



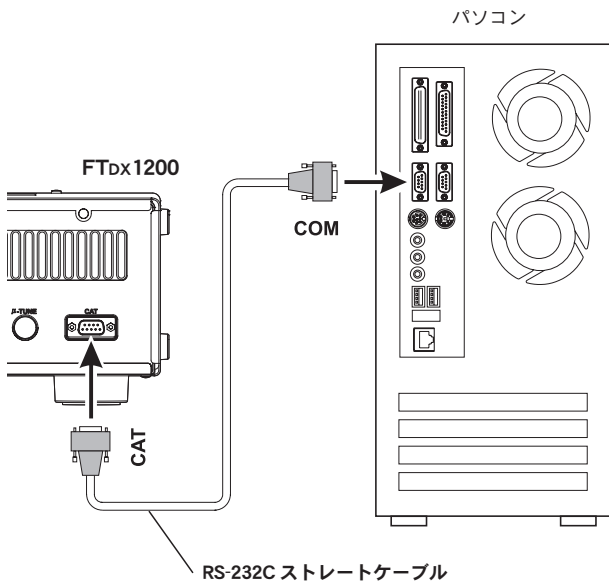
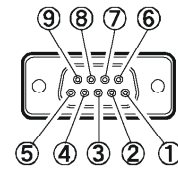
**FTDX1200 SERIES**

**CAT オペレーションマニュアル**

# 接続方法

## ◎ RS-232C で接続する場合

下図を参考にして、FTDx1200 の背面にある CAT 端子とパソコンの COM 端子を RS-232C ストレート・フル結線ケーブルで接続します。



CAT 端子

| Pin | 端子         | 方向 | 備考                                                |
|-----|------------|----|---------------------------------------------------|
| ①   | —          |    | 内部で④⑥と接続                                          |
| ②   | SERIAL OUT | 出力 | 無線機からのシリアルデータをパソコンに出力                             |
| ③   | SERIAL IN  | 入力 | パソコンからのシリアルデータを無線機に入力                             |
| ④   | —          |    | 内部で①⑥と接続                                          |
| ⑤   | GND        |    | グラウンド                                             |
| ⑥   | —          |    | 内部で①④と接続                                          |
| ⑦   | RTS        | 入力 | パソコンが受信データを受け入れない時は“L”レベルを出力して、無線機から送信データ出力を禁止します |
| ⑧   | CTS        | 出力 | 無線機が受信データを受け入れない時は“L”レベルを出力して、パソコンから送信データ出力を禁止します |
| ⑨   | NC         |    | 無配線                                               |

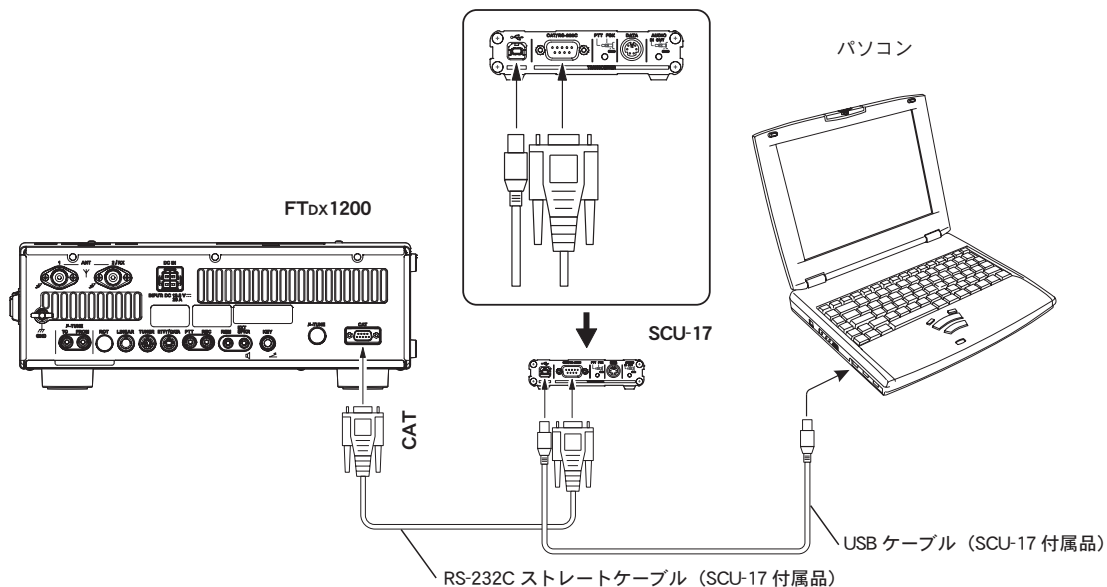
## ◎ SCU-17(オプション) を使って USB ケーブルで接続する場合

USB インターフェースユニット SCU-17 (オプション) の CAT/RS-232C 端子と FTDx1200 の背面にある CAT 端子を、SCU-17 の USB 端子とパソコンの USB 端子をそれぞれ付属のケーブルで接続 (下図参照) することで、USB による通信を行うことができます。



**SCU-17 を使用するには、使用するパソコンに、あらかじめ仮想 COM ポートドライバをインストールする必要があります。**

仮想 COM ポートドライバは、当社、当社ホームページ ([http://www.yaesu.com/jp/amateur\\_index/driver/GetStart.html](http://www.yaesu.com/jp/amateur_index/driver/GetStart.html)) の「SCU-17 USB インターフェースユニット 仮想 COM ポートドライバ」掲載ページよりダウンロードしてください。



# 通信フォーマット

## ◎ コマンドの送出方法

パソコンからコマンドを送り本機をコントロールすることができます。

- ターミナルソフトを利用する方法
- BASICなどの言語でプログラミングする方法

## ◎ 通信データの構成

通信フォーマットは 4800bps、調歩同期方式でスタートビット 1、データビット 8、ストップビット 2、パリティはありません。

### アドバイス

- 4800bps 以外の通信フォーマットをメニューモードの「039 CAT RATE」により変更することができます。工場出荷時は 4800bps に設定してありますがそれ以外に 9600bps/19200bps/38400bps に設定することができます。
- CAT コントロールのタイムアウトタイマーをメニューモードの「040 CAT TIME OUT TIMER」により変更することができます。工場出荷時は 10msec に設定してありますがそれ以外 100msec/1000msec/3000msec に設定することができます。

### ご注意

RS-232C ケーブルはストレートのフル結線ケーブルを使用してください。やむをえずフル結線ケーブルを使用できない場合は、メニューモードの「041 CAT RTS」を“DISABLE”に設定してください。

## ◎ コマンドの種類

コマンドには、設定・読み込み・応答の 3 種類のコマンドがあります。

### 1. 入力コマンド（設定コマンド）

パソコンにより本体の設定制御を行うコマンドです。

### 2. 入力コマンド（読み込みコマンド）

パソコンにより本体の応答コマンドを要求するコマンドです。

### 3. 出力コマンド（応答コマンド）

本体より出力する応答コマンドです。

## ◎ CAT システムの使用例

パソコンより制御する例として、VFO-A に周波数をセットする場合と、メモリーチャンネルにメモリーする場合を下記に示します。

### 例

VFO-A に“14,250.00MHz”の周波数を設定する場合

|      |          |        |
|------|----------|--------|
| FA   | 14250000 | ;      |
| ↑    | ↑        | ↑      |
| コマンド | パラメータ    | ターミネータ |

- コマンド 2 文字の英文字で構成し、大文字 / 小文字どちらでも認識します。
- パラメータ 0～9 の数値を入力します。各コマンドによって桁数が変わりますので正確に入力してください。
- ターミネータ セミコロン (;) を入力すると終了コマンドを意味します。

## ◎ エラーメッセージ

本機側でエラーが生じた場合は。

?: の応答をパソコンへ送ります。

- コマンドのフォーマットが異なる場合
- 受け取ったコマンドを実行できない状態などの場合

### ご注意

一般的にパソコンは、雑音を発生する可能性があります。本機とパーソナルコンピュータを接続すると、この雑音により受信が妨害されることがあります。このような場合には、ホットカプラーやノイズフィルター等を通して接続してください。また、アンテナに直接混入する場合には、本機とパーソナルコンピュータをできるだけ離してお使いください。

# CAT コントロールコマンド一覧表

| コマンド | 機能                        | 機能説明                  | 設定 | 読出 | 応答 | AI |
|------|---------------------------|-----------------------|----|----|----|----|
| AB   | VFO-A TO VFO-B            | [A ⇒ B] キー動作          | 0  | X  | X  | X  |
| AC   | ANTENNA TUNER CONTROL     | アンテナチューナー動作開始・停止      | 0  | 0  | 0  | 0  |
| AG   | AF GAIN                   | AF GAIN の設定と読み出し      | 0  | 0  | 0  | 0  |
| AI   | AUTO INFORMATION          | オートインフォメーションの設定と読み出し  | 0  | 0  | 0  | X  |
| AM   | VFO-A TO MEMORY CHANNEL   | [A ⇒ M] キー動作          | 0  | X  | X  | X  |
| AN   | ANTENNA NUMBER            | アンテナ切り替えの設定と読み出し      | 0  | 0  | 0  | 0  |
| BA   | VFO-B TO VFO-A            | [B ⇒ A] キー動作          | 0  | X  | X  | X  |
| BC   | AUTO NOTCH                | オートノッチの設定と読み出し        | 0  | 0  | 0  | 0  |
| BD   | BAND DOWN                 | バンドダウンスイッチの動作を行う      | 0  | X  | X  | X  |
| BI   | BREAK-IN                  | ブレイクインの設定と読み出し        | 0  | 0  | 0  | 0  |
| BP   | MANUAL NOTCH              | マニュアルノッチの設定と読み出し      | 0  | 0  | 0  | 0  |
| BS   | BAND SELECT               | [BAND] キー動作           | 0  | X  | X  | X  |
| BU   | BAND UP                   | バンドアップスイッチの動作を行う      | 0  | X  | X  | X  |
| BY   | BUSY                      | BUSY 状態の読み出し          | X  | 0  | 0  | 0  |
| CH   | CHANNEL UP/DOWN           | メモリーチャンネルのアップ・ダウン     | 0  | X  | X  | X  |
| CN   | CTCSS NUMBER              | CTCSS 周波数の設定と読み出し     | 0  | 0  | 0  | 0  |
| CO   | CONTOUR                   | CONTOUR の状態の設定と読み出し   | 0  | 0  | 0  | 0  |
| CS   | CW SPOT                   | SPOT の設定と読み出し         | 0  | 0  | 0  | 0  |
| CT   | CTCSS                     | CTCSS の状態の設定と読み出し     | 0  | 0  | 0  | 0  |
| DA   | DIMMER                    | ディマーの設定と読み出し          | 0  | 0  | 0  | X  |
| DN   | DOWN                      | マイクの DOWN キー動作を行う     | 0  | X  | X  | X  |
| DT   | DATE AND TIME             | 時刻の設定と読み出し            | 0  | 0  | 0  | X  |
| ED   | ENCORDER DOWN             | エンコーダ DOWN            | 0  | X  | X  | X  |
| EK   | ENT KEY                   | [ENT] キー動作            | 0  | X  | X  | X  |
| EM   | ENCODE MEMORY             | ENCODE データの設定と読み出し    | 0  | 0  | 0  | X  |
| EN   | ENCODE                    | ENCODE データの再生         | 0  | X  | X  | X  |
| EU   | ENCORDER UP               | エンコーダ UP              | 0  | X  | X  | X  |
| EX   | MENU                      | MENU の設定と読み出し         | 0  | 0  | 0  | 0  |
| FA   | FREQUENCY VFO-A           | VFO-A の周波数の設定と読み出し    | 0  | 0  | 0  | 0  |
| FB   | FREQUENCY VFO-B           | VFO-B の周波数の設定と読み出し    | 0  | 0  | 0  | 0  |
| FR   | FUNCTION RX               | 受信 VFO の設定と読み出し       | 0  | 0  | 0  | 0  |
| FS   | FAST ステップ                 | FAST ステップの設定と読み出し     | 0  | 0  | 0  | 0  |
| FT   | FUNCTION TX               | 送信 VFO の設定と読み出し       | 0  | 0  | 0  | 0  |
| GT   | AGC FUNCTION              | AGC の時定数の設定と読み出し      | 0  | 0  | 0  | 0  |
| ID   | IDENTIFICATION            | 無線機 ID の読み出し          | X  | 0  | 0  | X  |
| IF   | INFORMATION               | VFO-A の状態を読み出す        | X  | 0  | 0  | 0  |
| IS   | IF-SHIFT                  | IF-SHIFT の設定と読み出し     | 0  | 0  | 0  | 0  |
| KM   | KEYER MEMORY              | キーヤーメモリーの設定と読み出し      | 0  | 0  | 0  | X  |
| KP   | KEY PITCH                 | キーイングピッチの設定と読み出し      | 0  | 0  | 0  | 0  |
| KR   | KEYER                     | キーヤーの設定と読み出し          | 0  | 0  | 0  | 0  |
| KS   | KEY SPEED                 | キーイングスピードの設定と読み出し     | 0  | 0  | 0  | 0  |
| KY   | CW KEYING                 | メッセージキーヤーやキーヤーメモリーの再生 | 0  | X  | X  | X  |
| LK   | LOCK                      | LOCK 状態の設定と読み出し       | 0  | 0  | 0  | 0  |
| LM   | LOAD MESSEGE              | 音声録音の録音               | 0  | 0  | 0  | X  |
| MA   | MEMORY CHANNEL TO VFO-A   | [M ⇒ A] キー動作          | 0  | X  | X  | X  |
| MC   | MEMORY CHANNEL            | メモリーチャンネルの設定と読み出し     | 0  | 0  | 0  | X  |
| MD   | MODE                      | モードの設定と読み出し           | 0  | 0  | 0  | 0  |
| MG   | MIC GAIN                  | マイクゲインの設定と読み出し        | 0  | 0  | 0  | 0  |
| ML   | MONITOR LEVEL             | モニターレベルの設定と読み出し       | 0  | 0  | 0  | 0  |
| MR   | MEMORY READ               | メモリーチャンネルの読み出し        | X  | 0  | 0  | X  |
| MS   | METER SW                  | METER SW の設定と読み出し     | 0  | 0  | 0  | 0  |
| MW   | MEMORY WRITE              | メモリーチャンネルの書き込み        | 0  | X  | X  | X  |
| MX   | MOX SET                   | MOX の設定と読み出し          | 0  | 0  | 0  | 0  |
| NA   | NARROW                    | ナローの設定と読み出し           | 0  | 0  | 0  | 0  |
| NB   | NOISE BLANKER             | ノイズブランカーの設定と読み出し      | 0  | 0  | 0  | 0  |
| NL   | NOISE BLANKER LEVEL       | ノイズブランカーレベルの設定と読み出し   | 0  | 0  | 0  | 0  |
| NR   | NOISE REDUCTION           | ノイズリダクションの設定と読み出し     | 0  | 0  | 0  | 0  |
| OI   | OPPOSITE BAND INFORMATION | VFO-B の状態を読み出す        | X  | 0  | 0  | 0  |
| OS   | OFFSET (Repeater Shift)   | レピーターシフトの設定と読み出し      | 0  | 0  | 0  | 0  |
| PA   | PRE-AMP (IPO)             | IPO の設定と読み出し          | 0  | 0  | 0  | 0  |
| PB   | PLAY BACK                 | 音声録音の再生               | 0  | 0  | 0  | X  |

# CAT コントロールコマンド一覧表

| コマンド | 機能                       | 機能説明                      | 設定 | 読出 | 応答 | AI |
|------|--------------------------|---------------------------|----|----|----|----|
| PC   | POWER CONTROL            | 送信出力の設定と読み出し              | ○  | ○  | ○  | ○  |
| PL   | SPEECH PROCESSOR LEVEL   | コンプレッションレベルの設定と読み出し       | ○  | ○  | ○  | ○  |
| PR   | SPEECH PROCESSOR         | スピーチプロセッサの ON/OFF 設定と読み出し | ○  | ○  | ○  | ○  |
| PS   | POWER SWITH              | 電源 ON/OFF 設定と読み出し         | ○  | ○  | ○  | X  |
| QI   | QMB STORE                | STO 動作                    | ○  | X  | X  | X  |
| QR   | QMB RECALL               | RCL 動作                    | ○  | X  | X  | X  |
| QS   | QUICK SPLIT              | クイック SPLIT の設定            | ○  | X  | X  | X  |
| RA   | RF ATTENUATOR            | アッテネータの設定と読み出し            | ○  | ○  | ○  | ○  |
| RC   | CLAR CLEAR               | クラリファイアのクリア               | ○  | X  | X  | X  |
| RD   | CLAR DOWN                | クラリファイア DOWN              | ○  | X  | X  | X  |
| RF   | ROOFING FILTER           | R.FIL の設定と読み出し            | ○  | ○  | ○  | ○  |
| RG   | RF GAIN                  | RF ゲインの設定と読み出し            | ○  | ○  | ○  | ○  |
| RI   | RADIO INFORMATION        | 無線機の情報読み出し                | X  | ○  | ○  | ○  |
| RL   | NOISE REDUCTION LEVEL    | ノイズリダクションレベルの設定と読み出し      | ○  | ○  | ○  | ○  |
| RM   | READ METER               | METER の読み出し               | X  | ○  | ○  | ○  |
| RO   | ROTATOR                  | ローテーターの動作と読み出し            | ○  | ○  | ○  | X  |
| RS   | RADIO STATUS             | 無線機の状態読み出し                | X  | ○  | ○  | ○  |
| RT   | CLAR                     | クラリファイアの ON/OFF 設定と読み出し   | ○  | ○  | ○  | ○  |
| RU   | CLAR UP                  | クラリファイア UP                | ○  | X  | X  | X  |
| SC   | SCAN                     | スキャンの設定と読み出し              | ○  | ○  | ○  | ○  |
| SD   | SEMI BREAK-IN DELAY TIME | セミブレイクインのディレータイムの設定と読み出し  | ○  | ○  | ○  | ○  |
| SF   | SUB-DIAL FUNCTION        | サブダイヤル機能の設定               | ○  | ○  | ○  | ○  |
| SH   | WIDTH                    | WIDTH の設定と読み出し            | ○  | ○  | ○  | ○  |
| SM   | S METER                  | S メーター値の読み出し              | X  | ○  | ○  | ○  |
| SQ   | SQUELCH LEVEL            | スケルチレベルの設定と読み出し           | ○  | ○  | ○  | ○  |
| SV   | SWAP VFO                 | [A ⇄ B] 動作                | ○  | X  | X  | X  |
| TS   | TXW                      | [TXW] 動作                  | ○  | ○  | ○  | ○  |
| TX   | TX SET                   | 送信状態の設定と読み出し              | ○  | ○  | ○  | ○  |
| UL   | UNLOCK                   | PLL のロック状態の読み出し           | X  | ○  | ○  | ○  |
| UP   | UP                       | マイクの UP キー動作を行う           | ○  | X  | X  | X  |
| VD   | VOX DELAY TIME           | VOX ディレータイムの設定と読み出し       | ○  | ○  | ○  | ○  |
| VF   | μ TUNE FILTER            | μ TUNE ENCODER 動作         | ○  | ○  | ○  | ○  |
| VG   | VOX GAIN                 | VOX GAIN の設定と読み出し         | ○  | ○  | ○  | ○  |
| VM   | [V/M] KEY FUNCTION       | [V/M] 動作                  | ○  | X  | X  | X  |
| VS   | VFO SELECT               | VFO-A/VFO-B の選択と読み出し      | ○  | ○  | ○  | ○  |
| VX   | VOX                      | VOX の設定と読み出し              | ○  | ○  | ○  | ○  |
| XT   | TX CLAR                  | 送信クラリファイアの設定と読み出し         | ○  | ○  | ○  | ○  |
| ZI   | ZERO IN                  | CW AUTO ZERO IN 動作        | ○  | X  | X  | X  |

# CAT コントロールコマンドテーブル

## CAT コマンドの見かた

Set: パソコン → FTdx1200 の設定コマンド  
 Read: パソコン → FTdx1200 の状態読み出し要求コマンド  
 Answer: FTdx1200 → パソコンの状態出力

コマンドの名称が記載されています。

| AC     | ANTENNA TUNER CONTROL |   |    |    |    |   |   |   |   |    |
|--------|-----------------------|---|----|----|----|---|---|---|---|----|
| Set    | 1                     | 2 | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |
|        | A                     | C | P1 | P2 | P3 | ; |   |   |   |    |
| Read   | 1                     | 2 | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |
|        | A                     | C | ;  |    |    |   |   |   |   |    |
| Answer | 1                     | 2 | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |
|        | A                     | C | P1 | P2 | P3 | ; |   |   |   |    |

P1 0: (固定値) P3 0: Tuner "OFF"  
 P2 0: (固定値) 1: Tuner "ON"  
 2: Tuning Start

コマンドが空欄の場合は、コマンド設定がないことを示します。  
 パラメータがない場合は、パラメータが必要ないことを示します。

パラメータの説明が記載されています。

| AB     | VFO-A TO VFO-B |   |   |   |   |   |   |   |   |    |
|--------|----------------|---|---|---|---|---|---|---|---|----|
| Set    | 1              | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|        | A              | B | ; |   |   |   |   |   |   |    |
| Read   | 1              | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|        |                |   |   |   |   |   |   |   |   |    |
| Answer | 1              | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|        |                |   |   |   |   |   |   |   |   |    |

| AC     | ANTENNA TUNER CONTROL |   |    |    |    |   |   |   |   |    |
|--------|-----------------------|---|----|----|----|---|---|---|---|----|
| Set    | 1                     | 2 | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |
|        | A                     | C | P1 | P2 | P3 | ; |   |   |   |    |
| Read   | 1                     | 2 | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |
|        | A                     | C | ;  |    |    |   |   |   |   |    |
| Answer | 1                     | 2 | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |
|        | A                     | C | P1 | P2 | P3 | ; |   |   |   |    |

P1 0: (固定値) P3 0: Tuner "OFF"  
 P2 0: (固定値) 1: Tuner "ON"  
 2: Tuning Start

| AG     | AF GAIN |   |    |    |    |    |   |   |   |    |
|--------|---------|---|----|----|----|----|---|---|---|----|
| Set    | 1       | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |
|        | A       | G | P1 | P2 | P2 | P2 | ; |   |   |    |
| Read   | 1       | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |
|        | A       | G | P1 | ;  |    |    |   |   |   |    |
| Answer | 1       | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |
|        | A       | G | P1 | P2 | P2 | P2 | ; |   |   |    |

P1 0: (固定値)  
 P2 000 ~ 255

| AI     | AUTO INFORMATION |   |    |   |   |   |   |   |   |    |
|--------|------------------|---|----|---|---|---|---|---|---|----|
| Set    | 1                | 2 | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|        | A                | I | P1 | ; |   |   |   |   |   |    |
| Read   | 1                | 2 | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|        | A                | I | ;  |   |   |   |   |   |   |    |
| Answer | 1                | 2 | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|        | A                | I | P1 | ; |   |   |   |   |   |    |

P1 0: Auto Information "OFF"  
 1: Auto Information "ON"  
 ・無線機の状態が変化したとき AI に該当するコマンドを PC に送出します。  
 ・電源を切ると、AI は OFF になります。

| AM     | VFO-A TO MEMORY CHANNEL |   |   |   |   |   |   |   |   |    |
|--------|-------------------------|---|---|---|---|---|---|---|---|----|
| Set    | 1                       | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|        | A                       | M | ; |   |   |   |   |   |   |    |
| Read   | 1                       | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|        |                         |   |   |   |   |   |   |   |   |    |
| Answer | 1                       | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|        |                         |   |   |   |   |   |   |   |   |    |

| AN     | ANTENNA NUMBER |   |    |    |    |   |   |   |   |    |
|--------|----------------|---|----|----|----|---|---|---|---|----|
| Set    | 1              | 2 | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |
|        | A              | N | P1 | P2 | ;  |   |   |   |   |    |
| Read   | 1              | 2 | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |
|        | A              | N | P1 | ;  |    |   |   |   |   |    |
| Answer | 1              | 2 | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |
|        | A              | N | P1 | P3 | P4 | ; |   |   |   |    |

P1 0: (固定値) P4 0: (固定値)  
 P2 1: ANT "1"  
 2: ANT "2"  
 P3 1: ANT "1"  
 2: ANT "2"

| BA     | VFO-B TO VFO-A |   |   |   |   |   |   |   |   |    |
|--------|----------------|---|---|---|---|---|---|---|---|----|
| Set    | 1              | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|        | B              | A | ; |   |   |   |   |   |   |    |
| Read   | 1              | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|        |                |   |   |   |   |   |   |   |   |    |
| Answer | 1              | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|        |                |   |   |   |   |   |   |   |   |    |

# CAT コントロールコマンドテーブル

| BC     | AUTO NOTCH |   |    |    |   |   |   |   |   |    |                                                             |
|--------|------------|---|----|----|---|---|---|---|---|----|-------------------------------------------------------------|
| Set    | 1          | 2 | 3  | 4  | 5 | 6 | 7 | 8 | 9 | 10 | P1 0: (固定値)<br>P2 0: Auto Notch "OFF"<br>1: Auto Notch "ON" |
|        | B          | C | P1 | P2 | : |   |   |   |   |    |                                                             |
| Read   | 1          | 2 | 3  | 4  | 5 | 6 | 7 | 8 | 9 | 10 |                                                             |
|        | B          | C | P1 | :  |   |   |   |   |   |    |                                                             |
| Answer | 1          | 2 | 3  | 4  | 5 | 6 | 7 | 8 | 9 | 10 |                                                             |
|        | B          | C | P1 | P2 | : |   |   |   |   |    |                                                             |

| BD     | BAND DOWN |   |    |   |   |   |   |   |   |    |             |
|--------|-----------|---|----|---|---|---|---|---|---|----|-------------|
| Set    | 1         | 2 | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 | P1 0: (固定値) |
|        | B         | D | P1 | ; |   |   |   |   |   |    |             |
| Read   | 1         | 2 | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 |             |
|        |           |   |    |   |   |   |   |   |   |    |             |
| Answer | 1         | 2 | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 |             |
|        |           |   |    |   |   |   |   |   |   |    |             |

| BI     | BREAK-IN |   |    |   |   |   |   |   |   |    |                                          |
|--------|----------|---|----|---|---|---|---|---|---|----|------------------------------------------|
| Set    | 1        | 2 | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 | P1 0: Break-in "OFF"<br>1: Break-in "ON" |
|        | B        | I | P1 | ; |   |   |   |   |   |    |                                          |
| Read   | 1        | 2 | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                                          |
|        | B        | I | ;  |   |   |   |   |   |   |    |                                          |
| Answer | 1        | 2 | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                                          |
|        | B        | I | P1 | : |   |   |   |   |   |    |                                          |

| BP     | MANUAL NOTCH |   |    |    |    |    |    |   |   |    |                                                                                                                                                          |
|--------|--------------|---|----|----|----|----|----|---|---|----|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Set    | 1            | 2 | 3  | 4  | 5  | 6  | 7  | 8 | 9 | 10 | P1 0: (固定値)<br>P2 0: Manual NOTCH "ON/OFF"<br>1: Manual NOTCH LEVEL<br>P3 P2=0 の時<br>000: OFF<br>001: ON<br>P2=1 の時<br>001 - 400 (NOTCH 周波数設定 : x 10 Hz) |
|        | B            | P | P1 | P2 | P3 | P3 | P3 | : |   |    |                                                                                                                                                          |
| Read   | 1            | 2 | 3  | 4  | 5  | 6  | 7  | 8 | 9 | 10 |                                                                                                                                                          |
|        | B            | P | P1 | P2 | :  |    |    |   |   |    |                                                                                                                                                          |
| Answer | 1            | 2 | 3  | 4  | 5  | 6  | 7  | 8 | 9 | 10 |                                                                                                                                                          |
|        | B            | P | P1 | P2 | P3 | P3 | P3 | : |   |    |                                                                                                                                                          |

| BS     | BAND SELECT |   |    |    |   |   |   |   |   |    |                                                                                                                                                     |
|--------|-------------|---|----|----|---|---|---|---|---|----|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Set    | 1           | 2 | 3  | 4  | 5 | 6 | 7 | 8 | 9 | 10 | P1 00: 1.8 MHz 06: 18 MHz<br>01: 3.5 MHz 07: 21 MHz<br>02: ---- 08: 24.5 MHz<br>03: 7 MHz 09: 28 MHz<br>04: 10 MHz 10: 50 MHz<br>05: 14 MHz 11: GEN |
|        | B           | S | P1 | P1 | ; |   |   |   |   |    |                                                                                                                                                     |
| Read   | 1           | 2 | 3  | 4  | 5 | 6 | 7 | 8 | 9 | 10 |                                                                                                                                                     |
|        |             |   |    |    |   |   |   |   |   |    |                                                                                                                                                     |
| Answer | 1           | 2 | 3  | 4  | 5 | 6 | 7 | 8 | 9 | 10 |                                                                                                                                                     |
|        |             |   |    |    |   |   |   |   |   |    |                                                                                                                                                     |

| BU     | BAND UP |   |    |   |   |   |   |   |   |    |             |
|--------|---------|---|----|---|---|---|---|---|---|----|-------------|
| Set    | 1       | 2 | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 | P1 0: (固定値) |
|        | B       | U | P1 | ; |   |   |   |   |   |    |             |
| Read   | 1       | 2 | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 |             |
|        |         |   |    |   |   |   |   |   |   |    |             |
| Answer | 1       | 2 | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 |             |
|        |         |   |    |   |   |   |   |   |   |    |             |

| BY     | BUSY |   |    |    |   |   |   |   |   |    |                                                       |
|--------|------|---|----|----|---|---|---|---|---|----|-------------------------------------------------------|
| Set    | 1    | 2 | 3  | 4  | 5 | 6 | 7 | 8 | 9 | 10 | P1 0: RX BUSY "OFF"<br>1: RX BUSY "ON"<br>P2 0: (固定値) |
|        |      |   |    |    |   |   |   |   |   |    |                                                       |
| Read   | 1    | 2 | 3  | 4  | 5 | 6 | 7 | 8 | 9 | 10 |                                                       |
|        | B    | Y | :  |    |   |   |   |   |   |    |                                                       |
| Answer | 1    | 2 | 3  | 4  | 5 | 6 | 7 | 8 | 9 | 10 |                                                       |
|        | B    | Y | P1 | P2 | : |   |   |   |   |    |                                                       |

| CH     | CHANNEL UP/DOWN |   |    |   |   |   |   |   |   |    |                                           |
|--------|-----------------|---|----|---|---|---|---|---|---|----|-------------------------------------------|
| Set    | 1               | 2 | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 | P1 0:メモリーチャンネル "UP"<br>1:メモリーチャンネル "DOWN" |
|        | C               | H | P1 | ; |   |   |   |   |   |    |                                           |
| Read   | 1               | 2 | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                                           |
|        |                 |   |    |   |   |   |   |   |   |    |                                           |
| Answer | 1               | 2 | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                                           |
|        |                 |   |    |   |   |   |   |   |   |    |                                           |

| CN     | CTCSS TONE FREQUENCY |   |    |    |    |   |   |   |   |    |                                                  |
|--------|----------------------|---|----|----|----|---|---|---|---|----|--------------------------------------------------|
| Set    | 1                    | 2 | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 | P1 0: (固定値)<br>P2 0 ~ 49: トーン周波数番号（7 ページの表 1 参照） |
|        | C                    | N | P1 | P2 | P2 | : |   |   |   |    |                                                  |
| Read   | 1                    | 2 | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |                                                  |
|        | C                    | N | P1 | :  |    |   |   |   |   |    |                                                  |
| Answer | 1                    | 2 | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |                                                  |
|        | C                    | N | P1 | P2 | P2 | : |   |   |   |    |                                                  |

# CAT コントロールコマンドテーブル

| CO     | CONTOUR |   |    |    |    |    |   |   |   |    |
|--------|---------|---|----|----|----|----|---|---|---|----|
| Set    | 1       | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |
|        | C       | O | P1 | P2 | P3 | P3 | ; |   |   |    |
| Read   | 1       | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |
|        | C       | O | P1 | P2 | ;  |    |   |   |   |    |
| Answer | 1       | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |
|        | C       | O | P1 | P2 | P3 | P3 | ; |   |   |    |

P1 0: (固定値)  
 P2 0: CONTOUR/APF "ON/OFF"  
 1: CONTOUR FREQ  
 2: APF FREQ  
 P3 P2=0 の時 00: CONTOUR/APF "OFF"  
 01: CONTOUR "ON"  
 02: APF "ON"  
 P2=1 の時  
 01 - 40 (CONTOUR 周波数 :100 ~ 4000Hz)  
 P2=2 の時  
 00 - 50 (APF 周波数 :-250 ~ 250Hz)

| CS     | CW SPOT |   |    |   |   |   |   |   |   |    |
|--------|---------|---|----|---|---|---|---|---|---|----|
| Set    | 1       | 2 | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|        | C       | S | P1 | ; |   |   |   |   |   |    |
| Read   | 1       | 2 | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|        | C       | S | ;  |   |   |   |   |   |   |    |
| Answer | 1       | 2 | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|        | C       | S | P1 | ; |   |   |   |   |   |    |

P1 0: OFF  
 1: ON

| CT     | CTCSS |   |    |    |   |   |   |   |   |    |
|--------|-------|---|----|----|---|---|---|---|---|----|
| Set    | 1     | 2 | 3  | 4  | 5 | 6 | 7 | 8 | 9 | 10 |
|        | C     | T | P1 | P2 | ; |   |   |   |   |    |
| Read   | 1     | 2 | 3  | 4  | 5 | 6 | 7 | 8 | 9 | 10 |
|        | C     | T | P1 | ;  |   |   |   |   |   |    |
| Answer | 1     | 2 | 3  | 4  | 5 | 6 | 7 | 8 | 9 | 10 |
|        | C     | T | P1 | P2 | ; |   |   |   |   |    |

P1 0: (固定値)  
 P2 0: CTCSS "OFF"  
 1: CTCSS ENC/DEC "ON"  
 2: CTCSS ENC "ON"

表 1

| CTCSS トーン周波数一覧 |         |    |          |    |          |    |          |    |          |    |          |
|----------------|---------|----|----------|----|----------|----|----------|----|----------|----|----------|
| 00             | 67.0 Hz | 09 | 91.5 Hz  | 18 | 123.0 Hz | 27 | 162.2 Hz | 36 | 189.9 Hz | 45 | 229.1 Hz |
| 01             | 69.3 Hz | 10 | 94.8 Hz  | 19 | 127.3 Hz | 28 | 165.5 Hz | 37 | 192.8 Hz | 46 | 233.6 Hz |
| 02             | 71.9 Hz | 11 | 97.4 Hz  | 20 | 131.8 Hz | 29 | 167.9 Hz | 38 | 196.6 Hz | 47 | 241.8 Hz |
| 03             | 74.4 Hz | 12 | 100.0 Hz | 21 | 136.5 Hz | 30 | 171.3 Hz | 39 | 199.5 Hz | 48 | 250.3 Hz |
| 04             | 77.0 Hz | 13 | 103.5 Hz | 22 | 141.3 Hz | 31 | 173.8 Hz | 40 | 203.5 Hz | 49 | 254.1 Hz |
| 05             | 79.7 Hz | 14 | 107.2 Hz | 23 | 146.2 Hz | 32 | 177.3 Hz | 41 | 206.5 Hz | —  | —        |
| 06             | 82.5 Hz | 15 | 110.9 Hz | 24 | 151.4 Hz | 33 | 179.9 Hz | 42 | 210.7 Hz | —  | —        |
| 07             | 85.4 Hz | 16 | 114.8 Hz | 25 | 156.7 Hz | 34 | 183.5 Hz | 43 | 218.1 Hz | —  | —        |
| 08             | 88.5 Hz | 17 | 118.8 Hz | 26 | 159.8 Hz | 35 | 186.2 Hz | 44 | 225.7 Hz | —  | —        |

| DA     | DIMMER |   |    |    |    |    |    |    |   |    |
|--------|--------|---|----|----|----|----|----|----|---|----|
| Set    | 1      | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9 | 10 |
|        | D      | A | P1 | P1 | P2 | P2 | P3 | P3 | ; |    |
| Read   | 1      | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9 | 10 |
|        | D      | A | ;  |    |    |    |    |    |   |    |
| Answer | 1      | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9 | 10 |
|        | D      | A | P1 | P1 | P2 | P2 | P3 | P3 | ; |    |

P1 00: (固定値)  
 P2 01 ~ 02: LED インジケータの明るさ調整  
 P3 00 ~ 15: TFT ディスプレイの明るさ調整

| DN     | MIC DOWN |   |   |   |   |   |   |   |   |    |
|--------|----------|---|---|---|---|---|---|---|---|----|
| Set    | 1        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|        | D        | N | ; |   |   |   |   |   |   |    |
| Read   | 1        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|        |          |   |   |   |   |   |   |   |   |    |
| Answer | 1        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|        |          |   |   |   |   |   |   |   |   |    |

マイクロホンのダウンスイッチの動作

| DT     | DATE AND TIME |   |    |    |    |    |    |    |    |    |
|--------|---------------|---|----|----|----|----|----|----|----|----|
| Set    | 1             | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |
|        | D             | T | P1 | P2 | P2 | P2 | P2 | P2 | P2 | ;  |
| Read   | 1             | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |
|        | D             | T | ;  |    |    |    |    |    |    |    |
| Answer | 1             | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |
|        | D             | T | P1 | P2 | P2 | P2 | P2 | P2 | P2 | ;  |

P1 1: (固定値)  
 P2 時刻 hhmmss (24時間制)

| ED     | ENCORDER DOWN |   |    |    |    |   |   |   |   |    |
|--------|---------------|---|----|----|----|---|---|---|---|----|
| Set    | 1             | 2 | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |
|        | E             | D | P1 | P2 | P2 | ; |   |   |   |    |
| Read   | 1             | 2 | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |
|        |               |   |    |    |    |   |   |   |   |    |
| Answer | 1             | 2 | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |
|        |               |   |    |    |    |   |   |   |   |    |

P1 0: MAIN ENCORDER  
 1: SUB ENCORDER  
 4: MIC/SPEED ENCORDER  
 5: PROC/CAR ENCORDER  
 6: NOTCH ENCORDER  
 7: CONT ENCORDER  
 P2 01 ~ 99: ステップ

| EK     | ENT KEY |   |   |   |   |   |   |   |   |    |
|--------|---------|---|---|---|---|---|---|---|---|----|
| Set    | 1       | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|        | E       | K | ; |   |   |   |   |   |   |    |
| Read   | 1       | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|        |         |   |   |   |   |   |   |   |   |    |
| Answer | 1       | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|        |         |   |   |   |   |   |   |   |   |    |

# CAT コントロールコマンドテーブル

| EM     | ENCODE MEMORY |   |    |    |    |    |    |   |    |    |
|--------|---------------|---|----|----|----|----|----|---|----|----|
| Set    | 1             | 2 | 3  | 4  | 5  | 6  | 7  | ~ | 54 | 55 |
|        | E             | M | P1 | P2 | P3 | P3 | P3 | ~ | P3 | ;  |
| Read   | 1             | 2 | 3  | 4  | 5  | 6  | 7  | 8 | 9  | 10 |
|        | E             | M | P1 | P2 | ;  |    |    |   |    |    |
| Answer | 1             | 2 | 3  | 4  | 5  | 6  | 7  | ~ | 54 | 55 |
|        | E             | M | P1 | P2 | P3 | P3 | P3 | ~ | P3 | ;  |

P1 0: RTTY  
 1: PSK  
 P2: 1~5: メモリーチャンネル番号  
 P3: メモリーするテキスト (最大 50 文字)  
 ※: オプションの FFT ユニット FFT-1 が必要です。

| EN     | ENCODE |   |    |    |   |   |   |   |    |    |
|--------|--------|---|----|----|---|---|---|---|----|----|
| Set    | 1      | 2 | 3  | 4  | 5 | 6 | 7 | ~ | 54 | 55 |
|        | E      | N | P1 | P2 | ; |   |   |   |    |    |
| Read   | 1      | 2 | 3  | 4  | 5 | 6 | 7 | 8 | 9  | 10 |
|        |        |   |    |    |   |   |   |   |    |    |
| Answer | 1      | 2 | 3  | 4  | 5 | 6 | 7 | ~ | 54 | 55 |
|        |        |   |    |    |   |   |   |   |    |    |

P1 0: RTTY  
 1: PSK  
 P2: 1~5: 再生するメモリーチャンネル番号  
 ※: オプションの FFT ユニット FFT-1 が必要です。

| EU     | ENCORDER UP |   |    |    |    |   |   |   |   |    |
|--------|-------------|---|----|----|----|---|---|---|---|----|
| Set    | 1           | 2 | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |
|        | E           | U | P1 | P2 | P2 | ; |   |   |   |    |
| Read   | 1           | 2 | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |
|        |             |   |    |    |    |   |   |   |   |    |
| Answer | 1           | 2 | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |
|        |             |   |    |    |    |   |   |   |   |    |

P1 0: MAIN ENCORDER  
 1: SUB ENCORDER  
 4: MIC ENCORDER  
 5: PROC ENCORDER  
 6: NOTCH ENCORDER  
 7: CONT ENCORDER  
 P2 01~99: ステップ

| EX     | MENU |   |    |    |    |    |    |   |     |    |
|--------|------|---|----|----|----|----|----|---|-----|----|
| Set    | 1    | 2 | 3  | 4  | 5  | 6  | 7  | 8 | n-1 | nn |
|        | E    | X | P1 | P1 | P1 | P2 | P2 | ~ | P2  | ;  |
| Read   | 1    | 2 | 3  | 4  | 5  | 6  | 7  | 8 | 9   | 10 |
|        | E    | X | P1 | P1 | P1 | ;  |    |   |     |    |
| Answer | 1    | 2 | 3  | 4  | 5  | 6  | 7  | 8 | n-1 | nn |
|        | E    | X | P1 | P1 | P1 | P2 | P2 | ~ | P2  | ;  |

P1 : 001 ~ 196 (メニュー番号)  
 P2 : 設定値  
 メニューの一覧表は表 2 ~ 表 4 を参照してください。

**表 2**

| P1  | FUNCTION                   | P2                                                                       | 桁数    |
|-----|----------------------------|--------------------------------------------------------------------------|-------|
| 001 | AGC FAST-DELAY             | 20 ~ 4000 msec (P2= 0020 ~ 4000, 20 msec/ ステップ)                          | 4     |
| 002 | AGC MID DELAY              | 20 ~ 4000 msec (P2= 0020 ~ 4000, 20 msec/ ステップ)                          | 4     |
| 003 | AGC SLOW DELAY             | 20 ~ 4000 msec (P2= 0020 ~ 4000, 20 msec/ ステップ)                          | 4     |
| 004 | AGC AGC SLOPE              | 0: NORMAL 1: SLOPE                                                       | 1     |
| 005 | DISPLAY MY CALL            | 最大 12 文字 (英数字)                                                           | 最大 12 |
| 006 | DISPLAY MY CALL TIME       | 0 ~ 5 sec                                                                | 1     |
| 007 | DISPLAY VFO COLOR          | 0: BLUE 1: SKY BLUE 2: GREEN 3: PURPLE 4: RED 5: ORANGE 6: GRAY 7: BLACK | 1     |
| 008 | DISPLAY TFT LAYOUT         | 0: TYPE 1 1: TYPE 2                                                      | 1     |
| 009 | DISPLAY DIMMER LED         | 0: 1 1: 2                                                                | 1     |
| 010 | DISPLAY DIMMER TFT         | 00 ~ 15                                                                  | 2     |
| 011 | DISPLAY BAR DISPLAY SELECT | 0: CLAR 1: CW TUNE 2: uTUNE                                              | 1     |
| 012 | DISPLAY METER TYPE SELECT  | 0: ANALOG 1: BAR GRAPH                                                   | 1     |
| 013 | DISPLAY BAR MTR PEAK HOLD  | 0: OFF 1: 0.5 sec 2: 1.0 sec 3: 2.0 sec                                  | 1     |
| 014 | DISPLAY ROTATOR START UP   | 0: 0° 1: 90° 2: 180° 3: 270°                                             | 1     |
| 015 | DISPLAY ROTATOR OFFSET ADJ | -30° ~ 00° (P2 = 30 ~ 00, 2° ステップ)                                       | 2     |
| 016 | DVS RX OUT LEVEL           | 0 ~ 100 (P2 = 000 ~ 100)                                                 | 3     |
| 017 | DVS TX OUT LEVEL           | 0 ~ 100 (P2 = 000 ~ 100)                                                 | 3     |
| 018 | KEYER F KEYER TYPE         | 0: OFF 1: BUG 2: ELEKEY 3: ACS                                           | 1     |
| 019 | KEYER F CW KEYER           | 0: NORNAL 1: REVERSE                                                     | 1     |
| 020 | KEYER R KEYER TYPE         | 0: OFF 1: BUG 2: ELEKEY 3: ACS                                           | 1     |
| 021 | KEYER F CW KEYER           | 0: NORNAL 1: REVERSE                                                     | 1     |
| 022 | KEYER ELEKEY TYPE          | 0: ELEKEY-A 1: ELEKEY-B                                                  | 1     |
| 023 | KEYER CW WEIGHT            | 25 (1:2.5) ~ 45 (1:4.5)                                                  | 2     |
| 024 | KEYER BEACON TIME          | OFF / 1 ~ 690 sec (P2 = 000 ~ 255, 000: OFF)                             | 3     |
| 025 | KEYER NUMBER STYLE         | 0: 1290 1: AUNO 2: AUNT 3: A2NO 4: A2NT 5: 12NO 6: 12NT                  | 1     |
| 026 | KEYER CONTEST NUMBER       | 0000 ~ 9999                                                              | 4     |
| 027 | KEYER CW MEMORY 1          | 0: TEXT 1: MESSAGE                                                       | 1     |
| 028 | KEYER CW MEMORY 2          | 0: TEXT 1: MESSAGE                                                       | 1     |
| 029 | KEYER CW MEMORY 3          | 0: TEXT 1: MESSAGE                                                       | 1     |
| 030 | KEYER CW MEMORY 4          | 0: TEXT 1: MESSAGE                                                       | 1     |
| 031 | KEYER CW MEMORY 5          | 0: TEXT 1: MESSAGE                                                       | 1     |
| 032 | GENERAL ANT SELECT         | 0: BAND 1: STACK                                                         | 1     |
| 033 | GENERAL ANT2 SETTING       | 0: TRX 1: R2/1                                                           | 1     |
| 034 | GENERAL NB LEVEL           | 0 ~ 100 (P2 = 000 ~ 100)                                                 | 3     |
| 035 | GENERAL BEEP LEVEL         | 0 ~ 100 (P2 = 000 ~ 100)                                                 | 3     |
| 036 | GENERAL MONITOR LEVEL      | 0 ~ 100 (P2 = 000 ~ 100)                                                 | 3     |
| 037 | GENERAL MOX                | 0: DISABLE 1: ENABLE                                                     | 1     |
| 038 | GENERAL RF/SQL VR          | 0: RF 1: SQL                                                             | 1     |
| 039 | GENERAL CAT RATE           | 0: 4800 bps 1: 9600 bps 2: 19200 bps 3: 38400 bps                        | 1     |
| 040 | GENERAL CAT TIME OUT TIMER | 0: 10 msec 1: 100 msec 2: 1000 msec 3: 3000 msec                         | 1     |
| 041 | GENERAL CAT RTS            | 0: DISABLE 1: ENABLE                                                     | 1     |
| 042 | GENERAL MEM GROUP          | 0: DISABLE 1: ENABLE                                                     | 1     |
| 043 | GENERAL QUICK SPLIT FREQ   | -20 kHz ~ +00 (or -00) ~ +20 kHz (P2= -20 ~ +00 or -00 ~ +20)            | 3     |
| 044 | GENERAL TXW DIAL SELECT    | 0: VFO-A 1: VFO-B                                                        | 1     |
| 045 | GENERAL TX TIME OUT TIMER  | 0 (OFF) ~ 30 min (P2= 00 ~ 30)                                           | 2     |
| 046 | GENERAL uTUNE DIAL STEP    | 0: DIAL STEP-2 1: DIAL STEP-1                                            | 1     |
| 047 | GENERAL MIC SCAN           | 0: DISABLE 1: ENABLE                                                     | 1     |
| 048 | GENERAL MIC SCAN RESUME    | 0 PAUSE 1: TIME                                                          | 1     |
| 049 | GENERAL FREQ ADJ           | -25 ~ +00 (or -00) ~ +25 (P2= -25 ~ +00 or -00 ~ +25)                    | 3     |

# CAT コントロールコマンドテーブル

表 3

| P1  | FUNCTION                    | P2                                                                                  | 桁数 |
|-----|-----------------------------|-------------------------------------------------------------------------------------|----|
| 050 | MODE-AM AM LCUT FREQ        | 00: OFF 01: 100 Hz ~ 19: 1000 Hz (50 Hz ステップ)                                       | 2  |
| 051 | MODE-AM AM LCUT SLOPE       | 0: 6 dB/oct 1: 18 dB/oct                                                            | 1  |
| 052 | MODE-AM AM HCUT FREQ        | 00: OFF 01: 700 Hz ~ 67: 4000 Hz (50 Hz ステップ)                                       | 2  |
| 053 | MODE-AM AM HCUT SLOPE       | 0: 6 dB/oct 1: 18 dB/oct                                                            | 1  |
| 054 | MODE-AM AM MIC GAIN         | MCVR/FIX(0 ~ 100) (P2 = 1000: MCVR, 0000 ~ 0100: FIX(0 ~ 100))                      | 4  |
| 055 | MODE-AM AM MIC SEL          | 0: FRONT 1: DATA                                                                    | 1  |
| 056 | MODE-CW CW PITCH            | 00: 300 Hz 01: 310 Hz ~ 74: 1040 Hz 75: 1050 Hz (10 Hz ステップ)                        | 2  |
| 057 | MODE-CW CW LCUT FREQ        | 00: OFF 01: 100 Hz ~ 19: 1000 Hz (50 Hz ステップ)                                       | 2  |
| 058 | MODE-CW CW LCUT SLOPE       | 0: 6 dB/oct 1: 18 dB/oct                                                            | 1  |
| 059 | MODE-CW CW HCUT FREQ        | 00: OFF 01: 700 Hz ~ 67: 4000 Hz (50 Hz ステップ)                                       | 2  |
| 060 | MODE-CW CW HCUT SLOPE       | 0: 6 dB/oct 1: 18 dB/oct                                                            | 1  |
| 061 | MODE-CW CW AUTO MODE        | 0: OFF 1: 50 MHz 2: ON                                                              | 1  |
| 062 | MODE-CW CW BFO              | 0: USB 1: LSB 2: AUTO                                                               | 1  |
| 063 | MODE-CW CW BK-IN            | 0: SEMI BREAK-IN 1: FULL BREAK-IN                                                   | 1  |
| 064 | MODE-CW CW BK-IN DELAY      | 30 ~ 3000 msec (P2 = 0030 ~ 3000, 10 msec/ステップ)                                     | 4  |
| 065 | MODE-CW CW WAVE SHAPE       | 0: 1 msec 1: 2 msec 2: 4 msec 3: 6 msec                                             | 1  |
| 066 | MODE-CW CW FREQ DISPLAY     | 0: DIRECT FREQ 1: PITCH OFFSET                                                      | 1  |
| 067 | MODE-CW PC KEYING           | 0: OFF 1: ON                                                                        | 1  |
| 068 | MODE-CW QSK                 | 0: 15 msec 1: 20 msec 2: 25 msec 3: 30 msec                                         | 1  |
| 069 | MODE-DATA DATA MODE         | 0: PSK 1: OTHER                                                                     | 1  |
| 070 | MODE-DATA PSK TONE          | 0: 1000 Hz 1: 1500 Hz 2: 2000 Hz                                                    | 1  |
| 071 | MODE-DATA OTHER DISP (SSB)  | -3000 Hz ~ 0 ~ +3000 Hz (P2 = -3000 ~ -0000 or +0000 ~ +3000, 10 Hz ステップ)           | 5  |
| 072 | MODE-DATA OTHER SHIFT (SSB) | -3000 Hz ~ 0 ~ +3000 Hz (P2 = -3000 ~ -0000 or +0000 ~ +3000, 10 Hz ステップ)           | 5  |
| 073 | MODE-DATA DATA LCUT FREQ    | 00: OFF 01: 100 Hz ~ 19: 1000 Hz (50 Hz ステップ)                                       | 2  |
| 074 | MODE-DATA DATA LCUT SLOPE   | 0: 6 dB/oct 1: 18 dB/oct                                                            | 1  |
| 075 | MODE-DATA DATA HCUT FREQ    | 00: OFF 01: 700 Hz ~ 67: 4000 Hz (50 Hz ステップ)                                       | 2  |
| 076 | MODE-DATA DATA HCUT SLOPE   | 0: 6 dB/oct 1: 18 dB/oct                                                            | 1  |
| 077 | MODE-DATA DATA MIC GAIN     | MCVR/FIX (0 ~ 100) (P2 = 1000: MCVR, 0000 ~ 0100: FIX(0 ~ 100))                     | 4  |
| 078 | MODE-DATA DATA OUT LEVEL    | 0 ~ 100 (P2 = 000 ~ 100)                                                            | 3  |
| 079 | MODE-DATA DATA VOX GAIN     | 0 ~ 100 (P2 = 000 ~ 100)                                                            | 3  |
| 080 | MODE-DATA DATA VOX DELAY    | 30 ~ 300 ~ 3000 msec (P2 = 0030 ~ 3000, 10 msec/ステップ)                               | 4  |
| 081 | MODE-FM FM LCUT FREQ        | 00: OFF 01: 100 Hz ~ 19: 1000 Hz (50 Hz ステップ)                                       | 2  |
| 082 | MODE-FM FM LCUT SLOPE       | 0: 6 dB/oct 1: 18 dB/oct                                                            | 1  |
| 083 | MODE-FM FM HCUT FREQ        | 00: OFF 01: 700 Hz ~ 67: 4000 Hz (50 Hz ステップ)                                       | 2  |
| 084 | MODE-FM FM HCUT SLOPE       | 0: 6 dB/oct 1: 18 dB/oct                                                            | 1  |
| 085 | MODE-FM FM MIC GAIN         | MCVR/FIX (0 ~ 100) (P2 = 1000: MCVR, 0000 ~ 0100: FIX(0 ~ 100))                     | 4  |
| 086 | MODE-FM FM MIC SEL          | 0: FRONT 1: DATA                                                                    | 1  |
| 087 | MODE-FM RPT SHIFT(28MHz)    | 0 ~ 1000 kHz (P2 = 0000 ~ 1000, 10 kHz/ステップ)                                        | 4  |
| 088 | MODE-FM RPT SHIFT(50MHz)    | 0 ~ 4000 kHz (P2 = 0000 ~ 4000, 10 kHz/ステップ)                                        | 4  |
| 089 | MODE-FM TONE FREQ           | 00: 67.0 Hz ~ 49: 254.1 Hz                                                          | 2  |
| 090 | MODE-RTY RTTY LCUT FREQ     | 00: OFF 01: 100 Hz ~ 19: 1000Hz (50 Hz ステップ)                                        | 2  |
| 091 | MODE-RTY RTTY LCUT SLOPE    | 0: 6 dB/oct 1: 18 dB/oct                                                            | 1  |
| 092 | MODE-RTY RTTY HCUT FREQ     | 00: OFF 01: 700 Hz ~ 67: 4000 Hz (50 Hz ステップ)                                       | 2  |
| 093 | MODE-RTY RTTY HCUT SLOPE    | 0: 6 dB/oct 1: 18 dB/oct                                                            | 1  |
| 094 | MODE-RTY RTTY POLARITY-R    | 0: NOR 1: REV                                                                       | 1  |
| 095 | MODE-RTY RTTY POLARITY-T    | 0: NOR 1: REV                                                                       | 1  |
| 096 | MODE-RTY RTTY OUT LEVEL     | 000 ~ 100                                                                           | 3  |
| 097 | MODE-RTY RTTY SHIFT         | 1: 170 Hz 2: 200 Hz 3: 425 Hz 4: 850 Hz                                             | 1  |
| 098 | MODE-RTY RTTY MARK FREQ     | 1: 1275 Hz 2: 2125 Hz                                                               | 1  |
| 099 | MODE-SSB SSB LCUT FREQ      | 00: OFF 01: 100 Hz ~ 19: 1000 Hz (50 Hz ステップ)                                       | 2  |
| 100 | MODE-SSB SSB LCUT SLOPE     | 0: 6 dB/oct 1: 18 dB/oct                                                            | 1  |
| 101 | MODE-SSB SSB HCUT FREQ      | 00: OFF 01: 700 Hz ~ 67: 4000 Hz (50 Hz ステップ)                                       | 2  |
| 102 | MODE-SSB SSB HCUT SLOPE     | 0: 6 dB/oct 1: 18 dB/oct                                                            | 1  |
| 103 | MODE-SSB SSB MIC SEL        | 0: FRONT 1: DATA                                                                    | 1  |
| 104 | MODE-SSB SSB TX BPF         | 0: 50 ~ 3000 1: 100 ~ 2900 2: 200 ~ 2800 3: 300 ~ 2700 4: 400 ~ 2600 (Hz) 5: 3000WB | 1  |
| 105 | MODE-SSB LSB RX CARRIER     | -200 Hz ~ 0 ~ +200 Hz (10Hz ステップ) (P2 = -200 ~ -000 or +000 ~ +200)                 | 4  |
| 106 | MODE-SSB USB RX CARRIER     | -200 Hz ~ 0 ~ +200 Hz (10Hz ステップ) (P2 = -200 ~ -000 or +000 ~ +200)                 | 4  |
| 107 | RX DSP APF WIDTH            | 0: NARROW 1: MEDIUM 2: WIDE                                                         | 1  |
| 108 | RX DSP CONTOUR LEVEL        | -40 ~ 0 ~ +20 (P2 = -40 ~ -00 or +00 ~ +20)                                         | 3  |
| 109 | RX DSP CONTOUR WIDTH        | 01 ~ 11                                                                             | 2  |
| 110 | RX DSP DNR LEVEL            | 01 ~ 15                                                                             | 2  |
| 111 | RX DSP IF NOTCH WIDTH       | 0: NARROW 1: WIDE                                                                   | 1  |
| 112 | RX DSP HF CW SHAPE          | 0: SOFT 1: SHARP                                                                    | 1  |
| 113 | RX DSP HF CW SLOPE          | 0: STEEP 1: MEDIUM 2: GENTLE                                                        | 1  |
| 114 | RX DSP 6M CW SHAPE          | 0: SOFT 1: SHARP                                                                    | 1  |
| 115 | RX DSP 6M CW SLOPE          | 0: STEEP 1: MEDIUM 2: GENTLE                                                        | 1  |
| 116 | RX DSP HF PSK SHAPE         | 0: SOFT 1: SHARP                                                                    | 1  |
| 117 | RX DSP HF PSK SLOPE         | 0: STEEP 1: MEDIUM 2: GENTLE                                                        | 1  |
| 118 | RX DSP HF FSK SHAPE         | 0: SOFT 1: SHARP                                                                    | 1  |
| 119 | RX DSP HF FSK SLOPE         | 0: STEEP 1: MEDIUM 2: GENTLE                                                        | 1  |
| 120 | RX DSP HF SSB SHAPE         | 0: SOFT 1: SHARP                                                                    | 1  |
| 121 | RX DSP HF SSB SLOPE         | 0: STEEP 1: MEDIUM 2: GENTLE                                                        | 1  |
| 122 | RX DSP 6M SSB SHAPE         | 0: SOFT 1: SHARP                                                                    | 1  |
| 123 | RX DSP 6M SSB SLOPE         | 0: STEEP 1: MEDIUM 2: GENTLE                                                        | 1  |
| 124 | SCOPE SCPE MODE             | 0: CENTER 1: CENTER-WF 2: FIX 3: FIX-WF                                             | 1  |
| 125 | SCOPE SCPE SPEED            | 0: FAST 1: SLOW                                                                     | 1  |
| 126 | SCOPE SCPE AUTO TIME        | 0: OFF 1: 3 sec 2: 5 sec 3: 10 sec 4: 30 sec 5: 60 sec                              | 1  |
| 127 | SCOPE START DIAL SPEED      | 0: 0.5 k/sec 1: 1 kHz/sec 2: 2 kHz/sec 3: 4 kHz/sec 4: 8 kHz/sec 5: 16 kHz/sec      | 1  |
| 128 | SCOPE SPAN FREQ             | 02: 20 kHz 03: 50 kHz 04: 100 kHz 05: 200 kHz 06: 500 kHz 07: 1000 kHz              | 2  |
| 129 | SCOPE FIX 1.8MHz            | 1.800 MHz ~ 1.999 MHz (P2 = 01800 ~ 01999, 1 kHz ステップ)                              | 5  |
| 130 | SCOPE FIX 1.8MHz SPAN       | 02: 20 kHz 03: 50 kHz 04: 100 kHz 05: 200 kHz 06: 500 kHz 07: 1000 kHz              | 2  |
| 131 | SCOPE FIX 3.5MHz            | 3.500 MHz ~ 3.999 MHz (P2 = 03500 ~ 03999, 1 kHz ステップ)                              | 5  |
| 132 | SCOPE FIX 3.5MHzSPAN        | 02: 20 kHz 03: 50 kHz 04: 100 kHz 05: 200 kHz 06: 500 kHz 07: 1000 kHz              | 2  |
| 133 | SCOPE FIX 5.0MHz            | 5.250 MHz ~ 5.499 MHz (P2 = 05250 ~ 05499, 1 kHz ステップ)                              | 5  |
| 134 | SCOPE FIX 5.0MHz SPAN       | 02: 20 kHz 03: 50 kHz 04: 100 kHz 05: 200 kHz 06: 500 kHz 07: 1000 kHz              | 2  |
| 135 | SCOPE FIX 7.0MHz            | 7.000 MHz ~ 7.299 MHz (P2 = 07000 ~ 07299, 1 kHz ステップ)                              | 5  |
| 136 | SCOPE FIX 7.0MHz SPAN       | 02: 20 kHz 03: 50 kHz 04: 100 kHz 05: 200 kHz 06: 500 kHz 07: 1000 kHz              | 2  |
| 137 | SCOPE FIX 10MHz             | 10.100 MHz ~ 10.149 MHz (P2 = 10100 ~ 10149, 1 kHz ステップ)                            | 5  |
| 138 | SCOPE FIX 10MHz SPAN        | 02: 20 kHz 03: 50 kHz 04: 100 kHz 05: 200 kHz 06: 500 kHz 07: 1000 kHz              | 2  |
| 139 | SCOPE FIX 14MHz             | 14.000 MHz ~ 14.349 MHz (P2 = 14000 ~ 14349, 1 kHz ステップ)                            | 5  |
| 140 | SCOPE FIX 14MHz SPAN        | 02: 20 kHz 03: 50 kHz 04: 100 kHz 05: 200 kHz 06: 500 kHz 07: 1000 kHz              | 2  |

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表 4

| P1  | FUNCTION                    | P2                                                                                       | 桁数 |
|-----|-----------------------------|------------------------------------------------------------------------------------------|----|
| 141 | SCOPE FIX 18MHz             | 18.000 MHz ~ 18.199 MHz (P2 = 18000 ~ 18199, 1 kHz ステップ)                                 | 5  |
| 142 | SCOPE FIX 18MHzSPAN         | 02: 20 kHz 03: 50 kHz 04: 100 kHz 05: 200 kHz 06: 500 kHz 07: 1000 kHz                   | 2  |
| 143 | SCOPE FIX 21MHz             | 21.000 MHz ~ 21.449 MHz (P2 = 21000 ~ 21449, 1 kHz ステップ)                                 | 5  |
| 144 | SCOPE FIX 21MHz SPAN        | 02: 20 kHz 03: 50 kHz 04: 100 kHz 05: 200 kHz 06: 500 kHz 07: 1000 kHz                   | 2  |
| 145 | SCOPE FIX 24MHz             | 24.800 MHz ~ 24.989 MHz (P2 = 24800 ~ 24989, 1 kHz ステップ)                                 | 5  |
| 146 | SCOPE FIX 24MHz SPAN        | 02: 20 kHz 03: 50 kHz 04: 100 kHz 05: 200 kHz 06: 500 kHz 07: 1000 kHz                   | 2  |
| 147 | SCOPE FIX 28MHz             | 28.000 MHz ~ 29.699 MHz (P2 = 28000 ~ 29699, 1 kHz ステップ)                                 | 5  |
| 148 | SCOPE FIX 28MHz SPAN        | 02: 20 kHz 03: 50 kHz 04: 100 kHz 05: 200 kHz 06: 500 kHz 07: 1000 kHz                   | 2  |
| 149 | SCOPE FIX 50MHz             | 50.000 MHz ~ 53.999 MHz (P2 = 50000 ~ 53999, 1 kHz ステップ)                                 | 5  |
| 150 | SCOPE FIX 50MHzSPAN         | 02: 20 kHz 03: 50 kHz 04: 100 kHz 05: 200 kHz 06: 500 kHz 07: 1000 kHz                   | 2  |
| 151 | TUNING CW DIAL STEP         | 0: 1 Hz 1: 5 Hz 2: 10 Hz                                                                 | 1  |
| 152 | TUNING DATA DIAL STEP       | 0: 1 Hz 1: 5 Hz 2: 10 Hz                                                                 | 1  |
| 153 | TUNING AM/FM DIAL STEP      | 0: 10 Hz 1: 100 Hz                                                                       | 1  |
| 154 | TUNING RTTY DIAL STEP       | 0: 1 Hz 1: 5 Hz 2: 10 Hz                                                                 | 1  |
| 155 | TUNING SSB DIAL STEP        | 0: 1 Hz 1: 5 Hz 2: 10 Hz                                                                 | 1  |
| 156 | TUNING AM CH STEP           | 0: 2.5 kHz 1: 5 kHz 2: 9 kHz 3: 10 kHz 4: 12.5 kHz                                       | 1  |
| 157 | TUNING FM CH STEP           | 0: 5 kHz 1: 6.25 kHz 2: 10 kHz 3: 12.5 kHz 4: 20 kHz 5: 25 kHz                           | 1  |
| 158 | TUNING 1MHz/100kHz SELECT   | 0: 1 MHz 1: 100 kHz                                                                      | 1  |
| 159 | TX AUDIO PRMTRC EQ1 FREQ    | 00: OFF 01: 100 02: 200 03: 300 04: 400 05: 500 06: 600 07: 700 Hz                       | 2  |
| 160 | TX AUDIO PRMTRC EQ1 LEVEL   | -20 ~ 0 ~ +10 (P2 = -20 ~ -00 or +00 ~ +10)                                              | 3  |
| 161 | TX AUDIO PRMTRC EQ1 BWTH    | 01 ~ 10                                                                                  | 2  |
| 162 | TX AUDIO PRMTRC EQ2 FREQ    | 00: OFF 01: 700 02: 800 03: 900 04: 1000 05: 1100 06: 1200 07: 1300 08: 1400 09: 1500 Hz | 2  |
| 163 | TX AUDIO PRMTRC EQ2 LEVEL   | -20 ~ 0 ~ +10 (P2 = -20 ~ -00 or +00 ~ +10)                                              | 3  |
| 164 | TX AUDIO PRMTRC EQ2 BWTH    | 01 ~ 10                                                                                  | 2  |
| 165 | TX AUDIO PRMTRC EQ3 FREQ    | 00: OFF 01: 1500 02: 1600 03: 1700 04: 1800 05: 1900 06: 2000 ~ 18: 3200 Hz              | 2  |
| 166 | TX AUDIO PRMTRC EQ3 LEVEL   | -20 ~ 0 ~ +10 (P2 = -20 ~ -00 or +00 ~ +10)                                              | 3  |
| 167 | TX AUDIO PRMTRC EQ3 BWTH    | 01 ~ 10                                                                                  | 2  |
| 168 | TX AUDIO P-PRMTRC EQ1 FREQ  | 00: OFF 01: 100 02: 200 03: 300 04: 400 05: 500 06: 600 07: 700 Hz                       | 2  |
| 169 | TX AUDIO P-PRMTRC EQ1 LEVEL | -20 ~ 0 ~ +10 (P2 = -20 ~ -00 or +00 ~ +10)                                              | 3  |
| 170 | TX AUDIO P-PRMTRC EQ1 BWTH  | 01 ~ 10                                                                                  | 2  |
| 171 | TX AUDIO P-PRMTRC EQ2 FREQ  | 00: OFF 01: 700 02: 800 03: 900 04: 1000 05: 1100 06: 1200 07: 1300 08: 1400 09: 1500 Hz | 2  |
| 172 | TX AUDIO P-PRMTRC EQ2 LEVEL | -20 ~ 0 ~ +10 (P2 = -20 ~ -00 or +00 ~ +10)                                              | 3  |
| 173 | TX AUDIO P-PRMTRC EQ2 BWTH  | 01 ~ 10                                                                                  | 2  |
| 174 | TX AUDIO P-PRMTRC EQ3 FREQ  | 00: OFF 01: 1500 02: 1600 03: 1700 04: 1800 05: 1900 06: 2000 ~ 18: 3200 Hz              | 2  |
| 175 | TX AUDIO P-PRMTRC EQ3 LEVEL | -20 ~ 0 ~ +10 (P2 = -20 ~ -00 or +00 ~ +10)                                              | 3  |
| 176 | TX AUDIO P-PRMTRC EQ3 BWTH  | 01 ~ 10                                                                                  | 2  |
| 177 | TX GNRL TX PWR/PROC CONTROL | 0: TX PWR 1: PROC                                                                        | 1  |
| 178 | TX GNRL EXT AMP TUNING PWR  | 0: 10 1: 20 2: 50 3: 100                                                                 | 1  |
| 179 | TX GNRL TUNER SELECT        | 0: INTERNAL 1: EXTERNAL                                                                  | 1  |
| 180 | TX GNRL VOX SELECT          | 0: MIC 1: DATA                                                                           | 1  |
| 181 | TX GNRL VOX GAIN            | 000 ~ 100                                                                                | 3  |
| 182 | TX GNRL VOX DELAY           | 30 ~ 300 ~ 3000 msec (P2 = 0030 ~ 3000, 10 msec/ ステップ)                                   | 4  |
| 183 | TX GNRL ANTI VOX GAIN       | 000 ~ 100                                                                                | 3  |
| 184 | TX GNRL EMERGENCY FREQ TX   | 0: DISABLE 1: ENABLE                                                                     | 1  |
| 185 | AF SCOPE FFT DISPLAY MODE   | 0: SPECTRUM 1: WATER FALL 2: SPECTRUM-WF                                                 | 1  |
| 186 | AF SCOPE FFT ATT            | 0: 0 dB 1: 10 dB 2: 20 dB                                                                | 1  |
| 187 | DEC CW CW DECODE BW         | 0: 25 Hz 1: 50 Hz 2: 100 Hz 3: 250 Hz                                                    | 1  |
| 188 | E/D RTTY RX USOS            | 0: DISABLE 1: ENABLE                                                                     | 1  |
| 189 | E/D RTTY TX USOS            | 0: DISABLE 1: ENABLE                                                                     | 1  |
| 190 | E/D RTTY RX NEW LINE CODE   | 0: CR, LF, CR+L 1: CR+LF                                                                 | 1  |
| 191 | E/D RTTY TX AUTO CR+LF      | 0: DISABLE 1: ENABLE                                                                     | 1  |
| 192 | E/D RTTY TX DIDDLE          | 0: OFF 1: BLANK 2: LTRS                                                                  | 1  |
| 193 | E/D RTTY BAUDOT CODE        | 0: CCIT 1: US                                                                            | 1  |
| 194 | E/D PSK PSK MODE            | 0: BPSK 1: QPSK                                                                          | 1  |
| 195 | E/D PSK DECODE AFC RANGE    | 0: ±8 Hz 1: ±15 Hz 2: ±30 Hz                                                             | 1  |
| 196 | E/D PSK QPSK POLARITY REV   | 0: RX-N, TX-N 1: RX-R, TX-N 2: RX-N, TX-R 3: RX-R, TX-R                                  | 1  |

| FA     | FREQUENCY VFO-A |    |    |    |    |    |    |    |    |    |
|--------|-----------------|----|----|----|----|----|----|----|----|----|
| Set    | 1               | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |
|        | F               | A  | P1 | P1 | P1 | P1 | P1 | P1 | P1 | P1 |
|        | 11              | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| Read   | ;               |    |    |    |    |    |    |    |    |    |
|        | 1               | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |
|        | F               | A  | ;  |    |    |    |    |    |    |    |
| Answer | 1               | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |
|        | F               | A  | P1 | P1 | P1 | P1 | P1 | P1 | P1 | P1 |
|        | 11              | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|        | ;               |    |    |    |    |    |    |    |    |    |

P1 0030000 ~ 56000000 (Hz)  
ただし、本体の送受信周波数の範囲外の数値は無効になります。  
なお、AUX 表示中も値は上記周波数となります。

| FB     | FREQUENCY VFO-B |    |    |    |    |    |    |    |    |    |
|--------|-----------------|----|----|----|----|----|----|----|----|----|
| Set    | 1               | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |
|        | F               | B  | P1 | P1 | P1 | P1 | P1 | P1 | P1 | P1 |
|        | 11              | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| Read   | P1              | P1 | P1 | ;  |    |    |    |    |    |    |
|        | 1               | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |
|        | F               | B  | ;  |    |    |    |    |    |    |    |
| Answer | 1               | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |
|        | F               | B  | P1 | P1 | P1 | P1 | P1 | P1 | P1 | P1 |
|        | 11              | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|        | P1              | P1 | P1 | ;  |    |    |    |    |    |    |

P1 0030000 ~ 56000000 (Hz)  
ただし、本体の送受信周波数の範囲外の数値は無効になります。  
なお、AUX 表示中も値は上記周波数となります。

# CAT コントロールコマンドテーブル

| FR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FUNCTION RX    |    |    |     |    |     |    |    |     |    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----|----|-----|----|-----|----|----|-----|----|
| Set                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1              | 2  | 3  | 4   | 5  | 6   | 7  | 8  | 9   | 10 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | F              | R  | P1 | ;   |    |     |    |    |     |    |
| Read                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1              | 2  | 3  | 4   | 5  | 6   | 7  | 8  | 9   | 10 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | F              | R  | ;  |     |    |     |    |    |     |    |
| Answer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1              | 2  | 3  | 4   | 5  | 6   | 7  | 8  | 9   | 10 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | F              | R  | P1 | ;   |    |     |    |    |     |    |
| P1 0: VFO-A Band Receiver: "RX", VFO-B Band Receiver: "OFF"<br>1: VFO-A Band Receiver: "Mute", VFO-B Band Receiver: "OFF"<br>4: VFO-A Band Receiver: "OFF", VFO-B Band Receiver: "RX"<br>5: VFO-A Band Receiver: "OFF", VFO-B Band Receiver: "Mute"                                                                                                                                                                                                                                                                                                   |                |    |    |     |    |     |    |    |     |    |
| FS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FAST STEP      |    |    |     |    |     |    |    |     |    |
| Set                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1              | 2  | 3  | 4   | 5  | 6   | 7  | 8  | 9   | 10 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | F              | S  | P1 | ;   |    |     |    |    |     |    |
| Read                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1              | 2  | 3  | 4   | 5  | 6   | 7  | 8  | 9   | 10 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | F              | S  | ;  |     |    |     |    |    |     |    |
| Answer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1              | 2  | 3  | 4   | 5  | 6   | 7  | 8  | 9   | 10 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | F              | S  | P1 | ;   |    |     |    |    |     |    |
| P1 0: VFO-A FAST Key "OFF" 1: VFO-A FAST Key "ON"<br>2: VFO-B FAST Key "OFF" 3: VFO-B FAST Key "ON"<br>4: VFO-A FAST Key "OFF", VFO-B FAST Key "OFF"<br>5: VFO-A FAST Key "ON", VFO-B FAST Key "OFF"<br>6: VFO-A FAST Key "OFF", VFO-B FAST Key "ON"<br>7: VFO-A FAST Key "ON", VFO-B FAST Key "ON"                                                                                                                                                                                                                                                   |                |    |    |     |    |     |    |    |     |    |
| FT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | FUNCTION TX    |    |    |     |    |     |    |    |     |    |
| Set                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1              | 2  | 3  | 4   | 5  | 6   | 7  | 8  | 9   | 10 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | F              | T  | P1 | ;   |    |     |    |    |     |    |
| Read                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1              | 2  | 3  | 4   | 5  | 6   | 7  | 8  | 9   | 10 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | F              | T  | ;  |     |    |     |    |    |     |    |
| Answer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1              | 2  | 3  | 4   | 5  | 6   | 7  | 8  | 9   | 10 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | F              | T  | P2 | ;   |    |     |    |    |     |    |
| P1 0: VFO-A Band: TX/RX ( トグル )<br>1: VFO-B Band: TX/RX ( トグル )<br>2: VFO-A Band Transmitter: TX<br>3: VFO-B Band Transmitter: TX<br>P2 0: VFO-A Band Transmitter: TX<br>1: VFO-B Band Transmitter: TX                                                                                                                                                                                                                                                                                                                                                |                |    |    |     |    |     |    |    |     |    |
| GT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | AGC FUNCTION   |    |    |     |    |     |    |    |     |    |
| Set                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1              | 2  | 3  | 4   | 5  | 6   | 7  | 8  | 9   | 10 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | G              | T  | P1 | P2  | ;  |     |    |    |     |    |
| Read                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1              | 2  | 3  | 4   | 5  | 6   | 7  | 8  | 9   | 10 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | G              | T  | P1 | ;   |    |     |    |    |     |    |
| Answer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1              | 2  | 3  | 4   | 5  | 6   | 7  | 8  | 9   | 10 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | G              | T  | P1 | P3  | ;  |     |    |    |     |    |
| P1 0: (固定値) P3 0: AGC "OFF"<br>P2 0: AGC "OFF" 1: AGC "FAST"<br>1: AGC "FAST" 2: AGC "MID"<br>2: AGC "MID" 3: AGC "SLOW"<br>3: AGC "SLOW" 4: AGC "AUTO-FAST"<br>4: AGC "AUTO" 5: AGC "AUTO-MID"<br>6: AGC "AUTO-SLOW"                                                                                                                                                                                                                                                                                                                                 |                |    |    |     |    |     |    |    |     |    |
| ID                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | IDENTIFICATION |    |    |     |    |     |    |    |     |    |
| Set                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1              | 2  | 3  | 4   | 5  | 6   | 7  | 8  | 9   | 10 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |    |    |     |    |     |    |    |     |    |
| Read                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1              | 2  | 3  | 4   | 5  | 6   | 7  | 8  | 9   | 10 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | I              | D  | ;  |     |    |     |    |    |     |    |
| Answer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1              | 2  | 3  | 4   | 5  | 6   | 7  | 8  | 9   | 10 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | I              | D  | P1 | P1  | P1 | P1  | ;  |    |     |    |
| P1 0582 :FTDX1200 (FFT-UNIT( オプション ) 実装 )<br>0583 :FTDX1200 (FFT-UNIT( オプション ) 未実装 )                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                |    |    |     |    |     |    |    |     |    |
| IF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | INFORMATION    |    |    |     |    |     |    |    |     |    |
| Set                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1              | 2  | 3  | 4   | 5  | 6   | 7  | 8  | 9   | 10 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |    |    |     |    |     |    |    |     |    |
| Read                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1              | 2  | 3  | 4   | 5  | 6   | 7  | 8  | 9   | 10 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | I              | F  | ;  |     |    |     |    |    |     |    |
| Answer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1              | 2  | 3  | 4   | 5  | 6   | 7  | 8  | 9   | 10 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | I              | F  | P1 | P1  | P2 | P2  | P2 | P2 | P2  | P2 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 11             | 12 | 13 | 14  | 15 | 16  | 17 | 18 | 19  | 20 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | P2             | P2 | P2 | P3  | P3 | P3  | P3 | P4 | P5  |    |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 21             | 22 | 23 | 24  | 25 | 26  | 27 | 28 | 29  | 30 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | P6             | P7 | P8 | P9  | P9 | P10 | ;  |    |     |    |
| P1 000-117 (Memory Channel) P2 VFO-A Frequency (Hz)<br>P3 Clarifier Direction +: Plus Shift, -: Minus Shift<br>Clarifier Offset: 0000 - 9999 (Hz)<br>P4 0: RX CLAR "OFF" 1: RX CLAR "ON"<br>P5 0: TX CLAR "OFF" 1: TX CLAR "ON"<br>P6 MODE 1: LSB 2: USB 3: CW 4: FM 5: AM 6: RTTY-LSB<br>7: CW-R 8: DATA-LSB 9: RTTY-USB A: ----<br>B: FM-N C: DATA-USB<br>P7 0: VFO 1: Memory 2: Memory Tune 3: Quick Memory Bank (QMB) 4: QMB-MT<br>P8 0: CTCSS "OFF" 1: CTCSS ENC/DEC 2: CTCSS ENC<br>P9 00: (固定値)<br>P10 0: Simplex 1: Plus Shift 2: Minus Shift |                |    |    |     |    |     |    |    |     |    |
| IS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | IF-SHIFT       |    |    |     |    |     |    |    |     |    |
| Set                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1              | 2  | 3  | 4   | 5  | 6   | 7  | 8  | 9   | 10 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | I              | S  | P1 | -/+ | P2 | P2  | P2 | P2 | ;   |    |
| Read                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1              | 2  | 3  | 4   | 5  | 6   | 7  | 8  | 9   | 10 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | I              | S  | P1 | ;   |    |     |    |    |     |    |
| Answer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1              | 2  | 3  | 4   | 5  | 6   | 7  | 8  | 9   | 10 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | I              | S  | P1 | -/+ | P2 | P2  | P2 | P2 | ;   |    |
| P1 0: (固定値)<br>P2: -1000 ~ +1000 Hz (20 Hz ステップ)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                |    |    |     |    |     |    |    |     |    |
| KM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | KEYER MEMORY   |    |    |     |    |     |    |    |     |    |
| Set                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1              | 2  | 3  | 4   | 5  | 6   | 7  | ~  | n-1 | n  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | K              | M  | P1 | P2  | P2 | P2  | P2 | ~  | P2  | ;  |
| Read                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1              | 2  | 3  | 4   | 5  | 6   | 7  | 8  | 9   | 10 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | K              | M  | P1 | ;   |    |     |    |    |     |    |
| Answer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 1              | 2  | 3  | 4   | 5  | 6   | 7  | ~  | n-1 | n  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | K              | M  | P1 | P2  | P2 | P2  | P2 | ~  | P2  | ;  |
| P1 1 ~ 5 : Keyer Memory Channel Number<br>P2: Message Characters ( 最大 50 文字 )                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                |    |    |     |    |     |    |    |     |    |

# CAT コントロールコマンドテーブル

| KP     |   | KEY PITCH               |    |    |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
|--------|---|-------------------------|----|----|----|---|---|---|---|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Set    | 1 | 2                       | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 | P1 00: 300 Hz ~ 75: 1050 Hz (10 Hz ステップ)                                                                                                                                                                                                                                                                        |
|        | K | P                       | P1 | P1 | ;  |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| Read   | 1 | 2                       | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |                                                                                                                                                                                                                                                                                                                 |
|        | K | P                       | ;  |    |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| Answer | 1 | 2                       | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |                                                                                                                                                                                                                                                                                                                 |
|        | K | P                       | P1 | P1 | ;  |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
|        |   |                         |    |    |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| KR     |   | KEYER                   |    |    |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| Set    | 1 | 2                       | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 | P1 0: KEYER "OFF"<br>1: KEYER "ON"                                                                                                                                                                                                                                                                              |
|        | K | R                       | P1 | ;  |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| Read   | 1 | 2                       | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |                                                                                                                                                                                                                                                                                                                 |
|        | K | R                       | ;  |    |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| Answer | 1 | 2                       | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |                                                                                                                                                                                                                                                                                                                 |
|        | K | R                       | P1 | ;  |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
|        |   |                         |    |    |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| KS     |   | KEY SPEED               |    |    |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| Set    | 1 | 2                       | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 | P1 004 ~ 060 (WPM)                                                                                                                                                                                                                                                                                              |
|        | K | S                       | P1 | P1 | P1 | ; |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| Read   | 1 | 2                       | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |                                                                                                                                                                                                                                                                                                                 |
|        | K | S                       | ;  |    |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| Answer | 1 | 2                       | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |                                                                                                                                                                                                                                                                                                                 |
|        | K | S                       | P1 | P1 | P1 | ; |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
|        |   |                         |    |    |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| KY     |   | CW KEYING               |    |    |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| Set    | 1 | 2                       | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 | P1 1: Keyer Memory "1" 再生<br>2: Keyer Memory "2" 再生<br>3: Keyer Memory "3" 再生<br>4: Keyer Memory "4" 再生<br>5: Keyer Memory "5" 再生<br><br>6: Message Keyer "1" 再生<br>7: Message Keyer "2" 再生<br>8: Message Keyer "3" 再生<br>9: Message Keyer "4" 再生<br>A: Message Keyer "5" 再生                                    |
|        | K | Y                       | P1 | ;  |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| Read   | 1 | 2                       | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |                                                                                                                                                                                                                                                                                                                 |
|        |   |                         |    |    |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| Answer | 1 | 2                       | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |                                                                                                                                                                                                                                                                                                                 |
|        |   |                         |    |    |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
|        |   |                         |    |    |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| LK     |   | LOCK                    |    |    |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| Set    | 1 | 2                       | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 | P1 0: VFO-A DIAL Lock "OFF" 1: VFO-A DIAL Lock "ON"<br>2: VFO-B DIAL Lock "OFF" 3: VFO-B DIAL Lock "ON"<br>4: VFO-A DIAL Lock "OFF", VFO-B DIAL Lock "OFF"<br>5: VFO-A DIAL Lock "ON", VFO-B DIAL Lock "OFF"<br>6: VFO-A DIAL Lock "OFF", VFO-B DIAL Lock "ON"<br>7: VFO-A DIAL Lock "ON", VFO-B DIAL Lock "ON" |
|        | L | K                       | P1 | ;  |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| Read   | 1 | 2                       | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |                                                                                                                                                                                                                                                                                                                 |
|        | L | K                       | ;  |    |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| Answer | 1 | 2                       | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |                                                                                                                                                                                                                                                                                                                 |
|        | L | K                       | P1 | ;  |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
|        |   |                         |    |    |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| LM     |   | LOAD MESSAGE            |    |    |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| Set    | 1 | 2                       | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 | P1 0: (固定値) P2 0: DVS (録音 停止)<br>1: DVS (CH "1" 録音 開始/停止)<br>2: DVS (CH "2" 録音 開始/停止)<br>3: DVS (CH "3" 録音 開始/停止)<br>4: DVS (CH "4" 録音 開始/停止)<br>5: DVS (CH "5" 録音 開始/停止)<br>※: オプションのボイスメモリユニット DVS-6 が必要です。                                                                                                   |
|        | L | M                       | P1 | P2 | ;  |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| Read   | 1 | 2                       | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |                                                                                                                                                                                                                                                                                                                 |
|        | L | M                       | P1 | ;  |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| Answer | 1 | 2                       | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |                                                                                                                                                                                                                                                                                                                 |
|        | L | M                       | P1 | P2 | ;  |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
|        |   |                         |    |    |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| MA     |   | MEMORY CHANNEL TO VFO-A |    |    |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| Set    | 1 | 2                       | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |                                                                                                                                                                                                                                                                                                                 |
|        | M | A                       | ;  |    |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| Read   | 1 | 2                       | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |                                                                                                                                                                                                                                                                                                                 |
|        |   |                         |    |    |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| Answer | 1 | 2                       | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |                                                                                                                                                                                                                                                                                                                 |
|        |   |                         |    |    |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
|        |   |                         |    |    |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| MC     |   | MEMORY CHANNEL          |    |    |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| Set    | 1 | 2                       | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 | P1 000 - 117: Memory Channel Number<br>000 - 099: Regular Memory Channel<br>100: P-1L<br>101: P-1U<br>116: P-9L<br>117: P-9U                                                                                                                                                                                    |
|        | M | C                       | P1 | P1 | P1 | ; |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| Read   | 1 | 2                       | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |                                                                                                                                                                                                                                                                                                                 |
|        | M | C                       | ;  |    |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| Answer | 1 | 2                       | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |                                                                                                                                                                                                                                                                                                                 |
|        | M | C                       | P1 | P1 | P1 | ; |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
|        |   |                         |    |    |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| MD     |   | OPERATING MODE          |    |    |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| Set    | 1 | 2                       | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 | P1 0: (固定値)<br>P2 MODE 1: LSB 2: USB 3: CW 4: FM 5: AM 6: RTTY-LSB<br>7: CW-R 8: DATA-LSB 9: RTTY-USB A: ----<br>B: FM-N C: DATA-USB                                                                                                                                                                            |
|        | M | D                       | P1 | P2 | ;  |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| Read   | 1 | 2                       | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |                                                                                                                                                                                                                                                                                                                 |
|        | M | D                       | P1 | ;  |    |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |
| Answer | 1 | 2                       | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |                                                                                                                                                                                                                                                                                                                 |
|        | M | D                       | P1 | P2 | ;  |   |   |   |   |    |                                                                                                                                                                                                                                                                                                                 |

# CAT コントロールコマンドテーブル

| MG     | MIC GAIN |   |    |    |    |   |   |   |   |    |
|--------|----------|---|----|----|----|---|---|---|---|----|
| Set    | 1        | 2 | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |
|        | M        | G | P1 | P1 | P1 | ; |   |   |   |    |
| Read   | 1        | 2 | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |
|        | M        | G | ;  |    |    |   |   |   |   |    |
| Answer | 1        | 2 | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |
|        | M        | G | P1 | P1 | P1 | ; |   |   |   |    |

P1 000 ~ 100

| ML     | MONITOR LEVEL |   |    |    |    |    |   |   |   |    |
|--------|---------------|---|----|----|----|----|---|---|---|----|
| Set    | 1             | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |
|        | M             | L | P1 | P2 | P2 | P2 | ; |   |   |    |
| Read   | 1             | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |
|        | M             | L | P1 | ;  |    |    |   |   |   |    |
| Answer | 1             | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |
|        | M             | L | P1 | P2 | P2 | P2 | ; |   |   |    |

P1 0: MONI "ON/OFF"  
1: MONI Level  
P2 P1=0 の時  
000: MONI "OFF"  
001: MONI "ON"  
P1=1 の時  
001 - 100

| MR     | MEMORY CHANNEL READ |    |    |     |     |     |    |    |    |    |
|--------|---------------------|----|----|-----|-----|-----|----|----|----|----|
| Set    | 1                   | 2  | 3  | 4   | 5   | 6   | 7  | 8  | 9  | 10 |
|        |                     |    |    |     |     |     |    |    |    |    |
| Read   | 1                   | 2  | 3  | 4   | 5   | 6   | 7  | 8  | 9  | 10 |
|        | M                   | R  | P1 | P1  | P1  | ;   |    |    |    |    |
| Answer | 1                   | 2  | 3  | 4   | 5   | 6   | 7  | 8  | 9  | 10 |
|        | M                   | R  | P2 | P2  | P2  | P3  | P3 | P3 | P3 | P3 |
|        | 11                  | 12 | 13 | 14  | 15  | 16  | 17 | 18 | 19 | 20 |
|        | P3                  | P3 | P3 | P4  | P4  | P4  | P4 | P4 | P5 | P6 |
|        | 21                  | 22 | 23 | 24  | 25  | 26  | 27 | 28 | 29 | 30 |
|        | P7                  | P8 | P9 | P10 | P10 | P11 | ;  |    |    |    |

P1 Memory Channel Number(001 ~ 117) P2 Current Memory Channel  
P3 Memory Channel Frequency (Hz)  
P4 Clarifier Direction +: Plus Shift, -: Minus Shift  
Clarifier Offset: 0000 - 9999 (Hz)  
P5 0: RX CLAR "OFF" 1: RX CLAR "ON"  
P6 0: TX CLAR "OFF" 1: TX CLAR "ON"  
P7 MODE 1: LSB 2: USB 3: CW 4: FM 5: AM 6: RTTY-LSB  
7: CW-R 8: DATA-LSB 9: RTTY-USB A: ----  
B: FM-N C: DATA-USB  
P8 0: VFO 1: Memory  
P9 0: CTCSS "OFF" 1: CTCSS ENC/DEC 2: CTCSS ENC  
P10 00: (固定値) P11 0: Simplex 1: Plus Shift 2: Minus Shift

| MS     | METER SW |   |    |   |   |   |   |   |   |    |
|--------|----------|---|----|---|---|---|---|---|---|----|
| Set    | 1        | 2 | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|        | M        | S | P1 | ; |   |   |   |   |   |    |
| Read   | 1        | 2 | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|        | M        | S | ;  |   |   |   |   |   |   |    |
| Answer | 1        | 2 | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|        | M        | S | P1 | ; |   |   |   |   |   |    |

P1 0: COMP  
1: ALC  
3: SWR  
4: ID  
5: VDD

| MW     | MEMORY CHANNEL WRITE |    |    |    |    |     |    |    |    |    |
|--------|----------------------|----|----|----|----|-----|----|----|----|----|
| Set    | 1                    | 2  | 3  | 4  | 5  | 6   | 7  | 8  | 9  | 10 |
|        | M                    | W  | P1 | P1 | P1 | P2  | P2 | P2 | P2 | P2 |
|        | 11                   | 12 | 13 | 14 | 15 | 16  | 17 | 18 | 19 | 20 |
|        | P2                   | P2 | P2 | P3 | P3 | P3  | P3 | P3 | P4 | P5 |
|        | 21                   | 22 | 23 | 24 | 25 | 26  | 27 | 28 | 29 | 30 |
|        | P6                   | P7 | P8 | P9 | P9 | P10 | ;  |    |    |    |
| Read   | 1                    | 2  | 3  | 4  | 5  | 6   | 7  | 8  | 9  | 10 |
|        |                      |    |    |    |    |     |    |    |    |    |
| Answer | 1                    | 2  | 3  | 4  | 5  | 6   | 7  | 8  | 9  | 10 |
|        |                      |    |    |    |    |     |    |    |    |    |

P1 Memory Channel Number(001 ~ 117) P2 Memory Channel Frequency (Hz)  
P3 Clarifier Direction +: Plus Shift, -: Minus Shift  
Clarifier Offset: 0000 - 9999 (Hz)  
P4 0: RX CLAR "OFF" 1: RX CLAR "ON"  
P5 0: TX CLAR "OFF" 1: TX CLAR "ON"  
P6 MODE 1: LSB 2: USB 3: CW 4: FM 5: AM 6: RTTY-LSB  
7: CW-R 8: DATA-LSB 9: RTTY-USB A: ----  
B: FM-N C: DATA-USB  
P7 0: (固定値)  
P8 0: CTCSS "OFF" 1: CTCSS ENC/DEC 2: CTCSS ENC  
P9 00: (固定値)  
P10 0: Simplex 1: Plus Shift 2: Minus Shift

| MX     | MOX SET |   |    |   |   |   |   |   |   |    |
|--------|---------|---|----|---|---|---|---|---|---|----|
| Set    | 1       | 2 | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|        | M       | X | P1 | ; |   |   |   |   |   |    |
| Read   | 1       | 2 | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|        | N       | X | ;  |   |   |   |   |   |   |    |
| Answer | 1       | 2 | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|        | N       | X | P1 | ; |   |   |   |   |   |    |

P1 0: MOX "OFF"  
1: MOX "ON"

| NA     | NARROW |   |    |    |   |   |   |   |   |    |
|--------|--------|---|----|----|---|---|---|---|---|----|
| Set    | 1      | 2 | 3  | 4  | 5 | 6 | 7 | 8 | 9 | 10 |
|        | N      | A | P1 | P2 | ; |   |   |   |   |    |
| Read   | 1      | 2 | 3  | 4  | 5 | 6 | 7 | 8 | 9 | 10 |
|        | N      | A | P1 | ;  |   |   |   |   |   |    |
| Answer | 1      | 2 | 3  | 4  | 5 | 6 | 7 | 8 | 9 | 10 |
|        | N      | A | P1 | P2 | ; |   |   |   |   |    |

P1 0: (固定値)  
P2 0: OFF  
1: ON

| NB     | NOISE BLANKER STATUS |   |    |    |   |   |   |   |   |    |
|--------|----------------------|---|----|----|---|---|---|---|---|----|
| Set    | 1                    | 2 | 3  | 4  | 5 | 6 | 7 | 8 | 9 | 10 |
|        | N                    | B | P1 | P2 | ; |   |   |   |   |    |
| Read   | 1                    | 2 | 3  | 4  | 5 | 6 | 7 | 8 | 9 | 10 |
|        | N                    | B | P1 | ;  |   |   |   |   |   |    |
| Answer | 1                    | 2 | 3  | 4  | 5 | 6 | 7 | 8 | 9 | 10 |
|        | N                    | B | P1 | P2 | ; |   |   |   |   |    |

P1 0: (固定値)  
P2 0: ノイズブランカー "OFF"  
1: ノイズブランカー "ON"  
2: ノイズブランカー (Wide) "ON"

# CAT コントロールコマンドテーブル

| NL                           |    | NOISE BLANKER LEVEL |    |    |    |     |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
|------------------------------|----|---------------------|----|----|----|-----|----|----|----|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
| Set                          | 1  | 2                   | 3  | 4  | 5  | 6   | 7  | 8  | 9  | 10 | P1 0: (固定値)<br>P2 000 ~ 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                           |
|                              | N  | L                   | P1 | P2 | P2 | P2  | ;  |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| Read                         | 1  | 2                   | 3  | 4  | 5  | 6   | 7  | 8  | 9  | 10 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
|                              | N  | L                   | P1 | ;  |    |     |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| Answer                       | 1  | 2                   | 3  | 4  | 5  | 6   | 7  | 8  | 9  | 10 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
|                              | N  | L                   | P1 | P2 | P2 | P2  | ;  |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| NR NOISE REDUCTION           |    |                     |    |    |    |     |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| Set                          | 1  | 2                   | 3  | 4  | 5  | 6   | 7  | 8  | 9  | 10 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | P1 0: (固定値)<br>P2 0: ノイズリダクション "OFF"<br>1: ノイズリダクション "ON" |
|                              | N  | R                   | P1 | P2 | ;  |     |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| Read                         | 1  | 2                   | 3  | 4  | 5  | 6   | 7  | 8  | 9  | 10 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
|                              | N  | R                   | P1 | ;  |    |     |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| Answer                       | 1  | 2                   | 3  | 4  | 5  | 6   | 7  | 8  | 9  | 10 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
|                              | N  | R                   | P1 | P2 | ;  |     |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| OI OPPOSITE BAND INFORMATION |    |                     |    |    |    |     |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| Set                          | 1  | 2                   | 3  | 4  | 5  | 6   | 7  | 8  | 9  | 10 | P1 Current Memory Channel(001 ~ 117) P2 VFO-B Frequency (Hz)<br>P3 Clarifier Direction +: Plus Shift, -: Minus Shift<br>Clarifier Offset: 0000 - 9999 (Hz)<br>P4 0: RX CLAR "OFF" 1: RX CLAR "ON"<br>P5 0: TX CLAR "OFF" 1: TX CLAR "ON"<br>P6 MODE 1: LSB 2: USB 3: CW 4: FM 5: AM 6: RTTY-LSB<br>7: CW-R 8: DATA-LSB 9: RTTY-USB A: ----<br>B: FM-N C: DATA-USB<br>P7 0: VFO 1: Memory<br>P8 0: CTCSS "OFF" 1: CTCSS ENC/DEC 2: CTCSS ENC<br>P9 00: (固定値)<br>P10 0: Simplex 1: Plus Shift 2: Minus Shift |                                                           |
|                              |    |                     |    |    |    |     |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| Read                         | 1  | 2                   | 3  | 4  | 5  | 6   | 7  | 8  | 9  | 10 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
|                              | O  | I                   | ;  |    |    |     |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| Answer                       | 1  | 2                   | 3  | 4  | 5  | 6   | 7  | 8  | 9  | 10 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
|                              | O  | I                   | P1 | P1 | P1 | P2  | P2 | P2 | P2 | P2 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
|                              | 11 | 12                  | 13 | 14 | 15 | 16  | 17 | 18 | 19 | 20 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
|                              | P2 | P2                  | P2 | P3 | P3 | P3  | P3 | P3 | P4 | P5 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
|                              | 21 | 22                  | 23 | 24 | 25 | 26  | 27 | 28 | 29 | 30 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
|                              | P6 | P7                  | P8 | P9 | P9 | P10 | ;  |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| OS OFFSET (REPEATER SHIFT)   |    |                     |    |    |    |     |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| Set                          | 1  | 2                   | 3  | 4  | 5  | 6   | 7  | 8  | 9  | 10 | P1 0: (固定値)<br>P2 0: シンプレックス<br>1: プラスシフト<br>2: マイナスシフト<br>※: FM モード時のみ                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                           |
|                              | O  | S                   | P1 | P2 | ;  |     |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| Read                         | 1  | 2                   | 3  | 4  | 5  | 6   | 7  | 8  | 9  | 10 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
|                              | O  | S                   | P1 | ;  |    |     |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| Answer                       | 1  | 2                   | 3  | 4  | 5  | 6   | 7  | 8  | 9  | 10 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
|                              | O  | S                   | P1 | P2 | ;  |     |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| PA PRE-AMP (IPO)             |    |                     |    |    |    |     |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| Set                          | 1  | 2                   | 3  | 4  | 5  | 6   | 7  | 8  | 9  | 10 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | P1 0: 0: (固定値)<br>P2 0: IPO<br>1: AMP 1<br>2: AMP 2       |
|                              | P  | A                   | P1 | P2 | ;  |     |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| Read                         | 1  | 2                   | 3  | 4  | 5  | 6   | 7  | 8  | 9  | 10 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
|                              | P  | A                   | P1 | ;  |    |     |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| Answer                       | 1  | 2                   | 3  | 4  | 5  | 6   | 7  | 8  | 9  | 10 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
|                              | P  | A                   | P1 | P2 | ;  |     |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| PB PLAY BACK                 |    |                     |    |    |    |     |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| Set                          | 1  | 2                   | 3  | 4  | 5  | 6   | 7  | 8  | 9  | 10 | P1 0: (固定値) P2 0: DVS (再生停止)<br>1: DVS (CH "1" 再生)<br>2: DVS (CH "2" 再生)<br>3: DVS (CH "3" 再生)<br>4: DVS (CH "4" 再生)<br>5: DVS (CH "5" 再生)<br>※: オプションのボイスメモリユニット DVS-6 が必要です。                                                                                                                                                                                                                                                                                                                             |                                                           |
|                              | P  | B                   | P1 | P2 | ;  |     |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| Read                         | 1  | 2                   | 3  | 4  | 5  | 6   | 7  | 8  | 9  | 10 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
|                              | P  | B                   | P1 | ;  |    |     |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| Answer                       | 1  | 2                   | 3  | 4  | 5  | 6   | 7  | 8  | 9  | 10 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
|                              | P  | B                   | P1 | P2 | ;  |     |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| PC POWER CONTROL             |    |                     |    |    |    |     |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| Set                          | 1  | 2                   | 3  | 4  | 5  | 6   | 7  | 8  | 9  | 10 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | P1 005 ~ 100                                              |
|                              | P  | C                   | P1 | P1 | P1 | ;   |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| Read                         | 1  | 2                   | 3  | 4  | 5  | 6   | 7  | 8  | 9  | 10 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
|                              | P  | C                   | ;  |    |    |     |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| Answer                       | 1  | 2                   | 3  | 4  | 5  | 6   | 7  | 8  | 9  | 10 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
|                              | P  | C                   | P1 | P1 | P1 | ;   |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| PL SPEECH PROCESSOR LEVEL    |    |                     |    |    |    |     |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| Set                          | 1  | 2                   | 3  | 4  | 5  | 6   | 7  | 8  | 9  | 10 | P1 000 ~ 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                           |
|                              | P  | L                   | P1 | P1 | P1 | ;   |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| Read                         | 1  | 2                   | 3  | 4  | 5  | 6   | 7  | 8  | 9  | 10 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
|                              | P  | L                   | ;  |    |    |     |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
| Answer                       | 1  | 2                   | 3  | 4  | 5  | 6   | 7  | 8  | 9  | 10 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |
|                              | P  | L                   | P1 | P1 | P1 | ;   |    |    |    |    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                           |

# CAT コントロールコマンドテーブル

| PR SPEECH PROCESSOR |   |   |    |    |    |    |   |   |   |    |                                                                                                                                                   |
|---------------------|---|---|----|----|----|----|---|---|---|----|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Set                 | 1 | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 | P1 0:スピーチプロセッサ<br>1: MIC-EQ<br><br>P2 1: "OFF"<br>2: "ON"                                                                                         |
|                     | P | R | P1 | P2 | ;  |    |   |   |   |    |                                                                                                                                                   |
| Read                | 1 | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |                                                                                                                                                   |
|                     | P | R | P1 | ;  |    |    |   |   |   |    |                                                                                                                                                   |
| Answer              | 1 | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |                                                                                                                                                   |
|                     | P | R | P1 | P2 | ;  |    |   |   |   |    |                                                                                                                                                   |
| PS POWER SWITCH     |   |   |    |    |    |    |   |   |   |    |                                                                                                                                                   |
| Set                 | 1 | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 | P1 0: POWER "OFF"<br>1: POWER "ON"<br><br>POWER "ON" 時には、ダミーデータを送り、約 1 秒 wait した後<br>2 秒以内に POWER "ON" を送出する。                                     |
|                     | P | S | P1 | ;  |    |    |   |   |   |    |                                                                                                                                                   |
| Read                | 1 | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |                                                                                                                                                   |
|                     | P | S | ;  |    |    |    |   |   |   |    |                                                                                                                                                   |
| Answer              | 1 | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |                                                                                                                                                   |
|                     | P | S | P1 | ;  |    |    |   |   |   |    |                                                                                                                                                   |
| QI QMB STORE        |   |   |    |    |    |    |   |   |   |    |                                                                                                                                                   |
| Set                 | 1 | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |                                                                                                                                                   |
|                     | Q | I | ;  |    |    |    |   |   |   |    |                                                                                                                                                   |
| Read                | 1 | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |                                                                                                                                                   |
|                     |   |   |    |    |    |    |   |   |   |    |                                                                                                                                                   |
| Answer              | 1 | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |                                                                                                                                                   |
|                     |   |   |    |    |    |    |   |   |   |    |                                                                                                                                                   |
| QR QMB RECALL       |   |   |    |    |    |    |   |   |   |    |                                                                                                                                                   |
| Set                 | 1 | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |                                                                                                                                                   |
|                     | Q | R | ;  |    |    |    |   |   |   |    |                                                                                                                                                   |
| Read                | 1 | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |                                                                                                                                                   |
|                     |   |   |    |    |    |    |   |   |   |    |                                                                                                                                                   |
| Answer              | 1 | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |                                                                                                                                                   |
|                     |   |   |    |    |    |    |   |   |   |    |                                                                                                                                                   |
| QS QUICK SPLIT      |   |   |    |    |    |    |   |   |   |    |                                                                                                                                                   |
| Set                 | 1 | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |                                                                                                                                                   |
|                     | Q | S | ;  |    |    |    |   |   |   |    |                                                                                                                                                   |
| Read                | 1 | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |                                                                                                                                                   |
|                     |   |   |    |    |    |    |   |   |   |    |                                                                                                                                                   |
| Answer              | 1 | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |                                                                                                                                                   |
|                     |   |   |    |    |    |    |   |   |   |    |                                                                                                                                                   |
| RA RF ATTENUATOR    |   |   |    |    |    |    |   |   |   |    |                                                                                                                                                   |
| Set                 | 1 | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 | P1 0: (固定値)<br>P2 0: OFF<br>1: 6 dB<br>2: 12 dB<br>3: 18 dB                                                                                       |
|                     | R | A | P1 | P2 | ;  |    |   |   |   |    |                                                                                                                                                   |
| Read                | 1 | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |                                                                                                                                                   |
|                     | R | A | P1 | ;  |    |    |   |   |   |    |                                                                                                                                                   |
| Answer              | 1 | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |                                                                                                                                                   |
|                     | R | A | P1 | P2 | ;  |    |   |   |   |    |                                                                                                                                                   |
| RC CLAR CLEAR       |   |   |    |    |    |    |   |   |   |    |                                                                                                                                                   |
| Set                 | 1 | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |                                                                                                                                                   |
|                     | R | C | ;  |    |    |    |   |   |   |    |                                                                                                                                                   |
| Read                | 1 | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |                                                                                                                                                   |
|                     |   |   |    |    |    |    |   |   |   |    |                                                                                                                                                   |
| Answer              | 1 | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |                                                                                                                                                   |
|                     |   |   |    |    |    |    |   |   |   |    |                                                                                                                                                   |
| RD CLAR DOWN        |   |   |    |    |    |    |   |   |   |    |                                                                                                                                                   |
| Set                 | 1 | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 | P1 0000 ~ 9999 (Hz)                                                                                                                               |
|                     | R | D | P1 | P1 | P1 | P1 | ; |   |   |    |                                                                                                                                                   |
| Read                | 1 | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |                                                                                                                                                   |
|                     |   |   |    |    |    |    |   |   |   |    |                                                                                                                                                   |
| Answer              | 1 | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |                                                                                                                                                   |
|                     |   |   |    |    |    |    |   |   |   |    |                                                                                                                                                   |
| RF ROOFING FILTER   |   |   |    |    |    |    |   |   |   |    |                                                                                                                                                   |
| Set                 | 1 | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 | P1 0: (固定値) P3 1: 15 kHz<br>P2 0: AUTO 2: 6 kHz<br>1: 15 kHz 3: 3 kHz<br>2: 6 kHz 4: AUTO - 15 kHz<br>3: 3 kHz 5: AUTO - 6 kHz<br>6: AUTO - 3 kHz |
|                     | R | F | P1 | P2 | ;  |    |   |   |   |    |                                                                                                                                                   |
| Read                | 1 | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |                                                                                                                                                   |
|                     | R | F | P1 | ;  |    |    |   |   |   |    |                                                                                                                                                   |
| Answer              | 1 | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |                                                                                                                                                   |
|                     | R | F | P1 | P3 | .  |    |   |   |   |    |                                                                                                                                                   |

# CAT コントロールコマンドテーブル

| RG                          |   | RF GAIN |    |    |    |    |    |    |    |    |                                                                                                                                                                    |
|-----------------------------|---|---------|----|----|----|----|----|----|----|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Set                         | 1 | 2       | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | P1 0: (固定値)<br>P2 000 ~ 255                                                                                                                                        |
|                             | R | G       | P1 | P2 | P2 | P2 | ;  |    |    |    |                                                                                                                                                                    |
| Read                        | 1 | 2       | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |                                                                                                                                                                    |
|                             | R | G       | P1 | ;  |    |    |    |    |    |    |                                                                                                                                                                    |
| Answer                      | 1 | 2       | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |                                                                                                                                                                    |
|                             | R | G       | P1 | P2 | P2 | P2 | ;  |    |    |    |                                                                                                                                                                    |
| RI RADIO INFORMATION        |   |         |    |    |    |    |    |    |    |    |                                                                                                                                                                    |
| Set                         | 1 | 2       | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | P1 0: Hi-SWR<br>1: MIC-EQ<br>3: REC<br>4: PLAY<br>5: VFO-ATX<br>6: VFO-B TX<br>7: VFO-ARX<br>8: VFO-B-RX<br>9: μ-Tune<br>P2 0: OFF<br>1: ON                        |
|                             |   |         |    |    |    |    |    |    |    |    |                                                                                                                                                                    |
| Read                        | 1 | 2       | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |                                                                                                                                                                    |
|                             | R | I       | P1 | ;  |    |    |    |    |    |    |                                                                                                                                                                    |
| Answer                      | 1 | 2       | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |                                                                                                                                                                    |
|                             | R | I       | P1 | P2 | ;  |    |    |    |    |    |                                                                                                                                                                    |
| RL NOISE REDUCTION LEVEL    |   |         |    |    |    |    |    |    |    |    |                                                                                                                                                                    |
| Set                         | 1 | 2       | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | P1 0: (固定値)<br>P2 01 - 15                                                                                                                                          |
|                             | R | L       | P1 | P2 | P2 | ;  |    |    |    |    |                                                                                                                                                                    |
| Read                        | 1 | 2       | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |                                                                                                                                                                    |
|                             | R | L       | P1 | ;  |    |    |    |    |    |    |                                                                                                                                                                    |
| Answer                      | 1 | 2       | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |                                                                                                                                                                    |
|                             | R | L       | P1 | P2 | P2 | ;  |    |    |    |    |                                                                                                                                                                    |
| RM READ METER               |   |         |    |    |    |    |    |    |    |    |                                                                                                                                                                    |
| Set                         | 1 | 2       | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | P1 0: 選択している METER による (S/PO)<br>1: S<br>2: 選択している METER による<br>(COMP /ALC /SWR /ID /VDD)<br>3: COMP<br>4: ALC<br>P2 0 - 255<br>5: PO<br>6: SWR<br>7: ID<br>8: VDD |
|                             |   |         |    |    |    |    |    |    |    |    |                                                                                                                                                                    |
| Read                        | 1 | 2       | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |                                                                                                                                                                    |
|                             | R | M       | P1 | ;  |    |    |    |    |    |    |                                                                                                                                                                    |
| Answer                      | 1 | 2       | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |                                                                                                                                                                    |
|                             | R | M       | P1 | P2 | P2 | P2 | ;  |    |    |    |                                                                                                                                                                    |
| RO ROTATOR                  |   |         |    |    |    |    |    |    |    |    |                                                                                                                                                                    |
| Set                         | 1 | 2       | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | P1 0: OFF (回転を停止)<br>1: 左回転 (反時計方向に回転を開始)<br>2: 右回転 (時計方向に回転を開始)<br>3: SPEED 1 % DOWN<br>4: SPEED 1 % UP<br>P2 DIRECTION (0 ~ 450)<br>P3 SPEED (0 ~ 100 %)         |
|                             | R | O       | P1 | ;  |    |    |    |    |    |    |                                                                                                                                                                    |
| Read                        | 1 | 2       | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |                                                                                                                                                                    |
|                             | R | O       | ;  |    |    |    |    |    |    |    |                                                                                                                                                                    |
| Answer                      | 1 | 2       | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |                                                                                                                                                                    |
|                             | R | O       | P1 | P2 | P2 | P2 | P3 | P3 | P3 | ;  |                                                                                                                                                                    |
| RS RADIO STATUS             |   |         |    |    |    |    |    |    |    |    |                                                                                                                                                                    |
| Set                         | 1 | 2       | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | P1 0: 通常状態<br>1: メニューモード中                                                                                                                                          |
|                             |   |         |    |    |    |    |    |    |    |    |                                                                                                                                                                    |
| Read                        | 1 | 2       | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |                                                                                                                                                                    |
|                             | R | S       | ;  |    |    |    |    |    |    |    |                                                                                                                                                                    |
| Answer                      | 1 | 2       | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |                                                                                                                                                                    |
|                             | R | S       | P1 | ;  |    |    |    |    |    |    |                                                                                                                                                                    |
| RT CLAR                     |   |         |    |    |    |    |    |    |    |    |                                                                                                                                                                    |
| Set                         | 1 | 2       | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | P1 0: RX クライファイア "OFF"<br>1: RX クライファイア "ON"                                                                                                                       |
|                             | R | T       | P1 | ;  |    |    |    |    |    |    |                                                                                                                                                                    |
| Read                        | 1 | 2       | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |                                                                                                                                                                    |
|                             | R | T       | ;  |    |    |    |    |    |    |    |                                                                                                                                                                    |
| Answer                      | 1 | 2       | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |                                                                                                                                                                    |
|                             | R | T       | P1 | ;  |    |    |    |    |    |    |                                                                                                                                                                    |
| RU RX CLARIFIER PLUS OFFSET |   |         |    |    |    |    |    |    |    |    |                                                                                                                                                                    |
| Set                         | 1 | 2       | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | P1 0000 ~ 9999 (Hz)                                                                                                                                                |
|                             | R | U       | P1 | P1 | P1 | P1 | ;  |    |    |    |                                                                                                                                                                    |
| Read                        | 1 | 2       | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |                                                                                                                                                                    |
|                             |   |         |    |    |    |    |    |    |    |    |                                                                                                                                                                    |
| Answer                      | 1 | 2       | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |                                                                                                                                                                    |
|                             |   |         |    |    |    |    |    |    |    |    |                                                                                                                                                                    |
| SC SCAN                     |   |         |    |    |    |    |    |    |    |    |                                                                                                                                                                    |
| Set                         | 1 | 2       | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 | P1 0: スキャン "OFF" (スキャンを停止)<br>1: スキャン "ON" (UP 方向にスキャンを開始)<br>2: スキャン "ON" (DOWN 方向にスキャンを開始)                                                                       |
|                             | S | C       | P1 | ;  |    |    |    |    |    |    |                                                                                                                                                                    |
| Read                        | 1 | 2       | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |                                                                                                                                                                    |
|                             | S | C       | ;  |    |    |    |    |    |    |    |                                                                                                                                                                    |
| Answer                      | 1 | 2       | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |                                                                                                                                                                    |
|                             | S | C       | P1 | ;  |    |    |    |    |    |    |                                                                                                                                                                    |

# CAT コントロールコマンドテーブル

| SD     | CW BREAK-IN DELAY TIME |   |    |    |    |    |   |   |   |    |
|--------|------------------------|---|----|----|----|----|---|---|---|----|
| Set    | 1                      | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |
|        | S                      | D | P1 | P1 | P1 | P1 | ; |   |   |    |
| Read   | 1                      | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |
|        | S                      | D | ;  |    |    |    |   |   |   |    |
| Answer | 1                      | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |
|        | S                      | D | P1 | P1 | P1 | P1 | ; |   |   |    |

P1 0030 ~ 3000 msec

| SF     | SUB-DIAL FUNCTION |   |    |   |   |   |   |   |   |    |
|--------|-------------------|---|----|---|---|---|---|---|---|----|
| Set    | 1                 | 2 | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|        | S                 | F | P1 | ; |   |   |   |   |   |    |
| Read   | 1                 | 2 | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|        | S                 | F | ;  |   |   |   |   |   |   |    |
| Answer | 1                 | 2 | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|        | S                 | F | P1 | ; |   |   |   |   |   |    |

P1 1: MHz  
2: GRP  
3: MCH  
4: DIAL-B  
5: CLAR  
6: ----  
7: uTUNE

| SH     | WIDTH |   |    |    |    |   |   |   |   |    |
|--------|-------|---|----|----|----|---|---|---|---|----|
| Set    | 1     | 2 | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |
|        | S     | H | P1 | P2 | P2 | ; |   |   |   |    |
| Read   | 1     | 2 | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |
|        | S     | H | P1 | ;  |    |   |   |   |   |    |
| Answer | 1     | 2 | 3  | 4  | 5  | 6 | 7 | 8 | 9 | 10 |
|        | S     | H | P1 | P2 | P2 | ; |   |   |   |    |

P1 0: (固定値)  
P2 00 (表 5 参照)

表 5

| COMMAND | BANDWIDTH    |            |             |           |                   |                 |
|---------|--------------|------------|-------------|-----------|-------------------|-----------------|
| P2      | SSB (Narrow) | SSB (Wide) | CW (Narrow) | CW (Wide) | RTTY/PSK (Narrow) | RTTY/PSK (Wide) |
| 00      | 1500 Hz      | 2400 Hz    | 500 Hz      | 2400 Hz   | 500 Hz            | 2400 Hz         |
| 01      | 200 Hz       | —          | 50 Hz       | —         | 50 Hz             | —               |
| 02      | 400 Hz       | —          | 100 Hz      | —         | 100 Hz            | —               |
| 03      | 600 Hz       | —          | 150 Hz      | —         | 150 Hz            | —               |
| 04      | 850 Hz       | —          | 200 Hz      | —         | 200 Hz            | —               |
| 05      | 1100 Hz      | —          | 250 Hz      | —         | 250 Hz            | —               |
| 06      | 1350 Hz      | —          | 300 Hz      | —         | 300 Hz            | —               |
| 07      | 1500 Hz      | —          | 350 Hz      | —         | 350 Hz            | —               |
| 08      | 1650 Hz      | —          | 400 Hz      | —         | 400 Hz            | —               |
| 09      | 1800 Hz      | 1800 Hz    | 450 Hz      | —         | 450 Hz            | —               |
| 10      | —            | 1950 Hz    | 500 Hz      | 500 Hz    | 500 Hz            | 500 Hz          |
| 11      | —            | 2100 Hz    | —           | 800 Hz    | —                 | 800 Hz          |
| 12      | —            | 2200 Hz    | —           | 1200 Hz   | —                 | 1200 Hz         |
| 13      | —            | 2300 Hz    | —           | 1400 Hz   | —                 | 1400 Hz         |
| 14      | —            | 2400 Hz    | —           | 1700 Hz   | —                 | 1700 Hz         |
| 15      | —            | 2500 Hz    | —           | 2000 Hz   | —                 | 2000 Hz         |
| 16      | —            | 2600 Hz    | —           | 2400 Hz   | —                 | 2400 Hz         |
| 17      | —            | 2700 Hz    | —           | —         | —                 | —               |
| 18      | —            | 2800 Hz    | —           | —         | —                 | —               |
| 19      | —            | 2900 Hz    | —           | —         | —                 | —               |
| 20      | —            | 3000 Hz    | —           | —         | —                 | —               |
| 21      | —            | 3200 Hz    | —           | —         | —                 | —               |
| 22      | —            | 3400 Hz    | —           | —         | —                 | —               |
| 23      | —            | 3600 Hz    | —           | —         | —                 | —               |
| 24      | —            | 3800 Hz    | —           | —         | —                 | —               |
| 25      | —            | 4000 Hz    | —           | —         | —                 | —               |

| SM     | S-METER READING |   |    |    |    |    |   |   |   |    |
|--------|-----------------|---|----|----|----|----|---|---|---|----|
| Set    | 1               | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |
|        | S               | M | P1 | ;  |    |    |   |   |   |    |
| Read   | 1               | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |
|        | S               | M | P1 | ;  |    |    |   |   |   |    |
| Answer | 1               | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |
|        | S               | M | P1 | P2 | P2 | P2 | ; |   |   |    |

P1 0: (固定値)  
P2 000 ~ 255

| SQ     | SQUELCLH LEVEL |   |    |    |    |    |   |   |   |    |
|--------|----------------|---|----|----|----|----|---|---|---|----|
| Set    | 1              | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |
|        | S              | Q | P1 | P2 | P2 | P2 | ; |   |   |    |
| Read   | 1              | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |
|        | S              | Q | P1 | ;  |    |    |   |   |   |    |
| Answer | 1              | 2 | 3  | 4  | 5  | 6  | 7 | 8 | 9 | 10 |
|        | S              | Q | P1 | P2 | P2 | P2 | ; |   |   |    |

P1 0: (固定値)  
P2 000 ~ 255

| SV     | SWAP VFO |   |   |   |   |   |   |   |   |    |
|--------|----------|---|---|---|---|---|---|---|---|----|
| Set    | 1        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|        | S        | V | ; |   |   |   |   |   |   |    |
| Read   | 1        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|        |          |   |   |   |   |   |   |   |   |    |
| Answer | 1        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|        |          |   |   |   |   |   |   |   |   |    |

# CAT コントロールコマンドテーブル

| TS                                                                                                                                                                       |  | TXW                     |   |    |    |    |    |    |    |   |    |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------|---|----|----|----|----|----|----|---|----|
| Set                                                                                                                                                                      |  | 1                       | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9 | 10 |
|                                                                                                                                                                          |  | T                       | S | P1 | ;  |    |    |    |    |   |    |
| Read                                                                                                                                                                     |  | 1                       | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9 | 10 |
|                                                                                                                                                                          |  | T                       | S | ;  |    |    |    |    |    |   |    |
| Answer                                                                                                                                                                   |  | 1                       | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9 | 10 |
|                                                                                                                                                                          |  | T                       | S | P1 | ;  |    |    |    |    |   |    |
| P1 0: TXW "OFF"<br>1: TXW "ON"                                                                                                                                           |  |                         |   |    |    |    |    |    |    |   |    |
| TX                                                                                                                                                                       |  | TX SET                  |   |    |    |    |    |    |    |   |    |
| Set                                                                                                                                                                      |  | 1                       | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9 | 10 |
|                                                                                                                                                                          |  | T                       | X | P1 | ;  |    |    |    |    |   |    |
| Read                                                                                                                                                                     |  | 1                       | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9 | 10 |
|                                                                                                                                                                          |  | T                       | X | ;  |    |    |    |    |    |   |    |
| Answer                                                                                                                                                                   |  | 1                       | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9 | 10 |
|                                                                                                                                                                          |  | T                       | X | P1 | ;  |    |    |    |    |   |    |
| P1 0: RADIO TX "OFF"<br>1: RADIO TX "OFF"<br>2: RADIO TX "ON"<br><br>CAT TX "OFF"<br>CAT TX "ON"<br>CAT TX "OFF" (応答)                                                    |  |                         |   |    |    |    |    |    |    |   |    |
| UL                                                                                                                                                                       |  | PLL UNLOCK STATUS       |   |    |    |    |    |    |    |   |    |
| Set                                                                                                                                                                      |  | 1                       | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9 | 10 |
|                                                                                                                                                                          |  |                         |   |    |    |    |    |    |    |   |    |
| Read                                                                                                                                                                     |  | 1                       | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9 | 10 |
|                                                                                                                                                                          |  | U                       | L | ;  |    |    |    |    |    |   |    |
| Answer                                                                                                                                                                   |  | 1                       | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9 | 10 |
|                                                                                                                                                                          |  | U                       | L | P1 | ;  |    |    |    |    |   |    |
| P1 0: PLL "Lock"<br>1: PLL "Unlock"                                                                                                                                      |  |                         |   |    |    |    |    |    |    |   |    |
| UP                                                                                                                                                                       |  | UP                      |   |    |    |    |    |    |    |   |    |
| Set                                                                                                                                                                      |  | 1                       | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9 | 10 |
|                                                                                                                                                                          |  | U                       | P | ;  |    |    |    |    |    |   |    |
| Read                                                                                                                                                                     |  | 1                       | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9 | 10 |
|                                                                                                                                                                          |  |                         |   |    |    |    |    |    |    |   |    |
| Answer                                                                                                                                                                   |  | 1                       | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9 | 10 |
|                                                                                                                                                                          |  |                         |   |    |    |    |    |    |    |   |    |
| マイクロホンのアップスイッチの動作                                                                                                                                                        |  |                         |   |    |    |    |    |    |    |   |    |
| VD                                                                                                                                                                       |  | VOX DELAY TIME          |   |    |    |    |    |    |    |   |    |
| Set                                                                                                                                                                      |  | 1                       | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9 | 10 |
|                                                                                                                                                                          |  | V                       | D | P1 | P1 | P1 | P1 | ;  |    |   |    |
| Read                                                                                                                                                                     |  | 1                       | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9 | 10 |
|                                                                                                                                                                          |  | V                       | D | ;  |    |    |    |    |    |   |    |
| Answer                                                                                                                                                                   |  | 1                       | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9 | 10 |
|                                                                                                                                                                          |  | V                       | D | P1 | P1 | P1 | P1 | ;  |    |   |    |
| P1 0030 ~ 3000 msec (10 msec ステップ)<br><br>メニューモードの 180 VOX SELECT を "MIC" に設定している場合にはメニューモードの 182 VOX DELAY が、"DATA" に設定している場合には、メニューモードの 80 DATA VOX DELAY の設定値が変更されます。 |  |                         |   |    |    |    |    |    |    |   |    |
| VF                                                                                                                                                                       |  | VRF FILTER              |   |    |    |    |    |    |    |   |    |
| Set                                                                                                                                                                      |  | 1                       | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9 | 10 |
|                                                                                                                                                                          |  | V                       | F | P1 | P2 | P3 | P4 | ;  |    |   |    |
| Read                                                                                                                                                                     |  | 1                       | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9 | 10 |
|                                                                                                                                                                          |  | V                       | F | P1 | ;  |    |    |    |    |   |    |
| Answer                                                                                                                                                                   |  | 1                       | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9 | 10 |
|                                                                                                                                                                          |  | V                       | F | P1 | P2 | P5 | P5 | P5 | P6 | ; |    |
| P1 0: (固定値)<br>P2 0: OFF<br>1: ON<br>2: Default set<br>P3 +: Plus Shift<br>-: Minus Shift<br><br>P4 0 ~ 9<br>P5 000 ~ 255<br>P6 1: μTUNE                                 |  |                         |   |    |    |    |    |    |    |   |    |
| VG                                                                                                                                                                       |  | VOX GAIN                |   |    |    |    |    |    |    |   |    |
| Set                                                                                                                                                                      |  | 1                       | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9 | 10 |
|                                                                                                                                                                          |  | V                       | G | P1 | P1 | P1 | ;  |    |    |   |    |
| Read                                                                                                                                                                     |  | 1                       | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9 | 10 |
|                                                                                                                                                                          |  | V                       | G | ;  |    |    |    |    |    |   |    |
| Answer                                                                                                                                                                   |  | 1                       | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9 | 10 |
|                                                                                                                                                                          |  | V                       | G | P1 | P1 | P1 | ;  |    |    |   |    |
| P1 000 ~ 100                                                                                                                                                             |  |                         |   |    |    |    |    |    |    |   |    |
| VM                                                                                                                                                                       |  | VFO-A TO MEMORY CHANNEL |   |    |    |    |    |    |    |   |    |
| Set                                                                                                                                                                      |  | 1                       | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9 | 10 |
|                                                                                                                                                                          |  | V                       | M | ;  |    |    |    |    |    |   |    |
| Read                                                                                                                                                                     |  | 1                       | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9 | 10 |
|                                                                                                                                                                          |  |                         |   |    |    |    |    |    |    |   |    |
| Answer                                                                                                                                                                   |  | 1                       | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9 | 10 |
|                                                                                                                                                                          |  |                         |   |    |    |    |    |    |    |   |    |
| VS                                                                                                                                                                       |  | VFO SELECT              |   |    |    |    |    |    |    |   |    |
| Set                                                                                                                                                                      |  | 1                       | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9 | 10 |
|                                                                                                                                                                          |  | V                       | S | P1 | ;  |    |    |    |    |   |    |
| Read                                                                                                                                                                     |  | 1                       | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9 | 10 |
|                                                                                                                                                                          |  | V                       | S | ;  |    |    |    |    |    |   |    |
| Answer                                                                                                                                                                   |  | 1                       | 2 | 3  | 4  | 5  | 6  | 7  | 8  | 9 | 10 |
|                                                                                                                                                                          |  | V                       | S | P1 | ;  |    |    |    |    |   |    |
| P1 0: VFO-A<br>1: VFO-B                                                                                                                                                  |  |                         |   |    |    |    |    |    |    |   |    |

# CAT コントロールコマンドテーブル

| <b>VX</b>                      | <b>VOX STATUS</b> |          |    |   |   |   |   |   |   |    |
|--------------------------------|-------------------|----------|----|---|---|---|---|---|---|----|
| Set                            | 1                 | 2        | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|                                | <b>V</b>          | <b>X</b> | P1 | ; |   |   |   |   |   |    |
| Read                           | 1                 | 2        | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|                                | <b>V</b>          | <b>X</b> | ;  |   |   |   |   |   |   |    |
| Answer                         | 1                 | 2        | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|                                | <b>V</b>          | <b>X</b> | P1 | ; |   |   |   |   |   |    |
| P1 0: VOX "OFF"<br>1: VOX "ON" |                   |          |    |   |   |   |   |   |   |    |

| <b>XT</b>                              | <b>TX CLAR</b> |          |    |   |   |   |   |   |   |    |
|----------------------------------------|----------------|----------|----|---|---|---|---|---|---|----|
| Set                                    | 1              | 2        | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|                                        | <b>X</b>       | <b>T</b> | P1 | ; |   |   |   |   |   |    |
| Read                                   | 1              | 2        | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|                                        | <b>X</b>       | <b>T</b> | ;  |   |   |   |   |   |   |    |
| Answer                                 | 1              | 2        | 3  | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|                                        | <b>X</b>       | <b>T</b> | P1 | ; |   |   |   |   |   |    |
| P1 0: TX CLAR "OFF"<br>1: TX CLAR "ON" |                |          |    |   |   |   |   |   |   |    |

| <b>ZI</b>                       | <b>ZERO IN</b> |          |   |   |   |   |   |   |   |    |
|---------------------------------|----------------|----------|---|---|---|---|---|---|---|----|
| Set                             | 1              | 2        | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|                                 | <b>Z</b>       | <b>I</b> | ; |   |   |   |   |   |   |    |
| Read                            | 1              | 2        | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|                                 |                |          |   |   |   |   |   |   |   |    |
| Answer                          | 1              | 2        | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|                                 |                |          |   |   |   |   |   |   |   |    |
| ※: オプションの FFT ユニット FFT-1 が必要です。 |                |          |   |   |   |   |   |   |   |    |

