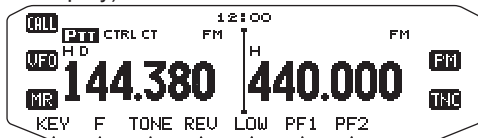# CONTINUOUS TONE CODED SQUELCH SYSTEM (CTCSS)

You may sometimes want to hear calls only from specific persons. The Continuous Tone Coded Squelch System (CTCSS) allows you to ignore (not hear) unwanted calls from other persons who are using the same frequency. To do so, select the same CTCSS tone as selected by the other persons in your group. A CTCSS tone is subaudible and is selectable from among 42 tone frequencies.
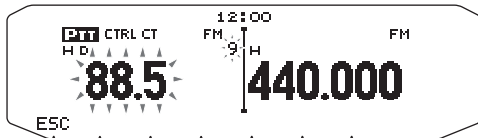
> **Note:** CTCSS does not cause your conversation to be private. It only relieves you from listening to unwanted conversations.
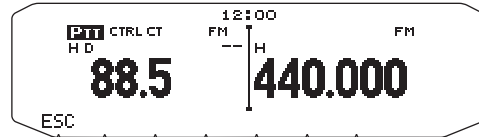
USING CTCSS

1 Select your desired band.

2 Press **[TONE]** 2 times to activate the CTCSS function.
- The CT icon appears on the display when the CTCSS function is ON.
- Each press of **[TONE]** changes the selection as follows: Tone (⊞) –> CTCSS (CT) –> DCS (DCS) –> Off (no display).

3 Press **[F], [T.SEL]**.
- The current CTCSS frequency appears on the display and blinks.

4 Rotate the **Tuning** control to select your desired CTCSS frequency.
- Refer to the table below for the available frequencies.
- To exit the CTCSS frequency selection, press **[ESC]**.

5 Press any key other than the **Tuning** control and **[ESC]** to complete the setting.

6 *When you are called:* The transceiver squelch opens only when the selected CTCSS tone is received.
When you make a call: Press and hold **[PTT]**, then speak into the microphone.
- To cancel CTCSS, press **[TONE]** until CT no longer appears on the display.

You can also select a CTCSS frequency by using the microphone:

1 Select your desired band.

2 Press **[TONE]** 2 times to activate the CTCSS function.
- The CT icon appears on the display when the CTCSS function is ON.
- Each press of **[TONE]** changes the selection as follows: Tone (⊞) –> CTCSS (CT) –> DCS (DCS) –> Off (no display).

3 Press **[F], [T.SEL]**.
- The current CTCSS frequency appears on the display and blinks.

4 Press the key programmed as **[ENTER]**.

5 Enter a frequency reference number (01 ~ 42) using the microphone keypad.
- Refer to the table below for frequencies and their reference numbers.

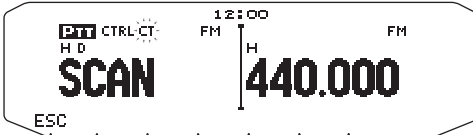| No.	Frequency (Hz)	No.	Frequency (Hz)	No.	Frequency (Hz)
01	67.0	16	110.9	31	186.2
02	69.3	17	114.8	32	192.8
03	71.9	18	118.8	33	203.5
04	74.4	19	123.0	34	206.5
05	77.0	20	127.3	35	210.7
06	79.7	21	131.8	36	218.1
07	82.5	22	136.5	37	225.7
08	85.4	23	141.3	38	229.1
09	88.5	24	146.2	39	233.6
10	91.5	25	151.4	40	241.8
11	94.8	26	156.7	41	250.3
12	97.4	27	162.2	42	254.1
13	100.0	28	167.9		
14	103.5	29	173.8		
15	107.2	30	179.9		

CTCSS FREQUENCY ID

This function scans through all CTCSS frequencies to identify the incoming CTCSS frequency on a received signal. You may find this useful when you cannot recall the CTCSS frequency that the other persons in your group are using.

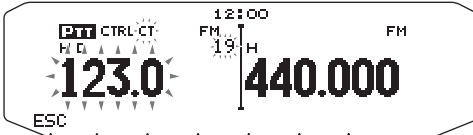**1**   Press **[TONE]** 2 times to activate the CTCSS function.

- The CT icon appears on the display when the CTCSS function is ON.
- Each press of **[TONE]** changes the selection as follows: Tone (⊞) –> CTCSS (CT) –> DCS (DCS) –> Off (no display).

2   Press **[F], [T.SEL] (1s)**.

- The CT icon blinks and "SCAN" appears on the display.
- Scan starts when a signal is received.

- To reverse the scan direction, turn the **Tuning** control clockwise (upward scan) or counterclockwise (downward scan). You can also press microphone **[UP]**/ **[DWN]**.
- To quit the scan, press **[ESC]**.
- When a CTCSS frequency is identified, the identified frequency appears on the display and blinks.

3   Press the **Tuning** control to program the identified frequency in place of the currently set CTCSS frequency.

- The CTCSS function will remain ON. To cancel CTCSS, press **[TONE]** until CT no longer appears on the display.
- Press **[ESC]** if you do not want to program the identified frequency.
- Rotate the **Tuning** control while an identified frequency is blinking, to resume scanning.