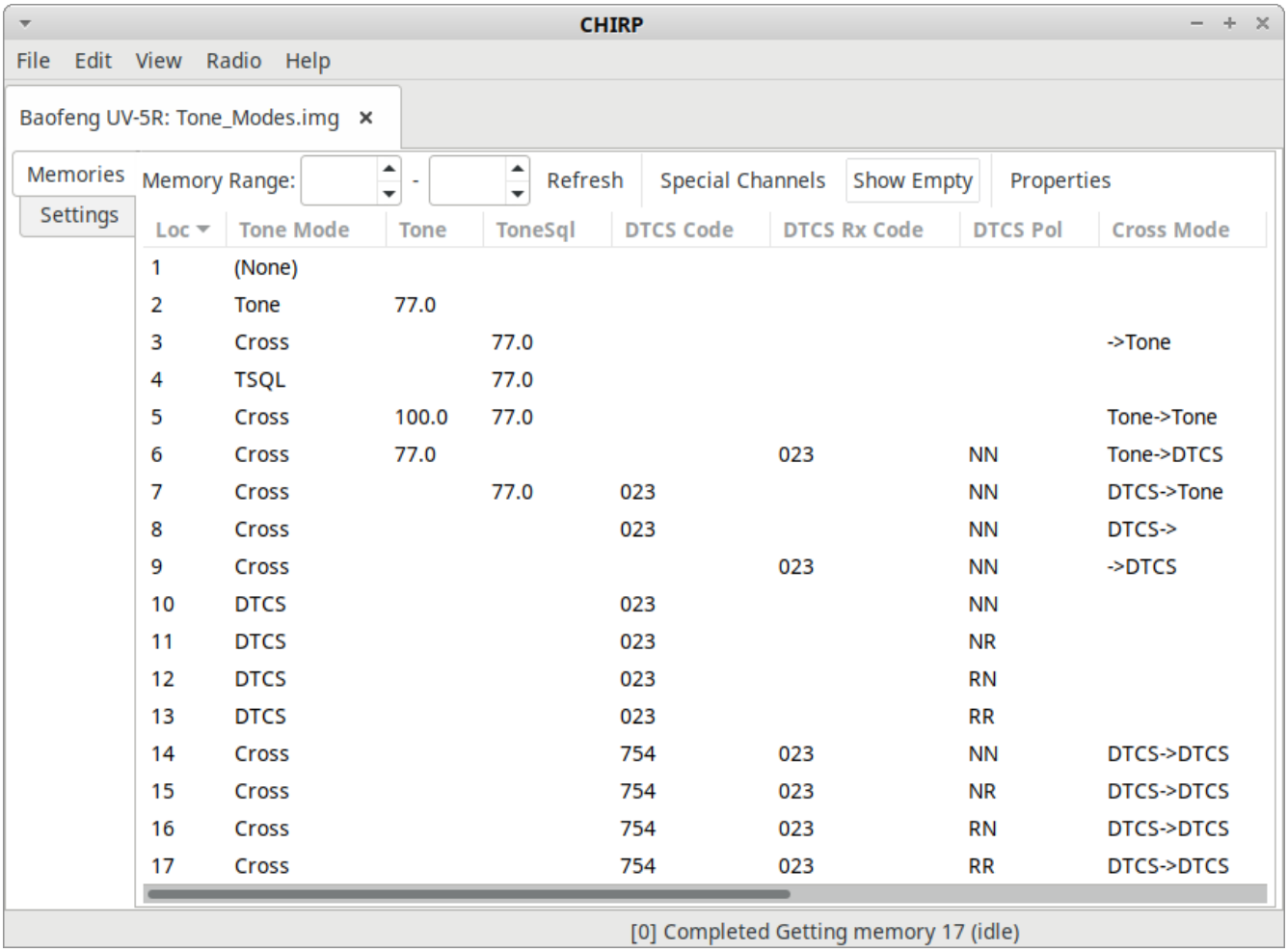
CHIRP Tone Programming Examples

The screen shot of CHIRP below contains an example of 17 memory locations with memory editor column settings for various CTCSS and DCS modes. The list below the screen shot contains descriptions of the modes and corresponding CHIRP location number.



Loc	Tone Mode	Tone	ToneSql	DTCS Code	DTCS Rx Code	DTCS Pol	Cross Mode
1	(None)						
2	Tone	77.0					
3	Cross		77.0				->Tone
4	TSQL		77.0				
5	Cross	100.0	77.0				Tone->Tone
6	Cross	77.0			023	NN	Tone->DTCS
7	Cross		77.0	023		NN	DTCS->Tone
8	Cross			023		NN	DTCS->
9	Cross				023	NN	->DTCS
10	DTCS			023		NN	
11	DTCS			023		NR	
12	DTCS			023		RN	
13	DTCS			023		RR	
14	Cross			754	023	NN	DTCS->DTCS
15	Cross			754	023	NR	DTCS->DTCS
16	Cross			754	023	RN	DTCS->DTCS
17	Cross			754	023	RR	DTCS->DTCS

Loc	Description
1	Transmit CSQ - Receive CSQ
2	Transmit CTCSS - Receive CSQ
3	Transmit CSQ - Receive CTCSS
4	Transmit and receive the same CTCSS tone
5	Transmit and receive different CTCSS tones
6	Transmit CTCSS - Receive DCS
7	Transmit DCS - Receive CTCSS
8	Transmit DCS - Receive CSQ
9	Transmit CSQ - Receive DCS

10 Transmit and receive the same DCS code - both normal polarity
11 Transmit and receive the same DCS code - tx normal polarity rx reverse polarity
12 Transmit and receive the same DCS code - tx reverse polarity rx normal polarity
13 Transmit and receive the same DCS code - both reverse polarity
14 Transmit and receive different DCS codes - both normal polarity
15 Transmit and receive different DCS codes - tx normal polarity rx reverse polarity
16 Transmit and receive different DCS codes - tx reverse polarity rx normal polarity
17 Transmit and receive different DCS codes - both reverse polarity

Notes

- Not all radio models are capable of all tone modes listed above.
- CSQ is carrier squelch (no tones used).
- CDCSS - Continuous Digital Coded Squelch System. Also known as Digital Code Squelch (DCS), and Digital Private Line (DPL). In CHIRP it is called ***DTCS***.
- CDCSS codes can be normal polarity (N) or inverted polarity (I). In CHIRP inverted polarity is called ***reverse polarity (R)***.
- CTCSS - Continuous Tone Controlled Squelch System. Also known by various trade names such as Private Line (PL), Channel Guard and Quiet Channel. In CHIRP it is called ***Tone*** for transmit and ***TSQL*** for receive.
- Using different CTCSS tones or DCS codes on receive and transmit is commonly known as *split tones*. In CHIRP it is called ***Cross Mode***.

For more information see the CHIRP Memory Editor Columns page at:
http://chirp.danplanet.com/projects/chirp/wiki/MemoryEditorColumns

CHIRP home page: http://chirp.danplanet.com