

## Transmit Eprom Contents

**Identification:** *TX BETA 1* - Type 27128

Transmit audio waveform shaping is generated by a look-up table contained in eprom U15. The waveform is designed to compensate for the frequency and phase response of the entire channel, which is mainly determined by the DISTANT receiver.

The characteristics in this eprom have been created from data supplied by several people in their capacity as the original "beta-testers" for the modem project. There are 16 characteristics in the rom.

### Jumper Settings

JMP1-4 should be ON a-b or OFF. (They must NEVER be ON b-c with this eprom).

JMP8 should be OFF. (PCB Issue 3 onwards)

N	JMP 4	JMP 3	JMP 2	JMP 1	Radio	Source	@	BBS	Name
0	ON	ON	ON	ON	<b>Audio Loopback</b>				
1	ON	ON	ON	OFF	Trio/Ken TR2300	G4KCM	@	GB7KCM	Clive
2	ON	ON	OFF	ON	Trio/Ken TR8300	G3TQA	@	GB7YAX	Allan
3	ON	ON	OFF	OFF	Trio/Ken TS700	ON6UG			Freddy
4	ON	OFF	ON	ON	Icom IC451E	ON6UG			Freddy
5	ON	OFF	ON	OFF	Pye EUROPA	G4MEM	@	GB7DXX	Mark
6	ON	OFF	OFF	ON	Pye F460	G8IMB	@	GB7IMB	Martin
7	ON	OFF	OFF	OFF	Pye R461	G3TQA	@	GB7YAX	Allan
8	OFF	ON	ON	ON	Mobira 325	G4KCM	@	GB7KCM	Clive
9	OFF	ON	ON	OFF	Tait TAIT500	G4NVS	@	GB7HXA	Phil
** 10	OFF	ON	OFF	ON	Salora 4624204	OZ6BL			Bent
11	OFF	ON	OFF	OFF	Storno CQM700	OZ6BL			Bent
12	OFF	OFF	ON	ON	Storno CQM663	PE0MAR	@	GB7LDI	Mar
13	OFF	OFF	ON	OFF	Home-brew	G4FPV	@	GB7TCM	Steve
14	OFF	OFF	OFF	ON	Home-brew	G8ADH	@	GB7TCM	Graham
15	OFF	OFF	OFF	OFF	CIRKIT 23cm kit	G3RUH	@	GB7DDX	James

\*\* For UoSAT/KitSAT etc 9600 baud satellites - use N = 10

Do not be dismayed if "your" radio doesn't appear in this list. FM radios are very similar in performance, and one selection (often N=10 or N=12) will be found to be suitable.

For further information refer to modem documentation booklet.

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