

Tuning Procedures

1. Attach 12.0 Vdc power supply
2. Using a Modulation Meter, adjust VR6 until proper modulation is displayed.
3. Using a Frequency Counter, Adjust VR7 until proper frequency is displayed.
4. Repeat steps 2 and 3
5. Using a Spectrum analyzer and a short-range pick-up antenna, look for 75MHz signal with sufficient scan width to see 30-150 MHz spurious.
6. Adjust T1, T2, T3, T4, and T5 for maximum output at operating frequency and minimum output at any harmonics.
7. Repeat step 6.
8. Check for minimum emissions from 30 to 760 MHz.

Inspection Specifications

Frequency:	UP 1K +/- 500Hz
Modulation:	NEG. 2.8K +/- .2K
RF Power:	300 +/- 50mW
Frame Time:	18~22mS

Chapter 1 Specifications and Tuning

Specifications 75MHz

Frequency:	MHz 75.41 to 75.99
Output Impedance:	Telescopic Whip Antenna
RF Output Power:	300mW +/- 50mW
Modulation:	2.8k FM
Spurious Power Up to:	50dB
RF Band Width:	@10KHz = -60dB
No. Of Channels:	3
Pulse Space @ Neutral:	1.5 m/sec
Frame Time:	20m/sec +/- 2m/sec
Pulse Width:	200μ/sec
Operation Power Supply Voltage:	9.0V~13.5V
Current Drain:	130mA +/- 20%
Operating Temperature:	-4°F (-20°C) to 140°F (60°C)

Control Range: Units = μ/sec error margin +/- .05

Function		CH 1	CH 2	CH 3
Stick (+/- 50)	Upper	1.9	1.9	1.9
	Normal	1.5	1.5	
	Lower	1.1	1.1	1.1
Trim		30%	30%	
Dual Rate		75%(+/- 10%)		