

SCAT-1 Transmitter FCC Certification Frequency Stability Test Per 47CFR 2.1055			
Transmitter Ser Number:	28	Date:	13 July 1999
Transmitter Output Frequency:	115.0 MHz	Transmission Rate:	16 Packets / Second
Ambient Temperature Degrees C	Frequency Error Hz	Frequency Error Limit (+ \ -) Hz	
-30	+40	230	Note: The frequency error limit is based on the requirement of plus or minus 2 parts per million. (47CFR 87.133)
-20	+23	230	
-10	+17	230	
0	+15	230	
10	+18	230	
20	+19	230	The frequency error is observed using HP Vector Signal Analyzer HP89410A/HP89430A.
30	+26	230	
40	+44	230	
50	+66	230	
Power Supply Voltages 85% (@ +20 deg C)	+3	230	
23.8 VDC			Note: +5.0 VDC is the minimum allowable +5 Volt power supply voltage.
12.75 VDC			
5.0 VDC			
-10.2 VDC			
Power Supply Voltages 115% (@ +20 deg C)	+19	230	
32.2 VDC			
17.25 VDC			
5.75 VDC			
-13.8 VDC			
Test Performed By:	Scott Kennett	Date:	13 July 1999