

1. Frequency Stability

Frequency stability of the equipment versus temperature and power supply change was tested pursuant to FCC Part 2.1055. Measurement was conducted in CDMA transmitting mode without modulation on the carrier frequency. A CSZ Dimension Series 60 Chamber was used to stabilize a specific temperature and HP 8595E spectrum analyzer was used to monitor frequency stability

Product	Part Number	Serial Number
RCOM100 Satellite User Terminal	453-8050B	805003

Test Equipment

Equipment	Serial Number	Cal Date	Cal Due
Leader DC Power Supply	X06259	June 27, 2002	June 27, 2003
HP 8595E Spectrum Analyzer	X69182	June 08, 2002	June 08, 2003

	CDMA Transmitter Carrier Frequency Deviation (ppm)		
Temperature (C)	10.2V	12.0V	13.8V
-30	-0.85	-1.22	0.7
-20	0.44	-1.45	0.44
-10	0.77	-1.24	1.06
0	0.85	-0.44	0.88
10	-1.24	-0.23	0.58
20	-0.77	-1.12	0.331
30	-0.44	-0.98	0.71
40	-0.73	-1.14	0.55
50	-1.14	-0.22	-1.32
60	-1.25	-1.13	-1.52

