

**FCC Part 2.1055**

Frequency Stability vs. Voltage Variation

Model AN  
Serial No. 026

Test Date: 3/30/01  
Location: Hollister, Site D

**Test Equipment:**

<u>Description</u>	<u>Model</u>	<u>Cal Date</u>	<u>Cal Due</u>	<u>Asset No.</u>
Cable, HF	ghz#5	5/9/00	5/9/01	0
Spectrum Analyzer	HP-8564E	12/12/01	12/12/01	1401
AC Transformer	Powerstat 126	NCR	NCR	435
True RMS DVM	Fluke 87	11/9/00	11/9/01	1477

**Test Conditions:**

The device was placed in continuous transmit mode and an Andrews Helix shielded RF cable was connected directly to the Transmit port connector of the device and the other end to the HP-8564E spectrum analyzer RF input port. The device power supply was plugged into a variable AC transformer and a Digital Voltmeter monitored the AC input voltage to the device power supply. The voltage was varied from 85% to 115% of the nominal value of 120vac. The fundamental frequency was monitored on the spectrum analyzer.

Temp: 20-deg  
Centigrade

**Results:**

Channel - Freq. (MHz)	102vac	120vac	138vac
Low - 2506	2506.001500	2506.001500	2506.001300
Mid - 2596	2596.001500	2596.001500	2596.001200
High - 2680	2680.001300	2680.001500	2680.000800