SUBMITTED MEASURED DATA INDEX

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RF POWER Output Data

The input supply to transmitter was set at 3.6 Volts DC. The RF power output was measured with the indicated voltage and current applied into the final RF amplifying device.

The values measured for RF Output, DC Current and RF Input Power are all average values which reflect a 100% transmit duty cycle in CDMA operation.

Measured RF Output:	0.27 Watts
Measured DC Voltage:	3.6 Volts
Measured DC Current:	590 mA
Measured RF Input:	0.63 mW

Effective Isotropic Radiated Power

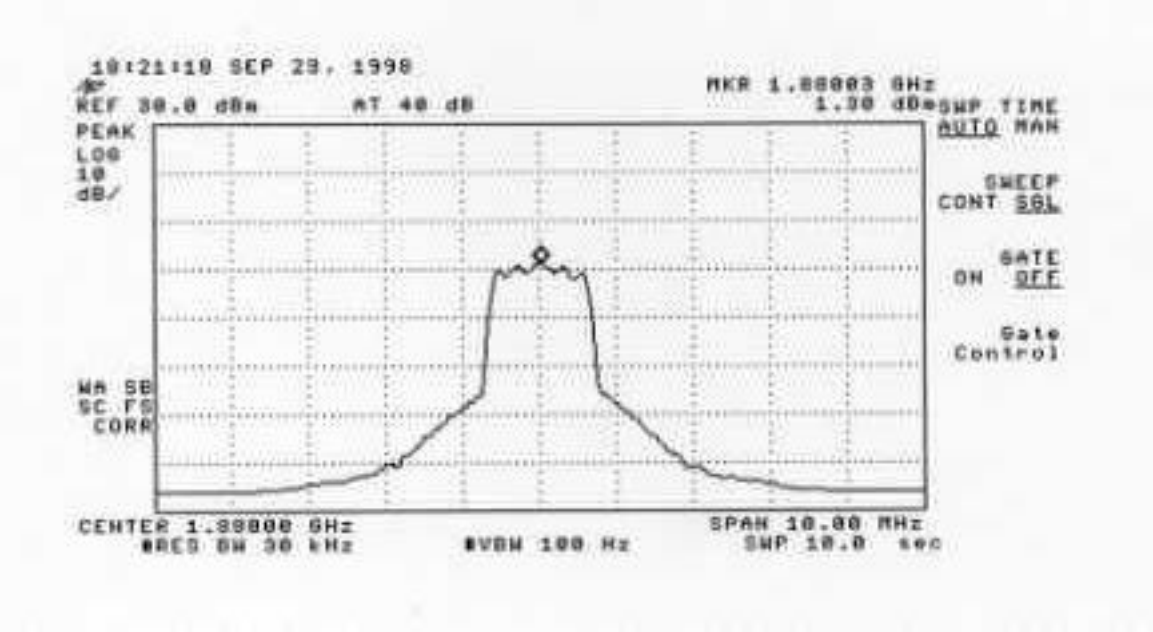
Since the unit is intended for use with a provided antenna (and “non-standard” RF connector), EIRP is measured. The antenna substitution method was used. The result indicated is the maximum EIRP found over the channels and radio orientations tested. The maximum was found at the high channel with the antenna in the extended position.

Maximum Effective Isotropic Radiated Power: 25.6 dBm (0.36 W)

Bandwidth Measurement Data for Transmitter Types F9W (CDMA)

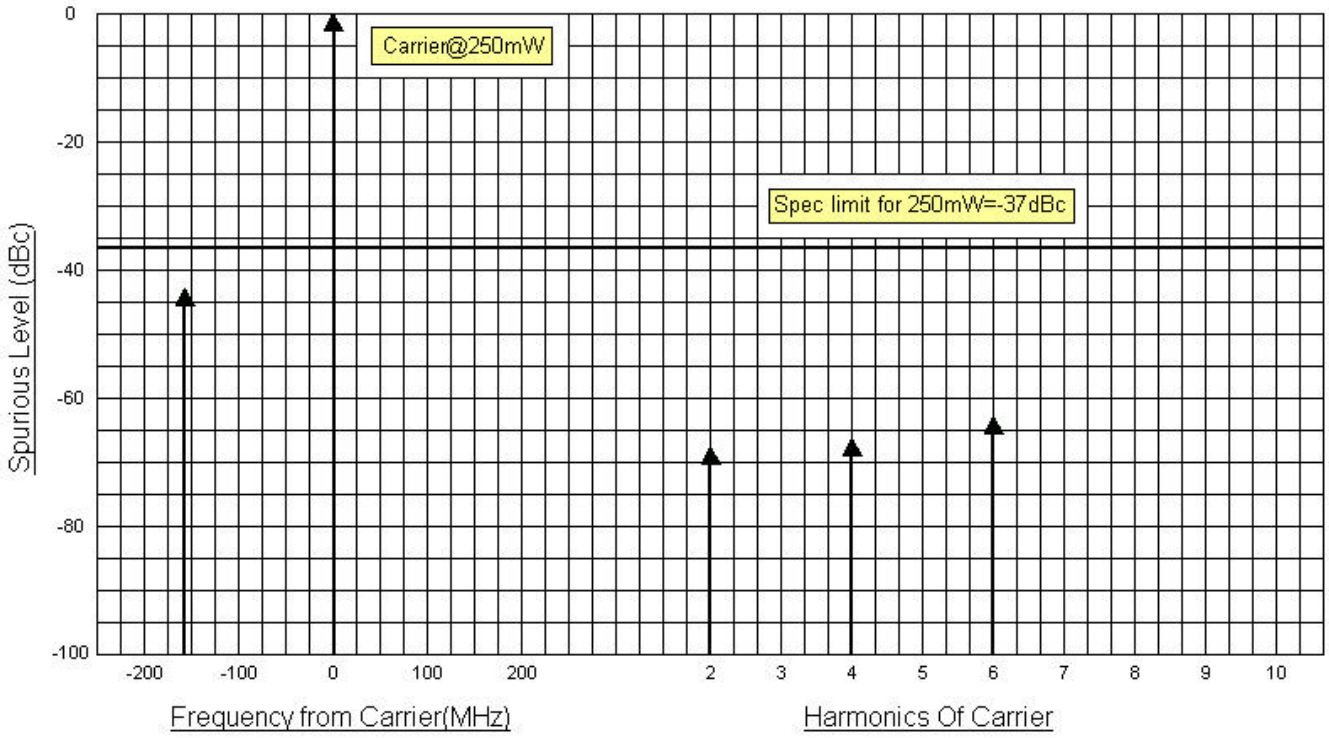
Deviation of the Carrier with OQPSK Modulation
Horizontal Scale = 1 MHz / Division
Vertical Scale = 10dB / Division (Attenuation)
Resolution Bandwidth = 30 kHz
Power Level = 0.250 W (Average Power in Transmitter)

Measured Data:
Modulate the transmitter with OQPSK modulation, using pseudo random data.
Obtain image on spectrum analyzer.



Comments:
Modulation products in a bandwidth of 30 kHz centered ±1.25 MHz from the channel center frequency shall be at least 42 dB below the mean output power level.

Conducted Spurious and Harmonic Emissions – Graph

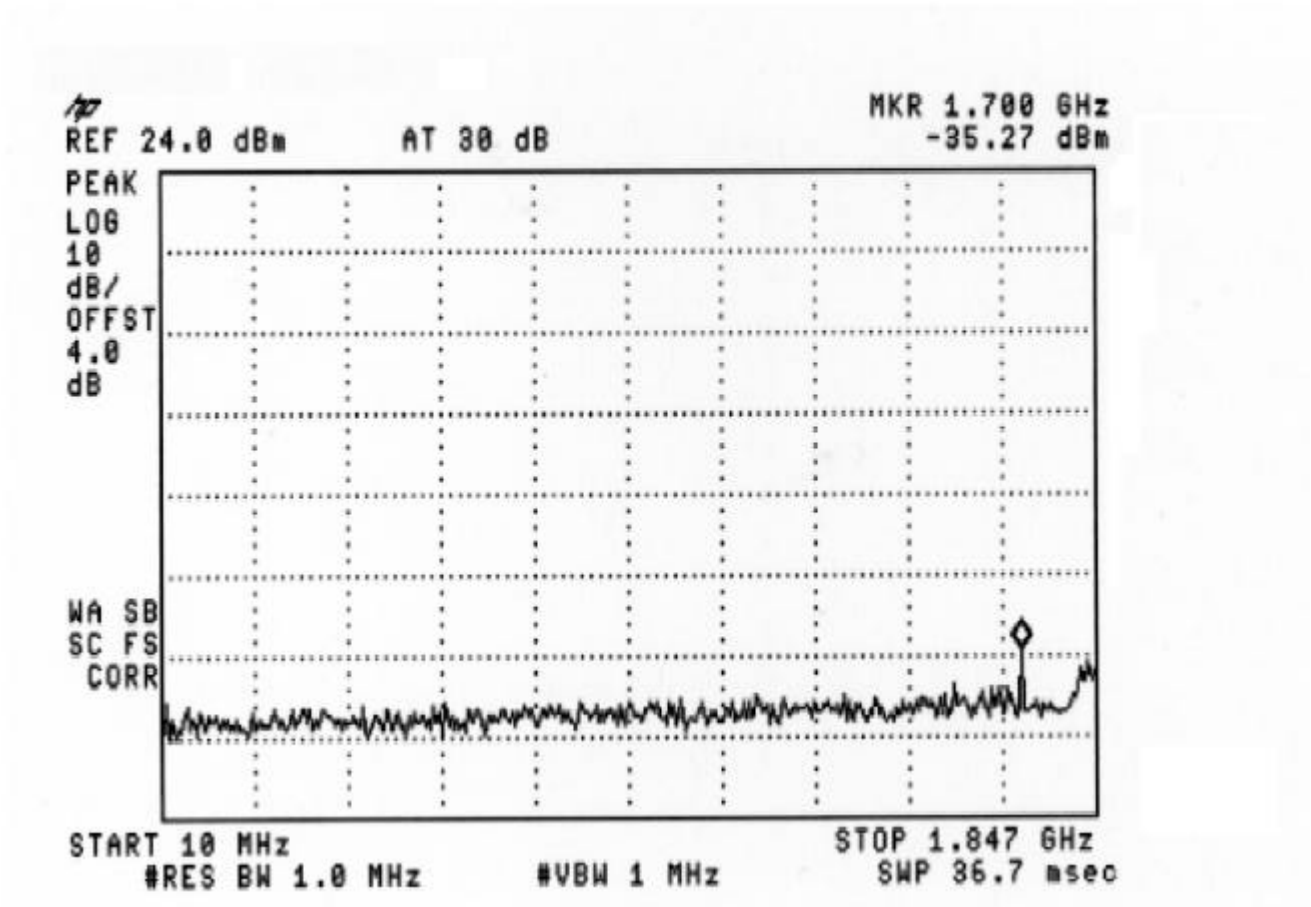


Transmitter Conducted Spurious Emissions

Date: 9/23/98
Signature:

Carrier Power: 250mW to 0.00001mW.
Carrier Frequency: 1851.250 MHz to 1908.750 MHz in 50 kHz steps.
* Each reported emission reflects the highest absolute level found among all power levels and channels tested.
* No signals greater than –81dBm were found in the 1930MHz to 1990MHz band.
* Spectrum was searched from 10MHz to the 10 th harmonic of the transmitter.

Carrier 1851.25MHz, Spectrum 10MHz to 1847MHz



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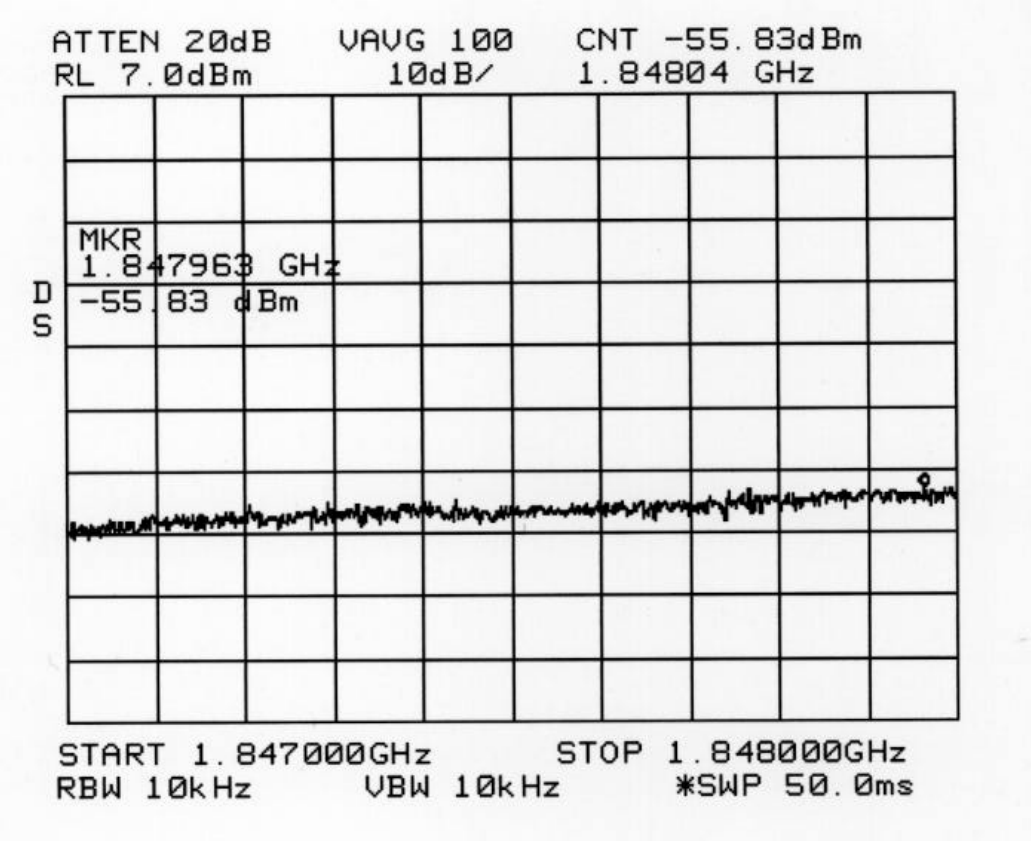
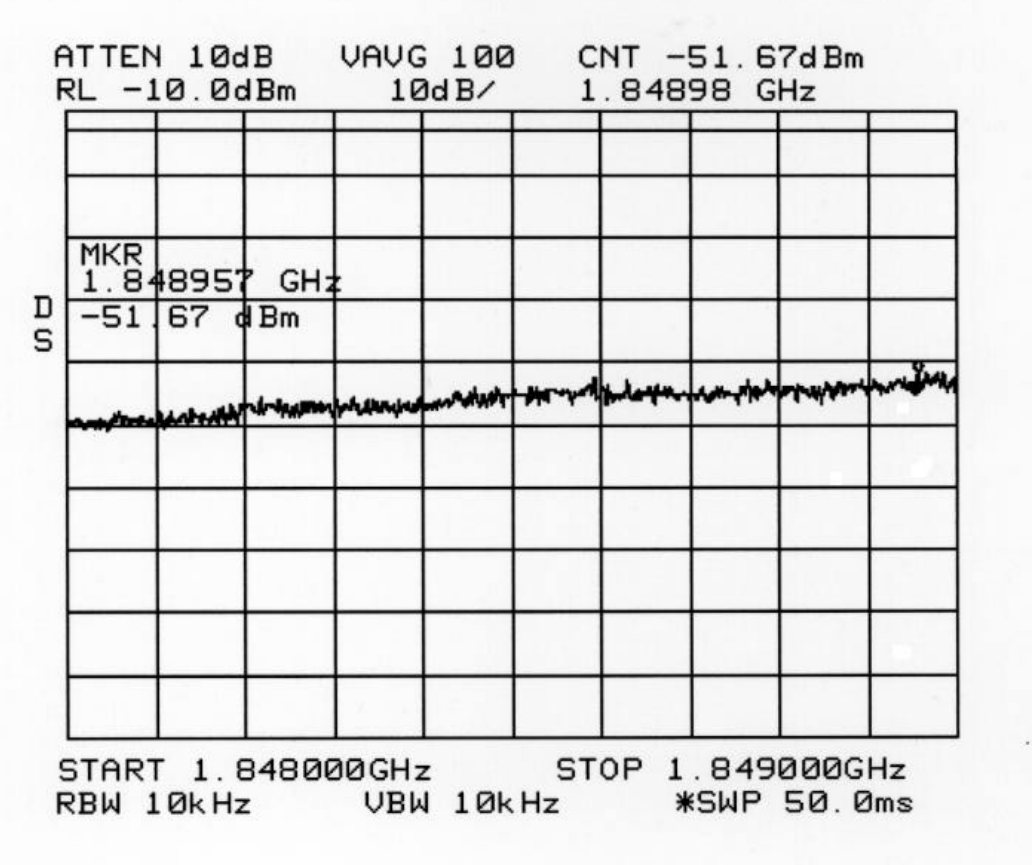
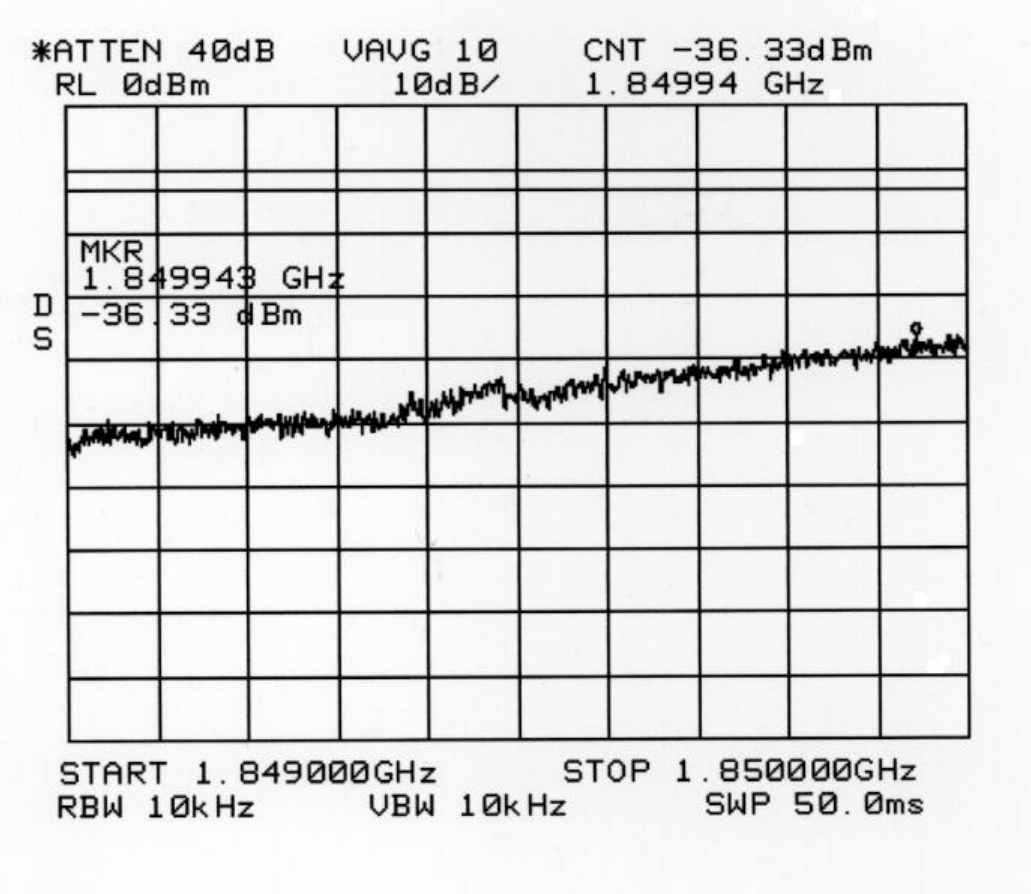
Carrier 1851.25MHz, Spectrum 1847MHz to 1848MHz



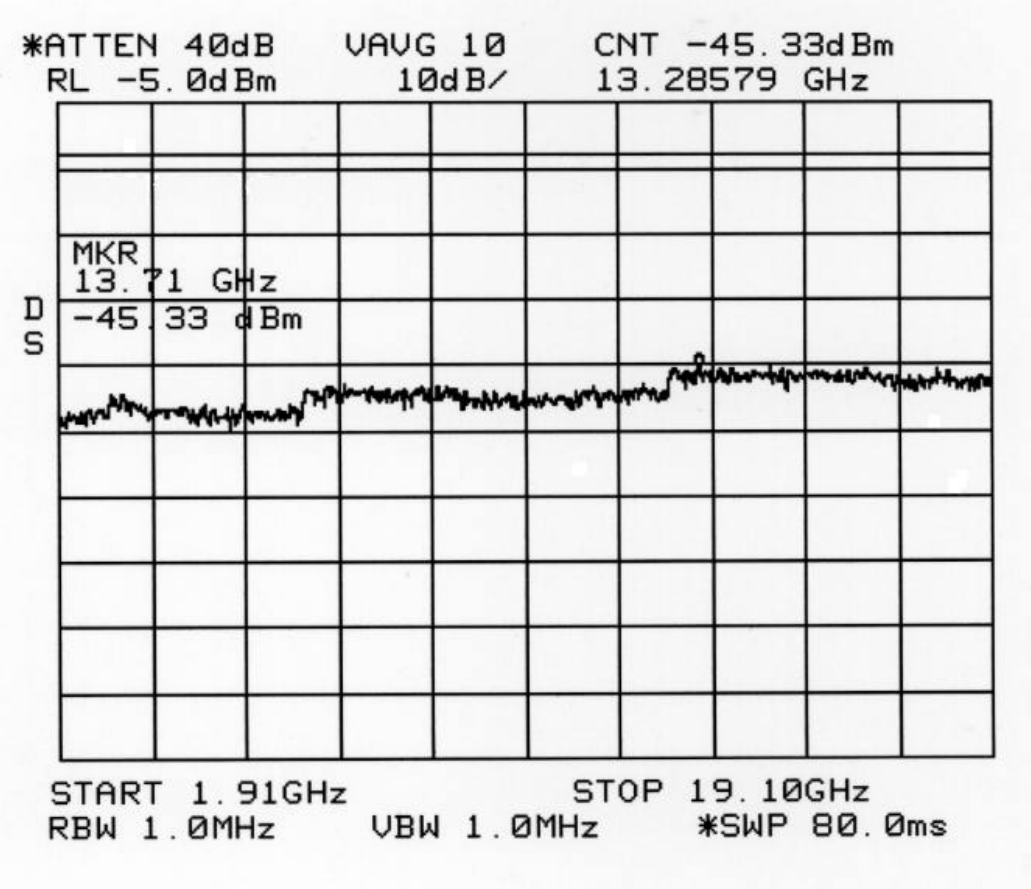
Carrier 1851.25MHz, Spectrum 1848MHz to 1849MHz



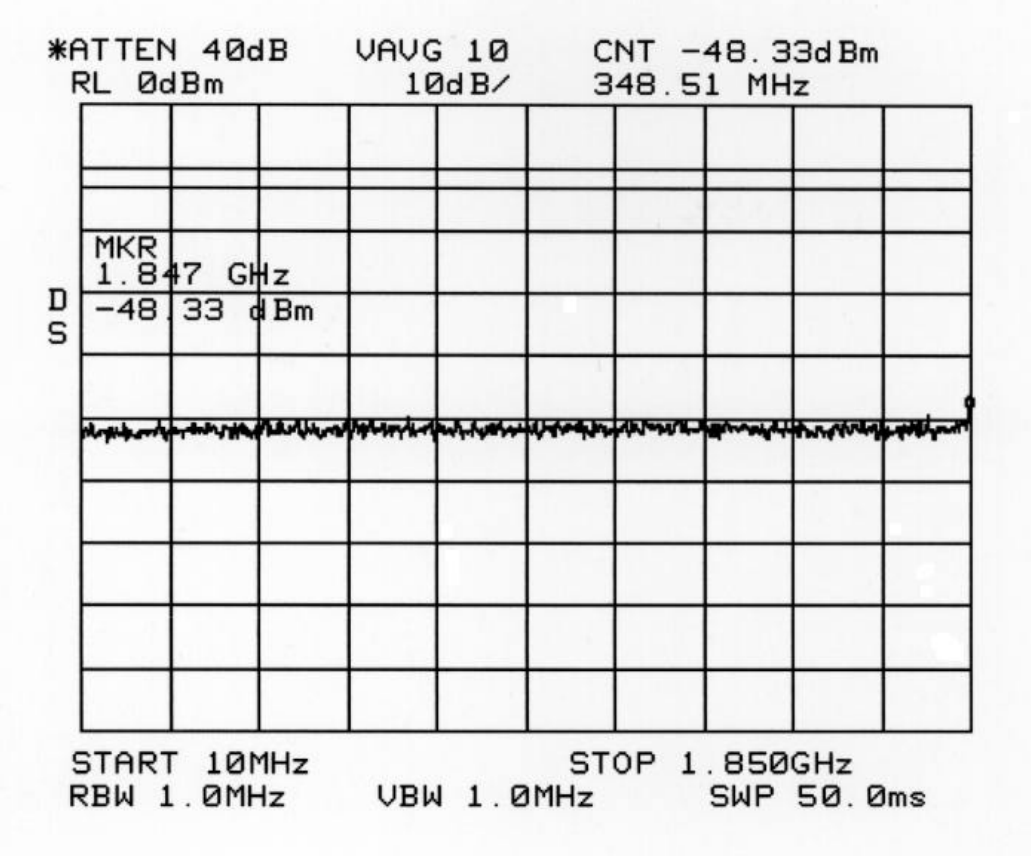
Carrier 1851.25MHz, Spectrum 1849MHz to 1850MHz



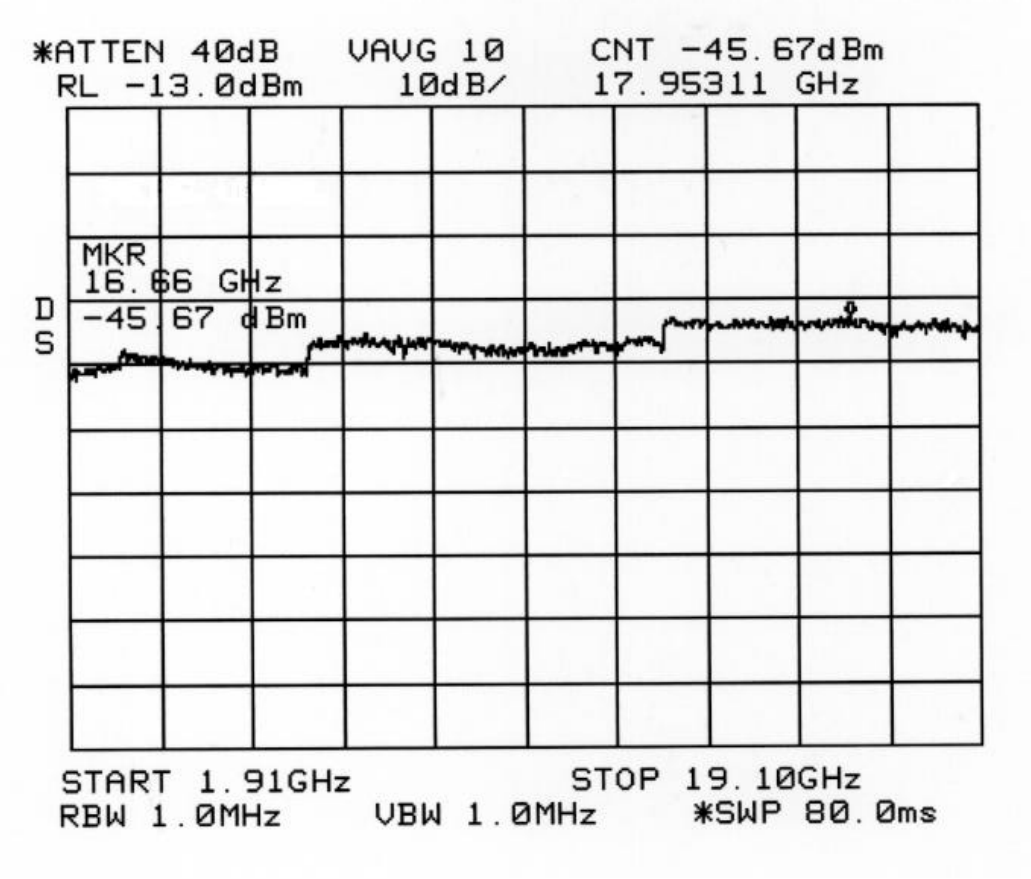
Carrier 1851.25MHz, Spectrum 1910MHz to 19.1GHz



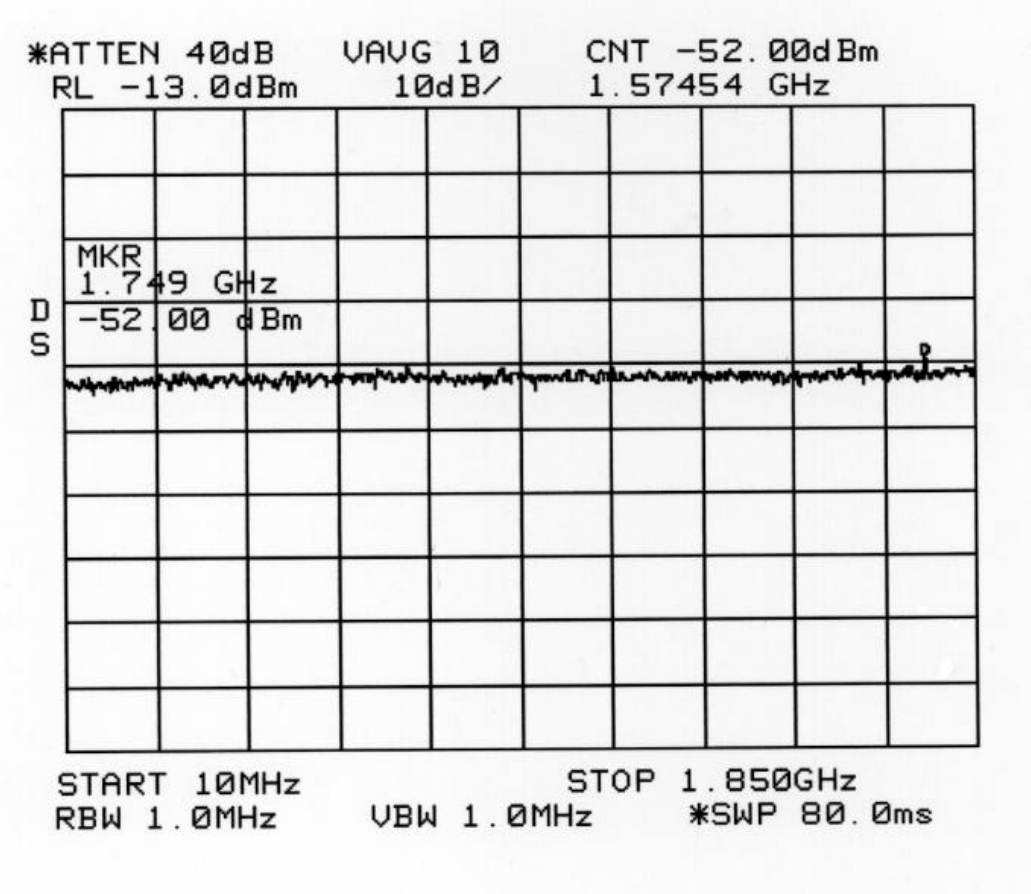
Carrier 1880MHz, Spectrum 10MHz to 1850MHz



Carrier 1880MHz, Spectrum 1910MHz to 19.1GHz



Carrier 1908.75MHz, Spectrum 10MHz to 1850MHz



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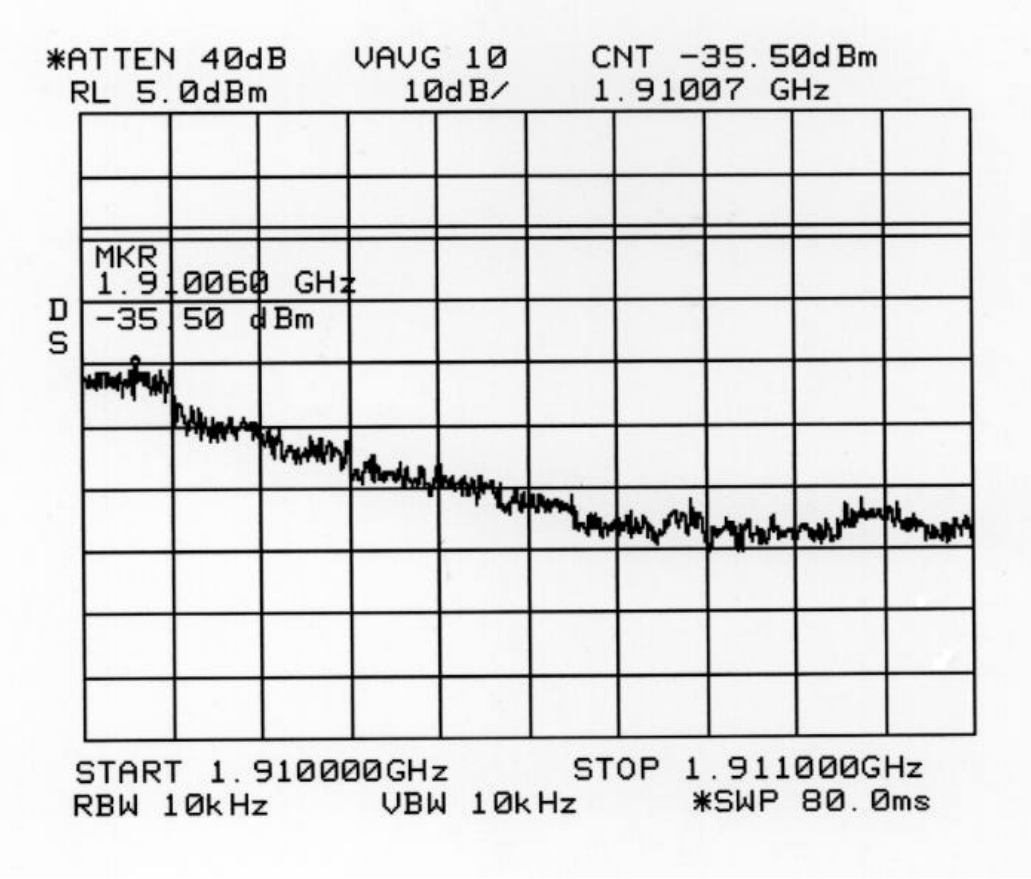
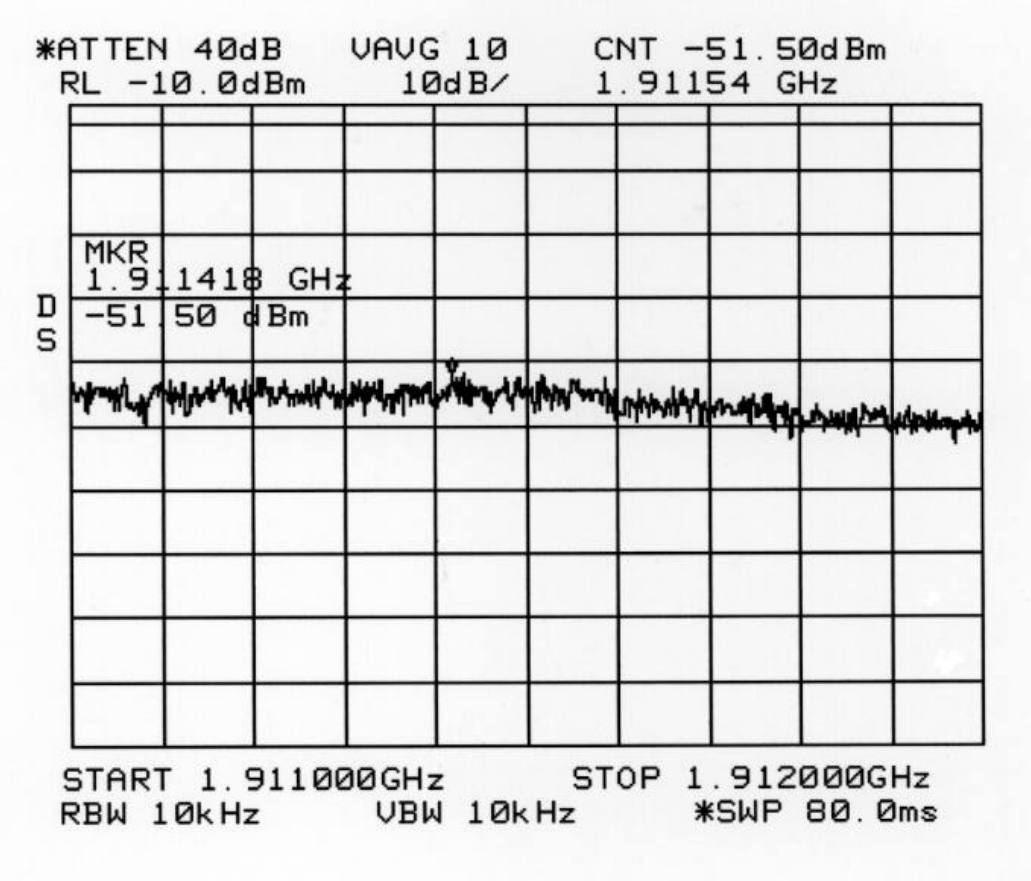
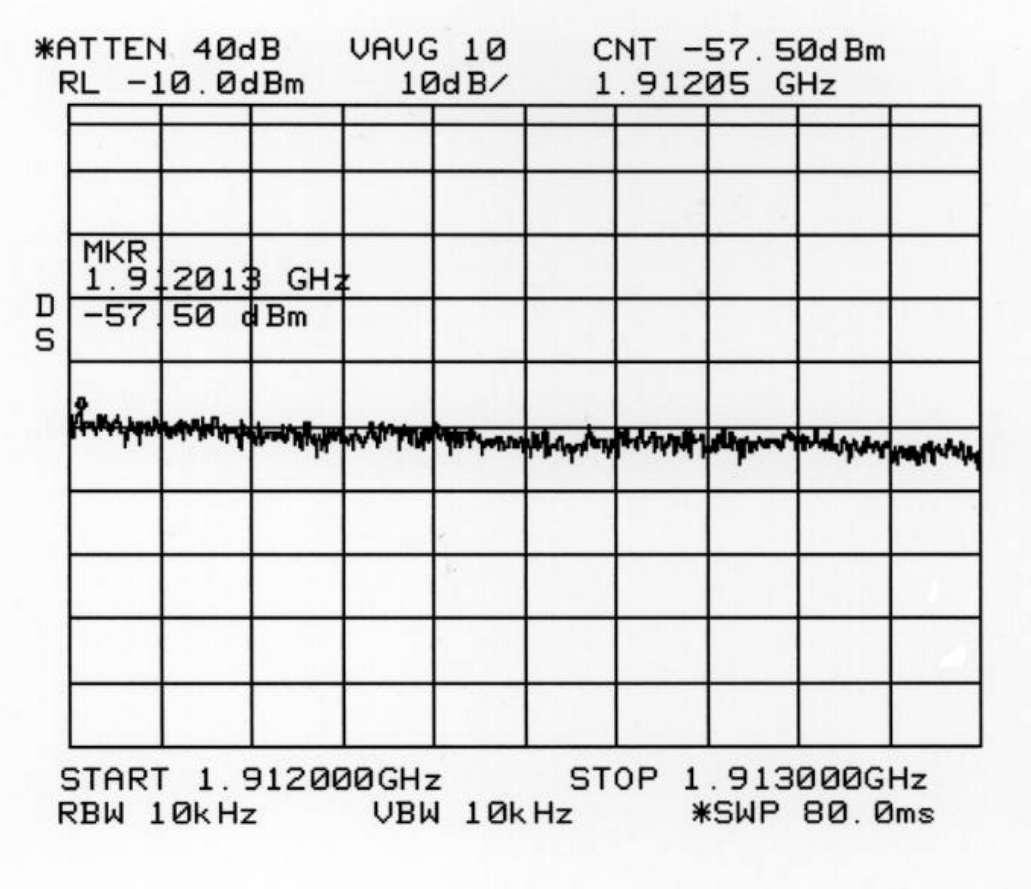
Carrier 1908.75MHz, Spectrum 1910MHz to 1911MHz



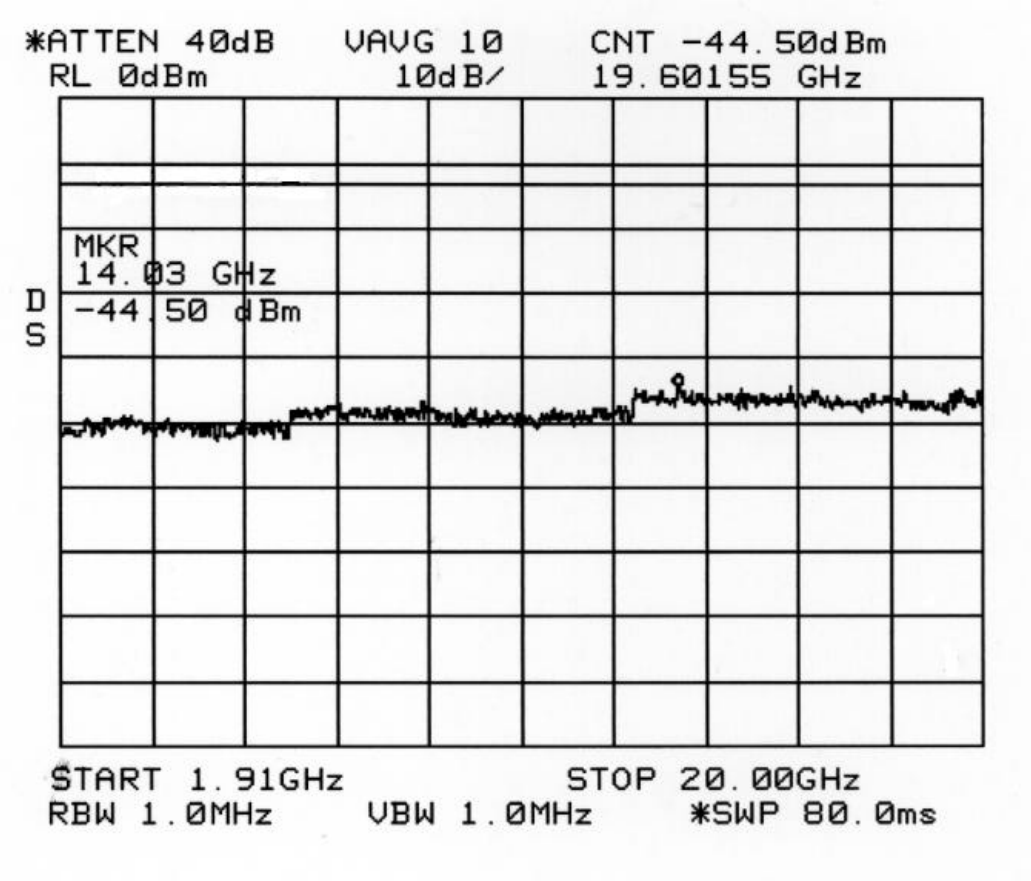
Carrier 1908.75MHz, Spectrum 1911MHz to 1912MHz



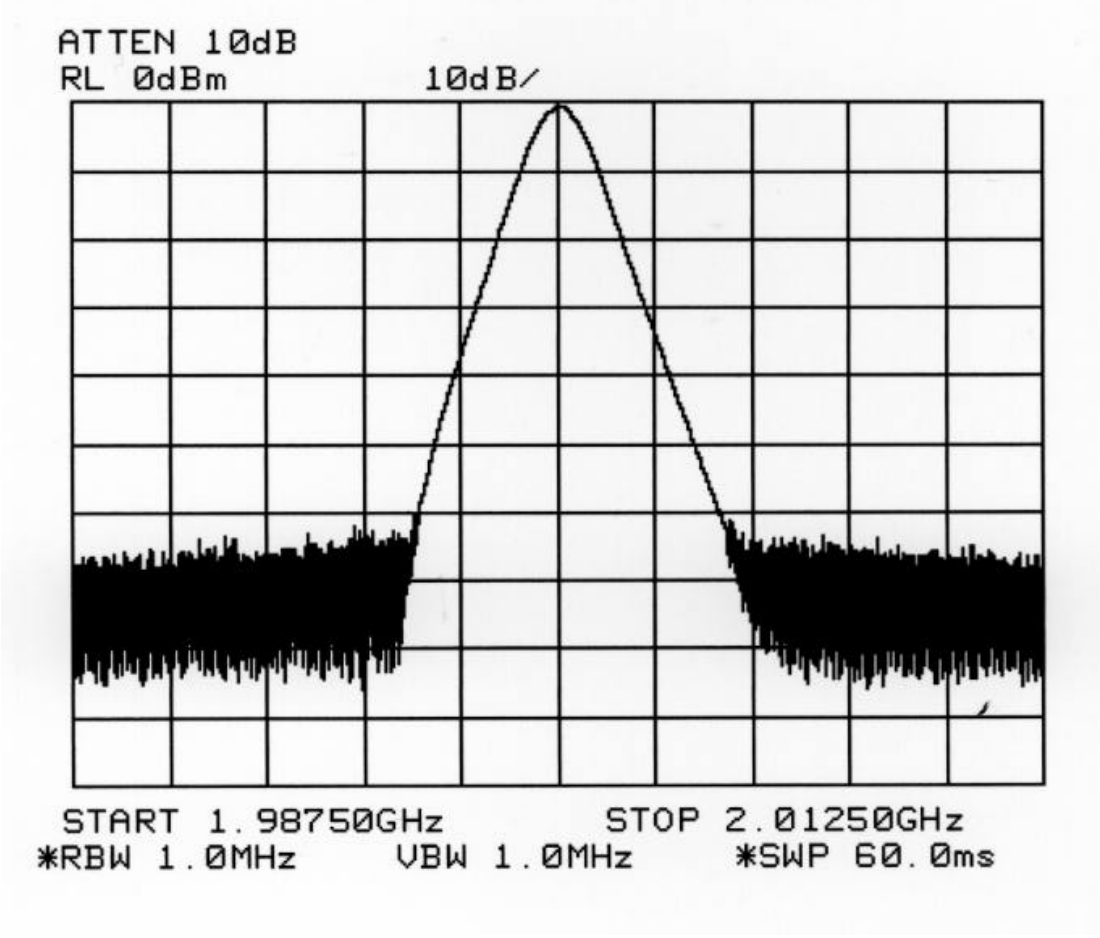
Carrier 1908.75MHz, Spectrum 1912MHz to 1913MHz



Carrier 1908.75MHz, Spectrum 1913MHz to 20GHz



Spectrum Analyzer 1 MHz Resolution Bandwidth Filter Response



Frequency Change vs Temperature-Graph

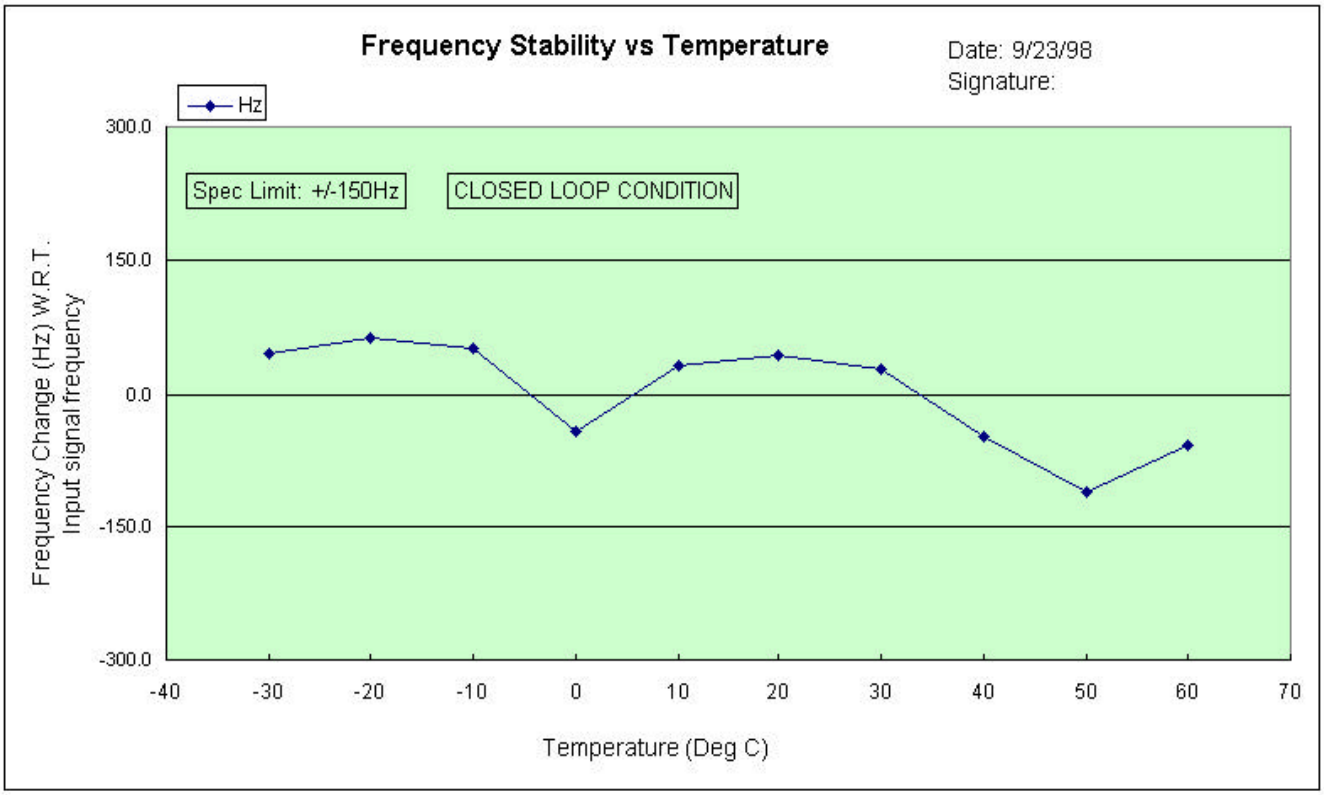


EXHIBIT 9E

Frequency Change vs Supply Voltage-Graph

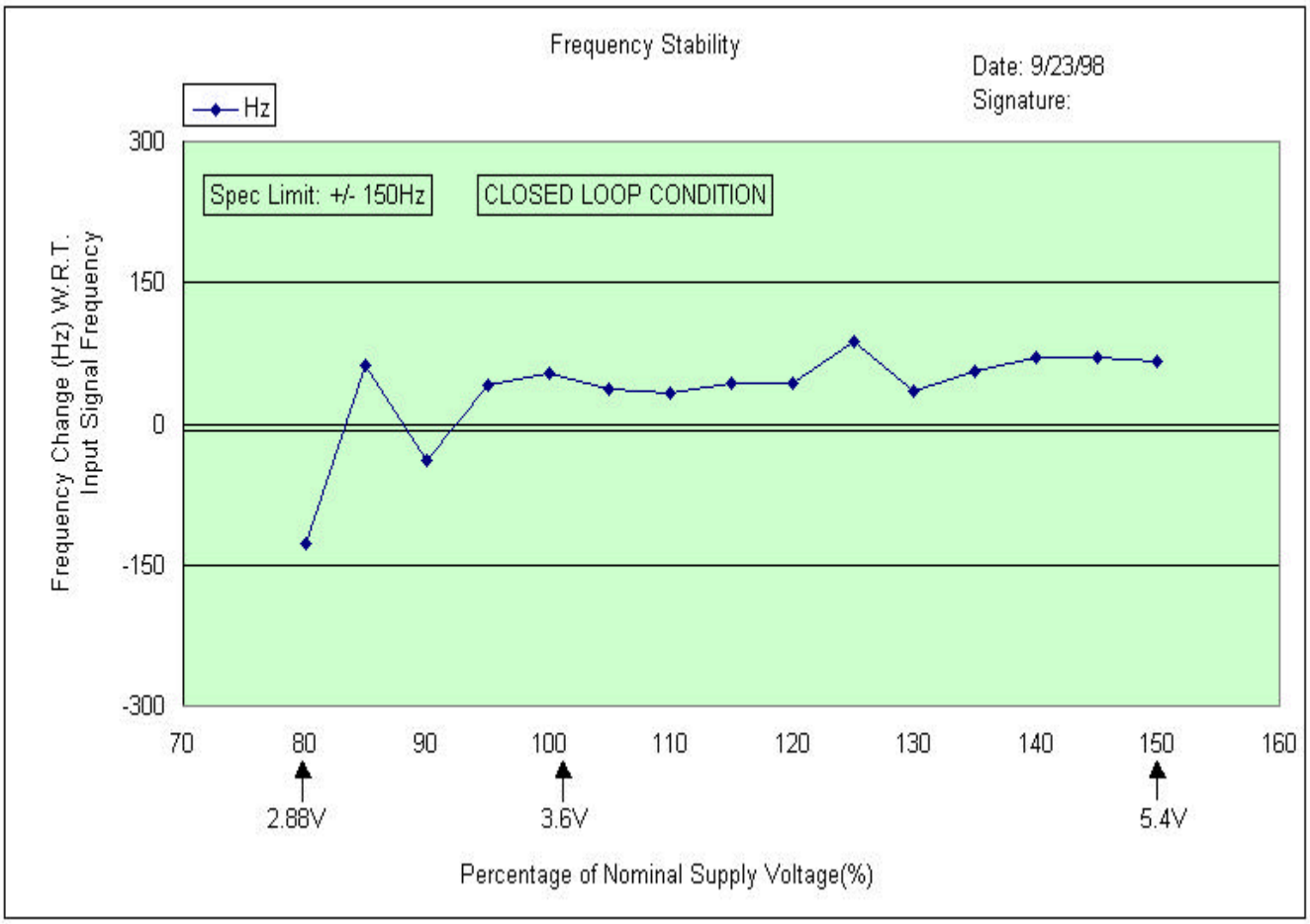


EXHIBIT 9F