

**SUBMITTED MEASURED DATA INDEX**

**EXHIBIT**

**MEASUREMENT**

- 9A RF Power Output - Measured Data
- 9B Occupied Bandwidth, Maximum Power - Graph
- 9C Conducted Spurious and Harmonic Emissions - Graphs
- 9D Radiated Spurious and Harmonic Emissions - Graph
- 9E Frequency Change vs Temperature - Graph
- 9F Frequency Change vs Supply Voltage - Graph

**RF POWER OUTPUT DATA**

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:	0.302 Watts
Measured DC Voltage:	3.59 Volts
Measured DC Current:	540 mA
Measured RF Input:	0.72 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 with the antenna in the extended position.

Maximum Effective Radiated Power :        25.9 dBm    (0.389 W)

BANDWIDTH MEASUREMENT DATA  
FOR TRANSMITTER TYPES D1W

DEVIATION OF THE CARRIER WITH OQPSK MODULATION

HORIZONTAL SCALE = 1 MHz/DIVISION

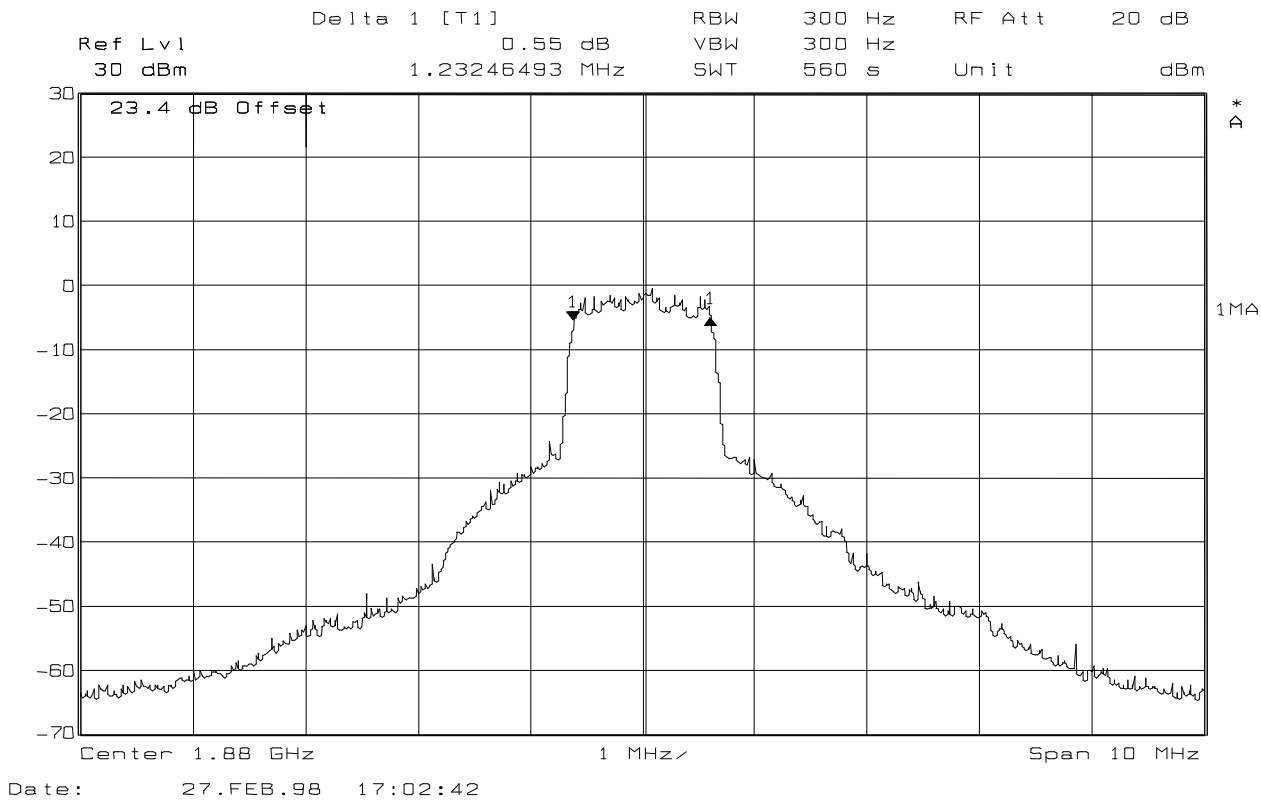
VERTICAL SCALE = 10 dB/DIVISION

RESOLUTION BANDWIDTH = 300 Hz

POWER LEVEL = 0.250 W (Max power)

MEASURED DATA:

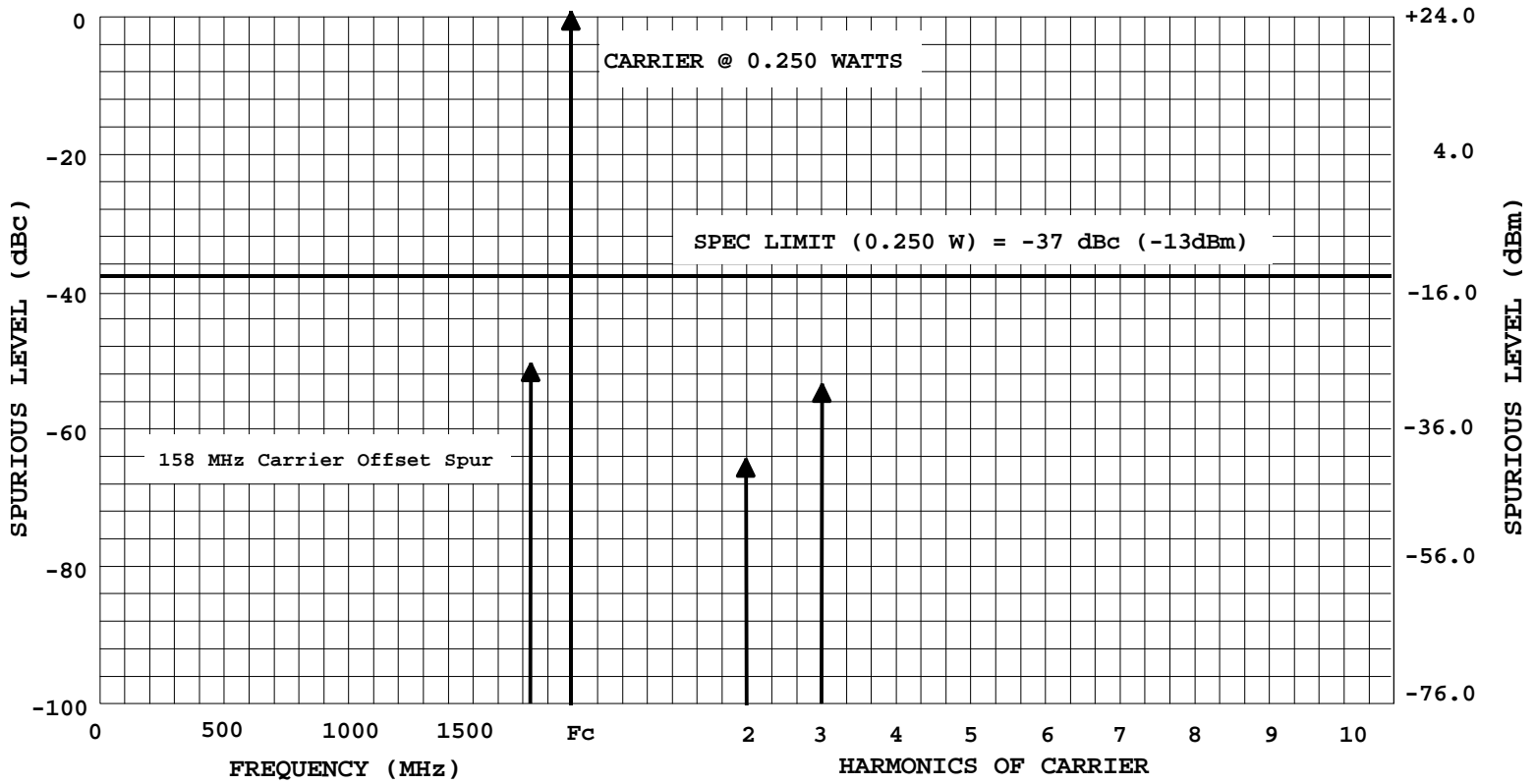
1. Modulate the transmitter with OQPSK modulation, using pseudo random data.  
Obtain image on spectrum analyzer.



COMMENTS:

A 300 Hz resolution bandwidth was the minimum usable bandwidth for the 10 MHz span.

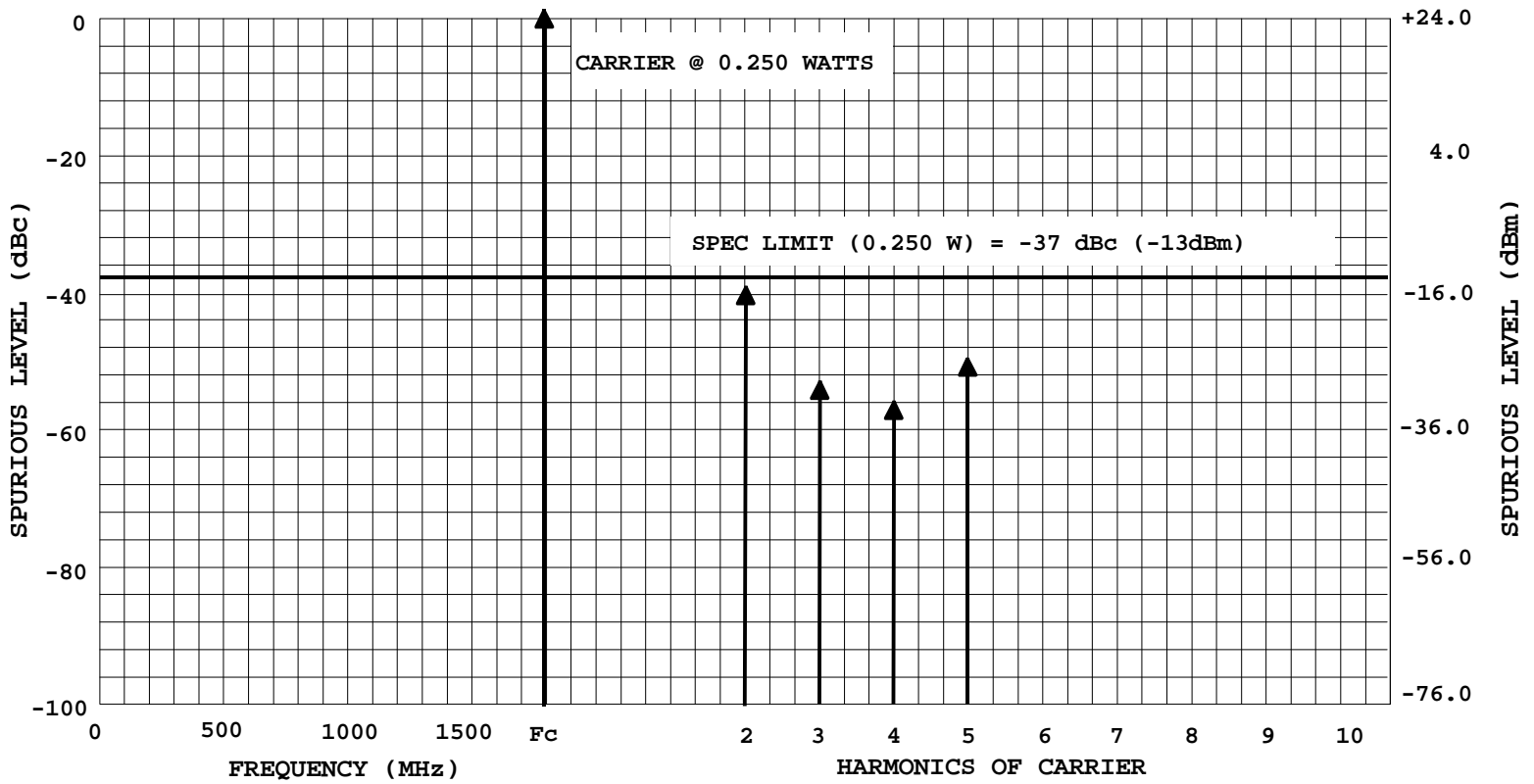
**Conducted Spurious and Harmonic Emissions-Graph**



**TRANSMITTER CONDUCTED SPURIOUS EMISSIONS**

- Carrier Power: .250 W to .008 mW
- Carrier Frequency: 1851.25 MHz to 1908.75 MHz in 1.25 MHz steps
- \*Each spur reflects its level at worst channel
- \*All other emissions not reported are more than 20 dB below the FCC Specification
- \*2nd Harmonic is also at non-reportable level and only shown as reference
- \*Spectrum was searched from 25 MHz to the 10th Harmonic of the Transmitter
- \*Allocation Band edges scanned from 1847-1850 MHz and 1910-1913 MHz using 1% bandwidth and Brickwall Filter technique as described in Exhibit 12
- \*Graphical representation of tabulated data on file

**Radiated Spurious and Harmonic Emissions-Graph**



**TRANSMITTER RADIATED SPURIOUS EMISSIONS**

Carrier Power: .250 W to .008 mW

Carrier Frequency: 1851.25 MHz to 1908.75 MHz in 1.25 MHz steps

\*Each spur reflects its level at worst channel, polarization, and radio orientation

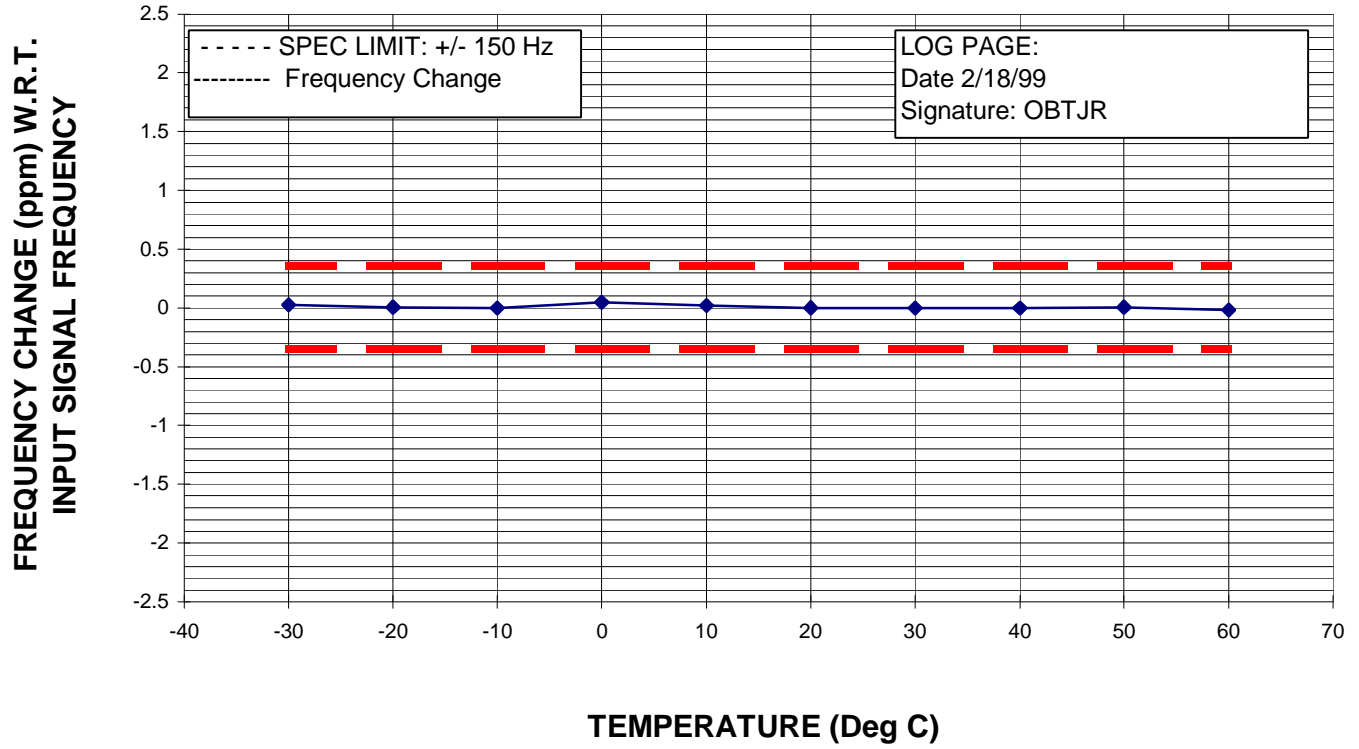
\*All emissions not reported are more than 20 dB below the FCC Specification

\*Spectrum was searched from 25 MHz to the 10th Harmonic of the Transmitter

\*Graphical representation of tabulated data on file

**Frequency Change vs. Temperature -Graph**

**REFERENCE OSCILLATOR FREQUENCY STABILITY VS TEMPERATURE - DIGITAL MODE**



**Frequency Change vs. Supply Voltage -Graph**

