

## 7.1 Test Data (Continued)

### 7.4 CELLULAR CDMA Radiated Measurements

#### Field Strength of SPURIOUS Radiation



OPERATING FREQUENCY: 848.31 MHz  
 CHANNEL: 0777 (High)  
 MEASURED OUTPUT POWER: 26.423 dBm = 0.439 W  
 MODULATION SIGNAL: CDMA (Internal)  
 DISTANCE: 3 meters  
 LIMIT:  $43 + 10 \log_{10} (W) =$  39.42 dBc

FREQ. (MHz)	LEVEL @ ANTENNA TERMINALS (dBm)	SUBSTITUTE ANTENNA GAIN (dBi)	CORRECT GENERATOR LEVEL (dBm)	POL (H/V)	(dBc)
1696.62	-55.68	6.10	-49.58	H	76.0
2544.93	-51.08	6.70	-44.38	H	70.8
3393.24	-56.93	6.80	-50.13	H	76.6
4241.55	-69.73	6.50	-63.23	H	89.7

#### NOTES:

Radiated Spurious Emission Measurements by Substitution Method  
according to ANSI/TIA/EIA-603-A-2001, Aug. 15, 2001:

The EUT was placed on a wooden turn table 3-meters from the receive antenna. The receive antenna height and turntable rotation was adjusted for the highest reading on the receive spectrum analyzer. A half-wave dipole was substituted in place of the EUT. This dipole antenna was driven by a signal generator and the level of the signal generator was adjusted to obtain the same receive spectrum analyzer reading. This spurious level is recorded. For readings above 1GHz, the above procedure is repeated using horn antennas and the difference between the gain of the horn and an isotropic or dipole antenna are taken into consideration.

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