

Test Data

§ 24.232(b) Equivalent Isotropically Radiated Power (E.I.R.P.)

The RF output power is measured via HP436A Power Meter Sensor.

Supply Voltage: 3.6 VDC

Modulation: CDMA

FREQ. (MHz)	LEVEL (dBm)	AFCL (dB)	POL (H/V)	Height (m)	Azimuth (o angle)	F/S (μ V/m)	Margin (dBm)	EIRP (W)	Battery
1851.25	-23.15	35.31	V/H	1.2	30.0	907820.5	23.93	0.248	Extended
1880.00	-23.26	35.48	V/H	1.2	40.0	914113.2	23.99	0.251	Extended
1908.75	-25.00	35.65	V/H	1.2	30.0	762956.9	22.42	0.175	Extended
1880.00	-23.30	35.50	V/H	1.2	30.0	912010.8	23.97	0.250	Mid
1880.00	-23.31	35.50	V/H	1.2	30.0	910961.5	23.96	0.250	Standard

NOTES:

1. The bandwidth is set with RBW = 3MHz and VBW = 3MHz.
2. The spectrum was checked from 25 MHz up to the 10th harmonic.
3. All emissions not listed were found to be more than 20dB below the limit.
4. < -130dBm is below the floor of the spectrum analyzer.
5. The EUT is manipulated through 3 orthogonal axis and the worst-case are reported.
6. The EUT is placed 3m. away from the receiving antenna and the EIRP is calculated using the formula:

$$\text{EIRP (dBm)} = 10 \text{ Log } 10 \left(\frac{(r(\text{mV/m})/1 \times 10^6)^2}{30.0/1 \times 10^{-3}} \right)$$

$$\text{EIRP (dBm)} = 10 \text{ Log } 10 \left[\frac{(3 \times \text{FS}/1 \times 10^6)^2}{(30.0) \times 1000} \right]$$

$$\text{EIRP (Watts)} = \frac{(3 \times \text{FS})^2}{1 \times 10^6} / 30.0$$