

Test Data

§ 22.913 Effective Radiated Power Output

B. POWER: High (CDMA Mode)

Freq. Tuned (MHz)	LEVEL (dBm)	AFCL (dB)	POL (H/V)	F/S (μ V/m)	ERP (W)	ERP (dBm)	BATTERY
824.70	-16.10	31.66	V	1342572	0.33051	25.18	Extended
835.89	-15.99	31.80	V	1381756	0.35008	25.43	Extended
848.31	-16.40	31.95	V	1341818	0.33014	25.18	Extended
835.89	-16.05	31.80	V	1372244	0.34528	25.37	Standard
835.89	-16.11	31.80	V	1362797	0.34054	25.31	Slim

NOTES:

The bandwidth is set with RBW = 3MHz and VBW = 3MHz.

The EUT is placed 3m. away from the receiving antenna and the ERP

is calculated using the formula:

$$\text{ERP (dBm)} = 10 \log_{10} (((r(\text{mV/m})/1 \times 10^6)^2 / 49.2/1 \times 10^{-3})$$

$$\text{ERP (dBm)} = 10 \log_{10} [(3 \times \text{FS}/1 \times 10^6)^2 / (49.2) \times 1000]$$

$$\text{ERP (Watts)} = \{(3 \times \text{FS})/1 \times 10^6\}^2 / 49.2$$