

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
824.64	-17.0	31.66	V	1210319	0.26860	24.28	Extended
835.89	-16.7	31.80	V	1273301	0.29728	24.72	Extended
848.37	-17.1	31.95	V	1238030	0.28104	24.48	Extended
835.89	-16.7	31.80	V	1273301	0.29728	24.72	Regular
835.89	-16.8	31.80	V	1258726	0.29052	24.62	Slim

NOTES:

The EUT is placed 3m. away from the receiving antenna and the ERP
 is calculated using the formula:

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

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

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