Test Data

§ 22.913 Effective Radiated Power Output

A. POWER: **CDMA Mode**

Freq. Tuned (MHz)	LEVEL (dBm)	AFCL (dB)	POL (H/V)	F/S (μV/m)	ERP (W)	ERP (dBm)
824.04	-33.2	31.65	V	187294	0.0064	8.07
836.49	-33.6	31.81	V	182098	0.0061	7.83
848.97	-33.7	31.96	V	183276	0.0062	7.88

B. POWER: **AMPS Mode**

Freq. Tuned (MHz)	LEVEL (dBm)	AFCL (dB)	POL (H/V)	F/S (μV/m)	ERP (W)	ERP (dBm)
824.04	-13.5	31.65	V	1809360	0.600	27.77
836.49	-13.7	31.81	V	1800140	0.594	27.73
848.97	-13.9	31.96	V	1791044	0.588	27.68

NOTES:

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

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

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

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

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§ 22.913 Effective Radiated Power Output

B. POWER: **High (CDMA Mode)**

Freq. Tuned (MHz)	LEVEL (dBm)	AFCL (dB)	POL (H/V)	F/S (μV/m)	ERP (W)	ERP (dBm)
824.64	-16.3	31.66	V	1311898	0.31558	24.98
835.89	-16.4	31.80	V	1318048	0.31854	25.02
848.37	-16.7	31.95	V	1296377	0.30816	24.88

NOTES:

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

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

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

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