Test Data

ERP Test Results

Freq. Tuned (MHz)	LEVEL (dBm)	AFCL (dB)	F/S (dBμV/m)	ERP (dBm)	ERP (W)
462.56	-7.85	25.20	1650346	0.49941	26.97

NOTES:

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

$$\text{Level m/Vm @ 3 meters} = \text{Log } 10^{-1} \frac{(dBm + 107 + AFCL)}{20}$$

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

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

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