

4.1 RF POWER OUTPUT

Test Lab: Electronics Test Centre (Airdrie)		Product:		
Test Personnel: E. Hails		LoCate		
Test Date: 26 April 2001				
Test Result, LoCate: PASS				
Objectives/Criteria		Specifications		
The effective radiated power emitted by a device at its carrier frequency, measured at the antenna terminal, shall not exceed the limits as specified.		FCC Part 22.913 ERP $\leq$ 500 W or 57.0 dBm		
Channel	Frequency (MHz)	RF output _{rated} (dBm)	RF output _{meas} (dBm)	ERP _{calculated} (dBm)
001 – audio mode	825.030	28.00	27.51	29.11
367 – audio mode	836.010	28.00	25.77	27.37
800 – audio mode	849.000	28.00	25.34	26.94
001 – data mode	825.030	28.00	27.00	28.60
367 – data mode	836.010	28.00	25.71	27.31
800 – data mode	849.000	28.00	25.16	26.76

Assuming worst-case gain of 3 dBi:
antenna gain relative to half-wave dipole = 3 – 1.4 = **1.6 dB**