

RF POWER Output Data

The input supply to transmitter was set at the nominal supply voltage of 7.2 volts (the actual R.F. Power Amplifier is supplied by a voltage regulator, whose output is nominally 4.8 volts). The RF power output was measured at midband, with the indicated voltage and current applied into the final RF amplifying device.

Analog Mode:

Measured RF Output:	.56 Watts
Measured DC Voltage:	4.78 Volts
Measured DC Current:	410 mA
Measured RF Input:	5.01 mW

Digital Mode:

In the Digital mode, the values measured for RF Output, DC Current and RF Input Power are all average values which reflect a 100% transmit duty cycle in CDMA operation.

Measured RF Output:	.28 Watts
Measured DC Voltage:	4.78 Volts
Measured DC Current:	340 mA
Measured RF Input:	1.07 mW

Effective Radiated Power

Since the unit is intended for use with a provided antenna (and “non-standard” RF connector), ERP is measured. The antenna substitution method was used. The result indicated is the maximum ERP found over the channels and radio orientations tested. The maxima were found at the mid channel with the antenna in the extended position.

Maximum Effective Radiated Power (Analog):	25.7 dBm	(0.37 W)
Maximum Effective Radiated Power (Digital):	22.1 dBm	(0.16 W)