

RF POWER OUTPUT DATA

The input supply to the transmitter was set at 3.6 Volts. The RF power output was measured with the indicated voltage and current applied into the final RF amplifying device(s).

ANALOG MODE

Measured RF output: 0.538W

Measured DC voltage: 3.6V

Measured DC current: 680mA

Measured RF input: 9.77mW

800 Mhz Digital CDMA

In 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: 0.317W

Measured DC voltage: 3.6V

Measured DC current: 650mA.

Measured RF input: 1.28mW

1900 Mhz Digital CDMA

In 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: 0.317W

Measured DC voltage: 3.6V

Measured DC current: 675mA.

Measured RF input: 1.62mW

EFFECTIVE RADIATED POWER

Since the unit is intended for use with a provided antenna (and “non standard” RF connector), ERP is measured. The dipole antenna substitution method was used. The result indicated is the maximum ERP found over the channels and radio orientations tested.

Maximum Effective Radiated Power: Analog Mode 27.4 dBm (0.550 W)

Maximum Effective Radiated Power: 800 Digital CDMA Mode 24.9 dBm (0.310 W)

Maximum Effective Isotropic Radiated Power: 1900 Digital CDMA Mode 26.9 dBm (0.495 W)