

RF POWER OUTPUT DATA

The input supply to the transmitter was set at 4.4 Volts. The RF power output was measured with the indicated voltage and current applied into the final RF amplifying device(s).

DIGITAL MODE

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: 22.6dBm (0.181W)

Measured DC voltage: 4.4 V

Measured DC current: 570 mA

Effective Radiated Power

Since the unit is intended for use with a provided ON Glass antenna manufactured by “Antenna Specialist”, (known as Motorola part number TAF6151) we need to calculate the ERP, based upon measured antenna gain plots.

Remarks:

- Antenna measurements performed at open site with 3rd party lab.
- Antenna Gain results includes 5M RG-58 coax cable connected to the antenna.

The maximum antenna gain measured is 1 dBi.

The Effective Isotropic Radiated Power than is : $22.6 + 1 = 23.6$ EIRP.

The Effective Radiated Power is 21.5 dBm ERP (0.14 W)