

From: Miguel Cardoza

To: Leann Nguyen

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Message:

Equivalent Isotropically Radiated Power Calculation

Receive Antenna Gain 35 dB

Antenna Cable Loss -10 dB

Re-radiating Amplifier Gain 25 dB

Re-radiating Antenna Gain 3 dB

System Gain 53 dB

GPS L1 Carrier Frequency 1575.42 MHz

Range 0.03 km

Free Space Path Loss -65.94 dB

GPS L1 Receive Power (typ.) -130 dBm

System Gain 53 dB

Free Space Path Loss -65.94 dB

Total Radiated Power -142.94 dBm