

Change the values in the yellow boxes to calculate required readings

Receive Ant Gain	Ant Cable Insertion Loss	Repeater Amp Gain	Repeater Ant Gain Best Case	Range in Feet	Repeated Signal Power @ Range In dBm
8	-6	45	8	100	-142.89
INMARSAT Carrier Frequency MHz			Total System Gain	Range in Miles	Total Signal Power @ Range in Watts
1538.5			55	0.02	5.1E-18
Avg Receive Power Inmarsat dBm North America				Range in Meters	Effective Radiated Power dBm
-130				31.17	-77
Free Space loss with Isotropic Antennas				Range in Kilometers	Output Power (dBm)
-65.89				0.03	-85.0E+0

