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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 | 49 | 2 | 100 | -143.34 |
| Iridium Carrier Frequency MHz | | Total System Gain | | Range in Miles | Total Signal Power @ Range in Watts |
| 1621.25 | | 53 | | 0.02 | 4.6E-18 |
| Avg Receive Power Iridium 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) |
| -66.34 | | | | 0.03 | -79.0E+0 |



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