Ground Control Station Calculations

**1. Gain of Recieving Antenna**

Now ,

Here

Here

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**2. Power of Recieving Antenna**

**3. Link Budget**

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| --- | --- |
| **PARAMETER** | **VALUE** |
| Transmitter Power | 63mW = 17.993 dB |
| Transmitter Gain | 3.2 dBi = 5.05 dB |
| Effective Isotropic Radiated Power (EIRP) | 23.04 dBW |
| Free Space Path Loss | 9.94 dB |
| Reciever Gain | 13.1 dB |
| Reciever Power | 26.20 dBW |