

System Configuration - How the System EIRP is Determined

In all cases, the total EIRP of the system is below the Part 15.247(d) EIRP limit of 36 dBm.

| Antenna Model | Transmitter Power (dBm) | Cable Insertion Loss* (dB) | Filter Y/N ? | Filter Model # | Filter Insertion Loss (dB) | Antenna Gain (dBi) | System Net EIRP (dBm) |
|---------------|-------------------------|----------------------------|--------------|----------------|----------------------------|--------------------|-----------------------|
| HG2408U | 16.0 | 4.7 | No | N/A | 0.0 | 8.0 | 19.3 |
| HG2412U | 16.0 | 4.7 | No | N/A | 0.0 | 12.4 | 23.7 |
| HG2414Y | 16.0 | 4.7 | No | N/A | 0.0 | 13.5 | 24.8 |
| HG2415Y | 16.0 | 4.7 | Yes | CLLN-F | 0.5 | 13.5 | 24.3 |
| HG2415G | 16.0 | 4.7 | Yes | FLT-2400C01 | 3.0 | 15.0 | 23.3 |
| HG2419G | 16.0 | 4.7 | Yes | FLT-2400C01 | 3.0 | 19.0 | 27.3 |
| HG2424GC | 16.0 | 4.7 | Yes | FLT-2400C01 | 3.0 | 23.5 | 31.8 |
| HG2424G | 16.0 | 4.7 | Yes | FLT-2400C01 | 3.0 | 24.0 | 32.3 |

* Cable Insertion Loss includes:

| | |
|----------------------|---------------|
| 4 ft. Jumper Cable | 1.2 dB |
| Lightning Protector | 0.4 dB |
| 50 ft. Antenna Cable | <u>3.1 dB</u> |
| | 4.7 dB |