

RF Exposure Information

The following table summarizes the minimum separation distance as calculated following FCC OET Bulletin 65.

NOTE: THE ONLY PERMISSIBLE SYSTEM CONFIGURATIONS ARE THOSE LISTED ON THE FOLLOWING PAGE.

The following equations were used in calculating the operating distance (R).

$$EIRP(mW) = Po(mW) \cdot 10^{\frac{Gain(dB)}{10}}$$

and

$$R = \sqrt{\frac{EIRP(mW)}{4 \cdot \pi \cdot S(mW/cm^2)}}, \quad S = 1mW/cm^2$$

The following equations were used in calculating the RF Exposure (S)

$$S(mW/cm^2) = \frac{EIRP(mW)}{4 \cdot \pi \cdot R(cm)^2}, \quad R = 100 \text{ cm (fixed), } 20 \text{ cm (mobile)}$$

Minimum Separation Distance (cm)

Antenna Model	Gain (dBi)	Amplifier Power Rating (dB)							Card Alone
		29.6	29	28	27	26	20	16	
HG2401U	1	9.6	8.9	8.0	7.1	6.3	3.2	2.0	2.1
HG2402RD	2	10.7	10.0	8.9	8.0	7.1	3.6	2.2	2.4
HG2403RD	3	12.0	11.2	10.0	8.9	8.0	4.0	2.5	2.4
HG2403UR	3	12.0	11.2	10.0	8.9	8.0	4.0	2.5	2.4
HG2404CU	3	12.0	11.2	10.0	8.9	8.0	4.0	2.5	3.0
HGV-2404U	4	13.5	12.6	11.2	10.0	8.9	4.5	2.8	3.0
HG2405RD	5	15.1	14.1	12.6	11.2	10.0	5.0	3.2	3.0
RE05E	5	15.1	14.1	12.6	11.2	10.0	5.0	3.2	3.0
RE05U	5	15.1	14.1	12.6	11.2	10.0	5.0	3.2	3.0
HG2405	5	15.1	14.1	12.6	11.2	10.0	5.0	3.2	-
HGV-2406U	6	17.0	15.9	14.1	12.6	11.2	5.6	3.6	-
HG2406U	6	17.0	15.9	14.1	12.6	11.2	5.6	3.6	-
HG2407U	7	N/A	17.8	15.9	14.1	12.6	6.3	4.0	-
HG2408U	8	N/A	20.0	17.8	15.9	14.1	7.1	4.5	-
HG2409U	8.5	N/A	N/A	18.9	16.8	15.0	7.5	4.7	-
HGV-2409U	8.5	N/A	N/A	18.9	16.8	15.0	7.5	4.7	-
HG2410U	10	N/A	N/A	22.4	20.0	17.8	8.9	5.6	-
HG2412U	12	N/A	N/A	N/A	25.1	22.4	11.2	7.1	-
HG2415U-PRO	15	N/A	N/A	N/A	N/A	31.7	15.9	10.0	-

Configurations in BLACK Can be used in either MOBILE OR FIXED MOUNTED Installations

Configurations in RED can only be used in FIXED MOUNTED Installations

Configurations with N/A are not permissible, via. FCC 15.247(b)(4)(i)

RF Exposure (mW/cm^2)

Antenna Model	Gain (dBi)	Amplifier Power Rating (dB)							Card Alone
		29.6	29	28	27	26	20	16	
HG2401U	1	0.228	0.199	0.158	0.126	0.100	0.025	0.010	0.009
HG2402RD	2	0.288	0.250	0.199	0.158	0.126	0.032	0.013	0.011
HG2403RD	3	0.362	0.315	0.250	0.199	0.158	0.040	0.016	0.014
HG2403UR	3	0.362	0.315	0.250	0.199	0.158	0.040	0.016	0.014
HG2404CU	3	0.362	0.315	0.250	0.199	0.158	0.040	0.016	0.014
HGV-2404U	4	0.456	0.397	0.315	0.250	0.199	0.050	0.020	0.018
HG2405RD	5	0.574	0.500	0.397	0.315	0.250	0.063	0.025	0.022
RE05E	5	0.574	0.500	0.397	0.315	0.250	0.063	0.025	0.022
RE05U	5	0.574	0.500	0.397	0.315	0.250	0.063	0.025	0.022
HG2405	5	0.574	0.500	0.397	0.315	0.250	0.063	0.025	-
HGV-2406U	6	0.722	0.629	0.500	0.397	0.315	0.079	0.032	-
HG2406U	6	0.722	0.629	0.500	0.397	0.315	0.079	0.032	-
HG2407U	7	N/A	0.792	0.629	0.500	0.397	0.100	0.040	-
HG2408U	8	N/A	0.997	0.792	0.629	0.500	0.126	0.050	-
HG2409U	8.5	N/A	N/A	0.889	0.706	0.561	0.141	0.056	-
HGV-2409U	8.5	N/A	N/A	0.889	0.706	0.561	0.141	0.056	-
HG2410U	10	N/A	N/A	0.050	0.997	0.792	0.199	0.079	-
HG2412U	12	N/A	N/A	N/A	0.063	0.050	0.315	0.126	-
HG2415U-PRO	15	N/A	N/A	N/A	N/A	0.100	0.629	0.250	-

Configurations in BLACK Can be used in either MOBILE OR FIXED MOUNTED Installations (RF Exposure @ 20 cm)

Configurations in RED can only be used in FIXED MOUNTED Installations (RF Exposure @ 100 cm)

Configurations with N/A are not permissible, via. FCC 15.247(b)(4)(i)