

RF Output Power

FCC Part 22H

B5, Normal

Mode	Conducted Power (dBm)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
1.4MHz_Low_QPSK_1@0	23.17	18.68	0.074	7	Pass
1.4MHz_Low_QPSK_1@3	23.13	18.64	0.073	7	Pass
1.4MHz_Low_QPSK_1@5	23.17	18.68	0.074	7	Pass
1.4MHz_Low_QPSK_3@0	23.17	18.68	0.074	7	Pass
1.4MHz_Low_QPSK_3@1	23.11	18.62	0.073	7	Pass
1.4MHz_Low_QPSK_3@3	23.17	18.68	0.074	7	Pass
1.4MHz_Low_QPSK_6@0	23.20	18.71	0.074	7	Pass
1.4MHz_Low_16QAM_1@0	23.20	18.71	0.074	7	Pass
1.4MHz_Low_16QAM_1@3	23.17	18.68	0.074	7	Pass
1.4MHz_Low_16QAM_1@5	23.13	18.64	0.073	7	Pass
1.4MHz_Low_16QAM_3@0	23.14	18.65	0.073	7	Pass
1.4MHz_Low_16QAM_3@1	23.11	18.62	0.073	7	Pass
1.4MHz_Low_16QAM_3@3	23.12	18.63	0.073	7	Pass
1.4MHz_Low_16QAM_6@0	23.14	18.65	0.073	7	Pass
1.4MHz_Middle_QPSK_1@0	22.84	18.35	0.068	7	Pass
1.4MHz_Middle_QPSK_1@3	22.73	18.24	0.067	7	Pass
1.4MHz_Middle_QPSK_1@5	22.71	18.22	0.066	7	Pass
1.4MHz_Middle_QPSK_3@0	22.63	18.14	0.065	7	Pass
1.4MHz_Middle_QPSK_3@1	22.78	18.29	0.067	7	Pass
1.4MHz_Middle_QPSK_3@3	22.73	18.24	0.067	7	Pass
1.4MHz_Middle_QPSK_6@0	22.74	18.25	0.067	7	Pass
1.4MHz_Middle_16QAM_1@0	22.65	18.16	0.065	7	Pass
1.4MHz_Middle_16QAM_1@3	22.69	18.20	0.066	7	Pass
1.4MHz_Middle_16QAM_1@5	22.64	18.15	0.065	7	Pass
1.4MHz_Middle_16QAM_3@0	22.64	18.15	0.065	7	Pass
1.4MHz_Middle_16QAM_3@1	22.66	18.17	0.066	7	Pass
1.4MHz_Middle_16QAM_3@3	22.67	18.18	0.066	7	Pass
1.4MHz_Middle_16QAM_6@0	22.75	18.26	0.067	7	Pass
1.4MHz_High_QPSK_1@0	23.32	18.83	0.076	7	Pass
1.4MHz_High_QPSK_1@3	23.40	18.91	0.078	7	Pass
1.4MHz_High_QPSK_1@5	23.39	18.90	0.078	7	Pass

Mode	Conducted Power (dBm)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
1.4MHz_High_QPSK_3@0	23.31	18.82	0.076	7	Pass
1.4MHz_High_QPSK_3@1	23.31	18.82	0.076	7	Pass
1.4MHz_High_QPSK_3@3	23.34	18.85	0.077	7	Pass
1.4MHz_High_QPSK_6@0	23.35	18.86	0.077	7	Pass
1.4MHz_High_16QAM_1@0	23.32	18.83	0.076	7	Pass
1.4MHz_High_16QAM_1@3	23.32	18.83	0.076	7	Pass
1.4MHz_High_16QAM_1@5	23.30	18.81	0.076	7	Pass
1.4MHz_High_16QAM_3@0	23.27	18.78	0.076	7	Pass
1.4MHz_High_16QAM_3@1	23.29	18.80	0.076	7	Pass
1.4MHz_High_16QAM_3@3	23.33	18.84	0.077	7	Pass
1.4MHz_High_16QAM_6@0	23.23	18.74	0.075	7	Pass
3MHz_Low_QPSK_1@0	23.05	18.56	0.072	7	Pass
3MHz_Low_QPSK_1@14	23.21	18.72	0.074	7	Pass
3MHz_Low_QPSK_1@8	23.16	18.67	0.074	7	Pass
3MHz_Low_QPSK_15@0	23.16	18.67	0.074	7	Pass
3MHz_Low_QPSK_8@0	23.18	18.69	0.074	7	Pass
3MHz_Low_QPSK_8@4	23.26	18.77	0.075	7	Pass
3MHz_Low_QPSK_8@7	23.21	18.72	0.074	7	Pass
3MHz_Low_16QAM_1@0	23.18	18.69	0.074	7	Pass
3MHz_Low_16QAM_1@14	23.23	18.74	0.075	7	Pass
3MHz_Low_16QAM_1@8	23.20	18.71	0.074	7	Pass
3MHz_Low_16QAM_15@0	23.20	18.71	0.074	7	Pass
3MHz_Low_16QAM_8@0	23.25	18.76	0.075	7	Pass
3MHz_Low_16QAM_8@4	23.19	18.70	0.074	7	Pass
3MHz_Low_16QAM_8@7	23.18	18.69	0.074	7	Pass
3MHz_Middle_QPSK_1@0	22.78	18.29	0.067	7	Pass
3MHz_Middle_QPSK_1@14	22.72	18.23	0.067	7	Pass
3MHz_Middle_QPSK_1@8	22.76	18.27	0.067	7	Pass
3MHz_Middle_QPSK_15@0	22.79	18.30	0.068	7	Pass
3MHz_Middle_QPSK_8@0	22.76	18.27	0.067	7	Pass
3MHz_Middle_QPSK_8@4	22.72	18.23	0.067	7	Pass
3MHz_Middle_QPSK_8@7	22.69	18.20	0.066	7	Pass
3MHz_Middle_16QAM_1@0	22.82	18.33	0.068	7	Pass
3MHz_Middle_16QAM_1@14	22.87	18.38	0.069	7	Pass
3MHz_Middle_16QAM_1@8	22.70	18.21	0.066	7	Pass

Mode	Conducted Power (dBm)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
3MHz_Middle_16QAM_15@0	22.79	18.30	0.068	7	Pass
3MHz_Middle_16QAM_8@0	22.81	18.32	0.068	7	Pass
3MHz_Middle_16QAM_8@4	22.75	18.26	0.067	7	Pass
3MHz_Middle_16QAM_8@7	22.73	18.24	0.067	7	Pass
3MHz_High_QPSK_1@0	23.28	18.79	0.076	7	Pass
3MHz_High_QPSK_1@14	23.33	18.84	0.077	7	Pass
3MHz_High_QPSK_1@8	23.36	18.87	0.077	7	Pass
3MHz_High_QPSK_15@0	23.36	18.87	0.077	7	Pass
3MHz_High_QPSK_8@0	23.31	18.82	0.076	7	Pass
3MHz_High_QPSK_8@4	23.38	18.89	0.077	7	Pass
3MHz_High_QPSK_8@7	23.30	18.81	0.076	7	Pass
3MHz_High_16QAM_1@0	23.39	18.90	0.078	7	Pass
3MHz_High_16QAM_1@14	23.38	18.89	0.077	7	Pass
3MHz_High_16QAM_1@8	23.33	18.84	0.077	7	Pass
3MHz_High_16QAM_15@0	23.33	18.84	0.077	7	Pass
3MHz_High_16QAM_8@0	23.29	18.80	0.076	7	Pass
3MHz_High_16QAM_8@4	23.31	18.82	0.076	7	Pass
3MHz_High_16QAM_8@7	23.36	18.87	0.077	7	Pass
5MHz_Low_QPSK_1@0	23.13	18.64	0.073	7	Pass
5MHz_Low_QPSK_1@12	23.26	18.77	0.075	7	Pass
5MHz_Low_QPSK_1@24	23.21	18.72	0.074	7	Pass
5MHz_Low_QPSK_12@0	23.20	18.71	0.074	7	Pass
5MHz_Low_QPSK_12@13	23.30	18.81	0.076	7	Pass
5MHz_Low_QPSK_12@7	23.22	18.73	0.075	7	Pass
5MHz_Low_QPSK_25@0	23.30	18.81	0.076	7	Pass
5MHz_Low_16QAM_1@0	23.20	18.71	0.074	7	Pass
5MHz_Low_16QAM_1@12	23.27	18.78	0.076	7	Pass
5MHz_Low_16QAM_1@24	23.21	18.72	0.074	7	Pass
5MHz_Low_16QAM_12@0	23.20	18.71	0.074	7	Pass
5MHz_Low_16QAM_12@13	23.24	18.75	0.075	7	Pass
5MHz_Low_16QAM_12@7	23.23	18.74	0.075	7	Pass
5MHz_Low_16QAM_25@0	23.21	18.72	0.074	7	Pass
5MHz_Middle_QPSK_1@0	22.63	18.14	0.065	7	Pass
5MHz_Middle_QPSK_1@12	22.68	18.19	0.066	7	Pass
5MHz_Middle_QPSK_1@24	22.62	18.13	0.065	7	Pass

Mode	Conducted Power (dBm)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
5MHz_Middle_QPSK_12@0	22.62	18.13	0.065	7	Pass
5MHz_Middle_QPSK_12@13	22.62	18.13	0.065	7	Pass
5MHz_Middle_QPSK_12@7	22.61	18.12	0.065	7	Pass
5MHz_Middle_QPSK_25@0	22.70	18.21	0.066	7	Pass
5MHz_Middle_16QAM_1@0	22.68	18.19	0.066	7	Pass
5MHz_Middle_16QAM_1@12	22.64	18.15	0.065	7	Pass
5MHz_Middle_16QAM_1@24	22.70	18.21	0.066	7	Pass
5MHz_Middle_16QAM_12@0	22.64	18.15	0.065	7	Pass
5MHz_Middle_16QAM_12@13	22.72	18.23	0.067	7	Pass
5MHz_Middle_16QAM_12@7	22.65	18.16	0.065	7	Pass
5MHz_Middle_16QAM_25@0	22.71	18.22	0.066	7	Pass
5MHz_High_QPSK_1@0	23.28	18.79	0.076	7	Pass
5MHz_High_QPSK_1@12	23.31	18.82	0.076	7	Pass
5MHz_High_QPSK_1@24	23.35	18.86	0.077	7	Pass
5MHz_High_QPSK_12@0	23.34	18.85	0.077	7	Pass
5MHz_High_QPSK_12@13	23.37	18.88	0.077	7	Pass
5MHz_High_QPSK_12@7	23.37	18.88	0.077	7	Pass
5MHz_High_QPSK_25@0	23.28	18.79	0.076	7	Pass
5MHz_High_16QAM_1@0	23.27	18.78	0.076	7	Pass
5MHz_High_16QAM_1@12	23.27	18.78	0.076	7	Pass
5MHz_High_16QAM_1@24	23.32	18.83	0.076	7	Pass
5MHz_High_16QAM_12@0	23.34	18.85	0.077	7	Pass
5MHz_High_16QAM_12@13	23.31	18.82	0.076	7	Pass
5MHz_High_16QAM_12@7	23.31	18.82	0.076	7	Pass
5MHz_High_16QAM_25@0	23.31	18.82	0.076	7	Pass
10MHz_Low_QPSK_1@0	23.16	18.67	0.074	7	Pass
10MHz_Low_QPSK_1@25	23.23	18.74	0.075	7	Pass
10MHz_Low_QPSK_1@49	23.22	18.73	0.075	7	Pass
10MHz_Low_QPSK_25@0	23.23	18.74	0.075	7	Pass
10MHz_Low_QPSK_25@12	23.19	18.70	0.074	7	Pass
10MHz_Low_QPSK_25@25	23.21	18.72	0.074	7	Pass
10MHz_Low_QPSK_50@0	23.23	18.74	0.075	7	Pass
10MHz_Low_16QAM_1@0	23.20	18.71	0.074	7	Pass
10MHz_Low_16QAM_1@25	23.17	18.68	0.074	7	Pass
10MHz_Low_16QAM_1@49	23.23	18.74	0.075	7	Pass

Mode	Conducted Power (dBm)	ERP (dBm)	ERP (W)	Limit (W)	Verdict
10MHz_Low_16QAM_25@0	23.22	18.73	0.075	7	Pass
10MHz_Low_16QAM_25@12	23.16	18.67	0.074	7	Pass
10MHz_Low_16QAM_25@25	23.18	18.69	0.074	7	Pass
10MHz_Low_16QAM_50@0	23.17	18.68	0.074	7	Pass
10MHz_Middle_QPSK_1@0	22.66	18.17	0.066	7	Pass
10MHz_Middle_QPSK_1@25	22.64	18.15	0.065	7	Pass
10MHz_Middle_QPSK_1@49	22.70	18.21	0.066	7	Pass
10MHz_Middle_QPSK_25@0	22.65	18.16	0.065	7	Pass
10MHz_Middle_QPSK_25@12	22.67	18.18	0.066	7	Pass
10MHz_Middle_QPSK_25@25	22.68	18.19	0.066	7	Pass
10MHz_Middle_QPSK_50@0	22.70	18.21	0.066	7	Pass
10MHz_Middle_16QAM_1@0	22.66	18.17	0.066	7	Pass
10MHz_Middle_16QAM_1@25	22.68	18.19	0.066	7	Pass
10MHz_Middle_16QAM_1@49	22.69	18.20	0.066	7	Pass
10MHz_Middle_16QAM_25@0	22.69	18.20	0.066	7	Pass
10MHz_Middle_16QAM_25@12	22.68	18.19	0.066	7	Pass
10MHz_Middle_16QAM_25@25	22.72	18.23	0.067	7	Pass
10MHz_Middle_16QAM_50@0	22.72	18.23	0.067	7	Pass
10MHz_High_QPSK_1@0	22.96	18.47	0.070	7	Pass
10MHz_High_QPSK_1@25	22.91	18.42	0.070	7	Pass
10MHz_High_QPSK_1@49	22.87	18.38	0.069	7	Pass
10MHz_High_QPSK_25@0	22.88	18.39	0.069	7	Pass
10MHz_High_QPSK_25@12	22.92	18.43	0.070	7	Pass
10MHz_High_QPSK_25@25	22.90	18.41	0.069	7	Pass
10MHz_High_QPSK_50@0	22.89	18.40	0.069	7	Pass
10MHz_High_16QAM_1@0	22.96	18.47	0.070	7	Pass
10MHz_High_16QAM_1@25	22.91	18.42	0.070	7	Pass
10MHz_High_16QAM_1@49	22.96	18.47	0.070	7	Pass
10MHz_High_16QAM_25@0	22.94	18.45	0.070	7	Pass
10MHz_High_16QAM_25@12	22.92	18.43	0.070	7	Pass
10MHz_High_16QAM_25@25	22.92	18.43	0.070	7	Pass
10MHz_High_16QAM_50@0	22.89	18.40	0.069	7	Pass

Note:

ERP = Conducted Power(dBm) - L_c(dB) + G_T(dBd)

G_T(dBd) = G_T(dBi) - 2.15

B5:

1.Ant Gain = -1.84dBi;

2.C_L = signal attenuation in the connecting cable between the transmitter and antenna in 0.5dB