

RF Output Power

FCC Part 24E

B2, Normal

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
1.4MHz_Low_QPSK_1@0	19.42	19.49	0.089	2	Pass
1.4MHz_Low_QPSK_1@3	19.60	19.67	0.093	2	Pass
1.4MHz_Low_QPSK_1@5	19.25	19.32	0.086	2	Pass
1.4MHz_Low_QPSK_3@0	19.41	19.48	0.089	2	Pass
1.4MHz_Low_QPSK_3@1	19.49	19.56	0.090	2	Pass
1.4MHz_Low_QPSK_3@3	19.43	19.50	0.089	2	Pass
1.4MHz_Low_QPSK_6@0	18.26	18.33	0.068	2	Pass
1.4MHz_Low_16QAM_1@0	17.91	17.98	0.063	2	Pass
1.4MHz_Low_16QAM_1@3	18.19	18.26	0.067	2	Pass
1.4MHz_Low_16QAM_1@5	17.97	18.04	0.064	2	Pass
1.4MHz_Low_16QAM_3@0	18.42	18.49	0.071	2	Pass
1.4MHz_Low_16QAM_3@1	18.52	18.59	0.072	2	Pass
1.4MHz_Low_16QAM_3@3	18.45	18.52	0.071	2	Pass
1.4MHz_Low_16QAM_6@0	17.61	17.68	0.059	2	Pass
1.4MHz_Middle_QPSK_1@0	19.06	19.13	0.082	2	Pass
1.4MHz_Middle_QPSK_1@3	19.28	19.35	0.086	2	Pass
1.4MHz_Middle_QPSK_1@5	19.03	19.10	0.081	2	Pass
1.4MHz_Middle_QPSK_3@0	19.24	19.31	0.085	2	Pass
1.4MHz_Middle_QPSK_3@1	19.31	19.38	0.087	2	Pass
1.4MHz_Middle_QPSK_3@3	19.22	19.29	0.085	2	Pass
1.4MHz_Middle_QPSK_6@0	18.11	18.18	0.066	2	Pass
1.4MHz_Middle_16QAM_1@0	17.84	17.91	0.062	2	Pass
1.4MHz_Middle_16QAM_1@3	18.09	18.16	0.065	2	Pass
1.4MHz_Middle_16QAM_1@5	17.84	17.91	0.062	2	Pass
1.4MHz_Middle_16QAM_3@0	18.34	18.41	0.069	2	Pass
1.4MHz_Middle_16QAM_3@1	18.40	18.47	0.070	2	Pass
1.4MHz_Middle_16QAM_3@3	18.31	18.38	0.069	2	Pass
1.4MHz_Middle_16QAM_6@0	17.42	17.49	0.056	2	Pass
1.4MHz_High_QPSK_1@0	19.55	19.62	0.092	2	Pass
1.4MHz_High_QPSK_1@3	19.53	19.60	0.091	2	Pass
1.4MHz_High_QPSK_1@5	19.14	19.21	0.083	2	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
1.4MHz_High_QPSK_3@0	19.33	19.40	0.087	2	Pass
1.4MHz_High_QPSK_3@1	19.35	19.42	0.087	2	Pass
1.4MHz_High_QPSK_3@3	19.11	19.18	0.083	2	Pass
1.4MHz_High_QPSK_6@0	17.96	18.03	0.064	2	Pass
1.4MHz_High_16QAM_1@0	18.45	18.52	0.071	2	Pass
1.4MHz_High_16QAM_1@3	18.54	18.61	0.073	2	Pass
1.4MHz_High_16QAM_1@5	18.16	18.23	0.067	2	Pass
1.4MHz_High_16QAM_3@0	18.48	18.55	0.072	2	Pass
1.4MHz_High_16QAM_3@1	18.52	18.59	0.072	2	Pass
1.4MHz_High_16QAM_3@3	18.34	18.41	0.069	2	Pass
1.4MHz_High_16QAM_6@0	17.10	17.17	0.052	2	Pass
3MHz_Low_QPSK_1@0	20.06	20.13	0.103	2	Pass
3MHz_Low_QPSK_1@14	20	20.07	0.102	2	Pass
3MHz_Low_QPSK_1@8	20.17	20.24	0.106	2	Pass
3MHz_Low_QPSK_15@0	18.83	18.90	0.078	2	Pass
3MHz_Low_QPSK_8@0	18.83	18.90	0.078	2	Pass
3MHz_Low_QPSK_8@4	18.89	18.96	0.079	2	Pass
3MHz_Low_QPSK_8@7	18.83	18.90	0.078	2	Pass
3MHz_Low_16QAM_1@0	19.08	19.15	0.082	2	Pass
3MHz_Low_16QAM_1@14	19.10	19.17	0.083	2	Pass
3MHz_Low_16QAM_1@8	19.89	19.96	0.099	2	Pass
3MHz_Low_16QAM_15@0	18.67	18.74	0.075	2	Pass
3MHz_Low_16QAM_8@0	18.78	18.85	0.077	2	Pass
3MHz_Low_16QAM_8@4	18.84	18.91	0.078	2	Pass
3MHz_Low_16QAM_8@7	18.77	18.84	0.077	2	Pass
3MHz_Middle_QPSK_1@0	19.59	19.66	0.092	2	Pass
3MHz_Middle_QPSK_1@14	19.59	19.66	0.092	2	Pass
3MHz_Middle_QPSK_1@8	19.78	19.85	0.097	2	Pass
3MHz_Middle_QPSK_15@0	18.70	18.77	0.075	2	Pass
3MHz_Middle_QPSK_8@0	18.70	18.77	0.075	2	Pass
3MHz_Middle_QPSK_8@4	18.77	18.84	0.077	2	Pass
3MHz_Middle_QPSK_8@7	18.72	18.79	0.076	2	Pass
3MHz_Middle_16QAM_1@0	18.41	18.48	0.070	2	Pass
3MHz_Middle_16QAM_1@14	18.41	18.48	0.070	2	Pass
3MHz_Middle_16QAM_1@8	18.60	18.67	0.074	2	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
3MHz_Middle_16QAM_15@0	17.76	17.83	0.061	2	Pass
3MHz_Middle_16QAM_8@0	17.80	17.87	0.061	2	Pass
3MHz_Middle_16QAM_8@4	17.87	17.94	0.062	2	Pass
3MHz_Middle_16QAM_8@7	17.82	17.89	0.062	2	Pass
3MHz_High_QPSK_1@0	19.69	19.76	0.095	2	Pass
3MHz_High_QPSK_1@14	18.92	18.99	0.079	2	Pass
3MHz_High_QPSK_1@8	20.08	20.15	0.104	2	Pass
3MHz_High_QPSK_15@0	19.01	19.08	0.081	2	Pass
3MHz_High_QPSK_8@0	18.95	19.02	0.080	2	Pass
3MHz_High_QPSK_8@4	18.32	18.39	0.069	2	Pass
3MHz_High_QPSK_8@7	18.10	18.17	0.066	2	Pass
3MHz_High_16QAM_1@0	19.21	19.28	0.085	2	Pass
3MHz_High_16QAM_1@14	19.20	19.27	0.085	2	Pass
3MHz_High_16QAM_1@8	19.70	19.77	0.095	2	Pass
3MHz_High_16QAM_15@0	18.92	18.99	0.079	2	Pass
3MHz_High_16QAM_8@0	19.08	19.15	0.082	2	Pass
3MHz_High_16QAM_8@4	18.13	18.20	0.066	2	Pass
3MHz_High_16QAM_8@7	17.92	17.99	0.063	2	Pass
5MHz_Low_QPSK_1@0	19.92	19.99	0.100	2	Pass
5MHz_Low_QPSK_1@12	21.02	21.09	0.129	2	Pass
5MHz_Low_QPSK_1@24	20.33	20.40	0.110	2	Pass
5MHz_Low_QPSK_12@0	19.90	19.97	0.099	2	Pass
5MHz_Low_QPSK_12@13	19.85	19.92	0.098	2	Pass
5MHz_Low_QPSK_12@7	20.04	20.11	0.103	2	Pass
5MHz_Low_QPSK_25@0	19.87	19.94	0.099	2	Pass
5MHz_Low_16QAM_1@0	20.11	20.18	0.104	2	Pass
5MHz_Low_16QAM_1@12	20.70	20.77	0.119	2	Pass
5MHz_Low_16QAM_1@24	20.04	20.11	0.103	2	Pass
5MHz_Low_16QAM_12@0	19.12	19.19	0.083	2	Pass
5MHz_Low_16QAM_12@13	19.08	19.15	0.082	2	Pass
5MHz_Low_16QAM_12@7	19.29	19.36	0.086	2	Pass
5MHz_Low_16QAM_25@0	19.13	19.20	0.083	2	Pass
5MHz_Middle_QPSK_1@0	20.48	20.55	0.114	2	Pass
5MHz_Middle_QPSK_1@12	21.18	21.25	0.133	2	Pass
5MHz_Middle_QPSK_1@24	20.49	20.56	0.114	2	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
5MHz_Middle_QPSK_12@0	19.84	19.91	0.098	2	Pass
5MHz_Middle_QPSK_12@13	19.85	19.92	0.098	2	Pass
5MHz_Middle_QPSK_12@7	20.07	20.14	0.103	2	Pass
5MHz_Middle_QPSK_25@0	19.85	19.92	0.098	2	Pass
5MHz_Middle_16QAM_1@0	19.41	19.48	0.089	2	Pass
5MHz_Middle_16QAM_1@12	20.12	20.19	0.104	2	Pass
5MHz_Middle_16QAM_1@24	19.42	19.49	0.089	2	Pass
5MHz_Middle_16QAM_12@0	18.95	19.02	0.080	2	Pass
5MHz_Middle_16QAM_12@13	18.97	19.04	0.080	2	Pass
5MHz_Middle_16QAM_12@7	18.53	18.60	0.072	2	Pass
5MHz_Middle_16QAM_25@0	18.28	18.35	0.068	2	Pass
5MHz_High_QPSK_1@0	20.43	20.50	0.112	2	Pass
5MHz_High_QPSK_1@12	20.97	21.04	0.127	2	Pass
5MHz_High_QPSK_1@24	19.74	19.81	0.096	2	Pass
5MHz_High_QPSK_12@0	19.84	19.91	0.098	2	Pass
5MHz_High_QPSK_12@13	19.44	19.51	0.089	2	Pass
5MHz_High_QPSK_12@7	19.88	19.95	0.099	2	Pass
5MHz_High_QPSK_25@0	19.66	19.73	0.094	2	Pass
5MHz_High_16QAM_1@0	19.53	19.60	0.091	2	Pass
5MHz_High_16QAM_1@12	20.01	20.08	0.102	2	Pass
5MHz_High_16QAM_1@24	18.80	18.87	0.077	2	Pass
5MHz_High_16QAM_12@0	19.04	19.11	0.081	2	Pass
5MHz_High_16QAM_12@13	18.62	18.69	0.074	2	Pass
5MHz_High_16QAM_12@7	19.07	19.14	0.082	2	Pass
5MHz_High_16QAM_25@0	18.80	18.87	0.077	2	Pass
10MHz_Low_QPSK_1@0	20.69	20.76	0.119	2	Pass
10MHz_Low_QPSK_1@25	20.92	20.99	0.126	2	Pass
10MHz_Low_QPSK_1@49	20.70	20.77	0.119	2	Pass
10MHz_Low_QPSK_25@0	19.75	19.82	0.096	2	Pass
10MHz_Low_QPSK_25@12	19.80	19.87	0.097	2	Pass
10MHz_Low_QPSK_25@25	19.76	19.83	0.096	2	Pass
10MHz_Low_QPSK_50@0	19.74	19.81	0.096	2	Pass
10MHz_Low_16QAM_1@0	19.82	19.89	0.097	2	Pass
10MHz_Low_16QAM_1@25	20.15	20.22	0.105	2	Pass
10MHz_Low_16QAM_1@49	19.93	20.00	0.100	2	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
10MHz_Low_16QAM_25@0	18.96	19.03	0.080	2	Pass
10MHz_Low_16QAM_25@12	19.04	19.11	0.081	2	Pass
10MHz_Low_16QAM_25@25	18.99	19.06	0.081	2	Pass
10MHz_Low_16QAM_50@0	18.93	19.00	0.079	2	Pass
10MHz_Middle_QPSK_1@0	20.23	20.30	0.107	2	Pass
10MHz_Middle_QPSK_1@25	21.04	21.11	0.129	2	Pass
10MHz_Middle_QPSK_1@49	20.80	20.87	0.122	2	Pass
10MHz_Middle_QPSK_25@0	19.80	19.87	0.097	2	Pass
10MHz_Middle_QPSK_25@12	20.06	20.13	0.103	2	Pass
10MHz_Middle_QPSK_25@25	20.09	20.16	0.104	2	Pass
10MHz_Middle_QPSK_50@0	19.94	20.01	0.100	2	Pass
10MHz_Middle_16QAM_1@0	19.04	19.11	0.081	2	Pass
10MHz_Middle_16QAM_1@25	19.90	19.97	0.099	2	Pass
10MHz_Middle_16QAM_1@49	19.61	19.68	0.093	2	Pass
10MHz_Middle_16QAM_25@0	19	19.07	0.081	2	Pass
10MHz_Middle_16QAM_25@12	19.23	19.30	0.085	2	Pass
10MHz_Middle_16QAM_25@25	19.28	19.35	0.086	2	Pass
10MHz_Middle_16QAM_50@0	19.09	19.16	0.082	2	Pass
10MHz_High_QPSK_1@0	20.03	20.10	0.102	2	Pass
10MHz_High_QPSK_1@25	21	21.07	0.128	2	Pass
10MHz_High_QPSK_1@49	20.48	20.55	0.114	2	Pass
10MHz_High_QPSK_25@0	19.65	19.72	0.094	2	Pass
10MHz_High_QPSK_25@12	20.03	20.10	0.102	2	Pass
10MHz_High_QPSK_25@25	21.10	21.17	0.131	2	Pass
10MHz_High_QPSK_50@0	20.89	20.96	0.125	2	Pass
10MHz_High_16QAM_1@0	20	20.07	0.102	2	Pass
10MHz_High_16QAM_1@25	21.02	21.09	0.129	2	Pass
10MHz_High_16QAM_1@49	20.54	20.61	0.115	2	Pass
10MHz_High_16QAM_25@0	20.03	20.10	0.102	2	Pass
10MHz_High_16QAM_25@12	19.74	19.81	0.096	2	Pass
10MHz_High_16QAM_25@25	19.25	19.32	0.086	2	Pass
10MHz_High_16QAM_50@0	18.99	19.06	0.081	2	Pass
15MHz_Low_QPSK_1@0	20.93	21.00	0.126	2	Pass
15MHz_Low_QPSK_1@37	20.69	20.76	0.119	2	Pass
15MHz_Low_QPSK_1@74	21.02	21.09	0.129	2	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
15MHz_Low_QPSK_36@0	20.84	20.91	0.123	2	Pass
15MHz_Low_QPSK_36@20	20.61	20.68	0.117	2	Pass
15MHz_Low_QPSK_36@39	20.52	20.59	0.115	2	Pass
15MHz_Low_QPSK_75@0	20.67	20.74	0.119	2	Pass
15MHz_Low_16QAM_1@0	21.15	21.22	0.132	2	Pass
15MHz_Low_16QAM_1@37	20.91	20.98	0.125	2	Pass
15MHz_Low_16QAM_1@74	20.73	20.80	0.120	2	Pass
15MHz_Low_16QAM_36@0	20.07	20.14	0.103	2	Pass
15MHz_Low_16QAM_36@20	19.86	19.93	0.098	2	Pass
15MHz_Low_16QAM_36@39	19.78	19.85	0.097	2	Pass
15MHz_Low_16QAM_75@0	19.91	19.98	0.100	2	Pass
15MHz_Middle_QPSK_1@0	21.39	21.46	0.140	2	Pass
15MHz_Middle_QPSK_1@37	22.16	22.23	0.167	2	Pass
15MHz_Middle_QPSK_1@74	21.46	21.53	0.142	2	Pass
15MHz_Middle_QPSK_36@0	21	21.07	0.128	2	Pass
15MHz_Middle_QPSK_36@20	21.16	21.23	0.133	2	Pass
15MHz_Middle_QPSK_36@39	21.04	21.11	0.129	2	Pass
15MHz_Middle_QPSK_75@0	21.04	21.11	0.129	2	Pass
15MHz_Middle_16QAM_1@0	20.57	20.64	0.116	2	Pass
15MHz_Middle_16QAM_1@37	20.92	20.99	0.126	2	Pass
15MHz_Middle_16QAM_1@74	20.58	20.65	0.116	2	Pass
15MHz_Middle_16QAM_36@0	19.43	19.50	0.089	2	Pass
15MHz_Middle_16QAM_36@20	19.46	19.53	0.090	2	Pass
15MHz_Middle_16QAM_36@39	18.80	18.87	0.077	2	Pass
15MHz_Middle_16QAM_75@0	18.82	18.89	0.077	2	Pass
15MHz_High_QPSK_1@0	19.83	19.90	0.098	2	Pass
15MHz_High_QPSK_1@37	21.37	21.44	0.139	2	Pass
15MHz_High_QPSK_1@74	20.99	21.06	0.128	2	Pass
15MHz_High_QPSK_36@0	20.20	20.27	0.106	2	Pass
15MHz_High_QPSK_36@20	20.56	20.63	0.116	2	Pass
15MHz_High_QPSK_36@39	20.79	20.86	0.122	2	Pass
15MHz_High_QPSK_75@0	20.52	20.59	0.115	2	Pass
15MHz_High_16QAM_1@0	19.87	19.94	0.099	2	Pass
15MHz_High_16QAM_1@37	20.46	20.53	0.113	2	Pass
15MHz_High_16QAM_1@74	20.14	20.21	0.105	2	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
15MHz_High_16QAM_36@0	19.40	19.47	0.089	2	Pass
15MHz_High_16QAM_36@20	19.76	19.83	0.096	2	Pass
15MHz_High_16QAM_36@39	19.96	20.03	0.101	2	Pass
15MHz_High_16QAM_75@0	19.69	19.76	0.095	2	Pass
20MHz_Low_QPSK_1@0	21.22	21.29	0.135	2	Pass
20MHz_Low_QPSK_1@49	20.89	20.96	0.125	2	Pass
20MHz_Low_QPSK_1@99	21.88	21.95	0.157	2	Pass
20MHz_Low_QPSK_100@0	20.35	20.42	0.110	2	Pass
20MHz_Low_QPSK_50@0	20.20	20.27	0.106	2	Pass
20MHz_Low_QPSK_50@24	20.14	20.21	0.105	2	Pass
20MHz_Low_QPSK_50@50	20.52	20.59	0.115	2	Pass
20MHz_Low_16QAM_1@0	20.77	20.84	0.121	2	Pass
20MHz_Low_16QAM_1@49	20.36	20.43	0.110	2	Pass
20MHz_Low_16QAM_1@99	21.48	21.55	0.143	2	Pass
20MHz_Low_16QAM_100@0	19.59	19.66	0.092	2	Pass
20MHz_Low_16QAM_50@0	19.49	19.56	0.090	2	Pass
20MHz_Low_16QAM_50@24	19.45	19.52	0.090	2	Pass
20MHz_Low_16QAM_50@50	19.81	19.88	0.097	2	Pass
20MHz_Middle_QPSK_1@0	20.87	20.94	0.124	2	Pass
20MHz_Middle_QPSK_1@49	21.92	21.99	0.158	2	Pass
20MHz_Middle_QPSK_1@99	21.93	22.00	0.158	2	Pass
20MHz_Middle_QPSK_100@0	21.01	21.08	0.128	2	Pass
20MHz_Middle_QPSK_50@0	20.85	20.92	0.124	2	Pass
20MHz_Middle_QPSK_50@24	20.48	20.55	0.114	2	Pass
20MHz_Middle_QPSK_50@50	20.51	20.58	0.114	2	Pass
20MHz_Middle_16QAM_1@0	20.03	20.10	0.102	2	Pass
20MHz_Middle_16QAM_1@49	20.67	20.74	0.119	2	Pass
20MHz_Middle_16QAM_1@99	20.15	20.22	0.105	2	Pass
20MHz_Middle_16QAM_100@0	18.79	18.86	0.077	2	Pass
20MHz_Middle_16QAM_50@0	18.66	18.73	0.075	2	Pass
20MHz_Middle_16QAM_50@24	18.97	19.04	0.080	2	Pass
20MHz_Middle_16QAM_50@50	19.05	19.12	0.082	2	Pass
20MHz_High_QPSK_1@0	20.27	20.34	0.108	2	Pass
20MHz_High_QPSK_1@49	20.09	20.16	0.104	2	Pass
20MHz_High_QPSK_1@99	20.77	20.84	0.121	2	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Verdict
20MHz_High_QPSK_100@0	19.93	20.00	0.100	2	Pass
20MHz_High_QPSK_50@0	19.51	19.58	0.091	2	Pass
20MHz_High_QPSK_50@24	19.78	19.85	0.097	2	Pass
20MHz_High_QPSK_50@50	20.34	20.41	0.110	2	Pass
20MHz_High_16QAM_1@0	20.43	20.50	0.112	2	Pass
20MHz_High_16QAM_1@49	20.26	20.33	0.108	2	Pass
20MHz_High_16QAM_1@99	20.98	21.05	0.127	2	Pass
20MHz_High_16QAM_100@0	18.95	19.02	0.080	2	Pass
20MHz_High_16QAM_50@0	18.12	18.19	0.066	2	Pass
20MHz_High_16QAM_50@24	18.40	18.47	0.070	2	Pass
20MHz_High_16QAM_50@50	18.96	19.03	0.080	2	Pass

Note:

EIRP = Conducted Power(dBm) - L_C(dB) + G_T(dBi)

B2:

1.Ant Gain = 0.87dBi;

2.C_L = signal attenuation in the connecting cable between the transmitter and antenna in 0.8dB