

Appendix P-4G Peak-to-average Ratio(PAR)

Peak-to-average Ratio(PAR)

FCC Part 22H

B5, Normal

Mode	Result (dB)	Limit (dB)
10MHz_Low_QPSK_1@0	5.62	13
10MHz_Low_QPSK_50@0	5.16	13
10MHz_Low_16QAM_1@0	6.41	13
10MHz_Low_16QAM_50@0	6.12	13
10MHz_Middle_QPSK_1@0	5.91	13
10MHz_Middle_QPSK_50@0	5.30	13
10MHz_Middle_16QAM_1@0	6.20	13
10MHz_Middle_16QAM_50@0	6.14	13
10MHz_High_QPSK_1@0	5.04	13
10MHz_High_QPSK_50@0	5.28	13
10MHz_High_16QAM_1@0	5.25	13
10MHz_High_16QAM_50@0	6.09	13

B26_2, Normal

Mode	Result (dB)	Limit (dB)
15MHz_Low_QPSK_1@0	5.07	13
15MHz_Low_QPSK_75@0	5.71	13
15MHz_Low_16QAM_1@0	5.80	13
15MHz_Low_16QAM_75@0	6.23	13
15MHz_Middle_QPSK_1@0	5.36	13
15MHz_Middle_QPSK_75@0	5.83	13
15MHz_Middle_16QAM_1@0	6.87	13
15MHz_Middle_16QAM_75@0	6.26	13
15MHz_High_QPSK_1@0	5.86	13
15MHz_High_QPSK_75@0	5.71	13
15MHz_High_16QAM_1@0	6.64	13
15MHz_High_16QAM_75@0	6.23	13

Note: worst case.

FCC Part 24E

B2, Normal

Mode	Result (dB)	Limit (dB)
20MHz_Low_QPSK_1@0	5.65	13
20MHz_Low_QPSK_100@0	5.65	13
20MHz_Low_16QAM_1@0	6.20	13
20MHz_Low_16QAM_100@0	6.38	13
20MHz_Middle_QPSK_1@0	5.74	13
20MHz_Middle_QPSK_100@0	5.45	13
20MHz_Middle_16QAM_1@0	6.93	13
20MHz_Middle_16QAM_100@0	6.29	13
20MHz_High_QPSK_1@0	5.59	13
20MHz_High_QPSK_100@0	5.74	13
20MHz_High_16QAM_1@0	6.38	13
20MHz_High_16QAM_100@0	6.58	13

B25, Normal

Mode	Result (dB)	Limit (dB)
20MHz_Low_QPSK_1@0	5.88	13
20MHz_Low_QPSK_100@0	5.59	13
20MHz_Low_16QAM_1@0	6.78	13
20MHz_Low_16QAM_100@0	6.41	13
20MHz_Middle_QPSK_1@0	5.80	13
20MHz_Middle_QPSK_100@0	5.54	13
20MHz_Middle_16QAM_1@0	6.67	13
20MHz_Middle_16QAM_100@0	6.49	13
20MHz_High_QPSK_1@0	5.71	13
20MHz_High_QPSK_100@0	5.80	13
20MHz_High_16QAM_1@0	6.49	13
20MHz_High_16QAM_100@0	6.46	13

Note: worst case.

FCC Part 27

B4, Normal

Mode	Result (dB)	Limit (dB)
20MHz_Low_QPSK_1@0	4.70	13
20MHz_Low_QPSK_100@0	5.25	13
20MHz_Low_16QAM_1@0	5.39	13
20MHz_Low_16QAM_100@0	6.17	13
20MHz_Middle_QPSK_1@0	5.19	13
20MHz_Middle_QPSK_100@0	5.36	13
20MHz_Middle_16QAM_1@0	5.94	13
20MHz_Middle_16QAM_100@0	6.26	13
20MHz_High_QPSK_1@0	5.01	13
20MHz_High_QPSK_100@0	8.41	13
20MHz_High_16QAM_1@0	5.71	13
20MHz_High_16QAM_100@0	6.49	13

B7, Normal

Mode	Result (dB)	Limit (dB)
20MHz_Low_QPSK_1@0	5.25	13
20MHz_Low_QPSK_100@0	5.28	13
20MHz_Low_16QAM_1@0	6.09	13
20MHz_Low_16QAM_100@0	6.12	13
20MHz_Middle_QPSK_1@0	5.30	13
20MHz_Middle_QPSK_100@0	5.04	13
20MHz_Middle_16QAM_1@0	5.88	13
20MHz_Middle_16QAM_100@0	5.91	13
20MHz_High_QPSK_1@0	5.07	13
20MHz_High_QPSK_100@0	5.28	13
20MHz_High_16QAM_1@0	6.09	13
20MHz_High_16QAM_100@0	6.14	13

B12, Normal

Mode	Result (dB)	Limit (dB)
10MHz_Low_QPSK_1@0	5.51	13
10MHz_Low_QPSK_50@0	5.33	13
10MHz_Low_16QAM_1@0	5.83	13
10MHz_Low_16QAM_50@0	6.17	13
10MHz_Middle_QPSK_1@0	5.77	13
10MHz_Middle_QPSK_50@0	5.10	13
10MHz_Middle_16QAM_1@0	6.09	13
10MHz_Middle_16QAM_50@0	5.97	13
10MHz_High_QPSK_1@0	5.10	13
10MHz_High_QPSK_50@0	5.16	13
10MHz_High_16QAM_1@0	6.41	13
10MHz_High_16QAM_50@0	5.97	13

B13, Normal

Mode	Result (dB)	Limit (dB)
10MHz_Middle_QPSK_1@0	4.14	13
10MHz_Middle_QPSK_50@0	5.07	13
10MHz_Middle_16QAM_1@0	4.03	13
10MHz_Middle_16QAM_50@0	6	13

B38, Normal

Mode	Result (dB)	Limit (dB)
20MHz_Low_QPSK_1@0	5.86	13
20MHz_Low_QPSK_100@0	5.88	13
20MHz_Low_16QAM_1@0	6.29	13
20MHz_Low_16QAM_100@0	6.49	13
20MHz_Middle_QPSK_1@0	5.57	13
20MHz_Middle_QPSK_100@0	5.45	13
20MHz_Middle_16QAM_1@0	6.46	13
20MHz_Middle_16QAM_100@0	6.35	13
20MHz_High_QPSK_1@0	5.42	13
20MHz_High_QPSK_100@0	5.65	13
20MHz_High_16QAM_1@0	6.06	13
20MHz_High_16QAM_100@0	6.52	13

B41, Normal

Mode	Result (dB)	Limit (dB)
20MHz_Low_QPSK_1@0	5.59	13
20MHz_Low_QPSK_100@0	6	13
20MHz_Low_16QAM_1@0	6.32	13
20MHz_Low_16QAM_100@0	6.61	13
20MHz_Middle_QPSK_1@0	6.06	13
20MHz_Middle_QPSK_100@0	8.58	13
20MHz_Middle_16QAM_1@0	6.87	13
20MHz_Middle_16QAM_100@0	6.38	13
20MHz_High_QPSK_1@0	6.03	13
20MHz_High_QPSK_100@0	5.83	13
20MHz_High_16QAM_1@0	7.48	13
20MHz_High_16QAM_100@0	6.64	13

B66, Normal

Mode	Result (dB)	Limit (dB)
20MHz_Low_QPSK_1@0	4.93	13
20MHz_Low_QPSK_100@0	5.36	13
20MHz_Low_16QAM_1@0	5.51	13
20MHz_Low_16QAM_100@0	6.23	13
20MHz_Middle_QPSK_1@0	4.93	13
20MHz_Middle_QPSK_100@0	5.68	13
20MHz_Middle_16QAM_1@0	5.54	13
20MHz_Middle_16QAM_100@0	6.46	13
20MHz_High_QPSK_1@0	5.10	13
20MHz_High_QPSK_100@0	5.45	13
20MHz_High_16QAM_1@0	5.83	13
20MHz_High_16QAM_100@0	6.41	13

B71, Normal

Mode	Result (dB)	Limit (dB)
20MHz_Low_QPSK_1@0	4.64	13
20MHz_Low_QPSK_100@0	5.39	13
20MHz_Low_16QAM_1@0	5.77	13
20MHz_Low_16QAM_100@0	6.43	13
20MHz_Middle_QPSK_1@0	4.99	13
20MHz_Middle_QPSK_100@0	5.45	13
20MHz_Middle_16QAM_1@0	5.80	13
20MHz_Middle_16QAM_100@0	6.38	13
20MHz_High_QPSK_1@0	4.99	13
20MHz_High_QPSK_100@0	5.42	13
20MHz_High_16QAM_1@0	5.80	13
20MHz_High_16QAM_100@0	6.38	13

B17, Normal

Mode	Result (dB)	Limit (dB)
10MHz_Low_QPSK_1@0	4.61	13
10MHz_Low_QPSK_50@0	4.99	13
10MHz_Low_16QAM_1@0	5.04	13
10MHz_Low_16QAM_50@0	5.91	13
10MHz_Middle_QPSK_1@0	5.28	13
10MHz_Middle_QPSK_50@0	5.04	13
10MHz_Middle_16QAM_1@0	5.71	13
10MHz_Middle_16QAM_50@0	6	13
10MHz_High_QPSK_1@0	5.16	13
10MHz_High_QPSK_50@0	5.13	13
10MHz_High_16QAM_1@0	5.59	13
10MHz_High_16QAM_50@0	5.86	13

Note: worst case.

***** **END** *****