

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

Test Information:

Sample No.:	2VVL-2	Test Date:	2025/03/16
Test Site:	RF	Test Mode:	Transmitting
Tester:	Usain Ou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	23.2	Relative Humidity: (%)	46	ATM Pressure: (kPa)	101
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Peak-to-average Ratio(PAR)

FCC Part 22H

B5, Normal

Mode	Result (dB)	Limit (dB)
10MHz_Low_QPSK_1@0	5.33	13
10MHz_Low_QPSK_50@0	5.71	13
10MHz_Low_16QAM_1@0	6.06	13
10MHz_Low_16QAM_50@0	6.49	13
10MHz_Middle_QPSK_1@0	4.87	13
10MHz_Middle_QPSK_50@0	5.30	13
10MHz_Middle_16QAM_1@0	5.74	13
10MHz_Middle_16QAM_50@0	6.12	13
10MHz_High_QPSK_1@0	4.58	13
10MHz_High_QPSK_50@0	5.22	13
10MHz_High_16QAM_1@0	5.86	13
10MHz_High_16QAM_50@0	6.12	13

Note: worst case.

FCC Part 24E

B2, Normal

Mode	Result (dB)	Limit (dB)
20MHz_Low_QPSK_1@0	4.58	13
20MHz_Low_QPSK_100@0	5.54	13
20MHz_Low_16QAM_1@0	5.51	13
20MHz_Low_16QAM_100@0	6.26	13
20MHz_Middle_QPSK_1@0	5.30	13
20MHz_Middle_QPSK_100@0	5.42	13
20MHz_Middle_16QAM_1@0	6.12	13
20MHz_Middle_16QAM_100@0	6.23	13
20MHz_High_QPSK_1@0	4.87	13
20MHz_High_QPSK_100@0	5.48	13
20MHz_High_16QAM_1@0	5.68	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	5.42	13
20MHz_Low_QPSK_100@0	5.48	13
20MHz_Low_16QAM_1@0	6.06	13
20MHz_Low_16QAM_100@0	6.43	13
20MHz_Middle_QPSK_1@0	5.45	13
20MHz_Middle_QPSK_100@0	5.36	13
20MHz_Middle_16QAM_1@0	6.64	13
20MHz_Middle_16QAM_100@0	6.23	13
20MHz_High_QPSK_1@0	4.78	13
20MHz_High_QPSK_100@0	5.28	13
20MHz_High_16QAM_1@0	5.94	13
20MHz_High_16QAM_100@0	6.20	13

B7, Normal

Mode	Result (dB)	Limit (dB)
20MHz_Low_QPSK_1@0	4.87	13
20MHz_Low_QPSK_100@0	5.13	13
20MHz_Low_16QAM_1@0	5.04	13
20MHz_Low_16QAM_100@0	6.09	13
20MHz_Middle_QPSK_1@0	4.75	13
20MHz_Middle_QPSK_100@0	5.28	13
20MHz_Middle_16QAM_1@0	5.36	13
20MHz_Middle_16QAM_100@0	6.35	13
20MHz_High_QPSK_1@0	4.75	13
20MHz_High_QPSK_100@0	5.39	13
20MHz_High_16QAM_1@0	5.54	13
20MHz_High_16QAM_100@0	6.26	13

B12, Normal

Mode	Result (dB)	Limit (dB)
10MHz_Low_QPSK_1@0	5.62	13
10MHz_Low_QPSK_50@0	5.42	13
10MHz_Low_16QAM_1@0	6.35	13
10MHz_Low_16QAM_50@0	6.29	13
10MHz_Middle_QPSK_1@0	5.54	13
10MHz_Middle_QPSK_50@0	5.45	13
10MHz_Middle_16QAM_1@0	6.43	13
10MHz_Middle_16QAM_50@0	6.23	13
10MHz_High_QPSK_1@0	4.70	13
10MHz_High_QPSK_50@0	5.57	13
10MHz_High_16QAM_1@0	6.61	13
10MHz_High_16QAM_50@0	6.46	13

B17, Normal

Mode	Result (dB)	Limit (dB)
10MHz_Low_QPSK_1@0	5.42	13
10MHz_Low_QPSK_50@0	5.59	13
10MHz_Low_16QAM_1@0	5.86	13
10MHz_Low_16QAM_50@0	6.26	13
10MHz_Middle_QPSK_1@0	5.59	13
10MHz_Middle_QPSK_50@0	5.59	13
10MHz_Middle_16QAM_1@0	6.17	13
10MHz_Middle_16QAM_50@0	6.32	13
10MHz_High_QPSK_1@0	5.16	13
10MHz_High_QPSK_50@0	5.57	13
10MHz_High_16QAM_1@0	6.52	13
10MHz_High_16QAM_50@0	6.43	13

B38, Normal

Mode	Result (dB)	Limit (dB)
20MHz_Low_QPSK_1@0	5.22	13
20MHz_Low_QPSK_100@0	5.88	13
20MHz_Low_16QAM_1@0	6.12	13
20MHz_Low_16QAM_100@0	6.75	13
20MHz_Middle_QPSK_1@0	5.28	13
20MHz_Middle_QPSK_100@0	6.03	13
20MHz_Middle_16QAM_1@0	6.29	13
20MHz_Middle_16QAM_100@0	6.96	13
20MHz_High_QPSK_1@0	5.65	13
20MHz_High_QPSK_100@0	6.09	13
20MHz_High_16QAM_1@0	5.94	13
20MHz_High_16QAM_100@0	6.96	13

B66, Normal

Mode	Result (dB)	Limit (dB)
20MHz_Low_QPSK_1@0	5.39	13
20MHz_Low_QPSK_100@0	5.51	13
20MHz_Low_16QAM_1@0	5.74	13
20MHz_Low_16QAM_100@0	6.35	13
20MHz_Middle_QPSK_1@0	5.10	13
20MHz_Middle_QPSK_100@0	5.25	13
20MHz_Middle_16QAM_1@0	6.06	13
20MHz_Middle_16QAM_100@0	6.12	13
20MHz_High_QPSK_1@0	4.75	13
20MHz_High_QPSK_100@0	5.22	13
20MHz_High_16QAM_1@0	6.09	13
20MHz_High_16QAM_100@0	6.23	13

Note: worst case.

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