

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

Test Information:

Sample No.:	34GQ-2	Test Date:	2025/06/20~2025/07/16
Test Site:	RF	Test Mode:	Transmitting
Tester:	Usain Ou	Test Result:	Pass

Environmental Conditions:

Temperature: (°C)	24.1-25.7	Relative Humidity: (%)	42-56	ATM Pressure: (kPa)	99.8-100.8
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Peak-to-average Ratio (PAR)

FCC Part 22H

LTE Band 5, Normal

Mode	Result (dB)	Limit (dB)
10MHz_Low_QPSK_1@0	5.28	13
10MHz_Low_QPSK_50@0	5.57	13
10MHz_Low_16QAM_1@0	6.67	13
10MHz_Low_16QAM_50@0	6.32	13
10MHz_Middle_QPSK_1@0	5.62	13
10MHz_Middle_QPSK_50@0	5.45	13
10MHz_Middle_16QAM_1@0	6.61	13
10MHz_Middle_16QAM_50@0	6.49	13
10MHz_High_QPSK_1@0	6.17	13
10MHz_High_QPSK_50@0	5.51	13
10MHz_High_16QAM_1@0	6.29	13
10MHz_High_16QAM_50@0	6.26	13

LTE B26_2, Normal

Mode	Result (dB)	Limit (dB)
15MHz_Low_QPSK_1@0	5.77	13
15MHz_Low_QPSK_75@0	6.17	13
15MHz_Low_16QAM_1@0	7.04	13
15MHz_Low_16QAM_75@0	6.64	13
15MHz_Middle_QPSK_1@0	6.49	13
15MHz_Middle_QPSK_75@0	6.23	13
15MHz_Middle_16QAM_1@0	7.71	13
15MHz_Middle_16QAM_75@0	6.67	13
15MHz_High_QPSK_1@0	6.12	13
15MHz_High_QPSK_75@0	6.20	13
15MHz_High_16QAM_1@0	6.46	13
15MHz_High_16QAM_75@0	6.67	13

Note: worst case.

FCC Part 24E

LTE Band 2, Normal

Mode	Result (dB)	Limit (dB)
20MHz_Low_QPSK_1@0	6.09	13
20MHz_Low_QPSK_100@0	5.48	13
20MHz_Low_16QAM_1@0	6.14	13
20MHz_Low_16QAM_100@0	6.38	13
20MHz_Middle_QPSK_1@0	5.22	13
20MHz_Middle_QPSK_100@0	5.59	13
20MHz_Middle_16QAM_1@0	7.07	13
20MHz_Middle_16QAM_100@0	6.35	13
20MHz_High_QPSK_1@0	5.68	13
20MHz_High_QPSK_100@0	5.68	13
20MHz_High_16QAM_1@0	7.10	13
20MHz_High_16QAM_100@0	6.52	13

Note: worst case.

FCC Part 27

LTE Band 4, Normal

Mode	Result (dB)	Limit (dB)
20MHz_Low_QPSK_1@0	5.51	13
20MHz_Low_QPSK_100@0	5.62	13
20MHz_Low_16QAM_1@0	5.83	13
20MHz_Low_16QAM_100@0	6.41	13
20MHz_Middle_QPSK_1@0	5.62	13
20MHz_Middle_QPSK_100@0	5.51	13
20MHz_Middle_16QAM_1@0	6	13
20MHz_Middle_16QAM_100@0	6.43	13
20MHz_High_QPSK_1@0	5.36	13
20MHz_High_QPSK_100@0	5.59	13
20MHz_High_16QAM_1@0	6.64	13
20MHz_High_16QAM_100@0	6.46	13

LTE Band 7, Normal

Mode	Result (dB)	Limit (dB)
20MHz_Low_QPSK_1@0	5.91	13
20MHz_Low_QPSK_100@0	5.83	13
20MHz_Low_16QAM_1@0	6.78	13
20MHz_Low_16QAM_100@0	6.67	13
20MHz_Middle_QPSK_1@0	6.12	13
20MHz_Middle_QPSK_100@0	5.74	13
20MHz_Middle_16QAM_1@0	5.88	13
20MHz_Middle_16QAM_100@0	6.78	13
20MHz_High_QPSK_1@0	6.09	13
20MHz_High_QPSK_100@0	5.77	13
20MHz_High_16QAM_1@0	7.30	13
20MHz_High_16QAM_100@0	6.72	13

LTE Band 12, Normal

Mode	Result (dB)	Limit (dB)
10MHz_Low_QPSK_1@0	5.94	13
10MHz_Low_QPSK_50@0	5.30	13
10MHz_Low_16QAM_1@0	7.62	13
10MHz_Low_16QAM_50@0	5.91	13
10MHz_Middle_QPSK_1@0	5.19	13
10MHz_Middle_QPSK_50@0	5.33	13
10MHz_Middle_16QAM_1@0	7.01	13
10MHz_Middle_16QAM_50@0	6.29	13
10MHz_High_QPSK_1@0	6.03	13
10MHz_High_QPSK_50@0	5.45	13
10MHz_High_16QAM_1@0	6.46	13
10MHz_High_16QAM_50@0	6.09	13

LTE Band 17, Normal

Mode	Result (dB)	Limit (dB)
10MHz_Low_QPSK_1@0	6.12	13
10MHz_Low_QPSK_50@0	5.48	13
10MHz_Low_16QAM_1@0	6.61	13
10MHz_Low_16QAM_50@0	6.20	13
10MHz_Middle_QPSK_1@0	5.97	13
10MHz_Middle_QPSK_50@0	5.48	13
10MHz_Middle_16QAM_1@0	7.45	13
10MHz_Middle_16QAM_50@0	6.17	13
10MHz_High_QPSK_1@0	6.23	13
10MHz_High_QPSK_50@0	5.28	13
10MHz_High_16QAM_1@0	6.64	13
10MHz_High_16QAM_50@0	6.29	13

LTE Band 38, Normal

Mode	Result (dB)	Limit (dB)
20MHz_Low_QPSK_1@0	9.91	13
20MHz_Low_QPSK_100@0	4.70	13
20MHz_Low_16QAM_1@0	10.61	13
20MHz_Low_16QAM_100@0	5.65	13
20MHz_Middle_QPSK_1@0	11.30	13
20MHz_Middle_QPSK_100@0	4.67	13
20MHz_Middle_16QAM_1@0	9.83	13
20MHz_Middle_16QAM_100@0	5.57	13
20MHz_High_QPSK_1@0	9.83	13
20MHz_High_QPSK_100@0	4.75	13
20MHz_High_16QAM_1@0	11.51	13
20MHz_High_16QAM_100@0	5.62	13

LTE Band 41, Normal

Mode	Result (dB)	Limit (dB)
20MHz_Low_QPSK_1@0	12.46	13
20MHz_Low_QPSK_100@0	5.77	13
20MHz_Low_16QAM_1@0	10.84	13
20MHz_Low_16QAM_100@0	6.75	13
20MHz_Middle_QPSK_1@0	3.88	13
20MHz_Middle_QPSK_100@0	4.52	13
20MHz_Middle_16QAM_1@0	9.74	13
20MHz_Middle_16QAM_100@0	5.39	13
20MHz_High_QPSK_1@0	4.87	13
20MHz_High_QPSK_100@0	5.04	13
20MHz_High_16QAM_1@0	5.97	13
20MHz_High_16QAM_100@0	6	13

Note: worst case.

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