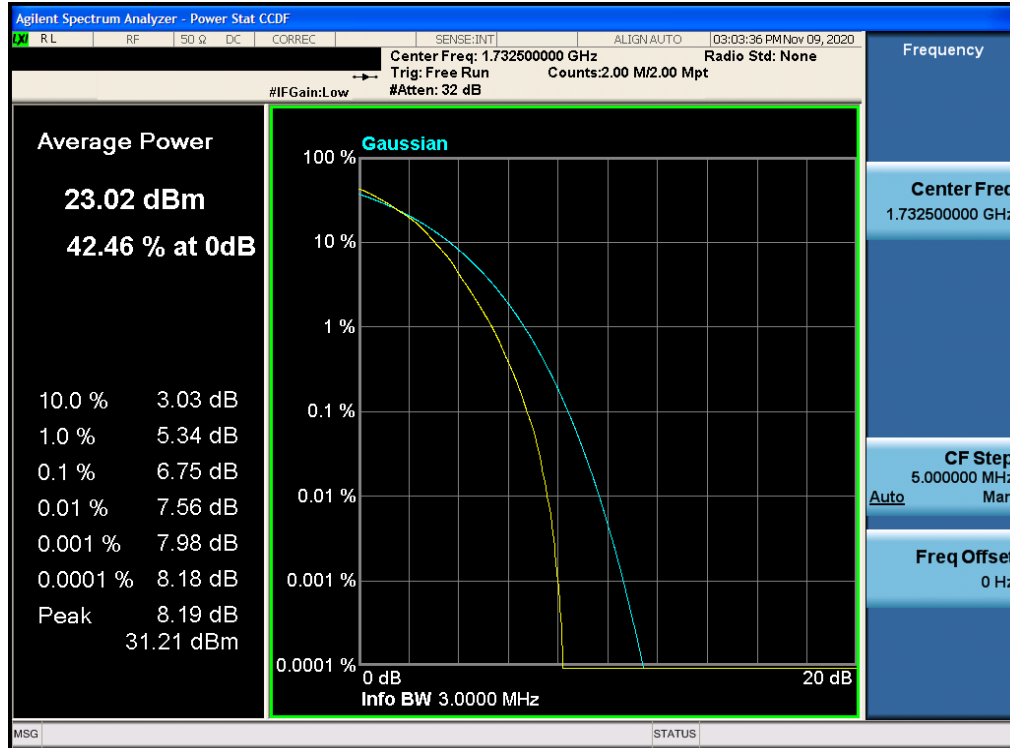
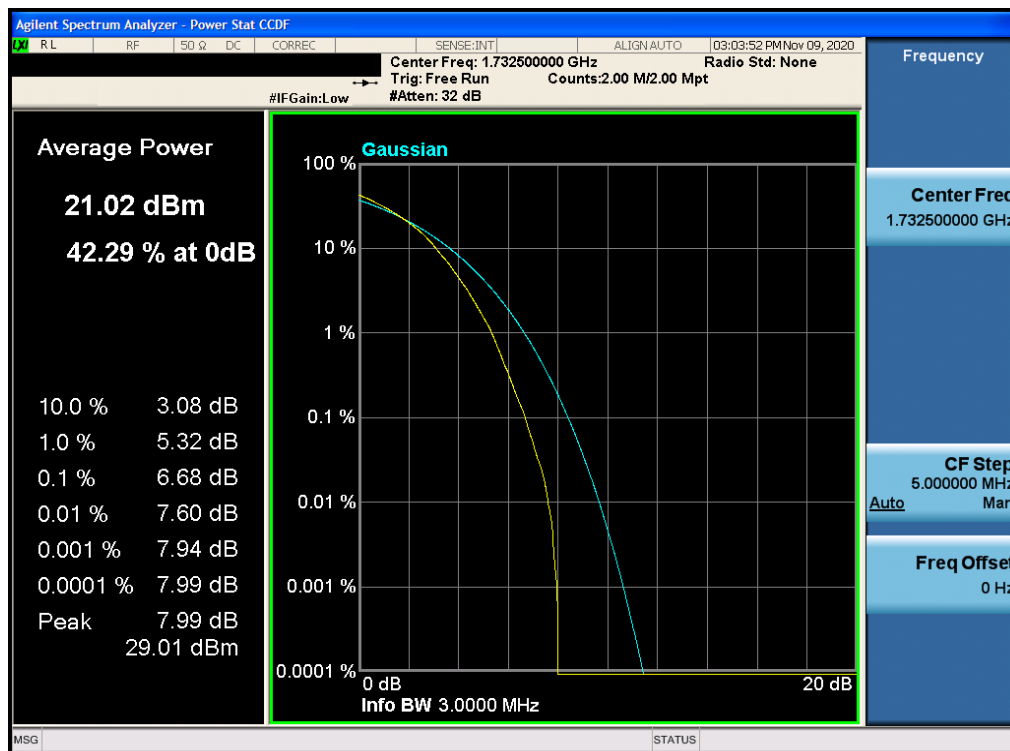


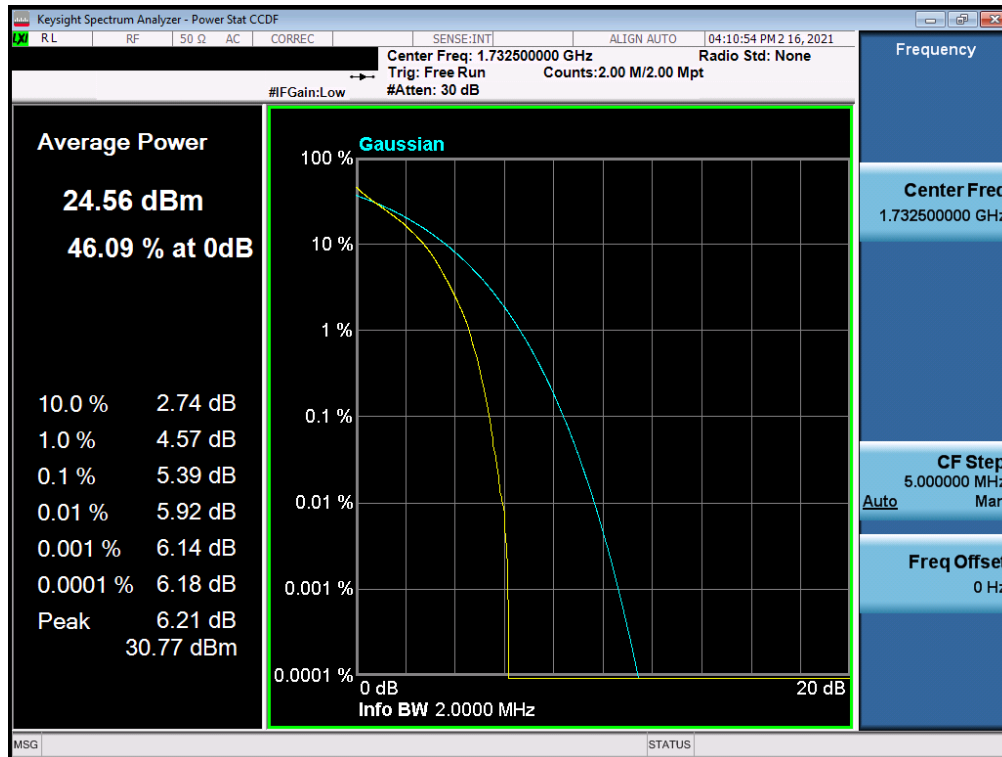


Plot 7-315. PAR Plot (LTE Band 4 - 3MHz 64-QAM - Full RB Configuration)

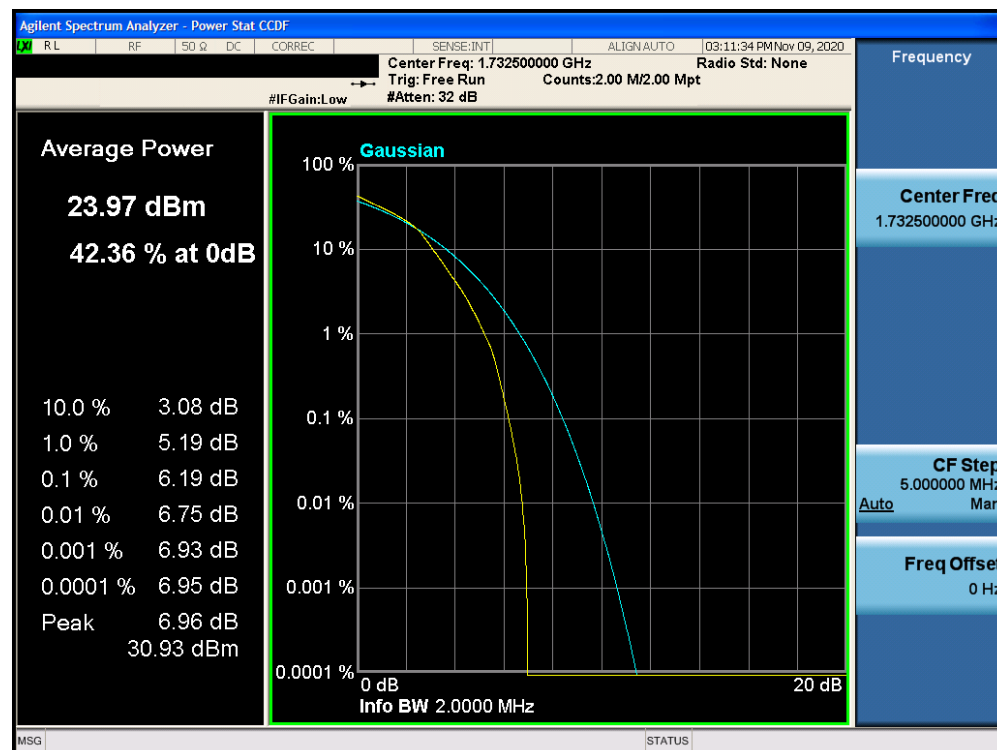


Plot 7-316. PAR Plot (LTE Band 4 - 3MHz 256-QAM - Full RB Configuration)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 183 of 267

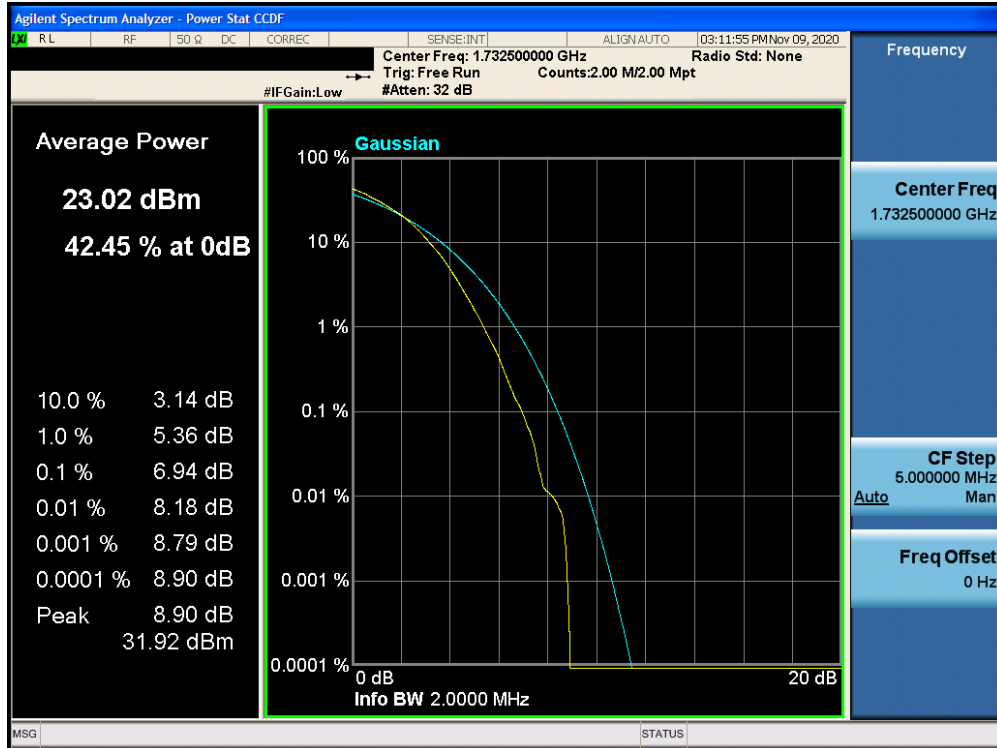


Plot 7-317. PAR Plot (LTE Band 4 - 1.4MHz QPSK - Full RB Configuration)

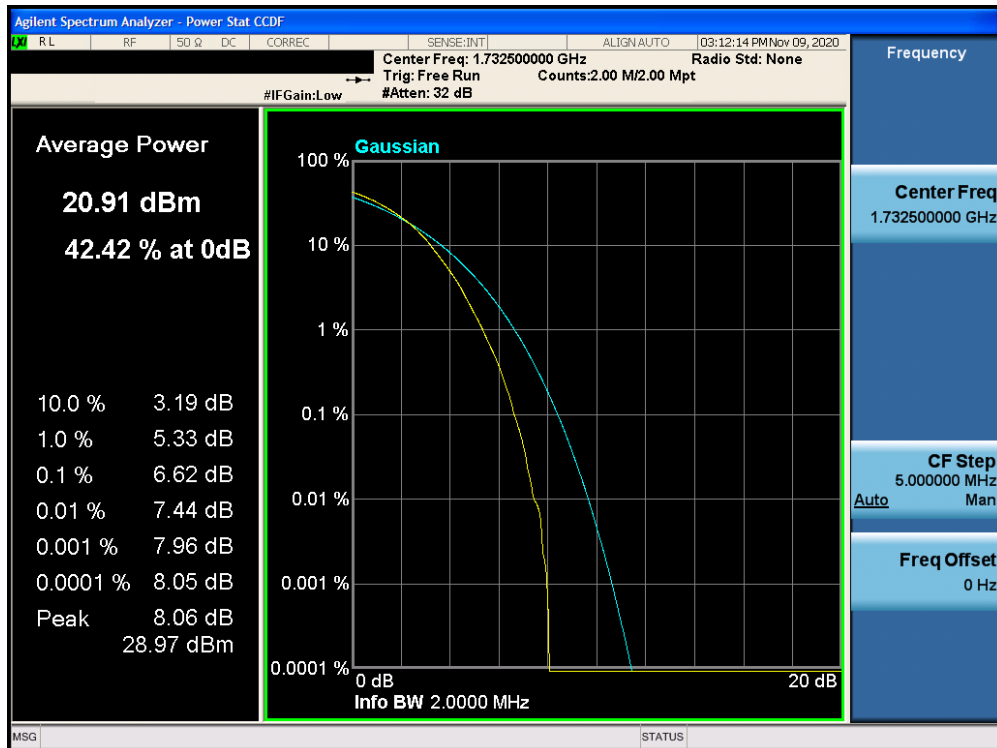


Plot 7-318. PAR Plot (LTE Band 4 - 1.4MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 184 of 267



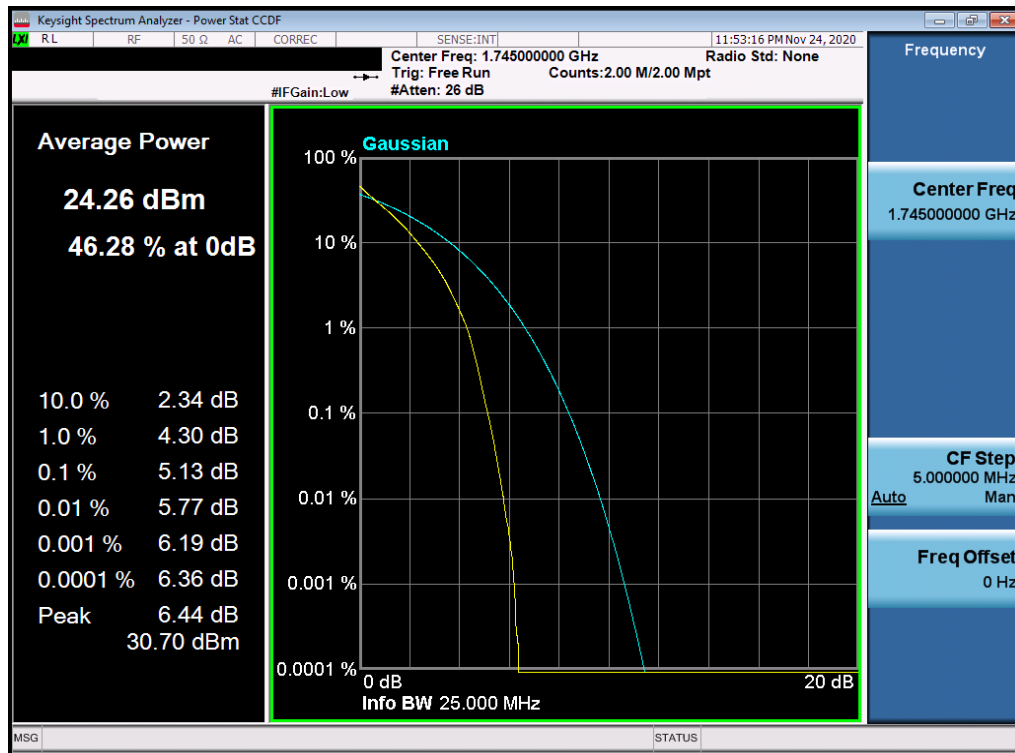
Plot 7-319. PAR Plot (LTE Band 4 - 1.4MHz 64-QAM - Full RB Configuration)



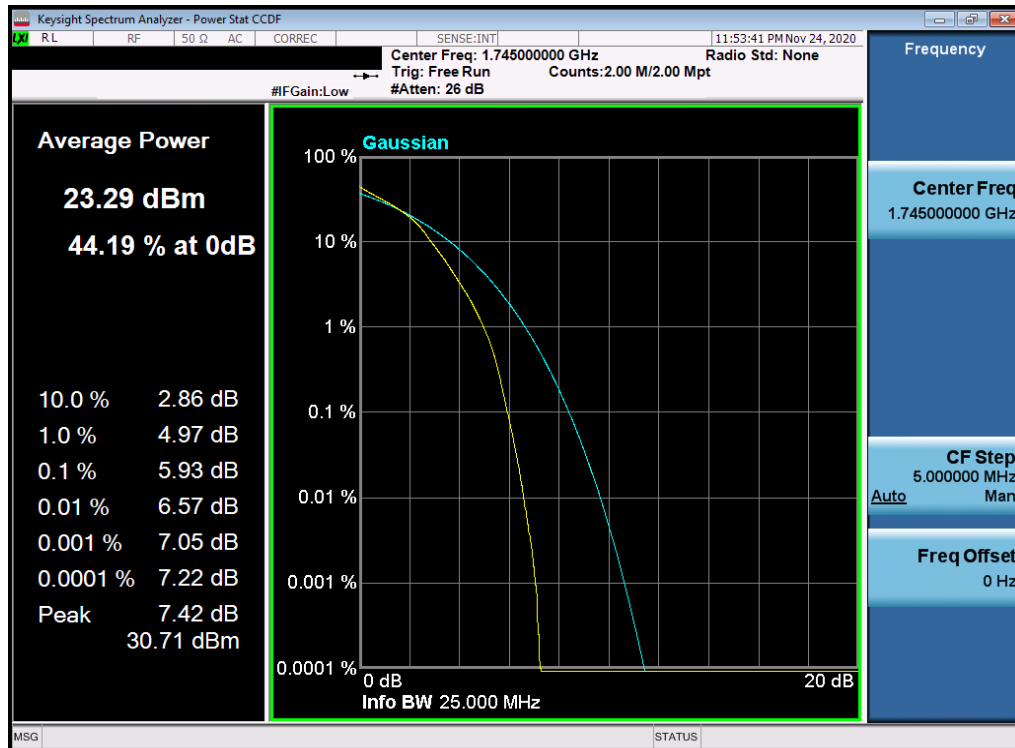
Plot 7-320. PAR Plot (LTE Band 4 - 1.4MHz 256-QAM - Full RB Configuration)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 185 of 267

LTE Band 66

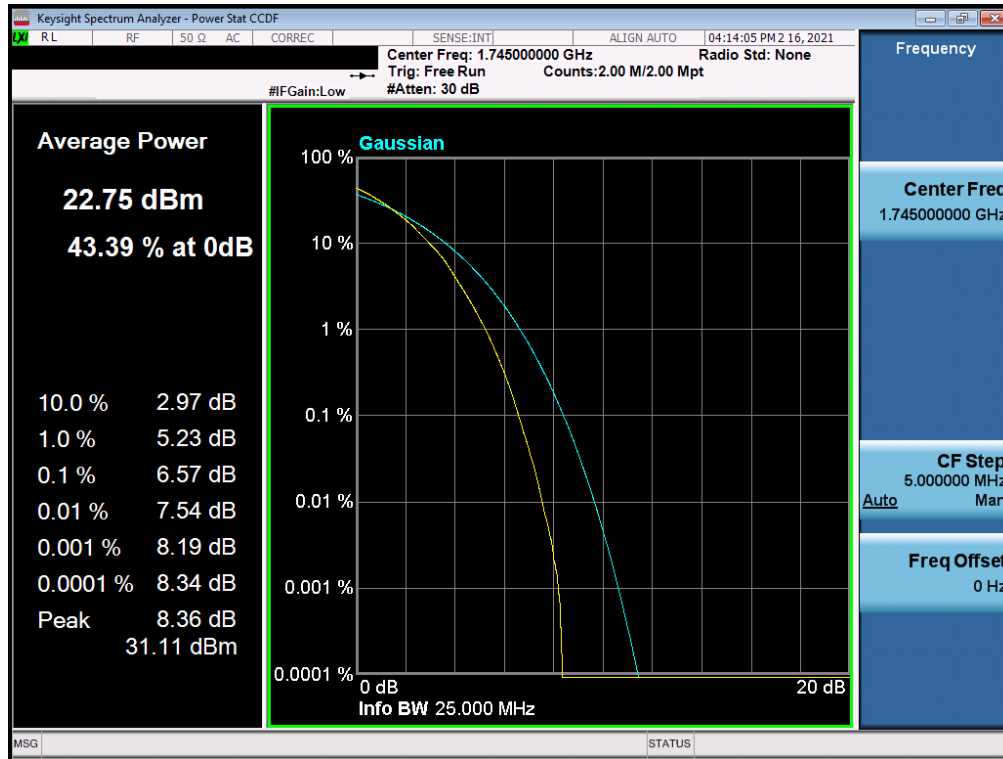


Plot 7-321. PAR Plot (LTE Band 66 - 20MHz QPSK - Full RB Configuration)

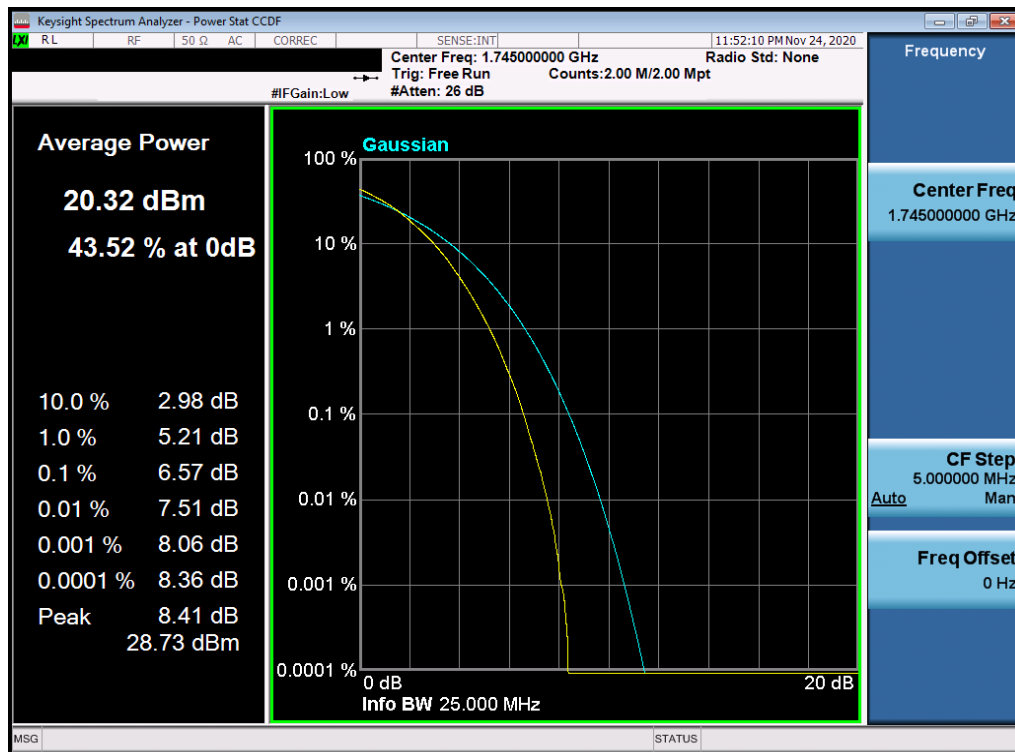


Plot 7-322. PAR Plot (LTE Band 66 - 20MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 186 of 267

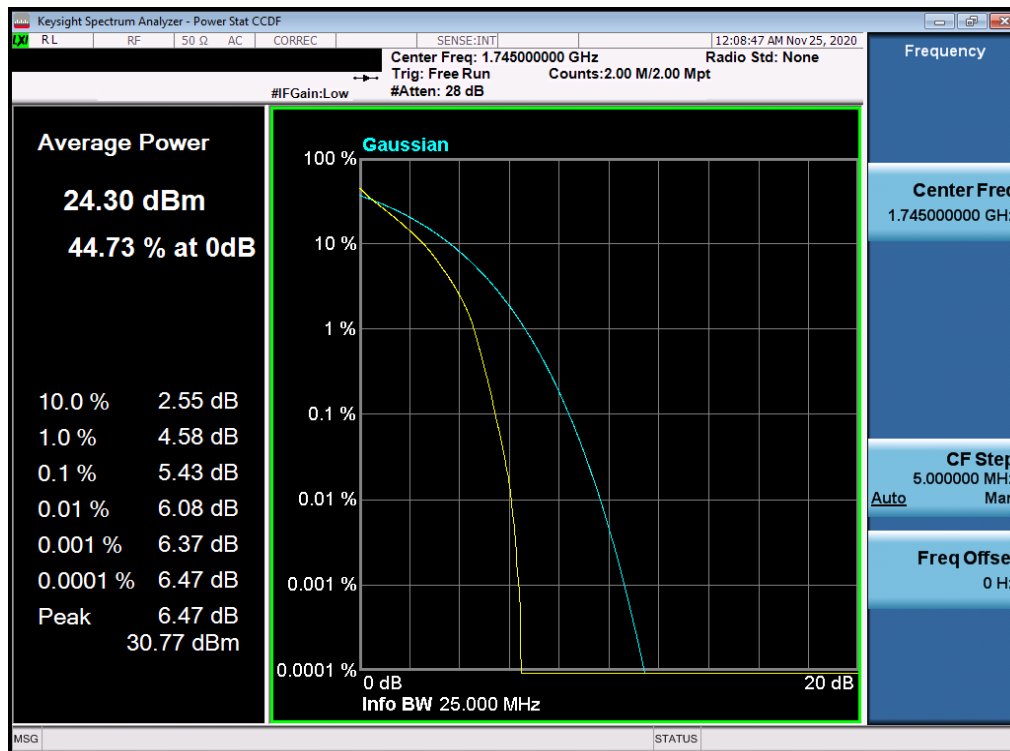


Plot 7-323. PAR Plot (LTE Band 66 - 20MHz 64-QAM - Full RB Configuration)

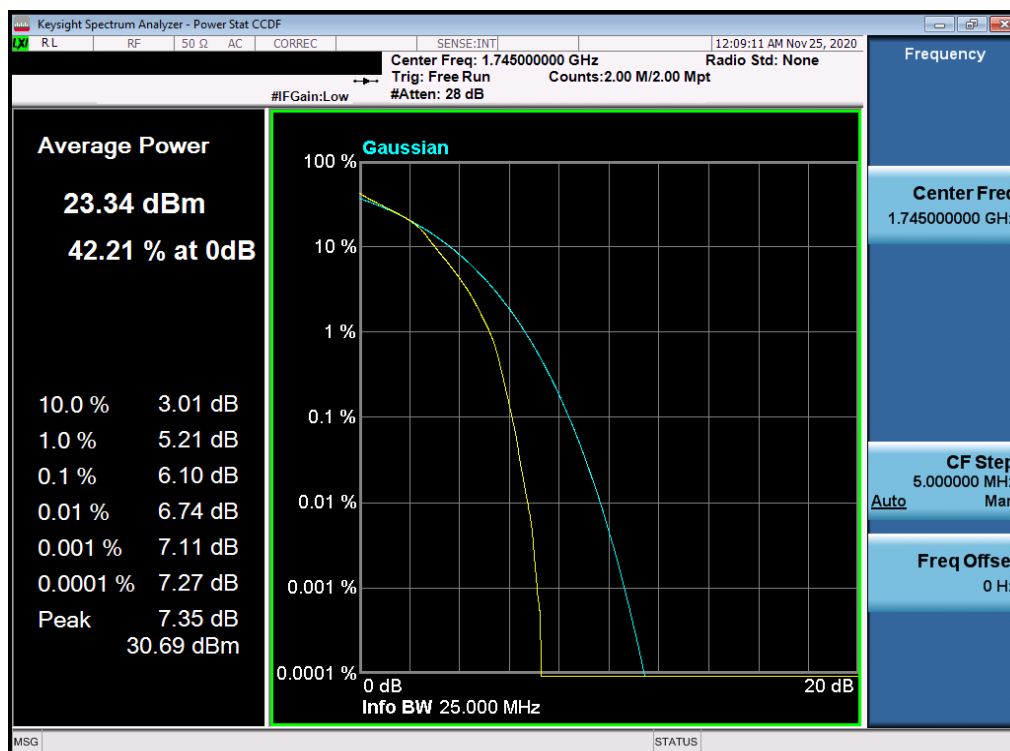


Plot 7-324. PAR Plot (LTE Band 66 - 20MHz 256-QAM - Full RB Configuration)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 187 of 267

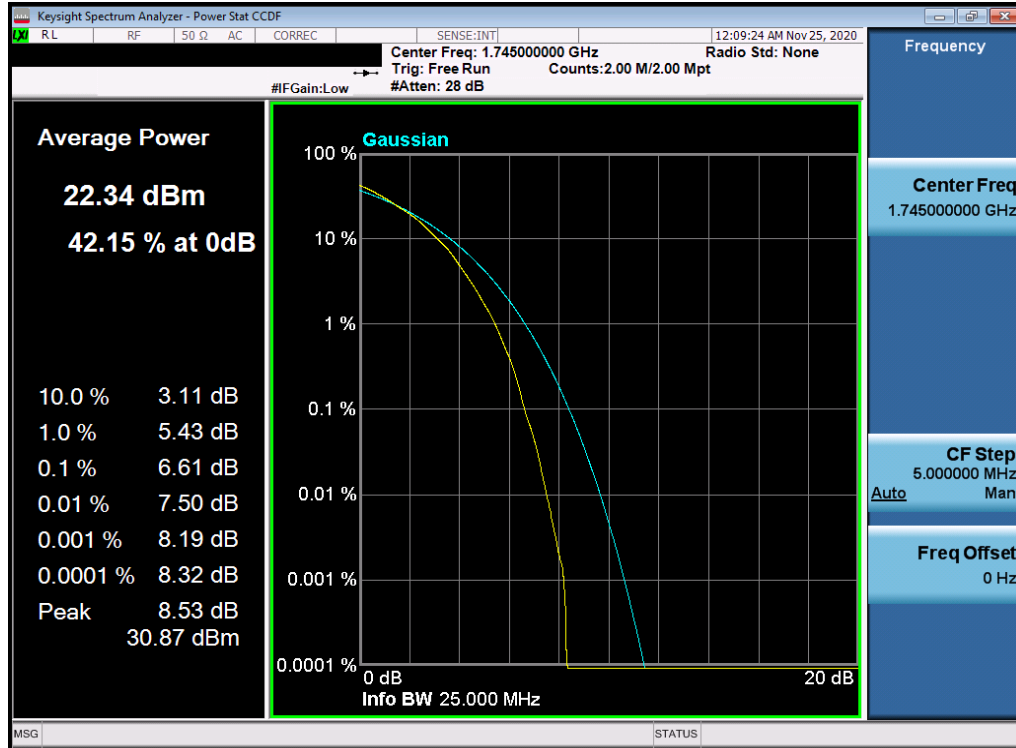


Plot 7-325. PAR Plot (LTE Band 66 - 15MHz QPSK - Full RB Configuration)

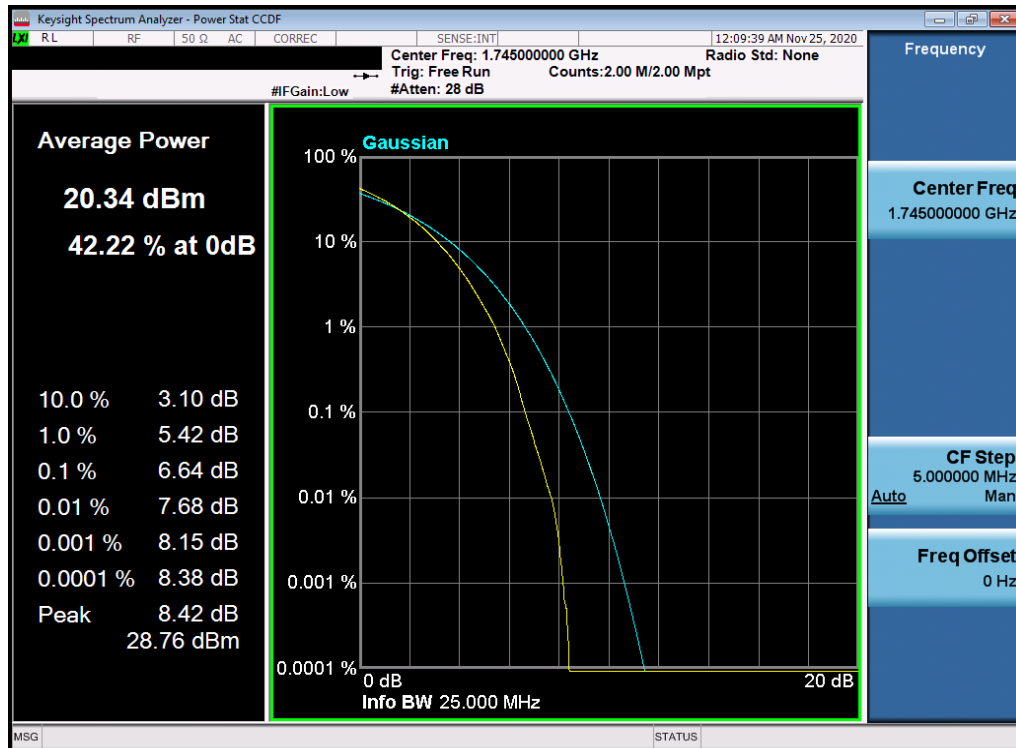


Plot 7-326. PAR Plot (LTE Band 66 - 15MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 188 of 267

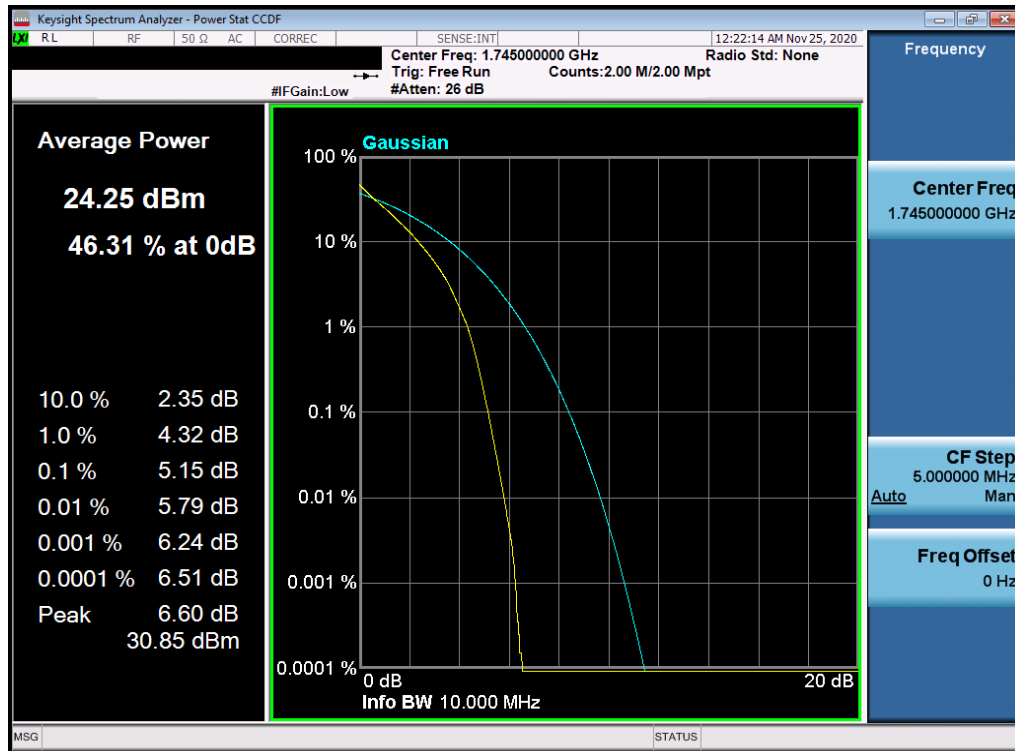


Plot 7-327. PAR Plot (LTE Band 66 - 15MHz 64-QAM - Full RB Configuration)

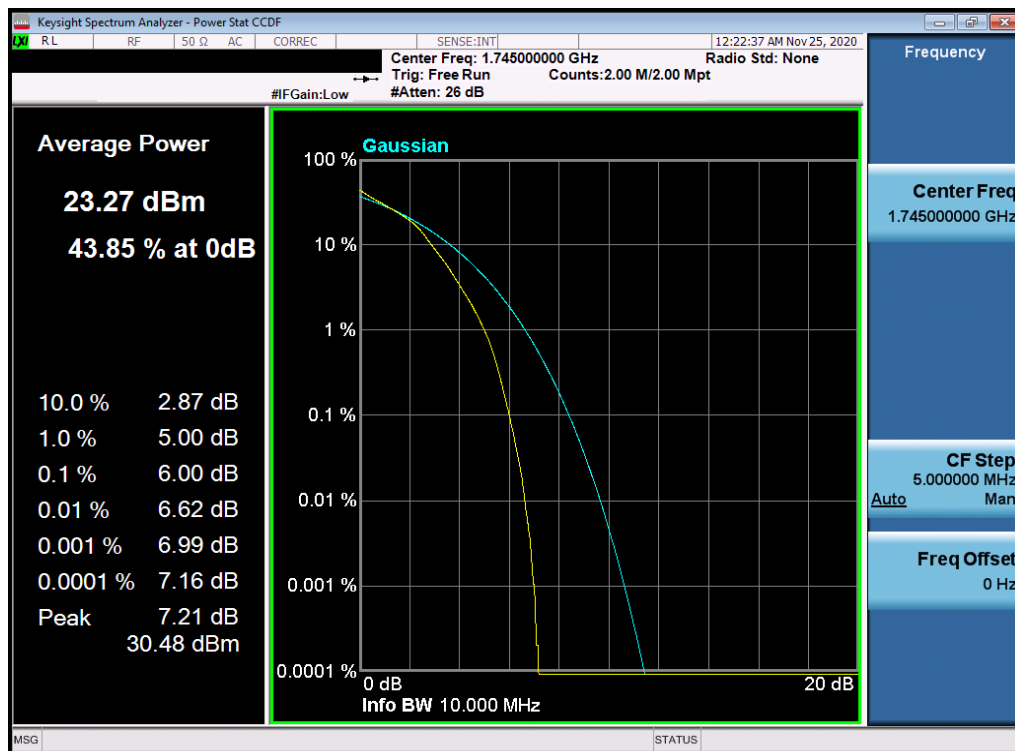


Plot 7-328. PAR Plot (LTE Band 66 - 15MHz 256-QAM - Full RB Configuration)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 189 of 267

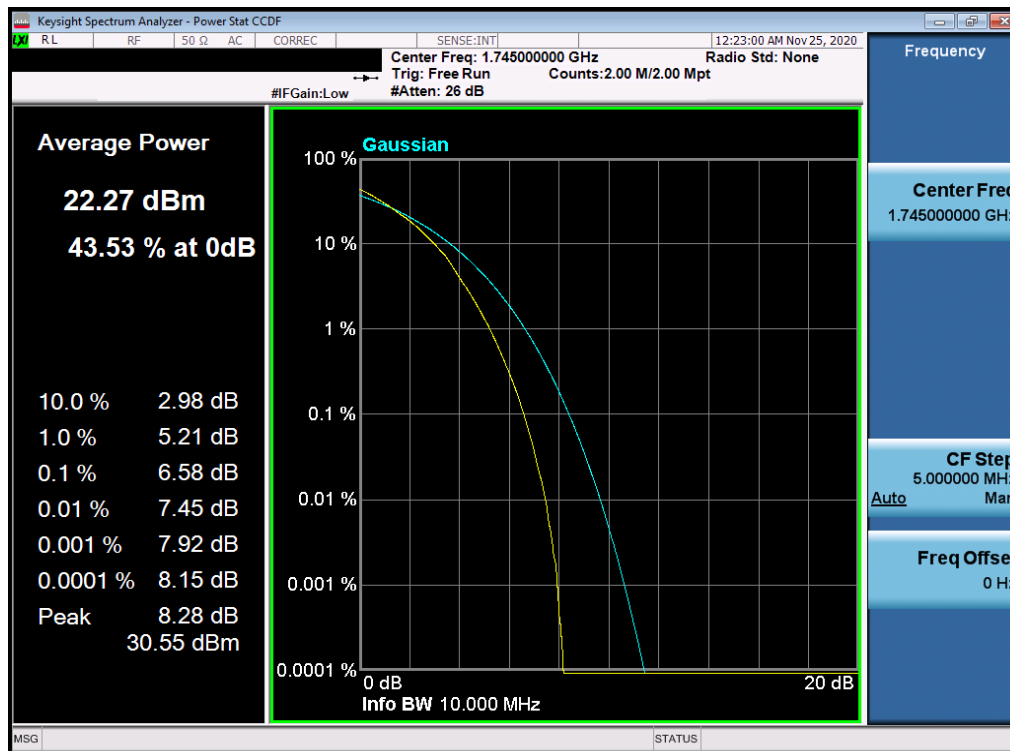


Plot 7-329. PAR Plot (LTE Band 66 - 10MHz QPSK - Full RB Configuration)

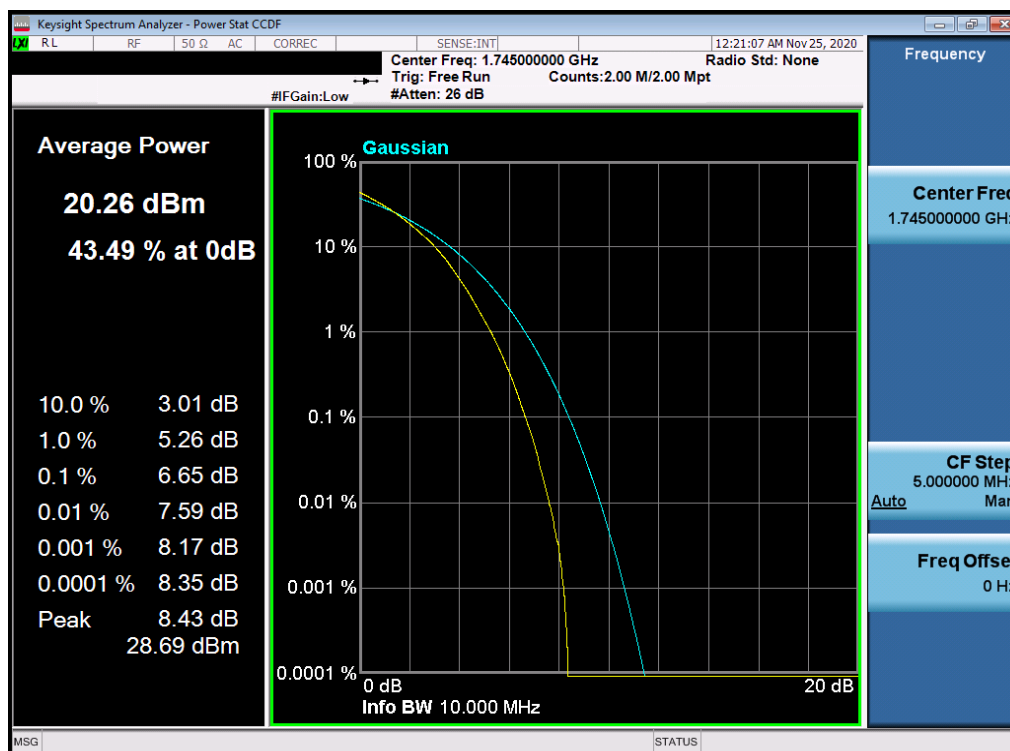


Plot 7-330. PAR Plot (LTE Band 66 - 10MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 190 of 267

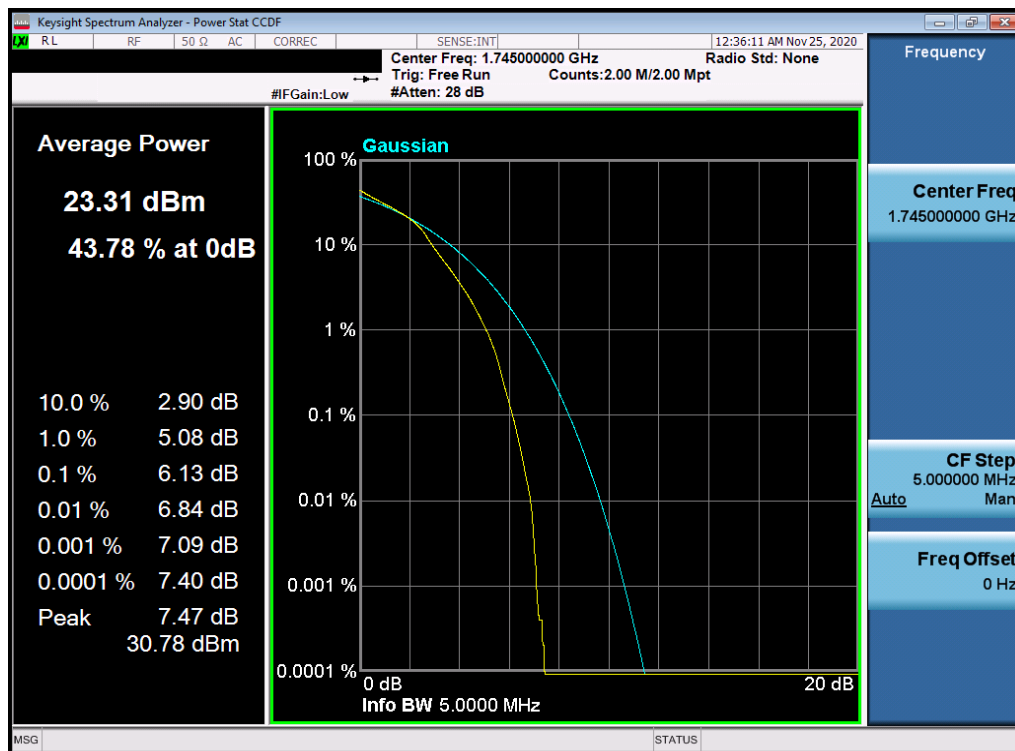
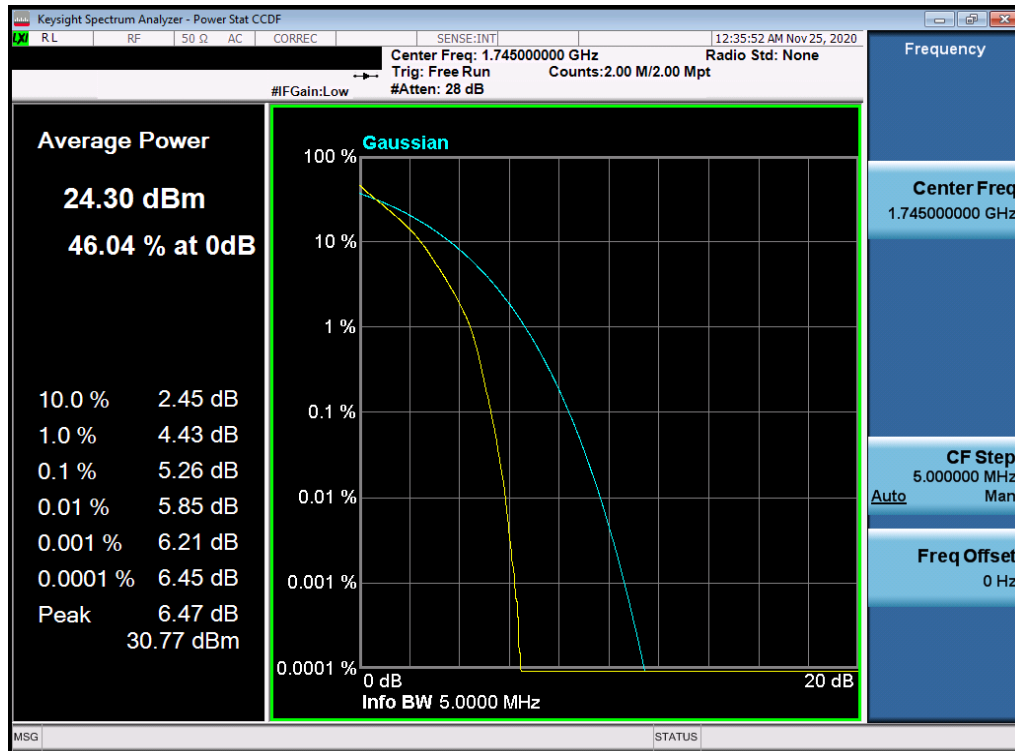


Plot 7-331. PAR Plot (LTE Band 66 - 10MHz 64-QAM - Full RB Configuration)

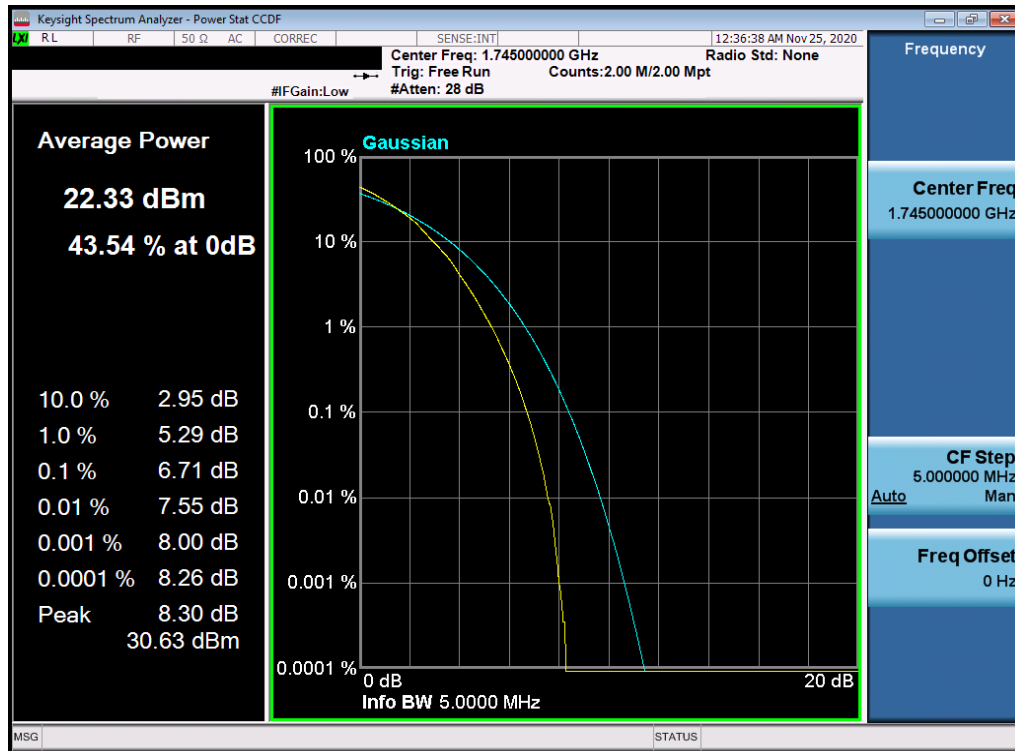


Plot 7-332. PAR Plot (LTE Band 66 - 10MHz 256-QAM - Full RB Configuration)

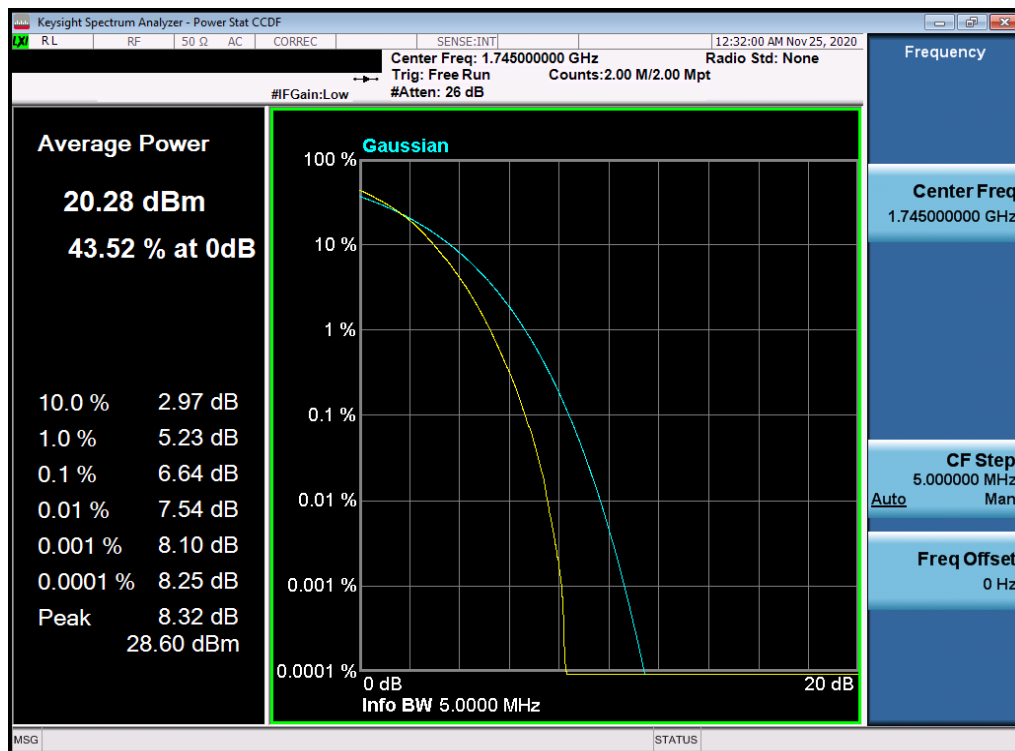
FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 191 of 267



FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 192 of 267

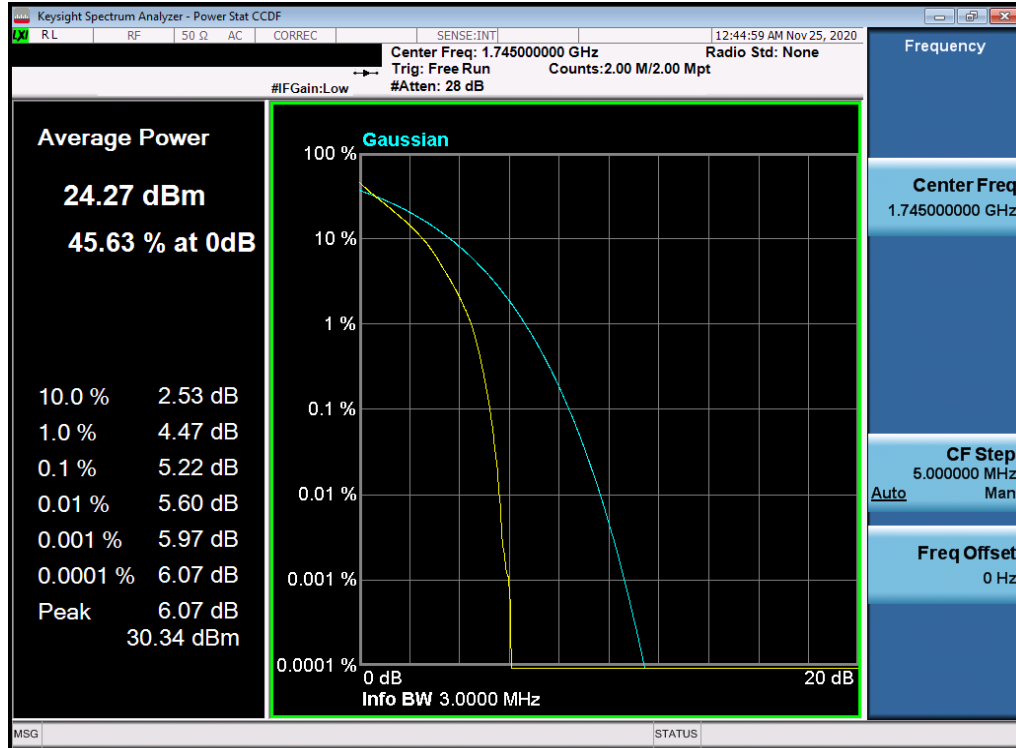


Plot 7-335. PAR Plot (LTE Band 66 - 5MHz 64-QAM - Full RB Configuration)

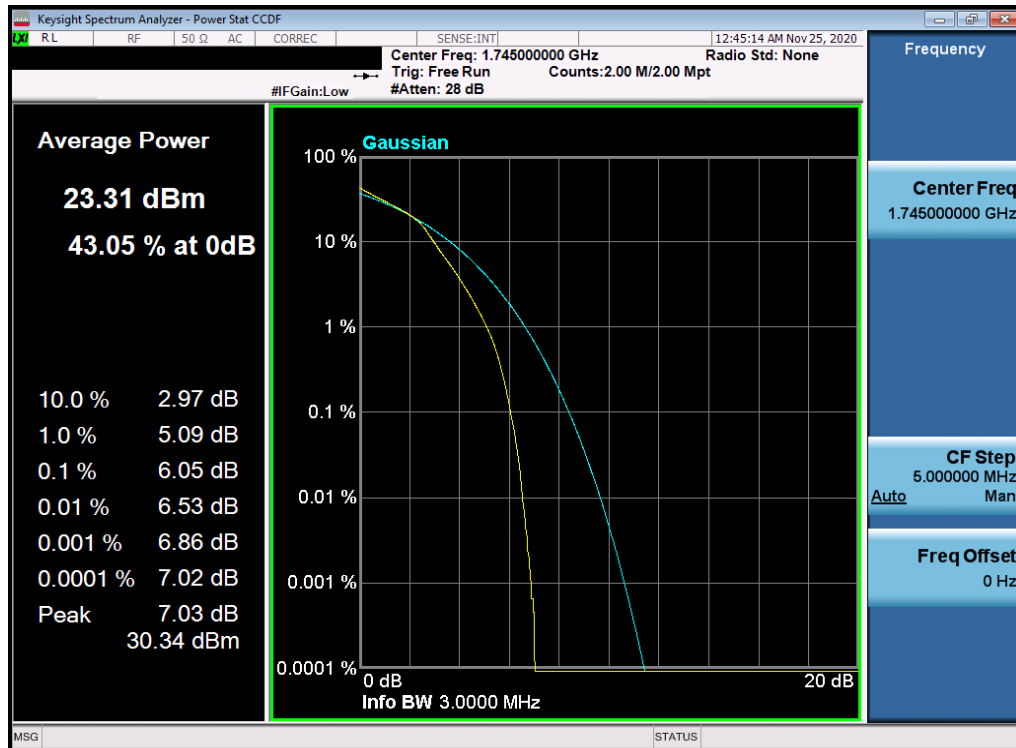


Plot 7-336. PAR Plot (LTE Band 66 - 5MHz 256-QAM - Full RB Configuration)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 193 of 267

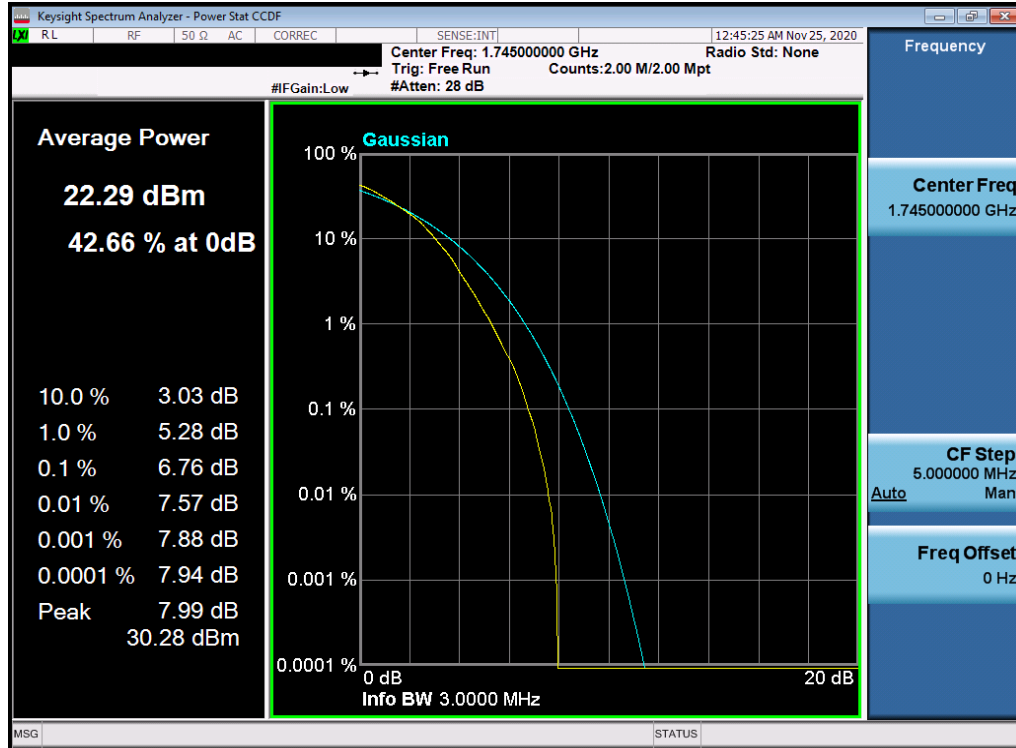


Plot 7-337. PAR Plot (LTE Band 66 - 3MHz QPSK - Full RB Configuration)

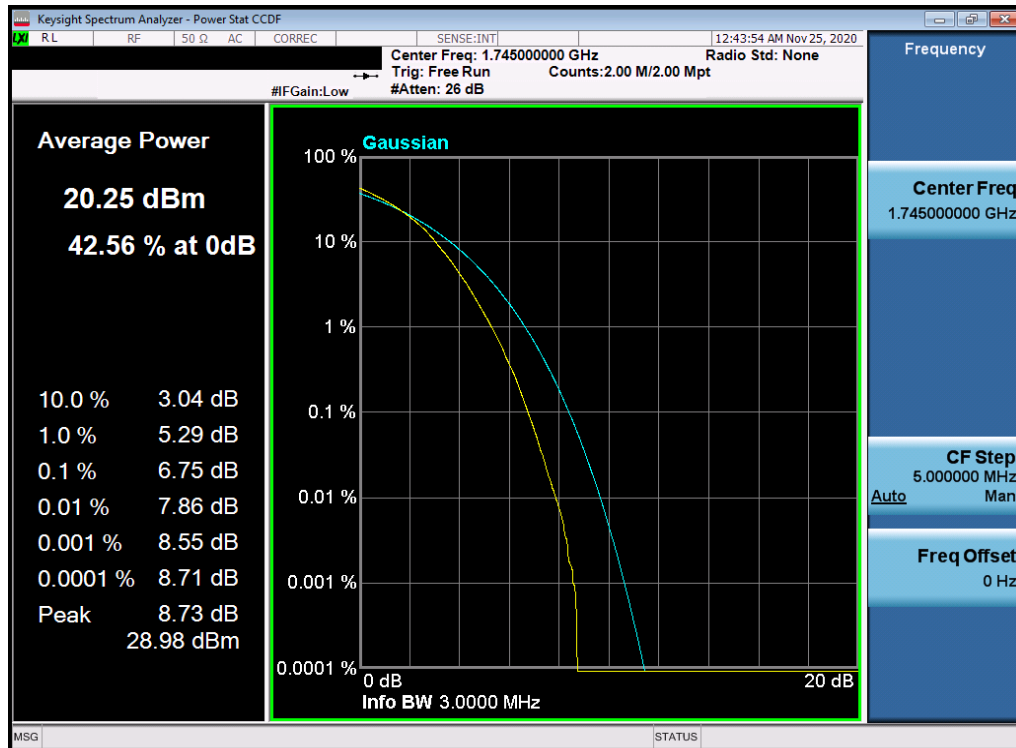


Plot 7-338. PAR Plot (LTE Band 66 - 3MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 194 of 267

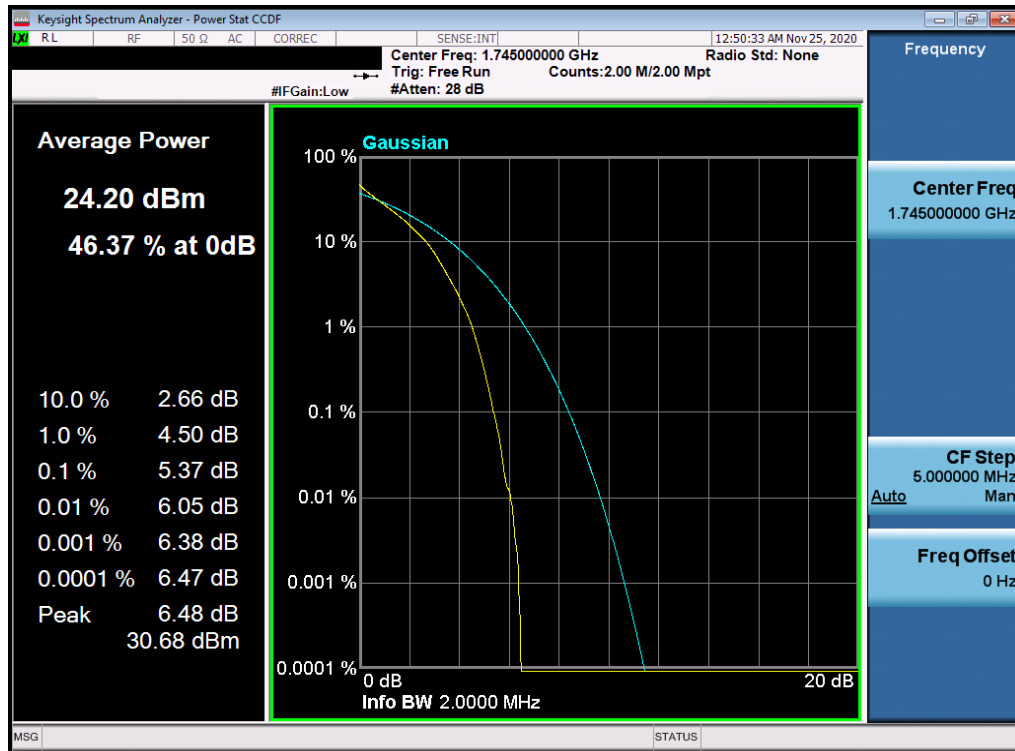


Plot 7-339. PAR Plot (LTE Band 66 - 3MHz 64-QAM - Full RB Configuration)

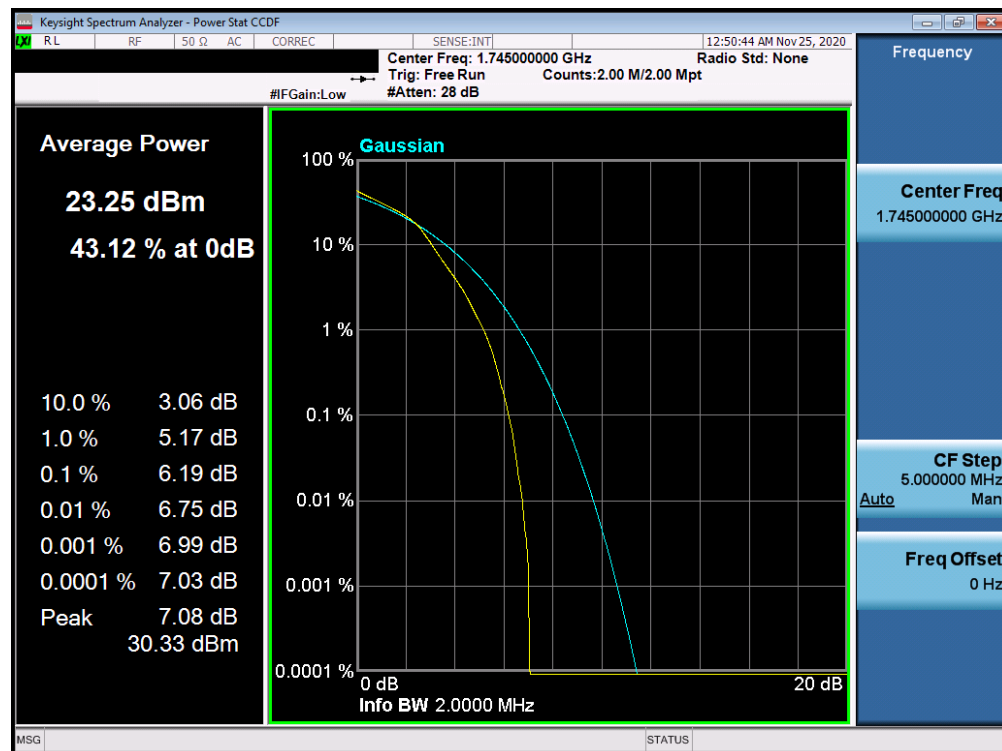


Plot 7-340. PAR Plot (LTE Band 66 - 3MHz 256-QAM - Full RB Configuration)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 195 of 267

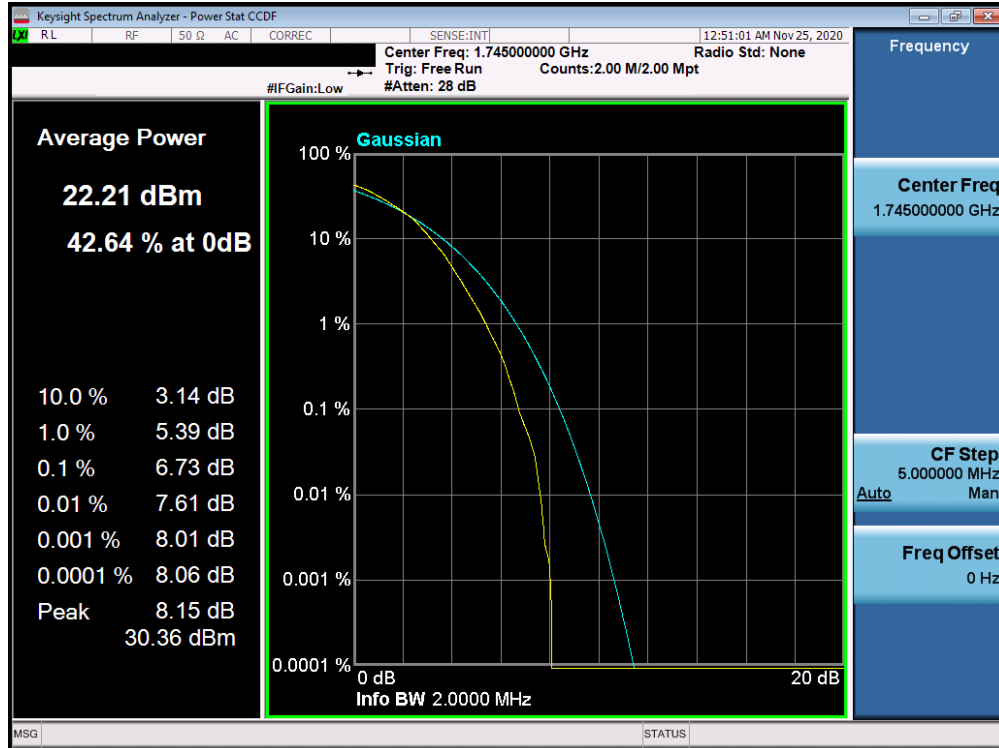


Plot 7-341. PAR Plot (LTE Band 66 - 1.4MHz QPSK - Full RB Configuration)

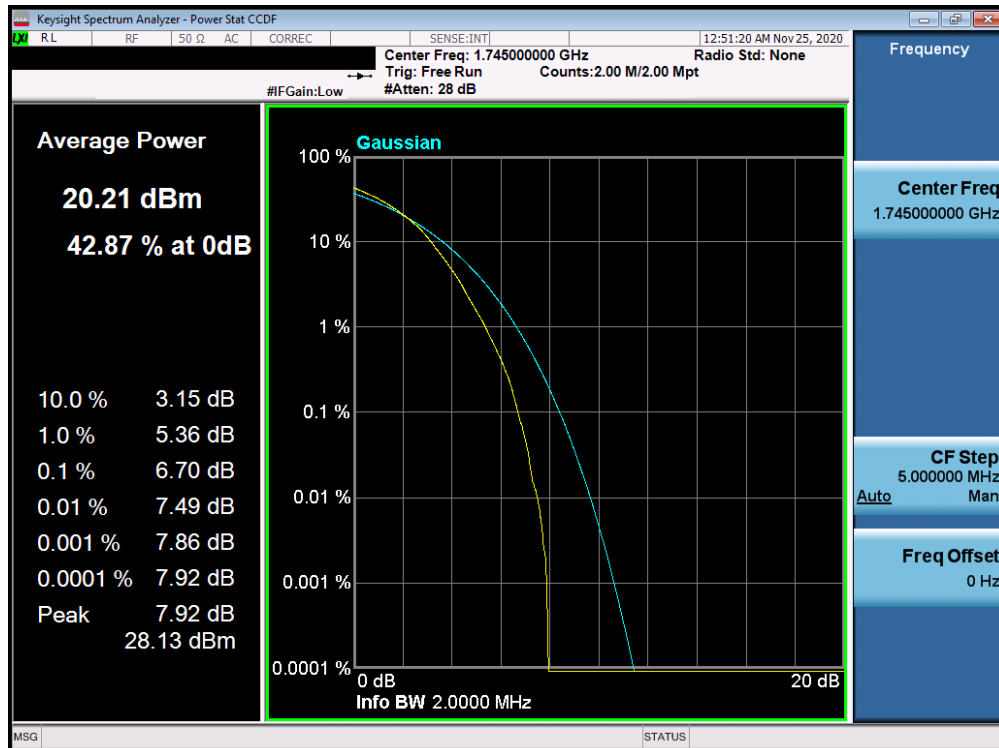


Plot 7-342. PAR Plot (LTE Band 66 - 1.4MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 196 of 267



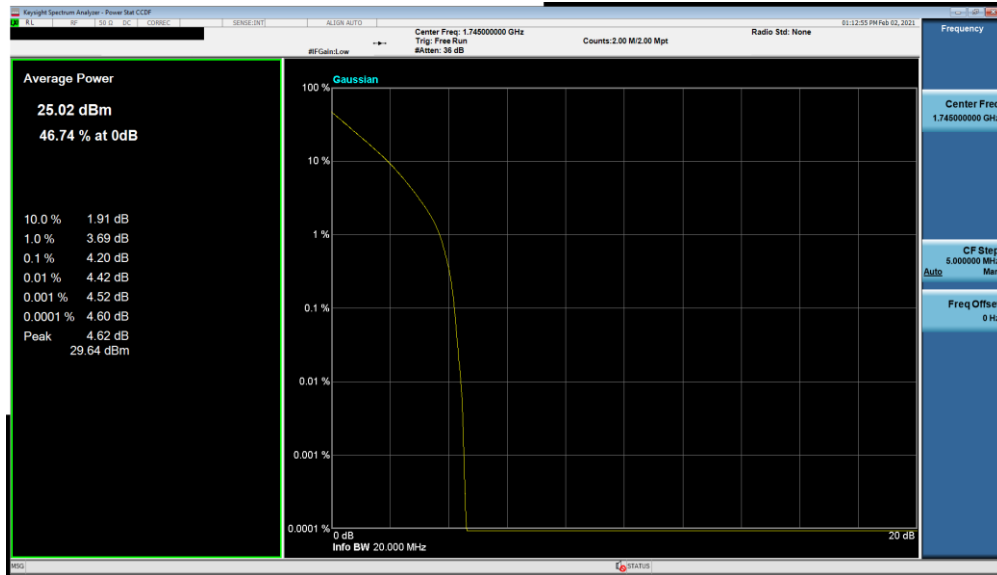
Plot 7-343. PAR Plot (LTE Band 66 - 1.4MHz 64-QAM - Full RB Configuration)



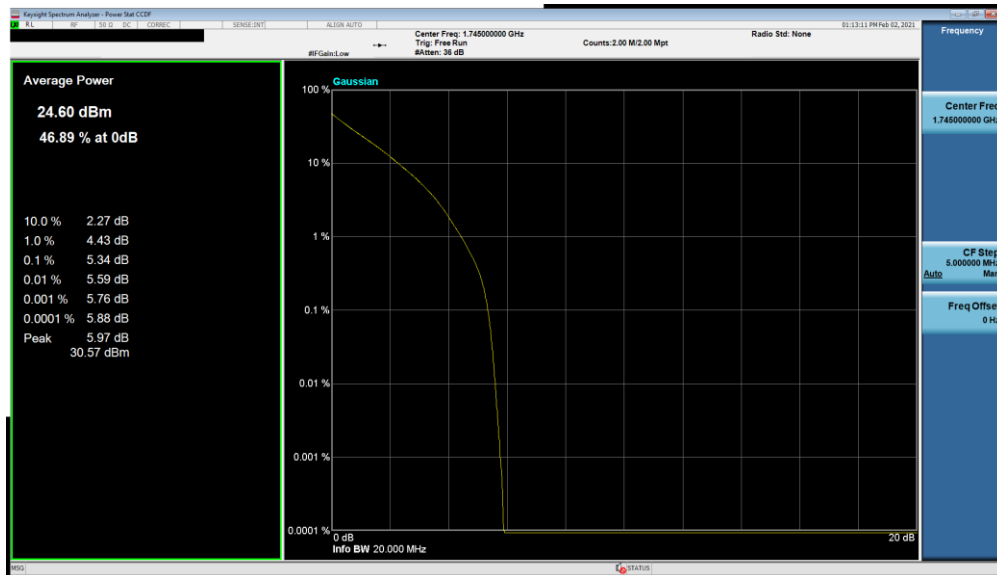
Plot 7-344. PAR Plot (LTE Band 66 - 1.4MHz 256-QAM - Full RB Configuration)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 197 of 267

NR Band n66

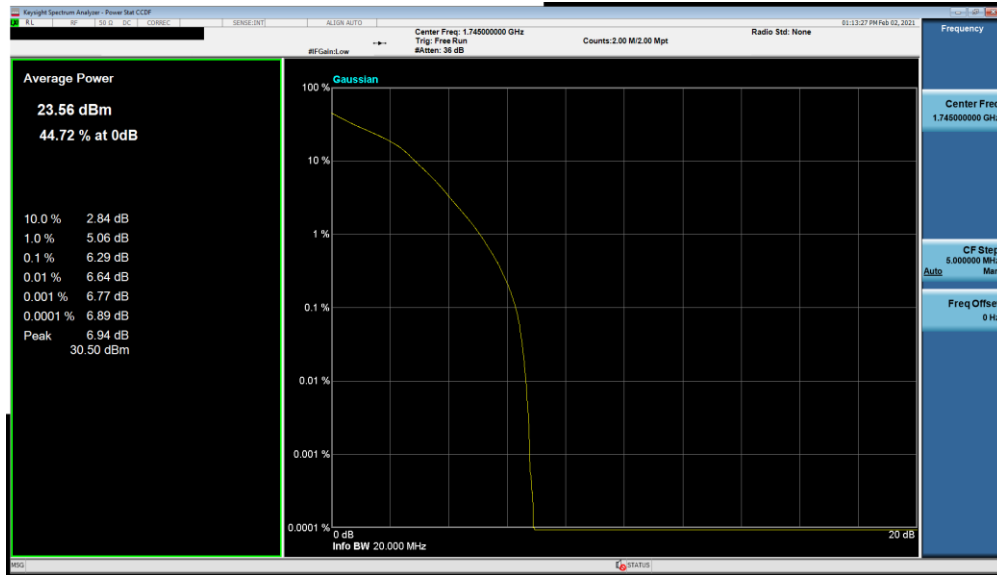


Plot 7-345. PAR Plot (NR Band n66 - 20.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

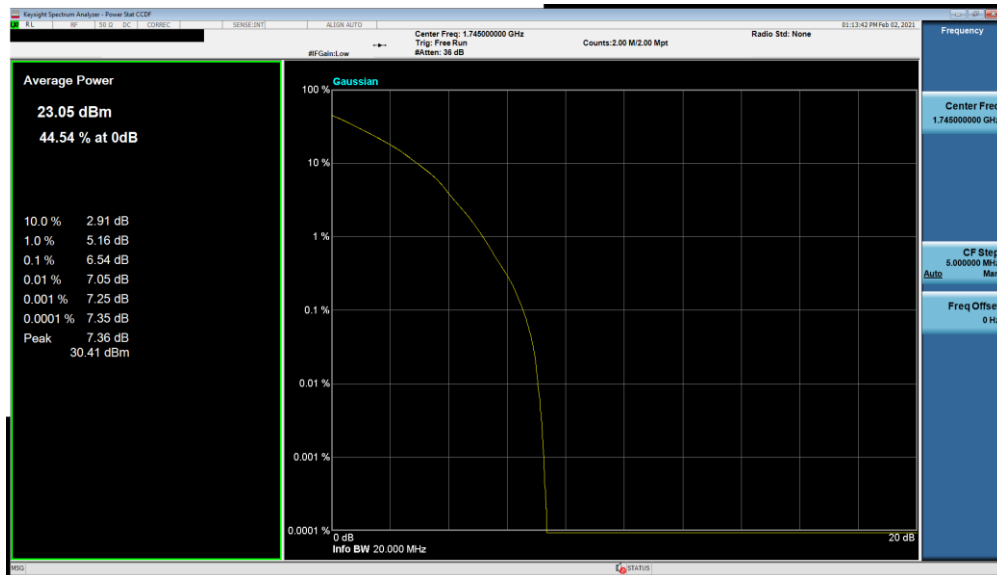


Plot 7-346. PAR Plot (NR Band n66 - 20.0MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA2379	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 198 of 267

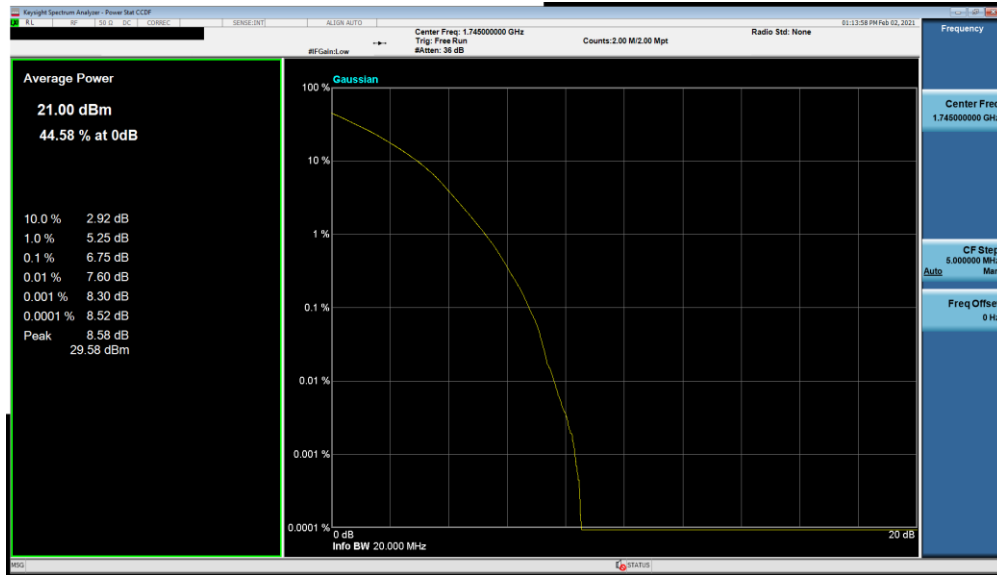


Plot 7-347. PAR Plot (NR Band n66 - 20.0MHz DFT-s-OFDM 16-QAM - Full RB)

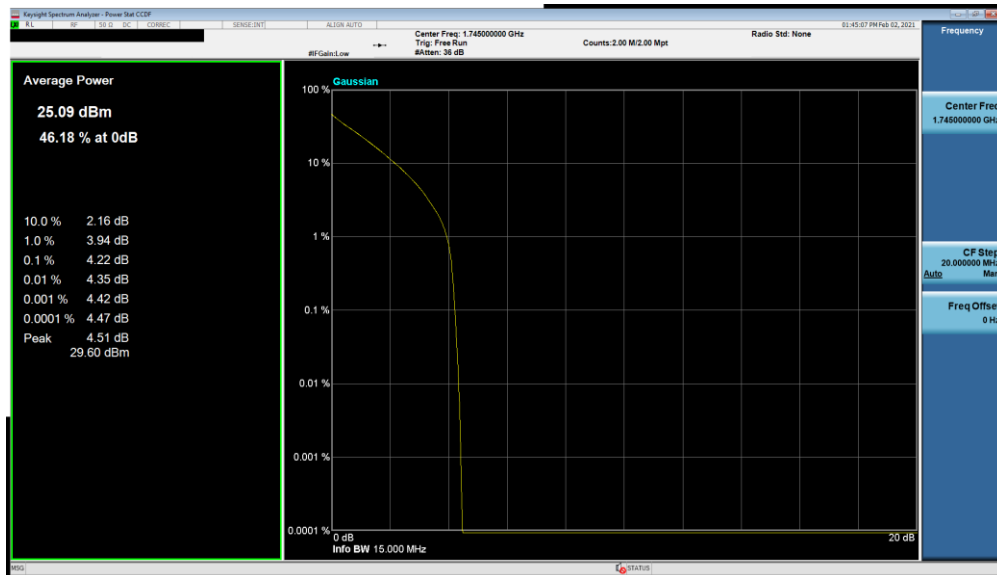


Plot 7-348. PAR Plot (NR Band n66 - 20.0MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCGA2379	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 199 of 267

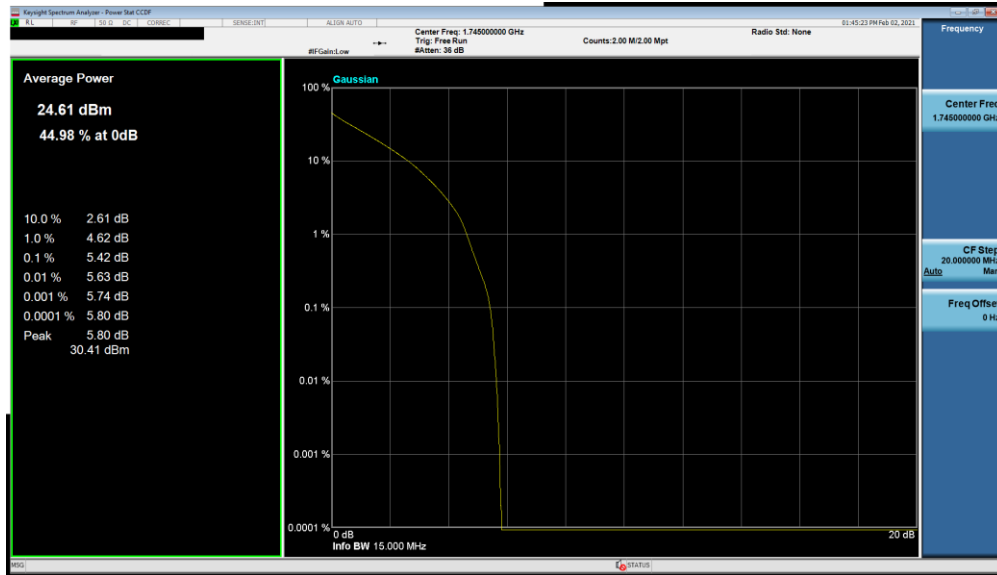


Plot 7-349. PAR Plot (NR Band n66 - 20.0MHz DFT-s-OFDM 256-QAM - Full RB)

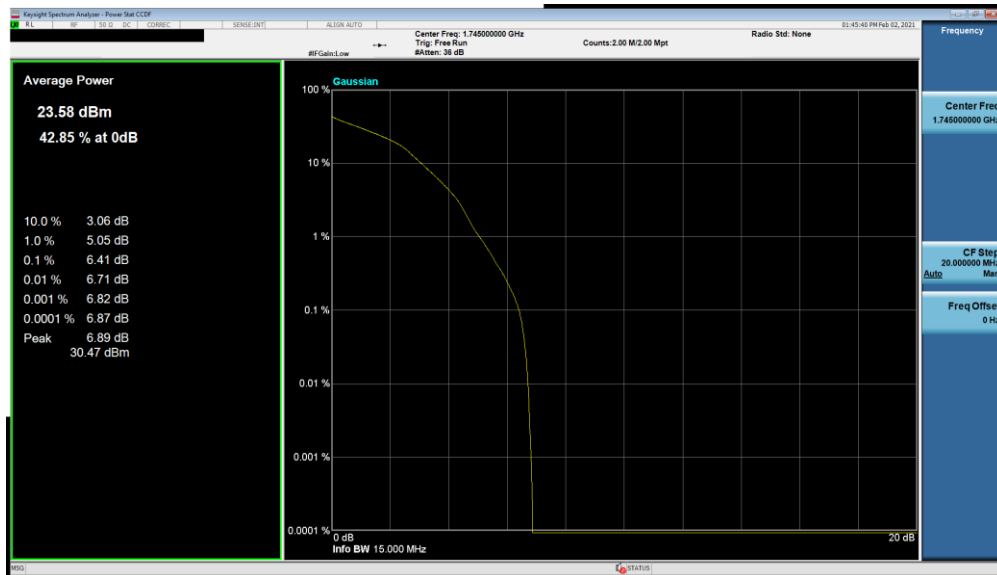


Plot 7-350. PAR Plot (NR Band n66 - 15.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

FCC ID: BCGA2379	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 200 of 267

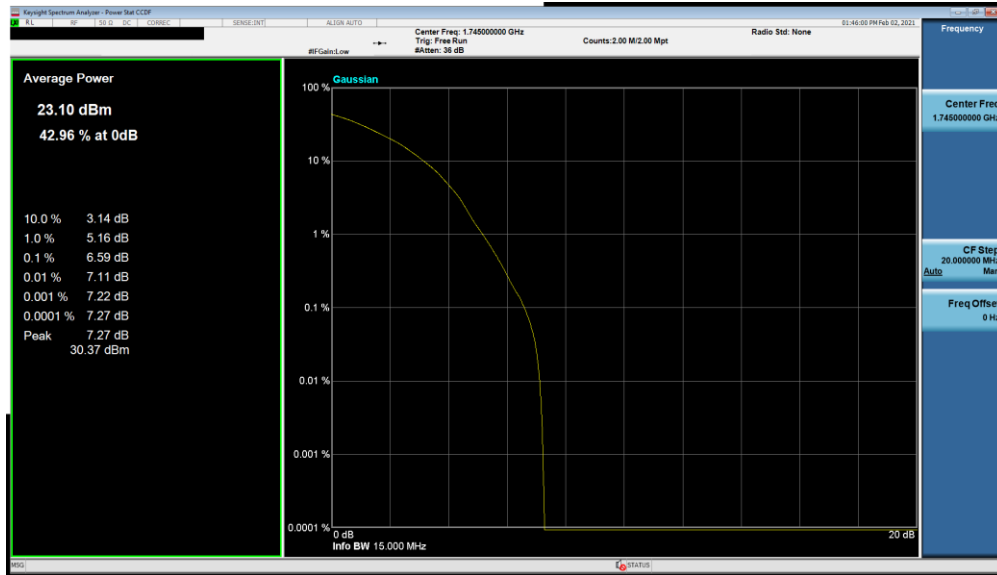


Plot 7-351. PAR Plot (NR Band n66 - 15.0MHz DFT-s-OFDM QPSK - Full RB)

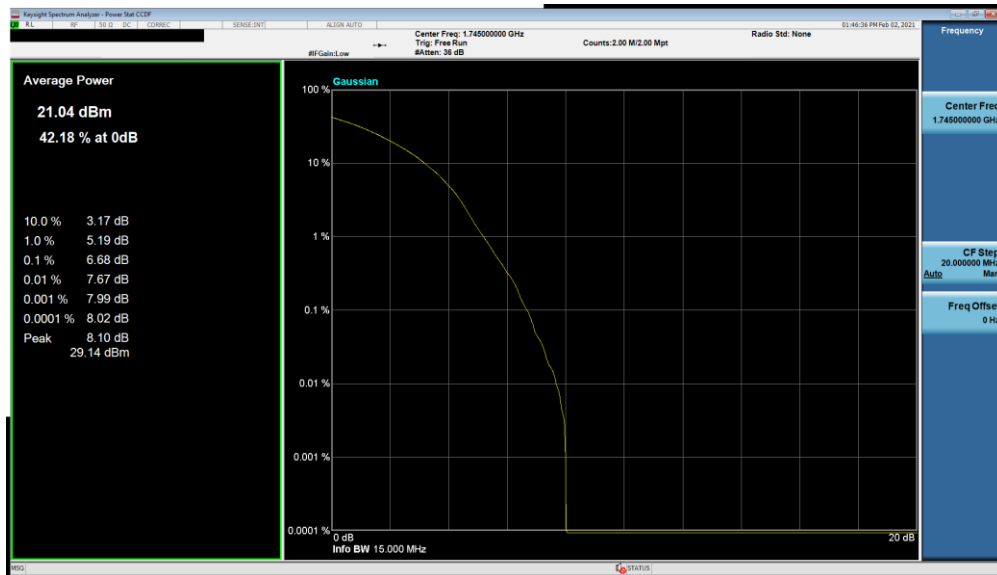


Plot 7-352. PAR Plot (NR Band n66 - 15.0MHz DFT-s-OFDM 16-QAM - Full RB)

FCC ID: BCGA2379	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 201 of 267

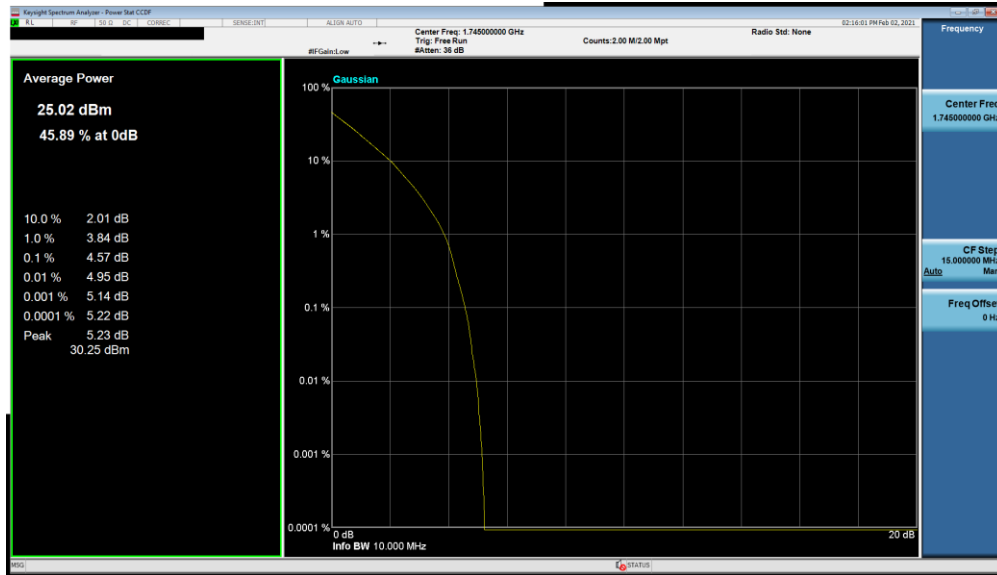


Plot 7-353. PAR Plot (NR Band n66 - 15.0MHz DFT-s-OFDM 64-QAM - Full RB)

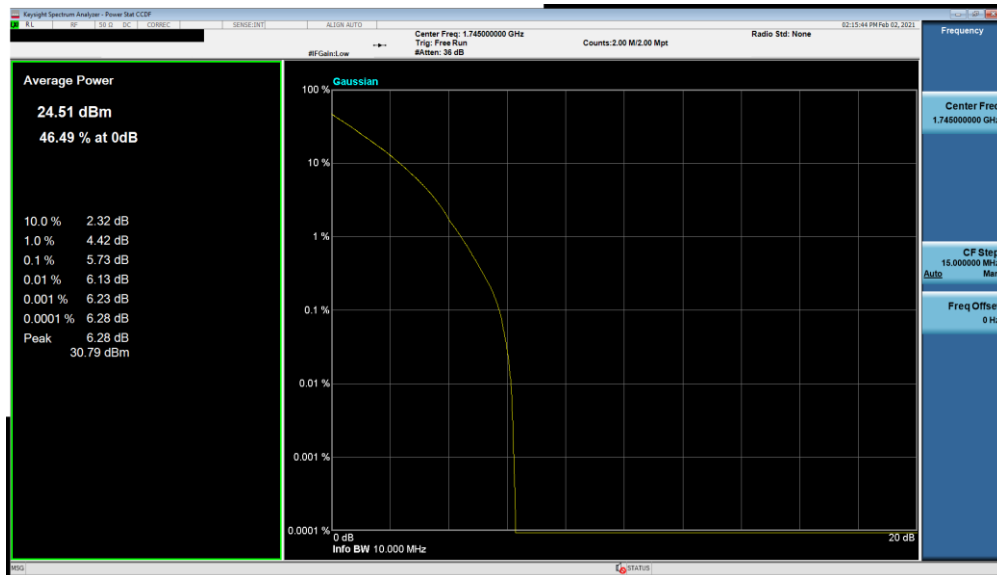


Plot 7-354. PAR Plot (NR Band n66 - 15.0MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA2379	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 202 of 267

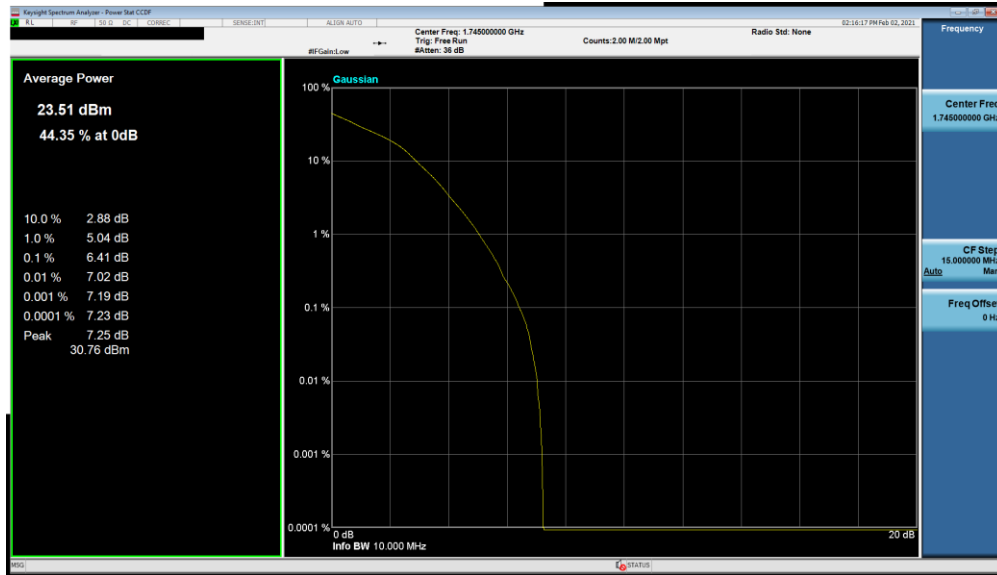


Plot 7-355. PAR Plot (NR Band n66 - 10.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

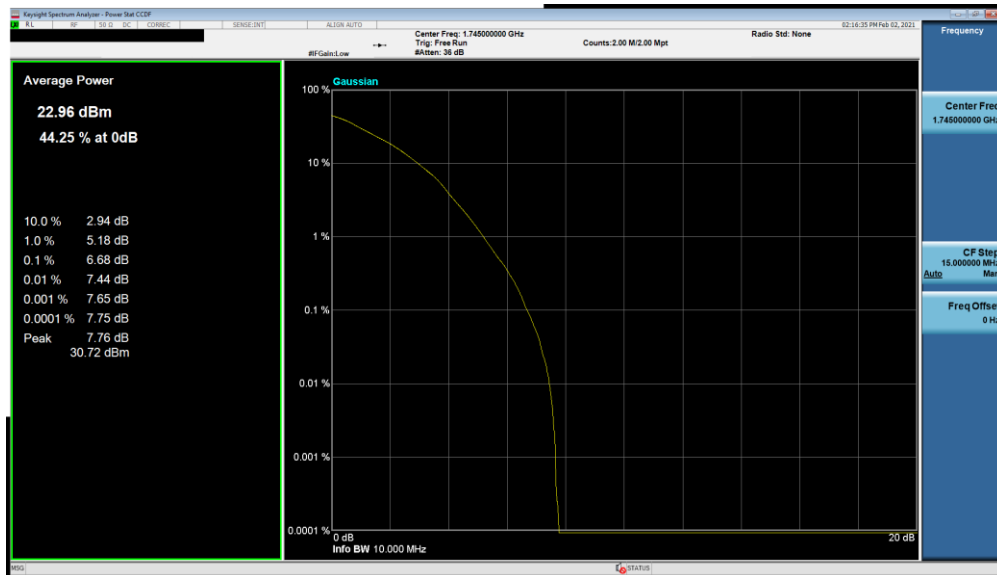


Plot 7-356. PAR Plot (NR Band n66 - 10.0MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA2379	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 203 of 267

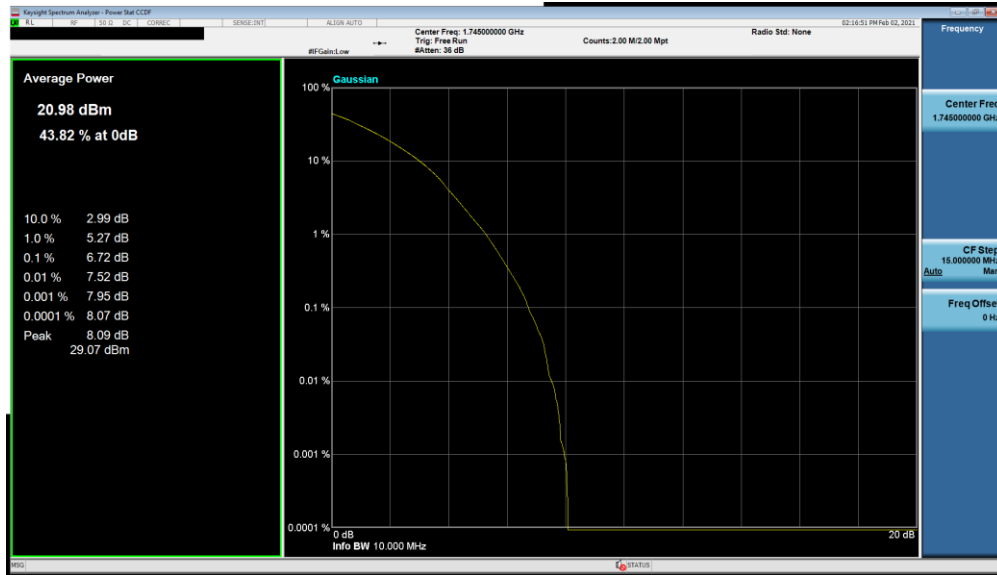


Plot 7-357. PAR Plot (NR Band n66 - 10.0MHz DFT-s-OFDM 16-QAM - Full RB)

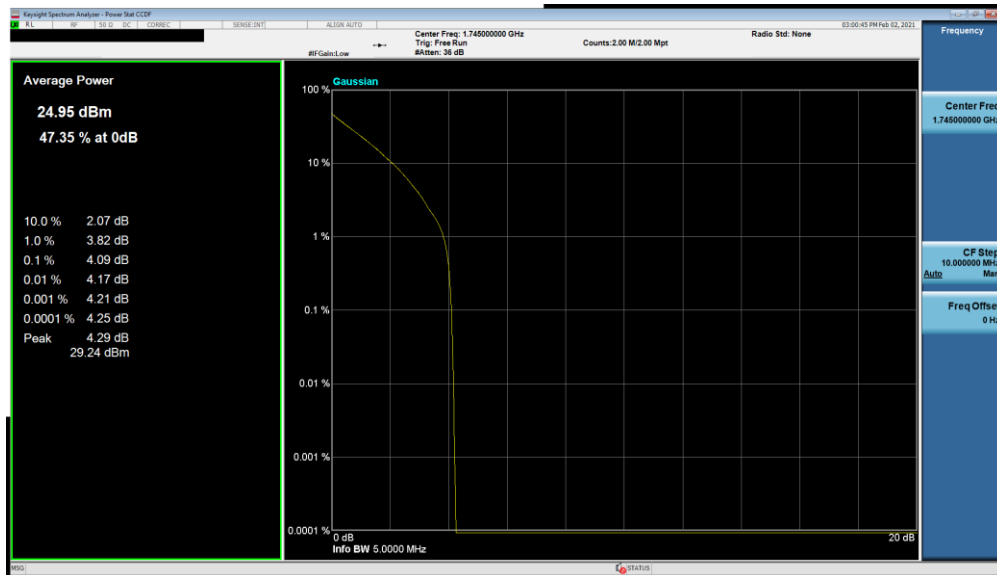


Plot 7-358. PAR Plot (NR Band n66 - 10.0MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCGA2379	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 204 of 267

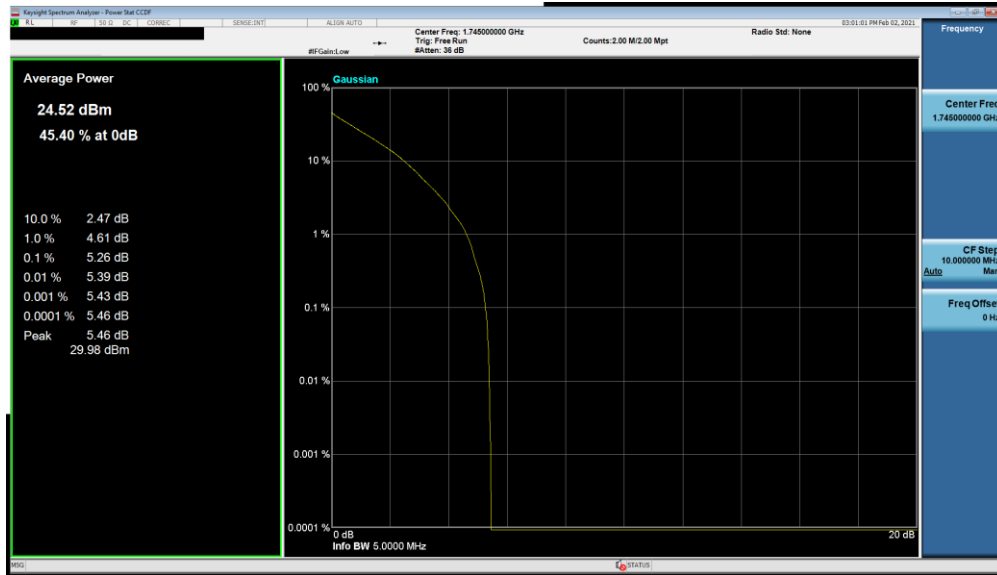


Plot 7-359. PAR Plot (NR Band n66 - 10.0MHz DFT-s-OFDM 256-QAM - Full RB)

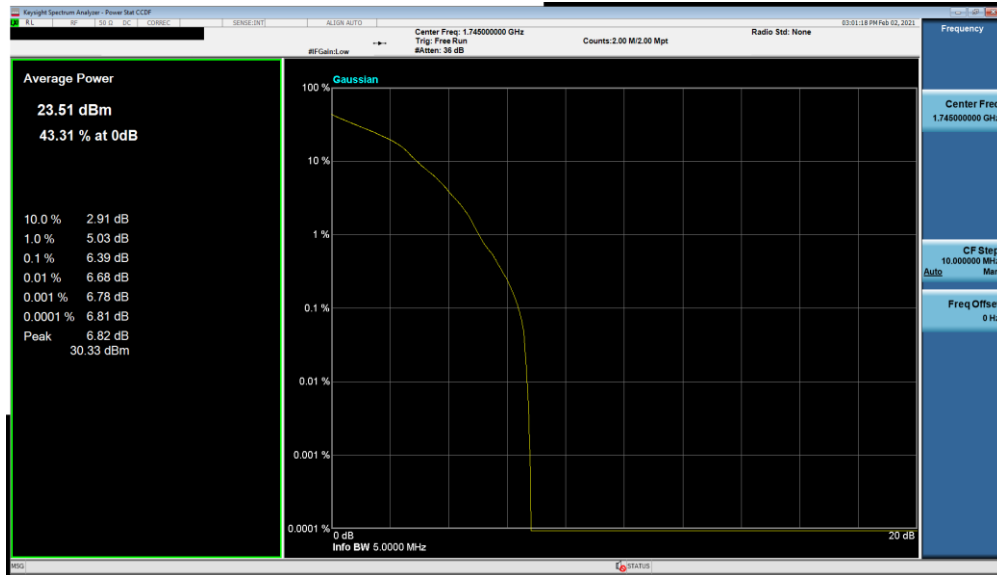


Plot 7-360. PAR Plot (NR Band n66 - 5.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

FCC ID: BCGA2379	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 205 of 267

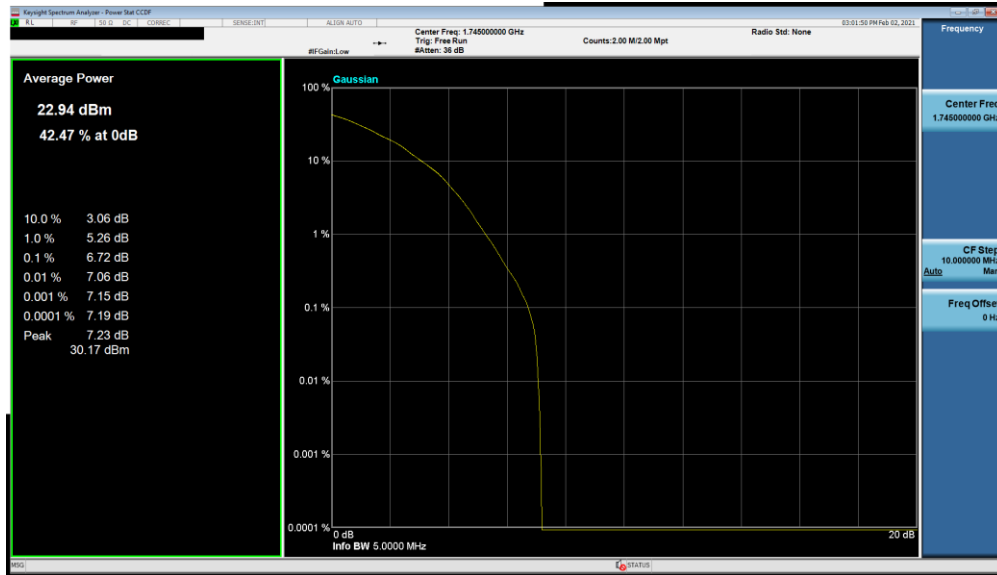


Plot 7-361. PAR Plot (NR Band n66 - 5.0MHz DFT-s-OFDM QPSK - Full RB)

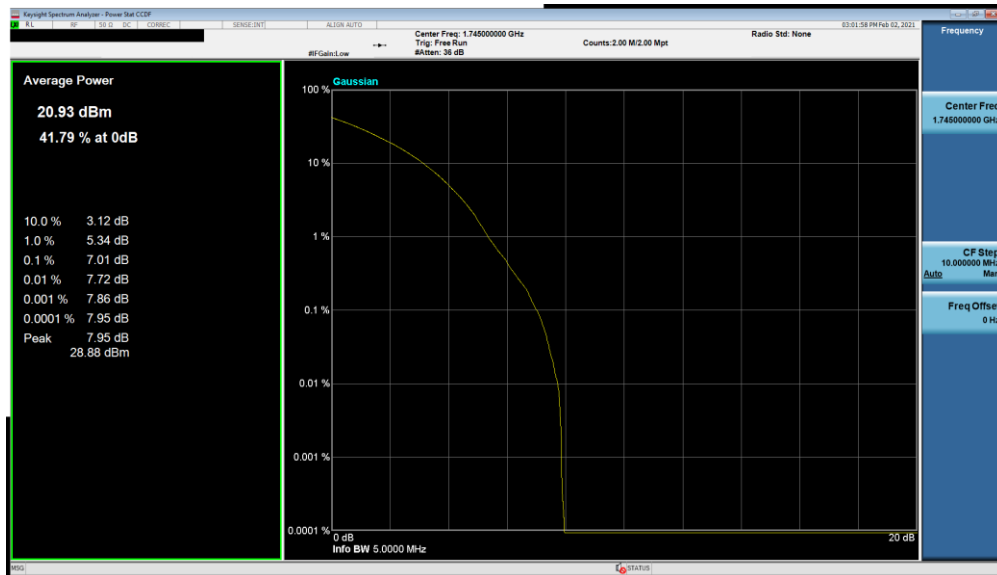


Plot 7-362. PAR Plot (NR Band n66 - 5.0MHz DFT-s-OFDM 16-QAM - Full RB)

FCC ID: BCGA2379	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 206 of 267



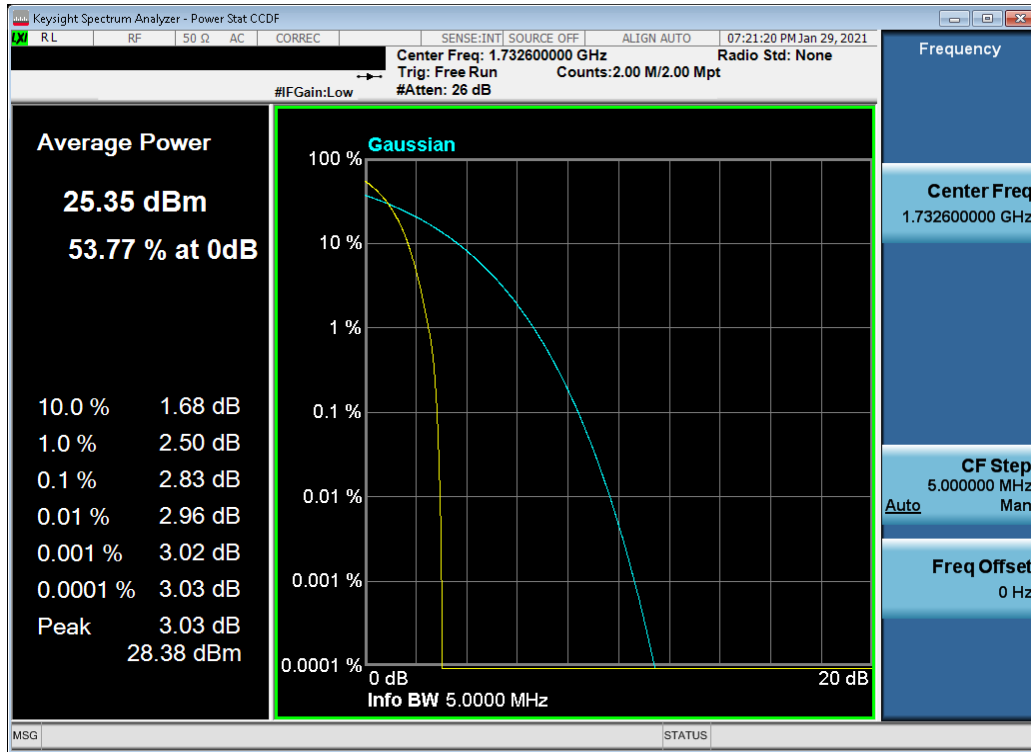
Plot 7-363. PAR Plot (NR Band n66 - 5.0MHz DFT-s-OFDM 64-QAM - Full RB)



Plot 7-364. PAR Plot (NR Band n66 - 5.0MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA2379	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 207 of 267

AWS WCDMA Mode



Plot 7-365. Peak-Average Ratio Plot (AWS WCDMA Mode)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 208 of 267

7.6 Radiated Power (ERP/EIRP) §27.50(b)(10), §27.50(c)(10), §27.50(d)(4)

Test Overview

Effective Radiated Power (ERP) and Equivalent Isotropic Radiated Power (EIRP) measurements are calculated by adding highest antenna gain to maximum measured conducted output power. All measurements are performed as RMS average measurements while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies.

Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.2.1
ANSI C63.26-2015 – Section 5.2.5.5

Test Settings

The relevant equation for determining the ERP or EIRP from the conducted RF output power measured is:

$$\text{ERP/EIRP} = \text{PMeas} - \text{LC} + \text{GT}$$

Where:

ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as PMeas, typically dBW or dBm)

PMeas = measured transmitter output power or PSD, in dBW or dBm

LC = signal attenuation in the connecting cable between the transmitter and antenna in dB

GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP)

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

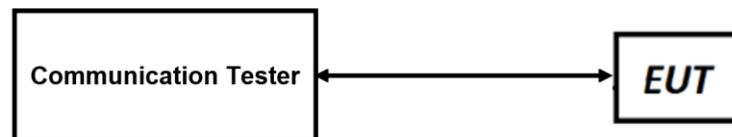


Figure 7-5. ERP/EIRP Measurement Setup

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device		Page 209 of 267

Test Notes

1. The EUT was tested in all possible test configurations. The worst case emissions are reported with the EUT modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
2. This unit was tested with its standard battery.
3. The Level (dBm) readings in the table were taken with a correction table loaded into the base station simulator. The correction table was used to account for the signal attenuation in the connecting cable between the transmitter and antenna.
4. This device employs UMTS technology with WCDMA (AMR/RMC) and HSDPA capabilities. The EUT was tested under all configurations and the highest power is reported in WCDMA mode with HSDPA Inactive at 12.2 kbps RMC and TPC bits all set to "1."
5. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.
6. The Ant. Gains (GT) are listed in dBi.

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 210 of 267

7.6.1 Antenna 3 – EIRP

LTE Band 4

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	QPSK	1720.0	0.60	1 / 99	25.49	26.09	0.406	30.00	-3.91
		1732.5	0.60	1 / 50	25.33	25.93	0.392	30.00	-4.07
		1745.0	0.60	1 / 50	25.70	26.30	0.427	30.00	-3.70
	16-QAM	1745.0	0.60	1 / 99	25.04	25.64	0.366	30.00	-4.36
	64-QAM	1732.5	0.60	1 / 99	24.35	24.95	0.313	30.00	-5.05
	256-QAM	1745.0	0.60	100 / 0	20.70	21.30	0.135	30.00	-8.70
15 MHz	QPSK	1717.5	0.60	1 / 0	25.66	26.26	0.423	30.00	-3.74
		1732.5	0.60	1 / 0	25.67	26.27	0.424	30.00	-3.73
		1747.5	0.60	1 / 37	25.70	26.30	0.427	30.00	-3.70
	16-QAM	1732.5	0.60	1 / 37	25.18	25.78	0.378	30.00	-4.22
	64-QAM	1717.5	0.60	1 / 74	24.06	24.66	0.292	30.00	-5.34
	256-QAM	1747.5	0.60	1 / 0	20.74	21.34	0.136	30.00	-8.66
10 MHz	QPSK	1715.0	0.60	1 / 49	25.41	26.01	0.399	30.00	-3.99
		1732.5	0.60	1 / 49	25.54	26.14	0.411	30.00	-3.86
		1750.0	0.60	1 / 49	25.70	26.30	0.427	30.00	-3.70
	16-QAM	1732.5	0.60	1 / 49	25.05	25.65	0.367	30.00	-4.35
	64-QAM	1750.0	0.60	1 / 0	23.97	24.57	0.286	30.00	-5.43
	256-QAM	1750.0	0.60	50 / 0	20.69	21.29	0.135	30.00	-8.71
5 MHz	QPSK	1712.5	0.60	1 / 0	25.31	25.91	0.390	30.00	-4.09
		1732.5	0.60	1 / 24	25.70	26.30	0.427	30.00	-3.70
		1752.5	0.60	1 / 24	25.60	26.20	0.417	30.00	-3.80
	16-QAM	1732.5	0.60	1 / 24	25.32	25.92	0.391	30.00	-4.08
	64-QAM	1732.5	0.60	1 / 24	23.87	24.47	0.280	30.00	-5.53
	256-QAM	1752.5	0.60	25 / 0	20.72	21.32	0.136	30.00	-8.68
3 MHz	QPSK	1711.5	0.60	1 / 7	25.41	26.01	0.399	30.00	-3.99
		1732.5	0.60	1 / 14	25.67	26.27	0.424	30.00	-3.73
		1753.5	0.60	1 / 14	25.70	26.30	0.427	30.00	-3.70
	16-QAM	1732.5	0.60	1 / 14	25.17	25.77	0.378	30.00	-4.23
	64-QAM	1753.5	0.60	1 / 0	23.85	24.45	0.279	30.00	-5.55
	256-QAM	1753.5	0.60	1 / 0	20.69	21.29	0.135	30.00	-8.71
1.4 MHz	QPSK	1710.7	0.60	1 / 0	25.31	25.91	0.390	30.00	-4.09
		1732.5	0.60	1 / 0	25.46	26.06	0.404	30.00	-3.94
		1754.3	0.60	1 / 0	25.70	26.30	0.427	30.00	-3.70
	16-QAM	1732.5	0.60	1 / 0	25.01	25.61	0.364	30.00	-4.39
	64-QAM	1754.3	0.60	1 / 0	23.79	24.39	0.275	30.00	-5.61
	256-QAM	1754.3	0.60	6 / 0	20.66	21.26	0.134	30.00	-8.74

Table 7-2. EIRP Data (LTE Band 4)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 211 of 267

LTE Band 66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	QPSK	1720.0	0.60	1 / 99	25.50	26.10	0.407	30.00	-3.90
		1745.0	0.60	1 / 0	25.40	26.00	0.398	30.00	-4.00
		1770.0	0.60	1 / 0	25.70	26.30	0.427	30.00	-3.70
	16-QAM	1770.0	0.60	1 / 0	25.36	25.96	0.394	30.00	-4.04
	64-QAM	1745.0	0.60	1 / 0	24.45	25.05	0.320	30.00	-4.95
	256-QAM	1770.0	0.60	1 / 0	21.20	21.80	0.151	30.00	-8.20
15 MHz	QPSK	1717.5	0.60	1 / 0	25.64	26.24	0.421	30.00	-3.76
		1745.0	0.60	1 / 0	25.69	26.29	0.426	30.00	-3.71
		1772.5	0.60	1 / 0	25.70	26.30	0.427	30.00	-3.70
	16-QAM	1745.0	0.60	1 / 0	25.16	25.76	0.377	30.00	-4.24
	64-QAM	1717.5	0.60	1 / 74	24.19	24.79	0.301	30.00	-5.21
	256-QAM	1772.5	0.60	1 / 0	21.57	22.17	0.165	30.00	-7.83
10 MHz	QPSK	1715.0	0.60	1 / 25	25.69	26.29	0.426	30.00	-3.71
		1745.0	0.60	1 / 25	25.65	26.25	0.422	30.00	-3.75
		1775.0	0.60	1 / 25	25.70	26.30	0.427	30.00	-3.70
	16-QAM	1745.0	0.60	1 / 0	25.17	25.77	0.378	30.00	-4.23
	64-QAM	1775.0	0.60	1 / 0	24.03	24.63	0.290	30.00	-5.37
	256-QAM	1775.0	0.60	1 / 0	21.55	22.15	0.164	30.00	-7.85
5 MHz	QPSK	1712.5	0.60	1 / 0	25.49	26.09	0.406	30.00	-3.91
		1745.0	0.60	1 / 0	25.70	26.30	0.427	30.00	-3.70
		1777.5	0.60	1 / 0	25.50	26.10	0.407	30.00	-3.90
	16-QAM	1745.0	0.60	1 / 0	25.32	25.92	0.391	30.00	-4.08
	64-QAM	1777.5	0.60	1 / 0	23.91	24.51	0.282	30.00	-5.49
	256-QAM	1745.0	0.60	1 / 0	21.11	21.71	0.148	30.00	-8.29
3 MHz	QPSK	1711.5	0.60	1 / 0	25.46	26.06	0.404	30.00	-3.94
		1745.0	0.60	1 / 14	25.66	26.26	0.423	30.00	-3.74
		1778.5	0.60	1 / 0	25.70	26.30	0.427	30.00	-3.70
	16-QAM	1745.0	0.60	1 / 14	25.15	25.75	0.376	30.00	-4.25
	64-QAM	1778.5	0.60	1 / 0	24.04	24.64	0.291	30.00	-5.36
	256-QAM	1778.5	0.60	1 / 0	21.52	22.12	0.163	30.00	-7.88
1.4 MHz	QPSK	1710.7	0.60	1 / 0	25.32	25.92	0.391	30.00	-4.08
		1745.0	0.60	1 / 0	25.70	26.30	0.427	30.00	-3.70
		1779.3	0.60	1 / 0	25.53	26.13	0.410	30.00	-3.87
	16-QAM	1779.3	0.60	1 / 0	24.53	25.13	0.326	30.00	-4.87
	64-QAM	1745.0	0.60	1 / 0	23.96	24.56	0.286	30.00	-5.44
	256-QAM	1779.3	0.60	1 / 0	21.05	21.65	0.146	30.00	-8.35

Table 7-3. EIRP Data (LTE Band 66)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 212 of 267

LTE Band 12

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	QPSK	704.0	-1.90	1 / 49	25.64	21.59	0.144	34.77	-13.18	23.74	0.237	36.99	-13.25
		707.5	-1.90	1 / 25	25.70	21.65	0.146	34.77	-13.12	23.80	0.240	36.99	-13.19
		711.0	-1.90	1 / 0	25.68	21.63	0.146	34.77	-13.14	23.78	0.239	36.99	-13.21
	16-QAM	707.5	-1.90	1 / 25	25.26	21.21	0.132	34.77	-13.56	23.36	0.217	36.99	-13.63
	64-QAM	707.5	-1.90	1 / 25	24.58	20.53	0.113	34.77	-14.24	22.68	0.185	36.99	-14.31
5 MHz	QPSK	704.0	-1.90	1 / 25	21.58	17.53	0.057	34.77	-17.24	19.68	0.093	36.99	-17.31
		701.5	-1.90	1 / 12	25.70	21.65	0.146	34.77	-13.12	23.80	0.240	36.99	-13.19
		707.5	-1.90	1 / 24	25.64	21.59	0.144	34.77	-13.18	23.74	0.237	36.99	-13.25
	16-QAM	713.5	-1.90	1 / 0	25.68	21.63	0.146	34.77	-13.14	23.78	0.239	36.99	-13.21
	64-QAM	707.5	-1.90	1 / 24	25.31	21.26	0.134	34.77	-13.51	23.41	0.219	36.99	-13.58
3 MHz	QPSK	707.5	-1.90	1 / 24	24.63	20.58	0.114	34.77	-14.19	22.73	0.187	36.99	-14.26
		701.5	-1.90	1 / 12	21.49	17.44	0.055	34.77	-17.33	19.59	0.091	36.99	-17.40
		700.5	-1.90	1 / 7	25.70	21.65	0.146	34.77	-13.12	23.80	0.240	36.99	-13.19
	16-QAM	714.5	-1.90	1 / 0	25.66	21.61	0.145	34.77	-13.16	23.76	0.238	36.99	-13.23
	64-QAM	707.5	-1.90	1 / 14	25.17	21.12	0.129	34.77	-13.65	23.27	0.212	36.99	-13.72
1.4 MHz	QPSK	707.5	-1.90	1 / 14	24.52	20.47	0.111	34.77	-14.30	22.62	0.183	36.99	-14.37
		714.5	-1.90	1 / 7	21.56	17.51	0.056	34.77	-17.26	19.66	0.092	36.99	-17.33
		699.7	-1.90	1 / 0	25.70	21.65	0.146	34.77	-13.12	23.80	0.240	36.99	-13.19
	16-QAM	715.3	-1.90	1 / 3	25.68	21.63	0.146	34.77	-13.14	23.78	0.239	36.99	-13.21
	64-QAM	707.5	-1.90	1 / 0	25.22	21.17	0.131	34.77	-13.60	23.32	0.215	36.99	-13.67
	256-QAM	707.5	-1.90	1 / 0	24.55	20.50	0.112	34.77	-14.27	22.65	0.184	36.99	-14.34
		707.5	-1.90	1 / 0	21.42	17.37	0.055	34.77	-17.40	19.52	0.090	36.99	-17.47

Table 7-4. ERP/EIRP Data (LTE Band 12)

LTE Band 17

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	QPSK	709.0	-1.90	1 / 0	25.67	21.62	0.145	34.77	-13.15	23.77	0.238	36.99	-13.22
		710.0	-1.90	1 / 25	25.70	21.65	0.146	34.77	-13.12	23.80	0.240	36.99	-13.19
		711.0	-1.90	1 / 0	25.70	21.65	0.146	34.77	-13.12	23.80	0.240	36.99	-13.19
	16-QAM	710.0	-1.90	1 / 25	25.26	21.21	0.132	34.77	-13.56	23.36	0.217	36.99	-13.63
	64-QAM	710.0	-1.90	1 / 0	24.60	20.55	0.114	34.77	-14.22	22.70	0.186	36.99	-14.29
5 MHz	QPSK	710.0	-1.90	1 / 25	21.37	17.32	0.054	34.77	-17.45	19.47	0.089	36.99	-17.52
		706.5	-1.90	1 / 24	25.09	21.04	0.127	34.77	-13.73	23.19	0.208	36.99	-13.80
		710.0	-1.90	1 / 0	25.55	21.50	0.141	34.77	-13.27	23.65	0.232	36.99	-13.34
	16-QAM	713.5	-1.90	1 / 12	24.98	20.93	0.124	34.77	-13.84	23.08	0.203	36.99	-13.91
	64-QAM	710.0	-1.90	1 / 0	25.05	21.00	0.126	34.77	-13.77	23.15	0.207	36.99	-13.84
	256-QAM	706.5	-1.90	1 / 24	24.42	20.37	0.109	34.77	-14.40	22.52	0.179	36.99	-14.47
		706.5	-1.90	1 / 24	21.42	17.37	0.055	34.77	-17.40	19.52	0.090	36.99	-17.47

Table 7-5. ERP/EIRP Data (LTE Band 17)

LTE Band 13

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	QPSK	782.0	-3.90	1 / 0	25.70	19.65	0.092	34.77	-15.12	21.80	0.151	36.99	-15.19
	16-QAM	782.0	-3.90	1 / 0	24.83	18.78	0.076	34.77	-15.99	20.93	0.124	36.99	-16.06
	64-QAM	782.0	-3.90	1 / 0	24.00	17.95	0.062	34.77	-16.82	20.10	0.102	36.99	-16.89
	256-QAM	782.0	-3.90	1 / 49	21.52	15.47	0.035	34.77	-19.30	17.62	0.058	36.99	-19.37
5 MHz	QPSK	779.5	-3.90	1 / 24	25.70	19.65	0.092	34.77	-15.12	21.80	0.151	36.99	-15.19
		782.0	-3.90	1 / 24	25.70	19.65	0.092	34.77	-15.12	21.80	0.151	36.99	-15.19
		784.5	-3.90	1 / 0	25.67	19.62	0.092	34.77	-15.15	21.77	0.150	36.99	-15.22
	16-QAM	782.0	-3.90	1 / 0	25.01	18.96	0.079	34.77	-15.81	21.11	0.129	36.99	-15.88
	64-QAM	782.0	-3.90	1 / 12	24.40	18.35	0.068	34.77	-16.42	20.50	0.112	36.99	-16.49
	256-QAM	779.5	-3.90	1 / 0	21.54	15.49	0.035	34.77	-19.28	17.64	0.058	36.99	-19.35

Table 7-6. ERP/EIRP Data (LTE Band 13)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 213 of 267

LTE Band 71

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	QPSK	673.0	-2.10	1 / 50	25.70	21.45	0.140	34.77	-13.32	23.60	0.229	36.99	-13.39
		680.5	-2.10	1 / 50	25.48	21.23	0.133	34.77	-13.54	23.38	0.218	36.99	-13.61
		688.0	-2.10	1 / 50	25.42	21.17	0.131	34.77	-13.60	23.32	0.215	36.99	-13.67
	16-QAM	680.5	-2.10	1 / 50	25.01	20.76	0.119	34.77	-14.01	22.91	0.195	36.99	-14.08
	64-QAM	688.0	-2.10	1 / 0	23.70	19.45	0.088	34.77	-15.32	21.60	0.145	36.99	-15.39
15 MHz	QPSK	680.5	-2.10	1 / 0	21.33	17.08	0.051	34.77	-17.69	19.23	0.084	36.99	-17.76
		670.5	-2.10	1 / 37	25.70	21.45	0.140	34.77	-13.32	23.60	0.229	36.99	-13.39
		680.5	-2.10	1 / 0	25.39	21.14	0.130	34.77	-13.63	23.29	0.213	36.99	-13.70
	16-QAM	690.5	-2.10	1 / 0	25.55	21.30	0.135	34.77	-13.47	23.45	0.221	36.99	-13.54
	64-QAM	680.5	-2.10	1 / 0	25.15	20.90	0.123	34.77	-13.87	23.05	0.202	36.99	-13.94
10 MHz	QPSK	680.5	-2.10	1 / 0	24.06	19.81	0.096	34.77	-14.96	21.96	0.157	36.99	-15.03
		690.5	-2.10	1 / 0	21.46	17.21	0.053	34.77	-17.56	19.36	0.086	36.99	-17.63
		668.0	-2.10	1 / 25	25.70	21.45	0.140	34.77	-13.32	23.60	0.229	36.99	-13.39
	16-QAM	680.5	-2.10	1 / 49	25.36	21.11	0.129	34.77	-13.66	23.26	0.212	36.99	-13.73
	64-QAM	693.0	-2.10	1 / 25	25.60	21.35	0.136	34.77	-13.42	23.50	0.224	36.99	-13.49
5 MHz	QPSK	668.0	-2.10	1 / 25	25.16	20.91	0.123	34.77	-13.86	23.06	0.202	36.99	-13.93
		668.0	-2.10	1 / 25	24.07	19.82	0.096	34.77	-14.95	21.97	0.157	36.99	-15.02
		693.0	-2.10	1 / 25	21.40	17.15	0.052	34.77	-17.62	19.30	0.085	36.99	-17.69
	16-QAM	665.5	-2.10	1 / 12	25.68	21.43	0.139	34.77	-13.34	23.58	0.228	36.99	-13.41
	64-QAM	680.5	-2.10	1 / 0	25.48	21.23	0.133	34.77	-13.54	23.38	0.218	36.99	-13.61
256-QAM	695.5	-2.10	1 / 12	25.70	21.45	0.140	34.77	-13.32	23.60	0.229	36.99	-13.39	
	665.5	-2.10	1 / 12	25.38	21.13	0.130	34.77	-13.64	23.28	0.213	36.99	-13.71	
	665.5	-2.10	1 / 12	24.21	19.96	0.099	34.77	-14.81	22.11	0.163	36.99	-14.88	
		665.5	-2.10	1 / 12	21.43	17.18	0.052	34.77	-17.59	19.33	0.086	36.99	-17.66

Table 7-7. ERP/EIRP Data (LTE Band 71)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 214 of 267

NR Band n66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	$\pi/2$ BPSK	1720.0	0.60	1 / 50	25.13	25.73	0.374	30.00	-4.27
		1745.0	0.60	1 / 50	25.33	25.93	0.391	30.00	-4.07
		1770.0	0.60	1 / 98	25.67	26.27	0.424	30.00	-3.73
	QPSK	1720.0	0.60	1 / 50	25.48	26.08	0.406	30.00	-3.92
		1745.0	0.60	1 / 50	25.49	26.09	0.407	30.00	-3.91
		1770.0	0.60	1 / 50	25.38	25.98	0.396	30.00	-4.02
	16-QAM	1720.0	0.60	1 / 1	24.68	25.28	0.338	30.00	-4.72
	64-QAM	1720.0	0.60	1 / 98	23.23	23.83	0.242	30.00	-6.17
	256-QAM	1720.0	0.60	1 / 1	21.29	21.89	0.155	30.00	-8.11
15 MHz	$\pi/2$ BPSK	1717.5	0.60	1 / 73	25.43	26.03	0.401	30.00	-3.97
		1745.0	0.60	1 / 73	25.41	26.01	0.399	30.00	-3.99
		1772.5	0.60	1 / 1	25.37	25.97	0.396	30.00	-4.03
	QPSK	1717.5	0.60	1 / 1	25.39	25.99	0.398	30.00	-4.01
		1745.0	0.60	1 / 75	25.16	25.76	0.377	30.00	-4.24
		1772.5	0.60	1 / 75	25.29	25.89	0.388	30.00	-4.11
	16-QAM	1717.5	0.60	1 / 73	24.75	25.35	0.342	30.00	-4.65
	64-QAM	1772.5	0.60	1 / 75	22.99	23.59	0.229	30.00	-6.41
	256-QAM	1772.5	0.60	1 / 1	21.23	21.83	0.152	30.00	-8.17
10 MHz	$\pi/2$ BPSK	1715.0	0.60	1 / 1	25.34	25.94	0.393	30.00	-4.06
		1745.0	0.60	1 / 1	25.12	25.72	0.373	30.00	-4.28
		1775.0	0.60	1 / 48	25.70	26.30	0.427	30.00	-3.70
	QPSK	1715.0	0.60	1 / 25	25.43	26.03	0.401	30.00	-3.97
		1745.0	0.60	1 / 25	25.33	25.93	0.392	30.00	-4.07
		1775.0	0.60	1 / 25	25.29	25.89	0.388	30.00	-4.11
	16-QAM	1715.0	0.60	1 / 48	25.03	25.63	0.365	30.00	-4.37
	64-QAM	1745.0	0.60	1 / 25	23.22	23.82	0.241	30.00	-6.18
	256-QAM	1715.0	0.60	1 / 48	21.04	21.64	0.146	30.00	-8.36
5 MHz	$\pi/2$ BPSK	1712.5	0.60	1 / 12	25.54	26.14	0.411	30.00	-3.86
		1745.0	0.60	1 / 12	25.56	26.16	0.413	30.00	-3.84
		1777.5	0.60	1 / 1	25.43	26.03	0.401	30.00	-3.97
	QPSK	1712.5	0.60	1 / 1	24.95	25.55	0.359	30.00	-4.45
		1745.0	0.60	1 / 12	25.25	25.85	0.385	30.00	-4.15
		1777.5	0.60	1 / 12	25.45	26.05	0.403	30.00	-3.95
	16-QAM	1745.0	0.60	1 / 23	24.89	25.49	0.354	30.00	-4.51
	64-QAM	1745.0	0.60	1 / 23	23.21	23.81	0.241	30.00	-6.19
	256-QAM	1745.0	0.60	1 / 23	21.09	21.69	0.148	30.00	-8.31

Table 7-8. EIRP Data (NR Band n66 DFTs – OFDM)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 215 of 267

NR Band n12

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
15 MHz	TT/2 BPSK	673.0	-1.90	1 / 1	25.56	23.66	0.232	36.99	-13.33	21.51	0.142	34.77	-13.26
		680.5	-1.90	1 / 75	25.70	23.80	0.240	36.99	-13.19	21.65	0.146	34.77	-13.12
		688.0	-1.90	1 / 75	25.62	23.72	0.236	36.99	-13.27	21.57	0.144	34.77	-13.20
	QPSK	670.5	-1.90	1 / 1	25.59	23.69	0.234	36.99	-13.30	21.54	0.143	34.77	-13.23
		680.5	-1.90	1 / 1	25.50	23.60	0.229	36.99	-13.39	21.45	0.140	34.77	-13.32
		690.5	-1.90	1 / 1	25.41	23.51	0.224	36.99	-13.48	21.36	0.137	34.77	-13.41
	16-QAM	670.5	-1.90	1 / 1	24.87	22.97	0.198	36.99	-14.02	20.82	0.121	34.77	-13.96
10 MHz	TT/2 BPSK	670.5	-1.90	75 / 0	23.17	21.27	0.134	36.99	-15.72	19.12	0.082	34.77	-15.65
		670.5	-1.90	1 / 1	21.42	19.52	0.090	36.99	-17.47	17.37	0.055	34.77	-17.40
		673.0	-1.90	1 / 48	25.57	23.67	0.233	36.99	-13.32	21.52	0.142	34.77	-13.25
	QPSK	680.5	-1.90	1 / 1	25.70	23.80	0.240	36.99	-13.19	21.65	0.146	34.77	-13.12
		688.0	-1.90	1 / 48	25.44	23.54	0.226	36.99	-13.45	21.39	0.138	34.77	-13.38
		668.0	-1.90	1 / 1	25.62	23.72	0.235	36.99	-13.27	21.57	0.143	34.77	-13.21
		680.5	-1.90	1 / 25	25.25	23.35	0.216	36.99	-13.64	21.20	0.132	34.77	-13.57
5 MHz	TT/2 BPSK	693.0	-1.90	1 / 25	25.65	23.75	0.237	36.99	-13.24	21.60	0.144	34.77	-13.17
		668.0	-1.90	1 / 48	24.84	22.94	0.197	36.99	-14.05	20.79	0.120	34.77	-13.98
		668.0	-1.90	50 / 0	23.14	21.24	0.133	36.99	-15.75	19.09	0.081	34.77	-15.68
	QPSK	680.5	-1.90	1 / 48	21.42	19.52	0.090	36.99	-17.47	17.37	0.055	34.77	-17.40
		673.0	-1.90	1 / 12	25.67	23.77	0.238	36.99	-13.22	21.62	0.145	34.77	-13.15
		680.5	-1.90	1 / 12	25.70	23.80	0.240	36.99	-13.19	21.65	0.146	34.77	-13.12
		688.0	-1.90	1 / 1	25.50	23.60	0.229	36.99	-13.39	21.45	0.140	34.77	-13.32
5 MHz	QPSK	665.5	-1.90	1 / 1	25.46	23.56	0.227	36.99	-13.43	21.41	0.138	34.77	-13.37
		680.5	-1.90	1 / 23	25.60	23.70	0.235	36.99	-13.29	21.55	0.143	34.77	-13.22
		695.5	-1.90	1 / 1	25.43	23.53	0.226	36.99	-13.46	21.38	0.137	34.77	-13.39
	16-QAM	665.5	-1.90	1 / 12	24.90	23.00	0.200	36.99	-13.99	20.85	0.122	34.77	-13.92
	64-QAM	665.5	-1.90	1 / 1	23.46	21.56	0.143	36.99	-15.43	19.41	0.087	34.77	-15.36
		680.5	-1.90	1 / 12	21.56	19.66	0.092	36.99	-17.33	17.51	0.056	34.77	-17.26

Table 7-9. ERP/EIRP Data (NR Band n12 DFT-s – OFDM)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 216 of 267

NR Band n71

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
20 MHz	π/2 BPSK	673.0	-2.10	1 / 1	25.70	23.60	0.229	36.99	-13.39	21.45	0.140	34.77	-13.32
		680.5	-2.10	1 / 1	25.64	23.54	0.226	36.99	-13.45	21.39	0.138	34.77	-13.38
		688.0	-2.10	1 / 98	25.48	23.38	0.218	36.99	-13.61	21.23	0.133	34.77	-13.54
	QPSK	673.0	-2.10	1 / 1	25.54	23.44	0.221	36.99	-13.55	21.29	0.135	34.77	-13.48
		680.5	-2.10	1 / 50	25.69	23.59	0.229	36.99	-13.40	21.44	0.139	34.77	-13.33
		688.0	-2.10	1 / 1	25.70	23.60	0.229	36.99	-13.39	21.45	0.140	34.77	-13.32
	16-QAM	680.5	-2.10	1 / 50	25.07	22.97	0.198	36.99	-14.02	20.82	0.121	34.77	-13.95
		680.5	-2.10	1 / 1	23.56	21.46	0.140	36.99	-15.53	19.31	0.085	34.77	-15.46
	256-QAM	673.0	-2.10	1 / 1	21.24	19.14	0.082	36.99	-17.85	16.99	0.050	34.77	-17.78
		673.0	-2.10	1 / 1	25.65	23.55	0.227	36.99	-13.43	21.40	0.138	34.77	-13.37
15 MHz	π/2 BPSK	680.5	-2.10	1 / 73	25.57	23.47	0.223	36.99	-13.52	21.32	0.136	34.77	-13.45
		690.5	-2.10	1 / 75	25.62	23.52	0.225	36.99	-13.47	21.37	0.137	34.77	-13.40
		670.5	-2.10	1 / 1	25.70	23.60	0.229	36.99	-13.39	21.45	0.140	34.77	-13.32
	QPSK	680.5	-2.10	1 / 1	25.67	23.57	0.228	36.99	-13.42	21.42	0.139	34.77	-13.35
		690.5	-2.10	1 / 75	25.52	23.42	0.220	36.99	-13.57	21.27	0.134	34.77	-13.50
		680.5	-2.10	1 / 73	25.04	22.94	0.197	36.99	-14.05	20.79	0.120	34.77	-13.98
	16-QAM	670.5	-2.10	1 / 73	23.38	21.28	0.134	36.99	-15.71	19.13	0.082	34.77	-15.64
		670.5	-2.10	1 / 1	21.43	19.33	0.086	36.99	-17.66	17.18	0.052	34.77	-17.59
	256-QAM	668.0	-2.10	1 / 1	25.70	23.60	0.229	36.99	-13.39	21.45	0.140	34.77	-13.32
		680.5	-2.10	1 / 1	25.53	23.43	0.220	36.99	-13.56	21.28	0.134	34.77	-13.49
10 MHz	π/2 BPSK	693.0	-2.10	1 / 48	25.42	23.32	0.215	36.99	-13.67	21.17	0.131	34.77	-13.61
		668.0	-2.10	1 / 1	25.44	23.34	0.216	36.99	-13.65	21.19	0.131	34.77	-13.58
		680.5	-2.10	1 / 48	25.68	23.58	0.228	36.99	-13.41	21.43	0.139	34.77	-13.34
	QPSK	693.0	-2.10	1 / 1	25.63	23.53	0.225	36.99	-13.46	21.38	0.137	34.77	-13.39
		680.5	-2.10	1 / 1	24.89	22.79	0.190	36.99	-14.20	20.64	0.116	34.77	-14.13
		680.5	-2.10	1 / 1	23.16	21.06	0.128	36.99	-15.93	18.91	0.078	34.77	-15.86
	16-QAM	668.0	-2.10	1 / 1	21.40	19.30	0.085	36.99	-17.69	17.15	0.052	34.77	-17.62
		665.5	-2.10	1 / 12	25.70	23.60	0.229	36.99	-13.39	21.45	0.140	34.77	-13.32
	256-QAM	680.5	-2.10	1 / 12	25.55	23.45	0.221	36.99	-13.54	21.30	0.135	34.77	-13.48
		695.5	-2.10	1 / 1	25.66	23.56	0.227	36.99	-13.43	21.41	0.138	34.77	-13.36
5 MHz	π/2 BPSK	665.5	-2.10	1 / 23	25.61	23.51	0.224	36.99	-13.48	21.36	0.137	34.77	-13.41
		680.5	-2.10	1 / 1	25.61	23.51	0.224	36.99	-13.48	21.36	0.137	34.77	-13.41
		695.5	-2.10	1 / 12	25.58	23.48	0.223	36.99	-13.51	21.33	0.136	34.77	-13.44
	QPSK	680.5	-2.10	1 / 1	24.85	22.75	0.188	36.99	-14.24	20.60	0.115	34.77	-14.17
		665.5	-2.10	1 / 23	23.24	21.14	0.130	36.99	-15.85	18.99	0.079	34.77	-15.78
		665.5	-2.10	1 / 23	21.28	19.18	0.083	36.99	-17.81	17.03	0.050	34.77	-17.75
	16-QAM	680.5	-2.10	1 / 1	24.85	22.75	0.188	36.99	-14.24	20.60	0.115	34.77	-14.17
		665.5	-2.10	1 / 23	23.24	21.14	0.130	36.99	-15.85	18.99	0.079	34.77	-15.78
	256-QAM	665.5	-2.10	1 / 23	21.28	19.18	0.083	36.99	-17.81	17.03	0.050	34.77	-17.75

Table 7-10. ERP/EIRP Data (NR Band n71 DFT-s – OFDM)

WCDMA AWS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	25.50	0.60	26.10	0.407	30.00	-3.90
1732.60	WCDMA1700	25.52	0.60	26.12	0.409	30.00	-3.88
1752.60	WCDMA1700	25.59	0.60	26.19	0.416	30.00	-3.81

Table 7-11. EIRP Data (WCDMA AWS)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device		Page 217 of 267

7.6.2 Antenna 1 – EIRP

LTE Band 4

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	QPSK	1720.0	1.10	1 / 50	22.53	23.63	0.231	30.00	-6.37
		1732.5	1.10	1 / 50	22.40	23.50	0.224	30.00	-6.50
		1745.0	1.10	1 / 50	22.70	23.80	0.240	30.00	-6.20
	16-QAM	1745.0	1.10	1 / 99	23.07	24.17	0.261	30.00	-5.83
	64-QAM	1732.5	1.10	1 / 50	21.37	22.47	0.177	30.00	-7.53
	256-QAM	1745.0	1.10	1 / 99	18.38	19.48	0.089	30.00	-10.52
15 MHz	QPSK	1717.5	1.10	1 / 37	22.70	23.80	0.240	30.00	-6.20
		1732.5	1.10	1 / 37	22.62	23.72	0.236	30.00	-6.28
		1747.5	1.10	1 / 0	22.63	23.73	0.236	30.00	-6.27
	16-QAM	1732.5	1.10	1 / 0	22.11	23.21	0.209	30.00	-6.79
	64-QAM	1717.5	1.10	1 / 0	21.34	22.44	0.175	30.00	-7.56
	256-QAM	1717.5	1.10	75 / 0	18.00	19.10	0.081	30.00	-10.90
10 MHz	QPSK	1715.0	1.10	1 / 49	22.42	23.52	0.225	30.00	-6.48
		1732.5	1.10	1 / 49	22.56	23.66	0.232	30.00	-6.34
		1750.0	1.10	1 / 49	22.70	23.80	0.240	30.00	-6.20
	16-QAM	1732.5	1.10	1 / 49	22.04	23.14	0.206	30.00	-6.86
	64-QAM	1750.0	1.10	1 / 49	21.03	22.13	0.163	30.00	-7.87
	256-QAM	1750.0	1.10	50 / 0	17.95	19.05	0.080	30.00	-10.95
5 MHz	QPSK	1712.5	1.10	1 / 24	22.57	23.67	0.233	30.00	-6.33
		1732.5	1.10	1 / 24	22.70	23.80	0.240	30.00	-6.20
		1752.5	1.10	1 / 24	22.61	23.71	0.235	30.00	-6.29
	16-QAM	1732.5	1.10	1 / 24	22.34	23.44	0.221	30.00	-6.56
	64-QAM	1712.5	1.10	1 / 0	21.11	22.21	0.166	30.00	-7.79
	256-QAM	1752.5	1.10	25 / 0	18.02	19.12	0.082	30.00	-10.88
3 MHz	QPSK	1711.5	1.10	1 / 0	22.55	23.65	0.232	30.00	-6.35
		1732.5	1.10	1 / 14	22.62	23.72	0.236	30.00	-6.28
		1753.5	1.10	1 / 14	22.70	23.80	0.240	30.00	-6.20
	16-QAM	1732.5	1.10	1 / 14	22.11	23.21	0.209	30.00	-6.79
	64-QAM	1753.5	1.10	1 / 0	21.03	22.13	0.163	30.00	-7.87
	256-QAM	1753.5	1.10	15 / 0	18.05	19.15	0.082	30.00	-10.85
1.4 MHz	QPSK	1710.7	1.10	1 / 0	22.33	23.43	0.220	30.00	-6.57
		1732.5	1.10	1 / 0	22.43	23.53	0.225	30.00	-6.47
		1754.3	1.10	1 / 0	22.70	23.80	0.240	30.00	-6.20
	16-QAM	1732.5	1.10	1 / 0	22.00	23.10	0.204	30.00	-6.90
	64-QAM	1754.3	1.10	1 / 0	20.95	22.05	0.160	30.00	-7.95
	256-QAM	1710.7	1.10	6 / 0	18.14	19.24	0.084	30.00	-10.76

Table 7-12. EIRP Data (LTE Band 4)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 218 of 267

LTE Band 66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	QPSK	1720.0	1.10	1 / 0	22.60	23.70	0.234	30.00	-6.30
		1745.0	1.10	1 / 0	22.42	23.52	0.225	30.00	-6.48
		1770.0	1.10	1 / 0	22.70	23.80	0.240	30.00	-6.20
	16-QAM	1770.0	1.10	1 / 0	22.38	23.48	0.223	30.00	-6.52
	64-QAM	1745.0	1.10	1 / 0	21.45	22.55	0.180	30.00	-7.45
	256-QAM	1745.0	1.10	100 / 0	18.39	19.49	0.089	30.00	-10.51
15 MHz	QPSK	1717.5	1.10	1 / 0	22.70	23.80	0.240	30.00	-6.20
		1745.0	1.10	1 / 0	22.67	23.77	0.238	30.00	-6.23
		1772.5	1.10	1 / 0	22.65	23.75	0.237	30.00	-6.25
	16-QAM	1745.0	1.10	1 / 0	22.14	23.24	0.211	30.00	-6.76
	64-QAM	1717.5	1.10	1 / 0	21.35	22.45	0.176	30.00	-7.55
	256-QAM	1772.5	1.10	75 / 0	18.39	19.49	0.089	30.00	-10.51
10 MHz	QPSK	1715.0	1.10	1 / 49	22.47	23.57	0.228	30.00	-6.43
		1745.0	1.10	1 / 25	22.60	23.70	0.234	30.00	-6.30
		1775.0	1.10	1 / 25	22.70	23.80	0.240	30.00	-6.20
	16-QAM	1745.0	1.10	1 / 25	22.10	23.20	0.209	30.00	-6.80
	64-QAM	1775.0	1.10	1 / 0	21.00	22.10	0.162	30.00	-7.90
	256-QAM	1715.0	1.10	50 / 0	18.30	19.40	0.087	30.00	-10.60
5 MHz	QPSK	1712.5	1.10	1 / 0	22.49	23.59	0.229	30.00	-6.41
		1745.0	1.10	1 / 0	22.70	23.80	0.240	30.00	-6.20
		1777.5	1.10	1 / 12	22.56	23.66	0.232	30.00	-6.34
	16-QAM	1745.0	1.10	1 / 0	22.34	23.44	0.221	30.00	-6.56
	64-QAM	1712.5	1.10	1 / 0	21.06	22.16	0.164	30.00	-7.84
	256-QAM	1777.5	1.10	25 / 0	18.38	19.48	0.089	30.00	-10.52
3 MHz	QPSK	1711.5	1.10	1 / 0	22.57	23.67	0.233	30.00	-6.33
		1745.0	1.10	1 / 14	22.67	23.77	0.238	30.00	-6.23
		1778.5	1.10	1 / 0	22.70	23.80	0.240	30.00	-6.20
	16-QAM	1745.0	1.10	1 / 14	22.15	23.25	0.211	30.00	-6.75
	64-QAM	1778.5	1.10	1 / 0	21.05	22.15	0.164	30.00	-7.85
	256-QAM	1778.5	1.10	15 / 0	18.42	19.52	0.090	30.00	-10.48
1.4 MHz	QPSK	1710.7	1.10	1 / 0	22.33	23.43	0.220	30.00	-6.57
		1745.0	1.10	1 / 0	22.52	23.62	0.230	30.00	-6.38
		1779.3	1.10	1 / 0	22.70	23.80	0.240	30.00	-6.20
	16-QAM	1745.0	1.10	1 / 0	22.00	23.10	0.204	30.00	-6.90
	64-QAM	1779.3	1.10	1 / 0	20.97	22.07	0.161	30.00	-7.93
	256-QAM	1710.7	1.10	6 / 0	18.41	19.51	0.089	30.00	-10.49

Table 7-13. EIRP Data (LTE Band 66)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 219 of 267

LTE Band 12

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	QPSK	704.0	-3.20	1 / 25	23.74	18.39	0.069	34.77	-16.38	20.54	0.113	36.99	-16.45
		707.5	-3.20	1 / 25	23.86	18.51	0.071	34.77	-16.26	20.66	0.116	36.99	-16.33
		711.0	-3.20	1 / 25	23.90	18.55	0.072	34.77	-16.22	20.70	0.117	36.99	-16.29
	16-QAM	707.5	-3.20	1 / 25	23.44	18.09	0.064	34.77	-16.68	20.24	0.106	36.99	-16.75
	64-QAM	707.5	-3.20	1 / 0	22.37	17.02	0.050	34.77	-17.75	19.17	0.083	36.99	-17.82
5 MHz	QPSK	704.0	-3.20	50 / 0	21.21	15.86	0.039	34.77	-18.91	18.01	0.063	36.99	-18.98
		701.5	-3.20	1 / 12	23.66	18.31	0.068	34.77	-16.46	20.46	0.111	36.99	-16.53
		707.5	-3.20	1 / 12	23.74	18.39	0.069	34.77	-16.38	20.54	0.113	36.99	-16.45
	16-QAM	713.5	-3.20	1 / 12	23.90	18.55	0.072	34.77	-16.22	20.70	0.117	36.99	-16.29
		701.5	-3.20	1 / 12	23.32	17.97	0.063	34.77	-16.80	20.12	0.103	36.99	-16.87
3 MHz	QPSK	707.5	-3.20	1 / 12	22.81	17.46	0.056	34.77	-17.31	19.61	0.091	36.99	-17.38
		701.5	-3.20	1 / 12	22.81	17.46	0.056	34.77	-17.31	19.61	0.091	36.99	-17.38
		701.5	-3.20	1 / 12	21.37	16.02	0.040	34.77	-18.75	18.17	0.066	36.99	-18.82
	16-QAM	700.5	-3.20	1 / 0	23.90	18.55	0.072	34.77	-16.22	20.70	0.117	36.99	-16.29
	64-QAM	707.5	-3.20	1 / 7	23.49	18.14	0.065	34.77	-16.63	20.29	0.107	36.99	-16.70
1.4 MHz	QPSK	714.5	-3.20	1 / 7	23.67	18.32	0.068	34.77	-16.45	20.47	0.111	36.99	-16.52
		707.5	-3.20	1 / 7	23.38	18.03	0.064	34.77	-16.74	20.18	0.104	36.99	-16.81
		700.5	-3.20	1 / 7	22.93	17.58	0.057	34.77	-17.19	19.73	0.094	36.99	-17.26
	16-QAM	707.5	-3.20	15 / 0	21.25	15.90	0.039	34.77	-18.87	18.05	0.064	36.99	-18.94
	64-QAM	699.7	-3.20	1 / 0	23.90	18.55	0.072	34.77	-16.22	20.70	0.117	36.99	-16.29
	QPSK	707.5	-3.20	1 / 0	23.61	18.26	0.067	34.77	-16.51	20.41	0.110	36.99	-16.58
		715.3	-3.20	1 / 0	23.76	18.41	0.069	34.77	-16.36	20.56	0.114	36.99	-16.43
		699.7	-3.20	1 / 0	23.47	18.12	0.065	34.77	-16.65	20.27	0.106	36.99	-16.72
	16-QAM	707.5	-3.20	1 / 0	22.23	16.88	0.049	34.77	-17.89	19.03	0.080	36.99	-17.96
	256-QAM	699.7	-3.20	6 / 0	21.16	15.81	0.038	34.77	-18.96	17.96	0.063	36.99	-19.03

Table 7-14. ERP/EIRP Data (LTE Band 12)

LTE Band 17

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	QPSK	709.0	-3.20	1 / 25	23.87	18.52	0.071	34.77	-16.25	20.67	0.117	36.99	-16.32
		710.0	-3.20	1 / 25	23.63	18.28	0.067	34.77	-16.49	20.43	0.110	36.99	-16.56
		711.0	-3.20	1 / 25	23.90	18.55	0.072	34.77	-16.22	20.70	0.117	36.99	-16.29
	16-QAM	710.0	-3.20	1 / 25	23.38	18.03	0.064	34.77	-16.74	20.18	0.104	36.99	-16.81
	64-QAM	710.0	-3.20	1 / 0	22.23	16.88	0.049	34.77	-17.89	19.03	0.080	36.99	-17.96
5 MHz	QPSK	709.0	-3.20	50 / 0	19.22	13.87	0.024	34.77	-20.90	16.02	0.040	36.99	-20.97
		706.5	-3.20	1 / 24	23.85	18.50	0.071	34.77	-16.27	20.65	0.116	36.99	-16.34
		710.0	-3.20	1 / 0	23.74	18.39	0.069	34.77	-16.38	20.54	0.113	36.99	-16.45
	16-QAM	713.5	-3.20	1 / 0	23.90	18.55	0.072	34.77	-16.22	20.70	0.117	36.99	-16.29
	64-QAM	706.5	-3.20	1 / 0	23.49	18.14	0.065	34.77	-16.63	20.29	0.107	36.99	-16.70
	QPSK	706.5	-3.20	1 / 0	22.44	17.09	0.051	34.77	-17.68	19.24	0.084	36.99	-17.75
		710.0	-3.20	25 / 0	19.28	13.93	0.025	34.77	-20.84	16.08	0.041	36.99	-20.91

Table 7-15. ERP/EIRP Data (LTE Band 17)

LTE Band 13

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	QPSK	782.0	-3.50	1 / 25	23.64	17.99	0.063	34.77	-16.78	20.14	0.103	36.99	-16.85
	16-QAM	782.0	-3.50	1 / 49	22.77	17.12	0.052	34.77	-17.65	19.27	0.085	36.99	-17.72
	64-QAM	782.0	-3.50	1 / 0	21.19	15.54	0.036	34.77	-19.23	17.69	0.059	36.99	-19.30
	256-QAM	782.0	-3.50	50 / 0	19.35	13.70	0.023	34.77	-21.07	15.85	0.038	36.99	-21.14
5 MHz	QPSK	779.5	-3.50	1 / 24	23.74	18.09	0.064	34.77	-16.68	20.24	0.106	36.99	-16.75
		782.0	-3.50	25 / 0	23.65	18.00	0.063	34.77	-16.77	20.15	0.104	36.99	-16.84
		784.5	-3.50	1 / 24	23.90	18.25	0.067	34.77	-16.52	20.40	0.110	36.99	-16.59
	16-QAM	779.5	-3.50	1 / 0	23.37	17.72	0.059	34.77	-17.05	19.87	0.097	36.99	-17.12
	64-QAM	779.5	-3.50	1 / 24	22.34	16.69	0.047	34.77	-18.08	18.84	0.077	36.99	-18.15
	256-QAM	784.5	-3.50	1 / 24	19.99	14.34	0.027	34.77	-20.43	16.49	0.045	36.99	-20.50

Table 7-16. ERP/EIRP Data (LTE Band 13)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 220 of 267

LTE Band 71

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	QPSK	673.0	-3.10	1 / 50	23.90	18.65	0.073	34.77	-16.12	20.80	0.120	36.99	-16.19
		680.5	-3.10	1 / 0	23.63	18.38	0.069	34.77	-16.39	20.53	0.113	36.99	-16.46
		688.0	-3.10	1 / 50	23.63	18.38	0.069	34.77	-16.39	20.53	0.113	36.99	-16.46
	16-QAM	688.0	-3.10	1 / 0	23.24	17.99	0.063	34.77	-16.78	20.14	0.103	36.99	-16.85
	64-QAM	688.0	-3.10	1 / 0	21.88	16.63	0.046	34.77	-18.14	18.78	0.076	36.99	-18.21
15 MHz	QPSK	673.0	-3.10	100 / 0	19.32	14.07	0.026	34.77	-20.70	16.22	0.042	36.99	-20.77
		670.5	-3.10	1 / 37	23.90	18.65	0.073	34.77	-16.12	20.80	0.120	36.99	-16.19
		680.5	-3.10	1 / 0	23.61	18.36	0.069	34.77	-16.41	20.51	0.112	36.99	-16.48
	16-QAM	690.5	-3.10	1 / 0	23.73	18.48	0.070	34.77	-16.29	20.63	0.116	36.99	-16.36
		680.5	-3.10	1 / 0	23.32	18.07	0.064	34.77	-16.70	20.22	0.105	36.99	-16.77
10 MHz	QPSK	680.5	-3.10	1 / 0	22.24	16.99	0.050	34.77	-17.78	19.14	0.082	36.99	-17.85
		670.5	-3.10	75 / 0	19.28	14.03	0.025	34.77	-20.74	16.18	0.041	36.99	-20.81
		668.0	-3.10	1 / 25	23.90	18.65	0.073	34.77	-16.12	20.80	0.120	36.99	-16.19
	16-QAM	680.5	-3.10	1 / 25	23.54	18.29	0.067	34.77	-16.48	20.44	0.111	36.99	-16.55
		693.0	-3.10	1 / 25	23.81	18.56	0.072	34.77	-16.21	20.71	0.118	36.99	-16.28
5 MHz	QPSK	668.0	-3.10	1 / 25	23.41	18.16	0.065	34.77	-16.61	20.31	0.107	36.99	-16.68
		668.0	-3.10	1 / 25	22.21	16.96	0.050	34.77	-17.81	19.11	0.081	36.99	-17.88
		256-QAM	668.0	-3.10	50 / 0	19.32	14.07	0.026	34.77	-20.70	16.22	0.042	36.99
	16-QAM	665.5	-3.10	1 / 12	23.87	18.62	0.073	34.77	-16.15	20.77	0.119	36.99	-16.22
		680.5	-3.10	1 / 0	23.65	18.40	0.069	34.77	-16.37	20.55	0.114	36.99	-16.44
5 MHz	16-QAM	695.5	-3.10	1 / 12	23.90	18.65	0.073	34.77	-16.12	20.80	0.120	36.99	-16.19
		665.5	-3.10	1 / 12	23.54	18.29	0.067	34.77	-16.48	20.44	0.111	36.99	-16.55
	64-QAM	665.5	-3.10	1 / 12	22.40	17.15	0.052	34.77	-17.62	19.30	0.085	36.99	-17.69
5 MHz	256-QAM	665.5	-3.10	25 / 0	19.27	14.02	0.025	34.77	-20.75	16.17	0.041	36.99	-20.82

Table 7-17. ERP/EIRP Data (LTE Band 71)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 221 of 267

NR Band n66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	$\pi/2$ BPSK	1720.0	1.10	1 / 98	22.58	23.68	0.233	30.00	-6.32
		1745.0	1.10	1 / 98	22.41	23.51	0.224	30.00	-6.49
		1770.0	1.10	1 / 98	22.70	23.80	0.240	30.00	-6.20
	QPSK	1720.0	1.10	1 / 50	22.60	23.70	0.234	30.00	-6.30
		1745.0	1.10	1 / 50	22.51	23.61	0.230	30.00	-6.39
		1770.0	1.10	1 / 50	22.57	23.67	0.233	30.00	-6.33
	16-QAM	1720.0	1.10	1 / 98	22.26	23.36	0.217	30.00	-6.64
	64-QAM	1770.0	1.10	1 / 1	20.18	21.28	0.134	30.00	-8.72
	256-QAM	1770.0	1.10	1 / 1	18.25	19.35	0.086	30.00	-10.65
15 MHz	$\pi/2$ BPSK	1717.5	1.10	1 / 73	22.67	23.77	0.238	30.00	-6.23
		1745.0	1.10	1 / 73	22.70	23.80	0.240	30.00	-6.20
		1772.5	1.10	1 / 73	22.64	23.74	0.236	30.00	-6.26
	QPSK	1717.5	1.10	1 / 1	22.42	23.52	0.225	30.00	-6.48
		1745.0	1.10	1 / 1	22.70	23.80	0.240	30.00	-6.20
		1772.5	1.10	1 / 73	22.58	23.68	0.233	30.00	-6.32
	16-QAM	1717.5	1.10	1 / 73	22.10	23.20	0.209	30.00	-6.80
	64-QAM	1772.5	1.10	1 / 73	20.18	21.28	0.134	30.00	-8.72
	256-QAM	1717.5	1.10	1 / 73	18.43	19.53	0.090	30.00	-10.47
10 MHz	$\pi/2$ BPSK	1715.0	1.10	1 / 48	22.56	23.66	0.233	30.00	-6.34
		1745.0	1.10	1 / 48	22.70	23.80	0.240	30.00	-6.20
		1775.0	1.10	1 / 48	22.55	23.65	0.232	30.00	-6.35
	QPSK	1715.0	1.10	1 / 25	22.39	23.49	0.223	30.00	-6.51
		1745.0	1.10	1 / 48	22.67	23.77	0.238	30.00	-6.23
		1775.0	1.10	1 / 1	22.61	23.71	0.235	30.00	-6.29
	16-QAM	1715.0	1.10	1 / 1	22.07	23.17	0.207	30.00	-6.83
	64-QAM	1775.0	1.10	1 / 25	20.59	21.69	0.148	30.00	-8.31
	256-QAM	1745.0	1.10	1 / 48	18.29	19.39	0.087	30.00	-10.61
5 MHz	$\pi/2$ BPSK	1712.5	1.10	1 / 23	22.55	23.65	0.232	30.00	-6.35
		1745.0	1.10	1 / 12	22.52	23.62	0.230	30.00	-6.38
		1777.5	1.10	1 / 23	22.49	23.59	0.229	30.00	-6.41
	QPSK	1712.5	1.10	1 / 1	22.65	23.75	0.237	30.00	-6.25
		1745.0	1.10	1 / 12	22.70	23.80	0.240	30.00	-6.20
		1777.5	1.10	1 / 1	22.50	23.60	0.229	30.00	-6.40
	16-QAM	1777.5	1.10	1 / 12	21.89	22.99	0.199	30.00	-7.01
	64-QAM	1745.0	1.10	1 / 12	20.09	21.19	0.131	30.00	-8.81
	256-QAM	1745.0	1.10	1 / 23	18.18	19.28	0.085	30.00	-10.72

Table 7-18. EIRP Data (NR Band n66 DFTs – OFDM)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 222 of 267

NR Band n12

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
15 MHz	TT/2 BPSK	673.0	-3.20	1 / 1	23.90	20.70	0.117	36.99	-16.29	18.55	0.072	34.77	-16.22
		680.5	-3.20	1 / 1	23.80	20.60	0.115	36.99	-16.39	18.45	0.070	34.77	-16.33
		688.0	-3.20	1 / 1	23.85	20.65	0.116	36.99	-16.34	18.50	0.071	34.77	-16.28
	QPSK	670.5	-3.20	1 / 1	23.63	20.43	0.111	36.99	-16.56	18.28	0.067	34.77	-16.49
		680.5	-3.20	1 / 1	23.89	20.69	0.117	36.99	-16.30	18.54	0.071	34.77	-16.23
		690.5	-3.20	1 / 75	23.86	20.66	0.116	36.99	-16.33	18.51	0.071	34.77	-16.26
	16-QAM	670.5	-3.20	1 / 1	23.27	20.07	0.102	36.99	-16.92	17.92	0.062	34.77	-16.86
	64-QAM	680.5	-3.20	1 / 1	21.59	18.39	0.069	36.99	-18.60	16.24	0.042	34.77	-18.53
	256-QAM	670.5	-3.20	1 / 1	19.67	16.47	0.044	36.99	-20.52	14.32	0.027	34.77	-20.45
10 MHz	TT/2 BPSK	673.0	-3.20	1 / 1	23.88	20.68	0.117	36.99	-16.31	18.53	0.071	34.77	-16.24
		680.5	-3.20	1 / 48	23.84	20.64	0.116	36.99	-16.35	18.49	0.071	34.77	-16.28
		688.0	-3.20	1 / 1	23.83	20.63	0.116	36.99	-16.36	18.48	0.071	34.77	-16.29
	QPSK	668.0	-3.20	1 / 48	23.76	20.56	0.114	36.99	-16.43	18.41	0.069	34.77	-16.36
		680.5	-3.20	1 / 1	23.38	20.18	0.104	36.99	-16.81	18.03	0.063	34.77	-16.74
		693.0	-3.20	1 / 1	23.90	20.70	0.117	36.99	-16.29	18.55	0.072	34.77	-16.22
	16-QAM	693.0	-3.20	1 / 25	23.00	19.80	0.095	36.99	-17.19	17.65	0.058	34.77	-17.13
	64-QAM	668.0	-3.20	1 / 1	21.36	18.16	0.065	36.99	-18.83	16.01	0.040	34.77	-18.76
	256-QAM	668.0	-3.20	1 / 48	19.92	16.72	0.047	36.99	-20.27	14.57	0.029	34.77	-20.20
5 MHz	TT/2 BPSK	673.0	-3.20	1 / 12	23.90	20.70	0.117	36.99	-16.29	18.55	0.072	34.77	-16.22
		680.5	-3.20	1 / 23	23.72	20.52	0.113	36.99	-16.47	18.37	0.069	34.77	-16.40
		688.0	-3.20	1 / 1	23.58	20.38	0.109	36.99	-16.61	18.23	0.067	34.77	-16.54
	QPSK	665.5	-3.20	1 / 12	23.77	20.57	0.114	36.99	-16.42	18.42	0.070	34.77	-16.35
		680.5	-3.20	1 / 23	23.78	20.58	0.114	36.99	-16.41	18.43	0.070	34.77	-16.34
		695.5	-3.20	1 / 1	23.79	20.59	0.115	36.99	-16.40	18.44	0.070	34.77	-16.33
	16-QAM	665.5	-3.20	1 / 1	22.87	19.67	0.093	36.99	-17.32	17.52	0.056	34.77	-17.25
	64-QAM	665.5	-3.20	1 / 1	21.49	18.29	0.068	36.99	-18.70	16.14	0.041	34.77	-18.63
	256-QAM	665.5	-3.20	1 / 1	19.75	16.55	0.045	36.99	-20.44	14.40	0.028	34.77	-20.37

Table 7-19. ERP/EIRP Data (NR Band n12 DFT-s – OFDM)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 223 of 267

NR Band n71

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	
20 MHz	π/2 BPSK	673.0	-3.10	1 / 50	23.73	20.63	0.116	36.99	-16.36	18.48	0.071	34.77	-16.29	
		680.5	-3.10	1 / 50	23.64	20.54	0.113	36.99	-16.45	18.39	0.069	34.77	-16.39	
		688.0	-3.10	1 / 1	23.75	20.65	0.116	36.99	-16.34	18.50	0.071	34.77	-16.27	
	QPSK	673.0	-3.10	1 / 1	23.90	20.80	0.120	36.99	-16.19	18.65	0.073	34.77	-16.12	
		680.5	-3.10	1 / 50	23.77	20.67	0.117	36.99	-16.32	18.52	0.071	34.77	-16.25	
		688.0	-3.10	1 / 50	23.85	20.75	0.119	36.99	-16.24	18.60	0.073	34.77	-16.17	
	16-QAM	673.0	-3.10	1 / 1	23.21	20.11	0.103	36.99	-16.88	17.96	0.063	34.77	-16.81	
	64-QAM	680.5	-3.10	1 / 50	21.64	18.54	0.071	36.99	-18.45	16.39	0.044	34.77	-18.38	
15 MHz	π/2 BPSK	688.0	-3.10	1 / 50	19.91	16.81	0.048	36.99	-20.18	14.66	0.029	34.77	-20.11	
		670.5	-3.10	1 / 1	23.86	20.76	0.119	36.99	-16.23	18.61	0.073	34.77	-16.16	
		680.5	-3.10	1 / 73	23.84	20.74	0.119	36.99	-16.25	18.59	0.072	34.77	-16.18	
	QPSK	690.5	-3.10	1 / 1	23.66	20.56	0.114	36.99	-16.43	18.41	0.069	34.77	-16.36	
		670.5	-3.10	1 / 75	23.90	20.80	0.120	36.99	-16.19	18.65	0.073	34.77	-16.12	
		680.5	-3.10	1 / 1	23.74	20.64	0.116	36.99	-16.35	18.49	0.071	34.77	-16.28	
	690.5	-3.10	1 / 1	23.71	20.61	0.115	36.99	-16.38	18.46	0.070	34.77	-16.31		
	16-QAM	690.5	-3.10	1 / 1	23.13	20.03	0.101	36.99	-16.96	17.88	0.061	34.77	-16.89	
64-QAM	680.5	-3.10	1 / 73	21.48	18.38	0.069	36.99	-18.61	16.23	0.042	34.77	-18.54		
10 MHz	π/2 BPSK	256-QAM	670.5	-3.10	1 / 1	19.80	16.70	0.047	36.99	-20.29	14.55	0.028	34.77	-20.23
		668.0	-3.10	1 / 25	23.90	20.80	0.120	36.99	-16.19	18.65	0.073	34.77	-16.12	
		680.5	-3.10	1 / 48	23.76	20.66	0.116	36.99	-16.33	18.51	0.071	34.77	-16.26	
	QPSK	693.0	-3.10	1 / 25	23.81	20.71	0.118	36.99	-16.28	18.56	0.072	34.77	-16.21	
		668.0	-3.10	1 / 25	23.69	20.59	0.115	36.99	-16.40	18.44	0.070	34.77	-16.33	
		680.5	-3.10	1 / 25	23.66	20.56	0.114	36.99	-16.43	18.41	0.069	34.77	-16.36	
	16-QAM	693.0	-3.10	1 / 25	23.69	20.59	0.115	36.99	-16.40	18.44	0.070	34.77	-16.33	
		668.0	-3.10	1 / 1	23.27	20.17	0.104	36.99	-16.81	18.02	0.063	34.77	-16.75	
5 MHz	π/2 BPSK	64-QAM	680.5	-3.10	1 / 25	21.49	18.39	0.069	36.99	-18.59	16.24	0.042	34.77	-18.53
		256-QAM	668.0	-3.10	1 / 25	19.57	16.47	0.044	36.99	-20.52	14.32	0.027	34.77	-20.45
		665.5	-3.10	1 / 12	23.90	20.80	0.120	36.99	-16.19	18.65	0.073	34.77	-16.12	
	QPSK	680.5	-3.10	1 / 1	23.80	20.70	0.118	36.99	-16.29	18.55	0.072	34.77	-16.22	
		695.5	-3.10	1 / 23	23.55	20.45	0.111	36.99	-16.54	18.30	0.068	34.77	-16.47	
		665.5	-3.10	1 / 12	23.81	20.71	0.118	36.99	-16.28	18.56	0.072	34.77	-16.21	
	16-QAM	680.5	-3.10	1 / 1	23.88	20.78	0.120	36.99	-16.21	18.63	0.073	34.77	-16.14	
		695.5	-3.10	1 / 12	23.76	20.66	0.117	36.99	-16.33	18.51	0.071	34.77	-16.26	
64-QAM	680.5	-3.10	1 / 12	23.32	20.22	0.105	36.99	-16.77	18.07	0.064	34.77	-16.70		
256-QAM	665.5	-3.10	1 / 12	21.43	18.33	0.068	36.99	-18.66	16.18	0.041	34.77	-18.59		
		665.5	-3.10	1 / 12	20.05	16.95	0.050	36.99	-20.04	14.80	0.030	34.77	-19.97	

Table 7-20. ERP/EIRP Data (NR Band n71 DFT-s – OFDM)

WCDMA AWS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	22.62	1.10	23.72	0.236	30.00	-6.28
1732.60	WCDMA1700	22.60	1.10	23.70	0.234	30.00	-6.30
1752.60	WCDMA1700	22.59	1.10	23.69	0.234	30.00	-6.31

Table 7-21. EIRP Data (WCDMA AWS)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 224 of 267

7.6.3 Antenna 4b – EIRP

LTE Band 4

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	QPSK	1720.0	-5.20	1 / 50	25.04	19.84	0.096	30.00	-10.16
		1732.5	-5.20	1 / 0	25.20	20.00	0.100	30.00	-10.00
		1745.0	-5.20	1 / 50	25.20	20.00	0.100	30.00	-10.00
	16-QAM	1732.5	-5.20	1 / 0	24.86	19.66	0.092	30.00	-10.34
	64-QAM	1732.5	-5.20	1 / 0	24.24	19.04	0.080	30.00	-10.96
	256-QAM	1732.5	-5.20	1 / 99	21.15	15.95	0.039	30.00	-14.05
15 MHz	QPSK	1717.5	-5.20	1 / 37	25.20	20.00	0.100	30.00	-10.00
		1732.5	-5.20	1 / 0	25.11	19.91	0.098	30.00	-10.09
		1747.5	-5.20	1 / 37	25.10	19.90	0.098	30.00	-10.10
	16-QAM	1732.5	-5.20	1 / 0	24.62	19.42	0.087	30.00	-10.58
	64-QAM	1717.5	-5.20	1 / 74	23.77	18.57	0.072	30.00	-11.43
	256-QAM	1717.5	-5.20	1 / 37	21.21	16.01	0.040	30.00	-13.99
10 MHz	QPSK	1715.0	-5.20	1 / 49	25.02	19.82	0.096	30.00	-10.18
		1732.5	-5.20	1 / 49	25.20	20.00	0.100	30.00	-10.00
		1750.0	-5.20	1 / 49	25.18	19.98	0.100	30.00	-10.02
	16-QAM	1732.5	-5.20	1 / 49	24.68	19.48	0.089	30.00	-10.52
	64-QAM	1750.0	-5.20	1 / 0	23.54	18.34	0.068	30.00	-11.66
	256-QAM	1732.5	-5.20	1 / 49	20.91	15.71	0.037	30.00	-14.29
5 MHz	QPSK	1712.5	-5.20	1 / 24	25.10	19.90	0.098	30.00	-10.10
		1732.5	-5.20	1 / 24	25.20	20.00	0.100	30.00	-10.00
		1752.5	-5.20	1 / 24	25.07	19.87	0.097	30.00	-10.13
	16-QAM	1732.5	-5.20	1 / 24	24.85	19.65	0.092	30.00	-10.35
	64-QAM	1752.5	-5.20	1 / 0	23.41	18.21	0.066	30.00	-11.79
	256-QAM	1712.5	-5.20	1 / 24	21.08	15.88	0.039	30.00	-14.12
3 MHz	QPSK	1711.5	-5.20	1 / 0	25.14	19.94	0.099	30.00	-10.06
		1732.5	-5.20	1 / 14	25.20	20.00	0.100	30.00	-10.00
		1753.5	-5.20	1 / 14	25.19	19.99	0.100	30.00	-10.01
	16-QAM	1732.5	-5.20	1 / 14	24.71	19.51	0.089	30.00	-10.49
	64-QAM	1753.5	-5.20	1 / 0	23.54	18.34	0.068	30.00	-11.66
	256-QAM	1732.5	-5.20	1 / 14	20.95	15.75	0.038	30.00	-14.25
1.4 MHz	QPSK	1710.7	-5.20	1 / 0	24.96	19.76	0.095	30.00	-10.24
		1732.5	-5.20	1 / 0	25.05	19.85	0.097	30.00	-10.15
		1754.3	-5.20	1 / 0	25.20	20.00	0.100	30.00	-10.00
	16-QAM	1732.5	-5.20	1 / 0	24.58	19.38	0.087	30.00	-10.62
	64-QAM	1754.3	-5.20	1 / 0	23.46	18.26	0.067	30.00	-11.74
	256-QAM	1710.7	-5.20	1 / 0	21.28	16.08	0.041	30.00	-13.92

Table 7-22. EIRP Data (LTE Band 4)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 225 of 267

LTE Band 66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	QPSK	1720.0	-5.20	1 / 0	25.16	19.96	0.099	30.00	-10.04
		1745.0	-5.20	1 / 50	25.19	19.99	0.100	30.00	-10.01
		1770.0	-5.20	1 / 0	25.20	20.00	0.100	30.00	-10.00
	16-QAM	1770.0	-5.20	1 / 50	24.88	19.68	0.093	30.00	-10.32
	64-QAM	1745.0	-5.20	1 / 0	24.14	18.94	0.078	30.00	-11.06
	256-QAM	1745.0	-5.20	1 / 50	21.18	15.98	0.040	30.00	-14.02
15 MHz	QPSK	1717.5	-5.20	1 / 0	25.20	20.00	0.100	30.00	-10.00
		1745.0	-5.20	1 / 0	25.19	19.99	0.100	30.00	-10.01
		1772.5	-5.20	1 / 0	25.15	19.95	0.099	30.00	-10.05
	16-QAM	1745.0	-5.20	1 / 0	24.66	19.46	0.088	30.00	-10.54
	64-QAM	1717.5	-5.20	1 / 0	23.84	18.64	0.073	30.00	-11.36
	256-QAM	1717.5	-5.20	1 / 0	21.28	16.08	0.041	30.00	-13.92
10 MHz	QPSK	1715.0	-5.20	1 / 49	25.20	20.00	0.100	30.00	-10.00
		1745.0	-5.20	1 / 25	25.18	19.98	0.100	30.00	-10.02
		1775.0	-5.20	1 / 25	25.20	20.00	0.100	30.00	-10.00
	16-QAM	1745.0	-5.20	1 / 0	24.64	19.44	0.088	30.00	-10.56
	64-QAM	1715.0	-5.20	1 / 0	23.61	18.41	0.069	30.00	-11.59
	256-QAM	1715.0	-5.20	1 / 49	21.10	15.90	0.039	30.00	-14.10
5 MHz	QPSK	1712.5	-5.20	1 / 0	25.03	19.83	0.096	30.00	-10.17
		1745.0	-5.20	1 / 0	25.20	20.00	0.100	30.00	-10.00
		1777.5	-5.20	1 / 0	25.00	19.80	0.095	30.00	-10.20
	16-QAM	1745.0	-5.20	1 / 0	24.80	19.60	0.091	30.00	-10.40
	64-QAM	1712.5	-5.20	1 / 0	23.47	18.27	0.067	30.00	-11.73
	256-QAM	1712.5	-5.20	1 / 12	21.08	15.88	0.039	30.00	-14.12
3 MHz	QPSK	1711.5	-5.20	1 / 0	25.08	19.88	0.097	30.00	-10.12
		1745.0	-5.20	1 / 14	25.20	20.00	0.100	30.00	-10.00
		1778.5	-5.20	1 / 7	25.17	19.97	0.099	30.00	-10.03
	16-QAM	1745.0	-5.20	1 / 0	24.65	19.45	0.088	30.00	-10.55
	64-QAM	1778.5	-5.20	1 / 0	23.53	18.33	0.068	30.00	-11.67
	256-QAM	1778.5	-5.20	15 / 0	20.97	15.77	0.038	30.00	-14.23
1.4 MHz	QPSK	1710.7	-5.20	1 / 3	25.18	19.98	0.100	30.00	-10.02
		1745.0	-5.20	1 / 0	25.02	19.82	0.096	30.00	-10.18
		1779.3	-5.20	1 / 0	25.20	20.00	0.100	30.00	-10.00
	16-QAM	1745.0	-5.20	1 / 0	24.54	19.34	0.086	30.00	-10.66
	64-QAM	1710.7	-5.20	1 / 3	23.52	18.32	0.068	30.00	-11.68
	256-QAM	1779.3	-5.20	1 / 0	21.27	16.07	0.040	30.00	-13.93

Table 7-23. EIRP Data (LTE Band 66)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 226 of 267

NR Band n66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	π/2 BPSK	1720.0	-5.20	1 / 50	24.76	19.56	0.090	30.00	-10.44
		1745.0	-5.20	1 / 98	24.73	19.53	0.090	30.00	-10.47
		1770.0	-5.20	1 / 98	25.20	20.00	0.100	30.00	-10.00
	QPSK	1720.0	-5.20	1 / 98	25.14	19.94	0.099	30.00	-10.06
		1745.0	-5.20	1 / 1	24.85	19.65	0.092	30.00	-10.35
		1770.0	-5.20	1 / 50	24.77	19.57	0.091	30.00	-10.43
	16-QAM	1745.0	-5.20	1 / 1	24.17	18.97	0.079	30.00	-11.03
	64-QAM	1770.0	-5.20	1 / 98	22.55	17.35	0.054	30.00	-12.65
	256-QAM	1720.0	-5.20	1 / 98	20.62	15.42	0.035	30.00	-14.58
15 MHz	π/2 BPSK	1717.5	-5.20	1 / 73	24.94	19.74	0.094	30.00	-10.26
		1745.0	-5.20	1 / 75	25.00	19.80	0.095	30.00	-10.20
		1772.5	-5.20	1 / 1	24.87	19.67	0.093	30.00	-10.33
	QPSK	1717.5	-5.20	1 / 73	24.95	19.75	0.094	30.00	-10.25
		1745.0	-5.20	1 / 73	25.20	20.00	0.100	30.00	-10.00
		1772.5	-5.20	1 / 1	24.91	19.71	0.094	30.00	-10.29
	16-QAM	1717.5	-5.20	1 / 1	24.27	19.07	0.081	30.00	-10.93
	64-QAM	1717.5	-5.20	1 / 75	22.57	17.37	0.055	30.00	-12.63
	256-QAM	1717.5	-5.20	1 / 1	20.80	15.60	0.036	30.00	-14.40
10 MHz	π/2 BPSK	1715.0	-5.20	1 / 25	24.93	19.73	0.094	30.00	-10.27
		1745.0	-5.20	1 / 25	24.95	19.75	0.094	30.00	-10.25
		1775.0	-5.20	1 / 1	24.71	19.51	0.089	30.00	-10.49
	QPSK	1715.0	-5.20	1 / 48	24.93	19.73	0.094	30.00	-10.27
		1745.0	-5.20	1 / 25	24.94	19.74	0.094	30.00	-10.26
		1775.0	-5.20	1 / 48	24.85	19.65	0.092	30.00	-10.35
	16-QAM	1715.0	-5.20	1 / 1	23.84	18.64	0.073	30.00	-11.36
	64-QAM	1715.0	-5.20	1 / 25	22.58	17.38	0.055	30.00	-12.62
	256-QAM	1775.0	-5.20	1 / 25	20.69	15.49	0.035	30.00	-14.51
5 MHz	π/2 BPSK	1712.5	-5.20	1 / 1	24.75	19.55	0.090	30.00	-10.45
		1745.0	-5.20	1 / 1	24.61	19.41	0.087	30.00	-10.59
		1777.5	-5.20	1 / 23	24.78	19.58	0.091	30.00	-10.42
	QPSK	1712.5	-5.20	1 / 23	24.66	19.46	0.088	30.00	-10.54
		1745.0	-5.20	1 / 23	24.95	19.75	0.094	30.00	-10.25
		1777.5	-5.20	1 / 12	24.87	19.67	0.093	30.00	-10.33
	16-QAM	1745.0	-5.20	1 / 1	23.90	18.70	0.074	30.00	-11.30
	64-QAM	1777.5	-5.20	1 / 23	22.44	17.24	0.053	30.00	-12.76
	256-QAM	1777.5	-5.20	1 / 12	20.43	15.23	0.033	30.00	-14.77

Table 7-24. EIRP Data (NR Band n66 DFTs – OFDM)

WCDMA AWS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	25.17	-5.20	19.97	0.099	30.00	-10.03
1732.60	WCDMA1700	25.20	-5.20	20.00	0.100	30.00	-10.00
1752.60	WCDMA1700	25.16	-5.20	19.96	0.099	30.00	-10.04

Table 7-25. EIRP Data (WCDMA AWS)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT					Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device				Page 227 of 267

7.6.4 Antenna 2b – EIRP

LTE Band 4

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	QPSK	1720.0	-1.80	1 / 50	23.16	21.36	0.137	30.00	-8.64
		1732.5	-1.80	1 / 50	22.94	21.14	0.130	30.00	-8.86
		1745.0	-1.80	1 / 0	23.20	21.40	0.138	30.00	-8.60
	16-QAM	1745.0	-1.80	1 / 99	22.44	20.64	0.116	30.00	-9.36
	64-QAM	1732.5	-1.80	1 / 50	21.95	20.15	0.104	30.00	-9.85
	256-QAM	1745.0	-1.80	1 / 99	19.31	17.51	0.056	30.00	-12.49
15 MHz	QPSK	1717.5	-1.80	1 / 37	23.20	21.40	0.138	30.00	-8.60
		1732.5	-1.80	1 / 37	23.13	21.33	0.136	30.00	-8.67
		1747.5	-1.80	1 / 37	23.12	21.32	0.136	30.00	-8.68
	16-QAM	1732.5	-1.80	1 / 0	22.61	20.81	0.121	30.00	-9.19
	64-QAM	1717.5	-1.80	1 / 0	21.85	20.05	0.101	30.00	-9.95
	256-QAM	1717.5	-1.80	75 / 0	19.07	17.27	0.053	30.00	-12.73
10 MHz	QPSK	1715.0	-1.80	1 / 49	23.07	21.27	0.134	30.00	-8.73
		1732.5	-1.80	1 / 49	23.15	21.35	0.136	30.00	-8.65
		1750.0	-1.80	1 / 25	23.20	21.40	0.138	30.00	-8.60
	16-QAM	1732.5	-1.80	1 / 49	22.73	20.93	0.124	30.00	-9.07
	64-QAM	1715.0	-1.80	1 / 0	21.43	19.63	0.092	30.00	-10.37
	256-QAM	1715.0	-1.80	50 / 0	19.05	17.25	0.053	30.00	-12.75
5 MHz	QPSK	1712.5	-1.80	1 / 24	23.09	21.29	0.135	30.00	-8.71
		1732.5	-1.80	1 / 24	23.20	21.40	0.138	30.00	-8.60
		1752.5	-1.80	1 / 24	23.09	21.29	0.135	30.00	-8.71
	16-QAM	1732.5	-1.80	1 / 0	22.78	20.98	0.125	30.00	-9.02
	64-QAM	1712.5	-1.80	1 / 24	21.22	19.42	0.087	30.00	-10.58
	256-QAM	1752.5	-1.80	25 / 0	19.11	17.31	0.054	30.00	-12.69
3 MHz	QPSK	1711.5	-1.80	1 / 0	23.10	21.30	0.135	30.00	-8.70
		1732.5	-1.80	1 / 14	23.20	21.40	0.138	30.00	-8.60
		1753.5	-1.80	1 / 14	23.20	21.40	0.138	30.00	-8.60
	16-QAM	1732.5	-1.80	1 / 14	22.72	20.92	0.124	30.00	-9.08
	64-QAM	1753.5	-1.80	1 / 14	21.50	19.70	0.093	30.00	-10.30
	256-QAM	1753.5	-1.80	15 / 0	19.12	17.32	0.054	30.00	-12.68
1.4 MHz	QPSK	1710.7	-1.80	1 / 0	22.90	21.10	0.129	30.00	-8.90
		1732.5	-1.80	1 / 0	22.99	21.19	0.132	30.00	-8.81
		1754.3	-1.80	1 / 0	23.20	21.40	0.138	30.00	-8.60
	16-QAM	1732.5	-1.80	1 / 0	22.49	20.69	0.117	30.00	-9.31
	64-QAM	1754.3	-1.80	1 / 0	21.45	19.65	0.092	30.00	-10.35
	256-QAM	1710.7	-1.80	6 / 0	19.17	17.37	0.055	30.00	-12.63

Table 7-26. EIRP Data (LTE Band 4)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 228 of 267

LTE Band 66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	QPSK	1720.0	-1.80	1 / 0	23.14	21.34	0.136	30.00	-8.66
		1745.0	-1.80	1 / 0	23.02	21.22	0.132	30.00	-8.78
		1770.0	-1.80	1 / 0	23.20	21.40	0.138	30.00	-8.60
	16-QAM	1770.0	-1.80	1 / 50	22.88	21.08	0.128	30.00	-8.92
	64-QAM	1745.0	-1.80	1 / 0	21.97	20.17	0.104	30.00	-9.83
	256-QAM	1720.0	-1.80	100 / 0	19.15	17.35	0.054	30.00	-12.65
15 MHz	QPSK	1717.5	-1.80	1 / 0	23.20	21.40	0.138	30.00	-8.60
		1745.0	-1.80	1 / 0	23.16	21.36	0.137	30.00	-8.64
		1772.5	-1.80	1 / 0	23.11	21.31	0.135	30.00	-8.69
	16-QAM	1745.0	-1.80	1 / 0	22.66	20.86	0.122	30.00	-9.14
	64-QAM	1717.5	-1.80	1 / 0	21.86	20.06	0.101	30.00	-9.94
	256-QAM	1717.5	-1.80	75 / 0	19.14	17.34	0.054	30.00	-12.66
10 MHz	QPSK	1715.0	-1.80	1 / 25	22.99	21.19	0.132	30.00	-8.81
		1745.0	-1.80	1 / 25	23.15	21.35	0.136	30.00	-8.65
		1775.0	-1.80	1 / 25	23.20	21.40	0.138	30.00	-8.60
	16-QAM	1745.0	-1.80	1 / 49	22.68	20.88	0.122	30.00	-9.12
	64-QAM	1775.0	-1.80	1 / 0	21.61	19.81	0.096	30.00	-10.19
	256-QAM	1715.0	-1.80	50 / 0	19.14	17.34	0.054	30.00	-12.66
5 MHz	QPSK	1712.5	-1.80	1 / 0	23.01	21.21	0.132	30.00	-8.79
		1745.0	-1.80	1 / 0	23.20	21.40	0.138	30.00	-8.60
		1777.5	-1.80	25 / 0	22.94	21.14	0.130	30.00	-8.86
	16-QAM	1745.0	-1.80	1 / 0	22.75	20.95	0.124	30.00	-9.05
	64-QAM	1712.5	-1.80	1 / 24	21.48	19.68	0.093	30.00	-10.32
	256-QAM	1745.0	-1.80	25 / 0	19.13	17.33	0.054	30.00	-12.67
3 MHz	QPSK	1711.5	-1.80	1 / 0	23.13	21.33	0.136	30.00	-8.67
		1745.0	-1.80	1 / 14	23.20	21.40	0.138	30.00	-8.60
		1778.5	-1.80	1 / 0	23.13	21.33	0.136	30.00	-8.67
	16-QAM	1745.0	-1.80	1 / 14	22.77	20.97	0.125	30.00	-9.03
	64-QAM	1778.5	-1.80	1 / 0	21.45	19.65	0.092	30.00	-10.35
	256-QAM	1711.5	-1.80	15 / 0	19.11	17.31	0.054	30.00	-12.69
1.4 MHz	QPSK	1710.7	-1.80	1 / 0	22.95	21.15	0.130	30.00	-8.85
		1745.0	-1.80	1 / 0	23.16	21.36	0.137	30.00	-8.64
		1779.3	-1.80	1 / 0	23.20	21.40	0.138	30.00	-8.60
	16-QAM	1745.0	-1.80	1 / 0	22.61	20.81	0.121	30.00	-9.19
	64-QAM	1779.3	-1.80	1 / 0	21.39	19.59	0.091	30.00	-10.41
	256-QAM	1710.7	-1.80	6 / 0	19.06	17.26	0.053	30.00	-12.74

Table 7-27. EIRP Data (LTE Band 66)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 229 of 267

NR Band n66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	$\pi/2$ BPSK	1720.0	-1.80	1 / 50	23.20	21.40	0.138	30.00	-8.60
		1745.0	-1.80	1 / 50	23.14	21.34	0.136	30.00	-8.66
		1770.0	-1.80	1 / 1	23.11	21.31	0.135	30.00	-8.69
	QPSK	1720.0	-1.80	1 / 98	23.18	21.38	0.137	30.00	-8.62
		1745.0	-1.80	1 / 1	23.10	21.30	0.135	30.00	-8.70
		1770.0	-1.80	1 / 50	23.10	21.30	0.135	30.00	-8.70
	16-QAM	1770.0	-1.80	1 / 98	22.39	20.59	0.115	30.00	-9.41
15 MHz	$\pi/2$ BPSK	1717.5	-1.80	1 / 1	23.20	21.40	0.138	30.00	-8.60
		1745.0	-1.80	1 / 75	23.14	21.34	0.136	30.00	-8.66
		1772.5	-1.80	1 / 73	23.18	21.38	0.137	30.00	-8.62
	QPSK	1717.5	-1.80	1 / 75	22.96	21.16	0.131	30.00	-8.84
		1745.0	-1.80	1 / 75	23.03	21.23	0.133	30.00	-8.77
		1772.5	-1.80	1 / 1	23.18	21.38	0.137	30.00	-8.62
	16-QAM	1717.5	-1.80	1 / 73	22.40	20.60	0.115	30.00	-9.40
10 MHz	$\pi/2$ BPSK	1715.0	-1.80	1 / 48	23.13	21.33	0.136	30.00	-8.67
		1745.0	-1.80	1 / 48	23.16	21.36	0.137	30.00	-8.64
		1775.0	-1.80	1 / 25	22.92	21.12	0.129	30.00	-8.88
	QPSK	1715.0	-1.80	1 / 1	23.15	21.35	0.136	30.00	-8.65
		1745.0	-1.80	1 / 25	23.20	21.40	0.138	30.00	-8.60
		1775.0	-1.80	1 / 25	23.12	21.32	0.135	30.00	-8.68
	16-QAM	1775.0	-1.80	1 / 48	22.25	20.45	0.111	30.00	-9.55
5 MHz	$\pi/2$ BPSK	1712.5	-1.80	1 / 23	23.20	21.40	0.138	30.00	-8.60
		1745.0	-1.80	1 / 23	23.01	21.21	0.132	30.00	-8.79
		1777.5	-1.80	1 / 1	23.20	21.40	0.138	30.00	-8.60
	QPSK	1712.5	-1.80	1 / 12	23.19	21.39	0.138	30.00	-8.61
		1745.0	-1.80	1 / 1	23.19	21.39	0.138	30.00	-8.61
		1777.5	-1.80	1 / 12	23.02	21.22	0.133	30.00	-8.78
	16-QAM	1777.5	-1.80	1 / 23	22.33	20.53	0.113	30.00	-9.47
	64-QAM	1745.0	-1.80	25 / 0	20.79	18.99	0.079	30.00	-11.01
	256-QAM	1777.5	-1.80	1 / 23	19.25	17.45	0.056	30.00	-12.55

Table 7-28. EIRP Data (NR Band n66 DFTs – OFDM)

WCDMA AWS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	23.20	-1.80	21.40	0.138	30.00	-8.60
1732.60	WCDMA1700	23.19	-1.80	21.39	0.138	30.00	-8.61
1752.60	WCDMA1700	23.20	-1.80	21.40	0.138	30.00	-8.60

Table 7-29. EIRP Data (WCDMA AWS)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT					Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device				Page 230 of 267

7.7 Radiated Spurious Emissions

§2.1053, §27.53(f)

Test Overview

Radiated spurious emissions measurements are performed using the field strength conversion method described in KDB 971168 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using horizontally and vertically polarized tuned dipole antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as peak measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.8

ANSI C63.26 2015, TIA-603-E-2016 – Section 2.2.12

Test Settings

1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
2. VBW $\geq 3 \times$ RBW
3. Span = 1.5 times the OBW
4. No. of sweep points $\geq 2 \times$ span / RBW
5. Detector = RMS
6. Trace mode = Average (Max Hold for pulsed emissions)
7. The trace was allowed to stabilize

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 231 of 267

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

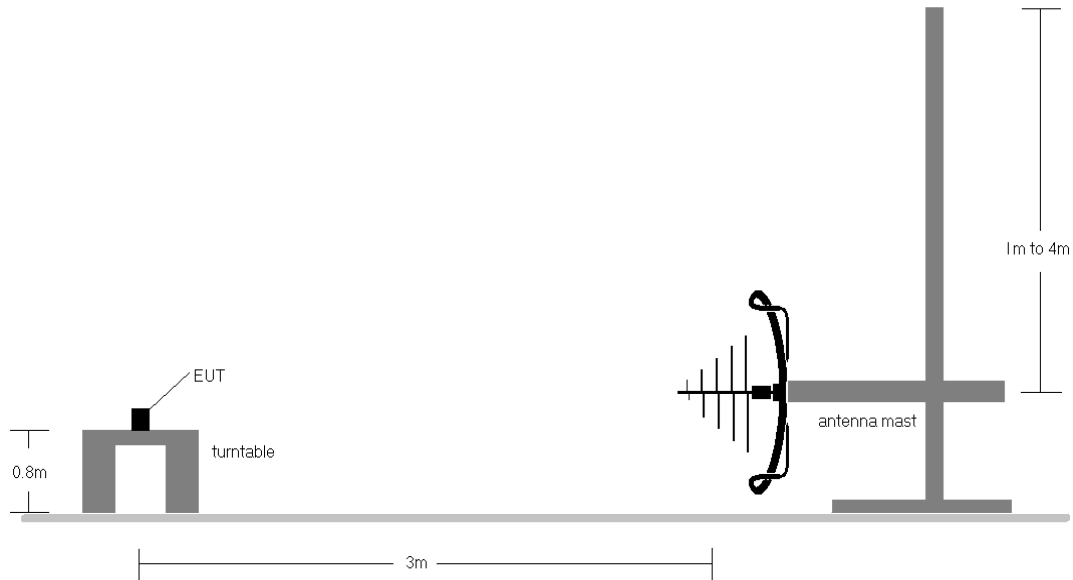


Figure 7-6. Test Instrument & Measurement Setup < 1GHz

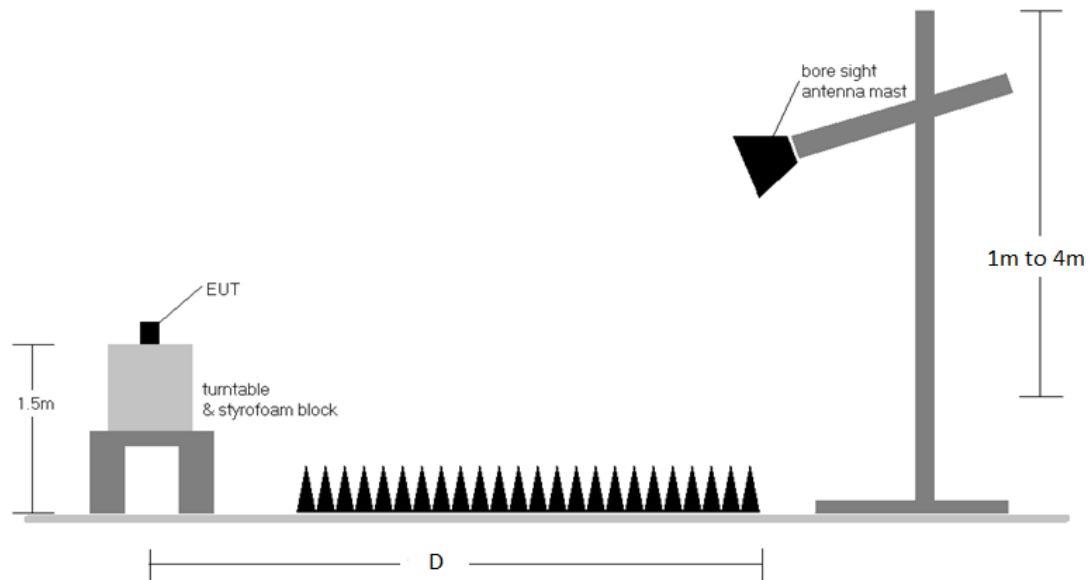


Figure 7-7. Test Instrument & Measurement Setup > 1GHz

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 232 of 267

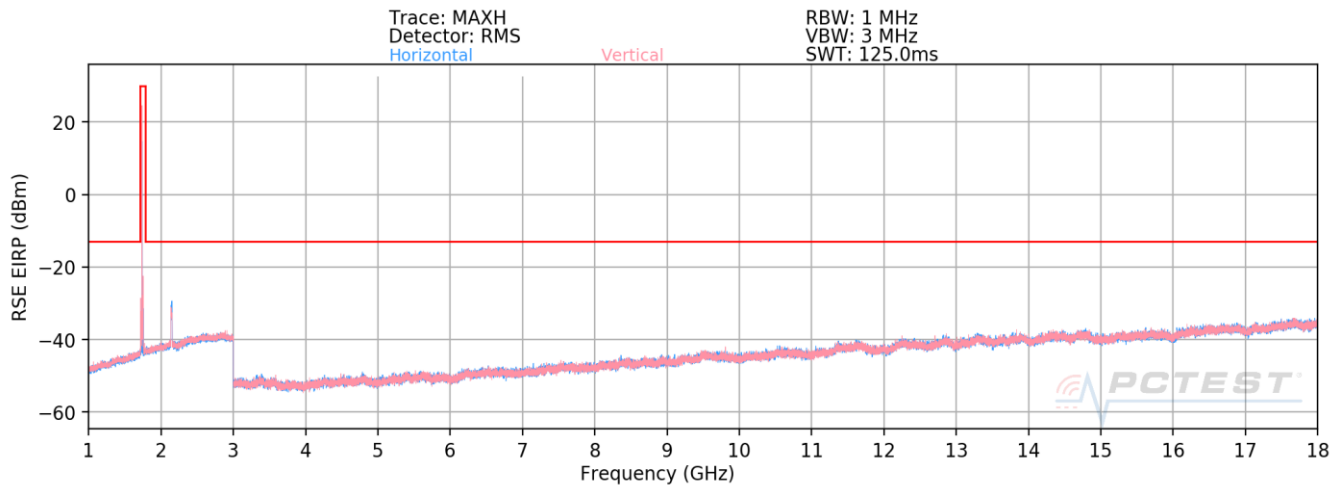
Test Notes

- 1) Field strengths are calculated using the Measurement quantity conversions in KDB 971168 Section 5.8.4.
 - b) $E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - d) $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V/m}) + 20\log D - 104.8$; where D is the measurement distance in meters.
- 2) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- 3) This unit was tested with its standard battery.
- 4) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case setup is reported in the tables below.
- 5) The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
- 6) D is the measurement test distance and emissions 1-18GHz were measured at a 3 meters test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
- 7) The "-" shown in the following RSE tables are used to denote a noise floor measurement.
- 8) For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.
- 9) Spurious emission in EN-DC Operating mode with Sub 6GHz NR carrier as well as an LTE carrier (anchor) has been included in this section. Spurious emissions from the NR and LTE carriers are subject to their own respective limits.

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 233 of 267

7.7.1 Antenna 3 – Radiated Spurious Emission Measurement

LTE Band 66/4



Plot 7-366. Radiated Spurious Emission 1GHz – 18GHz (LTE Band 66/4)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 234 of 267

Bandwidth (MHz):	20
Frequency (MHz):	1720.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3440.0	-	-	-	-78.04	4.88	33.84	-61.42	-13.00	-48.42
5160.0	-	-	-	-79.31	6.66	34.35	-60.91	-13.00	-47.91
6880.0	-	-	-	-80.23	9.44	36.21	-59.05	-13.00	-46.05

Table 7-30. Radiated Spurious Data (LTE Band 66/4 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	1745.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	-	-	-	-77.36	4.36	34.00	-61.26	-13.00	-48.26
5235.0	-	-	-	-78.58	6.55	34.97	-60.28	-13.00	-47.28
6980.0	-	-	-	-79.71	9.94	37.23	-58.03	-13.00	-45.03

Table 7-31. Radiated Spurious Data (LTE Band 66/4 – Mid Channel)

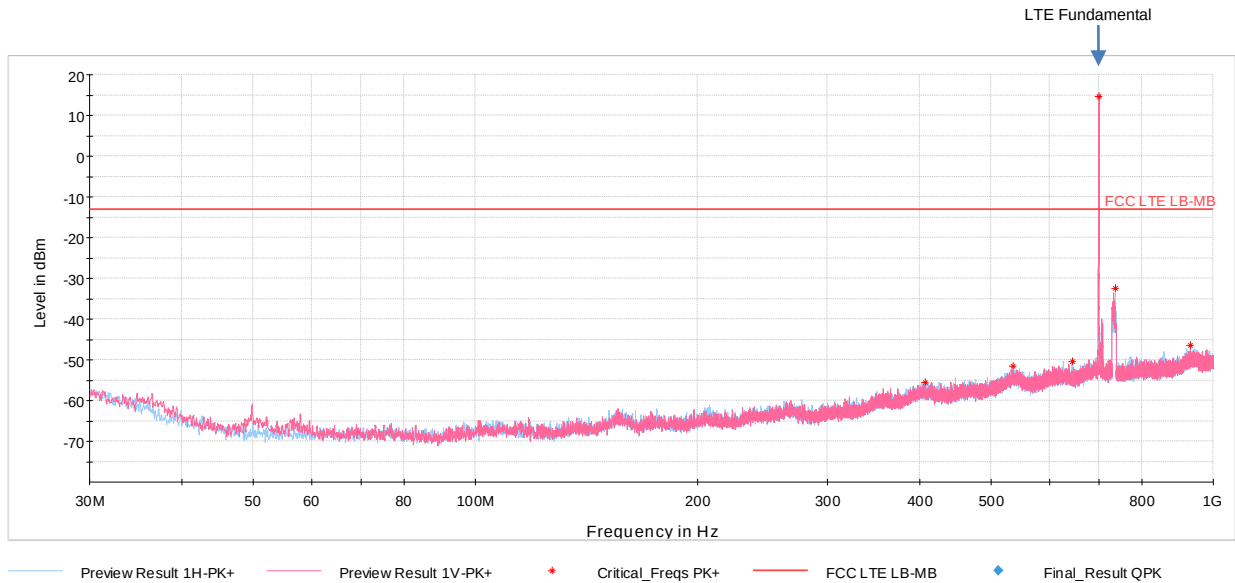
Bandwidth (MHz):	20
Frequency (MHz):	1770.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3540.00	-	-	-	-77.71	5.13	34.42	-60.83	-13.00	-47.83
5310.00	-	-	-	-79.22	7.69	35.47	-59.79	-13.00	-46.79
7080.00	-	-	-	-80.91	10.84	36.93	-58.33	-13.00	-45.33

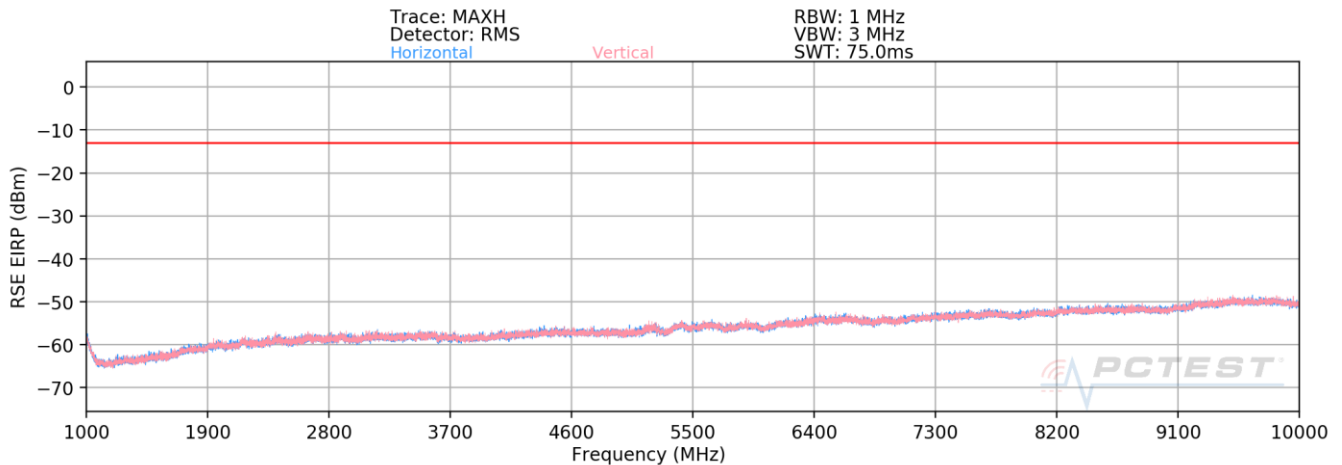
Table 7-32. Radiated Spurious Data (LTE Band 66/4 – High Channel)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 235 of 267

LTE Band 12/17



Plot 7-367. Radiated Spurious Emission below 1GHz (LTE Band 12/17)



Plot 7-368. Radiated Spurious Emission above 1GHz (LTE Band 12/17)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 236 of 267

Bandwidth (MHz):	10								
Frequency (MHz):	704.0								
RB / Offset:	1 / 25								
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1408.0	V	134	317	-75.12	-1.99	29.89	-65.37	-13.00	-52.37
2112.0	-	-	-	-78.90	1.73	29.83	-65.43	-13.00	-52.43
2816.0	-	-	-	-78.89	3.39	31.50	-63.76	-13.00	-50.76
3520.0	-	-	-	-79.75	4.33	31.58	-63.68	-13.00	-50.68

Table 7-33. Radiated Spurious Data (LTE Band 12/17 – Low Channel)

Bandwidth (MHz):	10								
Frequency (MHz):	707.5								
RB / Offset:	1 / 25								
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1415.0	V	260	192	-78.49	-1.95	26.56	-68.70	-13.00	-55.70
2122.5	-	-	-	-78.80	2.04	30.24	-65.01	-13.00	-52.01
2830.0	-	-	-	-78.55	3.31	31.76	-63.49	-13.00	-50.49
3537.5	-	-	-	-78.92	4.44	32.52	-62.73	-13.00	-49.73

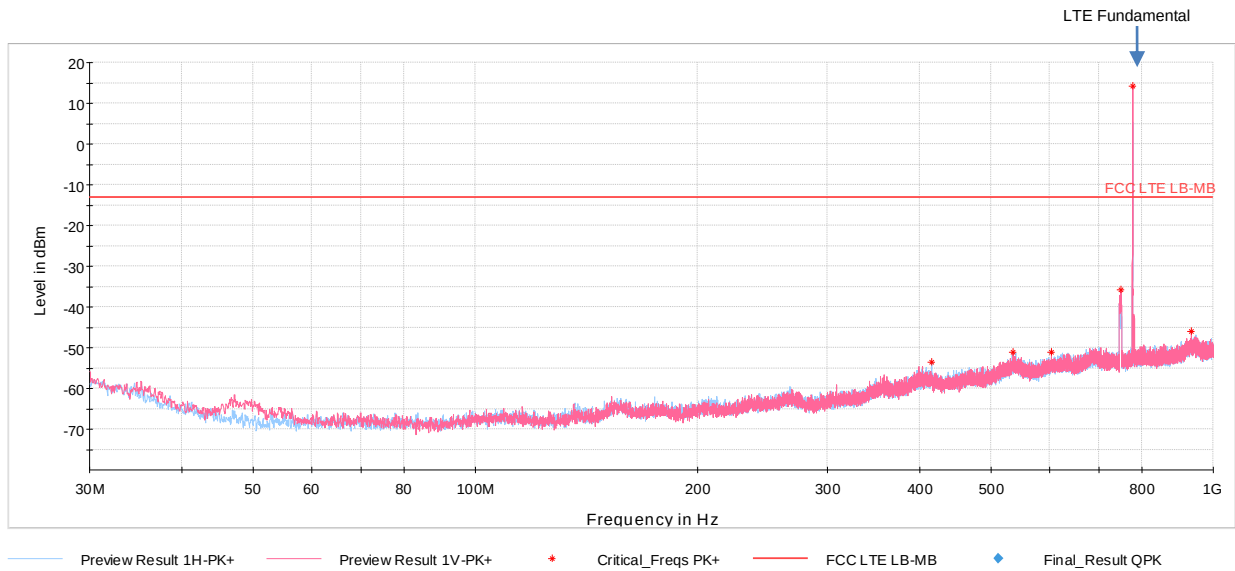
Table 7-34. Radiated Spurious Data (LTE Band 12/17 – Mid Channel)

Bandwidth (MHz):	10								
Frequency (MHz):	711.0								
RB / Offset:	1 / 25								
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1422.0	V	134	317	-77.60	-1.97	27.43	-67.83	-13.00	-54.83
2133.0	-	-	-	-78.73	2.16	30.43	-64.83	-13.00	-51.83
2844.0	-	-	-	-79.46	3.64	31.18	-64.07	-13.00	-51.07
3555.0	-	-	-	-79.26	4.29	32.03	-63.23	-13.00	-50.23

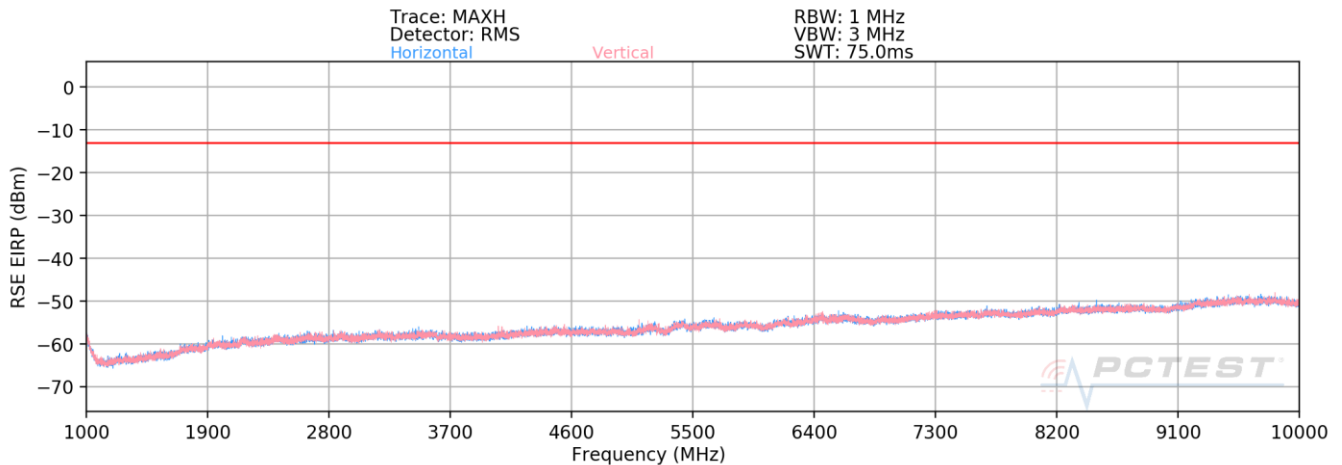
Table 7-35. Radiated Spurious Data (LTE Band 12/17 – High Channel)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 237 of 267

LTE Band 13



Plot 7-369. Radiated Spurious Emission below 1GHz (LTE Band 13)



Plot 7-370. Radiated Spurious Emission above 1GHz (LTE Band 13)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 238 of 267

Bandwidth (MHz):	5
Frequency (MHz):	779.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1559.0	-	-	-	-77.95	-1.00	28.05	-67.21	-40.00	-27.21
2338.5	-	-	-	-78.41	2.58	31.17	-64.09	-13.00	-51.09
3118.0	-	-	-	-79.86	3.92	31.06	-64.20	-13.00	-51.20

Table 7-36. Radiated Spurious Data (LTE Band 13 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	782.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1564.0	-	-	-	-77.62	-1.07	28.31	-66.95	-40.00	-26.95
2346.0	-	-	-	-77.92	2.64	31.72	-63.53	-13.00	-50.53
3128.0	-	-	-	-78.56	3.93	32.37	-62.88	-13.00	-49.88

Table 7-37. Radiated Spurious Data (LTE Band 13 – Mid Channel)

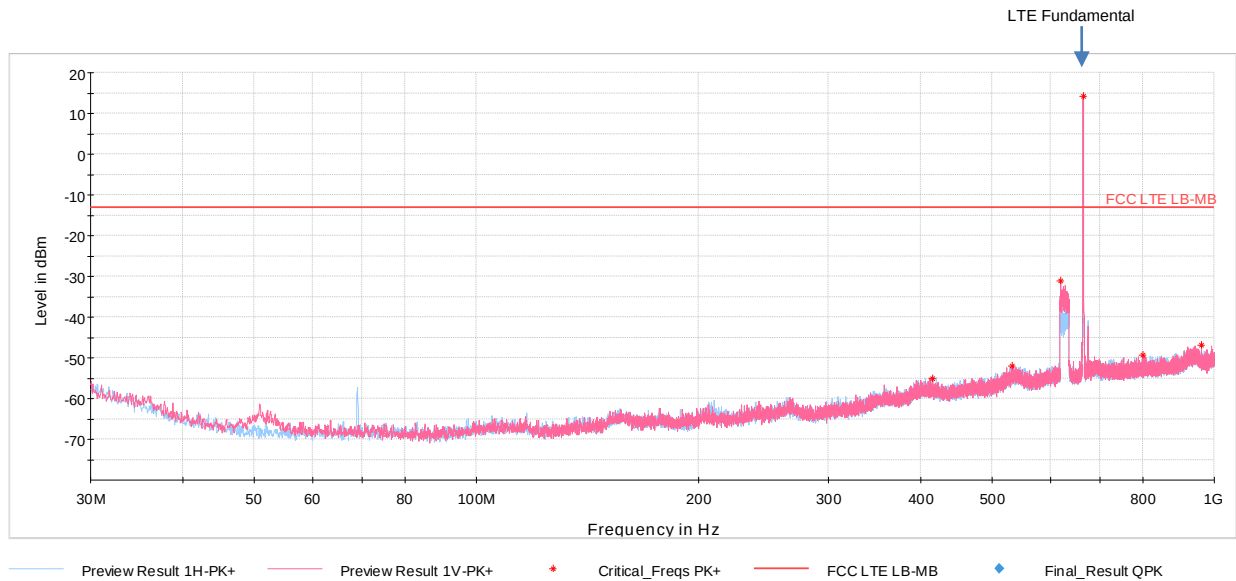
Bandwidth (MHz):	5
Frequency (MHz):	784.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1569.0	-	-	-	-77.41	-1.16	28.43	-66.83	-40.00	-26.83
2353.5	-	-	-	-78.33	2.82	31.49	-63.77	-13.00	-50.77
3138.0	-	-	-	-79.18	3.94	31.76	-63.50	-13.00	-50.50

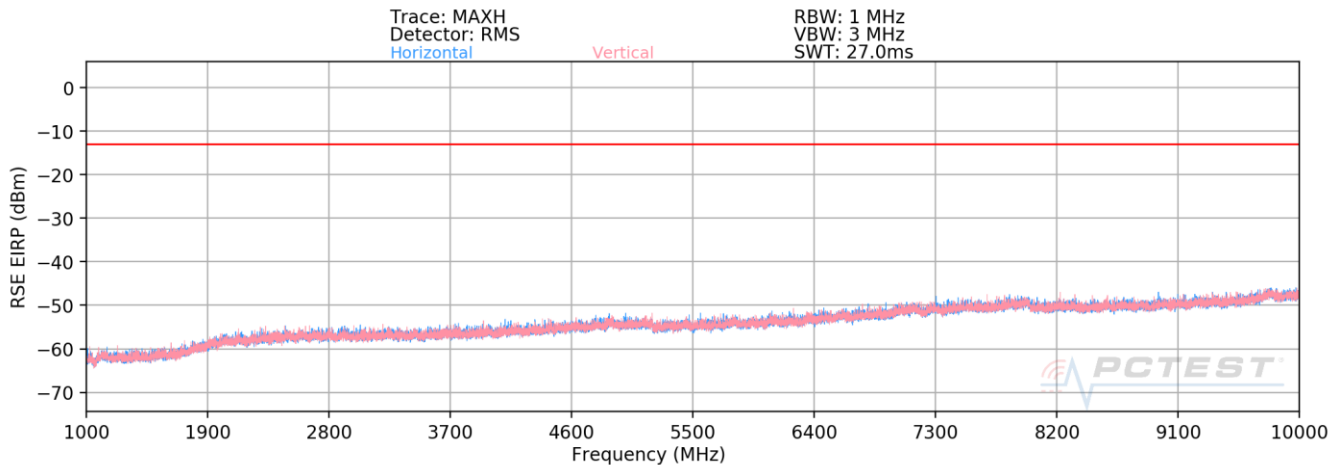
Table 7-38. Radiated Spurious Data (LTE Band 13 – High Channel)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 239 of 267

LTE Band 71



Plot 7-371. Radiated Spurious Emission below 1GHz (LTE Band 71)



Plot 7-372. Radiated Spurious Emission above 1GHz (LTE Band 71)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 240 of 267

Bandwidth (MHz):	20
Frequency (MHz):	673.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1346.0	H	-	-	-78.95	-1.31	26.74	-68.52	-13.00	-55.52
2019.0	H	-	-	-79.91	3.44	30.53	-64.73	-13.00	-51.73
2692.0	H	-	-	-80.65	5.22	31.57	-63.69	-13.00	-50.69

Table 7-39. Radiated Spurious Data (LTE Band 71 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	680.5
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1361.0	H	330	202	-76.47	-1.24	29.29	-65.97	-13.00	-52.97
2041.5	H	-	-	-78.85	3.45	31.60	-63.65	-13.00	-50.65
2722.0	H	-	-	-80.69	5.18	31.49	-63.77	-13.00	-50.77
3402.5	H	-	-	-81.30	6.12	31.82	-63.43	-13.00	-50.43

Table 7-40. Radiated Spurious Data (LTE Band 71 – Mid Channel)

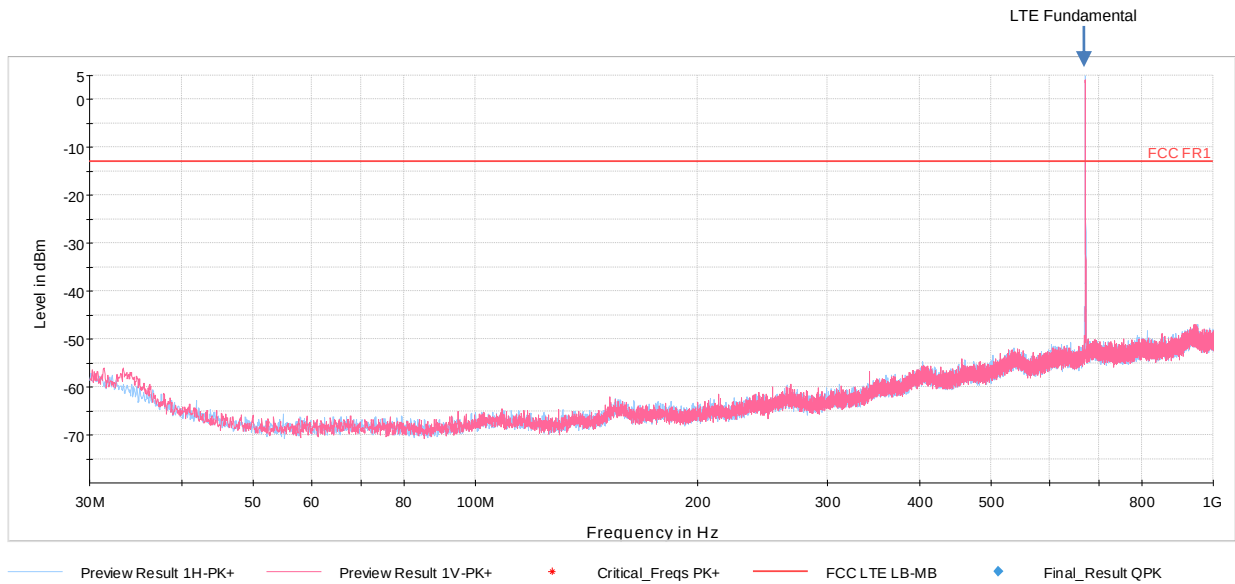
Bandwidth (MHz):	20
Frequency (MHz):	688.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1376.0	H	-	-	-78.96	-1.13	26.91	-68.35	-13.00	-55.35
2064.0	H	-	-	-79.94	3.27	30.33	-64.93	-13.00	-51.93
2752.0	H	-	-	-80.90	5.09	31.19	-64.07	-13.00	-51.07

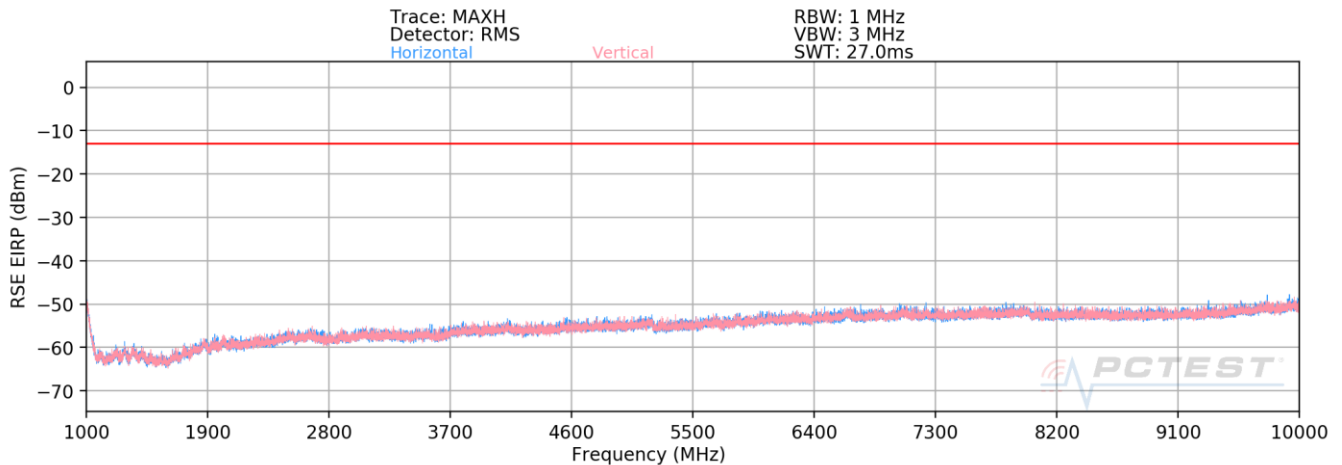
Table 7-41. Radiated Spurious Data (LTE Band 71 – High Channel)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device
		Page 241 of 267

NR Band n71



Plot 7-373. Radiated Spurious Emission below 1GHz (NR Band n71)



Plot 7-374. Radiated Spurious Emission above 1GHz (NR Band n71)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 242 of 267

Bandwidth (MHz):	20
Frequency (MHz):	673.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1346.0	H	205	181	-73.50	-4.05	29.45	-65.81	-13.00	-52.81
2019.0	-	-	-	-75.60	-0.62	30.78	-64.48	-13.00	-51.48
2692.0	-	-	-	-76.21	0.60	31.39	-63.86	-13.00	-50.86
3365.0	-	-	-	-76.80	1.97	32.17	-63.09	-13.00	-50.09

Table 7-42. Radiated Spurious Data (NR Band n71 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	680.5
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1361.0	H	182	183	-65.93	-4.13	36.94	-58.32	-13.00	-45.32
2041.5	-	-	-	-75.76	-0.61	30.63	-64.62	-13.00	-51.62
2722.0	-	-	-	-76.11	0.26	31.15	-64.11	-13.00	-51.11
3402.5	-	-	-	-77.03	1.81	31.78	-63.48	-13.00	-50.48

Table 7-43. Radiated Spurious Data (NR Band n71 – Mid Channel)

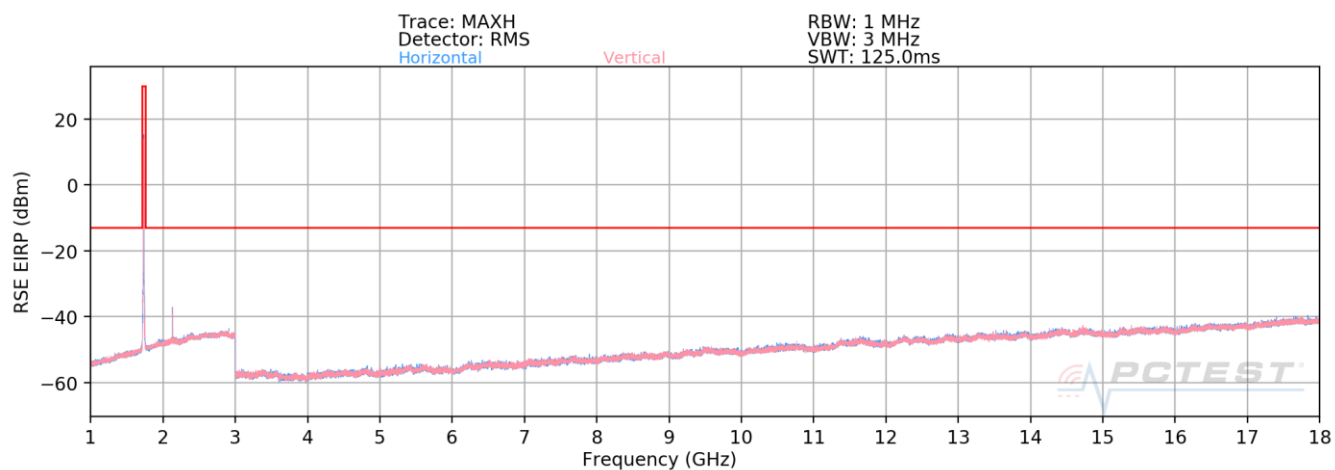
Bandwidth (MHz):	20
Frequency (MHz):	688.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1376.0	H	250	233	-73.15	-4.15	29.70	-65.56	-13.00	-52.56
2064.0	-	-	-	-75.60	-0.78	30.62	-64.64	-13.00	-51.64
2752.0	-	-	-	-75.97	0.18	31.21	-64.05	-13.00	-51.05
3440.0	-	-	-	-77.01	1.74	31.73	-63.53	-13.00	-50.53

Table 7-44. Radiated Spurious Data (NR Band n71 – High Channel)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 243 of 267

WCDMA AWS



Plot 7-375. Radiated Spurious Emission 1GHz – 18GHz (WCDMA AWS)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 244 of 267

Mode:	WCDMA RMC
Channel:	1312
Frequency (MHz):	1712.4

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3424.8	V	-	-	-77.97	5.31	34.34	-60.92	-13.00	-47.92
5137.2	V	-	-	-78.87	6.92	35.05	-60.21	-13.00	-47.21
6849.6	V	-	-	-79.83	9.73	36.90	-58.36	-13.00	-45.36

7-45. Radiated Spurious Data (WCDMA AWS – Low Channel)

Mode:	WCDMA RMC
Channel:	1413
Frequency (MHz):	1732.6

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3465.2	V	-	-	-77.38	4.45	34.07	-61.19	-13.00	-48.19
5197.8	V	-	-	-78.17	6.25	35.08	-60.18	-13.00	-47.18
6930.4	V	-	-	-79.32	9.45	37.13	-58.13	-13.00	-45.13

Table 7-46. Radiated Spurious Data (WCDMA AWS – Mid Channel)

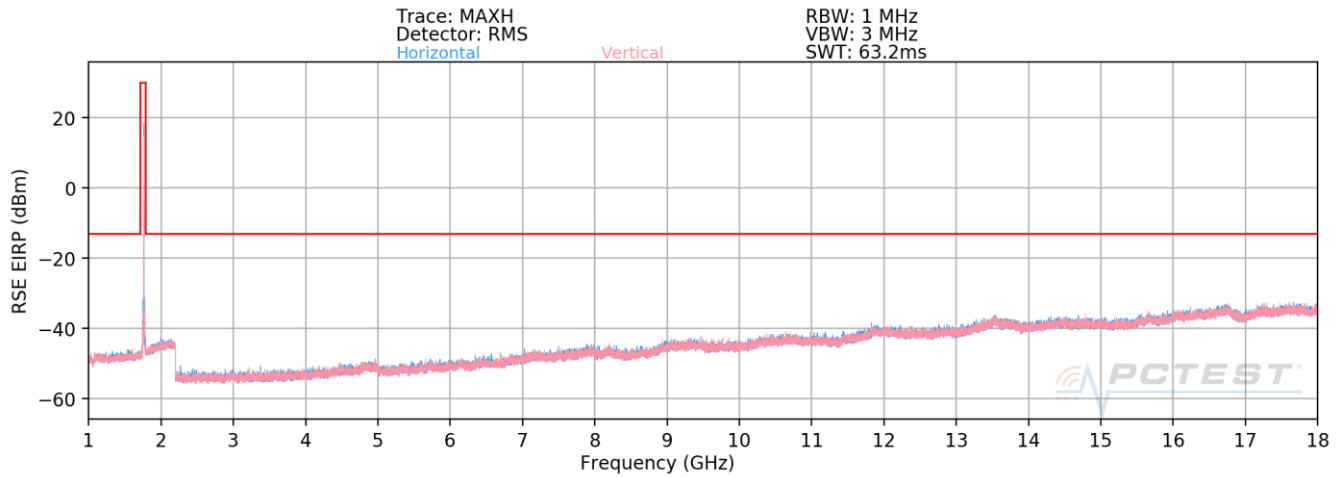
Mode:	WCDMA RMC
Channel:	1513
Frequency (MHz):	1752.6

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3505.2	V	-	-	-77.29	4.44	34.15	-61.11	-13.00	-48.11
5257.8	V	-	-	-78.60	6.89	35.29	-59.97	-13.00	-46.97
7010.4	V	-	-	-80.61	10.55	36.94	-58.31	-13.00	-45.31

Table 7-47. Radiated Spurious Data (WCDMA AWS – High Channel)

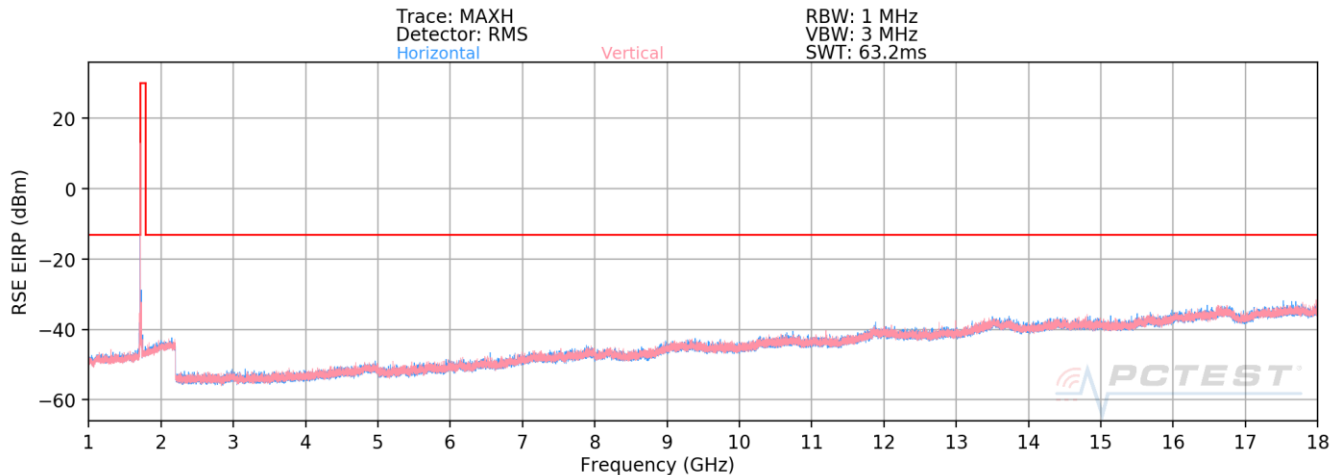
FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device
		Page 245 of 267

EN-DC – n12 + LTE Band 66



Plot 7-376. Radiated Spurious Emission 1GHz – 18GHz (NR Band n12 + Anchor LTE Band 66 – EN-DC)

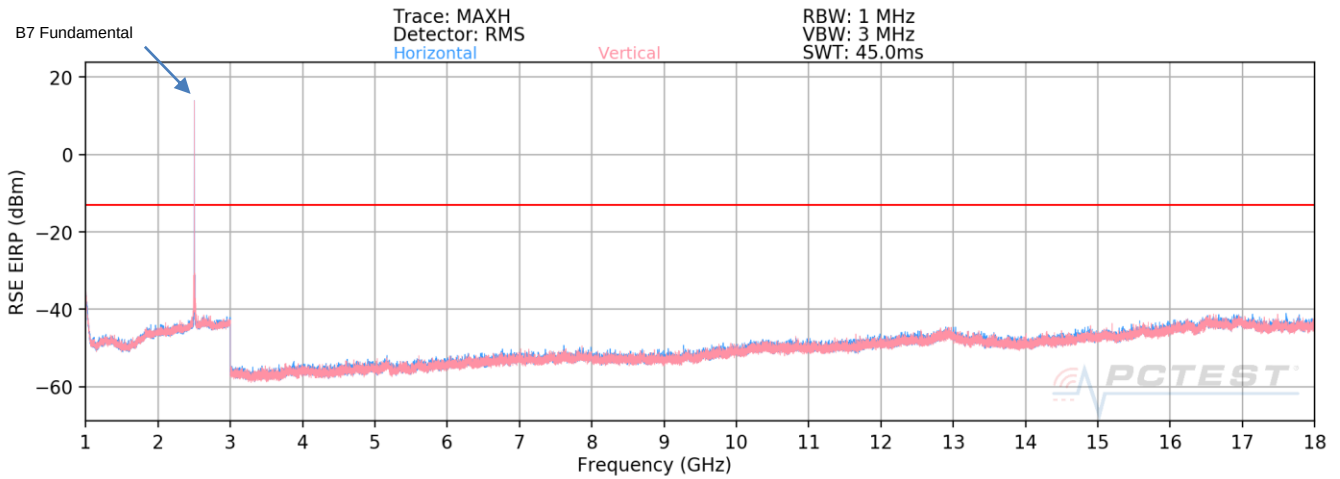
EN-DC – n71 + LTE Band 66



Plot 7-377. Radiated Spurious Emission 1GHz – 18GHz (NR Band n71 + Anchor LTE Band 66 – EN-DC)

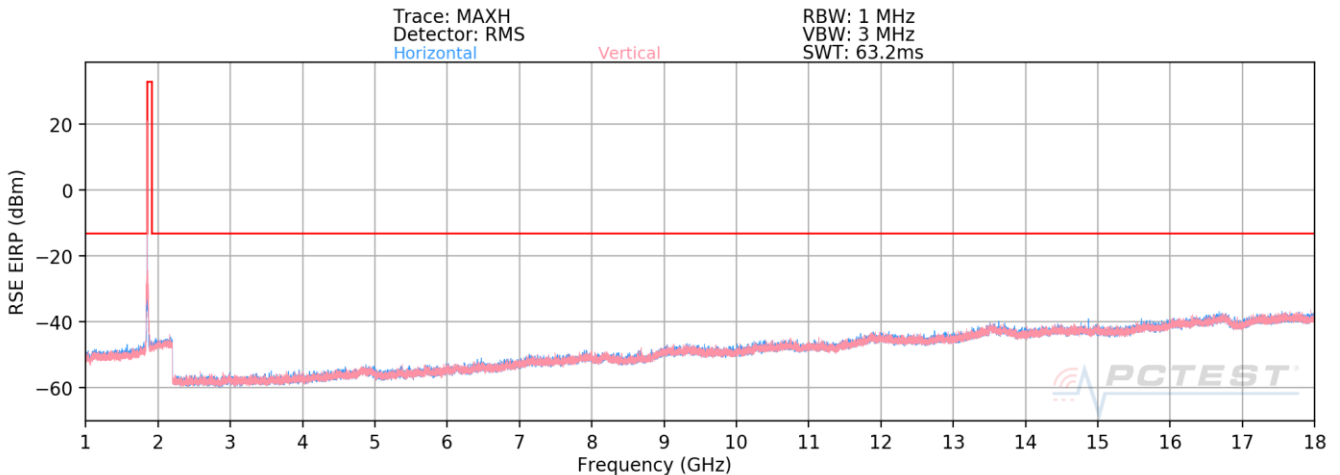
FCC ID: BCGA2379	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 246 of 267

EN-DC – n71 + LTE Band 7



Plot 7-378. Radiated Spurious Emission 1GHz – 18GHz (NR Band n71 + Anchor LTE Band 7 – EN-DC)

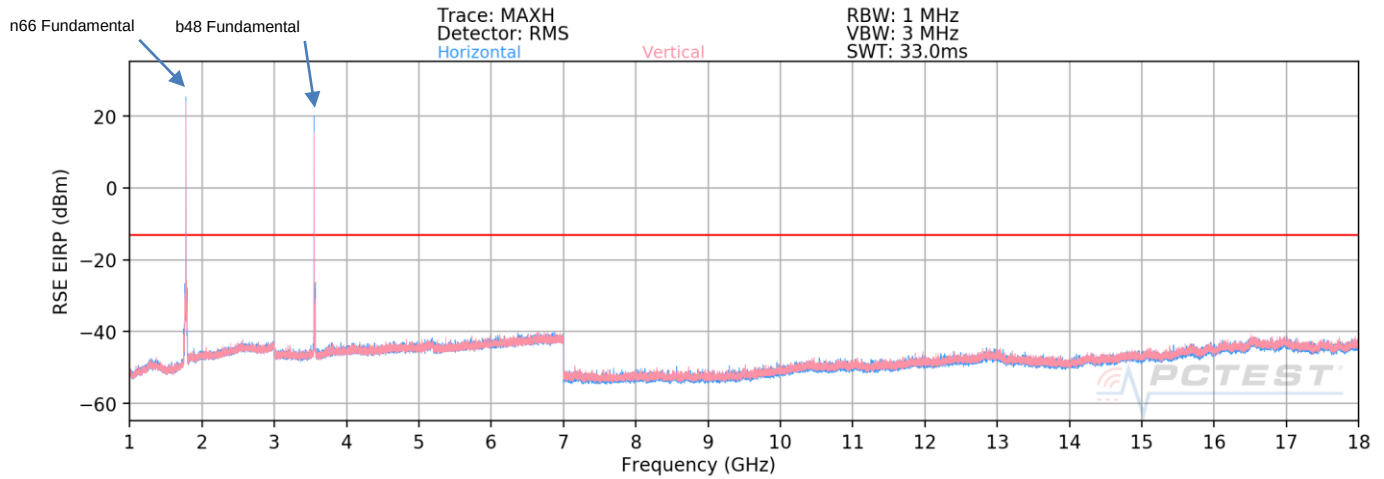
EN-DC – n66 + LTE Band 12



Plot 7-379. Radiated Spurious Emission 1GHz – 18GHz (NR Band n66 + Anchor LTE Band 12 – EN-DC)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device		Page 247 of 267

EN-DC – n66 + LTE Band 48



Plot 7-380. Radiated Spurious Emission 1GHz – 18GHz (NR Band n66 + Anchor LTE Band 48 – EN-DC)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 248 of 267

7.7.2 Antenna 1 – Radiated Spurious Emission Measurement

LTE Band 66/4

Bandwidth (MHz):	20
Frequency (MHz):	1720.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3440.0	-	-	-	-78.27	13.81	42.54	-52.72	-13.00	-39.72
5160.0	H	301	70	-77.42	16.02	45.60	-49.65	-13.00	-36.65
6880.0	-	-	-	-80.25	18.99	45.74	-49.52	-13.00	-36.52
8600.0	-	-	-	-79.72	21.66	48.94	-46.31	-13.00	-33.31

Table 7-48. Radiated Spurious Data (LTE Band 66/4 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	1745.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	H	293	216	-76.32	13.80	44.48	-50.78	-13.00	-37.78
5235.0	H	204	66	-76.07	16.46	47.39	-47.87	-13.00	-34.87
6980.0	-	-	-	-79.78	19.14	46.36	-48.90	-13.00	-35.90
8725.0	-	-	-	-81.11	21.59	47.48	-47.77	-13.00	-34.77
10470.0	-	-	-	-81.00	24.71	50.71	-44.55	-13.00	-31.55

Table 7-49. Radiated Spurious Data (LTE Band 66/4 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	1770.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3540.00	-	-	-	-77.96	13.73	42.77	-52.49	-13.00	-39.49
5310.00	-	-	-	-79.25	16.69	44.44	-50.82	-13.00	-37.82
7080.00	-	-	-	-80.88	20.02	46.14	-49.12	-13.00	-36.12

Table 7-50. Radiated Spurious Data (LTE Band 66/4 – High Channel)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 249 of 267

LTE Band 12/17

Bandwidth (MHz):	10
Frequency (MHz):	704.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1408.0	H	375	233	-75.32	-1.99	29.69	-65.57	-13.00	-52.57
2112.0	H	273	192	-76.87	1.73	31.86	-63.40	-13.00	-50.40
2816.0	-	-	-	-77.50	3.39	32.89	-62.37	-13.00	-49.37
3520.0	-	-	-	-78.40	4.33	32.93	-62.33	-13.00	-49.33
4224.0	-	-	-	-79.36	5.62	33.26	-62.00	-13.00	-49.00

Table 7-51. Radiated Spurious Data (LTE Band 12/17 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	707.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1415.0	H	159	127	-74.47	-1.95	30.58	-64.68	-13.00	-51.68
2122.5	H	326	161	-76.47	2.04	32.57	-62.68	-13.00	-49.68
2830.0	-	-	-	-77.64	3.31	32.67	-62.58	-13.00	-49.58
3537.5	-	-	-	-78.63	4.44	32.81	-62.44	-13.00	-49.44
4245.0	-	-	-	-79.43	5.41	32.98	-62.27	-13.00	-49.27

Table 7-52. Radiated Spurious Data (LTE Band 12/17 – Mid Channel)

Bandwidth (MHz):	10
Frequency (MHz):	711.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1422.0	H	142	182	-73.83	-1.97	31.20	-64.06	-13.00	-51.06
2133.0	-	-	-	-77.55	2.16	31.61	-63.65	-13.00	-50.65
2844.0	-	-	-	-77.79	3.64	32.85	-62.40	-13.00	-49.40
3555.0	-	-	-	-78.44	4.29	32.85	-62.41	-13.00	-49.41

Table 7-53. Radiated Spurious Data (LTE Band 12/17 – High Channel)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 250 of 267

LTE Band 13

Bandwidth (MHz):	5
Frequency (MHz):	779.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1559.0	-	-	-	-77.34	-1.07	28.59	-66.67	-40.00	-26.67
2338.5	-	-	-	-77.90	2.64	31.74	-63.51	-13.00	-50.51
3118.0	-	-	-	-79.15	3.93	31.78	-63.47	-13.00	-50.47

Table 7-54. Radiated Spurious Data (LTE Band 13 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	782.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1564.0	-	-	-	-76.89	-1.07	29.04	-66.22	-40.00	-26.22
2346.0	-	-	-	-77.43	2.64	32.21	-63.04	-13.00	-50.04
3128.0	-	-	-	-79.10	3.93	31.83	-63.42	-13.00	-50.42

Table 7-55. Radiated Spurious Data (LTE Band 13 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	784.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1569.0	-	-	-	-76.98	-1.07	28.95	-66.31	-40.00	-26.31
2353.5	-	-	-	-77.78	2.64	31.86	-63.39	-13.00	-50.39
3138.0	-	-	-	-79.06	3.93	31.87	-63.38	-13.00	-50.38

Table 7-56. Radiated Spurious Data (LTE Band 13 – High Channel)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 251 of 267

LTE Band 71

Bandwidth (MHz):	20
Frequency (MHz):	673.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1346.0	V	338	201	-75.36	-2.35	29.29	-65.97	-13.00	-52.97
2019.0	-	-	-	-77.98	1.88	30.90	-64.36	-13.00	-51.36
2692.0	-	-	-	-77.79	3.81	33.02	-62.23	-13.00	-49.23
3365.0	-	-	-	-77.98	4.24	33.26	-62.00	-13.00	-49.00

Table 7-57. Radiated Spurious Data (LTE Band 71 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	680.5
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1361.0	V	232	214	-76.02	-2.24	28.74	-66.52	-13.00	-53.52
2041.5	-	-	-	-77.83	1.73	30.90	-64.36	-13.00	-51.36
2722.0	-	-	-	-78.14	3.63	32.49	-62.77	-13.00	-49.77
3402.5	-	-	-	-78.13	4.43	33.30	-61.96	-13.00	-48.96

Table 7-58. Radiated Spurious Data (LTE Band 71 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	688.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1376.0	-	-	-	-76.89	-2.08	28.03	-67.23	-13.00	-54.23
2064.0	-	-	-	-77.61	1.80	31.19	-64.07	-13.00	-51.07
2752.0	-	-	-	-77.95	3.47	32.52	-62.73	-13.00	-49.73

Table 7-59. Radiated Spurious Data (LTE Band 71 – High Channel)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 252 of 267

NR Band n71

Bandwidth (MHz):	20
Frequency (MHz):	673.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1346.0	H	307	5	-71.44	-4.05	31.51	-63.75	-13.00	-50.75
2019.0	-	-	-	-75.62	-0.62	30.76	-64.50	-13.00	-51.50
2692.0	-	-	-	-76.29	0.60	31.31	-63.94	-13.00	-50.94
3365.0	-	-	-	-77.05	1.97	31.92	-63.34	-13.00	-50.34

Table 7-60. Radiated Spurious Data (NR Band n71 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	680.5
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1361.0	H	166	131	-72.95	-4.13	29.92	-65.34	-13.00	-52.34
2041.5	V	126	198	-72.53	-0.61	33.86	-61.39	-13.00	-48.39
2722.0	-	-	-	-76.20	0.26	31.06	-64.20	-13.00	-51.20
3402.5	-	-	-	-76.69	1.81	32.12	-63.14	-13.00	-50.14
4083.0	-	-	-	-77.20	2.86	32.66	-62.59	-13.00	-49.59

Table 7-61. Radiated Spurious Data (NR Band n71 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	688.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1376.0	H	131	4	-69.63	-4.15	33.22	-62.04	-13.00	-49.04
2064.0	V	232	296	-74.78	-0.78	31.44	-63.82	-13.00	-50.82
2752.0	-	-	-	-75.91	0.18	31.27	-63.99	-13.00	-50.99
3440.0	-	-	-	-77.09	1.74	31.65	-63.61	-13.00	-50.61
4128.0	-	-	-	-77.16	2.99	32.83	-62.42	-13.00	-49.42

Table 7-62. Radiated Spurious Data (NR Band n71 – High Channel)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 253 of 267

WCDMA AWS

Mode:	WCDMA RMC
Channel:	1312
Frequency (MHz):	1712.4

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3424.8	V	-	-	-78.06	5.31	34.25	-61.01	-13.00	-48.01
5137.2	V	-	-	-79.01	6.92	34.91	-60.35	-13.00	-47.35
6849.6	V	-	-	-79.82	9.73	36.91	-58.35	-13.00	-45.35

7-63. Radiated Spurious Data (WCDMA AWS – Low Channel)

Mode:	WCDMA RMC
Channel:	1413
Frequency (MHz):	1732.6

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3465.2	V	-	-	-77.28	4.45	34.17	-61.09	-13.00	-48.09
5197.8	V	-	-	-78.07	6.25	35.18	-60.08	-13.00	-47.08
6930.4	V	-	-	-79.30	9.45	37.15	-58.11	-13.00	-45.11

7-64. Radiated Spurious Data (WCDMA AWS – Mid Channel)

Mode:	WCDMA RMC
Channel:	1513
Frequency (MHz):	1752.6

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3505.2	V	-	-	-77.44	4.44	34.00	-61.26	-13.00	-48.26
5257.8	V	-	-	-78.65	6.89	35.24	-60.02	-13.00	-47.02
7010.4	V	-	-	-80.64	10.55	36.91	-58.34	-13.00	-45.34

7-65. Radiated Spurious Data (WCDMA AWS – High Channel)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 254 of 267

7.7.3 Antenna 4b – Radiated Spurious Emission Measurement

LTE Band 66/4

Bandwidth (MHz):	20
Frequency (MHz):	1720.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3440.0	H	232	150	-60.28	4.88	51.60	-43.66	-13.00	-30.66
5160.0	V	276	140	-71.36	6.66	42.30	-52.96	-13.00	-39.96
6880.0	-	-	-	-77.01	9.44	39.43	-55.83	-13.00	-42.83
8600.0	-	-	-	-78.50	11.98	40.48	-54.78	-13.00	-41.78
10320.0	-	-	-	-78.77	14.84	43.07	-52.19	-13.00	-39.19

Table 7-66. Radiated Spurious Data (LTE Band 66/4 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	1745.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	H	230	149	-60.06	4.36	51.30	-43.96	-13.00	-30.96
5235.0	V	270	133	-71.18	6.55	42.37	-52.88	-13.00	-39.88
6980.0	-	-	-	-76.62	9.94	40.32	-54.94	-13.00	-41.94
8725.0	-	-	-	-78.23	13.10	41.87	-53.39	-13.00	-40.39
10470.0	-	-	-	-78.25	15.14	43.89	-51.37	-13.00	-38.37

Table 7-67. Radiated Spurious Data (LTE Band 66/4 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	1770.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3540.00	H	232	155	-59.72	5.13	52.41	-42.84	-13.00	-29.84
5310.00	V	269	134	-71.20	7.69	43.49	-51.77	-13.00	-38.77
7080.00	-	-	-	-76.81	10.84	41.03	-54.23	-13.00	-41.23
8850.00	-	-	-	-78.01	12.48	41.47	-53.78	-13.00	-40.78
10620.00	-	-	-	-77.97	15.08	44.11	-51.14	-13.00	-38.14

Table 7-68. Radiated Spurious Data (LTE Band 66/4 – High Channel)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 255 of 267

WCDMA AWS

Mode:	WCDMA RMC
Channel:	1312
Frequency (MHz):	1712.4

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3424.8	-	-	-	-78.06	5.31	34.25	-61.01	-13.00	-48.01
5137.2	-	-	-	-78.98	6.92	34.94	-60.32	-13.00	-47.32
6849.6	-	-	-	-79.92	9.73	36.81	-58.45	-13.00	-45.45

7-69. Radiated Spurious Data (WCDMA AWS – Low Channel)

Mode:	WCDMA RMC
Channel:	1413
Frequency (MHz):	1732.6

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3465.2	-	-	-	-77.16	4.45	34.29	-60.97	-13.00	-47.97
5197.8	-	-	-	-78.21	6.25	35.04	-60.22	-13.00	-47.22
6930.4	-	-	-	-79.24	9.45	37.21	-58.05	-13.00	-45.05

7-70. Radiated Spurious Data (WCDMA AWS – Mid Channel)

Mode:	WCDMA RMC
Channel:	1513
Frequency (MHz):	1752.6

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3505.2	-	-	-	-77.51	4.44	33.93	-61.33	-13.00	-48.33
5257.8	-	-	-	-78.62	6.89	35.27	-59.99	-13.00	-46.99
7010.4	-	-	-	-80.72	10.55	36.83	-58.42	-13.00	-45.42

7-71. Radiated Spurious Data (WCDMA AWS – High Channel)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 256 of 267

7.7.4 Antenna 2b – Radiated Spurious Emission Measurement

LTE Band 66/4

Bandwidth (MHz):	20
Frequency (MHz):	1720.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3440.0	-	-	-	-78.27	4.88	33.61	-61.65	-13.00	-48.65
5160.0	-	-	-	-79.35	6.66	34.31	-60.95	-13.00	-47.95
6880.0	-	-	-	-80.20	9.44	36.24	-59.02	-13.00	-46.02

Table 7-72. Radiated Spurious Data (LTE Band 66/4 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	1745.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	-	-	-	-78.52	4.36	32.84	-62.42	-13.00	-49.42
5235.0	-	-	-	-79.85	6.55	33.70	-61.55	-13.00	-48.55
6980.0	-	-	-	-79.95	9.94	36.99	-58.27	-13.00	-45.27

Table 7-73. Radiated Spurious Data (LTE Band 66/4 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	1770.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3540.00	-	-	-	-77.83	5.13	34.30	-60.95	-13.00	-47.95
5310.00	-	-	-	-79.25	7.69	35.44	-59.82	-13.00	-46.82
7080.00	-	-	-	-80.89	10.84	36.95	-58.31	-13.00	-45.31

Table 7-74. Radiated Spurious Data (LTE Band 66/4 – High Channel)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 257 of 267

WCDMA AWS

Mode:	WCDMA RMC
Channel:	1312
Frequency (MHz):	1712.4

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3424.8	-	-	-	-77.81	5.31	34.50	-60.76	-13.00	-47.76
5137.2	-	-	-	-78.93	6.92	34.99	-60.27	-13.00	-47.27
6849.6	-	-	-	-79.92	9.73	36.81	-58.45	-13.00	-45.45

7-75. Radiated Spurious Data (WCDMA AWS – Low Channel)

Mode:	WCDMA RMC
Channel:	1413
Frequency (MHz):	1732.6

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3465.2	-	-	-	-77.37	4.45	34.08	-61.18	-13.00	-48.18
5197.8	-	-	-	-77.97	6.25	35.28	-59.98	-13.00	-46.98
6930.4	-	-	-	-79.32	9.45	37.13	-58.13	-13.00	-45.13

7-76. Radiated Spurious Data (WCDMA AWS – Mid Channel)

Mode:	WCDMA RMC
Channel:	1513
Frequency (MHz):	1752.6

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3505.2	-	-	-	-77.42	4.44	34.02	-61.24	-13.00	-48.24
5257.8	V	309	42	-76.10	6.89	37.79	-57.47	-13.00	-44.47
7010.4	-	-	-	-80.64	10.55	36.91	-58.34	-13.00	-45.34
8763.0	-	-	-	-80.66	12.60	38.94	-56.32	-13.00	-43.32

7-77. Radiated Spurious Data (WCDMA AWS – High Channel)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 258 of 267

7.8 Frequency Stability / Temperature Variation

\$2.1053, \$27.53

Test Overview and Limit

Frequency stability testing is performed in accordance with the guidelines of ANSI C63.26-2015 and TIA-603-E-2016. The frequency stability of the transmitter is measured by:

- a.) **Temperature:** The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.
- b.) **Primary Supply Voltage:** The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

For Part 27, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

Test Procedure Used

ANSI C63.26 2015

TIA-603-E-2016

Test Settings

1. The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).
2. The equipment is turned on in a “standby” condition for fifteen minutes before applying power to the transmitter. Measurement of the carrier frequency of the transmitter is made within one minute after applying power to the transmitter.
3. Frequency measurements are made at 10°C intervals ranging from -30°C to +50°C. A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

Test Setup

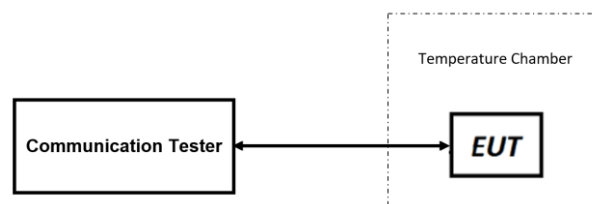


Figure 7-8. Test Instrument & Measurement Setup

Test Notes

1. All port were tested and only the worst case data were reported
2. NR bands with wider bandwidths compared to respective LTE bands have been investigated and worst case was reported. NR Bands with equal or lower bandwidths to respective LTE bands are covered by their respective LTE Bands.

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 259 of 267

Frequency Stability / Temperature Variation

LTE Band 66/4

Low Channel Frequency (Hz):	1,720,000,000
High Channel Frequency (Hz):	1,770,000,000
Ref. Voltage (VDC):	3.80

Voltage (%)	Power (VDC)	Temp (°C)	Low Frequency (Hz)	High Frequency (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	1,719,999,996	1,769,999,984	-1.14	-8.33	-0.0000004
		- 20	1,719,999,994	1,769,999,985	-2.37	-7.57	-0.0000004
		- 10	1,719,999,995	1,769,999,984	-2.14	-8.32	-0.0000004
		0	1,719,999,994	1,769,999,984	-3.01	-8.07	-0.0000004
		+ 10	1,719,999,994	1,769,999,985	-2.97	-7.04	-0.0000004
		+ 20 (Ref)	1,719,999,997	1,769,999,992	0.00	0.00	0.0000000
		+ 30	1,719,999,996	1,769,999,985	-1.17	-7.58	-0.0000004
		+ 40	1,719,999,993	1,769,999,984	-4.00	-8.20	-0.0000004
		+ 50	1,719,999,993	1,769,999,984	-3.83	-8.11	-0.0000004
Battery Endpoint	3.23	+ 20	1,719,999,994	1,769,999,985	-2.71	-7.00	-0.0000004

Table 7-78. LTE Band 66/4 Frequency Stability Data

The lowest and highest channel of this band have been tested and is determined to remain operating in-band over the temperature and voltage range as tested

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 260 of 267

Frequency Stability / Temperature Variation

LTE Band 12/17							
			Low Channel Frequency (Hz):		704,000,000		
			High Channel Frequency (Hz):		711,000,000		
			Ref. Voltage (VDC):		3.80		
Voltage (%)	Power (VDC)	Temp (°C)	Low Frequency (Hz)	High Frequency (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	704,000,003	711,000,002	0.34	2.85	0.0000002
		- 20	704,000,005	711,000,000	2.48	1.00	0.0000001
		- 10	704,000,003	711,000,001	0.62	1.40	0.0000001
		0	704,000,004	711,000,000	1.68	0.24	0.0000001
		+ 10	704,000,004	711,000,002	1.38	2.46	0.0000001
		+ 20 (Ref)	704,000,002	710,999,999	0.00	0.00	0.0000000
		+ 30	704,000,004	711,000,001	2.18	1.64	0.0000001
		+ 40	704,000,004	711,000,000	1.88	0.26	0.0000001
		+ 50	704,000,004	710,999,998	2.05	-1.07	0.0000001
Battery Endpoint	3.23	+ 20	704,000,003	711,000,002	0.72	2.15	0.0000001

Table 7-79. LTE Band 12/17 Frequency Stability Data

The lowest and highest channel of this band have been tested and is determined to remain operating in-band over the temperature and voltage range as tested

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 261 of 267

Frequency Stability / Temperature Variation

LTE Band 13							
			Low Channel Frequency (Hz):		779,500,000		
			High Channel Frequency (Hz):		784,500,000		
			Ref. Voltage (VDC):		3.80		
Voltage (%)	Power (VDC)	Temp (°C)	Low Frequency (Hz)	High Frequency (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	779,499,999	784,499,999	0.72	-0.62	0.0000000
		- 20	779,499,998	784,499,999	-0.56	-0.51	0.0000000
		- 10	779,499,998	784,499,999	-0.77	-0.39	0.0000000
		0	779,499,998	784,499,999	-0.47	-0.57	0.0000000
		+ 10	779,499,996	784,499,999	-2.51	-0.63	-0.0000001
		+ 20 (Ref)	779,499,998	784,499,999	0.00	0.00	0.0000000
		+ 30	779,499,998	784,499,999	-0.84	-0.26	0.0000000
		+ 40	779,499,998	784,499,999	-0.06	-0.44	0.0000000
		+ 50	779,499,996	784,499,999	-2.70	-0.37	-0.0000001
Battery Endpoint	3.23	+ 20	779,499,999	784,499,998	0.27	-0.89	0.0000000

Table 7-80. LTE Band 13 Frequency Stability Data

The lowest and highest channel of this band have been tested and is determined to remain operating in-band over the temperature and voltage range as tested

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 262 of 267

Frequency Stability / Temperature Variation

LTE Band 71							
			Low Channel Frequency (Hz):	673,000,000			
			High Channel Frequency (Hz):	688,000,000			
			Ref. Voltage (VDC):	3.80			
Voltage (%)	Power (VDC)	Temp (°C)	Low Frequency (Hz)	High Frequency (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	672,999,998	688,000,001	-1.32	0.53	-0.0000001
		- 20	672,999,999	688,000,000	-0.34	-0.07	0.0000000
		- 10	672,999,998	688,000,000	-0.54	-0.19	0.0000000
		0	672,999,999	688,000,000	-0.28	0.43	0.0000000
		+ 10	672,999,997	688,000,001	-1.48	0.65	-0.0000001
		+ 20 (Ref)	672,999,999	688,000,000	0.00	0.00	0.0000000
		+ 30	672,999,998	688,000,000	-0.76	0.28	0.0000000
		+ 40	672,999,997	688,000,001	-1.48	0.57	-0.0000001
		+ 50	672,999,998	688,000,000	-0.67	-0.20	0.0000000
Battery Endpoint	3.23	+ 20	672,999,998	688,000,000	-0.65	0.47	0.0000000

Table 7-81. LTE Band 71 Frequency Stability Data

The lowest and highest channel of this band have been tested and is determined to remain operating in-band over the temperature and voltage range as tested

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 263 of 267

Frequency Stability / Temperature Variation

NR Band n12							
			Low Channel Frequency (Hz):		834,000,000		
			High Channel Frequency (Hz):		839,000,000		
			Ref. Voltage (VDC):		3.80		
Voltage (%)	Power (VDC)	Temp (°C)	Low Frequency (Hz)	High Frequency (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	833,259,790	838,267,166	-366,210.00	-356,834.00	-0.0197695
		- 20	833,254,528	838,265,784	-371,472.00	-358,216.00	-0.0200536
		- 10	833,247,000	838,261,000	-379,000.00	-363,000.00	-0.0204599
		0	833,258,000	838,255,000	-368,000.00	-369,000.00	-0.0199201
		+ 10	833,265,000	838,258,000	-361,000.00	-366,000.00	-0.0197582
		+ 20 (Ref)	833,626,000	838,624,000	0.00	0.00	0.0000000
		+ 30	833,265,000	838,246,000	-361,000.00	-378,000.00	-0.0204060
		+ 40	833,257,000	838,257,000	-369,000.00	-367,000.00	-0.0199201
		+ 50	833,251,000	838,251,000	-375,000.00	-373,000.00	-0.0202440
Battery Endpoint	3.23	+ 20	833,230,434	838,249,157	-395,566.00	-374,843.00	-0.0213542

Table 7-82. NR Band n12 Frequency Stability Data

The lowest and highest channel of this band have been tested and is determined to remain operating in-band over the temperature and voltage range as tested

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 264 of 267

Frequency Stability / Temperature Variation

NR Band n71							
			Low Channel Frequency (Hz):		673,000,000		
			High Channel Frequency (Hz):		638,800,000		
			Ref. Voltage (VDC):		3.80		
Voltage (%)	Power (VDC)	Temp (°C)	Low Frequency (Hz)	High Frequency (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	672,404,921	-694,073	-595,079.00	-694,073.00	-0.0374689
		- 20	672,397,790	-670,348	-602,210.00	-670,348.00	-0.0361881
		- 10	672,388,000	-602,000	-612,000.00	-602,000.00	-0.0330382
		0	672,387,000	-611,000	-613,000.00	-611,000.00	-0.0330922
		+ 10	672,415,000	-596,000	-585,000.00	-596,000.00	-0.0321745
		+ 20 (Ref)	673,000,000	638,105,927	0.00	0.00	0.0000000
		+ 30	672,411,000	-592,000	-589,000.00	-592,000.00	-0.0319585
		+ 40	672,411,000	-596,000	-589,000.00	-596,000.00	-0.0321745
		+ 50	672,400,000	-587,000	-600,000.00	-587,000.00	-0.0323904
Battery Endpoint	3.23	+ 20	672,974,855	-670,640	-25,145.00	-670,640.00	-0.0362038

Table 7-83. NR Band n71 Frequency Stability Data

The lowest and highest channel of this band have been tested and is determined to remain operating in-band over the temperature and voltage range as tested

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 265 of 267

Frequency Stability / Temperature Variation

WCDMA AWS							
			Low Channel Frequency (Hz):		1,712,400,000		
			High Channel Frequency (Hz):		1,752,600,000		
			Ref. Voltage (VDC):		3.80		
Voltage (%)	Power (VDC)	Temp (°C)	Low Frequency (Hz)	High Frequency (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	1,712,399,997	1,752,360,000	-1.54	0.53	-0.0000001
		- 20	1,712,399,998	1,752,359,999	-1.07	-0.59	-0.0000001
		- 10	1,712,399,997	1,752,359,999	-1.41	-0.32	-0.0000001
		0	1,712,399,997	1,752,359,999	-1.43	-0.19	-0.0000001
		+ 10	1,712,399,998	1,752,359,999	-1.03	-0.16	-0.0000001
		+ 20 (Ref)	1,712,399,999	1,752,359,999	0.00	0.00	0.0000000
		+ 30	1,712,399,997	1,752,360,000	-1.75	0.40	-0.0000001
		+ 40	1,712,399,998	1,752,359,999	-1.10	0.04	-0.0000001
		+ 50	1,712,399,997	1,752,359,999	-1.85	-0.54	-0.0000001
Battery Endpoint	3.23	+ 20	1,712,399,997	1,752,359,999	-1.71	-0.16	-0.0000001

Table 7-84. WCDMA AWS Frequency Stability Data

The lowest and highest channel of this band have been tested and is determined to remain operating in-band over the temperature and voltage range as tested

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 266 of 267

8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Apple Tablet Device** **FCC ID: BCGA2379** complies with all the requirements of Part 27 of the FCC rules.

FCC ID: BCGA2379	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-04-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 267 of 267