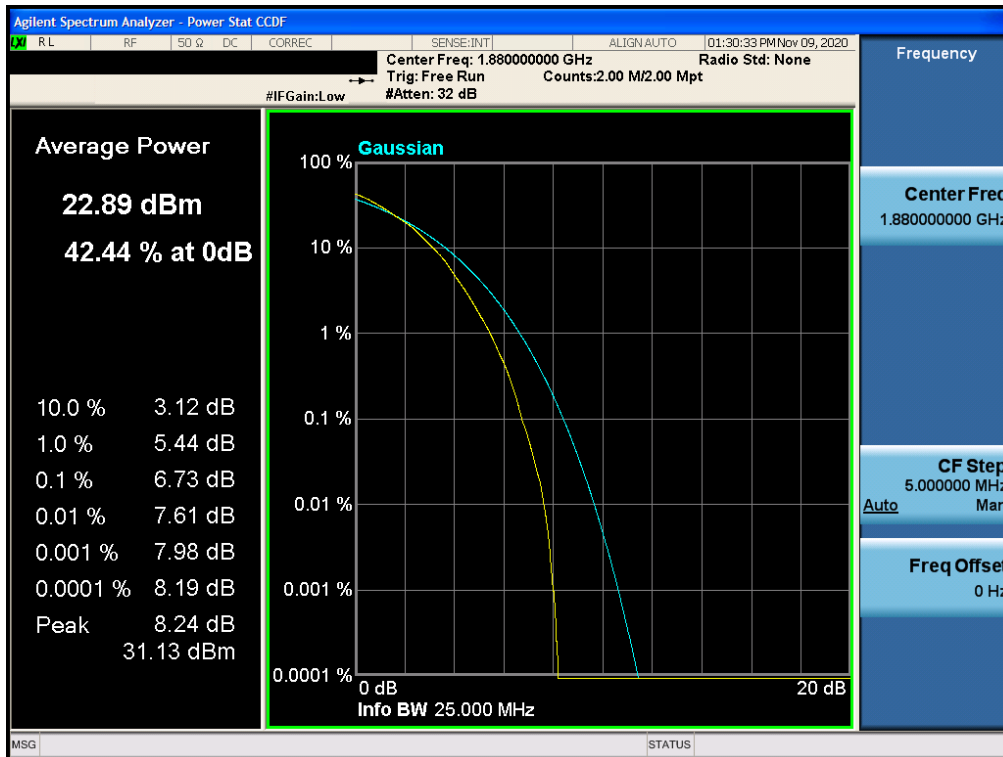
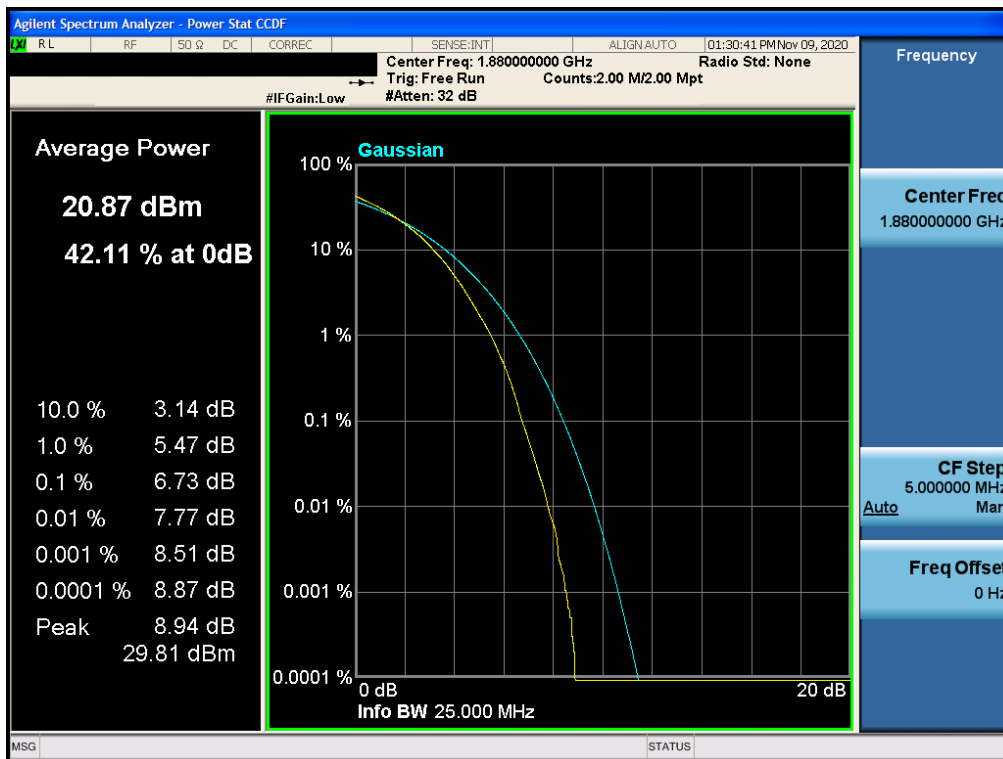


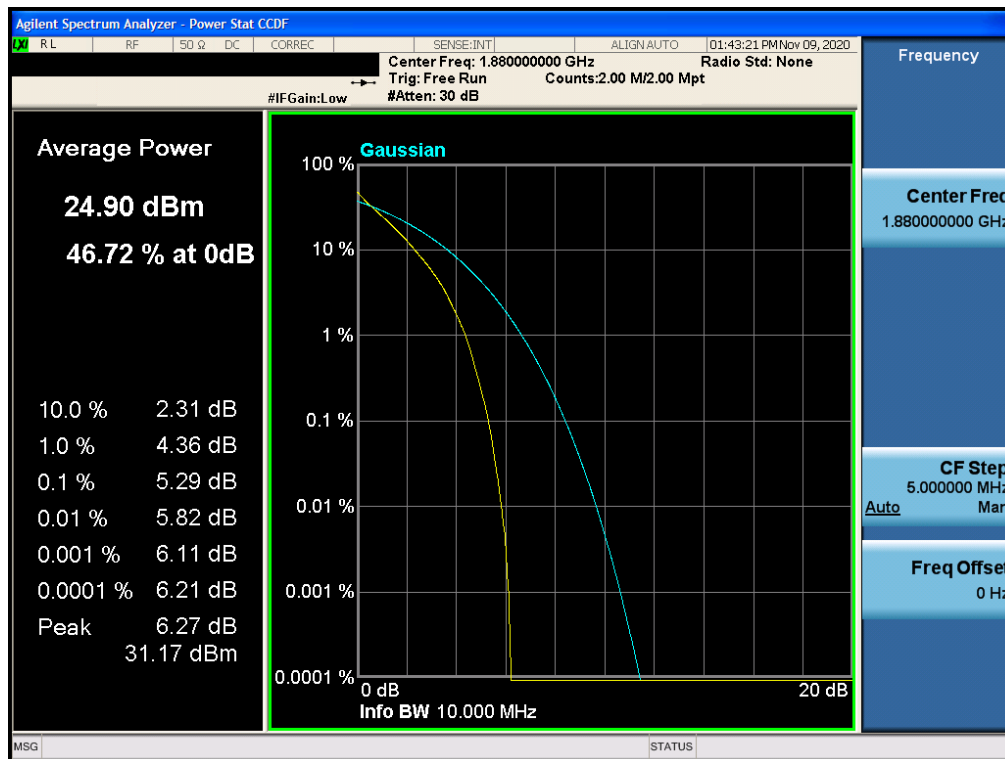


Plot 7-202. PAR Plot (LTE Band 2 - 15MHz 64-QAM - Full RB Configuration)

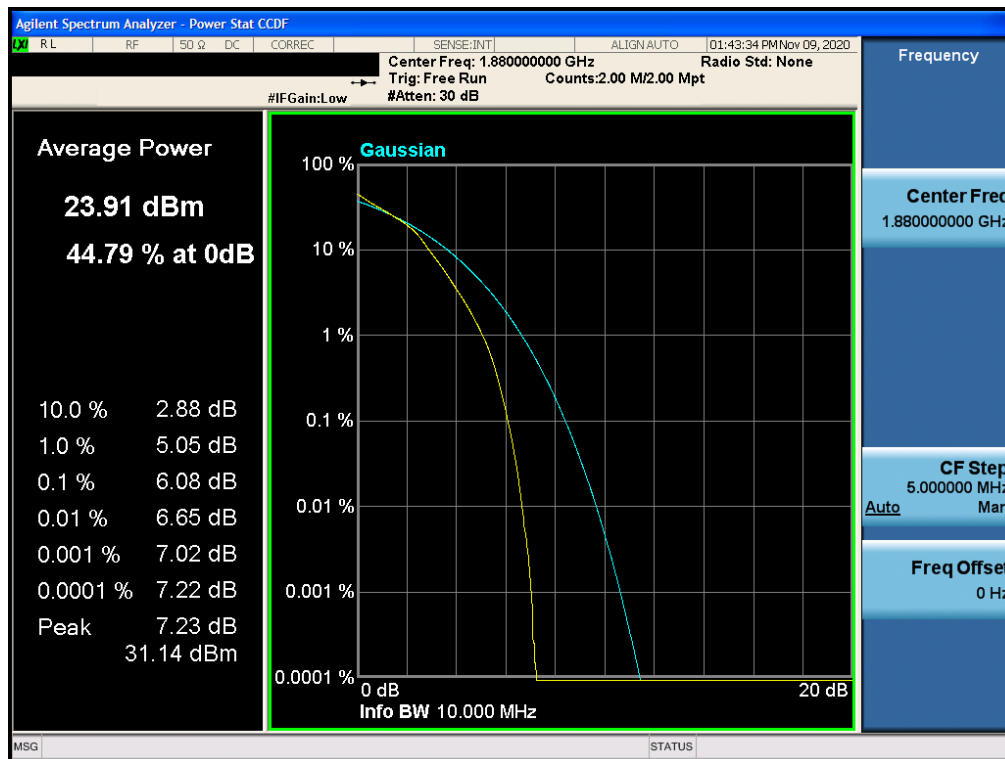


Plot 7-203. PAR Plot (LTE Band 2 - 15MHz 256-QAM - Full RB Configuration)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 123 of 198

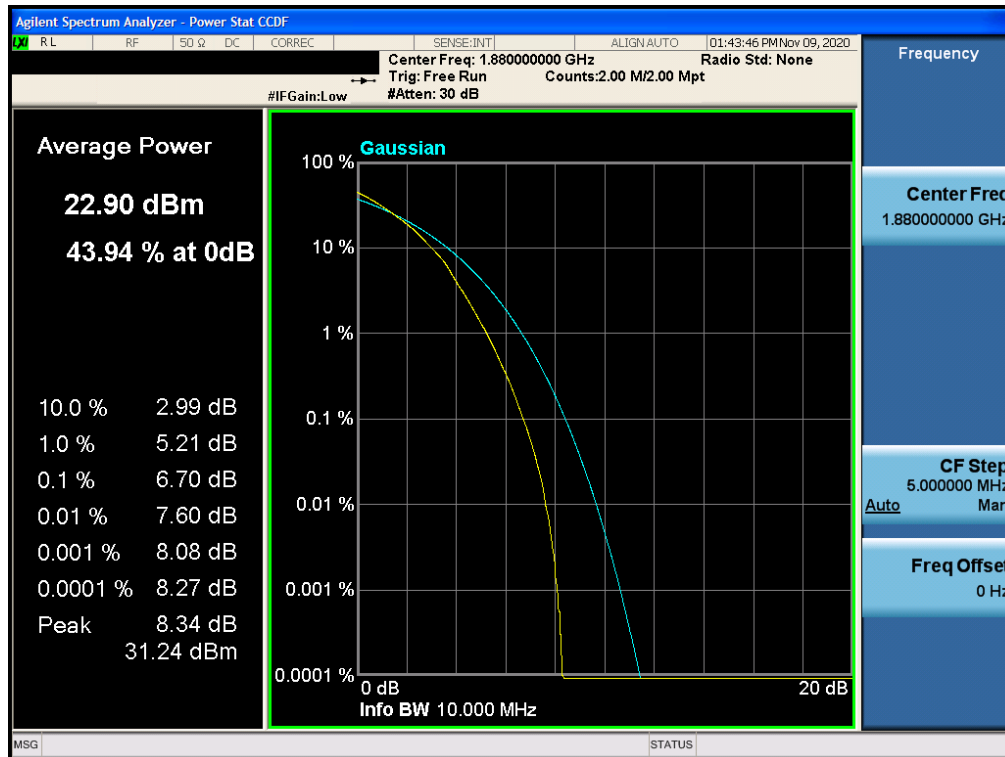


Plot 7-204. PAR Plot (LTE Band 2 - 10MHz QPSK - Full RB Configuration)

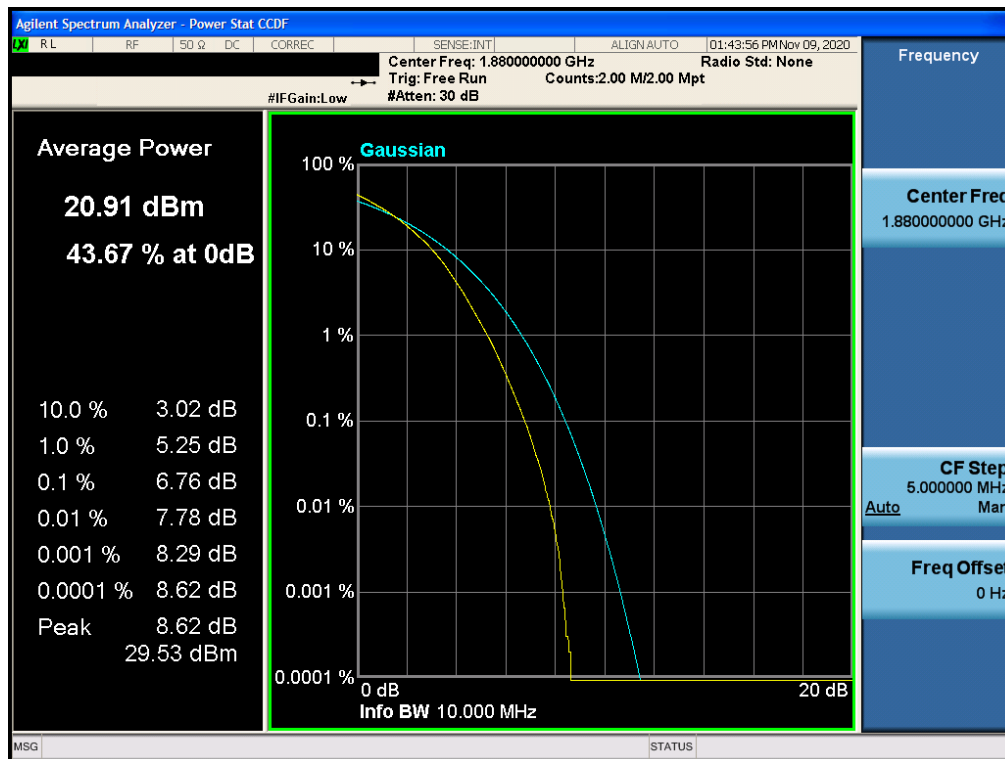


Plot 7-205. PAR Plot (LTE Band 2 - 10MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 124 of 198

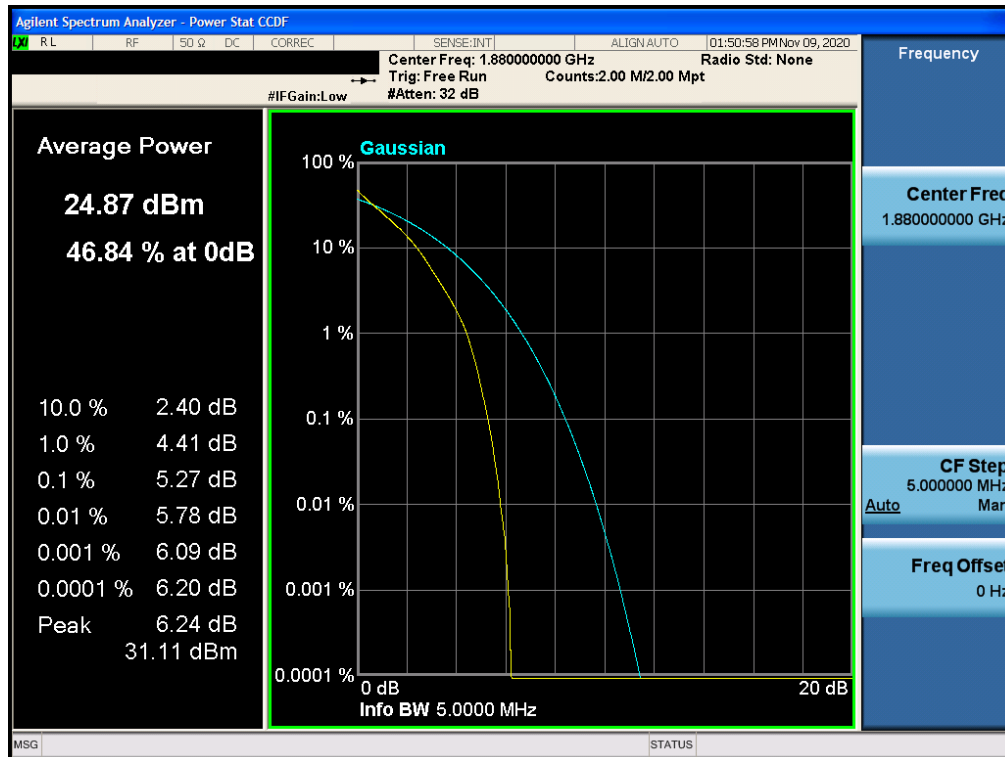


Plot 7-206. PAR Plot (LTE Band 2 - 10MHz 64-QAM - Full RB Configuration)

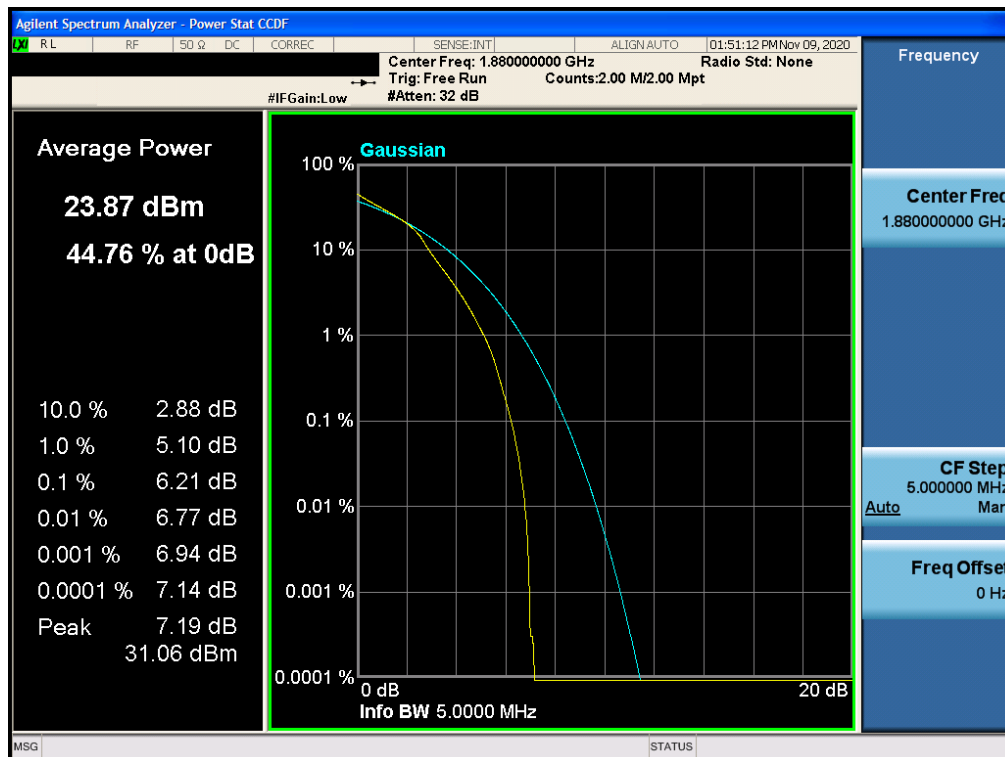


Plot 7-207. PAR Plot (LTE Band 2 - 10MHz 256-QAM - Full RB Configuration)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 125 of 198

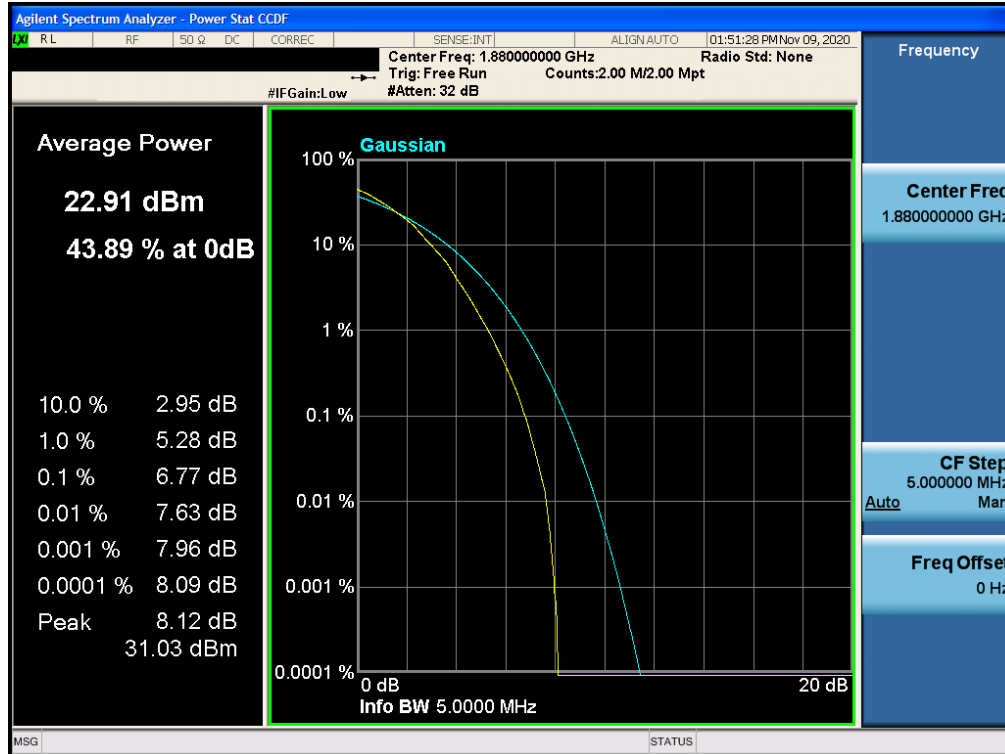


Plot 7-208. PAR Plot (LTE Band 2 - 5MHz QPSK - Full RB Configuration)

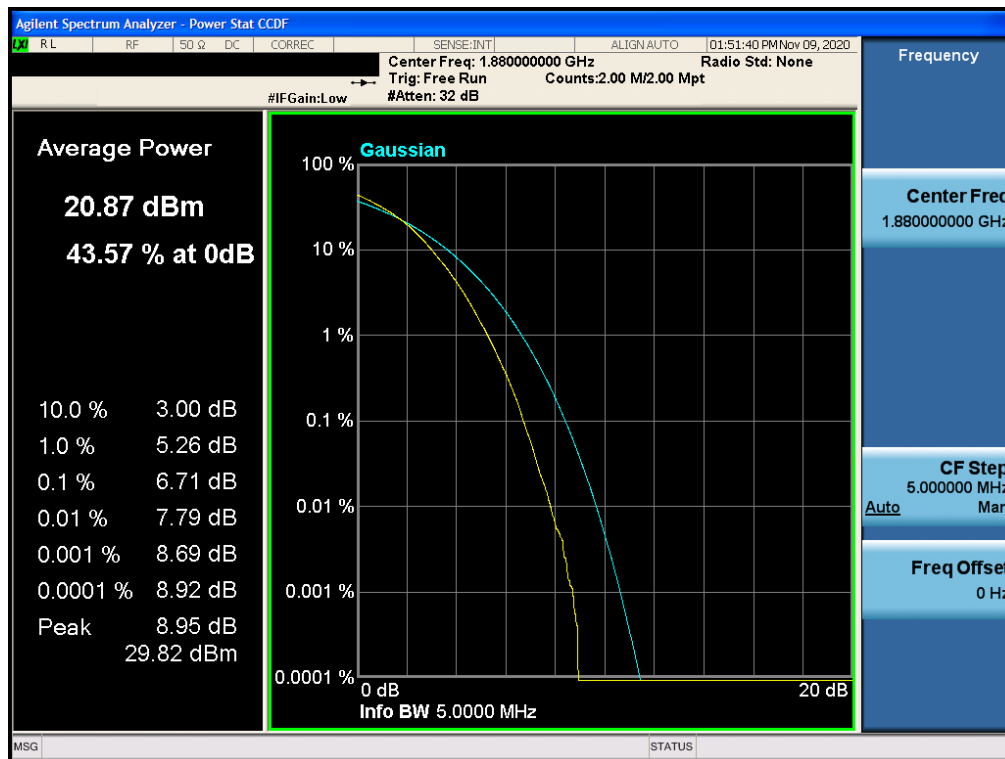


Plot 7-209. PAR Plot (LTE Band 2 - 5MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 126 of 198

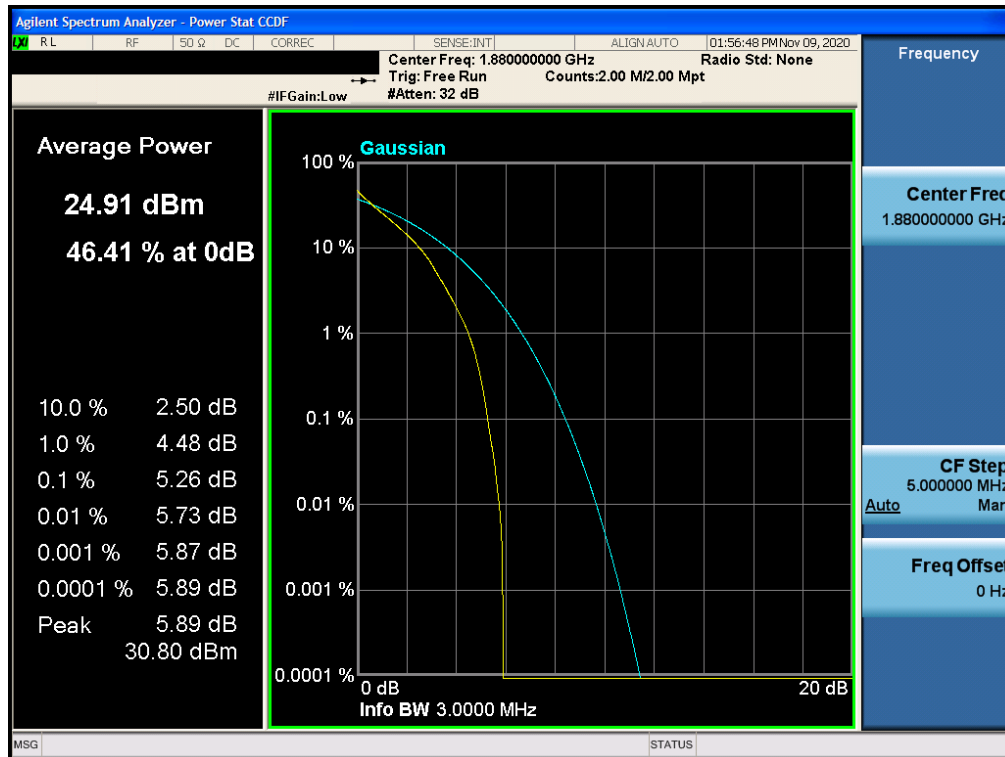


Plot 7-210. PAR Plot (LTE Band 2 - 5MHz 64-QAM - Full RB Configuration)

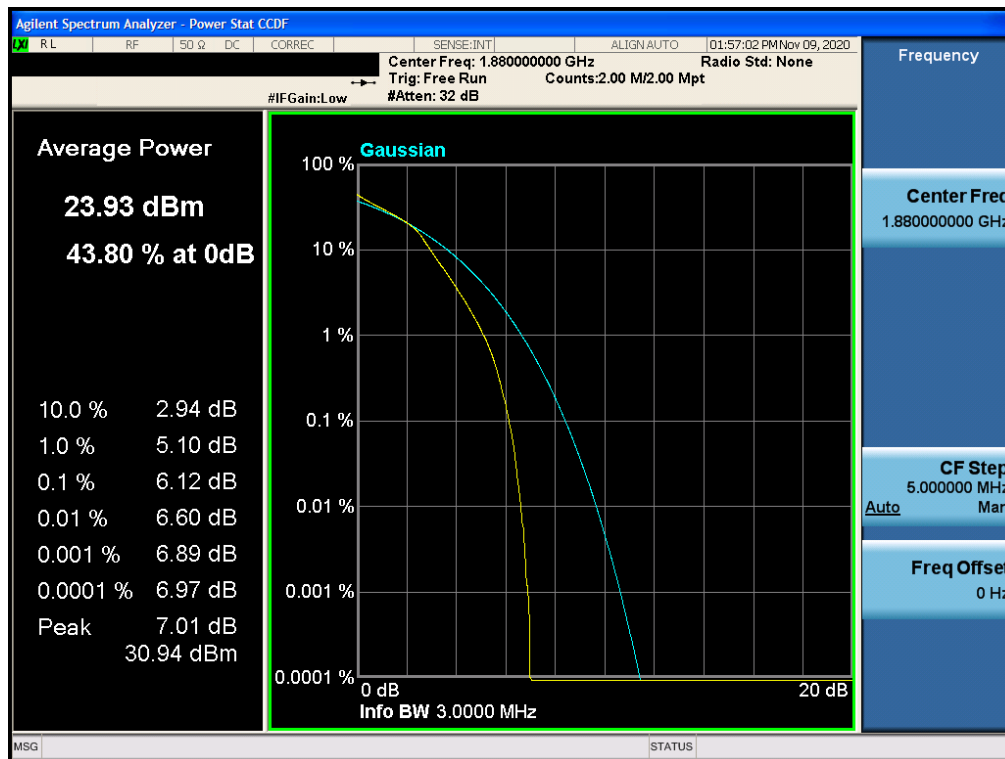


Plot 7-211. PAR Plot (LTE Band 2 - 5MHz 256-QAM - Full RB Configuration)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 127 of 198

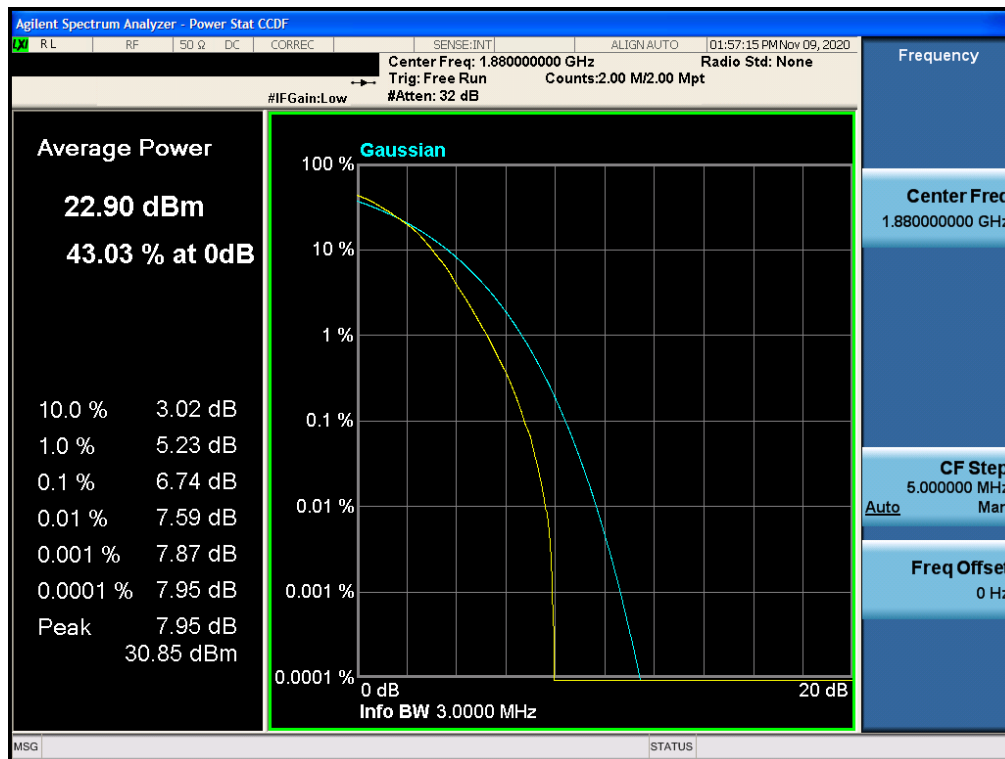


Plot 7-212. PAR Plot (LTE Band 2 - 3MHz QPSK - Full RB Configuration)

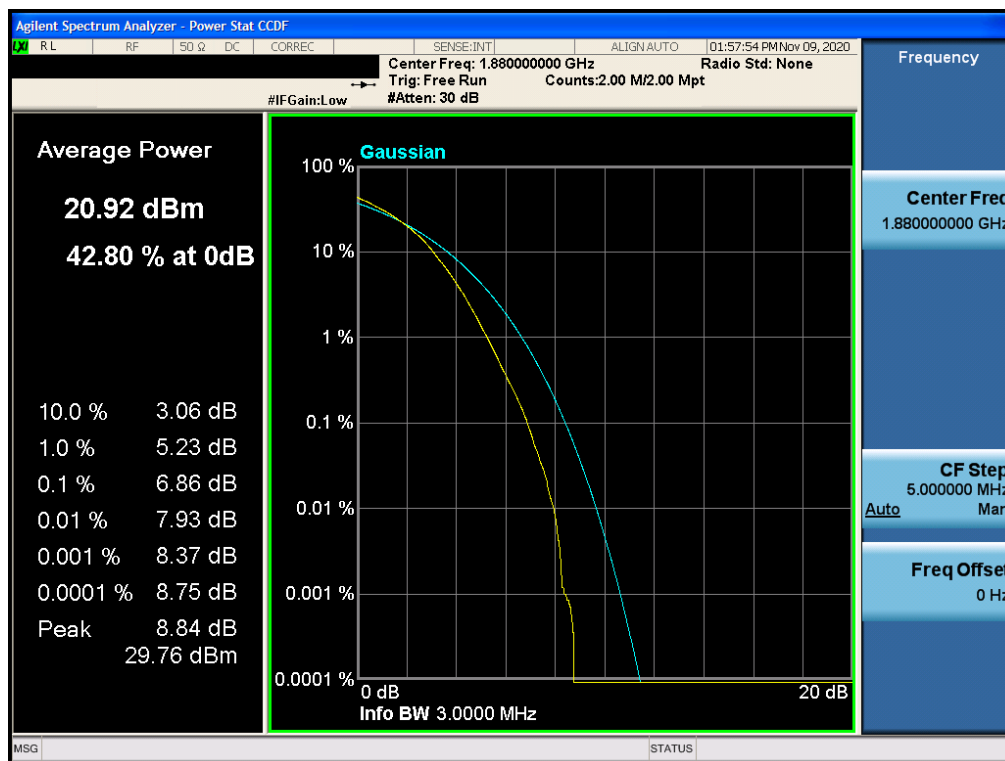


Plot 7-213. PAR Plot (LTE Band 2 - 3MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 128 of 198

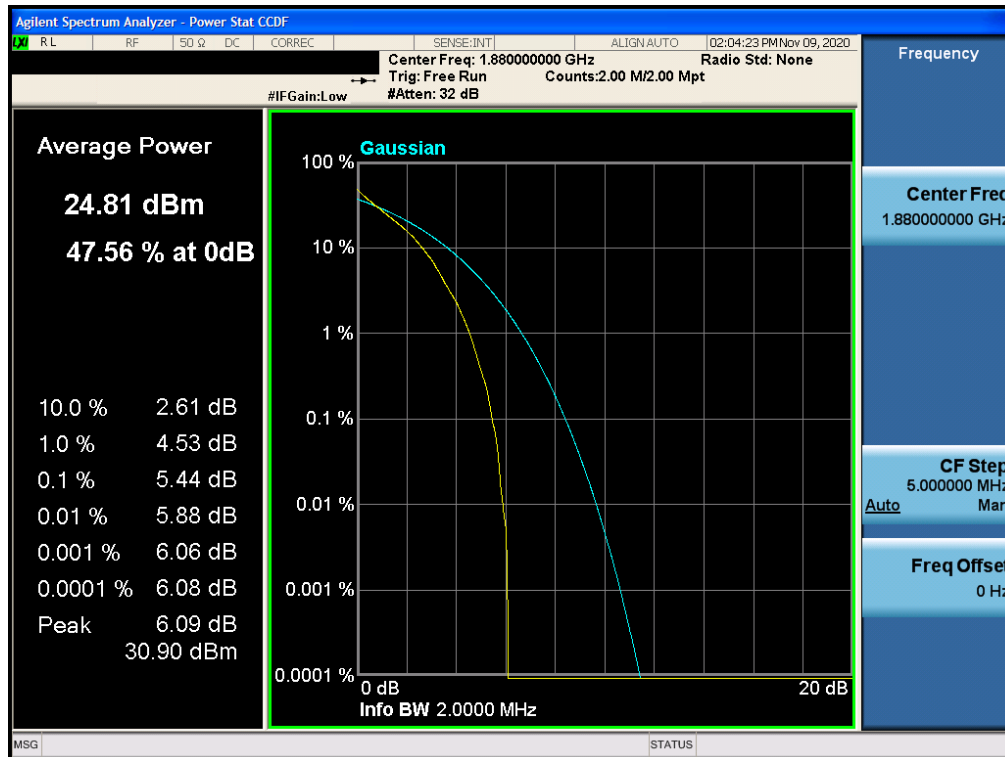


Plot 7-214. PAR Plot (LTE Band 2 - 3MHz 64-QAM - Full RB Configuration)

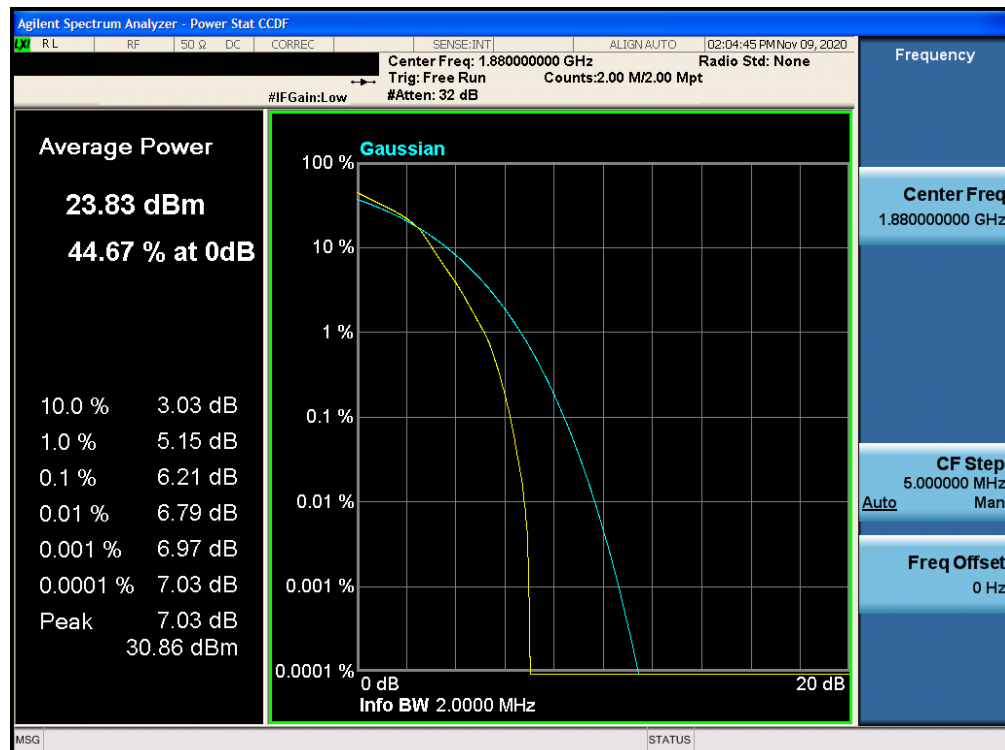


Plot 7-215. PAR Plot (LTE Band 2 - 3MHz 256-QAM - Full RB Configuration)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 129 of 198

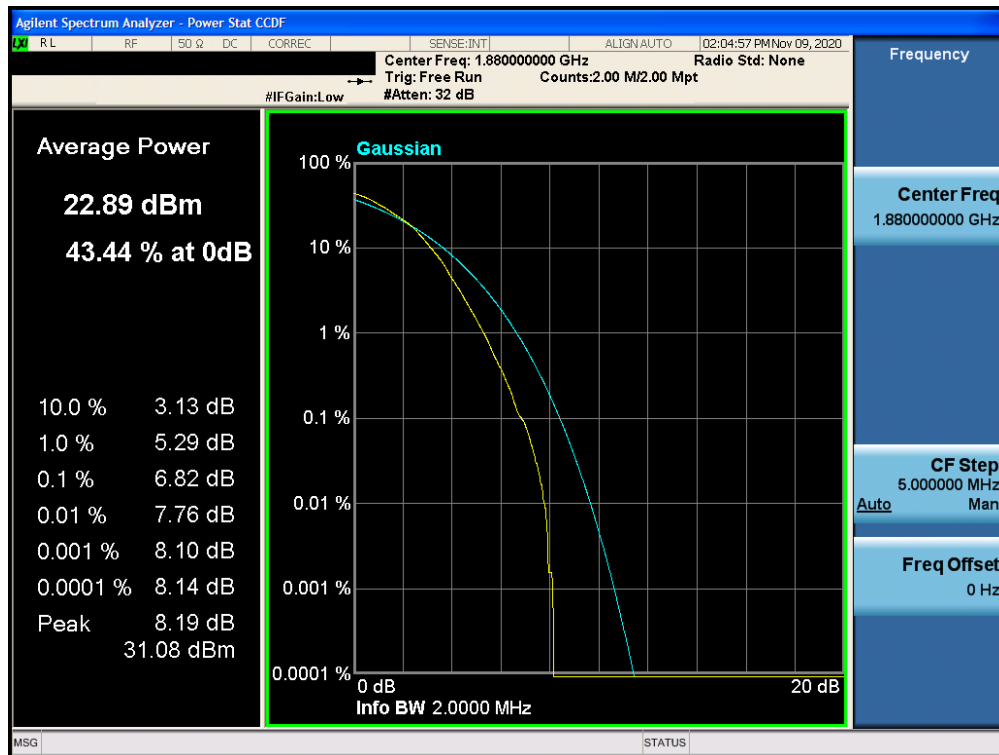


Plot 7-216. PAR Plot (LTE Band 2 - 1.4MHz QPSK - Full RB Configuration)

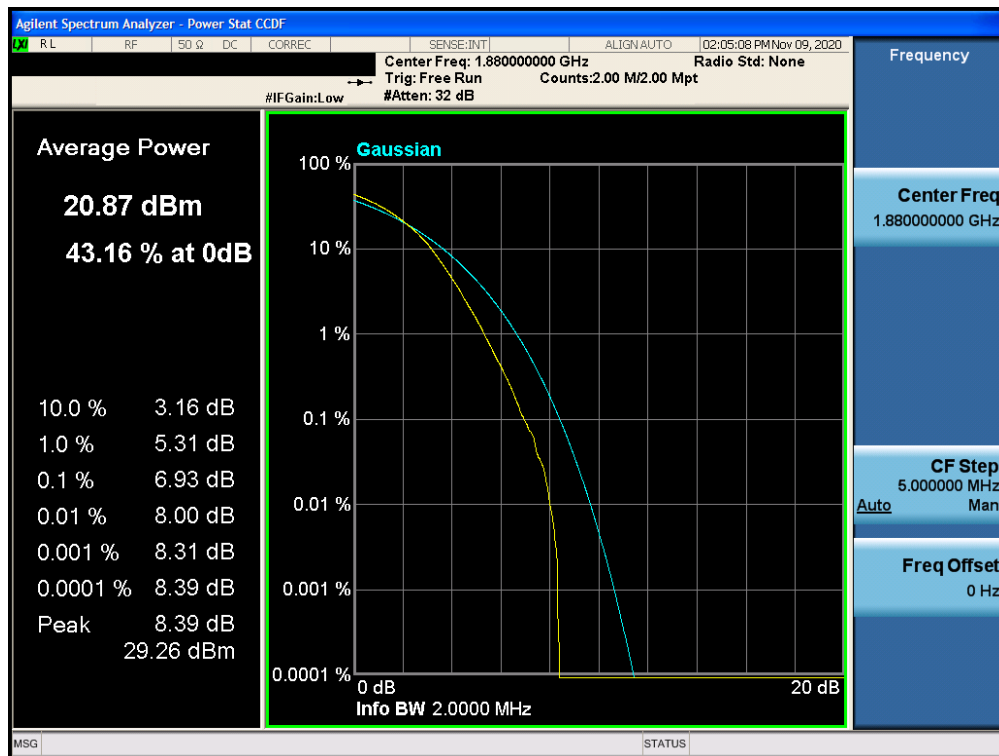


Plot 7-217. PAR Plot (LTE Band 2 - 1.4MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 130 of 198



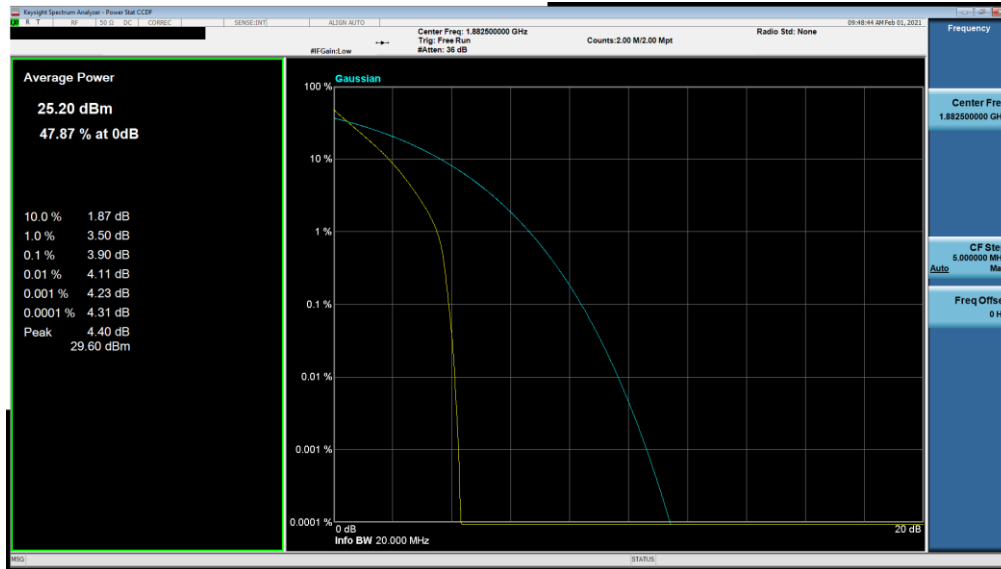
Plot 7-218. PAR Plot (LTE Band 2 - 1.4MHz 64-QAM - Full RB Configuration)



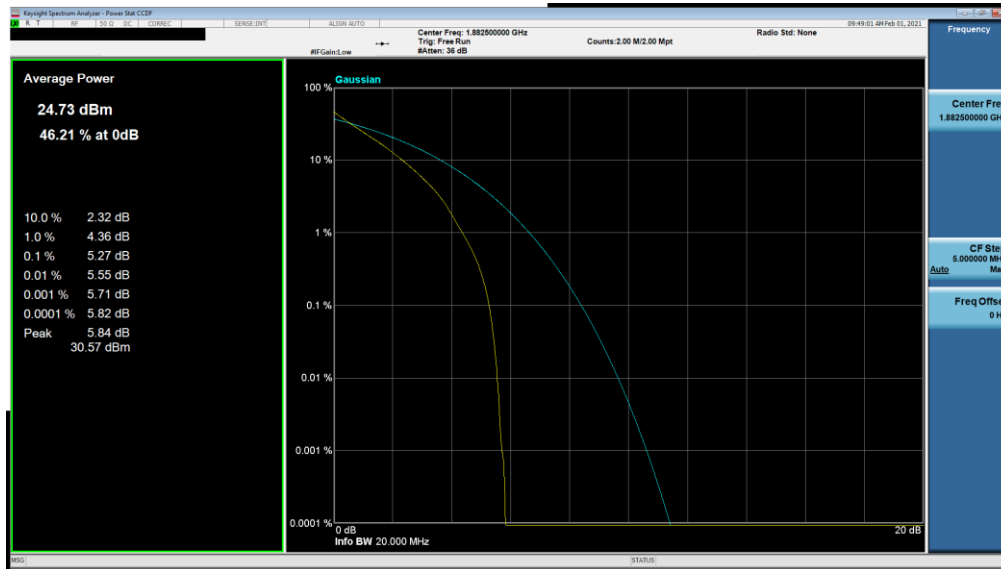
Plot 7-219. PAR Plot (LTE Band 2 - 1.4MHz 256-QAM - Full RB Configuration)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 131 of 198

NR Band n25

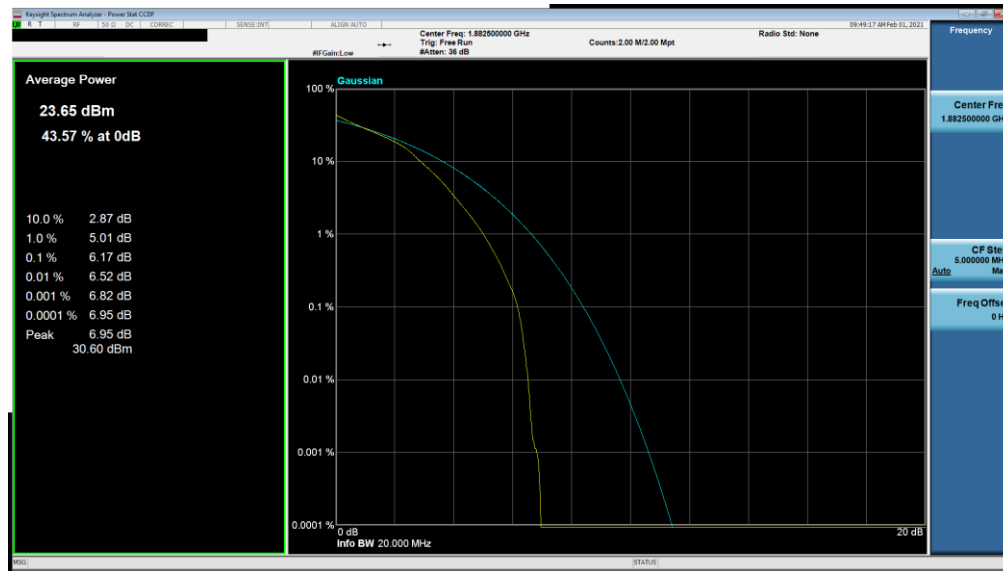


Plot 7-220. PAR Plot (NR Band n25 - 20.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

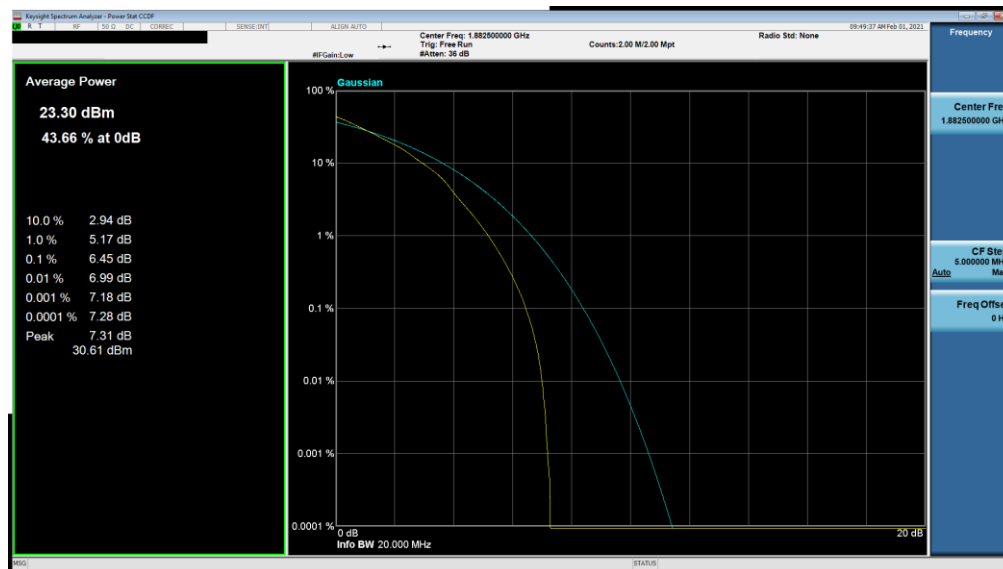


Plot 7-221. PAR Plot (NR Band n25 - 20.0MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA2379	PCTEST Proud to be part of element		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 132 of 198

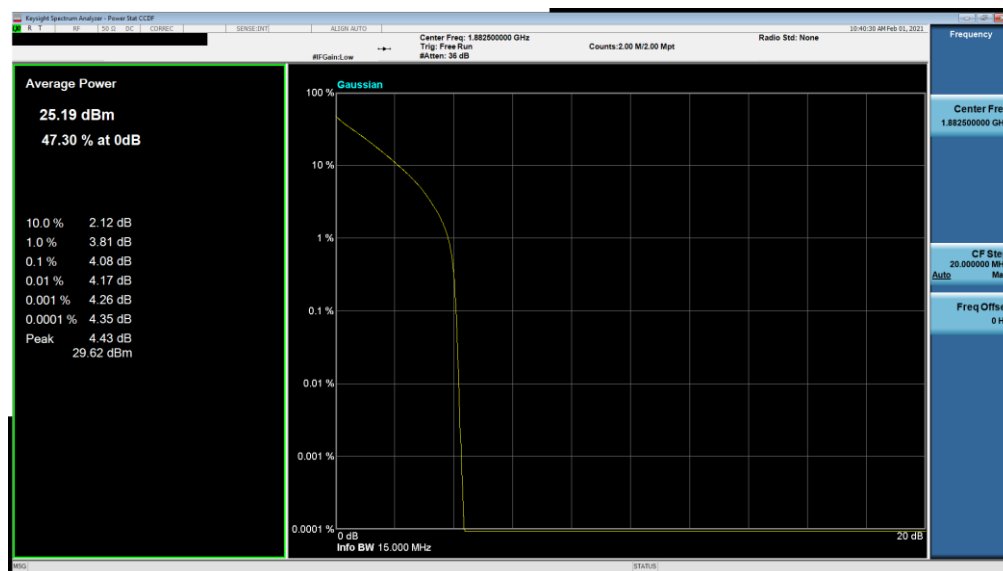
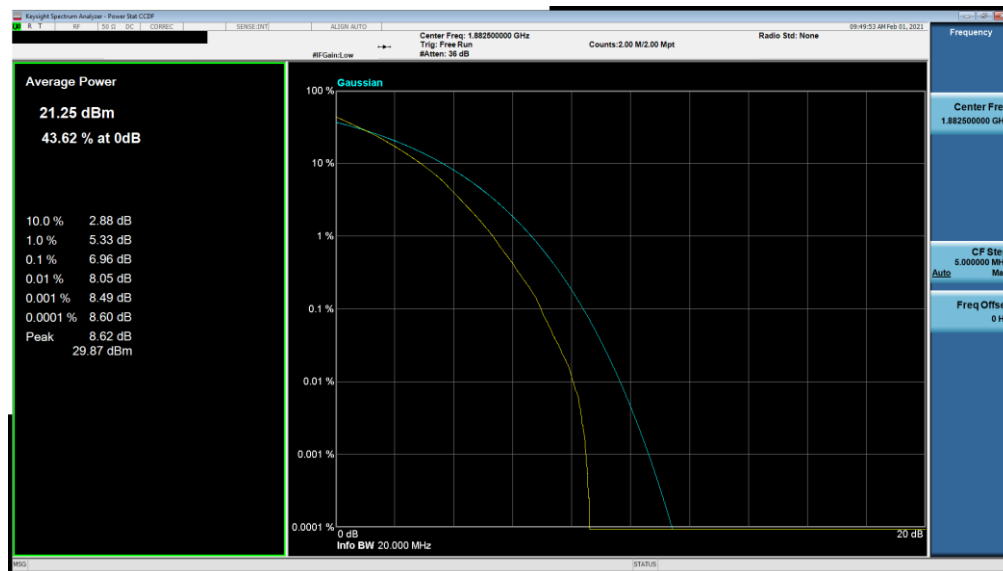


Plot 7-222. PAR Plot (NR Band n25 - 20.0MHz DFT-s-OFDM 16-QAM - Full RB)

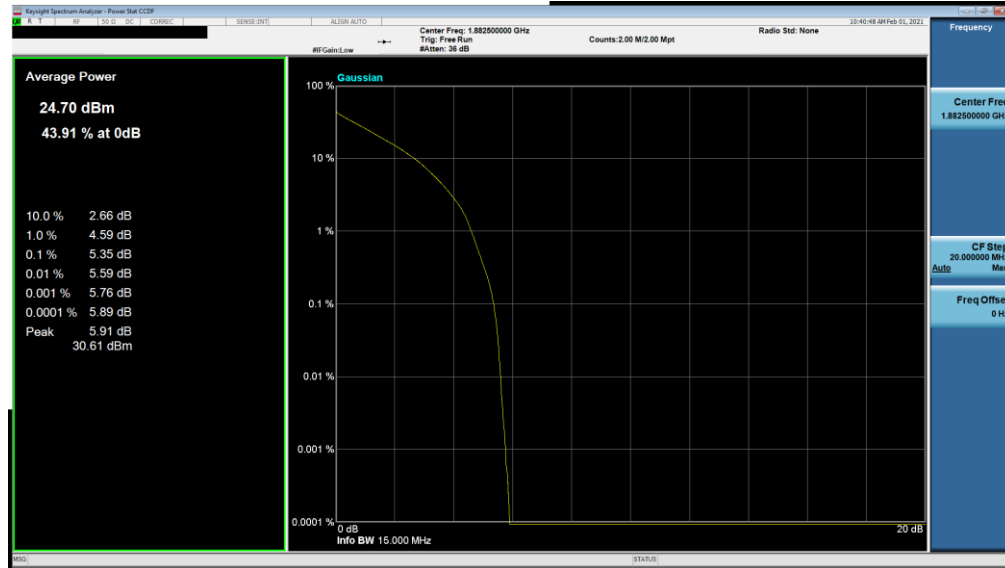


Plot 7-223. PAR Plot (NR Band n25 - 20.0MHz DFT-s-OFDM 64-QAM - Full RB)

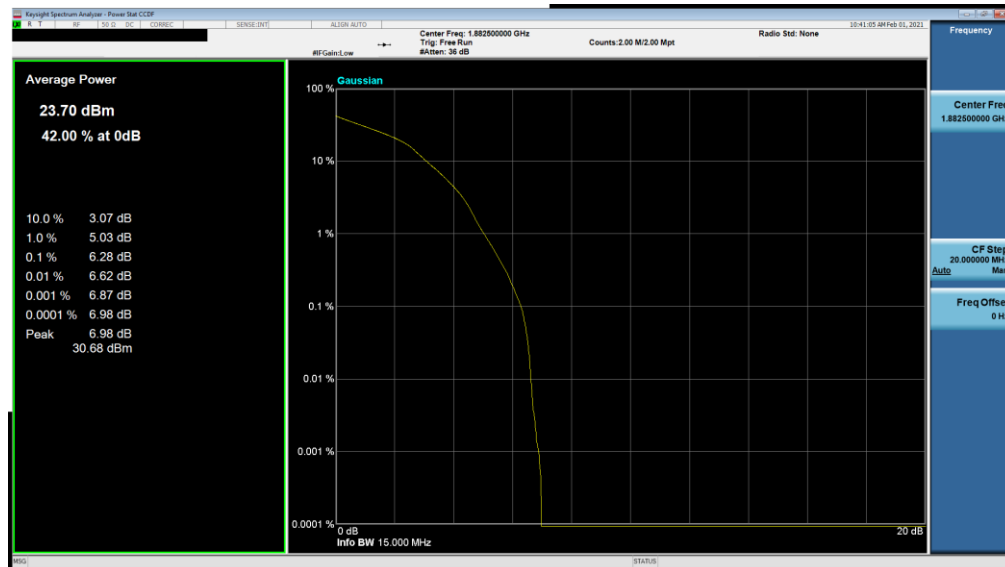
FCC ID: BCGA2379	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 133 of 198



FCC ID: BCGA2379	PCTEST Proud to be part of element		PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device		Page 134 of 198

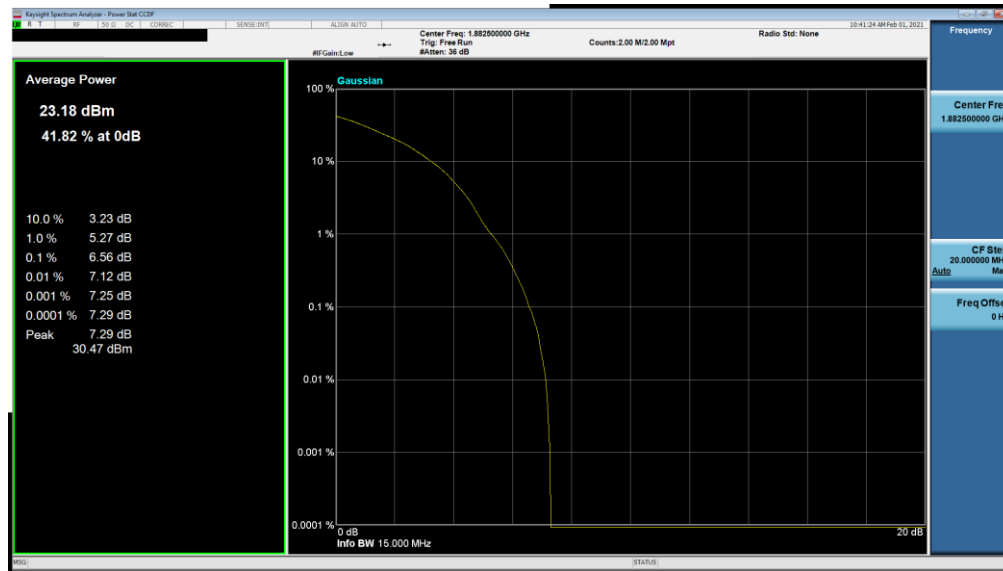


Plot 7-226. PAR Plot (NR Band n25 - 15.0MHz DFT-s-OFDM QPSK - Full RB)

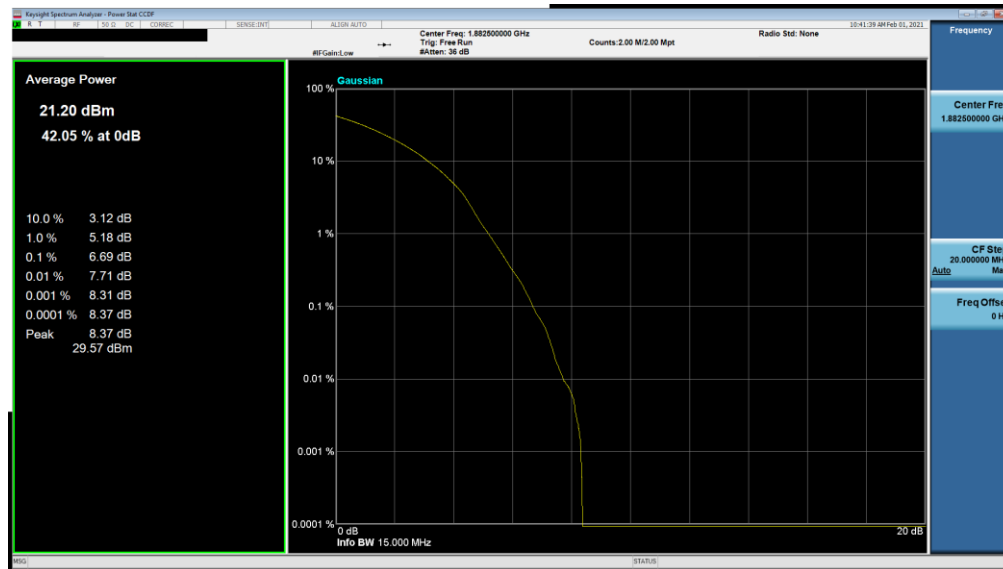


Plot 7-227. PAR Plot (NR Band n25 - 15.0MHz DFT-s-OFDM 16-QAM - Full RB)

FCC ID: BCGA2379	PCTEST Proud to be part of element		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 135 of 198

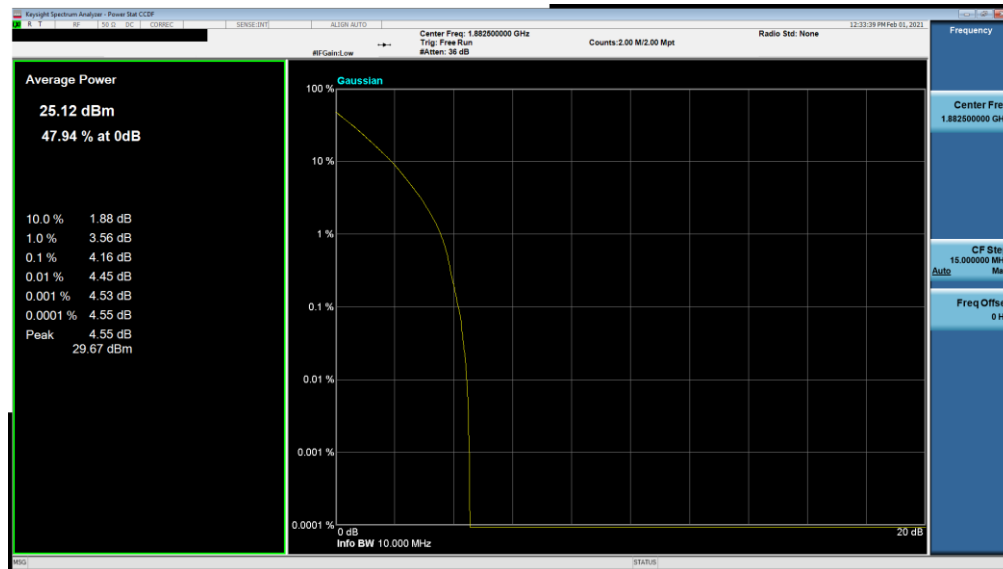


Plot 7-228. PAR Plot (NR Band n25 - 15.0MHz DFT-s-OFDM 64-QAM - Full RB)

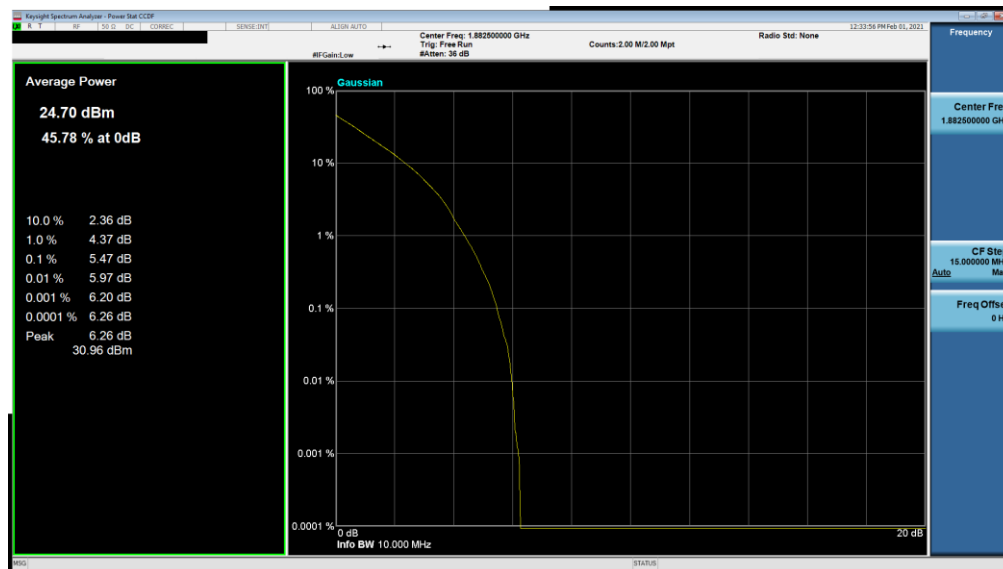


Plot 7-229. PAR Plot (NR Band n25 - 15.0MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA2379	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 136 of 198

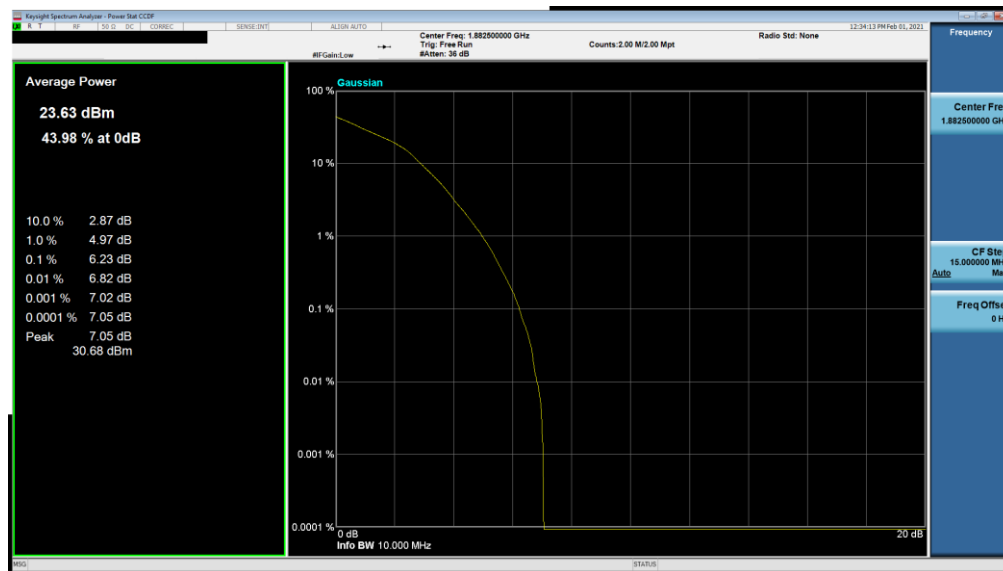


Plot 7-230. PAR Plot (NR Band n25 - 10.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

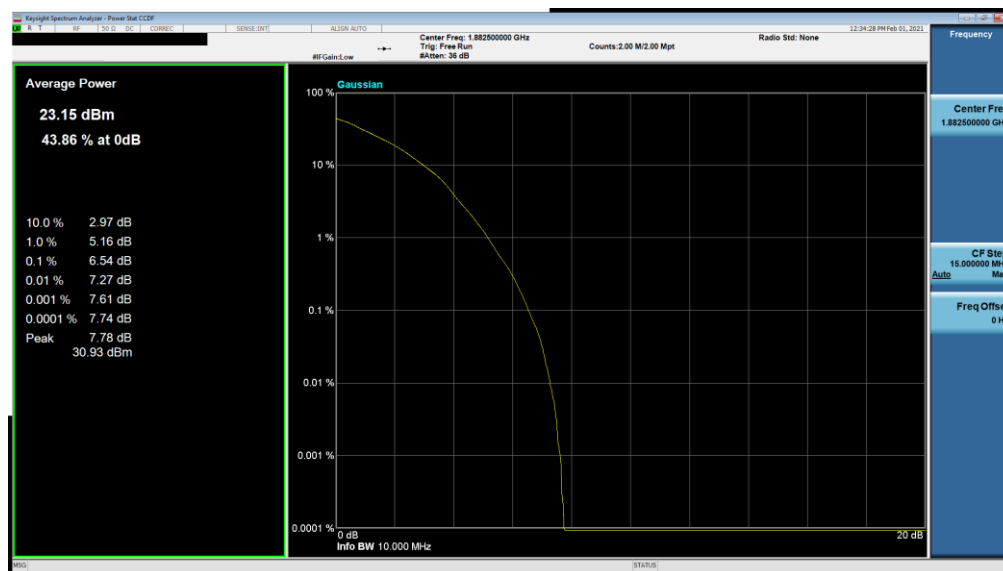


Plot 7-231. PAR Plot (NR Band n25 - 10.0MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA2379	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 137 of 198

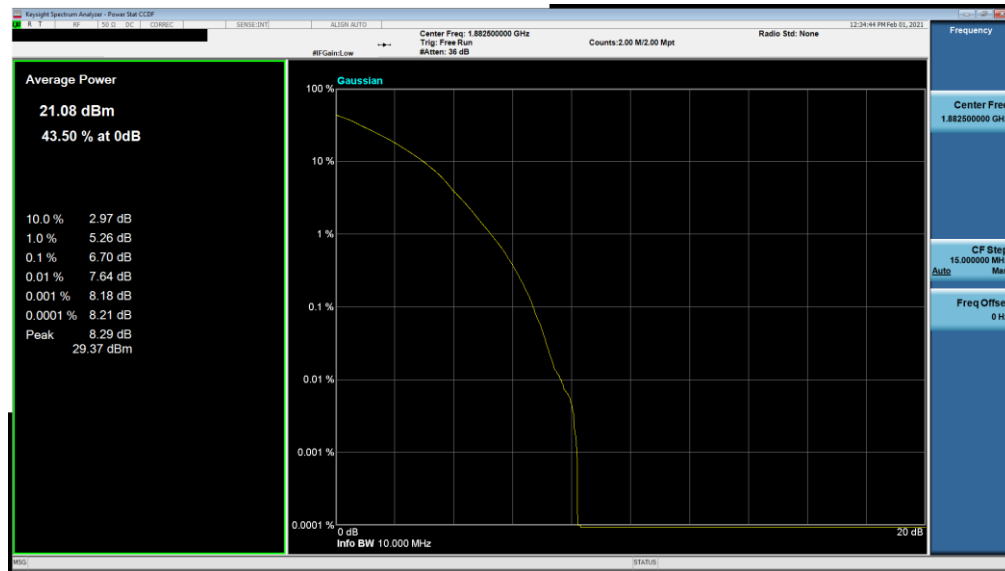


Plot 7-232. PAR Plot (NR Band n25 - 10.0MHz DFT-s-OFDM 16-QAM - Full RB)

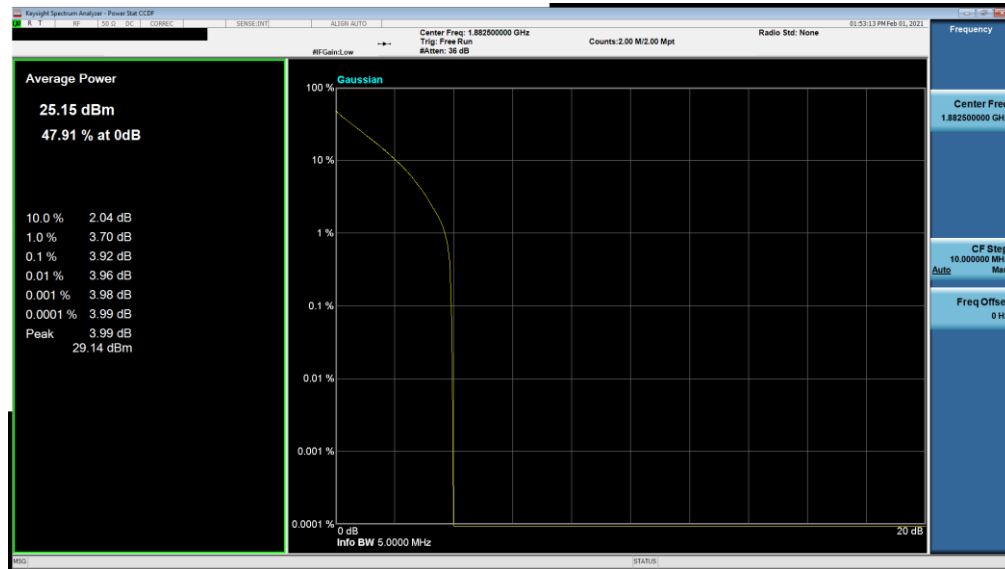


Plot 7-233. PAR Plot (NR Band n25 - 10.0MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCGA2379	PCTEST Proud to be part of element		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 138 of 198

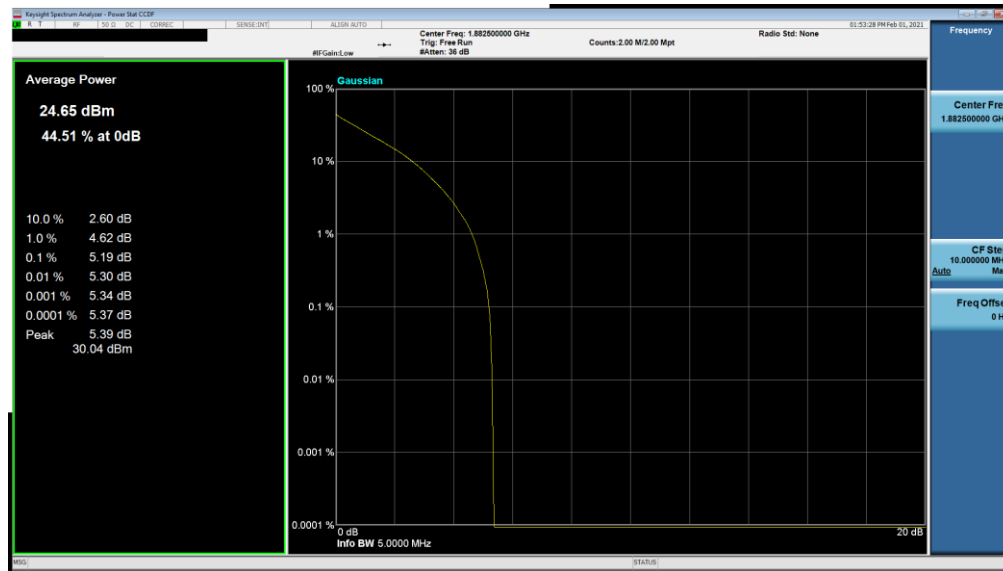


Plot 7-234. PAR Plot (NR Band n25 - 10.0MHz DFT-s-OFDM 256-QAM - Full RB)

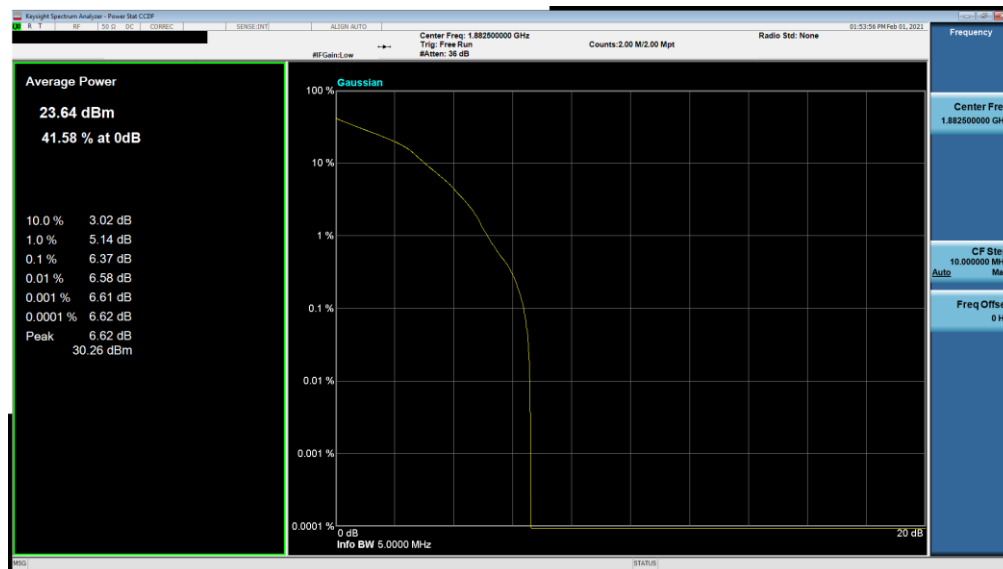


Plot 7-235. PAR Plot (NR Band n25 - 5.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

FCC ID: BCGA2379	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 139 of 198

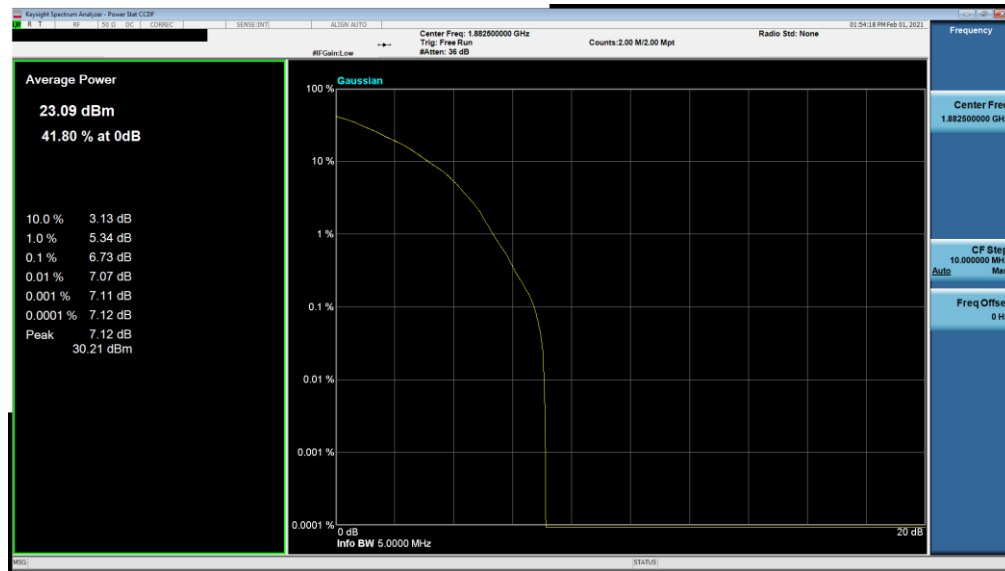


Plot 7-236. PAR Plot (NR Band n25 - 5.0MHz DFT-s-OFDM QPSK - Full RB)

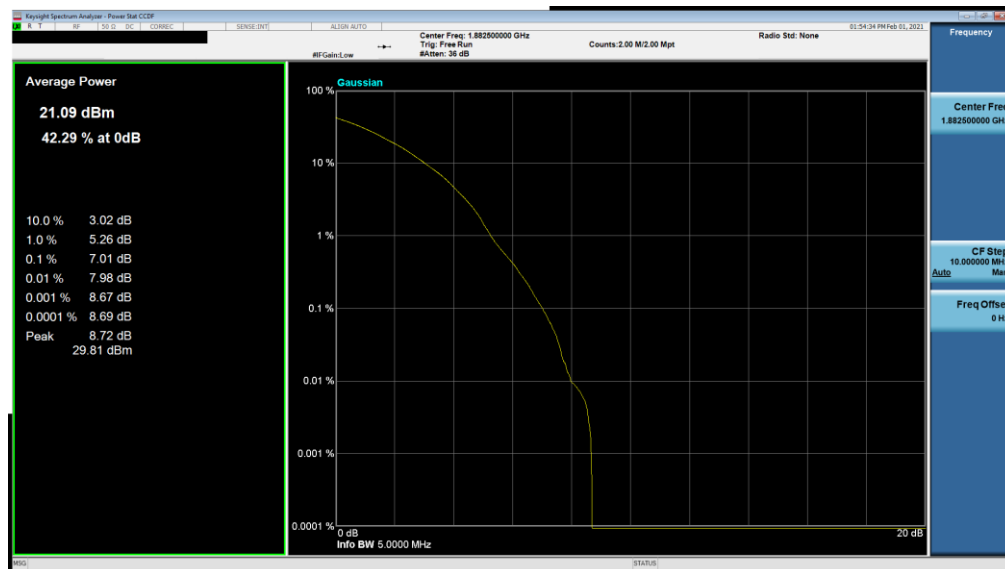


Plot 7-237. PAR Plot (NR Band n25 - 5.0MHz DFT-s-OFDM 16-QAM - Full RB)

FCC ID: BCGA2379	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 140 of 198



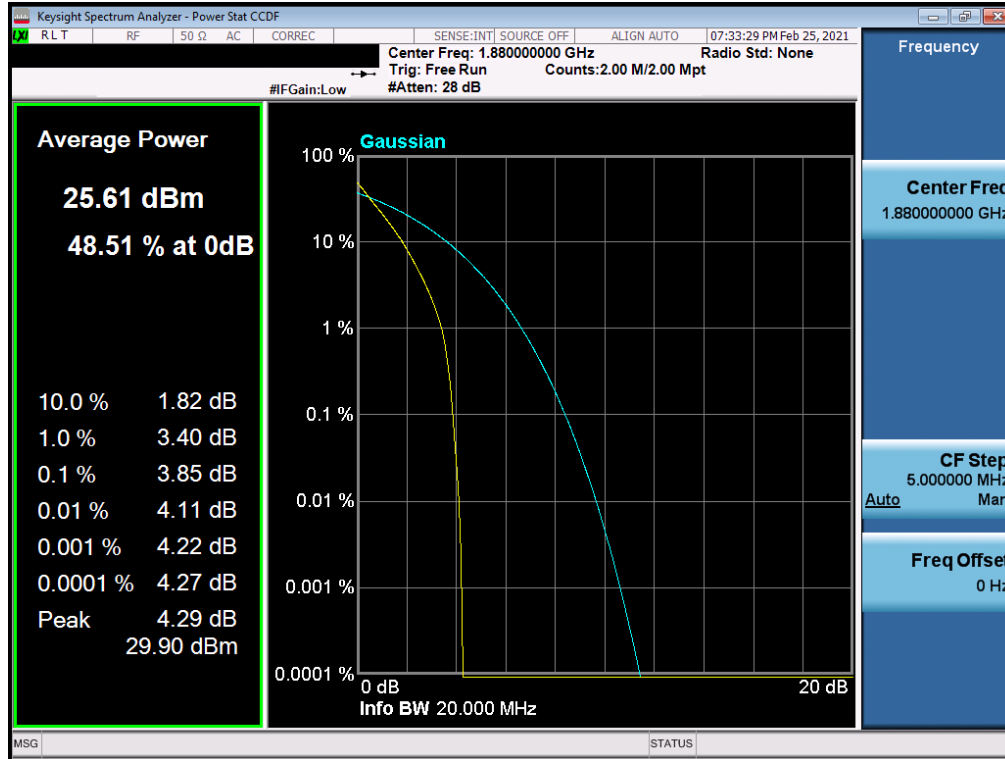
Plot 7-238. PAR Plot (NR Band n25 - 5.0MHz DFT-s-OFDM 64-QAM - Full RB)



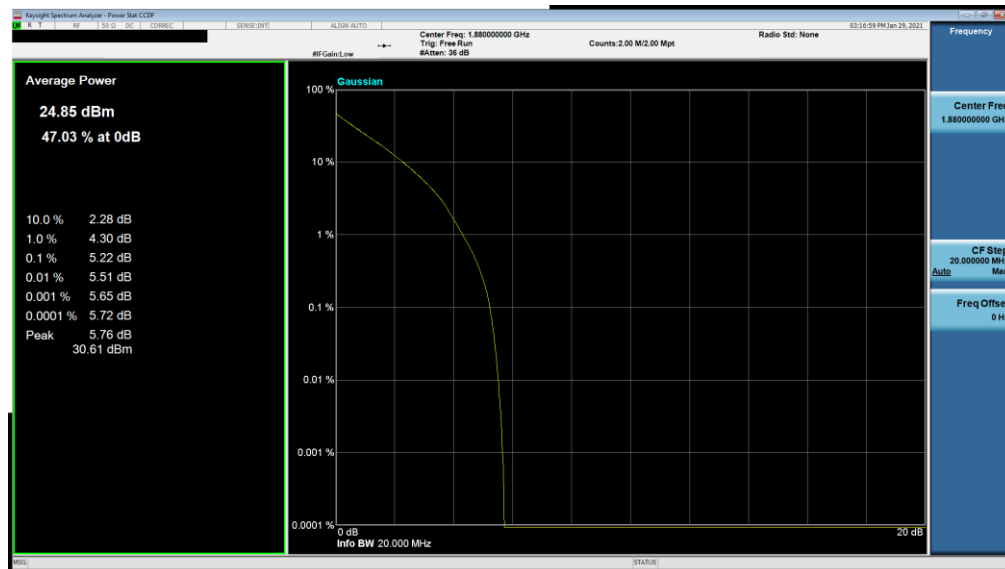
Plot 7-239. PAR Plot (NR Band n25 - 5.0MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA2379	PCTEST Proud to be part of element		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 141 of 198

NR Band n2

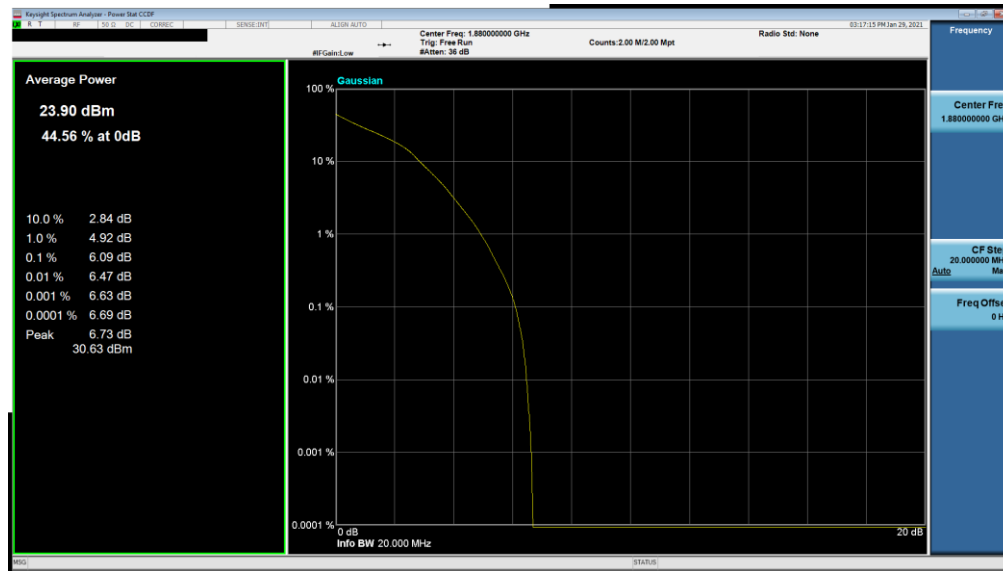


Plot 7-240. PAR Plot (NR Band n2 - 20.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

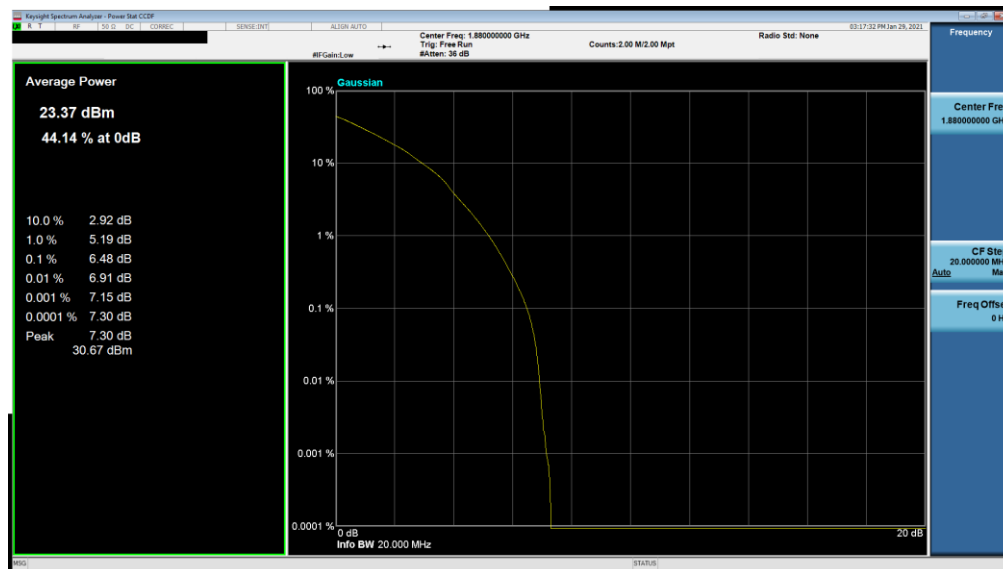


Plot 7-241. PAR Plot (NR Band n2 - 20.0MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA2379	PCTEST Proud to be part of element PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 142 of 198

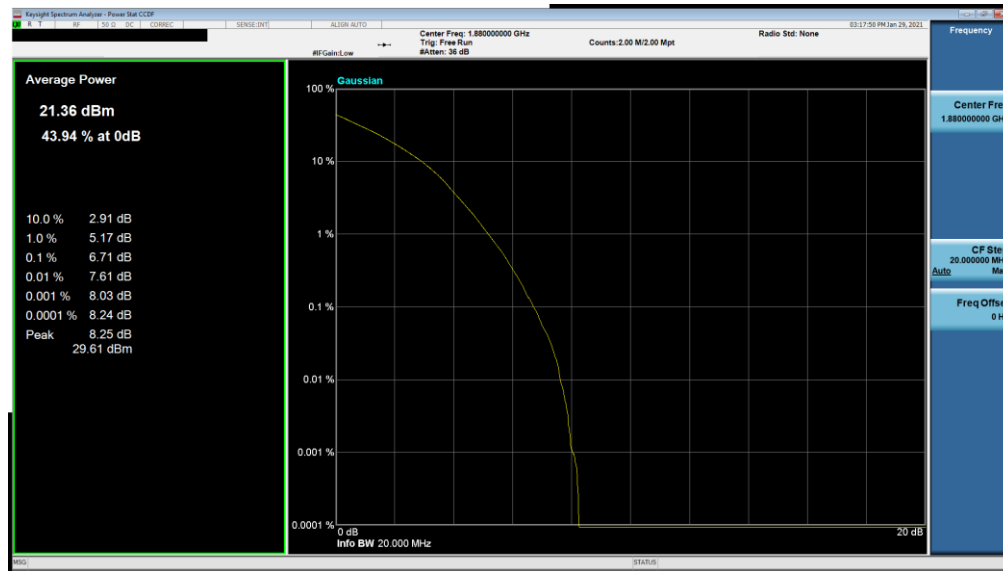


Plot 7-242. PAR Plot (NR Band n2 - 20.0MHz DFT-s-OFDM 16-QAM - Full RB)

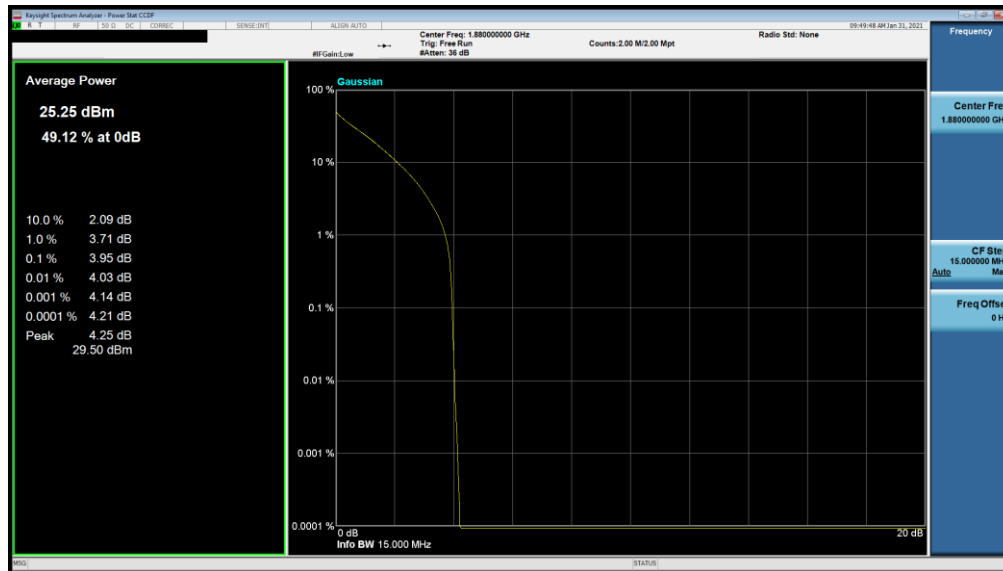


Plot 7-243. PAR Plot (NR Band n2 - 20.0MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCGA2379	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 143 of 198

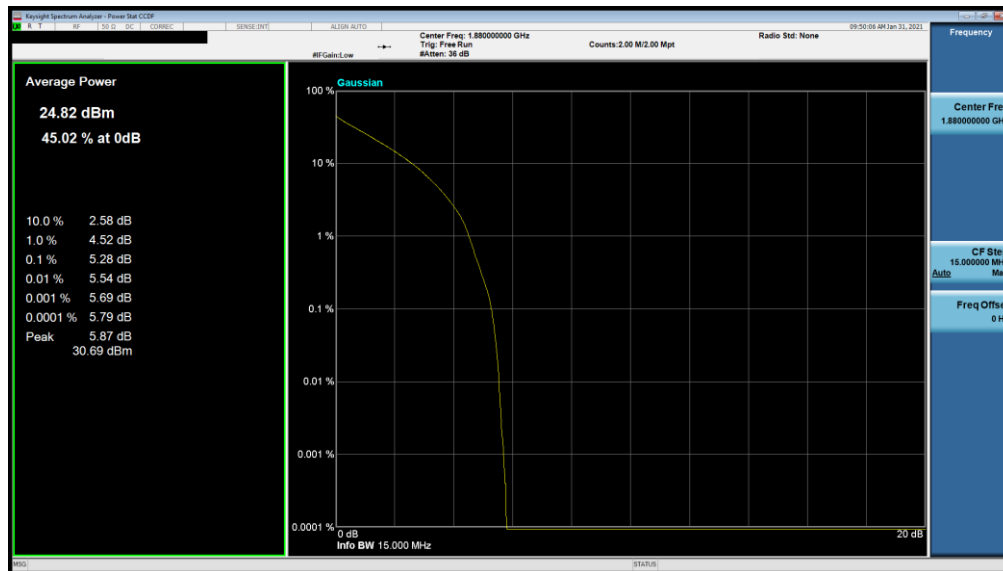


Plot 7-244. PAR Plot (NR Band n2 - 20.0MHz DFT-s-OFDM 256-QAM - Full RB)

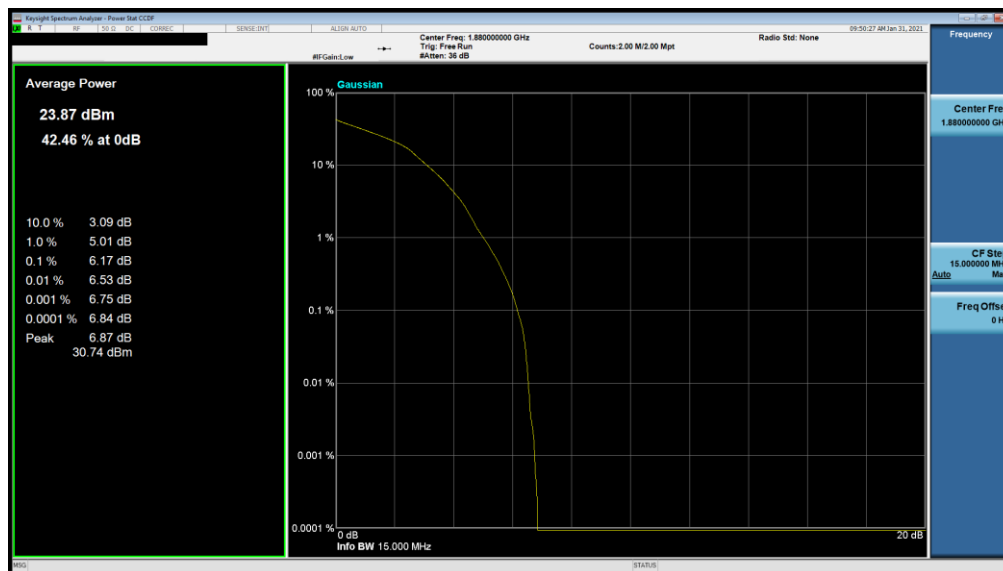


Plot 7-245. PAR Plot (NR Band n2 - 15.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

FCC ID: BCGA2379	PCTEST Proud to be part of element		PART 24 MEASUREMENT REPORT Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 144 of 198

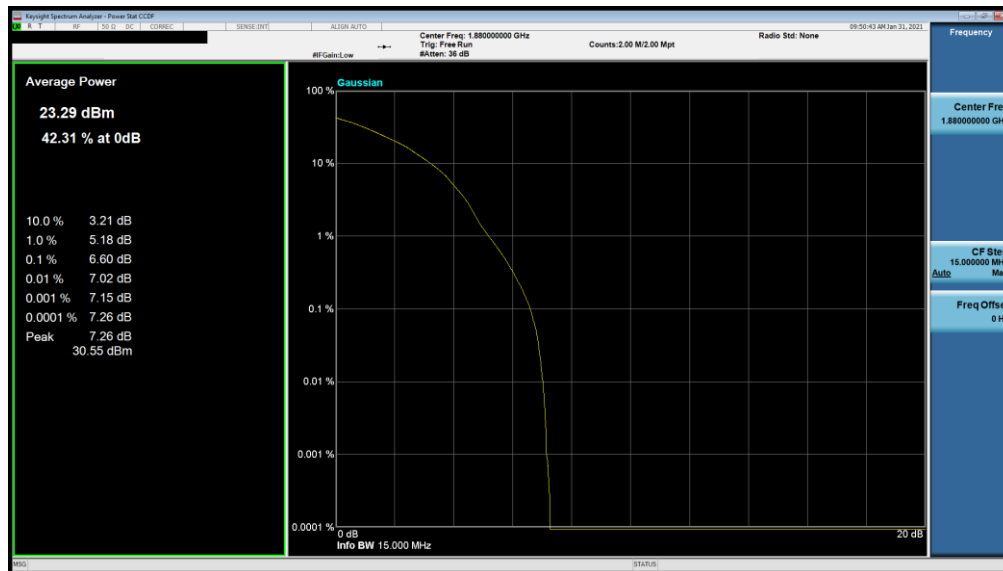


Plot 7-246. PAR Plot (NR Band n2 - 15.0MHz DFT-s-OFDM QPSK - Full RB)

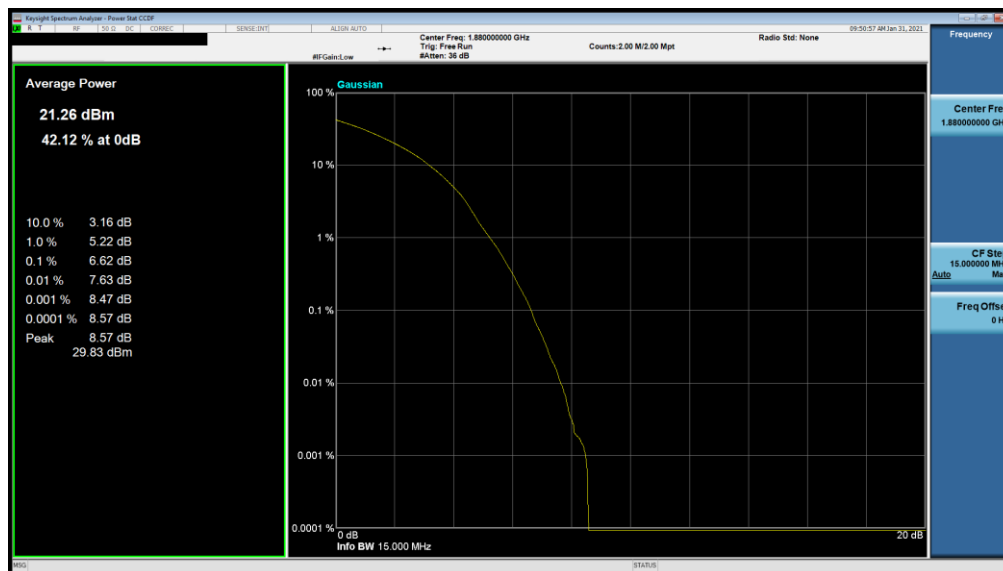


Plot 7-247. PAR Plot (NR Band n2 - 15.0MHz DFT-s-OFDM 16-QAM - Full RB)

FCC ID: BCGA2379	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 145 of 198

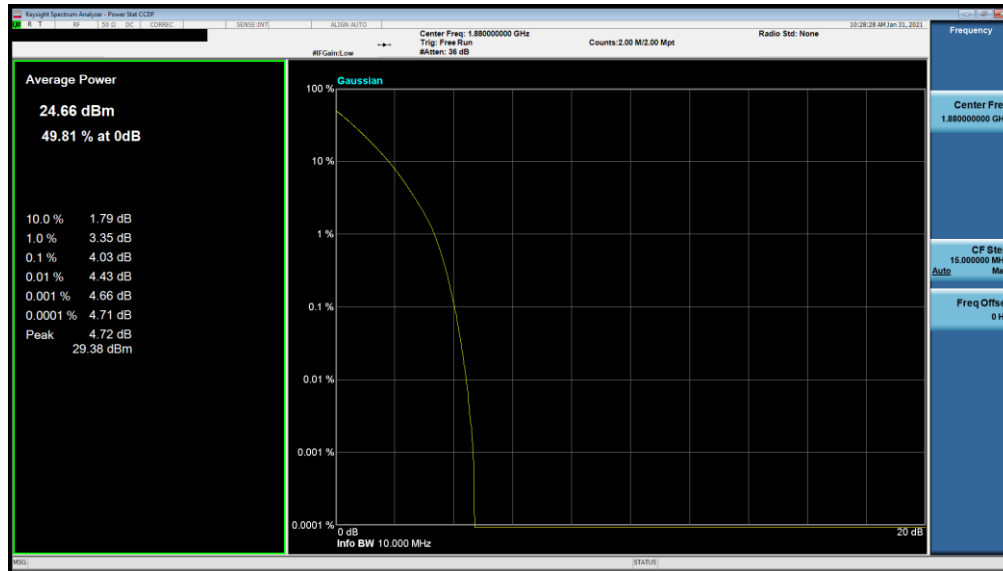


Plot 7-248. PAR Plot (NR Band n2 - 15.0MHz DFT-s-OFDM 64-QAM - Full RB)

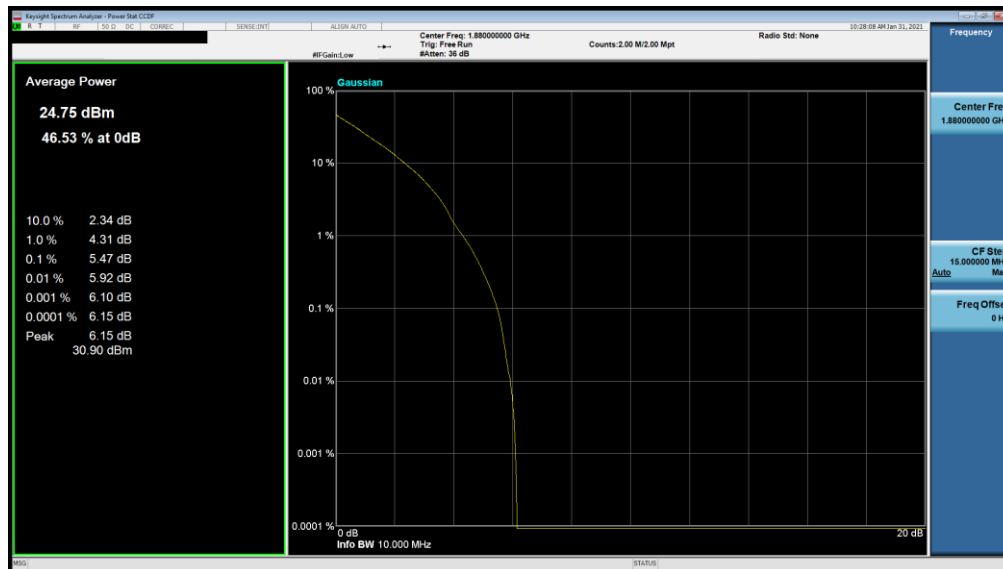


Plot 7-249. PAR Plot (NR Band n2 - 15.0MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA2379	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 146 of 198

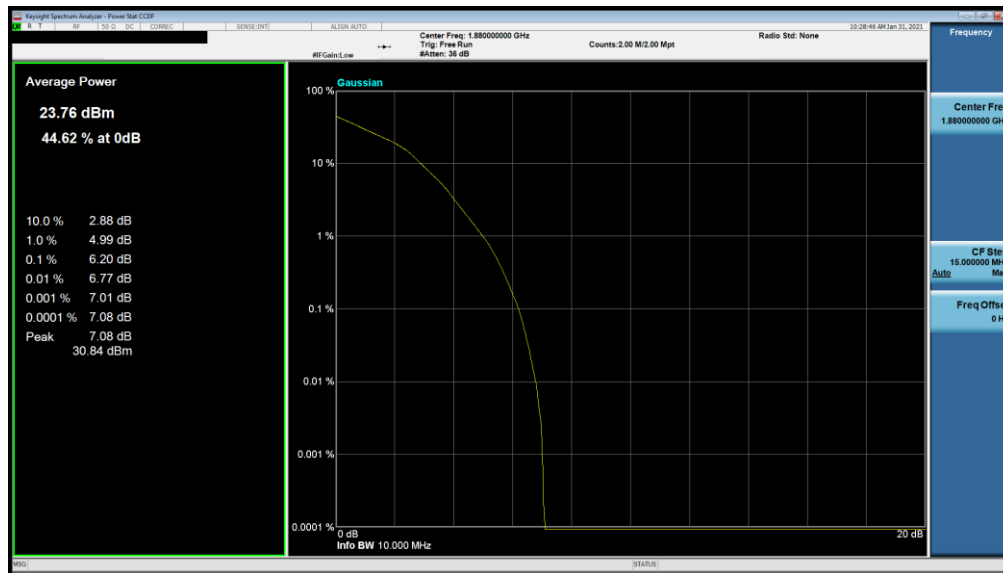


Plot 7-250. PAR Plot (NR Band n2 - 10.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

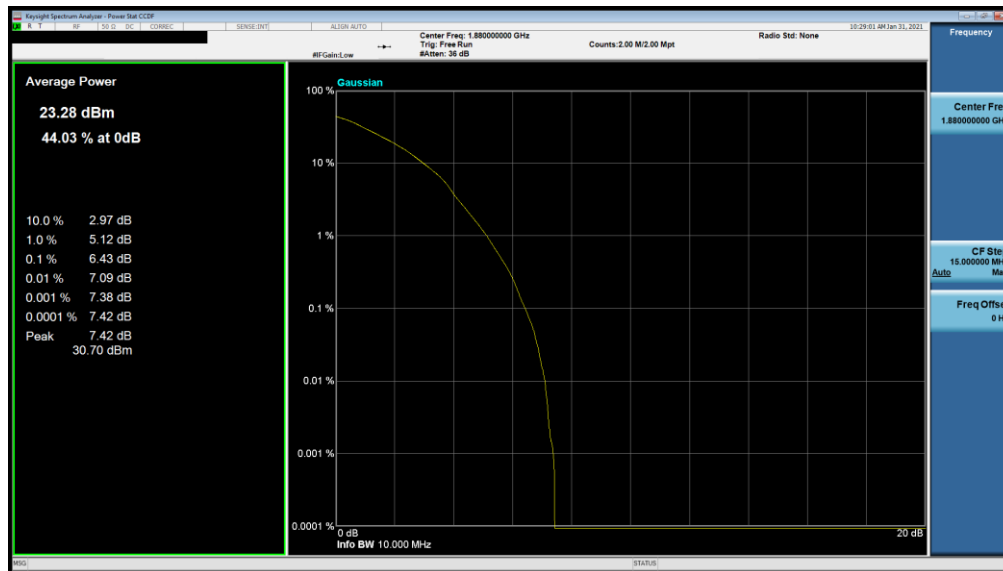


Plot 7-251. PAR Plot (NR Band n2 - 10.0MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA2379	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 147 of 198

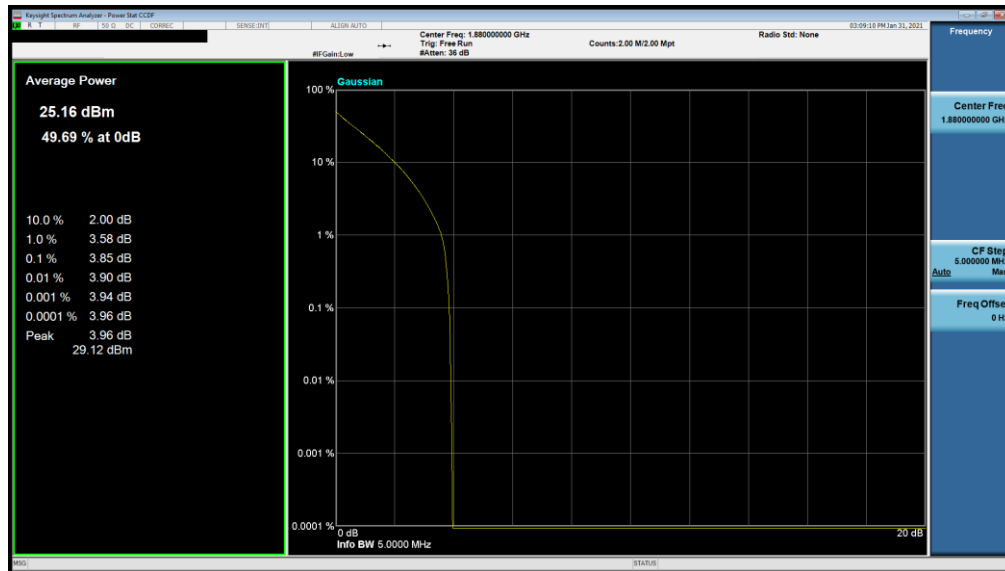
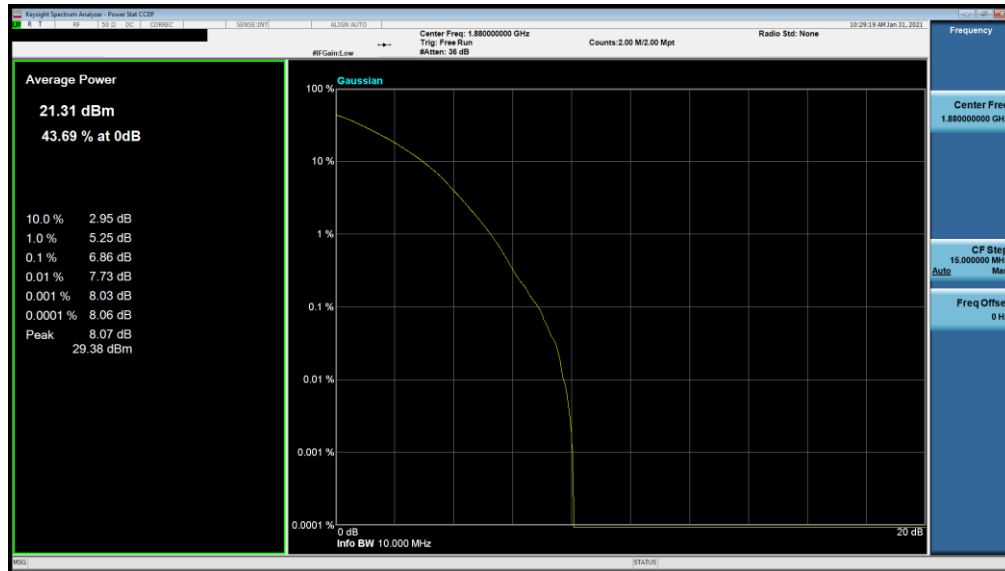


Plot 7-252. PAR Plot (NR Band n2 - 10.0MHz DFT-s-OFDM 16-QAM - Full RB)

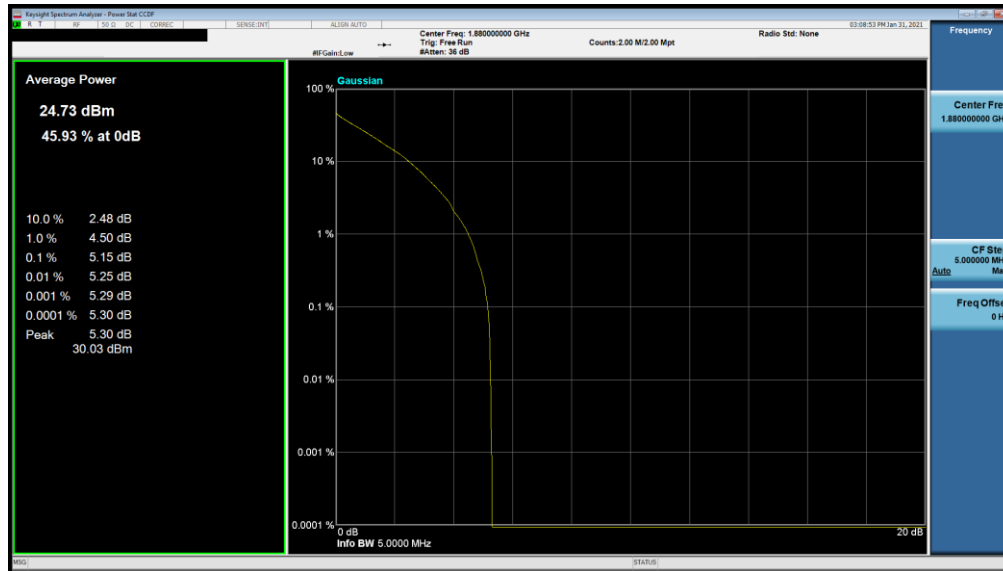


Plot 7-253. PAR Plot (NR Band n2 - 10.0MHz DFT-s-OFDM 64-QAM - Full RB)

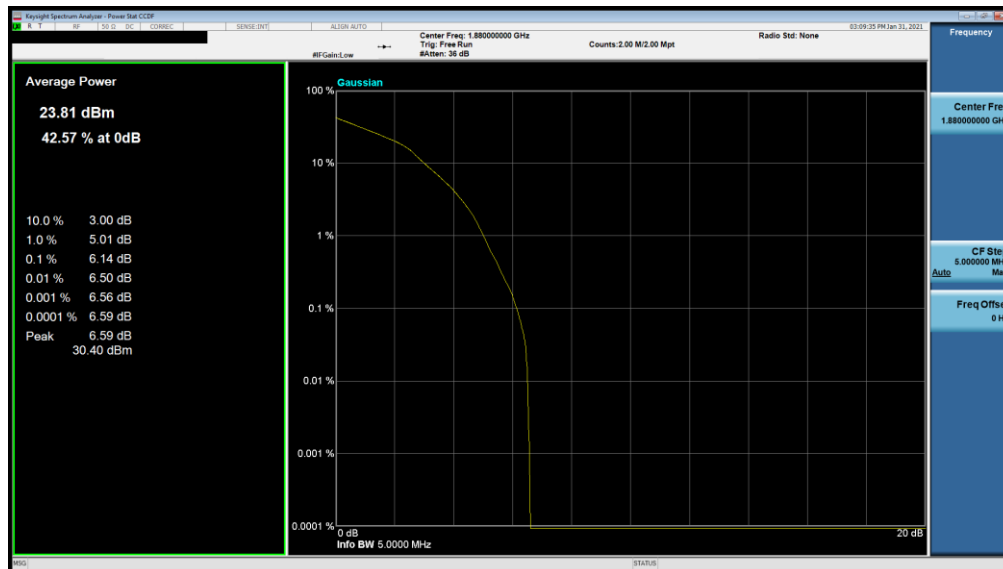
FCC ID: BCGA2379	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
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FCC ID: BCGA2379	PCTEST Proud to be part of element		PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device		Page 149 of 198

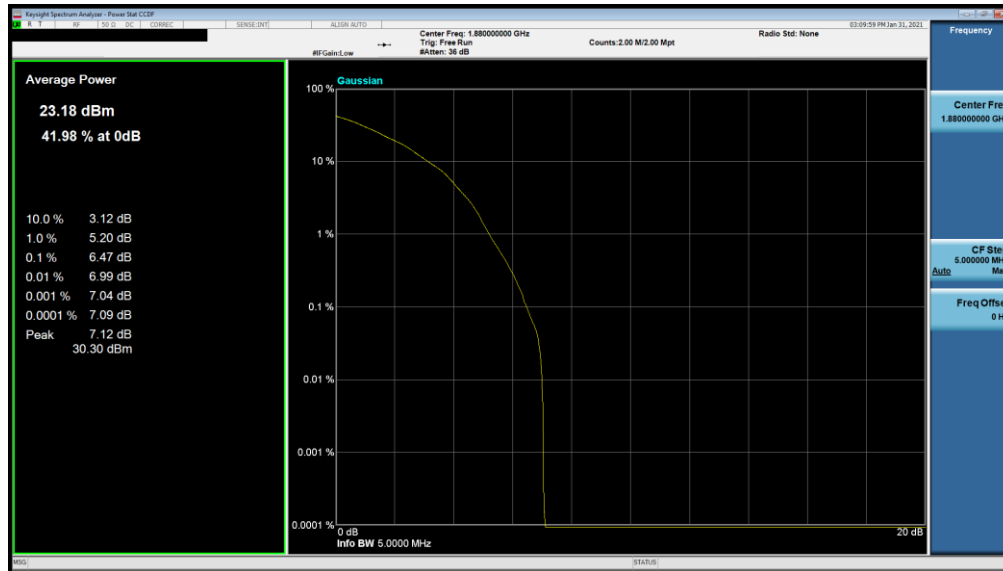


Plot 7-256. PAR Plot (NR Band n2 - 5.0MHz DFT-s-OFDM QPSK - Full RB)

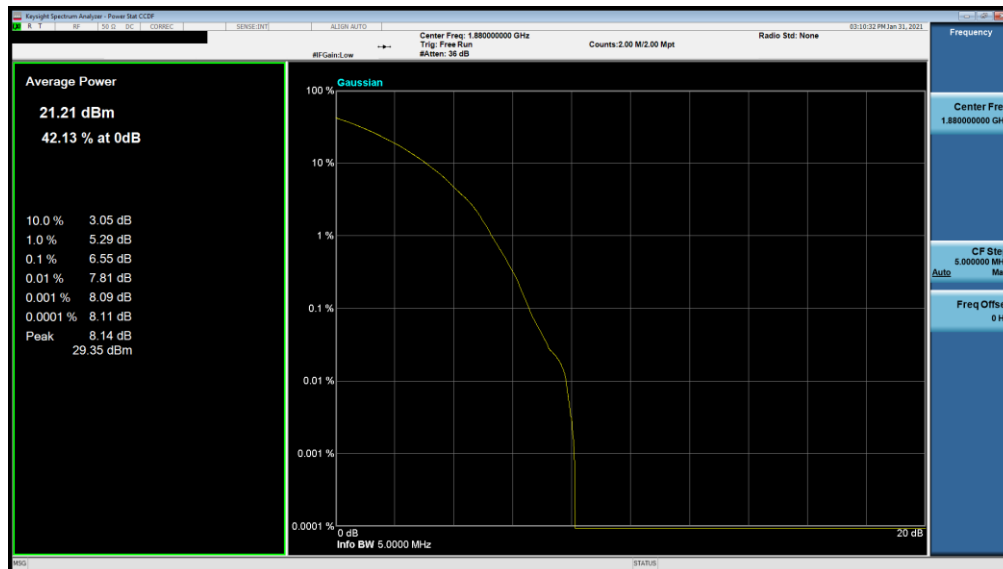


Plot 7-257. PAR Plot (NR Band n2 - 5.0MHz DFT-s-OFDM 16-QAM - Full RB)

FCC ID: BCGA2379	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
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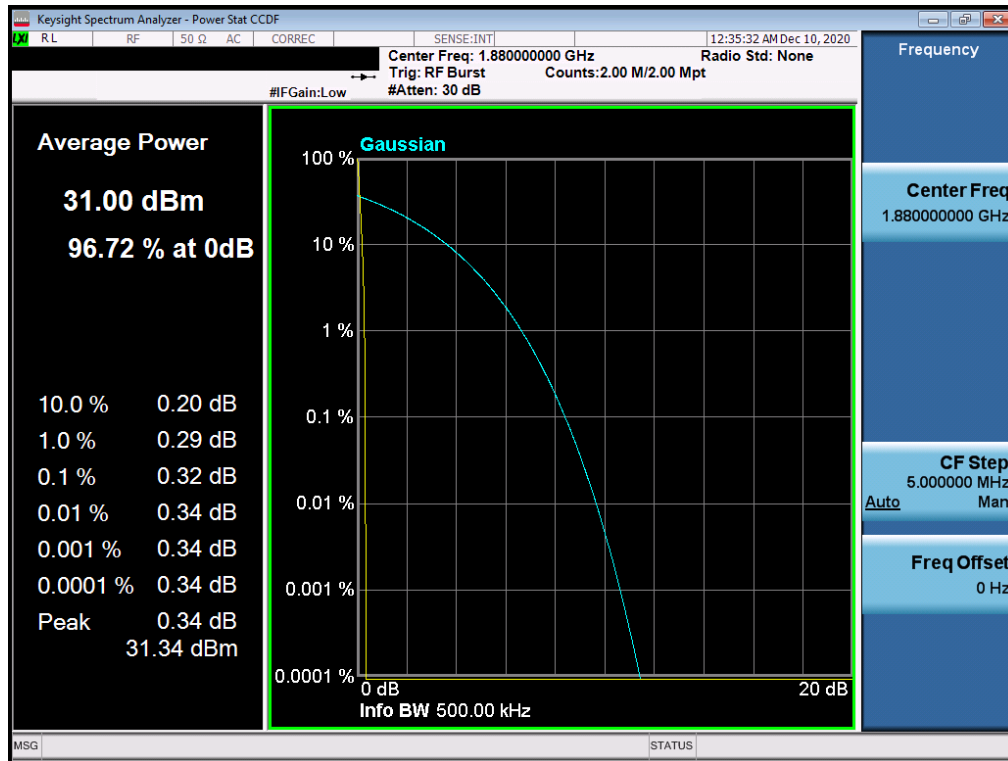
Plot 7-258. PAR Plot (NR Band n2 - 5.0MHz DFT-s-OFDM 64-QAM - Full RB)



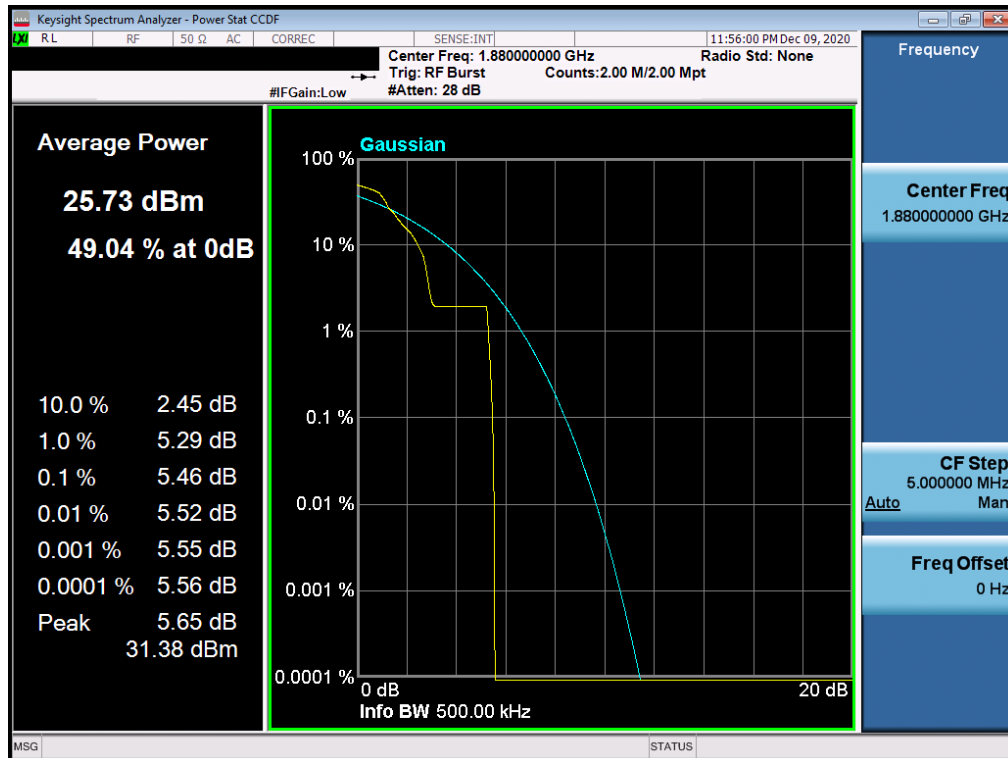
Plot 7-259. PAR Plot (NR Band n2 - 5.0MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA2379	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 151 of 198

GSM/GPRS PCS



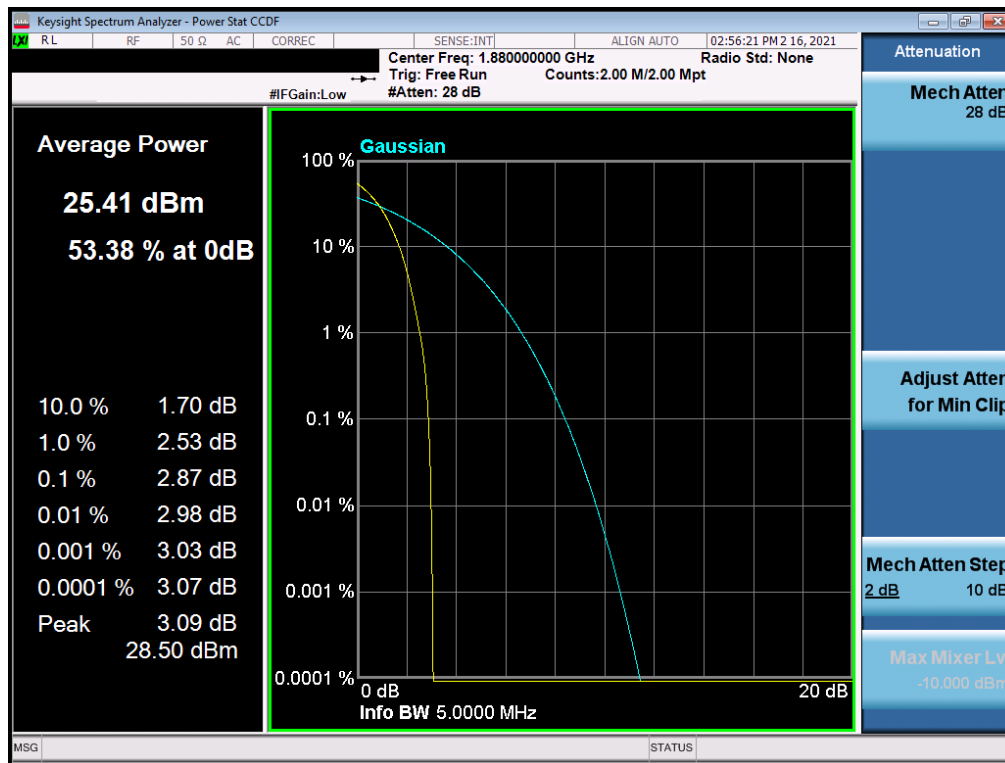
Plot 7-260. PAR Plot (GPRS, Ch. 661)



Plot 7-261. PAR Plot (EDGE, Ch. 661)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 152 of 198

WCDMA PCS



Plot 7-262. PAR Plot (WCDMA, Ch. 9400)

FCC ID: BCGA2379	PCTEST Proud to be part of element		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 153 of 198

7.6 Radiated Power (ERP/EIRP)

§24.232(c)

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.

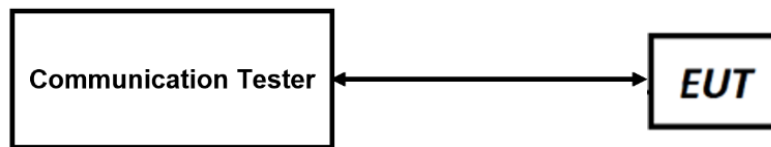


Figure 7-5. ERP/EIRP Measurement Setup

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. The Ant. Gains (GT) are listed in dBi.

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7.6.1 Antenna 3 – EIRP

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	1860.0	-0.10	1 / 50	25.70	25.60	0.363	33.01	-7.41
		1882.5	-0.10	1 / 50	25.66	25.56	0.360	33.01	-7.45
		1905.0	-0.10	1 / 50	25.60	25.50	0.355	33.01	-7.51
	16-QAM	1882.5	-0.10	1 / 50	25.37	25.27	0.337	33.01	-7.74
	64-QAM	1882.5	-0.10	1 / 0	24.62	24.52	0.283	33.01	-8.49
	256-QAM	1905.0	-0.10	1 / 0	20.96	20.86	0.122	33.01	-12.15
15 MHz	QPSK	1857.5	-0.10	1 / 37	25.70	25.60	0.363	33.01	-7.41
		1882.5	-0.10	1 / 74	25.38	25.28	0.337	33.01	-7.73
		1907.5	-0.10	1 / 74	25.39	25.29	0.338	33.01	-7.72
	16-QAM	1882.5	-0.10	1 / 74	24.92	24.82	0.303	33.01	-8.19
	64-QAM	1857.5	-0.10	1 / 0	24.25	24.15	0.260	33.01	-8.86
	256-QAM	1907.5	-0.10	1 / 0	21.34	21.24	0.133	33.01	-11.77
10 MHz	QPSK	1855.0	-0.10	1 / 25	25.61	25.51	0.356	33.01	-7.50
		1882.5	-0.10	1 / 49	25.61	25.51	0.356	33.01	-7.50
		1910.0	-0.10	1 / 49	25.70	25.60	0.363	33.01	-7.41
	16-QAM	1882.5	-0.10	1 / 49	25.08	24.98	0.315	33.01	-8.03
	64-QAM	1910.0	-0.10	1 / 49	24.09	23.99	0.251	33.01	-9.02
	256-QAM	1910.0	-0.10	1 / 49	21.36	21.26	0.134	33.01	-11.75
5 MHz	QPSK	1852.5	-0.10	1 / 24	25.70	25.60	0.363	33.01	-7.41
		1882.5	-0.10	1 / 24	25.64	25.54	0.358	33.01	-7.47
		1912.5	-0.10	1 / 24	25.51	25.41	0.348	33.01	-7.60
	16-QAM	1882.5	-0.10	1 / 24	25.24	25.14	0.327	33.01	-7.87
	64-QAM	1852.5	-0.10	1 / 12	24.20	24.10	0.257	33.01	-8.91
	256-QAM	1852.5	-0.10	1 / 24	20.99	20.89	0.123	33.01	-12.12
3 MHz	QPSK	1851.5	-0.10	1 / 0	25.70	25.60	0.363	33.01	-7.41
		1882.5	-0.10	1 / 7	25.69	25.59	0.362	33.01	-7.42
		1913.5	-0.10	1 / 14	25.60	25.50	0.355	33.01	-7.51
	16-QAM	1882.5	-0.10	1 / 7	25.17	25.07	0.321	33.01	-7.94
	64-QAM	1851.5	-0.10	1 / 14	23.94	23.84	0.242	33.01	-9.17
	256-QAM	1913.5	-0.10	1 / 14	21.35	21.25	0.133	33.01	-11.76
1.4 MHz	QPSK	1850.7	-0.10	1 / 5	25.59	25.49	0.354	33.01	-7.52
		1882.5	-0.10	1 / 3	25.65	25.55	0.359	33.01	-7.46
		1914.3	-0.10	1 / 0	25.70	25.60	0.363	33.01	-7.41
	16-QAM	1882.5	-0.10	1 / 3	25.11	25.01	0.317	33.01	-8.00
	64-QAM	1914.3	-0.10	1 / 0	23.91	23.81	0.240	33.01	-9.20
	256-QAM	1850.7	-0.10	6 / 0	20.84	20.74	0.119	33.01	-12.27

Table 7-2. EIRP Data (LTE Band 25)

FCC ID: BCGA2379	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 155 of 198

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	1860.0	-0.10	1 / 0	25.70	25.60	0.363	33.01	-7.41
		1880.0	-0.10	1 / 0	25.33	25.23	0.333	33.01	-7.78
		1900.0	-0.10	1 / 0	25.58	25.48	0.353	33.01	-7.53
	16-QAM	1900.0	-0.10	1 / 0	25.22	25.12	0.325	33.01	-7.89
	64-QAM	1900.0	-0.10	1 / 0	24.52	24.42	0.277	33.01	-8.59
	256-QAM	1860.0	-0.10	1 / 0	21.46	21.36	0.137	33.01	-11.65
15 MHz	QPSK	1857.5	-0.10	1 / 0	25.70	25.60	0.363	33.01	-7.41
		1880.0	-0.10	1 / 0	25.40	25.30	0.339	33.01	-7.71
		1902.5	-0.10	1 / 0	25.40	25.30	0.339	33.01	-7.71
	16-QAM	1880.0	-0.10	1 / 0	24.93	24.83	0.304	33.01	-8.18
	64-QAM	1880.0	-0.10	1 / 0	24.23	24.13	0.259	33.01	-8.88
	256-QAM	1902.5	-0.10	1 / 0	21.80	21.70	0.148	33.01	-11.31
10 MHz	QPSK	1855.0	-0.10	1 / 49	25.70	25.60	0.363	33.01	-7.41
		1880.0	-0.10	1 / 25	25.70	25.60	0.363	33.01	-7.41
		1905.0	-0.10	1 / 49	25.67	25.57	0.361	33.01	-7.44
	16-QAM	1880.0	-0.10	1 / 49	25.20	25.10	0.324	33.01	-7.91
	64-QAM	1880.0	-0.10	1 / 49	24.47	24.37	0.274	33.01	-8.64
	256-QAM	1905.0	-0.10	1 / 49	21.85	21.75	0.150	33.01	-11.26
5 MHz	QPSK	1852.5	-0.10	1 / 24	25.70	25.60	0.363	33.01	-7.41
		1880.0	-0.10	1 / 24	25.65	25.55	0.359	33.01	-7.46
		1907.5	-0.10	1 / 24	25.41	25.31	0.340	33.01	-7.70
	16-QAM	1880.0	-0.10	1 / 24	25.23	25.13	0.326	33.01	-7.88
	64-QAM	1880.0	-0.10	1 / 24	24.55	24.45	0.279	33.01	-8.56
	256-QAM	1852.5	-0.10	1 / 24	21.44	21.34	0.136	33.01	-11.67
3 MHz	QPSK	1851.5	-0.10	1 / 14	25.70	25.60	0.363	33.01	-7.41
		1880.0	-0.10	1 / 14	25.63	25.53	0.357	33.01	-7.48
		1908.5	-0.10	1 / 14	25.56	25.46	0.352	33.01	-7.55
	16-QAM	1880.0	-0.10	1 / 14	25.03	24.93	0.311	33.01	-8.08
	64-QAM	1880.0	-0.10	1 / 14	24.35	24.25	0.266	33.01	-8.76
	256-QAM	1908.5	-0.10	1 / 0	21.72	21.62	0.145	33.01	-11.39
1.4 MHz	QPSK	1850.7	-0.10	1 / 0	25.63	25.53	0.357	33.01	-7.48
		1880.0	-0.10	1 / 0	25.56	25.46	0.352	33.01	-7.55
		1909.3	-0.10	1 / 0	25.70	25.60	0.363	33.01	-7.41
	16-QAM	1880.0	-0.10	1 / 0	25.05	24.95	0.313	33.01	-8.06
	64-QAM	1880.0	-0.10	1 / 0	24.32	24.22	0.264	33.01	-8.79
	256-QAM	1850.7	-0.10	6 / 0	21.30	21.20	0.132	33.01	-11.81

Table 7-3. EIRP Data (LTE Band 2)

FCC ID: BCGA2379	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 156 of 198

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	1860.0	-0.10	1 / 50	25.70	25.60	0.363	33.01	-7.41
		1882.5	-0.10	1 / 1	25.67	25.57	0.361	33.01	-7.44
		1905.0	-0.10	1 / 1	25.62	25.52	0.356	33.01	-7.49
	QPSK	1860.0	-0.10	1 / 50	25.69	25.59	0.362	33.01	-7.42
		1882.5	-0.10	1 / 1	25.62	25.52	0.357	33.01	-7.49
		1905.0	-0.10	1 / 50	25.42	25.32	0.340	33.01	-7.69
	16-QAM	1882.5	-0.10	1 / 50	25.22	25.12	0.325	33.01	-7.89
	64-QAM	1905.0	-0.10	1 / 50	23.97	23.87	0.244	33.01	-9.14
	256-QAM	1882.5	-0.10	1 / 50	22.03	21.93	0.156	33.01	-11.08
15 MHz	$\pi/2$ BPSK	1857.5	-0.10	1 / 1	25.65	25.55	0.359	33.01	-7.46
		1882.5	-0.10	1 / 73	25.69	25.59	0.362	33.01	-7.42
		1907.5	-0.10	1 / 1	25.59	25.49	0.354	33.01	-7.52
	QPSK	1857.5	-0.10	1 / 73	25.69	25.59	0.362	33.01	-7.42
		1882.5	-0.10	1 / 1	25.60	25.50	0.355	33.01	-7.51
		1907.5	-0.10	1 / 75	25.70	25.60	0.363	33.01	-7.41
	16-QAM	1907.5	-0.10	1 / 75	25.12	25.02	0.318	33.01	-7.99
	64-QAM	1907.5	-0.10	1 / 75	23.74	23.64	0.231	33.01	-9.37
	256-QAM	1857.5	-0.10	1 / 1	22.16	22.06	0.161	33.01	-10.95
10 MHz	$\pi/2$ BPSK	1855.0	-0.10	1 / 1	25.43	25.33	0.341	33.01	-7.68
		1882.5	-0.10	1 / 25	25.55	25.45	0.350	33.01	-7.56
		1910.0	-0.10	1 / 1	25.52	25.42	0.348	33.01	-7.59
	QPSK	1855.0	-0.10	1 / 48	25.70	25.60	0.363	33.01	-7.41
		1882.5	-0.10	1 / 1	25.65	25.55	0.359	33.01	-7.46
		1910.0	-0.10	1 / 1	25.69	25.59	0.362	33.01	-7.42
	16-QAM	1855.0	-0.10	1 / 48	25.02	24.92	0.311	33.01	-8.09
	64-QAM	1855.0	-0.10	1 / 25	23.73	23.63	0.231	33.01	-9.38
	256-QAM	1855.0	-0.10	1 / 48	21.91	21.81	0.152	33.01	-11.20
5 MHz	$\pi/2$ BPSK	1852.5	-0.10	1 / 23	25.69	25.59	0.362	33.01	-7.42
		1882.5	-0.10	1 / 1	25.45	25.35	0.343	33.01	-7.66
		1912.5	-0.10	1 / 12	25.36	25.26	0.336	33.01	-7.75
	QPSK	1852.5	-0.10	1 / 1	25.65	25.55	0.359	33.01	-7.46
		1882.5	-0.10	1 / 23	25.60	25.50	0.354	33.01	-7.51
		1912.5	-0.10	1 / 1	25.70	25.60	0.363	33.01	-7.41
	16-QAM	1912.5	-0.10	1 / 12	25.00	24.90	0.309	33.01	-8.11
	64-QAM	1882.5	-0.10	1 / 23	23.50	23.40	0.219	33.01	-9.61
	256-QAM	1852.5	-0.10	1 / 1	21.97	21.87	0.154	33.01	-11.14

Table 7-4. EIRP Data (NR Band n25 – DFTs-OFDM)

FCC ID: BCGA2379	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 157 of 198

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	1860.0	-0.10	1 / 50	25.70	25.60	0.363	33.01	-7.41
		1880.0	-0.10	1 / 50	25.23	25.13	0.326	33.01	-7.88
		1900.0	-0.10	1 / 1	25.27	25.17	0.329	33.01	-7.84
	QPSK	1860.0	-0.10	1 / 1	25.13	25.03	0.318	33.01	-7.98
		1880.0	-0.10	1 / 50	25.20	25.10	0.324	33.01	-7.91
		1900.0	-0.10	1 / 98	25.53	25.43	0.349	33.01	-7.58
	16-QAM	1860.0	-0.10	1 / 1	24.04	23.94	0.248	33.01	-9.07
	64-QAM	1860.0	-0.10	1 / 1	23.06	22.96	0.198	33.01	-10.05
	256-QAM	1880.0	-0.10	1 / 1	20.88	20.78	0.120	33.01	-12.23
15 MHz	π/2 BPSK	1857.5	-0.10	1 / 73	25.07	24.97	0.314	33.01	-8.04
		1880.0	-0.10	1 / 1	25.32	25.22	0.333	33.01	-7.79
		1902.5	-0.10	1 / 73	25.45	25.35	0.343	33.01	-7.66
	QPSK	1857.5	-0.10	1 / 1	25.70	25.60	0.363	33.01	-7.41
		1880.0	-0.10	1 / 1	25.40	25.30	0.339	33.01	-7.71
		1902.5	-0.10	1 / 75	25.53	25.43	0.349	33.01	-7.58
	16-QAM	1857.5	-0.10	1 / 73	24.49	24.39	0.275	33.01	-8.62
	64-QAM	1902.5	-0.10	1 / 1	22.79	22.69	0.186	33.01	-10.32
	256-QAM	1857.5	-0.10	1 / 1	21.17	21.07	0.128	33.01	-11.94
10 MHz	π/2 BPSK	1855.0	-0.10	1 / 48	25.27	25.17	0.329	33.01	-7.84
		1880.0	-0.10	1 / 25	25.09	24.99	0.316	33.01	-8.02
		1905.0	-0.10	1 / 48	25.53	25.43	0.349	33.01	-7.58
	QPSK	1855.0	-0.10	1 / 1	25.43	25.33	0.341	33.01	-7.68
		1880.0	-0.10	1 / 1	25.17	25.07	0.321	33.01	-7.94
		1905.0	-0.10	1 / 1	25.27	25.17	0.329	33.01	-7.84
	16-QAM	1905.0	-0.10	1 / 25	24.15	24.05	0.254	33.01	-8.96
	64-QAM	1855.0	-0.10	1 / 25	23.03	22.93	0.196	33.01	-10.08
	256-QAM	1905.0	-0.10	1 / 25	20.90	20.80	0.120	33.01	-12.21
5 MHz	π/2 BPSK	1852.5	-0.10	1 / 23	25.70	25.60	0.363	33.01	-7.41
		1880.0	-0.10	1 / 12	25.49	25.39	0.346	33.01	-7.62
		1907.5	-0.10	1 / 23	25.38	25.28	0.337	33.01	-7.73
	QPSK	1852.5	-0.10	1 / 23	25.31	25.21	0.332	33.01	-7.80
		1880.0	-0.10	1 / 1	25.26	25.16	0.328	33.01	-7.85
		1907.5	-0.10	1 / 1	25.26	25.16	0.328	33.01	-7.85
	16-QAM	1852.5	-0.10	1 / 12	24.12	24.02	0.252	33.01	-8.99
	64-QAM	1852.5	-0.10	1 / 23	22.99	22.89	0.194	33.01	-10.12
	256-QAM	1852.5	-0.10	1 / 12	21.22	21.12	0.129	33.01	-11.89

Table 7-5. EIRP Data (NR Band n2 – DFTs-OFDM)

FCC ID: BCGA2379	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 158 of 198

GSM/GPRS PCS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1850.20	GPRS1900	30.89	-0.10	30.79	1.199	33.01	-2.22
1880.00	GPRS1900	31.00	-0.10	30.90	1.230	33.01	-2.11
1909.80	GPRS1900	30.94	-0.10	30.84	1.213	33.01	-2.17
1880.00	EDGE1900	25.79	-0.10	25.69	0.371	33.01	-7.32

Table 7-6. EIRP Data (GPRS PCS)

WCDMA PCS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1852.40	WCDMA1900	25.51	-0.10	25.41	0.348	33.01	-7.60
1880.00	WCDMA1900	25.40	-0.10	25.30	0.339	33.01	-7.71
1907.60	WCDMA1900	25.45	-0.10	25.35	0.343	33.01	-7.66

Table 7-7. EIRP Data (WCDMA PCS)

FCC ID: BCGA2379	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 159 of 198

7.6.2 Antenna 1 – EIRP

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	1860.0	1.50	1 / 50	22.44	23.94	0.248	33.01	-9.07
		1882.5	1.50	1 / 50	22.17	23.67	0.233	33.01	-9.34
		1905.0	1.50	1 / 50	22.10	23.60	0.229	33.01	-9.41
	16-QAM	1882.5	1.50	1 / 99	21.67	23.17	0.207	33.01	-9.84
	64-QAM	1905.0	1.50	1 / 0	20.81	22.31	0.170	33.01	-10.70
	256-QAM	1860.0	1.50	1 / 50	17.82	19.32	0.086	33.01	-13.69
15 MHz	QPSK	1857.5	1.50	1 / 37	22.41	23.91	0.246	33.01	-9.10
		1882.5	1.50	1 / 0	22.04	23.54	0.226	33.01	-9.47
		1907.5	1.50	1 / 0	22.02	23.52	0.225	33.01	-9.49
	16-QAM	1857.5	1.50	1 / 37	21.96	23.46	0.222	33.01	-9.55
	64-QAM	1882.5	1.50	1 / 0	20.88	22.38	0.173	33.01	-10.63
	256-QAM	1857.5	1.50	1 / 37	17.86	19.36	0.086	33.01	-13.65
10 MHz	QPSK	1855.0	1.50	1 / 49	22.43	23.93	0.247	33.01	-9.08
		1882.5	1.50	1 / 25	22.03	23.53	0.225	33.01	-9.48
		1910.0	1.50	1 / 25	22.05	23.55	0.226	33.01	-9.46
	16-QAM	1855.0	1.50	1 / 25	21.65	23.15	0.207	33.01	-9.86
	64-QAM	1882.5	1.50	1 / 0	20.88	22.38	0.173	33.01	-10.63
	256-QAM	1855.0	1.50	1 / 25	18.01	19.51	0.089	33.01	-13.50
5 MHz	QPSK	1852.5	1.50	1 / 24	22.52	24.02	0.252	33.01	-8.99
		1882.5	1.50	1 / 24	22.40	23.90	0.245	33.01	-9.11
		1912.5	1.50	1 / 24	22.21	23.71	0.235	33.01	-9.30
	16-QAM	1882.5	1.50	1 / 0	22.10	23.60	0.229	33.01	-9.41
	64-QAM	1852.5	1.50	1 / 0	21.09	22.59	0.182	33.01	-10.42
	256-QAM	1852.5	1.50	1 / 24	17.99	19.49	0.089	33.01	-13.52
3 MHz	QPSK	1851.5	1.50	1 / 0	22.44	23.94	0.248	33.01	-9.07
		1882.5	1.50	1 / 14	22.27	23.77	0.238	33.01	-9.24
		1913.5	1.50	1 / 14	22.21	23.71	0.235	33.01	-9.30
	16-QAM	1882.5	1.50	1 / 14	21.74	23.24	0.211	33.01	-9.77
	64-QAM	1851.5	1.50	1 / 7	20.66	22.16	0.164	33.01	-10.85
	256-QAM	1913.5	1.50	1 / 0	17.96	19.46	0.088	33.01	-13.55
1.4 MHz	QPSK	1850.7	1.50	1 / 0	22.32	23.82	0.241	33.01	-9.19
		1882.5	1.50	1 / 0	22.20	23.70	0.234	33.01	-9.31
		1914.3	1.50	1 / 0	22.39	23.89	0.245	33.01	-9.12
	16-QAM	1882.5	1.50	1 / 0	21.73	23.23	0.210	33.01	-9.78
	64-QAM	1850.7	1.50	1 / 0	20.65	22.15	0.164	33.01	-10.86
	256-QAM	1882.5	1.50	1 / 0	17.79	19.29	0.085	33.01	-13.72

Table 7-8. EIRP Data (LTE Band 25)

FCC ID: BCGA2379	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 160 of 198

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	1860.0	1.50	1 / 50	22.41	23.91	0.246	33.01	-9.10
		1880.0	1.50	1 / 50	22.16	23.66	0.232	33.01	-9.35
		1900.0	1.50	1 / 50	22.09	23.59	0.229	33.01	-9.42
	16-QAM	1880.0	1.50	1 / 50	21.70	23.20	0.209	33.01	-9.81
	64-QAM	1900.0	1.50	1 / 0	20.73	22.23	0.167	33.01	-10.78
	256-QAM	1860.0	1.50	1 / 50	17.77	19.27	0.085	33.01	-13.74
15 MHz	QPSK	1857.5	1.50	1 / 37	22.37	23.87	0.244	33.01	-9.14
		1880.0	1.50	1 / 37	22.07	23.57	0.228	33.01	-9.44
		1902.5	1.50	1 / 37	22.02	23.52	0.225	33.01	-9.49
	16-QAM	1857.5	1.50	1 / 0	21.93	23.43	0.220	33.01	-9.58
	64-QAM	1880.0	1.50	1 / 37	20.91	22.41	0.174	33.01	-10.60
	256-QAM	1857.5	1.50	1 / 74	17.78	19.28	0.085	33.01	-13.73
10 MHz	QPSK	1855.0	1.50	1 / 49	22.33	23.83	0.242	33.01	-9.18
		1880.0	1.50	1 / 25	21.99	23.49	0.223	33.01	-9.52
		1905.0	1.50	1 / 25	22.04	23.54	0.226	33.01	-9.47
	16-QAM	1855.0	1.50	1 / 49	21.64	23.14	0.206	33.01	-9.87
	64-QAM	1880.0	1.50	1 / 49	20.80	22.30	0.170	33.01	-10.71
	256-QAM	1855.0	1.50	1 / 25	17.88	19.38	0.087	33.01	-13.63
5 MHz	QPSK	1852.5	1.50	1 / 0	22.61	24.11	0.258	33.01	-8.90
		1880.0	1.50	1 / 12	22.66	24.16	0.261	33.01	-8.85
		1907.5	1.50	1 / 12	22.10	23.60	0.229	33.01	-9.41
	16-QAM	1852.5	1.50	1 / 12	21.59	23.09	0.204	33.01	-9.92
	64-QAM	1880.0	1.50	25 / 0	20.63	22.13	0.163	33.01	-10.88
	256-QAM	1852.5	1.50	1 / 24	17.83	19.33	0.086	33.01	-13.68
3 MHz	QPSK	1851.5	1.50	1 / 0	22.46	23.96	0.249	33.01	-9.05
		1880.0	1.50	1 / 7	22.64	24.14	0.259	33.01	-8.87
		1908.5	1.50	1 / 7	22.18	23.68	0.233	33.01	-9.33
	16-QAM	1851.5	1.50	1 / 14	21.61	23.11	0.205	33.01	-9.90
	64-QAM	1880.0	1.50	15 / 0	20.62	22.12	0.163	33.01	-10.89
	256-QAM	1851.5	1.50	1 / 14	17.87	19.37	0.086	33.01	-13.64
1.4 MHz	QPSK	1850.7	1.50	1 / 0	22.30	23.80	0.240	33.01	-9.21
		1880.0	1.50	1 / 5	22.63	24.13	0.259	33.01	-8.88
		1909.3	1.50	1 / 3	22.49	23.99	0.251	33.01	-9.02
	16-QAM	1850.7	1.50	1 / 0	21.63	23.13	0.206	33.01	-9.88
	64-QAM	1880.0	1.50	1 / 3	20.65	22.15	0.164	33.01	-10.86
	256-QAM	1850.7	1.50	1 / 0	17.81	19.31	0.085	33.01	-13.70

Table 7-9. EIRP Data (LTE Band 2)

FCC ID: BCGA2379	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 161 of 198

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	1860.0	1.50	1 / 50	22.70	24.20	0.263	33.01	-8.81
		1882.5	1.50	1 / 1	22.33	23.83	0.241	33.01	-9.18
		1905.0	1.50	1 / 50	22.59	24.09	0.257	33.01	-8.92
	QPSK	1860.0	1.50	1 / 98	22.61	24.11	0.258	33.01	-8.90
		1882.5	1.50	1 / 50	22.60	24.10	0.257	33.01	-8.92
		1905.0	1.50	1 / 50	22.51	24.01	0.251	33.01	-9.01
	16-QAM	1905.0	1.50	1 / 98	21.77	23.27	0.212	33.01	-9.74
	64-QAM	1882.5	1.50	1 / 1	20.41	21.91	0.155	33.01	-11.10
	256-QAM	1882.5	1.50	1 / 1	18.44	19.94	0.099	33.01	-13.07
15 MHz	π/2 BPSK	1857.5	1.50	1 / 73	22.70	24.20	0.263	33.01	-8.81
		1882.5	1.50	1 / 73	22.57	24.07	0.255	33.01	-8.94
		1907.5	1.50	1 / 1	22.59	24.09	0.256	33.01	-8.92
	QPSK	1857.5	1.50	1 / 1	22.45	23.95	0.248	33.01	-9.06
		1882.5	1.50	1 / 75	22.58	24.08	0.256	33.01	-8.93
		1907.5	1.50	1 / 1	22.59	24.09	0.257	33.01	-8.92
	16-QAM	1857.5	1.50	1 / 1	21.73	23.23	0.211	33.01	-9.78
	64-QAM	1882.5	1.50	1 / 1	20.37	21.87	0.154	33.01	-11.14
	256-QAM	1907.5	1.50	1 / 75	18.57	20.07	0.102	33.01	-12.94
10 MHz	π/2 BPSK	1855.0	1.50	1 / 48	22.61	24.11	0.258	33.01	-8.90
		1882.5	1.50	1 / 48	22.70	24.20	0.263	33.01	-8.81
		1910.0	1.50	1 / 25	22.60	24.10	0.257	33.01	-8.91
	QPSK	1855.0	1.50	1 / 1	22.52	24.02	0.253	33.01	-8.99
		1882.5	1.50	1 / 1	22.68	24.18	0.262	33.01	-8.83
		1910.0	1.50	1 / 25	22.55	24.05	0.254	33.01	-8.96
	16-QAM	1855.0	1.50	1 / 1	21.64	23.14	0.206	33.01	-9.87
	64-QAM	1855.0	1.50	1 / 1	20.79	22.29	0.169	33.01	-10.72
	256-QAM	1910.0	1.50	1 / 25	18.67	20.17	0.104	33.01	-12.84
5 MHz	π/2 BPSK	1852.5	1.50	1 / 1	22.70	24.20	0.263	33.01	-8.81
		1882.5	1.50	1 / 23	22.53	24.03	0.253	33.01	-8.98
		1912.5	1.50	1 / 1	22.38	23.88	0.244	33.01	-9.13
	QPSK	1852.5	1.50	1 / 23	22.67	24.17	0.261	33.01	-8.84
		1882.5	1.50	1 / 1	22.70	24.20	0.263	33.01	-8.81
		1912.5	1.50	1 / 23	22.60	24.10	0.257	33.01	-8.91
	16-QAM	1852.5	1.50	1 / 12	21.90	23.40	0.219	33.01	-9.61
	64-QAM	1882.5	1.50	1 / 23	20.43	21.93	0.156	33.01	-11.08
	256-QAM	1852.5	1.50	1 / 12	18.77	20.27	0.106	33.01	-12.74

Table 7-10. EIRP Data (NR Band n25 – DFTs-OFDM)

FCC ID: BCGA2379	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 162 of 198

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	1860.0	1.50	1 / 50	22.42	23.92	0.247	33.01	-9.09
		1880.0	1.50	1 / 98	22.51	24.01	0.252	33.01	-9.00
		1900.0	1.50	1 / 50	22.37	23.87	0.244	33.01	-9.14
	QPSK	1860.0	1.50	1 / 50	22.55	24.05	0.254	33.01	-8.96
		1880.0	1.50	1 / 1	22.38	23.88	0.244	33.01	-9.13
		1900.0	1.50	1 / 50	22.11	23.61	0.230	33.01	-9.40
	16-QAM	1880.0	1.50	1 / 1	21.61	23.11	0.205	33.01	-9.90
	64-QAM	1860.0	1.50	1 / 50	20.03	21.53	0.142	33.01	-11.48
	256-QAM	1880.0	1.50	1 / 50	18.24	19.74	0.094	33.01	-13.27
15 MHz	$\pi/2$ BPSK	1857.5	1.50	1 / 1	22.59	24.09	0.256	33.01	-8.92
		1880.0	1.50	1 / 1	22.29	23.79	0.239	33.01	-9.22
		1902.5	1.50	1 / 1	22.30	23.80	0.240	33.01	-9.21
	QPSK	1857.5	1.50	1 / 73	22.33	23.83	0.241	33.01	-9.18
		1880.0	1.50	1 / 75	22.52	24.02	0.252	33.01	-8.99
		1902.5	1.50	1 / 1	22.14	23.64	0.231	33.01	-9.37
	16-QAM	1880.0	1.50	1 / 75	21.60	23.10	0.204	33.01	-9.91
	64-QAM	1857.5	1.50	1 / 73	20.20	21.70	0.148	33.01	-11.31
	256-QAM	1880.0	1.50	1 / 75	18.19	19.69	0.093	33.01	-13.32
10 MHz	$\pi/2$ BPSK	1855.0	1.50	1 / 48	22.65	24.15	0.260	33.01	-8.86
		1880.0	1.50	1 / 48	22.27	23.77	0.238	33.01	-9.24
		1905.0	1.50	1 / 48	22.28	23.78	0.239	33.01	-9.23
	QPSK	1855.0	1.50	1 / 1	22.70	24.20	0.263	33.01	-8.81
		1880.0	1.50	1 / 1	22.56	24.06	0.255	33.01	-8.95
		1905.0	1.50	1 / 1	22.19	23.69	0.234	33.01	-9.32
	16-QAM	1855.0	1.50	1 / 1	21.70	23.20	0.209	33.01	-9.81
	64-QAM	1855.0	1.50	1 / 25	20.05	21.55	0.143	33.01	-11.46
	256-QAM	1855.0	1.50	1 / 1	18.19	19.69	0.093	33.01	-13.32
5 MHz	$\pi/2$ BPSK	1852.5	1.50	1 / 23	22.39	23.89	0.245	33.01	-9.13
		1880.0	1.50	1 / 1	22.54	24.04	0.253	33.01	-8.97
		1907.5	1.50	1 / 12	22.33	23.83	0.242	33.01	-9.18
	QPSK	1852.5	1.50	1 / 12	22.50	24.00	0.251	33.01	-9.01
		1880.0	1.50	1 / 12	22.39	23.89	0.245	33.01	-9.12
		1907.5	1.50	1 / 23	22.19	23.69	0.234	33.01	-9.32
	16-QAM	1852.5	1.50	1 / 1	21.59	23.09	0.204	33.01	-9.92
	64-QAM	1880.0	1.50	1 / 12	20.00	21.50	0.141	33.01	-11.51
	256-QAM	1880.0	1.50	1 / 75	18.04	19.54	0.090	33.01	-13.47

Table 7-11. EIRP Data (NR Band n2 – DFTs-OFDM)

FCC ID: BCGA2379	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 163 of 198

GSM/GPRS PCS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1850.20	GPRS1900	28.08	1.50	29.58	0.908	33.01	-3.43
1880.00	GPRS1900	28.25	1.50	29.75	0.944	33.01	-3.26
1909.80	GPRS1900	28.19	1.50	29.69	0.931	33.01	-3.32
1880.00	EDGE1900	23.50	1.50	25.00	0.316	33.01	-8.01

Table 7-12. EIRP Data (GPRS PCS)

WCDMA PCS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1852.40	WCDMA1900	22.18	1.50	23.68	0.233	33.01	-9.33
1880.00	WCDMA1900	22.44	1.50	23.94	0.248	33.01	-9.07
1907.60	WCDMA1900	22.37	1.50	23.87	0.244	33.01	-9.14

Table 7-13. EIRP Data (WCDMA PCS)

FCC ID: BCGA2379	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 164 of 198

7.6.3 Antenna 4b – EIRP

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	1860.0	-1.90	1 / 0	24.78	22.88	0.194	33.01	-10.13
		1882.5	-1.90	1 / 0	25.05	23.15	0.207	33.01	-9.86
		1905.0	-1.90	1 / 0	25.20	23.30	0.214	33.01	-9.71
	16-QAM	1905.0	-1.90	1 / 99	24.88	22.98	0.199	33.01	-10.03
	64-QAM	1905.0	-1.90	1 / 99	24.10	22.20	0.166	33.01	-10.81
	256-QAM	1905.0	-1.90	100 / 0	20.14	18.24	0.067	33.01	-14.77
15 MHz	QPSK	1857.5	-1.90	1 / 0	25.20	23.30	0.214	33.01	-9.71
		1882.5	-1.90	1 / 0	25.05	23.15	0.207	33.01	-9.86
		1907.5	-1.90	1 / 0	25.13	23.23	0.210	33.01	-9.78
	16-QAM	1882.5	-1.90	1 / 0	24.54	22.64	0.184	33.01	-10.37
	64-QAM	1882.5	-1.90	1 / 0	23.76	21.86	0.153	33.01	-11.15
	256-QAM	1907.5	-1.90	1 / 0	20.26	18.36	0.069	33.01	-14.65
10 MHz	QPSK	1855.0	-1.90	1 / 25	25.11	23.21	0.209	33.01	-9.80
		1882.5	-1.90	1 / 0	25.16	23.26	0.212	33.01	-9.75
		1910.0	-1.90	1 / 0	25.20	23.30	0.214	33.01	-9.71
	16-QAM	1882.5	-1.90	1 / 49	24.67	22.77	0.189	33.01	-10.24
	64-QAM	1882.5	-1.90	1 / 49	23.85	21.95	0.157	33.01	-11.06
	256-QAM	1910.0	-1.90	1 / 0	20.41	18.51	0.071	33.01	-14.50
5 MHz	QPSK	1852.5	-1.90	1 / 12	25.19	23.29	0.213	33.01	-9.72
		1882.5	-1.90	1 / 0	25.20	23.30	0.214	33.01	-9.71
		1912.5	-1.90	1 / 24	25.14	23.24	0.211	33.01	-9.77
	16-QAM	1882.5	-1.90	1 / 24	24.86	22.96	0.198	33.01	-10.05
	64-QAM	1882.5	-1.90	1 / 24	24.02	22.12	0.163	33.01	-10.89
	256-QAM	1852.5	-1.90	25 / 0	20.22	18.32	0.068	33.01	-14.69
3 MHz	QPSK	1851.5	-1.90	1 / 14	25.19	23.29	0.213	33.01	-9.72
		1882.5	-1.90	1 / 14	25.17	23.27	0.212	33.01	-9.74
		1913.5	-1.90	1 / 14	25.20	23.30	0.214	33.01	-9.71
	16-QAM	1882.5	-1.90	1 / 14	24.65	22.75	0.188	33.01	-10.26
	64-QAM	1882.5	-1.90	1 / 14	23.89	21.99	0.158	33.01	-11.02
	256-QAM	1913.5	-1.90	1 / 0	20.38	18.48	0.070	33.01	-14.53
1.4 MHz	QPSK	1850.7	-1.90	1 / 0	25.00	23.10	0.204	33.01	-9.91
		1882.5	-1.90	1 / 5	24.95	23.05	0.202	33.01	-9.96
		1914.3	-1.90	1 / 0	25.20	23.30	0.214	33.01	-9.71
	16-QAM	1882.5	-1.90	1 / 0	24.44	22.54	0.179	33.01	-10.47
	64-QAM	1882.5	-1.90	1 / 0	23.65	21.75	0.150	33.01	-11.26
	256-QAM	1850.7	-1.90	6 / 0	20.19	18.29	0.067	33.01	-14.72

Table 7-14. EIRP Data (LTE Band 25)

FCC ID: BCGA2379	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 165 of 198

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	QPSK	1860.0	-1.90	1 / 99	25.00	23.10	0.204	33.01	-9.91
		1880.0	-1.90	1 / 99	24.84	22.94	0.197	33.01	-10.07
		1900.0	-1.90	1 / 99	24.95	23.05	0.202	33.01	-9.96
	16-QAM	1880.0	-1.90	1 / 99	24.31	22.41	0.174	33.01	-10.60
		1900.0	-1.90	1 / 50	24.31	22.41	0.174	33.01	-10.60
	64-QAM	1900.0	-1.90	1 / 99	23.61	21.71	0.148	33.01	-11.30
	256-QAM	1880.0	-1.90	1 / 99	20.44	18.54	0.071	33.01	-14.47
15 MHz	QPSK	1857.5	-1.90	1 / 74	25.00	23.10	0.204	33.01	-9.91
		1880.0	-1.90	1 / 74	24.76	22.86	0.193	33.01	-10.15
		1902.5	-1.90	1 / 74	24.85	22.95	0.197	33.01	-10.06
	16-QAM	1857.5	-1.90	1 / 74	24.55	22.65	0.184	33.01	-10.36
	64-QAM	1880.0	-1.90	1 / 74	23.59	21.69	0.148	33.01	-11.32
	256-QAM	1857.5	-1.90	1 / 74	20.39	18.49	0.071	33.01	-14.52
10 MHz	QPSK	1855.0	-1.90	1 / 49	25.01	23.11	0.205	33.01	-9.90
		1880.0	-1.90	1 / 49	24.75	22.85	0.193	33.01	-10.16
		1905.0	-1.90	1 / 49	24.85	22.95	0.197	33.01	-10.06
	16-QAM	1905.0	-1.90	1 / 49	24.28	22.38	0.173	33.01	-10.63
	64-QAM	1880.0	-1.90	1 / 49	23.56	21.66	0.147	33.01	-11.35
	256-QAM	1855.0	-1.90	1 / 49	20.51	18.61	0.073	33.01	-14.40
5 MHz	QPSK	1852.5	-1.90	1 / 24	25.10	23.20	0.209	33.01	-9.81
		1880.0	-1.90	1 / 24	25.07	23.17	0.207	33.01	-9.84
		1907.5	-1.90	1 / 24	25.16	23.26	0.212	33.01	-9.75
	16-QAM	1852.5	-1.90	1 / 24	24.46	22.56	0.180	33.01	-10.45
	64-QAM	1852.5	-1.90	1 / 24	23.30	21.40	0.138	33.01	-11.61
	256-QAM	1907.5	-1.90	1 / 24	20.72	18.82	0.076	33.01	-14.19
3 MHz	QPSK	1851.5	-1.90	1 / 0	25.11	23.21	0.209	33.01	-9.80
		1880.0	-1.90	1 / 14	25.19	23.29	0.213	33.01	-9.72
		1908.5	-1.90	1 / 7	25.19	23.29	0.213	33.01	-9.72
	16-QAM	1851.5	-1.90	1 / 14	24.23	22.33	0.171	33.01	-10.68
	64-QAM	1908.5	-1.90	1 / 7	23.52	21.62	0.145	33.01	-11.39
	256-QAM	1908.5	-1.90	1 / 0	20.58	18.68	0.074	33.01	-14.33
1.4 MHz	QPSK	1850.7	-1.90	1 / 0	25.10	23.20	0.209	33.01	-9.81
		1880.0	-1.90	1 / 0	25.20	23.30	0.214	33.01	-9.71
		1909.3	-1.90	1 / 3	25.20	23.30	0.214	33.01	-9.71
	16-QAM	1850.7	-1.90	1 / 0	24.25	22.35	0.172	33.01	-10.66
	64-QAM	1909.3	-1.90	6 / 0	23.36	21.46	0.140	33.01	-11.55
	256-QAM	1850.7	-1.90	1 / 0	20.38	18.48	0.070	33.01	-14.53

Table 7-15. EIRP Data (LTE Band 2)

FCC ID: BCGA2379	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 166 of 198

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	1860.0	-1.90	1 / 50	25.20	23.30	0.214	33.01	-9.71
		1882.5	-1.90	1 / 1	24.86	22.96	0.198	33.01	-10.05
		1905.0	-1.90	1 / 1	25.00	23.10	0.204	33.01	-9.91
	QPSK	1860.0	-1.90	1 / 50	25.15	23.25	0.211	33.01	-9.76
		1882.5	-1.90	1 / 98	25.16	23.26	0.212	33.01	-9.75
		1905.0	-1.90	1 / 1	24.86	22.96	0.198	33.01	-10.05
	16-QAM	1860.0	-1.90	1 / 98	24.86	22.96	0.198	33.01	-10.05
	64-QAM	1860.0	-1.90	1 / 50	23.09	21.19	0.131	33.01	-11.82
	256-QAM	1882.5	-1.90	1 / 50	21.15	19.25	0.084	33.01	-13.76
15 MHz	π/2 BPSK	1857.5	-1.90	1 / 73	25.01	23.11	0.205	33.01	-9.90
		1882.5	-1.90	1 / 1	25.07	23.17	0.208	33.01	-9.84
		1907.5	-1.90	1 / 73	24.97	23.07	0.203	33.01	-9.94
	QPSK	1857.5	-1.90	1 / 1	25.18	23.28	0.213	33.01	-9.73
		1882.5	-1.90	1 / 1	25.20	23.30	0.214	33.01	-9.71
		1907.5	-1.90	1 / 75	25.08	23.18	0.208	33.01	-9.83
	16-QAM	1857.5	-1.90	1 / 1	24.71	22.81	0.191	33.01	-10.20
	64-QAM	1857.5	-1.90	1 / 1	22.99	21.09	0.129	33.01	-11.92
	256-QAM	1907.5	-1.90	1 / 75	21.45	19.55	0.090	33.01	-13.46
10 MHz	π/2 BPSK	1855.0	-1.90	1 / 25	24.95	23.05	0.202	33.01	-9.96
		1882.5	-1.90	1 / 48	25.04	23.14	0.206	33.01	-9.87
		1910.0	-1.90	1 / 48	24.98	23.08	0.203	33.01	-9.93
	QPSK	1855.0	-1.90	1 / 25	25.19	23.29	0.213	33.01	-9.72
		1882.5	-1.90	1 / 48	25.20	23.30	0.214	33.01	-9.71
		1910.0	-1.90	1 / 48	25.03	23.13	0.205	33.01	-9.89
	16-QAM	1910.0	-1.90	1 / 48	24.89	22.99	0.199	33.01	-10.03
	64-QAM	1855.0	-1.90	1 / 25	23.19	21.29	0.134	33.01	-11.72
	256-QAM	1910.0	-1.90	1 / 48	20.99	19.09	0.081	33.01	-13.92
5 MHz	π/2 BPSK	1852.5	-1.90	1 / 12	25.20	23.30	0.214	33.01	-9.71
		1882.5	-1.90	1 / 12	25.06	23.16	0.207	33.01	-9.85
		1912.5	-1.90	1 / 1	25.18	23.28	0.213	33.01	-9.73
	QPSK	1852.5	-1.90	1 / 12	25.09	23.19	0.208	33.01	-9.82
		1882.5	-1.90	1 / 12	25.18	23.28	0.213	33.01	-9.73
		1912.5	-1.90	1 / 23	25.00	23.10	0.204	33.01	-9.91
	16-QAM	1882.5	-1.90	1 / 12	24.84	22.94	0.197	33.01	-10.07
	64-QAM	1882.5	-1.90	1 / 1	22.97	21.07	0.128	33.01	-11.94
	256-QAM	1882.5	-1.90	1 / 1	21.03	19.13	0.082	33.01	-13.88

Table 7-16. EIRP Data (NR Band n25 – DFTs-OFDM)

FCC ID: BCGA2379	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 167 of 198

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	1860.0	-1.90	1 / 98	24.87	22.97	0.198	33.01	-10.04
		1880.0	-1.90	1 / 98	25.03	23.13	0.206	33.01	-9.88
		1900.0	-1.90	1 / 50	24.96	23.06	0.202	33.01	-9.95
	QPSK	1860.0	-1.90	1 / 1	25.02	23.12	0.205	33.01	-9.89
		1880.0	-1.90	1 / 50	24.49	22.59	0.182	33.01	-10.42
		1900.0	-1.90	1 / 50	24.96	23.06	0.202	33.01	-9.95
	16-QAM	1900.0	-1.90	1 / 98	23.89	21.99	0.158	33.01	-11.02
	64-QAM	1860.0	-1.90	1 / 1	22.27	20.37	0.109	33.01	-12.64
	256-QAM	1860.0	-1.90	1 / 1	20.75	18.85	0.077	33.01	-14.16
15 MHz	$\pi/2$ BPSK	1857.5	-1.90	1 / 73	24.90	23.00	0.200	33.01	-10.01
		1880.0	-1.90	1 / 1	24.83	22.93	0.196	33.01	-10.08
		1902.5	-1.90	1 / 75	25.11	23.21	0.210	33.01	-9.80
	QPSK	1857.5	-1.90	1 / 75	24.97	23.07	0.203	33.01	-9.94
		1880.0	-1.90	1 / 73	24.91	23.01	0.200	33.01	-10.00
		1902.5	-1.90	1 / 1	24.60	22.70	0.186	33.01	-10.31
	16-QAM	1902.5	-1.90	1 / 1	24.30	22.40	0.174	33.01	-10.61
	64-QAM	1857.5	-1.90	1 / 75	22.53	20.63	0.116	33.01	-12.38
	256-QAM	1857.5	-1.90	1 / 1	20.91	19.01	0.080	33.01	-14.00
10 MHz	$\pi/2$ BPSK	1855.0	-1.90	1 / 1	24.78	22.88	0.194	33.01	-10.13
		1880.0	-1.90	1 / 48	24.84	22.94	0.197	33.01	-10.07
		1905.0	-1.90	1 / 1	24.58	22.68	0.186	33.01	-10.33
	QPSK	1855.0	-1.90	1 / 48	24.63	22.73	0.187	33.01	-10.28
		1880.0	-1.90	1 / 48	24.76	22.86	0.193	33.01	-10.16
		1905.0	-1.90	1 / 48	24.65	22.75	0.188	33.01	-10.26
	16-QAM	1880.0	-1.90	1 / 48	24.15	22.25	0.168	33.01	-10.76
	64-QAM	1880.0	-1.90	1 / 25	22.23	20.33	0.108	33.01	-12.68
	256-QAM	1905.0	-1.90	1 / 25	20.79	18.89	0.077	33.01	-14.12
5 MHz	$\pi/2$ BPSK	1852.5	-1.90	1 / 23	24.94	23.04	0.201	33.01	-9.97
		1880.0	-1.90	1 / 23	24.61	22.71	0.187	33.01	-10.30
		1907.5	-1.90	1 / 23	24.53	22.63	0.183	33.01	-10.38
	QPSK	1852.5	-1.90	1 / 1	25.12	23.22	0.210	33.01	-9.79
		1880.0	-1.90	1 / 23	24.52	22.62	0.183	33.01	-10.39
		1907.5	-1.90	1 / 12	24.92	23.02	0.200	33.01	-9.99
	16-QAM	1852.5	-1.90	1 / 23	24.03	22.13	0.163	33.01	-10.88
	64-QAM	1852.5	-1.90	1 / 12	22.48	20.58	0.114	33.01	-12.43
	256-QAM	1907.5	-1.90	1 / 75	20.52	18.62	0.073	33.01	-14.39

Table 7-17. EIRP Data (NR Band n2 – DFTs-OFDM)

FCC ID: BCGA2379	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 168 of 198

GSM/GPRS PCS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1850.20	GPRS1900	30.69	-1.90	28.79	0.757	33.01	-4.22
1880.00	GPRS1900	30.96	-1.90	29.06	0.805	33.01	-3.95
1909.80	GPRS1900	30.72	-1.90	28.82	0.762	33.01	-4.19
1880.00	EDGE1900	25.94	-1.90	24.04	0.254	33.01	-8.97

Table 7-18. EIRP Data (GPRS PCS)

WCDMA PCS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1852.40	WCDMA1900	25.12	-1.90	23.22	0.210	33.01	-9.79
1880.00	WCDMA1900	25.00	-1.90	23.10	0.204	33.01	-9.91
1907.60	WCDMA1900	25.07	-1.90	23.17	0.207	33.01	-9.84

Table 7-19. EIRP Data (WCDMA PCS)

FCC ID: BCGA2379	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 169 of 198

7.6.4 Antenna 2b – EIRP

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	1860.0	-0.50	1 / 50	23.20	22.70	0.186	33.01	-10.31
		1882.5	-0.50	1 / 0	23.14	22.64	0.184	33.01	-10.37
		1905.0	-0.50	1 / 0	22.96	22.46	0.176	33.01	-10.55
	16-QAM	1905.0	-0.50	1 / 99	22.17	21.67	0.147	33.01	-11.34
	64-QAM	1905.0	-0.50	1 / 99	21.10	20.60	0.115	33.01	-12.41
	256-QAM	1905.0	-0.50	1 / 99	18.40	17.90	0.062	33.01	-15.11
15 MHz	QPSK	1857.5	-0.50	1 / 0	23.20	22.70	0.186	33.01	-10.31
		1882.5	-0.50	1 / 0	22.99	22.49	0.177	33.01	-10.52
		1907.5	-0.50	1 / 0	23.11	22.61	0.182	33.01	-10.40
	16-QAM	1882.5	-0.50	1 / 0	22.52	22.02	0.159	33.01	-10.99
	64-QAM	1882.5	-0.50	1 / 0	21.67	21.17	0.131	33.01	-11.84
	256-QAM	1857.5	-0.50	75 / 0	18.34	17.84	0.061	33.01	-15.17
10 MHz	QPSK	1855.0	-0.50	1 / 25	23.20	22.70	0.186	33.01	-10.31
		1882.5	-0.50	1 / 49	23.20	22.70	0.186	33.01	-10.31
		1910.0	-0.50	1 / 0	23.20	22.70	0.186	33.01	-10.31
	16-QAM	1882.5	-0.50	1 / 49	22.64	22.14	0.164	33.01	-10.87
	64-QAM	1882.5	-0.50	1 / 0	21.85	21.35	0.136	33.01	-11.66
	256-QAM	1910.0	-0.50	1 / 0	18.45	17.95	0.062	33.01	-15.06
5 MHz	QPSK	1852.5	-0.50	1 / 24	23.20	22.70	0.186	33.01	-10.31
		1882.5	-0.50	1 / 24	23.16	22.66	0.185	33.01	-10.35
		1912.5	-0.50	1 / 24	23.03	22.53	0.179	33.01	-10.48
	16-QAM	1882.5	-0.50	1 / 24	22.77	22.27	0.169	33.01	-10.74
	64-QAM	1882.5	-0.50	1 / 24	22.08	21.58	0.144	33.01	-11.43
	256-QAM	1852.5	-0.50	25 / 0	18.32	17.82	0.061	33.01	-15.19
3 MHz	QPSK	1851.5	-0.50	1 / 14	23.20	22.70	0.186	33.01	-10.31
		1882.5	-0.50	1 / 14	23.11	22.61	0.182	33.01	-10.40
		1913.5	-0.50	1 / 14	23.11	22.61	0.182	33.01	-10.40
	16-QAM	1882.5	-0.50	1 / 14	22.56	22.06	0.161	33.01	-10.95
	64-QAM	1882.5	-0.50	1 / 14	21.91	21.41	0.138	33.01	-11.60
	256-QAM	1851.5	-0.50	15 / 0	18.36	17.86	0.061	33.01	-15.15
1.4 MHz	QPSK	1850.7	-0.50	1 / 0	23.07	22.57	0.181	33.01	-10.44
		1882.5	-0.50	1 / 0	22.97	22.47	0.177	33.01	-10.54
		1914.3	-0.50	1 / 0	23.20	22.70	0.186	33.01	-10.31
	16-QAM	1882.5	-0.50	1 / 0	22.49	21.99	0.158	33.01	-11.02
	64-QAM	1882.5	-0.50	1 / 0	21.83	21.33	0.136	33.01	-11.68
	256-QAM	1850.7	-0.50	6 / 0	18.33	17.83	0.061	33.01	-15.18

Table 7-20. EIRP Data (LTE Band 25)

FCC ID: BCGA2379	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 170 of 198

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	1860.0	-0.50	1 / 50	23.16	22.66	0.185	33.01	-10.35
		1880.0	-0.50	1 / 50	23.05	22.55	0.180	33.01	-10.46
		1900.0	-0.50	1 / 99	22.74	22.24	0.167	33.01	-10.77
	16-QAM	1860.0	-0.50	1 / 50	22.85	22.35	0.172	33.01	-10.66
	64-QAM	1900.0	-0.50	1 / 0	21.74	21.24	0.133	33.01	-11.77
	256-QAM	1900.0	-0.50	1 / 0	18.49	17.99	0.063	33.01	-15.02
15 MHz	QPSK	1857.5	-0.50	1 / 37	23.18	22.68	0.185	33.01	-10.33
		1880.0	-0.50	1 / 37	22.91	22.41	0.174	33.01	-10.60
		1902.5	-0.50	1 / 0	22.85	22.35	0.172	33.01	-10.66
	16-QAM	1880.0	-0.50	1 / 0	22.44	21.94	0.156	33.01	-11.07
	64-QAM	1857.5	-0.50	1 / 0	21.83	21.33	0.136	33.01	-11.68
	256-QAM	1902.5	-0.50	1 / 74	18.57	18.07	0.064	33.01	-14.94
10 MHz	QPSK	1855.0	-0.50	1 / 25	22.98	22.48	0.177	33.01	-10.53
		1880.0	-0.50	1 / 49	22.92	22.42	0.175	33.01	-10.59
		1905.0	-0.50	1 / 25	22.89	22.39	0.173	33.01	-10.62
	16-QAM	1880.0	-0.50	1 / 25	22.39	21.89	0.155	33.01	-11.12
	64-QAM	1905.0	-0.50	1 / 0	21.27	20.77	0.119	33.01	-12.24
	256-QAM	1880.0	-0.50	1 / 49	18.59	18.09	0.064	33.01	-14.92
5 MHz	QPSK	1852.5	-0.50	1 / 24	23.14	22.64	0.184	33.01	-10.37
		1880.0	-0.50	1 / 24	23.02	22.52	0.179	33.01	-10.49
		1907.5	-0.50	1 / 24	22.83	22.33	0.171	33.01	-10.68
	16-QAM	1880.0	-0.50	1 / 0	22.72	22.22	0.167	33.01	-10.79
	64-QAM	1852.5	-0.50	1 / 0	21.71	21.21	0.132	33.01	-11.80
	256-QAM	1852.5	-0.50	1 / 24	18.61	18.11	0.065	33.01	-14.90
3 MHz	QPSK	1851.5	-0.50	1 / 0	23.06	22.56	0.180	33.01	-10.45
		1880.0	-0.50	1 / 14	22.89	22.39	0.173	33.01	-10.62
		1908.5	-0.50	1 / 14	22.83	22.33	0.171	33.01	-10.68
	16-QAM	1880.0	-0.50	1 / 14	22.36	21.86	0.153	33.01	-11.15
	64-QAM	1851.5	-0.50	1 / 7	21.28	20.78	0.120	33.01	-12.23
	256-QAM	1908.5	-0.50	1 / 0	18.58	18.08	0.064	33.01	-14.93
1.4 MHz	QPSK	1850.7	-0.50	1 / 0	22.94	22.44	0.175	33.01	-10.57
		1880.0	-0.50	1 / 0	22.82	22.32	0.171	33.01	-10.69
		1909.3	-0.50	1 / 0	23.01	22.51	0.178	33.01	-10.50
	16-QAM	1880.0	-0.50	1 / 0	22.35	21.85	0.153	33.01	-11.16
	64-QAM	1850.7	-0.50	1 / 0	21.27	20.77	0.119	33.01	-12.24
	256-QAM	1880.0	-0.50	1 / 0	18.41	17.91	0.062	33.01	-15.10

Table 7-21. EIRP Data (LTE Band 2)

FCC ID: BCGA2379	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 171 of 198

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	1860.0	-0.50	1 / 50	23.20	22.70	0.186	33.01	-10.31
		1882.5	-0.50	1 / 1	22.78	22.28	0.169	33.01	-10.73
		1905.0	-0.50	1 / 50	23.04	22.54	0.180	33.01	-10.47
	QPSK	1860.0	-0.50	1 / 98	22.99	22.49	0.178	33.01	-10.52
		1882.5	-0.50	1 / 98	22.95	22.45	0.176	33.01	-10.56
		1905.0	-0.50	1 / 98	23.08	22.58	0.181	33.01	-10.43
	16-QAM	1905.0	-0.50	1 / 1	22.50	22.00	0.158	33.01	-11.01
	64-QAM	1905.0	-0.50	1 / 98	20.86	20.36	0.109	33.01	-12.65
	256-QAM	1882.5	-0.50	1 / 1	18.90	18.40	0.069	33.01	-14.61
15 MHz	$\pi/2$ BPSK	1857.5	-0.50	1 / 1	23.20	22.70	0.186	33.01	-10.31
		1882.5	-0.50	1 / 75	23.16	22.66	0.184	33.01	-10.35
		1907.5	-0.50	1 / 75	23.07	22.57	0.181	33.01	-10.44
	QPSK	1857.5	-0.50	1 / 73	23.18	22.68	0.185	33.01	-10.33
		1882.5	-0.50	1 / 1	22.99	22.49	0.177	33.01	-10.52
		1907.5	-0.50	1 / 1	23.16	22.66	0.185	33.01	-10.35
	16-QAM	1857.5	-0.50	1 / 75	22.39	21.89	0.155	33.01	-11.12
	64-QAM	1857.5	-0.50	1 / 73	20.97	20.47	0.111	33.01	-12.54
	256-QAM	1882.5	-0.50	1 / 73	18.93	18.43	0.070	33.01	-14.58
10 MHz	$\pi/2$ BPSK	1855.0	-0.50	1 / 1	23.20	22.70	0.186	33.01	-10.31
		1882.5	-0.50	1 / 48	23.14	22.64	0.184	33.01	-10.37
		1910.0	-0.50	1 / 25	23.19	22.69	0.186	33.01	-10.32
	QPSK	1855.0	-0.50	1 / 1	23.17	22.67	0.185	33.01	-10.34
		1882.5	-0.50	1 / 1	23.13	22.63	0.183	33.01	-10.38
		1910.0	-0.50	1 / 25	23.06	22.56	0.180	33.01	-10.45
	16-QAM	1882.5	-0.50	1 / 25	21.97	21.47	0.140	33.01	-11.54
	64-QAM	1910.0	-0.50	1 / 25	20.91	20.41	0.110	33.01	-12.60
	256-QAM	1910.0	-0.50	1 / 1	19.05	18.55	0.072	33.01	-14.46
5 MHz	$\pi/2$ BPSK	1852.5	-0.50	1 / 23	22.90	22.40	0.174	33.01	-10.61
		1882.5	-0.50	1 / 1	23.11	22.61	0.182	33.01	-10.40
		1912.5	-0.50	1 / 1	23.08	22.58	0.181	33.01	-10.43
	QPSK	1852.5	-0.50	1 / 23	22.90	22.40	0.174	33.01	-10.61
		1882.5	-0.50	1 / 12	23.20	22.70	0.186	33.01	-10.31
		1912.5	-0.50	1 / 23	23.15	22.65	0.184	33.01	-10.36
	16-QAM	1882.5	-0.50	1 / 12	22.04	21.54	0.142	33.01	-11.47
	64-QAM	1882.5	-0.50	1 / 23	20.77	20.27	0.106	33.01	-12.74
	256-QAM	1912.5	-0.50	1 / 75	18.98	18.48	0.070	33.01	-14.53

Table 7-22. EIRP Data (NR Band n25 – DFTs-OFDM)

FCC ID: BCGA2379	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 172 of 198

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	1860.0	-0.50	1 / 50	23.20	22.70	0.186	33.01	-10.31
		1880.0	-0.50	1 / 50	23.17	22.67	0.185	33.01	-10.34
		1900.0	-0.50	1 / 1	23.02	22.52	0.179	33.01	-10.49
	QPSK	1860.0	-0.50	1 / 50	23.14	22.64	0.183	33.01	-10.37
		1880.0	-0.50	1 / 1	23.14	22.64	0.184	33.01	-10.37
		1900.0	-0.50	1 / 50	23.00	22.50	0.178	33.01	-10.51
	16-QAM	1900.0	-0.50	1 / 50	21.91	21.41	0.138	33.01	-11.60
	64-QAM	1860.0	-0.50	1 / 98	21.10	20.60	0.115	33.01	-12.41
	256-QAM	1860.0	-0.50	1 / 98	19.08	18.58	0.072	33.01	-14.43
15 MHz	$\pi/2$ BPSK	1857.5	-0.50	1 / 73	23.12	22.62	0.183	33.01	-10.39
		1880.0	-0.50	1 / 1	23.15	22.65	0.184	33.01	-10.36
		1902.5	-0.50	1 / 75	23.08	22.58	0.181	33.01	-10.43
	QPSK	1857.5	-0.50	1 / 75	23.20	22.70	0.186	33.01	-10.31
		1880.0	-0.50	1 / 1	22.90	22.40	0.174	33.01	-10.61
		1902.5	-0.50	1 / 1	22.90	22.40	0.174	33.01	-10.61
	16-QAM	1857.5	-0.50	1 / 73	21.76	21.26	0.134	33.01	-11.75
	64-QAM	1902.5	-0.50	1 / 73	20.73	20.23	0.105	33.01	-12.79
	256-QAM	1880.0	-0.50	1 / 75	19.33	18.83	0.076	33.01	-14.18
10 MHz	$\pi/2$ BPSK	1855.0	-0.50	1 / 1	23.20	22.70	0.186	33.01	-10.31
		1880.0	-0.50	1 / 48	23.14	22.64	0.184	33.01	-10.37
		1905.0	-0.50	1 / 48	22.94	22.44	0.175	33.01	-10.57
	QPSK	1855.0	-0.50	1 / 1	23.10	22.60	0.182	33.01	-10.41
		1880.0	-0.50	1 / 25	23.18	22.68	0.185	33.01	-10.33
		1905.0	-0.50	1 / 1	22.95	22.45	0.176	33.01	-10.56
	16-QAM	1880.0	-0.50	1 / 1	21.83	21.33	0.136	33.01	-11.68
	64-QAM	1855.0	-0.50	1 / 1	20.77	20.27	0.107	33.01	-12.74
	256-QAM	1880.0	-0.50	1 / 25	18.98	18.48	0.070	33.01	-14.53
5 MHz	$\pi/2$ BPSK	1852.5	-0.50	1 / 23	23.20	22.70	0.186	33.01	-10.31
		1880.0	-0.50	1 / 23	23.15	22.65	0.184	33.01	-10.36
		1907.5	-0.50	1 / 23	23.14	22.64	0.184	33.01	-10.37
	QPSK	1852.5	-0.50	1 / 12	23.14	22.64	0.184	33.01	-10.37
		1880.0	-0.50	1 / 12	23.15	22.65	0.184	33.01	-10.36
		1907.5	-0.50	1 / 23	23.07	22.57	0.181	33.01	-10.44
	16-QAM	1852.5	-0.50	1 / 1	21.96	21.46	0.140	33.01	-11.55
	64-QAM	1907.5	-0.50	1 / 23	20.64	20.14	0.103	33.01	-12.87
	256-QAM	1907.5	-0.50	1 / 75	19.10	18.60	0.072	33.01	-14.41

Table 7-23. EIRP Data (NR Band n2 – DFTs-OFDM)

FCC ID: BCGA2379	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
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GSM/GPRS PCS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1850.20	GPRS1900	28.35	-0.50	27.85	0.610	33.01	-5.16
1880.00	GPRS1900	28.49	-0.50	27.99	0.630	33.01	-5.02
1909.80	GPRS1900	28.44	-0.50	27.94	0.622	33.01	-5.07
1880.00	EDGE1900	23.48	-0.50	22.98	0.199	33.01	-10.03

Table 7-24. EIRP Data (GPRS PCS)

WCDMA PCS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1852.40	WCDMA1900	23.10	-0.50	22.60	0.182	33.01	-10.41
1880.00	WCDMA1900	22.93	-0.50	22.43	0.175	33.01	-10.58
1907.60	WCDMA1900	23.05	-0.50	22.55	0.180	33.01	-10.46

Table 7-25. EIRP Data (WCDMA PCS)

FCC ID: BCGA2379	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
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7.7 Radiated Spurious Emissions

§2.1053, 24.238(a)

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

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

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Test Setup

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

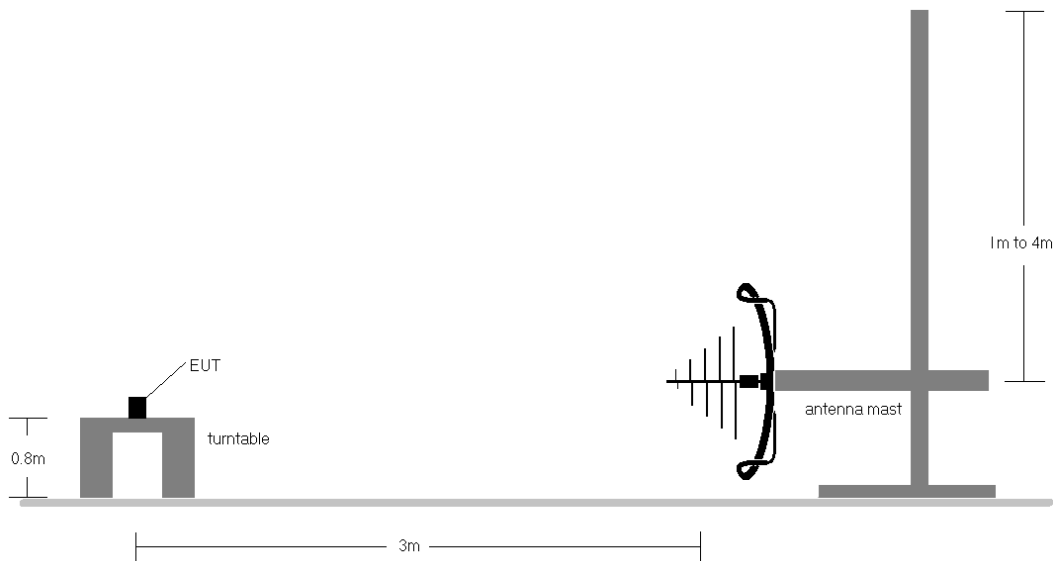


Figure 7-6. Test Instrument & Measurement Setup < 1GHz

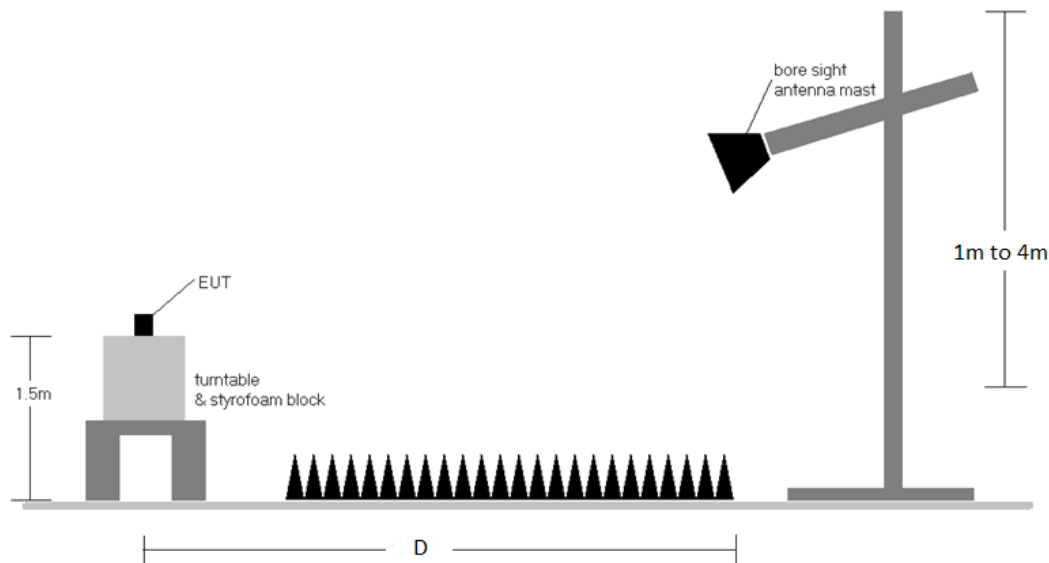


Figure 7-7. Test Instrument & Measurement Setup >1 GHz

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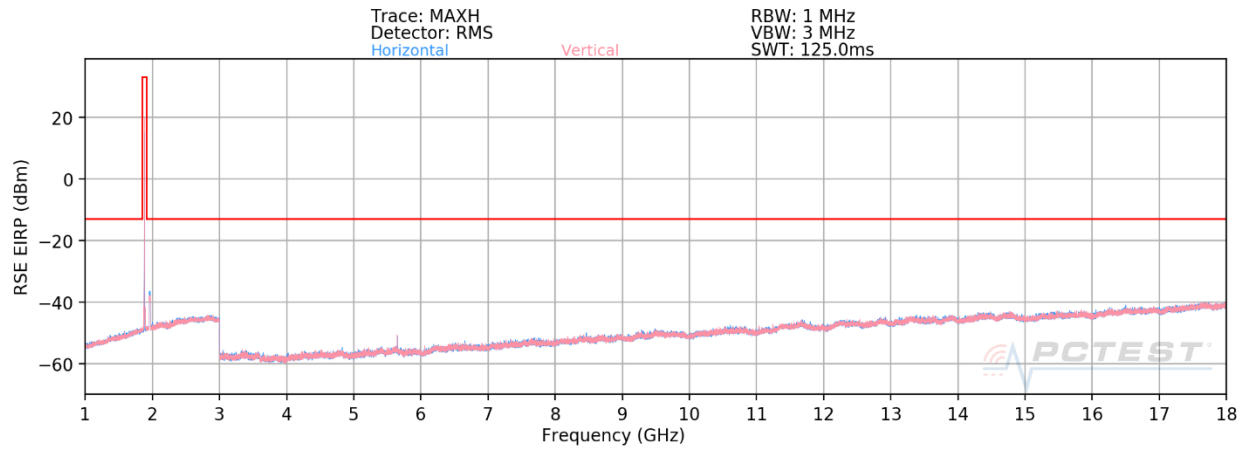
Test Notes

- 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) This device employs GSM, GPRS, and EDGE capabilities. The EUT was tested under all configurations and the highest powers is reported in GPRS mode while transmitting with one slot active.
- 3) 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".
- 4) 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.
- 5) This unit was tested with its standard battery.
- 6) The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
- 7) 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.
- 8) No significant emissions were found for below 1GHz and Above 18GHz measurement.
- 9) The "-" shown in the following RSE tables are used to denote a noise floor measurement.
- 10) 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.
- 11) 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.

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7.7.1 Antenna 3 – Radiated Spurious Emission Measurement

LTE Band 25/2



Plot 7-263. Radiated Spurious Plot (LTE Band 25/2)

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Bandwidth (MHz):	20
Frequency (MHz):	1860.0
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]
3720.0	V	130	176	-74.35	4.60	37.25	-58.01	-13.00	-45.01
5580.0	V	244	164	-63.42	8.34	51.92	-43.34	-13.00	-30.34
7440.0	V	-	-	-76.21	10.49	41.28	-53.98	-13.00	-40.98
9300.0	V	-	-	-77.29	13.91	43.62	-51.63	-13.00	-38.63
11160.0	V	-	-	-78.38	15.92	44.54	-50.71	-13.00	-37.71

Table 7-26. Radiated Spurious Data (LTE Band 25/2 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	1882.5
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]
3765.0	V	-	-	-75.57	4.88	36.31	-58.95	-13.00	-45.95
5647.5	V	144	161	-69.03	8.76	46.73	-48.53	-13.00	-35.53
7530.0	V	-	-	-76.02	11.09	42.07	-53.19	-13.00	-40.19
9412.5	V	-	-	-76.40	13.37	43.97	-51.28	-13.00	-38.28

Table 7-27. Radiated Spurious Data (LTE Band 25/2 – Mid Channel)

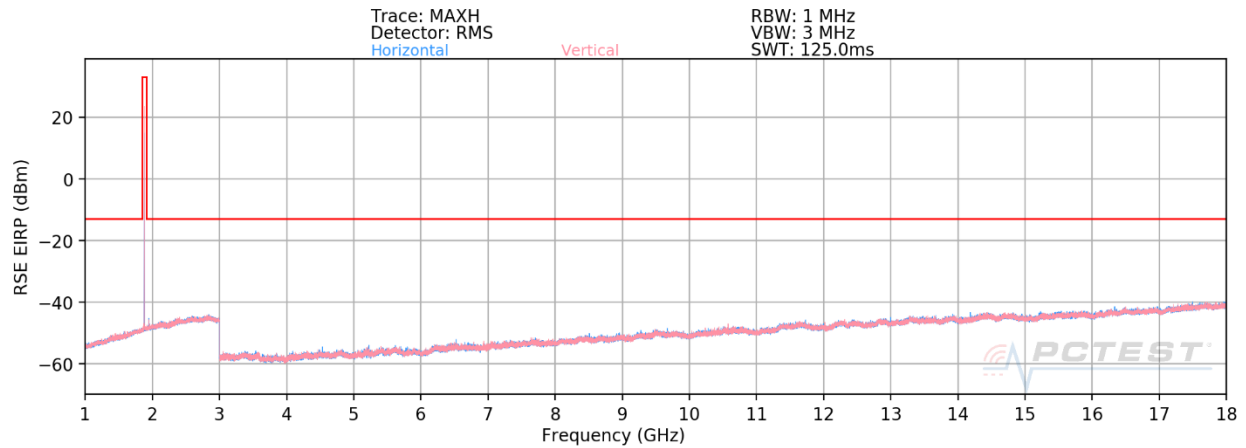
Bandwidth (MHz):	20
Frequency (MHz):	1905.0
RB / Offset:	1 / 50

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]
3810.00	V	-	-	-76.24	5.09	35.85	-59.41	-13.00	-46.41
5715.00	H	208	45	-69.16	8.03	45.87	-49.39	-13.00	-36.39
7620.00	H	-	-	-76.89	11.49	41.60	-53.66	-13.00	-40.66
9525.00	H	-	-	-77.05	14.52	44.47	-50.79	-13.00	-37.79

Table 7-28. Radiated Spurious Data (LTE Band 25/2 – High Channel)

FCC ID: BCGA2379	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 179 of 198

GSM/GPRS PCS



Plot 7-264. Radiated Spurious Plot (GPRS PCS)

FCC ID: BCGA2379	PCTEST Proud to be part of element		PART 24 MEASUREMENT REPORT Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 180 of 198

Mode:	GPRS 1 Tx Slot								
Channel:	512								
Frequency (MHz):	1850.2								
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]
3700.4	-	-	-	-75.72	12.02	43.30	-51.96	-13.00	-38.96
5550.6	V	142	210	-73.60	15.12	48.52	-46.73	-13.00	-33.73
7400.8	-	-	-	-77.12	18.65	48.53	-46.72	-13.00	-33.72
9251.0	-	-	-	-78.53	21.64	50.11	-45.14	-13.00	-32.14
11101.2	-	-	-	-79.98	24.97	51.99	-43.27	-13.00	-30.27

Table 7-29. Radiated Spurious Data (GPRS PCS – Low Channel)

Mode:	GPRS 1 Tx Slot								
Channel:	661								
Frequency (MHz):	1880								
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]
3760.0	-	-	-	-76.39	12.20	42.81	-52.45	-13.00	-39.45
5640.0	H	102	134	-75.11	15.28	47.17	-48.08	-13.00	-35.08
7520.0	-	-	-	-77.18	18.65	48.47	-46.79	-13.00	-33.79
9400.0	-	-	-	-77.17	21.94	51.77	-43.49	-13.00	-30.49
11280.0	-	-	-	-78.80	25.42	53.62	-41.64	-13.00	-28.64

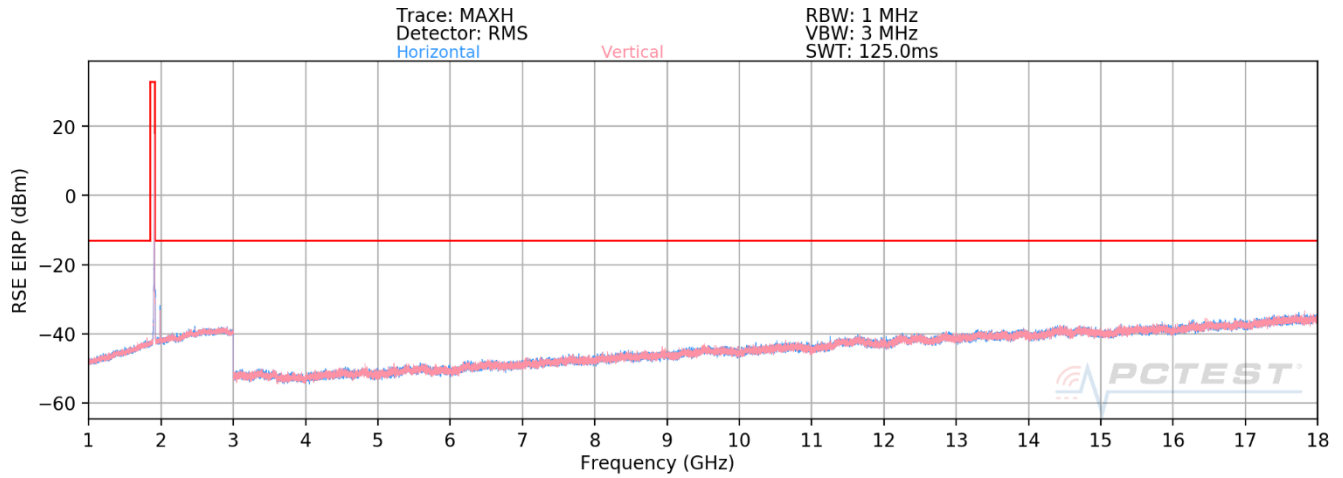
Table 7-30. Radiated Spurious Data (GPRS PCS – Mid Channel)

Mode:	GPRS 1 Tx Slot								
Channel:	810								
Frequency (MHz):	1909.8								
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]
3819.6	-	-	-	-76.24	12.08	42.84	-52.42	-13.00	-39.42
5729.4	-	-	-	-76.61	15.60	45.99	-49.27	-13.00	-36.27
7639.2	-	-	-	-77.30	18.76	48.46	-46.80	-13.00	-33.80

Table 7-31. Radiated Spurious Data (GPRS PCS – High Channel)

FCC ID: BCGA2379	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 181 of 198

WCDMA PCS



Plot 7-265. Radiated Spurious Plot (WCDMA PCS)

FCC ID: BCGA2379	PCTEST Proud to be part of element		PART 24 MEASUREMENT REPORT Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 182 of 198

Mode:	WCDMA RMC
Channel:	9262
Frequency (MHz):	1852.4

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]
3704.8	-	-	-	-78.77	4.52	32.75	-62.50	-13.00	-49.50
5557.2	-	-	-	-78.94	7.90	35.96	-59.30	-13.00	-46.30
7409.6	-	-	-	-79.89	10.69	37.80	-57.46	-13.00	-44.46

Table 7-32. Radiated Spurious Data (WCDMA PCS – Low Channel)

Mode:	WCDMA RMC
Channel:	9400
Frequency (MHz):	1880

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]
3760.0	-	-	-	-80.47	4.87	31.40	-63.86	-13.00	-50.86
5640.0	-	-	-	-81.12	8.64	34.52	-60.74	-13.00	-47.74
7520.0	-	-	-	-81.29	11.07	36.78	-58.48	-13.00	-45.48

Table 7-33. Radiated Spurious Data (WCDMA PCS – Mid Channel)

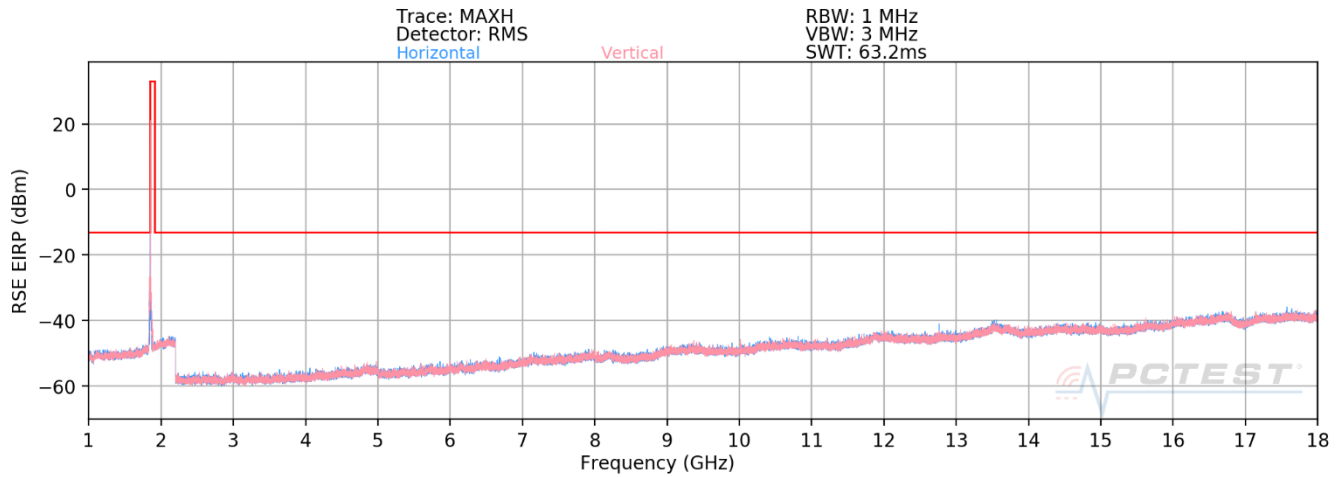
Mode:	WCDMA RMC
Channel:	9538
Frequency (MHz):	1907.6

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]
3815.2	-	-	-	-79.28	5.18	32.90	-62.36	-13.00	-49.36
5722.8	-	-	-	-79.49	7.81	35.32	-59.94	-13.00	-46.94
7630.4	-	-	-	-80.46	11.52	38.06	-57.20	-13.00	-44.20

Table 7-34. Radiated Spurious Data (WCDMA PCS – High Channel)

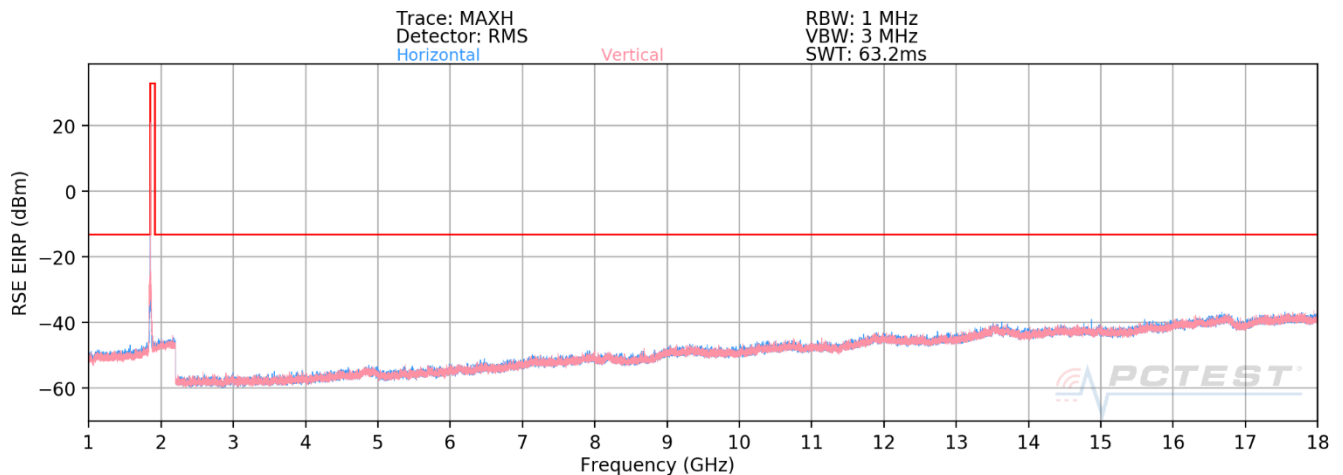
FCC ID: BCGA2379	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 183 of 198

EN-DC – n2 + LTE Band 12



Plot 7-266. Radiated Spurious Emission 1GHz – 18GHz (NR Band n2 + Anchor LTE Band 12 – EN-DC)

EN-DC – n25 + LTE Band 12



Plot 7-267. Radiated Spurious Emission 1GHz – 18GHz (NR Band n25 + Anchor LTE Band 12 – EN-DC)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 184 of 198

7.7.2 Antenna 1 – Radiated Spurious Emission Measurement

LTE Band 25/2

Bandwidth (MHz):	20
Frequency (MHz):	1860.0
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]
3720.0	H	-	-	-78.73	4.60	32.87	-62.39	-13.00	-49.39
5580.0	H	-	-	-80.51	8.34	34.83	-60.43	-13.00	-47.43
7440.0	H	-	-	-81.30	10.49	36.19	-59.07	-13.00	-46.07

Table 7-35. Radiated Spurious Data (LTE Band 25/2 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	1882.5
RB / Offset:	1 / 50
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz

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]
3765.0	H	250	270	-79.95	4.88	31.93	-63.33	-13.00	-50.33
5647.5	H	-	-	-80.92	8.76	34.84	-60.42	-13.00	-47.42
7530.0	H	-	-	-81.85	11.09	36.24	-59.02	-13.00	-46.02
9412.5	H	-	-	-81.39	13.37	38.98	-56.27	-13.00	-43.27

Table 7-36. Radiated Spurious Data (LTE Band 25/2 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	1905.0
RB / Offset:	1 / 50
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz

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]
3810.00	H	243	279	-80.23	5.09	31.86	-63.40	-13.00	-50.40
5715.00	H	-	-	-81.39	8.03	33.64	-61.62	-13.00	-48.62
7620.00	H	-	-	-81.74	11.49	36.75	-58.51	-13.00	-45.51
9525.00	H	-	-	-81.47	14.52	40.05	-55.21	-13.00	-42.21

Table 7-37. Radiated Spurious Data (LTE Band 25/2 – High Channel)

FCC ID: BCGA2379	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 185 of 198

GSM/GPRS PCS

Mode:	GPRS 1 Tx Slot
Channel:	512
Frequency (MHz):	1850.2

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]
3700.4	-	-	-	-76.19	4.52	35.33	-59.93	-13.00	-46.93
5550.6	-	-	-	-76.49	7.67	38.18	-57.07	-13.00	-44.07
7400.8	-	-	-	-77.32	10.60	40.28	-54.97	-13.00	-41.97
9251.0	-	-	-	-78.53	21.64	50.11	-45.14	-13.00	-32.14
11101.2	-	-	-	-79.98	24.97	51.99	-43.27	-13.00	-30.27

Table 7-38. Radiated Spurious Data (GPRS PCS – Low Channel)

Mode:	GPRS 1 Tx Slot
Channel:	661
Frequency (MHz):	1880

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]
3760.0	H	179	51	-70.92	4.87	40.95	-54.31	-13.00	-41.31
5640.0	-	-	-	-76.29	8.64	39.35	-55.91	-13.00	-42.91
7520.0	-	-	-	-77.01	11.07	41.06	-54.20	-13.00	-41.20
9400.0	-	-	-	-76.94	13.22	43.28	-51.98	-13.00	-38.98
11280.0	-	-	-	-78.80	25.42	53.62	-41.64	-13.00	-28.64

Table 7-39. Radiated Spurious Data (GPRS PCS – Mid Channel)

Mode:	GPRS 1 Tx Slot
Channel:	810
Frequency (MHz):	1909.8

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]
3819.6	-	-	-	-76.37	5.25	35.88	-59.38	-13.00	-46.38
5729.4	-	-	-	-76.83	7.61	37.78	-57.48	-13.00	-44.48
7639.2	-	-	-	-77.68	11.56	40.88	-54.37	-13.00	-41.37

Table 7-40. Radiated Spurious Data (GPRS PCS – High Channel)

FCC ID: BCGA2379	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
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WCDMA PCS

Mode:	WCDMA RMC
Channel:	9262
Frequency (MHz):	1852.4

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]
3704.8	-	-	-	-78.77	4.52	32.75	-62.50	-13.00	-49.50
5557.2	-	-	-	-78.92	7.90	35.98	-59.28	-13.00	-46.28
7409.6	-	-	-	-79.81	10.69	37.88	-57.38	-13.00	-44.38

Table 7-41. Radiated Spurious Data (WCDMA PCS – Low Channel)

Mode:	WCDMA RMC
Channel:	9400
Frequency (MHz):	1880

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]
3760.0	-	-	-	-78.93	4.87	32.94	-62.32	-13.00	-49.32
5640.0	-	-	-	-79.62	8.64	36.02	-59.24	-13.00	-46.24
7520.0	-	-	-	-79.78	11.07	38.29	-56.97	-13.00	-43.97

Table 7-42. Radiated Spurious Data (WCDMA PCS – Mid Channel)

Mode:	WCDMA RMC
Channel:	9538
Frequency (MHz):	1907.6

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]
3815.2	-	-	-	-79.23	5.18	32.95	-62.31	-13.00	-49.31
5722.8	-	-	-	-79.39	7.81	35.42	-59.84	-13.00	-46.84
7630.4	-	-	-	-80.40	11.52	38.12	-57.14	-13.00	-44.14

Table 7-43. Radiated Spurious Data (WCDMA PCS – High Channel)

FCC ID: BCGA2379	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
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7.7.3 Antenna 4b – Radiated Spurious Emission Measurement

LTE Band 25/2

Bandwidth (MHz):	20
Frequency (MHz):	1860.0
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]
3720.0	H	-	-	-78.93	4.60	32.67	-62.59	-13.00	-49.59
5580.0	H	-	-	-78.95	8.34	36.39	-58.87	-13.00	-45.87
7440.0	H	-	-	-79.97	10.49	37.52	-57.74	-13.00	-44.74

Table 7-44. Radiated Spurious Data (LTE Band 25/2 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	1882.5
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]
3765.0	H	-	-	-80.76	4.88	31.12	-64.14	-13.00	-51.14
5647.5	H	-	-	-81.00	8.76	34.76	-60.50	-13.00	-47.50
7530.0	H	-	-	-81.25	11.09	36.84	-58.42	-13.00	-45.42

Table 7-45. Radiated Spurious Data (LTE Band 25/2 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	1905.0
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]
3810.00	H	244	275	-80.54	5.09	31.55	-63.71	-13.00	-50.71
5715.00	H	-	-	-81.38	8.03	33.65	-61.61	-13.00	-48.61
7620.00	H	-	-	-81.83	11.49	36.66	-58.60	-13.00	-45.60
9525.00	H	-	-	-81.50	14.52	40.02	-55.24	-13.00	-42.24

Table 7-46. Radiated Spurious Data (LTE Band 25/2 – High Channel)

FCC ID: BCGA2379	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 188 of 198

GSM/GPRS PCS

Mode:	GPRS 1 Tx Slot
Channel:	512
Frequency (MHz):	1850.2

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]
3700.4	-	-	-	-75.85	4.52	35.67	-59.59	-13.00	-46.59
5550.6	V	150	223	-75.78	7.67	38.89	-56.36	-13.00	-43.36
7400.8	-	-	-	-77.01	10.60	40.59	-54.66	-13.00	-41.66
9251.0	-	-	-	-78.60	14.05	42.45	-52.81	-13.00	-39.81
11101.2	-	-	-	-78.41	15.90	44.49	-50.77	-13.00	-37.77

Table 7-47. Radiated Spurious Data (GPRS PCS – Low Channel)

Mode:	GPRS 1 Tx Slot
Channel:	661
Frequency (MHz):	1880

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]
3760.0	-	-	-	-76.05	4.87	35.82	-59.44	-13.00	-46.44
5640.0	V	146	201	-75.77	8.64	39.87	-55.39	-13.00	-42.39
7520.0	-	-	-	-77.25	11.07	40.82	-54.44	-13.00	-41.44
9400.0	-	-	-	-77.67	13.22	42.55	-52.71	-13.00	-39.71
11280.0	-	-	-	-78.68	16.07	44.39	-50.87	-13.00	-37.87

Table 7-48. Radiated Spurious Data (GPRS PCS – Mid Channel)

Mode:	GPRS 1 Tx Slot
Channel:	810
Frequency (MHz):	1909.8

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]
3819.6	-	-	-	-76.78	5.25	35.47	-59.79	-13.00	-46.79
5729.4	-	317	207	-76.26	7.61	38.35	-56.91	-13.00	-43.91
7639.2	-	-	-	-77.90	11.56	40.66	-54.59	-13.00	-41.59
9549.0	-	-	-	-78.27	14.75	43.48	-51.78	-13.00	-38.78
11458.8	-	-	-	-78.03	17.07	46.04	-49.22	-13.00	-36.22

Table 7-49. Radiated Spurious Data (GPRS PCS – High Channel)

FCC ID: BCGA2379	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-03-R1.BCG	Test Dates: 12/15/2020 - 02/20/2021	EUT Type: Tablet Device	Page 189 of 198

WCDMA PCS

Mode:	WCDMA RMC
Channel:	9262
Frequency (MHz):	1852.4

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]
3704.8	-	-	-	-78.77	4.52	32.75	-62.50	-13.00	-49.50
5557.2	-	-	-	-78.93	7.90	35.97	-59.29	-13.00	-46.29
7409.6	-	-	-	-81.41	10.69	36.28	-58.98	-13.00	-45.98

Table 7-50. Radiated Spurious Data (WCDMA PCS – Low Channel)

Mode:	WCDMA RMC
Channel:	9400
Frequency (MHz):	1880

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]
3760.0	-	-	-	-78.97	4.87	32.90	-62.36	-13.00	-49.36
5640.0	-	-	-	-79.62	8.64	36.02	-59.24	-13.00	-46.24
7520.0	-	-	-	-79.82	11.07	38.25	-57.01	-13.00	-44.01

Table 7-51. Radiated Spurious Data (WCDMA PCS – Mid Channel)

Mode:	WCDMA RMC
Channel:	9538
Frequency (MHz):	1907.6

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]
3815.2	-	-	-	-79.27	5.18	32.91	-62.35	-13.00	-49.35
5722.8	-	-	-	-79.42	7.81	35.39	-59.87	-13.00	-46.87
7630.4	-	-	-	-80.29	11.52	38.23	-57.03	-13.00	-44.03

Table 7-52. Radiated Spurious Data (WCDMA PCS – High Channel)

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7.7.4 Antenna 2b – Radiated Spurious Emission Measurement

LTE Band 25/2

Bandwidth (MHz):	20
Frequency (MHz):	1860.0
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]
3720.0	V	-	-	-89.04	14.04	32.00	-63.26	-13.00	-50.26
5580.0	V	-	-	-89.81	17.15	34.34	-60.92	-13.00	-47.92
7440.0	V	-	-	-90.09	20.22	37.13	-58.12	-13.00	-45.12

Table 7-53. Radiated Spurious Data (LTE Band 25/2 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	1882.5
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]
3765.0	V	-	-	-89.43	14.18	31.75	-63.51	-13.00	-50.51
5647.5	V	-	-	-90.06	17.32	34.26	-61.00	-13.00	-48.00
7530.0	V	-	-	-89.75	20.27	37.52	-57.74	-13.00	-44.74

Table 7-54. Radiated Spurious Data (LTE Band 25/2 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	1905.0
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]
3810.00	V	-	-	-89.72	14.19	31.47	-63.79	-13.00	-50.79
5715.00	V	-	-	-90.41	17.30	33.89	-61.36	-13.00	-48.36
7620.00	V	-	-	-89.75	20.51	37.76	-57.50	-13.00	-44.50

Table 7-55. Radiated Spurious Data (LTE Band 25/2 – High Channel)

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GSM/GPRS PCS

Mode:	GPRS 1 Tx Slot
Channel:	512
Frequency (MHz):	1850.2

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]
3700.4	V	330	27	-75.55	4.52	35.97	-59.29	-13.00	-46.29
5550.6	V	289	127	-74.91	7.67	39.76	-55.49	-13.00	-42.49
7400.8	-	-	-	-77.13	10.60	40.47	-54.78	-13.00	-41.78
9251.0	-	-	-	-78.63	14.05	42.42	-52.84	-13.00	-39.84
11101.2	-	-	-	-79.92	15.90	42.98	-52.28	-13.00	-39.28

Table 7-56. Radiated Spurious Data (GPRS PCS – Low Channel)

Mode:	GPRS 1 Tx Slot
Channel:	661
Frequency (MHz):	1880

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]
3760.0	V	272	21	-75.69	4.87	36.18	-59.08	-13.00	-46.08
5640.0	-	-	-	-77.18	8.64	38.46	-56.80	-13.00	-43.80
7520.0	-	-	-	-76.97	11.07	41.10	-54.16	-13.00	-41.16
9400.0	-	-	-	-77.45	13.22	42.77	-52.49	-13.00	-39.49

Table 7-57. Radiated Spurious Data (GPRS PCS – Mid Channel)

Mode:	GPRS 1 Tx Slot
Channel:	810
Frequency (MHz):	1909.8

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]
3819.6	-	-	-	-77.84	5.25	34.41	-60.85	-13.00	-47.85
5729.4	-	-	-	-76.96	7.61	37.65	-57.61	-13.00	-44.61
7639.2	-	-	-	-77.38	11.56	41.18	-54.07	-13.00	-41.07

Table 7-58. Radiated Spurious Data (GPRS PCS – High Channel)

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WCDMA PCS

Mode:	WCDMA RMC
Channel:	9262
Frequency (MHz):	1852.4

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]
3704.8	-	-	-	-78.78	4.52	32.74	-62.51	-13.00	-49.51
5557.2	-	-	-	-78.95	7.90	35.95	-59.31	-13.00	-46.31
7409.6	-	-	-	-79.84	10.69	37.85	-57.41	-13.00	-44.41

Table 7-59. Radiated Spurious Data (WCDMA PCS – Low Channel)

Mode:	WCDMA RMC
Channel:	9400
Frequency (MHz):	1880

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]
3760.0	-	-	-	-78.97	4.87	32.90	-62.36	-13.00	-49.36
5640.0	-	-	-	-79.63	8.64	36.01	-59.25	-13.00	-46.25
7520.0	-	-	-	-79.79	11.07	38.28	-56.98	-13.00	-43.98

Table 7-60. Radiated Spurious Data (WCDMA PCS – Mid Channel)

Mode:	WCDMA RMC
Channel:	9538
Frequency (MHz):	1907.6

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]
3815.2	-	-	-	-79.27	5.18	32.91	-62.35	-13.00	-49.35
5722.8	-	-	-	-79.42	7.81	35.39	-59.87	-13.00	-46.87
7630.4	-	-	-	-80.29	11.52	38.23	-57.03	-13.00	-44.03

Table 7-61. Radiated Spurious Data (WCDMA PCS – High Channel)

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7.8 Frequency Stability / Temperature Variation

§2.1055, §24.235

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 24 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

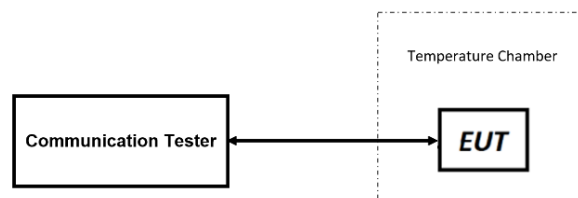


Figure 7-8. Test Instrument & Measurement Setup

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.

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Frequency Stability / Temperature Variation

LTE Band 25/2 and NR Band n25/n2							
			Low Channel Frequency (Hz):		1,852,400,000		
			High Channel Frequency (Hz):		1,907,600,000		
			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	1,852,400,000	1,907,600,000	-2.46	-1.46	-0.0000001
		- 20	1,852,400,000	1,907,600,000	-2.80	-1.52	-0.0000002
		- 10	1,852,400,000	1,907,600,000	-2.65	-1.35	-0.0000001
		0	1,852,400,000	1,907,600,000	-2.57	-1.58	-0.0000001
		+ 10	1,852,400,000	1,907,600,000	-2.81	-1.38	-0.0000002
		+ 20 (Ref)	1,852,400,002	1,907,600,001	0.00	0.00	0.0000000
		+ 30	1,852,400,000	1,907,600,000	-2.90	-1.58	-0.0000002
		+ 40	1,852,400,000	1,907,599,999	-2.46	-1.80	-0.0000001
		+ 50	1,852,400,000	1,907,600,000	-2.72	-1.58	-0.0000001
Battery Endpoint	3.23	+ 20	1,852,400,000	1,907,600,000	-2.54	-1.47	-0.0000001

Table 7-62. LTE Band 25/2 and NR Band n25/n2 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

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Frequency Stability / Temperature Variation

GSM/GPRS PCS							
			Low Channel Frequency (Hz):		1,850,000,000		
			High Channel Frequency (Hz):		1,909,800,000		
			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	1,850,000,000	1,909,800,000	-2.82	-1.65	-0.0000002
		- 20	1,850,000,000	1,909,800,000	-2.88	-1.74	-0.0000002
		- 10	1,850,000,000	1,909,800,000	-2.89	-1.45	-0.0000002
		0	1,850,000,000	1,909,800,000	-2.42	-1.76	-0.0000001
		+ 10	1,850,000,000	1,909,800,000	-2.96	-1.28	-0.0000002
		+ 20 (Ref)	1,850,000,003	1,909,800,002	0.00	0.00	0.0000000
		+ 30	1,850,000,000	1,909,800,000	-2.45	-1.54	-0.0000001
		+ 40	1,850,000,000	1,909,800,000	-2.85	-1.66	-0.0000002
		+ 50	1,850,000,000	1,909,800,000	-2.85	-1.35	-0.0000002
Battery Endpoint	3.23	+ 20	1,850,000,000	1,909,800,000	-2.45	-1.41	-0.0000001

Table 7-63. GSM/GPRS PCS 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

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Frequency Stability / Temperature Variation

WCDMA PCS							
			Low Channel Frequency (Hz):		1,852,400,000		
			High Channel Frequency (Hz):		1,907,600,000		
			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	1,852,400,000	1,907,600,000	-2.76	-1.70	-0.0000001
		- 20	1,852,400,000	1,907,600,000	-2.99	-1.71	-0.0000002
		- 10	1,852,400,000	1,907,600,000	-2.94	-1.25	-0.0000002
		0	1,852,400,000	1,907,600,000	-2.92	-1.30	-0.0000002
		+ 10	1,852,400,000	1,907,600,000	-2.74	-1.54	-0.0000001
		+ 20 (Ref)	1,852,400,003	1,907,600,001	0.00	0.00	0.0000000
		+ 30	1,852,400,000	1,907,600,000	-2.81	-1.76	-0.0000002
		+ 40	1,852,400,000	1,907,600,000	-2.66	-1.28	-0.0000001
		+ 50	1,852,400,000	1,907,600,000	-2.58	-1.38	-0.0000001
Battery Endpoint	3.23	+ 20	1,852,400,000	1,907,599,999	-2.82	-1.78	-0.0000002

Table 7-64. WCDMA PCS 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

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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 24 of the FCC rules.

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