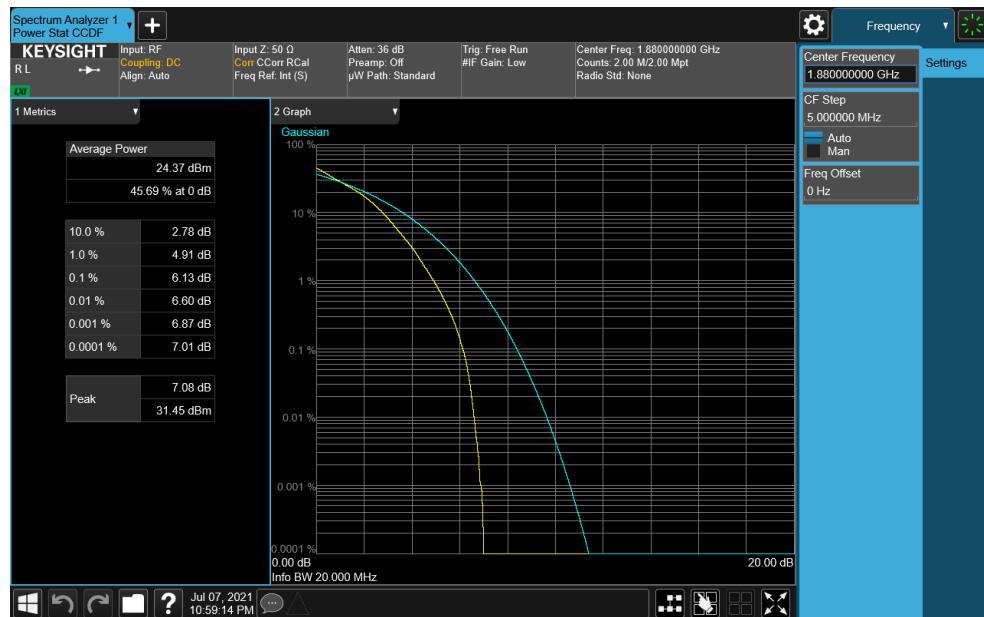
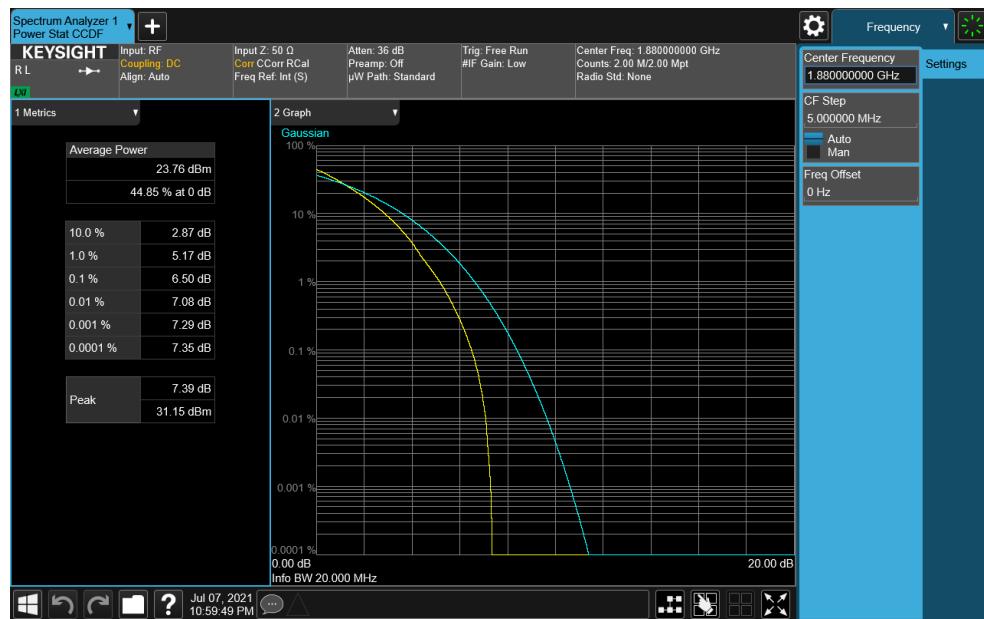
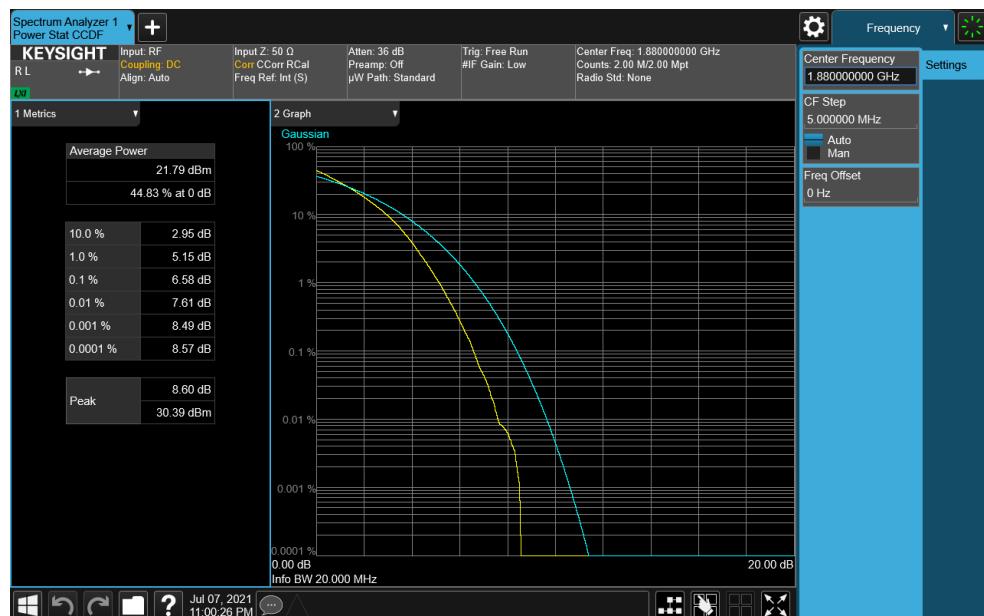


Plot 7-257. PAR Plot (NR Band n2 - 20.0MHz CP-OFDM QPSK - Full RB)



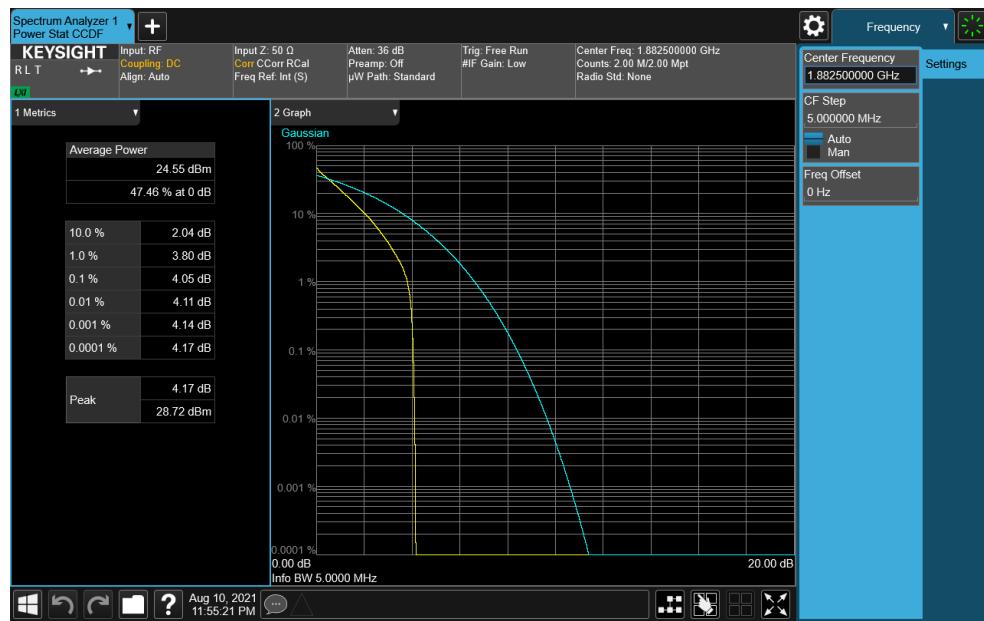
Plot 7-258. PAR Plot (NR Band n2 - 20.0MHz CP-OFDM 16-QAM - Full RB)

FCC ID: BCGA2568	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-02.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device	Page 150 of 214

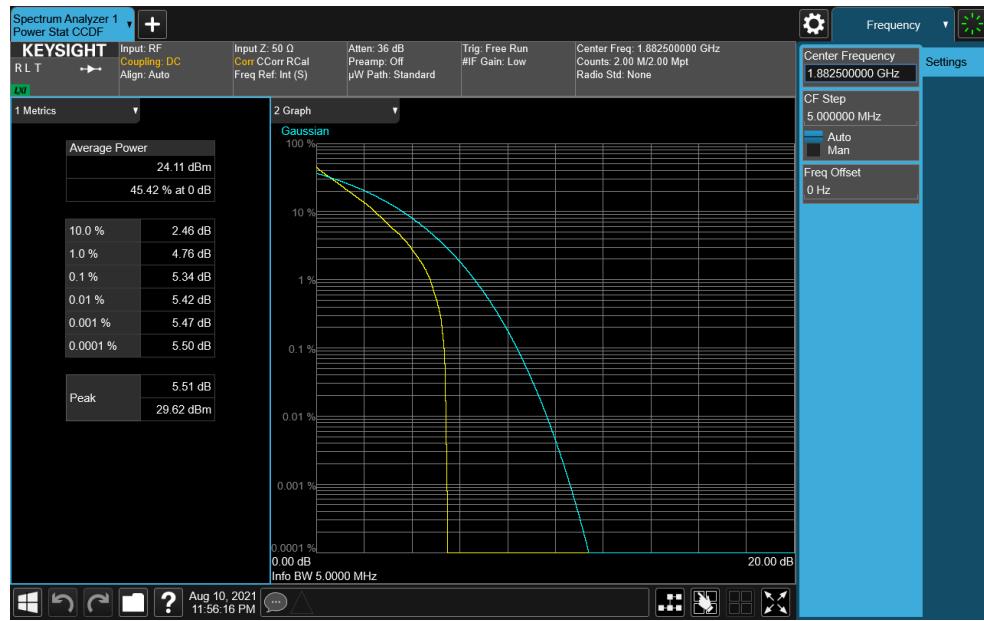

Plot 7-259. PAR Plot (NR Band n2 - 20.0MHz CP-OFDM 64-QAM - Full RB)

Plot 7-260. PAR Plot (NR Band n2 - 20.0MHz CP-OFDM 256-QAM - Full RB)

FCC ID: BCGA2568	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-02.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device	Page 151 of 214

NR Band n25



Plot 7-261. PAR Plot (NR Band n25 - 5.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)



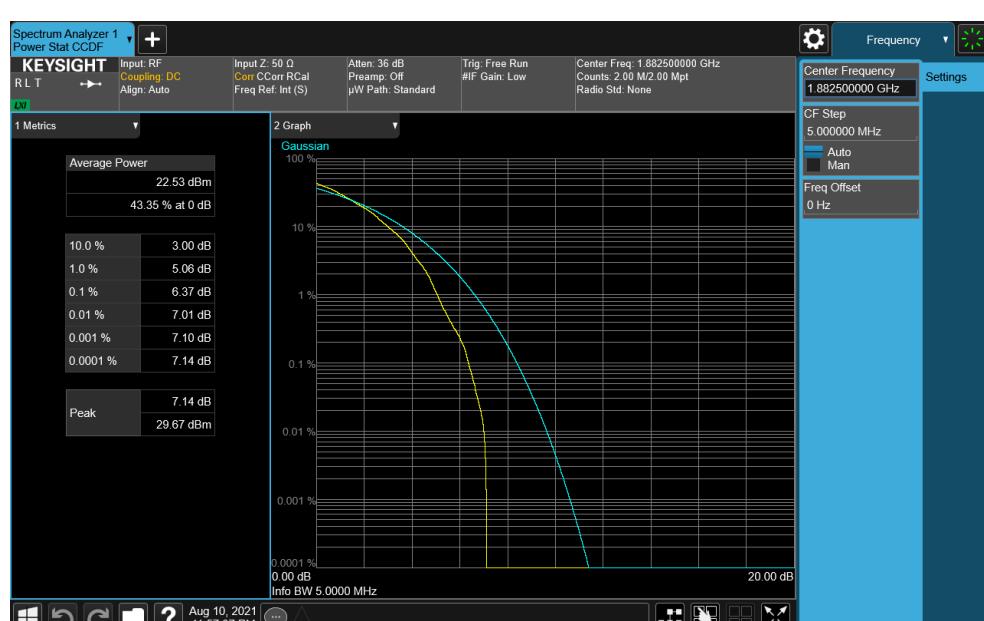
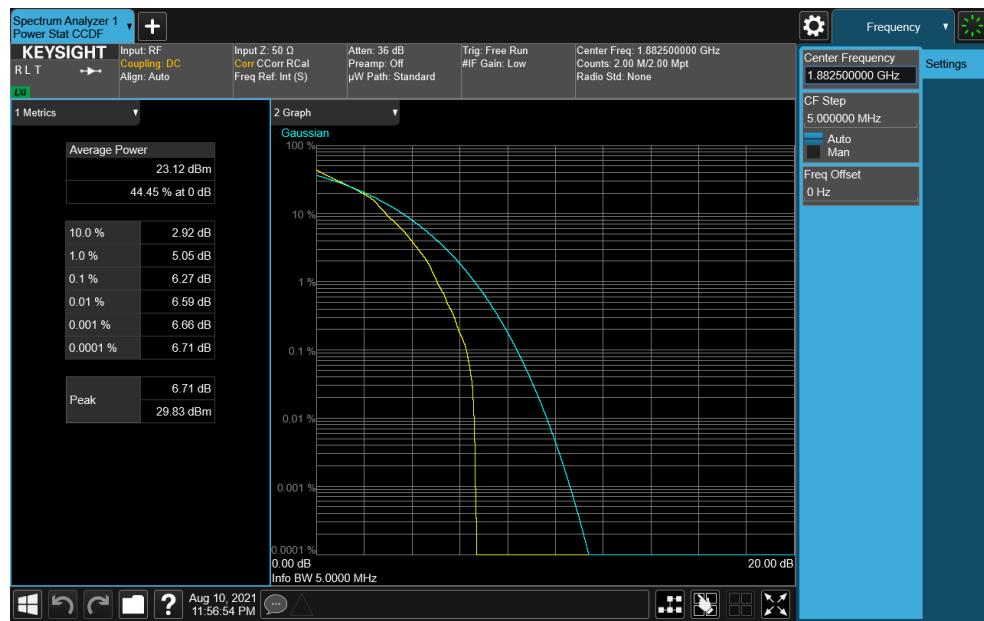
Plot 7-262. PAR Plot (NR Band n25 - 5.0MHz CP-OFDM QPSK - Full RB)

FCC ID: BCGA2568	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-02.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device	Page 152 of 214

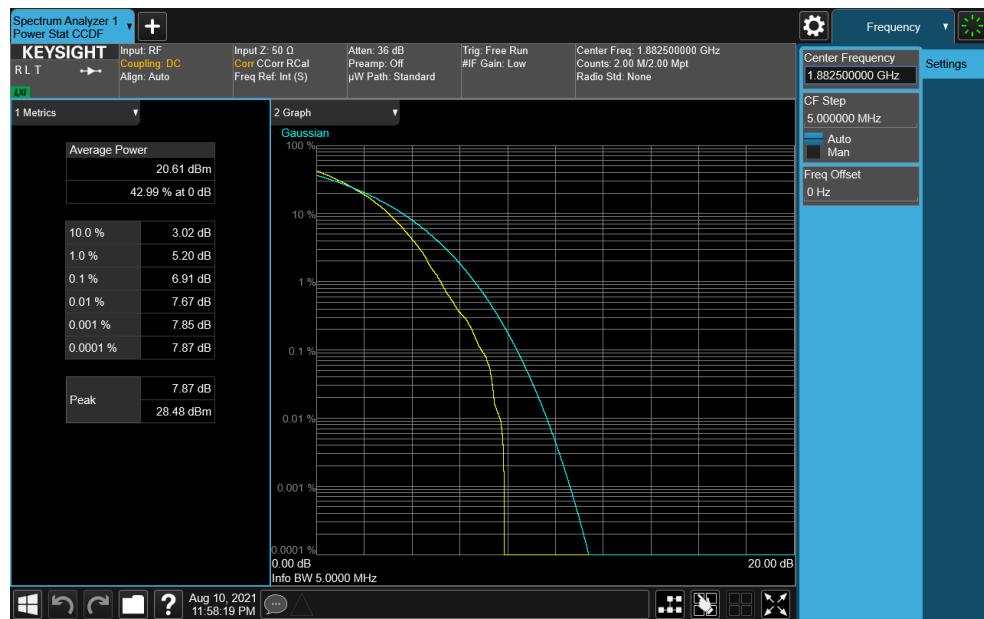
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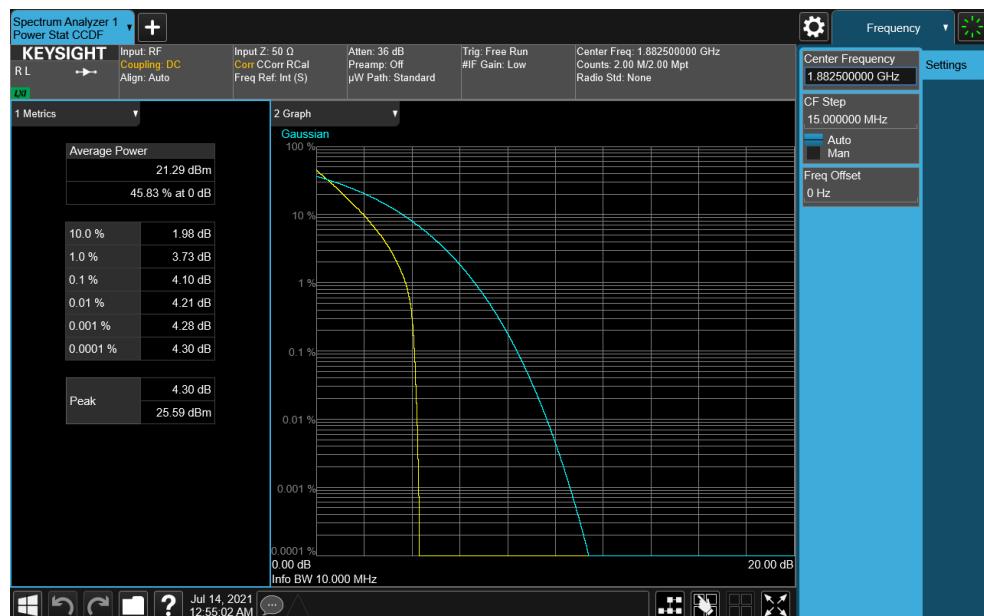
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FCC ID: BCGA2568	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-02.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device	Page 153 of 214

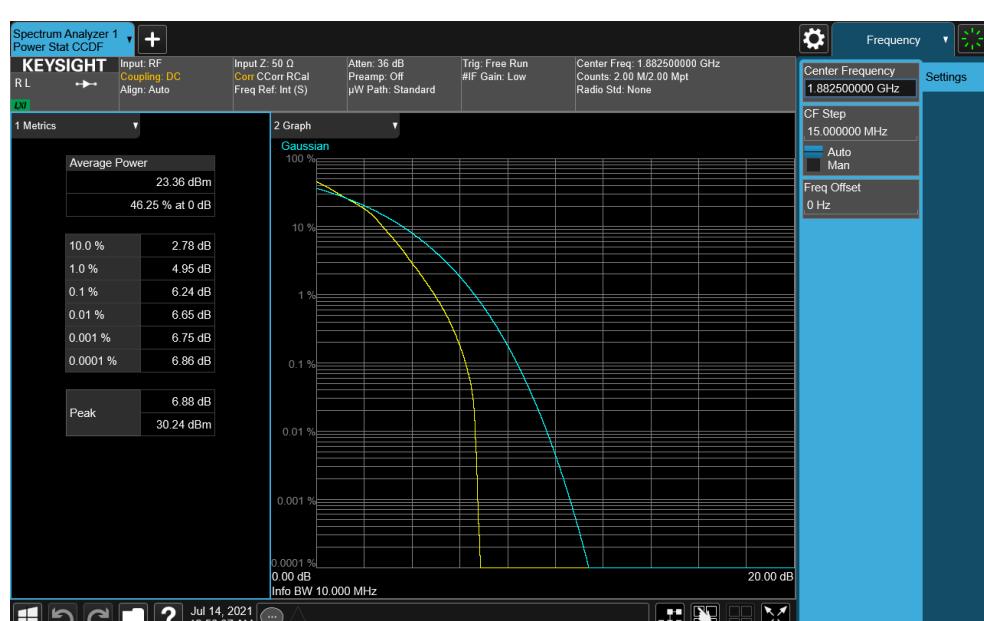
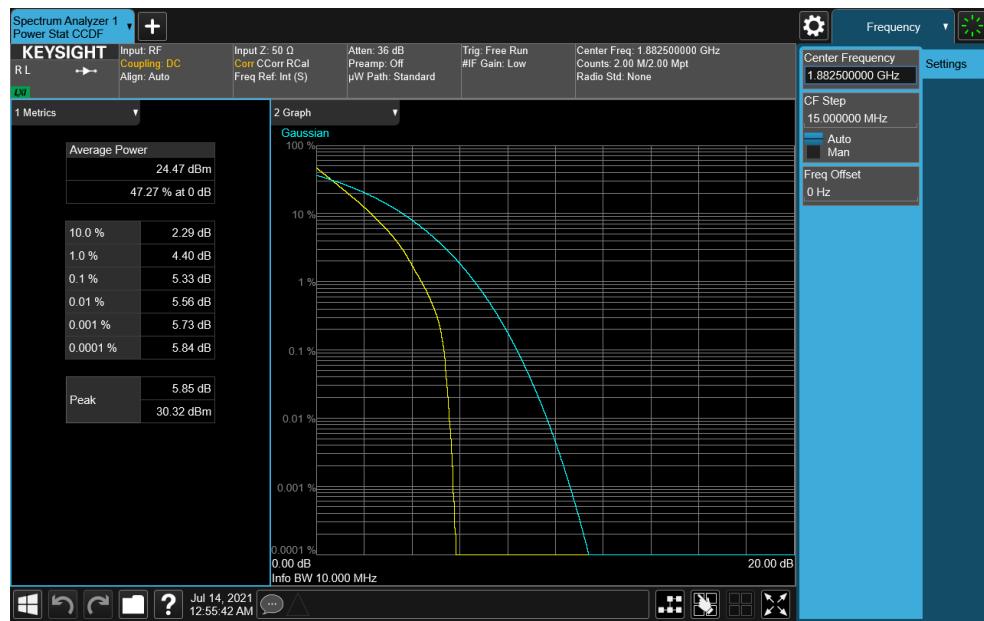


Plot 7-265. PAR Plot (NR Band n25 - 5.0MHz CP-OFDM 256-QAM - Full RB)

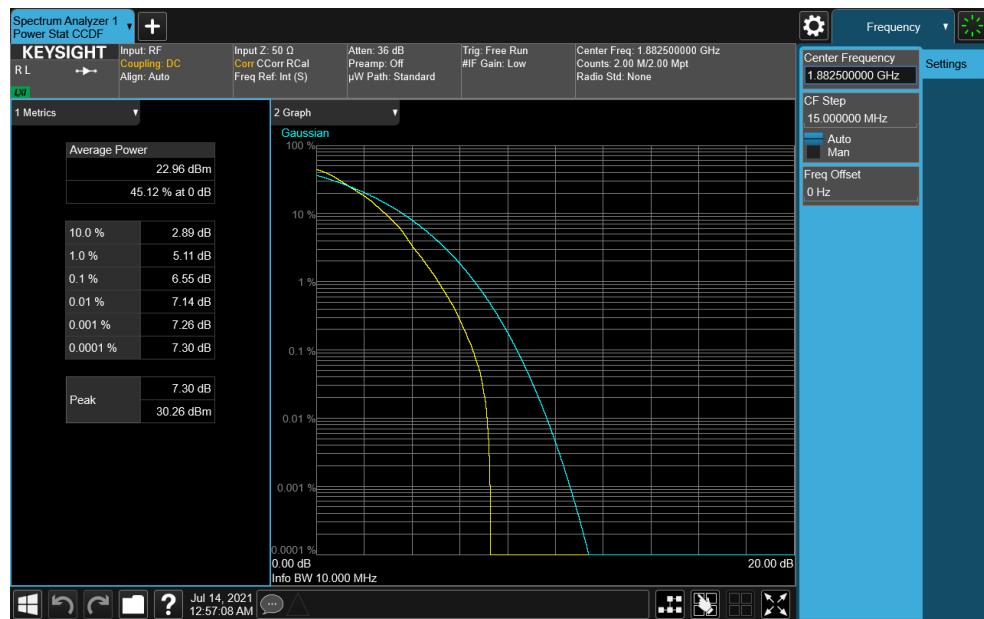


Plot 7-266. PAR Plot (NR Band n25 - 10.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

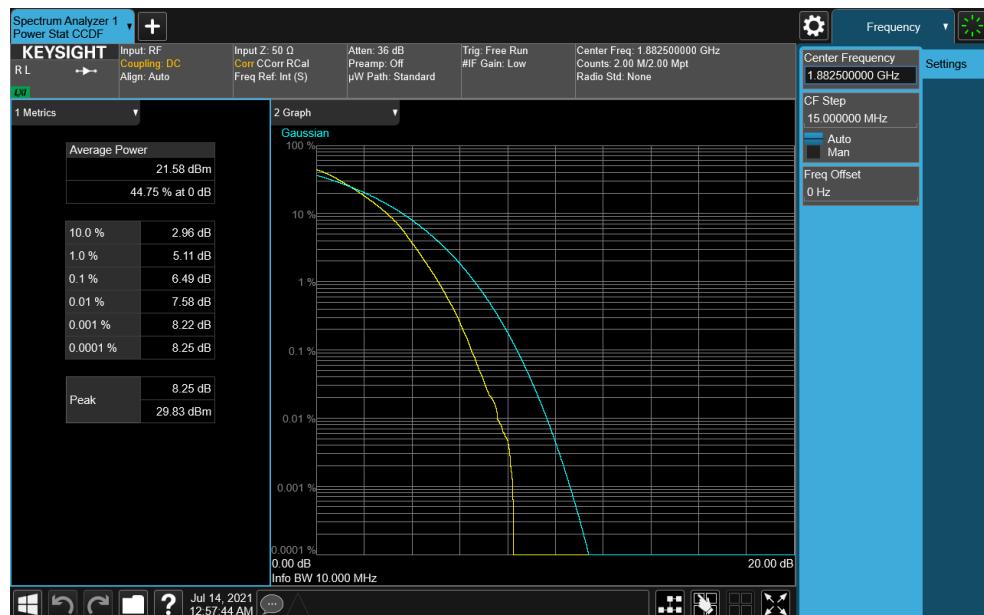
FCC ID: BCGA2568	PCTEST Proud to be part of 		PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2106080049-02.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device	Page 154 of 214	



FCC ID: BCGA2568	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
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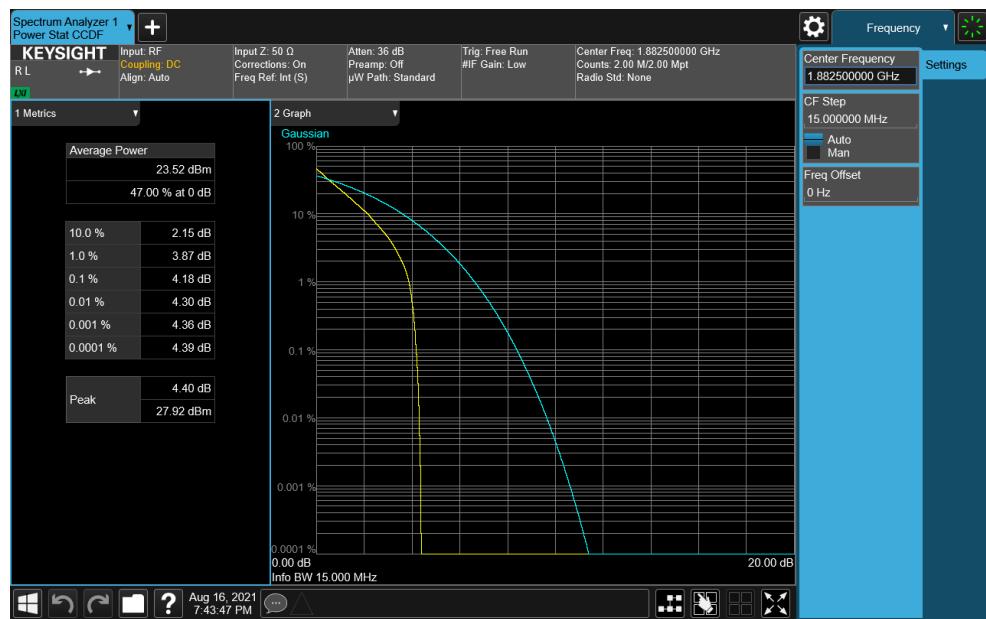


Plot 7-269. PAR Plot (NR Band n25 - 10.0MHz CP-OFDM 64-QAM - Full RB)

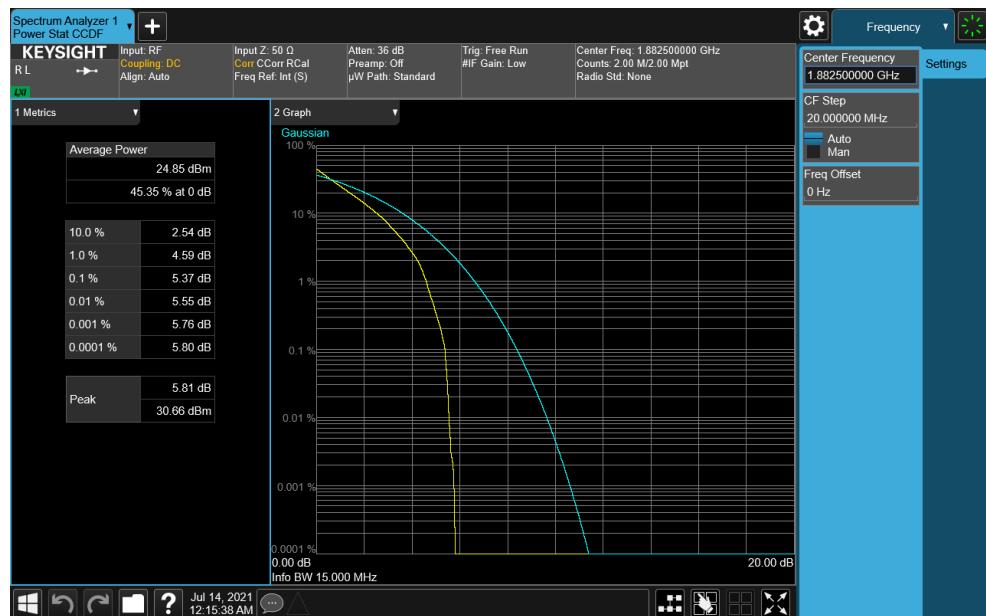


Plot 7-270. PAR Plot (NR Band n25 - 10.0MHz CP-OFDM 256-QAM - Full RB)

FCC ID: BCGA2568	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080049-02.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device		Page 156 of 214

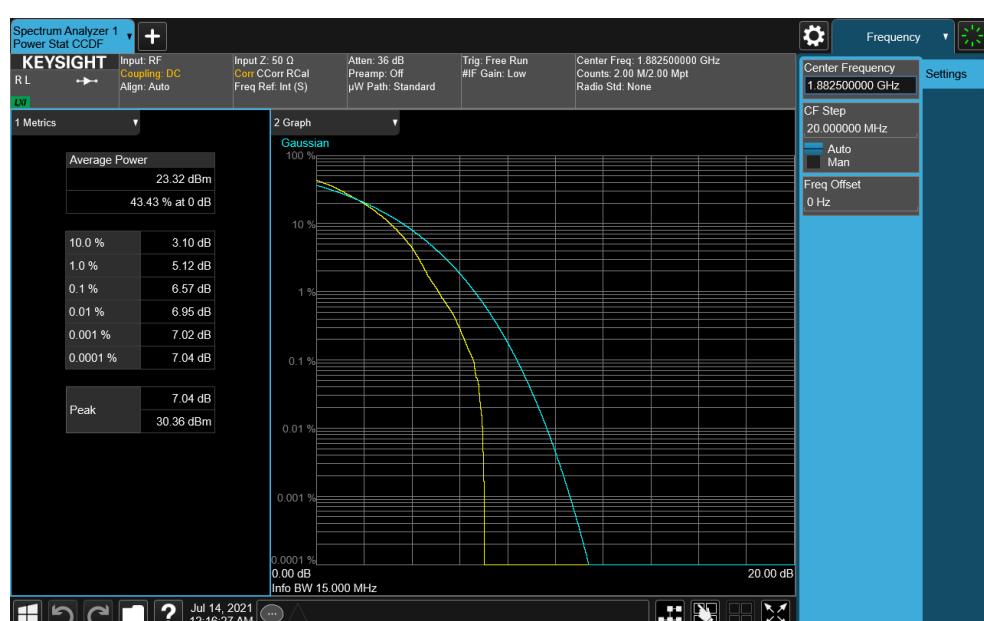
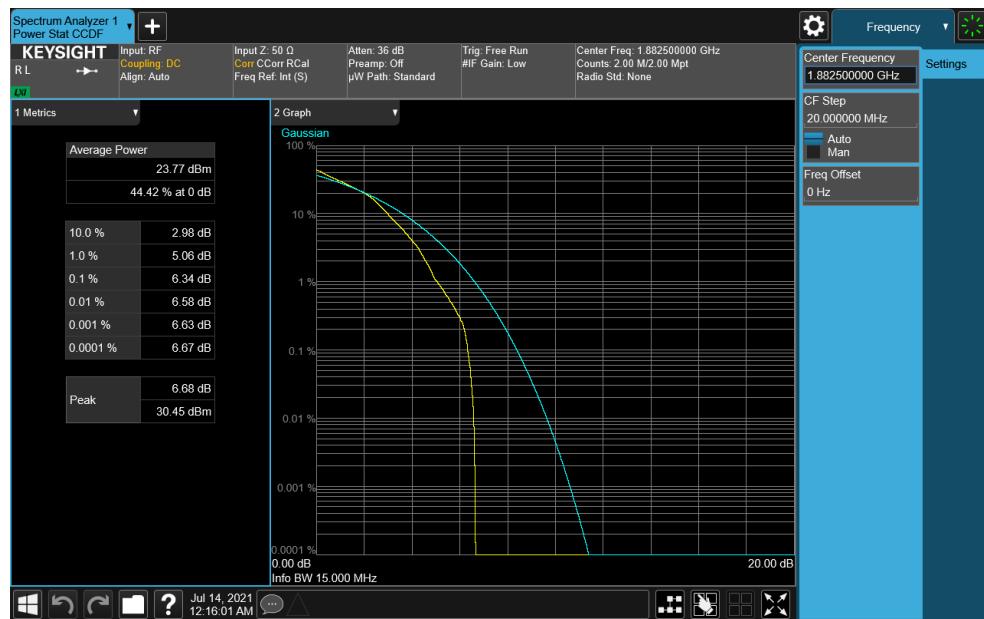


Plot 7-271. PAR Plot (NR Band n25 - 15.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

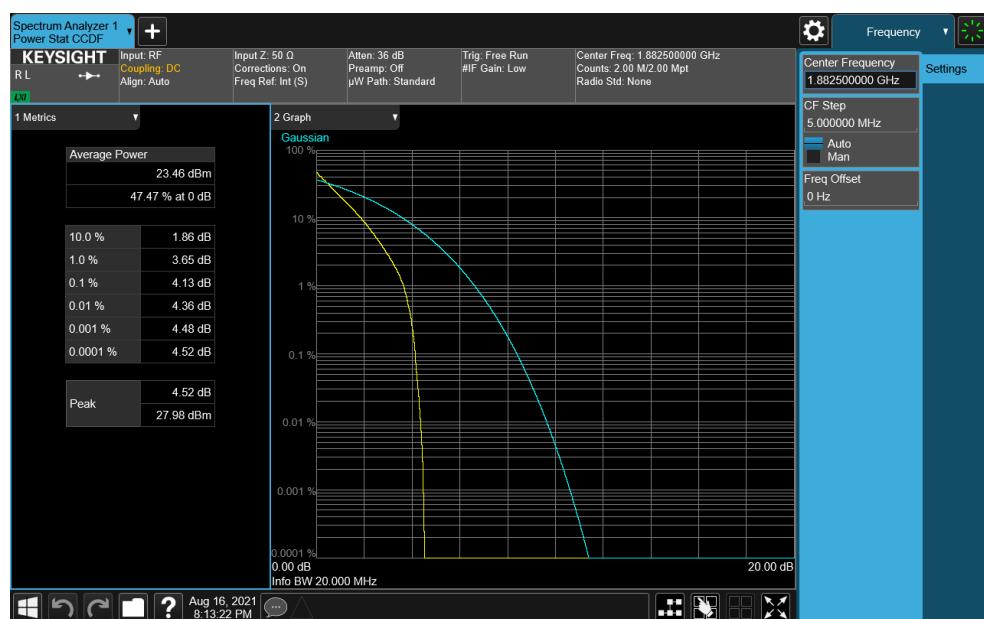
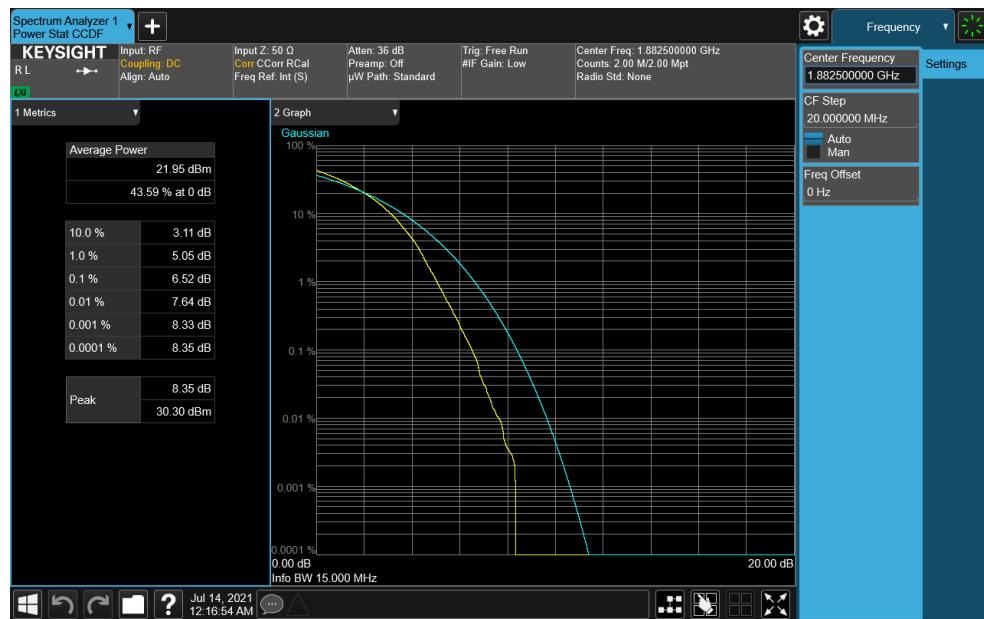


Plot 7-272. PAR Plot (NR Band n25 - 15.0MHz CP-OFDM QPSK - Full RB)

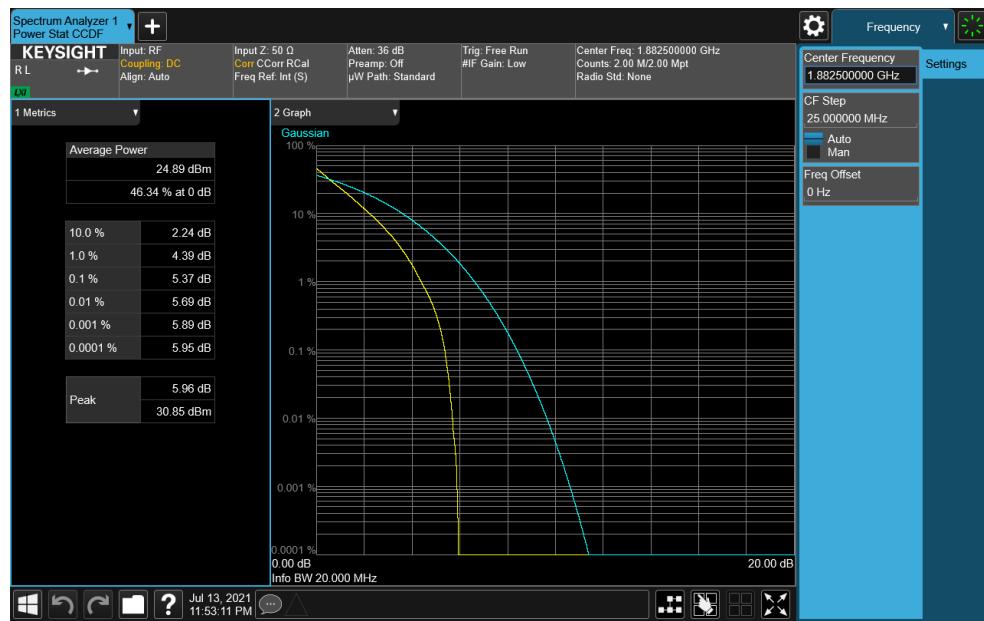
FCC ID: BCGA2568	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-02.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device	Page 157 of 214



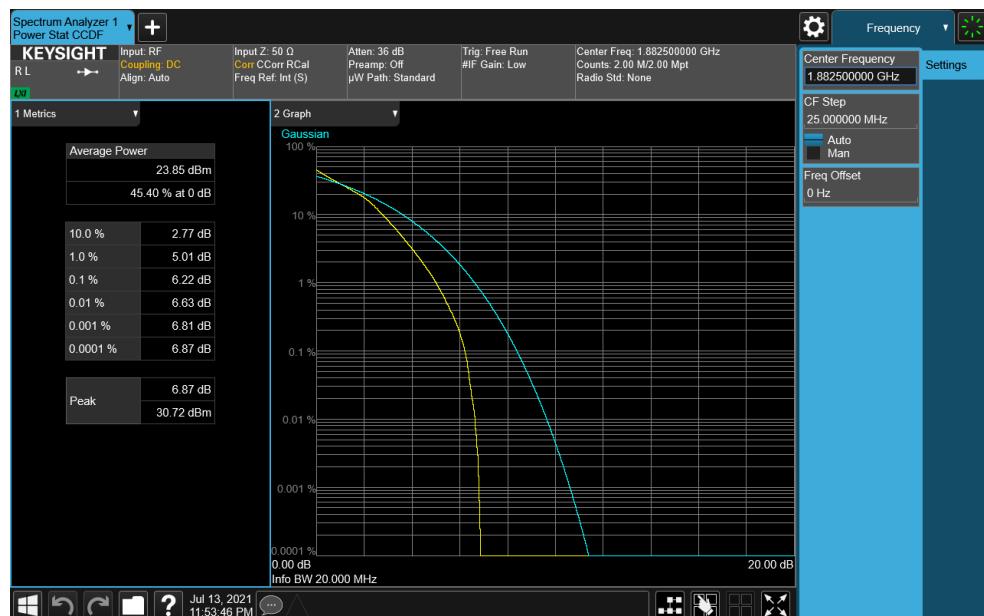
FCC ID: BCGA2568	PCTEST Proud to be part of 		PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2106080049-02.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device	Page 158 of 214	



FCC ID: BCGA2568	 PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
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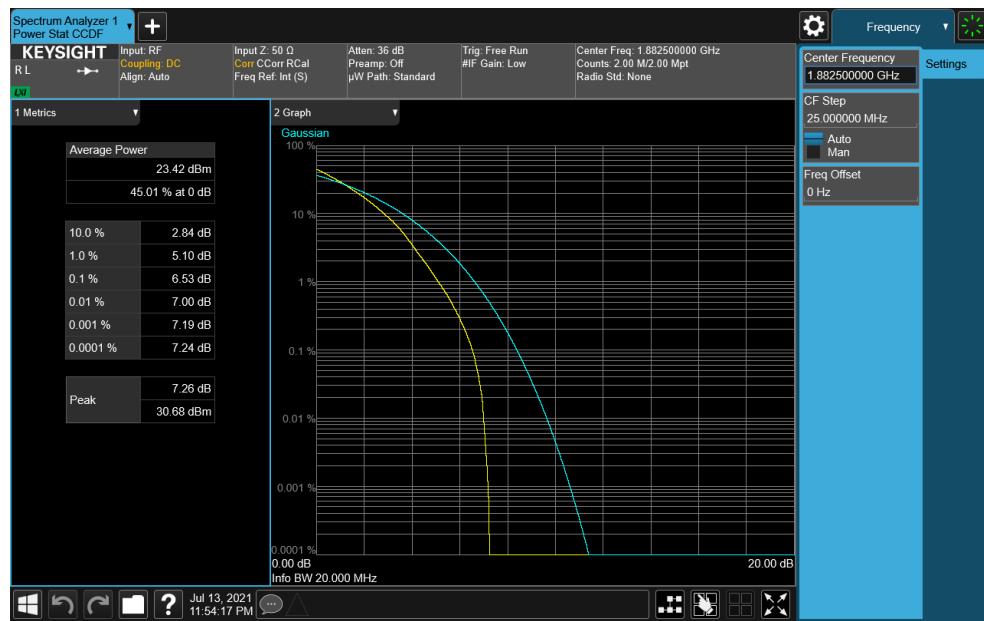


Plot 7-277. PAR Plot (NR Band n25 - 20.0MHz CP-OFDM QPSK - Full RB)

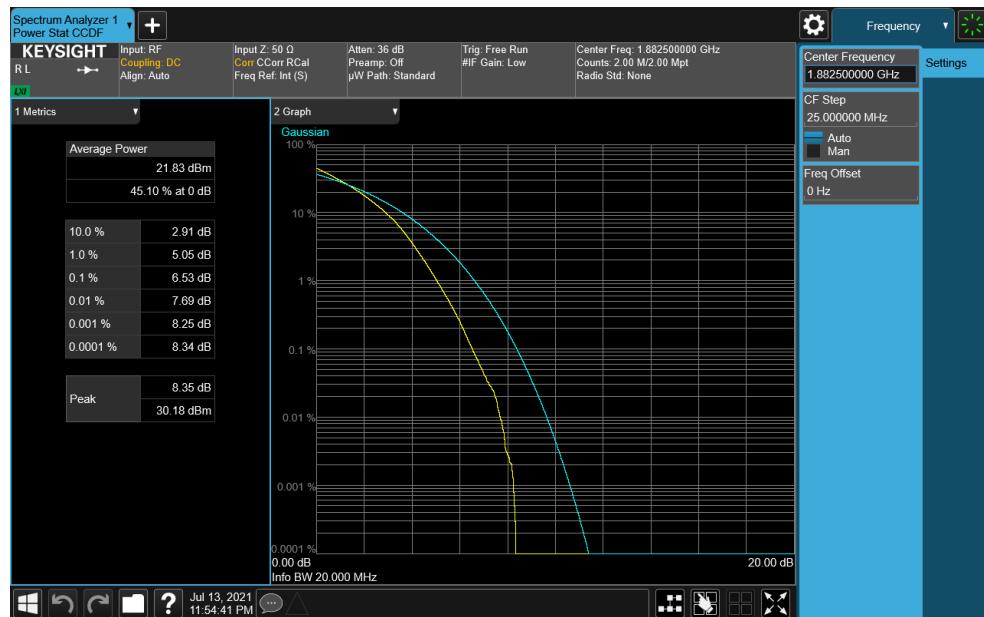


Plot 7-278. PAR Plot (NR Band n25 - 20.0MHz CP-OFDM 16-QAM - Full RB)

FCC ID: BCGA2568	PCTEST Proud to be part of 		PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2106080049-02.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device	Page 160 of 214	

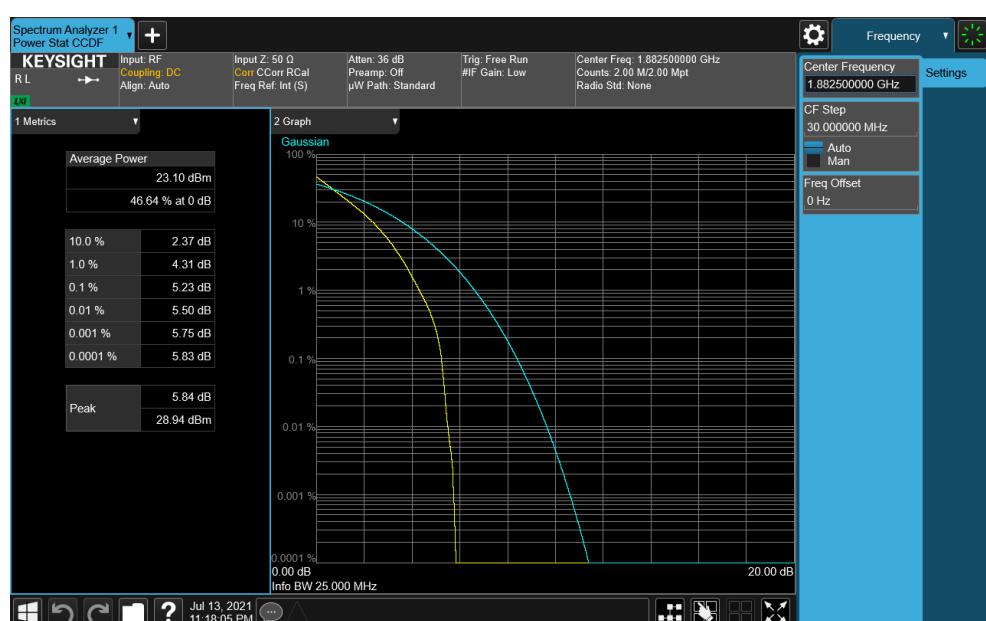
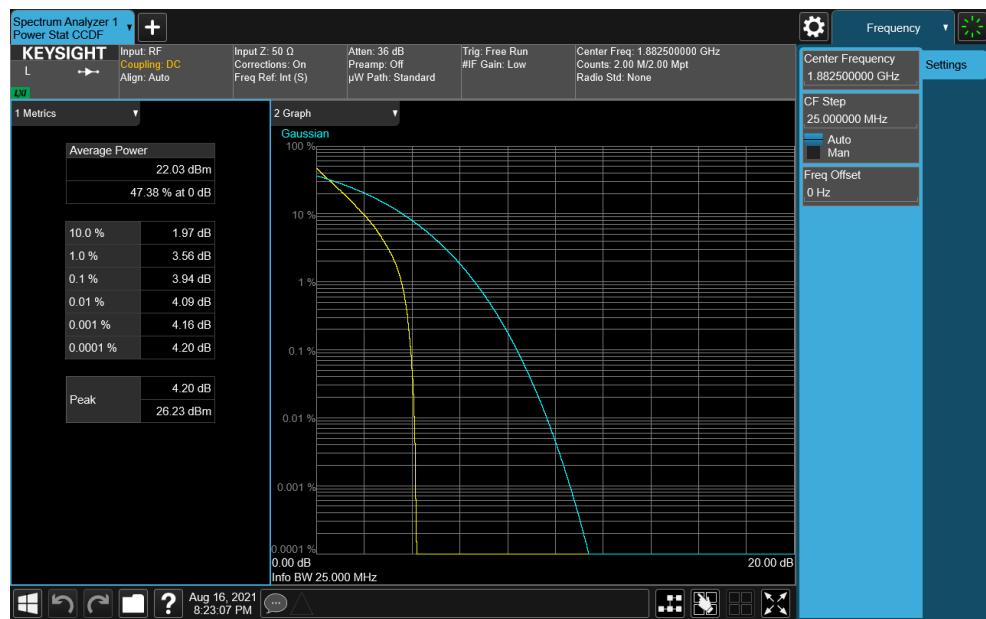


Plot 7-279. PAR Plot (NR Band n25 - 20.0MHz CP-OFDM 64-QAM - Full RB)

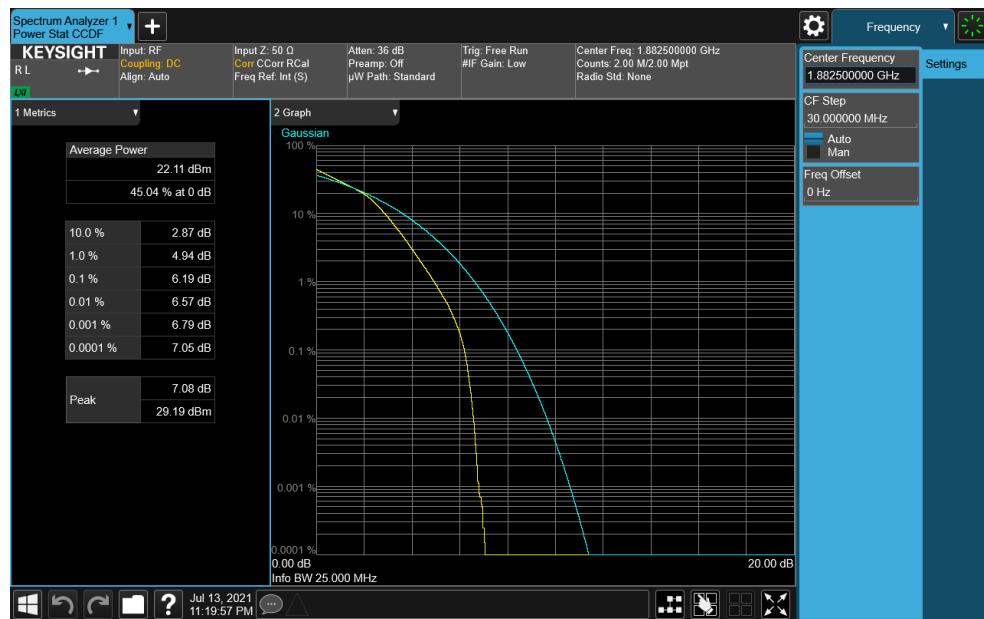


Plot 7-280. PAR Plot (NR Band n25 - 20.0MHz CP-OFDM 256-QAM - Full RB)

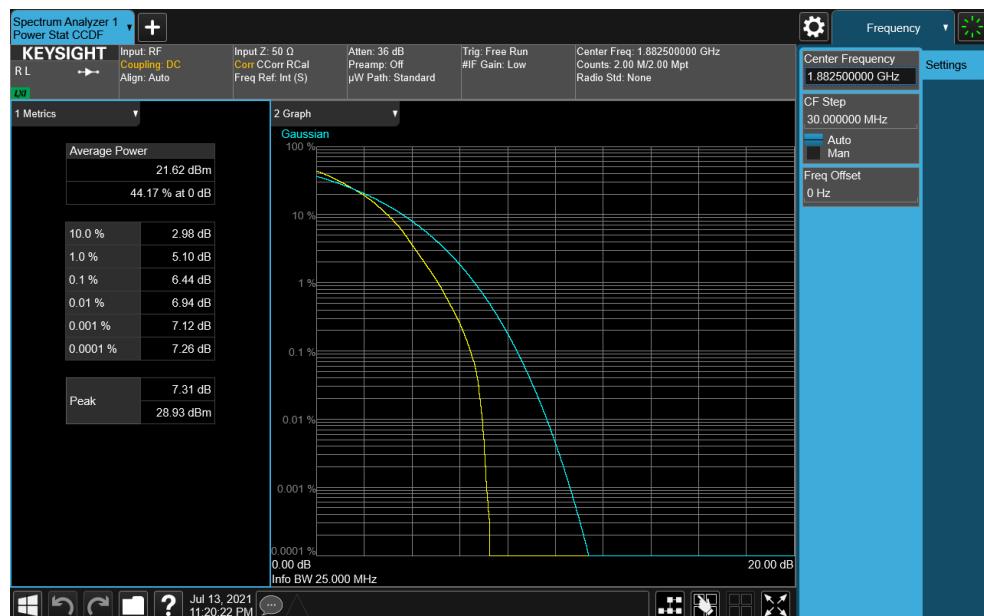
FCC ID: BCGA2568	PCTEST Proud to be part of 		PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2106080049-02.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device	Page 161 of 214	



FCC ID: BCGA2568	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
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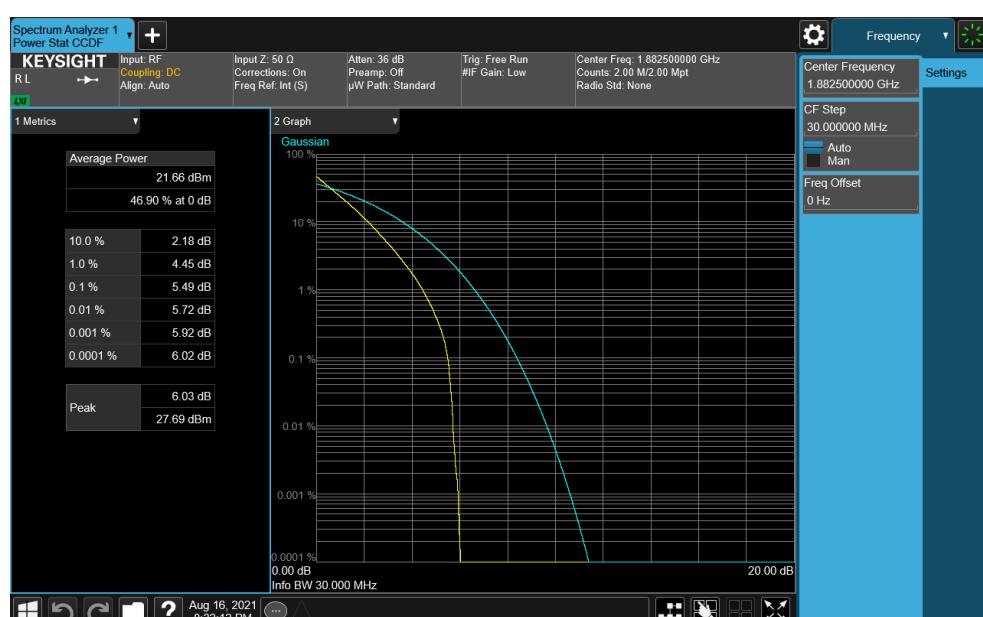
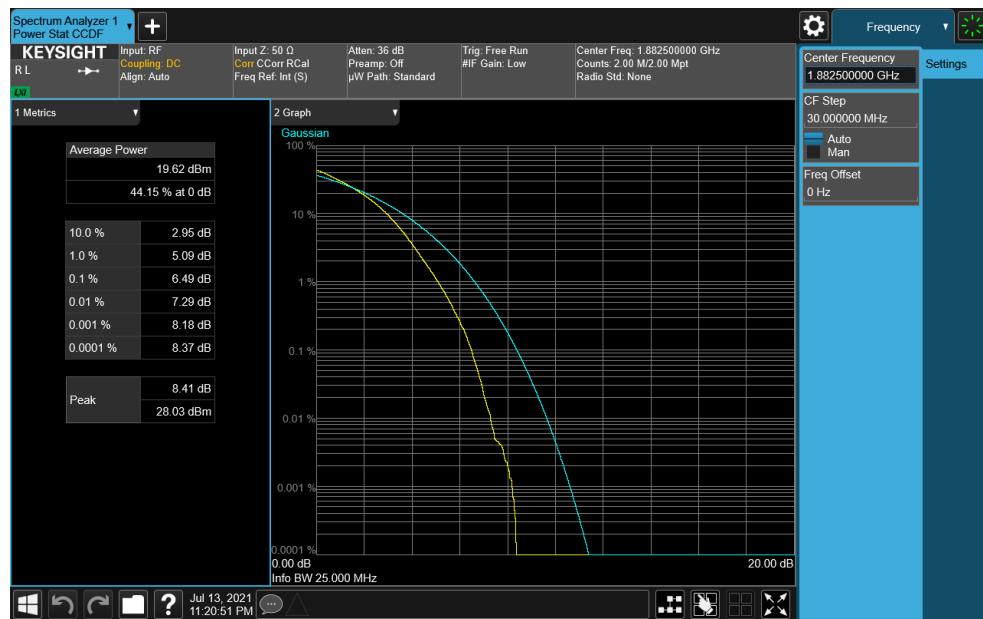


Plot 7-283. PAR Plot (NR Band n25 - 25.0MHz CP-OFDM 16-QAM - Full RB)

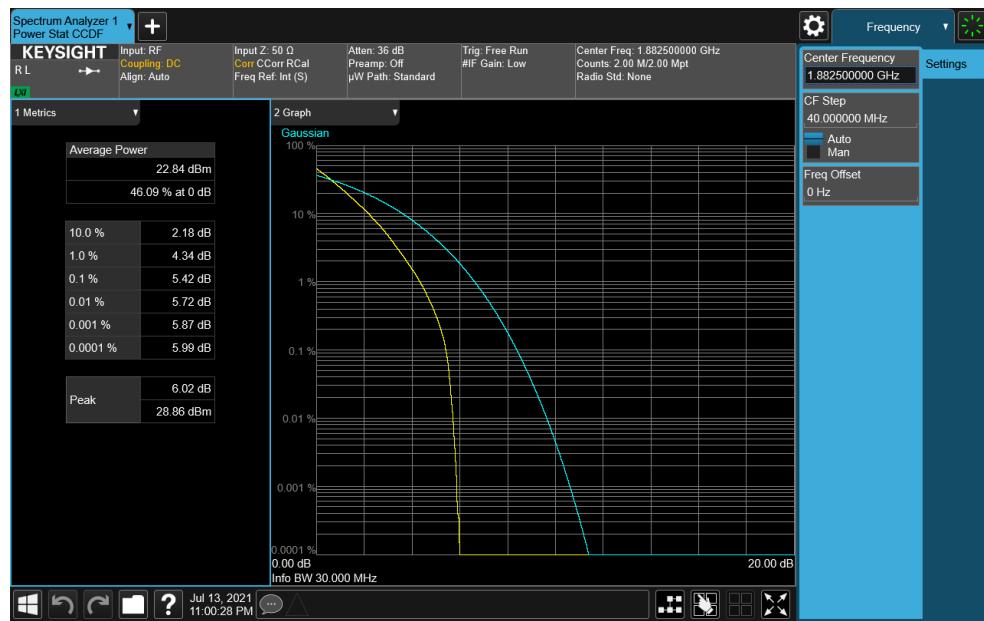


Plot 7-284. PAR Plot (NR Band n25 - 25.0MHz CP-OFDM 64-QAM - Full RB)

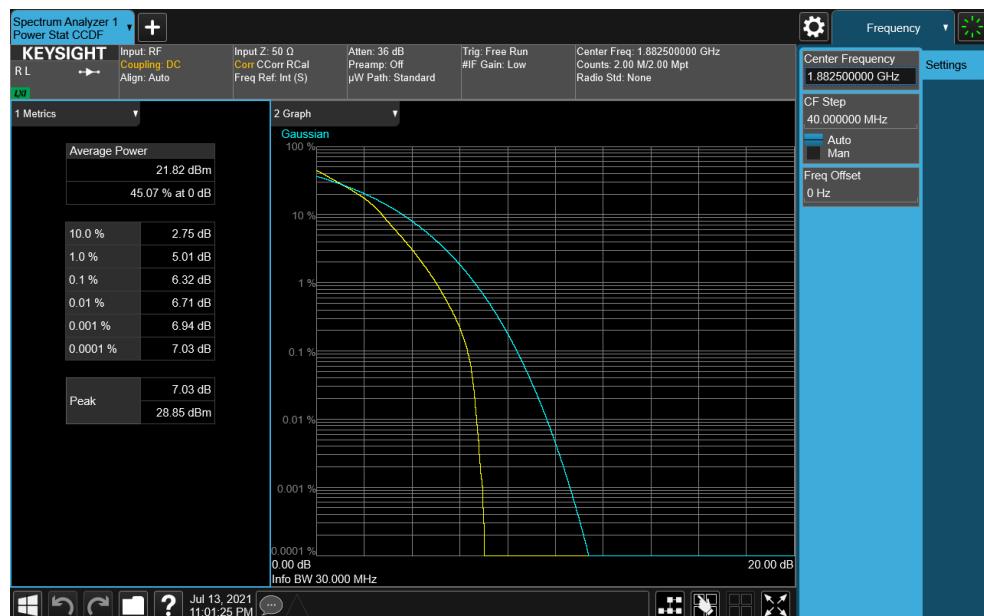
FCC ID: BCGA2568	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080049-02.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device	Page 163 of 214



FCC ID: BCGA2568	PCTEST Proud to be part of 		PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
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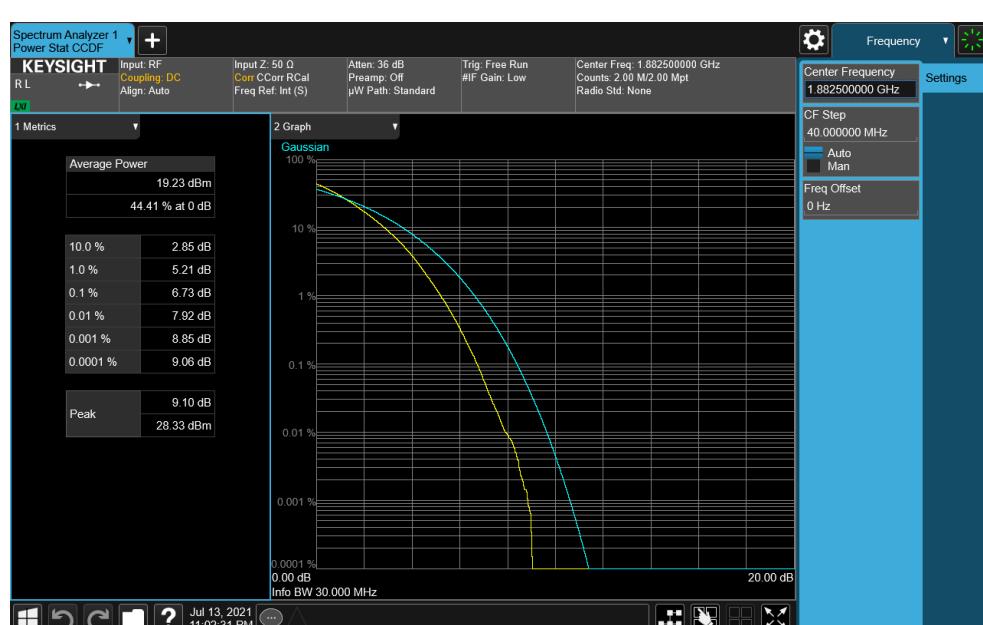
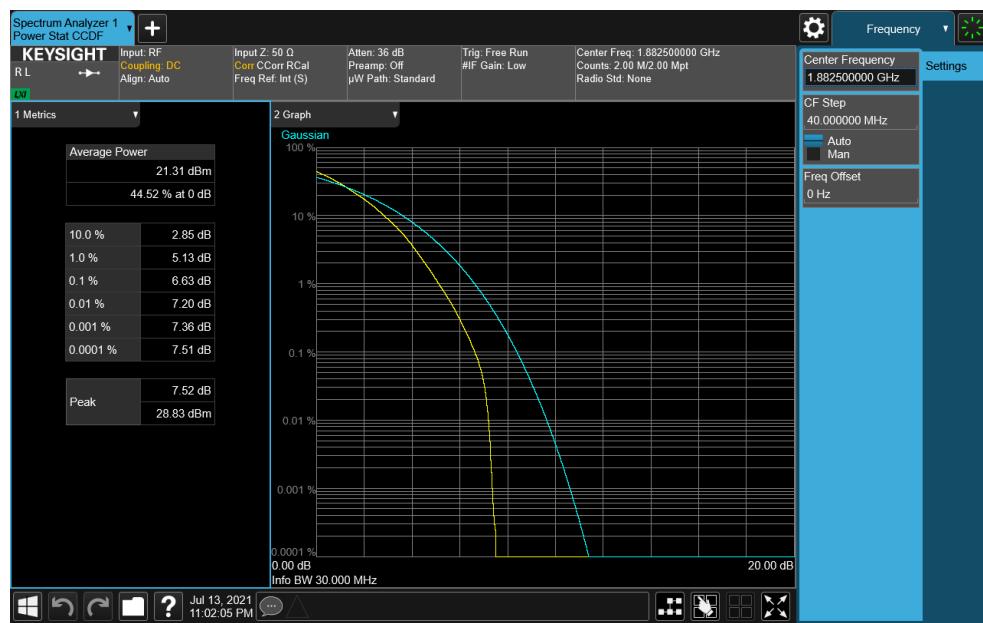


Plot 7-287. PAR Plot (NR Band n25 - 30.0MHz CP-OFDM QPSK - Full RB)

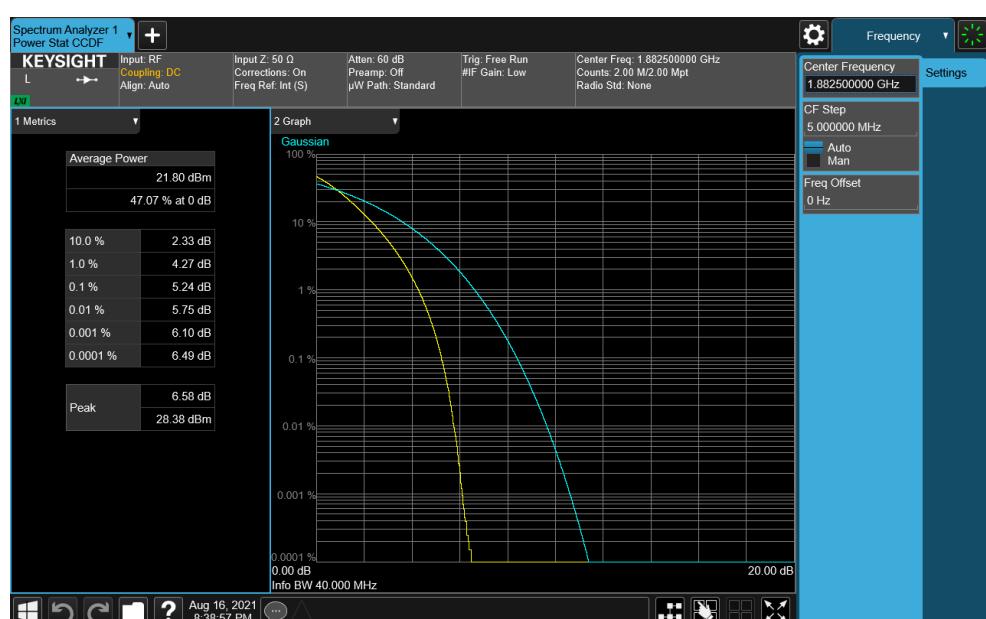
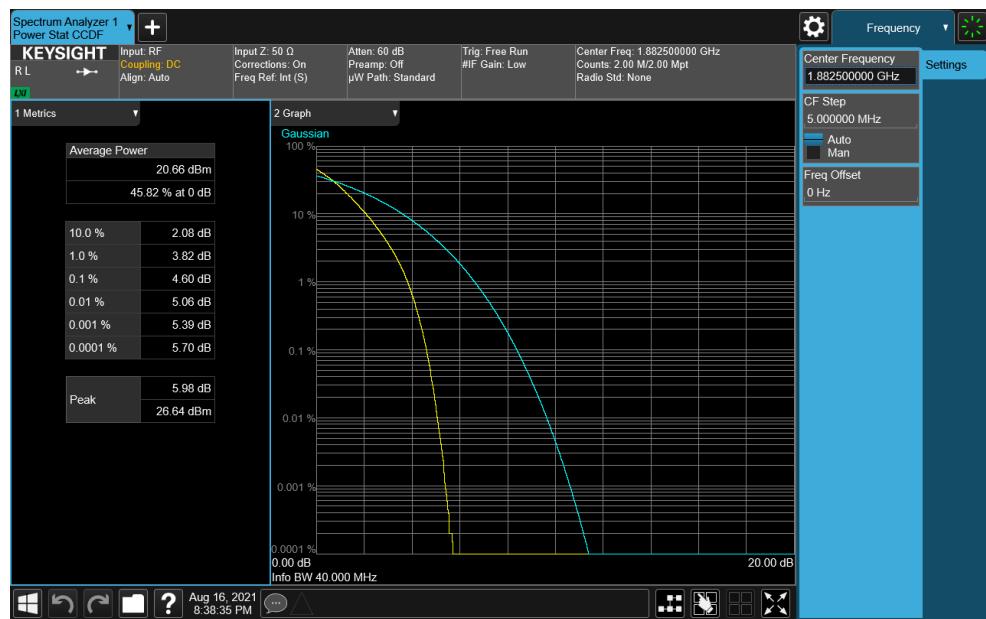


Plot 7-288. PAR Plot (NR Band n25 - 30.0MHz CP-OFDM 16-QAM - Full RB)

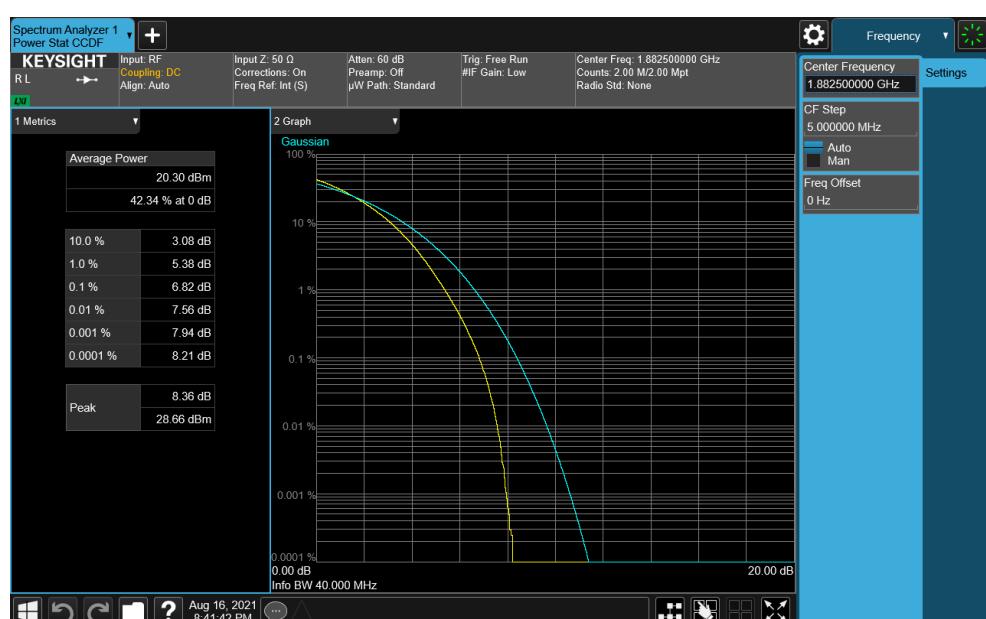
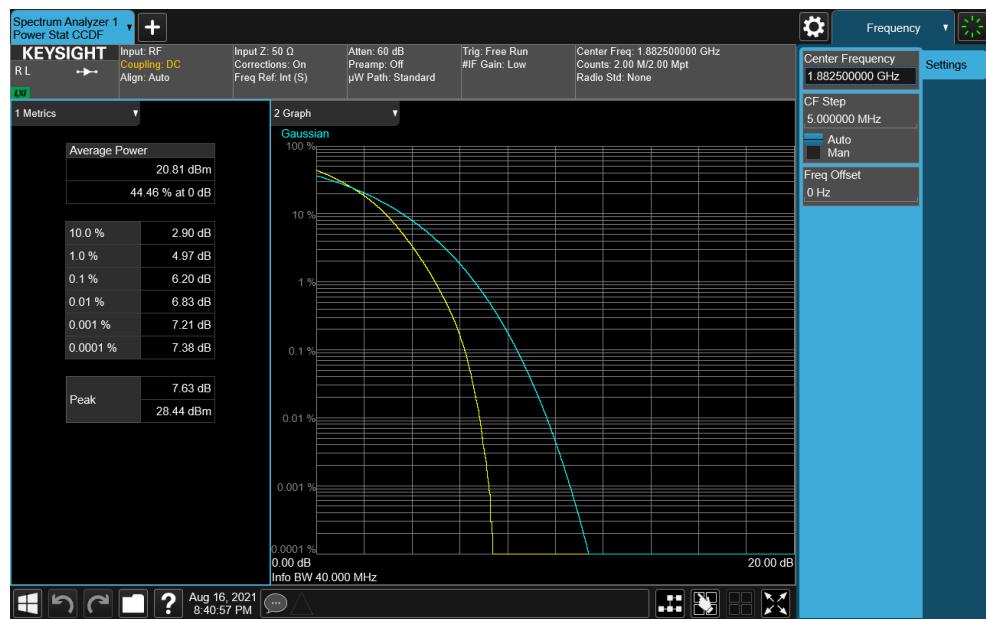
FCC ID: BCGA2568	PCTEST Proud to be part of Element		PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2106080049-02.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device	Page 165 of 214	



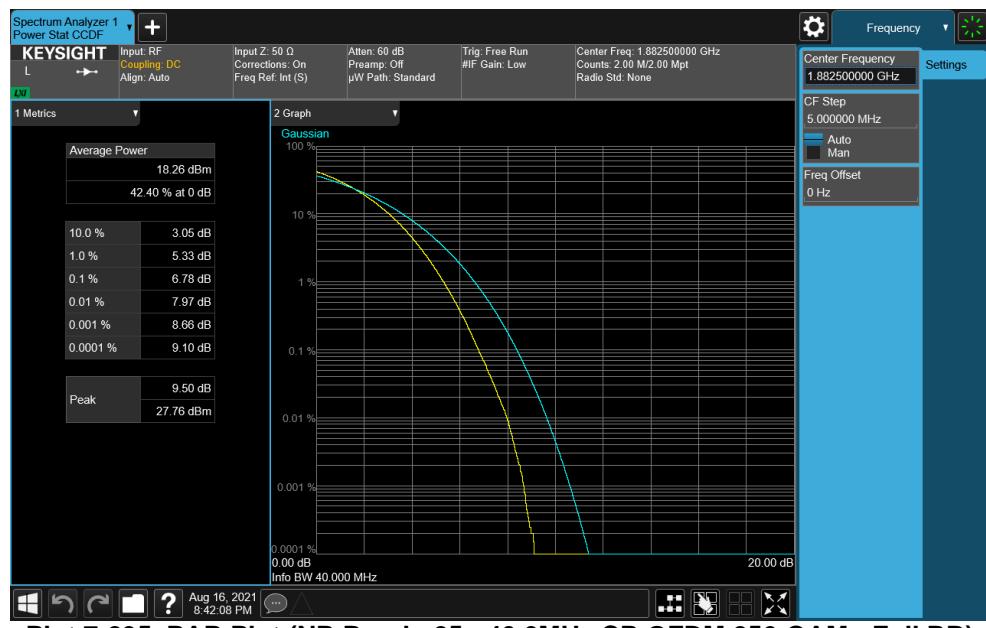
FCC ID: BCGA2568	PCTEST Proud to be part of 		PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2106080049-02.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device	Page 166 of 214	



FCC ID: BCGA2568	PCTEST Proud to be part of Element		PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
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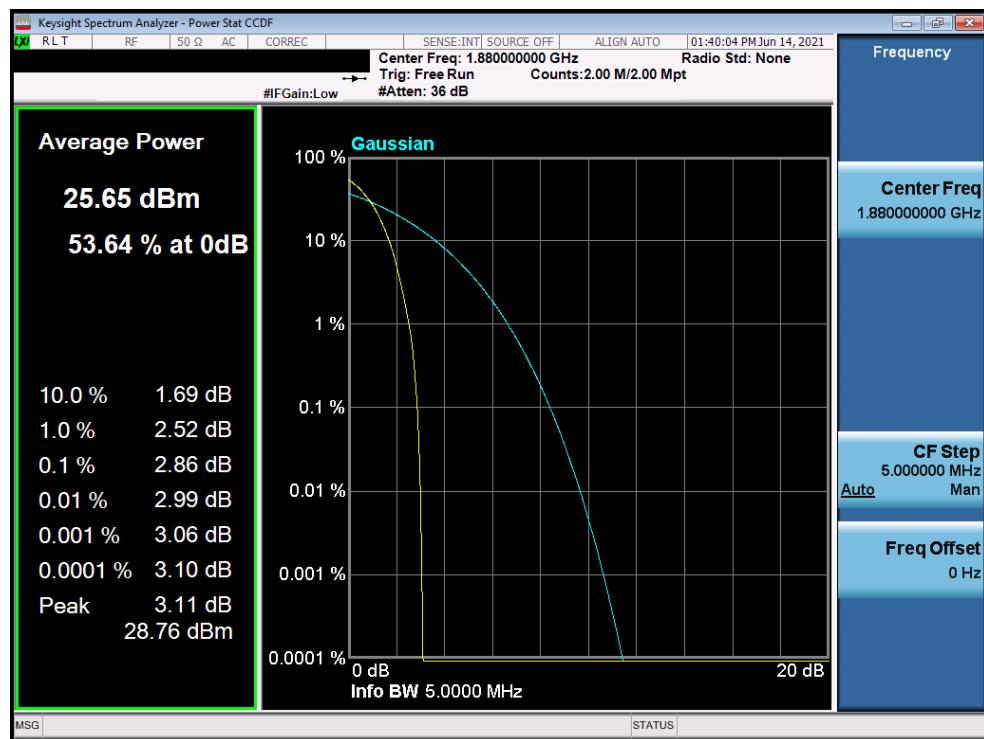
FCC ID: BCGA2568	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
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Plot 7-295. PAR Plot (NR Band n25 - 40.0MHz CP-OFDM 256-QAM - Full RB)

FCC ID: BCGA2568	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
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WCDMA PCS



Plot 7-296. PAR Plot (WCDMA, Ch. 9400)

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7.6 Radiated Power (EIRP)

§24.232(c)

Test Overview

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 EIRP from the conducted RF output power measured is:

$$\text{EIRP} = \text{PMes} - \text{LC} + \text{GT}$$

Where:

EIRP = Equivalent Isotropic Radiated Power (expressed in the same units as PMes, typically dBW or dBm)

PMes = 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 dBi (EIRP)

Test Setup

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

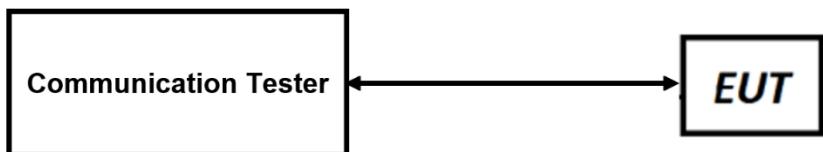


Figure 7-5. EIRP Measurement Setup

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.

FCC ID: BCGA2568	 PCTEST <small>Proud to be part of Element</small>		PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
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7.6.1 Antenna 4 – EIRP

LTE Band 25

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1850.7	-1.60	1 / 0	25.61	24.01	0.252	33.01	-9.00
		1882.5	-1.60	1 / 0	25.70	24.10	0.257	33.01	-8.91
		1914.3	-1.60	1 / 0	25.70	24.10	0.257	33.01	-8.91
	16-QAM 64-QAM 256-QAM	1850.7	-1.60	1 / 0	25.15	23.55	0.226	33.01	-9.46
		1882.5	-1.60	1 / 0	24.06	22.46	0.176	33.01	-10.55
		1850.7	-1.60	1 / 5	21.09	19.49	0.089	33.01	-13.52
		1851.5	-1.60	1 / 14	25.67	24.07	0.255	33.01	-8.94
		1882.5	-1.60	1 / 7	25.68	24.08	0.256	33.01	-8.93
		1913.5	-1.60	1 / 14	25.70	24.10	0.257	33.01	-8.91
3 MHz	16-QAM 64-QAM 256-QAM	1851.5	-1.60	1 / 14	25.18	23.58	0.228	33.01	-9.43
		1882.5	-1.60	1 / 7	24.06	22.46	0.176	33.01	-10.55
		1851.5	-1.60	1 / 14	21.19	19.59	0.091	33.01	-13.42
	QPSK	1852.5	-1.60	1 / 12	25.68	24.08	0.256	33.01	-8.93
		1882.5	-1.60	1 / 12	25.60	24.00	0.251	33.01	-9.01
		1912.5	-1.60	1 / 12	25.70	24.10	0.257	33.01	-8.91
		1882.5	-1.60	1 / 12	25.23	23.63	0.231	33.01	-9.38
		1912.5	-1.60	1 / 0	24.22	22.62	0.183	33.01	-10.39
		1912.5	-1.60	1 / 24	20.99	19.39	0.087	33.01	-13.62
5 MHz	QPSK	1855.0	-1.60	1 / 0	25.66	24.06	0.255	33.01	-8.95
		1882.5	-1.60	1 / 49	25.55	23.95	0.248	33.01	-9.06
		1910.0	-1.60	1 / 49	25.70	24.10	0.257	33.01	-8.91
		1855.0	-1.60	1 / 0	25.39	23.79	0.239	33.01	-9.22
		1882.5	-1.60	1 / 0	23.92	22.32	0.171	33.01	-10.69
		1855.0	-1.60	1 / 0	21.15	19.55	0.090	33.01	-13.46
10 MHz	QPSK	1857.5	-1.60	1 / 37	25.66	24.06	0.255	33.01	-8.95
		1882.5	-1.60	1 / 37	25.59	23.99	0.251	33.01	-9.02
		1907.5	-1.60	1 / 0	25.70	24.10	0.257	33.01	-8.91
		1907.5	-1.60	1 / 74	25.20	23.60	0.229	33.01	-9.41
		1882.5	-1.60	1 / 37	24.04	22.44	0.175	33.01	-10.57
		1857.5	-1.60	1 / 37	21.31	19.71	0.094	33.01	-13.30
	QPSK	1860.0	-1.60	1 / 50	25.70	24.10	0.257	33.01	-8.91
		1882.5	-1.60	1 / 99	25.70	24.10	0.257	33.01	-8.91
		1905.0	-1.60	1 / 99	25.62	24.02	0.252	33.01	-8.99
		1905.0	-1.60	1 / 50	25.28	23.68	0.233	33.01	-9.33
		1882.5	-1.60	1 / 99	24.39	22.79	0.190	33.01	-10.22
		1860.0	-1.60	1 / 0	20.91	19.31	0.085	33.01	-13.70

Table 7-2. Antenna 4 EIRP Data (LTE Band 25)

FCC ID: BCGA2568	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080049-02.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device	Page 172 of 214	

LTE Band 2

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1850.7	-1.60	1 / 5	25.66	24.06	0.255	33.01	-8.95
		1880.0	-1.60	1 / 0	25.70	24.10	0.257	33.01	-8.91
		1909.3	-1.60	1 / 0	25.69	24.09	0.256	33.01	-8.92
	16-QAM	1909.3	-1.60	1 / 0	25.49	23.89	0.245	33.01	-9.12
		1880.0	-1.60	1 / 3	24.11	22.51	0.178	33.01	-10.50
		1909.3	-1.60	1 / 0	21.22	19.62	0.092	33.01	-13.39
3 MHz	QPSK	1851.5	-1.60	1 / 14	25.63	24.03	0.253	33.01	-8.98
		1880.0	-1.60	1 / 14	25.46	23.86	0.243	33.01	-9.15
		1908.5	-1.60	1 / 14	25.70	24.10	0.257	33.01	-8.91
	16-QAM	1851.5	-1.60	1 / 7	25.06	23.46	0.222	33.01	-9.55
		1851.5	-1.60	1 / 7	23.86	22.26	0.168	33.01	-10.75
		1851.5	-1.60	1 / 7	21.16	19.56	0.090	33.01	-13.45
5 MHz	QPSK	1852.5	-1.60	1 / 24	25.66	24.06	0.255	33.01	-8.95
		1880.0	-1.60	1 / 0	25.69	24.09	0.256	33.01	-8.92
		1907.5	-1.60	1 / 24	25.70	24.10	0.257	33.01	-8.91
	16-QAM	1880.0	-1.60	1 / 0	25.27	23.67	0.233	33.01	-9.34
		1907.5	-1.60	1 / 24	24.20	22.60	0.182	33.01	-10.41
		1907.5	-1.60	1 / 24	21.01	19.41	0.087	33.01	-13.60
10 MHz	QPSK	1855.0	-1.60	1 / 25	25.65	24.05	0.254	33.01	-8.96
		1880.0	-1.60	1 / 0	25.66	24.06	0.255	33.01	-8.95
		1905.0	-1.60	1 / 49	25.70	24.10	0.257	33.01	-8.91
	16-QAM	1855.0	-1.60	1 / 0	25.10	23.50	0.224	33.01	-9.51
		1880.0	-1.60	1 / 0	24.16	22.56	0.180	33.01	-10.45
		1855.0	-1.60	1 / 25	21.20	19.60	0.091	33.01	-13.41
15 MHz	QPSK	1857.5	-1.60	1 / 0	25.66	24.06	0.255	33.01	-8.95
		1880.0	-1.60	1 / 74	25.59	23.99	0.251	33.01	-9.02
		1902.5	-1.60	1 / 74	25.70	24.10	0.257	33.01	-8.91
	16-QAM	1902.5	-1.60	1 / 37	25.05	23.45	0.221	33.01	-9.56
		1880.0	-1.60	1 / 37	24.06	22.46	0.176	33.01	-10.55
		1857.5	-1.60	1 / 37	21.40	19.80	0.095	33.01	-13.21
20 MHz	QPSK	1860.0	-1.60	1 / 0	25.70	24.10	0.257	33.01	-8.91
		1880.0	-1.60	1 / 50	25.61	24.01	0.252	33.01	-9.00
		1900.0	-1.60	1 / 0	25.70	24.10	0.257	33.01	-8.91
	16-QAM	1880.0	-1.60	1 / 50	25.27	23.67	0.233	33.01	-9.34
		1860.0	-1.60	1 / 0	24.39	22.79	0.190	33.01	-10.22
		1900.0	-1.60	1 / 0	21.04	19.44	0.088	33.01	-13.57

Table 7-3. Antenna 4 EIRP Data (LTE Band 2)

FCC ID: BCGA2568	PART 24 MEASUREMENT REPORT				Approved by: Quality Manager
Test Report S/N: 1C2106080049-02.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device			
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NR Band n25

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	$\pi/2$ BPSK	1852.5	-1.60	1 / 12	25.31	23.71	0.235	33.01	-9.30
		1882.5	-1.60	1 / 0	25.43	23.83	0.241	33.01	-9.18
		1912.5	-1.60	1 / 0	25.12	23.52	0.225	33.01	-9.49
	QPSK	1852.5	-1.60	1 / 0	25.49	23.89	0.245	33.01	-9.12
		1882.5	-1.60	1 / 24	25.70	24.10	0.257	33.01	-8.91
		1912.5	-1.60	1 / 0	25.50	23.90	0.246	33.01	-9.11
	16-QAM	1882.5	-1.60	1 / 24	24.60	23.00	0.200	33.01	-10.01
	64-QAM	1912.5	-1.60	1 / 24	24.04	22.44	0.175	33.01	-10.57
	256-QAM	1882.5	-1.60	1 / 24	22.08	20.48	0.112	33.01	-12.53
	$\pi/2$ BPSK	1855.0	-1.60	1 / 49	25.70	24.10	0.257	33.01	-8.91
		1882.5	-1.60	1 / 49	25.24	23.64	0.231	33.01	-9.38
		1910.0	-1.60	1 / 49	25.60	24.00	0.251	33.01	-9.01
10 MHz	QPSK	1855.0	-1.60	1 / 49	25.51	23.91	0.246	33.01	-9.10
		1882.5	-1.60	1 / 0	25.58	23.98	0.250	33.01	-9.03
		1910.0	-1.60	1 / 0	25.56	23.96	0.249	33.01	-9.05
	16-QAM	1910.0	-1.60	1 / 0	24.60	23.00	0.199	33.01	-10.01
	64-QAM	1910.0	-1.60	1 / 0	24.04	22.44	0.175	33.01	-10.57
	256-QAM	1882.5	-1.60	1 / 0	22.05	20.45	0.111	33.01	-12.56
	$\pi/2$ BPSK	1857.5	-1.60	1 / 74	25.17	23.57	0.227	33.01	-9.44
		1882.5	-1.60	1 / 37	25.11	23.51	0.224	33.01	-9.50
		1907.5	-1.60	1 / 0	25.05	23.45	0.221	33.01	-9.56
15 MHz	QPSK	1857.5	-1.60	1 / 37	25.45	23.85	0.243	33.01	-9.16
		1882.5	-1.60	1 / 37	25.49	23.89	0.245	33.01	-9.12
		1907.5	-1.60	1 / 0	25.70	24.10	0.257	33.01	-8.91
	16-QAM	1882.5	-1.60	1 / 0	24.50	22.90	0.195	33.01	-10.11
	64-QAM	1907.5	-1.60	1 / 0	24.03	22.43	0.175	33.01	-10.58
	256-QAM	1857.5	-1.60	1 / 0	22.09	20.49	0.112	33.01	-12.52
	$\pi/2$ BPSK	1860.0	-1.60	1 / 53	25.70	24.10	0.257	33.01	-8.91
		1882.5	-1.60	1 / 104	25.62	24.02	0.252	33.01	-8.99
		1905.0	-1.60	1 / 53	25.59	23.99	0.251	33.01	-9.02
20 MHz	QPSK	1860.0	-1.60	1 / 104	25.51	23.91	0.246	33.01	-9.10
		1882.5	-1.60	1 / 1	25.70	24.10	0.257	33.01	-8.91
		1905.0	-1.60	1 / 1	25.64	24.04	0.253	33.01	-8.98
	16-QAM	1882.5	-1.60	1 / 104	24.63	23.03	0.201	33.01	-9.98
	64-QAM	1905.0	-1.60	1 / 104	24.16	22.56	0.180	33.01	-10.45
	256-QAM	1905.0	-1.60	1 / 53	22.00	20.40	0.110	33.01	-12.61
	$\pi/2$ BPSK	1862.5	-1.60	1 / 53	23.64	22.04	0.160	33.01	-10.97
		1882.5	-1.60	1 / 104	23.40	21.80	0.151	33.01	-11.21
		1902.5	-1.60	1 / 53	23.70	22.10	0.162	33.01	-10.91
25 MHz	QPSK	1862.5	-1.60	1 / 53	23.30	21.70	0.148	33.01	-11.31
		1882.5	-1.60	1 / 1	23.58	21.98	0.158	33.01	-11.03
		1902.5	-1.60	1 / 104	23.39	21.79	0.151	33.01	-11.22
	16-QAM	1902.5	-1.60	1 / 53	22.79	21.19	0.132	33.01	-11.82
	64-QAM	1902.5	-1.60	1 / 104	21.74	20.14	0.103	33.01	-12.87
	256-QAM	1882.5	-1.60	1 / 1	19.14	17.54	0.057	33.01	-15.47
	$\pi/2$ BPSK	1865.0	-1.60	1 / 53	23.70	22.10	0.162	33.01	-10.91
		1882.5	-1.60	1 / 53	23.58	21.98	0.158	33.01	-11.03
		1900.0	-1.60	1 / 1	23.20	21.60	0.145	33.01	-11.41
30 MHz	QPSK	1865.0	-1.60	1 / 104	23.60	22.00	0.158	33.01	-11.01
		1882.5	-1.60	1 / 1	23.58	21.98	0.158	33.01	-11.03
		1900.0	-1.60	1 / 104	23.36	21.76	0.150	33.01	-11.25
	16-QAM	1900.0	-1.60	1 / 53	22.53	20.93	0.124	33.01	-12.08
	64-QAM	1900.0	-1.60	1 / 1	21.38	19.78	0.095	33.01	-13.23
	256-QAM	1900.0	-1.60	1 / 1	18.90	17.30	0.054	33.01	-15.71
	$\pi/2$ BPSK	1870.0	-1.60	1 / 1	23.39	21.79	0.151	33.01	-11.22
		1882.5	-1.60	1 / 53	23.37	21.77	0.150	33.01	-11.24
		1895.0	-1.60	1 / 53	23.16	21.56	0.143	33.01	-11.45
40 MHz	QPSK	1870.0	-1.60	1 / 1	23.29	21.69	0.147	33.01	-11.32
		1882.5	-1.60	1 / 53	23.26	21.66	0.146	33.01	-11.35
		1895.0	-1.60	1 / 1	23.70	22.10	0.162	33.01	-10.91
	16-QAM	1870.0	-1.60	1 / 1	22.14	20.54	0.113	33.01	-12.47
	64-QAM	1882.5	-1.60	1 / 53	21.28	19.68	0.093	33.01	-13.33
	256-QAM	1882.5	-1.60	1 / 53	18.92	17.32	0.054	33.01	-15.69

Table 7-4. Antenna 4 EIRP Data (NR Band n25)

FCC ID: BCGA2568	PART 24 MEASUREMENT REPORT					Approved by: Quality Manager
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NR Band n2

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1852.5	-1.60	1 / 12	25.31	23.71	0.235	33.01	-9.30
		1880.0	-1.60	1 / 0	25.43	23.83	0.241	33.01	-9.18
		1907.5	-1.60	1 / 0	25.12	23.52	0.225	33.01	-9.49
	QPSK	1852.5	-1.60	1 / 0	25.49	23.89	0.245	33.01	-9.12
		1880.0	-1.60	1 / 24	25.70	24.10	0.257	33.01	-8.91
		1907.5	-1.60	1 / 0	25.50	23.90	0.246	33.01	-9.11
		1880.0	-1.60	1 / 24	24.60	23.00	0.200	33.01	-10.01
	16-QAM	1907.5	-1.60	1 / 24	24.04	22.44	0.175	33.01	-10.57
	64-QAM	1880.0	-1.60	1 / 24	22.08	20.48	0.112	33.01	-12.53
	256-QAM								
10 MHz	π/2 BPSK	1855.0	-1.60	1 / 49	25.70	24.10	0.257	33.01	-8.91
		1880.0	-1.60	1 / 49	25.24	23.64	0.231	33.01	-9.38
		1905.0	-1.60	1 / 49	25.60	24.00	0.251	33.01	-9.01
	QPSK	1855.0	-1.60	1 / 49	25.51	23.91	0.246	33.01	-9.10
		1880.0	-1.60	1 / 0	25.58	23.98	0.250	33.01	-9.03
		1905.0	-1.60	1 / 0	25.56	23.96	0.249	33.01	-9.05
		1880.0	-1.60	1 / 0	24.60	23.00	0.199	33.01	-10.01
	16-QAM	1905.0	-1.60	1 / 0	24.04	22.44	0.175	33.01	-10.57
	64-QAM	1880.0	-1.60	1 / 0	22.05	20.45	0.111	33.01	-12.56
	256-QAM								
15 MHz	π/2 BPSK	1857.5	-1.60	1 / 74	25.17	23.57	0.227	33.01	-9.44
		1880.0	-1.60	1 / 37	25.11	23.51	0.224	33.01	-9.50
		1902.5	-1.60	1 / 0	25.05	23.45	0.221	33.01	-9.56
	QPSK	1857.5	-1.60	1 / 37	25.45	23.85	0.243	33.01	-9.16
		1880.0	-1.60	1 / 37	25.49	23.89	0.245	33.01	-9.12
		1902.5	-1.60	1 / 0	25.70	24.10	0.257	33.01	-8.91
		1880.0	-1.60	1 / 0	24.50	22.90	0.195	33.01	-10.11
	16-QAM	1902.5	-1.60	1 / 0	24.03	22.43	0.175	33.01	-10.58
	64-QAM	1857.5	-1.60	1 / 0	22.09	20.49	0.112	33.01	-12.52
	256-QAM								
20 MHz	π/2 BPSK	1860.0	-1.60	1 / 50	25.70	24.10	0.257	33.01	-8.91
		1880.0	-1.60	1 / 99	25.62	24.02	0.252	33.01	-8.99
		1900.0	-1.60	1 / 50	25.59	23.99	0.251	33.01	-9.02
	QPSK	1860.0	-1.60	1 / 99	25.51	23.91	0.246	33.01	-9.10
		1880.0	-1.60	1 / 0	25.70	24.10	0.257	33.01	-8.91
		1900.0	-1.60	1 / 50	25.64	24.04	0.253	33.01	-8.98
		1880.0	-1.60	1 / 99	24.63	23.03	0.201	33.01	-9.98
	16-QAM	1900.0	-1.60	1 / 99	24.16	22.56	0.180	33.01	-10.45
	64-QAM	1900.0	-1.60	1 / 50	22.00	20.40	0.110	33.01	-12.61
	256-QAM								

Table 7-5. Antenna 4 EIRP Data (NR Band n2)

FCC ID: BCGA2568	PART 24 MEASUREMENT REPORT				Approved by: Quality Manager
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WCDMA PCS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1852.40	WCDMA1900	25.45	-1.60	23.85	0.243	33.01	-9.16
1880.00	WCDMA1900	25.43	-1.60	23.83	0.242	33.01	-9.18
1907.60	WCDMA1900	25.49	-1.60	23.89	0.245	33.01	-9.12

Table 7-6. Antenna 4 EIRP Data (WCDMA PCS)

FCC ID: BCGA2568	 PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
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7.6.2 Antenna 1b – EIRP

LTE Band 25

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1850.7	0.80	1 / 0	22.60	23.40	0.219	33.01	-9.61
		1882.5	0.80	1 / 0	22.66	23.46	0.222	33.01	-9.55
		1914.3	0.80	1 / 0	22.69	23.49	0.223	33.01	-9.52
	16-QAM	1850.7	0.80	1 / 0	21.99	22.79	0.190	33.01	-10.22
	64-QAM	1850.7	0.80	1 / 0	21.11	21.91	0.155	33.01	-11.10
	256-QAM	1850.7	0.80	1 / 0	18.10	18.90	0.078	33.01	-14.11
3 MHz	QPSK	1851.5	0.80	1 / 0	22.69	23.49	0.223	33.01	-9.52
		1882.5	0.80	1 / 0	22.64	23.44	0.221	33.01	-9.57
		1913.5	0.80	1 / 14	22.70	23.50	0.224	33.01	-9.51
	16-QAM	1851.5	0.80	1 / 14	22.07	22.87	0.194	33.01	-10.14
	64-QAM	1851.5	0.80	1 / 14	21.14	21.94	0.156	33.01	-11.07
	256-QAM	1851.5	0.80	1 / 14	18.18	18.98	0.079	33.01	-14.03
5 MHz	QPSK	1852.5	0.80	1 / 0	22.67	23.47	0.222	33.01	-9.54
		1882.5	0.80	1 / 0	22.67	23.47	0.222	33.01	-9.54
		1912.5	0.80	1 / 24	22.70	23.50	0.224	33.01	-9.51
	16-QAM	1882.5	0.80	1 / 24	22.26	23.06	0.202	33.01	-9.95
	64-QAM	1852.5	0.80	1 / 0	21.28	22.08	0.161	33.01	-10.93
	256-QAM	1882.5	0.80	1 / 24	18.13	18.93	0.078	33.01	-14.08
10 MHz	QPSK	1855.0	0.80	1 / 25	22.57	23.37	0.217	33.01	-9.64
		1882.5	0.80	1 / 25	22.70	23.50	0.224	33.01	-9.51
		1910.0	0.80	1 / 49	22.70	23.50	0.224	33.01	-9.51
	16-QAM	1910.0	0.80	1 / 49	22.07	22.87	0.194	33.01	-10.14
	64-QAM	1882.5	0.80	1 / 0	21.07	21.87	0.154	33.01	-11.14
	256-QAM	1882.5	0.80	1 / 0	18.17	18.97	0.079	33.01	-14.04
15 MHz	QPSK	1857.5	0.80	1 / 0	22.62	23.42	0.220	33.01	-9.59
		1882.5	0.80	1 / 0	22.67	23.47	0.222	33.01	-9.54
		1907.5	0.80	1 / 0	22.70	23.50	0.224	33.01	-9.51
	16-QAM	1907.5	0.80	1 / 37	22.14	22.94	0.197	33.01	-10.07
	64-QAM	1857.5	0.80	1 / 0	21.19	21.99	0.158	33.01	-11.02
	256-QAM	1882.5	0.80	1 / 0	18.15	18.95	0.079	33.01	-14.06
	QPSK	1860.0	0.80	1 / 0	22.68	23.48	0.223	33.01	-9.53
		1882.5	0.80	1 / 0	22.70	23.50	0.224	33.01	-9.51
		1905.0	0.80	1 / 0	22.61	23.41	0.219	33.01	-9.60
	16-QAM	1905.0	0.80	1 / 0	22.26	23.06	0.202	33.01	-9.95
	64-QAM	1882.5	0.80	1 / 99	21.30	22.10	0.162	33.01	-10.91
	256-QAM	1905.0	0.80	1 / 0	18.07	18.87	0.077	33.01	-14.14

Table 7-7. Antenna 1b EIRP Data (LTE Band 25)

FCC ID: BCGA2568	PART 24 MEASUREMENT REPORT				Approved by: Quality Manager
Test Report S/N: 1C2106080049-02.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device			Page 177 of 214

LTE Band 2

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1850.7	0.80	1 / 0	22.63	23.43	0.220	33.01	-9.58
		1880.0	0.80	1 / 0	22.70	23.50	0.224	33.01	-9.51
		1909.3	0.80	1 / 0	22.64	23.44	0.221	33.01	-9.57
	16-QAM	1850.7	0.80	1 / 0	22.04	22.84	0.192	33.01	-10.17
	64-QAM	1850.7	0.80	1 / 0	21.08	21.88	0.154	33.01	-11.13
	256-QAM	1850.7	0.80	1 / 0	18.13	18.93	0.078	33.01	-14.08
3 MHz	QPSK	1851.5	0.80	1 / 7	22.67	23.47	0.222	33.01	-9.54
		1880.0	0.80	1 / 0	22.69	23.49	0.223	33.01	-9.52
		1908.5	0.80	1 / 14	22.70	23.50	0.224	33.01	-9.51
	16-QAM	1851.5	0.80	1 / 14	22.02	22.82	0.191	33.01	-10.19
	64-QAM	1851.5	0.80	1 / 14	21.09	21.89	0.155	33.01	-11.12
	256-QAM	1880.0	0.80	1 / 0	18.22	19.02	0.080	33.01	-13.99
5 MHz	QPSK	1852.5	0.80	1 / 0	22.70	23.50	0.224	33.01	-9.51
		1880.0	0.80	1 / 24	22.67	23.47	0.222	33.01	-9.54
		1907.5	0.80	1 / 0	22.65	23.45	0.221	33.01	-9.56
	16-QAM	1852.5	0.80	1 / 24	22.18	22.98	0.199	33.01	-10.03
	64-QAM	1852.5	0.80	1 / 0	21.34	22.14	0.164	33.01	-10.87
	256-QAM	1880.0	0.80	1 / 24	18.17	18.97	0.079	33.01	-14.04
10 MHz	QPSK	1855.0	0.80	1 / 25	22.60	23.40	0.219	33.01	-9.61
		1880.0	0.80	1 / 0	22.68	23.48	0.223	33.01	-9.53
		1905.0	0.80	1 / 49	22.70	23.50	0.224	33.01	-9.51
	16-QAM	1905.0	0.80	1 / 0	21.99	22.79	0.190	33.01	-10.22
	64-QAM	1880.0	0.80	1 / 0	21.10	21.90	0.155	33.01	-11.11
	256-QAM	1855.0	0.80	1 / 49	18.14	18.94	0.078	33.01	-14.07
15 MHz	QPSK	1857.5	0.80	1 / 0	22.65	23.45	0.221	33.01	-9.56
		1880.0	0.80	1 / 0	22.70	23.50	0.224	33.01	-9.51
		1902.5	0.80	1 / 0	22.70	23.50	0.224	33.01	-9.51
	16-QAM	1902.5	0.80	1 / 0	22.10	22.90	0.195	33.01	-10.11
	64-QAM	1857.5	0.80	1 / 0	21.18	21.98	0.158	33.01	-11.03
	256-QAM	1880.0	0.80	1 / 0	18.16	18.96	0.079	33.01	-14.05
20 MHz	QPSK	1860.0	0.80	1 / 99	22.69	23.49	0.223	33.01	-9.52
		1880.0	0.80	1 / 0	22.70	23.50	0.224	33.01	-9.51
		1900.0	0.80	1 / 0	22.61	23.41	0.219	33.01	-9.60
	16-QAM	1900.0	0.80	1 / 0	22.25	23.05	0.202	33.01	-9.96
	64-QAM	1880.0	0.80	1 / 0	21.35	22.15	0.164	33.01	-10.86
	256-QAM	1900.0	0.80	1 / 99	18.04	18.84	0.077	33.01	-14.17

Table 7-8. Antenna 1b EIRP Data (LTE Band 2)

FCC ID: BCGA2568	PART 24 MEASUREMENT REPORT				Approved by: Quality Manager
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NR Band n25

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	$\pi/2$ BPSK	1852.5	0.80	1 / 0	22.43	23.23	0.210	33.01	-9.78
		1882.5	0.80	1 / 24	22.49	23.29	0.213	33.01	-9.72
		1912.5	0.80	1 / 12	22.47	23.27	0.212	33.01	-9.74
	QPSK	1852.5	0.80	1 / 24	22.57	23.37	0.217	33.01	-9.64
		1882.5	0.80	1 / 0	22.70	23.50	0.224	33.01	-9.51
		1912.5	0.80	1 / 12	22.70	23.50	0.224	33.01	-9.51
	16-QAM	1852.5	0.80	1 / 24	21.45	22.25	0.168	33.01	-10.76
	64-QAM	1852.5	0.80	1 / 0	20.63	21.43	0.139	33.01	-11.58
	256-QAM	1912.5	0.80	1 / 0	18.34	19.14	0.082	33.01	-13.87
	$\pi/2$ BPSK	1855.0	0.80	1 / 0	22.42	23.22	0.210	33.01	-9.79
		1882.5	0.80	1 / 49	22.31	23.11	0.205	33.01	-9.90
		1910.0	0.80	1 / 25	22.38	23.18	0.208	33.01	-9.83
10 MHz	QPSK	1855.0	0.80	1 / 0	22.59	23.39	0.218	33.01	-9.62
		1882.5	0.80	1 / 0	22.70	23.50	0.224	33.01	-9.51
		1910.0	0.80	1 / 0	22.59	23.39	0.218	33.01	-9.62
	16-QAM	1855.0	0.80	1 / 0	21.78	22.58	0.181	33.01	-10.43
	64-QAM	1882.5	0.80	1 / 49	20.72	21.52	0.142	33.01	-11.49
	256-QAM	1910.0	0.80	1 / 0	18.08	18.88	0.077	33.01	-14.13
	$\pi/2$ BPSK	1857.5	0.80	1 / 0	22.70	23.50	0.224	33.01	-9.51
		1882.5	0.80	1 / 74	22.47	23.27	0.212	33.01	-9.74
		1907.5	0.80	1 / 37	22.30	23.10	0.204	33.01	-9.91
15 MHz	QPSK	1857.5	0.80	1 / 37	22.58	23.38	0.218	33.01	-9.63
		1882.5	0.80	1 / 37	22.40	23.20	0.209	33.01	-9.81
		1907.5	0.80	1 / 37	22.30	23.10	0.204	33.01	-9.91
	16-QAM	1857.5	0.80	1 / 0	21.23	22.03	0.160	33.01	-10.98
	64-QAM	1882.5	0.80	1 / 37	20.50	21.30	0.135	33.01	-11.71
	256-QAM	1882.5	0.80	1 / 0	17.91	18.71	0.074	33.01	-14.30
	$\pi/2$ BPSK	1860.0	0.80	1 / 53	22.18	22.98	0.199	33.01	-10.03
		1882.5	0.80	1 / 53	22.34	23.14	0.206	33.01	-9.87
		1905.0	0.80	1 / 53	22.23	23.03	0.201	33.01	-9.98
20 MHz	QPSK	1860.0	0.80	1 / 53	22.37	23.17	0.208	33.01	-9.84
		1882.5	0.80	1 / 1	22.70	23.50	0.224	33.01	-9.51
		1905.0	0.80	1 / 53	22.19	22.99	0.199	33.01	-10.02
	16-QAM	1860.0	0.80	1 / 53	21.34	22.14	0.164	33.01	-10.87
	64-QAM	1860.0	0.80	1 / 53	20.56	21.36	0.137	33.01	-11.65
	256-QAM	1905.0	0.80	1 / 53	17.82	18.62	0.073	33.01	-14.39
	$\pi/2$ BPSK	1862.5	0.80	1 / 1	20.50	21.30	0.135	33.01	-11.71
		1882.5	0.80	1 / 1	20.37	21.17	0.131	33.01	-11.84
		1902.5	0.80	1 / 53	20.32	21.12	0.130	33.01	-11.89
25 MHz	QPSK	1862.5	0.80	1 / 104	20.58	21.38	0.137	33.01	-11.63
		1882.5	0.80	1 / 104	20.70	21.50	0.141	33.01	-11.51
		1902.5	0.80	1 / 1	20.45	21.25	0.133	33.01	-11.76
	16-QAM	1902.5	0.80	1 / 1	19.26	20.06	0.101	33.01	-12.95
	64-QAM	1902.5	0.80	1 / 53	18.56	19.36	0.086	33.01	-13.65
	256-QAM	1882.5	0.80	1 / 104	15.85	16.65	0.046	33.01	-16.36
	$\pi/2$ BPSK	1865.0	0.80	1 / 104	20.31	21.11	0.129	33.01	-11.90
		1882.5	0.80	1 / 104	20.44	21.24	0.133	33.01	-11.77
		1900.0	0.80	1 / 104	20.17	20.97	0.125	33.01	-12.05
30 MHz	QPSK	1865.0	0.80	1 / 104	20.70	21.50	0.141	33.01	-11.51
		1882.5	0.80	1 / 1	20.54	21.34	0.136	33.01	-11.68
		1900.0	0.80	1 / 1	20.39	21.19	0.132	33.01	-11.82
	16-QAM	1900.0	0.80	1 / 1	19.65	20.45	0.111	33.01	-12.56
	64-QAM	1865.0	0.80	1 / 104	18.89	19.69	0.093	33.01	-13.32
	256-QAM	1900.0	0.80	1 / 1	16.14	16.94	0.049	33.01	-16.07
	$\pi/2$ BPSK	1870.0	0.80	1 / 1	20.19	20.99	0.126	33.01	-12.02
		1882.5	0.80	1 / 104	20.19	20.99	0.126	33.01	-12.02
		1895.0	0.80	1 / 104	20.37	21.17	0.131	33.01	-11.84
40 MHz	QPSK	1870.0	0.80	1 / 1	20.70	21.50	0.141	33.01	-11.51
		1882.5	0.80	1 / 1	20.22	21.02	0.126	33.01	-11.99
		1895.0	0.80	1 / 104	20.44	21.24	0.133	33.01	-11.77
	16-QAM	1870.0	0.80	1 / 53	19.09	19.89	0.097	33.01	-13.12
	64-QAM	1882.5	0.80	1 / 104	18.40	19.20	0.083	33.01	-13.81
	256-QAM	1870.0	0.80	1 / 1	15.71	16.51	0.045	33.01	-16.50

Table 7-9. Antenna 1b EIRP Data (NR Band n25)

FCC ID: BCGA2568	PART 24 MEASUREMENT REPORT					Approved by: Quality Manager
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NR Band n2

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	
5 MHz	π/2 BPSK	1852.5	0.80	1 / 12	22.44	23.24	0.211	33.01	-9.77	
		1880.0	0.80	1 / 12	22.67	23.47	0.223	33.01	-9.54	
		1907.5	0.80	1 / 0	22.49	23.29	0.213	33.01	-9.73	
	QPSK	1852.5	0.80	1 / 12	22.58	23.38	0.218	33.01	-9.63	
		1880.0	0.80	1 / 24	22.70	23.50	0.224	33.01	-9.51	
		1907.5	0.80	1 / 12	22.47	23.27	0.212	33.01	-9.74	
	16-QAM	1852.5	0.80	1 / 24	22.03	22.83	0.192	33.01	-10.18	
	64-QAM	1907.5	0.80	1 / 12	20.39	21.19	0.131	33.01	-11.82	
	256-QAM	1852.5	0.80	1 / 0	17.99	18.79	0.076	33.01	-14.22	
	π/2 BPSK	1855.0	0.80	1 / 49	22.60	23.40	0.219	33.01	-9.62	
10 MHz		1880.0	0.80	1 / 0	22.50	23.30	0.214	33.01	-9.71	
		1905.0	0.80	1 / 0	22.31	23.11	0.205	33.01	-9.90	
QPSK	1855.0	0.80	1 / 0	22.70	23.50	0.224	33.01	-9.51		
	1880.0	0.80	1 / 25	22.67	23.47	0.222	33.01	-9.54		
	1905.0	0.80	1 / 0	22.51	23.31	0.214	33.01	-9.70		
16-QAM	1880.0	0.80	1 / 0	21.87	22.67	0.185	33.01	-10.34		
64-QAM	1855.0	0.80	1 / 25	20.31	21.11	0.129	33.01	-11.90		
256-QAM	1905.0	0.80	1 / 0	18.44	19.24	0.084	33.01	-13.77		
π/2 BPSK	1857.5	0.80	1 / 37	22.60	23.40	0.219	33.01	-9.61		
	15 MHz		1880.0	0.80	1 / 37	22.50	23.30	0.214	33.01	-9.72
			1902.5	0.80	1 / 0	22.40	23.20	0.209	33.01	-9.81
QPSK	1857.5	0.80	1 / 74	22.70	23.50	0.224	33.01	-9.51		
	1880.0	0.80	1 / 37	22.42	23.22	0.210	33.01	-9.79		
	1902.5	0.80	1 / 37	22.49	23.29	0.213	33.01	-9.72		
16-QAM	1880.0	0.80	1 / 74	21.78	22.58	0.181	33.01	-10.43		
64-QAM	1857.5	0.80	1 / 37	20.67	21.47	0.140	33.01	-11.54		
256-QAM	1902.5	0.80	1 / 74	18.25	19.05	0.080	33.01	-13.96		
π/2 BPSK	1860.0	0.80	1 / 99	22.30	23.10	0.204	33.01	-9.91		
	20 MHz		1880.0	0.80	1 / 0	22.55	23.35	0.216	33.01	-9.66
			1900.0	0.80	1 / 0	22.49	23.29	0.213	33.01	-9.72
QPSK	1860.0	0.80	1 / 99	22.70	23.50	0.224	33.01	-9.51		
	1880.0	0.80	1 / 50	22.32	23.12	0.205	33.01	-9.89		
	1900.0	0.80	1 / 99	22.25	23.05	0.202	33.01	-9.96		
16-QAM	1860.0	0.80	1 / 50	21.57	22.37	0.173	33.01	-10.64		
64-QAM	1900.0	0.80	1 / 50	20.20	21.00	0.126	33.01	-12.01		
256-QAM	1900.0	0.80	1 / 50	18.15	18.95	0.079	33.01	-14.06		

Table 7-10. Antenna 1b EIRP Data (NR Band n2)

FCC ID: BCGA2568	PART 24 MEASUREMENT REPORT				Approved by: Quality Manager
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WCDMA PCS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1852.40	WCDMA1900	22.64	0.80	23.44	0.221	33.01	-9.57
1880.00	WCDMA1900	22.66	0.80	23.46	0.222	33.01	-9.55
1907.60	WCDMA1900	22.70	0.80	23.50	0.224	33.01	-9.51

Table 7-11. Antenna 1b EIRP Data (WCDMA PCS)

FCC ID: BCGA2568	 PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
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7.6.3 Antenna 3b – EIRP

LTE Band 25

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	
1.4 MHz	QPSK	1850.7	0.90	1 / 3	24.69	25.59	0.362	33.01	-7.42	
		1882.5	0.90	1 / 3	24.64	25.54	0.358	33.01	-7.47	
		1914.3	0.90	1 / 5	24.70	25.60	0.363	33.01	-7.41	
	16-QAM	1882.5	0.90	1 / 3	24.10	25.00	0.316	33.01	-8.01	
	64-QAM	1914.3	0.90	1 / 0	22.90	23.80	0.240	33.01	-9.21	
	256-QAM	1850.7	0.90	6 / 0	19.99	20.89	0.123	33.01	-12.12	
	QPSK	1851.5	0.90	1 / 14	24.70	25.60	0.363	33.01	-7.41	
3 MHz		1882.5	0.90	1 / 7	24.69	25.59	0.362	33.01	-7.42	
		1913.5	0.90	1 / 7	24.67	25.57	0.361	33.01	-7.44	
16-QAM	1882.5	0.90	1 / 14	24.18	25.08	0.322	33.01	-7.93		
64-QAM	1913.5	0.90	1 / 7	23.03	23.93	0.247	33.01	-9.08		
256-QAM	1913.5	0.90	1 / 7	20.37	21.27	0.134	33.01	-11.74		
QPSK	1852.5	0.90	1 / 24	24.70	25.60	0.363	33.01	-7.41		
	1882.5	0.90	1 / 24	24.66	25.56	0.360	33.01	-7.45		
	1912.5	0.90	1 / 0	24.69	25.59	0.362	33.01	-7.42		
5 MHz	16-QAM	1882.5	0.90	1 / 24	24.23	25.13	0.326	33.01	-7.88	
	64-QAM	1912.5	0.90	1 / 0	23.09	23.99	0.251	33.01	-9.02	
	256-QAM	1852.5	0.90	25 / 0	20.01	20.91	0.123	33.01	-12.10	
	QPSK	1855.0	0.90	1 / 49	24.61	25.51	0.356	33.01	-7.50	
		1882.5	0.90	1 / 25	24.70	25.60	0.363	33.01	-7.41	
		1910.0	0.90	1 / 49	24.70	25.60	0.363	33.01	-7.41	
	16-QAM	1882.5	0.90	1 / 25	24.22	25.12	0.325	33.01	-7.89	
10 MHz	64-QAM	1910.0	0.90	1 / 49	23.04	23.94	0.248	33.01	-9.07	
	256-QAM	1910.0	0.90	1 / 25	20.28	21.18	0.131	33.01	-11.83	
	QPSK	1857.5	0.90	1 / 0	24.70	25.60	0.363	33.01	-7.41	
		1882.5	0.90	1 / 74	24.48	25.38	0.345	33.01	-7.63	
		1907.5	0.90	1 / 37	24.67	25.57	0.361	33.01	-7.44	
	16-QAM	1882.5	0.90	1 / 0	23.97	24.87	0.307	33.01	-8.14	
	64-QAM	1857.5	0.90	1 / 74	23.34	24.24	0.265	33.01	-8.77	
15 MHz	256-QAM	1907.5	0.90	1 / 37	20.31	21.21	0.132	33.01	-11.80	
	QPSK	1860.0	0.90	1 / 50	24.67	25.57	0.361	33.01	-7.44	
		1882.5	0.90	1 / 0	24.67	25.57	0.361	33.01	-7.44	
		1905.0	0.90	1 / 0	24.70	25.60	0.363	33.01	-7.41	
	16-QAM	1860.0	0.90	1 / 99	24.36	25.26	0.336	33.01	-7.75	
	64-QAM	1860.0	0.90	1 / 99	23.62	24.52	0.283	33.01	-8.49	
	256-QAM	1860.0	0.90	1 / 50	20.14	21.04	0.127	33.01	-11.97	

Table 7-12. Antenna 3b EIRP Data (LTE Band 25)

FCC ID: BCGA2568	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080049-02.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device	Page 182 of 214	
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LTE Band 2

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1850.7	0.90	1 / 0	24.70	25.60	0.363	33.01	-7.41
		1880.0	0.90	1 / 0	24.59	25.49	0.354	33.01	-7.52
		1909.3	0.90	1 / 0	24.65	25.55	0.359	33.01	-7.46
	16-QAM	1850.7	0.90	1 / 0	24.03	24.93	0.311	33.01	-8.08
		1880.0	0.90	1 / 0	23.34	24.24	0.265	33.01	-8.77
		1850.7	0.90	1 / 0	20.26	21.16	0.131	33.01	-11.85
3 MHz	QPSK	1851.5	0.90	1 / 0	24.70	25.60	0.363	33.01	-7.41
		1880.0	0.90	1 / 14	24.65	25.55	0.359	33.01	-7.46
		1908.5	0.90	1 / 14	24.62	25.52	0.356	33.01	-7.49
	16-QAM	1880.0	0.90	1 / 14	23.96	24.86	0.306	33.01	-8.15
		1880.0	0.90	1 / 14	23.38	24.28	0.268	33.01	-8.73
		1851.5	0.90	1 / 7	20.19	21.09	0.129	33.01	-11.92
5 MHz	QPSK	1852.5	0.90	1 / 24	24.70	25.60	0.363	33.01	-7.41
		1880.0	0.90	1 / 0	24.64	25.54	0.358	33.01	-7.47
		1907.5	0.90	1 / 12	24.68	25.58	0.361	33.01	-7.43
	16-QAM	1852.5	0.90	1 / 24	24.21	25.11	0.324	33.01	-7.90
		1880.0	0.90	1 / 0	23.31	24.21	0.264	33.01	-8.80
		1907.5	0.90	1 / 24	20.36	21.26	0.134	33.01	-11.75
10 MHz	QPSK	1855.0	0.90	1 / 49	24.70	25.60	0.363	33.01	-7.41
		1880.0	0.90	1 / 49	24.58	25.48	0.353	33.01	-7.53
		1905.0	0.90	1 / 49	24.61	25.51	0.356	33.01	-7.50
	16-QAM	1880.0	0.90	1 / 49	24.04	24.94	0.312	33.01	-8.07
		1880.0	0.90	1 / 0	23.42	24.32	0.270	33.01	-8.69
		1855.0	0.90	1 / 0	20.24	21.14	0.130	33.01	-11.87
15 MHz	QPSK	1857.5	0.90	1 / 0	24.70	25.60	0.363	33.01	-7.41
		1880.0	0.90	1 / 0	24.60	25.50	0.355	33.01	-7.51
		1902.5	0.90	1 / 0	24.62	25.52	0.356	33.01	-7.49
	16-QAM	1857.5	0.90	1 / 0	24.21	25.11	0.324	33.01	-7.90
		1880.0	0.90	1 / 0	23.45	24.35	0.272	33.01	-8.66
		1857.5	0.90	1 / 0	20.12	21.02	0.126	33.01	-11.99
20 MHz	QPSK	1860.0	0.90	1 / 0	24.70	25.60	0.363	33.01	-7.41
		1880.0	0.90	1 / 50	24.67	25.57	0.361	33.01	-7.44
		1900.0	0.90	1 / 50	24.70	25.60	0.363	33.01	-7.41
	16-QAM	1880.0	0.90	1 / 50	24.18	25.08	0.322	33.01	-7.93
		1900.0	0.90	1 / 50	23.38	24.28	0.268	33.01	-8.73
		1880.0	0.90	1 / 50	20.21	21.11	0.129	33.01	-11.90

Table 7-13. Antenna 3b EIRP Data (LTE Band 2)

FCC ID: BCGA2568	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080049-02.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device	Page 183 of 214	
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NR Band n25

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1852.5	0.90	1 / 12	24.18	25.08	0.322	33.01	-7.93
		1882.5	0.90	1 / 24	24.70	25.60	0.363	33.01	-7.41
		1912.5	0.90	1 / 12	24.58	25.48	0.353	33.01	-7.54
	QPSK	1852.5	0.90	1 / 24	24.50	25.40	0.347	33.01	-7.61
		1882.5	0.90	1 / 24	24.53	25.43	0.349	33.01	-7.58
		1912.5	0.90	1 / 24	24.31	25.21	0.332	33.01	-7.80
	16-QAM	1882.5	0.90	1 / 24	23.82	24.72	0.297	33.01	-8.29
		1882.5	0.90	1 / 12	23.08	23.98	0.250	33.01	-9.03
		256-QAM	0.90	1 / 12	20.95	21.85	0.153	33.01	-11.16
10 MHz	π/2 BPSK	1855.0	0.90	1 / 49	24.46	25.36	0.343	33.01	-7.65
		1882.5	0.90	1 / 0	24.51	25.41	0.348	33.01	-7.60
		1910.0	0.90	1 / 25	24.70	25.60	0.363	33.01	-7.41
	QPSK	1855.0	0.90	1 / 25	24.61	25.51	0.355	33.01	-7.50
		1882.5	0.90	1 / 0	24.56	25.46	0.352	33.01	-7.55
		1910.0	0.90	1 / 49	24.61	25.51	0.356	33.01	-7.50
	16-QAM	1882.5	0.90	1 / 25	23.60	24.50	0.282	33.01	-8.51
		1882.5	0.90	1 / 0	23.03	23.93	0.247	33.01	-9.08
		256-QAM	0.90	1 / 0	20.96	21.86	0.154	33.01	-11.15
15 MHz	π/2 BPSK	1857.5	0.90	1 / 74	24.62	25.52	0.357	33.01	-7.49
		1882.5	0.90	1 / 74	24.70	25.60	0.363	33.01	-7.41
		1907.5	0.90	1 / 74	24.64	25.54	0.358	33.01	-7.47
	QPSK	1857.5	0.90	1 / 37	24.48	25.38	0.345	33.01	-7.63
		1882.5	0.90	1 / 37	24.48	25.38	0.345	33.01	-7.63
		1907.5	0.90	1 / 74	24.48	25.38	0.345	33.01	-7.63
	16-QAM	1882.5	0.90	1 / 74	23.71	24.61	0.289	33.01	-8.40
		1907.5	0.90	1 / 37	22.93	23.83	0.241	33.01	-9.18
		256-QAM	0.90	1 / 37	21.05	21.95	0.157	33.01	-11.06
20 MHz	π/2 BPSK	1860.0	0.90	1 / 53	24.67	25.57	0.361	33.01	-7.44
		1882.5	0.90	1 / 1	24.70	25.60	0.363	33.01	-7.41
		1905.0	0.90	1 / 53	24.46	25.36	0.344	33.01	-7.65
	QPSK	1860.0	0.90	1 / 1	24.56	25.46	0.351	33.01	-7.55
		1882.5	0.90	1 / 1	24.56	25.46	0.352	33.01	-7.55
		1905.0	0.90	1 / 1	24.46	25.36	0.344	33.01	-7.65
	16-QAM	1882.5	0.90	1 / 1	23.57	24.47	0.280	33.01	-8.54
		1882.5	0.90	1 / 53	23.06	23.96	0.249	33.01	-9.05
		256-QAM	0.90	1 / 53	20.94	21.84	0.153	33.01	-11.17
25 MHz	π/2 BPSK	1862.5	0.90	1 / 53	22.70	23.60	0.229	33.01	-9.41
		1882.5	0.90	1 / 104	22.58	23.48	0.223	33.01	-9.53
		1902.5	0.90	1 / 104	22.13	23.03	0.201	33.01	-9.98
	QPSK	1862.5	0.90	1 / 104	22.58	23.48	0.223	33.01	-9.53
		1882.5	0.90	1 / 104	22.68	23.58	0.228	33.01	-9.43
		1902.5	0.90	1 / 1	22.51	23.41	0.219	33.01	-9.60
	16-QAM	1882.5	0.90	1 / 1	21.86	22.76	0.189	33.01	-10.25
		1862.5	0.90	1 / 1	20.93	21.83	0.152	33.01	-11.18
		256-QAM	0.90	1 / 1	18.88	19.78	0.095	33.01	-13.23
30 MHz	π/2 BPSK	1865.0	0.90	1 / 104	22.48	23.38	0.218	33.01	-9.64
		1882.5	0.90	1 / 1	22.19	23.09	0.204	33.01	-9.92
		1900.0	0.90	1 / 1	22.46	23.36	0.217	33.01	-9.65
	QPSK	1865.0	0.90	1 / 104	22.70	23.60	0.229	33.01	-9.41
		1882.5	0.90	1 / 53	22.45	23.35	0.216	33.01	-9.66
		1900.0	0.90	1 / 53	22.44	23.34	0.216	33.01	-9.67
	16-QAM	1900.0	0.90	1 / 104	21.59	22.49	0.177	33.01	-10.52
		1900.0	0.90	1 / 53	20.94	21.84	0.153	33.01	-11.17
		256-QAM	0.90	1 / 53	18.84	19.74	0.094	33.01	-13.27
40 MHz	π/2 BPSK	1870.0	0.90	1 / 104	22.41	23.31	0.215	33.01	-9.70
		1882.5	0.90	1 / 104	22.64	23.54	0.226	33.01	-9.47
		1895.0	0.90	1 / 104	22.27	23.17	0.207	33.01	-9.84
	QPSK	1870.0	0.90	1 / 104	22.60	23.50	0.224	33.01	-9.51
		1882.5	0.90	1 / 53	22.42	23.32	0.215	33.01	-9.69
		1895.0	0.90	1 / 53	22.50	23.40	0.219	33.01	-9.61
	16-QAM	1882.5	0.90	1 / 104	21.56	22.46	0.176	33.01	-10.55
		1882.5	0.90	1 / 104	20.96	21.86	0.154	33.01	-11.15
		256-QAM	0.90	1 / 104	18.91	19.81	0.096	33.01	-13.20

Table 7-14. Antenna 3b EIRP Data (NR Band n25)

FCC ID: BCGA2568	PART 24 MEASUREMENT REPORT					Approved by: Quality Manager
Test Report S/N: 1C2106080049-02.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device				Page 184 of 214

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NR Band n2

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	
5 MHz	$\pi/2$ BPSK	1852.5	0.90	1 / 24	24.70	25.60	0.363	33.01	-7.41	
		1880.0	0.90	1 / 24	24.41	25.31	0.339	33.01	-7.70	
		1907.5	0.90	1 / 24	24.43	25.33	0.341	33.01	-7.68	
	QPSK	1852.5	0.90	1 / 12	24.58	25.48	0.353	33.01	-7.53	
		1880.0	0.90	1 / 24	24.24	25.14	0.327	33.01	-7.87	
		1907.5	0.90	1 / 0	24.48	25.38	0.345	33.01	-7.63	
	16-QAM	1880.0	0.90	1 / 0	23.50	24.40	0.275	33.01	-8.61	
	64-QAM	1852.5	0.90	1 / 12	22.89	23.79	0.239	33.01	-9.22	
	256-QAM	1880.0	0.90	1 / 12	20.91	21.81	0.152	33.01	-11.20	
	$\pi/2$ BPSK	1855.0	0.90	1 / 0	24.42	25.32	0.340	33.01	-7.69	
10 MHz		1880.0	0.90	1 / 25	24.41	25.31	0.339	33.01	-7.70	
		1905.0	0.90	1 / 49	24.70	25.60	0.363	33.01	-7.41	
QPSK	1855.0	0.90	1 / 25	24.52	25.42	0.348	33.01	-7.59		
	1880.0	0.90	1 / 25	24.55	25.45	0.351	33.01	-7.56		
	1905.0	0.90	1 / 0	24.49	25.39	0.346	33.01	-7.62		
16-QAM	1880.0	0.90	1 / 25	23.46	24.36	0.273	33.01	-8.66		
64-QAM	1880.0	0.90	1 / 25	23.05	23.95	0.248	33.01	-9.06		
256-QAM	1855.0	0.90	1 / 25	20.94	21.84	0.153	33.01	-11.17		
$\pi/2$ BPSK	1857.5	0.90	1 / 37	24.70	25.60	0.363	33.01	-7.41		
	15 MHz		1880.0	0.90	1 / 74	24.61	25.51	0.356	33.01	-7.50
			1902.5	0.90	1 / 74	24.33	25.23	0.333	33.01	-7.78
QPSK	1857.5	0.90	1 / 37	24.65	25.55	0.359	33.01	-7.46		
	1880.0	0.90	1 / 74	24.53	25.43	0.349	33.01	-7.58		
	1902.5	0.90	1 / 0	24.49	25.39	0.346	33.01	-7.62		
16-QAM	1857.5	0.90	1 / 74	23.63	24.53	0.284	33.01	-8.48		
64-QAM	1902.5	0.90	1 / 74	23.05	23.95	0.248	33.01	-9.06		
256-QAM	1857.5	0.90	1 / 74	20.95	21.85	0.153	33.01	-11.16		
$\pi/2$ BPSK	1860.0	0.90	1 / 50	24.36	25.26	0.336	33.01	-7.75		
	20 MHz		1880.0	0.90	1 / 99	24.38	25.28	0.337	33.01	-7.73
			1900.0	0.90	1 / 99	24.70	25.60	0.363	33.01	-7.41
QPSK	1860.0	0.90	1 / 99	24.54	25.44	0.350	33.01	-7.57		
	1880.0	0.90	1 / 99	24.48	25.38	0.345	33.01	-7.64		
	1900.0	0.90	1 / 99	24.45	25.35	0.343	33.01	-7.66		
16-QAM	1880.0	0.90	1 / 99	23.55	24.45	0.279	33.01	-8.56		
64-QAM	1900.0	0.90	1 / 99	22.94	23.84	0.242	33.01	-9.17		
256-QAM	1900.0	0.90	1 / 99	21.06	21.96	0.157	33.01	-11.05		

Table 7-15. Antenna 3b EIRP Data (NR Band n2)

FCC ID: BCGA2568	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080049-02.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device	Page 185 of 214	

WCDMA PCS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1852.40	WCDMA1900	24.48	0.90	25.38	0.345	33.01	-7.63
1880.00	WCDMA1900	24.34	0.90	25.24	0.334	33.01	-7.77
1907.60	WCDMA1900	24.37	0.90	25.27	0.337	33.01	-7.74

Table 7-16. Antenna 3b EIRP Data (WCDMA PCS)

FCC ID: BCGA2568	 PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
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7.6.4 Antenna 2 – EIRP

LTE Band 25

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1850.7	-1.60	1 / 0	23.61	22.01	0.159	33.01	-11.00
		1882.5	-1.60	1 / 0	23.67	22.07	0.161	33.01	-10.94
		1914.3	-1.60	1 / 0	23.70	22.10	0.162	33.01	-10.91
	16-QAM	1850.7	-1.60	1 / 0	23.00	21.40	0.138	33.01	-11.61
	64-QAM	1850.7	-1.60	1 / 0	22.12	20.52	0.113	33.01	-12.49
	256-QAM	1850.7	-1.60	1 / 0	19.11	17.51	0.056	33.01	-15.50
3 MHz	QPSK	1851.5	-1.60	1 / 0	23.56	21.96	0.157	33.01	-11.05
		1882.5	-1.60	1 / 14	23.61	22.01	0.159	33.01	-11.00
		1913.5	-1.60	1 / 14	23.70	22.10	0.162	33.01	-10.91
	16-QAM	1913.5	-1.60	1 / 14	23.00	21.40	0.138	33.01	-11.61
	64-QAM	1851.5	-1.60	1 / 14	22.01	20.41	0.110	33.01	-12.60
	256-QAM	1851.5	-1.60	15 / 0	19.14	17.54	0.057	33.01	-15.47
5 MHz	QPSK	1852.5	-1.60	1 / 0	23.67	22.07	0.161	33.01	-10.94
		1882.5	-1.60	1 / 0	23.61	22.01	0.159	33.01	-11.00
		1912.5	-1.60	1 / 24	23.70	22.10	0.162	33.01	-10.91
	16-QAM	1882.5	-1.60	1 / 24	23.20	21.60	0.145	33.01	-11.41
	64-QAM	1852.5	-1.60	1 / 0	22.28	20.68	0.117	33.01	-12.33
	256-QAM	1852.5	-1.60	25 / 0	19.15	17.55	0.057	33.01	-15.46
10 MHz	QPSK	1855.0	-1.60	1 / 25	23.45	21.85	0.153	33.01	-11.16
		1882.5	-1.60	1 / 25	23.58	21.98	0.158	33.01	-11.03
		1910.0	-1.60	1 / 49	23.70	22.10	0.162	33.01	-10.91
	16-QAM	1910.0	-1.60	1 / 49	23.07	21.47	0.140	33.01	-11.54
	64-QAM	1882.5	-1.60	1 / 0	21.95	20.35	0.108	33.01	-12.66
	256-QAM	1855.0	-1.60	50 / 0	19.15	17.55	0.057	33.01	-15.46
15 MHz	QPSK	1857.5	-1.60	1 / 0	23.58	21.98	0.158	33.01	-11.03
		1882.5	-1.60	1 / 0	23.63	22.03	0.160	33.01	-10.98
		1907.5	-1.60	1 / 0	23.70	22.10	0.162	33.01	-10.91
	16-QAM	1907.5	-1.60	1 / 37	23.10	21.50	0.141	33.01	-11.51
	64-QAM	1857.5	-1.60	1 / 0	22.15	20.55	0.114	33.01	-12.46
	256-QAM	1907.5	-1.60	1 / 0	19.12	17.52	0.056	33.01	-15.49
20 MHz	QPSK	1860.0	-1.60	1 / 50	23.59	21.99	0.158	33.01	-11.02
		1882.5	-1.60	1 / 0	23.70	22.10	0.162	33.01	-10.91
		1905.0	-1.60	1 / 0	23.45	21.85	0.153	33.01	-11.16
	16-QAM	1905.0	-1.60	1 / 0	23.10	21.50	0.141	33.01	-11.51
	64-QAM	1882.5	-1.60	1 / 0	22.29	20.69	0.117	33.01	-12.32
	256-QAM	1860.0	-1.60	100 / 0	19.07	17.47	0.056	33.01	-15.54

Table 7-17. Antenna 2 EIRP Data (LTE Band 25)

FCC ID: BCGA2568	PART 24 MEASUREMENT REPORT				Approved by: Quality Manager
Test Report S/N: 1C2106080049-02.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device			Page 187 of 214

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LTE Band 2

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	
1.4 MHz	QPSK	1850.7	-1.60	1 / 0	23.70	22.10	0.162	33.01	-10.91	
		1880.0	-1.60	1 / 3	23.57	21.97	0.157	33.01	-11.04	
		1909.3	-1.60	1 / 0	23.68	22.08	0.161	33.01	-10.93	
	16-QAM 64-QAM 256-QAM	1850.7	-1.60	1 / 0	23.24	21.64	0.146	33.01	-11.37	
		1909.3	-1.60	1 / 0	22.39	20.79	0.120	33.01	-12.22	
		1909.3	-1.60	1 / 0	19.53	17.93	0.062	33.01	-15.08	
	QPSK 16-QAM 64-QAM 256-QAM	1851.5	-1.60	1 / 0	23.70	22.10	0.162	33.01	-10.91	
		1880.0	-1.60	1 / 14	23.63	22.03	0.160	33.01	-10.98	
		1908.5	-1.60	1 / 7	23.64	22.04	0.160	33.01	-10.97	
3 MHz		1851.5	-1.60	1 / 7	23.04	21.44	0.139	33.01	-11.57	
		1880.0	-1.60	1 / 14	22.34	20.74	0.119	33.01	-12.27	
		1880.0	-1.60	1 / 14	19.26	17.66	0.058	33.01	-15.35	
QPSK 16-QAM 64-QAM 256-QAM	1852.5	-1.60	1 / 24	23.70	22.10	0.162	33.01	-10.91		
	1880.0	-1.60	1 / 24	23.63	22.03	0.160	33.01	-10.98		
	1907.5	-1.60	1 / 24	23.63	22.03	0.160	33.01	-10.98		
	1852.5	-1.60	1 / 24	23.17	21.57	0.144	33.01	-11.44		
	1852.5	-1.60	1 / 24	22.57	20.97	0.125	33.01	-12.04		
	1852.5	-1.60	1 / 24	19.62	18.02	0.063	33.01	-14.99		
10 MHz	QPSK	1855.0	-1.60	1 / 49	23.70	22.10	0.162	33.01	-10.91	
		1880.0	-1.60	1 / 49	23.67	22.07	0.161	33.01	-10.94	
		1905.0	-1.60	1 / 49	23.69	22.09	0.162	33.01	-10.92	
	16-QAM 64-QAM 256-QAM	1855.0	-1.60	1 / 0	23.16	21.56	0.143	33.01	-11.45	
		1880.0	-1.60	1 / 49	22.47	20.87	0.122	33.01	-12.14	
		1880.0	-1.60	1 / 49	19.33	17.73	0.059	33.01	-15.28	
	QPSK 16-QAM 64-QAM 256-QAM	1857.5	-1.60	1 / 0	23.70	22.10	0.162	33.01	-10.91	
		1880.0	-1.60	1 / 0	23.57	21.97	0.157	33.01	-11.04	
		1902.5	-1.60	1 / 0	23.65	22.05	0.160	33.01	-10.96	
		1880.0	-1.60	1 / 74	23.21	21.61	0.145	33.01	-11.40	
		1880.0	-1.60	1 / 0	22.42	20.82	0.121	33.01	-12.19	
		1857.5	-1.60	1 / 0	19.60	18.00	0.063	33.01	-15.01	
15 MHz	QPSK 16-QAM 64-QAM 256-QAM	1860.0	-1.60	1 / 50	23.70	22.10	0.162	33.01	-10.91	
		1880.0	-1.60	1 / 0	23.59	21.99	0.158	33.01	-11.02	
		1900.0	-1.60	1 / 0	23.70	22.10	0.162	33.01	-10.91	
		1900.0	-1.60	1 / 0	23.28	21.68	0.147	33.01	-11.33	
		1860.0	-1.60	1 / 0	22.39	20.79	0.120	33.01	-12.22	
		1860.0	-1.60	1 / 0	19.40	17.80	0.060	33.01	-15.21	
	QPSK	1860.0	-1.60	1 / 0	23.70	22.10	0.162	33.01	-10.91	
		1880.0	-1.60	1 / 0	23.57	21.97	0.157	33.01	-11.04	
		1900.0	-1.60	1 / 0	23.65	22.05	0.160	33.01	-10.96	
20 MHz	16-QAM 64-QAM 256-QAM	1860.0	-1.60	1 / 0	23.28	21.68	0.147	33.01	-11.33	
		1860.0	-1.60	1 / 0	22.39	20.79	0.120	33.01	-12.22	
		1860.0	-1.60	1 / 0	19.40	17.80	0.060	33.01	-15.21	

Table 7-18. Antenna 2 EIRP Data (LTE Band 2)

FCC ID: BCGA2568	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080049-02.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device	Page 188 of 214	
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NR Band n25

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1852.5	-1.60	1 / 12	23.48	21.88	0.154	33.01	-11.13
		1882.5	-1.60	1 / 0	23.70	22.10	0.162	33.01	-10.91
		1912.5	-1.60	1 / 24	23.23	21.63	0.146	33.01	-11.38
	QPSK	1852.5	-1.60	1 / 24	23.51	21.91	0.155	33.01	-11.10
		1882.5	-1.60	1 / 0	23.60	22.00	0.159	33.01	-11.01
		1912.5	-1.60	1 / 12	23.41	21.81	0.152	33.01	-11.20
	16-QAM	1882.5	-1.60	1 / 24	22.49	20.89	0.123	33.01	-12.12
	64-QAM	1912.5	-1.60	1 / 24	21.12	19.52	0.089	33.01	-13.49
	256-QAM	1912.5	-1.60	1 / 12	18.94	17.34	0.054	33.01	-15.68
	π/2 BPSK	1855.0	-1.60	1 / 25	23.60	22.00	0.159	33.01	-11.01
		1882.5	-1.60	1 / 25	23.70	22.10	0.162	33.01	-10.91
		1910.0	-1.60	1 / 0	23.41	21.81	0.152	33.01	-11.20
10 MHz	QPSK	1855.0	-1.60	1 / 49	23.54	21.94	0.156	33.01	-11.07
		1882.5	-1.60	1 / 49	23.53	21.93	0.156	33.01	-11.08
		1910.0	-1.60	1 / 0	23.70	22.10	0.162	33.01	-10.91
	16-QAM	1855.0	-1.60	1 / 0	22.25	20.65	0.116	33.01	-12.36
	64-QAM	1855.0	-1.60	1 / 25	21.35	19.75	0.095	33.01	-13.26
	256-QAM	1910.0	-1.60	1 / 0	19.35	17.75	0.060	33.01	-15.26
	π/2 BPSK	1857.5	-1.60	1 / 37	23.47	21.87	0.154	33.01	-11.14
		1882.5	-1.60	1 / 0	23.60	22.00	0.158	33.01	-11.01
		1907.5	-1.60	1 / 0	23.60	22.00	0.159	33.01	-11.01
15 MHz	QPSK	1857.5	-1.60	1 / 0	23.70	22.10	0.162	33.01	-10.91
		1882.5	-1.60	1 / 74	23.51	21.91	0.155	33.01	-11.10
		1907.5	-1.60	1 / 0	23.62	22.02	0.159	33.01	-10.99
	16-QAM	1882.5	-1.60	1 / 74	22.66	21.06	0.128	33.01	-11.95
	64-QAM	1907.5	-1.60	1 / 0	21.22	19.62	0.092	33.01	-13.39
	256-QAM	1907.5	-1.60	1 / 37	18.84	17.24	0.053	33.01	-15.77
	π/2 BPSK	1860.0	-1.60	1 / 1	23.68	22.08	0.162	33.01	-10.93
		1882.5	-1.60	1 / 104	23.44	21.84	0.153	33.01	-11.17
		1905.0	-1.60	1 / 1	23.56	21.96	0.157	33.01	-11.05
20 MHz	QPSK	1860.0	-1.60	1 / 53	23.65	22.05	0.160	33.01	-10.97
		1882.5	-1.60	1 / 1	23.59	21.99	0.158	33.01	-11.02
		1905.0	-1.60	1 / 53	23.42	21.82	0.152	33.01	-11.19
	16-QAM	1882.5	-1.60	1 / 53	22.64	21.04	0.127	33.01	-11.97
	64-QAM	1905.0	-1.60	1 / 53	21.47	19.87	0.097	33.01	-13.14
	256-QAM	1860.0	-1.60	1 / 1	19.01	17.41	0.055	33.01	-15.60
	π/2 BPSK	1862.5	-1.60	1 / 1	21.55	19.95	0.099	33.01	-13.06
		1882.5	-1.60	1 / 1	21.70	20.10	0.102	33.01	-12.91
		1902.5	-1.60	1 / 104	21.70	20.10	0.102	33.01	-12.91
25 MHz	QPSK	1862.5	-1.60	1 / 1	21.46	19.86	0.097	33.01	-13.15
		1882.5	-1.60	1 / 1	21.68	20.08	0.102	33.01	-12.93
		1902.5	-1.60	1 / 104	21.69	20.09	0.102	33.01	-12.92
	16-QAM	1862.5	-1.60	1 / 104	20.52	18.92	0.078	33.01	-14.09
	64-QAM	1862.5	-1.60	1 / 104	19.25	17.65	0.058	33.01	-15.36
	256-QAM	1862.5	-1.60	1 / 1	17.14	15.54	0.036	33.01	-17.47
	π/2 BPSK	1865.0	-1.60	1 / 104	21.63	20.03	0.101	33.01	-12.98
		1882.5	-1.60	1 / 1	21.68	20.08	0.102	33.01	-12.93
		1900.0	-1.60	1 / 104	21.52	19.92	0.098	33.01	-13.09
30 MHz	QPSK	1865.0	-1.60	1 / 104	21.43	19.83	0.096	33.01	-13.18
		1882.5	-1.60	1 / 53	21.70	20.10	0.102	33.01	-12.91
		1900.0	-1.60	1 / 53	21.46	19.86	0.097	33.01	-13.15
	16-QAM	1865.0	-1.60	1 / 104	20.33	18.73	0.075	33.01	-14.28
	64-QAM	1900.0	-1.60	1 / 104	19.55	17.95	0.062	33.01	-15.06
	256-QAM	1865.0	-1.60	1 / 53	16.92	15.32	0.034	33.01	-17.69
	π/2 BPSK	1870.0	-1.60	1 / 104	21.56	19.96	0.099	33.01	-13.05
		1882.5	-1.60	1 / 1	21.70	20.10	0.102	33.01	-12.91
		1895.0	-1.60	1 / 104	21.61	20.01	0.100	33.01	-13.00
40 MHz	QPSK	1870.0	-1.60	1 / 1	21.62	20.02	0.100	33.01	-12.99
		1882.5	-1.60	1 / 104	21.48	19.88	0.097	33.01	-13.13
		1895.0	-1.60	1 / 1	21.64	20.04	0.101	33.01	-12.97
	16-QAM	1882.5	-1.60	1 / 1	20.40	18.80	0.076	33.01	-14.21
	64-QAM	1870.0	-1.60	1 / 104	19.26	17.66	0.058	33.01	-15.35
	256-QAM	1870.0	-1.60	1 / 104	17.27	15.67	0.037	33.01	-17.34

Table 7-19. Antenna 2 EIRP Data (NR Band n25)

FCC ID: BCGA2568	PART 24 MEASUREMENT REPORT					Approved by: Quality Manager
Test Report S/N: 1C2106080049-02.BCG	Test Dates: 6/2/2021 - 8/18/2021	EUT Type: Tablet Device				Page 189 of 214
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NR Band n2

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	
5 MHz	$\pi/2$ BPSK	1852.5	-1.60	1 / 12	23.46	21.86	0.154	33.01	-11.15	
		1880.0	-1.60	1 / 12	23.70	22.10	0.162	33.01	-10.91	
		1907.5	-1.60	1 / 12	23.67	22.07	0.161	33.01	-10.94	
	QPSK	1852.5	-1.60	1 / 24	23.57	21.97	0.157	33.01	-11.04	
		1880.0	-1.60	1 / 12	23.65	22.05	0.160	33.01	-10.96	
		1907.5	-1.60	1 / 24	23.68	22.08	0.161	33.01	-10.93	
	16-QAM	1907.5	-1.60	1 / 24	22.28	20.68	0.117	33.01	-12.33	
	64-QAM	1907.5	-1.60	1 / 24	21.14	19.54	0.090	33.01	-13.48	
	256-QAM	1907.5	-1.60	1 / 24	19.21	17.61	0.058	33.01	-15.40	
	$\pi/2$ BPSK	1855.0	-1.60	1 / 49	23.64	22.04	0.160	33.01	-10.97	
10 MHz		1880.0	-1.60	1 / 25	23.58	21.98	0.158	33.01	-11.03	
		1905.0	-1.60	1 / 0	23.29	21.69	0.148	33.01	-11.32	
QPSK	1855.0	-1.60	1 / 0	23.37	21.77	0.150	33.01	-11.24		
	1880.0	-1.60	1 / 0	23.64	22.04	0.160	33.01	-10.97		
	1905.0	-1.60	1 / 25	23.33	21.73	0.149	33.01	-11.28		
16-QAM	1880.0	-1.60	1 / 0	22.43	20.83	0.121	33.01	-12.18		
64-QAM	1905.0	-1.60	1 / 0	21.00	19.40	0.087	33.01	-13.62		
256-QAM	1880.0	-1.60	1 / 25	19.10	17.50	0.056	33.01	-15.51		
$\pi/2$ BPSK	1857.5	-1.60	1 / 0	23.67	22.07	0.161	33.01	-10.94		
	15 MHz		1880.0	-1.60	1 / 74	23.68	22.08	0.161	33.01	-10.94
			1902.5	-1.60	1 / 37	23.70	22.10	0.162	33.01	-10.91
QPSK	1857.5	-1.60	1 / 37	23.39	21.79	0.151	33.01	-11.22		
	1880.0	-1.60	1 / 37	23.61	22.01	0.159	33.01	-11.00		
	1902.5	-1.60	1 / 74	23.41	21.81	0.152	33.01	-11.20		
16-QAM	1880.0	-1.60	1 / 37	22.61	21.01	0.126	33.01	-12.00		
64-QAM	1857.5	-1.60	1 / 37	21.35	19.75	0.095	33.01	-13.26		
256-QAM	1902.5	-1.60	1 / 0	19.31	17.71	0.059	33.01	-15.30		
$\pi/2$ BPSK	1860.0	-1.60	1 / 99	23.58	21.98	0.158	33.01	-11.03		
	20 MHz		1880.0	-1.60	1 / 0	23.64	22.04	0.160	33.01	-10.97
			1900.0	-1.60	1 / 50	23.70	22.10	0.162	33.01	-10.91
QPSK	1860.0	-1.60	1 / 0	23.59	21.99	0.158	33.01	-11.02		
	1880.0	-1.60	1 / 99	23.24	21.64	0.146	33.01	-11.37		
	1900.0	-1.60	1 / 50	23.36	21.76	0.150	33.01	-11.26		
16-QAM	1880.0	-1.60	1 / 99	22.40	20.80	0.120	33.01	-12.21		
64-QAM	1880.0	-1.60	1 / 99	21.14	19.54	0.090	33.01	-13.47		
256-QAM	1900.0	-1.60	1 / 0	19.16	17.56	0.057	33.01	-15.45		

Table 7-20. Antenna 2 EIRP Data (NR Band n2)

FCC ID: BCGA2568	PART 24 MEASUREMENT REPORT				Approved by: Quality Manager
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WCDMA PCS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1852.40	WCDMA1900	23.58	-1.60	21.98	0.158	33.01	-11.03
1880.00	WCDMA1900	23.35	-1.60	21.75	0.150	33.01	-11.26
1907.60	WCDMA1900	23.27	-1.60	21.67	0.147	33.01	-11.34

Table 7-21. Antenna 2 EIRP Data (WCDMA PCS)

FCC ID: BCGA2568	 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 x RBW
3. Span = 1.5 times the OBW
4. No. of sweep points \geq 2 x span / RBW
5. Detector = RMS
6. Trace mode = Average (Max Hold for pulsed emissions)
7. The trace was allowed to stabilize

FCC ID: BCGA2568	 PCTEST Proud to be part of 		PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
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Test Setup

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

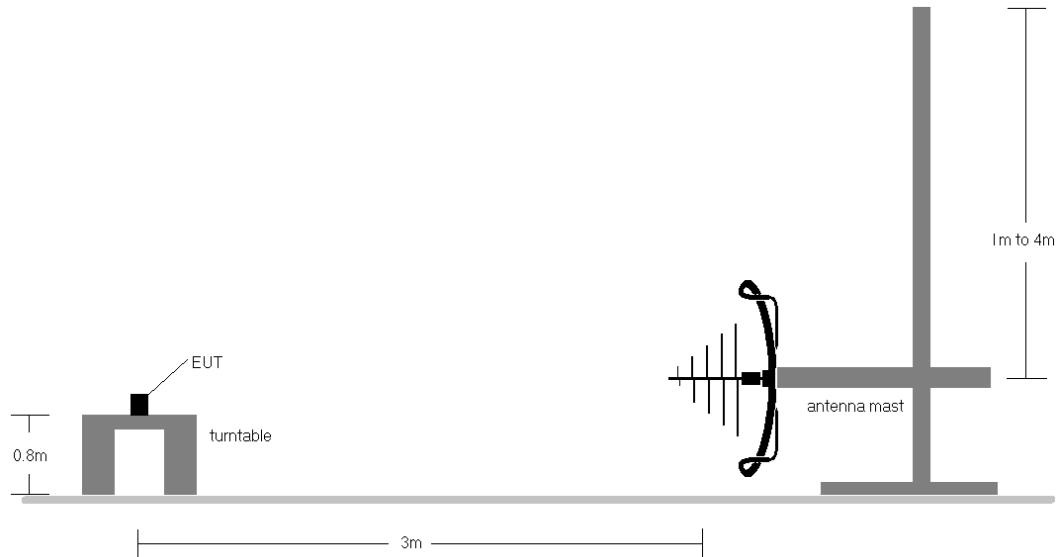


Figure 7-6. Test Instrument & Measurement Setup < 1GHz

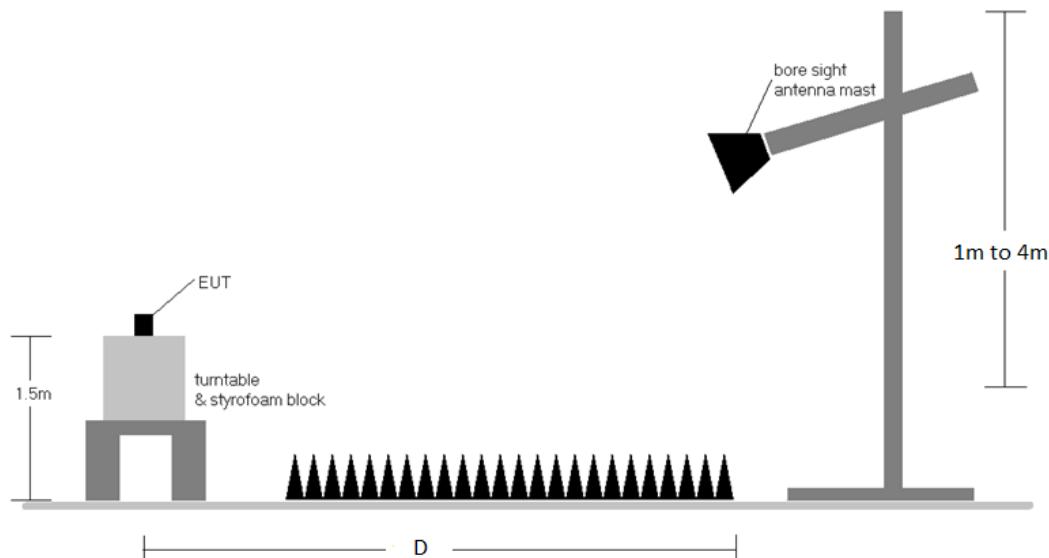


Figure 7-7. Test Instrument & Measurement Setup > 1 GHz

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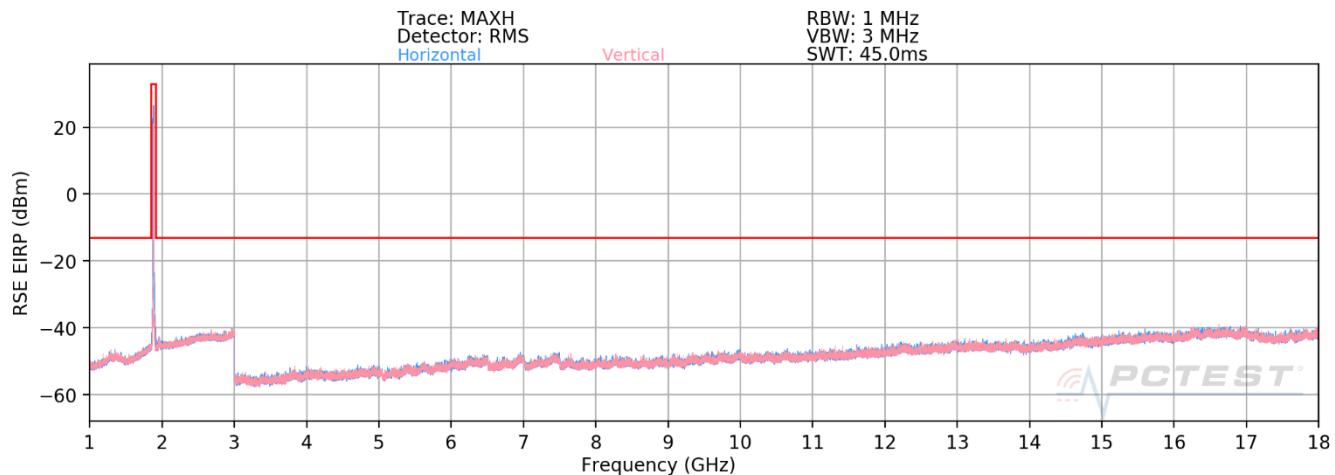
Test Notes

1. Field strengths are calculated using the Measurement quantity conversions in KDB 971168 Section 5.8.4.
 - a. $E(\text{dB}\mu\text{V}/\text{m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b. $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V}/\text{m}) + 20\log D - 104.8$; where D is the measurement distance in meters.
2. 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".
3. 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.
4. This unit was tested with its standard battery.
5. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
6. D is the measurement test distance and emissions 1-18GHz were measured at a 3 meters test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
7. No significant emissions were found for below 1GHz and Above 18GHz measurement.
8. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
9. 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.
10. Spurious emission in EN-DC Operating mode with Sub 6GHz NR carrier as well as an LTE carrier (anchor) has been checked and was found to not to be the worst case.

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7.7.1 Antenna 4 – Radiated Spurious Emission Measurement

LTE Band 25/2



Plot 7-297. 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3720.0	V	-	-	-80.37	6.74	33.37	-61.89	-13.00	-48.89
5580.0	V	-	-	-81.43	10.09	35.66	-59.59	-13.00	-46.59
7440.0	V	-	-	-80.55	12.38	38.83	-56.43	-13.00	-43.43

Table 7-22. Antenna 4 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3765.0	V	-	-	-80.70	7.57	33.87	-61.39	-13.00	-48.39
5647.5	V	-	-	-81.57	10.50	35.93	-59.33	-13.00	-46.33
7530.0	V	-	-	-81.49	11.21	36.72	-58.54	-13.00	-45.54

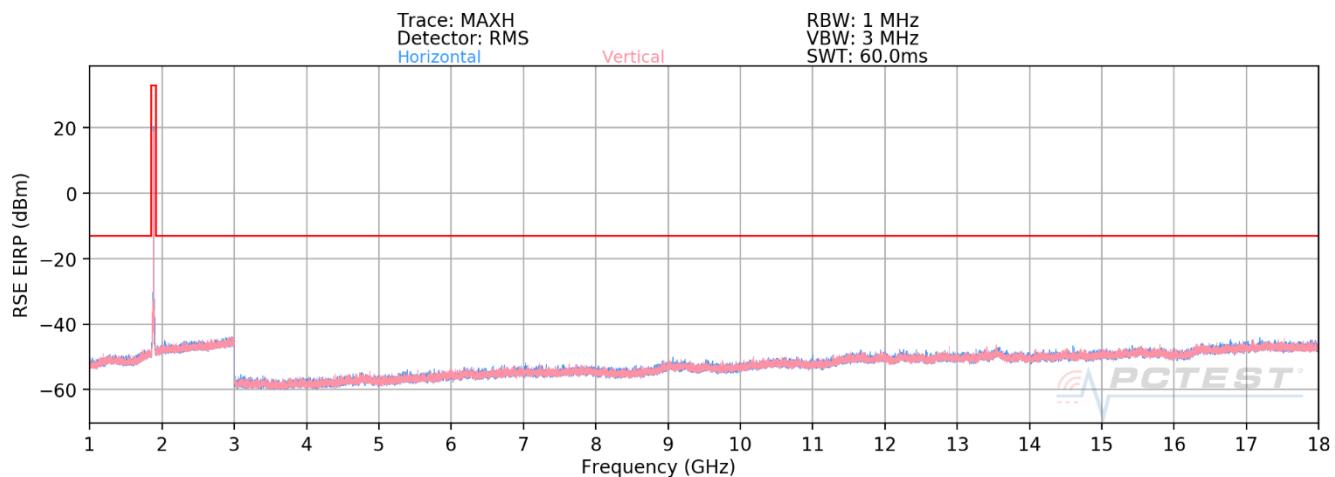
Table 7-23. Antenna 4 Radiated Spurious Data (LTE Band 25/2 – Mid Channel)

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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3810.00	V	-	-	-80.84	8.12	34.28	-60.98	-13.00	-47.98
5715.00	V	-	-	-80.94	9.00	35.06	-60.20	-13.00	-47.20
7620.00	V	-	-	-82.51	12.98	37.47	-57.79	-13.00	-44.79

Table 7-24. Antenna 4 Radiated Spurious Data (LTE Band 25/2 – High Channel)

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NR Band n25/n2



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Bandwidth (MHz):	40
Frequency (MHz):	1870.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3740.0	V	-	-	-78.64	3.50	31.86	-63.40	-13.00	-50.40
5610.0	V	-	-	-80.36	7.44	34.08	-61.18	-13.00	-48.18
7480.0	V	-	-	-80.22	8.44	35.22	-60.04	-13.00	-47.04

Table 7-25. Antenna 4 Radiated Spurious Data (NR Band n25/n2 – Low Channel)

Bandwidth (MHz):	40
Frequency (MHz):	1882.5
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3765.0	V	-	-	-78.55	4.01	32.46	-62.80	-13.00	-49.80
5647.5	V	-	-	-80.77	7.30	33.53	-61.73	-13.00	-48.73
7530.0	V	-	-	-80.25	8.69	35.44	-59.82	-13.00	-46.82

Table 7-26. Antenna 4 Radiated Spurious Data (NR Band n25/n2 – Mid Channel)

Bandwidth (MHz):	40
Frequency (MHz):	1895.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3790.0	V	-	-	-78.95	3.94	31.99	-63.27	-13.00	-50.27
5685.0	V	-	-	-80.12	6.90	33.78	-61.48	-13.00	-48.48
7580.0	V	-	-	-80.95	9.19	35.24	-60.02	-13.00	-47.02

Table 7-27. Antenna 4 Radiated Spurious Data (NR Band n25/n2 – High Channel)

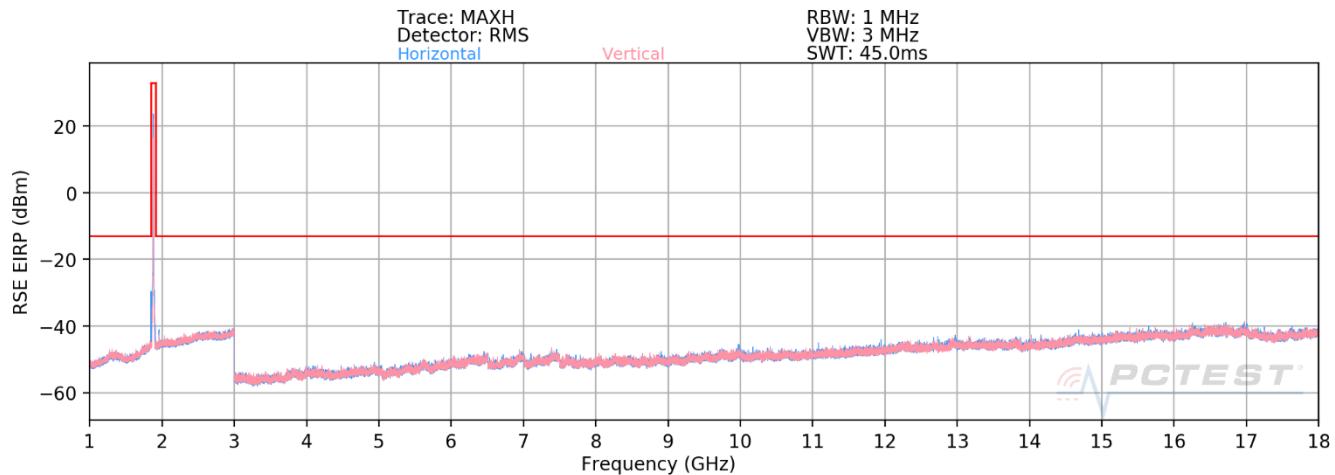
FCC ID: BCGA2568	PART 24 MEASUREMENT REPORT					Approved by: Quality Manager
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WCDMA PCS



FCC ID: BCGA2568	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
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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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3704.8	V	-	-	-80.35	6.32	32.97	-62.28	-13.00	-49.28
5557.2	V	-	-	-81.43	9.62	35.19	-60.06	-13.00	-47.06
7409.6	V	-	-	-80.61	12.51	38.90	-56.36	-13.00	-43.36

Table 7-28. Antenna 4 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3760.0	V	-	-	-80.58	7.46	33.88	-61.38	-13.00	-48.38
5640.0	V	-	-	-81.53	10.72	36.19	-59.07	-13.00	-46.07
7520.0	V	-	-	-81.59	11.20	36.61	-58.65	-13.00	-45.65

Table 7-29. Antenna 4 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3815.2	V	-	-	-80.98	8.22	34.24	-61.02	-13.00	-48.02
5722.8	V	-	-	-80.74	9.02	35.28	-59.98	-13.00	-46.98
7630.4	V	-	-	-82.78	13.10	37.32	-57.94	-13.00	-44.94

Table 7-30. Antenna 4 Radiated Spurious Data (WCDMA PCS – High Channel)

FCC ID: BCGA2568	PART 24 MEASUREMENT REPORT					Approved by: Quality Manager
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7.7.2 Antenna 1b – 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3720.0	H	-	-	-80.52	6.74	33.22	-62.04	-13.00	-49.04
5580.0	H	-	-	-81.28	10.09	35.81	-59.44	-13.00	-46.44
7440.0	H	-	-	-80.71	12.38	38.67	-56.59	-13.00	-43.59

Table 7-31. Antenna 1b 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3765.0	H	-	-	-80.82	7.57	33.75	-61.51	-13.00	-48.51
5647.5	H	-	-	-81.45	10.50	36.05	-59.21	-13.00	-46.21
7530.0	H	-	-	-81.46	11.21	36.75	-58.51	-13.00	-45.51

Table 7-32. Antenna 1b 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3810.00	H	-	-	-80.73	8.12	34.39	-60.87	-13.00	-47.87
5715.00	H	-	-	-80.93	9.00	35.07	-60.19	-13.00	-47.19
7620.00	H	-	-	-82.39	12.98	37.59	-57.67	-13.00	-44.67

Table 7-33. Antenna 1b Radiated Spurious Data (LTE Band 25/2 – High Channel)

FCC ID: BCGA2568	PART 24 MEASUREMENT REPORT					Approved by: Quality Manager
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NR Band n25/n2

Bandwidth (MHz):	40	
Frequency (MHz):	1870.0	
RB / Offset:	1 / 108	

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3740.0	H	-	-	-78.64	3.36	31.72	-63.54	-13.00	-50.54
5610.0	H	-	-	-80.25	6.92	33.67	-61.59	-13.00	-48.59
7480.0	H	-	-	-80.31	8.27	34.96	-60.29	-13.00	-47.29

Table 7-34. Antenna 1b Radiated Spurious Data (NR Band n25/n2 – Low Channel)

Bandwidth (MHz):	40	
Frequency (MHz):	1882.5	
RB / Offset:	1 / 108	

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3765.0	H	-	-	-78.54	4.01	32.47	-62.79	-13.00	-49.79
5647.5	H	-	-	-80.74	7.30	33.56	-61.70	-13.00	-48.70
7530.0	H	-	-	-80.17	8.69	35.52	-59.74	-13.00	-46.74

Table 7-35. Antenna 1b Radiated Spurious Data (NR Band n25/n2 – Mid Channel)

Bandwidth (MHz):	40	
Frequency (MHz):	1895.0	
RB / Offset:	1 / 108	

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3790.0	H	-	-	-78.93	3.94	32.01	-63.25	-13.00	-50.25
5685.0	H	-	-	-80.02	6.90	33.88	-61.38	-13.00	-48.38
7580.0	H	-	-	-80.84	9.19	35.35	-59.91	-13.00	-46.91

Table 7-36. Antenna 1b Radiated Spurious Data (NR Band n25/n2 – High Channel)

FCC ID: BCGA2568	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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3704.8	H	-	-	-80.32	6.32	33.00	-62.25	-13.00	-49.25
5557.2	H	-	-	-80.71	9.62	35.91	-59.34	-13.00	-46.34
7409.6	H	-	-	-80.72	12.51	38.79	-56.47	-13.00	-43.47

Table 7-37. Antenna 1b 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3760.0	H	-	-	-80.68	7.46	33.78	-61.48	-13.00	-48.48
5640.0	H	-	-	-81.61	10.72	36.11	-59.15	-13.00	-46.15
7520.0	H	-	-	-81.48	11.20	36.72	-58.54	-13.00	-45.54

Table 7-38. Antenna 1b 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3815.2	H	-	-	-80.90	8.22	34.32	-60.94	-13.00	-47.94
5722.8	H	-	-	-80.99	9.02	35.03	-60.23	-13.00	-47.23
7630.4	H	-	-	-82.75	13.10	37.35	-57.91	-13.00	-44.91

Table 7-39. Antenna 1b Radiated Spurious Data (WCDMA PCS – High Channel)

FCC ID: BCGA2568	PART 24 MEASUREMENT REPORT					Approved by: Quality Manager
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7.7.3 Antenna 3b – 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3720.0	H	-	-	-80.42	6.74	33.32	-61.94	-13.00	-48.94
5580.0	H	-	-	-81.17	10.09	35.92	-59.33	-13.00	-46.33
7440.0	H	-	-	-80.52	12.38	38.86	-56.40	-13.00	-43.40

Table 7-40. Antenna 3b 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3765.0	H	-	-	-80.91	7.57	33.66	-61.60	-13.00	-48.60
5647.5	H	-	-	-81.74	10.50	35.76	-59.50	-13.00	-46.50
7530.0	H	-	-	-81.56	11.21	36.65	-58.61	-13.00	-45.61

Table 7-41. Antenna 3b 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3810.00	H	-	-	-80.80	8.12	34.32	-60.94	-13.00	-47.94
5715.00	H	-	-	-80.97	9.00	35.03	-60.23	-13.00	-47.23
7620.00	H	-	-	-82.60	12.98	37.38	-57.88	-13.00	-44.88

Table 7-42. Antenna 3b Radiated Spurious Data (LTE Band 25/2 – High Channel)

FCC ID: BCGA2568	PART 24 MEASUREMENT REPORT					Approved by: Quality Manager
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NR Band n25/n2

Bandwidth (MHz):	40	
Frequency (MHz):	1870.0	
RB / Offset:	1 / 108	

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3740.0	H	-	-	-78.72	3.36	31.64	-63.62	-13.00	-50.62
5610.0	H	-	-	-80.14	6.92	33.78	-61.48	-13.00	-48.48
7480.0	H	-	-	-80.36	8.27	34.91	-60.34	-13.00	-47.34

Table 7-43. Antenna 3b Radiated Spurious Data (NR Band n25/n2 – Low Channel)

Bandwidth (MHz):	40	
Frequency (MHz):	1882.5	
RB / Offset:	1 / 108	

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3765.0	H	-	-	-78.36	4.01	32.65	-62.61	-13.00	-49.61
5647.5	H	-	-	-80.72	7.30	33.58	-61.68	-13.00	-48.68
7530.0	H	-	-	-80.23	8.69	35.46	-59.80	-13.00	-46.80

Table 7-44. Antenna 3b Radiated Spurious Data (NR Band n25/n2 – Mid Channel)

Bandwidth (MHz):	40	
Frequency (MHz):	1895.0	
RB / Offset:	1 / 108	

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3790.0	H	-	-	-78.98	3.94	31.96	-63.30	-13.00	-50.30
5685.0	H	-	-	-80.04	6.90	33.86	-61.40	-13.00	-48.40
7580.0	H	-	-	-80.87	9.19	35.32	-59.94	-13.00	-46.94

Table 7-45. Antenna 3b Radiated Spurious Data (NR Band n25/n2 – 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3704.8	H	-	-	-80.51	6.32	32.81	-62.44	-13.00	-49.44
5557.2	H	-	-	-81.10	9.62	35.52	-59.73	-13.00	-46.73
7409.6	H	-	-	-80.76	12.51	38.75	-56.51	-13.00	-43.51

Table 7-46. Antenna 3b 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3760.0	H	-	-	-80.81	7.46	33.65	-61.61	-13.00	-48.61
5640.0	H	-	-	-81.06	10.72	36.66	-58.60	-13.00	-45.60
7520.0	H	-	-	-81.38	11.20	36.82	-58.44	-13.00	-45.44

Table 7-47. Antenna 3b 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3815.2	H	-	-	-80.99	8.22	34.23	-61.03	-13.00	-48.03
5722.8	H	-	-	-80.86	9.02	35.16	-60.10	-13.00	-47.10
7630.4	H	-	-	-82.58	13.10	37.52	-57.74	-13.00	-44.74

Table 7-48. Antenna 3b Radiated Spurious Data (WCDMA PCS – High Channel)

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7.7.4 Antenna 2 – 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3720.0	H	-	-	-80.43	6.74	33.31	-61.95	-13.00	-48.95
5580.0	H	-	-	-81.35	10.09	35.74	-59.51	-13.00	-46.51
7440.0	H	-	-	-80.66	12.38	38.72	-56.54	-13.00	-43.54

Table 7-49. Antenna 2 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3765.0	H	-	-	-80.80	7.57	33.77	-61.49	-13.00	-48.49
5647.5	H	-	-	-81.15	10.50	36.35	-58.91	-13.00	-45.91
7530.0	H	-	-	-81.57	11.21	36.64	-58.62	-13.00	-45.62

Table 7-50. Antenna 2 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3810.00	H	-	-	-80.69	8.12	34.43	-60.83	-13.00	-47.83
5715.00	H	-	-	-80.64	9.00	35.36	-59.90	-13.00	-46.90
7620.00	H	-	-	-82.67	12.98	37.31	-57.95	-13.00	-44.95

Table 7-51. Antenna 2 Radiated Spurious Data (LTE Band 25/2 – High Channel)

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NR Band n25/n2

Bandwidth (MHz):	40								
Frequency (MHz):	1870.0								
RB / Offset:	1 / 108								
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3740.0	H	114	323	-77.67	3.50	32.83	-62.43	-13.00	-49.43
5610.0	H	-	-	-80.36	7.44	34.08	-61.18	-13.00	-48.18
7480.0	H	-	-	-80.16	8.44	35.28	-59.98	-13.00	-46.98
9350.0	H	-	-	-80.67	10.60	36.93	-58.33	-13.00	-45.33

Table 7-52. Antenna 2 Radiated Spurious Data (NR Band n25/n2 – Low Channel)

Bandwidth (MHz):	40								
Frequency (MHz):	1882.5								
RB / Offset:	1 / 108								
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3765.0	H	159	323	-78.02	4.01	32.99	-62.27	-13.00	-49.27
5647.5	H	-	-	-80.74	7.30	33.56	-61.70	-13.00	-48.70
7530.0	H	-	-	-80.29	8.69	35.40	-59.86	-13.00	-46.86
9412.5	H	-	-	-80.72	10.31	36.59	-58.66	-13.00	-45.66

Table 7-53. Antenna 2 Radiated Spurious Data (NR Band n25/n2 – Mid Channel)

Bandwidth (MHz):	40								
Frequency (MHz):	1895.0								
RB / Offset:	1 / 108								
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3790.0	H	-	-	-78.93	3.94	32.01	-63.25	-13.00	-50.25
5685.0	H	-	-	-80.22	6.90	33.68	-61.58	-13.00	-48.58
7580.0	H	-	-	-80.86	9.19	35.33	-59.93	-13.00	-46.93
9475.0	H	-	-	-81.06	11.74	37.68	-57.58	-13.00	-44.58

Table 7-54. Antenna 2 Radiated Spurious Data (NR Band n25/n2 – 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3704.8	H	-	-	-80.42	6.32	32.90	-62.35	-13.00	-49.35
5557.2	H	-	-	-81.33	9.62	35.29	-59.96	-13.00	-46.96
7409.6	H	-	-	-80.69	12.51	38.82	-56.44	-13.00	-43.44

Table 7-55. Antenna 2 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3760.0	H	-	-	-80.75	7.46	33.71	-61.55	-13.00	-48.55
5640.0	H	-	-	-81.63	10.72	36.09	-59.17	-13.00	-46.17
7520.0	H	-	-	-81.25	11.20	36.95	-58.31	-13.00	-45.31

Table 7-56. Antenna 2 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3815.2	H	-	-	-80.98	8.22	34.24	-61.02	-13.00	-48.02
5722.8	H	-	-	-80.83	9.02	35.19	-60.07	-13.00	-47.07
7630.4	H	-	-	-82.59	13.10	37.51	-57.75	-13.00	-44.75

Table 7-57. Antenna 2 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:

- Temperature:** The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.
- 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

- The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).
- 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.
- 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

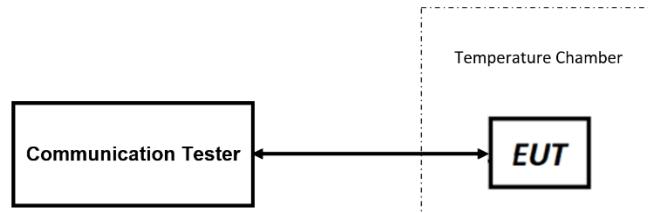


Figure 7-8. Test Instrument & Measurement Setup

Test Notes

- All port were tested and only the worst case data were reported.
- 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

		Low Channel Frequency (Hz):		1,860,000,000			
		High Channel Frequency (Hz):		1,905,000,000			
		Ref. Voltage (VDC):		3.80			
Voltage (%)	Power (VDC)	Temp (°C)	Low Freq. (Hz)	High Freq. (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	1,859,999,999	1,905,000,002	2	0	0.0000001
		- 20	1,859,999,999	1,905,000,004	2	2	0.0000001
		- 10	1,859,999,995	1,905,000,004	-2	2	-0.0000001
		0	1,859,999,995	1,905,000,005	-2	3	0.0000002
		+ 10	1,859,999,995	1,905,000,004	-2	2	-0.0000001
		+ 20 (Ref)	1,859,999,997	1,905,000,002	0	0	0.0000000
		+ 30	1,859,999,994	1,905,000,004	-3	2	-0.0000002
		+ 40	1,859,999,994	1,904,999,999	-3	-3	-0.0000002
		+ 50	1,859,999,994	1,905,000,001	-3	-1	-0.0000002
Battery Endpoint	3.23	+ 20	1,859,999,994	1,905,000,000	-3	-2	-0.0000002

Table 7-58. LTE Band 25/2 Frequency Stability Data

Note: 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

NR Band n25/2

		Low Channel Frequency (Hz):		1,870,000,000			
		High Channel Frequency (Hz):		1,895,000,000			
		Ref. Voltage (VDC):		3.80			
Voltage (%)	Power (VDC)	Temp (°C)	Low Freq. (Hz)	High Freq. (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	1,869,840,500	1,894,915,500	-78,500	-10,000	-0.0041980
		- 20	1,869,902,000	1,894,906,000	-17,000	-19,500	-0.0010291
		- 10	1,869,905,000	1,894,913,000	-14,000	-12,500	-0.0007487
		0	1,869,868,000	1,894,882,000	-51,000	-43,500	-0.0027274
		+ 10	1,869,927,500	1,894,867,000	8,500	-58,500	-0.0030872
		+ 20 (Ref)	1,869,919,000	1,894,925,500	0	0	0.0000000
		+ 30	1,869,850,500	1,894,826,000	-68,500	-99,500	-0.0052509
		+ 40	1,869,894,500	1,894,857,000	-24,500	-68,500	-0.0036149
		+ 50	1,869,850,500	1,894,848,500	-68,500	-77,000	-0.0040635
Battery Endpoint	3.23	+ 20	1,869,838,100	1,894,853,000	-80,900	-72,500	-0.0043264

Table 7-59. NR Band n25/n2 Frequency Stability Data

Note: 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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WCDMA PCS

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 Freq. (Hz)	High Freq. (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	1,852,400,022	1,907,600,027	14	12	0.0000007
		- 20	1,852,400,016	1,907,600,035	8	20	0.0000011
		- 10	1,852,400,015	1,907,600,035	7	21	0.0000011
		0	1,852,400,016	1,907,600,033	7	18	0.0000010
		+ 10	1,852,400,018	1,907,600,029	10	14	0.0000008
		+ 20 (Ref)	1,852,400,008	1,907,600,014	0	0	0.0000000
		+ 30	1,852,400,021	1,907,600,027	13	12	0.0000007
		+ 40	1,852,400,023	1,907,600,022	15	7	0.0000008
		+ 50	1,852,400,023	1,907,600,020	15	6	0.0000008
Battery Endpoint	3.23	+ 20	1,852,400,015	1,907,600,026	7	12	0.0000006

Table 7-60. WCDMA PCS Frequency Stability Data

Note: 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: BCGA2568** complies with all the requirements of Part 24 of the FCC rules.

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