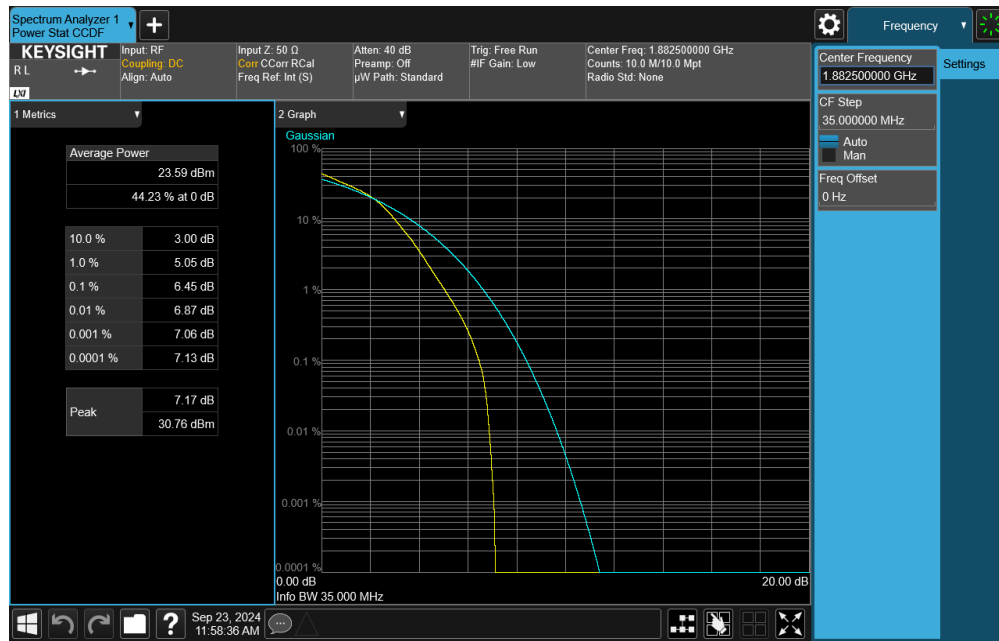
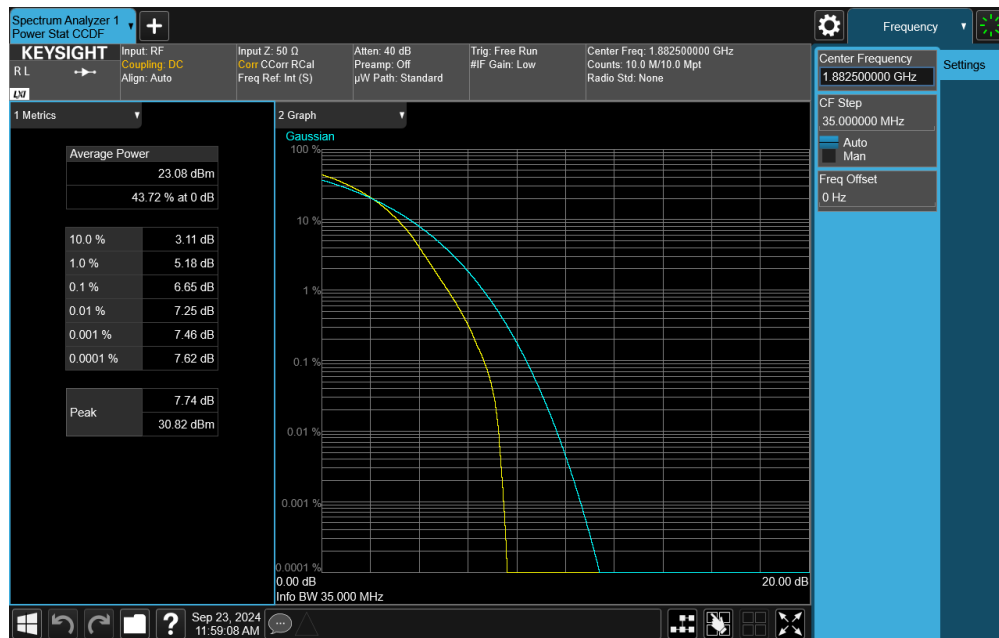




Plot 7-273. PAR Plot (NR Band n25 - 35MHz DFT-s-OFDM 16-QAM - Full RB)

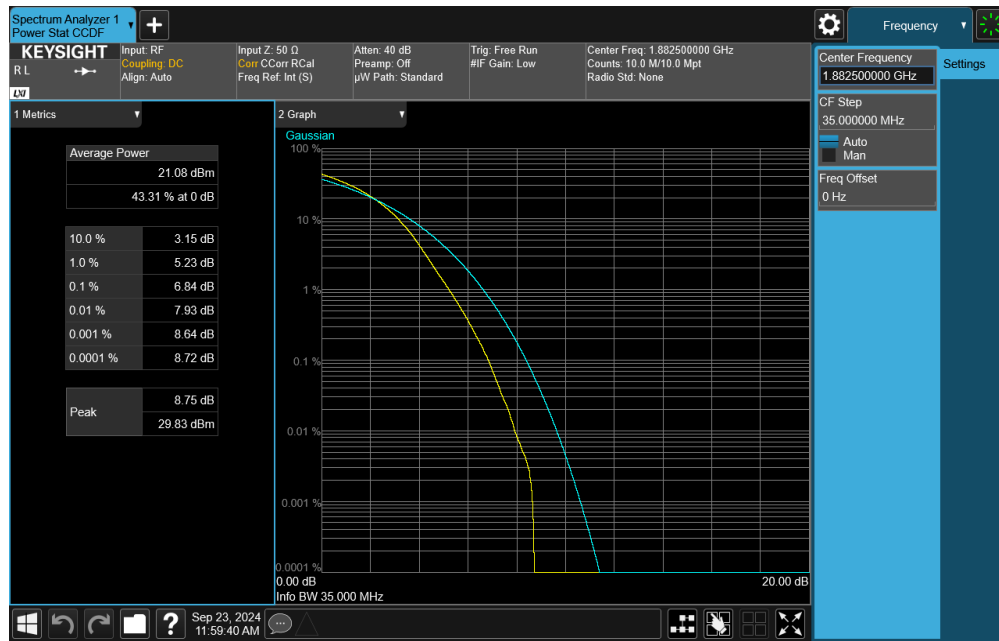


Plot 7-274. PAR Plot (NR Band n25 - 35MHz DFT-s-OFDM 64-QAM - Full RB)

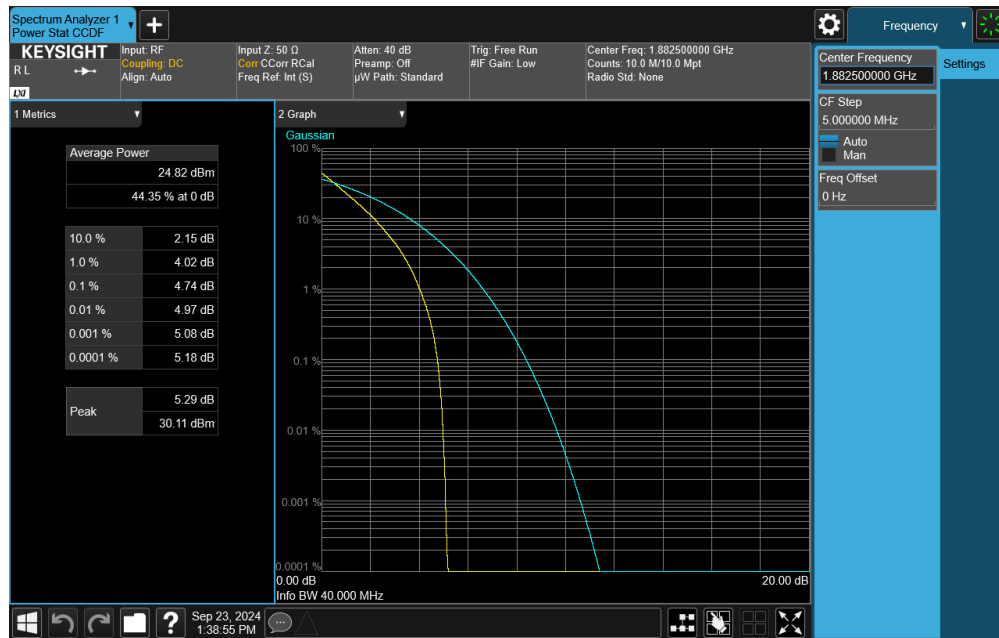
FCC ID: BCGA3267	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device
		Page 159 of 219

V2.2 09/07/2023

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Plot 7-275. PAR Plot (NR Band n25 - 35MHz DFT-s-OFDM 256-QAM - Full RB)

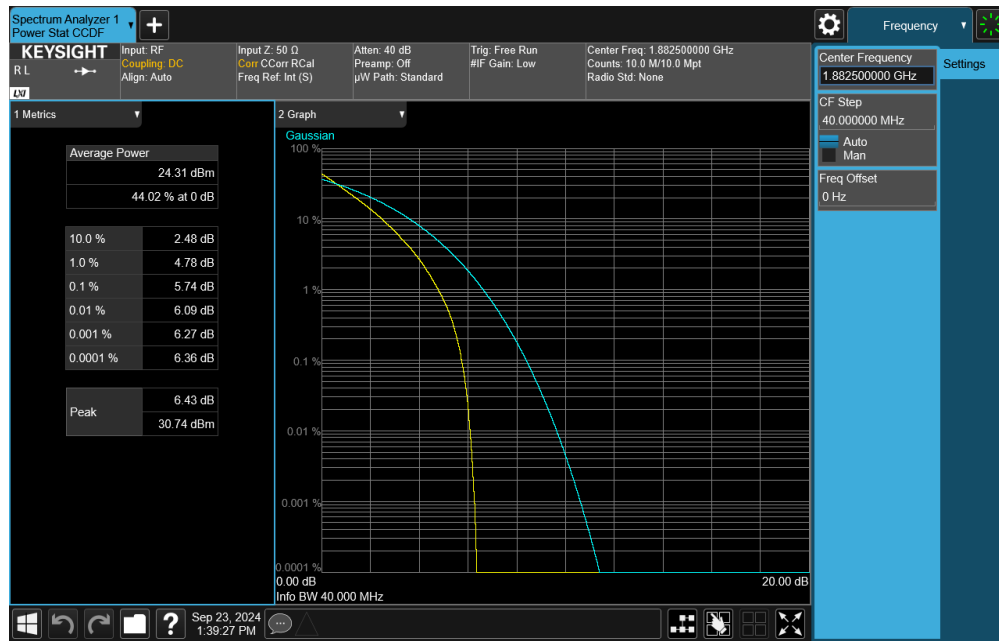


Plot 7-276. PAR Plot (NR Band n25 - 40MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

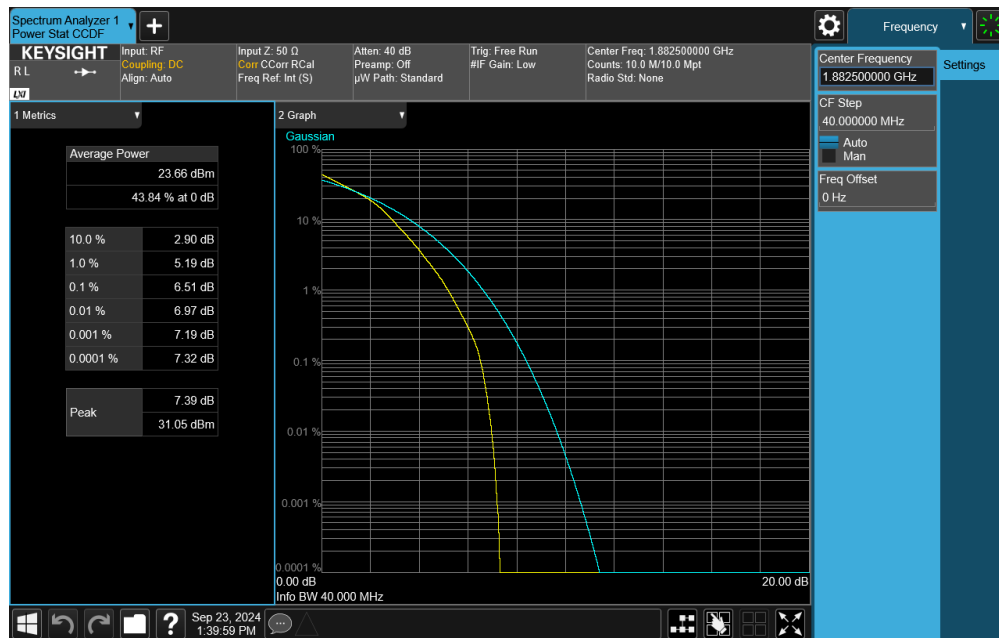
FCC ID: BCGA3267	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device
		Page 160 of 219

V2.2 09/07/2023

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Plot 7-277. PAR Plot (NR Band n25 - 40MHz DFT-s-OFDM QPSK - Full RB)

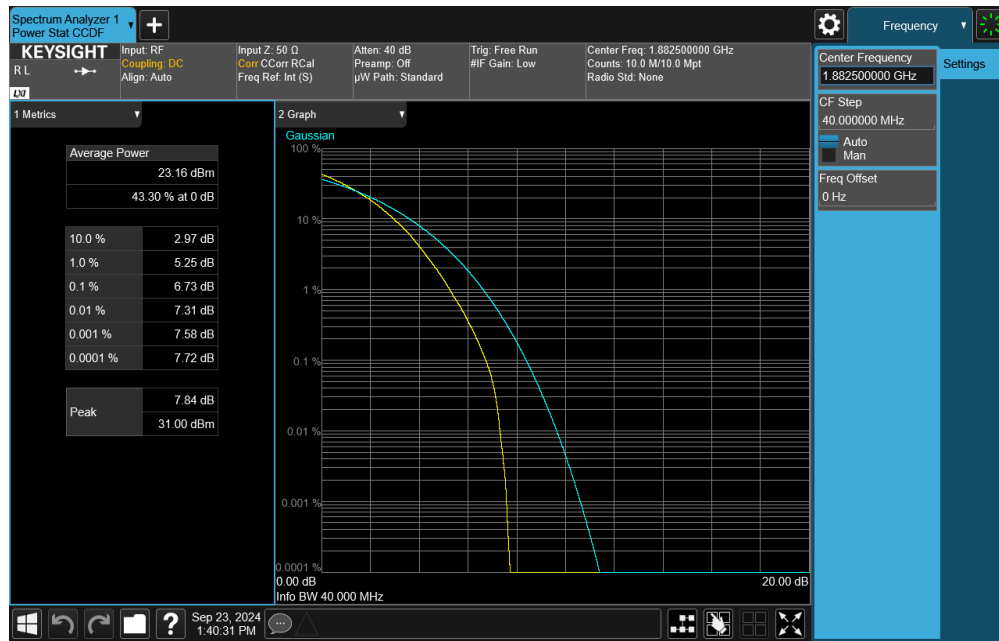


Plot 7-278. PAR Plot (NR Band n25 - 40MHz DFT-s-OFDM 16-QAM - Full RB)

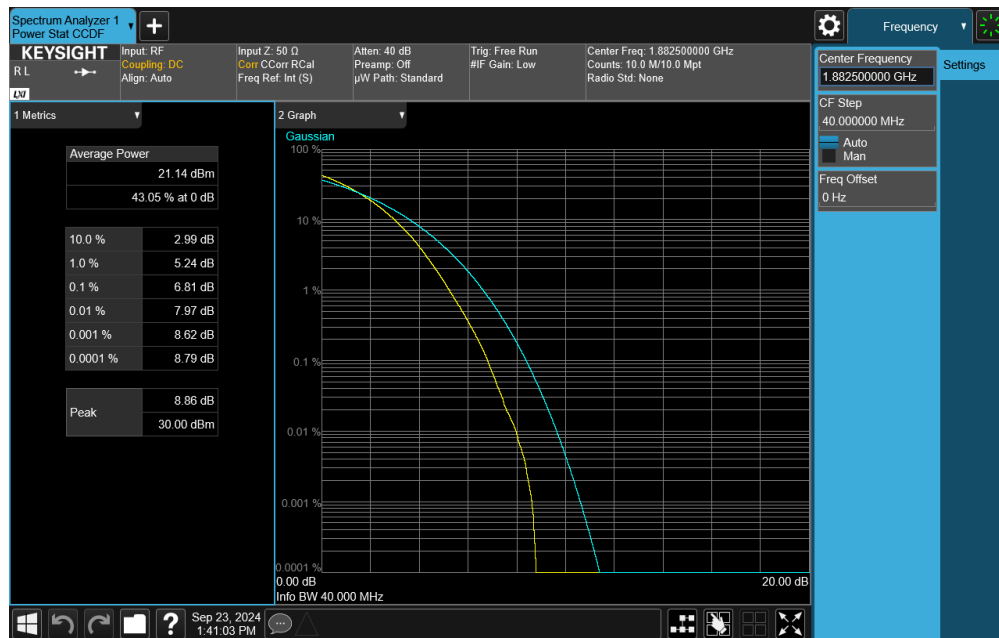
FCC ID: BCGA3267	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device
		Page 161 of 219

V2.2 09/07/2023

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Plot 7-279. PAR Plot (NR Band n25 - 40MHz DFT-s-OFDM 64-QAM - Full RB)



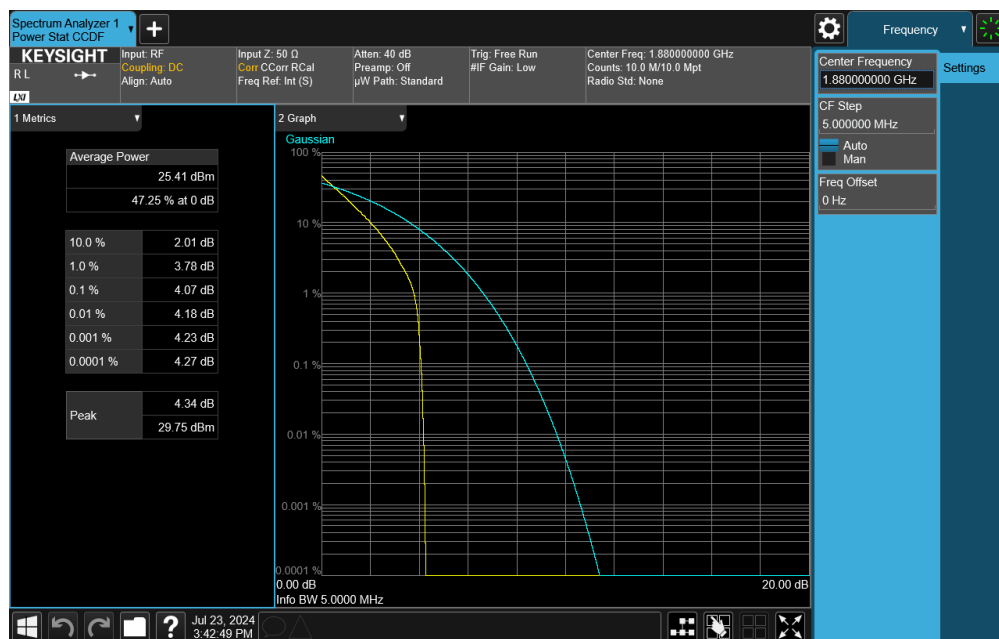
Plot 7-280. PAR Plot (NR Band n25 - 40MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA3267	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device
		Page 162 of 219

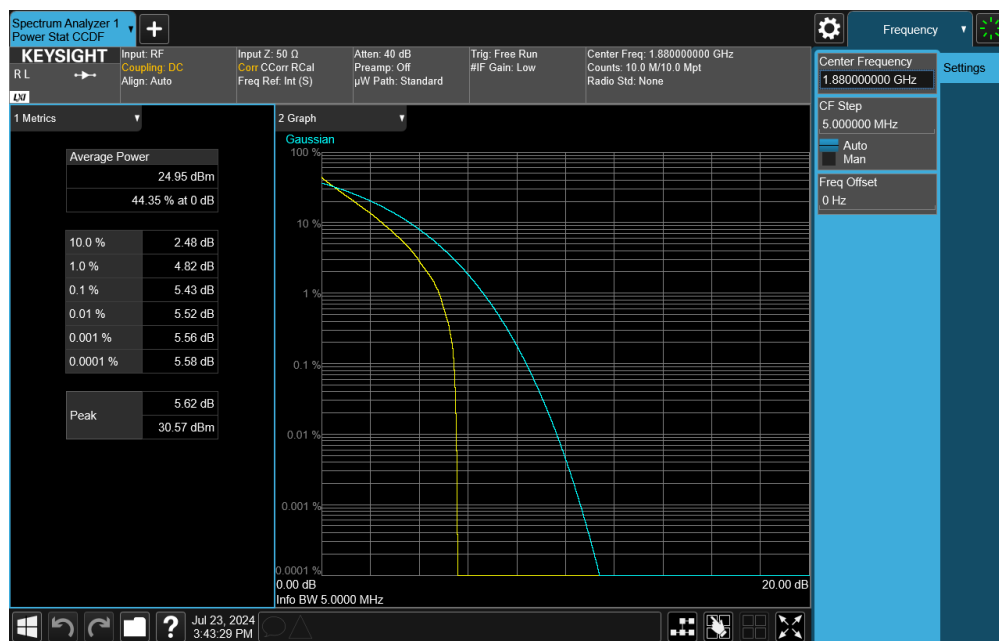
V2.2 09/07/2023

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NR Band n2



Plot 7-281. PAR Plot (NR Band n2 - 5MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

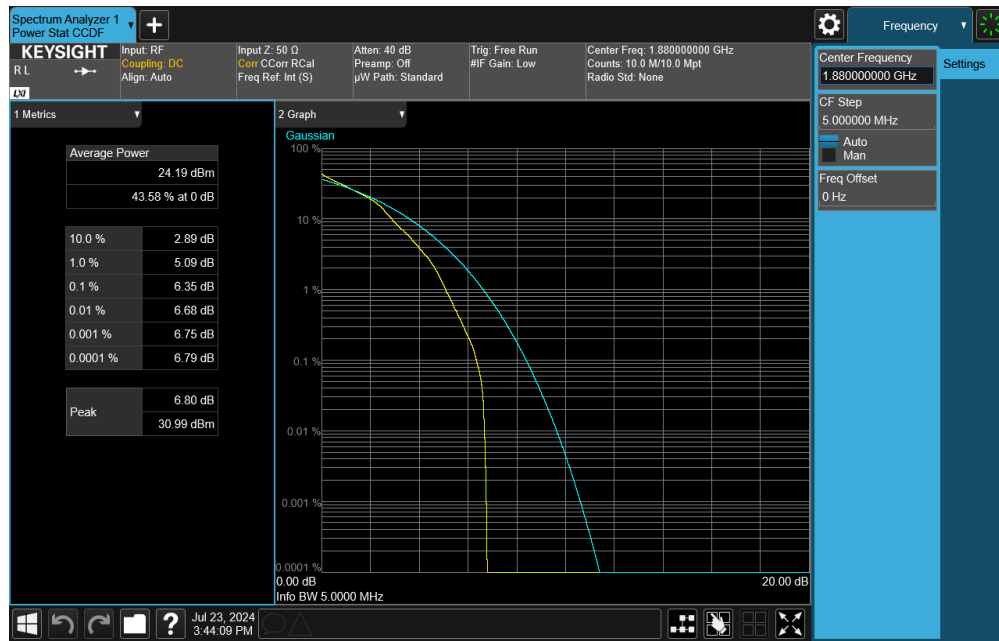


Plot 7-282. PAR Plot (NR Band n2 - 5MHz DFT-s-OFDM QPSK - Full RB)

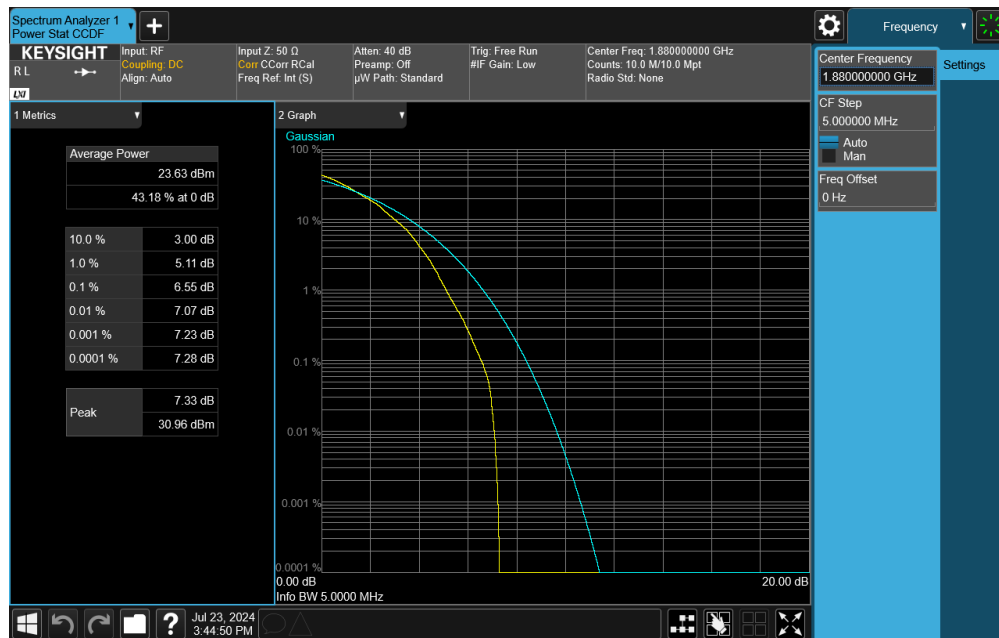
FCC ID: BCGA3267	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device
		Page 163 of 219

V2.2 09/07/2023

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Plot 7-283. PAR Plot (NR Band n2 - 5MHz DFT-s-OFDM 16-QAM - Full RB)

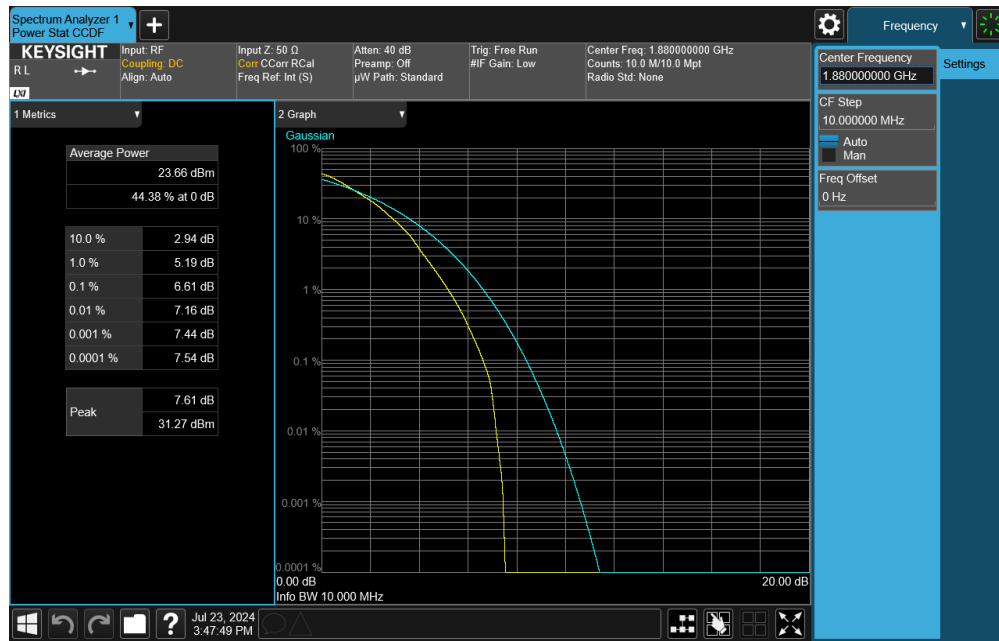


Plot 7-284. PAR Plot (NR Band n2 - 5MHz DFT-s-OFDM 64-QAM - Full RB)

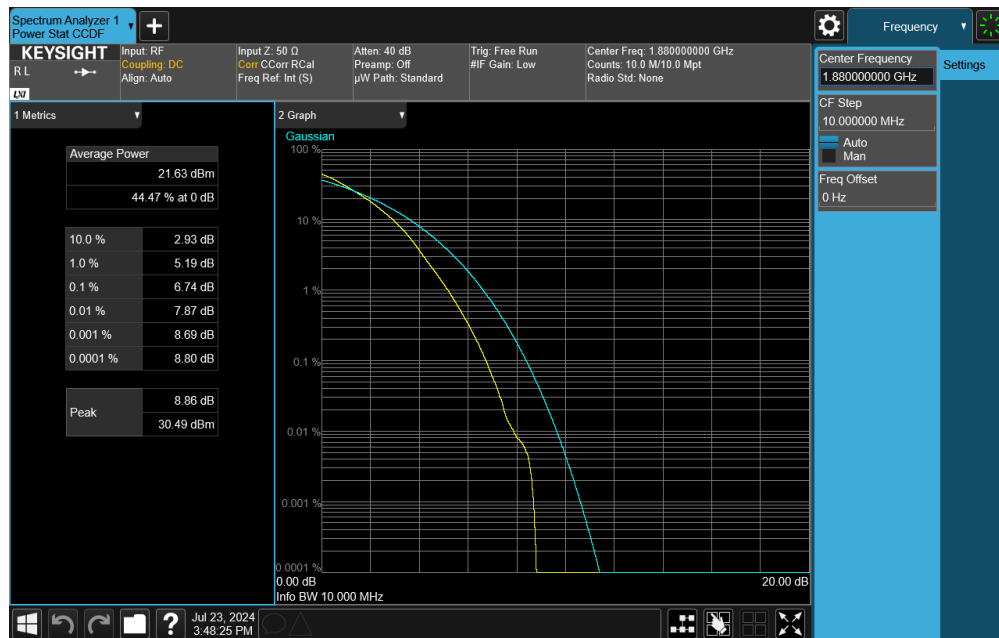
FCC ID: BCGA3267	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device
		Page 164 of 219

V2.2 09/07/2023

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Plot 7-289. PAR Plot (NR Band n2 - 10MHz DFT-s-OFDM 64-QAM - Full RB)

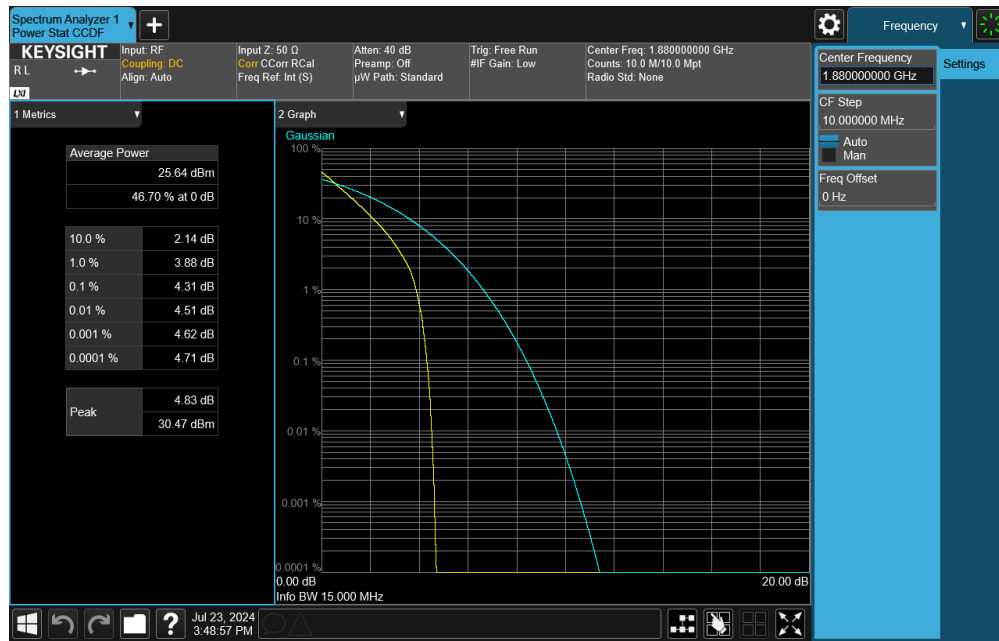


Plot 7-290. PAR Plot (NR Band n2 - 10MHz DFT-s-OFDM 256-QAM - Full RB)

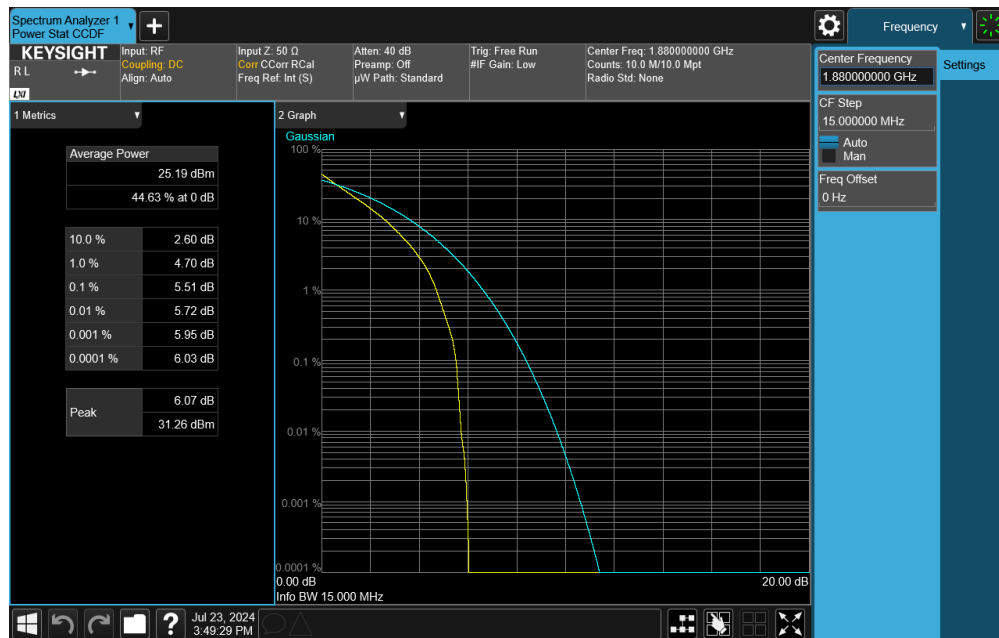
FCC ID: BCGA3267	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device
		Page 167 of 219

V2.2 09/07/2023

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Plot 7-291. PAR Plot (NR Band n2 - 15MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

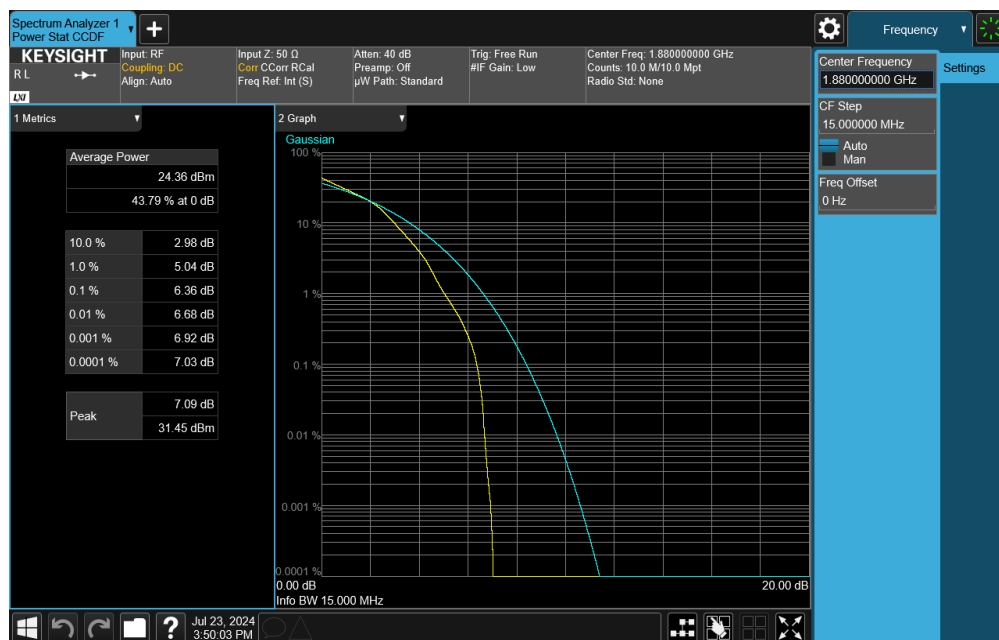


Plot 7-292. PAR Plot (NR Band n2 - 15MHz DFT-s-OFDM QPSK - Full RB)

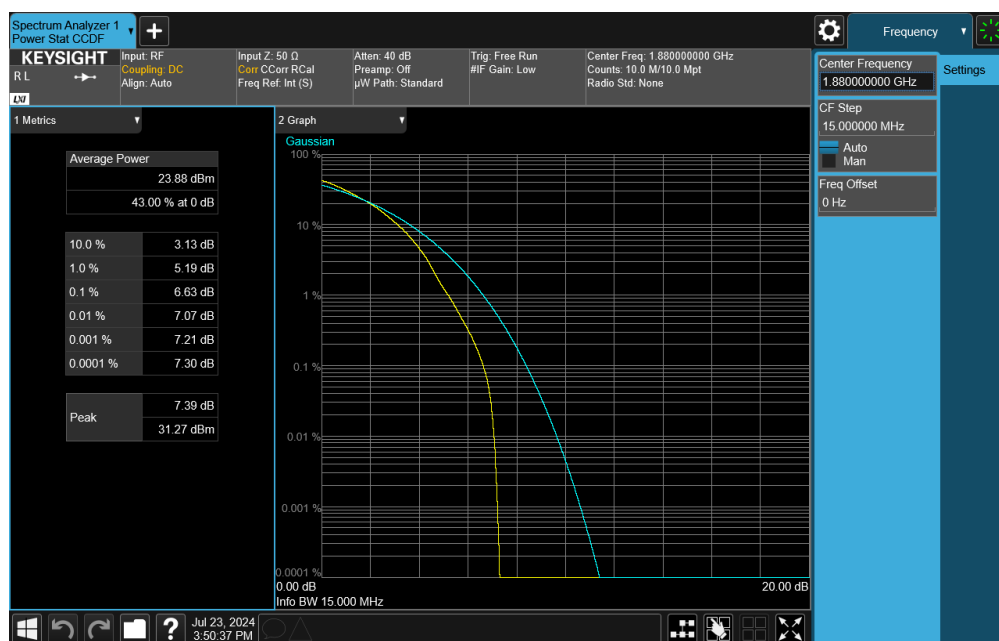
FCC ID: BCGA3267	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device
		Page 168 of 219

V2.2 09/07/2023

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Plot 7-293. PAR Plot (NR Band n2 - 15MHz DFT-s-OFDM 16-QAM - Full RB)

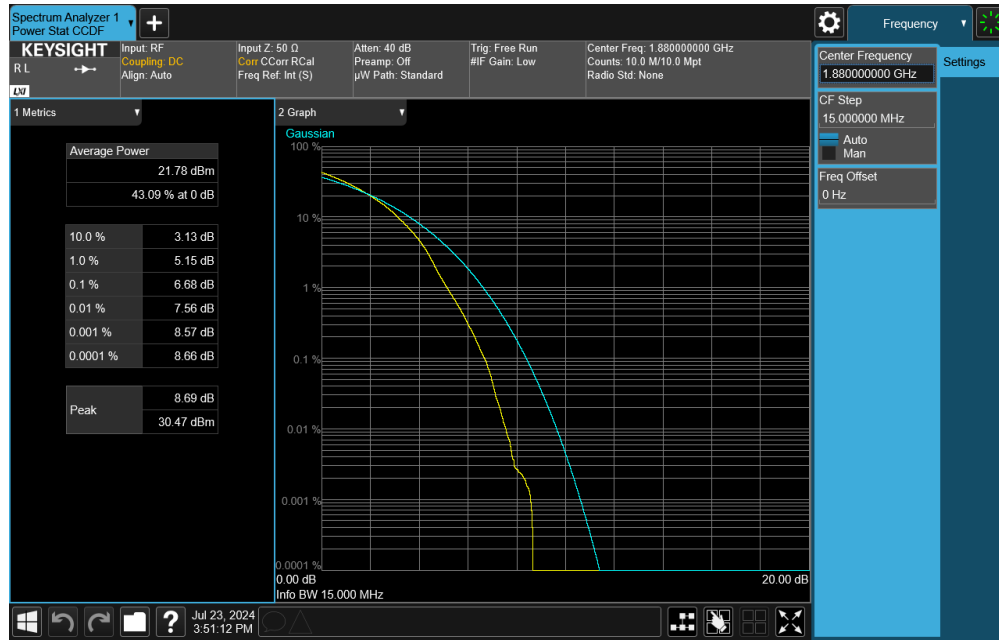


Plot 7-294. PAR Plot (NR Band n2 - 15MHz DFT-s-OFDM 64-QAM - Full RB)

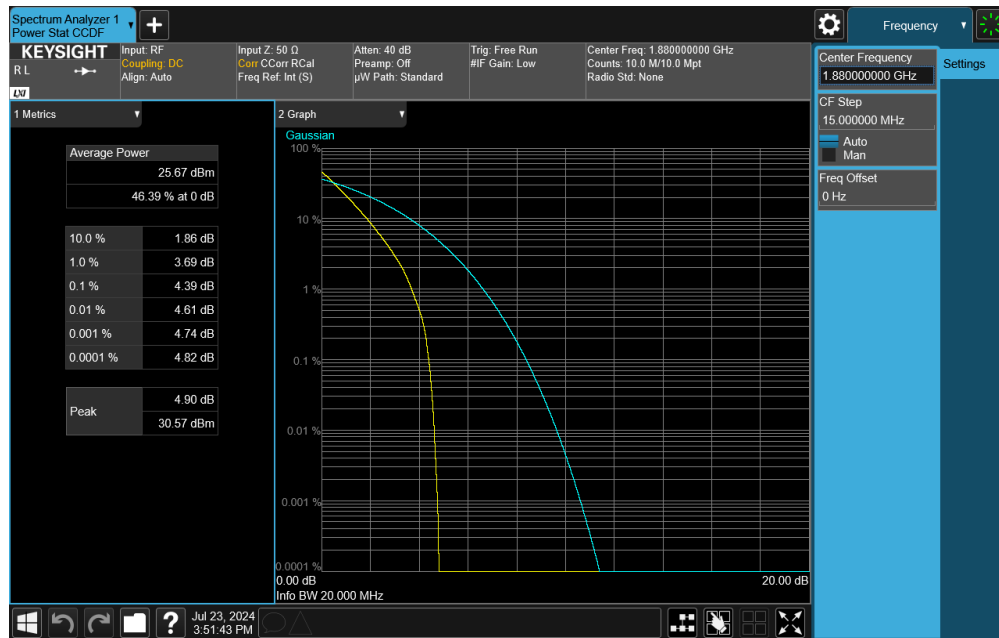
FCC ID: BCGA3267	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device
		Page 169 of 219

V2.2 09/07/2023

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Plot 7-295. PAR Plot (NR Band n2 - 15MHz DFT-s-OFDM 256-QAM - Full RB)

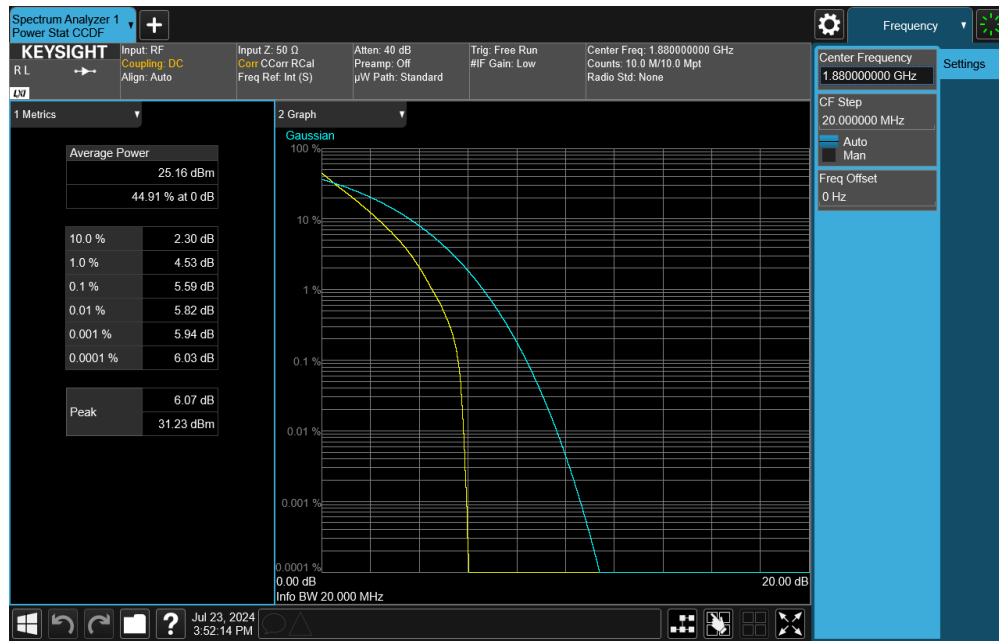


Plot 7-296. PAR Plot (NR Band n2 - 20MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

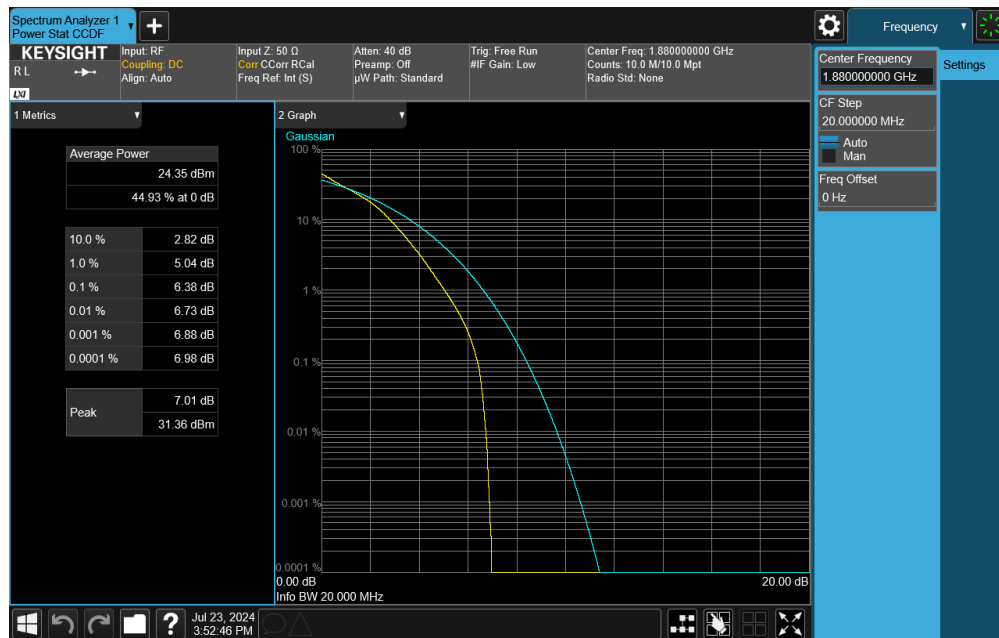
FCC ID: BCGA3267	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device
		Page 170 of 219

V2.2 09/07/2023

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Plot 7-297. PAR Plot (NR Band n2 - 20MHz DFT-s-OFDM QPSK - Full RB)

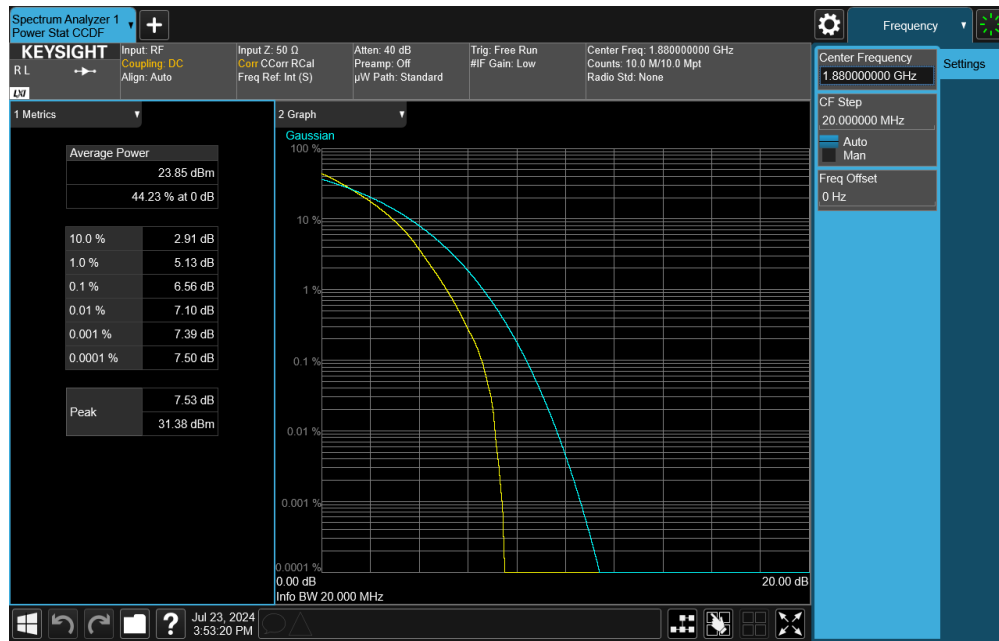


Plot 7-298. PAR Plot (NR Band n2 - 20MHz DFT-s-OFDM 16-QAM - Full RB)

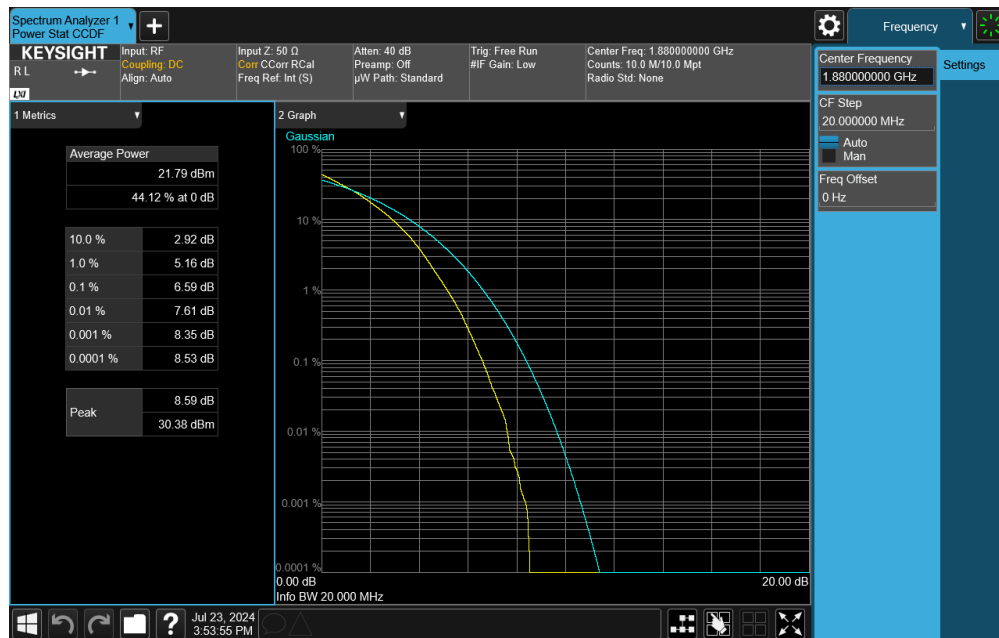
FCC ID: BCGA3267	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device
		Page 171 of 219

V2.2 09/07/2023

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Plot 7-299. PAR Plot (NR Band n2 - 20MHz DFT-s-OFDM 64-QAM - Full RB)



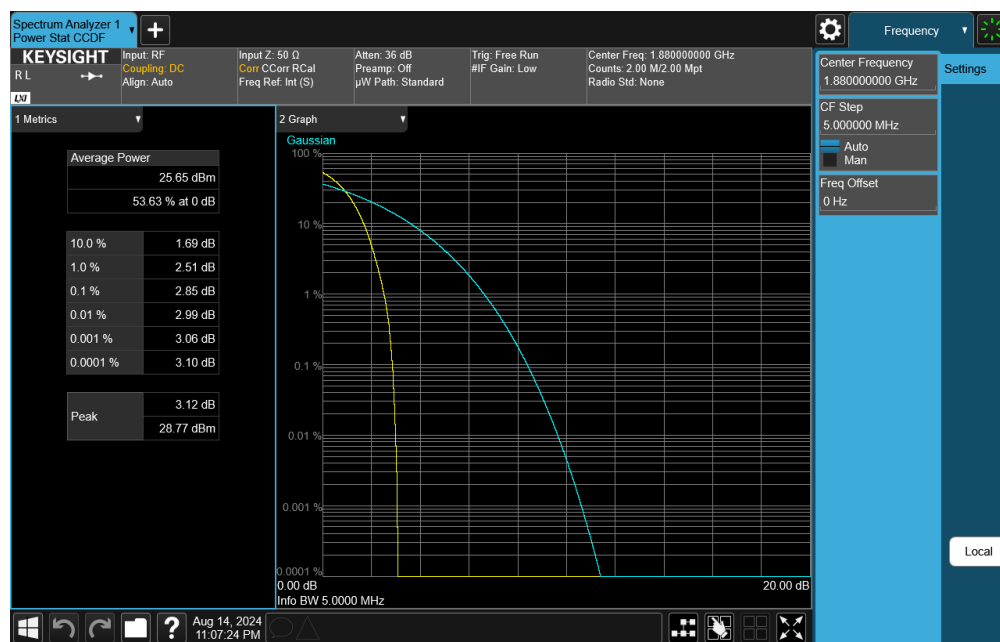
Plot 7-300. PAR Plot (NR Band n2 - 20MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA3267	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device
		Page 172 of 219

V2.2 09/07/2023

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WCDMA PCS



Plot 7-301. PAR Plot (WCDMA, Ch. 9400)

FCC ID: BCGA3267	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device
		Page 173 of 219

V2.2 09/07/2023

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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:

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

Where:

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

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

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

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

Test Setup

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

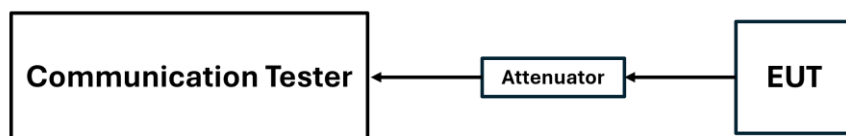


Figure 7-9. LTE Test Instrument & Measurement Setup

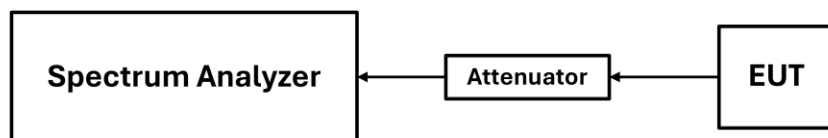


Figure 7-10. FR1 Test Instrument & Measurement Setup

FCC ID: BCGA3267		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 174 of 219

V2.2 09/07/2023

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.
5. 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".

FCC ID: BCGA3267		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 175 of 219

V2.2 09/07/2023

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	1.70	1 / 0	25.63	27.33	0.541	33.01	-5.68
		1882.5	1.70	1 / 0	25.54	27.24	0.530	33.01	-5.77
		1914.3	1.70	1 / 5	25.68	27.38	0.547	33.01	-5.63
	16-QAM	1914.3	1.70	1 / 0	24.95	26.65	0.462	33.01	-6.36
	64-QAM	1882.5	1.70	1 / 3	23.77	25.47	0.352	33.01	-7.54
	256-QAM	1914.3	1.70	1 / 0	20.77	22.47	0.177	33.01	-10.54
3 MHz	QPSK	1851.5	1.70	1 / 0	25.61	27.31	0.538	33.01	-5.70
		1882.5	1.70	1 / 0	25.51	27.21	0.526	33.01	-5.80
		1913.5	1.70	1 / 0	25.43	27.13	0.516	33.01	-5.88
	16-QAM	1851.5	1.70	1 / 0	24.93	26.63	0.460	33.01	-6.38
	64-QAM	1913.5	1.70	1 / 0	23.93	25.63	0.366	33.01	-7.38
	256-QAM	1851.5	1.70	1 / 0	20.88	22.58	0.181	33.01	-10.43
5 MHz	QPSK	1852.5	1.70	1 / 0	25.59	27.29	0.536	33.01	-5.72
		1882.5	1.70	1 / 0	25.52	27.22	0.527	33.01	-5.79
		1912.5	1.70	1 / 0	25.70	27.40	0.550	33.01	-5.61
	16-QAM	1882.5	1.70	1 / 0	25.11	26.81	0.480	33.01	-6.20
	64-QAM	1852.5	1.70	1 / 0	23.88	25.58	0.361	33.01	-7.43
	256-QAM	1852.5	1.70	1 / 0	20.78	22.48	0.177	33.01	-10.53
10 MHz	QPSK	1855.0	1.70	1 / 49	25.61	27.31	0.538	33.01	-5.70
		1882.5	1.70	1 / 49	25.44	27.14	0.518	33.01	-5.87
		1910.0	1.70	1 / 49	25.42	27.12	0.515	33.01	-5.89
	16-QAM	1855.0	1.70	1 / 25	24.83	26.53	0.450	33.01	-6.48
	64-QAM	1855.0	1.70	1 / 0	23.83	25.53	0.357	33.01	-7.48
	256-QAM	1910.0	1.70	1 / 0	20.77	22.47	0.177	33.01	-10.54
15 MHz	QPSK	1857.5	1.70	1 / 0	25.37	27.07	0.509	33.01	-5.94
		1882.5	1.70	1 / 0	25.29	26.99	0.500	33.01	-6.02
		1907.5	1.70	1 / 0	25.23	26.93	0.493	33.01	-6.08
	16-QAM	1857.5	1.70	1 / 74	24.83	26.53	0.450	33.01	-6.48
	64-QAM	1882.5	1.70	1 / 0	23.63	25.33	0.341	33.01	-7.68
	256-QAM	1857.5	1.70	1 / 0	20.61	22.31	0.170	33.01	-10.70
	QPSK	1860.0	1.70	1 / 0	25.31	27.01	0.502	33.01	-6.00
		1882.5	1.70	1 / 0	25.29	26.99	0.500	33.01	-6.02
		1905.0	1.70	1 / 0	25.44	27.14	0.518	33.01	-5.87
	16-QAM	1860.0	1.70	1 / 0	25.04	26.74	0.472	33.01	-6.27
	64-QAM	1905.0	1.70	1 / 0	23.71	25.41	0.348	33.01	-7.60
	256-QAM	1860.0	1.70	1 / 99	20.67	22.37	0.173	33.01	-10.64

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

FCC ID: BCGA3267		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 176 of 219

V2.2 09/07/2023

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LTE Band 2

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	1.70	1 / 0	25.63	27.33	0.541	33.01	-5.68
		1880.0	1.70	1 / 0	25.49	27.19	0.524	33.01	-5.82
		1909.3	1.70	1 / 3	25.63	27.33	0.541	33.01	-5.68
	16-QAM	1909.3	1.70	1 / 0	24.69	26.39	0.436	33.01	-6.62
	64-QAM	1850.7	1.70	1 / 3	23.70	25.40	0.347	33.01	-7.61
	256-QAM	1850.7	1.70	1 / 0	20.81	22.51	0.178	33.01	-10.50
3 MHz	QPSK	1851.5	1.70	1 / 14	25.53	27.23	0.528	33.01	-5.78
		1880.0	1.70	1 / 7	25.66	27.36	0.545	33.01	-5.65
		1908.5	1.70	1 / 7	25.67	27.37	0.546	33.01	-5.64
	16-QAM	1908.5	1.70	1 / 7	24.70	26.40	0.437	33.01	-6.61
	64-QAM	1908.5	1.70	1 / 14	23.67	25.37	0.344	33.01	-7.64
	256-QAM	1851.5	1.70	1 / 14	20.78	22.48	0.177	33.01	-10.53
5 MHz	QPSK	1852.5	1.70	1 / 0	25.57	27.27	0.533	33.01	-5.74
		1880.0	1.70	1 / 0	25.65	27.35	0.543	33.01	-5.66
		1907.5	1.70	1 / 0	25.54	27.24	0.530	33.01	-5.77
	16-QAM	1907.5	1.70	1 / 12	24.66	26.36	0.433	33.01	-6.65
	64-QAM	1907.5	1.70	1 / 12	23.64	25.34	0.342	33.01	-7.67
	256-QAM	1852.5	1.70	1 / 0	20.79	22.49	0.177	33.01	-10.52
10 MHz	QPSK	1855.0	1.70	1 / 25	25.52	27.22	0.527	33.01	-5.79
		1880.0	1.70	1 / 25	25.70	27.40	0.550	33.01	-5.61
		1905.0	1.70	1 / 0	25.59	27.29	0.536	33.01	-5.72
	16-QAM	1855.0	1.70	1 / 49	24.66	26.36	0.433	33.01	-6.65
	64-QAM	1855.0	1.70	1 / 49	23.66	25.36	0.344	33.01	-7.65
	256-QAM	1855.0	1.70	1 / 25	20.77	22.47	0.177	33.01	-10.54
15 MHz	QPSK	1857.5	1.70	1 / 0	25.68	27.38	0.547	33.01	-5.63
		1880.0	1.70	1 / 74	25.66	27.36	0.545	33.01	-5.65
		1902.5	1.70	1 / 0	25.46	27.16	0.520	33.01	-5.85
	16-QAM	1902.5	1.70	1 / 37	24.60	26.30	0.427	33.01	-6.71
	64-QAM	1902.5	1.70	1 / 0	23.56	25.26	0.336	33.01	-7.75
	256-QAM	1857.5	1.70	1 / 0	20.78	22.48	0.177	33.01	-10.53
20 MHz	QPSK	1860.0	1.70	1 / 50	25.65	27.35	0.543	33.01	-5.66
		1880.0	1.70	1 / 50	25.64	27.34	0.542	33.01	-5.67
		1900.0	1.70	1 / 99	25.64	27.34	0.542	33.01	-5.67
	16-QAM	1900.0	1.70	1 / 99	24.57	26.27	0.424	33.01	-6.74
	64-QAM	1880.0	1.70	1 / 99	23.70	25.40	0.347	33.01	-7.61
	256-QAM	1900.0	1.70	1 / 50	20.78	22.48	0.177	33.01	-10.53

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

FCC ID: BCGA3267		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 177 of 219

V2.2 09/07/2023

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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	1.70	1 / 12	25.65	27.35	0.543	33.01	-5.66
		1882.5	1.70	1 / 1	25.70	27.40	0.550	33.01	-5.61
		1912.5	1.70	1 / 1	25.69	27.39	0.548	33.01	-5.62
	QPSK	1852.5	1.70	1 / 23	25.60	27.30	0.537	33.01	-5.71
		1882.5	1.70	1 / 1	25.51	27.21	0.526	33.01	-5.80
		1912.5	1.70	1 / 23	25.70	27.40	0.550	33.01	-5.61
	16-QAM	1852.5	1.70	1 / 23	24.74	26.44	0.441	33.01	-6.57
	64-QAM	1912.5	1.70	1 / 1	23.64	25.34	0.342	33.01	-7.67
10 MHz	$\pi/2$ BPSK	1852.5	1.70	1 / 23	20.75	22.45	0.176	33.01	-10.56
		1882.5	1.70	1 / 1	25.69	27.39	0.548	33.01	-5.62
		1910.0	1.70	1 / 50	25.57	27.27	0.533	33.01	-5.74
	QPSK	1855.0	1.70	1 / 50	25.62	27.32	0.540	33.01	-5.69
		1882.5	1.70	1 / 1	25.48	27.18	0.522	33.01	-5.83
		1910.0	1.70	1 / 1	25.51	27.21	0.526	33.01	-5.80
	16-QAM	1882.5	1.70	1 / 1	24.67	26.37	0.434	33.01	-6.64
	64-QAM	1855.0	1.70	1 / 1	23.69	25.39	0.346	33.01	-7.62
15 MHz	$\pi/2$ BPSK	1882.5	1.70	1 / 1	20.79	22.49	0.177	33.01	-10.52
		1857.5	1.70	1 / 36	25.64	27.34	0.542	33.01	-5.67
		1882.5	1.70	1 / 36	25.59	27.29	0.536	33.01	-5.72
	QPSK	1907.5	1.70	1 / 77	25.70	27.40	0.550	33.01	-5.61
		1857.5	1.70	1 / 36	25.50	27.20	0.525	33.01	-5.81
		1882.5	1.70	1 / 77	25.52	27.22	0.527	33.01	-5.79
	16-QAM	1907.5	1.70	1 / 36	25.64	27.34	0.542	33.01	-5.67
	64-QAM	1857.5	1.70	1 / 77	24.73	26.43	0.440	33.01	-6.58
20 MHz	$\pi/2$ BPSK	1882.5	1.70	1 / 36	23.68	25.38	0.345	33.01	-7.63
		1857.5	1.70	1 / 36	20.81	22.51	0.178	33.01	-10.50
		1860.0	1.70	1 / 50	25.62	27.32	0.540	33.01	-5.69
	QPSK	1882.5	1.70	1 / 50	25.70	27.40	0.550	33.01	-5.61
		1905.0	1.70	1 / 50	25.63	27.33	0.541	33.01	-5.68
		1860.0	1.70	1 / 1	25.68	27.38	0.547	33.01	-5.63
	16-QAM	1882.5	1.70	1 / 50	25.66	27.36	0.545	33.01	-5.65
	64-QAM	1905.0	1.70	1 / 1	25.52	27.22	0.527	33.01	-5.79
25 MHz	$\pi/2$ BPSK	1905.0	1.70	1 / 104	24.55	26.25	0.422	33.01	-6.76
		1860.0	1.70	1 / 50	23.75	25.45	0.351	33.01	-7.56
		1882.5	1.70	1 / 50	20.83	22.53	0.179	33.01	-10.48
	QPSK	1862.5	1.70	1 / 64	25.69	27.39	0.548	33.01	-5.62
		1882.5	1.70	1 / 64	25.70	27.40	0.550	33.01	-5.61
		1902.5	1.70	1 / 1	25.65	27.35	0.543	33.01	-5.66
	16-QAM	1862.5	1.70	1 / 64	25.48	27.18	0.522	33.01	-5.83
	64-QAM	1902.5	1.70	1 / 64	25.55	27.25	0.531	33.01	-5.76
30 MHz	$\pi/2$ BPSK	1882.5	1.70	1 / 131	24.66	26.36	0.433	33.01	-6.65
		1862.5	1.70	1 / 131	23.72	25.42	0.348	33.01	-7.59
		1882.5	1.70	1 / 131	20.70	22.40	0.174	33.01	-10.61
	QPSK	1865.0	1.70	1 / 80	25.62	27.32	0.540	33.01	-5.69
		1882.5	1.70	1 / 80	25.67	27.37	0.546	33.01	-5.64
		1900.0	1.70	1 / 1	25.68	27.38	0.547	33.01	-5.63
	16-QAM	1865.0	1.70	1 / 158	25.68	27.38	0.547	33.01	-5.63
	64-QAM	1882.5	1.70	1 / 158	25.59	27.29	0.536	33.01	-5.72
35 MHz	$\pi/2$ BPSK	1900.0	1.70	1 / 1	25.70	27.40	0.550	33.01	-5.61
		1870.0	1.70	1 / 1	25.61	27.31	0.538	33.01	-5.70
		1882.5	1.70	1 / 108	25.56	27.26	0.532	33.01	-5.75
	QPSK	1895.0	1.70	1 / 108	25.64	27.34	0.542	33.01	-5.67
		1870.0	1.70	1 / 108	24.69	26.39	0.436	33.01	-6.62
		1895.0	1.70	1 / 108	23.59	25.29	0.338	33.01	-7.72
	16-QAM	1870.0	1.70	1 / 1	20.84	22.54	0.179	33.01	-10.47
	64-QAM	1895.0	1.70	1 / 214	23.68	25.38	0.345	33.01	-7.63
40 MHz	$\pi/2$ BPSK	1895.0	1.70	1 / 214	20.76	22.46	0.176	33.01	-10.55
		1870.0	1.70	1 / 214	20.76	22.46	0.176	33.01	-10.55
		1882.5	1.70	1 / 214	20.76	22.46	0.176	33.01	-10.55
	QPSK	1870.0	1.70	1 / 214	20.76	22.46	0.176	33.01	-10.55
		1882.5	1.70	1 / 214	20.76	22.46	0.176	33.01	-10.55
		1895.0	1.70	1 / 214	20.76	22.46	0.176	33.01	-10.55
	16-QAM	1870.0	1.70	1 / 214	20.76	22.46	0.176	33.01	-10.55
	64-QAM	1895.0	1.70	1 / 214	20.76	22.46	0.176	33.01	-10.55

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

FCC ID: BCGA3267		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 178 of 219

V2.2 09/07/2023

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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	1.70	1 / 12	25.52	27.22	0.527	33.01	-5.79
		1880.0	1.70	1 / 23	25.58	27.28	0.535	33.01	-5.73
		1907.5	1.70	1 / 12	25.65	27.35	0.543	33.01	-5.66
	QPSK	1852.5	1.70	1 / 12	25.70	27.40	0.550	33.01	-5.61
		1880.0	1.70	1 / 12	25.53	27.23	0.528	33.01	-5.78
		1907.5	1.70	1 / 1	25.64	27.34	0.542	33.01	-5.67
	16-QAM	1852.5	1.70	1 / 12	24.71	26.41	0.438	33.01	-6.60
	64-QAM	1852.5	1.70	1 / 23	23.71	25.41	0.348	33.01	-7.60
	256-QAM	1907.5	1.70	1 / 1	20.77	22.47	0.177	33.01	-10.54
10 MHz	$\pi/2$ BPSK	1855.0	1.70	1 / 25	25.62	27.32	0.540	33.01	-5.69
		1880.0	1.70	1 / 50	25.59	27.29	0.536	33.01	-5.72
		1905.0	1.70	1 / 50	25.58	27.28	0.535	33.01	-5.73
	QPSK	1855.0	1.70	1 / 1	25.70	27.40	0.550	33.01	-5.61
		1880.0	1.70	1 / 25	25.64	27.34	0.542	33.01	-5.67
		1905.0	1.70	1 / 1	25.67	27.37	0.546	33.01	-5.64
	16-QAM	1905.0	1.70	1 / 25	24.76	26.46	0.443	33.01	-6.55
	64-QAM	1905.0	1.70	1 / 1	23.71	25.41	0.348	33.01	-7.60
	256-QAM	1880.0	1.70	1 / 50	20.84	22.54	0.179	33.01	-10.47
15 MHz	$\pi/2$ BPSK	1857.5	1.70	1 / 37	25.60	27.30	0.537	33.01	-5.71
		1880.0	1.70	1 / 36	25.70	27.40	0.550	33.01	-5.61
		1902.5	1.70	1 / 36	25.60	27.30	0.537	33.01	-5.71
	QPSK	1857.5	1.70	1 / 1	25.58	27.28	0.535	33.01	-5.73
		1880.0	1.70	1 / 77	25.38	27.08	0.511	33.01	-5.93
		1902.5	1.70	1 / 1	25.69	27.39	0.548	33.01	-5.62
	16-QAM	1880.0	1.70	1 / 1	24.65	26.35	0.432	33.01	-6.66
	64-QAM	1902.5	1.70	1 / 36	23.57	25.27	0.337	33.01	-7.74
	256-QAM	1880.0	1.70	1 / 36	20.80	22.50	0.178	33.01	-10.51
20 MHz	$\pi/2$ BPSK	1860.0	1.70	1 / 1	25.56	27.26	0.532	33.01	-5.75
		1880.0	1.70	1 / 1	25.68	27.38	0.547	33.01	-5.63
		1900.0	1.70	1 / 1	25.63	27.33	0.541	33.01	-5.68
	QPSK	1860.0	1.70	1 / 1	25.69	27.39	0.548	33.01	-5.62
		1880.0	1.70	1 / 50	25.70	27.40	0.550	33.01	-5.61
		1900.0	1.70	1 / 104	25.58	27.28	0.535	33.01	-5.73
	16-QAM	1900.0	1.70	1 / 104	24.68	26.38	0.435	33.01	-6.63
	64-QAM	1860.0	1.70	1 / 1	23.68	25.38	0.345	33.01	-7.63
	256-QAM	1880.0	1.70	1 / 1	20.79	22.49	0.177	33.01	-10.52

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

FCC ID: BCGA3267		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 179 of 219

V2.2 09/07/2023

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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	25.67	1.70	27.37	0.546	33.01	-5.64
1880.00	WCDMA1900	25.64	1.70	27.34	0.542	33.01	-5.67
1907.60	WCDMA1900	25.57	1.70	27.27	0.533	33.01	-5.74

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

FCC ID: BCGA3267	 PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 180 of 219

V2.2 09/07/2023

7.6.2 Antenna 2b – 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	-3.60	1 / 0	24.05	20.45	0.111	33.01	-12.56
		1882.5	-3.60	1 / 3	24.08	20.48	0.112	33.01	-12.53
		1914.3	-3.60	1 / 0	23.99	20.39	0.109	33.01	-12.62
	16-QAM	1914.3	-3.60	1 / 5	23.31	19.71	0.094	33.01	-13.30
	64-QAM	1882.5	-3.60	1 / 0	22.21	18.61	0.073	33.01	-14.40
	256-QAM	1914.3	-3.60	1 / 0	19.22	15.62	0.036	33.01	-17.39
3 MHz	QPSK	1851.5	-3.60	1 / 0	23.81	20.21	0.105	33.01	-12.80
		1882.5	-3.60	1 / 0	24.01	20.41	0.110	33.01	-12.60
		1913.5	-3.60	1 / 0	23.92	20.32	0.108	33.01	-12.69
	16-QAM	1913.5	-3.60	1 / 0	23.48	19.88	0.097	33.01	-13.13
	64-QAM	1913.5	-3.60	1 / 0	22.38	18.78	0.076	33.01	-14.23
	256-QAM	1913.5	-3.60	1 / 0	19.18	15.58	0.036	33.01	-17.43
5 MHz	QPSK	1852.5	-3.60	1 / 0	24.20	20.60	0.115	33.01	-12.41
		1882.5	-3.60	1 / 0	24.14	20.54	0.113	33.01	-12.47
		1912.5	-3.60	1 / 0	23.99	20.39	0.109	33.01	-12.62
	16-QAM	1912.5	-3.60	1 / 0	23.44	19.84	0.096	33.01	-13.17
	64-QAM	1912.5	-3.60	1 / 0	22.19	18.59	0.072	33.01	-14.42
	256-QAM	1852.5	-3.60	1 / 0	19.19	15.59	0.036	33.01	-17.42
10 MHz	QPSK	1855.0	-3.60	1 / 49	23.86	20.26	0.106	33.01	-12.75
		1882.5	-3.60	1 / 0	23.95	20.35	0.108	33.01	-12.66
		1910.0	-3.60	1 / 49	23.88	20.28	0.107	33.01	-12.73
	16-QAM	1910.0	-3.60	1 / 49	23.43	19.83	0.096	33.01	-13.18
	64-QAM	1855.0	-3.60	1 / 0	22.10	18.50	0.071	33.01	-14.51
	256-QAM	1910.0	-3.60	1 / 0	19.28	15.68	0.037	33.01	-17.33
15 MHz	QPSK	1857.5	-3.60	1 / 0	23.79	20.19	0.104	33.01	-12.82
		1882.5	-3.60	1 / 74	23.91	20.31	0.107	33.01	-12.70
		1907.5	-3.60	1 / 0	23.82	20.22	0.105	33.01	-12.79
	16-QAM	1907.5	-3.60	1 / 0	23.07	19.47	0.089	33.01	-13.54
	64-QAM	1882.5	-3.60	1 / 0	22.04	18.44	0.070	33.01	-14.57
	256-QAM	1907.5	-3.60	1 / 0	19.13	15.53	0.036	33.01	-17.48
20 MHz	QPSK	1860.0	-3.60	1 / 0	23.81	20.21	0.105	33.01	-12.80
		1882.5	-3.60	1 / 0	23.82	20.22	0.105	33.01	-12.79
		1905.0	-3.60	1 / 0	23.71	20.11	0.103	33.01	-12.90
	16-QAM	1860.0	-3.60	1 / 0	23.35	19.75	0.094	33.01	-13.26
	64-QAM	1882.5	-3.60	1 / 0	22.23	18.63	0.073	33.01	-14.38
	256-QAM	1905.0	-3.60	1 / 99	19.02	15.42	0.035	33.01	-17.59

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

FCC ID: BCGA3267	 PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 181 of 219

V2.2 09/07/2023

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LTE Band 2

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	-3.60	1 / 0	24.09	20.49	0.112	33.01	-12.52
		1880.0	-3.60	1 / 0	24.08	20.48	0.112	33.01	-12.53
		1909.3	-3.60	1 / 0	23.86	20.26	0.106	33.01	-12.75
	16-QAM	1880.0	-3.60	1 / 0	23.38	19.78	0.095	33.01	-13.23
	64-QAM	1850.7	-3.60	1 / 0	22.18	18.58	0.072	33.01	-14.43
	256-QAM	1850.7	-3.60	1 / 0	19.10	15.50	0.035	33.01	-17.51
3 MHz	QPSK	1851.5	-3.60	1 / 0	23.81	20.21	0.105	33.01	-12.80
		1880.0	-3.60	1 / 0	24.05	20.45	0.111	33.01	-12.56
		1908.5	-3.60	1 / 0	23.81	20.21	0.105	33.01	-12.80
	16-QAM	1880.0	-3.60	1 / 0	23.41	19.81	0.096	33.01	-13.20
	64-QAM	1851.5	-3.60	1 / 0	22.19	18.59	0.072	33.01	-14.42
	256-QAM	1880.0	-3.60	1 / 0	19.20	15.60	0.036	33.01	-17.41
5 MHz	QPSK	1852.5	-3.60	1 / 0	24.05	20.45	0.111	33.01	-12.56
		1880.0	-3.60	1 / 0	24.12	20.52	0.113	33.01	-12.49
		1907.5	-3.60	1 / 0	23.91	20.31	0.107	33.01	-12.70
	16-QAM	1880.0	-3.60	1 / 0	23.48	19.88	0.097	33.01	-13.13
	64-QAM	1880.0	-3.60	1 / 0	22.35	18.75	0.075	33.01	-14.26
	256-QAM	1852.5	-3.60	1 / 0	19.16	15.56	0.036	33.01	-17.45
10 MHz	QPSK	1855.0	-3.60	1 / 49	23.88	20.28	0.107	33.01	-12.73
		1880.0	-3.60	1 / 0	24.00	20.40	0.110	33.01	-12.61
		1905.0	-3.60	1 / 25	23.81	20.21	0.105	33.01	-12.80
	16-QAM	1905.0	-3.60	1 / 25	23.45	19.85	0.097	33.01	-13.16
	64-QAM	1855.0	-3.60	1 / 0	22.22	18.62	0.073	33.01	-14.39
	256-QAM	1880.0	-3.60	1 / 49	19.10	15.50	0.035	33.01	-17.51
15 MHz	QPSK	1857.5	-3.60	1 / 0	23.81	20.21	0.105	33.01	-12.80
		1880.0	-3.60	1 / 0	23.88	20.28	0.107	33.01	-12.73
		1902.5	-3.60	1 / 37	23.76	20.16	0.104	33.01	-12.85
	16-QAM	1902.5	-3.60	1 / 0	23.27	19.67	0.093	33.01	-13.34
	64-QAM	1857.5	-3.60	1 / 74	22.06	18.46	0.070	33.01	-14.55
	256-QAM	1880.0	-3.60	1 / 0	19.03	15.43	0.035	33.01	-17.58
20 MHz	QPSK	1860.0	-3.60	1 / 0	23.76	20.16	0.104	33.01	-12.85
		1880.0	-3.60	1 / 0	23.74	20.14	0.103	33.01	-12.87
		1900.0	-3.60	1 / 0	23.85	20.25	0.106	33.01	-12.76
	16-QAM	1880.0	-3.60	1 / 0	23.46	19.86	0.097	33.01	-13.15
	64-QAM	1900.0	-3.60	1 / 0	22.24	18.64	0.073	33.01	-14.37
	256-QAM	1860.0	-3.60	1 / 0	19.00	15.40	0.035	33.01	-17.61

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

FCC ID: BCGA3267		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 182 of 219

V2.2 09/07/2023

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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	-3.60	1 / 12	24.04	20.44	0.111	33.01	-12.57
		1882.5	-3.60	1 / 23	23.91	20.31	0.107	33.01	-12.70
		1912.5	-3.60	1 / 1	24.20	20.60	0.115	33.01	-12.41
	QPSK	1852.5	-3.60	1 / 12	24.03	20.43	0.110	33.01	-12.58
		1882.5	-3.60	1 / 12	24.17	20.57	0.114	33.01	-12.44
		1912.5	-3.60	1 / 1	23.99	20.39	0.109	33.01	-12.62
	16-QAM	1912.5	-3.60	1 / 1	23.18	19.58	0.091	33.01	-13.43
	64-QAM	1912.5	-3.60	1 / 12	22.21	18.61	0.073	33.01	-14.40
10 MHz	π/2 BPSK	1882.5	-3.60	1 / 23	19.31	15.71	0.037	33.01	-17.30
		1855.0	-3.60	1 / 1	24.18	20.58	0.114	33.01	-12.43
		1882.5	-3.60	1 / 1	24.07	20.47	0.111	33.01	-12.54
	QPSK	1910.0	-3.60	1 / 1	24.20	20.60	0.115	33.01	-12.41
		1855.0	-3.60	1 / 50	24.13	20.53	0.113	33.01	-12.48
		1882.5	-3.60	1 / 1	24.09	20.49	0.112	33.01	-12.52
	16-QAM	1910.0	-3.60	1 / 25	24.18	20.58	0.114	33.01	-12.43
	64-QAM	1855.0	-3.60	1 / 25	23.21	19.61	0.091	33.01	-13.40
256-QAM	1882.5	-3.60	1 / 50	22.16	18.56	0.072	33.01	-14.45	
		1910.0	-3.60	1 / 50	19.30	15.70	0.037	33.01	-17.31
15 MHz	π/2 BPSK	1857.5	-3.60	1 / 77	24.17	20.57	0.114	33.01	-12.44
		1882.5	-3.60	1 / 1	24.02	20.42	0.110	33.01	-12.59
		1907.5	-3.60	1 / 36	24.20	20.60	0.115	33.01	-12.41
	QPSK	1857.5	-3.60	1 / 36	24.17	20.57	0.114	33.01	-12.44
		1882.5	-3.60	1 / 36	24.19	20.59	0.115	33.01	-12.42
		1907.5	-3.60	1 / 77	24.16	20.56	0.114	33.01	-12.45
	16-QAM	1907.5	-3.60	1 / 1	23.18	19.58	0.091	33.01	-13.43
	64-QAM	1907.5	-3.60	1 / 77	22.13	18.53	0.071	33.01	-14.48
256-QAM	1857.5	-3.60	1 / 77	19.11	15.51	0.036	33.01	-17.50	
20 MHz	π/2 BPSK	1860.0	-3.60	1 / 50	24.12	20.52	0.113	33.01	-12.49
		1882.5	-3.60	1 / 50	24.14	20.54	0.113	33.01	-12.47
		1905.0	-3.60	1 / 104	24.19	20.59	0.115	33.01	-12.42
	QPSK	1860.0	-3.60	1 / 50	24.02	20.42	0.110	33.01	-12.59
		1882.5	-3.60	1 / 1	24.04	20.44	0.111	33.01	-12.57
		1905.0	-3.60	1 / 104	24.20	20.60	0.115	33.01	-12.41
	16-QAM	1882.5	-3.60	1 / 104	23.20	19.60	0.091	33.01	-13.41
	64-QAM	1882.5	-3.60	1 / 104	22.19	18.59	0.072	33.01	-14.42
256-QAM	1860.0	-3.60	1 / 104	19.33	15.73	0.037	33.01	-17.28	
25 MHz	π/2 BPSK	1862.5	-3.60	1 / 131	24.16	20.56	0.114	33.01	-12.45
		1882.5	-3.60	1 / 131	24.07	20.47	0.111	33.01	-12.54
		1902.5	-3.60	1 / 64	24.01	20.41	0.110	33.01	-12.60
	QPSK	1862.5	-3.60	1 / 64	24.20	20.60	0.115	33.01	-12.41
		1882.5	-3.60	1 / 1	24.17	20.57	0.114	33.01	-12.44
		1902.5	-3.60	1 / 64	24.14	20.54	0.113	33.01	-12.47
	16-QAM	1862.5	-3.60	1 / 64	23.19	19.59	0.091	33.01	-13.42
	64-QAM	1902.5	-3.60	1 / 64	22.21	18.61	0.073	33.01	-14.40
256-QAM	1882.5	-3.60	1 / 64	19.28	15.68	0.037	33.01	-17.33	
30 MHz	π/2 BPSK	1865.0	-3.60	1 / 80	23.89	20.29	0.107	33.01	-12.72
		1882.5	-3.60	1 / 158	24.06	20.46	0.111	33.01	-12.55
		1900.0	-3.60	1 / 158	24.17	20.57	0.114	33.01	-12.44
	QPSK	1865.0	-3.60	1 / 80	24.20	20.60	0.115	33.01	-12.41
		1882.5	-3.60	1 / 1	24.08	20.48	0.112	33.01	-12.53
		1900.0	-3.60	1 / 158	24.12	20.52	0.113	33.01	-12.49
	16-QAM	1865.0	-3.60	1 / 80	23.10	19.50	0.089	33.01	-13.51
	64-QAM	1865.0	-3.60	1 / 1	22.12	18.52	0.071	33.01	-14.49
256-QAM	1865.0	-3.60	1 / 1	19.17	15.57	0.036	33.01	-17.44	
35 MHz	π/2 BPSK	1867.5	-3.60	1 / 1	23.84	20.24	0.106	33.01	-12.77
		1882.5	-3.60	1 / 186	23.96	20.36	0.109	33.01	-12.65
		1897.5	-3.60	1 / 186	24.20	20.60	0.115	33.01	-12.41
	QPSK	1867.5	-3.60	1 / 186	24.11	20.51	0.112	33.01	-12.50
		1882.5	-3.60	1 / 90	24.11	20.51	0.112	33.01	-12.50
		1897.5	-3.60	1 / 186	23.85	20.25	0.106	33.01	-12.76
	16-QAM	1897.5	-3.60	1 / 90	23.07	19.47	0.089	33.01	-13.54
	64-QAM	1882.5	-3.60	1 / 90	22.15	18.55	0.072	33.01	-14.46
256-QAM	1897.5	-3.60	1 / 186	19.26	15.66	0.037	33.01	-17.35	
40 MHz	π/2 BPSK	1870.0	-3.60	1 / 1	23.93	20.33	0.108	33.01	-12.68
		1882.5	-3.60	1 / 214	24.20	20.60	0.115	33.01	-12.41
		1895.0	-3.60	1 / 214	24.14	20.54	0.113	33.01	-12.47
	QPSK	1870.0	-3.60	1 / 1	24.13	20.53	0.113	33.01	-12.48
		1882.5	-3.60	1 / 1	23.73	20.13	0.103	33.01	-12.88
		1895.0	-3.60	1 / 1	24.13	20.53	0.113	33.01	-12.48
	16-QAM	1882.5	-3.60	1 / 108	23.15	19.55	0.090	33.01	-13.46
	64-QAM	1895.0	-3.60	1 / 108	22.05	18.45	0.070	33.01	-14.56
256-QAM	1895.0	-3.60	1 / 214	19.27	15.67	0.037	33.01	-17.34	

Table 7-9. Antenna 2b EIRP Data (NR Band n25)

FCC ID: BCGA3267		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 183 of 219

V2.2 09/07/2023

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	-3.60	1 / 23	24.20	20.60	0.115	33.01	-12.41
		1880.0	-3.60	1 / 12	23.99	20.39	0.109	33.01	-12.62
		1907.5	-3.60	1 / 1	23.89	20.29	0.107	33.01	-12.72
	QPSK	1852.5	-3.60	1 / 23	24.12	20.52	0.113	33.01	-12.49
		1880.0	-3.60	1 / 1	24.14	20.54	0.113	33.01	-12.47
		1907.5	-3.60	1 / 12	24.16	20.56	0.114	33.01	-12.45
	16-QAM	1907.5	-3.60	1 / 1	23.13	19.53	0.090	33.01	-13.48
	64-QAM	1880.0	-3.60	1 / 1	22.18	18.58	0.072	33.01	-14.43
	256-QAM	1852.5	-3.60	1 / 23	19.24	15.64	0.037	33.01	-17.37
10 MHz	$\pi/2$ BPSK	1855.0	-3.60	1 / 50	24.20	20.60	0.115	33.01	-12.41
		1880.0	-3.60	1 / 25	23.99	20.39	0.109	33.01	-12.62
		1905.0	-3.60	1 / 25	24.05	20.45	0.111	33.01	-12.56
	QPSK	1855.0	-3.60	1 / 1	24.16	20.56	0.114	33.01	-12.45
		1880.0	-3.60	1 / 1	24.00	20.40	0.110	33.01	-12.61
		1905.0	-3.60	1 / 50	24.07	20.47	0.111	33.01	-12.54
	16-QAM	1905.0	-3.60	1 / 1	23.21	19.61	0.091	33.01	-13.40
	64-QAM	1905.0	-3.60	1 / 1	22.00	18.40	0.069	33.01	-14.61
	256-QAM	1855.0	-3.60	1 / 1	19.19	15.59	0.036	33.01	-17.42
15 MHz	$\pi/2$ BPSK	1857.5	-3.60	1 / 0	24.06	20.46	0.111	33.01	-12.55
		1880.0	-3.60	1 / 1	24.19	20.59	0.115	33.01	-12.42
		1902.5	-3.60	1 / 77	24.19	20.59	0.115	33.01	-12.42
	QPSK	1857.5	-3.60	1 / 77	24.17	20.57	0.114	33.01	-12.44
		1880.0	-3.60	1 / 36	24.14	20.54	0.113	33.01	-12.47
		1902.5	-3.60	1 / 77	24.20	20.60	0.115	33.01	-12.41
	16-QAM	1857.5	-3.60	1 / 1	23.22	19.62	0.092	33.01	-13.39
	64-QAM	1880.0	-3.60	1 / 77	22.27	18.67	0.074	33.01	-14.34
	256-QAM	1880.0	-3.60	1 / 1	19.38	15.78	0.038	33.01	-17.23
20 MHz	$\pi/2$ BPSK	1860.0	-3.60	1 / 50	24.20	20.60	0.115	33.01	-12.41
		1880.0	-3.60	1 / 50	24.04	20.44	0.111	33.01	-12.57
		1900.0	-3.60	1 / 1	24.17	20.57	0.114	33.01	-12.44
	QPSK	1860.0	-3.60	1 / 1	24.19	20.59	0.115	33.01	-12.42
		1880.0	-3.60	1 / 1	24.12	20.52	0.113	33.01	-12.49
		1900.0	-3.60	1 / 104	23.89	20.29	0.107	33.01	-12.72
	16-QAM	1900.0	-3.60	1 / 1	23.19	19.59	0.091	33.01	-13.42
	64-QAM	1900.0	-3.60	1 / 104	22.12	18.52	0.071	33.01	-14.49
	256-QAM	1880.0	-3.60	1 / 50	19.31	15.71	0.037	33.01	-17.30

Table 7-10. Antenna 2b EIRP Data (NR Band n2)

FCC ID: BCGA3267		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 184 of 219

V2.2 09/07/2023

WCDMA PCS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1852.40	WCDMA1900	24.18	-3.60	20.58	0.114	33.01	-12.43
1880.00	WCDMA1900	24.19	-3.60	20.59	0.115	33.01	-12.42
1907.60	WCDMA1900	24.20	-3.60	20.60	0.115	33.01	-12.41

Table 7-11. Antenna 2b EIRP Data (WCDMA PCS)

FCC ID: BCGA3267	 PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 185 of 219

V2.2 09/07/2023

7.6.3 Antenna 3a – 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	-2.10	1 / 5	24.64	22.54	0.179	33.01	-10.47
		1882.5	-2.10	1 / 0	24.62	22.52	0.179	33.01	-10.49
		1914.3	-2.10	1 / 0	24.43	22.33	0.171	33.01	-10.68
	16-QAM	1882.5	-2.10	1 / 0	23.96	21.86	0.153	33.01	-11.15
	64-QAM	1850.7	-2.10	1 / 0	22.73	20.63	0.116	33.01	-12.38
	256-QAM	1882.5	-2.10	1 / 0	19.71	17.61	0.058	33.01	-15.40
3 MHz	QPSK	1851.5	-2.10	1 / 0	24.43	22.33	0.171	33.01	-10.68
		1882.5	-2.10	1 / 0	24.58	22.48	0.177	33.01	-10.53
		1913.5	-2.10	1 / 0	24.41	22.31	0.170	33.01	-10.70
	16-QAM	1882.5	-2.10	1 / 0	23.94	21.84	0.153	33.01	-11.17
	64-QAM	1882.5	-2.10	1 / 0	22.75	20.65	0.116	33.01	-12.36
	256-QAM	1913.5	-2.10	1 / 0	19.91	17.81	0.060	33.01	-15.20
5 MHz	QPSK	1852.5	-2.10	1 / 0	24.70	22.60	0.182	33.01	-10.41
		1882.5	-2.10	1 / 0	24.70	22.60	0.182	33.01	-10.41
		1912.5	-2.10	1 / 0	24.49	22.39	0.173	33.01	-10.62
	16-QAM	1882.5	-2.10	1 / 0	24.05	21.95	0.157	33.01	-11.06
	64-QAM	1852.5	-2.10	1 / 0	22.71	20.61	0.115	33.01	-12.40
	256-QAM	1852.5	-2.10	1 / 0	19.76	17.66	0.058	33.01	-15.35
10 MHz	QPSK	1855.0	-2.10	1 / 25	24.49	22.39	0.173	33.01	-10.62
		1882.5	-2.10	1 / 0	24.49	22.39	0.173	33.01	-10.62
		1910.0	-2.10	1 / 25	24.34	22.24	0.167	33.01	-10.77
	16-QAM	1910.0	-2.10	1 / 49	23.93	21.83	0.152	33.01	-11.18
	64-QAM	1855.0	-2.10	1 / 0	22.73	20.63	0.116	33.01	-12.38
	256-QAM	1855.0	-2.10	1 / 0	19.72	17.62	0.058	33.01	-15.39
15 MHz	QPSK	1857.5	-2.10	1 / 0	24.42	22.32	0.171	33.01	-10.69
		1882.5	-2.10	1 / 0	24.41	22.31	0.170	33.01	-10.70
		1907.5	-2.10	1 / 0	24.21	22.11	0.163	33.01	-10.90
	16-QAM	1857.5	-2.10	1 / 0	23.73	21.63	0.146	33.01	-11.38
	64-QAM	1882.5	-2.10	1 / 0	22.54	20.44	0.111	33.01	-12.57
	256-QAM	1882.5	-2.10	1 / 0	19.54	17.44	0.055	33.01	-15.57
	QPSK	1860.0	-2.10	1 / 0	24.42	22.32	0.171	33.01	-10.69
		1882.5	-2.10	1 / 0	24.23	22.13	0.163	33.01	-10.88
		1905.0	-2.10	1 / 0	24.38	22.28	0.169	33.01	-10.73
	16-QAM	1905.0	-2.10	1 / 0	24.01	21.91	0.155	33.01	-11.10
	64-QAM	1860.0	-2.10	1 / 0	22.59	20.49	0.112	33.01	-12.52
	256-QAM	1860.0	-2.10	1 / 0	19.57	17.47	0.056	33.01	-15.54

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

FCC ID: BCGA3267		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 186 of 219

V2.2 09/07/2023

LTE Band 2

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	-2.10	1 / 5	24.64	22.54	0.179	33.01	-10.47
		1880.0	-2.10	1 / 0	24.59	22.49	0.177	33.01	-10.52
		1909.3	-2.10	1 / 5	24.33	22.23	0.167	33.01	-10.78
	16-QAM	1880.0	-2.10	1 / 5	23.87	21.77	0.150	33.01	-11.24
	64-QAM	1850.7	-2.10	1 / 3	22.89	20.79	0.120	33.01	-12.22
	256-QAM	1880.0	-2.10	1 / 0	19.81	17.71	0.059	33.01	-15.30
3 MHz	QPSK	1851.5	-2.10	1 / 0	24.43	22.33	0.171	33.01	-10.68
		1880.0	-2.10	1 / 0	24.55	22.45	0.176	33.01	-10.56
		1908.5	-2.10	1 / 0	24.31	22.21	0.166	33.01	-10.80
	16-QAM	1880.0	-2.10	1 / 0	23.87	21.77	0.150	33.01	-11.24
	64-QAM	1851.5	-2.10	1 / 0	22.84	20.74	0.119	33.01	-12.27
	256-QAM	1880.0	-2.10	1 / 0	19.85	17.75	0.060	33.01	-15.26
5 MHz	QPSK	1852.5	-2.10	1 / 0	24.64	22.54	0.179	33.01	-10.47
		1880.0	-2.10	1 / 0	24.70	22.60	0.182	33.01	-10.41
		1907.5	-2.10	1 / 0	24.31	22.21	0.166	33.01	-10.80
	16-QAM	1880.0	-2.10	1 / 0	24.05	21.95	0.157	33.01	-11.06
	64-QAM	1880.0	-2.10	1 / 0	22.94	20.84	0.121	33.01	-12.17
	256-QAM	1880.0	-2.10	1 / 0	19.66	17.56	0.057	33.01	-15.45
10 MHz	QPSK	1855.0	-2.10	1 / 0	24.44	22.34	0.171	33.01	-10.67
		1880.0	-2.10	1 / 0	24.51	22.41	0.174	33.01	-10.60
		1905.0	-2.10	1 / 25	24.45	22.35	0.172	33.01	-10.66
	16-QAM	1905.0	-2.10	1 / 25	23.85	21.75	0.150	33.01	-11.26
	64-QAM	1855.0	-2.10	1 / 25	22.82	20.72	0.118	33.01	-12.29
	256-QAM	1905.0	-2.10	1 / 0	19.70	17.60	0.058	33.01	-15.41
15 MHz	QPSK	1857.5	-2.10	1 / 0	24.41	22.31	0.170	33.01	-10.70
		1880.0	-2.10	1 / 37	24.41	22.31	0.170	33.01	-10.70
		1902.5	-2.10	1 / 0	25.26	23.16	0.207	33.01	-9.85
	16-QAM	1902.5	-2.10	1 / 0	23.65	21.55	0.143	33.01	-11.46
	64-QAM	1857.5	-2.10	1 / 0	22.59	20.49	0.112	33.01	-12.52
	256-QAM	1880.0	-2.10	1 / 74	19.57	17.47	0.056	33.01	-15.54
20 MHz	QPSK	1860.0	-2.10	1 / 0	24.39	22.29	0.169	33.01	-10.72
		1880.0	-2.10	1 / 0	24.37	22.27	0.169	33.01	-10.74
		1900.0	-2.10	1 / 0	24.37	22.27	0.169	33.01	-10.74
	16-QAM	1880.0	-2.10	1 / 0	23.86	21.76	0.150	33.01	-11.25
	64-QAM	1880.0	-2.10	1 / 0	22.84	20.74	0.119	33.01	-12.27
	256-QAM	1860.0	-2.10	1 / 0	19.57	17.47	0.056	33.01	-15.54

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

FCC ID: BCGA3267		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 187 of 219

V2.2 09/07/2023

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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	-2.10	1 / 12	24.65	22.55	0.180	33.01	-10.46
		1882.5	-2.10	1 / 12	24.66	22.56	0.180	33.01	-10.45
		1912.5	-2.10	1 / 23	24.59	22.49	0.177	33.01	-10.52
	QPSK	1852.5	-2.10	1 / 12	24.53	22.43	0.175	33.01	-10.58
		1882.5	-2.10	1 / 23	24.49	22.39	0.173	33.01	-10.62
		1912.5	-2.10	1 / 1	24.70	22.60	0.182	33.01	-10.41
	16-QAM	1912.5	-2.10	1 / 23	23.73	21.63	0.146	33.01	-11.38
	256-QAM	1882.5	-2.10	1 / 12	22.73	20.63	0.116	33.01	-12.38
10 MHz	π/2 BPSK	1882.5	-2.10	1 / 1	19.81	17.71	0.059	33.01	-15.30
		1855.0	-2.10	1 / 25	24.46	22.36	0.172	33.01	-10.65
		1882.5	-2.10	1 / 25	24.70	22.60	0.182	33.01	-10.41
	QPSK	1910.0	-2.10	1 / 1	24.59	22.49	0.177	33.01	-10.52
		1855.0	-2.10	1 / 50	24.64	22.54	0.179	33.01	-10.47
		1882.5	-2.10	1 / 50	24.68	22.58	0.181	33.01	-10.43
	16-QAM	1910.0	-2.10	1 / 50	24.64	22.54	0.179	33.01	-10.47
	256-QAM	1882.5	-2.10	1 / 50	23.68	21.58	0.144	33.01	-11.43
15 MHz	π/2 BPSK	1882.5	-2.10	1 / 36	22.67	20.57	0.114	33.01	-12.44
		1855.0	-2.10	1 / 25	19.73	17.63	0.058	33.01	-15.38
		1882.5	-2.10	1 / 36	24.48	22.38	0.173	33.01	-10.63
	QPSK	1907.5	-2.10	1 / 1	24.59	22.49	0.177	33.01	-10.52
		1857.5	-2.10	1 / 36	24.69	22.59	0.182	33.01	-10.42
		1882.5	-2.10	1 / 36	24.65	22.55	0.180	33.01	-10.46
	16-QAM	1907.5	-2.10	1 / 1	24.70	22.60	0.182	33.01	-10.41
	256-QAM	1882.5	-2.10	1 / 36	23.55	21.45	0.140	33.01	-11.56
20 MHz	π/2 BPSK	1882.5	-2.10	1 / 36	22.67	20.57	0.114	33.01	-12.44
		1857.5	-2.10	1 / 36	22.67	20.57	0.114	33.01	-12.44
		1882.5	-2.10	1 / 36	19.74	17.64	0.058	33.01	-15.37
	QPSK	1860.0	-2.10	1 / 1	24.65	22.55	0.180	33.01	-10.46
		1882.5	-2.10	1 / 1	24.66	22.56	0.180	33.01	-10.45
		1905.0	-2.10	1 / 1	24.34	22.24	0.167	33.01	-10.77
	16-QAM	1860.0	-2.10	1 / 104	24.70	22.60	0.182	33.01	-10.41
	256-QAM	1882.5	-2.10	1 / 104	24.64	22.54	0.179	33.01	-10.47
25 MHz	π/2 BPSK	1860.0	-2.10	1 / 1	24.64	22.54	0.179	33.01	-10.47
		1882.5	-2.10	1 / 1	24.64	22.54	0.179	33.01	-10.47
		1905.0	-2.10	1 / 50	24.48	22.38	0.173	33.01	-10.63
	QPSK	1860.0	-2.10	1 / 1	23.68	21.58	0.144	33.01	-11.43
		1882.5	-2.10	1 / 104	22.63	20.53	0.113	33.01	-12.48
		1905.0	-2.10	1 / 104	19.80	17.70	0.059	33.01	-15.31
	16-QAM	1860.0	-2.10	1 / 1	24.70	22.60	0.182	33.01	-10.41
	256-QAM	1882.5	-2.10	1 / 1	24.68	22.58	0.181	33.01	-10.43
30 MHz	π/2 BPSK	1882.5	-2.10	1 / 1	24.68	22.58	0.181	33.01	-10.43
		1902.5	-2.10	1 / 64	24.70	22.60	0.182	33.01	-10.41
		1862.5	-2.10	1 / 1	24.53	22.43	0.175	33.01	-10.58
	QPSK	1882.5	-2.10	1 / 1	24.64	22.54	0.179	33.01	-10.47
		1902.5	-2.10	1 / 131	24.57	22.47	0.177	33.01	-10.54
		1862.5	-2.10	1 / 131	23.64	21.54	0.143	33.01	-11.47
	16-QAM	1862.5	-2.10	1 / 131	22.77	20.67	0.117	33.01	-12.34
	256-QAM	1862.5	-2.10	1 / 64	19.81	17.71	0.059	33.01	-15.30
35 MHz	π/2 BPSK	1865.0	-2.10	1 / 1	24.69	22.59	0.182	33.01	-10.42
		1882.5	-2.10	1 / 80	24.68	22.58	0.181	33.01	-10.43
		1900.0	-2.10	1 / 80	24.70	22.60	0.182	33.01	-10.41
	QPSK	1865.0	-2.10	1 / 1	24.67	22.57	0.181	33.01	-10.44
		1882.5	-2.10	1 / 1	24.47	22.37	0.173	33.01	-10.64
		1900.0	-2.10	1 / 158	24.66	22.56	0.180	33.01	-10.45
	16-QAM	1882.5	-2.10	1 / 1	23.69	21.59	0.144	33.01	-11.42
	256-QAM	1900.0	-2.10	1 / 158	22.68	20.58	0.114	33.01	-12.43
40 MHz	π/2 BPSK	1882.5	-2.10	1 / 1	19.78	17.68	0.059	33.01	-15.33
		1867.5	-2.10	1 / 90	24.68	22.58	0.181	33.01	-10.43
		1882.5	-2.10	1 / 1	24.56	22.46	0.176	33.01	-10.55
	QPSK	1897.5	-2.10	1 / 186	24.63	22.53	0.179	33.01	-10.48
		1867.5	-2.10	1 / 90	24.64	22.54	0.179	33.01	-10.47
		1882.5	-2.10	1 / 90	24.60	22.50	0.178	33.01	-10.51
	16-QAM	1897.5	-2.10	1 / 186	24.70	22.60	0.182	33.01	-10.41
	256-QAM	1897.5	-2.10	1 / 1	23.70	21.60	0.145	33.01	-11.41
40 MHz	π/2 BPSK	1897.5	-2.10	1 / 1	22.70	20.60	0.115	33.01	-12.41
		1897.5	-2.10	1 / 1	19.76	17.66	0.058	33.01	-15.35
		1870.0	-2.10	1 / 214	24.54	22.44	0.175	33.01	-10.57
	QPSK	1882.5	-2.10	1 / 214	24.70	22.60	0.182	33.01	-10.41
		1895.0	-2.10	1 / 214	24.63	22.53	0.179	33.01	-10.48
		1870.0	-2.10	1 / 214	24.68	22.58	0.181	33.01	-10.43
	16-QAM	1882.5	-2.10	1 / 1	24.62	22.52	0.179	33.01	-10.49
	256-QAM	1895.0	-2.10	1 / 108	23.68	21.58	0.144	33.01	-11.43
40 MHz	π/2 BPSK	1870.0	-2.10	1 / 214	22.69	20.59	0.115	33.01	-12.42
		1882.5	-2.10	1 / 214	19.71	17.61	0.058	33.01	-15.40
		1870.0	-2.10	1 / 214	24.54	22.44	0.175	33.01	-10.57
	QPSK	1882.5	-2.10	1 / 214	24.70	22.60	0.182	33.01	-10.41
		1895.0	-2.10	1 / 214	24.63	22.53	0.179	33.01	-10.48
		1870.0	-2.10	1 / 214	24.68	22.58	0.181	33.01	-10.43
	16-QAM	1882.5	-2.10	1 / 1	24.62	22.52	0.179	33.01	-10.49
	256-QAM	1895.0	-2.10	1 / 108	23.68	21.58	0.144	33.01	-11.43

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

FCC ID: BCGA3267		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 188 of 219

V2.2 09/07/2023

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	-2.10	1 / 1	24.58	22.48	0.177	33.01	-10.53
		1880.0	-2.10	1 / 1	24.58	22.48	0.177	33.01	-10.53
		1907.5	-2.10	1 / 1	24.70	22.60	0.182	33.01	-10.41
	QPSK	1852.5	-2.10	1 / 23	24.55	22.45	0.176	33.01	-10.56
		1880.0	-2.10	1 / 12	24.61	22.51	0.178	33.01	-10.50
		1907.5	-2.10	1 / 23	24.66	22.56	0.180	33.01	-10.45
	16-QAM	1852.5	-2.10	1 / 1	23.57	21.47	0.140	33.01	-11.54
	64-QAM	1907.5	-2.10	1 / 12	22.73	20.63	0.116	33.01	-12.38
	256-QAM	1880.0	-2.10	1 / 12	19.80	17.70	0.059	33.01	-15.31
10 MHz	$\pi/2$ BPSK	1855.0	-2.10	1 / 50	24.35	22.25	0.168	33.01	-10.76
		1880.0	-2.10	1 / 50	24.38	22.28	0.169	33.01	-10.73
		1905.0	-2.10	1 / 1	24.59	22.49	0.177	33.01	-10.52
	QPSK	1855.0	-2.10	1 / 25	24.70	22.60	0.182	33.01	-10.41
		1880.0	-2.10	1 / 1	24.68	22.58	0.181	33.01	-10.43
		1905.0	-2.10	1 / 25	24.68	22.58	0.181	33.01	-10.43
	16-QAM	1905.0	-2.10	1 / 25	23.70	21.60	0.145	33.01	-11.41
	64-QAM	1905.0	-2.10	1 / 25	22.60	20.50	0.112	33.01	-12.51
	256-QAM	1880.0	-2.10	1 / 50	19.58	17.48	0.056	33.01	-15.53
15 MHz	$\pi/2$ BPSK	1857.5	-2.10	1 / 0	24.70	22.60	0.182	33.01	-10.41
		1880.0	-2.10	1 / 1	24.58	22.48	0.177	33.01	-10.53
		1902.5	-2.10	1 / 77	24.63	22.53	0.179	33.01	-10.48
	QPSK	1857.5	-2.10	1 / 1	24.59	22.49	0.177	33.01	-10.52
		1880.0	-2.10	1 / 36	24.60	22.50	0.178	33.01	-10.51
		1902.5	-2.10	1 / 77	24.69	22.59	0.182	33.01	-10.42
	16-QAM	1880.0	-2.10	1 / 77	23.68	21.58	0.144	33.01	-11.43
	64-QAM	1880.0	-2.10	1 / 77	22.67	20.57	0.114	33.01	-12.44
	256-QAM	1857.5	-2.10	1 / 1	19.73	17.63	0.058	33.01	-15.38
20 MHz	$\pi/2$ BPSK	1860.0	-2.10	1 / 50	24.66	22.56	0.180	33.01	-10.45
		1880.0	-2.10	1 / 104	24.43	22.33	0.171	33.01	-10.68
		1900.0	-2.10	1 / 104	24.70	22.60	0.182	33.01	-10.41
	QPSK	1860.0	-2.10	1 / 50	24.66	22.56	0.180	33.01	-10.45
		1880.0	-2.10	1 / 50	24.65	22.55	0.180	33.01	-10.46
		1900.0	-2.10	1 / 104	24.36	22.26	0.168	33.01	-10.75
	16-QAM	1880.0	-2.10	1 / 1	23.67	21.57	0.144	33.01	-11.44
	64-QAM	1860.0	-2.10	1 / 104	22.56	20.46	0.111	33.01	-12.55
	256-QAM	1880.0	-2.10	1 / 1	19.72	17.62	0.058	33.01	-15.39

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

FCC ID: BCGA3267		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 189 of 219

V2.2 09/07/2023

WCDMA PCS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1852.40	WCDMA1900	24.70	-2.10	22.60	0.182	33.01	-10.41
1880.00	WCDMA1900	24.56	-2.10	22.46	0.176	33.01	-10.55
1907.60	WCDMA1900	24.50	-2.10	22.40	0.174	33.01	-10.61

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

FCC ID: BCGA3267	 PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 190 of 219

V2.2 09/07/2023

7.6.4 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	-1.60	1 / 0	23.55	21.95	0.157	33.01	-11.06
		1882.5	-1.60	1 / 0	23.59	21.99	0.158	33.01	-11.02
		1914.3	-1.60	1 / 0	23.47	21.87	0.154	33.01	-11.14
	16-QAM	1914.3	-1.60	1 / 0	22.84	21.24	0.133	33.01	-11.77
	64-QAM	1882.5	-1.60	1 / 0	21.82	20.22	0.105	33.01	-12.79
	256-QAM	1882.5	-1.60	1 / 0	18.73	17.13	0.052	33.01	-15.88
3 MHz	QPSK	1851.5	-1.60	1 / 0	23.31	21.71	0.148	33.01	-11.30
		1882.5	-1.60	1 / 0	23.56	21.96	0.157	33.01	-11.05
		1913.5	-1.60	1 / 0	23.62	22.02	0.159	33.01	-10.99
	16-QAM	1913.5	-1.60	1 / 0	23.04	21.44	0.139	33.01	-11.57
	64-QAM	1913.5	-1.60	1 / 0	21.67	20.07	0.102	33.01	-12.94
	256-QAM	1882.5	-1.60	1 / 0	18.87	17.27	0.053	33.01	-15.74
5 MHz	QPSK	1852.5	-1.60	1 / 0	23.55	21.95	0.157	33.01	-11.06
		1882.5	-1.60	1 / 0	23.70	22.10	0.162	33.01	-10.91
		1912.5	-1.60	1 / 0	23.50	21.90	0.155	33.01	-11.11
	16-QAM	1882.5	-1.60	1 / 0	22.96	21.36	0.137	33.01	-11.65
	64-QAM	1912.5	-1.60	1 / 0	21.77	20.17	0.104	33.01	-12.84
	256-QAM	1852.5	-1.60	1 / 0	18.82	17.22	0.053	33.01	-15.79
10 MHz	QPSK	1855.0	-1.60	1 / 0	23.43	21.83	0.152	33.01	-11.18
		1882.5	-1.60	1 / 0	23.50	21.90	0.155	33.01	-11.11
		1910.0	-1.60	1 / 25	23.48	21.88	0.154	33.01	-11.13
	16-QAM	1910.0	-1.60	1 / 25	22.95	21.35	0.136	33.01	-11.66
	64-QAM	1882.5	-1.60	1 / 49	21.79	20.19	0.104	33.01	-12.82
	256-QAM	1910.0	-1.60	1 / 0	18.78	17.18	0.052	33.01	-15.83
15 MHz	QPSK	1857.5	-1.60	1 / 0	23.33	21.73	0.149	33.01	-11.28
		1882.5	-1.60	1 / 74	23.36	21.76	0.150	33.01	-11.25
		1907.5	-1.60	1 / 0	23.37	21.77	0.150	33.01	-11.24
	16-QAM	1907.5	-1.60	1 / 0	22.73	21.13	0.130	33.01	-11.88
	64-QAM	1907.5	-1.60	1 / 0	21.51	19.91	0.098	33.01	-13.10
	256-QAM	1907.5	-1.60	1 / 0	18.65	17.05	0.051	33.01	-15.96
20 MHz	QPSK	1860.0	-1.60	1 / 99	23.25	21.65	0.146	33.01	-11.36
		1882.5	-1.60	1 / 0	23.32	21.72	0.149	33.01	-11.29
		1905.0	-1.60	1 / 0	23.49	21.89	0.155	33.01	-11.12
	16-QAM	1905.0	-1.60	1 / 0	23.05	21.45	0.140	33.01	-11.56
	64-QAM	1882.5	-1.60	1 / 99	21.44	19.84	0.096	33.01	-13.17
	256-QAM	1882.5	-1.60	1 / 99	18.62	17.02	0.050	33.01	-15.99

Table 7-17. Antenna 1b EIRP Data (LTE Band 25)

FCC ID: BCGA3267	 PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 191 of 219

V2.2 09/07/2023

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LTE Band 2

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	23.63	22.03	0.160	33.01	-10.98
		1880.0	-1.60	1 / 0	23.66	22.06	0.161	33.01	-10.95
		1909.3	-1.60	1 / 3	23.58	21.98	0.158	33.01	-11.03
	16-QAM	1909.3	-1.60	1 / 5	22.68	21.08	0.128	33.01	-11.93
	64-QAM	1850.7	-1.60	1 / 5	21.70	20.10	0.102	33.01	-12.91
	256-QAM	1880.0	-1.60	1 / 5	18.72	17.12	0.052	33.01	-15.89
3 MHz	QPSK	1851.5	-1.60	1 / 0	23.61	22.01	0.159	33.01	-11.00
		1880.0	-1.60	1 / 7	23.70	22.10	0.162	33.01	-10.91
		1908.5	-1.60	1 / 7	23.61	22.01	0.159	33.01	-11.00
	16-QAM	1908.5	-1.60	1 / 0	22.73	21.13	0.130	33.01	-11.88
	64-QAM	1851.5	-1.60	1 / 0	21.53	19.93	0.098	33.01	-13.08
	256-QAM	1851.5	-1.60	1 / 14	18.78	17.18	0.052	33.01	-15.83
5 MHz	QPSK	1852.5	-1.60	1 / 12	23.62	22.02	0.159	33.01	-10.99
		1880.0	-1.60	1 / 12	23.54	21.94	0.156	33.01	-11.07
		1907.5	-1.60	1 / 12	23.64	22.04	0.160	33.01	-10.97
	16-QAM	1880.0	-1.60	1 / 12	22.73	21.13	0.130	33.01	-11.88
	64-QAM	1880.0	-1.60	1 / 0	21.71	20.11	0.103	33.01	-12.90
	256-QAM	1880.0	-1.60	1 / 0	18.73	17.13	0.052	33.01	-15.88
10 MHz	QPSK	1855.0	-1.60	1 / 25	23.56	21.96	0.157	33.01	-11.05
		1880.0	-1.60	1 / 0	23.62	22.02	0.159	33.01	-10.99
		1905.0	-1.60	1 / 49	23.57	21.97	0.157	33.01	-11.04
	16-QAM	1855.0	-1.60	1 / 0	22.60	21.00	0.126	33.01	-12.01
	64-QAM	1905.0	-1.60	1 / 0	21.72	20.12	0.103	33.01	-12.89
	256-QAM	1880.0	-1.60	1 / 49	18.81	17.21	0.053	33.01	-15.80
15 MHz	QPSK	1857.5	-1.60	1 / 0	23.59	21.99	0.158	33.01	-11.02
		1880.0	-1.60	1 / 0	23.64	22.04	0.160	33.01	-10.97
		1902.5	-1.60	1 / 74	23.66	22.06	0.161	33.01	-10.95
	16-QAM	1857.5	-1.60	1 / 0	22.69	21.09	0.129	33.01	-11.92
	64-QAM	1857.5	-1.60	1 / 74	21.58	19.98	0.100	33.01	-13.03
	256-QAM	1902.5	-1.60	1 / 0	18.80	17.20	0.052	33.01	-15.81
20 MHz	QPSK	1860.0	-1.60	1 / 50	23.60	22.00	0.158	33.01	-11.01
		1880.0	-1.60	1 / 50	23.56	21.96	0.157	33.01	-11.05
		1900.0	-1.60	1 / 99	23.61	22.01	0.159	33.01	-11.00
	16-QAM	1900.0	-1.60	1 / 50	22.74	21.14	0.130	33.01	-11.87
	64-QAM	1880.0	-1.60	1 / 99	21.73	20.13	0.103	33.01	-12.88
	256-QAM	1860.0	-1.60	1 / 0	18.84	17.24	0.053	33.01	-15.77

Table 7-18. Antenna 1b EIRP Data (LTE Band 2)

FCC ID: BCGA3267		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 192 of 219

V2.2 09/07/2023

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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	23.51	21.91	0.155	33.01	-11.10
		1882.5	-1.60	1 / 1	23.68	22.08	0.161	33.01	-10.93
		1912.5	-1.60	1 / 23	23.65	22.05	0.160	33.01	-10.96
	QPSK	1852.5	-1.60	1 / 12	23.45	21.85	0.153	33.01	-11.16
		1882.5	-1.60	1 / 1	23.45	21.85	0.153	33.01	-11.16
		1912.5	-1.60	1 / 12	23.70	22.10	0.162	33.01	-10.91
	16-QAM	1912.5	-1.60	1 / 1	22.71	21.11	0.129	33.01	-11.90
	64-QAM	1852.5	-1.60	1 / 12	21.61	20.01	0.100	33.01	-13.00
10 MHz	$\pi/2$ BPSK	1852.5	-1.60	1 / 1	18.84	17.24	0.053	33.01	-15.77
		1855.0	-1.60	1 / 50	23.25	21.65	0.146	33.01	-11.36
		1882.5	-1.60	1 / 1	23.70	22.10	0.162	33.01	-10.91
	QPSK	1882.5	-1.60	1 / 25	23.47	21.87	0.154	33.01	-11.14
		1855.0	-1.60	1 / 25	23.65	22.05	0.160	33.01	-10.96
		1882.5	-1.60	1 / 50	23.69	22.09	0.162	33.01	-10.92
	16-QAM	1882.5	-1.60	1 / 25	22.70	21.10	0.129	33.01	-11.91
	64-QAM	1882.5	-1.60	1 / 25	21.67	20.07	0.102	33.01	-12.94
15 MHz	$\pi/2$ BPSK	1882.5	-1.60	1 / 1	18.75	17.15	0.052	33.01	-15.86
		1857.5	-1.60	1 / 77	23.67	22.07	0.161	33.01	-10.94
		1882.5	-1.60	1 / 36	23.69	22.09	0.162	33.01	-10.92
	QPSK	1907.5	-1.60	1 / 77	23.46	21.86	0.153	33.01	-11.15
		1857.5	-1.60	1 / 1	23.70	22.10	0.162	33.01	-10.91
		1882.5	-1.60	1 / 1	23.69	22.09	0.162	33.01	-10.92
	16-QAM	1907.5	-1.60	1 / 36	23.70	22.10	0.162	33.01	-10.91
	64-QAM	1882.5	-1.60	1 / 77	22.67	21.07	0.128	33.01	-11.94
20 MHz	$\pi/2$ BPSK	1857.5	-1.60	1 / 36	21.71	20.11	0.103	33.01	-12.90
		1857.5	-1.60	1 / 1	18.76	17.16	0.052	33.01	-15.85
		1907.5	-1.60	1 / 1	18.76	17.16	0.052	33.01	-15.85
	QPSK	1860.0	-1.60	1 / 1	23.62	22.02	0.159	33.01	-10.99
		1882.5	-1.60	1 / 1	23.55	21.95	0.157	33.01	-11.06
		1905.0	-1.60	1 / 1	23.70	22.10	0.162	33.01	-10.91
	16-QAM	1860.0	-1.60	1 / 104	23.50	21.90	0.155	33.01	-11.11
	64-QAM	1882.5	-1.60	1 / 50	23.56	21.96	0.157	33.01	-11.05
25 MHz	$\pi/2$ BPSK	1905.0	-1.60	1 / 104	23.65	22.05	0.160	33.01	-10.96
		1860.0	-1.60	1 / 104	22.54	20.94	0.124	33.01	-12.07
		1860.0	-1.60	1 / 1	21.57	19.97	0.099	33.01	-13.04
	QPSK	1905.0	-1.60	1 / 50	18.71	17.11	0.051	33.01	-15.90
		1862.5	-1.60	1 / 131	23.66	22.06	0.161	33.01	-10.95
		1882.5	-1.60	1 / 131	23.66	22.06	0.161	33.01	-10.95
	16-QAM	1902.5	-1.60	1 / 64	23.62	22.02	0.159	33.01	-10.99
		1862.5	-1.60	1 / 1	23.55	21.95	0.157	33.01	-11.06
30 MHz	$\pi/2$ BPSK	1882.5	-1.60	1 / 64	23.53	21.93	0.156	33.01	-11.08
		1902.5	-1.60	1 / 131	23.70	22.10	0.162	33.01	-10.91
		1862.5	-1.60	1 / 64	22.71	21.11	0.129	33.01	-11.90
	QPSK	1882.5	-1.60	1 / 64	21.74	20.14	0.103	33.01	-12.87
		1882.5	-1.60	1 / 1	18.85	17.25	0.053	33.01	-15.76
		1865.0	-1.60	1 / 1	23.67	22.07	0.161	33.01	-10.94
	16-QAM	1882.5	-1.60	1 / 158	23.70	22.10	0.162	33.01	-10.91
		1900.0	-1.60	1 / 158	23.59	21.99	0.158	33.01	-11.02
35 MHz	$\pi/2$ BPSK	1865.0	-1.60	1 / 1	23.70	22.10	0.162	33.01	-10.91
		1882.5	-1.60	1 / 158	23.53	21.93	0.156	33.01	-11.08
		1900.0	-1.60	1 / 158	23.50	21.90	0.155	33.01	-11.11
	QPSK	1865.0	-1.60	1 / 1	22.51	20.91	0.123	33.01	-12.10
		1882.5	-1.60	1 / 158	21.57	19.97	0.099	33.01	-13.04
		1900.0	-1.60	1 / 158	18.79	17.19	0.052	33.01	-15.82
	16-QAM	1867.5	-1.60	1 / 186	23.50	21.90	0.155	33.01	-11.11
		1882.5	-1.60	1 / 186	23.57	21.97	0.157	33.01	-11.04
40 MHz	$\pi/2$ BPSK	1897.5	-1.60	1 / 186	23.49	21.89	0.155	33.01	-11.12
		1867.5	-1.60	1 / 1	23.64	22.04	0.160	33.01	-10.97
		1882.5	-1.60	1 / 1	23.59	21.99	0.158	33.01	-11.02
	QPSK	1897.5	-1.60	1 / 90	23.70	22.10	0.162	33.01	-10.91
		1882.5	-1.60	1 / 90	22.79	21.19	0.132	33.01	-11.82
		1897.5	-1.60	1 / 186	21.72	20.12	0.103	33.01	-12.89
	16-QAM	1867.5	-1.60	1 / 1	18.80	17.20	0.052	33.01	-15.81
		1870.0	-1.60	1 / 1	23.61	22.01	0.159	33.01	-11.00
40 MHz	$\pi/2$ BPSK	1882.5	-1.60	1 / 214	23.61	22.01	0.159	33.01	-11.00
		1895.0	-1.60	1 / 108	23.49	21.89	0.155	33.01	-11.12
		1870.0	-1.60	1 / 1	23.49	21.89	0.155	33.01	-11.12
	QPSK	1882.5	-1.60	1 / 1	23.40	21.80	0.151	33.01	-11.21
		1895.0	-1.60	1 / 214	23.70	22.10	0.162	33.01	-10.91
		1870.0	-1.60	1 / 1	22.62	21.02	0.126	33.01	-11.99
	64-QAM	1870.0	-1.60	1 / 1	21.64	20.04	0.101	33.01	-12.97
		1870.0	-1.60	1 / 214	18.74	17.14	0.052	33.01	-15.87

Table 7-19. Antenna 1b EIRP Data (NR Band n25)

FCC ID: BCGA3267		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 193 of 219

V2.2 09/07/2023

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 / 1	23.67	22.07	0.161	33.01	-10.94
		1880.0	-1.60	1 / 12	23.66	22.06	0.161	33.01	-10.95
		1907.5	-1.60	1 / 23	23.63	22.03	0.160	33.01	-10.98
	QPSK	1852.5	-1.60	1 / 1	23.68	22.08	0.161	33.01	-10.93
		1880.0	-1.60	1 / 23	23.62	22.02	0.159	33.01	-10.99
		1907.5	-1.60	1 / 23	23.70	22.10	0.162	33.01	-10.91
	16-QAM	1852.5	-1.60	1 / 1	22.71	21.11	0.129	33.01	-11.90
	64-QAM	1852.5	-1.60	1 / 1	21.73	20.13	0.103	33.01	-12.88
	256-QAM	1880.0	-1.60	1 / 12	18.86	17.26	0.053	33.01	-15.75
10 MHz	$\pi/2$ BPSK	1855.0	-1.60	1 / 25	23.57	21.97	0.157	33.01	-11.04
		1880.0	-1.60	1 / 25	23.60	22.00	0.158	33.01	-11.01
		1905.0	-1.60	1 / 25	23.54	21.94	0.156	33.01	-11.07
	QPSK	1855.0	-1.60	1 / 50	23.69	22.09	0.162	33.01	-10.92
		1880.0	-1.60	1 / 1	23.70	22.10	0.162	33.01	-10.91
		1905.0	-1.60	1 / 50	23.70	22.10	0.162	33.01	-10.91
	16-QAM	1880.0	-1.60	1 / 1	22.64	21.04	0.127	33.01	-11.97
	64-QAM	1855.0	-1.60	1 / 50	21.65	20.05	0.101	33.01	-12.96
	256-QAM	1855.0	-1.60	1 / 50	18.80	17.20	0.052	33.01	-15.81
15 MHz	$\pi/2$ BPSK	1857.5	-1.60	1 / 73	23.52	21.92	0.156	33.01	-11.09
		1880.0	-1.60	1 / 1	23.54	21.94	0.156	33.01	-11.07
		1902.5	-1.60	1 / 36	23.52	21.92	0.156	33.01	-11.09
	QPSK	1857.5	-1.60	1 / 36	23.45	21.85	0.153	33.01	-11.16
		1880.0	-1.60	1 / 77	23.70	22.10	0.162	33.01	-10.91
		1902.5	-1.60	1 / 36	23.60	22.00	0.158	33.01	-11.01
	16-QAM	1880.0	-1.60	1 / 36	22.71	21.11	0.129	33.01	-11.90
	64-QAM	1880.0	-1.60	1 / 1	21.64	20.04	0.101	33.01	-12.97
	256-QAM	1857.5	-1.60	1 / 77	18.77	17.17	0.052	33.01	-15.84
20 MHz	$\pi/2$ BPSK	1860.0	-1.60	1 / 104	23.69	22.09	0.162	33.01	-10.92
		1880.0	-1.60	1 / 1	23.68	22.08	0.161	33.01	-10.93
		1900.0	-1.60	1 / 1	23.54	21.94	0.156	33.01	-11.07
	QPSK	1860.0	-1.60	1 / 1	23.70	22.10	0.162	33.01	-10.91
		1880.0	-1.60	1 / 1	23.57	21.97	0.157	33.01	-11.04
		1900.0	-1.60	1 / 1	23.67	22.07	0.161	33.01	-10.94
	16-QAM	1860.0	-1.60	1 / 1	22.71	21.11	0.129	33.01	-11.90
	64-QAM	1880.0	-1.60	1 / 50	21.65	20.05	0.101	33.01	-12.96
	256-QAM	1880.0	-1.60	1 / 50	18.72	17.12	0.052	33.01	-15.89

Table 7-20. Antenna 1b EIRP Data (NR Band n2)

FCC ID: BCGA3267	 PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 194 of 219

V2.2 09/07/2023

WCDMA PCS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1852.40	WCDMA1900	23.34	-1.60	21.74	0.149	33.01	-11.27
1880.00	WCDMA1900	23.35	-1.60	21.75	0.150	33.01	-11.26
1907.60	WCDMA1900	23.53	-1.60	21.93	0.156	33.01	-11.08

Table 7-21. Antenna 1b EIRP Data (WCDMA PCS)

FCC ID: BCGA3267		PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device		Page 195 of 219

V2.2 09/07/2023

7.7 Radiated Spurious Emissions

§2.1053, 24.238(a)

Test Overview

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

Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.8

Test Settings

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

FCC ID: BCGA3267	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device
		Page 196 of 219

V2.2 09/07/2023

Test Setup

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

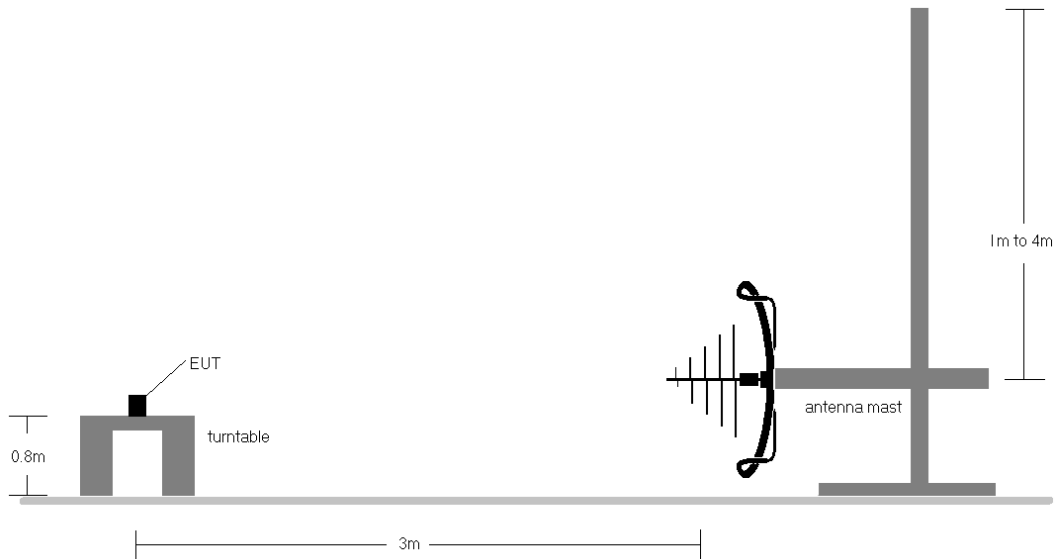


Figure 7-11. Test Instrument & Measurement Setup < 1GHz

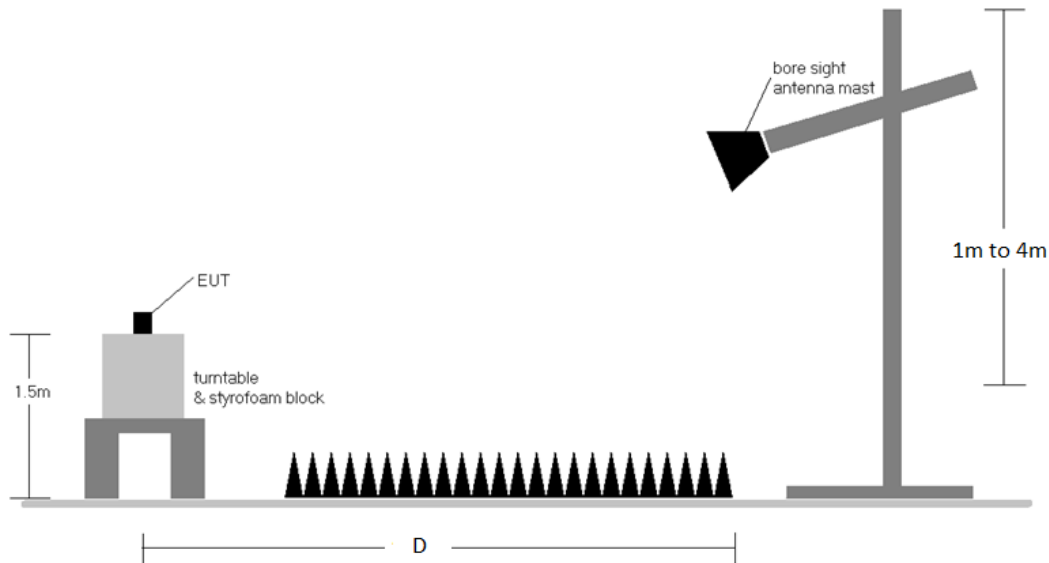


Figure 7-12. Test Instrument & Measurement Setup >1 GHz

FCC ID: BCGA3267	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device
		Page 197 of 219

V2.2 09/07/2023

Test Notes

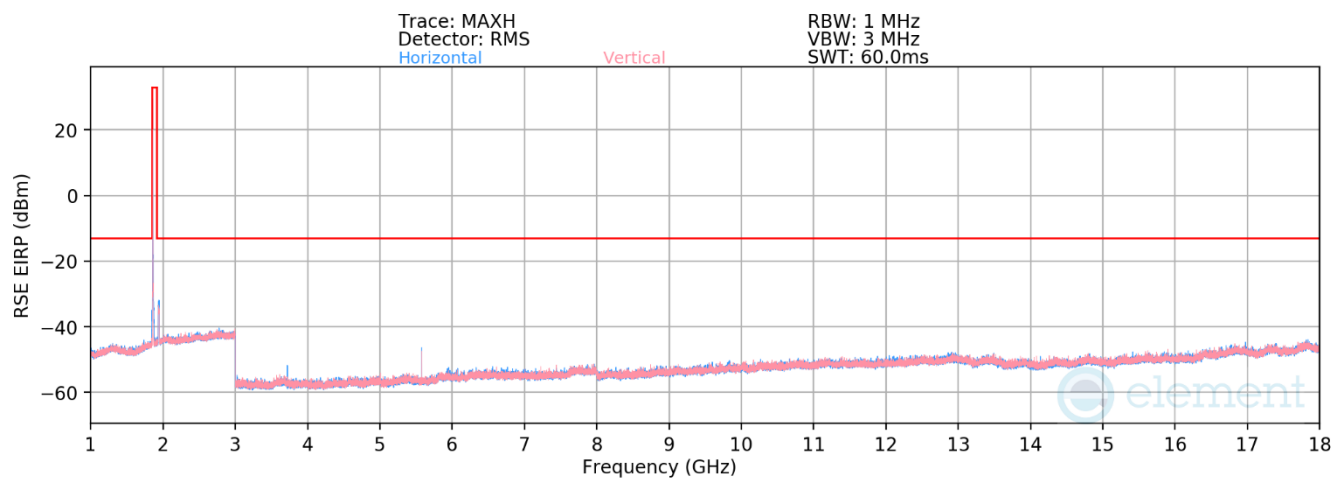
1. Field strengths are calculated using the Measurement quantity conversions in KDB 971168 Section 5.8.4.
 - a. $E(\text{dB}\mu\text{V}/\text{m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b. $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V}/\text{m}) + 20\log D - 104.8$; 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.
11. NR band n25 overlaps the entire frequency range of NR band 2. Therefore, the radiated emissions data of NR band n25 provided in this report covers NR band n2.

FCC ID: BCGA3267		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 198 of 219

V2.2 09/07/2023

7.7.1 Antenna 4 – Radiated Spurious Emission Measurement

LTE Band 25/2



Plot 7-302. Radiated Spurious Plot (LTE Band 25/2)

FCC ID: BCGA3267	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device
		Page 199 of 219

V2.2 09/07/2023

Bandwidth (MHz):	20
Frequency (MHz):	1860.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3720.0	H	134	141	-74.41	3.49	36.08	-59.18	-13.00	-46.18
5580.0	H	119	162	-71.65	6.28	41.62	-53.63	-13.00	-40.63
7440.0	V	-	-	-81.24	9.43	35.19	-60.07	-13.00	-47.07
9300.0	V	-	-	-81.31	10.33	36.02	-59.24	-13.00	-46.24
11160.0	H	-	-	-81.85	12.82	37.97	-57.29	-13.00	-44.29

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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3765.0	V	248	169	-75.27	2.81	34.54	-60.71	-13.00	-47.71
5647.5	V	297	195	-73.08	6.15	40.07	-55.19	-13.00	-42.19
7530.0	H	-	-	-81.09	8.99	34.90	-60.36	-13.00	-47.36
9412.5	V	-	-	-80.88	10.15	36.27	-58.99	-13.00	-45.99
11295.0	V	-	-	-81.79	12.79	38.00	-57.26	-13.00	-44.26

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

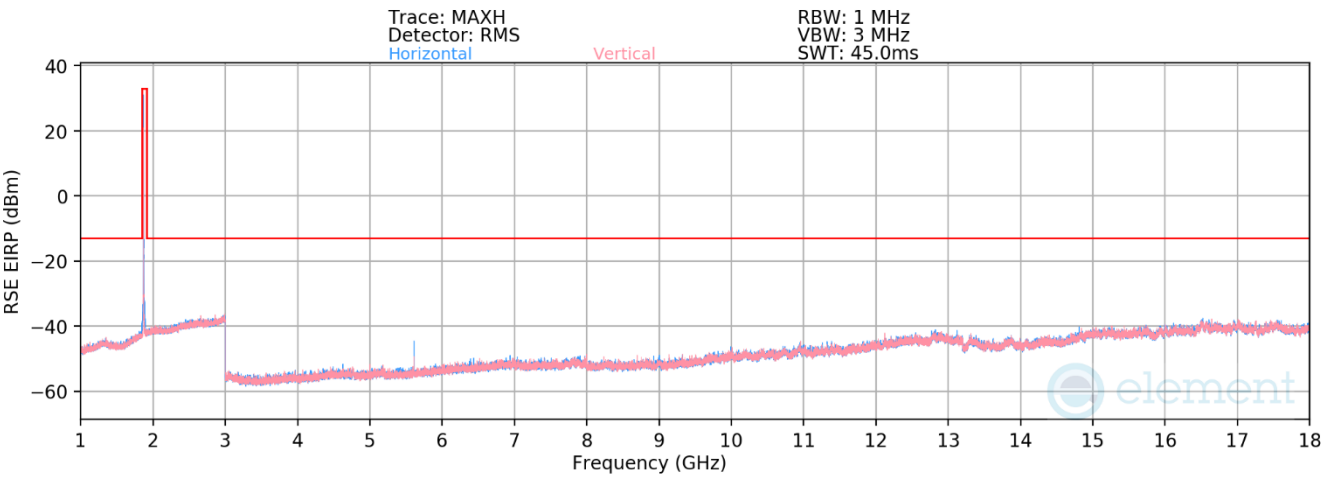
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3810.00	V	-	-	-77.47	2.70	32.23	-63.02	-13.00	-50.02
5715.00	V	297	196	-76.16	6.66	37.50	-57.76	-13.00	-44.76
7620.00	H	-	-	-80.92	9.66	35.74	-59.52	-13.00	-46.52
9525.00	V	-	-	-80.97	10.30	36.34	-58.92	-13.00	-45.92
11430.00	H	-	-	-82.71	13.72	38.01	-57.25	-13.00	-44.25

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

FCC ID: BCGA3267		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 200 of 219

V2.2 09/07/2023

NR Band n25/2



Plot 7-303. Radiated Spurious Plot (NR Band n25/2)

FCC ID: BCGA3267	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device
		Page 201 of 219

V2.2 09/07/2023

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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3740.0	V	-	-	-79.25	5.25	32.99	-62.26	-13.00	-49.26
5610.0	V	280	192	-76.77	8.84	39.08	-56.18	-13.00	-43.18
7480.0	V	-	-	-81.67	11.33	36.66	-58.60	-13.00	-45.60
9350.0	H	-	-	-81.95	12.72	37.77	-57.48	-13.00	-44.48
11220.0	V	-	-	-83.66	17.68	41.02	-54.24	-13.00	-41.24

Table 7-25. Antenna 4 Radiated Spurious Data (NR Band n25/2 – 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3765.0	V	-	-	-79.46	5.41	32.95	-62.31	-13.00	-49.31
5647.5	V	-	-	-81.01	8.95	34.94	-60.32	-13.00	-47.32
7530.0	V	-	-	-81.33	11.44	37.10	-58.15	-13.00	-45.15

Table 7-26. Antenna 4 Radiated Spurious Data (NR Band n25/2 – Mid Channel)

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

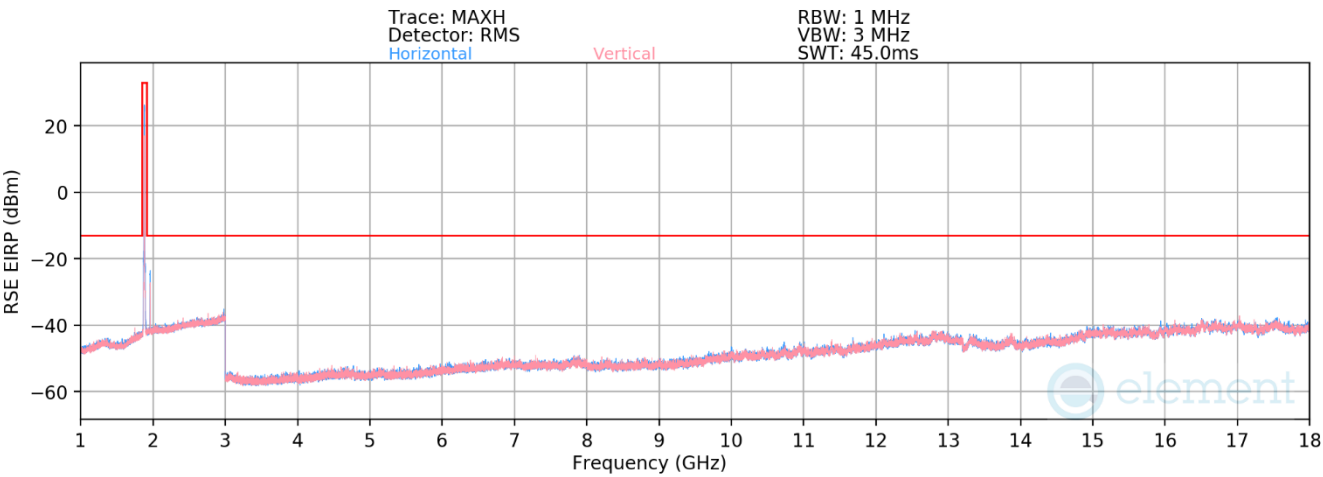
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3790.0	V	-	-	-79.75	5.66	32.92	-62.34	-13.00	-49.34
5685.0	V	-	-	-80.94	9.01	35.07	-60.19	-13.00	-47.19
7580.0	V	-	-	-81.26	11.43	37.17	-58.08	-13.00	-45.08

Table 7-27. Antenna 4 Radiated Spurious Data (NR Band n25/2 – High Channel)

FCC ID: BCGA3267	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device
		Page 202 of 219

V2.2 09/07/2023

WCDMA PCS



Plot 7-304. Radiated Spurious Plot (WCDMA PCS)

FCC ID: BCGA3267	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device
		Page 203 of 219

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3704.8	H	-	-	-79.39	5.16	32.77	-62.48	-13.00	-49.48
5557.2	H	-	-	-81.22	8.72	34.50	-60.75	-13.00	-47.75
7409.6	H	-	-	-81.60	11.82	37.22	-58.04	-13.00	-45.04

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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3760.0	H	-	-	-79.35	5.32	32.97	-62.29	-13.00	-49.29
5640.0	H	-	-	-81.14	8.97	34.83	-60.43	-13.00	-47.43
7520.0	H	-	-	-81.41	11.48	37.07	-58.19	-13.00	-45.19

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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3815.2	H	-	-	-79.25	5.46	33.21	-62.04	-13.00	-49.04
5722.8	H	-	-	-80.98	8.96	34.98	-60.28	-13.00	-47.28
7630.4	H	-	-	-81.53	11.25	36.72	-58.53	-13.00	-45.53

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

FCC ID: BCGA3267	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device
		Page 204 of 219

V2.2 09/07/2023

7.7.2 Antenna 2b – Radiated Spurious Emission Measurement

LTE Band 25/2

Bandwidth (MHz):	20
Frequency (MHz):	1860.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3720.0	V	-	-	-77.76	3.49	32.72	-62.53	-13.00	-49.53
5580.0	V	-	-	-79.69	6.28	33.58	-61.68	-13.00	-48.68
7440.0	V	-	-	-81.35	9.57	35.22	-60.04	-13.00	-47.04

Table 7-31. Antenna 2b Radiated Spurious Data (LTE Band 25/2 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	1882.5
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3765.0	H	327	318	-70.87	2.81	38.94	-56.32	-13.00	-43.32
5647.5	V	-	-	-79.81	6.15	33.34	-61.92	-13.00	-48.92
7530.0	H	-	-	-81.15	9.04	34.89	-60.37	-13.00	-47.37
9412.5	V	-	-	-81.02	10.15	36.13	-59.12	-13.00	-46.12

Table 7-32. Antenna 2b Radiated Spurious Data (LTE Band 25/2 – Mid Channel)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3810.00	H	148	280	-71.75	2.40	37.65	-57.61	-13.00	-44.61
5715.00	V	-	-	-79.99	6.66	33.67	-61.58	-13.00	-48.58
7620.00	V	-	-	-80.70	9.66	35.96	-59.30	-13.00	-46.30
9525.00	V	-	-	-80.66	10.15	36.49	-58.76	-13.00	-45.76

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

FCC ID: BCGA3267		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 205 of 219

V2.2 09/07/2023

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NR Band n25/2

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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3740.0	V	-	-	-79.44	5.26	32.83	-62.43	-13.00	-49.43
5610.0	V	-	-	-80.99	8.84	34.85	-60.41	-13.00	-47.41
7480.0	V	-	-	-81.26	11.33	37.07	-58.19	-13.00	-45.19

Table 7-34. Antenna 2b Radiated Spurious Data (NR Band n25/2 – 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3765.0	V	-	-	-79.36	5.25	32.89	-62.37	-13.00	-49.37
5647.5	V	-	-	-81.10	8.99	34.89	-60.37	-13.00	-47.37
7530.0	H	-	-	-81.44	11.53	37.10	-58.16	-13.00	-45.16

Table 7-35. Antenna 2b Radiated Spurious Data (NR Band n25/2 – 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3790.0	H	-	-	-79.58	5.66	33.08	-62.18	-13.00	-49.18
5685.0	V	-	-	-80.81	9.05	35.24	-60.01	-13.00	-47.01
7580.0	H	-	-	-81.51	11.73	37.22	-58.04	-13.00	-45.04

Table 7-36. Antenna 2b Radiated Spurious Data (NR Band n25/2 – High Channel)

FCC ID: BCGA3267		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 206 of 219

V2.2 09/07/2023

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WCDMA PCS

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3704.8	H	-	-	-79.43	5.16	32.73	-62.52	-13.00	-49.52
5557.2	H	-	-	-81.10	8.72	34.62	-60.63	-13.00	-47.63
7409.6	H	-	-	-81.55	11.82	37.27	-57.99	-13.00	-44.99

Table 7-37. Antenna 2b Radiated Spurious Data (WCDMA PCS – Low Channel)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3760.0	H	-	-	-79.42	5.32	32.90	-62.36	-13.00	-49.36
5640.0	H	-	-	-81.04	8.97	34.93	-60.33	-13.00	-47.33
7520.0	H	-	-	-81.18	11.48	37.30	-57.96	-13.00	-44.96

Table 7-38. Antenna 2b Radiated Spurious Data (WCDMA PCS – Mid Channel)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3815.2	H	-	-	-79.05	5.46	33.41	-61.84	-13.00	-48.84
5722.8	H	-	-	-81.02	8.96	34.94	-60.32	-13.00	-47.32
7630.4	H	-	-	-81.49	11.25	36.76	-58.49	-13.00	-45.49

Table 7-39. Antenna 2b Radiated Spurious Data (WCDMA PCS – High Channel)

FCC ID: BCGA3267		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 207 of 219

V2.2 09/07/2023

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7.7.3 Antenna 3a – Radiated Spurious Emission Measurement

LTE Band 25/2

Bandwidth (MHz):	20
Frequency (MHz):	1860.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3720.0	V	-	-	-78.02	3.71	32.68	-62.57	-13.00	-49.57
5580.0	H	-	-	-79.86	6.03	33.17	-62.08	-13.00	-49.08
7440.0	H	-	-	-81.18	9.43	35.24	-60.01	-13.00	-47.01

Table 7-40. Antenna 3a Radiated Spurious Data (LTE Band 25/2 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	1882.5
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3765.0	H	-	-	-77.49	3.03	32.54	-62.72	-13.00	-49.72
5647.5	H	-	-	-79.37	5.97	33.60	-61.66	-13.00	-48.66
7530.0	V	-	-	-80.98	8.99	35.01	-60.24	-13.00	-47.24

Table 7-41. Antenna 3a Radiated Spurious Data (LTE Band 25/2 – Mid Channel)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3810.00	H	-	-	-77.03	2.56	32.54	-62.72	-13.00	-49.72
5715.00	V	-	-	-79.94	6.66	33.72	-61.54	-13.00	-48.54
7620.00	V	-	-	-80.79	9.66	35.87	-59.38	-13.00	-46.38

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

FCC ID: BCGA3267		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 208 of 219

V2.2 09/07/2023

NR Band n25/2

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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3740.0	V	-	-	-79.26	5.25	32.98	-62.27	-13.00	-49.27
5610.0	V	-	-	-80.90	8.84	34.94	-60.31	-13.00	-47.31
7480.0	V	-	-	-81.36	11.21	36.85	-58.41	-13.00	-45.41

Table 7-43. Antenna 3a Radiated Spurious Data (NR Band n25/2 – 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3765.0	V	-	-	-79.38	5.41	33.03	-62.23	-13.00	-49.23
5647.5	V	-	-	-81.13	9.01	34.88	-60.38	-13.00	-47.38
7530.0	V	-	-	-81.21	11.43	37.22	-58.04	-13.00	-45.04

Table 7-44. Antenna 3a Radiated Spurious Data (NR Band n25/2 – 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3790.0	H	-	-	-79.03	5.25	33.22	-62.04	-13.00	-49.04
5685.0	V	-	-	-80.91	9.04	35.13	-60.12	-13.00	-47.12
7580.0	V	-	-	-81.16	11.73	37.57	-57.69	-13.00	-44.69

Table 7-45. Antenna 3a Radiated Spurious Data (NR Band n25/2 – High Channel)

FCC ID: BCGA3267		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 209 of 219

V2.2 09/07/2023

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WCDMA PCS

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3704.8	H	-	-	-79.34	5.16	32.82	-62.43	-13.00	-49.43
5557.2	H	-	-	-81.20	8.72	34.52	-60.73	-13.00	-47.73
7409.6	H	-	-	-81.52	11.82	37.30	-57.96	-13.00	-44.96

Table 7-46. Antenna 3a Radiated Spurious Data (WCDMA PCS – Low Channel)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3760.0	H	-	-	-79.32	5.32	33.00	-62.26	-13.00	-49.26
5640.0	H	-	-	-80.95	8.97	35.02	-60.24	-13.00	-47.24
7520.0	H	-	-	-81.44	11.48	37.04	-58.22	-13.00	-45.22

Table 7-47. Antenna 3a Radiated Spurious Data (WCDMA PCS – Mid Channel)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3815.2	H	-	-	-79.18	5.46	33.28	-61.97	-13.00	-48.97
5722.8	H	-	-	-80.85	8.96	35.11	-60.15	-13.00	-47.15
7630.4	H	-	-	-81.60	11.25	36.65	-58.60	-13.00	-45.60

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

FCC ID: BCGA3267		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 210 of 219

V2.2 09/07/2023

7.7.4 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3720.0	H	-	-	-77.80	3.49	32.69	-62.57	-13.00	-49.57
5580.0	V	-	-	-79.55	6.03	33.49	-61.77	-13.00	-48.77
7440.0	H	-	-	-81.34	9.48	35.14	-60.12	-13.00	-47.12

Table 7-49. 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3765.0	H	329	319	-73.93	2.81	35.88	-59.38	-13.00	-46.38
5647.5	V	-	-	-79.63	5.97	33.34	-61.92	-13.00	-48.92
7530.0	V	-	-	-80.66	9.04	35.38	-59.88	-13.00	-46.88
9412.5	V	-	-	-81.08	10.15	36.07	-59.19	-13.00	-46.19

Table 7-50. 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3810.00	H	-	-	-77.40	2.56	32.17	-63.09	-13.00	-50.09
5715.00	V	-	-	-79.54	6.66	34.12	-61.14	-13.00	-48.14
7620.00	V	-	-	-80.85	9.66	35.81	-59.45	-13.00	-46.45

Table 7-51. Antenna 1b Radiated Spurious Data (LTE Band 25/2 – High Channel)

FCC ID: BCGA3267		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 211 of 219

V2.2 09/07/2023

NR Band n25/2

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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3740.0	V	-	-	-79.29	5.13	32.84	-62.42	-13.00	-49.42
5610.0	V	-	-	-80.68	8.84	35.16	-60.09	-13.00	-47.09
7480.0	V	-	-	-81.42	11.33	36.90	-58.35	-13.00	-45.35

Table 7-52. Antenna 1b Radiated Spurious Data (NR Band n25/2 – 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3765.0	V	-	-	-79.01	5.13	33.11	-62.14	-13.00	-49.14
5647.5	H	-	-	-80.92	8.99	35.07	-60.19	-13.00	-47.19
7530.0	V	-	-	-81.47	11.53	37.07	-58.19	-13.00	-45.19

Table 7-53. Antenna 1b Radiated Spurious Data (NR Band n25/2 – 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3790.0	V	-	-	-79.64	5.66	33.02	-62.24	-13.00	-49.24
5685.0	V	-	-	-80.64	9.11	35.47	-59.79	-13.00	-46.79
7580.0	V	-	-	-81.11	11.43	37.32	-57.93	-13.00	-44.93

Table 7-54. Antenna 1b Radiated Spurious Data (NR Band n25/2 – High Channel)

FCC ID: BCGA3267		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 212 of 219

V2.2 09/07/2023

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WCDMA PCS

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3704.8	H	-	-	-79.31	5.16	32.85	-62.40	-13.00	-49.40
5557.2	H	-	-	-81.28	8.72	34.44	-60.81	-13.00	-47.81
7409.6	H	-	-	-81.62	11.82	37.20	-58.06	-13.00	-45.06

Table 7-55. 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3760.0	H	-	-	-79.41	5.32	32.91	-62.35	-13.00	-49.35
5640.0	H	-	-	-81.14	8.97	34.83	-60.43	-13.00	-47.43
7520.0	H	-	-	-80.89	11.48	37.59	-57.67	-13.00	-44.67

Table 7-56. 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3815.2	H	-	-	-81.55	5.46	30.91	-64.34	-13.00	-51.34
5722.8	H	-	-	-80.92	8.96	35.04	-60.22	-13.00	-47.22
7630.4	H	-	-	-81.50	11.25	36.75	-58.50	-13.00	-45.50

Table 7-57. Antenna 1b Radiated Spurious Data (WCDMA PCS – High Channel)

FCC ID: BCGA3267		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 213 of 219

V2.2 09/07/2023

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7.8 Frequency Stability / Temperature Variation

§2.1055, §24.235

Test Overview and Limit

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

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

For Part 24 the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

Test Procedure Used

ANSI C63.26-2015

TIA-603-E-2016

Test Settings

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

FCC ID: BCGA3267	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device
		Page 214 of 219

V2.2 09/07/2023

Test Setup

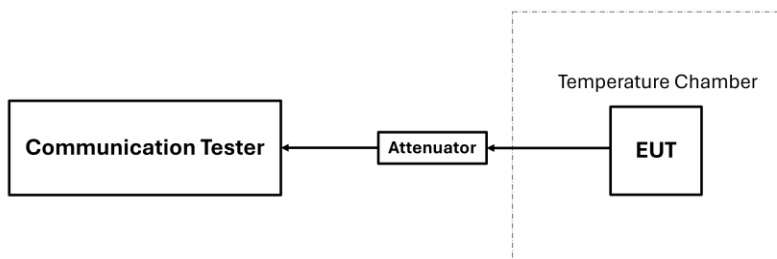


Figure 7-13. LTE Test Instrument & Measurement Setup

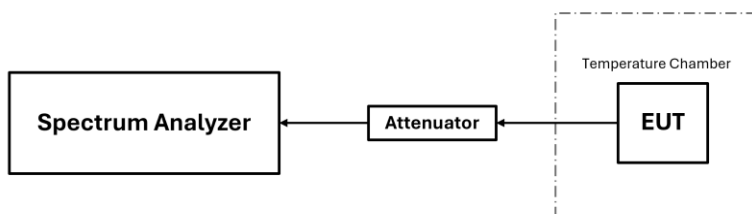


Figure 7-14. FR1 Test Instrument & Measurement Setup

Test Notes

1. All ports were tested and only the worst case data were reported.

FCC ID: BCGA3267		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 215 of 219

V2.2 09/07/2023

Frequency Stability / Temperature Variation

LTE B25/2				
		Operating Band Lower Boundary (GHz)	1.850	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.85070032	-0.00070032
		- 20	1.85071434	-0.00071434
		- 10	1.85011383	-0.00011383
		0	1.85096593	-0.00096593
		+ 10	1.85075111	-0.00075111
		+ 20 (Ref)	1.85006905	-0.00006905
		+ 30	1.85066174	-0.00066174
		+ 40	1.85069023	-0.00069023
		+ 50	1.85024617	-0.00024617
Battery Endpoint	3.40	+ 20	1.85096528	-0.00096528

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

LTE B25/2				
		Operating Band Upper Boundary (GHz)	1.915	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.91407015	-0.00092985
		- 20	1.91457615	-0.00042385
		- 10	1.91492800	-0.00007200
		0	1.91448192	-0.00051808
		+ 10	1.91458074	-0.00041926
		+ 20 (Ref)	1.91431571	-0.00068429
		+ 30	1.91428919	-0.00071081
		+ 40	1.91476633	-0.00023367
		+ 50	1.91423495	-0.00076505
Battery Endpoint	3.40	+ 20	1.91485294	-0.00014706

Table 7-59. LTE Band 25/2 Upper Boundary Frequency Stability Data

FCC ID: BCGA3267			PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device		Page 216 of 219

V2.2 09/07/2023

NR Band n25/2

NR Band n25/2				
Operating Band Lower Boundary (GHz)			1.850	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.85037989	-0.00037989
		- 20	1.85048428	-0.00048428
		- 10	1.85020284	-0.00020284
		0	1.85088302	-0.00088302
		+ 10	1.85009977	-0.00009977
		+ 20 (Ref)	1.85039722	-0.00039722
		+ 30	1.85009014	-0.00009014
		+ 40	1.85022108	-0.00022108
		+ 50	1.85091164	-0.00091164
Battery Endpoint	3.40	+ 20	1.85038658	-0.00038658

Table 7-60. NR Band n25/2 Lower Boundary Frequency Stability Data

NR Band n25/2				
Operating Band Upper Boundary (GHz)			1.915	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.91432983	-0.00067017
		- 20	1.91497910	-0.00002090
		- 10	1.91463919	-0.00036081
		0	1.91468902	-0.00031098
		+ 10	1.91478664	-0.00021336
		+ 20 (Ref)	1.91413109	-0.00086891
		+ 30	1.91477648	-0.00022352
		+ 40	1.91437784	-0.00062216
		+ 50	1.91401396	-0.00098604
Battery Endpoint	3.40	+ 20	1.91431104	-0.00068896

Table 7-61. NR Band n25/2 Upper Boundary Frequency Stability Data

FCC ID: BCGA3267		PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device		Page 217 of 219

V2.2 09/07/2023

WCDMA PCS

WCDMA PCS				
		Operating Band Lower Boundary (GHz)	1.850	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.85015289	-0.00015289
		- 20	1.85081791	-0.00081791
		- 10	1.85003397	-0.00003397
		0	1.85039368	-0.00039368
		+ 10	1.85009149	-0.00009149
		+ 20 (Ref)	1.85062772	-0.00062772
		+ 30	1.85036656	-0.00036656
		+ 40	1.85004424	-0.00004424
		+ 50	1.85017617	-0.00017617
Battery Endpoint	3.40	+ 20	1.85088952	-0.00088952

Table 7-62. WCDMA PCS Lower Boundary Frequency Stability Data

WCDMA PCS				
		Operating Band Upper Boundary (GHz)	1.910	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.90903597	-0.00096403
		- 20	1.90966655	-0.00033345
		- 10	1.90928390	-0.00071610
		0	1.90915191	-0.00084809
		+ 10	1.90962076	-0.00037924
		+ 20 (Ref)	1.90903333	-0.00096667
		+ 30	1.90950023	-0.00049977
		+ 40	1.90953347	-0.00046653
		+ 50	1.90927946	-0.00072054
Battery Endpoint	3.40	+ 20	1.90919678	-0.00080322

Table 7-63. WCDMA PCS Upper Boundary Frequency Stability Data

FCC ID: BCGA3267		PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device		Page 218 of 219

V2.2 09/07/2023

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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: BCGA3267** complies with all the requirements of Part 24 of the FCC rules.

FCC ID: BCGA3267		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-08-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 219 of 219

V2.2 09/07/2023

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