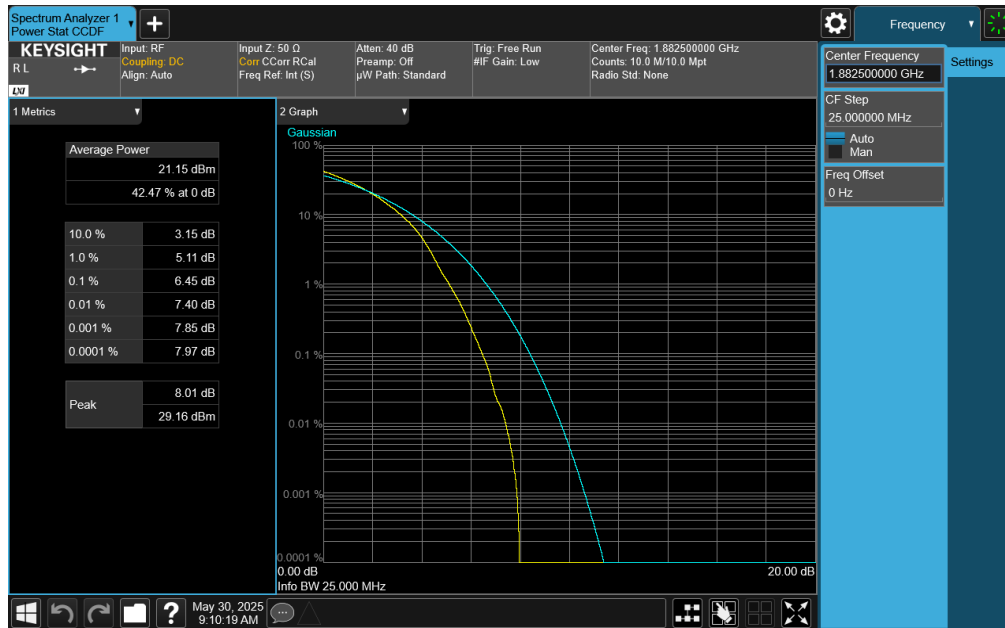
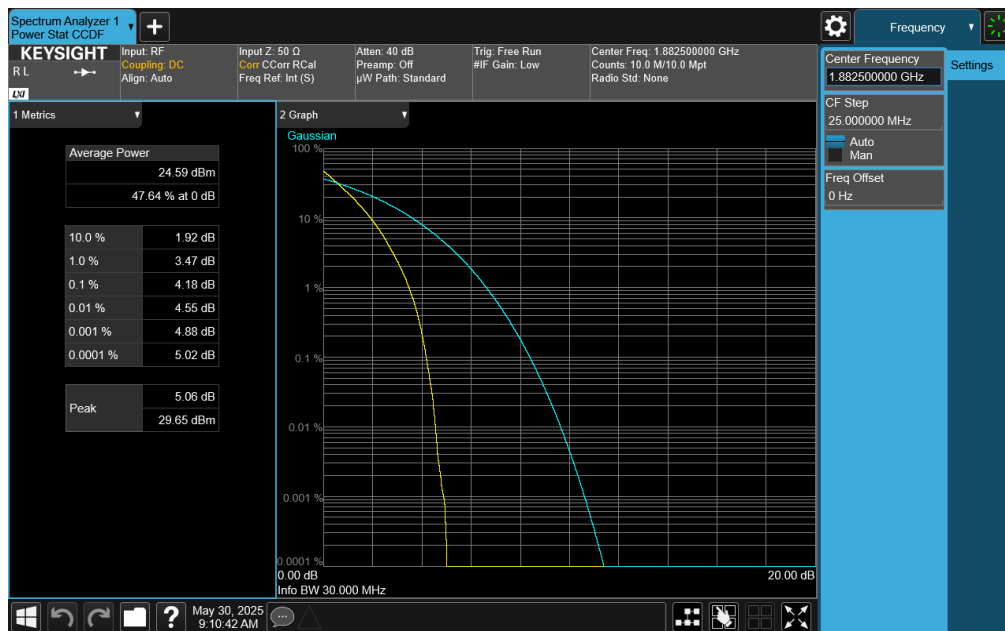




Plot 7-281. PAR Plot (NR Band n25 - 25MHz DFT-s-OFDM 256-QAM - Full RB)

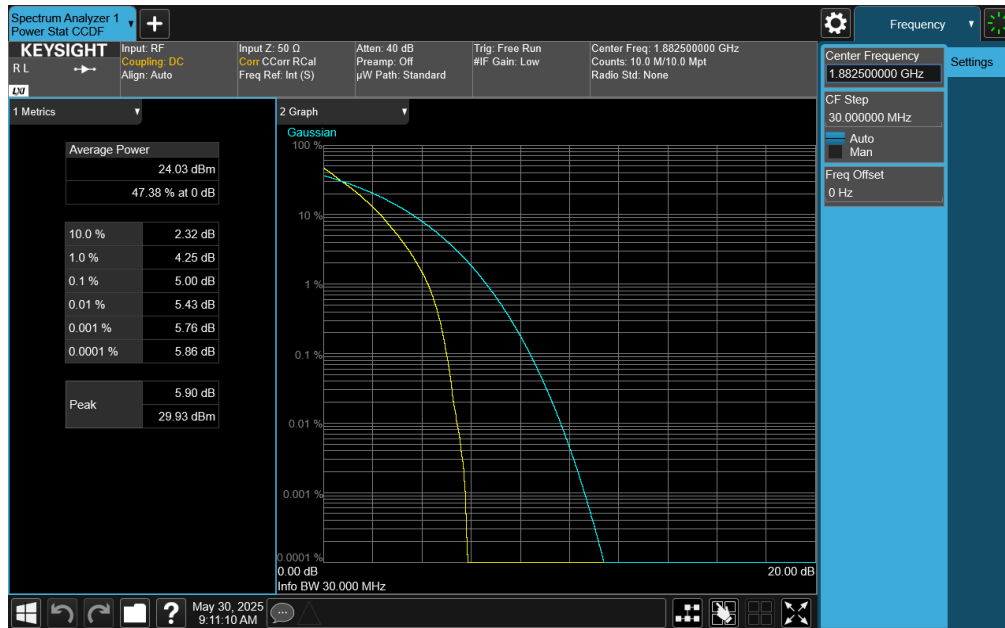


Plot 7-282. PAR Plot (NR Band n25 - 30MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

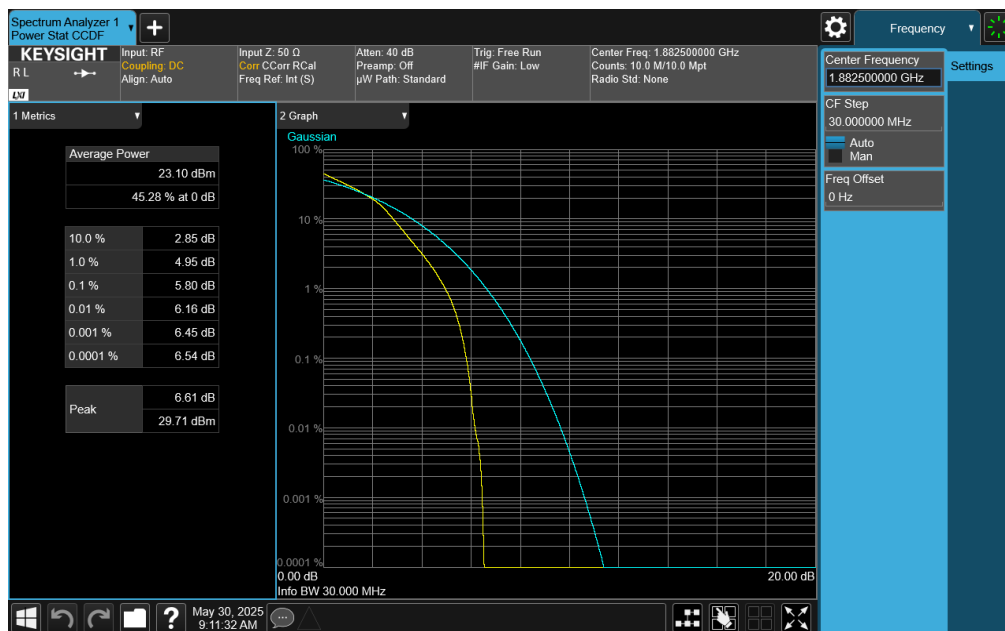
FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-08.BCG	Test Dates: 5/9/2025 - 6/20/2025	EUT Type: Tablet Device
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Plot 7-283. PAR Plot (NR Band n25 - 30MHz DFT-s-OFDM QPSK - Full RB)

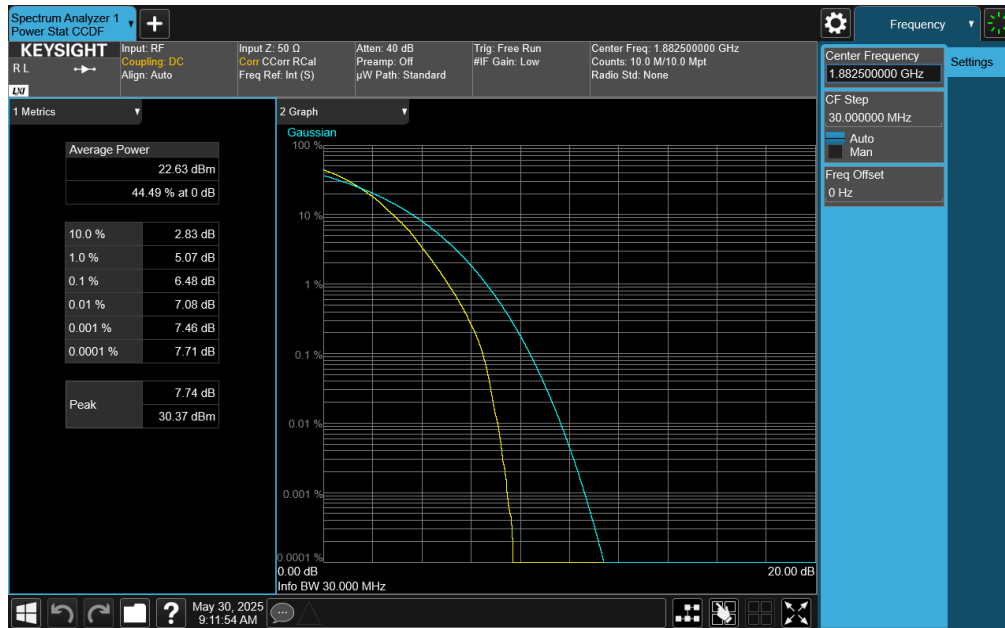


Plot 7-284. PAR Plot (NR Band n25 - 30MHz DFT-s-OFDM 16-QAM - Full RB)

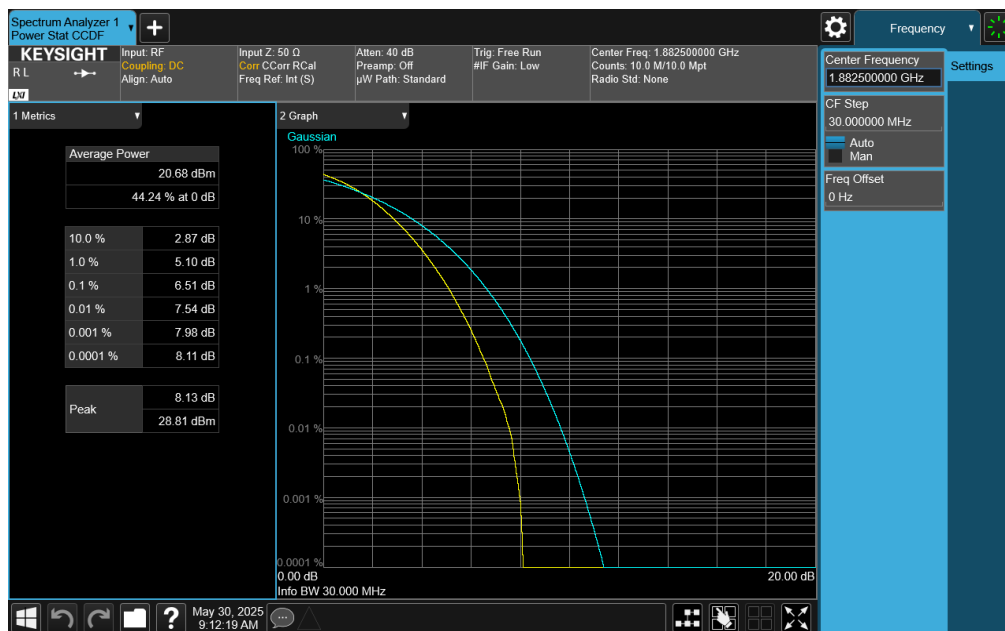
FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-285. PAR Plot (NR Band n25 - 30MHz DFT-s-OFDM 64-QAM - Full RB)

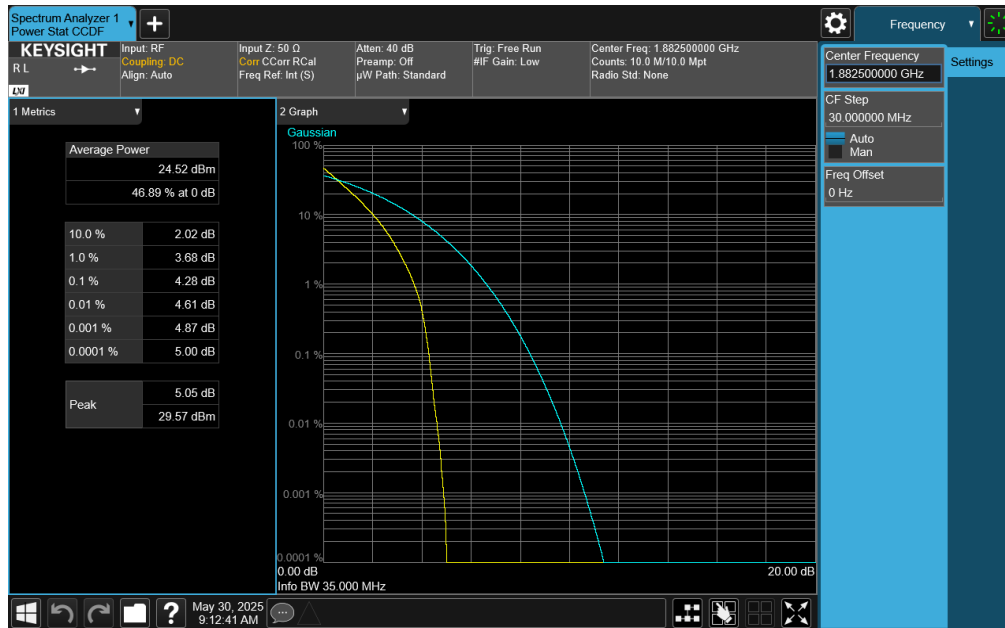


Plot 7-286. PAR Plot (NR Band n25 - 30MHz DFT-s-OFDM 256-QAM - Full RB)

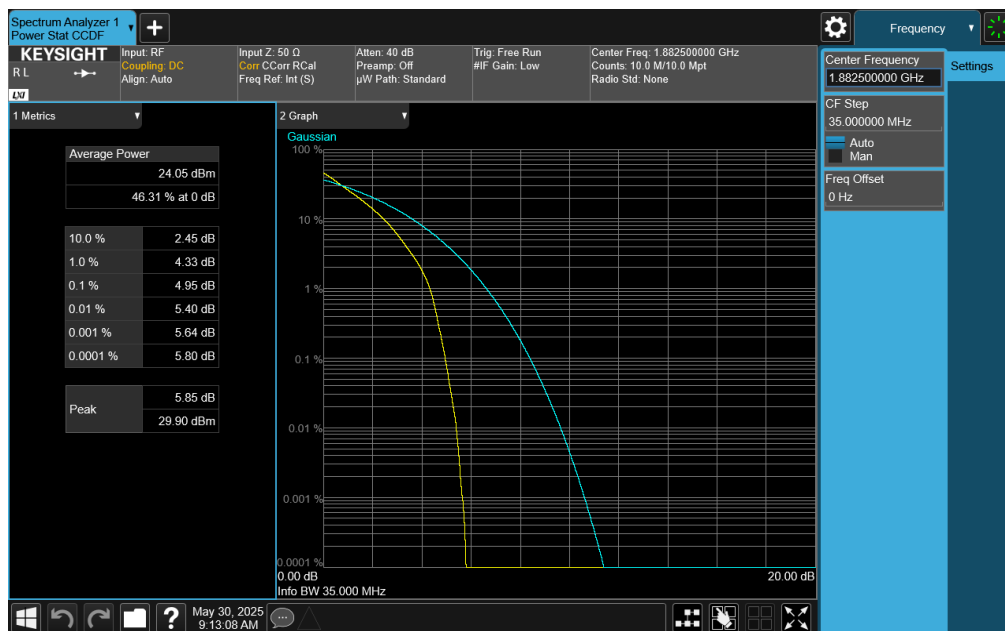
FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-08.BCG	Test Dates: 5/9/2025 - 6/20/2025	EUT Type: Tablet Device
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Plot 7-287. PAR Plot (NR Band n25 - 35MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

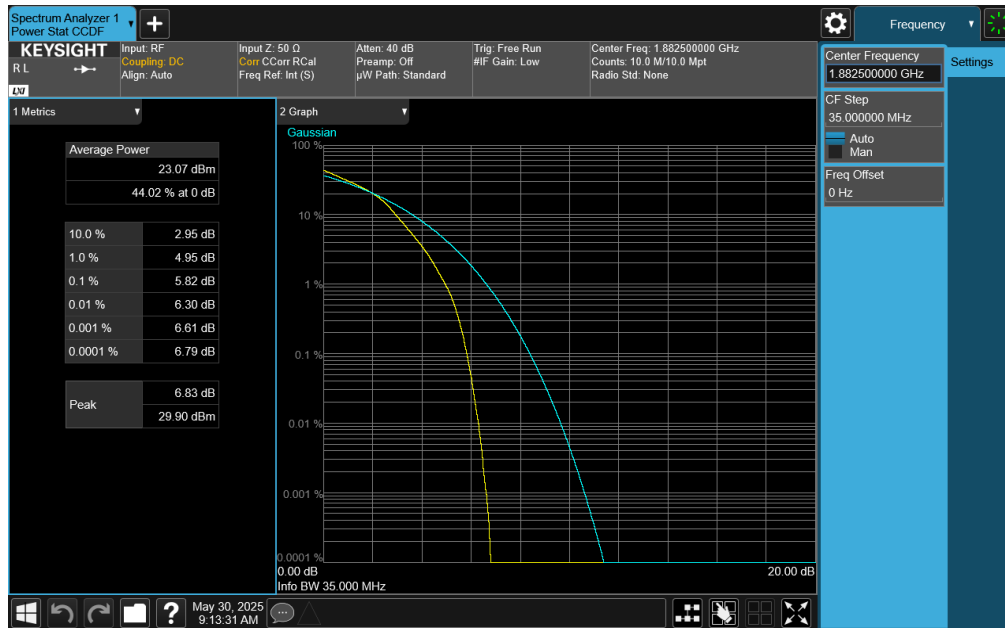


Plot 7-288. PAR Plot (NR Band n25 - 35MHz DFT-s-OFDM QPSK - Full RB)

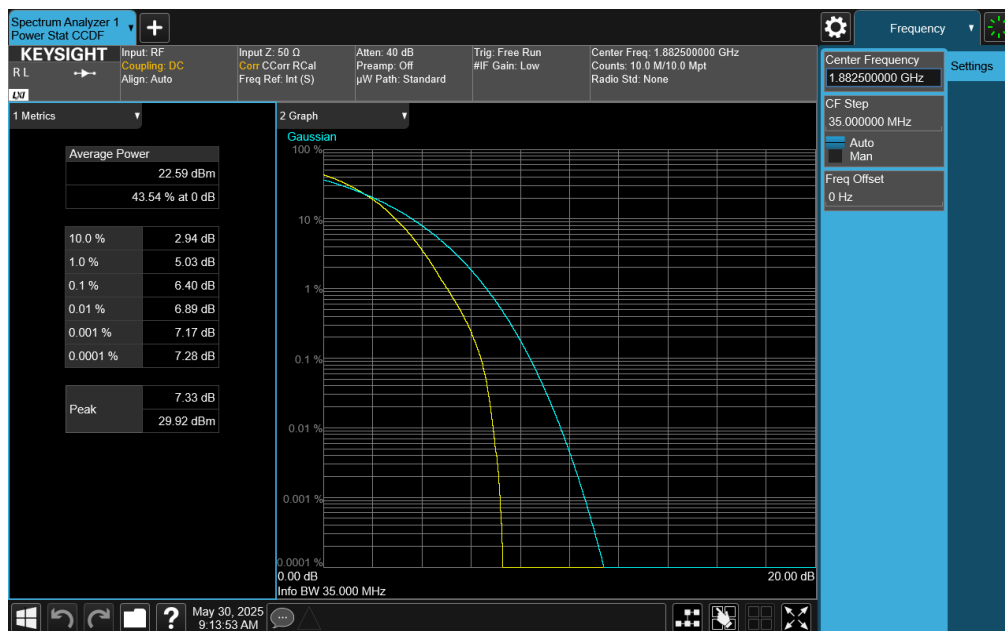
FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-08.BCG	Test Dates: 5/9/2025 - 6/20/2025	EUT Type: Tablet Device
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Plot 7-289. PAR Plot (NR Band n25 - 35MHz DFT-s-OFDM 16-QAM - Full RB)

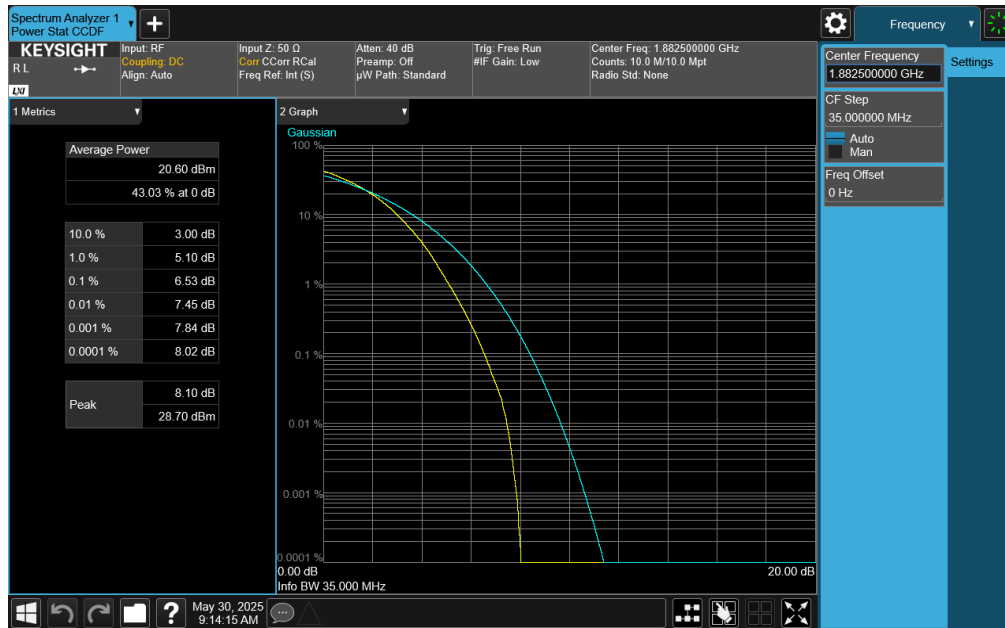


Plot 7-290. PAR Plot (NR Band n25 - 35MHz DFT-s-OFDM 64-QAM - Full RB)

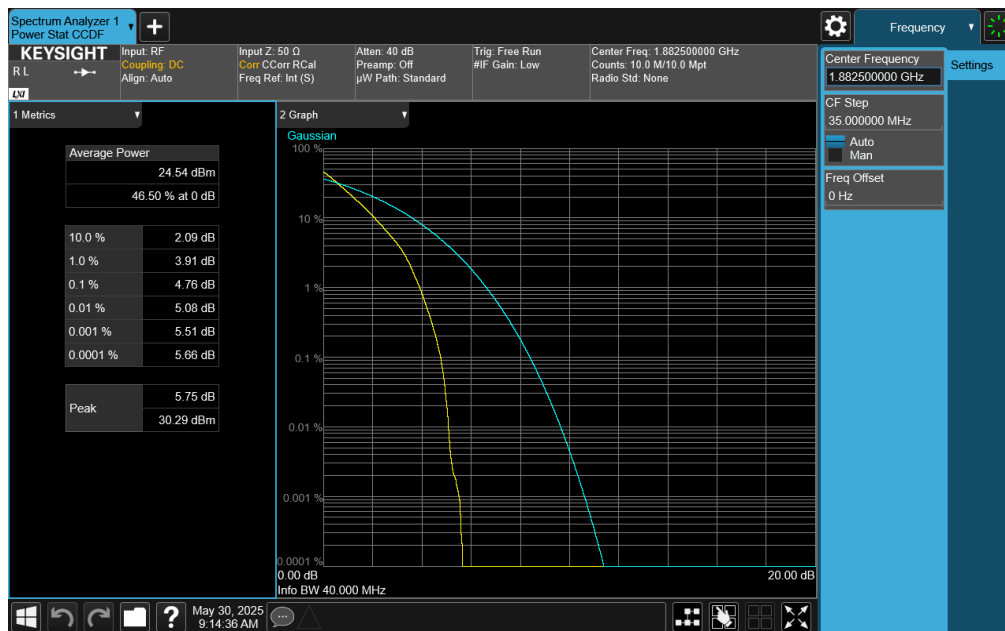
FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-291. PAR Plot (NR Band n25 - 35MHz DFT-s-OFDM 256-QAM - Full RB)

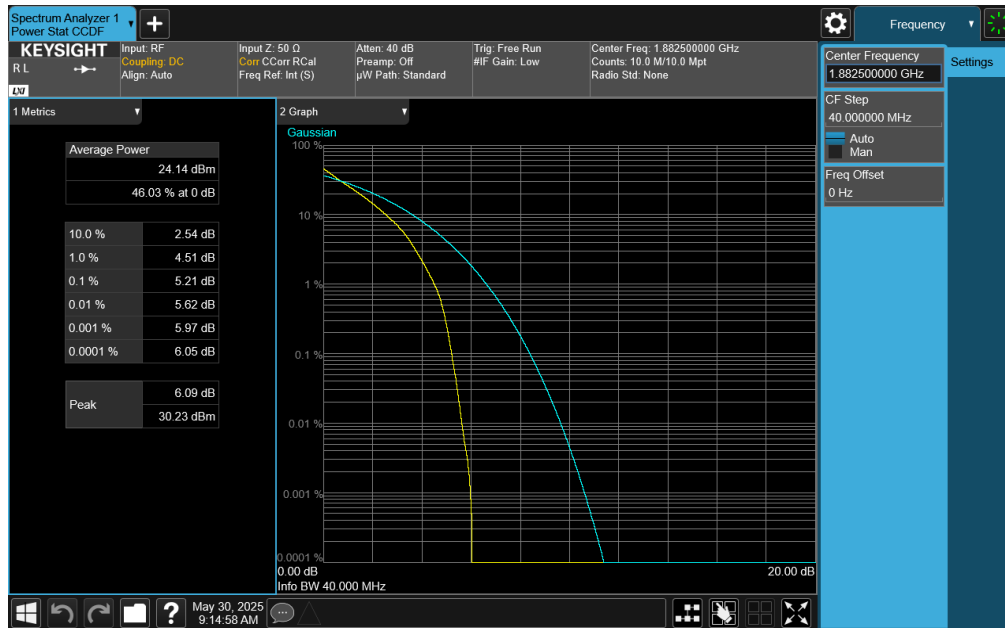


Plot 7-292. PAR Plot (NR Band n25 - 40MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

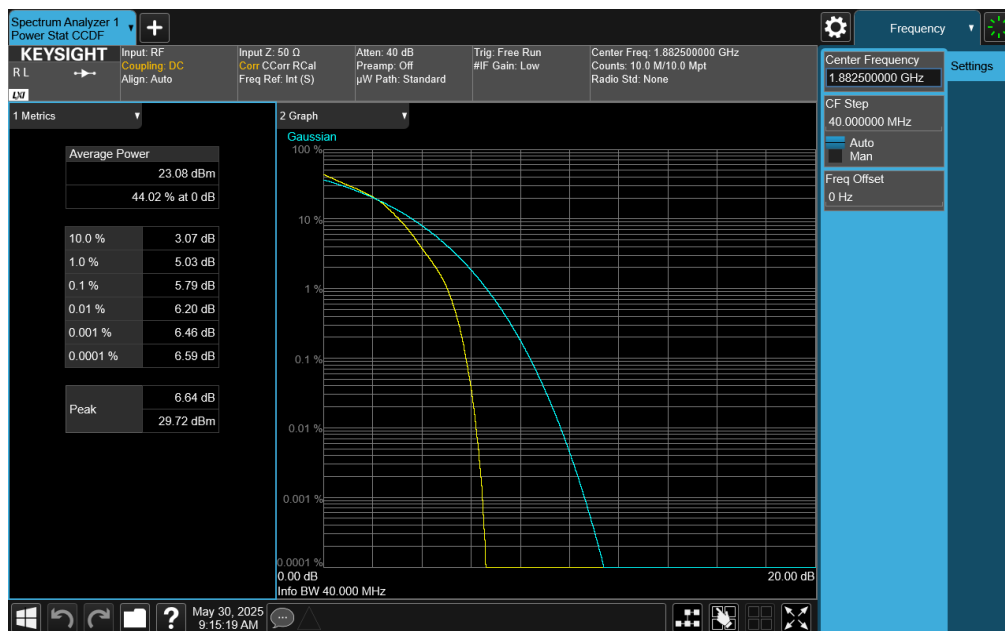
FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-293. PAR Plot (NR Band n25 - 40MHz DFT-s-OFDM QPSK - Full RB)

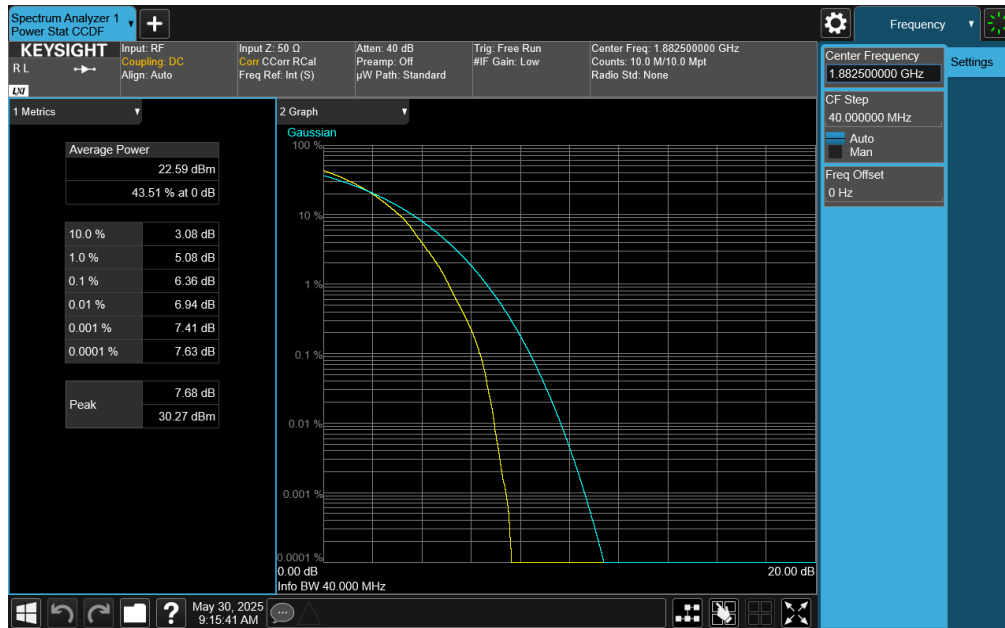


Plot 7-294. PAR Plot (NR Band n25 - 40MHz DFT-s-OFDM 16-QAM - Full RB)

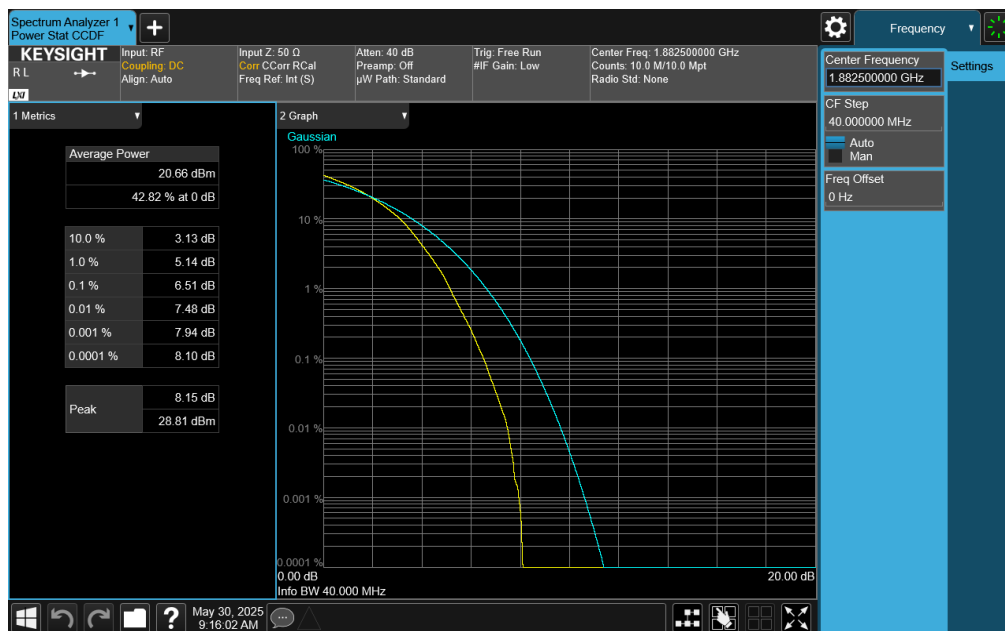
FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-08.BCG	Test Dates: 5/9/2025 - 6/20/2025	EUT Type: Tablet Device
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Plot 7-295. PAR Plot (NR Band n25 - 40MHz DFT-s-OFDM 64-QAM - Full RB)



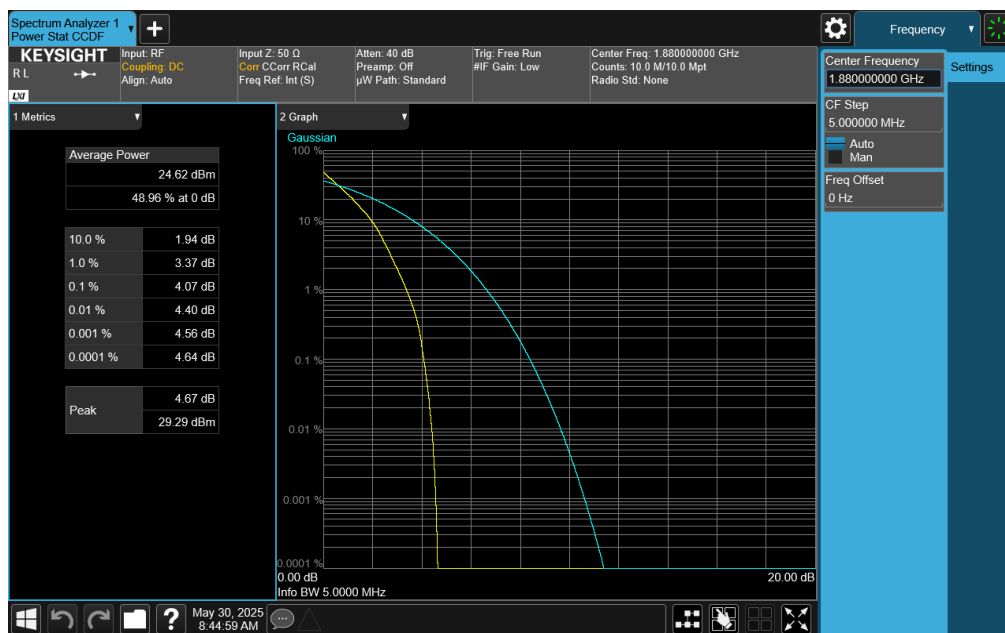
Plot 7-296. PAR Plot (NR Band n25 - 40MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-08.BCG	Test Dates: 5/9/2025 - 6/20/2025	EUT Type: Tablet Device
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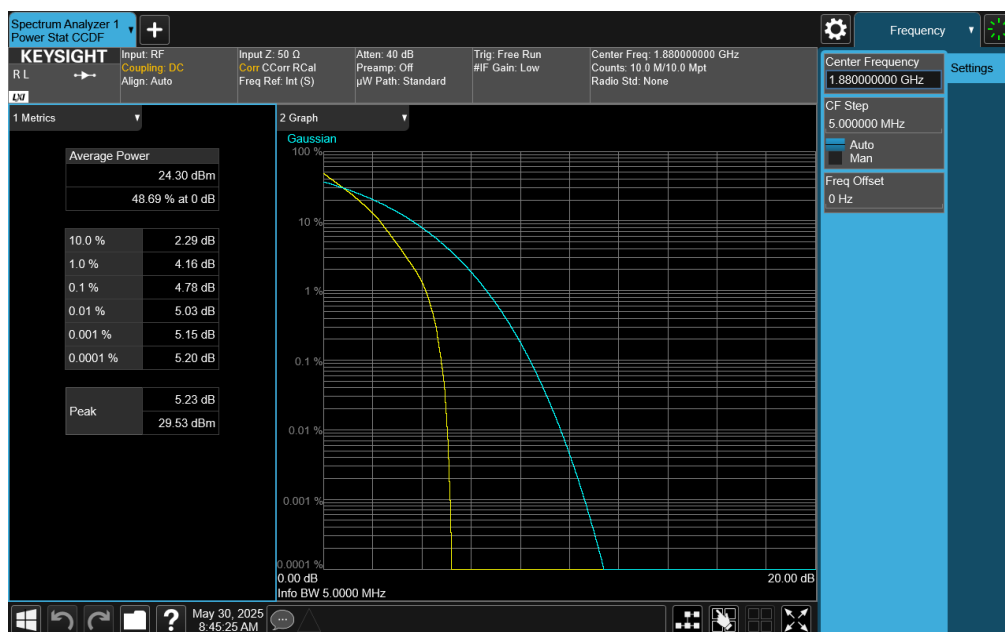
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NR Band n2



Plot 7-297. PAR Plot (NR Band n2 - 5MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

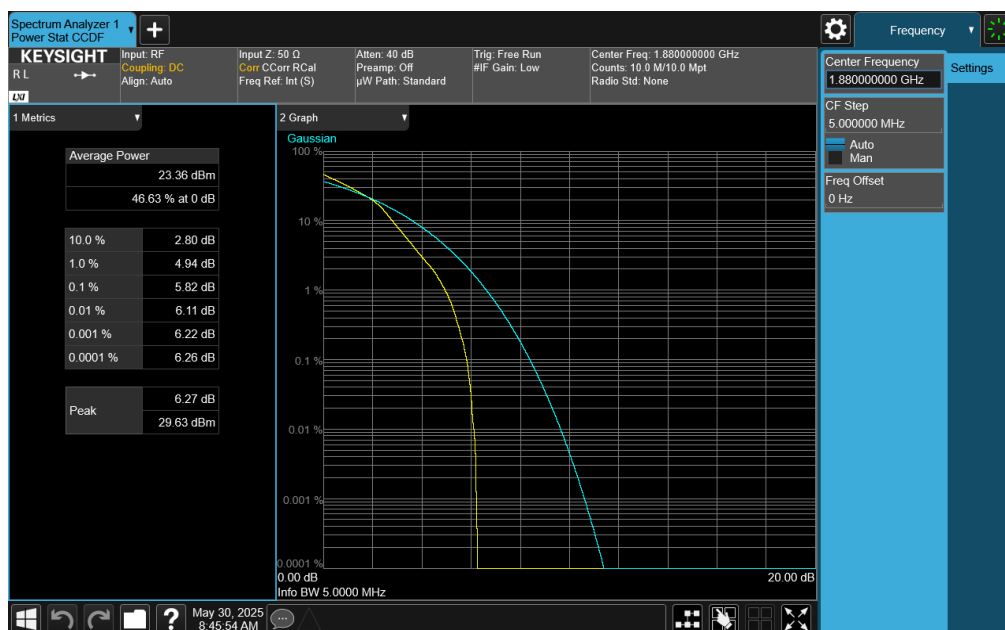


Plot 7-298. PAR Plot (NR Band n2 - 5MHz DFT-s-OFDM QPSK - Full RB)

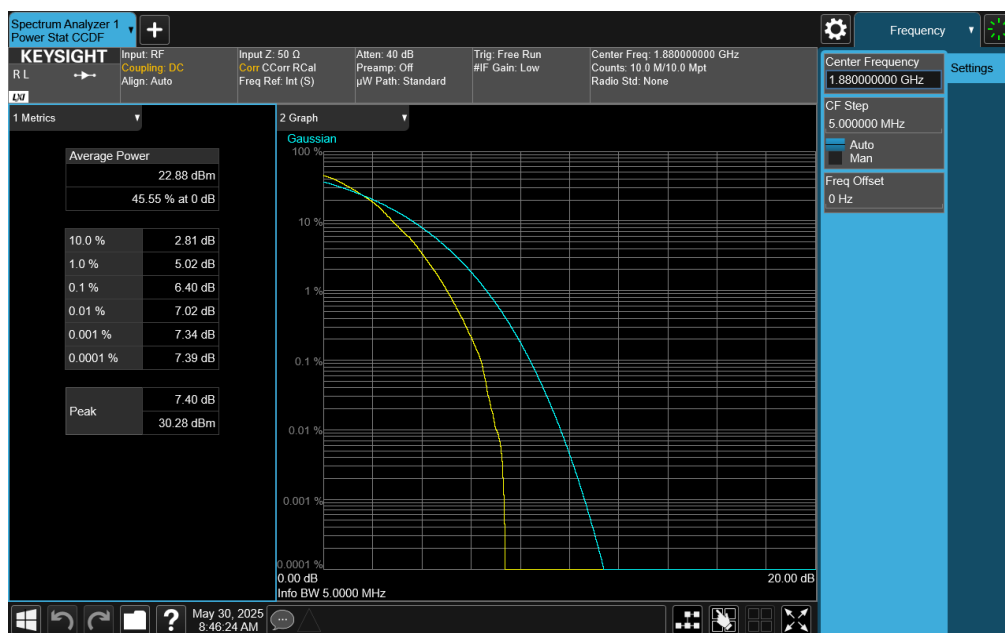
FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-299. PAR Plot (NR Band n2 - 5MHz DFT-s-OFDM 16-QAM - Full RB)

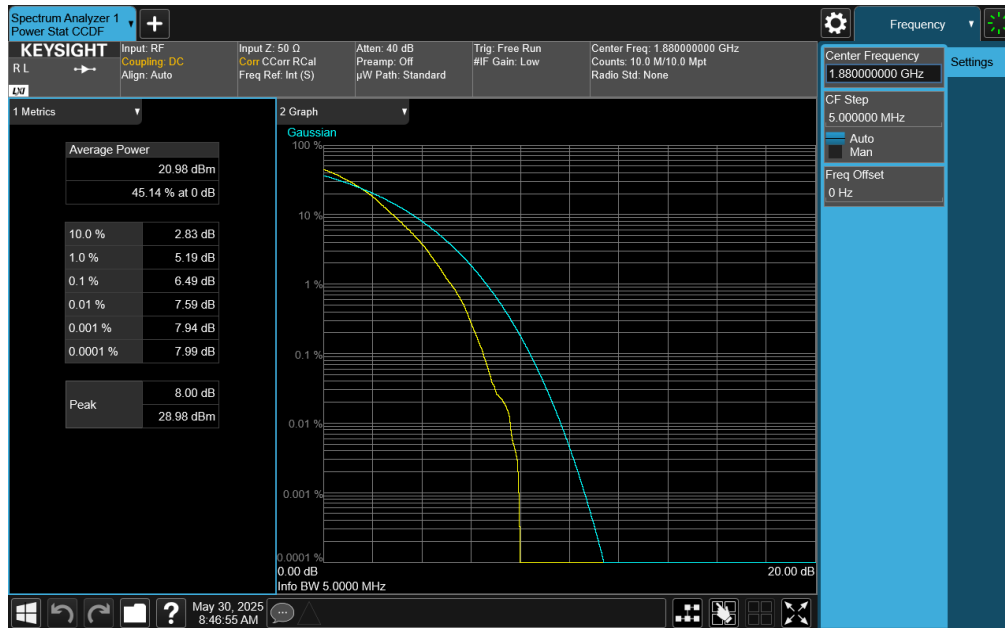


Plot 7-300. PAR Plot (NR Band n2 - 5MHz DFT-s-OFDM 64-QAM - Full RB)

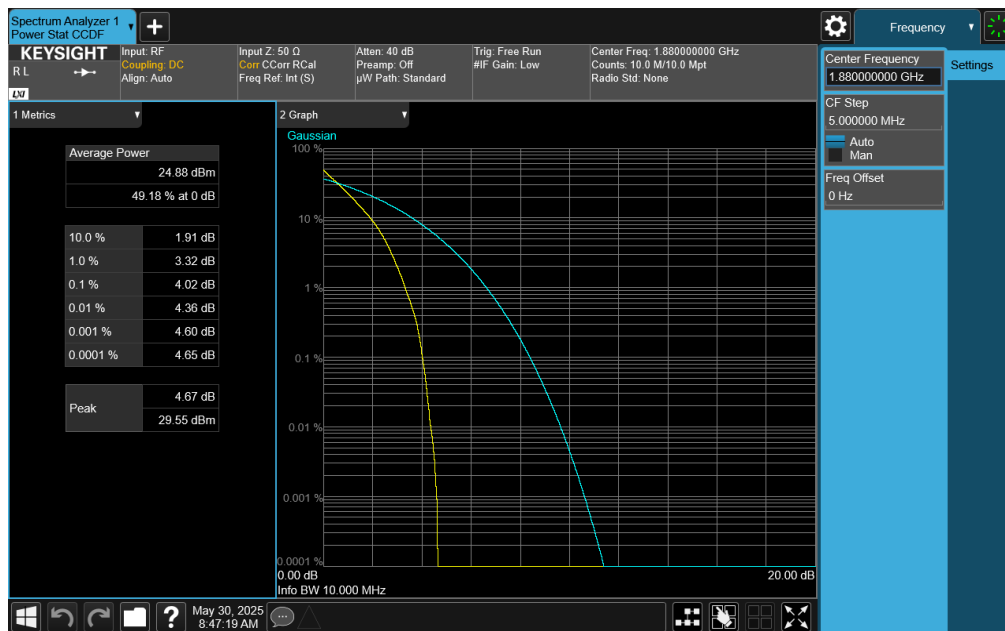
FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-301. PAR Plot (NR Band n2 - 5MHz DFT-s-OFDM 256-QAM - Full RB)

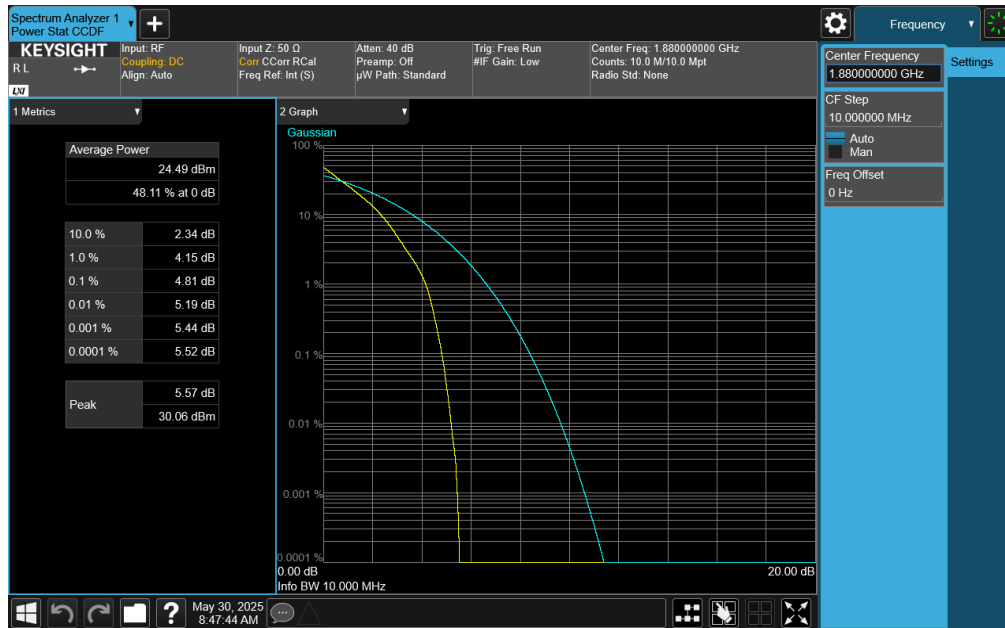


Plot 7-302. PAR Plot (NR Band n2 - 10MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

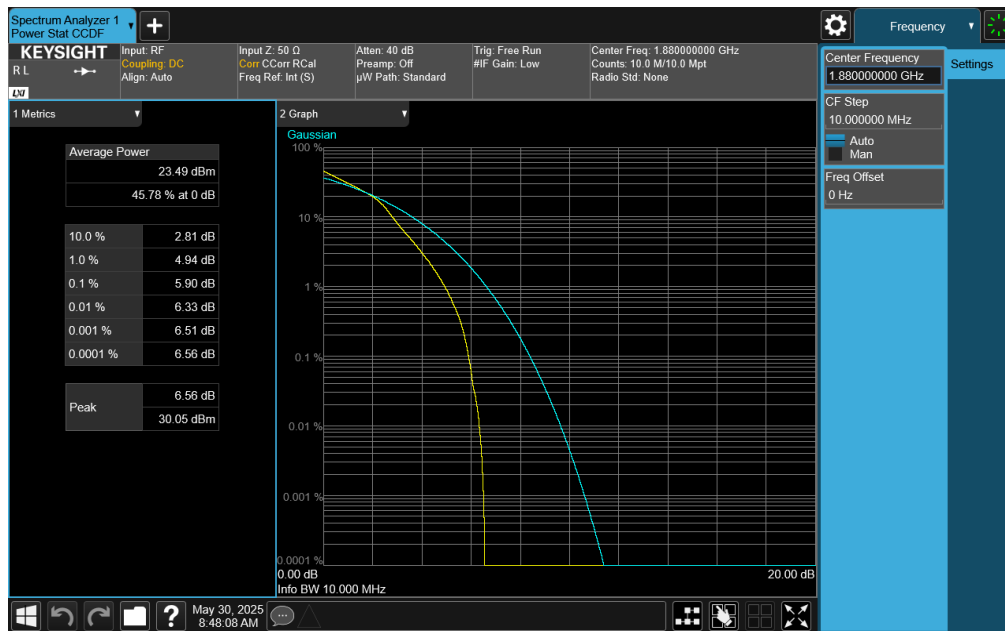
FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-303. PAR Plot (NR Band n2 - 10MHz DFT-s-OFDM QPSK - Full RB)

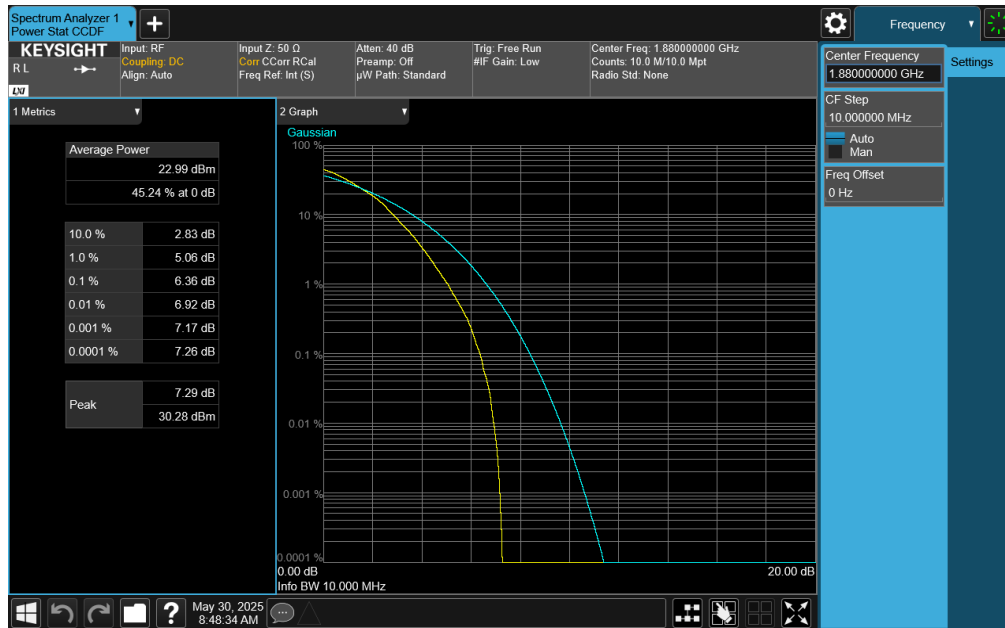


Plot 7-304. PAR Plot (NR Band n2 - 10MHz DFT-s-OFDM 16-QAM - Full RB)

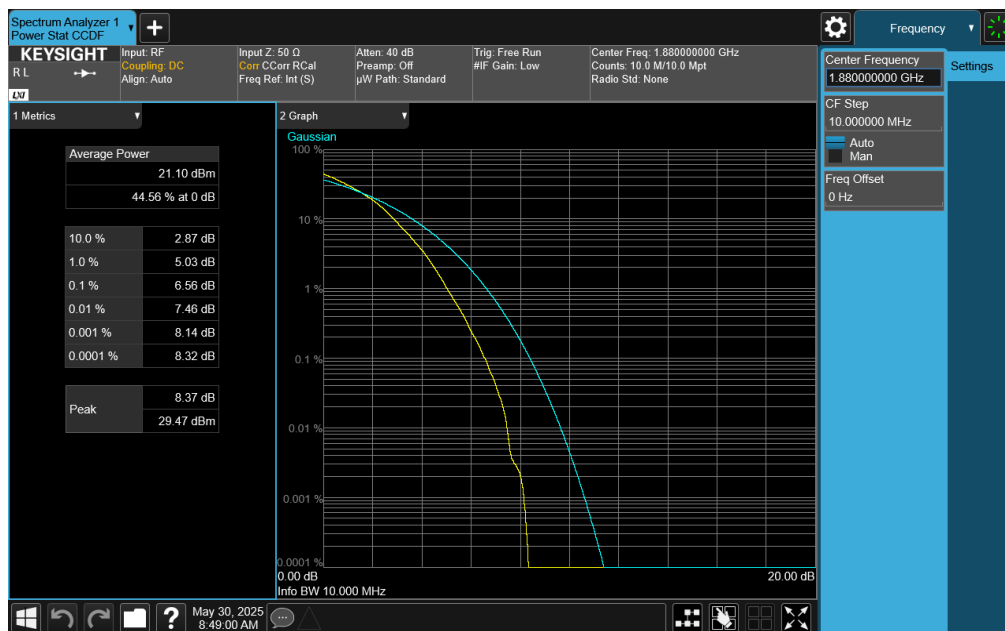
FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-305. PAR Plot (NR Band n2 - 10MHz DFT-s-OFDM 64-QAM - Full RB)

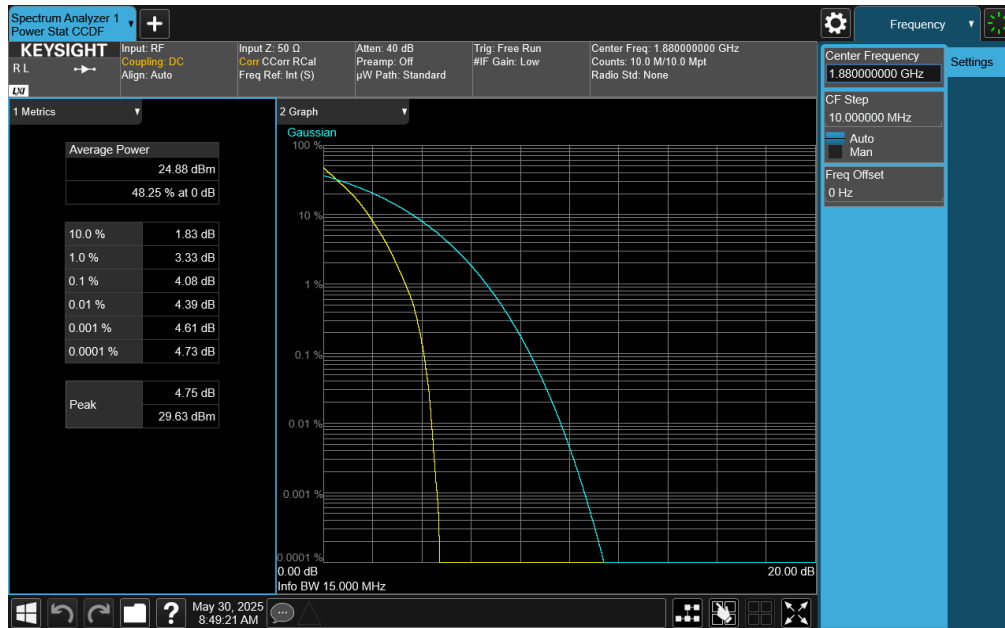


Plot 7-306. PAR Plot (NR Band n2 - 10MHz DFT-s-OFDM 256-QAM - Full RB)

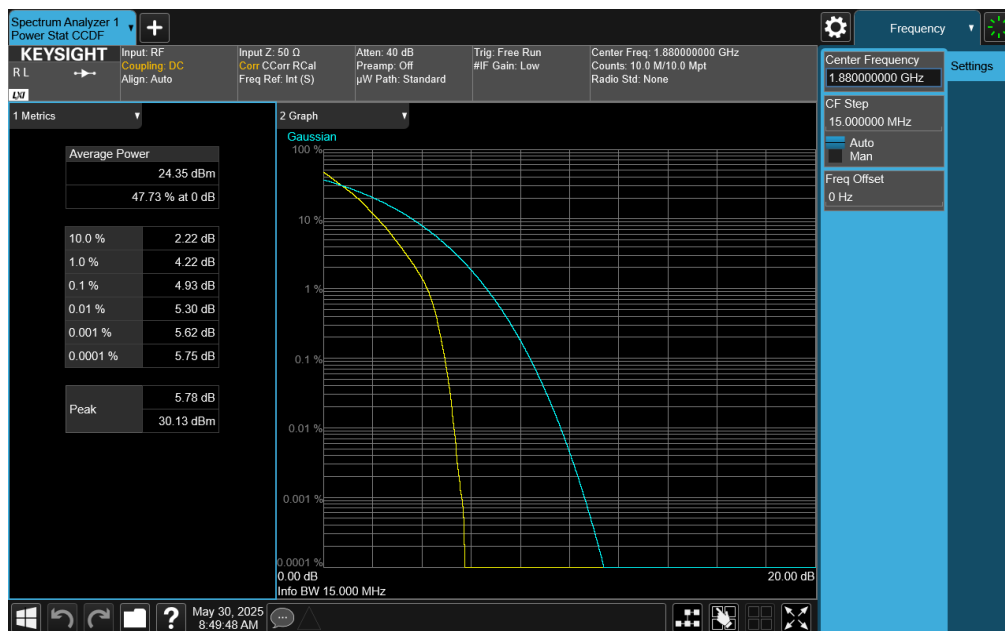
FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-307. PAR Plot (NR Band n2 - 15MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

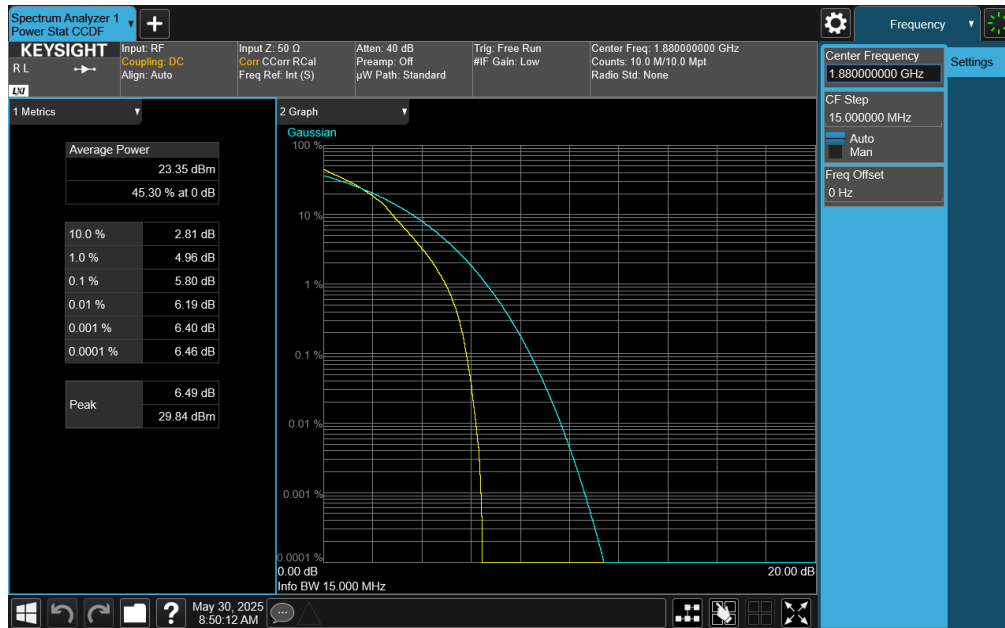


Plot 7-308. PAR Plot (NR Band n2 - 15MHz DFT-s-OFDM QPSK - Full RB)

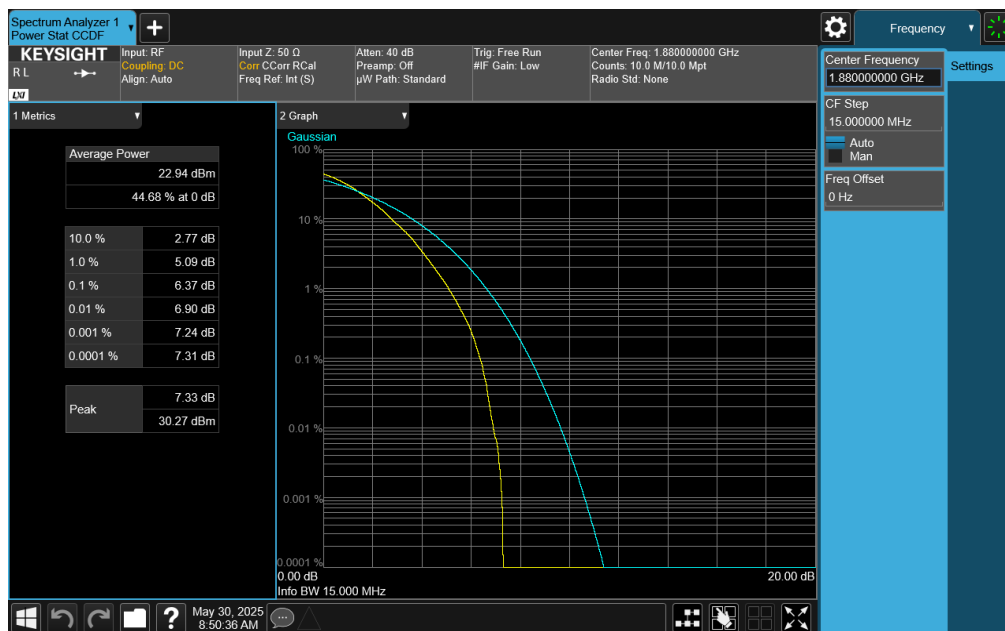
FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-309. PAR Plot (NR Band n2 - 15MHz DFT-s-OFDM 16-QAM - Full RB)

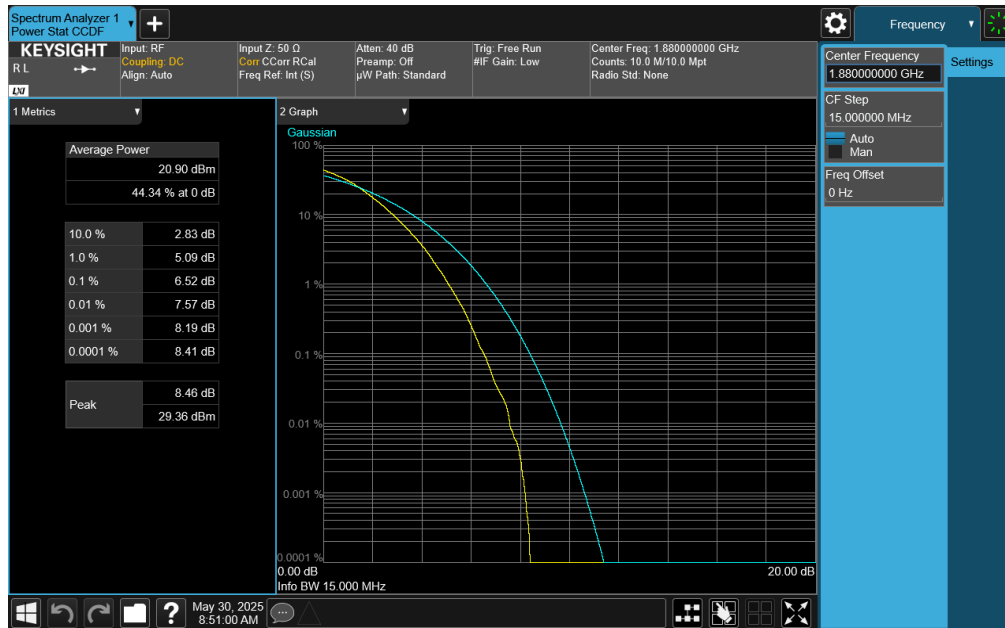


Plot 7-310. PAR Plot (NR Band n2 - 15MHz DFT-s-OFDM 64-QAM - Full RB)

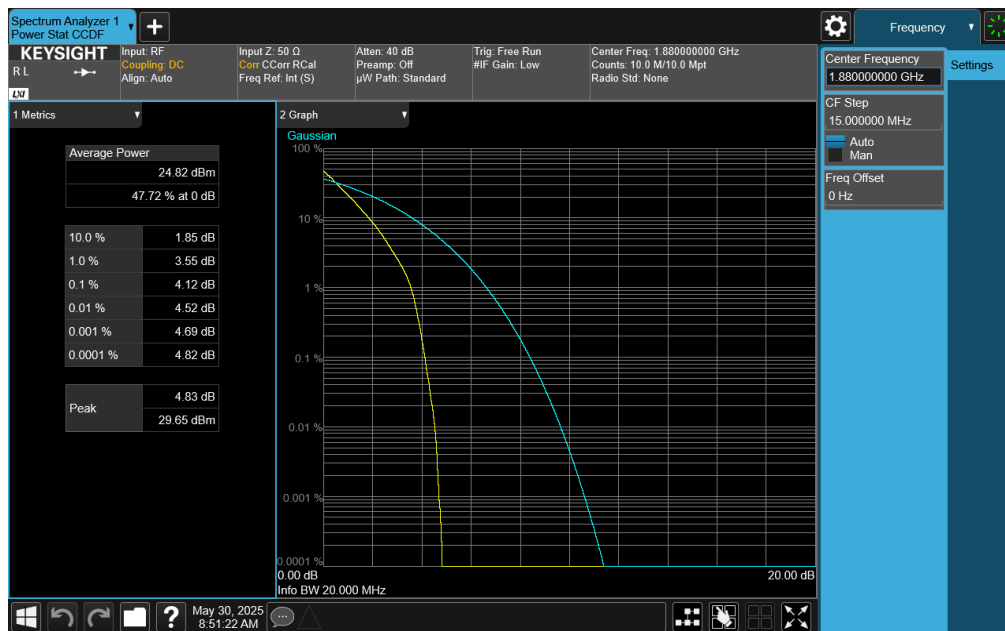
FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-311. PAR Plot (NR Band n2 - 15MHz DFT-s-OFDM 256-QAM - Full RB)

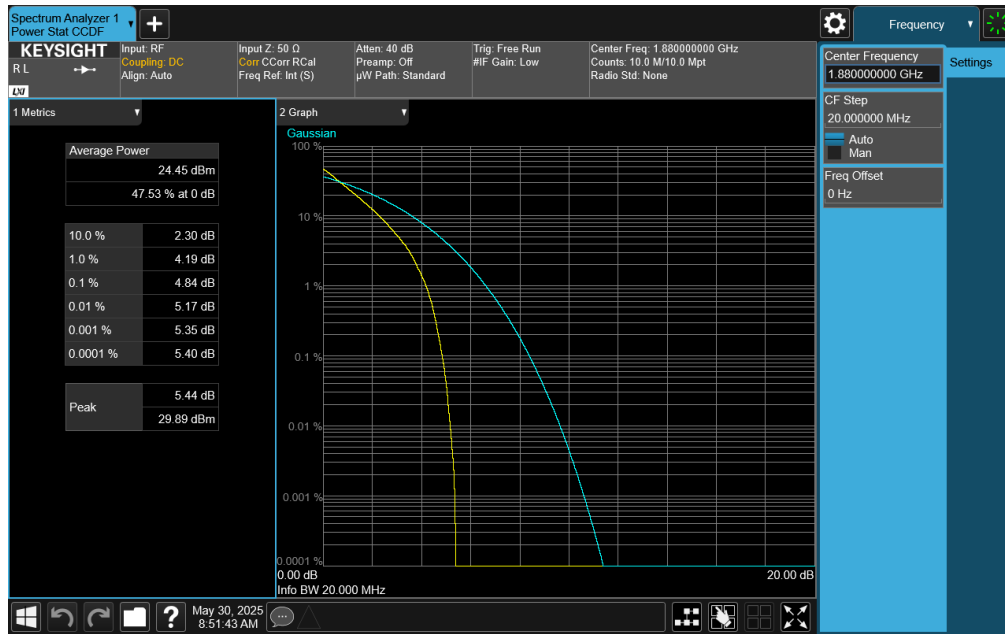


Plot 7-312. PAR Plot (NR Band n2 - 20MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

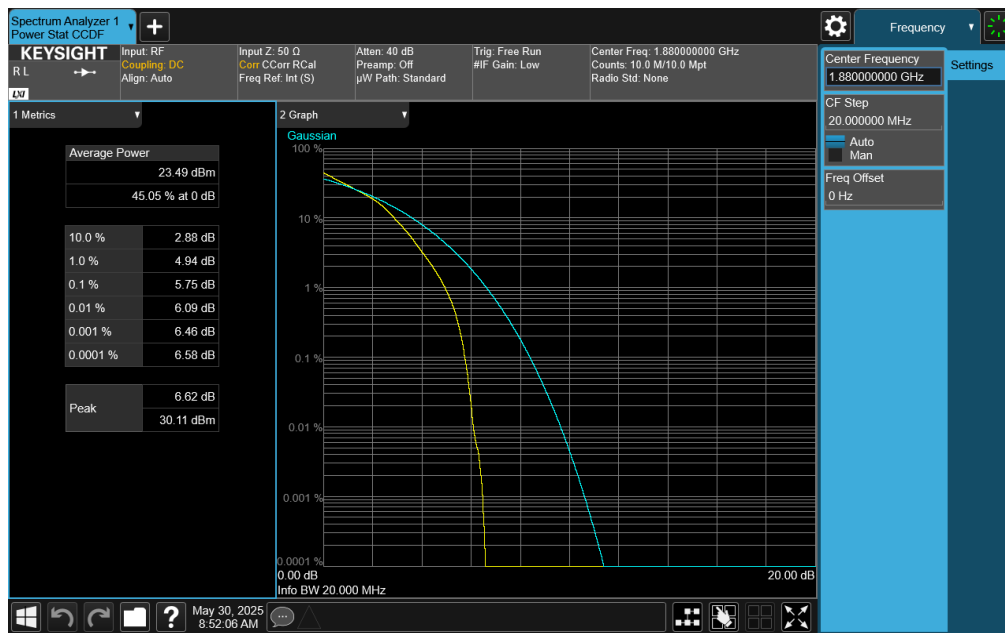
FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-313. PAR Plot (NR Band n2 - 20MHz DFT-s-OFDM QPSK - Full RB)

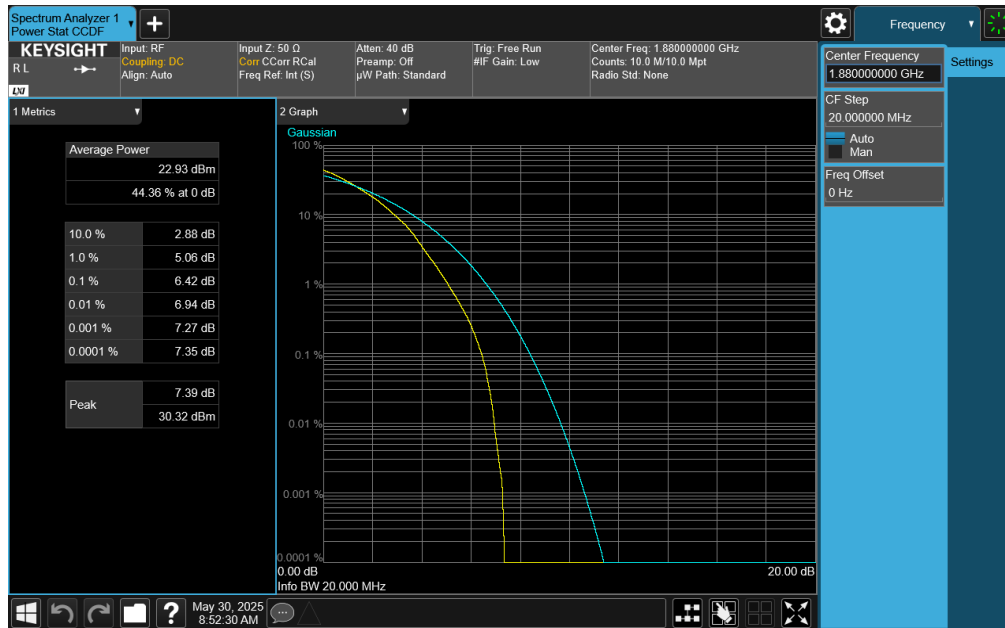


Plot 7-314. PAR Plot (NR Band n2 - 20MHz DFT-s-OFDM 16-QAM - Full RB)

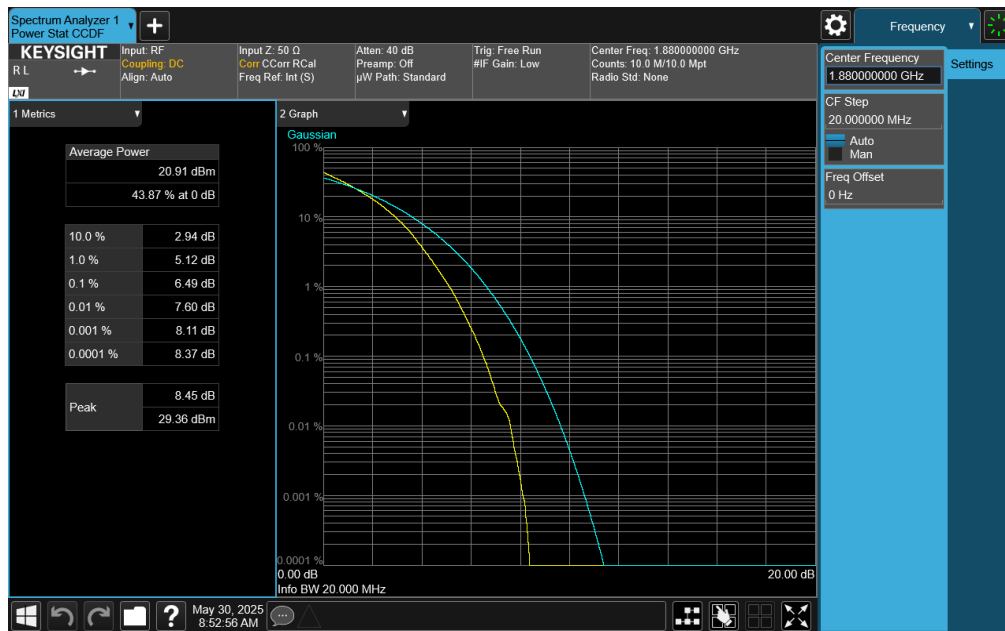
FCC ID: BCGA3358		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-315. PAR Plot (NR Band n2 - 20MHz DFT-s-OFDM 64-QAM - Full RB)

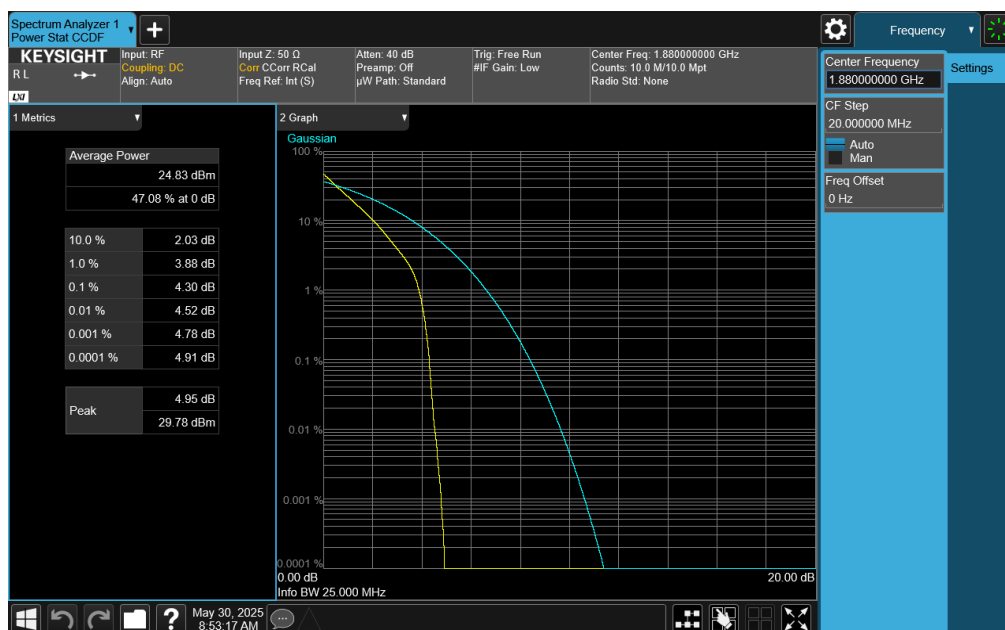


Plot 7-316. PAR Plot (NR Band n2 - 20MHz DFT-s-OFDM 256-QAM - Full RB)

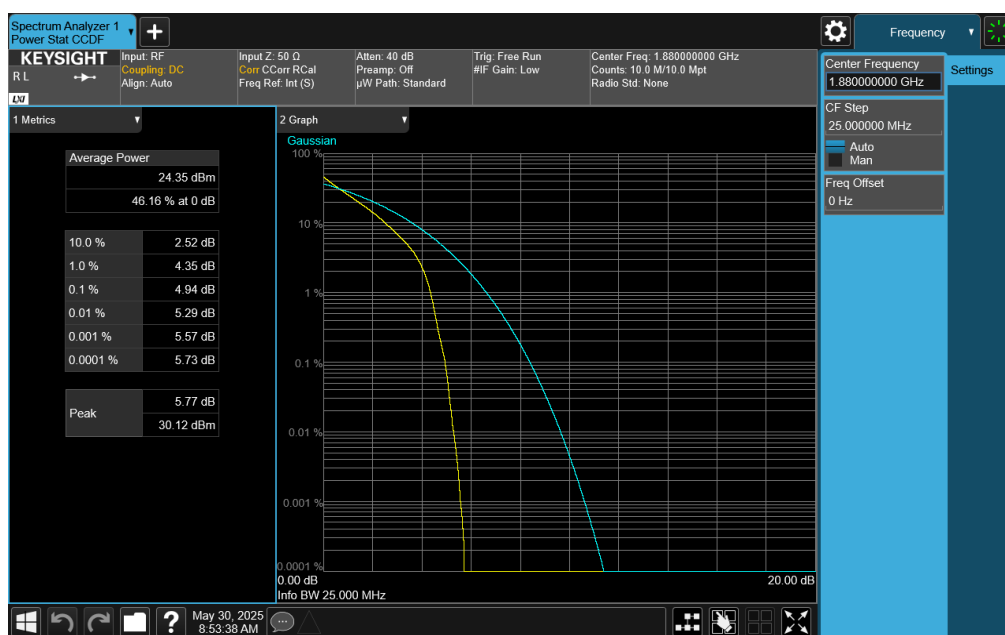
FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-317. PAR Plot (NR Band n2 - 25MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

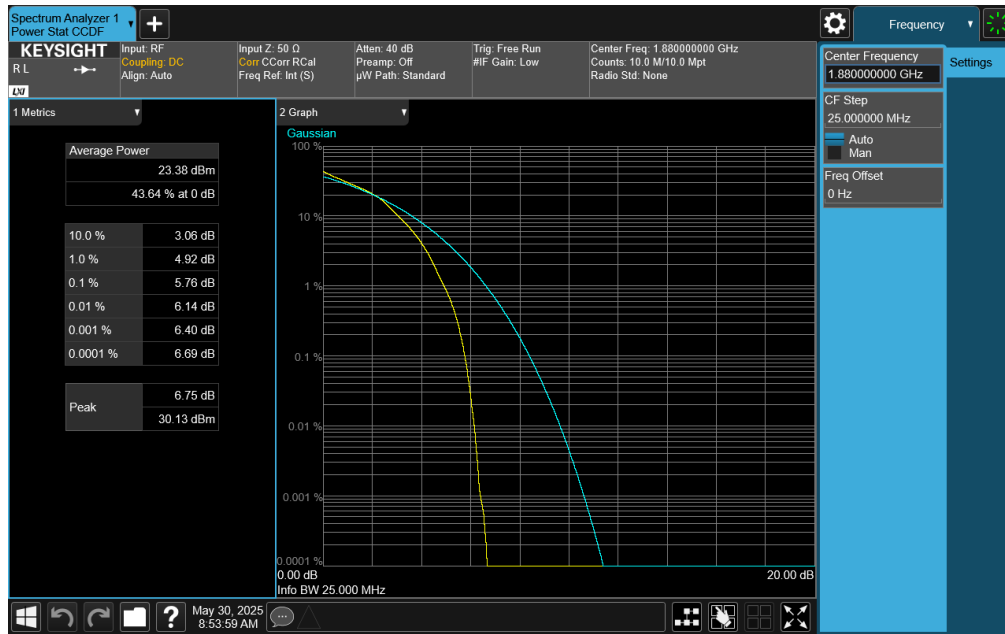


Plot 7-318. PAR Plot (NR Band n2 - 25MHz DFT-s-OFDM QPSK - Full RB)

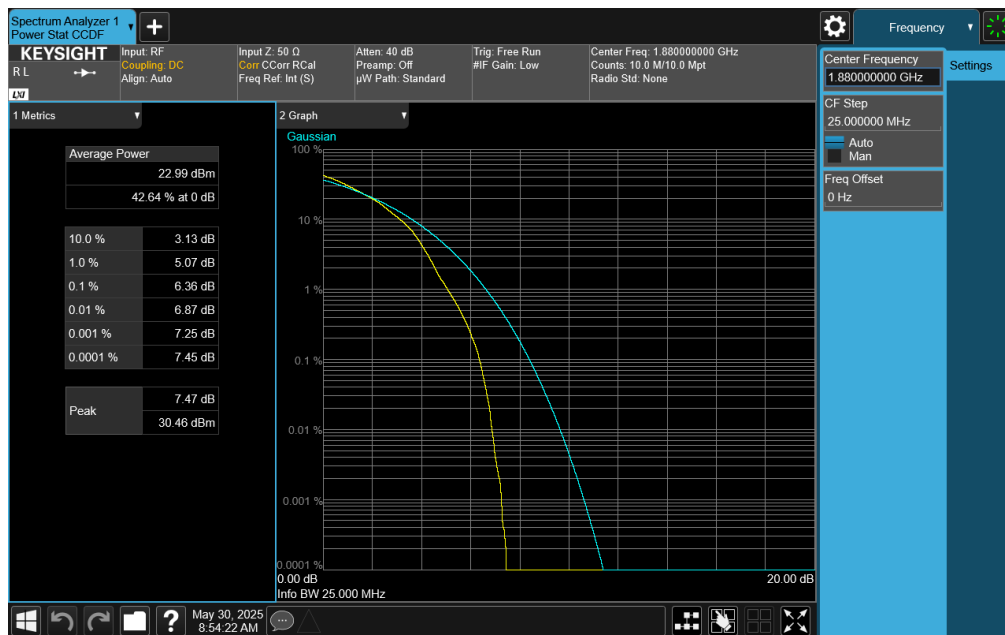
FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-319. PAR Plot (NR Band n2 - 25MHz DFT-s-OFDM 16-QAM - Full RB)

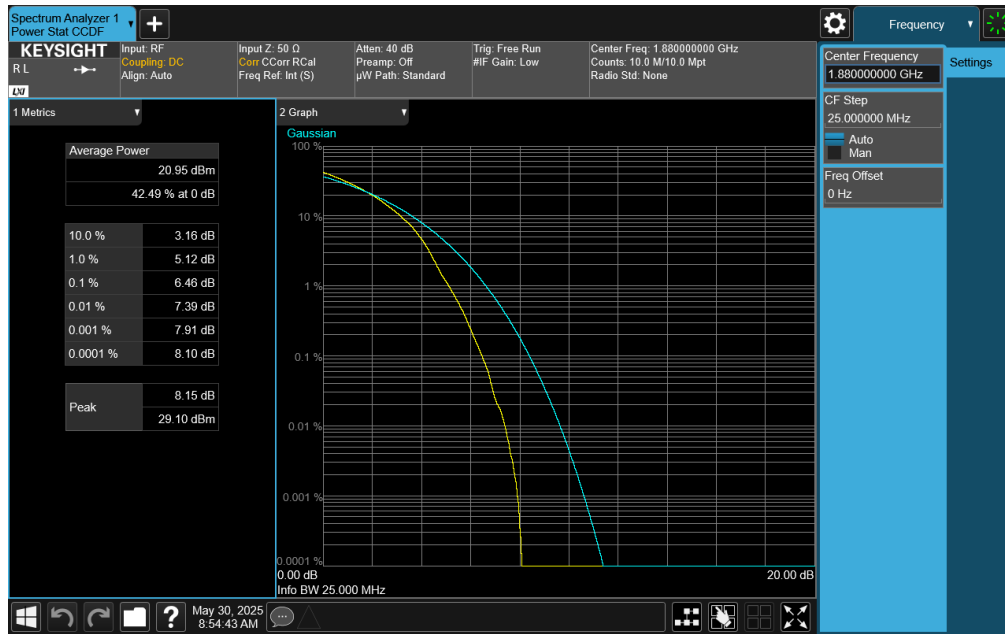


Plot 7-320. PAR Plot (NR Band n2 - 25MHz DFT-s-OFDM 64-QAM - Full RB)

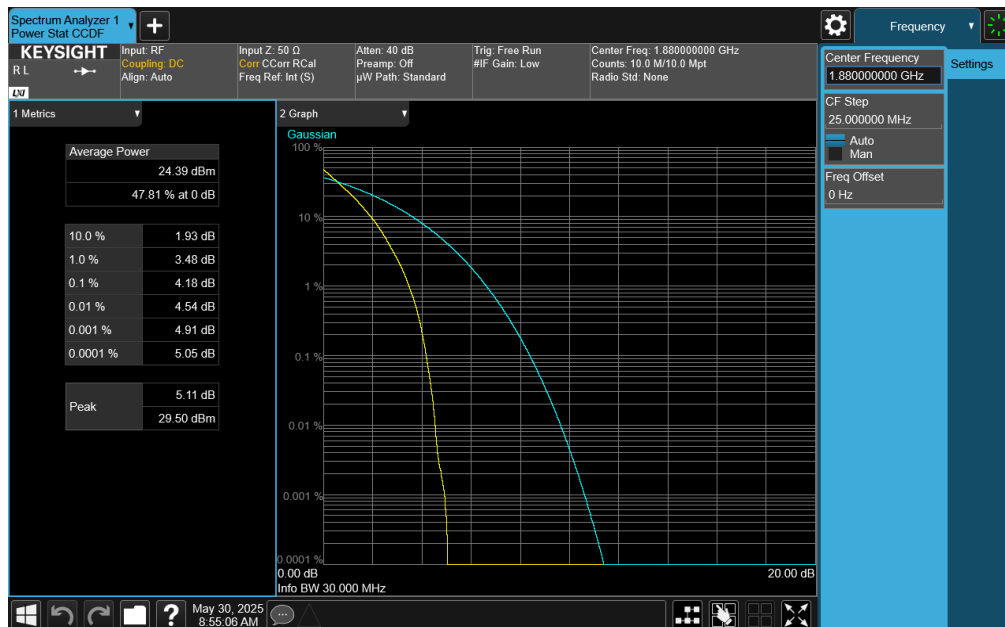
FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-321. PAR Plot (NR Band n2 - 25MHz DFT-s-OFDM 256-QAM - Full RB)

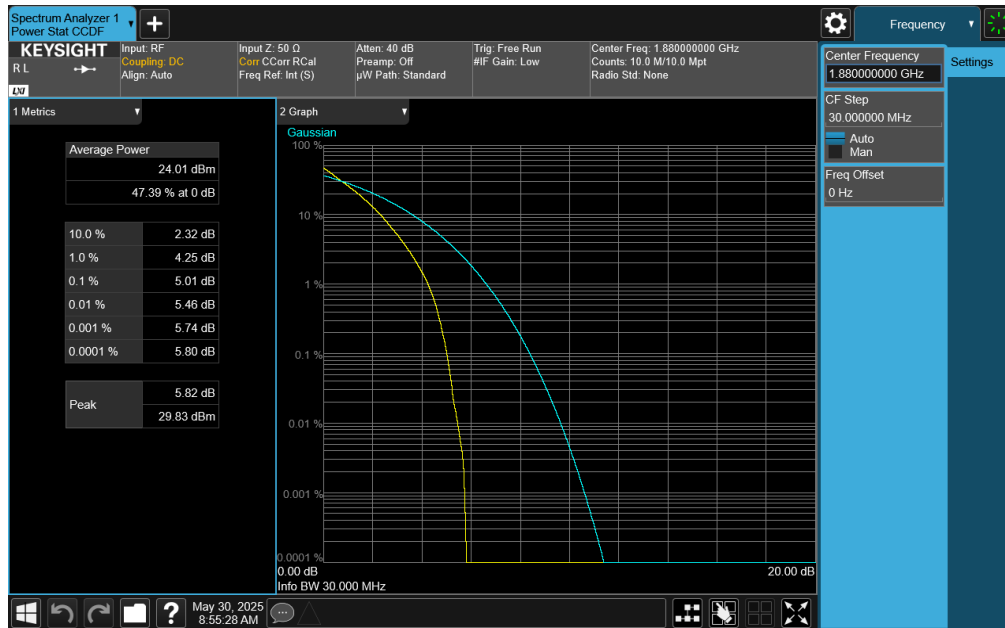


Plot 7-322. PAR Plot (NR Band n2 - 30MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

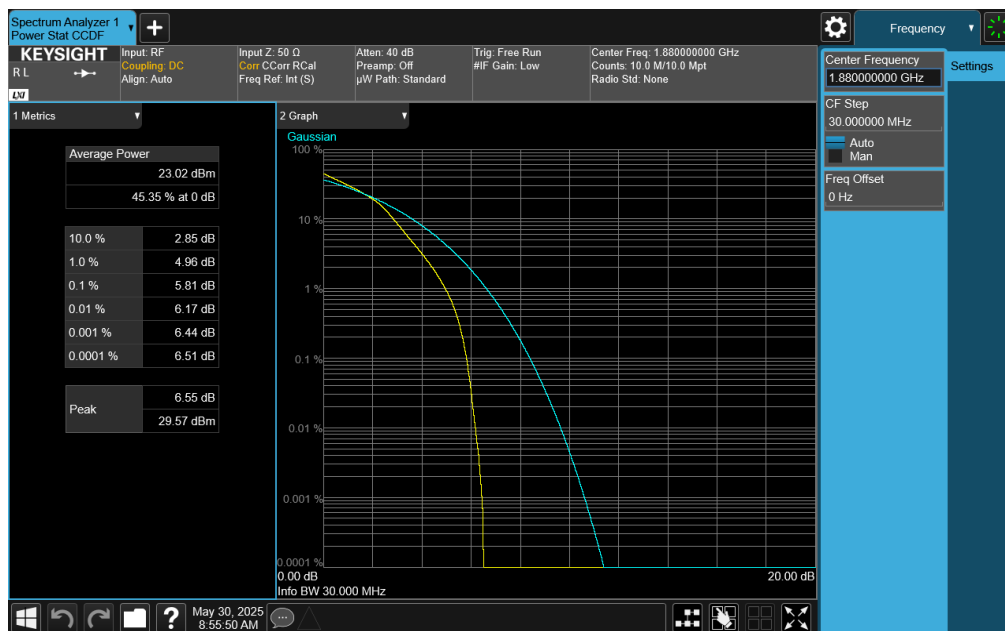
FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-323. PAR Plot (NR Band n2 - 30MHz DFT-s-OFDM QPSK - Full RB)

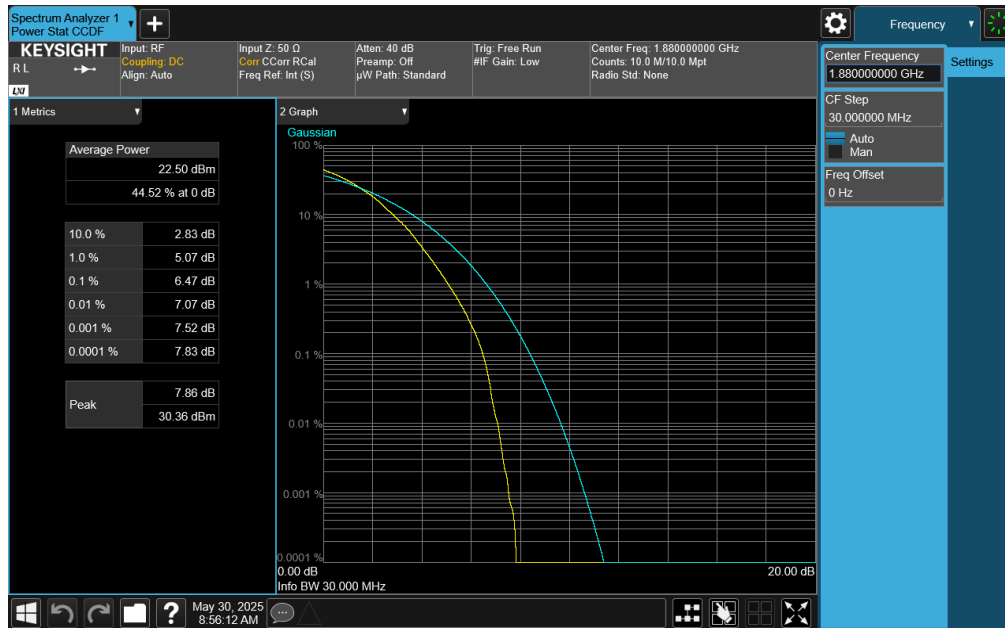


Plot 7-324. PAR Plot (NR Band n2 - 30MHz DFT-s-OFDM 16-QAM - Full RB)

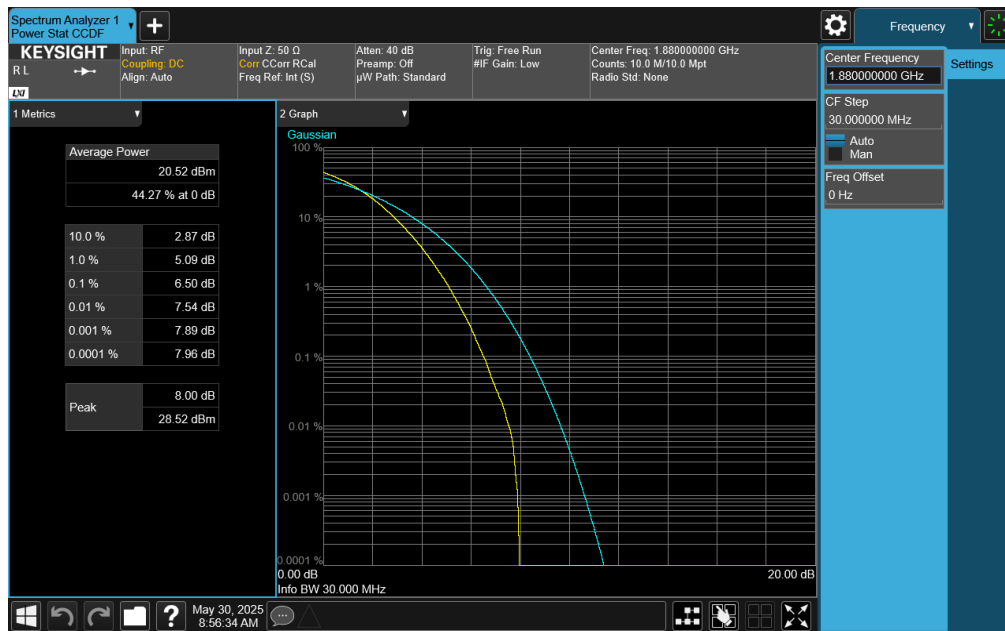
FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-08.BCG	Test Dates: 5/9/2025 - 6/20/2025	EUT Type: Tablet Device
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Plot 7-325. PAR Plot (NR Band n2 - 30MHz DFT-s-OFDM 64-QAM - Full RB)

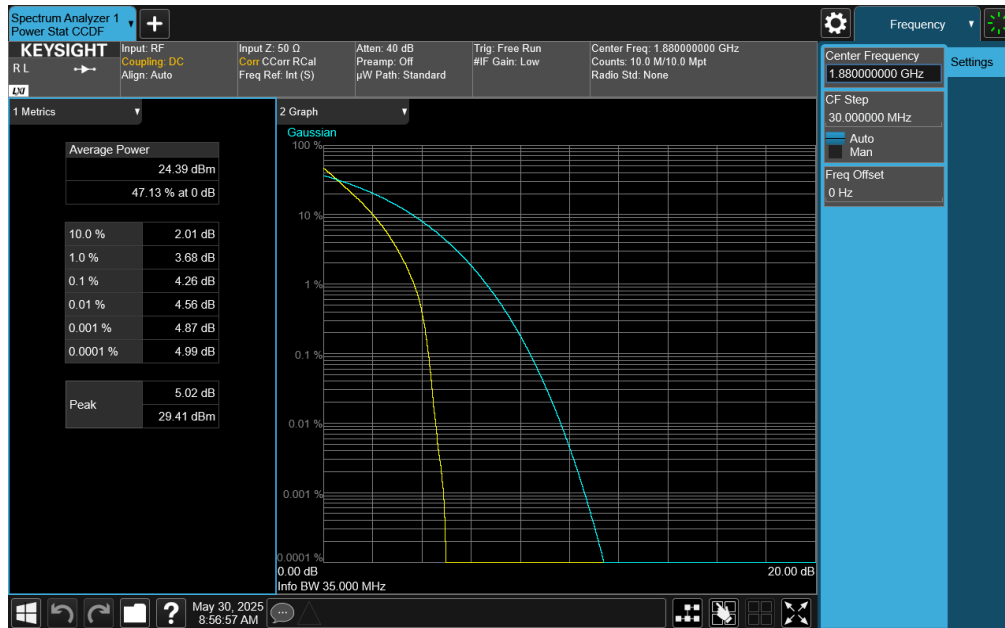


Plot 7-326. PAR Plot (NR Band n2 - 30MHz DFT-s-OFDM 256-QAM - Full RB)

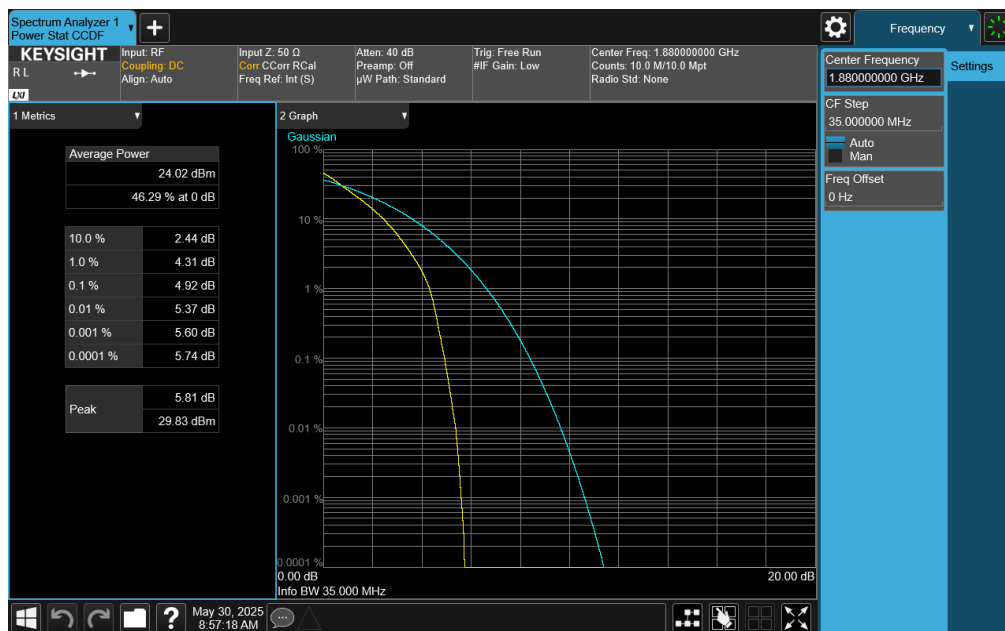
FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-327. PAR Plot (NR Band n2 - 35MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

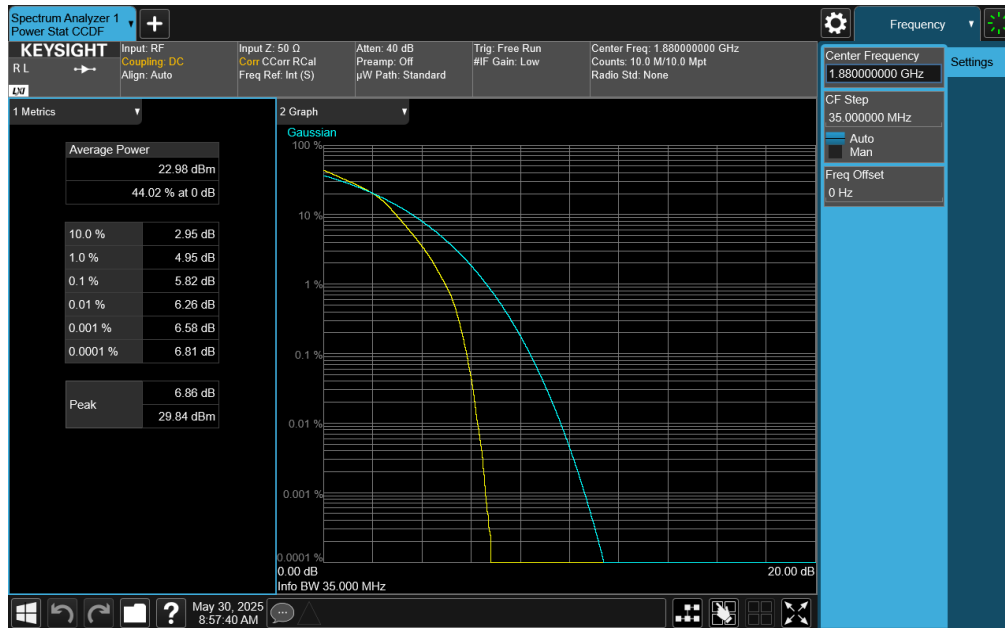


Plot 7-328. PAR Plot (NR Band n2 - 35MHz DFT-s-OFDM QPSK - Full RB)

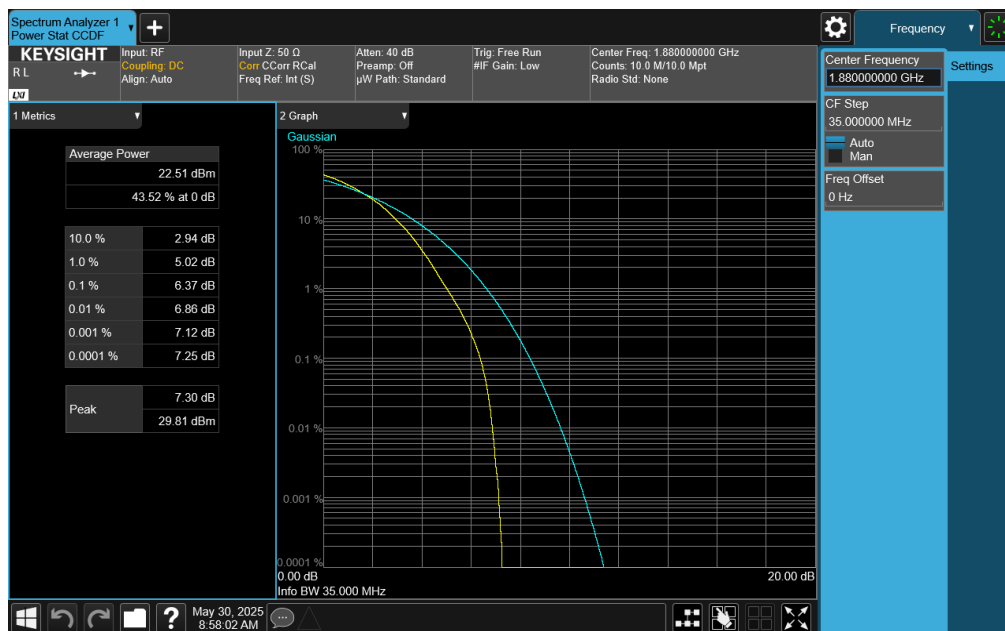
FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-08.BCG	Test Dates: 5/9/2025 - 6/20/2025	EUT Type: Tablet Device
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Plot 7-329. PAR Plot (NR Band n2 - 35MHz DFT-s-OFDM 16-QAM - Full RB)

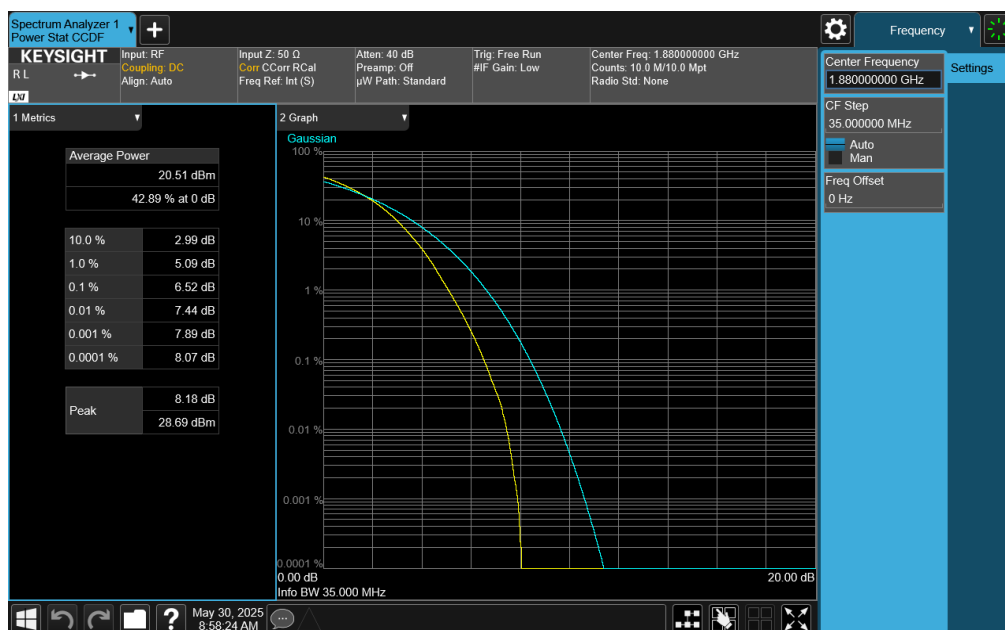


Plot 7-330. PAR Plot (NR Band n2 - 35MHz DFT-s-OFDM 64-QAM - Full RB)

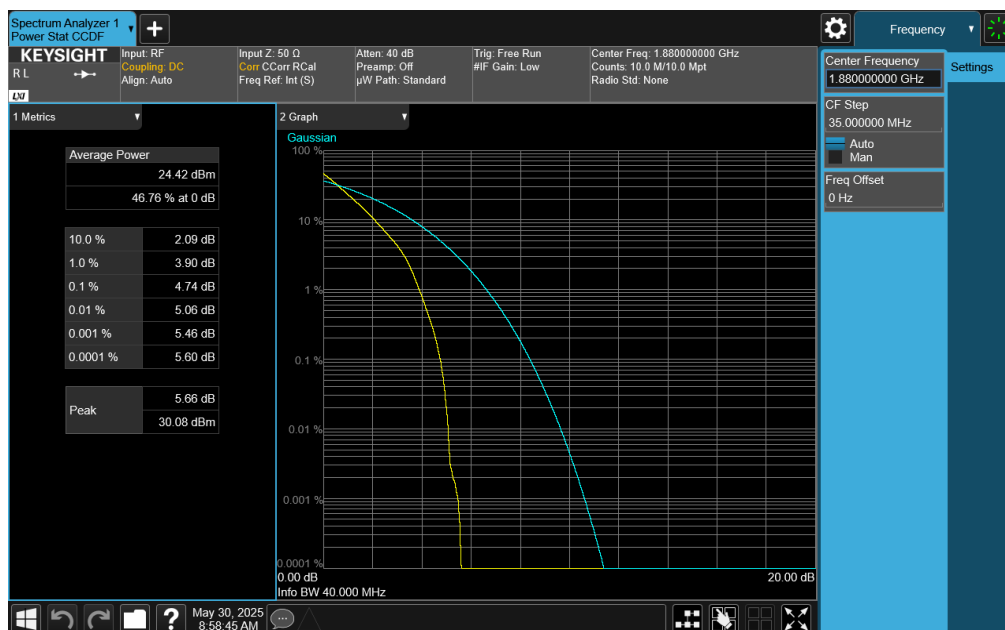
FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-08.BCG	Test Dates: 5/9/2025 - 6/20/2025	EUT Type: Tablet Device
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Plot 7-331. PAR Plot (NR Band n2 - 35MHz DFT-s-OFDM 256-QAM - Full RB)

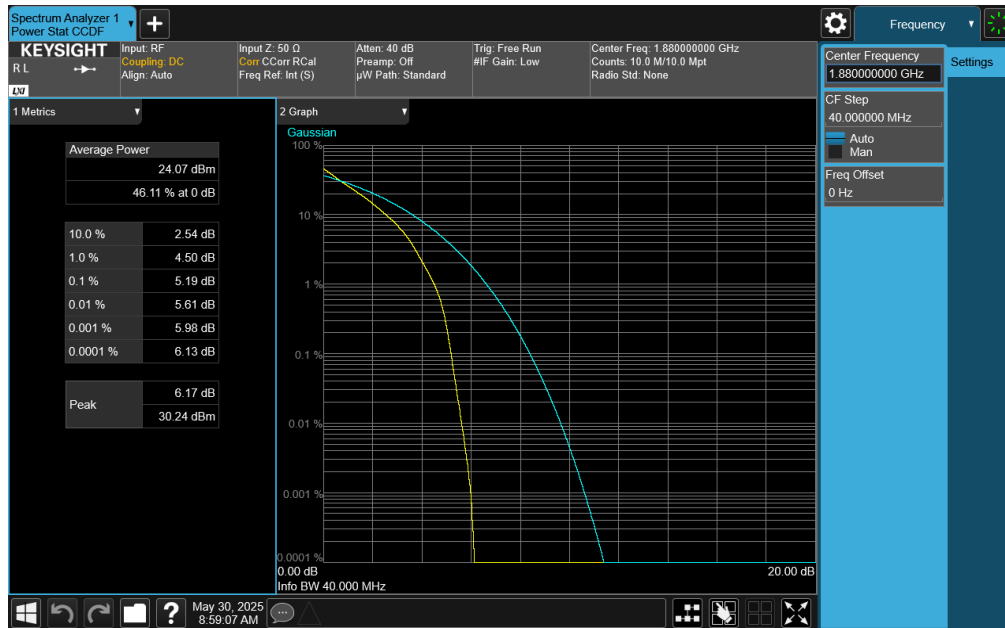


Plot 7-332. PAR Plot (NR Band n2 - 40MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

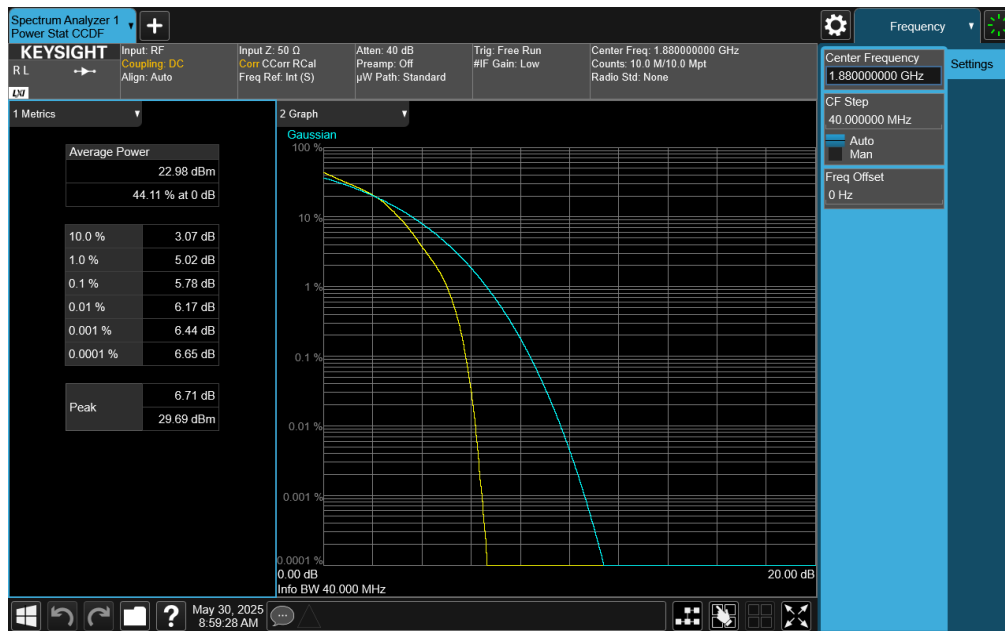
FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-333. PAR Plot (NR Band n2 - 40MHz DFT-s-OFDM QPSK - Full RB)

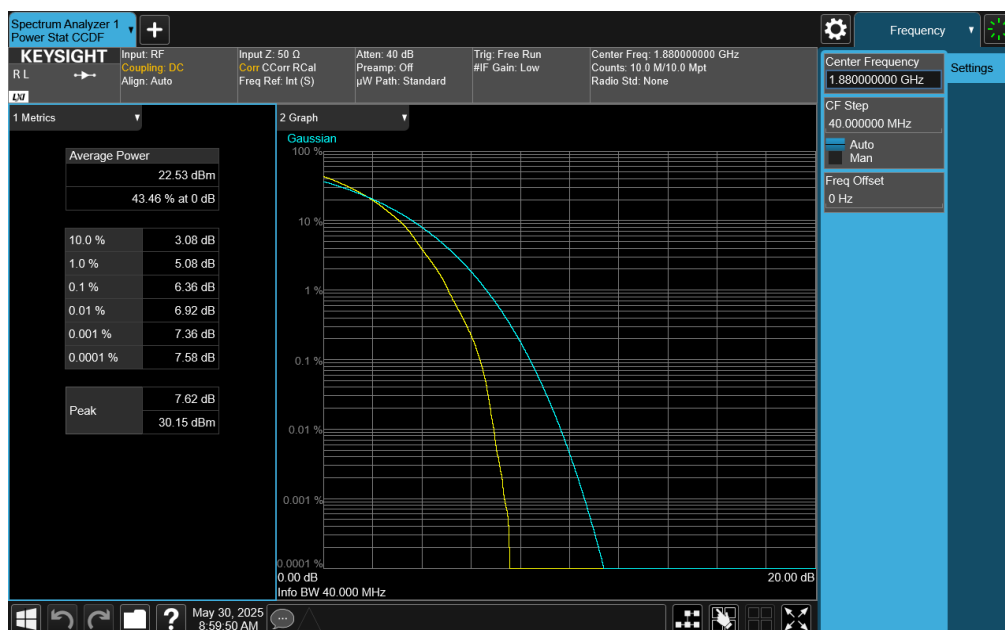


Plot 7-334. PAR Plot (NR Band n2 - 40MHz DFT-s-OFDM 16-QAM - Full RB)

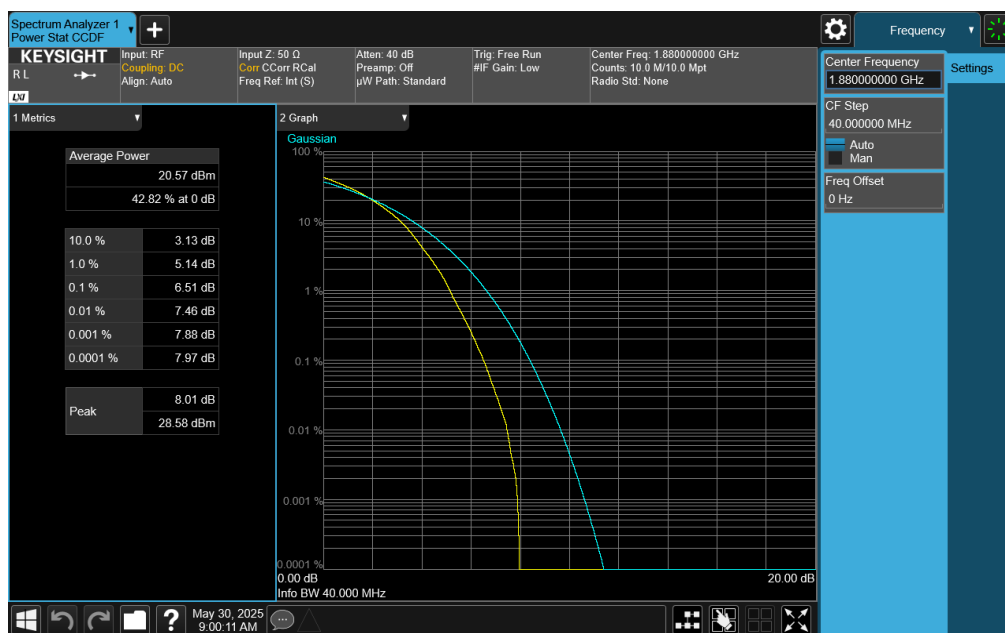
FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-335. PAR Plot (NR Band n2 - 40MHz DFT-s-OFDM 64-QAM - Full RB)



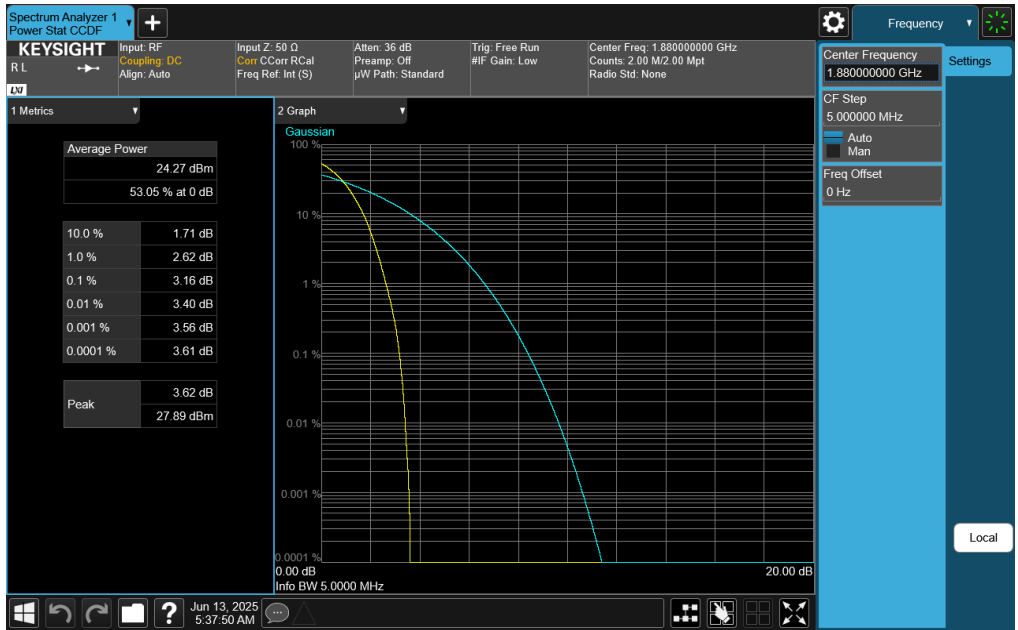
Plot 7-336. PAR Plot (NR Band n2 - 40MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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WCDMA PCS



Plot 7-337. PAR Plot (WCDMA, Ch. 9400)

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7.6 Radiated Power (EIRP)

§24.232(c)

Test Overview

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

Test Procedures Used

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

Test Settings

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

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

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.

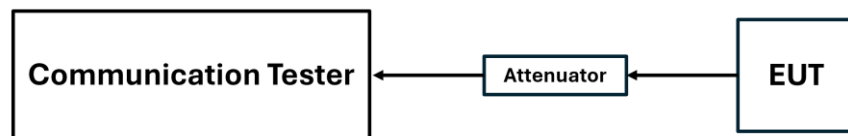


Figure 7-9. LTE Test Instrument & Measurement Setup

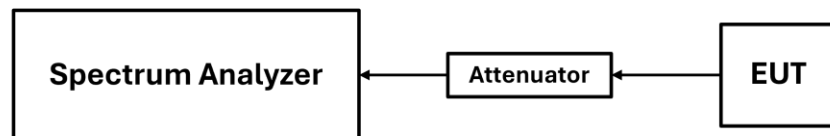


Figure 7-10. FR1 Test Instrument & Measurement Setup

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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. 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.
4. 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.
5. The Ant. Gains (GT) are listed in dBi.
6. 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".

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7.6.1 Antenna 4b – 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	-3.20	1 / 0	24.81	21.61	0.145	33.01	-11.40
		1882.5	-3.20	1 / 0	24.79	21.59	0.144	33.01	-11.42
		1914.3	-3.20	1 / 3	24.92	21.72	0.149	33.01	-11.29
	16-QAM	1914.3	-3.20	1 / 0	23.90	20.70	0.117	33.01	-12.31
	64-QAM	1914.3	-3.20	1 / 5	22.90	19.70	0.093	33.01	-13.31
	256-QAM	1914.3	-3.20	6 / 0	20.02	16.82	0.048	33.01	-16.19
3 MHz	QPSK	1851.5	-3.20	1 / 14	24.85	21.65	0.146	33.01	-11.36
		1882.5	-3.20	1 / 14	24.82	21.62	0.145	33.01	-11.39
		1913.5	-3.20	1 / 7	24.89	21.69	0.148	33.01	-11.32
	16-QAM	1913.5	-3.20	1 / 7	23.84	20.64	0.116	33.01	-12.37
	64-QAM	1913.5	-3.20	1 / 7	22.89	19.69	0.093	33.01	-13.32
	256-QAM	1913.5	-3.20	15 / 0	19.96	16.76	0.047	33.01	-16.25
5 MHz	QPSK	1852.5	-3.20	1 / 12	24.92	21.72	0.149	33.01	-11.29
		1882.5	-3.20	1 / 24	24.86	21.66	0.147	33.01	-11.35
		1912.5	-3.20	1 / 0	24.90	21.70	0.148	33.01	-11.31
	16-QAM	1852.5	-3.20	1 / 12	23.91	20.71	0.118	33.01	-12.30
	64-QAM	1912.5	-3.20	1 / 12	22.90	19.70	0.093	33.01	-13.31
	256-QAM	1882.5	-3.20	25 / 0	19.94	16.74	0.047	33.01	-16.27
10 MHz	QPSK	1855.0	-3.20	1 / 0	24.78	21.58	0.144	33.01	-11.43
		1882.5	-3.20	1 / 0	24.85	21.65	0.146	33.01	-11.36
		1910.0	-3.20	1 / 49	24.86	21.66	0.147	33.01	-11.35
	16-QAM	1855.0	-3.20	1 / 49	23.93	20.73	0.118	33.01	-12.28
	64-QAM	1910.0	-3.20	1 / 0	22.93	19.73	0.094	33.01	-13.28
	256-QAM	1855.0	-3.20	50 / 0	19.98	16.78	0.048	33.01	-16.23
15 MHz	QPSK	1857.5	-3.20	1 / 37	24.87	21.67	0.147	33.01	-11.34
		1882.5	-3.20	1 / 37	24.92	21.72	0.149	33.01	-11.29
		1907.5	-3.20	1 / 74	24.84	21.64	0.146	33.01	-11.37
	16-QAM	1882.5	-3.20	1 / 0	23.91	20.71	0.118	33.01	-12.30
	64-QAM	1882.5	-3.20	1 / 37	22.90	19.70	0.093	33.01	-13.31
	256-QAM	1882.5	-3.20	75 / 0	20.00	16.80	0.048	33.01	-16.21
	QPSK	1860.0	-3.20	1 / 0	24.82	21.62	0.145	33.01	-11.39
		1882.5	-3.20	1 / 0	24.91	21.71	0.148	33.01	-11.30
		1905.0	-3.20	1 / 99	24.88	21.68	0.147	33.01	-11.33
	16-QAM	1905.0	-3.20	1 / 50	23.91	20.71	0.118	33.01	-12.30
	64-QAM	1882.5	-3.20	1 / 99	22.97	19.77	0.095	33.01	-13.24
	256-QAM	1905.0	-3.20	100 / 0	20.04	16.84	0.048	33.01	-16.17

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

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LTE Band 2

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1850.7	-3.20	1 / 0	24.74	21.54	0.143	33.01	-11.47
		1880.0	-3.20	1 / 3	25.01	21.81	0.152	33.01	-11.20
		1909.3	-3.20	1 / 0	24.94	21.74	0.149	33.01	-11.27
	16-QAM	1880.0	-3.20	1 / 3	24.02	20.82	0.121	33.01	-12.19
	64-QAM	1880.0	-3.20	1 / 3	22.98	19.78	0.095	33.01	-13.23
	256-QAM	1880.0	-3.20	6 / 0	20.09	16.89	0.049	33.01	-16.12
3 MHz	QPSK	1851.5	-3.20	1 / 7	25.01	21.81	0.152	33.01	-11.20
		1880.0	-3.20	1 / 14	24.92	21.72	0.149	33.01	-11.29
		1908.5	-3.20	1 / 7	24.80	21.60	0.145	33.01	-11.41
	16-QAM	1908.5	-3.20	1 / 0	24.02	20.82	0.121	33.01	-12.19
	64-QAM	1851.5	-3.20	1 / 0	22.95	19.75	0.094	33.01	-13.26
	256-QAM	1880.0	-3.20	15 / 0	20.12	16.92	0.049	33.01	-16.09
5 MHz	QPSK	1852.5	-3.20	1 / 12	24.74	21.54	0.143	33.01	-11.47
		1880.0	-3.20	1 / 0	24.76	21.56	0.143	33.01	-11.45
		1907.5	-3.20	1 / 0	25.01	21.81	0.152	33.01	-11.20
	16-QAM	1880.0	-3.20	1 / 24	23.85	20.65	0.116	33.01	-12.36
	64-QAM	1907.5	-3.20	1 / 12	23.01	19.81	0.096	33.01	-13.20
	256-QAM	1852.5	-3.20	25 / 0	20.08	16.88	0.049	33.01	-16.13
10 MHz	QPSK	1855.0	-3.20	1 / 0	24.83	21.63	0.146	33.01	-11.38
		1880.0	-3.20	1 / 0	24.85	21.65	0.146	33.01	-11.36
		1905.0	-3.20	1 / 0	24.79	21.59	0.144	33.01	-11.42
	16-QAM	1880.0	-3.20	1 / 49	23.96	20.76	0.119	33.01	-12.25
	64-QAM	1905.0	-3.20	1 / 49	23.02	19.82	0.096	33.01	-13.19
	256-QAM	1880.0	-3.20	50 / 0	20.12	16.92	0.049	33.01	-16.09
15 MHz	QPSK	1857.5	-3.20	1 / 0	24.95	21.75	0.150	33.01	-11.26
		1880.0	-3.20	1 / 0	24.96	21.76	0.150	33.01	-11.25
		1902.5	-3.20	1 / 0	25.00	21.80	0.151	33.01	-11.21
	16-QAM	1857.5	-3.20	1 / 37	23.97	20.77	0.119	33.01	-12.24
	64-QAM	1857.5	-3.20	1 / 74	22.93	19.73	0.094	33.01	-13.28
	256-QAM	1902.5	-3.20	75 / 0	20.09	16.89	0.049	33.01	-16.12
20 MHz	QPSK	1860.0	-3.20	1 / 99	24.94	21.74	0.149	33.01	-11.27
		1880.0	-3.20	1 / 0	24.87	21.67	0.147	33.01	-11.34
		1900.0	-3.20	1 / 0	24.96	21.76	0.150	33.01	-11.25
	16-QAM	1880.0	-3.20	1 / 50	23.97	20.77	0.119	33.01	-12.24
	64-QAM	1860.0	-3.20	1 / 50	22.98	19.78	0.095	33.01	-13.23
	256-QAM	1860.0	-3.20	100 / 0	20.10	16.90	0.049	33.01	-16.11

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

FCC ID: BCGA3358		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n25

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1852.5	-3.20	25 / 0	24.82	21.62	0.145	33.01	-11.39
		1882.5	-3.20	25 / 0	24.97	21.77	0.150	33.01	-11.24
		1912.5	-3.20	25 / 0	24.86	21.66	0.146	33.01	-11.35
	QPSK	1852.5	-3.20	1 / 23	24.84	21.64	0.146	33.01	-11.37
		1882.5	-3.20	1 / 23	24.94	21.74	0.149	33.01	-11.27
		1912.5	-3.20	1 / 1	24.85	21.65	0.146	33.01	-11.36
	16-QAM	1882.5	-3.20	1 / 1	23.74	20.54	0.113	33.01	-12.47
	64-QAM	1882.5	-3.20	25 / 0	23.10	19.90	0.098	33.01	-13.11
	256-QAM	1882.5	-3.20	25 / 0	21.02	17.82	0.060	33.01	-15.19
10 MHz	π/2 BPSK	1855.0	-3.20	50 / 0	24.93	21.73	0.149	33.01	-11.28
		1882.5	-3.20	50 / 0	25.01	21.81	0.152	33.01	-11.21
		1910.0	-3.20	50 / 0	25.04	21.84	0.153	33.01	-11.17
	QPSK	1855.0	-3.20	1 / 1	24.92	21.72	0.148	33.01	-11.29
		1882.5	-3.20	1 / 25	24.93	21.73	0.149	33.01	-11.28
		1910.0	-3.20	1 / 1	24.87	21.67	0.147	33.01	-11.34
	16-QAM	1910.0	-3.20	1 / 25	23.76	20.56	0.114	33.01	-12.45
	64-QAM	1882.5	-3.20	50 / 0	23.02	19.82	0.096	33.01	-13.19
	256-QAM	1910.0	-3.20	50 / 0	21.08	17.88	0.061	33.01	-15.13
15 MHz	π/2 BPSK	1857.5	-3.20	75 / 0	24.86	21.66	0.147	33.01	-11.35
		1882.5	-3.20	75 / 0	24.91	21.71	0.148	33.01	-11.30
		1907.5	-3.20	75 / 0	24.91	21.71	0.148	33.01	-11.30
	QPSK	1857.5	-3.20	1 / 1	24.82	21.62	0.145	33.01	-11.39
		1882.5	-3.20	1 / 36	24.86	21.66	0.147	33.01	-11.35
		1907.5	-3.20	1 / 36	24.84	21.64	0.146	33.01	-11.37
	16-QAM	1857.5	-3.20	1 / 36	23.66	20.46	0.111	33.01	-12.55
	64-QAM	1907.5	-3.20	75 / 0	22.96	19.76	0.095	33.01	-13.25
	256-QAM	1882.5	-3.20	75 / 0	20.94	17.74	0.059	33.01	-15.27
20 MHz	π/2 BPSK	1860.0	-3.20	100 / 0	24.79	21.59	0.144	33.01	-11.42
		1882.5	-3.20	100 / 0	24.93	21.73	0.149	33.01	-11.28
		1905.0	-3.20	100 / 0	24.88	21.68	0.147	33.01	-11.33
	QPSK	1860.0	-3.20	1 / 50	24.74	21.54	0.142	33.01	-11.47
		1882.5	-3.20	1 / 1	24.82	21.62	0.145	33.01	-11.39
		1905.0	-3.20	1 / 1	24.81	21.61	0.145	33.01	-11.40
	16-QAM	1905.0	-3.20	1 / 1	23.65	20.45	0.111	33.01	-12.57
	64-QAM	1882.5	-3.20	100 / 0	22.98	19.78	0.095	33.01	-13.23
	256-QAM	1882.5	-3.20	100 / 0	20.97	17.77	0.060	33.01	-15.24
25 MHz	π/2 BPSK	1862.5	-3.20	128 / 0	24.76	21.56	0.143	33.01	-11.45
		1882.5	-3.20	128 / 0	24.95	21.75	0.150	33.01	-11.26
		1902.5	-3.20	128 / 0	24.92	21.72	0.149	33.01	-11.29
	QPSK	1862.5	-3.20	1 / 64	24.79	21.59	0.144	33.01	-11.43
		1882.5	-3.20	1 / 64	24.84	21.64	0.146	33.01	-11.37
		1902.5	-3.20	1 / 64	24.75	21.55	0.143	33.01	-11.46
	16-QAM	1882.5	-3.20	1 / 64	23.64	20.44	0.111	33.01	-12.57
	64-QAM	1882.5	-3.20	128 / 0	23.01	19.81	0.096	33.01	-13.20
	256-QAM	1882.5	-3.20	128 / 0	21.02	17.82	0.061	33.01	-15.19
30 MHz	π/2 BPSK	1865.0	-3.20	1 / 158	24.80	21.60	0.145	33.01	-11.41
		1882.5	-3.20	160 / 0	24.95	21.75	0.150	33.01	-11.26
		1900.0	-3.20	160 / 0	24.96	21.76	0.150	33.01	-11.25
	QPSK	1865.0	-3.20	1 / 158	24.90	21.70	0.148	33.01	-11.31
		1882.5	-3.20	1 / 1	24.95	21.75	0.150	33.01	-11.26
		1900.0	-3.20	1 / 80	24.88	21.68	0.147	33.01	-11.33
	16-QAM	1900.0	-3.20	1 / 1	23.73	20.53	0.113	33.01	-12.48
	64-QAM	1882.5	-3.20	160 / 0	22.98	19.78	0.095	33.01	-13.23
	256-QAM	1882.5	-3.20	160 / 0	20.95	17.75	0.060	33.01	-15.26
35 MHz	π/2 BPSK	1867.5	-3.20	1 / 93	24.90	21.70	0.148	33.01	-11.31
		1882.5	-3.20	180 / 0	24.92	21.72	0.149	33.01	-11.29
		1897.5	-3.20	180 / 0	24.94	21.74	0.149	33.01	-11.27
	QPSK	1867.5	-3.20	1 / 1	24.66	21.46	0.140	33.01	-11.55
		1882.5	-3.20	1 / 1	24.76	21.56	0.143	33.01	-11.45
		1897.5	-3.20	1 / 1	24.85	21.65	0.146	33.01	-11.36
	16-QAM	1897.5	-3.20	1 / 1	23.69	20.49	0.112	33.01	-12.52
	64-QAM	1897.5	-3.20	1 / 186	24.94	21.74	0.149	33.01	-11.27
	256-QAM	1882.5	-3.20	1 / 186	24.48	21.28	0.134	33.01	-11.73
40 MHz	π/2 BPSK	1870.0	-3.20	1 / 214	24.99	21.79	0.151	33.01	-11.22
		1882.5	-3.20	216 / 0	24.94	21.74	0.149	33.01	-11.27
		1895.0	-3.20	216 / 0	24.98	21.78	0.151	33.01	-11.23
	QPSK	1870.0	-3.20	1 / 214	25.04	21.84	0.153	33.01	-11.17
		1882.5	-3.20	1 / 214	24.90	21.70	0.148	33.01	-11.31
		1895.0	-3.20	1 / 108	25.03	21.83	0.152	33.01	-11.18
	16-QAM	1882.5	-3.20	1 / 108	23.70	20.50	0.112	33.01	-12.51
	64-QAM	1895.0	-3.20	216 / 0	22.99	19.79	0.095	33.01	-13.22
	256-QAM	1895.0	-3.20	216 / 0	21.06	17.86	0.061	33.01	-15.15

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

FCC ID: BCGA3358		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-08.BCG	Test Dates: 5/9/2025 - 6/20/2025	EUT Type: Tablet Device	Page 196 of 237

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NR Band n2

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1852.5	-3.20	25 / 0	24.88	21.68	0.147	33.01	-11.33
		1880.0	-3.20	25 / 0	24.94	21.74	0.149	33.01	-11.27
		1907.5	-3.20	25 / 0	24.80	21.60	0.144	33.01	-11.41
	QPSK	1852.5	-3.20	1 / 12	24.90	21.70	0.148	33.01	-11.31
		1880.0	-3.20	1 / 1	24.88	21.68	0.147	33.01	-11.33
		1907.5	-3.20	1 / 1	24.87	21.67	0.147	33.01	-11.34
	16-QAM	1852.5	-3.20	1 / 23	23.73	20.53	0.113	33.01	-12.48
	64-QAM	1880.0	-3.20	25 / 0	23.00	19.80	0.095	33.01	-13.21
	256-QAM	1907.5	-3.20	1 / 23	24.94	21.74	0.149	33.01	-11.27
10 MHz	π/2 BPSK	1855.0	-3.20	50 / 0	24.93	21.73	0.149	33.01	-11.28
		1880.0	-3.20	50 / 0	24.94	21.74	0.149	33.01	-11.27
		1905.0	-3.20	1 / 1	24.81	21.61	0.145	33.01	-11.40
	QPSK	1855.0	-3.20	1 / 25	24.95	21.75	0.149	33.01	-11.27
		1880.0	-3.20	1 / 1	24.87	21.67	0.147	33.01	-11.34
		1905.0	-3.20	1 / 1	24.92	21.72	0.148	33.01	-11.29
	16-QAM	1880.0	-3.20	1 / 1	23.76	20.56	0.114	33.01	-12.45
	64-QAM	1855.0	-3.20	50 / 0	22.93	19.73	0.094	33.01	-13.28
	256-QAM	1905.0	-3.20	1 / 50	24.82	21.62	0.145	33.01	-11.39
15 MHz	π/2 BPSK	1857.5	-3.20	75 / 0	24.83	21.63	0.146	33.01	-11.38
		1880.0	-3.20	1 / 1	24.90	21.70	0.148	33.01	-11.31
		1902.5	-3.20	1 / 1	24.81	21.61	0.145	33.01	-11.40
	QPSK	1857.5	-3.20	1 / 77	24.86	21.66	0.146	33.01	-11.36
		1880.0	-3.20	1 / 1	24.86	21.66	0.147	33.01	-11.35
		1902.5	-3.20	1 / 1	24.80	21.60	0.145	33.01	-11.41
	16-QAM	1880.0	-3.20	1 / 77	23.66	20.46	0.111	33.01	-12.55
	64-QAM	1857.5	-3.20	75 / 0	22.90	19.70	0.093	33.01	-13.31
	256-QAM	1902.5	-3.20	1 / 77	24.76	21.56	0.143	33.01	-11.45
20 MHz	π/2 BPSK	1860.0	-3.20	100 / 0	24.86	21.66	0.147	33.01	-11.35
		1880.0	-3.20	100 / 0	24.86	21.66	0.147	33.01	-11.35
		1900.0	-3.20	100 / 0	24.80	21.60	0.145	33.01	-11.41
	QPSK	1860.0	-3.20	1 / 1	24.74	21.54	0.143	33.01	-11.47
		1880.0	-3.20	1 / 104	24.85	21.65	0.146	33.01	-11.36
		1900.0	-3.20	1 / 50	24.74	21.54	0.143	33.01	-11.47
	16-QAM	1880.0	-3.20	1 / 104	23.64	20.44	0.111	33.01	-12.57
	256-QAM	1880.0	-3.20	100 / 0	22.91	19.71	0.094	33.01	-13.30
25 MHz	π/2 BPSK	1862.5	-3.20	128 / 0	24.88	21.68	0.147	33.01	-11.33
		1880.0	-3.20	128 / 0	24.91	21.71	0.148	33.01	-11.30
		1897.5	-3.20	1 / 64	24.83	21.63	0.146	33.01	-11.38
	QPSK	1862.5	-3.20	1 / 64	24.77	21.57	0.143	33.01	-11.44
		1880.0	-3.20	1 / 64	24.81	21.61	0.145	33.01	-11.40
		1897.5	-3.20	1 / 1	24.73	21.53	0.142	33.01	-11.48
	16-QAM	1880.0	-3.20	1 / 1	23.65	20.45	0.111	33.01	-12.56
	256-QAM	1862.5	-3.20	128 / 0	22.96	19.76	0.095	33.01	-13.25
30 MHz	π/2 BPSK	1865.0	-3.20	160 / 0	24.87	21.67	0.147	33.01	-11.34
		1880.0	-3.20	160 / 0	24.92	21.72	0.149	33.01	-11.29
		1895.0	-3.20	1 / 80	24.77	21.57	0.143	33.01	-11.44
	QPSK	1865.0	-3.20	1 / 158	24.89	21.69	0.148	33.01	-11.32
		1880.0	-3.20	1 / 158	25.08	21.88	0.154	33.01	-11.13
		1895.0	-3.20	160 / 0	24.98	21.78	0.151	33.01	-11.23
	16-QAM	1880.0	-3.20	1 / 1	23.72	20.52	0.113	33.01	-12.49
	256-QAM	1880.0	-3.20	160 / 0	22.93	19.73	0.094	33.01	-13.28
35 MHz	π/2 BPSK	1865.0	-3.20	1 / 158	24.74	21.54	0.142	33.01	-11.47
		1880.0	-3.20	1 / 158	24.74	21.54	0.142	33.01	-11.47
		1895.0	-3.20	160 / 0	24.74	21.54	0.143	33.01	-11.47
	QPSK	1867.5	-3.20	1 / 93	24.89	21.69	0.148	33.01	-11.32
		1880.0	-3.20	1 / 93	25.08	21.88	0.154	33.01	-11.13
		1892.5	-3.20	180 / 0	24.76	21.56	0.143	33.01	-11.45
	16-QAM	1880.0	-3.20	1 / 1	24.66	21.46	0.140	33.01	-11.55
	256-QAM	1867.5	-3.20	1 / 186	24.84	21.64	0.146	33.01	-11.37
40 MHz	π/2 BPSK	1867.5	-3.20	1 / 93	24.89	21.69	0.148	33.01	-11.32
		1880.0	-3.20	1 / 93	25.08	21.88	0.154	33.01	-11.13
		1892.5	-3.20	180 / 0	24.76	21.56	0.143	33.01	-11.45
	QPSK	1867.5	-3.20	1 / 1	24.66	21.46	0.140	33.01	-11.55
		1880.0	-3.20	1 / 1	24.67	21.47	0.140	33.01	-11.54
		1892.5	-3.20	180 / 0	24.74	21.54	0.143	33.01	-11.47
	16-QAM	1880.0	-3.20	1 / 1	23.56	20.36	0.109	33.01	-12.65
	256-QAM	1867.5	-3.20	1 / 186	24.84	21.64	0.146	33.01	-11.37
40 MHz	π/2 BPSK	1870.0	-3.20	216 / 0	24.85	21.65	0.146	33.01	-11.36
		1880.0	-3.20	216 / 0	24.86	21.66	0.147	33.01	-11.35
		1890.0	-3.20	1 / 108	24.84	21.64	0.146	33.01	-11.37
	QPSK	1870.0	-3.20	1 / 214	24.81	21.61	0.145	33.01	-11.40
		1880.0	-3.20	1 / 214	24.74	21.54	0.142	33.01	-11.48
		1890.0	-3.20	216 / 0	24.78	21.58	0.144	33.01	-11.43
	16-QAM	1890.0	-3.20	216 / 0	23.73	20.53	0.113	33.01	-12.48
	256-QAM	1870.0	-3.20	216 / 0	22.90	19.70	0.093	33.01	-13.31
40 MHz	π/2 BPSK	1870.0	-3.20	216 / 0	20.92	17.72	0.059	33.01	-15.29
		1880.0	-3.20	216 / 0	20.92	17.72	0.059	33.01	-15.29
		1890.0	-3.20	216 / 0	20.92	17.72	0.059	33.01	-15.29
	QPSK	1870.0	-3.20	216 / 0	20.92	17.72	0.059	33.01	-15.29
		1880.0	-3.20	216 / 0	20.92	17.72	0.059	33.01	-15.29
		1890.0	-3.20	216 / 0	20.92	17.72	0.059	33.01	-15.29
	16-QAM	1890.0	-3.20	216 / 0	20.92	17.72	0.059	33.01	-15.29
	256-QAM	1870.0	-3.20	216 / 0	20.92	17.72	0.059	33.01	-15.29

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

FCC ID: BCGA3358		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-08.BCG	Test Dates: 5/9/2025 - 6/20/2025	EUT Type: Tablet Device	Page 197 of 237

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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	25.16	-3.20	21.96	0.157	33.01	-11.05
1880.00	WCDMA1900	25.22	-3.20	22.02	0.159	33.01	-10.99
1907.60	WCDMA1900	25.09	-3.20	21.89	0.155	33.01	-11.12

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

FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-08.BCG	Test Dates: 5/9/2025 - 6/20/2025	EUT Type: Tablet Device
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7.6.2 Antenna 1 – EIRP

LTE Band 25

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1850.7	0.00	1 / 3	23.77	23.77	0.238	33.01	-9.24
		1882.5	0.00	1 / 3	23.75	23.75	0.237	33.01	-9.26
		1914.3	0.00	1 / 3	23.76	23.76	0.238	33.01	-9.25
	16-QAM	1882.5	0.00	1 / 5	22.92	22.92	0.196	33.01	-10.09
	64-QAM	1914.3	0.00	1 / 3	21.78	21.78	0.151	33.01	-11.23
	256-QAM	1850.7	0.00	6 / 0	19.02	19.02	0.080	33.01	-13.99
3 MHz	QPSK	1851.5	0.00	1 / 0	23.84	23.84	0.242	33.01	-9.17
		1882.5	0.00	1 / 14	23.89	23.89	0.245	33.01	-9.12
		1913.5	0.00	1 / 7	23.83	23.83	0.242	33.01	-9.18
	16-QAM	1913.5	0.00	1 / 14	22.81	22.81	0.191	33.01	-10.20
	64-QAM	1882.5	0.00	1 / 7	21.75	21.75	0.150	33.01	-11.26
	256-QAM	1913.5	0.00	15 / 0	19.01	19.01	0.080	33.01	-14.00
5 MHz	QPSK	1852.5	0.00	1 / 24	23.75	23.75	0.237	33.01	-9.26
		1882.5	0.00	1 / 24	23.89	23.89	0.245	33.01	-9.12
		1912.5	0.00	1 / 12	23.87	23.87	0.244	33.01	-9.14
	16-QAM	1912.5	0.00	1 / 12	22.92	22.92	0.196	33.01	-10.09
	64-QAM	1882.5	0.00	1 / 24	21.90	21.90	0.155	33.01	-11.11
	256-QAM	1852.5	0.00	25 / 0	18.92	18.92	0.078	33.01	-14.09
10 MHz	QPSK	1855.0	0.00	1 / 49	23.89	23.89	0.245	33.01	-9.12
		1882.5	0.00	1 / 25	23.80	23.80	0.240	33.01	-9.21
		1910.0	0.00	1 / 49	23.83	23.83	0.242	33.01	-9.18
	16-QAM	1882.5	0.00	1 / 25	22.91	22.91	0.195	33.01	-10.10
	64-QAM	1882.5	0.00	1 / 25	21.91	21.91	0.155	33.01	-11.10
	256-QAM	1910.0	0.00	50 / 0	18.83	18.83	0.076	33.01	-14.18
15 MHz	QPSK	1857.5	0.00	1 / 37	23.80	23.80	0.240	33.01	-9.21
		1882.5	0.00	1 / 0	23.82	23.82	0.241	33.01	-9.19
		1907.5	0.00	1 / 74	23.74	23.74	0.237	33.01	-9.27
	16-QAM	1907.5	0.00	1 / 74	22.83	22.83	0.192	33.01	-10.18
	64-QAM	1907.5	0.00	1 / 0	21.82	21.82	0.152	33.01	-11.19
	256-QAM	1857.5	0.00	75 / 0	18.96	18.96	0.079	33.01	-14.05
	QPSK	1860.0	0.00	1 / 99	23.80	23.80	0.240	33.01	-9.21
		1882.5	0.00	1 / 99	23.76	23.76	0.238	33.01	-9.25
		1905.0	0.00	1 / 99	23.85	23.85	0.243	33.01	-9.16
	16-QAM	1882.5	0.00	1 / 50	22.91	22.91	0.195	33.01	-10.10
	64-QAM	1882.5	0.00	1 / 50	21.90	21.90	0.155	33.01	-11.11
	256-QAM	1860.0	0.00	100 / 0	18.93	18.93	0.078	33.01	-14.08

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

FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-08.BCG	Test Dates: 5/9/2025 - 6/20/2025	EUT Type: Tablet Device	Page 199 of 237

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LTE Band 2

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1850.7	0.00	1 / 0	23.91	23.91	0.246	33.01	-9.10
		1880.0	0.00	1 / 0	23.92	23.92	0.247	33.01	-9.09
		1909.3	0.00	1 / 0	23.73	23.73	0.236	33.01	-9.28
	16-QAM	1850.7	0.00	1 / 3	22.91	22.91	0.195	33.01	-10.10
	64-QAM	1909.3	0.00	1 / 5	21.91	21.91	0.155	33.01	-11.10
	256-QAM	1850.7	0.00	6 / 0	18.96	18.96	0.079	33.01	-14.05
3 MHz	QPSK	1851.5	0.00	1 / 0	23.91	23.91	0.246	33.01	-9.10
		1880.0	0.00	1 / 0	23.92	23.92	0.247	33.01	-9.09
		1908.5	0.00	1 / 14	23.81	23.81	0.240	33.01	-9.20
	16-QAM	1851.5	0.00	1 / 0	22.83	22.83	0.192	33.01	-10.18
	64-QAM	1851.5	0.00	1 / 14	21.93	21.93	0.156	33.01	-11.08
	256-QAM	1851.5	0.00	15 / 0	19.93	19.93	0.098	33.01	-13.08
5 MHz	QPSK	1852.5	0.00	1 / 24	23.85	23.85	0.243	33.01	-9.16
		1880.0	0.00	1 / 0	23.77	23.77	0.238	33.01	-9.24
		1907.5	0.00	1 / 24	23.92	23.92	0.247	33.01	-9.09
	16-QAM	1880.0	0.00	1 / 24	22.91	22.91	0.195	33.01	-10.10
	64-QAM	1852.5	0.00	1 / 0	21.89	21.89	0.155	33.01	-11.12
	256-QAM	1880.0	0.00	25 / 0	19.00	19.00	0.079	33.01	-14.01
10 MHz	QPSK	1855.0	0.00	1 / 49	23.76	23.76	0.238	33.01	-9.25
		1880.0	0.00	1 / 49	23.80	23.80	0.240	33.01	-9.21
		1905.0	0.00	1 / 25	23.92	23.92	0.247	33.01	-9.09
	16-QAM	1880.0	0.00	1 / 0	22.93	22.93	0.196	33.01	-10.08
	64-QAM	1905.0	0.00	1 / 25	21.96	21.96	0.157	33.01	-11.05
	256-QAM	1880.0	0.00	50 / 0	19.06	19.06	0.081	33.01	-13.95
15 MHz	QPSK	1857.5	0.00	1 / 0	23.62	23.62	0.230	33.01	-9.39
		1880.0	0.00	1 / 37	23.74	23.74	0.237	33.01	-9.27
		1902.5	0.00	1 / 0	23.77	23.77	0.238	33.01	-9.24
	16-QAM	1902.5	0.00	1 / 74	22.86	22.86	0.193	33.01	-10.15
	64-QAM	1857.5	0.00	1 / 0	21.75	21.75	0.150	33.01	-11.26
	256-QAM	1857.5	0.00	75 / 0	18.95	18.95	0.079	33.01	-14.06
20 MHz	QPSK	1860.0	0.00	1 / 0	23.92	23.92	0.247	33.01	-9.09
		1880.0	0.00	1 / 0	23.84	23.84	0.242	33.01	-9.17
		1900.0	0.00	1 / 50	23.72	23.72	0.236	33.01	-9.29
	16-QAM	1900.0	0.00	1 / 0	22.91	22.91	0.195	33.01	-10.10
	64-QAM	1860.0	0.00	1 / 99	21.88	21.88	0.154	33.01	-11.13
	256-QAM	1860.0	0.00	100 / 0	18.97	18.97	0.079	33.01	-14.04

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

FCC ID: BCGA3358		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-08.BCG	Test Dates: 5/9/2025 - 6/20/2025	EUT Type: Tablet Device	Page 200 of 237

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NR Band n25

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1852.5	0.00	25 / 0	23.86	23.86	0.243	33.01	-9.15
		1882.5	0.00	25 / 0	23.75	23.75	0.237	33.01	-9.26
		1912.5	0.00	25 / 0	23.76	23.76	0.238	33.01	-9.25
	QPSK	1852.5	0.00	1 / 1	23.93	23.93	0.247	33.01	-9.08
		1882.5	0.00	1 / 1	23.80	23.80	0.240	33.01	-9.21
		1912.5	0.00	1 / 1	23.92	23.92	0.246	33.01	-9.09
	16-QAM	1852.5	0.00	1 / 1	22.77	22.77	0.189	33.01	-10.24
	64-QAM	1852.5	0.00	25 / 0	21.92	21.92	0.156	33.01	-11.09
10 MHz	π/2 BPSK	1852.5	0.00	25 / 0	19.96	19.96	0.099	33.01	-13.05
		1882.5	0.00	50 / 0	23.87	23.87	0.244	33.01	-9.14
		1910.0	0.00	50 / 0	23.85	23.85	0.243	33.01	-9.16
	QPSK	1855.0	0.00	1 / 1	24.01	24.01	0.252	33.01	-9.00
		1882.5	0.00	1 / 1	23.85	23.85	0.243	33.01	-9.16
		1910.0	0.00	1 / 1	24.01	24.01	0.252	33.01	-9.00
	16-QAM	1855.0	0.00	1 / 1	22.81	22.81	0.191	33.01	-10.20
	64-QAM	1910.0	0.00	50 / 0	21.92	21.92	0.156	33.01	-11.09
15 MHz	π/2 BPSK	1855.0	0.00	50 / 0	19.97	19.97	0.099	33.01	-13.04
		1882.5	0.00	1 / 1	23.85	23.85	0.243	33.01	-9.16
		1907.5	0.00	1 / 77	23.82	23.82	0.241	33.01	-9.19
	QPSK	1857.5	0.00	75 / 0	23.88	23.88	0.244	33.01	-9.13
		1882.5	0.00	1 / 1	23.86	23.86	0.243	33.01	-9.15
		1907.5	0.00	1 / 36	23.82	23.82	0.241	33.01	-9.19
	16-QAM	1857.5	0.00	1 / 1	22.70	22.70	0.186	33.01	-10.31
	64-QAM	1907.5	0.00	75 / 0	21.92	21.92	0.156	33.01	-11.09
20 MHz	π/2 BPSK	1857.5	0.00	75 / 0	19.88	19.88	0.097	33.01	-13.13
		1882.5	0.00	100 / 0	23.86	23.86	0.243	33.01	-9.15
		1905.0	0.00	100 / 0	23.75	23.75	0.237	33.01	-9.26
	QPSK	1860.0	0.00	100 / 0	23.95	23.95	0.248	33.01	-9.06
		1882.5	0.00	1 / 1	23.88	23.88	0.244	33.01	-9.13
		1905.0	0.00	1 / 104	23.79	23.79	0.240	33.01	-9.22
	16-QAM	1860.0	0.00	1 / 1	23.84	23.84	0.242	33.01	-9.17
	64-QAM	1905.0	0.00	1 / 1	22.68	22.68	0.185	33.01	-10.33
25 MHz	π/2 BPSK	1860.0	0.00	100 / 0	21.93	21.93	0.156	33.01	-11.08
		1882.5	0.00	128 / 0	23.88	23.88	0.244	33.01	-9.13
		1902.5	0.00	128 / 0	23.80	23.80	0.240	33.01	-9.21
	QPSK	1862.5	0.00	128 / 0	23.98	23.98	0.250	33.01	-9.03
		1882.5	0.00	1 / 1	23.71	23.71	0.235	33.01	-9.30
		1902.5	0.00	1 / 131	23.65	23.65	0.232	33.01	-9.36
	16-QAM	1862.5	0.00	1 / 64	23.83	23.83	0.242	33.01	-9.18
	64-QAM	1902.5	0.00	1 / 64	22.65	22.65	0.184	33.01	-10.36
30 MHz	π/2 BPSK	1862.5	0.00	128 / 0	21.99	21.99	0.158	33.01	-11.02
		1902.5	0.00	128 / 0	19.99	19.99	0.100	33.01	-13.02
		1865.0	0.00	160 / 0	23.80	23.80	0.240	33.01	-9.21
	QPSK	1882.5	0.00	1 / 1	23.81	23.81	0.241	33.01	-9.20
		1900.0	0.00	1 / 1	23.92	23.92	0.246	33.01	-9.09
		1865.0	0.00	1 / 1	23.91	23.91	0.246	33.01	-9.10
	16-QAM	1882.5	0.00	1 / 158	24.00	24.00	0.251	33.01	-9.01
	64-QAM	1900.0	0.00	1 / 1	23.81	23.81	0.241	33.01	-9.20
35 MHz	π/2 BPSK	1882.5	0.00	1 / 1	22.79	22.79	0.190	33.01	-10.22
		1900.0	0.00	160 / 0	21.94	21.94	0.156	33.01	-11.07
		1865.0	0.00	160 / 0	19.91	19.91	0.098	33.01	-13.10
	QPSK	1867.5	0.00	1 / 93	23.81	23.81	0.240	33.01	-9.20
		1882.5	0.00	1 / 93	24.00	24.00	0.251	33.01	-9.01
		1897.5	0.00	180 / 0	23.91	23.91	0.246	33.01	-9.10
	16-QAM	1867.5	0.00	1 / 1	23.86	23.86	0.243	33.01	-9.15
	64-QAM	1882.5	0.00	1 / 1	23.73	23.73	0.236	33.01	-9.28
40 MHz	π/2 BPSK	1897.5	0.00	1 / 1	23.63	23.63	0.231	33.01	-9.38
		1867.5	0.00	1 / 1	22.78	22.78	0.190	33.01	-10.23
		1897.5	0.00	1 / 186	23.91	23.91	0.246	33.01	-9.10
	QPSK	1897.5	0.00	1 / 186	23.50	23.50	0.224	33.01	-9.51
		1870.0	0.00	1 / 1	23.89	23.89	0.245	33.01	-9.12
		1882.5	0.00	1 / 214	23.81	23.81	0.240	33.01	-9.20
	16-QAM	1895.0	0.00	216 / 0	23.97	23.97	0.249	33.01	-9.04
		1870.0	0.00	1 / 214	23.95	23.95	0.248	33.01	-9.06
40 MHz	QPSK	1882.5	0.00	1 / 1	23.83	23.83	0.242	33.01	-9.18
		1895.0	0.00	1 / 1	23.96	23.96	0.249	33.01	-9.05
		1870.0	0.00	1 / 1	22.71	22.71	0.187	33.01	-10.30
	64-QAM	1895.0	0.00	216 / 0	21.97	21.97	0.157	33.01	-11.04
	256-QAM	1895.0	0.00	216 / 0	19.96	19.96	0.099	33.01	-13.05

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

FCC ID: BCGA3358		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-08.BCG	Test Dates: 5/9/2025 - 6/20/2025	EUT Type: Tablet Device	Page 201 of 237

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NR Band n2

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1852.5	0.00	25 / 0	23.79	23.79	0.239	33.01	-9.22
		1880.0	0.00	25 / 0	23.81	23.81	0.241	33.01	-9.20
		1907.5	0.00	25 / 0	23.70	23.70	0.235	33.01	-9.31
	QPSK	1852.5	0.00	1 / 1	23.73	23.73	0.236	33.01	-9.28
		1880.0	0.00	1 / 12	23.84	23.84	0.242	33.01	-9.17
		1907.5	0.00	25 / 0	23.81	23.81	0.240	33.01	-9.20
	16-QAM	1880.0	0.00	1 / 1	22.63	22.63	0.183	33.01	-10.38
	64-QAM	1880.0	0.00	25 / 0	21.86	21.86	0.153	33.01	-11.16
	256-QAM	1880.0	0.00	25 / 0	19.86	19.86	0.097	33.01	-13.15
10 MHz	π/2 BPSK	1855.0	0.00	1 / 1	23.73	23.73	0.236	33.01	-9.28
		1880.0	0.00	50 / 0	23.77	23.77	0.238	33.01	-9.24
		1905.0	0.00	50 / 0	23.89	23.89	0.245	33.01	-9.12
	QPSK	1855.0	0.00	1 / 1	23.81	23.81	0.240	33.01	-9.20
		1880.0	0.00	1 / 1	23.76	23.76	0.238	33.01	-9.25
		1905.0	0.00	1 / 25	23.98	23.98	0.250	33.01	-9.03
	16-QAM	1880.0	0.00	1 / 25	22.66	22.66	0.184	33.01	-10.35
	64-QAM	1905.0	0.00	50 / 0	21.88	21.88	0.154	33.01	-11.13
	256-QAM	1905.0	0.00	50 / 0	19.94	19.94	0.099	33.01	-13.07
15 MHz	π/2 BPSK	1857.5	0.00	1 / 1	23.70	23.70	0.235	33.01	-9.31
		1880.0	0.00	75 / 0	23.72	23.72	0.235	33.01	-9.29
		1902.5	0.00	75 / 0	23.83	23.83	0.241	33.01	-9.18
	QPSK	1857.5	0.00	1 / 1	23.80	23.80	0.240	33.01	-9.21
		1880.0	0.00	1 / 1	23.69	23.69	0.234	33.01	-9.32
		1902.5	0.00	1 / 1	23.74	23.74	0.237	33.01	-9.27
	16-QAM	1857.5	0.00	1 / 1	22.62	22.62	0.183	33.01	-10.39
	64-QAM	1902.5	0.00	75 / 0	21.84	21.84	0.153	33.01	-11.17
	256-QAM	1902.5	0.00	75 / 0	19.81	19.81	0.096	33.01	-13.20
20 MHz	π/2 BPSK	1860.0	0.00	100 / 0	23.71	23.71	0.235	33.01	-9.30
		1880.0	0.00	1 / 104	23.78	23.78	0.239	33.01	-9.23
		1900.0	0.00	100 / 0	23.78	23.78	0.239	33.01	-9.23
	QPSK	1860.0	0.00	1 / 1	23.79	23.79	0.239	33.01	-9.22
		1880.0	0.00	1 / 1	23.69	23.69	0.234	33.01	-9.32
		1900.0	0.00	1 / 104	23.78	23.78	0.239	33.01	-9.23
	16-QAM	1900.0	0.00	1 / 104	22.64	22.64	0.184	33.01	-10.37
	64-QAM	1900.0	0.00	100 / 0	21.85	21.85	0.153	33.01	-11.16
	256-QAM	1900.0	0.00	100 / 0	19.80	19.80	0.096	33.01	-13.21
25 MHz	π/2 BPSK	1862.5	0.00	128 / 0	23.80	23.80	0.240	33.01	-9.21
		1880.0	0.00	128 / 0	23.74	23.74	0.236	33.01	-9.27
		1897.5	0.00	128 / 0	23.84	23.84	0.242	33.01	-9.17
	QPSK	1862.5	0.00	1 / 64	23.68	23.68	0.233	33.01	-9.33
		1880.0	0.00	1 / 64	23.60	23.60	0.229	33.01	-9.41
		1897.5	0.00	1 / 64	23.72	23.72	0.235	33.01	-9.29
	16-QAM	1897.5	0.00	1 / 64	22.55	22.55	0.180	33.01	-10.46
	64-QAM	1897.5	0.00	128 / 0	21.90	21.90	0.155	33.01	-11.11
	256-QAM	1897.5	0.00	128 / 0	19.87	19.87	0.097	33.01	-13.14
30 MHz	π/2 BPSK	1865.0	0.00	1 / 1	23.75	23.75	0.237	33.01	-9.26
		1880.0	0.00	1 / 158	23.76	23.76	0.238	33.01	-9.25
		1895.0	0.00	160 / 0	23.80	23.80	0.240	33.01	-9.21
	QPSK	1865.0	0.00	1 / 1	23.84	23.84	0.242	33.01	-9.17
		1880.0	0.00	1 / 158	23.79	23.79	0.239	33.01	-9.22
		1895.0	0.00	1 / 1	23.86	23.86	0.243	33.01	-9.15
	16-QAM	1865.0	0.00	1 / 1	22.66	22.66	0.185	33.01	-10.35
	64-QAM	1895.0	0.00	160 / 0	21.82	21.82	0.152	33.01	-11.19
	256-QAM	1895.0	0.00	160 / 0	19.78	19.78	0.095	33.01	-13.23
35 MHz	π/2 BPSK	1867.5	0.00	1 / 1	23.73	23.73	0.236	33.01	-9.28
		1880.0	0.00	180 / 0	23.68	23.68	0.233	33.01	-9.33
		1892.5	0.00	180 / 0	23.75	23.75	0.237	33.01	-9.26
	QPSK	1867.5	0.00	1 / 93	23.83	23.83	0.242	33.01	-9.18
		1880.0	0.00	1 / 93	23.68	23.68	0.233	33.01	-9.33
		1892.5	0.00	1 / 93	23.64	23.64	0.231	33.01	-9.37
	16-QAM	1867.5	0.00	1 / 1	22.51	22.51	0.178	33.01	-10.50
	64-QAM	1892.5	0.00	180 / 0	21.76	21.76	0.150	33.01	-11.25
	256-QAM	1892.5	0.00	180 / 0	19.77	19.77	0.095	33.01	-13.24
40 MHz	π/2 BPSK	1870.0	0.00	1 / 1	23.79	23.79	0.240	33.01	-9.22
		1880.0	0.00	216 / 0	23.73	23.73	0.236	33.01	-9.28
		1890.0	0.00	216 / 0	23.77	23.77	0.238	33.01	-9.24
	QPSK	1870.0	0.00	1 / 1	23.74	23.74	0.237	33.01	-9.27
		1880.0	0.00	1 / 1	23.74	23.74	0.237	33.01	-9.27
		1890.0	0.00	1 / 214	23.80	23.80	0.240	33.01	-9.21
	16-QAM	1890.0	0.00	1 / 1	22.67	22.67	0.185	33.01	-10.34
	64-QAM	1890.0	0.00	216 / 0	21.81	21.81	0.152	33.01	-11.20
	256-QAM	1870.0	0.00	216 / 0	19.79	19.79	0.095	33.01	-13.22

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

FCC ID: BCGA3358		PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-08.BCG	Test Dates: 5/9/2025 - 6/20/2025	EUT Type: Tablet Device		Page 202 of 237

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WCDMA PCS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1852.40	WCDMA1900	23.99	0.00	23.99	0.251	33.01	-9.02
1880.00	WCDMA1900	24.05	0.00	24.05	0.254	33.01	-8.96
1907.60	WCDMA1900	24.02	0.00	24.02	0.252	33.01	-8.99

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

FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-08.BCG	Test Dates: 5/9/2025 - 6/20/2025	EUT Type: Tablet Device	Page 203 of 237

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7.6.3 Antenna 3 – EIRP

LTE Band 25

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1850.7	0.60	1 / 5	24.72	25.32	0.340	33.01	-7.69
		1882.5	0.60	1 / 5	24.80	25.40	0.347	33.01	-7.61
		1914.3	0.60	1 / 5	24.80	25.40	0.347	33.01	-7.61
	16-QAM	1914.3	0.60	1 / 5	23.76	24.36	0.273	33.01	-8.65
	64-QAM	1850.7	0.60	1 / 3	22.77	23.37	0.217	33.01	-9.64
	256-QAM	1850.7	0.60	6 / 0	19.90	20.50	0.112	33.01	-12.51
3 MHz	QPSK	1851.5	0.60	1 / 14	24.82	25.42	0.348	33.01	-7.59
		1882.5	0.60	1 / 14	24.86	25.46	0.352	33.01	-7.55
		1913.5	0.60	1 / 14	24.78	25.38	0.345	33.01	-7.63
	16-QAM	1882.5	0.60	1 / 7	23.71	24.31	0.270	33.01	-8.70
	64-QAM	1851.5	0.60	1 / 14	22.82	23.42	0.220	33.01	-9.59
	256-QAM	1851.5	0.60	15 / 0	19.96	20.56	0.114	33.01	-12.45
5 MHz	QPSK	1852.5	0.60	1 / 24	24.83	25.43	0.349	33.01	-7.58
		1882.5	0.60	1 / 24	24.86	25.46	0.352	33.01	-7.55
		1912.5	0.60	1 / 0	24.83	25.43	0.349	33.01	-7.58
	16-QAM	1852.5	0.60	1 / 12	23.72	24.32	0.270	33.01	-8.69
	64-QAM	1852.5	0.60	1 / 0	22.88	23.48	0.223	33.01	-9.53
	256-QAM	1852.5	0.60	25 / 0	19.97	20.57	0.114	33.01	-12.44
10 MHz	QPSK	1855.0	0.60	1 / 25	24.79	25.39	0.346	33.01	-7.62
		1882.5	0.60	1 / 0	24.78	25.38	0.345	33.01	-7.63
		1910.0	0.60	1 / 25	24.82	25.42	0.348	33.01	-7.59
	16-QAM	1882.5	0.60	1 / 25	23.87	24.47	0.280	33.01	-8.54
	64-QAM	1882.5	0.60	1 / 25	22.86	23.46	0.222	33.01	-9.55
	256-QAM	1855.0	0.60	50 / 0	19.88	20.48	0.112	33.01	-12.53
15 MHz	QPSK	1857.5	0.60	1 / 74	24.86	25.46	0.352	33.01	-7.55
		1882.5	0.60	1 / 74	24.84	25.44	0.350	33.01	-7.57
		1907.5	0.60	1 / 74	24.75	25.35	0.343	33.01	-7.66
	16-QAM	1907.5	0.60	1 / 37	23.86	24.46	0.279	33.01	-8.55
	64-QAM	1907.5	0.60	1 / 0	22.84	23.44	0.221	33.01	-9.57
	256-QAM	1857.5	0.60	75 / 0	19.86	20.46	0.111	33.01	-12.55
	QPSK	1860.0	0.60	1 / 50	24.81	25.41	0.348	33.01	-7.60
		1882.5	0.60	1 / 99	24.80	25.40	0.347	33.01	-7.61
		1905.0	0.60	1 / 0	24.82	25.42	0.348	33.01	-7.59
	16-QAM	1905.0	0.60	1 / 0	23.83	24.43	0.277	33.01	-8.58
	64-QAM	1882.5	0.60	1 / 0	22.81	23.41	0.219	33.01	-9.60
	256-QAM	1860.0	0.60	100 / 0	19.95	20.55	0.114	33.01	-12.46

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

FCC ID: BCGA3358		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-08.BCG	Test Dates: 5/9/2025 - 6/20/2025	EUT Type: Tablet Device	Page 204 of 237

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LTE Band 2

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1850.7	0.60	1 / 5	24.71	25.31	0.340	33.01	-7.70
		1880.0	0.60	1 / 3	24.90	25.50	0.355	33.01	-7.51
		1909.3	0.60	1 / 5	24.86	25.46	0.352	33.01	-7.55
	16-QAM	1850.7	0.60	1 / 3	23.79	24.39	0.275	33.01	-8.62
	64-QAM	1850.7	0.60	1 / 5	22.93	23.53	0.225	33.01	-9.48
	256-QAM	1880.0	0.60	6 / 0	20.02	20.62	0.115	33.01	-12.39
3 MHz	QPSK	1851.5	0.60	1 / 14	24.92	25.52	0.356	33.01	-7.49
		1880.0	0.60	1 / 0	24.77	25.37	0.344	33.01	-7.64
		1908.5	0.60	1 / 7	24.80	25.40	0.347	33.01	-7.61
	16-QAM	1880.0	0.60	1 / 14	23.92	24.52	0.283	33.01	-8.49
	64-QAM	1851.5	0.60	1 / 0	22.90	23.50	0.224	33.01	-9.51
	256-QAM	1880.0	0.60	15 / 0	20.00	20.60	0.115	33.01	-12.41
5 MHz	QPSK	1852.5	0.60	1 / 0	24.64	25.24	0.334	33.01	-7.77
		1880.0	0.60	1 / 24	24.89	25.49	0.354	33.01	-7.52
		1907.5	0.60	1 / 0	24.80	25.40	0.347	33.01	-7.61
	16-QAM	1880.0	0.60	1 / 24	23.71	24.31	0.270	33.01	-8.70
	64-QAM	1907.5	0.60	1 / 24	22.76	23.36	0.217	33.01	-9.65
	256-QAM	1852.5	0.60	25 / 0	19.98	20.58	0.114	33.01	-12.43
10 MHz	QPSK	1855.0	0.60	1 / 25	24.92	25.52	0.356	33.01	-7.49
		1880.0	0.60	1 / 49	24.89	25.49	0.354	33.01	-7.52
		1905.0	0.60	1 / 49	24.89	25.49	0.354	33.01	-7.52
	16-QAM	1855.0	0.60	1 / 49	23.98	24.58	0.287	33.01	-8.43
	64-QAM	1905.0	0.60	1 / 0	23.00	23.60	0.229	33.01	-9.41
	256-QAM	1855.0	0.60	50 / 0	20.10	20.70	0.117	33.01	-12.31
15 MHz	QPSK	1857.5	0.60	1 / 74	24.76	25.36	0.344	33.01	-7.65
		1880.0	0.60	1 / 0	24.81	25.41	0.348	33.01	-7.60
		1902.5	0.60	1 / 0	24.80	25.40	0.347	33.01	-7.61
	16-QAM	1857.5	0.60	1 / 0	23.89	24.49	0.281	33.01	-8.52
	64-QAM	1880.0	0.60	1 / 74	22.85	23.45	0.221	33.01	-9.56
	256-QAM	1902.5	0.60	75 / 0	19.91	20.51	0.112	33.01	-12.50
20 MHz	QPSK	1860.0	0.60	1 / 99	24.86	25.46	0.352	33.01	-7.55
		1880.0	0.60	1 / 50	24.74	25.34	0.342	33.01	-7.67
		1900.0	0.60	1 / 0	24.60	25.20	0.331	33.01	-7.81
	16-QAM	1860.0	0.60	1 / 50	23.86	24.46	0.279	33.01	-8.55
	64-QAM	1860.0	0.60	1 / 0	22.88	23.48	0.223	33.01	-9.53
	256-QAM	1880.0	0.60	100 / 0	20.00	20.60	0.115	33.01	-12.41

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

FCC ID: BCGA3358		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-08.BCG	Test Dates: 5/9/2025 - 6/20/2025	EUT Type: Tablet Device	Page 205 of 237

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NR Band n25

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1852.5	0.60	1 / 23	24.84	25.44	0.350	33.01	-7.57
		1882.5	0.60	25 / 0	24.92	25.52	0.356	33.01	-7.49
		1912.5	0.60	25 / 0	24.85	25.45	0.351	33.01	-7.56
	QPSK	1852.5	0.60	1 / 12	24.97	25.57	0.361	33.01	-7.44
		1882.5	0.60	1 / 12	24.87	25.47	0.352	33.01	-7.55
		1912.5	0.60	1 / 12	24.86	25.46	0.352	33.01	-7.55
	16-QAM	1882.5	0.60	1 / 1	23.68	24.28	0.268	33.01	-8.73
		1912.5	0.60	25 / 0	23.01	23.61	0.230	33.01	-9.40
	256-QAM	1882.5	0.60	25 / 0	21.04	21.64	0.146	33.01	-11.37
10 MHz	π/2 BPSK	1855.0	0.60	50 / 0	24.89	25.49	0.354	33.01	-7.52
		1882.5	0.60	1 / 1	25.04	25.64	0.367	33.01	-7.37
		1910.0	0.60	50 / 0	24.91	25.51	0.356	33.01	-7.50
	QPSK	1855.0	0.60	1 / 1	24.81	25.41	0.348	33.01	-7.60
		1882.5	0.60	1 / 1	24.95	25.55	0.359	33.01	-7.46
		1910.0	0.60	1 / 1	24.96	25.56	0.360	33.01	-7.45
	16-QAM	1882.5	0.60	1 / 1	23.77	24.37	0.274	33.01	-8.64
		1882.5	0.60	50 / 0	22.97	23.57	0.227	33.01	-9.44
	256-QAM	1882.5	0.60	50 / 0	21.08	21.68	0.147	33.01	-11.33
15 MHz	π/2 BPSK	1857.5	0.60	75 / 0	24.82	25.42	0.348	33.01	-7.59
		1882.5	0.60	75 / 0	24.88	25.48	0.353	33.01	-7.53
		1907.5	0.60	75 / 0	24.79	25.39	0.346	33.01	-7.62
	QPSK	1857.5	0.60	1 / 36	24.75	25.35	0.343	33.01	-7.66
		1882.5	0.60	1 / 77	24.90	25.50	0.355	33.01	-7.51
		1907.5	0.60	1 / 1	24.86	25.46	0.351	33.01	-7.55
	16-QAM	1882.5	0.60	1 / 36	23.71	24.31	0.270	33.01	-8.70
		1882.5	0.60	75 / 0	23.02	23.62	0.230	33.01	-9.39
	256-QAM	1882.5	0.60	75 / 0	20.98	21.58	0.144	33.01	-11.43
20 MHz	π/2 BPSK	1860.0	0.60	100 / 0	24.85	25.45	0.350	33.01	-7.56
		1882.5	0.60	100 / 0	24.91	25.51	0.355	33.01	-7.50
		1905.0	0.60	100 / 0	24.93	25.53	0.357	33.01	-7.48
	QPSK	1860.0	0.60	1 / 1	24.97	25.57	0.361	33.01	-7.44
		1882.5	0.60	1 / 104	24.87	25.47	0.352	33.01	-7.54
		1905.0	0.60	1 / 1	24.87	25.47	0.352	33.01	-7.54
	16-QAM	1882.5	0.60	1 / 104	23.67	24.27	0.267	33.01	-8.74
		1882.5	0.60	100 / 0	22.96	23.56	0.227	33.01	-9.45
	256-QAM	1882.5	0.60	100 / 0	21.01	21.61	0.145	33.01	-11.41
25 MHz	π/2 BPSK	1862.5	0.60	128 / 0	24.88	25.48	0.353	33.01	-7.53
		1882.5	0.60	128 / 0	24.94	25.54	0.358	33.01	-7.47
		1902.5	0.60	128 / 0	24.95	25.55	0.359	33.01	-7.46
	QPSK	1862.5	0.60	1 / 64	24.70	25.30	0.339	33.01	-7.71
		1882.5	0.60	1 / 64	24.84	25.44	0.350	33.01	-7.57
		1902.5	0.60	1 / 64	24.83	25.43	0.349	33.01	-7.58
	16-QAM	1882.5	0.60	1 / 64	23.65	24.25	0.266	33.01	-8.76
		1902.5	0.60	128 / 0	23.01	23.61	0.230	33.01	-9.40
	256-QAM	1882.5	0.60	128 / 0	21.00	21.60	0.145	33.01	-11.41
30 MHz	π/2 BPSK	1865.0	0.60	1 / 158	24.78	25.38	0.345	33.01	-7.63
		1882.5	0.60	160 / 0	24.87	25.47	0.352	33.01	-7.54
		1900.0	0.60	160 / 0	24.94	25.54	0.358	33.01	-7.47
	QPSK	1865.0	0.60	1 / 158	25.03	25.63	0.365	33.01	-7.38
		1882.5	0.60	1 / 158	24.80	25.40	0.347	33.01	-7.61
		1900.0	0.60	1 / 1	25.13	25.73	0.374	33.01	-7.28
	16-QAM	1865.0	0.60	1 / 158	23.74	24.34	0.271	33.01	-8.67
		1900.0	0.60	160 / 0	22.95	23.55	0.226	33.01	-9.46
	256-QAM	1900.0	0.60	160 / 0	21.01	21.61	0.145	33.01	-11.41
35 MHz	π/2 BPSK	1867.5	0.60	1 / 93	25.03	25.63	0.365	33.01	-7.38
		1882.5	0.60	180 / 0	24.88	25.48	0.353	33.01	-7.53
		1897.5	0.60	180 / 0	24.87	25.47	0.352	33.01	-7.54
	QPSK	1867.5	0.60	1 / 1	24.67	25.27	0.336	33.01	-7.74
		1882.5	0.60	1 / 1	24.65	25.25	0.335	33.01	-7.76
		1897.5	0.60	1 / 1	24.80	25.40	0.347	33.01	-7.61
	16-QAM	1897.5	0.60	1 / 1	23.59	24.19	0.262	33.01	-8.82
		1882.5	0.60	1 / 186	24.88	25.48	0.353	33.01	-7.53
	256-QAM	1882.5	0.60	1 / 186	24.46	25.06	0.321	33.01	-7.95
40 MHz	π/2 BPSK	1870.0	0.60	216 / 0	24.87	25.47	0.353	33.01	-7.54
		1882.5	0.60	216 / 0	24.91	25.51	0.355	33.01	-7.50
		1895.0	0.60	216 / 0	24.96	25.56	0.359	33.01	-7.45
	QPSK	1870.0	0.60	1 / 214	24.87	25.47	0.353	33.01	-7.54
		1882.5	0.60	1 / 214	25.06	25.66	0.368	33.01	-7.35
		1895.0	0.60	1 / 1	24.80	25.40	0.347	33.01	-7.61
	16-QAM	1882.5	0.60	1 / 108	23.74	24.34	0.272	33.01	-8.67
		1882.5	0.60	216 / 0	22.94	23.54	0.226	33.01	-9.47
	256-QAM	1882.5	0.60	216 / 0	21.02	21.62	0.145	33.01	-11.39

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

FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-08.BCG	Test Dates: 5/9/2025 - 6/20/2025	EUT Type: Tablet Device	Page 206 of 237

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NR Band n2

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1852.5	0.60	25 / 0	24.94	25.54	0.358	33.01	-7.47
		1880.0	0.60	25 / 0	24.87	25.47	0.352	33.01	-7.54
		1907.5	0.60	1 / 1	24.78	25.38	0.345	33.01	-7.63
	QPSK	1852.5	0.60	1 / 1	24.92	25.52	0.357	33.01	-7.49
		1880.0	0.60	1 / 1	24.82	25.42	0.348	33.01	-7.59
		1907.5	0.60	25 / 0	24.77	25.37	0.344	33.01	-7.64
	16-QAM	1852.5	0.60	1 / 23	23.71	24.31	0.270	33.01	-8.70
		1852.5	0.60	25 / 0	22.94	23.54	0.226	33.01	-9.47
		1852.5	0.60	25 / 0	21.05	21.65	0.146	33.01	-11.36
10 MHz	π/2 BPSK	1855.0	0.60	50 / 0	24.87	25.47	0.352	33.01	-7.54
		1880.0	0.60	50 / 0	24.96	25.56	0.360	33.01	-7.45
		1905.0	0.60	50 / 0	24.94	25.54	0.358	33.01	-7.47
	QPSK	1855.0	0.60	1 / 1	24.83	25.43	0.349	33.01	-7.58
		1880.0	0.60	1 / 1	24.95	25.55	0.359	33.01	-7.46
		1905.0	0.60	1 / 25	24.90	25.50	0.354	33.01	-7.51
	16-QAM	1905.0	0.60	1 / 1	23.72	24.32	0.270	33.01	-8.69
		1880.0	0.60	50 / 0	22.97	23.57	0.227	33.01	-9.44
		1880.0	0.60	50 / 0	21.07	21.67	0.147	33.01	-11.34
15 MHz	π/2 BPSK	1857.5	0.60	1 / 1	24.80	25.40	0.347	33.01	-7.61
		1880.0	0.60	75 / 0	24.86	25.46	0.351	33.01	-7.55
		1902.5	0.60	75 / 0	24.86	25.46	0.352	33.01	-7.55
	QPSK	1857.5	0.60	1 / 77	24.71	25.31	0.340	33.01	-7.70
		1880.0	0.60	1 / 77	24.84	25.44	0.350	33.01	-7.57
		1902.5	0.60	1 / 1	24.79	25.39	0.346	33.01	-7.62
	16-QAM	1902.5	0.60	1 / 36	23.65	24.25	0.266	33.01	-8.76
		1902.5	0.60	75 / 0	22.90	23.50	0.224	33.01	-9.51
		1880.0	0.60	75 / 0	20.95	21.55	0.143	33.01	-11.46
20 MHz	π/2 BPSK	1860.0	0.60	100 / 0	24.80	25.40	0.347	33.01	-7.61
		1880.0	0.60	100 / 0	24.87	25.47	0.352	33.01	-7.54
		1900.0	0.60	100 / 0	24.91	25.51	0.355	33.01	-7.50
	QPSK	1860.0	0.60	1 / 1	24.74	25.34	0.342	33.01	-7.67
		1880.0	0.60	1 / 104	24.83	25.43	0.349	33.01	-7.58
		1900.0	0.60	1 / 1	24.82	25.42	0.348	33.01	-7.59
	16-QAM	1900.0	0.60	1 / 50	23.66	24.26	0.267	33.01	-8.75
		1900.0	0.60	100 / 0	22.96	23.56	0.227	33.01	-9.45
		1880.0	0.60	100 / 0	21.00	21.60	0.144	33.01	-11.41
25 MHz	π/2 BPSK	1862.5	0.60	128 / 0	24.82	25.42	0.348	33.01	-7.59
		1880.0	0.60	128 / 0	24.95	25.55	0.359	33.01	-7.46
		1897.5	0.60	128 / 0	24.92	25.52	0.356	33.01	-7.49
	QPSK	1862.5	0.60	1 / 64	24.69	25.29	0.338	33.01	-7.72
		1880.0	0.60	1 / 64	24.78	25.38	0.345	33.01	-7.63
		1897.5	0.60	1 / 64	24.81	25.41	0.348	33.01	-7.60
	16-QAM	1880.0	0.60	1 / 64	23.65	24.25	0.266	33.01	-8.76
		1880.0	0.60	128 / 0	23.02	23.62	0.230	33.01	-9.39
		1880.0	0.60	128 / 0	21.03	21.63	0.146	33.01	-11.38
30 MHz	π/2 BPSK	1865.0	0.60	1 / 158	24.88	25.48	0.353	33.01	-7.53
		1880.0	0.60	160 / 0	24.89	25.49	0.354	33.01	-7.52
		1895.0	0.60	160 / 0	24.89	25.49	0.354	33.01	-7.52
	QPSK	1865.0	0.60	1 / 158	24.84	25.44	0.350	33.01	-7.57
		1880.0	0.60	1 / 80	24.88	25.48	0.353	33.01	-7.53
		1895.0	0.60	1 / 1	25.01	25.61	0.364	33.01	-7.40
	16-QAM	1895.0	0.60	1 / 1	23.71	24.31	0.270	33.01	-8.70
		1880.0	0.60	160 / 0	22.94	23.54	0.226	33.01	-9.47
		1880.0	0.60	160 / 0	21.01	21.61	0.145	33.01	-11.40
35 MHz	π/2 BPSK	1867.5	0.60	1 / 93	24.86	25.46	0.351	33.01	-7.56
		1880.0	0.60	180 / 0	24.92	25.52	0.356	33.01	-7.49
		1892.5	0.60	180 / 0	24.89	25.49	0.354	33.01	-7.52
	QPSK	1867.5	0.60	1 / 186	24.79	25.39	0.346	33.01	-7.62
		1880.0	0.60	1 / 93	24.85	25.45	0.351	33.01	-7.56
		1892.5	0.60	1 / 93	24.81	25.41	0.348	33.01	-7.60
	16-QAM	1880.0	0.60	1 / 93	23.75	24.35	0.272	33.01	-8.66
		1880.0	0.60	180 / 0	22.90	23.50	0.224	33.01	-9.51
		1880.0	0.60	180 / 0	20.95	21.55	0.143	33.01	-11.46
40 MHz	π/2 BPSK	1870.0	0.60	216 / 0	24.86	25.46	0.352	33.01	-7.55
		1880.0	0.60	216 / 0	24.90	25.50	0.355	33.01	-7.51
		1890.0	0.60	216 / 0	24.91	25.51	0.356	33.01	-7.50
	QPSK	1870.0	0.60	1 / 214	24.77	25.37	0.344	33.01	-7.64
		1880.0	0.60	1 / 108	24.88	25.48	0.353	33.01	-7.54
		1890.0	0.60	1 / 108	24.81	25.41	0.348	33.01	-7.60
	16-QAM	1880.0	0.60	1 / 108	23.78	24.38	0.274	33.01	-8.63
		1880.0	0.60	216 / 0	22.95	23.55	0.227	33.01	-9.46
		1890.0	0.60	216 / 0	21.05	21.65	0.146	33.01	-11.36

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

FCC ID: BCGA3358		PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-08.BCG	Test Dates: 5/9/2025 - 6/20/2025	EUT Type: Tablet Device		Page 207 of 237

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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	24.96	0.60	25.56	0.360	33.01	-7.45
1880.00	WCDMA1900	24.95	0.60	25.55	0.359	33.01	-7.46
1907.60	WCDMA1900	24.89	0.60	25.49	0.354	33.01	-7.52

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

FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170039-08.BCG	Test Dates: 5/9/2025 - 6/20/2025	EUT Type: Tablet Device	Page 208 of 237

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7.6.4 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	-3.00	1 / 5	23.78	20.78	0.120	33.01	-12.23
		1882.5	-3.00	1 / 5	23.72	20.72	0.118	33.01	-12.29
		1914.3	-3.00	1 / 3	23.85	20.85	0.122	33.01	-12.16
	16-QAM	1914.3	-3.00	1 / 3	22.88	19.88	0.097	33.01	-13.13
	64-QAM	1914.3	-3.00	1 / 5	21.82	18.82	0.076	33.01	-14.19
	256-QAM	1914.3	-3.00	6 / 0	18.98	15.98	0.040	33.01	-17.03
3 MHz	QPSK	1851.5	-3.00	1 / 7	23.69	20.69	0.117	33.01	-12.32
		1882.5	-3.00	1 / 0	23.87	20.87	0.122	33.01	-12.14
		1913.5	-3.00	1 / 7	23.72	20.72	0.118	33.01	-12.29
	16-QAM	1882.5	-3.00	1 / 0	22.82	19.82	0.096	33.01	-13.19
	64-QAM	1913.5	-3.00	1 / 0	21.79	18.79	0.076	33.01	-14.22
	256-QAM	1913.5	-3.00	15 / 0	18.90	15.90	0.039	33.01	-17.11
5 MHz	QPSK	1852.5	-3.00	1 / 12	23.69	20.69	0.117	33.01	-12.32
		1882.5	-3.00	1 / 24	23.77	20.77	0.119	33.01	-12.24
		1912.5	-3.00	1 / 24	23.70	20.70	0.117	33.01	-12.31
	16-QAM	1912.5	-3.00	1 / 24	22.89	19.89	0.097	33.01	-13.12
	64-QAM	1912.5	-3.00	1 / 12	21.83	18.83	0.076	33.01	-14.18
	256-QAM	1912.5	-3.00	25 / 0	18.96	15.96	0.039	33.01	-17.05
10 MHz	QPSK	1855.0	-3.00	1 / 25	23.74	20.74	0.119	33.01	-12.27
		1882.5	-3.00	1 / 0	23.85	20.85	0.122	33.01	-12.16
		1910.0	-3.00	1 / 49	23.87	20.87	0.122	33.01	-12.14
	16-QAM	1855.0	-3.00	1 / 0	22.87	19.87	0.097	33.01	-13.14
	64-QAM	1855.0	-3.00	1 / 25	21.71	18.71	0.074	33.01	-14.30
	256-QAM	1855.0	-3.00	50 / 0	18.96	15.96	0.039	33.01	-17.05
15 MHz	QPSK	1857.5	-3.00	1 / 74	23.73	20.73	0.118	33.01	-12.28
		1882.5	-3.00	1 / 37	23.87	20.87	0.122	33.01	-12.14
		1907.5	-3.00	1 / 74	23.84	20.84	0.121	33.01	-12.17
	16-QAM	1907.5	-3.00	1 / 37	22.87	19.87	0.097	33.01	-13.14
	64-QAM	1857.5	-3.00	1 / 0	21.86	18.86	0.077	33.01	-14.15
	256-QAM	1857.5	-3.00	75 / 0	18.90	15.90	0.039	33.01	-17.11
	QPSK	1860.0	-3.00	1 / 99	23.81	20.81	0.121	33.01	-12.20
		1882.5	-3.00	1 / 0	23.85	20.85	0.122	33.01	-12.16
		1905.0	-3.00	1 / 50	23.87	20.87	0.122	33.01	-12.14
	16-QAM	1905.0	-3.00	1 / 99	22.88	19.88	0.097	33.01	-13.13
	64-QAM	1860.0	-3.00	1 / 0	21.77	18.77	0.075	33.01	-14.24
	256-QAM	1860.0	-3.00	100 / 0	18.98	15.98	0.040	33.01	-17.03

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

FCC ID: BCGA3358		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-08.BCG	Test Dates: 5/9/2025 - 6/20/2025	EUT Type: Tablet Device	Page 209 of 237

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LTE Band 2

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	1850.7	-3.00	1 / 0	23.78	20.78	0.120	33.01	-12.23
		1880.0	-3.00	1 / 0	23.81	20.81	0.121	33.01	-12.20
		1909.3	-3.00	1 / 0	23.73	20.73	0.118	33.01	-12.28
	16-QAM	1880.0	-3.00	1 / 3	22.84	19.84	0.096	33.01	-13.17
	64-QAM	1880.0	-3.00	1 / 5	21.79	18.79	0.076	33.01	-14.22
	256-QAM	1909.3	-3.00	6 / 0	18.90	15.90	0.039	33.01	-17.11
3 MHz	QPSK	1851.5	-3.00	1 / 7	23.80	20.80	0.120	33.01	-12.21
		1880.0	-3.00	1 / 14	23.76	20.76	0.119	33.01	-12.25
		1908.5	-3.00	1 / 7	23.71	20.71	0.118	33.01	-12.30
	16-QAM	1880.0	-3.00	1 / 0	22.81	19.81	0.096	33.01	-13.20
	64-QAM	1851.5	-3.00	1 / 7	21.88	18.88	0.077	33.01	-14.13
	256-QAM	1880.0	-3.00	15 / 0	18.99	15.99	0.040	33.01	-17.02
5 MHz	QPSK	1852.5	-3.00	1 / 24	23.87	20.87	0.122	33.01	-12.14
		1880.0	-3.00	1 / 0	23.81	20.81	0.121	33.01	-12.20
		1907.5	-3.00	1 / 12	23.75	20.75	0.119	33.01	-12.26
	16-QAM	1852.5	-3.00	1 / 12	22.75	19.75	0.094	33.01	-13.26
	64-QAM	1880.0	-3.00	1 / 12	21.71	18.71	0.074	33.01	-14.30
	256-QAM	1880.0	-3.00	25 / 0	18.86	15.86	0.039	33.01	-17.15
10 MHz	QPSK	1855.0	-3.00	1 / 25	23.87	20.87	0.122	33.01	-12.14
		1880.0	-3.00	1 / 49	23.73	20.73	0.118	33.01	-12.28
		1905.0	-3.00	1 / 49	23.87	20.87	0.122	33.01	-12.14
	16-QAM	1905.0	-3.00	1 / 25	22.87	19.87	0.097	33.01	-13.14
	64-QAM	1880.0	-3.00	1 / 25	21.87	18.87	0.077	33.01	-14.14
	256-QAM	1880.0	-3.00	50 / 0	18.97	15.97	0.040	33.01	-17.04
15 MHz	QPSK	1857.5	-3.00	1 / 0	23.86	20.86	0.122	33.01	-12.15
		1880.0	-3.00	1 / 0	23.82	20.82	0.121	33.01	-12.19
		1902.5	-3.00	1 / 0	23.77	20.77	0.119	33.01	-12.24
	16-QAM	1902.5	-3.00	1 / 74	22.80	19.80	0.095	33.01	-13.21
	64-QAM	1902.5	-3.00	1 / 37	21.83	18.83	0.076	33.01	-14.18
	256-QAM	1880.0	-3.00	75 / 0	18.75	15.75	0.038	33.01	-17.26
20 MHz	QPSK	1860.0	-3.00	1 / 50	23.86	20.86	0.122	33.01	-12.15
		1880.0	-3.00	1 / 99	23.51	20.51	0.112	33.01	-12.50
		1900.0	-3.00	1 / 50	23.82	20.82	0.121	33.01	-12.19
	16-QAM	1860.0	-3.00	1 / 99	22.86	19.86	0.097	33.01	-13.15
	64-QAM	1880.0	-3.00	1 / 0	21.86	18.86	0.077	33.01	-14.15
	256-QAM	1900.0	-3.00	100 / 0	18.95	15.95	0.039	33.01	-17.06

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

FCC ID: BCGA3358		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170039-08.BCG	Test Dates: 5/9/2025 - 6/20/2025	EUT Type: Tablet Device	Page 210 of 237

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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	-3.00	25 / 0	23.92	20.92	0.124	33.01	-12.09
		1882.5	-3.00	25 / 0	23.79	20.79	0.120	33.01	-12.22
		1912.5	-3.00	25 / 0	23.75	20.75	0.119	33.01	-12.26
	QPSK	1852.5	-3.00	1 / 1	23.91	20.91	0.123	33.01	-12.10
		1882.5	-3.00	1 / 23	23.73	20.73	0.118	33.01	-12.28
		1912.5	-3.00	1 / 1	23.88	20.88	0.122	33.01	-12.13
	16-QAM	1852.5	-3.00	1 / 12	22.74	19.74	0.094	33.01	-13.27
	64-QAM	1852.5	-3.00	25 / 0	21.98	18.98	0.079	33.01	-14.03
10 MHz	$\pi/2$ BPSK	1852.5	-3.00	25 / 0	19.97	16.97	0.050	33.01	-16.04
		1882.5	-3.00	50 / 0	23.90	20.90	0.123	33.01	-12.11
		1910.0	-3.00	50 / 0	23.76	20.76	0.119	33.01	-12.26
	QPSK	1855.0	-3.00	1 / 1	23.89	20.89	0.123	33.01	-12.12
		1882.5	-3.00	1 / 1	23.88	20.88	0.122	33.01	-12.13
		1910.0	-3.00	1 / 25	23.80	20.80	0.120	33.01	-12.21
	16-QAM	1855.0	-3.00	1 / 1	22.83	19.83	0.096	33.01	-13.18
	64-QAM	1855.0	-3.00	50 / 0	21.89	18.89	0.077	33.01	-14.12
15 MHz	$\pi/2$ BPSK	1855.0	-3.00	50 / 0	19.94	16.94	0.049	33.01	-16.07
		1857.5	-3.00	75 / 0	23.78	20.78	0.120	33.01	-12.23
		1882.5	-3.00	75 / 0	23.77	20.77	0.119	33.01	-12.24
	QPSK	1907.5	-3.00	75 / 0	23.80	20.80	0.120	33.01	-12.22
		1857.5	-3.00	1 / 1	23.96	20.96	0.125	33.01	-12.05
		1882.5	-3.00	1 / 77	23.78	20.78	0.120	33.01	-12.23
	16-QAM	1907.5	-3.00	1 / 36	23.70	20.70	0.118	33.01	-12.31
	64-QAM	1857.5	-3.00	1 / 1	22.68	19.68	0.093	33.01	-13.33
20 MHz	$\pi/2$ BPSK	1857.5	-3.00	75 / 0	21.84	18.84	0.077	33.01	-14.17
		1857.5	-3.00	75 / 0	19.81	16.81	0.048	33.01	-16.20
		1860.0	-3.00	1 / 1	23.77	20.77	0.119	33.01	-12.24
	QPSK	1882.5	-3.00	100 / 0	23.76	20.76	0.119	33.01	-12.25
		1905.0	-3.00	100 / 0	23.76	20.76	0.119	33.01	-12.25
		1860.0	-3.00	1 / 1	23.86	20.86	0.122	33.01	-12.15
	16-QAM	1882.5	-3.00	1 / 104	23.72	20.72	0.118	33.01	-12.29
	64-QAM	1905.0	-3.00	1 / 1	23.68	20.68	0.117	33.01	-12.33
25 MHz	$\pi/2$ BPSK	1860.0	-3.00	1 / 1	22.68	19.68	0.093	33.01	-13.33
		1860.0	-3.00	100 / 0	21.84	18.84	0.077	33.01	-14.17
		1860.0	-3.00	100 / 0	19.85	16.85	0.048	33.01	-16.16
	QPSK	1862.5	-3.00	128 / 0	23.86	20.86	0.122	33.01	-12.15
		1882.5	-3.00	128 / 0	23.72	20.72	0.118	33.01	-12.29
		1902.5	-3.00	128 / 0	23.80	20.80	0.120	33.01	-12.21
	16-QAM	1862.5	-3.00	1 / 64	23.69	20.69	0.117	33.01	-12.32
	64-QAM	1882.5	-3.00	1 / 64	23.61	20.61	0.115	33.01	-12.40
30 MHz	$\pi/2$ BPSK	1902.5	-3.00	1 / 64	23.66	20.66	0.116	33.01	-12.35
		1862.5	-3.00	1 / 1	22.56	19.56	0.090	33.01	-13.45
		1862.5	-3.00	128 / 0	21.90	18.90	0.078	33.01	-14.11
	QPSK	1862.5	-3.00	128 / 0	19.86	16.86	0.048	33.01	-16.15
		1865.0	-3.00	1 / 1	23.78	20.78	0.120	33.01	-12.23
		1882.5	-3.00	1 / 80	23.73	20.73	0.118	33.01	-12.28
	16-QAM	1900.0	-3.00	160 / 0	23.69	20.69	0.117	33.01	-12.32
	64-QAM	1865.0	-3.00	1 / 1	23.77	20.77	0.120	33.01	-12.24
35 MHz	$\pi/2$ BPSK	1882.5	-3.00	1 / 158	23.63	20.63	0.116	33.01	-12.38
		1900.0	-3.00	1 / 80	23.68	20.68	0.117	33.01	-12.33
		1865.0	-3.00	1 / 1	22.65	19.65	0.092	33.01	-13.37
	QPSK	1900.0	-3.00	160 / 0	21.77	18.77	0.075	33.01	-14.24
		1865.0	-3.00	160 / 0	19.76	16.76	0.047	33.01	-16.25
		1867.5	-3.00	1 / 1	23.74	20.74	0.119	33.01	-12.27
	16-QAM	1882.5	-3.00	1 / 93	23.76	20.76	0.119	33.01	-12.25
	64-QAM	1897.5	-3.00	180 / 0	23.69	20.69	0.117	33.01	-12.32
40 MHz	$\pi/2$ BPSK	1867.5	-3.00	1 / 1	23.74	20.74	0.118	33.01	-12.27
		1882.5	-3.00	1 / 1	23.59	20.59	0.114	33.01	-12.42
		1897.5	-3.00	1 / 1	23.51	20.51	0.112	33.01	-12.50
	QPSK	1867.5	-3.00	1 / 1	22.69	19.69	0.093	33.01	-13.32
		1897.5	-3.00	1 / 186	23.69	20.69	0.117	33.01	-12.32
		1897.5	-3.00	1 / 186	23.22	20.22	0.105	33.01	-12.79
	16-QAM	1870.0	-3.00	1 / 1	23.86	20.86	0.122	33.01	-12.15
	64-QAM	1882.5	-3.00	1 / 214	23.68	20.68	0.117	33.01	-12.33
45 MHz	$\pi/2$ BPSK	1895.0	-3.00	216 / 0	23.74	20.74	0.119	33.01	-12.27
		1870.0	-3.00	1 / 1	23.84	20.84	0.121	33.01	-12.17
		1882.5	-3.00	1 / 1	23.66	20.66	0.116	33.01	-12.35
	QPSK	1895.0	-3.00	1 / 108	23.60	20.60	0.115	33.01	-12.41
		1870.0	-3.00	1 / 1	22.67	19.67	0.093	33.01	-13.34
		1895.0	-3.00	216 / 0	21.74	18.74	0.075	33.01	-14.27
	16-QAM	1870.0	-3.00	1 / 1	22.67	19.67	0.093	33.01	-13.34
	64-QAM	1895.0	-3.00	216 / 0	19.81	16.81	0.048	33.01	-16.20

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

FCC ID: BCGA3358		PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n2

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1852.5	-3.00	25 / 0	23.76	20.76	0.119	33.01	-12.25
		1880.0	-3.00	25 / 0	23.82	20.82	0.121	33.01	-12.19
		1907.5	-3.00	25 / 0	23.86	20.86	0.122	33.01	-12.15
	QPSK	1852.5	-3.00	1 / 1	23.77	20.77	0.119	33.01	-12.24
		1880.0	-3.00	1 / 23	23.83	20.83	0.121	33.01	-12.18
		1907.5	-3.00	25 / 0	23.86	20.86	0.122	33.01	-12.15
	16-QAM	1907.5	-3.00	25 / 0	22.67	19.67	0.093	33.01	-13.34
	64-QAM	1880.0	-3.00	25 / 0	21.86	18.86	0.077	33.01	-14.15
	256-QAM	1880.0	-3.00	25 / 0	19.89	16.89	0.049	33.01	-16.12
10 MHz	π/2 BPSK	1855.0	-3.00	50 / 0	23.88	20.88	0.122	33.01	-12.13
		1880.0	-3.00	50 / 0	23.80	20.80	0.120	33.01	-12.21
		1905.0	-3.00	50 / 0	23.83	20.83	0.121	33.01	-12.18
	QPSK	1855.0	-3.00	1 / 1	23.86	20.86	0.122	33.01	-12.15
		1880.0	-3.00	1 / 25	23.72	20.72	0.118	33.01	-12.29
		1905.0	-3.00	1 / 50	23.80	20.80	0.120	33.01	-12.21
	16-QAM	1905.0	-3.00	1 / 1	23.19	20.19	0.104	33.01	-12.82
	64-QAM	1855.0	-3.00	50 / 0	21.88	18.88	0.077	33.01	-14.13
	256-QAM	1855.0	-3.00	50 / 0	19.94	16.94	0.049	33.01	-16.07
15 MHz	π/2 BPSK	1857.5	-3.00	75 / 0	23.76	20.76	0.119	33.01	-12.25
		1880.0	-3.00	75 / 0	23.70	20.70	0.117	33.01	-12.31
		1902.5	-3.00	75 / 0	23.73	20.73	0.118	33.01	-12.28
	QPSK	1857.5	-3.00	1 / 1	23.87	20.87	0.122	33.01	-12.14
		1880.0	-3.00	1 / 36	23.70	20.70	0.117	33.01	-12.31
		1902.5	-3.00	1 / 77	23.74	20.74	0.118	33.01	-12.27
	16-QAM	1857.5	-3.00	1 / 1	22.65	19.65	0.092	33.01	-13.36
	64-QAM	1857.5	-3.00	75 / 0	21.83	18.83	0.076	33.01	-14.18
	256-QAM	1857.5	-3.00	75 / 0	19.79	16.79	0.048	33.01	-16.22
20 MHz	π/2 BPSK	1860.0	-3.00	1 / 1	23.84	20.84	0.121	33.01	-12.17
		1880.0	-3.00	1 / 104	23.72	20.72	0.118	33.01	-12.29
		1900.0	-3.00	100 / 0	23.73	20.73	0.118	33.01	-12.28
	QPSK	1860.0	-3.00	1 / 1	23.91	20.91	0.123	33.01	-12.10
		1880.0	-3.00	1 / 104	23.76	20.76	0.119	33.01	-12.25
		1900.0	-3.00	1 / 1	23.75	20.75	0.119	33.01	-12.26
	16-QAM	1860.0	-3.00	1 / 1	22.73	19.73	0.094	33.01	-13.28
	64-QAM	1860.0	-3.00	100 / 0	21.84	18.84	0.077	33.01	-14.17
	256-QAM	1860.0	-3.00	100 / 0	19.86	16.86	0.049	33.01	-16.15
25 MHz	π/2 BPSK	1862.5	-3.00	128 / 0	23.79	20.79	0.120	33.01	-12.22
		1880.0	-3.00	128 / 0	23.82	20.82	0.121	33.01	-12.19
		1897.5	-3.00	128 / 0	23.76	20.76	0.119	33.01	-12.25
	QPSK	1862.5	-3.00	1 / 1	23.76	20.76	0.119	33.01	-12.25
		1880.0	-3.00	1 / 131	23.73	20.73	0.118	33.01	-12.28
		1897.5	-3.00	1 / 64	23.75	20.75	0.119	33.01	-12.26
	16-QAM	1862.5	-3.00	1 / 1	22.63	19.63	0.092	33.01	-13.38
	64-QAM	1862.5	-3.00	128 / 0	21.89	18.89	0.077	33.01	-14.12
	256-QAM	1862.5	-3.00	128 / 0	19.87	16.87	0.049	33.01	-16.14
30 MHz	π/2 BPSK	1865.0	-3.00	1 / 1	23.84	20.84	0.121	33.01	-12.17
		1880.0	-3.00	160 / 0	23.76	20.76	0.119	33.01	-12.25
		1895.0	-3.00	160 / 0	23.76	20.76	0.119	33.01	-12.25
	QPSK	1865.0	-3.00	1 / 1	23.80	20.80	0.120	33.01	-12.21
		1880.0	-3.00	1 / 158	23.75	20.75	0.119	33.01	-12.26
		1895.0	-3.00	1 / 158	23.81	20.81	0.120	33.01	-12.20
	16-QAM	1865.0	-3.00	1 / 1	22.69	19.69	0.093	33.01	-13.32
	64-QAM	1895.0	-3.00	160 / 0	21.79	18.79	0.076	33.01	-14.22
	256-QAM	1880.0	-3.00	160 / 0	19.79	16.79	0.048	33.01	-16.22
35 MHz	π/2 BPSK	1867.5	-3.00	1 / 93	23.73	20.73	0.118	33.01	-12.28
		1880.0	-3.00	180 / 0	23.76	20.76	0.119	33.01	-12.25
		1892.5	-3.00	1 / 186	23.77	20.77	0.119	33.01	-12.24
	QPSK	1867.5	-3.00	1 / 1	23.87	20.87	0.122	33.01	-12.14
		1880.0	-3.00	1 / 1	23.71	20.71	0.118	33.01	-12.30
		1892.5	-3.00	1 / 186	23.76	20.76	0.119	33.01	-12.25
	16-QAM	1867.5	-3.00	1 / 93	22.62	19.62	0.092	33.01	-13.39
	64-QAM	1892.5	-3.00	180 / 0	21.80	18.80	0.076	33.01	-14.21
	256-QAM	1892.5	-3.00	180 / 0	19.79	16.79	0.048	33.01	-16.22
40 MHz	π/2 BPSK	1870.0	-3.00	1 / 214	23.85	20.85	0.122	33.01	-12.16
		1880.0	-3.00	216 / 0	23.76	20.76	0.119	33.01	-12.25
		1890.0	-3.00	216 / 0	23.83	20.83	0.121	33.01	-12.19
	QPSK	1870.0	-3.00	1 / 1	23.83	20.83	0.121	33.01	-12.18
		1880.0	-3.00	1 / 1	23.88	20.88	0.123	33.01	-12.13
		1890.0	-3.00	1 / 1	23.75	20.75	0.119	33.01	-12.26
	16-QAM	1870.0	-3.00	1 / 1	22.70	19.70	0.093	33.01	-13.31
	64-QAM	1890.0	-3.00	216 / 0	21.87	18.87	0.077	33.01	-14.14
	256-QAM	1890.0	-3.00	216 / 0	19.85	16.85	0.048	33.01	-16.16

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

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WCDMA PCS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1852.40	WCDMA1900	23.95	-3.00	20.95	0.124	33.01	-12.06
1880.00	WCDMA1900	24.04	-3.00	21.04	0.127	33.01	-11.97
1907.60	WCDMA1900	24.01	-3.00	21.01	0.126	33.01	-12.00

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

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7.7 Radiated Spurious Emissions

§2.1053, 24.238(a)

Test Overview

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

Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.8

Test Settings

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

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Test Setup

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

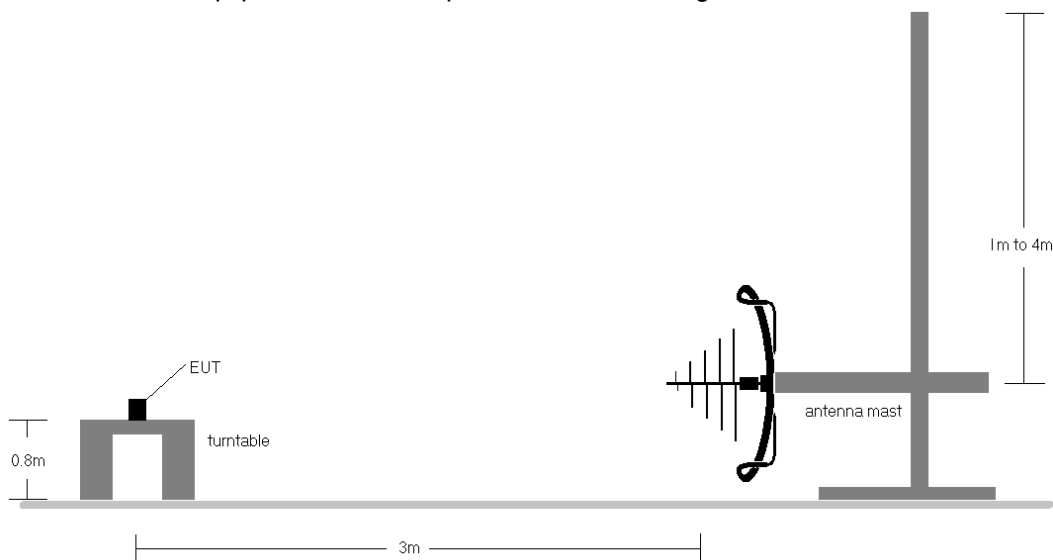


Figure 7-11. Test Instrument & Measurement Setup < 1GHz

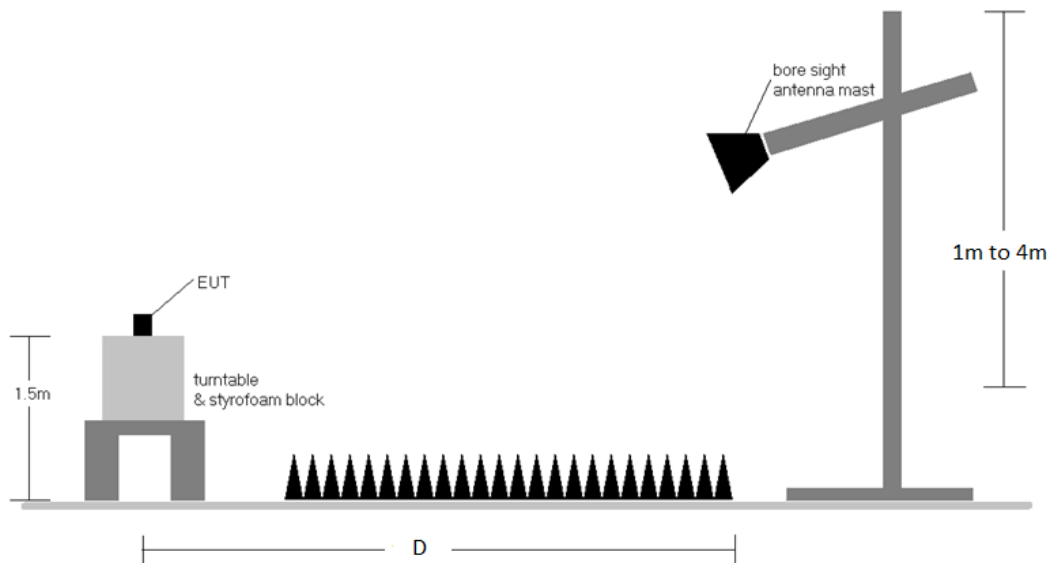


Figure 7-12. Test Instrument & Measurement Setup >1 GHz

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Test Notes

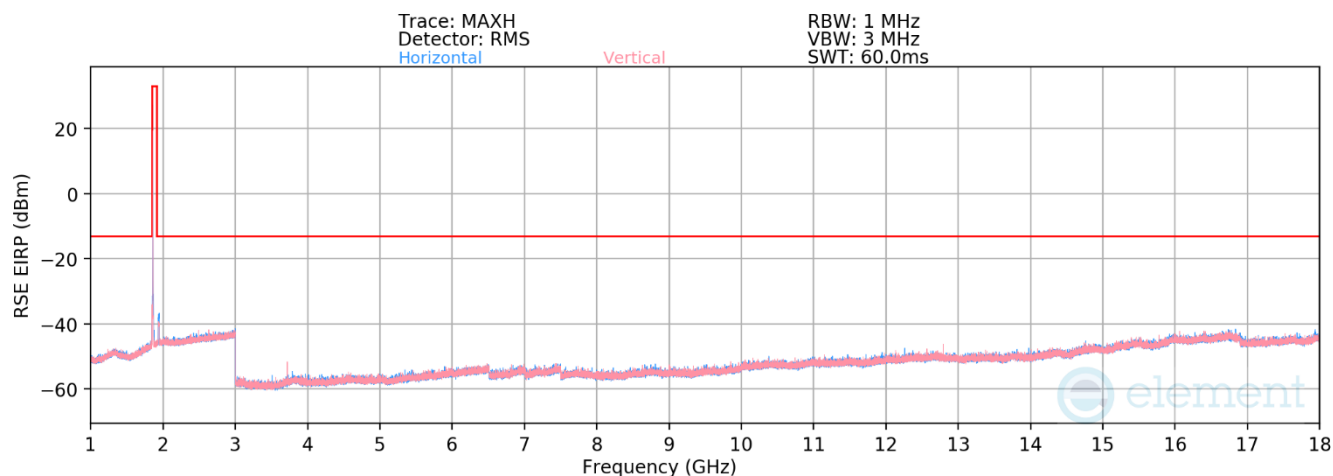
1. Field strengths are calculated using the Measurement quantity conversions in KDB 971168 Section 5.8.4.
 - a. $E(\text{dB}\mu\text{V}/\text{m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b. $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V}/\text{m}) + 20\log D - 104.8$; where D is the measurement distance in meters.
2. This device employs UMTS technology with WCDMA (AMR/RMC) and HSDPA capabilities. The EUT was tested under all configurations and the highest power is reported in WCDMA mode with HSDPA Inactive at 12.2 kbps RMC and TPC bits all set to "1".
3. The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
4. This unit was tested with its standard battery.
5. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
6. D is the measurement test distance and emissions 1-18GHz were measured at a 3 meters test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
7. No significant emissions were found for below 1GHz and Above 18GHz measurement.
8. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
9. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.
10. Spurious emission in EN-DC Operating mode with Sub 6GHz NR carrier as well as an LTE carrier (anchor) has been checked and was found to not to be the worst case.
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.
12. Pre-scan plots have been reported for the highest power antenna while measurements have been reported for all antennas.

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7.7.1 Antenna 4b – Radiated Spurious Emission Measurement

LTE Band 25/2



Plot 7-338. Radiated Spurious Plot (LTE Band 25/2)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3720.0	V	-	-	-76.19	1.30	32.11	-63.15	-13.00	-50.15
5580.0	H	-	-	-78.14	4.26	33.12	-62.14	-13.00	-49.14
7440.0	H	-	-	-77.77	5.50	34.74	-60.52	-13.00	-47.52

Table 7-22. Antenna 4b 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	-	-	-76.10	1.66	32.56	-62.70	-13.00	-49.70
5647.5	V	-	-	-77.75	4.09	33.34	-61.91	-13.00	-48.91
7530.0	V	-	-	-78.40	5.72	34.32	-60.93	-13.00	-47.93

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

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

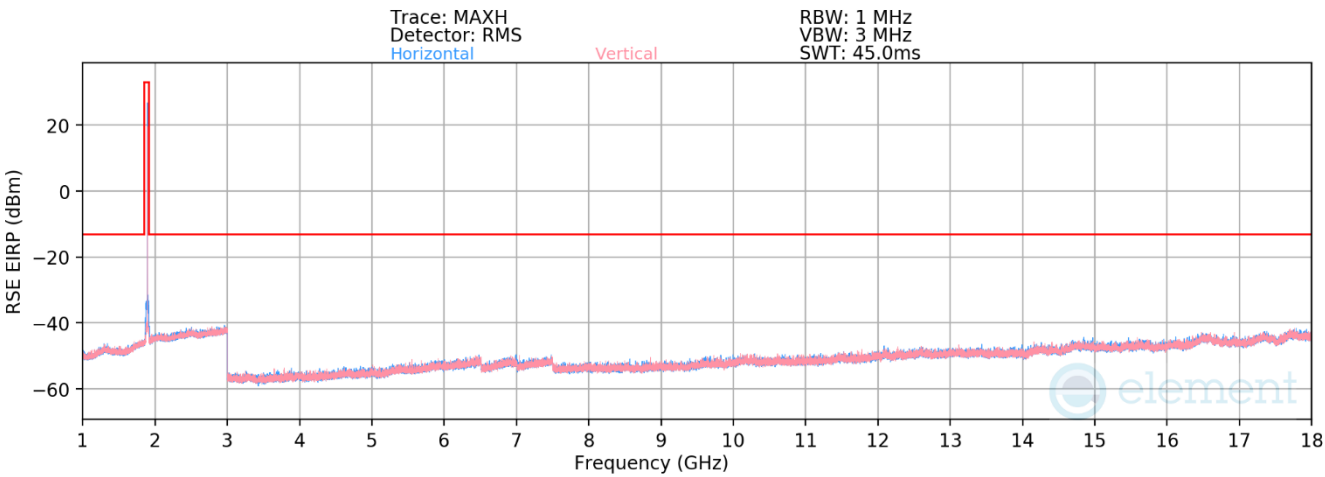
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3810.00	V	-	-	-76.17	2.15	32.99	-62.27	-13.00	-49.27
5715.00	V	-	-	-77.94	4.24	33.30	-61.96	-13.00	-48.96
7620.00	V	-	-	-78.39	5.92	34.53	-60.73	-13.00	-47.73

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

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NR Band n25/2



Plot 7-339. Radiated Spurious Plot (NR Band n25/2)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3740.0	H	-	-	-77.20	2.48	32.28	-62.98	-13.00	-49.98
5610.0	H	-	-	-77.67	5.33	34.66	-60.60	-13.00	-47.60
7480.0	V	-	-	-78.05	7.76	36.71	-58.55	-13.00	-45.55

Table 7-25. Antenna 4b 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	-	-	-77.34	2.48	32.14	-63.12	-13.00	-50.12
5647.5	V	-	-	-78.07	5.62	34.56	-60.70	-13.00	-47.70
7530.0	V	-	-	-79.34	8.13	35.79	-59.47	-13.00	-46.47

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

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

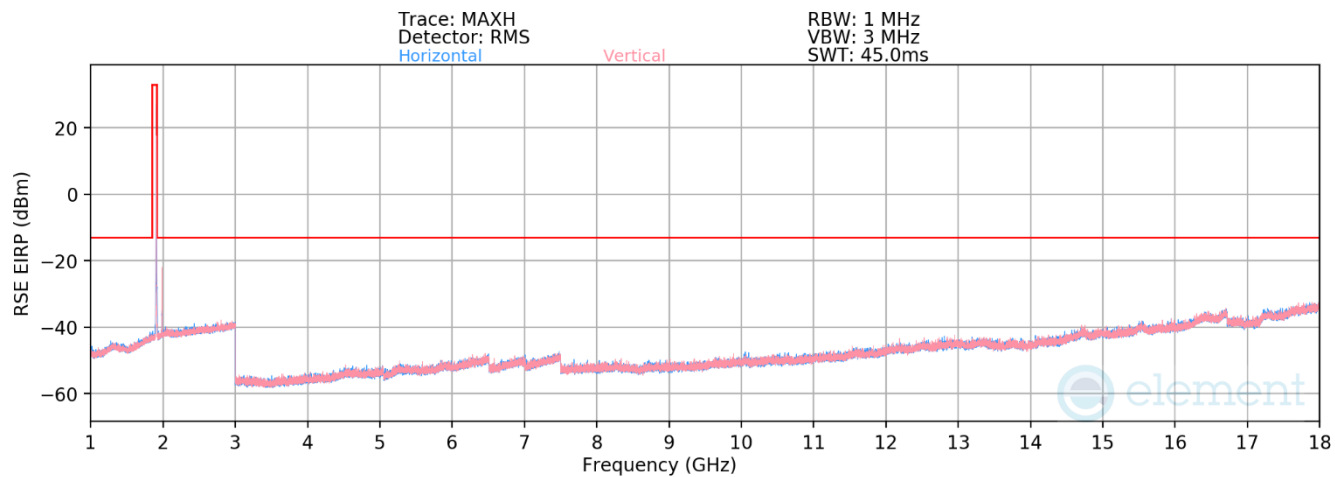
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3790.0	V	-	-	-76.62	2.12	32.50	-62.76	-13.00	-49.76
5685.0	V	-	-	-78.12	5.61	34.49	-60.76	-13.00	-47.76
7580.0	V	-	-	-79.11	7.86	35.75	-59.50	-13.00	-46.50

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

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WCDMA PCS



Plot 7-340. Radiated Spurious Plot (WCDMA PCS)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3704.8	V	-	-	-78.81	4.50	32.69	-62.57	-13.00	-49.57
5557.2	H	-	-	-79.97	8.31	35.33	-59.92	-13.00	-46.92
7409.6	V	-	-	-79.15	10.88	38.73	-56.53	-13.00	-43.53

Table 7-28. Antenna 4b 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	-	-	-78.65	4.30	32.65	-62.61	-13.00	-49.61
5640.0	H	-	-	-79.62	7.92	35.30	-59.96	-13.00	-46.96
7520.0	H	-	-	-81.01	10.77	36.76	-58.50	-13.00	-45.50

Table 7-29. Antenna 4b 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	V	-	-	-78.64	4.55	32.90	-62.36	-13.00	-49.36
5722.8	V	-	-	-79.65	8.32	35.66	-59.59	-13.00	-46.59
7630.4	V	-	-	-81.49	11.55	37.07	-58.19	-13.00	-45.19

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

FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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7.7.2 Antenna 1 – Radiated Spurious Emission Measurement

LTE Band 25/2

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3720.0	V	-	-	-76.02	1.29	32.27	-62.98	-13.00	-49.98
5580.0	H	-	-	-78.05	4.20	33.15	-62.11	-13.00	-49.11
7440.0	H	-	-	-77.56	5.53	34.96	-60.29	-13.00	-47.29

Table 7-31. Antenna 1 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	-	-	-76.36	2.15	32.80	-62.46	-13.00	-49.46
5647.5	V	-	-	-77.67	4.24	33.57	-61.69	-13.00	-48.69
7530.0	H	-	-	-78.25	5.92	34.67	-60.59	-13.00	-47.59

Table 7-32. Antenna 1 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	-	-	-76.36	2.15	32.80	-62.46	-13.00	-49.46
5715.00	V	-	-	-77.67	4.24	33.57	-61.69	-13.00	-48.69
7620.00	H	-	-	-78.25	5.92	34.67	-60.59	-13.00	-47.59

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

FCC ID: BCGA3358		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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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	H	-	-	-77.08	2.57	32.48	-62.78	-13.00	-49.78
5610.0	V	-	-	-77.61	5.35	34.74	-60.52	-13.00	-47.52
7480.0	H	-	-	-78.20	7.86	36.66	-58.60	-13.00	-45.60

Table 7-34. Antenna 1 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	-	-	-76.80	2.08	32.28	-62.98	-13.00	-49.98
5647.5	V	-	-	-77.93	5.35	34.42	-60.84	-13.00	-47.84
7530.0	V	-	-	-79.28	8.13	35.84	-59.42	-13.00	-46.42

Table 7-35. Antenna 1 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	-	-	-76.60	2.12	32.52	-62.74	-13.00	-49.74
5685.0	H	-	-	-78.16	5.62	34.47	-60.79	-13.00	-47.79
7580.0	H	-	-	-78.83	7.86	36.03	-59.22	-13.00	-46.22

Table 7-36. Antenna 1 Radiated Spurious Data (NR Band n25/2 – High Channel)

FCC ID: BCGA3358		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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WCDMA PCS

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3704.8	H	-	-	-79.02	4.50	32.49	-62.77	-13.00	-49.77
5557.2	V	-	-	-80.11	8.47	35.36	-59.90	-13.00	-46.90
7409.6	V	-	-	-79.11	10.88	38.76	-56.49	-13.00	-43.49

Table 7-37. Antenna 1 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	V	-	-	-78.58	4.53	32.95	-62.31	-13.00	-49.31
5640.0	V	-	-	-79.73	7.92	35.20	-60.06	-13.00	-47.06
7520.0	H	-	-	-81.25	10.99	36.74	-58.52	-13.00	-45.52

Table 7-38. Antenna 1 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	-	-	-78.69	4.55	32.86	-62.40	-13.00	-49.40
5722.8	H	-	-	-79.95	8.61	35.66	-59.60	-13.00	-46.60
7630.4	V	-	-	-81.70	11.55	36.86	-58.40	-13.00	-45.40

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

FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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7.7.3 Antenna 3 – 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	-	-	-76.08	1.35	32.28	-62.98	-13.00	-49.98
5580.0	H	-	-	-77.94	4.26	33.32	-61.94	-13.00	-48.94
7440.0	H	-	-	-77.48	5.50	35.02	-60.23	-13.00	-47.23

Table 7-40. Antenna 3 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	-	-	-76.18	1.66	32.48	-62.78	-13.00	-49.78
5647.5	H	-	-	-77.95	4.09	33.15	-62.11	-13.00	-49.11
7530.0	V	-	-	-78.38	5.72	34.35	-60.91	-13.00	-47.91

Table 7-41. Antenna 3 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	-	-	-76.05	1.76	32.71	-62.55	-13.00	-49.55
5715.00	V	-	-	-77.68	4.10	33.42	-61.83	-13.00	-48.83
7620.00	H	-	-	-78.60	6.07	34.47	-60.78	-13.00	-47.78

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

FCC ID: BCGA3358		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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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	-	-	-77.25	2.57	32.32	-62.94	-13.00	-49.94
5610.0	V	-	-	-77.89	5.35	34.46	-60.80	-13.00	-47.80
7480.0	H	-	-	-78.13	7.76	36.63	-58.63	-13.00	-45.63

Table 7-43. Antenna 3 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	-	-	-76.95	2.08	32.13	-63.13	-13.00	-50.13
5647.5	V	-	-	-77.83	5.35	34.52	-60.74	-13.00	-47.74
7530.0	V	-	-	-79.18	8.13	35.94	-59.31	-13.00	-46.31

Table 7-44. Antenna 3 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	-	-	-76.67	2.01	32.34	-62.91	-13.00	-49.91
5685.0	H	-	-	-78.08	5.62	34.54	-60.72	-13.00	-47.72
7580.0	V	-	-	-78.86	7.86	36.00	-59.25	-13.00	-46.25

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

FCC ID: BCGA3358		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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WCDMA PCS

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3704.8	V	-	-	-78.78	4.52	32.74	-62.51	-13.00	-49.51
5557.2	V	-	-	-79.82	8.31	35.48	-59.77	-13.00	-46.77
7409.6	V	-	-	-78.86	10.60	38.74	-56.52	-13.00	-43.52

Table 7-46. Antenna 3 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	V	-	-	-78.55	4.30	32.74	-62.51	-13.00	-49.51
5640.0	H	-	-	-79.73	7.92	35.19	-60.07	-13.00	-47.07
7520.0	H	-	-	-81.10	10.77	36.67	-58.59	-13.00	-45.59

Table 7-47. Antenna 3 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	V	-	-	-78.80	4.61	32.81	-62.45	-13.00	-49.45
5722.8	V	-	-	-79.55	8.32	35.76	-59.49	-13.00	-46.49
7630.4	H	-	-	-81.50	11.55	37.05	-58.21	-13.00	-45.21

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

FCC ID: BCGA3358	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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7.7.4 Antenna 2b – Radiated Spurious Emission Measurement

LTE Band 25/2

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3720.0	V	266	321	-69.03	1.29	39.26	-56.00	-13.00	-43.00
5580.0	V	-	-	-77.82	4.20	33.38	-61.88	-13.00	-48.88
7440.0	H	-	-	-77.40	5.50	35.09	-60.17	-13.00	-47.17
9300.0	V	-	-	-78.21	6.25	35.04	-60.22	-13.00	-47.22

Table 7-49. 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	V	237	316	-72.21	1.53	36.32	-58.94	-13.00	-45.94
5647.5	V	-	-	-78.01	4.24	33.24	-62.02	-13.00	-49.02
7530.0	V	-	-	-78.09	5.67	34.58	-60.68	-13.00	-47.68
9412.5	V	-	-	-78.38	6.39	35.01	-60.24	-13.00	-47.24

Table 7-50. 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	V	252	320	-73.70	2.15	35.45	-59.81	-13.00	-46.81
5715.00	H	-	-	-77.50	4.10	33.59	-61.66	-13.00	-48.66
7620.00	H	-	-	-78.71	6.16	34.46	-60.80	-13.00	-47.80
9525.00	H	-	-	-78.65	6.84	35.19	-60.07	-13.00	-47.07

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

FCC ID: BCGA3358		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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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	-	-	-77.04	2.38	32.34	-62.91	-13.00	-49.91
5610.0	V	-	-	-77.79	5.35	34.57	-60.69	-13.00	-47.69
7480.0	V	-	-	-77.91	7.76	36.86	-58.40	-13.00	-45.40

Table 7-52. 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	199	232	-73.62	2.23	35.61	-59.65	-13.00	-46.65
5647.5	H	-	-	-77.91	5.61	34.70	-60.56	-13.00	-47.56
7530.0	H	-	-	-79.24	8.06	35.82	-59.44	-13.00	-46.44
9412.5	V	-	-	-79.20	8.34	36.14	-59.12	-13.00	-46.12

Table 7-53. 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	V	131	228	-72.15	2.01	36.86	-58.40	-13.00	-45.40
5685.0	H	-	-	-78.15	5.61	34.46	-60.79	-13.00	-47.79
7580.0	V	-	-	-79.09	7.86	35.77	-59.49	-13.00	-46.49
9475.0	H	-	-	-79.31	8.52	36.20	-59.05	-13.00	-46.05

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

FCC ID: BCGA3358		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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WCDMA PCS

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3704.8	V	-	-	-78.74	4.50	32.76	-62.49	-13.00	-49.49
5557.2	H	-	-	-79.85	8.31	35.46	-59.80	-13.00	-46.80
7409.6	V	-	-	-79.19	10.88	38.69	-56.57	-13.00	-43.57

Table 7-55. 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	V	-	-	-78.58	4.30	32.71	-62.54	-13.00	-49.54
5640.0	V	-	-	-79.66	7.85	35.19	-60.07	-13.00	-47.07
7520.0	V	-	-	-80.79	10.77	36.98	-58.27	-13.00	-45.27

Table 7-56. 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	V	-	-	-78.52	4.61	33.08	-62.18	-13.00	-49.18
5722.8	V	-	-	-79.45	8.32	35.87	-59.39	-13.00	-46.39
7630.4	H	-	-	-81.67	11.55	36.88	-58.37	-13.00	-45.37

Table 7-57. Antenna 2b Radiated Spurious Data (WCDMA PCS – High Channel)

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7.8 Frequency Stability / Temperature Variation

\$2.1055, \$24.235

Test Overview and Limit

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

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

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

Test Procedure Used

ANSI C63.26-2015

TIA-603-E-2016

Test Settings

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

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Test Setup

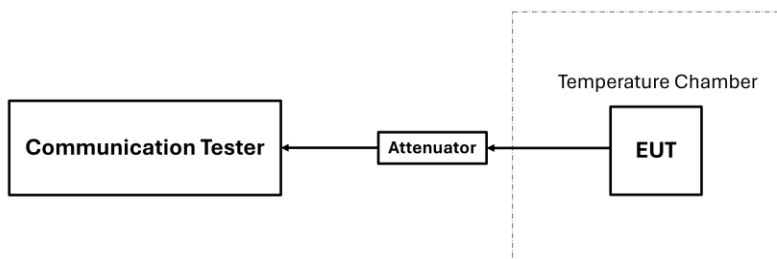


Figure 7-13. LTE Test Instrument & Measurement Setup

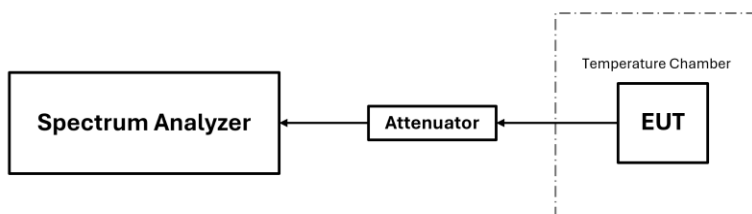


Figure 7-14. FR1 Test Instrument & Measurement Setup

Test Notes

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

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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	1.85052397	-0.00052397
		- 20	1.85048264	-0.00048264
		- 10	1.85056015	-0.00056015
		0	1.85040739	-0.00040739
		+ 10	1.85059984	-0.00059984
		+ 20 (Ref)	1.85046603	-0.00046603
		+ 30	1.85041658	-0.00041658
		+ 40	1.85053567	-0.00053567
		+ 50	1.85045074	-0.00045074
Battery Endpoint	3.40	+ 20	1.85058412	-0.00058412

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	1.91450938	-0.00049062
		- 20	1.91459015	-0.00040985
		- 10	1.91447321	-0.00052679
		0	1.91442397	-0.00057604
		+ 10	1.91455947	-0.00044053
		+ 20 (Ref)	1.91448424	-0.00051576
		+ 30	1.91444478	-0.00055522
		+ 40	1.91453469	-0.00046531
		+ 50	1.91441831	-0.00058170
Battery Endpoint	3.40	+ 20	1.91457781	-0.00042219

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

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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	1.85074511	-0.00074511
		- 20	1.85077346	-0.00077346
		- 10	1.85070783	-0.00070783
		0	1.85079255	-0.00079255
		+ 10	1.85073620	-0.00073620
		+ 20 (Ref)	1.85072169	-0.00072169
		+ 30	1.85078835	-0.00078835
		+ 40	1.85076590	-0.00076590
		+ 50	1.85072948	-0.00072947
Battery Endpoint	3.40	+ 20	1.85075161	-0.00075161

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	1.91424578	-0.00075422
		- 20	1.91428750	-0.00071250
		- 10	1.91423106	-0.00076894
		0	1.91429460	-0.00070540
		+ 10	1.91427391	-0.00072609
		+ 20 (Ref)	1.91422038	-0.00077962
		+ 30	1.91429847	-0.00070153
		+ 40	1.91426611	-0.00073389
		+ 50	1.91421454	-0.00078546
Battery Endpoint	3.40	+ 20	1.91425169	-0.00074831

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

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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	1.85053422	-0.00053422
		- 20	1.85047395	-0.00047395
		- 10	1.85054637	-0.00054637
		0	1.85044563	-0.00044563
		+ 10	1.85050489	-0.00050489
		+ 20 (Ref)	1.85041768	-0.00041768
		+ 30	1.85053241	-0.00053241
		+ 40	1.85048519	-0.00048519
		+ 50	1.85044108	-0.00044108
Battery Endpoint	3.40	+ 20	1.85052236	-0.00052236

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

WCDMA PCS				
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	1.91446417	-0.00053583
		- 20	1.91453790	-0.00046210
		- 10	1.91442982	-0.00057019
		0	1.91458938	-0.00041062
		+ 10	1.91441100	-0.00058900
		+ 20 (Ref)	1.91455063	-0.00044937
		+ 30	1.91447194	-0.00052806
		+ 40	1.91459624	-0.00040376
		+ 50	1.91444209	-0.00055791
Battery Endpoint	3.40	+ 20	1.91451577	-0.00048423

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

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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: BCGA3358** complies with all the requirements of Part 24 of the FCC rules.

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