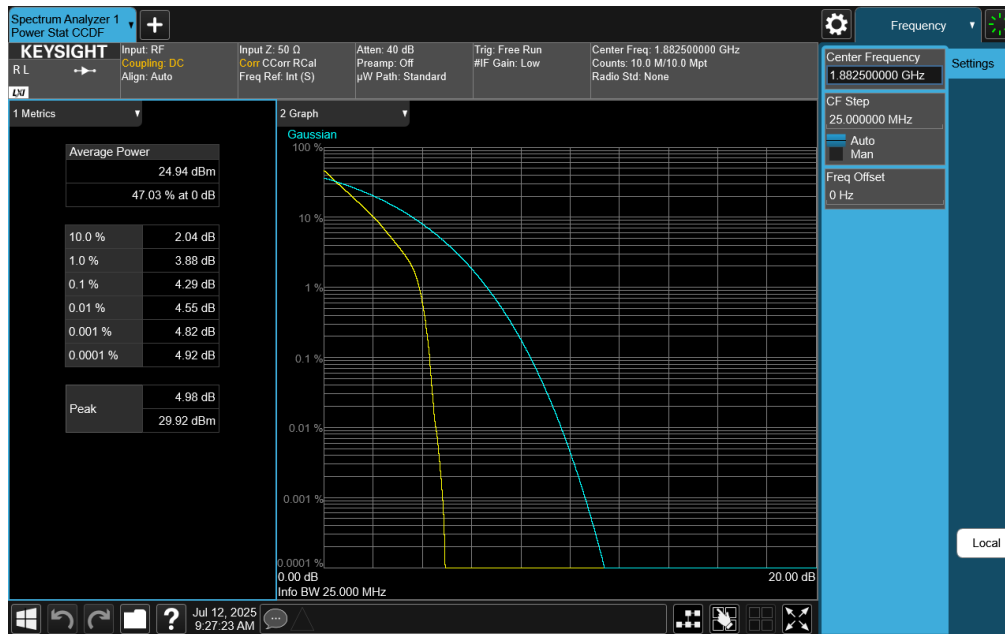
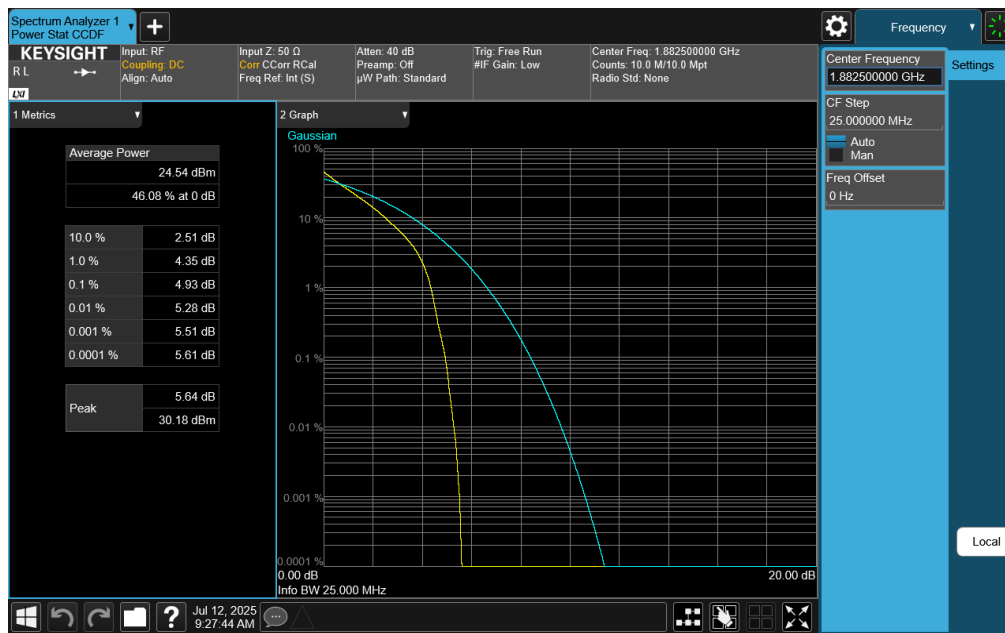




Plot 7-277. PAR Plot (NR Band n25 - 25MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

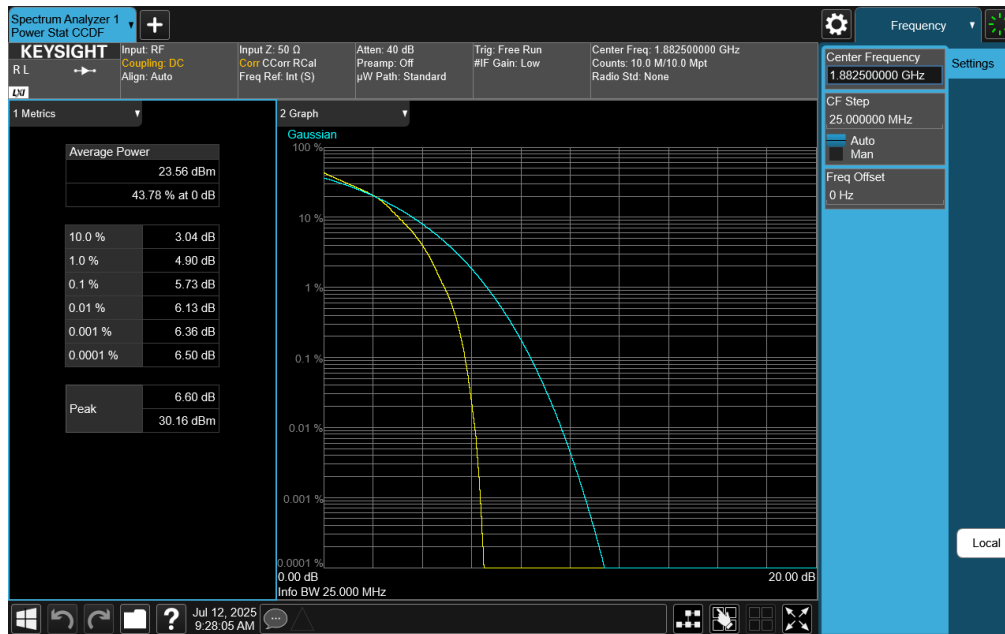


Plot 7-278. PAR Plot (NR Band n25 - 25MHz DFT-s-OFDM QPSK - Full RB)

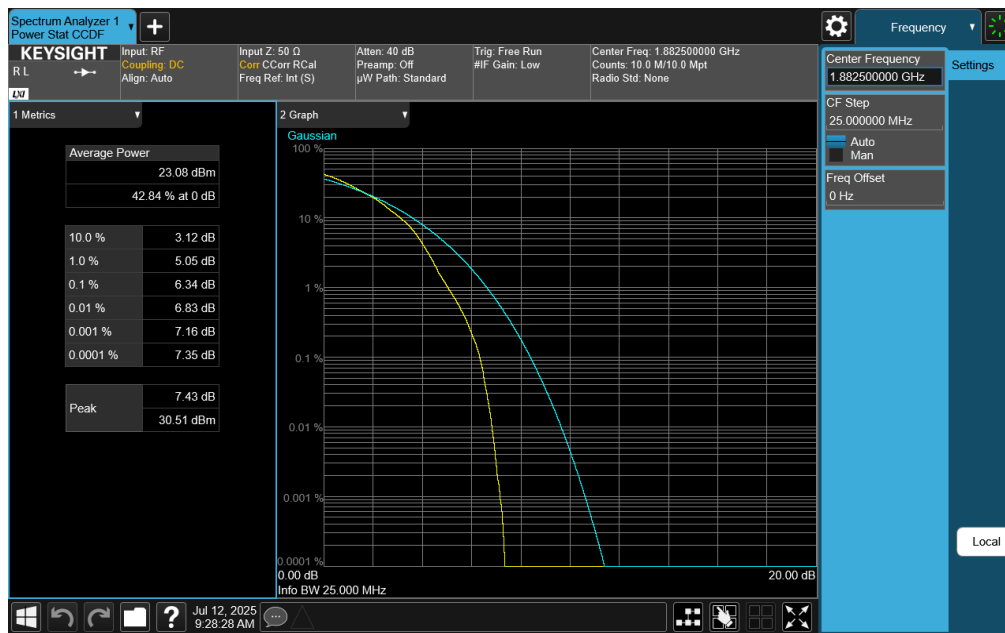
FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-279. PAR Plot (NR Band n25 - 25MHz DFT-s-OFDM 16-QAM - Full RB)

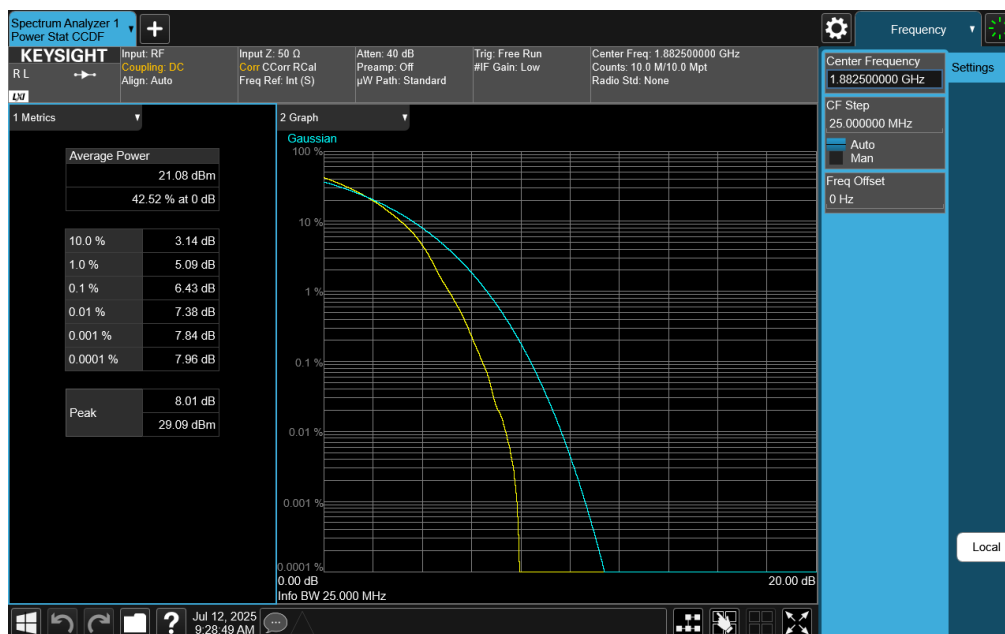


Plot 7-280. PAR Plot (NR Band n25 - 25MHz DFT-s-OFDM 64-QAM - Full RB)

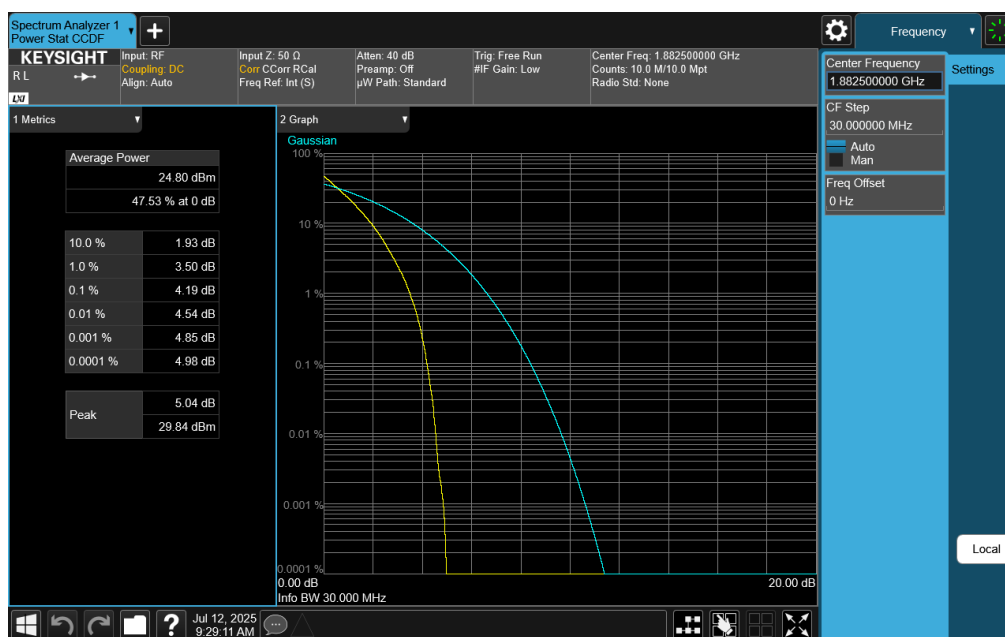
FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-08-R1.BCG	Test Dates: 5/9/2025 - 7/31/2025	EUT Type: Tablet Device
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Plot 7-281. PAR Plot (NR Band n25 - 25MHz DFT-s-OFDM 256-QAM - Full RB)

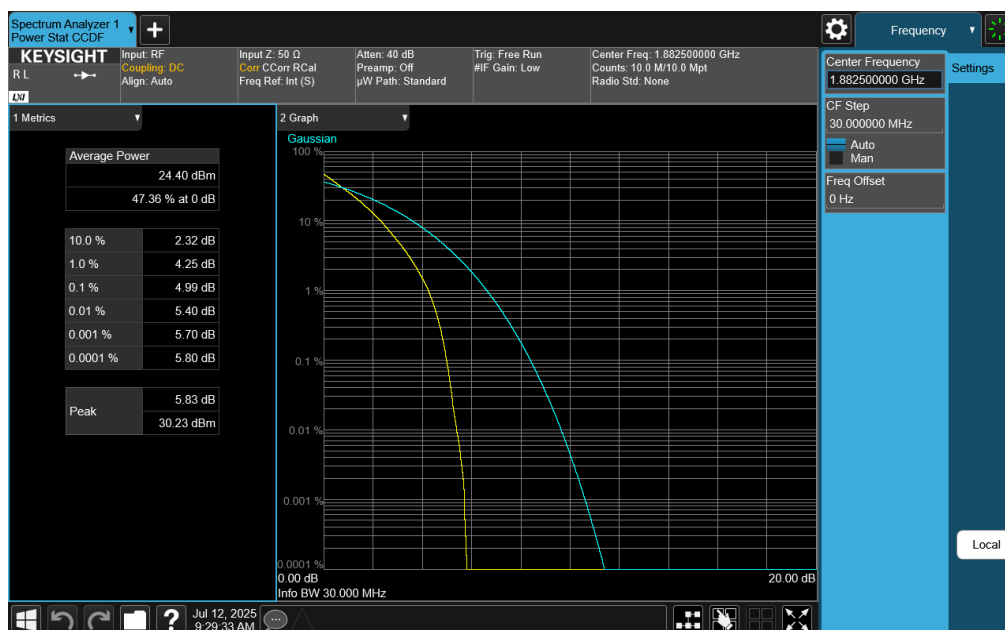


Plot 7-282. PAR Plot (NR Band n25 - 30MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

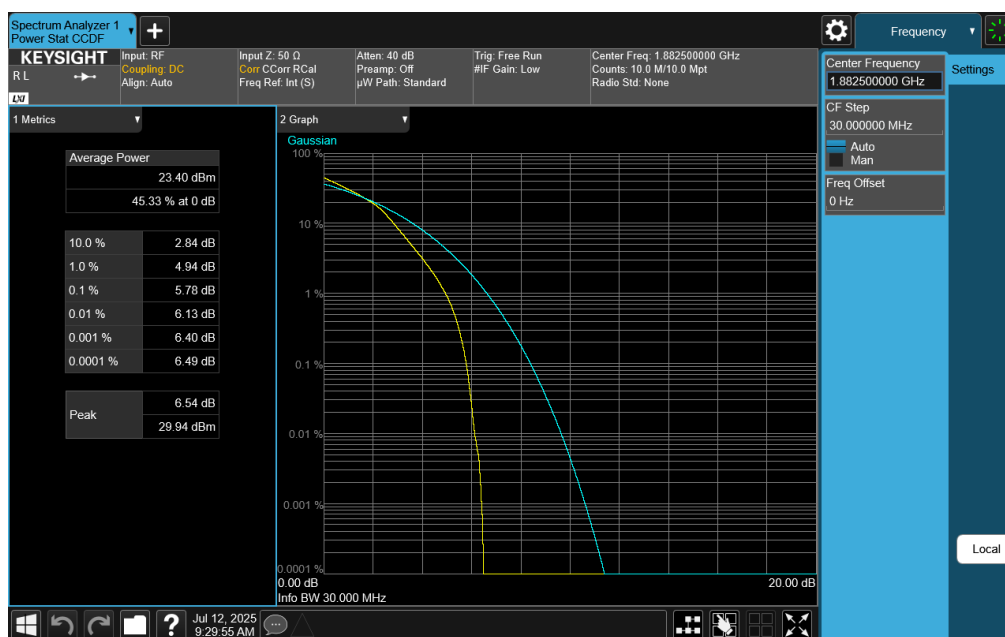
FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-08-R1.BCG	Test Dates: 5/9/2025 - 7/31/2025	EUT Type: Tablet Device
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Plot 7-283. PAR Plot (NR Band n25 - 30MHz DFT-s-OFDM QPSK - Full RB)

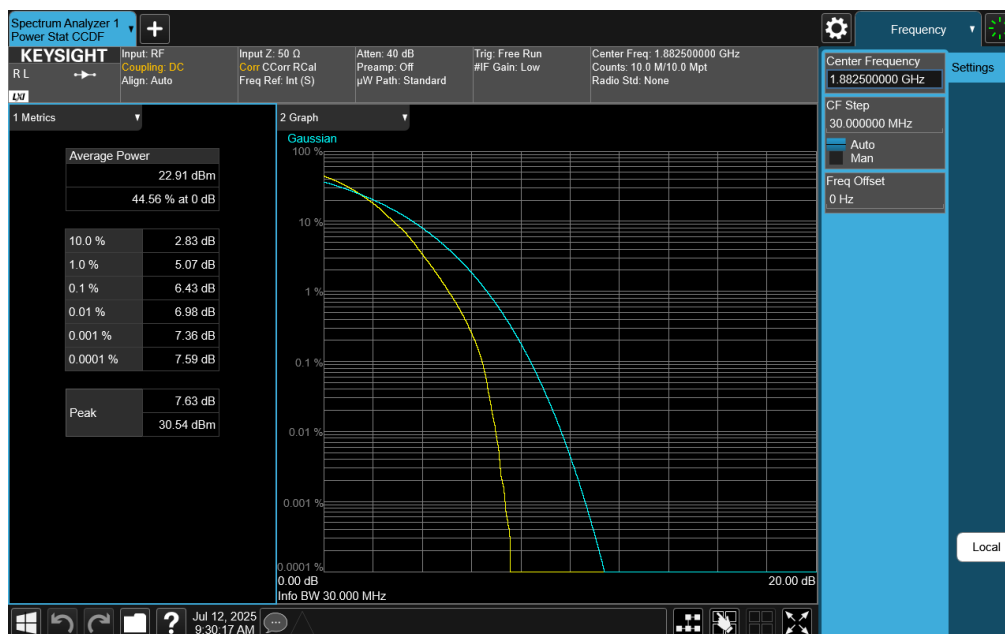


Plot 7-284. PAR Plot (NR Band n25 - 30MHz DFT-s-OFDM 16-QAM - Full RB)

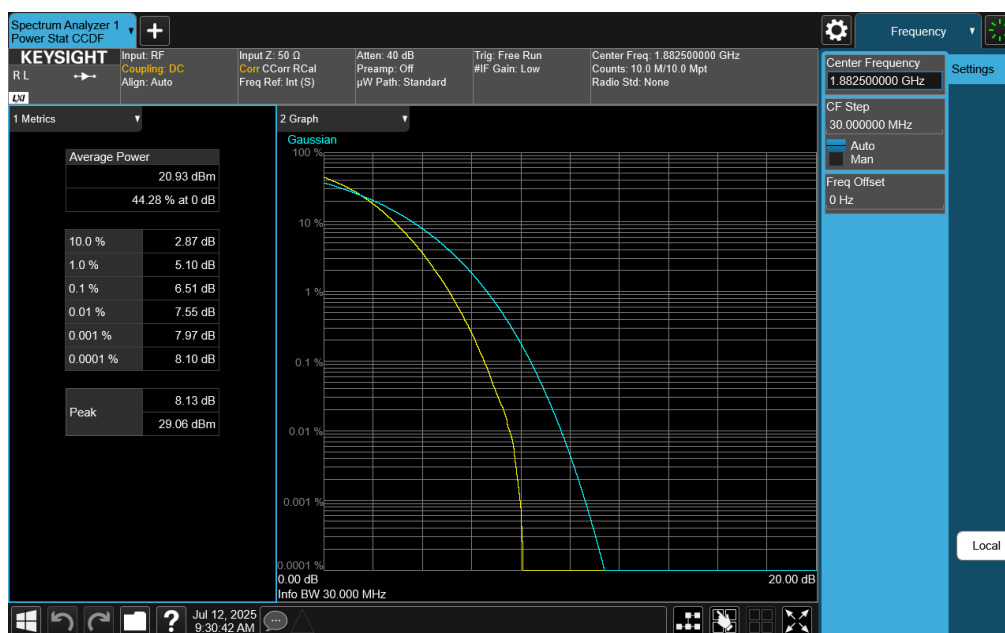
FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-08-R1.BCG	Test Dates: 5/9/2025 - 7/31/2025	EUT Type: Tablet Device
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Plot 7-285. PAR Plot (NR Band n25 - 30MHz DFT-s-OFDM 64-QAM - Full RB)

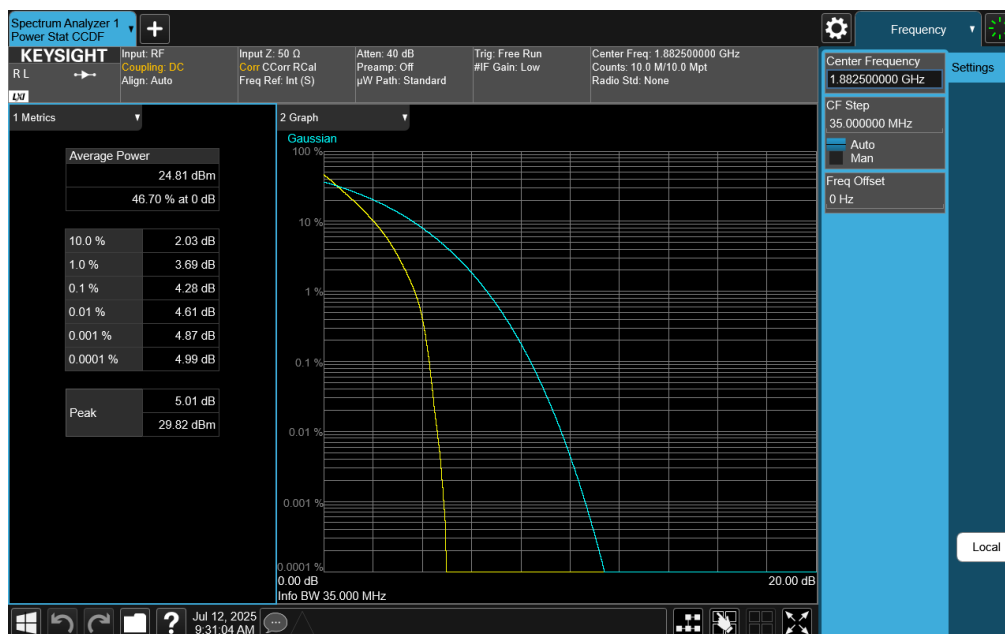


Plot 7-286. PAR Plot (NR Band n25 - 30MHz DFT-s-OFDM 256-QAM - Full RB)

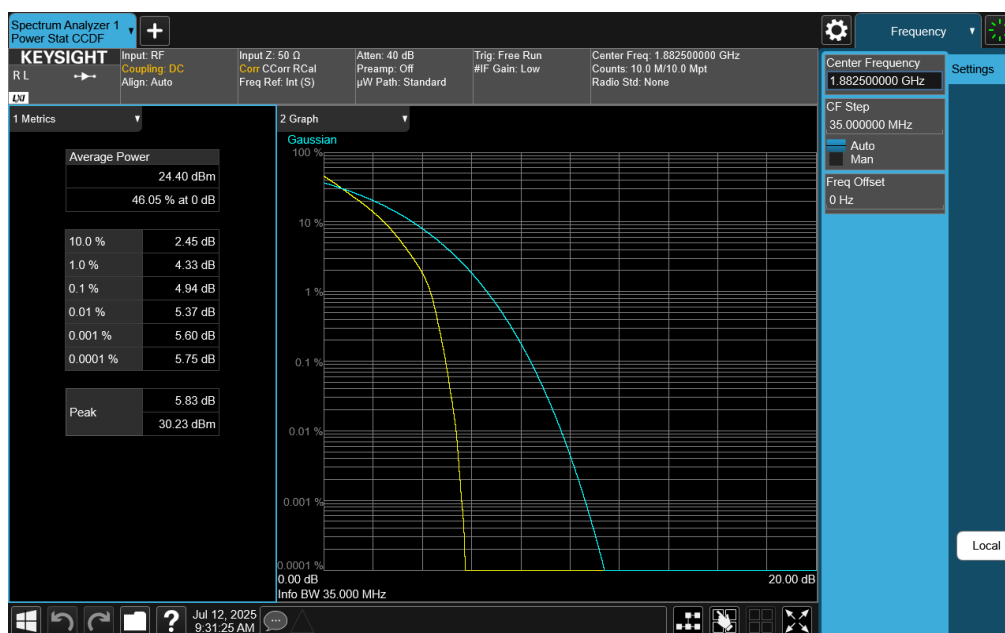
FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-08-R1.BCG	Test Dates: 5/9/2025 - 7/31/2025	EUT Type: Tablet Device
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Plot 7-287. PAR Plot (NR Band n25 - 35MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

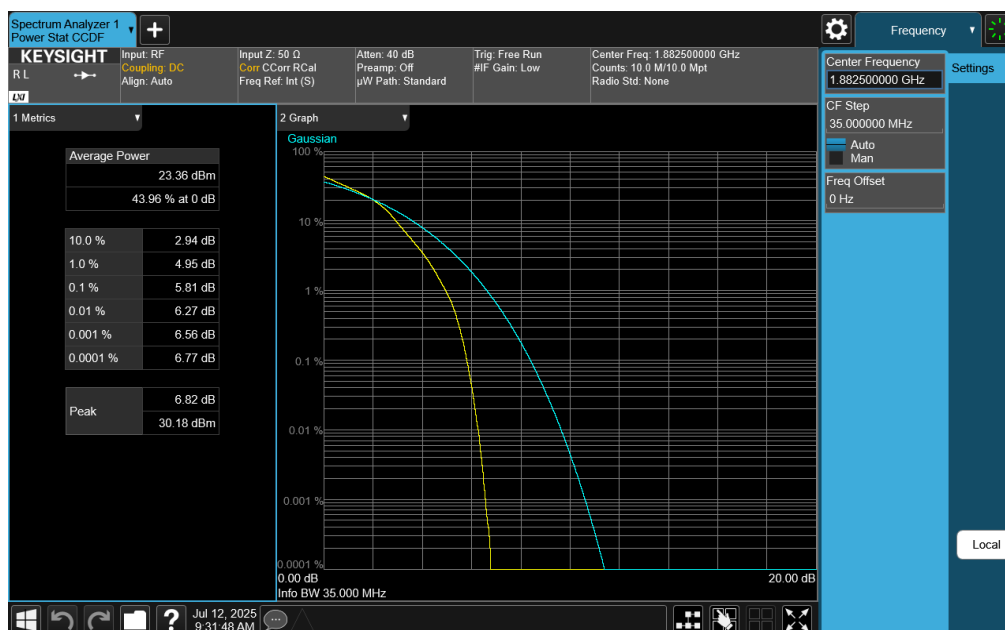


Plot 7-288. PAR Plot (NR Band n25 - 35MHz DFT-s-OFDM QPSK - Full RB)

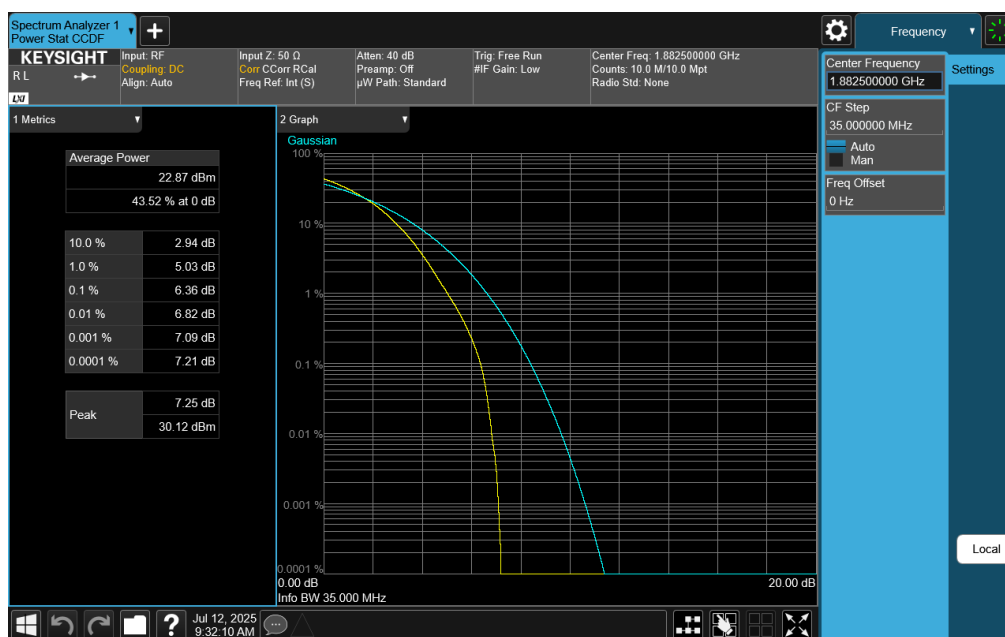
FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-08-R1.BCG	Test Dates: 5/9/2025 - 7/31/2025	EUT Type: Tablet Device
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Plot 7-289. PAR Plot (NR Band n25 - 35MHz DFT-s-OFDM 16-QAM - Full RB)

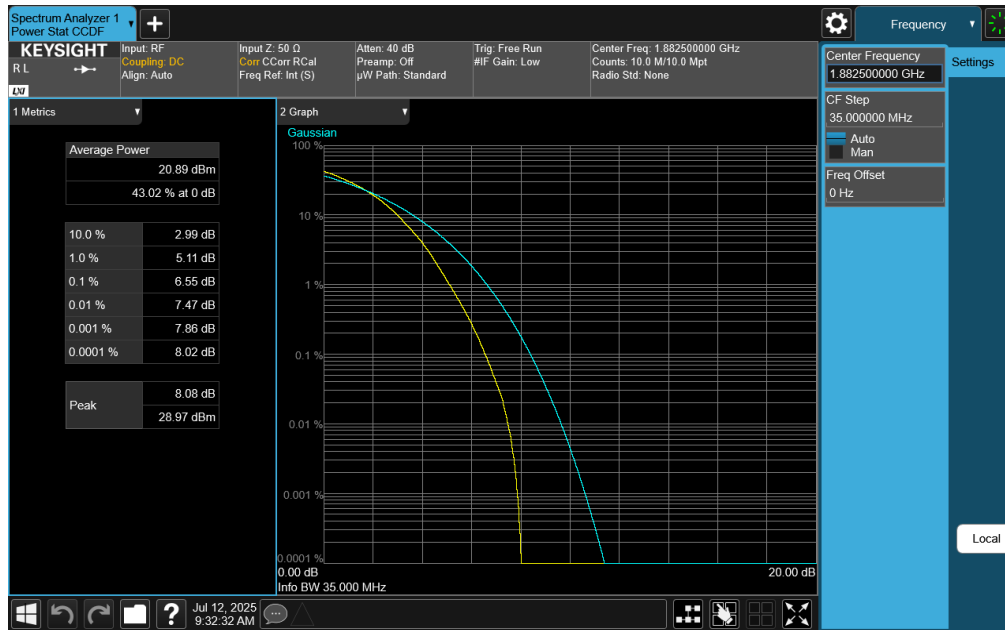


Plot 7-290. PAR Plot (NR Band n25 - 35MHz DFT-s-OFDM 64-QAM - Full RB)

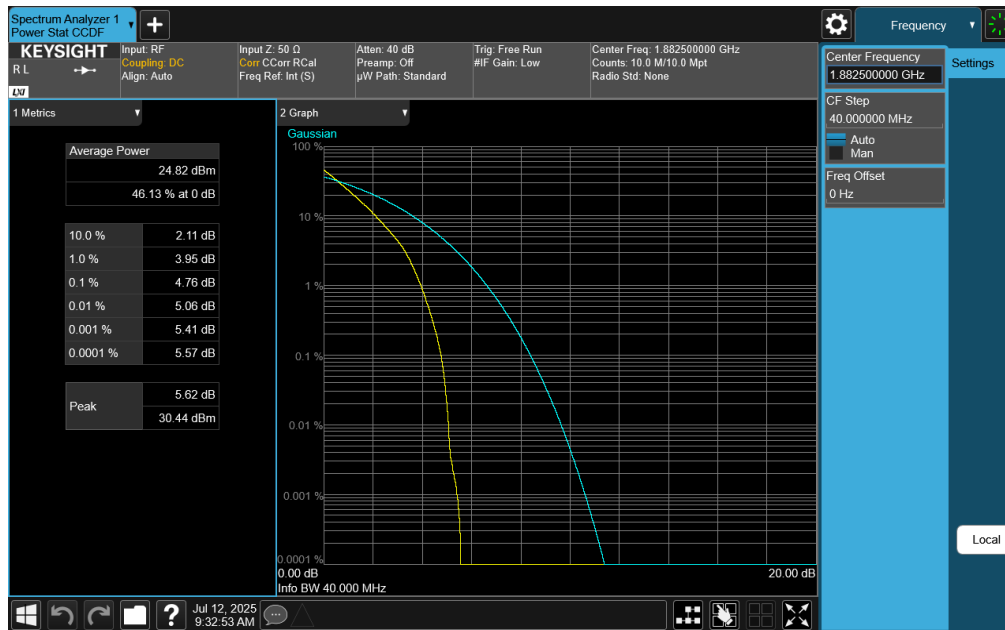
FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-08-R1.BCG	Test Dates: 5/9/2025 - 7/31/2025	EUT Type: Tablet Device
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Plot 7-291. PAR Plot (NR Band n25 - 35MHz DFT-s-OFDM 256-QAM - Full RB)

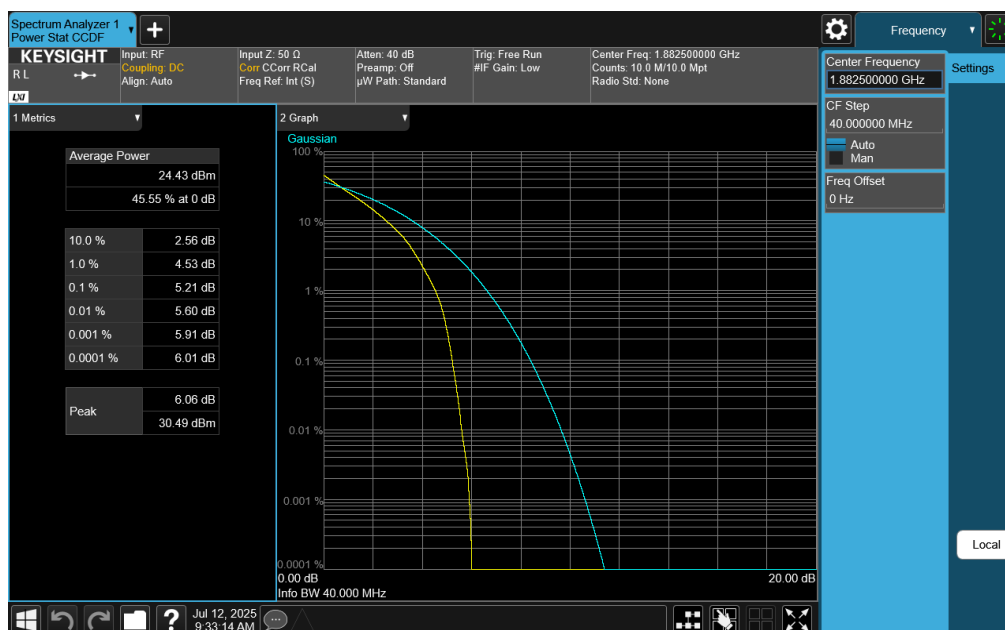


Plot 7-292. PAR Plot (NR Band n25 - 40MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

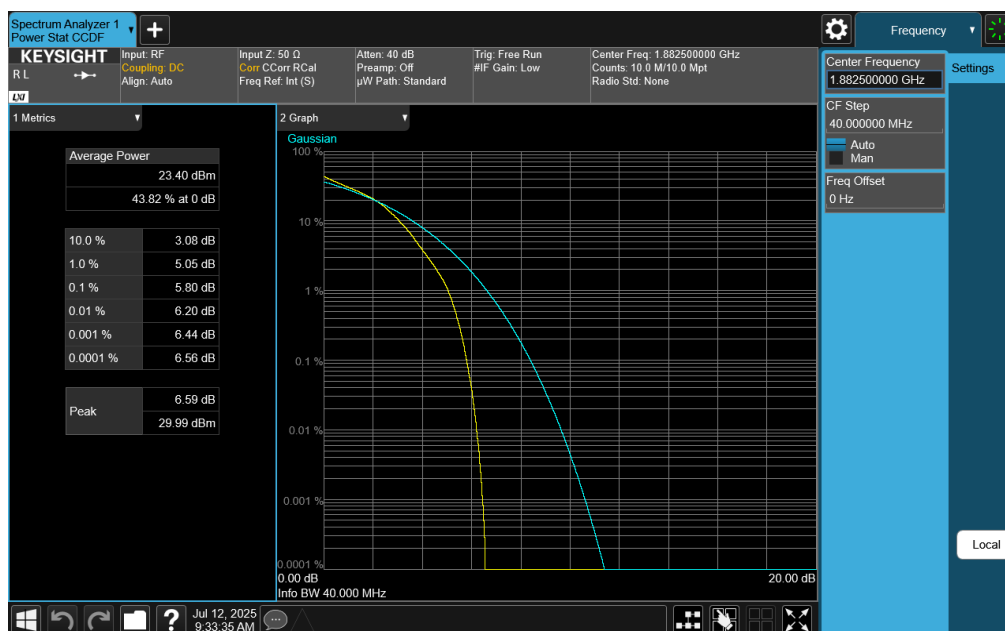
FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-293. PAR Plot (NR Band n25 - 40MHz DFT-s-OFDM QPSK - Full RB)

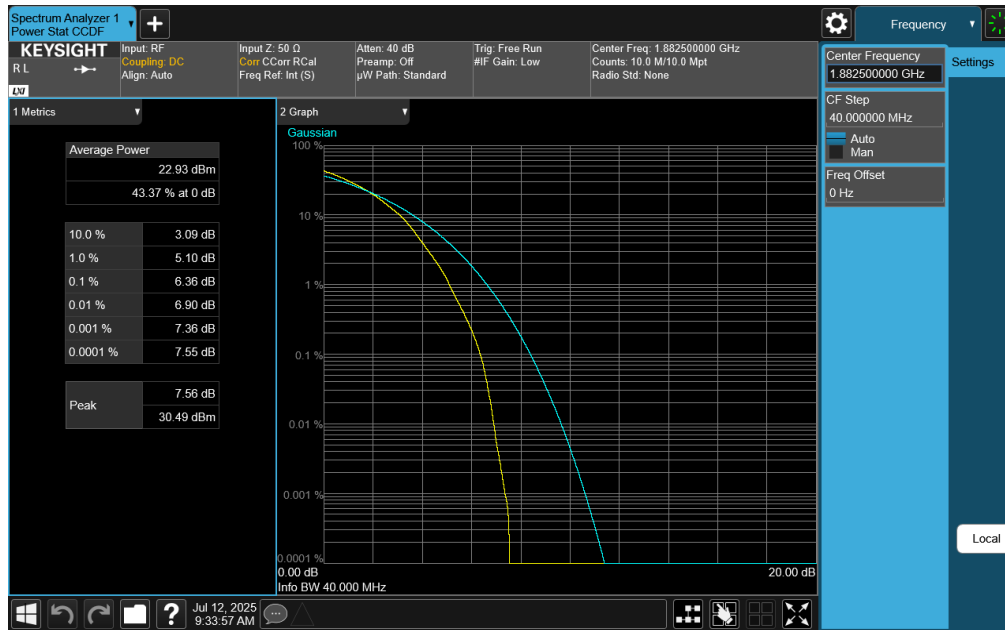


Plot 7-294. PAR Plot (NR Band n25 - 40MHz DFT-s-OFDM 16-QAM - Full RB)

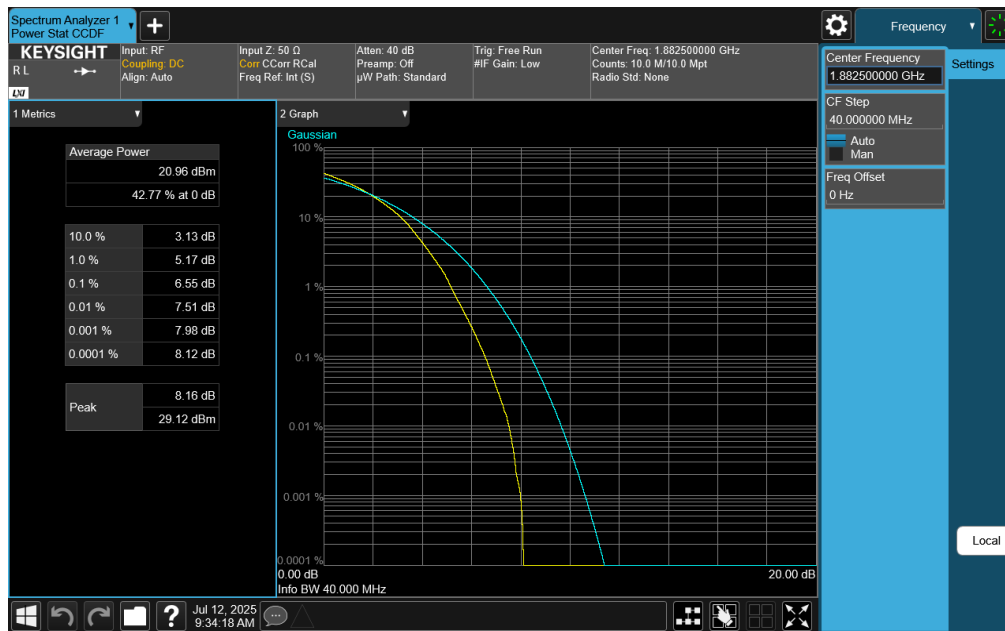
FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-295. PAR Plot (NR Band n25 - 40MHz DFT-s-OFDM 64-QAM - Full RB)



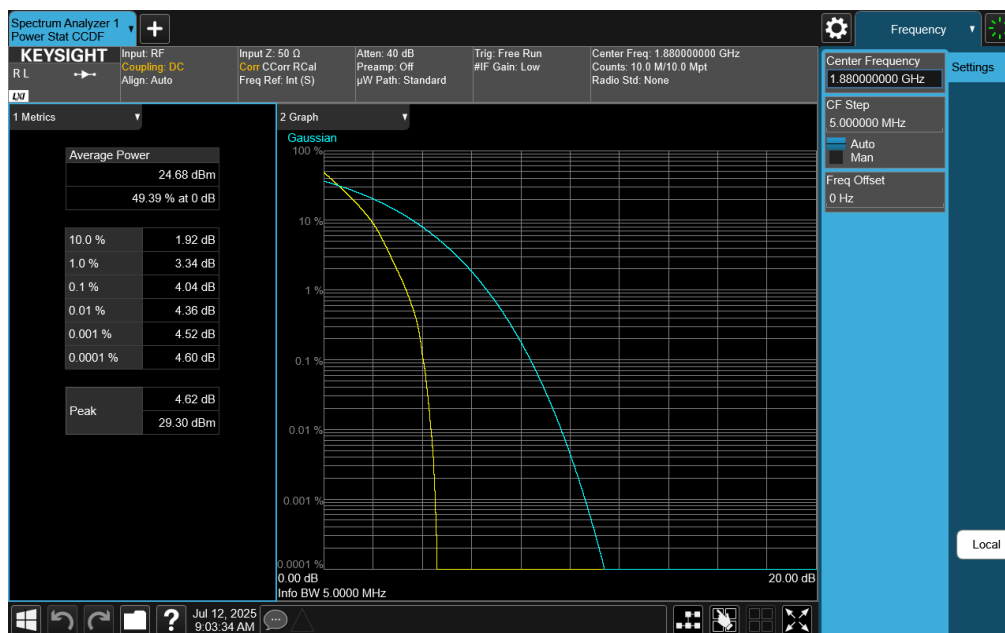
Plot 7-296. PAR Plot (NR Band n25 - 40MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-08-R1.BCG	Test Dates: 5/9/2025 - 7/31/2025	EUT Type: Tablet Device
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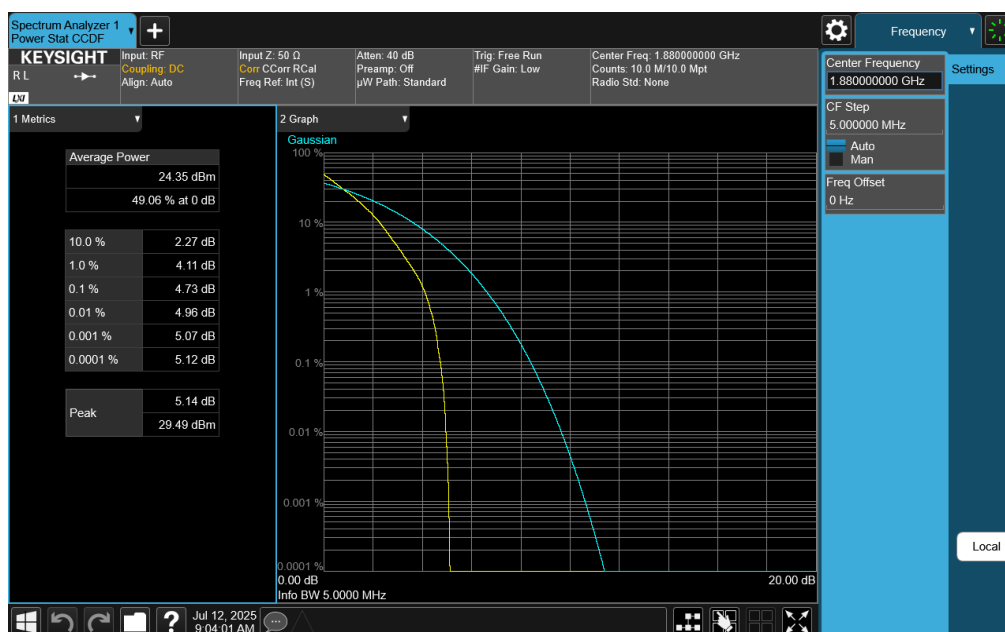
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NR Band n2



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

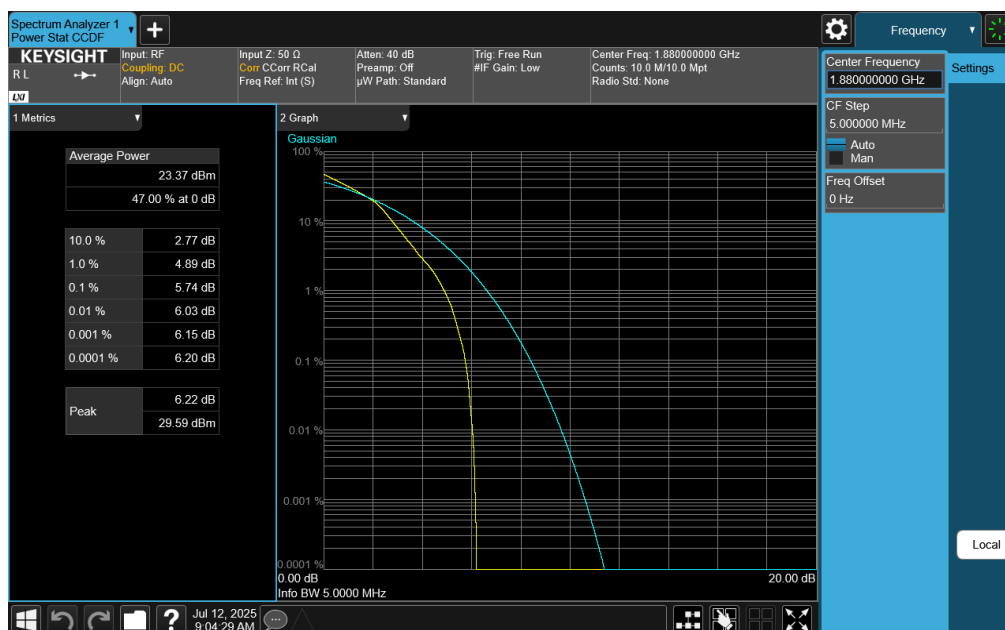


Plot 7-298. PAR Plot (NR Band n2 - 5MHz DFT-s-OFDM QPSK - Full RB)

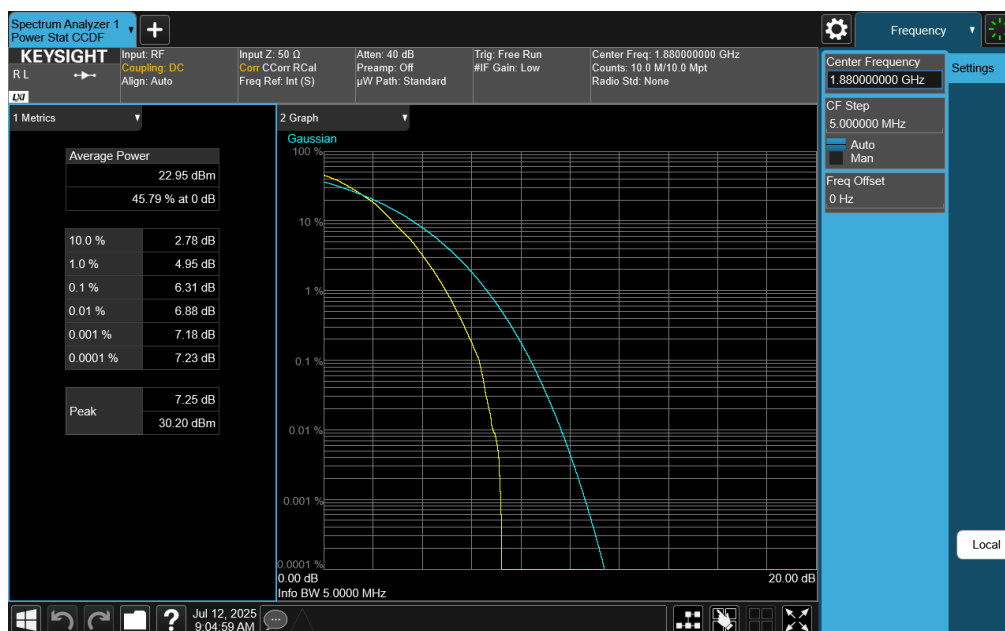
FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-299. PAR Plot (NR Band n2 - 5MHz DFT-s-OFDM 16-QAM - Full RB)

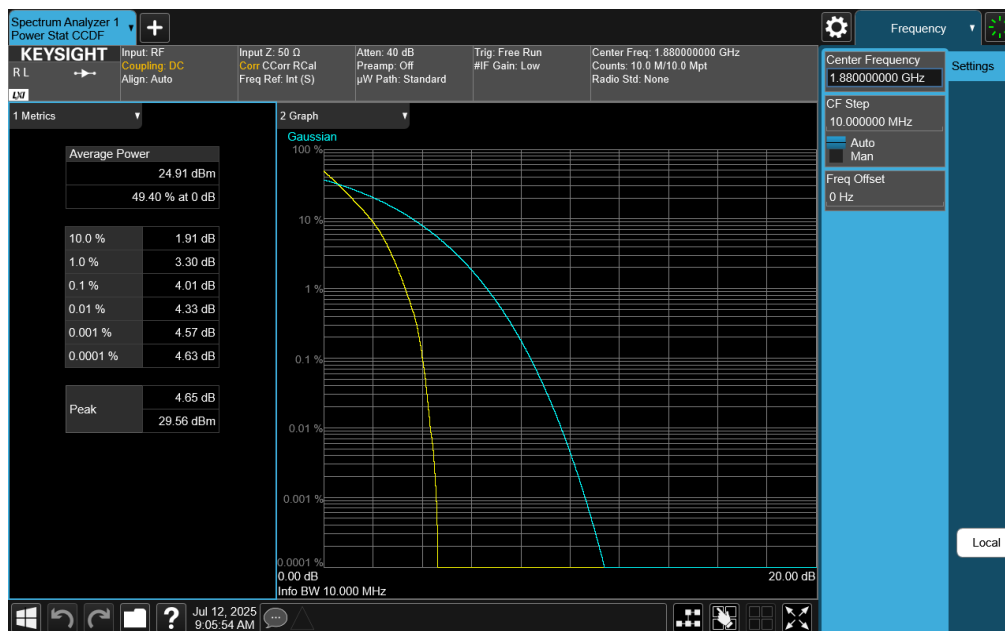
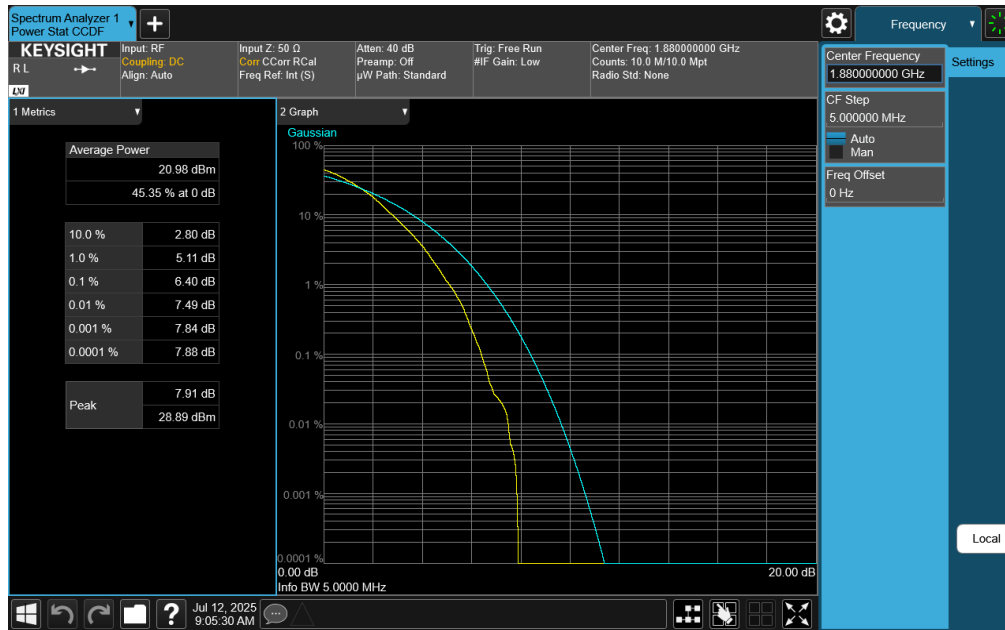


Plot 7-300. PAR Plot (NR Band n2 - 5MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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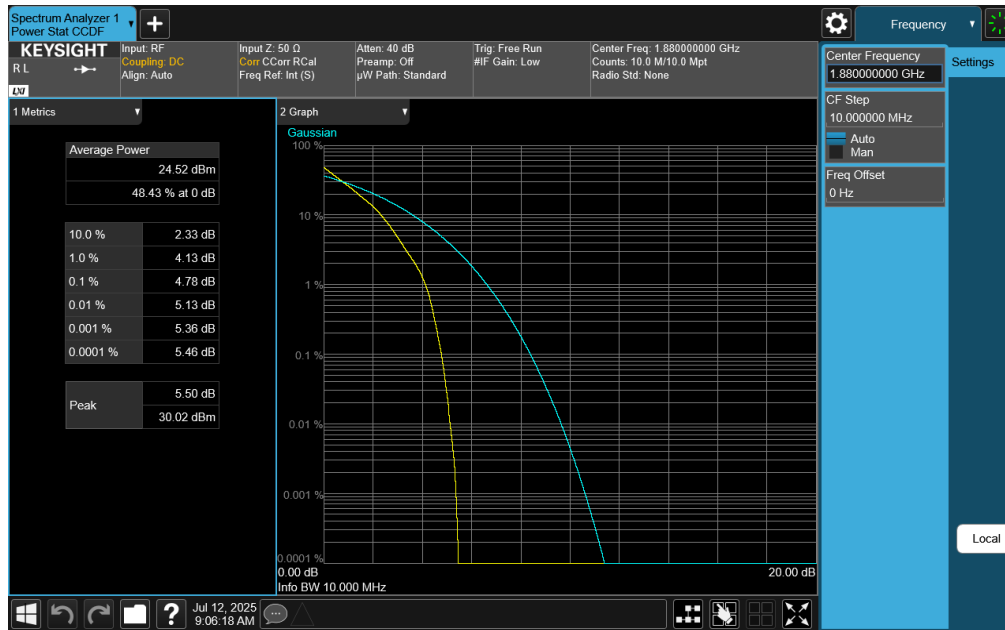
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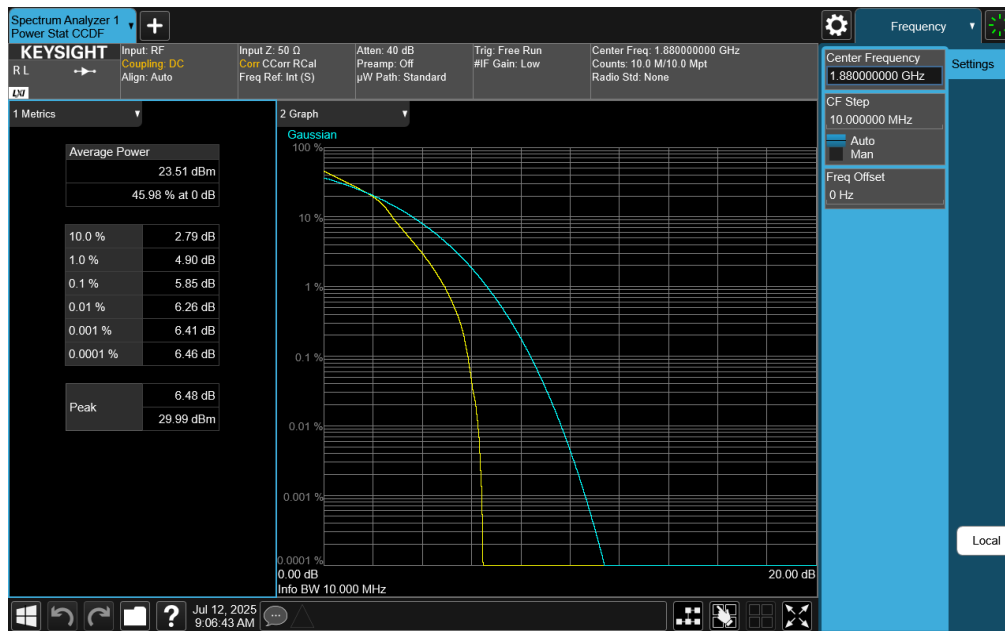
FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-303. PAR Plot (NR Band n2 - 10MHz DFT-s-OFDM QPSK - Full RB)

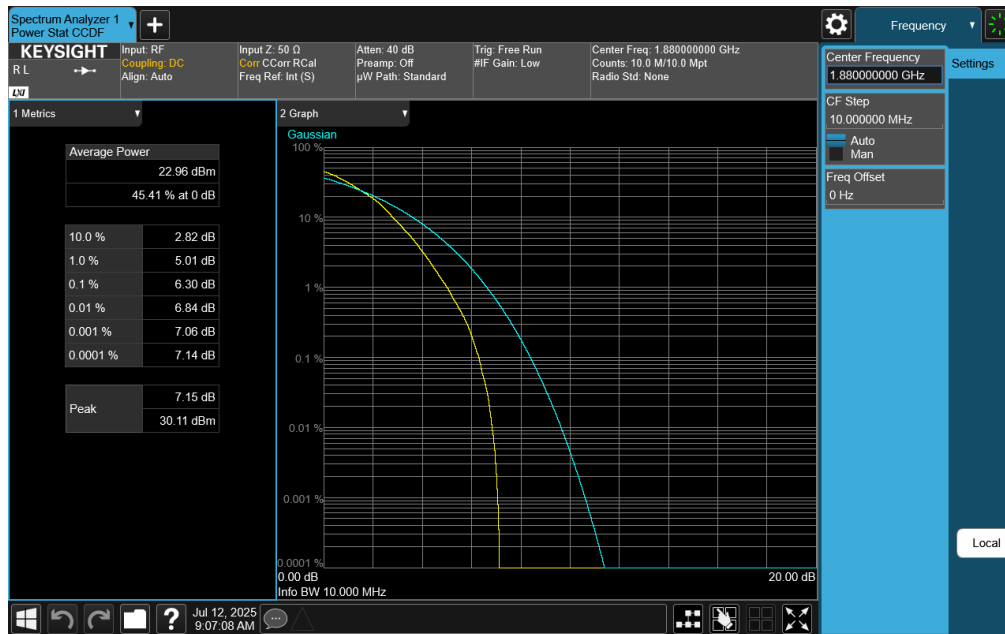


Plot 7-304. PAR Plot (NR Band n2 - 10MHz DFT-s-OFDM 16-QAM - Full RB)

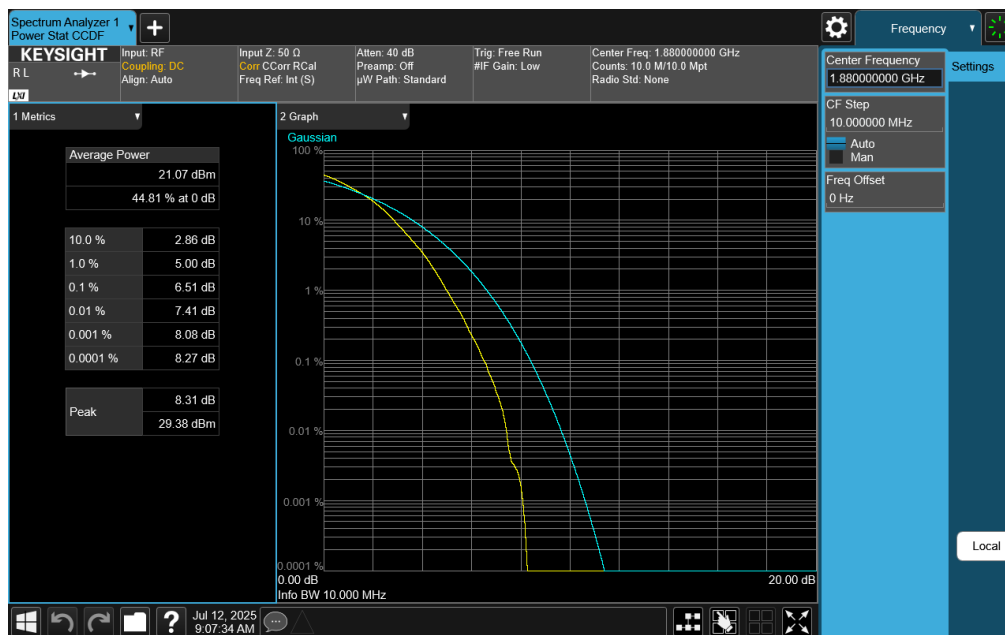
FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-305. PAR Plot (NR Band n2 - 10MHz DFT-s-OFDM 64-QAM - Full RB)

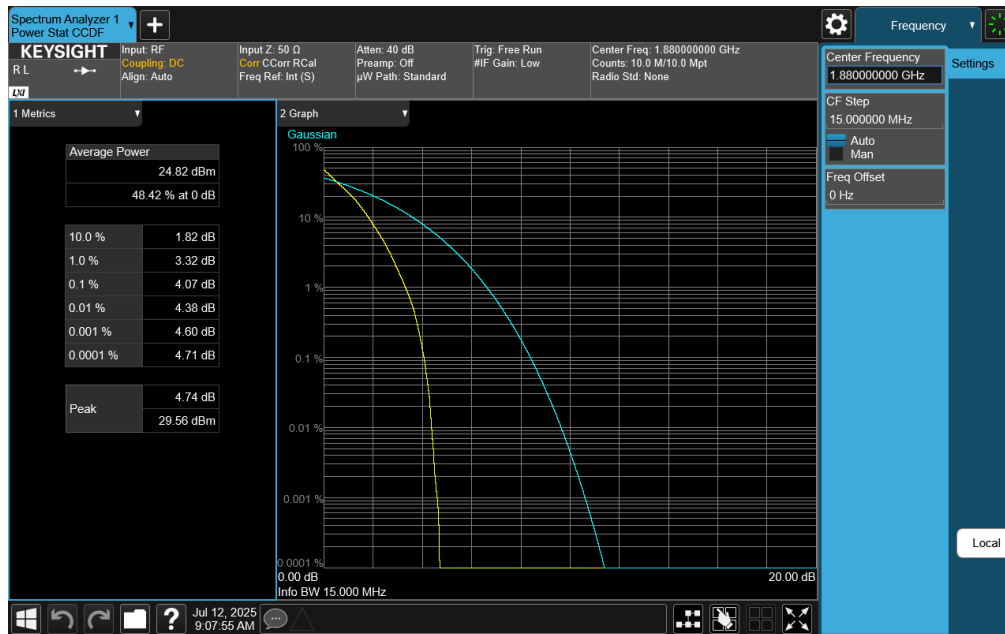


Plot 7-306. PAR Plot (NR Band n2 - 10MHz DFT-s-OFDM 256-QAM - Full RB)

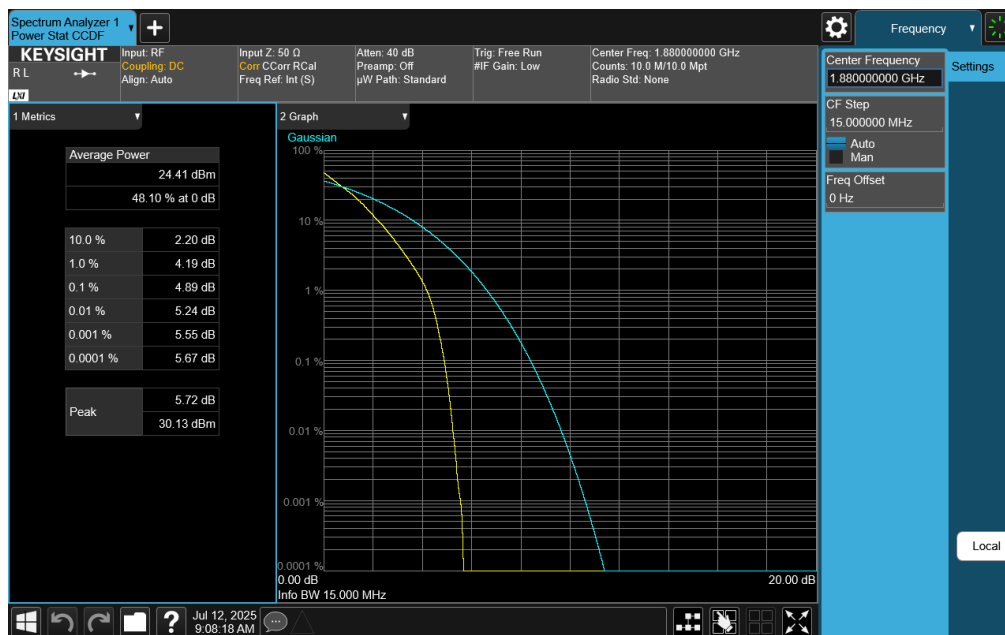
FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-307. PAR Plot (NR Band n2 - 15MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

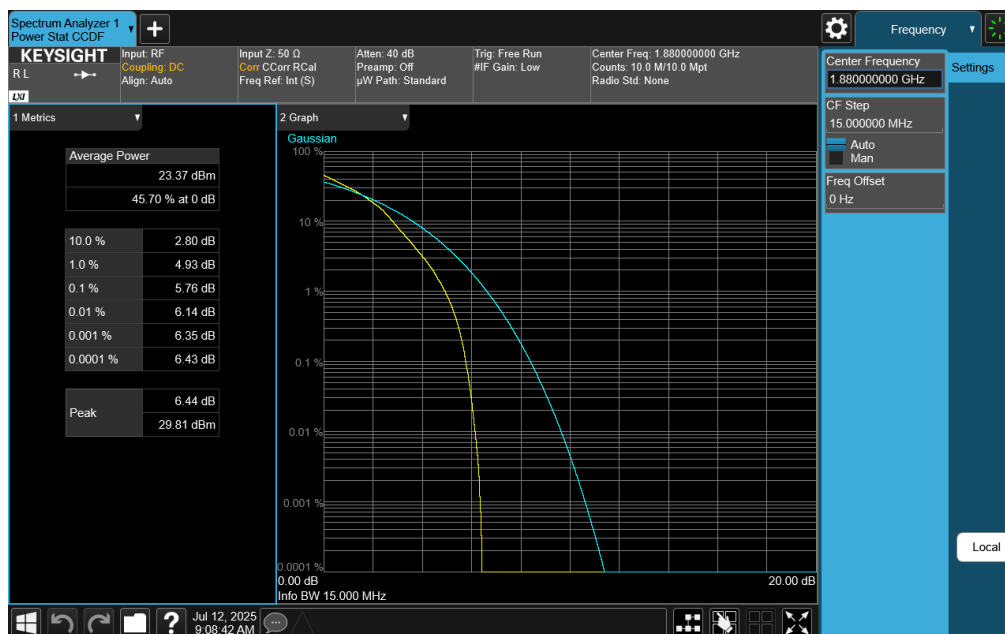


Plot 7-308. PAR Plot (NR Band n2 - 15MHz DFT-s-OFDM QPSK - Full RB)

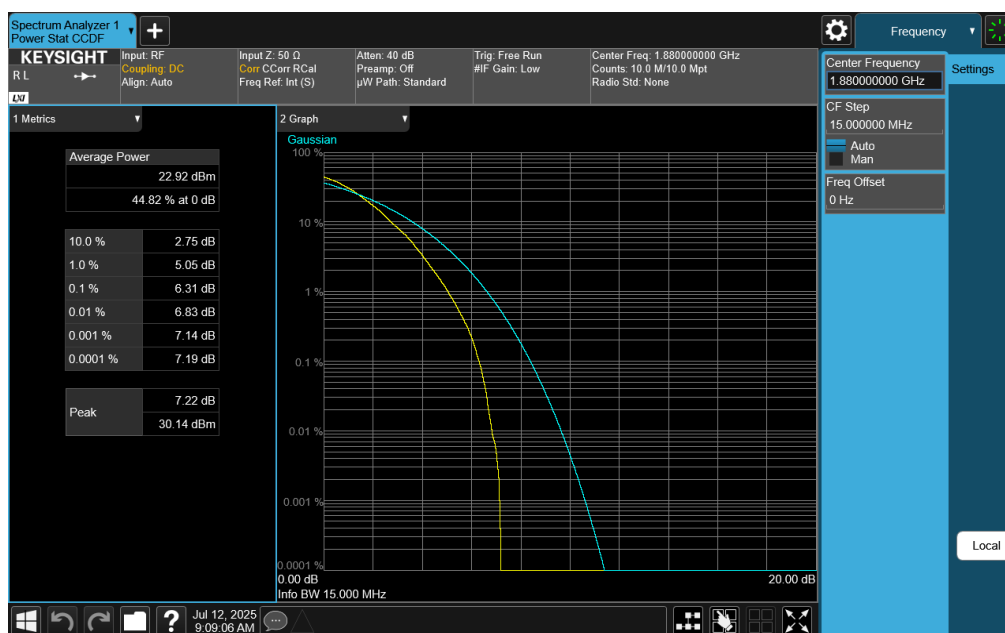
FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-309. PAR Plot (NR Band n2 - 15MHz DFT-s-OFDM 16-QAM - Full RB)

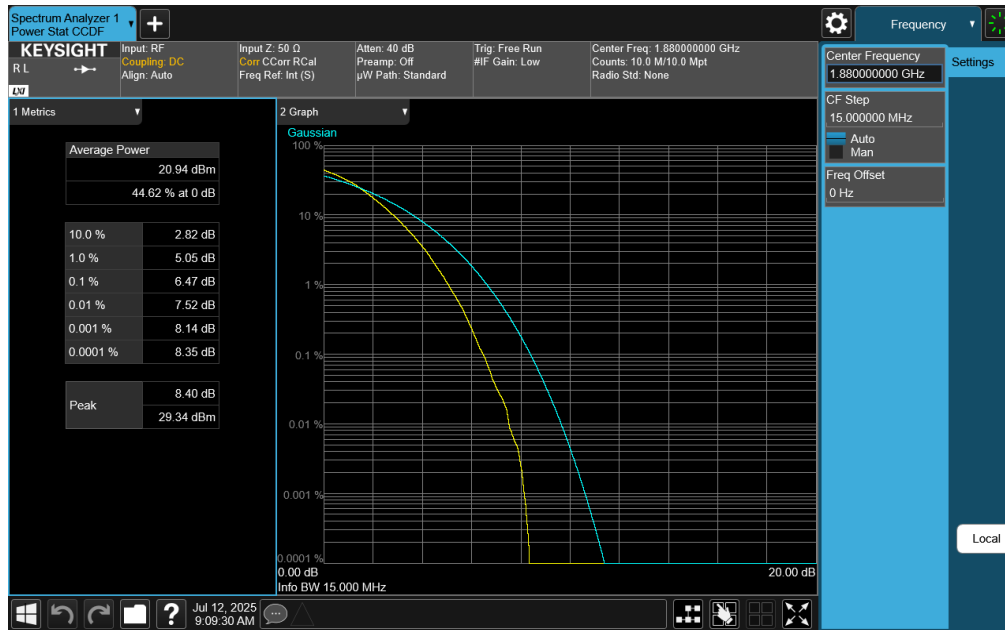


Plot 7-310. PAR Plot (NR Band n2 - 15MHz DFT-s-OFDM 64-QAM - Full RB)

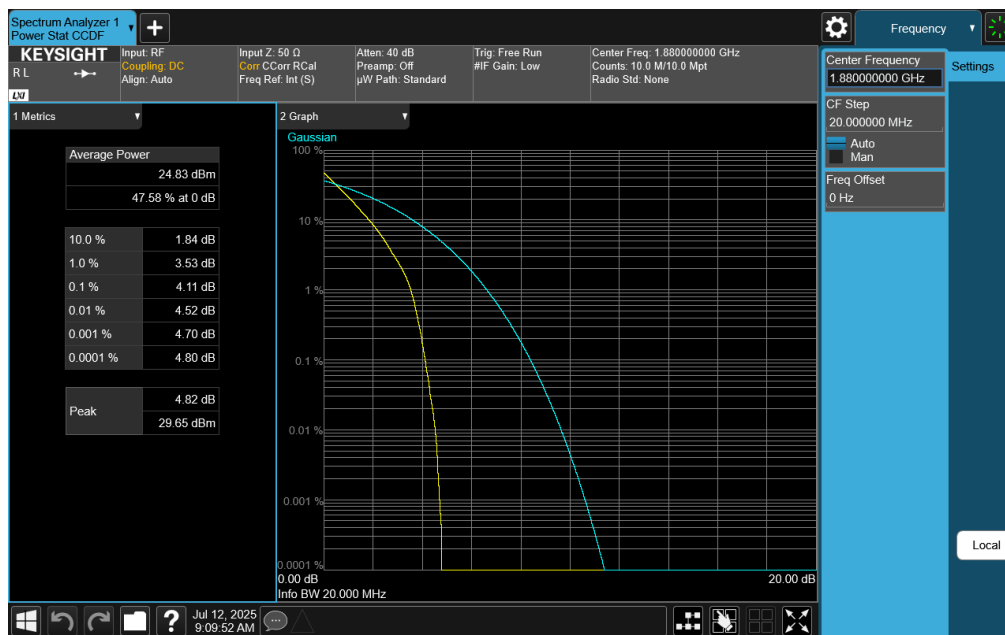
FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-311. PAR Plot (NR Band n2 - 15MHz DFT-s-OFDM 256-QAM - Full RB)

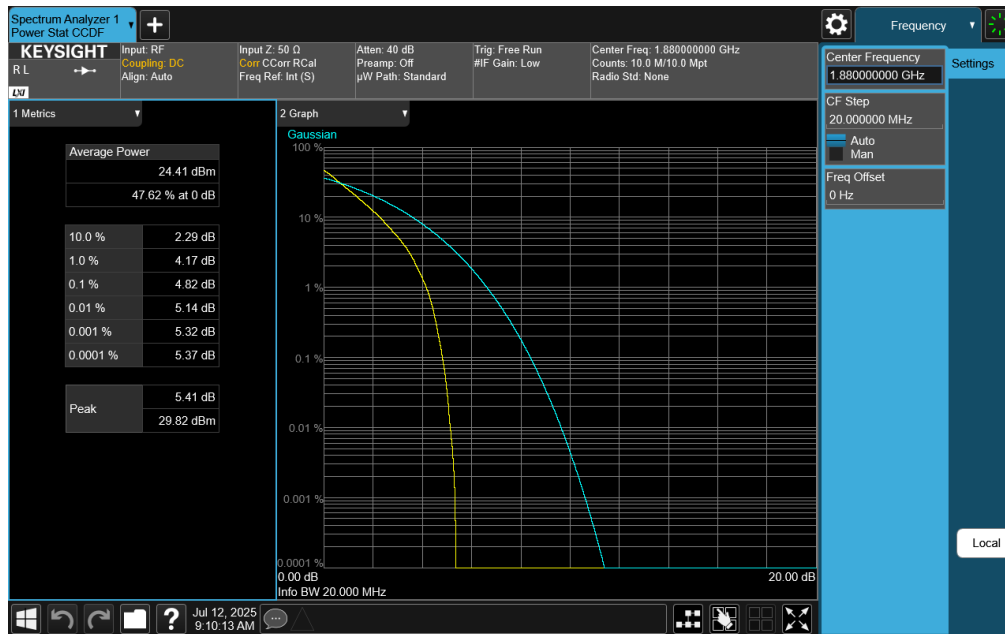


Plot 7-312. PAR Plot (NR Band n2 - 20MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

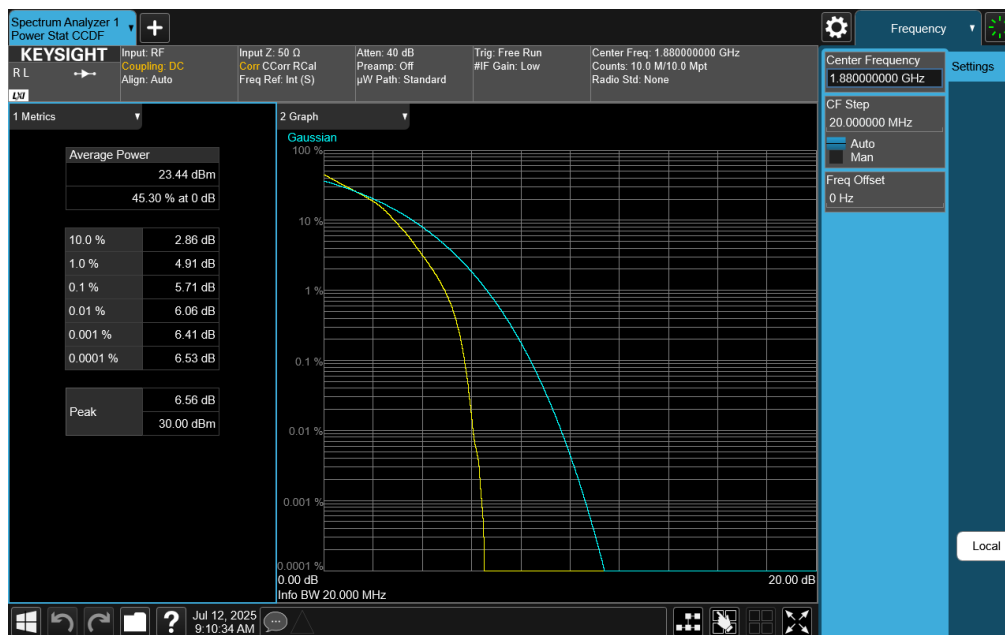
FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-313. PAR Plot (NR Band n2 - 20MHz DFT-s-OFDM QPSK - Full RB)

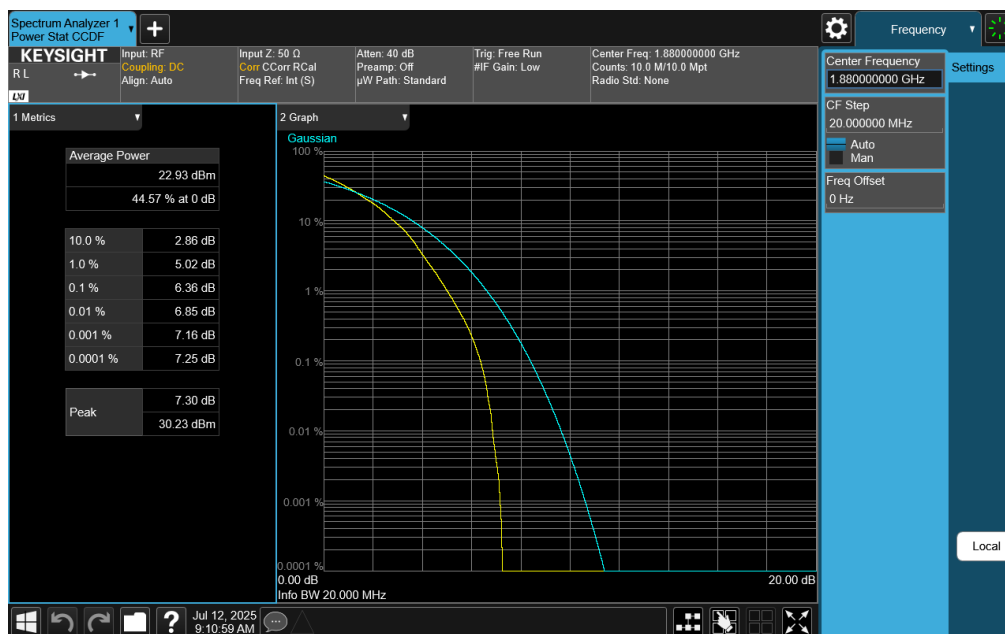


Plot 7-314. PAR Plot (NR Band n2 - 20MHz DFT-s-OFDM 16-QAM - Full RB)

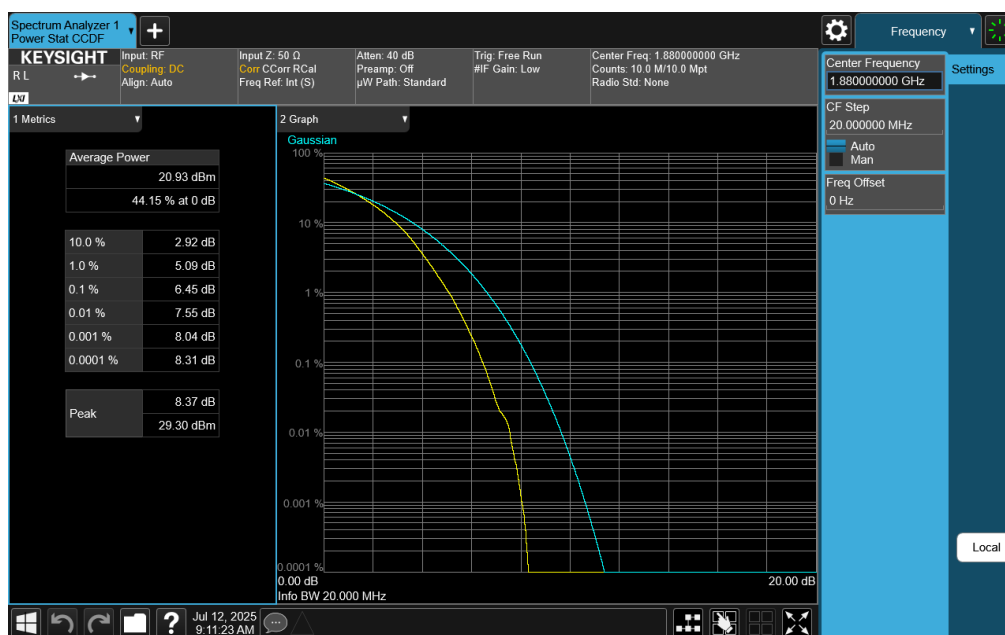
FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-315. PAR Plot (NR Band n2 - 20MHz DFT-s-OFDM 64-QAM - Full RB)

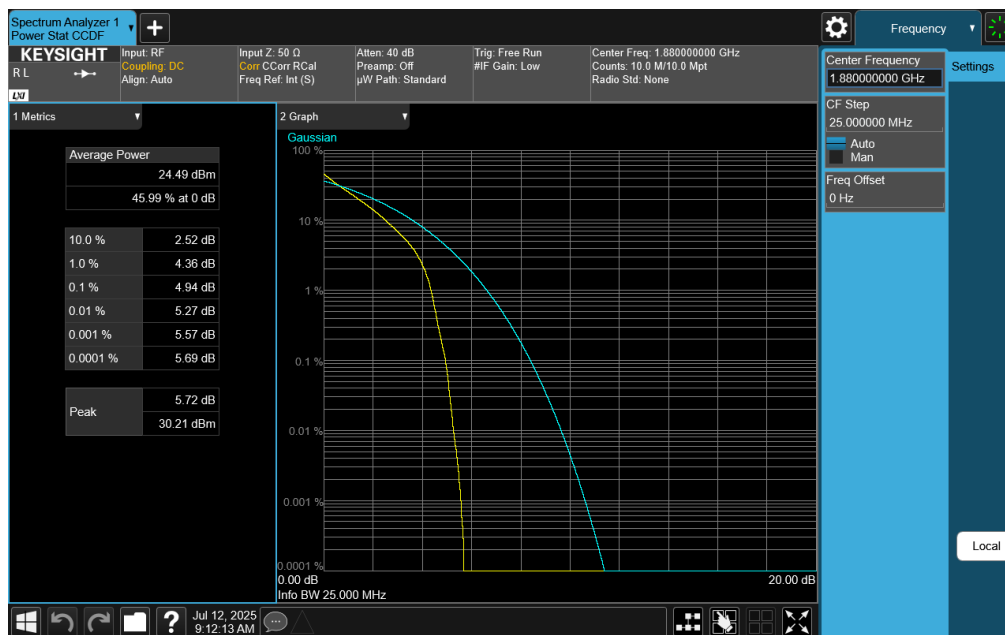
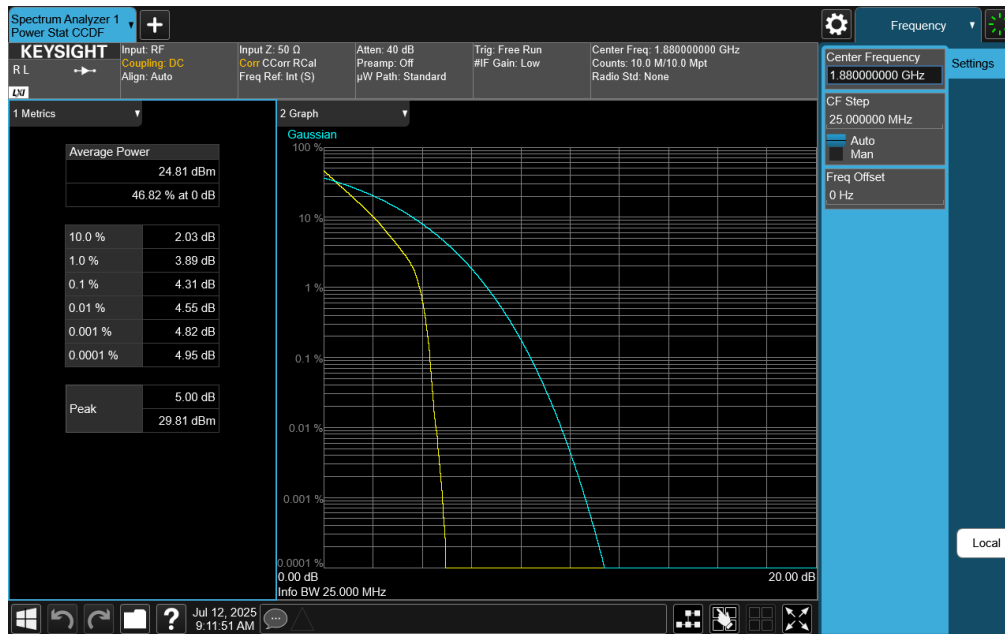


Plot 7-316. PAR Plot (NR Band n2 - 20MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-08-R1.BCG	Test Dates: 5/9/2025 - 7/31/2025	EUT Type: Tablet Device
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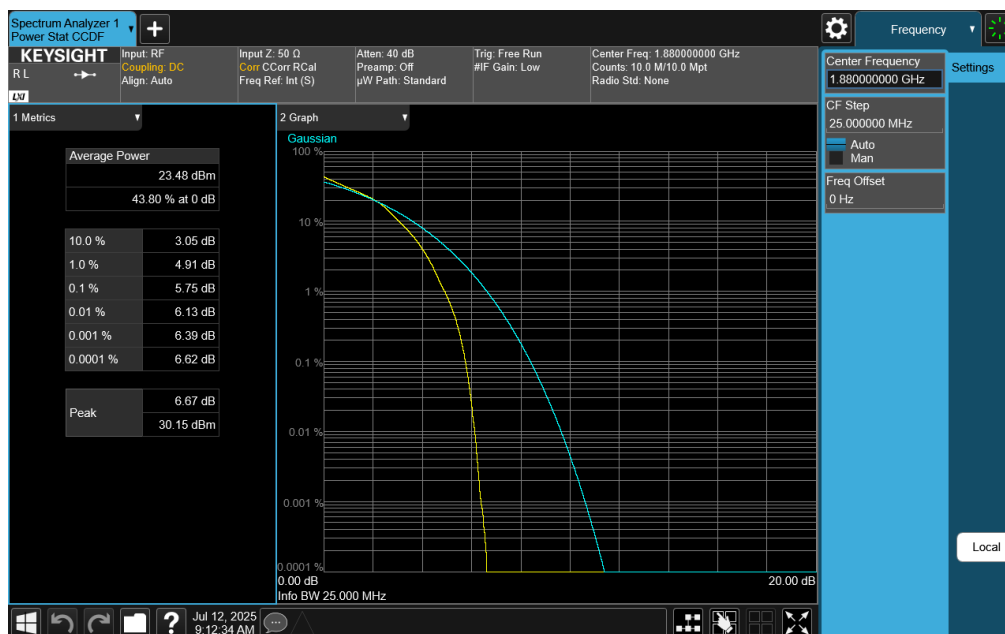
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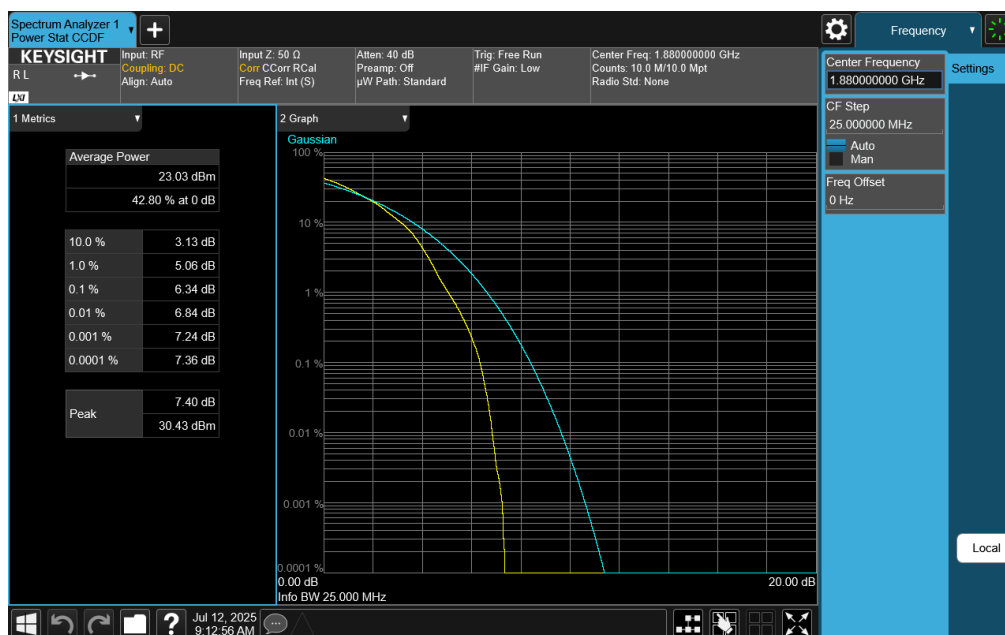
FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-319. PAR Plot (NR Band n2 - 25MHz DFT-s-OFDM 16-QAM - Full RB)

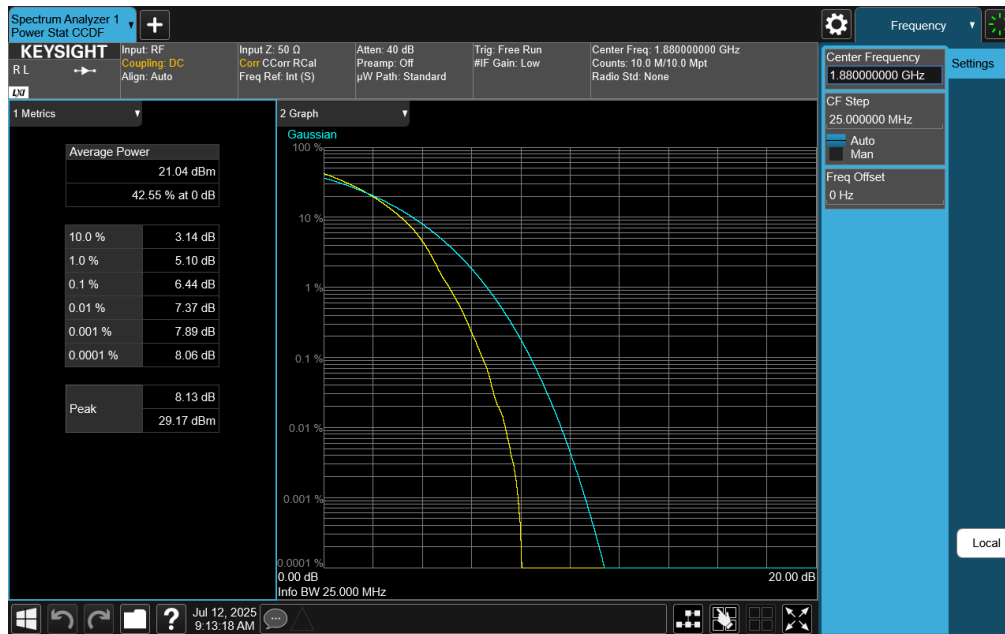


Plot 7-320. PAR Plot (NR Band n2 - 25MHz DFT-s-OFDM 64-QAM - Full RB)

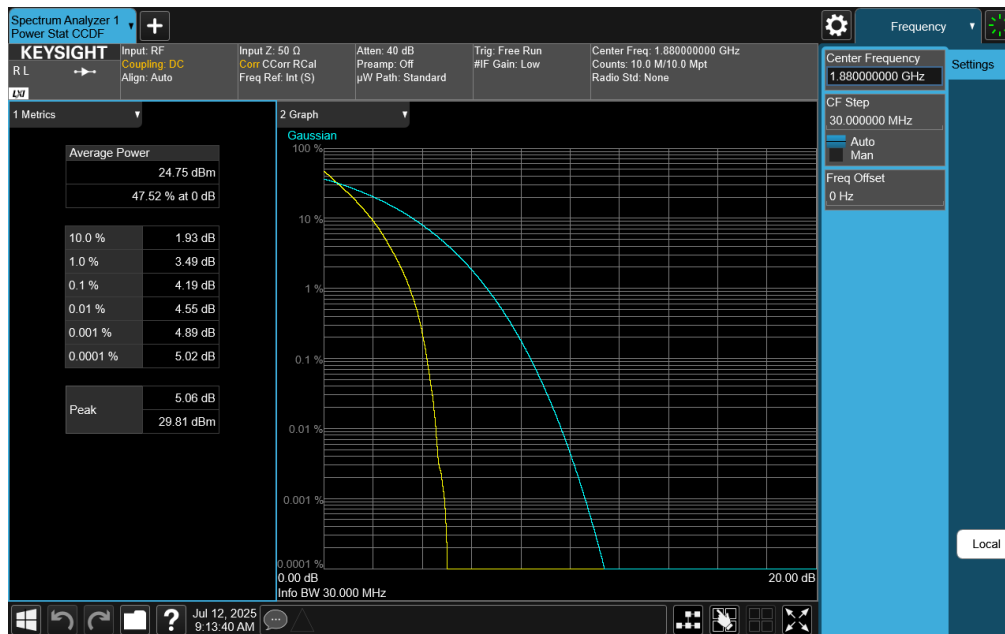
FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-321. PAR Plot (NR Band n2 - 25MHz DFT-s-OFDM 256-QAM - Full RB)

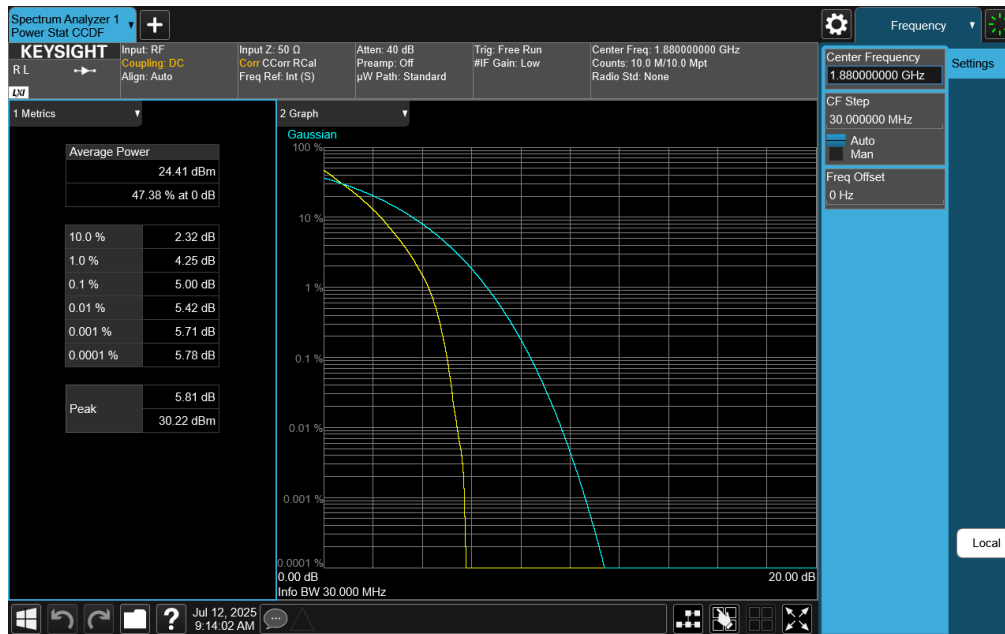


Plot 7-322. PAR Plot (NR Band n2 - 30MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

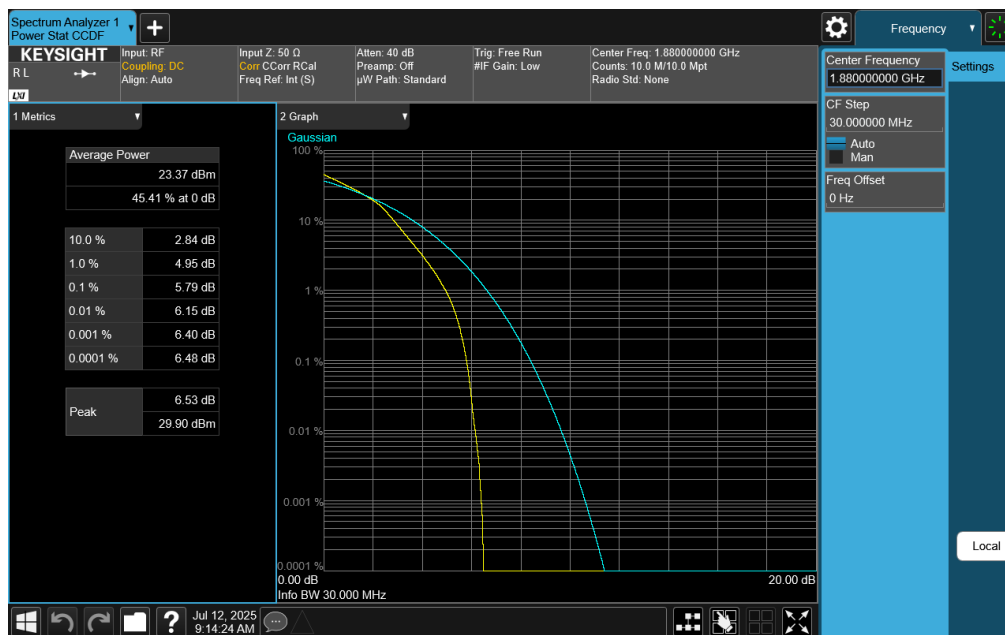
FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-08-R1.BCG	Test Dates: 5/9/2025 - 7/31/2025	EUT Type: Tablet Device
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Plot 7-323. PAR Plot (NR Band n2 - 30MHz DFT-s-OFDM QPSK - Full RB)

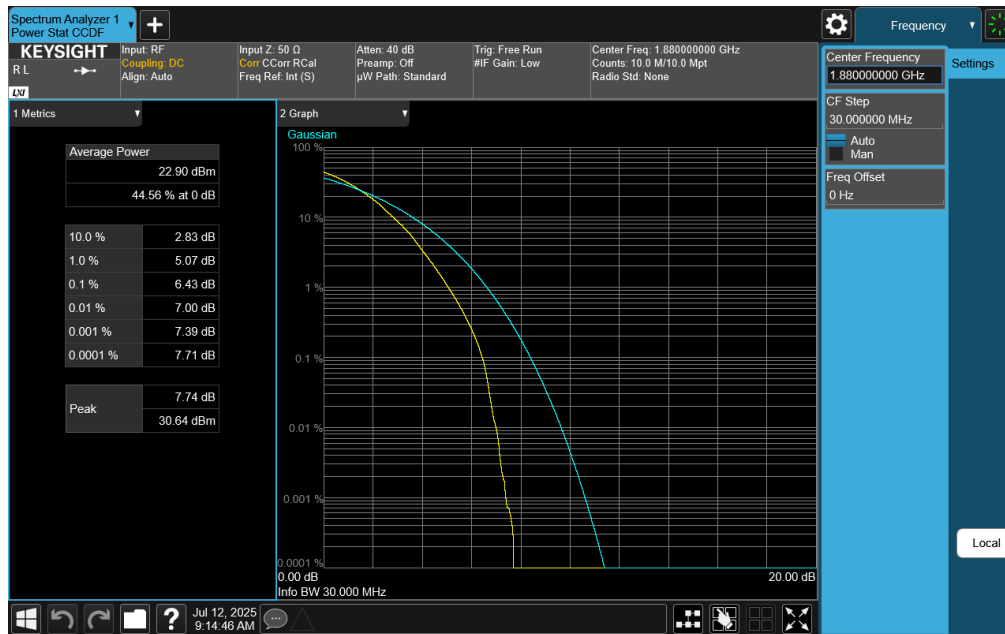


Plot 7-324. PAR Plot (NR Band n2 - 30MHz DFT-s-OFDM 16-QAM - Full RB)

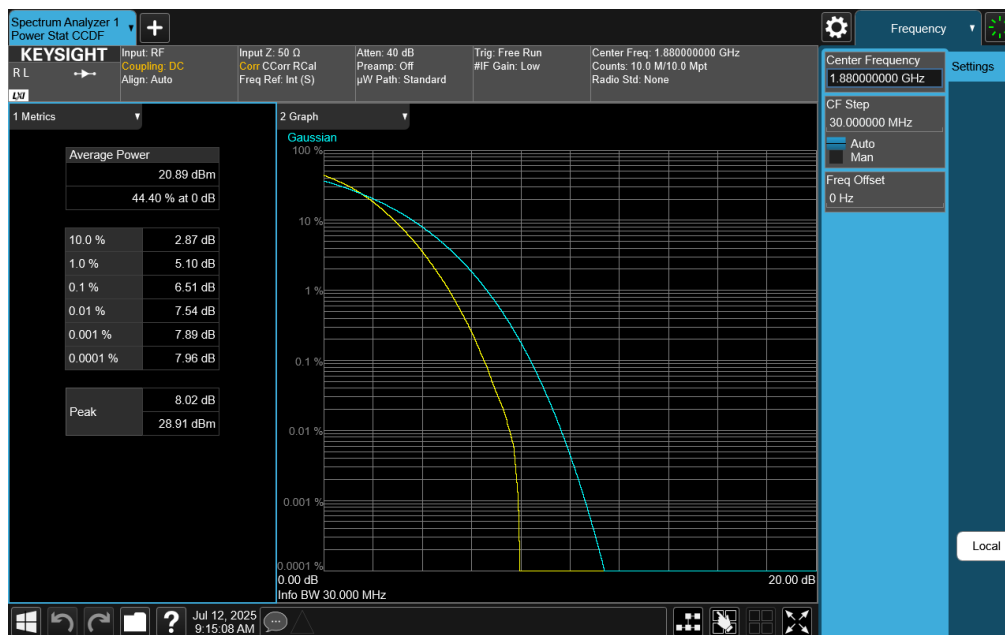
FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-325. PAR Plot (NR Band n2 - 30MHz DFT-s-OFDM 64-QAM - Full RB)

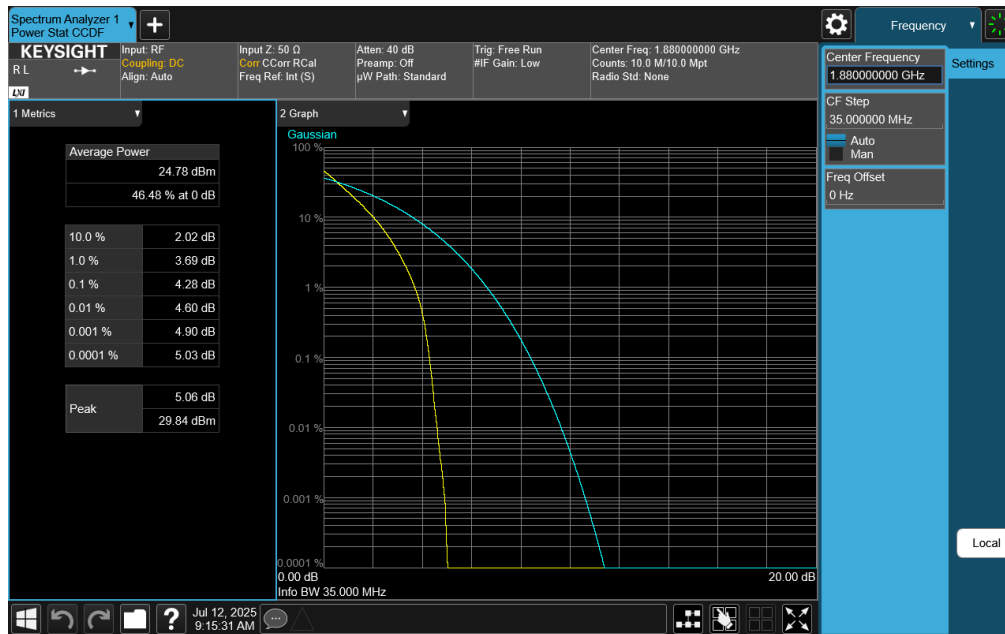


Plot 7-326. PAR Plot (NR Band n2 - 30MHz DFT-s-OFDM 256-QAM - Full RB)

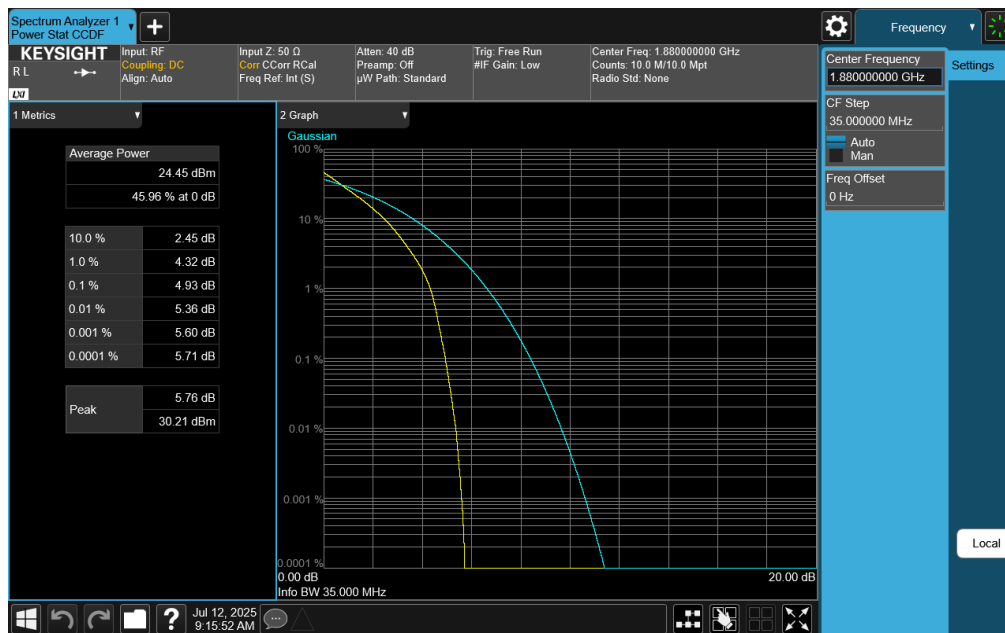
FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-327. PAR Plot (NR Band n2 - 35MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

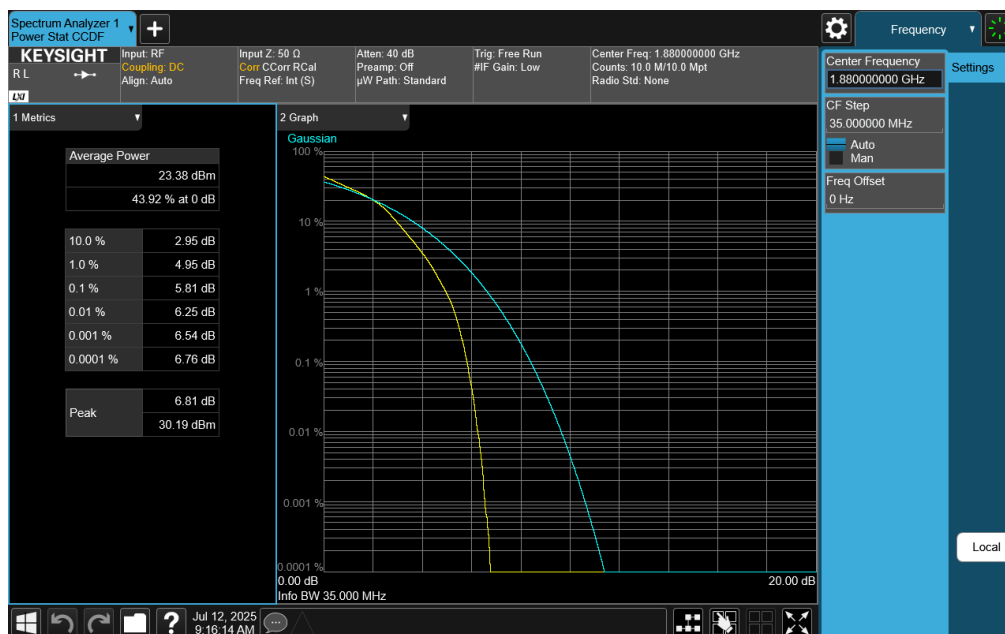


Plot 7-328. PAR Plot (NR Band n2 - 35MHz DFT-s-OFDM QPSK - Full RB)

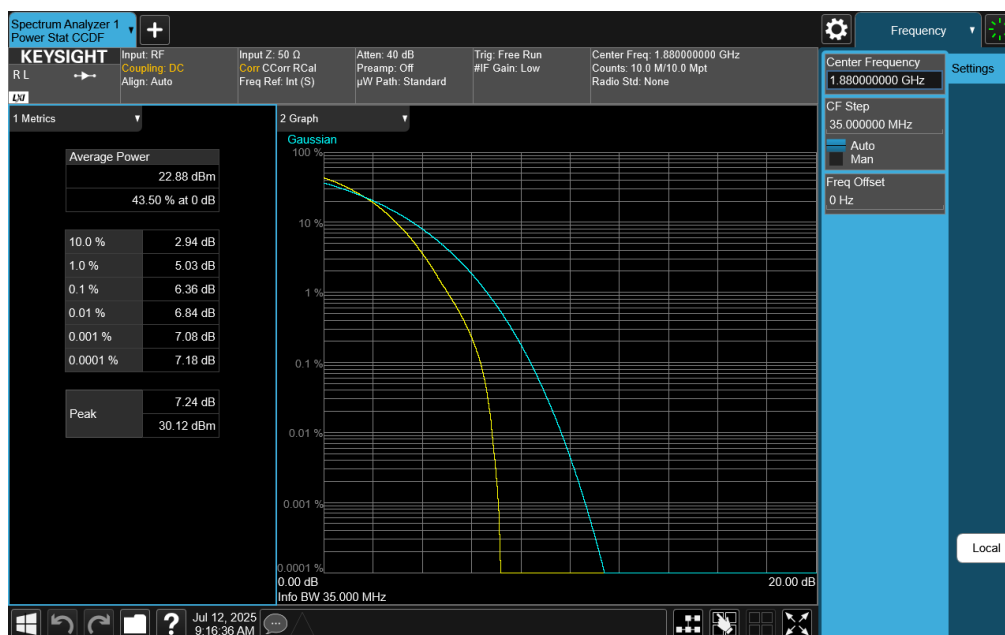
FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-329. PAR Plot (NR Band n2 - 35MHz DFT-s-OFDM 16-QAM - Full RB)

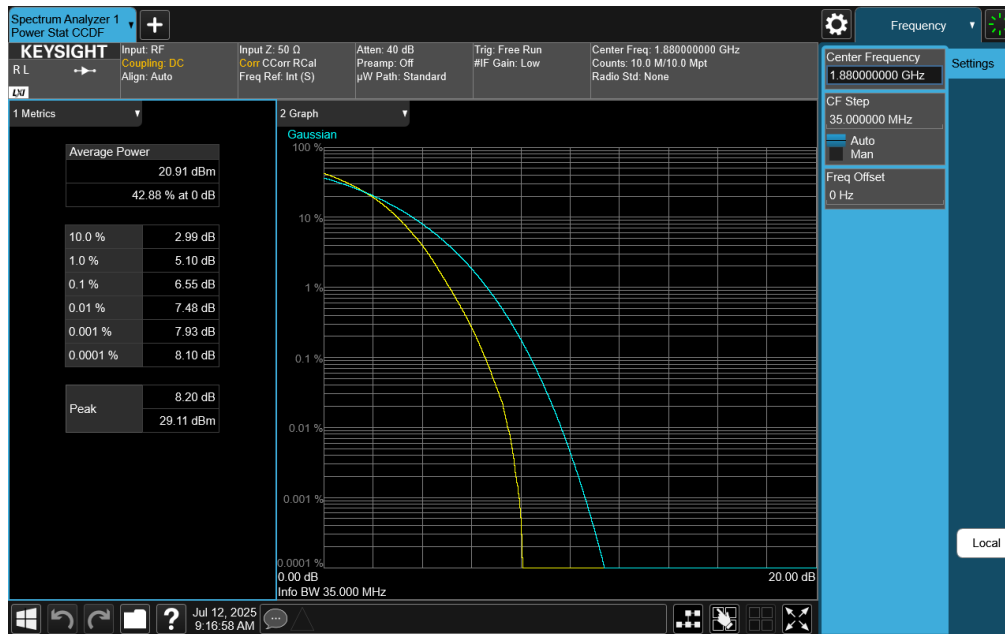


Plot 7-330. PAR Plot (NR Band n2 - 35MHz DFT-s-OFDM 64-QAM - Full RB)

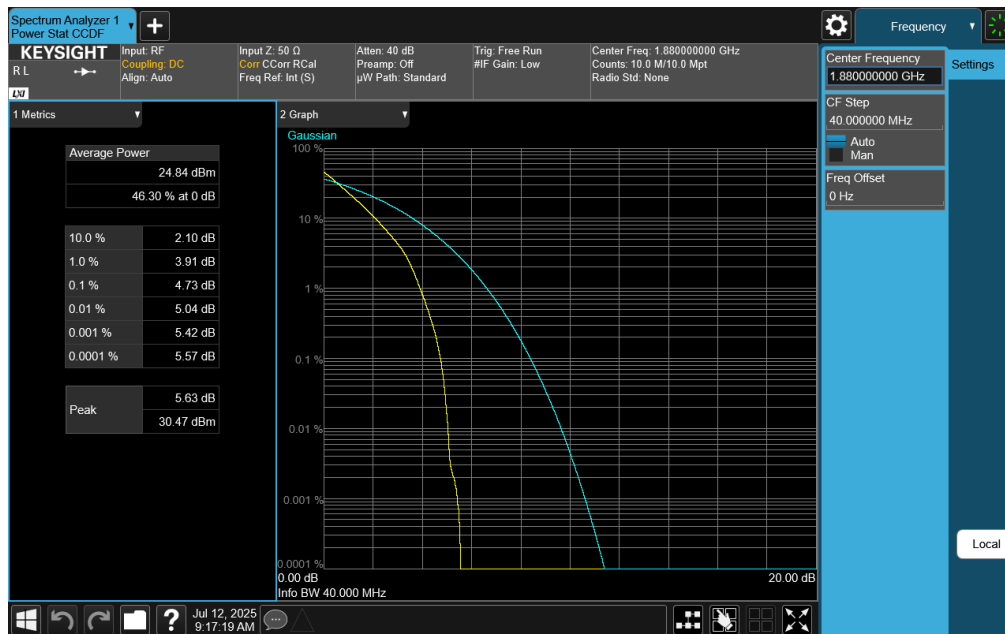
FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-331. PAR Plot (NR Band n2 - 35MHz DFT-s-OFDM 256-QAM - Full RB)

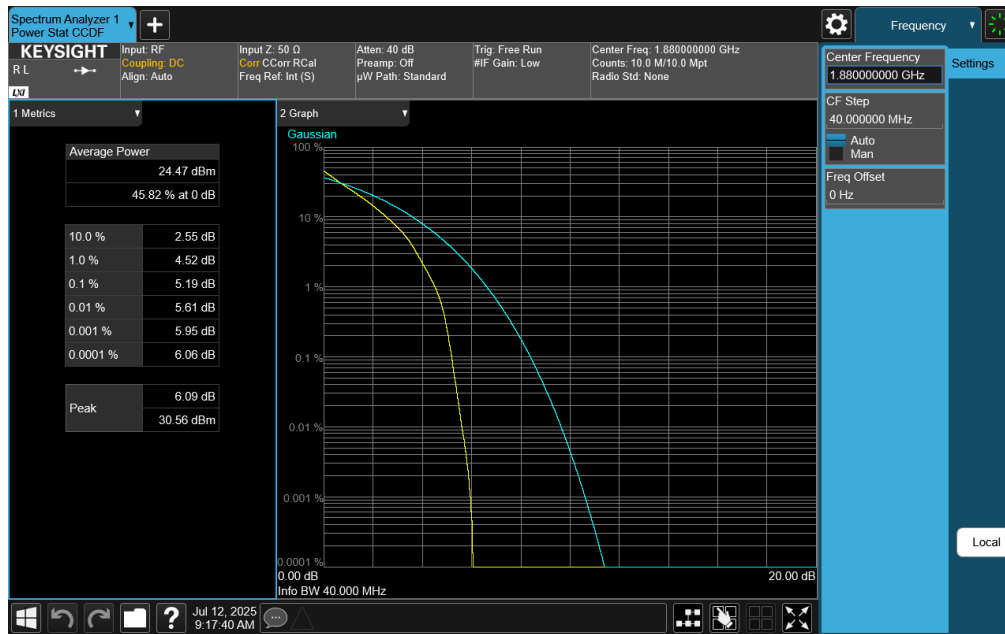


Plot 7-332. PAR Plot (NR Band n2 - 40MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

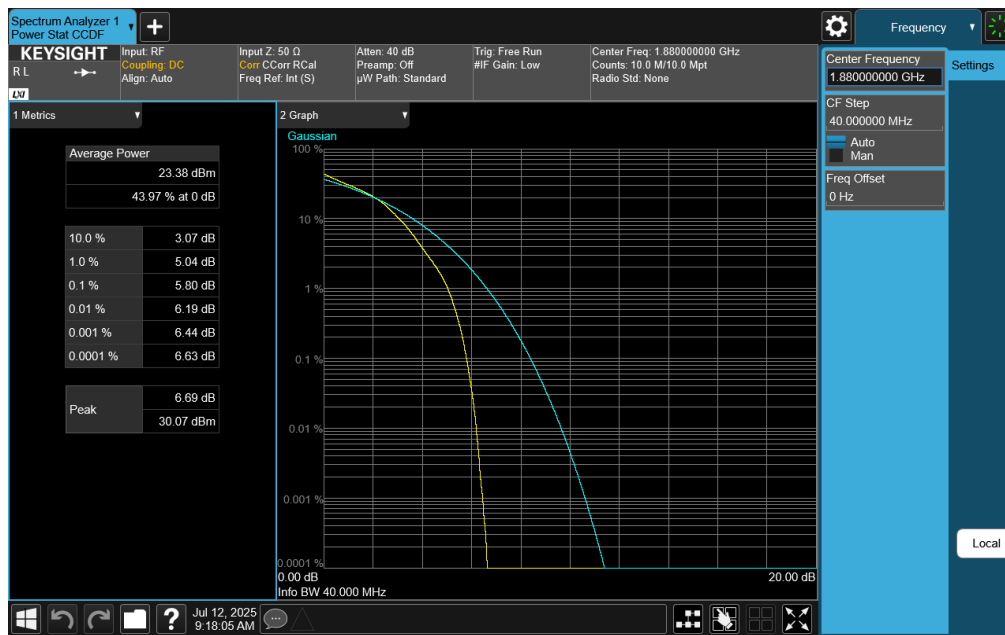
FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-333. PAR Plot (NR Band n2 - 40MHz DFT-s-OFDM QPSK - Full RB)

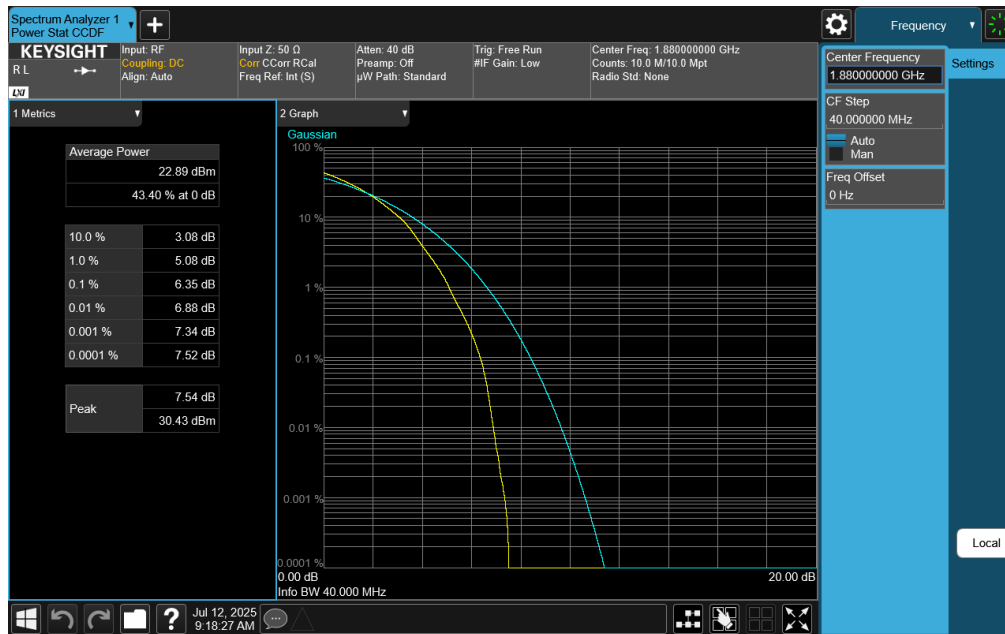


Plot 7-334. PAR Plot (NR Band n2 - 40MHz DFT-s-OFDM 16-QAM - Full RB)

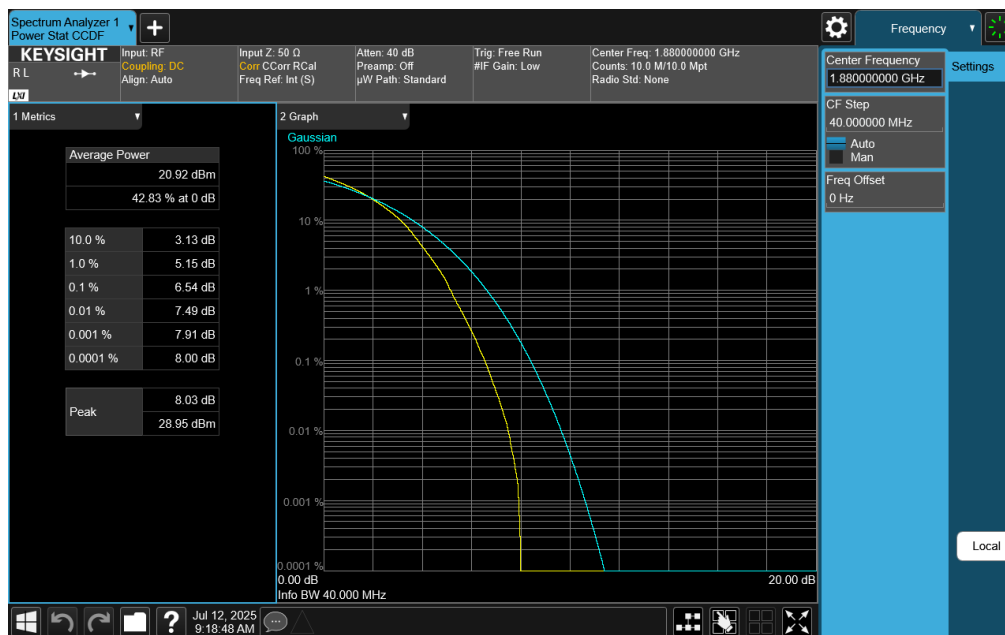
FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-335. PAR Plot (NR Band n2 - 40MHz DFT-s-OFDM 64-QAM - Full RB)



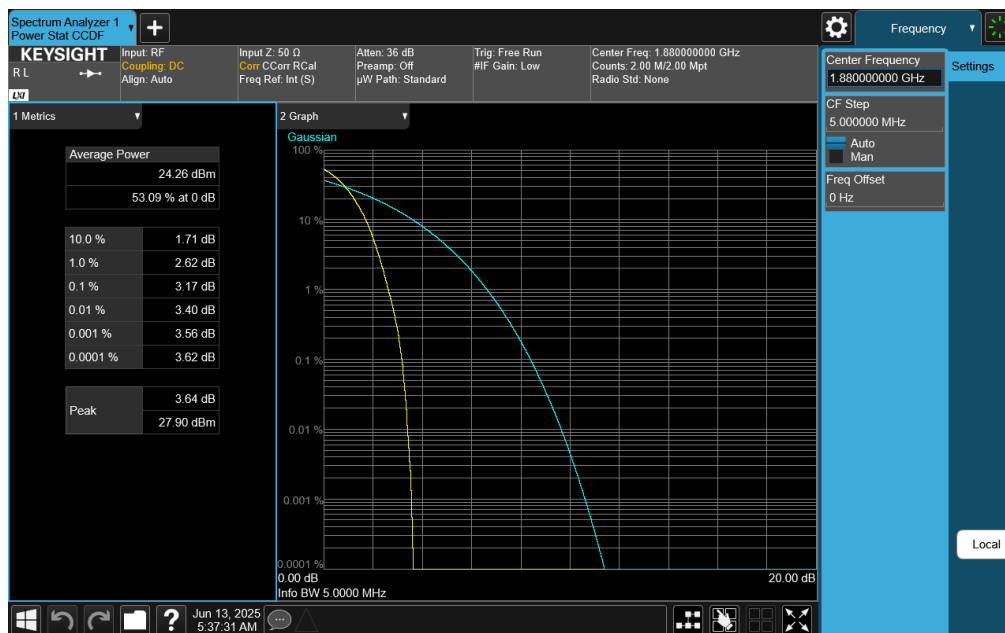
Plot 7-336. PAR Plot (NR Band n2 - 40MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA3361	 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.

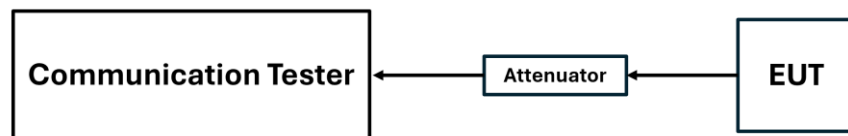


Figure 7-9. LTE Test Instrument & Measurement Setup

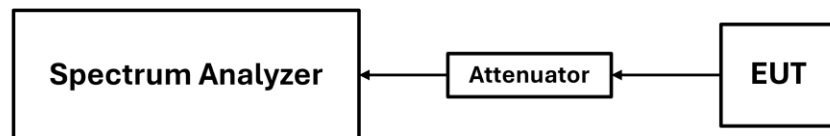


Figure 7-10. FR1 Test Instrument & Measurement Setup

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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. The Level (dBm) readings in the table were taken with a correction table loaded into the base station simulator. The correction table was used to account for the signal attenuation in the connecting cable between the transmitter and antenna.
4. The Ant. Gains (GT) are listed in dBi.
5. This device employs UMTS technology with WCDMA (AMR/RMC) and HSDPA capabilities. The EUT was tested under all configurations and the highest power is reported in WCDMA mode with HSDPA Inactive at 12.2 kbps RMC and TPC bits all set to "1".
6. 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.

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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	-0.10	1 / 0	24.93	24.83	0.304	33.01	-8.18
		1882.5	-0.10	1 / 0	24.72	24.62	0.290	33.01	-8.39
		1914.3	-0.10	1 / 0	24.91	24.81	0.303	33.01	-8.20
	16-QAM	1850.7	-0.10	1 / 0	24.35	24.25	0.266	33.01	-8.76
	64-QAM	1850.7	-0.10	1 / 0	23.21	23.11	0.205	33.01	-9.90
	256-QAM	1850.7	-0.10	6 / 0	20.44	20.34	0.108	33.01	-12.67
3 MHz	QPSK	1851.5	-0.10	1 / 0	24.83	24.73	0.297	33.01	-8.28
		1882.5	-0.10	1 / 0	24.86	24.76	0.299	33.01	-8.25
		1913.5	-0.10	1 / 0	24.77	24.67	0.293	33.01	-8.34
	16-QAM	1882.5	-0.10	1 / 0	24.32	24.22	0.264	33.01	-8.79
	64-QAM	1851.5	-0.10	1 / 0	23.13	23.03	0.201	33.01	-9.98
	256-QAM	1851.5	-0.10	15 / 0	20.39	20.29	0.107	33.01	-12.72
5 MHz	QPSK	1852.5	-0.10	1 / 24	25.08	24.98	0.315	33.01	-8.03
		1882.5	-0.10	1 / 24	25.00	24.90	0.309	33.01	-8.11
		1912.5	-0.10	1 / 24	24.70	24.60	0.288	33.01	-8.41
	16-QAM	1852.5	-0.10	1 / 12	24.43	24.33	0.271	33.01	-8.68
	64-QAM	1852.5	-0.10	1 / 0	23.25	23.15	0.207	33.01	-9.86
	256-QAM	1852.5	-0.10	25 / 0	20.49	20.39	0.109	33.01	-12.62
10 MHz	QPSK	1855.0	-0.10	1 / 49	24.89	24.79	0.301	33.01	-8.22
		1882.5	-0.10	1 / 0	24.84	24.74	0.298	33.01	-8.27
		1910.0	-0.10	1 / 49	24.75	24.65	0.292	33.01	-8.36
	16-QAM	1882.5	-0.10	1 / 49	24.25	24.15	0.260	33.01	-8.86
	64-QAM	1855.0	-0.10	1 / 25	23.27	23.17	0.208	33.01	-9.84
	256-QAM	1855.0	-0.10	50 / 0	20.51	20.41	0.110	33.01	-12.60
15 MHz	QPSK	1857.5	-0.10	1 / 0	25.09	24.99	0.316	33.01	-8.02
		1882.5	-0.10	1 / 74	24.88	24.78	0.301	33.01	-8.23
		1907.5	-0.10	1 / 0	24.69	24.59	0.288	33.01	-8.42
	16-QAM	1882.5	-0.10	1 / 74	24.27	24.17	0.261	33.01	-8.84
	64-QAM	1882.5	-0.10	1 / 0	23.23	23.13	0.206	33.01	-9.88
	256-QAM	1857.5	-0.10	75 / 0	20.45	20.35	0.108	33.01	-12.66
	QPSK	1860.0	-0.10	1 / 0	24.96	24.86	0.306	33.01	-8.15
		1882.5	-0.10	1 / 0	24.64	24.54	0.284	33.01	-8.47
		1905.0	-0.10	1 / 0	24.84	24.74	0.298	33.01	-8.27
	16-QAM	1905.0	-0.10	1 / 0	24.22	24.12	0.258	33.01	-8.89
	64-QAM	1882.5	-0.10	1 / 0	23.06	22.96	0.198	33.01	-10.05
	256-QAM	1860.0	-0.10	100 / 0	20.42	20.32	0.108	33.01	-12.69

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	-0.10	1 / 0	24.56	24.46	0.279	33.01	-8.55
		1880.0	-0.10	1 / 0	25.04	24.94	0.312	33.01	-8.07
		1909.3	-0.10	1 / 5	24.35	24.25	0.266	33.01	-8.76
	16-QAM	1850.7	-0.10	1 / 0	24.01	23.91	0.246	33.01	-9.10
	64-QAM	1850.7	-0.10	1 / 0	22.95	22.85	0.193	33.01	-10.16
	256-QAM	1850.7	-0.10	6 / 0	20.02	19.92	0.098	33.01	-13.09
3 MHz	QPSK	1851.5	-0.10	1 / 0	24.50	24.40	0.276	33.01	-8.61
		1880.0	-0.10	1 / 0	25.01	24.91	0.310	33.01	-8.10
		1908.5	-0.10	1 / 0	24.72	24.62	0.290	33.01	-8.39
	16-QAM	1880.0	-0.10	1 / 0	23.90	23.80	0.240	33.01	-9.21
	64-QAM	1851.5	-0.10	1 / 0	22.77	22.67	0.185	33.01	-10.34
	256-QAM	1851.5	-0.10	15 / 0	20.05	19.95	0.099	33.01	-13.06
5 MHz	QPSK	1852.5	-0.10	1 / 12	24.75	24.65	0.292	33.01	-8.36
		1880.0	-0.10	1 / 0	24.96	24.86	0.306	33.01	-8.15
		1907.5	-0.10	1 / 0	24.87	24.77	0.300	33.01	-8.24
	16-QAM	1852.5	-0.10	25 / 0	24.09	23.99	0.251	33.01	-9.02
	64-QAM	1852.5	-0.10	25 / 0	22.86	22.76	0.189	33.01	-10.25
	256-QAM	1852.5	-0.10	25 / 0	20.08	19.98	0.100	33.01	-13.03
10 MHz	QPSK	1855.0	-0.10	1 / 0	24.64	24.54	0.285	33.01	-8.47
		1880.0	-0.10	1 / 0	24.49	24.39	0.275	33.01	-8.62
		1905.0	-0.10	1 / 0	24.46	24.36	0.273	33.01	-8.65
	16-QAM	1855.0	-0.10	1 / 0	24.03	23.93	0.247	33.01	-9.08
	64-QAM	1855.0	-0.10	1 / 25	22.91	22.81	0.191	33.01	-10.20
	256-QAM	1855.0	-0.10	50 / 0	20.24	20.14	0.103	33.01	-12.87
15 MHz	QPSK	1857.5	-0.10	75 / 0	24.98	24.88	0.307	33.01	-8.13
		1880.0	-0.10	1 / 0	24.74	24.64	0.291	33.01	-8.37
		1902.5	-0.10	1 / 0	24.72	24.62	0.290	33.01	-8.39
	16-QAM	1902.5	-0.10	75 / 0	24.05	23.95	0.248	33.01	-9.06
	64-QAM	1857.5	-0.10	1 / 0	22.95	22.85	0.193	33.01	-10.16
	256-QAM	1902.5	-0.10	75 / 0	20.28	20.18	0.104	33.01	-12.83
20 MHz	QPSK	1860.0	-0.10	1 / 0	24.90	24.80	0.302	33.01	-8.21
		1880.0	-0.10	1 / 0	24.82	24.72	0.296	33.01	-8.29
		1900.0	-0.10	100 / 0	25.07	24.97	0.314	33.01	-8.04
	16-QAM	1860.0	-0.10	1 / 0	24.30	24.20	0.263	33.01	-8.81
	64-QAM	1860.0	-0.10	1 / 0	23.10	23.00	0.199	33.01	-10.01
	256-QAM	1860.0	-0.10	100 / 0	20.60	20.50	0.112	33.01	-12.51

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

FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170041-08-R1.BCG	Test Dates: 5/9/2025 - 7/31/2025	EUT Type: Tablet Device	Page 195 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	-0.10	25 / 0	24.66	24.56	0.286	33.01	-8.45
		1882.5	-0.10	25 / 0	24.61	24.51	0.283	33.01	-8.50
		1912.5	-0.10	25 / 0	24.61	24.51	0.282	33.01	-8.50
	QPSK	1852.5	-0.10	1 / 1	25.00	24.90	0.309	33.01	-8.11
		1882.5	-0.10	1 / 23	24.58	24.48	0.281	33.01	-8.53
		1912.5	-0.10	1 / 1	24.60	24.50	0.282	33.01	-8.51
	16-QAM	1882.5	-0.10	1 / 1	23.48	23.38	0.218	33.01	-9.63
	64-QAM	1852.5	-0.10	25 / 0	22.81	22.71	0.186	33.01	-10.30
10 MHz	π/2 BPSK	1852.5	-0.10	50 / 0	24.72	24.62	0.290	33.01	-8.39
		1882.5	-0.10	50 / 0	24.64	24.54	0.285	33.01	-8.47
		1910.0	-0.10	50 / 0	24.68	24.58	0.287	33.01	-8.43
	QPSK	1855.0	-0.10	1 / 1	24.72	24.62	0.290	33.01	-8.39
		1882.5	-0.10	1 / 1	24.60	24.50	0.282	33.01	-8.51
		1910.0	-0.10	1 / 25	24.49	24.39	0.275	33.01	-8.62
	16-QAM	1855.0	-0.10	1 / 1	23.66	23.56	0.227	33.01	-9.45
	64-QAM	1855.0	-0.10	50 / 0	22.79	22.69	0.186	33.01	-10.32
15 MHz	π/2 BPSK	1855.0	-0.10	50 / 0	20.83	20.73	0.118	33.01	-12.28
	QPSK	1857.5	-0.10	75 / 0	24.68	24.58	0.287	33.01	-8.43
		1882.5	-0.10	75 / 0	24.62	24.52	0.283	33.01	-8.49
		1907.5	-0.10	1 / 1	24.63	24.53	0.284	33.01	-8.48
	QPSK	1857.5	-0.10	1 / 77	24.66	24.56	0.286	33.01	-8.45
		1882.5	-0.10	1 / 36	24.54	24.44	0.278	33.01	-8.57
		1907.5	-0.10	1 / 1	24.50	24.40	0.275	33.01	-8.62
	16-QAM	1857.5	-0.10	1 / 77	23.42	23.32	0.215	33.01	-9.69
20 MHz	π/2 BPSK	1857.5	-0.10	75 / 0	22.70	22.60	0.182	33.01	-10.41
		1882.5	-0.10	75 / 0	20.62	20.52	0.113	33.01	-12.49
		1857.5	-0.10	75 / 0	20.62	20.52	0.113	33.01	-12.49
	QPSK	1860.0	-0.10	100 / 0	24.78	24.68	0.294	33.01	-8.33
		1882.5	-0.10	100 / 0	24.66	24.56	0.286	33.01	-8.45
		1905.0	-0.10	100 / 0	24.71	24.61	0.289	33.01	-8.40
	QPSK	1860.0	-0.10	1 / 104	24.68	24.58	0.287	33.01	-8.44
		1882.5	-0.10	1 / 1	24.66	24.56	0.286	33.01	-8.45
25 MHz	π/2 BPSK	1905.0	-0.10	1 / 50	24.75	24.65	0.292	33.01	-8.36
		1860.0	-0.10	1 / 104	23.41	23.31	0.214	33.01	-9.70
		1860.0	-0.10	100 / 0	22.65	22.55	0.180	33.01	-10.46
	QPSK	1860.0	-0.10	100 / 0	20.70	20.60	0.115	33.01	-12.42
		1862.5	-0.10	128 / 0	24.75	24.65	0.292	33.01	-8.36
		1882.5	-0.10	128 / 0	24.69	24.59	0.287	33.01	-8.42
	QPSK	1902.5	-0.10	128 / 0	24.67	24.57	0.287	33.01	-8.44
		1862.5	-0.10	1 / 64	24.62	24.52	0.283	33.01	-8.49
30 MHz	π/2 BPSK	1882.5	-0.10	1 / 1	24.60	24.50	0.282	33.01	-8.52
		1902.5	-0.10	1 / 64	24.68	24.58	0.287	33.01	-8.43
		1862.5	-0.10	1 / 64	23.48	23.38	0.218	33.01	-9.63
	QPSK	1862.5	-0.10	128 / 0	22.81	22.71	0.187	33.01	-10.30
		1862.5	-0.10	128 / 0	20.71	20.61	0.115	33.01	-12.40
		1865.0	-0.10	1 / 80	24.67	24.57	0.286	33.01	-8.44
	QPSK	1882.5	-0.10	160 / 0	24.56	24.46	0.279	33.01	-8.55
		1900.0	-0.10	160 / 0	24.54	24.44	0.278	33.01	-8.57
35 MHz	π/2 BPSK	1865.0	-0.10	1 / 80	24.83	24.73	0.297	33.01	-8.28
		1882.5	-0.10	1 / 158	24.63	24.53	0.284	33.01	-8.48
		1900.0	-0.10	1 / 80	24.75	24.65	0.292	33.01	-8.36
	QPSK	1865.0	-0.10	1 / 158	23.54	23.44	0.221	33.01	-9.58
		1865.0	-0.10	160 / 0	22.74	22.64	0.184	33.01	-10.37
		1865.0	-0.10	160 / 0	20.70	20.60	0.115	33.01	-12.41
	QPSK	1867.5	-0.10	180 / 0	24.82	24.72	0.296	33.01	-8.29
		1882.5	-0.10	1 / 93	24.79	24.69	0.294	33.01	-8.32
40 MHz	π/2 BPSK	1897.5	-0.10	180 / 0	24.68	24.58	0.287	33.01	-8.43
		1867.5	-0.10	1 / 1	24.66	24.56	0.286	33.01	-8.45
		1882.5	-0.10	1 / 1	24.67	24.57	0.286	33.01	-8.44
	QPSK	1897.5	-0.10	1 / 1	24.75	24.65	0.292	33.01	-8.36
		1882.5	-0.10	1 / 1	23.45	23.35	0.216	33.01	-9.66
		1867.5	-0.10	1 / 186	24.62	24.52	0.283	33.01	-8.49
	QPSK	1867.5	-0.10	180 / 0	21.51	21.41	0.138	33.01	-11.60
		1870.0	-0.10	216 / 0	24.70	24.60	0.289	33.01	-8.41
40 MHz	π/2 BPSK	1882.5	-0.10	1 / 1	24.65	24.55	0.285	33.01	-8.46
		1895.0	-0.10	216 / 0	24.69	24.59	0.288	33.01	-8.42
		1870.0	-0.10	1 / 108	24.64	24.54	0.285	33.01	-8.47
	QPSK	1882.5	-0.10	1 / 1	24.74	24.64	0.291	33.01	-8.37
		1895.0	-0.10	1 / 1	24.67	24.57	0.286	33.01	-8.44
		1882.5	-0.10	1 / 1	23.51	23.41	0.219	33.01	-9.60
	QPSK	1870.0	-0.10	216 / 0	22.71	22.61	0.182	33.01	-10.40
		1870.0	-0.10	216 / 0	20.75	20.65	0.116	33.01	-12.36

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

FCC ID: BCGA3361		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-08-R1.BCG	Test Dates: 5/9/2025 - 7/31/2025	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	$\pi/2$ BPSK	1852.5	-0.10	25 / 0	24.91	24.81	0.303	33.01	-8.20
		1880.0	-0.10	25 / 0	24.78	24.68	0.294	33.01	-8.33
		1907.5	-0.10	25 / 0	24.77	24.67	0.293	33.01	-8.34
	QPSK	1852.5	-0.10	1 / 12	24.95	24.85	0.305	33.01	-8.16
		1880.0	-0.10	1 / 12	24.66	24.56	0.286	33.01	-8.45
		1907.5	-0.10	1 / 23	24.77	24.67	0.293	33.01	-8.34
	16-QAM	1852.5	-0.10	1 / 12	23.71	23.61	0.230	33.01	-9.40
	64-QAM	1852.5	-0.10	25 / 0	22.90	22.80	0.191	33.01	-10.21
	256-QAM	1852.5	-0.10	25 / 0	20.90	20.80	0.120	33.01	-12.21
10 MHz	$\pi/2$ BPSK	1855.0	-0.10	50 / 0	24.79	24.69	0.295	33.01	-8.32
		1880.0	-0.10	50 / 0	24.73	24.63	0.291	33.01	-8.38
		1905.0	-0.10	1 / 50	24.73	24.63	0.291	33.01	-8.38
	QPSK	1855.0	-0.10	1 / 1	24.84	24.74	0.298	33.01	-8.27
		1880.0	-0.10	1 / 50	24.71	24.61	0.289	33.01	-8.40
		1905.0	-0.10	1 / 50	24.73	24.63	0.290	33.01	-8.38
	16-QAM	1855.0	-0.10	1 / 1	23.74	23.64	0.231	33.01	-9.37
	64-QAM	1855.0	-0.10	50 / 0	22.85	22.75	0.188	33.01	-10.26
	256-QAM	1855.0	-0.10	50 / 0	20.97	20.87	0.122	33.01	-12.14
15 MHz	$\pi/2$ BPSK	1857.5	-0.10	1 / 1	24.81	24.71	0.296	33.01	-8.30
		1880.0	-0.10	75 / 0	24.70	24.60	0.289	33.01	-8.41
		1902.5	-0.10	75 / 0	24.68	24.58	0.287	33.01	-8.43
	QPSK	1857.5	-0.10	1 / 77	24.82	24.72	0.297	33.01	-8.29
		1880.0	-0.10	1 / 36	24.66	24.56	0.286	33.01	-8.45
		1902.5	-0.10	1 / 77	24.65	24.55	0.285	33.01	-8.46
	16-QAM	1857.5	-0.10	1 / 77	23.58	23.48	0.223	33.01	-9.53
	64-QAM	1857.5	-0.10	75 / 0	22.78	22.68	0.185	33.01	-10.33
	256-QAM	1902.5	-0.10	75 / 0	20.69	20.59	0.115	33.01	-12.42
20 MHz	$\pi/2$ BPSK	1860.0	-0.10	1 / 1	24.76	24.66	0.293	33.01	-8.35
		1880.0	-0.10	100 / 0	24.70	24.60	0.289	33.01	-8.41
		1900.0	-0.10	100 / 0	24.67	24.57	0.286	33.01	-8.44
	QPSK	1860.0	-0.10	1 / 104	24.73	24.63	0.290	33.01	-8.38
		1880.0	-0.10	1 / 1	24.77	24.67	0.293	33.01	-8.34
		1900.0	-0.10	1 / 104	24.67	24.57	0.286	33.01	-8.44
	16-QAM	1860.0	-0.10	1 / 104	23.56	23.46	0.222	33.01	-9.55
	64-QAM	1860.0	-0.10	100 / 0	22.85	22.75	0.188	33.01	-10.26
	256-QAM	1880.0	-0.10	100 / 0	20.85	20.75	0.119	33.01	-12.26
25 MHz	$\pi/2$ BPSK	1862.5	-0.10	128 / 0	24.86	24.76	0.299	33.01	-8.25
		1880.0	-0.10	128 / 0	24.77	24.67	0.293	33.01	-8.34
		1897.5	-0.10	128 / 0	24.67	24.57	0.287	33.01	-8.44
	QPSK	1862.5	-0.10	1 / 1	24.76	24.66	0.293	33.01	-8.35
		1880.0	-0.10	1 / 64	24.66	24.56	0.286	33.01	-8.45
		1897.5	-0.10	1 / 1	24.67	24.57	0.286	33.01	-8.44
	16-QAM	1862.5	-0.10	1 / 64	23.48	23.38	0.218	33.01	-9.63
	64-QAM	1862.5	-0.10	128 / 0	22.83	22.73	0.188	33.01	-10.28
	256-QAM	1862.5	-0.10	128 / 0	20.75	20.65	0.116	33.01	-12.36
30 MHz	$\pi/2$ BPSK	1865.0	-0.10	160 / 0	24.78	24.68	0.294	33.01	-8.33
		1880.0	-0.10	1 / 1	24.81	24.71	0.296	33.01	-8.30
		1895.0	-0.10	1 / 1	24.72	24.62	0.289	33.01	-8.39
	QPSK	1865.0	-0.10	1 / 1	24.78	24.68	0.293	33.01	-8.33
		1880.0	-0.10	1 / 1	24.77	24.67	0.293	33.01	-8.34
		1895.0	-0.10	1 / 1	24.68	24.58	0.287	33.01	-8.43
	16-QAM	1880.0	-0.10	1 / 1	23.63	23.53	0.226	33.01	-9.48
	64-QAM	1865.0	-0.10	160 / 0	22.89	22.79	0.190	33.01	-10.22
	256-QAM	1865.0	-0.10	160 / 0	20.84	20.74	0.118	33.01	-12.28
35 MHz	$\pi/2$ BPSK	1867.5	-0.10	180 / 0	24.79	24.69	0.294	33.01	-8.32
		1880.0	-0.10	1 / 1	24.75	24.65	0.292	33.01	-8.36
		1892.5	-0.10	1 / 93	24.66	24.56	0.286	33.01	-8.45
	QPSK	1867.5	-0.10	1 / 1	24.81	24.71	0.296	33.01	-8.30
		1880.0	-0.10	1 / 1	24.75	24.65	0.292	33.01	-8.36
		1892.5	-0.10	1 / 1	24.65	24.55	0.285	33.01	-8.46
	16-QAM	1867.5	-0.10	1 / 1	23.58	23.48	0.223	33.01	-9.53
	64-QAM	1867.5	-0.10	1 / 186	24.79	24.69	0.294	33.01	-8.32
	256-QAM	1867.5	-0.10	180 / 0	21.03	20.93	0.124	33.01	-12.08
40 MHz	$\pi/2$ BPSK	1870.0	-0.10	216 / 0	24.72	24.62	0.290	33.01	-8.39
		1880.0	-0.10	216 / 0	24.76	24.66	0.292	33.01	-8.35
		1890.0	-0.10	1 / 1	24.68	24.58	0.287	33.01	-8.43
	QPSK	1870.0	-0.10	1 / 108	24.74	24.64	0.291	33.01	-8.37
		1880.0	-0.10	1 / 1	24.80	24.70	0.295	33.01	-8.31
		1890.0	-0.10	1 / 1	24.79	24.69	0.295	33.01	-8.32
	16-QAM	1880.0	-0.10	1 / 1	23.66	23.56	0.227	33.01	-9.45
	64-QAM	1870.0	-0.10	216 / 0	22.85	22.75	0.188	33.01	-10.26
	256-QAM	1870.0	-0.10	216 / 0	20.85	20.75	0.119	33.01	-12.26

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

FCC ID: BCGA3361		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-08-R1.BCG	Test Dates: 5/9/2025 - 7/31/2025	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	25.07	-0.10	24.97	0.314	33.01	-8.04
1880.00	WCDMA1900	25.11	-0.10	25.01	0.317	33.01	-8.00
1907.60	WCDMA1900	25.09	-0.10	24.99	0.316	33.01	-8.02

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

FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170041-08-R1.BCG	Test Dates: 5/9/2025 - 7/31/2025	EUT Type: Tablet Device	Page 198 of 237

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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	0.60	1 / 0	23.86	24.46	0.279	33.01	-8.55
		1882.5	0.60	1 / 0	23.62	24.22	0.264	33.01	-8.79
		1914.3	0.60	1 / 0	23.53	24.13	0.259	33.01	-8.88
	16-QAM	1882.5	0.60	1 / 0	22.97	23.57	0.228	33.01	-9.44
	64-QAM	1850.7	0.60	1 / 0	22.03	22.63	0.183	33.01	-10.38
	256-QAM	1850.7	0.60	6 / 0	19.23	19.83	0.096	33.01	-13.18
3 MHz	QPSK	1851.5	0.60	1 / 0	23.64	24.24	0.266	33.01	-8.77
		1882.5	0.60	1 / 0	23.53	24.13	0.259	33.01	-8.88
		1913.5	0.60	1 / 0	23.51	24.11	0.258	33.01	-8.90
	16-QAM	1851.5	0.60	1 / 0	22.88	23.48	0.223	33.01	-9.53
	64-QAM	1851.5	0.60	1 / 7	22.30	22.90	0.195	33.01	-10.11
	256-QAM	1851.5	0.60	15 / 0	19.19	19.79	0.095	33.01	-13.22
5 MHz	QPSK	1852.5	0.60	1 / 24	23.84	24.44	0.278	33.01	-8.57
		1882.5	0.60	1 / 24	23.77	24.37	0.274	33.01	-8.64
		1912.5	0.60	1 / 24	23.58	24.18	0.262	33.01	-8.83
	16-QAM	1852.5	0.60	1 / 12	23.23	23.83	0.242	33.01	-9.18
	64-QAM	1852.5	0.60	1 / 24	22.05	22.65	0.184	33.01	-10.36
	256-QAM	1852.5	0.60	25 / 0	19.30	19.90	0.098	33.01	-13.11
10 MHz	QPSK	1855.0	0.60	1 / 0	23.74	24.34	0.272	33.01	-8.67
		1882.5	0.60	1 / 25	23.70	24.30	0.269	33.01	-8.71
		1910.0	0.60	1 / 0	23.56	24.16	0.261	33.01	-8.85
	16-QAM	1855.0	0.60	1 / 0	23.19	23.79	0.239	33.01	-9.22
	64-QAM	1882.5	0.60	1 / 25	22.05	22.65	0.184	33.01	-10.36
	256-QAM	1855.0	0.60	50 / 0	19.38	19.98	0.100	33.01	-13.03
15 MHz	QPSK	1857.5	0.60	1 / 0	23.93	24.53	0.284	33.01	-8.48
		1882.5	0.60	1 / 0	23.63	24.23	0.265	33.01	-8.78
		1907.5	0.60	1 / 0	23.55	24.15	0.260	33.01	-8.86
	16-QAM	1882.5	0.60	1 / 0	23.00	23.60	0.229	33.01	-9.41
	64-QAM	1857.5	0.60	1 / 0	21.99	22.59	0.182	33.01	-10.42
	256-QAM	1857.5	0.60	75 / 0	19.29	19.89	0.098	33.01	-13.12
	QPSK	1860.0	0.60	1 / 0	23.57	24.17	0.261	33.01	-8.84
		1882.5	0.60	1 / 0	23.67	24.27	0.267	33.01	-8.74
		1905.0	0.60	1 / 0	23.66	24.26	0.267	33.01	-8.75
	16-QAM	1882.5	0.60	1 / 0	23.07	23.67	0.233	33.01	-9.34
	64-QAM	1860.0	0.60	1 / 0	21.90	22.50	0.178	33.01	-10.51
	256-QAM	1860.0	0.60	100 / 0	19.29	19.89	0.098	33.01	-13.12

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

FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170041-08-R1.BCG	Test Dates: 5/9/2025 - 7/31/2025	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	0.60	1 / 0	23.75	24.35	0.272	33.01	-8.66
		1880.0	0.60	1 / 0	23.71	24.31	0.270	33.01	-8.70
		1909.3	0.60	1 / 0	23.55	24.15	0.260	33.01	-8.86
	16-QAM	1850.7	0.60	1 / 0	23.16	23.76	0.238	33.01	-9.25
	64-QAM	1850.7	0.60	1 / 0	21.97	22.57	0.181	33.01	-10.44
	256-QAM	1850.7	0.60	6 / 0	19.28	19.88	0.097	33.01	-13.13
3 MHz	QPSK	1851.5	0.60	1 / 0	23.70	24.30	0.269	33.01	-8.71
		1880.0	0.60	1 / 0	23.78	24.38	0.274	33.01	-8.63
		1908.5	0.60	1 / 0	23.55	24.15	0.260	33.01	-8.86
	16-QAM	1880.0	0.60	1 / 0	23.08	23.68	0.233	33.01	-9.33
	64-QAM	1880.0	0.60	1 / 0	21.97	22.57	0.181	33.01	-10.44
	256-QAM	1851.5	0.60	15 / 0	19.28	19.88	0.097	33.01	-13.13
5 MHz	QPSK	1852.5	0.60	1 / 24	23.89	24.49	0.281	33.01	-8.52
		1880.0	0.60	1 / 12	23.88	24.48	0.281	33.01	-8.53
		1907.5	0.60	1 / 24	23.58	24.18	0.262	33.01	-8.83
	16-QAM	1880.0	0.60	1 / 12	23.25	23.85	0.243	33.01	-9.16
	64-QAM	1852.5	0.60	1 / 24	22.10	22.70	0.186	33.01	-10.31
	256-QAM	1880.0	0.60	25 / 0	19.35	19.95	0.099	33.01	-13.06
10 MHz	QPSK	1855.0	0.60	1 / 0	23.73	24.33	0.271	33.01	-8.68
		1880.0	0.60	1 / 0	23.72	24.32	0.271	33.01	-8.69
		1905.0	0.60	1 / 0	23.63	24.23	0.265	33.01	-8.78
	16-QAM	1880.0	0.60	1 / 0	23.09	23.69	0.234	33.01	-9.32
	64-QAM	1855.0	0.60	1 / 49	22.11	22.71	0.187	33.01	-10.30
	256-QAM	1855.0	0.60	50 / 0	19.44	20.04	0.101	33.01	-12.97
15 MHz	QPSK	1857.5	0.60	1 / 0	23.92	24.52	0.283	33.01	-8.49
		1880.0	0.60	1 / 0	23.73	24.33	0.271	33.01	-8.68
		1902.5	0.60	1 / 0	23.61	24.21	0.264	33.01	-8.80
	16-QAM	1880.0	0.60	1 / 0	23.04	23.64	0.231	33.01	-9.37
	64-QAM	1857.5	0.60	1 / 0	21.94	22.54	0.180	33.01	-10.47
	256-QAM	1857.5	0.60	75 / 0	19.34	19.94	0.099	33.01	-13.07
20 MHz	QPSK	1860.0	0.60	1 / 0	23.83	24.43	0.277	33.01	-8.58
		1880.0	0.60	1 / 0	23.52	24.12	0.258	33.01	-8.89
		1900.0	0.60	1 / 0	23.57	24.17	0.261	33.01	-8.84
	16-QAM	1860.0	0.60	1 / 0	23.11	23.71	0.235	33.01	-9.30
	64-QAM	1860.0	0.60	1 / 0	21.98	22.58	0.181	33.01	-10.43
	256-QAM	1860.0	0.60	100 / 0	19.33	19.93	0.098	33.01	-13.08

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

FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170041-08-R1.BCG	Test Dates: 5/9/2025 - 7/31/2025	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	0.60	25 / 0	23.89	24.49	0.281	33.01	-8.52
		1882.5	0.60	25 / 0	23.79	24.39	0.275	33.01	-8.62
		1912.5	0.60	25 / 0	23.76	24.36	0.273	33.01	-8.65
	QPSK	1852.5	0.60	1 / 12	23.82	24.42	0.276	33.01	-8.59
		1882.5	0.60	1 / 1	23.67	24.27	0.267	33.01	-8.74
		1912.5	0.60	1 / 23	23.71	24.31	0.270	33.01	-8.70
	16-QAM	1852.5	0.60	1 / 12	22.60	23.20	0.209	33.01	-9.81
	64-QAM	1912.5	0.60	25 / 0	21.88	22.48	0.177	33.01	-10.53
10 MHz	π/2 BPSK	1852.5	0.60	25 / 0	19.89	20.49	0.112	33.01	-12.52
		1882.5	0.60	50 / 0	23.90	24.50	0.282	33.01	-8.51
		1910.0	0.60	1 / 50	23.68	24.28	0.268	33.01	-8.73
	QPSK	1855.0	0.60	1 / 25	23.88	24.48	0.280	33.01	-8.53
		1882.5	0.60	1 / 50	23.86	24.46	0.279	33.01	-8.55
		1910.0	0.60	1 / 50	23.73	24.33	0.271	33.01	-8.68
	16-QAM	1910.0	0.60	1 / 25	22.65	23.25	0.212	33.01	-9.76
	64-QAM	1855.0	0.60	50 / 0	21.86	22.46	0.176	33.01	-10.55
15 MHz	π/2 BPSK	1855.0	0.60	50 / 0	20.01	20.61	0.115	33.01	-12.40
		1882.5	0.60	1 / 36	23.81	24.41	0.276	33.01	-8.60
		1907.5	0.60	1 / 1	23.63	24.23	0.265	33.01	-8.78
	QPSK	1857.5	0.60	75 / 0	23.66	24.26	0.266	33.01	-8.75
		1882.5	0.60	1 / 77	23.67	24.27	0.268	33.01	-8.74
		1907.5	0.60	1 / 77	23.64	24.24	0.265	33.01	-8.78
	16-QAM	1907.5	0.60	1 / 77	23.63	24.23	0.265	33.01	-8.78
	64-QAM	1882.5	0.60	1 / 1	22.64	23.24	0.211	33.01	-9.77
20 MHz	π/2 BPSK	1857.5	0.60	75 / 0	21.82	22.42	0.175	33.01	-10.59
		1882.5	0.60	75 / 0	19.79	20.39	0.109	33.01	-12.62
		1857.5	0.60	75 / 0	19.79	20.39	0.109	33.01	-12.62
	QPSK	1860.0	0.60	100 / 0	23.72	24.32	0.271	33.01	-8.69
		1882.5	0.60	100 / 0	23.66	24.26	0.267	33.01	-8.75
		1905.0	0.60	100 / 0	23.68	24.28	0.268	33.01	-8.73
	16-QAM	1860.0	0.60	1 / 1	23.71	24.31	0.270	33.01	-8.70
	64-QAM	1882.5	0.60	1 / 1	23.63	24.23	0.265	33.01	-8.78
25 MHz	π/2 BPSK	1905.0	0.60	1 / 1	23.61	24.21	0.264	33.01	-8.80
		1860.0	0.60	1 / 104	22.65	23.25	0.212	33.01	-9.76
		1860.0	0.60	100 / 0	21.84	22.44	0.175	33.01	-10.57
	QPSK	1860.0	0.60	100 / 0	19.89	20.49	0.112	33.01	-12.52
		1862.5	0.60	128 / 0	23.80	24.40	0.275	33.01	-8.61
		1882.5	0.60	128 / 0	23.61	24.21	0.264	33.01	-8.80
	16-QAM	1862.5	0.60	1 / 64	23.66	24.26	0.266	33.01	-8.75
	64-QAM	1882.5	0.60	1 / 1	23.51	24.11	0.258	33.01	-8.90
30 MHz	π/2 BPSK	1902.5	0.60	1 / 64	23.51	24.11	0.258	33.01	-8.90
		1862.5	0.60	1 / 64	22.69	23.29	0.213	33.01	-9.72
		1862.5	0.60	128 / 0	21.86	22.46	0.176	33.01	-10.55
	QPSK	1862.5	0.60	128 / 0	19.82	20.42	0.110	33.01	-12.59
		1865.0	0.60	160 / 0	23.78	24.38	0.274	33.01	-8.63
		1882.5	0.60	1 / 1	23.72	24.32	0.270	33.01	-8.69
	16-QAM	1900.0	0.60	160 / 0	23.72	24.32	0.270	33.01	-8.69
	64-QAM	1865.0	0.60	1 / 80	23.74	24.34	0.272	33.01	-8.67
35 MHz	π/2 BPSK	1882.5	0.60	1 / 1	23.75	24.35	0.272	33.01	-8.66
		1900.0	0.60	1 / 1	23.68	24.28	0.268	33.01	-8.73
		1865.0	0.60	1 / 158	22.62	23.22	0.210	33.01	-9.79
	QPSK	1865.0	0.60	160 / 0	21.81	22.41	0.174	33.01	-10.60
		1865.0	0.60	160 / 0	19.75	20.35	0.108	33.01	-12.66
		1867.5	0.60	180 / 0	22.28	22.88	0.194	33.01	-10.13
	16-QAM	1867.5	0.60	1 / 93	23.65	24.25	0.266	33.01	-8.76
	64-QAM	1882.5	0.60	1 / 1	23.63	24.23	0.265	33.01	-8.78
40 MHz	π/2 BPSK	1897.5	0.60	1 / 93	23.66	24.26	0.267	33.01	-8.75
		1867.5	0.60	1 / 1	23.79	24.39	0.275	33.01	-8.62
		1882.5	0.60	1 / 1	23.78	24.38	0.274	33.01	-8.63
	QPSK	1897.5	0.60	1 / 1	23.53	24.13	0.259	33.01	-8.88
		1867.5	0.60	1 / 1	22.38	22.98	0.199	33.01	-10.03
		1867.5	0.60	180 / 0	22.28	22.88	0.194	33.01	-10.13
	16-QAM	1867.5	0.60	180 / 0	20.34	20.94	0.124	33.01	-12.07
	64-QAM	1870.0	0.60	216 / 0	23.87	24.47	0.280	33.01	-8.54
40 MHz	π/2 BPSK	1882.5	0.60	216 / 0	23.70	24.30	0.269	33.01	-8.71
		1895.0	0.60	216 / 0	23.80	24.40	0.275	33.01	-8.61
		1870.0	0.60	1 / 1	23.72	24.32	0.270	33.01	-8.69
	QPSK	1882.5	0.60	1 / 1	23.72	24.32	0.270	33.01	-8.69
		1895.0	0.60	1 / 1	23.75	24.35	0.273	33.01	-8.66
		1870.0	0.60	1 / 108	22.68	23.28	0.213	33.01	-9.73
	16-QAM	1870.0	0.60	216 / 0	21.77	22.37	0.172	33.01	-10.64
	64-QAM	1870.0	0.60	216 / 0	19.72	20.32	0.108	33.01	-12.69

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

FCC ID: BCGA3361		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	0.60	25 / 0	23.56	24.16	0.261	33.01	-8.85
		1880.0	0.60	25 / 0	23.54	24.14	0.260	33.01	-8.87
		1907.5	0.60	25 / 0	23.57	24.17	0.261	33.01	-8.84
	QPSK	1852.5	0.60	1 / 12	23.70	24.30	0.269	33.01	-8.71
		1880.0	0.60	1 / 1	23.59	24.19	0.262	33.01	-8.82
		1907.5	0.60	1 / 12	23.60	24.20	0.263	33.01	-8.81
	16-QAM	1852.5	0.60	1 / 1	22.49	23.09	0.204	33.01	-9.92
	64-QAM	1852.5	0.60	25 / 0	21.74	22.34	0.171	33.01	-10.67
10 MHz	π/2 BPSK	1852.5	0.60	25 / 0	19.82	20.42	0.110	33.01	-12.59
		1880.0	0.60	50 / 0	23.77	24.37	0.274	33.01	-8.64
		1905.0	0.60	50 / 0	23.67	24.27	0.267	33.01	-8.74
	QPSK	1855.0	0.60	1 / 1	23.64	24.24	0.265	33.01	-8.77
		1880.0	0.60	1 / 1	23.70	24.30	0.269	33.01	-8.71
		1905.0	0.60	1 / 1	23.55	24.15	0.260	33.01	-8.86
	16-QAM	1855.0	0.60	1 / 1	23.59	24.19	0.262	33.01	-8.82
	64-QAM	1855.0	0.60	50 / 0	22.40	23.00	0.199	33.01	-10.01
15 MHz	π/2 BPSK	1855.0	0.60	50 / 0	21.69	22.29	0.170	33.01	-10.72
		1880.0	0.60	50 / 0	19.78	20.38	0.109	33.01	-12.63
		1905.0	0.60	75 / 0	23.67	24.27	0.267	33.01	-8.74
	QPSK	1880.0	0.60	75 / 0	23.54	24.14	0.259	33.01	-8.87
		1902.5	0.60	75 / 0	23.52	24.12	0.258	33.01	-8.89
		1857.5	0.60	1 / 1	23.62	24.22	0.264	33.01	-8.79
	16-QAM	1880.0	0.60	1 / 1	23.66	24.26	0.267	33.01	-8.75
	64-QAM	1902.5	0.60	1 / 77	23.62	24.22	0.264	33.01	-8.79
20 MHz	π/2 BPSK	1880.0	0.60	1 / 1	22.53	23.13	0.206	33.01	-9.88
		1857.5	0.60	75 / 0	21.75	22.35	0.172	33.01	-10.66
		1857.5	0.60	75 / 0	19.74	20.34	0.108	33.01	-12.67
	QPSK	1860.0	0.60	100 / 0	23.65	24.25	0.266	33.01	-8.76
		1880.0	0.60	1 / 1	23.56	24.16	0.261	33.01	-8.85
		1900.0	0.60	100 / 0	23.62	24.22	0.264	33.01	-8.79
	16-QAM	1860.0	0.60	1 / 1	23.57	24.17	0.261	33.01	-8.84
	64-QAM	1880.0	0.60	1 / 1	23.58	24.18	0.262	33.01	-8.83
25 MHz	π/2 BPSK	1900.0	0.60	1 / 1	23.52	24.12	0.258	33.01	-8.89
		1860.0	0.60	1 / 50	22.45	23.05	0.202	33.01	-9.96
		1860.0	0.60	100 / 0	21.64	22.24	0.167	33.01	-10.77
	QPSK	1860.0	0.60	100 / 0	19.71	20.31	0.107	33.01	-12.70
		1862.5	0.60	128 / 0	23.71	24.31	0.270	33.01	-8.70
		1880.0	0.60	1 / 1	23.56	24.16	0.260	33.01	-8.85
	16-QAM	1862.5	0.60	1 / 64	23.63	24.23	0.265	33.01	-8.78
	64-QAM	1880.0	0.60	1 / 1	23.69	24.29	0.268	33.01	-8.72
30 MHz	π/2 BPSK	1880.0	0.60	1 / 1	23.54	24.14	0.260	33.01	-8.87
		1897.5	0.60	1 / 64	23.59	24.19	0.262	33.01	-8.82
		1862.5	0.60	128 / 0	23.69	24.29	0.268	33.01	-8.72
	QPSK	1880.0	0.60	1 / 1	23.54	24.14	0.260	33.01	-8.87
		1897.5	0.60	1 / 64	23.59	24.19	0.262	33.01	-8.82
		1862.5	0.60	128 / 0	23.69	24.29	0.268	33.01	-8.72
	16-QAM	1880.0	0.60	1 / 1	22.39	22.99	0.199	33.01	-10.02
	64-QAM	1862.5	0.60	128 / 0	21.76	22.36	0.172	33.01	-10.65
35 MHz	π/2 BPSK	1862.5	0.60	128 / 0	19.74	20.34	0.108	33.01	-12.67
		1865.0	0.60	160 / 0	23.61	24.21	0.263	33.01	-8.80
		1880.0	0.60	1 / 1	23.51	24.11	0.258	33.01	-8.90
	QPSK	1895.0	0.60	160 / 0	23.53	24.13	0.259	33.01	-8.88
		1865.0	0.60	1 / 80	23.64	24.24	0.265	33.01	-8.77
		1880.0	0.60	1 / 1	23.91	24.51	0.283	33.01	-8.50
	16-QAM	1895.0	0.60	1 / 80	23.65	24.25	0.266	33.01	-8.76
	64-QAM	1865.0	0.60	160 / 0	21.67	22.27	0.169	33.01	-10.74
40 MHz	π/2 BPSK	1865.0	0.60	160 / 0	19.67	20.27	0.106	33.01	-12.74
		1867.5	0.60	180 / 0	23.68	24.28	0.268	33.01	-8.73
		1880.0	0.60	180 / 0	23.56	24.16	0.260	33.01	-8.86
	QPSK	1892.5	0.60	1 / 93	23.63	24.23	0.265	33.01	-8.78
		1867.5	0.60	1 / 1	23.55	24.15	0.260	33.01	-8.86
		1880.0	0.60	1 / 1	23.70	24.30	0.269	33.01	-8.71
	16-QAM	1892.5	0.60	1 / 1	23.57	24.17	0.261	33.01	-8.84
	64-QAM	1867.5	0.60	1 / 1	22.49	23.09	0.204	33.01	-9.92
40 MHz	π/2 BPSK	1867.5	0.60	1 / 186	23.68	24.28	0.268	33.01	-8.73
		1867.5	0.60	180 / 0	19.83	20.43	0.110	33.01	-12.58
		1870.0	0.60	216 / 0	23.62	24.22	0.264	33.01	-8.79
	QPSK	1880.0	0.60	1 / 1	23.58	24.18	0.262	33.01	-8.83
		1890.0	0.60	216 / 0	23.52	24.12	0.258	33.01	-8.89
		1870.0	0.60	1 / 108	23.55	24.15	0.260	33.01	-8.86
	16-QAM	1880.0	0.60	1 / 214	23.75	24.35	0.273	33.01	-8.66
	64-QAM	1890.0	0.60	1 / 1	23.63	24.23	0.265	33.01	-8.78
40 MHz	QPSK	1880.0	0.60	1 / 1	22.60	23.20	0.209	33.01	-9.81
		1870.0	0.60	216 / 0	21.75	22.35	0.172	33.01	-10.66
40 MHz	QPSK	1870.0	0.60	216 / 0	19.70	20.30	0.107	33.01	-12.71
		1870.0	0.60	216 / 0	19.70	20.30	0.107	33.01	-12.71

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

FCC ID: BCGA3361		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-08-R1.BCG	Test Dates: 5/9/2025 - 7/31/2025	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	0.60	24.59	0.288	33.01	-8.42
1880.00	WCDMA1900	24.02	0.60	24.62	0.290	33.01	-8.39
1907.60	WCDMA1900	24.05	0.60	24.65	0.292	33.01	-8.36

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

FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170041-08-R1.BCG	Test Dates: 5/9/2025 - 7/31/2025	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	0.50	1 / 0	24.78	25.28	0.338	33.01	-7.73
		1882.5	0.50	1 / 0	24.74	25.24	0.335	33.01	-7.77
		1914.3	0.50	1 / 0	24.55	25.05	0.320	33.01	-7.96
	16-QAM	1850.7	0.50	1 / 0	24.14	24.64	0.291	33.01	-8.37
	64-QAM	1850.7	0.50	1 / 3	23.33	23.83	0.242	33.01	-9.18
	256-QAM	1850.7	0.50	6 / 0	20.17	20.67	0.117	33.01	-12.34
3 MHz	QPSK	1851.5	0.50	1 / 0	24.76	25.26	0.336	33.01	-7.75
		1882.5	0.50	1 / 0	24.60	25.10	0.324	33.01	-7.91
		1913.5	0.50	1 / 0	24.56	25.06	0.321	33.01	-7.95
	16-QAM	1882.5	0.50	1 / 0	24.03	24.53	0.284	33.01	-8.48
	64-QAM	1882.5	0.50	1 / 7	23.16	23.66	0.233	33.01	-9.35
	256-QAM	1851.5	0.50	15 / 0	20.23	20.73	0.118	33.01	-12.28
5 MHz	QPSK	1852.5	0.50	1 / 24	24.95	25.45	0.351	33.01	-7.56
		1882.5	0.50	1 / 12	24.79	25.29	0.338	33.01	-7.72
		1912.5	0.50	1 / 0	24.51	25.01	0.317	33.01	-8.00
	16-QAM	1882.5	0.50	1 / 12	24.23	24.73	0.297	33.01	-8.28
	64-QAM	1852.5	0.50	1 / 24	23.11	23.61	0.230	33.01	-9.40
	256-QAM	1852.5	0.50	25 / 0	20.35	20.85	0.122	33.01	-12.16
10 MHz	QPSK	1855.0	0.50	1 / 0	24.71	25.21	0.332	33.01	-7.80
		1882.5	0.50	1 / 0	24.56	25.06	0.321	33.01	-7.95
		1910.0	0.50	1 / 0	24.52	25.02	0.318	33.01	-7.99
	16-QAM	1882.5	0.50	1 / 0	24.01	24.51	0.283	33.01	-8.50
	64-QAM	1855.0	0.50	1 / 0	23.05	23.55	0.227	33.01	-9.46
	256-QAM	1855.0	0.50	50 / 0	20.29	20.79	0.120	33.01	-12.22
15 MHz	QPSK	1857.5	0.50	1 / 0	24.82	25.32	0.341	33.01	-7.69
		1882.5	0.50	1 / 0	24.57	25.07	0.322	33.01	-7.94
		1907.5	0.50	1 / 0	24.58	25.08	0.322	33.01	-7.93
	16-QAM	1857.5	0.50	1 / 0	24.00	24.50	0.282	33.01	-8.51
	64-QAM	1857.5	0.50	1 / 0	22.95	23.45	0.222	33.01	-9.56
	256-QAM	1857.5	0.50	75 / 0	20.24	20.74	0.119	33.01	-12.27
	QPSK	1860.0	0.50	1 / 0	24.78	25.28	0.338	33.01	-7.73
		1882.5	0.50	1 / 0	24.37	24.87	0.307	33.01	-8.14
		1905.0	0.50	1 / 0	24.53	25.03	0.319	33.01	-7.98
	16-QAM	1860.0	0.50	1 / 0	24.05	24.55	0.285	33.01	-8.46
	64-QAM	1860.0	0.50	1 / 0	22.89	23.39	0.218	33.01	-9.62
	256-QAM	1860.0	0.50	100 / 0	20.30	20.80	0.120	33.01	-12.21

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

FCC ID: BCGA3361		PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170041-08-R1.BCG	Test Dates: 5/9/2025 - 7/31/2025	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	0.50	1 / 0	24.69	25.19	0.331	33.01	-7.82
		1880.0	0.50	1 / 0	24.57	25.07	0.321	33.01	-7.94
		1909.3	0.50	1 / 0	24.59	25.09	0.323	33.01	-7.92
	16-QAM	1850.7	0.50	1 / 0	23.82	24.32	0.271	33.01	-8.69
	64-QAM	1850.7	0.50	1 / 0	22.77	23.27	0.212	33.01	-9.74
	256-QAM	1850.7	0.50	6 / 0	20.01	20.51	0.113	33.01	-12.50
3 MHz	QPSK	1851.5	0.50	1 / 0	24.65	25.15	0.327	33.01	-7.86
		1880.0	0.50	1 / 0	24.56	25.06	0.321	33.01	-7.95
		1908.5	0.50	1 / 0	24.51	25.01	0.317	33.01	-8.00
	16-QAM	1880.0	0.50	1 / 0	23.87	24.37	0.274	33.01	-8.64
	64-QAM	1851.5	0.50	1 / 0	22.86	23.36	0.217	33.01	-9.65
	256-QAM	1851.5	0.50	15 / 0	20.09	20.59	0.115	33.01	-12.42
5 MHz	QPSK	1852.5	0.50	1 / 24	24.73	25.23	0.334	33.01	-7.78
		1880.0	0.50	1 / 24	24.62	25.12	0.325	33.01	-7.89
		1907.5	0.50	1 / 0	24.57	25.07	0.321	33.01	-7.94
	16-QAM	1852.5	0.50	1 / 0	24.08	24.58	0.287	33.01	-8.43
	64-QAM	1852.5	0.50	1 / 24	22.91	23.41	0.219	33.01	-9.60
	256-QAM	1852.5	0.50	25 / 0	20.17	20.67	0.117	33.01	-12.34
10 MHz	QPSK	1855.0	0.50	1 / 0	24.59	25.09	0.323	33.01	-7.92
		1880.0	0.50	1 / 49	24.53	25.03	0.318	33.01	-7.98
		1905.0	0.50	1 / 25	24.58	25.08	0.322	33.01	-7.93
	16-QAM	1855.0	0.50	1 / 49	23.90	24.40	0.276	33.01	-8.61
	64-QAM	1855.0	0.50	1 / 49	22.88	23.38	0.218	33.01	-9.63
	256-QAM	1855.0	0.50	50 / 0	20.17	20.67	0.117	33.01	-12.34
15 MHz	QPSK	1857.5	0.50	1 / 0	24.70	25.20	0.331	33.01	-7.81
		1880.0	0.50	1 / 74	24.67	25.17	0.329	33.01	-7.84
		1902.5	0.50	1 / 0	24.58	25.08	0.322	33.01	-7.93
	16-QAM	1857.5	0.50	1 / 0	23.79	24.29	0.269	33.01	-8.72
	64-QAM	1857.5	0.50	1 / 74	22.74	23.24	0.211	33.01	-9.77
	256-QAM	1857.5	0.50	75 / 0	20.10	20.60	0.115	33.01	-12.41
20 MHz	QPSK	1860.0	0.50	1 / 0	24.56	25.06	0.321	33.01	-7.95
		1880.0	0.50	1 / 0	24.68	25.18	0.330	33.01	-7.83
		1900.0	0.50	1 / 0	24.56	25.06	0.321	33.01	-7.95
	16-QAM	1860.0	0.50	1 / 0	23.90	24.40	0.276	33.01	-8.61
	64-QAM	1860.0	0.50	1 / 0	22.76	23.26	0.212	33.01	-9.75
	256-QAM	1860.0	0.50	100 / 0	20.12	20.62	0.115	33.01	-12.39

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

FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170041-08-R1.BCG	Test Dates: 5/9/2025 - 7/31/2025	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	0.50	1 / 23	24.71	25.21	0.332	33.01	-7.80
		1882.5	0.50	25 / 0	24.63	25.13	0.326	33.01	-7.88
		1912.5	0.50	25 / 0	24.59	25.09	0.323	33.01	-7.92
	QPSK	1852.5	0.50	1 / 1	24.91	25.41	0.347	33.01	-7.60
		1882.5	0.50	1 / 1	24.66	25.16	0.328	33.01	-7.85
		1912.5	0.50	1 / 1	24.61	25.11	0.324	33.01	-7.90
	16-QAM	1852.5	0.50	1 / 23	23.47	23.97	0.249	33.01	-9.04
	64-QAM	1852.5	0.50	25 / 0	22.46	22.96	0.198	33.01	-10.05
	256-QAM	1852.5	0.50	25 / 0	20.46	20.96	0.125	33.01	-12.05
10 MHz	π/2 BPSK	1855.0	0.50	50 / 0	24.66	25.16	0.328	33.01	-7.85
		1882.5	0.50	1 / 25	24.62	25.12	0.325	33.01	-7.89
		1910.0	0.50	50 / 0	24.62	25.12	0.325	33.01	-7.89
	QPSK	1855.0	0.50	1 / 1	24.80	25.30	0.339	33.01	-7.71
		1882.5	0.50	1 / 1	24.68	25.18	0.330	33.01	-7.83
		1910.0	0.50	1 / 25	24.69	25.19	0.330	33.01	-7.82
	16-QAM	1855.0	0.50	1 / 25	23.30	23.80	0.240	33.01	-9.21
	64-QAM	1855.0	0.50	50 / 0	22.52	23.02	0.200	33.01	-9.99
	256-QAM	1855.0	0.50	50 / 0	20.66	21.16	0.131	33.01	-11.85
15 MHz	π/2 BPSK	1857.5	0.50	75 / 0	24.60	25.10	0.324	33.01	-7.91
		1882.5	0.50	75 / 0	24.50	25.00	0.316	33.01	-8.01
		1907.5	0.50	75 / 0	24.55	25.05	0.320	33.01	-7.96
	QPSK	1857.5	0.50	1 / 36	24.51	25.01	0.317	33.01	-8.00
		1882.5	0.50	1 / 1	24.61	25.11	0.324	33.01	-7.90
		1907.5	0.50	1 / 36	24.62	25.12	0.325	33.01	-7.89
	16-QAM	1907.5	0.50	1 / 36	23.35	23.85	0.243	33.01	-9.16
	64-QAM	1857.5	0.50	75 / 0	22.51	23.01	0.200	33.01	-10.00
	256-QAM	1857.5	0.50	75 / 0	20.51	21.01	0.126	33.01	-12.00
20 MHz	π/2 BPSK	1860.0	0.50	100 / 0	24.52	25.02	0.318	33.01	-7.99
		1882.5	0.50	100 / 0	24.76	25.26	0.336	33.01	-7.75
		1905.0	0.50	100 / 0	24.61	25.11	0.324	33.01	-7.90
	QPSK	1860.0	0.50	1 / 1	24.65	25.15	0.327	33.01	-7.86
		1882.5	0.50	1 / 1	24.68	25.18	0.330	33.01	-7.83
		1905.0	0.50	1 / 104	24.70	25.20	0.331	33.01	-7.81
	16-QAM	1860.0	0.50	1 / 104	23.26	23.76	0.238	33.01	-9.25
	64-QAM	1860.0	0.50	100 / 0	22.48	22.98	0.199	33.01	-10.03
	256-QAM	1860.0	0.50	100 / 0	20.47	20.97	0.125	33.01	-12.04
25 MHz	π/2 BPSK	1862.5	0.50	128 / 0	24.61	25.11	0.324	33.01	-7.90
		1882.5	0.50	128 / 0	24.63	25.13	0.326	33.01	-7.88
		1902.5	0.50	128 / 0	24.55	25.05	0.320	33.01	-7.96
	QPSK	1862.5	0.50	1 / 64	24.76	25.26	0.336	33.01	-7.75
		1882.5	0.50	1 / 1	24.75	25.25	0.335	33.01	-7.76
		1902.5	0.50	1 / 64	24.65	25.15	0.327	33.01	-7.86
	16-QAM	1882.5	0.50	1 / 64	23.28	23.78	0.239	33.01	-9.23
	64-QAM	1862.5	0.50	128 / 0	22.50	23.00	0.200	33.01	-10.01
	256-QAM	1862.5	0.50	128 / 0	20.57	21.07	0.128	33.01	-11.94
30 MHz	π/2 BPSK	1865.0	0.50	160 / 0	24.61	25.11	0.324	33.01	-7.90
		1882.5	0.50	1 / 1	24.55	25.05	0.320	33.01	-7.96
		1900.0	0.50	160 / 0	24.66	25.16	0.328	33.01	-7.85
	QPSK	1865.0	0.50	1 / 1	24.55	25.05	0.320	33.01	-7.96
		1882.5	0.50	1 / 1	24.65	25.15	0.327	33.01	-7.86
		1900.0	0.50	1 / 1	24.71	25.21	0.332	33.01	-7.80
	16-QAM	1882.5	0.50	1 / 1	23.30	23.80	0.240	33.01	-9.21
	64-QAM	1865.0	0.50	160 / 0	22.43	22.93	0.196	33.01	-10.08
	256-QAM	1865.0	0.50	160 / 0	20.39	20.89	0.123	33.01	-12.12
35 MHz	π/2 BPSK	1867.5	0.50	180 / 0	24.69	25.19	0.330	33.01	-7.82
		1882.5	0.50	1 / 1	24.72	25.22	0.333	33.01	-7.79
		1897.5	0.50	180 / 0	24.68	25.18	0.330	33.01	-7.83
	QPSK	1867.5	0.50	1 / 1	24.65	25.15	0.327	33.01	-7.86
		1882.5	0.50	1 / 1	24.76	25.26	0.336	33.01	-7.75
		1897.5	0.50	1 / 1	24.66	25.16	0.328	33.01	-7.85
	16-QAM	1882.5	0.50	1 / 1	23.16	23.66	0.232	33.01	-9.35
	64-QAM	1882.5	0.50	180 / 0	22.92	23.42	0.220	33.01	-9.59
	256-QAM	1867.5	0.50	180 / 0	20.96	21.46	0.140	33.01	-11.55
40 MHz	π/2 BPSK	1870.0	0.50	216 / 0	24.57	25.07	0.321	33.01	-7.94
		1882.5	0.50	216 / 0	24.61	25.11	0.324	33.01	-7.90
		1895.0	0.50	216 / 0	24.72	25.22	0.333	33.01	-7.79
	QPSK	1870.0	0.50	1 / 1	24.60	25.10	0.324	33.01	-7.91
		1882.5	0.50	1 / 1	24.66	25.16	0.328	33.01	-7.85
		1895.0	0.50	1 / 1	24.66	25.16	0.328	33.01	-7.85
	16-QAM	1870.0	0.50	1 / 108	23.39	23.89	0.245	33.01	-9.12
	64-QAM	1870.0	0.50	216 / 0	22.49	22.99	0.199	33.01	-10.02
	256-QAM	1870.0	0.50	216 / 0	20.52	21.02	0.126	33.01	-11.99

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

FCC ID: BCGA3361		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	$\pi/2$ BPSK	1852.5	0.50	1 / 12	24.77	25.27	0.337	33.01	-7.74
		1880.0	0.50	25 / 0	24.66	25.16	0.328	33.01	-7.85
		1907.5	0.50	25 / 0	24.76	25.26	0.336	33.01	-7.75
	QPSK	1852.5	0.50	1 / 1	24.92	25.42	0.348	33.01	-7.59
		1880.0	0.50	1 / 23	24.52	25.02	0.318	33.01	-7.99
		1907.5	0.50	1 / 12	24.58	25.08	0.322	33.01	-7.93
	16-QAM	1852.5	0.50	1 / 23	23.55	24.05	0.254	33.01	-8.96
	256-QAM	1852.5	0.50	25 / 0	22.77	23.27	0.213	33.01	-9.74
10 MHz	$\pi/2$ BPSK	1855.0	0.50	50 / 0	24.86	25.36	0.343	33.01	-7.65
		1880.0	0.50	50 / 0	24.72	25.22	0.333	33.01	-7.79
		1905.0	0.50	50 / 0	24.73	25.23	0.334	33.01	-7.78
	QPSK	1855.0	0.50	1 / 25	24.77	25.27	0.336	33.01	-7.74
		1880.0	0.50	1 / 1	24.76	25.26	0.335	33.01	-7.75
		1905.0	0.50	1 / 50	24.79	25.29	0.338	33.01	-7.72
	16-QAM	1855.0	0.50	1 / 50	23.78	24.28	0.268	33.01	-8.74
	256-QAM	1855.0	0.50	50 / 0	22.96	23.46	0.222	33.01	-9.55
15 MHz	$\pi/2$ BPSK	1857.5	0.50	75 / 0	24.83	25.33	0.341	33.01	-7.68
		1880.0	0.50	75 / 0	24.62	25.12	0.325	33.01	-7.89
		1902.5	0.50	75 / 0	24.65	25.15	0.328	33.01	-7.86
	QPSK	1857.5	0.50	1 / 36	24.69	25.19	0.331	33.01	-7.82
		1880.0	0.50	1 / 1	24.62	25.12	0.325	33.01	-7.89
		1902.5	0.50	1 / 77	24.59	25.09	0.323	33.01	-7.92
	16-QAM	1857.5	0.50	1 / 36	23.52	24.02	0.252	33.01	-8.99
	256-QAM	1857.5	0.50	75 / 0	22.77	23.27	0.212	33.01	-9.74
20 MHz	$\pi/2$ BPSK	1860.0	0.50	1 / 50	24.70	25.20	0.331	33.01	-7.81
		1880.0	0.50	100 / 0	24.62	25.12	0.325	33.01	-7.89
		1900.0	0.50	100 / 0	24.59	25.09	0.323	33.01	-7.92
	QPSK	1860.0	0.50	1 / 104	24.72	25.22	0.332	33.01	-7.79
		1880.0	0.50	1 / 1	24.69	25.19	0.330	33.01	-7.82
		1900.0	0.50	1 / 104	24.65	25.15	0.327	33.01	-7.86
	16-QAM	1860.0	0.50	1 / 1	23.64	24.14	0.259	33.01	-8.87
	256-QAM	1860.0	0.50	100 / 0	22.72	23.22	0.210	33.01	-9.79
25 MHz	$\pi/2$ BPSK	1862.5	0.50	128 / 0	24.63	25.13	0.326	33.01	-7.88
		1880.0	0.50	128 / 0	24.61	25.11	0.324	33.01	-7.90
		1897.5	0.50	1 / 64	24.62	25.12	0.325	33.01	-7.89
	QPSK	1862.5	0.50	1 / 64	24.59	25.09	0.323	33.01	-7.92
		1880.0	0.50	1 / 1	24.60	25.10	0.324	33.01	-7.91
		1897.5	0.50	1 / 64	24.62	25.12	0.325	33.01	-7.89
	16-QAM	1862.5	0.50	1 / 64	23.36	23.86	0.243	33.01	-9.15
	256-QAM	1862.5	0.50	128 / 0	22.74	23.24	0.211	33.01	-9.77
30 MHz	$\pi/2$ BPSK	1865.0	0.50	160 / 0	24.72	25.22	0.332	33.01	-7.79
		1880.0	0.50	160 / 0	24.72	25.22	0.333	33.01	-7.79
		1895.0	0.50	160 / 0	24.67	25.17	0.329	33.01	-7.84
	QPSK	1865.0	0.50	1 / 1	24.69	25.19	0.331	33.01	-7.82
		1880.0	0.50	1 / 1	24.63	25.13	0.326	33.01	-7.88
		1895.0	0.50	1 / 80	24.57	25.07	0.321	33.01	-7.94
	16-QAM	1895.0	0.50	1 / 158	23.61	24.11	0.257	33.01	-8.90
	256-QAM	1865.0	0.50	160 / 0	22.67	23.17	0.208	33.01	-9.84
35 MHz	$\pi/2$ BPSK	1867.5	0.50	1 / 93	24.54	25.04	0.319	33.01	-7.97
		1880.0	0.50	1 / 93	24.58	25.08	0.322	33.01	-7.93
		1892.5	0.50	1 / 1	24.56	25.06	0.321	33.01	-7.95
	QPSK	1867.5	0.50	1 / 1	24.66	25.16	0.328	33.01	-7.85
		1880.0	0.50	1 / 1	24.74	25.24	0.334	33.01	-7.77
		1892.5	0.50	1 / 1	24.60	25.10	0.324	33.01	-7.91
	16-QAM	1867.5	0.50	1 / 1	23.45	23.95	0.248	33.01	-9.06
	256-QAM	1867.5	0.50	180 / 0	21.00	21.50	0.141	33.01	-11.51
40 MHz	$\pi/2$ BPSK	1870.0	0.50	216 / 0	24.82	25.32	0.340	33.01	-7.69
		1880.0	0.50	216 / 0	24.74	25.24	0.334	33.01	-7.77
		1890.0	0.50	1 / 214	24.75	25.25	0.335	33.01	-7.76
	QPSK	1870.0	0.50	1 / 108	24.78	25.28	0.338	33.01	-7.73
		1880.0	0.50	1 / 1	24.62	25.12	0.325	33.01	-7.89
		1890.0	0.50	1 / 1	24.71	25.21	0.332	33.01	-7.80
	16-QAM	1890.0	0.50	1 / 108	23.62	24.12	0.258	33.01	-8.89
	256-QAM	1870.0	0.50	216 / 0	22.72	23.22	0.210	33.01	-9.79

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

FCC ID: BCGA3361		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-08-R1.BCG	Test Dates: 5/9/2025 - 7/31/2025	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	25.07	0.50	25.57	0.361	33.01	-7.44
1880.00	WCDMA1900	25.01	0.50	25.51	0.356	33.01	-7.50
1907.60	WCDMA1900	24.98	0.50	25.48	0.353	33.01	-7.53

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

FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-08-R1.BCG	Test Dates: 5/9/2025 - 7/31/2025	EUT Type: Tablet Device
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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	-1.10	1 / 0	23.93	22.83	0.192	33.01	-10.18
		1882.5	-1.10	1 / 0	23.61	22.51	0.178	33.01	-10.50
		1914.3	-1.10	1 / 0	23.72	22.62	0.183	33.01	-10.39
	16-QAM	1850.7	-1.10	1 / 0	23.06	21.96	0.157	33.01	-11.05
	64-QAM	1850.7	-1.10	1 / 0	21.99	20.89	0.123	33.01	-12.12
	256-QAM	1850.7	-1.10	6 / 0	19.24	18.14	0.065	33.01	-14.87
3 MHz	QPSK	1851.5	-1.10	1 / 0	23.69	22.59	0.182	33.01	-10.42
		1882.5	-1.10	1 / 0	23.55	22.45	0.176	33.01	-10.56
		1913.5	-1.10	1 / 0	23.64	22.54	0.180	33.01	-10.47
	16-QAM	1851.5	-1.10	1 / 0	23.06	21.96	0.157	33.01	-11.05
	64-QAM	1851.5	-1.10	1 / 0	21.99	20.89	0.123	33.01	-12.12
	256-QAM	1851.5	-1.10	15 / 0	19.25	18.15	0.065	33.01	-14.86
5 MHz	QPSK	1852.5	-1.10	1 / 12	23.88	22.78	0.190	33.01	-10.23
		1882.5	-1.10	1 / 24	23.74	22.64	0.184	33.01	-10.37
		1912.5	-1.10	1 / 24	23.60	22.50	0.178	33.01	-10.51
	16-QAM	1852.5	-1.10	1 / 24	23.29	22.19	0.166	33.01	-10.82
	64-QAM	1852.5	-1.10	1 / 24	22.03	20.93	0.124	33.01	-12.08
	256-QAM	1852.5	-1.10	25 / 0	19.32	18.22	0.066	33.01	-14.79
10 MHz	QPSK	1855.0	-1.10	1 / 25	23.73	22.63	0.183	33.01	-10.38
		1882.5	-1.10	1 / 0	23.64	22.54	0.180	33.01	-10.47
		1910.0	-1.10	1 / 0	23.58	22.48	0.177	33.01	-10.53
	16-QAM	1855.0	-1.10	1 / 0	23.09	21.99	0.158	33.01	-11.02
	64-QAM	1855.0	-1.10	1 / 25	22.15	21.05	0.127	33.01	-11.96
	256-QAM	1855.0	-1.10	50 / 0	19.33	18.23	0.067	33.01	-14.78
15 MHz	QPSK	1857.5	-1.10	1 / 0	23.80	22.70	0.186	33.01	-10.31
		1882.5	-1.10	1 / 0	23.63	22.53	0.179	33.01	-10.48
		1907.5	-1.10	1 / 0	23.56	22.46	0.176	33.01	-10.55
	16-QAM	1857.5	-1.10	1 / 0	23.04	21.94	0.156	33.01	-11.07
	64-QAM	1882.5	-1.10	1 / 74	21.92	20.82	0.121	33.01	-12.19
	256-QAM	1857.5	-1.10	75 / 0	19.24	18.14	0.065	33.01	-14.87
	QPSK	1860.0	-1.10	1 / 0	23.80	22.70	0.186	33.01	-10.31
		1882.5	-1.10	1 / 0	23.64	22.54	0.180	33.01	-10.47
		1905.0	-1.10	1 / 0	23.65	22.55	0.180	33.01	-10.46
	16-QAM	1860.0	-1.10	1 / 0	23.18	22.08	0.161	33.01	-10.93
	64-QAM	1882.5	-1.10	1 / 0	21.94	20.84	0.121	33.01	-12.17
	256-QAM	1860.0	-1.10	100 / 0	19.25	18.15	0.065	33.01	-14.86

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

FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170041-08-R1.BCG	Test Dates: 5/9/2025 - 7/31/2025	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	-1.10	1 / 0	23.80	22.70	0.186	33.01	-10.31
		1880.0	-1.10	1 / 0	23.66	22.56	0.180	33.01	-10.45
		1909.3	-1.10	1 / 0	23.78	22.68	0.185	33.01	-10.33
	16-QAM	1850.7	-1.10	1 / 0	23.27	22.17	0.165	33.01	-10.84
	64-QAM	1850.7	-1.10	1 / 0	22.01	20.91	0.123	33.01	-12.10
	256-QAM	1850.7	-1.10	6 / 0	19.36	18.26	0.067	33.01	-14.75
3 MHz	QPSK	1851.5	-1.10	1 / 0	23.76	22.66	0.185	33.01	-10.35
		1880.0	-1.10	1 / 0	23.62	22.52	0.179	33.01	-10.49
		1908.5	-1.10	1 / 0	23.67	22.57	0.181	33.01	-10.44
	16-QAM	1851.5	-1.10	1 / 0	23.20	22.10	0.162	33.01	-10.91
	64-QAM	1880.0	-1.10	1 / 0	22.01	20.91	0.123	33.01	-12.10
	256-QAM	1851.5	-1.10	15 / 0	19.32	18.22	0.066	33.01	-14.79
5 MHz	QPSK	1852.5	-1.10	1 / 12	23.94	22.84	0.192	33.01	-10.17
		1880.0	-1.10	1 / 12	23.79	22.69	0.186	33.01	-10.32
		1907.5	-1.10	1 / 24	23.57	22.47	0.177	33.01	-10.54
	16-QAM	1852.5	-1.10	1 / 12	23.36	22.26	0.168	33.01	-10.75
	64-QAM	1852.5	-1.10	1 / 24	22.12	21.02	0.127	33.01	-11.99
	256-QAM	1852.5	-1.10	25 / 0	19.40	18.30	0.068	33.01	-14.71
10 MHz	QPSK	1855.0	-1.10	1 / 25	23.80	22.70	0.186	33.01	-10.31
		1880.0	-1.10	1 / 0	23.73	22.63	0.183	33.01	-10.38
		1905.0	-1.10	1 / 49	23.67	22.57	0.181	33.01	-10.44
	16-QAM	1855.0	-1.10	1 / 49	23.19	22.09	0.162	33.01	-10.92
	64-QAM	1855.0	-1.10	1 / 49	22.23	21.13	0.130	33.01	-11.88
	256-QAM	1855.0	-1.10	50 / 0	19.39	18.29	0.067	33.01	-14.72
15 MHz	QPSK	1857.5	-1.10	1 / 0	23.93	22.83	0.192	33.01	-10.18
		1880.0	-1.10	1 / 0	23.66	22.56	0.180	33.01	-10.45
		1902.5	-1.10	1 / 0	23.59	22.49	0.178	33.01	-10.52
	16-QAM	1857.5	-1.10	1 / 37	23.05	21.95	0.157	33.01	-11.06
	64-QAM	1857.5	-1.10	1 / 74	21.98	20.88	0.123	33.01	-12.13
	256-QAM	1857.5	-1.10	75 / 0	19.30	18.20	0.066	33.01	-14.81
20 MHz	QPSK	1860.0	-1.10	1 / 0	23.83	22.73	0.188	33.01	-10.28
		1880.0	-1.10	1 / 0	23.63	22.53	0.179	33.01	-10.48
		1900.0	-1.10	1 / 0	23.66	22.56	0.180	33.01	-10.45
	16-QAM	1860.0	-1.10	1 / 0	23.07	21.97	0.157	33.01	-11.04
	64-QAM	1860.0	-1.10	1 / 0	21.95	20.85	0.122	33.01	-12.16
	256-QAM	1860.0	-1.10	100 / 0	19.30	18.20	0.066	33.01	-14.81

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

FCC ID: BCGA3361		PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-08-R1.BCG	Test Dates: 5/9/2025 - 7/31/2025	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	-1.10	25 / 0	23.73	22.63	0.183	33.01	-10.38
		1882.5	-1.10	25 / 0	23.74	22.64	0.184	33.01	-10.37
		1912.5	-1.10	25 / 0	23.73	22.63	0.183	33.01	-10.38
	QPSK	1852.5	-1.10	1 / 1	23.70	22.60	0.182	33.01	-10.41
		1882.5	-1.10	1 / 1	23.71	22.61	0.182	33.01	-10.40
		1912.5	-1.10	1 / 1	23.66	22.56	0.180	33.01	-10.45
	16-QAM	1852.5	-1.10	1 / 1	22.56	21.46	0.140	33.01	-11.55
	64-QAM	1882.5	-1.10	25 / 0	21.78	20.68	0.117	33.01	-12.33
10 MHz	$\pi/2$ BPSK	1852.5	-1.10	25 / 0	19.84	18.74	0.075	33.01	-14.27
		1882.5	-1.10	50 / 0	23.85	22.75	0.188	33.01	-10.26
		1910.0	-1.10	50 / 0	23.79	22.69	0.186	33.01	-10.32
	QPSK	1855.0	-1.10	1 / 25	23.84	22.74	0.188	33.01	-10.27
		1882.5	-1.10	1 / 50	23.86	22.76	0.189	33.01	-10.25
		1910.0	-1.10	1 / 1	23.85	22.75	0.189	33.01	-10.26
	16-QAM	1882.5	-1.10	1 / 50	22.69	21.59	0.144	33.01	-11.42
	64-QAM	1855.0	-1.10	50 / 0	21.92	20.82	0.121	33.01	-12.19
15 MHz	$\pi/2$ BPSK	1855.0	-1.10	50 / 0	19.95	18.85	0.077	33.01	-14.16
		1882.5	-1.10	75 / 0	23.73	22.63	0.183	33.01	-10.38
		1907.5	-1.10	75 / 0	23.66	22.56	0.180	33.01	-10.45
	QPSK	1857.5	-1.10	1 / 1	23.70	22.60	0.182	33.01	-10.41
		1882.5	-1.10	1 / 1	23.62	22.52	0.179	33.01	-10.49
		1907.5	-1.10	1 / 1	23.62	22.52	0.178	33.01	-10.49
	16-QAM	1857.5	-1.10	1 / 36	22.56	21.46	0.140	33.01	-11.55
	64-QAM	1857.5	-1.10	75 / 0	21.80	20.70	0.117	33.01	-12.31
20 MHz	$\pi/2$ BPSK	1857.5	-1.10	75 / 0	19.78	18.68	0.074	33.01	-14.33
		1882.5	-1.10	100 / 0	23.70	22.60	0.182	33.01	-10.41
		1905.0	-1.10	100 / 0	23.71	22.61	0.182	33.01	-10.40
	QPSK	1860.0	-1.10	1 / 104	23.69	22.59	0.182	33.01	-10.42
		1882.5	-1.10	1 / 1	23.82	22.72	0.187	33.01	-10.29
		1905.0	-1.10	1 / 1	23.79	22.69	0.186	33.01	-10.32
	16-QAM	1905.0	-1.10	1 / 1	22.55	21.45	0.140	33.01	-11.56
	64-QAM	1860.0	-1.10	100 / 0	21.75	20.65	0.116	33.01	-12.36
25 MHz	$\pi/2$ BPSK	1860.0	-1.10	100 / 0	19.73	18.63	0.073	33.01	-14.38
		1862.5	-1.10	128 / 0	23.69	22.59	0.181	33.01	-10.42
		1882.5	-1.10	128 / 0	23.75	22.65	0.184	33.01	-10.36
	QPSK	1902.5	-1.10	128 / 0	23.68	22.58	0.181	33.01	-10.43
		1862.5	-1.10	1 / 64	23.64	22.54	0.179	33.01	-10.47
		1882.5	-1.10	1 / 64	23.71	22.61	0.182	33.01	-10.40
	16-QAM	1902.5	-1.10	1 / 1	23.62	22.52	0.179	33.01	-10.49
	64-QAM	1882.5	-1.10	1 / 64	22.49	21.39	0.138	33.01	-11.62
30 MHz	$\pi/2$ BPSK	1882.5	-1.10	128 / 0	21.82	20.72	0.118	33.01	-12.29
		1862.5	-1.10	128 / 0	19.83	18.73	0.075	33.01	-14.28
		1865.0	-1.10	160 / 0	23.70	22.60	0.182	33.01	-10.41
	QPSK	1882.5	-1.10	160 / 0	23.75	22.65	0.184	33.01	-10.37
		1900.0	-1.10	160 / 0	23.73	22.63	0.183	33.01	-10.38
		1865.0	-1.10	1 / 80	23.70	22.60	0.182	33.01	-10.41
	16-QAM	1882.5	-1.10	1 / 158	23.77	22.67	0.185	33.01	-10.34
	64-QAM	1900.0	-1.10	1 / 1	23.82	22.72	0.187	33.01	-10.29
35 MHz	$\pi/2$ BPSK	1882.5	-1.10	1 / 1	22.60	21.50	0.141	33.01	-11.51
		1862.5	-1.10	160 / 0	21.76	20.66	0.116	33.01	-12.35
		1882.5	-1.10	160 / 0	19.69	18.59	0.072	33.01	-14.42
	QPSK	1867.5	-1.10	1 / 93	23.67	22.57	0.181	33.01	-10.44
		1882.5	-1.10	1 / 93	23.77	22.67	0.185	33.01	-10.34
		1897.5	-1.10	180 / 0	23.69	22.59	0.182	33.01	-10.42
	16-QAM	1867.5	-1.10	1 / 1	23.74	22.64	0.184	33.01	-10.37
	64-QAM	1882.5	-1.10	1 / 1	23.57	22.47	0.177	33.01	-10.54
40 MHz	$\pi/2$ BPSK	1897.5	-1.10	1 / 1	23.63	22.53	0.179	33.01	-10.48
		1897.5	-1.10	1 / 1	22.53	21.43	0.139	33.01	-11.58
		1897.5	-1.10	180 / 0	22.02	20.92	0.124	33.01	-12.09
	QPSK	1897.5	-1.10	180 / 0	19.77	18.67	0.074	33.01	-14.34
		1870.0	-1.10	216 / 0	23.68	22.58	0.181	33.01	-10.43
		1882.5	-1.10	216 / 0	23.67	22.57	0.181	33.01	-10.44
	16-QAM	1895.0	-1.10	216 / 0	23.72	22.62	0.183	33.01	-10.39
		1870.0	-1.10	1 / 1	23.60	22.50	0.178	33.01	-10.51
40 MHz	QPSK	1882.5	-1.10	1 / 214	23.55	22.45	0.176	33.01	-10.56
		1895.0	-1.10	1 / 1	23.62	22.52	0.179	33.01	-10.49
		1870.0	-1.10	1 / 108	22.51	21.41	0.139	33.01	-11.60
	64-QAM	1895.0	-1.10	216 / 0	21.80	20.70	0.117	33.01	-12.31
40 MHz	256-QAM	1895.0	-1.10	216 / 0	19.99	18.89	0.078	33.01	-14.12

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

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NR Band n2

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1852.5	-1.10	25 / 0	23.61	22.51	0.178	33.01	-10.50
		1880.0	-1.10	25 / 0	23.60	22.50	0.178	33.01	-10.51
		1907.5	-1.10	25 / 0	23.60	22.50	0.178	33.01	-10.51
	QPSK	1852.5	-1.10	1 / 1	23.71	22.61	0.182	33.01	-10.40
		1880.0	-1.10	1 / 1	23.58	22.48	0.177	33.01	-10.53
		1907.5	-1.10	1 / 23	23.66	22.56	0.180	33.01	-10.45
	16-QAM	1880.0	-1.10	1 / 12	22.32	21.22	0.132	33.01	-11.79
	64-QAM	1907.5	-1.10	25 / 0	21.55	20.45	0.111	33.01	-12.57
10 MHz	π/2 BPSK	1880.0	-1.10	25 / 0	19.61	18.51	0.071	33.01	-14.50
		1855.0	-1.10	50 / 0	23.69	22.59	0.181	33.01	-10.42
		1880.0	-1.10	50 / 0	23.65	22.55	0.180	33.01	-10.46
	QPSK	1905.0	-1.10	1 / 1	23.61	22.51	0.178	33.01	-10.50
		1855.0	-1.10	1 / 25	23.71	22.61	0.182	33.01	-10.40
		1880.0	-1.10	1 / 1	23.85	22.75	0.189	33.01	-10.26
	16-QAM	1905.0	-1.10	1 / 1	23.66	22.56	0.180	33.01	-10.45
		1855.0	-1.10	1 / 50	22.51	21.41	0.138	33.01	-11.60
15 MHz	π/2 BPSK	1855.0	-1.10	50 / 0	21.69	20.59	0.115	33.01	-12.42
		1880.0	-1.10	50 / 0	19.74	18.64	0.073	33.01	-14.37
		1855.0	-1.10	50 / 0	19.74	18.64	0.073	33.01	-14.37
	QPSK	1857.5	-1.10	75 / 0	23.70	22.60	0.182	33.01	-10.41
		1880.0	-1.10	75 / 0	23.67	22.57	0.181	33.01	-10.44
		1902.5	-1.10	75 / 0	23.68	22.58	0.181	33.01	-10.43
	16-QAM	1857.5	-1.10	1 / 36	23.69	22.59	0.182	33.01	-10.42
		1880.0	-1.10	1 / 1	23.73	22.63	0.183	33.01	-10.38
20 MHz	π/2 BPSK	1902.5	-1.10	1 / 1	23.66	22.56	0.180	33.01	-10.45
		1857.5	-1.10	1 / 36	22.35	21.25	0.133	33.01	-11.76
		1880.0	-1.10	75 / 0	21.61	20.51	0.112	33.01	-12.50
	QPSK	1857.5	-1.10	75 / 0	19.68	18.58	0.072	33.01	-14.43
		1880.0	-1.10	1 / 104	23.65	22.55	0.180	33.01	-10.46
		1880.0	-1.10	100 / 0	23.64	22.54	0.179	33.01	-10.47
	16-QAM	1900.0	-1.10	100 / 0	23.60	22.50	0.178	33.01	-10.51
		1860.0	-1.10	1 / 104	23.66	22.56	0.180	33.01	-10.45
25 MHz	π/2 BPSK	1880.0	-1.10	1 / 1	23.64	22.54	0.179	33.01	-10.47
		1900.0	-1.10	1 / 1	23.61	22.51	0.178	33.01	-10.50
		1860.0	-1.10	1 / 1	22.37	21.27	0.134	33.01	-11.74
	QPSK	1900.0	-1.10	100 / 0	21.59	20.49	0.112	33.01	-12.52
		1860.0	-1.10	1 / 1	21.59	20.49	0.112	33.01	-12.52
		1900.0	-1.10	100 / 0	19.51	18.41	0.069	33.01	-14.60
	16-QAM	1862.5	-1.10	128 / 0	23.59	22.49	0.177	33.01	-10.52
		1880.0	-1.10	128 / 0	23.69	22.59	0.182	33.01	-10.42
30 MHz	π/2 BPSK	1897.5	-1.10	128 / 0	23.58	22.48	0.177	33.01	-10.53
		1862.5	-1.10	1 / 131	23.78	22.68	0.185	33.01	-10.33
		1880.0	-1.10	1 / 64	23.69	22.59	0.182	33.01	-10.42
	QPSK	1897.5	-1.10	1 / 64	23.70	22.60	0.182	33.01	-10.41
		1862.5	-1.10	1 / 64	22.37	21.27	0.134	33.01	-11.74
		1880.0	-1.10	128 / 0	21.75	20.65	0.116	33.01	-12.36
	16-QAM	1897.5	-1.10	128 / 0	19.65	18.55	0.072	33.01	-14.46
		1865.0	-1.10	160 / 0	23.60	22.50	0.178	33.01	-10.51
35 MHz	π/2 BPSK	1880.0	-1.10	160 / 0	23.67	22.57	0.181	33.01	-10.44
		1895.0	-1.10	160 / 0	23.70	22.60	0.182	33.01	-10.41
		1865.0	-1.10	1 / 158	23.61	22.51	0.178	33.01	-10.50
	QPSK	1880.0	-1.10	1 / 158	23.65	22.55	0.180	33.01	-10.46
		1895.0	-1.10	1 / 1	23.56	22.46	0.176	33.01	-10.55
		1860.0	-1.10	1 / 158	22.29	21.19	0.132	33.01	-11.82
	16-QAM	1895.0	-1.10	160 / 0	21.54	20.44	0.111	33.01	-12.57
		1865.0	-1.10	160 / 0	19.61	18.51	0.071	33.01	-14.50
40 MHz	π/2 BPSK	1867.5	-1.10	180 / 0	23.53	22.43	0.175	33.01	-10.58
		1880.0	-1.10	180 / 0	23.60	22.50	0.178	33.01	-10.52
		1892.5	-1.10	180 / 0	23.53	22.43	0.175	33.01	-10.58
	QPSK	1867.5	-1.10	1 / 1	23.54	22.44	0.175	33.01	-10.57
		1880.0	-1.10	1 / 1	23.54	22.44	0.175	33.01	-10.57
		1892.5	-1.10	1 / 1	23.53	22.43	0.175	33.01	-10.58
	16-QAM	1867.5	-1.10	1 / 1	22.36	21.26	0.134	33.01	-11.75
		1880.0	-1.10	1 / 186	23.60	22.50	0.178	33.01	-10.52
40 MHz	π/2 BPSK	1880.0	-1.10	180 / 0	23.52	22.42	0.175	33.01	-10.59
		1870.0	-1.10	216 / 0	23.69	22.59	0.182	33.01	-10.42
		1880.0	-1.10	216 / 0	23.60	22.50	0.178	33.01	-10.51
	QPSK	1890.0	-1.10	216 / 0	23.62	22.52	0.179	33.01	-10.49
		1870.0	-1.10	1 / 108	23.61	22.51	0.178	33.01	-10.50
		1880.0	-1.10	1 / 1	23.65	22.55	0.180	33.01	-10.46
	16-QAM	1890.0	-1.10	1 / 1	23.63	22.53	0.179	33.01	-10.48
		1880.0	-1.10	1 / 214	22.42	21.32	0.136	33.01	-11.69
40 MHz	256-QAM	1870.0	-1.10	216 / 0	21.67	20.57	0.114	33.01	-12.44
		1890.0	-1.10	216 / 0	19.68	18.58	0.072	33.01	-14.43

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	24.04	-1.10	22.94	0.197	33.01	-10.07
1880.00	WCDMA1900	24.09	-1.10	22.99	0.199	33.01	-10.02
1907.60	WCDMA1900	24.01	-1.10	22.91	0.195	33.01	-10.10

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.

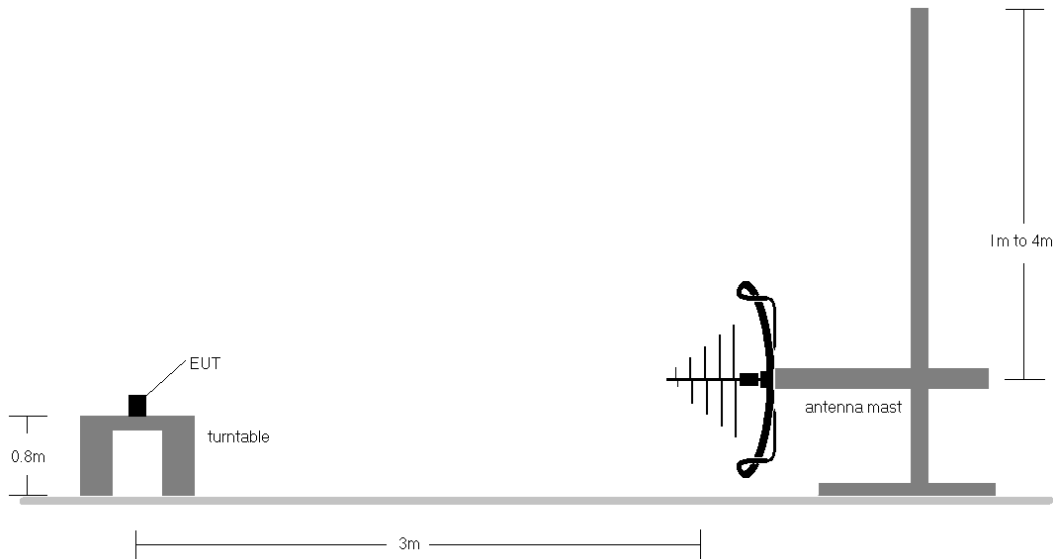


Figure 7-11. Test Instrument & Measurement Setup < 1GHz

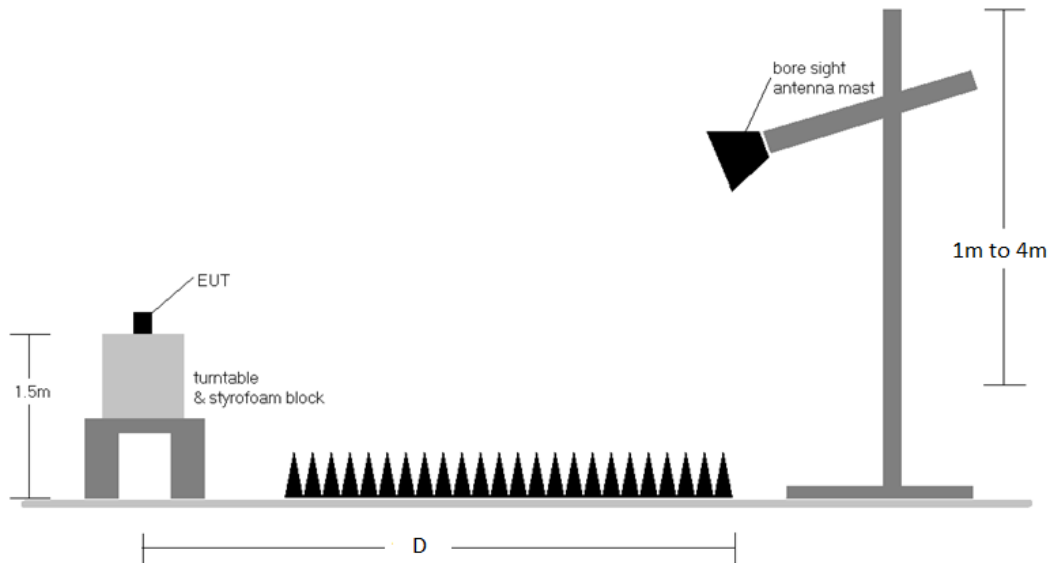


Figure 7-12. Test Instrument & Measurement Setup >1 GHz

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Test Notes

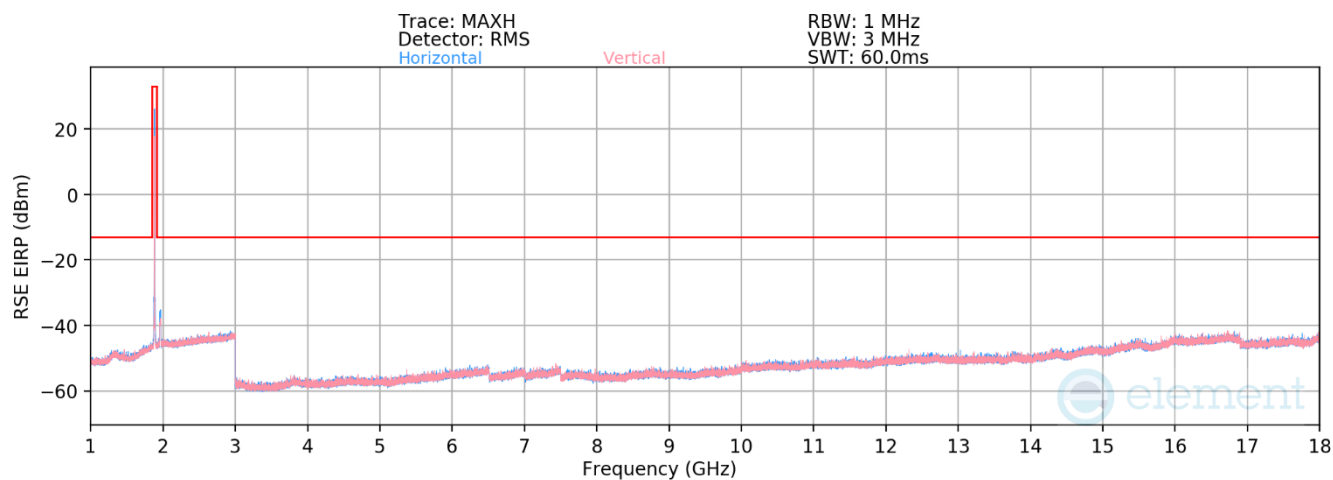
1. Field strengths are calculated using the Measurement quantity conversions in KDB 971168 Section 5.8.4.
 - a. $E(\text{dB}\mu\text{V}/\text{m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b. $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V}/\text{m}) + 20\log D - 104.8$; 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. 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	H	-	-	-75.97	1.30	32.33	-62.93	-13.00	-49.93
5580.0	V	-	-	-78.10	4.26	33.16	-62.09	-13.00	-49.09
7440.0	V	-	-	-77.65	5.53	34.88	-60.38	-13.00	-47.38

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	H	-	-	-76.07	1.66	32.59	-62.67	-13.00	-49.67
5647.5	H	-	-	-77.60	4.09	33.49	-61.76	-13.00	-48.76
7530.0	H	-	-	-78.41	5.72	34.32	-60.94	-13.00	-47.94

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

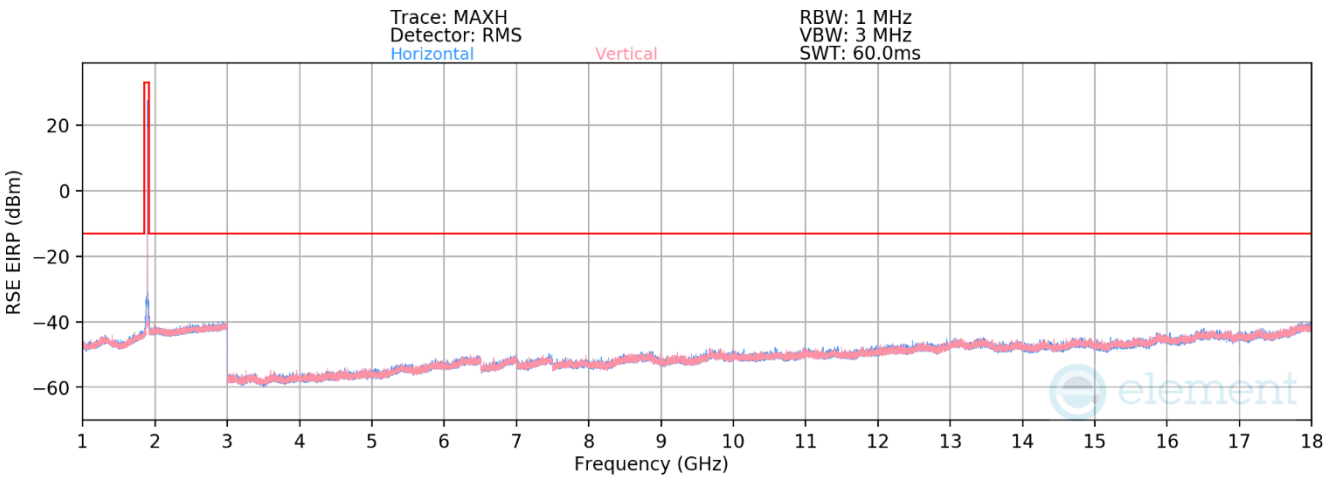
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3810.00	H	-	-	-76.56	2.10	32.55	-62.71	-13.00	-49.71
5715.00	V	-	-	-77.88	4.33	33.45	-61.81	-13.00	-48.81
7620.00	H	-	-	-78.43	5.87	34.45	-60.81	-13.00	-47.81

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	-	-	-77.84	2.97	32.12	-63.14	-13.00	-50.14
5610.0	V	-	-	-78.80	6.05	34.25	-61.01	-13.00	-48.01
7480.0	H	-	-	-80.08	9.67	36.59	-58.66	-13.00	-45.66

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	H	-	-	-77.06	2.22	32.16	-63.10	-13.00	-50.10
5647.5	H	-	-	-79.13	6.28	34.16	-61.10	-13.00	-48.10
7530.0	V	-	-	-79.85	9.09	36.24	-59.02	-13.00	-46.02

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

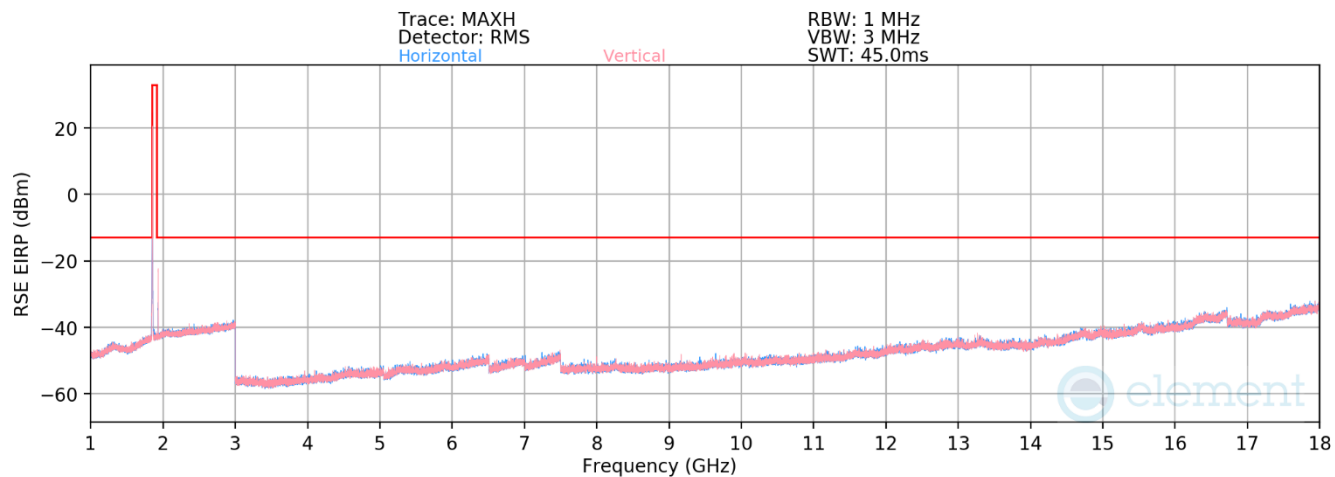
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3790.0	V	-	-	-77.27	2.31	32.05	-63.21	-13.00	-50.21
5685.0	V	-	-	-79.05	6.53	34.47	-60.78	-13.00	-47.78
7580.0	H	-	-	-79.76	9.40	36.64	-58.62	-13.00	-45.62

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

FCC ID: BCGA3361	 PART 24 MEASUREMENT REPORT	Approved by: Technical Manager
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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	V	-	-	-79.99	8.47	35.48	-59.77	-13.00	-46.77
7409.6	H	-	-	-78.87	10.60	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	-	-	-78.77	4.53	32.76	-62.49	-13.00	-49.49
5640.0	H	-	-	-79.59	7.92	35.34	-59.92	-13.00	-46.92
7520.0	V	-	-	-81.15	10.79	36.64	-58.62	-13.00	-45.62

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	H	-	-	-78.46	4.61	33.15	-62.11	-13.00	-49.11
5722.8	V	-	-	-79.07	8.31	36.24	-59.02	-13.00	-46.02
7630.4	V	-	-	-81.46	11.55	37.09	-58.17	-13.00	-45.17

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

FCC ID: BCGA3361	 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	H	-	-	-76.10	1.30	32.21	-63.05	-13.00	-50.05
5580.0	V	-	-	-78.06	4.25	33.19	-62.07	-13.00	-49.07
7440.0	V	-	-	-77.68	5.64	34.96	-60.30	-13.00	-47.30

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	-	-	-76.15	1.76	32.61	-62.65	-13.00	-49.65
5647.5	H	-	-	-77.94	4.18	33.24	-62.02	-13.00	-49.02
7530.0	H	-	-	-78.46	5.67	34.21	-61.05	-13.00	-48.05

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	-	-	-76.57	2.15	32.58	-62.67	-13.00	-49.67
5715.00	H	-	-	-77.73	4.33	33.60	-61.66	-13.00	-48.66
7620.00	H	-	-	-78.43	5.92	34.48	-60.77	-13.00	-47.77

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

FCC ID: BCGA3361		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	-	-	-77.55	2.75	32.19	-63.06	-13.00	-50.06
5610.0	H	-	-	-79.09	6.34	34.25	-61.01	-13.00	-48.01
7480.0	H	-	-	-79.94	9.67	36.73	-58.53	-13.00	-45.53

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	-	-	-76.81	2.22	32.42	-62.84	-13.00	-49.84
5647.5	H	-	-	-78.63	6.05	34.42	-60.83	-13.00	-47.83
7530.0	H	-	-	-79.63	9.19	36.56	-58.70	-13.00	-45.70

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	V	-	-	-77.02	2.31	32.30	-62.96	-13.00	-49.96
5685.0	V	-	-	-79.29	6.84	34.55	-60.71	-13.00	-47.71
7580.0	V	-	-	-79.32	9.19	36.88	-58.38	-13.00	-45.38

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

FCC ID: BCGA3361		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	-	-	-78.81	4.50	32.70	-62.56	-13.00	-49.56
5557.2	V	-	-	-79.23	7.77	35.53	-59.73	-13.00	-46.73
7409.6	H	-	-	-78.98	10.60	38.62	-56.64	-13.00	-43.64

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	H	-	-	-78.78	4.46	32.68	-62.58	-13.00	-49.58
5640.0	H	-	-	-79.69	7.86	35.18	-60.08	-13.00	-47.08
7520.0	V	-	-	-81.03	10.77	36.75	-58.51	-13.00	-45.51

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	-	-	-78.35	4.61	33.25	-62.00	-13.00	-49.00
5722.8	V	-	-	-79.56	8.31	35.75	-59.51	-13.00	-46.51
7630.4	V	-	-	-81.55	11.55	37.00	-58.26	-13.00	-45.26

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

FCC ID: BCGA3361	 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	-	-	-76.10	1.35	32.25	-63.01	-13.00	-50.01
5580.0	V	-	-	-77.94	4.25	33.31	-61.95	-13.00	-48.95
7440.0	V	-	-	-77.27	5.53	35.26	-60.00	-13.00	-47.00

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	H	-	-	-76.11	1.66	32.55	-62.70	-13.00	-49.70
5647.5	V	-	-	-77.89	4.23	33.34	-61.92	-13.00	-48.92
7530.0	V	-	-	-78.33	5.72	34.40	-60.86	-13.00	-47.86

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	V	-	-	-76.37	2.10	32.73	-62.52	-13.00	-49.52
5715.00	H	-	-	-77.63	4.33	33.70	-61.56	-13.00	-48.56
7620.00	H	-	-	-78.50	5.87	34.37	-60.88	-13.00	-47.88

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

FCC ID: BCGA3361		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	-	-	-77.78	2.97	32.19	-63.07	-13.00	-50.07
5610.0	V	-	-	-79.29	6.16	33.88	-61.38	-13.00	-48.38
7480.0	V	-	-	-79.87	9.67	36.81	-58.45	-13.00	-45.45

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	-	-	-77.23	2.40	32.17	-63.09	-13.00	-50.09
5647.5	V	-	-	-78.84	6.05	34.21	-61.05	-13.00	-48.05
7530.0	H	-	-	-79.78	9.09	36.31	-58.95	-13.00	-45.95

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	V	-	-	-77.18	2.19	32.01	-63.25	-13.00	-50.25
5685.0	V	-	-	-78.99	6.53	34.54	-60.72	-13.00	-47.72
7580.0	H	-	-	-79.78	9.29	36.51	-58.75	-13.00	-45.75

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

FCC ID: BCGA3361		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	-	-	-78.68	4.63	32.95	-62.31	-13.00	-49.31
5557.2	V	-	-	-79.91	8.47	35.56	-59.70	-13.00	-46.70
7409.6	V	-	-	-78.84	10.60	38.76	-56.50	-13.00	-43.50

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	H	-	-	-78.65	4.46	32.82	-62.44	-13.00	-49.44
5640.0	V	-	-	-79.25	7.86	35.61	-59.65	-13.00	-46.65
7520.0	V	-	-	-81.34	10.99	36.65	-58.61	-13.00	-45.61

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	H	-	-	-78.59	4.55	32.95	-62.31	-13.00	-49.31
5722.8	H	-	-	-79.48	8.40	35.92	-59.34	-13.00	-46.34
7630.4	V	-	-	-81.62	11.55	36.93	-58.33	-13.00	-45.33

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

FCC ID: BCGA3361		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	H	348	94	-74.97	1.29	33.32	-61.94	-13.00	-48.94
5580.0	H	-	-	-78.09	4.26	33.17	-62.09	-13.00	-49.09
7440.0	V	-	-	-77.53	5.50	34.97	-60.29	-13.00	-47.29
9300.0	V	-	-	-78.51	6.25	34.74	-60.51	-13.00	-47.51

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	252	57	-76.15	1.66	32.51	-62.75	-13.00	-49.75
5647.5	V	338	149	-77.19	4.23	34.03	-61.22	-13.00	-48.22
7530.0	H	-	-	-78.37	5.67	34.30	-60.96	-13.00	-47.96
9412.5	H	-	-	-78.10	6.57	35.47	-59.79	-13.00	-46.79
11295.0	H	-	-	-79.70	9.76	37.06	-58.20	-13.00	-45.20

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	H	-	-	-76.55	2.15	32.61	-62.65	-13.00	-49.65
5715.00	V	-	-	-77.84	4.33	33.49	-61.76	-13.00	-48.76
7620.00	H	-	-	-78.76	6.16	34.40	-60.86	-13.00	-47.86

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

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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	-	-	-77.75	2.97	32.22	-63.04	-13.00	-50.04
5610.0	H	-	-	-78.87	6.16	34.30	-60.96	-13.00	-47.96
7480.0	H	-	-	-79.43	9.23	36.80	-58.45	-13.00	-45.45

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	H	-	-	-77.84	2.70	31.85	-63.41	-13.00	-50.41
5647.5	V	-	-	-78.87	6.05	34.18	-61.08	-13.00	-48.08
7530.0	H	-	-	-79.57	9.09	36.52	-58.74	-13.00	-45.74

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	-	-	-76.99	2.19	32.20	-63.06	-13.00	-50.06
5685.0	V	-	-	-78.66	6.54	34.88	-60.38	-13.00	-47.38
7580.0	V	-	-	-79.86	9.40	36.54	-58.72	-13.00	-45.72

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

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WCDMA PCS

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3704.8	H	-	-	-78.90	4.50	32.60	-62.66	-13.00	-49.66
5557.2	V	-	-	-79.93	8.47	35.54	-59.72	-13.00	-46.72
7409.6	H	-	-	-78.92	10.60	38.68	-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	-	-	-78.30	4.30	32.99	-62.26	-13.00	-49.26
5640.0	H	-	-	-79.91	7.92	35.02	-60.24	-13.00	-47.24
7520.0	V	-	-	-81.02	10.99	36.97	-58.28	-13.00	-45.28

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	-	-	-78.48	4.61	33.12	-62.14	-13.00	-49.14
5722.8	H	-	-	-79.66	8.32	35.66	-59.60	-13.00	-46.60
7630.4	H	-	-	-81.76	11.55	36.80	-58.46	-13.00	-45.46

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

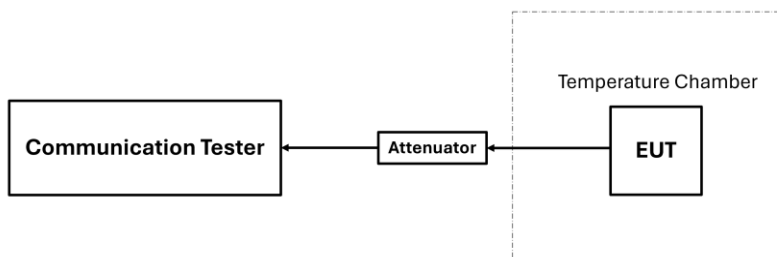


Figure 7-13. LTE Test Instrument & Measurement Setup

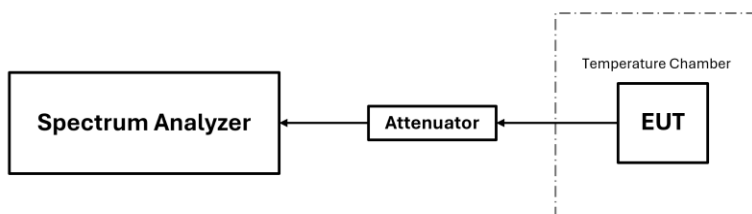


Figure 7-14. FR1 Test Instrument & Measurement Setup

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	1.85084710	-0.00084710
		- 20	1.85051474	-0.00051474
		- 10	1.85088506	-0.00088506
		0	1.85042166	-0.00042166
		+ 10	1.85082990	-0.00082990
		+ 20 (Ref)	1.85095910	-0.00095910
		+ 30	1.85008069	-0.00008069
		+ 40	1.85041832	-0.00041832
		+ 50	1.85051918	-0.00051918
Battery Endpoint	3.40	+ 20	1.85057614	-0.00057614

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	1.91440508	-0.00059492
		- 20	1.91440761	-0.00059239
		- 10	1.91490017	-0.00009983
		0	1.91489699	-0.00010301
		+ 10	1.91447862	-0.00052138
		+ 20 (Ref)	1.91460184	-0.00039816
		+ 30	1.91476570	-0.00023430
		+ 40	1.91490860	-0.00009140
		+ 50	1.91444596	-0.00055404
Battery Endpoint	3.40	+ 20	1.91420435	-0.00079565

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	1.85031596	-0.00031596
		- 20	1.85006230	-0.00006230
		- 10	1.85092334	-0.00092334
		0	1.85088590	-0.00088590
		+ 10	1.85054149	-0.00054149
		+ 20 (Ref)	1.85054092	-0.00054092
		+ 30	1.85092660	-0.00092660
		+ 40	1.85029085	-0.00029085
		+ 50	1.85087786	-0.00087786
Battery Endpoint	3.40	+ 20	1.85039387	-0.00039387

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	1.91450184	-0.00049816
		- 20	1.91457487	-0.00042513
		- 10	1.91412680	-0.00087320
		0	1.91448628	-0.00051372
		+ 10	1.91474260	-0.00025740
		+ 20 (Ref)	1.91456101	-0.00043899
		+ 30	1.91489674	-0.00010326
		+ 40	1.91441054	-0.00058946
		+ 50	1.91419331	-0.00080669
Battery Endpoint	3.40	+ 20	1.91417520	-0.00082480

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	1.85013474	-0.00013474
		- 20	1.85039553	-0.00039553
		- 10	1.85093958	-0.00093958
		0	1.85038791	-0.00038791
		+ 10	1.85083256	-0.00083256
		+ 20 (Ref)	1.85095142	-0.00095142
		+ 30	1.85010024	-0.00010024
		+ 40	1.85094249	-0.00094249
		+ 50	1.85001849	-0.00001849
Battery Endpoint	3.40	+ 20	1.85049700	-0.00049700

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	1.91459927	-0.00040073
		- 20	1.91435538	-0.00064462
		- 10	1.91446817	-0.00053183
		0	1.91461535	-0.00038465
		+ 10	1.91422423	-0.00077577
		+ 20 (Ref)	1.91457340	-0.00042660
		+ 30	1.91485840	-0.00014160
		+ 40	1.91444007	-0.00055993
		+ 50	1.91475067	-0.00024933
Battery Endpoint	3.40	+ 20	1.91449674	-0.00050326

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: BCGA3361** complies with all the requirements of Part 24 of the FCC rules.

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