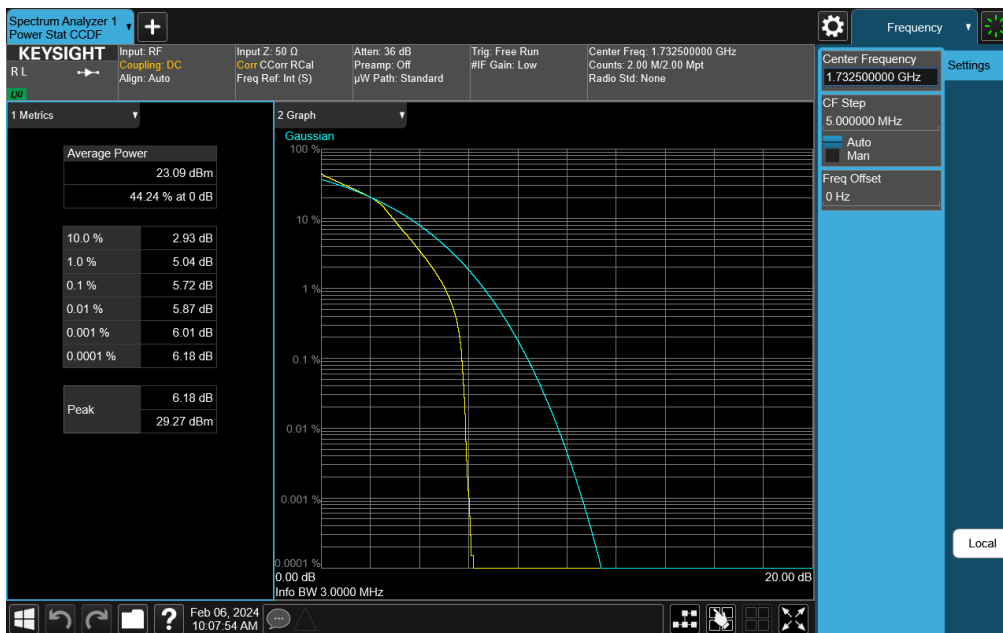
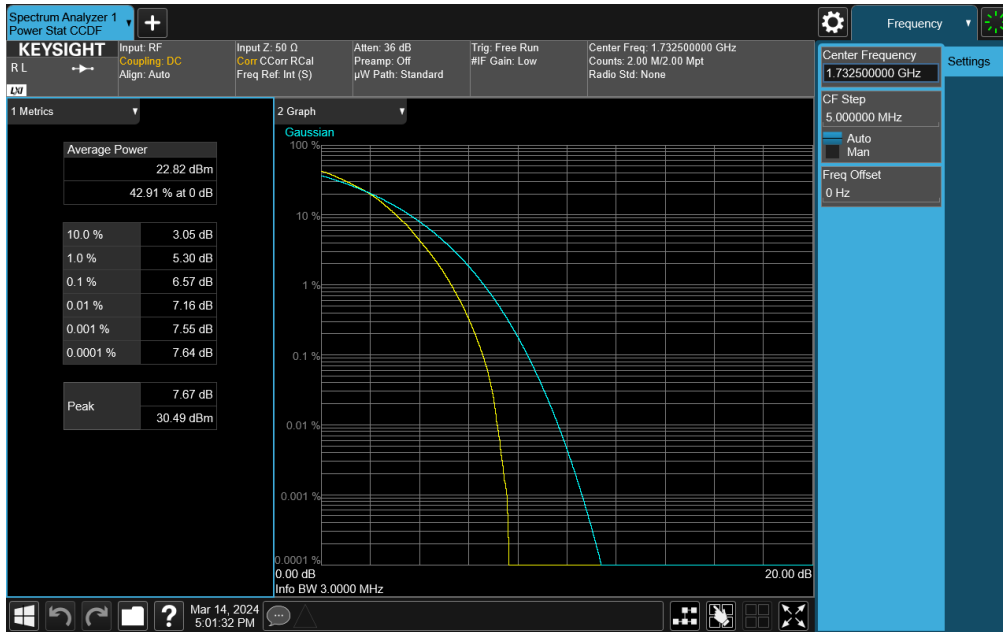


Plot 7-402. PAR Plot (LTE Band 4 - 3MHz QPSK - Full RB)

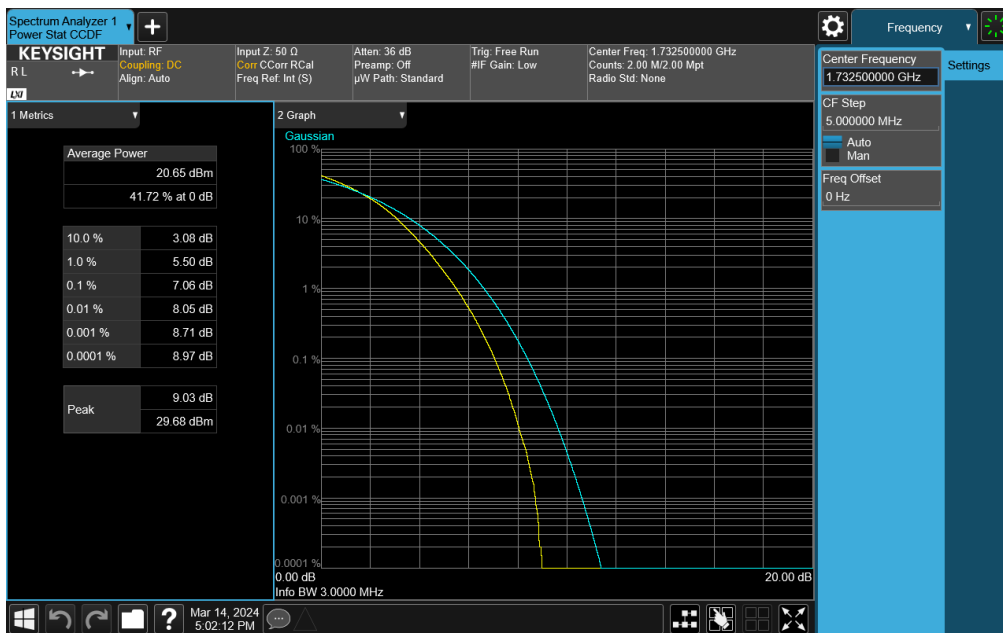


Plot 7-403. PAR Plot (LTE Band 4 - 3MHz 16-QAM - Full RB)

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 230 of 345

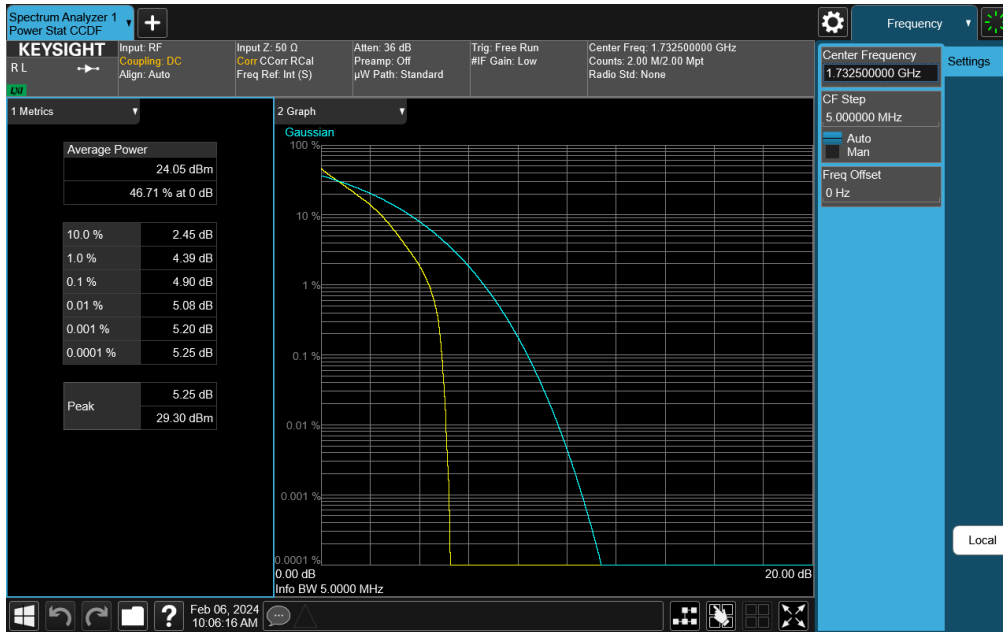


Plot 7-404. PAR Plot (LTE Band 4 - 3MHz 64-QAM - Full RB)

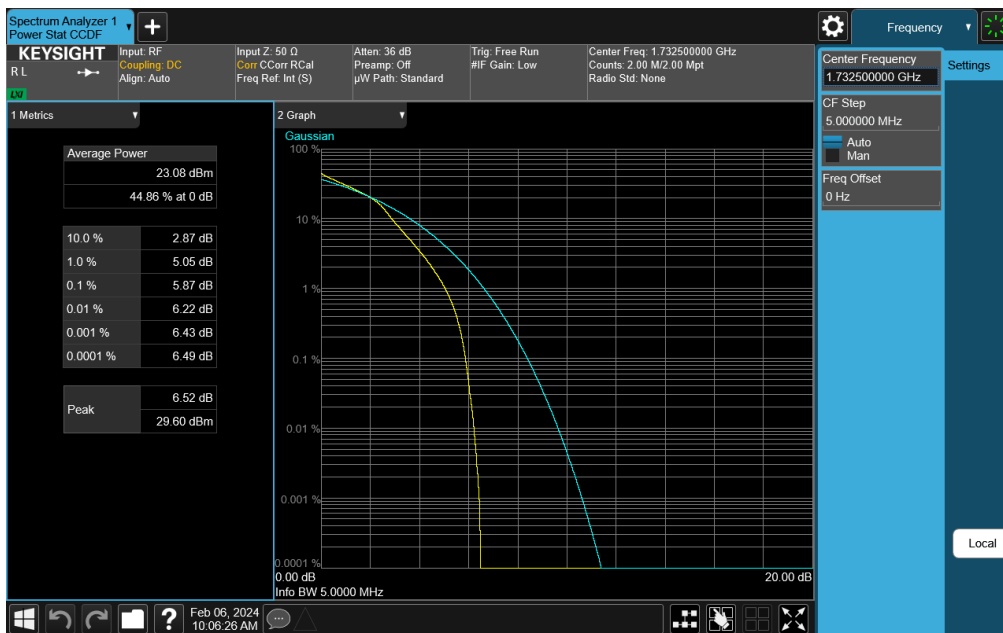


Plot 7-405. PAR Plot (LTE Band 4 - 3MHz 256-QAM - Full RB)

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 231 of 345

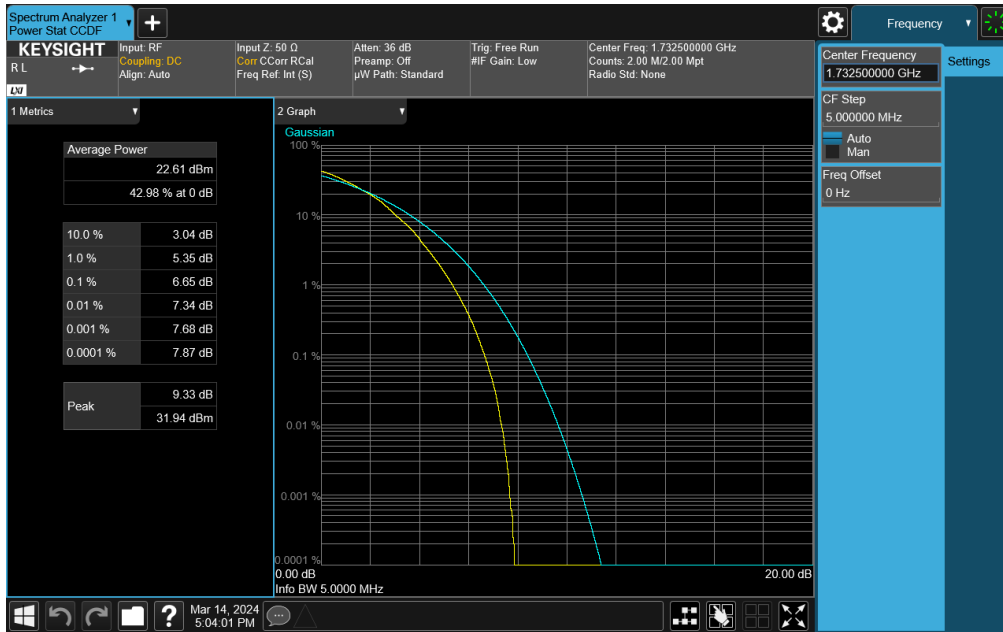


Plot 7-406. PAR Plot (LTE Band 4 - 5MHz QPSK - Full RB)

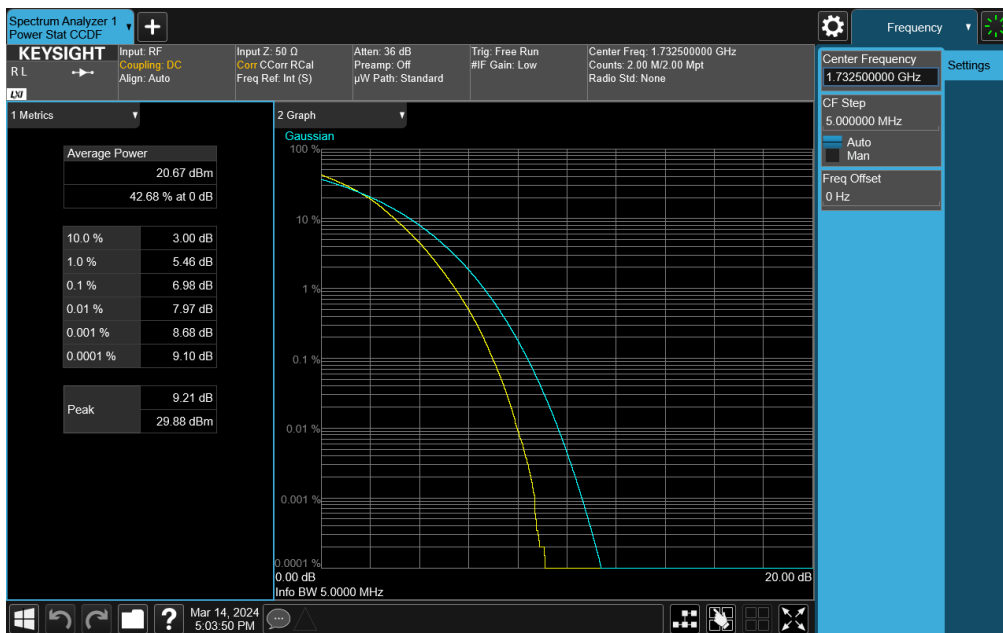


Plot 7-407. PAR Plot (LTE Band 4 - 5MHz 16-QAM - Full RB)

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 232 of 345

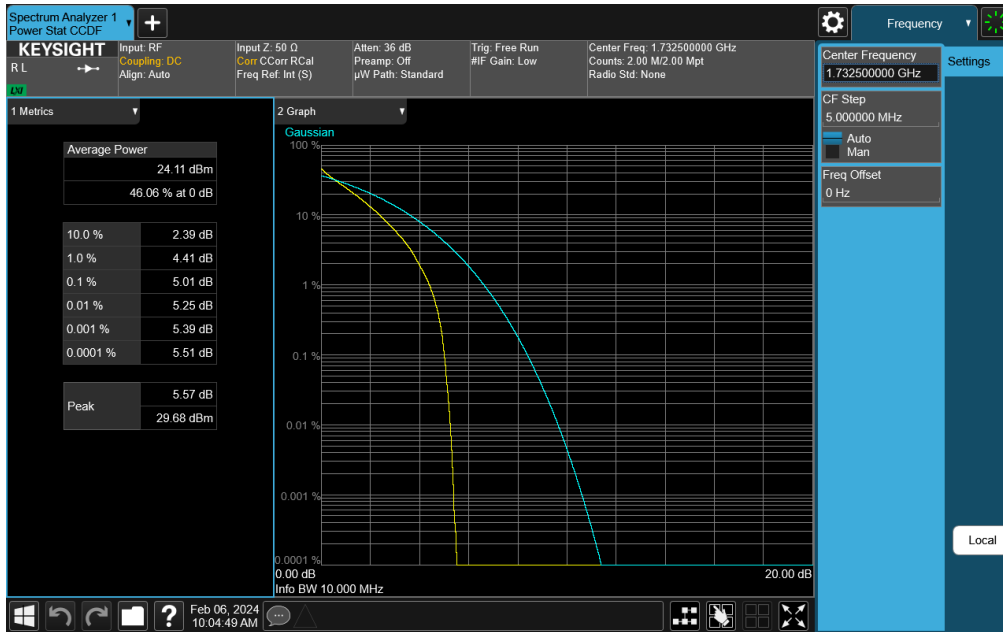


Plot 7-408. PAR Plot (LTE Band 4 - 5MHz 64-QAM - Full RB)

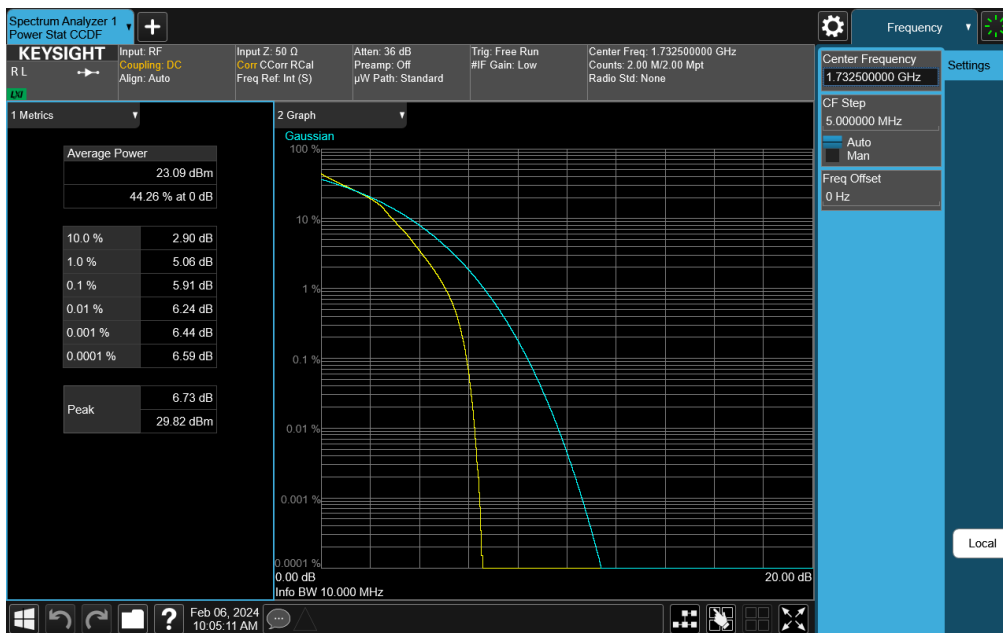


Plot 7-409. PAR Plot (LTE Band 4 - 5MHz 256-QAM - Full RB)

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 233 of 345

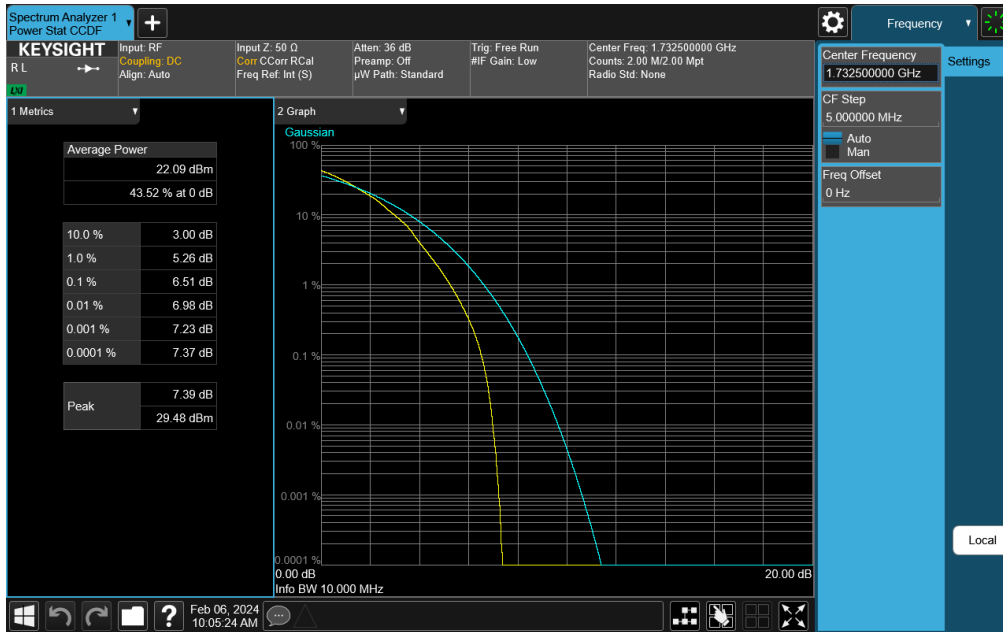


Plot 7-410. PAR Plot (LTE Band 4 - 10MHz QPSK - Full RB)

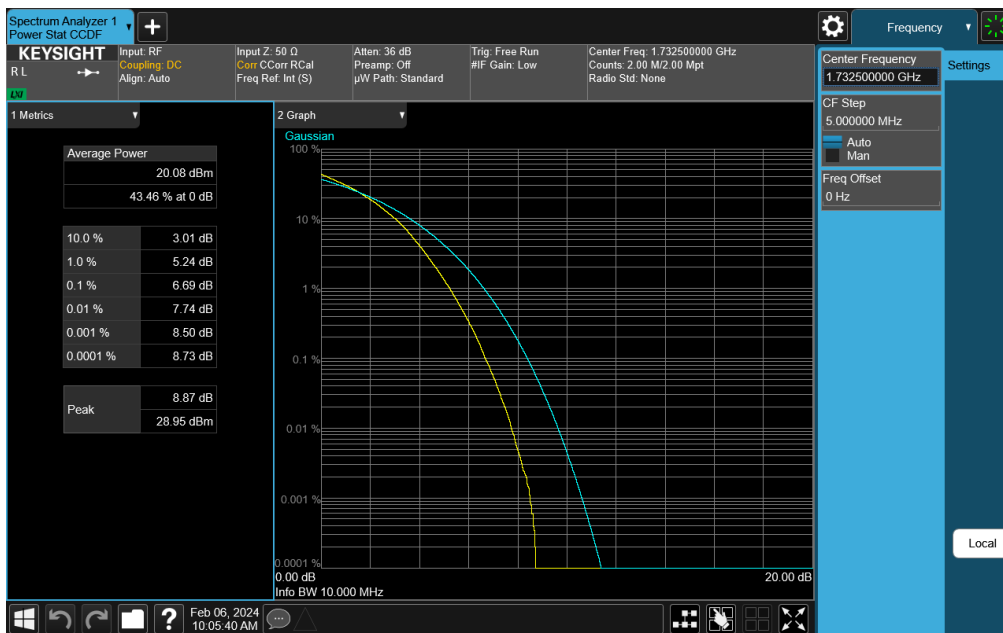


Plot 7-411. PAR Plot (LTE Band 4 - 10MHz 16-QAM - Full RB)

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 234 of 345

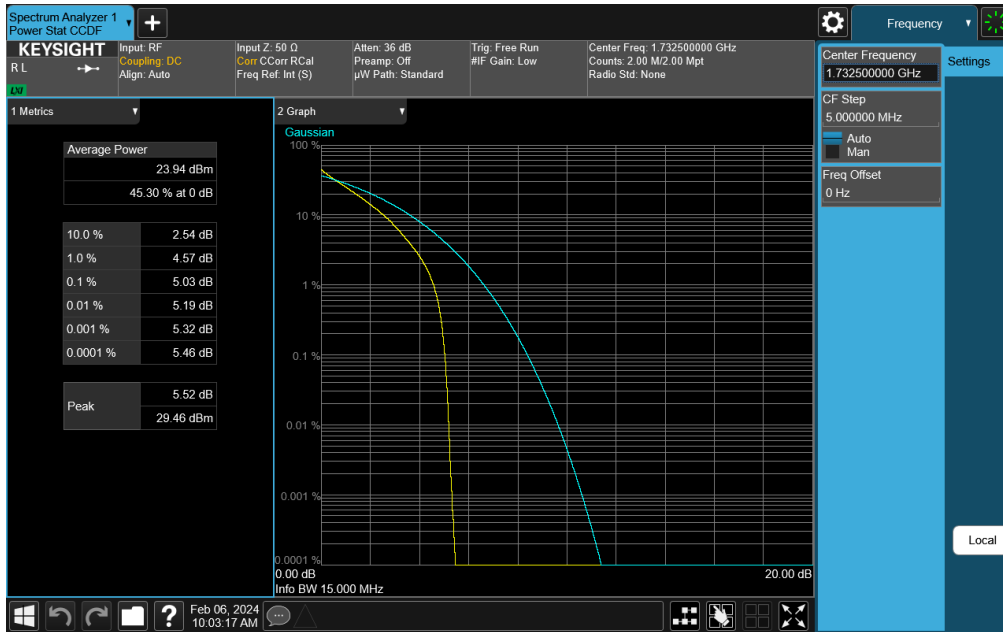


Plot 7-412. PAR Plot (LTE Band 4 - 10MHz 64-QAM - Full RB)

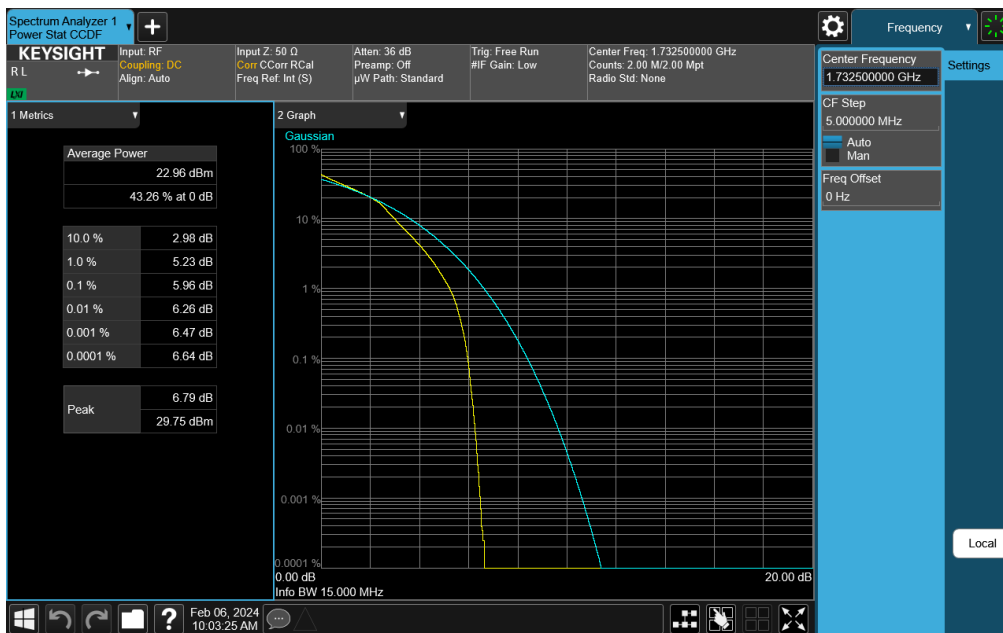


Plot 7-413. PAR Plot (LTE Band 4 - 10MHz 256-QAM - Full RB)

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 235 of 345

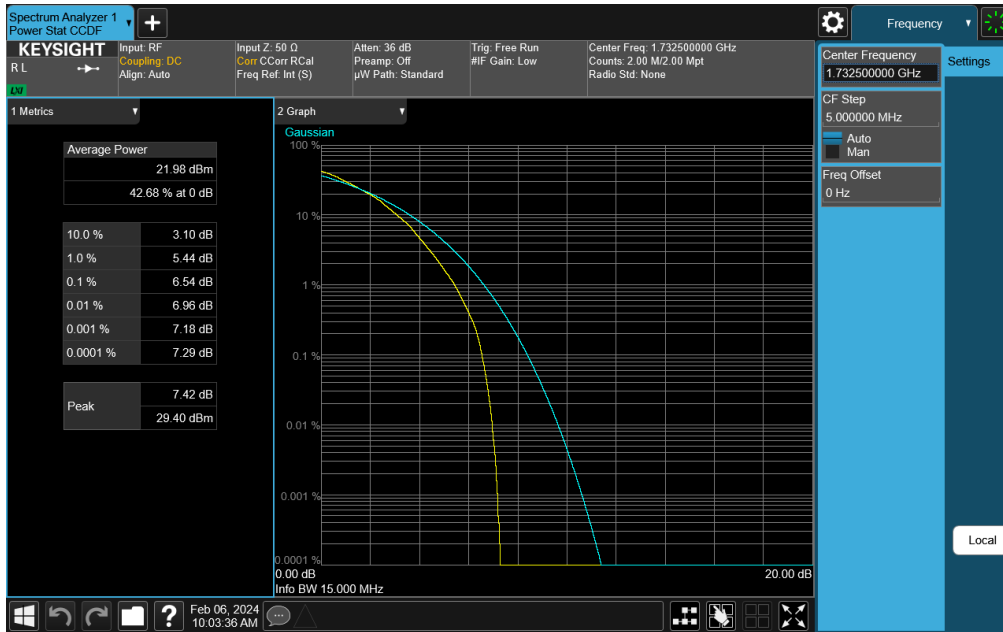


Plot 7-414. PAR Plot (LTE Band 4 - 15MHz QPSK - Full RB)

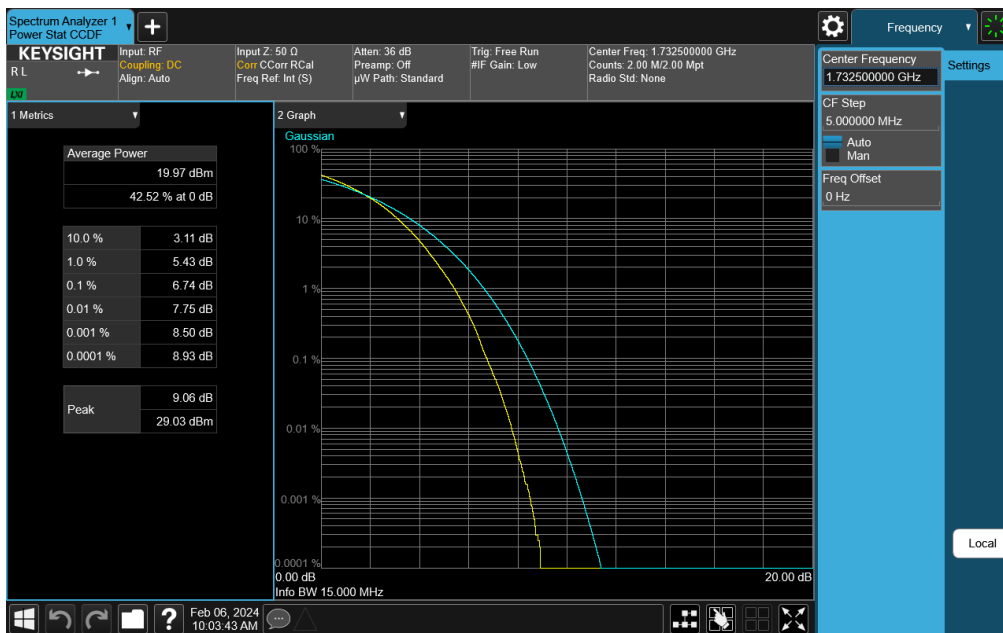


Plot 7-415. PAR Plot (LTE Band 4 - 15MHz 16-QAM - Full RB)

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 236 of 345

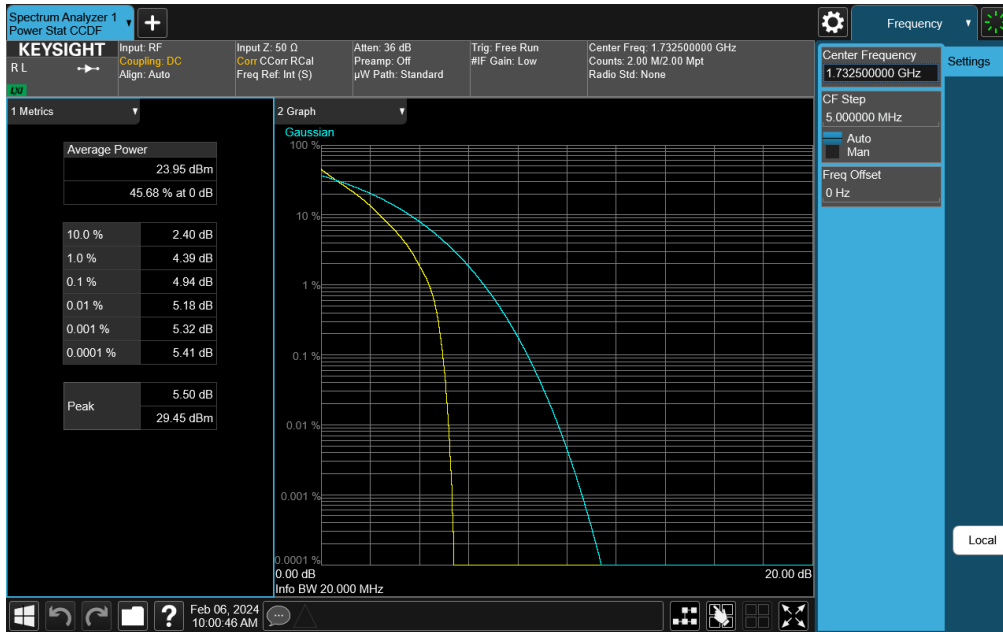


Plot 7-416. PAR Plot (LTE Band 4 - 15MHz 64-QAM - Full RB)

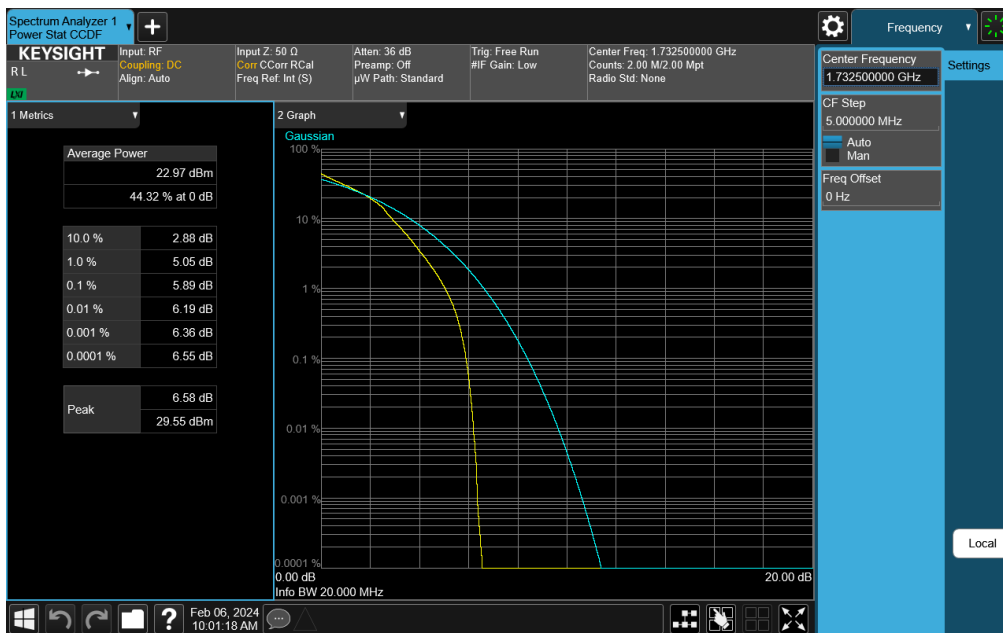


Plot 7-417. PAR Plot (LTE Band 4 - 15MHz 256-QAM - Full RB)

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 237 of 345

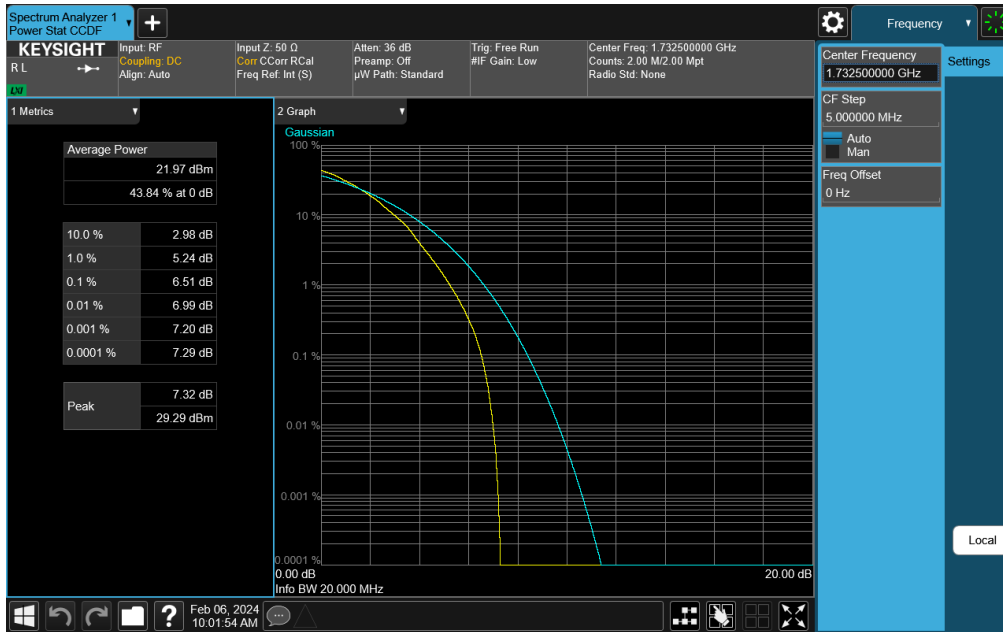


Plot 7-418. PAR Plot (LTE Band 4 - 20MHz QPSK - Full RB)

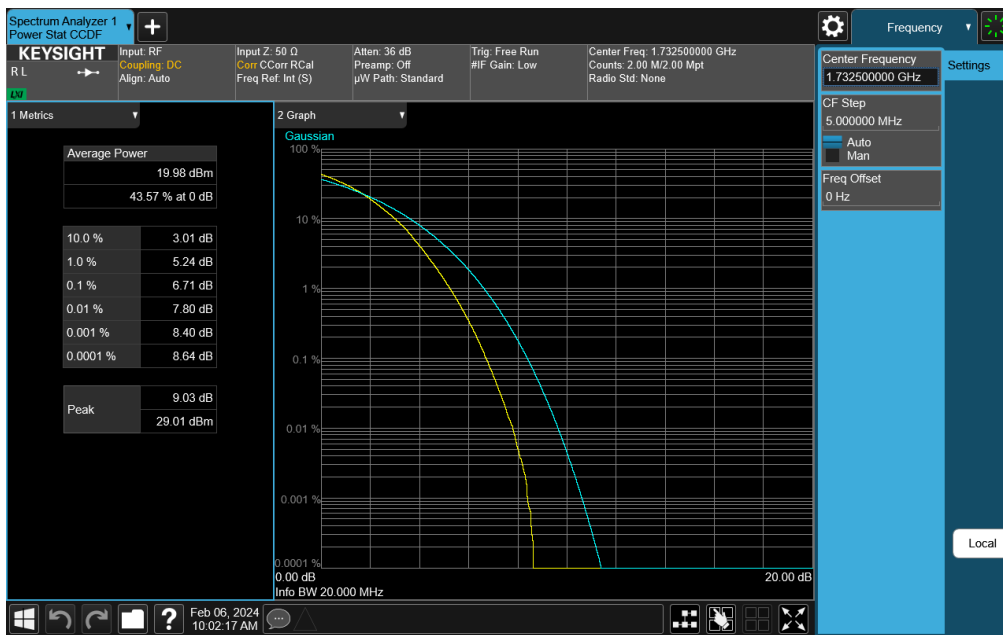


Plot 7-419. PAR Plot (LTE Band 4 - 20MHz 16-QAM - Full RB)

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 238 of 345

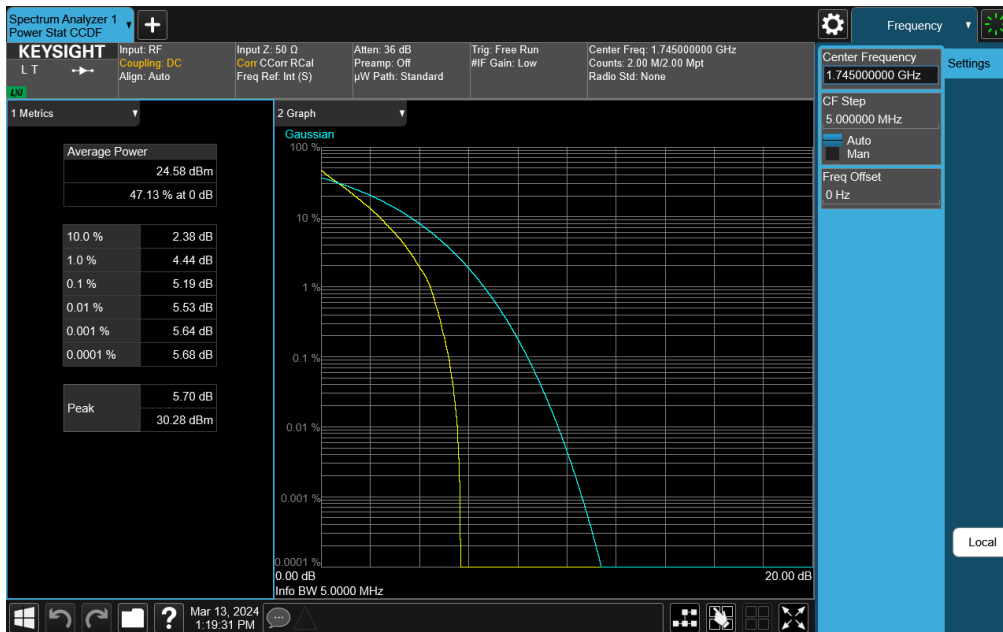
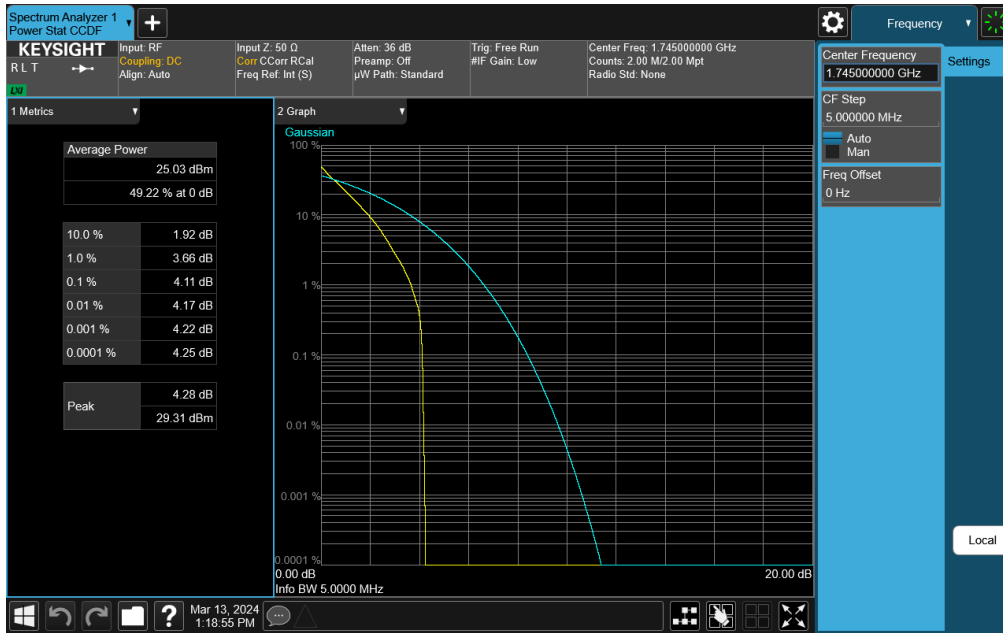


Plot 7-420. PAR Plot (LTE Band 4 - 20MHz 64-QAM - Full RB)

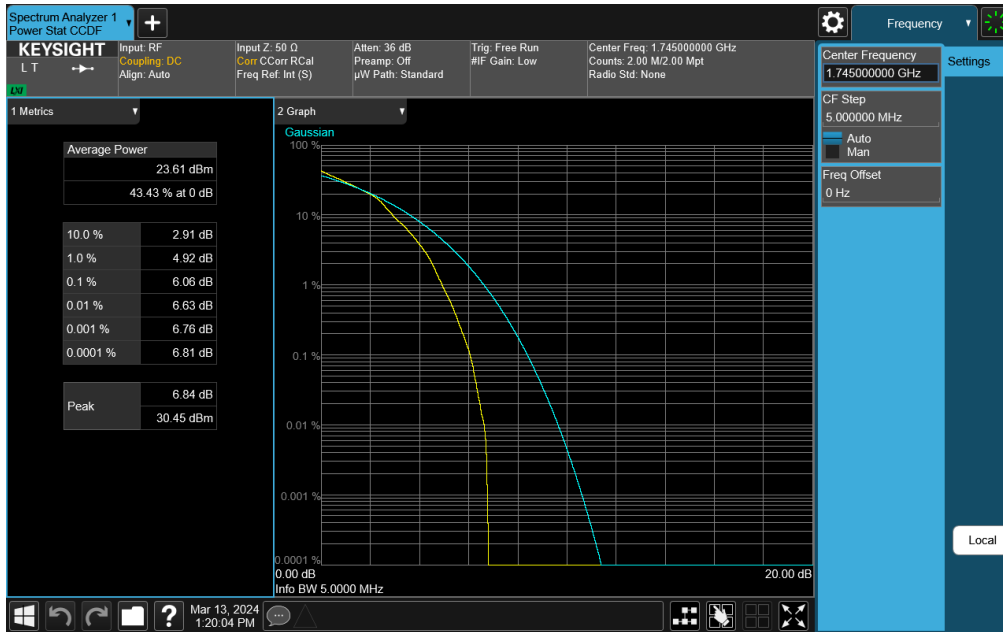


Plot 7-421. PAR Plot (LTE Band 4 - 20MHz 256-QAM - Full RB)

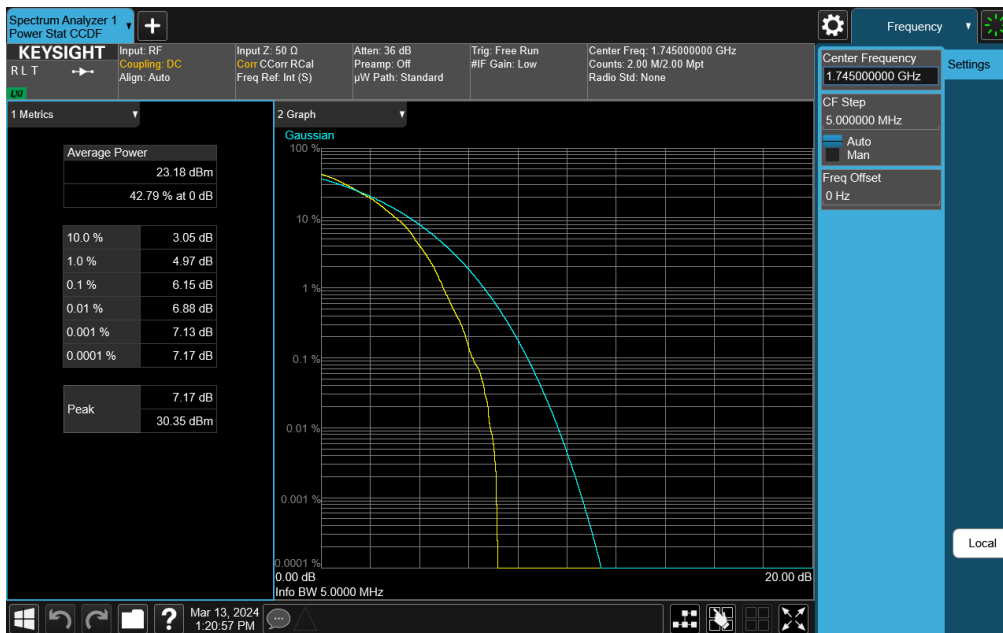
FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 239 of 345



FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
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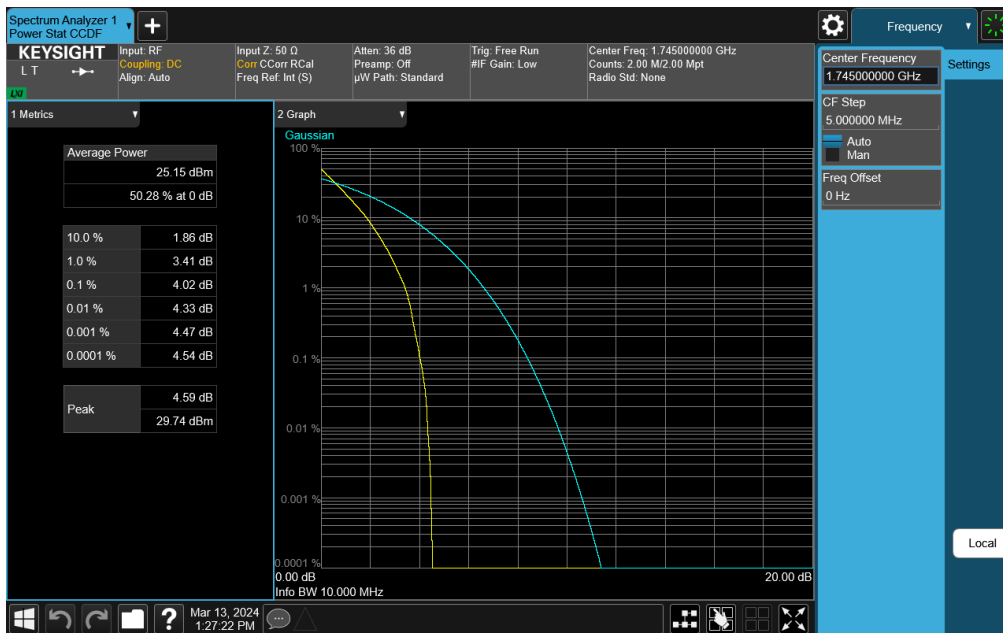
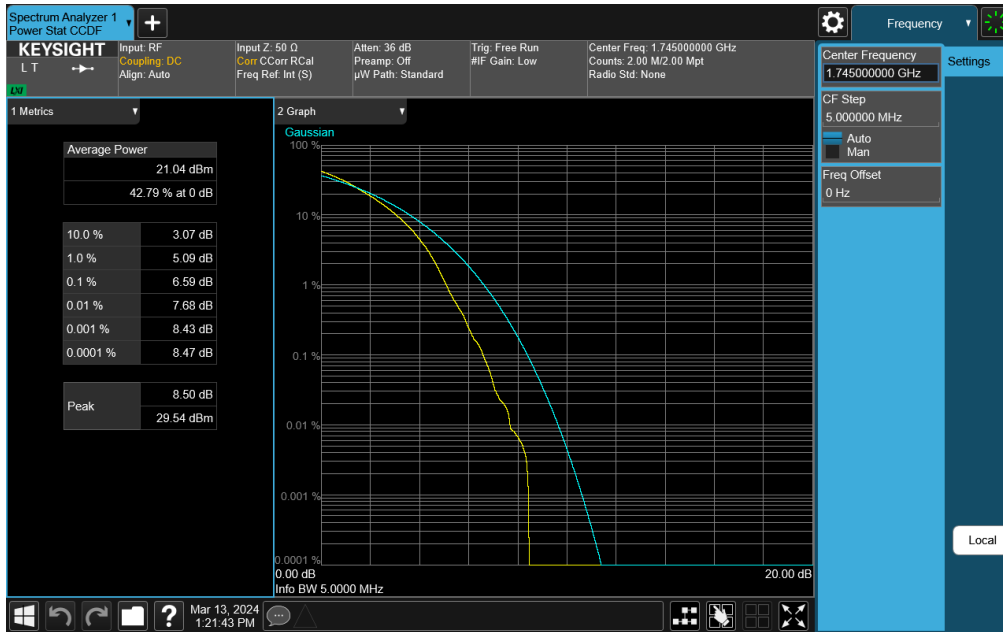


Plot 7-424. PAR Plot (NR Band n66 - 5.0MHz DFT-s-OFDM 16-QAM - Full RB)



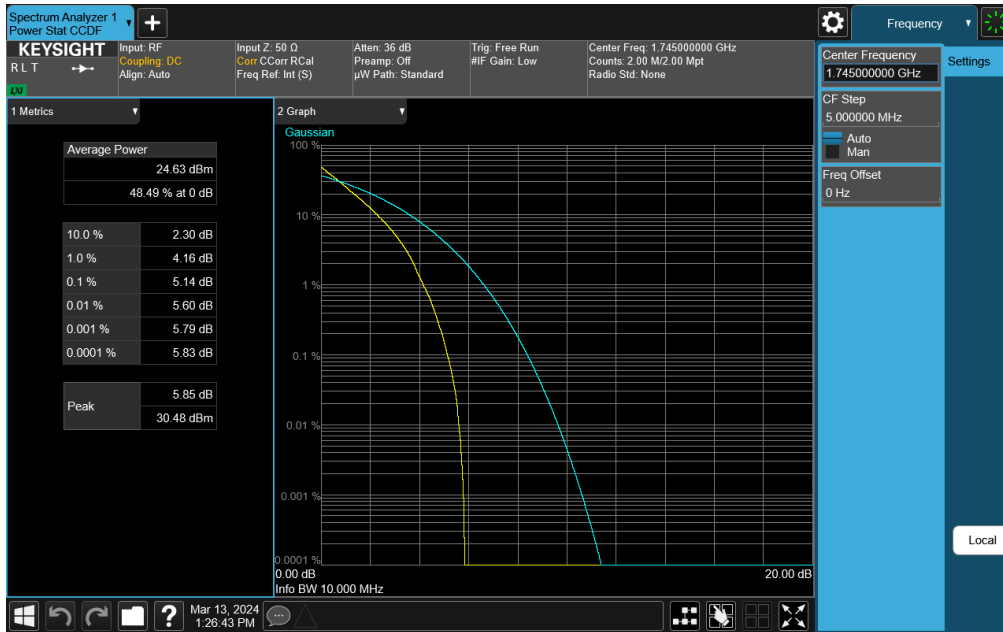
Plot 7-425. PAR Plot (NR Band n66 - 5.0MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
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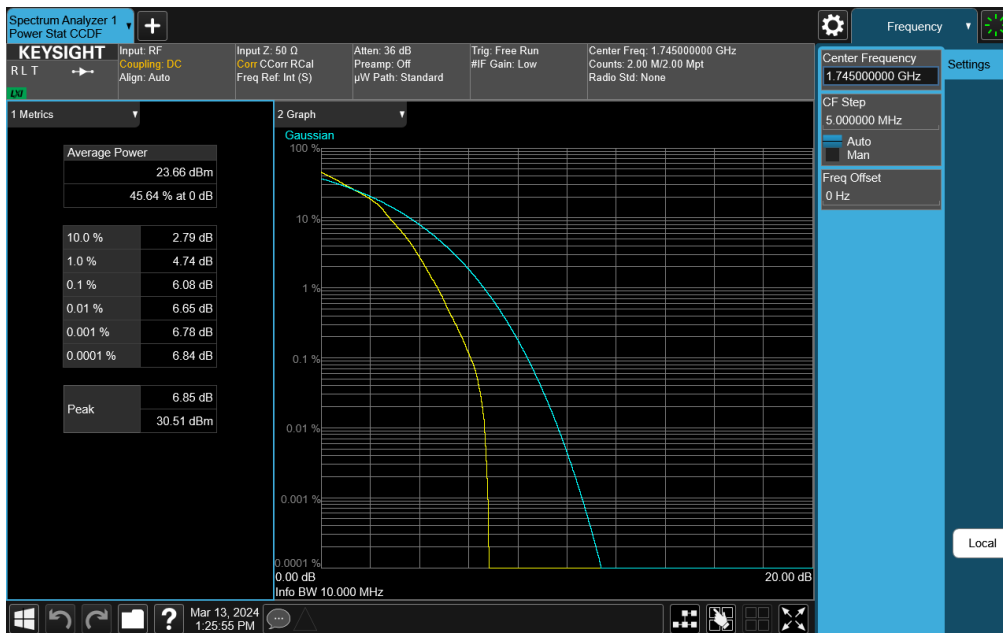


Plot 7-427. PAR Plot (NR Band n66 - 10.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
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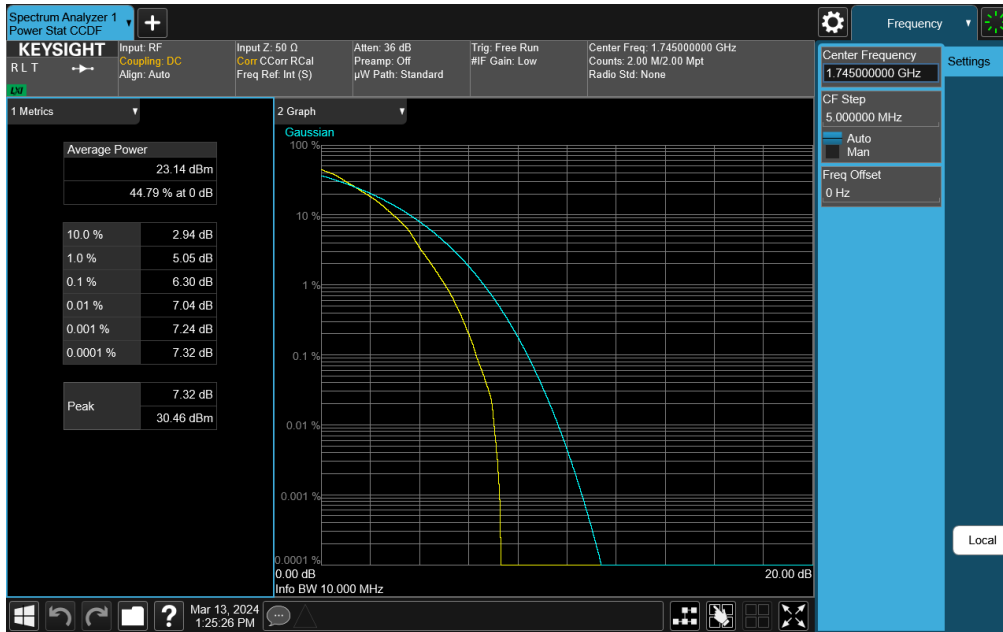


Plot 7-428. PAR Plot (NR Band n66 - 10.0MHz DFT-S-OFDM QPSK - Full RB)

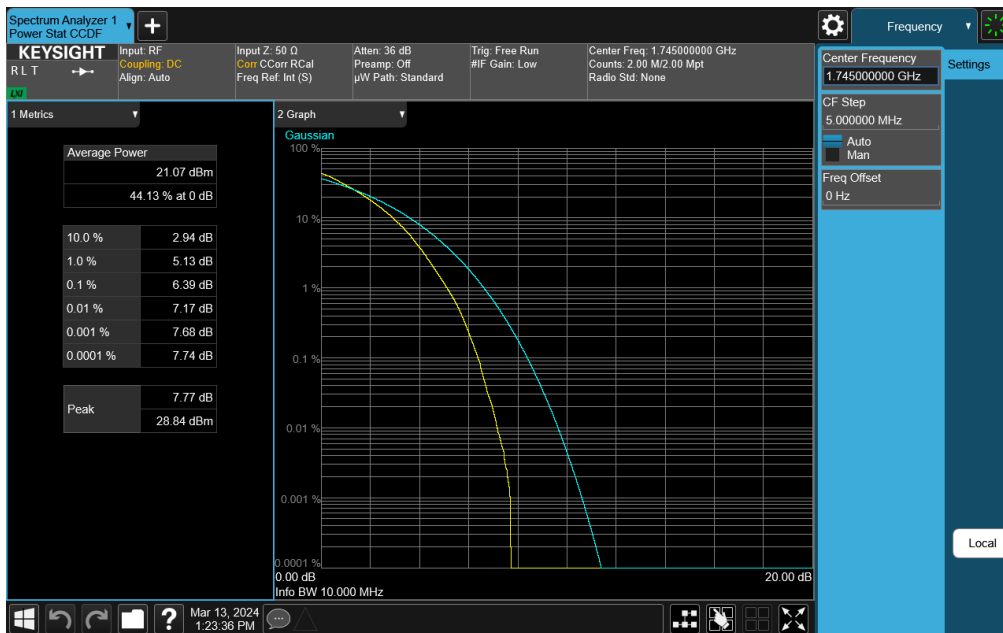


Plot 7-429. PAR Plot (NR Band n66 - 10.0MHz DFT-s-OFDM 16-QAM - Full RB)

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
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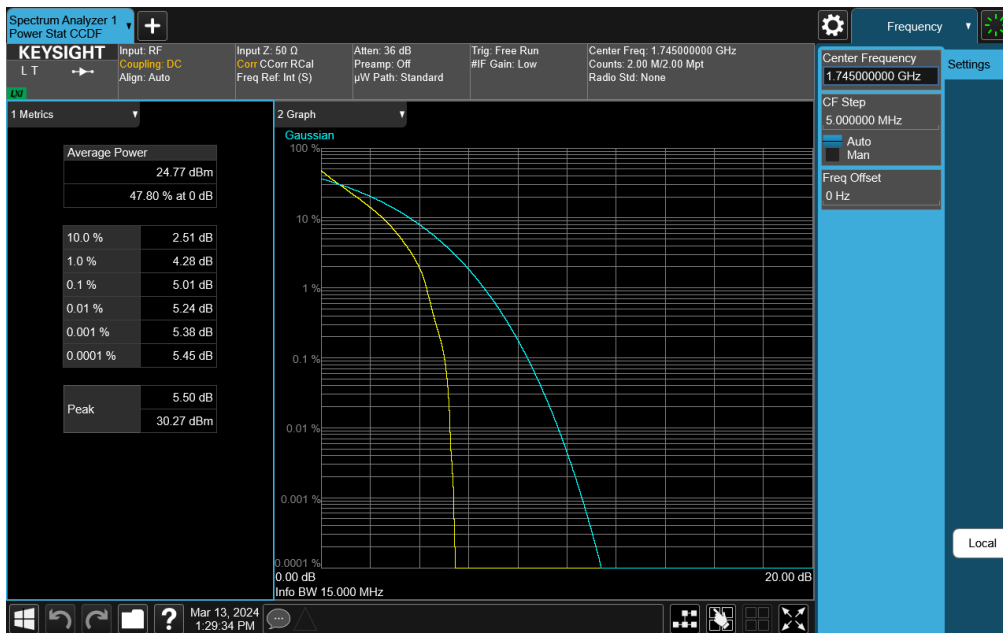
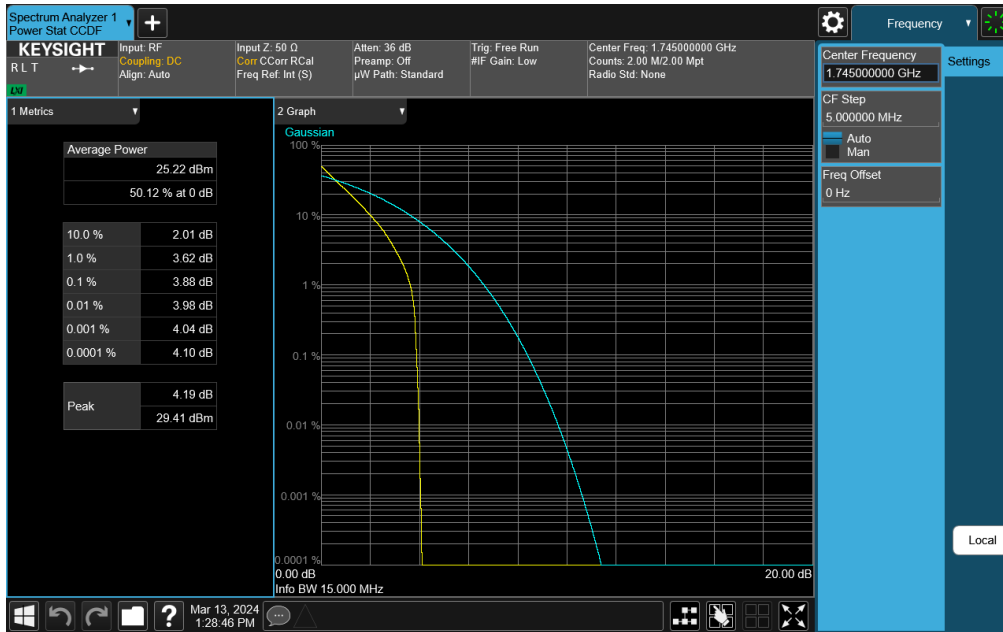


Plot 7-430. PAR Plot (NR Band n66 - 10.0MHz DFT-S-OFDM 64-QAM - Full RB)

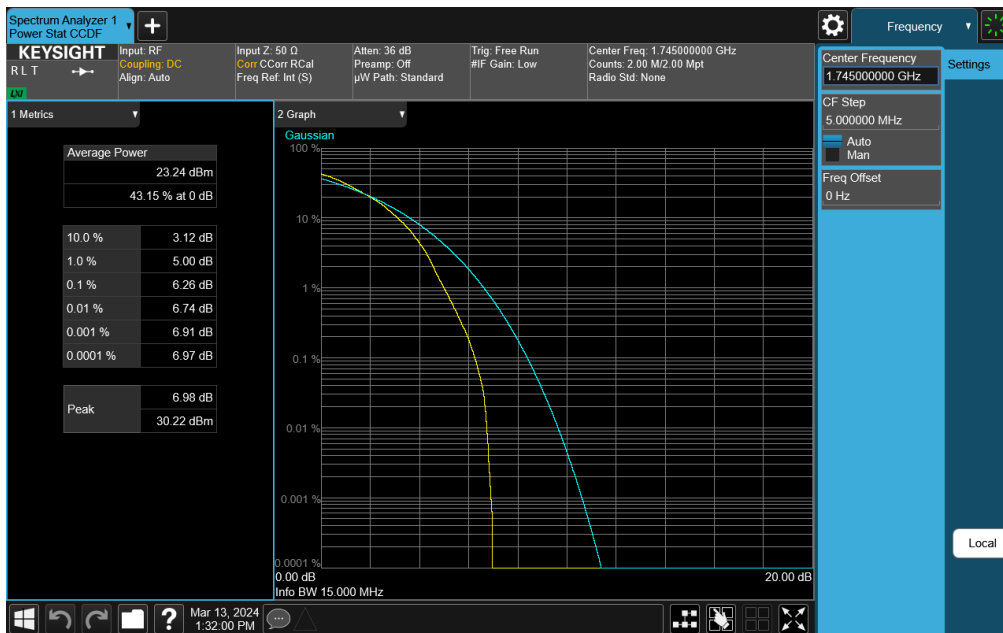
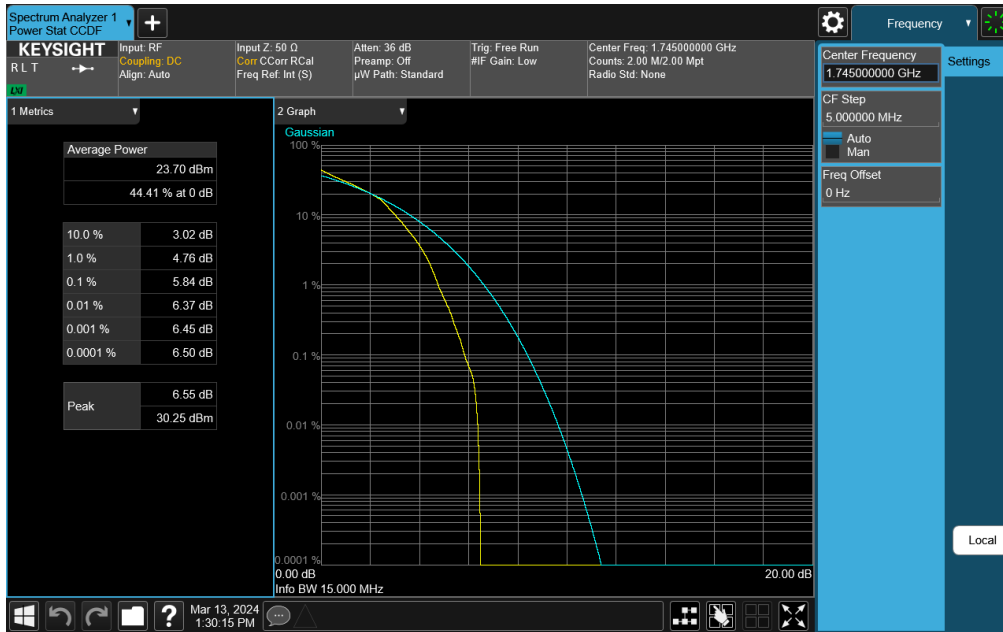


Plot 7-431. PAR Plot (NR Band n66 - 10.0MHz DFT-s-OFDM 256-QAM - Full RB)

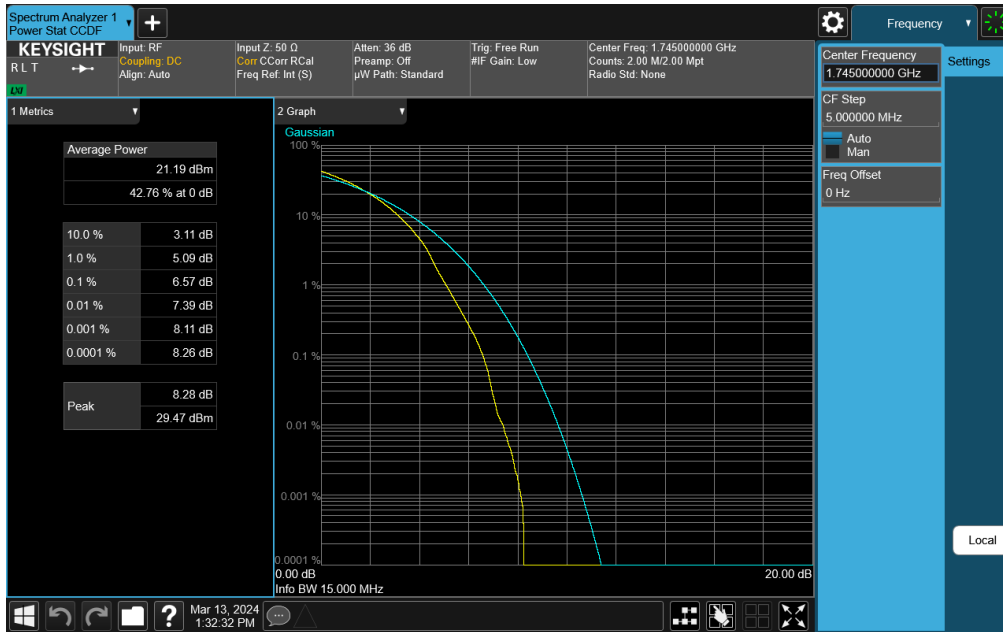
FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
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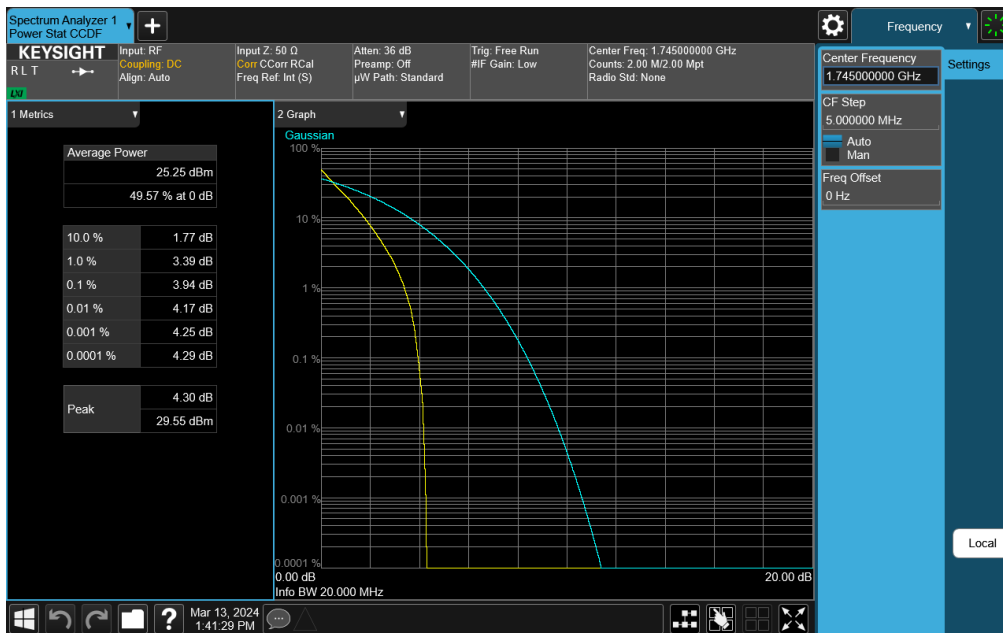
FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
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FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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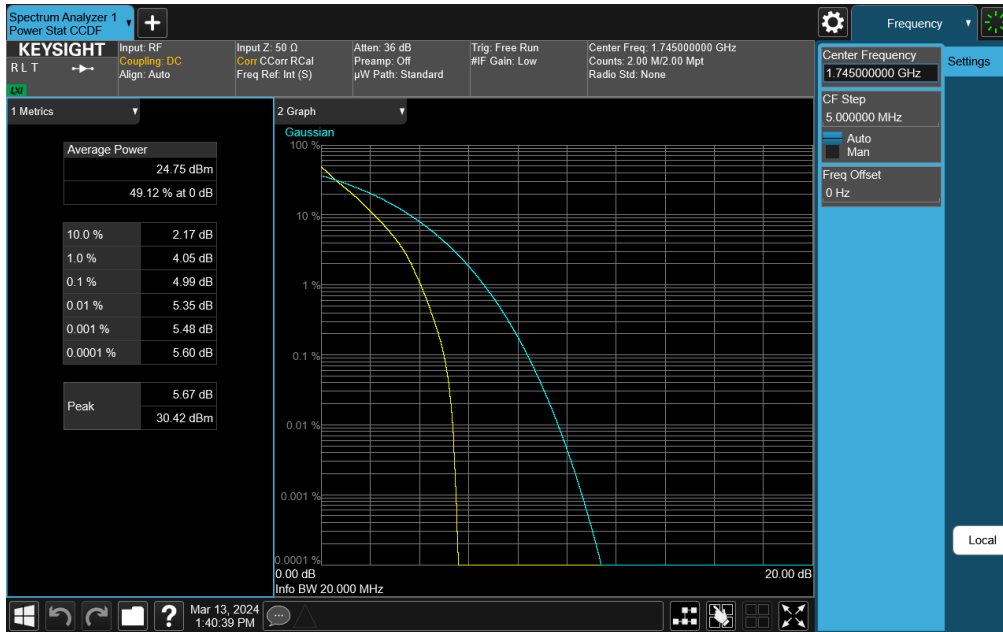


Plot 7-436. PAR Plot (NR Band n66 - 15.0MHz DFT-s-OFDM 256-QAM - Full RB)

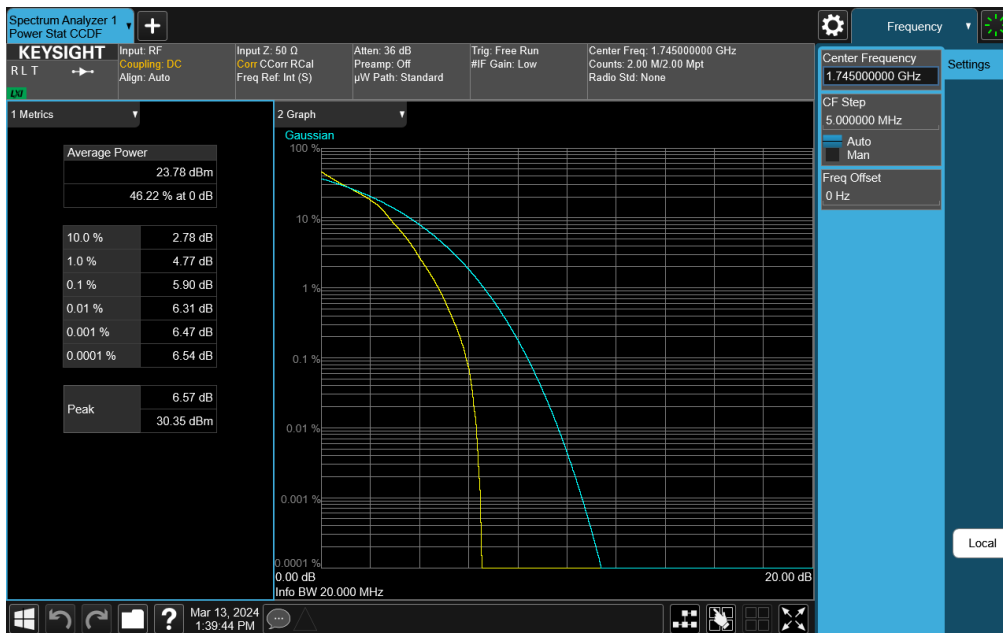


Plot 7-437. PAR Plot (NR Band n66 - 20.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
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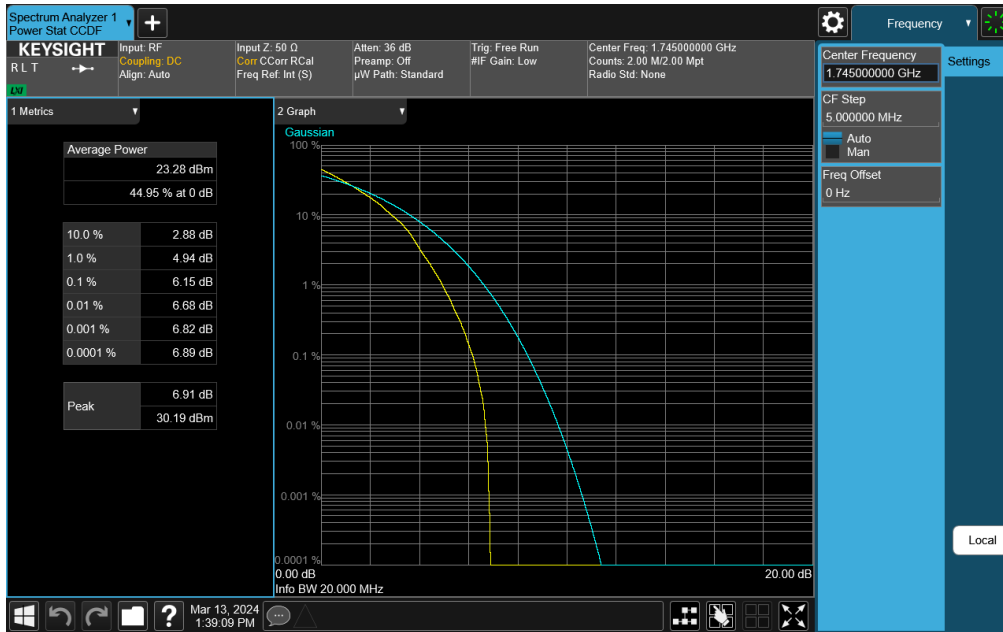


Plot 7-438. PAR Plot (NR Band n66 - 20.0MHz DFT-s-OFDM QPSK - Full RB)

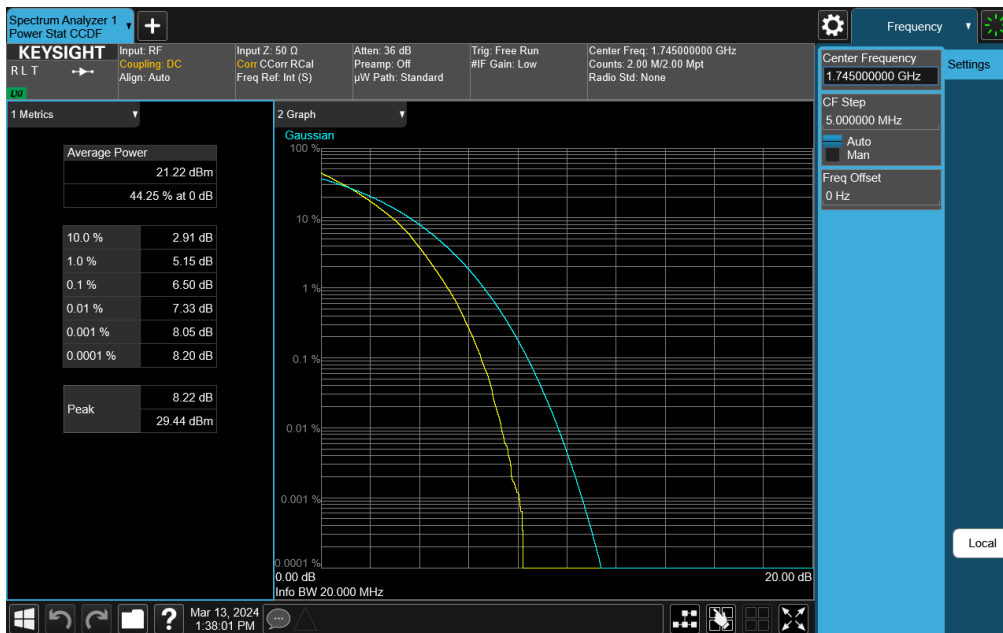


Plot 7-439. PAR Plot (NR Band n66 - 20.0MHz DFT-s-OFDM 16-QAM - Full RB)

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
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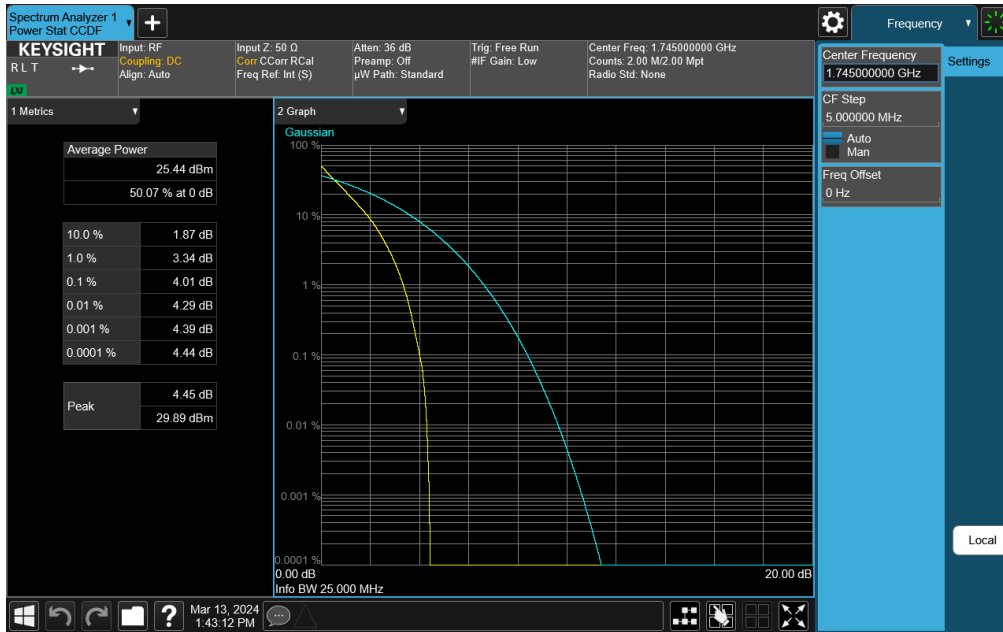


Plot 7-440. PAR Plot (NR Band n66 - 20.0MHz DFT-s-OFDM 64-QAM - Full RB)

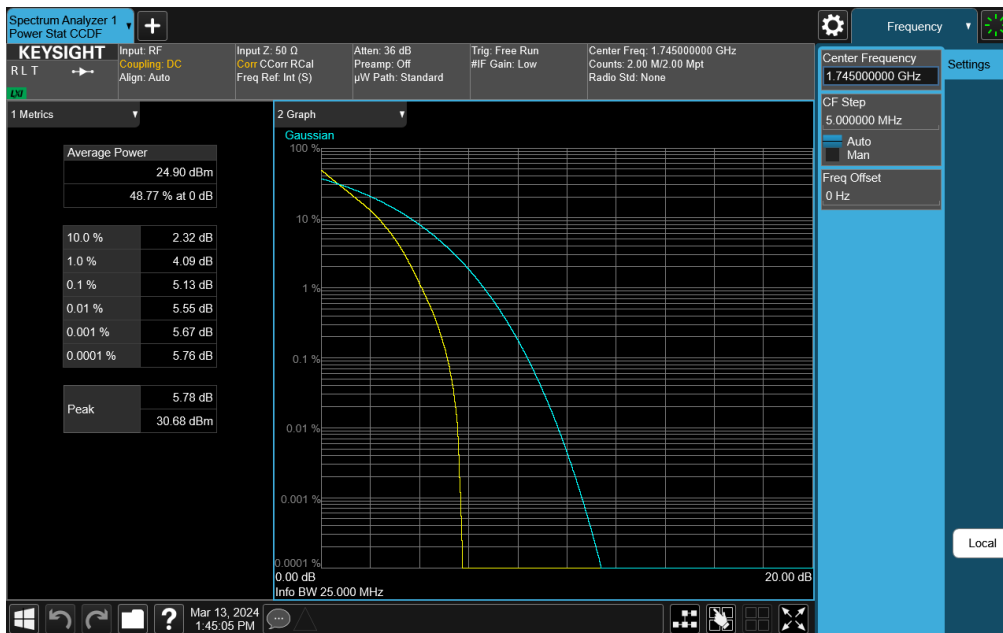


Plot 7-441. PAR Plot (NR Band n66 - 20.0MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
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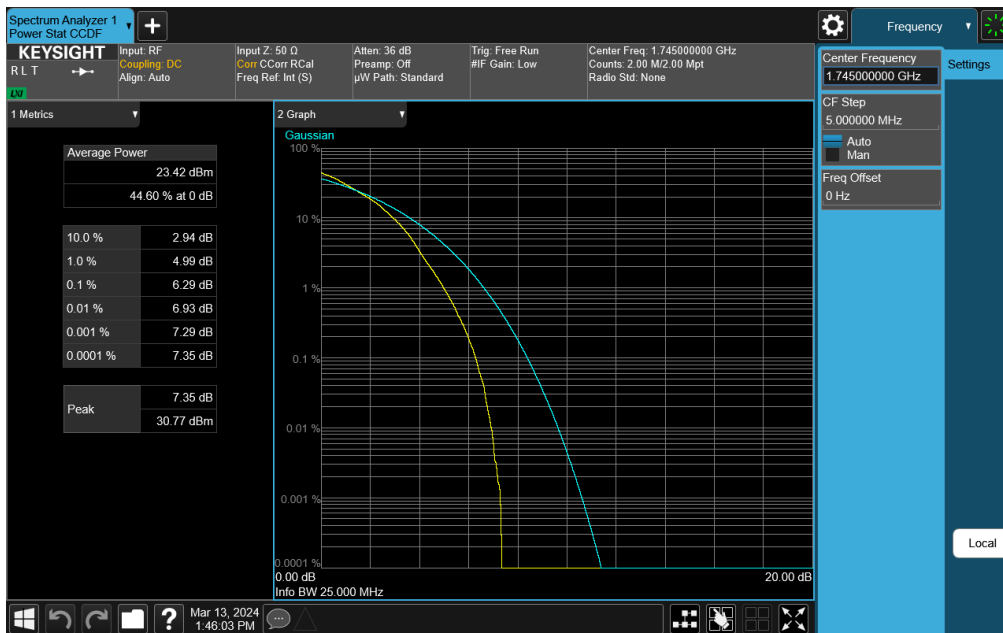
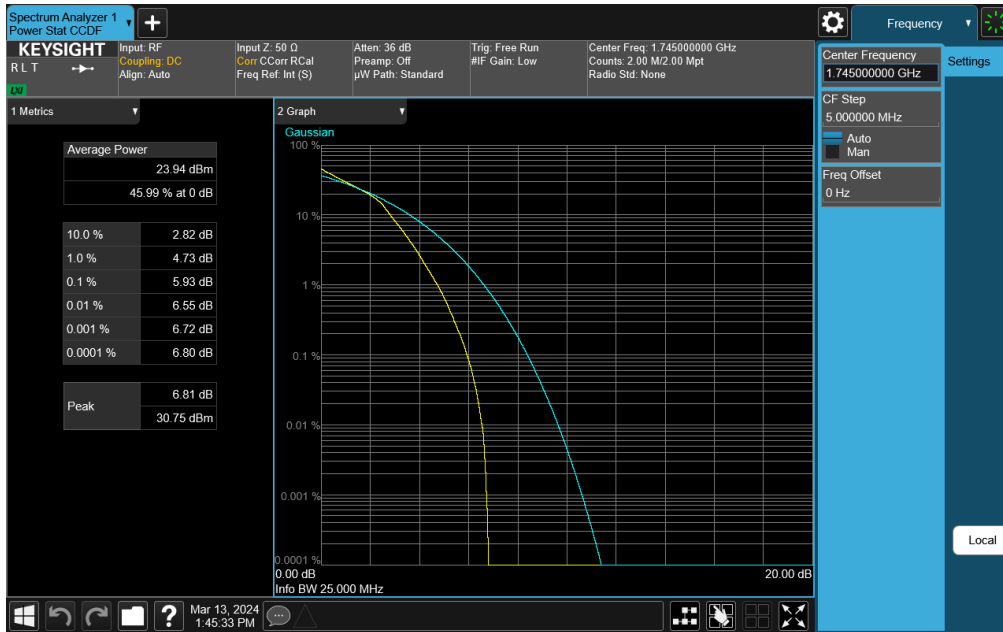


Plot 7-442. PAR Plot (NR Band n66 - 25.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

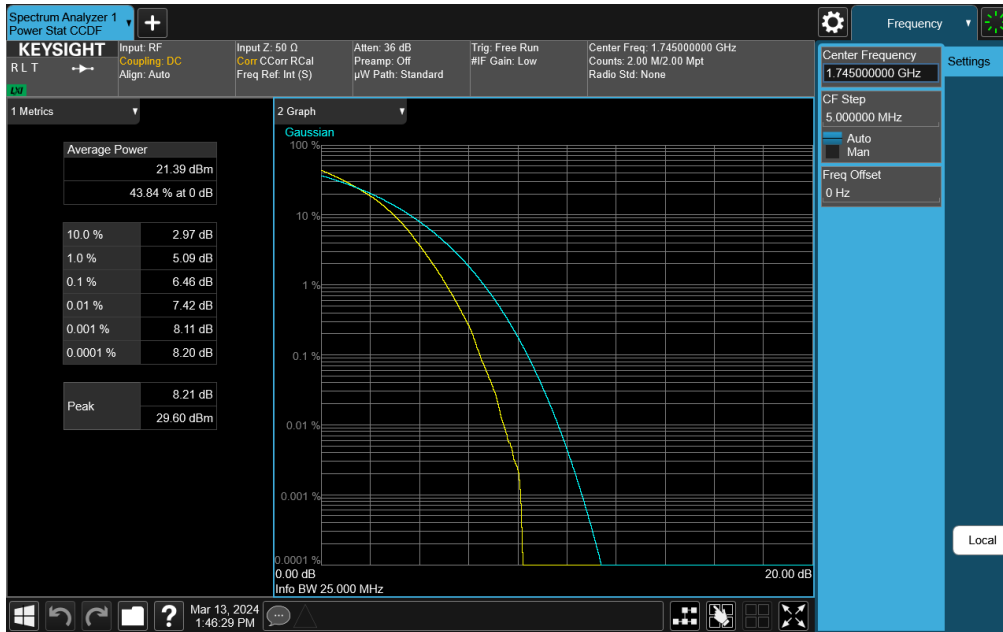


Plot 7-443. PAR Plot (NR Band n66 - 25.0MHz DFT-s-OFDM QPSK - Full RB)

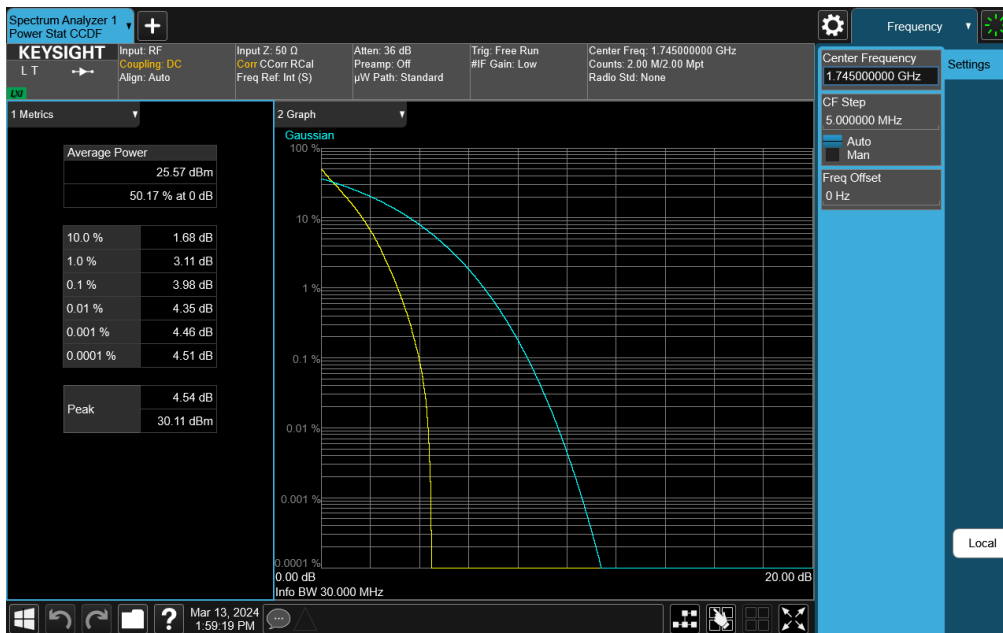
FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
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FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 251 of 345

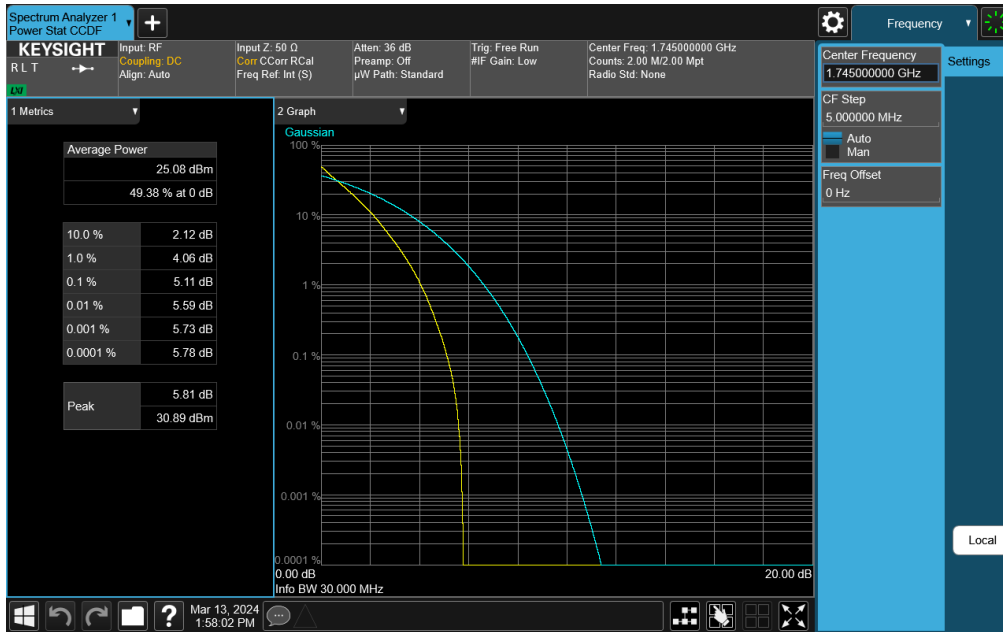


Plot 7-446. PAR Plot (NR Band n66 - 25.0MHz DFT-s-OFDM 256-QAM - Full RB)

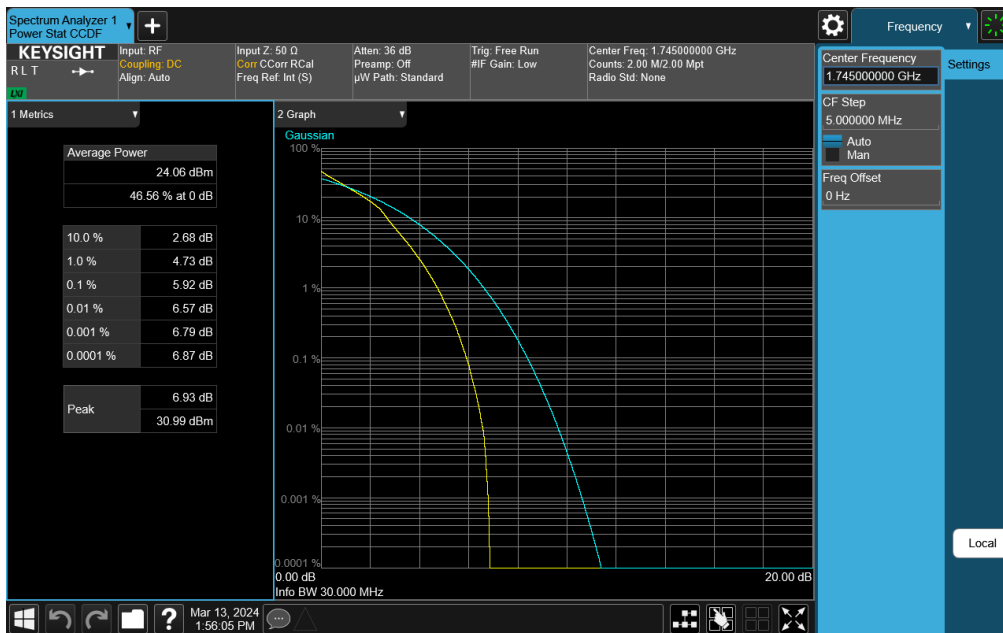


Plot 7-447. PAR Plot (NR Band n66 - 30.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
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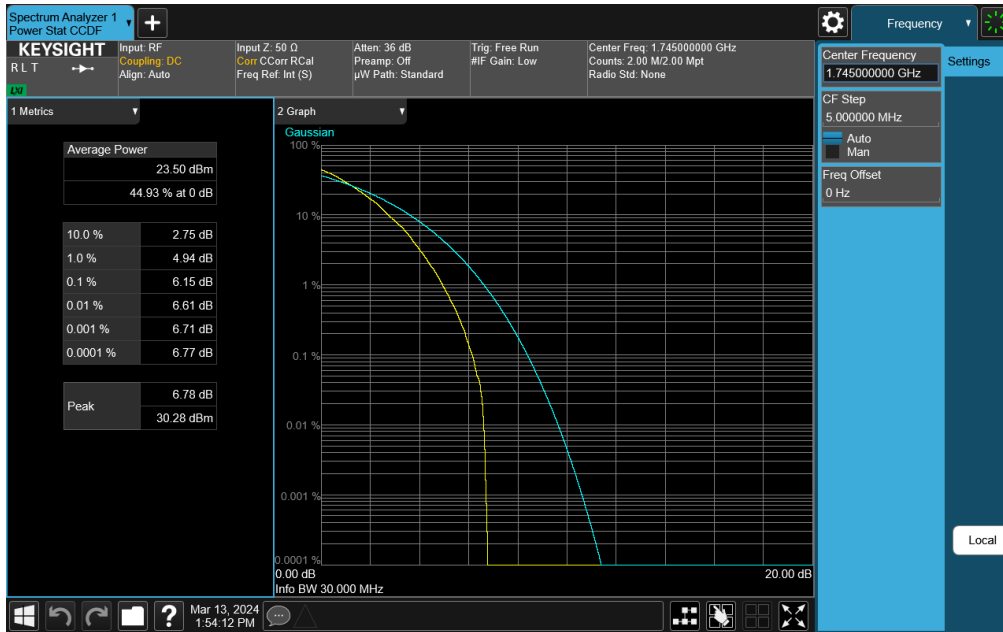


Plot 7-448. PAR Plot (NR Band n66 - 30.0MHz DFT-s-OFDM QPSK - Full RB)

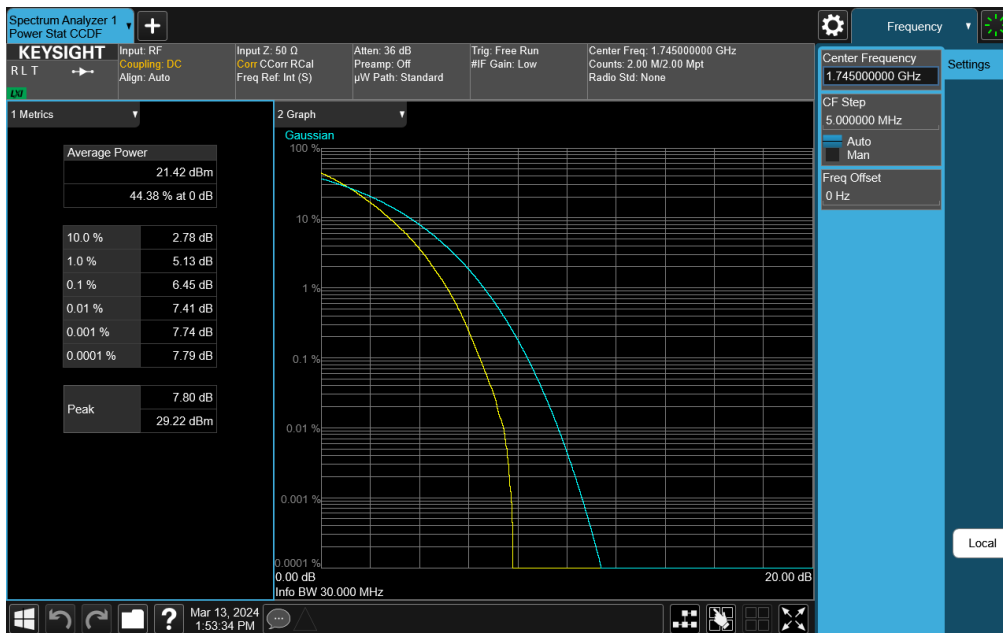


Plot 7-449. PAR Plot (NR Band n66 - 30.0MHz DFT-s-OFDM 16-QAM - Full RB)

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
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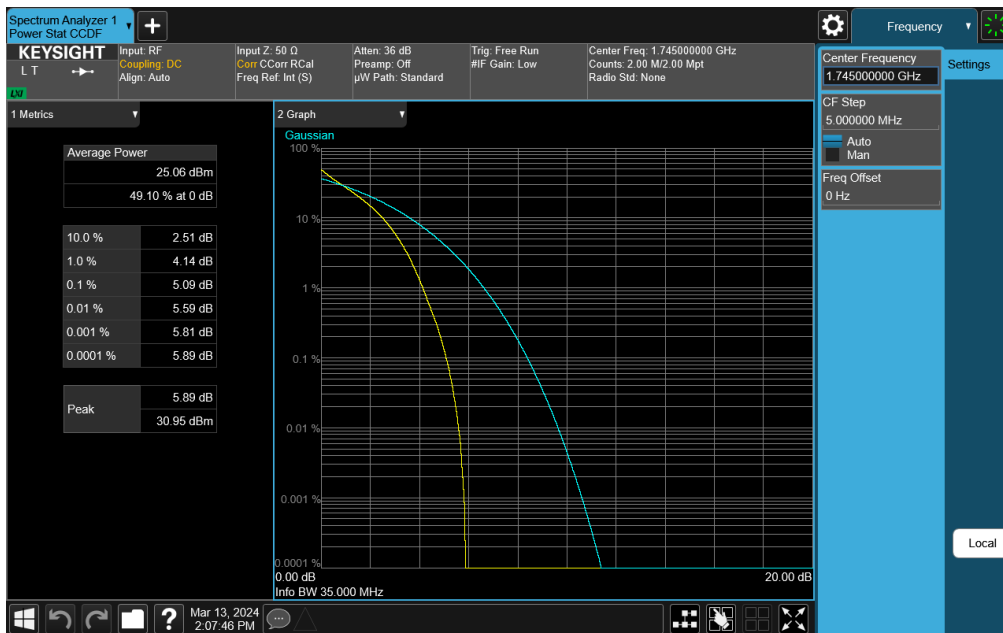
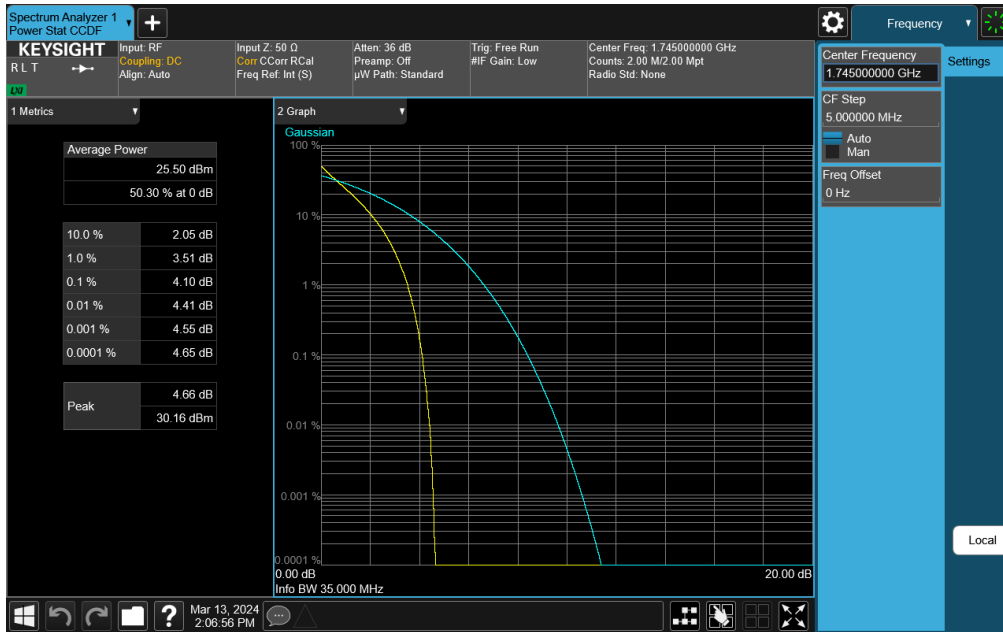


Plot 7-450. PAR Plot (NR Band n66 - 30.0MHz DFT-s-OFDM 64-QAM - Full RB)

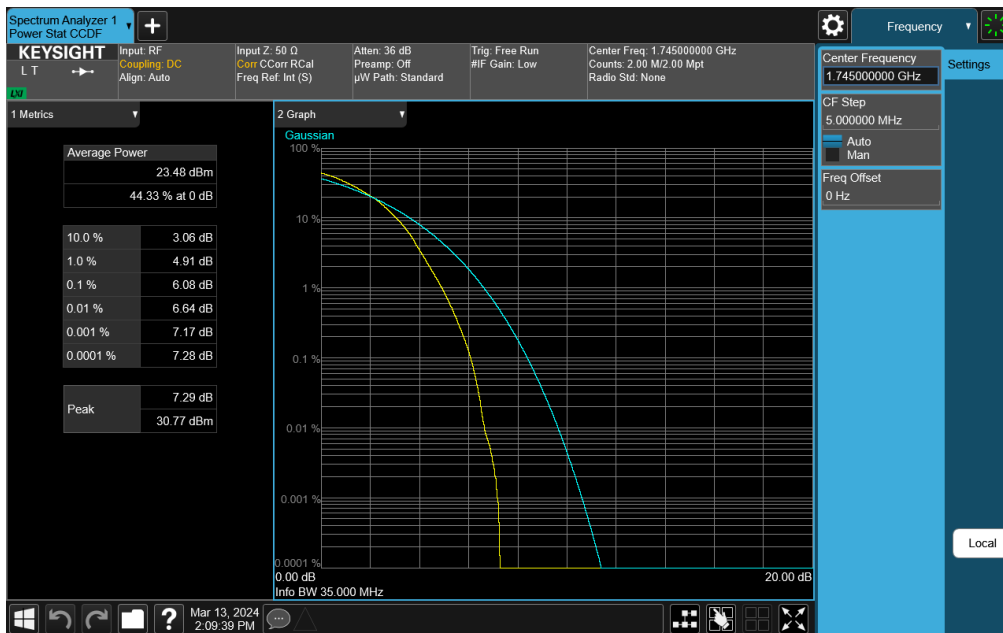
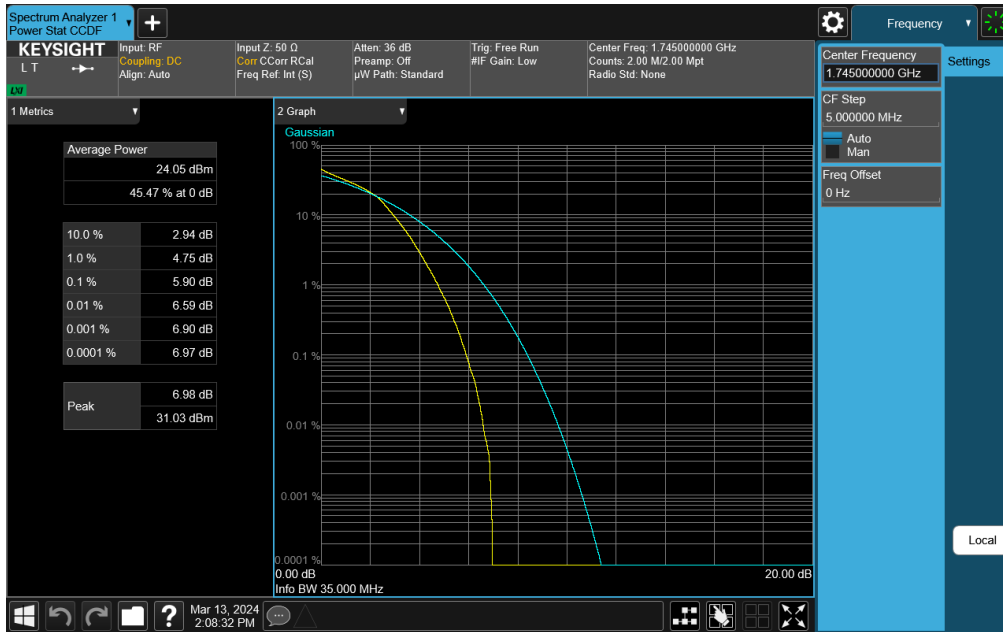


Plot 7-451. PAR Plot (NR Band n66 - 30.0MHz DFT-s-OFDM 256-QAM - Full RB)

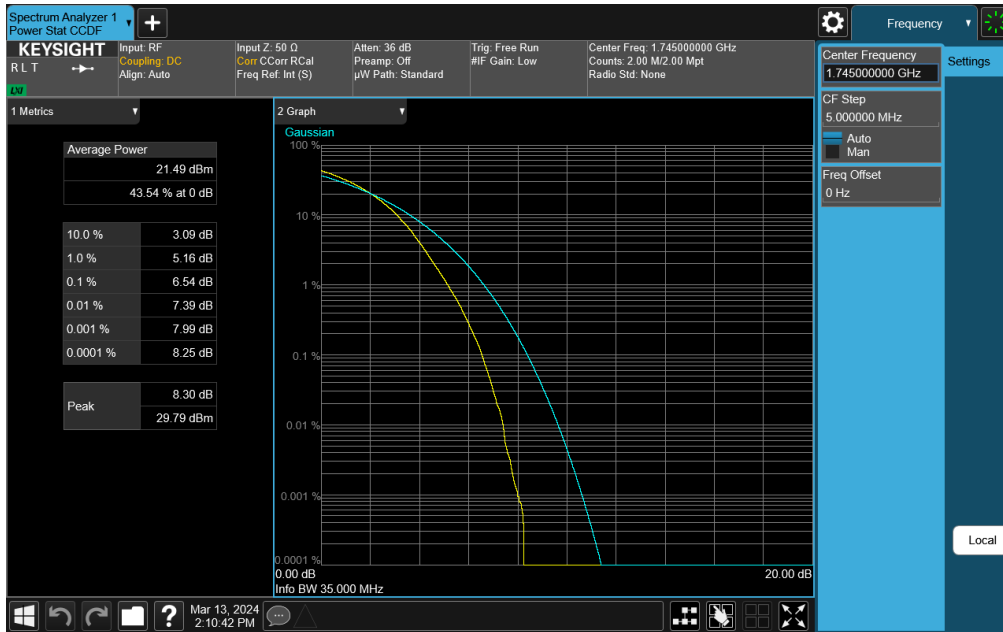
FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
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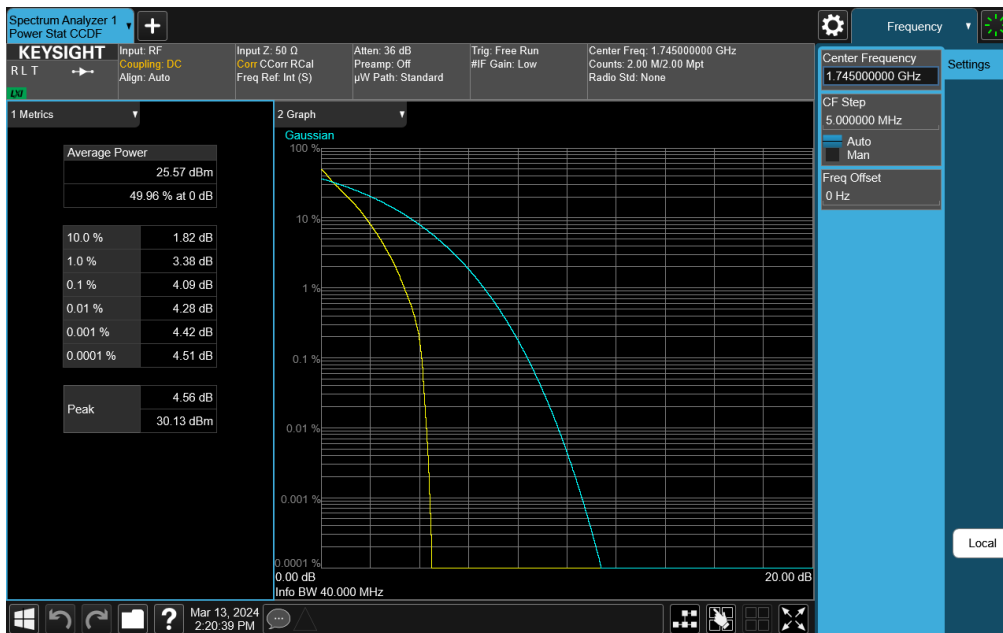
FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
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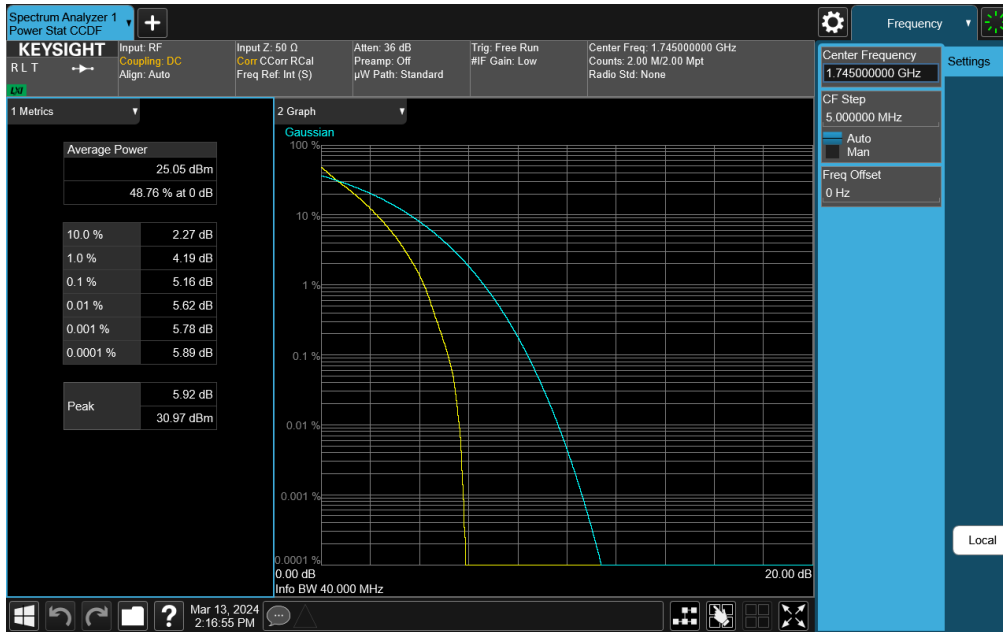


Plot 7-456. PAR Plot (NR Band n66 - 35.0MHz DFT-s-OFDM 256-QAM - Full RB)

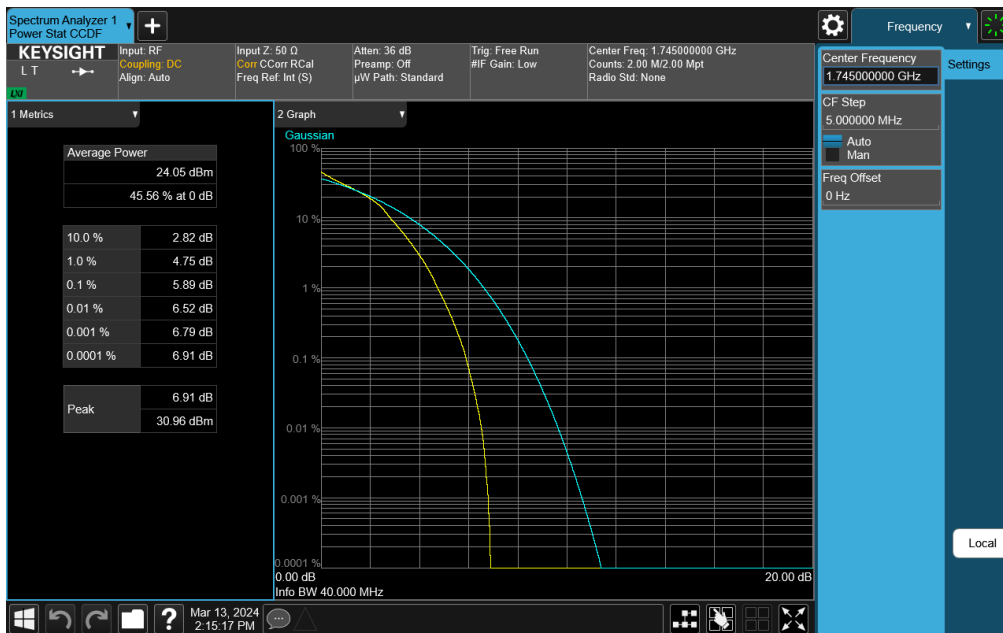


Plot 7-457. PAR Plot (NR Band n66 - 40.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
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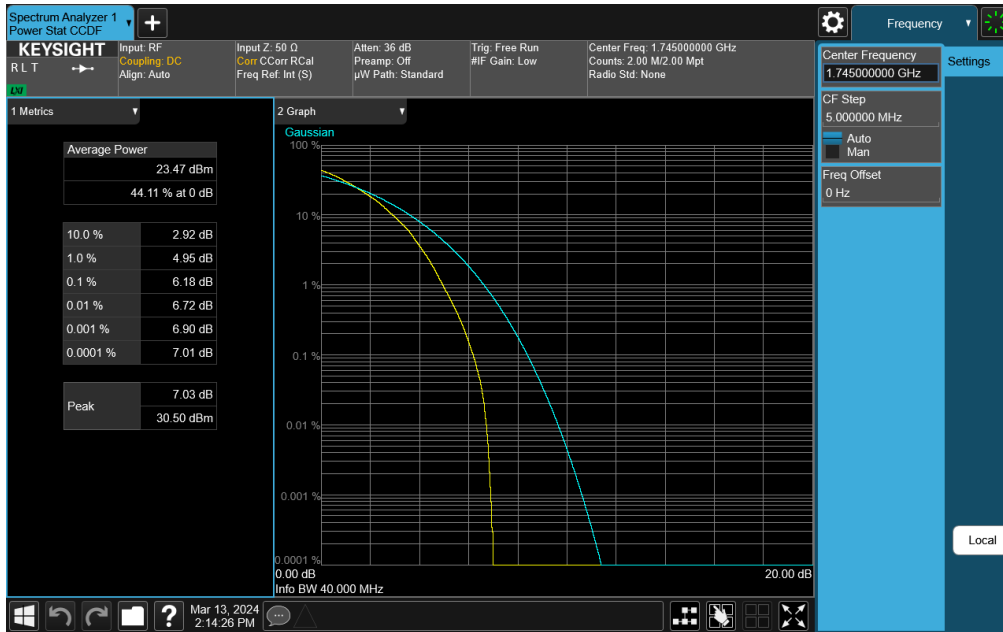


Plot 7-458. PAR Plot (NR Band n66 - 40.0MHz DFT-s-OFDM QPSK - Full RB)

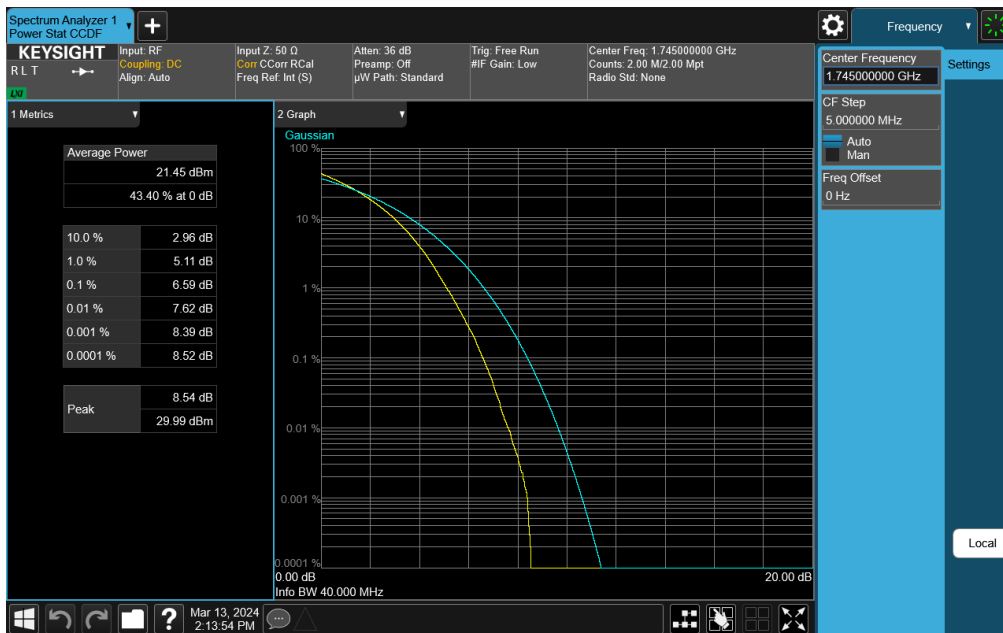


Plot 7-459. PAR Plot (NR Band n66 - 40.0MHz DFT-s-OFDM 16-QAM - Full RB)

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
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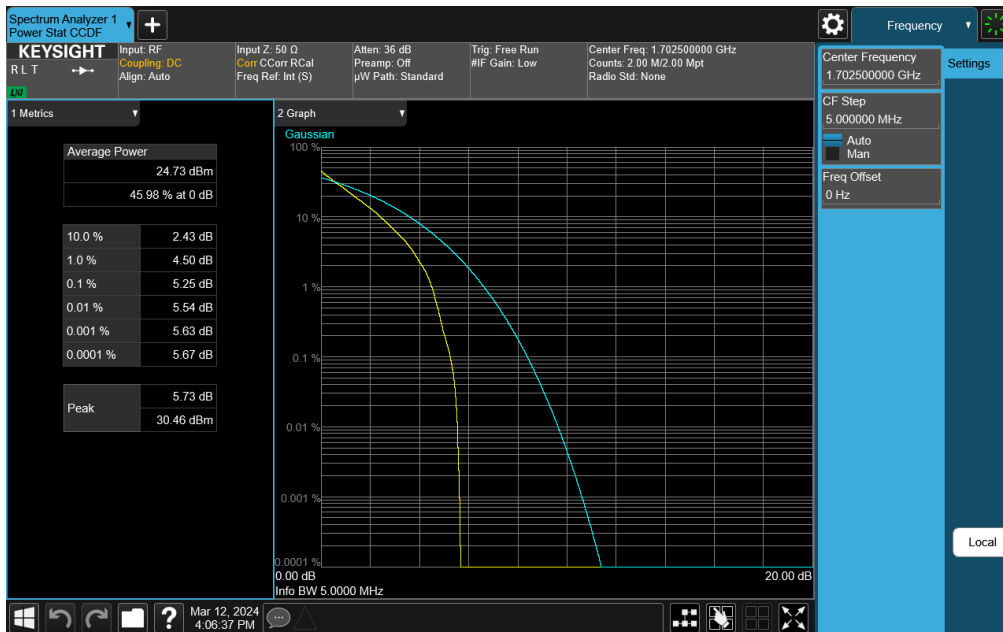
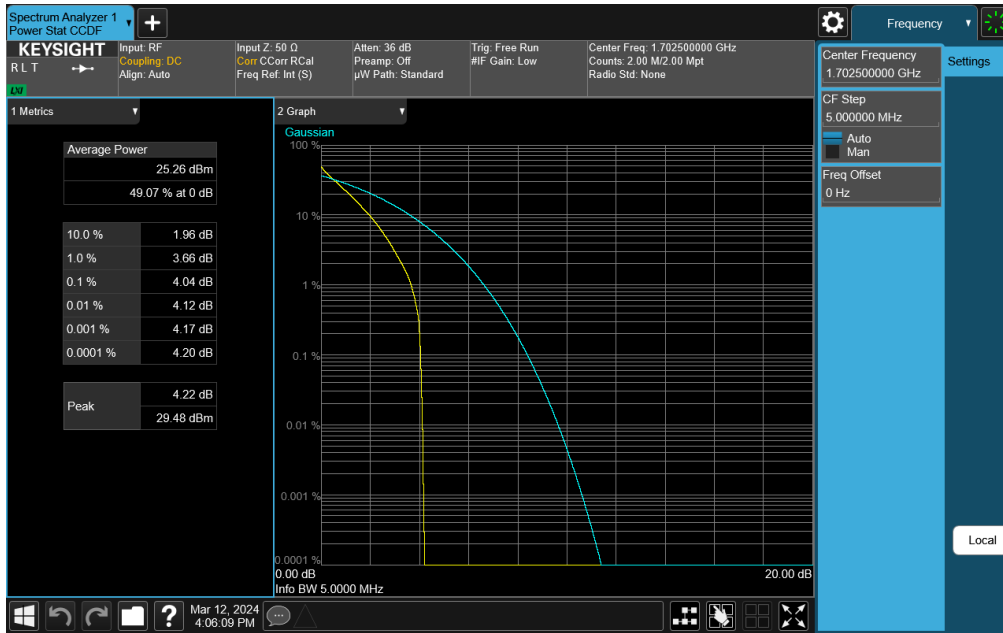


Plot 7-460. PAR Plot (NR Band n66 - 40.0MHz DFT-s-OFDM 64-QAM - Full RB)

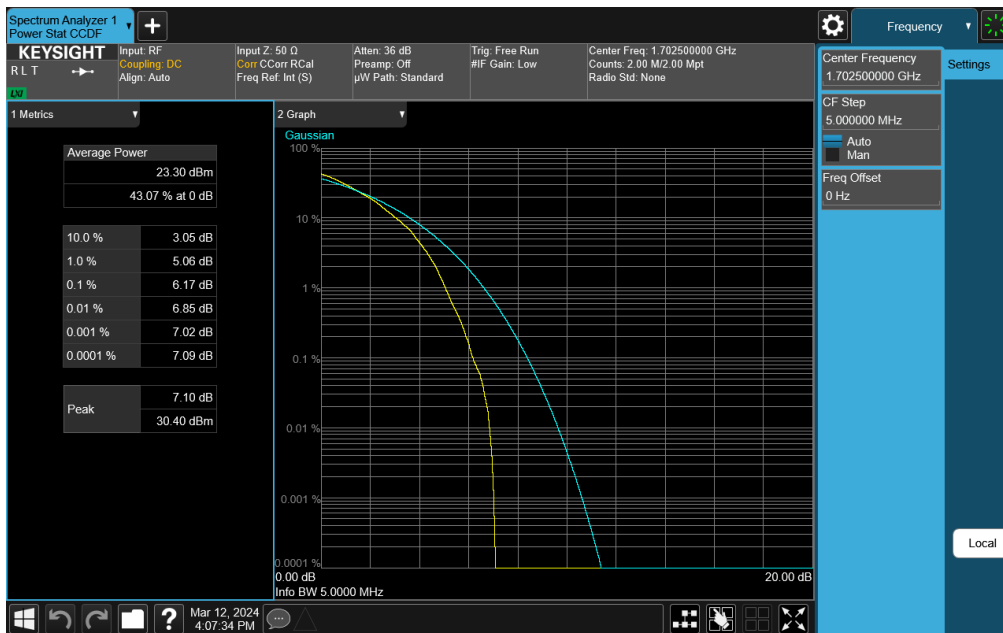
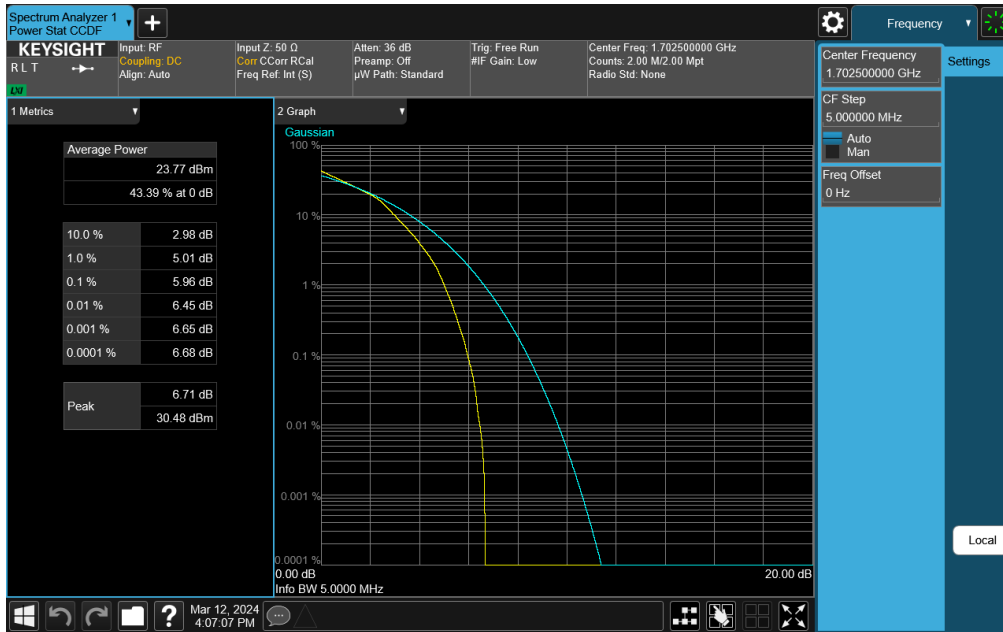


Plot 7-461. PAR Plot (NR Band n66 - 40.0MHz DFT-s-OFDM 256-QAM - Full RB)

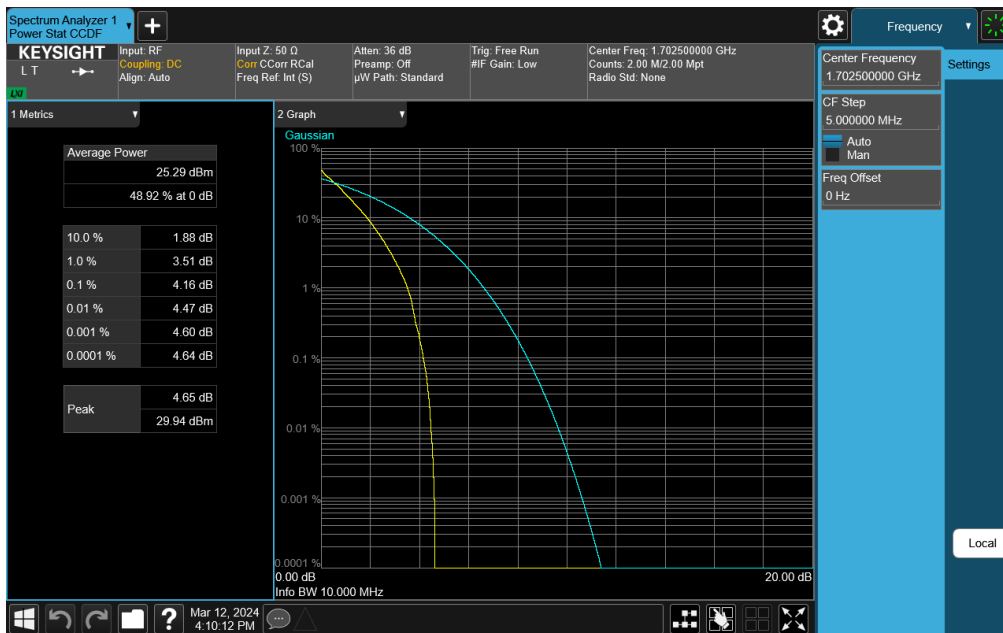
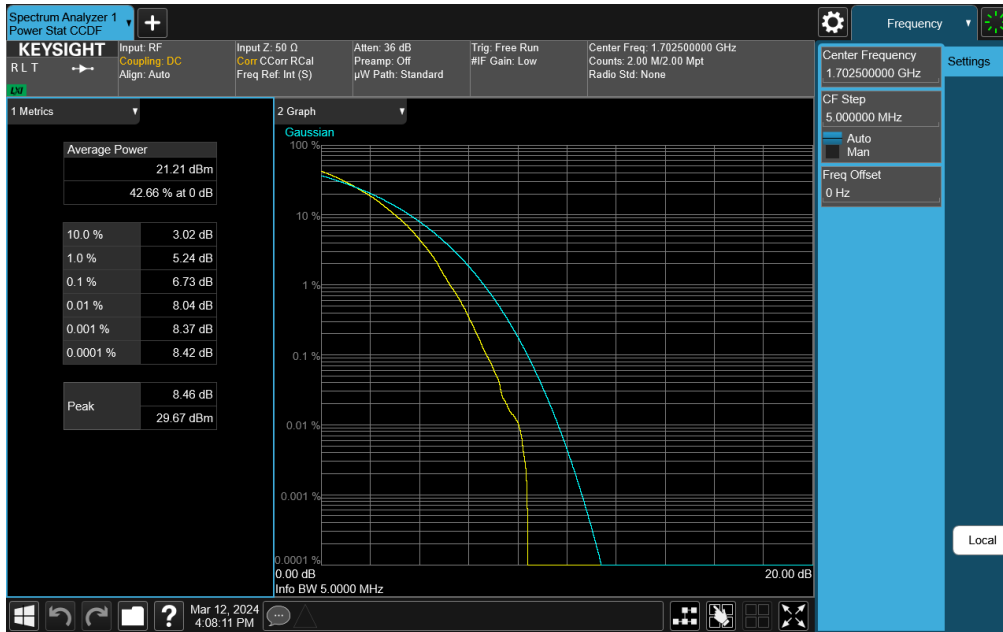
FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
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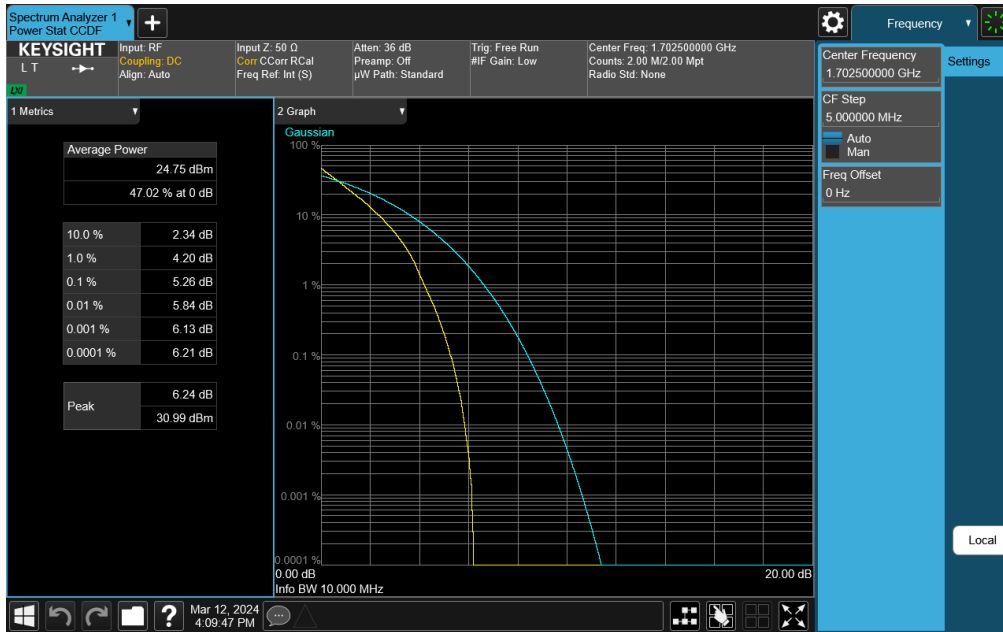
FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 260 of 345



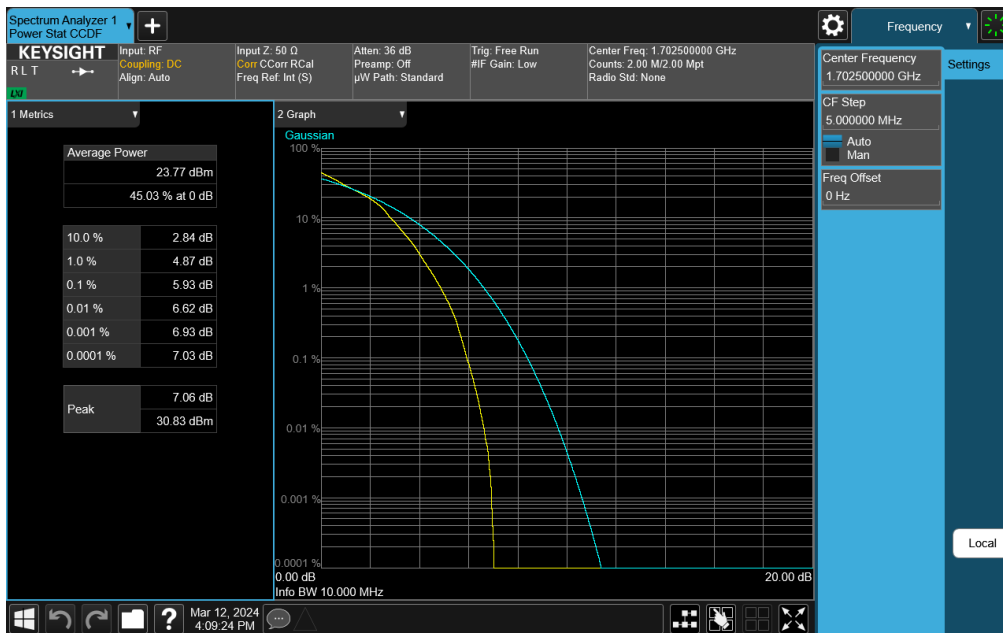
FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 261 of 345



FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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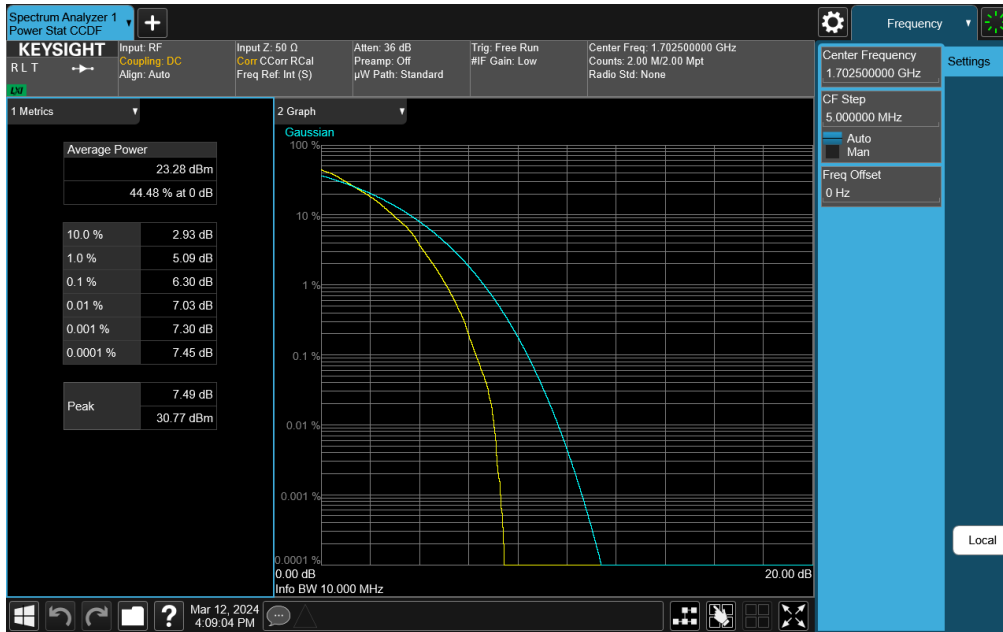


Plot 7-468. PAR Plot (NR Band n70 - 10.0MHz DFT-s-OFDM QPSK - Full RB)

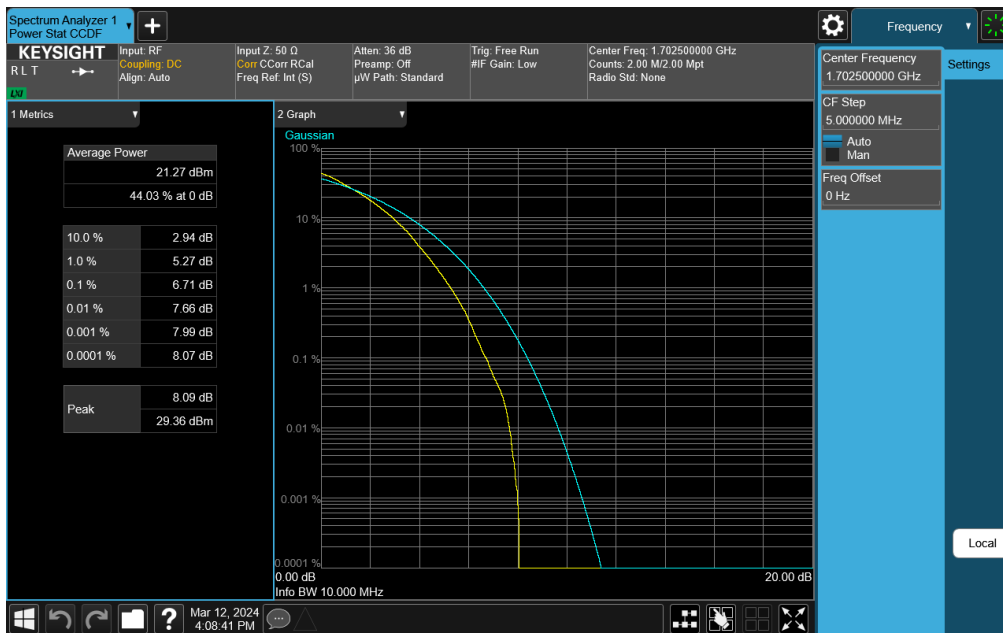


Plot 7-469. PAR Plot (NR Band n70 - 10.0MHz DFT-s-OFDM 16-QAM - Full RB)

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
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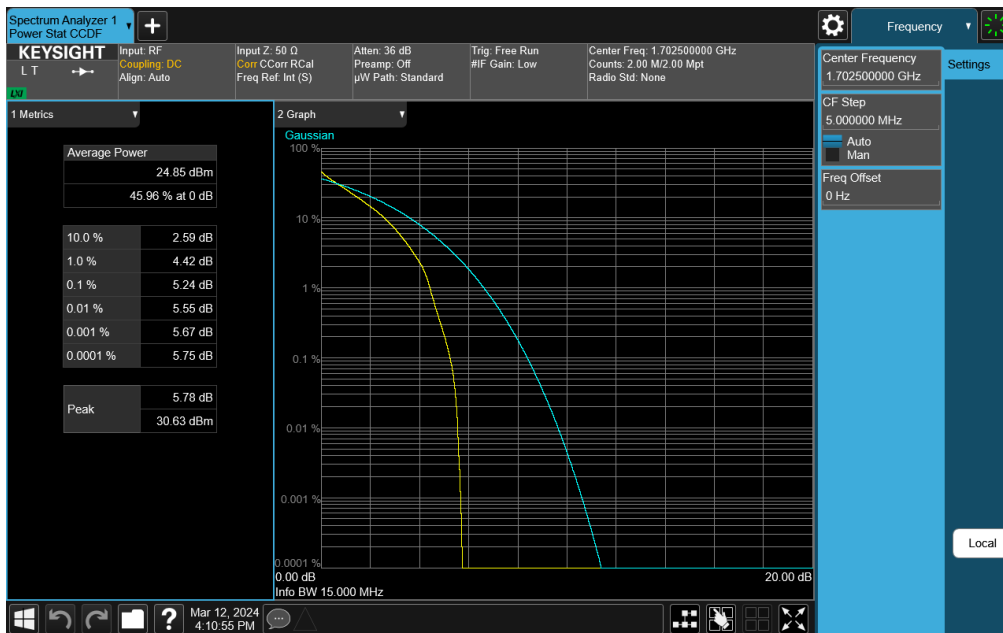
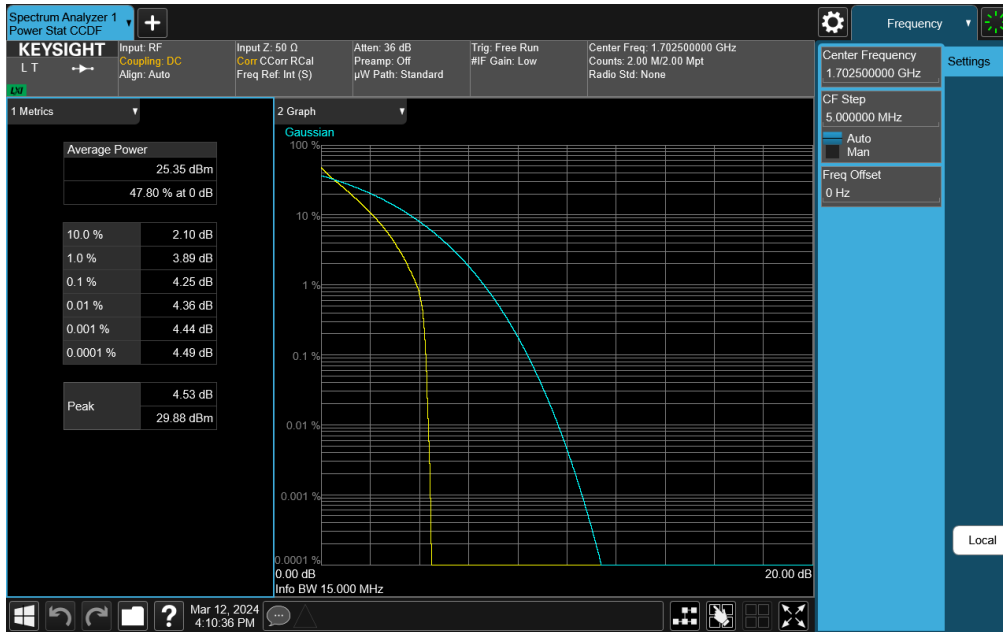


Plot 7-470. PAR Plot (NR Band n70 - 10.0MHz DFT-s-OFDM 64-QAM - Full RB)



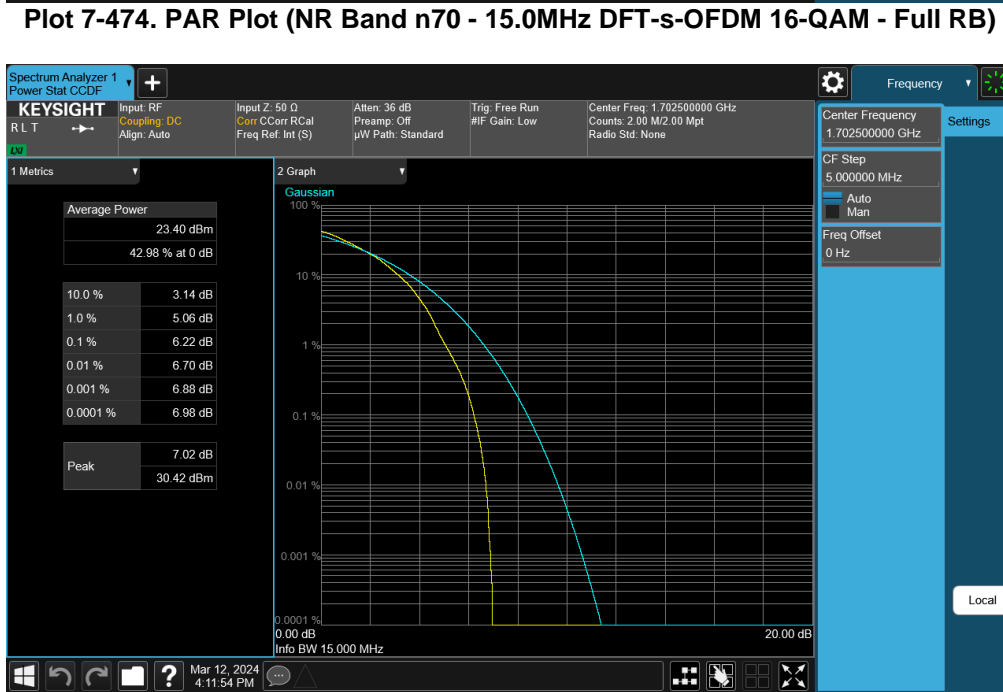
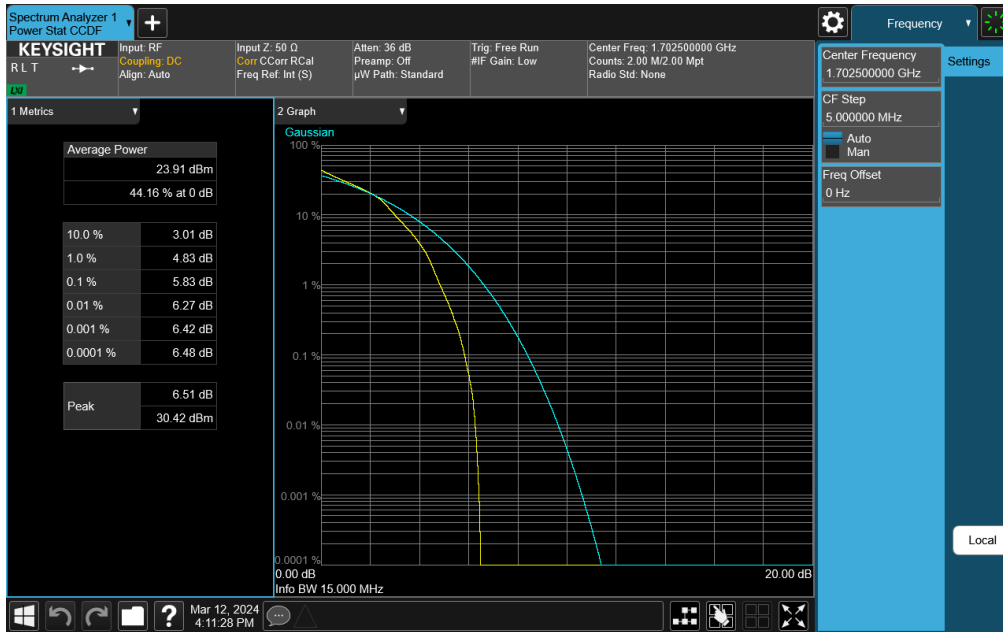
Plot 7-471. PAR Plot (NR Band n70 - 10.0MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 264 of 345



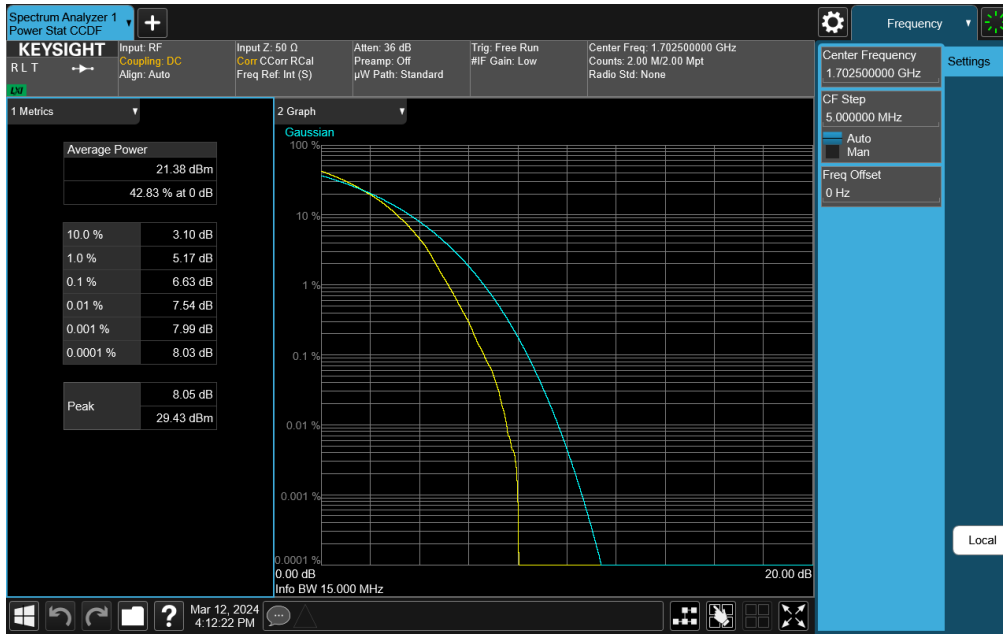
Plot 7-473. PAR Plot (NR Band n70 - 15.0MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
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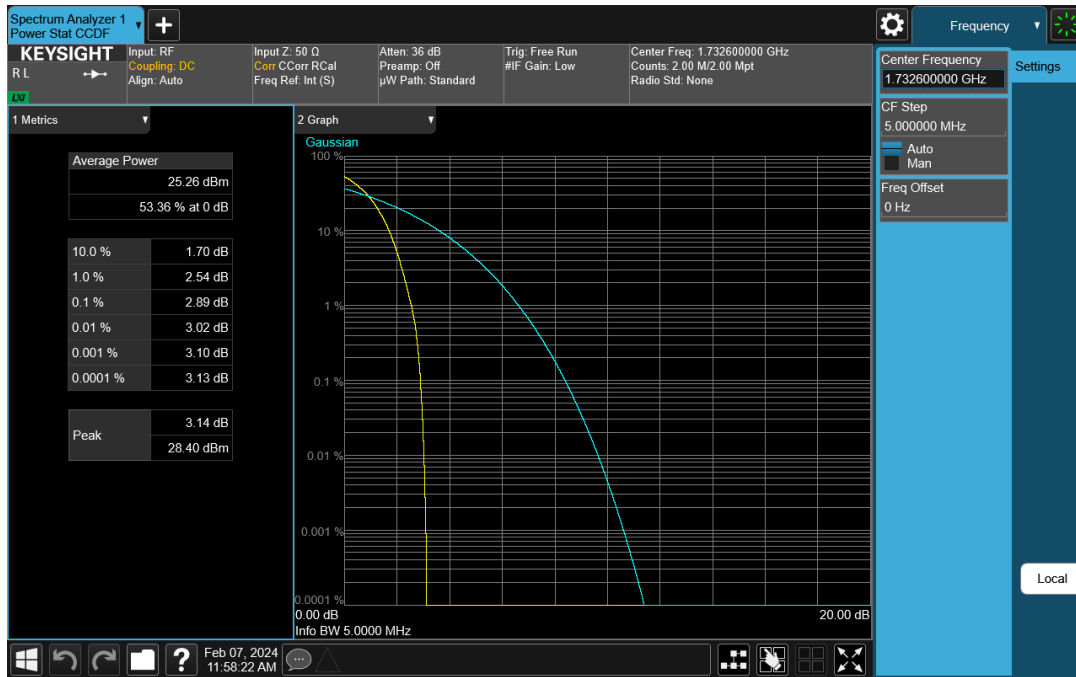
Plot 7-475. PAR Plot (NR Band n70 - 15.0MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
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Plot 7-476. PAR Plot (NR Band n70 - 15.0MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-477. PAR Plot (WCDMA, Ch. 1413)

FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 268 of 345

7.6 Radiated Power (ERP/EIRP)

§27.50(b)(10), §27.50(c)(10), §27.50(d)(4)

Test Overview

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

Test Procedures Used

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

Test Settings

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

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

Where:

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

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

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

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

Test Setup

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

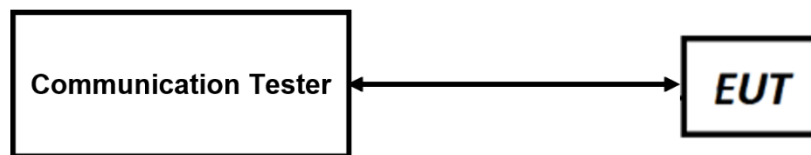




Figure 7-5. ERP/EIRP Measurement Setup

FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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. 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."
5. The Ant. Gains (GT) are listed in dBi.
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.

FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.6.1 Antenna 3 – ERP/EIRP

LTE Band 66

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	1710.7	-0.30	1 / 5	24.08	23.78	0.239	30.00	-6.22
		1745.0	-0.30	1 / 0	24.07	23.77	0.238	30.00	-6.23
		1779.3	-0.30	1 / 0	23.83	23.53	0.225	30.00	-6.47
	16-QAM	1745.0	-0.30	1 / 3	23.34	23.04	0.201	30.00	-6.96
	64-QAM	1745.0	-0.30	1 / 0	22.22	21.92	0.156	30.00	-8.08
	256-QAM	1745.0	-0.30	1 / 3	19.26	18.96	0.079	30.00	-11.04
3 MHz	QPSK	1711.5	-0.30	1 / 0	23.82	23.52	0.225	30.00	-6.48
		1745.0	-0.30	1 / 0	24.00	23.70	0.234	30.00	-6.30
		1778.5	-0.30	1 / 0	23.79	23.49	0.223	30.00	-6.51
	16-QAM	1745.0	-0.30	1 / 0	23.25	22.95	0.197	30.00	-7.05
	64-QAM	1711.5	-0.30	1 / 0	22.29	21.99	0.158	30.00	-8.01
	256-QAM	1711.5	-0.30	1 / 0	19.17	18.87	0.077	30.00	-11.13
5 MHz	QPSK	1712.5	-0.30	1 / 0	24.09	23.79	0.239	30.00	-6.21
		1745.0	-0.30	1 / 0	24.15	23.85	0.243	30.00	-6.15
		1777.5	-0.30	1 / 0	23.85	23.55	0.226	30.00	-6.45
	16-QAM	1745.0	-0.30	1 / 0	23.47	23.17	0.207	30.00	-6.83
	64-QAM	1712.5	-0.30	1 / 12	22.28	21.98	0.158	30.00	-8.02
	256-QAM	1745.0	-0.30	1 / 0	19.08	18.78	0.076	30.00	-11.22
10 MHz	QPSK	1715.0	-0.30	1 / 25	23.87	23.57	0.228	30.00	-6.43
		1745.0	-0.30	1 / 25	24.00	23.70	0.234	30.00	-6.30
		1775.0	-0.30	1 / 49	23.86	23.56	0.227	30.00	-6.44
	16-QAM	1745.0	-0.30	1 / 0	23.29	22.99	0.199	30.00	-7.01
	64-QAM	1715.0	-0.30	1 / 25	22.18	21.88	0.154	30.00	-8.12
	256-QAM	1745.0	-0.30	1 / 0	19.17	18.87	0.077	30.00	-11.13
15 MHz	QPSK	1717.5	-0.30	1 / 0	23.88	23.58	0.228	30.00	-6.42
		1745.0	-0.30	1 / 0	23.96	23.66	0.232	30.00	-6.34
		1772.5	-0.30	1 / 0	23.77	23.47	0.222	30.00	-6.53
	16-QAM	1745.0	-0.30	1 / 0	23.16	22.86	0.193	30.00	-7.14
	64-QAM	1717.5	-0.30	1 / 0	22.18	21.88	0.154	30.00	-8.12
	256-QAM	1772.5	-0.30	1 / 0	19.06	18.76	0.075	30.00	-11.24
20 MHz	QPSK	1720.0	-0.30	1 / 99	23.78	23.48	0.223	30.00	-6.52
		1745.0	-0.30	1 / 0	23.98	23.68	0.233	30.00	-6.32
		1770.0	-0.30	1 / 0	23.85	23.55	0.226	30.00	-6.45
	16-QAM	1770.0	-0.30	1 / 0	23.36	23.06	0.202	30.00	-6.94
	64-QAM	1745.0	-0.30	1 / 0	22.28	21.98	0.158	30.00	-8.02
	256-QAM	1745.0	-0.30	1 / 0	19.02	18.72	0.074	30.00	-11.28


Table 7-2. Antenna 3 EIRP Data (LTE Band 66)

FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 271 of 345

LTE Band 4

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	1710.7	-0.30	1 / 0	25.06	24.76	0.299	30.00	-5.24
		1732.5	-0.30	1 / 3	25.11	24.81	0.303	30.00	-5.19
		1754.3	-0.30	1 / 0	24.87	24.57	0.286	30.00	-5.43
	16-QAM	1732.5	-0.30	1 / 5	24.36	24.06	0.255	30.00	-5.94
	64-QAM	1754.3	-0.30	1 / 0	23.20	22.90	0.195	30.00	-7.10
256-QAM	1732.5	-0.30	1 / 3	20.19	19.89	0.097	30.00	-10.11	
3 MHz	QPSK	1711.5	-0.30	1 / 0	24.89	24.59	0.288	30.00	-5.41
		1732.5	-0.30	1 / 0	25.04	24.74	0.298	30.00	-5.26
		1753.5	-0.30	1 / 0	24.84	24.54	0.284	30.00	-5.46
	16-QAM	1753.5	-0.30	1 / 0	24.47	24.17	0.261	30.00	-5.83
	64-QAM	1711.5	-0.30	1 / 0	23.25	22.95	0.197	30.00	-7.05
256-QAM	1753.5	-0.30	1 / 0	20.29	19.99	0.100	30.00	-10.01	
5 MHz	QPSK	1712.5	-0.30	1 / 0	25.11	24.81	0.303	30.00	-5.19
		1732.5	-0.30	1 / 0	25.17	24.87	0.307	30.00	-5.13
		1752.5	-0.30	1 / 0	25.01	24.71	0.296	30.00	-5.29
	16-QAM	1732.5	-0.30	1 / 0	24.62	24.32	0.270	30.00	-5.68
	64-QAM	1732.5	-0.30	1 / 0	23.48	23.18	0.208	30.00	-6.82
256-QAM	1712.5	-0.30	1 / 0	20.20	19.90	0.098	30.00	-10.10	
10 MHz	QPSK	1715.0	-0.30	1 / 25	24.90	24.60	0.288	30.00	-5.40
		1732.5	-0.30	1 / 0	24.99	24.69	0.294	30.00	-5.31
		1750.0	-0.30	1 / 0	24.88	24.58	0.287	30.00	-5.42
	16-QAM	1750.0	-0.30	1 / 25	24.32	24.02	0.252	30.00	-5.98
	64-QAM	1715.0	-0.30	1 / 49	23.27	22.97	0.198	30.00	-7.03
256-QAM	1732.5	-0.30	1 / 0	20.28	19.98	0.100	30.00	-10.02	
15 MHz	QPSK	1717.5	-0.30	1 / 0	24.95	24.65	0.292	30.00	-5.35
		1732.5	-0.30	1 / 37	25.05	24.75	0.299	30.00	-5.25
		1747.5	-0.30	1 / 0	24.83	24.53	0.284	30.00	-5.47
	16-QAM	1732.5	-0.30	1 / 0	24.35	24.05	0.254	30.00	-5.95
	64-QAM	1717.5	-0.30	1 / 0	23.21	22.91	0.195	30.00	-7.09
256-QAM	1732.5	-0.30	1 / 0	20.22	19.92	0.098	30.00	-10.08	
20 MHz	QPSK	1720.0	-0.30	1 / 0	24.89	24.59	0.288	30.00	-5.41
		1732.5	-0.30	1 / 50	24.72	24.42	0.277	30.00	-5.58
		1745.0	-0.30	1 / 0	24.96	24.66	0.292	30.00	-5.34
	16-QAM	1732.5	-0.30	1 / 0	24.38	24.08	0.256	30.00	-5.92
	64-QAM	1732.5	-0.30	1 / 0	23.36	23.06	0.202	30.00	-6.94
256-QAM	1720.0	-0.30	1 / 0	20.07	19.77	0.095	30.00	-10.23	


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

FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 272 of 345

LTE Band 71

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	QPSK	665.5	-2.10	1 / 0	25.44	21.19	0.132	34.77	-13.58
		680.5	-2.10	1 / 0	25.57	21.32	0.136	34.77	-13.45
		695.5	-2.10	1 / 0	25.45	21.20	0.132	34.77	-13.57
	16-QAM	695.5	-2.10	1 / 0	24.96	20.71	0.118	34.77	-14.06
	64-QAM	695.5	-2.10	1 / 0	23.91	19.66	0.092	34.77	-15.11
256-QAM	695.5	-2.10	1 / 12	20.68	16.43	0.044	34.77	-18.34	
10 MHz	QPSK	668.0	-2.10	1 / 25	25.30	21.05	0.127	34.77	-13.72
		680.5	-2.10	1 / 49	25.51	21.26	0.134	34.77	-13.51
		693.0	-2.10	1 / 0	25.46	21.21	0.132	34.77	-13.56
	16-QAM	693.0	-2.10	1 / 25	24.90	20.65	0.116	34.77	-14.12
	64-QAM	693.0	-2.10	1 / 49	23.72	19.47	0.089	34.77	-15.30
	256-QAM	693.0	-2.10	1 / 0	20.87	16.62	0.046	34.77	-18.15
15 MHz	QPSK	670.5	-2.10	1 / 0	25.29	21.04	0.127	34.77	-13.73
		680.5	-2.10	1 / 0	25.31	21.06	0.128	34.77	-13.71
		690.5	-2.10	1 / 0	25.26	21.01	0.126	34.77	-13.76
	16-QAM	690.5	-2.10	1 / 0	24.69	20.44	0.111	34.77	-14.33
	64-QAM	690.5	-2.10	1 / 0	23.53	19.28	0.085	34.77	-15.49
	256-QAM	690.5	-2.10	1 / 74	20.66	16.41	0.044	34.77	-18.36
20 MHz	QPSK	673.0	-2.10	1 / 0	25.44	21.19	0.132	34.77	-13.58
		680.5	-2.10	1 / 0	25.48	21.23	0.133	34.77	-13.54
		688.0	-2.10	1 / 0	25.43	21.18	0.131	34.77	-13.59
	16-QAM	688.0	-2.10	1 / 0	24.87	20.62	0.115	34.77	-14.15
	64-QAM	688.0	-2.10	1 / 0	23.72	19.47	0.089	34.77	-15.30
	256-QAM	673.0	-2.10	1 / 99	20.58	16.33	0.043	34.77	-18.44


Table 7-4. Antenna 3 ERP Data (LTE Band 71)

FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 12

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	699.7	-2.40	1 / 0	25.32	20.77	0.119	34.77	-14.00
		707.5	-2.40	1 / 5	25.47	20.92	0.124	34.77	-13.85
		715.3	-2.40	1 / 3	25.50	20.95	0.124	34.77	-13.82
	16-QAM	707.5	-2.40	1 / 0	24.76	20.21	0.105	34.77	-14.56
	64-QAM	715.3	-2.40	1 / 0	23.66	19.11	0.081	34.77	-15.66
	256-QAM	699.7	-2.40	1 / 0	20.62	16.07	0.040	34.77	-18.70
3 MHz	QPSK	700.5	-2.40	1 / 0	25.22	20.67	0.117	34.77	-14.10
		707.5	-2.40	1 / 0	25.38	20.83	0.121	34.77	-13.94
		714.5	-2.40	1 / 0	25.40	20.85	0.122	34.77	-13.92
	16-QAM	714.5	-2.40	1 / 0	24.90	20.35	0.108	34.77	-14.42
	64-QAM	700.5	-2.40	1 / 0	23.69	19.14	0.082	34.77	-15.63
	256-QAM	714.5	-2.40	1 / 0	20.70	16.15	0.041	34.77	-18.62
5 MHz	QPSK	701.5	-2.40	1 / 0	25.53	20.98	0.125	34.77	-13.79
		707.5	-2.40	1 / 0	25.58	21.03	0.127	34.77	-13.74
		713.5	-2.40	1 / 0	25.48	20.93	0.124	34.77	-13.84
	16-QAM	707.5	-2.40	1 / 0	24.90	20.35	0.108	34.77	-14.42
	64-QAM	707.5	-2.40	1 / 0	23.72	19.17	0.083	34.77	-15.60
	256-QAM	713.5	-2.40	1 / 0	20.63	16.08	0.041	34.77	-18.69
10 MHz	QPSK	704.0	-2.40	1 / 49	25.29	20.74	0.119	34.77	-14.03
		707.5	-2.40	1 / 25	25.42	20.87	0.122	34.77	-13.90
		711.0	-2.40	1 / 25	25.46	20.91	0.123	34.77	-13.86
	16-QAM	711.0	-2.40	1 / 25	24.90	20.35	0.108	34.77	-14.42
	64-QAM	704.0	-2.40	1 / 25	23.70	19.15	0.082	34.77	-15.62
	256-QAM	711.0	-2.40	1 / 0	20.63	16.08	0.041	34.77	-18.69

Table 7-5. Antenna 3 ERP Data (LTE Band 12)

FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 17


Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	QPSK	706.5	-2.40	1 / 0	25.41	20.86	0.122	34.77	-13.91
		710.0	-2.40	1 / 12	25.38	20.83	0.121	34.77	-13.94
		713.5	-2.40	1 / 12	25.42	20.87	0.122	34.77	-13.90
	16-QAM	710.0	-2.40	1 / 24	24.63	20.08	0.102	34.77	-14.69
	64-QAM	710.0	-2.40	1 / 12	23.58	19.03	0.080	34.77	-15.74
	256-QAM	710.0	-2.40	1 / 12	20.55	16.00	0.040	34.77	-18.77
10 MHz	QPSK	709.0	-2.40	1 / 0	25.64	21.09	0.129	34.77	-13.68
		710.0	-2.40	1 / 49	25.69	21.14	0.130	34.77	-13.63
		711.0	-2.40	1 / 0	25.70	21.15	0.130	34.77	-13.62
	16-QAM	711.0	-2.40	1 / 25	24.61	20.06	0.101	34.77	-14.71
	64-QAM	709.0	-2.40	1 / 0	23.43	18.88	0.077	34.77	-15.89
	256-QAM	710.0	-2.40	1 / 49	20.80	16.25	0.042	34.77	-18.52

Table 7-6. Antenna 3 ERP Data (LTE Band 17)

LTE Band 13

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	QPSK	779.5	-1.80	1 / 0	25.55	21.60	0.145	34.77	-13.17
		782.0	-1.80	1 / 0	25.51	21.56	0.143	34.77	-13.21
		784.5	-1.80	1 / 0	25.28	21.33	0.136	34.77	-13.44
	16-QAM	782.0	-1.80	1 / 0	24.84	20.89	0.123	34.77	-13.88
	64-QAM	784.5	-1.80	1 / 0	23.70	19.75	0.094	34.77	-15.02
	256-QAM	782.0	-1.80	1 / 0	20.56	16.61	0.046	34.77	-18.16
10 MHz	QPSK	782.0	-1.80	1 / 49	25.31	21.36	0.137	34.77	-13.41
	16-QAM	782.0	-1.80	1 / 49	24.64	20.69	0.117	34.77	-14.08
	64-QAM	782.0	-1.80	1 / 25	23.47	19.52	0.090	34.77	-15.25
	256-QAM	782.0	-1.80	1 / 0	20.52	16.57	0.045	34.77	-18.20

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

FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dB]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1712.5	-0.30	1 / 12	23.92	23.62	0.230	30.00	-6.38
		1745.0	-0.30	1 / 1	23.99	23.69	0.234	30.00	-6.31
		1777.5	-0.30	1 / 1	23.80	23.50	0.224	30.00	-6.50
	QPSK	1712.5	-0.30	1 / 1	23.89	23.59	0.229	30.00	-6.41
		1745.0	-0.30	1 / 23	23.92	23.62	0.230	30.00	-6.38
		1777.5	-0.30	1 / 1	23.79	23.49	0.223	30.00	-6.51
	16-QAM	1745.0	-0.30	1 / 1	23.08	22.78	0.190	30.00	-7.22
64-QAM	1745.0	-0.30	1 / 23	21.55	21.25	0.133	30.00	-8.75	
256-QAM	1712.5	-0.30	1 / 12	19.49	19.19	0.083	30.00	-10.81	
10 MHz	π/2 BPSK	1715.0	-0.30	1 / 25	23.89	23.59	0.229	30.00	-6.41
		1745.0	-0.30	1 / 50	23.94	23.64	0.231	30.00	-6.36
		1775.0	-0.30	1 / 1	23.77	23.47	0.223	30.00	-6.53
	QPSK	1715.0	-0.30	1 / 1	23.87	23.57	0.228	30.00	-6.43
		1745.0	-0.30	1 / 25	23.86	23.56	0.227	30.00	-6.44
		1775.0	-0.30	1 / 1	23.76	23.46	0.222	30.00	-6.54
	16-QAM	1745.0	-0.30	1 / 1	23.21	22.91	0.195	30.00	-7.09
64-QAM	1745.0	-0.30	1 / 25	21.59	21.29	0.135	30.00	-8.71	
256-QAM	1745.0	-0.30	1 / 50	19.52	19.22	0.084	30.00	-10.78	
15 MHz	π/2 BPSK	1717.5	-0.30	1 / 1	24.13	23.83	0.242	30.00	-6.17
		1745.0	-0.30	1 / 1	24.13	23.83	0.241	30.00	-6.17
		1772.5	-0.30	1 / 1	23.95	23.65	0.232	30.00	-6.35
	QPSK	1717.5	-0.30	1 / 1	24.16	23.86	0.243	30.00	-6.14
		1745.0	-0.30	1 / 1	24.13	23.83	0.242	30.00	-6.17
		1772.5	-0.30	1 / 1	24.03	23.73	0.236	30.00	-6.27
	16-QAM	1717.5	-0.30	1 / 36	23.35	23.05	0.202	30.00	-6.95
64-QAM	1717.5	-0.30	1 / 1	21.83	21.53	0.142	30.00	-8.47	
256-QAM	1745.0	-0.30	1 / 1	19.63	19.33	0.086	30.00	-10.67	
20 MHz	π/2 BPSK	1720.0	-0.30	1 / 1	24.09	23.79	0.239	30.00	-6.21
		1745.0	-0.30	1 / 1	24.09	23.79	0.240	30.00	-6.21
		1770.0	-0.30	1 / 50	23.93	23.63	0.231	30.00	-6.37
	QPSK	1720.0	-0.30	1 / 1	24.13	23.83	0.241	30.00	-6.17
		1745.0	-0.30	1 / 1	24.08	23.78	0.239	30.00	-6.22
		1770.0	-0.30	1 / 50	23.91	23.61	0.230	30.00	-6.39
	16-QAM	1720.0	-0.30	1 / 50	23.26	22.96	0.198	30.00	-7.04
64-QAM	1745.0	-0.30	1 / 1	21.68	21.38	0.137	30.00	-8.62	
256-QAM	1720.0	-0.30	1 / 1	19.68	19.38	0.087	30.00	-10.62	
25 MHz	π/2 BPSK	1722.5	-0.30	1 / 1	24.16	23.86	0.243	30.00	-6.14
		1745.0	-0.30	1 / 1	24.11	23.81	0.240	30.00	-6.19
		1767.5	-0.30	1 / 1	24.12	23.82	0.241	30.00	-6.18
	QPSK	1722.5	-0.30	1 / 1	24.20	23.90	0.245	30.00	-6.10
		1745.0	-0.30	1 / 131	24.12	23.82	0.241	30.00	-6.18
		1767.5	-0.30	1 / 1	24.14	23.84	0.242	30.00	-6.16
	16-QAM	1722.5	-0.30	1 / 1	23.09	22.79	0.190	30.00	-7.21
64-QAM	1722.5	-0.30	1 / 131	21.92	21.62	0.145	30.00	-8.38	
256-QAM	1722.5	-0.30	1 / 1	19.80	19.50	0.089	30.00	-10.50	
30 MHz	π/2 BPSK	1725.0	-0.30	1 / 158	24.07	23.77	0.238	30.00	-6.23
		1745.0	-0.30	1 / 1	24.01	23.71	0.235	30.00	-6.29
		1765.0	-0.30	1 / 1	23.98	23.68	0.233	30.00	-6.32
	QPSK	1725.0	-0.30	1 / 1	24.00	23.70	0.234	30.00	-6.30
		1745.0	-0.30	1 / 1	23.93	23.63	0.231	30.00	-6.37
		1765.0	-0.30	1 / 1	23.91	23.61	0.229	30.00	-6.39
	16-QAM	1765.0	-0.30	1 / 80	23.03	22.73	0.187	30.00	-7.27
64-QAM	1725.0	-0.30	1 / 1	21.68	21.38	0.137	30.00	-8.62	
256-QAM	1725.0	-0.30	1 / 1	19.79	19.49	0.089	30.00	-10.51	
35 MHz	π/2 BPSK	1727.5	-0.30	1 / 1	24.20	23.90	0.245	30.00	-6.10
		1745.0	-0.30	1 / 1	24.13	23.83	0.242	30.00	-6.17
		1762.5	-0.30	1 / 1	24.15	23.85	0.242	30.00	-6.15
	QPSK	1725.0	-0.30	1 / 1	24.17	23.87	0.244	30.00	-6.13
		1745.0	-0.30	1 / 1	24.17	23.87	0.244	30.00	-6.13
		1765.0	-0.30	1 / 1	24.15	23.85	0.242	30.00	-6.15
	16-QAM	1745.0	-0.30	1 / 1	23.52	23.22	0.210	30.00	-6.78
64-QAM	1725.0	-0.30	1 / 1	21.76	21.46	0.140	30.00	-8.54	
256-QAM	1765.0	-0.30	1 / 1	19.67	19.37	0.087	30.00	-10.63	
40 MHz	π/2 BPSK	1730.0	-0.30	1 / 1	24.12	23.82	0.241	30.00	-6.18
		1745.0	-0.30	1 / 1	24.02	23.72	0.236	30.00	-6.28
		1760.0	-0.30	1 / 1	24.07	23.77	0.238	30.00	-6.23
	QPSK	1730.0	-0.30	1 / 1	24.09	23.79	0.239	30.00	-6.21
		1745.0	-0.30	1 / 108	24.05	23.75	0.237	30.00	-6.25
		1760.0	-0.30	1 / 1	23.96	23.66	0.232	30.00	-6.34
	16-QAM	1760.0	-0.30	1 / 108	23.38	23.08	0.203	30.00	-6.92
64-QAM	1760.0	-0.30	1 / 214	21.78	21.48	0.140	30.00	-8.52	
256-QAM	1730.0	-0.30	1 / 1	19.78	19.48	0.089	30.00	-10.52	


Table 7-8. Antenna 3 EIRP Data (NR Band n66)

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n70

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	1697.5	-0.70	1 / 1	25.11	24.41	0.276	30.00	-5.59
		1702.5	-0.70	1 / 1	25.02	24.32	0.270	30.00	-5.68
		1707.5	-0.70	1 / 1	25.06	24.36	0.273	30.00	-5.64
	QPSK	1697.5	-0.70	1 / 23	25.03	24.33	0.271	30.00	-5.67
		1702.5	-0.70	1 / 12	25.08	24.38	0.274	30.00	-5.62
		1707.5	-0.70	1 / 23	24.99	24.29	0.268	30.00	-5.71
	16-QAM	1702.5	-0.70	1 / 1	24.67	23.97	0.250	30.00	-6.03
	64-QAM	1697.5	-0.70	1 / 1	23.21	22.51	0.178	30.00	-7.49
256-QAM	1697.5	-0.70	1 / 1	21.04	20.34	0.108	30.00	-9.66	
10 MHz	π/2 BPSK	1697.5	-0.70	1 / 25	25.03	24.33	0.271	30.00	-5.67
		1702.5	-0.70	1 / 1	25.04	24.34	0.272	30.00	-5.66
		1707.5	-0.70	1 / 25	25.04	24.34	0.271	30.00	-5.66
	QPSK	1697.5	-0.70	1 / 50	25.02	24.32	0.271	30.00	-5.68
		1702.5	-0.70	1 / 25	25.02	24.32	0.271	30.00	-5.68
		1707.5	-0.70	1 / 25	25.01	24.31	0.270	30.00	-5.69
	16-QAM	1707.5	-0.70	1 / 1	24.60	23.90	0.245	30.00	-6.10
	64-QAM	1707.5	-0.70	1 / 1	23.17	22.47	0.176	30.00	-7.53
256-QAM	1707.5	-0.70	1 / 1	21.10	20.40	0.110	30.00	-9.60	
15 MHz	π/2 BPSK	1702.5	-0.70	1 / 1	25.07	24.37	0.274	30.00	-5.63
	QPSK	1702.5	-0.70	1 / 1	25.07	24.37	0.274	30.00	-5.63
	16-QAM	1702.5	-0.70	1 / 77	24.38	23.68	0.233	30.00	-6.32
	64-QAM	1702.5	-0.70	1 / 36	23.38	22.68	0.185	30.00	-7.32
	256-QAM	1702.5	-0.70	1 / 1	21.28	20.58	0.114	30.00	-9.42


Table 7-9. Antenna 3 EIRP Data (NR Band n70)

FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n71

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	665.5	-2.10	1 / 1	25.68	21.43	0.139	34.77	-13.34
		680.5	-2.10	1 / 12	25.53	21.28	0.134	34.77	-13.49
		695.5	-2.10	1 / 12	25.42	21.17	0.131	34.77	-13.60
	QPSK	665.5	-2.10	1 / 1	25.70	21.45	0.140	34.77	-13.32
		680.5	-2.10	1 / 1	25.46	21.21	0.132	34.77	-13.56
		695.5	-2.10	1 / 23	25.64	21.39	0.138	34.77	-13.38
	16-QAM	695.5	-2.10	1 / 23	25.02	20.77	0.119	34.77	-14.00
64-QAM	695.5	-2.10	1 / 23	23.40	19.15	0.082	34.77	-15.62	
256-QAM	695.5	-2.10	1 / 23	21.42	17.17	0.052	34.77	-17.60	
10 MHz	π/2 BPSK	668.0	-2.10	1 / 1	25.67	21.42	0.139	34.77	-13.35
		680.5	-2.10	1 / 1	25.62	21.37	0.137	34.77	-13.40
		693.0	-2.10	1 / 25	25.55	21.30	0.135	34.77	-13.47
	QPSK	668.0	-2.10	1 / 1	25.70	21.45	0.140	34.77	-13.32
		680.5	-2.10	1 / 1	25.56	21.31	0.135	34.77	-13.46
		693.0	-2.10	1 / 1	25.52	21.27	0.134	34.77	-13.50
	16-QAM	680.5	-2.10	1 / 1	24.90	20.65	0.116	34.77	-14.12
64-QAM	680.5	-2.10	1 / 1	23.46	19.21	0.083	34.77	-15.56	
256-QAM	668.0	-2.10	1 / 25	21.71	17.46	0.056	34.77	-17.32	
15 MHz	π/2 BPSK	670.5	-2.10	1 / 1	25.64	21.39	0.138	34.77	-13.39
		680.5	-2.10	1 / 1	25.45	21.20	0.132	34.77	-13.57
		690.5	-2.10	1 / 1	25.31	21.06	0.128	34.77	-13.71
	QPSK	670.5	-2.10	1 / 1	25.70	21.45	0.140	34.77	-13.32
		680.5	-2.10	1 / 1	25.53	21.28	0.134	34.77	-13.50
		690.5	-2.10	1 / 1	25.40	21.15	0.130	34.77	-13.62
	16-QAM	680.5	-2.10	1 / 1	24.72	20.47	0.112	34.77	-14.30
64-QAM	670.5	-2.10	1 / 36	23.45	19.20	0.083	34.77	-15.57	
256-QAM	680.5	-2.10	1 / 1	21.56	17.31	0.054	34.77	-17.46	
20 MHz	π/2 BPSK	673.0	-2.10	1 / 50	25.70	21.45	0.140	34.77	-13.32
		680.5	-2.10	1 / 1	25.63	21.38	0.138	34.77	-13.39
		688.0	-2.10	1 / 50	25.60	21.35	0.136	34.77	-13.42
	QPSK	673.0	-2.10	1 / 50	25.67	21.42	0.139	34.77	-13.35
		680.5	-2.10	1 / 1	25.60	21.35	0.137	34.77	-13.42
		688.0	-2.10	1 / 1	25.50	21.25	0.133	34.77	-13.52
	16-QAM	680.5	-2.10	1 / 1	24.70	20.45	0.111	34.77	-14.32
64-QAM	673.0	-2.10	1 / 104	23.60	19.35	0.086	34.77	-15.42	
256-QAM	673.0	-2.10	1 / 1	21.74	17.49	0.056	34.77	-17.28	

Table 7-10. Antenna 3 ERP Data (NR Band n71)

FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n12


Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	701.5	-2.40	1 / 1	25.60	21.05	0.127	34.77	-13.72
		707.5	-2.40	1 / 1	25.68	21.13	0.130	34.77	-13.64
		713.5	-2.40	1 / 12	25.59	21.04	0.127	34.77	-13.73
	QPSK	701.5	-2.40	1 / 1	25.66	21.11	0.129	34.77	-13.66
		707.5	-2.40	1 / 1	25.70	21.15	0.130	34.77	-13.62
		713.5	-2.40	1 / 12	25.66	21.11	0.129	34.77	-13.66
	16-QAM	713.5	-2.40	1 / 23	24.93	20.38	0.109	34.77	-14.40
	64-QAM	713.5	-2.40	1 / 12	23.35	18.80	0.076	34.77	-15.98
256-QAM	713.5	-2.40	1 / 1	21.51	16.96	0.050	34.77	-17.81	
10 MHz	π/2 BPSK	704.0	-2.40	1 / 1	25.51	20.96	0.125	34.77	-13.81
		707.5	-2.40	1 / 50	25.52	20.97	0.125	34.77	-13.80
		711.0	-2.40	1 / 25	25.60	21.05	0.127	34.77	-13.72
	QPSK	704.0	-2.40	1 / 1	25.54	20.99	0.126	34.77	-13.78
		707.5	-2.40	1 / 1	25.63	21.08	0.128	34.77	-13.69
		711.0	-2.40	1 / 1	25.70	21.15	0.130	34.77	-13.62
	16-QAM	707.5	-2.40	1 / 1	24.59	20.04	0.101	34.77	-14.74
	64-QAM	711.0	-2.40	1 / 1	23.48	18.93	0.078	34.77	-15.84
256-QAM	707.5	-2.40	1 / 25	21.49	16.94	0.049	34.77	-17.83	
15 MHz	π/2 BPSK	706.5	-2.40	1 / 1	25.70	21.15	0.130	34.77	-13.62
		707.5	-2.40	1 / 1	25.70	21.15	0.130	34.77	-13.62
		708.5	-2.40	1 / 77	25.69	21.14	0.130	34.77	-13.63
	QPSK	706.5	-2.40	1 / 1	25.64	21.09	0.129	34.77	-13.68
		707.5	-2.40	1 / 1	25.55	21.00	0.126	34.77	-13.77
		708.5	-2.40	1 / 1	25.68	21.13	0.130	34.77	-13.65
	16-QAM	706.5	-2.40	1 / 1	24.76	20.21	0.105	34.77	-14.56
	64-QAM	707.5	-2.40	1 / 1	23.53	18.98	0.079	34.77	-15.79
256-QAM	707.5	-2.40	1 / 1	21.69	17.14	0.052	34.77	-17.63	

Table 7-11. Antenna 3 ERP Data (NR Band n12)

WCDMA AWS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	25.03	-0.30	24.73	0.297	30.00	-5.27
1732.60	WCDMA1700	25.12	-0.30	24.82	0.303	30.00	-5.18
1752.60	WCDMA1700	25.11	-0.30	24.81	0.303	30.00	-5.19

Table 7-12. Antenna 3 EIRP Data (WCDMA AWS)


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7.6.2 Antenna 1 – ERP/EIRP

LTE Band 66

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	1710.7	-2.00	1 / 0	25.66	23.66	0.232	30.00	-6.34
		1745.0	-2.00	1 / 0	25.60	23.60	0.229	30.00	-6.40
		1779.3	-2.00	1 / 0	25.47	23.47	0.222	30.00	-6.53
	16-QAM	1745.0	-2.00	1 / 5	24.89	22.89	0.195	30.00	-7.11
	64-QAM	1710.7	-2.00	1 / 0	23.86	21.86	0.153	30.00	-8.14
	256-QAM	1710.7	-2.00	1 / 0	20.70	18.70	0.074	30.00	-11.30
3 MHz	QPSK	1711.5	-2.00	1 / 0	25.58	23.58	0.228	30.00	-6.42
		1745.0	-2.00	1 / 0	25.65	23.65	0.232	30.00	-6.35
		1778.5	-2.00	1 / 0	25.50	23.50	0.224	30.00	-6.50
	16-QAM	1778.5	-2.00	1 / 0	24.95	22.95	0.197	30.00	-7.05
	64-QAM	1711.5	-2.00	1 / 0	23.89	21.89	0.155	30.00	-8.11
	256-QAM	1778.5	-2.00	1 / 0	20.79	18.79	0.076	30.00	-11.21
5 MHz	QPSK	1712.5	-2.00	1 / 0	25.65	23.65	0.232	30.00	-6.35
		1745.0	-2.00	1 / 0	25.66	23.66	0.232	30.00	-6.34
		1777.5	-2.00	1 / 0	25.43	23.43	0.220	30.00	-6.57
	16-QAM	1745.0	-2.00	1 / 24	24.96	22.96	0.198	30.00	-7.04
	64-QAM	1745.0	-2.00	1 / 0	23.86	21.86	0.153	30.00	-8.14
	256-QAM	1712.5	-2.00	1 / 0	20.78	18.78	0.076	30.00	-11.22
10 MHz	QPSK	1715.0	-2.00	1 / 25	25.48	23.48	0.223	30.00	-6.52
		1745.0	-2.00	1 / 0	25.60	23.60	0.229	30.00	-6.40
		1775.0	-2.00	1 / 25	25.54	23.54	0.226	30.00	-6.46
	16-QAM	1775.0	-2.00	1 / 25	24.93	22.93	0.196	30.00	-7.07
	64-QAM	1715.0	-2.00	1 / 0	23.87	21.87	0.154	30.00	-8.13
	256-QAM	1775.0	-2.00	1 / 0	20.81	18.81	0.076	30.00	-11.19
15 MHz	QPSK	1717.5	-2.00	1 / 0	25.44	23.44	0.221	30.00	-6.56
		1745.0	-2.00	1 / 74	25.47	23.47	0.222	30.00	-6.53
		1772.5	-2.00	1 / 0	25.36	23.36	0.217	30.00	-6.64
	16-QAM	1745.0	-2.00	1 / 0	24.87	22.87	0.194	30.00	-7.13
	64-QAM	1717.5	-2.00	1 / 74	23.74	21.74	0.149	30.00	-8.26
	256-QAM	1717.5	-2.00	1 / 0	20.55	18.55	0.072	30.00	-11.45
20 MHz	QPSK	1720.0	-2.00	1 / 99	25.27	23.27	0.212	30.00	-6.73
		1745.0	-2.00	1 / 0	25.10	23.10	0.204	30.00	-6.90
		1770.0	-2.00	1 / 0	25.39	23.39	0.218	30.00	-6.61
	16-QAM	1745.0	-2.00	1 / 0	24.77	22.77	0.189	30.00	-7.23
	64-QAM	1720.0	-2.00	1 / 0	23.74	21.74	0.149	30.00	-8.26
	256-QAM	1745.0	-2.00	1 / 99	20.53	18.53	0.071	30.00	-11.47


Table 7-13. Antenna 1 EIRP Data (LTE Band 66)

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LTE Band 4

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	1710.7	-2.00	1 / 5	25.59	23.59	0.229	30.00	-6.41
		1732.5	-2.00	1 / 0	25.63	23.63	0.231	30.00	-6.37
		1754.3	-2.00	1 / 5	25.51	23.51	0.224	30.00	-6.49
	16-QAM	1732.5	-2.00	1 / 0	24.87	22.87	0.194	30.00	-7.13
	64-QAM	1710.7	-2.00	1 / 0	23.79	21.79	0.151	30.00	-8.21
	256-QAM	1754.3	-2.00	1 / 3	20.65	18.65	0.073	30.00	-11.35
3 MHz	QPSK	1711.5	-2.00	1 / 0	25.55	23.55	0.226	30.00	-6.45
		1732.5	-2.00	1 / 0	25.64	23.64	0.231	30.00	-6.36
		1753.5	-2.00	1 / 0	25.49	23.49	0.223	30.00	-6.51
	16-QAM	1753.5	-2.00	1 / 0	24.96	22.96	0.198	30.00	-7.04
	64-QAM	1711.5	-2.00	1 / 0	23.72	21.72	0.149	30.00	-8.28
	256-QAM	1753.5	-2.00	1 / 0	20.78	18.78	0.076	30.00	-11.22
5 MHz	QPSK	1712.5	-2.00	1 / 0	25.63	23.63	0.231	30.00	-6.37
		1732.5	-2.00	1 / 0	25.69	23.69	0.234	30.00	-6.31
		1752.5	-2.00	1 / 0	25.51	23.51	0.224	30.00	-6.49
	16-QAM	1732.5	-2.00	1 / 0	25.03	23.03	0.201	30.00	-6.97
	64-QAM	1732.5	-2.00	1 / 0	23.94	21.94	0.156	30.00	-8.06
	256-QAM	1712.5	-2.00	1 / 24	20.75	18.75	0.075	30.00	-11.25
10 MHz	QPSK	1715.0	-2.00	1 / 0	25.42	23.42	0.220	30.00	-6.58
		1732.5	-2.00	1 / 49	25.67	23.67	0.233	30.00	-6.33
		1750.0	-2.00	1 / 0	25.54	23.54	0.226	30.00	-6.46
	16-QAM	1750.0	-2.00	1 / 0	25.03	23.03	0.201	30.00	-6.97
	64-QAM	1715.0	-2.00	1 / 0	23.89	21.89	0.155	30.00	-8.11
	256-QAM	1732.5	-2.00	1 / 0	20.74	18.74	0.075	30.00	-11.26
15 MHz	QPSK	1717.5	-2.00	1 / 0	25.43	23.43	0.220	30.00	-6.57
		1732.5	-2.00	1 / 0	25.57	23.57	0.228	30.00	-6.43
		1747.5	-2.00	1 / 0	25.36	23.36	0.217	30.00	-6.64
	16-QAM	1747.5	-2.00	1 / 37	24.83	22.83	0.192	30.00	-7.17
	64-QAM	1717.5	-2.00	1 / 0	23.82	21.82	0.152	30.00	-8.18
	256-QAM	1732.5	-2.00	1 / 74	20.64	18.64	0.073	30.00	-11.36
20 MHz	QPSK	1720.0	-2.00	1 / 0	25.29	23.29	0.213	30.00	-6.71
		1732.5	-2.00	1 / 0	25.10	23.10	0.204	30.00	-6.90
		1745.0	-2.00	1 / 0	25.43	23.43	0.220	30.00	-6.57
	16-QAM	1745.0	-2.00	1 / 0	24.84	22.84	0.192	30.00	-7.16
	64-QAM	1745.0	-2.00	1 / 0	23.77	21.77	0.150	30.00	-8.23
	256-QAM	1732.5	-2.00	1 / 99	20.56	18.56	0.072	30.00	-11.44


Table 7-14. Antenna 1 EIRP Data (LTE Band 4)

FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 71

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	QPSK	665.5	-1.50	1 / 0	23.65	20.00	0.100	34.77	-14.77
		680.5	-1.50	1 / 0	23.79	20.14	0.103	34.77	-14.63
		695.5	-1.50	1 / 0	23.67	20.02	0.100	34.77	-14.75
	16-QAM	680.5	-1.50	1 / 0	23.23	19.58	0.091	34.77	-15.19
	64-QAM	680.5	-1.50	1 / 0	22.06	18.41	0.069	34.77	-16.36
256-QAM	695.5	-1.50	1 / 0	18.83	15.18	0.033	34.77	-19.59	
10 MHz	QPSK	668.0	-1.50	1 / 25	23.61	19.96	0.099	34.77	-14.81
		680.5	-1.50	1 / 49	23.72	20.07	0.102	34.77	-14.70
		693.0	-1.50	1 / 0	23.82	20.17	0.104	34.77	-14.60
	16-QAM	693.0	-1.50	1 / 0	23.12	19.47	0.089	34.77	-15.30
	64-QAM	693.0	-1.50	1 / 0	21.88	18.23	0.067	34.77	-16.54
	256-QAM	693.0	-1.50	1 / 0	19.01	15.36	0.034	34.77	-19.41
15 MHz	QPSK	670.5	-1.50	1 / 0	23.51	19.86	0.097	34.77	-14.91
		680.5	-1.50	1 / 0	23.55	19.90	0.098	34.77	-14.87
		690.5	-1.50	1 / 0	23.60	19.95	0.099	34.77	-14.82
	16-QAM	690.5	-1.50	1 / 0	22.90	19.25	0.084	34.77	-15.52
	64-QAM	670.5	-1.50	1 / 0	21.79	18.14	0.065	34.77	-16.63
	256-QAM	680.5	-1.50	1 / 74	18.70	15.05	0.032	34.77	-19.72
20 MHz	QPSK	673.0	-1.50	1 / 0	23.79	20.14	0.103	34.77	-14.63
		680.5	-1.50	1 / 0	23.68	20.03	0.101	34.77	-14.74
		688.0	-1.50	1 / 0	23.66	20.01	0.100	34.77	-14.76
	16-QAM	688.0	-1.50	1 / 0	23.05	19.40	0.087	34.77	-15.37
	64-QAM	688.0	-1.50	1 / 0	21.98	18.33	0.068	34.77	-16.44
	256-QAM	688.0	-1.50	1 / 0	18.79	15.14	0.033	34.77	-19.63


Table 7-15. Antenna 1 ERP Data (LTE Band 71)

FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 12

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	699.7	-1.60	1 / 3	23.54	19.79	0.095	34.77	-14.98
		707.5	-1.60	1 / 0	23.70	19.95	0.099	34.77	-14.82
		715.3	-1.60	1 / 0	23.73	19.98	0.100	34.77	-14.79
	16-QAM	707.5	-1.60	1 / 0	22.91	19.16	0.082	34.77	-15.61
	64-QAM	699.7	-1.60	1 / 0	21.81	18.06	0.064	34.77	-16.71
	256-QAM	715.3	-1.60	1 / 0	18.70	14.95	0.031	34.77	-19.82
3 MHz	QPSK	700.5	-1.60	1 / 0	23.59	19.84	0.096	34.77	-14.93
		707.5	-1.60	1 / 0	23.68	19.93	0.098	34.77	-14.84
		714.5	-1.60	1 / 14	23.50	19.75	0.094	34.77	-15.02
	16-QAM	714.5	-1.60	1 / 0	22.94	19.19	0.083	34.77	-15.58
	64-QAM	700.5	-1.60	1 / 0	21.87	18.12	0.065	34.77	-16.65
	256-QAM	707.5	-1.60	1 / 0	18.91	15.16	0.033	34.77	-19.61
5 MHz	QPSK	701.5	-1.60	1 / 0	23.79	20.04	0.101	34.77	-14.73
		707.5	-1.60	1 / 0	23.79	20.04	0.101	34.77	-14.73
		713.5	-1.60	1 / 0	23.55	19.80	0.095	34.77	-14.97
	16-QAM	701.5	-1.60	1 / 0	23.01	19.26	0.084	34.77	-15.51
	64-QAM	707.5	-1.60	1 / 12	22.00	18.25	0.067	34.77	-16.52
	256-QAM	713.5	-1.60	1 / 0	18.81	15.06	0.032	34.77	-19.71
10 MHz	QPSK	704.0	-1.60	1 / 49	23.47	19.72	0.094	34.77	-15.05
		707.5	-1.60	1 / 25	23.67	19.92	0.098	34.77	-14.85
		711.0	-1.60	1 / 25	23.67	19.92	0.098	34.77	-14.85
	16-QAM	711.0	-1.60	1 / 25	22.98	19.23	0.084	34.77	-15.54
	64-QAM	711.0	-1.60	1 / 0	21.88	18.13	0.065	34.77	-16.64
	256-QAM	711.0	-1.60	1 / 0	18.78	15.03	0.032	34.77	-19.74

Table 7-16. Antenna 1 ERP Data (LTE Band 12)

FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 17


Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	
5 MHz	QPSK	706.5	-1.60	1 / 0	23.82	20.07	0.102	34.77	-14.70	
		710.0	-1.60	1 / 0	23.73	19.98	0.100	34.77	-14.79	
		713.5	-1.60	1 / 0	23.57	19.82	0.096	34.77	-14.95	
	10 MHz	16-QAM	706.5	-1.60	1 / 0	23.06	19.31	0.085	34.77	-15.46
		64-QAM	710.0	-1.60	1 / 0	21.89	18.14	0.065	34.77	-16.63
		256-QAM	710.0	-1.60	1 / 0	18.74	14.99	0.032	34.77	-19.78
QPSK		709.0	-1.60	1 / 0	23.52	19.77	0.095	34.77	-15.00	
		710.0	-1.60	1 / 49	23.59	19.84	0.096	34.77	-14.93	
		711.0	-1.60	1 / 25	23.64	19.89	0.097	34.77	-14.88	
16-QAM	711.0	-1.60	1 / 49	22.95	19.20	0.083	34.77	-15.57		
64-QAM	709.0	-1.60	1 / 25	21.85	18.10	0.065	34.77	-16.67		
256-QAM	711.0	-1.60	1 / 0	18.79	15.04	0.032	34.77	-19.73		

Table 7-17. Antenna 1 ERP Data (LTE Band 17)

LTE Band 13

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	
5 MHz	QPSK	779.5	-1.40	1 / 0	23.75	20.20	0.105	34.77	-14.57	
		782.0	-1.40	1 / 0	23.64	20.09	0.102	34.77	-14.68	
		784.5	-1.40	1 / 0	23.51	19.96	0.099	34.77	-14.81	
	10 MHz	16-QAM	782.0	-1.40	1 / 0	22.91	19.36	0.086	34.77	-15.41
		64-QAM	784.5	-1.40	1 / 12	21.86	18.31	0.068	34.77	-16.46
		256-QAM	779.5	-1.40	1 / 0	18.69	15.14	0.033	34.77	-19.63
QPSK		782.0	-1.40	1 / 49	23.66	20.11	0.103	34.77	-14.66	
16-QAM		782.0	-1.40	1 / 49	22.91	19.36	0.086	34.77	-15.41	
64-QAM		782.0	-1.40	1 / 49	21.74	18.19	0.066	34.77	-16.58	
256-QAM	782.0	-1.40	1 / 0	18.78	15.23	0.033	34.77	-19.54		

Table 7-18. Antenna 1 ERP Data (LTE Band 13)

FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	1712.5	-2.00	1 / 12	25.66	23.66	0.233	30.00	-6.34
		1745.0	-2.00	1 / 12	25.70	23.70	0.234	30.00	-6.30
		1777.5	-2.00	1 / 12	25.47	23.47	0.222	30.00	-6.53
	QPSK	1712.5	-2.00	1 / 1	25.68	23.68	0.233	30.00	-6.32
		1745.0	-2.00	1 / 1	25.69	23.69	0.234	30.00	-6.31
		1777.5	-2.00	1 / 12	25.70	23.70	0.234	30.00	-6.30
	16-QAM	1745.0	-2.00	1 / 12	24.75	22.75	0.188	30.00	-7.25
64-QAM	1745.0	-2.00	1 / 1	23.52	21.52	0.142	30.00	-8.48	
256-QAM	1745.0	-2.00	1 / 23	21.40	19.40	0.087	30.00	-10.60	
10 MHz	π/2 BPSK	1715.0	-2.00	1 / 1	25.70	23.70	0.234	30.00	-6.30
		1745.0	-2.00	1 / 25	25.66	23.66	0.232	30.00	-6.34
		1775.0	-2.00	1 / 1	25.59	23.59	0.229	30.00	-6.41
	QPSK	1715.0	-2.00	1 / 50	25.66	23.66	0.232	30.00	-6.34
		1745.0	-2.00	1 / 25	25.70	23.70	0.234	30.00	-6.30
		1775.0	-2.00	1 / 50	25.60	23.60	0.229	30.00	-6.40
	16-QAM	1715.0	-2.00	1 / 25	24.70	22.70	0.186	30.00	-7.30
64-QAM	1745.0	-2.00	1 / 50	23.26	21.26	0.134	30.00	-8.74	
256-QAM	1715.0	-2.00	1 / 50	21.33	19.33	0.086	30.00	-10.67	
15 MHz	π/2 BPSK	1717.5	-2.00	1 / 1	25.62	23.62	0.230	30.00	-6.38
		1745.0	-2.00	1 / 1	25.58	23.58	0.228	30.00	-6.42
		1772.5	-2.00	1 / 1	25.47	23.47	0.222	30.00	-6.53
	QPSK	1717.5	-2.00	1 / 77	25.68	23.68	0.234	30.00	-6.32
		1745.0	-2.00	1 / 1	25.70	23.70	0.234	30.00	-6.30
		1772.5	-2.00	1 / 1	25.53	23.53	0.226	30.00	-6.47
	16-QAM	1717.5	-2.00	1 / 1	24.83	22.83	0.192	30.00	-7.17
64-QAM	1745.0	-2.00	1 / 1	23.60	21.60	0.144	30.00	-8.40	
256-QAM	1772.5	-2.00	1 / 1	21.27	19.27	0.084	30.00	-10.73	
20 MHz	π/2 BPSK	1720.0	-2.00	1 / 1	25.68	23.68	0.234	30.00	-6.32
		1745.0	-2.00	1 / 1	25.66	23.66	0.232	30.00	-6.34
		1770.0	-2.00	1 / 50	25.66	23.66	0.233	30.00	-6.34
	QPSK	1720.0	-2.00	1 / 1	25.62	23.62	0.230	30.00	-6.38
		1745.0	-2.00	1 / 1	25.70	23.70	0.234	30.00	-6.30
		1770.0	-2.00	1 / 1	25.67	23.67	0.233	30.00	-6.33
	16-QAM	1720.0	-2.00	1 / 1	24.99	22.99	0.199	30.00	-7.01
64-QAM	1770.0	-2.00	1 / 104	23.65	21.65	0.146	30.00	-8.35	
256-QAM	1720.0	-2.00	1 / 104	21.38	19.38	0.087	30.00	-10.62	
25 MHz	π/2 BPSK	1722.5	-2.00	1 / 1	25.58	23.58	0.228	30.00	-6.42
		1745.0	-2.00	1 / 64	25.68	23.68	0.233	30.00	-6.32
		1767.5	-2.00	1 / 131	25.63	23.63	0.231	30.00	-6.37
	QPSK	1722.5	-2.00	1 / 1	25.70	23.70	0.234	30.00	-6.30
		1745.0	-2.00	1 / 1	25.61	23.61	0.230	30.00	-6.39
		1767.5	-2.00	1 / 64	25.49	23.49	0.223	30.00	-6.51
	16-QAM	1745.0	-2.00	1 / 1	24.71	22.71	0.187	30.00	-7.29
64-QAM	1767.5	-2.00	1 / 64	23.65	21.65	0.146	30.00	-8.35	
256-QAM	1722.5	-2.00	1 / 1	21.37	19.37	0.087	30.00	-10.63	
30 MHz	π/2 BPSK	1725.0	-2.00	1 / 158	25.68	23.68	0.233	30.00	-6.32
		1745.0	-2.00	1 / 1	25.70	23.70	0.234	30.00	-6.30
		1765.0	-2.00	1 / 1	25.64	23.64	0.231	30.00	-6.36
	QPSK	1725.0	-2.00	1 / 158	25.68	23.68	0.234	30.00	-6.32
		1745.0	-2.00	1 / 1	25.66	23.66	0.232	30.00	-6.34
		1765.0	-2.00	1 / 1	25.67	23.67	0.233	30.00	-6.33
	16-QAM	1745.0	-2.00	1 / 1	24.97	22.97	0.198	30.00	-7.03
64-QAM	1725.0	-2.00	1 / 158	23.47	21.47	0.140	30.00	-8.53	
256-QAM	1765.0	-2.00	1 / 0	21.43	19.43	0.088	30.00	-10.57	
35 MHz	π/2 BPSK	1727.5	-2.00	1 / 93	25.70	23.70	0.234	30.00	-6.30
		1745.0	-2.00	1 / 1	25.64	23.64	0.231	30.00	-6.36
		1762.5	-2.00	1 / 1	25.65	23.65	0.231	30.00	-6.35
	QPSK	1725.0	-2.00	1 / 1	25.65	23.65	0.232	30.00	-6.35
		1745.0	-2.00	1 / 1	25.70	23.70	0.234	30.00	-6.30
		1765.0	-2.00	1 / 1	25.56	23.56	0.227	30.00	-6.44
	16-QAM	1745.0	-2.00	1 / 93	24.98	22.98	0.199	30.00	-7.02
64-QAM	1765.0	-2.00	1 / 186	23.40	21.40	0.138	30.00	-8.60	
256-QAM	1745.0	-2.00	1 / 186	21.58	19.58	0.091	30.00	-10.42	
40 MHz	π/2 BPSK	1730.0	-2.00	1 / 108	25.68	23.68	0.233	30.00	-6.32
		1745.0	-2.00	1 / 214	25.69	23.69	0.234	30.00	-6.31
		1760.0	-2.00	1 / 214	25.65	23.65	0.232	30.00	-6.35
	QPSK	1730.0	-2.00	1 / 108	25.70	23.70	0.234	30.00	-6.30
		1745.0	-2.00	1 / 108	25.70	23.70	0.234	30.00	-6.30
		1760.0	-2.00	1 / 1	25.67	23.67	0.233	30.00	-6.33
	16-QAM	1745.0	-2.00	1 / 1	24.68	22.68	0.185	30.00	-7.32
64-QAM	1760.0	-2.00	1 / 108	23.60	21.60	0.145	30.00	-8.40	
256-QAM	1730.0	-2.00	1 / 214	21.59	19.59	0.091	30.00	-10.41	


Table 7-19. Antenna 1 EIRP Data (NR Band n66)

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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	EUT Type: Tablet Device	

NR Band n70

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	1697.5	-4.80	1 / 1	25.65	20.85	0.122	30.00	-9.15
		1702.5	-4.80	1 / 1	25.62	20.82	0.121	30.00	-9.18
		1707.5	-4.80	1 / 12	25.64	20.84	0.121	30.00	-9.16
	QPSK	1697.5	-4.80	1 / 1	25.59	20.79	0.120	30.00	-9.21
		1702.5	-4.80	1 / 1	25.69	20.89	0.123	30.00	-9.11
		1707.5	-4.80	1 / 1	25.62	20.82	0.121	30.00	-9.18
	16-QAM	1702.5	-4.80	1 / 23	24.82	20.02	0.100	30.00	-9.98
	64-QAM	1697.5	-4.80	1 / 23	23.24	18.44	0.070	30.00	-11.56
256-QAM	1702.5	-4.80	1 / 12	21.11	16.31	0.043	30.00	-13.69	
10 MHz	π/2 BPSK	1697.5	-4.80	1 / 1	25.66	20.86	0.122	30.00	-9.14
		1702.5	-4.80	1 / 25	25.66	20.86	0.122	30.00	-9.14
		1707.5	-4.80	1 / 25	25.64	20.84	0.121	30.00	-9.16
	QPSK	1697.5	-4.80	1 / 25	25.63	20.83	0.121	30.00	-9.17
		1702.5	-4.80	1 / 1	25.62	20.82	0.121	30.00	-9.18
		1707.5	-4.80	1 / 25	25.70	20.90	0.123	30.00	-9.10
	16-QAM	1707.5	-4.80	1 / 50	24.90	20.10	0.102	30.00	-9.90
	64-QAM	1697.5	-4.80	1 / 1	23.50	18.70	0.074	30.00	-11.30
256-QAM	1697.5	-4.80	1 / 1	21.17	16.37	0.043	30.00	-13.63	
15 MHz	π/2 BPSK	1702.5	-4.80	1 / 1	25.63	20.83	0.121	30.00	-9.17
	QPSK	1702.5	-4.80	1 / 36	25.70	20.90	0.123	30.00	-9.10
	16-QAM	1702.5	-4.80	1 / 1	24.73	19.93	0.098	30.00	-10.07
	64-QAM	1702.5	-4.80	1 / 1	23.34	18.54	0.071	30.00	-11.46
	256-QAM	1702.5	-4.80	1 / 36	21.25	16.45	0.044	30.00	-13.55


Table 7-20. Antenna 1 EIRP Data (NR Band n70)

FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 286 of 345

NR Band n71

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	665.5	-1.50	1 / 1	23.88	20.23	0.105	34.77	-14.54
		680.5	-1.50	1 / 1	23.67	20.02	0.100	34.77	-14.75
		695.5	-1.50	1 / 12	23.65	20.00	0.100	34.77	-14.77
	QPSK	665.5	-1.50	1 / 1	23.90	20.25	0.106	34.77	-14.52
		680.5	-1.50	1 / 12	23.68	20.03	0.101	34.77	-14.74
		695.5	-1.50	1 / 12	23.66	20.01	0.100	34.77	-14.76
	16-QAM	665.5	-1.50	1 / 1	22.98	19.33	0.086	34.77	-15.44
	64-QAM	665.5	-1.50	1 / 23	21.71	18.06	0.064	34.77	-16.71
256-QAM	695.5	-1.50	1 / 12	19.77	16.12	0.041	34.77	-18.65	
10 MHz	π/2 BPSK	668.0	-1.50	1 / 1	23.81	20.16	0.104	34.77	-14.61
		680.5	-1.50	1 / 50	23.66	20.01	0.100	34.77	-14.76
		693.0	-1.50	1 / 1	23.72	20.07	0.102	34.77	-14.71
	QPSK	668.0	-1.50	1 / 1	23.79	20.14	0.103	34.77	-14.63
		680.5	-1.50	1 / 50	23.90	20.25	0.106	34.77	-14.52
		693.0	-1.50	1 / 1	23.69	20.04	0.101	34.77	-14.73
	16-QAM	693.0	-1.50	1 / 1	22.99	19.34	0.086	34.77	-15.43
	64-QAM	668.0	-1.50	1 / 25	21.66	18.01	0.063	34.77	-16.76
256-QAM	668.0	-1.50	1 / 25	19.63	15.98	0.040	34.77	-18.79	
15 MHz	π/2 BPSK	670.5	-1.50	1 / 1	23.86	20.21	0.105	34.77	-14.56
		680.5	-1.50	1 / 1	23.74	20.09	0.102	34.77	-14.68
		690.5	-1.50	1 / 36	23.63	19.98	0.100	34.77	-14.79
	QPSK	670.5	-1.50	1 / 1	23.90	20.25	0.106	34.77	-14.52
		680.5	-1.50	1 / 1	23.82	20.17	0.104	34.77	-14.60
		690.5	-1.50	1 / 1	23.64	19.99	0.100	34.77	-14.78
	16-QAM	680.5	-1.50	1 / 36	23.08	19.43	0.088	34.77	-15.34
	64-QAM	670.5	-1.50	1 / 1	21.93	18.28	0.067	34.77	-16.49
256-QAM	670.5	-1.50	1 / 36	20.04	16.39	0.044	34.77	-18.38	
20 MHz	π/2 BPSK	673.0	-1.50	1 / 1	23.90	20.25	0.106	34.77	-14.52
		680.5	-1.50	1 / 50	23.69	20.04	0.101	34.77	-14.73
		688.0	-1.50	1 / 50	23.71	20.06	0.101	34.77	-14.71
	QPSK	673.0	-1.50	1 / 1	23.77	20.12	0.103	34.77	-14.65
		680.5	-1.50	1 / 1	23.80	20.15	0.104	34.77	-14.62
		688.0	-1.50	1 / 1	23.76	20.11	0.103	34.77	-14.66
	16-QAM	680.5	-1.50	1 / 1	23.07	19.42	0.088	34.77	-15.35
	64-QAM	673.0	-1.50	1 / 50	21.80	18.15	0.065	34.77	-16.62
256-QAM	673.0	-1.50	1 / 1	19.79	16.14	0.041	34.77	-18.63	

Table 7-21. Antenna 1 ERP Data (NR Band n71)

FCC ID: BCGA2837		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n12

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	701.5	-1.60	1 / 1	23.90	20.15	0.104	34.77	-14.62
		707.5	-1.60	1 / 23	23.66	19.91	0.098	34.77	-14.86
		713.5	-1.60	1 / 1	23.79	20.04	0.101	34.77	-14.73
	QPSK	701.5	-1.60	1 / 12	23.89	20.14	0.103	34.77	-14.64
		707.5	-1.60	1 / 1	23.73	19.98	0.100	34.77	-14.79
		713.5	-1.60	1 / 23	23.79	20.04	0.101	34.77	-14.73
	16-QAM	713.5	-1.60	1 / 1	23.22	19.47	0.088	34.77	-15.31
	64-QAM	701.5	-1.60	1 / 12	21.65	17.90	0.062	34.77	-16.87
256-QAM	707.5	-1.60	1 / 23	19.68	15.93	0.039	34.77	-18.84	
10 MHz	π/2 BPSK	704.0	-1.60	1 / 1	23.90	20.15	0.104	34.77	-14.62
		707.5	-1.60	1 / 1	23.85	20.10	0.102	34.77	-14.67
		711.0	-1.60	1 / 50	23.86	20.11	0.103	34.77	-14.66
	QPSK	704.0	-1.60	1 / 25	23.89	20.14	0.103	34.77	-14.63
		707.5	-1.60	1 / 1	23.86	20.11	0.103	34.77	-14.66
		711.0	-1.60	1 / 50	23.77	20.02	0.101	34.77	-14.75
	16-QAM	704.0	-1.60	1 / 25	22.91	19.16	0.082	34.77	-15.62
	64-QAM	704.0	-1.60	1 / 1	21.81	18.06	0.064	34.77	-16.71
256-QAM	707.5	-1.60	1 / 50	19.93	16.18	0.042	34.77	-18.59	
15 MHz	π/2 BPSK	706.5	-1.60	1 / 1	23.79	20.04	0.101	34.77	-14.73
		707.5	-1.60	1 / 1	23.84	20.09	0.102	34.77	-14.68
		708.5	-1.60	1 / 1	23.84	20.09	0.102	34.77	-14.69
	QPSK	706.5	-1.60	1 / 1	23.90	20.15	0.104	34.77	-14.62
		707.5	-1.60	1 / 1	23.86	20.11	0.103	34.77	-14.66
		708.5	-1.60	1 / 1	23.86	20.11	0.102	34.77	-14.67
	16-QAM	706.5	-1.60	1 / 36	23.23	19.48	0.089	34.77	-15.29
	64-QAM	706.5	-1.60	1 / 36	21.87	18.12	0.065	34.77	-16.65
256-QAM	708.5	-1.60	1 / 1	20.03	16.28	0.042	34.77	-18.49	

Table 7-22. Antenna 1 ERP Data (NR Band n12)

WCDMA AWS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	22.62	-2.00	20.62	0.115	30.00	-9.38
1732.60	WCDMA1700	22.55	-2.00	20.55	0.114	30.00	-9.45
1752.60	WCDMA1700	22.49	-2.00	20.49	0.112	30.00	-9.51

Table 7-23. Antenna 1 EIRP Data (WCDMA AWS)


FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.6.3 Antenna 4b – EIRP

LTE Band 66

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	1710.7	-2.70	1 / 0	24.15	21.45	0.140	30.00	-8.55
		1745.0	-2.70	1 / 0	24.16	21.46	0.140	30.00	-8.54
		1779.3	-2.70	1 / 3	24.00	21.30	0.135	30.00	-8.70
	16-QAM	1745.0	-2.70	1 / 0	23.40	20.70	0.117	30.00	-9.30
	64-QAM	1779.3	-2.70	1 / 5	22.37	19.67	0.093	30.00	-10.33
256-QAM	1779.3	-2.70	1 / 3	19.20	16.50	0.045	30.00	-13.50	
3 MHz	QPSK	1711.5	-2.70	1 / 0	23.99	21.29	0.135	30.00	-8.71
		1745.0	-2.70	1 / 0	24.09	21.39	0.138	30.00	-8.61
		1778.5	-2.70	1 / 0	24.09	21.39	0.138	30.00	-8.61
	16-QAM	1778.5	-2.70	1 / 7	23.46	20.76	0.119	30.00	-9.24
	64-QAM	1711.5	-2.70	1 / 0	22.38	19.68	0.093	30.00	-10.32
256-QAM	1778.5	-2.70	1 / 0	19.33	16.63	0.046	30.00	-13.37	
5 MHz	QPSK	1712.5	-2.70	1 / 0	24.18	21.48	0.141	30.00	-8.52
		1745.0	-2.70	1 / 0	24.26	21.56	0.143	30.00	-8.44
		1777.5	-2.70	1 / 0	24.10	21.40	0.138	30.00	-8.60
	16-QAM	1745.0	-2.70	1 / 0	23.51	20.81	0.121	30.00	-9.19
	64-QAM	1777.5	-2.70	1 / 0	22.38	19.68	0.093	30.00	-10.32
256-QAM	1745.0	-2.70	1 / 0	19.28	16.58	0.045	30.00	-13.42	
10 MHz	QPSK	1715.0	-2.70	1 / 49	23.99	21.29	0.135	30.00	-8.71
		1745.0	-2.70	1 / 0	24.11	21.41	0.138	30.00	-8.59
		1775.0	-2.70	1 / 25	24.05	21.35	0.136	30.00	-8.65
	16-QAM	1775.0	-2.70	1 / 0	23.57	20.87	0.122	30.00	-9.13
	64-QAM	1715.0	-2.70	1 / 0	22.37	19.67	0.093	30.00	-10.33
256-QAM	1775.0	-2.70	1 / 0	19.29	16.59	0.046	30.00	-13.41	
15 MHz	QPSK	1717.5	-2.70	1 / 0	23.94	21.24	0.133	30.00	-8.76
		1745.0	-2.70	1 / 0	23.98	21.28	0.134	30.00	-8.72
		1772.5	-2.70	1 / 0	23.87	21.17	0.131	30.00	-8.83
	16-QAM	1772.5	-2.70	1 / 0	23.35	20.65	0.116	30.00	-9.35
	64-QAM	1717.5	-2.70	1 / 0	22.25	19.55	0.090	30.00	-10.45
256-QAM	1772.5	-2.70	1 / 0	19.17	16.47	0.044	30.00	-13.53	
20 MHz	QPSK	1720.0	-2.70	1 / 0	23.90	21.20	0.132	30.00	-8.80
		1745.0	-2.70	1 / 50	23.87	21.17	0.131	30.00	-8.83
		1770.0	-2.70	1 / 0	23.94	21.24	0.133	30.00	-8.76
	16-QAM	1745.0	-2.70	1 / 0	23.47	20.77	0.119	30.00	-9.23
	64-QAM	1745.0	-2.70	1 / 0	22.30	19.60	0.091	30.00	-10.40
256-QAM	1720.0	-2.70	1 / 0	19.06	16.36	0.043	30.00	-13.64	


Table 7-24. Antenna 4b EIRP Data (LTE Band 66)

FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 289 of 345

LTE Band 4

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	1710.7	-2.70	1 / 0	25.13	22.43	0.175	30.00	-7.57
		1732.5	-2.70	1 / 0	25.20	22.50	0.178	30.00	-7.50
		1754.3	-2.70	1 / 5	25.01	22.31	0.170	30.00	-7.69
	16-QAM	1732.5	-2.70	1 / 5	24.45	21.75	0.150	30.00	-8.25
	64-QAM	1754.3	-2.70	1 / 0	23.32	20.62	0.115	30.00	-9.38
	256-QAM	1732.5	-2.70	1 / 0	20.29	17.59	0.057	30.00	-12.41
3 MHz	QPSK	1711.5	-2.70	1 / 0	24.95	22.25	0.168	30.00	-7.75
		1732.5	-2.70	1 / 0	25.16	22.46	0.176	30.00	-7.54
		1753.5	-2.70	1 / 0	24.97	22.27	0.169	30.00	-7.73
	16-QAM	1753.5	-2.70	1 / 0	24.53	21.83	0.152	30.00	-8.17
	64-QAM	1711.5	-2.70	1 / 0	23.32	20.62	0.115	30.00	-9.38
	256-QAM	1711.5	-2.70	1 / 0	20.25	17.55	0.057	30.00	-12.45
5 MHz	QPSK	1712.5	-2.70	1 / 0	25.15	22.45	0.176	30.00	-7.55
		1732.5	-2.70	1 / 0	25.26	22.56	0.180	30.00	-7.44
		1752.5	-2.70	1 / 0	25.15	22.45	0.176	30.00	-7.55
	16-QAM	1732.5	-2.70	1 / 0	24.52	21.82	0.152	30.00	-8.18
	64-QAM	1752.5	-2.70	1 / 0	23.47	20.77	0.119	30.00	-9.23
		256-QAM	1752.5	-2.70	1 / 0	20.28	17.58	0.057	30.00
10 MHz	QPSK	1715.0	-2.70	1 / 49	24.96	22.26	0.168	30.00	-7.74
		1732.5	-2.70	1 / 0	25.07	22.37	0.173	30.00	-7.63
		1750.0	-2.70	1 / 0	24.97	22.27	0.169	30.00	-7.73
	16-QAM	1750.0	-2.70	1 / 49	24.46	21.76	0.150	30.00	-8.24
	64-QAM	1715.0	-2.70	1 / 0	23.30	20.60	0.115	30.00	-9.40
	256-QAM	1732.5	-2.70	1 / 0	20.38	17.68	0.059	30.00	-12.32
15 MHz	QPSK	1717.5	-2.70	1 / 0	24.94	22.24	0.167	30.00	-7.76
		1732.5	-2.70	1 / 74	25.05	22.35	0.172	30.00	-7.65
		1747.5	-2.70	1 / 0	24.94	22.24	0.167	30.00	-7.76
	16-QAM	1747.5	-2.70	1 / 0	24.39	21.69	0.148	30.00	-8.31
	64-QAM	1717.5	-2.70	1 / 74	23.19	20.49	0.112	30.00	-9.51
	256-QAM	1747.5	-2.70	1 / 0	20.37	17.67	0.058	30.00	-12.33
20 MHz	QPSK	1720.0	-2.70	1 / 0	24.87	22.17	0.165	30.00	-7.83
		1732.5	-2.70	1 / 99	24.70	22.00	0.158	30.00	-8.00
		1745.0	-2.70	1 / 50	25.04	22.34	0.171	30.00	-7.66
	16-QAM	1745.0	-2.70	1 / 0	24.48	21.78	0.151	30.00	-8.22
	64-QAM	1745.0	-2.70	1 / 0	23.43	20.73	0.118	30.00	-9.27
	256-QAM	1745.0	-2.70	1 / 0	20.18	17.48	0.056	30.00	-12.52

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

FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 290 of 345

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dB]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1712.5	-2.70	1 / 1	24.10	21.40	0.138	30.00	-8.60
		1745.0	-2.70	1 / 1	24.11	21.41	0.138	30.00	-8.59
		1777.5	-2.70	1 / 1	24.13	21.43	0.139	30.00	-8.57
	QPSK	1712.5	-2.70	1 / 12	24.07	21.37	0.137	30.00	-8.63
		1745.0	-2.70	1 / 23	24.11	21.41	0.138	30.00	-8.59
		1777.5	-2.70	1 / 12	24.09	21.39	0.138	30.00	-8.61
	16-QAM	1712.5	-2.70	1 / 23	23.44	20.74	0.119	30.00	-9.26
	64-QAM	1745.0	-2.70	1 / 23	21.70	19.00	0.079	30.00	-11.00
256-QAM	1712.5	-2.70	1 / 12	19.79	17.09	0.051	30.00	-12.91	
10 MHz	π/2 BPSK	1715.0	-2.70	1 / 25	24.10	21.40	0.138	30.00	-8.60
		1745.0	-2.70	1 / 50	24.12	21.42	0.139	30.00	-8.58
		1775.0	-2.70	1 / 1	24.11	21.41	0.138	30.00	-8.59
	QPSK	1715.0	-2.70	1 / 50	24.06	21.36	0.137	30.00	-8.64
		1745.0	-2.70	1 / 50	24.07	21.37	0.137	30.00	-8.63
		1775.0	-2.70	1 / 1	24.07	21.37	0.137	30.00	-8.63
	16-QAM	1775.0	-2.70	1 / 50	23.18	20.48	0.112	30.00	-9.52
	64-QAM	1775.0	-2.70	1 / 1	21.88	19.18	0.083	30.00	-10.82
256-QAM	1745.0	-2.70	1 / 50	19.79	17.09	0.051	30.00	-12.91	
15 MHz	π/2 BPSK	1717.5	-2.70	1 / 1	24.28	21.58	0.144	30.00	-8.42
		1745.0	-2.70	1 / 1	24.30	21.60	0.145	30.00	-8.40
		1772.5	-2.70	1 / 1	24.24	21.54	0.143	30.00	-8.46
	QPSK	1717.5	-2.70	1 / 1	24.26	21.56	0.143	30.00	-8.44
		1745.0	-2.70	1 / 1	24.30	21.60	0.144	30.00	-8.40
		1772.5	-2.70	1 / 1	24.24	21.54	0.143	30.00	-8.46
	16-QAM	1717.5	-2.70	1 / 36	23.43	20.73	0.118	30.00	-9.27
	64-QAM	1717.5	-2.70	1 / 1	21.81	19.11	0.082	30.00	-10.89
256-QAM	1717.5	-2.70	1 / 1	20.09	17.39	0.055	30.00	-12.61	
20 MHz	π/2 BPSK	1720.0	-2.70	1 / 104	24.30	21.60	0.145	30.00	-8.40
		1745.0	-2.70	1 / 104	24.27	21.57	0.144	30.00	-8.43
		1770.0	-2.70	1 / 1	24.21	21.51	0.142	30.00	-8.49
	QPSK	1720.0	-2.70	1 / 104	24.27	21.57	0.144	30.00	-8.43
		1745.0	-2.70	1 / 104	24.28	21.58	0.144	30.00	-8.42
		1770.0	-2.70	1 / 1	24.20	21.50	0.141	30.00	-8.50
	16-QAM	1720.0	-2.70	1 / 50	23.38	20.68	0.117	30.00	-9.32
	64-QAM	1745.0	-2.70	1 / 1	22.01	19.31	0.085	30.00	-10.69
256-QAM	1745.0	-2.70	1 / 0	19.99	17.29	0.054	30.00	-12.71	
25 MHz	π/2 BPSK	1722.5	-2.70	1 / 1	24.28	21.58	0.144	30.00	-8.42
		1745.0	-2.70	1 / 1	24.30	21.60	0.145	30.00	-8.40
		1767.5	-2.70	1 / 1	24.24	21.54	0.143	30.00	-8.46
	QPSK	1722.5	-2.70	1 / 131	24.30	21.60	0.145	30.00	-8.40
		1745.0	-2.70	1 / 1	24.25	21.55	0.143	30.00	-8.45
		1767.5	-2.70	1 / 64	24.25	21.55	0.143	30.00	-8.45
	16-QAM	1767.5	-2.70	1 / 1	23.55	20.85	0.122	30.00	-9.15
	64-QAM	1745.0	-2.70	1 / 1	21.88	19.18	0.083	30.00	-10.82
256-QAM	1722.5	-2.70	1 / 64	19.96	17.26	0.053	30.00	-12.74	
30 MHz	π/2 BPSK	1725.0	-2.70	1 / 1	24.24	21.54	0.142	30.00	-8.46
		1745.0	-2.70	1 / 1	24.21	21.51	0.142	30.00	-8.49
		1765.0	-2.70	1 / 1	24.24	21.54	0.142	30.00	-8.46
	QPSK	1725.0	-2.70	1 / 1	24.24	21.54	0.143	30.00	-8.46
		1745.0	-2.70	1 / 80	24.24	21.54	0.142	30.00	-8.46
		1765.0	-2.70	1 / 80	24.19	21.49	0.141	30.00	-8.51
	16-QAM	1765.0	-2.70	1 / 158	23.43	20.73	0.118	30.00	-9.27
	64-QAM	1745.0	-2.70	1 / 1	22.01	19.31	0.085	30.00	-10.69
256-QAM	1725.0	-2.70	1 / 1	19.87	17.17	0.052	30.00	-12.83	
35 MHz	π/2 BPSK	1727.5	-2.70	1 / 1	24.22	21.52	0.142	30.00	-8.48
		1745.0	-2.70	1 / 1	24.30	21.60	0.145	30.00	-8.40
		1762.5	-2.70	1 / 1	24.29	21.59	0.144	30.00	-8.41
	QPSK	1725.0	-2.70	1 / 1	24.25	21.55	0.143	30.00	-8.45
		1745.0	-2.70	1 / 1	24.28	21.58	0.144	30.00	-8.42
		1765.0	-2.70	1 / 1	24.26	21.56	0.143	30.00	-8.44
	16-QAM	1745.0	-2.70	1 / 93	23.56	20.86	0.122	30.00	-9.14
	64-QAM	1765.0	-2.70	1 / 186	22.03	19.33	0.086	30.00	-10.67
256-QAM	1725.0	-2.70	1 / 186	19.90	17.20	0.053	30.00	-12.80	
40 MHz	π/2 BPSK	1730.0	-2.70	1 / 1	24.30	21.60	0.145	30.00	-8.40
		1745.0	-2.70	1 / 108	24.27	21.57	0.144	30.00	-8.43
		1760.0	-2.70	1 / 1	24.18	21.48	0.141	30.00	-8.52
	QPSK	1730.0	-2.70	1 / 214	24.27	21.57	0.144	30.00	-8.43
		1745.0	-2.70	1 / 1	24.29	21.59	0.144	30.00	-8.41
		1760.0	-2.70	1 / 108	24.18	21.48	0.141	30.00	-8.52
	16-QAM	1730.0	-2.70	1 / 108	23.51	20.81	0.120	30.00	-9.19
	64-QAM	1730.0	-2.70	1 / 108	21.97	19.27	0.085	30.00	-10.73
256-QAM	1730.0	-2.70	1 / 1	20.14	17.44	0.056	30.00	-12.56	

Table 7-26. Antenna 4b EIRP Data (NR Band n66)

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device
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NR Band n70

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	1697.5	-3.80	1 / 1	25.29	21.49	0.141	30.00	-8.51
		1702.5	-3.80	1 / 12	25.30	21.50	0.141	30.00	-8.50
		1707.5	-3.80	1 / 23	25.28	21.48	0.141	30.00	-8.52
	QPSK	1697.5	-3.80	1 / 23	25.26	21.46	0.140	30.00	-8.54
		1702.5	-3.80	1 / 12	25.29	21.49	0.141	30.00	-8.51
		1707.5	-3.80	1 / 1	25.30	21.50	0.141	30.00	-8.50
	16-QAM	1707.5	-3.80	1 / 12	24.58	20.78	0.120	30.00	-9.22
	64-QAM	1707.5	-3.80	1 / 12	22.85	19.05	0.080	30.00	-10.95
256-QAM	1702.5	-3.80	1 / 1	20.74	16.94	0.049	30.00	-13.06	
10 MHz	π/2 BPSK	1697.5	-3.80	1 / 25	25.27	21.47	0.140	30.00	-8.53
		1702.5	-3.80	1 / 25	25.28	21.48	0.141	30.00	-8.52
		1707.5	-3.80	1 / 50	25.28	21.48	0.141	30.00	-8.52
	QPSK	1697.5	-3.80	1 / 50	25.23	21.43	0.139	30.00	-8.57
		1702.5	-3.80	1 / 25	25.27	21.47	0.140	30.00	-8.53
		1707.5	-3.80	1 / 25	25.28	21.48	0.141	30.00	-8.52
	16-QAM	1697.5	-3.80	1 / 25	24.57	20.77	0.119	30.00	-9.23
	64-QAM	1702.5	-3.80	1 / 25	22.94	19.14	0.082	30.00	-10.86
256-QAM	1702.5	-3.80	1 / 50	20.89	17.09	0.051	30.00	-12.91	
15 MHz	π/2 BPSK	1702.5	-3.80	1 / 77	25.30	21.50	0.141	30.00	-8.50
	QPSK	1702.5	-3.80	1 / 36	25.19	21.39	0.138	30.00	-8.61
	16-QAM	1702.5	-3.80	1 / 77	24.40	20.60	0.115	30.00	-9.40
	64-QAM	1702.5	-3.80	1 / 1	22.99	19.19	0.083	30.00	-10.81
	256-QAM	1702.5	-3.80	1 / 36	20.89	17.09	0.051	30.00	-12.91

Table 7-27. Antenna 4b EIRP Data (NR Band n70)

WCDMA AWS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	25.26	-2.70	22.56	0.180	30.00	-7.44
1732.60	WCDMA1700	25.30	-2.70	22.60	0.182	30.00	-7.40
1752.60	WCDMA1700	25.19	-2.70	22.49	0.177	30.00	-7.51

Table 7-28. Antenna 4b ERP/EIRP Data (WCDMA AWS)


FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 292 of 345

7.6.4 Antenna 2b – EIRP

LTE Band 66

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	1710.7	-3.40	1 / 0	25.10	21.70	0.148	30.00	-8.30
		1745.0	-3.40	1 / 0	25.07	21.67	0.147	30.00	-8.33
		1779.3	-3.40	1 / 3	24.95	21.55	0.143	30.00	-8.45
	16-QAM	1779.3	-3.40	1 / 3	24.37	20.97	0.125	30.00	-9.03
	64-QAM	1779.3	-3.40	1 / 3	23.21	19.81	0.096	30.00	-10.19
	256-QAM	1745.0	-3.40	1 / 5	20.14	16.74	0.047	30.00	-13.26
3 MHz	QPSK	1711.5	-3.40	1 / 0	24.91	21.51	0.142	30.00	-8.49
		1745.0	-3.40	1 / 0	25.06	21.66	0.147	30.00	-8.34
		1778.5	-3.40	1 / 0	24.95	21.55	0.143	30.00	-8.45
	16-QAM	1778.5	-3.40	1 / 0	24.50	21.10	0.129	30.00	-8.90
	64-QAM	1711.5	-3.40	1 / 0	23.39	19.99	0.100	30.00	-10.01
	256-QAM	1711.5	-3.40	1 / 0	20.19	16.79	0.048	30.00	-13.21
5 MHz	QPSK	1712.5	-3.40	1 / 24	25.12	21.72	0.149	30.00	-8.28
		1745.0	-3.40	1 / 0	25.18	21.78	0.151	30.00	-8.22
		1777.5	-3.40	1 / 0	24.91	21.51	0.142	30.00	-8.49
	16-QAM	1745.0	-3.40	1 / 0	24.42	21.02	0.126	30.00	-8.98
	64-QAM	1777.5	-3.40	1 / 12	23.38	19.98	0.100	30.00	-10.02
	256-QAM	1712.5	-3.40	1 / 0	20.22	16.82	0.048	30.00	-13.18
10 MHz	QPSK	1715.0	-3.40	1 / 49	24.96	21.56	0.143	30.00	-8.44
		1745.0	-3.40	1 / 0	25.05	21.65	0.146	30.00	-8.35
		1775.0	-3.40	1 / 25	25.00	21.60	0.145	30.00	-8.40
	16-QAM	1775.0	-3.40	1 / 25	24.45	21.05	0.127	30.00	-8.95
	64-QAM	1715.0	-3.40	1 / 0	23.28	19.88	0.097	30.00	-10.12
	256-QAM	1745.0	-3.40	1 / 0	20.27	16.87	0.049	30.00	-13.13
15 MHz	QPSK	1717.5	-3.40	1 / 0	24.92	21.52	0.142	30.00	-8.48
		1745.0	-3.40	1 / 0	25.04	21.64	0.146	30.00	-8.36
		1772.5	-3.40	1 / 0	24.81	21.41	0.138	30.00	-8.59
	16-QAM	1772.5	-3.40	1 / 0	24.37	20.97	0.125	30.00	-9.03
	64-QAM	1717.5	-3.40	1 / 0	23.20	19.80	0.095	30.00	-10.20
	256-QAM	1717.5	-3.40	1 / 74	20.06	16.66	0.046	30.00	-13.34
20 MHz	QPSK	1720.0	-3.40	1 / 0	24.84	21.44	0.139	30.00	-8.56
		1745.0	-3.40	1 / 0	24.62	21.22	0.132	30.00	-8.78
		1770.0	-3.40	1 / 0	24.92	21.52	0.142	30.00	-8.48
	16-QAM	1745.0	-3.40	1 / 0	24.26	20.86	0.122	30.00	-9.14
	64-QAM	1770.0	-3.40	1 / 0	23.35	19.95	0.099	30.00	-10.05
	256-QAM	1720.0	-3.40	1 / 0	20.05	16.65	0.046	30.00	-13.35


Table 7-29. Antenna 2b EIRP Data (LTE Band 66)

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LTE Band 4

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	1710.7	-3.40	1 / 5	25.05	21.65	0.146	30.00	-8.35
		1732.5	-3.40	1 / 0	25.08	21.68	0.147	30.00	-8.32
		1754.3	-3.40	1 / 3	24.94	21.54	0.143	30.00	-8.46
	16-QAM	1732.5	-3.40	1 / 0	24.39	20.99	0.126	30.00	-9.01
	64-QAM	1710.7	-3.40	1 / 0	23.21	19.81	0.096	30.00	-10.19
	256-QAM	1732.5	-3.40	1 / 0	20.16	16.76	0.047	30.00	-13.24
3 MHz	QPSK	1711.5	-3.40	1 / 0	24.87	21.47	0.140	30.00	-8.53
		1732.5	-3.40	1 / 0	25.13	21.73	0.149	30.00	-8.27
		1753.5	-3.40	1 / 0	25.09	21.69	0.148	30.00	-8.31
	16-QAM	1753.5	-3.40	1 / 7	24.45	21.05	0.127	30.00	-8.95
	64-QAM	1732.5	-3.40	1 / 0	23.36	19.96	0.099	30.00	-10.04
	256-QAM	1753.5	-3.40	1 / 0	20.26	16.86	0.049	30.00	-13.14
5 MHz	QPSK	1712.5	-3.40	1 / 0	25.02	21.62	0.145	30.00	-8.38
		1732.5	-3.40	1 / 0	25.13	21.73	0.149	30.00	-8.27
		1752.5	-3.40	1 / 0	24.95	21.55	0.143	30.00	-8.45
	16-QAM	1732.5	-3.40	1 / 0	24.48	21.08	0.128	30.00	-8.92
	64-QAM	1732.5	-3.40	1 / 0	23.45	20.05	0.101	30.00	-9.95
	256-QAM	1732.5	-3.40	1 / 0	20.18	16.78	0.048	30.00	-13.22
10 MHz	QPSK	1715.0	-3.40	1 / 49	24.88	21.48	0.141	30.00	-8.52
		1732.5	-3.40	1 / 0	25.01	21.61	0.145	30.00	-8.39
		1750.0	-3.40	1 / 0	24.99	21.59	0.144	30.00	-8.41
	16-QAM	1750.0	-3.40	1 / 25	24.43	21.03	0.127	30.00	-8.97
	64-QAM	1715.0	-3.40	1 / 0	23.24	19.84	0.096	30.00	-10.16
	256-QAM	1750.0	-3.40	1 / 0	20.33	16.93	0.049	30.00	-13.07
15 MHz	QPSK	1717.5	-3.40	1 / 0	24.89	21.49	0.141	30.00	-8.51
		1732.5	-3.40	1 / 74	25.05	21.65	0.146	30.00	-8.35
		1747.5	-3.40	1 / 0	24.85	21.45	0.140	30.00	-8.55
	16-QAM	1747.5	-3.40	1 / 0	24.33	20.93	0.124	30.00	-9.07
	64-QAM	1717.5	-3.40	1 / 0	23.17	19.77	0.095	30.00	-10.23
	256-QAM	1732.5	-3.40	1 / 74	20.18	16.78	0.048	30.00	-13.22
20 MHz	QPSK	1720.0	-3.40	1 / 0	24.88	21.48	0.141	30.00	-8.52
		1732.5	-3.40	1 / 0	24.96	21.56	0.143	30.00	-8.44
		1745.0	-3.40	1 / 0	24.91	21.51	0.142	30.00	-8.49
	16-QAM	1745.0	-3.40	1 / 50	24.23	20.83	0.121	30.00	-9.17
	64-QAM	1732.5	-3.40	1 / 0	23.28	19.88	0.097	30.00	-10.12
	256-QAM	1745.0	-3.40	1 / 50	20.02	16.62	0.046	30.00	-13.38

Table 7-30. Antenna 2b EIRP Data (LTE Band 4)

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Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dB]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	1712.5	-3.40	1 / 12	24.93	21.53	0.142	30.00	-8.47
		1745.0	-3.40	1 / 12	24.91	21.51	0.142	30.00	-8.49
		1777.5	-3.40	1 / 12	25.01	21.61	0.145	30.00	-8.39
	QPSK	1712.5	-3.40	1 / 1	24.95	21.55	0.143	30.00	-8.45
		1745.0	-3.40	1 / 1	24.92	21.52	0.142	30.00	-8.48
		1777.5	-3.40	1 / 1	24.88	21.48	0.141	30.00	-8.52
	16-QAM	1777.5	-3.40	1 / 23	24.25	20.85	0.122	30.00	-9.15
64-QAM	1712.5	-3.40	1 / 12	23.01	19.61	0.091	30.00	-10.39	
256-QAM	1745.0	-3.40	1 / 1	20.83	17.43	0.055	30.00	-12.57	
10 MHz	π/2 BPSK	1715.0	-3.40	1 / 50	24.88	21.48	0.141	30.00	-8.52
		1745.0	-3.40	1 / 25	24.91	21.51	0.142	30.00	-8.49
		1775.0	-3.40	1 / 1	24.86	21.46	0.140	30.00	-8.54
	QPSK	1715.0	-3.40	1 / 1	24.89	21.49	0.141	30.00	-8.51
		1745.0	-3.40	1 / 50	24.93	21.53	0.142	30.00	-8.47
		1775.0	-3.40	1 / 25	24.76	21.36	0.137	30.00	-8.64
	16-QAM	1775.0	-3.40	1 / 25	24.32	20.92	0.124	30.00	-9.08
64-QAM	1715.0	-3.40	1 / 25	23.05	19.65	0.092	30.00	-10.35	
256-QAM	1715.0	-3.40	1 / 1	20.99	17.59	0.057	30.00	-12.41	
15 MHz	π/2 BPSK	1717.5	-3.40	1 / 1	25.01	21.61	0.145	30.00	-8.39
		1745.0	-3.40	1 / 1	24.91	21.51	0.142	30.00	-8.49
		1772.5	-3.40	1 / 1	24.78	21.38	0.137	30.00	-8.62
	QPSK	1717.5	-3.40	1 / 1	24.95	21.55	0.143	30.00	-8.45
		1745.0	-3.40	1 / 77	24.91	21.51	0.142	30.00	-8.49
		1772.5	-3.40	1 / 1	24.75	21.35	0.136	30.00	-8.65
	16-QAM	1717.5	-3.40	1 / 36	24.54	21.14	0.130	30.00	-8.86
64-QAM	1717.5	-3.40	1 / 1	23.16	19.76	0.095	30.00	-10.24	
256-QAM	1745.0	-3.40	1 / 1	21.01	17.61	0.058	30.00	-12.39	
20 MHz	π/2 BPSK	1720.0	-3.40	1 / 1	25.00	21.60	0.144	30.00	-8.40
		1745.0	-3.40	1 / 1	24.94	21.54	0.143	30.00	-8.46
		1770.0	-3.40	1 / 1	24.81	21.41	0.138	30.00	-8.59
	QPSK	1720.0	-3.40	1 / 1	25.02	21.62	0.145	30.00	-8.38
		1745.0	-3.40	1 / 1	24.89	21.49	0.141	30.00	-8.51
		1770.0	-3.40	1 / 1	24.87	21.47	0.140	30.00	-8.53
	16-QAM	1720.0	-3.40	1 / 1	24.63	21.23	0.133	30.00	-8.77
64-QAM	1745.0	-3.40	1 / 104	23.11	19.71	0.094	30.00	-10.29	
256-QAM	1720.0	-3.40	1 / 104	20.98	17.58	0.057	30.00	-12.42	
25 MHz	π/2 BPSK	1722.5	-3.40	1 / 1	25.07	21.67	0.147	30.00	-8.33
		1745.0	-3.40	1 / 131	24.97	21.57	0.144	30.00	-8.43
		1767.5	-3.40	1 / 1	25.08	21.68	0.147	30.00	-8.32
	QPSK	1722.5	-3.40	1 / 1	25.04	21.64	0.146	30.00	-8.36
		1745.0	-3.40	1 / 131	25.01	21.61	0.145	30.00	-8.39
		1767.5	-3.40	1 / 1	25.05	21.65	0.146	30.00	-8.35
	16-QAM	1767.5	-3.40	1 / 1	24.73	21.33	0.136	30.00	-8.67
64-QAM	1767.5	-3.40	1 / 131	23.04	19.64	0.092	30.00	-10.36	
256-QAM	1722.5	-3.40	1 / 1	21.08	17.68	0.059	30.00	-12.32	
30 MHz	π/2 BPSK	1725.0	-3.40	1 / 80	25.12	21.72	0.149	30.00	-8.28
		1745.0	-3.40	1 / 80	25.11	21.71	0.148	30.00	-8.29
		1765.0	-3.40	1 / 80	25.12	21.72	0.149	30.00	-8.28
	QPSK	1725.0	-3.40	1 / 80	24.96	21.56	0.143	30.00	-8.44
		1745.0	-3.40	1 / 158	24.95	21.55	0.143	30.00	-8.45
		1765.0	-3.40	1 / 1	24.93	21.53	0.142	30.00	-8.47
	16-QAM	1765.0	-3.40	1 / 1	24.74	21.34	0.136	30.00	-8.66
64-QAM	1765.0	-3.40	1 / 80	23.14	19.74	0.094	30.00	-10.26	
256-QAM	1765.0	-3.40	1 / 0	21.29	17.89	0.062	30.00	-12.11	
35 MHz	π/2 BPSK	1727.5	-3.40	1 / 1	24.95	21.55	0.143	30.00	-8.45
		1745.0	-3.40	1 / 1	24.94	21.54	0.142	30.00	-8.46
		1762.5	-3.40	1 / 1	24.89	21.49	0.141	30.00	-8.51
	QPSK	1725.0	-3.40	1 / 1	25.03	21.63	0.146	30.00	-8.37
		1745.0	-3.40	1 / 1	24.86	21.46	0.140	30.00	-8.54
		1765.0	-3.40	1 / 1	24.95	21.55	0.143	30.00	-8.45
	16-QAM	1725.0	-3.40	1 / 1	24.72	21.32	0.135	30.00	-8.68
64-QAM	1745.0	-3.40	1 / 186	23.03	19.63	0.092	30.00	-10.37	
256-QAM	1725.0	-3.40	1 / 1	20.93	17.53	0.057	30.00	-12.47	
40 MHz	π/2 BPSK	1730.0	-3.40	1 / 1	25.01	21.61	0.145	30.00	-8.39
		1745.0	-3.40	1 / 1	24.84	21.44	0.139	30.00	-8.56
		1760.0	-3.40	1 / 108	24.79	21.39	0.138	30.00	-8.61
	QPSK	1730.0	-3.40	1 / 108	24.85	21.45	0.140	30.00	-8.55
		1745.0	-3.40	1 / 1	24.87	21.47	0.140	30.00	-8.53
		1760.0	-3.40	1 / 214	24.82	21.42	0.139	30.00	-8.58
	16-QAM	1745.0	-3.40	1 / 1	24.71	21.31	0.135	30.00	-8.69
64-QAM	1730.0	-3.40	1 / 1	23.00	19.60	0.091	30.00	-10.40	
256-QAM	1745.0	-3.40	1 / 0	21.12	17.72	0.059	30.00	-12.28	

Table 7-31. Antenna 2b EIRP Data (NR Band n66)

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NR Band n70


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	1697.5	-4.30	1 / 1	25.03	20.73	0.118	30.00	-9.27
		1702.5	-4.30	1 / 1	25.08	20.78	0.120	30.00	-9.22
		1707.5	-4.30	1 / 23	25.02	20.72	0.118	30.00	-9.28
	QPSK	1697.5	-4.30	1 / 1	25.09	20.79	0.120	30.00	-9.21
		1702.5	-4.30	1 / 1	25.06	20.76	0.119	30.00	-9.24
		1707.5	-4.30	1 / 23	25.00	20.70	0.117	30.00	-9.30
	16-QAM	1707.5	-4.30	1 / 23	24.87	20.57	0.114	30.00	-9.43
	64-QAM	1697.5	-4.30	1 / 12	23.11	18.81	0.076	30.00	-11.19
256-QAM	1697.5	-4.30	1 / 23	21.18	16.88	0.049	30.00	-13.12	
10 MHz	π/2 BPSK	1697.5	-4.30	1 / 25	25.00	20.70	0.118	30.00	-9.30
		1702.5	-4.30	1 / 1	25.00	20.70	0.117	30.00	-9.30
		1707.5	-4.30	1 / 25	25.02	20.72	0.118	30.00	-9.28
	QPSK	1697.5	-4.30	1 / 1	25.09	20.79	0.120	30.00	-9.21
		1702.5	-4.30	1 / 1	25.07	20.77	0.119	30.00	-9.23
		1707.5	-4.30	1 / 25	24.99	20.69	0.117	30.00	-9.31
	16-QAM	1707.5	-4.30	1 / 1	24.82	20.52	0.113	30.00	-9.48
	64-QAM	1707.5	-4.30	1 / 50	23.12	18.82	0.076	30.00	-11.18
	256-QAM	1702.5	-4.30	1 / 1	21.03	16.73	0.047	30.00	-13.27
	15 MHz	π/2 BPSK	1702.5	-4.30	1 / 36	25.13	20.83	0.121	30.00
QPSK		1702.5	-4.30	1 / 1	25.06	20.76	0.119	30.00	-9.24
16-QAM		1702.5	-4.30	1 / 1	24.76	20.46	0.111	30.00	-9.54
64-QAM		1702.5	-4.30	1 / 77	23.18	18.88	0.077	30.00	-11.12
256-QAM		1702.5	-4.30	1 / 36	21.26	16.96	0.050	30.00	-13.04

Table 7-32. Antenna 2b EIRP Data (NR Band n70)

WCDMA AWS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	22.60	-3.40	19.20	0.083	30.00	-10.80
1732.60	WCDMA1700	22.63	-3.40	19.23	0.084	30.00	-10.77
1752.60	WCDMA1700	22.58	-3.40	19.18	0.083	30.00	-10.82

Table 7-33. Antenna 2b EIRP Data (WCDMA AWS)

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7.7 Radiated Spurious Emissions

§2.1053, §27.53(f)

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 broadband hybrid antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed while the EUT is operating at maximum power and at the appropriate frequencies.


Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.8

ANSI C63.26 2015, TIA-603-E-2016 – Section 2.2.12

Test Settings

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

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Test Setup

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

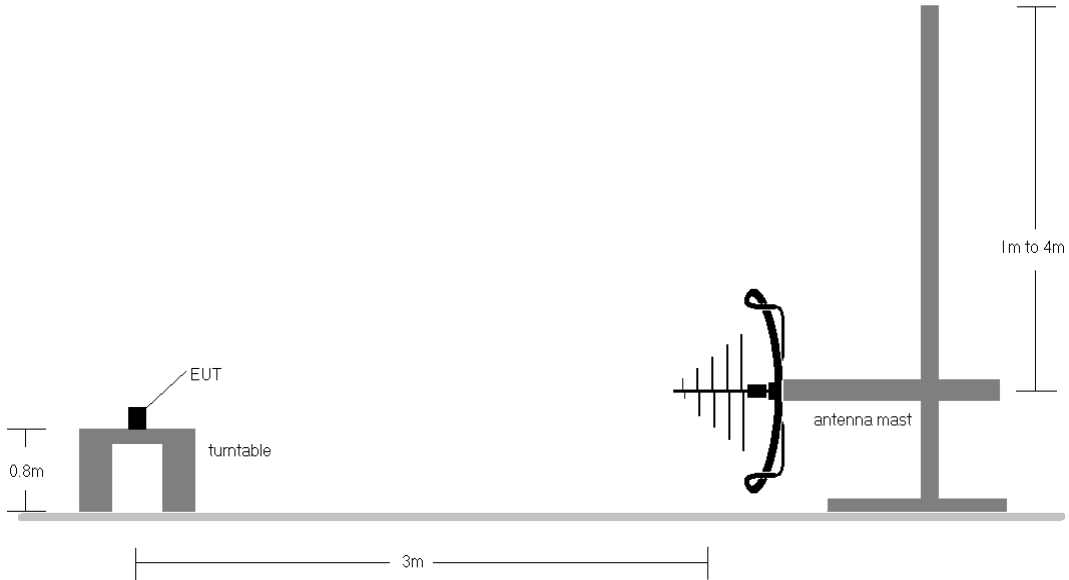


Figure 7-6. Test Instrument & Measurement Setup < 1GHz

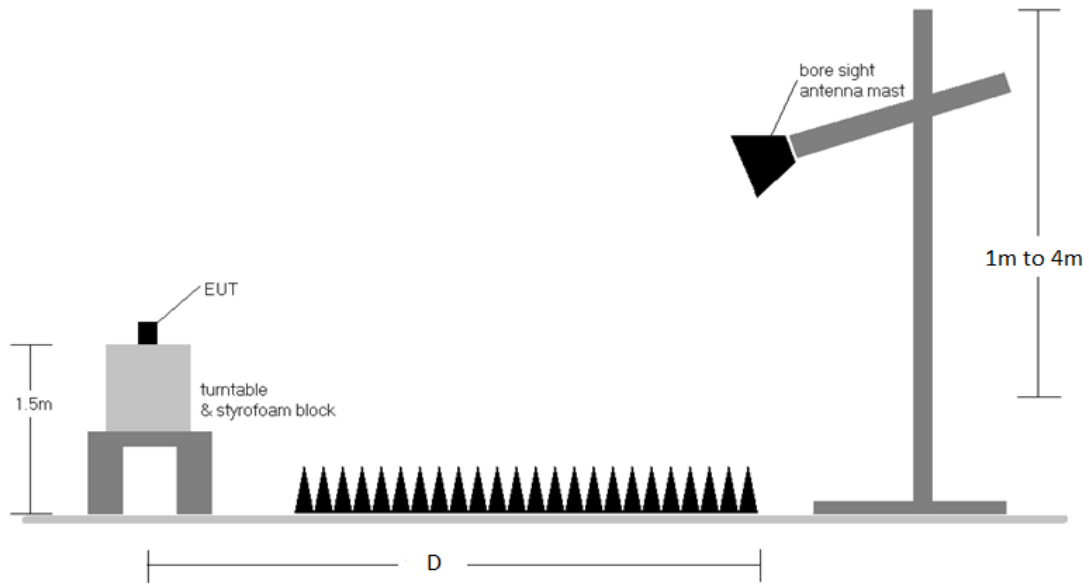



Figure 7-7. Test Instrument & Measurement Setup > 1GHz

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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. 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.
3. This unit was tested with its standard battery.
4. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
5. 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.
6. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
7. 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.
8. 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.
9. This device employs UMTS technology with WCDMA (AMR/RMC) and HSDPA capabilities. The EUT was tested under all configurations and the highest power is reported in WCDMA mode with HSDPA Inactive at 12.2 kbps RMC and TPC bits all set to "1".

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7.7.1 Antenna 3 – Radiated Spurious Emission Measurement

LTE Band 66/4

Bandwidth (MHz):	20
Frequency (MHz):	1720.0
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]
3440.0	H	-	-	-77.06	1.71	31.66	-63.60	-13.00	-50.60
5160.0	H	-	-	-78.79	4.81	33.02	-62.24	-13.00	-49.24
6880.0	H	-	-	-79.46	8.64	36.18	-59.08	-13.00	-46.08

Table 7-34. Antenna 3 Radiated Spurious Data (LTE Band 66/4 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	1745.0
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]
3490.0	H	-	-	-76.95	1.15	31.21	-64.05	-13.00	-51.05
5235.0	H	-	-	-78.41	4.48	33.07	-62.19	-13.00	-49.19
6980.0	H	-	-	-79.55	8.88	36.33	-58.93	-13.00	-45.93

Table 7-35. Antenna 3 Radiated Spurious Data (LTE Band 66/4 – Mid Channel)

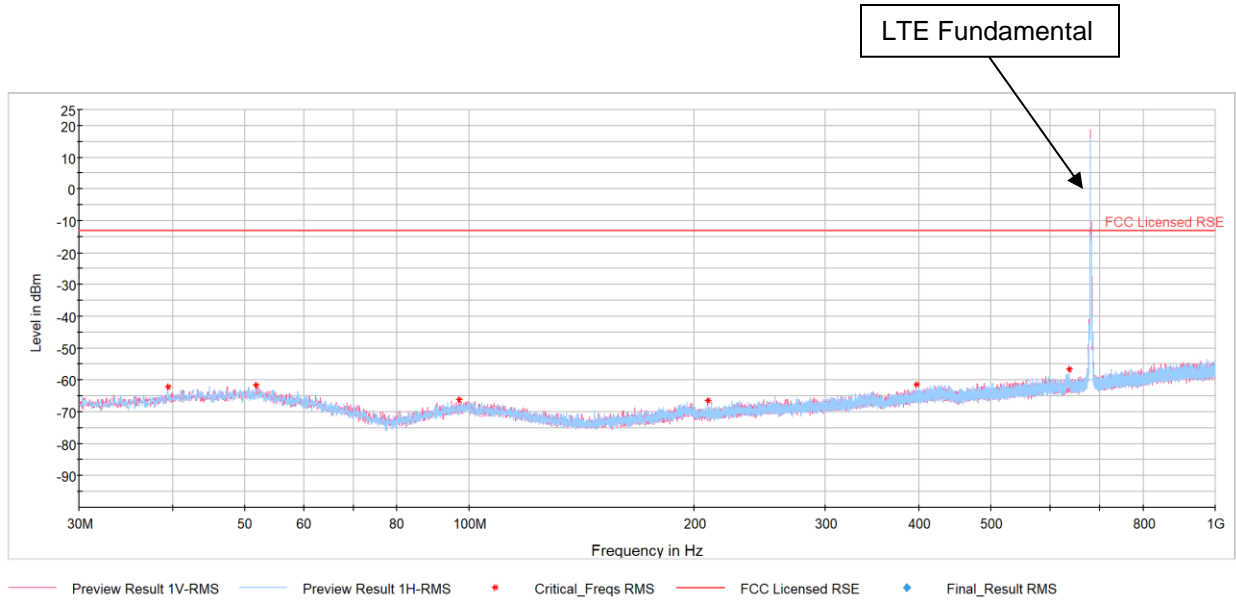
Bandwidth (MHz):	20
Frequency (MHz):	1770.0
RB / Offset:	1 / 50

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]
3540.0	H	-	-	-76.57	1.24	31.67	-63.58	-13.00	-50.58
5310.0	H	-	-	-78.71	5.11	33.40	-61.86	-13.00	-48.86
7080.0	H	-	-	-79.84	8.83	35.99	-59.27	-13.00	-46.27

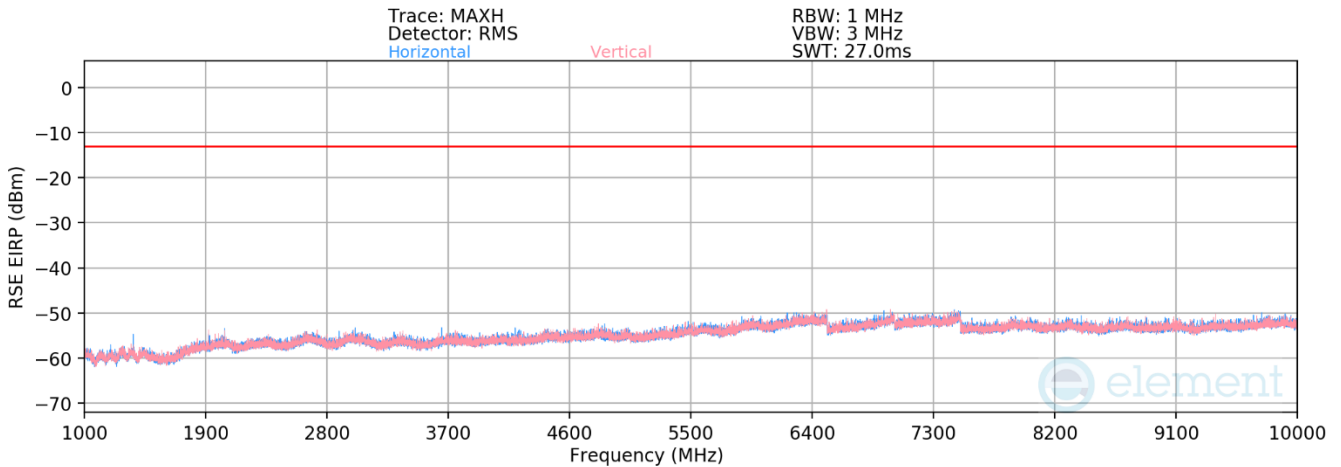
Table 7-36. Antenna 3 Radiated Spurious Data (LTE Band 66/4 – High Channel)

FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 71



Plot 7-478. Antenna 3 Radiated Spurious Emission below 1GHz (LTE Band 71)



Plot 7-479. Antenna 3 Radiated Spurious Emission above 1GHz (LTE Band 71)

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 301 of 345

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Bandwidth (MHz):	20
Frequency (MHz):	673.0
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]
1346.0	H	102	263	-72.05	-4.77	30.18	-65.08	-13.00	-52.08
2019.0	H	167	234	-70.40	-1.15	35.45	-59.80	-13.00	-46.80
2692.0	H	-	-	-75.06	1.10	33.04	-62.22	-13.00	-49.22
3365.0	H	-	-	-76.11	1.96	32.86	-62.40	-13.00	-49.40
4038.0	H	-	-	-76.71	2.82	33.11	-62.15	-13.00	-49.15

Table 7-37. Antenna 3 Radiated Spurious Data (LTE Band 71 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	680.5
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]
1361.0	H	264	243	-71.30	-4.79	30.91	-64.35	-13.00	-51.35
2041.5	H	167	240	-70.27	-1.01	35.72	-59.54	-13.00	-46.54
2722.0	H	-	-	-75.21	1.05	32.85	-62.41	-13.00	-49.41
3402.5	H	-	-	-76.23	2.04	32.81	-62.45	-13.00	-49.45
4083.0	H	-	-	-77.32	3.14	32.82	-62.44	-13.00	-49.44

Table 7-38. Antenna 3 Radiated Spurious Data (LTE Band 71 – Mid Channel)

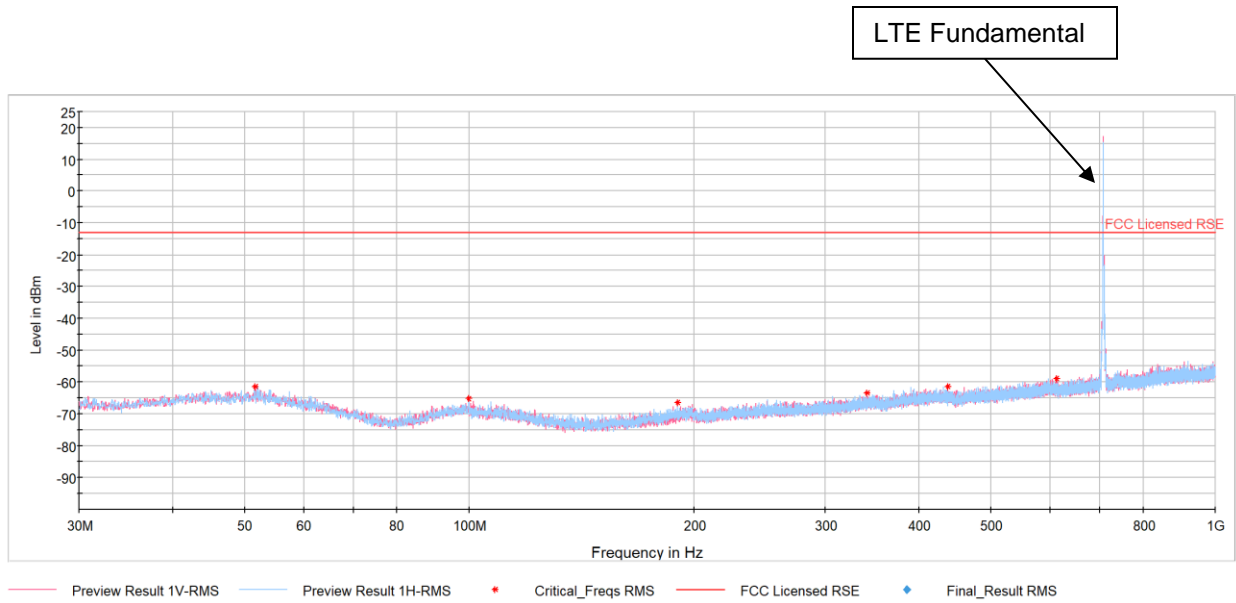
Bandwidth (MHz):	20
Frequency (MHz):	688.0
RB / Offset:	1 / 50

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]
1376.0	H	249	243	-71.82	-4.72	30.46	-64.80	-13.00	-51.80
2064.0	H	194	225	-71.74	-0.89	34.37	-60.89	-13.00	-47.89
2752.0	H	-	-	-75.22	0.74	32.51	-62.75	-13.00	-49.75
3440.0	H	-	-	-76.11	1.79	32.69	-62.57	-13.00	-49.57
4128.0	H	-	-	-77.19	3.11	32.92	-62.33	-13.00	-49.33

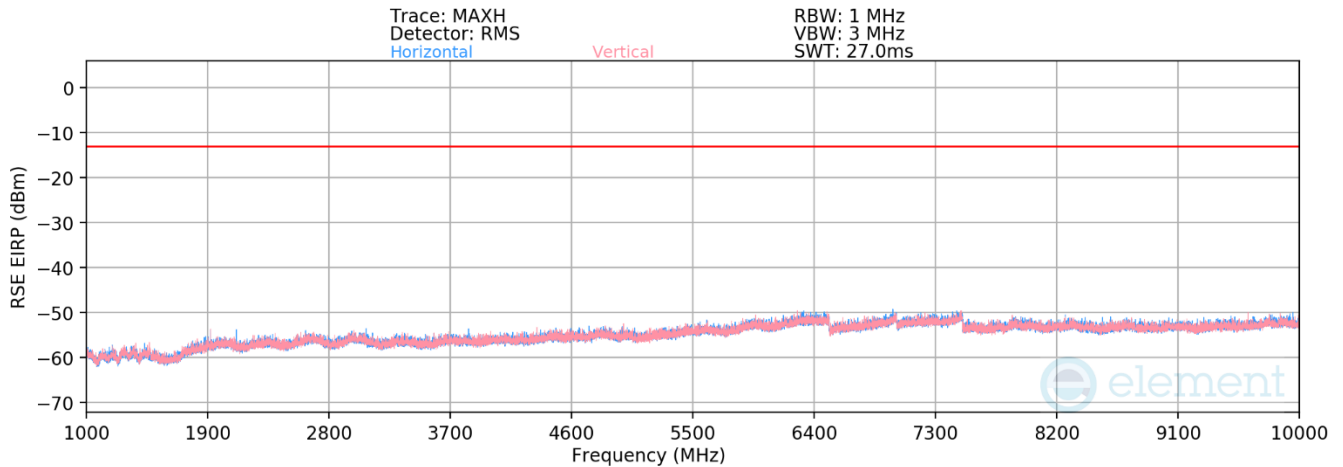
Table 7-39. Antenna 3 Radiated Spurious Data (LTE Band 71 – High Channel)

FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 12/17



Plot 7-480. Antenna 3 Radiated Spurious Emission below 1GHz (LTE Band 12/17)



Plot 7-481. Antenna 3 Radiated Spurious Emission above 1GHz (LTE Band 12/17)

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 303 of 345

Bandwidth (MHz):	10
Frequency (MHz):	704.0
RB / Offset:	1 / 25

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]
1408.0	H	-	-	-72.30	-5.12	29.58	-65.68	-13.00	-52.68
2112.0	H	125	228	-71.33	-1.48	34.19	-61.06	-13.00	-48.06
2816.0	H	-	-	-75.40	0.10	31.70	-63.56	-13.00	-50.56
3520.0	H	-	-	-76.13	1.30	32.17	-63.09	-13.00	-50.09
4224.0	H	-	-	-77.04	2.96	32.92	-62.33	-13.00	-49.33

Table 7-40. Antenna 3 Radiated Spurious Data (LTE Band 12/17 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	707.5
RB / Offset:	1 / 25


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]
1415.0	H	-	-	-72.43	-5.12	29.45	-65.81	-13.00	-52.81
2122.5	H	-	-	-74.36	-1.48	31.16	-64.10	-13.00	-51.10
2830.0	H	-	-	-75.21	0.10	31.89	-63.37	-13.00	-50.37

Table 7-41. Antenna 3 Radiated Spurious Data (LTE Band 12/17 – Mid Channel)

Bandwidth (MHz):	10
Frequency (MHz):	711.0
RB / Offset:	1 / 25

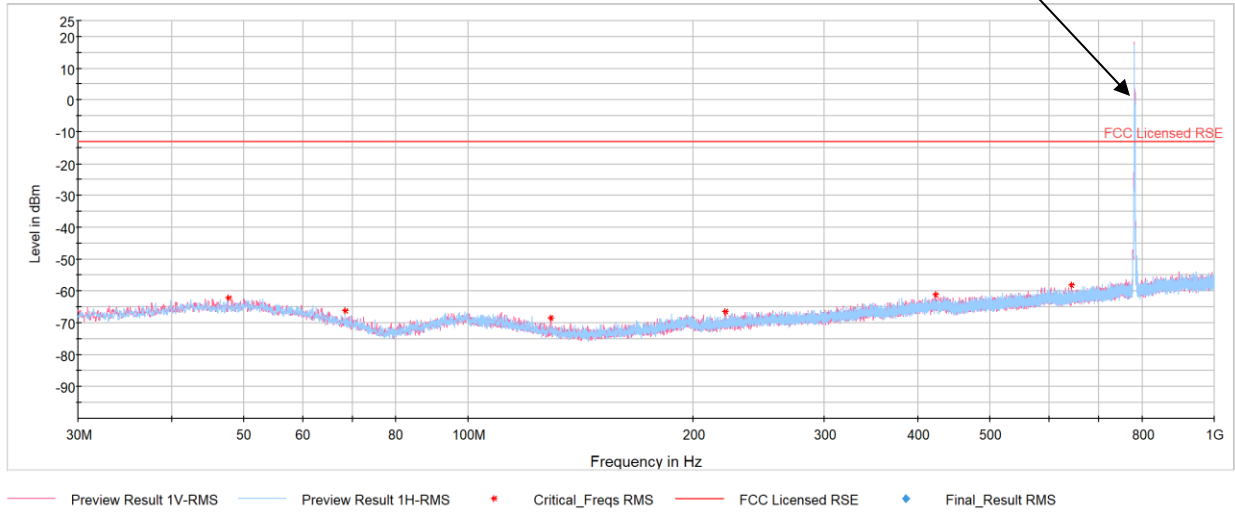
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1422.0	H	-	-	-72.35	-4.97	29.67	-65.58	-13.00	-52.58
2133.0	H	-	-	-74.38	-1.48	31.14	-64.12	-13.00	-51.12
2844.0	H	-	-	-75.20	0.00	31.80	-63.46	-13.00	-50.46

Table 7-42. Antenna 3 Radiated Spurious Data (LTE Band 12/17 – High Channel)

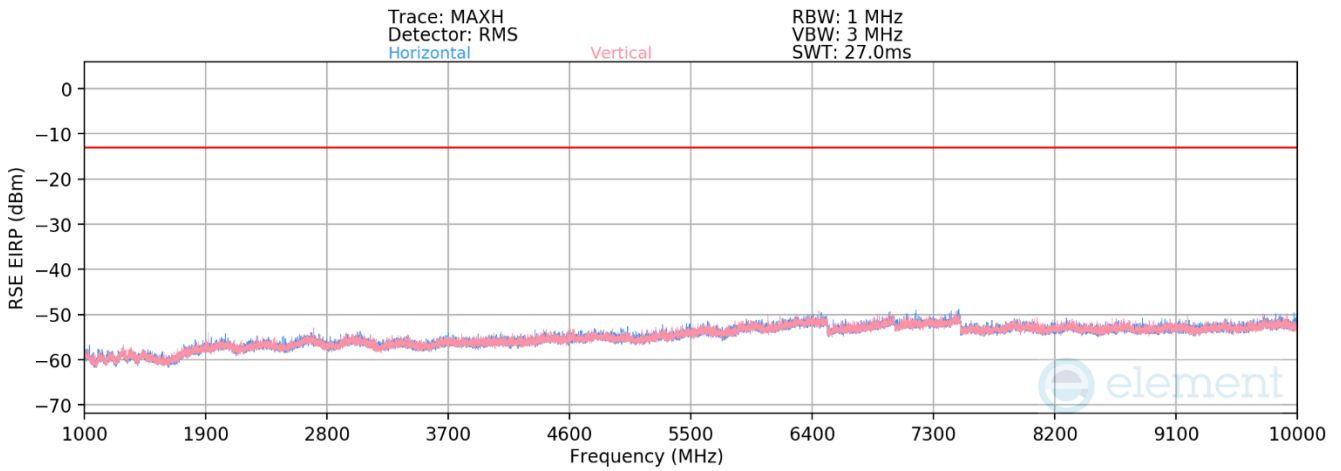
FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 13

LTE Fundamental



Plot 7-482. Antenna 3 Radiated Spurious Emission below 1GHz (LTE Band 13)



Plot 7-483. Antenna 3 Radiated Spurious Emission above 1GHz (LTE Band 13)

FCC ID: BCGA2837	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 305 of 345

Bandwidth (MHz):	5
Frequency (MHz):	779.5
RB / Offset:	1 / 12

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1559.0	H	-	-	-73.05	-5.30	28.64	-66.62	-40.00	-26.62
2338.5	H	-	-	-74.46	-0.38	32.16	-63.10	-13.00	-50.10
3118.0	H	-	-	-76.08	1.72	32.64	-62.62	-13.00	-49.62

Table 7-43. Antenna 3 Radiated Spurious Data (LTE Band 13 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	782.0
RB / Offset:	1 / 25


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1564.0	H	-	-	-73.04	-5.43	28.53	-66.73	-40.00	-26.73
2346.0	H	-	-	-74.47	-0.38	32.16	-63.10	-13.00	-50.10
3128.0	H	-	-	-75.91	1.50	32.59	-62.67	-13.00	-49.67

Table 7-44. Antenna 3 Radiated Spurious Data (LTE Band 13 – Mid Channel)

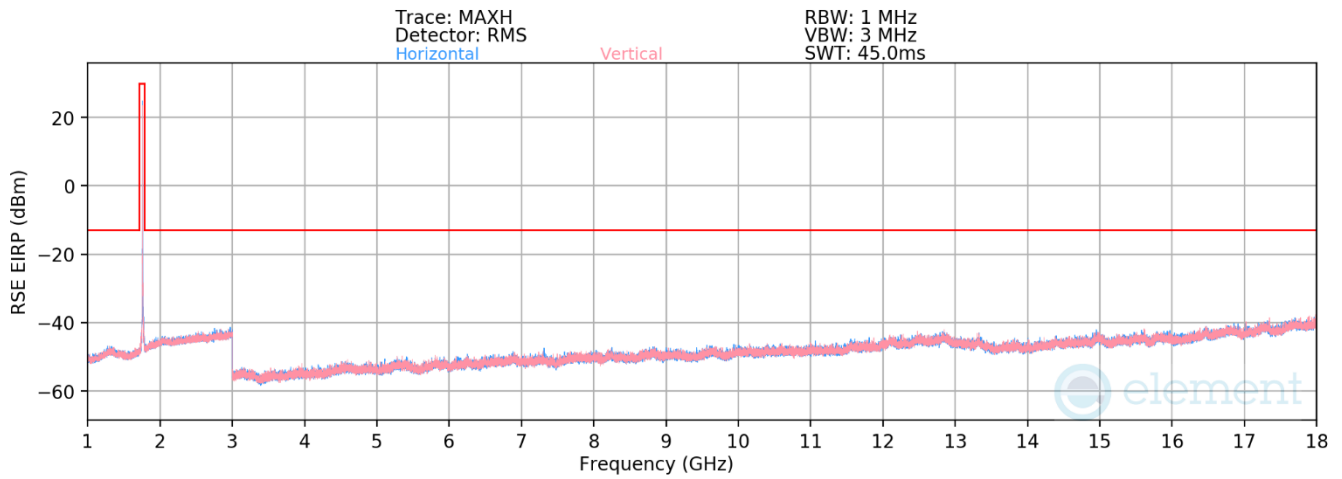
Bandwidth (MHz):	5
Frequency (MHz):	784.5
RB / Offset:	1 / 12

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1569.0	H	-	-	-72.90	-5.43	28.67	-66.59	-40.00	-26.59
2353.5	H	-	-	-74.46	-0.32	32.22	-63.03	-13.00	-50.03
3138.0	H	-	-	-75.89	1.50	32.62	-62.64	-13.00	-49.64


Table 7-45. Antenna 3 Radiated Spurious Data (LTE Band 13 – High Channel)

FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n66



Plot 7-484. Antenna 3 Radiated Spurious Emission above 1GHz (NR Band n66)

FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 307 of 345

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Bandwidth (MHz):	40
Frequency (MHz):	1730.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3460.0	H	-	-	-76.82	3.07	33.25	-62.01	-13.00	-49.01
5190.0	H	-	-	-78.37	7.58	36.21	-59.05	-13.00	-46.05
6920.0	H	-	-	-78.72	10.36	38.64	-56.61	-13.00	-43.61

Table 7-46. Antenna 3 Radiated Spurious Data (NR Band n66 – Low Channel)

Bandwidth (MHz):	40
Frequency (MHz):	1745.0
RB / Offset:	1 / 108


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	H	-	-	-76.77	3.25	33.48	-61.77	-13.00	-48.77
5235.0	H	-	-	-77.78	7.83	37.05	-58.21	-13.00	-45.21
6980.0	H	-	-	-79.11	9.94	37.84	-57.42	-13.00	-44.42

Table 7-47. Antenna 3 Radiated Spurious Data (NR Band n66 – Mid Channel)

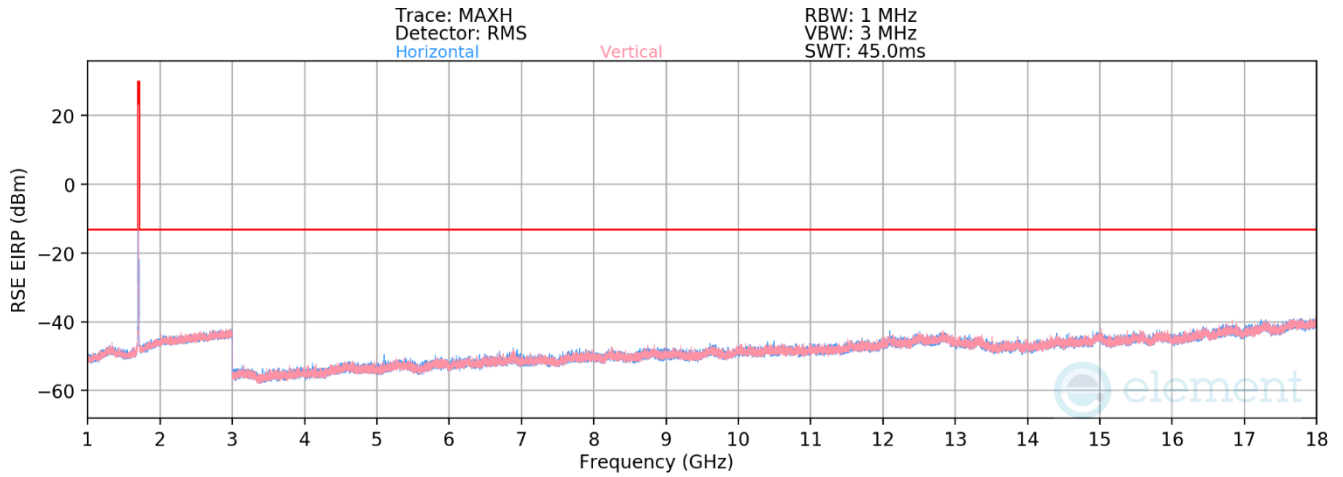
Bandwidth (MHz):	40
Frequency (MHz):	1760.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3520.0	H	-	-	-76.51	3.16	33.65	-61.60	-13.00	-48.60
5280.0	H	236	184	-75.71	8.28	39.56	-55.69	-13.00	-42.69
7040.0	H	-	-	-79.16	9.91	37.75	-57.50	-13.00	-44.50
8800.0	H	-	-	-78.05	11.09	40.04	-55.22	-13.00	-42.22
10560.0	H	-	-	-79.20	12.99	40.79	-54.47	-13.00	-41.47


Table 7-48. Antenna 3 Radiated Spurious Data (NR Band n66 – High Channel)

FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n70



Plot 7-485. Antenna 3 Radiated Spurious Emission above 1GHz (NR Band n70)

FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270068-09.BCG	Test Dates: 12/20/2023 - 3/20/2024	EUT Type: Tablet Device	Page 309 of 345

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Bandwidth (MHz):	10
Frequency (MHz):	1700.0
RB / Offset:	1 / 25

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]
3400.0	H	-	-	-77.41	3.01	32.60	-62.66	-13.00	-49.66
5100.0	H	-	-	-78.35	6.90	35.55	-59.71	-13.00	-46.71
6800.0	H	-	-	-78.87	9.78	37.92	-57.34	-13.00	-44.34

Table 7-49. Antenna 3 Radiated Spurious Data (NR Band n70 – Low Channel)

Bandwidth (MHz):	15
Frequency (MHz):	1702.5
RB / Offset:	1 / 36


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]
3405.0	H	-	-	-76.97	2.85	32.88	-62.38	-13.00	-49.38
5107.5	H	194	225	-75.30	6.91	38.61	-56.65	-13.00	-43.65
6810.0	H	-	-	-78.48	9.90	38.42	-56.83	-13.00	-43.83
8512.5	H	-	-	-78.40	10.36	38.96	-56.29	-13.00	-43.29
10215.0	H	-	-	-78.75	11.93	40.18	-55.08	-13.00	-42.08

Table 7-50. Antenna 3 Radiated Spurious Data (NR Band n70 – Mid Channel)

Bandwidth (MHz):	10
Frequency (MHz):	1705.0
RB / Offset:	1 / 25

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]
3410.0	H	-	-	-76.86	2.93	33.07	-62.18	-13.00	-49.18
5115.0	H	291	213	-75.51	7.12	38.61	-56.65	-13.00	-43.65
6820.0	H	-	-	-78.43	9.93	38.50	-56.76	-13.00	-43.76
8525.0	H	-	-	-78.26	10.25	38.99	-56.26	-13.00	-43.26
10230.0	H	-	-	-79.02	12.13	40.11	-55.15	-13.00	-42.15

Table 7-51. Antenna 3 Radiated Spurious Data (NR Band n70 – High Channel)

FCC ID: BCGA2837	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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