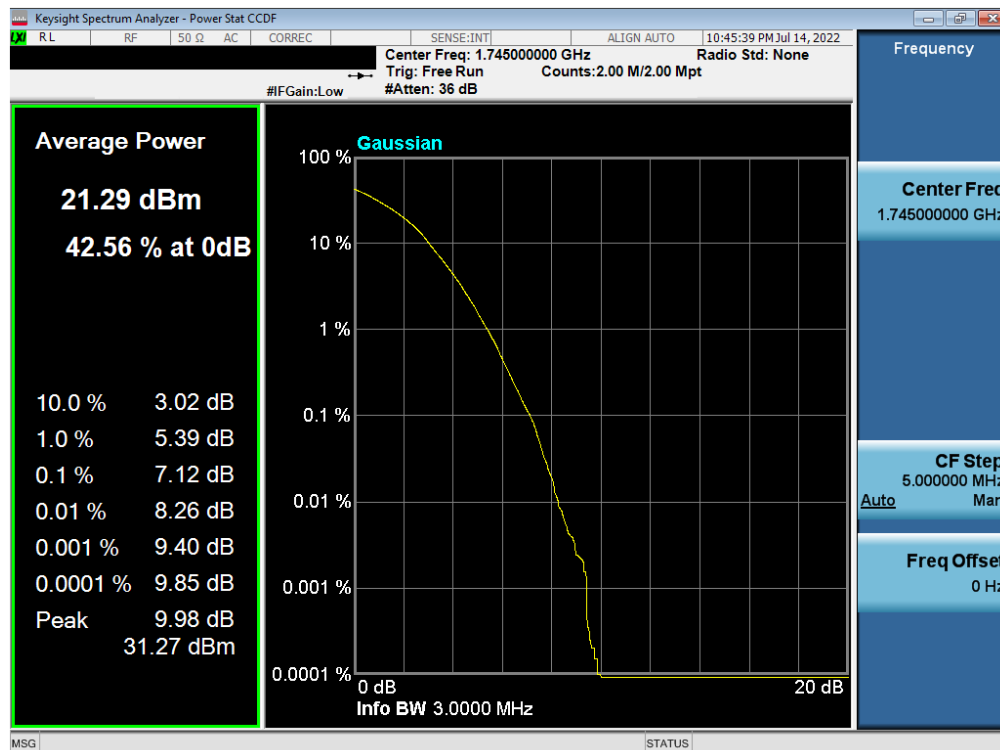



Plot 7-338. PAR Plot (LTE Band 66 - 3MHz 64-QAM - Full RB)

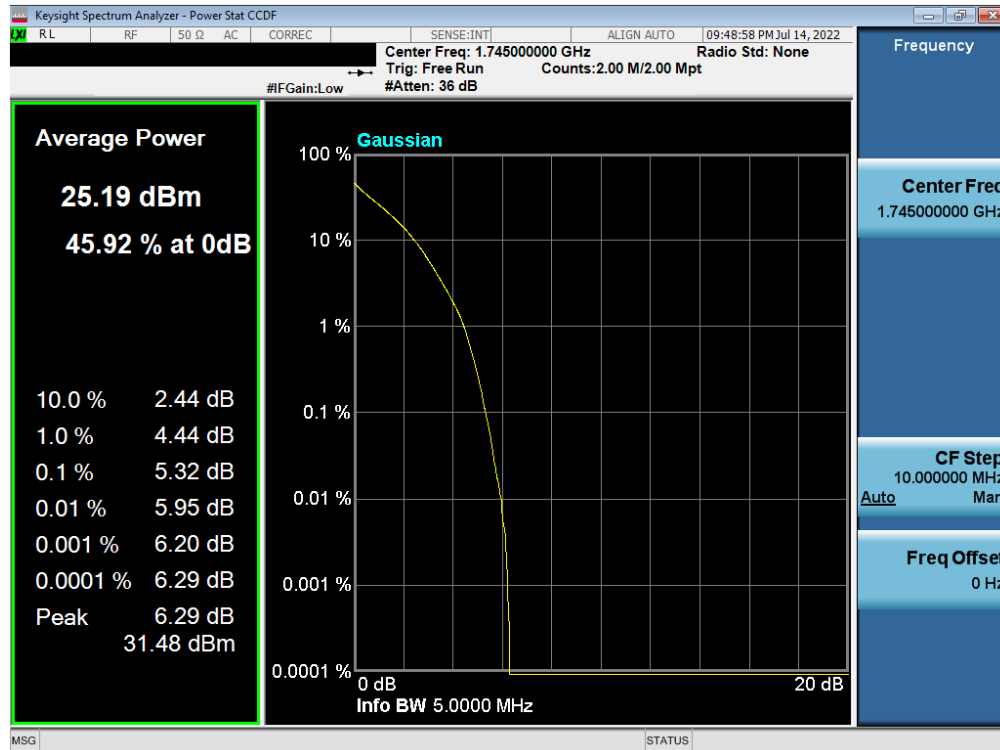


Plot 7-339. PAR Plot (LTE Band 66 - 3MHz 256-QAM - Full RB)

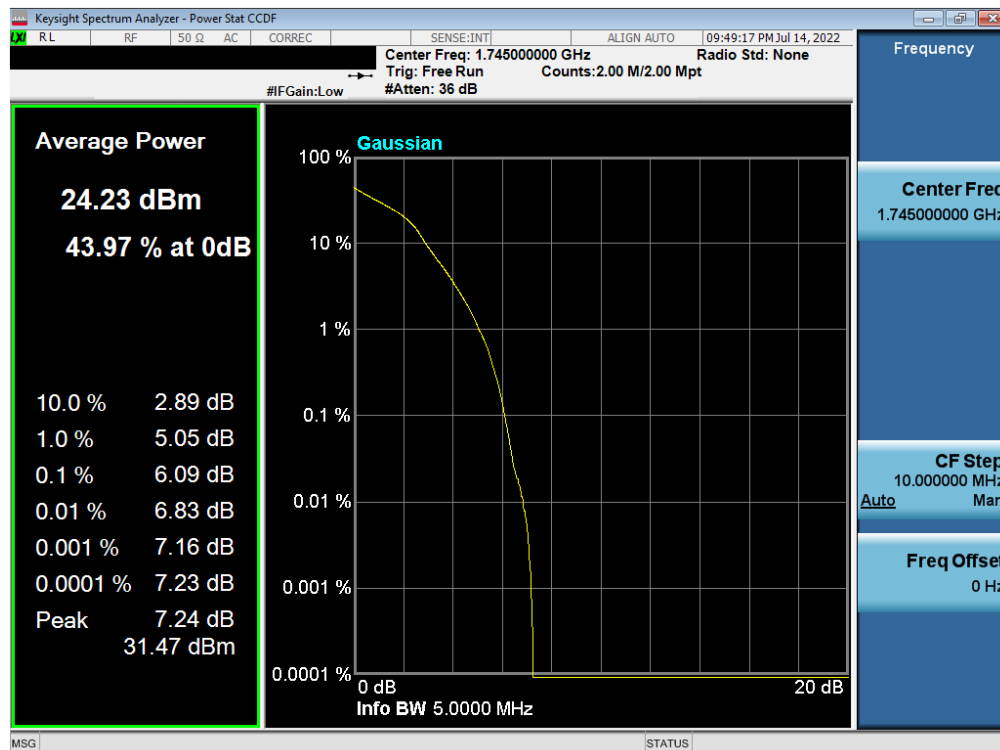
FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 197 of 315

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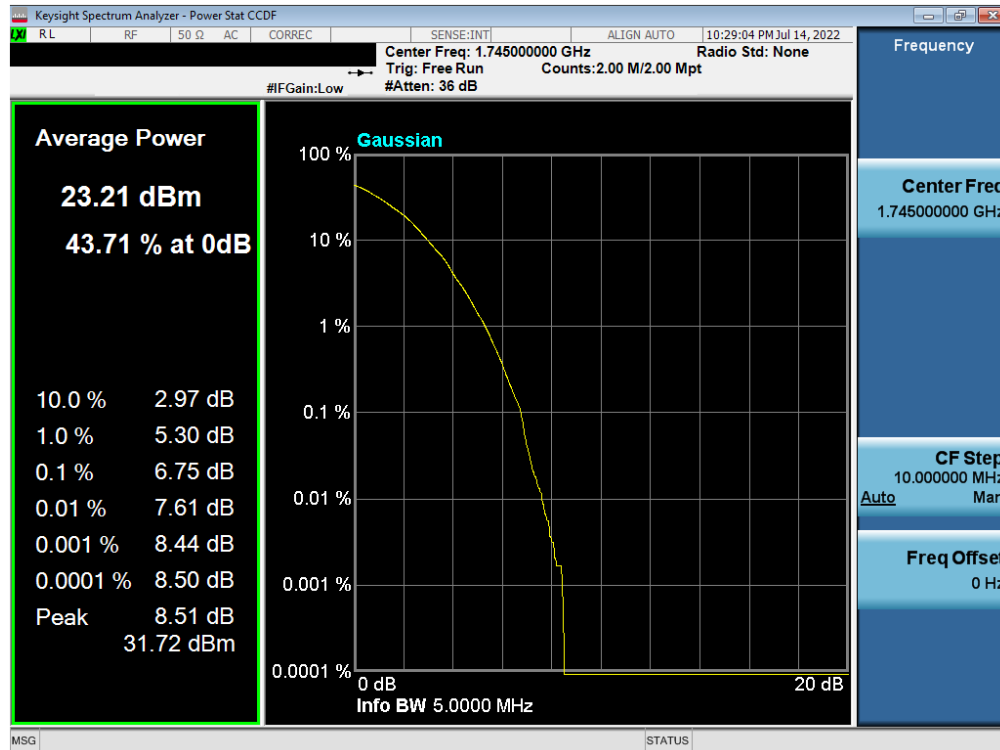
Plot 7-340. PAR Plot (LTE Band 66 - 5MHz QPSK - Full RB)



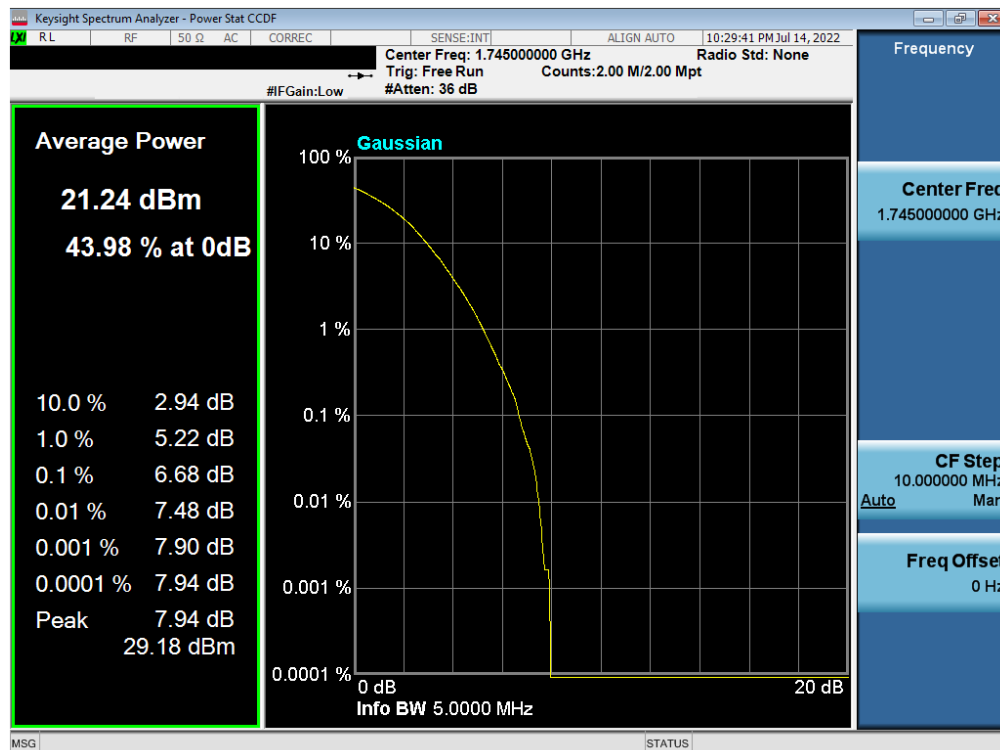
Plot 7-341. PAR Plot (LTE Band 66 - 5MHz 16-QAM - Full RB)

FCC ID: BCGA2757	<p>element PART 27 MEASUREMENT REPORT</p>		Approved by: Technical Manager
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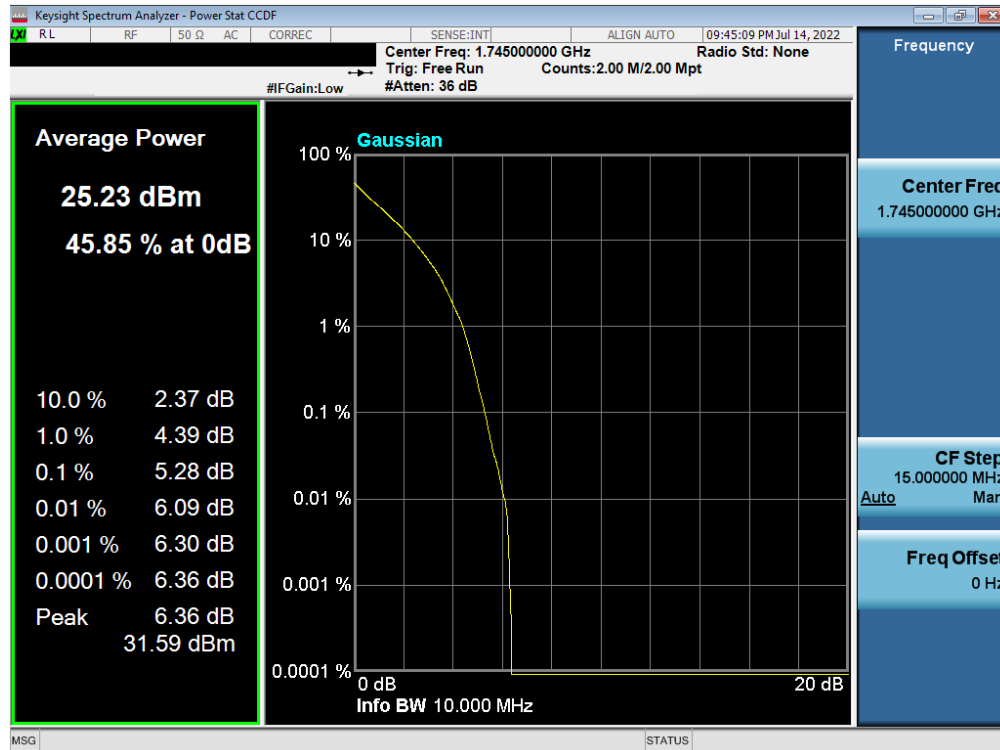
Plot 7-342. PAR Plot (LTE Band 66 - 5MHz 64-QAM - Full RB)



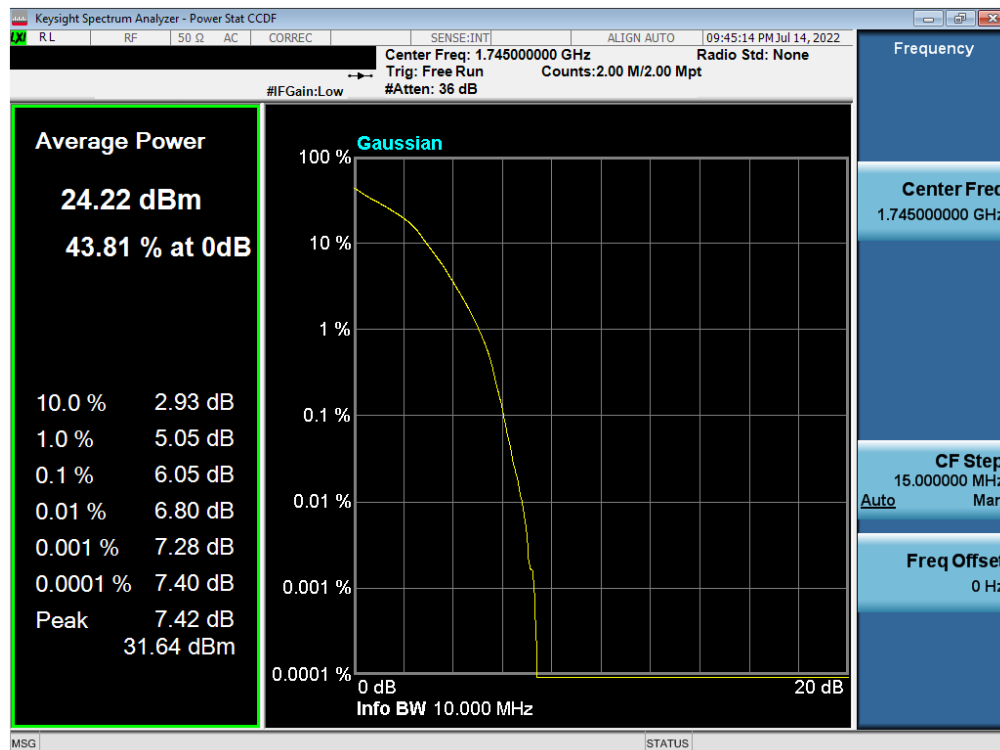
Plot 7-343. PAR Plot (LTE Band 66 - 5MHz 256-QAM - Full RB)

FCC ID: BCGA2757	<p>element</p> <p>PART 27 MEASUREMENT REPORT</p>		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 199 of 315

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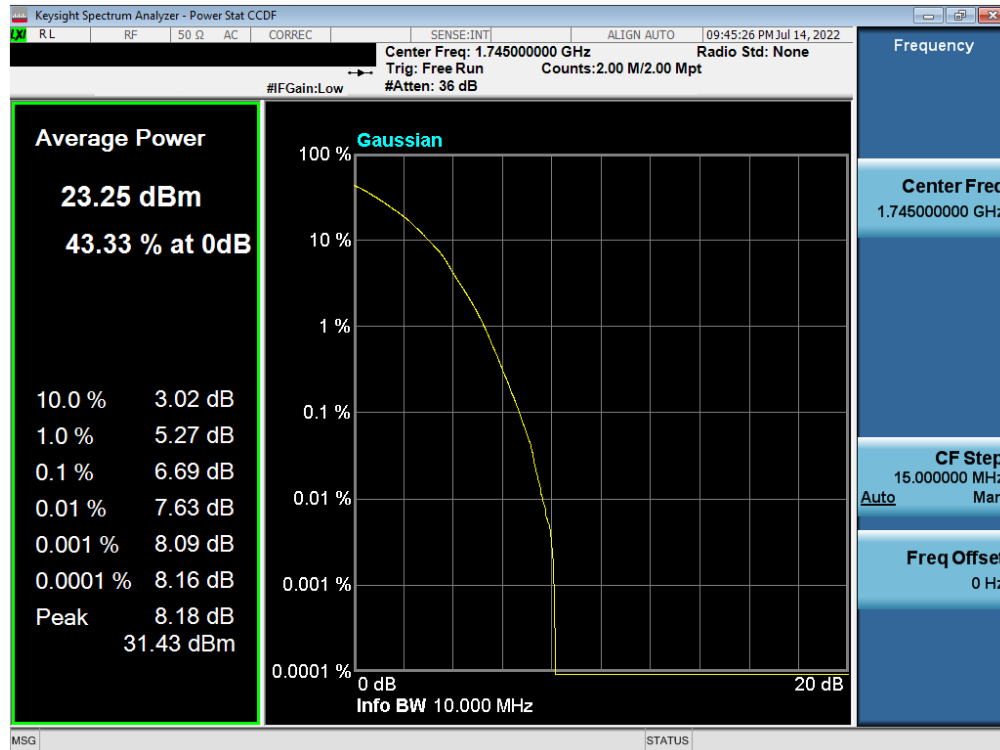
Plot 7-344. PAR Plot (LTE Band 66 - 10MHz QPSK - Full RB)



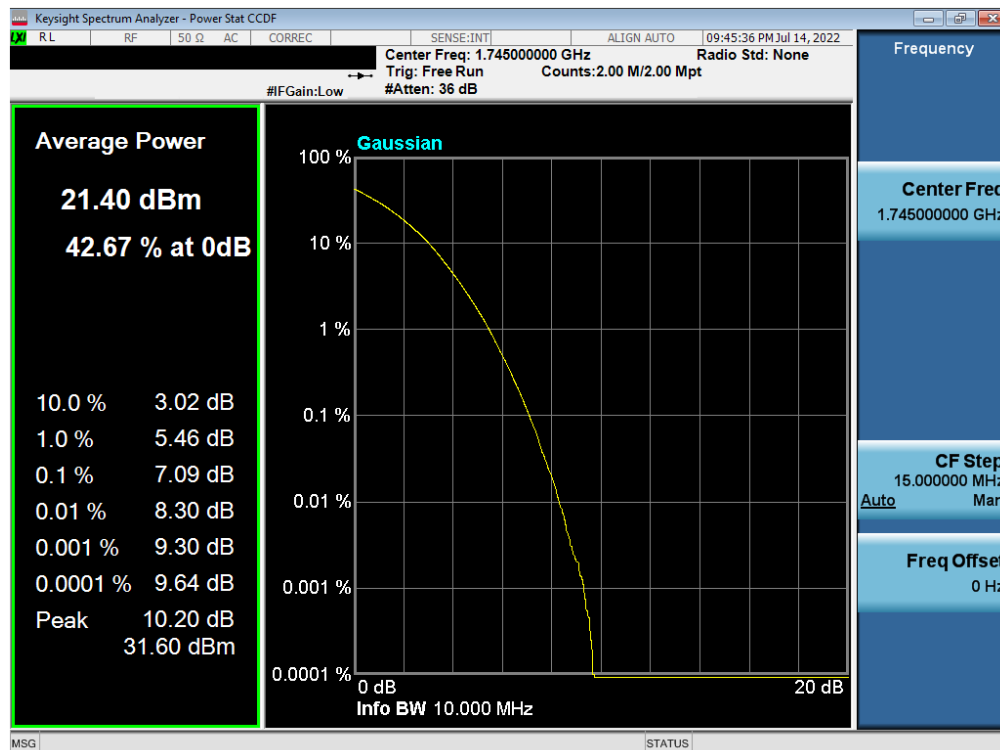
Plot 7-345. PAR Plot (LTE Band 66 - 10MHz 16-QAM - Full RB)

FCC ID: BCGA2757	<p>element</p> <p>PART 27 MEASUREMENT REPORT</p>		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 200 of 315

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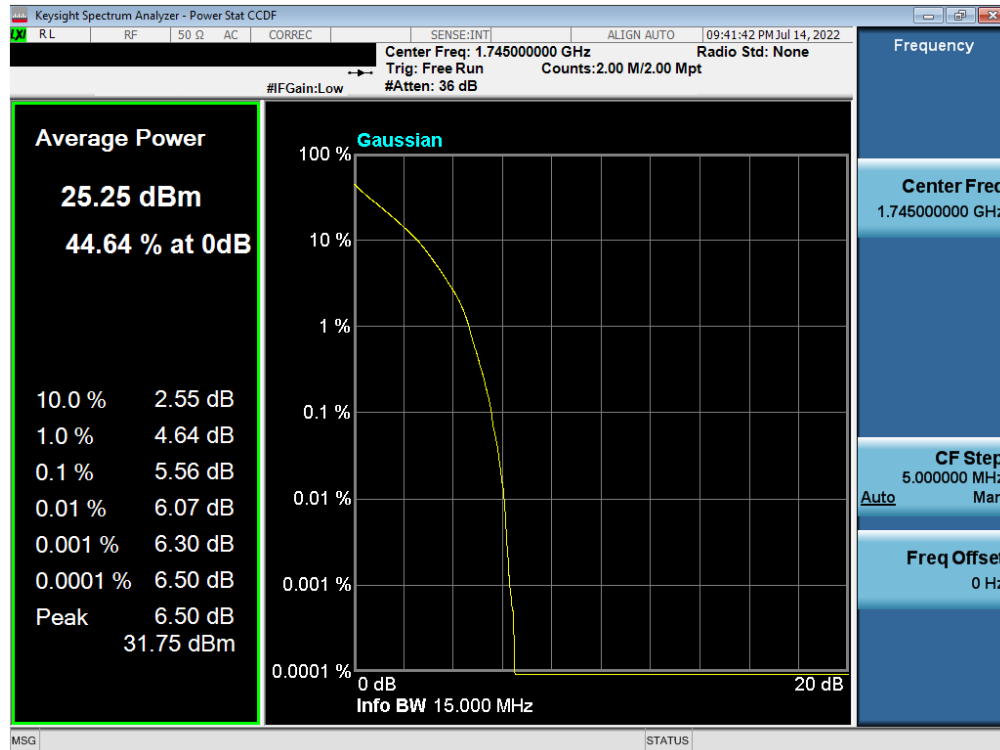
Plot 7-346. PAR Plot (LTE Band 66 - 10MHz 64-QAM - Full RB)



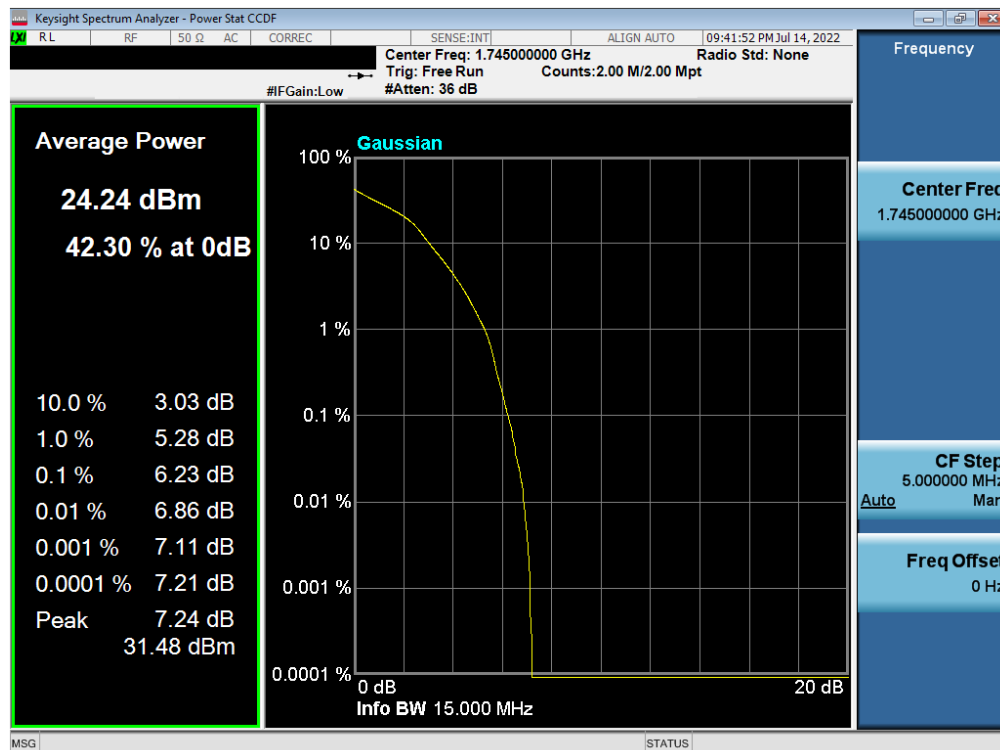
Plot 7-347. PAR Plot (LTE Band 66 - 10MHz 256-QAM - Full RB)

FCC ID: BCGA2757	<p>element PART 27 MEASUREMENT REPORT</p>		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 201 of 315

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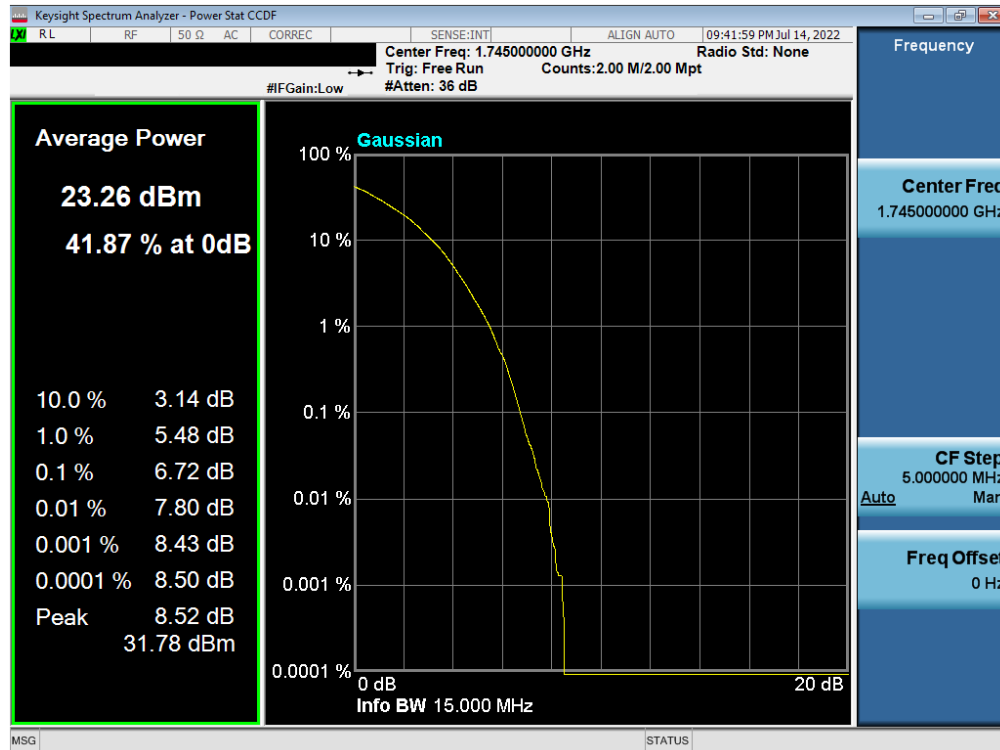


Plot 7-348. PAR Plot (LTE Band 66 - 15MHz QPSK - Full RB)

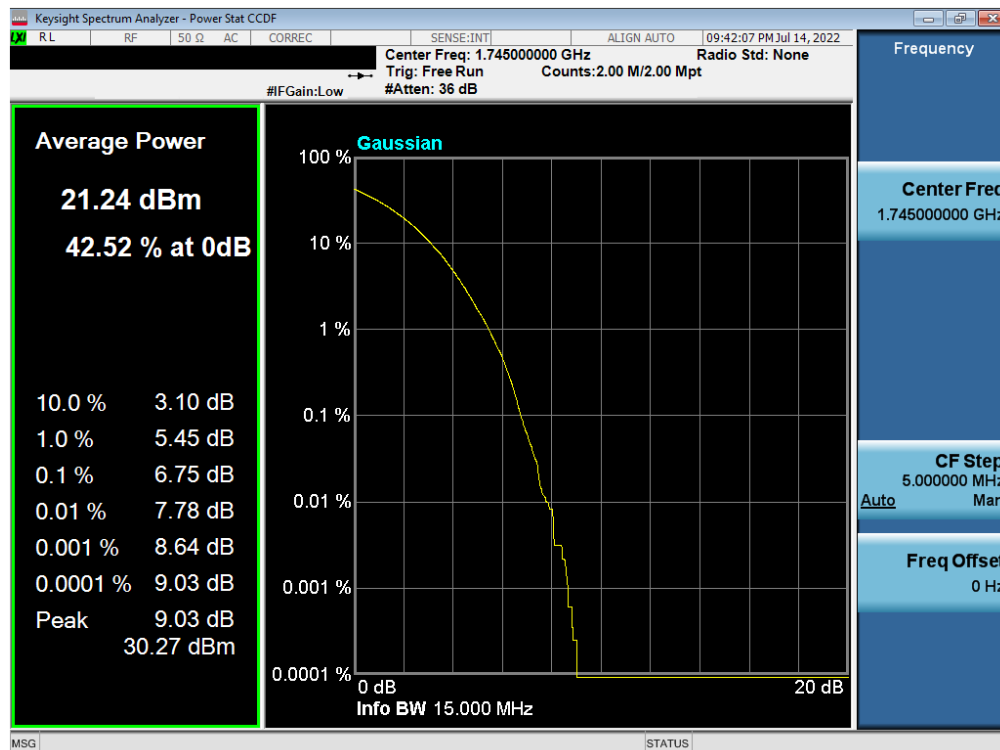


Plot 7-349. PAR Plot (LTE Band 66 - 15MHz 16-QAM - Full RB)

FCC ID: BCGA2757	<p>element PART 27 MEASUREMENT REPORT</p>		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 202 of 315



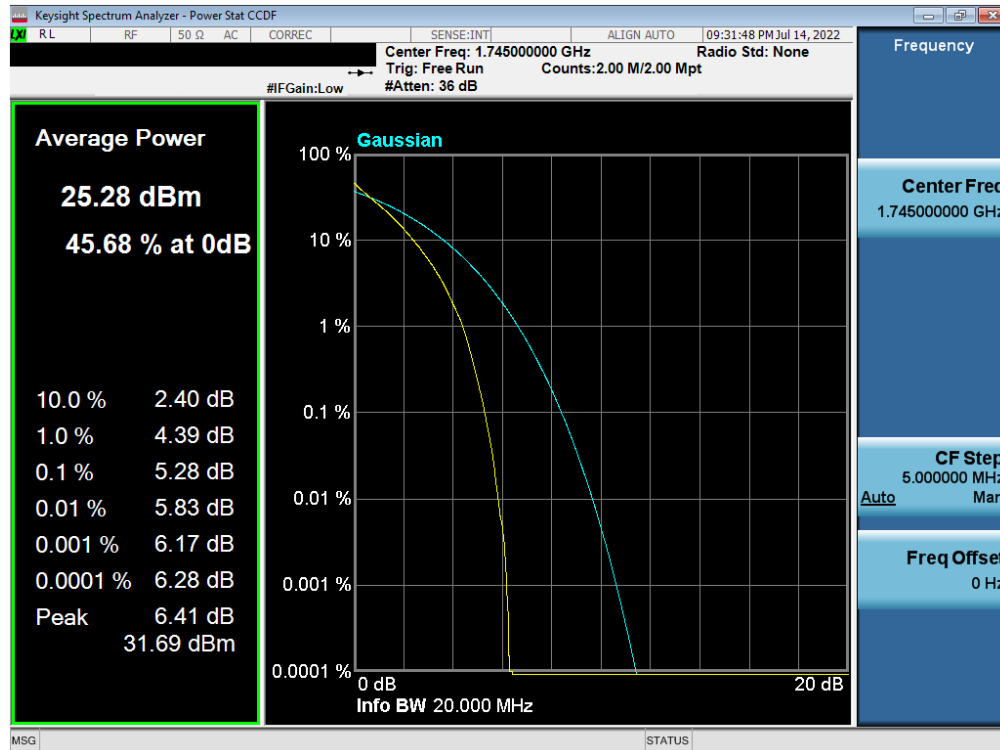
Plot 7-350. PAR Plot (LTE Band 66 - 15MHz 64-QAM - Full RB)



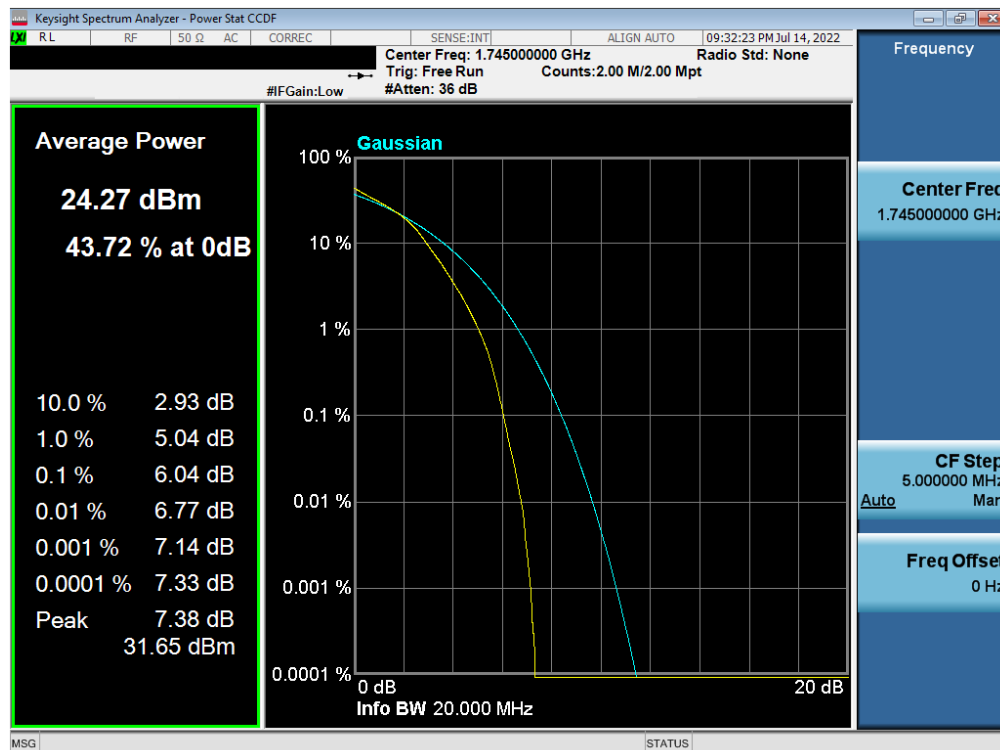
Plot 7-351. PAR Plot (LTE Band 66 - 15MHz 256-QAM - Full RB)

FCC ID: BCGA2757	<p>element PART 27 MEASUREMENT REPORT</p>		Approved by: Technical Manager
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Plot 7-352. PAR Plot (LTE Band 66 - 20MHz QPSK - Full RB)

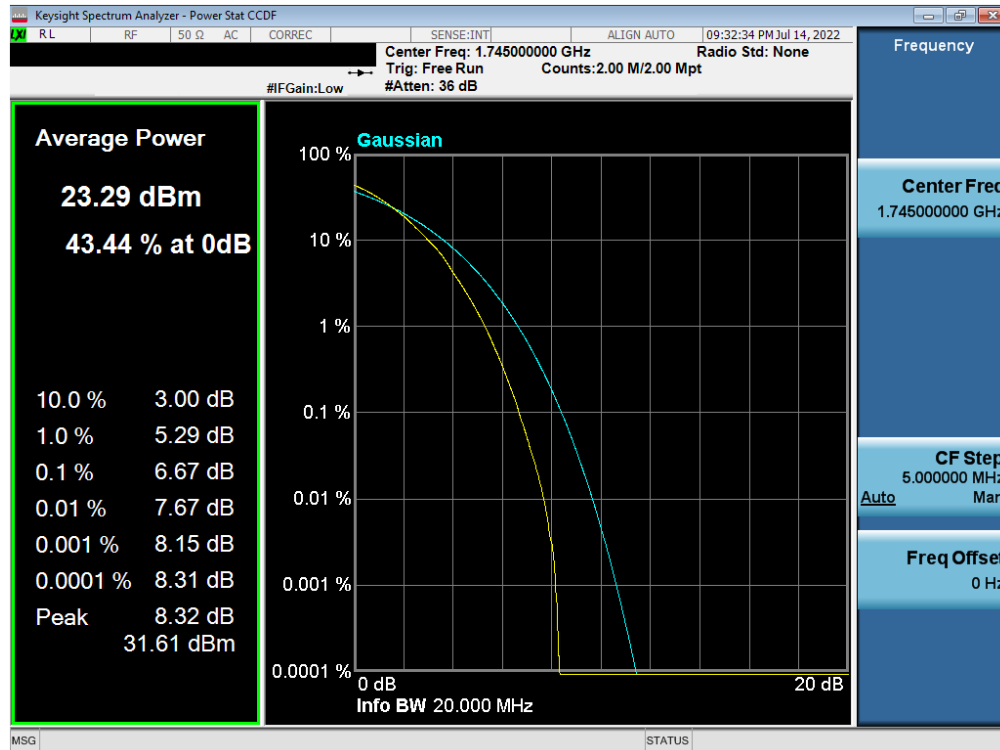


Plot 7-353. PAR Plot (LTE Band 66 - 20MHz 16-QAM - Full RB)

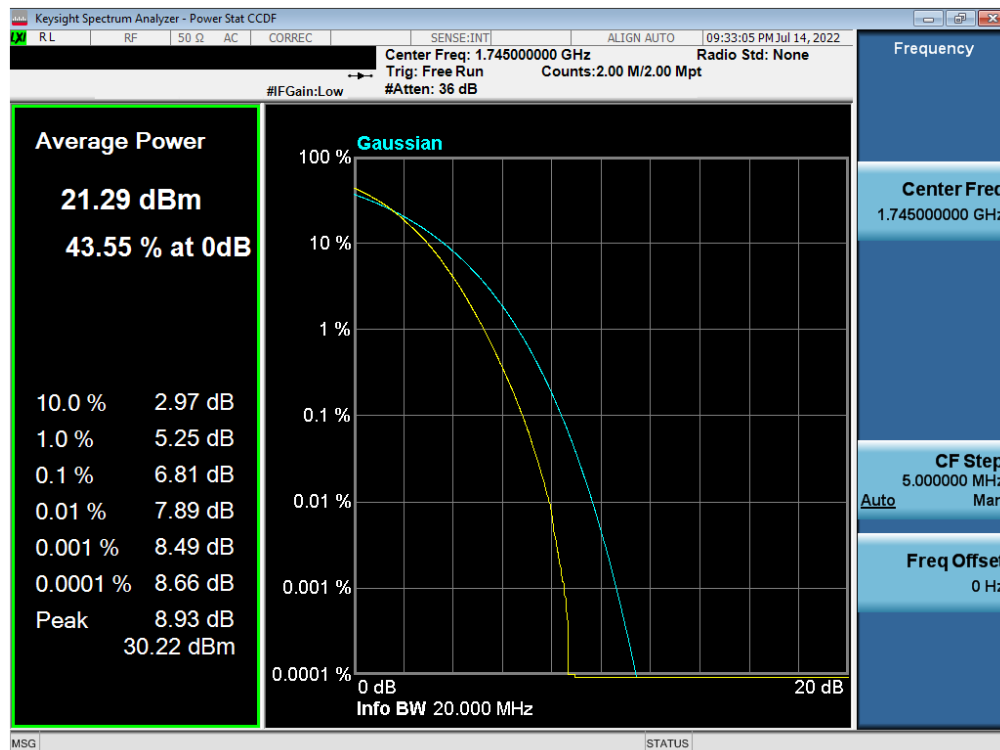
FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 204 of 315

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Plot 7-354. PAR Plot (LTE Band 66 - 20MHz 64-QAM - Full RB)

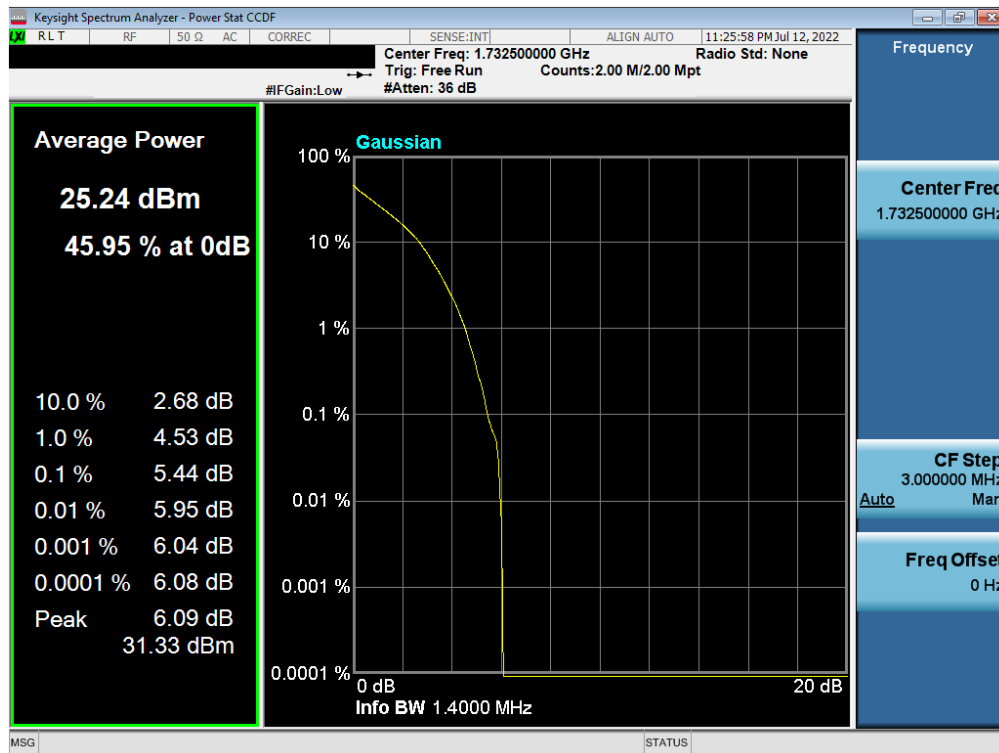


Plot 7-355. PAR Plot (LTE Band 66 - 20MHz 256-QAM - Full RB)

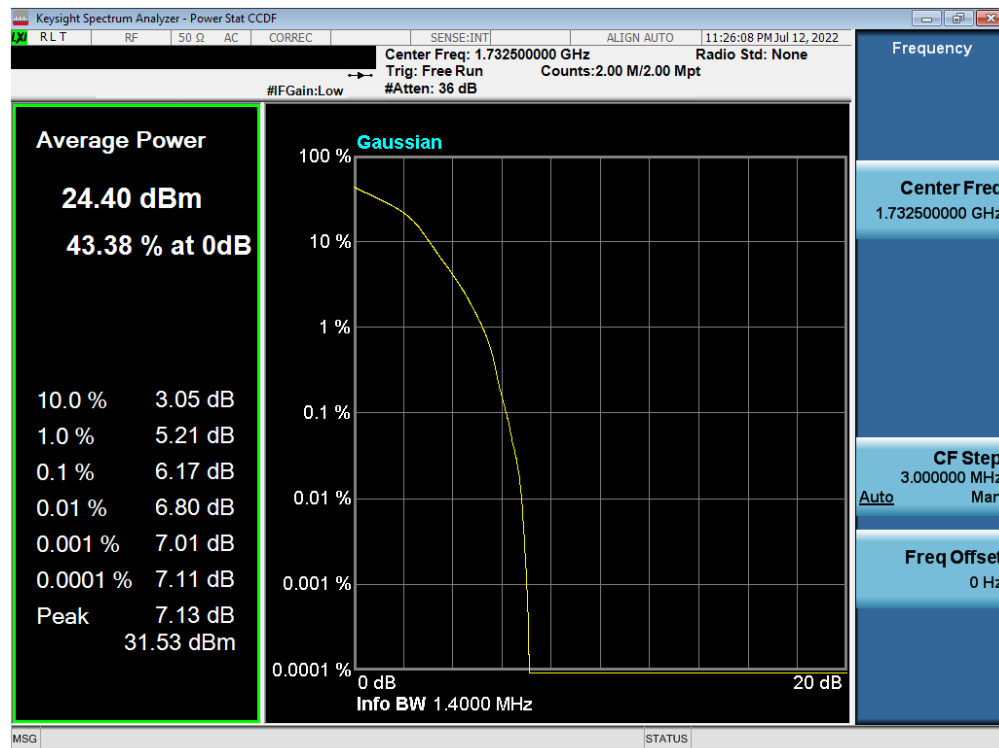
FCC ID: BCGA2757	<p>element</p> <p>PART 27 MEASUREMENT REPORT</p>		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 205 of 315

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## LTE Band 4



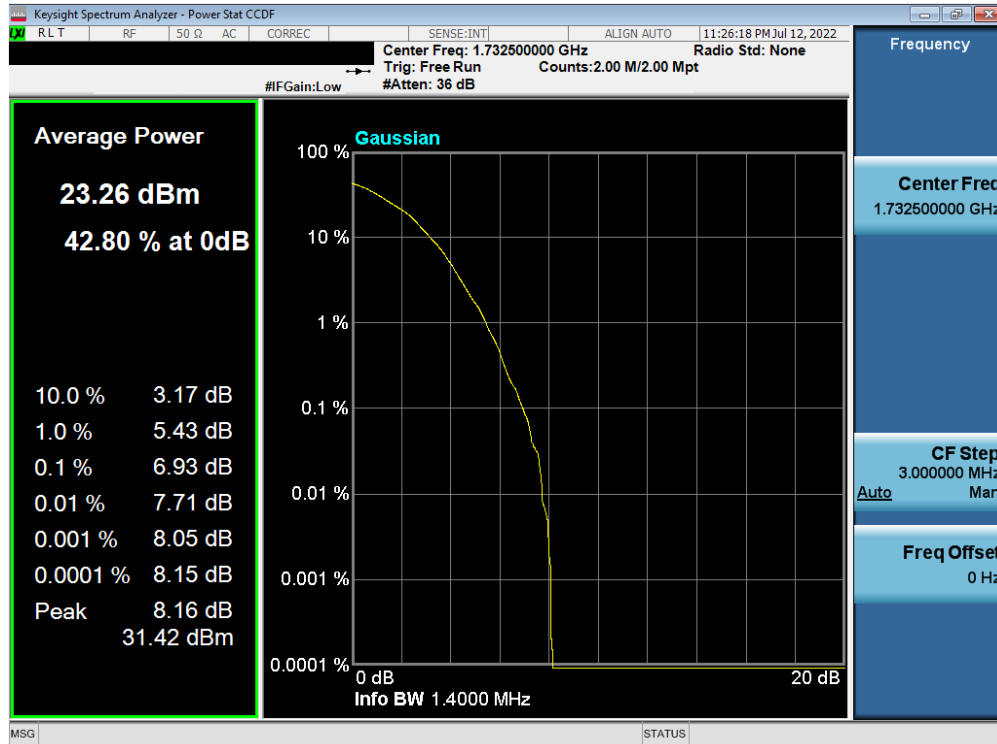
Plot 7-356. PAR Plot (LTE Band 4 - 1.4MHz QPSK - Full RB)



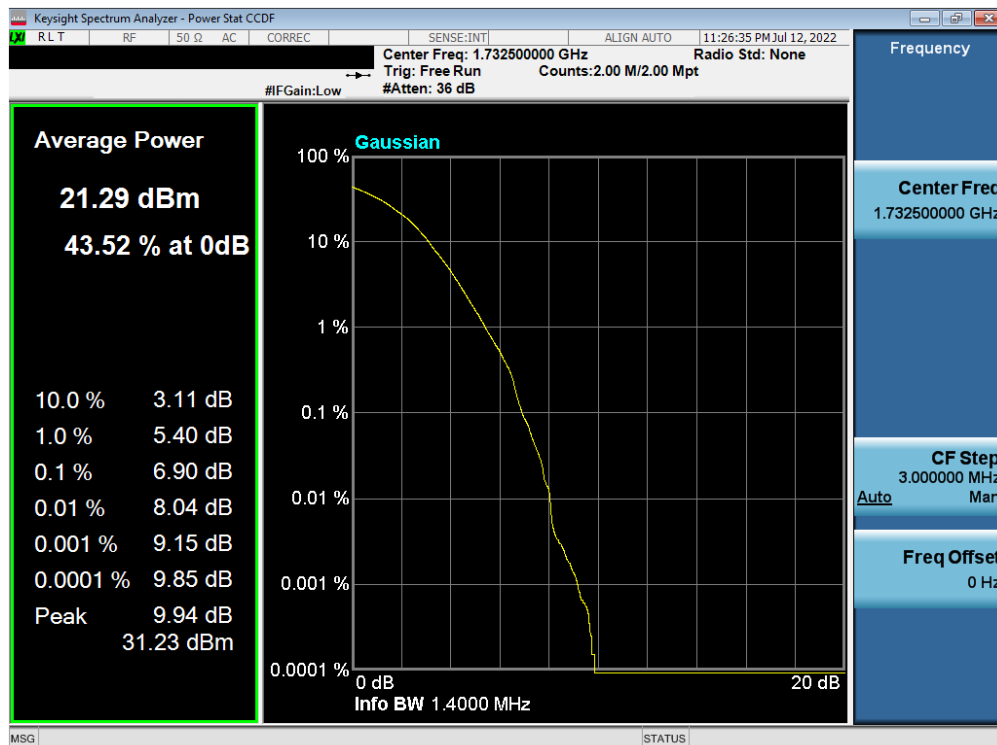
Plot 7-357. PAR Plot (LTE Band 4 - 1.4MHz 16-QAM - Full RB)

FCC ID: BCGA2757		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-358. PAR Plot (LTE Band 4 - 1.4MHz 64-QAM - Full RB)

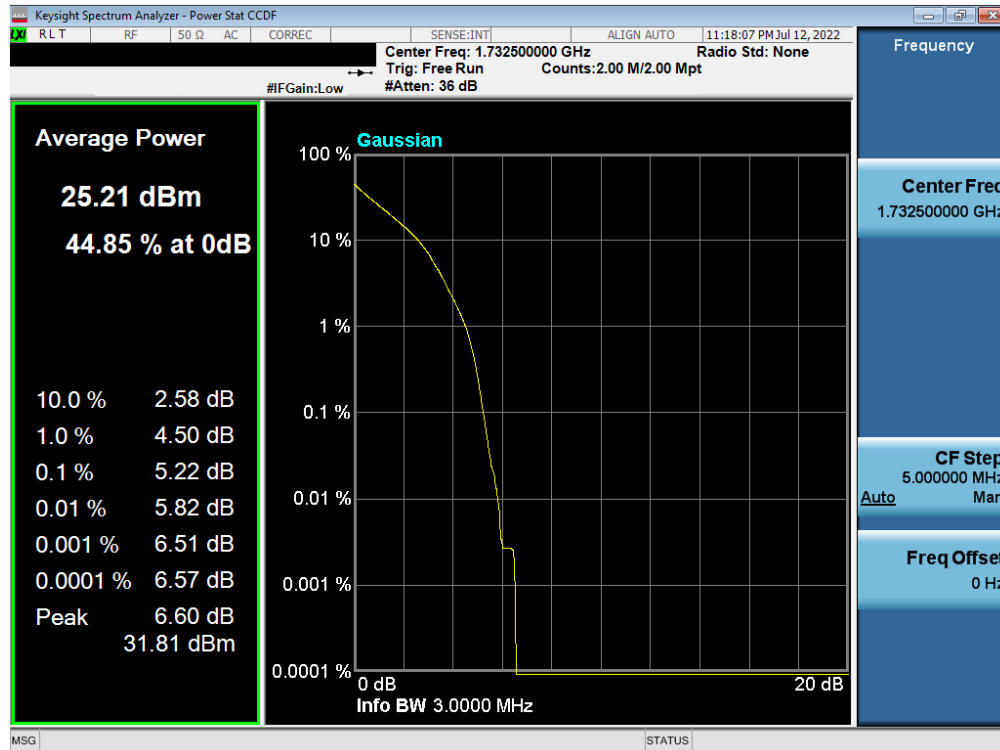


Plot 7-359. PAR Plot (LTE Band 4 - 1.4MHz 256-QAM - Full RB)

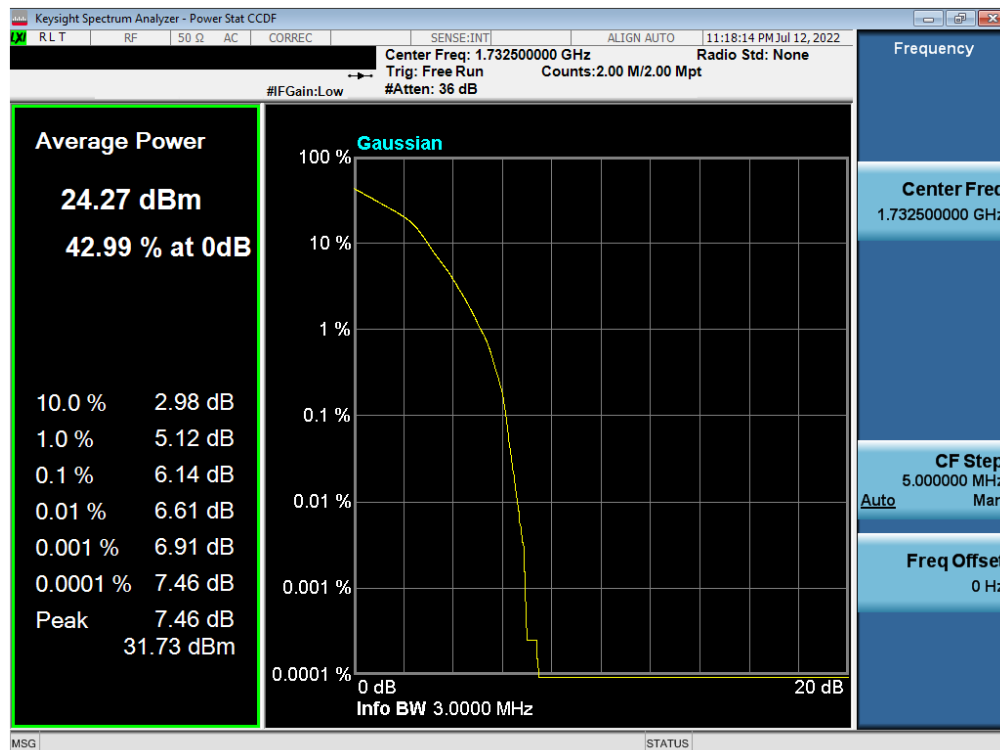
FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 207 of 315

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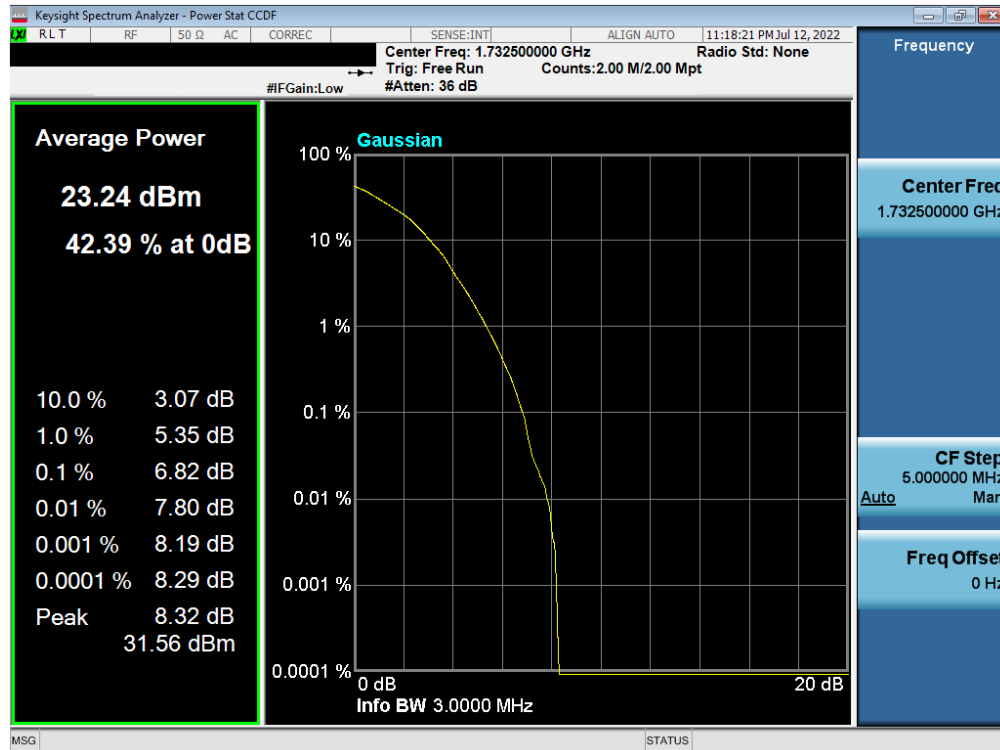
Plot 7-360. PAR Plot (LTE Band 4 - 3MHz QPSK - Full RB)



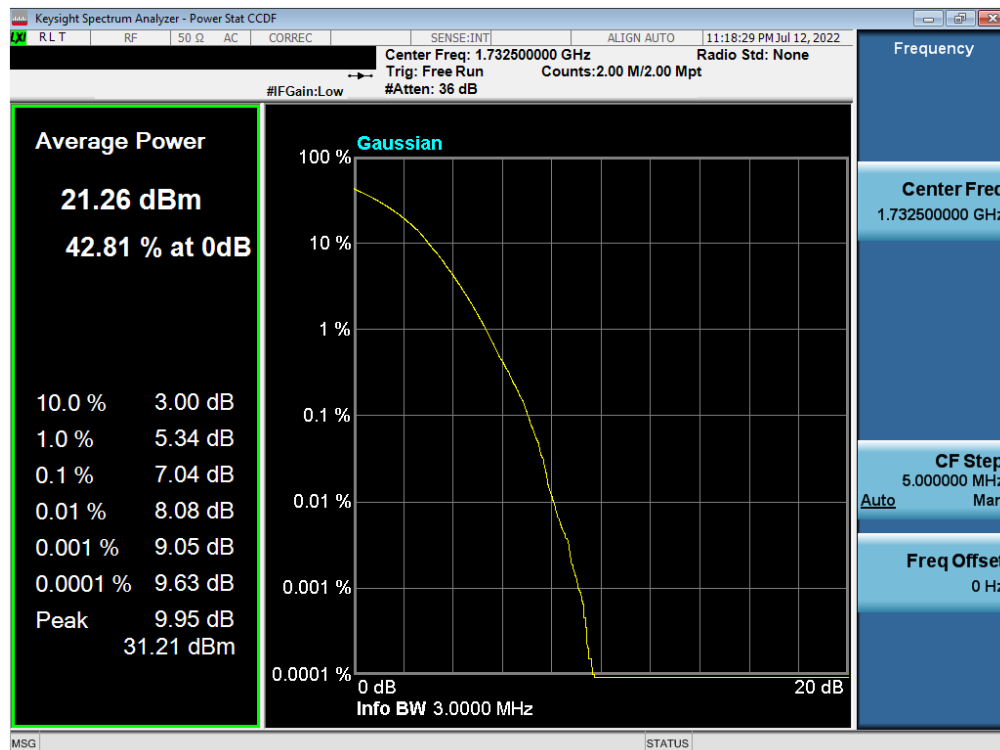
Plot 7-361. PAR Plot (LTE Band 4 - 3MHz 16-QAM - Full RB)

FCC ID: BCGA2757	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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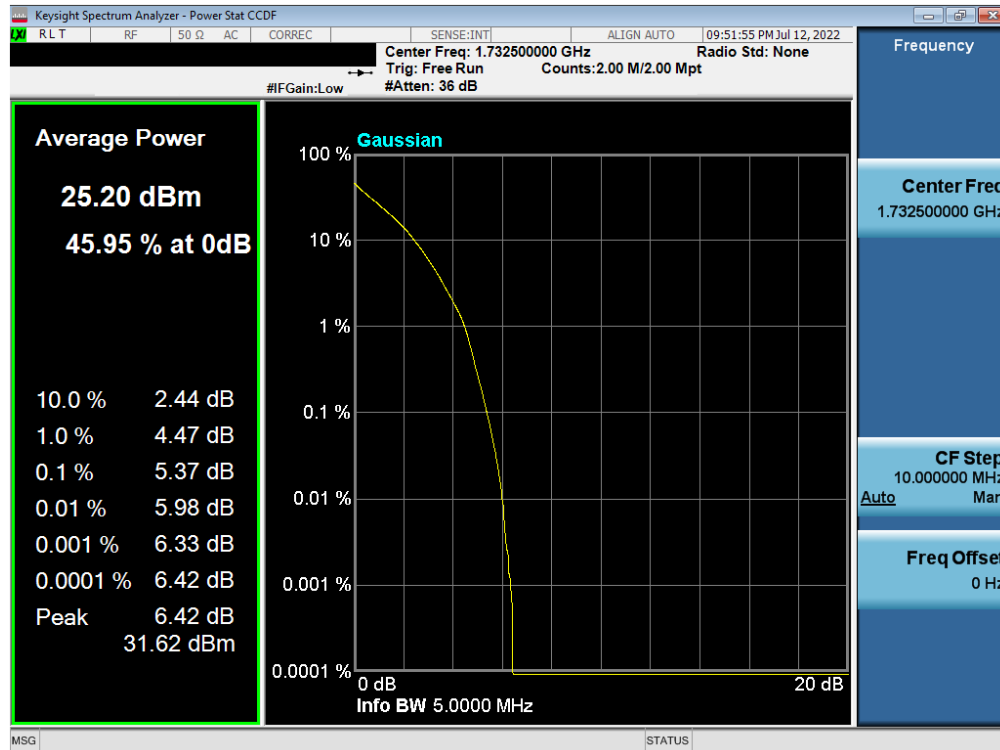
Plot 7-362. PAR Plot (LTE Band 4 - 3MHz 64-QAM - Full RB)



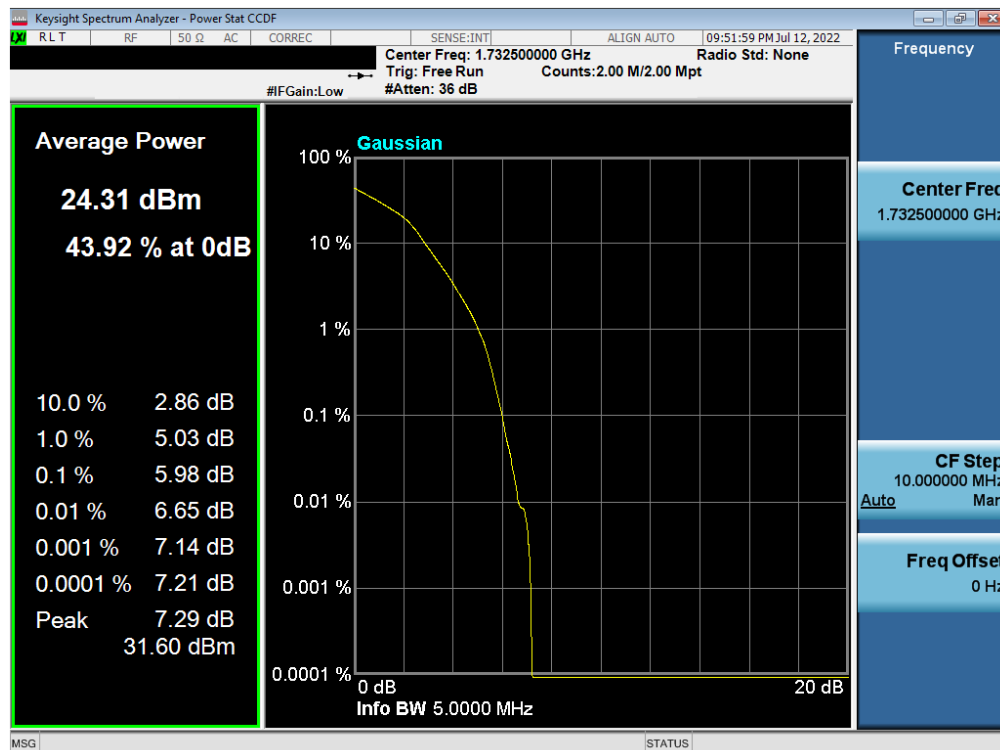
Plot 7-363. PAR Plot (LTE Band 4 - 3MHz 256-QAM - Full RB)

FCC ID: BCGA2757	<p>element PART 27 MEASUREMENT REPORT</p>		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 209 of 315

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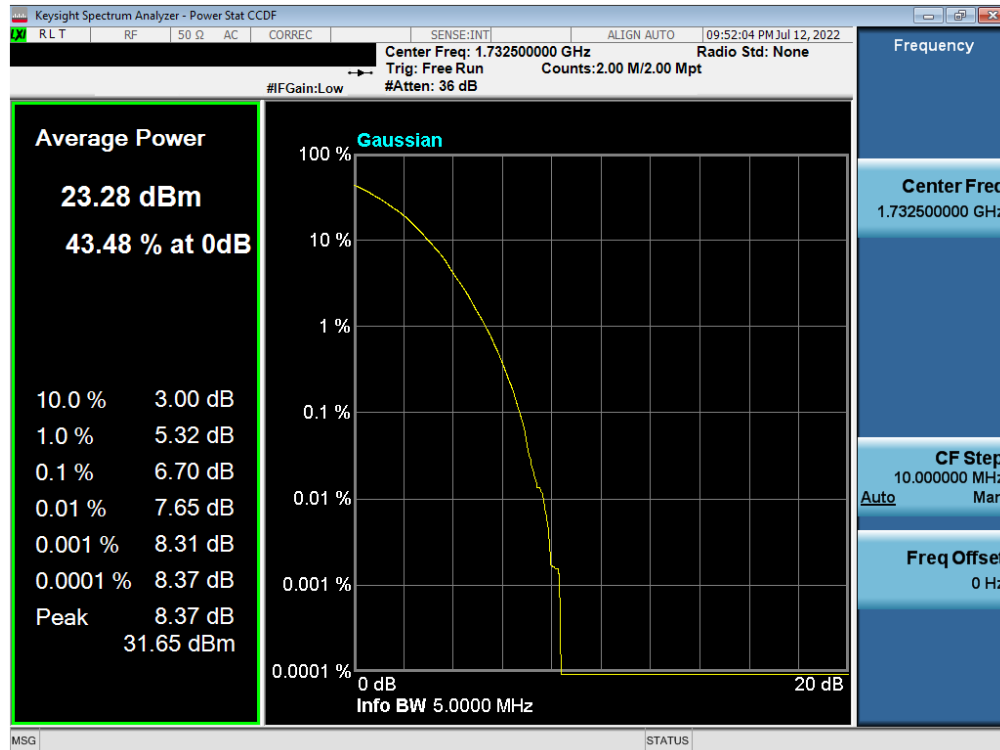
Plot 7-364. PAR Plot (LTE Band 4 - 5MHz QPSK - Full RB)



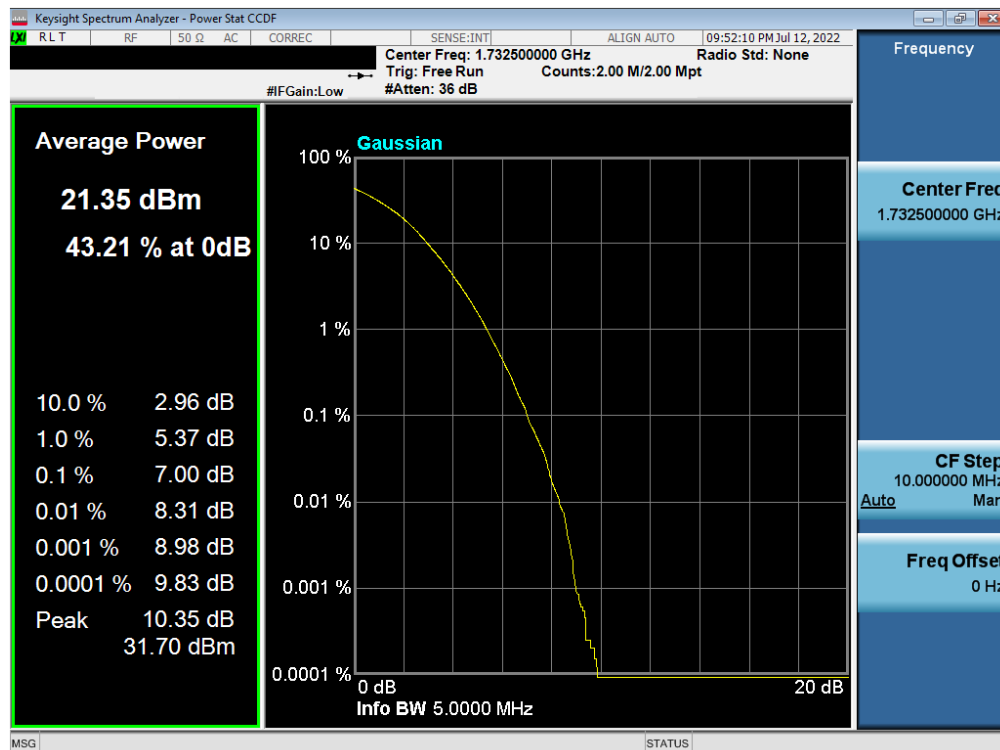
Plot 7-365. PAR Plot (LTE Band 4 - 5MHz 16-QAM - Full RB)

FCC ID: BCGA2757	<p>element PART 27 MEASUREMENT REPORT</p>		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 210 of 315

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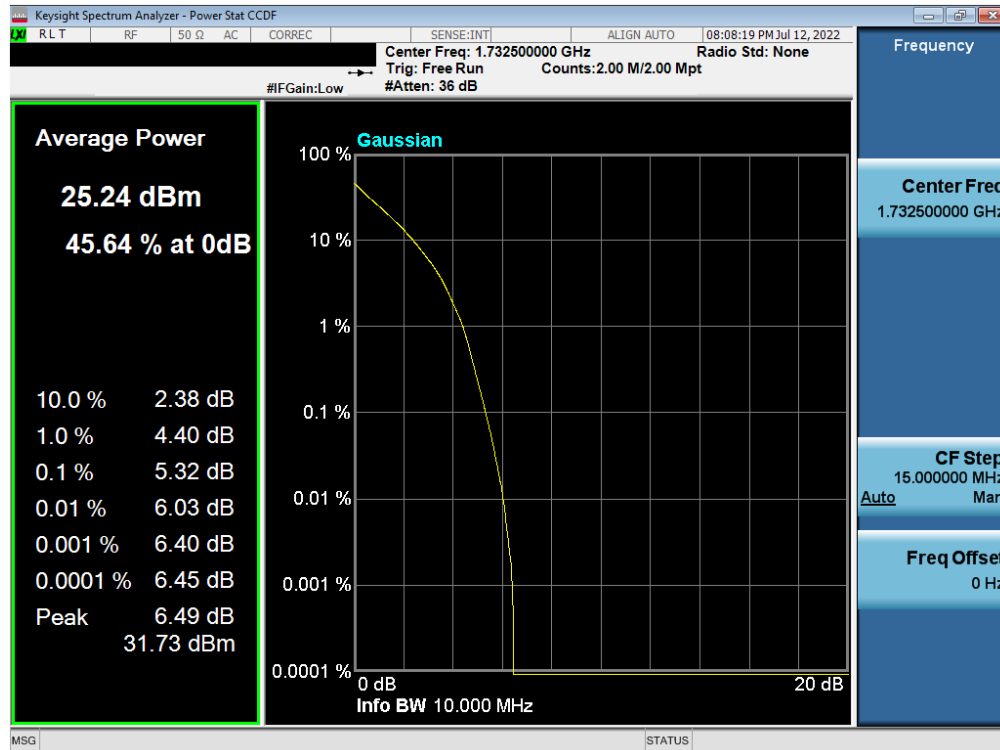


Plot 7-366. PAR Plot (LTE Band 4 - 5MHz 64-QAM - Full RB)

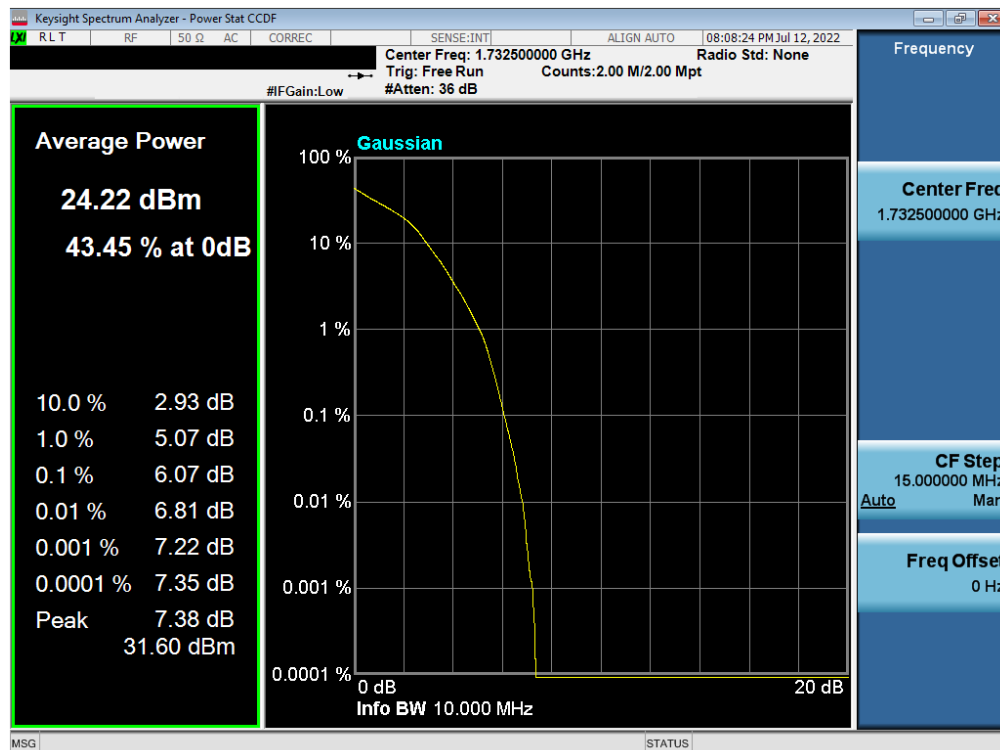


Plot 7-367. PAR Plot (LTE Band 4 - 5MHz 256-QAM - Full RB)

FCC ID: BCGA2757	<p>element PART 27 MEASUREMENT REPORT</p>		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 211 of 315



Plot 7-368. PAR Plot (LTE Band 4 - 10MHz QPSK - Full RB)

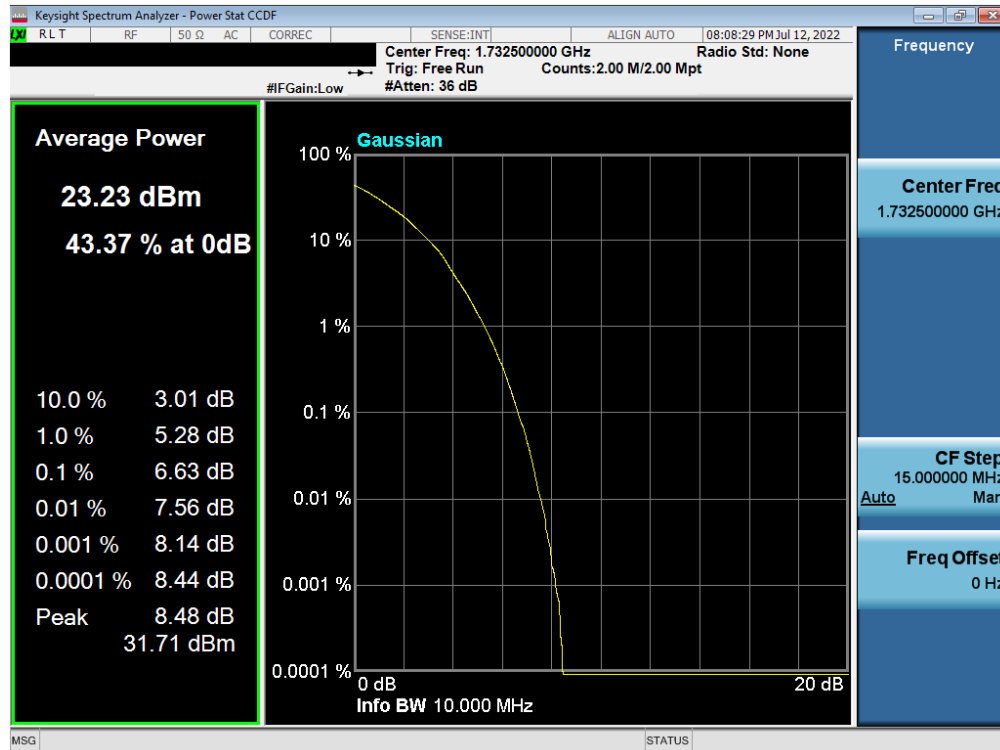


Plot 7-369. PAR Plot (LTE Band 4 - 10MHz 16-QAM - Full RB)

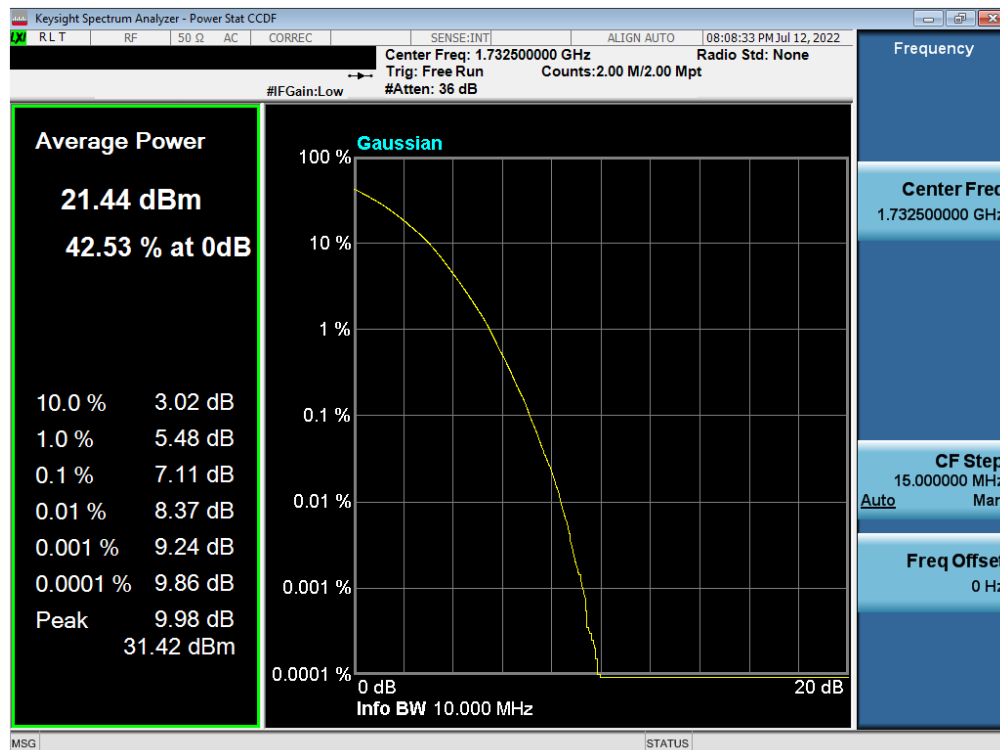
FCC ID: BCGA2757	<p>element</p> <p>PART 27 MEASUREMENT REPORT</p>		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 212 of 315

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Plot 7-370. PAR Plot (LTE Band 4 - 10MHz 64-QAM - Full RB)

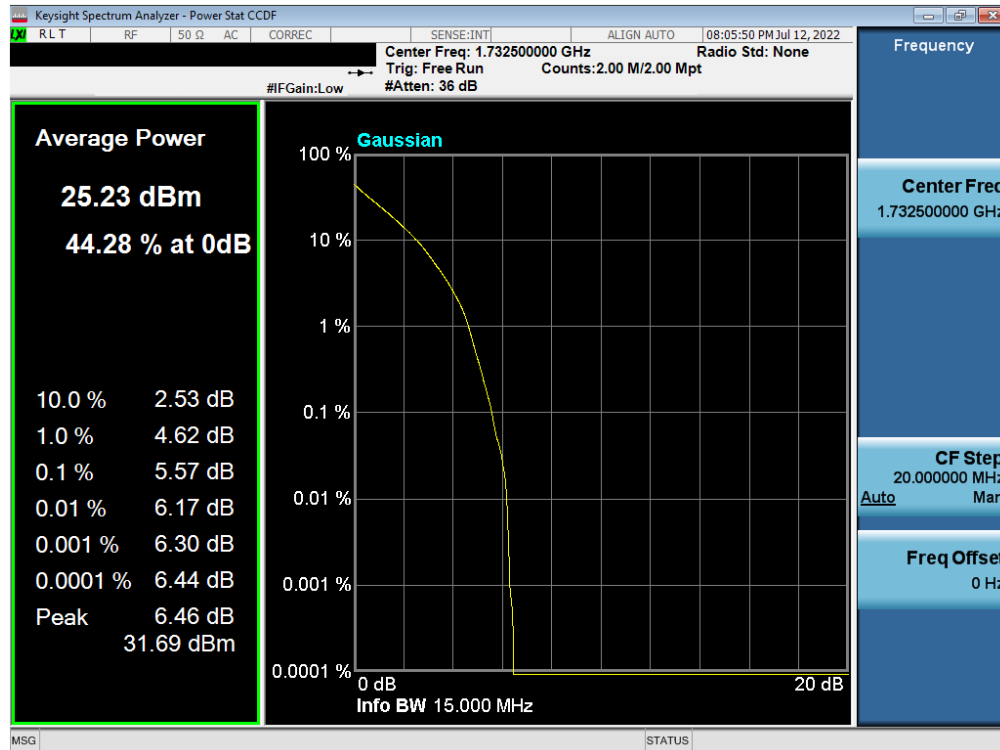


Plot 7-371. PAR Plot (LTE Band 4 - 10MHz 256-QAM - Full RB)

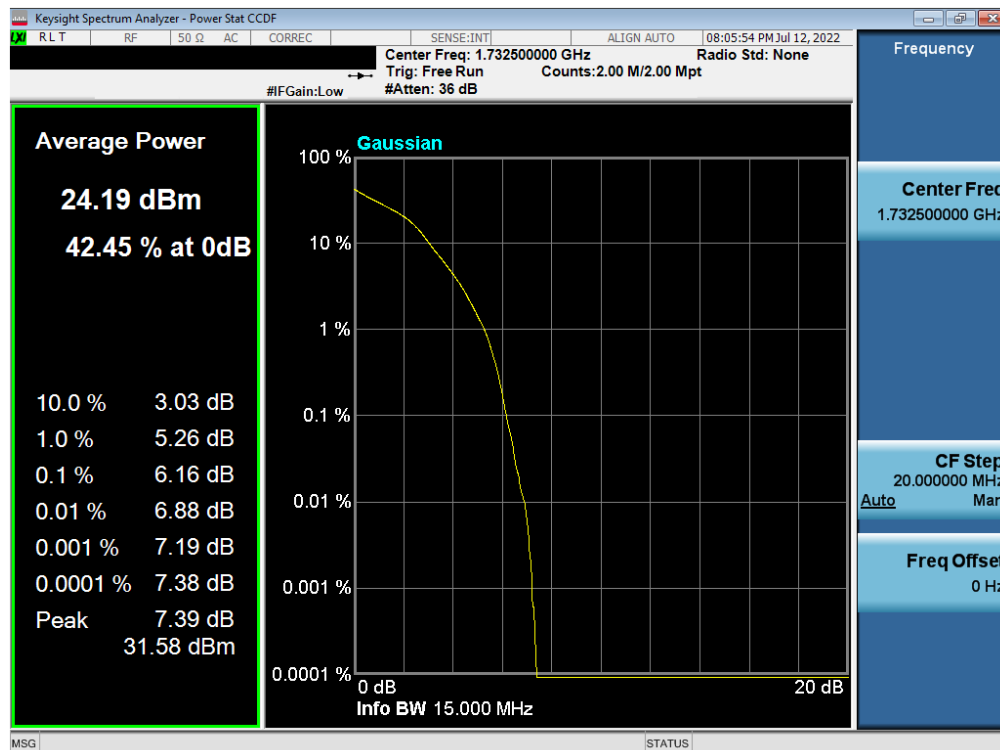
FCC ID: BCGA2757	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 213 of 315

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Plot 7-372. PAR Plot (LTE Band 4 - 15MHz QPSK - Full RB)

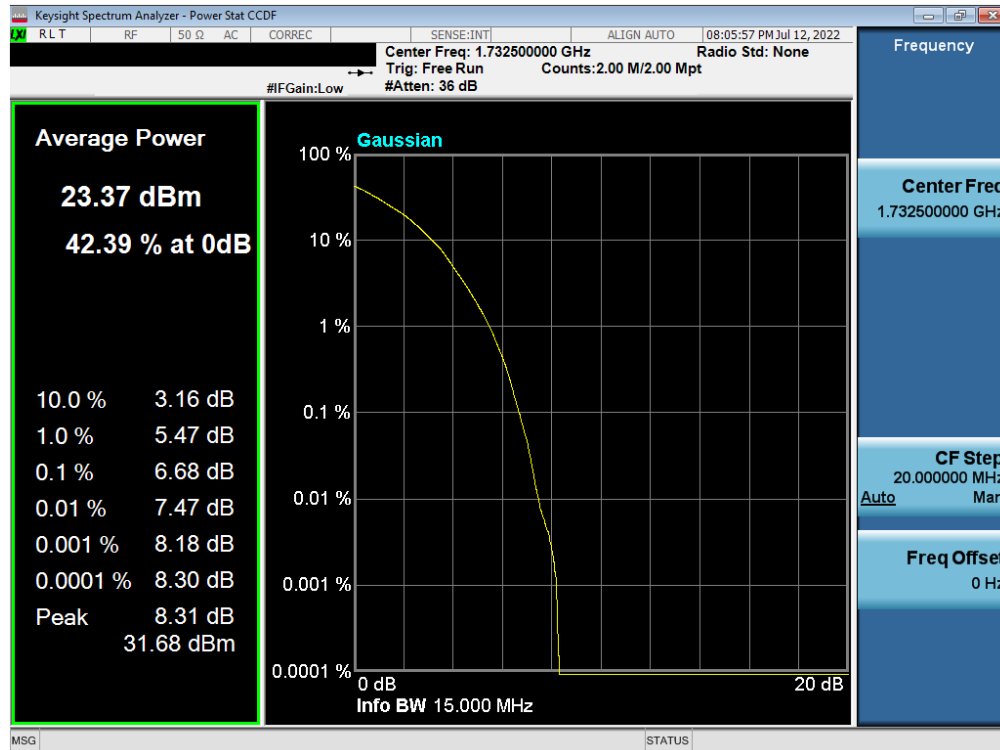


Plot 7-373. PAR Plot (LTE Band 4 - 15MHz 16-QAM - Full RB)

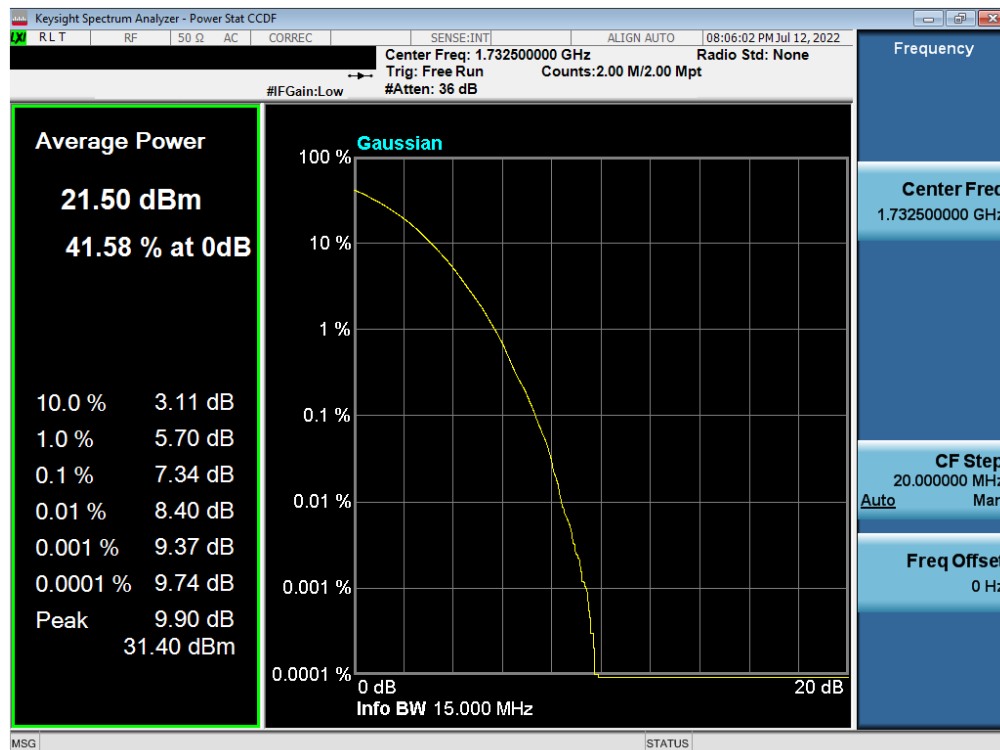
FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 214 of 315

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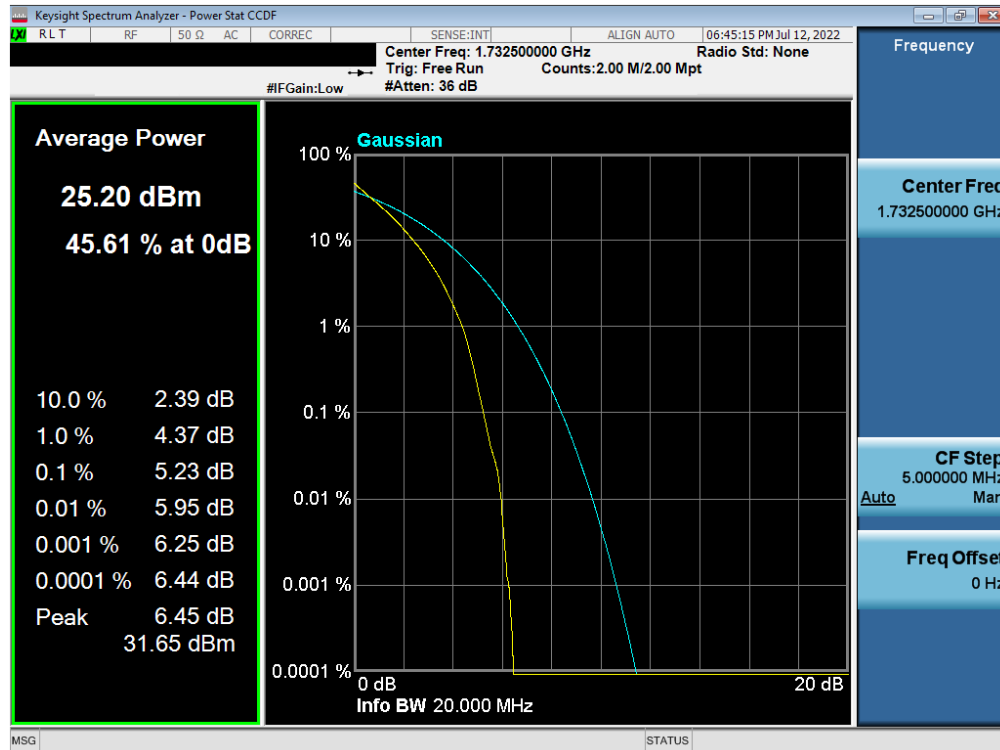
Plot 7-374. PAR Plot (LTE Band 4 - 15MHz 64-QAM - Full RB)



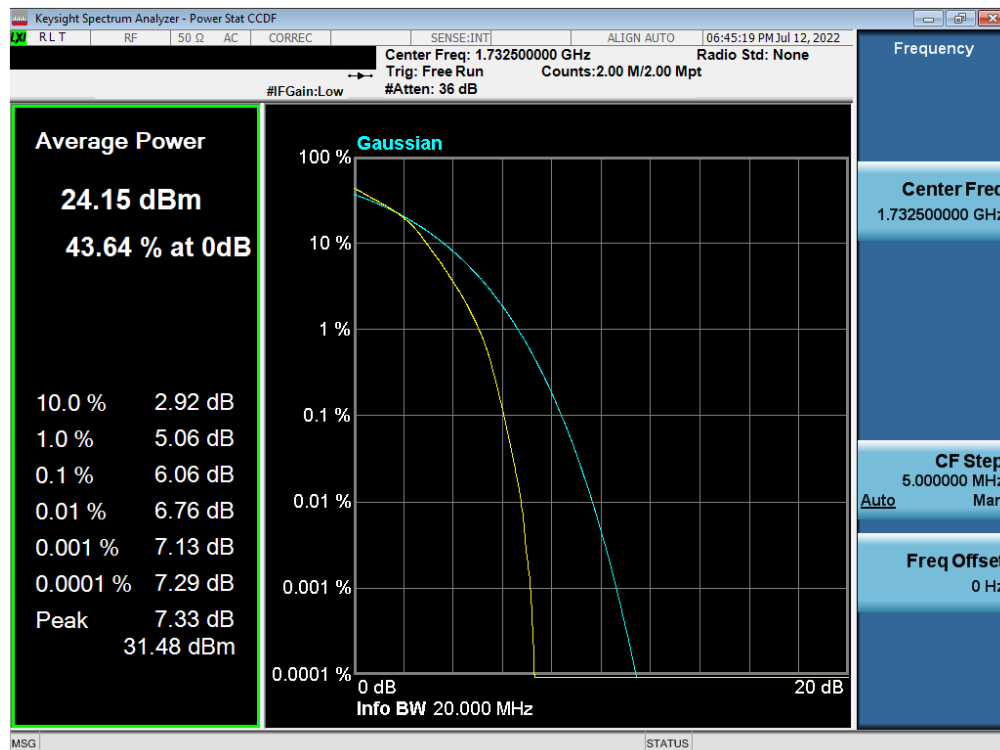
Plot 7-375. PAR Plot (LTE Band 4 - 15MHz 256-QAM - Full RB)

FCC ID: BCGA2757	<p>element</p> <p>PART 27 MEASUREMENT REPORT</p>		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 215 of 315


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Plot 7-376. PAR Plot (LTE Band 4 - 20MHz QPSK - Full RB)

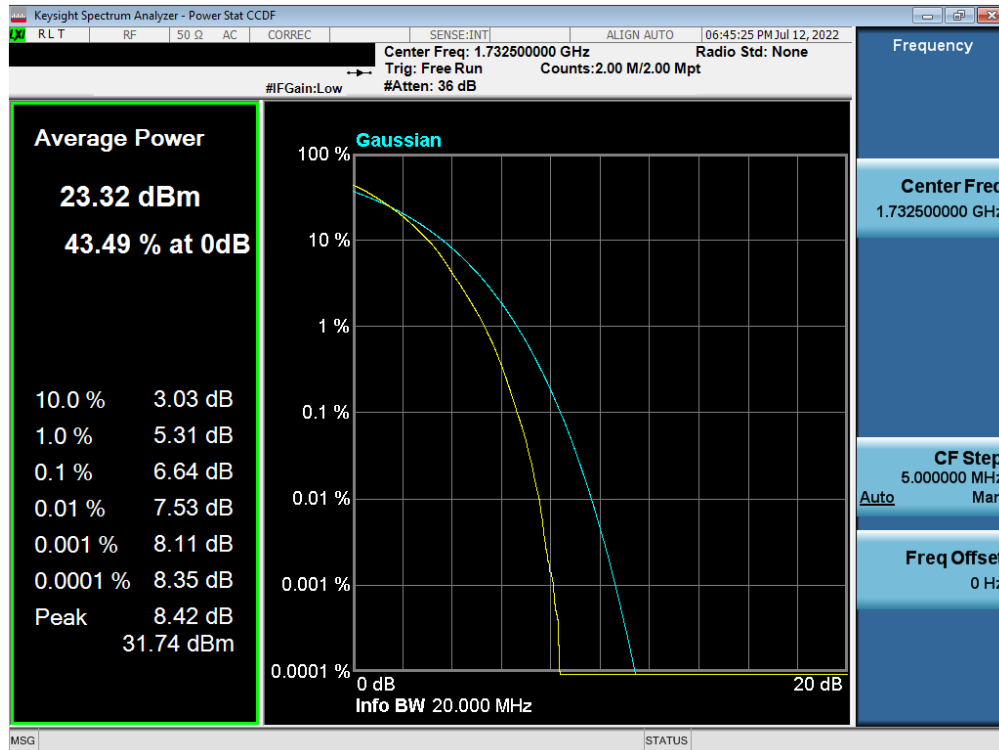


Plot 7-377. PAR Plot (LTE Band 4 - 20MHz 16-QAM - Full RB)

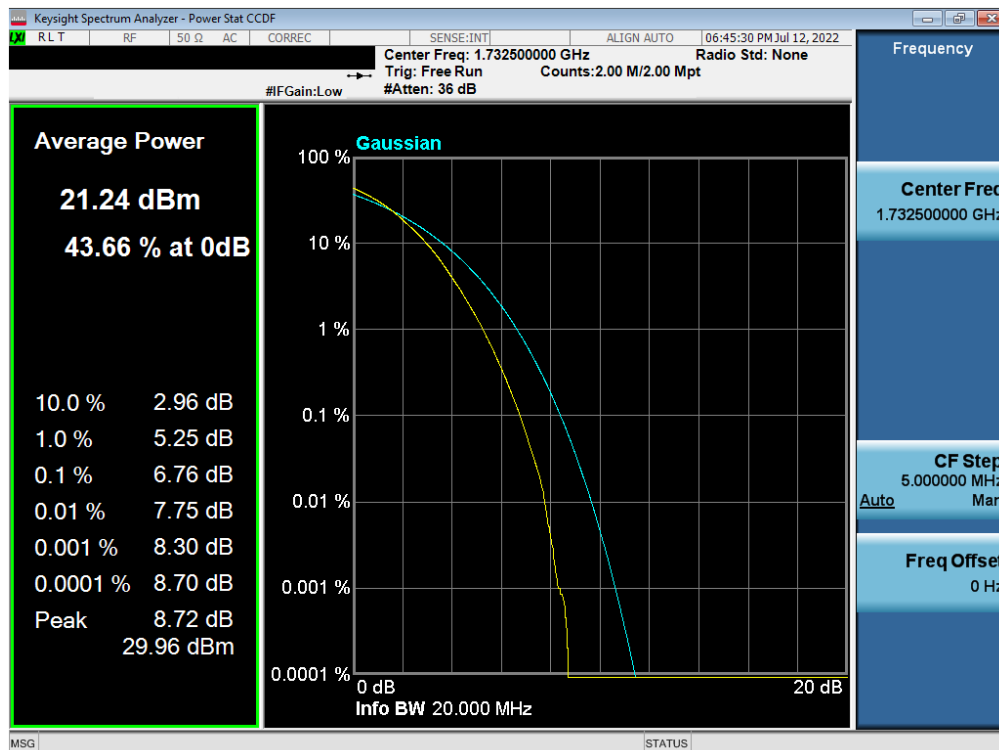
FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 216 of 315

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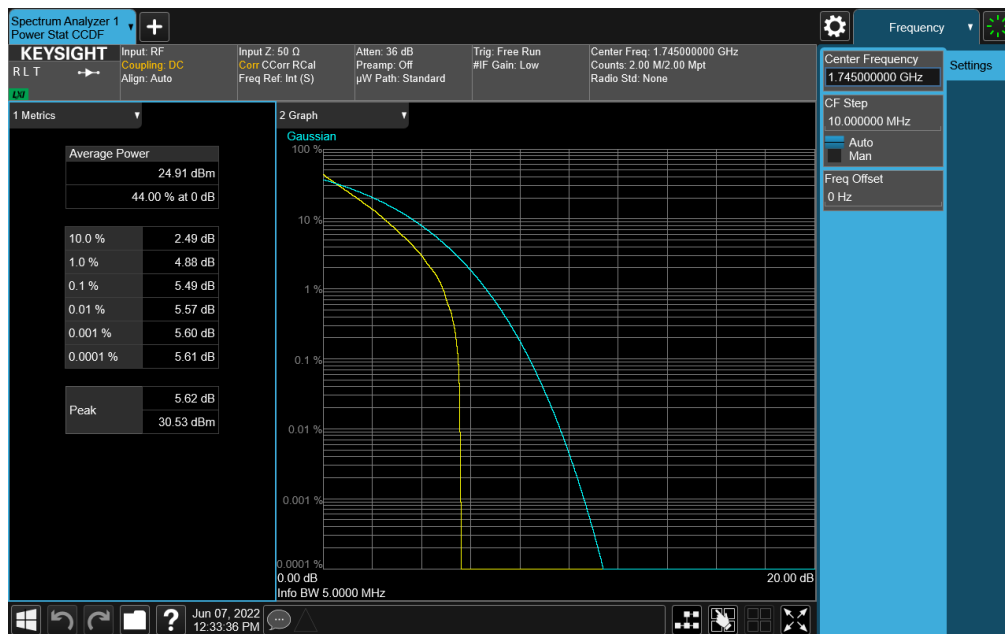
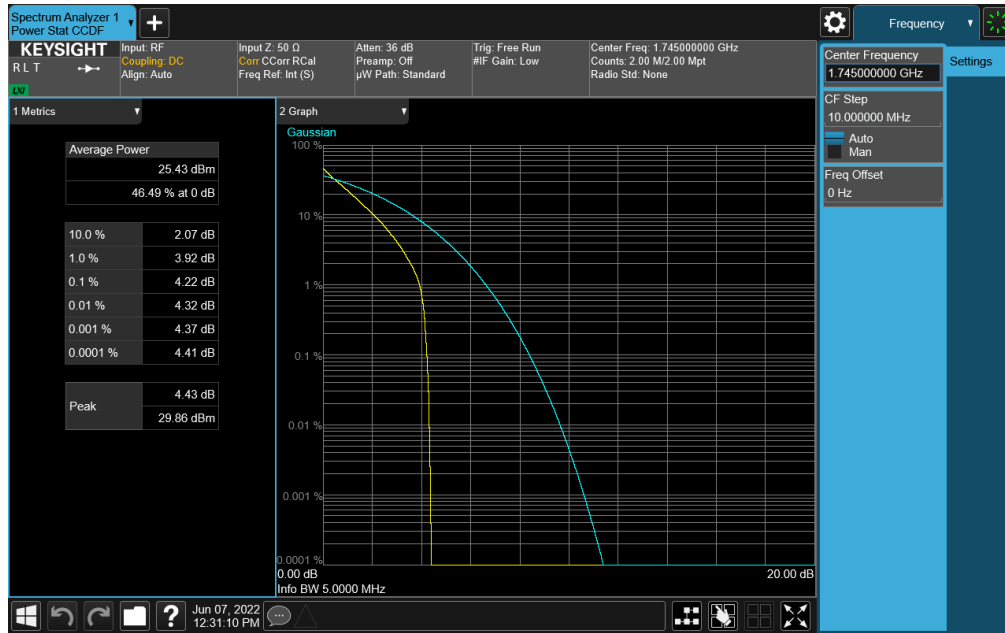
Plot 7-378. PAR Plot (LTE Band 4 - 20MHz 64-QAM - Full RB)




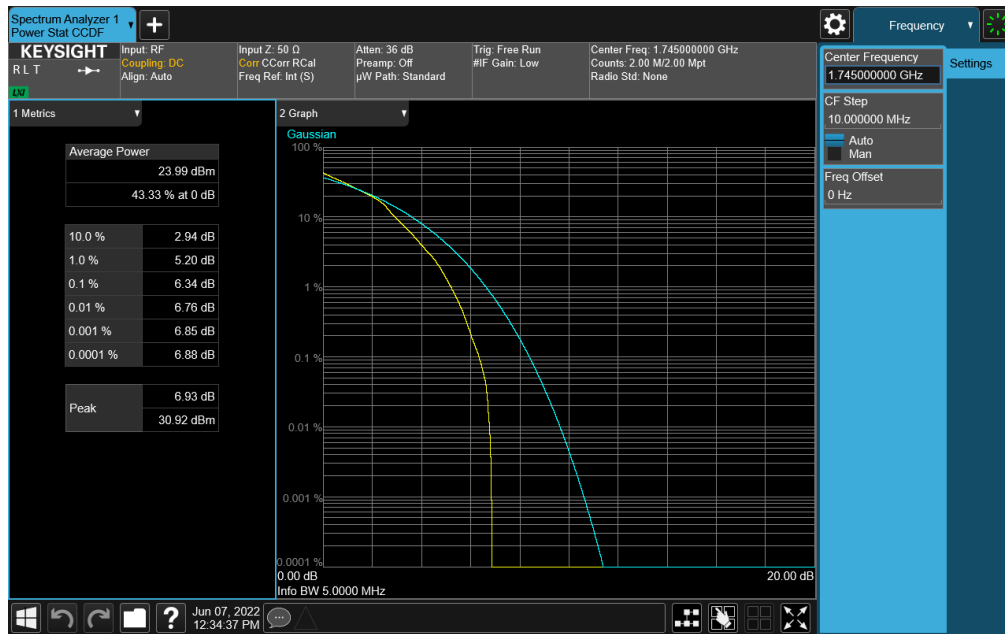
Plot 7-379. PAR Plot (LTE Band 4 - 20MHz 256-QAM - Full RB)

FCC ID: BCGA2757	<p>element</p> <p>PART 27 MEASUREMENT REPORT</p>		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 217 of 315

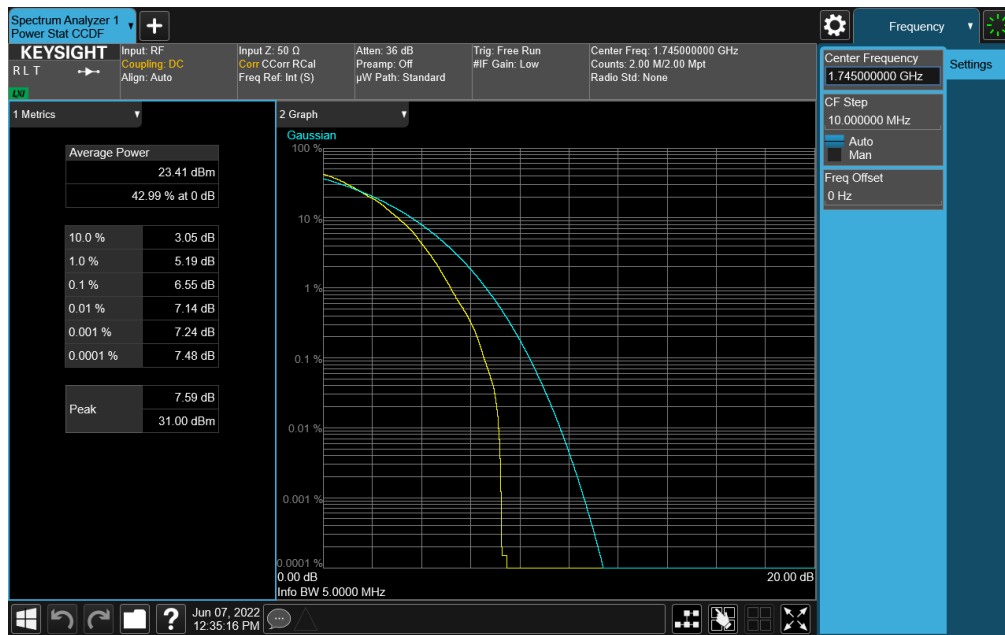
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**Plot 7-382. PAR Plot (NR Band n66 - 5.0MHz CP-OFDM 16-QAM - Full RB)**

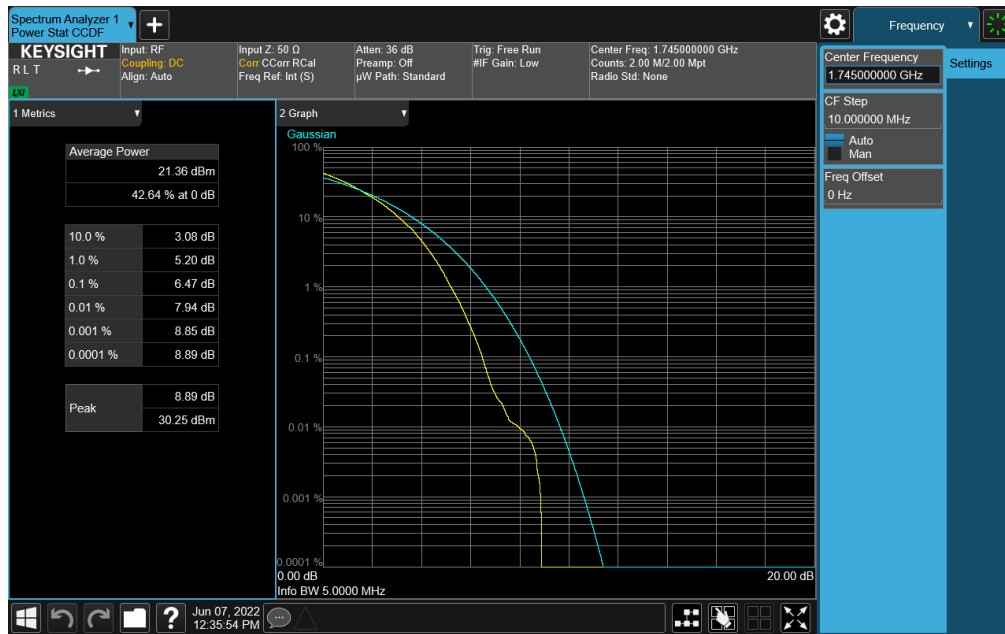


**Plot 7-383. PAR Plot (NR Band n66 - 5.0MHz CP-OFDM 64-QAM - Full RB)**

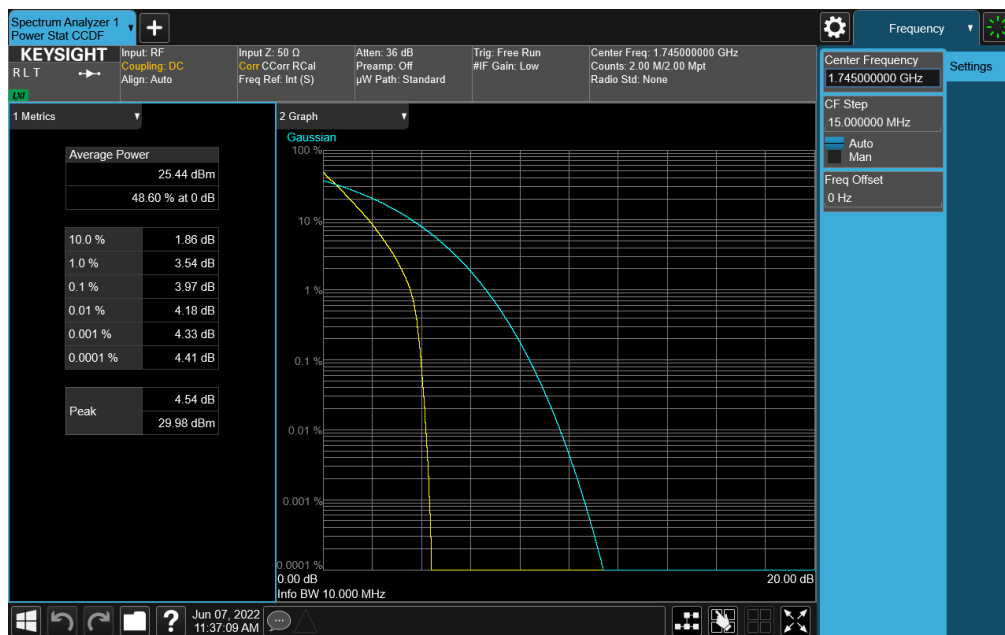
FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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Plot 7-384. PAR Plot (NR Band n66 - 5.0MHz CP-OFDM 256-QAM - Full RB)



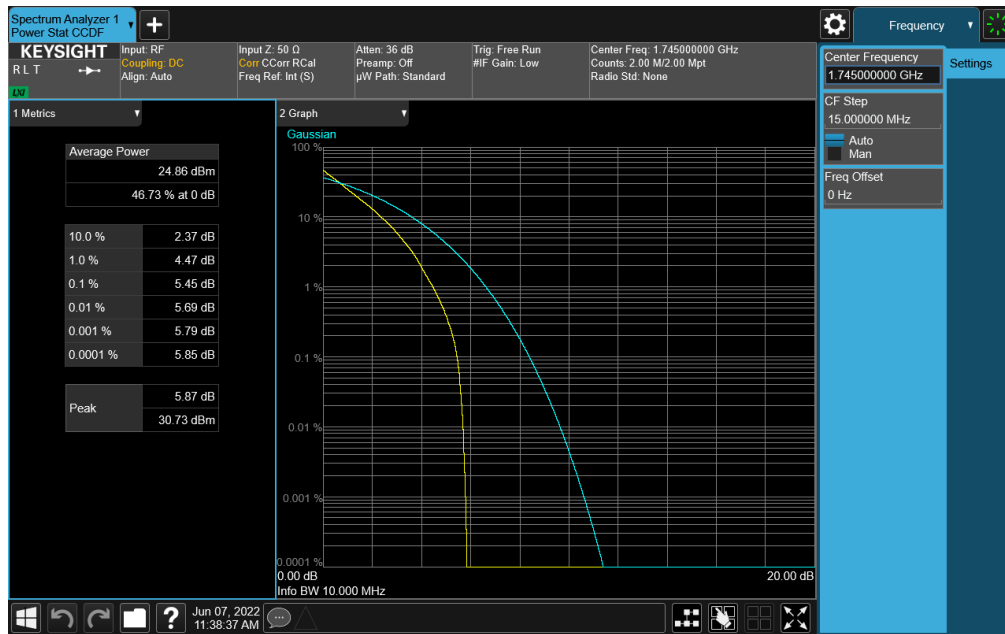
Plot 7-385. PAR Plot (NR Band n66 - 10.0MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)

FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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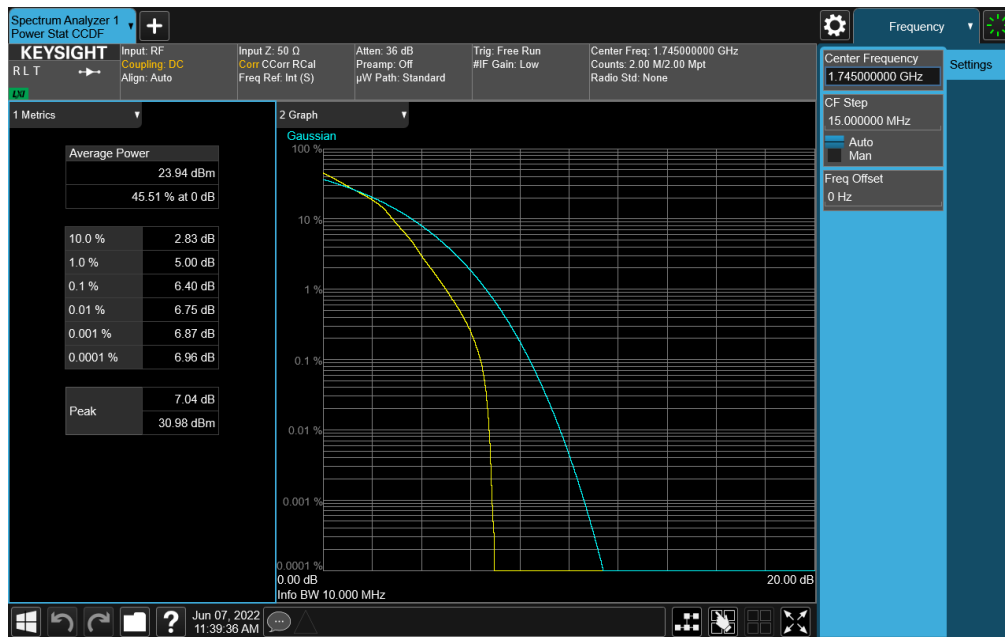
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Plot 7-386. PAR Plot (NR Band n66 - 10.0MHz CP-OFDM QPSK - Full RB)

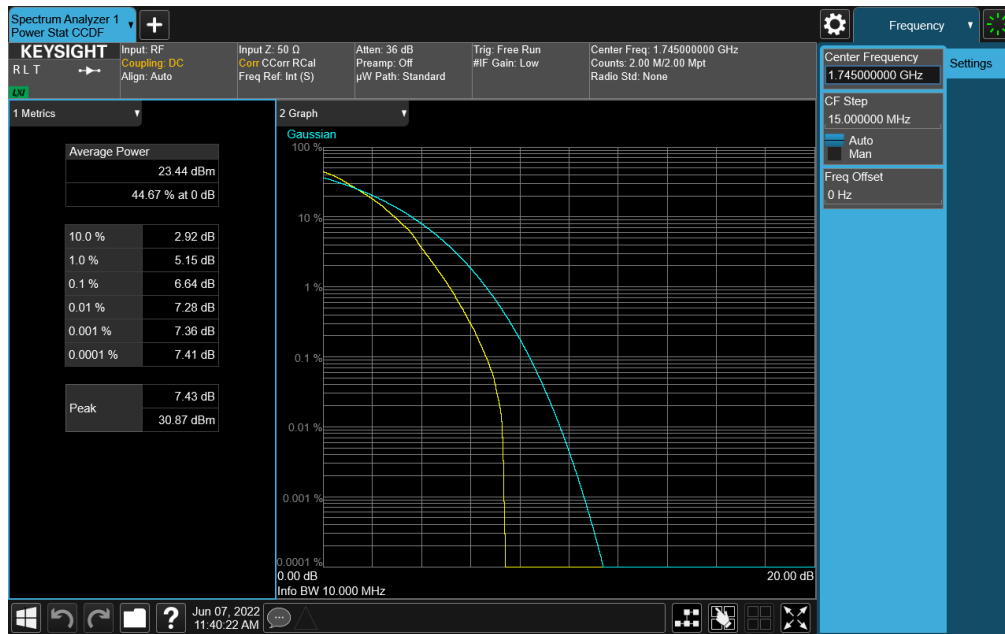


Plot 7-387. PAR Plot (NR Band n66 - 10.0MHz CP-OFDM 16-QAM - Full RB)

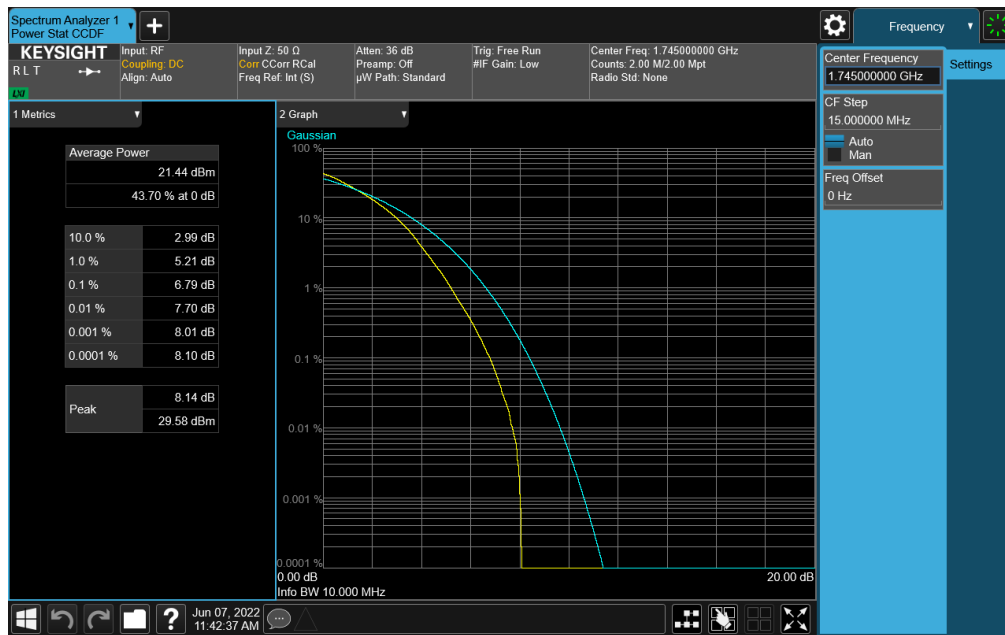
FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 221 of 315

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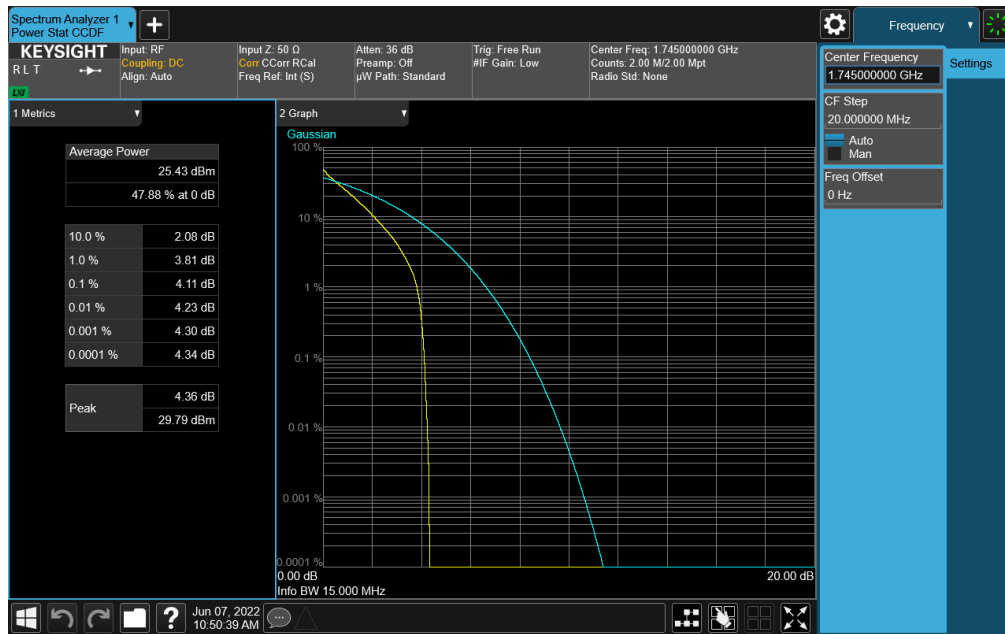
Plot 7-388. PAR Plot (NR Band n66 - 10.0MHz CP-OFDM 64-QAM - Full RB)



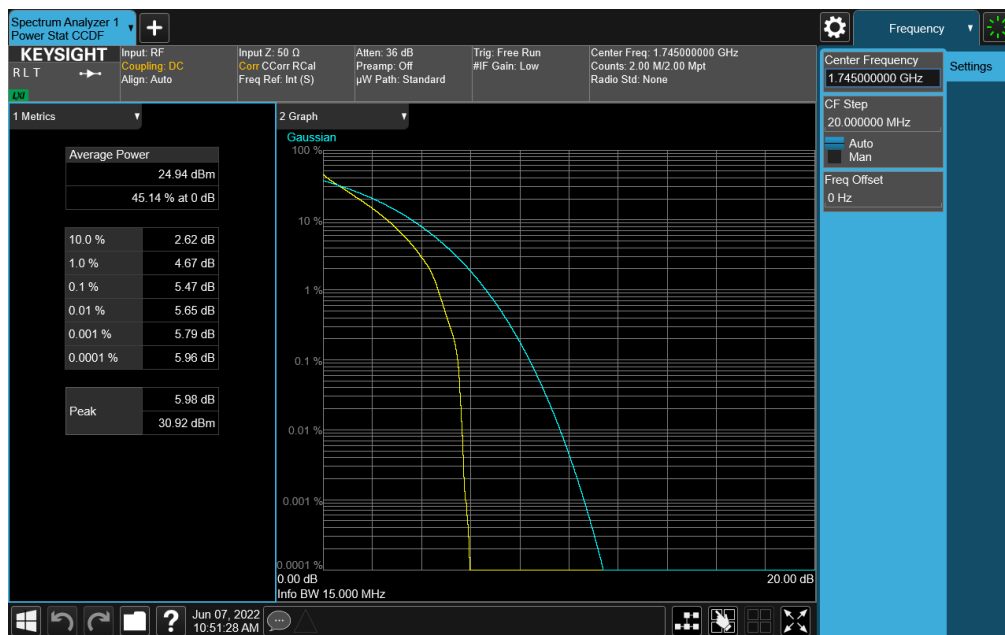
Plot 7-389. PAR Plot (NR Band n66 - 10.0MHz CP-OFDM 256-QAM - Full RB)

FCC ID: BCGA2757	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 222 of 315


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Plot 7-390. PAR Plot (NR Band n66 - 15.0MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)

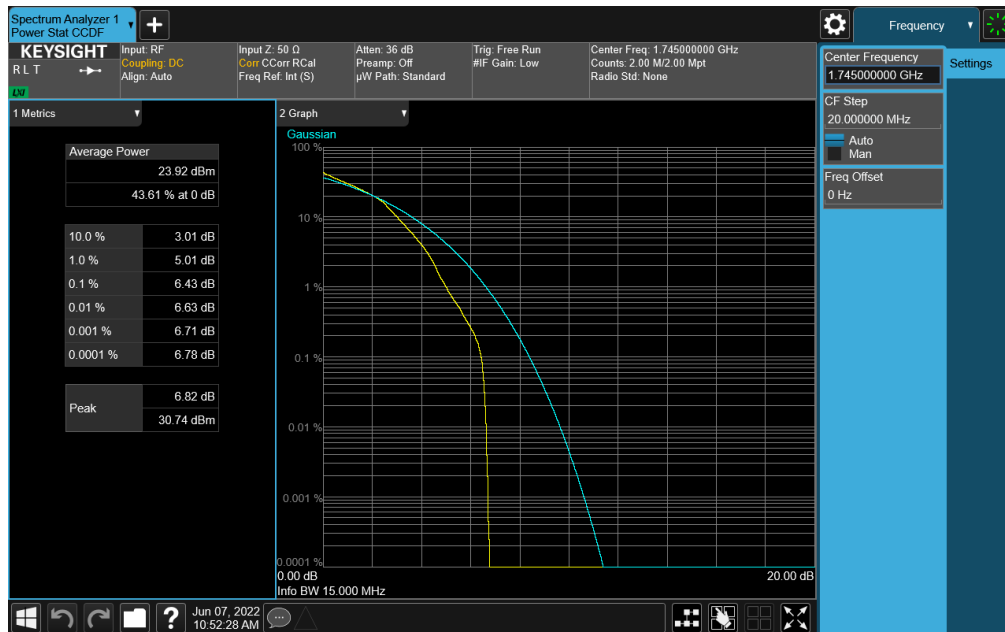


Plot 7-391. PAR Plot (NR Band n66 - 15.0MHz CP-OFDM QPSK - Full RB)

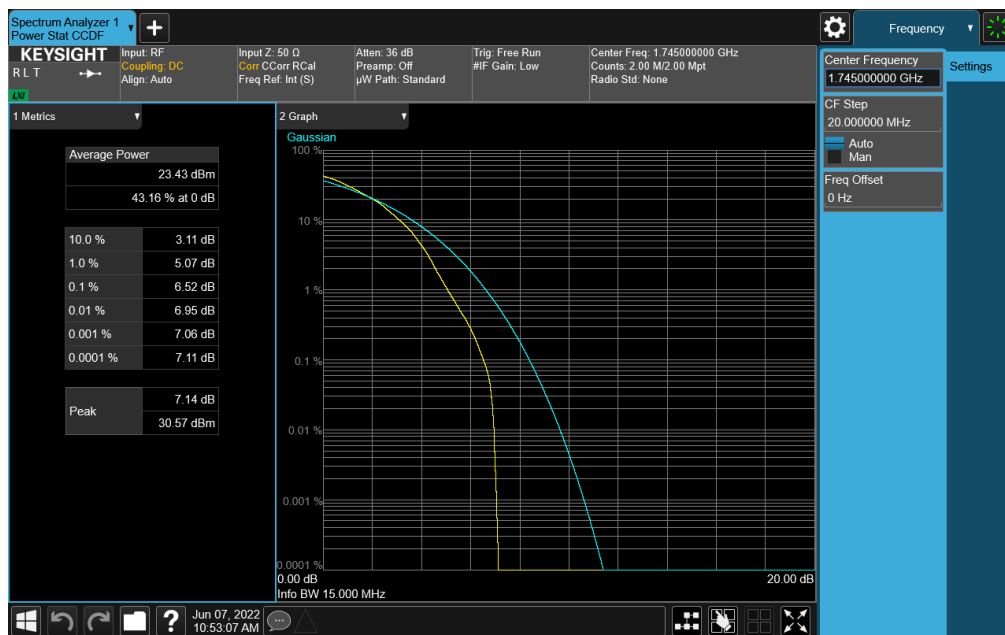
FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 223 of 315

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Plot 7-392. PAR Plot (NR Band n66 - 15.0MHz CP-OFDM 16-QAM - Full RB)

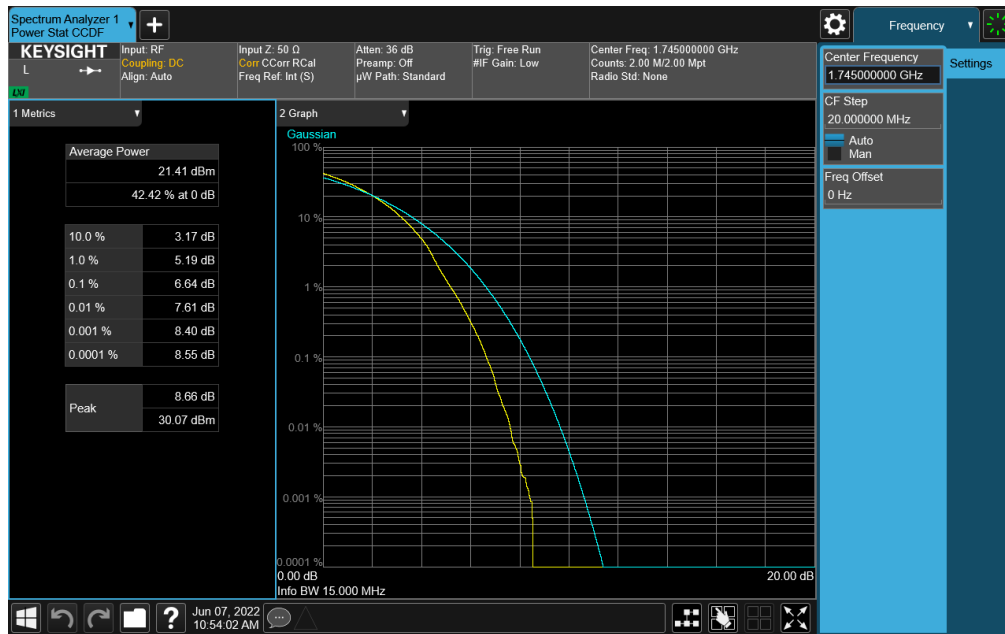


Plot 7-393. PAR Plot (NR Band n66 - 15.0MHz CP-OFDM 64-QAM - Full RB)

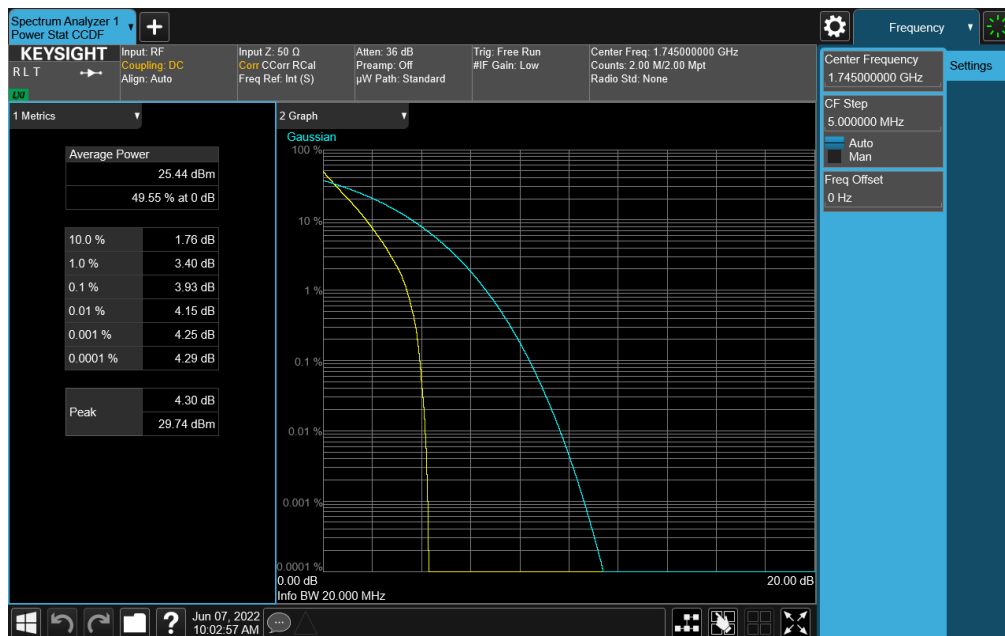
FCC ID: BCGA2757	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 224 of 315

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**Plot 7-394. PAR Plot (NR Band n66 - 15.0MHz CP-OFDM 256-QAM - Full RB)**

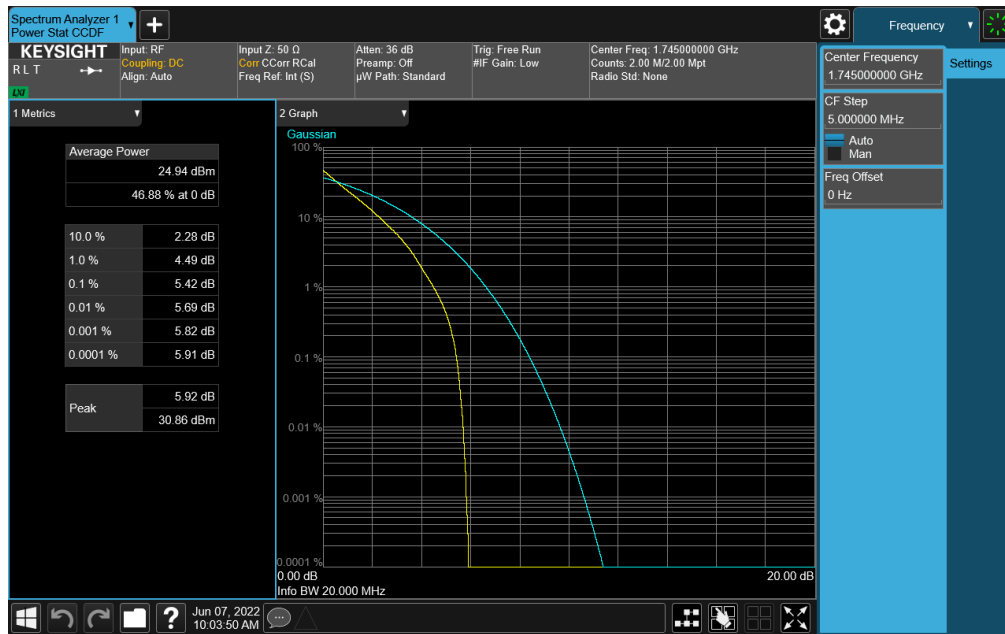


**Plot 7-395. PAR Plot (NR Band n66 - 20.0MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)**

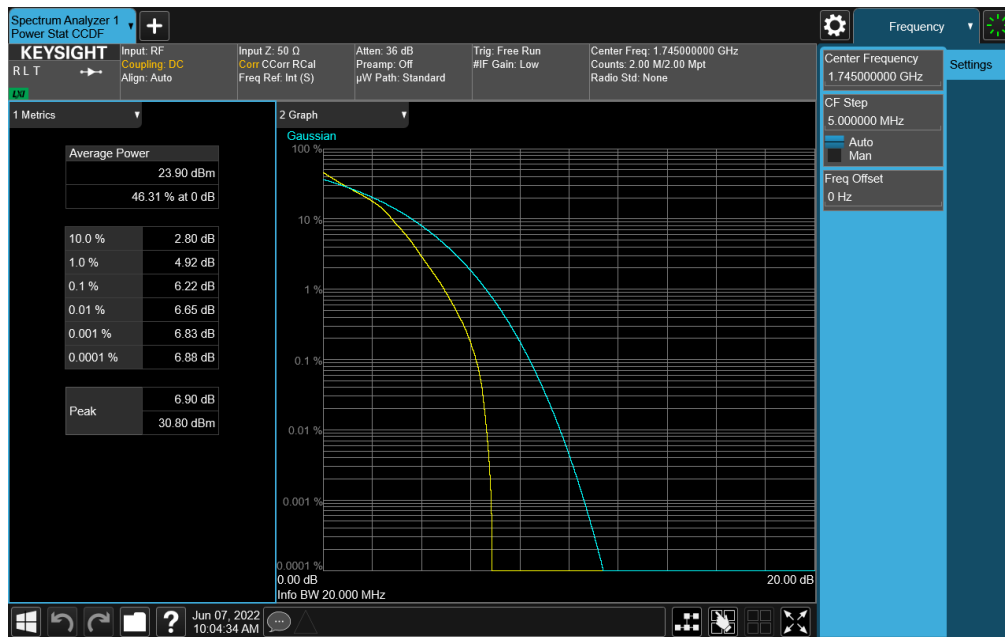
FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 225 of 315

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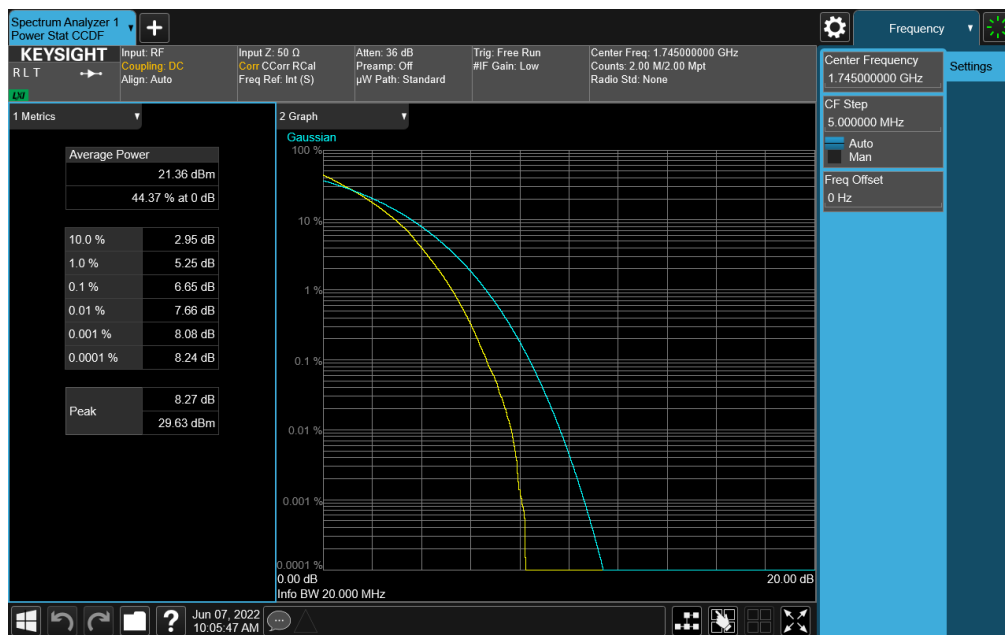
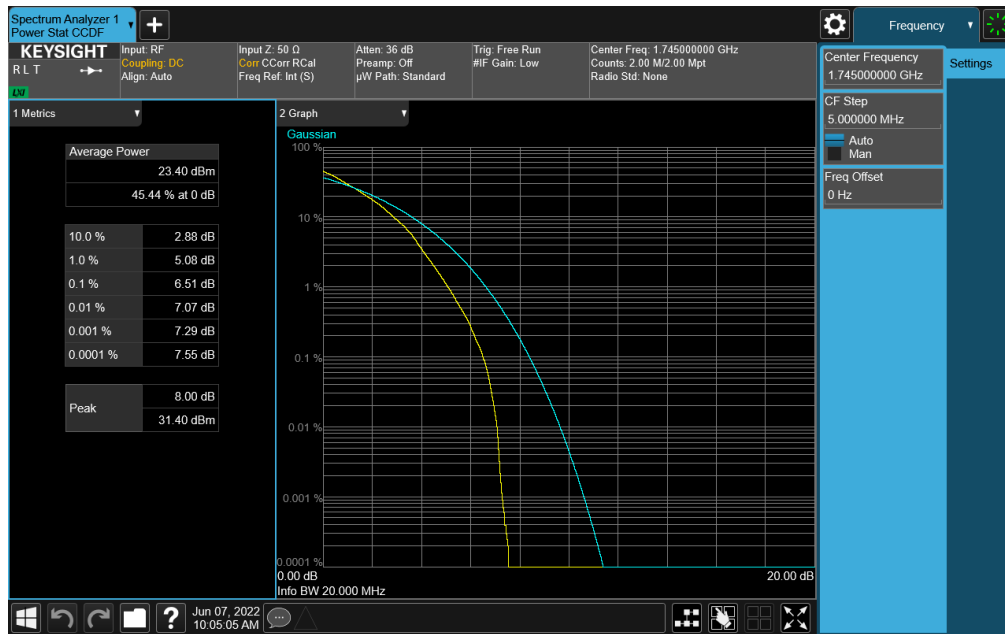



Plot 7-396. PAR Plot (NR Band n66 - 20.0MHz CP-OFDM QPSK - Full RB)

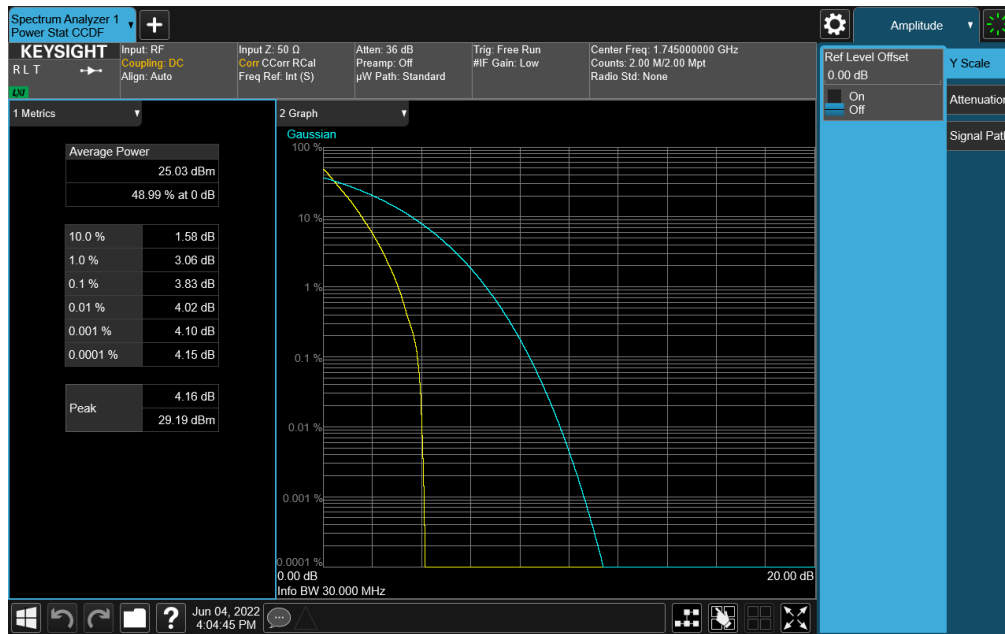


Plot 7-397. PAR Plot (NR Band n66 - 20.0MHz CP-OFDM 16-QAM - Full RB)

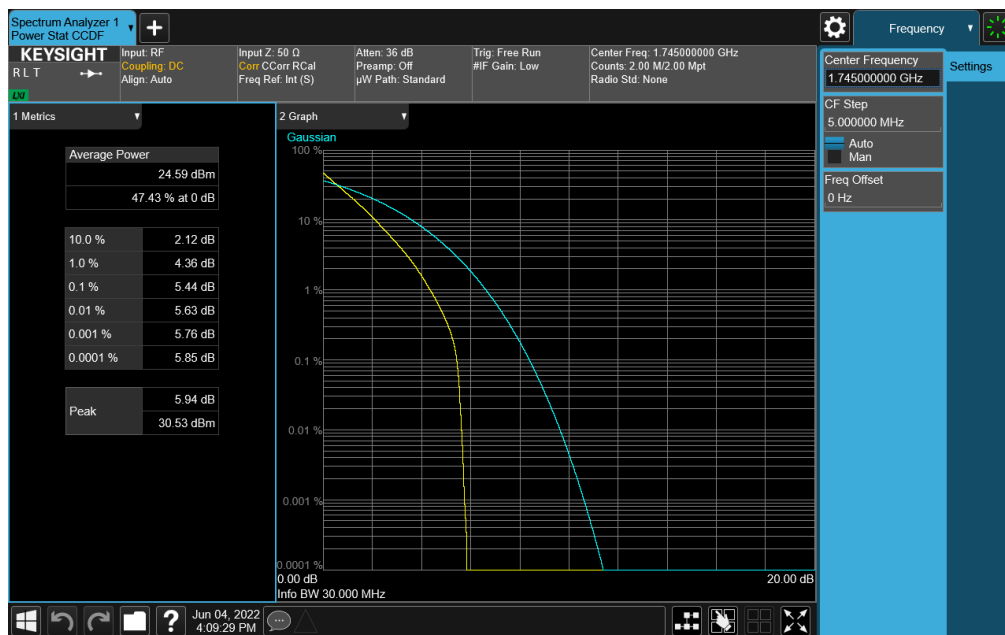
FCC ID: BCGA2757	<p>element</p> <p>PART 27 MEASUREMENT REPORT</p>		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 226 of 315




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Plot 7-400. PAR Plot (NR Band n66 - 30.0MHz DFT-s-OFDM  $\pi/2$  BPSK - Full RB)



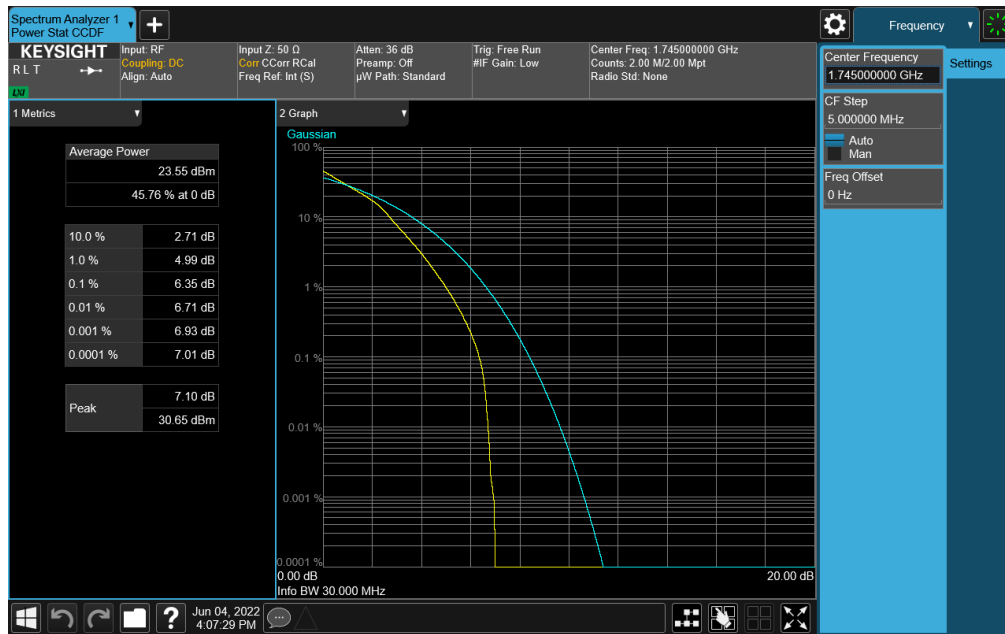
Plot 7-401. PAR Plot (NR Band n66 - 30.0MHz CP-OFDM QPSK - Full RB)

FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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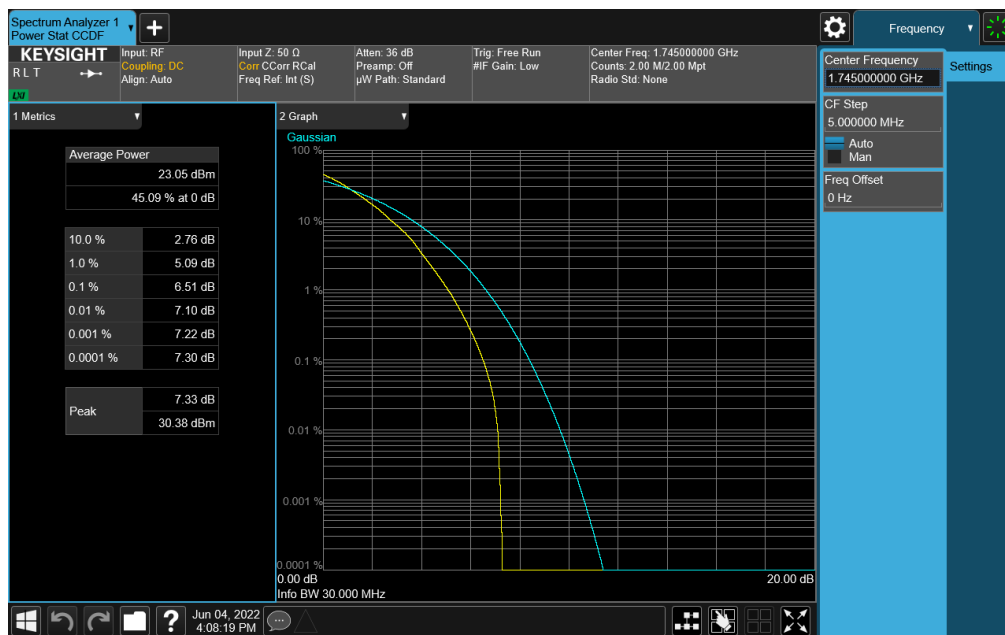
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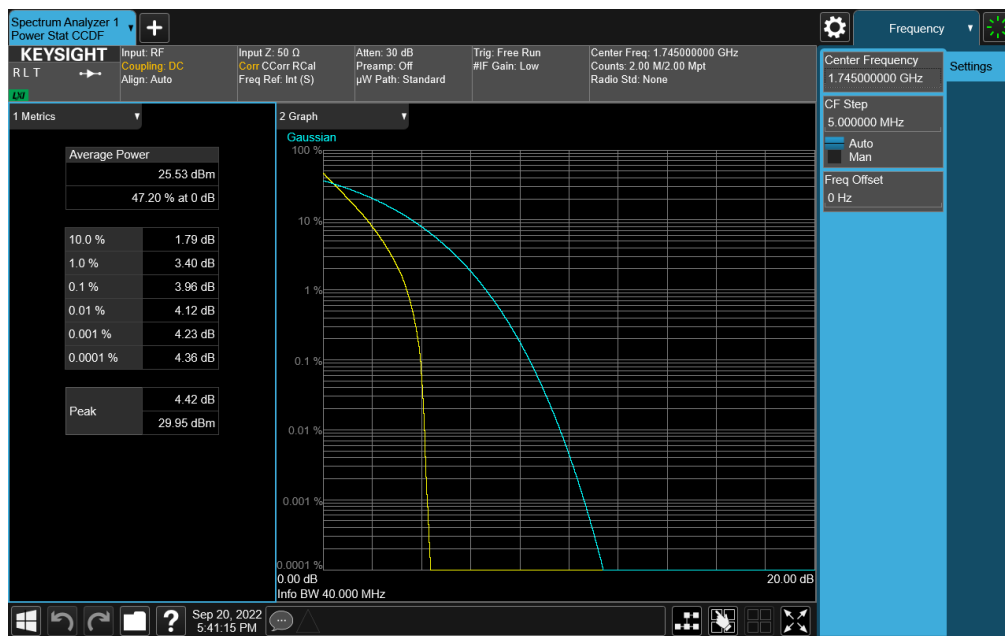
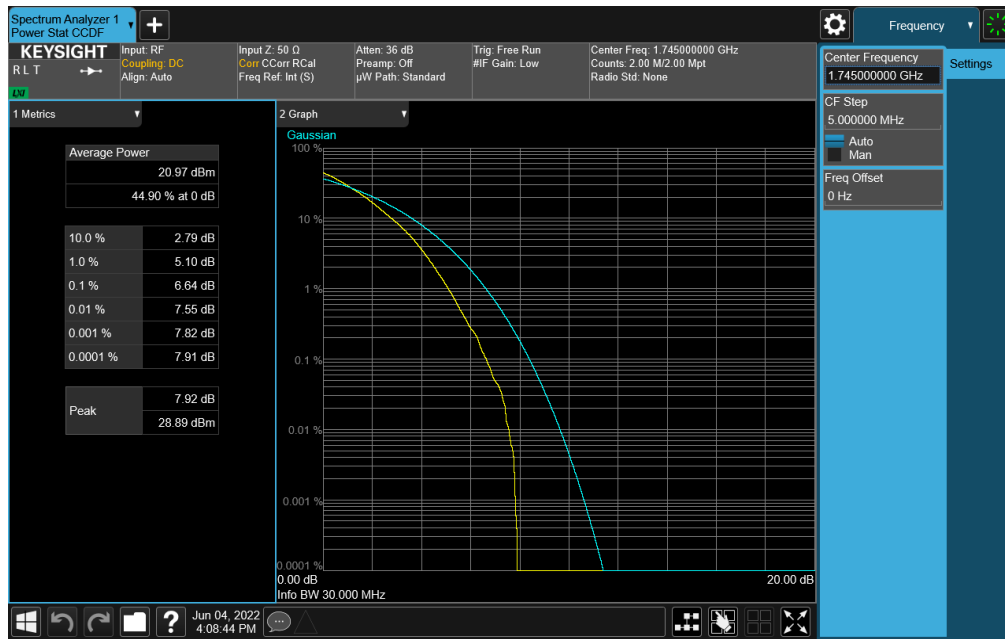



Plot 7-402. PAR Plot (NR Band n66 - 30.0MHz CP-OFDM 16-QAM - Full RB)

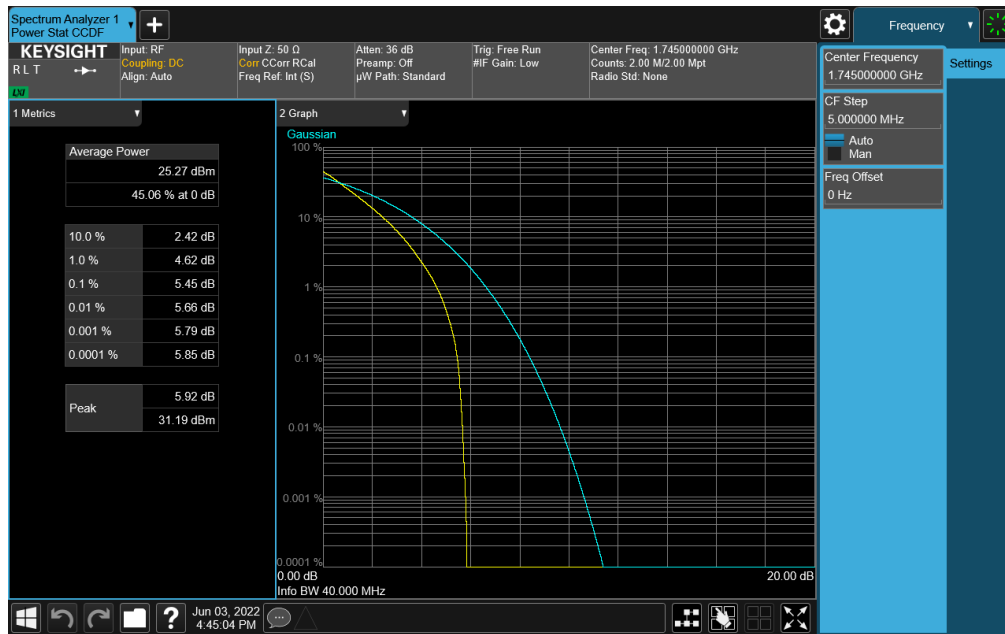


Plot 7-403. PAR Plot (NR Band n66 - 30.0MHz CP-OFDM 64-QAM - Full RB)

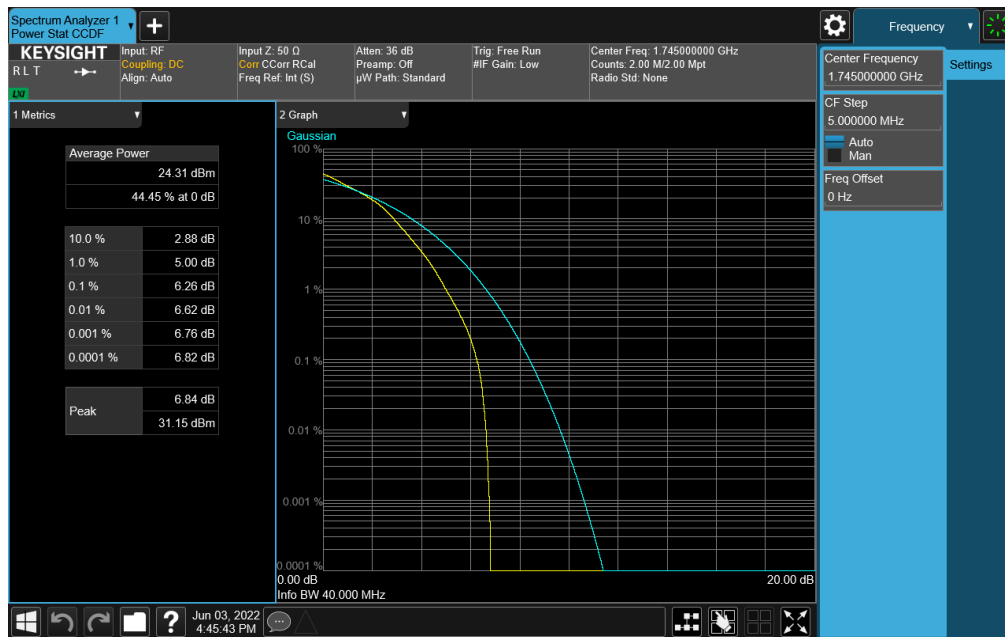
FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 229 of 315



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Plot 7-406. PAR Plot (NR Band n66 - 40.0MHz CP-OFDM QPSK - Full RB)

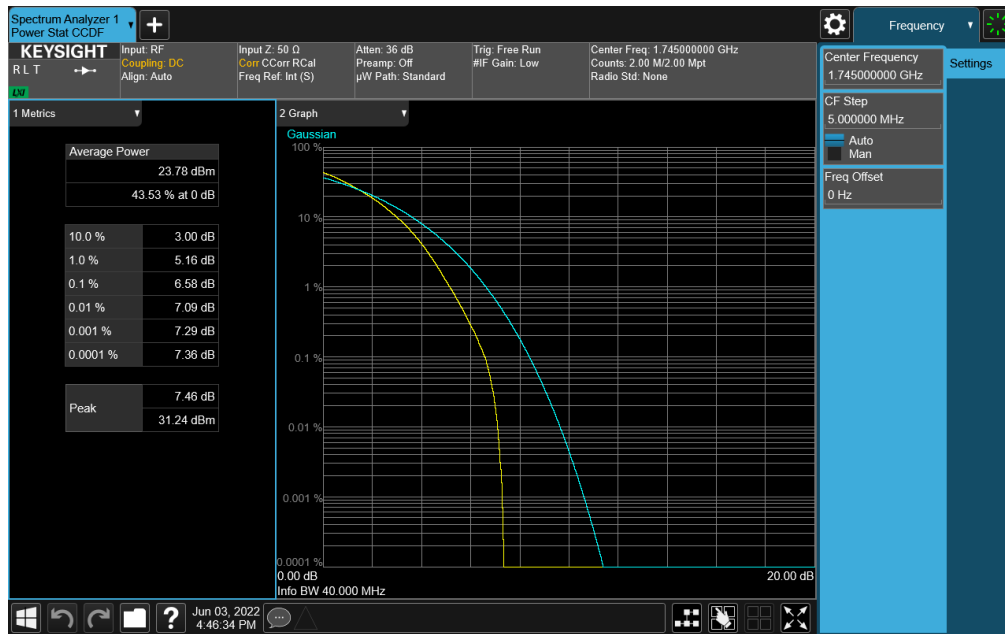


Plot 7-407. PAR Plot (NR Band n66 - 40.0MHz CP-OFDM 16-QAM - Full RB)

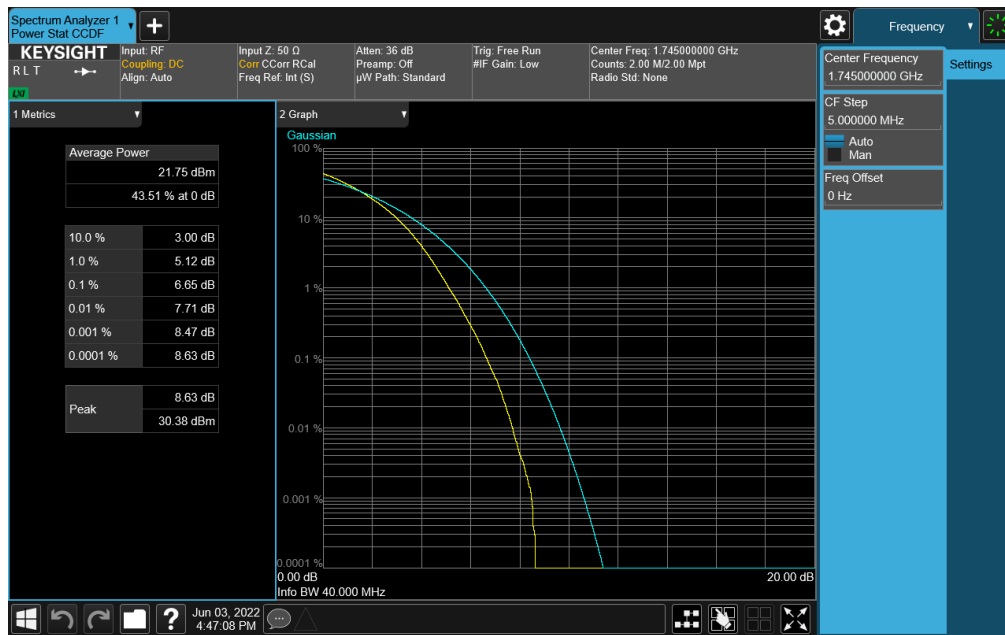
FCC ID: BCGA2757	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 231 of 315

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Plot 7-408. PAR Plot (NR Band n66 - 40.0MHz CP-OFDM 64-QAM - Full RB)

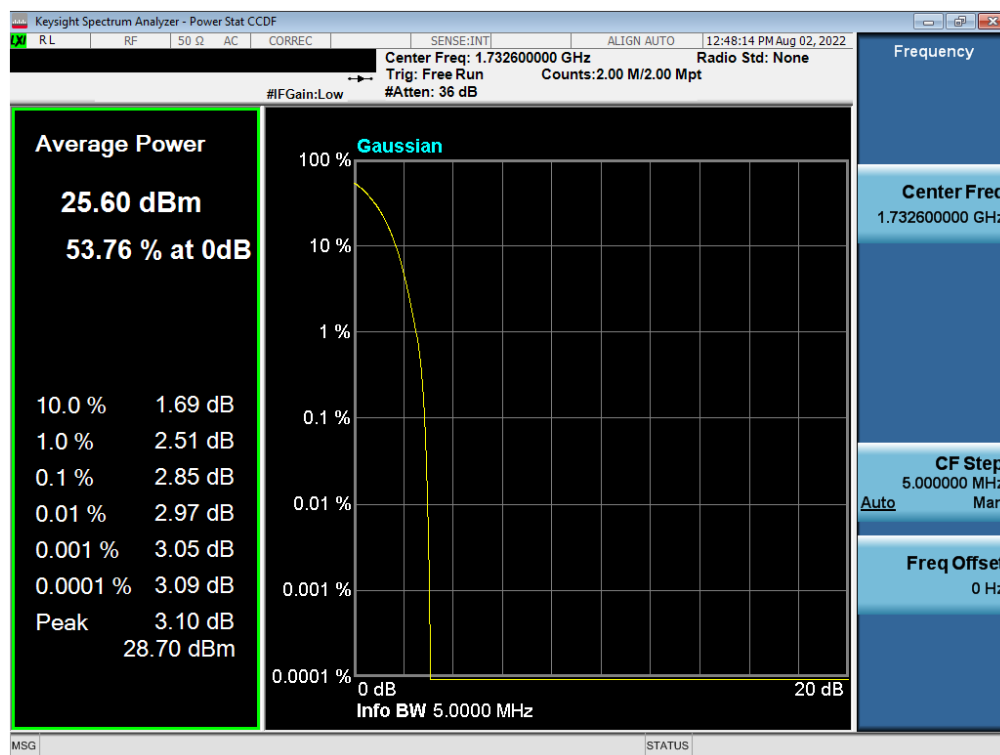


Plot 7-409. PAR Plot (NR Band n66 - 40.0MHz CP-OFDM 256-QAM - Full RB)


FCC ID: BCGA2757	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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Plot 7-410. PAR Plot (WCDMA, Ch. 1413)

FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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## 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.

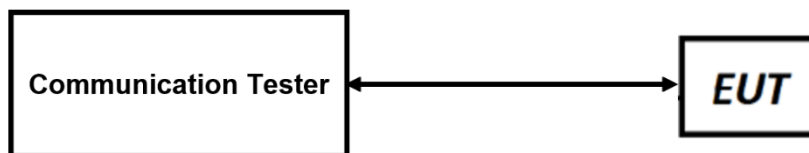




Figure 7-5. ERP/EIRP Measurement Setup

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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.

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## 7.6.1 Antenna 4 – 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	1.30	1 / 0	25.23	26.53	0.450	30.00	-3.47
		1745.0	1.30	1 / 3	25.52	26.82	0.481	30.00	-3.18
		1779.3	1.30	1 / 3	25.70	<b>27.00</b>	0.501	30.00	-3.00
	16-QAM	1779.3	1.30	1 / 3	24.78	26.08	0.406	30.00	-3.92
	64-QAM	1779.3	1.30	1 / 3	24.13	25.43	0.349	30.00	-4.57
	256-QAM	1710.7	1.30	1 / 0	22.08	23.38	0.218	30.00	-6.62
3 MHz	QPSK	1711.5	1.30	1 / 0	25.08	26.38	0.435	30.00	-3.62
		1745.0	1.30	1 / 0	25.70	<b>27.00</b>	0.501	30.00	-3.00
		1778.5	1.30	1 / 0	25.70	<b>27.00</b>	0.501	30.00	-3.00
	16-QAM	1778.5	1.30	1 / 7	25.16	26.46	0.443	30.00	-3.54
	64-QAM	1778.5	1.30	1 / 0	24.42	25.72	0.373	30.00	-4.28
	256-QAM	1711.5	1.30	1 / 0	22.10	23.40	0.219	30.00	-6.60
5 MHz	QPSK	1712.5	1.30	1 / 0	25.17	26.47	0.444	30.00	-3.53
		1745.0	1.30	1 / 12	25.70	<b>27.00</b>	0.501	30.00	-3.00
		1777.5	1.30	1 / 12	25.52	26.82	0.481	30.00	-3.18
	16-QAM	1745.0	1.30	1 / 24	24.99	26.29	0.426	30.00	-3.71
	64-QAM	1745.0	1.30	1 / 12	23.99	25.29	0.338	30.00	-4.71
	256-QAM	1712.5	1.30	1 / 0	21.94	23.24	0.211	30.00	-6.76
10 MHz	QPSK	1715.0	1.30	1 / 0	25.46	26.76	0.474	30.00	-3.24
		1745.0	1.30	1 / 0	25.68	26.98	0.499	30.00	-3.02
		1775.0	1.30	1 / 0	25.70	<b>27.00</b>	0.501	30.00	-3.00
	16-QAM	1775.0	1.30	1 / 0	25.07	26.37	0.434	30.00	-3.63
	64-QAM	1775.0	1.30	1 / 25	24.36	25.66	0.368	30.00	-4.34
	256-QAM	1715.0	1.30	1 / 0	22.10	23.40	0.219	30.00	-6.60
15 MHz	QPSK	1717.5	1.30	1 / 74	25.70	<b>27.00</b>	0.501	30.00	-3.00
		1745.0	1.30	1 / 37	25.66	26.96	0.497	30.00	-3.04
		1772.5	1.30	1 / 37	25.63	26.93	0.493	30.00	-3.07
	16-QAM	1772.5	1.30	1 / 37	24.94	26.24	0.421	30.00	-3.76
	64-QAM	1772.5	1.30	1 / 37	24.41	25.71	0.372	30.00	-4.29
	256-QAM	1772.5	1.30	1 / 37	21.30	22.60	0.182	30.00	-7.40
20 MHz	QPSK	1720.0	1.30	1 / 50	25.65	26.95	0.495	30.00	-3.05
		1745.0	1.30	1 / 0	25.40	26.70	0.468	30.00	-3.30
		1770.0	1.30	1 / 0	25.70	<b>27.00</b>	0.501	30.00	-3.00
	16-QAM	1770.0	1.30	1 / 50	24.96	26.26	0.423	30.00	-3.74
	64-QAM	1745.0	1.30	1 / 0	24.45	25.75	0.376	30.00	-4.25
	256-QAM	1745.0	1.30	1 / 50	21.09	22.39	0.173	30.00	-7.61

Table 7-2. Antenna 4 EIRP Data (LTE Band 66)

FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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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	1.30	1 / 3	25.00	26.30	0.427	30.00	-3.70
		1732.5	1.30	1 / 3	25.69	26.99	0.500	30.00	-3.01
		1754.3	1.30	1 / 3	25.70	<b>27.00</b>	0.501	30.00	-3.00
	16-QAM	1754.3	1.30	1 / 5	24.53	25.83	0.383	30.00	-4.17
	64-QAM	1754.3	1.30	1 / 3	23.64	24.94	0.312	30.00	-5.06
	256-QAM	1754.3	1.30	1 / 3	21.25	22.55	0.180	30.00	-7.45
3 MHz	QPSK	1711.5	1.30	1 / 14	25.12	26.42	0.439	30.00	-3.58
		1732.5	1.30	1 / 14	25.70	<b>27.00</b>	0.501	30.00	-3.00
		1753.5	1.30	1 / 14	25.64	26.94	0.494	30.00	-3.06
	16-QAM	1753.5	1.30	1 / 7	25.06	26.36	0.433	30.00	-3.64
	64-QAM	1753.5	1.30	1 / 7	24.38	25.68	0.370	30.00	-4.32
	256-QAM	1753.5	1.30	1 / 7	21.27	22.57	0.181	30.00	-7.43
5 MHz	QPSK	1712.5	1.30	1 / 24	25.30	26.60	0.457	30.00	-3.40
		1732.5	1.30	1 / 24	25.70	<b>27.00</b>	0.501	30.00	-3.00
		1752.5	1.30	1 / 24	25.46	26.76	0.474	30.00	-3.24
	16-QAM	1732.5	1.30	1 / 12	25.07	26.37	0.434	30.00	-3.63
	64-QAM	1732.5	1.30	1 / 12	23.90	25.20	0.331	30.00	-4.80
	256-QAM	1712.5	1.30	1 / 24	21.08	22.38	0.173	30.00	-7.62
10 MHz	QPSK	1715.0	1.30	1 / 49	25.70	<b>27.00</b>	0.501	30.00	-3.00
		1732.5	1.30	1 / 49	25.68	26.98	0.499	30.00	-3.02
		1750.0	1.30	1 / 0	25.67	26.97	0.498	30.00	-3.03
	16-QAM	1715.0	1.30	1 / 49	25.05	26.35	0.432	30.00	-3.65
	64-QAM	1750.0	1.30	1 / 25	24.31	25.61	0.364	30.00	-4.39
	256-QAM	1750.0	1.30	1 / 0	21.31	22.61	0.182	30.00	-7.39
15 MHz	QPSK	1717.5	1.30	1 / 37	25.70	<b>27.00</b>	0.501	30.00	-3.00
		1732.5	1.30	1 / 0	25.64	26.94	0.494	30.00	-3.06
		1747.5	1.30	1 / 0	25.56	26.86	0.485	30.00	-3.14
	16-QAM	1747.5	1.30	1 / 37	24.89	26.19	0.416	30.00	-3.81
	64-QAM	1747.5	1.30	1 / 0	24.31	25.61	0.364	30.00	-4.39
	256-QAM	1747.5	1.30	1 / 0	21.23	22.53	0.179	30.00	-7.47
20 MHz	QPSK	1720.0	1.30	1 / 99	25.61	26.91	0.491	30.00	-3.09
		1732.5	1.30	1 / 0	25.41	26.71	0.469	30.00	-3.29
		1745.0	1.30	1 / 0	25.70	<b>27.00</b>	0.501	30.00	-3.00
	16-QAM	1745.0	1.30	1 / 0	24.96	26.26	0.423	30.00	-3.74
	64-QAM	1732.5	1.30	1 / 0	24.40	25.70	0.372	30.00	-4.30
	256-QAM	1732.5	1.30	1 / 0	21.06	22.36	0.172	30.00	-7.64

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

FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	665.5	-1.60	1 / 0	25.67	21.92	0.156	34.77	-12.85	24.07	0.255	36.99	-12.92
		680.5	-1.60	1 / 0	25.70	21.95	0.157	34.77	-12.82	24.10	0.257	36.99	-12.89
	16-QAM	695.5	-1.60	1 / 0	25.52	21.77	0.150	34.77	-13.00	23.92	0.247	36.99	-13.07
	64-QAM	680.5	-1.60	1 / 0	24.99	21.24	0.133	34.77	-13.53	23.39	0.218	36.99	-13.60
	256-QAM	665.5	-1.60	1 / 12	24.08	20.33	0.108	34.77	-14.44	22.48	0.177	36.99	-14.51
		665.5	-1.60	1 / 12	20.97	17.22	0.053	34.77	-17.55	19.37	0.086	36.99	-17.62
10 MHz	QPSK	668.0	-1.60	1 / 0	25.67	21.92	0.156	34.77	-12.85	24.07	0.255	36.99	-12.92
		680.5	-1.60	1 / 0	25.70	21.95	0.157	34.77	-12.82	24.10	0.257	36.99	-12.89
	16-QAM	693.0	-1.60	1 / 0	25.66	21.91	0.155	34.77	-12.86	24.06	0.255	36.99	-12.93
		693.0	-1.60	1 / 0	25.02	21.27	0.134	34.77	-13.50	23.42	0.220	36.99	-13.57
	64-QAM	693.0	-1.60	1 / 0	24.29	20.54	0.113	34.77	-14.23	22.69	0.186	36.99	-14.30
	256-QAM	693.0	-1.60	1 / 25	21.26	17.51	0.056	34.77	-17.26	19.66	0.092	36.99	-17.33
15 MHz	QPSK	670.5	-1.60	1 / 0	25.70	21.95	0.157	34.77	-12.82	24.10	0.257	36.99	-12.89
		680.5	-1.60	1 / 37	25.60	21.85	0.153	34.77	-12.92	24.00	0.251	36.99	-12.99
	16-QAM	690.5	-1.60	1 / 0	25.53	21.78	0.151	34.77	-12.99	23.93	0.247	36.99	-13.06
		690.5	-1.60	1 / 37	24.85	21.10	0.129	34.77	-13.67	23.25	0.211	36.99	-13.74
	64-QAM	690.5	-1.60	1 / 0	24.31	20.56	0.114	34.77	-14.21	22.71	0.187	36.99	-14.28
	256-QAM	680.5	-1.60	1 / 37	21.16	17.41	0.055	34.77	-17.36	19.56	0.090	36.99	-17.43
20 MHz	QPSK	673.0	-1.60	1 / 0	25.70	21.95	0.157	34.77	-12.82	24.10	0.257	36.99	-12.89
		680.5	-1.60	1 / 0	25.44	21.69	0.148	34.77	-13.08	23.84	0.242	36.99	-13.15
	16-QAM	688.0	-1.60	1 / 50	25.69	21.94	0.156	34.77	-12.83	24.09	0.256	36.99	-12.90
		688.0	-1.60	1 / 0	24.94	21.19	0.132	34.77	-13.58	23.34	0.216	36.99	-13.65
	64-QAM	680.5	-1.60	1 / 50	24.39	20.64	0.116	34.77	-14.13	22.79	0.190	36.99	-14.20
	256-QAM	680.5	-1.60	1 / 50	21.11	17.36	0.054	34.77	-17.41	19.51	0.089	36.99	-17.48

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

FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 238 of 315


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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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	699.7	-1.20	1 / 3	25.70	<b>22.35</b>	0.172	34.77	-12.42	<b>24.50</b>	0.282	36.99	-12.49
		707.5	-1.20	1 / 3	25.49	22.14	0.164	34.77	-12.63	24.29	0.269	36.99	-12.70
		715.3	-1.20	1 / 3	25.44	22.09	0.162	34.77	-12.68	24.24	0.265	36.99	-12.75
	16-QAM	699.7	-1.20	1 / 3	24.73	21.38	0.137	34.77	-13.39	23.53	0.225	36.99	-13.46
	64-QAM	699.7	-1.20	1 / 3	24.14	20.79	0.120	34.77	-13.98	22.94	0.197	36.99	-14.05
3 MHz	QPSK	707.5	-1.20	1 / 3	21.08	17.73	0.059	34.77	-17.04	19.88	0.097	36.99	-17.11
		700.5	-1.20	1 / 0	25.59	22.24	0.167	34.77	-12.53	24.39	0.275	36.99	-12.60
		707.5	-1.20	1 / 0	25.62	22.27	0.169	34.77	-12.50	24.42	0.277	36.99	-12.57
	16-QAM	714.5	-1.20	1 / 0	25.70	<b>22.35</b>	0.172	34.77	-12.42	<b>24.50</b>	0.282	36.99	-12.49
	64-QAM	714.5	-1.20	1 / 7	25.05	21.70	0.148	34.77	-13.07	23.85	0.243	36.99	-13.14
5 MHz	QPSK	714.5	-1.20	1 / 0	24.32	20.97	0.125	34.77	-13.80	23.12	0.205	36.99	-13.87
		714.5	-1.20	1 / 7	21.30	17.95	0.062	34.77	-16.82	20.10	0.102	36.99	-16.89
		701.5	-1.20	1 / 0	25.62	22.27	0.169	34.77	-12.50	24.42	0.277	36.99	-12.57
	16-QAM	707.5	-1.20	1 / 0	25.70	<b>22.35</b>	0.172	34.77	-12.42	<b>24.50</b>	0.282	36.99	-12.49
	64-QAM	713.5	-1.20	1 / 12	25.55	22.20	0.166	34.77	-12.57	24.35	0.272	36.99	-12.64
10 MHz	QPSK	707.5	-1.20	1 / 0	24.90	21.55	0.143	34.77	-13.22	23.70	0.234	36.99	-13.29
		701.5	-1.20	1 / 12	24.04	20.69	0.117	34.77	-14.08	22.84	0.192	36.99	-14.15
		713.5	-1.20	1 / 12	21.01	17.66	0.058	34.77	-17.11	19.81	0.096	36.99	-17.18
	16-QAM	704.0	-1.20	1 / 0	25.57	22.22	0.167	34.77	-12.55	24.37	0.274	36.99	-12.62
	64-QAM	707.5	-1.20	1 / 0	25.58	22.23	0.167	34.77	-12.54	24.38	0.274	36.99	-12.61
	QPSK	711.0	-1.20	1 / 0	25.70	<b>22.35</b>	0.172	34.77	-12.42	<b>24.50</b>	0.282	36.99	-12.49
		707.5	-1.20	1 / 0	25.00	21.65	0.146	34.77	-13.12	23.80	0.240	36.99	-13.19
		707.5	-1.20	1 / 25	24.23	20.88	0.122	34.77	-13.89	23.03	0.201	36.99	-13.96
	16-QAM	707.5	-1.20	1 / 0	25.00	21.65	0.146	34.77	-13.12	23.80	0.240	36.99	-13.19
	64-QAM	707.5	-1.20	1 / 0	21.18	17.83	0.061	34.77	-16.94	19.98	0.100	36.99	-17.01

Table 7-5. Antenna 4 ERP/EIRP Data (LTE Band 12)


FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	706.5	-1.20	1 / 24	25.59	22.24	0.167	34.77	-12.53	24.39	0.275	36.99	-12.60
		710.0	-1.20	1 / 0	25.70	<b>22.35</b>	0.172	34.77	-12.42	<b>24.50</b>	0.282	36.99	-12.49
		713.5	-1.20	1 / 12	25.49	22.14	0.164	34.77	-12.63	24.29	0.269	36.99	-12.70
	16-QAM	710.0	-1.20	1 / 12	24.98	21.63	0.146	34.77	-13.14	23.78	0.239	36.99	-13.21
	64-QAM	706.5	-1.20	1 / 12	24.05	20.70	0.117	34.77	-14.07	22.85	0.193	36.99	-14.14
	256-QAM	713.5	-1.20	1 / 12	20.98	17.63	0.058	34.77	-17.14	19.78	0.095	36.99	-17.21
10 MHz	QPSK	709.0	-1.20	1 / 0	25.70	<b>22.35</b>	0.172	34.77	-12.42	<b>24.50</b>	0.282	36.99	-12.49
		710.0	-1.20	1 / 25	25.64	22.29	0.169	34.77	-12.48	24.44	0.278	36.99	-12.55
		711.0	-1.20	1 / 0	25.68	22.33	0.171	34.77	-12.44	24.48	0.281	36.99	-12.51
	16-QAM	711.0	-1.20	1 / 25	24.96	21.61	0.145	34.77	-13.16	23.76	0.238	36.99	-13.23
	64-QAM	711.0	-1.20	1 / 0	24.36	21.01	0.126	34.77	-13.76	23.16	0.207	36.99	-13.83
	256-QAM	711.0	-1.20	1 / 49	21.31	17.96	0.063	34.77	-16.81	20.11	0.103	36.99	-16.88

Table 7-6. Antenna 4 ERP/EIRP Data (LTE Band 17)

FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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## 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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	779.5	-1.20	1 / 0	25.65	22.30	0.170	34.77	-12.47	24.45	0.279	36.99	-12.54
		782.0	-1.20	1 / 24	25.70	<b>22.35</b>	0.172	34.77	-12.42	<b>24.50</b>	0.282	36.99	-12.49
		784.5	-1.20	1 / 24	25.55	22.20	0.166	34.77	-12.57	24.35	0.272	36.99	-12.64
	16-QAM	782.0	-1.20	1 / 0	25.29	21.94	0.156	34.77	-12.83	24.09	0.256	36.99	-12.90
	64-QAM	784.5	-1.20	1 / 24	24.25	20.90	0.123	34.77	-13.87	23.05	0.202	36.99	-13.94
	256-QAM	784.5	-1.20	1 / 0	21.02	17.67	0.058	34.77	-17.10	19.82	0.096	36.99	-17.17
10 MHz	QPSK	782.0	-1.20	1 / 0	25.70	<b>22.35</b>	0.172	34.77	-12.42	<b>24.50</b>	0.282	36.99	-12.49
	16-QAM	782.0	-1.20	1 / 49	24.72	21.37	0.137	34.77	-13.40	23.52	0.225	36.99	-13.47
	64-QAM	782.0	-1.20	1 / 49	23.93	20.58	0.114	34.77	-14.19	22.73	0.187	36.99	-14.26
	256-QAM	782.0	-1.20	1 / 49	21.08	17.73	0.059	34.77	-17.04	19.88	0.097	36.99	-17.11

**Table 7-7. Antenna 4 ERP/EIRP Data (LTE Band 13)**

FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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# NR Band n66

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	1.30	1 / 12	25.70	<b>27.00</b>	0.501	30.00	-3.00
		1745.0	1.30	1 / 1	25.58	26.88	0.488	30.00	-3.12
		1777.5	1.30	1 / 1	25.61	26.91	0.491	30.00	-3.09
	QPSK	1712.5	1.30	1 / 1	25.05	26.35	0.431	30.00	-3.65
		1745.0	1.30	1 / 12	25.61	<b>26.91</b>	0.490	30.00	-3.09
		1777.5	1.30	1 / 23	25.45	26.75	0.473	30.00	-3.25
	16-QAM	1745.0	1.30	1 / 23	25.06	<b>26.36</b>	0.432	30.00	-3.64
	64-QAM	1745.0	1.30	1 / 1	23.40	<b>24.70</b>	0.295	30.00	-5.30
	256-QAM	1745.0	1.30	1 / 23	21.12	<b>22.42</b>	0.175	30.00	-7.58
10 MHz	π/2 BPSK	1715.0	1.30	1 / 1	25.70	<b>27.00</b>	0.501	30.00	-3.00
		1745.0	1.30	1 / 1	25.50	26.80	0.479	30.00	-3.20
		1775.0	1.30	1 / 50	25.55	26.85	0.484	30.00	-3.15
	QPSK	1715.0	1.30	1 / 50	25.25	26.55	0.452	30.00	-3.45
		1745.0	1.30	1 / 50	25.65	<b>26.95</b>	0.496	30.00	-3.05
		1775.0	1.30	1 / 25	25.60	26.90	0.490	30.00	-3.10
	16-QAM	1715.0	1.30	1 / 25	24.71	<b>26.01</b>	0.399	30.00	-3.99
	64-QAM	1715.0	1.30	1 / 25	23.33	<b>24.63</b>	0.290	30.00	-5.37
	256-QAM	1715.0	1.30	1 / 50	21.29	<b>22.59</b>	0.182	30.00	-7.41
15 MHz	π/2 BPSK	1717.5	1.30	1 / 1	25.57	<b>26.87</b>	0.487	30.00	-3.13
		1745.0	1.30	1 / 1	25.49	26.79	0.478	30.00	-3.21
		1772.5	1.30	1 / 37	25.53	26.83	0.482	30.00	-3.17
	QPSK	1717.5	1.30	1 / 1	25.58	26.88	0.488	30.00	-3.12
		1745.0	1.30	1 / 1	25.70	<b>27.00</b>	0.501	30.00	-3.00
		1772.5	1.30	1 / 1	25.34	26.64	0.462	30.00	-3.36
	16-QAM	1772.5	1.30	1 / 1	24.87	<b>26.17</b>	0.414	30.00	-3.83
	64-QAM	1745.0	1.30	1 / 1	23.29	<b>24.59</b>	0.288	30.00	-5.41
	256-QAM	1745.0	1.30	1 / 77	21.20	<b>22.50</b>	0.178	30.00	-7.50
20 MHz	π/2 BPSK	1720.0	1.30	1 / 104	25.56	26.86	0.485	30.00	-3.14
		1745.0	1.30	1 / 1	25.52	26.82	0.481	30.00	-3.18
		1770.0	1.30	1 / 104	25.46	26.76	0.474	30.00	-3.24
	QPSK	1720.0	1.30	1 / 104	25.70	<b>27.00</b>	0.501	30.00	-3.00
		1745.0	1.30	1 / 1	25.57	26.87	0.487	30.00	-3.13
		1770.0	1.30	1 / 104	25.34	26.64	0.462	30.00	-3.36
	16-QAM	1770.0	1.30	1 / 104	24.88	26.18	0.415	30.00	-3.82
	64-QAM	1770.0	1.30	1 / 1	23.08	24.38	0.274	30.00	-5.62
	256-QAM	1720.0	1.30	1 / 1	20.94	22.24	0.167	30.00	-7.76
30 MHz	π/2 BPSK	1725.0	1.30	1 / 158	25.70	<b>27.00</b>	0.501	30.00	-3.00
		1745.0	1.30	1 / 1	25.35	26.65	0.462	30.00	-3.35
		1765.0	1.30	1 / 80	25.30	26.60	0.457	30.00	-3.40
	QPSK	1725.0	1.30	1 / 1	25.55	26.85	0.484	30.00	-3.15
		1745.0	1.30	1 / 1	25.50	26.80	0.479	30.00	-3.20
		1765.0	1.30	1 / 1	25.69	26.99	0.500	30.00	-3.01
	16-QAM	1765.0	1.30	1 / 1	24.68	25.98	0.396	30.00	-4.02
	64-QAM	1765.0	1.30	1 / 1	23.06	24.36	0.273	30.00	-5.64
	256-QAM	1745.0	1.30	1 / 1	20.92	22.22	0.167	30.00	-7.78
40 MHz	π/2 BPSK	1730.0	1.30	1 / 214	25.26	26.56	0.453	30.00	-3.44
		1745.0	1.30	1 / 1	25.49	26.79	0.477	30.00	-3.21
		1760.0	1.30	1 / 214	25.70	<b>27.00</b>	0.501	30.00	-3.00
	QPSK	1730.0	1.30	1 / 214	25.38	26.68	0.466	30.00	-3.32
		1745.0	1.30	1 / 108	25.40	26.70	0.467	30.00	-3.30
		1760.0	1.30	1 / 1	25.57	26.87	0.487	30.00	-3.13
	16-QAM	1745.0	1.30	1 / 1	25.10	26.40	0.437	30.00	-3.60
	64-QAM	1745.0	1.30	1 / 1	23.36	24.66	0.293	30.00	-5.34
	256-QAM	1745.0	1.30	1 / 1	21.25	22.55	0.180	30.00	-7.45

Table 7-8. Antenna 4 EIRP Data (NR Band n66)

FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	$\pi/2$ BPSK	665.5	-1.60	1 / 24	25.70	<b>21.95</b>	0.157	34.77	-12.82	<b>24.10</b>	0.257	36.99	-12.89
		680.5	-1.60	1 / 0	25.29	21.54	0.143	34.77	-13.23	23.69	0.234	36.99	-13.30
		695.5	-1.60	1 / 12	25.07	21.32	0.136	34.77	-13.45	23.47	0.223	36.99	-13.52
	QPSK	665.5	-1.60	1 / 12	25.41	21.66	0.147	34.77	-13.11	23.81	0.241	36.99	-13.18
		680.5	-1.60	1 / 12	25.45	<b>21.70</b>	0.148	34.77	-13.07	<b>23.85</b>	0.243	36.99	-13.14
		695.5	-1.60	1 / 12	25.04	21.29	0.135	34.77	-13.48	23.44	0.221	36.99	-13.55
	16-QAM	665.5	-1.60	1 / 0	24.51	20.76	0.119	34.77	-14.01	22.91	0.196	36.99	-14.08
	64-QAM	665.5	-1.60	1 / 0	23.19	19.44	0.088	34.77	-15.33	21.59	0.144	36.99	-15.40
10 MHz	$\pi/2$ BPSK	665.5	-1.60	1 / 0	21.16	17.41	0.055	34.77	-17.36	19.56	0.090	36.99	-17.43
		668.0	-1.60	1 / 25	25.70	<b>21.95</b>	0.157	34.77	-12.82	<b>24.10</b>	0.257	36.99	-12.89
		680.5	-1.60	1 / 25	25.16	21.41	0.138	34.77	-13.36	23.56	0.227	36.99	-13.43
	QPSK	693.0	-1.60	1 / 25	25.24	21.49	0.141	34.77	-13.28	23.64	0.231	36.99	-13.35
		668.0	-1.60	1 / 25	25.52	21.77	0.150	34.77	-13.00	23.92	0.247	36.99	-13.07
		680.5	-1.60	1 / 25	25.40	21.65	0.146	34.77	-13.12	23.80	0.240	36.99	-13.19
	16-QAM	693.0	-1.60	1 / 0	25.27	21.52	0.142	34.77	-13.25	23.67	0.233	36.99	-13.32
		668.0	-1.60	1 / 0	24.46	20.71	0.118	34.77	-14.06	22.86	0.193	36.99	-14.13
15 MHz	$\pi/2$ BPSK	668.0	-1.60	1 / 0	23.04	19.29	0.085	34.77	-15.48	21.44	0.139	36.99	-15.55
		668.0	-1.60	1 / 0	21.45	17.70	0.059	34.77	-17.07	19.85	0.097	36.99	-17.14
		670.5	-1.60	1 / 0	25.66	21.91	0.155	34.77	-12.86	24.06	0.255	36.99	-12.93
	QPSK	680.5	-1.60	1 / 74	25.64	21.89	0.155	34.77	-12.88	24.04	0.254	36.99	-12.95
		690.5	-1.60	1 / 0	25.70	<b>21.95</b>	0.157	34.77	-12.82	<b>24.10</b>	0.257	36.99	-12.89
		670.5	-1.60	1 / 0	25.52	21.77	0.150	34.77	-13.00	23.92	0.247	36.99	-13.07
	16-QAM	680.5	-1.60	1 / 0	25.48	21.73	0.149	34.77	-13.04	23.88	0.244	36.99	-13.11
		690.5	-1.60	1 / 0	25.40	21.65	0.146	34.77	-13.12	23.80	0.240	36.99	-13.19
20 MHz	$\pi/2$ BPSK	670.5	-1.60	1 / 0	25.00	21.25	0.133	34.77	-13.52	23.40	0.219	36.99	-13.59
		670.5	-1.60	1 / 0	23.31	19.56	0.090	34.77	-15.21	21.71	0.148	36.99	-15.28
		670.5	-1.60	1 / 37	21.32	17.57	0.057	34.77	-17.20	19.72	0.094	36.99	-17.27
	QPSK	673.0	-1.60	1 / 0	25.70	<b>21.95</b>	0.157	34.77	-12.82	<b>24.10</b>	0.257	36.99	-12.89
		680.5	-1.60	1 / 0	25.62	21.87	0.154	34.77	-12.90	24.02	0.253	36.99	-12.97
		688.0	-1.60	1 / 0	25.21	21.46	0.140	34.77	-13.31	23.61	0.230	36.99	-13.38
	16-QAM	673.0	-1.60	1 / 50	25.38	21.63	0.146	34.77	-13.14	23.78	0.239	36.99	-13.21
		680.5	-1.60	1 / 99	25.42	21.67	0.147	34.77	-13.11	23.82	0.241	36.99	-13.17
20 MHz	QPSK	688.0	-1.60	1 / 0	25.29	21.54	0.143	34.77	-13.23	23.69	0.234	36.99	-13.30
		680.5	-1.60	1 / 0	24.73	20.98	0.125	34.77	-13.79	23.13	0.205	36.99	-13.86
	64-QAM	680.5	-1.60	1 / 50	23.07	19.32	0.086	34.77	-15.45	21.47	0.140	36.99	-15.52
	256-QAM	688.0	-1.60	1 / 0	21.12	17.37	0.055	34.77	-17.41	19.52	0.089	36.99	-17.47

**Table 7-9. Antenna 4 ERP/EIRP Data (NR Band n71)**


FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	$\pi/2$ BPSK	701.5	-1.20	1 / 23	25.44	<b>22.09</b>	0.162	34.77	-12.68	<b>24.24</b>	0.266	36.99	-12.75
		707.5	-1.20	1 / 1	25.59	22.24	0.167	34.77	-12.53	24.39	0.275	36.99	-12.60
		713.5	-1.20	1 / 12	25.43	22.08	0.161	34.77	-12.69	24.23	0.265	36.99	-12.76
	QPSK	701.5	-1.20	1 / 1	25.70	<b>22.35</b>	0.172	34.77	-12.42	<b>24.50</b>	0.282	36.99	-12.49
		707.5	-1.20	1 / 1	25.55	22.20	0.166	34.77	-12.58	24.35	0.272	36.99	-12.64
		713.5	-1.20	1 / 1	25.28	21.93	0.156	34.77	-12.84	24.08	0.256	36.99	-12.91
	16-QAM	707.5	-1.20	1 / 12	24.66	21.31	0.135	34.77	-13.46	23.46	0.222	36.99	-13.53
	64-QAM	707.5	-1.20	1 / 1	23.40	20.05	0.101	34.77	-14.72	22.20	0.166	36.99	-14.79
10 MHz	$\pi/2$ BPSK	701.5	-1.20	1 / 23	21.11	17.76	0.060	34.77	-17.01	19.91	0.098	36.99	-17.08
		704.0	-1.20	1 / 26	25.57	22.22	0.167	34.77	-12.55	24.37	0.273	36.99	-12.62
		707.5	-1.20	1 / 26	25.68	22.33	0.171	34.77	-12.44	24.48	0.280	36.99	-12.51
	QPSK	711.0	-1.20	1 / 26	25.36	22.01	0.159	34.77	-12.76	24.16	0.261	36.99	-12.83
		704.0	-1.20	1 / 26	25.22	21.87	0.154	34.77	-12.90	24.02	0.253	36.99	-12.97
		707.5	-1.20	1 / 26	25.46	22.11	0.163	34.77	-12.66	24.26	0.267	36.99	-12.73
	16-QAM	711.0	-1.20	1 / 1	25.70	<b>22.35</b>	0.172	34.77	-12.42	<b>24.50</b>	0.282	36.99	-12.49
		711.0	-1.20	1 / 26	24.99	21.64	0.146	34.77	-13.13	23.79	0.239	36.99	-13.20
15 MHz	$\pi/2$ BPSK	704.0	-1.20	1 / 50	23.23	19.88	0.097	34.77	-14.89	22.03	0.160	36.99	-14.96
		704.0	-1.20	1 / 50	21.77	18.42	0.069	34.77	-16.35	20.57	0.114	36.99	-16.42
		706.5	-1.20	1 / 39	25.65	<b>22.30</b>	0.170	34.77	-12.47	<b>24.45</b>	0.278	36.99	-12.54
	QPSK	707.5	-1.20	1 / 77	25.53	22.18	0.165	34.77	-12.59	24.33	0.271	36.99	-12.66
		708.5	-1.20	1 / 39	25.47	22.12	0.163	34.77	-12.66	24.27	0.267	36.99	-12.72
		706.5	-1.20	1 / 77	25.58	22.23	0.167	34.77	-12.54	24.38	0.274	36.99	-12.61
	16-QAM	707.5	-1.20	1 / 39	25.70	<b>22.35</b>	0.172	34.77	-12.42	<b>24.50</b>	0.282	36.99	-12.49
		708.5	-1.20	1 / 39	25.49	22.14	0.164	34.77	-12.63	24.29	0.269	36.99	-12.70
15 MHz	64-QAM	708.5	-1.20	1 / 1	24.76	21.41	0.138	34.77	-13.36	23.56	0.227	36.99	-13.43
	256-QAM	706.5	-1.20	1 / 39	23.38	20.03	0.101	34.77	-14.74	22.18	0.165	36.99	-14.81
		707.5	-1.20	1 / 1	21.36	18.01	0.063	34.77	-16.76	20.16	0.104	36.99	-16.83

Table 7-10. Antenna 4 ERP/EIRP Data (NR Band n12)

FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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## Uplink CA LTE Band 66B/C

Power State	Band	Bandwidth (PCC + SCC)	PCC				SCC					ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	
			Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset	Modulation	UL Channel	UL Frequency	UL # RB							UL RB Offset
Max	LTE B66	20MHz + 20MHz	QPSK	132072	1720.0	1	99	QPSK	132270	1739.8	1	0	25.54	1.30	26.84	0.483	40.61	-13.77
				132322	1745.0	1	99		132520	1764.8	1	0	25.62	1.30	26.92	0.492	40.61	-13.69
				132572	1770.0	1	0		132374	1750.2	1	99	25.60	1.30	26.90	0.490	40.61	-13.71
			QPSK	132322	1745	100	0	QPSK	132520	1764.8	100	0	23.73	1.30	25.03	0.318	40.61	-15.58
			16-QAM	132322	1745	100	0	16-QAM	132520	1764.8	100	0	22.87	1.30	24.17	0.261	40.61	-16.44
			64-QAM	132322	1745	100	0	64-QAM	132520	1764.8	100	0	22.71	1.30	24.01	0.252	40.61	-16.60
			256-QAM	132322	1745	100	0	256-QAM	132520	1764.8	100	0	20.75	1.30	22.05	0.160	40.61	-18.56

**Table 7-11. Antenna 4 EIRP Data (ULCA LTE Band 66)**

FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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# WCDMA AWS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	25.55	1.30	26.85	0.484	30.00	-3.15
1732.60	WCDMA1700	25.58	1.30	<b>26.88</b>	<b>0.488</b>	30.00	-3.12
1752.60	WCDMA1700	25.57	1.30	26.87	0.486	30.00	-3.13

**Table 7-12. Antenna 4 EIRP Data (WCDMA AWS)**

FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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## 7.6.2 Port 3b – ERP/EIRP

### 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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	665.5	-2.90	1 / 12	24.96	19.91	0.098	34.77	-14.86	22.06	0.161	36.99	-14.93
		680.5	-2.90	1 / 0	25.20	20.15	0.104	34.77	-14.62	22.30	0.170	36.99	-14.69
		695.5	-2.90	1 / 0	25.09	20.04	0.101	34.77	-14.73	22.19	0.166	36.99	-14.80
	16-QAM	680.5	-2.90	1 / 0	24.41	19.36	0.086	34.77	-15.41	21.51	0.142	36.99	-15.48
	64-QAM	665.5	-2.90	1 / 0	24.01	18.96	0.079	34.77	-15.81	21.11	0.129	36.99	-15.88
	256-QAM	665.5	-2.90	1 / 0	20.81	15.76	0.038	34.77	-19.01	17.91	0.062	36.99	-19.08
10 MHz	QPSK	668.0	-2.90	1 / 0	25.18	20.13	0.103	34.77	-14.64	22.28	0.169	36.99	-14.71
		680.5	-2.90	1 / 0	25.14	20.09	0.102	34.77	-14.68	22.24	0.167	36.99	-14.75
		693.0	-2.90	1 / 0	25.20	20.15	0.104	34.77	-14.62	22.30	0.170	36.99	-14.69
	16-QAM	680.5	-2.90	1 / 25	24.84	19.79	0.095	34.77	-14.98	21.94	0.156	36.99	-15.05
	64-QAM	680.5	-2.90	1 / 25	23.67	18.62	0.073	34.77	-16.15	20.77	0.119	36.99	-16.22
	256-QAM	693.0	-2.90	1 / 0	20.78	15.73	0.037	34.77	-19.04	17.88	0.061	36.99	-19.11
15 MHz	QPSK	670.5	-2.90	1 / 37	25.11	20.06	0.101	34.77	-14.71	22.21	0.166	36.99	-14.78
		680.5	-2.90	1 / 37	25.05	20.00	0.100	34.77	-14.77	22.15	0.164	36.99	-14.84
		690.5	-2.90	1 / 37	25.20	20.15	0.104	34.77	-14.62	22.30	0.170	36.99	-14.69
	16-QAM	680.5	-2.90	1 / 37	24.77	19.72	0.094	34.77	-15.05	21.87	0.154	36.99	-15.12
	64-QAM	680.5	-2.90	1 / 37	23.69	18.64	0.073	34.77	-16.13	20.79	0.120	36.99	-16.20
	256-QAM	690.5	-2.90	1 / 37	20.96	15.91	0.039	34.77	-18.86	18.06	0.064	36.99	-18.93
20 MHz	QPSK	673.0	-2.90	1 / 50	24.94	19.89	0.097	34.77	-14.88	22.04	0.160	36.99	-14.95
		680.5	-2.90	1 / 50	25.20	20.15	0.104	34.77	-14.62	22.30	0.170	36.99	-14.69
		688.0	-2.90	1 / 50	25.04	19.99	0.100	34.77	-14.78	22.14	0.164	36.99	-14.85
	16-QAM	673.0	-2.90	1 / 50	24.60	19.55	0.090	34.77	-15.22	21.70	0.148	36.99	-15.29
	64-QAM	688.0	-2.90	1 / 50	23.69	18.64	0.073	34.77	-16.13	20.79	0.120	36.99	-16.20
	256-QAM	673.0	-2.90	1 / 50	21.01	15.96	0.039	34.77	-18.81	18.11	0.065	36.99	-18.88

Table 7-13. Antenna 3b ERP/EIRP Data (LTE Band 71)


FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	699.7	-2.60	1 / 3	25.20	<b>20.45</b>	0.111	34.77	-14.32	<b>22.60</b>	0.182	36.99	-14.39
		707.5	-2.60	1 / 3	25.04	20.29	0.107	34.77	-14.48	22.44	0.175	36.99	-14.55
		715.3	-2.60	1 / 3	24.95	20.20	0.105	34.77	-14.57	22.35	0.172	36.99	-14.64
	16-QAM	707.5	-2.60	1 / 3	24.58	19.83	0.096	34.77	-14.94	21.98	0.158	36.99	-15.01
	64-QAM	699.7	-2.60	1 / 3	23.40	18.65	0.073	34.77	-16.12	20.80	0.120	36.99	-16.19
	256-QAM	699.7	-2.60	1 / 0	20.25	15.50	0.035	34.77	-19.27	17.65	0.058	36.99	-19.34
3 MHz	QPSK	700.5	-2.60	1 / 0	25.11	20.36	0.109	34.77	-14.41	22.51	0.178	36.99	-14.48
		707.5	-2.60	1 / 0	25.20	<b>20.45</b>	0.111	34.77	-14.32	<b>22.60</b>	0.182	36.99	-14.39
		714.5	-2.60	1 / 0	25.20	<b>20.45</b>	0.111	34.77	-14.32	<b>22.60</b>	0.182	36.99	-14.39
	16-QAM	707.5	-2.60	1 / 0	24.70	19.95	0.099	34.77	-14.82	22.10	0.162	36.99	-14.89
	64-QAM	714.5	-2.60	1 / 0	23.47	18.72	0.074	34.77	-16.05	20.87	0.122	36.99	-16.12
	256-QAM	714.5	-2.60	1 / 0	20.83	16.08	0.041	34.77	-18.69	18.23	0.067	36.99	-18.76
5 MHz	QPSK	701.5	-2.60	1 / 0	25.15	20.40	0.110	34.77	-14.37	22.55	0.180	36.99	-14.44
		707.5	-2.60	1 / 0	25.20	<b>20.45</b>	0.111	34.77	-14.32	<b>22.60</b>	0.182	36.99	-14.39
		713.5	-2.60	1 / 0	25.02	20.27	0.106	34.77	-14.50	22.42	0.175	36.99	-14.57
	16-QAM	707.5	-2.60	1 / 0	24.83	20.08	0.102	34.77	-14.69	22.23	0.167	36.99	-14.76
	64-QAM	701.5	-2.60	1 / 0	23.63	18.88	0.077	34.77	-15.89	21.03	0.127	36.99	-15.96
	256-QAM	707.5	-2.60	1 / 12	20.44	15.69	0.037	34.77	-19.08	17.84	0.061	36.99	-19.15
10 MHz	QPSK	704.0	-2.60	1 / 49	25.20	<b>20.45</b>	0.111	34.77	-14.32	<b>22.60</b>	0.182	36.99	-14.39
		707.5	-2.60	1 / 0	25.18	20.43	0.110	34.77	-14.34	22.58	0.181	36.99	-14.41
		711.0	-2.60	1 / 0	25.18	20.43	0.110	34.77	-14.34	22.58	0.181	36.99	-14.41
	16-QAM	704.0	-2.60	1 / 0	24.70	19.95	0.099	34.77	-14.82	22.10	0.162	36.99	-14.89
	64-QAM	707.5	-2.60	1 / 0	23.54	18.79	0.076	34.77	-15.98	20.94	0.124	36.99	-16.05
	256-QAM	707.5	-2.60	1 / 25	20.92	16.17	0.041	34.77	-18.60	18.32	0.068	36.99	-18.67

Table 7-14. Antenna 3b ERP/EIRP Data (LTE Band 12)

FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	706.5	-2.60	1 / 12	25.12	20.37	0.109	34.77	-14.40	22.52	0.179	36.99	-14.47
		710.0	-2.60	1 / 12	25.20	<b>20.45</b>	0.111	34.77	-14.32	<b>22.60</b>	0.182	36.99	-14.39
		713.5	-2.60	1 / 24	24.94	20.19	0.104	34.77	-14.58	22.34	0.171	36.99	-14.65
	16-QAM	710.0	-2.60	1 / 12	24.40	19.65	0.092	34.77	-15.12	21.80	0.151	36.99	-15.19
	64-QAM	706.5	-2.60	1 / 12	23.51	18.76	0.075	34.77	-16.01	20.91	0.123	36.99	-16.08
	256-QAM	706.5	-2.60	1 / 24	20.46	15.71	0.037	34.77	-19.06	17.86	0.061	36.99	-19.13
10 MHz	QPSK	709.0	-2.60	1 / 0	25.15	20.40	0.110	34.77	-14.37	22.55	0.180	36.99	-14.44
		710.0	-2.60	1 / 0	25.14	20.39	0.109	34.77	-14.38	22.54	0.179	36.99	-14.45
		711.0	-2.60	1 / 0	25.20	<b>20.45</b>	0.111	34.77	-14.32	<b>22.60</b>	0.182	36.99	-14.39
	16-QAM	710.0	-2.60	1 / 0	24.55	19.80	0.095	34.77	-14.97	21.95	0.157	36.99	-15.04
	64-QAM	710.0	-2.60	1 / 25	23.85	19.10	0.081	34.77	-15.67	21.25	0.133	36.99	-15.74
	256-QAM	710.0	-2.60	1 / 49	20.85	16.10	0.041	34.77	-18.67	18.25	0.067	36.99	-18.74

**Table 7-15. Antenna 3b ERP/EIRP Data (LTE Band 17)**


FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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## 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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	779.5	-2.50	1 / 12	25.17	20.52	0.113	34.77	-14.25	22.67	0.185	36.99	-14.32
		782.0	-2.50	1 / 12	25.20	<b>20.55</b>	0.114	34.77	-14.22	<b>22.70</b>	0.186	36.99	-14.29
		784.5	-2.50	1 / 0	25.09	20.44	0.111	34.77	-14.33	22.59	0.182	36.99	-14.40
	16-QAM	782.0	-2.50	1 / 0	24.54	19.89	0.097	34.77	-14.88	22.04	0.160	36.99	-14.95
	64-QAM	779.5	-2.50	1 / 12	23.65	19.00	0.079	34.77	-15.77	21.15	0.130	36.99	-15.84
10 MHz	256-QAM	784.5	-2.50	1 / 12	20.68	16.03	0.040	34.77	-18.74	18.18	0.066	36.99	-18.81
	QPSK	782.0	-2.50	1 / 0	25.20	<b>20.55</b>	0.114	34.77	-14.22	<b>22.70</b>	0.186	36.99	-14.29
	16-QAM	782.0	-2.50	1 / 25	24.57	19.92	0.098	34.77	-14.85	22.07	0.161	36.99	-14.92
	64-QAM	782.0	-2.50	1 / 25	23.89	19.24	0.084	34.77	-15.53	21.39	0.138	36.99	-15.60
	256-QAM	782.0	-2.50	1 / 49	20.93	16.28	0.042	34.77	-18.49	18.43	0.070	36.99	-18.56

**Table 7-16. Antenna 3b ERP/EIRP Data (LTE Band 13)**


FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	$\pi/2$ BPSK	665.5	-2.90	1 / 24	25.20	<b>20.15</b>	0.104	34.77	-14.62	<b>22.30</b>	0.170	36.99	-14.69
		680.5	-2.90	1 / 0	24.80	19.75	0.094	34.77	-15.02	21.90	0.155	36.99	-15.09
		695.5	-2.90	1 / 0	24.99	19.94	0.099	34.77	-14.83	22.09	0.162	36.99	-14.90
	QPSK	665.5	-2.90	1 / 12	24.84	19.79	0.095	34.77	-14.98	21.94	0.156	36.99	-15.05
		680.5	-2.90	1 / 24	24.84	<b>19.79</b>	0.095	34.77	-14.98	<b>21.94</b>	0.156	36.99	-15.05
		695.5	-2.90	1 / 0	24.68	19.63	0.092	34.77	-15.14	21.78	0.151	36.99	-15.21
	16-QAM	665.5	-2.90	1 / 0	24.19	19.14	0.082	34.77	-15.63	21.29	0.135	36.99	-15.70
	64-QAM	665.5	-2.90	1 / 0	22.45	17.40	0.055	34.77	-17.37	19.55	0.090	36.99	-17.44
10 MHz	$\pi/2$ BPSK	665.5	-2.90	1 / 12	20.52	15.47	0.035	34.77	-19.30	17.62	0.058	36.99	-19.37
		668.0	-2.90	1 / 25	25.20	<b>20.15</b>	0.104	34.77	-14.62	<b>22.30</b>	0.170	36.99	-14.69
		680.5	-2.90	1 / 25	24.94	19.89	0.098	34.77	-14.88	22.04	0.160	36.99	-14.95
	QPSK	693.0	-2.90	1 / 0	24.66	19.61	0.091	34.77	-15.17	21.76	0.150	36.99	-15.23
		668.0	-2.90	1 / 25	25.04	19.99	0.100	34.77	-14.78	22.14	0.164	36.99	-14.85
		680.5	-2.90	1 / 0	24.77	19.72	0.094	34.77	-15.06	21.87	0.154	36.99	-15.12
	16-QAM	693.0	-2.90	1 / 25	24.66	19.61	0.091	34.77	-15.16	21.76	0.150	36.99	-15.23
		668.0	-2.90	1 / 25	24.16	19.11	0.081	34.77	-15.66	21.26	0.134	36.99	-15.73
15 MHz	$\pi/2$ BPSK	680.5	-2.90	1 / 49	22.60	17.55	0.057	34.77	-17.22	19.70	0.093	36.99	-17.29
		668.0	-2.90	1 / 49	20.57	15.52	0.036	34.77	-19.25	17.67	0.058	36.99	-19.32
		670.5	-2.90	1 / 0	24.61	19.56	0.090	34.77	-15.21	21.71	0.148	36.99	-15.28
	QPSK	680.5	-2.90	1 / 0	24.75	19.70	0.093	34.77	-15.08	21.85	0.153	36.99	-15.14
		690.5	-2.90	1 / 37	24.76	19.71	0.093	34.77	-15.06	21.86	0.153	36.99	-15.13
		670.5	-2.90	1 / 0	25.20	<b>20.15</b>	0.104	34.77	-14.62	<b>22.30</b>	0.170	36.99	-14.69
	16-QAM	680.5	-2.90	1 / 0	24.68	19.63	0.092	34.77	-15.14	21.78	0.151	36.99	-15.21
		690.5	-2.90	1 / 0	24.65	19.60	0.091	34.77	-15.17	21.75	0.150	36.99	-15.24
20 MHz	$\pi/2$ BPSK	680.5	-2.90	1 / 0	23.95	18.90	0.078	34.77	-15.87	21.05	0.127	36.99	-15.94
		680.5	-2.90	1 / 37	22.50	17.45	0.056	34.77	-17.32	19.60	0.091	36.99	-17.39
		690.5	-2.90	1 / 37	20.39	15.34	0.034	34.77	-19.43	17.49	0.056	36.99	-19.50
	QPSK	673.0	-2.90	1 / 99	25.18	20.13	0.103	34.77	-14.64	22.28	0.169	36.99	-14.71
		680.5	-2.90	1 / 0	25.17	20.12	0.103	34.77	-14.65	22.27	0.169	36.99	-14.72
		688.0	-2.90	1 / 50	25.11	20.06	0.101	34.77	-14.71	22.21	0.166	36.99	-14.78
	16-QAM	673.0	-2.90	1 / 0	25.11	20.06	0.101	34.77	-14.71	22.21	0.166	36.99	-14.78
		680.5	-2.90	1 / 99	25.20	<b>20.15</b>	0.104	34.77	-14.62	<b>22.30</b>	0.170	36.99	-14.69
25 MHz	$\pi/2$ BPSK	688.0	-2.90	1 / 0	25.19	20.14	0.103	34.77	-14.63	22.29	0.169	36.99	-14.70
		680.5	-2.90	1 / 0	24.41	19.36	0.086	34.77	-15.41	21.51	0.141	36.99	-15.48
		680.5	-2.90	1 / 0	22.89	17.84	0.061	34.77	-16.93	19.99	0.100	36.99	-17.00
	QPSK	673.0	-2.90	1 / 0	20.66	15.61	0.036	34.77	-19.16	17.76	0.060	36.99	-19.23
		680.5	-2.90	1 / 0	20.66	15.61	0.036	34.77	-19.16	17.76	0.060	36.99	-19.23
		680.5	-2.90	1 / 0	20.66	15.61	0.036	34.77	-19.16	17.76	0.060	36.99	-19.23
	16-QAM	673.0	-2.90	1 / 0	20.66	15.61	0.036	34.77	-19.16	17.76	0.060	36.99	-19.23
		680.5	-2.90	1 / 0	20.66	15.61	0.036	34.77	-19.16	17.76	0.060	36.99	-19.23
		680.5	-2.90	1 / 0	20.66	15.61	0.036	34.77	-19.16	17.76	0.060	36.99	-19.23

Table 7-17. Antenna 3b ERP/EIRP Data (NR Band n71)

FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	$\pi/2$ BPSK	701.5	-2.60	1 / 12	25.19	<b>20.44</b>	0.111	34.77	-14.33	<b>22.59</b>	0.182	36.99	-14.40
		707.5	-2.60	1 / 1	24.89	20.14	0.103	34.77	-14.63	22.29	0.169	36.99	-14.70
		713.5	-2.60	1 / 1	24.86	20.11	0.103	34.77	-14.66	22.26	0.168	36.99	-14.73
	QPSK	701.5	-2.60	1 / 1	24.88	20.13	0.103	34.77	-14.64	22.28	0.169	36.99	-14.71
		707.5	-2.60	1 / 12	25.20	<b>20.45</b>	0.111	34.77	-14.32	<b>22.60</b>	0.182	36.99	-14.39
		713.5	-2.60	1 / 1	24.77	20.02	0.101	34.77	-14.75	22.17	0.165	36.99	-14.82
	16-QAM	701.5	-2.60	1 / 12	23.91	19.16	0.082	34.77	-15.61	21.31	0.135	36.99	-15.68
		707.5	-2.60	1 / 23	22.54	17.79	0.060	34.77	-16.98	19.94	0.099	36.99	-17.05
		707.5	-2.60	1 / 1	20.46	15.71	0.037	34.77	-19.06	17.86	0.061	36.99	-19.13
10 MHz	$\pi/2$ BPSK	704.0	-2.60	1 / 1	24.85	20.10	0.102	34.77	-14.67	22.25	0.168	36.99	-14.74
		707.5	-2.60	1 / 1	25.20	<b>20.45</b>	0.111	34.77	-14.32	<b>22.60</b>	0.182	36.99	-14.39
		711.0	-2.60	1 / 50	24.72	19.97	0.099	34.77	-14.80	22.12	0.163	36.99	-14.87
	QPSK	704.0	-2.60	1 / 26	24.98	20.23	0.105	34.77	-14.54	22.38	0.173	36.99	-14.61
		707.5	-2.60	1 / 1	24.88	20.13	0.103	34.77	-14.64	22.28	0.169	36.99	-14.70
		711.0	-2.60	1 / 1	24.77	20.02	0.100	34.77	-14.75	22.17	0.165	36.99	-14.82
	16-QAM	711.0	-2.60	1 / 1	24.21	19.46	0.088	34.77	-15.31	21.61	0.145	36.99	-15.38
		711.0	-2.60	1 / 26	22.72	17.97	0.063	34.77	-16.80	20.12	0.103	36.99	-16.87
		704.0	-2.60	1 / 1	20.80	16.05	0.040	34.77	-18.72	18.20	0.066	36.99	-18.79
15 MHz	$\pi/2$ BPSK	706.5	-2.60	1 / 77	24.94	<b>20.19</b>	0.104	34.77	-14.58	<b>22.34</b>	0.171	36.99	-14.65
		707.5	-2.60	1 / 39	25.02	20.27	0.106	34.77	-14.51	22.42	0.174	36.99	-14.57
		708.5	-2.60	1 / 39	25.20	<b>20.45</b>	0.111	34.77	-14.32	<b>22.60</b>	0.182	36.99	-14.39
	QPSK	706.5	-2.60	1 / 1	25.02	20.27	0.106	34.77	-14.50	22.42	0.175	36.99	-14.57
		707.5	-2.60	1 / 1	24.97	20.22	0.105	34.77	-14.55	22.37	0.173	36.99	-14.62
		708.5	-2.60	1 / 1	24.90	20.15	0.104	34.77	-14.62	22.30	0.170	36.99	-14.69
	16-QAM	706.5	-2.60	1 / 1	24.09	19.34	0.086	34.77	-15.44	21.49	0.141	36.99	-15.50
		707.5	-2.60	1 / 1	22.63	17.88	0.061	34.77	-16.89	20.03	0.101	36.99	-16.96
		706.5	-2.60	1 / 1	20.39	15.64	0.037	34.77	-19.13	17.79	0.060	36.99	-19.20

**Table 7-18. Antenna 3b ERP/EIRP Data (NR Band n12)**

FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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## 7.6.3 Port 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	-1.70	1 / 5	24.20	<b>22.50</b>	0.178	30.00	-7.50
		1745.0	-1.70	1 / 5	23.84	22.14	0.164	30.00	-7.86
		1779.3	-1.70	1 / 0	24.10	22.40	0.174	30.00	-7.60
	16-QAM	1710.7	-1.70	1 / 0	23.15	21.45	0.140	30.00	-8.55
	64-QAM	1745.0	-1.70	1 / 0	22.20	20.50	0.112	30.00	-9.50
	256-QAM	1745.0	-1.70	1 / 3	19.22	17.52	0.056	30.00	-12.48
3 MHz	QPSK	1711.5	-1.70	1 / 14	23.96	22.26	0.168	30.00	-7.74
		1745.0	-1.70	1 / 7	24.20	<b>22.50</b>	0.178	30.00	-7.50
		1778.5	-1.70	1 / 7	24.05	22.35	0.172	30.00	-7.65
	16-QAM	1711.5	-1.70	1 / 0	23.08	21.38	0.137	30.00	-8.62
	64-QAM	1745.0	-1.70	1 / 14	22.13	20.43	0.110	30.00	-9.57
	256-QAM	1711.5	-1.70	1 / 14	19.30	17.60	0.058	30.00	-12.40
5 MHz	QPSK	1712.5	-1.70	1 / 0	24.20	<b>22.50</b>	0.178	30.00	-7.50
		1745.0	-1.70	1 / 0	24.09	22.39	0.173	30.00	-7.61
		1777.5	-1.70	1 / 24	24.00	22.30	0.170	30.00	-7.70
	16-QAM	1712.5	-1.70	1 / 0	23.58	21.88	0.154	30.00	-8.12
	64-QAM	1777.5	-1.70	1 / 24	22.48	20.78	0.120	30.00	-9.22
	256-QAM	1712.5	-1.70	1 / 0	19.60	17.90	0.062	30.00	-12.10
10 MHz	QPSK	1715.0	-1.70	1 / 49	24.20	<b>22.50</b>	0.178	30.00	-7.50
		1745.0	-1.70	1 / 49	24.20	<b>22.50</b>	0.178	30.00	-7.50
		1775.0	-1.70	1 / 25	24.10	22.40	0.174	30.00	-7.60
	16-QAM	1745.0	-1.70	1 / 49	23.20	21.50	0.141	30.00	-8.50
	64-QAM	1775.0	-1.70	1 / 0	22.12	20.42	0.110	30.00	-9.58
	256-QAM	1715.0	-1.70	1 / 49	19.01	17.31	0.054	30.00	-12.69
15 MHz	QPSK	1717.5	-1.70	1 / 0	24.08	22.38	0.173	30.00	-7.62
		1745.0	-1.70	1 / 0	24.20	<b>22.50</b>	0.178	30.00	-7.50
		1772.5	-1.70	1 / 74	24.13	22.43	0.175	30.00	-7.57
	16-QAM	1772.5	-1.70	1 / 74	23.30	21.60	0.145	30.00	-8.40
	64-QAM	1772.5	-1.70	1 / 0	22.28	20.58	0.114	30.00	-9.42
	256-QAM	1745.0	-1.70	1 / 37	19.23	17.53	0.057	30.00	-12.47
	QPSK	1720.0	-1.70	1 / 99	23.98	22.28	0.169	30.00	-7.72
		1745.0	-1.70	1 / 50	24.20	<b>22.50</b>	0.178	30.00	-7.50
		1770.0	-1.70	1 / 50	24.06	22.36	0.172	30.00	-7.64
	16-QAM	1770.0	-1.70	1 / 99	23.21	21.51	0.142	30.00	-8.49
20 MHz	64-QAM	1770.0	-1.70	1 / 50	22.25	20.55	0.114	30.00	-9.45
	256-QAM	1745.0	-1.70	1 / 50	19.04	17.34	0.054	30.00	-12.66

Table 7-19. Antenna 2b EIRP Data (LTE Band 66)


FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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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	-1.70	1 / 3	23.89	22.19	0.166	30.00	-7.81
		1732.5	-1.70	1 / 3	23.99	22.29	0.169	30.00	-7.71
		1754.3	-1.70	1 / 3	24.20	<b>22.50</b>	0.178	30.00	-7.50
	16-QAM	1732.5	-1.70	1 / 3	23.69	21.99	0.158	30.00	-8.01
	64-QAM	1754.3	-1.70	1 / 3	22.29	20.59	0.115	30.00	-9.41
	256-QAM	1710.7	-1.70	1 / 0	19.23	17.53	0.057	30.00	-12.47
3 MHz	QPSK	1711.5	-1.70	1 / 0	24.13	22.43	0.175	30.00	-7.57
		1732.5	-1.70	1 / 14	24.20	<b>22.50</b>	0.178	30.00	-7.50
		1753.5	-1.70	1 / 14	24.18	22.48	0.177	30.00	-7.52
	16-QAM	1732.5	-1.70	1 / 14	23.77	22.07	0.161	30.00	-7.93
	64-QAM	1732.5	-1.70	1 / 7	22.52	20.82	0.121	30.00	-9.18
	256-QAM	1753.5	-1.70	1 / 14	19.86	18.16	0.065	30.00	-11.84
5 MHz	QPSK	1712.5	-1.70	1 / 12	24.18	22.48	0.177	30.00	-7.52
		1732.5	-1.70	1 / 12	24.20	<b>22.50</b>	0.178	30.00	-7.50
		1752.5	-1.70	1 / 24	24.07	22.37	0.173	30.00	-7.63
	16-QAM	1732.5	-1.70	1 / 12	23.82	22.12	0.163	30.00	-7.88
	64-QAM	1752.5	-1.70	1 / 24	22.66	20.96	0.125	30.00	-9.04
	256-QAM	1732.5	-1.70	1 / 12	19.51	17.81	0.060	30.00	-12.19
10 MHz	QPSK	1715.0	-1.70	1 / 49	24.18	22.48	0.177	30.00	-7.52
		1732.5	-1.70	1 / 49	24.20	<b>22.50</b>	0.178	30.00	-7.50
		1750.0	-1.70	1 / 0	24.10	22.40	0.174	30.00	-7.60
	16-QAM	1732.5	-1.70	1 / 0	23.68	21.98	0.158	30.00	-8.02
	64-QAM	1732.5	-1.70	1 / 49	22.46	20.76	0.119	30.00	-9.24
	256-QAM	1750.0	-1.70	1 / 25	19.94	18.24	0.067	30.00	-11.76
15 MHz	QPSK	1717.5	-1.70	1 / 0	24.20	<b>22.50</b>	0.178	30.00	-7.50
		1732.5	-1.70	1 / 0	24.11	22.41	0.174	30.00	-7.59
		1747.5	-1.70	1 / 0	24.04	22.34	0.171	30.00	-7.66
	16-QAM	1732.5	-1.70	1 / 0	23.60	21.90	0.155	30.00	-8.10
	64-QAM	1717.5	-1.70	1 / 37	22.59	20.89	0.123	30.00	-9.11
	256-QAM	1747.5	-1.70	1 / 37	19.63	17.93	0.062	30.00	-12.07
20 MHz	QPSK	1720.0	-1.70	1 / 0	24.12	22.42	0.175	30.00	-7.58
		1732.5	-1.70	1 / 0	23.89	22.19	0.166	30.00	-7.81
		1745.0	-1.70	1 / 0	24.20	<b>22.50</b>	0.178	30.00	-7.50
	16-QAM	1745.0	-1.70	1 / 0	23.75	22.05	0.160	30.00	-7.95
	64-QAM	1732.5	-1.70	1 / 0	23.06	21.36	0.137	30.00	-8.64
	256-QAM	1745.0	-1.70	1 / 0	19.41	17.71	0.059	30.00	-12.29

Table 7-20. Antenna 2b EIRP Data (LTE Band 4)

FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 254 of 315


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# NR Band n66

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	$\pi/2$ BPSK	1712.5	-1.70	1 / 23	23.45	21.75	0.150	30.00	-8.25
		1745.0	-1.70	1 / 12	23.56	21.86	0.154	30.00	-8.14
		1777.5	-1.70	1 / 12	23.60	<b>21.90</b>	0.155	30.00	-8.10
	QPSK	1712.5	-1.70	1 / 12	24.10	22.40	0.174	30.00	-7.60
		1745.0	-1.70	1 / 23	24.19	22.49	0.177	30.00	-7.51
		1777.5	-1.70	1 / 12	24.20	<b>22.50</b>	0.178	30.00	-7.50
	16-QAM	1712.5	-1.70	1 / 12	22.85	21.15	0.130	30.00	-8.85
	64-QAM	1745.0	-1.70	1 / 1	21.47	19.77	0.095	30.00	-10.23
	256-QAM	1712.5	-1.70	1 / 23	19.30	17.60	0.058	30.00	-12.40
10 MHz	$\pi/2$ BPSK	1715.0	-1.70	1 / 50	23.81	22.11	0.162	30.00	-7.89
		1745.0	-1.70	1 / 50	24.04	22.34	0.171	30.00	-7.66
		1775.0	-1.70	1 / 25	24.01	22.31	0.170	30.00	-7.69
	QPSK	1715.0	-1.70	1 / 50	23.92	22.22	0.167	30.00	-7.78
		1745.0	-1.70	1 / 1	24.08	22.38	0.173	30.00	-7.62
		1775.0	-1.70	1 / 50	24.20	<b>22.50</b>	0.178	30.00	-7.50
	16-QAM	1745.0	-1.70	1 / 50	23.05	21.35	0.136	30.00	-8.65
	64-QAM	1715.0	-1.70	1 / 25	21.72	20.02	0.101	30.00	-9.98
	256-QAM	1775.0	-1.70	1 / 25	19.44	17.74	0.059	30.00	-12.26
15 MHz	$\pi/2$ BPSK	1717.5	-1.70	1 / 1	24.03	22.33	0.171	30.00	-7.67
		1745.0	-1.70	1 / 77	23.83	22.13	0.163	30.00	-7.87
		1772.5	-1.70	1 / 77	23.47	21.77	0.150	30.00	-8.23
	QPSK	1717.5	-1.70	1 / 37	24.20	<b>22.50</b>	0.178	30.00	-7.50
		1745.0	-1.70	1 / 77	23.96	22.26	0.168	30.00	-7.74
		1772.5	-1.70	1 / 77	24.01	22.31	0.170	30.00	-7.69
	16-QAM	1717.5	-1.70	1 / 77	23.23	21.53	0.142	30.00	-8.47
	64-QAM	1717.5	-1.70	1 / 37	21.44	19.74	0.094	30.00	-10.26
	256-QAM	1745.0	-1.70	1 / 37	19.42	17.72	0.059	30.00	-12.28
20 MHz	$\pi/2$ BPSK	1720.0	-1.70	1 / 104	23.89	22.19	0.166	30.00	-7.81
		1745.0	-1.70	1 / 50	24.03	22.33	0.171	30.00	-7.67
		1770.0	-1.70	1 / 1	23.96	22.26	0.168	30.00	-7.74
	QPSK	1720.0	-1.70	1 / 50	24.20	<b>22.50</b>	0.178	30.00	-7.50
		1745.0	-1.70	1 / 104	24.19	22.49	0.178	30.00	-7.51
		1770.0	-1.70	1 / 1	23.96	22.26	0.168	30.00	-7.74
	16-QAM	1770.0	-1.70	1 / 1	23.24	21.54	0.143	30.00	-8.46
	64-QAM	1720.0	-1.70	1 / 104	22.10	20.40	0.110	30.00	-9.60
	256-QAM	1745.0	-1.70	1 / 1	19.61	17.91	0.062	30.00	-12.09
30 MHz	$\pi/2$ BPSK	1725.0	-1.70	1 / 1	23.81	22.11	0.163	30.00	-7.89
		1745.0	-1.70	1 / 1	24.00	22.30	0.170	30.00	-7.70
		1765.0	-1.70	1 / 158	23.88	22.18	0.165	30.00	-7.82
	QPSK	1725.0	-1.70	1 / 158	23.97	22.27	0.168	30.00	-7.73
		1745.0	-1.70	1 / 1	24.20	<b>22.50</b>	0.178	30.00	-7.50
		1765.0	-1.70	1 / 158	23.91	22.21	0.166	30.00	-7.79
	16-QAM	1765.0	-1.70	1 / 158	23.15	21.45	0.140	30.00	-8.55
	64-QAM	1725.0	-1.70	1 / 158	21.68	19.98	0.099	30.00	-10.02
	256-QAM	1725.0	-1.70	1 / 158	19.48	17.78	0.060	30.00	-12.22
40 MHz	$\pi/2$ BPSK	1730.0	-1.70	1 / 108	23.75	22.05	0.160	30.00	-7.95
		1745.0	-1.70	1 / 214	23.77	22.07	0.161	30.00	-7.93
		1760.0	-1.70	1 / 108	23.80	22.10	0.162	30.00	-7.90
	QPSK	1730.0	-1.70	1 / 108	24.20	<b>22.50</b>	0.178	30.00	-7.50
		1745.0	-1.70	1 / 1	23.99	22.29	0.169	30.00	-7.71
		1760.0	-1.70	1 / 1	24.07	22.37	0.173	30.00	-7.63
	16-QAM	1760.0	-1.70	1 / 1	22.79	21.09	0.129	30.00	-8.91
	64-QAM	1760.0	-1.70	1 / 214	21.52	19.82	0.096	30.00	-10.18
	256-QAM	1730.0	-1.70	1 / 1	19.57	17.87	0.061	30.00	-12.13

Table 7-21. Antenna 2b EIRP Data (NR Band n66)


FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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## Uplink CA LTE Band 66B/C

Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
			Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset	Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset						
Max	LTE B66	20MHz + 20MHz	QPSK	132072	1720.0	1	99	QPSK	132270	1739.8	1	0	24.50	-1.70	22.80	0.191	40.61	-17.81
				132322	1745.0	1	99		132520	1764.8	1	0	24.38	-1.70	22.68	0.185	40.61	-17.93
				132572	1770.0	1	0		132374	1750.2	1	99	24.29	-1.70	22.59	0.182	40.61	-18.02
			QPSK	132072	1720	100	0	QPSK	132270	1739.8	100	0	22.62	-1.70	20.92	0.124	40.61	-19.69
			16-QAM	132072	1720	100	0	16-QAM	132270	1739.8	100	0	21.56	-1.70	19.86	0.097	40.61	-20.76
			64-QAM	132072	1720	100	0	64-QAM	132270	1739.8	100	0	21.69	-1.70	19.99	0.100	40.61	-20.62
			256-QAM	132072	1720	100	0	256-QAM	132270	1739.8	100	0	19.55	-1.70	17.85	0.061	40.61	-22.76

**Table 7-22. Antenna 2b EIRP Data (ULCA LTE Band 66)**

FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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# WCDMA AWS

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	24.15	-1.70	<b>22.45</b>	<b>0.176</b>	30.00	-7.55
1732.60	WCDMA1700	24.00	-1.70	22.30	0.170	30.00	-7.70
1752.60	WCDMA1700	24.02	-1.70	22.32	0.171	30.00	-7.68

**Table 7-23. Antenna 2b EIRP Data (WCDMA AWS)**

FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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## 7.6.4 Antenna 3a – 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	0.10	1 / 5	25.00	<b>25.10</b>	0.324	30.00	-4.90
		1745.0	0.10	1 / 0	24.82	24.92	0.310	30.00	-5.08
		1779.3	0.10	1 / 3	24.86	24.96	0.313	30.00	-5.04
	16-QAM	1710.7	0.10	1 / 5	24.13	24.23	0.265	30.00	-5.77
	64-QAM	1745.0	0.10	1 / 3	23.13	23.23	0.210	30.00	-6.77
	256-QAM	1779.3	0.10	1 / 0	20.15	20.25	0.106	30.00	-9.75
3 MHz	QPSK	1711.5	0.10	1 / 7	25.00	<b>25.10</b>	0.324	30.00	-4.90
		1745.0	0.10	1 / 0	24.56	24.66	0.292	30.00	-5.34
		1778.5	0.10	1 / 7	24.86	24.96	0.313	30.00	-5.04
	16-QAM	1778.5	0.10	1 / 14	23.86	23.96	0.249	30.00	-6.04
	64-QAM	1778.5	0.10	1 / 14	23.06	23.16	0.207	30.00	-6.84
	256-QAM	1711.5	0.10	1 / 7	20.08	20.18	0.104	30.00	-9.82
5 MHz	QPSK	1712.5	0.10	1 / 0	24.72	24.82	0.303	30.00	-5.18
		1745.0	0.10	1 / 24	24.89	24.99	0.316	30.00	-5.01
		1777.5	0.10	1 / 24	25.00	<b>25.10</b>	0.324	30.00	-4.90
	16-QAM	1777.5	0.10	1 / 24	23.89	23.99	0.251	30.00	-6.01
	64-QAM	1777.5	0.10	1 / 0	22.96	23.06	0.202	30.00	-6.94
	256-QAM	1777.5	0.10	1 / 24	20.04	20.14	0.103	30.00	-9.86
10 MHz	QPSK	1715.0	0.10	1 / 0	24.93	25.03	0.318	30.00	-4.97
		1745.0	0.10	1 / 25	24.54	24.64	0.291	30.00	-5.36
		1775.0	0.10	1 / 0	25.00	<b>25.10</b>	0.324	30.00	-4.90
	16-QAM	1715.0	0.10	1 / 25	24.01	24.11	0.258	30.00	-5.89
	64-QAM	1745.0	0.10	1 / 49	23.01	23.11	0.205	30.00	-6.89
	256-QAM	1745.0	0.10	1 / 0	19.98	20.08	0.102	30.00	-9.92
15 MHz	QPSK	1717.5	0.10	1 / 0	24.98	25.08	0.322	30.00	-4.92
		1745.0	0.10	1 / 37	24.44	24.54	0.284	30.00	-5.46
		1772.5	0.10	1 / 0	25.00	<b>25.10</b>	0.324	30.00	-4.90
	16-QAM	1772.5	0.10	1 / 0	23.86	23.96	0.249	30.00	-6.04
	64-QAM	1717.5	0.10	1 / 74	22.94	23.04	0.201	30.00	-6.96
	256-QAM	1717.5	0.10	1 / 74	19.93	20.03	0.101	30.00	-9.97
	QPSK	1720.0	0.10	1 / 50	24.92	25.02	0.318	30.00	-4.98
		1745.0	0.10	1 / 99	25.00	<b>25.10</b>	0.324	30.00	-4.90
		1770.0	0.10	1 / 0	24.54	24.64	0.291	30.00	-5.36
	16-QAM	1770.0	0.10	1 / 50	24.25	24.35	0.272	30.00	-5.65
20 MHz	64-QAM	1745.0	0.10	1 / 50	23.24	23.34	0.216	30.00	-6.66
	256-QAM	1720.0	0.10	1 / 99	20.22	20.32	0.108	30.00	-9.68

Table 7-24. Antenna 3a EIRP Data (LTE Band 66)

FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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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	0.10	1 / 5	24.70	24.80	0.302	30.00	-5.20
		1732.5	0.10	1 / 3	24.78	24.88	0.308	30.00	-5.12
		1754.3	0.10	1 / 3	25.00	<b>25.10</b>	0.324	30.00	-4.90
	16-QAM	1710.7	0.10	1 / 3	24.03	24.13	0.259	30.00	-5.87
	64-QAM	1754.3	0.10	1 / 3	23.38	23.48	0.223	30.00	-6.52
	256-QAM	1732.5	0.10	1 / 3	20.32	20.42	0.110	30.00	-9.58
3 MHz	QPSK	1711.5	0.10	1 / 0	24.97	25.07	0.321	30.00	-4.93
		1732.5	0.10	1 / 14	25.00	<b>25.10</b>	0.324	30.00	-4.90
		1753.5	0.10	1 / 14	24.98	25.08	0.322	30.00	-4.92
	16-QAM	1753.5	0.10	1 / 7	24.37	24.47	0.280	30.00	-5.53
	64-QAM	1753.5	0.10	1 / 0	23.70	23.80	0.240	30.00	-6.20
	256-QAM	1753.5	0.10	1 / 0	20.64	20.74	0.119	30.00	-9.26
5 MHz	QPSK	1712.5	0.10	1 / 24	24.92	25.02	0.318	30.00	-4.98
		1732.5	0.10	1 / 12	25.00	<b>25.10</b>	0.324	30.00	-4.90
		1752.5	0.10	1 / 24	24.82	24.92	0.310	30.00	-5.08
	16-QAM	1732.5	0.10	1 / 24	24.25	24.35	0.272	30.00	-5.65
	64-QAM	1712.5	0.10	1 / 12	23.37	23.47	0.222	30.00	-6.53
	256-QAM	1752.5	0.10	1 / 12	20.35	20.45	0.111	30.00	-9.55
10 MHz	QPSK	1715.0	0.10	1 / 25	24.93	25.03	0.318	30.00	-4.97
		1732.5	0.10	1 / 49	25.00	<b>25.10</b>	0.324	30.00	-4.90
		1750.0	0.10	1 / 0	24.96	25.06	0.321	30.00	-4.94
	16-QAM	1750.0	0.10	1 / 49	24.28	24.38	0.274	30.00	-5.62
	64-QAM	1750.0	0.10	1 / 49	23.64	23.74	0.237	30.00	-6.26
	256-QAM	1750.0	0.10	1 / 49	20.56	20.66	0.116	30.00	-9.34
15 MHz	QPSK	1717.5	0.10	1 / 0	25.00	<b>25.10</b>	0.324	30.00	-4.90
		1732.5	0.10	1 / 0	24.91	25.01	0.317	30.00	-4.99
		1747.5	0.10	1 / 0	24.84	24.94	0.312	30.00	-5.06
	16-QAM	1747.5	0.10	1 / 0	24.17	24.27	0.267	30.00	-5.73
	64-QAM	1747.5	0.10	1 / 37	23.58	23.68	0.233	30.00	-6.32
	256-QAM	1747.5	0.10	1 / 37	20.53	20.63	0.116	30.00	-9.37
20 MHz	QPSK	1720.0	0.10	1 / 0	25.00	<b>25.10</b>	0.324	30.00	-4.90
		1732.5	0.10	1 / 0	24.70	24.80	0.302	30.00	-5.20
		1745.0	0.10	1 / 0	24.96	25.06	0.321	30.00	-4.94
	16-QAM	1745.0	0.10	1 / 0	24.24	24.34	0.272	30.00	-5.66
	64-QAM	1732.5	0.10	1 / 99	23.71	23.81	0.240	30.00	-6.19
	256-QAM	1732.5	0.10	1 / 99	20.42	20.52	0.113	30.00	-9.48

Table 7-25. Antenna 3a EIRP Data (LTE Band 4)

FCC ID: BCGA2757	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1C2205090023-03.BCG	Test Dates: 05/30/2022 - 09/13/2022	EUT Type: Tablet Device	Page 259 of 315

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