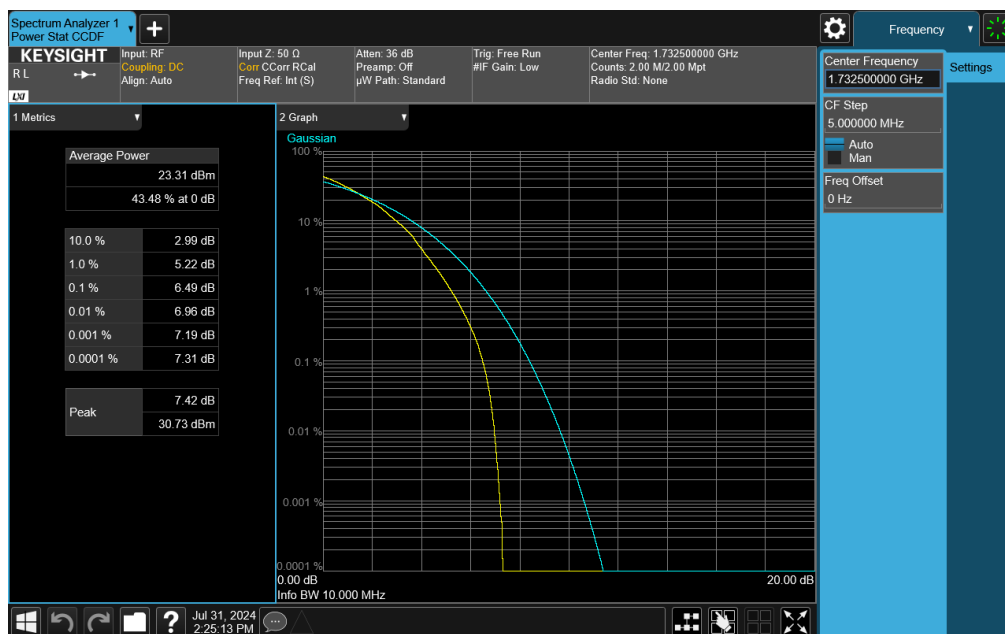
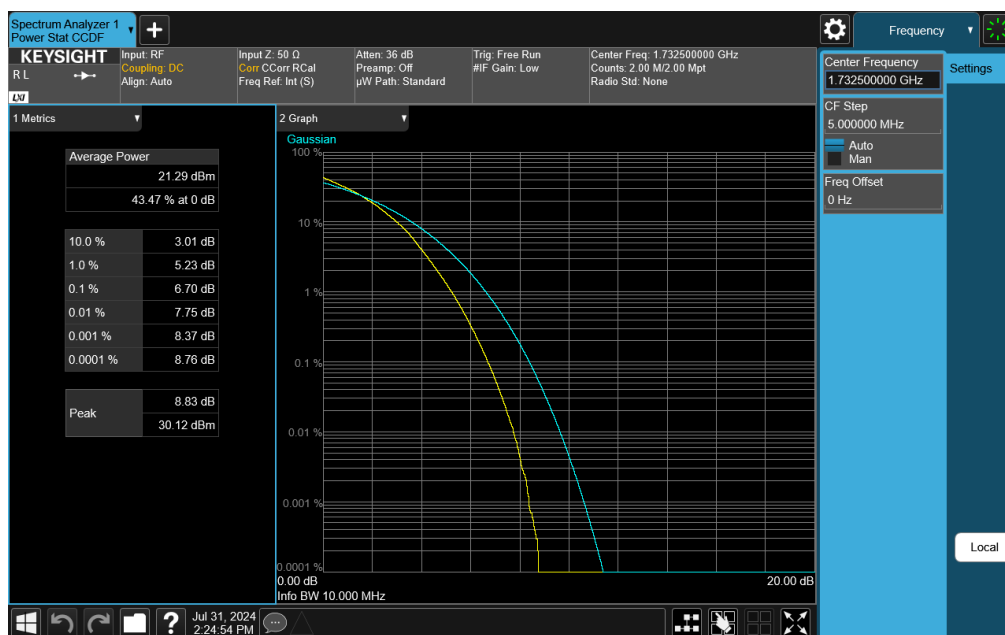




Plot 7-412. PAR Plot (LTE Band 4 - 10MHz 64-QAM - Full RB)

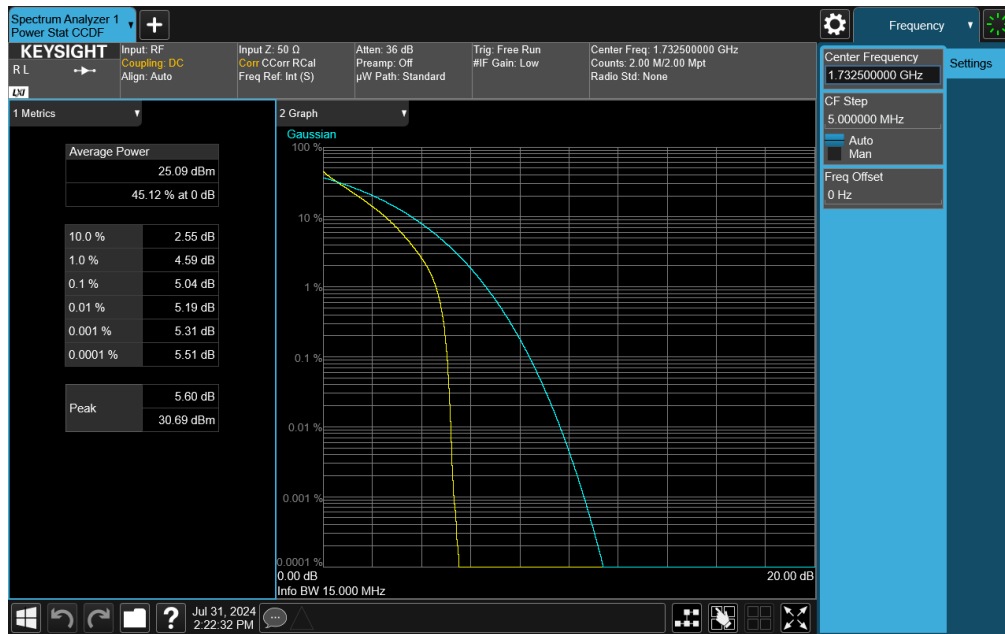


Plot 7-413. PAR Plot (LTE Band 4 - 10MHz 256-QAM - Full RB)

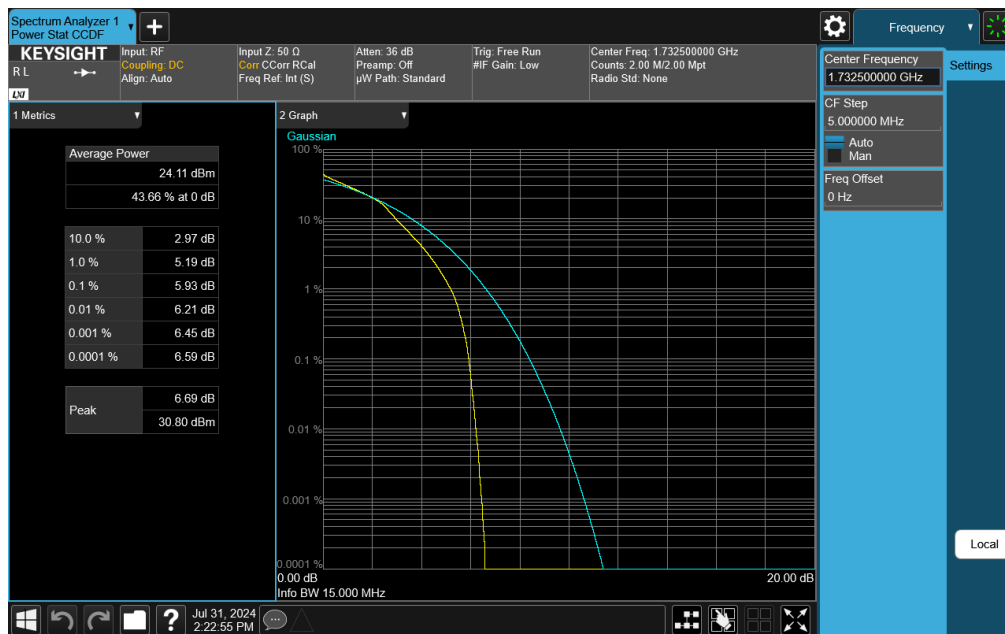
FCC ID: BCGA3269	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-414. PAR Plot (LTE Band 4 - 15MHz QPSK - Full RB)

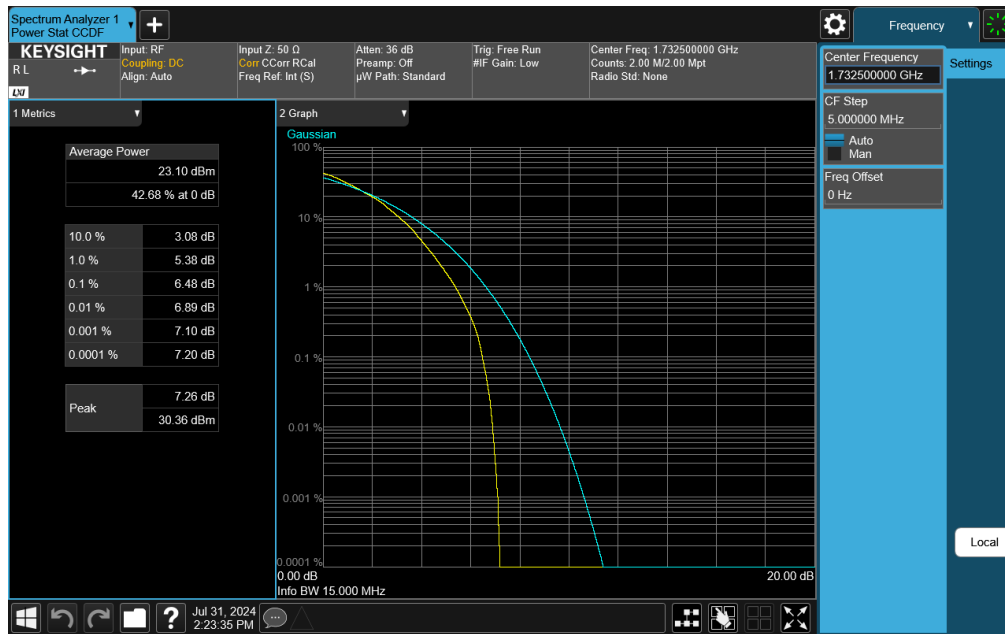


Plot 7-415. PAR Plot (LTE Band 4 - 15MHz 16-QAM - Full RB)

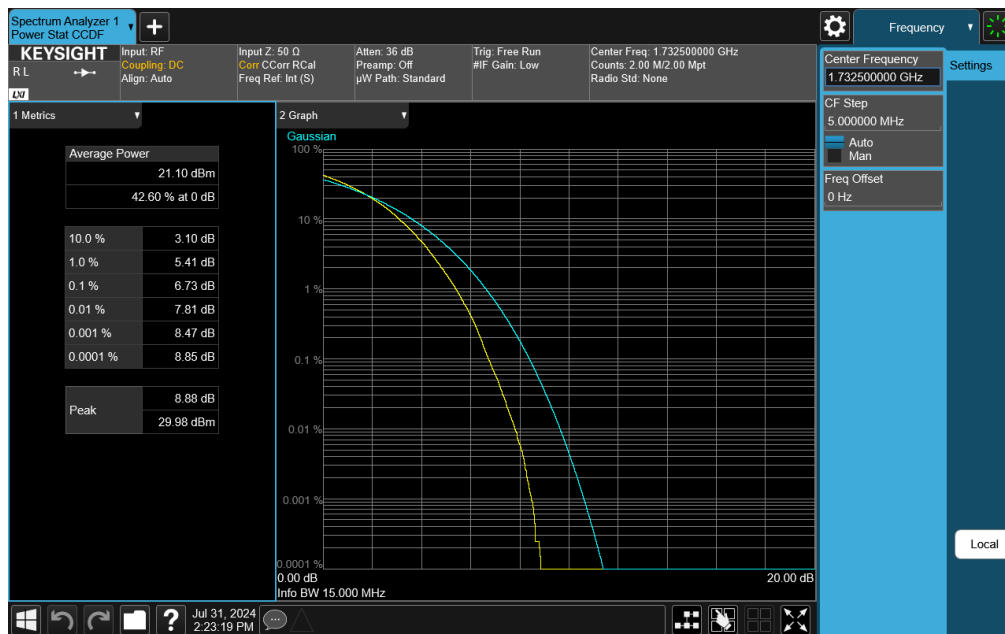
FCC ID: BCGA3269	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-416. PAR Plot (LTE Band 4 - 15MHz 64-QAM - Full RB)

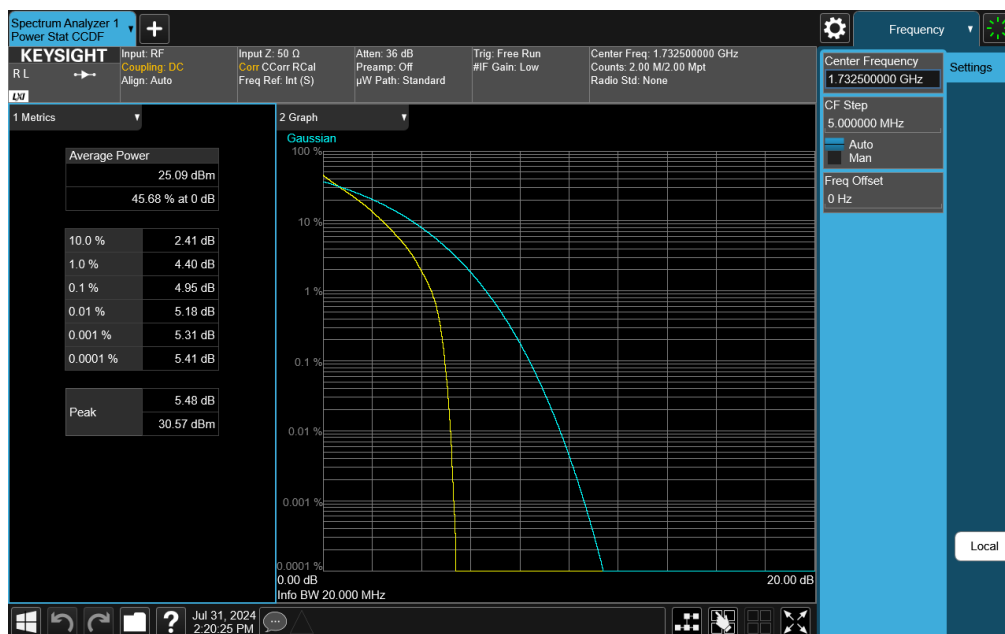


Plot 7-417. PAR Plot (LTE Band 4 - 15MHz 256-QAM - Full RB)

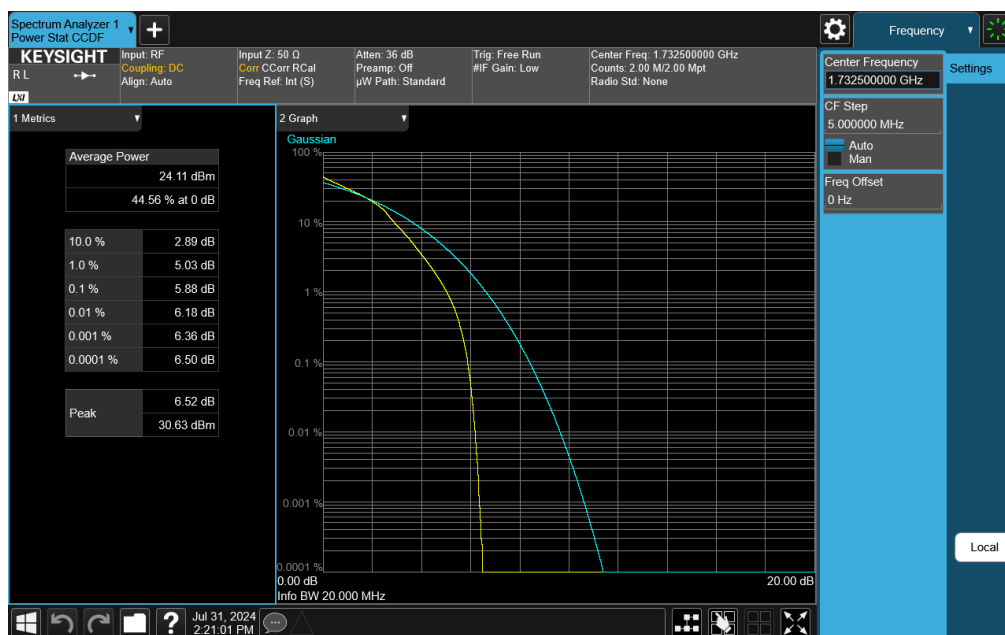
FCC ID: BCGA3269	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-418. PAR Plot (LTE Band 4 - 20MHz QPSK - Full RB)

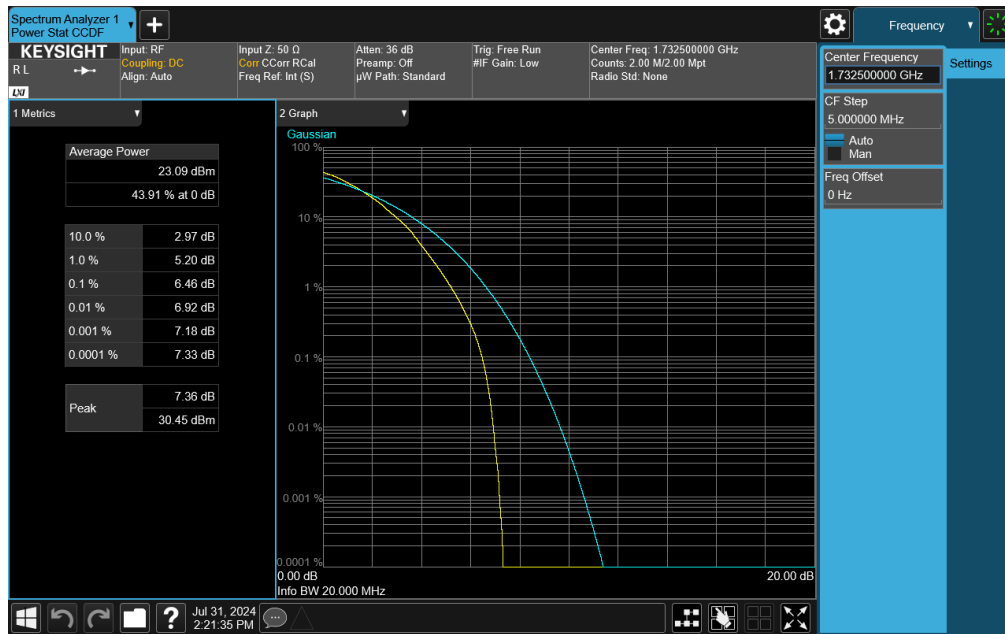


Plot 7-419. PAR Plot (LTE Band 4 - 20MHz 16-QAM - Full RB)

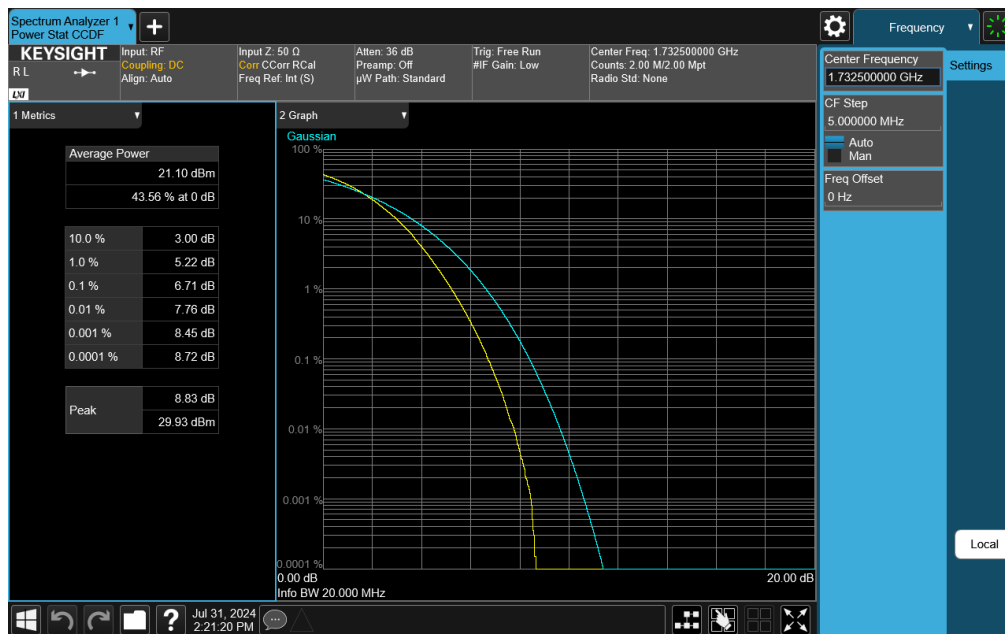
FCC ID: BCGA3269	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-420. PAR Plot (LTE Band 4 - 20MHz 64-QAM - Full RB)

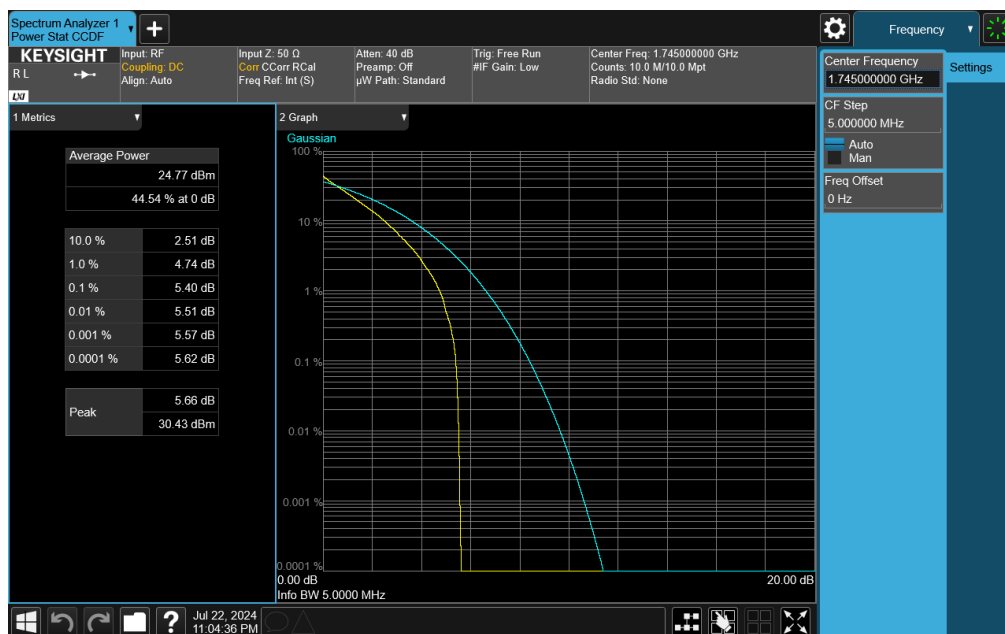
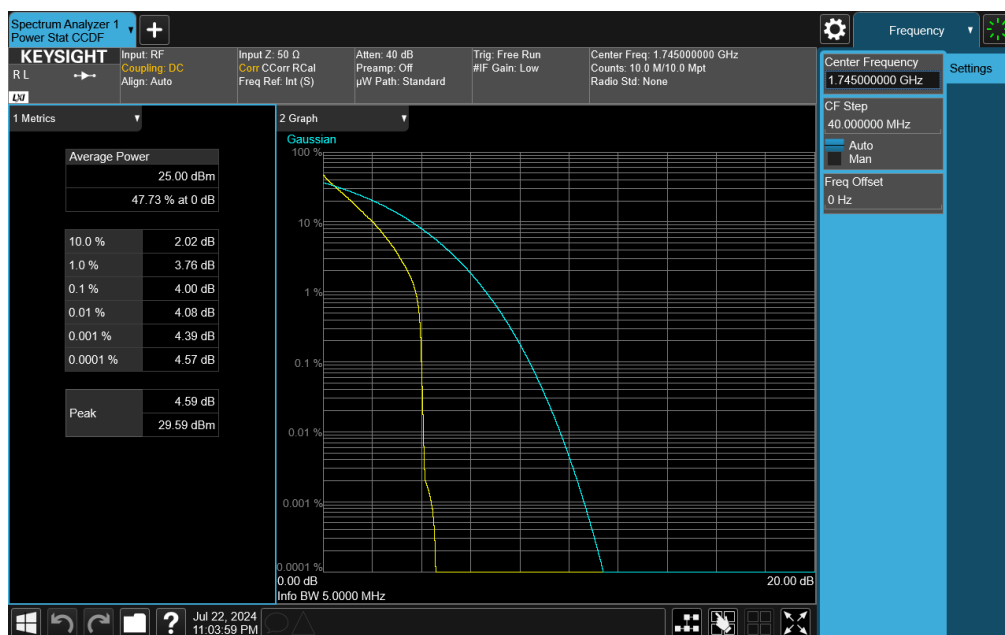


Plot 7-421. PAR Plot (LTE Band 4 - 20MHz 256-QAM - Full RB)

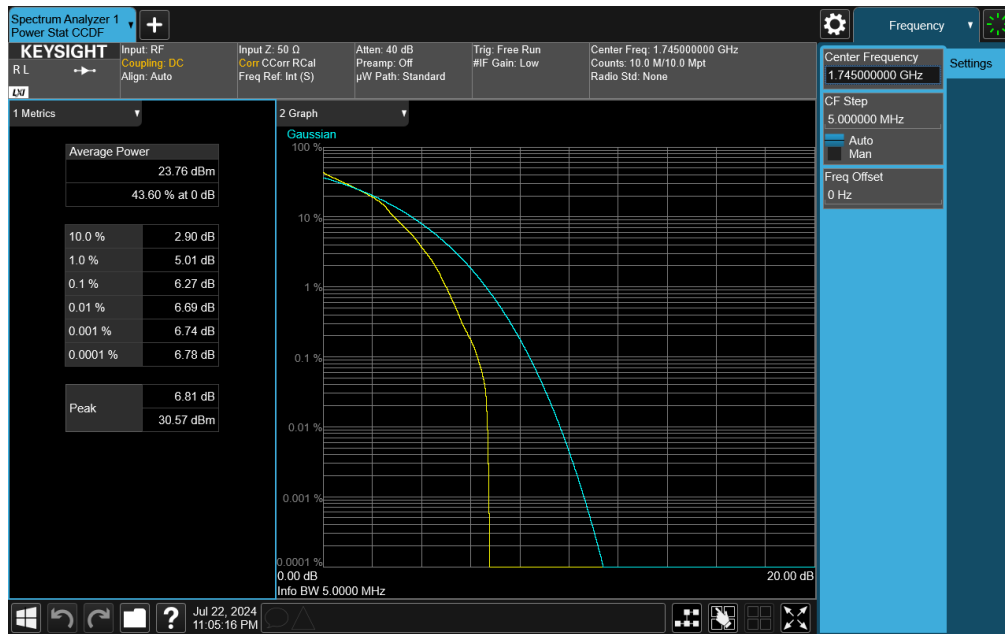
FCC ID: BCGA3269	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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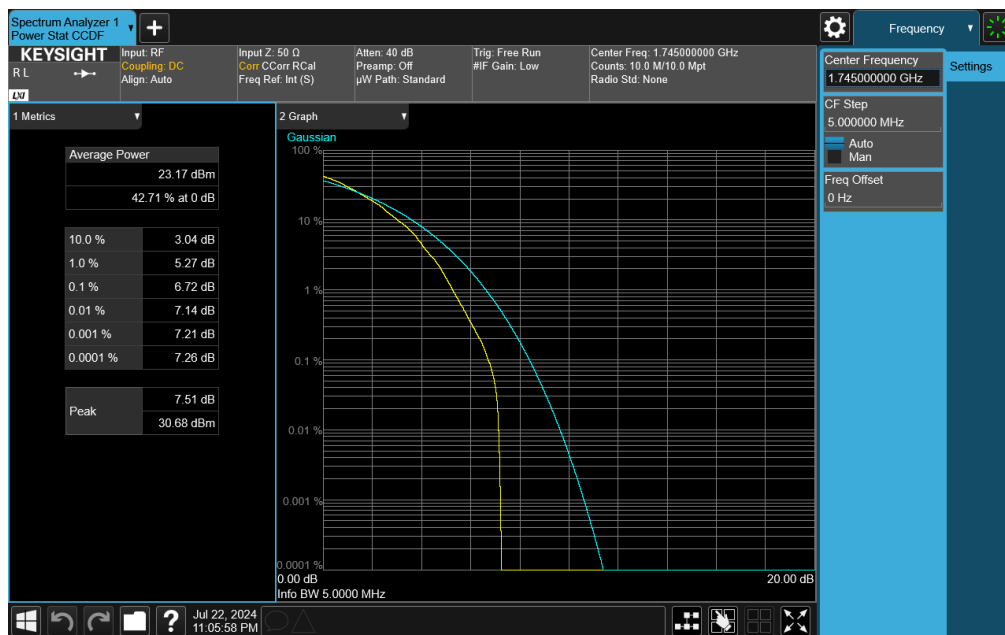
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Plot 7-424. PAR Plot (NR Band n66 - 5.0MHz DFT-s-OFDM 16-QAM - Full RB)

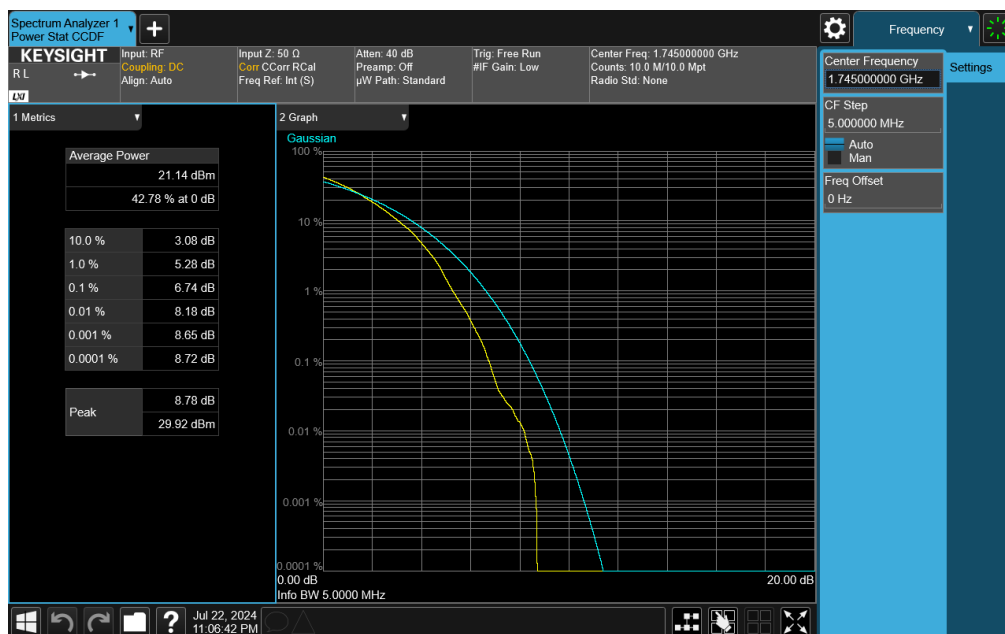


Plot 7-425. PAR Plot (NR Band n66 - 5.0MHz DFT-s-OFDM 64-QAM - Full RB)

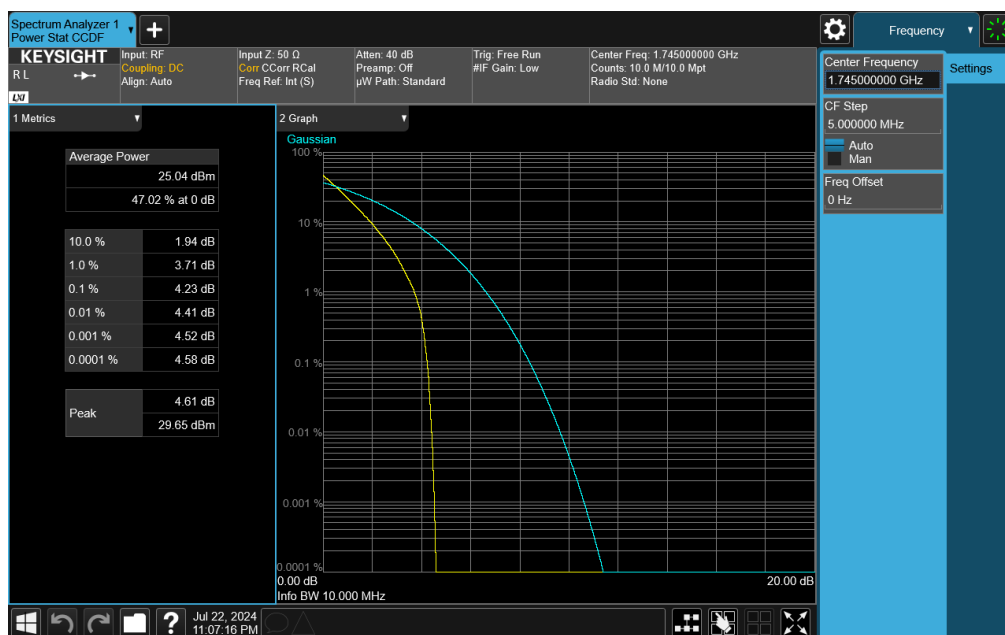
FCC ID: BCGA3269	element PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-09-R1.BCG	Test Dates: 7/1/2024 - 12/27/2024	EUT Type: Tablet Device	Page 241 of 351

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Plot 7-426. PAR Plot (NR Band n66 - 5.0MHz DFT-s-OFDM 256-QAM - Full RB)

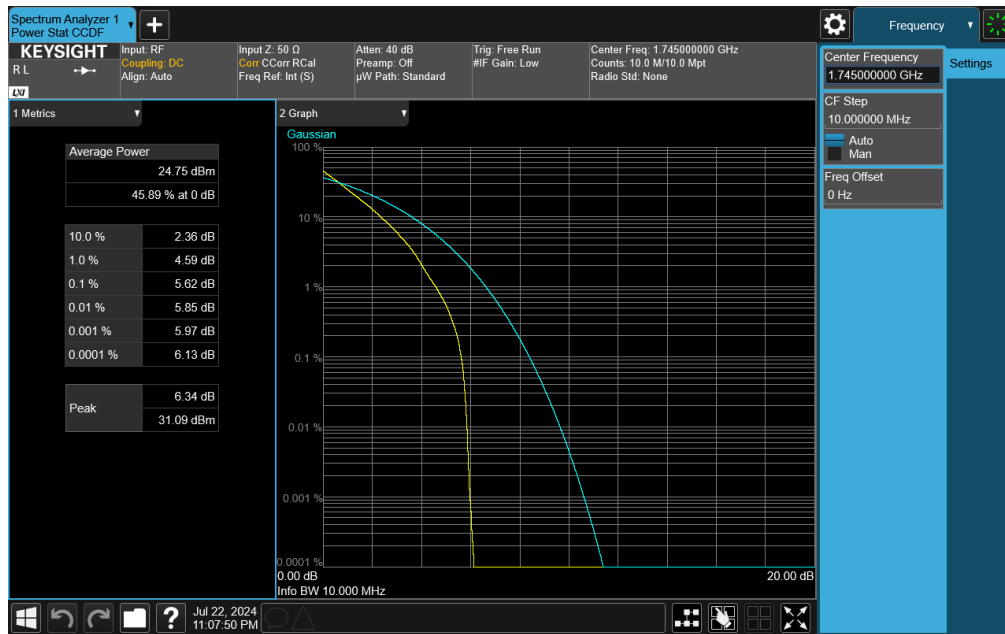


Plot 7-427. PAR Plot (NR Band n66 - 10.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

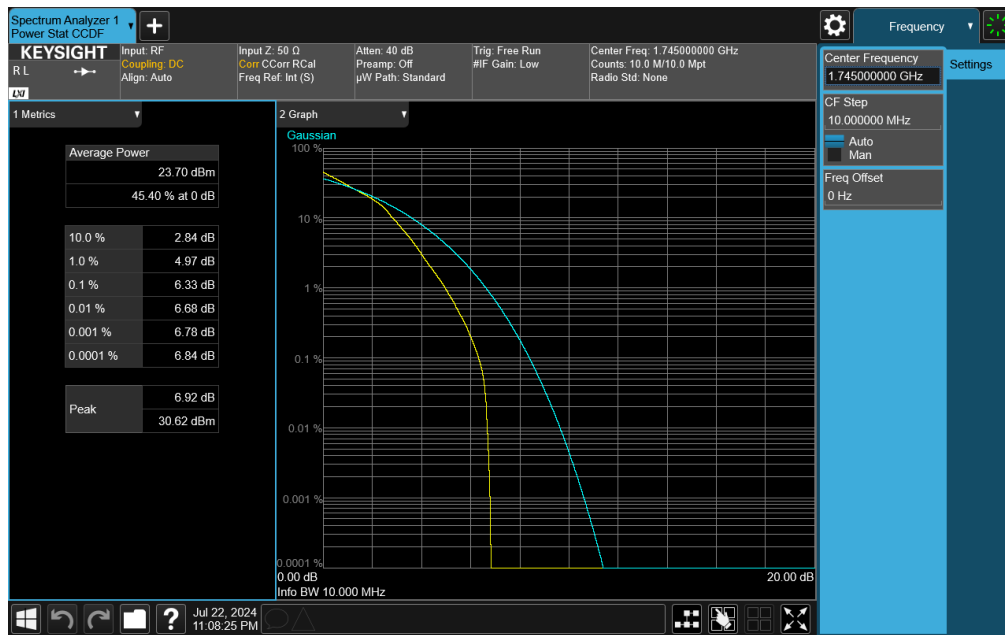
FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-428. PAR Plot (NR Band n66 - 10.0MHz DFT-s-OFDM QPSK - Full RB)

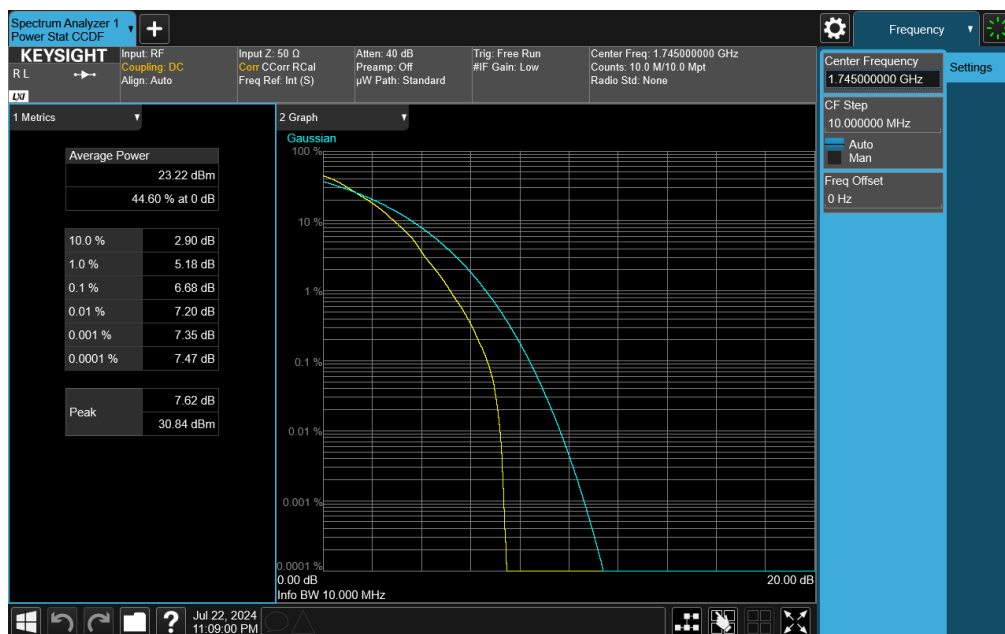


Plot 7-429. PAR Plot (NR Band n66 - 10.0MHz DFT-s-OFDM 16-QAM - Full RB)

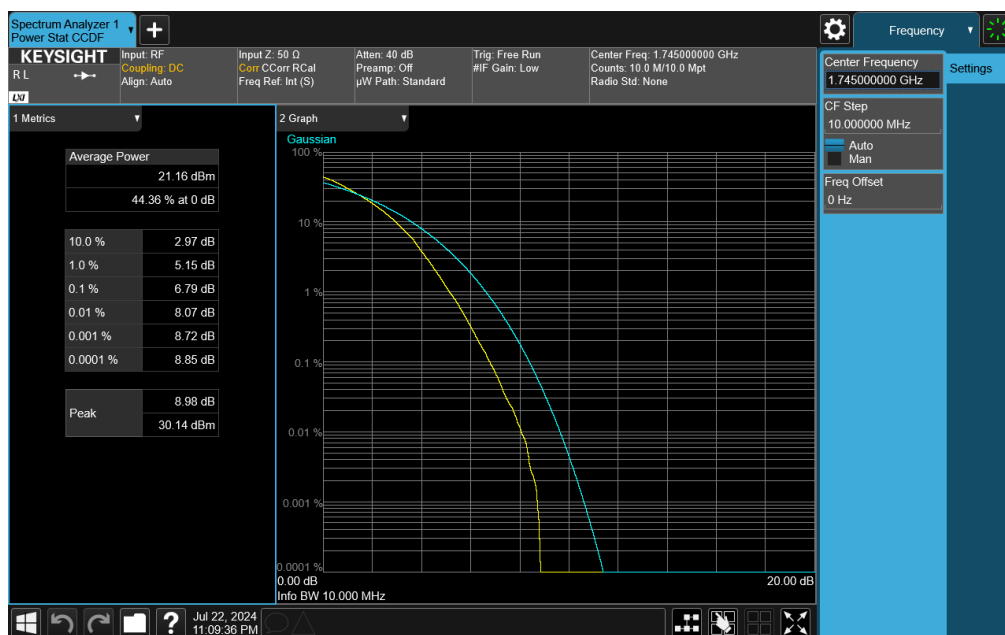
FCC ID: BCGA3269	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-430. PAR Plot (NR Band n66 - 10.0MHz DFT-s-OFDM 64-QAM - Full RB)

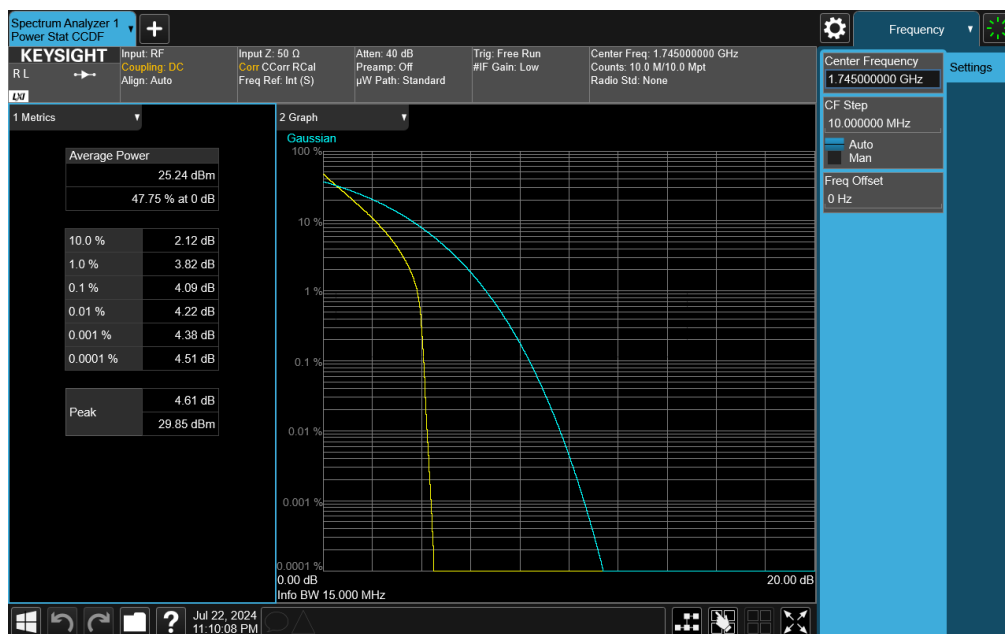


Plot 7-431. PAR Plot (NR Band n66 - 10.0MHz DFT-s-OFDM 256-QAM - Full RB)

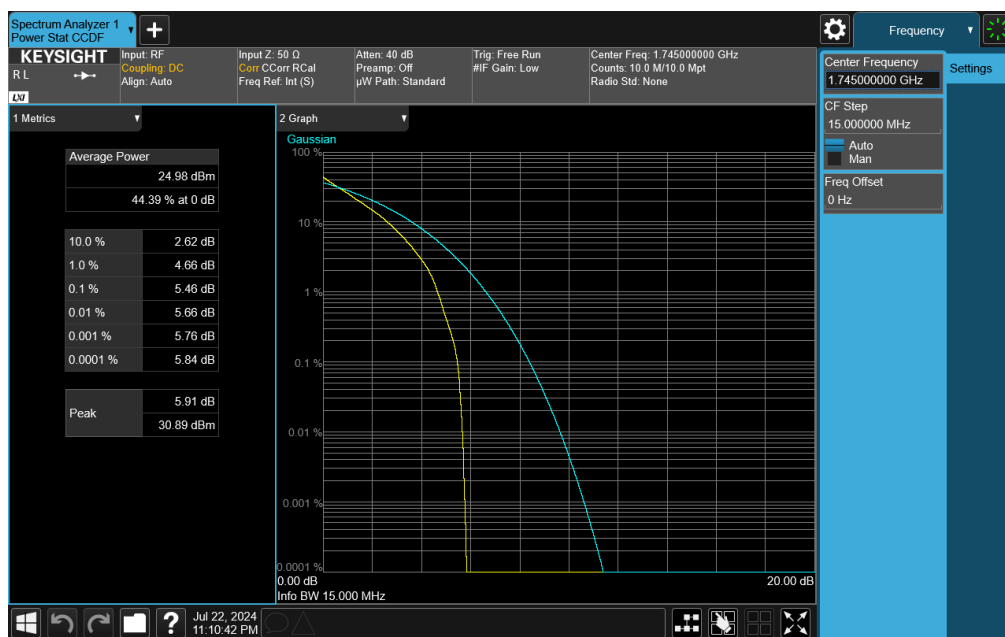
FCC ID: BCGA3269	element PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-432. PAR Plot (NR Band n66 - 15.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

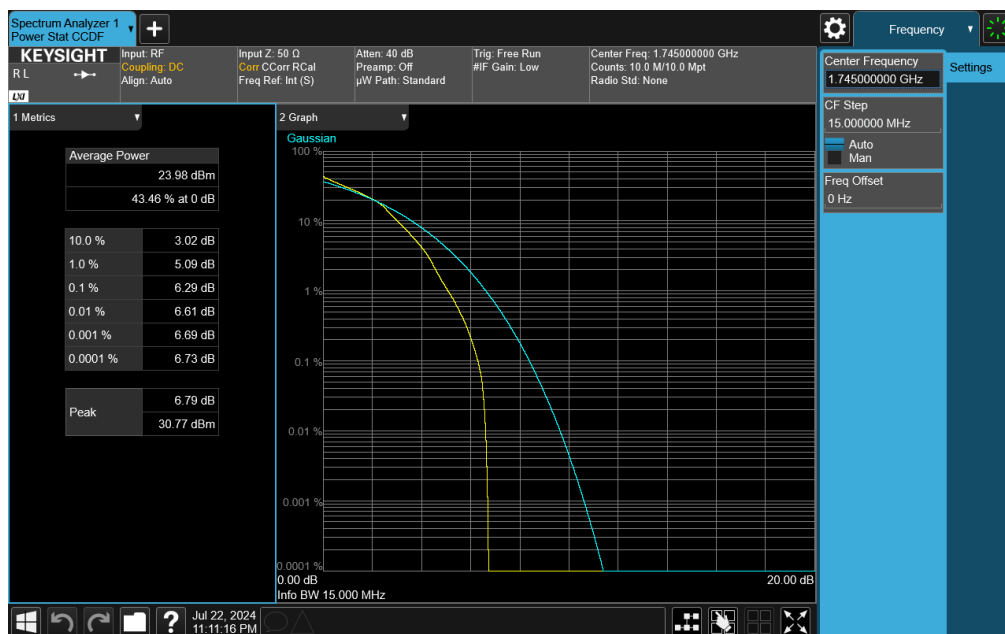


Plot 7-433. PAR Plot (NR Band n66 - 15.0MHz DFT-s-OFDM QPSK - Full RB)

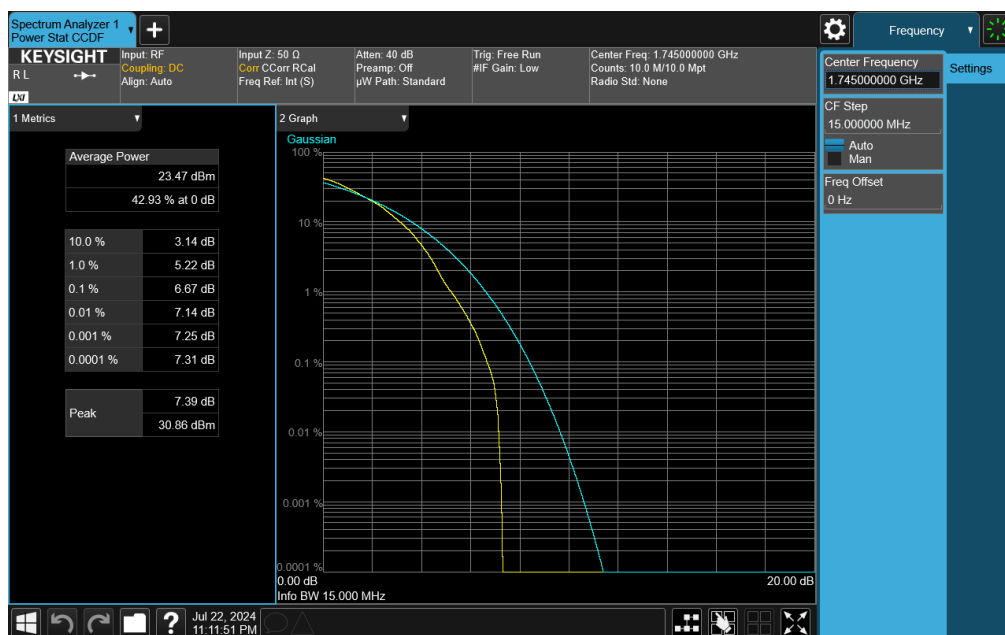
FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-434. PAR Plot (NR Band n66 - 15.0MHz DFT-s-OFDM 16-QAM - Full RB)

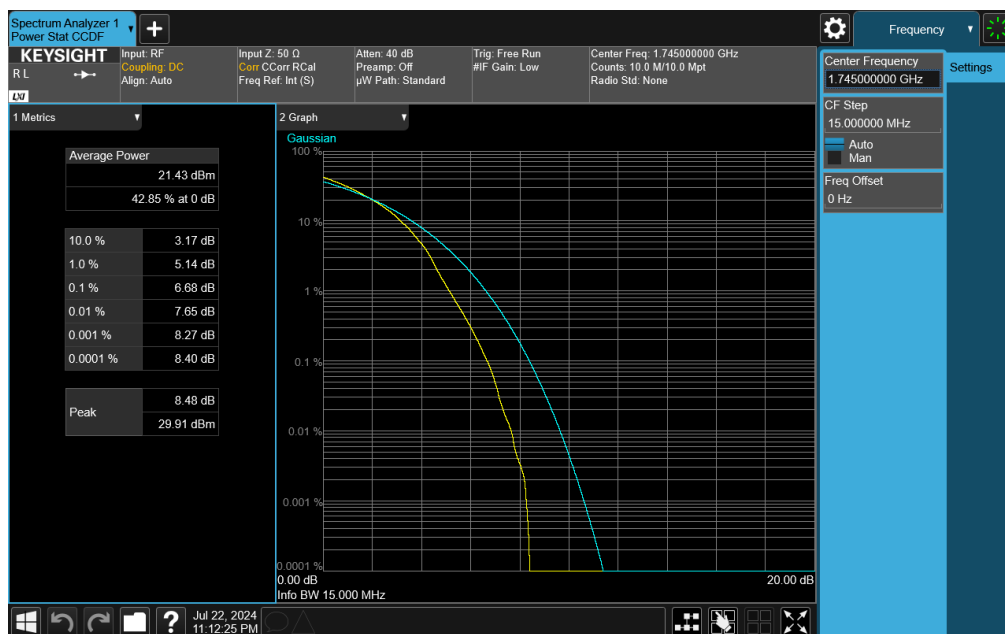


Plot 7-435. PAR Plot (NR Band n66 - 15.0MHz DFT-s-OFDM 64-QAM - Full RB)

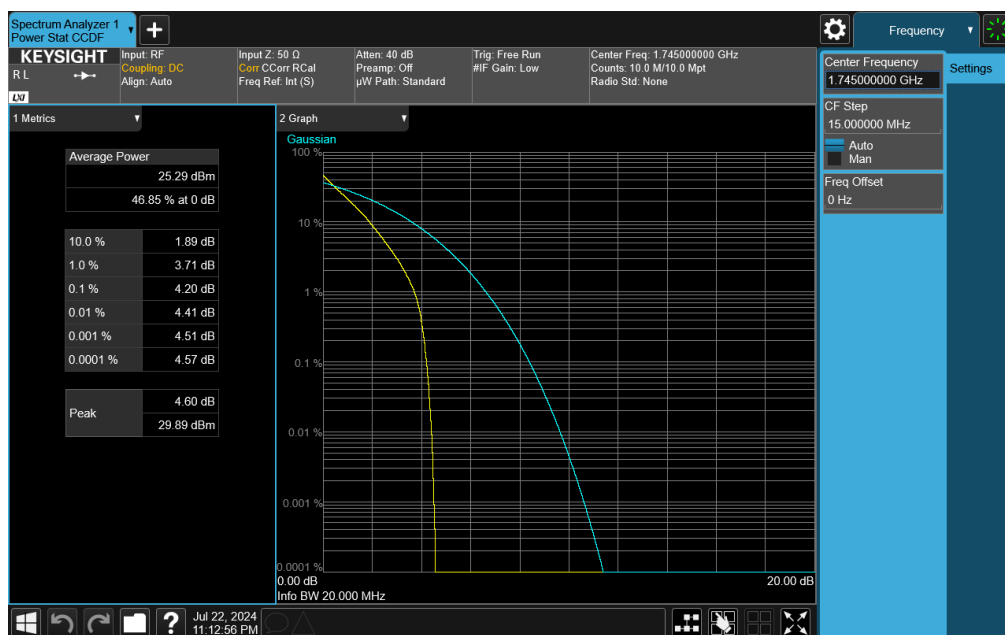
FCC ID: BCGA3269	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-436. PAR Plot (NR Band n66 - 15.0MHz DFT-s-OFDM 256-QAM - Full RB)

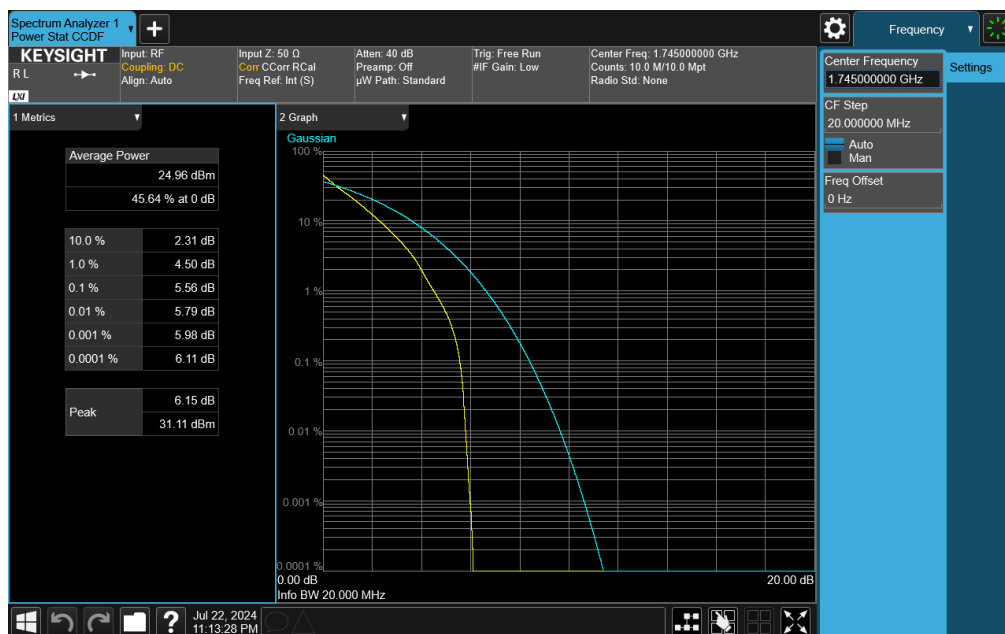


Plot 7-437. PAR Plot (NR Band n66 - 20.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

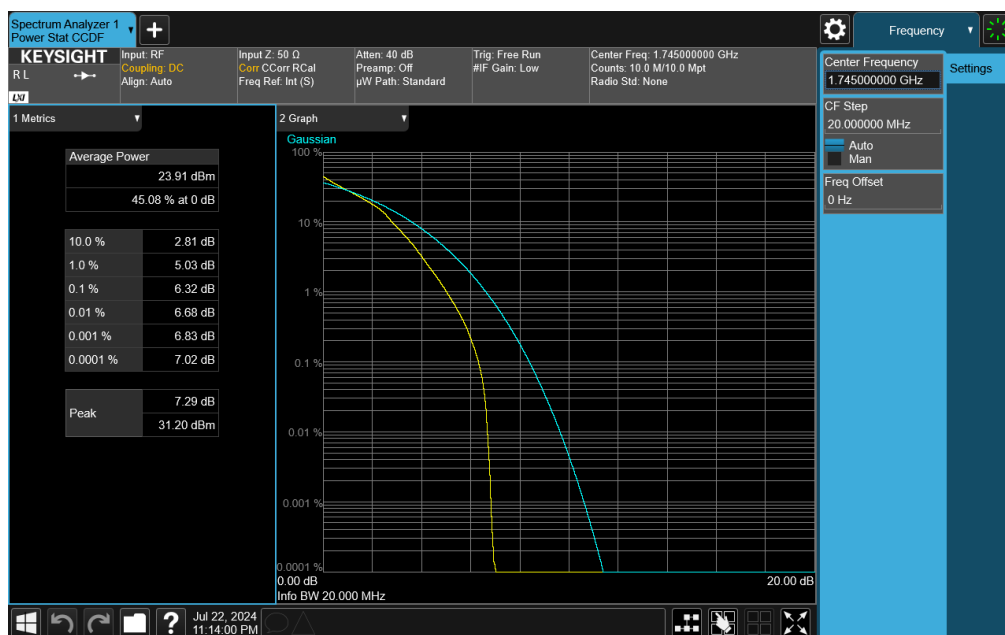
FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-438. PAR Plot (NR Band n66 - 20.0MHz DFT-s-OFDM QPSK - Full RB)

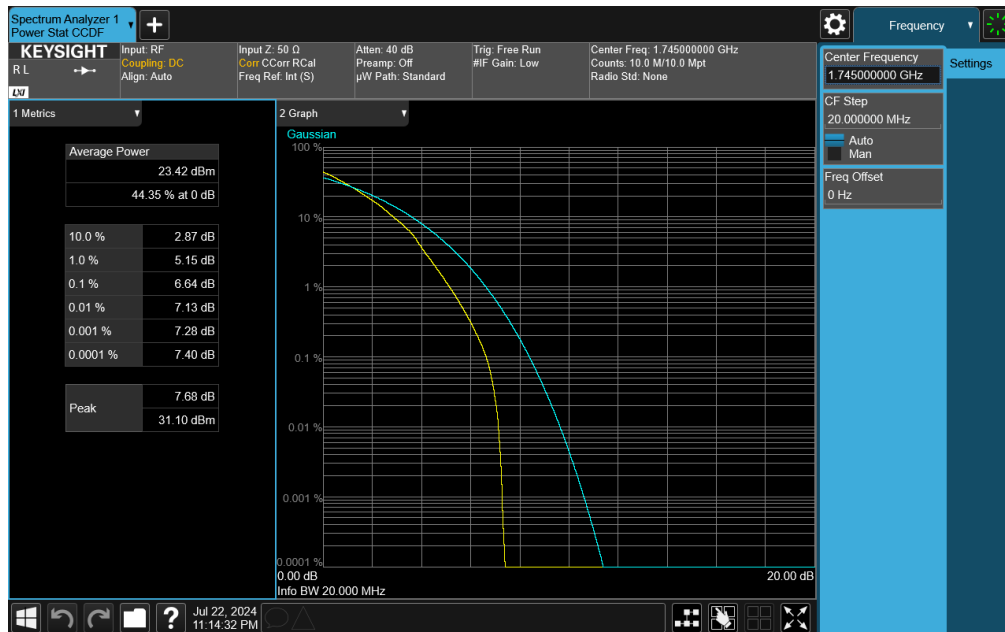


Plot 7-439. PAR Plot (NR Band n66 - 20.0MHz DFT-s-OFDM 16-QAM - Full RB)

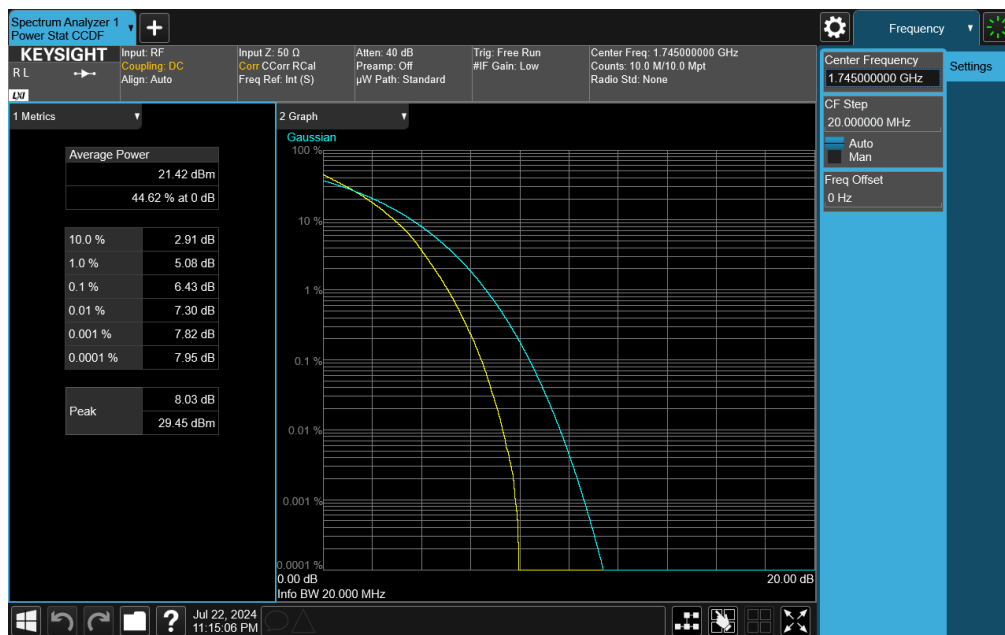
FCC ID: BCGA3269	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-440. PAR Plot (NR Band n66 - 20.0MHz DFT-s-OFDM 64-QAM - Full RB)

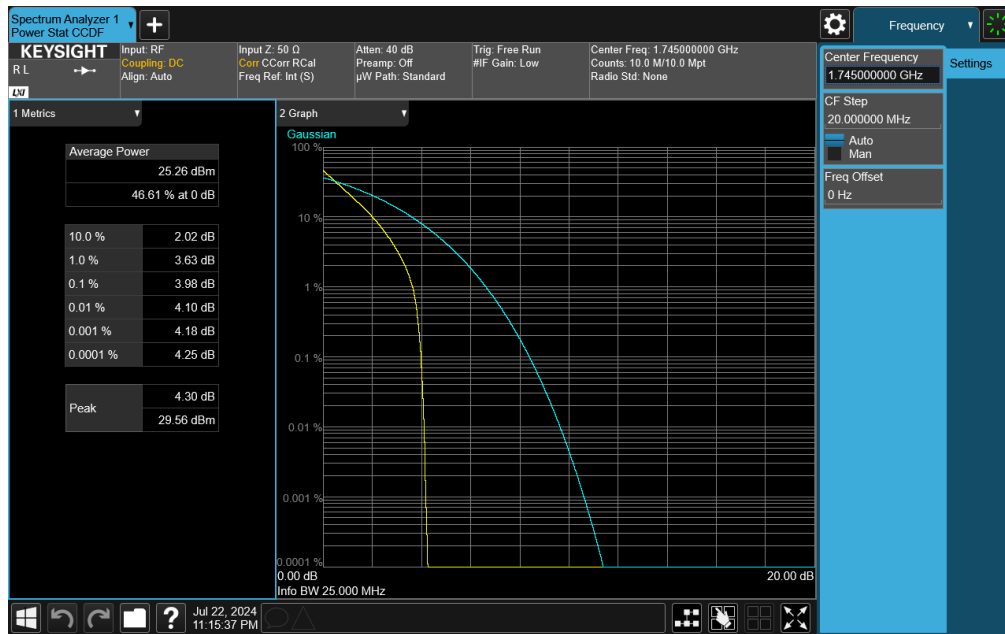


Plot 7-441. PAR Plot (NR Band n66 - 20.0MHz DFT-s-OFDM 256-QAM - Full RB)

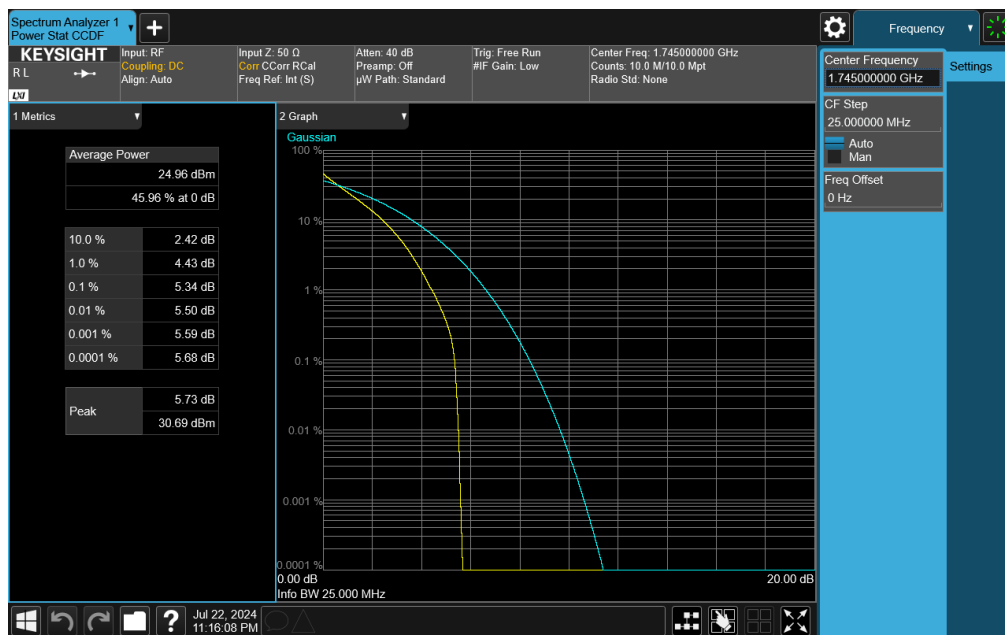
FCC ID: BCGA3269	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-442. PAR Plot (NR Band n66 - 25.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

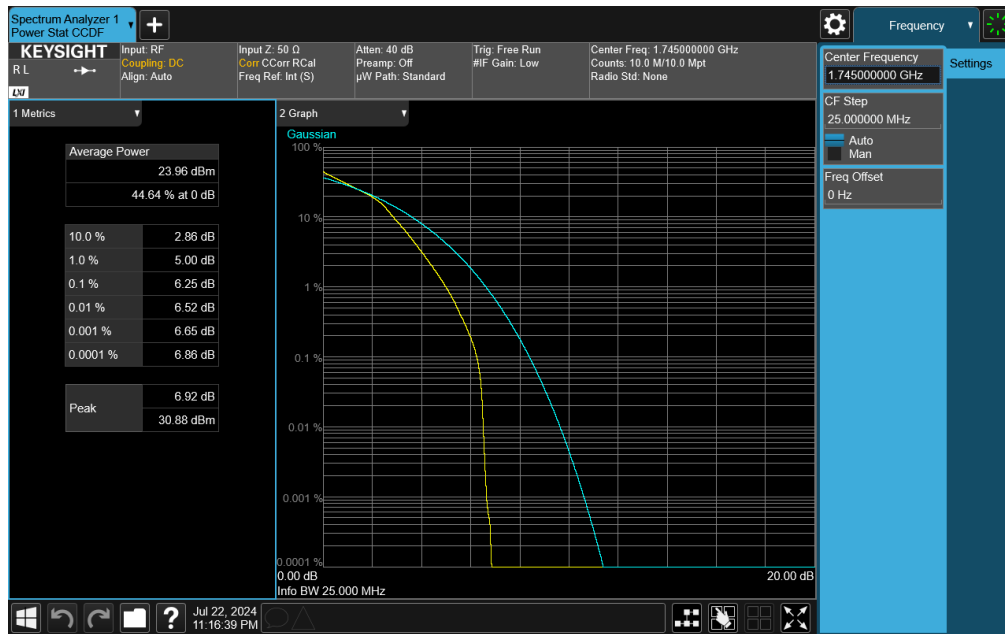


Plot 7-443. PAR Plot (NR Band n66 - 25.0MHz DFT-s-OFDM QPSK - Full RB)

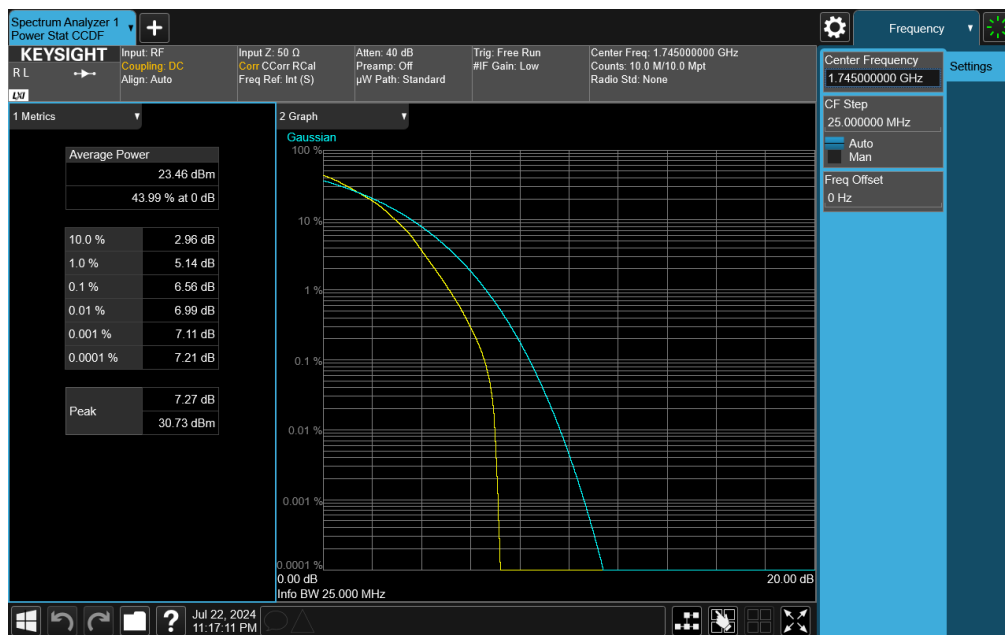
FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-444. PAR Plot (NR Band n66 - 25.0MHz DFT-s-OFDM 16-QAM - Full RB)

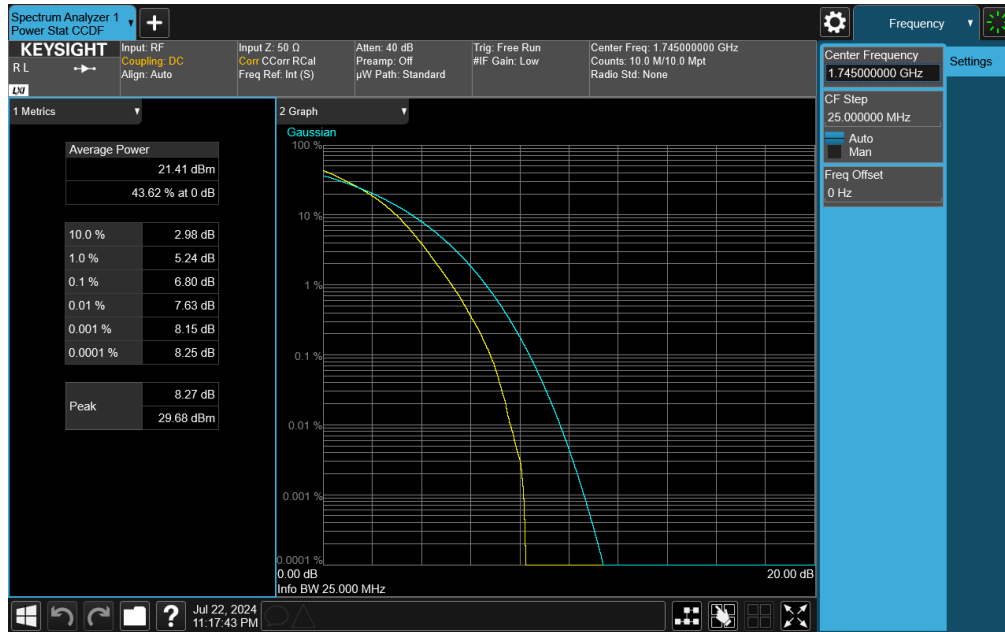


Plot 7-445. PAR Plot (NR Band n66 - 25.0MHz DFT-s-OFDM 64-QAM - Full RB)

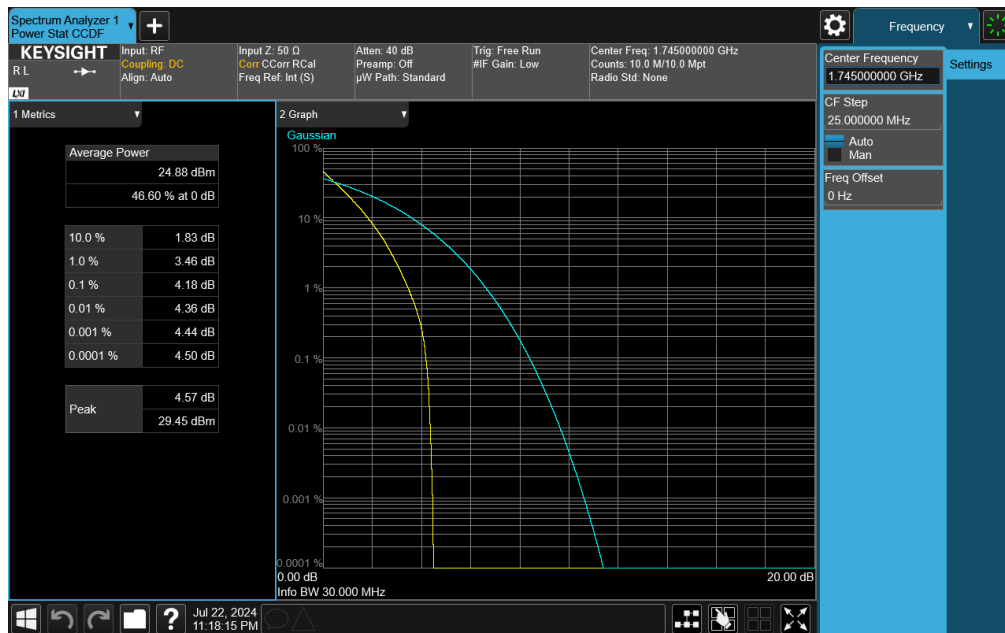
FCC ID: BCGA3269	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-446. PAR Plot (NR Band n66 - 25.0MHz DFT-s-OFDM 256-QAM - Full RB)

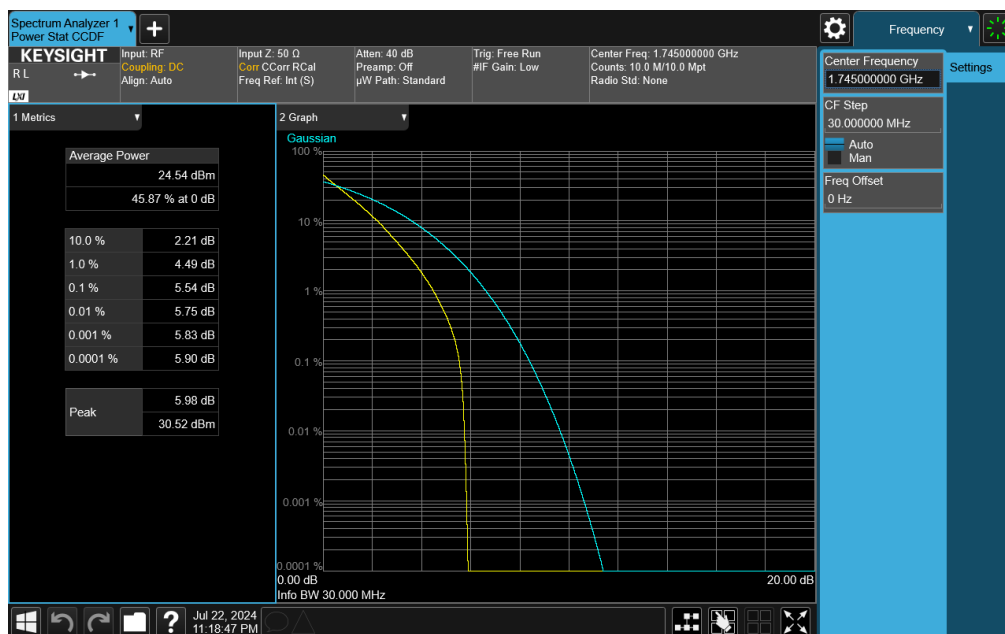


Plot 7-447. PAR Plot (NR Band n66 - 30.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

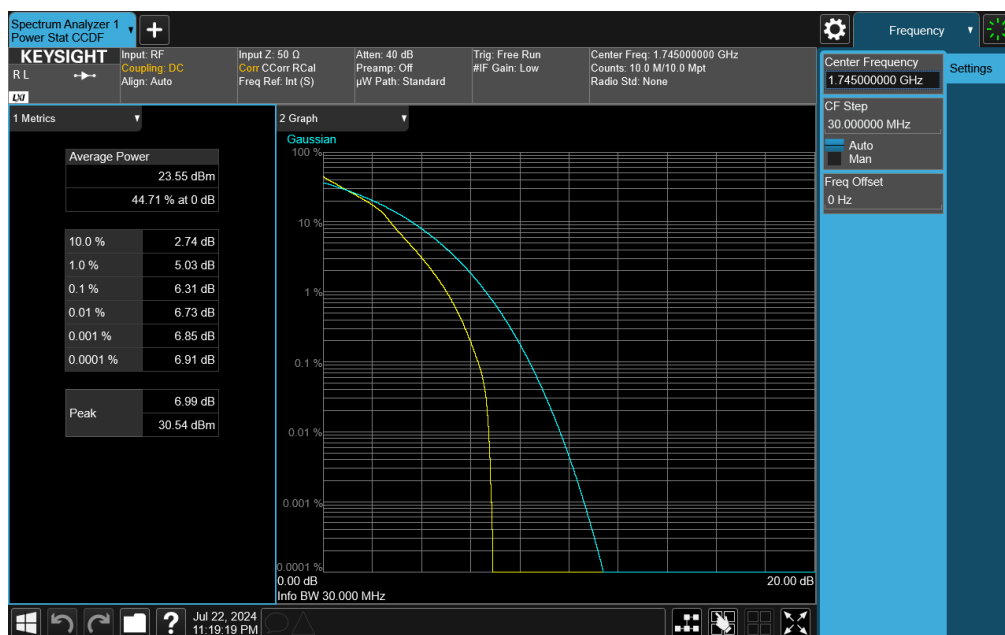
FCC ID: BCGA3269	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-448. PAR Plot (NR Band n66 - 30.0MHz DFT-s-OFDM QPSK - Full RB)

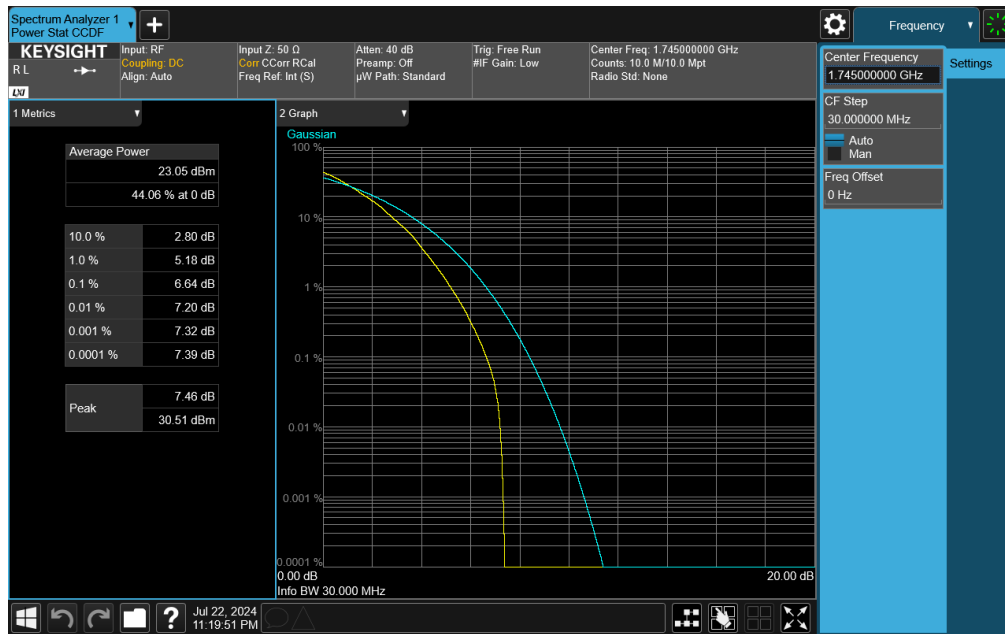


Plot 7-449. PAR Plot (NR Band n66 - 30.0MHz DFT-s-OFDM 16-QAM - Full RB)

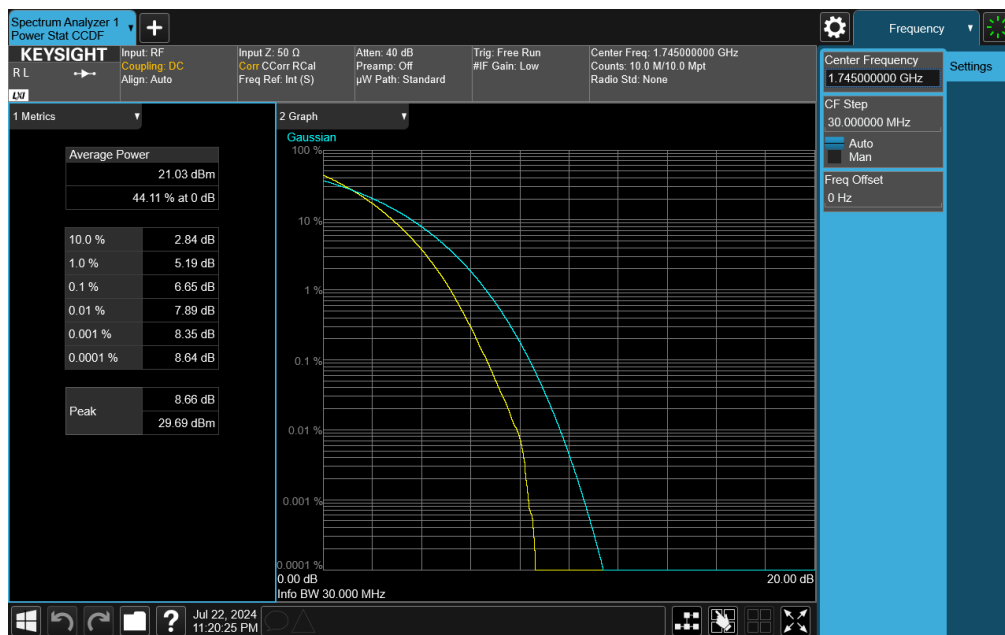
FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-450. PAR Plot (NR Band n66 - 30.0MHz DFT-s-OFDM 64-QAM - Full RB)

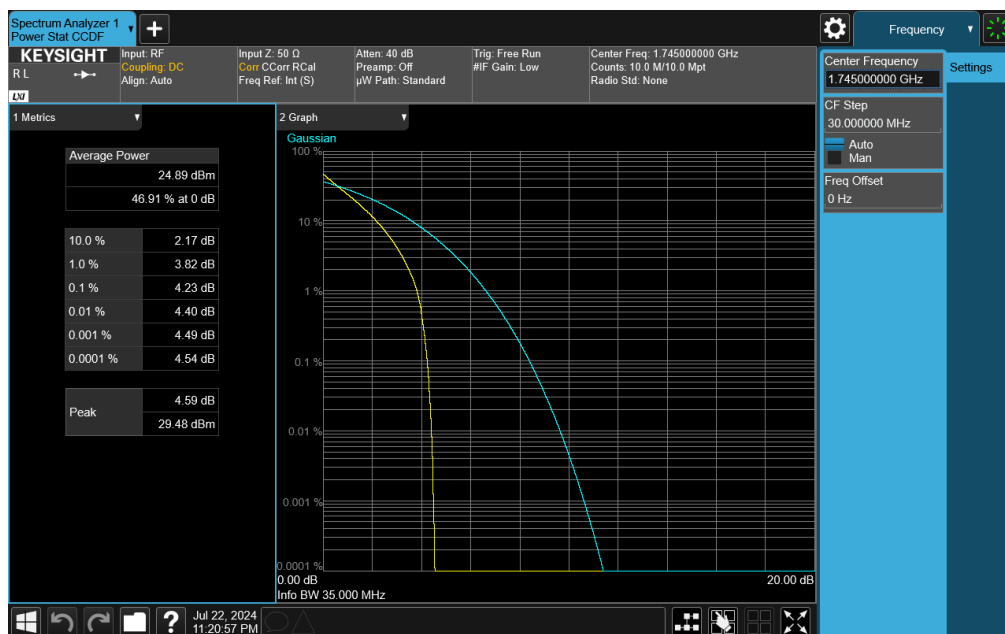


Plot 7-451. PAR Plot (NR Band n66 - 30.0MHz DFT-s-OFDM 256-QAM - Full RB)

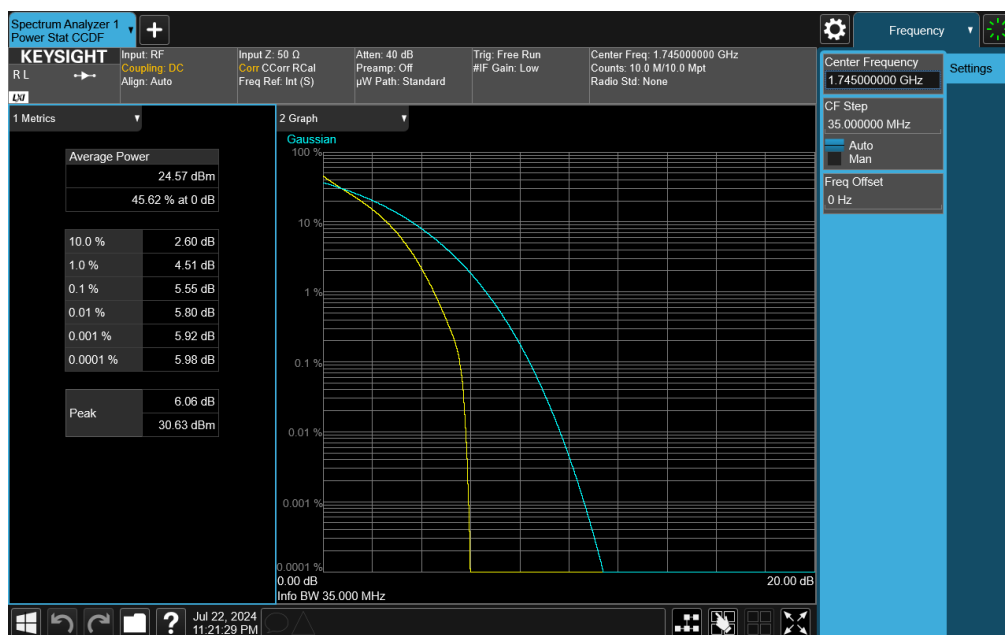
FCC ID: BCGA3269	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-452. PAR Plot (NR Band n66 - 35.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

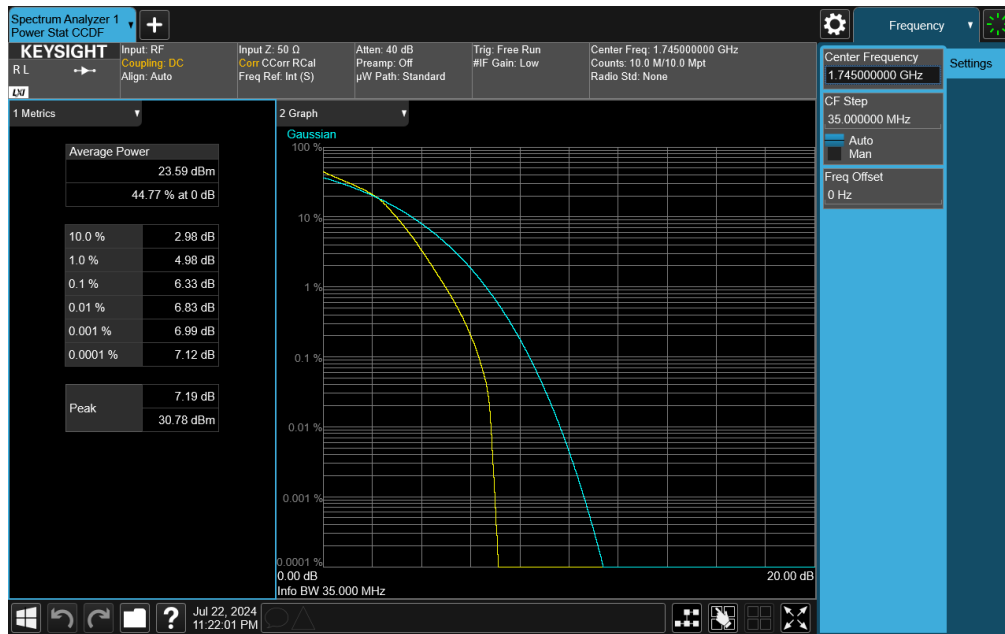


Plot 7-453. PAR Plot (NR Band n66 - 35.0MHz DFT-s-OFDM QPSK - Full RB)

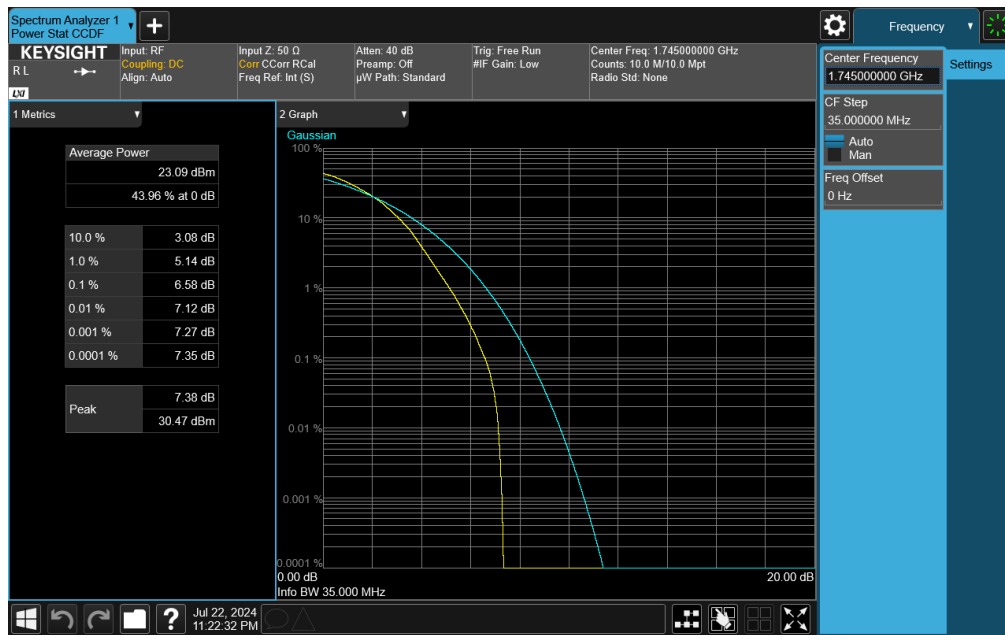
FCC ID: BCGA3269	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-454. PAR Plot (NR Band n66 - 35.0MHz DFT-s-OFDM 16-QAM - Full RB)

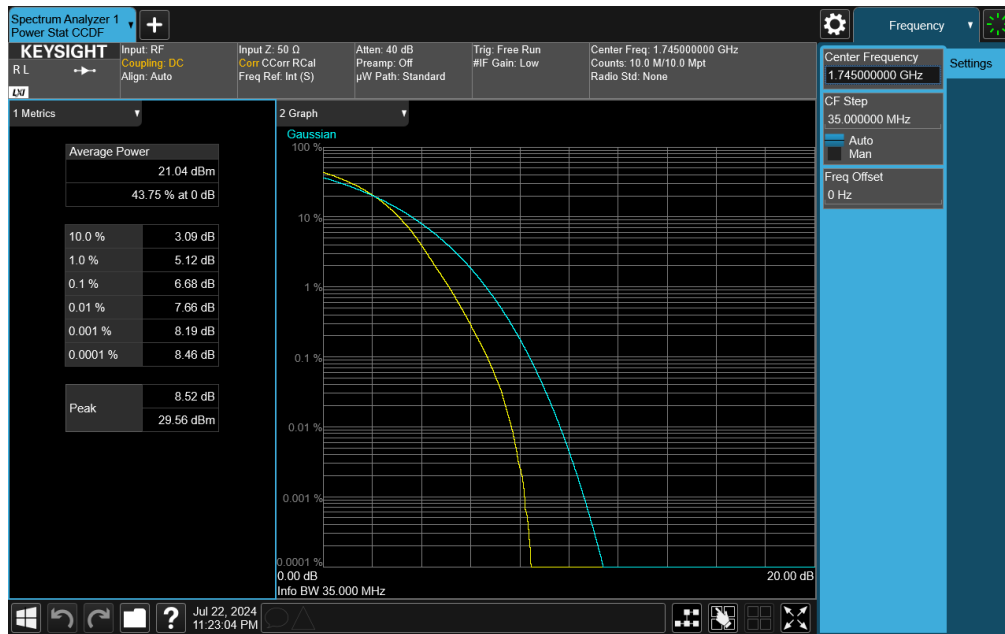


Plot 7-455. PAR Plot (NR Band n66 - 35.0MHz DFT-s-OFDM 64-QAM - Full RB)

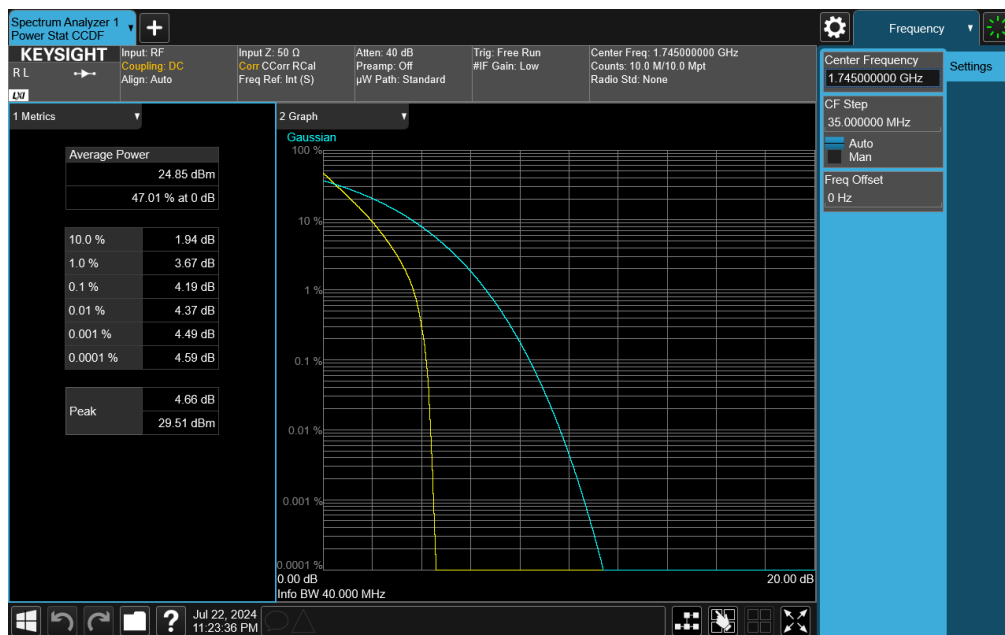
FCC ID: BCGA3269	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-456. PAR Plot (NR Band n66 - 35.0MHz DFT-s-OFDM 256-QAM - Full RB)

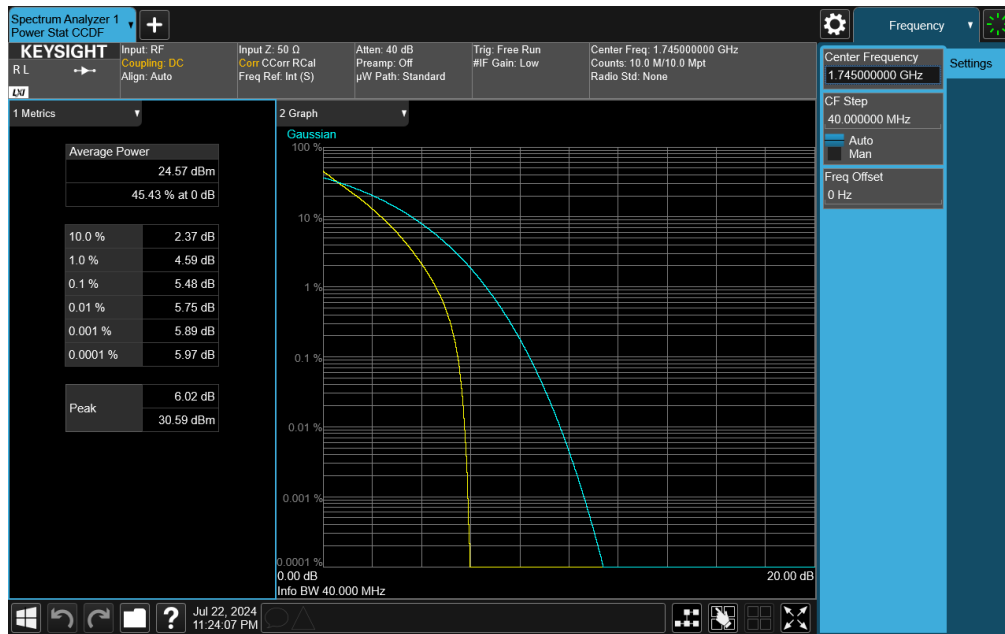


Plot 7-457. PAR Plot (NR Band n66 - 40.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

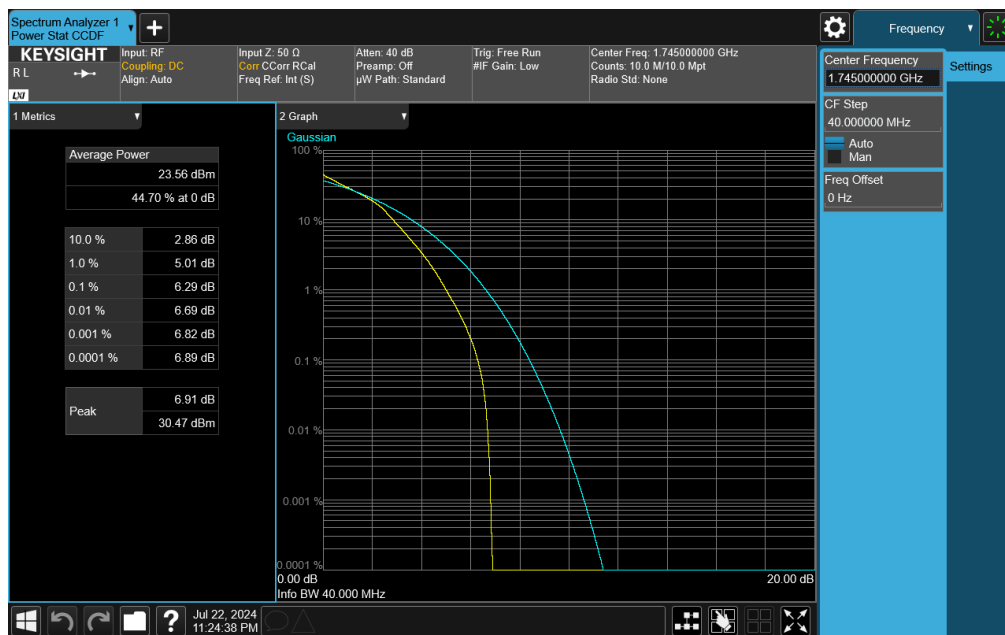
FCC ID: BCGA3269	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-458. PAR Plot (NR Band n66 - 40.0MHz DFT-s-OFDM QPSK - Full RB)

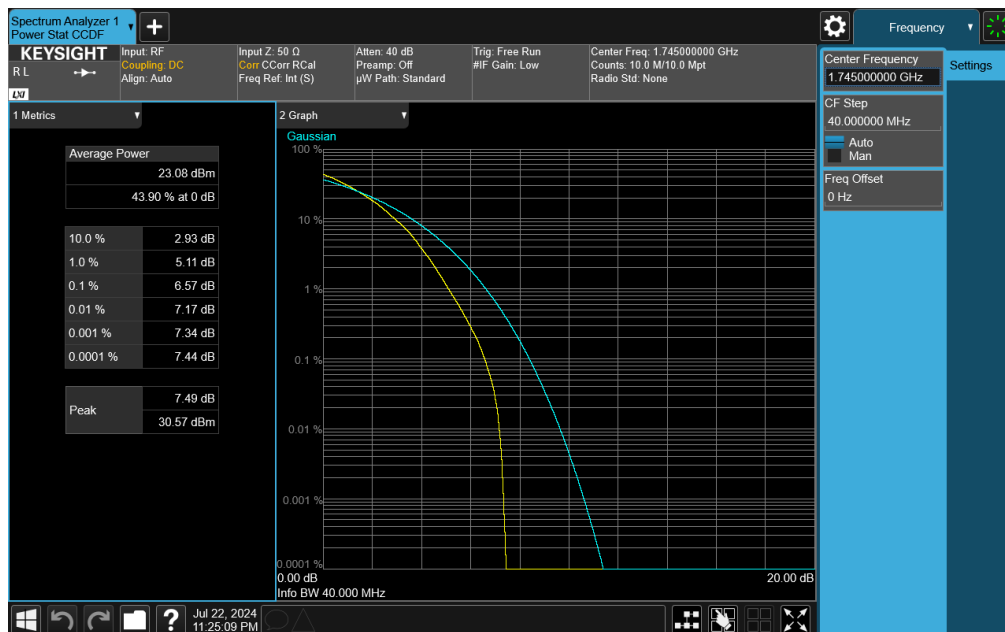


Plot 7-459. PAR Plot (NR Band n66 - 40.0MHz DFT-s-OFDM 16-QAM - Full RB)

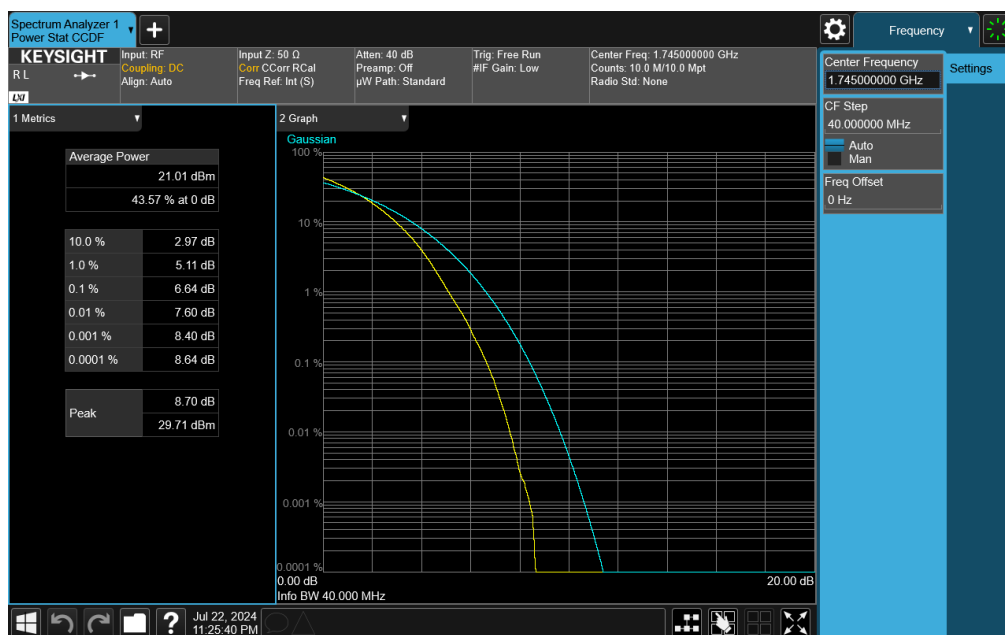
FCC ID: BCGA3269	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-460. PAR Plot (NR Band n66 - 40.0MHz DFT-s-OFDM 64-QAM - Full RB)

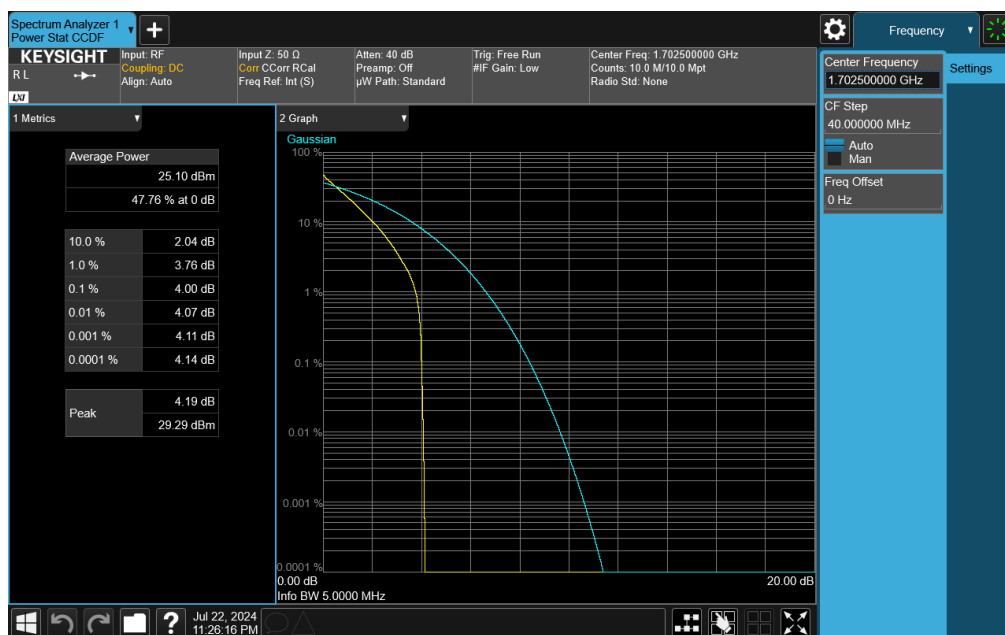


Plot 7-461. PAR Plot (NR Band n66 - 40.0MHz DFT-s-OFDM 256-QAM - Full RB)

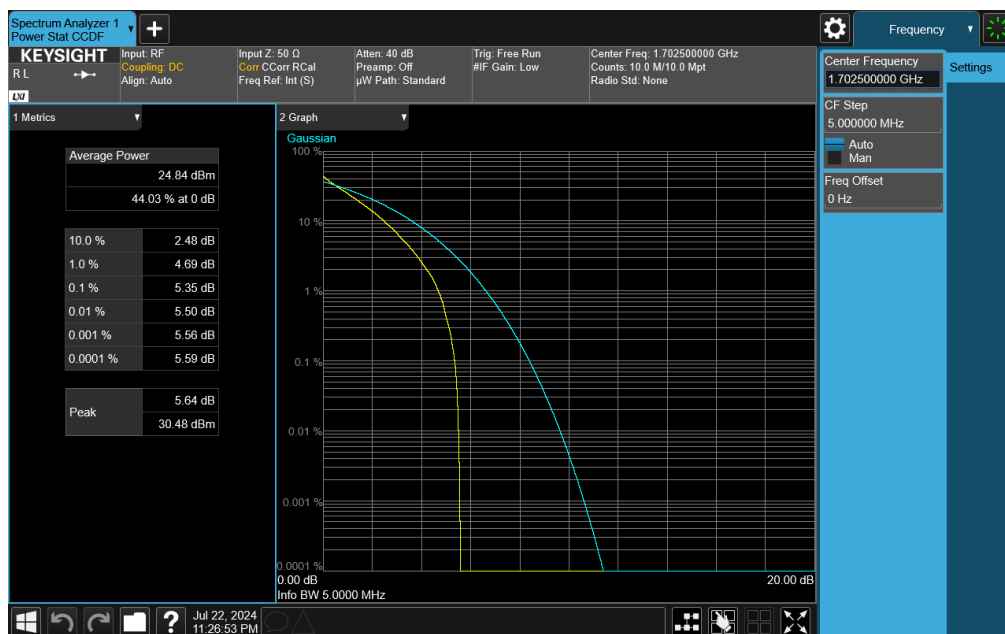
FCC ID: BCGA3269	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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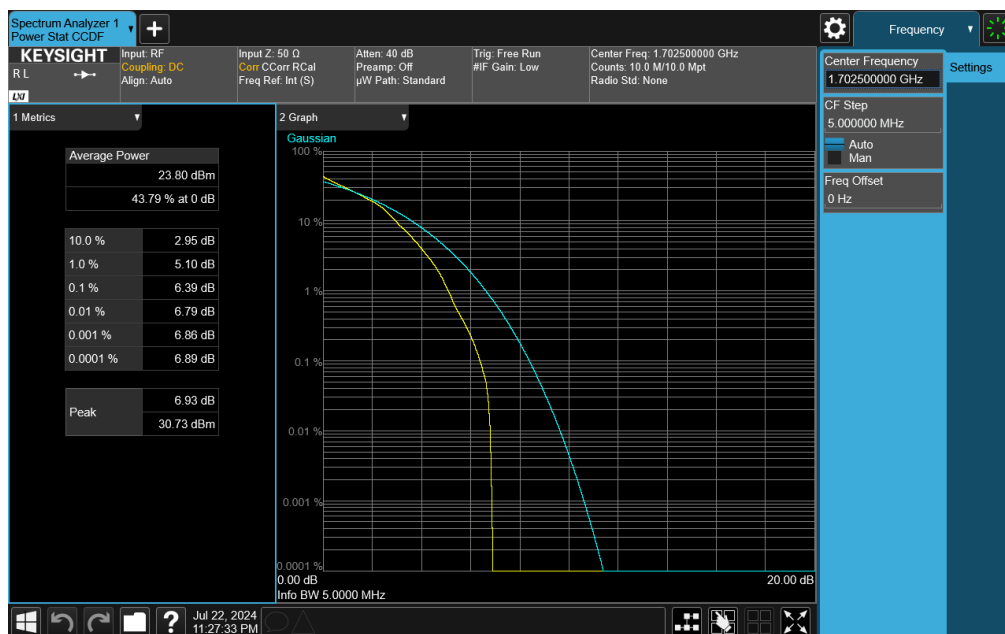


Plot 7-462. PAR Plot (NR Band n70 - 5.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

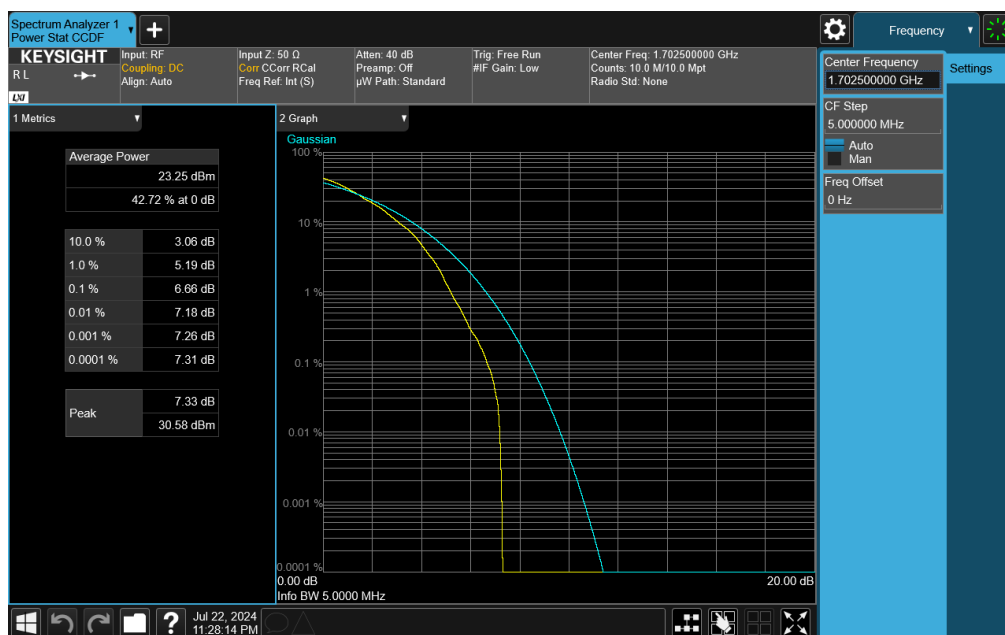


Plot 7-463. PAR Plot (NR Band n70 - 5.0MHz DFT-s-OFDM QPSK - Full RB)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-464. PAR Plot (NR Band n70 - 5.0MHz DFT-s-OFDM 16-QAM - Full RB)

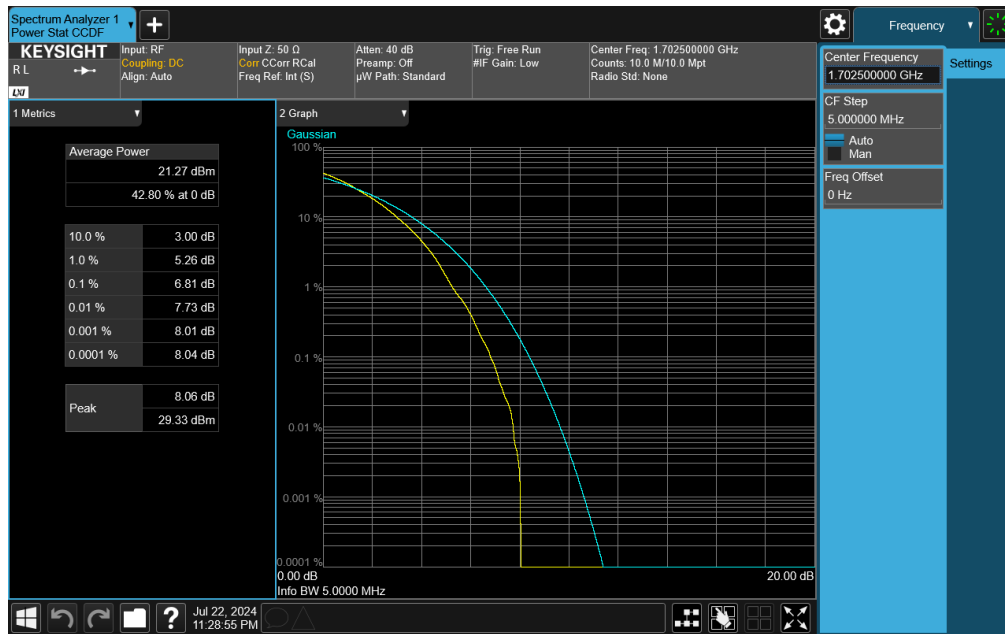


Plot 7-465. PAR Plot (NR Band n70 - 5.0MHz DFT-s-OFDM 64-QAM - Full RB)

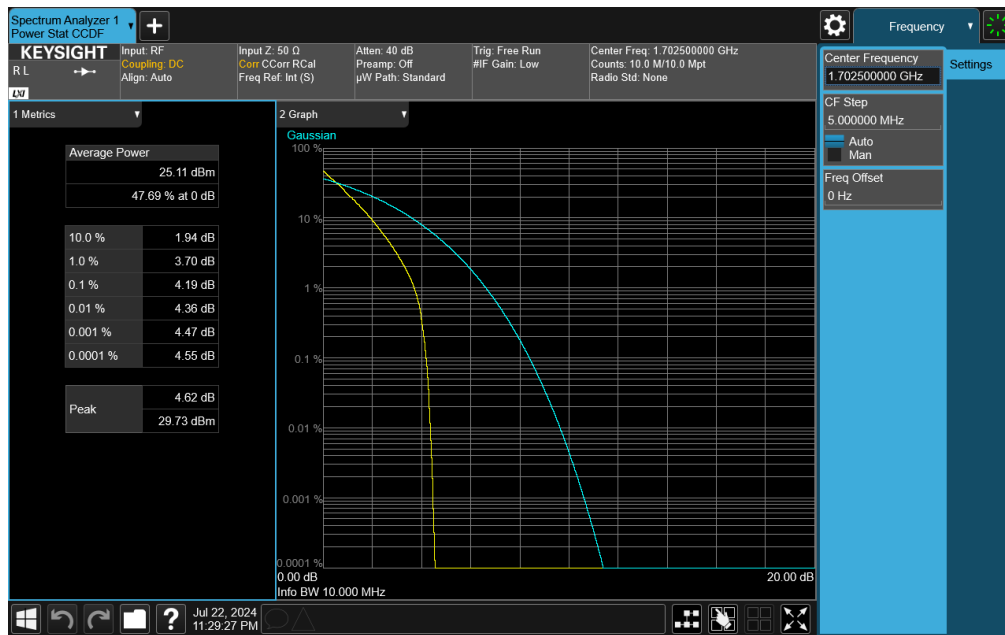
FCC ID: BCGA3269	element PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-466. PAR Plot (NR Band n70 - 5.0MHz DFT-s-OFDM 256-QAM - Full RB)

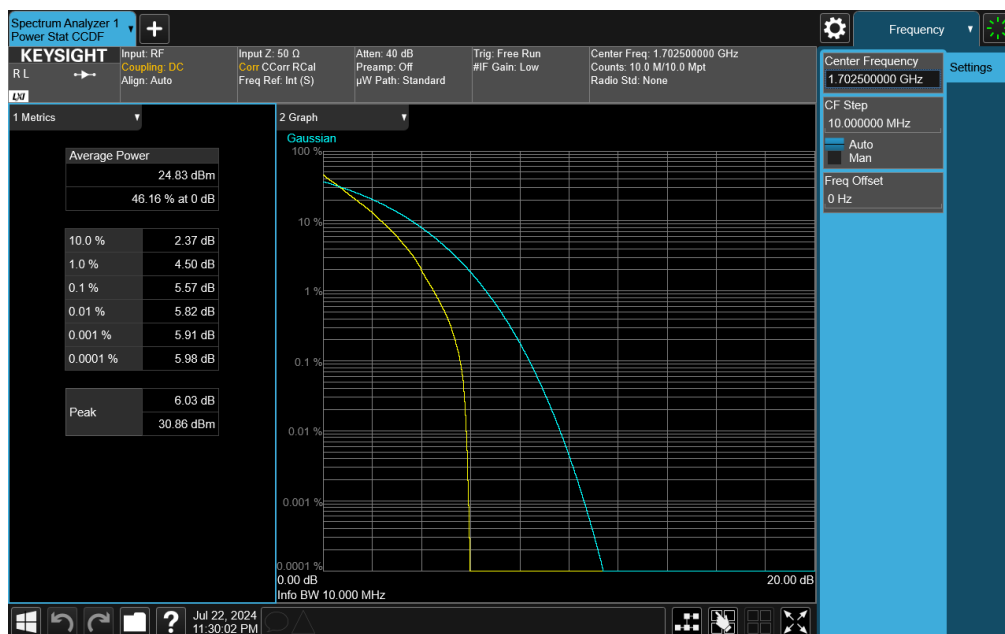


Plot 7-467. PAR Plot (NR Band n70 - 10.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

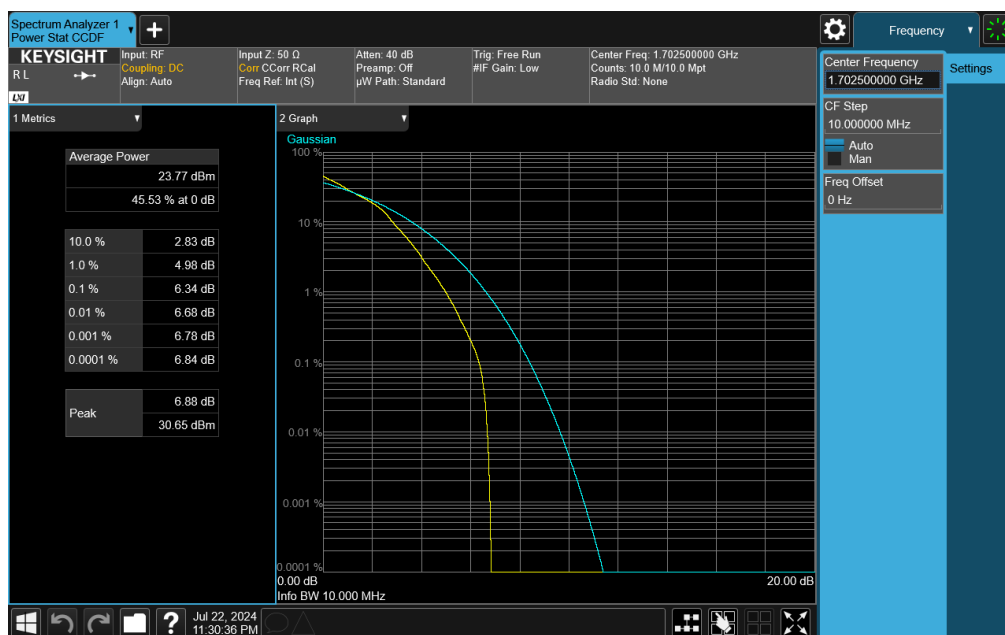
FCC ID: BCGA3269	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-468. PAR Plot (NR Band n70 - 10.0MHz DFT-s-OFDM QPSK - Full RB)

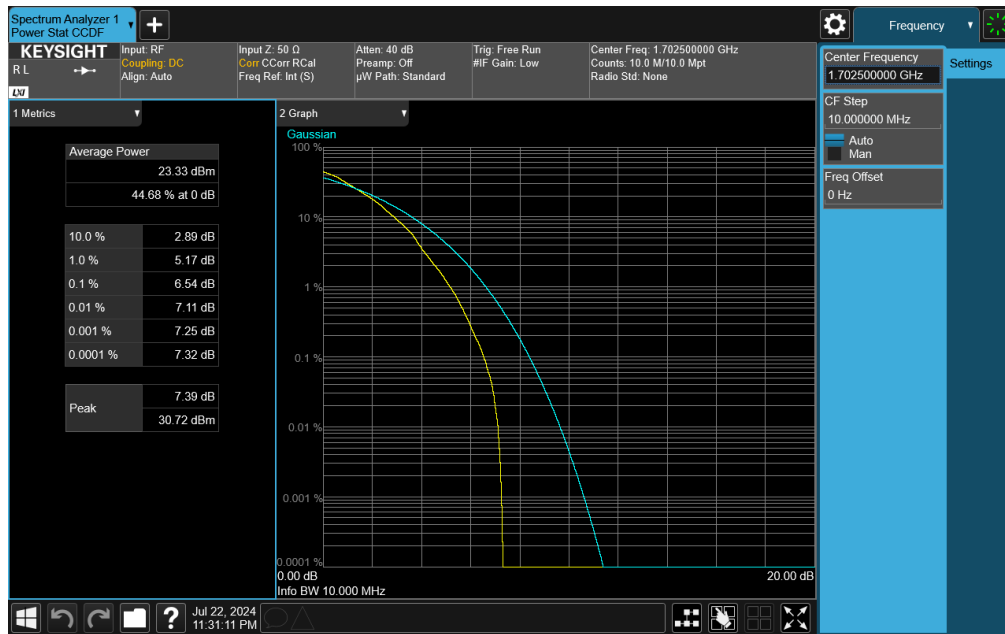


Plot 7-469. PAR Plot (NR Band n70 - 10.0MHz DFT-s-OFDM 16-QAM - Full RB)

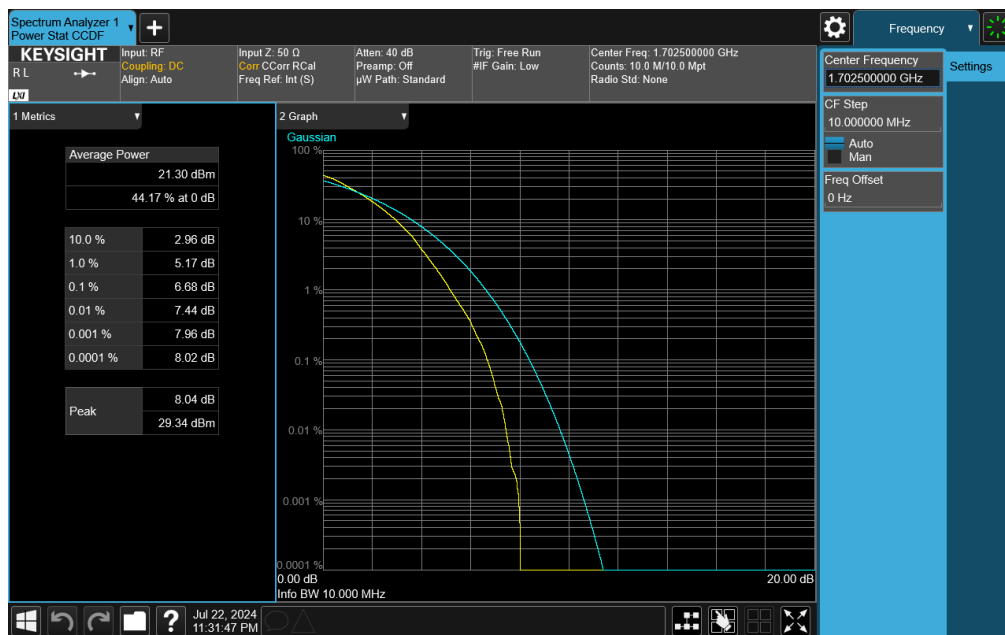
FCC ID: BCGA3269	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-470. PAR Plot (NR Band n70 - 10.0MHz DFT-s-OFDM 64-QAM - Full RB)

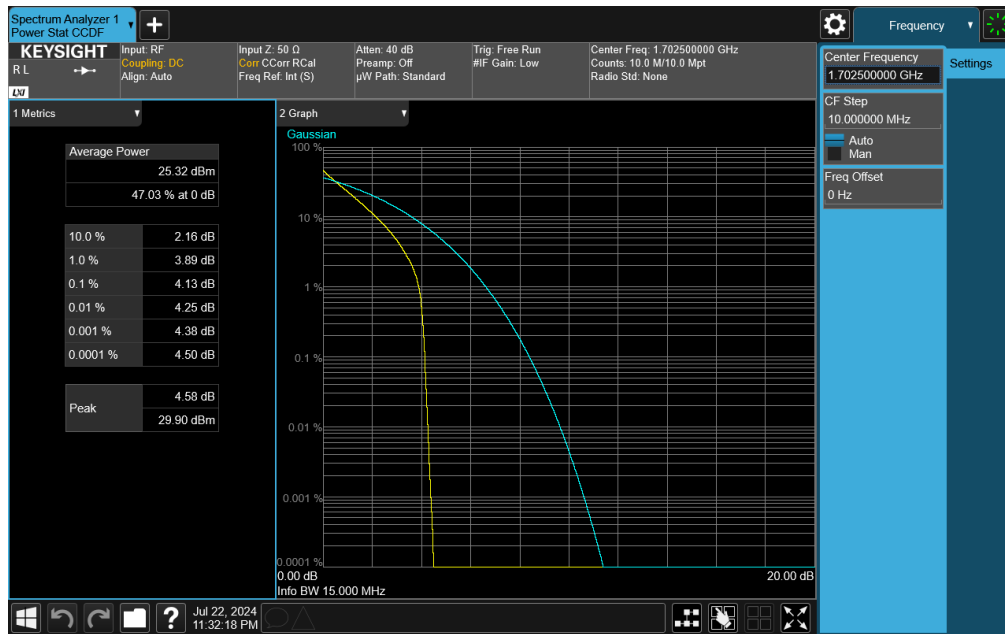


Plot 7-471. PAR Plot (NR Band n70 - 10.0MHz DFT-s-OFDM 256-QAM - Full RB)

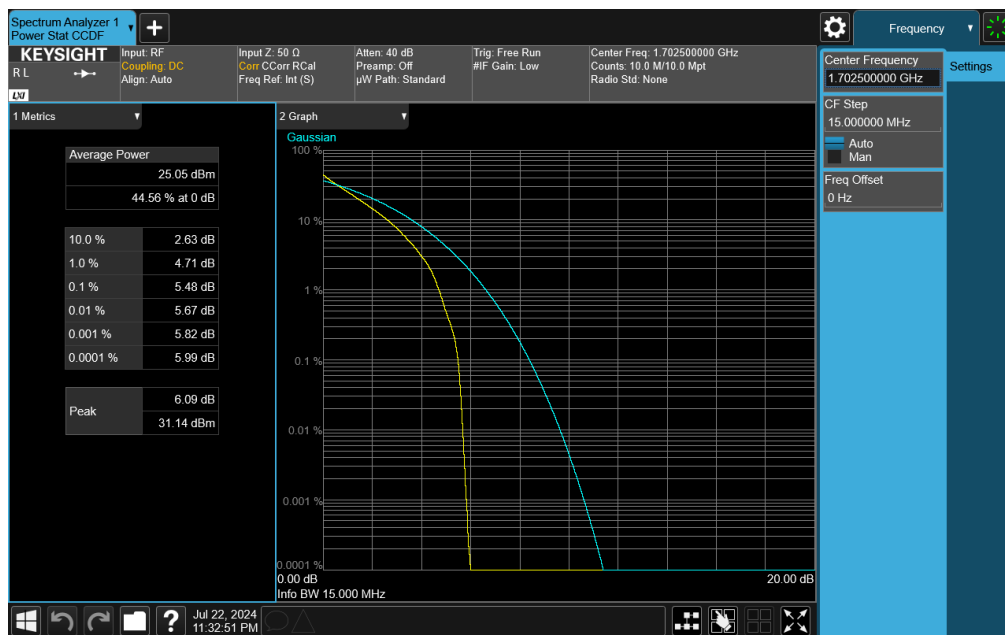
FCC ID: BCGA3269	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-472. PAR Plot (NR Band n70 - 15.0MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

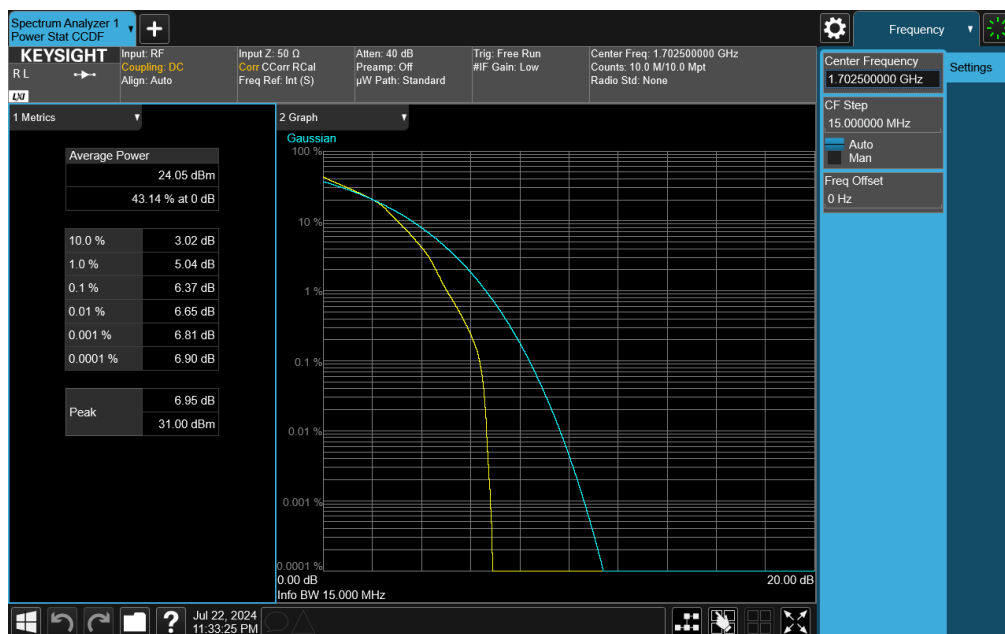


Plot 7-473. PAR Plot (NR Band n70 - 15.0MHz DFT-s-OFDM QPSK - Full RB)

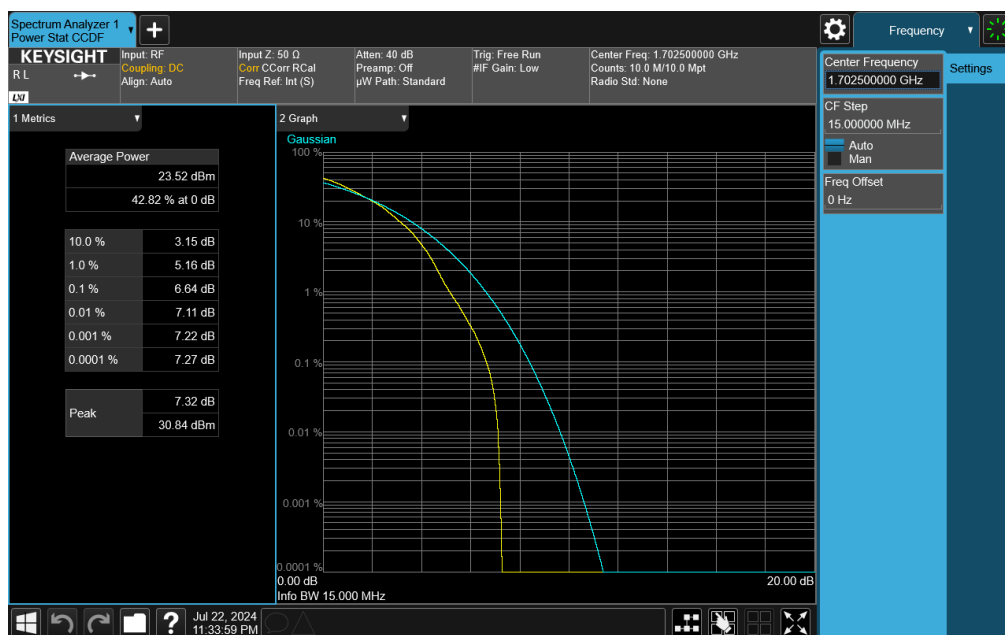
FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-474. PAR Plot (NR Band n70 - 15.0MHz DFT-s-OFDM 16-QAM - Full RB)

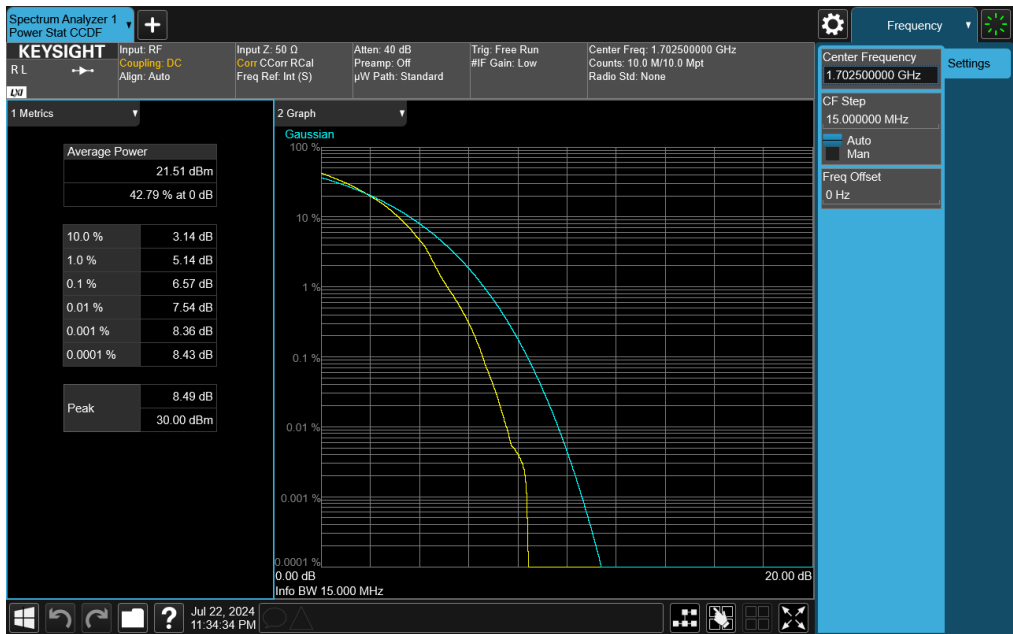


Plot 7-475. PAR Plot (NR Band n70 - 15.0MHz DFT-s-OFDM 64-QAM - Full RB)

FCC ID: BCGA3269	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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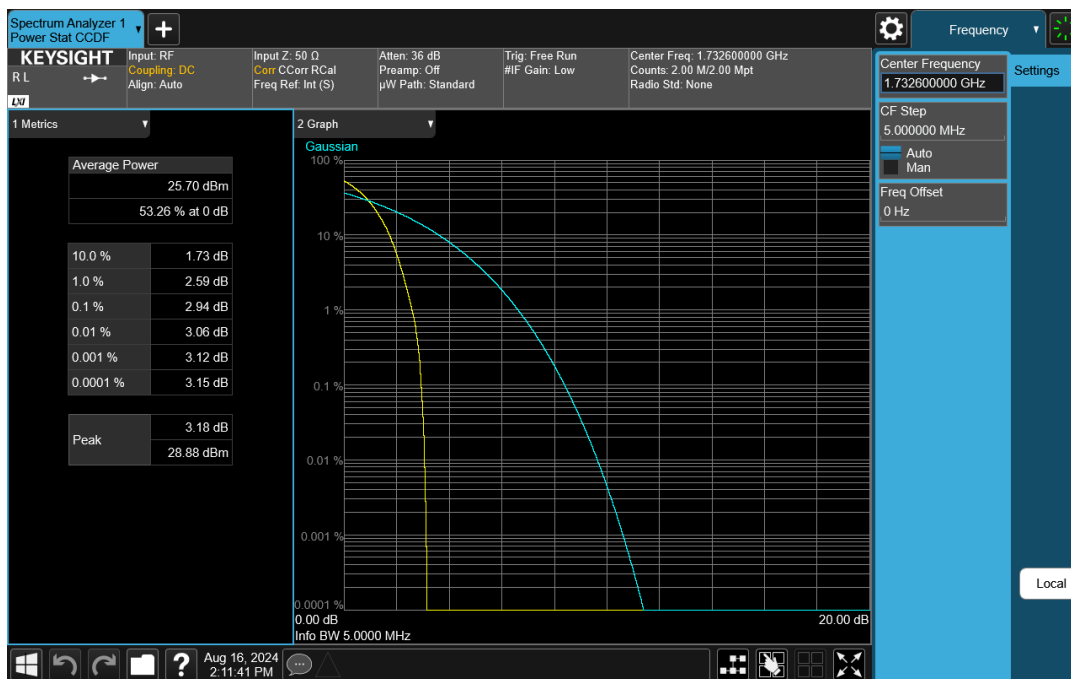
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Plot 7-476. PAR Plot (NR Band n70 - 15.0MHz DFT-s-OFDM 256-QAM - Full RB)

FCC ID: BCGA3269	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-477. PAR Plot (WCDMA, Ch. 1413)

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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.

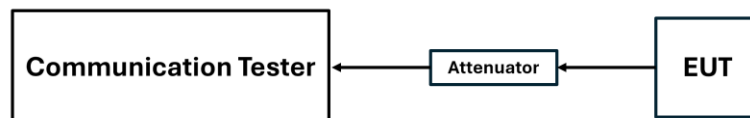


Figure 7-9. LTE EIRP Measurement Setup

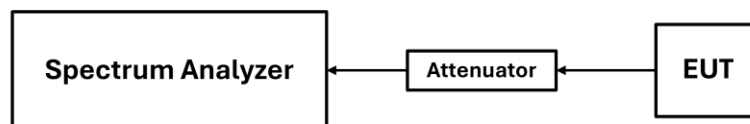


Figure 7-10. FR1 ERP/EIRP Measurement Setup

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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 – EIRP/ERP

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	0.70	1 / 3	25.56	26.26	0.423	30.00	-3.74
		1732.5	0.70	1 / 3	25.37	26.07	0.405	30.00	-3.93
		1754.3	0.70	1 / 3	25.68	26.38	0.435	30.00	-3.62
	16-QAM	1710.7	0.70	1 / 0	24.70	25.40	0.347	30.00	-4.60
	64-QAM	1732.5	0.70	1 / 5	23.64	24.34	0.272	30.00	-5.66
	256-QAM	1732.5	0.70	1 / 5	20.85	21.55	0.143	30.00	-8.45
3 MHz	QPSK	1711.5	0.70	1 / 14	25.64	26.34	0.431	30.00	-3.66
		1732.5	0.70	1 / 7	25.45	26.15	0.412	30.00	-3.85
		1753.5	0.70	1 / 0	25.61	26.31	0.428	30.00	-3.69
	16-QAM	1753.5	0.70	1 / 0	24.64	25.34	0.342	30.00	-4.66
	64-QAM	1753.5	0.70	1 / 7	23.69	24.39	0.275	30.00	-5.61
	256-QAM	1753.5	0.70	1 / 7	20.76	21.46	0.140	30.00	-8.54
5 MHz	QPSK	1712.5	0.70	1 / 12	25.52	26.22	0.419	30.00	-3.78
		1732.5	0.70	1 / 0	25.65	26.35	0.432	30.00	-3.65
		1752.5	0.70	1 / 12	25.56	26.26	0.423	30.00	-3.74
	16-QAM	1732.5	0.70	1 / 12	24.70	25.40	0.347	30.00	-4.60
	64-QAM	1732.5	0.70	1 / 0	23.69	24.39	0.275	30.00	-5.61
	256-QAM	1752.5	0.70	1 / 0	20.62	21.32	0.136	30.00	-8.68
10 MHz	QPSK	1715.0	0.70	1 / 0	25.49	26.19	0.416	30.00	-3.81
		1732.5	0.70	1 / 25	25.67	26.37	0.434	30.00	-3.63
		1750.0	0.70	1 / 25	25.70	26.40	0.437	30.00	-3.60
	16-QAM	1732.5	0.70	1 / 0	24.70	25.40	0.347	30.00	-4.60
	64-QAM	1715.0	0.70	1 / 25	23.69	24.39	0.275	30.00	-5.61
	256-QAM	1715.0	0.70	1 / 49	20.81	21.51	0.142	30.00	-8.49
15 MHz	QPSK	1717.5	0.70	1 / 74	25.59	26.29	0.426	30.00	-3.71
		1732.5	0.70	1 / 74	25.56	26.26	0.423	30.00	-3.74
		1747.5	0.70	1 / 37	25.33	26.03	0.401	30.00	-3.97
	16-QAM	1717.5	0.70	1 / 0	24.71	25.41	0.348	30.00	-4.59
	64-QAM	1717.5	0.70	1 / 0	23.73	24.43	0.277	30.00	-5.57
	256-QAM	1717.5	0.70	1 / 37	20.81	21.51	0.142	30.00	-8.49
20 MHz	QPSK	1720.0	0.70	1 / 99	25.54	26.24	0.421	30.00	-3.76
		1732.5	0.70	1 / 50	25.64	26.34	0.431	30.00	-3.66
		1745.0	0.70	1 / 50	25.58	26.28	0.425	30.00	-3.72
	16-QAM	1745.0	0.70	1 / 50	24.75	25.45	0.351	30.00	-4.55
	64-QAM	1732.5	0.70	1 / 99	23.68	24.38	0.274	30.00	-5.62
	256-QAM	1732.5	0.70	1 / 50	20.77	21.47	0.140	30.00	-8.53

Table 7-2. Antenna 4 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	0.70	1 / 3	25.70	26.40	0.437	30.00	-3.60
		1745.0	0.70	1 / 5	25.47	26.17	0.414	30.00	-3.83
		1779.3	0.70	1 / 3	25.55	26.25	0.422	30.00	-3.75
	16-QAM	1710.7	0.70	1 / 0	24.61	25.31	0.340	30.00	-4.69
	64-QAM	1745.0	0.70	1 / 5	23.64	24.34	0.272	30.00	-5.66
	256-QAM	1710.7	0.70	1 / 0	20.77	21.47	0.140	30.00	-8.53
3 MHz	QPSK	1711.5	0.70	1 / 0	25.69	26.39	0.436	30.00	-3.61
		1745.0	0.70	1 / 7	25.70	26.40	0.437	30.00	-3.60
		1778.5	0.70	1 / 0	25.53	26.23	0.420	30.00	-3.77
	16-QAM	1778.5	0.70	1 / 7	24.61	25.31	0.340	30.00	-4.69
	64-QAM	1745.0	0.70	1 / 0	23.72	24.42	0.277	30.00	-5.58
	256-QAM	1745.0	0.70	1 / 0	20.77	21.47	0.140	30.00	-8.53
5 MHz	QPSK	1712.5	0.70	1 / 24	25.64	26.34	0.431	30.00	-3.66
		1745.0	0.70	1 / 0	25.62	26.32	0.429	30.00	-3.68
		1777.5	0.70	1 / 24	25.64	26.34	0.431	30.00	-3.66
	16-QAM	1745.0	0.70	1 / 0	24.67	25.37	0.344	30.00	-4.63
	64-QAM	1777.5	0.70	1 / 24	23.58	24.28	0.268	30.00	-5.72
	256-QAM	1777.5	0.70	1 / 0	20.78	21.48	0.141	30.00	-8.52
10 MHz	QPSK	1715.0	0.70	1 / 0	25.61	26.31	0.428	30.00	-3.69
		1745.0	0.70	1 / 0	25.54	26.24	0.421	30.00	-3.76
		1775.0	0.70	1 / 0	25.57	26.27	0.424	30.00	-3.73
	16-QAM	1715.0	0.70	1 / 0	24.62	25.32	0.340	30.00	-4.68
	64-QAM	1715.0	0.70	1 / 0	23.70	24.40	0.275	30.00	-5.60
	256-QAM	1745.0	0.70	1 / 49	20.81	21.51	0.142	30.00	-8.49
15 MHz	QPSK	1717.5	0.70	1 / 0	25.47	26.17	0.414	30.00	-3.83
		1745.0	0.70	1 / 37	25.70	26.40	0.437	30.00	-3.60
		1772.5	0.70	1 / 74	25.65	26.35	0.432	30.00	-3.65
	16-QAM	1745.0	0.70	1 / 37	24.69	25.39	0.346	30.00	-4.61
	64-QAM	1745.0	0.70	1 / 74	23.68	24.38	0.274	30.00	-5.62
	256-QAM	1772.5	0.70	1 / 0	20.82	21.52	0.142	30.00	-8.48
20 MHz	QPSK	1720.0	0.70	1 / 0	25.70	26.40	0.437	30.00	-3.60
		1745.0	0.70	1 / 0	25.49	26.19	0.416	30.00	-3.81
		1770.0	0.70	1 / 0	25.69	26.39	0.436	30.00	-3.61
	16-QAM	1770.0	0.70	1 / 99	24.76	25.46	0.352	30.00	-4.54
	64-QAM	1770.0	0.70	1 / 50	23.78	24.48	0.281	30.00	-5.52
	256-QAM	1770.0	0.70	1 / 50	20.85	21.55	0.143	30.00	-8.45

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

FCC ID: BCGA3269	 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	-1.90	1 / 12	25.68	21.63	0.146	34.77	-13.14
		680.5	-1.90	1 / 0	25.59	21.54	0.143	34.77	-13.23
		695.5	-1.90	1 / 0	25.70	21.65	0.146	34.77	-13.12
	16-QAM	665.5	-1.90	1 / 0	24.64	20.59	0.115	34.77	-14.18
	64-QAM	680.5	-1.90	1 / 0	23.65	19.60	0.091	34.77	-15.17
	256-QAM	680.5	-1.90	1 / 12	20.71	16.66	0.046	34.77	-18.11
10 MHz	QPSK	668.0	-1.90	1 / 49	25.43	21.38	0.137	34.77	-13.39
		680.5	-1.90	1 / 0	25.70	21.65	0.146	34.77	-13.12
		693.0	-1.90	1 / 25	25.38	21.33	0.136	34.77	-13.44
	16-QAM	680.5	-1.90	1 / 25	24.74	20.69	0.117	34.77	-14.08
	64-QAM	680.5	-1.90	1 / 49	23.75	19.70	0.093	34.77	-15.07
	256-QAM	680.5	-1.90	1 / 25	20.71	16.66	0.046	34.77	-18.11
15 MHz	QPSK	670.5	-1.90	1 / 37	25.63	21.58	0.144	34.77	-13.19
		680.5	-1.90	1 / 74	25.57	21.52	0.142	34.77	-13.25
		690.5	-1.90	1 / 74	25.61	21.56	0.143	34.77	-13.21
	16-QAM	690.5	-1.90	1 / 74	24.71	20.66	0.116	34.77	-14.11
	64-QAM	690.5	-1.90	1 / 0	23.71	19.66	0.092	34.77	-15.11
	256-QAM	690.5	-1.90	1 / 0	20.78	16.73	0.047	34.77	-18.04
20 MHz	QPSK	673.0	-1.90	1 / 50	25.45	21.40	0.138	34.77	-13.37
		680.5	-1.90	1 / 99	25.69	21.64	0.146	34.77	-13.13
		688.0	-1.90	1 / 99	25.44	21.39	0.138	34.77	-13.38
	16-QAM	680.5	-1.90	1 / 99	24.65	20.60	0.115	34.77	-14.17
	64-QAM	688.0	-1.90	1 / 99	23.72	19.67	0.093	34.77	-15.10
	256-QAM	688.0	-1.90	1 / 50	20.78	16.73	0.047	34.77	-18.04

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

FCC ID: BCGA3269	 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	-2.10	6 / 0	24.92	20.67	0.117	34.77	-14.10
		707.5	-2.10	6 / 0	25.15	20.90	0.123	34.77	-13.87
		715.3	-2.10	6 / 0	25.00	20.75	0.119	34.77	-14.02
	16-QAM	699.7	-2.10	6 / 0	23.99	19.74	0.094	34.77	-15.03
	64-QAM	707.5	-2.10	6 / 0	23.07	18.82	0.076	34.77	-15.95
	256-QAM	715.3	-2.10	6 / 0	20.16	15.91	0.039	34.77	-18.86
3 MHz	QPSK	700.5	-2.10	1 / 7	25.63	21.38	0.137	34.77	-13.39
		707.5	-2.10	1 / 7	25.58	21.33	0.136	34.77	-13.44
		714.5	-2.10	1 / 0	25.70	21.45	0.140	34.77	-13.32
	16-QAM	700.5	-2.10	1 / 0	24.66	20.41	0.110	34.77	-14.36
	64-QAM	707.5	-2.10	1 / 14	23.77	19.52	0.090	34.77	-15.25
	256-QAM	707.5	-2.10	1 / 7	20.84	16.59	0.046	34.77	-18.18
5 MHz	QPSK	701.5	-2.10	1 / 0	25.49	21.24	0.133	34.77	-13.53
		707.5	-2.10	1 / 12	25.57	21.32	0.136	34.77	-13.45
		713.5	-2.10	1 / 24	25.60	21.35	0.136	34.77	-13.42
	16-QAM	713.5	-2.10	1 / 24	24.56	20.31	0.107	34.77	-14.46
	64-QAM	713.5	-2.10	1 / 12	23.66	19.41	0.087	34.77	-15.36
	256-QAM	713.5	-2.10	1 / 12	20.76	16.51	0.045	34.77	-18.26
10 MHz	QPSK	704.0	-2.10	1 / 0	25.57	21.32	0.136	34.77	-13.45
		707.5	-2.10	1 / 25	25.65	21.40	0.138	34.77	-13.37
		711.0	-2.10	1 / 0	25.53	21.28	0.134	34.77	-13.49
	16-QAM	711.0	-2.10	1 / 25	24.60	20.35	0.108	34.77	-14.42
	64-QAM	704.0	-2.10	1 / 49	23.67	19.42	0.087	34.77	-15.35
	256-QAM	707.5	-2.10	1 / 49	20.58	16.33	0.043	34.77	-18.44

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

FCC ID: BCGA3269	 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	-2.10	1 / 24	25.49	21.24	0.133	34.77	-13.53
		710.0	-2.10	1 / 24	25.68	21.43	0.139	34.77	-13.34
		713.5	-2.10	1 / 24	25.50	21.25	0.133	34.77	-13.52
	16-QAM	710.0	-2.10	1 / 24	24.70	20.45	0.111	34.77	-14.32
	64-QAM	706.5	-2.10	1 / 0	23.67	19.42	0.087	34.77	-15.35
	256-QAM	713.5	-2.10	1 / 0	20.80	16.55	0.045	34.77	-18.22
10 MHz	QPSK	709.0	-2.10	1 / 25	25.70	21.45	0.140	34.77	-13.32
		710.0	-2.10	1 / 49	25.59	21.34	0.136	34.77	-13.43
		711.0	-2.10	1 / 49	25.66	21.41	0.138	34.77	-13.36
	16-QAM	710.0	-2.10	1 / 0	24.67	20.42	0.110	34.77	-14.35
	64-QAM	711.0	-2.10	1 / 49	23.69	19.44	0.088	34.77	-15.33
	256-QAM	711.0	-2.10	1 / 25	20.70	16.45	0.044	34.77	-18.32

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

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		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]
5 MHz	QPSK	779.5	-2.50	1 / 12	25.67	21.02	0.126	34.77	-13.75
		782.0	-2.50	1 / 0	25.62	20.97	0.125	34.77	-13.80
		784.5	-2.50	1 / 12	25.61	20.96	0.125	34.77	-13.81
	16-QAM	784.5	-2.50	1 / 12	24.65	20.00	0.100	34.77	-14.77
	64-QAM	779.5	-2.50	1 / 0	23.73	19.08	0.081	34.77	-15.69
10 MHz	256-QAM	782.0	-2.50	1 / 12	20.74	16.09	0.041	34.77	-18.68
	QPSK	782.0	-2.50	1 / 49	25.62	20.97	0.125	34.77	-13.80
	16-QAM	782.0	-2.50	1 / 25	24.38	19.73	0.094	34.77	-15.04
	64-QAM	782.0	-2.50	1 / 0	23.66	19.01	0.080	34.77	-15.76
	256-QAM	782.0	-2.50	1 / 25	20.67	16.02	0.040	34.77	-18.75

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

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		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	0.70	1 / 23	25.66	26.36	0.433	30.00	-3.64
		1745.0	0.70	1 / 23	25.52	26.22	0.419	30.00	-3.78
		1777.5	0.70	1 / 1	25.64	26.34	0.431	30.00	-3.66
	QPSK	1712.5	0.70	1 / 12	25.70	26.40	0.437	30.00	-3.60
		1745.0	0.70	1 / 1	25.65	26.35	0.432	30.00	-3.65
		1777.5	0.70	1 / 12	25.60	26.30	0.427	30.00	-3.70
	16-QAM	1712.5	0.70	1 / 1	24.68	25.38	0.345	30.00	-4.62
	64-QAM	1777.5	0.70	1 / 1	23.70	24.40	0.275	30.00	-5.60
10 MHz	π/2 BPSK	1712.5	0.70	1 / 12	20.81	21.51	0.142	30.00	-8.49
		1715.0	0.70	1 / 1	25.70	26.40	0.437	30.00	-3.60
		1745.0	0.70	1 / 25	25.55	26.25	0.422	30.00	-3.75
	QPSK	1775.0	0.70	1 / 50	25.44	26.14	0.411	30.00	-3.86
		1715.0	0.70	1 / 50	25.66	26.36	0.433	30.00	-3.64
		1745.0	0.70	1 / 50	25.67	26.37	0.434	30.00	-3.63
	16-QAM	1775.0	0.70	1 / 50	25.50	26.20	0.417	30.00	-3.80
		1775.0	0.70	1 / 1	23.73	24.43	0.277	30.00	-5.57
15 MHz	π/2 BPSK	1775.0	0.70	1 / 25	20.64	21.34	0.136	30.00	-8.66
		1717.5	0.70	1 / 77	25.56	26.26	0.423	30.00	-3.74
		1745.0	0.70	1 / 77	25.70	26.40	0.437	30.00	-3.60
	QPSK	1772.5	0.70	1 / 77	25.70	26.40	0.437	30.00	-3.60
		1717.5	0.70	1 / 1	25.60	26.30	0.427	30.00	-3.70
		1745.0	0.70	1 / 36	25.31	26.01	0.399	30.00	-3.99
	16-QAM	1772.5	0.70	1 / 1	25.52	26.22	0.419	30.00	-3.78
		1717.5	0.70	1 / 77	24.70	25.40	0.347	30.00	-4.60
20 MHz	π/2 BPSK	1717.5	0.70	1 / 77	23.71	24.41	0.276	30.00	-5.59
		1745.0	0.70	1 / 77	20.80	21.50	0.141	30.00	-8.50
		1720.0	0.70	1 / 50	25.63	26.33	0.430	30.00	-3.67
	QPSK	1745.0	0.70	1 / 50	25.58	26.28	0.425	30.00	-3.72
		1770.0	0.70	1 / 104	25.70	26.40	0.437	30.00	-3.60
		1720.0	0.70	1 / 104	25.66	26.36	0.433	30.00	-3.64
	16-QAM	1745.0	0.70	1 / 104	25.59	26.29	0.426	30.00	-3.71
		1770.0	0.70	1 / 50	25.56	26.26	0.423	30.00	-3.74
25 MHz	π/2 BPSK	1770.0	0.70	1 / 104	24.69	25.39	0.346	30.00	-4.61
		1720.0	0.70	1 / 50	23.70	24.40	0.275	30.00	-5.60
		1720.0	0.70	1 / 50	20.83	21.53	0.142	30.00	-8.47
	QPSK	1722.5	0.70	1 / 1	25.68	26.38	0.435	30.00	-3.62
		1745.0	0.70	1 / 64	25.57	26.27	0.424	30.00	-3.73
		1767.5	0.70	1 / 64	25.52	26.22	0.419	30.00	-3.78
	16-QAM	1722.5	0.70	1 / 64	25.70	26.40	0.437	30.00	-3.60
		1745.0	0.70	1 / 131	25.66	26.36	0.433	30.00	-3.64
30 MHz	π/2 BPSK	1767.5	0.70	1 / 131	25.49	26.19	0.416	30.00	-3.81
		1722.5	0.70	1 / 1	24.71	25.41	0.348	30.00	-4.59
		1745.0	0.70	1 / 1	23.58	24.28	0.268	30.00	-5.72
	QPSK	1745.0	0.70	1 / 64	20.80	21.50	0.141	30.00	-8.50
		1725.0	0.70	1 / 1	25.70	26.40	0.437	30.00	-3.60
		1745.0	0.70	1 / 158	25.50	26.20	0.417	30.00	-3.80
	16-QAM	1765.0	0.70	1 / 158	25.66	26.36	0.433	30.00	-3.64
		1725.0	0.70	1 / 158	25.43	26.13	0.410	30.00	-3.87
35 MHz	π/2 BPSK	1745.0	0.70	1 / 158	25.67	26.37	0.434	30.00	-3.63
		1765.0	0.70	1 / 158	25.67	26.37	0.434	30.00	-3.63
		1765.0	0.70	1 / 158	25.68	26.38	0.435	30.00	-3.62
	QPSK	1765.0	0.70	1 / 1	24.59	25.29	0.338	30.00	-4.71
		1725.0	0.70	1 / 158	23.57	24.27	0.267	30.00	-5.73
		1745.0	0.70	1 / 158	20.82	21.52	0.142	30.00	-8.48
	16-QAM	1725.0	0.70	1 / 1	25.70	26.40	0.437	30.00	-3.60
		1745.0	0.70	1 / 90	25.51	26.21	0.418	30.00	-3.79
40 MHz	π/2 BPSK	1762.5	0.70	1 / 1	25.70	26.40	0.437	30.00	-3.60
		1725.0	0.70	1 / 1	25.51	26.21	0.418	30.00	-3.79
		1745.0	0.70	1 / 90	25.61	26.31	0.428	30.00	-3.69
	QPSK	1765.0	0.70	1 / 90	25.34	26.04	0.402	30.00	-3.96
		1765.0	0.70	1 / 1	24.54	25.24	0.334	30.00	-4.76
		1745.0	0.70	1 / 186	23.64	24.34	0.272	30.00	-5.66
	16-QAM	1725.0	0.70	1 / 1	20.79	21.49	0.141	30.00	-8.51
		1730.0	0.70	1 / 1	25.70	26.40	0.437	30.00	-3.60
40 MHz	π/2 BPSK	1745.0	0.70	1 / 108	25.49	26.19	0.416	30.00	-3.81
		1760.0	0.70	1 / 1	25.70	26.40	0.437	30.00	-3.60
		1730.0	0.70	1 / 1	25.66	26.36	0.433	30.00	-3.64
	QPSK	1745.0	0.70	1 / 1	25.58	26.28	0.425	30.00	-3.72
		1760.0	0.70	1 / 1	25.55	26.25	0.422	30.00	-3.75
		1745.0	0.70	1 / 108	24.68	25.38	0.345	30.00	-4.62
	16-QAM	1730.0	0.70	1 / 108	23.67	24.37	0.274	30.00	-5.63
		1730.0	0.70	1 / 1	20.82	21.52	0.142	30.00	-8.48

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

FCC ID: BCGA3269	 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	$\pi/2$ BPSK	1697.5	-1.90	1 / 23	25.69	23.79	0.239	30.00	-6.21
		1702.5	-1.90	1 / 1	25.54	23.64	0.231	30.00	-6.36
		1707.5	-1.90	1 / 12	25.69	23.79	0.239	30.00	-6.21
	QPSK	1697.5	-1.90	1 / 12	25.65	23.75	0.237	30.00	-6.25
		1702.5	-1.90	1 / 1	25.31	23.41	0.219	30.00	-6.59
		1707.5	-1.90	1 / 1	25.70	23.80	0.240	30.00	-6.20
	16-QAM	1697.5	-1.90	1 / 23	24.66	22.76	0.189	30.00	-7.24
	64-QAM	1702.5	-1.90	1 / 23	23.62	21.72	0.149	30.00	-8.28
	256-QAM	1702.5	-1.90	1 / 1	20.80	18.90	0.078	30.00	-11.10
10 MHz	$\pi/2$ BPSK	1700.0	-1.90	1 / 1	25.59	23.69	0.234	30.00	-6.31
		1702.5	-1.90	1 / 50	25.36	23.46	0.222	30.00	-6.54
		1705.0	-1.90	1 / 1	25.41	23.51	0.224	30.00	-6.49
	QPSK	1700.0	-1.90	1 / 1	25.70	23.80	0.240	30.00	-6.20
		1702.5	-1.90	1 / 25	25.65	23.75	0.237	30.00	-6.25
		1705.0	-1.90	1 / 1	25.69	23.79	0.239	30.00	-6.21
	16-QAM	1700.0	-1.90	1 / 50	24.71	22.81	0.191	30.00	-7.19
	64-QAM	1702.5	-1.90	1 / 50	23.64	21.74	0.149	30.00	-8.26
	256-QAM	1705.0	-1.90	1 / 1	20.81	18.91	0.078	30.00	-11.09
15 MHz	$\pi/2$ BPSK	1702.5	-1.90	1 / 36	25.52	23.62	0.230	30.00	-6.38
	QPSK	1702.5	-1.90	1 / 1	25.59	23.69	0.234	30.00	-6.31
	16-QAM	1702.5	-1.90	1 / 36	24.44	22.54	0.179	30.00	-7.46
	64-QAM	1702.5	-1.90	1 / 1	23.54	21.64	0.146	30.00	-8.36
	256-QAM	1702.5	-1.90	1 / 1	20.40	18.50	0.071	30.00	-11.50

Table 7-9. Antenna 4 EIRP Data (NR Band n70)

FCC ID: BCGA3269	 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	$\pi/2$ BPSK	665.5	-1.90	1 / 23	25.53	21.48	0.141	34.77	-13.29
		680.5	-1.90	1 / 12	25.51	21.46	0.140	34.77	-13.31
		695.5	-1.90	1 / 12	25.70	21.65	0.146	34.77	-13.12
	QPSK	665.5	-1.90	1 / 23	25.57	21.52	0.142	34.77	-13.25
		680.5	-1.90	1 / 12	25.70	21.65	0.146	34.77	-13.12
		695.5	-1.90	1 / 1	25.36	21.31	0.135	34.77	-13.46
	16-QAM	695.5	-1.90	1 / 23	24.70	20.65	0.116	34.77	-14.12
	64-QAM	695.5	-1.90	1 / 1	23.70	19.65	0.092	34.77	-15.12
	256-QAM	695.5	-1.90	1 / 23	20.78	16.73	0.047	34.77	-18.04
10 MHz	$\pi/2$ BPSK	668.0	-1.90	1 / 50	25.37	21.32	0.136	34.77	-13.45
		680.5	-1.90	1 / 25	25.36	21.31	0.135	34.77	-13.46
		693.0	-1.90	1 / 25	25.70	21.65	0.146	34.77	-13.12
	QPSK	668.0	-1.90	1 / 25	25.70	21.65	0.146	34.77	-13.12
		680.5	-1.90	1 / 50	25.50	21.45	0.140	34.77	-13.32
		693.0	-1.90	1 / 1	25.41	21.36	0.137	34.77	-13.41
	16-QAM	668.0	-1.90	1 / 50	24.69	20.64	0.116	34.77	-14.13
	64-QAM	693.0	-1.90	1 / 1	23.65	19.60	0.091	34.77	-15.17
	256-QAM	680.5	-1.90	1 / 1	20.79	16.74	0.047	34.77	-18.03
15 MHz	$\pi/2$ BPSK	670.5	-1.90	1 / 77	25.70	21.65	0.146	34.77	-13.12
		680.5	-1.90	1 / 1	25.57	21.52	0.142	34.77	-13.25
		690.5	-1.90	1 / 36	25.66	21.61	0.145	34.77	-13.16
	QPSK	670.5	-1.90	1 / 77	25.70	21.65	0.146	34.77	-13.12
		680.5	-1.90	1 / 36	25.48	21.43	0.139	34.77	-13.34
		690.5	-1.90	1 / 77	25.63	21.58	0.144	34.77	-13.19
	16-QAM	680.5	-1.90	1 / 77	24.74	20.69	0.117	34.77	-14.08
	64-QAM	680.5	-1.90	1 / 1	23.76	19.71	0.094	34.77	-15.06
	256-QAM	690.5	-1.90	1 / 1	20.79	16.74	0.047	34.77	-18.03
20 MHz	$\pi/2$ BPSK	673.0	-1.90	1 / 1	25.54	21.49	0.141	34.77	-13.28
		680.5	-1.90	1 / 1	25.70	21.65	0.146	34.77	-13.12
		688.0	-1.90	1 / 104	25.66	21.61	0.145	34.77	-13.16
	QPSK	673.0	-1.90	1 / 50	25.65	21.60	0.145	34.77	-13.17
		680.5	-1.90	1 / 50	25.64	21.59	0.144	34.77	-13.18
		688.0	-1.90	1 / 104	25.61	21.56	0.143	34.77	-13.21
	16-QAM	673.0	-1.90	1 / 50	24.73	20.68	0.117	34.77	-14.09
	64-QAM	673.0	-1.90	1 / 50	23.76	19.71	0.094	34.77	-15.06
	256-QAM	680.5	-1.90	1 / 104	20.81	16.76	0.047	34.77	-18.01

Table 7-10. Antenna 4 ERP Data (NR Band n71)

FCC ID: BCGA3269	 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	$\pi/2$ BPSK	701.5	-2.10	1 / 1	25.70	21.45	0.140	34.77	-13.32
		707.5	-2.10	1 / 12	25.55	21.30	0.135	34.77	-13.47
		713.5	-2.10	1 / 12	25.60	21.35	0.136	34.77	-13.42
	QPSK	701.5	-2.10	1 / 23	25.68	21.43	0.139	34.77	-13.34
		707.5	-2.10	1 / 1	25.51	21.26	0.134	34.77	-13.51
		713.5	-2.10	1 / 23	25.58	21.33	0.136	34.77	-13.44
	16-QAM	713.5	-2.10	1 / 1	24.66	20.41	0.110	34.77	-14.36
	64-QAM	701.5	-2.10	1 / 23	23.63	19.38	0.087	34.77	-15.39
	256-QAM	713.5	-2.10	1 / 23	20.73	16.48	0.044	34.77	-18.29
10 MHz	$\pi/2$ BPSK	704.0	-2.10	1 / 25	25.70	21.45	0.140	34.77	-13.32
		707.5	-2.10	1 / 50	25.67	21.42	0.139	34.77	-13.35
		711.0	-2.10	1 / 50	25.48	21.23	0.133	34.77	-13.54
	QPSK	704.0	-2.10	1 / 1	25.69	21.44	0.139	34.77	-13.33
		707.5	-2.10	1 / 1	25.64	21.39	0.138	34.77	-13.38
		711.0	-2.10	1 / 25	25.60	21.35	0.136	34.77	-13.42
	16-QAM	711.0	-2.10	1 / 1	24.54	20.29	0.107	34.77	-14.48
	64-QAM	704.0	-2.10	1 / 50	23.66	19.41	0.087	34.77	-15.36
	256-QAM	711.0	-2.10	1 / 50	20.75	16.50	0.045	34.77	-18.27
15 MHz	$\pi/2$ BPSK	706.5	-2.10	1 / 1	25.65	21.40	0.138	34.77	-13.37
		707.5	-2.10	1 / 1	25.54	21.29	0.135	34.77	-13.48
		708.5	-2.10	1 / 1	25.58	21.33	0.136	34.77	-13.44
	QPSK	706.5	-2.10	1 / 77	25.70	21.45	0.140	34.77	-13.32
		707.5	-2.10	1 / 77	25.41	21.16	0.131	34.77	-13.61
		708.5	-2.10	1 / 1	25.43	21.18	0.131	34.77	-13.59
	16-QAM	706.5	-2.10	1 / 36	24.60	20.35	0.108	34.77	-14.42
	64-QAM	708.5	-2.10	1 / 36	23.68	19.43	0.088	34.77	-15.34
	256-QAM	708.5	-2.10	1 / 1	20.61	16.36	0.043	34.77	-18.41

Table 7-11. Antenna 4 ERP Data (NR Band n12)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		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	25.67	0.70	26.37	0.434	30.00	-3.63
1732.60	WCDMA1700	25.65	0.70	26.35	0.432	30.00	-3.65
1752.60	WCDMA1700	25.70	0.70	26.40	0.437	30.00	-3.60

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

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.6.2 Antenna 1b – 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	-1.10	1 / 3	25.57	24.47	0.280	30.00	-5.53
		1732.5	-1.10	1 / 0	25.66	24.56	0.286	30.00	-5.44
		1754.3	-1.10	1 / 5	25.69	24.59	0.288	30.00	-5.41
	16-QAM	1732.5	-1.10	1 / 3	24.62	23.52	0.225	30.00	-6.48
	64-QAM	1710.7	-1.10	1 / 5	23.54	22.44	0.175	30.00	-7.56
	256-QAM	1710.7	-1.10	1 / 5	20.72	19.62	0.092	30.00	-10.38
3 MHz	QPSK	1711.5	-1.10	1 / 0	25.60	24.50	0.282	30.00	-5.50
		1732.5	-1.10	1 / 0	25.51	24.41	0.276	30.00	-5.59
		1753.5	-1.10	1 / 7	25.70	24.60	0.288	30.00	-5.40
	16-QAM	1711.5	-1.10	1 / 0	24.66	23.56	0.227	30.00	-6.44
	64-QAM	1711.5	-1.10	1 / 14	23.69	22.59	0.182	30.00	-7.41
	256-QAM	1753.5	-1.10	1 / 0	20.78	19.68	0.093	30.00	-10.32
5 MHz	QPSK	1712.5	-1.10	1 / 24	25.54	24.44	0.278	30.00	-5.56
		1732.5	-1.10	1 / 0	25.69	24.59	0.288	30.00	-5.41
		1752.5	-1.10	1 / 12	25.41	24.31	0.270	30.00	-5.69
	16-QAM	1712.5	-1.10	1 / 12	24.69	23.59	0.229	30.00	-6.41
	64-QAM	1752.5	-1.10	1 / 12	23.70	22.60	0.182	30.00	-7.40
	256-QAM	1732.5	-1.10	1 / 24	20.78	19.68	0.093	30.00	-10.32
10 MHz	QPSK	1715.0	-1.10	1 / 0	25.68	24.58	0.287	30.00	-5.42
		1732.5	-1.10	1 / 25	25.56	24.46	0.279	30.00	-5.54
		1750.0	-1.10	1 / 25	25.64	24.54	0.284	30.00	-5.46
	16-QAM	1715.0	-1.10	1 / 25	24.69	23.59	0.229	30.00	-6.41
	64-QAM	1750.0	-1.10	1 / 25	23.67	22.57	0.181	30.00	-7.43
	256-QAM	1732.5	-1.10	1 / 49	20.64	19.54	0.090	30.00	-10.46
15 MHz	QPSK	1717.5	-1.10	1 / 74	25.70	24.60	0.288	30.00	-5.40
		1732.5	-1.10	1 / 0	25.64	24.54	0.284	30.00	-5.46
		1747.5	-1.10	1 / 74	25.66	24.56	0.286	30.00	-5.44
	16-QAM	1732.5	-1.10	1 / 74	24.64	23.54	0.226	30.00	-6.46
	64-QAM	1732.5	-1.10	1 / 74	23.64	22.54	0.179	30.00	-7.46
	256-QAM	1747.5	-1.10	1 / 74	20.77	19.67	0.093	30.00	-10.33
20 MHz	QPSK	1720.0	-1.10	1 / 99	25.66	24.56	0.286	30.00	-5.44
		1732.5	-1.10	1 / 99	25.68	24.58	0.287	30.00	-5.42
		1745.0	-1.10	1 / 50	25.53	24.43	0.277	30.00	-5.57
	16-QAM	1720.0	-1.10	1 / 0	24.64	23.54	0.226	30.00	-6.46
	64-QAM	1720.0	-1.10	1 / 0	23.70	22.60	0.182	30.00	-7.40
	256-QAM	1732.5	-1.10	1 / 99	20.78	19.68	0.093	30.00	-10.32

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

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		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	-1.10	1 / 3	25.58	24.48	0.281	30.00	-5.52
		1745.0	-1.10	1 / 3	25.42	24.32	0.270	30.00	-5.68
		1779.3	-1.10	1 / 3	25.47	24.37	0.274	30.00	-5.63
	16-QAM	1710.7	-1.10	1 / 0	24.71	23.61	0.230	30.00	-6.39
	64-QAM	1779.3	-1.10	1 / 5	23.70	22.60	0.182	30.00	-7.40
	256-QAM	1710.7	-1.10	1 / 3	20.76	19.66	0.092	30.00	-10.34
3 MHz	QPSK	1711.5	-1.10	1 / 0	25.64	24.54	0.284	30.00	-5.46
		1745.0	-1.10	1 / 7	25.69	24.59	0.288	30.00	-5.41
		1778.5	-1.10	1 / 0	25.70	24.60	0.288	30.00	-5.40
	16-QAM	1745.0	-1.10	1 / 7	24.75	23.65	0.232	30.00	-6.35
	64-QAM	1745.0	-1.10	1 / 14	23.69	22.59	0.182	30.00	-7.41
	256-QAM	1778.5	-1.10	1 / 7	20.83	19.73	0.094	30.00	-10.27
5 MHz	QPSK	1712.5	-1.10	1 / 12	25.36	24.26	0.267	30.00	-5.74
		1745.0	-1.10	1 / 12	25.70	24.60	0.288	30.00	-5.40
		1777.5	-1.10	1 / 12	25.61	24.51	0.282	30.00	-5.49
	16-QAM	1712.5	-1.10	1 / 24	24.71	23.61	0.230	30.00	-6.39
	64-QAM	1712.5	-1.10	1 / 0	23.66	22.56	0.180	30.00	-7.44
	256-QAM	1712.5	-1.10	1 / 12	20.81	19.71	0.094	30.00	-10.29
10 MHz	QPSK	1715.0	-1.10	1 / 25	25.65	24.55	0.285	30.00	-5.45
		1745.0	-1.10	1 / 25	25.59	24.49	0.281	30.00	-5.51
		1775.0	-1.10	1 / 0	25.70	24.60	0.288	30.00	-5.40
	16-QAM	1715.0	-1.10	1 / 49	24.65	23.55	0.226	30.00	-6.45
	64-QAM	1745.0	-1.10	1 / 49	23.68	22.58	0.181	30.00	-7.42
	256-QAM	1715.0	-1.10	1 / 25	20.71	19.61	0.091	30.00	-10.39
15 MHz	QPSK	1717.5	-1.10	1 / 0	25.27	24.17	0.261	30.00	-5.83
		1745.0	-1.10	1 / 74	25.52	24.42	0.277	30.00	-5.58
		1772.5	-1.10	1 / 0	25.70	24.60	0.288	30.00	-5.40
	16-QAM	1772.5	-1.10	1 / 0	24.68	23.58	0.228	30.00	-6.42
	64-QAM	1745.0	-1.10	1 / 37	23.73	22.63	0.183	30.00	-7.37
	256-QAM	1772.5	-1.10	1 / 74	20.81	19.71	0.094	30.00	-10.29
20 MHz	QPSK	1720.0	-1.10	1 / 99	25.61	24.51	0.282	30.00	-5.49
		1745.0	-1.10	1 / 50	25.62	24.52	0.283	30.00	-5.48
		1770.0	-1.10	1 / 50	25.70	24.60	0.288	30.00	-5.40
	16-QAM	1720.0	-1.10	1 / 50	24.71	23.61	0.230	30.00	-6.39
	64-QAM	1770.0	-1.10	1 / 0	23.70	22.60	0.182	30.00	-7.40
	256-QAM	1770.0	-1.10	1 / 50	20.82	19.72	0.094	30.00	-10.28

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

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		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	-1.10	1 / 23	25.38	24.28	0.268	30.00	-5.72
		1745.0	-1.10	1 / 1	25.70	24.60	0.288	30.00	-5.40
		1777.5	-1.10	1 / 12	25.34	24.24	0.265	30.00	-5.76
	QPSK	1712.5	-1.10	1 / 23	25.52	24.42	0.277	30.00	-5.58
		1745.0	-1.10	1 / 12	25.61	24.51	0.282	30.00	-5.49
		1777.5	-1.10	1 / 1	25.40	24.30	0.269	30.00	-5.70
	16-QAM	1712.5	-1.10	1 / 23	24.72	23.62	0.230	30.00	-6.38
	64-QAM	1712.5	-1.10	1 / 12	23.65	22.55	0.180	30.00	-7.45
10 MHz	π/2 BPSK	1715.0	-1.10	1 / 50	25.70	24.60	0.288	30.00	-5.40
		1745.0	-1.10	1 / 1	25.67	24.57	0.286	30.00	-5.43
		1775.0	-1.10	1 / 50	25.68	24.58	0.287	30.00	-5.42
	QPSK	1715.0	-1.10	1 / 25	25.45	24.35	0.272	30.00	-5.65
		1745.0	-1.10	1 / 1	25.68	24.58	0.287	30.00	-5.42
		1775.0	-1.10	1 / 1	25.49	24.39	0.275	30.00	-5.61
	16-QAM	1775.0	-1.10	1 / 50	24.70	23.60	0.229	30.00	-6.40
	256-QAM	1715.0	-1.10	1 / 25	23.64	22.54	0.179	30.00	-7.46
15 MHz	π/2 BPSK	1715.0	-1.10	1 / 50	20.81	19.71	0.094	30.00	-10.29
		1717.5	-1.10	1 / 1	25.59	24.49	0.281	30.00	-5.51
		1745.0	-1.10	1 / 1	25.70	24.60	0.288	30.00	-5.40
	QPSK	1772.5	-1.10	1 / 36	25.39	24.29	0.269	30.00	-5.71
		1717.5	-1.10	1 / 1	25.68	24.58	0.287	30.00	-5.42
		1745.0	-1.10	1 / 36	25.68	24.58	0.287	30.00	-5.42
	16-QAM	1772.5	-1.10	1 / 36	25.66	24.56	0.286	30.00	-5.44
	64-QAM	1745.0	-1.10	1 / 77	24.73	23.63	0.231	30.00	-6.37
20 MHz	π/2 BPSK	1772.5	-1.10	1 / 1	23.73	22.63	0.183	30.00	-7.37
		1745.0	-1.10	1 / 77	20.70	19.60	0.091	30.00	-10.40
		1720.0	-1.10	1 / 50	25.60	24.50	0.282	30.00	-5.50
	QPSK	1745.0	-1.10	1 / 50	25.70	24.60	0.288	30.00	-5.40
		1770.0	-1.10	1 / 104	25.70	24.60	0.288	30.00	-5.40
		1720.0	-1.10	1 / 1	25.33	24.23	0.265	30.00	-5.77
	16-QAM	1745.0	-1.10	1 / 1	25.44	24.34	0.272	30.00	-5.66
	256-QAM	1770.0	-1.10	1 / 104	25.69	24.59	0.288	30.00	-5.41
25 MHz	π/2 BPSK	1720.0	-1.10	1 / 1	24.69	23.59	0.229	30.00	-6.41
		1745.0	-1.10	1 / 1	23.64	22.54	0.179	30.00	-7.46
		1745.0	-1.10	1 / 1	20.78	19.68	0.093	30.00	-10.32
	QPSK	1722.5	-1.10	1 / 131	25.56	24.46	0.279	30.00	-5.54
		1745.0	-1.10	1 / 131	25.39	24.29	0.269	30.00	-5.71
		1767.5	-1.10	1 / 64	25.55	24.45	0.279	30.00	-5.55
	16-QAM	1722.5	-1.10	1 / 1	25.70	24.60	0.288	30.00	-5.40
	256-QAM	1745.0	-1.10	1 / 1	25.39	24.29	0.269	30.00	-5.71
30 MHz	π/2 BPSK	1767.5	-1.10	1 / 131	25.43	24.33	0.271	30.00	-5.67
		1722.5	-1.10	1 / 131	24.70	23.60	0.229	30.00	-6.40
		1722.5	-1.10	1 / 1	23.61	22.51	0.178	30.00	-7.49
	QPSK	1722.5	-1.10	1 / 64	20.81	19.71	0.094	30.00	-10.29
		1725.0	-1.10	1 / 158	25.58	24.48	0.281	30.00	-5.52
		1745.0	-1.10	1 / 80	25.65	24.55	0.285	30.00	-5.45
	16-QAM	1765.0	-1.10	1 / 80	25.24	24.14	0.259	30.00	-5.86
	256-QAM	1725.0	-1.10	1 / 1	25.70	24.60	0.288	30.00	-5.40
35 MHz	π/2 BPSK	1745.0	-1.10	1 / 1	25.57	24.47	0.280	30.00	-5.53
		1765.0	-1.10	1 / 158	25.44	24.34	0.272	30.00	-5.66
		1745.0	-1.10	1 / 80	24.69	23.59	0.229	30.00	-6.41
	QPSK	1765.0	-1.10	1 / 1	23.68	22.58	0.181	30.00	-7.42
		1725.0	-1.10	1 / 1	20.70	19.60	0.091	30.00	-10.40
		1727.5	-1.10	1 / 186	25.70	24.60	0.288	30.00	-5.40
	16-QAM	1745.0	-1.10	1 / 90	25.69	24.59	0.288	30.00	-5.41
	256-QAM	1762.5	-1.10	1 / 1	25.63	24.53	0.284	30.00	-5.47
40 MHz	π/2 BPSK	1725.0	-1.10	1 / 186	25.66	24.56	0.286	30.00	-5.44
		1745.0	-1.10	1 / 90	25.43	24.33	0.271	30.00	-5.67
		1765.0	-1.10	1 / 1	25.58	24.48	0.281	30.00	-5.52
	QPSK	1745.0	-1.10	1 / 90	24.57	23.47	0.222	30.00	-6.53
		1725.0	-1.10	1 / 90	23.56	22.46	0.176	30.00	-7.54
		1725.0	-1.10	1 / 186	20.80	19.70	0.093	30.00	-10.30
	16-QAM	1730.0	-1.10	1 / 1	25.69	24.59	0.288	30.00	-5.41
	256-QAM	1745.0	-1.10	1 / 108	25.70	24.60	0.288	30.00	-5.40
40 MHz	π/2 BPSK	1760.0	-1.10	1 / 108	25.65	24.55	0.285	30.00	-5.45
		1730.0	-1.10	1 / 214	25.48	24.38	0.274	30.00	-5.62
		1745.0	-1.10	1 / 1	25.55	24.45	0.279	30.00	-5.55
	QPSK	1760.0	-1.10	1 / 214	25.50	24.40	0.275	30.00	-5.60
		1760.0	-1.10	1 / 214	24.71	23.61	0.230	30.00	-6.39
		1745.0	-1.10	1 / 108	23.67	22.57	0.181	30.00	-7.43
	16-QAM	1760.0	-1.10	1 / 108	20.67	19.57	0.091	30.00	-10.43
	256-QAM	1760.0	-1.10	1 / 108	20.67	19.57	0.091	30.00	-10.43

Table 7-15. Antenna 1b EIRP Data (NR Band n66)

FCC ID: BCGA3269		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-09-R1.BCG	Test Dates: 7/1/2024 - 12/27/2024	EUT Type: Tablet Device	Page 284 of 351	

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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	$\pi/2$ BPSK	1697.5	-3.30	1 / 23	25.66	22.36	0.172	30.00	-7.64
		1702.5	-3.30	1 / 1	25.67	22.37	0.173	30.00	-7.63
		1707.5	-3.30	1 / 23	25.70	22.40	0.174	30.00	-7.60
	QPSK	1697.5	-3.30	1 / 1	25.39	22.09	0.162	30.00	-7.91
		1702.5	-3.30	1 / 23	25.59	22.29	0.169	30.00	-7.71
		1707.5	-3.30	1 / 1	25.52	22.22	0.167	30.00	-7.78
	16-QAM	1707.5	-3.30	1 / 23	24.68	21.38	0.137	30.00	-8.62
	64-QAM	1702.5	-3.30	1 / 1	23.69	20.39	0.109	30.00	-9.61
	256-QAM	1707.5	-3.30	1 / 23	20.73	17.43	0.055	30.00	-12.57
10 MHz	$\pi/2$ BPSK	1700.0	-3.30	1 / 25	25.57	22.27	0.169	30.00	-7.73
		1702.5	-3.30	1 / 1	25.70	22.40	0.174	30.00	-7.60
		1705.0	-3.30	1 / 50	25.62	22.32	0.171	30.00	-7.68
	QPSK	1700.0	-3.30	1 / 50	25.65	22.35	0.172	30.00	-7.65
		1702.5	-3.30	1 / 50	25.70	22.40	0.174	30.00	-7.60
		1705.0	-3.30	1 / 50	25.64	22.34	0.171	30.00	-7.66
	16-QAM	1702.5	-3.30	1 / 50	24.67	21.37	0.137	30.00	-8.63
	64-QAM	1705.0	-3.30	1 / 50	23.64	20.34	0.108	30.00	-9.66
15 MHz	256-QAM	1702.5	-3.30	1 / 1	20.77	17.47	0.056	30.00	-12.53
	$\pi/2$ BPSK	1702.5	-3.30	1 / 1	25.67	22.37	0.173	30.00	-7.63
	QPSK	1702.5	-3.30	1 / 1	25.49	22.19	0.166	30.00	-7.81
	16-QAM	1702.5	-3.30	1 / 77	24.57	21.27	0.134	30.00	-8.73
	64-QAM	1702.5	-3.30	1 / 77	23.73	20.43	0.110	30.00	-9.57
	256-QAM	1702.5	-3.30	1 / 77	20.58	17.28	0.053	30.00	-12.72

Table 7-16. Antenna 1b EIRP Data (NR Band n70)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		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	22.65	-1.10	21.55	0.143	30.00	-8.45
1732.60	WCDMA1700	22.70	-1.10	21.60	0.145	30.00	-8.40
1752.60	WCDMA1700	22.59	-1.10	21.49	0.141	30.00	-8.51

Table 7-17. Antenna 1b EIRP Data (WCDMA AWS)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.6.3 Antenna 3b – 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	-2.60	1 / 3	24.60	22.00	0.158	30.00	-8.00
		1732.5	-2.60	1 / 5	24.66	22.06	0.161	30.00	-7.94
		1754.3	-2.60	1 / 5	24.55	21.95	0.157	30.00	-8.05
	16-QAM	1732.5	-2.60	1 / 3	23.71	21.11	0.129	30.00	-8.89
	64-QAM	1754.3	-2.60	1 / 3	22.67	20.07	0.102	30.00	-9.93
	256-QAM	1710.7	-2.60	1 / 0	19.74	17.14	0.052	30.00	-12.86
3 MHz	QPSK	1711.5	-2.60	1 / 0	24.57	21.97	0.157	30.00	-8.03
		1732.5	-2.60	1 / 7	24.67	22.07	0.161	30.00	-7.93
		1753.5	-2.60	1 / 14	24.70	22.10	0.162	30.00	-7.90
	16-QAM	1753.5	-2.60	1 / 0	23.73	21.13	0.130	30.00	-8.87
	64-QAM	1753.5	-2.60	1 / 0	22.76	20.16	0.104	30.00	-9.84
	256-QAM	1711.5	-2.60	1 / 0	19.77	17.17	0.052	30.00	-12.83
5 MHz	QPSK	1712.5	-2.60	1 / 24	24.70	22.10	0.162	30.00	-7.90
		1732.5	-2.60	1 / 24	24.65	22.05	0.160	30.00	-7.95
		1752.5	-2.60	1 / 12	24.58	21.98	0.158	30.00	-8.02
	16-QAM	1732.5	-2.60	1 / 0	23.69	21.09	0.129	30.00	-8.91
	64-QAM	1732.5	-2.60	1 / 12	22.68	20.08	0.102	30.00	-9.92
	256-QAM	1752.5	-2.60	1 / 24	19.82	17.22	0.053	30.00	-12.78
10 MHz	QPSK	1715.0	-2.60	1 / 49	24.65	22.05	0.160	30.00	-7.95
		1732.5	-2.60	1 / 49	24.62	22.02	0.159	30.00	-7.98
		1750.0	-2.60	1 / 25	24.43	21.83	0.152	30.00	-8.17
	16-QAM	1732.5	-2.60	1 / 25	23.75	21.15	0.130	30.00	-8.85
	64-QAM	1750.0	-2.60	1 / 25	22.71	20.11	0.103	30.00	-9.89
	256-QAM	1715.0	-2.60	1 / 49	19.82	17.22	0.053	30.00	-12.78
15 MHz	QPSK	1717.5	-2.60	1 / 0	24.67	22.07	0.161	30.00	-7.93
		1732.5	-2.60	1 / 74	24.55	21.95	0.157	30.00	-8.05
		1747.5	-2.60	1 / 37	24.47	21.87	0.154	30.00	-8.13
	16-QAM	1732.5	-2.60	1 / 37	23.67	21.07	0.128	30.00	-8.93
	64-QAM	1717.5	-2.60	1 / 0	22.71	20.11	0.103	30.00	-9.89
	256-QAM	1747.5	-2.60	1 / 0	19.70	17.10	0.051	30.00	-12.90
20 MHz	QPSK	1720.0	-2.60	1 / 99	24.52	21.92	0.156	30.00	-8.08
		1732.5	-2.60	1 / 99	24.57	21.97	0.157	30.00	-8.03
		1745.0	-2.60	1 / 50	24.70	22.10	0.162	30.00	-7.90
	16-QAM	1732.5	-2.60	1 / 0	23.70	21.10	0.129	30.00	-8.90
	64-QAM	1745.0	-2.60	1 / 99	22.72	20.12	0.103	30.00	-9.88
	256-QAM	1720.0	-2.60	1 / 99	19.83	17.23	0.053	30.00	-12.77

Table 7-18. Antenna 3b EIRP Data (LTE Band 66)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		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	-2.60	1 / 5	24.64	22.04	0.160	30.00	-7.96
		1745.0	-2.60	1 / 5	24.69	22.09	0.162	30.00	-7.91
		1779.3	-2.60	1 / 5	24.70	22.10	0.162	30.00	-7.90
	16-QAM	1779.3	-2.60	1 / 5	23.63	21.03	0.127	30.00	-8.97
	64-QAM	1710.7	-2.60	1 / 3	22.69	20.09	0.102	30.00	-9.91
	256-QAM	1710.7	-2.60	1 / 0	19.81	17.21	0.053	30.00	-12.79
3 MHz	QPSK	1711.5	-2.60	1 / 14	24.44	21.84	0.153	30.00	-8.16
		1745.0	-2.60	1 / 7	24.70	22.10	0.162	30.00	-7.90
		1778.5	-2.60	1 / 7	24.61	22.01	0.159	30.00	-7.99
	16-QAM	1745.0	-2.60	1 / 7	23.70	21.10	0.129	30.00	-8.90
	64-QAM	1745.0	-2.60	1 / 14	22.63	20.03	0.101	30.00	-9.97
	256-QAM	1778.5	-2.60	1 / 14	19.79	17.19	0.052	30.00	-12.81
5 MHz	QPSK	1712.5	-2.60	1 / 12	24.64	22.04	0.160	30.00	-7.96
		1745.0	-2.60	1 / 12	24.70	22.10	0.162	30.00	-7.90
		1777.5	-2.60	1 / 24	24.67	22.07	0.161	30.00	-7.93
	16-QAM	1745.0	-2.60	1 / 12	23.75	21.15	0.130	30.00	-8.85
	64-QAM	1745.0	-2.60	1 / 12	22.74	20.14	0.103	30.00	-9.86
	256-QAM	1712.5	-2.60	1 / 12	19.81	17.21	0.053	30.00	-12.79
10 MHz	QPSK	1715.0	-2.60	1 / 49	24.54	21.94	0.156	30.00	-8.06
		1745.0	-2.60	1 / 0	24.43	21.83	0.152	30.00	-8.17
		1775.0	-2.60	1 / 49	24.54	21.94	0.156	30.00	-8.06
	16-QAM	1745.0	-2.60	1 / 0	23.70	21.10	0.129	30.00	-8.90
	64-QAM	1745.0	-2.60	1 / 49	22.63	20.03	0.101	30.00	-9.97
	256-QAM	1775.0	-2.60	1 / 49	19.73	17.13	0.052	30.00	-12.87
15 MHz	QPSK	1717.5	-2.60	1 / 0	24.54	21.94	0.156	30.00	-8.06
		1745.0	-2.60	1 / 0	24.69	22.09	0.162	30.00	-7.91
		1772.5	-2.60	1 / 0	24.58	21.98	0.158	30.00	-8.02
	16-QAM	1745.0	-2.60	1 / 74	23.78	21.18	0.131	30.00	-8.82
	64-QAM	1745.0	-2.60	1 / 0	22.77	20.17	0.104	30.00	-9.83
	256-QAM	1717.5	-2.60	1 / 74	19.81	17.21	0.053	30.00	-12.79
20 MHz	QPSK	1720.0	-2.60	1 / 0	24.69	22.09	0.162	30.00	-7.91
		1745.0	-2.60	1 / 99	24.66	22.06	0.161	30.00	-7.94
		1770.0	-2.60	1 / 0	24.62	22.02	0.159	30.00	-7.98
	16-QAM	1720.0	-2.60	1 / 99	23.55	20.95	0.124	30.00	-9.05
	64-QAM	1720.0	-2.60	1 / 0	22.59	19.99	0.100	30.00	-10.01
	256-QAM	1720.0	-2.60	1 / 0	19.76	17.16	0.052	30.00	-12.84

Table 7-19. Antenna 3b EIRP Data (LTE Band 4)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		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	$\pi/2$ BPSK	1712.5	-2.60	1 / 1	24.67	22.07	0.161	30.00	-7.93
		1745.0	-2.60	1 / 23	24.60	22.00	0.158	30.00	-8.00
		1777.5	-2.60	1 / 23	24.66	22.06	0.161	30.00	-7.94
	QPSK	1712.5	-2.60	1 / 1	24.58	21.98	0.158	30.00	-8.02
		1745.0	-2.60	1 / 23	24.70	22.10	0.162	30.00	-7.90
		1777.5	-2.60	1 / 12	24.46	21.86	0.153	30.00	-8.14
	16-QAM	1745.0	-2.60	1 / 12	23.68	21.08	0.128	30.00	-8.92
	64-QAM	1777.5	-2.60	1 / 23	22.66	20.06	0.101	30.00	-9.94
10 MHz	$\pi/2$ BPSK	1715.0	-2.60	1 / 25	24.70	22.10	0.162	30.00	-7.90
		1745.0	-2.60	1 / 25	24.57	21.97	0.157	30.00	-8.03
		1775.0	-2.60	1 / 25	24.58	21.98	0.158	30.00	-8.02
	QPSK	1715.0	-2.60	1 / 1	24.64	22.04	0.160	30.00	-7.96
		1745.0	-2.60	1 / 50	24.70	22.10	0.162	30.00	-7.90
		1775.0	-2.60	1 / 25	24.56	21.96	0.157	30.00	-8.04
	16-QAM	1715.0	-2.60	1 / 50	23.69	21.09	0.129	30.00	-8.91
	64-QAM	1715.0	-2.60	1 / 25	22.68	20.08	0.102	30.00	-9.92
15 MHz	$\pi/2$ BPSK	1715.0	-2.60	1 / 25	19.65	17.05	0.051	30.00	-12.95
		1745.0	-2.60	1 / 25	19.65	17.05	0.051	30.00	-12.95
		1775.0	-2.60	1 / 25	19.65	17.05	0.051	30.00	-12.95
	QPSK	1715.0	-2.60	1 / 1	24.64	22.04	0.160	30.00	-7.96
		1745.0	-2.60	1 / 50	24.70	22.10	0.162	30.00	-7.90
		1775.0	-2.60	1 / 25	24.56	21.96	0.157	30.00	-8.04
	16-QAM	1715.0	-2.60	1 / 50	23.69	21.09	0.129	30.00	-8.91
	64-QAM	1715.0	-2.60	1 / 25	22.68	20.08	0.102	30.00	-9.92
20 MHz	$\pi/2$ BPSK	1715.0	-2.60	1 / 25	19.65	17.05	0.051	30.00	-12.95
		1745.0	-2.60	1 / 25	19.65	17.05	0.051	30.00	-12.95
		1775.0	-2.60	1 / 25	19.65	17.05	0.051	30.00	-12.95
	QPSK	1715.0	-2.60	1 / 1	24.64	22.04	0.160	30.00	-7.96
		1745.0	-2.60	1 / 50	24.70	22.10	0.162	30.00	-7.90
		1775.0	-2.60	1 / 25	24.56	21.96	0.157	30.00	-8.04
	16-QAM	1715.0	-2.60	1 / 50	23.69	21.09	0.129	30.00	-8.91
	64-QAM	1715.0	-2.60	1 / 25	22.68	20.08	0.102	30.00	-9.92
25 MHz	$\pi/2$ BPSK	1715.0	-2.60	1 / 25	19.65	17.05	0.051	30.00	-12.95
		1745.0	-2.60	1 / 25	19.65	17.05	0.051	30.00	-12.95
		1775.0	-2.60	1 / 25	19.65	17.05	0.051	30.00	-12.95
	QPSK	1715.0	-2.60	1 / 1	24.64	22.04	0.160	30.00	-7.96
		1745.0	-2.60	1 / 50	24.70	22.10	0.162	30.00	-7.90
		1775.0	-2.60	1 / 25	24.56	21.96	0.157	30.00	-8.04
	16-QAM	1715.0	-2.60	1 / 50	23.69	21.09	0.129	30.00	-8.91
	64-QAM	1715.0	-2.60	1 / 25	22.68	20.08	0.102	30.00	-9.92
30 MHz	$\pi/2$ BPSK	1715.0	-2.60	1 / 25	19.65	17.05	0.051	30.00	-12.95
		1745.0	-2.60	1 / 25	19.65	17.05	0.051	30.00	-12.95
		1775.0	-2.60	1 / 25	19.65	17.05	0.051	30.00	-12.95
	QPSK	1715.0	-2.60	1 / 1	24.64	22.04	0.160	30.00	-7.96
		1745.0	-2.60	1 / 50	24.70	22.10	0.162	30.00	-7.90
		1775.0	-2.60	1 / 25	24.56	21.96	0.157	30.00	-8.04
	16-QAM	1715.0	-2.60	1 / 50	23.69	21.09	0.129	30.00	-8.91
	64-QAM	1715.0	-2.60	1 / 25	22.68	20.08	0.102	30.00	-9.92
35 MHz	$\pi/2$ BPSK	1715.0	-2.60	1 / 25	19.65	17.05	0.051	30.00	-12.95
		1745.0	-2.60	1 / 25	19.65	17.05	0.051	30.00	-12.95
		1775.0	-2.60	1 / 25	19.65	17.05	0.051	30.00	-12.95
	QPSK	1715.0	-2.60	1 / 1	24.64	22.04	0.160	30.00	-7.96
		1745.0	-2.60	1 / 50	24.70	22.10	0.162	30.00	-7.90
		1775.0	-2.60	1 / 25	24.56	21.96	0.157	30.00	-8.04
	16-QAM	1715.0	-2.60	1 / 50	23.69	21.09	0.129	30.00	-8.91
	64-QAM	1715.0	-2.60	1 / 25	22.68	20.08	0.102	30.00	-9.92
40 MHz	$\pi/2$ BPSK	1715.0	-2.60	1 / 25	19.65	17.05	0.051	30.00	-12.95
		1745.0	-2.60	1 / 25	19.65	17.05	0.051	30.00	-12.95
		1775.0	-2.60	1 / 25	19.65	17.05	0.051	30.00	-12.95
	QPSK	1715.0	-2.60	1 / 1	24.64	22.04	0.160	30.00	-7.96
		1745.0	-2.60	1 / 50	24.70	22.10	0.162	30.00	-7.90
		1775.0	-2.60	1 / 25	24.56	21.96	0.157	30.00	-8.04
	16-QAM	1715.0	-2.60	1 / 50	23.69	21.09	0.129	30.00	-8.91
	64-QAM	1715.0	-2.60	1 / 25	22.68	20.08	0.102	30.00	-9.92

Table 7-20. Antenna 3b EIRP Data (NR Band n66)

FCC ID: BCGA3269		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	$\pi/2$ BPSK	1697.5	-5.10	1 / 12	24.34	19.24	0.084	30.00	-10.76
		1702.5	-5.10	1 / 1	24.67	19.57	0.091	30.00	-10.43
		1707.5	-5.10	1 / 12	24.70	19.60	0.091	30.00	-10.40
	QPSK	1697.5	-5.10	1 / 12	24.64	19.54	0.090	30.00	-10.46
		1702.5	-5.10	1 / 23	24.62	19.52	0.090	30.00	-10.48
		1707.5	-5.10	1 / 1	24.60	19.50	0.089	30.00	-10.50
	16-QAM	1702.5	-5.10	1 / 12	23.41	18.31	0.068	30.00	-11.69
	64-QAM	1702.5	-5.10	1 / 1	22.73	17.63	0.058	30.00	-12.37
	256-QAM	1702.5	-5.10	1 / 23	19.76	14.66	0.029	30.00	-15.34
10 MHz	$\pi/2$ BPSK	1700.0	-5.10	1 / 1	24.66	19.56	0.090	30.00	-10.44
		1702.5	-5.10	1 / 50	24.58	19.48	0.089	30.00	-10.52
		1705.0	-5.10	1 / 25	24.53	19.43	0.088	30.00	-10.57
	QPSK	1700.0	-5.10	1 / 50	24.53	19.43	0.088	30.00	-10.57
		1702.5	-5.10	1 / 25	24.61	19.51	0.089	30.00	-10.49
		1705.0	-5.10	1 / 50	24.70	19.60	0.091	30.00	-10.40
	16-QAM	1705.0	-5.10	1 / 50	23.70	18.60	0.072	30.00	-11.40
	64-QAM	1702.5	-5.10	1 / 50	22.78	17.68	0.059	30.00	-12.32
15 MHz	256-QAM	1702.5	-5.10	1 / 50	19.92	14.82	0.030	30.00	-15.18
	$\pi/2$ BPSK	1702.5	-5.10	1 / 36	24.53	19.43	0.088	30.00	-10.57
	QPSK	1702.5	-5.10	1 / 1	24.67	19.57	0.091	30.00	-10.43
	16-QAM	1702.5	-5.10	1 / 36	23.39	18.29	0.067	30.00	-11.71
	64-QAM	1702.5	-5.10	1 / 77	22.60	17.50	0.056	30.00	-12.50
	256-QAM	1702.5	-5.10	1 / 1	19.81	14.71	0.030	30.00	-15.29

Table 7-21. Antenna 3b EIRP Data (NR Band n70)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		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	24.70	-2.60	22.10	0.162	30.00	-7.90
1732.60	WCDMA1700	24.64	-2.60	22.04	0.160	30.00	-7.96
1752.60	WCDMA1700	24.68	-2.60	22.08	0.161	30.00	-7.92

Table 7-22. Antenna 3b EIRP Data (WCDMA AWS)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.6.4 Antenna 2 – EIRP/ERP

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	25.18	26.88	0.488	30.00	-3.12
		1732.5	1.70	1 / 0	25.15	26.85	0.484	30.00	-3.15
		1754.3	1.70	1 / 0	25.20	26.90	0.490	30.00	-3.10
	16-QAM	1710.7	1.70	1 / 3	24.20	25.90	0.389	30.00	-4.10
	64-QAM	1710.7	1.70	1 / 0	22.98	24.68	0.294	30.00	-5.32
	256-QAM	1754.3	1.70	1 / 0	20.27	21.97	0.157	30.00	-8.03
3 MHz	QPSK	1711.5	1.70	1 / 14	25.02	26.72	0.470	30.00	-3.28
		1732.5	1.70	1 / 7	25.15	26.85	0.484	30.00	-3.15
		1753.5	1.70	1 / 14	25.13	26.83	0.482	30.00	-3.17
	16-QAM	1753.5	1.70	1 / 0	24.22	25.92	0.391	30.00	-4.08
	64-QAM	1753.5	1.70	1 / 0	23.13	24.83	0.304	30.00	-5.17
	256-QAM	1711.5	1.70	1 / 0	20.29	21.99	0.158	30.00	-8.01
5 MHz	QPSK	1712.5	1.70	1 / 24	24.94	26.64	0.461	30.00	-3.36
		1732.5	1.70	1 / 12	25.18	26.88	0.488	30.00	-3.12
		1752.5	1.70	1 / 0	24.89	26.59	0.456	30.00	-3.41
	16-QAM	1732.5	1.70	1 / 12	24.19	25.89	0.388	30.00	-4.11
	64-QAM	1712.5	1.70	1 / 0	23.17	24.87	0.307	30.00	-5.13
	256-QAM	1732.5	1.70	1 / 0	20.29	21.99	0.158	30.00	-8.01
10 MHz	QPSK	1715.0	1.70	1 / 25	25.19	26.89	0.489	30.00	-3.11
		1732.5	1.70	1 / 25	25.20	26.90	0.490	30.00	-3.10
		1750.0	1.70	1 / 0	25.19	26.89	0.489	30.00	-3.11
	16-QAM	1732.5	1.70	1 / 0	24.21	25.91	0.390	30.00	-4.09
	64-QAM	1750.0	1.70	1 / 25	23.17	24.87	0.307	30.00	-5.13
	256-QAM	1715.0	1.70	1 / 0	20.20	21.90	0.155	30.00	-8.10
15 MHz	QPSK	1717.5	1.70	1 / 0	25.20	26.90	0.490	30.00	-3.10
		1732.5	1.70	1 / 0	24.99	26.69	0.467	30.00	-3.31
		1747.5	1.70	1 / 37	25.05	26.75	0.473	30.00	-3.25
	16-QAM	1717.5	1.70	1 / 0	24.17	25.87	0.386	30.00	-4.13
	64-QAM	1747.5	1.70	1 / 37	23.10	24.80	0.302	30.00	-5.20
	256-QAM	1717.5	1.70	1 / 0	20.30	22.00	0.158	30.00	-8.00
20 MHz	QPSK	1720.0	1.70	1 / 0	25.12	26.82	0.481	30.00	-3.18
		1732.5	1.70	1 / 0	25.13	26.83	0.482	30.00	-3.17
		1745.0	1.70	1 / 50	25.20	26.90	0.490	30.00	-3.10
	16-QAM	1745.0	1.70	1 / 50	24.18	25.88	0.387	30.00	-4.12
	64-QAM	1732.5	1.70	1 / 0	23.06	24.76	0.299	30.00	-5.24
	256-QAM	1745.0	1.70	1 / 99	20.24	21.94	0.156	30.00	-8.06

Table 7-23. Antenna 2 EIRP Data (LTE Band 66)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		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	25.20	26.90	0.490	30.00	-3.10
		1745.0	1.70	1 / 5	24.99	26.69	0.467	30.00	-3.31
		1779.3	1.70	1 / 0	25.10	26.80	0.479	30.00	-3.20
	16-QAM	1745.0	1.70	1 / 5	24.10	25.80	0.380	30.00	-4.20
	64-QAM	1779.3	1.70	1 / 3	23.16	24.86	0.306	30.00	-5.14
	256-QAM	1710.7	1.70	1 / 0	20.24	21.94	0.156	30.00	-8.06
3 MHz	QPSK	1711.5	1.70	1 / 7	24.99	26.69	0.467	30.00	-3.31
		1745.0	1.70	1 / 0	25.10	26.80	0.479	30.00	-3.20
		1778.5	1.70	1 / 0	25.14	26.84	0.483	30.00	-3.16
	16-QAM	1778.5	1.70	1 / 0	24.20	25.90	0.389	30.00	-4.10
	64-QAM	1711.5	1.70	1 / 7	23.20	24.90	0.309	30.00	-5.10
	256-QAM	1745.0	1.70	1 / 7	20.30	22.00	0.158	30.00	-8.00
5 MHz	QPSK	1712.5	1.70	1 / 12	25.20	26.90	0.490	30.00	-3.10
		1745.0	1.70	1 / 0	25.16	26.86	0.485	30.00	-3.14
		1777.5	1.70	1 / 0	25.12	26.82	0.481	30.00	-3.18
	16-QAM	1745.0	1.70	1 / 24	24.17	25.87	0.386	30.00	-4.13
	64-QAM	1777.5	1.70	1 / 24	23.13	24.83	0.304	30.00	-5.17
	256-QAM	1745.0	1.70	1 / 0	20.31	22.01	0.159	30.00	-7.99
10 MHz	QPSK	1715.0	1.70	1 / 25	25.02	26.72	0.470	30.00	-3.28
		1745.0	1.70	1 / 0	25.14	26.84	0.483	30.00	-3.16
		1775.0	1.70	1 / 25	25.20	26.90	0.490	30.00	-3.10
	16-QAM	1775.0	1.70	1 / 25	24.07	25.77	0.378	30.00	-4.23
	64-QAM	1775.0	1.70	1 / 25	23.17	24.87	0.307	30.00	-5.13
	256-QAM	1715.0	1.70	1 / 49	20.32	22.02	0.159	30.00	-7.98
15 MHz	QPSK	1717.5	1.70	1 / 37	25.07	26.77	0.475	30.00	-3.23
		1745.0	1.70	1 / 37	25.15	26.85	0.484	30.00	-3.15
		1772.5	1.70	1 / 74	25.15	26.85	0.484	30.00	-3.15
	16-QAM	1772.5	1.70	1 / 37	24.16	25.86	0.385	30.00	-4.14
	64-QAM	1772.5	1.70	1 / 37	23.21	24.91	0.310	30.00	-5.09
	256-QAM	1772.5	1.70	1 / 74	20.26	21.96	0.157	30.00	-8.04
20 MHz	QPSK	1720.0	1.70	1 / 0	25.08	26.78	0.476	30.00	-3.22
		1745.0	1.70	1 / 0	25.14	26.84	0.483	30.00	-3.16
		1770.0	1.70	1 / 0	25.05	26.75	0.473	30.00	-3.25
	16-QAM	1745.0	1.70	1 / 0	24.16	25.86	0.385	30.00	-4.14
	64-QAM	1770.0	1.70	1 / 50	23.17	24.87	0.307	30.00	-5.13
	256-QAM	1770.0	1.70	1 / 50	20.27	21.97	0.157	30.00	-8.03

Table 7-24. Antenna 2 EIRP Data (LTE Band 4)

FCC ID: BCGA3269	 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	-1.70	1 / 24	24.70	20.85	0.122	34.77	-13.92
		680.5	-1.70	1 / 0	24.38	20.53	0.113	34.77	-14.24
		695.5	-1.70	1 / 24	24.55	20.70	0.117	34.77	-14.07
	16-QAM	695.5	-1.70	1 / 0	23.70	19.85	0.097	34.77	-14.92
	64-QAM	680.5	-1.70	1 / 24	22.68	18.83	0.076	34.77	-15.94
	256-QAM	695.5	-1.70	1 / 24	19.76	15.91	0.039	34.77	-18.86
10 MHz	QPSK	668.0	-1.70	1 / 49	24.59	20.74	0.119	34.77	-14.03
		680.5	-1.70	1 / 0	24.43	20.58	0.114	34.77	-14.19
		693.0	-1.70	1 / 0	24.26	20.41	0.110	34.77	-14.36
	16-QAM	680.5	-1.70	1 / 25	23.70	19.85	0.097	34.77	-14.92
	64-QAM	680.5	-1.70	1 / 25	22.62	18.77	0.075	34.77	-16.00
	256-QAM	668.0	-1.70	1 / 0	19.79	15.94	0.039	34.77	-18.83
15 MHz	QPSK	670.5	-1.70	1 / 74	24.70	20.85	0.122	34.77	-13.92
		680.5	-1.70	1 / 0	24.70	20.85	0.122	34.77	-13.92
		690.5	-1.70	1 / 0	24.47	20.62	0.115	34.77	-14.15
	16-QAM	680.5	-1.70	1 / 0	23.75	19.90	0.098	34.77	-14.87
	64-QAM	670.5	-1.70	1 / 74	22.70	18.85	0.077	34.77	-15.92
	256-QAM	680.5	-1.70	1 / 74	19.87	16.02	0.040	34.77	-18.75
20 MHz	QPSK	673.0	-1.70	1 / 50	24.70	20.85	0.122	34.77	-13.92
		680.5	-1.70	1 / 99	24.53	20.68	0.117	34.77	-14.09
		688.0	-1.70	1 / 99	24.51	20.66	0.116	34.77	-14.11
	16-QAM	673.0	-1.70	1 / 50	23.70	19.85	0.097	34.77	-14.92
	64-QAM	688.0	-1.70	1 / 50	22.70	18.85	0.077	34.77	-15.92
	256-QAM	688.0	-1.70	1 / 50	19.80	15.95	0.039	34.77	-18.82

Table 7-25. Antenna 2 ERP Data (LTE Band 71)

FCC ID: BCGA3269	 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	6 / 0	23.92	20.17	0.104	34.77	-14.60
		707.5	-1.60	6 / 0	24.15	20.40	0.110	34.77	-14.37
		715.3	-1.60	6 / 0	23.70	19.95	0.099	34.77	-14.82
	16-QAM	715.3	-1.60	6 / 0	22.92	19.17	0.083	34.77	-15.60
	64-QAM	707.5	-1.60	6 / 0	21.80	18.05	0.064	34.77	-16.72
	256-QAM	715.3	-1.60	6 / 0	19.24	15.49	0.035	34.77	-19.28
3 MHz	QPSK	700.5	-1.60	1 / 7	24.48	20.73	0.118	34.77	-14.04
		707.5	-1.60	1 / 14	24.70	20.95	0.124	34.77	-13.82
		714.5	-1.60	1 / 7	24.60	20.85	0.122	34.77	-13.92
	16-QAM	700.5	-1.60	1 / 14	23.74	19.99	0.100	34.77	-14.78
	64-QAM	714.5	-1.60	1 / 0	22.74	18.99	0.079	34.77	-15.78
	256-QAM	707.5	-1.60	1 / 0	19.79	16.04	0.040	34.77	-18.73
5 MHz	QPSK	701.5	-1.60	1 / 0	24.69	20.94	0.124	34.77	-13.83
		707.5	-1.60	1 / 0	24.66	20.91	0.123	34.77	-13.86
		713.5	-1.60	1 / 24	24.62	20.87	0.122	34.77	-13.90
	16-QAM	713.5	-1.60	1 / 12	23.70	19.95	0.099	34.77	-14.82
	64-QAM	713.5	-1.60	1 / 24	22.67	18.92	0.078	34.77	-15.85
	256-QAM	713.5	-1.60	1 / 24	19.79	16.04	0.040	34.77	-18.73
10 MHz	QPSK	704.0	-1.60	1 / 49	24.49	20.74	0.119	34.77	-14.03
		707.5	-1.60	1 / 49	24.70	20.95	0.124	34.77	-13.82
		711.0	-1.60	1 / 49	24.70	20.95	0.124	34.77	-13.82
	16-QAM	711.0	-1.60	1 / 49	23.61	19.86	0.097	34.77	-14.91
	64-QAM	711.0	-1.60	1 / 0	22.67	18.92	0.078	34.77	-15.85
	256-QAM	704.0	-1.60	1 / 0	19.77	16.02	0.040	34.77	-18.75

Table 7-26. Antenna 2 ERP Data (LTE Band 12)

FCC ID: BCGA3269	 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 / 24	24.44	20.69	0.117	34.77	-14.08
		710.0	-1.60	1 / 12	24.60	20.85	0.122	34.77	-13.92
		713.5	-1.60	1 / 12	24.70	20.95	0.124	34.77	-13.82
	16-QAM	706.5	-1.60	1 / 12	23.69	19.94	0.099	34.77	-14.83
	64-QAM	710.0	-1.60	1 / 0	22.69	18.94	0.078	34.77	-15.83
	256-QAM	710.0	-1.60	1 / 24	19.79	16.04	0.040	34.77	-18.73
10 MHz	QPSK	709.0	-1.60	1 / 49	24.37	20.62	0.115	34.77	-14.15
		710.0	-1.60	1 / 49	24.45	20.70	0.117	34.77	-14.07
		711.0	-1.60	1 / 25	24.64	20.89	0.123	34.77	-13.88
	16-QAM	709.0	-1.60	1 / 0	23.72	19.97	0.099	34.77	-14.80
	64-QAM	709.0	-1.60	1 / 0	22.67	18.92	0.078	34.77	-15.85
	256-QAM	711.0	-1.60	1 / 49	19.74	15.99	0.040	34.77	-18.78

Table 7-27. Antenna 2 ERP Data (LTE Band 17)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		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]
5 MHz	QPSK	779.5	-2.20	1 / 12	24.63	20.28	0.107	34.77	-14.49
		782.0	-2.20	1 / 0	24.70	20.35	0.108	34.77	-14.42
		784.5	-2.20	1 / 12	24.45	20.10	0.102	34.77	-14.67
	16-QAM	782.0	-2.20	1 / 24	23.67	19.32	0.086	34.77	-15.45
	64-QAM	782.0	-2.20	1 / 12	22.68	18.33	0.068	34.77	-16.44
10 MHz	256-QAM	779.5	-2.20	1 / 0	19.76	15.41	0.035	34.77	-19.36
	QPSK	782.0	-2.20	1 / 0	24.56	20.21	0.105	34.77	-14.56
	16-QAM	782.0	-2.20	1 / 0	23.70	19.35	0.086	34.77	-15.42
	64-QAM	782.0	-2.20	1 / 49	22.69	18.34	0.068	34.77	-16.43
	256-QAM	782.0	-2.20	1 / 25	19.75	15.40	0.035	34.77	-19.37

Table 7-28. Antenna 2 ERP Data (LTE Band 13)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		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	$\pi/2$ BPSK	1712.5	1.70	1 / 1	25.20	26.90	0.490	30.00	-3.10
		1745.0	1.70	1 / 23	25.07	26.77	0.475	30.00	-3.23
		1777.5	1.70	1 / 23	25.15	26.85	0.484	30.00	-3.15
	QPSK	1712.5	1.70	1 / 1	25.04	26.74	0.472	30.00	-3.26
		1745.0	1.70	1 / 23	24.97	26.67	0.465	30.00	-3.33
		1777.5	1.70	1 / 23	25.16	26.86	0.485	30.00	-3.14
	16-QAM	1745.0	1.70	1 / 12	24.24	25.94	0.393	30.00	-4.06
	64-QAM	1745.0	1.70	1 / 23	23.22	24.92	0.310	30.00	-5.08
10 MHz	$\pi/2$ BPSK	1715.0	1.70	1 / 25	25.18	26.88	0.488	30.00	-3.12
		1745.0	1.70	1 / 50	25.09	26.79	0.478	30.00	-3.21
		1775.0	1.70	1 / 1	25.11	26.81	0.480	30.00	-3.19
	QPSK	1715.0	1.70	1 / 50	25.20	26.90	0.490	30.00	-3.10
		1745.0	1.70	1 / 25	25.02	26.72	0.470	30.00	-3.28
		1775.0	1.70	1 / 25	25.19	26.89	0.489	30.00	-3.11
	16-QAM	1715.0	1.70	1 / 25	24.19	25.89	0.388	30.00	-4.11
	64-QAM	1745.0	1.70	1 / 1	23.21	24.91	0.310	30.00	-5.09
15 MHz	$\pi/2$ BPSK	1715.0	1.70	1 / 50	20.32	22.02	0.159	30.00	-7.98
		1715.0	1.70	1 / 50	20.32	22.02	0.159	30.00	-7.98
		1715.0	1.70	1 / 50	20.32	22.02	0.159	30.00	-7.98
	QPSK	1715.0	1.70	1 / 50	20.32	22.02	0.159	30.00	-7.98
		1715.0	1.70	1 / 50	20.32	22.02	0.159	30.00	-7.98
		1715.0	1.70	1 / 50	20.32	22.02	0.159	30.00	-7.98
	16-QAM	1715.0	1.70	1 / 50	20.32	22.02	0.159	30.00	-7.98
	64-QAM	1715.0	1.70	1 / 50	20.32	22.02	0.159	30.00	-7.98
20 MHz	$\pi/2$ BPSK	1717.5	1.70	1 / 36	25.20	26.90	0.490	30.00	-3.10
		1745.0	1.70	1 / 1	25.11	26.81	0.480	30.00	-3.19
		1772.5	1.70	1 / 36	25.08	26.78	0.476	30.00	-3.22
	QPSK	1717.5	1.70	1 / 77	25.05	26.75	0.473	30.00	-3.25
		1745.0	1.70	1 / 1	25.05	26.75	0.473	30.00	-3.25
		1772.5	1.70	1 / 36	25.13	26.83	0.482	30.00	-3.17
	16-QAM	1772.5	1.70	1 / 77	24.22	25.92	0.391	30.00	-4.08
	64-QAM	1745.0	1.70	1 / 77	23.23	24.93	0.311	30.00	-5.07
25 MHz	$\pi/2$ BPSK	1722.5	1.70	1 / 131	25.11	26.81	0.480	30.00	-3.19
		1745.0	1.70	1 / 1	25.20	26.90	0.490	30.00	-3.10
		1767.5	1.70	1 / 1	25.13	26.83	0.482	30.00	-3.17
	QPSK	1722.5	1.70	1 / 1	25.14	26.84	0.483	30.00	-3.16
		1745.0	1.70	1 / 1	25.06	26.76	0.474	30.00	-3.24
		1767.5	1.70	1 / 131	25.17	26.87	0.486	30.00	-3.13
	16-QAM	1767.5	1.70	1 / 64	24.18	25.88	0.387	30.00	-4.12
	64-QAM	1745.0	1.70	1 / 64	23.16	24.86	0.306	30.00	-5.14
30 MHz	$\pi/2$ BPSK	1722.5	1.70	1 / 64	20.28	21.98	0.158	30.00	-8.02
		1725.0	1.70	1 / 80	25.16	26.86	0.485	30.00	-3.14
		1745.0	1.70	1 / 80	24.93	26.63	0.460	30.00	-3.37
	QPSK	1765.0	1.70	1 / 158	24.97	26.67	0.465	30.00	-3.33
		1725.0	1.70	1 / 80	24.98	26.68	0.466	30.00	-3.32
		1745.0	1.70	1 / 80	25.20	26.90	0.490	30.00	-3.10
	16-QAM	1765.0	1.70	1 / 158	24.87	26.57	0.454	30.00	-3.43
	64-QAM	1745.0	1.70	1 / 80	24.20	25.90	0.389	30.00	-4.10
35 MHz	$\pi/2$ BPSK	1725.0	1.70	1 / 1	23.21	24.91	0.310	30.00	-5.09
		1725.0	1.70	1 / 1	23.21	24.91	0.310	30.00	-5.09
		1725.0	1.70	1 / 1	23.21	24.91	0.310	30.00	-5.09
	QPSK	1725.0	1.70	1 / 1	23.21	24.91	0.310	30.00	-5.09
		1725.0	1.70	1 / 1	23.21	24.91	0.310	30.00	-5.09
		1725.0	1.70	1 / 1	23.21	24.91	0.310	30.00	-5.09
	16-QAM	1725.0	1.70	1 / 90	24.15	25.85	0.385	30.00	-4.15
	64-QAM	1725.0	1.70	1 / 90	23.23	24.93	0.311	30.00	-5.07
40 MHz	$\pi/2$ BPSK	1765.0	1.70	1 / 186	20.29	21.99	0.158	30.00	-8.01
		1765.0	1.70	1 / 186	20.29	21.99	0.158	30.00	-8.01
		1765.0	1.70	1 / 186	20.29	21.99	0.158	30.00	-8.01
	QPSK	1730.0	1.70	1 / 108	24.78	26.48	0.445	30.00	-3.52
		1745.0	1.70	1 / 108	25.20	26.90	0.490	30.00	-3.10
		1760.0	1.70	1 / 108	25.20	26.90	0.490	30.00	-3.10
	16-QAM	1730.0	1.70	1 / 108	24.17	25.87	0.386	30.00	-4.13
	64-QAM	1760.0	1.70	1 / 1	23.15	24.85	0.305	30.00	-5.15
45 MHz	$\pi/2$ BPSK	1730.0	1.70	1 / 108	20.27	21.97	0.157	30.00	-8.03
		1730.0	1.70	1 / 108	20.27	21.97	0.157	30.00	-8.03
		1730.0	1.70	1 / 108	20.27	21.97	0.157	30.00	-8.03
	QPSK	1730.0	1.70	1 / 108	20.27	21.97	0.157	30.00	-8.03
		1730.0	1.70	1 / 108	20.27	21.97	0.157	30.00	-8.03
		1730.0	1.70	1 / 108	20.27	21.97	0.157	30.00	-8.03
	16-QAM	1730.0	1.70	1 / 108	20.27	21.97	0.157	30.00	-8.03
	64-QAM	1730.0	1.70	1 / 108	20.27	21.97	0.157	30.00	-8.03

Table 7-29. Antenna 2 EIRP Data (NR Band n66)

FCC ID: BCGA3269	 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	$\pi/2$ BPSK	1697.5	-1.80	1 / 23	25.18	23.38	0.218	30.00	-6.62
		1702.5	-1.80	1 / 23	25.02	23.22	0.210	30.00	-6.78
		1707.5	-1.80	1 / 12	25.18	23.38	0.218	30.00	-6.62
	QPSK	1697.5	-1.80	1 / 23	25.17	23.37	0.217	30.00	-6.63
		1702.5	-1.80	1 / 23	25.04	23.24	0.211	30.00	-6.76
		1707.5	-1.80	1 / 1	25.20	23.40	0.219	30.00	-6.60
	16-QAM	1707.5	-1.80	1 / 23	24.20	22.40	0.174	30.00	-7.60
	64-QAM	1702.5	-1.80	1 / 23	23.22	21.42	0.139	30.00	-8.58
	256-QAM	1707.5	-1.80	1 / 23	20.33	18.53	0.071	30.00	-11.47
10 MHz	$\pi/2$ BPSK	1700.0	-1.80	1 / 1	25.17	23.37	0.217	30.00	-6.63
		1702.5	-1.80	1 / 50	25.20	23.40	0.219	30.00	-6.60
		1705.0	-1.80	1 / 25	24.90	23.10	0.204	30.00	-6.90
	QPSK	1700.0	-1.80	1 / 1	25.06	23.26	0.212	30.00	-6.74
		1702.5	-1.80	1 / 25	25.10	23.30	0.214	30.00	-6.70
		1705.0	-1.80	1 / 50	24.98	23.18	0.208	30.00	-6.82
	16-QAM	1700.0	-1.80	1 / 50	23.97	22.17	0.165	30.00	-7.83
	64-QAM	1705.0	-1.80	1 / 1	23.16	21.36	0.137	30.00	-8.64
	256-QAM	1705.0	-1.80	1 / 50	20.28	18.48	0.070	30.00	-11.52
15 MHz	$\pi/2$ BPSK	1702.5	-1.80	1 / 36	25.03	23.23	0.210	30.00	-6.77
	QPSK	1702.5	-1.80	1 / 77	25.15	23.35	0.216	30.00	-6.65
	16-QAM	1702.5	-1.80	1 / 36	24.16	22.36	0.172	30.00	-7.64
	64-QAM	1702.5	-1.80	1 / 1	23.22	21.42	0.139	30.00	-8.58
	256-QAM	1702.5	-1.80	1 / 1	20.37	18.57	0.072	30.00	-11.43

Table 7-30. Antenna 2 EIRP Data (NR Band n70)

FCC ID: BCGA3269	 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	$\pi/2$ BPSK	665.5	-1.70	1 / 12	24.65	20.80	0.120	34.77	-13.97
		680.5	-1.70	1 / 1	24.56	20.71	0.118	34.77	-14.06
		695.5	-1.70	1 / 23	24.70	20.85	0.122	34.77	-13.92
	QPSK	665.5	-1.70	1 / 12	24.41	20.56	0.114	34.77	-14.21
		680.5	-1.70	1 / 12	24.70	20.85	0.122	34.77	-13.92
		695.5	-1.70	1 / 1	24.60	20.75	0.119	34.77	-14.02
	16-QAM	665.5	-1.70	1 / 12	23.61	19.76	0.095	34.77	-15.01
	64-QAM	695.5	-1.70	1 / 1	22.65	18.80	0.076	34.77	-15.97
	256-QAM	665.5	-1.70	1 / 12	19.81	15.96	0.039	34.77	-18.81
10 MHz	$\pi/2$ BPSK	668.0	-1.70	1 / 25	24.70	20.85	0.122	34.77	-13.92
		680.5	-1.70	1 / 25	24.66	20.81	0.121	34.77	-13.96
		693.0	-1.70	1 / 25	24.61	20.76	0.119	34.77	-14.01
	QPSK	668.0	-1.70	1 / 1	24.39	20.54	0.113	34.77	-14.23
		680.5	-1.70	1 / 1	24.60	20.75	0.119	34.77	-14.02
		693.0	-1.70	1 / 50	24.62	20.77	0.119	34.77	-14.00
	16-QAM	693.0	-1.70	1 / 25	23.73	19.88	0.097	34.77	-14.89
	64-QAM	693.0	-1.70	1 / 25	22.70	18.85	0.077	34.77	-15.92
	256-QAM	680.5	-1.70	1 / 50	19.82	15.97	0.040	34.77	-18.80
15 MHz	$\pi/2$ BPSK	670.5	-1.70	1 / 1	24.70	20.85	0.122	34.77	-13.92
		680.5	-1.70	1 / 77	24.67	20.82	0.121	34.77	-13.95
		690.5	-1.70	1 / 77	24.60	20.75	0.119	34.77	-14.02
	QPSK	670.5	-1.70	1 / 1	24.41	20.56	0.114	34.77	-14.21
		680.5	-1.70	1 / 36	24.40	20.55	0.114	34.77	-14.22
		690.5	-1.70	1 / 77	24.57	20.72	0.118	34.77	-14.05
	16-QAM	670.5	-1.70	1 / 36	23.72	19.87	0.097	34.77	-14.90
	64-QAM	690.5	-1.70	1 / 36	22.73	18.88	0.077	34.77	-15.89
	256-QAM	670.5	-1.70	1 / 36	19.85	16.00	0.040	34.77	-18.77
20 MHz	$\pi/2$ BPSK	673.0	-1.70	1 / 50	24.70	20.85	0.122	34.77	-13.92
		680.5	-1.70	1 / 1	24.66	20.81	0.121	34.77	-13.96
		688.0	-1.70	1 / 104	24.60	20.75	0.119	34.77	-14.02
	QPSK	673.0	-1.70	1 / 50	24.62	20.77	0.119	34.77	-14.00
		680.5	-1.70	1 / 50	24.70	20.85	0.122	34.77	-13.92
		688.0	-1.70	1 / 104	24.68	20.83	0.121	34.77	-13.94
	16-QAM	688.0	-1.70	1 / 104	23.68	19.83	0.096	34.77	-14.94
	64-QAM	680.5	-1.70	1 / 50	22.65	18.80	0.076	34.77	-15.97
	256-QAM	688.0	-1.70	1 / 50	19.80	15.95	0.039	34.77	-18.82

Table 7-31. Antenna 2 ERP Data (NR Band n71)

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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	$\pi/2$ BPSK	701.5	-1.60	1 / 12	24.45	20.70	0.117	34.77	-14.07
		707.5	-1.60	1 / 23	24.42	20.67	0.117	34.77	-14.10
		713.5	-1.60	1 / 23	24.66	20.91	0.123	34.77	-13.86
	QPSK	701.5	-1.60	1 / 12	24.64	20.89	0.123	34.77	-13.88
		707.5	-1.60	1 / 1	24.70	20.95	0.124	34.77	-13.82
		713.5	-1.60	1 / 1	24.56	20.81	0.121	34.77	-13.96
	16-QAM	707.5	-1.60	1 / 23	23.70	19.95	0.099	34.77	-14.82
	64-QAM	701.5	-1.60	1 / 23	22.67	18.92	0.078	34.77	-15.85
	256-QAM	707.5	-1.60	1 / 1	19.74	15.99	0.040	34.77	-18.78
10 MHz	$\pi/2$ BPSK	704.0	-1.60	1 / 1	24.64	20.89	0.123	34.77	-13.88
		707.5	-1.60	1 / 25	24.63	20.88	0.122	34.77	-13.89
		711.0	-1.60	1 / 25	24.63	20.88	0.122	34.77	-13.89
	QPSK	704.0	-1.60	1 / 50	24.62	20.87	0.122	34.77	-13.90
		707.5	-1.60	1 / 50	24.59	20.84	0.121	34.77	-13.93
		711.0	-1.60	1 / 50	24.70	20.95	0.124	34.77	-13.82
	16-QAM	707.5	-1.60	1 / 25	23.67	19.92	0.098	34.77	-14.85
	64-QAM	704.0	-1.60	1 / 1	22.68	18.93	0.078	34.77	-15.84
	256-QAM	711.0	-1.60	1 / 50	19.83	16.08	0.041	34.77	-18.69
15 MHz	$\pi/2$ BPSK	706.5	-1.60	1 / 77	24.70	20.95	0.124	34.77	-13.82
		707.5	-1.60	1 / 1	24.66	20.91	0.123	34.77	-13.86
		708.5	-1.60	1 / 77	24.49	20.74	0.119	34.77	-14.03
	QPSK	706.5	-1.60	1 / 36	24.61	20.86	0.122	34.77	-13.91
		707.5	-1.60	1 / 1	24.60	20.85	0.122	34.77	-13.92
		708.5	-1.60	1 / 1	24.50	20.75	0.119	34.77	-14.02
	16-QAM	706.5	-1.60	1 / 1	23.72	19.97	0.099	34.77	-14.80
	64-QAM	707.5	-1.60	1 / 1	22.73	18.98	0.079	34.77	-15.79
	256-QAM	708.5	-1.60	1 / 36	19.81	16.06	0.040	34.77	-18.71

Table 7-32. Antenna 2 ERP Data (NR Band n12)

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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	23.70	1.70	25.40	0.347	30.00	-4.60
1732.60	WCDMA1700	23.66	1.70	25.36	0.344	30.00	-4.64
1752.60	WCDMA1700	23.60	1.70	25.30	0.339	30.00	-4.70

Table 7-33. Antenna 2 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 $\geq 3 \times$ RBW
3. Span = 1.5 times the OBW
4. No. of sweep points $\geq 2 \times$ span / RBW
5. Detector = RMS
6. Trace mode = Average (Max Hold for pulsed emissions)
7. The trace was allowed to stabilize

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Test Setup

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

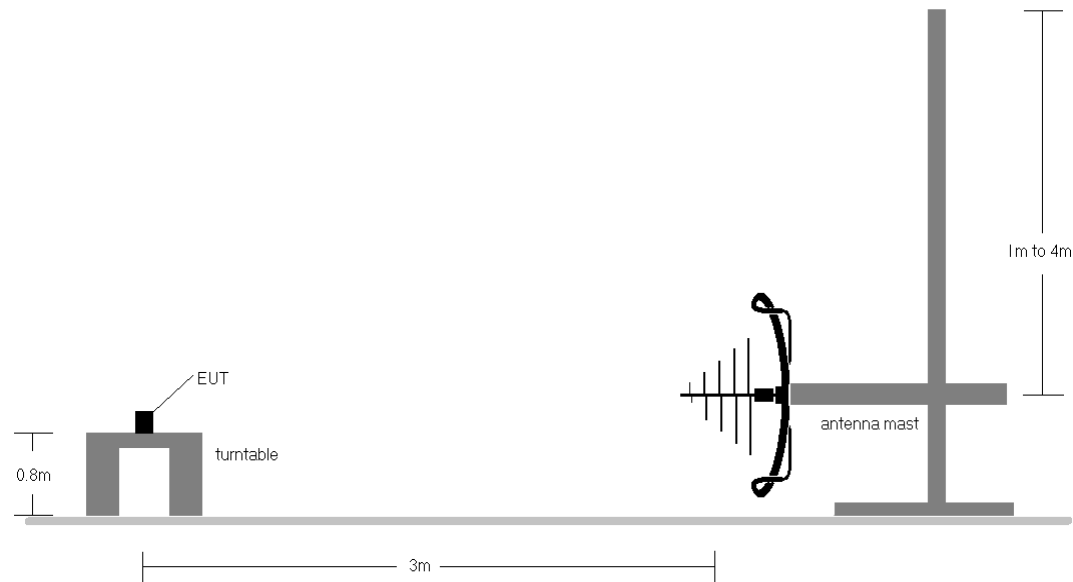


Figure 7-11. Test Instrument & Measurement Setup < 1GHz

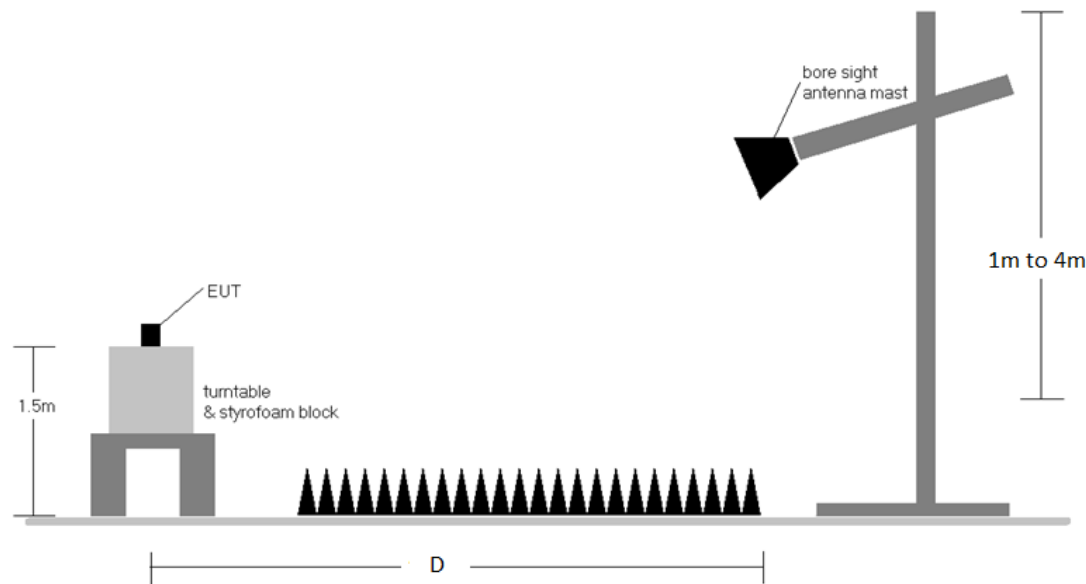


Figure 7-12. Test Instrument & Measurement Setup > 1GHz

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Test Notes

1. Field strengths are calculated using the Measurement quantity conversions in KDB 971168 D01 v03r01 Section 5.8.4.
 - a. $E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b. $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V/m}) + 20\log D - 104.8$; 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 4 – 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	V	-	-	-77.37	1.91	31.54	-63.72	-13.00	-50.72
5160.0	H	-	-	-79.78	5.40	32.62	-62.64	-13.00	-49.64
6880.0	V	-	-	-82.01	9.81	34.80	-60.45	-13.00	-47.45

Table 7-34. Antenna 4 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	-	-	-76.82	1.36	31.54	-63.72	-13.00	-50.72
5235.0	V	-	-	-79.00	5.18	33.18	-62.08	-13.00	-49.08
6980.0	V	-	-	-82.16	9.85	34.70	-60.56	-13.00	-47.56

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

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

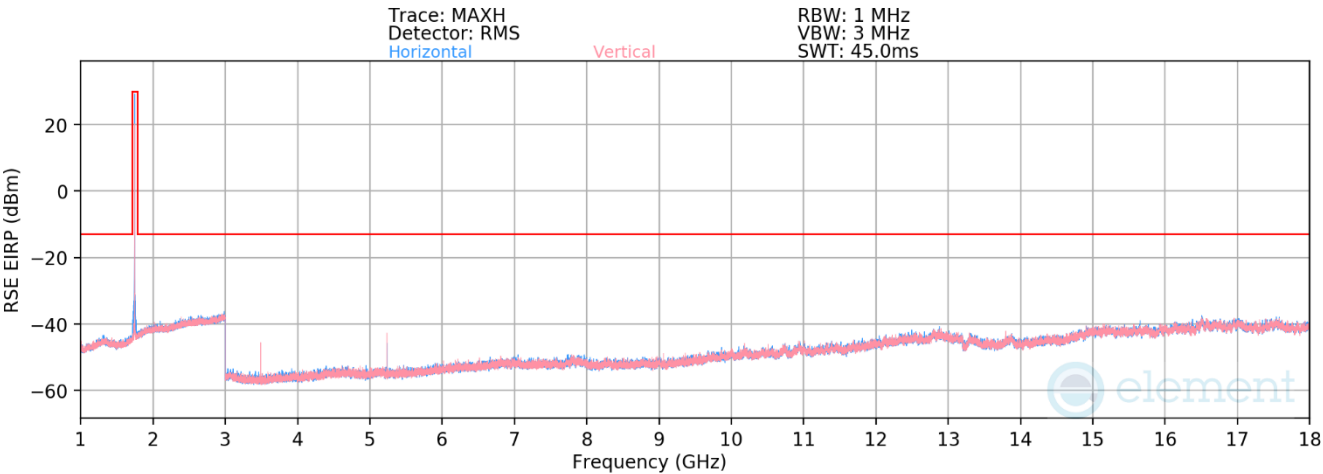
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3540.0	V	-	-	-77.17	2.49	32.33	-62.93	-13.00	-49.93
5310.0	V	-	-	-79.30	5.73	33.43	-61.83	-13.00	-48.83
7080.0	V	-	-	-81.59	9.18	34.59	-60.67	-13.00	-47.67

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

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NR Band n66



Plot 7-478. Antenna 4 Radiated Spurious Emission above 1GHz (NR Band n66)

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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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3460.0	V	221	344	-78.90	4.46	32.57	-62.69	-13.00	-49.69
5190.0	V	361	57	-76.19	8.10	38.91	-56.35	-13.00	-43.35
6920.0	V	-	-	-81.42	11.30	36.88	-58.38	-13.00	-45.38
8650.0	V	-	-	-81.50	11.72	37.22	-58.04	-13.00	-45.04
10380.0	H	-	-	-82.98	15.67	39.69	-55.57	-13.00	-42.57

Table 7-37. Antenna 4 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	V	285	16	-77.27	4.52	34.24	-61.01	-13.00	-48.01
5235.0	V	285	230	-45.91	8.24	69.33	-25.93	-13.00	-12.93
6980.0	H	-	-	-80.78	10.97	37.19	-58.06	-13.00	-45.06
8725.0	H	-	-	-81.70	12.10	37.40	-57.86	-13.00	-44.86
10470.0	V	-	-	-82.73	16.44	40.71	-54.54	-13.00	-41.54

Table 7-38. Antenna 4 Radiated Spurious Data (NR Band n66 – Mid Channel)

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

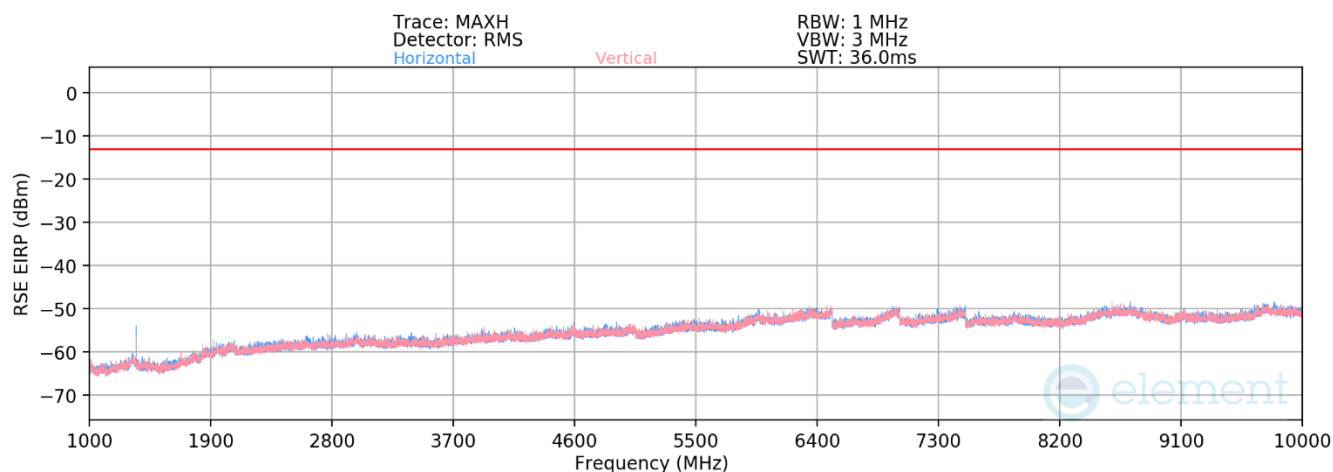
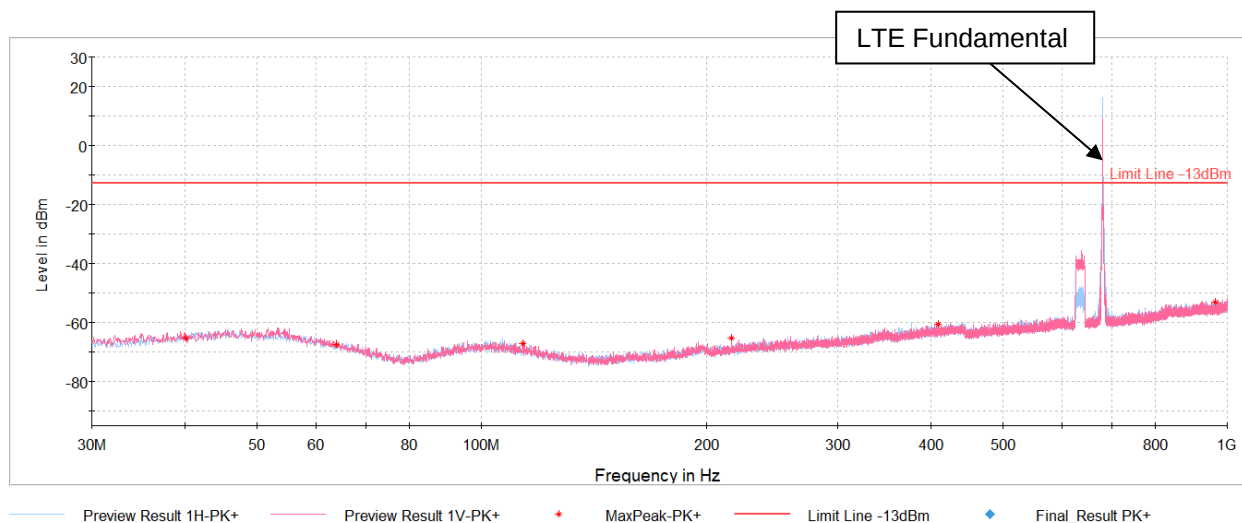
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3520.0	V	-	-	-79.40	4.76	32.36	-62.89	-13.00	-49.89
5280.0	V	235	179	-74.00	8.30	41.30	-53.95	-13.00	-40.95
7040.0	V	-	-	-81.22	11.31	37.09	-58.17	-13.00	-45.17
8800.0	V	-	-	-81.71	12.33	37.61	-57.64	-13.00	-44.64
10560.0	V	-	-	-83.22	16.66	40.44	-54.82	-13.00	-41.82

Table 7-39. Antenna 4 Radiated Spurious Data (NR Band n66 – High Channel)

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LTE Band 71



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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	265	316	-68.71	-2.04	36.25	-59.01	-13.00	-46.01
2019.0	V	-	-	-77.25	0.78	30.53	-64.72	-13.00	-51.72
2692.0	H	-	-	-78.05	2.02	30.98	-64.28	-13.00	-51.28
3365.0	H	-	-	-78.26	3.16	31.90	-63.36	-13.00	-50.36

Table 7-40. Antenna 4 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	119	316	-68.74	-2.62	35.64	-59.62	-13.00	-46.62
2041.5	H	232	143	-73.78	0.78	34.00	-61.26	-13.00	-48.26
2722.0	V	-	-	-77.76	1.98	31.21	-64.05	-13.00	-51.05
3402.5	V	-	-	-78.49	3.19	31.71	-63.55	-13.00	-50.55
4083.0	H	-	-	-78.44	4.34	32.89	-62.36	-13.00	-49.36

Table 7-41. Antenna 4 Radiated Spurious Data (LTE Band 71 – Mid Channel)

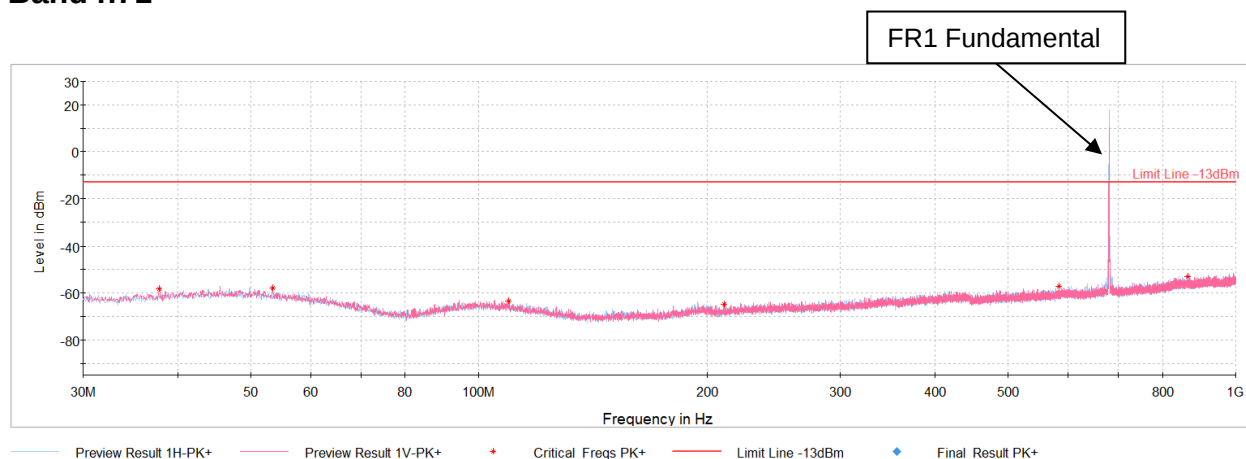
Bandwidth (MHz):	20
Frequency (MHz):	688.0
RB / Offset:	1 / 50

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	159	313	-69.35	-2.80	34.85	-60.41	-13.00	-47.41
2064.0	H	-	-	-77.15	0.78	30.63	-64.62	-13.00	-51.62
2752.0	H	-	-	-78.03	1.98	30.95	-64.31	-13.00	-51.31
3440.0	V	-	-	-78.42	3.24	31.82	-63.44	-13.00	-50.44

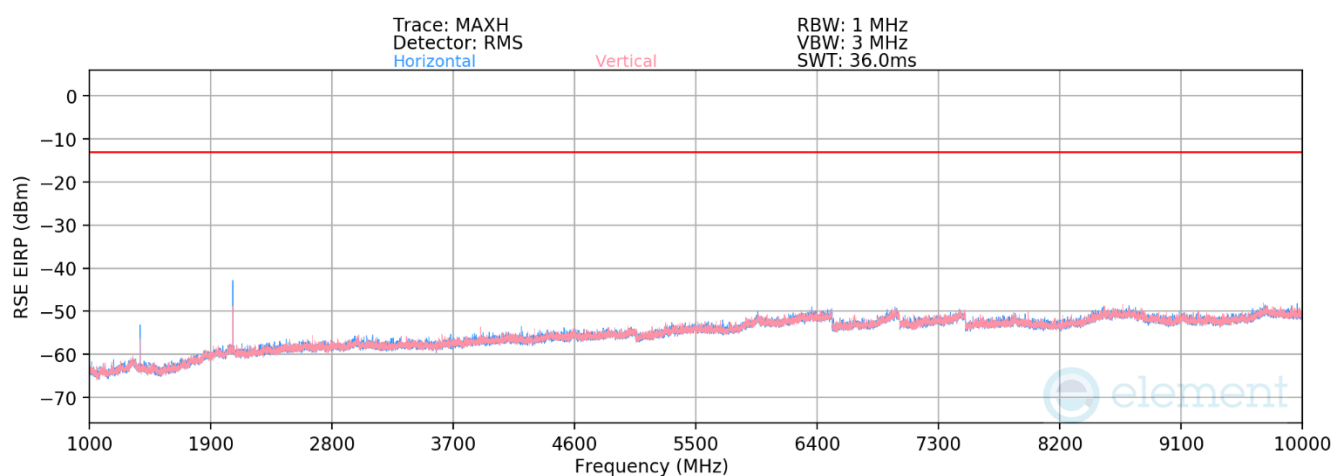
Table 7-42. Antenna 4 Radiated Spurious Data (LTE Band 71 – High Channel)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n71



Plot 7-481. Antenna 4 Radiated Spurious Emission below 1GHz (NR Band n71)



Plot 7-482. Antenna 4 Radiated Spurious Emission above 1GHz (NR Band n71)

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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	114	311	-69.66	-1.54	35.80	-59.46	-13.00	-46.46
2019.0	H	-	-	-77.89	1.67	30.78	-64.48	-13.00	-51.48
2692.0	V	-	-	-78.55	3.10	31.55	-63.71	-13.00	-50.71
3365.0	H	-	-	-78.96	3.89	31.93	-63.32	-13.00	-50.32

Table 7-43. Antenna 4 Radiated Spurious Data (NR Band n71 – 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	253	317	-66.72	-2.62	37.65	-57.60	-13.00	-44.60
2041.5	H	209	206	-70.39	0.78	37.40	-57.86	-13.00	-44.86
2722.0	V	-	-	-77.90	1.98	31.08	-64.18	-13.00	-51.18
3402.5	H	-	-	-78.43	3.16	31.73	-63.53	-13.00	-50.53
4083.0	V	-	-	-78.50	4.34	32.83	-62.42	-13.00	-49.42

Table 7-44. Antenna 4 Radiated Spurious Data (NR Band n71 – Mid Channel)

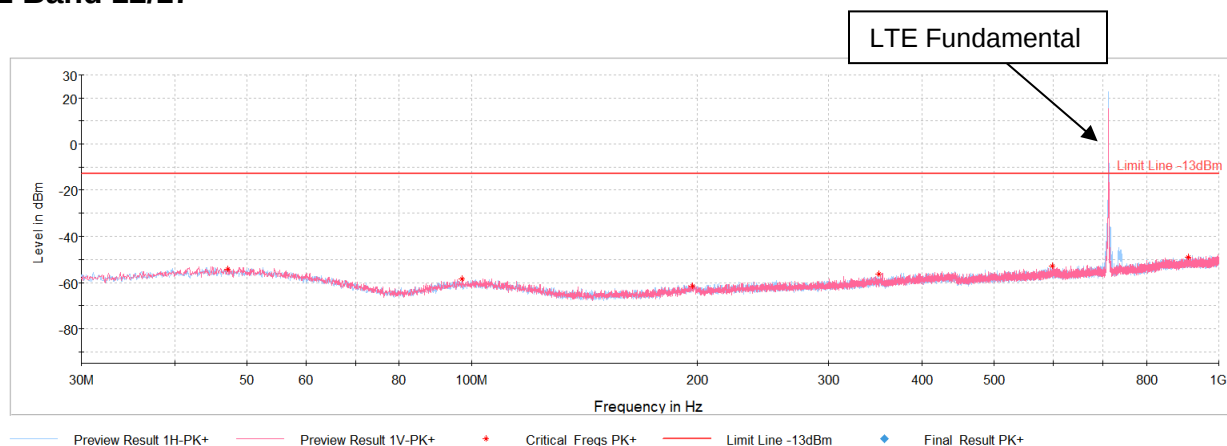
Bandwidth (MHz):	20
Frequency (MHz):	688.0
RB / Offset:	1 / 50

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	236	321	-68.57	-2.80	35.64	-59.62	-13.00	-46.62
2064.0	H	398	112	-55.98	1.17	52.19	-43.07	-13.00	-30.07
2752.0	V	-	-	-77.80	1.84	31.04	-64.22	-13.00	-51.22
3440.0	H	-	-	-78.39	3.10	31.71	-63.54	-13.00	-50.54
4128.0	H	-	-	-78.33	4.34	33.00	-62.25	-13.00	-49.25

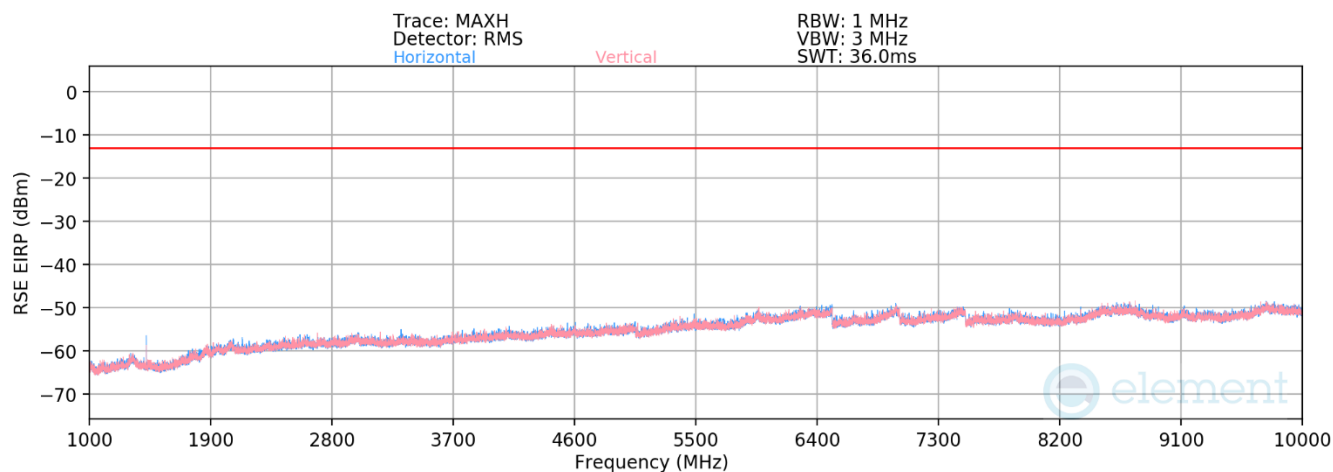
Table 7-45. Antenna 4 Radiated Spurious Data (NR Band n71 – High Channel)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-09-R1.BCG	Test Dates: 7/1/2024 - 12/27/2024	EUT Type: Tablet Device	Page 312 of 351

LTE Band 12/17



Plot 7-483. Antenna 4 Radiated Spurious Emission below 1GHz (LTE Band 12/17)



Plot 7-484. Antenna 4 Radiated Spurious Emission above 1GHz (LTE Band 12/17)

FCC ID: BCGA3269		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210075-09-R1.BCG	Test Dates: 7/1/2024 - 12/27/2024	EUT Type: Tablet Device	Page 313 of 351

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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	-	-	-76.63	-3.69	26.68	-68.58	-13.00	-55.58
2112.0	V	-	-	-77.76	0.70	29.94	-65.32	-13.00	-52.32
2816.0	V	-	-	-77.54	1.90	31.36	-63.90	-13.00	-50.90

Table 7-46. Antenna 4 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	-	-	-76.54	-3.58	26.88	-68.37	-13.00	-55.37
2122.5	H	-	-	-77.24	0.25	30.00	-65.25	-13.00	-52.25
2830.0	V	-	-	-77.69	1.93	31.24	-64.01	-13.00	-51.01

Table 7-47. Antenna 4 Radiated Spurious Data (LTE Band 12/17 – Mid Channel)

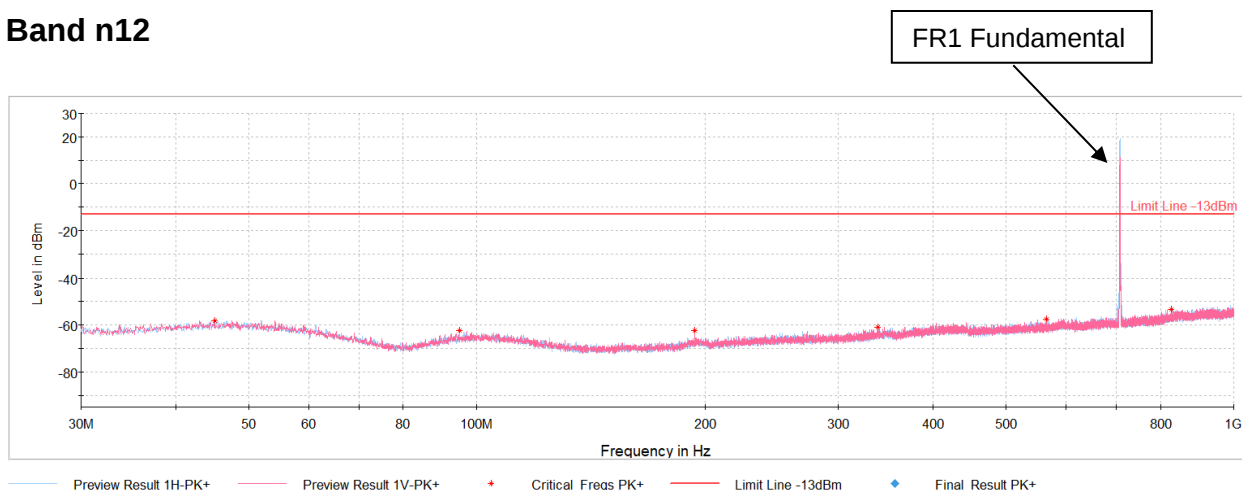
Bandwidth (MHz):	10
Frequency (MHz):	711.0
RB / Offset:	1 / 25

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	248	223	-70.18	-3.61	33.21	-62.05	-13.00	-49.05
2133.0	H	-	-	-77.47	0.27	29.79	-65.47	-13.00	-52.47
2844.0	V	-	-	-77.82	1.93	31.11	-64.14	-13.00	-51.14
3555.0	V	-	-	-78.09	2.71	31.61	-63.64	-13.00	-50.64

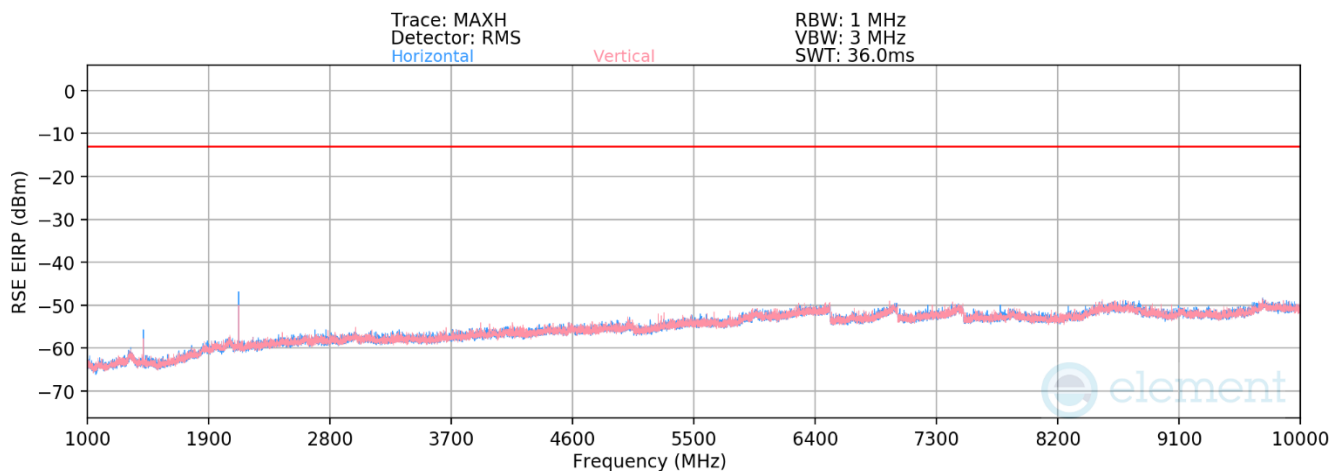
Table 7-48. Antenna 4 Radiated Spurious Data (LTE Band 12/17 – High Channel)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-09-R1.BCG	Test Dates: 7/1/2024 - 12/27/2024	EUT Type: Tablet Device	Page 314 of 351

NR Band n12



Plot 7-485. Antenna 4 Radiated Spurious Emission below 1GHz (NR Band n12)



Plot 7-486. Antenna 4 Radiated Spurious Emission above 1GHz (NR Band n12)

FCC ID: BCGA3269		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210075-09-R1.BCG	Test Dates: 7/1/2024 - 12/27/2024	EUT Type: Tablet Device	Page 315 of 351

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Bandwidth (MHz):	15
Frequency (MHz):	706.5
RB / Offset:	1 / 37

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]
1413.0	H	-	-	-76.86	-3.69	26.45	-68.81	-13.00	-55.81
2119.5	H	129	370	-69.15	0.27	38.12	-57.14	-13.00	-44.14
2826.0	V	-	-	-77.59	1.93	31.34	-63.92	-13.00	-50.92
3532.5	H	-	-	-78.70	3.25	31.55	-63.71	-13.00	-50.71
4239.0	V	-	-	-78.88	4.15	32.27	-62.99	-13.00	-49.99

Table 7-49. Antenna 4 Radiated Spurious Data (NR Band n12 – Low Channel)

Bandwidth (MHz):	15
Frequency (MHz):	707.5
RB / Offset:	1 / 37

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	168	215	-67.59	-3.61	35.80	-59.46	-13.00	-46.46
2122.5	H	100	138	-59.96	0.27	47.31	-47.95	-13.00	-34.95
2830.0	H	-	-	-77.72	1.93	31.21	-64.05	-13.00	-51.05
3537.5	H	-	-	-78.28	2.71	31.43	-63.83	-13.00	-50.83
4245.0	H	-	-	-78.80	4.08	32.28	-62.98	-13.00	-49.98

Table 7-50. Antenna 4 Radiated Spurious Data (NR Band n12 – Mid Channel)

Bandwidth (MHz):	15
Frequency (MHz):	708.5
RB / Offset:	1 / 37

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]
1417.0	H	244	323	-71.82	-3.58	31.61	-63.65	-13.00	-50.65
2125.5	H	104	136	-69.05	0.25	38.19	-57.06	-13.00	-44.06
2834.0	V	-	-	-77.80	1.90	31.10	-64.16	-13.00	-51.16
3542.5	V	-	-	-78.13	2.71	31.57	-63.68	-13.00	-50.68
4251.0	V	-	-	-78.68	4.19	32.51	-62.75	-13.00	-49.75

Table 7-51. Antenna 4 Radiated Spurious Data (NR Band n12 – High Channel)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-09-R1.BCG	Test Dates: 7/1/2024 - 12/27/2024	EUT Type: Tablet Device	Page 316 of 351

LTE Band 13

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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1559.0	H	278	238	-73.53	-3.99	29.48	-65.78	-40.00	-25.78
2338.5	V	-	-	-77.68	1.06	30.38	-64.88	-13.00	-51.88
3118.0	V	-	-	-78.39	3.16	31.77	-63.49	-13.00	-50.49
3897.5	V	-	-	-78.32	3.87	32.55	-62.70	-13.00	-49.70

Table 7-52. Antenna 4 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1564.0	H	248	239	-73.93	-3.88	29.19	-66.07	-40.00	-26.07
2346.0	H	-	-	-77.73	1.06	30.33	-64.93	-13.00	-51.93
3128.0	H	-	-	-78.10	2.83	31.73	-63.53	-13.00	-50.53
3910.0	V	-	-	-78.29	3.87	32.58	-62.68	-13.00	-49.68

Table 7-53. Antenna 4 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1569.0	H	175	227	-73.93	-3.99	29.08	-66.17	-40.00	-26.17
2353.5	H	-	-	-78.07	1.14	30.07	-65.19	-13.00	-52.19
3138.0	V	-	-	-77.98	2.55	31.57	-63.69	-13.00	-50.69
3922.5	V	-	-	-78.47	4.06	32.59	-62.67	-13.00	-49.67

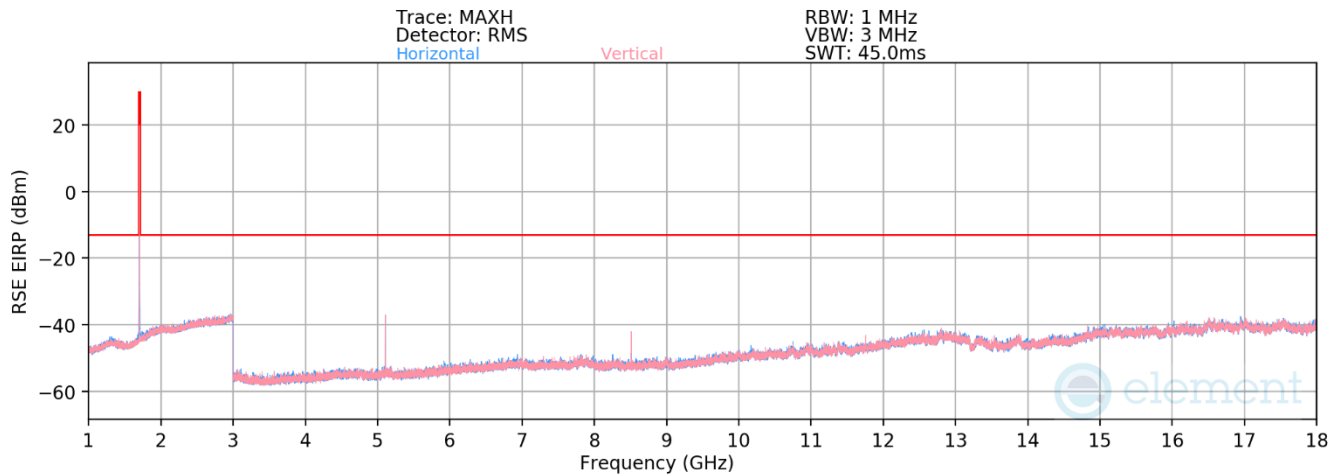
Table 7-54. Antenna 4 Radiated Spurious Data (LTE Band 13 – High Channel)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-09-R1.BCG	Test Dates: 7/1/2024 - 12/27/2024	EUT Type: Tablet Device	Page 317 of 351

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NR Band n70



Plot 7-487. Antenna 4 Radiated Spurious Emission above 1GHz (NR Band n70)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-09-R1.BCG	Test Dates: 7/1/2024 - 12/27/2024	EUT Type: Tablet Device	Page 318 of 351

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	V	-	-	-78.99	4.60	32.61	-62.65	-13.00	-49.65
5100.0	V	312	228	-75.96	7.64	38.67	-56.58	-13.00	-43.58
6800.0	V	-	-	-81.11	11.32	37.21	-58.05	-13.00	-45.05
8500.0	H	-	-	-81.05	11.31	37.25	-58.01	-13.00	-45.01
10200.0	V	-	-	-83.00	16.58	40.58	-54.68	-13.00	-41.68

Table 7-55. Antenna 4 Radiated Spurious Data (NR Band n70 – Low Channel)

Bandwidth (MHz):	15
Frequency (MHz):	1702.5
RB / Offset:	1 / 37

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	V	-	-	-78.54	4.60	33.05	-62.20	-13.00	-49.20
5107.5	V	260	231	-70.07	7.82	44.76	-50.50	-13.00	-37.50
6810.0	V	-	-	-81.19	11.32	37.13	-58.13	-13.00	-45.13
8512.5	V	-	-	-81.03	11.43	37.40	-57.86	-13.00	-44.86
10215.0	H	-	-	-82.96	16.58	40.62	-54.64	-13.00	-41.64

Table 7-56. Antenna 4 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	V	-	-	-77.75	4.60	33.85	-61.41	-13.00	-48.41
5115.0	V	303	228	-78.90	7.92	36.01	-59.24	-13.00	-46.24
6820.0	V	-	-	-81.14	11.32	37.18	-58.08	-13.00	-45.08
8525.0	V	106	41	-69.38	11.43	49.05	-46.21	-13.00	-33.21
10230.0	V	-	-	-83.27	16.38	40.10	-55.15	-13.00	-42.15
11935.0	H	-	-	-84.00	18.92	41.92	-53.33	-13.00	-40.33
13640.0	V	-	-	-83.35	19.76	43.41	-51.85	-13.00	-38.85

Table 7-57. Antenna 4 Radiated Spurious Data (NR Band n70 – High Channel)

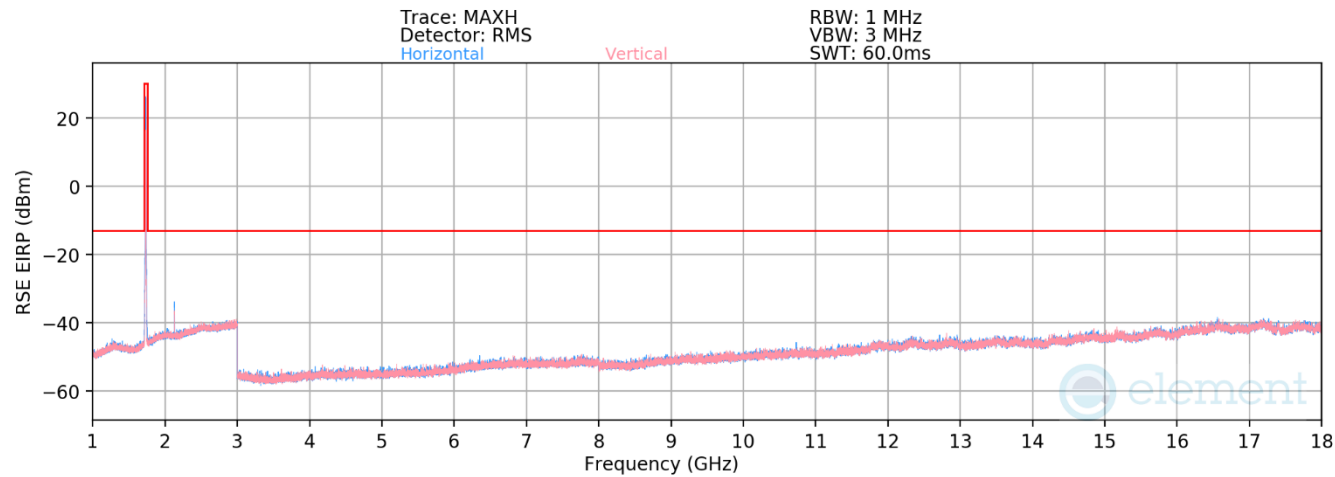
FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-09-R1.BCG	Test Dates: 7/1/2024 - 12/27/2024	EUT Type: Tablet Device	Page 319 of 351

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WCDMA AWS



Plot 7-488. Antenna 4 Radiated Spurious Emission above 1GHz (WCDMA AWS)

FCC ID: BCGA3269	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-09-R1.BCG	Test Dates: 7/1/2024 - 12/27/2024	EUT Type: Tablet Device	Page 320 of 351

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Mode:	WCDMA RMC
Channel:	1312
Frequency (MHz):	1712.4

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3424.8	H	-	-	-77.81	4.44	33.63	-61.62	-13.00	-48.62
5137.2	H	-	-	-79.41	7.97	35.56	-59.69	-13.00	-46.69
6849.6	H	-	-	-79.93	10.40	37.47	-57.79	-13.00	-44.79

7-58. Antenna 4 Radiated Spurious Data (WCDMA AWS – Low Channel)

Mode:	WCDMA RMC
Channel:	1413
Frequency (MHz):	1732.6

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3465.2	V	-	-	-78.07	4.65	33.57	-61.68	-13.00	-48.68
5197.8	V	-	-	-79.70	8.16	35.45	-59.80	-13.00	-46.80
6930.4	H	-	-	-79.89	10.57	37.68	-57.58	-13.00	-44.58

Table 7-59. Antenna 4 Radiated Spurious Data (WCDMA AWS – Mid Channel)

Mode:	WCDMA RMC
Channel:	1513
Frequency (MHz):	1752.6

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3505.2	H	-	-	-77.98	4.75	33.77	-61.49	-13.00	-48.49
5257.8	V	-	-	-79.59	8.19	35.60	-59.66	-13.00	-46.66
7010.4	H	-	-	-80.04	10.46	37.41	-57.84	-13.00	-44.84

Table 7-60. Antenna 4 Radiated Spurious Data (WCDMA AWS – High Channel)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.7.2 Antenna 1b – 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	-	-	-76.70	0.83	31.13	-64.13	-13.00	-51.13
5160.0	V	-	-	-77.34	4.35	34.01	-61.25	-13.00	-48.25
6880.0	H	-	-	-78.15	5.59	34.44	-60.82	-13.00	-47.82

Table 7-61. Antenna 1b 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	V	-	-	-76.26	0.51	31.24	-64.01	-13.00	-51.01
5235.0	V	-	-	-77.14	4.63	34.50	-60.76	-13.00	-47.76
6980.0	H	-	-	-78.23	5.87	34.64	-60.62	-13.00	-47.62

Table 7-62. Antenna 1b 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	V	-	-	-76.04	0.41	31.37	-63.88	-13.00	-50.88
5310.0	V	-	-	-77.31	4.45	34.14	-61.12	-13.00	-48.12
7080.0	H	-	-	-78.35	5.83	34.48	-60.78	-13.00	-47.78

Table 7-63. Antenna 1b Radiated Spurious Data (LTE Band 66/4 – High Channel)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n66

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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3460.0	H	-	-	-78.90	4.62	32.72	-62.54	-13.00	-49.54
5190.0	V	-	-	-80.89	8.14	34.26	-61.00	-13.00	-48.00
6920.0	H	-	-	-81.39	11.28	36.89	-58.37	-13.00	-45.37

Table 7-64. Antenna 1b 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	H	-	-	-79.18	4.62	32.44	-62.82	-13.00	-49.82
5235.0	H	-	-	-80.96	8.23	34.27	-60.99	-13.00	-47.99
6980.0	V	-	-	-81.45	11.59	37.14	-58.12	-13.00	-45.12

Table 7-65. Antenna 1b 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3520.0	V	-	-	-79.12	4.53	32.41	-62.85	-13.00	-49.85
5280.0	V	-	-	-80.88	8.30	34.42	-60.83	-13.00	-47.83
7040.0	H	-	-	-80.96	11.31	37.35	-57.91	-13.00	-44.91

Table 7-66. Antenna 1b Radiated Spurious Data (NR Band n66 – High Channel)

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NR Band n70

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	-	-	-79.15	4.67	32.52	-62.73	-13.00	-49.73
5100.0	H	-	-	-80.74	7.92	34.18	-61.08	-13.00	-48.08
6800.0	H	-	-	-80.78	10.98	37.20	-58.06	-13.00	-45.06

Table 7-67. Antenna 1b Radiated Spurious Data (NR Band n70 – Low Channel)

Bandwidth (MHz):	15
Frequency (MHz):	1702.5
RB / Offset:	1 / 37

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	-	-	-79.11	4.64	32.53	-62.73	-13.00	-49.73
5107.5	H	-	-	-80.91	7.92	34.01	-61.25	-13.00	-48.25
6810.0	V	-	-	-81.12	11.32	37.20	-58.06	-13.00	-45.06

Table 7-68. Antenna 1b 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	-	-	-78.93	4.60	32.66	-62.59	-13.00	-49.59
5115.0	H	-	-	-80.79	7.99	34.21	-61.05	-13.00	-48.05
6820.0	V	-	-	-81.03	11.32	37.29	-57.97	-13.00	-44.97

Table 7-69. Antenna 1b Radiated Spurious Data (NR Band n70 – High Channel)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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WCDMA AWS

Mode:	WCDMA RMC
Channel:	1312
Frequency (MHz):	1712.4

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3424.8	H	-	-	-77.96	4.65	33.69	-61.57	-13.00	-48.57
5137.2	H	-	-	-79.58	8.00	35.42	-59.84	-13.00	-46.84
6849.6	H	-	-	-79.69	10.32	37.63	-57.63	-13.00	-44.63

7-70. Antenna 1b Radiated Spurious Data (WCDMA AWS – Low Channel)

Mode:	WCDMA RMC
Channel:	1413
Frequency (MHz):	1732.6

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3465.2	V	-	-	-78.16	4.75	33.59	-61.67	-13.00	-48.67
5197.8	H	-	-	-79.66	8.16	35.50	-59.76	-13.00	-46.76
6930.4	H	-	-	-79.83	10.41	37.58	-57.68	-13.00	-44.68

Table 7-71. Antenna 1b Radiated Spurious Data (WCDMA AWS – Mid Channel)

Mode:	WCDMA RMC
Channel:	1513
Frequency (MHz):	1752.6

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3505.2	V	-	-	-77.88	4.75	33.88	-61.38	-13.00	-48.38
5257.8	H	-	-	-79.91	8.38	35.47	-59.79	-13.00	-46.79
7010.4	H	-	-	-79.91	10.41	37.50	-57.76	-13.00	-44.76

Table 7-72. Antenna 1b Radiated Spurious Data (WCDMA AWS – High Channel)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.7.3 Antenna 3b - 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	V	-	-	-76.09	0.62	31.52	-63.73	-13.00	-50.73
5160.0	V	-	-	-77.68	4.56	33.89	-61.37	-13.00	-48.37
6880.0	H	-	-	-77.90	5.59	34.69	-60.57	-13.00	-47.57

Table 7-73. Antenna 3b 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	-	-	-76.41	0.51	31.09	-64.16	-13.00	-51.16
5235.0	V	-	-	-77.71	5.09	34.38	-60.88	-13.00	-47.88
6980.0	H	-	-	-78.07	5.71	34.64	-60.62	-13.00	-47.62

Table 7-74. Antenna 3b 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	V	-	-	-76.22	0.51	31.29	-63.96	-13.00	-50.96
5310.0	H	-	-	-78.20	5.01	33.81	-61.45	-13.00	-48.45
7080.0	V	-	-	-78.25	5.86	34.61	-60.64	-13.00	-47.64

Table 7-75. Antenna 3b Radiated Spurious Data (LTE Band 66/4 – High Channel)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n66

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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3460.0	H	-	-	-79.03	4.62	32.58	-62.67	-13.00	-49.67
5190.0	V	-	-	-80.84	8.10	34.26	-61.00	-13.00	-48.00
6920.0	V	-	-	-81.43	11.27	36.85	-58.41	-13.00	-45.41

Table 7-76. Antenna 3b 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	H	-	-	-79.13	4.62	32.49	-62.77	-13.00	-49.77
5235.0	H	-	-	-80.69	8.24	34.55	-60.70	-13.00	-47.70
6980.0	V	-	-	-80.86	11.16	37.30	-57.96	-13.00	-44.96

Table 7-77. Antenna 3b 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3520.0	V	-	-	-79.11	4.53	32.42	-62.84	-13.00	-49.84
5280.0	H	-	-	-80.94	8.30	34.36	-60.90	-13.00	-47.90
7040.0	V	-	-	-81.13	11.26	37.13	-58.13	-13.00	-45.13

Table 7-78. Antenna 3b Radiated Spurious Data (NR Band n66 – High Channel)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n70

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	V	-	-	-79.14	4.67	32.54	-62.72	-13.00	-49.72
5100.0	V	-	-	-80.83	7.82	33.99	-61.27	-13.00	-48.27
6800.0	V	-	-	-80.91	11.32	37.41	-57.85	-13.00	-44.85

Table 7-79. Antenna 3b Radiated Spurious Data (NR Band n70 – Low Channel)

Bandwidth (MHz):	15
Frequency (MHz):	1702.5
RB / Offset:	1 / 37

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	-	-	-79.27	4.67	32.40	-62.86	-13.00	-49.86
5107.5	V	-	-	-80.60	7.82	34.23	-61.03	-13.00	-48.03
6810.0	V	-	-	-81.12	11.32	37.20	-58.06	-13.00	-45.06

Table 7-80. Antenna 3b 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	V	-	-	-78.91	4.60	32.68	-62.58	-13.00	-49.58
5115.0	V	-	-	-80.67	7.92	34.25	-61.00	-13.00	-48.00
6820.0	V	-	-	-81.10	11.32	37.21	-58.04	-13.00	-45.04

Table 7-81. Antenna 3b Radiated Spurious Data (NR Band n70 – High Channel)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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WCDMA AWS

Mode:	WCDMA RMC
Channel:	1312
Frequency (MHz):	1712.4

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3424.8	V	-	-	-77.79	4.65	33.86	-61.40	-13.00	-48.40
5137.2	H	-	-	-79.61	8.00	35.40	-59.86	-13.00	-46.86
6849.6	V	-	-	-79.95	10.45	37.51	-57.75	-13.00	-44.75

Table 7-82. Antenna 3b Radiated Spurious Data (WCDMA AWS – Low Channel)

Mode:	WCDMA RMC
Channel:	1413
Frequency (MHz):	1732.6

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3465.2	H	-	-	-78.10	4.65	33.55	-61.71	-13.00	-48.71
5197.8	V	-	-	-79.43	8.16	35.73	-59.53	-13.00	-46.53
6930.4	V	-	-	-79.82	10.41	37.59	-57.67	-13.00	-44.67

Table 7-83. Antenna 3b Radiated Spurious Data (WCDMA AWS – Mid Channel)

Mode:	WCDMA RMC
Channel:	1513
Frequency (MHz):	1752.6

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3505.2	V	-	-	-78.23	4.75	33.52	-61.74	-13.00	-48.74
5257.8	V	-	-	-79.69	8.31	35.61	-59.64	-13.00	-46.64
7010.4	H	-	-	-79.83	10.41	37.58	-57.68	-13.00	-44.68

Table 7-84. Antenna 3b Radiated Spurious Data (WCDMA AWS – High Channel)

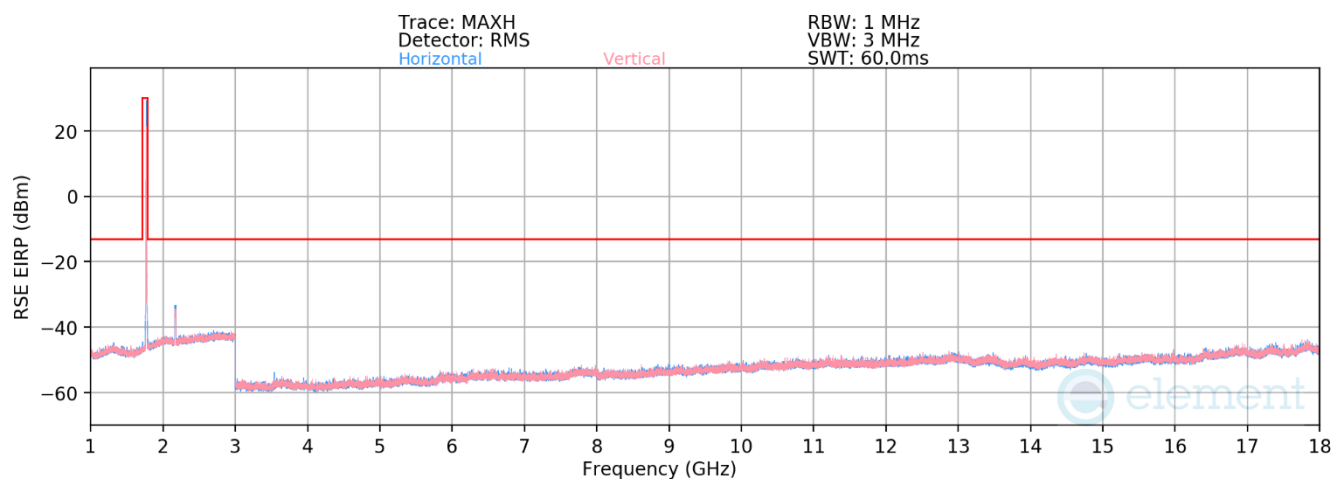
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7.7.4 Antenna 2 – Radiated Spurious Emission Measurement

LTE Band 66/4



Plot 7-489. Antenna 2 Radiated Spurious Emission above 1GHz (LTE Band 66/4)

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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	V	-	-	-77.46	2.14	31.68	-63.58	-13.00	-50.58
5160.0	V	-	-	-79.38	5.35	32.96	-62.29	-13.00	-49.29
6880.0	V	-	-	-81.92	9.84	34.92	-60.34	-13.00	-47.34

Table 7-85. Antenna 2 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	V	-	-	-75.11	1.36	33.25	-62.01	-13.00	-49.01
5235.0	H	-	-	-79.38	5.40	33.02	-62.24	-13.00	-49.24
6980.0	H	-	-	-82.06	9.85	34.80	-60.46	-13.00	-47.46

Table 7-86. Antenna 2 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	V	272	360	-73.03	1.77	35.74	-59.52	-13.00	-46.52
5310.0	V	-	-	-79.32	6.14	33.82	-61.44	-13.00	-48.44
7080.0	H	-	-	-81.44	9.16	34.71	-60.54	-13.00	-47.54
8850.0	V	-	-	-81.57	10.35	35.77	-59.48	-13.00	-46.48

Table 7-87. Antenna 2 Radiated Spurious Data (LTE Band 66/4 – High Channel)

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NR Band n66

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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3460.0	V	-	-	-78.96	4.62	32.66	-62.60	-13.00	-49.60
5190.0	H	-	-	-80.76	8.14	34.38	-60.88	-13.00	-47.88
6920.0	H	-	-	-81.36	11.27	36.92	-58.34	-13.00	-45.34

Table 7-88. Antenna 2 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	H	-	-	-78.85	4.52	32.67	-62.59	-13.00	-49.59
5235.0	H	-	-	-80.74	8.23	34.49	-60.77	-13.00	-47.77
6980.0	H	-	-	-81.13	11.16	37.03	-58.22	-13.00	-45.22

Table 7-89. Antenna 2 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3520.0	V	-	-	-77.86	4.64	33.78	-61.48	-13.00	-48.48
5280.0	V	-	-	-81.00	8.29	34.29	-60.97	-13.00	-47.97
7040.0	H	-	-	-81.14	11.31	37.17	-58.09	-13.00	-45.09

Table 7-90. Antenna 2 Radiated Spurious Data (NR Band n66 – High Channel)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 71

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	140	142	-71.22	-2.04	33.74	-61.52	-13.00	-48.52
2019.0	H	-	-	-76.78	0.78	31.00	-64.26	-13.00	-51.26
2692.0	V	-	-	-78.09	2.13	31.03	-64.22	-13.00	-51.22
3365.0	V	-	-	-78.66	3.28	31.62	-63.64	-13.00	-50.64

Table 7-91. Antenna 2 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	125	138	-73.21	-2.62	31.17	-64.09	-13.00	-51.09
2041.5	H	272	180	-75.42	0.78	32.37	-62.89	-13.00	-49.89
2722.0	H	-	-	-77.98	1.98	31.00	-64.26	-13.00	-51.26
3402.5	H	-	-	-78.63	3.24	31.61	-63.65	-13.00	-50.65
4083.0	H	-	-	-78.49	4.34	32.85	-62.41	-13.00	-49.41

Table 7-92. Antenna 2 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	169	260	-73.96	-2.80	30.25	-65.01	-13.00	-52.01
2064.0	H	-	-	-77.50	1.17	30.67	-64.59	-13.00	-51.59
2752.0	V	-	-	-77.68	1.98	31.30	-63.96	-13.00	-50.96
3440.0	V	-	-	-78.60	3.24	31.64	-63.62	-13.00	-50.62

Table 7-93. Antenna 2 Radiated Spurious Data (LTE Band 71 – High Channel)

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NR Band n71

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	151	148	-70.92	-2.04	34.04	-61.21	-13.00	-48.21
2019.0	H	146	207	-76.68	0.78	31.10	-64.15	-13.00	-51.15
2692.0	V	-	-	-78.04	2.13	31.08	-64.18	-13.00	-51.18
3365.0	V	-	-	-78.42	3.21	31.79	-63.47	-13.00	-50.47
4038.0	H	-	-	-78.73	4.15	32.43	-62.83	-13.00	-49.83

Table 7-94. Antenna 2 Radiated Spurious Data (NR Band n71 – 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	V	255	260	-72.00	-2.62	32.37	-62.88	-13.00	-49.88
2041.5	H	253	130	-66.89	0.78	40.90	-54.36	-13.00	-41.36
2722.0	V	-	-	-77.90	1.98	31.08	-64.18	-13.00	-51.18
3402.5	H	-	-	-78.53	3.19	31.66	-63.60	-13.00	-50.60
4083.0	V	-	-	-78.47	4.34	32.86	-62.39	-13.00	-49.39

Table 7-95. Antenna 2 Radiated Spurious Data (NR Band n71 – 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	172	261	-72.60	-2.80	31.61	-63.65	-13.00	-50.65
2064.0	H	145	169	-74.14	1.17	34.04	-61.22	-13.00	-48.22
2752.0	V	-	-	-77.56	1.98	31.42	-63.84	-13.00	-50.84
3440.0	V	-	-	-78.62	3.24	31.62	-63.64	-13.00	-50.64
4128.0	H	-	-	-78.52	4.34	32.82	-62.44	-13.00	-49.44

Table 7-96. Antenna 2 Radiated Spurious Data (NR Band n71 – High Channel)

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LTE Band 12/17

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	326	270	-75.29	-3.69	28.01	-67.24	-13.00	-54.24
2112.0	H	-	-	-77.47	0.38	29.91	-65.35	-13.00	-52.35
2816.0	V	-	-	-77.70	1.84	31.14	-64.12	-13.00	-51.12
3520.0	H	-	-	-78.55	3.25	31.70	-63.56	-13.00	-50.56

Table 7-97. Antenna 2 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	-	-	-76.52	-3.58	26.90	-68.35	-13.00	-55.35
2122.5	H	-	-	-77.46	0.27	29.80	-65.46	-13.00	-52.46
2830.0	H	-	-	-77.56	1.93	31.37	-63.89	-13.00	-50.89

Table 7-98. Antenna 2 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	V	-	-	-76.55	-3.58	26.87	-68.38	-13.00	-55.38
2133.0	V	-	-	-77.58	0.25	29.67	-65.59	-13.00	-52.59
2844.0	V	-	-	-77.69	1.84	31.15	-64.11	-13.00	-51.11

Table 7-99. Antenna 2 Radiated Spurious Data (LTE Band 12/17 – High Channel)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n12

Bandwidth (MHz):	15
Frequency (MHz):	706.5
RB / Offset:	1 / 37

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]
1413.0	H	244	326	-73.64	-3.61	29.74	-65.52	-13.00	-52.52
2119.5	H	129	127	-63.12	0.27	44.14	-51.12	-13.00	-38.12
2826.0	H	-	-	-77.68	1.90	31.22	-64.04	-13.00	-51.04
3532.5	H	-	-	-77.95	2.54	31.60	-63.66	-13.00	-50.66
4239.0	V	-	-	-78.55	4.15	32.59	-62.66	-13.00	-49.66

Table 7-100. Antenna 2 Radiated Spurious Data (NR Band n12 – Low Channel)

Bandwidth (MHz):	15
Frequency (MHz):	707.5
RB / Offset:	1 / 37

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	252	326	-73.92	-3.61	29.47	-65.79	-13.00	-52.79
2122.5	H	-	-	-77.43	0.25	29.82	-65.44	-13.00	-52.44
2830.0	H	-	-	-77.70	1.90	31.20	-64.05	-13.00	-51.05
3537.5	H	-	-	-78.28	2.71	31.43	-63.83	-13.00	-50.83

Table 7-101. Antenna 2 Radiated Spurious Data (NR Band n12 – Mid Channel)

Bandwidth (MHz):	15
Frequency (MHz):	708.5
RB / Offset:	1 / 37

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]
1417.0	H	252	329	-71.08	-3.58	32.34	-62.91	-13.00	-49.91
2125.5	H	115	114	-61.30	0.25	45.95	-49.31	-13.00	-36.31
2834.0	V	-	-	-77.68	1.90	31.22	-64.04	-13.00	-51.04
3542.5	H	-	-	-78.28	2.71	31.43	-63.83	-13.00	-50.83
4251.0	V	-	-	-78.72	4.04	32.31	-62.94	-13.00	-49.94

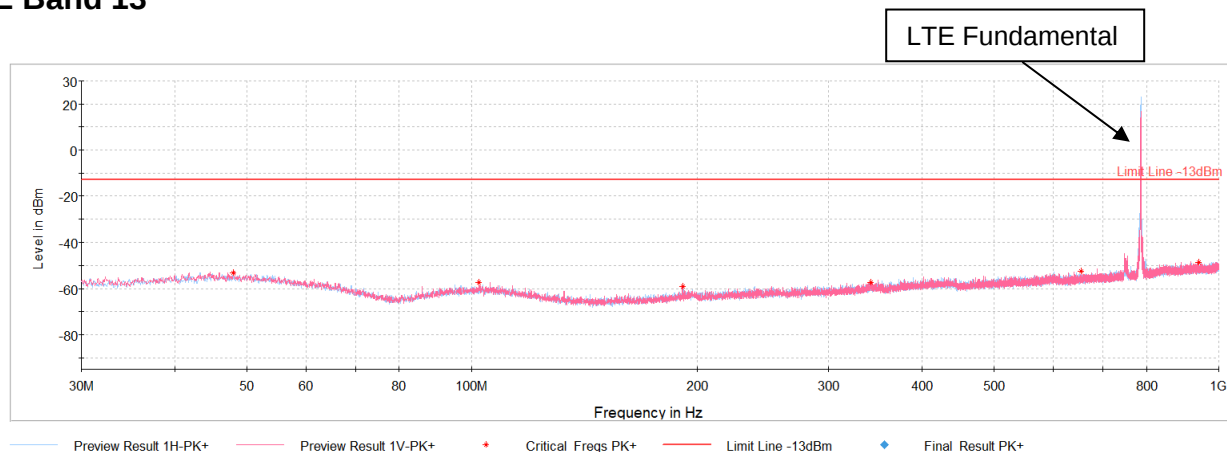
Table 7-102. Antenna 2 Radiated Spurious Data (NR Band n12 – High Channel)

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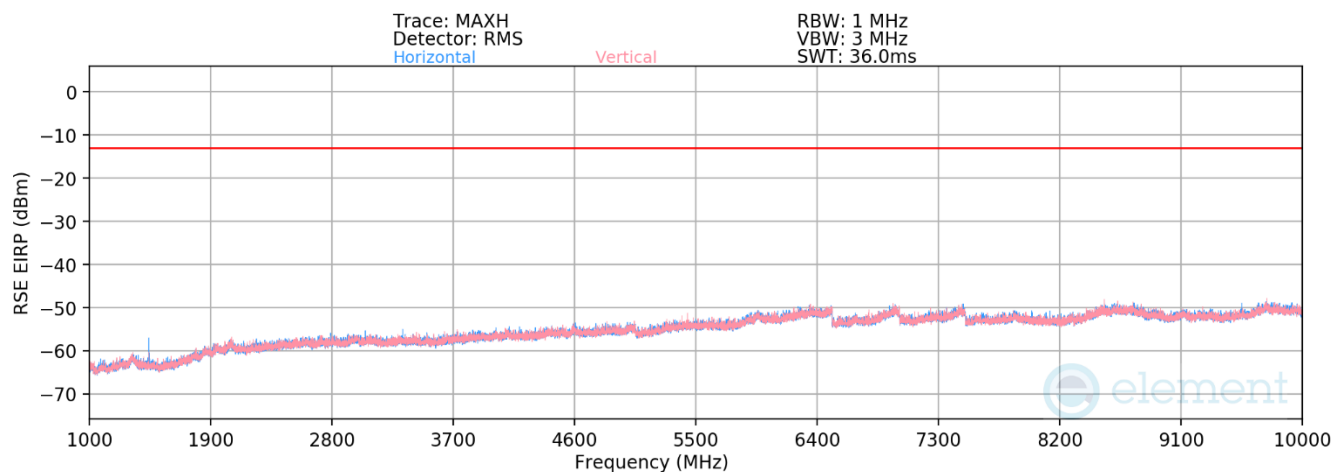
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LTE Band 13



Plot 7-490. Antenna 2 Radiated Spurious Emission below 1GHz (LTE Band 13)



Plot 7-491. Antenna 2 Radiated Spurious Emission above 1GHz (LTE Band 13)

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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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1559.0	H	352	61	-72.94	-3.99	30.07	-65.18	-40.00	-25.18
2338.5	V	-	-	-77.61	1.06	30.45	-64.81	-13.00	-51.81
3118.0	V	-	-	-78.01	2.83	31.82	-63.43	-13.00	-50.43
3897.5	H	-	-	-78.36	3.87	32.51	-62.75	-13.00	-49.75

Table 7-103. Antenna 2 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1564.0	H	-	-	-77.36	-3.99	25.65	-69.61	-40.00	-29.61
2346.0	V	-	-	-77.83	1.14	30.31	-64.94	-13.00	-51.94
3128.0	V	-	-	-78.54	3.16	31.62	-63.63	-13.00	-50.63

Table 7-104. Antenna 2 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1569.0	H	-	-	-77.41	-3.99	25.60	-69.66	-40.00	-29.66
2353.5	V	-	-	-78.02	1.14	30.12	-65.14	-13.00	-52.14
3138.0	V	-	-	-78.31	2.83	31.52	-63.74	-13.00	-50.74

Table 7-105. Antenna 2 Radiated Spurious Data (LTE Band 13 – High Channel)

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NR Band n70

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	-	-	-79.09	4.64	32.55	-62.70	-13.00	-49.70
5100.0	V	-	-	-80.36	7.64	34.28	-60.98	-13.00	-47.98
6800.0	H	-	-	-81.22	11.32	37.10	-58.16	-13.00	-45.16

Table 7-106. Antenna 2 Radiated Spurious Data (NR Band n70 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	1702.5
RB / Offset:	1 / 37

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	-	-	-79.09	4.64	32.55	-62.71	-13.00	-49.71
5107.5	V	-	-	-80.41	7.92	34.51	-60.75	-13.00	-47.75
6810.0	H	-	-	-80.88	11.32	37.44	-57.82	-13.00	-44.82

Table 7-107. Antenna 2 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	-	-	-79.14	4.67	32.54	-62.72	-13.00	-49.72
5115.0	H	-	-	-80.96	7.99	34.03	-61.23	-13.00	-48.23
6820.0	V	-	-	-81.09	11.32	37.23	-58.03	-13.00	-45.03

Table 7-108. Antenna 2 Radiated Spurious Data (NR Band n70 – High Channel)

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WCDMA AWS

Mode:	WCDMA RMC
Channel:	1312
Frequency (MHz):	1712.4

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3424.8	H	-	-	-77.99	4.65	33.66	-61.60	-13.00	-48.60
5137.2	H	-	-	-79.74	8.06	35.33	-59.93	-13.00	-46.93
6849.6	V	-	-	-79.84	10.46	37.62	-57.64	-13.00	-44.64

7-109. Antenna 2 Radiated Spurious Data (WCDMA AWS – Low Channel)

Mode:	WCDMA RMC
Channel:	1413
Frequency (MHz):	1732.6

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3465.2	V	-	-	-78.02	4.65	33.63	-61.63	-13.00	-48.63
5197.8	H	-	-	-79.36	8.16	35.80	-59.46	-13.00	-46.46
6930.4	H	-	-	-79.79	10.41	37.62	-57.64	-13.00	-44.64

Table 7-110. Antenna 2 Radiated Spurious Data (WCDMA AWS – Mid Channel)

Mode:	WCDMA RMC
Channel:	1513
Frequency (MHz):	1752.6

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3505.2	H	-	-	-78.31	4.75	33.44	-61.81	-13.00	-48.81
5257.8	H	-	-	-79.79	8.38	35.59	-59.66	-13.00	-46.66
7010.4	V	-	-	-79.98	10.46	37.48	-57.78	-13.00	-44.78

Table 7-111. Antenna 2 Radiated Spurious Data (WCDMA AWS – High Channel)

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7.8 Frequency Stability / Temperature Variation

§2.1053, §27.53

Test Overview and Limit

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

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

For Part 27, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

Test Procedure Used

ANSI C63.26-2015

TIA-603-E-2016

Test Settings

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

Test Setup

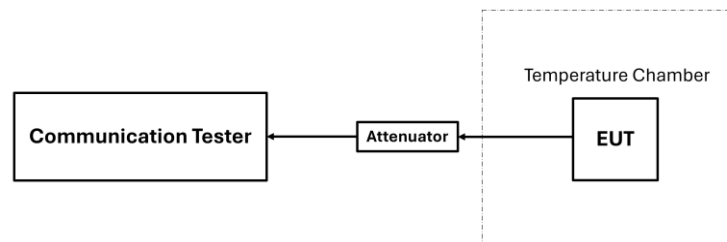


Figure 7-13. LTE Test Instrument & Measurement Setup

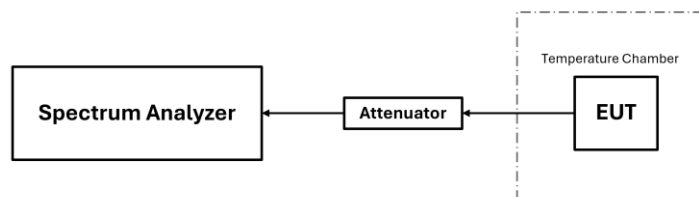


Figure 7-14. FR1 Test Instrument & Measurement Setup

Test Notes

- All ports were tested and only the worst case data were reported

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Frequency Stability / Temperature Variation

LTE Band 66/4				
		Operating Band Lower Boundary (GHz)		1.710
		Ref. Voltage (VDC):		3.80
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.71015415	-0.00015415
		- 20	1.71024652	-0.00024652
		- 10	1.71025429	-0.00025429
		0	1.71090893	-0.00090893
		+ 10	1.71033686	-0.00033686
		+ 20 (Ref)	1.71027810	-0.00027810
		+ 30	1.71005254	-0.00005254
		+ 40	1.71082586	-0.00082586
		+ 50	1.71060302	-0.00060302
Battery Endpoint	3.40	+ 20	1.71097892	-0.00097892

Table 7-112. LTE Band 66/4 Lower Boundary Frequency Stability Data

LTE Band 66/4				
		Operating Band Upper Boundary (GHz)		1.780
		Ref. Voltage (VDC):		3.80
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.77958447	-0.00041553
		- 20	1.77919338	-0.00080662
		- 10	1.77957741	-0.00042259
		0	1.77984167	-0.00015833
		+ 10	1.77941816	-0.00058184
		+ 20 (Ref)	1.77995918	-0.00004082
		+ 30	1.77934038	-0.00065962
		+ 40	1.77958262	-0.00041738
		+ 50	1.77996142	-0.00003858
Battery Endpoint	3.40	+ 20	1.77987687	-0.00012313

Table 7-113. LTE Band 66/4 Upper Boundary Frequency Stability Data

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Frequency Stability / Temperature Variation

LTE Band 71				
		Operating Band Lower Boundary (GHz)	0.663	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.66317068	-0.00017068
		- 20	0.66346949	-0.00046949
		- 10	0.66380149	-0.00080149
		0	0.66379058	-0.00079058
		+ 10	0.66392617	-0.00092617
		+ 20 (Ref)	0.66374587	-0.00074587
		+ 30	0.66379761	-0.00079761
		+ 40	0.66366131	-0.00066131
		+ 50	0.66341174	-0.00041174
Battery Endpoint	3.40	+ 20	0.66361748	-0.00061748

Table 7-114. LTE Band 71 Lower Boundary Frequency Stability Data

LTE Band 71				
		Operating Band Upper Boundary (GHz)	0.698	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.69712232	-0.00087768
		- 20	0.69731494	-0.00068506
		- 10	0.69752238	-0.00047762
		0	0.69770837	-0.00029163
		+ 10	0.69766138	-0.00033862
		+ 20 (Ref)	0.69790650	-0.00009350
		+ 30	0.69793059	-0.00006941
		+ 40	0.69741441	-0.00058559
		+ 50	0.69736486	-0.00063514
Battery Endpoint	3.40	+ 20	0.69711109	-0.00088891

Table 7-115. LTE Band 71 Upper Boundary Frequency Stability Data

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Frequency Stability / Temperature Variation

LTE Band 12/17				
		Operating Band Lower Boundary (GHz)	0.699	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.69957709	-0.00057709
		- 20	0.69948258	-0.00048258
		- 10	0.69951728	-0.00051728
		0	0.69940976	-0.00040976
		+ 10	0.69929819	-0.00029819
		+ 20 (Ref)	0.69974498	-0.00074498
		+ 30	0.69902935	-0.00002935
		+ 40	0.69938622	-0.00038622
		+ 50	0.69996734	-0.00096734
Battery Endpoint	3.40	+ 20	0.69913566	-0.00013566

Table 7-116. LTE Band 12/17 Lower Boundary Frequency Stability Data

LTE Band 12/17				
		Operating Band Upper Boundary (GHz)	0.716	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.71501212	-0.00098788
		- 20	0.71581375	-0.00018625
		- 10	0.71564689	-0.00035311
		0	0.71530363	-0.00069637
		+ 10	0.71526593	-0.00073407
		+ 20 (Ref)	0.71591288	-0.00008712
		+ 30	0.71577682	-0.00022318
		+ 40	0.71512169	-0.00087831
		+ 50	0.71569151	-0.00030849
Battery Endpoint	3.40	+ 20	0.71505533	-0.00094467

Table 7-117. LTE Band 12/17 Upper Boundary Frequency Stability Data

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Frequency Stability / Temperature Variation

LTE Band 13				
		Operating Band Lower Boundary (GHz)		0.777
		Ref. Voltage (VDC):		3.80
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.77772643	-0.00072643
		- 20	0.77756483	-0.00056483
		- 10	0.77780150	-0.00080150
		0	0.77779451	-0.00079451
		+ 10	0.77776981	-0.00076981
		+ 20 (Ref)	0.77781447	-0.00081447
		+ 30	0.77751113	-0.00051113
		+ 40	0.77797258	-0.00097258
		+ 50	0.77773818	-0.00073818
Battery Endpoint	3.40	+ 20	0.77785259	-0.00085259

Table 7-118. LTE Band 13 Lower Boundary Frequency Stability Data

LTE Band 13				
		Operating Band Upper Boundary (GHz)		0.787
		Ref. Voltage (VDC):		3.80
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.78660778	-0.00039222
		- 20	0.78618481	-0.00081519
		- 10	0.78609872	-0.00090128
		0	0.78676463	-0.00023537
		+ 10	0.78666864	-0.00033136
		+ 20 (Ref)	0.78684767	-0.00015233
		+ 30	0.78634058	-0.00065942
		+ 40	0.78682215	-0.00017785
		+ 50	0.78675131	-0.00024869
Battery Endpoint	3.40	+ 20	0.78696120	-0.00003880

Table 7-119. LTE Band 13 Upper Boundary Frequency Stability Data

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Frequency Stability / Temperature Variation

NR Band n66				
Operating Band Lower Boundary (GHz)			1.710	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.71084341	-0.00084341
		- 20	1.71029796	-0.00029796
		- 10	1.71054920	-0.00054920
		0	1.71017358	-0.00017358
		+ 10	1.71032558	-0.00032558
		+ 20 (Ref)	1.71034824	-0.00034824
		+ 30	1.71001592	-0.00001592
		+ 40	1.71005887	-0.00005887
		+ 50	1.71068792	-0.00068792
Battery Endpoint	3.40	+ 20	1.71027511	-0.00027511

Table 7-120. NR Band n66 Lower Boundary Frequency Stability Data

NR Band n66				
Operating Band Upper Boundary (GHz)			1.780	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.77998348	-0.00001652
		- 20	1.77966384	-0.00033616
		- 10	1.77998109	-0.00001891
		0	1.77903117	-0.00096883
		+ 10	1.77947740	-0.00052260
		+ 20 (Ref)	1.77952834	-0.00047166
		+ 30	1.77964425	-0.00035575
		+ 40	1.77938889	-0.00061111
		+ 50	1.77942879	-0.00057121
Battery Endpoint	3.40	+ 20	1.77936742	-0.00063258

Table 7-121. NR Band n66 Upper Boundary Frequency Stability Data

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Frequency Stability / Temperature Variation

NR Band n70				
Operating Band Lower Boundary (GHz)		1.695		
Ref. Voltage (VDC):		3.80		
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.69506604	-0.00006604
		- 20	1.69549584	-0.00049584
		- 10	1.69510769	-0.00010769
		0	1.69595563	-0.00095563
		+ 10	1.69528167	-0.00028167
		+ 20 (Ref)	1.69552329	-0.00052329
		+ 30	1.69582872	-0.00082872
		+ 40	1.69578043	-0.00078043
		+ 50	1.69595784	-0.00095784
Battery Endpoint	3.40	+ 20	1.69528160	-0.00028160

Table 7-122. NR Band n70 Lower Boundary Frequency Stability Data

NR Band n70				
Operating Band Upper Boundary (GHz)		1.710		
Ref. Voltage (VDC):		3.80		
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.70936284	-0.00063716
		- 20	1.70996734	-0.00003266
		- 10	1.70973466	-0.00026534
		0	1.70989555	-0.00010445
		+ 10	1.70946942	-0.00053058
		+ 20 (Ref)	1.70927923	-0.00072077
		+ 30	1.70909420	-0.00090580
		+ 40	1.70978214	-0.00021786
		+ 50	1.70956688	-0.00043312
Battery Endpoint	3.40	+ 20	1.70915226	-0.00084774

Table 7-123. NR Band n70 Upper Boundary Frequency Stability Data

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Frequency Stability / Temperature Variation

NR Band n71

Operating Band Lower Boundary (GHz)		0.663		
Ref. Voltage (VDC):		3.80		
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.66316748	-0.00016748
		- 20	0.66338897	-0.00038897
		- 10	0.66375820	-0.00075820
		0	0.66321517	-0.00021517
		+ 10	0.66318977	-0.00018977
		+ 20 (Ref)	0.66394151	-0.00094151
		+ 30	0.66315534	-0.00015534
		+ 40	0.66338339	-0.00038339
		+ 50	0.66307831	-0.00007831
Battery Endpoint	3.40	+ 20	0.66317253	-0.00017253

Table 7-124. NR Band n71 Lower Boundary Frequency Stability Data

NR Band n71

Operating Band Upper Boundary (GHz)		0.698		
Ref. Voltage (VDC):		3.80		
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.69749152	-0.00050848
		- 20	0.69784076	-0.00015924
		- 10	0.69778521	-0.00021479
		0	0.69750946	-0.00049054
		+ 10	0.69783992	-0.00016008
		+ 20 (Ref)	0.69764795	-0.00035205
		+ 30	0.69712468	-0.00087532
		+ 40	0.69785523	-0.00014477
		+ 50	0.69778225	-0.00021775
Battery Endpoint	3.40	+ 20	0.69707595	-0.00092405

Table 7-125. NR Band n71 Upper Boundary Frequency Stability Data

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Frequency Stability / Temperature Variation

NR Band n12				
Operating Band Lower Boundary (GHz)			0.699	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.69945115	-0.00045115
		- 20	0.69990728	-0.00090728
		- 10	0.69997530	-0.00097530
		0	0.69981207	-0.00081207
		+ 10	0.69954748	-0.00054748
		+ 20 (Ref)	0.69997216	-0.00097216
		+ 30	0.69932042	-0.00032042
		+ 40	0.69916720	-0.00016720
		+ 50	0.69972393	-0.00072393
Battery Endpoint	3.40	+ 20	0.69943971	-0.00043971

Table 7-126. NR Band n12 Lower Boundary Frequency Stability Data

NR Band n12				
Operating Band Upper Boundary (GHz)			0.716	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.71539798	-0.00060202
		- 20	0.71577670	-0.00022330
		- 10	0.71545390	-0.00054610
		0	0.71596309	-0.00003691
		+ 10	0.71569112	-0.00030888
		+ 20 (Ref)	0.71592453	-0.00007547
		+ 30	0.71596893	-0.00003107
		+ 40	0.71519713	-0.00080287
		+ 50	0.71553457	-0.00046543
Battery Endpoint	3.40	+ 20	0.71552585	-0.00047415

Table 7-127. NR Band n12 Upper Boundary Frequency Stability Data

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Frequency Stability / Temperature Variation

WCDMA AWS				
Operating Band Lower Boundary (GHz)			1.710	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.71080074	-0.00080074
		- 20	1.71074395	-0.00074395
		- 10	1.71053698	-0.00053698
		0	1.71006433	-0.00006433
		+ 10	1.71049960	-0.00049960
		+ 20 (Ref)	1.71096877	-0.00096877
		+ 30	1.71094505	-0.00094505
		+ 40	1.71043379	-0.00043379
		+ 50	1.71021469	-0.00021469
Battery Endpoint	3.40	+ 20	1.71035418	-0.00035418

Table 7-128. WCDMA AWS Lower Boundary Frequency Stability Data

WCDMA AWS				
Operating Band Upper Boundary (GHz)			1.755	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	1.75496085	-0.00003915
		- 20	1.75450016	-0.00049984
		- 10	1.75481003	-0.00018997
		0	1.75450634	-0.00049366
		+ 10	1.75410893	-0.00089107
		+ 20 (Ref)	1.75400544	-0.00099456
		+ 30	1.75405429	-0.00094571
		+ 40	1.75447395	-0.00052605
		+ 50	1.75412528	-0.00087472
Battery Endpoint	3.40	+ 20	1.75493779	-0.00006221

Table 7-129. WCDMA AWS Upper Boundary Frequency Stability Data

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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Apple Tablet Device** **FCC ID: BCGA3269** complies with all the requirements of Part 27 of the FCC rules.

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