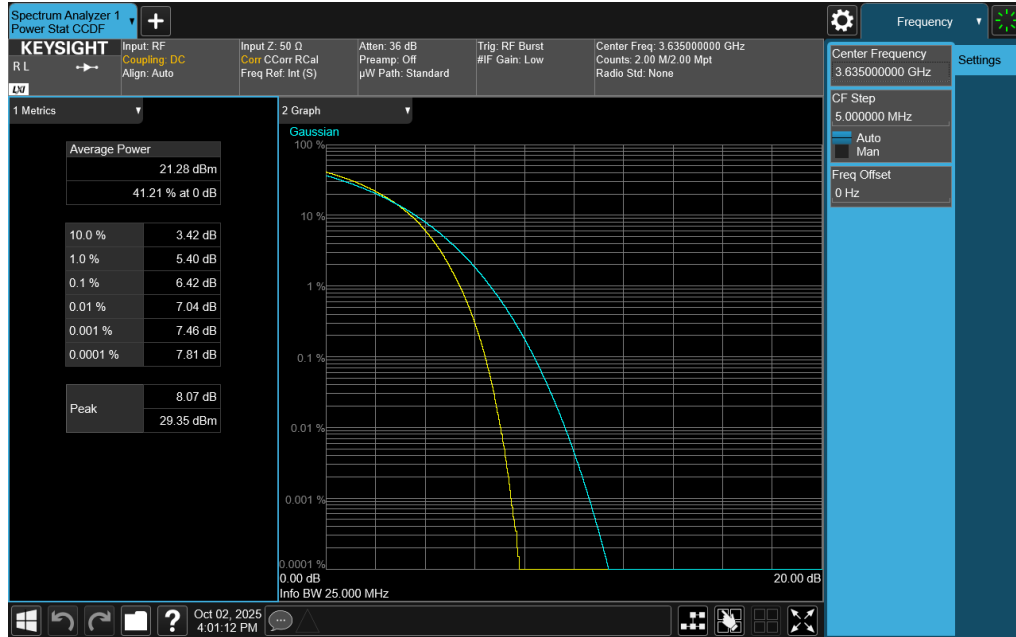
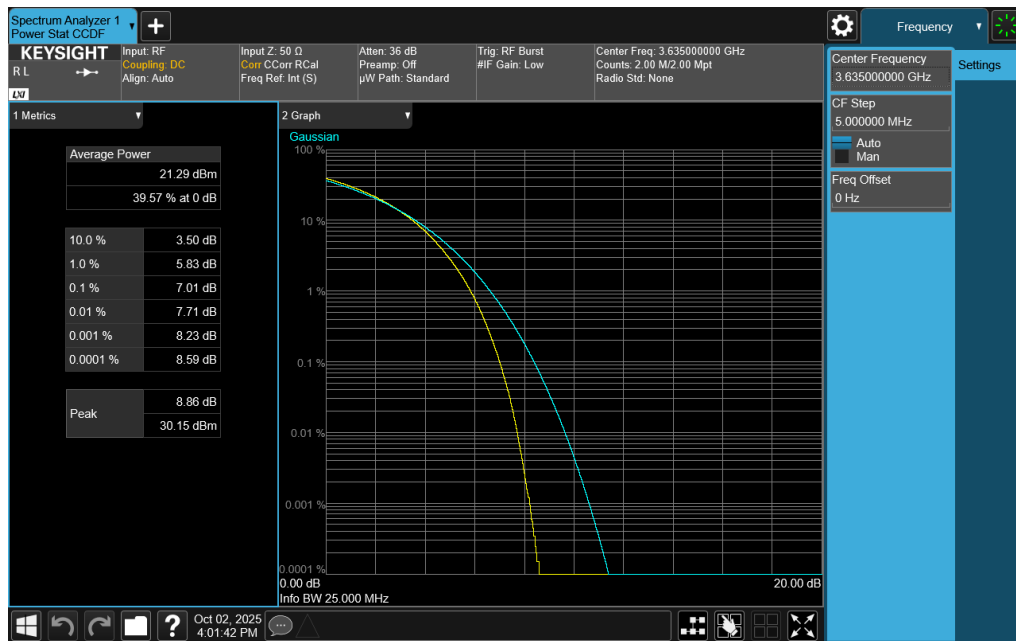


ULCA LTE Band 48



Plot 7-137. PAR Plot (ULCA LTE Band 48 – 20+5MHz QPSK – Full RB)

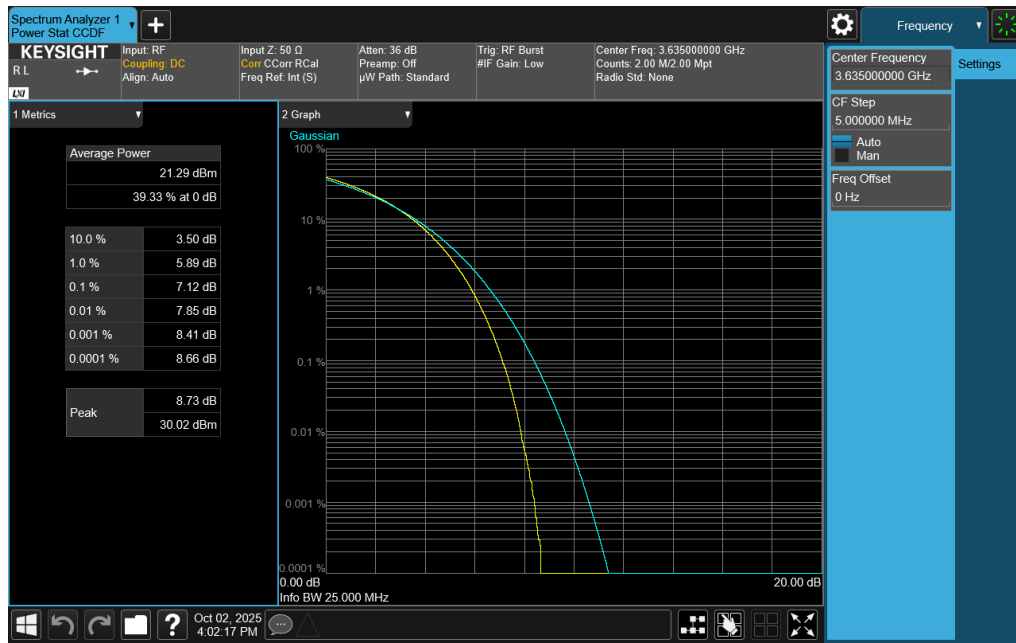


Plot 7-138. PAR Plot (ULCA LTE Band 48 - 20+5MHz 16-QAM – Full RB)

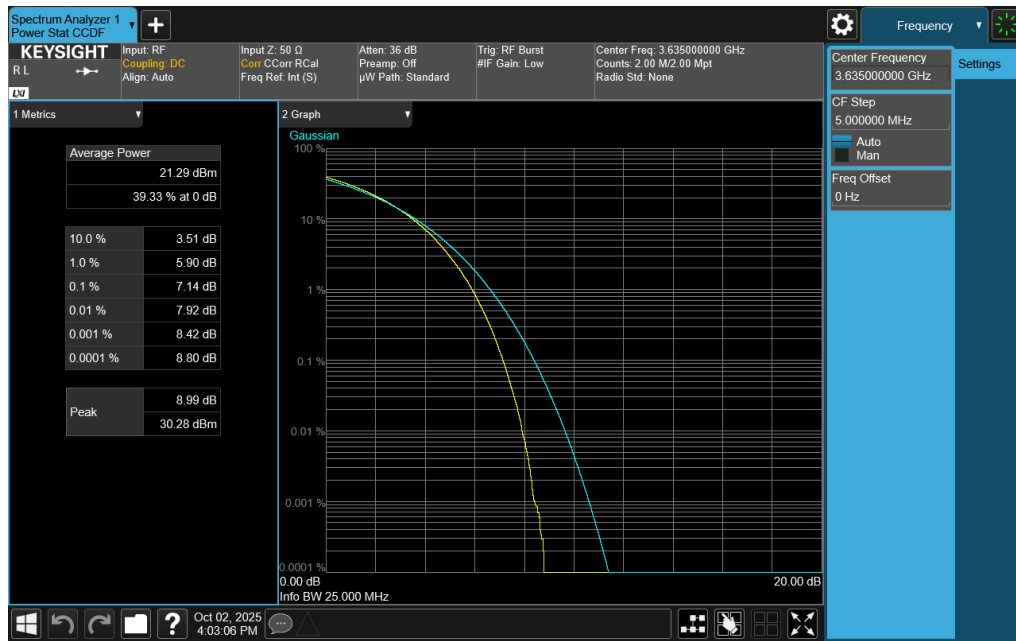
FCC ID: BCGA3460	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100080-13-R3.BCG	Test Dates: 07/01/2025-10/23/2025	EUT Type: Tablet Device
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Plot 7-139. PAR Plot (ULCA LTE Band 48 - 20+5MHz 64-QAM – Full RB)

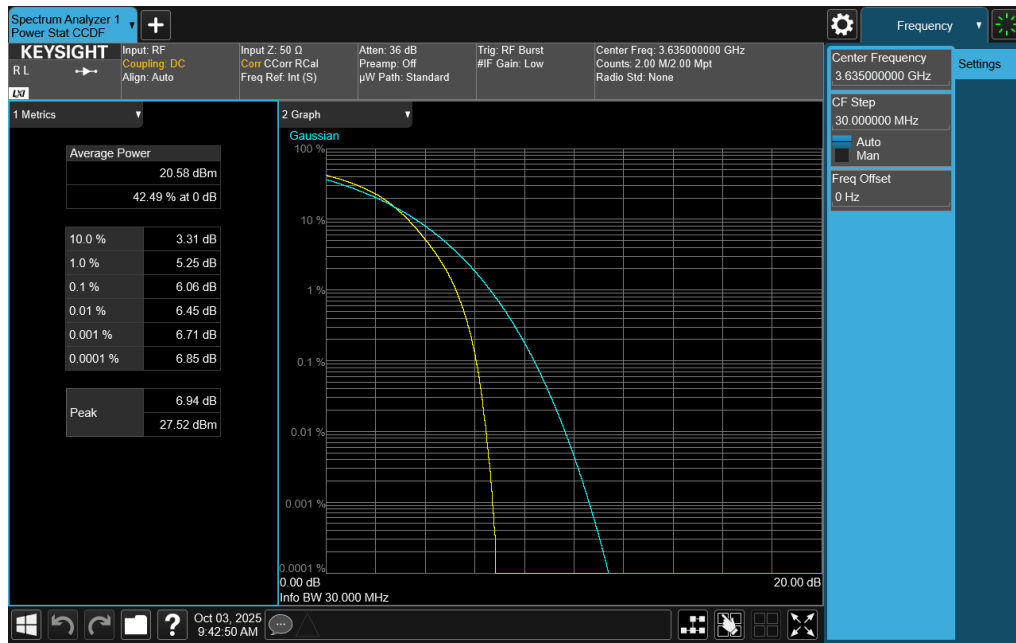


Plot 7-140. PAR Plot (ULCA LTE Band 48 - 20+5MHz 256-QAM – Full RB)

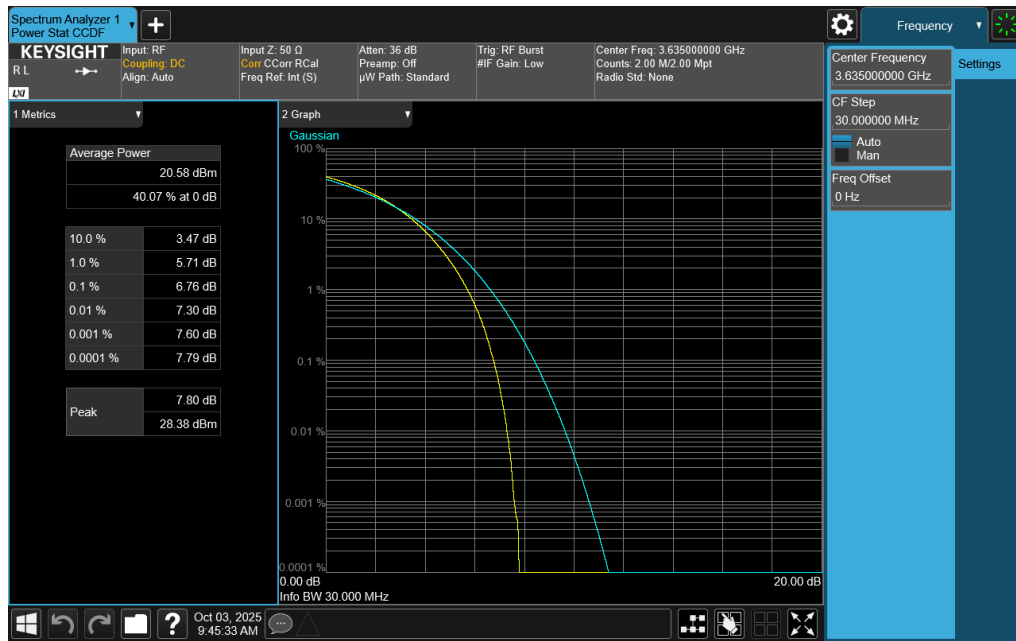
FCC ID: BCGA3460	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100080-13-R3.BCG	Test Dates: 07/01/2025-10/23/2025	EUT Type: Tablet Device
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Plot 7-141. PAR Plot (ULCA LTE Band 48 - 20+10MHz QPSK – Full RB)

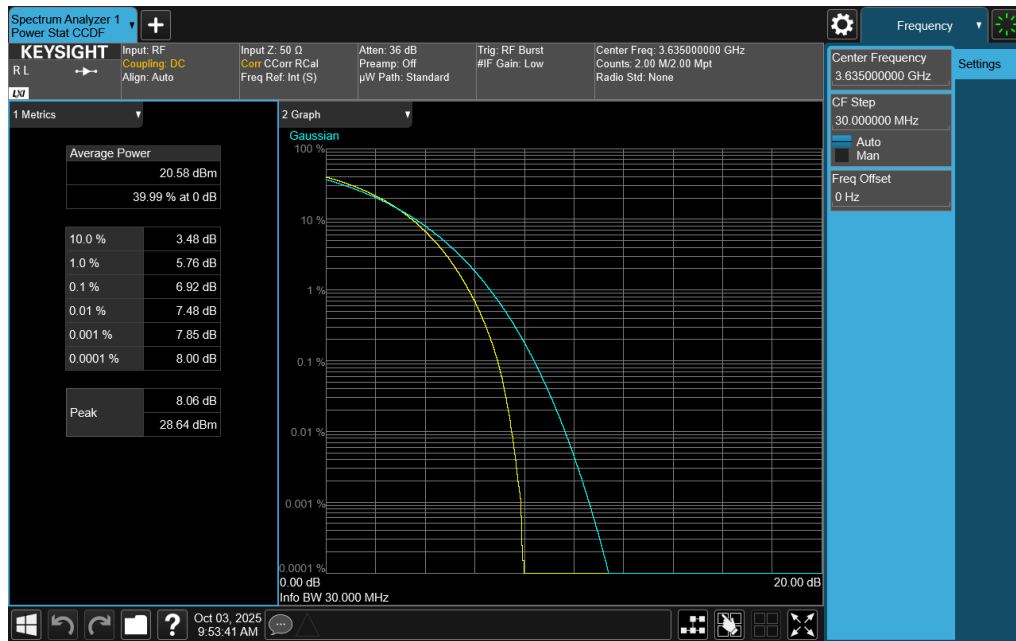


Plot 7-142. PAR Plot (ULCA LTE Band 48 - 20+10MHz 16-QAM – Full RB)

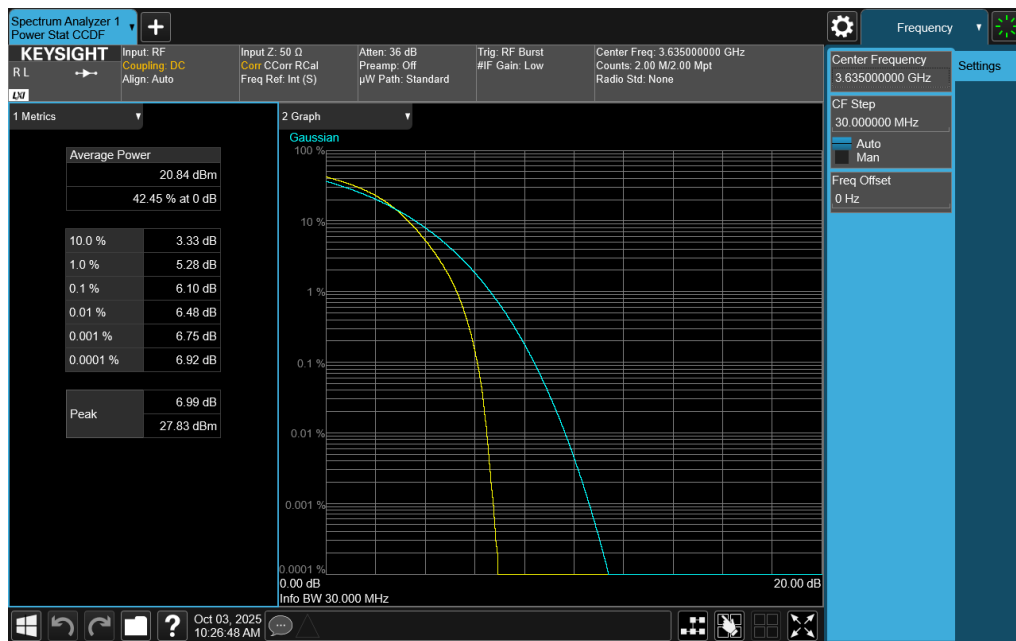
FCC ID: BCGA3460	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100080-13-R3.BCG	Test Dates: 07/01/2025-10/23/2025	EUT Type: Tablet Device
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Plot 7-143. PAR Plot (ULCA LTE Band 48 - 20+10MHz 64-QAM – Full RB)

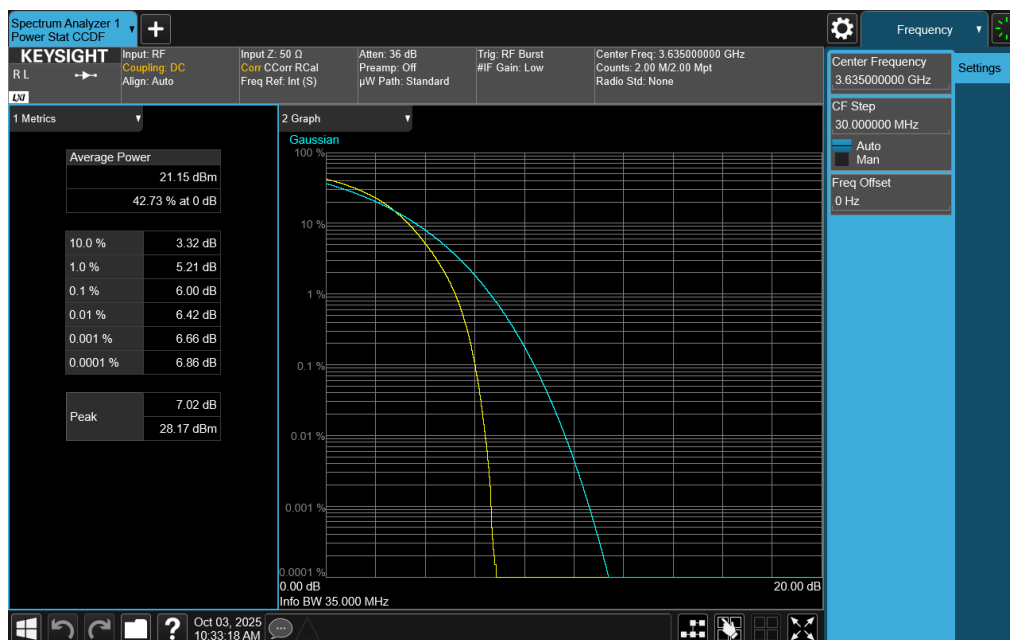


Plot 7-144. PAR Plot (ULCA LTE Band 48 - 20+10MHz 256-QAM – Full RB)

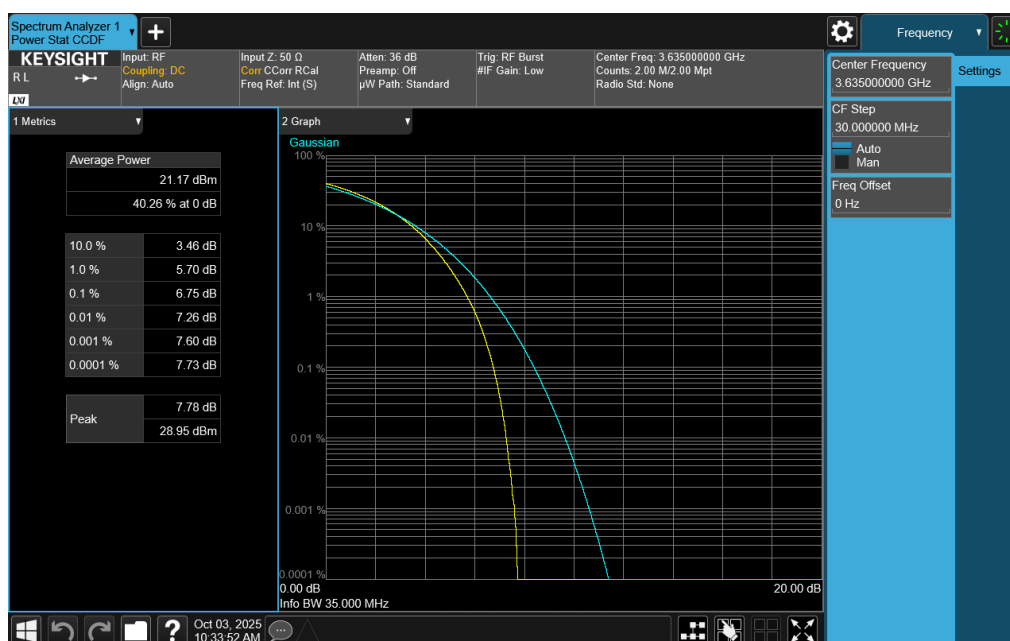
FCC ID: BCGA3460	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100080-13-R3.BCG	Test Dates: 07/01/2025-10/23/2025	EUT Type: Tablet Device
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Plot 7-145. PAR Plot (ULCA LTE Band 48 - 20+15MHz QPSK – Full RB)

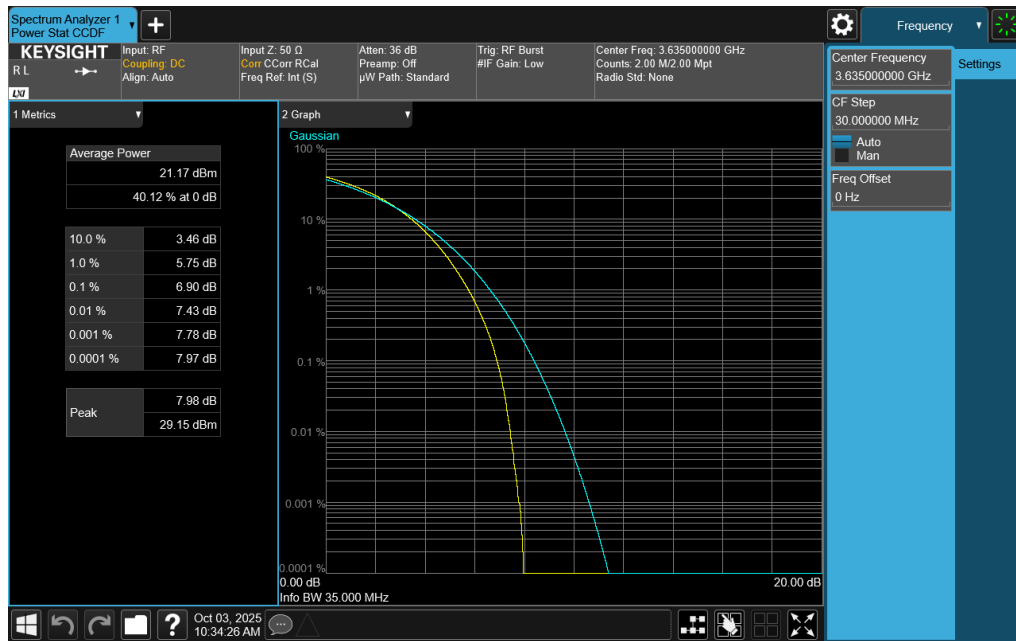


Plot 7-146. PAR Plot (ULCA LTE Band 48 - 20+15MHz 16-QAM – Full RB)

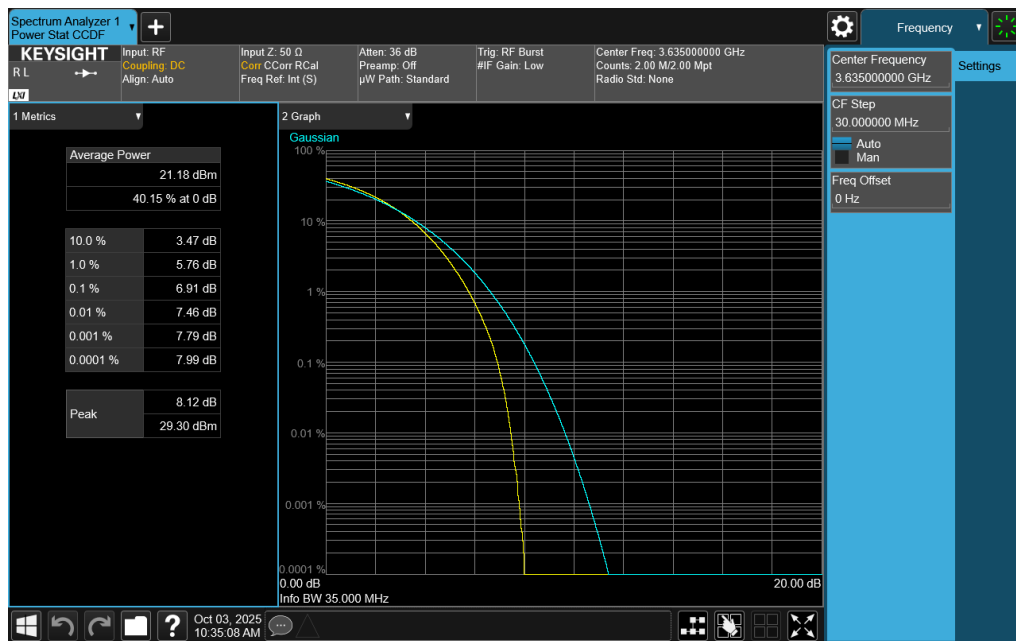
FCC ID: BCGA3460	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100080-13-R3.BCG	Test Dates: 07/01/2025-10/23/2025	EUT Type: Tablet Device
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Plot 7-147. PAR Plot (ULCA LTE Band 48 - 20+15MHz 64-QAM – Full RB)

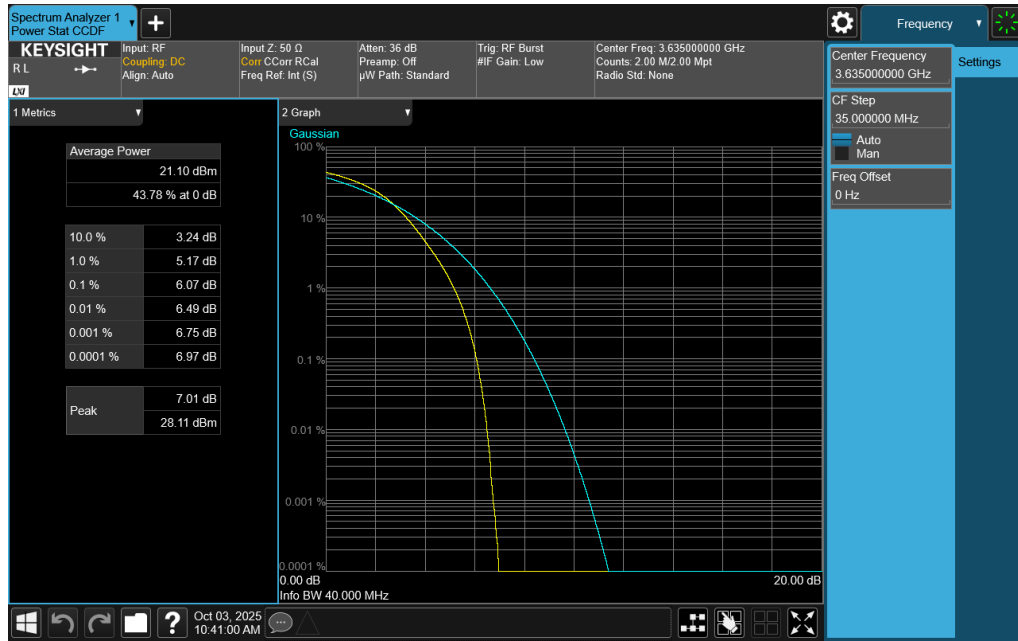


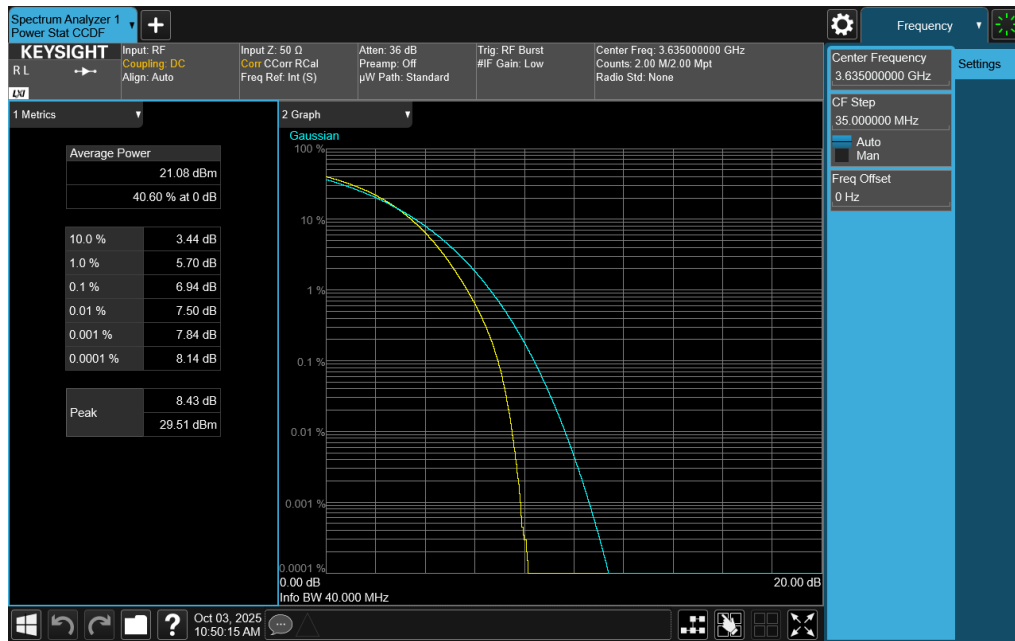
Plot 7-148. PAR Plot (ULCA LTE Band 48 - 20+15MHz 256-QAM – Full RB)

FCC ID: BCGA3460	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100080-13-R3.BCG	Test Dates: 07/01/2025-10/23/2025	EUT Type: Tablet Device
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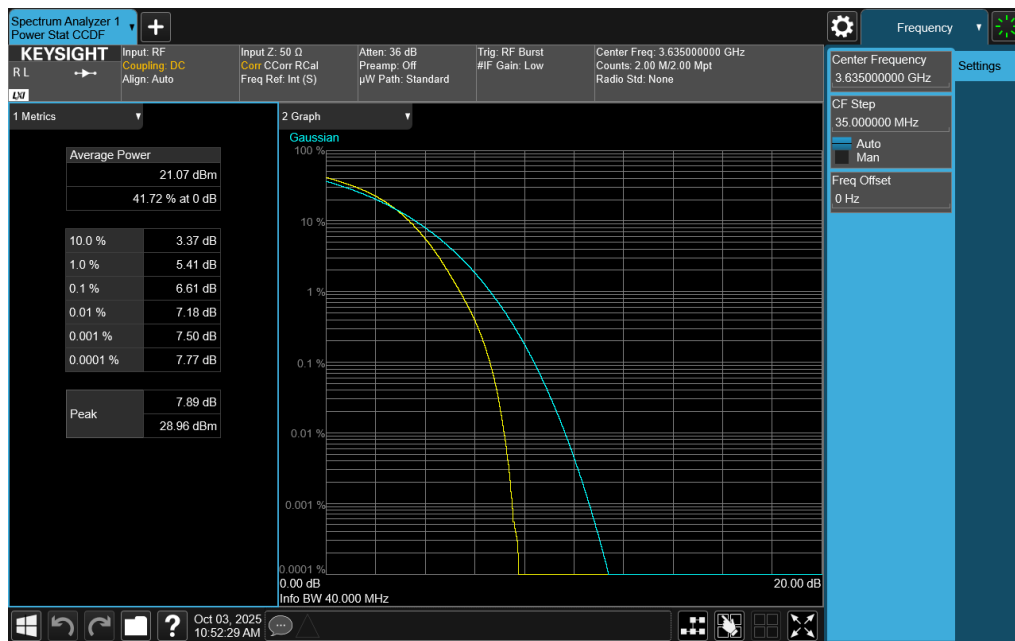
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Plot 7-151. PAR Plot (ULCA LTE Band 48 - 20+20MHz 64-QAM – Full RB)



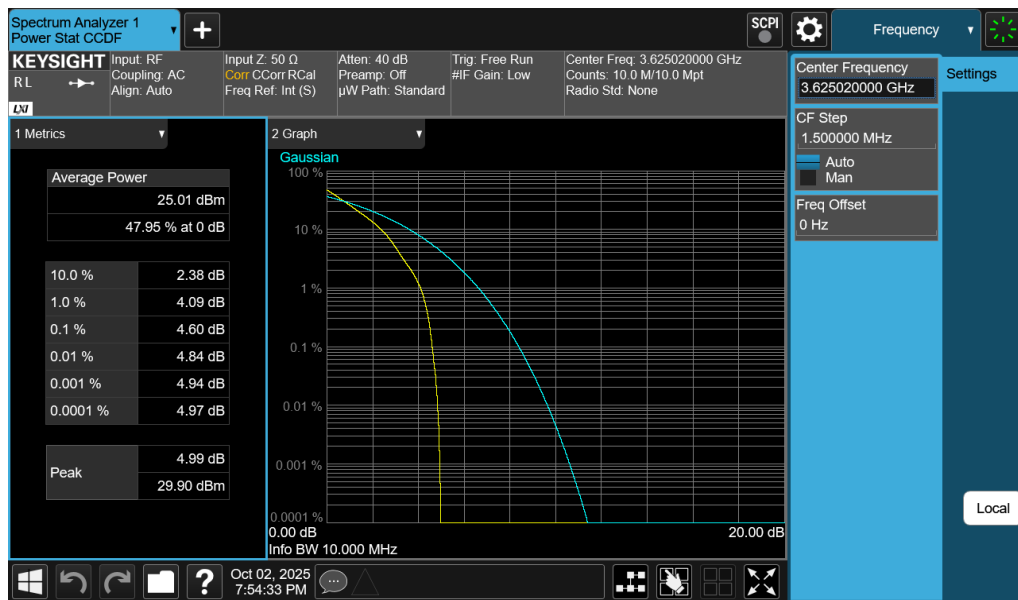
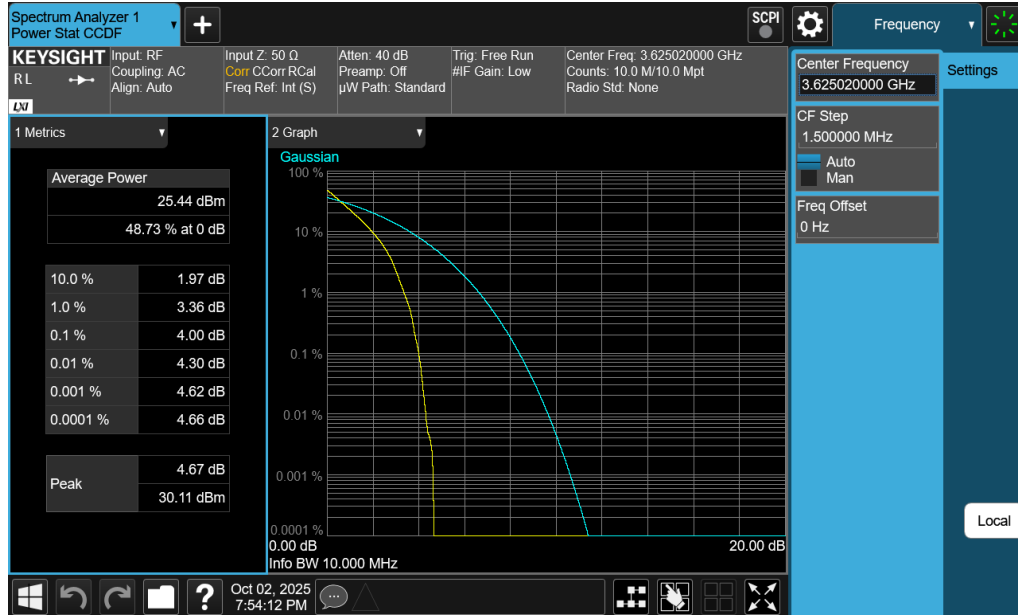
Plot 7-152. PAR Plot (ULCA LTE Band 48 - 20+20MHz 256-QAM – Full RB)

FCC ID: BCGA3460	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100080-13-R3.BCG	Test Dates: 07/01/2025-10/23/2025	EUT Type: Tablet Device
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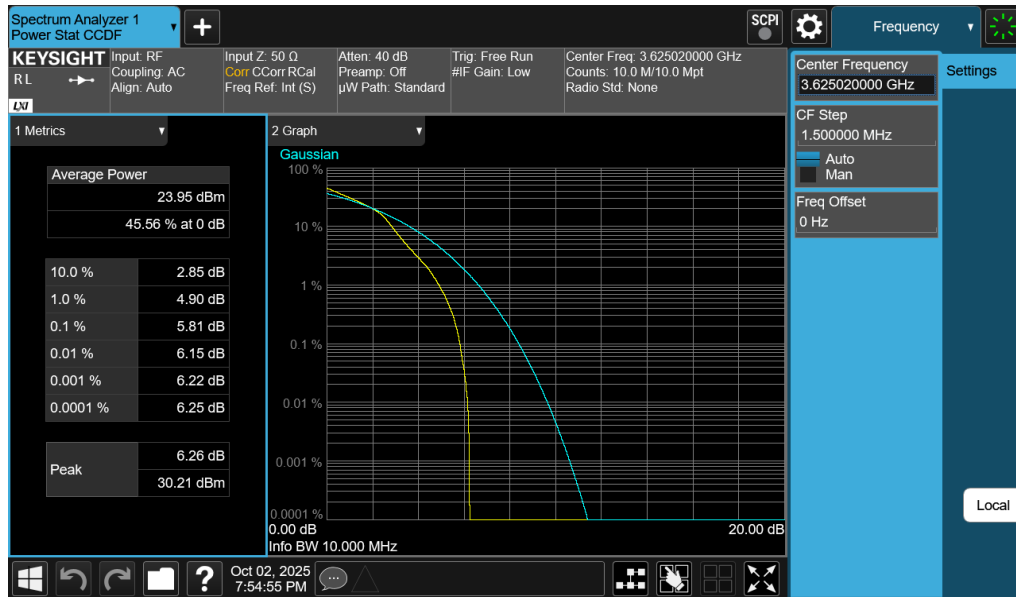
NR Band n48



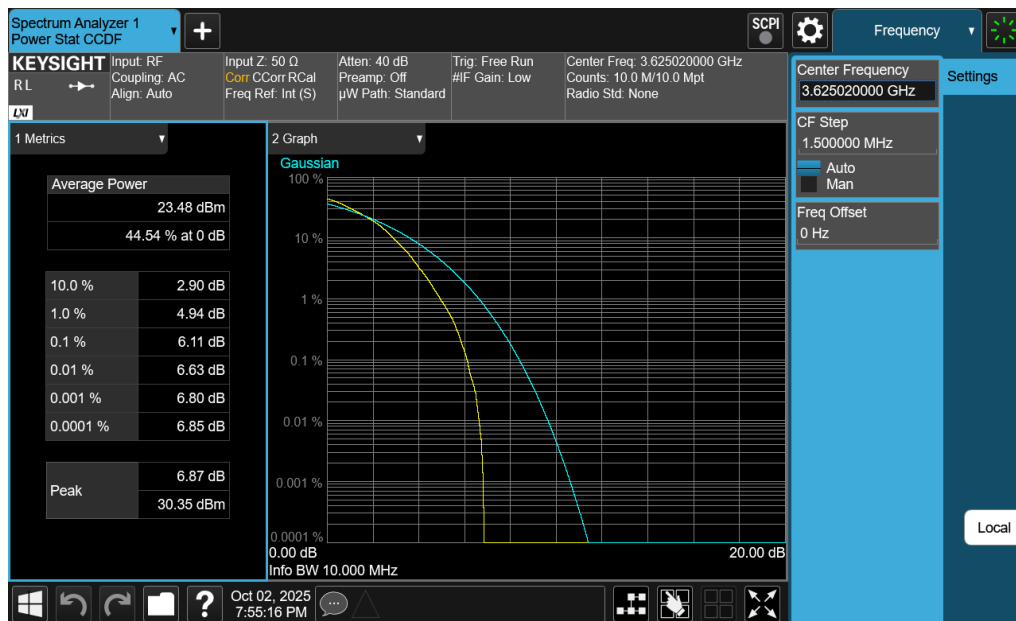
FCC ID: BCGA3460	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100080-13-R3.BCG	Test Dates: 07/01/2025-10/23/2025	EUT Type: Tablet Device
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Plot 7-155. PAR Plot (NR Band n48 - 10MHz DFT-s-OFDM 16-QAM)

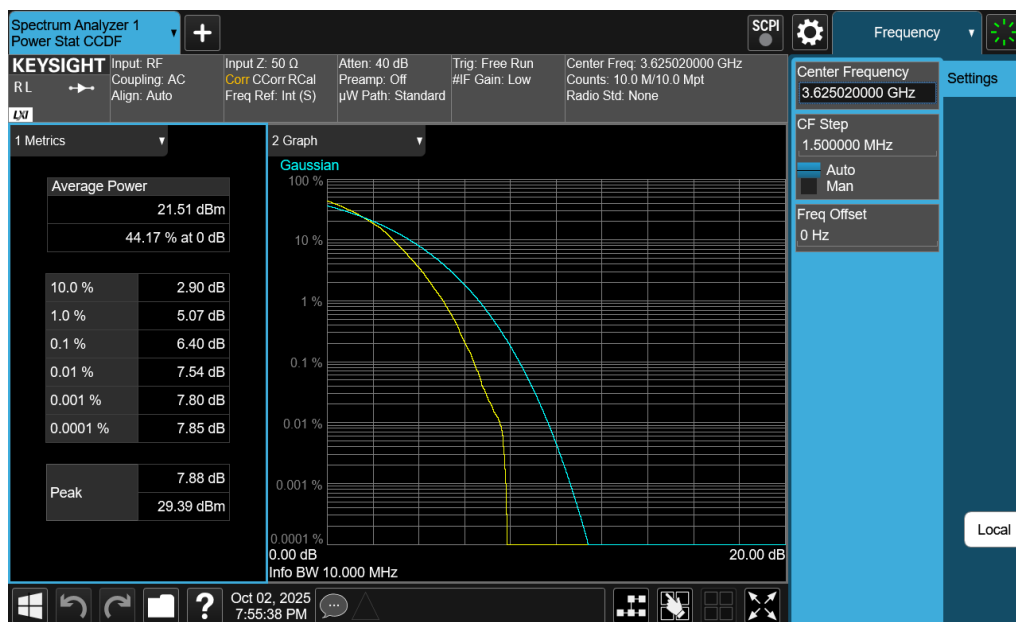


Plot 7-156. PAR Plot (NR Band n48 - 10MHz DFT-s-OFDM 64-QAM)

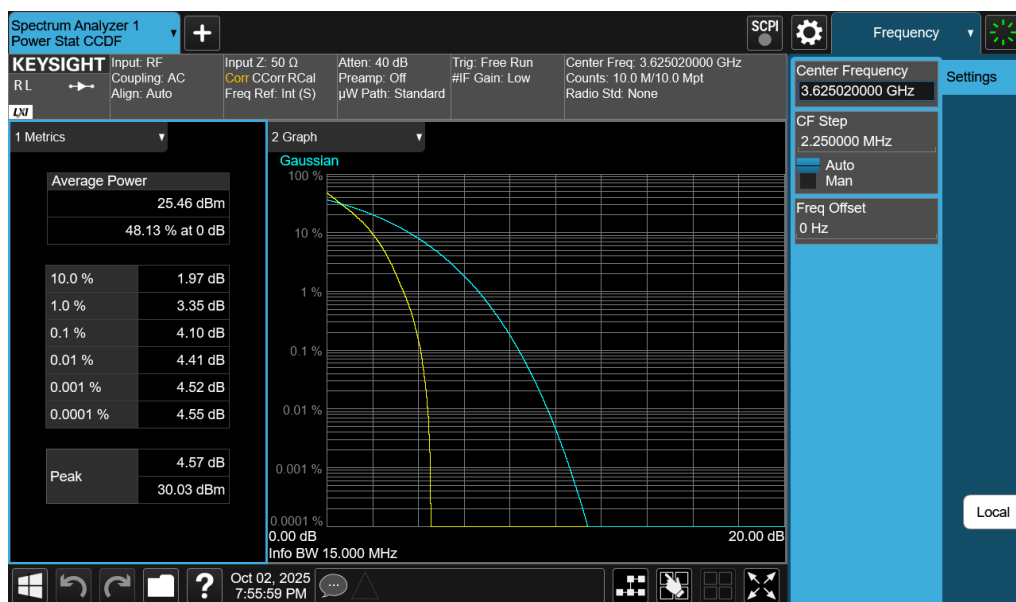
FCC ID: BCGA3460	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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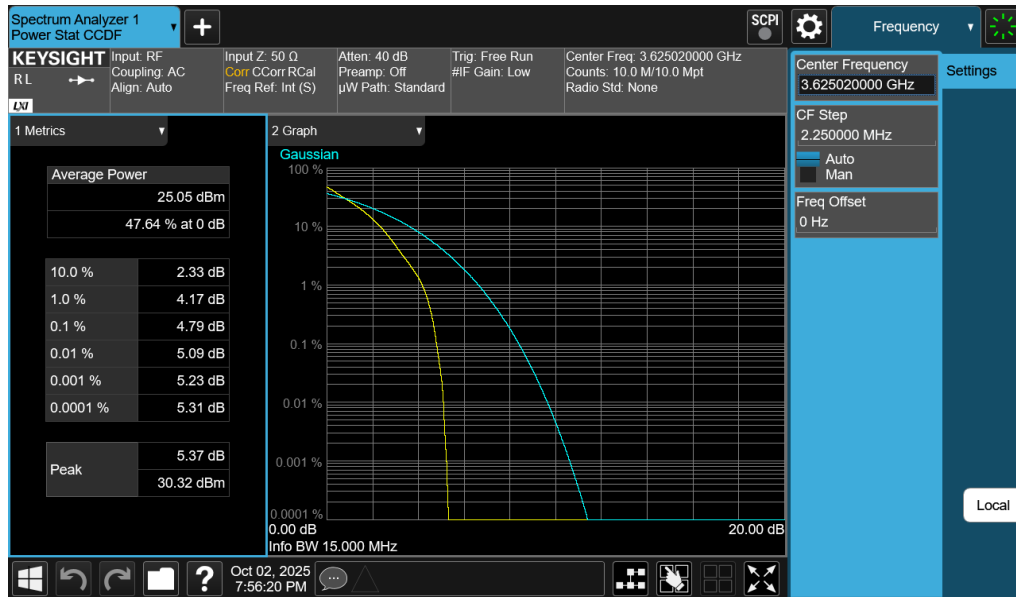


Plot 7-157. PAR Plot (NR Band n48 - 10MHz DFT-s-OFDM 256-QAM)

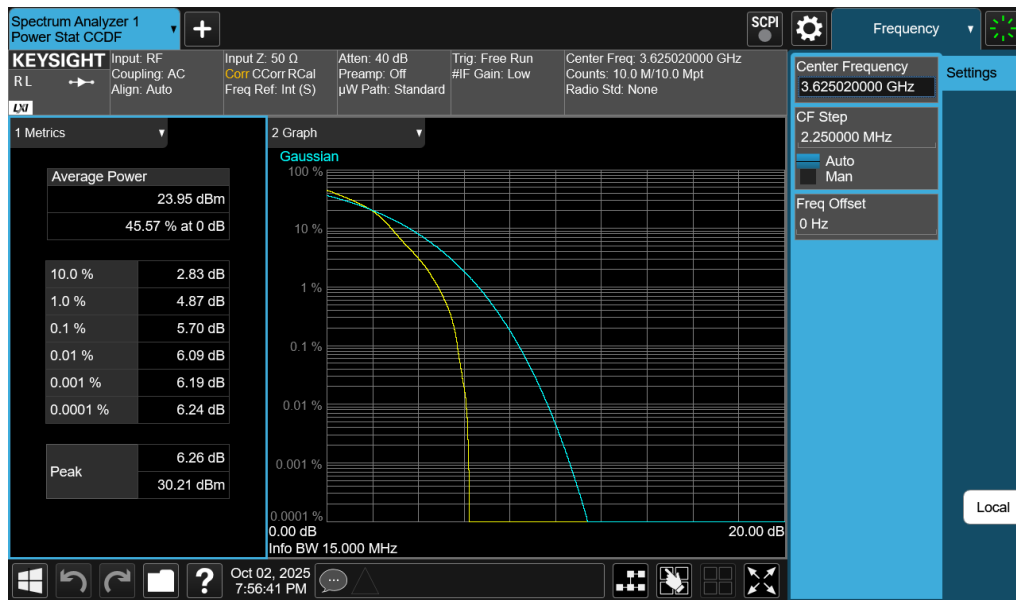


Plot 7-158. PAR Plot (NR Band n48 - 15MHz DFT-s-OFDM $\pi/2$ BPSK)

FCC ID: BCGA3460	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-159. PAR Plot (NR Band n48 - 15MHz DFT-s-OFDM QPSK)

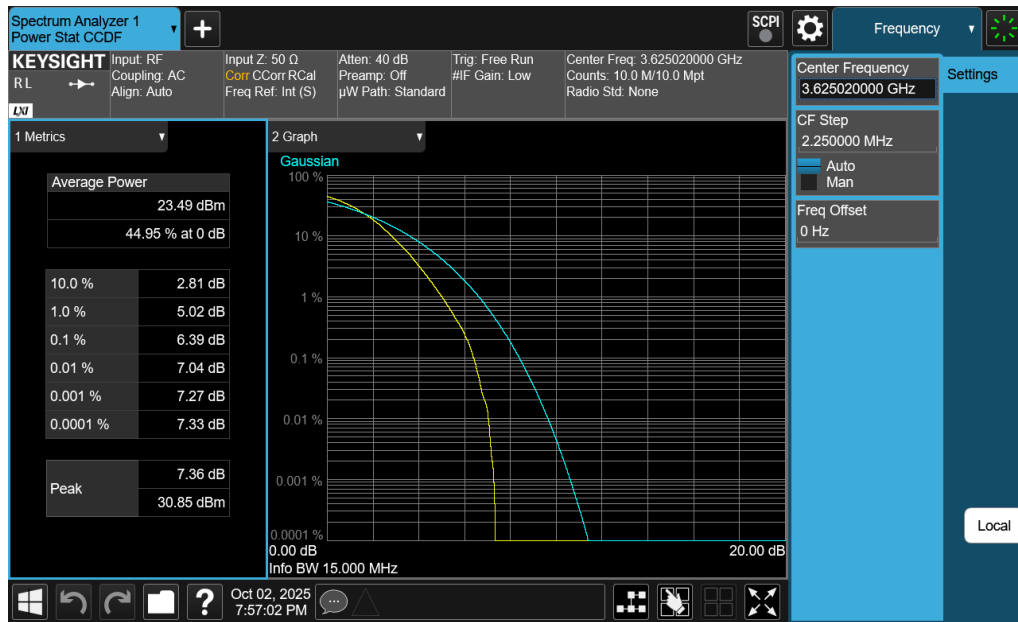


Plot 7-160. PAR Plot (NR Band n48 - 15MHz DFT-s-OFDM 16-QAM)

FCC ID: BCGA3460	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-161. PAR Plot (NR Band n48 - 15MHz DFT-s-OFDM 64-QAM)

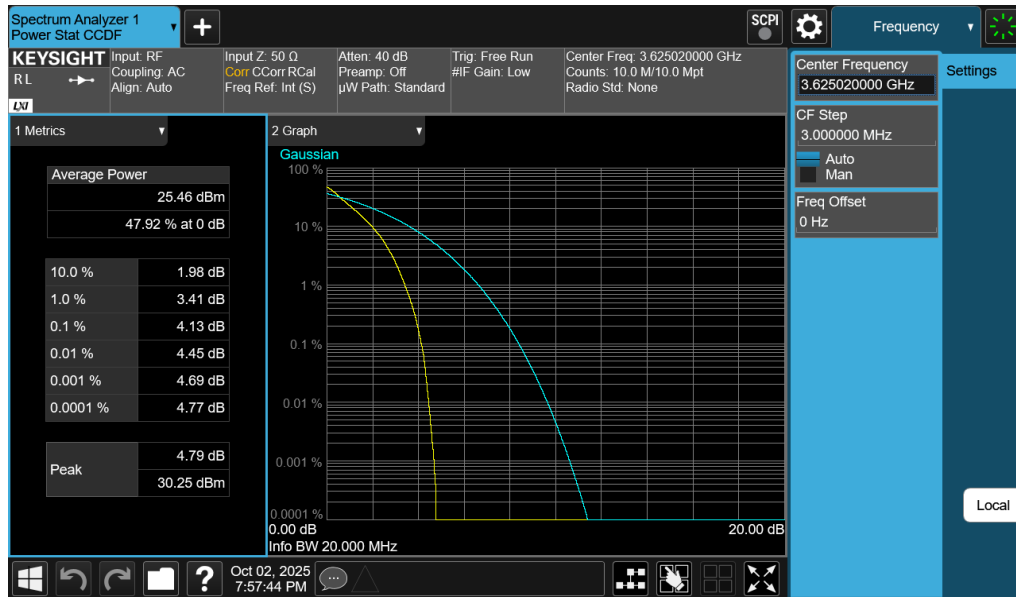


Plot 7-162. PAR Plot (NR Band n48 - 15MHz DFT-s-OFDM 256-QAM)

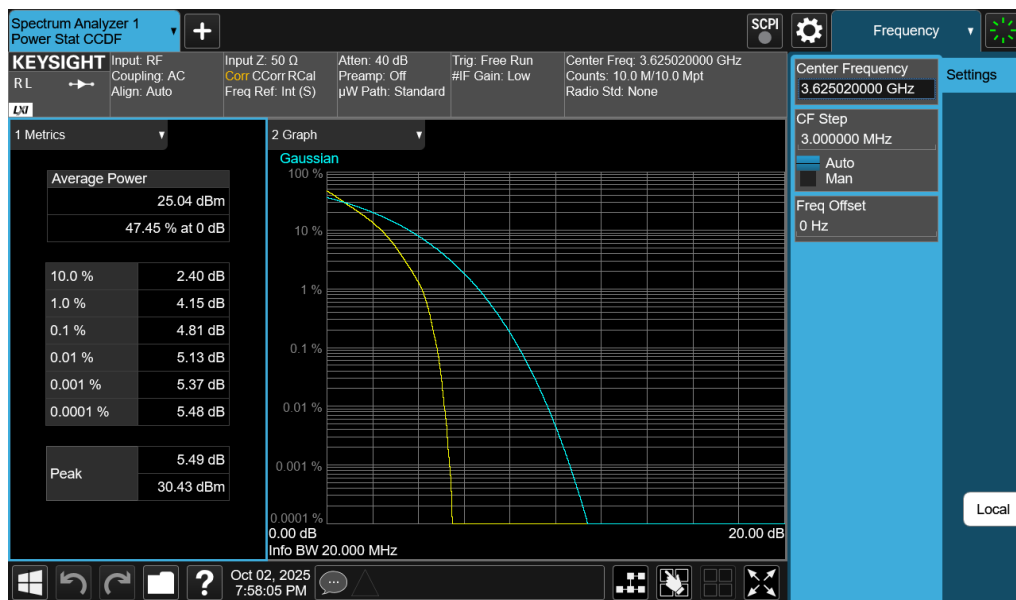
FCC ID: BCGA3460	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100080-13-R3.BCG	Test Dates: 07/01/2025-10/23/2025	EUT Type: Tablet Device
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Plot 7-163. PAR Plot (NR Band n48 - 20MHz DFT-s-OFDM $\pi/2$ BPSK)

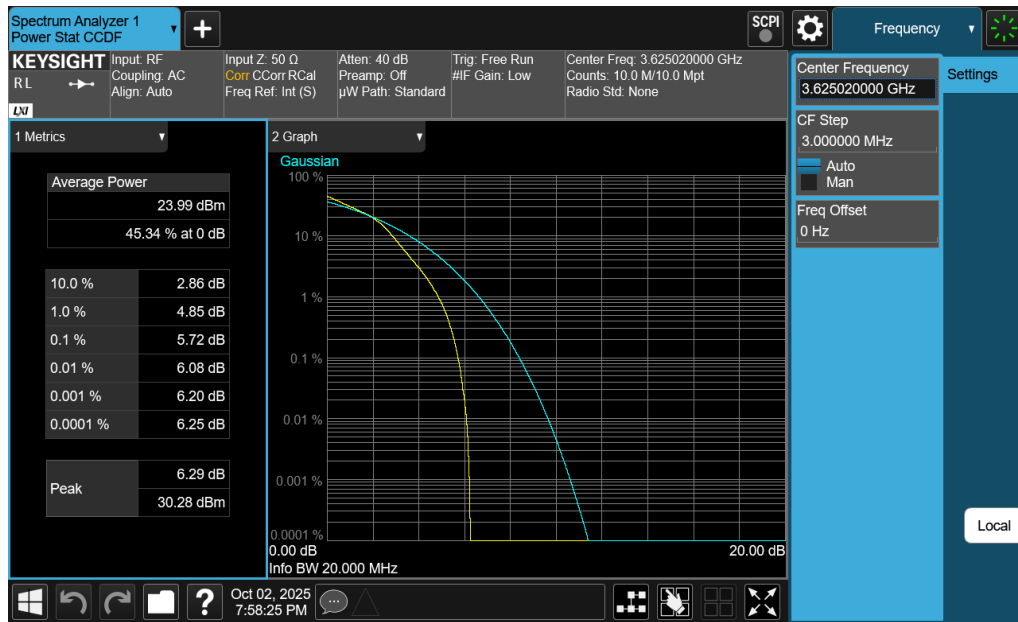


Plot 7-164. PAR Plot (NR Band n48 - 20MHz DFT-s-OFDM QPSK)

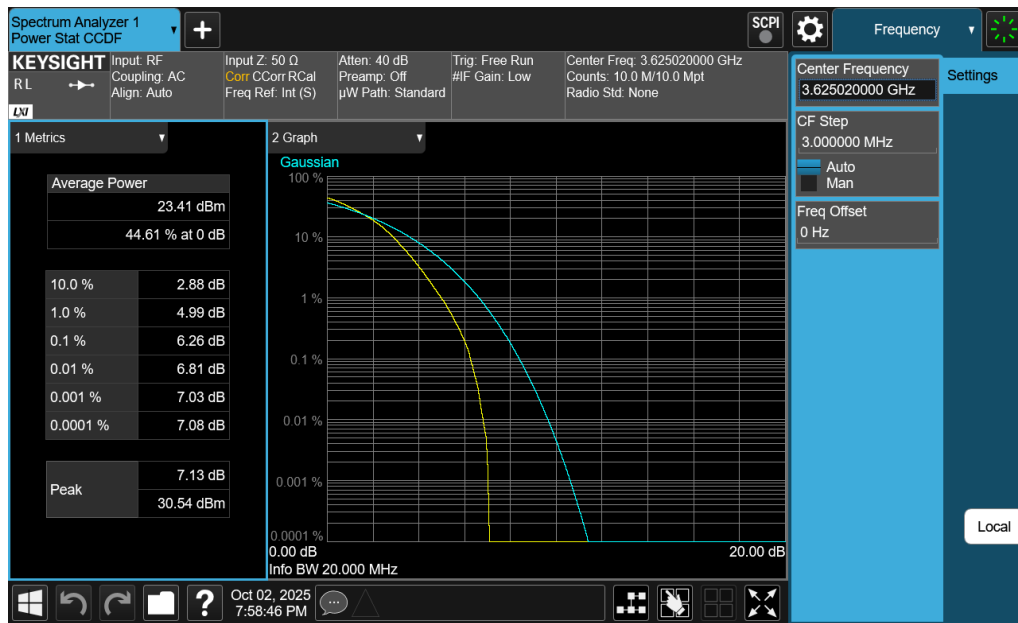
FCC ID: BCGA3460	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100080-13-R3.BCG	Test Dates: 07/01/2025-10/23/2025	EUT Type: Tablet Device
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Plot 7-165. PAR Plot (NR Band n48 - 20MHz DFT-s-OFDM 16-QAM)

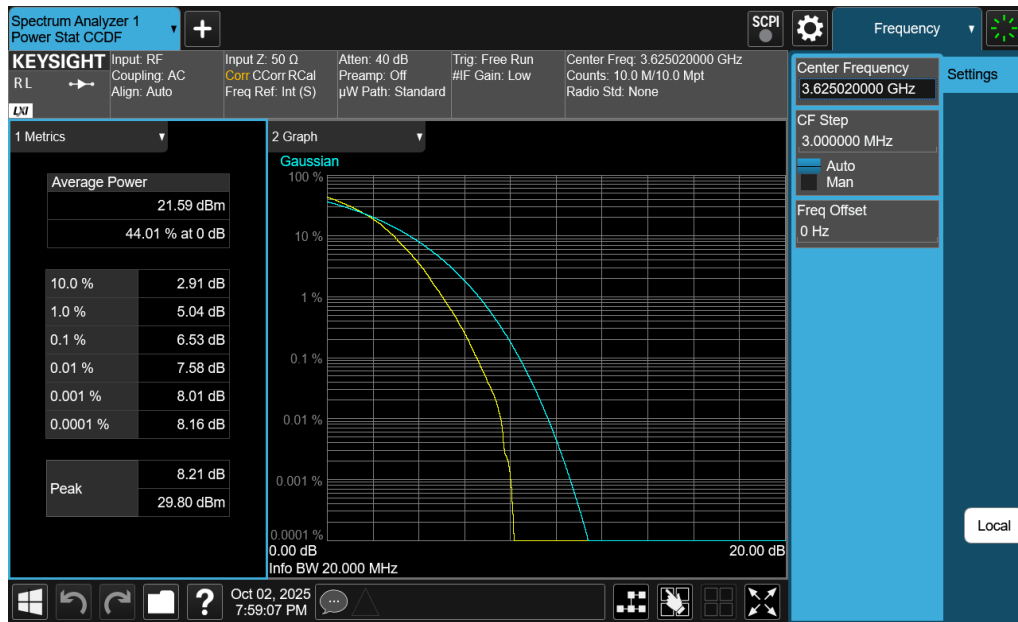


Plot 7-166. PAR Plot (NR Band n48 - 20MHz DFT-s-OFDM 64-QAM)

FCC ID: BCGA3460	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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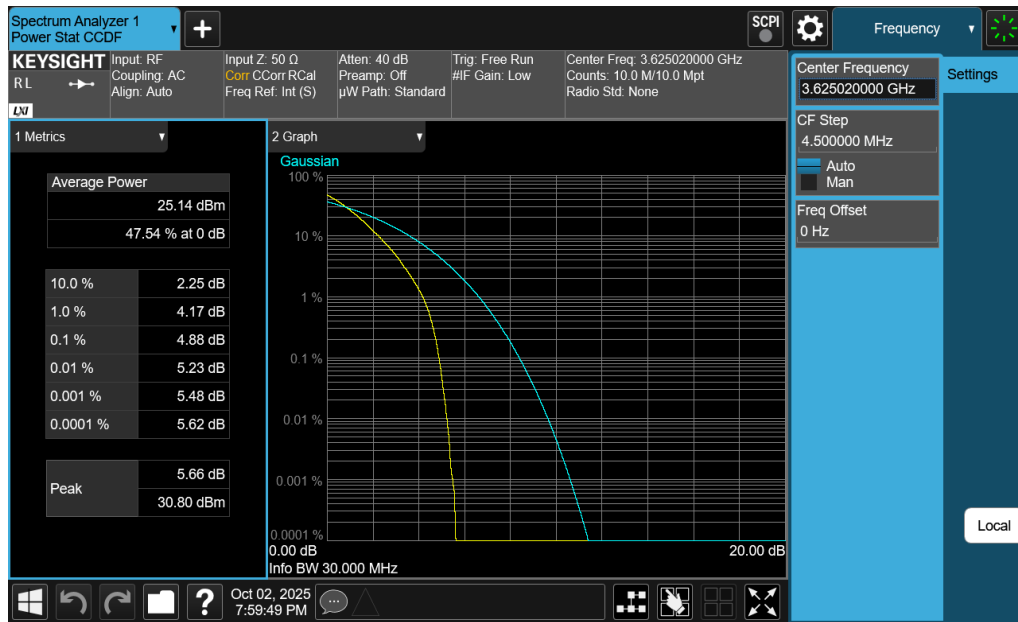
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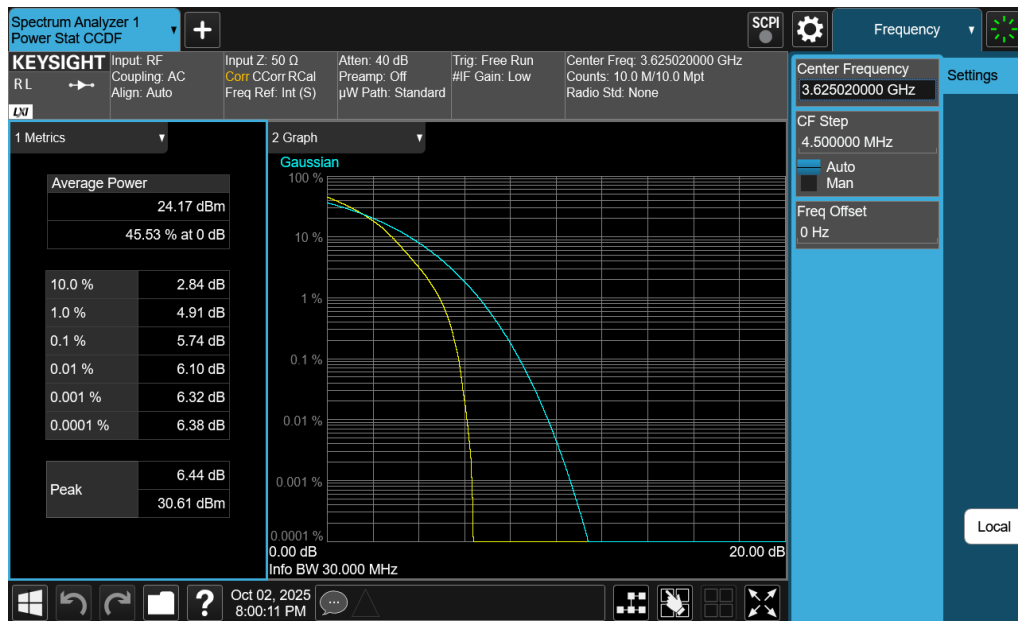
FCC ID: BCGA3460	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-169. PAR Plot (NR Band n48 - 30MHz DFT-s-OFDM QPSK)

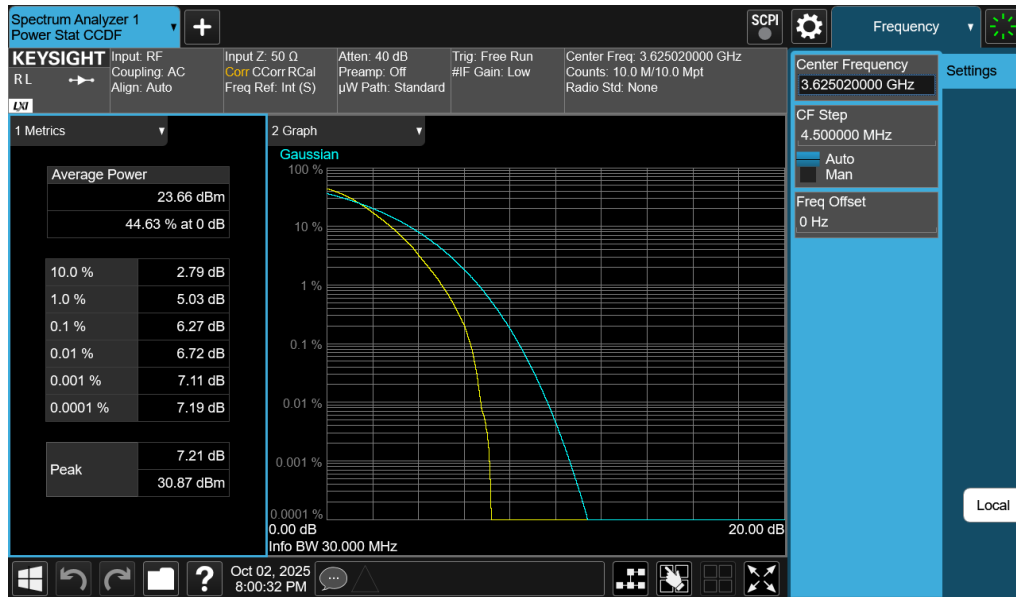


Plot 7-170. PAR Plot (NR Band n48 - 30MHz DFT-s-OFDM 16-QAM)

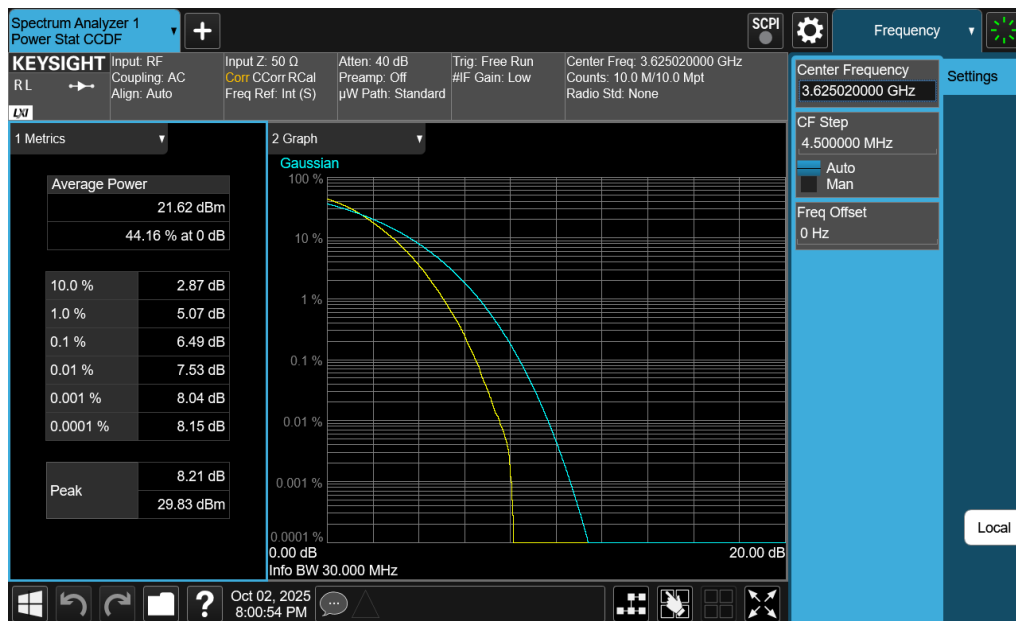
FCC ID: BCGA3460	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-171. PAR Plot (NR Band n48 - 30MHz DFT-s-OFDM 64-QAM)

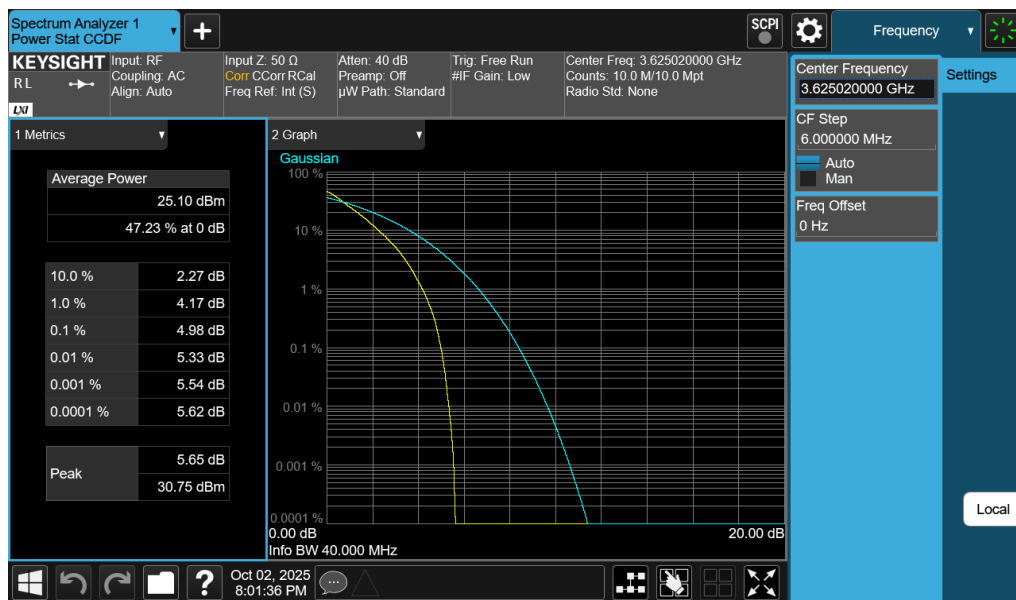
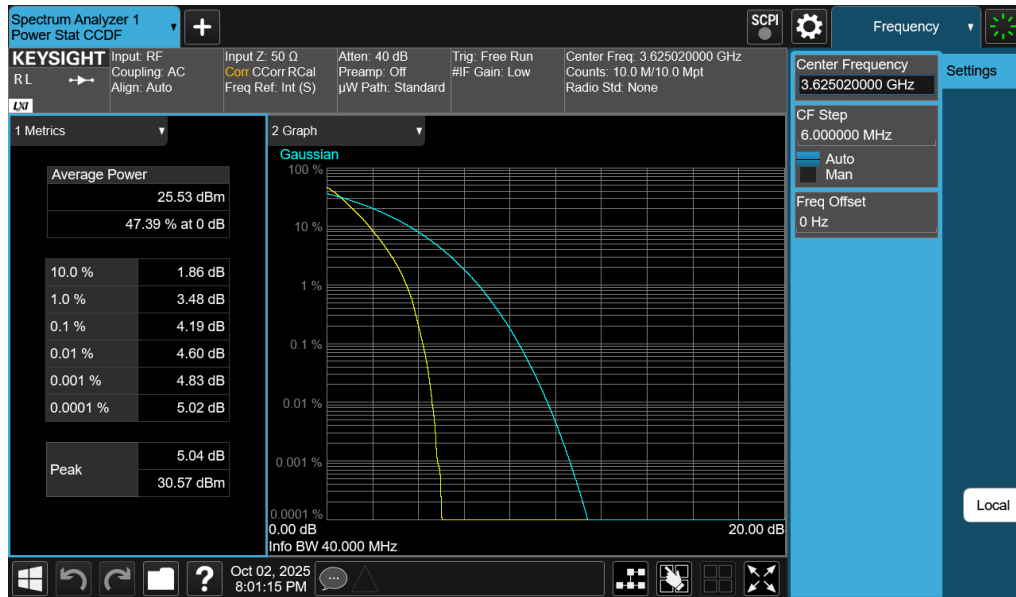


Plot 7-172. PAR Plot (NR Band n48 - 30MHz DFT-s-OFDM 256-QAM)

FCC ID: BCGA3460	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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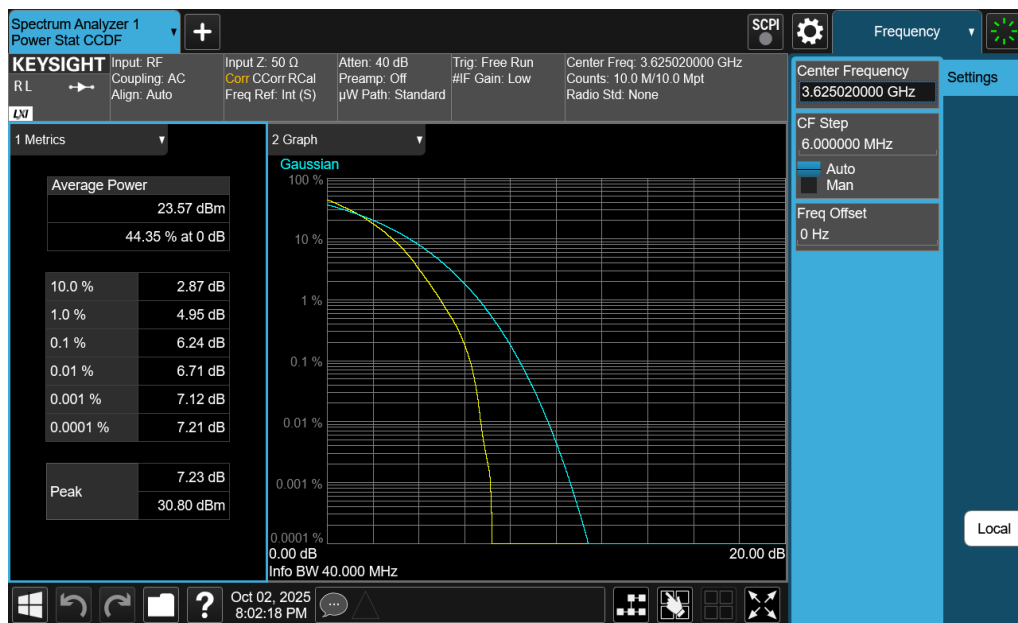
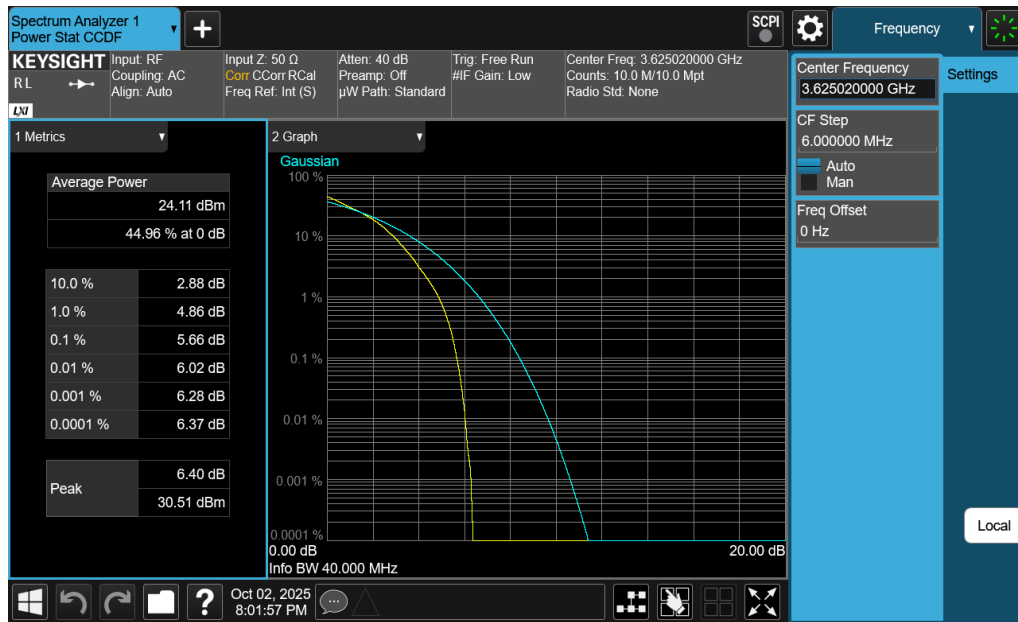
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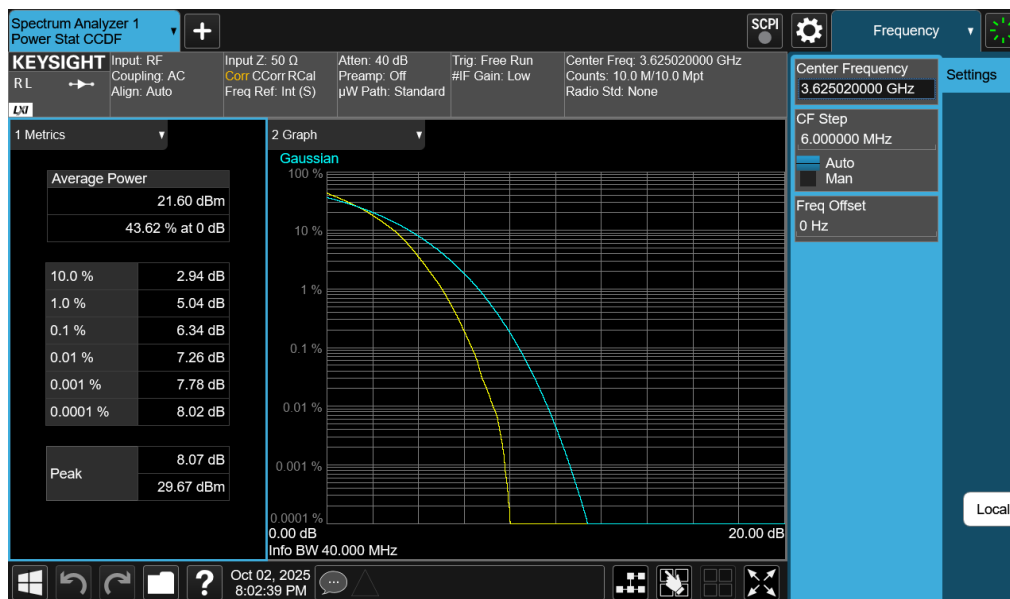
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Plot 7-177. PAR Plot (NR Band n48 - 40MHz DFT-s-OFDM 256-QAM)

FCC ID: BCGA3460	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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7.6 Radiated Power (EIRP)

§96.41(b)

Test Overview

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

Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.2.1

ANSI C63.26-2015

Test Settings

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

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

Where:

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

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

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

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

Test Setup

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



Figure 7-9. LTE EIRP Measurement Setup

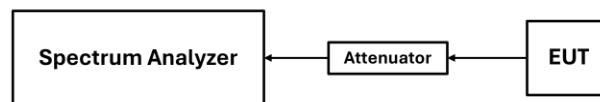


Figure 7-10. FR1 Test Instrument & Measurement Setup

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Test Notes

1. The worst case emissions are reported with the modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
2. This unit was tested with its standard battery.
3. The Level (dBm) readings in the table were taken with a correction table loaded into the base station simulator. The correction table was used to account for the signal attenuation in the connecting cable between the transmitter and antenna.
4. The worst case EIRP shown in this section is found with LTE & NR operating only using 1RB. As such, the EIRP/10MHz and full channel EIRP values will be identical since 1RB is fully contained within all available channel bandwidths for LTE Band 48 (i.e. 5, 10, 15, 20MHz) and NR FR1 Band 48 (i.e. 10, 15, 20, 30, 40MHz).
5. Uplink carrier aggregation for LTE B48 is only supported in this EUT while operating in Power Class 3.
6. For ULCA, conducted power measurements were evaluated for the two contiguous channels using various combinations of RB size, RB offset, modulation, and channel bandwidth. Channel bandwidth data is shown in the tables below based only on the channel bandwidths that were supported in this device.
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.

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7.6.1 Antenna 3b – EIRP

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm/10MHz]	EIRP [Watts/10MHz]	EIRP Limit [dBm/10MHz]	Margin [dB]
5 MHz	QPSK	3552.5	4.10	1 / 0	18.06	22.16	0.164	23.00	-0.84
		3625.0	4.10	1 / 0	17.87	21.97	0.157	23.00	-1.03
		3697.5	4.10	1 / 24	18.15	22.25	0.168	23.00	-0.75
	16-QAM	3625.0	4.10	1 / 24	17.13	21.23	0.133	23.00	-1.77
	64-QAM	3697.5	4.10	1 / 24	16.03	20.13	0.103	23.00	-2.87
	256-QAM	3625.0	4.10	25 / 0	13.23	17.33	0.054	23.00	-5.67
10 MHz	QPSK	3555.0	4.10	1 / 49	18.12	22.22	0.167	23.00	-0.78
		3625.0	4.10	1 / 0	18.11	22.21	0.166	23.00	-0.79
		3695.0	4.10	1 / 25	18.10	22.20	0.166	23.00	-0.80
	16-QAM	3695.0	4.10	1 / 49	17.07	21.17	0.131	23.00	-1.83
	64-QAM	3555.0	4.10	1 / 49	16.13	20.23	0.105	23.00	-2.77
	256-QAM	3555.0	4.10	50 / 0	13.18	17.28	0.053	23.00	-5.72
15 MHz	QPSK	3557.5	4.10	1 / 0	18.08	22.18	0.165	23.00	-0.82
		3625.0	4.10	1 / 37	17.91	22.01	0.159	23.00	-0.99
		3692.5	4.10	1 / 37	18.11	22.21	0.166	23.00	-0.79
	16-QAM	3692.5	4.10	1 / 0	17.17	21.27	0.134	23.00	-1.73
	64-QAM	3557.5	4.10	1 / 37	16.15	20.25	0.106	23.00	-2.75
	256-QAM	3557.5	4.10	75 / 0	13.20	17.30	0.054	23.00	-5.70
20 MHz	QPSK	3560.0	4.10	1 / 99	17.75	21.85	0.153	23.00	-1.15
		3625.0	4.10	1 / 99	18.12	22.22	0.167	23.00	-0.78
		3690.0	4.10	1 / 99	18.16	22.26	0.168	23.00	-0.74
	16-QAM	3560.0	4.10	1 / 99	17.08	21.18	0.131	23.00	-1.82
	64-QAM	3690.0	4.10	1 / 0	16.13	20.23	0.105	23.00	-2.77
	256-QAM	3690.0	4.10	100 / 0	13.13	17.23	0.053	23.00	-5.77

Table 7-1. Antenna 3b EIRP Data (LTE Band 48)

FCC ID: BCGA3460	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100080-13-R3.BCG	Test Dates: 07/01/2025-10/23/2025	EUT Type: Tablet Device
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Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm/10MHz]	EIRP [Watts/10MHz]	EIRP Limit [dBm/10MHz]	Margin [dB]
10 MHz	π/2 BPSK	3555.0	4.10	24 / 0	18.09	22.19	0.166	23.00	-0.81
		3625.0	4.10	24 / 0	18.05	22.15	0.164	23.00	-0.85
		3695.0	4.10	24 / 0	18.00	22.10	0.162	23.00	-0.90
	QPSK	3555.0	4.10	1 / 1	18.03	22.13	0.163	23.00	-0.87
		3625.0	4.10	1 / 1	18.00	22.10	0.162	23.00	-0.90
		3695.0	4.10	1 / 1	17.91	22.01	0.159	23.00	-0.99
	16-QAM	3555.0	4.10	1 / 22	16.88	20.98	0.125	23.00	-2.02
	64-QAM	3555.0	4.10	24 / 0	16.19	20.29	0.107	23.00	-2.71
256-QAM	3555.0	4.10	24 / 0	14.25	18.35	0.068	23.00	-4.65	
15 MHz	π/2 BPSK	3557.5	4.10	36 / 0	18.11	22.21	0.166	23.00	-0.79
		3625.0	4.10	36 / 0	17.94	22.04	0.160	23.00	-0.96
		3692.5	4.10	36 / 0	17.93	22.03	0.160	23.00	-0.97
	QPSK	3557.5	4.10	1 / 18	18.03	22.13	0.163	23.00	-0.87
		3625.0	4.10	1 / 1	17.91	22.01	0.159	23.00	-0.99
		3692.5	4.10	1 / 1	17.92	22.02	0.159	23.00	-0.98
	16-QAM	3625.0	4.10	1 / 1	17.06	21.16	0.131	23.00	-1.84
	64-QAM	3557.5	4.10	36 / 0	16.12	20.22	0.105	23.00	-2.78
256-QAM	3557.5	4.10	36 / 0	14.18	18.28	0.067	23.00	-4.72	
20 MHz	π/2 BPSK	3560.0	4.10	50 / 0	18.07	22.17	0.165	23.00	-0.83
		3625.0	4.10	50 / 0	18.01	22.11	0.163	23.00	-0.89
		3690.0	4.10	50 / 0	17.95	22.05	0.160	23.00	-0.95
	QPSK	3560.0	4.10	1 / 1	18.03	22.13	0.163	23.00	-0.87
		3625.0	4.10	1 / 1	17.99	22.09	0.162	23.00	-0.91
		3690.0	4.10	1 / 1	17.98	22.08	0.161	23.00	-0.92
	16-QAM	3560.0	4.10	1 / 1	17.13	21.23	0.133	23.00	-1.77
	64-QAM	3560.0	4.10	50 / 0	16.13	20.23	0.105	23.00	-2.77
256-QAM	3560.0	4.10	50 / 0	14.21	18.31	0.068	23.00	-4.69	
30 MHz	π/2 BPSK	3565.0	4.10	1 / 1	18.02	22.12	0.163	23.00	-0.88
		3625.0	4.10	75 / 0	18.00	22.10	0.162	23.00	-0.90
		3685.0	4.10	1 / 1	17.97	22.07	0.161	23.00	-0.93
	QPSK	3565.0	4.10	1 / 1	18.10	22.20	0.166	23.00	-0.80
		3625.0	4.10	1 / 1	17.95	22.05	0.160	23.00	-0.95
		3685.0	4.10	1 / 1	18.05	22.15	0.164	23.00	-0.85
	16-QAM	3625.0	4.10	1 / 1	17.12	21.22	0.132	23.00	-1.78
	64-QAM	3625.0	4.10	75 / 0	16.06	20.16	0.104	23.00	-2.84
256-QAM	3625.0	4.10	75 / 0	14.05	18.15	0.065	23.00	-4.85	
40 MHz	π/2 BPSK	3570.0	4.10	1 / 1	18.07	22.17	0.165	23.00	-0.83
		3625.0	4.10	100 / 0	18.02	22.12	0.163	23.00	-0.88
		3680.0	4.10	1 / 50	17.93	22.03	0.160	23.00	-0.97
	QPSK	3570.0	4.10	1 / 1	18.08	22.18	0.165	23.00	-0.82
		3625.0	4.10	1 / 1	17.97	22.07	0.161	23.00	-0.93
		3680.0	4.10	1 / 50	17.95	22.05	0.160	23.00	-0.95
	16-QAM	3570.0	4.10	1 / 1	16.90	21.00	0.126	23.00	-2.00
	64-QAM	3625.0	4.10	100 / 0	16.02	20.12	0.103	23.00	-2.88
256-QAM	3625.0	4.10	100 / 0	14.10	18.20	0.066	23.00	-4.80	

Table 7-2. Antenna 3b EIRP Data (NR Band n48)

FCC ID: BCGA3460	 PART 96 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2509100080-13-R3.BCG	Test Dates: 07/01/2025-10/23/2025	EUT Type: Tablet Device	Page 113 of 147

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Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCA Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm/10MHz]	EIRP [Watts/10MHz]	EIRP Limit [dBm/10MHz]	Margin [dB]		
			Modulation	UL Channel	UL Frequency [MHz]	UL # RB	UL RB Offset	Modulation	UL Channel	UL Frequency [MHz]	UL # RB	UL RB Offset								
Max	LTE B48	20MHz + 5MHz	QPSK	55340	3560.0	1	99	QPSK	55457	3571.7	1	0	18.20	4.10	22.30	0.170	23.00	-0.70		
				55990	3625.0	1	99		56107	3636.7	1	0	18.35	4.10	22.45	0.176	23.00	-0.55		
				56640	3690.0	1	0		56523	3678.3	1	24	18.38	4.10	22.48	0.177	23.00	-0.52		
			QPSK	56640	3690	100	0	QPSK	56523	3678.3	100	0	18.06	4.10	22.16	0.164	23.00	-0.84		
				16-QAM	56640	3690	100		0	16-QAM	56523	3678.3	100	0	17.86	4.10	21.96	0.157	23.00	-1.04
				64-QAM	56640	3690	100	0	64-QAM	56523	3678.3	100	0	17.58	4.10	21.68	0.147	23.00	-1.32	
			256-QAM	56640	3690	100	0	256-QAM	56523	3678.3	100	0	17.29	4.10	21.39	0.138	23.00	-1.61		
				55340	3560.0	1	99		55484	3574.4	1	0	18.39	4.10	22.49	0.177	23.00	-0.51		
Max	LTE B48	20MHz + 10MHz	QPSK	55990	3625.0	1	99	QPSK	56134	3639.4	1	0	18.27	4.10	22.37	0.173	23.00	-0.63		
				56640	3690.0	1	0		56496	3675.6	1	49	18.39	4.10	22.49	0.177	23.00	-0.51		
				55340	3560	100	0		55484	3574.4	100	0	18.10	4.10	22.20	0.166	23.00	-0.80		
			16-QAM	55340	3560	100	0	16-QAM	55484	3574.4	100	0	17.86	4.10	21.96	0.157	23.00	-1.04		
				64-QAM	55340	3560	100		0	64-QAM	55484	3574.4	100	0	17.57	4.10	21.67	0.147	23.00	-1.33
				256-QAM	55340	3560	100		0	256-QAM	55484	3574.4	100	0	17.36	4.10	21.46	0.140	23.00	-1.54
			QPSK	55340	3560.0	1	99	QPSK	55511	3577.1	1	0	18.27	4.10	22.37	0.173	23.00	-0.63		
				55990	3625.0	1	99		56161	3642.1	1	0	18.21	4.10	22.31	0.170	23.00	-0.69		
56640	3690.0	1		0	56469	3672.9	1		74	18.29	4.10	22.39	0.173	23.00	-0.61					
Max	LTE B48	20MHz + 15MHz	QPSK	56640	3690	100	0	QPSK	56469	3672.9	100	0	18.10	4.10	22.20	0.166	23.00	-0.80		
				16-QAM	56640	3690	100		0	16-QAM	56469	3672.9	100	0	17.80	4.10	21.90	0.155	23.00	-1.10
				64-QAM	56640	3690	100		0	64-QAM	56469	3672.9	100	0	17.58	4.10	21.68	0.147	23.00	-1.32
			256-QAM	56640	3690	100	0	256-QAM	56469	3672.9	100	0	17.33	4.10	21.43	0.139	23.00	-1.57		
				QPSK	55340	3560.0	1		99	QPSK	55538	3579.8	1	0	18.20	4.10	22.30	0.170	23.00	-0.70
				55990	3625.0	1	99		56188		3644.8	1	0	18.22	4.10	22.32	0.171	23.00	-0.68	
			56640	3690.0	1	0	56442	3670.2	1		99	18.24	4.10	22.34	0.171	23.00	-0.66			
			Max	LTE B48	20MHz + 20MHz	QPSK	56640	3690	100	0	QPSK	56442	3670.2	100	0	18.06	4.10	22.16	0.164	23.00
16-QAM	56640	3690					100	0	16-QAM	56442		3670.2	100	0	17.77	4.10	21.87	0.154	23.00	-1.13
64-QAM	56640	3690					100	0	64-QAM	56442		3670.2	100	0	17.57	4.10	21.67	0.147	23.00	-1.33
256-QAM	56640	3690				100	0	256-QAM	56442	3670.2	100	0	17.37	4.10	21.47	0.140	23.00	-1.53		

Table 7-3. Antenna 3b EIRP Data (ULCA LTE Band 48)

FCC ID: BCGA3460	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100080-13-R3.BCG	Test Dates: 07/01/2025-10/23/2025	EUT Type: Tablet Device
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7.6.2 Antenna 2a – EIRP

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm/10MHz]	EIRP [Watts/10MHz]	EIRP Limit [dBm/10MHz]	Margin [dB]
5 MHz	QPSK	3552.5	2.70	1 / 0	19.29	21.99	0.158	23.00	-1.01
		3625.0	2.70	1 / 24	19.36	22.06	0.161	23.00	-0.94
		3697.5	2.70	1 / 24	19.36	22.06	0.161	23.00	-0.94
	16-QAM	3625.0	2.70	1 / 12	18.42	21.12	0.129	23.00	-1.88
	64-QAM	3552.5	2.70	1 / 0	17.36	20.06	0.101	23.00	-2.94
	256-QAM	3552.5	2.70	25 / 0	14.47	17.17	0.052	23.00	-5.83
10 MHz	QPSK	3555.0	2.70	1 / 49	19.37	22.07	0.161	23.00	-0.93
		3625.0	2.70	1 / 0	19.40	22.10	0.162	23.00	-0.90
		3695.0	2.70	1 / 0	19.39	22.09	0.162	23.00	-0.91
	16-QAM	3555.0	2.70	1 / 25	18.43	21.13	0.130	23.00	-1.87
		3695.0	2.70	1 / 49	18.43	21.13	0.130	23.00	-1.87
	64-QAM	3625.0	2.70	1 / 25	17.40	20.10	0.102	23.00	-2.90
	256-QAM	3625.0	2.70	50 / 0	14.47	17.17	0.052	23.00	-5.83
15 MHz	QPSK	3557.5	2.70	1 / 0	19.38	22.08	0.161	23.00	-0.92
		3625.0	2.70	1 / 37	19.37	22.07	0.161	23.00	-0.93
		3692.5	2.70	1 / 0	19.33	22.03	0.160	23.00	-0.97
	16-QAM	3692.5	2.70	1 / 37	18.41	21.11	0.129	23.00	-1.89
	64-QAM	3625.0	2.70	1 / 0	17.41	20.11	0.103	23.00	-2.89
	256-QAM	3692.5	2.70	75 / 0	14.49	17.19	0.052	23.00	-5.81
20 MHz	QPSK	3560.0	2.70	1 / 99	19.32	22.02	0.159	23.00	-0.98
		3625.0	2.70	1 / 99	19.18	21.88	0.154	23.00	-1.12
		3690.0	2.70	1 / 99	19.40	22.10	0.162	23.00	-0.90
	16-QAM	3625.0	2.70	1 / 50	18.48	21.18	0.131	23.00	-1.82
	64-QAM	3690.0	2.70	1 / 0	17.48	20.18	0.104	23.00	-2.82
	256-QAM	3690.0	2.70	100 / 0	14.56	17.26	0.053	23.00	-5.74

Table 7-4. Antenna 2a EIRP Data (LTE Band 48)

FCC ID: BCGA3460		PART 96 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2509100080-13-R3.BCG	Test Dates: 07/01/2025-10/23/2025	EUT Type: Tablet Device		Page 115 of 147

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Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm/10MHz]	EIRP [Watts/10MHz]	EIRP Limit [dBm/10MHz]	Margin [dB]
10 MHz	π/2 BPSK	3555.0	2.70	24 / 0	19.27	21.97	0.157	23.00	-1.03
		3625.0	2.70	1 / 1	19.48	22.18	0.165	23.00	-0.82
		3695.0	2.70	24 / 0	19.26	21.96	0.157	23.00	-1.04
	QPSK	3555.0	2.70	1 / 22	19.19	21.89	0.155	23.00	-1.11
		3625.0	2.70	1 / 1	19.45	22.15	0.164	23.00	-0.85
		3695.0	2.70	1 / 1	19.18	21.88	0.154	23.00	-1.12
	16-QAM	3625.0	2.70	1 / 22	18.32	21.02	0.126	23.00	-1.98
	64-QAM	3625.0	2.70	24 / 0	17.60	20.30	0.107	23.00	-2.70
	256-QAM	3625.0	2.70	24 / 0	15.61	18.31	0.068	23.00	-4.69
	π/2 BPSK	3557.5	2.70	36 / 0	19.25	21.95	0.157	23.00	-1.05
		3625.0	2.70	1 / 1	19.44	22.14	0.164	23.00	-0.86
		3692.5	2.70	36 / 0	19.18	21.88	0.154	23.00	-1.12
15 MHz	QPSK	3557.5	2.70	1 / 36	19.16	21.86	0.153	23.00	-1.14
		3625.0	2.70	1 / 1	19.50	22.20	0.166	23.00	-0.80
		3692.5	2.70	1 / 36	19.14	21.84	0.153	23.00	-1.16
	16-QAM	3625.0	2.70	1 / 1	18.27	20.97	0.125	23.00	-2.03
	64-QAM	3625.0	2.70	36 / 0	17.44	20.14	0.103	23.00	-2.86
	256-QAM	3625.0	2.70	36 / 0	15.48	18.18	0.066	23.00	-4.82
20 MHz	π/2 BPSK	3560.0	2.70	50 / 0	19.15	21.85	0.153	23.00	-1.15
		3625.0	2.70	1 / 1	19.41	22.11	0.163	23.00	-0.89
		3690.0	2.70	50 / 0	19.10	21.80	0.151	23.00	-1.20
	QPSK	3560.0	2.70	1 / 49	19.19	21.89	0.155	23.00	-1.11
		3625.0	2.70	1 / 1	19.49	22.19	0.166	23.00	-0.81
		3690.0	2.70	1 / 49	19.14	21.84	0.153	23.00	-1.16
	16-QAM	3625.0	2.70	1 / 1	18.28	20.98	0.125	23.00	-2.02
	64-QAM	3625.0	2.70	50 / 0	17.38	20.08	0.102	23.00	-2.92
	256-QAM	3625.0	2.70	75 / 0	15.44	18.14	0.065	23.00	-4.86
30 MHz	π/2 BPSK	3565.0	2.70	1 / 76	19.18	21.88	0.154	23.00	-1.12
		3625.0	2.70	1 / 1	19.45	22.15	0.164	23.00	-0.85
		3685.0	2.70	1 / 1	19.07	21.77	0.150	23.00	-1.23
	QPSK	3565.0	2.70	1 / 76	19.23	21.93	0.156	23.00	-1.07
		3625.0	2.70	1 / 1	19.39	22.09	0.162	23.00	-0.91
		3685.0	2.70	1 / 1	19.11	21.81	0.152	23.00	-1.19
	16-QAM	3625.0	2.70	1 / 1	18.29	20.99	0.126	23.00	-2.01
	64-QAM	3625.0	2.70	75 / 0	17.37	20.07	0.102	23.00	-2.93
	256-QAM	3625.0	2.70	75 / 0	15.34	18.04	0.064	23.00	-4.96
40 MHz	π/2 BPSK	3570.0	2.70	1 / 36	19.19	21.89	0.155	23.00	-1.11
		3625.0	2.70	1 / 1	19.41	22.11	0.163	23.00	-0.89
		3680.0	2.70	1 / 36	19.03	21.73	0.149	23.00	-1.27
	QPSK	3570.0	2.70	1 / 76	19.19	21.89	0.155	23.00	-1.11
		3625.0	2.70	1 / 1	19.44	22.14	0.164	23.00	-0.86
		3680.0	2.70	1 / 36	19.03	21.73	0.149	23.00	-1.27
	16-QAM	3625.0	2.70	1 / 1	18.31	21.01	0.126	23.00	-1.99
	64-QAM	3625.0	2.70	75 / 0	17.35	20.05	0.101	23.00	-2.95
	256-QAM	3625.0	2.70	75 / 0	15.30	18.00	0.063	23.00	-5.00

Table 7-5. Antenna 2a EIRP Data (NR Band n48)

FCC ID: BCGA3460	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100080-13-R3.BCG	Test Dates: 07/01/2025-10/23/2025	EUT Type: Tablet Device
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Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCA Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm/10MHz]	EIRP [Watts/10MHz]	EIRP Limit [dBm/10MHz]	Margin [dB]
			Modulation	UL Channel	UL Frequency [MHz]	UL # RB	UL RB Offset	Modulation	UL Channel	UL Frequency [MHz]	UL # RB	UL RB Offset						
Max	LTE B48	20MHz + 5MHz	QPSK	55340	3560.0	1	99	QPSK	55457	3571.7	1	0	19.60	2.70	22.30	0.170	23.00	-0.70
				55990	3625.0	1	99		56107	3636.7	1	0	19.69	2.70	22.39	0.173	23.00	-0.61
				56640	3690.0	1	0		56523	3678.3	1	24	19.47	2.70	22.17	0.165	23.00	-0.83
				55340	3560.0	1	99		55484	3574.4	1	0	18.81	2.70	21.51	0.142	23.00	-1.49
			QPSK	55990	3625.0	1	99	QPSK	56134	3639.4	1	0	19.63	2.70	22.33	0.171	23.00	-0.67
				56640	3690.0	1	0		56496	3675.6	1	49	18.83	2.70	21.53	0.142	23.00	-1.47
				55990	3625	100	0		56134	3639.4	100	0	19.48	2.70	22.18	0.165	23.00	-0.82
				55990	3625	100	0		56134	3639.4	100	0	19.24	2.70	21.94	0.156	23.00	-1.06
Max	LTE B48	20MHz + 10MHz	QPSK	55340	3560.0	1	99	QPSK	55511	3577.1	1	0	18.96	2.70	21.66	0.147	23.00	-1.34
				55990	3625.0	1	99		56161	3642.1	1	0	19.62	2.70	22.32	0.171	23.00	-0.68
				56640	3690.0	1	0		56469	3672.9	1	74	18.94	2.70	21.64	0.146	23.00	-1.36
				55990	3625	100	0		56161	3642.1	100	0	19.52	2.70	22.22	0.167	23.00	-0.78
			QPSK	55990	3625	100	0	QPSK	56161	3642.1	100	0	19.28	2.70	21.98	0.158	23.00	-1.02
				55990	3625	100	0		56161	3642.1	100	0	19.02	2.70	21.72	0.149	23.00	-1.28
				55990	3625	100	0		56161	3642.1	100	0	18.90	2.70	21.50	0.141	23.00	-1.50
				55340	3560.0	1	99		55538	3579.8	1	0	19.64	2.70	22.34	0.171	23.00	-0.66
Max	LTE B48	20MHz + 20MHz	QPSK	55990	3625.0	1	99	QPSK	56188	3644.8	1	0	19.66	2.70	22.36	0.172	23.00	-0.64
				56640	3690.0	1	0		56442	3670.2	1	99	18.90	2.70	21.60	0.145	23.00	-1.40
				55990	3625	100	0		56188	3644.8	100	0	19.50	2.70	22.20	0.166	23.00	-0.80
				55990	3625	100	0		56188	3644.8	100	0	19.24	2.70	21.94	0.156	23.00	-1.06
			QPSK	55990	3625	100	0	QPSK	56188	3644.8	100	0	18.94	2.70	21.64	0.146	23.00	-1.36
				55990	3625	100	0		56188	3644.8	100	0	18.73	2.70	21.43	0.139	23.00	-1.57
				55990	3625	100	0		56188	3644.8	100	0	18.73	2.70	21.43	0.139	23.00	-1.57
				55990	3625	100	0		56188	3644.8	100	0	18.73	2.70	21.43	0.139	23.00	-1.57

Table 7-6. Antenna 2a EIRP Data (ULCA LTE Band 48)

FCC ID: BCGA3460		PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100080-13-R3.BCG	Test Dates: 07/01/2025-10/23/2025	EUT Type: Tablet Device	Page 117 of 147

7.6.3 Antenna 4 – EIRP

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm/10MHz]	EIRP [Watts/10MHz]	EIRP Limit [dBm/10MHz]	Margin [dB]
5 MHz	QPSK	3552.5	-0.10	1 / 24	22.12	22.02	0.159	23.00	-0.98
		3625.0	-0.10	1 / 12	22.08	21.98	0.158	23.00	-1.02
		3697.5	-0.10	1 / 0	22.18	22.08	0.161	23.00	-0.92
	16-QAM	3697.5	-0.10	1 / 12	21.20	21.10	0.129	23.00	-1.90
	64-QAM	3552.5	-0.10	1 / 24	20.19	20.09	0.102	23.00	-2.91
	256-QAM	3697.5	-0.10	25 / 0	17.18	17.08	0.051	23.00	-5.92
10 MHz	QPSK	3555.0	-0.10	1 / 0	22.08	21.98	0.158	23.00	-1.02
		3625.0	-0.10	1 / 25	22.09	21.99	0.158	23.00	-1.01
		3695.0	-0.10	1 / 0	22.22	22.12	0.163	23.00	-0.88
	16-QAM	3555.0	-0.10	1 / 0	21.21	21.11	0.129	23.00	-1.89
	64-QAM	3695.0	-0.10	1 / 0	20.23	20.13	0.103	23.00	-2.87
	256-QAM	3555.0	-0.10	50 / 0	17.32	17.22	0.053	23.00	-5.78
15 MHz	QPSK	3557.5	-0.10	1 / 74	22.14	22.04	0.160	23.00	-0.96
		3625.0	-0.10	1 / 0	22.14	22.04	0.160	23.00	-0.96
		3692.5	-0.10	1 / 0	22.20	22.10	0.162	23.00	-0.90
	16-QAM	3692.5	-0.10	1 / 0	21.24	21.14	0.130	23.00	-1.86
	64-QAM	3557.5	-0.10	1 / 0	20.21	20.11	0.103	23.00	-2.89
	256-QAM	3692.5	-0.10	75 / 0	17.32	17.22	0.053	23.00	-5.78
20 MHz	QPSK	3560.0	-0.10	1 / 99	22.19	22.09	0.162	23.00	-0.91
		3625.0	-0.10	1 / 0	22.16	22.06	0.161	23.00	-0.94
		3690.0	-0.10	1 / 50	22.14	22.04	0.160	23.00	-0.96
	16-QAM	3560.0	-0.10	1 / 0	21.15	21.05	0.127	23.00	-1.95
	64-QAM	3560.0	-0.10	1 / 50	20.21	20.11	0.103	23.00	-2.89
	256-QAM	3560.0	-0.10	100 / 0	17.27	17.17	0.052	23.00	-5.83

Table 7-7. Antenna 4 EIRP Data (LTE Band 48)

FCC ID: BCGA3460	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100080-13-R3.BCG	Test Dates: 07/01/2025-10/23/2025	EUT Type: Tablet Device
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Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm/10MHz]	EIRP [Watts/10MHz]	EIRP Limit [dBm/10MHz]	Margin [dB]
10 MHz	π/2 BPSK	3555.0	-0.10	24 / 0	22.07	21.97	0.157	23.00	-1.03
		3625.0	-0.10	24 / 0	22.06	21.96	0.157	23.00	-1.04
		3695.0	-0.10	24 / 0	21.91	21.81	0.152	23.00	-1.19
	QPSK	3555.0	-0.10	1 / 1	22.10	22.00	0.158	23.00	-1.00
		3625.0	-0.10	1 / 1	22.05	21.95	0.157	23.00	-1.05
		3695.0	-0.10	1 / 1	21.87	21.77	0.150	23.00	-1.23
	16-QAM	3555.0	-0.10	1 / 1	20.97	20.87	0.122	23.00	-2.13
	64-QAM	3555.0	-0.10	24 / 0	20.24	20.14	0.103	23.00	-2.86
256-QAM	3555.0	-0.10	24 / 0	18.24	18.14	0.065	23.00	-4.86	
15 MHz	π/2 BPSK	3557.5	-0.10	36 / 0	22.00	21.90	0.155	23.00	-1.10
		3625.0	-0.10	36 / 0	21.96	21.86	0.153	23.00	-1.14
		3692.5	-0.10	36 / 0	21.88	21.78	0.151	23.00	-1.22
	QPSK	3557.5	-0.10	1 / 1	22.01	21.91	0.155	23.00	-1.09
		3625.0	-0.10	1 / 1	21.90	21.80	0.151	23.00	-1.20
		3692.5	-0.10	1 / 1	21.83	21.73	0.149	23.00	-1.27
	16-QAM	3692.5	-0.10	1 / 1	21.03	20.93	0.124	23.00	-2.07
	64-QAM	3557.5	-0.10	36 / 0	20.06	19.96	0.099	23.00	-3.04
	256-QAM	3557.5	-0.10	36 / 0	18.14	18.04	0.064	23.00	-4.96
	20 MHz	π/2 BPSK	3560.0	-0.10	50 / 0	22.02	21.92	0.156	23.00
3625.0			-0.10	50 / 0	21.99	21.89	0.155	23.00	-1.11
3690.0			-0.10	50 / 0	21.93	21.83	0.152	23.00	-1.17
QPSK		3560.0	-0.10	1 / 1	21.94	21.84	0.153	23.00	-1.16
		3625.0	-0.10	1 / 1	21.91	21.81	0.152	23.00	-1.19
		3690.0	-0.10	1 / 1	21.86	21.76	0.150	23.00	-1.24
16-QAM		3625.0	-0.10	1 / 25	21.07	20.97	0.125	23.00	-2.03
64-QAM		3560.0	-0.10	50 / 0	20.07	19.97	0.099	23.00	-3.03
256-QAM	3560.0	-0.10	50 / 0	18.16	18.06	0.064	23.00	-4.94	
30 MHz	π/2 BPSK	3565.0	-0.10	1 / 1	22.02	21.92	0.156	23.00	-1.08
		3625.0	-0.10	1 / 1	22.01	21.91	0.155	23.00	-1.09
		3685.0	-0.10	1 / 1	21.97	21.87	0.154	23.00	-1.13
	QPSK	3565.0	-0.10	1 / 1	22.04	21.94	0.156	23.00	-1.06
		3625.0	-0.10	1 / 1	22.04	21.94	0.156	23.00	-1.06
		3685.0	-0.10	1 / 1	22.02	21.92	0.156	23.00	-1.08
	16-QAM	3685.0	-0.10	1 / 1	21.03	20.93	0.124	23.00	-2.07
	64-QAM	3625.0	-0.10	75 / 0	20.04	19.94	0.099	23.00	-3.06
256-QAM	3625.0	-0.10	75 / 0	18.01	17.91	0.062	23.00	-5.09	
40 MHz	π/2 BPSK	3570.0	-0.10	1 / 76	21.96	21.86	0.153	23.00	-1.14
		3625.0	-0.10	75 / 0	22.00	21.90	0.155	23.00	-1.10
		3680.0	-0.10	1 / 1	21.90	21.80	0.151	23.00	-1.20
	QPSK	3570.0	-0.10	1 / 1	21.96	21.86	0.153	23.00	-1.14
		3625.0	-0.10	1 / 76	22.08	21.98	0.158	23.00	-1.02
		3680.0	-0.10	1 / 1	21.88	21.78	0.151	23.00	-1.22
	16-QAM	3625.0	-0.10	1 / 76	21.10	21.00	0.126	23.00	-2.00
	64-QAM	3625.0	-0.10	75 / 0	20.02	19.92	0.098	23.00	-3.08
256-QAM	3625.0	-0.10	75 / 0	18.01	17.91	0.062	23.00	-5.09	

Table 7-8. Antenna 4 EIRP Data (NR Band n48)

FCC ID: BCGA3460	 PART 96 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2509100080-13-R3.BCG	Test Dates: 07/01/2025-10/23/2025	EUT Type: Tablet Device	Page 119 of 147

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Power State	Band	Bandwidth (PCC + SCC)	PCC				SCC				ULCA Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm/10MHz]	EIRP [Watts/10MHz]	EIRP Limit [dBm/10MHz]	Margin [dB]		
			Modulation	UL Channel	UL Frequency [MHz]	UL # RB	UL RB Offset	Modulation	UL Channel	UL Frequency [MHz]							UL # RB	UL RB Offset
Max	LTE B48	20MHz + 5MHz	QPSK	55340	3560.0	1	99	QPSK	55457	3571.7	1	0	20.80	-0.10	20.70	0.117	23.00	-2.30
				55990	3625.0	1	99		56107	3636.7	1	0	22.45	-0.10	22.35	0.172	23.00	-0.65
				56640	3690.0	1	0		56523	3678.3	1	24	20.36	-0.10	20.26	0.106	23.00	-2.74
				55990	3625	100	0		56107	3636.7	100	0	21.66	-0.10	21.56	0.143	23.00	-1.44
			16-QAM	55990	3625	100	0	16-QAM	56107	3636.7	100	0	21.42	-0.10	21.32	0.136	23.00	-1.68
				55990	3625	100	0	64-QAM	56107	3636.7	100	0	21.12	-0.10	21.02	0.126	23.00	-1.98
				55990	3625	100	0	256-QAM	56107	3636.7	100	0	20.84	-0.10	20.74	0.119	23.00	-2.26
				Max	LTE B48	20MHz + 10MHz	QPSK	55340	3560.0	1	99	QPSK	55484	3574.4	1	0	19.85	-0.10
55990	3625.0	1	99					56134	3639.4	1	0		22.48	-0.10	22.38	0.173	23.00	-0.62
56640	3690.0	1	0					56496	3675.6	1	49		19.79	-0.10	19.69	0.093	23.00	-3.30
55990	3625	100	0					QPSK	56134	3639.4	100		0	21.20	-0.10	21.10	0.129	23.00
16-QAM	55990	3625	100				0	16-QAM	56134	3639.4	100	0	20.92	-0.10	20.82	0.121	23.00	-2.18
	55990	3625	100				0	64-QAM	56134	3639.4	100	0	20.69	-0.10	20.59	0.115	23.00	-2.41
	55990	3625	100				0	256-QAM	56134	3639.4	100	0	20.39	-0.10	20.29	0.107	23.00	-2.71
	Max	LTE B48	20MHz + 15MHz				QPSK	55340	3560.0	1	99	QPSK	55511	3577.1	1	0	19.99	-0.10
55990				3625.0	1	99		56161	3642.1	1	0		22.58	-0.10	22.48	0.177	23.00	-0.52
56640				3690.0	1	0		56469	3672.9	1	74		19.90	-0.10	19.80	0.095	23.00	-3.20
55990				3625	100	0		QPSK	56161	3642.1	100		0	21.16	-0.10	21.06	0.128	23.00
16-QAM				55990	3625	100	0	16-QAM	56161	3642.1	100	0	20.88	-0.10	20.78	0.120	23.00	-2.22
				55990	3625	100	0	64-QAM	56161	3642.1	100	0	20.62	-0.10	20.52	0.113	23.00	-2.48
				55990	3625	100	0	256-QAM	56161	3642.1	100	0	20.38	-0.10	20.28	0.107	23.00	-2.72
				Max	LTE B48	20MHz + 20MHz	QPSK	55340	3560.0	1	99	QPSK	55538	3579.8	1	0	21.32	-0.10
55990	3625.0	1	99					56188	3644.8	1	0		22.55	-0.10	22.45	0.176	23.00	-0.55
56640	3690.0	1	0					56442	3670.2	1	99		19.86	-0.10	19.76	0.095	23.00	-3.24
55990	3625	100	0					QPSK	56188	3644.8	100		0	21.21	-0.10	21.11	0.129	23.00
16-QAM	55990	3625	100				0	16-QAM	56188	3644.8	100	0	20.94	-0.10	20.84	0.121	23.00	-2.16
	55990	3625	100				0	64-QAM	56188	3644.8	100	0	20.71	-0.10	20.61	0.115	23.00	-2.39
	55990	3625	100				0	256-QAM	56188	3644.8	100	0	20.42	-0.10	20.32	0.108	23.00	-2.68

Table 7-9. Antenna 4 EIRP Data (ULCA LTE Band 48)

FCC ID: BCGA3460	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100080-13-R3.BCG	Test Dates: 07/01/2025-10/23/2025	EUT Type: Tablet Device
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7.6.4 Antenna 1a – EIRP

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm/10MHz]	EIRP [Watts/10MHz]	EIRP Limit [dBm/10MHz]	Margin [dB]
5 MHz	QPSK	3552.5	-0.10	1 / 0	22.18	22.08	0.161	23.00	-0.92
		3625.0	-0.10	1 / 0	21.97	21.87	0.154	23.00	-1.13
		3697.5	-0.10	1 / 0	22.18	22.08	0.161	23.00	-0.92
	16-QAM	3697.5	-0.10	1 / 12	21.28	21.18	0.131	23.00	-1.82
	64-QAM	3625.0	-0.10	1 / 0	20.32	20.22	0.105	23.00	-2.78
	256-QAM	3697.5	-0.10	25 / 0	17.43	17.33	0.054	23.00	-5.67
10 MHz	QPSK	3555.0	-0.10	1 / 49	22.21	22.11	0.163	23.00	-0.89
		3625.0	-0.10	1 / 0	22.19	22.09	0.162	23.00	-0.91
		3695.0	-0.10	1 / 25	22.20	22.10	0.162	23.00	-0.90
	16-QAM	3555.0	-0.10	1 / 49	21.24	21.14	0.130	23.00	-1.86
	64-QAM	3555.0	-0.10	1 / 25	20.26	20.16	0.104	23.00	-2.84
	256-QAM	3555.0	-0.10	50 / 0	17.33	17.23	0.053	23.00	-5.77
15 MHz	QPSK	3557.5	-0.10	1 / 0	22.17	22.07	0.161	23.00	-0.93
		3625.0	-0.10	1 / 0	22.14	22.04	0.160	23.00	-0.96
		3692.5	-0.10	1 / 37	22.09	21.99	0.158	23.00	-1.01
	16-QAM	3692.5	-0.10	1 / 37	21.27	21.17	0.131	23.00	-1.83
	64-QAM	3557.5	-0.10	1 / 37	20.27	20.17	0.104	23.00	-2.83
	256-QAM	3692.5	-0.10	75 / 0	17.35	17.25	0.053	23.00	-5.75
20 MHz	QPSK	3560.0	-0.10	1 / 99	22.19	22.09	0.162	23.00	-0.91
		3625.0	-0.10	1 / 50	22.15	22.05	0.160	23.00	-0.95
		3690.0	-0.10	1 / 99	22.16	22.06	0.161	23.00	-0.94
	16-QAM	3690.0	-0.10	1 / 0	21.22	21.12	0.129	23.00	-1.88
	64-QAM	3625.0	-0.10	1 / 99	20.20	20.10	0.102	23.00	-2.90
	256-QAM	3625.0	-0.10	100 / 0	17.30	17.20	0.052	23.00	-5.80

Table 7-10. Antenna 1a EIRP Data (LTE Band 48)

FCC ID: BCGA3460	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100080-13-R3.BCG	Test Dates: 07/01/2025-10/23/2025	EUT Type: Tablet Device
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Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm/10MHz]	EIRP [Watts/10MHz]	EIRP Limit [dBm/10MHz]	Margin [dB]
10 MHz	π/2 BPSK	3555.0	-0.10	24 / 0	21.95	21.85	0.153	23.00	-1.15
		3625.0	-0.10	24 / 0	21.92	21.82	0.152	23.00	-1.18
		3695.0	-0.10	24 / 0	21.72	21.62	0.145	23.00	-1.38
	QPSK	3555.0	-0.10	1 / 12	21.93	21.83	0.152	23.00	-1.17
		3625.0	-0.10	1 / 1	21.88	21.78	0.151	23.00	-1.22
		3695.0	-0.10	1 / 12	21.74	21.64	0.146	23.00	-1.36
	16-QAM	3555.0	-0.10	1 / 1	20.83	20.73	0.118	23.00	-2.27
	64-QAM	3555.0	-0.10	24 / 0	20.16	20.06	0.101	23.00	-2.94
	256-QAM	3555.0	-0.10	24 / 0	18.18	18.08	0.064	23.00	-4.92
	15 MHz	π/2 BPSK	3557.5	-0.10	36 / 0	21.93	21.83	0.152	23.00
3625.0			-0.10	1 / 36	22.07	21.97	0.157	23.00	-1.03
3692.5			-0.10	1 / 1	21.73	21.63	0.146	23.00	-1.37
QPSK		3557.5	-0.10	1 / 1	21.91	21.81	0.152	23.00	-1.19
		3625.0	-0.10	1 / 1	21.99	21.89	0.155	23.00	-1.11
		3692.5	-0.10	1 / 1	21.81	21.71	0.148	23.00	-1.29
16-QAM		3557.5	-0.10	1 / 1	20.91	20.81	0.121	23.00	-2.19
64-QAM		3557.5	-0.10	36 / 0	20.04	19.94	0.099	23.00	-3.06
256-QAM		3625.0	-0.10	36 / 0	18.06	17.96	0.063	23.00	-5.04
20 MHz		π/2 BPSK	3560.0	-0.10	50 / 0	21.92	21.82	0.152	23.00
	3625.0		-0.10	50 / 0	21.98	21.88	0.154	23.00	-1.12
	3690.0		-0.10	1 / 1	21.83	21.73	0.149	23.00	-1.27
	QPSK	3560.0	-0.10	1 / 49	21.88	21.78	0.151	23.00	-1.22
		3625.0	-0.10	1 / 1	22.05	21.95	0.157	23.00	-1.05
		3690.0	-0.10	1 / 1	21.87	21.77	0.150	23.00	-1.23
	16-QAM	3625.0	-0.10	1 / 1	21.21	21.11	0.129	23.00	-1.89
	64-QAM	3625.0	-0.10	50 / 0	20.05	19.95	0.099	23.00	-3.05
256-QAM	3560.0	-0.10	50 / 0	18.06	17.96	0.063	23.00	-5.04	
30 MHz	π/2 BPSK	3565.0	-0.10	1 / 1	21.89	21.79	0.151	23.00	-1.21
		3625.0	-0.10	1 / 1	22.10	22.00	0.158	23.00	-1.00
		3685.0	-0.10	1 / 1	21.90	21.80	0.151	23.00	-1.20
	QPSK	3565.0	-0.10	1 / 1	22.00	21.90	0.155	23.00	-1.10
		3625.0	-0.10	1 / 1	22.08	21.98	0.158	23.00	-1.02
		3685.0	-0.10	1 / 1	21.89	21.79	0.151	23.00	-1.21
	16-QAM	3565.0	-0.10	1 / 1	21.08	20.98	0.125	23.00	-2.02
	64-QAM	3625.0	-0.10	75 / 0	19.98	19.88	0.097	23.00	-3.12
256-QAM	3625.0	-0.10	75 / 0	17.99	17.89	0.062	23.00	-5.11	
40 MHz	π/2 BPSK	3570.0	-0.10	1 / 1	21.88	21.78	0.151	23.00	-1.22
		3625.0	-0.10	1 / 1	22.01	21.91	0.155	23.00	-1.09
		3680.0	-0.10	1 / 36	21.75	21.65	0.146	23.00	-1.35
	QPSK	3570.0	-0.10	1 / 1	21.91	21.81	0.152	23.00	-1.19
		3625.0	-0.10	1 / 1	22.04	21.94	0.156	23.00	-1.06
		3680.0	-0.10	1 / 36	21.80	21.70	0.148	23.00	-1.30
	16-QAM	3625.0	-0.10	1 / 1	20.98	20.88	0.122	23.00	-2.12
	64-QAM	3625.0	-0.10	75 / 0	19.98	19.88	0.097	23.00	-3.12
256-QAM	3625.0	-0.10	75 / 0	17.97	17.87	0.061	23.00	-5.13	

Table 7-11. Antenna 1a EIRP Data (NR Band n48)

FCC ID: BCGA3460	 PART 96 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2509100080-13-R3.BCG	Test Dates: 07/01/2025-10/23/2025	EUT Type: Tablet Device	Page 122 of 147

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Power State	Band	Bandwidth (PCC + SCC)	PCC				SCC				ULCA Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm/10MHz]	EIRP [Watts/10MHz]	EIRP Limit [dBm/10MHz]	Margin [dB]		
			Modulation	UL Channel	UL Frequency [MHz]	UL # RB	UL RB Offset	Modulation	UL Channel	UL Frequency [MHz]							UL # RB	UL RB Offset
Max	LTE B48	20MHz + 5MHz	QPSK	55340	3560.0	1	99	QPSK	55457	3571.7	1	0	19.91	-0.10	19.81	0.096	23.00	-3.19
				55990	3625.0	1	99		56107	3636.7	1	0	22.57	-0.10	22.47	0.177	23.00	-0.53
			16-QAM	56640	3690.0	1	0	56523	3678.3	1	24	19.31	-0.10	19.21	0.083	23.00	-3.79	
				55990	3625	100	0	56107	3636.7	100	0	20.72	-0.10	20.62	0.115	23.00	-2.38	
				55990	3625	100	0	16-QAM	56107	3636.7	100	0	20.42	-0.10	20.32	0.108	23.00	-2.68
				55990	3625	100	0	64-QAM	56107	3636.7	100	0	20.12	-0.10	20.02	0.100	23.00	-2.98
Max	LTE B48	20MHz + 10MHz	QPSK	55340	3560.0	1	99	QPSK	55484	3574.4	1	0	18.83	-0.10	18.73	0.075	23.00	-4.27
				55990	3625.0	1	99		56134	3639.4	1	0	22.49	-0.10	22.39	0.173	23.00	-0.61
			16-QAM	56640	3690.0	1	0	56496	3675.6	1	49	18.98	-0.10	18.88	0.077	23.00	-4.12	
				55990	3625	100	0	QPSK	56134	3639.4	100	0	20.18	-0.10	20.08	0.102	23.00	-2.92
				55990	3625	100	0	16-QAM	56134	3639.4	100	0	19.93	-0.10	19.83	0.096	23.00	-3.17
				55990	3625	100	0	64-QAM	56134	3639.4	100	0	19.69	-0.10	19.59	0.091	23.00	-3.41
Max	LTE B48	20MHz + 15MHz	QPSK	55340	3560.0	1	99	QPSK	55511	3577.1	1	0	18.95	-0.10	18.85	0.077	23.00	-4.15
				55990	3625.0	1	99		56161	3642.1	1	0	22.54	-0.10	22.44	0.175	23.00	-0.56
			16-QAM	56640	3690.0	1	0	56469	3672.9	1	74	18.89	-0.10	18.79	0.076	23.00	-4.21	
				55990	3625	100	0	QPSK	56161	3642.1	100	0	20.20	-0.10	20.10	0.102	23.00	-2.90
				55990	3625	100	0	16-QAM	56161	3642.1	100	0	19.90	-0.10	19.80	0.095	23.00	-3.20
				55990	3625	100	0	64-QAM	56161	3642.1	100	0	19.61	-0.10	19.51	0.089	23.00	-3.49
Max	LTE B48	20MHz + 20MHz	QPSK	55340	3560.0	1	99	QPSK	55538	3579.8	1	0	20.50	-0.10	20.40	0.110	23.00	-2.60
				55990	3625.0	1	99		56188	3644.8	1	0	22.56	-0.10	22.46	0.176	23.00	-0.54
			16-QAM	56640	3690.0	1	0	56442	3670.2	1	99	19.00	-0.10	18.90	0.078	23.00	-4.10	
				55990	3625	100	0	QPSK	56188	3644.8	100	0	20.22	-0.10	20.12	0.103	23.00	-2.88
				55990	3625	100	0	16-QAM	56188	3644.8	100	0	19.96	-0.10	19.86	0.097	23.00	-3.15
				55990	3625	100	0	64-QAM	56188	3644.8	100	0	19.75	-0.10	19.65	0.092	23.00	-3.35
Max	LTE B48	20MHz + 20MHz	QPSK	55340	3560.0	1	99	QPSK	55538	3579.8	1	0	20.50	-0.10	20.40	0.110	23.00	-2.60
				55990	3625.0	1	99		56188	3644.8	1	0	22.56	-0.10	22.46	0.176	23.00	-0.54
			16-QAM	56640	3690.0	1	0	56442	3670.2	1	99	19.00	-0.10	18.90	0.078	23.00	-4.10	
				55990	3625	100	0	QPSK	56188	3644.8	100	0	20.22	-0.10	20.12	0.103	23.00	-2.88
				55990	3625	100	0	16-QAM	56188	3644.8	100	0	19.96	-0.10	19.86	0.097	23.00	-3.15
				55990	3625	100	0	64-QAM	56188	3644.8	100	0	19.75	-0.10	19.65	0.092	23.00	-3.35
Max	LTE B48	20MHz + 20MHz	QPSK	55340	3560.0	1	99	QPSK	55538	3579.8	1	0	20.50	-0.10	20.40	0.110	23.00	-2.60
				55990	3625.0	1	99		56188	3644.8	1	0	22.56	-0.10	22.46	0.176	23.00	-0.54
			16-QAM	56640	3690.0	1	0	56442	3670.2	1	99	19.00	-0.10	18.90	0.078	23.00	-4.10	
				55990	3625	100	0	QPSK	56188	3644.8	100	0	20.22	-0.10	20.12	0.103	23.00	-2.88
				55990	3625	100	0	16-QAM	56188	3644.8	100	0	19.96	-0.10	19.86	0.097	23.00	-3.15
				55990	3625	100	0	64-QAM	56188	3644.8	100	0	19.75	-0.10	19.65	0.092	23.00	-3.35
Max	LTE B48	20MHz + 20MHz	QPSK	55340	3560.0	1	99	QPSK	55538	3579.8	1	0	20.50	-0.10	20.40	0.110	23.00	-2.60
				55990	3625.0	1	99		56188	3644.8	1	0	22.56	-0.10	22.46	0.176	23.00	-0.54
			16-QAM	56640	3690.0	1	0	56442	3670.2	1	99	19.00	-0.10	18.90	0.078	23.00	-4.10	
				55990	3625	100	0	QPSK	56188	3644.8	100	0	20.22	-0.10	20.12	0.103	23.00	-2.88
				55990	3625	100	0	16-QAM	56188	3644.8	100	0	19.96	-0.10	19.86	0.097	23.00	-3.15
				55990	3625	100	0	64-QAM	56188	3644.8	100	0	19.75	-0.10	19.65	0.092	23.00	-3.35
Max	LTE B48	20MHz + 20MHz	QPSK	55340	3560.0	1	99	QPSK	55538	3579.8	1	0	20.50	-0.10	20.40	0.110	23.00	-2.60
				55990	3625.0	1	99		56188	3644.8	1	0	22.56	-0.10	22.46	0.176	23.00	-0.54
			16-QAM	56640	3690.0	1	0	56442	3670.2	1	99	19.00	-0.10	18.90	0.078	23.00	-4.10	
				55990	3625	100	0	QPSK	56188	3644.8	100	0	20.22	-0.10	20.12	0.103	23.00	-2.88
				55990	3625	100	0	16-QAM	56188	3644.8	100	0	19.96	-0.10	19.86	0.097	23.00	-3.15
				55990	3625	100	0	64-QAM	56188	3644.8	100	0	19.75	-0.10	19.65	0.092	23.00	-3.35
Max	LTE B48	20MHz + 20MHz	QPSK	55340	3560.0	1	99	QPSK	55538	3579.8	1	0	20.50	-0.10	20.40	0.110	23.00	-2.60
				55990	3625.0	1	99		56188	3644.8	1	0	22.56	-0.10	22.46	0.176	23.00	-0.54
			16-QAM	56640	3690.0	1	0	56442	3670.2	1	99	19.00	-0.10	18.90	0.078	23.00	-4.10	
				55990	3625	100	0	QPSK	56188	3644.8	100	0	20.22	-0.10	20.12	0.103	23.00	-2.88
				55990	3625	100	0	16-QAM	56188	3644.8	100	0	19.96	-0.10	19.86	0.097	23.00	-3.15
				55990	3625	100	0	64-QAM	56188	3644.8	100	0	19.75	-0.10	19.65	0.092	23.00	-3.35
Max	LTE B48	20MHz + 20MHz	QPSK	55340	3560.0	1	99	QPSK	55538	3579.8	1	0	20.50	-0.10	20.40	0.110	23.00	-2.60
				55990	3625.0	1	99		56188	3644.8	1	0	22.56	-0.10	22.46	0.176	23.00	-0.54
			16-QAM	56640	3690.0	1	0	56442	3670.2	1	99	19.00	-0.10	18.90	0.078	23.00	-4.10	
				55990	3625	100	0	QPSK	56188	3644.8	100	0	20.22	-0.10	20.12	0.103	23.00	-2.88
				55990	3625	100	0	16-QAM	56188	3644.8	100	0	19.96	-0.10	19.86	0.097	23.00	-3.15
				55990	3625	100	0	64-QAM	56188	3644.8	100	0	19.75	-0.10	19.65	0.092	23.00	-3.35
Max	LTE B48	20MHz + 20MHz	QPSK	55340	3560.0	1	99	QPSK	55538	3579.8	1	0	20.50	-0.10	20.40	0.110	23.00	-2.60
				55990	3625.0	1	99		56188	3644.8	1	0	22.56	-0.10	22.46	0.176	23.00	-0.54
			16-QAM	56640	3690.0	1	0	56442	3670.2	1	99	19.00	-0.10	18.90	0.078	23.00	-4.10	
				55990	3625	100	0	QPSK	56188	3644.8	100	0	20.22	-0.10	20.12	0.103	23.00	-2.88
				55990	3625	100	0	16-QAM	56188	3644.8	100	0	19.96	-0.10	19.86	0.097	23.00	-3.15
				55990	3625	100	0	64-QAM	56188	3644.8	100	0	19.75	-0.10	19.65	0.092	23.00	-3.35
Max	LTE B48	20MHz + 20MHz	QPSK	55340	3560.0	1	99	QPSK	55538	3579.8	1	0	20.50	-0.10	20.40	0.110	23.00	-2.60
				55990	3625.0	1	99		56188	3644.8	1	0	22.56	-0.10	22.46	0.176	23.00	-0.54
			16-QAM	56640	3690.0	1	0	56442	3670.2	1	99	19.00	-0.10	18.90	0.078	23.00	-4.10	
				55990	3625	100	0	QPSK	56188	3644.8	100	0	20.22	-0.10	20.12	0.103	23.00	-2.88
				55990	3625	100	0	16-QAM	56188	3644.8	100	0	19.96	-0.10	19.86	0.097	23.00	-3.15
				55990	3625	100	0	64-QAM	56188	3644.8	100	0	19.75	-0.10	19.65	0.092	23.00	-3.35
Max	LTE B48	20MHz + 20MHz	QPSK	55340	3560.0	1	99	QPSK	55538	3579.8	1	0	20.50	-0.10	20.40	0.110	23.00	-2.60
				55990	3625.0	1	99		56188	3644.8	1	0	22.56	-0.10	22.46	0.176	23.00	-0.54
			16-QAM	56640	3690.0	1	0	56442	3670.2	1	99	19.00	-0.10	18.90	0.078	23.00	-4.10	
				55990	3625	100	0	QPSK	56188	3644.8	100	0	20.22	-0.10	20.12	0.103	23.00	-2.88
				55990	3625	100	0	16-QAM	56188	3644.8	100	0	19.96	-0.10	19.86	0.097	23.00	-3.15
				55990	3625	100	0	64-QAM	56188	3644.8	100	0	19.75	-0.10	19.65	0.092	23.00	-3.35
Max	LTE B48	20MHz + 20MHz	QPSK	55340	3560.0	1	99	QPSK	55538	3579.8	1	0	20.50	-0.10	20.40	0.110	23.00	-2.60
				55990	3625.0	1	99		56188	3644.8	1	0	22.56	-0.10	22.46	0.176	23.00	-0.54
			16-QAM	56640	3690.0	1	0	56442	3670.2	1	99	19.00	-0.10	18.90	0.078	23.00	-4.10	
				55990	3625	100	0	QPSK	56188	3644.8	100	0	20.22	-0.10	20.12	0.103	23.00	-2.88
				55990	3625	100	0	16-QAM	56188	3644.8	100	0	19.96	-0.10	19.86	0.097	23.00	-3.15
				55990	3625	100	0											

Table 7-12. Antenna 1a EIRP Data (ULCA LTE Band 48)

FCC ID: BCGA3460	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2509100080-13-R3.BCG	Test Dates: 07/01/2025-10/23/2025 EUT Type: Tablet Device	Page 123 of 147

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7.7 Radiated Spurious Emissions

§2.1053 §96.41(e)

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 = Max Hold (In cases where the level is within 2dB of the limit, the final measurement is taken using triggering/gating and trace averaging.)
7. The trace was allowed to stabilize

FCC ID: BCGA3460	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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Test Setup

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

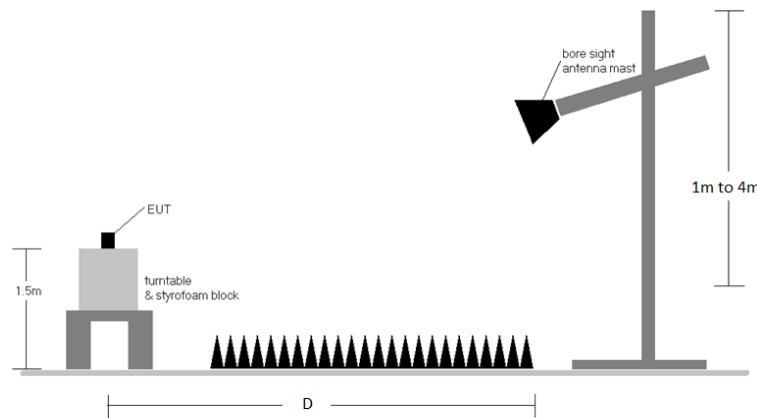


Figure 7-11. Test Instrument & Measurement Setup

Test Notes

1. Field strengths are calculated using the Measurement quantity conversions in KDB 971168 D01 v03r01 Section 5.8.4.
 - a. $E(\text{dB}\mu\text{V}/\text{m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b. $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V}/\text{m}) + 20\log D - 104.8$; where D is the measurement distance in meters.
2. The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below. 1RB config was found and reported as a worst case RB size.
3. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.
4. This unit was tested with its standard battery.
5. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
6. No significant emissions were found for below 1GHz measurement.
7. Emissions below 18GHz were measured at a 3 meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
8. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
9. For pre-scans 1-18GHz, the RBW is set to 1MHz and VBW to 30kHz. For final measurements above 1GHz, the RBW is set to 1MHz and VBW to 3MHz when measuring with an RMS detector and max hold trace.
10. Uplink carrier aggregation intra-band radiated spurious emissions measurements were evaluated for the two contiguous channels using various combinations of RB size, RB offset, modulation, and channel bandwidth. The worst case (highest) emissions were found while operating with QPSK modulation with both carriers set to transmit using 1RB.
11. Pre-scan plots have been reported for the highest power antenna while measurements have been reported for all antennas.

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7.7.1 Antenna 3b Radiated Spurious Emissions Measurements

LTE Band 48

Bandwidth (MHz):	20
Frequency (MHz):	3560.0
Modulation Signal:	QPSK
RB Config (Size / 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/MHz]	Limit [dBm/MHz]	Margin [dB]
7120.0	H	-	-	-78.64	6.10	34.45	-60.80	-40.00	-20.80
10680.0	V	344	15	-73.44	9.05	42.62	-52.64	-40.00	-12.64
14240.0	V	-	-	-81.02	13.65	39.62	-55.63	-40.00	-15.63
17800.0	H	-	-	-82.09	18.19	43.10	-52.16	-40.00	-12.16

Table 7-13. Antenna 3b Radiated Spurious Data (LTE Band 48 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	3625.0
Modulation Signal:	QPSK
RB Config (Size / 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/MHz]	Limit [dBm/MHz]	Margin [dB]
7250.0	H	-	-	-78.16	5.96	34.80	-60.45	-40.00	-20.45
10875.0	V	394	178	-77.55	9.62	39.07	-56.19	-40.00	-16.19
14500.0	H	-	-	-81.04	14.52	40.48	-54.78	-40.00	-14.78

Table 7-14. Antenna 3b Radiated Spurious Data (LTE Band 48 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	3690.0
Modulation Signal:	QPSK
RB Config (Size / 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/MHz]	Limit [dBm/MHz]	Margin [dB]
7380.0	H	-	-	-78.42	5.89	34.47	-60.79	-40.00	-20.79
11070.0	V	305	25	-78.37	9.30	37.93	-57.33	-40.00	-17.33
14760.0	H	-	-	-81.37	15.46	41.09	-54.17	-40.00	-14.17

Table 7-15. Antenna 3b Radiated Spurious Data (LTE Band 48 – High Channel)

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ULCA LTE Band 48

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	3560.0
PCC RB / Offset:	1/ 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	3579.8
SCC RB / Offset:	1/ 0
Modulation Signal:	QPSK

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7120.0	H	-	-	-78.47	5.99	34.52	-60.73	-40.00	-20.73
10680.0	V	-	-	-80.10	9.22	36.12	-59.14	-40.00	-19.14
14240.0	H	-	-	-81.00	13.74	39.74	-55.52	-40.00	-15.52

Table 7-16. Antenna 3b Radiated Spurious Data (ULCA LTE Band 48– Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	3625.0
PCC RB / Offset:	1/ 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	3644.8
SCC RB / Offset:	1/ 0
Modulation Signal:	QPSK

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7250.0	V	-	-	-78.49	5.96	34.47	-60.79	-40.00	-20.79
10875.0	V	-	-	-79.94	9.59	36.64	-58.61	-40.00	-18.61
14500.0	H	-	-	-81.10	14.47	40.38	-54.88	-40.00	-14.88

Table 7-17. Antenna 3b Radiated Spurious Data (ULCA LTE Band 48– Mid Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	3690.0
PCC RB / Offset:	1/ 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	3670.2
SCC RB / Offset:	1/ 0
Modulation Signal:	QPSK

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7380.0	V	-	-	-78.46	5.66	34.19	-61.06	-40.00	-21.06
11070.0	H	-	-	-79.63	9.42	36.79	-58.47	-40.00	-18.47
14760.0	H	-	-	-81.07	14.85	40.78	-54.48	-40.00	-14.48

Table 7-18. Antenna 3b Radiated Spurious Data (ULCA LTE Band 48– High Channel)

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NR Band n48

Bandwidth (MHz):	40
Frequency (MHz):	3570.0
Modulation Signal:	QPSK
RB Config (Size / 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/MHz]	Limit [dBm/MHz]	Margin [dB]
7120.0	V	-	-	-77.98	5.99	35.01	-60.25	-40.00	-20.25
10680.0	V	100	234	-79.39	9.19	36.81	-58.45	-40.00	-18.45
14240.0	V	-	-	-80.67	13.64	39.97	-55.29	-40.00	-15.29
17800.0	H	-	-	-81.86	18.36	43.50	-51.76	-40.00	-11.76

Table 7-19. Antenna 3b Radiated Spurious Data (NR Band n48 – Low Channel)

Bandwidth (MHz):	40
Frequency (MHz):	3625.0
Modulation Signal:	QPSK
RB Config (Size / 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/MHz]	Limit [dBm/MHz]	Margin [dB]
7250.0	V	-	-	-78.05	5.96	34.92	-60.34	-40.00	-20.34
10875.0	V	-	-	-79.20	9.59	37.38	-57.87	-40.00	-17.87
14500.0	H	-	-	-80.61	14.56	40.95	-54.31	-40.00	-14.31

Table 7-20. Antenna 3b Radiated Spurious Data (NR Band n48 – Mid Channel)

Bandwidth (MHz):	40
Frequency (MHz):	3680.0
Modulation Signal:	QPSK
RB Config (Size / 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/MHz]	Limit [dBm/MHz]	Margin [dB]
7380.0	H	-	-	-78.02	5.66	34.63	-60.62	-40.00	-20.62
11070.0	V	-	-	-79.29	9.33	37.04	-58.22	-40.00	-18.22
14760.0	H	-	-	-80.90	15.00	41.10	-54.15	-40.00	-14.15

Table 7-21. Antenna 3b Radiated Spurious Data (NR Band n48 – High Channel)

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7.7.2 Antenna 2a Radiated Spurious Emissions Measurements

LTE Band 48

Bandwidth (MHz):	20
Frequency (MHz):	3560.0
Modulation Signal:	QPSK
RB Config (Size / 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/MHz]	Limit [dBm/MHz]	Margin [dB]
7120.0	H	-	-	-78.61	6.10	34.48	-60.78	-40.00	-20.78
10680.0	V	-	-	-79.91	9.12	36.20	-59.05	-40.00	-19.05
14240.0	H	-	-	-81.20	13.78	39.57	-55.68	-40.00	-15.68

Table 7-22. Antenna 2a Radiated Spurious Data (LTE Band 48 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	3625.0
Modulation Signal:	QPSK
RB Config (Size / 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/MHz]	Limit [dBm/MHz]	Margin [dB]
7250.0	H	-	-	-78.53	5.93	34.39	-60.86	-40.00	-20.86
10875.0	H	-	-	-79.79	9.59	36.80	-58.46	-40.00	-18.46
14500.0	H	-	-	-81.18	14.52	40.33	-54.92	-40.00	-14.92

Table 7-23. Antenna 2a Radiated Spurious Data (LTE Band 48 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	3690.0
Modulation Signal:	QPSK
RB Config (Size / 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/MHz]	Limit [dBm/MHz]	Margin [dB]
7380.0	H	-	-	-78.51	5.89	34.38	-60.87	-40.00	-20.87
11070.0	V	-	-	-79.39	9.36	36.97	-58.29	-40.00	-18.29
14760.0	V	-	-	-81.47	15.41	40.95	-54.31	-40.00	-14.31

Table 7-24. Antenna 2a Radiated Spurious Data (LTE Band 48 – High Channel)

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PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	3560.0
PCC RB / Offset:	1/ 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	3579.8
SCC RB / Offset:	1/ 0
Modulation Signal:	QPSK

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7120.0	H	-	-	-78.61	5.99	34.38	-60.87	-40.00	-20.87
10680.0	V	-	-	-80.01	9.22	36.21	-59.05	-40.00	-19.05
14240.0	H	-	-	-80.94	13.64	39.70	-55.56	-40.00	-15.56

Table 7-25. Antenna 2a Radiated Spurious Data (ULCA LTE Band 48– Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	3625.0
PCC RB / Offset:	1/ 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	3644.8
SCC RB / Offset:	1/ 0
Modulation Signal:	QPSK

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7250.0	H	-	-	-78.51	5.93	34.42	-60.84	-40.00	-20.84
10875.0	H	-	-	-79.75	9.42	36.67	-58.59	-40.00	-18.59
14500.0	H	-	-	-81.07	14.49	40.42	-54.84	-40.00	-14.84

Table 7-26. Antenna 2a Radiated Spurious Data (ULCA LTE Band 48– Mid Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	3690.0
PCC RB / Offset:	1/ 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	3670.2
SCC RB / Offset:	1/ 0
Modulation Signal:	QPSK

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7380.0	H	-	-	-78.52	5.66	34.14	-61.12	-40.00	-21.12
11070.0	H	-	-	-79.68	9.31	36.62	-58.63	-40.00	-18.63
14760.0	H	-	-	-81.72	15.33	40.61	-54.65	-40.00	-14.65

Table 7-27. Antenna 2a Radiated Spurious Data (ULCA LTE Band 48– High Channel)

FCC ID: BCGA3460	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n48

Bandwidth (MHz):	40
Frequency (MHz):	3570.0
Modulation Signal:	QPSK
RB Config (Size / 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/MHz]	Limit [dBm/MHz]	Margin [dB]
7120.0	H	-	-	-78.04	5.99	34.95	-60.31	-40.00	-20.31
10680.0	V	-	-	-79.11	9.22	37.10	-58.16	-40.00	-18.16
14240.0	H	-	-	-80.69	13.74	40.05	-55.21	-40.00	-15.21

Table 7-28. Antenna 2a Radiated Spurious Data (NR Band n48 – Low Channel)

Bandwidth (MHz):	40
Frequency (MHz):	3625.0
Modulation Signal:	QPSK
RB Config (Size / 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/MHz]	Limit [dBm/MHz]	Margin [dB]
7250.0	V	-	-	-77.84	5.93	35.08	-60.17	-40.00	-20.17
10875.0	V	-	-	-79.44	9.59	37.15	-58.11	-40.00	-18.11
14500.0	V	-	-	-80.95	14.52	40.56	-54.69	-40.00	-14.69

Table 7-29. Antenna 2a Radiated Spurious Data (NR Band n48 – Mid Channel)

Bandwidth (MHz):	40
Frequency (MHz):	3680.0
Modulation Signal:	QPSK
RB Config (Size / 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/MHz]	Limit [dBm/MHz]	Margin [dB]
7380.0	V	-	-	-77.65	5.66	35.00	-60.25	-40.00	-20.25
11070.0	H	-	-	-79.34	9.42	37.08	-58.17	-40.00	-18.17
14760.0	V	-	-	-81.16	15.14	40.98	-54.27	-40.00	-14.27

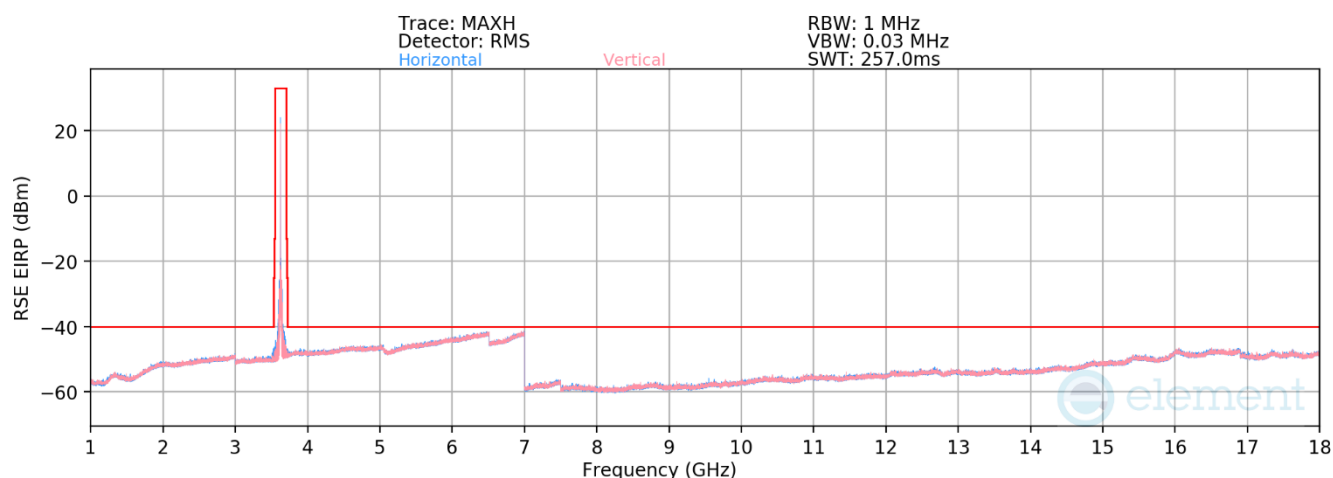
Table 7-30. Antenna 2a Radiated Spurious Data (NR Band n48 – High Channel)

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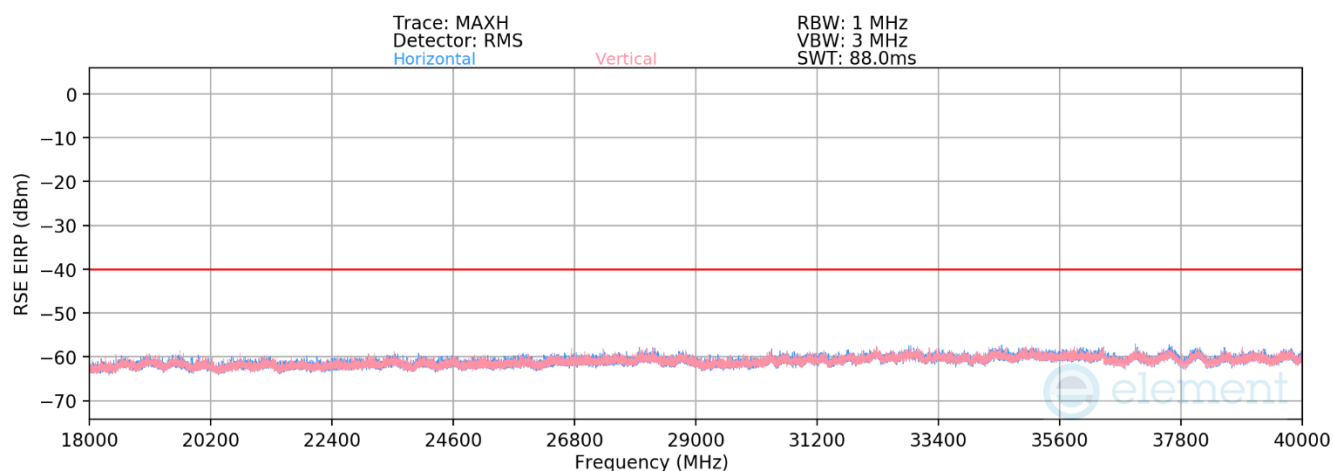
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7.7.3 Antenna 4 Radiated Spurious Emissions Measurements

LTE Band 48



Plot 7-178. Antenna 4 Radiated Spurious Plot 1 – 18GHz (LTE Band 48)



Plot 7-179. Antenna 4 Radiated Spurious Plot 18 – 40GHz (LTE Band 48)

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Bandwidth (MHz):	20
Frequency (MHz):	3560.0
Modulation Signal:	QPSK
RB Config (Size / 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/MHz]	Limit [dBm/MHz]	Margin [dB]
7120.0	H	-	-	-78.63	5.99	34.36	-60.90	-40.00	-20.90
10680.0	H	-	-	-79.63	9.12	36.49	-58.77	-40.00	-18.77
14240.0	H	-	-	-81.02	13.72	39.70	-55.56	-40.00	-15.56

Table 7-31. Antenna 4 Radiated Spurious Data (LTE Band 48 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	3625.0
Modulation Signal:	QPSK
RB Config (Size / 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/MHz]	Limit [dBm/MHz]	Margin [dB]
7250.0	V	-	-	-78.52	5.93	34.40	-60.86	-40.00	-20.86
10875.0	V	-	-	-79.68	9.42	36.73	-58.52	-40.00	-18.52
14500.0	H	-	-	-81.21	14.52	40.31	-54.95	-40.00	-14.95

Table 7-32. Antenna 4 Radiated Spurious Data (LTE Band 48 – Mid Channel)

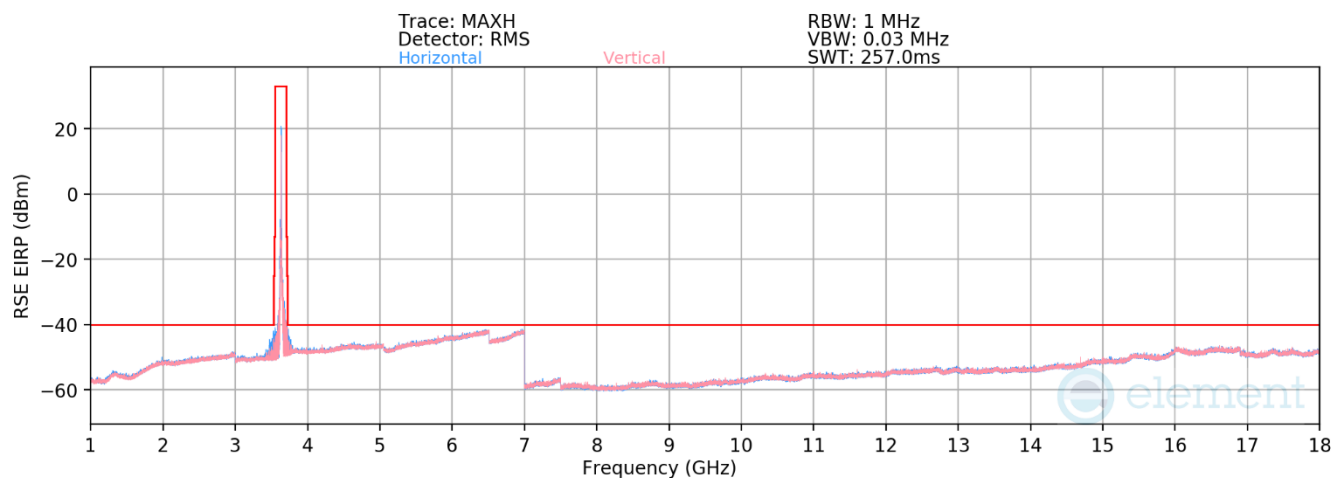
Bandwidth (MHz):	20
Frequency (MHz):	3690.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 50

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7380.0	V	-	-	-78.43	5.89	34.46	-60.80	-40.00	-20.80
11070.0	V	-	-	-79.30	9.36	37.06	-58.20	-40.00	-18.20
14760.0	V	-	-	-81.37	15.46	41.09	-54.17	-40.00	-14.17

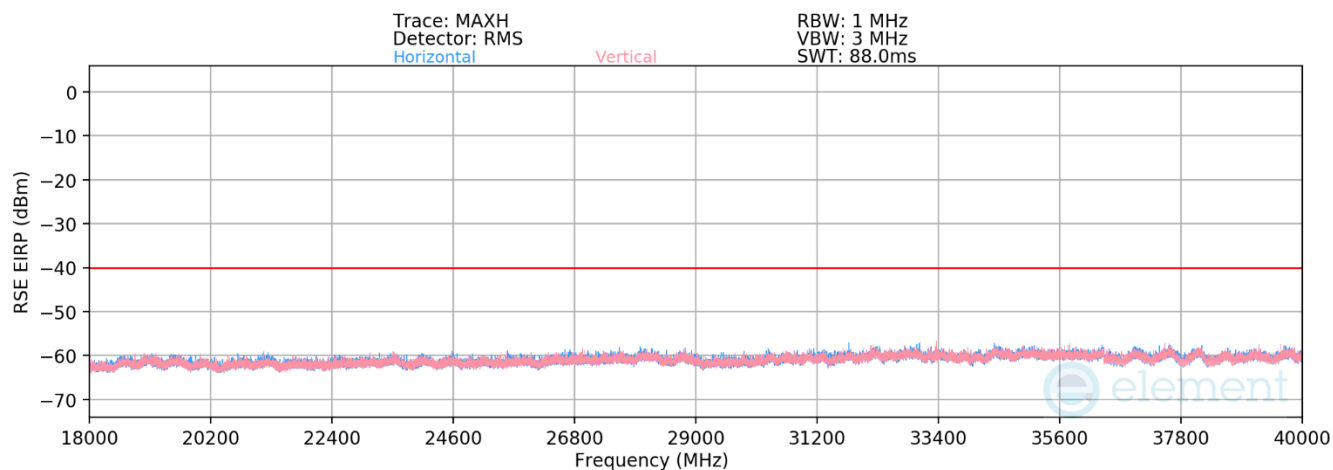
Table 7-33. Antenna 4 Radiated Spurious Data (LTE Band 48 – High Channel)

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ULCA LTE Band 48



Plot 7-180. Antenna 4 Radiated Spurious Plot 1 – 18GHz (ULCA LTE Band 48)



Plot 7-181. Antenna 4 Radiated Spurious Plot 18 – 40GHz (ULCA LTE Band 48)

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PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	3560.0
PCC RB / Offset:	1/ 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	3579.8
SCC RB / Offset:	1/ 0
Modulation Signal:	QPSK

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7120.0	V	-	-	-78.33	5.99	34.66	-60.60	-40.00	-20.60
10680.0	H	-	-	-80.15	9.22	36.07	-59.19	-40.00	-19.19
14240.0	H	-	-	-81.05	13.71	39.66	-55.59	-40.00	-15.59

Table 7-34. Antenna 4 Radiated Spurious Data (ULCA LTE Band 48– Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	3625.0
PCC RB / Offset:	1/ 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	3644.8
SCC RB / Offset:	1/ 0
Modulation Signal:	QPSK

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7250.0	V	-	-	-78.59	5.93	34.33	-60.93	-40.00	-20.93
10875.0	V	-	-	-79.86	9.42	36.55	-58.70	-40.00	-18.70
14500.0	H	-	-	-81.01	14.54	40.53	-54.72	-40.00	-14.72

Table 7-35. Antenna 4 Radiated Spurious Data (ULCA LTE Band 48– Mid Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	3690.0
PCC RB / Offset:	1/ 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	3670.2
SCC RB / Offset:	1/ 0
Modulation Signal:	QPSK

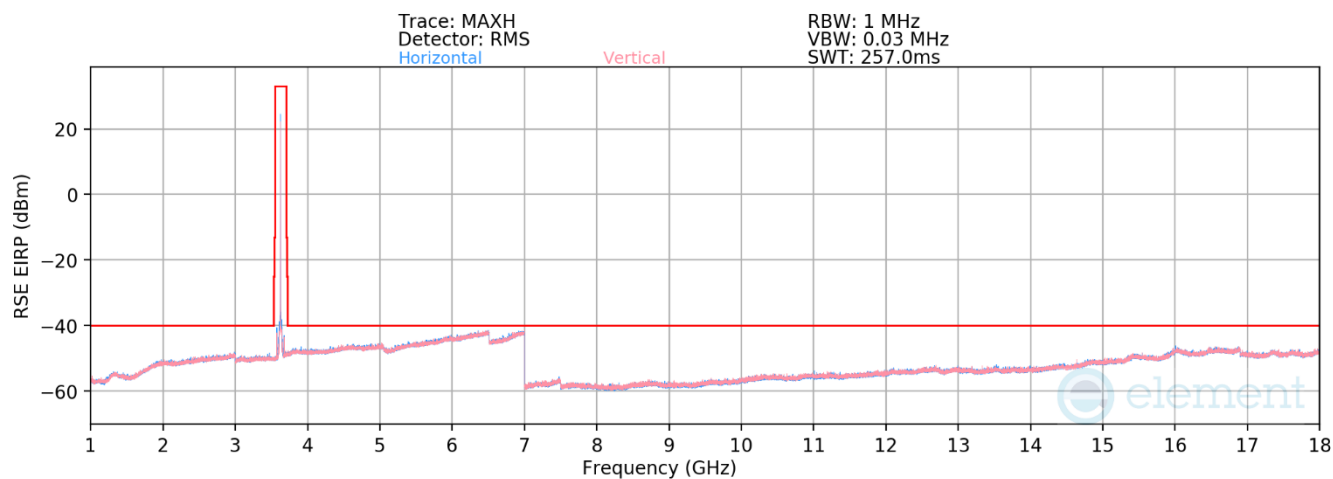
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7380.0	H	-	-	-78.52	5.66	34.14	-61.12	-40.00	-21.12
11070.0	H	-	-	-79.44	9.31	36.86	-58.39	-40.00	-18.39
14760.0	H	-	-	-81.69	15.33	40.64	-54.62	-40.00	-14.62

Table 7-36. Antenna 4 Radiated Spurious Data (ULCA LTE Band 48– High Channel)

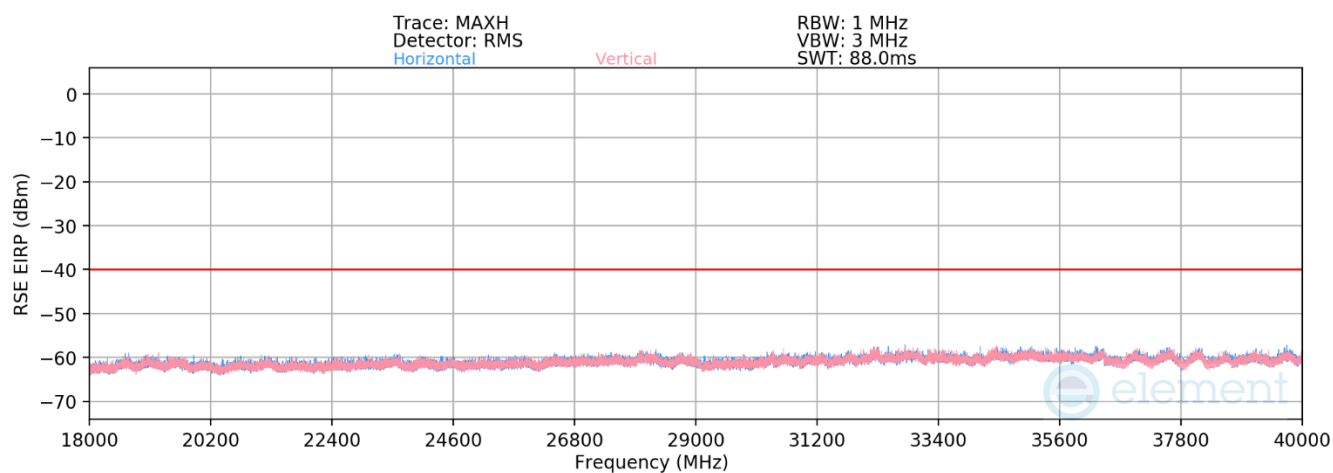
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NR Band n48



Plot 7-182. Antenna 4 Radiated Spurious Plot 1 – 18GHz (NR Band n48)



Plot 7-183. Antenna 4 Radiated Spurious Plot 18 – 40GHz (NR Band n48)

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Bandwidth (MHz):	40
Frequency (MHz):	3570.0
Modulation Signal:	QPSK
RB Config (Size / 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/MHz]	Limit [dBm/MHz]	Margin [dB]
7120.0	H	-	-	-78.06	5.99	34.93	-60.32	-40.00	-20.32
10680.0	H	-	-	-79.36	9.22	36.85	-58.40	-40.00	-18.40
14240.0	H	-	-	-80.56	13.64	40.09	-55.17	-40.00	-15.17

Table 7-37. Antenna 4 Radiated Spurious Data (NR Band n48 – Low Channel)

Bandwidth (MHz):	40
Frequency (MHz):	3625.0
Modulation Signal:	QPSK
RB Config (Size / 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/MHz]	Limit [dBm/MHz]	Margin [dB]
7250.0	V	-	-	-78.06	5.93	34.86	-60.40	-40.00	-20.40
10875.0	H	-	-	-79.54	9.62	37.08	-58.18	-40.00	-18.18
14500.0	H	-	-	-80.78	14.44	40.66	-54.59	-40.00	-14.59

Table 7-38. Antenna 4 Radiated Spurious Data (NR Band n48 – Mid Channel)

Bandwidth (MHz):	40
Frequency (MHz):	3680.0
Modulation Signal:	QPSK
RB Config (Size / 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/MHz]	Limit [dBm/MHz]	Margin [dB]
7380.0	H	-	-	-77.91	5.66	34.74	-60.51	-40.00	-20.51
11070.0	H	-	-	-79.48	9.42	36.95	-58.31	-40.00	-18.31
14760.0	V	-	-	-81.16	15.14	40.99	-54.27	-40.00	-14.27

Table 7-39. Antenna 4 Radiated Spurious Data (NR Band n48 – High Channel)

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7.7.4 Antenna 1a Radiated Spurious Emissions Measurements

LTE Band 48

Bandwidth (MHz):	20
Frequency (MHz):	3560.0
Modulation Signal:	QPSK
RB Config (Size / 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/MHz]	Limit [dBm/MHz]	Margin [dB]
7120.0	V	-	-	-78.72	5.99	34.26	-60.99	-40.00	-20.99
10680.0	H	-	-	-79.85	9.08	36.23	-59.03	-40.00	-19.03
14240.0	V	-	-	-81.03	13.78	39.75	-55.51	-40.00	-15.51

Table 7-40. Antenna 1a Radiated Spurious Data (LTE Band 48 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	3625.0
Modulation Signal:	QPSK
RB Config (Size / 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/MHz]	Limit [dBm/MHz]	Margin [dB]
7250.0	V	-	-	-78.53	6.19	34.66	-60.60	-40.00	-20.60
10875.0	V	-	-	-79.82	9.59	36.76	-58.49	-40.00	-18.49
14500.0	H	-	-	-81.16	14.49	40.33	-54.93	-40.00	-14.93

Table 7-41. Antenna 1a Radiated Spurious Data (LTE Band 48 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	3690.0
Modulation Signal:	QPSK
RB Config (Size / 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/MHz]	Limit [dBm/MHz]	Margin [dB]
7380.0	V	-	-	-77.67	5.66	34.99	-60.27	-40.00	-20.27
11070.0	H	-	-	-79.45	9.30	36.85	-58.41	-40.00	-18.41
14760.0	V	-	-	-81.41	15.46	41.06	-54.20	-40.00	-14.20

Table 7-42. Antenna 1a Radiated Spurious Data (LTE Band 48 – High Channel)

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ULCA LTE Band 48

PCC Bandwidth (M Hz):	20
PCC Frequency (M Hz):	3560.0
PCC RB / Offset:	1/ 99
SCC Bandwidth (M Hz):	20
SCC Frequency (M Hz):	3579.8
SCC RB / Offset:	1/ 0
Modulation Signal:	QPSK

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7120.0	V	-	-	-78.44	5.99	34.55	-60.71	-40.00	-20.71
10680.0	V	-	-	-80.10	9.05	35.95	-59.31	-40.00	-19.31
14240.0	V	-	-	-81.07	13.74	39.67	-55.59	-40.00	-15.59

Table 7-43. Antenna 1a Radiated Spurious Data (ULCA LTE Band 48– Low Channel)

PCC Bandwidth (M Hz):	20
PCC Frequency (M Hz):	3625.0
PCC RB / Offset:	1/ 99
SCC Bandwidth (M Hz):	20
SCC Frequency (M Hz):	3644.8
SCC RB / Offset:	1/ 0
Modulation Signal:	QPSK

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7250.0	V	-	-	-78.45	5.84	34.39	-60.87	-40.00	-20.87
10875.0	V	-	-	-79.80	9.57	36.77	-58.49	-40.00	-18.49
14500.0	V	-	-	-81.24	14.49	40.25	-55.01	-40.00	-15.01

Table 7-44. Antenna 1a Radiated Spurious Data (ULCA LTE Band 48– Mid Channel)

PCC Bandwidth (M Hz):	20
PCC Frequency (M Hz):	3690.0
PCC RB / Offset:	1/ 99
SCC Bandwidth (M Hz):	20
SCC Frequency (M Hz):	3670.2
SCC RB / Offset:	1/ 0
Modulation Signal:	QPSK

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/MHz]	Limit [dBm/MHz]	Margin [dB]
7380.0	V	-	-	-78.54	5.77	34.23	-61.03	-40.00	-21.03
11070.0	H	-	-	-79.76	9.33	36.57	-58.69	-40.00	-18.69
14760.0	H	-	-	-81.72	15.33	40.61	-54.65	-40.00	-14.65

Table 7-45. Antenna 1a Radiated Spurious Data (ULCA LTE Band 48– High Channel)

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NR Band n48

Bandwidth (MHz):	40
Frequency (MHz):	3570.0
Modulation Signal:	QPSK
RB Config (Size / 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/MHz]	Limit [dBm/MHz]	Margin [dB]
7120.0	V	-	-	-78.00	5.99	34.99	-60.27	-40.00	-20.27
10680.0	V	-	-	-79.25	9.17	36.91	-58.34	-40.00	-18.34
14240.0	V	-	-	-80.50	13.71	40.21	-55.05	-40.00	-15.05

Table 7-46. Antenna 1a Radiated Spurious Data (NR Band n48 – Low Channel)

Bandwidth (MHz):	40
Frequency (MHz):	3625.0
Modulation Signal:	QPSK
RB Config (Size / 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/MHz]	Limit [dBm/MHz]	Margin [dB]
7250.0	V	-	-	-77.84	5.93	35.08	-60.17	-40.00	-20.17
10875.0	V	-	-	-79.11	9.42	37.30	-57.95	-40.00	-17.95
14500.0	V	-	-	-80.89	14.44	40.55	-54.71	-40.00	-14.71

Table 7-47. Antenna 1a Radiated Spurious Data (NR Band n48 – Mid Channel)

Bandwidth (MHz):	40
Frequency (MHz):	3680.0
Modulation Signal:	QPSK
RB Config (Size / 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/MHz]	Limit [dBm/MHz]	Margin [dB]
7380.0	V	-	-	-77.98	5.84	34.86	-60.40	-40.00	-20.40
11070.0	H	-	-	-79.08	9.34	37.25	-58.00	-40.00	-18.00
14760.0	V	-	-	-80.99	15.14	41.15	-54.10	-40.00	-14.10

Table 7-48. Antenna 1a Radiated Spurious Data (NR Band n48 – High Channel)

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7.8 Frequency Stability / Temperature Variation

§2.1055

Test Overview and Limit

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

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

For Part 96, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

Test Procedure Used

ANSI C63.26-2015

TIA-603-E-2016

Test Settings

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

Test Setup

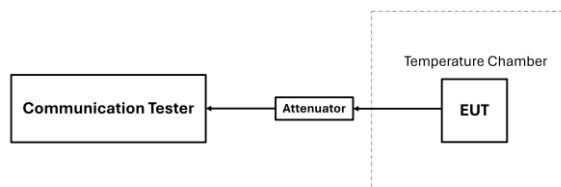


Figure 7-12. LTE Test Instrument & Measurement Setup

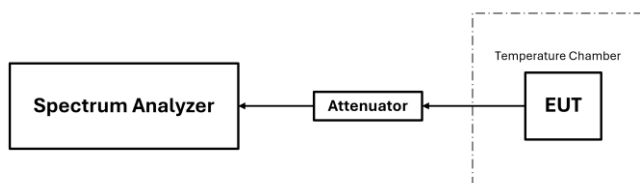


Figure 7-13. FR1 Test Instrument & Measurement Setup

Test Notes

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

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Frequency Stability / Temperature Variation

LTE Band 48				
		Operating Band Lower Boundary (GHz)		3.550
		Ref. Voltage (VDC):		3.80
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	3.55024387	-0.00024387
		- 20	3.55096521	-0.00096521
		- 10	3.55038461	-0.00038461
		0	3.55015793	-0.00015793
		+ 10	3.55072655	-0.00072655
		+ 20 (Ref)	3.55081932	-0.00081932
		+ 30	3.55067120	-0.00067120
		+ 40	3.55050214	-0.00050214
		+ 50	3.55091348	-0.00091348
Battery Endpoint	3.40	+ 20	3.55039875	-0.00039875

Table 49. LTE Band 48 Lower Boundary Frequency Stability Data

LTE Band 48				
		Operating Band Upper Boundary (GHz)		3.700
		Ref. Voltage (VDC):		3.80
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	3.69948726	-0.00051274
		- 20	3.69915293	-0.00084707
		- 10	3.69983648	-0.00016352
		0	3.69994109	-0.00005892
		+ 10	3.69927530	-0.00072470
		+ 20 (Ref)	3.69961357	-0.00038643
		+ 30	3.69904482	-0.00095518
		+ 40	3.69972618	-0.00027382
		+ 50	3.69959841	-0.00040159
Battery Endpoint	3.40	+ 20	3.69932251	-0.00067749

Table 50. LTE Band 48 Upper Boundary Frequency Stability Data

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Frequency Stability / Temperature Variation

NR Band n48				
		Operating Band Lower Boundary (GHz)	3.550	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	3.55072635	-0.00072635
		- 20	3.55019483	-0.00019483
		- 10	3.55091570	-0.00091570
		0	3.55048262	-0.00048262
		+ 10	3.55063729	-0.00063729
		+ 20 (Ref)	3.55031875	-0.00031875
		+ 30	3.55084353	-0.00084353
		+ 40	3.55005917	-0.00005917
		+ 50	3.55057862	-0.00057862
Battery Endpoint	3.40	+ 20	3.55097285	-0.00097285

Table 51. NR Band n48 Lower Boundary Frequency Stability Data

NR Band n48				
		Operating Band Upper Boundary (GHz)	3.700	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	3.69932481	-0.00067519
		- 20	3.69987594	-0.00012406
		- 10	3.69914239	-0.00085762
		0	3.69996143	-0.00003857
		+ 10	3.69950371	-0.00049629
		+ 20 (Ref)	3.69929748	-0.00070252
		+ 30	3.69974281	-0.00025720
		+ 40	3.69901956	-0.00098044
		+ 50	3.69968039	-0.00031961
Battery Endpoint	3.40	+ 20	3.69941826	-0.00058174

Table 52. NR Band n48 Upper Boundary Frequency Stability Data

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7.9 End User Device Additional Requirement (CBSD Protocol)

§96.47

Test Overview and Limit

End user device additional requirements (CBSD Protocol) are tested per the test procedures listed below. During testing, the EUT is connected to a certified CBSDs (AirSpan FCC ID(s): PIDAV1901 and PIDAV1500) as a companion device to show compliance with Part 96.47.

End User Devices may operate only if they can positively receive and decode an authorization signal transmitted by a CBSD, including the frequencies and power limits for their operation.

An End User Device must discontinue operations, change frequencies, or change its operational power level within 10 seconds of receiving instructions from its associated CBSD.

Test Procedure Used

KDB 940660 D01 v03

WINNF-TS-0122 v1.0.2

Test Setup/Method

The EUT was connected via an RF cable to a certified CBSD and spectrum analyzer. The following procedure is performed by applying WINNF-TS-0122 CBRS CBSD Test Specification.

1. Run#1:
 - a. Setup WINNF.PT.C.HBT.1 with 3615 – 3635MHz.
 - b. Enable AP service from Airspan Cloud Platform.
 - c. Check EUT Tx frequency.
 - d. Disable AP service from Airspan Cloud Platform and check EUT stop transmission within 10s.
2. Run#2:
 - a. Setup WINNF.PT.C.HBT.1 with 3615MHz – 3635MHz.
 - b. Enable AP service from Airspan Cloud Platform.
 - c. Check EUT Tx frequency.
 - d. Disable AP service from Airspan Cloud Platform and check EUT stop transmission within 10s.

Test Notes

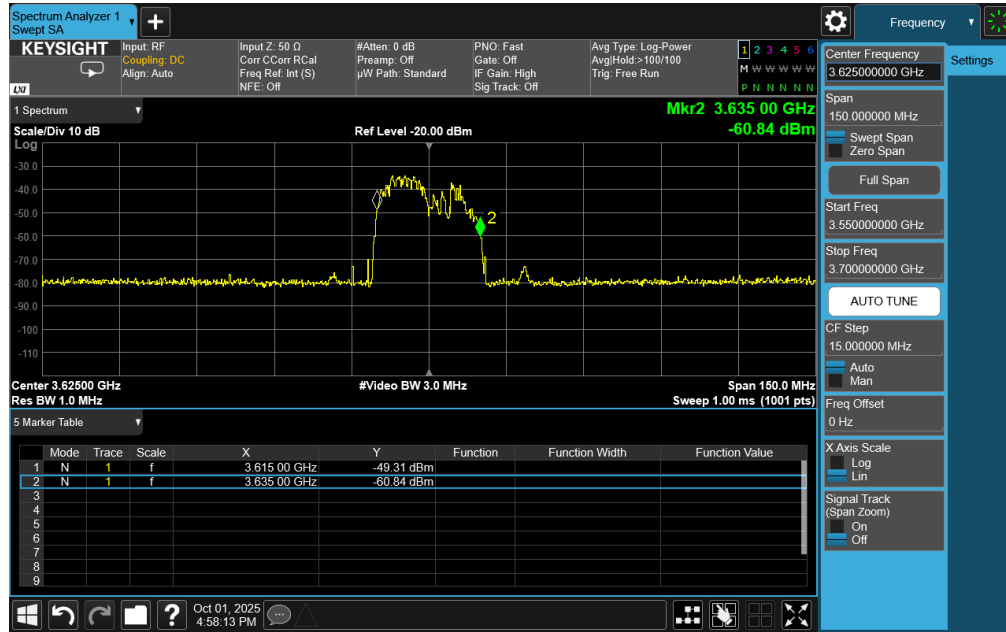
The EUT is an End User Device.

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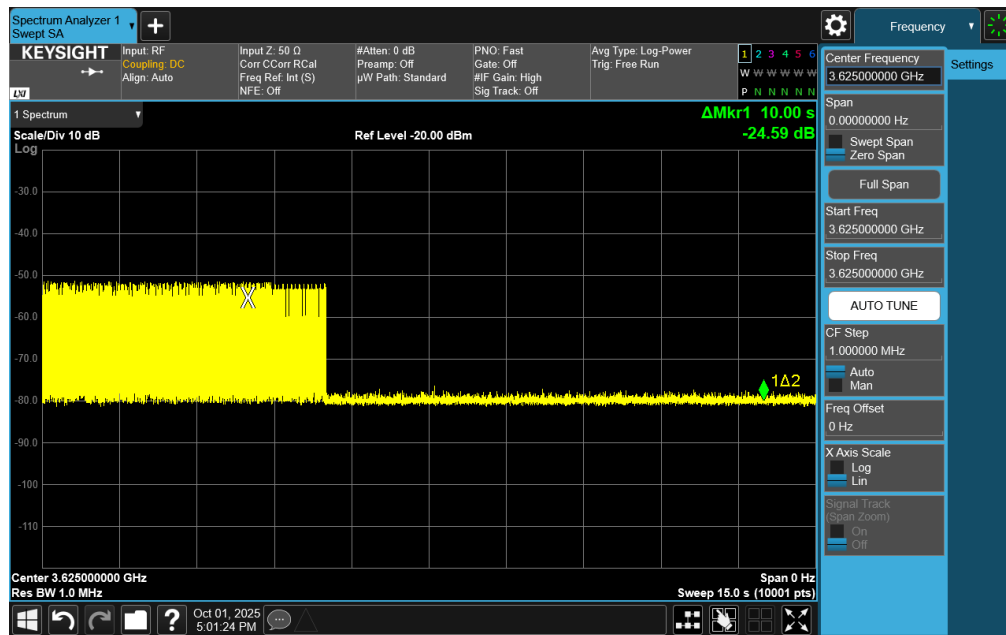
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Run#1 LTE-B48:

- Tx Frequency Set: 3615 – 3635MHz
- MaxEIRP Set: 10dBm/MHz



Plot 7-184. Run#1 End User Device Frequency of Operations



Plot 7-185. Run#1 End User Device Discontinues Operations within 10s

Note:

Marker 1: CBSD sends instructions to discontinue LTE operations.
 Marker 2: 10 seconds elapsed time from CBSD sending instructions to EUT.

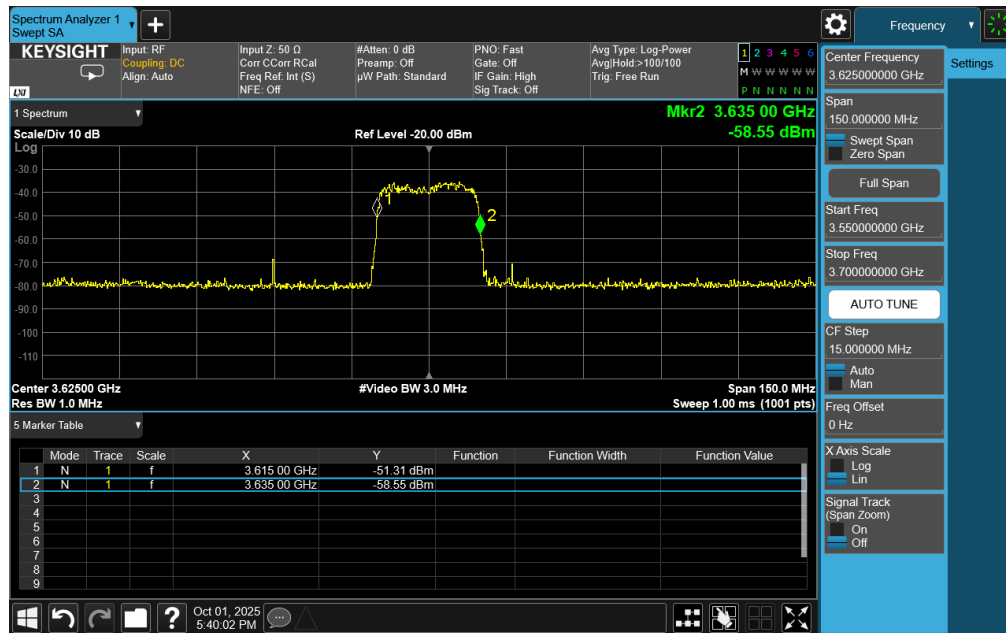
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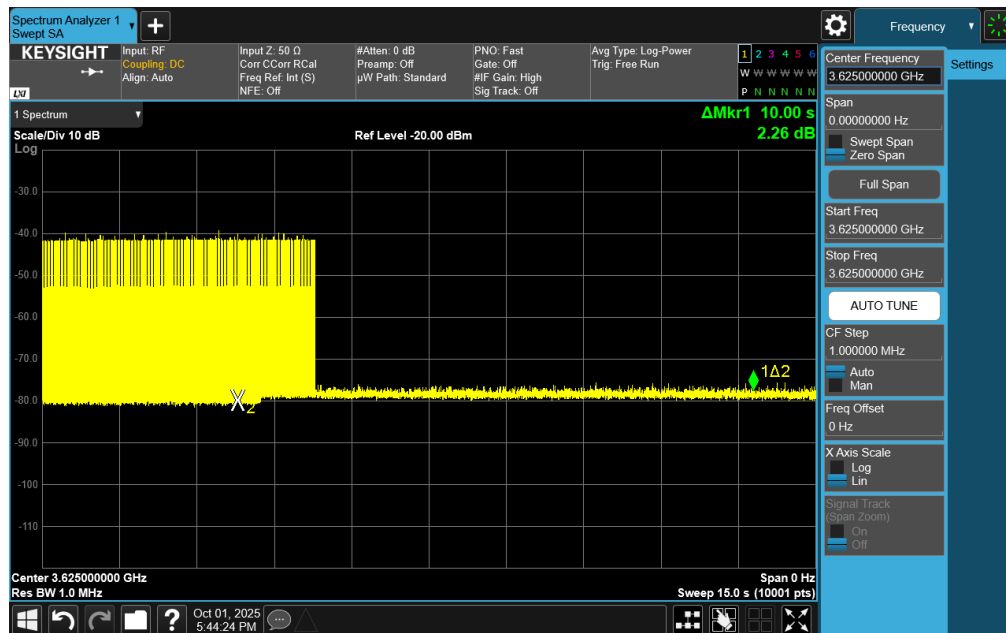
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Run#2 FR1-n48:

- Tx Frequency Set: 3615 – 3635MHz
- MaxEIRP Set: 10dBm/MHz



Plot 7-186. Run#2 End User Device Frequency of Operations



Plot 7-187. Run#2 End User Device Discontinues Operations within 10s

Note:

Marker 1: CBSD sends instructions to discontinue FR1 operations.
 Marker 2: 10 seconds elapsed time from CBSD sending instructions to EUT.

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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: BCGA3460** complies with all the End User Device requirements of Part 96 of the FCC Rules.

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