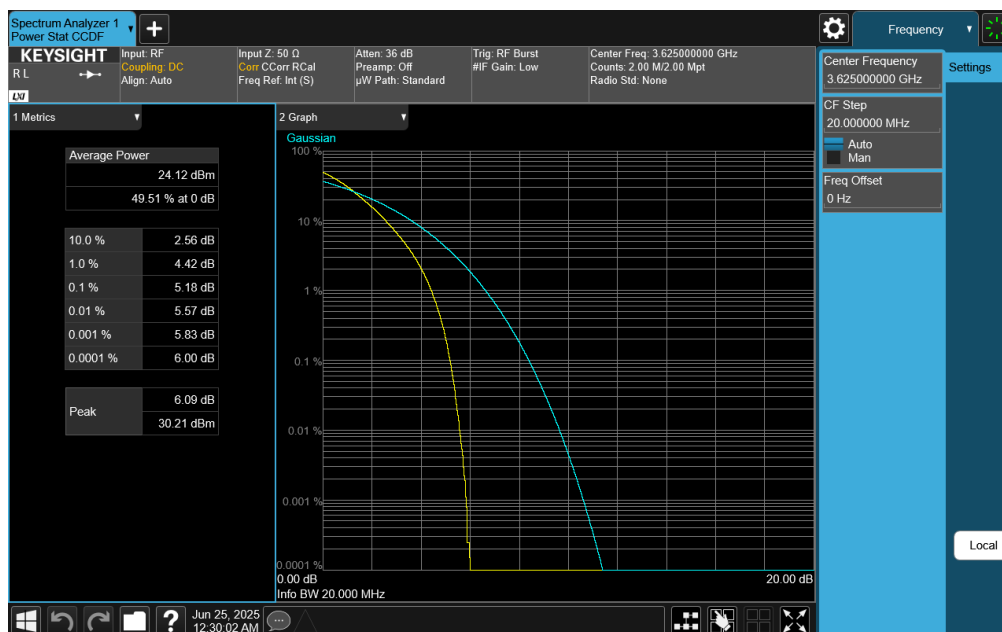
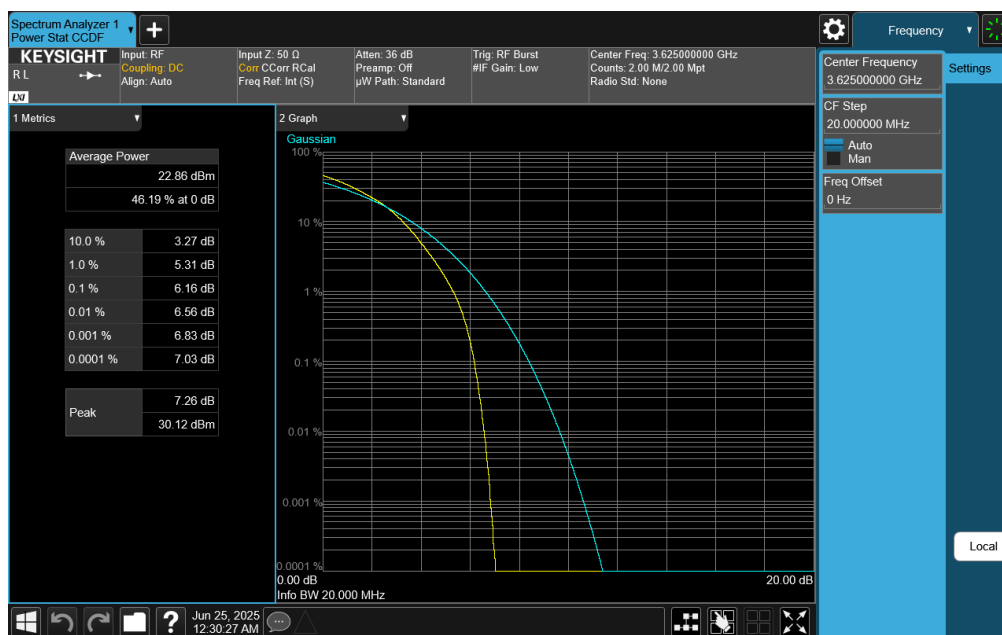




Plot 7-133. PAR Plot (LTE Band 48 - 20MHz QPSK – Full RB)

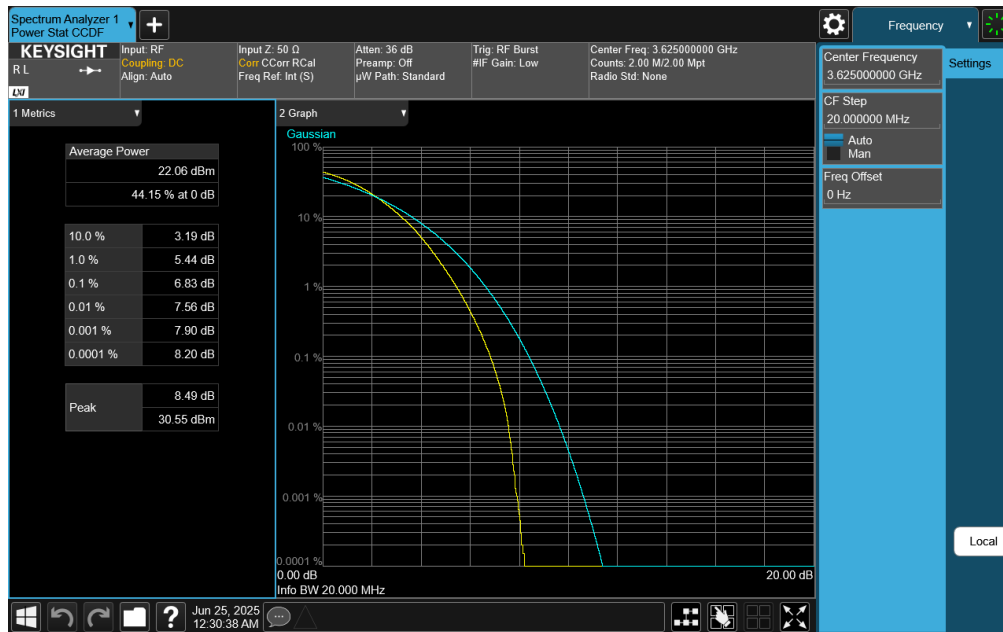


Plot 7-134. PAR Plot (LTE Band 48 - 20MHz 16-QAM – Full RB)

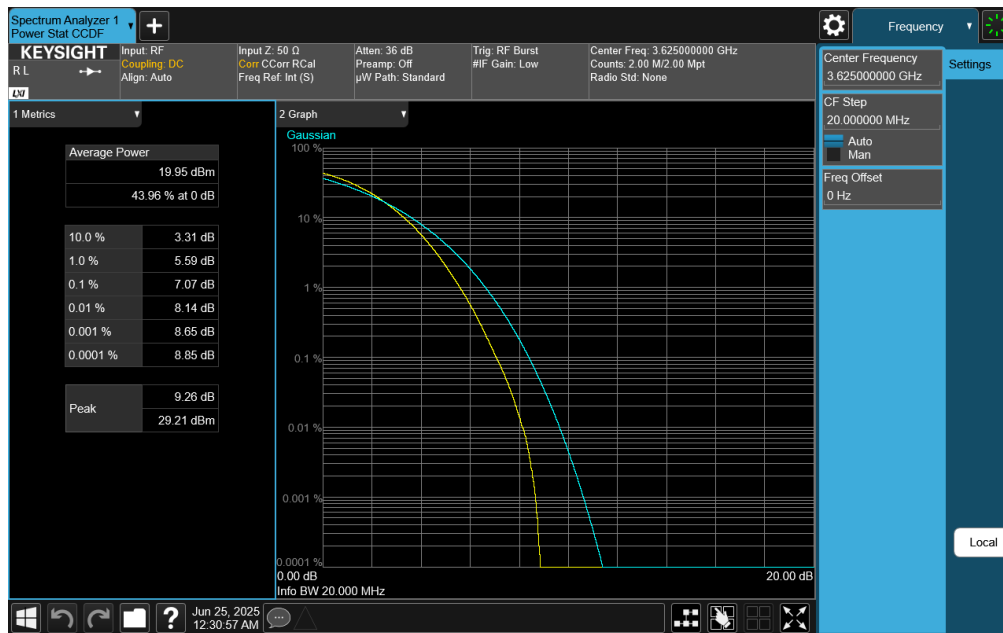
FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-13.BCG	Test Dates: 5/9/2025-8/7/2025	EUT Type: Tablet Device
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Plot 7-135. PAR Plot (LTE Band 48 - 20MHz 64-QAM – Full RB)



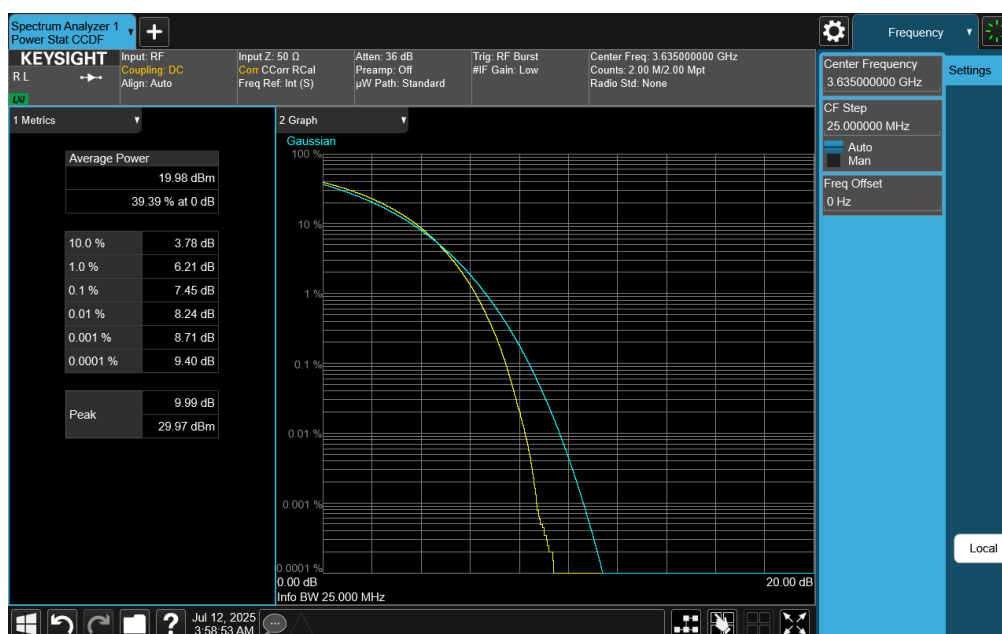
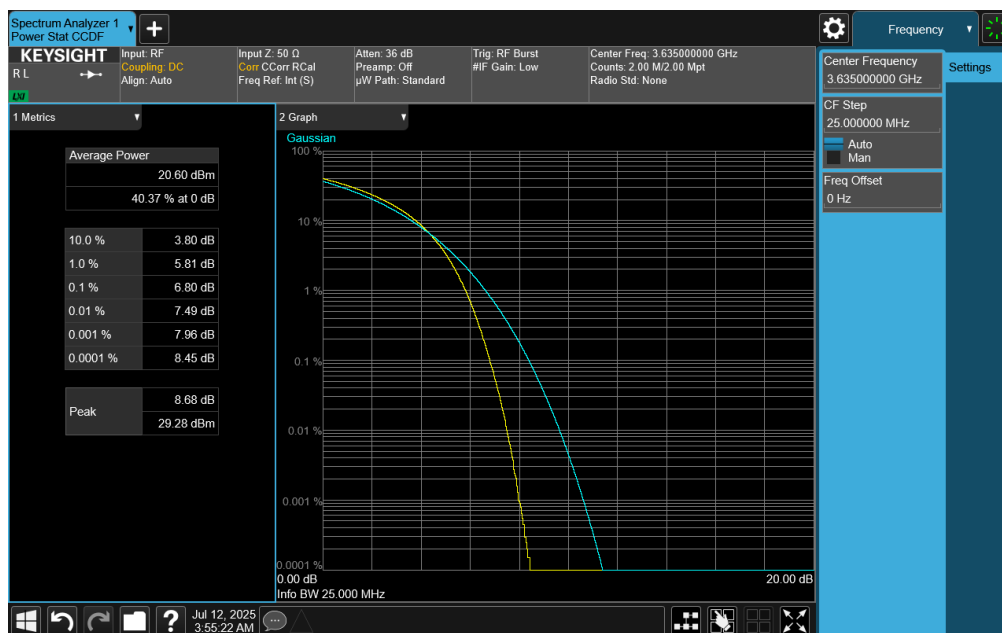
Plot 7-136. PAR Plot (LTE Band 48 - 20MHz 256-QAM – Full RB)

FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-13.BCG	Test Dates: 5/9/2025-8/7/2025	EUT Type: Tablet Device
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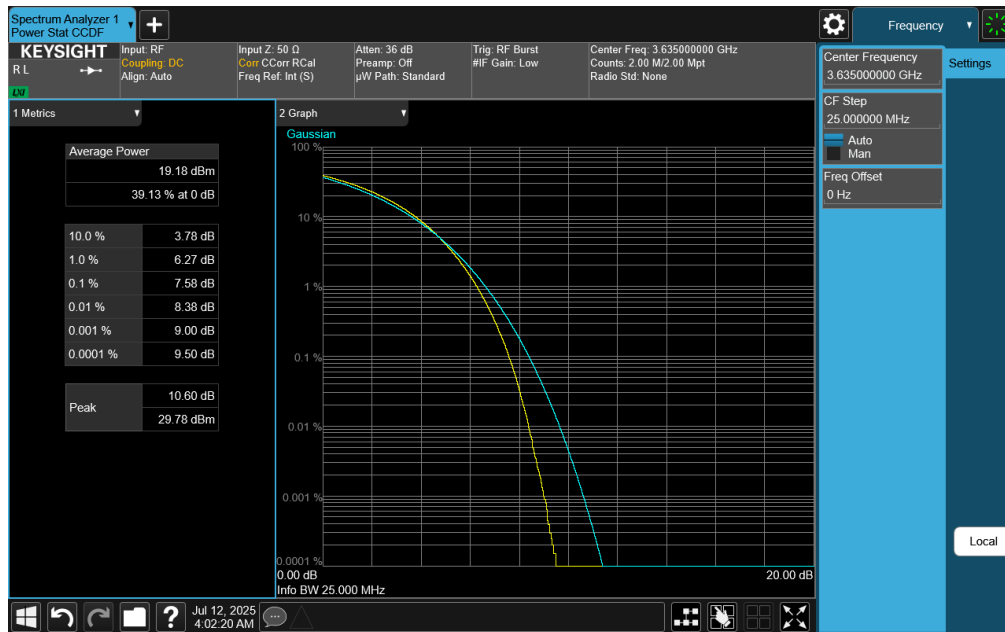
ULCA LTE Band 48



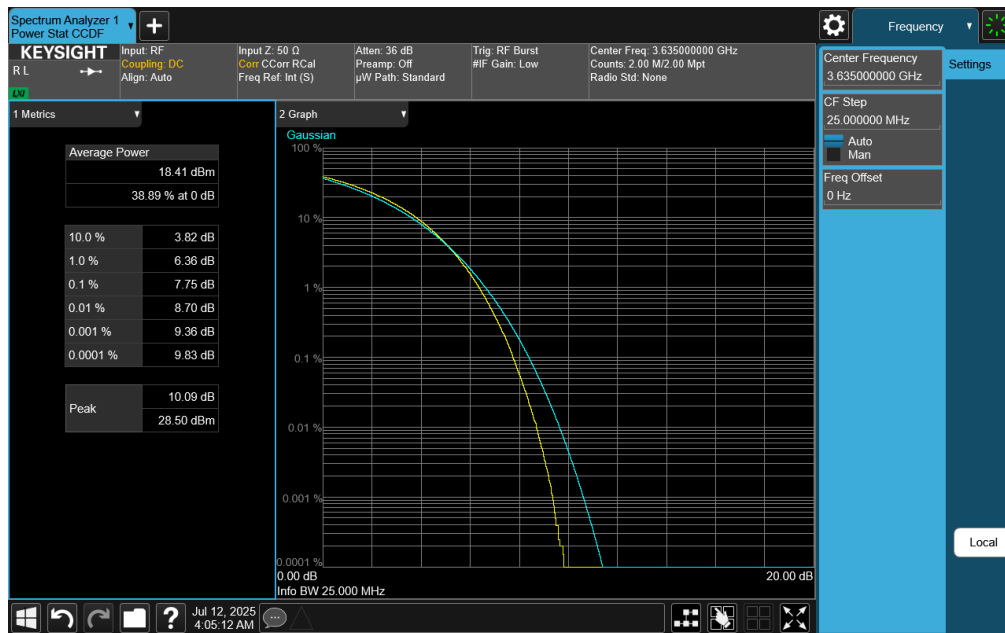
FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-13.BCG	Test Dates: 5/9/2025-8/7/2025	EUT Type: Tablet Device
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Plot 7-139. PAR Plot (ULCA LTE Band 48 - 20+5MHz 64-QAM – Full RB)

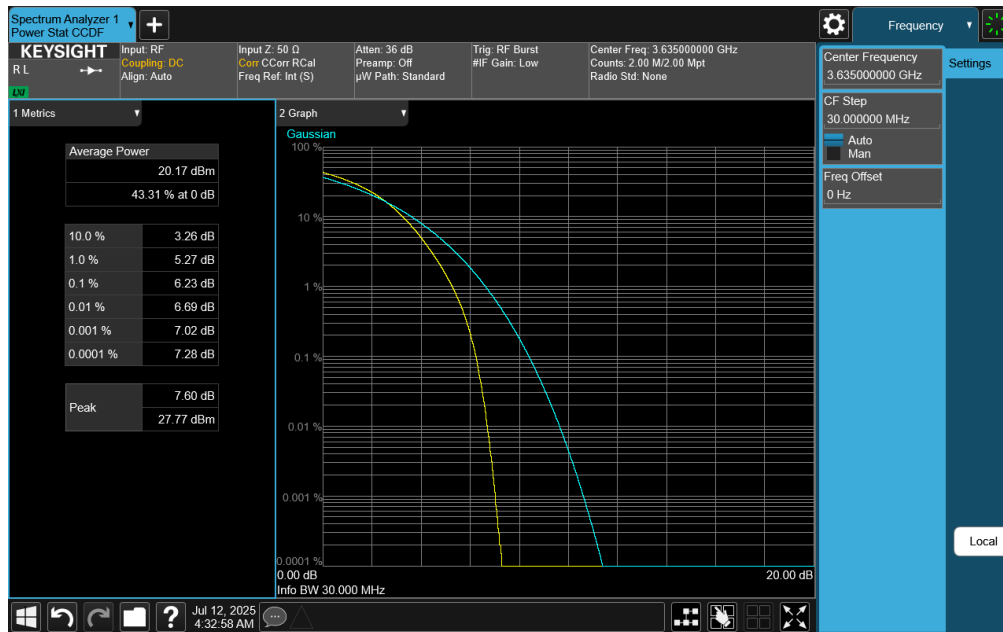


Plot 7-140. PAR Plot (ULCA LTE Band 48 - 20+5MHz 256-QAM – Full RB)

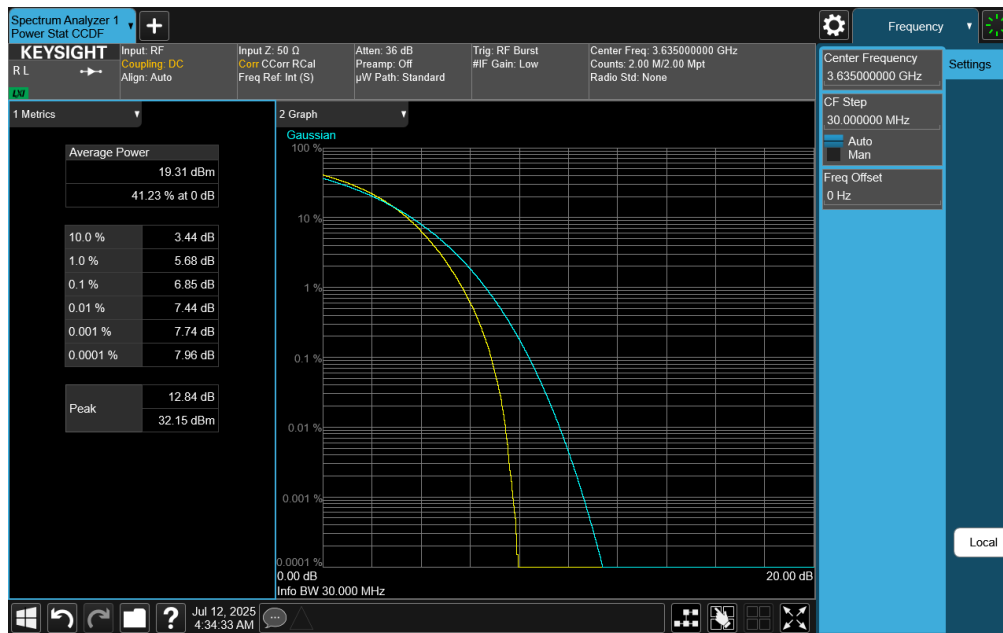
FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-13.BCG	Test Dates: 5/9/2025-8/7/2025	EUT Type: Tablet Device
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Plot 7-141. PAR Plot (ULCA LTE Band 48 - 20+10MHz QPSK – Full RB)

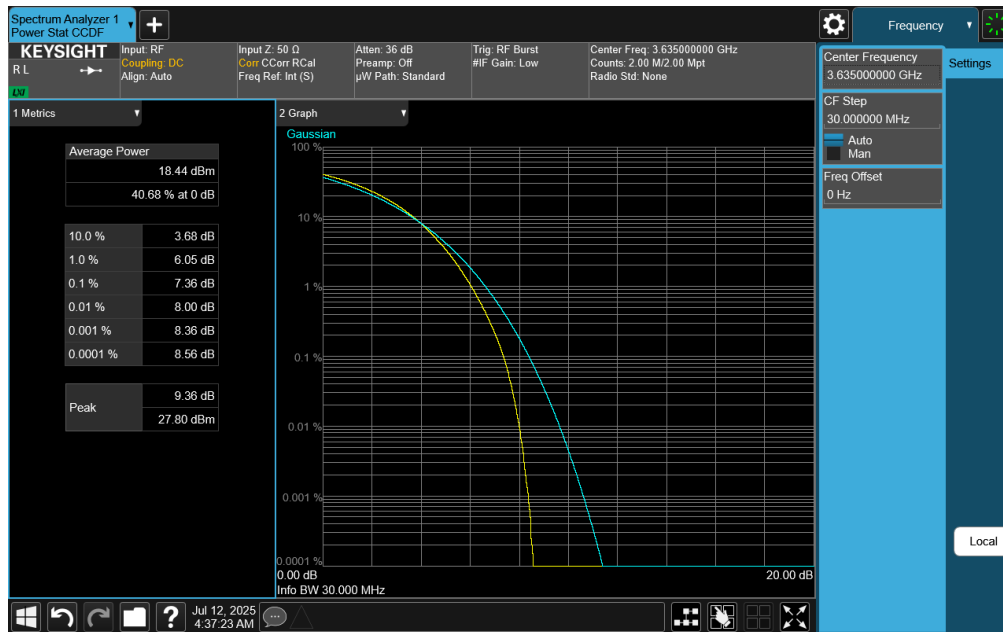


Plot 7-142. PAR Plot (ULCA LTE Band 48 - 20+10MHz 16-QAM – Full RB)

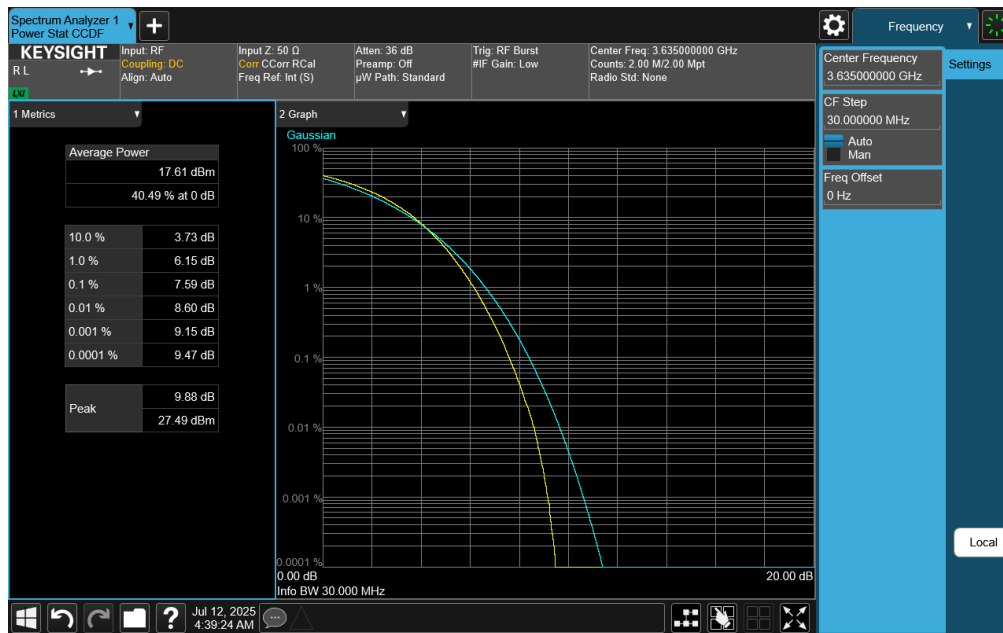
FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-13.BCG	Test Dates: 5/9/2025-8/7/2025	EUT Type: Tablet Device
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Plot 7-143. PAR Plot (ULCA LTE Band 48 - 20+10MHz 64-QAM – Full RB)

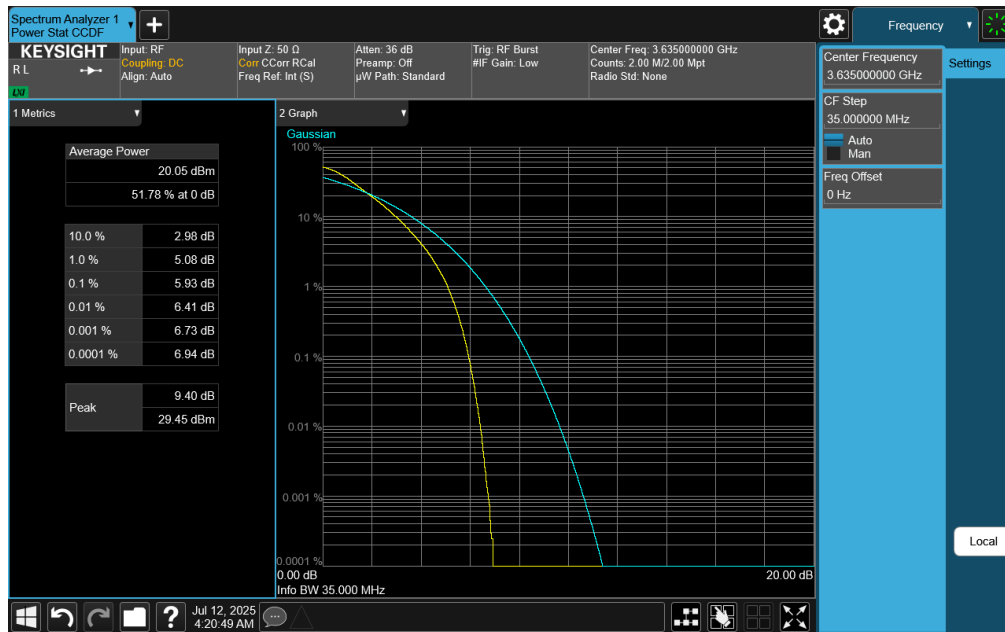


Plot 7-144. PAR Plot (ULCA LTE Band 48 - 20+10MHz 256-QAM – Full RB)

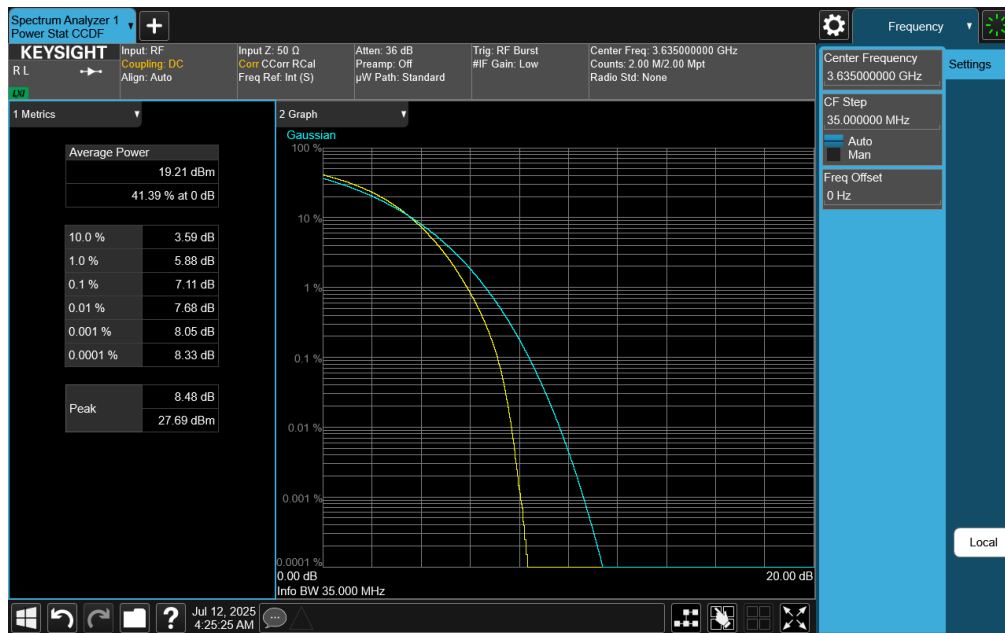
FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-13.BCG	Test Dates: 5/9/2025-8/7/2025	EUT Type: Tablet Device
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Plot 7-145. PAR Plot (ULCA LTE Band 48 - 20+15MHz QPSK – Full RB)

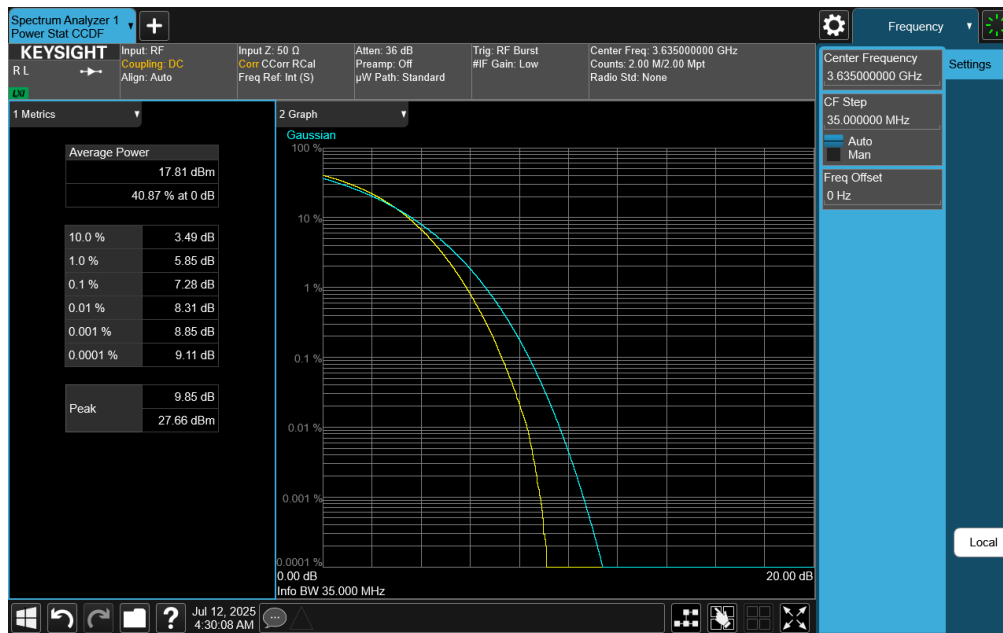
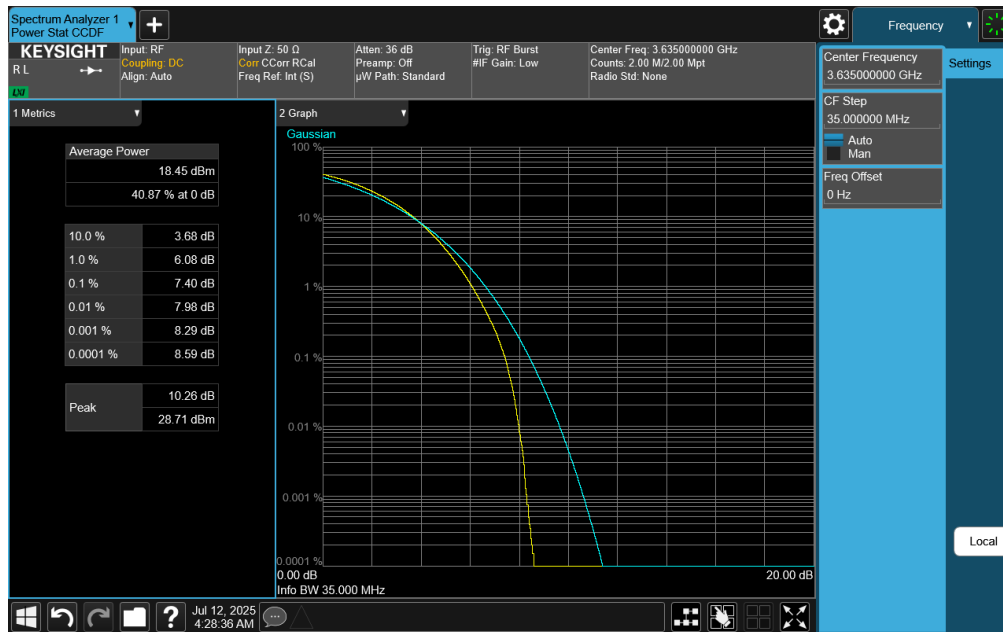


Plot 7-146. PAR Plot (ULCA LTE Band 48 - 20+15MHz 16-QAM – Full RB)

FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-13.BCG	Test Dates: 5/9/2025-8/7/2025	EUT Type: Tablet Device
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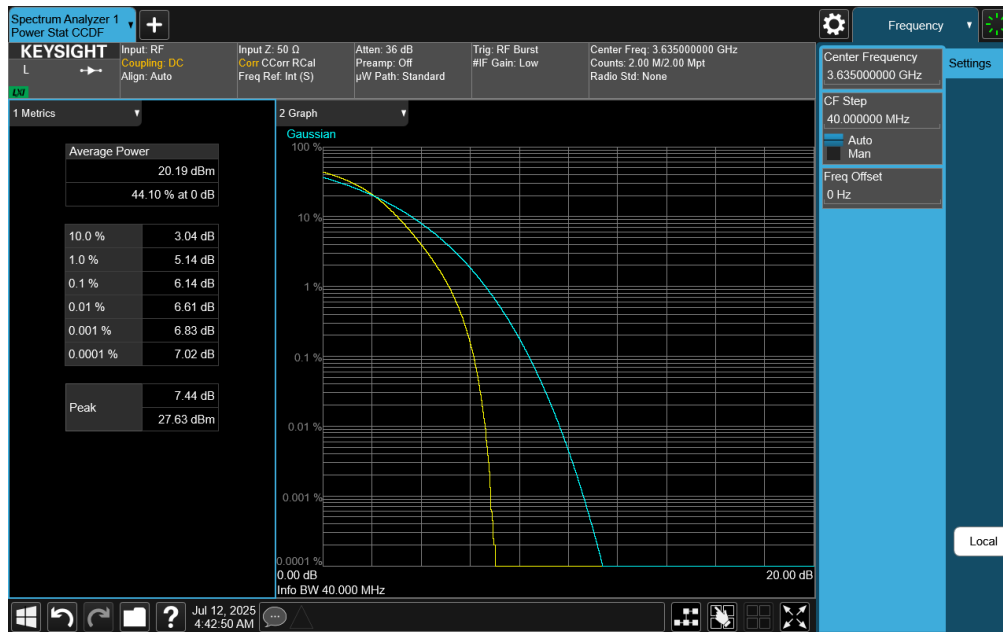
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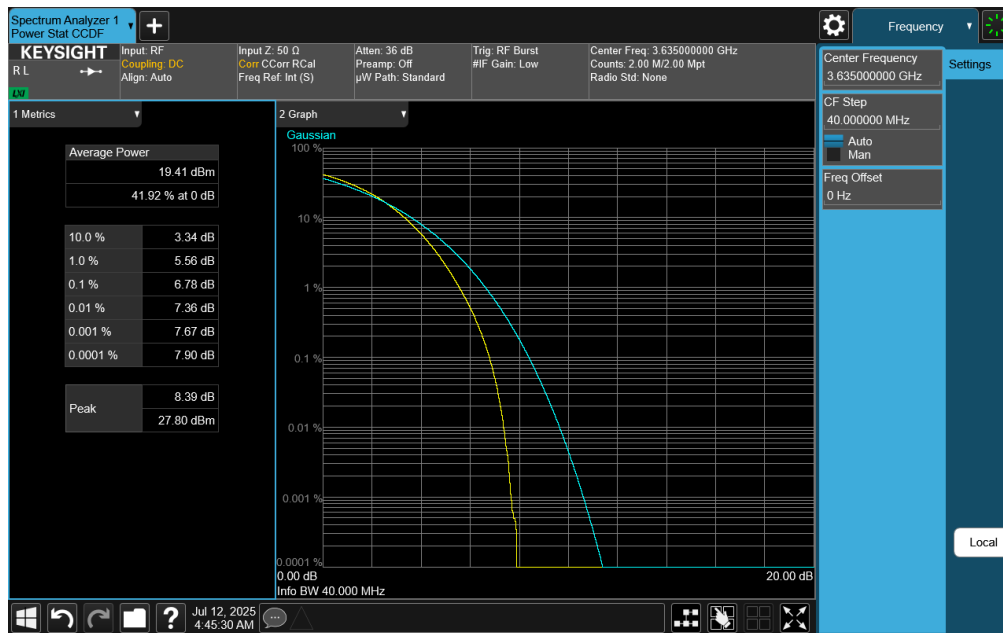
FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-13.BCG	Test Dates: 5/9/2025-8/7/2025	EUT Type: Tablet Device
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Plot 7-149. PAR Plot (ULCA LTE Band 48 - 20+20MHz QPSK – Full RB)

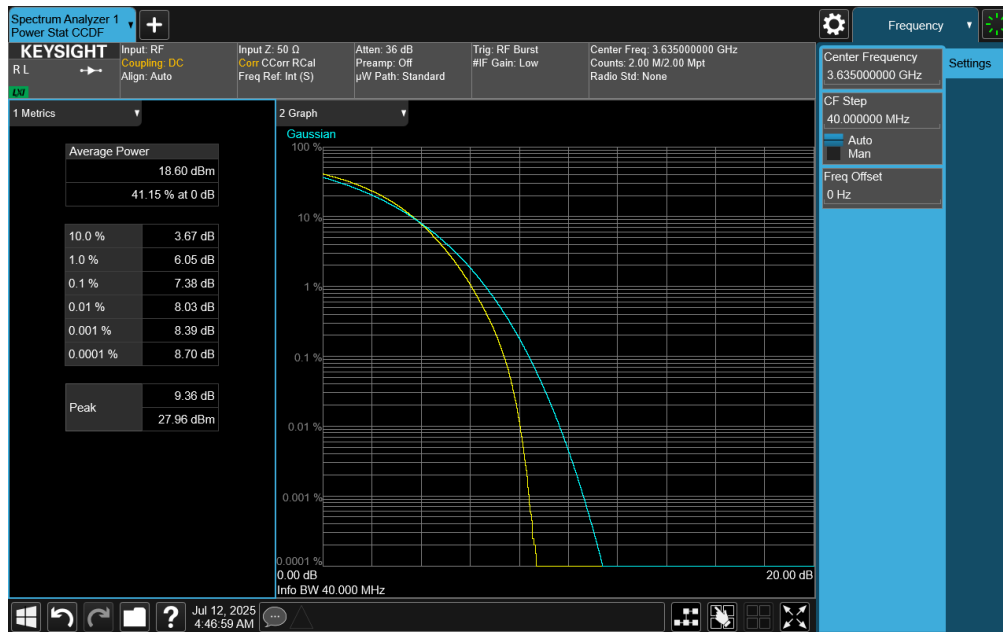


Plot 7-150. PAR Plot (ULCA LTE Band 48 - 20+20MHz 16-QAM – Full RB)

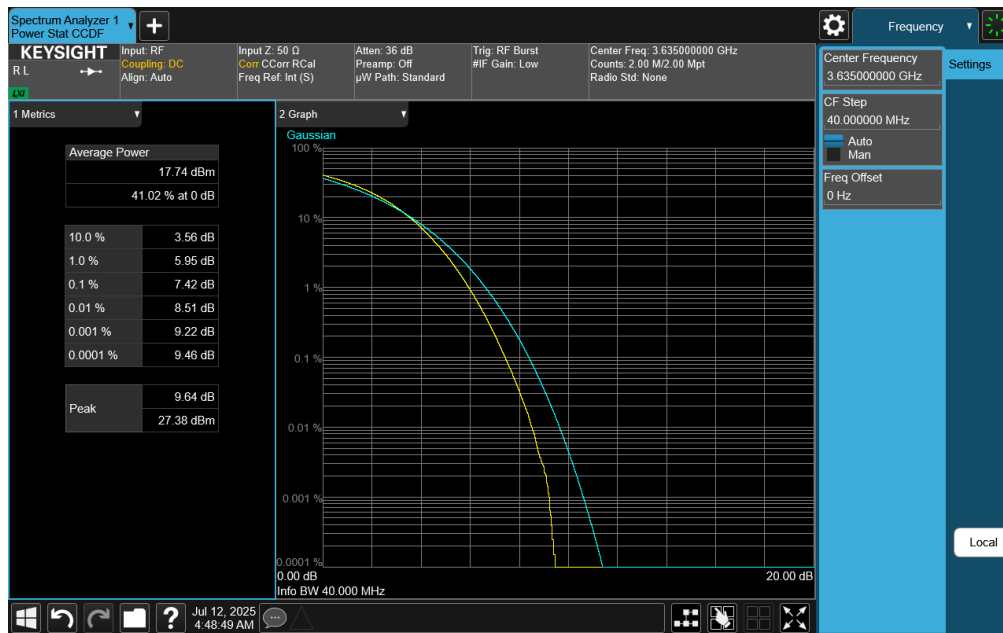
FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-13.BCG	Test Dates: 5/9/2025-8/7/2025	EUT Type: Tablet Device
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Plot 7-151. PAR Plot (ULCA LTE Band 48 - 20+20MHz 64-QAM – Full RB)



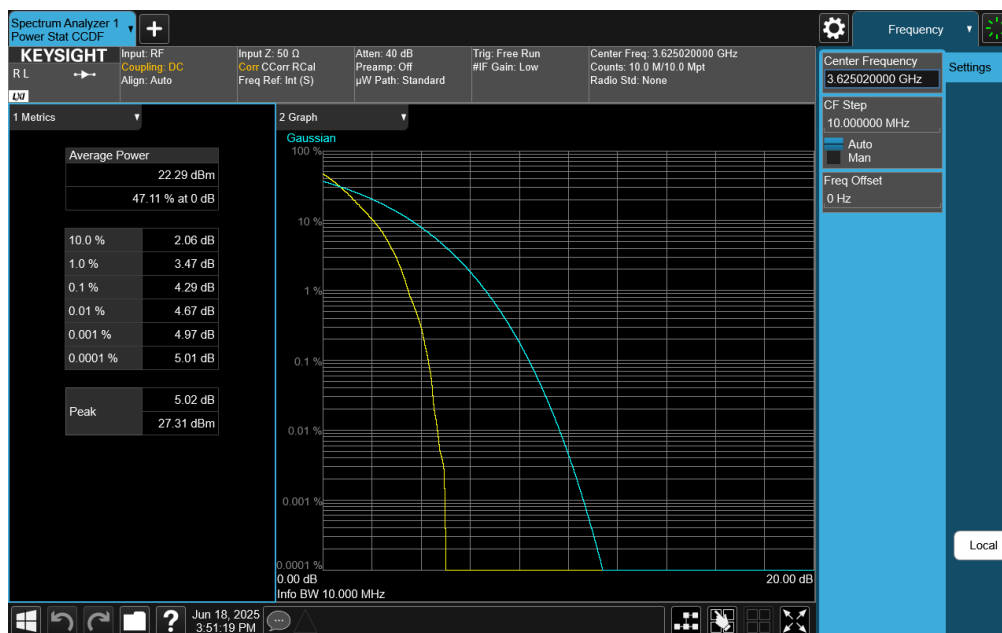
Plot 7-152. PAR Plot (ULCA LTE Band 48 - 20+20MHz 256-QAM – Full RB)

FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-13.BCG	Test Dates: 5/9/2025-8/7/2025	EUT Type: Tablet Device
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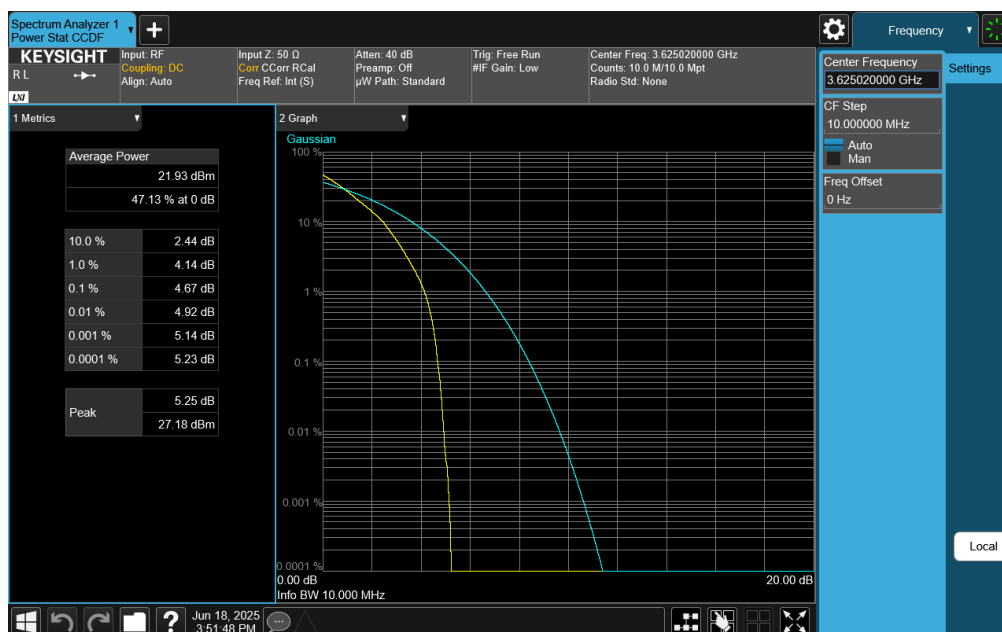
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NR Band n48



Plot 7-153. PAR Plot (NR Band n48 - 10MHz DFT-s-OFDM $\pi/2$ BPSK)

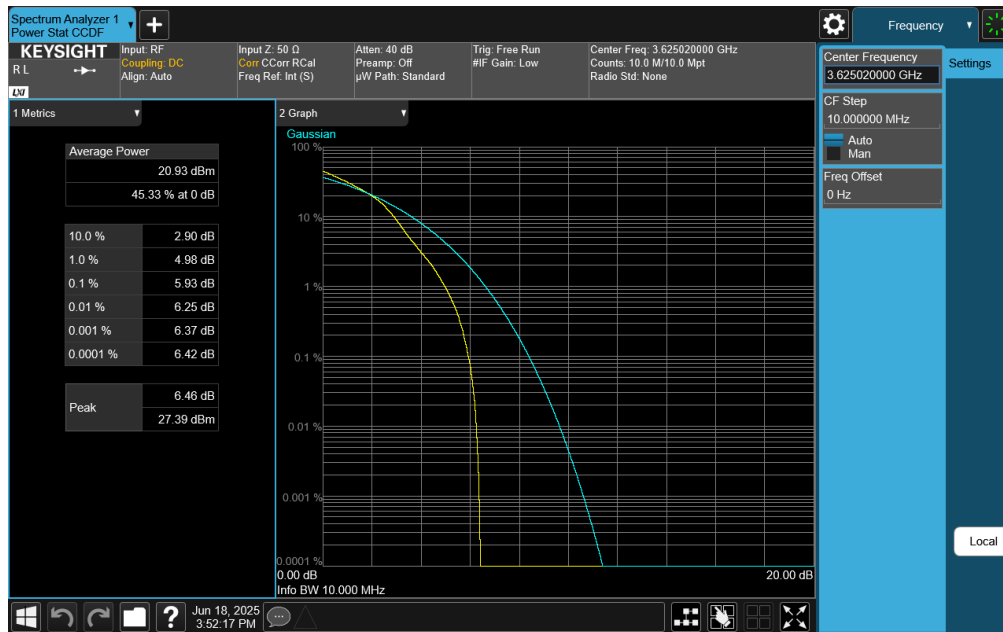


Plot 7-154. PAR Plot (NR Band n48 - 10MHz DFT-s-OFDM QPSK)

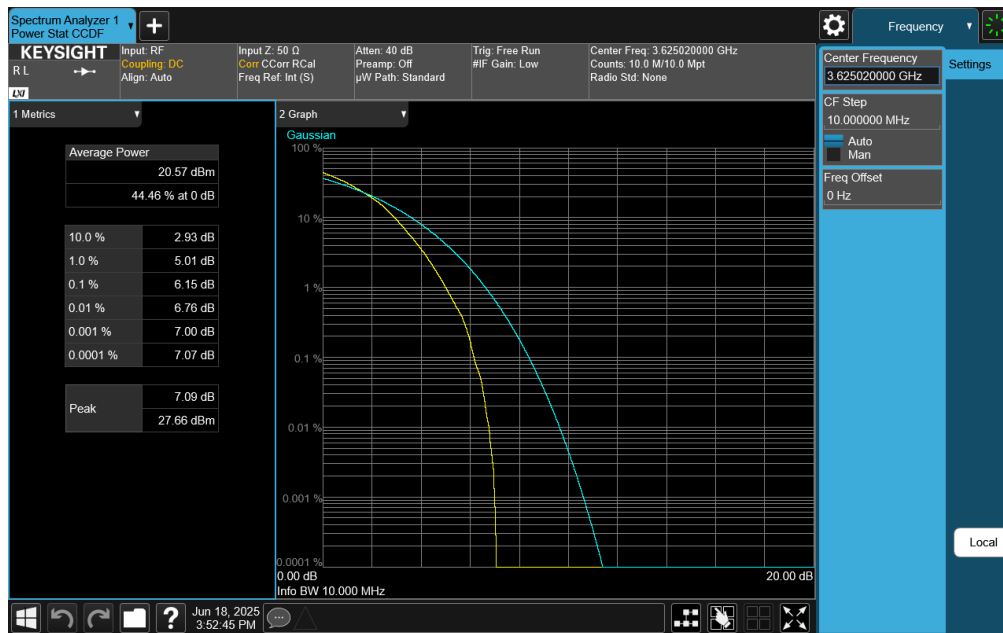
FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-13.BCG	Test Dates: 5/9/2025-8/7/2025	EUT Type: Tablet Device
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Plot 7-155. PAR Plot (NR Band n48 - 10MHz DFT-s-OFDM 16-QAM)

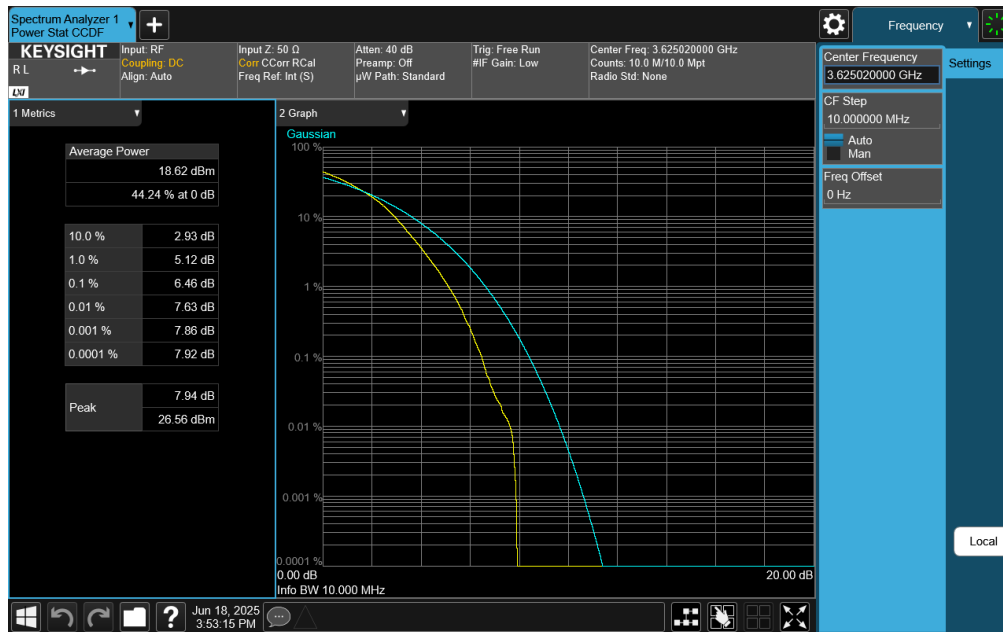


Plot 7-156. PAR Plot (NR Band n48 - 10MHz DFT-s-OFDM 64-QAM)

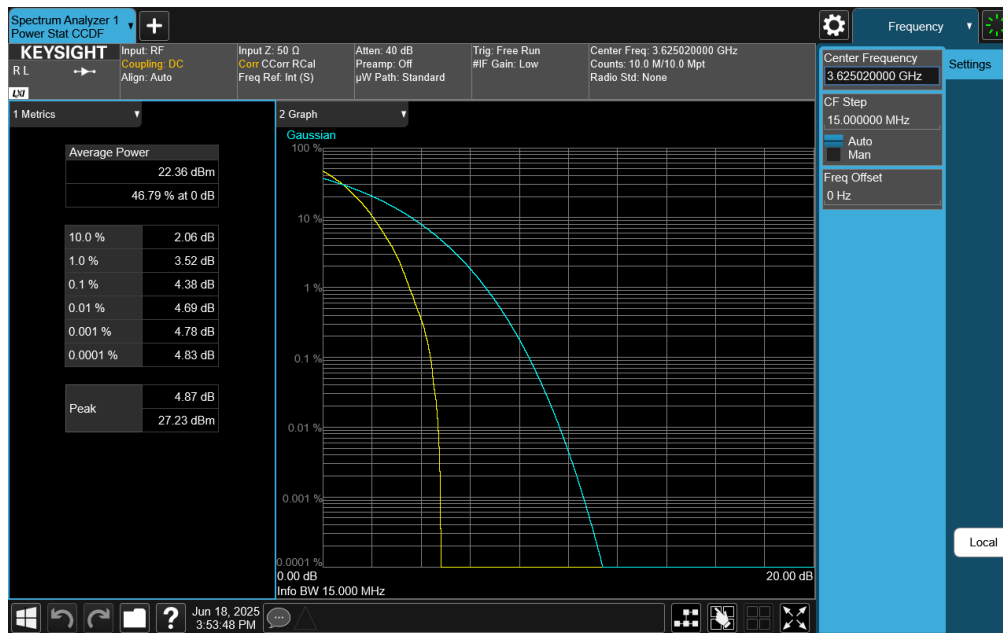
FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-13.BCG	Test Dates: 5/9/2025-8/7/2025	EUT Type: Tablet Device
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Plot 7-157. PAR Plot (NR Band n48 - 10MHz DFT-s-OFDM 256-QAM)

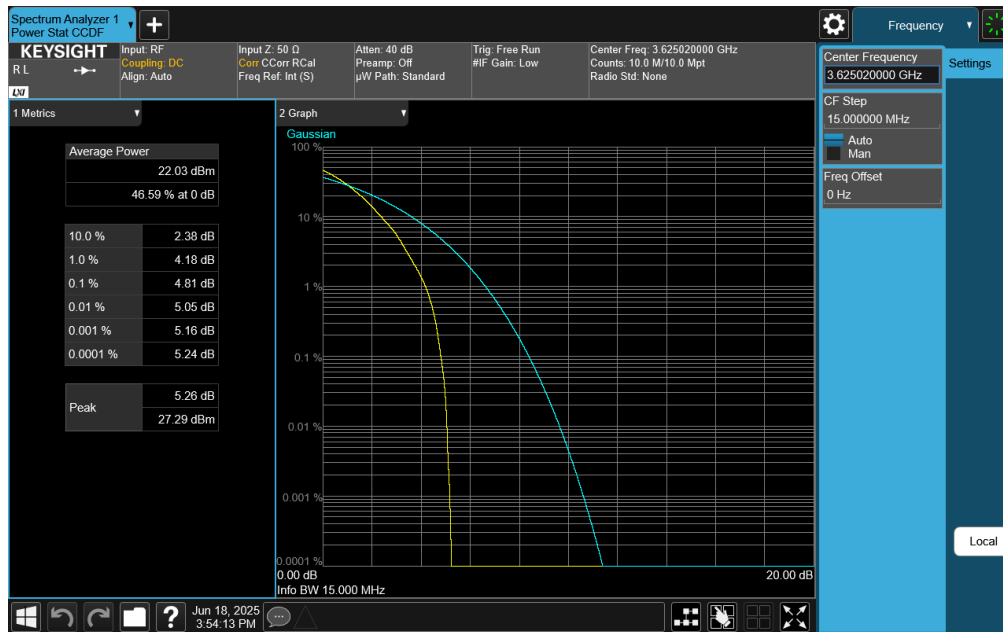


Plot 7-158. PAR Plot (NR Band n48 - 15MHz DFT-s-OFDM $\pi/2$ BPSK)

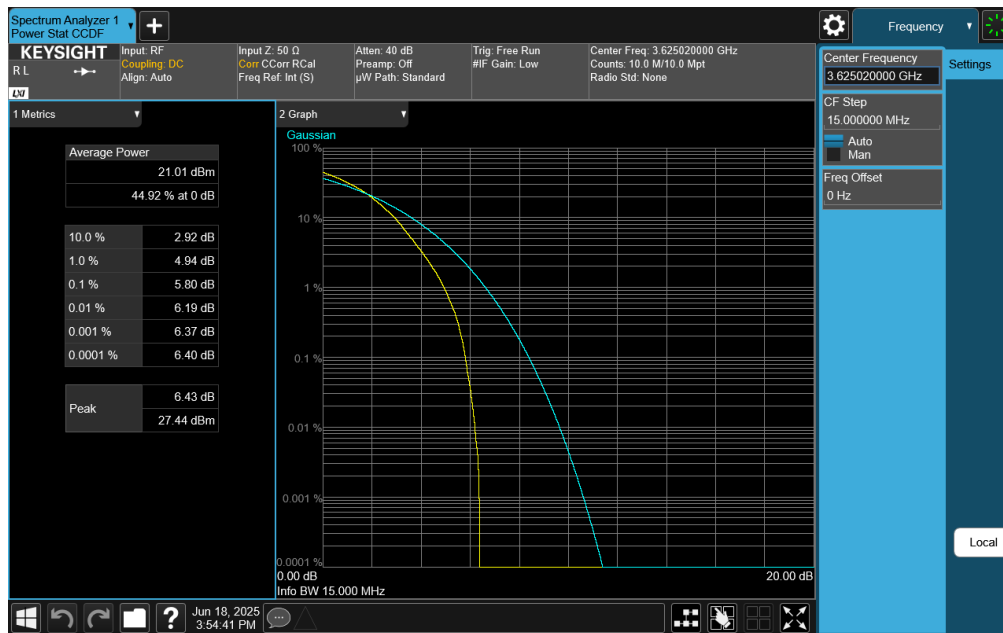
FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-13.BCG	Test Dates: 5/9/2025-8/7/2025	EUT Type: Tablet Device
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Plot 7-159. PAR Plot (NR Band n48 - 15MHz DFT-s-OFDM QPSK)

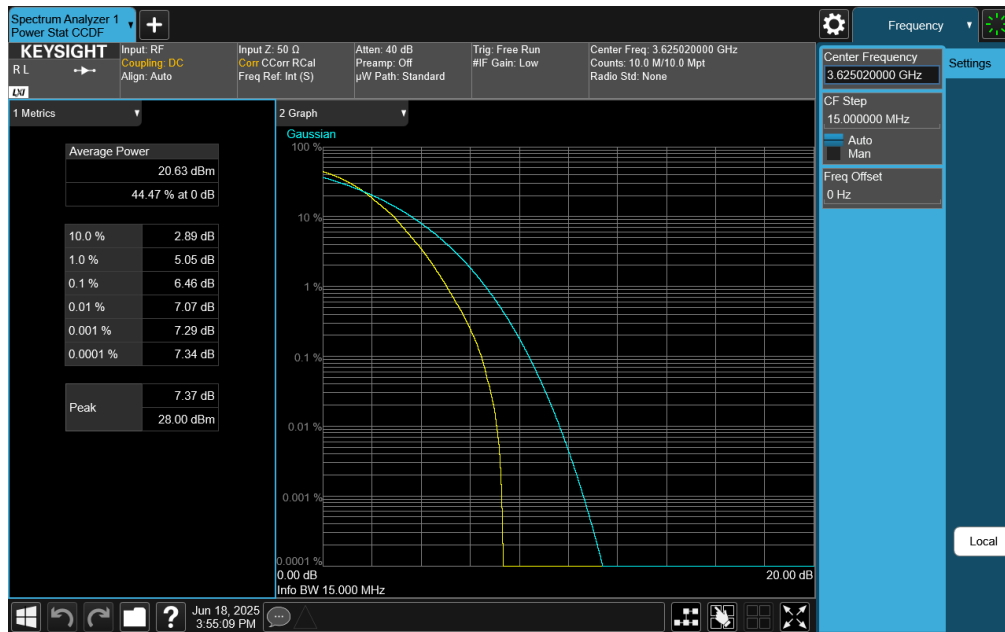


Plot 7-160. PAR Plot (NR Band n48 - 15MHz DFT-s-OFDM 16-QAM)

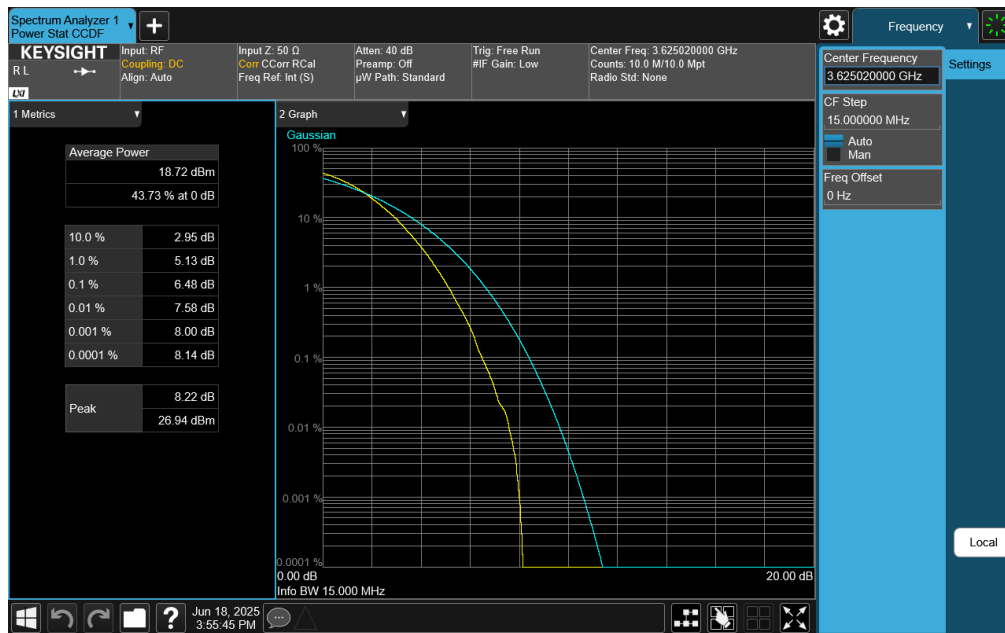
FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-13.BCG	Test Dates: 5/9/2025-8/7/2025	EUT Type: Tablet Device
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Plot 7-161. PAR Plot (NR Band n48 - 15MHz DFT-s-OFDM 64-QAM)

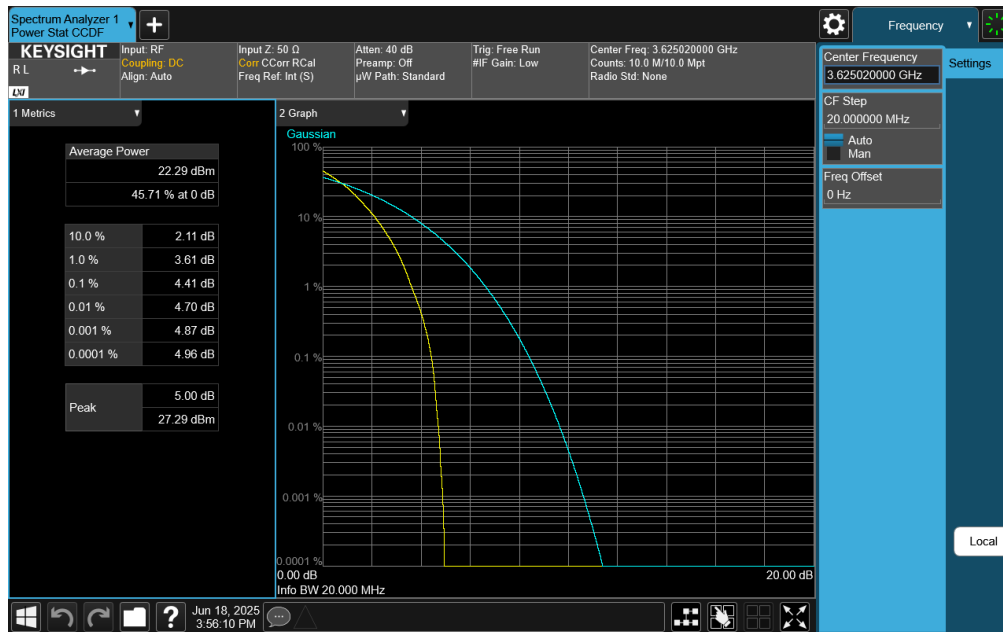


Plot 7-162. PAR Plot (NR Band n48 - 15MHz DFT-s-OFDM 256-QAM)

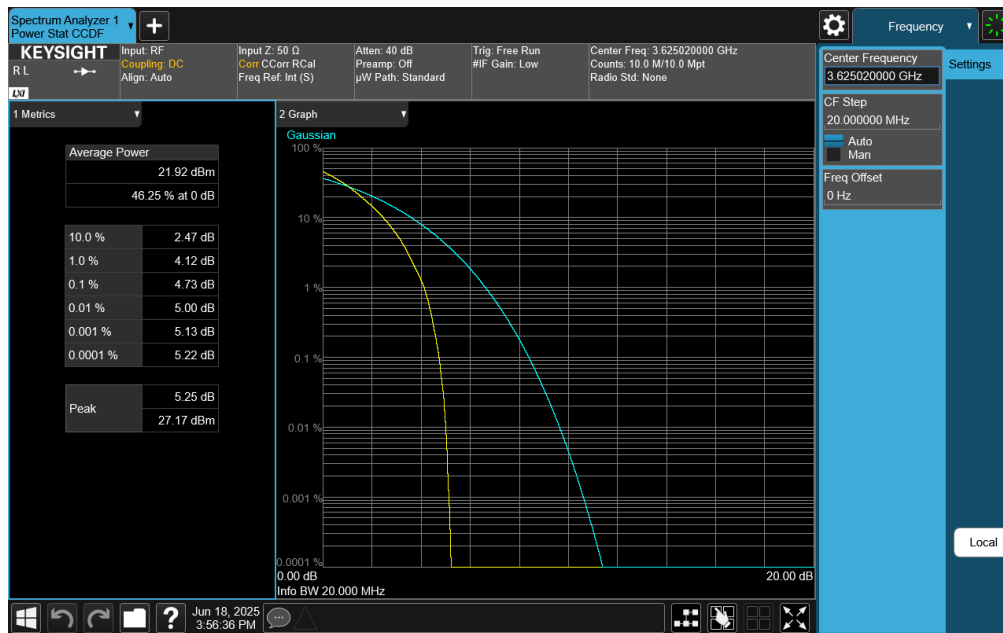
FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-13.BCG	Test Dates: 5/9/2025-8/7/2025	EUT Type: Tablet Device
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Plot 7-163. PAR Plot (NR Band n48 - 20MHz DFT-s-OFDM $\pi/2$ BPSK)

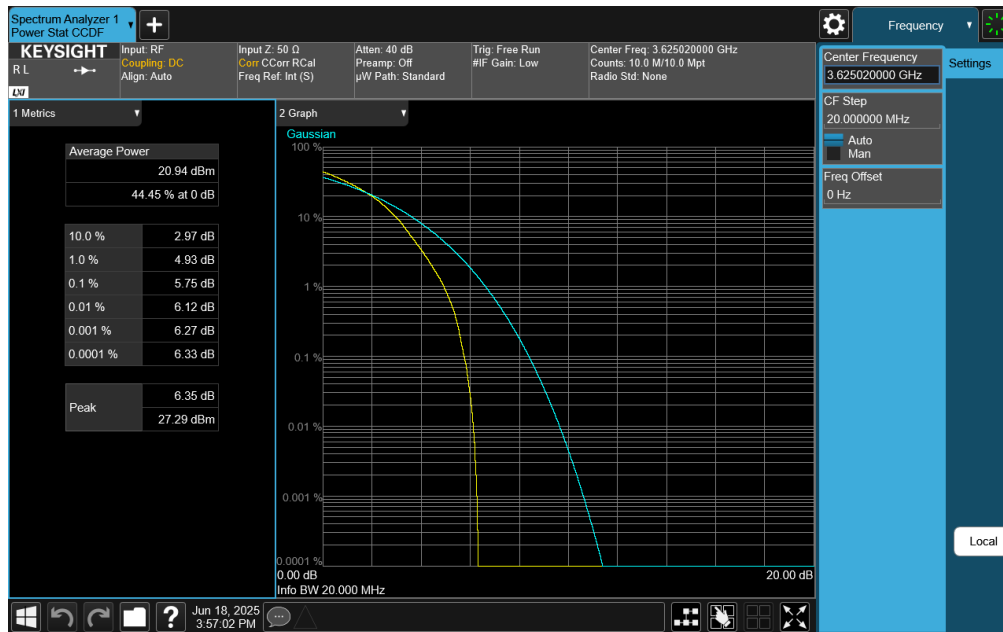


Plot 7-164. PAR Plot (NR Band n48 - 20MHz DFT-s-OFDM QPSK)

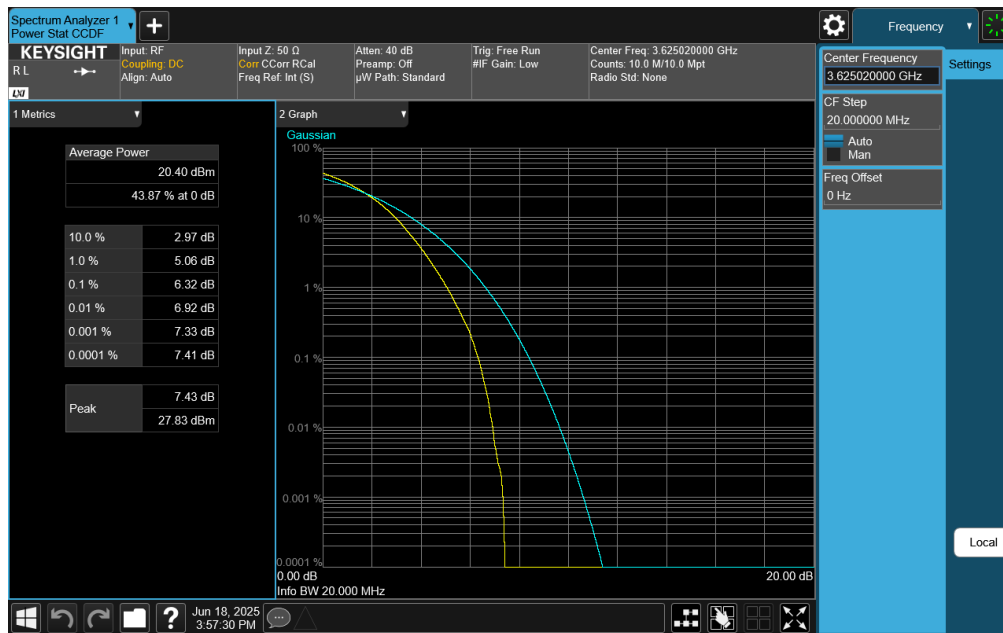
FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-165. PAR Plot (NR Band n48 - 20MHz DFT-s-OFDM 16-QAM)

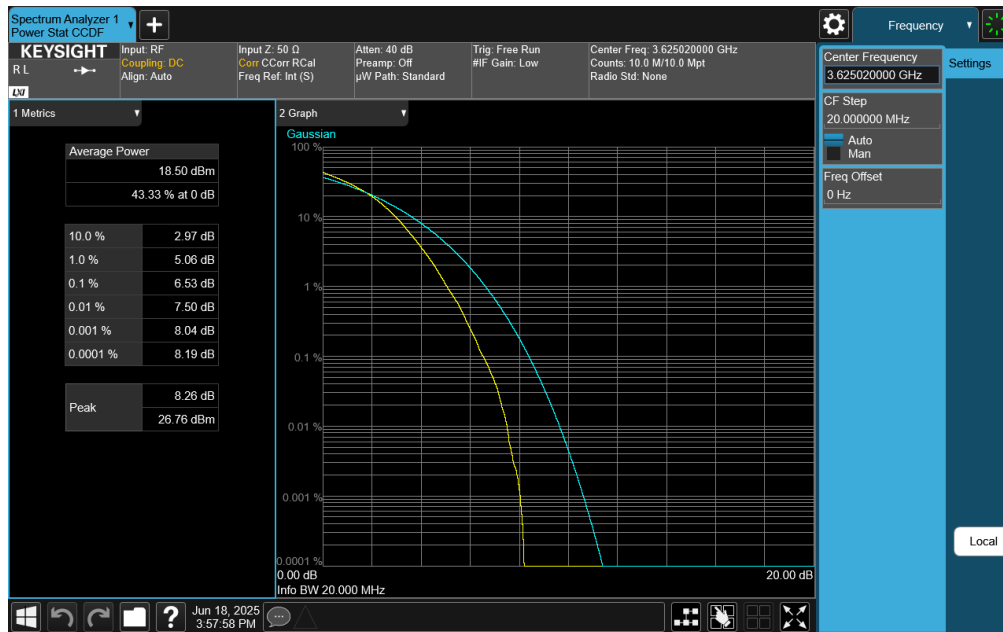


Plot 7-166. PAR Plot (NR Band n48 - 20MHz DFT-s-OFDM 64-QAM)

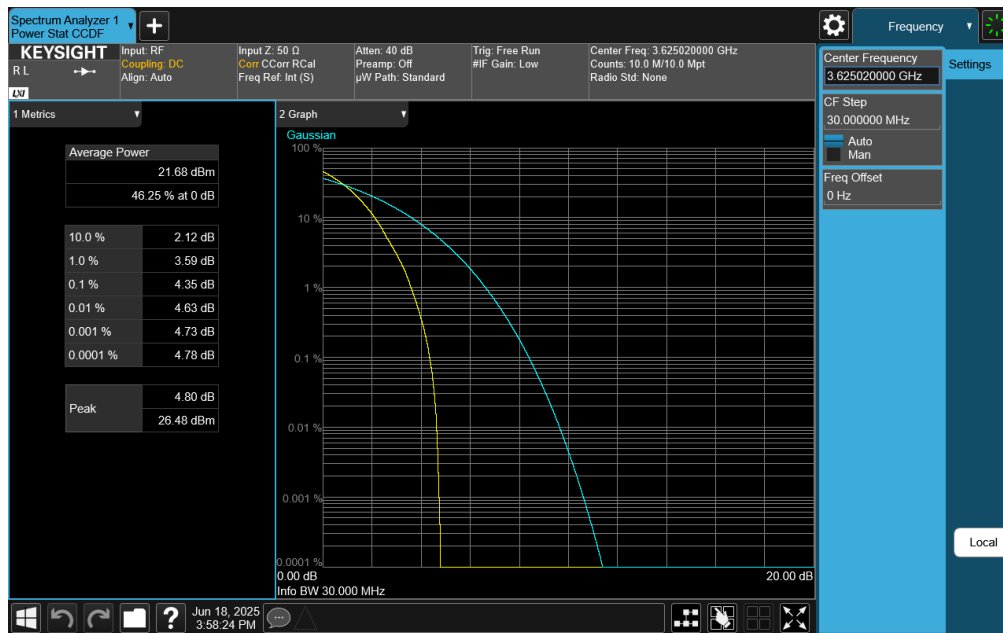
FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-167. PAR Plot (NR Band n48 - 20MHz DFT-s-OFDM 256-QAM)

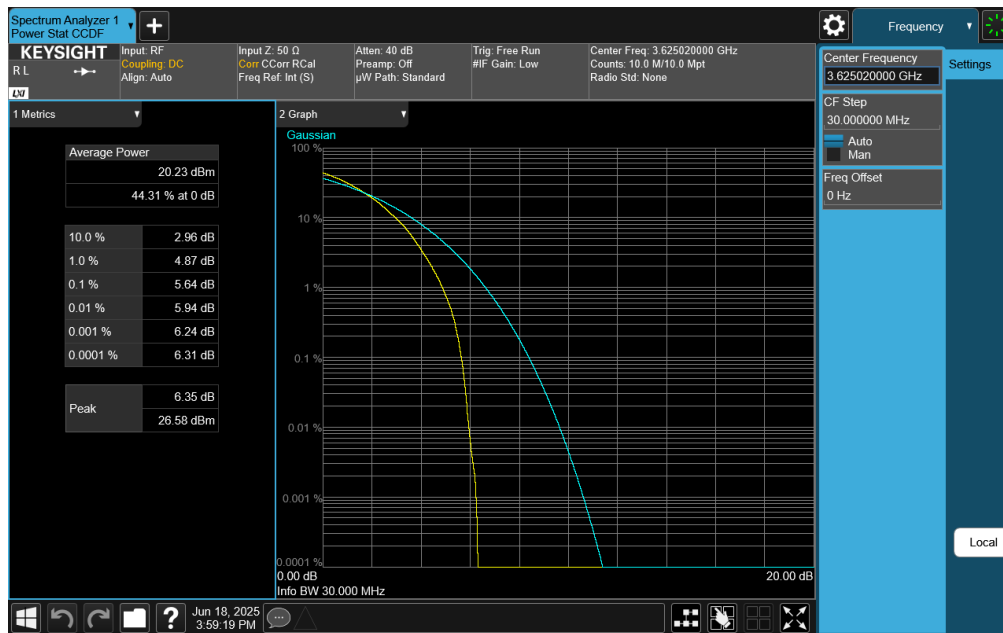
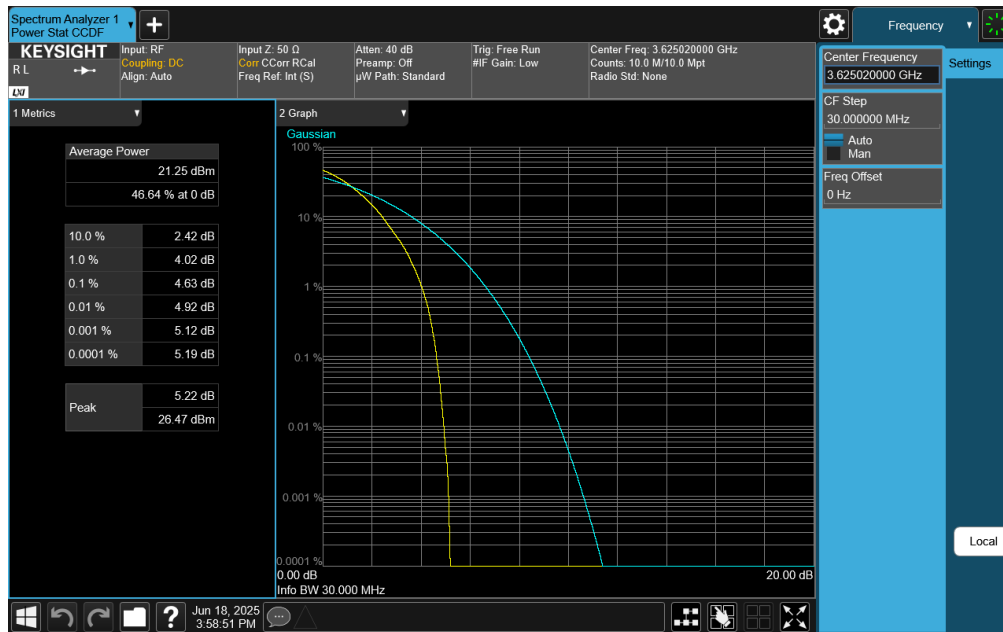


Plot 7-168. PAR Plot (NR Band n48 - 30MHz DFT-s-OFDM $\pi/2$ BPSK)

FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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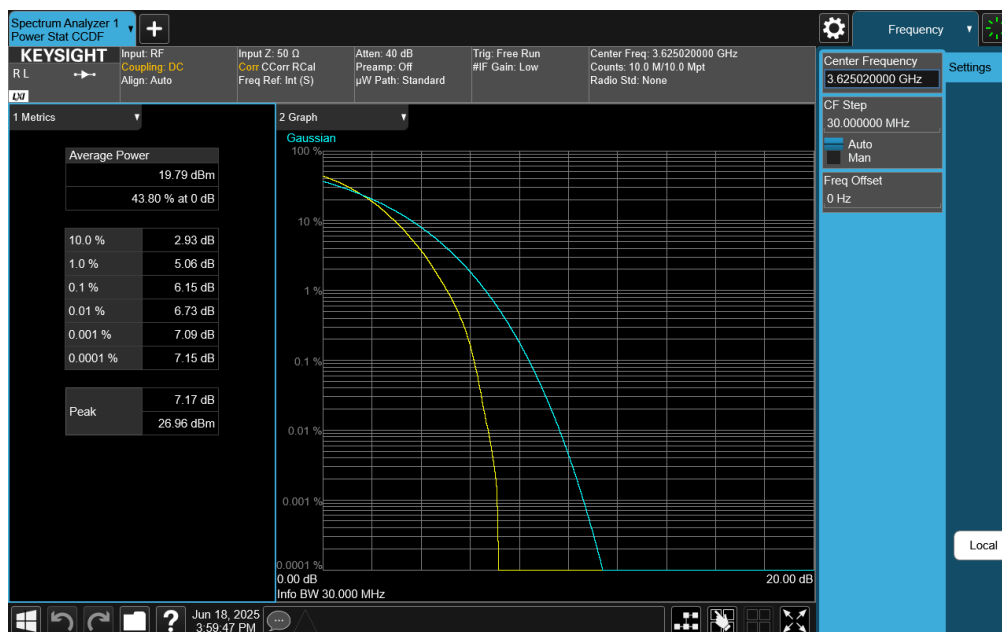
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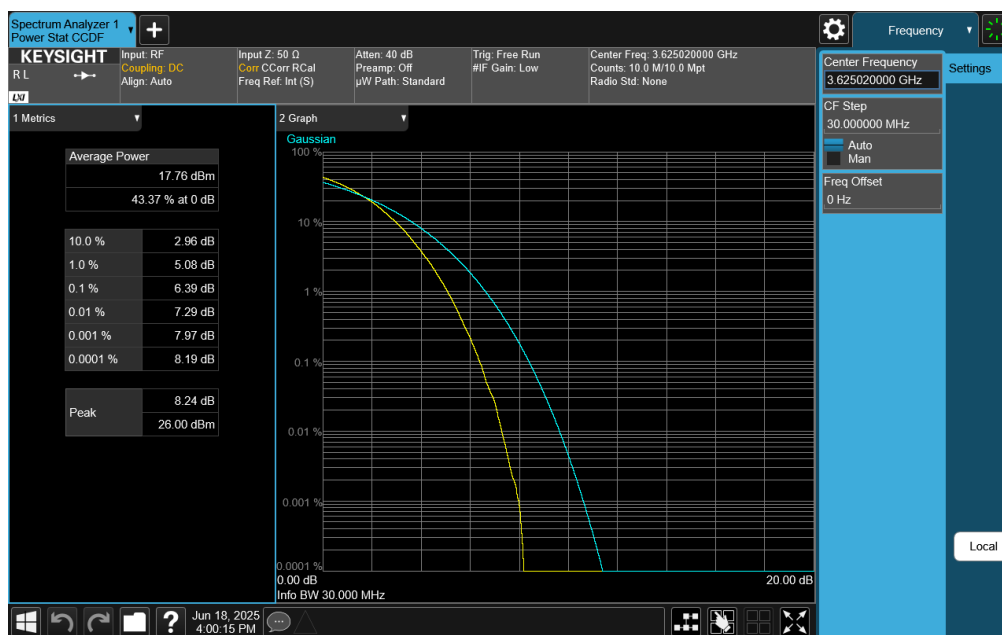
FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-171. PAR Plot (NR Band n48 - 30MHz DFT-s-OFDM 64-QAM)

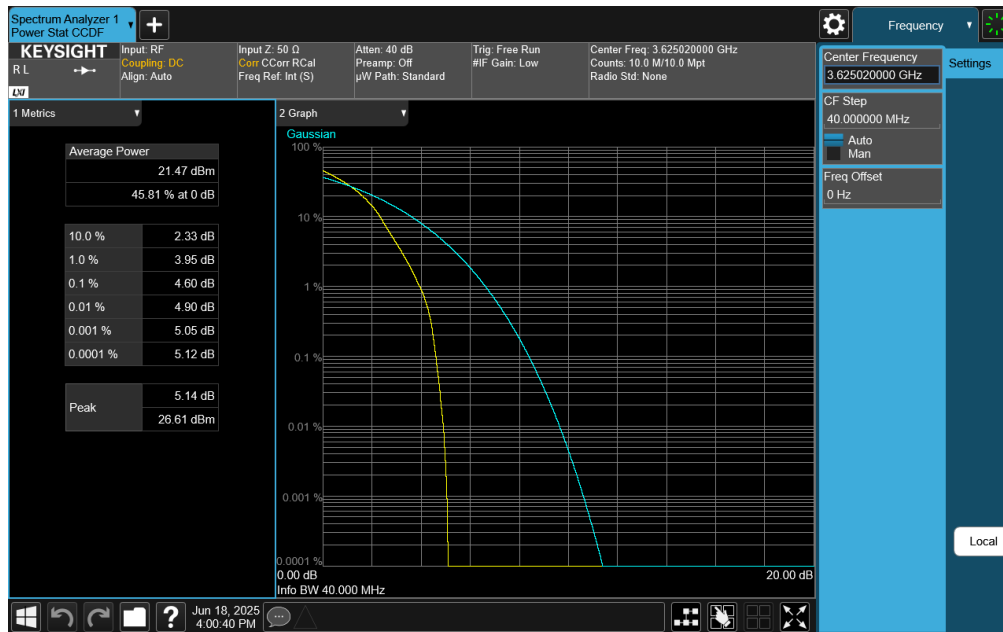


Plot 7-172. PAR Plot (NR Band n48 - 30MHz DFT-s-OFDM 256-QAM)

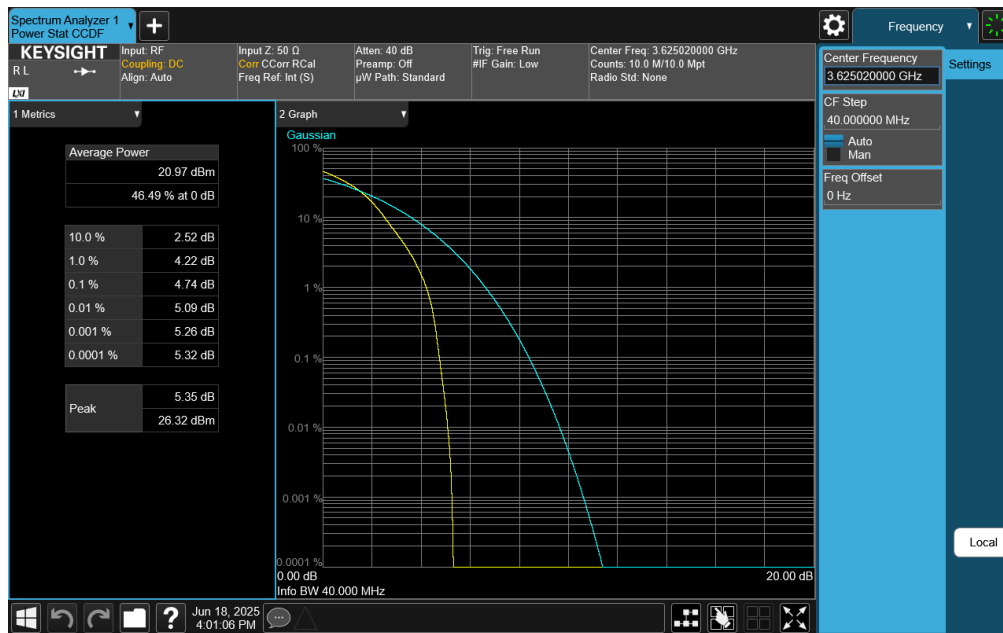
FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-13.BCG	Test Dates: 5/9/2025-8/7/2025	EUT Type: Tablet Device
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Plot 7-173. PAR Plot (NR Band n48 - 40MHz DFT-s-OFDM $\pi/2$ BPSK)

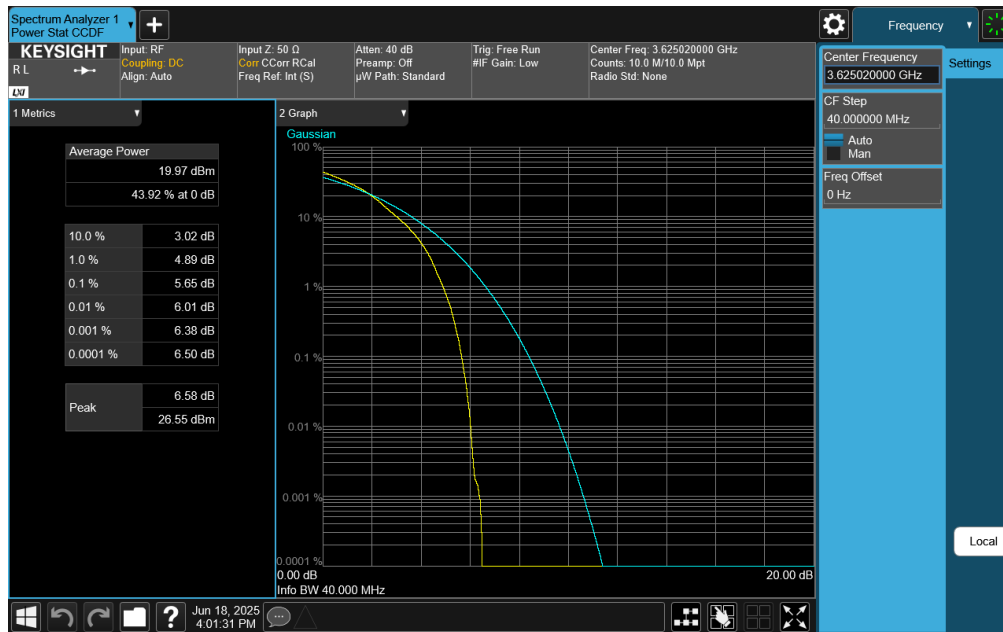


Plot 7-174. PAR Plot (NR Band n48 - 40MHz DFT-s-OFDM QPSK)

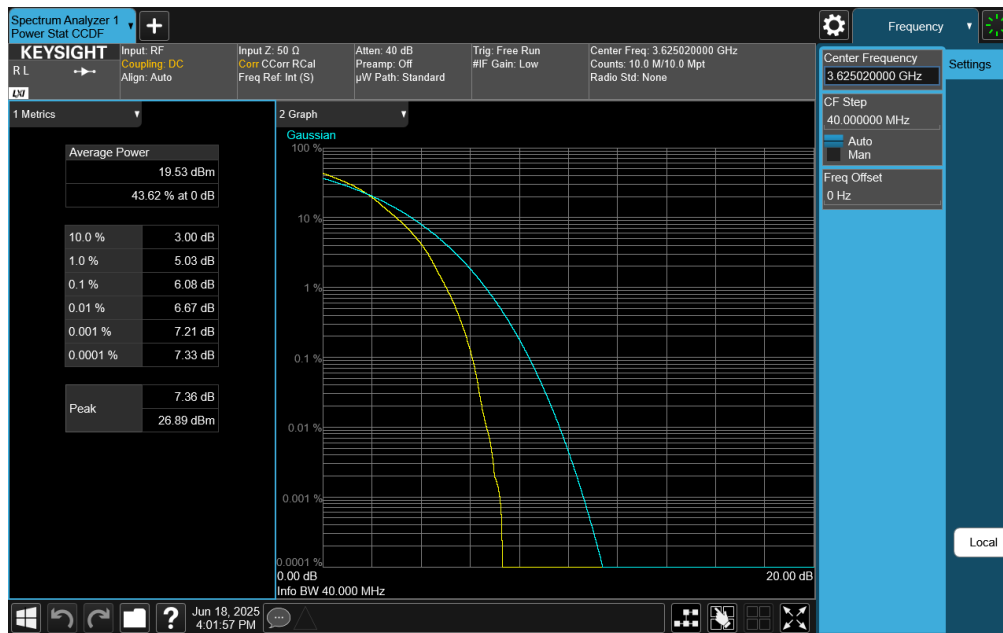
FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-175. PAR Plot (NR Band n48 - 40MHz DFT-s-OFDM 16-QAM)

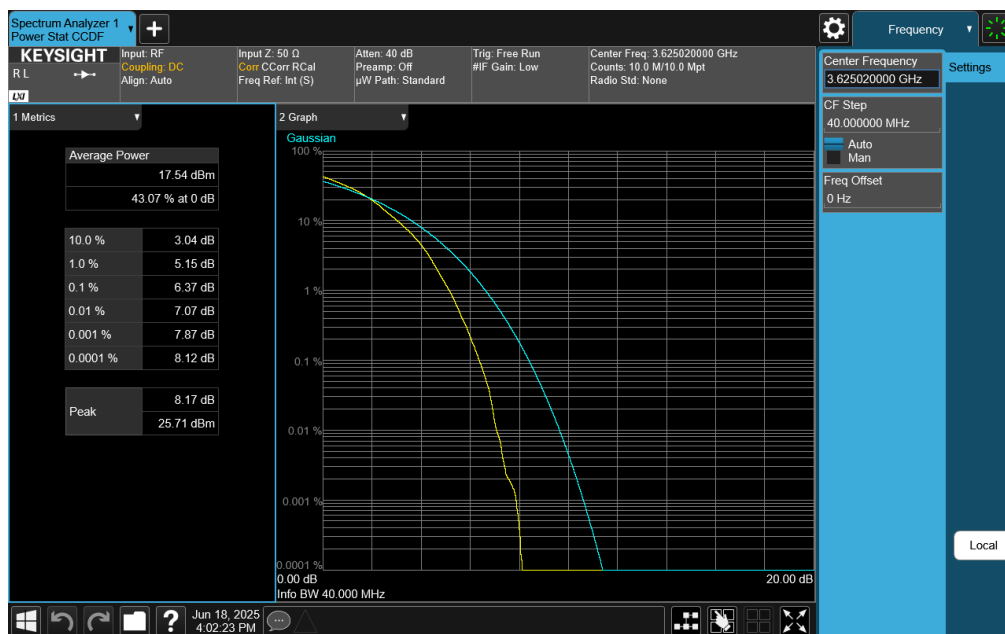


Plot 7-176. PAR Plot (NR Band n48 - 40MHz DFT-s-OFDM 64-QAM)

FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-177. PAR Plot (NR Band n48 - 40MHz DFT-s-OFDM 256-QAM)

FCC ID: BCGA3361	 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

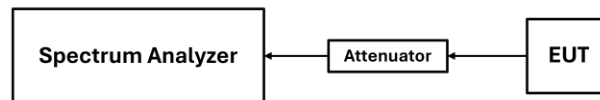


Figure 7-10. FR1 Test Instrument & Measurement Setup

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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 3 – 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	0.40	1 / 12	21.55	21.95	0.157	23.00	-1.05
		3625.0	0.40	1 / 24	21.44	21.84	0.153	23.00	-1.16
		3697.5	0.40	1 / 12	21.46	21.86	0.153	23.00	-1.14
	16-QAM	3552.5	0.40	1 / 24	21.21	21.61	0.145	23.00	-1.39
	64-QAM	3552.5	0.40	1 / 12	20.07	20.47	0.111	23.00	-2.53
	256-QAM	3625.0	0.40	1 / 0	17.03	17.43	0.055	23.00	-5.57
10 MHz	QPSK	3555.0	0.40	1 / 49	21.55	21.95	0.157	23.00	-1.05
		3625.0	0.40	1 / 49	21.52	21.92	0.156	23.00	-1.08
		3695.0	0.40	1 / 0	21.49	21.89	0.155	23.00	-1.11
	16-QAM	3555.0	0.40	1 / 0	21.08	21.48	0.141	23.00	-1.52
	64-QAM	3695.0	0.40	1 / 49	20.16	20.56	0.114	23.00	-2.44
	256-QAM	3555.0	0.40	50 / 0	17.01	17.41	0.055	23.00	-5.59
15 MHz	QPSK	3557.5	0.40	1 / 0	21.43	21.83	0.152	23.00	-1.17
		3625.0	0.40	1 / 0	21.54	21.94	0.156	23.00	-1.06
		3692.5	0.40	1 / 0	21.39	21.79	0.151	23.00	-1.21
	16-QAM	3625.0	0.40	1 / 0	21.03	21.43	0.139	23.00	-1.57
	64-QAM	3625.0	0.40	1 / 0	20.03	20.43	0.110	23.00	-2.57
	256-QAM	3625.0	0.40	75 / 0	16.92	17.32	0.054	23.00	-5.68
20 MHz	QPSK	3560.0	0.40	1 / 0	21.31	21.71	0.148	23.00	-1.29
		3625.0	0.40	1 / 0	21.61	22.01	0.159	23.00	-0.99
		3690.0	0.40	1 / 0	21.27	21.67	0.147	23.00	-1.33
	16-QAM	3690.0	0.40	1 / 0	20.91	21.31	0.135	23.00	-1.69
	64-QAM	3690.0	0.40	1 / 0	19.93	20.33	0.108	23.00	-2.67
	256-QAM	3625.0	0.40	100 / 0	16.93	17.33	0.054	23.00	-5.67

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

FCC ID: BCGA3361		PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm/10MHz]	EIRP [Watts/10MHz]	EIRP Limit [dBm/10MHz]	Margin [dB]
10 MHz	π/2 BPSK	3555.0	0.40	1 / 1	21.76	22.16	0.164	23.00	-0.84
		3625.0	0.40	24 / 0	21.64	22.04	0.160	23.00	-0.96
		3695.0	0.40	24 / 0	21.63	22.03	0.160	23.00	-0.97
	QPSK	3555.0	0.40	24 / 0	21.87	22.27	0.169	23.00	-0.73
		3625.0	0.40	24 / 0	21.69	22.09	0.162	23.00	-0.91
		3695.0	0.40	24 / 0	21.70	22.10	0.162	23.00	-0.90
	16-QAM	3555.0	0.40	24 / 0	20.97	21.37	0.137	23.00	-1.63
	64-QAM	3555.0	0.40	24 / 0	21.01	21.41	0.138	23.00	-1.59
	256-QAM	3555.0	0.40	24 / 0	19.90	20.30	0.107	23.00	-2.70
	π/2 BPSK	3557.5	0.40	36 / 0	21.79	22.19	0.166	23.00	-0.81
		3625.0	0.40	1 / 36	21.73	22.13	0.163	23.00	-0.87
		3692.5	0.40	36 / 0	21.71	22.11	0.162	23.00	-0.89
15 MHz	QPSK	3557.5	0.40	36 / 0	21.95	22.35	0.172	23.00	-0.65
		3625.0	0.40	1 / 36	21.78	22.18	0.165	23.00	-0.82
		3692.5	0.40	36 / 0	21.83	22.23	0.167	23.00	-0.77
	16-QAM	3557.5	0.40	1 / 1	21.08	21.48	0.141	23.00	-1.52
	64-QAM	3557.5	0.40	1 / 1	21.07	21.47	0.140	23.00	-1.53
	256-QAM	3625.0	0.40	36 / 0	19.82	20.22	0.105	23.00	-2.78
20 MHz	π/2 BPSK	3560.0	0.40	1 / 1	21.86	22.26	0.168	23.00	-0.74
		3625.0	0.40	50 / 0	21.71	22.11	0.163	23.00	-0.89
		3690.0	0.40	50 / 0	21.73	22.13	0.163	23.00	-0.87
	QPSK	3560.0	0.40	50 / 0	21.81	22.21	0.166	23.00	-0.79
		3625.0	0.40	50 / 0	21.72	22.12	0.163	23.00	-0.88
		3690.0	0.40	50 / 0	21.66	22.06	0.161	23.00	-0.94
	16-QAM	3560.0	0.40	1 / 1	20.94	21.34	0.136	23.00	-1.66
	64-QAM	3560.0	0.40	1 / 1	20.97	21.37	0.137	23.00	-1.63
30 MHz	π/2 BPSK	3565.0	0.40	1 / 1	21.79	22.19	0.166	23.00	-0.81
		3625.0	0.40	75 / 0	21.63	22.03	0.160	23.00	-0.97
		3685.0	0.40	1 / 1	21.62	22.02	0.159	23.00	-0.98
	QPSK	3565.0	0.40	1 / 1	21.85	22.25	0.168	23.00	-0.75
		3625.0	0.40	75 / 0	21.72	22.12	0.163	23.00	-0.88
		3685.0	0.40	1 / 1	21.73	22.13	0.163	23.00	-0.87
	16-QAM	3565.0	0.40	1 / 1	21.04	21.44	0.139	23.00	-1.56
	64-QAM	3565.0	0.40	75 / 0	20.84	21.24	0.133	23.00	-1.76
40 MHz	π/2 BPSK	3570.0	0.40	1 / 1	21.88	22.28	0.169	23.00	-0.72
		3625.0	0.40	100 / 0	21.71	22.11	0.163	23.00	-0.89
		3680.0	0.40	1 / 1	21.77	22.17	0.165	23.00	-0.83
	QPSK	3570.0	0.40	1 / 1	21.84	22.24	0.168	23.00	-0.76
		3625.0	0.40	100 / 0	21.73	22.13	0.163	23.00	-0.87
		3680.0	0.40	100 / 0	21.76	22.16	0.165	23.00	-0.84
	16-QAM	3570.0	0.40	100 / 0	20.97	21.37	0.137	23.00	-1.63
	64-QAM	3570.0	0.40	100 / 0	20.88	21.28	0.134	23.00	-1.72
	256-QAM	3570.0	0.40	100 / 0	19.86	20.26	0.106	23.00	-2.74

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

FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT		Approved by: Technical Manager
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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	20.619	0.40	21.02	0.126	23.00	-1.98		
				55990	3625.0	1	99		56107	3636.7	1	0	21.993	0.40	22.39	0.174	23.00	-0.61		
				56640	3690.0	1	0		56233	3678.3	1	24	20.259	0.40	20.66	0.116	23.00	-2.34		
			QPSK	55990	3625	100	0	QPSK	56107	3636.7	100	0	21.495	0.40	21.90	0.155	23.00	-1.11		
				16-QAM	55990	3625	100		0	16-QAM	56107	3636.7	100	0	21.243	0.40	21.64	0.146	23.00	-1.36
				64-QAM	55990	3625	100		0	64-QAM	56107	3636.7	100	0	21.017	0.40	21.42	0.139	23.00	-1.58
			256-QAM	55990	3625	100	0	256-QAM	56107	3636.7	100	0	20.749	0.40	21.15	0.130	23.00	-1.85		
Max	LTE B48	20MHz + 10MHz	QPSK	55340	3560.0	1	99	QPSK	55484	3574.4	1	0	19.616	0.40	20.02	0.100	23.00	-2.98		
				55990	3625.0	1	99		56134	3639.4	1	0	21.988	0.40	22.39	0.173	23.00	-0.61		
				56640	3690.0	1	0		56496	3675.6	1	49	19.683	0.40	20.08	0.102	23.00	-2.92		
			QPSK	55990	3625	100	0	QPSK	56134	3639.4	100	0	20.971	0.40	21.37	0.137	23.00	-1.63		
				16-QAM	55990	3625	100		0	16-QAM	56134	3639.4	100	0	20.674	0.40	21.07	0.128	23.00	-1.93
				64-QAM	55990	3625	100		0	64-QAM	56134	3639.4	100	0	20.386	0.40	20.79	0.120	23.00	-2.21
			256-QAM	55990	3625	100	0	256-QAM	56134	3639.4	100	0	20.164	0.40	20.56	0.114	23.00	-2.44		
Max	LTE B48	20MHz + 15MHz	QPSK	55340	3560.0	1	99	QPSK	55511	3577.1	1	0	19.676	0.40	20.08	0.102	23.00	-2.92		
				55990	3625.0	1	99		56161	3642.1	1	0	22.071	0.40	22.47	0.177	23.00	-0.53		
				56640	3690.0	1	0		56469	3672.9	1	74	19.691	0.40	20.09	0.102	23.00	-2.91		
			QPSK	55990	3625	100	0	QPSK	56161	3642.1	100	0	21.02	0.40	21.42	0.139	23.00	-1.58		
				16-QAM	55990	3625	100		0	16-QAM	56161	3642.1	100	0	20.792	0.40	21.19	0.132	23.00	-1.81
				64-QAM	55990	3625	100		0	64-QAM	56161	3642.1	100	0	20.544	0.40	20.94	0.124	23.00	-2.06
			256-QAM	55990	3625	100	0	256-QAM	56161	3642.1	100	0	20.315	0.40	20.72	0.118	23.00	-2.29		
Max	LTE B48	20MHz + 20MHz	QPSK	55340	3560.0	1	99	QPSK	55538	3579.8	1	0	21.188	0.40	21.59	0.144	23.00	-1.41		
				55990	3625.0	1	99		56188	3644.8	1	0	21.99	0.40	22.39	0.173	23.00	-0.61		
				56640	3690.0	1	0		56442	3670.2	1	99	19.695	0.40	20.10	0.102	23.00	-2.91		
			QPSK	55990	3625	100	0	QPSK	56188	3644.8	100	0	20.974	0.40	21.37	0.137	23.00	-1.63		
				16-QAM	55990	3625	100		0	16-QAM	56188	3644.8	100	0	20.728	0.40	21.13	0.130	23.00	-1.87
				64-QAM	55990	3625	100		0	64-QAM	56188	3644.8	100	0	20.489	0.40	20.89	0.123	23.00	-2.11
			256-QAM	55990	3625	100	0	256-QAM	56188	3644.8	100	0	20.197	0.40	20.60	0.115	23.00	-2.40		

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

FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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7.6.2 Antenna 1 – 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	1.60	1 / 24	20.29	21.89	0.155	23.00	-1.11
		3625.0	1.60	1 / 12	20.22	21.82	0.152	23.00	-1.18
		3697.5	1.60	1 / 12	20.24	21.84	0.153	23.00	-1.16
	16-QAM	3552.5	1.60	1 / 0	19.96	21.56	0.143	23.00	-1.44
	64-QAM	3552.5	1.60	1 / 24	19.01	20.61	0.115	23.00	-2.39
	256-QAM	3697.5	1.60	1 / 12	15.87	17.47	0.056	23.00	-5.53
10 MHz	QPSK	3555.0	1.60	1 / 49	20.32	21.92	0.156	23.00	-1.08
		3625.0	1.60	1 / 49	20.40	22.00	0.159	23.00	-1.00
		3695.0	1.60	1 / 0	20.26	21.86	0.153	23.00	-1.14
	16-QAM	3625.0	1.60	1 / 49	19.88	21.48	0.141	23.00	-1.52
	64-QAM	3695.0	1.60	1 / 25	18.91	20.51	0.112	23.00	-2.49
	256-QAM	3625.0	1.60	50 / 0	15.86	17.46	0.056	23.00	-5.54
15 MHz	QPSK	3557.5	1.60	1 / 0	20.15	21.75	0.150	23.00	-1.25
		3625.0	1.60	1 / 0	20.26	21.86	0.153	23.00	-1.14
		3692.5	1.60	1 / 0	20.09	21.69	0.148	23.00	-1.31
	16-QAM	3625.0	1.60	1 / 74	19.78	21.38	0.137	23.00	-1.62
	64-QAM	3692.5	1.60	1 / 0	18.71	20.31	0.107	23.00	-2.69
	256-QAM	3625.0	1.60	75 / 0	15.69	17.29	0.054	23.00	-5.71
3692.5		1.60	1 / 0	15.69	17.29	0.054	23.00	-5.71	
20 MHz	QPSK	3560.0	1.60	1 / 0	20.02	21.62	0.145	23.00	-1.38
		3625.0	1.60	1 / 0	20.39	21.99	0.158	23.00	-1.01
		3690.0	1.60	1 / 0	20.04	21.64	0.146	23.00	-1.36
	16-QAM	3690.0	1.60	1 / 0	19.77	21.37	0.137	23.00	-1.63
	64-QAM	3625.0	1.60	1 / 0	18.79	20.39	0.109	23.00	-2.61
	256-QAM	3625.0	1.60	100 / 0	15.74	17.34	0.054	23.00	-5.66

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

FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm/10MHz]	EIRP [Watts/10MHz]	EIRP Limit [dBm/10MHz]	Margin [dB]
10 MHz	π/2 BPSK	3555.0	1.60	24 / 0	20.70	22.30	0.170	23.00	-0.70
		3625.0	1.60	24 / 0	20.62	22.22	0.167	23.00	-0.78
		3695.0	1.60	24 / 0	20.60	22.20	0.166	23.00	-0.80
	QPSK	3555.0	1.60	24 / 0	20.79	22.39	0.174	23.00	-0.61
		3625.0	1.60	24 / 0	20.65	22.25	0.168	23.00	-0.75
		3695.0	1.60	24 / 0	20.66	22.26	0.168	23.00	-0.74
	16-QAM	3555.0	1.60	24 / 0	19.85	21.45	0.140	23.00	-1.55
	64-QAM	3555.0	1.60	24 / 0	19.89	21.49	0.141	23.00	-1.51
	256-QAM	3555.0	1.60	24 / 0	18.81	20.41	0.110	23.00	-2.59
	π/2 BPSK	3557.5	1.60	36 / 0	20.63	22.23	0.167	23.00	-0.77
		3625.0	1.60	36 / 0	20.50	22.10	0.162	23.00	-0.90
		3692.5	1.60	36 / 0	20.47	22.07	0.161	23.00	-0.93
15 MHz	QPSK	3557.5	1.60	36 / 0	20.73	22.33	0.171	23.00	-0.67
		3625.0	1.60	36 / 0	20.60	22.20	0.166	23.00	-0.80
		3692.5	1.60	1 / 1	20.59	22.19	0.166	23.00	-0.81
	16-QAM	3557.5	1.60	1 / 18	19.91	21.51	0.141	23.00	-1.49
	64-QAM	3557.5	1.60	36 / 0	19.89	21.49	0.141	23.00	-1.51
	256-QAM	3557.5	1.60	36 / 0	18.75	20.35	0.108	23.00	-2.65
20 MHz	π/2 BPSK	3560.0	1.60	50 / 0	20.61	22.21	0.166	23.00	-0.79
		3625.0	1.60	50 / 0	20.48	22.08	0.161	23.00	-0.92
		3690.0	1.60	1 / 25	20.48	22.08	0.161	23.00	-0.92
	QPSK	3560.0	1.60	50 / 0	20.63	22.23	0.167	23.00	-0.77
		3625.0	1.60	1 / 49	20.47	22.07	0.161	23.00	-0.93
		3690.0	1.60	1 / 1	20.46	22.06	0.161	23.00	-0.94
	16-QAM	3560.0	1.60	50 / 0	19.81	21.41	0.138	23.00	-1.59
	64-QAM	3560.0	1.60	50 / 0	19.79	21.39	0.138	23.00	-1.61
	256-QAM	3560.0	1.60	50 / 0	18.72	20.32	0.108	23.00	-2.68
30 MHz	π/2 BPSK	3565.0	1.60	75 / 0	20.63	22.23	0.167	23.00	-0.77
		3625.0	1.60	1 / 76	20.47	22.07	0.161	23.00	-0.93
		3685.0	1.60	1 / 1	20.43	22.03	0.160	23.00	-0.97
	QPSK	3565.0	1.60	75 / 0	20.68	22.28	0.169	23.00	-0.72
		3625.0	1.60	1 / 76	20.59	22.19	0.166	23.00	-0.81
		3685.0	1.60	1 / 1	20.59	22.19	0.166	23.00	-0.81
	16-QAM	3565.0	1.60	1 / 1	19.85	21.45	0.140	23.00	-1.55
	64-QAM	3565.0	1.60	1 / 76	19.68	21.28	0.134	23.00	-1.72
	256-QAM	3625.0	1.60	75 / 0	18.61	20.21	0.105	23.00	-2.79
40 MHz	π/2 BPSK	3570.0	1.60	75 / 0	20.63	22.23	0.167	23.00	-0.77
		3625.0	1.60	75 / 0	20.53	22.13	0.163	23.00	-0.87
		3680.0	1.60	1 / 1	20.52	22.12	0.163	23.00	-0.88
	QPSK	3570.0	1.60	75 / 0	20.78	22.38	0.173	23.00	-0.62
		3625.0	1.60	1 / 76	20.68	22.28	0.169	23.00	-0.72
		3680.0	1.60	1 / 1	20.66	22.26	0.168	23.00	-0.74
	16-QAM	3570.0	1.60	75 / 0	19.97	21.57	0.144	23.00	-1.43
	64-QAM	3570.0	1.60	75 / 0	19.80	21.40	0.138	23.00	-1.60
	256-QAM	3570.0	1.60	75 / 0	18.67	20.27	0.106	23.00	-2.73

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

FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170041-13.BCG	Test Dates: 5/9/2025-8/7/2025	EUT Type: Tablet Device	Page 115 of 146

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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	3650.0	1	99	QPSK	55457	3571.7	1	0	19.692	1.60	21.29	0.135	23.00	-1.71
				55990	3625.0	1	99		56107	3636.7	1	0	20.766	1.60	22.37	0.172	23.00	-0.63
				56640	3690.0	1	0		56823	3678.3	1	24	19.204	1.60	20.80	0.120	23.00	-2.20
			QPSK	55990	3625	100	0	QPSK	56107	3636.7	100	0	20.408	1.60	22.01	0.159	23.00	-0.99
				55990	3625	100	0		56107	3636.7	100	0	20.196	1.60	21.80	0.151	23.00	-1.20
				55990	3625	100	0		56107	3636.7	100	0	19.992	1.60	21.59	0.144	23.00	-1.41
			QPSK	55990	3625	100	0	QPSK	56107	3636.7	100	0	19.769	1.60	21.37	0.137	23.00	-1.63
				55340	3560.0	1	99		55484	3574.4	1	0	18.74	1.60	20.34	0.108	23.00	-2.66
				55990	3625.0	1	99		56134	3639.4	1	0	20.887	1.60	22.49	0.177	23.00	-0.51
				56640	3690.0	1	0		56495	3675.6	1	49	18.599	1.60	20.20	0.105	23.00	-2.80
Max	LTE B48	20MHz + 10MHz	QPSK	55990	3625	100	0	QPSK	56134	3639.4	100	0	19.919	1.60	21.52	0.142	23.00	-1.48
				55990	3625	100	0		56134	3639.4	100	0	19.629	1.60	21.23	0.133	23.00	-1.77
				55990	3625	100	0		56134	3639.4	100	0	19.404	1.60	21.00	0.126	23.00	-2.00
			QPSK	55990	3625	100	0	QPSK	56134	3639.4	100	0	19.122	1.60	20.72	0.118	23.00	-2.28
				55340	3560.0	1	99		55511	3577.1	1	0	18.522	1.60	20.12	0.103	23.00	-2.88
				55990	3625.0	1	99		56161	3642.1	1	0	20.689	1.60	22.29	0.169	23.00	-0.71
				56640	3690.0	1	0		56469	3672.9	1	74	18.694	1.60	20.29	0.107	23.00	-2.71
			QPSK	55990	3625	100	0	QPSK	56161	3642.1	100	0	19.94	1.60	21.54	0.143	23.00	-1.46
				55990	3625	100	0		56161	3642.1	100	0	19.713	1.60	21.31	0.135	23.00	-1.69
				55990	3625	100	0		56161	3642.1	100	0	19.442	1.60	21.04	0.127	23.00	-1.96
Max	LTE B48	20MHz + 15MHz	QPSK	55990	3625	100	0	QPSK	56161	3642.1	100	0	19.196	1.60	20.76	0.119	23.00	-2.24
				55340	3560.0	1	99		55538	3579.8	1	0	20.122	1.60	21.72	0.149	23.00	-1.28
				55990	3625.0	1	99		56188	3644.8	1	0	20.857	1.60	22.46	0.176	23.00	-0.54
			QPSK	55990	3625	100	0	QPSK	56188	3644.8	100	0	18.634	1.60	20.23	0.106	23.00	-2.77
				55990	3625	100	0		56188	3644.8	100	0	19.933	1.60	21.53	0.142	23.00	-1.47
				55990	3625	100	0		56188	3644.8	100	0	19.731	1.60	21.33	0.136	23.00	-1.67
			QPSK	55990	3625	100	0	QPSK	56188	3644.8	100	0	19.466	1.60	21.07	0.128	23.00	-1.93
				55990	3625	100	0		56188	3644.8	100	0	19.213	1.60	20.81	0.121	23.00	-2.19
				55990	3625	100	0		56188	3644.8	100	0	19.213	1.60	20.81	0.121	23.00	-2.19

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

FCC ID: BCGA3361		PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-13.BCG	Test Dates: 5/9/2025-8/7/2025	EUT Type: Tablet Device	Page 116 of 146

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7.6.3 Antenna 4b – 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	-1.40	1 / 12	23.27	21.87	0.154	23.00	-1.13
		3625.0	-1.40	1 / 24	23.14	21.74	0.149	23.00	-1.26
		3697.5	-1.40	1 / 12	23.30	21.90	0.155	23.00	-1.10
	16-QAM	3697.5	-1.40	1 / 0	22.90	21.50	0.141	23.00	-1.50
	64-QAM	3697.5	-1.40	1 / 24	21.92	20.52	0.113	23.00	-2.48
	256-QAM	3697.5	-1.40	1 / 24	18.82	17.42	0.055	23.00	-5.58
10 MHz	QPSK	3555.0	-1.40	1 / 0	23.23	21.83	0.152	23.00	-1.17
		3625.0	-1.40	1 / 0	23.22	21.82	0.152	23.00	-1.18
		3695.0	-1.40	1 / 0	23.22	21.82	0.152	23.00	-1.18
	16-QAM	3695.0	-1.40	1 / 25	22.84	21.44	0.139	23.00	-1.56
	64-QAM	3695.0	-1.40	1 / 0	21.88	20.48	0.112	23.00	-2.52
	256-QAM	3555.0	-1.40	50 / 0	18.76	17.36	0.054	23.00	-5.64
15 MHz	QPSK	3557.5	-1.40	1 / 74	23.17	21.77	0.150	23.00	-1.23
		3625.0	-1.40	1 / 0	23.22	21.82	0.152	23.00	-1.18
		3692.5	-1.40	1 / 0	23.23	21.83	0.152	23.00	-1.17
	16-QAM	3692.5	-1.40	1 / 0	22.86	21.46	0.140	23.00	-1.54
	64-QAM	3692.5	-1.40	1 / 0	21.77	20.37	0.109	23.00	-2.63
	256-QAM	3692.5	-1.40	1 / 37	18.73	17.33	0.054	23.00	-5.67
20 MHz	QPSK	3560.0	-1.40	1 / 0	23.11	21.71	0.148	23.00	-1.29
		3625.0	-1.40	1 / 0	23.25	21.85	0.153	23.00	-1.15
		3690.0	-1.40	1 / 0	23.12	21.72	0.149	23.00	-1.28
	16-QAM	3690.0	-1.40	1 / 0	22.69	21.29	0.135	23.00	-1.71
	64-QAM	3625.0	-1.40	1 / 0	21.72	20.32	0.108	23.00	-2.68
	256-QAM	3690.0	-1.40	100 / 0	18.71	17.31	0.054	23.00	-5.69

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

FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170041-13.BCG	Test Dates: 5/9/2025-8/7/2025	EUT Type: Tablet Device	Page 117 of 146

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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	-1.40	24 / 0	23.56	22.16	0.164	23.00	-0.84
		3625.0	-1.40	24 / 0	23.45	22.05	0.160	23.00	-0.95
		3695.0	-1.40	24 / 0	23.42	22.02	0.159	23.00	-0.98
	QPSK	3555.0	-1.40	24 / 0	23.60	22.20	0.166	23.00	-0.80
		3625.0	-1.40	24 / 0	23.51	22.11	0.162	23.00	-0.89
		3695.0	-1.40	24 / 0	23.53	22.13	0.163	23.00	-0.87
	16-QAM	3555.0	-1.40	24 / 0	22.76	21.36	0.137	23.00	-1.64
	64-QAM	3555.0	-1.40	24 / 0	22.77	21.37	0.137	23.00	-1.63
	256-QAM	3695.0	-1.40	24 / 0	21.72	20.32	0.108	23.00	-2.68
15 MHz	π/2 BPSK	3557.5	-1.40	36 / 0	23.51	22.11	0.163	23.00	-0.89
		3625.0	-1.40	36 / 0	23.31	21.91	0.155	23.00	-1.09
		3692.5	-1.40	36 / 0	23.36	21.96	0.157	23.00	-1.04
	QPSK	3557.5	-1.40	36 / 0	23.60	22.20	0.166	23.00	-0.80
		3625.0	-1.40	36 / 0	23.36	21.96	0.157	23.00	-1.04
		3692.5	-1.40	1 / 1	23.41	22.01	0.159	23.00	-0.99
	16-QAM	3557.5	-1.40	36 / 0	22.67	21.27	0.134	23.00	-1.73
	64-QAM	3557.5	-1.40	36 / 0	22.60	21.20	0.132	23.00	-1.80
	256-QAM	3557.5	-1.40	36 / 0	21.51	20.11	0.103	23.00	-2.89
20 MHz	π/2 BPSK	3560.0	-1.40	50 / 0	23.54	22.14	0.164	23.00	-0.86
		3625.0	-1.40	1 / 25	23.40	22.00	0.158	23.00	-1.00
		3690.0	-1.40	50 / 0	23.35	21.95	0.157	23.00	-1.05
	QPSK	3560.0	-1.40	50 / 0	23.68	22.28	0.169	23.00	-0.72
		3625.0	-1.40	50 / 0	23.51	22.11	0.163	23.00	-0.89
		3690.0	-1.40	1 / 1	23.48	22.08	0.161	23.00	-0.92
	16-QAM	3560.0	-1.40	1 / 1	22.80	21.40	0.138	23.00	-1.60
	64-QAM	3560.0	-1.40	50 / 0	22.73	21.33	0.136	23.00	-1.67
	256-QAM	3560.0	-1.40	50 / 0	21.45	20.05	0.101	23.00	-2.95
30 MHz	π/2 BPSK	3565.0	-1.40	75 / 0	23.44	22.04	0.160	23.00	-0.96
		3625.0	-1.40	75 / 0	23.35	21.95	0.157	23.00	-1.05
		3685.0	-1.40	75 / 0	23.36	21.96	0.157	23.00	-1.04
	QPSK	3565.0	-1.40	75 / 0	23.50	22.10	0.162	23.00	-0.90
		3625.0	-1.40	1 / 76	23.39	21.99	0.158	23.00	-1.01
		3685.0	-1.40	1 / 1	23.38	21.98	0.158	23.00	-1.02
	16-QAM	3565.0	-1.40	75 / 0	22.59	21.19	0.132	23.00	-1.81
	64-QAM	3565.0	-1.40	75 / 0	22.74	21.34	0.136	23.00	-1.66
	256-QAM	3565.0	-1.40	75 / 0	21.55	20.15	0.104	23.00	-2.85
40 MHz	π/2 BPSK	3570.0	-1.40	75 / 0	23.52	22.12	0.163	23.00	-0.88
		3625.0	-1.40	1 / 76	23.43	22.03	0.160	23.00	-0.97
		3680.0	-1.40	75 / 0	23.34	21.94	0.156	23.00	-1.06
	QPSK	3570.0	-1.40	75 / 0	23.55	22.15	0.164	23.00	-0.85
		3625.0	-1.40	75 / 0	23.32	21.92	0.156	23.00	-1.08
		3680.0	-1.40	75 / 0	23.42	22.02	0.159	23.00	-0.98
	16-QAM	3570.0	-1.40	75 / 0	22.69	21.29	0.135	23.00	-1.71
	64-QAM	3570.0	-1.40	75 / 0	22.63	21.23	0.133	23.00	-1.77
	256-QAM	3680.0	-1.40	75 / 0	21.41	20.01	0.100	23.00	-2.99

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

FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2504170041-13.BCG	Test Dates: 5/9/2025-8/7/2025	EUT Type: Tablet Device	Page 118 of 146

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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	20.717	-1.40	19.32	0.085	23.00	-3.68		
				55990	3625.0	1	99		56107	3636.7	1	0	23.795	-1.40	22.40	0.174	23.00	-0.60		
				56640	3690.0	1	0		56223	3678.3	1	24	20.233	-1.40	18.83	0.076	23.00	-4.17		
			QPSK	55990	3625	100	0	QPSK	56107	3636.7	100	0	21.517	-1.40	20.12	0.103	23.00	-2.88		
				16-QAM	55990	3625	100		0	16-QAM	56107	3636.7	100	0	21.296	-1.40	19.90	0.098	23.00	-3.10
				64-QAM	55990	3625	100		0	64-QAM	56107	3636.7	100	0	21.085	-1.40	19.69	0.093	23.00	-3.32
256-QAM	55990	3625	100	0	256-QAM	56107	3636.7	100	0	20.879	-1.40	19.48	0.089	23.00	-3.52					
Max	LTE B48	20MHz + 10MHz	QPSK	55340	3560.0	1	99	QPSK	55484	3574.4	1	0	19.677	-1.40	18.28	0.067	23.00	-4.72		
				55990	3625.0	1	99		56134	3639.4	1	0	23.669	-1.40	22.27	0.169	23.00	-0.73		
				56640	3690.0	1	0		56496	3675.6	1	49	19.659	-1.40	18.26	0.067	23.00	-4.74		
			QPSK	55990	3625	100	0	QPSK	56134	3639.4	100	0	20.977	-1.40	19.58	0.091	23.00	-3.42		
				16-QAM	55990	3625	100		0	16-QAM	56134	3639.4	100	0	20.722	-1.40	19.32	0.086	23.00	-3.68
				64-QAM	55990	3625	100		0	64-QAM	56134	3639.4	100	0	20.505	-1.40	19.11	0.081	23.00	-3.90
256-QAM	55990	3625	100	0	256-QAM	56134	3639.4	100	0	20.282	-1.40	18.88	0.077	23.00	-4.12					
Max	LTE B48	20MHz + 15MHz	QPSK	55340	3560.0	1	99	QPSK	55511	3577.1	1	0	19.631	-1.40	18.23	0.067	23.00	-4.77		
				55990	3625.0	1	99		56161	3642.1	1	0	23.599	-1.40	22.20	0.166	23.00	-0.80		
				56640	3690.0	1	0		56469	3672.9	1	74	19.635	-1.40	18.24	0.067	23.00	-4.77		
			QPSK	55990	3625	100	0	QPSK	56161	3642.1	100	0	21.018	-1.40	19.62	0.092	23.00	-3.38		
				16-QAM	55990	3625	100		0	16-QAM	56161	3642.1	100	0	20.791	-1.40	19.39	0.087	23.00	-3.61
				64-QAM	55990	3625	100		0	64-QAM	56161	3642.1	100	0	20.512	-1.40	19.11	0.082	23.00	-3.89
256-QAM	55990	3625	100	0	256-QAM	56161	3642.1	100	0	20.284	-1.40	18.88	0.077	23.00	-4.12					
Max	LTE B48	20MHz + 20MHz	QPSK	55340	3560.0	1	99	QPSK	55538	3579.8	1	0	21.189	-1.40	19.79	0.095	23.00	-3.21		
				55990	3625.0	1	99		56188	3644.8	1	0	23.673	-1.40	22.27	0.169	23.00	-0.73		
				56640	3690.0	1	0		56442	3670.2	1	99	19.809	-1.40	18.41	0.069	23.00	-4.59		
			QPSK	55990	3625	100	0	QPSK	56188	3644.8	100	0	20.968	-1.40	19.57	0.091	23.00	-3.43		
				16-QAM	55990	3625	100		0	16-QAM	56188	3644.8	100	0	20.757	-1.40	19.36	0.086	23.00	-3.64
				64-QAM	55990	3625	100		0	64-QAM	56188	3644.8	100	0	20.521	-1.40	19.12	0.082	23.00	-3.88
256-QAM	55990	3625	100	0	256-QAM	56188	3644.8	100	0	20.231	-1.40	18.83	0.076	23.00	-4.17					

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

FCC ID: BCGA3361		PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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7.6.4 Antenna 2b – 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	-3.30	1 / 24	24.46	21.16	0.131	23.00	-1.84
		3625.0	-3.30	1 / 12	24.34	21.04	0.127	23.00	-1.96
		3697.5	-3.30	1 / 12	24.26	20.96	0.125	23.00	-2.04
	16-QAM	3552.5	-3.30	1 / 24	24.10	20.80	0.120	23.00	-2.20
	64-QAM	3552.5	-3.30	1 / 12	22.95	19.65	0.092	23.00	-3.35
	256-QAM	3552.5	-3.30	1 / 24	19.94	16.64	0.046	23.00	-6.36
10 MHz	QPSK	3555.0	-3.30	1 / 49	24.45	21.15	0.130	23.00	-1.85
		3625.0	-3.30	1 / 0	24.50	21.20	0.132	23.00	-1.80
		3695.0	-3.30	1 / 0	24.28	20.98	0.125	23.00	-2.02
	16-QAM	3555.0	-3.30	1 / 0	24.07	20.77	0.119	23.00	-2.23
	64-QAM	3625.0	-3.30	1 / 49	22.98	19.68	0.093	23.00	-3.32
	256-QAM	3555.0	-3.30	50 / 0	19.97	16.67	0.046	23.00	-6.33
15 MHz	QPSK	3557.5	-3.30	1 / 74	24.34	21.04	0.127	23.00	-1.96
		3625.0	-3.30	1 / 0	24.37	21.07	0.128	23.00	-1.93
		3692.5	-3.30	1 / 0	24.17	20.87	0.122	23.00	-2.13
	16-QAM	3625.0	-3.30	1 / 0	23.88	20.58	0.114	23.00	-2.42
	64-QAM	3625.0	-3.30	1 / 0	22.88	19.58	0.091	23.00	-3.42
	256-QAM	3625.0	-3.30	75 / 0	19.79	16.49	0.045	23.00	-6.51
20 MHz	QPSK	3560.0	-3.30	1 / 0	24.21	20.91	0.123	23.00	-2.09
		3625.0	-3.30	1 / 0	24.49	21.19	0.131	23.00	-1.81
		3690.0	-3.30	1 / 0	24.09	20.79	0.120	23.00	-2.21
	16-QAM	3560.0	-3.30	1 / 0	23.87	20.57	0.114	23.00	-2.43
	64-QAM	3625.0	-3.30	1 / 0	22.97	19.67	0.093	23.00	-3.33
	256-QAM	3625.0	-3.30	100 / 0	19.84	16.54	0.045	23.00	-6.46

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

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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	-3.30	24 / 0	24.71	21.41	0.138	23.00	-1.59
		3625.0	-3.30	24 / 0	24.55	21.25	0.133	23.00	-1.75
		3695.0	-3.30	24 / 0	24.51	21.21	0.132	23.00	-1.79
	QPSK	3555.0	-3.30	24 / 0	24.74	21.44	0.139	23.00	-1.56
		3625.0	-3.30	24 / 0	24.68	21.38	0.137	23.00	-1.62
		3695.0	-3.30	24 / 0	24.60	21.30	0.135	23.00	-1.70
	16-QAM	3625.0	-3.30	24 / 0	23.81	20.51	0.112	23.00	-2.49
64-QAM	3555.0	-3.30	24 / 0	23.86	20.56	0.114	23.00	-2.44	
256-QAM	3625.0	-3.30	24 / 0	22.61	19.31	0.085	23.00	-3.69	
15 MHz	π/2 BPSK	3557.5	-3.30	36 / 0	24.78	21.48	0.141	23.00	-1.52
		3625.0	-3.30	1 / 1	24.68	21.38	0.137	23.00	-1.62
		3692.5	-3.30	1 / 1	24.64	21.34	0.136	23.00	-1.66
	QPSK	3557.5	-3.30	36 / 0	24.74	21.44	0.139	23.00	-1.56
		3625.0	-3.30	36 / 0	24.66	21.36	0.137	23.00	-1.64
		3692.5	-3.30	36 / 0	24.58	21.28	0.134	23.00	-1.72
	16-QAM	3557.5	-3.30	36 / 0	23.91	20.61	0.115	23.00	-2.39
	64-QAM	3557.5	-3.30	1 / 18	23.74	20.44	0.111	23.00	-2.56
	256-QAM	3692.5	-3.30	24 / 0	22.55	19.25	0.084	23.00	-3.75
	20 MHz	π/2 BPSK	3560.0	-3.30	50 / 0	24.62	21.32	0.136	23.00
3625.0			-3.30	50 / 0	24.46	21.16	0.131	23.00	-1.84
3690.0			-3.30	1 / 1	24.44	21.14	0.130	23.00	-1.86
QPSK		3560.0	-3.30	50 / 0	24.66	21.36	0.137	23.00	-1.64
		3625.0	-3.30	1 / 49	24.52	21.22	0.132	23.00	-1.78
		3690.0	-3.30	50 / 0	24.55	21.25	0.134	23.00	-1.75
16-QAM		3560.0	-3.30	50 / 0	23.86	20.56	0.114	23.00	-2.44
64-QAM	3560.0	-3.30	50 / 0	23.91	20.61	0.115	23.00	-2.39	
256-QAM	3560.0	-3.30	50 / 0	22.67	19.37	0.086	23.00	-3.63	
30 MHz	π/2 BPSK	3565.0	-3.30	1 / 1	24.60	21.30	0.135	23.00	-1.70
		3625.0	-3.30	1 / 76	24.42	21.12	0.129	23.00	-1.88
		3685.0	-3.30	1 / 36	24.48	21.18	0.131	23.00	-1.82
	QPSK	3565.0	-3.30	1 / 1	24.65	21.35	0.137	23.00	-1.65
		3625.0	-3.30	1 / 1	24.56	21.26	0.134	23.00	-1.74
		3685.0	-3.30	75 / 0	24.53	21.23	0.133	23.00	-1.77
	16-QAM	3565.0	-3.30	1 / 1	23.80	20.50	0.112	23.00	-2.50
64-QAM	3565.0	-3.30	1 / 1	23.78	20.48	0.112	23.00	-2.52	
256-QAM	3565.0	-3.30	75 / 0	22.58	19.28	0.085	23.00	-3.72	
40 MHz	π/2 BPSK	3570.0	-3.30	1 / 1	24.65	21.35	0.136	23.00	-1.65
		3625.0	-3.30	75 / 0	24.52	21.22	0.132	23.00	-1.78
		3680.0	-3.30	1 / 1	24.47	21.17	0.131	23.00	-1.83
	QPSK	3570.0	-3.30	1 / 76	24.99	21.69	0.148	23.00	-1.31
		3625.0	-3.30	75 / 0	24.80	21.50	0.141	23.00	-1.50
		3680.0	-3.30	1 / 1	24.86	21.56	0.143	23.00	-1.44
	16-QAM	3570.0	-3.30	1 / 76	24.10	20.80	0.120	23.00	-2.20
64-QAM	3570.0	-3.30	1 / 1	23.64	20.34	0.108	23.00	-2.66	
256-QAM	3680.0	-3.30	75 / 0	22.25	18.95	0.079	23.00	-4.05	

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

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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	3690.0	1	99	QPSK	55467	3571.7	1	0	19.143	-3.30	15.84	0.038	23.00	-7.16
				55990	3625.0	1	99		56107	3636.7	1	0	22.329	-3.30	19.03	0.080	23.00	-3.97
				56640	3690.0	1	0		56823	3678.3	1	24	18.757	-3.30	15.46	0.035	23.00	-7.54
				55990	3625	100	0		56107	3636.7	100	0	20.035	-3.30	16.74	0.047	23.00	-6.27
			16-QAM	55990	3625	100	0	16-QAM	56107	3636.7	100	0	19.824	-3.30	16.52	0.045	23.00	-6.48
				55990	3625	100	0		56107	3636.7	100	0	19.589	-3.30	16.29	0.043	23.00	-6.71
				55990	3625	100	0		56107	3636.7	100	0	19.385	-3.30	16.09	0.041	23.00	-6.92
				55340	3560.0	1	99		55484	3574.4	1	0	18.189	-3.30	14.89	0.031	23.00	-8.11
			QPSK	55990	3625.0	1	99	QPSK	56134	3639.4	1	0	22.652	-3.30	19.35	0.086	23.00	-3.65
				56640	3690.0	1	0		56496	3675.6	1	49	18.324	-3.30	15.02	0.032	23.00	-7.98
Max	LTE B48	20MHz + 10MHz	QPSK	55990	3625	100	0	QPSK	56134	3639.4	100	0	19.528	-3.30	16.23	0.042	23.00	-6.77
				55990	3625	100	0		56134	3639.4	100	0	19.29	-3.30	15.99	0.040	23.00	-7.01
				55990	3625	100	0		56134	3639.4	100	0	19.007	-3.30	15.71	0.037	23.00	-7.29
				55990	3625	100	0		56134	3639.4	100	0	18.757	-3.30	15.46	0.035	23.00	-7.54
			QPSK	55340	3560.0	1	99	QPSK	55511	3577.1	1	0	18.316	-3.30	15.02	0.032	23.00	-7.98
				55990	3625.0	1	99		56161	3642.1	1	0	23.261	-3.30	19.96	0.099	23.00	-3.04
				56640	3690.0	1	0		56469	3672.9	1	74	18.304	-3.30	15.00	0.032	23.00	-8.00
				55990	3625	100	0		56161	3642.1	100	0	19.518	-3.30	16.22	0.042	23.00	-6.78
			16-QAM	55990	3625	100	0	16-QAM	56161	3642.1	100	0	19.274	-3.30	15.97	0.040	23.00	-7.03
				55990	3625	100	0		56161	3642.1	100	0	18.99	-3.30	15.69	0.037	23.00	-7.31
Max	LTE B48	20MHz + 15MHz	QPSK	55990	3625	100	0	QPSK	56161	3642.1	100	0	18.69	-3.30	15.39	0.035	23.00	-7.61
				55340	3560.0	1	99		55538	3579.8	1	0	19.638	-3.30	16.34	0.043	23.00	-6.66
				55990	3625.0	1	99		56188	3644.8	1	0	23.338	-3.30	20.04	0.101	23.00	-2.96
				56640	3690.0	1	0		56442	3670.2	1	99	18.293	-3.30	14.99	0.032	23.00	-8.01
			QPSK	55990	3625	100	0	QPSK	56188	3644.8	100	0	19.56	-3.30	16.26	0.042	23.00	-6.74
				55990	3625	100	0		56188	3644.8	100	0	19.344	-3.30	16.04	0.040	23.00	-6.96
				55990	3625	100	0		56188	3644.8	100	0	19.057	-3.30	15.76	0.038	23.00	-7.24
				55990	3625	100	0		56188	3644.8	100	0	18.827	-3.30	15.53	0.036	23.00	-7.47
			16-QAM	55990	3625	100	0	16-QAM	56188	3644.8	100	0	19.344	-3.30	16.04	0.040	23.00	-6.96
				55990	3625	100	0		56188	3644.8	100	0	19.057	-3.30	15.76	0.038	23.00	-7.24

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

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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 x RBW
3. Span = 1.5 times the OBW
4. No. of sweep points $\geq$ 2 x span / RBW
5. Detector = RMS
6. Trace mode = 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

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Test Setup

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

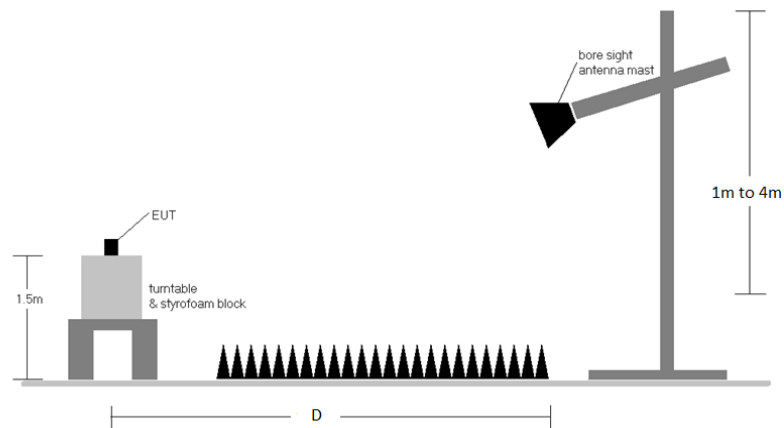


Figure 7-11. Test Instrument & Measurement Setup

Test Notes

- Field strengths are calculated using the Measurement quantity conversions in KDB 971168 D01 v03r01 Section 5.8.4.
 - $E(\text{dB}\mu\text{V}/\text{m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V}/\text{m}) + 20\log D - 104.8$; where D is the measurement distance in meters.
- 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.
- 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.
- This unit was tested with its standard battery.
- The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
- No significant emissions were found for below 1GHz measurement.
- 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.
- The "-" shown in the following RSE tables are used to denote a noise floor measurement.
- 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.
- 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.
- 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 3 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	-	-	-78.09	5.99	34.90	-60.36	-40.00	-20.36
10680.0	V	-	-	-79.42	9.12	36.70	-58.56	-40.00	-18.56
14240.0	H	-	-	-80.66	13.78	40.12	-55.14	-40.00	-15.14

Table 7-13. 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	-	-	-77.86	5.96	35.10	-60.15	-40.00	-20.15
10875.0	H	-	-	-79.77	9.62	36.85	-58.41	-40.00	-18.41
14500.0	H	-	-	-80.91	14.52	40.61	-54.65	-40.00	-14.65

Table 7-14. 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	-	-	-77.66	5.66	35.00	-60.26	-40.00	-20.26
11070.0	V	-	-	-79.16	9.36	37.20	-58.06	-40.00	-18.06
14760.0	V	-	-	-81.15	15.46	41.31	-53.95	-40.00	-13.95

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

FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-13.BCG	Test Dates: 5/9/2025-8/7/2025	EUT Type: Tablet Device
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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	V	-	-	-78.04	5.99	34.94	-60.31	-40.00	-20.31
10680.0	V	-	-	-79.19	9.22	37.03	-58.23	-40.00	-18.23
14240.0	V	-	-	-80.53	13.71	40.18	-55.08	-40.00	-15.08

Table 7-16. 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	-	-	-77.97	5.96	34.99	-60.26	-40.00	-20.26
10875.0	V	-	-	-79.02	9.42	37.40	-57.86	-40.00	-17.86
14500.0	V	-	-	-80.54	14.58	41.03	-54.23	-40.00	-14.23

Table 7-17. 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	-	-	-78.16	5.84	34.68	-60.58	-40.00	-20.58
11070.0	H	-	-	-79.28	9.33	37.06	-58.20	-40.00	-18.20
14760.0	V	-	-	-81.33	15.33	41.00	-54.26	-40.00	-14.26

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

FCC ID: BCGA3361	 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	-	-	-77.66	5.99	35.33	-59.93	-40.00	-19.93
10680.0	H	-	-	-79.70	9.19	36.50	-58.76	-40.00	-18.76
14240.0	H	-	-	-80.88	13.71	39.83	-55.42	-40.00	-15.42

Table 7-19. 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	H	-	-	-78.00	5.93	34.93	-60.33	-40.00	-20.33
10875.0	H	-	-	-79.80	9.59	36.79	-58.46	-40.00	-18.46
14500.0	H	-	-	-81.00	14.49	40.49	-54.77	-40.00	-14.77

Table 7-20. 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	-	-	-77.84	5.66	34.81	-60.45	-40.00	-20.45
11070.0	H	-	-	-79.17	9.33	37.17	-58.09	-40.00	-18.09
14760.0	H	-	-	-81.46	15.33	40.87	-54.39	-40.00	-14.39

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

FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-13.BCG	Test Dates: 5/9/2025-8/7/2025	EUT Type: Tablet Device
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7.7.2 Antenna 1 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	-	-	-78.00	6.10	35.09	-60.16	-40.00	-20.16
10680.0	H	-	-	-79.62	9.22	36.60	-58.66	-40.00	-18.66
14240.0	H	-	-	-80.77	13.65	39.88	-55.38	-40.00	-15.38

Table 7-22. 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	-	-	-77.78	5.93	35.15	-60.11	-40.00	-20.11
10875.0	H	-	-	-79.44	9.42	36.98	-58.28	-40.00	-18.28
14500.0	V	-	-	-80.73	14.56	40.83	-54.42	-40.00	-14.42

Table 7-23. 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	-	-	-77.52	5.66	35.14	-60.12	-40.00	-20.12
11070.0	H	-	-	-79.19	9.36	37.17	-58.09	-40.00	-18.09
14760.0	V	-	-	-81.18	15.46	41.28	-53.97	-40.00	-13.97

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

FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2504170041-13.BCG	Test Dates: 5/9/2025-8/7/2025	EUT Type: Tablet Device
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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	V	-	-	-77.57	5.99	35.42	-59.84	-40.00	-19.84
10680.0	V	-	-	-79.49	9.22	36.73	-58.53	-40.00	-18.53
14240.0	H	-	-	-80.74	13.71	39.97	-55.28	-40.00	-15.28

Table 7-25. 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	-	-	-77.94	6.19	35.26	-60.00	-40.00	-20.00
10875.0	H	-	-	-79.28	9.53	37.24	-58.01	-40.00	-18.01
14500.0	H	-	-	-80.64	14.54	40.90	-54.35	-40.00	-14.35

Table 7-26. 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	-	-	-77.81	5.66	34.85	-60.41	-40.00	-20.41
11070.0	H	-	-	-79.19	9.30	37.10	-58.15	-40.00	-18.15
14760.0	V	-	-	-81.12	15.33	41.21	-54.05	-40.00	-14.05

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

FCC ID: BCGA3361	 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	V	-	-	-77.48	6.10	35.62	-59.64	-40.00	-19.64
10680.0	V	-	-	-79.55	9.22	36.67	-58.59	-40.00	-18.59
14240.0	V	-	-	-80.89	13.71	39.82	-55.44	-40.00	-15.44

Table 7-28. 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	-	-	-77.98	5.96	34.99	-60.27	-40.00	-20.27
10875.0	V	-	-	-79.67	9.59	36.92	-58.34	-40.00	-18.34
14500.0	V	-	-	-80.93	14.44	40.52	-54.74	-40.00	-14.74

Table 7-29. 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	-	-	-77.75	5.66	34.91	-60.35	-40.00	-20.35
11070.0	V	-	-	-79.35	9.30	36.94	-58.32	-40.00	-18.32
14760.0	V	-	-	-81.41	15.33	40.92	-54.33	-40.00	-14.33

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

FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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7.7.3 Antenna 4b 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	-	-	-77.88	6.10	35.22	-60.04	-40.00	-20.04
10680.0	H	-	-	-79.48	9.12	36.64	-58.62	-40.00	-18.62
14240.0	H	-	-	-80.70	13.78	40.08	-55.18	-40.00	-15.18

Table 7-31. 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	-	-	-78.05	6.19	35.14	-60.12	-40.00	-20.12
10875.0	H	-	-	-79.42	9.59	37.17	-58.09	-40.00	-18.09
14500.0	V	-	-	-80.74	14.56	40.83	-54.43	-40.00	-14.43

Table 7-32. 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	-	-	-77.83	5.89	35.07	-60.19	-40.00	-20.19
11070.0	V	-	-	-79.19	9.30	37.11	-58.15	-40.00	-18.15
14760.0	H	-	-	-81.05	15.46	41.41	-53.85	-40.00	-13.85

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

FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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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	-	-	-78.10	6.08	34.98	-60.28	-40.00	-20.28
10680.0	H	-	-	-79.40	9.17	36.77	-58.49	-40.00	-18.49
14240.0	V	-	-	-80.57	13.64	40.08	-55.18	-40.00	-15.18

Table 7-34. 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	-	-	-78.19	5.96	34.77	-60.49	-40.00	-20.49
10875.0	V	-	-	-79.30	9.60	37.30	-57.96	-40.00	-17.96
14500.0	V	-	-	-80.80	14.47	40.67	-54.58	-40.00	-14.58

Table 7-35. 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	-	-	-77.65	5.66	35.01	-60.25	-40.00	-20.25
11070.0	H	-	-	-79.34	9.33	37.00	-58.26	-40.00	-18.26
14760.0	H	-	-	-80.99	15.14	41.15	-54.11	-40.00	-14.11

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

FCC ID: BCGA3361	 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	V	-	-	-78.08	6.10	35.02	-60.24	-40.00	-20.24
10680.0	H	-	-	-79.48	9.05	36.57	-58.69	-40.00	-18.69
14240.0	H	-	-	-80.83	13.71	39.88	-55.38	-40.00	-15.38

Table 7-37. 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	H	-	-	-78.06	5.96	34.90	-60.36	-40.00	-20.36
10875.0	V	-	-	-79.66	9.62	36.95	-58.30	-40.00	-18.30
14500.0	V	-	-	-81.06	14.56	40.50	-54.76	-40.00	-14.76

Table 7-38. 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	-	-	-77.77	5.66	34.89	-60.37	-40.00	-20.37
11070.0	H	-	-	-79.42	9.33	36.92	-58.34	-40.00	-18.34
14760.0	H	-	-	-81.48	15.33	40.85	-54.41	-40.00	-14.41

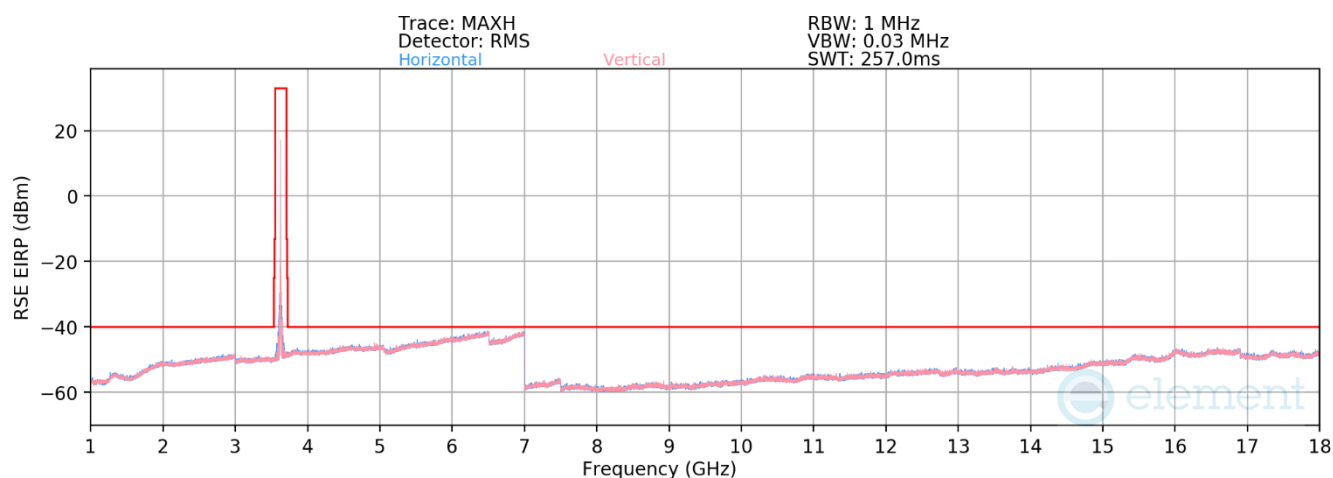
Table 7-39. Radiated Spurious Data (NR Band n48 – High Channel)

FCC ID: BCGA3361	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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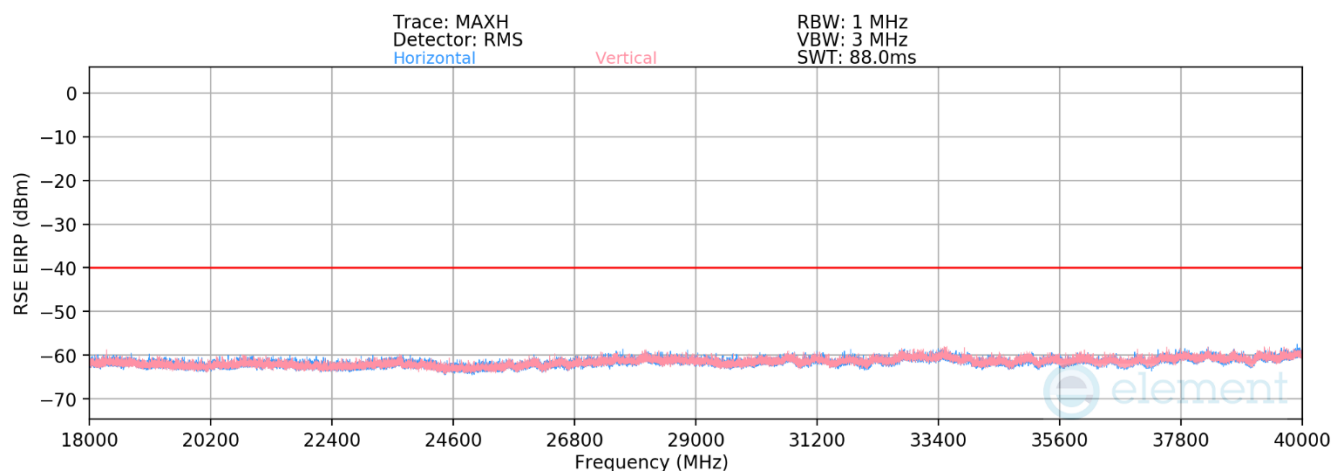
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7.7.4 Antenna 2b Radiated Spurious Emissions Measurements

LTE Band 48



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



Plot 7-179. 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	-	-	-78.15	5.99	34.83	-60.42	-40.00	-20.42
10680.0	V	-	-	-79.60	9.12	36.52	-58.74	-40.00	-18.74
14240.0	V	-	-	-80.83	13.72	39.89	-55.37	-40.00	-15.37

Table 7-40. 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	-	-	-78.22	6.19	34.98	-60.28	-40.00	-20.28
10875.0	H	-	-	-79.65	9.59	36.93	-58.32	-40.00	-18.32
14500.0	V	-	-	-80.73	14.56	40.83	-54.43	-40.00	-14.43

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

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

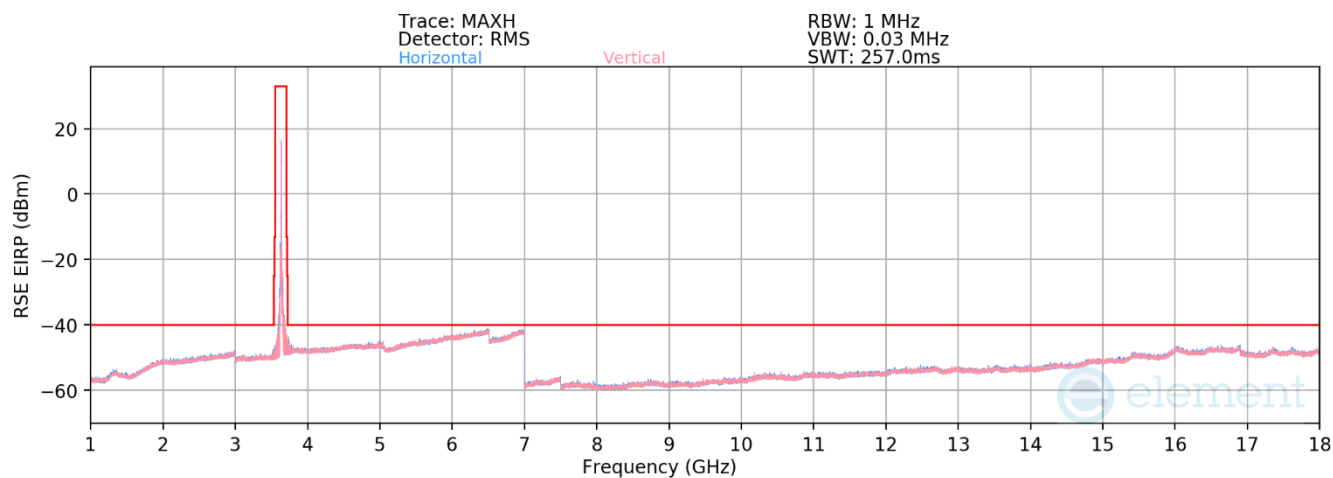
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7380.0	V	-	-	-77.41	5.66	35.25	-60.01	-40.00	-20.01
11070.0	V	-	-	-79.31	9.36	37.05	-58.21	-40.00	-18.21
14760.0	V	-	-	-81.21	15.46	41.25	-54.01	-40.00	-14.01

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

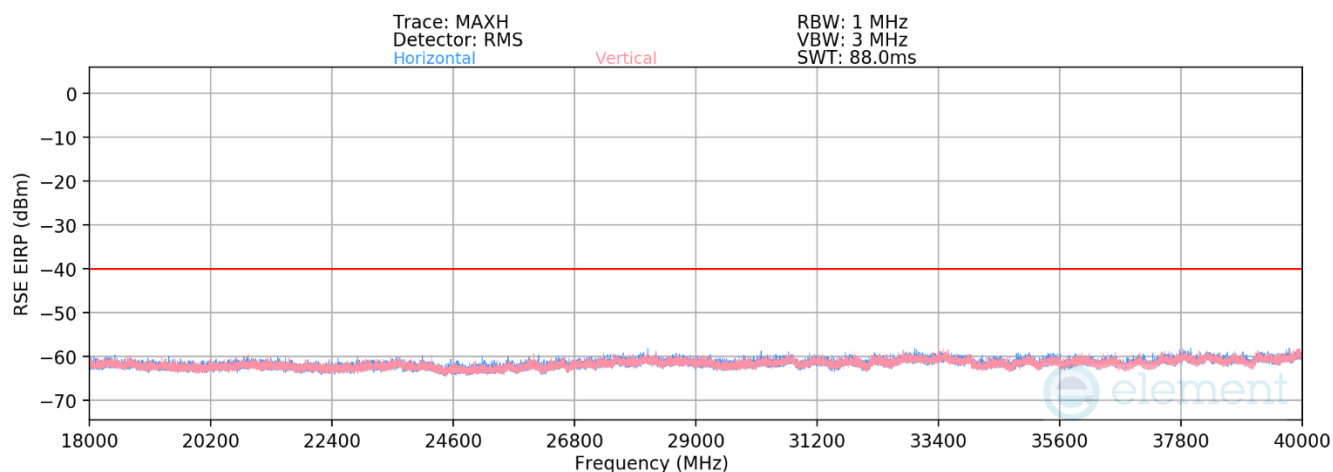
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ULCA LTE Band 48



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



Plot 7-181. 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	H	-	-	-77.83	5.99	35.16	-60.10	-40.00	-20.10
10680.0	V	-	-	-79.36	9.19	36.83	-58.43	-40.00	-18.43
14240.0	H	-	-	-80.65	13.71	40.06	-55.20	-40.00	-15.20

Table 7-43. 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	-	-	-77.93	5.93	34.99	-60.26	-40.00	-20.26
10875.0	V	-	-	-79.15	9.60	37.45	-57.80	-40.00	-17.80
14500.0	H	-	-	-80.67	14.54	40.87	-54.38	-40.00	-14.38

Table 7-44. 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

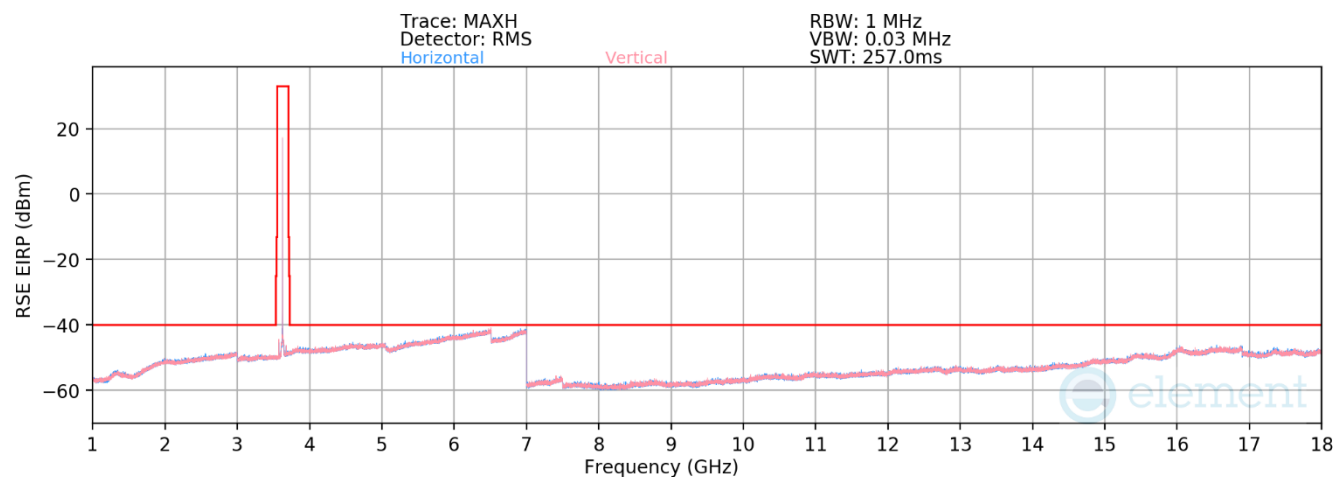
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7380.0	V	-	-	-77.84	5.66	34.81	-60.44	-40.00	-20.44
11070.0	H	-	-	-79.45	9.33	36.89	-58.37	-40.00	-18.37
14760.0	V	-	-	-81.04	15.33	41.29	-53.96	-40.00	-13.96

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

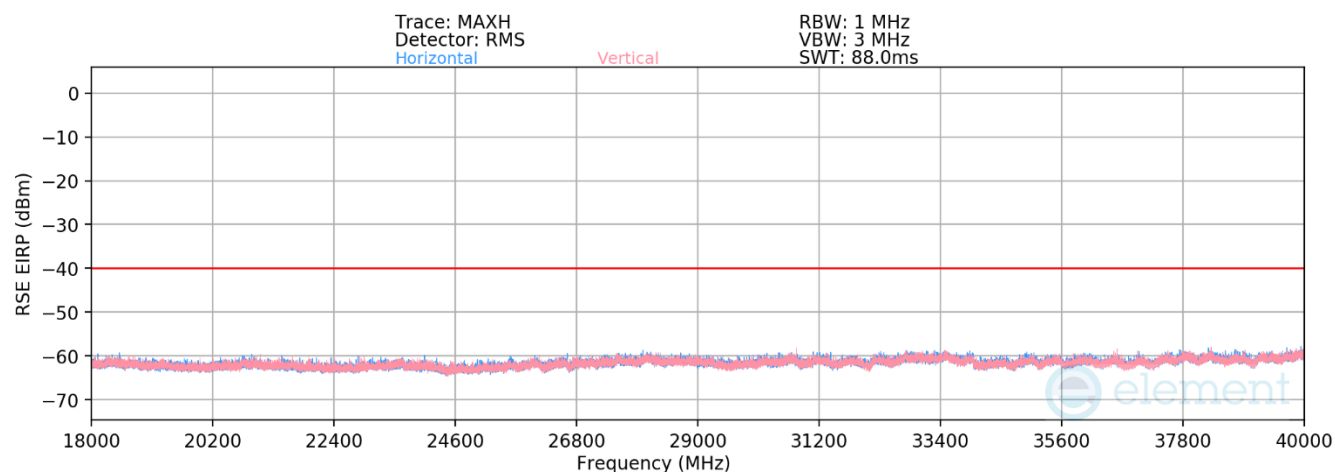
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NR Band n48



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



Plot 7-183. 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	V	-	-	-77.57	5.99	35.43	-59.83	-40.00	-19.83
10680.0	H	-	-	-79.15	9.22	37.06	-58.20	-40.00	-18.20
14240.0	H	-	-	-80.63	13.64	40.01	-55.24	-40.00	-15.24

Table 7-46. 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	H	-	-	-78.29	6.19	34.90	-60.35	-40.00	-20.35
10875.0	V	-	-	-79.63	9.62	36.99	-58.27	-40.00	-18.27
14500.0	H	-	-	-80.90	14.52	40.62	-54.64	-40.00	-14.64

Table 7-47. 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	-	-	-77.78	5.66	34.88	-60.38	-40.00	-20.38
11070.0	V	-	-	-79.11	9.34	37.23	-58.03	-40.00	-18.03
14760.0	H	-	-	-81.15	15.00	40.85	-54.41	-40.00	-14.41

Table 7-48. 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

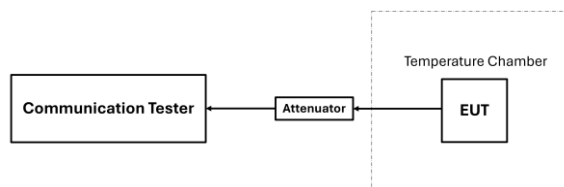


Figure 7-12. LTE Test Instrument & Measurement Setup

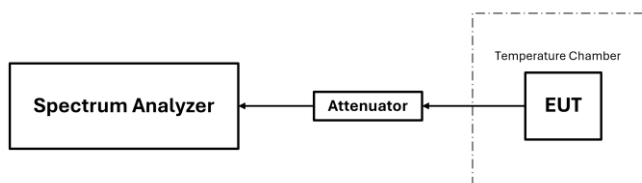


Figure 7-13. FR1 Test Instrument & Measurement Setup

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	3.55058391	-0.00058391
		- 20	3.55012949	-0.00012949
		- 10	3.55084328	-0.00084328
		0	3.55076630	-0.00076630
		+ 10	3.55004859	-0.00004859
		+ 20 (Ref)	3.55047913	-0.00047913
		+ 30	3.55092284	-0.00092283
		+ 40	3.55031205	-0.00031205
		+ 50	3.55068970	-0.00068970
Battery Endpoint	3.40	+ 20	3.55025194	-0.00025194

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	3.69928457	-0.00071543
		- 20	3.69975211	-0.00024789
		- 10	3.69911539	-0.00088461
		0	3.69966543	-0.00033457
		+ 10	3.69903429	-0.00096571
		+ 20 (Ref)	3.69953810	-0.00046190
		+ 30	3.69989206	-0.00010794
		+ 40	3.69919735	-0.00080265
		+ 50	3.69946371	-0.00053629
Battery Endpoint	3.40	+ 20	3.69980923	-0.00019077

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	3.55074584	-0.00074584
		- 20	3.55010947	-0.00010947
		- 10	3.55089202	-0.00089202
		0	3.55050373	-0.00050373
		+ 10	3.55025639	-0.00025639
		+ 20 (Ref)	3.55094871	-0.00094871
		+ 30	3.55032107	-0.00032107
		+ 40	3.55067028	-0.00067028
		+ 50	3.55013759	-0.00013759
Battery Endpoint	3.40	+ 20	3.55081421	-0.00081421

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	3.69917281	-0.00082719
		- 20	3.69998413	-0.00001587
		- 10	3.69962439	-0.00037561
		0	3.69908261	-0.00091739
		+ 10	3.69989321	-0.00010680
		+ 20 (Ref)	3.69931410	-0.00068590
		+ 30	3.69954573	-0.00045427
		+ 40	3.69925197	-0.00074803
		+ 50	3.69970343	-0.00029657
Battery Endpoint	3.40	+ 20	3.69943811	-0.00056189

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

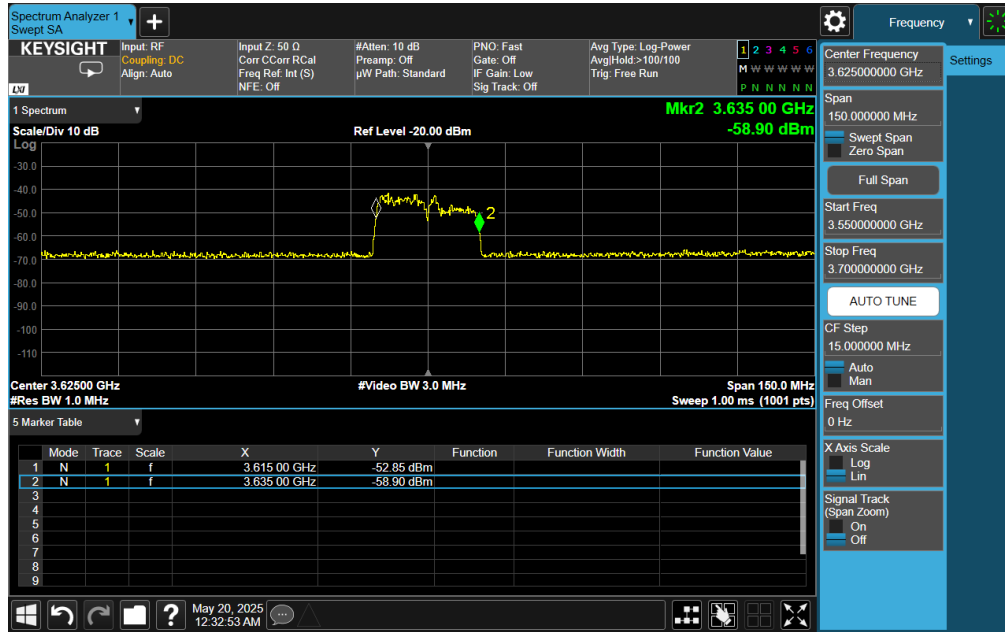
The EUT is an End User Device.

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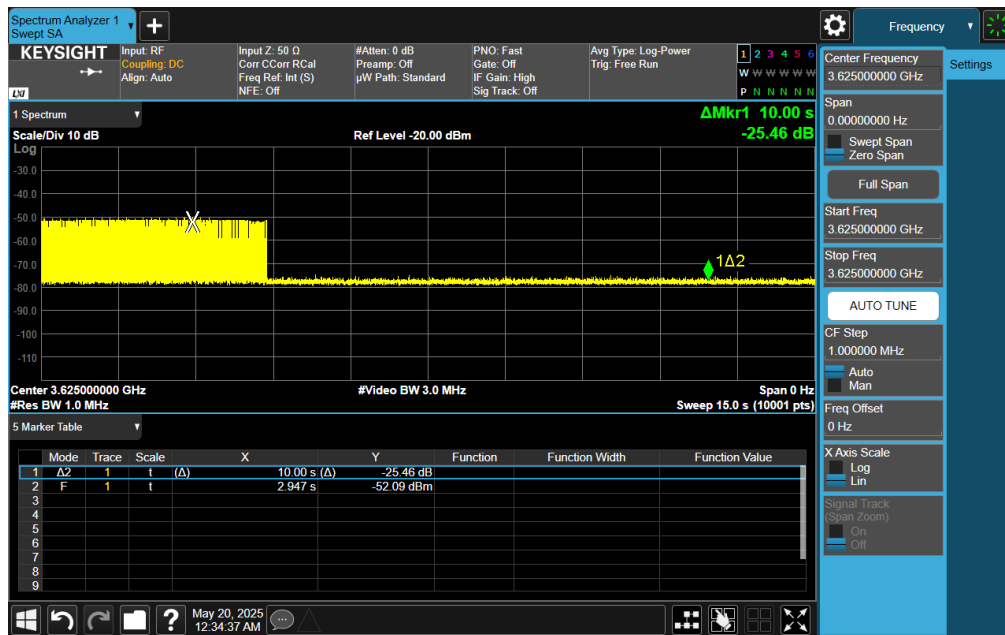
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Run#1 LTE-B48:

- 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.

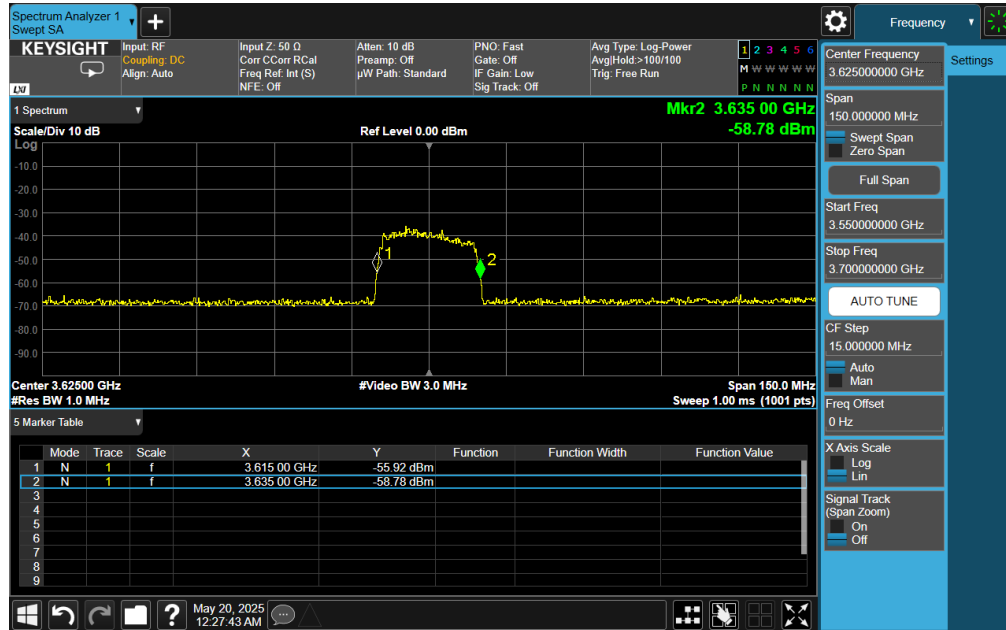
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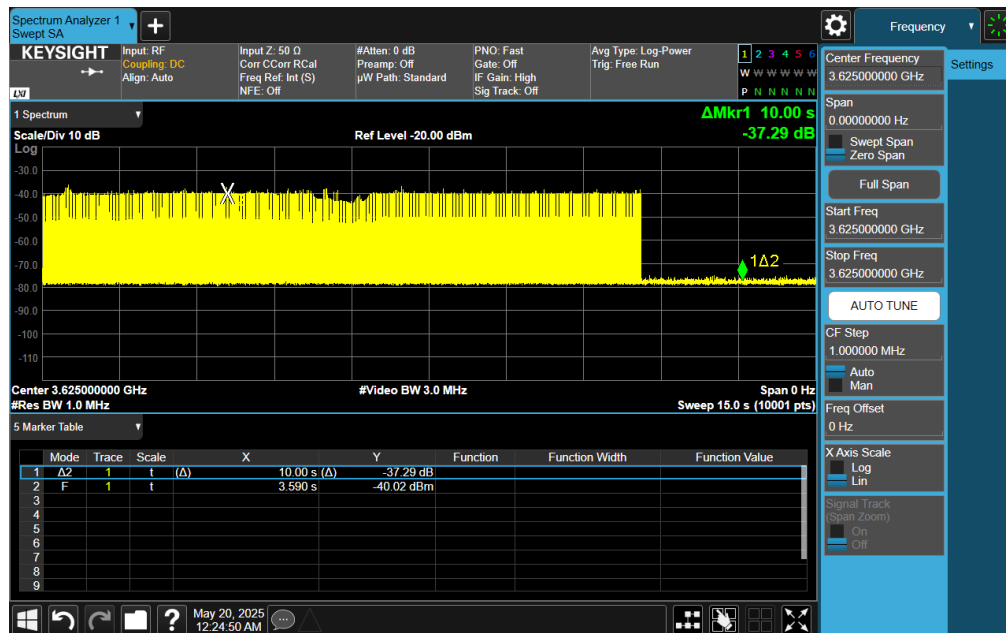
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Run#2 FR1-n48:

- 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: BCGA3361** complies with all the End User Device requirements of Part 96 of the FCC Rules.

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