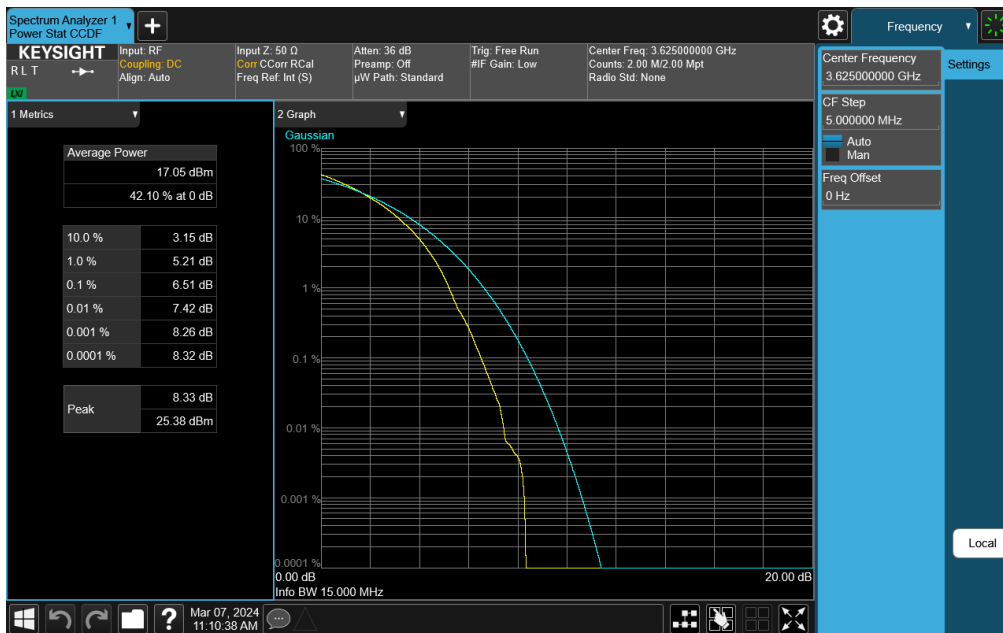

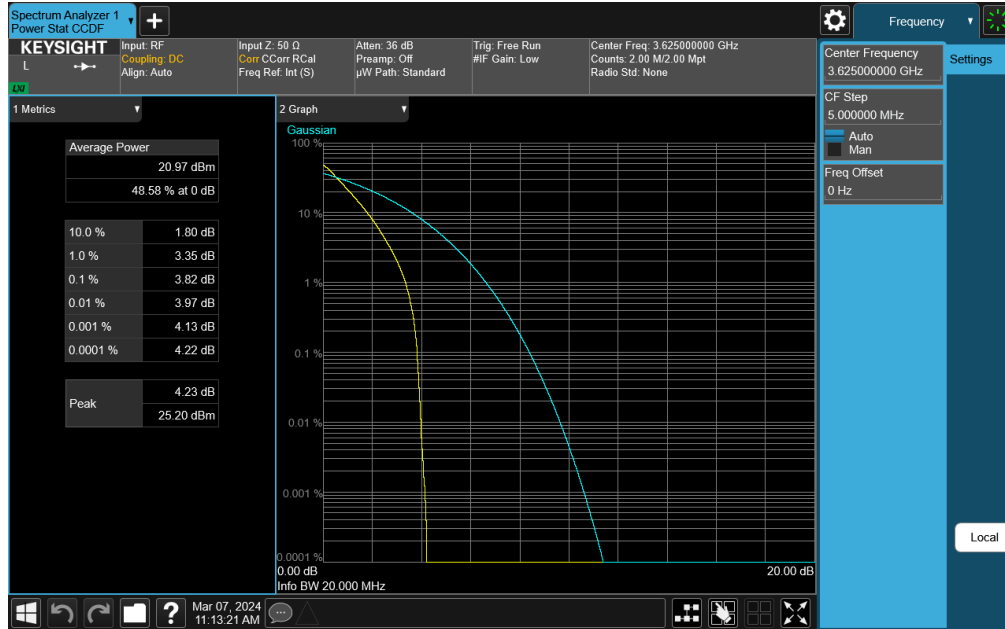


Plot 7-314. PAR Plot (NR Band n48 - DFT-s-OFDM 15MHz 64-QAM)

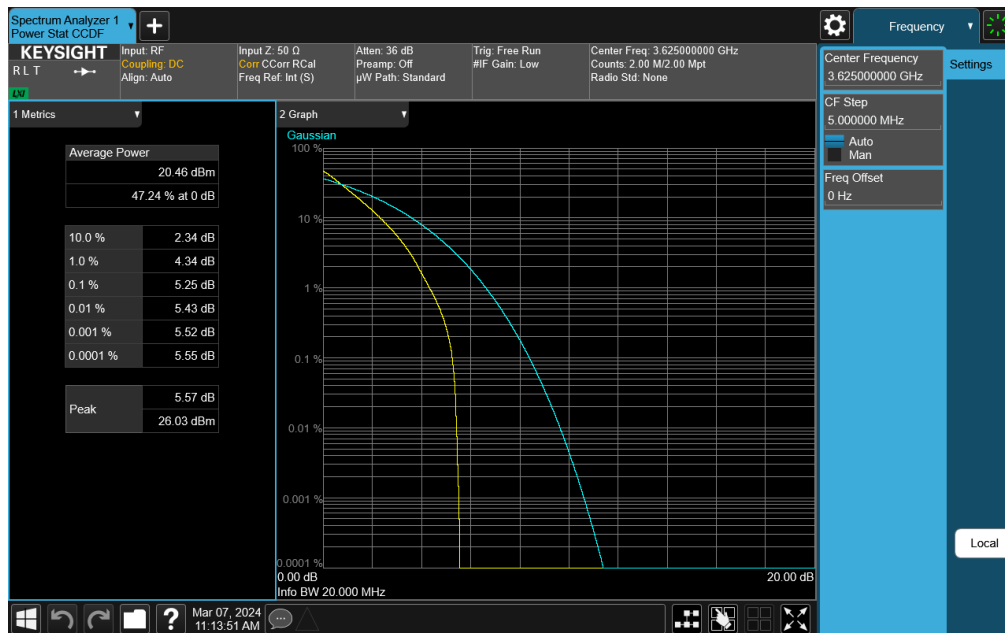


Plot 7-315. PAR Plot (NR Band n48 - DFT-s-OFDM 15MHz 256-QAM)


FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 176 of 222

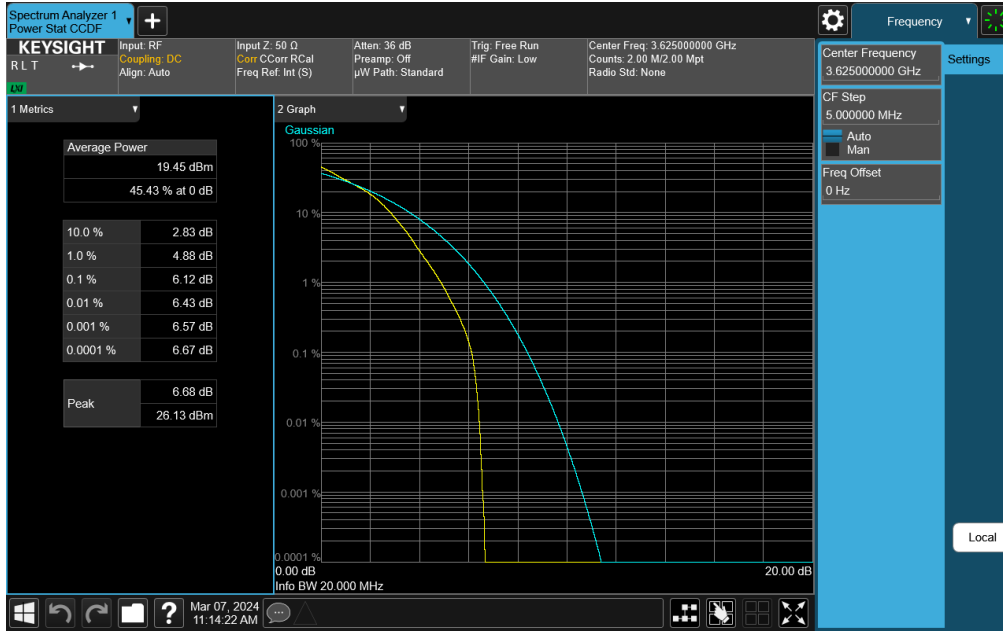


Plot 7-316. PAR Plot (NR Band n48 - DFT-s-OFDM 20MHz $\pi/2$ BPSK)

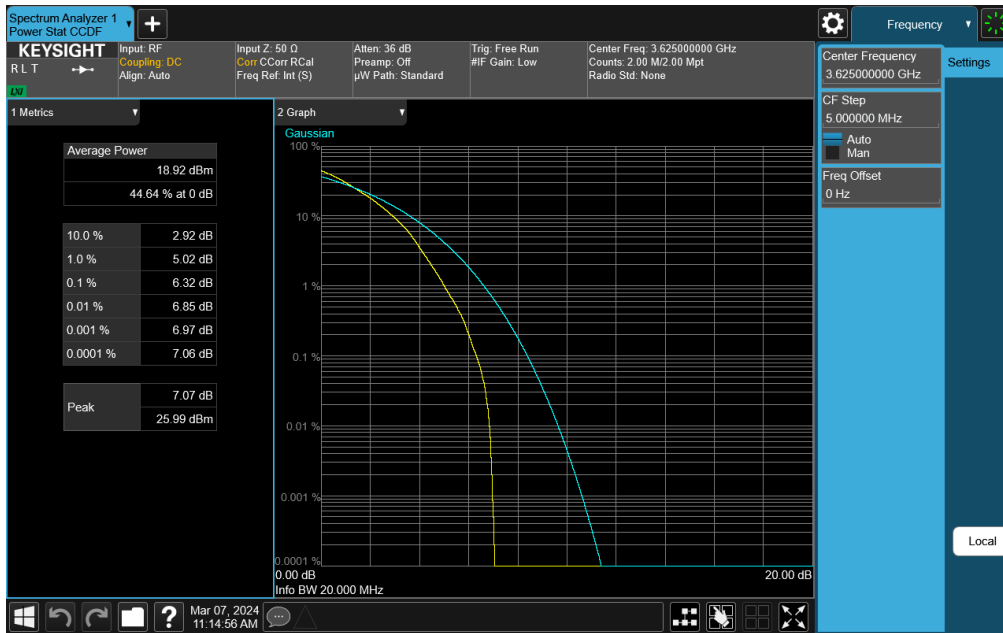


Plot 7-317. PAR Plot (NR Band n48 - DFT-s-OFDM 20MHz QPSK)

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 177 of 222

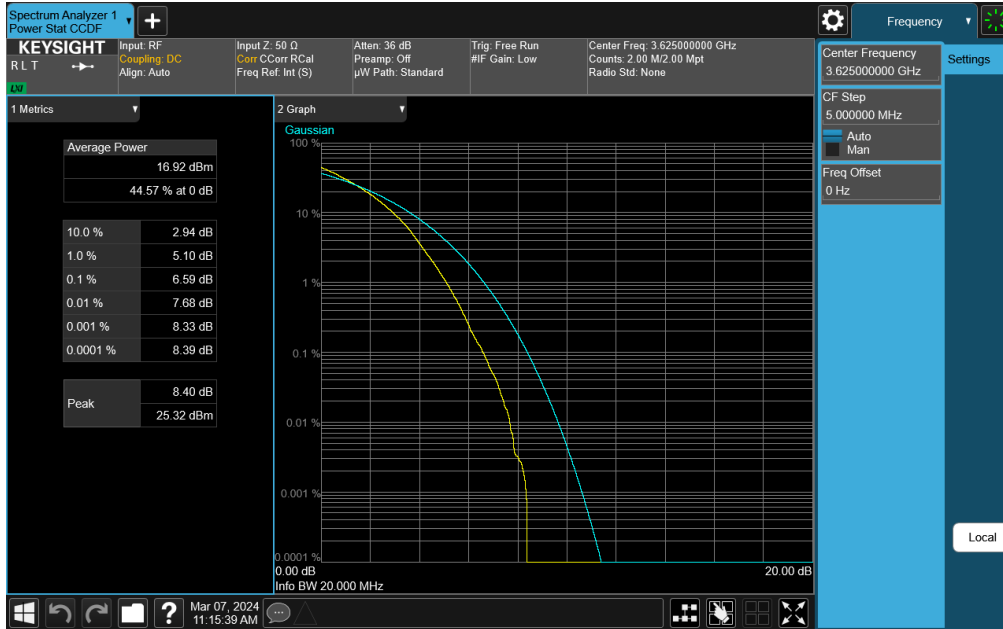


Plot 7-318. PAR Plot (NR Band n48 - DFT-s-OFDM 20MHz 16-QAM)

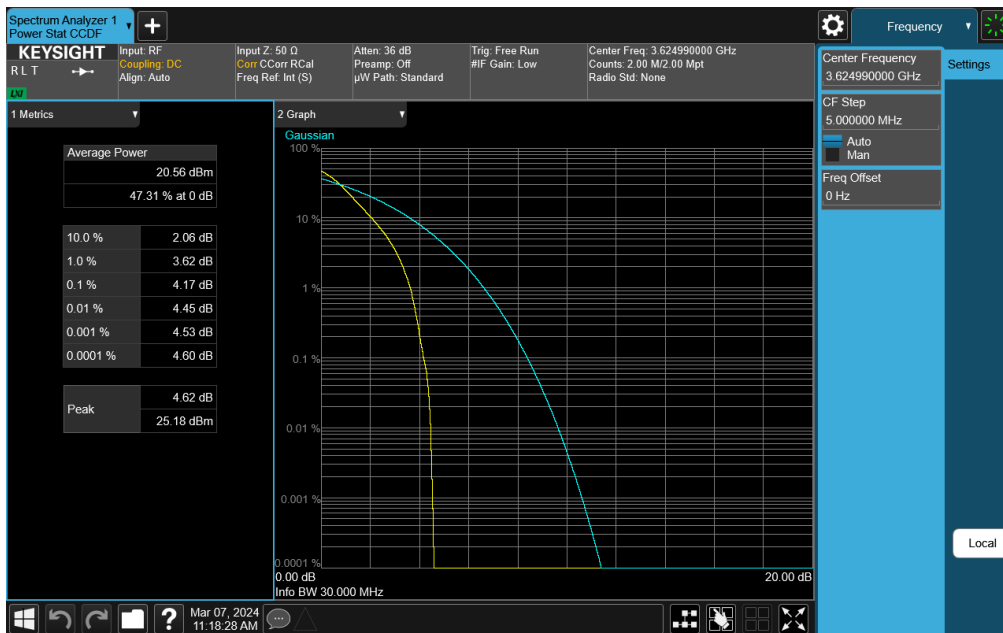


Plot 7-319. PAR Plot (NR Band n48 - DFT-s-OFDM 20MHz 64-QAM)

FCC ID: BCGA2926	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 178 of 222

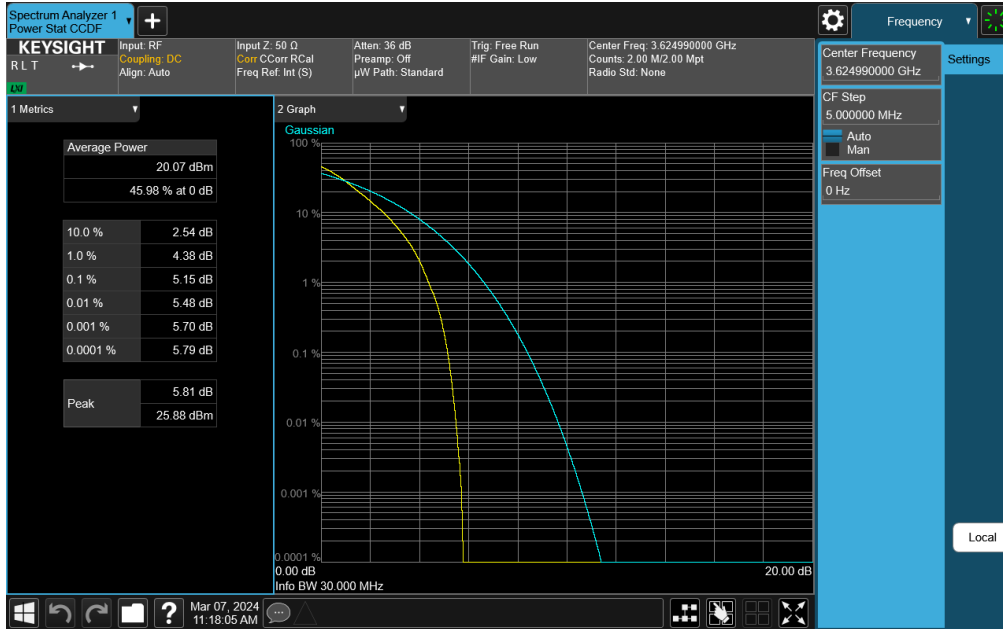


Plot 7-320. PAR Plot (NR Band n48 - DFT-s-OFDM 20MHz 256-QAM)

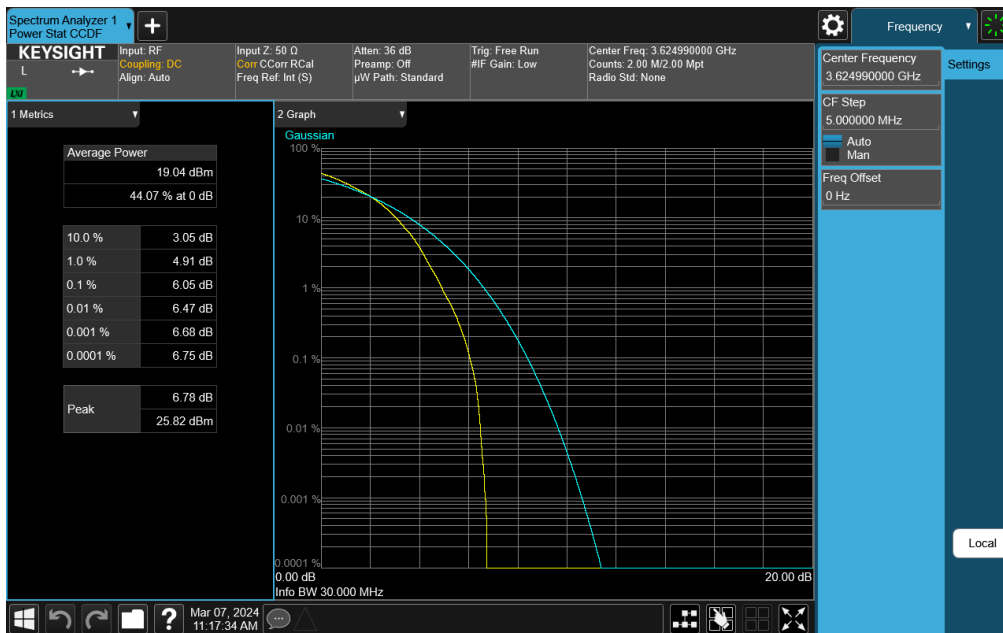


Plot 7-321. PAR Plot (NR Band n48 - DFT-s-OFDM 30MHz $\pi/2$ BPSK)

FCC ID: BCGA2926	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 179 of 222

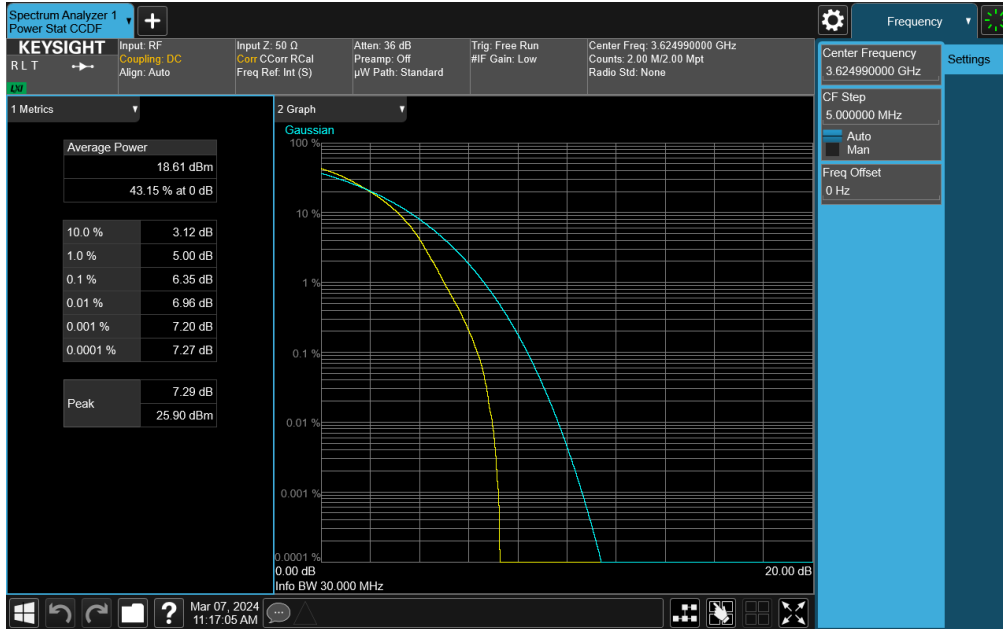


Plot 7-322. PAR Plot (NR Band n48 - DFT-s-OFDM 30MHz QPSK)

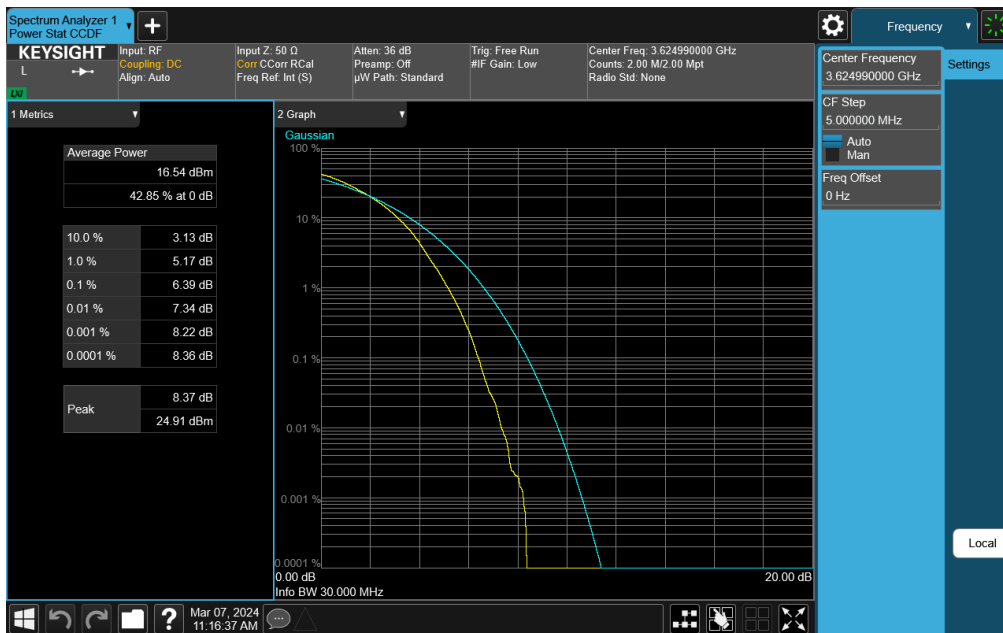


Plot 7-323. PAR Plot (NR Band n48 - DFT-s-OFDM 30MHz 16-QAM)

FCC ID: BCGA2926	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 180 of 222

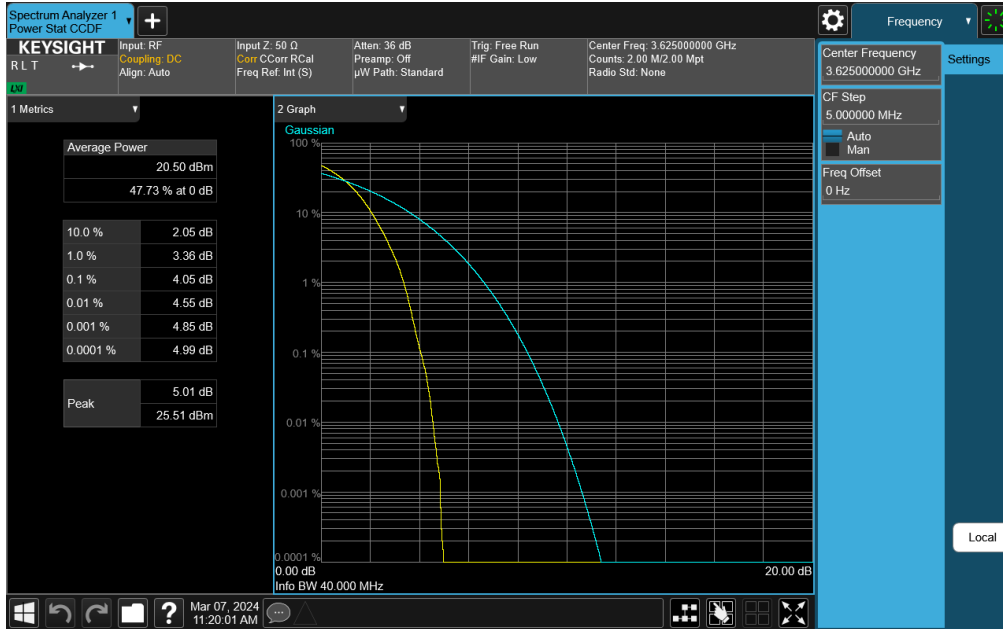


Plot 7-324. PAR Plot (NR Band n48 - DFT-s-OFDM 30MHz 64-QAM)

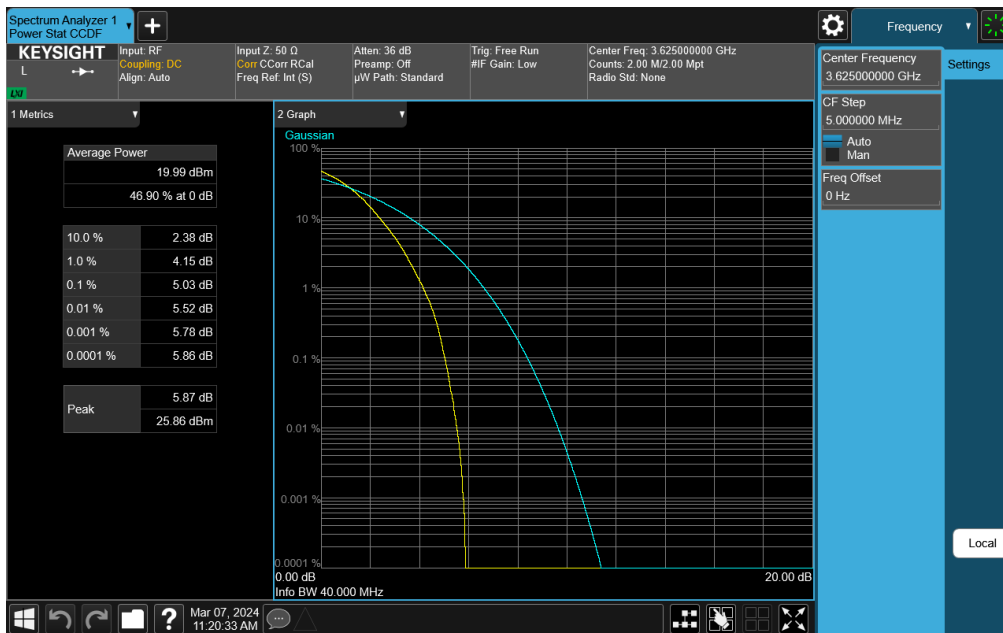


Plot 7-325. PAR Plot (NR Band n48 - DFT-s-OFDM 30MHz 256-QAM)


FCC ID: BCGA2926	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 181 of 222

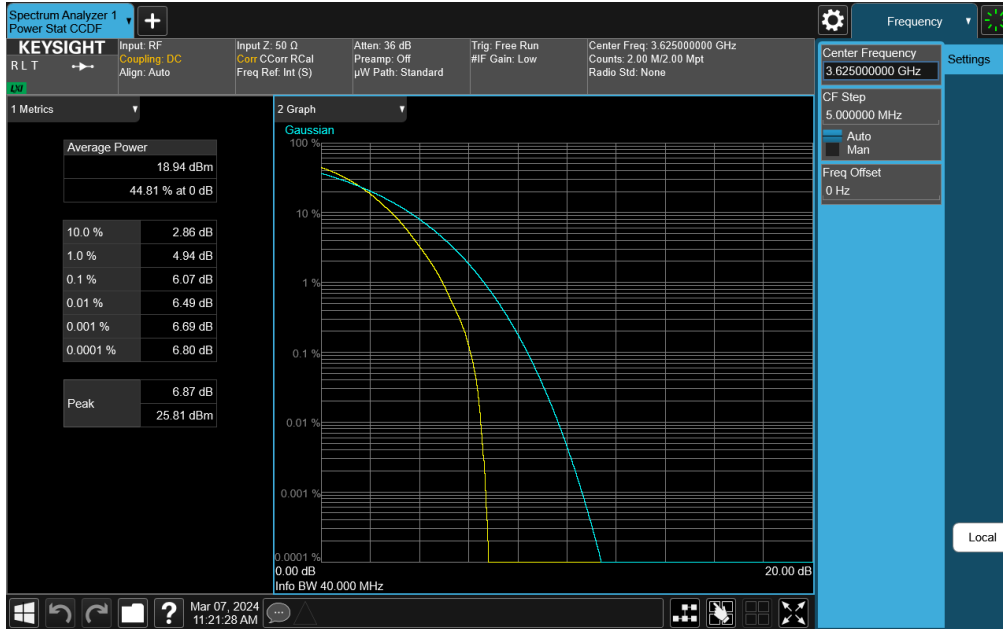


Plot 7-326. PAR Plot (NR Band n48 - DFT-s-OFDM 40MHz $\pi/2$ BPSK)

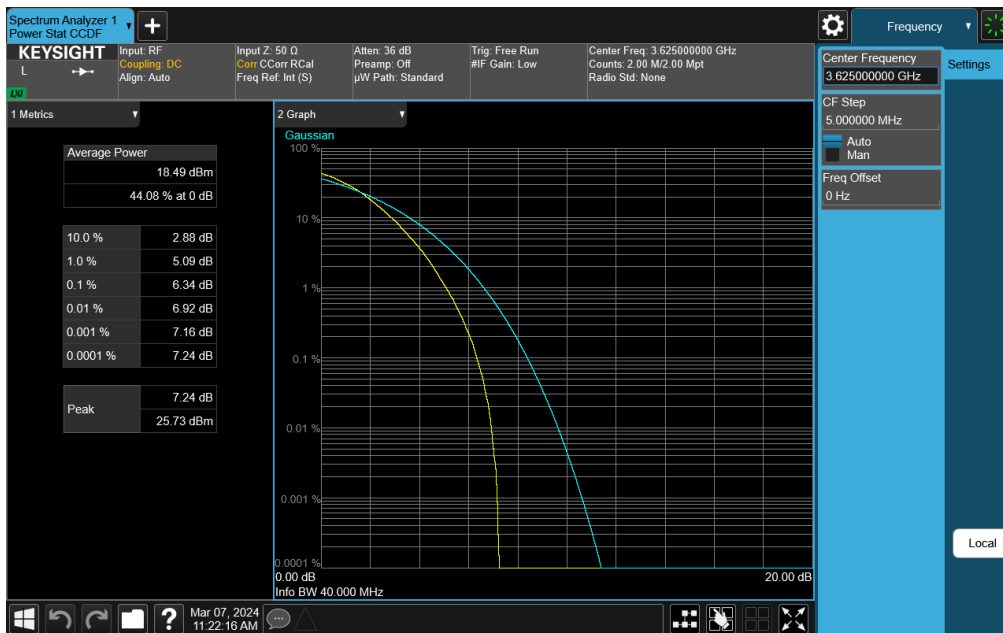


Plot 7-327. PAR Plot (NR Band n48 - DFT-s-OFDM 40MHz QPSK)

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 182 of 222

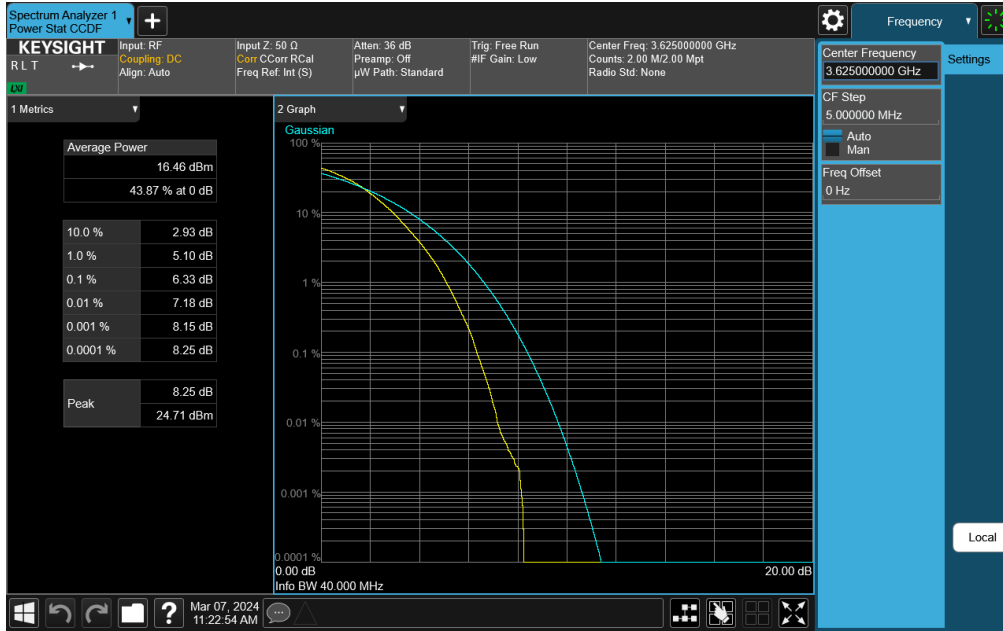


Plot 7-328. PAR Plot (NR Band n48 - DFT-s-OFDM 40MHz 16-QAM)




Plot 7-329. PAR Plot (NR Band n48 - DFT-s-OFDM 40MHz 64-QAM)

FCC ID: BCGA2926	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 183 of 222



Plot 7-330. PAR Plot (NR Band n48 - DFT-s-OFDM 40MHz 256-QAM)

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 184 of 222

V2.2 09/07/2023

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.

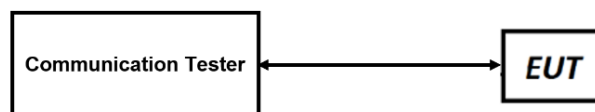




Figure 7-5. EIRP Measurement Setup

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 185 of 222

V2.2 09/07/2023

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.

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device	Page 186 of 222

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	22.10	22.50	0.178	23.00	-0.50
		3625.0	0.40	1 / 12	21.87	22.27	0.169	23.00	-0.73
		3697.5	0.40	1 / 24	21.97	22.37	0.173	23.00	-0.63
	16-QAM	3697.5	0.40	1 / 0	21.12	21.52	0.142	23.00	-1.48
	64-QAM	3697.5	0.40	1 / 24	20.12	20.52	0.113	23.00	-2.48
256-QAM	3697.5	0.40	1 / 12	17.21	17.61	0.058	23.00	-5.39	
10 MHz	QPSK	3555.0	0.40	1 / 25	22.02	22.42	0.175	23.00	-0.58
		3625.0	0.40	1 / 0	21.84	22.24	0.167	23.00	-0.76
		3695.0	0.40	1 / 49	22.10	22.50	0.178	23.00	-0.50
	16-QAM	3695.0	0.40	1 / 25	21.03	21.43	0.139	23.00	-1.57
	64-QAM	3625.0	0.40	1 / 49	20.13	20.53	0.113	23.00	-2.47
256-QAM	3695.0	0.40	1 / 25	17.18	17.58	0.057	23.00	-5.42	
15 MHz	QPSK	3557.5	0.40	1 / 74	22.04	22.44	0.175	23.00	-0.56
		3625.0	0.40	1 / 0	22.10	22.50	0.178	23.00	-0.50
		3692.5	0.40	1 / 37	22.05	22.45	0.176	23.00	-0.55
	16-QAM	3625.0	0.40	1 / 74	21.10	21.50	0.141	23.00	-1.50
	64-QAM	3557.5	0.40	1 / 74	20.01	20.41	0.110	23.00	-2.59
256-QAM	3557.5	0.40	1 / 37	17.13	17.53	0.057	23.00	-5.47	
20 MHz	QPSK	3560.0	0.40	1 / 50	21.96	22.36	0.172	23.00	-0.64
		3625.0	0.40	1 / 50	21.73	22.13	0.163	23.00	-0.87
		3690.0	0.40	1 / 0	21.70	22.10	0.162	23.00	-0.90
	16-QAM	3690.0	0.40	1 / 50	21.10	21.50	0.141	23.00	-1.50
	64-QAM	3625.0	0.40	1 / 50	20.08	20.48	0.112	23.00	-2.52
256-QAM	3625.0	0.40	1 / 50	17.16	17.56	0.057	23.00	-5.44	

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

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 187 of 222


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 / 12	22.07	22.47	0.177	23.00	-0.53
		3625.0	0.40	1 / 22	21.90	22.30	0.170	23.00	-0.70
		3695.0	0.40	1 / 1	22.05	22.45	0.176	23.00	-0.55
	QPSK	3555.0	0.40	1 / 22	22.10	22.50	0.178	23.00	-0.50
		3625.0	0.40	1 / 12	21.94	22.34	0.171	23.00	-0.66
		3695.0	0.40	1 / 1	21.98	22.38	0.173	23.00	-0.62
	16-QAM	3555.0	0.40	1 / 1	21.06	21.46	0.140	23.00	-1.54
	64-QAM	3695.0	0.40	1 / 22	19.98	20.38	0.109	23.00	-2.62
256-QAM	3555.0	0.40	1 / 12	17.18	17.58	0.057	23.00	-5.42	
15 MHz	π/2 BPSK	3557.5	0.40	1 / 19	21.92	22.32	0.171	23.00	-0.68
		3625.0	0.40	1 / 19	22.06	22.46	0.176	23.00	-0.54
		3692.5	0.40	1 / 1	22.03	22.43	0.175	23.00	-0.57
	QPSK	3557.5	0.40	1 / 19	21.97	22.37	0.173	23.00	-0.63
		3625.0	0.40	1 / 1	22.10	22.50	0.178	23.00	-0.50
		3692.5	0.40	1 / 36	21.76	22.16	0.164	23.00	-0.84
	16-QAM	3557.5	0.40	1 / 1	21.06	21.46	0.140	23.00	-1.54
	64-QAM	3625.0	0.40	1 / 19	20.00	20.40	0.110	23.00	-2.60
256-QAM	3625.0	0.40	1 / 1	17.21	17.61	0.058	23.00	-5.39	
20 MHz	π/2 BPSK	3560.0	0.40	1 / 1	21.98	22.38	0.173	23.00	-0.62
		3625.0	0.40	1 / 49	22.10	22.50	0.178	23.00	-0.50
		3690.0	0.40	1 / 49	22.02	22.42	0.175	23.00	-0.58
	QPSK	3560.0	0.40	1 / 49	22.01	22.41	0.174	23.00	-0.59
		3625.0	0.40	1 / 1	21.87	22.27	0.169	23.00	-0.73
		3690.0	0.40	1 / 25	21.97	22.37	0.173	23.00	-0.63
	16-QAM	3560.0	0.40	1 / 1	21.07	21.47	0.140	23.00	-1.53
	64-QAM	3690.0	0.40	1 / 25	20.10	20.50	0.112	23.00	-2.50
256-QAM	3625.0	0.40	1 / 25	17.22	17.62	0.058	23.00	-5.38	
30 MHz	π/2 BPSK	3565.0	0.40	1 / 76	21.90	22.30	0.170	23.00	-0.70
		3625.0	0.40	1 / 39	22.08	22.48	0.177	23.00	-0.52
		3685.0	0.40	1 / 76	21.87	22.27	0.169	23.00	-0.73
	QPSK	3565.0	0.40	1 / 39	22.04	22.44	0.175	23.00	-0.56
		3625.0	0.40	1 / 1	22.10	22.50	0.178	23.00	-0.50
		3685.0	0.40	1 / 39	22.02	22.42	0.175	23.00	-0.58
	16-QAM	3685.0	0.40	1 / 76	21.11	21.51	0.142	23.00	-1.49
	64-QAM	3625.0	0.40	1 / 1	20.12	20.52	0.113	23.00	-2.48
256-QAM	3565.0	0.40	1 / 39	17.22	17.62	0.058	23.00	-5.38	
40 MHz	π/2 BPSK	3570.0	0.40	1 / 104	22.01	22.41	0.174	23.00	-0.59
		3625.0	0.40	1 / 53	22.06	22.46	0.176	23.00	-0.54
		3680.0	0.40	1 / 104	21.87	22.27	0.169	23.00	-0.73
	QPSK	3570.0	0.40	1 / 104	22.05	22.45	0.176	23.00	-0.55
		3625.0	0.40	1 / 1	22.10	22.50	0.178	23.00	-0.50
		3680.0	0.40	1 / 1	21.94	22.34	0.171	23.00	-0.66
	16-QAM	3570.0	0.40	1 / 53	21.12	21.52	0.142	23.00	-1.48
	64-QAM	3625.0	0.40	1 / 1	20.11	20.51	0.112	23.00	-2.49
256-QAM	3625.0	0.40	1 / 53	17.21	17.61	0.058	23.00	-5.39	

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

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 188 of 222

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	22.10	0.40	0.178	23.00	-0.50	
				55990	3625.0	1	99		56107	3636.7	1	0	21.94	0.40	0.171	23.00	-0.66	
				56640	3690.0	1	0		56233	3678.3	1	24	21.90	0.40	0.170	23.00	-0.70	
			16-QAM	55340	3560	100	0	QPSK	55457	3571.7	25	0	21.08	0.40	0.141	23.00	-1.52	
				55340	3560	100	0	16-QAM	55457	3571.7	25	0	19.35	0.40	0.094	23.00	-3.25	
				55340	3560	100	0	64-QAM	55457	3571.7	25	0	18.40	0.40	0.076	23.00	-4.20	
				55340	3560	100	0	256-QAM	55457	3571.7	25	0	16.05	0.40	0.044	23.00	-6.55	
				55340	3560.0	1	99	55454	3574.4	1	0	21.85	0.40	0.168	23.00	-0.75		
				55990	3625.0	1	99	56134	3639.4	1	0	21.65	0.40	0.160	23.00	-0.95		
				56640	3690.0	1	0	56496	3675.6	1	49	21.88	0.40	0.169	23.00	-0.72		
Max	LTE B48	20MHz + 10MHz	QPSK	56640	3690	100	0	QPSK	56496	3675.6	50	0	20.94	0.40	0.136	23.00	-1.66	
				56640	3690	100	0		16-QAM	56496	3675.6	50	0	19.68	0.40	0.102	23.00	-2.92
				56640	3690	100	0		64-QAM	56496	3675.6	50	0	18.64	0.40	0.080	23.00	-3.96
			16-QAM	56640	3690	100	0	256-QAM	56496	3675.6	50	0	16.04	0.40	0.044	23.00	-6.56	
				55340	3560.0	1	99	55511	3577.1	1	0	22.09	0.40	0.177	23.00	-0.51		
				55990	3625.0	1	99	56161	3642.1	1	0	22.08	0.40	0.177	23.00	-0.52		
				56640	3690.0	1	0	56469	3672.9	1	74	22.06	0.40	0.176	23.00	-0.54		
				55340	3560	100	0	QPSK	55511	3577.1	75	0	21.02	0.40	0.138	23.00	-1.58	
				55340	3560	100	0	16-QAM	55511	3577.1	75	0	19.33	0.40	0.094	23.00	-3.27	
				55340	3560	100	0	64-QAM	55511	3577.1	75	0	18.89	0.40	0.085	23.00	-3.71	
Max	LTE B48	20MHz + 15MHz	QPSK	55340	3560	100	0	QPSK	55511	3577.1	75	0	15.42	0.40	0.038	23.00	-7.18	
				55340	3560.0	1	99		55538	3579.8	1	0	21.98	0.40	0.173	23.00	-0.62	
				55990	3625.0	1	99		56188	3644.8	1	0	22.04	0.40	0.175	23.00	-0.56	
			16-QAM	56640	3690.0	1	0	56442	3670.2	1	99	22.04	0.40	0.175	23.00	-0.56		
				55990	3625	100	0	QPSK	56188	3644.8	100	0	21.04	0.40	0.139	23.00	-1.56	
				55990	3625	100	0	16-QAM	56188	3644.8	100	0	19.32	0.40	0.094	23.00	-3.28	
				55990	3625	100	0	64-QAM	56188	3644.8	100	0	18.97	0.40	0.086	23.00	-3.63	
				55990	3625	100	0	256-QAM	56188	3644.8	100	0	15.38	0.40	0.038	23.00	-7.22	


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

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 189 of 222

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	0.20	1 / 0	22.08	22.28	0.169	23.00	-0.72
		3625.0	0.20	1 / 0	22.11	22.31	0.170	23.00	-0.69
		3697.5	0.20	1 / 0	22.28	22.48	0.177	23.00	-0.52
	16-QAM	3625.0	0.20	1 / 0	21.29	21.49	0.141	23.00	-1.51
	64-QAM	3697.5	0.20	1 / 12	20.16	20.36	0.109	23.00	-2.64
256-QAM	3697.5	0.20	1 / 24	17.32	17.52	0.056	23.00	-5.48	
10 MHz	QPSK	3555.0	0.20	1 / 25	21.96	22.16	0.164	23.00	-0.84
		3625.0	0.20	1 / 49	22.18	22.38	0.173	23.00	-0.62
		3695.0	0.20	1 / 0	22.22	22.42	0.175	23.00	-0.58
	16-QAM	3695.0	0.20	1 / 49	21.28	21.48	0.141	23.00	-1.52
	64-QAM	3695.0	0.20	1 / 0	20.16	20.36	0.109	23.00	-2.64
	256-QAM	3695.0	0.20	1 / 0	17.27	17.47	0.056	23.00	-5.53
15 MHz	QPSK	3557.5	0.20	1 / 74	22.13	22.33	0.171	23.00	-0.67
		3625.0	0.20	1 / 74	22.20	22.40	0.174	23.00	-0.60
		3692.5	0.20	1 / 74	21.99	22.19	0.166	23.00	-0.81
	16-QAM	3557.5	0.20	1 / 37	21.33	21.53	0.142	23.00	-1.47
	64-QAM	3692.5	0.20	1 / 37	20.34	20.54	0.113	23.00	-2.46
	256-QAM	3625.0	0.20	1 / 0	17.44	17.64	0.058	23.00	-5.36
20 MHz	QPSK	3560.0	0.20	1 / 99	22.11	22.31	0.170	23.00	-0.69
		3625.0	0.20	1 / 50	22.29	22.49	0.177	23.00	-0.51
		3690.0	0.20	1 / 0	22.20	22.40	0.174	23.00	-0.60
	16-QAM	3690.0	0.20	1 / 99	21.33	21.53	0.142	23.00	-1.47
	64-QAM	3690.0	0.20	1 / 50	20.29	20.49	0.112	23.00	-2.51
	256-QAM	3625.0	0.20	1 / 99	17.39	17.59	0.057	23.00	-5.41

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

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 190 of 222


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	0.20	1 / 1	22.20	22.40	0.174	23.00	-0.60
		3625.0	0.20	1 / 1	22.28	22.48	0.177	23.00	-0.52
		3695.0	0.20	1 / 12	22.30	22.50	0.178	23.00	-0.50
	QPSK	3555.0	0.20	1 / 12	22.24	22.44	0.175	23.00	-0.56
		3625.0	0.20	1 / 22	22.27	22.47	0.177	23.00	-0.53
		3695.0	0.20	1 / 22	22.23	22.43	0.175	23.00	-0.57
	16-QAM	3555.0	0.20	1 / 22	21.28	21.48	0.141	23.00	-1.52
64-QAM	3555.0	0.20	1 / 1	20.29	20.49	0.112	23.00	-2.51	
256-QAM	3695.0	0.20	1 / 1	17.30	17.50	0.056	23.00	-5.50	
15 MHz	π/2 BPSK	3557.5	0.20	1 / 1	22.09	22.29	0.169	23.00	-0.71
		3625.0	0.20	1 / 36	22.16	22.36	0.172	23.00	-0.64
		3692.5	0.20	1 / 36	22.18	22.38	0.173	23.00	-0.62
	QPSK	3557.5	0.20	1 / 36	22.26	22.46	0.176	23.00	-0.54
		3625.0	0.20	1 / 19	22.29	22.49	0.177	23.00	-0.51
		3692.5	0.20	1 / 36	22.30	22.50	0.178	23.00	-0.50
	16-QAM	3557.5	0.20	1 / 1	21.27	21.47	0.140	23.00	-1.53
64-QAM	3625.0	0.20	1 / 36	20.34	20.54	0.113	23.00	-2.46	
256-QAM	3625.0	0.20	1 / 19	17.42	17.62	0.058	23.00	-5.38	
20 MHz	π/2 BPSK	3560.0	0.20	1 / 49	22.30	22.50	0.178	23.00	-0.50
		3625.0	0.20	1 / 49	22.15	22.35	0.172	23.00	-0.65
		3690.0	0.20	1 / 49	22.14	22.34	0.171	23.00	-0.66
	QPSK	3560.0	0.20	1 / 49	21.98	22.18	0.165	23.00	-0.82
		3625.0	0.20	1 / 1	22.27	22.47	0.177	23.00	-0.53
		3690.0	0.20	1 / 25	22.19	22.39	0.173	23.00	-0.61
	16-QAM	3560.0	0.20	1 / 25	21.32	21.52	0.142	23.00	-1.48
64-QAM	3625.0	0.20	1 / 25	20.29	20.49	0.112	23.00	-2.51	
256-QAM	3625.0	0.20	1 / 25	17.45	17.65	0.058	23.00	-5.35	
30 MHz	π/2 BPSK	3565.0	0.20	1 / 1	22.18	22.38	0.173	23.00	-0.62
		3625.0	0.20	1 / 39	22.26	22.46	0.176	23.00	-0.54
		3685.0	0.20	1 / 1	22.27	22.47	0.177	23.00	-0.53
	QPSK	3565.0	0.20	1 / 39	22.28	22.48	0.177	23.00	-0.52
		3625.0	0.20	1 / 1	22.30	22.50	0.178	23.00	-0.50
		3685.0	0.20	1 / 1	22.29	22.49	0.177	23.00	-0.51
	16-QAM	3565.0	0.20	1 / 76	21.20	21.40	0.138	23.00	-1.60
64-QAM	3685.0	0.20	1 / 1	20.31	20.51	0.112	23.00	-2.49	
256-QAM	3685.0	0.20	1 / 39	17.40	17.60	0.058	23.00	-5.40	
40 MHz	π/2 BPSK	3570.0	0.20	1 / 1	22.18	22.38	0.173	23.00	-0.62
		3625.0	0.20	1 / 53	22.28	22.48	0.177	23.00	-0.52
		3680.0	0.20	1 / 104	22.25	22.45	0.176	23.00	-0.55
	QPSK	3570.0	0.20	1 / 1	22.30	22.50	0.178	23.00	-0.50
		3625.0	0.20	1 / 53	22.29	22.49	0.177	23.00	-0.51
		3680.0	0.20	1 / 53	22.26	22.46	0.176	23.00	-0.54
	16-QAM	3625.0	0.20	1 / 53	21.31	21.51	0.142	23.00	-1.49
64-QAM	3570.0	0.20	1 / 53	20.32	20.52	0.113	23.00	-2.48	
256-QAM	3570.0	0.20	1 / 1	17.39	17.59	0.057	23.00	-5.41	

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

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 191 of 222

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	22.09	0.20	22.29	0.169	23.00	-0.71
				55990	3625.0	1	99		55107	3636.7	1	0	22.01	0.20	22.21	0.166	23.00	-0.79
			QPSK	56640	3690.0	1	0	56523	3676.3	1	24	21.82	0.20	22.02	0.159	23.00	-0.98	
				55340	3560	100	0	QPSK	55457	3571.7	25	0	20.85	0.20	21.05	0.127	23.00	-1.95
			16-QAM	55340	3560	100	0	16-QAM	55457	3571.7	25	0	19.81	0.20	20.01	0.100	23.00	-2.99
			64-QAM	55340	3560	100	0	64-QAM	55457	3571.7	25	0	18.68	0.20	18.88	0.077	23.00	-4.12
256-QAM	55340	3560	100	0	256-QAM	55457	3571.7	25	0	15.40	0.20	15.60	0.036	23.00	-7.40			
Max	LTE B48	20MHz + 10MHz	QPSK	55340	3560.0	1	99	QPSK	55484	3574.4	1	0	22.01	0.20	22.21	0.166	23.00	-0.79
				55990	3625.0	1	99		56134	3639.4	1	0	22.07	0.20	22.27	0.169	23.00	-0.73
			QPSK	56640	3690.0	1	0	56496	3675.6	1	49	22.24	0.20	22.44	0.175	23.00	-0.56	
				56640	3690	100	0	QPSK	56496	3675.6	50	0	21.00	0.20	21.20	0.132	23.00	-1.80
			16-QAM	56640	3690	100	0	16-QAM	56496	3675.6	50	0	19.84	0.20	20.04	0.101	23.00	-2.96
			64-QAM	56640	3690	100	0	64-QAM	56496	3675.6	50	0	18.82	0.20	19.02	0.080	23.00	-3.98
256-QAM	56640	3690	100	0	256-QAM	56496	3675.6	50	0	15.76	0.20	15.96	0.039	23.00	-7.04			
Max	LTE B48	20MHz + 15MHz	QPSK	55340	3560.0	1	99	QPSK	55511	3577.1	1	0	21.97	0.20	22.17	0.165	23.00	-0.83
				55990	3625.0	1	99		56161	3642.1	1	0	22.26	0.20	22.46	0.176	23.00	-0.54
			QPSK	56640	3690.0	1	0	56469	3672.9	1	74	22.04	0.20	22.24	0.167	23.00	-0.76	
				55990	3625	100	0	QPSK	56161	3642.1	75	0	21.06	0.20	21.26	0.134	23.00	-1.74
			16-QAM	55990	3625	100	0	16-QAM	56161	3642.1	75	0	19.95	0.20	20.15	0.104	23.00	-2.85
			64-QAM	55990	3625	100	0	64-QAM	56161	3642.1	75	0	18.96	0.20	19.16	0.082	23.00	-3.84
256-QAM	55990	3625	100	0	256-QAM	56161	3642.1	75	0	15.74	0.20	15.94	0.039	23.00	-7.06			
Max	LTE B48	20MHz + 20MHz	QPSK	55340	3560.0	1	99	QPSK	55538	3579.8	1	0	21.89	0.20	22.09	0.162	23.00	-0.91
				55990	3625.0	1	99		56188	3644.8	1	0	22.19	0.20	22.39	0.173	23.00	-0.61
			QPSK	56640	3690.0	1	0	56442	3670.2	1	99	22.23	0.20	22.43	0.175	23.00	-0.57	
				56640	3690	100	0	QPSK	56442	3670.2	100	0	21.26	0.20	21.46	0.140	23.00	-1.54
			16-QAM	56640	3690	100	0	16-QAM	56442	3670.2	100	0	19.64	0.20	19.84	0.096	23.00	-3.16
			64-QAM	56640	3690	100	0	64-QAM	56442	3670.2	100	0	18.07	0.20	18.27	0.085	23.00	-3.73
256-QAM	56640	3690	100	0	256-QAM	56442	3670.2	100	0	15.65	0.20	15.85	0.038	23.00	-7.15			


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

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 192 of 222

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	-0.10	1 / 0	22.60	22.50	0.178	23.00	-0.50
		3625.0	-0.10	1 / 24	22.59	22.49	0.177	23.00	-0.51
		3697.5	-0.10	1 / 0	22.59	22.49	0.177	23.00	-0.51
	16-QAM	3697.5	-0.10	1 / 0	21.61	21.51	0.142	23.00	-1.49
	64-QAM	3625.0	-0.10	1 / 0	20.52	20.42	0.110	23.00	-2.58
256-QAM	3552.5	-0.10	1 / 12	17.60	17.50	0.056	23.00	-5.50	
10 MHz	QPSK	3555.0	-0.10	1 / 0	22.58	22.48	0.177	23.00	-0.52
		3625.0	-0.10	1 / 25	22.49	22.39	0.173	23.00	-0.61
		3695.0	-0.10	1 / 25	22.60	22.50	0.178	23.00	-0.50
	16-QAM	3695.0	-0.10	1 / 49	21.52	21.42	0.139	23.00	-1.58
	64-QAM	3555.0	-0.10	1 / 0	20.58	20.48	0.112	23.00	-2.52
	256-QAM	3555.0	-0.10	1 / 49	17.71	17.61	0.058	23.00	-5.39
15 MHz	QPSK	3557.5	-0.10	1 / 37	22.52	22.42	0.175	23.00	-0.58
		3625.0	-0.10	1 / 0	22.59	22.49	0.177	23.00	-0.51
		3692.5	-0.10	1 / 37	22.60	22.50	0.178	23.00	-0.50
	16-QAM	3692.5	-0.10	1 / 0	21.53	21.43	0.139	23.00	-1.57
	64-QAM	3692.5	-0.10	1 / 37	20.54	20.44	0.111	23.00	-2.56
	256-QAM	3692.5	-0.10	1 / 37	17.70	17.60	0.058	23.00	-5.40
20 MHz	QPSK	3560.0	-0.10	1 / 99	22.44	22.34	0.171	23.00	-0.66
		3625.0	-0.10	1 / 0	22.45	22.35	0.172	23.00	-0.65
		3690.0	-0.10	1 / 0	22.51	22.41	0.174	23.00	-0.59
	16-QAM	3625.0	-0.10	1 / 99	21.58	21.48	0.141	23.00	-1.52
	64-QAM	3625.0	-0.10	1 / 0	20.59	20.49	0.112	23.00	-2.51
	256-QAM	3690.0	-0.10	1 / 0	17.72	17.62	0.058	23.00	-5.38

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

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 193 of 222


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	1 / 12	22.51	22.41	0.174	23.00	-0.59
		3625.0	-0.10	1 / 22	22.59	22.49	0.177	23.00	-0.51
		3695.0	-0.10	1 / 22	22.26	22.16	0.164	23.00	-0.84
	QPSK	3555.0	-0.10	1 / 1	22.40	22.30	0.170	23.00	-0.70
		3625.0	-0.10	1 / 12	22.60	22.50	0.178	23.00	-0.50
		3695.0	-0.10	1 / 22	22.60	22.50	0.178	23.00	-0.50
	16-QAM	3625.0	-0.10	1 / 22	21.63	21.53	0.142	23.00	-1.47
64-QAM	3555.0	-0.10	1 / 1	20.64	20.54	0.113	23.00	-2.46	
256-QAM	3555.0	-0.10	1 / 1	17.74	17.64	0.058	23.00	-5.36	
15 MHz	π/2 BPSK	3557.5	-0.10	1 / 19	22.55	22.45	0.176	23.00	-0.55
		3625.0	-0.10	1 / 36	22.60	22.50	0.178	23.00	-0.50
		3692.5	-0.10	1 / 19	22.48	22.38	0.173	23.00	-0.62
	QPSK	3557.5	-0.10	1 / 36	22.60	22.50	0.178	23.00	-0.50
		3625.0	-0.10	1 / 1	22.60	22.50	0.178	23.00	-0.50
		3692.5	-0.10	1 / 1	22.29	22.19	0.166	23.00	-0.81
	16-QAM	3557.5	-0.10	1 / 19	21.47	21.37	0.137	23.00	-1.63
64-QAM	3557.5	-0.10	1 / 1	20.43	20.33	0.108	23.00	-2.67	
256-QAM	3625.0	-0.10	1 / 1	17.70	17.60	0.058	23.00	-5.40	
20 MHz	π/2 BPSK	3560.0	-0.10	1 / 49	22.60	22.50	0.178	23.00	-0.50
		3625.0	-0.10	1 / 1	22.48	22.38	0.173	23.00	-0.62
		3690.0	-0.10	1 / 25	22.37	22.27	0.169	23.00	-0.73
	QPSK	3560.0	-0.10	1 / 25	22.56	22.46	0.176	23.00	-0.54
		3625.0	-0.10	1 / 49	22.48	22.38	0.173	23.00	-0.62
		3690.0	-0.10	1 / 25	22.34	22.24	0.167	23.00	-0.76
	16-QAM	3560.0	-0.10	1 / 49	21.52	21.42	0.139	23.00	-1.58
64-QAM	3625.0	-0.10	1 / 25	20.52	20.42	0.110	23.00	-2.58	
256-QAM	3560.0	-0.10	1 / 25	17.74	17.64	0.058	23.00	-5.36	
30 MHz	π/2 BPSK	3565.0	-0.10	1 / 1	22.52	22.42	0.175	23.00	-0.58
		3625.0	-0.10	1 / 76	22.45	22.35	0.172	23.00	-0.65
		3685.0	-0.10	1 / 39	22.60	22.50	0.178	23.00	-0.50
	QPSK	3565.0	-0.10	1 / 1	22.59	22.49	0.177	23.00	-0.51
		3625.0	-0.10	1 / 1	22.37	22.27	0.169	23.00	-0.73
		3685.0	-0.10	1 / 76	22.43	22.33	0.171	23.00	-0.67
	16-QAM	3565.0	-0.10	1 / 1	21.59	21.49	0.141	23.00	-1.51
64-QAM	3685.0	-0.10	1 / 1	20.58	20.48	0.112	23.00	-2.52	
256-QAM	3565.0	-0.10	1 / 76	17.68	17.58	0.057	23.00	-5.42	
40 MHz	π/2 BPSK	3570.0	-0.10	1 / 1	22.60	22.50	0.178	23.00	-0.50
		3625.0	-0.10	1 / 53	22.49	22.39	0.173	23.00	-0.61
		3680.0	-0.10	1 / 53	22.49	22.39	0.173	23.00	-0.61
	QPSK	3570.0	-0.10	1 / 104	22.36	22.26	0.168	23.00	-0.74
		3625.0	-0.10	1 / 1	22.48	22.38	0.173	23.00	-0.62
		3680.0	-0.10	1 / 1	22.53	22.43	0.175	23.00	-0.57
	16-QAM	3680.0	-0.10	1 / 53	21.61	21.51	0.142	23.00	-1.49
64-QAM	3625.0	-0.10	1 / 104	20.57	20.47	0.111	23.00	-2.53	
256-QAM	3625.0	-0.10	1 / 104	17.65	17.55	0.057	23.00	-5.45	

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

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 194 of 222

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	22.23	-1.10	22.13	0.163	23.00	-0.87
				55990	3625.0	1	99		56107	3636.7	1	0	22.35	-1.10	22.25	0.168	23.00	-0.75
				56640	3690.0	1	0		56253	3678.3	1	24	22.42	-1.10	22.32	0.171	23.00	-0.68
			16-QAM	56640	3690	100	0	56253	3678.3	25	0	21.35	-1.10	21.25	0.133	23.00	-1.75	
				56640	3690	100	0	56253	3678.3	25	0	20.64	-1.10	20.54	0.113	23.00	-2.46	
				56640	3690	100	0	56253	3678.3	25	0	18.84	-1.10	18.74	0.075	23.00	-4.26	
				56640	3690	100	0	56253	3678.3	25	0	15.90	-1.10	15.80	0.038	23.00	-7.20	
Max	LTE B48	20MHz + 10MHz	QPSK	55340	3560.0	1	99	QPSK	55484	3574.4	1	0	22.27	-1.10	22.17	0.165	23.00	-0.83
				55990	3625.0	1	99		56134	3639.4	1	0	22.60	-1.10	22.50	0.178	23.00	-0.50
				56640	3690.0	1	0		56496	3675.6	1	49	22.41	-1.10	22.31	0.170	23.00	-0.69
			16-QAM	55990	3625	100	0	56134	3639.4	50	0	21.24	-1.10	21.14	0.130	23.00	-1.86	
				55990	3625	100	0	56134	3639.4	50	0	19.81	-1.10	19.71	0.094	23.00	-3.29	
				55990	3625	100	0	56134	3639.4	50	0	19.03	-1.10	18.93	0.078	23.00	-4.07	
				55990	3625	100	0	56134	3639.4	50	0	16.03	-1.10	15.93	0.039	23.00	-7.07	
Max	LTE B48	20MHz + 15MHz	QPSK	55340	3560.0	1	99	QPSK	55511	3577.1	1	0	22.53	-1.10	22.43	0.175	23.00	-0.57
				55990	3625.0	1	99		56161	3642.1	1	0	22.38	-1.10	22.28	0.169	23.00	-0.72
				56640	3690.0	1	0		56469	3672.9	1	74	22.60	-1.10	22.50	0.178	23.00	-0.50
			16-QAM	56640	3690	100	0	56469	3672.9	75	0	21.17	-1.10	21.07	0.128	23.00	-1.33	
				56640	3690	100	0	56469	3672.9	75	0	20.52	-1.10	20.42	0.110	23.00	-2.58	
				56640	3690	100	0	56469	3672.9	75	0	18.91	-1.10	18.81	0.076	23.00	-4.19	
				56640	3690	100	0	56469	3672.9	75	0	16.13	-1.10	16.03	0.040	23.00	-6.97	
Max	LTE B48	20MHz + 20MHz	QPSK	55340	3560.0	1	99	QPSK	55538	3579.8	1	0	22.30	-1.10	22.20	0.166	23.00	-0.80
				55990	3625.0	1	99		56188	3644.8	1	0	22.47	-1.10	22.37	0.173	23.00	-0.63
				56640	3690.0	1	0		56442	3670.2	1	99	22.54	-1.10	22.44	0.175	23.00	-0.56
			16-QAM	56640	3690	100	0	56442	3670.2	100	0	20.97	-1.10	20.87	0.122	23.00	-2.13	
				56640	3690	100	0	56442	3670.2	100	0	20.02	-1.10	19.92	0.098	23.00	-3.08	
				56640	3690	100	0	56442	3670.2	100	0	18.87	-1.10	18.77	0.075	23.00	-4.23	
				56640	3690	100	0	56442	3670.2	100	0	16.02	-1.10	15.92	0.039	23.00	-7.08	


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

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 195 of 222

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	-1.90	1 / 24	23.35	21.45	0.140	23.00	-1.55
		3625.0	-1.90	1 / 24	23.50	21.60	0.145	23.00	-1.40
		3697.5	-1.90	1 / 0	23.50	21.60	0.145	23.00	-1.40
	16-QAM	3552.5	-1.90	1 / 0	22.47	20.57	0.114	23.00	-2.43
	64-QAM	3697.5	-1.90	1 / 0	21.46	19.56	0.090	23.00	-3.44
256-QAM	3552.5	-1.90	1 / 0	18.58	16.68	0.047	23.00	-6.32	
10 MHz	QPSK	3555.0	-1.90	1 / 25	23.36	21.46	0.140	23.00	-1.54
		3625.0	-1.90	1 / 25	23.33	21.43	0.139	23.00	-1.57
		3695.0	-1.90	1 / 0	23.40	21.50	0.141	23.00	-1.50
	16-QAM	3555.0	-1.90	1 / 49	22.50	20.60	0.115	23.00	-2.40
		3695.0	-1.90	1 / 49	22.50	20.60	0.115	23.00	-2.40
	64-QAM	3555.0	-1.90	1 / 0	21.48	19.58	0.091	23.00	-3.42
256-QAM	3555.0	-1.90	1 / 49	18.56	16.66	0.046	23.00	-6.34	
15 MHz	QPSK	3557.5	-1.90	1 / 37	23.34	21.44	0.139	23.00	-1.56
		3625.0	-1.90	1 / 37	23.23	21.33	0.136	23.00	-1.67
		3692.5	-1.90	1 / 74	23.45	21.55	0.143	23.00	-1.45
	16-QAM	3625.0	-1.90	1 / 74	22.51	20.61	0.115	23.00	-2.39
	64-QAM	3625.0	-1.90	1 / 74	21.54	19.64	0.092	23.00	-3.36
256-QAM	3625.0	-1.90	1 / 37	18.60	16.70	0.047	23.00	-6.30	
20 MHz	QPSK	3560.0	-1.90	1 / 0	23.42	21.52	0.142	23.00	-1.48
		3625.0	-1.90	1 / 50	23.35	21.45	0.140	23.00	-1.55
		3690.0	-1.90	1 / 50	23.33	21.43	0.139	23.00	-1.57
	16-QAM	3560.0	-1.90	1 / 0	22.49	20.59	0.115	23.00	-2.41
	64-QAM	3560.0	-1.90	1 / 0	21.49	19.59	0.091	23.00	-3.41
256-QAM	3560.0	-1.90	1 / 50	18.45	16.55	0.045	23.00	-6.45	

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

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 196 of 222


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	-1.90	1 / 12	23.42	21.52	0.142	23.00	-1.48
		3625.0	-1.90	1 / 1	23.46	21.56	0.143	23.00	-1.44
		3695.0	-1.90	1 / 12	23.40	21.50	0.141	23.00	-1.50
	QPSK	3555.0	-1.90	1 / 22	23.18	21.28	0.134	23.00	-1.72
		3625.0	-1.90	1 / 22	23.50	21.60	0.145	23.00	-1.40
		3695.0	-1.90	1 / 22	23.34	21.44	0.139	23.00	-1.56
	16-QAM	3695.0	-1.90	1 / 22	22.58	20.68	0.117	23.00	-2.32
64-QAM	3695.0	-1.90	1 / 12	21.59	19.69	0.093	23.00	-3.31	
256-QAM	3695.0	-1.90	1 / 22	18.59	16.69	0.047	23.00	-6.31	
15 MHz	π/2 BPSK	3557.5	-1.90	1 / 36	23.21	21.31	0.135	23.00	-1.69
		3625.0	-1.90	1 / 36	23.28	21.38	0.137	23.00	-1.62
		3692.5	-1.90	1 / 19	23.44	21.54	0.143	23.00	-1.46
	QPSK	3557.5	-1.90	1 / 19	23.49	21.59	0.144	23.00	-1.41
		3625.0	-1.90	1 / 36	23.43	21.53	0.142	23.00	-1.47
		3692.5	-1.90	1 / 36	23.50	21.60	0.145	23.00	-1.40
	16-QAM	3625.0	-1.90	1 / 1	22.49	20.59	0.115	23.00	-2.41
64-QAM	3692.5	-1.90	1 / 1	21.46	19.56	0.090	23.00	-3.44	
256-QAM	3625.0	-1.90	1 / 1	18.63	16.73	0.047	23.00	-6.27	
20 MHz	π/2 BPSK	3560.0	-1.90	1 / 25	23.43	21.53	0.142	23.00	-1.47
		3625.0	-1.90	1 / 49	23.48	21.58	0.144	23.00	-1.42
		3690.0	-1.90	1 / 1	23.36	21.46	0.140	23.00	-1.54
	QPSK	3560.0	-1.90	1 / 1	23.47	21.57	0.144	23.00	-1.43
		3625.0	-1.90	1 / 1	23.50	21.60	0.145	23.00	-1.40
		3690.0	-1.90	1 / 1	23.46	21.56	0.143	23.00	-1.44
	16-QAM	3625.0	-1.90	1 / 49	22.56	20.66	0.116	23.00	-2.34
64-QAM	3690.0	-1.90	1 / 25	21.65	19.75	0.094	23.00	-3.25	
256-QAM	3560.0	-1.90	1 / 25	18.65	16.75	0.047	23.00	-6.25	
30 MHz	π/2 BPSK	3565.0	-1.90	1 / 76	23.30	21.40	0.138	23.00	-1.60
		3625.0	-1.90	1 / 76	23.38	21.48	0.141	23.00	-1.52
		3685.0	-1.90	1 / 1	23.48	21.58	0.144	23.00	-1.42
	QPSK	3565.0	-1.90	1 / 1	23.45	21.55	0.143	23.00	-1.45
		3625.0	-1.90	1 / 76	23.50	21.60	0.145	23.00	-1.40
		3685.0	-1.90	1 / 1	23.14	21.24	0.133	23.00	-1.76
	16-QAM	3565.0	-1.90	1 / 76	22.49	20.59	0.115	23.00	-2.41
64-QAM	3685.0	-1.90	1 / 39	21.47	19.57	0.091	23.00	-3.43	
256-QAM	3625.0	-1.90	1 / 76	18.59	16.69	0.047	23.00	-6.31	
40 MHz	π/2 BPSK	3570.0	-1.90	1 / 1	23.27	21.37	0.137	23.00	-1.63
		3625.0	-1.90	1 / 104	23.50	21.60	0.145	23.00	-1.40
		3680.0	-1.90	1 / 1	23.47	21.57	0.144	23.00	-1.43
	QPSK	3570.0	-1.90	1 / 53	23.21	21.31	0.135	23.00	-1.69
		3625.0	-1.90	1 / 53	23.24	21.34	0.136	23.00	-1.66
		3680.0	-1.90	1 / 1	23.46	21.56	0.143	23.00	-1.44
	16-QAM	3570.0	-1.90	1 / 1	22.50	20.60	0.115	23.00	-2.40
64-QAM	3625.0	-1.90	1 / 53	21.48	19.58	0.091	23.00	-3.42	
256-QAM	3680.0	-1.90	1 / 1	18.60	16.70	0.047	23.00	-6.30	

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

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 197 of 222

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	23.25	-1.90	21.35	0.136	23.00	-1.65		
				55990	3625.0	1	99		56107	3636.7	1	0	23.47	-1.90	21.57	0.144	23.00	-1.43		
				56640	3690.0	1	0		56253	3678.3	1	24	23.36	-1.90	21.46	0.140	23.00	-1.54		
				55990	3625	100	0		56107	3636.7	25	0	21.56	-1.90	19.66	0.092	23.00	-3.34		
			16-QAM	55990	3625	100	0	16-QAM	56107	3636.7	25	0	20.66	-1.90	18.76	0.075	23.00	-4.24		
			64-QAM	55990	3625	100	0	64-QAM	56107	3636.7	25	0	19.59	-1.90	17.69	0.059	23.00	-5.31		
			256-QAM	55990	3625	100	0	256-QAM	56107	3636.7	25	0	17.45	-1.90	15.55	0.036	23.00	-7.45		
			55340	3560.0	1	99	55484	3574.4	1	0	23.42	-1.90	21.52	0.142	23.00	-1.48				
Max	LTE B48	20MHz + 10MHz	QPSK	55990	3625.0	1	99	QPSK	56134	3639.4	1	0	23.12	-1.90	21.22	0.132	23.00	-1.78		
				56640	3690.0	1	0		56496	3675.6	1	49	23.02	-1.90	21.12	0.129	23.00	-1.88		
				55340	3560	100	0		55484	3574.4	50	0	22.08	-1.90	20.18	0.104	23.00	-2.82		
				16-QAM	55340	3560	100		0	16-QAM	55484	3574.4	50	0	21.50	-1.90	19.60	0.091	23.00	-3.40
			64-QAM	55340	3560	100	0	64-QAM	55484	3574.4	50	0	19.98	-1.90	18.08	0.064	23.00	-4.92		
			256-QAM	55340	3560	100	0	256-QAM	55484	3574.4	50	0	17.04	-1.90	15.14	0.033	23.00	-7.86		
			55340	3560.0	1	99	55511	3577.1	1	0	23.12	-1.90	21.22	0.132	23.00	-1.78				
			55990	3625.0	1	99	56161	3642.1	1	0	23.13	-1.90	21.23	0.133	23.00	-1.77				
Max	LTE B48	20MHz + 15MHz	QPSK	56640	3690.0	1	0	QPSK	56469	3672.9	1	74	23.32	-1.90	21.42	0.139	23.00	-1.55		
				55990	3625	100	0		56469	3672.9	75	0	22.49	-1.90	20.59	0.115	23.00	-2.41		
				16-QAM	56640	3690	100		0	16-QAM	56469	3672.9	75	0	20.86	-1.90	18.96	0.079	23.00	-4.04
				64-QAM	56640	3690	100		0	64-QAM	56469	3672.9	75	0	19.84	-1.90	17.94	0.062	23.00	-5.06
			256-QAM	56640	3690	100	0	256-QAM	56469	3672.9	75	0	17.53	-1.90	15.63	0.037	23.00	-7.37		
			55340	3560.0	1	99	55538	3579.8	1	0	23.33	-1.90	21.43	0.139	23.00	-1.57				
			55990	3625.0	1	99	56188	3644.8	1	0	23.50	-1.90	21.60	0.145	23.00	-1.40				
			56640	3690.0	1	0	56442	3670.2	1	99	23.27	-1.90	21.37	0.137	23.00	-1.63				
Max	LTE B48	20MHz + 20MHz	QPSK	55990	3625	100	0	QPSK	56188	3644.8	100	0	22.11	-1.90	20.21	0.105	23.00	-2.79		
				16-QAM	55990	3625	100		0	16-QAM	56188	3644.8	100	0	20.72	-1.90	18.82	0.076	23.00	-4.18
				64-QAM	55990	3625	100		0	64-QAM	56188	3644.8	100	0	19.77	-1.90	17.87	0.061	23.00	-5.13
				256-QAM	55990	3625	100		0	256-QAM	56188	3644.8	100	0	17.18	-1.90	15.28	0.034	23.00	-7.72

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

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 198 of 222

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

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device	Page 199 of 222

V2.2 09/07/2023

Test Setup

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

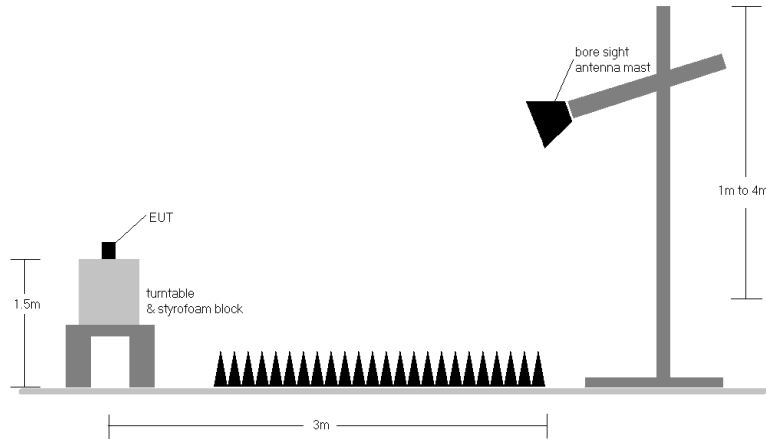



Figure 7-6. Test Instrument & Measurement Setup

Test Notes

1. Field strengths are calculated using the Measurement quantity conversions in KDB 971168 Section 5.8.4.
 - a. $E(\text{dB}\mu\text{V}/\text{m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b. $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V}/\text{m}) + 20\log D - 104.8$; where D is the measurement distance in meters.
2. The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below. 1RB config was found and reported as a worst case RB size.
3. This unit was tested with its standard battery.
4. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
5. 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.
6. The "-" shown in the following RSE tables are used to denote a noise floor 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. 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.
9. 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.

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 200 of 222

V2.2 09/07/2023

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	-	-	-78.00	5.53	34.53	-60.73	-40.00	-20.73
10680.0	H	-	-	-78.11	7.99	36.88	-58.38	-40.00	-18.38
14240.0	H	-	-	-79.66	11.98	39.33	-55.93	-40.00	-15.93

Table 7-13. Antenna 3 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	-	-	-77.32	5.38	35.06	-60.19	-40.00	-20.19
10875.0	H	-	-	-78.72	8.55	36.83	-58.43	-40.00	-18.43
14500.0	H	-	-	-79.45	12.26	39.81	-55.45	-40.00	-15.45

Table 7-14. Antenna 3 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	-	-	-77.07	5.23	35.16	-60.09	-40.00	-20.09
11070.0	H	-	-	-78.60	8.27	36.67	-58.59	-40.00	-18.59
14760.0	H	-	-	-80.00	13.19	40.19	-55.07	-40.00	-15.07

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

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 201 of 222

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	-	-	-80.08	8.58	35.50	-59.76	-40.00	-19.76
10680.0	H	-	-	-80.99	10.82	36.83	-58.43	-40.00	-18.43
14240.0	H	-	-	-80.66	14.47	40.82	-54.44	-40.00	-14.44

Table 7-16. Antenna 3 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	-	-	-80.11	8.65	35.54	-59.71	-40.00	-19.71
10875.0	H	-	-	-80.41	11.70	38.30	-56.96	-40.00	-16.96
14500.0	H	-	-	-81.16	16.36	42.20	-53.06	-40.00	-13.06

Table 7-17. Antenna 3 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	-	-	-79.98	8.48	35.51	-59.75	-40.00	-19.75
11070.0	H	-	-	-80.25	11.90	38.65	-56.61	-40.00	-16.61
14760.0	H	-	-	-80.97	15.97	42.00	-53.25	-40.00	-13.25

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

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 202 of 222

V2.2 09/07/2023

NR Band n48

Bandwidth (MHz):	40
Frequency (MHz):	3570.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 53

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]
7140.0	H	-	-	-79.21	9.29	37.09	-58.17	-40.00	-18.17
10710.0	H	-	-	-80.77	10.87	37.10	-58.16	-40.00	-18.16
14280.0	H	-	-	-81.61	14.53	39.92	-55.34	-40.00	-15.34

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

Bandwidth (MHz):	40
Frequency (MHz):	3625.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 53


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	-	-	-78.91	8.68	36.76	-58.49	-40.00	-18.49
10875.0	H	-	-	-80.57	11.34	37.77	-57.49	-40.00	-17.49
14500.0	H	-	-	-81.24	13.93	39.69	-55.57	-40.00	-15.57

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

Bandwidth (MHz):	40
Frequency (MHz):	3680.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 53

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	-	-	-78.86	8.61	36.76	-58.50	-40.00	-18.50
11070.0	H	-	-	-81.58	11.82	37.24	-58.02	-40.00	-18.02
14760.0	H	-	-	-81.29	14.95	40.66	-54.60	-40.00	-14.60

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

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 203 of 222

V2.2 09/07/2023

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 [dB μ V/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7120.0	H	-	-	-78.09	5.53	34.43	-60.82	-40.00	-20.82
10680.0	H	-	-	-78.42	8.03	36.61	-58.65	-40.00	-18.65
14240.0	H	-	-	-79.77	12.07	39.30	-55.96	-40.00	-15.96

Table 7-22. Antenna 1 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7250.0	H	-	-	-78.08	5.38	34.30	-60.95	-40.00	-20.95
10875.0	H	-	-	-78.41	8.45	37.04	-58.22	-40.00	-18.22
14500.0	H	-	-	-79.92	12.38	39.46	-55.80	-40.00	-15.80

Table 7-23. Antenna 1 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7380.0	H	-	-	-77.76	5.23	34.47	-60.79	-40.00	-20.79
11070.0	H	-	-	-78.65	8.27	36.62	-58.64	-40.00	-18.64
14760.0	H	-	-	-80.26	13.19	39.93	-55.32	-40.00	-15.32

Table 7-24. Antenna 1 Radiated Spurious Data (LTE Band 48 – High Channel)

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 204 of 222

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	-	-	-80.04	8.58	35.54	-59.71	-40.00	-19.71
10680.0	H	-	-	-80.67	10.88	37.21	-58.05	-40.00	-18.05
14240.0	H	-	-	-80.25	14.27	41.02	-54.24	-40.00	-14.24

Table 7-25. Antenna 1 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	-	-	-79.84	8.50	35.67	-59.59	-40.00	-19.59
10875.0	H	-	-	-80.53	11.70	38.17	-57.09	-40.00	-17.09
14500.0	H	-	-	-80.97	16.35	42.38	-52.88	-40.00	-12.88

Table 7-26. Antenna 1 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	-	-	-80.00	8.42	35.42	-59.84	-40.00	-19.84
11070.0	H	-	-	-80.50	11.90	38.39	-56.87	-40.00	-16.87
14760.0	H	-	-	-80.78	15.97	42.20	-53.06	-40.00	-13.06

Table 7-27. Antenna 1 Radiated Spurious Data (ULCA LTE Band 48– High Channel)

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 205 of 222

V2.2 09/07/2023

NR Band n48

Bandwidth (MHz):	40
Frequency (MHz):	3570.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 53

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7140.0	H	-	-	-79.18	9.29	37.11	-58.14	-40.00	-18.14
10710.0	H	-	-	-80.65	10.87	37.23	-58.03	-40.00	-18.03
14280.0	H	-	-	-81.49	14.51	40.02	-55.24	-40.00	-15.24

Table 7-28. Antenna 1 Radiated Spurious Data (NR Band n48 – Low Channel)

Bandwidth (MHz):	40
Frequency (MHz):	3625.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 53


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7250.0	H	-	-	-78.86	8.68	36.82	-58.44	-40.00	-18.44
10875.0	H	-	-	-80.57	11.34	37.77	-57.48	-40.00	-17.48
14500.0	H	-	-	-81.06	13.85	39.78	-55.48	-40.00	-15.48

Table 7-29. Antenna 1 Radiated Spurious Data (NR Band n48 – Mid Channel)

Bandwidth (MHz):	40
Frequency (MHz):	3680.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 53

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7380.0	H	-	-	-78.93	8.61	36.69	-58.57	-40.00	-18.57
11070.0	H	-	-	-81.44	11.77	37.33	-57.93	-40.00	-17.93
14760.0	H	-	-	-81.29	14.97	40.68	-54.58	-40.00	-14.58

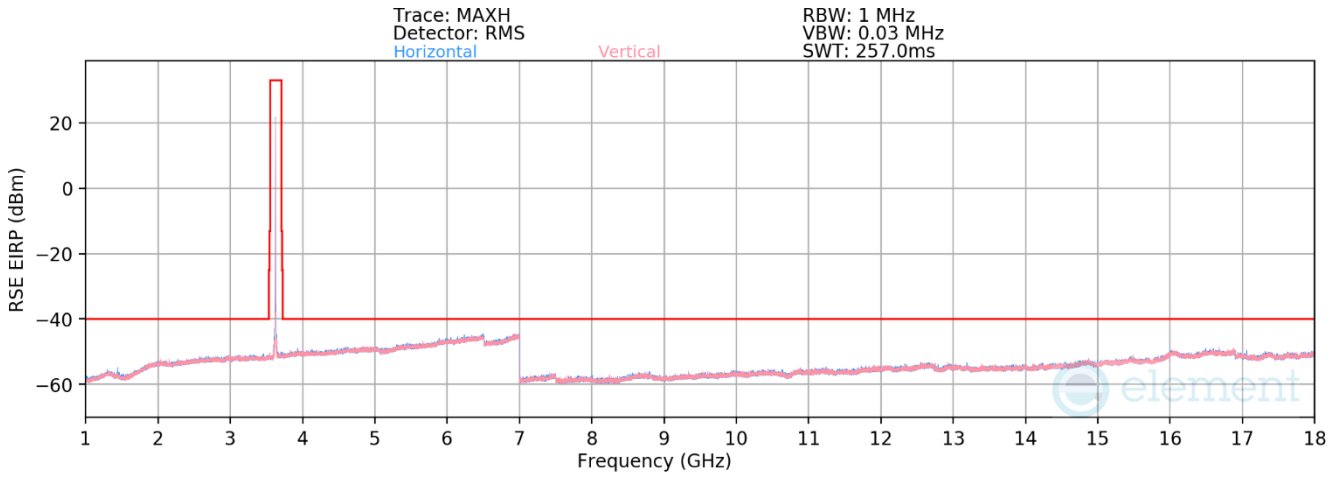
Table 7-30. Antenna 1 Radiated Spurious Data (NR Band n48 – High Channel)

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 206 of 222

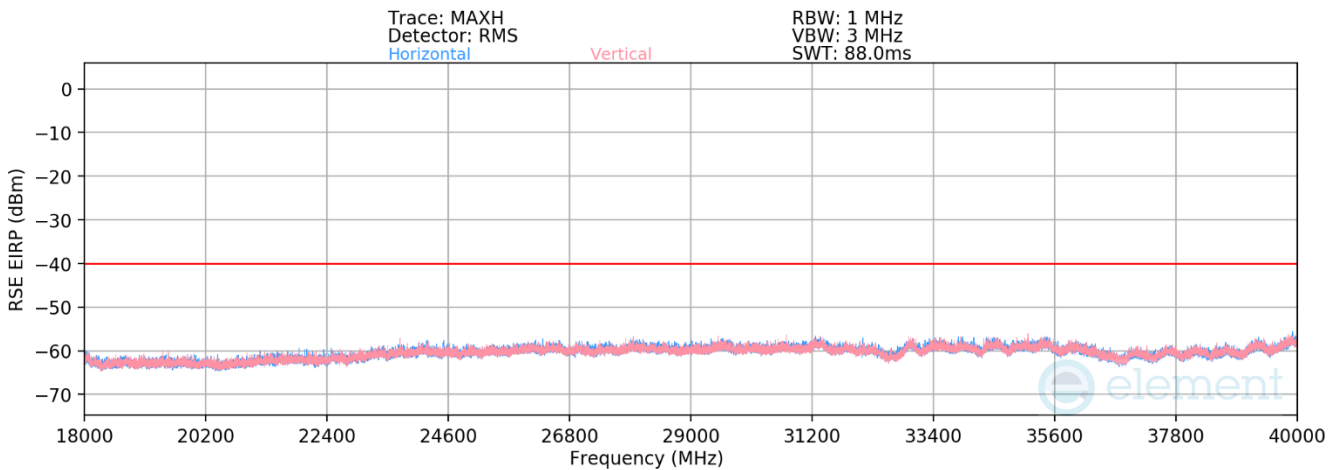
V2.2 09/07/2023

7.7.3 Antenna 4b Radiated Spurious Emissions Measurements


LTE Band 48



Plot 7-331. Antenna 4b Radiated Spurious Plot 1 – 18GHz (LTE Band 48)



Plot 7-332. Antenna 4b Radiated Spurious Plot 18 – 40GHz (LTE Band 48)

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device	Page 207 of 222

V2.2 09/07/2023

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	-	-	-78.16	5.53	34.37	-60.89	-40.00	-20.89
10680.0	H	-	-	-78.32	8.03	36.71	-58.55	-40.00	-18.55
14240.0	H	-	-	-80.07	12.07	39.00	-56.26	-40.00	-16.26

Table 7-31. Antenna 4b 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	-	-	-78.23	5.41	34.18	-61.08	-40.00	-21.08
10875.0	H	-	-	-78.78	8.69	36.91	-58.35	-40.00	-18.35
14500.0	H	-	-	-79.90	12.44	39.54	-55.72	-40.00	-15.72

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

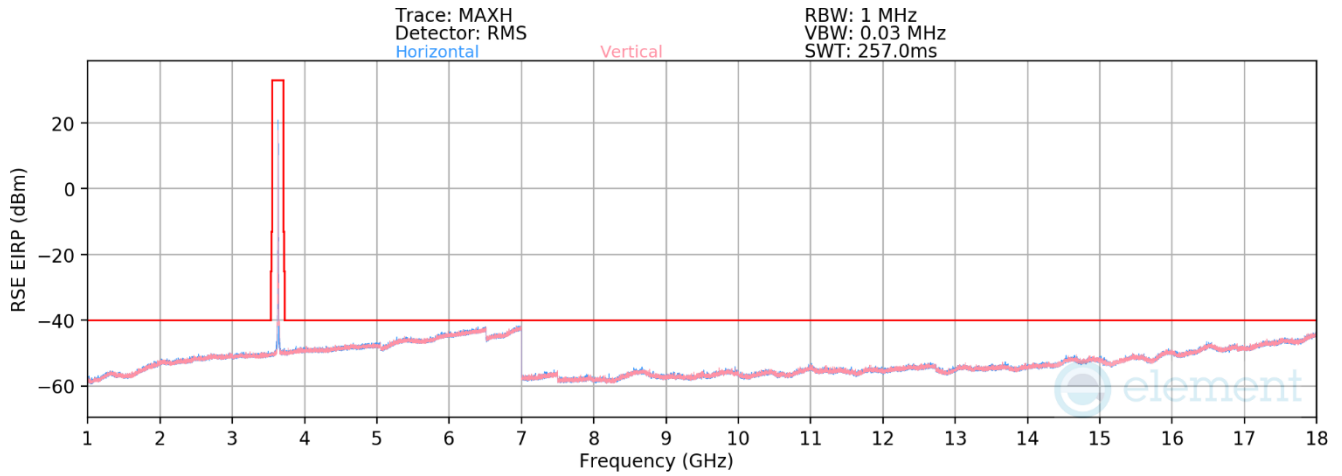
Bandwidth (MHz):	20
Frequency (MHz):	3690.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 50

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	-	-	-77.83	5.23	34.40	-60.85	-40.00	-20.85
11070.0	H	-	-	-78.53	8.27	36.73	-58.52	-40.00	-18.52
14760.0	H	-	-	-80.00	13.19	40.19	-55.07	-40.00	-15.07

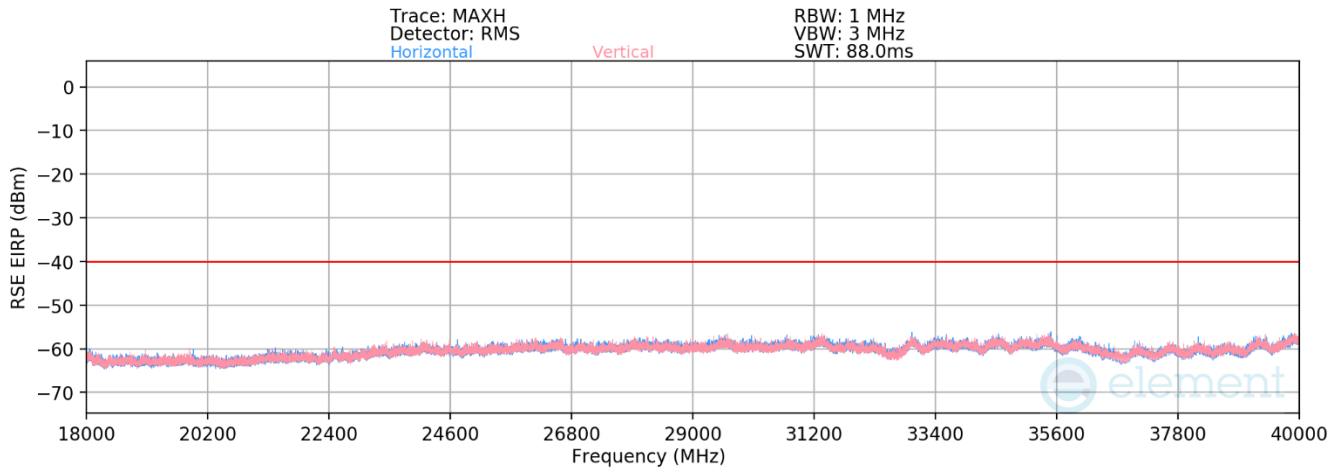
Table 7-33. Antenna 4b Radiated Spurious Data (LTE Band 48 – High Channel)

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 208 of 222


ULCA LTE Band 48



Plot 7-333. Antenna 4b Radiated Spurious Plot 1 – 18GHz (ULCA LTE Band 48)



Plot 7-334. Antenna 4b Radiated Spurious Plot 18 – 40GHz (ULCA LTE Band 48)

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device	Page 209 of 222

V2.2 09/07/2023

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	-	-	-83.96	8.97	32.01	-63.25	-40.00	-23.25
10680.0	H	-	-	-85.16	10.88	32.72	-62.54	-40.00	-22.54
14240.0	H	-	-	-86.38	14.41	35.03	-60.22	-40.00	-20.22

Table 7-34. Antenna 4b 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	-	-	-81.95	8.52	33.57	-61.69	-40.00	-21.69
10875.0	H	-	-	-83.41	11.64	35.23	-60.03	-40.00	-20.03
14500.0	H	-	-	-84.82	16.19	38.37	-56.89	-40.00	-16.89

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

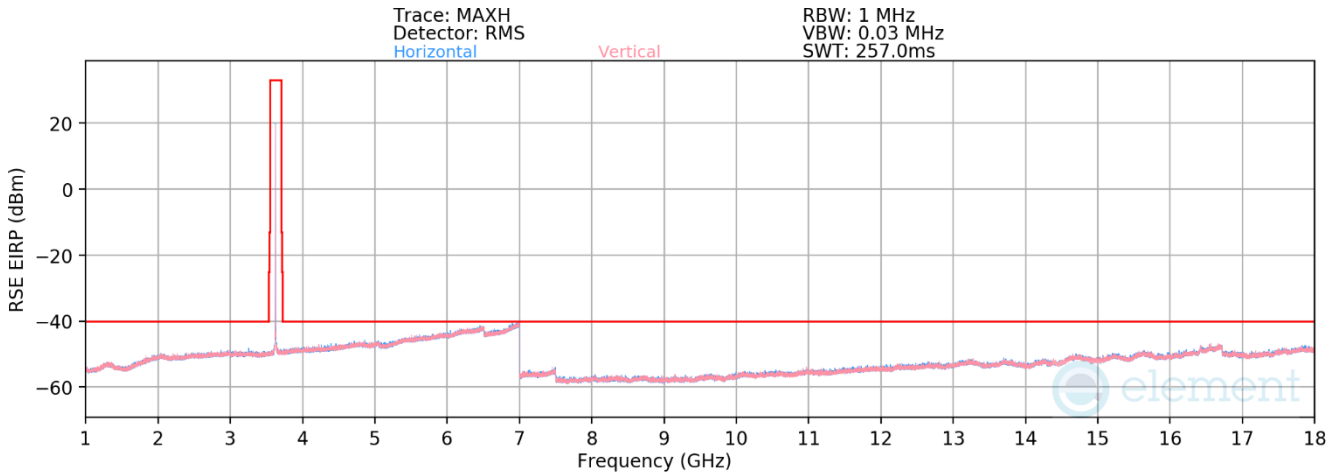
PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	3690.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	3670.2
SCC RB / Offset:	1 / 0
Modulation Signal:	QPSK

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	-	-	-81.71	8.63	33.92	-61.34	-40.00	-21.34
11070.0	H	-	-	-83.50	11.49	34.99	-60.27	-40.00	-20.27
14760.0	H	-	-	-85.22	15.61	37.39	-57.86	-40.00	-17.86

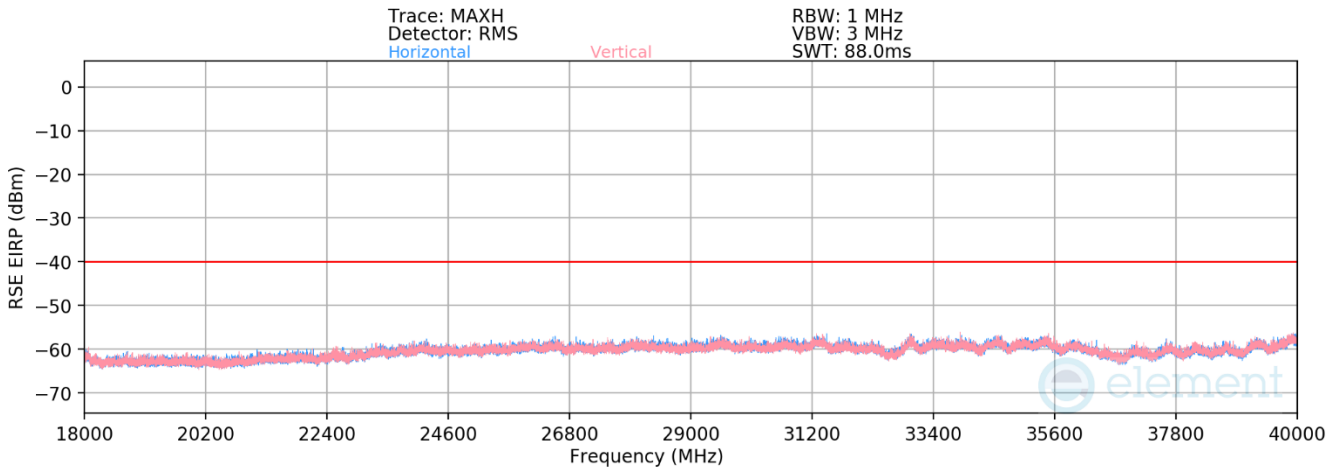
Table 7-36. Antenna 4b Radiated Spurious Data (ULCA LTE Band 48– High Channel)

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 210 of 222


NR Band n48



Plot 7-335. Antenna 4b Radiated Spurious Plot 1 – 18GHz (NR Band n48)



Plot 7-336. Antenna 4b Radiated Spurious Plot 18 – 40GHz (NR Band n48)

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 211 of 222

V2.2 09/07/2023

Bandwidth (MHz):	40
Frequency (MHz):	3570.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 53

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]
7140.0	H	-	-	-79.31	9.29	36.98	-58.28	-40.00	-18.28
10710.0	H	-	-	-80.81	10.87	37.06	-58.20	-40.00	-18.20
14280.0	H	-	-	-81.71	14.53	39.82	-55.44	-40.00	-15.44

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

Bandwidth (MHz):	40
Frequency (MHz):	3625.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 53


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	-	-	-78.89	8.68	36.79	-58.47	-40.00	-18.47
10875.0	H	-	-	-80.64	11.34	37.70	-57.55	-40.00	-17.55
14500.0	H	-	-	-81.12	13.93	39.81	-55.45	-40.00	-15.45

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

Bandwidth (MHz):	40
Frequency (MHz):	3680.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 53

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	-	-	-79.07	8.61	36.55	-58.71	-40.00	-18.71
11070.0	H	-	-	-81.34	11.77	37.43	-57.83	-40.00	-17.83
14760.0	H	-	-	-81.36	14.95	40.59	-54.67	-40.00	-14.67

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

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 212 of 222

7.7.4 Antenna 2b 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7120.0	H	-	-	-78.21	5.53	34.31	-60.94	-40.00	-20.94
10680.0	H	-	-	-78.31	8.03	36.71	-58.55	-40.00	-18.55
14240.0	H	-	-	-79.76	11.98	39.23	-56.03	-40.00	-16.03

Table 7-40. Antenna 2b 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7250.0	H	-	-	-78.05	5.41	34.36	-60.90	-40.00	-20.90
10875.0	H	-	-	-78.55	8.45	36.90	-58.36	-40.00	-18.36
14500.0	H	-	-	-79.98	12.26	39.28	-55.98	-40.00	-15.98

Table 7-41. Antenna 2b 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 [dB μ V/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7380.0	H	-	-	-77.81	5.16	34.35	-60.91	-40.00	-20.91
11070.0	H	-	-	-78.44	8.27	36.83	-58.43	-40.00	-18.43
14760.0	H	-	-	-80.02	13.19	40.17	-55.08	-40.00	-15.08

Table 7-42. Antenna 2b Radiated Spurious Data (LTE Band 48 – High Channel)

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 213 of 222

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	-	-	-82.20	8.97	33.77	-59.70	-40.00	-19.70
10680.0	H	-	-	-83.26	10.88	34.62	-58.36	-40.00	-18.36
14240.0	H	-	-	-84.48	14.41	36.93	-54.69	-40.00	-14.69

Table 7-43. Antenna 2b 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	-	-	-81.93	8.52	33.59	-59.81	-40.00	-19.81
10875.0	H	-	-	-83.42	11.64	35.22	-57.33	-40.00	-17.33
14500.0	H	-	-	-84.94	16.19	38.25	-53.24	-40.00	-13.24

Table 7-44. Antenna 2b 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	-	-	-81.61	8.63	34.02	-59.86	-40.00	-19.86
11070.0	H	-	-	-83.36	11.49	35.13	-57.04	-40.00	-17.04
14760.0	H	-	-	-84.85	15.61	37.76	-53.88	-40.00	-13.88

Table 7-45. Antenna 2b Radiated Spurious Data (ULCA LTE Band 48– High Channel)

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 214 of 222

V2.2 09/07/2023

NR Band n48

Bandwidth (MHz):	40
Frequency (MHz):	3570.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 53

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7140.0	H	-	-	-79.11	9.29	37.18	-58.08	-40.00	-18.08
10710.0	H	-	-	-80.76	10.87	37.11	-58.15	-40.00	-18.15
14280.0	H	-	-	-81.63	14.53	39.90	-55.35	-40.00	-15.35

Table 7-46. Antenna 2b Radiated Spurious Data (NR Band n48 – Low Channel)

Bandwidth (MHz):	40
Frequency (MHz):	3625.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 53


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7250.0	H	-	-	-78.76	8.68	36.91	-58.34	-40.00	-18.34
10875.0	H	-	-	-80.81	11.34	37.53	-57.72	-40.00	-17.72
14500.0	H	-	-	-80.85	13.85	40.00	-55.26	-40.00	-15.26

Table 7-47. Antenna 2b Radiated Spurious Data (NR Band n48 – Mid Channel)

Bandwidth (MHz):	40
Frequency (MHz):	3680.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 53

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
7380.0	H	-	-	-78.82	8.61	36.79	-58.47	-40.00	-18.47
11070.0	H	-	-	-81.30	11.77	37.47	-57.79	-40.00	-17.79
14760.0	H	-	-	-81.31	14.95	40.63	-54.62	-40.00	-14.62

Table 7-48. Antenna 2b Radiated Spurious Data (NR Band n48 – High Channel)

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 215 of 222

V2.2 09/07/2023

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

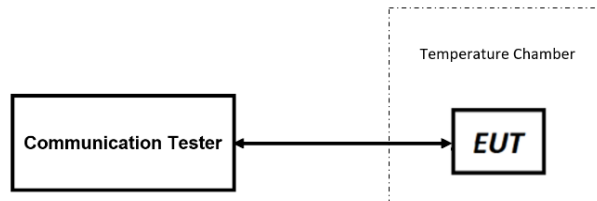



Figure 7-7. Test Instrument & Measurement Setup

Test Notes

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

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device	Page 216 of 222

V2.2 09/07/2023


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	3.550685365	-0.000685365
		- 20	3.550686455	-0.000686455
		- 10	3.550686156	-0.000686156
		0	3.550687622	-0.000687622
		+ 10	3.550687312	-0.000687312
		+ 20 (Ref)	3.550686648	-0.000686648
		+ 30	3.550686648	-0.000686648
		+ 40	3.550686584	-0.000686584
		+ 50	3.550684578	-0.000684578
Battery Endpoint	3.40	+ 20	3.550686565	-0.000686565

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	3.699445464	-0.000554536
		- 20	3.699445781	-0.000554219
		- 10	3.699445489	-0.000554511
		0	3.699445698	-0.000554302
		+ 10	3.699446217	-0.000553783
		+ 20 (Ref)	3.699446392	-0.000553608
		+ 30	3.699445846	-0.000554154
		+ 40	3.699446745	-0.000553255
		+ 50	3.699446933	-0.000553067
Battery Endpoint	3.40	+ 20	3.699446681	-0.000553319

Table 50. LTE Band 48 Upper Boundary Frequency Stability Data

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 217 of 222


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	3.550414339	-0.000414339
		- 20	3.550412456	-0.000412456
		- 10	3.550416159	-0.000416159
		0	3.550413785	-0.000413785
		+ 10	3.550413658	-0.000413658
		+ 20 (Ref)	3.550414561	-0.000414561
		+ 30	3.550414813	-0.000414813
		+ 40	3.550415329	-0.000415329
Battery Endpoint	3.40	+ 20	3.550413671	-0.000413671

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	3.699738735	-0.000261265
		- 20	3.699737461	-0.000262539
		- 10	3.699736952	-0.000263048
		0	3.699736687	-0.000263313
		+ 10	3.699738287	-0.000261713
		+ 20 (Ref)	3.699738364	-0.000261636
		+ 30	3.699736197	-0.000263803
		+ 40	3.699735369	-0.000264631
Battery Endpoint	3.40	+ 20	3.699735998	-0.000264002

Table 52. NR Band n48 Upper Boundary Frequency Stability Data

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 218 of 222

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 3615MHz – 3635MHz.
 - b. Enable AP service from Ruckus Cloud management.
 - c. Check EUT Tx frequency.
 - d. Disable AP service from Ruckus Cloud management 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 Ruckus Cloud management.
 - c. Check EUT Tx frequency.
 - d. Disable AP service from Ruckus Cloud management and check EUT stop transmission within 10s.

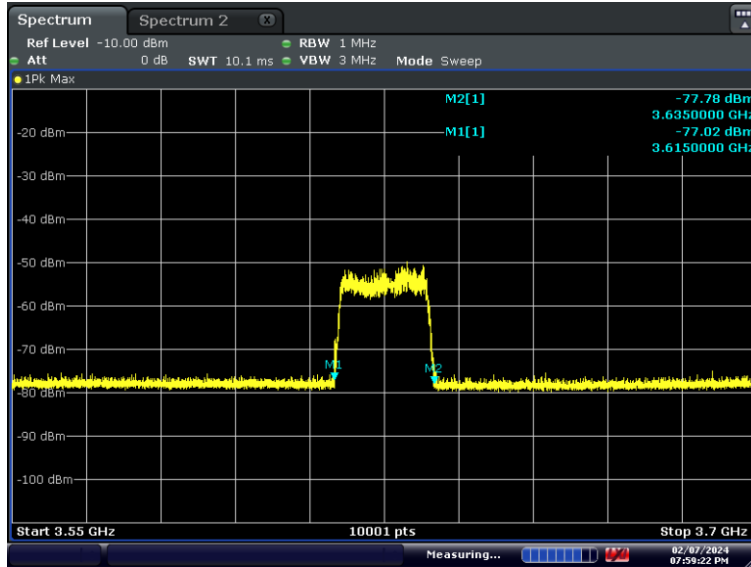
Test Notes

The EUT is an End User Device.

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device	Page 219 of 222

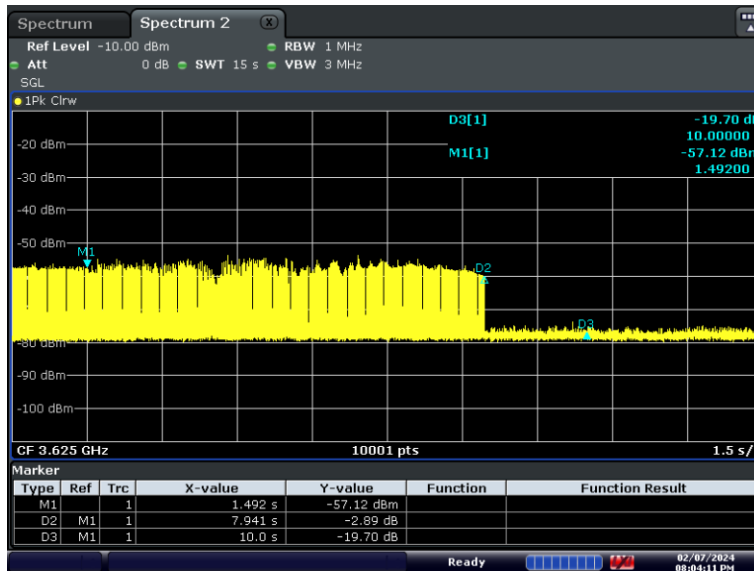
Run#1 LTE-B48:

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



Peak

Plot 7-337. Run#1 End User Device Frequency of Operations



Peak

Plot 7-338. Run#1 End User Device Discontinues Operations within 10s

Note:

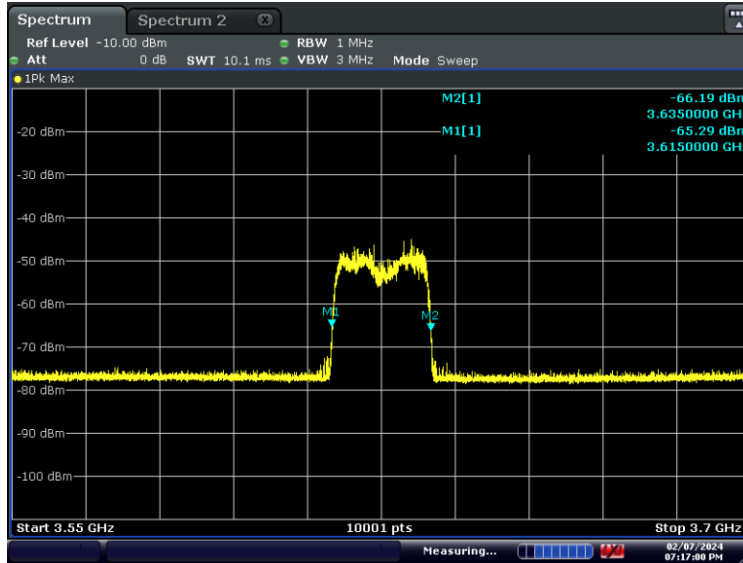
- Marker 1: CBSD sends instructions to discontinue LTE operations.
- Marker 2: EUT discontinues operation.
- Marker 3: 10 seconds elapsed time from CBSD sending instructions to EUT.

FCC ID: BCGA2926	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 220 of 222

V2.2 09/07/2023

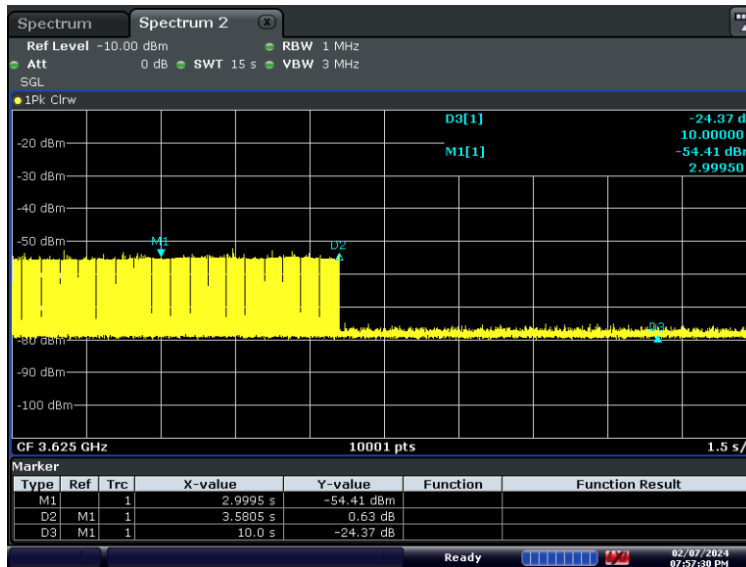
Run#2 FR1-n48:

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



Peak

Plot 7-339. Run#2 End User Device Frequency of Operations




Peak

Plot 7-340. Run#2 End User Device Discontinues Operations within 10s

Note:


- Marker 1: CBSD sends instructions to discontinue FR1 operations.
 Marker 2: EUT discontinues operation.
 Marker 3: 10 seconds elapsed time from CBSD sending instructions to EUT.

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 221 of 222

V2.2 09/07/2023

8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the Apple **Tablet Devices FCC ID: BCGA2926** complies with all the End User Device requirements of Part 96 of the FCC Rules.

FCC ID: BCGA2926	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270070-13.BCG	Test Dates: 10/1/2023-4/4/2024	EUT Type: Tablet Device
		Page 222 of 222

V2.2 09/07/2023