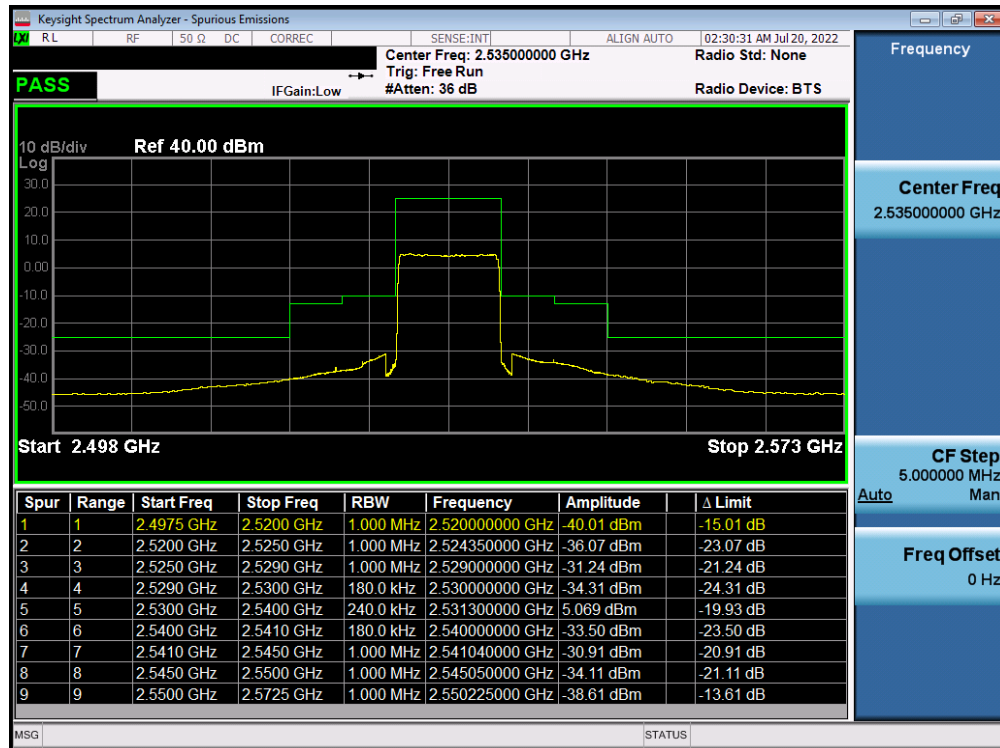
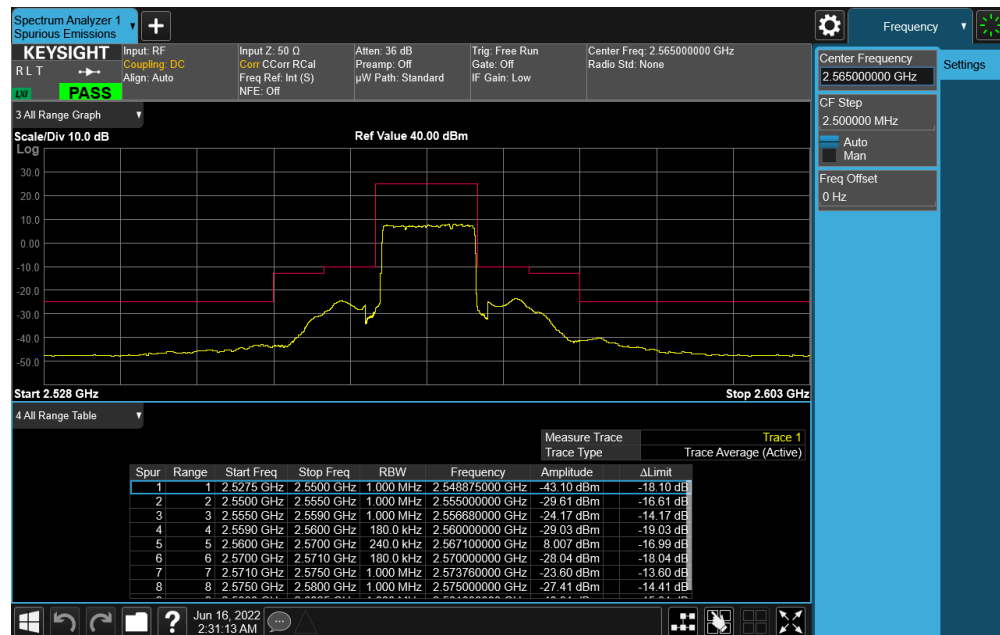




Plot 7-255. Middle Band Edge Plot (NR Band n7 - 10MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB)

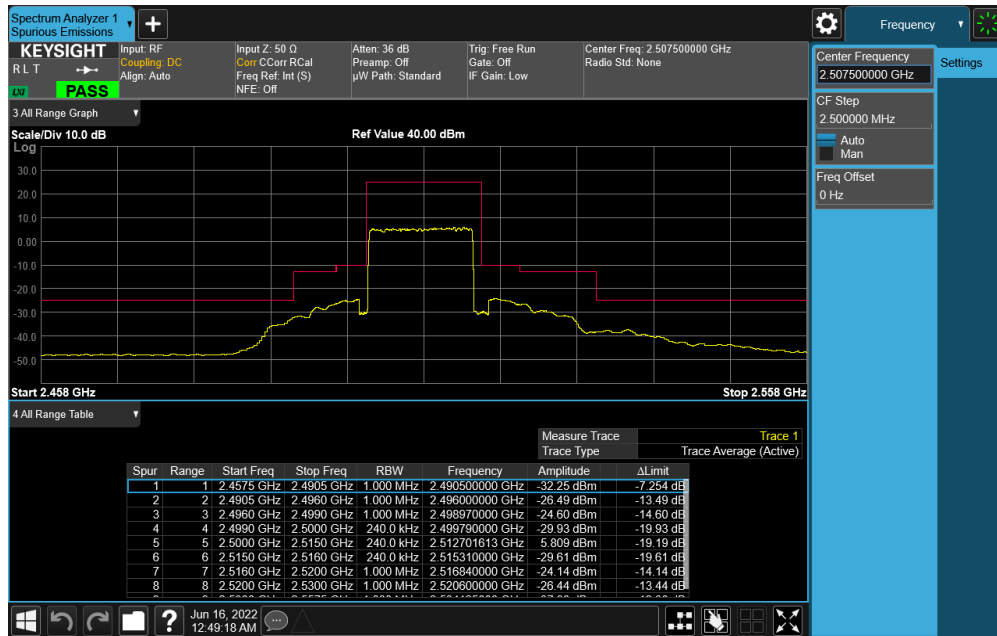


Plot 7-256. Upper Band Edge Plot (NR Band n7 - 10MHz CP-OFDM QPSK – Full RB)

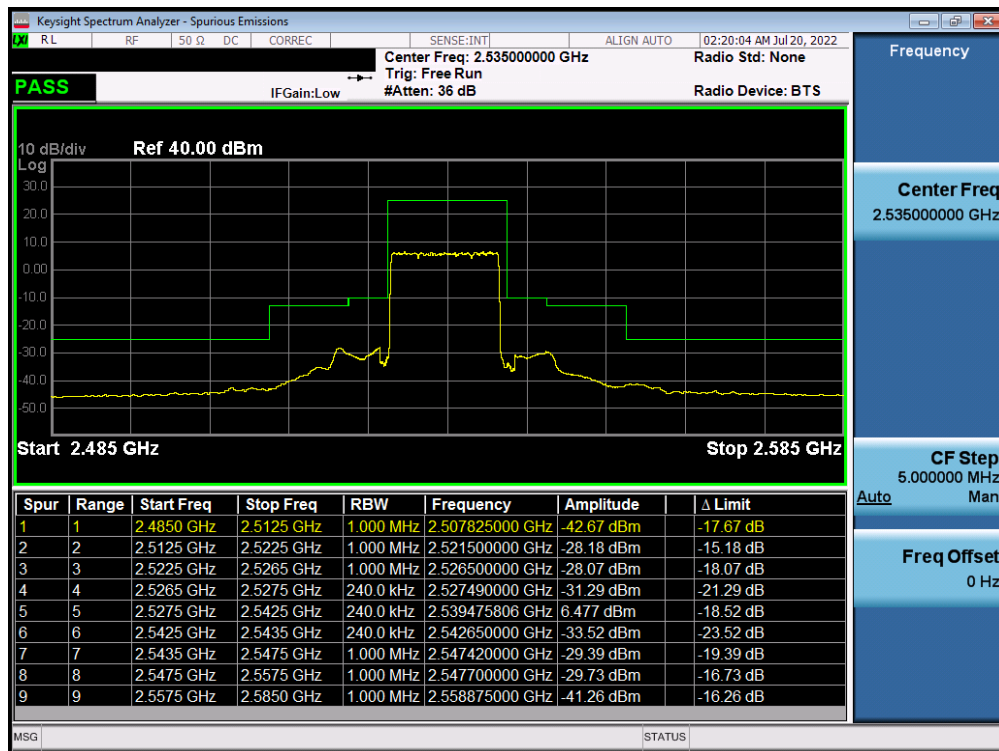
FCC ID: BCGA2435	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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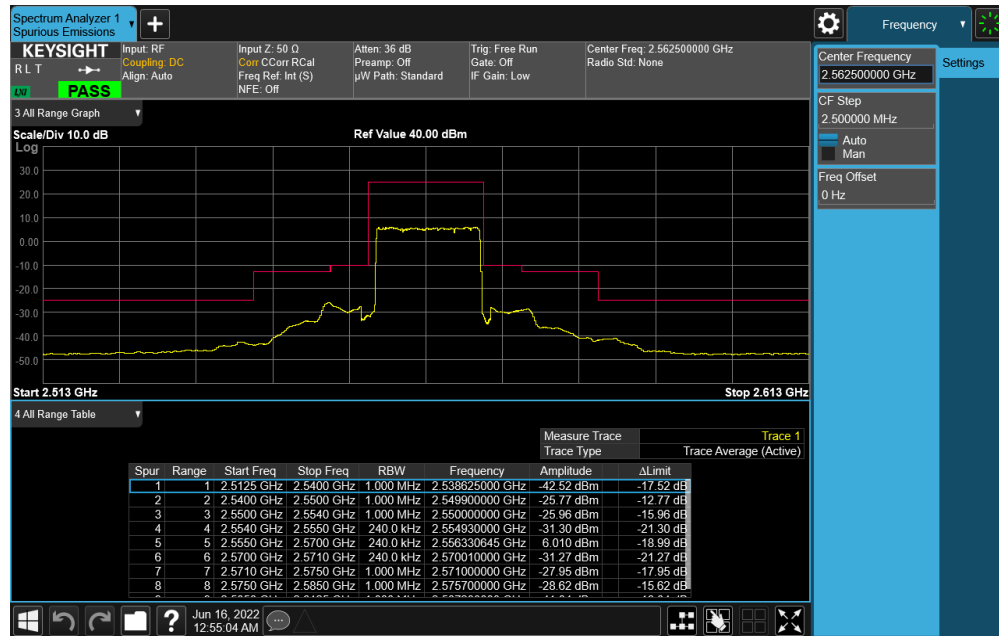


Plot 7-257. Lower Band Edge Plot (NR Band n7 - 15MHz CP-OFDM QPSK - Full RB)

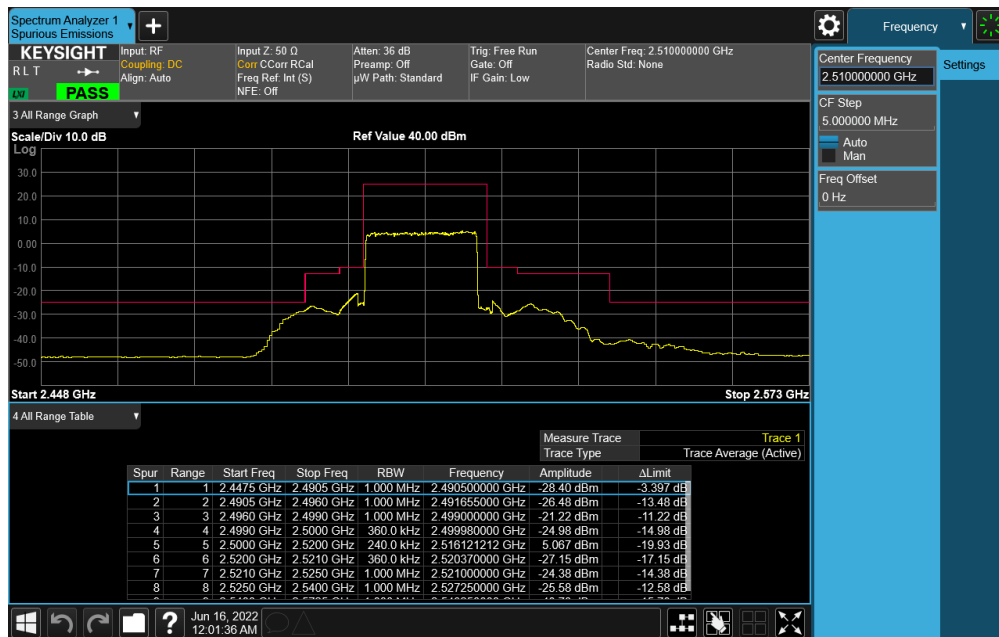


Plot 7-258. Middle Band Edge Plot (NR Band n7 - 15MHz CP-OFDM QPSK - Full RB)

FCC ID: BCGA2435	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090025-04-R1.BCG	Test Dates: 6/1/2022 - 9/12/2022	EUT Type: Tablet Device	Page 154 of 274

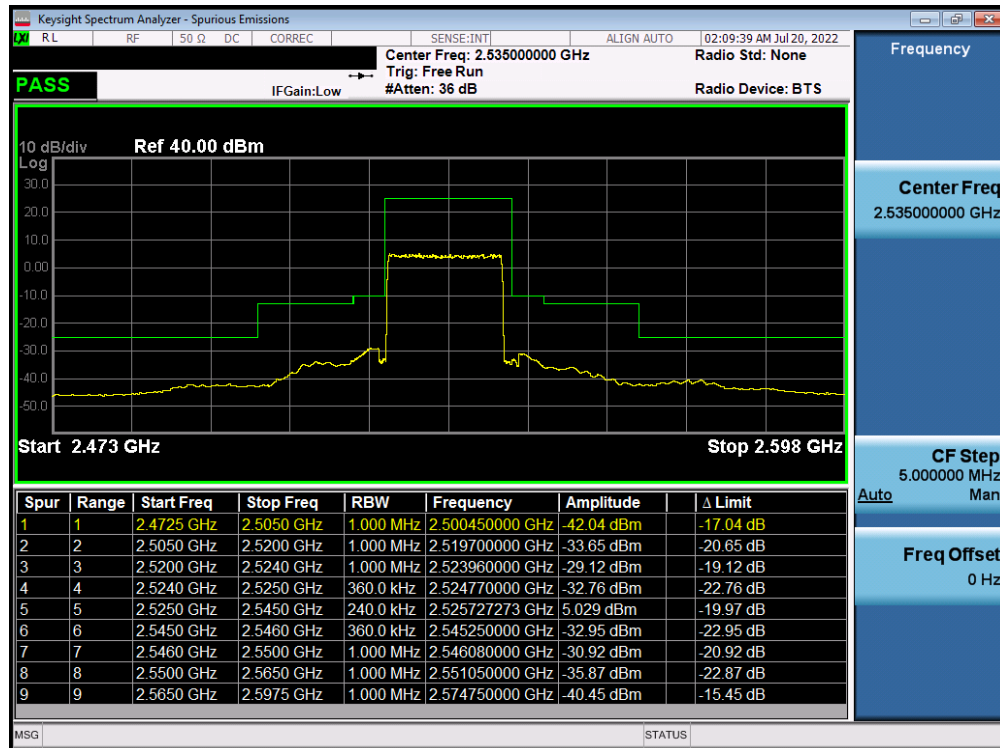


Plot 7-259. Upper Band Edge Plot (NR Band n7 - 15MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB)

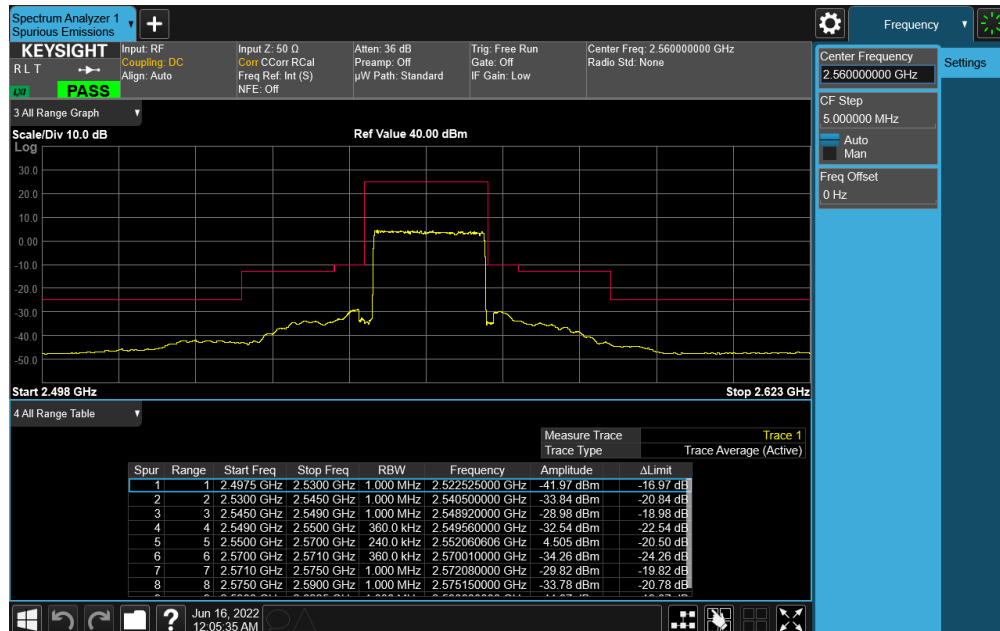


Plot 7-260. Lower Band Edge Plot (NR Band n7 - 20MHz CP-OFDM QPSK – Full RB)

FCC ID: BCGA2435	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090025-04-R1.BCG	Test Dates: 6/1/2022 – 9/12/2022	EUT Type: Tablet Device	Page 155 of 274



Plot 7-261. Middle Band Edge Plot (NR Band n7 - 20MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

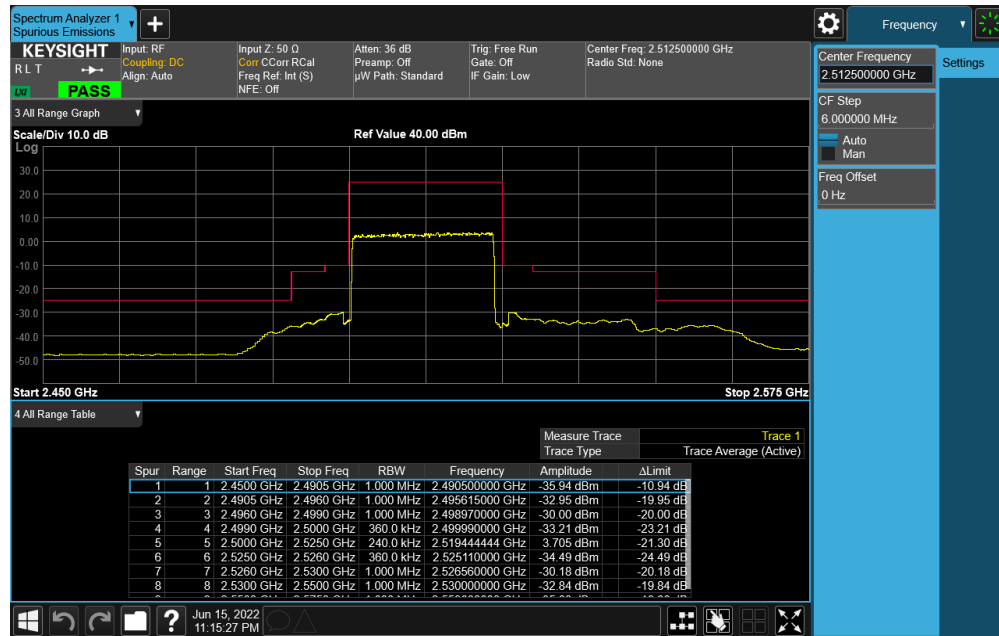


Plot 7-262. Upper Band Edge Plot (NR Band n7 - 20MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

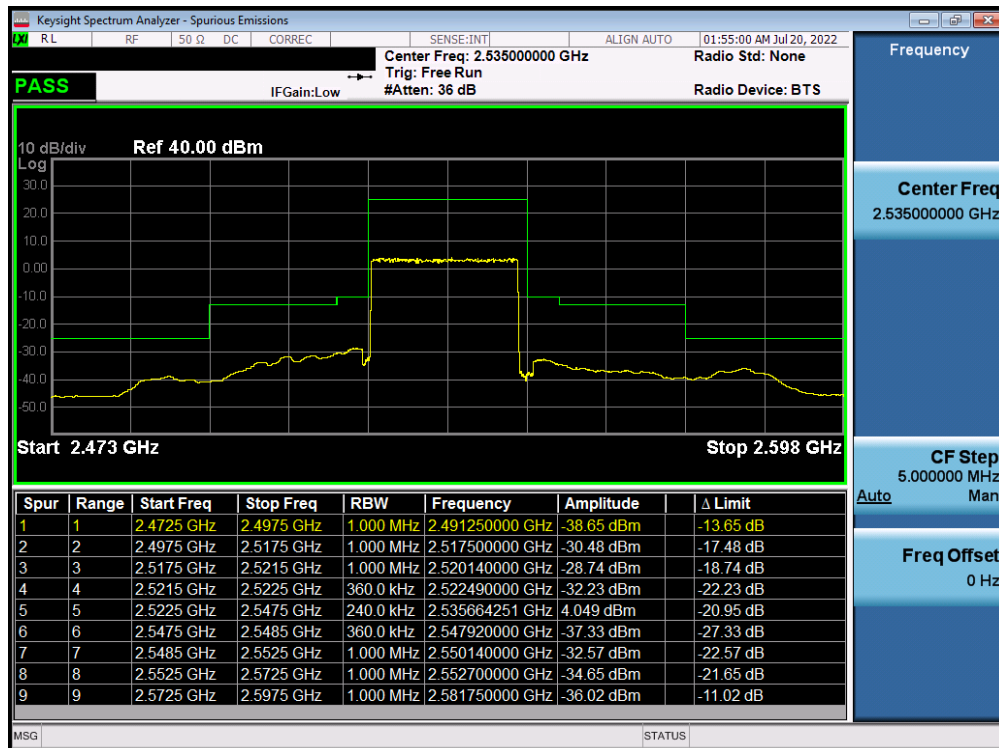
FCC ID: BCGA2435	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090025-04-R1.BCG	Test Dates: 6/1/2022 - 9/12/2022	EUT Type: Tablet Device	Page 156 of 274

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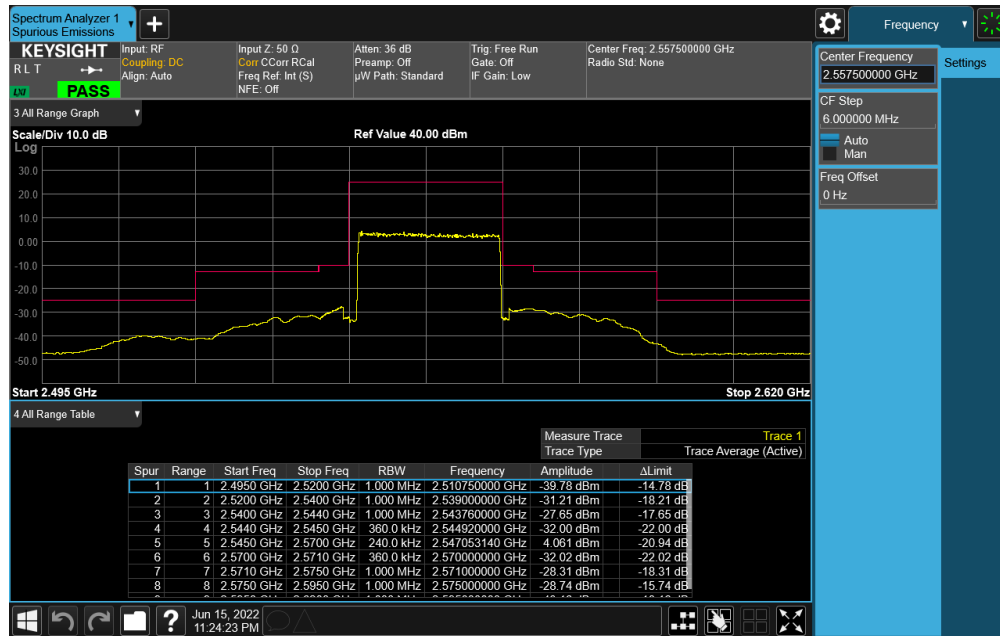


Plot 7-263. Lower Band Edge Plot (NR Band n7 - 25MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB)

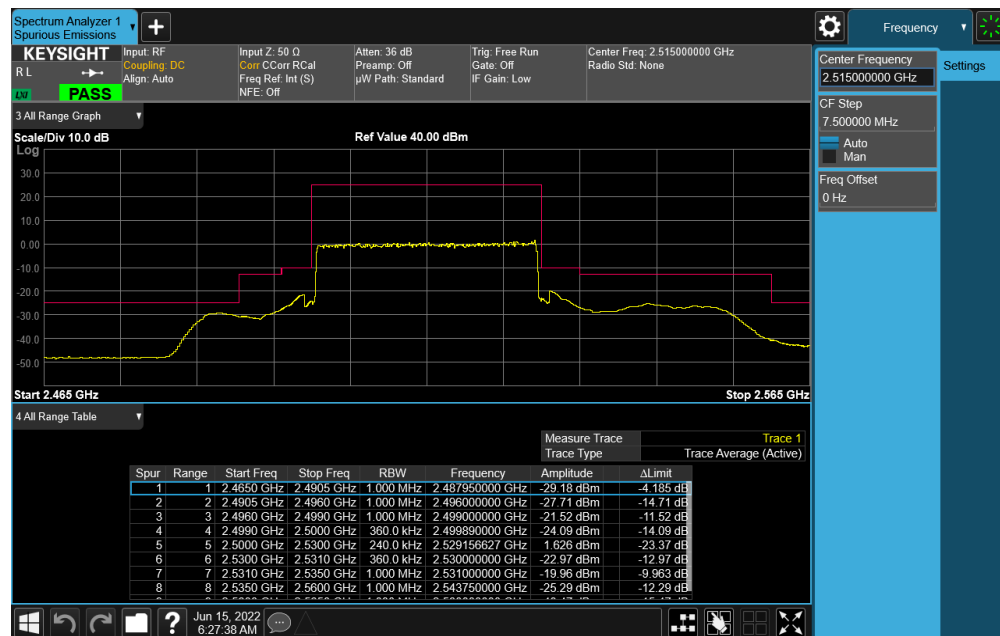


Plot 7-264. Middle Band Edge Plot (NR Band n7 - 25MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB)

FCC ID: BCGA2435	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-265. Upper Band Edge Plot (NR Band n7 - 25MHz CP-OFDM QPSK - Full RB)

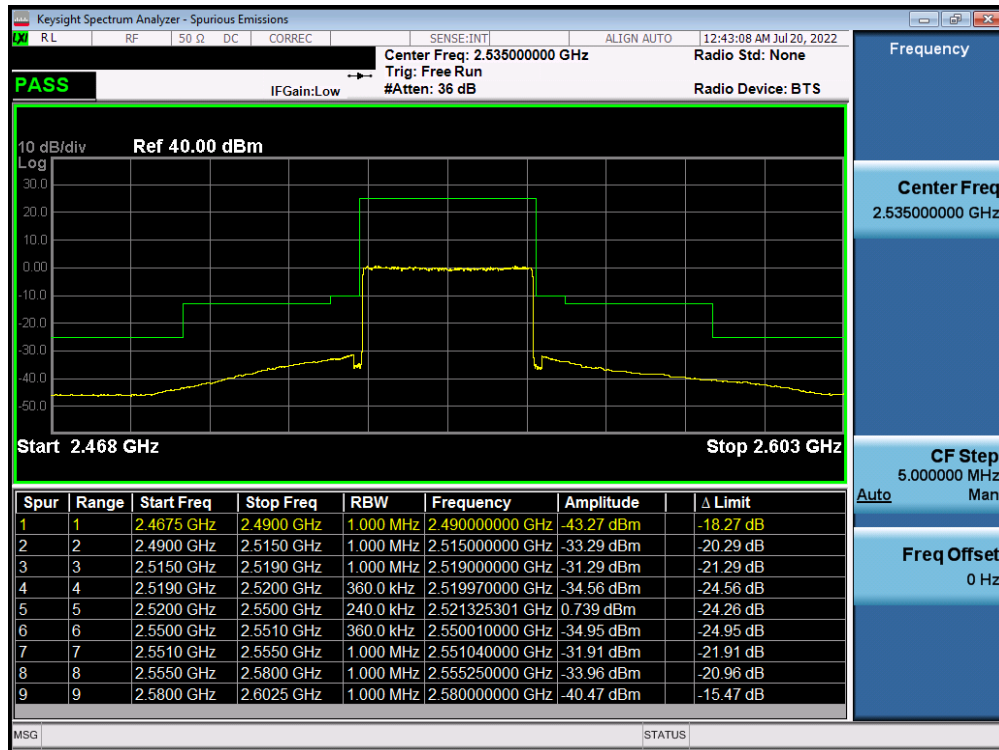


Plot 7-266. Lower Band Edge Plot (NR Band n7 - 30MHz DFT-s-OFDM $\pi/2$ BPSK - Full RB)

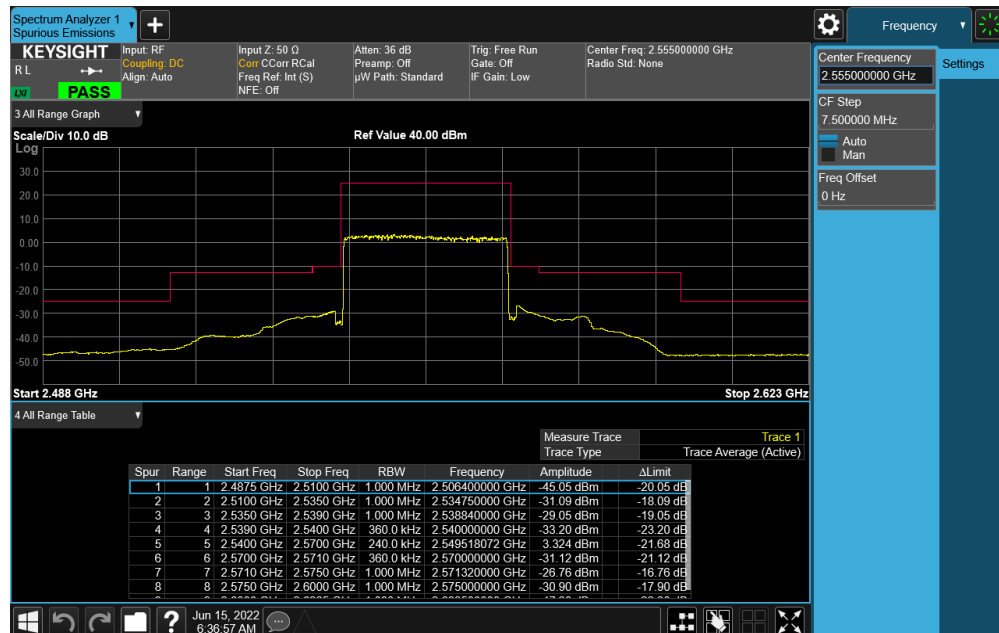
FCC ID: BCGA2435	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090025-04-R1.BCG	Test Dates: 6/1/2022 - 9/12/2022	EUT Type: Tablet Device	Page 158 of 274

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Plot 7-267. Middle Band Edge Plot (NR Band n7 - 30MHz CP-OFDM QPSK – Full RB)

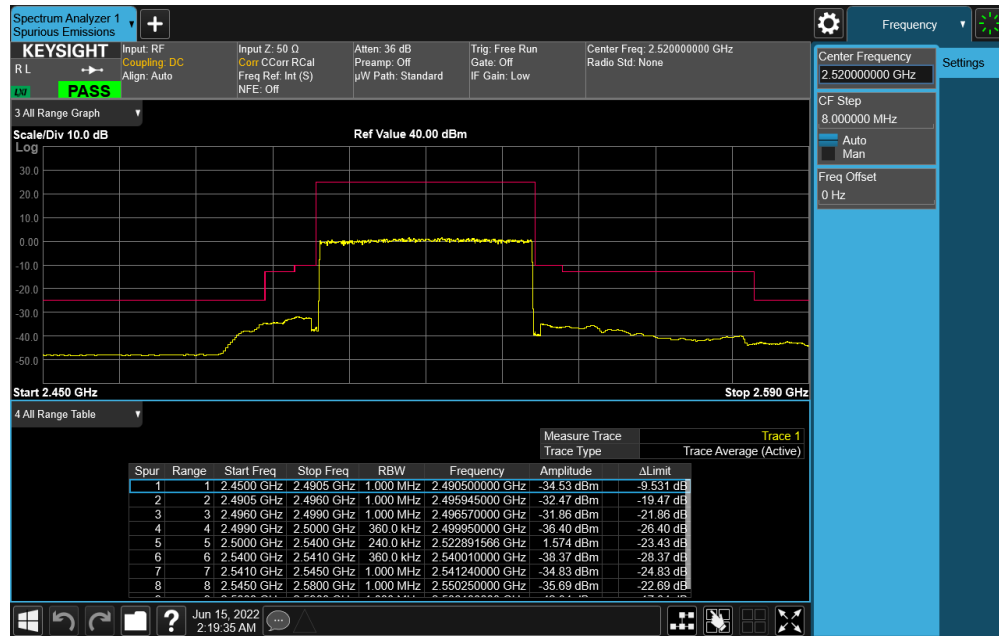


Plot 7-268. Upper Band Edge Plot (NR Band n7 - 30MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB)

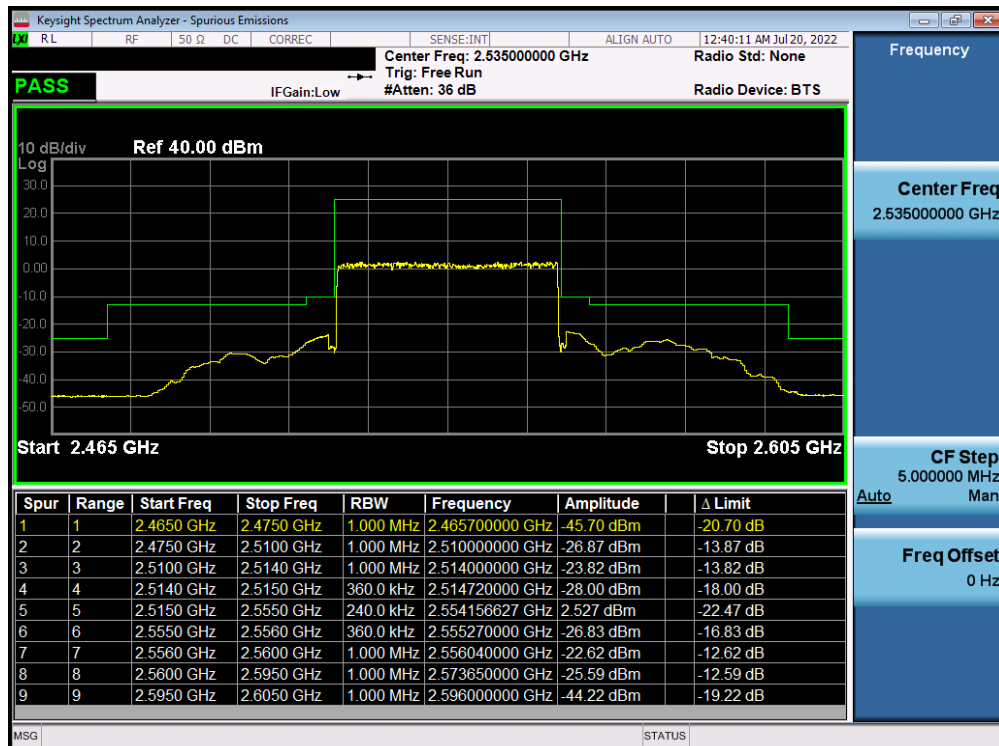
FCC ID: BCGA2435	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-269. Lower Band Edge Plot (NR Band n7 - 40MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB)

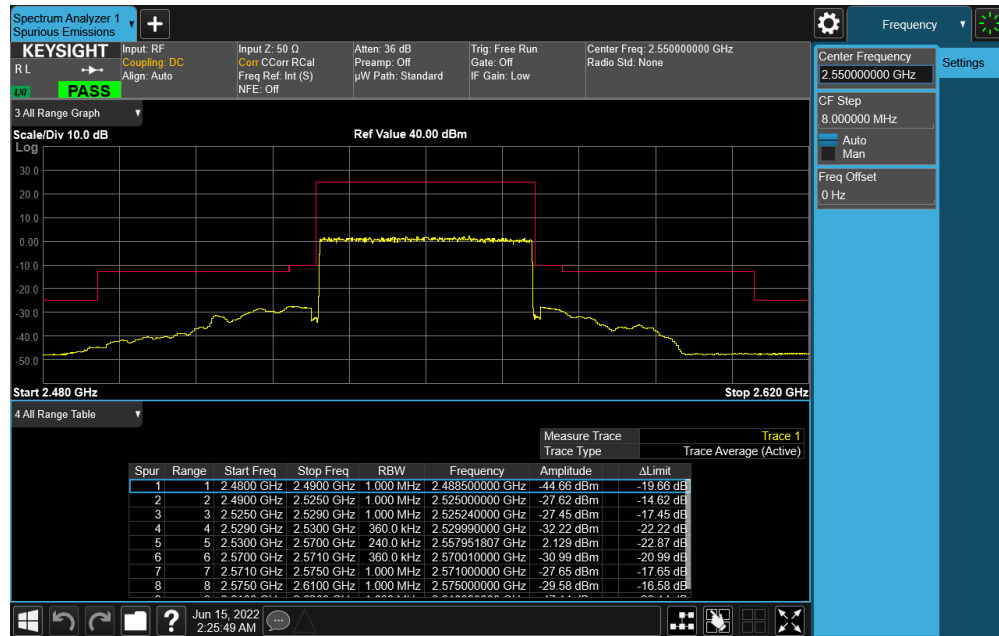


Plot 7-270. Middle Band Edge Plot (NR Band n7 - 40MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB)

FCC ID: BCGA2435	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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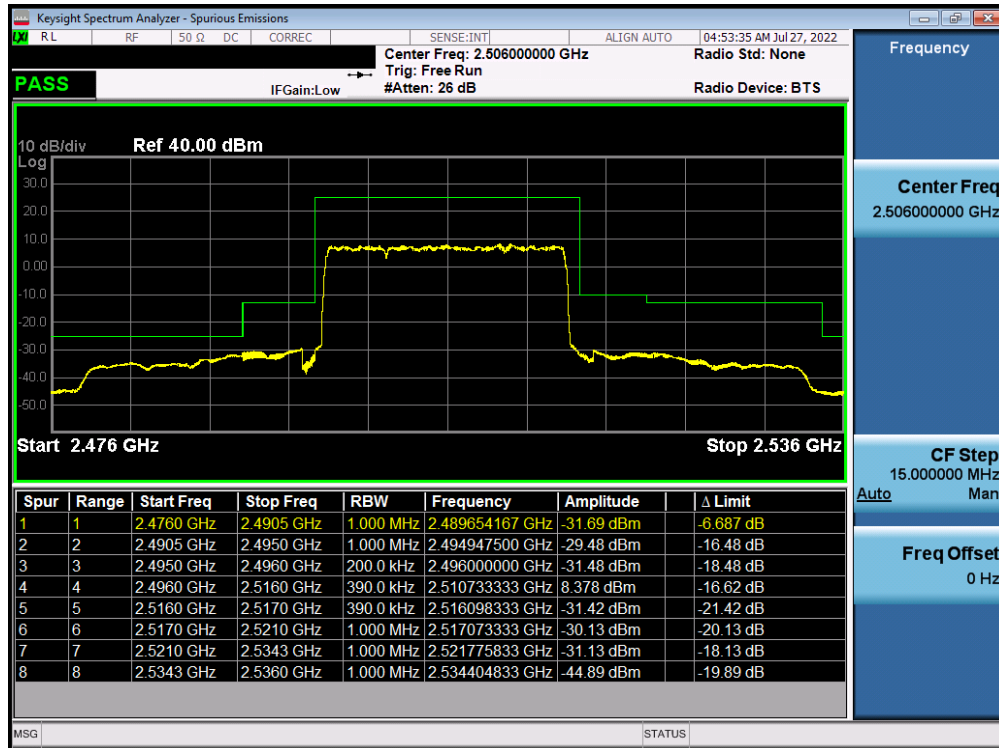


Plot 7-271. Upper Band Edge Plot (NR Band n7 - 40MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB)

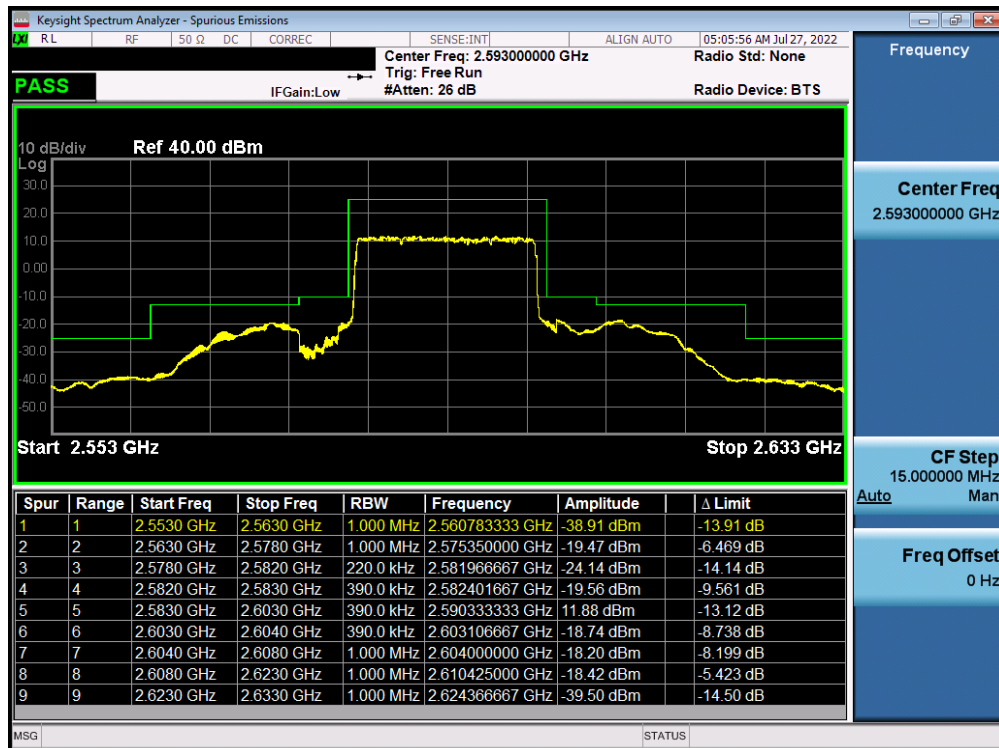
FCC ID: BCGA2435	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41

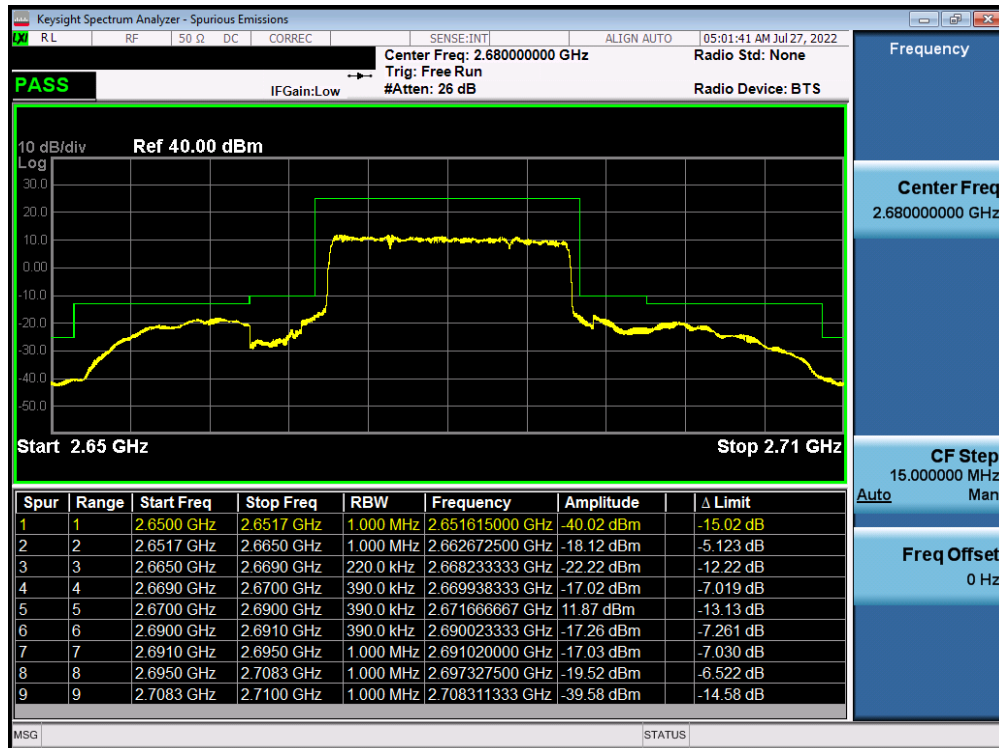


Plot 7-272. Lower ACP Plot (NR Band n41 - 20MHz CP-OFDM QPSK – Full RB)

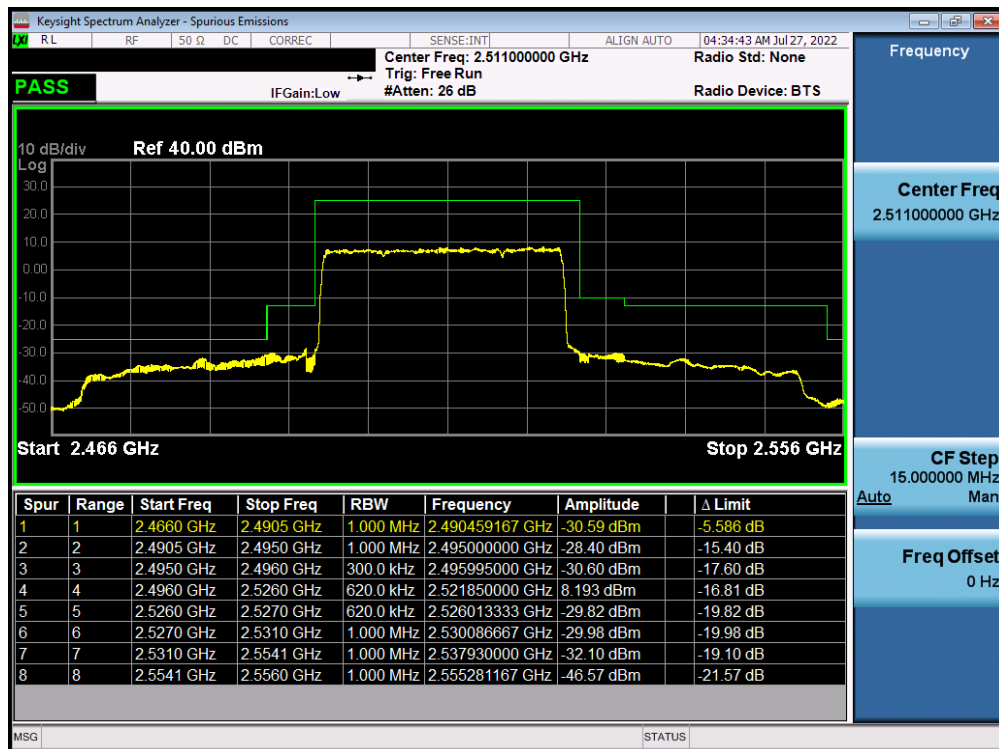


Plot 7-273. Middle ACP Plot (NR Band n41 - 20MHz CP-OFDM QPSK – Full RB)

FCC ID: BCGA2435	element PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090025-04-R1.BCG	Test Dates: 6/1/2022 – 9/12/2022	EUT Type: Tablet Device	Page 162 of 274



Plot 7-274. Upper ACP Plot (NR Band n41 - 20MHz CP-OFDM QPSK – Full RB)

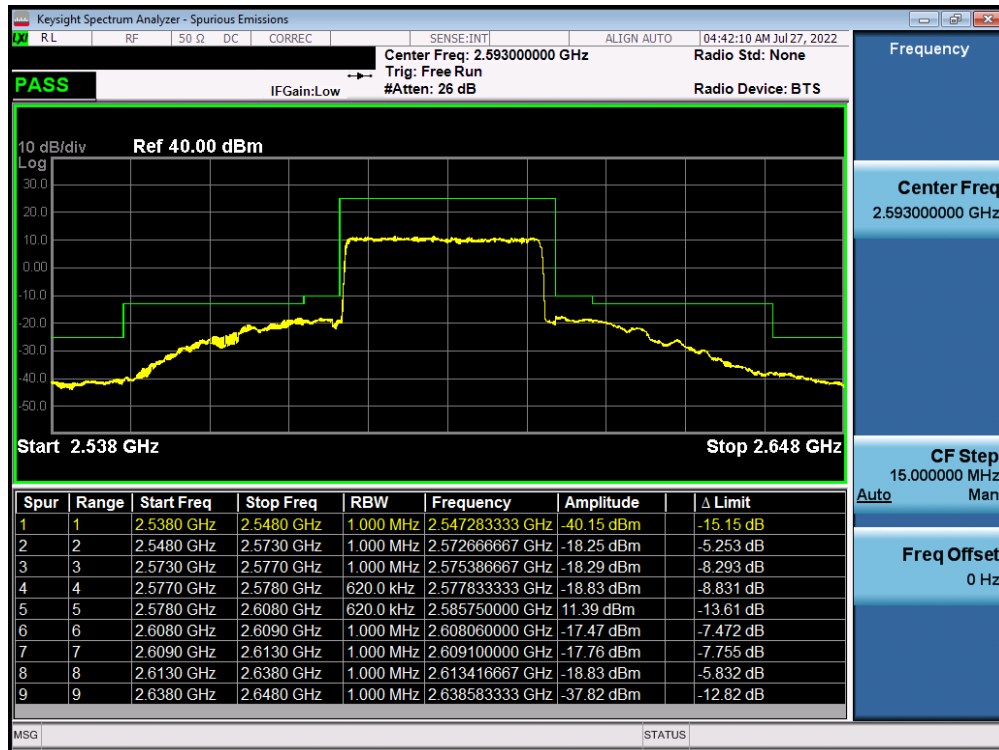


Plot 7-275. Lower ACP Plot (NR Band n41 - 30MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB)

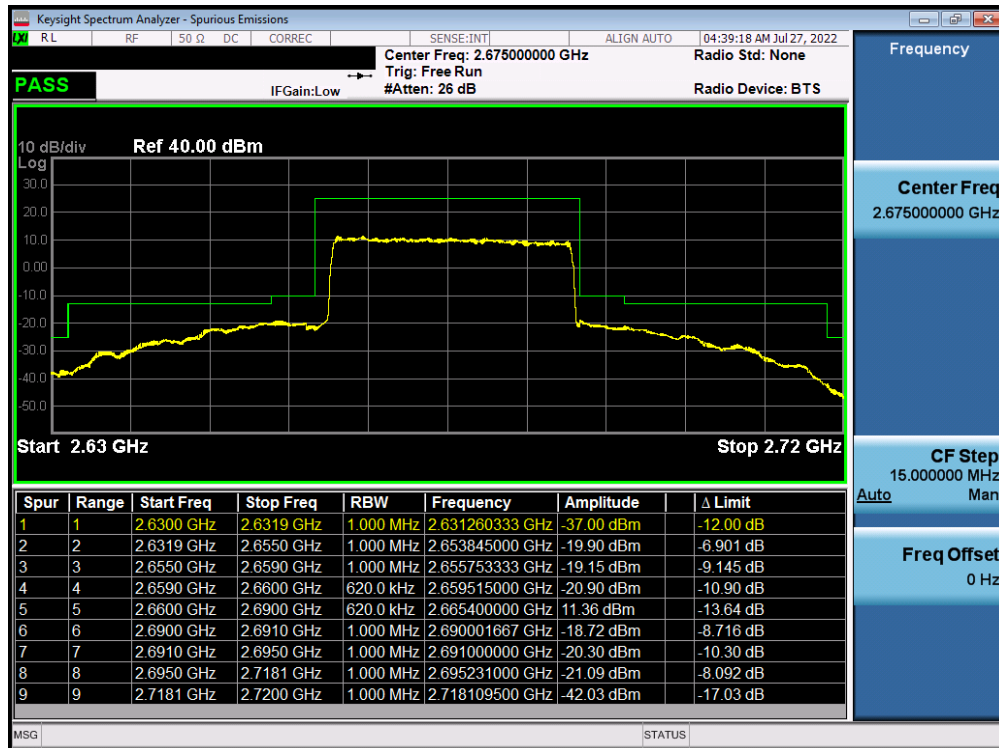
FCC ID: BCGA2435	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090025-04-R1.BCG	Test Dates: 6/1/2022 – 9/12/2022	EUT Type: Tablet Device	Page 163 of 274

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Plot 7-276. Middle ACP Plot (NR Band n41 - 30MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB)

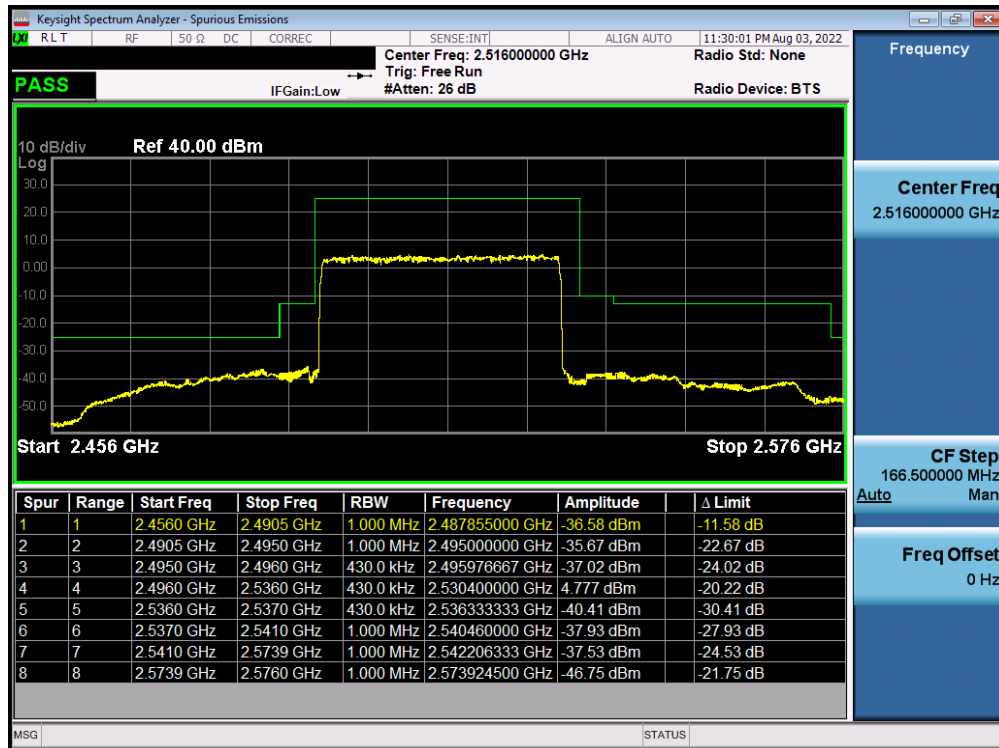


Plot 7-277. Upper ACP Plot (NR Band n41 - 30MHz CP-OFDM QPSK – Full RB)

FCC ID: BCGA2435	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-278. Lower ACP Plot (NR Band n41 - 40MHz _CP-OFDM QPSK – Full RB)

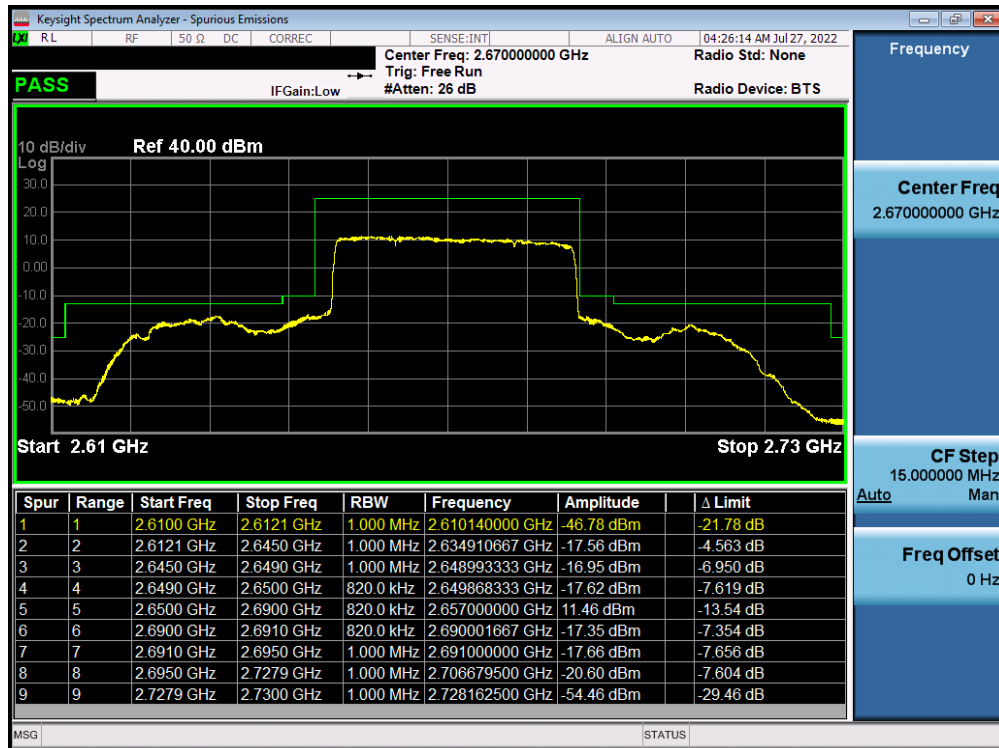


Plot 7-279. Middle ACP Plot (NR Band n41 - 40MHz CP-OFDM QPSK – Full RB)

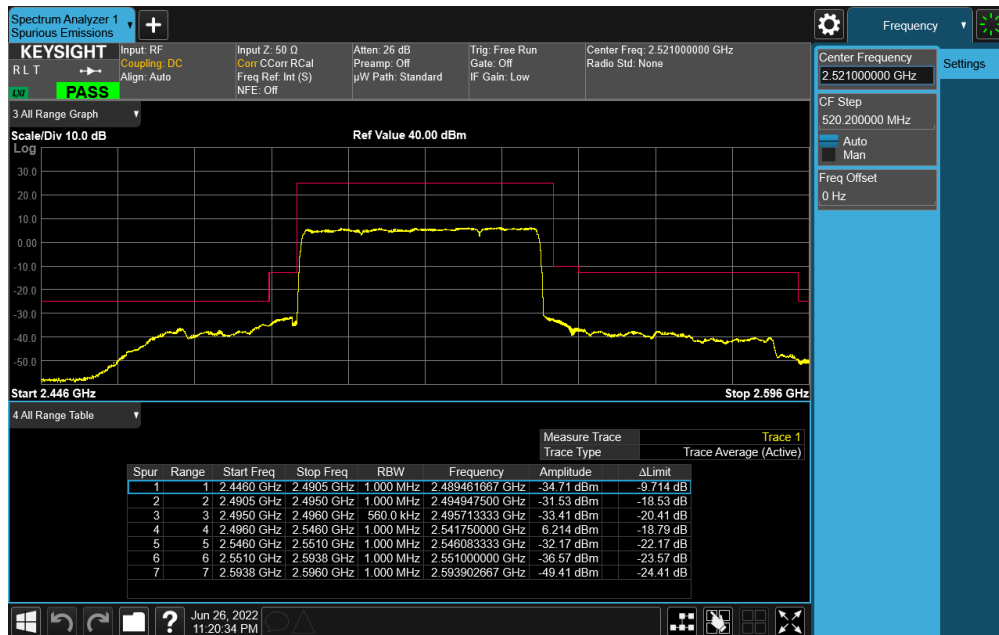
FCC ID: BCGA2435	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090025-04-R1.BCG	Test Dates: 6/1/2022 – 9/12/2022	EUT Type: Tablet Device	Page 165 of 274

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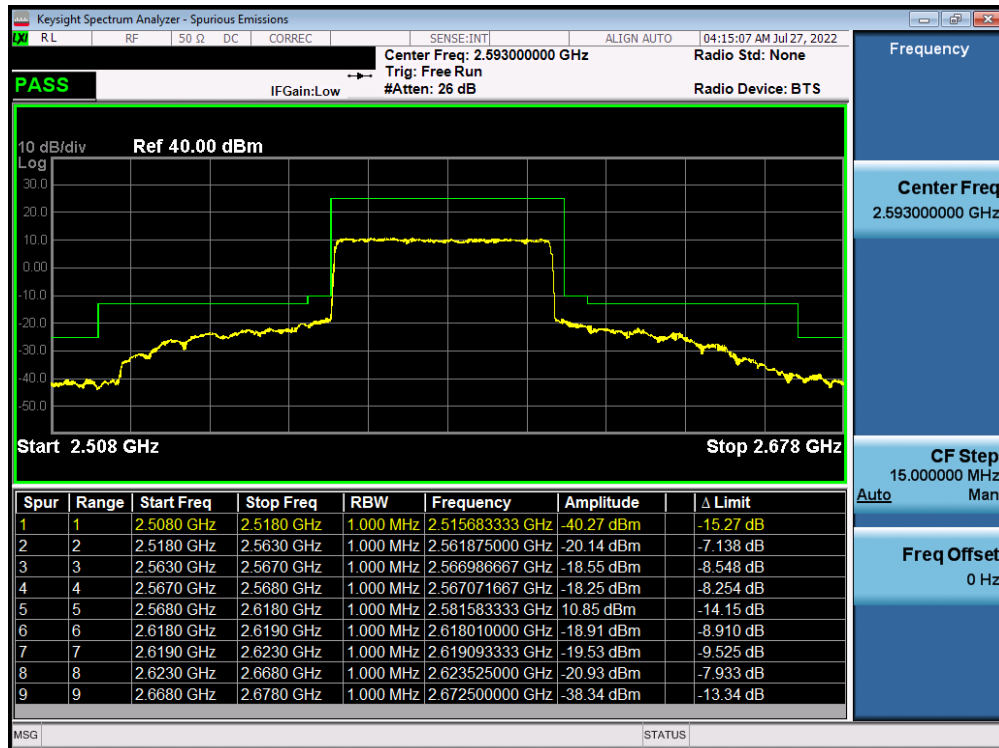


Plot 7-280. Upper ACP Plot (NR Band n41 - 40MHz CP-OFDM QPSK – Full RB)

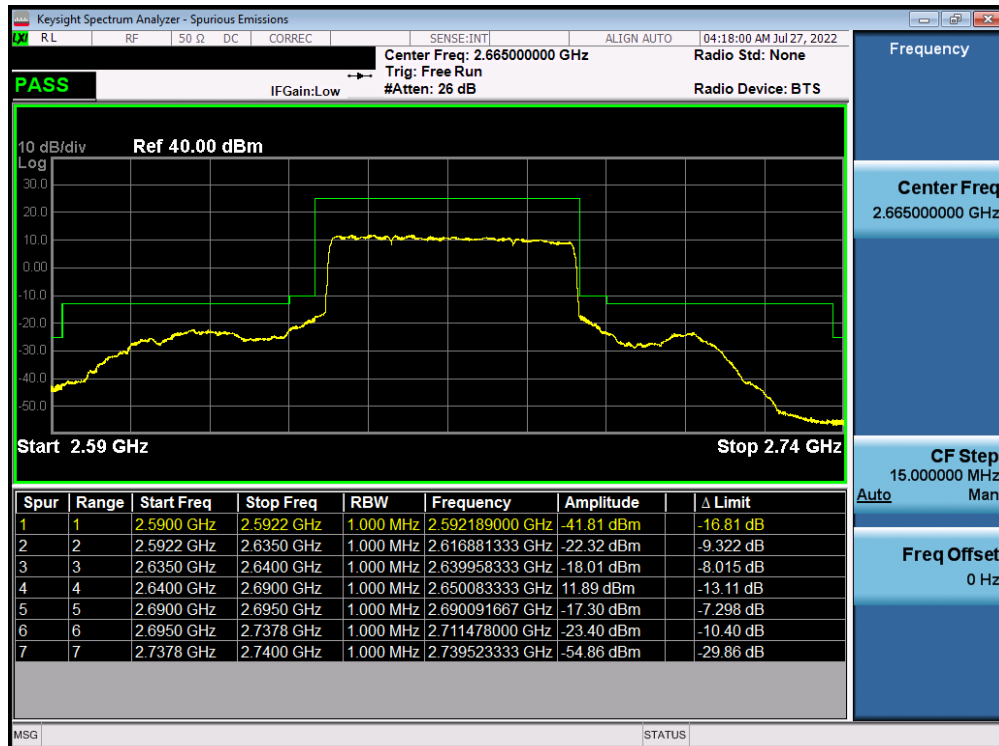


Plot 7-281. Lower ACP Plot (NR Band n41 - 50MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB)

FCC ID: BCGA2435	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090025-04-R1.BCG	Test Dates: 6/1/2022 – 9/12/2022	EUT Type: Tablet Device	Page 166 of 274



Plot 7-282. Middle ACP Plot (NR Band n41 - 50MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB)

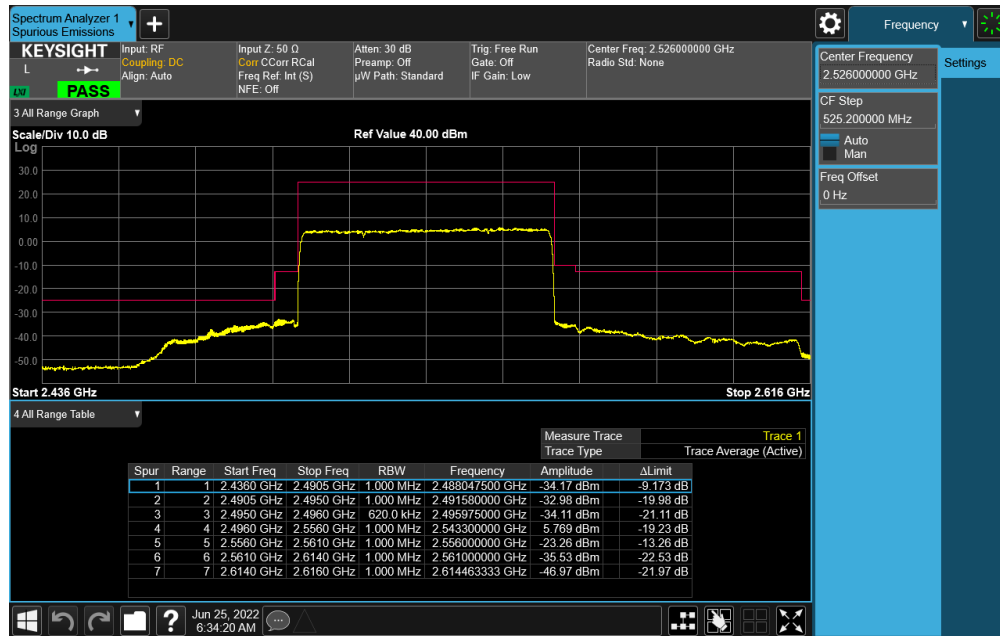


Plot 7-283. Upper ACP Plot (NR Band n41 - 50MHz DFT-s-OFDM $\pi/2$ BPSK – Full RB)

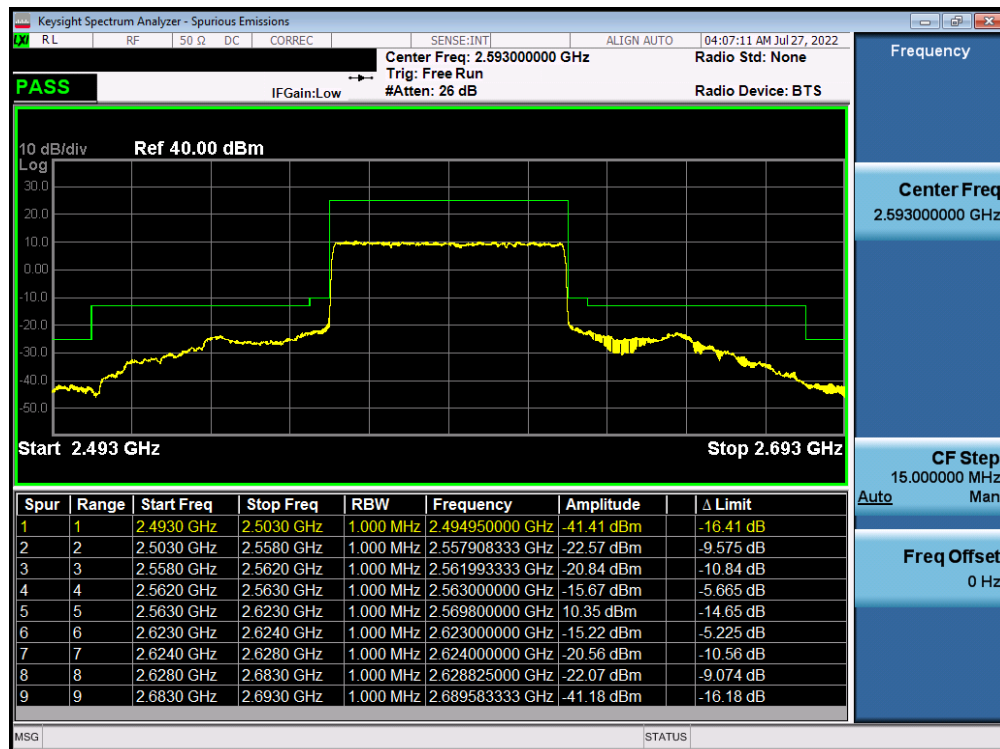
FCC ID: BCGA2435	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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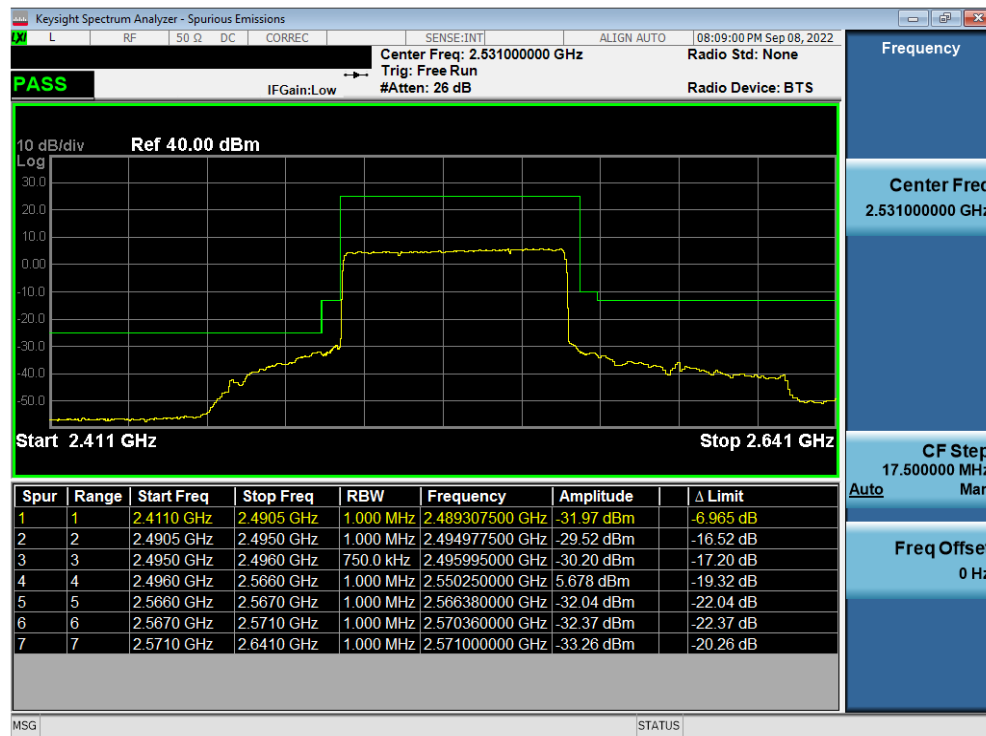
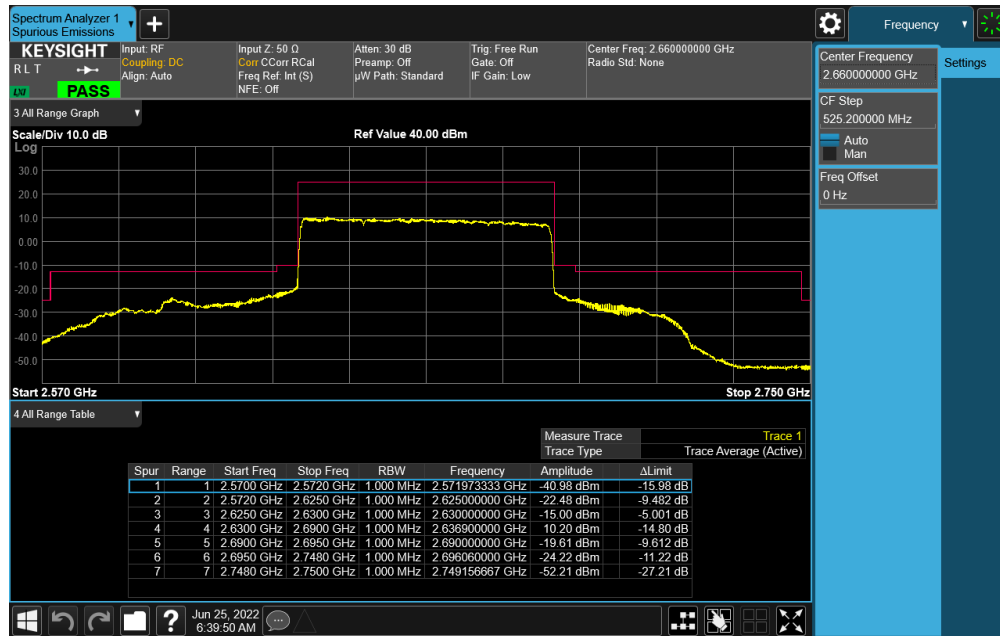
Plot 7-284. Lower ACP Plot (NR Band n41 - 60MHz CP-OFDM QPSK – Full RB)



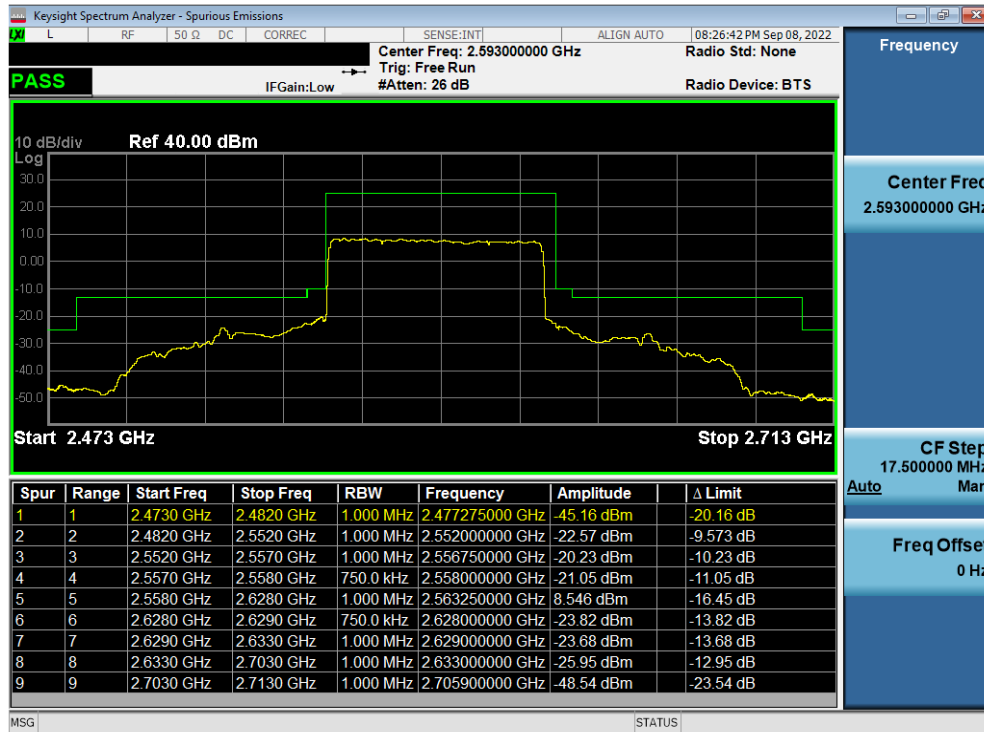
Plot 7-285. Middle ACP Plot (NR Band n41 - 60MHz CP-OFDM QPSK – Full RB)

FCC ID: BCGA2435	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090025-04-R1.BCG	Test Dates: 6/1/2022 – 9/12/2022	EUT Type: Tablet Device	Page 168 of 274

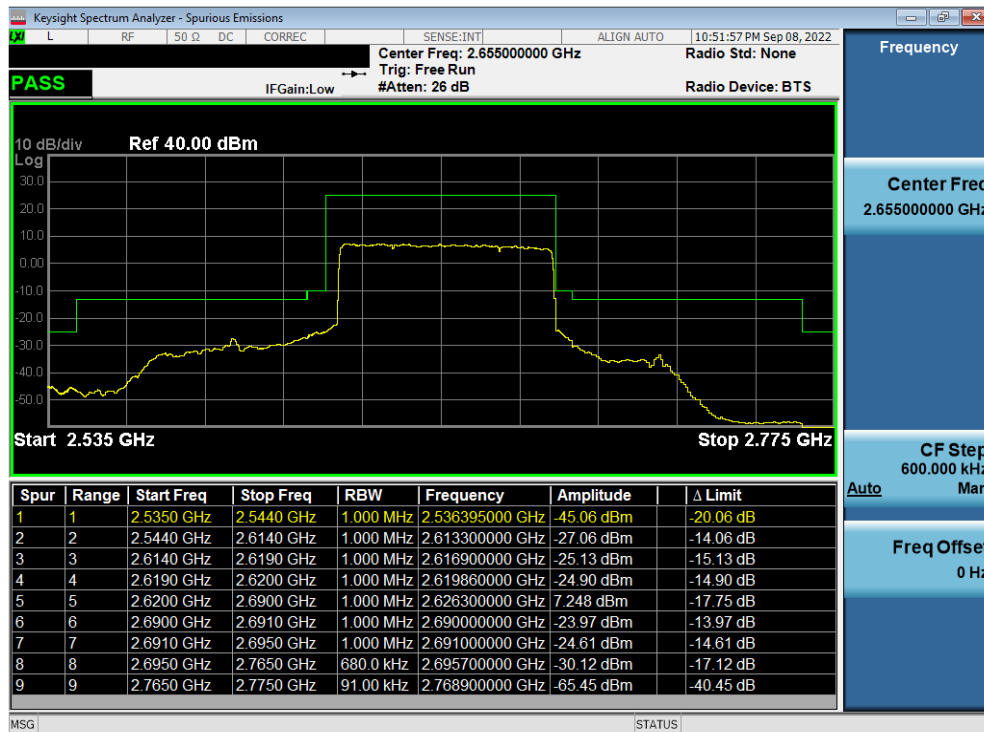
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FCC ID: BCGA2435	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-288. Middle ACP Plot (NR Band n41 - 70MHz CP-OFDM QPSK – Full RB)

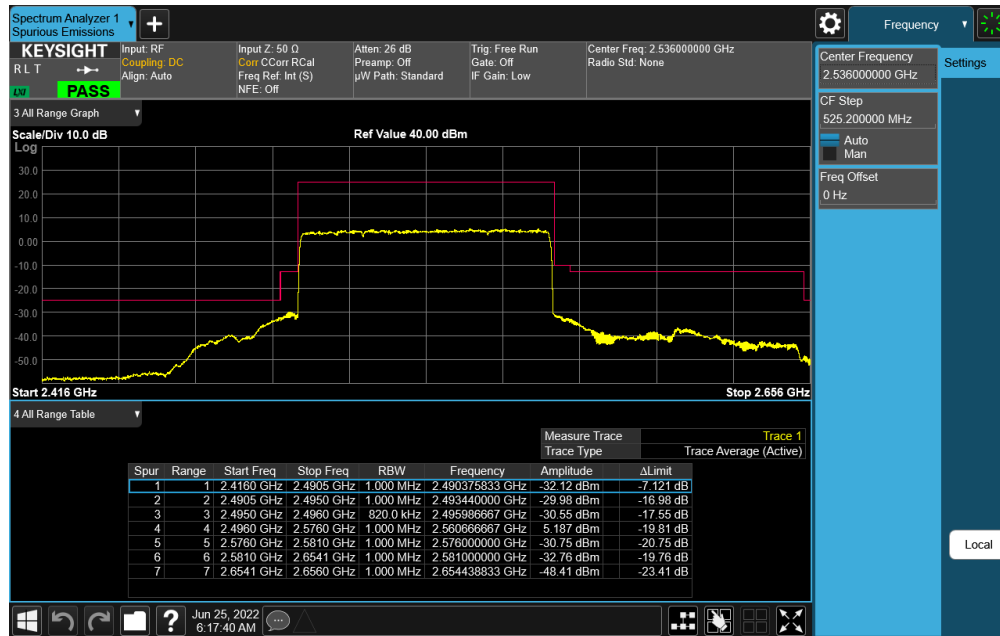


Plot 7-289. Upper ACP Plot (NR Band n41 - 70MHz CP-OFDM QPSK – Full RB)

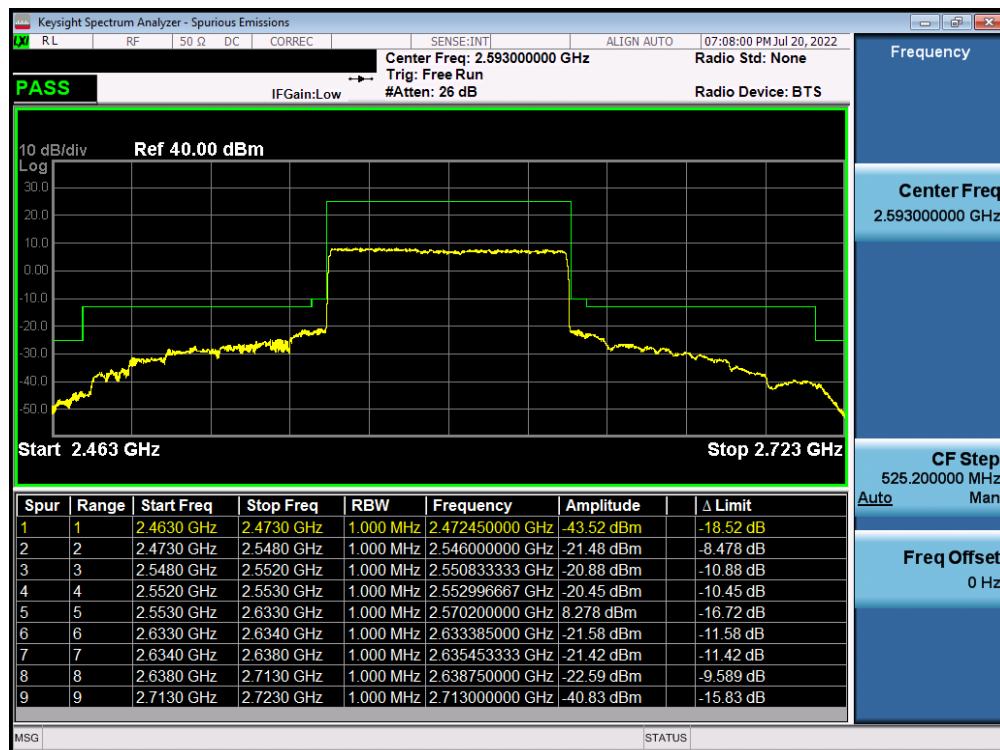
FCC ID: BCGA2435	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090025-04-R1.BCG	Test Dates: 6/1/2022 – 9/12/2022	EUT Type: Tablet Device	Page 170 of 274

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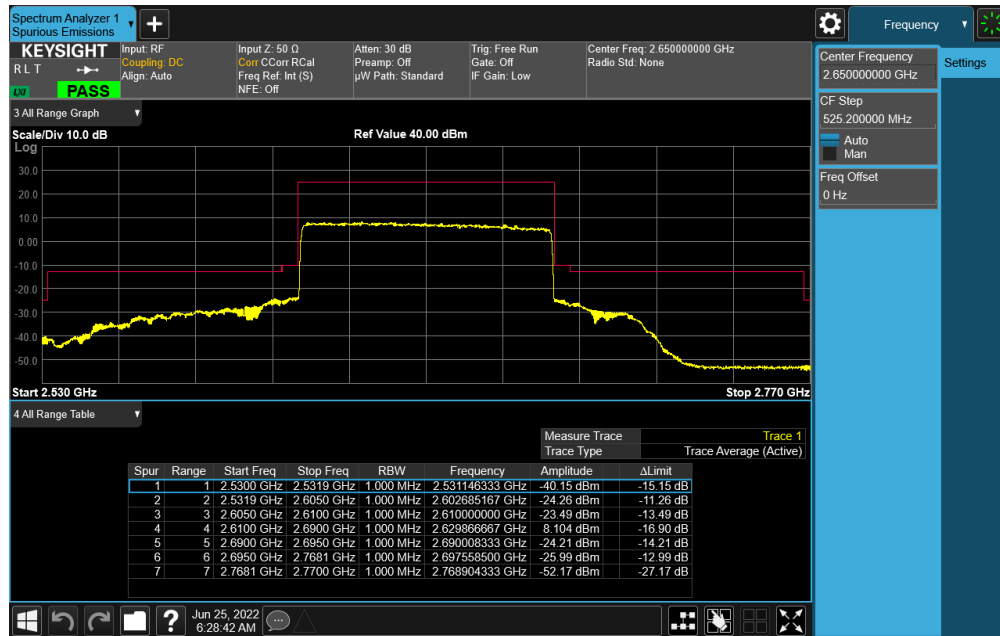


Plot 7-290. Lower ACP Plot (NR Band n41 - 80MHz CP-OFDM QPSK – Full RB)

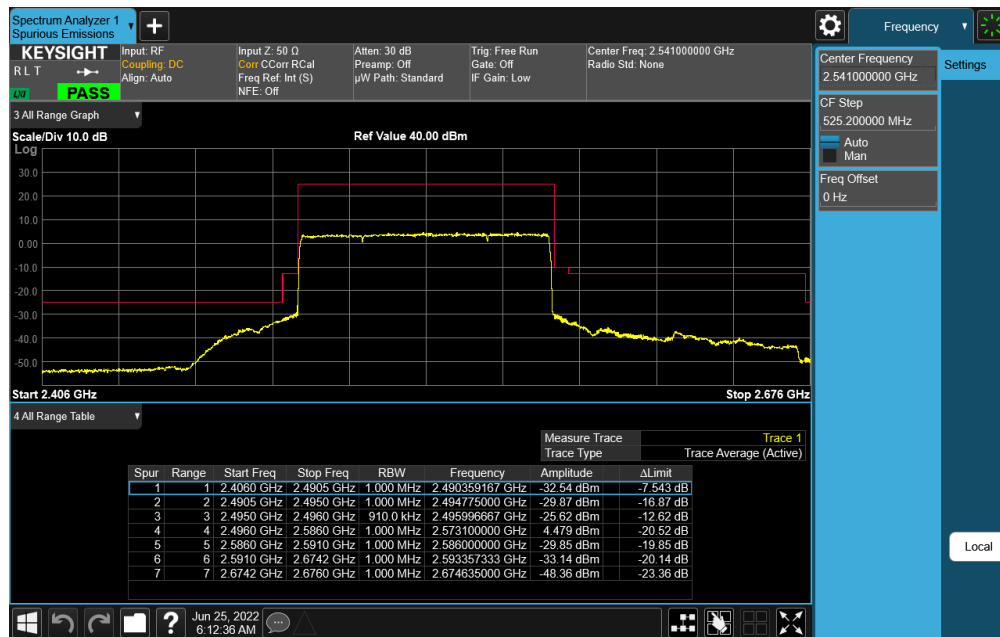


Plot 7-291. Middle ACP Plot (NR Band n41 - 80MHz CP-OFDM QPSK – Full RB)

FCC ID: BCGA2435	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090025-04-R1.BCG	Test Dates: 6/1/2022 – 9/12/2022	EUT Type: Tablet Device	Page 171 of 274

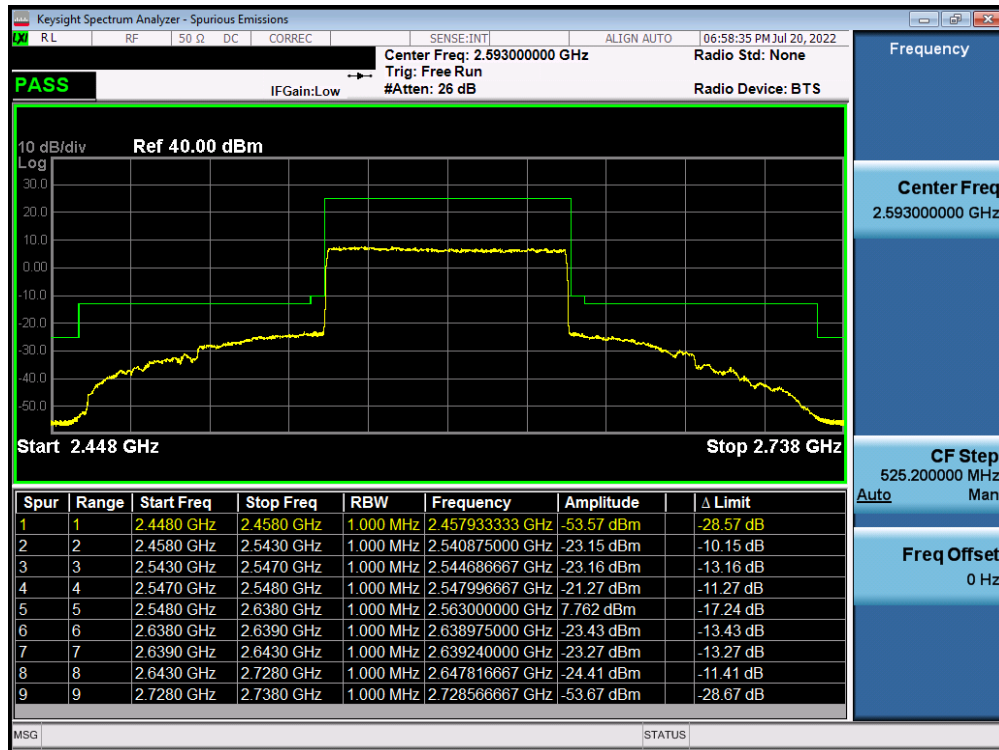


Plot 7-292. Upper ACP Plot (NR Band n41 - 80MHz CP-OFDM QPSK – Full RB)

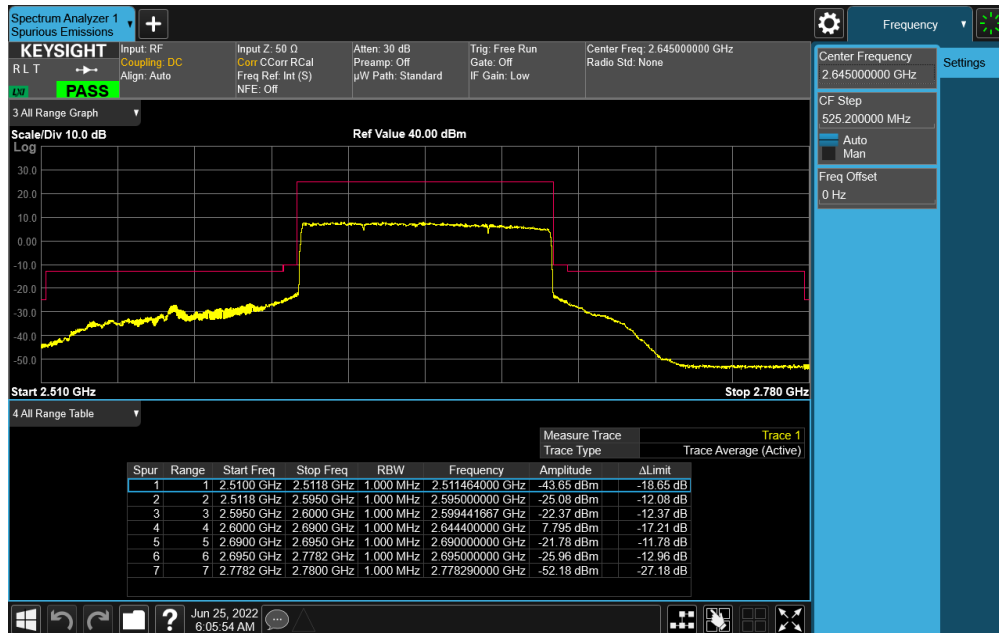


Plot 7-293. Lower ACP Plot (NR Band n41 - 90MHz CP-OFDM QPSK – Full RB)

FCC ID: BCGA2435	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090025-04-R1.BCG	Test Dates: 6/1/2022 – 9/12/2022	EUT Type: Tablet Device	Page 172 of 274



Plot 7-294. Middle ACP Plot (NR Band n41 - 90MHz CP-OFDM QPSK – Full RB)

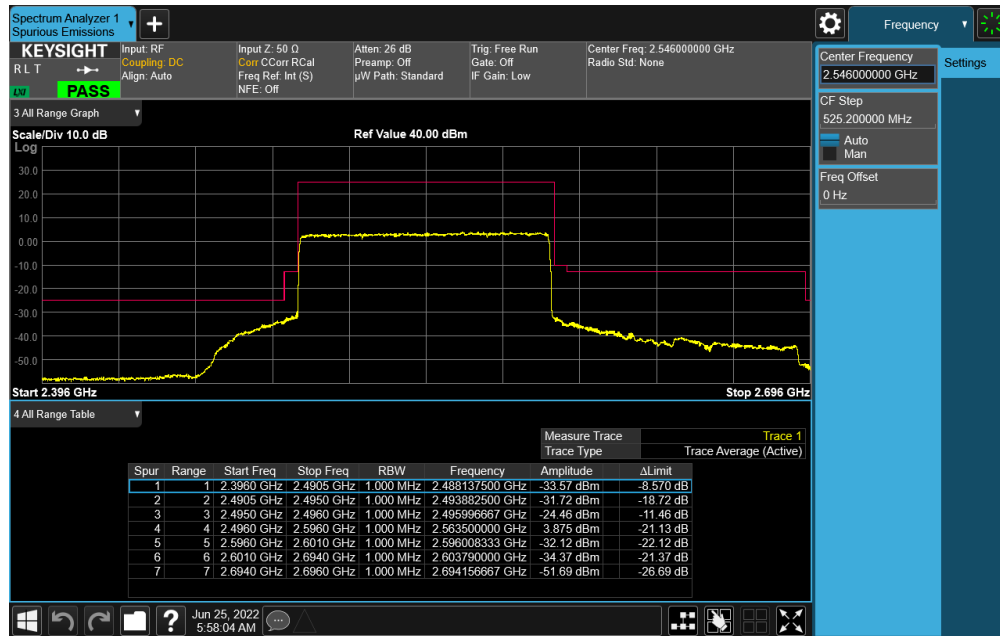


Plot 7-295. Upper ACP Plot (NR Band n41 - 90MHz CP-OFDM QPSK – Full RB)

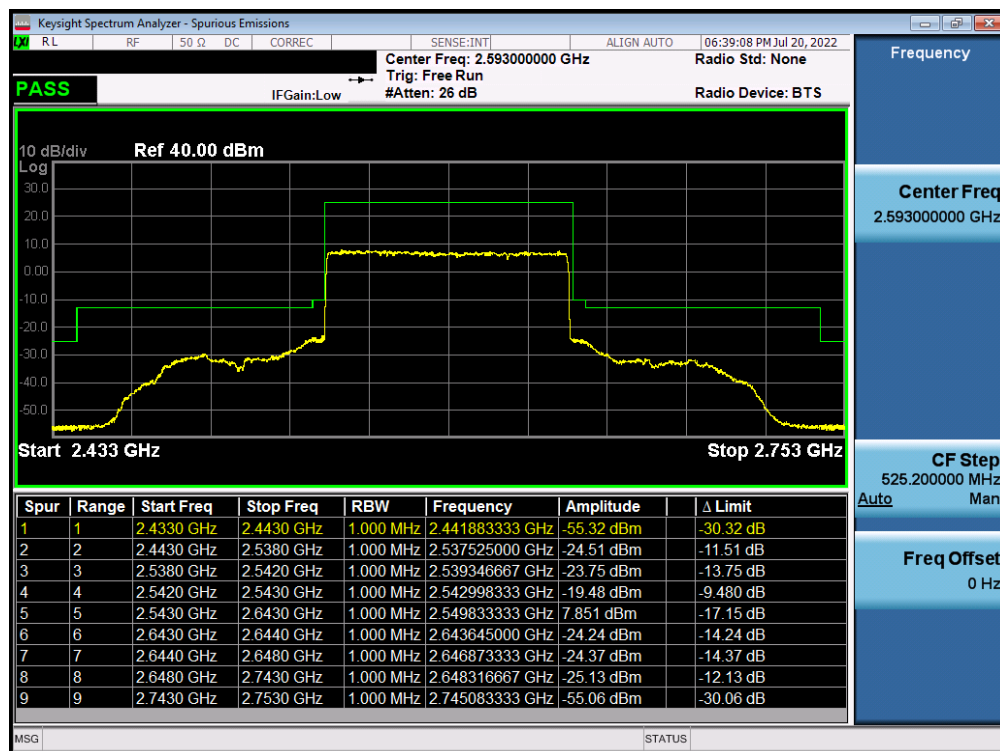
FCC ID: BCGA2435	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-296. Lower ACP Plot (NR Band n41 - 100MHz CP-OFDM QPSK – Full RB)

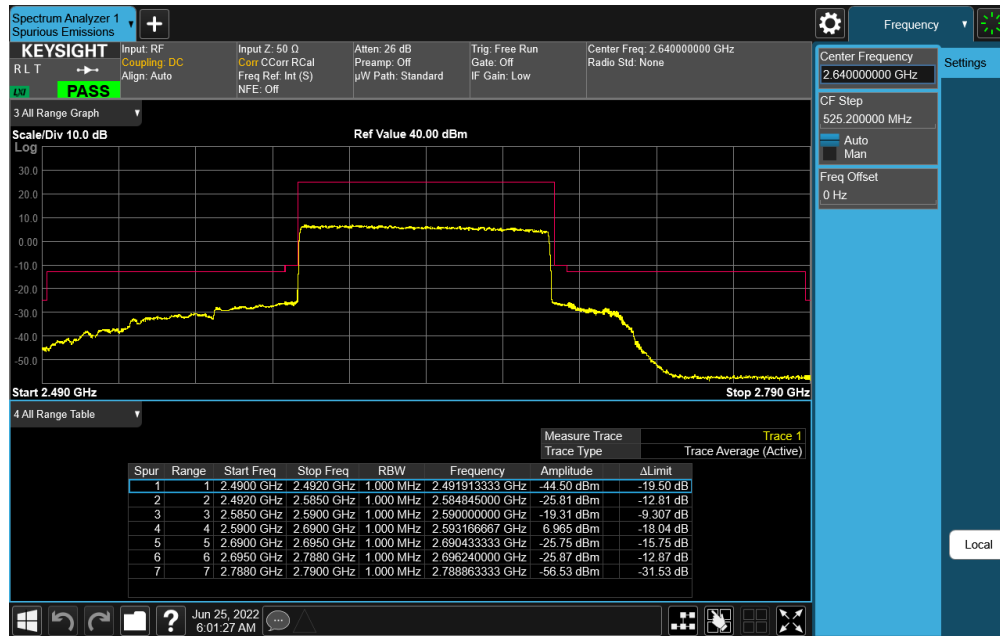


Plot 7-297. Middle ACP Plot (NR Band n41 - 100MHz CP-OFDM QPSK – Full RB)

FCC ID: BCGA2435	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090025-04-R1.BCG	Test Dates: 6/1/2022 – 9/12/2022	EUT Type: Tablet Device	Page 174 of 274

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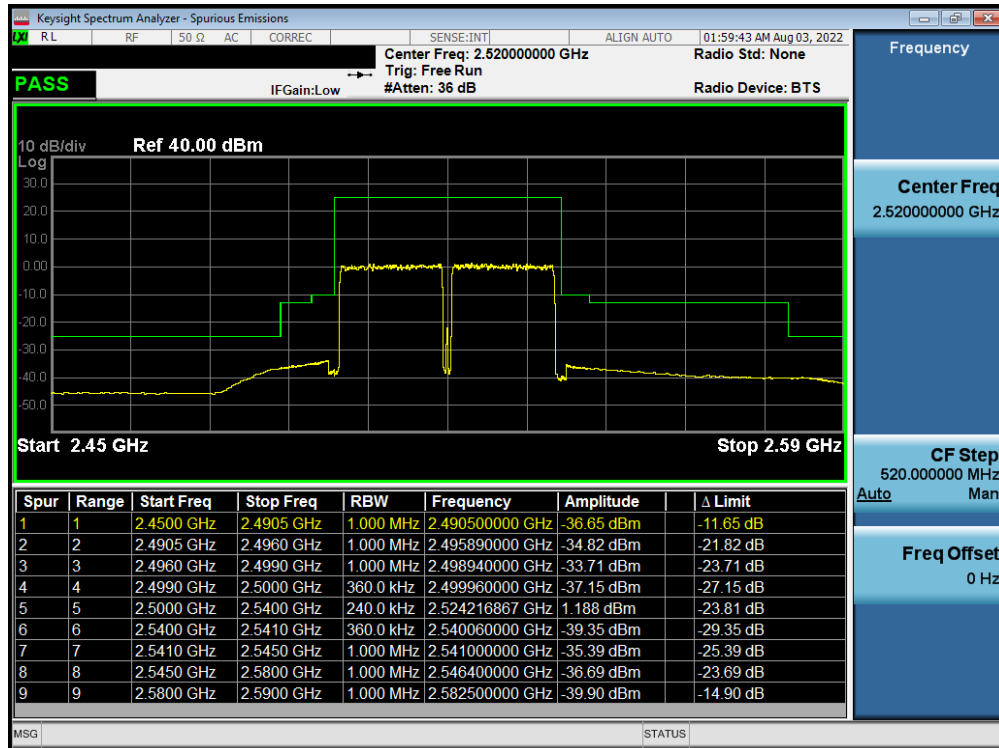
Plot 7-298. Upper ACP Plot (NR Band n41 - 100MHz CP-OFDM QPSK – Full RB)

FCC ID: BCGA2435	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090025-04-R1.BCG	Test Dates: 6/1/2022 – 9/12/2022	EUT Type: Tablet Device	Page 175 of 274

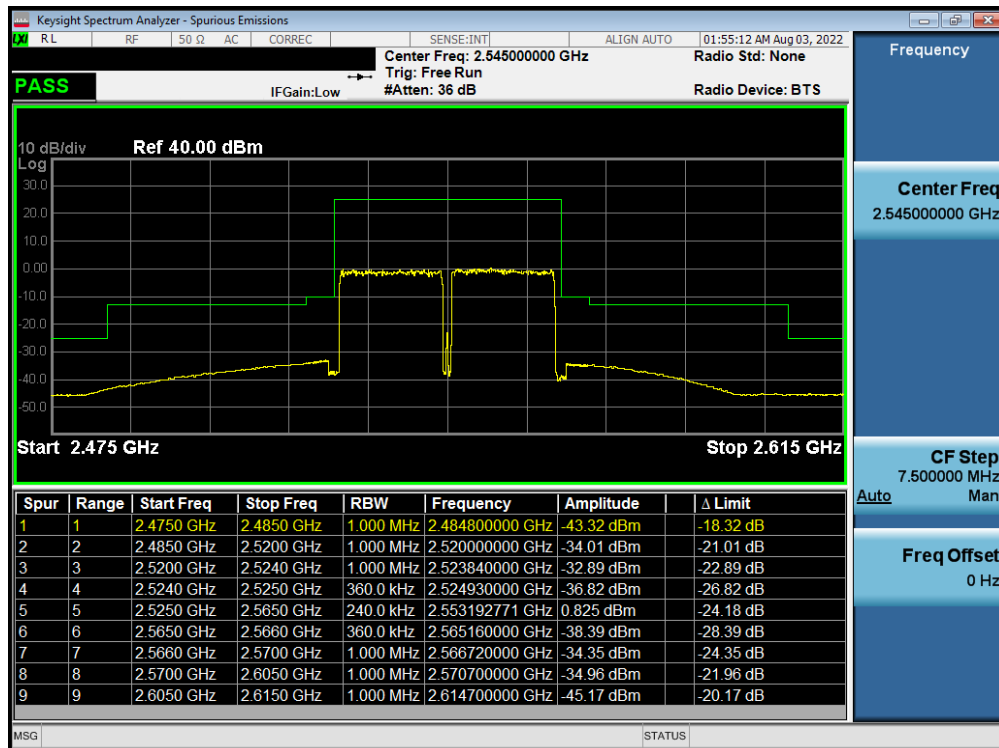
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ULCA - LTE Band 7

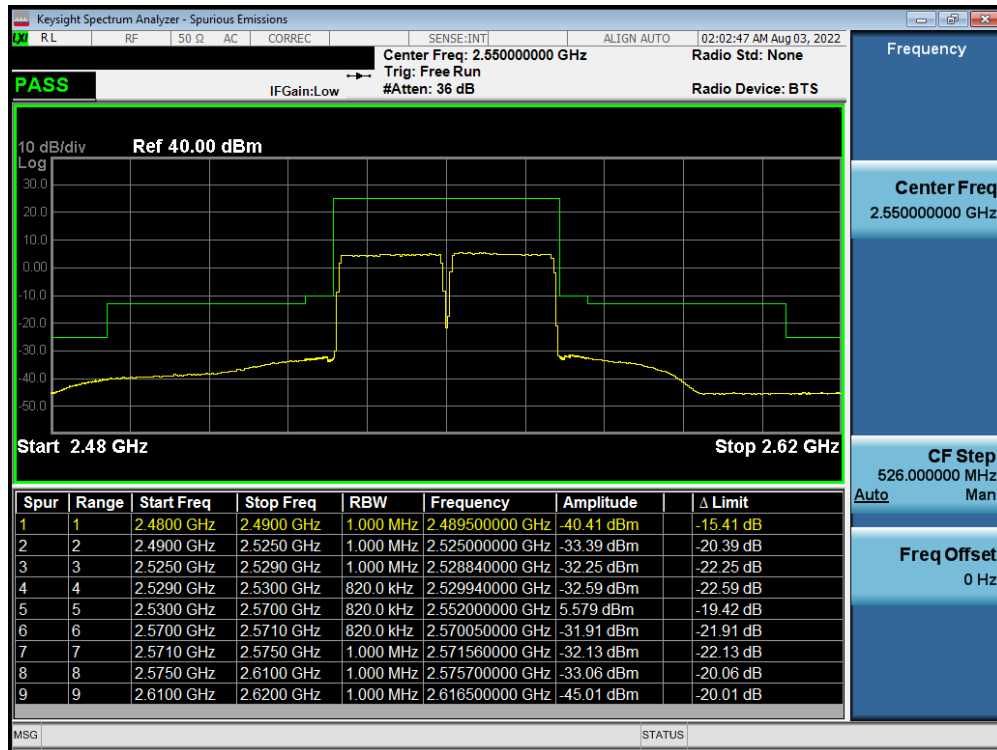


Plot 7-299. Lower ACP Plot (ULCA LTE B7 – (20+20)MHz QPSK – Full RB)



Plot 7-300. Middle ACP Plot (ULCA LTE B7 – (20+20)MHz QPSK – Full RB)

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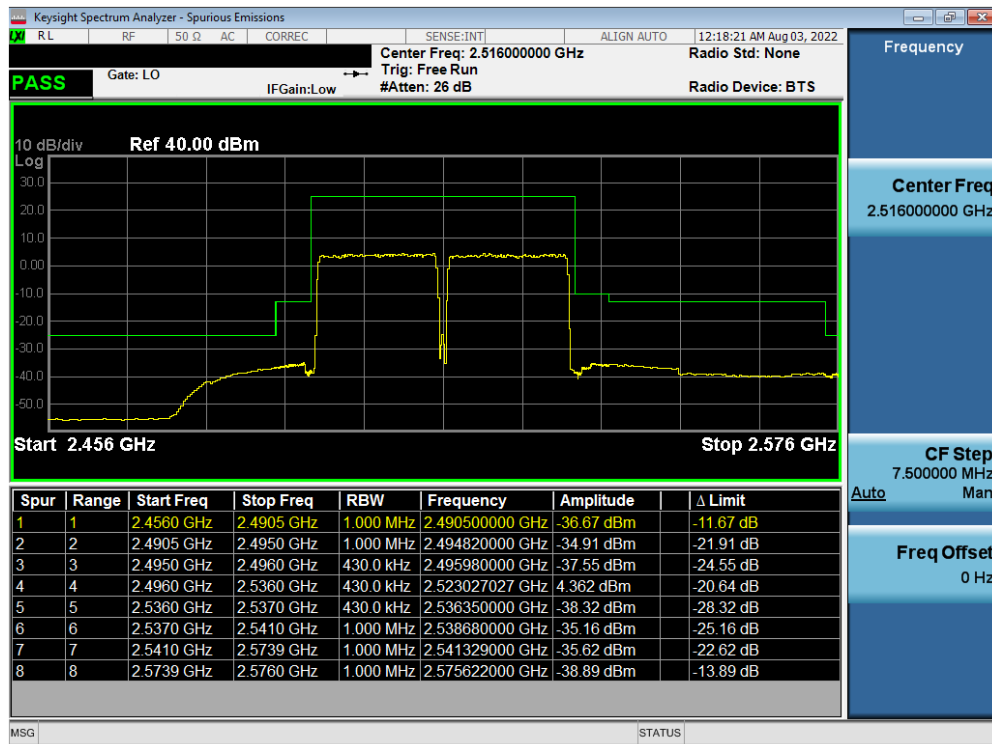


Plot 7-301. Upper ACP Plot (ULCA LTE B7 – (20+20)MHz QPSK – Full RB)

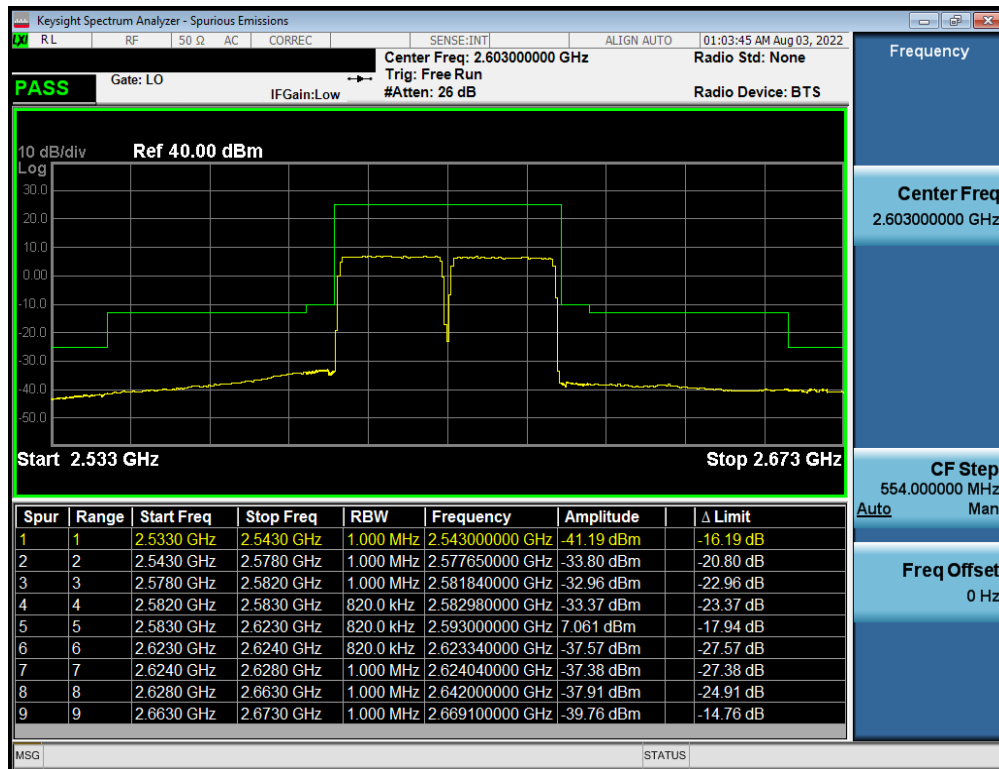
FCC ID: BCGA2435	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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ULCA - LTE Band 41

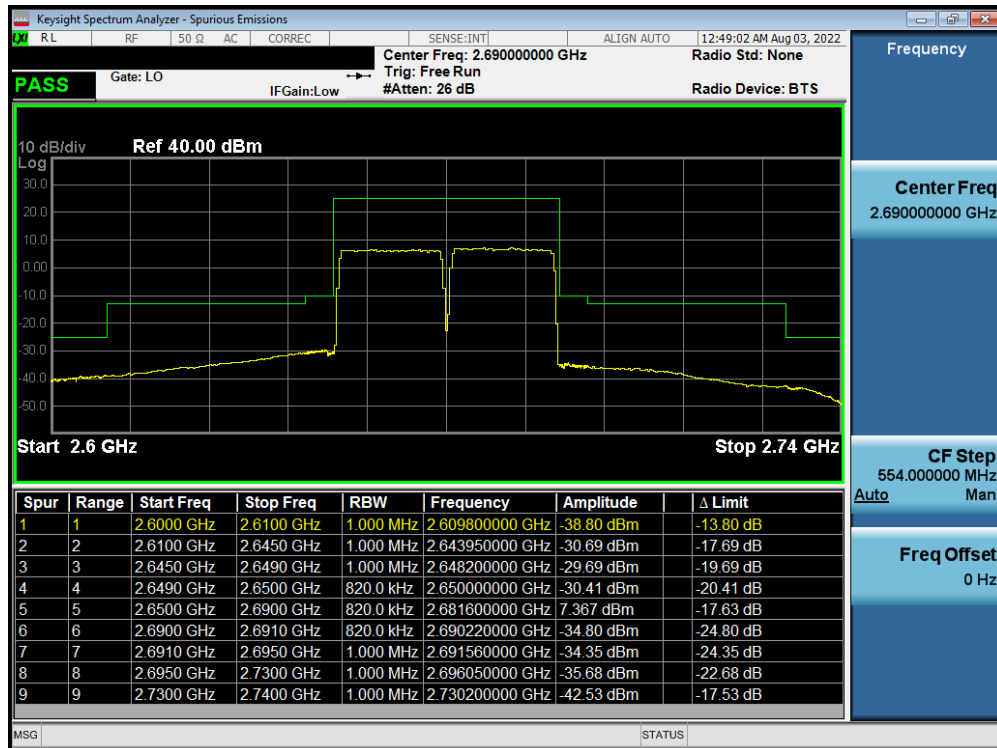


Plot 7-302. Lower ACP Plot (ULCA LTE B41 – (20+20)MHz QPSK – Full RB)



Plot 7-303. Middle ACP Plot (ULCA LTE B41 – (20+20)MHz QPSK – Full RB)

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Plot 7-304. Upper ACP Plot (ULCA LTE B41 – (20+20)MHz QPSK – Full RB)

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7.5 Additional Maximum Power Reduction (A-MPR)

§2.1046

Test Overview

A-MPR is implemented in this device when operating at Power Class 2 in LTE Band 41 per the A-MPR specification in 3GPP TS 36.101. The conducted powers are shown herein to cover the different A-MPR levels specified in the standard. Conducted power measurements are performed to measure the average output power of the EUT. The averaging is to be performed only over duration of active transmissions at maximum output power level. The average measurements do not include averaging over periods when the transmitter is quiescent or when operating at reduced power level. All ports were tested and only the worst case data were reported.

Test Procedure Used

KDB 971168 D01 v03

Test Setup

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

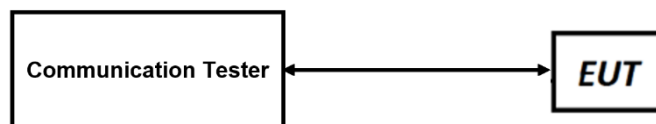


Figure 7-4. Conducted Power Measurement Setup

Test Notes

None.

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Test Case	NS	MCC	MNC	Channel BW [MHz]	Channel Number	Channel Frequency [MHz]	RB Size	RB Offset	A-MPR [dB]	Modulation	MPR [dB]	Measured Power [dBm]	Lowest Typical Power [dBm]	Delta [dB]
1	01	312	530	5	39675	2498.5	1	0	3	QPSK	0	25.80	24.7	1.10
										16-QAM	1	25.29	23.7	1.59
										64-QAM	2	24.44	22.7	1.74
										256-QAM	4	23.49	20.7	2.79
2				5	39675	2498.5	1	9	0	QPSK	0	28.70	27.7	1.00
										16-QAM	1	28.41	26.7	1.71
										64-QAM	2	27.55	25.7	1.85
										256-QAM	4	24.38	23.7	0.68
3				10	39700	2501	1	0	5	QPSK	0	23.81	22.7	1.11
										16-QAM	1	23.33	21.7	1.63
										64-QAM	2	22.38	20.7	1.68
										256-QAM	4	19.23	18.7	0.53
4				10	39700	2501	20	0	2	QPSK	0	26.15	25.7	0.45
										16-QAM	1	25.43	24.7	0.73
										64-QAM	2	24.42	23.7	0.72
										256-QAM	4	22.36	21.7	0.66
5				10	39700	2501	50	0	3	QPSK	0	25.30	24.7	0.60
										16-QAM	1	24.33	23.7	0.63
										64-QAM	2	23.28	22.7	0.58
										256-QAM	4	21.36	20.7	0.66
6				10	39700	2501	25	20	1	QPSK	0	27.30	26.7	0.60
										16-QAM	1	26.28	25.7	0.58
										64-QAM	2	25.38	24.7	0.68
										256-QAM	4	24.32	22.7	1.62
7				10	39700	2501	1	36	0	QPSK	0	28.70	27.7	1.00
										16-QAM	1	28.32	26.7	1.62
										64-QAM	2	27.46	25.7	1.76
										256-QAM	4	24.22	23.7	0.52
8				15	39725	2503.5	1	0	5	QPSK	0	23.53	22.7	0.83
										16-QAM	1	22.94	21.7	1.24
										64-QAM	2	22.04	20.7	1.34
										256-QAM	4	19.08	18.7	0.38
9				15	39725	2503.5	20	0	2	QPSK	0	26.10	25.7	0.40
										16-QAM	1	25.15	24.7	0.45
										64-QAM	2	24.17	23.7	0.47
										256-QAM	4	22.18	21.7	0.48
10				15	39725	2503.5	75	0	4	QPSK	0	24.25	23.7	0.55
										16-QAM	1	23.22	22.7	0.52
										64-QAM	2	22.25	21.7	0.55
										256-QAM	4	20.26	19.7	0.56
11				15	39725	2503.5	50	15	3	QPSK	0	25.23	24.7	0.53
										16-QAM	1	24.26	23.7	0.56
										64-QAM	2	23.22	22.7	0.52
										256-QAM	4	21.18	20.7	0.48
12				15	39725	2503.5	1	60	0	QPSK	0	28.69	27.7	0.99
										16-QAM	1	28.28	26.7	1.58
										64-QAM	2	27.44	25.7	1.74
										256-QAM	4	24.06	23.7	0.36
13				20	39750	2506	1	0	5	QPSK	0	23.49	22.7	0.79
										16-QAM	1	23.12	21.7	1.42
										64-QAM	2	21.97	20.7	1.27
										256-QAM	4	19.13	18.7	0.43
14				20	39750	2506	20	0	2	QPSK	0	26.06	25.7	0.36
										16-QAM	1	25.13	24.7	0.43
										64-QAM	2	24.13	23.7	0.43
										256-QAM	4	22.08	21.7	0.38
15				20	39750	2506	100	0	4	QPSK	0	24.08	23.7	0.38
										16-QAM	1	23.20	22.7	0.50
										64-QAM	2	22.18	21.7	0.48
										256-QAM	4	20.08	19.7	0.38
16				20	39750	2506	75	24	3	QPSK	0	25.06	24.7	0.36
										16-QAM	1	24.26	23.7	0.56
										64-QAM	2	23.15	22.7	0.45
										256-QAM	4	21.11	20.7	0.41
17				20	39750	2506	1	77	0	QPSK	0	28.54	27.7	0.84
										16-QAM	1	28.25	26.7	1.55
										64-QAM	2	27.33	25.7	1.63
										256-QAM	4	24.05	23.7	0.35
18	01	311	490	5	39675	2498.5	1	0	3	QPSK	0	25.77	24.7	1.07
										16-QAM	1	25.41	23.7	1.71
										64-QAM	2	24.45	22.7	1.75
										256-QAM	4	21.20	20.7	0.50
19	01	001	01	5	39675	2498.5	1	0	0	QPSK	0	28.70	27.7	1.00
										16-QAM	1	28.41	26.7	1.71
										64-QAM	2	27.33	25.7	1.63
										256-QAM	4	24.22	23.7	0.52

Table 7-2. A-MPR Conducted Power Measurements

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7.6 Radiated Power (EIRP)

§27.50(a)(3), §27.50(h)(2)

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 – Section 5.2.5.5

Test Settings

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

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

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.

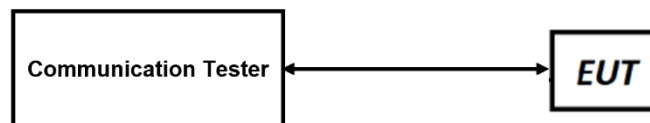


Figure 7-5. EIRP Measurement Setup

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Test Notes

1. The EUT was tested in all possible test configurations. The worst case emissions are reported with the EUT modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
2. This unit was tested with its standard battery.
3. The Level (dBm) readings in the table were taken with a correction table loaded into the base station simulator. The correction table was used to account for the signal attenuation in the connecting cable between the transmitter and antenna.
4. Uplink carrier aggregation for LTE Band 7 is only supported in this EUT while operating in Power Class 3.
5. Uplink carrier aggregation for LTE Band 41 is supported in this EUT while operating in Power Class 2 and 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 ULCA, compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater for frequencies less than 1 GHz and 1 MHz or greater for frequencies greater than 1 GHz.

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7.6.1 Antenna 4b – EIRP

LTE Band 30

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2307.5	-0.30	1 / 12	23.30	23.00	0.200	23.98	-0.98
		2310.0	-0.30	1 / 12	22.96	22.66	0.185	23.98	-1.32
		2312.5	-0.30	1 / 12	22.76	22.46	0.176	23.98	-1.52
	16-QAM	2307.5	-0.30	1 / 12	22.22	21.92	0.156	23.98	-2.06
	64-QAM	2310.0	-0.30	1 / 0	21.31	21.01	0.126	23.98	-2.97
	256-QAM	2312.5	-0.30	1 / 0	18.23	17.93	0.062	23.98	-6.05
10 MHz	QPSK	2310.0	-0.30	1 / 0	23.30	23.00	0.200	23.98	-0.98
	16-QAM	2310.0	-0.30	1 / 0	22.54	22.24	0.167	23.98	-1.74
	64-QAM	2310.0	-0.30	1 / 0	21.83	21.53	0.142	23.98	-2.45
	256-QAM	2310.0	-0.30	1 / 25	18.15	17.85	0.061	23.98	-6.13

Table 7-3. Antenna 4b EIRP Data (LTE Band 30)

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LTE Band 7

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2502.5	0.20	1 / 0	25.61	25.81	0.381	33.01	-7.20
		2535.0	0.20	1 / 12	25.09	25.29	0.338	33.01	-7.72
		2567.5	0.20	1 / 12	25.70	25.90	0.389	33.01	-7.11
	16-QAM	2502.5	0.20	1 / 0	24.69	24.89	0.308	33.01	-8.12
	64-QAM	2567.5	0.20	1 / 24	23.97	24.17	0.261	33.01	-8.84
	256-QAM	2567.5	0.20	1 / 24	20.91	21.11	0.129	33.01	-11.90
10 MHz	QPSK	2505.0	0.20	1 / 0	25.56	25.76	0.377	33.01	-7.25
		2535.0	0.20	1 / 49	25.08	25.28	0.337	33.01	-7.73
		2565.0	0.20	1 / 49	25.70	25.90	0.389	33.01	-7.11
	16-QAM	2565.0	0.20	1 / 49	24.75	24.95	0.313	33.01	-8.06
	64-QAM	2565.0	0.20	1 / 49	23.81	24.01	0.252	33.01	-9.00
	256-QAM	2505.0	0.20	1 / 0	20.77	20.97	0.125	33.01	-12.04
15 MHz	QPSK	2507.5	0.20	1 / 0	25.39	25.59	0.362	33.01	-7.42
		2535.0	0.20	1 / 74	25.29	25.49	0.354	33.01	-7.52
		2562.5	0.20	1 / 74	25.70	25.90	0.389	33.01	-7.11
	16-QAM	2562.5	0.20	1 / 74	24.79	24.99	0.316	33.01	-8.02
	64-QAM	2562.5	0.20	1 / 74	23.94	24.14	0.259	33.01	-8.87
	256-QAM	2562.5	0.20	1 / 74	21.21	21.41	0.138	33.01	-11.60
20 MHz	QPSK	2510.0	0.20	1 / 0	25.22	25.42	0.348	33.01	-7.59
		2535.0	0.20	1 / 99	24.89	25.09	0.323	33.01	-7.92
		2560.0	0.20	1 / 99	25.70	25.90	0.389	33.01	-7.11
	16-QAM	2560.0	0.20	1 / 50	24.90	25.10	0.324	33.01	-7.91
	64-QAM	2560.0	0.20	1 / 99	23.84	24.04	0.254	33.01	-8.97
	256-QAM	2510.0	0.20	1 / 50	20.85	21.05	0.127	33.01	-11.96

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

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 41 (PC2)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2498.5	-0.40	1 / 12	27.63	27.23	0.528	33.01	-5.78
		2593.0	-0.40	1 / 12	27.27	26.87	0.486	33.01	-6.14
		2687.5	-0.40	1 / 12	27.70	27.30	0.537	33.01	-5.71
	16-QAM	2687.5	-0.40	1 / 12	27.33	26.93	0.493	33.01	-6.08
	64-QAM	2687.5	-0.40	1 / 24	26.29	25.89	0.388	33.01	-7.12
	256-QAM	2687.5	-0.40	1 / 12	23.45	23.05	0.202	33.01	-9.96
10 MHz	QPSK	2501.0	-0.40	1 / 25	27.40	27.00	0.501	33.01	-6.01
		2593.0	-0.40	1 / 25	27.34	26.94	0.494	33.01	-6.07
		2685.0	-0.40	1 / 49	27.70	27.30	0.537	33.01	-5.71
	16-QAM	2685.0	-0.40	1 / 0	27.11	26.71	0.469	33.01	-6.30
	64-QAM	2685.0	-0.40	1 / 25	25.90	25.50	0.355	33.01	-7.51
	256-QAM	2685.0	-0.40	1 / 25	23.31	22.91	0.195	33.01	-10.10
15 MHz	QPSK	2503.5	-0.40	1 / 74	27.51	27.11	0.514	33.01	-5.90
		2593.0	-0.40	1 / 37	27.41	27.01	0.502	33.01	-6.00
		2682.5	-0.40	1 / 37	27.70	27.30	0.537	33.01	-5.71
	16-QAM	2682.5	-0.40	1 / 37	27.25	26.85	0.484	33.01	-6.16
	64-QAM	2682.5	-0.40	1 / 37	26.20	25.80	0.380	33.01	-7.21
	256-QAM	2682.5	-0.40	1 / 37	23.27	22.87	0.194	33.01	-10.14
20 MHz	QPSK	2506.0	-0.40	1 / 99	27.36	26.96	0.497	33.01	-6.05
		2593.0	-0.40	1 / 99	27.26	26.86	0.485	33.01	-6.15
		2680.0	-0.40	1 / 50	27.70	27.30	0.537	33.01	-5.71
	16-QAM	2680.0	-0.40	1 / 50	27.31	26.91	0.491	33.01	-6.10
	64-QAM	2680.0	-0.40	1 / 50	26.17	25.77	0.378	33.01	-7.24
	256-QAM	2680.0	-0.40	1 / 50	23.00	22.60	0.182	33.01	-10.41

Table 7-5. Antenna 4b EIRP Data (LTE Band 41(PC2))

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 41 (PC3)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2498.5	-0.40	1 / 24	25.53	25.13	0.326	33.01	-7.88
		2593.0	-0.40	1 / 12	25.49	25.09	0.323	33.01	-7.92
		2687.5	-0.40	1 / 24	25.70	25.30	0.339	33.01	-7.71
	16-QAM	2687.5	-0.40	1 / 12	25.25	24.85	0.305	33.01	-8.16
	64-QAM	2687.5	-0.40	1 / 12	24.33	23.93	0.247	33.01	-9.08
	256-QAM	2687.5	-0.40	1 / 0	21.36	20.96	0.125	33.01	-12.05
10 MHz	QPSK	2501.0	-0.40	1 / 25	25.60	25.20	0.331	33.01	-7.81
		2593.0	-0.40	1 / 25	25.54	25.14	0.327	33.01	-7.87
		2685.0	-0.40	1 / 25	25.70	25.30	0.339	33.01	-7.71
	16-QAM	2685.0	-0.40	1 / 25	25.18	24.78	0.301	33.01	-8.23
	64-QAM	2593.0	-0.40	1 / 25	24.07	23.67	0.233	33.01	-9.34
	256-QAM	2685.0	-0.40	1 / 25	21.33	20.93	0.124	33.01	-12.08
15 MHz	QPSK	2503.5	-0.40	1 / 74	25.61	25.21	0.332	33.01	-7.80
		2593.0	-0.40	1 / 37	25.54	25.14	0.327	33.01	-7.87
		2682.5	-0.40	1 / 37	25.70	25.30	0.339	33.01	-7.71
	16-QAM	2682.5	-0.40	1 / 74	25.23	24.83	0.304	33.01	-8.18
	64-QAM	2593.0	-0.40	1 / 37	24.03	23.63	0.231	33.01	-9.38
	256-QAM	2682.5	-0.40	1 / 37	21.30	20.90	0.123	33.01	-12.11
20 MHz	QPSK	2506.0	-0.40	1 / 99	25.36	24.96	0.313	33.01	-8.05
		2593.0	-0.40	1 / 99	25.31	24.91	0.310	33.01	-8.10
		2680.0	-0.40	1 / 50	25.70	25.30	0.339	33.01	-7.71
	16-QAM	2680.0	-0.40	1 / 50	25.26	24.86	0.306	33.01	-8.15
	64-QAM	2680.0	-0.40	1 / 99	23.98	23.58	0.228	33.01	-9.43
	256-QAM	2680.0	-0.40	1 / 50	21.24	20.84	0.121	33.01	-12.17

Table 7-6. Antenna 4b EIRP Data (LTE Band 41(PC3))

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090025-04-R1.BCG	Test Dates: 6/1/2022 – 9/12/2022	EUT Type: Tablet Device	Page 187 of 274

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NR Band n30

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	$\pi/2$ BPSK	2307.5	-0.30	1 / 23	23.14	22.84	0.192	23.98	-1.14
		2310.0	-0.30	1 / 23	23.30	23.00	0.200	23.98	-0.98
		2312.5	-0.30	1 / 12	23.19	22.89	0.195	23.98	-1.08
	QPSK	2307.5	-0.30	1 / 23	23.20	22.90	0.195	23.98	-1.08
		2310.0	-0.30	1 / 1	22.99	22.69	0.186	23.98	-1.28
		2312.5	-0.30	1 / 1	22.91	22.61	0.182	23.98	-1.37
	16-QAM	2310.0	-0.30	1 / 23	22.70	22.40	0.174	23.98	-1.58
10 MHz	64-QAM	2307.5	-0.30	1 / 12	21.04	20.74	0.119	23.98	-3.23
	256-QAM	2307.5	-0.30	1 / 12	18.80	18.50	0.071	23.98	-5.47
	$\pi/2$ BPSK	2310.0	-0.30	1 / 50	23.30	23.00	0.200	23.98	-0.98
	QPSK	2310.0	-0.30	1 / 25	23.30	23.00	0.199	23.98	-0.98
	16-QAM	2310.0	-0.30	1 / 25	22.69	22.39	0.174	23.98	-1.58
	64-QAM	2310.0	-0.30	1 / 25	20.70	20.40	0.110	23.98	-3.58
	256-QAM	2310.0	-0.30	1 / 1	18.75	18.45	0.070	23.98	-5.53

Table 7-7. Antenna 4b EIRP Data (NR Band n30)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090025-04-R1.BCG	Test Dates: 6/1/2022 – 9/12/2022	EUT Type: Tablet Device	Page 188 of 274

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NR Band n7

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	$\pi/2$ BPSK	2502.5	0.20	1 / 23	25.41	25.61	0.364	33.01	-7.40
		2535.0	0.20	1 / 23	25.25	25.45	0.351	33.01	-7.56
		2567.5	0.20	1 / 23	25.09	25.29	0.338	33.01	-7.72
	QPSK	2502.5	0.20	1 / 23	25.21	25.41	0.348	33.01	-7.60
		2535.0	0.20	1 / 12	25.70	25.90	0.389	33.01	-7.11
		2567.5	0.20	1 / 12	25.09	25.29	0.338	33.01	-7.72
	16-QAM	2502.5	0.20	1 / 23	25.17	25.37	0.344	33.01	-7.64
	64-QAM	2535.0	0.20	1 / 12	23.24	23.44	0.221	33.01	-9.57
	256-QAM	2535.0	0.20	1 / 12	20.97	21.17	0.131	33.01	-11.84
10 MHz	$\pi/2$ BPSK	2505.0	0.20	1 / 1	25.70	25.90	0.389	33.01	-7.11
		2535.0	0.20	1 / 25	25.37	25.57	0.361	33.01	-7.44
		2565.0	0.20	1 / 50	25.54	25.74	0.375	33.01	-7.27
	QPSK	2505.0	0.20	1 / 1	25.57	25.77	0.378	33.01	-7.24
		2535.0	0.20	1 / 1	25.57	25.77	0.378	33.01	-7.24
		2565.0	0.20	1 / 50	25.51	25.71	0.372	33.01	-7.31
	16-QAM	2505.0	0.20	1 / 1	24.95	25.15	0.327	33.01	-7.86
	64-QAM	2505.0	0.20	1 / 50	23.46	23.66	0.232	33.01	-9.35
	256-QAM	2505.0	0.20	1 / 50	21.38	21.58	0.144	33.01	-11.43
15 MHz	$\pi/2$ BPSK	2507.5	0.20	1 / 73	25.70	25.90	0.389	33.01	-7.11
		2535.0	0.20	1 / 1	25.54	25.74	0.375	33.01	-7.27
		2562.5	0.20	1 / 37	25.53	25.73	0.374	33.01	-7.28
	QPSK	2507.5	0.20	1 / 73	25.49	25.69	0.370	33.01	-7.32
		2535.0	0.20	1 / 37	25.62	25.82	0.382	33.01	-7.19
		2562.5	0.20	1 / 73	25.51	25.71	0.372	33.01	-7.30
	16-QAM	2507.5	0.20	1 / 1	24.97	25.17	0.329	33.01	-7.84
	64-QAM	2562.5	0.20	1 / 1	23.20	23.40	0.219	33.01	-9.61
	256-QAM	2562.5	0.20	1 / 37	21.20	21.40	0.138	33.01	-11.61
20 MHz	$\pi/2$ BPSK	2510.0	0.20	1 / 1	25.51	25.71	0.372	33.01	-7.30
		2535.0	0.20	1 / 98	25.27	25.47	0.353	33.01	-7.54
		2560.0	0.20	1 / 50	25.44	25.64	0.367	33.01	-7.37
	QPSK	2510.0	0.20	1 / 50	25.48	25.68	0.370	33.01	-7.33
		2535.0	0.20	1 / 1	25.70	25.90	0.389	33.01	-7.11
		2560.0	0.20	1 / 1	25.28	25.48	0.353	33.01	-7.53
	16-QAM	2535.0	0.20	1 / 98	24.85	25.05	0.320	33.01	-7.96
	64-QAM	2510.0	0.20	1 / 50	23.19	23.39	0.218	33.01	-9.62
	256-QAM	2510.0	0.20	1 / 1	20.87	21.07	0.128	33.01	-11.94
25 MHz	$\pi/2$ BPSK	2512.5	0.20	1 / 1	25.62	25.82	0.382	33.01	-7.19
		2535.0	0.20	1 / 1	25.67	25.87	0.386	33.01	-7.14
		2557.5	0.20	1 / 1	25.70	25.90	0.389	33.01	-7.11
	QPSK	2512.5	0.20	1 / 1	25.44	25.64	0.367	33.01	-7.37
		2535.0	0.20	1 / 131	25.28	25.48	0.353	33.01	-7.53
		2557.5	0.20	1 / 1	25.56	25.76	0.377	33.01	-7.25
	16-QAM	2512.5	0.20	1 / 131	24.99	25.19	0.330	33.01	-7.82
	64-QAM	2557.5	0.20	1 / 131	23.24	23.44	0.221	33.01	-9.57
	256-QAM	2512.5	0.20	1 / 66	20.87	21.07	0.128	33.01	-11.94
30 MHz	$\pi/2$ BPSK	2515.0	0.20	1 / 158	25.70	25.90	0.389	33.01	-7.11
		2535.0	0.20	1 / 80	25.39	25.59	0.362	33.01	-7.42
		2555.0	0.20	1 / 80	25.26	25.46	0.351	33.01	-7.55
	QPSK	2515.0	0.20	1 / 80	25.31	25.51	0.356	33.01	-7.50
		2535.0	0.20	1 / 80	25.68	25.88	0.388	33.01	-7.13
		2555.0	0.20	1 / 80	25.25	25.45	0.351	33.01	-7.56
	16-QAM	2535.0	0.20	1 / 80	24.91	25.11	0.324	33.01	-7.90
	64-QAM	2535.0	0.20	1 / 80	23.42	23.62	0.230	33.01	-9.39
	256-QAM	2535.0	0.20	1 / 80	21.21	21.41	0.138	33.01	-11.60
40 MHz	$\pi/2$ BPSK	2520.0	0.20	1 / 1	25.70	25.90	0.389	33.01	-7.11
		2535.0	0.20	1 / 1	25.67	25.87	0.386	33.01	-7.14
		2550.0	0.20	1 / 108	25.32	25.52	0.356	33.01	-7.50
	QPSK	2520.0	0.20	1 / 1	25.44	25.64	0.367	33.01	-7.37
		2535.0	0.20	1 / 1	25.70	25.90	0.389	33.01	-7.11
		2550.0	0.20	1 / 1	25.44	25.64	0.366	33.01	-7.37
	16-QAM	2520.0	0.20	1 / 108	24.97	25.17	0.329	33.01	-7.84
	64-QAM	2535.0	0.20	1 / 108	22.96	23.16	0.207	33.01	-9.85
	256-QAM	2535.0	0.20	1 / 108	20.99	21.19	0.132	33.01	-11.82

Table 7-8. Antenna 4b EIRP Data (NR Band n7)

FCC ID: BCGA2435		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n41 (PC2)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	π/2 BPSK	2506.0	-0.40	1 / 25	26.85	26.45	0.442	33.01	-6.56
		2593.0	-0.40	1 / 1	27.45	27.05	0.507	33.01	-5.96
		2680.0	-0.40	1 / 49	27.31	26.91	0.491	33.01	-6.10
	QPSK	2506.0	-0.40	1 / 25	26.40	26.00	0.398	33.01	-7.01
		2593.0	-0.40	1 / 25	26.93	26.53	0.450	33.01	-6.48
		2680.0	-0.40	1 / 25	27.40	27.00	0.501	33.01	-6.02
	16-QAM	2510.0	-0.40	1 / 25	26.81	26.41	0.437	33.01	-6.60
	64-QAM	2593.0	-0.40	1 / 25	25.23	24.83	0.304	33.01	-8.18
256-QAM	2680.0	-0.40	1 / 25	23.05	22.65	0.184	33.01	-10.36	
30 MHz	π/2 BPSK	2511.0	-0.40	1 / 39	26.82	26.42	0.439	33.01	-6.59
		2593.0	-0.40	1 / 76	27.42	27.02	0.503	33.01	-5.99
		2675.0	-0.40	1 / 39	27.11	26.71	0.468	33.01	-6.30
	QPSK	2511.0	-0.40	1 / 39	26.35	25.95	0.394	33.01	-7.06
		2593.0	-0.40	1 / 76	26.99	26.59	0.456	33.01	-6.42
		2675.0	-0.40	1 / 39	27.48	27.08	0.510	33.01	-5.93
	16-QAM	2593.0	-0.40	1 / 39	26.79	26.39	0.435	33.01	-6.62
	64-QAM	2515.0	-0.40	1 / 39	25.29	24.89	0.308	33.01	-8.12
256-QAM	2593.0	-0.40	1 / 39	22.95	22.55	0.180	33.01	-10.46	
40 MHz	π/2 BPSK	2516.0	-0.40	1 / 53	27.04	26.64	0.461	33.01	-6.37
		2593.0	-0.40	1 / 53	27.46	27.06	0.508	33.01	-5.95
		2670.0	-0.40	1 / 53	27.63	27.23	0.529	33.01	-5.78
	QPSK	2516.0	-0.40	1 / 53	26.53	26.13	0.410	33.01	-6.88
		2593.0	-0.40	1 / 53	27.54	27.14	0.518	33.01	-5.87
		2670.0	-0.40	1 / 53	27.17	26.77	0.475	33.01	-6.25
	16-QAM	2593.0	-0.40	1 / 53	26.80	26.40	0.437	33.01	-6.61
	64-QAM	2670.0	-0.40	1 / 53	25.49	25.09	0.323	33.01	-7.92
256-QAM	2670.0	-0.40	1 / 53	23.42	23.02	0.200	33.01	-9.99	
50 MHz	π/2 BPSK	2521.0	-0.40	1 / 66	26.94	26.54	0.451	33.01	-6.47
		2593.0	-0.40	1 / 66	27.70	27.30	0.537	33.01	-5.71
		2665.0	-0.40	1 / 66	26.98	26.58	0.455	33.01	-6.43
	QPSK	2521.0	-0.40	1 / 66	25.61	25.21	0.332	33.01	-7.80
		2593.0	-0.40	1 / 66	26.26	25.86	0.386	33.01	-7.15
		2665.0	-0.40	1 / 66	26.01	25.61	0.364	33.01	-7.40
	16-QAM	2665.0	-0.40	1 / 66	25.73	25.33	0.341	33.01	-7.68
	64-QAM	2521.0	-0.40	1 / 66	24.51	24.11	0.257	33.01	-8.90
256-QAM	2593.0	-0.40	1 / 66	22.80	22.40	0.174	33.01	-10.61	
60 MHz	π/2 BPSK	2526.0	-0.40	1 / 81	27.04	26.64	0.461	33.01	-6.37
		2593.0	-0.40	1 / 81	27.70	27.30	0.537	33.01	-5.71
		2660.0	-0.40	1 / 1	27.55	27.15	0.519	33.01	-5.86
	QPSK	2526.0	-0.40	1 / 81	25.81	25.41	0.347	33.01	-7.60
		2593.0	-0.40	1 / 81	27.33	26.93	0.494	33.01	-6.08
		2660.0	-0.40	1 / 1	26.79	26.39	0.436	33.01	-6.62
	16-QAM	2593.0	-0.40	1 / 81	26.36	25.96	0.394	33.01	-7.05
	64-QAM	2526.0	-0.40	1 / 81	24.69	24.29	0.269	33.01	-8.72
256-QAM	2526.0	-0.40	1 / 81	23.05	22.65	0.184	33.01	-10.36	
70 MHz	π/2 BPSK	2531.0	-0.40	1 / 90	27.00	26.60	0.457	33.01	-6.41
		2593.0	-0.40	1 / 90	27.46	27.06	0.508	33.01	-5.95
		2655.0	-0.40	1 / 1	27.75	27.35	0.543	33.01	-5.66
	QPSK	2531.0	-0.40	1 / 90	25.78	25.38	0.346	33.01	-7.63
		2593.0	-0.40	1 / 90	26.85	26.45	0.442	33.01	-6.56
		2655.0	-0.40	1 / 1	26.98	26.58	0.455	33.01	-6.43
	16-QAM	2655.0	-0.40	1 / 1	25.93	25.53	0.357	33.01	-7.48
	64-QAM	2593.0	-0.40	1 / 90	24.63	24.23	0.265	33.01	-8.78
256-QAM	2593.0	-0.40	1 / 90	22.92	22.52	0.179	33.01	-10.49	
80 MHz	π/2 BPSK	2536.0	-0.40	1 / 108	26.81	26.41	0.438	33.01	-6.60
		2593.0	-0.40	1 / 108	27.23	26.83	0.482	33.01	-6.18
		2650.0	-0.40	1 / 108	27.51	27.11	0.513	33.01	-5.90
	QPSK	2536.0	-0.40	1 / 108	25.56	25.16	0.328	33.01	-7.85
		2593.0	-0.40	1 / 108	26.28	25.88	0.387	33.01	-7.13
		2650.0	-0.40	1 / 108	27.01	26.61	0.458	33.01	-6.40
	16-QAM	2593.0	-0.40	1 / 108	26.08	25.68	0.370	33.01	-7.33
	64-QAM	2593.0	-0.40	1 / 108	24.71	24.31	0.270	33.01	-8.70
256-QAM	2536.0	-0.40	1 / 108	22.81	22.41	0.174	33.01	-10.60	
90 MHz	π/2 BPSK	2541.0	-0.40	1 / 122	26.81	26.41	0.437	33.01	-6.60
		2593.0	-0.40	1 / 122	27.70	27.30	0.537	33.01	-5.71
		2645.0	-0.40	1 / 243	27.34	26.94	0.494	33.01	-6.07
	QPSK	2541.0	-0.40	1 / 122	25.43	25.03	0.319	33.01	-7.98
		2593.0	-0.40	1 / 122	26.45	26.05	0.403	33.01	-6.96
		2645.0	-0.40	1 / 243	26.76	26.36	0.432	33.01	-6.65
	16-QAM	2645.0	-0.40	1 / 1	26.36	25.96	0.394	33.01	-7.05
	64-QAM	2541.0	-0.40	1 / 122	24.47	24.07	0.255	33.01	-8.94
256-QAM	2645.0	-0.40	1 / 122	22.84	22.44	0.175	33.01	-10.57	
100 MHz	π/2 BPSK	2546.0	-0.40	1 / 136	26.71	26.31	0.428	33.01	-6.70
		2593.0	-0.40	1 / 136	27.70	27.30	0.537	33.01	-5.71
		2640.0	-0.40	1 / 1	27.18	26.78	0.476	33.01	-6.23
	QPSK	2546.0	-0.40	1 / 271	25.47	25.07	0.321	33.01	-7.94
		2593.0	-0.40	1 / 136	26.27	25.87	0.386	33.01	-7.14
		2640.0	-0.40	1 / 136	26.77	26.37	0.434	33.01	-6.64
	16-QAM	2640.0	-0.40	1 / 1	26.26	25.86	0.385	33.01	-7.15
	64-QAM	2640.0	-0.40	1 / 1	24.50	24.10	0.257	33.01	-8.91
256-QAM	2640.0	-0.40	1 / 1	22.65	22.25	0.168	33.01	-10.76	

Table 7-9. Antenna 4b EIRP Data (NR Band n41 PC2)

FCC ID: BCGA2435		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41 (PC3)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	π/2 BPSK	2510.0	-0.40	1 / 25	25.56	25.16	0.328	33.01	-7.85
		2593.0	-0.40	1 / 25	25.59	25.19	0.331	33.01	-7.82
		2680.0	-0.40	1 / 25	25.70	25.30	0.339	33.01	-7.71
	QPSK	2510.0	-0.40	1 / 25	25.60	25.20	0.331	33.01	-7.81
		2593.0	-0.40	1 / 1	25.55	25.15	0.327	33.01	-7.86
		2680.0	-0.40	1 / 25	25.66	25.26	0.335	33.01	-7.75
	16-QAM	2593.0	-0.40	1 / 25	25.00	24.60	0.288	33.01	-8.41
	64-QAM	2593.0	-0.40	1 / 49	23.21	22.81	0.191	33.01	-10.20
	256-QAM	2593.0	-0.40	1 / 25	20.99	20.59	0.115	33.01	-12.42
	π/2 BPSK	2515.0	-0.40	1 / 39	25.22	24.82	0.304	33.01	-8.19
		2593.0	-0.40	1 / 39	25.62	25.22	0.332	33.01	-7.80
		2675.0	-0.40	1 / 76	25.70	25.30	0.339	33.01	-7.71
30 MHz	QPSK	2515.0	-0.40	1 / 39	25.04	24.64	0.291	33.01	-8.37
		2593.0	-0.40	1 / 39	25.34	24.94	0.312	33.01	-8.07
		2675.0	-0.40	1 / 39	25.51	25.11	0.324	33.01	-7.90
	16-QAM	2675.0	-0.40	1 / 39	24.80	24.40	0.276	33.01	-8.61
	64-QAM	2675.0	-0.40	1 / 76	23.00	22.60	0.182	33.01	-10.41
	256-QAM	2675.0	-0.40	1 / 39	20.81	20.41	0.110	33.01	-12.60
40 MHz	π/2 BPSK	2520.0	-0.40	1 / 53	25.51	25.11	0.324	33.01	-7.90
		2593.0	-0.40	1 / 1	25.46	25.06	0.321	33.01	-7.95
		2670.0	-0.40	1 / 1	25.70	25.30	0.339	33.01	-7.71
	QPSK	2520.0	-0.40	1 / 53	25.46	25.06	0.321	33.01	-7.95
		2593.0	-0.40	1 / 1	25.55	25.15	0.327	33.01	-7.86
		2670.0	-0.40	1 / 53	25.64	25.24	0.334	33.01	-7.77
	16-QAM	2670.0	-0.40	1 / 1	25.03	24.63	0.291	33.01	-8.38
	64-QAM	2670.0	-0.40	1 / 53	23.35	22.95	0.197	33.01	-10.06
	256-QAM	2670.0	-0.40	1 / 53	21.09	20.69	0.117	33.01	-12.32
50 MHz	π/2 BPSK	2525.0	-0.40	1 / 66	25.20	24.80	0.302	33.01	-8.21
		2593.0	-0.40	1 / 1	25.29	24.89	0.308	33.01	-8.12
		2665.0	-0.40	1 / 1	25.65	25.25	0.335	33.01	-7.76
	QPSK	2525.0	-0.40	1 / 66	25.20	24.80	0.302	33.01	-8.21
		2593.0	-0.40	1 / 1	25.70	25.30	0.339	33.01	-7.71
		2665.0	-0.40	1 / 1	25.33	24.93	0.311	33.01	-8.08
	16-QAM	2525.0	-0.40	1 / 131	24.84	24.44	0.278	33.01	-8.58
	64-QAM	2665.0	-0.40	1 / 131	23.17	22.77	0.189	33.01	-10.24
	256-QAM	2665.0	-0.40	1 / 1	21.01	20.61	0.115	33.01	-12.40
60 MHz	π/2 BPSK	2530.0	-0.40	1 / 160	25.20	24.80	0.302	33.01	-8.21
		2593.0	-0.40	1 / 81	25.31	24.91	0.310	33.01	-8.10
		2660.0	-0.40	1 / 1	25.70	25.30	0.339	33.01	-7.71
	QPSK	2530.0	-0.40	1 / 81	25.40	25.00	0.316	33.01	-8.01
		2593.0	-0.40	1 / 1	25.16	24.76	0.299	33.01	-8.25
		2660.0	-0.40	1 / 160	25.29	24.89	0.308	33.01	-8.12
	16-QAM	2660.0	-0.40	1 / 1	24.83	24.43	0.277	33.01	-8.58
	64-QAM	2530.0	-0.40	1 / 81	22.96	22.56	0.180	33.01	-10.45
	256-QAM	2660.0	-0.40	1 / 1	20.57	20.17	0.104	33.01	-12.84
70 MHz	π/2 BPSK	2535.0	-0.40	1 / 187	25.31	24.91	0.310	33.01	-8.10
		2593.0	-0.40	1 / 1	25.68	25.28	0.337	33.01	-7.73
		2655.0	-0.40	1 / 1	25.70	25.30	0.339	33.01	-7.71
	QPSK	2535.0	-0.40	1 / 187	24.90	24.50	0.282	33.01	-8.51
		2593.0	-0.40	1 / 1	25.64	25.24	0.334	33.01	-7.77
		2655.0	-0.40	1 / 1	25.63	25.23	0.333	33.01	-7.78
	16-QAM	2655.0	-0.40	1 / 1	24.52	24.12	0.258	33.01	-8.89
	64-QAM	2655.0	-0.40	1 / 1	23.17	22.77	0.189	33.01	-10.24
	256-QAM	2655.0	-0.40	1 / 1	20.93	20.53	0.113	33.01	-12.48
80 MHz	π/2 BPSK	2540.0	-0.40	1 / 215	25.03	24.63	0.290	33.01	-8.38
		2593.0	-0.40	1 / 1	25.43	25.03	0.319	33.01	-7.98
		2650.0	-0.40	1 / 1	25.20	24.80	0.302	33.01	-8.22
	QPSK	2540.0	-0.40	1 / 215	24.91	24.51	0.283	33.01	-8.50
		2593.0	-0.40	1 / 1	25.23	24.83	0.304	33.01	-8.18
		2650.0	-0.40	1 / 1	25.70	25.30	0.339	33.01	-7.71
	16-QAM	2650.0	-0.40	1 / 215	24.70	24.30	0.269	33.01	-8.71
	64-QAM	2593.0	-0.40	1 / 215	22.98	22.58	0.181	33.01	-10.43
	256-QAM	2650.0	-0.40	1 / 108	20.72	20.32	0.108	33.01	-12.69
90 MHz	π/2 BPSK	2545.0	-0.40	1 / 243	25.32	24.92	0.310	33.01	-8.09
		2593.0	-0.40	1 / 1	25.39	24.99	0.315	33.01	-8.02
		2645.0	-0.40	1 / 122	25.70	25.30	0.339	33.01	-7.71
	QPSK	2545.0	-0.40	1 / 243	25.39	24.99	0.315	33.01	-8.02
		2593.0	-0.40	1 / 1	25.60	25.20	0.331	33.01	-7.81
		2645.0	-0.40	1 / 122	25.44	25.04	0.319	33.01	-7.97
	16-QAM	2645.0	-0.40	1 / 122	25.01	24.61	0.289	33.01	-8.40
	64-QAM	2645.0	-0.40	1 / 1	23.28	22.88	0.194	33.01	-10.13
	256-QAM	2645.0	-0.40	1 / 1	21.28	20.88	0.122	33.01	-12.13
100 MHz	π/2 BPSK	2550.0	-0.40	1 / 271	25.36	24.96	0.313	33.01	-8.05
		2593.0	-0.40	1 / 1	25.45	25.05	0.320	33.01	-7.96
		2640.0	-0.40	1 / 136	25.70	25.30	0.339	33.01	-7.71
	QPSK	2550.0	-0.40	1 / 271	25.33	24.93	0.311	33.01	-8.08
		2593.0	-0.40	1 / 1	25.52	25.12	0.325	33.01	-7.89
		2640.0	-0.40	1 / 1	25.42	25.02	0.318	33.01	-7.99
	16-QAM	2640.0	-0.40	1 / 1	25.23	24.83	0.304	33.01	-8.18
	64-QAM	2640.0	-0.40	1 / 1	23.42	23.02	0.200	33.01	-9.99
	256-QAM	2640.0	-0.40	1 / 1	21.48	21.08	0.128	33.01	-11.93

Table 7-10. Antenna 4b EIRP Data (NR Band n41 PC3)

FCC ID: BCGA2435		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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ULCA - Band 7

Power State	Band	Bandwidth (PCC + SCC)	PCC				SCC					ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	
			Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset	Modulation	UL Channel	UL Frequency	UL # RB							UL RB Offset
Max	LTE B7	20MHz + 20MHz	QPSK	20850	2510.0	1	99	QPSK	21048	2529.8	1	0	25.66	0.20	25.86	0.385	33.01	-7.15
				21100	2535.0	1	99		21298	2554.8	1	0	25.51	0.20	25.71	0.372	33.01	-7.30
				21350	2560.0	1	0		21152	2540.2	1	99	25.67	0.20	25.87	0.386	33.01	-7.14
			QPSK	21350	2560	100	0	QPSK	21152	2540.2	100	0	23.88	0.20	24.08	0.256	33.01	-8.93
			16-QAM	21350	2560	100	0	16-QAM	21152	2540.2	100	0	22.85	0.20	23.05	0.202	33.01	-8.96
			64-QAM	21350	2560	100	0	64-QAM	21152	2540.2	100	0	22.73	0.20	22.93	0.196	33.01	-10.08
			256-QAM	21350	2560	100	0	256-QAM	21152	2540.2	100	0	20.73	0.20	20.93	0.124	33.01	-12.08

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

ULCA - Band 41 (PC2)

Power State	Band	Bandwidth (PCC + SCC)	PCC				SCC				ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]		
			Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset	Modulation	UL Channel	UL Frequency							UL # RB	UL RB Offset
Max	LTE B41 (PC2)	20MHz + 20MHz	QPSK	39750	2506.0	1	99	QPSK	39948	2525.8	1	0	27.48	-0.40	27.08	0.511	33.01	-5.93
				40620	2593.0	1	99		40818	2612.8	1	0	27.59	-0.40	27.19	0.524	33.01	-5.82
				41490	2680.0	1	0		41292	2660.2	1	99	27.45	-0.40	27.05	0.507	33.01	-5.96
			QPSK	40620	2593	100	0	QPSK	40818	2612.8	100	0	25.82	-0.40	25.42	0.348	33.01	-7.59
			16-QAM	40620	2593	100	0	16-QAM	40818	2612.8	100	0	24.73	-0.40	24.33	0.271	33.01	-8.68
			64-QAM	40620	2593	100	0	64-QAM	40818	2612.8	100	0	24.78	-0.40	24.38	0.274	33.01	-8.63
			256-QAM	40620	2593	100	0	256-QAM	40818	2612.8	100	0	22.73	-0.40	22.33	0.171	33.01	-10.68

Table 7-12. Antenna 4b EIRP Data (ULCA LTE Band 41 (PC2))

ULCA - Band 41 (PC3)

Power State	Band	Bandwidth (PCC + SCC)	PCC				SCC					ULCA Tx. Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	
			Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset	Modulation	UL Channel	UL Frequency	UL # RB							UL RB Offset
Max	LTE B41 (PC3)	20MHz + 20MHz	QPSK	39750	2506.0	1	99	QPSK	39948	2525.8	1	0	25.55	-0.40	25.15	0.327	33.01	-7.86
				40620	2593.0	1	99		40818	2612.8	1	0	25.56	-0.40	25.16	0.328	33.01	-7.85
				41490	2680.0	1	0		41292	2660.2	1	99	25.42	-0.40	25.02	0.318	33.01	-7.99
			QPSK	40620	2593	100	0	QPSK	40818	2612.8	100	0	23.83	-0.40	23.43	0.220	33.01	-9.58
			16-QAM	40620	2593	100	0	16-QAM	40818	2612.8	100	0	22.76	-0.40	22.36	0.172	33.01	-10.65
			64-QAM	40620	2593	100	0	64-QAM	40818	2612.8	100	0	22.86	-0.40	22.46	0.176	33.01	-10.55
			256-QAM	40620	2593	100	0	256-QAM	40818	2612.8	100	0	20.79	-0.40	20.39	0.109	33.01	-12.62

Table 7-13. Antenna 4b EIRP Data (ULCA LTE Band 41 (PC3))

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.6.2 Antenna 1 – EIRP

LTE Band 30

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2307.5	-2.10	1 / 12	22.07	19.97	0.099	23.98	-4.01
		2310.0	-2.10	1 / 12	22.20	20.10	0.102	23.98	-3.88
		2312.5	-2.10	1 / 12	22.12	20.02	0.100	23.98	-3.96
	16-QAM	2307.5	-2.10	1 / 0	21.26	19.16	0.082	23.98	-4.82
		2312.5	-2.10	1 / 12	21.26	19.16	0.082	23.98	-4.82
	64-QAM	2312.5	-2.10	1 / 12	20.38	18.28	0.067	23.98	-5.70
10 MHz	256-QAM	2307.5	-2.10	1 / 0	17.35	15.25	0.033	23.98	-8.73
	QPSK	2310.0	-2.10	1 / 0	22.20	20.10	0.102	23.98	-3.88
	16-QAM	2310.0	-2.10	1 / 49	21.21	19.11	0.081	23.98	-4.87
	64-QAM	2310.0	-2.10	1 / 0	20.34	18.24	0.067	23.98	-5.74
	256-QAM	2310.0	-2.10	1 / 25	17.40	15.30	0.034	23.98	-8.68

Table 7-14. Antenna 1 EIRP Data (LTE Band 30)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 7

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2502.5	-0.30	1 / 12	22.20	21.90	0.155	33.01	-11.11
		2535.0	-0.30	1 / 12	22.03	21.73	0.149	33.01	-11.28
		2567.5	-0.30	1 / 12	21.82	21.52	0.142	33.01	-11.49
	16-QAM	2502.5	-0.30	1 / 24	21.14	20.84	0.121	33.01	-12.17
	64-QAM	2567.5	-0.30	1 / 12	20.38	20.08	0.102	33.01	-12.93
	256-QAM	2502.5	-0.30	1 / 24	17.16	16.86	0.049	33.01	-16.15
10 MHz	QPSK	2505.0	-0.30	1 / 49	22.16	21.86	0.153	33.01	-11.15
		2535.0	-0.30	1 / 49	22.20	21.90	0.155	33.01	-11.11
		2565.0	-0.30	1 / 49	22.14	21.84	0.153	33.01	-11.17
	16-QAM	2535.0	-0.30	1 / 49	21.26	20.96	0.125	33.01	-12.05
	64-QAM	2565.0	-0.30	1 / 25	20.28	19.98	0.100	33.01	-13.03
	256-QAM	2535.0	-0.30	1 / 25	17.45	17.15	0.052	33.01	-15.86
15 MHz	QPSK	2507.5	-0.30	1 / 37	22.20	21.90	0.155	33.01	-11.11
		2535.0	-0.30	1 / 37	22.11	21.81	0.152	33.01	-11.20
		2562.5	-0.30	1 / 37	21.98	21.68	0.147	33.01	-11.33
	16-QAM	2507.5	-0.30	1 / 37	21.38	21.08	0.128	33.01	-11.93
	64-QAM	2507.5	-0.30	1 / 37	20.56	20.26	0.106	33.01	-12.75
	256-QAM	2535.0	-0.30	1 / 37	17.46	17.16	0.052	33.01	-15.85
20 MHz	QPSK	2510.0	-0.30	1 / 50	21.94	21.64	0.146	33.01	-11.37
		2535.0	-0.30	1 / 50	22.20	21.90	0.155	33.01	-11.11
		2560.0	-0.30	1 / 50	22.06	21.76	0.150	33.01	-11.25
	16-QAM	2535.0	-0.30	1 / 50	21.58	21.28	0.134	33.01	-11.73
	64-QAM	2535.0	-0.30	1 / 50	20.50	20.20	0.105	33.01	-12.81
	256-QAM	2510.0	-0.30	1 / 50	17.39	17.09	0.051	33.01	-15.92

Table 7-15. Antenna 1 EIRP Data (LTE Band 7)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 41 (PC2)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2498.5	-0.40	1 / 12	28.70	28.30	0.676	33.01	-4.71
		2593.0	-0.40	1 / 12	28.50	28.10	0.646	33.01	-4.91
		2687.5	-0.40	1 / 24	28.41	28.01	0.632	33.01	-5.00
	16-QAM	2593.0	-0.40	1 / 12	28.60	28.20	0.661	33.01	-4.81
	64-QAM	2593.0	-0.40	1 / 12	27.82	27.42	0.552	33.01	-5.59
	256-QAM	2593.0	-0.40	1 / 12	24.59	24.19	0.262	33.01	-8.82
10 MHz	QPSK	2501.0	-0.40	1 / 25	28.70	28.30	0.676	33.01	-4.71
		2593.0	-0.40	1 / 25	28.48	28.08	0.643	33.01	-4.93
		2685.0	-0.40	1 / 25	28.30	27.90	0.617	33.01	-5.11
	16-QAM	2593.0	-0.40	1 / 25	28.44	28.04	0.637	33.01	-4.97
	64-QAM	2593.0	-0.40	1 / 25	27.81	27.41	0.551	33.01	-5.60
	256-QAM	2593.0	-0.40	1 / 25	24.60	24.20	0.263	33.01	-8.81
15 MHz	QPSK	2503.5	-0.40	1 / 37	28.70	28.30	0.676	33.01	-4.71
		2593.0	-0.40	1 / 37	28.48	28.08	0.643	33.01	-4.93
		2682.5	-0.40	1 / 37	28.12	27.72	0.592	33.01	-5.29
	16-QAM	2593.0	-0.40	1 / 0	28.42	28.02	0.634	33.01	-4.99
	64-QAM	2593.0	-0.40	1 / 37	27.97	27.57	0.571	33.01	-5.44
	256-QAM	2593.0	-0.40	1 / 37	24.75	24.35	0.272	33.01	-8.66
20 MHz	QPSK	2506.0	-0.40	1 / 50	28.70	28.30	0.676	33.01	-4.71
		2593.0	-0.40	1 / 50	28.50	28.10	0.646	33.01	-4.91
		2680.0	-0.40	1 / 99	28.43	28.03	0.635	33.01	-4.98
	16-QAM	2593.0	-0.40	1 / 50	28.82	28.42	0.695	33.01	-4.59
	64-QAM	2593.0	-0.40	1 / 50	27.62	27.22	0.527	33.01	-5.79
	256-QAM	2593.0	-0.40	1 / 50	24.68	24.28	0.268	33.01	-8.73

Table 7-16. Antenna 1 EIRP Data (LTE Band 41(PC2))

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 41 (PC3)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2498.5	-0.40	1 / 12	25.70	25.30	0.339	33.01	-7.71
		2593.0	-0.40	1 / 24	25.52	25.12	0.325	33.01	-7.89
		2687.5	-0.40	1 / 24	25.35	24.95	0.313	33.01	-8.06
	16-QAM	2498.5	-0.40	1 / 12	24.72	24.32	0.270	33.01	-8.69
	64-QAM	2498.5	-0.40	1 / 12	23.64	23.24	0.211	33.01	-9.77
	256-QAM	2593.0	-0.40	1 / 12	20.79	20.39	0.109	33.01	-12.62
10 MHz	QPSK	2501.0	-0.40	1 / 25	25.70	25.30	0.339	33.01	-7.71
		2593.0	-0.40	1 / 0	25.53	25.13	0.326	33.01	-7.88
		2685.0	-0.40	1 / 25	25.27	24.87	0.307	33.01	-8.14
	16-QAM	2501.0	-0.40	1 / 25	24.60	24.20	0.263	33.01	-8.81
	64-QAM	2593.0	-0.40	1 / 0	23.65	23.25	0.211	33.01	-9.76
	256-QAM	2501.0	-0.40	1 / 25	20.73	20.33	0.108	33.01	-12.68
15 MHz	QPSK	2503.5	-0.40	1 / 37	25.70	25.30	0.339	33.01	-7.71
		2593.0	-0.40	1 / 37	25.50	25.10	0.324	33.01	-7.91
		2682.5	-0.40	1 / 37	25.23	24.83	0.304	33.01	-8.18
	16-QAM	2503.5	-0.40	1 / 37	24.54	24.14	0.259	33.01	-8.87
	64-QAM	2503.5	-0.40	1 / 37	23.88	23.48	0.223	33.01	-9.53
	256-QAM	2503.5	-0.40	1 / 37	20.75	20.35	0.108	33.01	-12.66
20 MHz	QPSK	2506.0	-0.40	1 / 50	25.70	25.30	0.339	33.01	-7.71
		2593.0	-0.40	1 / 99	25.54	25.14	0.327	33.01	-7.87
		2680.0	-0.40	1 / 0	25.40	25.00	0.316	33.01	-8.01
	16-QAM	2506.0	-0.40	1 / 99	24.79	24.39	0.275	33.01	-8.62
	64-QAM	2506.0	-0.40	1 / 50	23.74	23.34	0.216	33.01	-9.67
	256-QAM	2506.0	-0.40	1 / 50	20.67	20.27	0.106	33.01	-12.74

Table 7-17. Antenna 1 EIRP Data (LTE Band 41(PC3))

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090025-04-R1.BCG	Test Dates: 6/1/2022 – 9/12/2022	EUT Type: Tablet Device	Page 196 of 274

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NR Band n30

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	$\pi/2$ BPSK	2307.5	-2.10	1 / 1	21.95	19.85	0.097	23.98	-4.13
		2310.0	-2.10	1 / 1	21.98	19.88	0.097	23.98	-4.10
		2312.5	-2.10	1 / 23	22.18	20.08	0.102	23.98	-3.90
	QPSK	2307.5	-2.10	1 / 12	22.11	20.01	0.100	23.98	-3.97
		2310.0	-2.10	1 / 1	22.20	20.10	0.102	23.98	-3.88
		2312.5	-2.10	1 / 12	22.16	20.06	0.101	23.98	-3.92
	16-QAM	2312.5	-2.10	1 / 12	21.70	19.60	0.091	23.98	-4.38
10 MHz	64-QAM	2307.5	-2.10	1 / 12	19.91	17.81	0.060	23.98	-6.17
	256-QAM	2307.5	-2.10	1 / 1	17.76	15.66	0.037	23.98	-8.32
	$\pi/2$ BPSK	2310.0	-2.10	1 / 50	22.20	20.10	0.102	23.98	-3.88
	QPSK	2310.0	-2.10	1 / 25	21.89	19.79	0.095	23.98	-4.19
	16-QAM	2310.0	-2.10	1 / 25	21.27	19.17	0.083	23.98	-4.81
	64-QAM	2310.0	-2.10	1 / 50	19.38	17.28	0.053	23.98	-6.70
	256-QAM	2310.0	-2.10	1 / 25	17.69	15.59	0.036	23.98	-8.39

Table 7-18. Antenna 1 EIRP Data (NR Band n30)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090025-04-R1.BCG	Test Dates: 6/1/2022 – 9/12/2022	EUT Type: Tablet Device	Page 197 of 274

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NR Band n7

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	$\pi/2$ BPSK	2502.5	-0.30	1 / 23	22.20	21.90	0.155	33.01	-11.11
		2535.0	-0.30	1 / 1	21.70	21.40	0.138	33.01	-11.61
		2567.5	-0.30	1 / 1	21.51	21.21	0.132	33.01	-11.80
	QPSK	2502.5	-0.30	1 / 23	21.68	21.38	0.138	33.01	-11.63
		2535.0	-0.30	1 / 12	21.74	21.44	0.139	33.01	-11.57
		2567.5	-0.30	1 / 23	21.83	21.53	0.142	33.01	-11.48
	16-QAM	2502.5	-0.30	1 / 1	20.88	20.58	0.114	33.01	-12.43
	64-QAM	2535.0	-0.30	1 / 1	19.56	19.26	0.084	33.01	-13.75
	256-QAM	2502.5	-0.30	1 / 1	17.35	17.05	0.051	33.01	-15.96
10 MHz	$\pi/2$ BPSK	2505.0	-0.30	1 / 50	21.83	21.53	0.142	33.01	-11.48
		2535.0	-0.30	1 / 50	22.06	21.76	0.150	33.01	-11.25
		2565.0	-0.30	1 / 25	21.86	21.56	0.143	33.01	-11.45
	QPSK	2505.0	-0.30	1 / 1	21.99	21.69	0.148	33.01	-11.32
		2535.0	-0.30	1 / 50	22.20	21.90	0.155	33.01	-11.11
		2565.0	-0.30	1 / 25	22.20	21.90	0.155	33.01	-11.11
	16-QAM	2535.0	-0.30	1 / 1	21.44	21.14	0.130	33.01	-11.87
	64-QAM	2535.0	-0.30	1 / 1	19.88	19.58	0.091	33.01	-13.44
	256-QAM	2535.0	-0.30	1 / 50	17.54	17.24	0.053	33.01	-15.77
15 MHz	$\pi/2$ BPSK	2507.5	-0.30	1 / 1	21.92	21.62	0.145	33.01	-11.39
		2535.0	-0.30	1 / 37	21.84	21.54	0.143	33.01	-11.47
		2562.5	-0.30	1 / 73	21.66	21.36	0.137	33.01	-11.65
	QPSK	2507.5	-0.30	1 / 1	21.86	21.56	0.143	33.01	-11.45
		2535.0	-0.30	1 / 73	22.20	21.90	0.155	33.01	-11.11
		2562.5	-0.30	1 / 37	21.94	21.64	0.146	33.01	-11.38
	16-QAM	2535.0	-0.30	1 / 37	21.48	21.18	0.131	33.01	-11.83
	64-QAM	2535.0	-0.30	1 / 1	19.92	19.62	0.092	33.01	-13.39
	256-QAM	2507.5	-0.30	1 / 37	17.64	17.34	0.054	33.01	-15.67
20 MHz	$\pi/2$ BPSK	2510.0	-0.30	1 / 98	22.20	21.90	0.155	33.01	-11.11
		2535.0	-0.30	1 / 1	21.92	21.62	0.145	33.01	-11.39
		2560.0	-0.30	1 / 50	21.95	21.65	0.146	33.01	-11.36
	QPSK	2510.0	-0.30	1 / 98	21.95	21.65	0.146	33.01	-11.36
		2535.0	-0.30	1 / 50	22.11	21.81	0.152	33.01	-11.20
		2560.0	-0.30	1 / 50	22.05	21.75	0.149	33.01	-11.27
	16-QAM	2510.0	-0.30	1 / 98	21.66	21.36	0.137	33.01	-11.65
	64-QAM	2560.0	-0.30	1 / 1	19.83	19.53	0.090	33.01	-13.48
	256-QAM	2535.0	-0.30	1 / 98	17.79	17.49	0.056	33.01	-15.52
25 MHz	$\pi/2$ BPSK	2512.5	-0.30	1 / 66	21.99	21.69	0.148	33.01	-11.32
		2535.0	-0.30	1 / 1	22.08	21.78	0.151	33.01	-11.23
		2557.5	-0.30	1 / 66	21.94	21.64	0.146	33.01	-11.37
	QPSK	2512.5	-0.30	1 / 66	21.80	21.50	0.141	33.01	-11.51
		2535.0	-0.30	1 / 66	22.20	21.90	0.155	33.01	-11.11
		2557.5	-0.30	1 / 66	21.76	21.46	0.140	33.01	-11.55
	16-QAM	2512.5	-0.30	1 / 131	21.28	20.98	0.125	33.01	-12.03
	64-QAM	2557.5	-0.30	1 / 1	19.66	19.36	0.086	33.01	-13.65
	256-QAM	2557.5	-0.30	1 / 66	17.40	17.10	0.051	33.01	-15.91
30 MHz	$\pi/2$ BPSK	2515.0	-0.30	1 / 80	22.18	21.88	0.154	33.01	-11.13
		2535.0	-0.30	1 / 1	21.87	21.57	0.144	33.01	-11.44
		2555.0	-0.30	1 / 80	22.20	21.90	0.155	33.01	-11.11
	QPSK	2515.0	-0.30	1 / 1	21.93	21.63	0.146	33.01	-11.38
		2535.0	-0.30	1 / 1	21.75	21.45	0.140	33.01	-11.56
		2555.0	-0.30	1 / 1	22.15	21.85	0.153	33.01	-11.16
	16-QAM	2555.0	-0.30	1 / 1	21.14	20.84	0.121	33.01	-12.17
	64-QAM	2515.0	-0.30	1 / 158	19.52	19.22	0.084	33.01	-13.79
	256-QAM	2515.0	-0.30	1 / 1	17.44	17.14	0.052	33.01	-15.87
40 MHz	$\pi/2$ BPSK	2520.0	-0.30	1 / 214	21.81	21.51	0.142	33.01	-11.50
		2535.0	-0.30	1 / 1	21.73	21.43	0.139	33.01	-11.58
		2550.0	-0.30	1 / 1	21.81	21.51	0.142	33.01	-11.50
	QPSK	2520.0	-0.30	1 / 108	21.82	21.52	0.142	33.01	-11.49
		2535.0	-0.30	1 / 108	21.65	21.35	0.136	33.01	-11.66
		2550.0	-0.30	1 / 214	21.77	21.47	0.140	33.01	-11.54
	16-QAM	2535.0	-0.30	1 / 1	21.28	20.98	0.125	33.01	-12.03
	64-QAM	2535.0	-0.30	1 / 214	19.58	19.28	0.085	33.01	-13.73
	256-QAM	2550.0	-0.30	1 / 1	17.56	17.26	0.053	33.01	-15.75

Table 7-19. Antenna 1 EIRP Data (NR Band n7)

FCC ID: BCGA2435	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41 (PC2)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	π/2 BPSK	2506.0	-0.40	1 / 25	28.16	27.76	0.597	33.01	-5.25
		2593.0	-0.40	1 / 49	28.27	27.87	0.613	33.01	-5.14
		2680.0	-0.40	1 / 25	28.33	27.93	0.620	33.01	-5.08
	QPSK	2506.0	-0.40	1 / 25	28.01	27.61	0.577	33.01	-5.40
		2593.0	-0.40	1 / 25	28.66	28.26	0.670	33.01	-4.75
		2680.0	-0.40	1 / 1	28.51	28.11	0.647	33.01	-4.90
	16-QAM	2593.0	-0.40	1 / 25	28.18	27.78	0.600	33.01	-5.23
	64-QAM	2593.0	-0.40	1 / 25	27.01	26.61	0.458	33.01	-6.40
256-QAM	2593.0	-0.40	1 / 25	24.65	24.25	0.266	33.01	-8.76	
30 MHz	π/2 BPSK	2511.0	-0.40	1 / 39	28.19	27.79	0.601	33.01	-5.23
		2593.0	-0.40	1 / 39	28.65	28.25	0.668	33.01	-4.76
		2675.0	-0.40	1 / 1	28.70	28.30	0.676	33.01	-4.71
	QPSK	2511.0	-0.40	1 / 39	27.83	27.43	0.554	33.01	-5.58
		2593.0	-0.40	1 / 39	28.54	28.14	0.652	33.01	-4.87
		2675.0	-0.40	1 / 1	28.49	28.09	0.643	33.01	-4.93
	16-QAM	2593.0	-0.40	1 / 39	27.68	27.28	0.535	33.01	-5.73
	64-QAM	2511.0	-0.40	1 / 39	26.69	26.29	0.426	33.01	-6.72
256-QAM	2675.0	-0.40	1 / 39	24.41	24.01	0.252	33.01	-9.00	
40 MHz	π/2 BPSK	2516.0	-0.40	1 / 53	28.33	27.93	0.621	33.01	-5.08
		2593.0	-0.40	1 / 1	28.54	28.14	0.652	33.01	-4.87
		2670.0	-0.40	1 / 1	28.55	28.15	0.654	33.01	-4.86
	QPSK	2516.0	-0.40	1 / 53	28.02	27.62	0.579	33.01	-5.39
		2593.0	-0.40	1 / 1	28.48	28.08	0.642	33.01	-4.93
		2670.0	-0.40	1 / 1	28.70	28.30	0.676	33.01	-4.71
	16-QAM	2593.0	-0.40	1 / 53	28.09	27.69	0.588	33.01	-5.32
	64-QAM	2520.0	-0.40	1 / 53	26.98	26.58	0.455	33.01	-6.43
256-QAM	2670.0	-0.40	1 / 53	24.85	24.45	0.278	33.01	-8.57	
50 MHz	π/2 BPSK	2521.0	-0.40	1 / 66	28.45	28.05	0.638	33.01	-4.96
		2593.0	-0.40	1 / 1	28.69	28.29	0.675	33.01	-4.72
		2665.0	-0.40	1 / 1	28.59	28.19	0.659	33.01	-4.82
	QPSK	2521.0	-0.40	1 / 66	28.18	27.78	0.600	33.01	-5.23
		2593.0	-0.40	1 / 66	28.58	28.18	0.658	33.01	-4.83
		2665.0	-0.40	1 / 66	28.70	28.30	0.676	33.01	-4.71
	16-QAM	2525.0	-0.40	1 / 66	28.39	27.99	0.630	33.01	-5.02
	64-QAM	2525.0	-0.40	1 / 66	26.92	26.52	0.448	33.01	-6.49
256-QAM	2593.0	-0.40	1 / 66	25.12	24.72	0.296	33.01	-8.29	
60 MHz	π/2 BPSK	2526.0	-0.40	1 / 81	28.33	27.93	0.621	33.01	-5.08
		2593.0	-0.40	1 / 81	28.70	28.30	0.676	33.01	-4.71
		2660.0	-0.40	1 / 1	28.54	28.14	0.652	33.01	-4.87
	QPSK	2526.0	-0.40	1 / 81	27.97	27.57	0.572	33.01	-5.44
		2593.0	-0.40	1 / 1	28.34	27.94	0.623	33.01	-5.07
		2660.0	-0.40	1 / 1	28.42	28.02	0.633	33.01	-4.99
	16-QAM	2660.0	-0.40	1 / 1	28.38	27.98	0.629	33.01	-5.03
	64-QAM	2660.0	-0.40	1 / 81	26.70	26.30	0.427	33.01	-6.71
256-QAM	2530.0	-0.40	1 / 81	24.57	24.17	0.261	33.01	-8.84	
70 MHz	π/2 BPSK	2531.0	-0.40	1 / 90	28.38	27.98	0.628	33.01	-5.03
		2593.0	-0.40	1 / 1	28.67	28.27	0.672	33.01	-4.74
		2655.0	-0.40	1 / 1	28.68	28.28	0.673	33.01	-4.73
	QPSK	2535.0	-0.40	1 / 187	28.31	27.91	0.618	33.01	-5.10
		2593.0	-0.40	1 / 1	28.47	28.07	0.642	33.01	-4.94
		2655.0	-0.40	1 / 1	28.70	28.30	0.676	33.01	-4.71
	16-QAM	2655.0	-0.40	1 / 1	28.36	27.96	0.626	33.01	-5.05
	64-QAM	2655.0	-0.40	1 / 1	26.91	26.51	0.448	33.01	-6.50
256-QAM	2655.0	-0.40	1 / 90	24.76	24.36	0.273	33.01	-8.65	
80 MHz	π/2 BPSK	2536.0	-0.40	1 / 108	28.03	27.63	0.580	33.01	-5.38
		2593.0	-0.40	1 / 108	28.03	27.63	0.579	33.01	-5.38
		2650.0	-0.40	1 / 1	28.20	27.80	0.603	33.01	-5.21
	QPSK	2536.0	-0.40	1 / 108	27.70	27.30	0.537	33.01	-5.71
		2593.0	-0.40	1 / 1	28.70	28.30	0.676	33.01	-4.71
		2650.0	-0.40	1 / 1	28.29	27.89	0.615	33.01	-5.12
	16-QAM	2650.0	-0.40	1 / 1	27.98	27.58	0.573	33.01	-5.43
	64-QAM	2650.0	-0.40	1 / 215	26.67	26.27	0.423	33.01	-6.74
256-QAM	2593.0	-0.40	1 / 215	24.53	24.13	0.259	33.01	-8.88	
90 MHz	π/2 BPSK	2541.0	-0.40	1 / 122	28.38	27.98	0.628	33.01	-5.03
		2593.0	-0.40	1 / 243	28.54	28.14	0.651	33.01	-4.87
		2645.0	-0.40	1 / 243	28.70	28.30	0.676	33.01	-4.71
	QPSK	2541.0	-0.40	1 / 122	27.79	27.39	0.548	33.01	-5.62
		2593.0	-0.40	1 / 1	28.67	28.27	0.672	33.01	-4.74
		2645.0	-0.40	1 / 1	28.53	28.13	0.650	33.01	-4.88
	16-QAM	2593.0	-0.40	1 / 1	28.27	27.87	0.612	33.01	-5.14
	64-QAM	2593.0	-0.40	1 / 1	27.01	26.61	0.458	33.01	-6.40
256-QAM	2645.0	-0.40	1 / 122	24.82	24.42	0.277	33.01	-8.59	
100 MHz	π/2 BPSK	2546.0	-0.40	1 / 271	28.43	28.03	0.635	33.01	-4.98
		2593.0	-0.40	1 / 271	28.46	28.06	0.640	33.01	-4.95
		2640.0	-0.40	1 / 271	28.56	28.16	0.655	33.01	-4.85
	QPSK	2546.0	-0.40	1 / 136	27.71	27.31	0.538	33.01	-5.70
		2593.0	-0.40	1 / 271	28.70	28.30	0.676	33.01	-4.71
		2640.0	-0.40	1 / 136	28.63	28.23	0.665	33.01	-4.78
	16-QAM	2593.0	-0.40	1 / 1	28.15	27.75	0.596	33.01	-5.26
	64-QAM	2593.0	-0.40	1 / 1	26.95	26.55	0.452	33.01	-6.46
256-QAM	2640.0	-0.40	1 / 136	24.80	24.40	0.275	33.01	-8.61	

Table 7-20. Antenna 1 EIRP Data (NR Band n41 PC2)

FCC ID: BCGA2435		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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