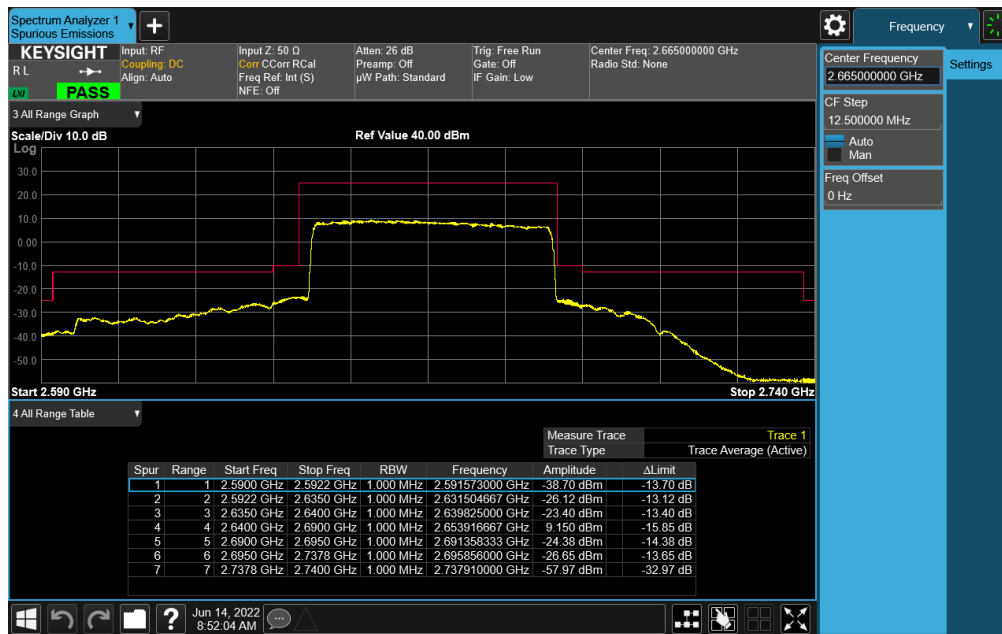
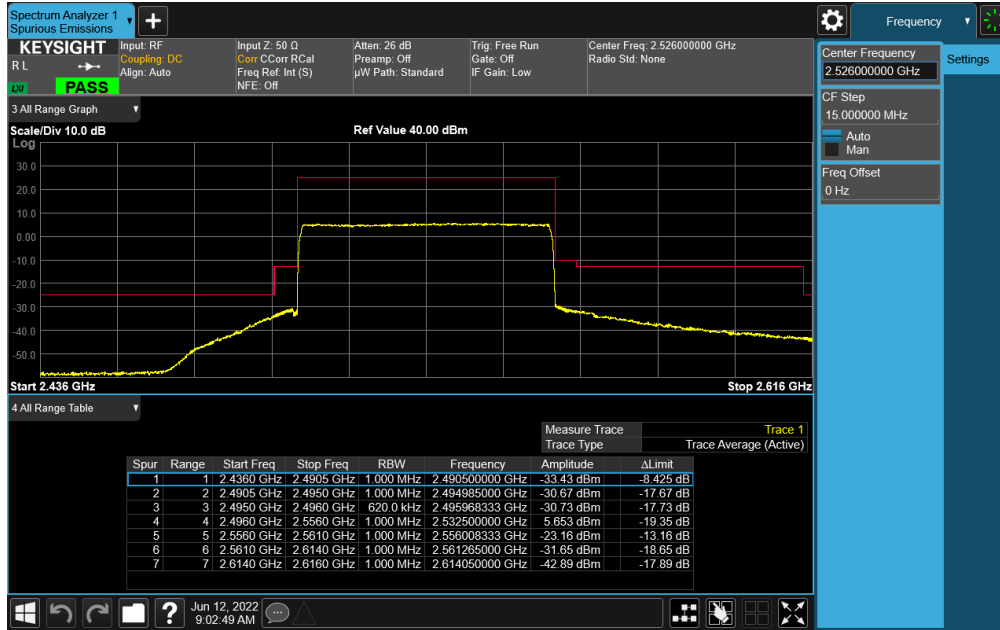


Plot 7-277. Middle ACP Plot (NR Band n41 - 50MHz CP-OFDM $\pi/2$ BPSK – Full RB)

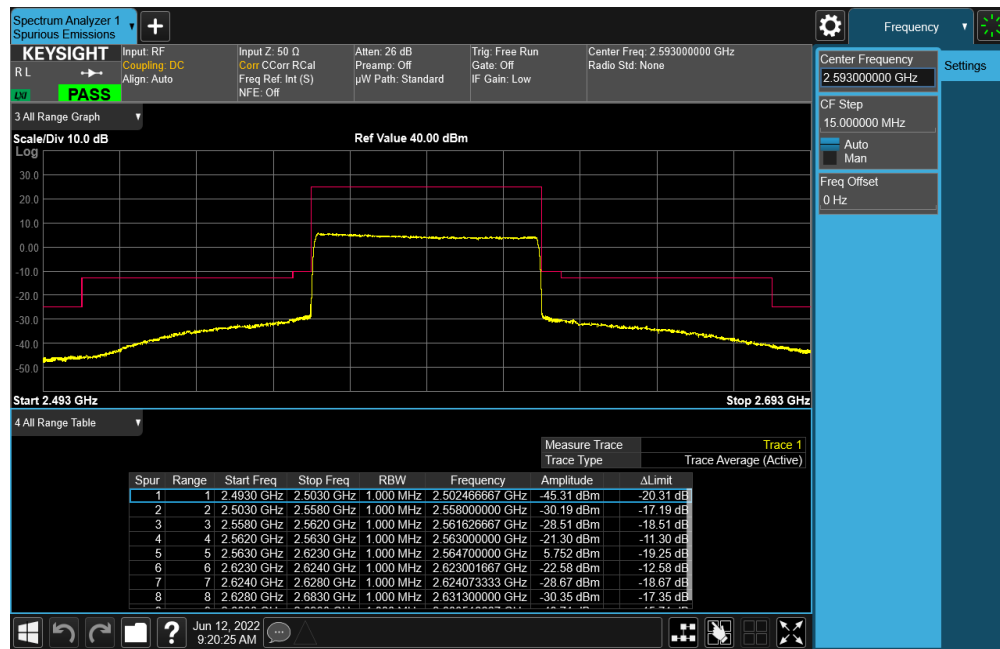


Plot 7-278. Upper ACP Plot (NR Band n41 - 50MHz DFTs-OFDM QPSK – Full RB)

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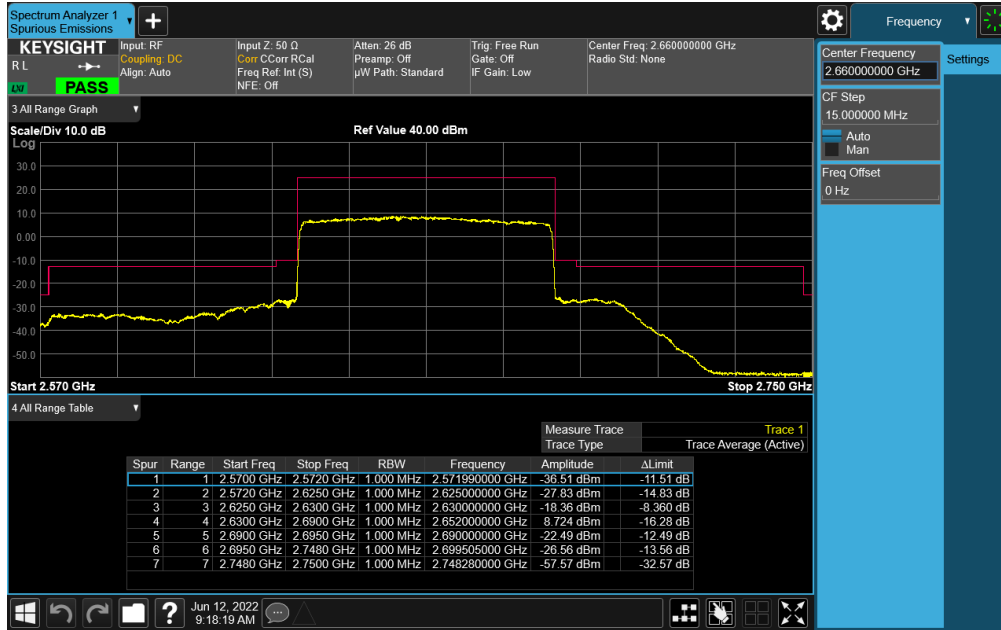


Plot 7-279. Lower ACP Plot (NR Band n41 - 60MHz CP-OFDM $\pi/2$ BPSK – Full RB)

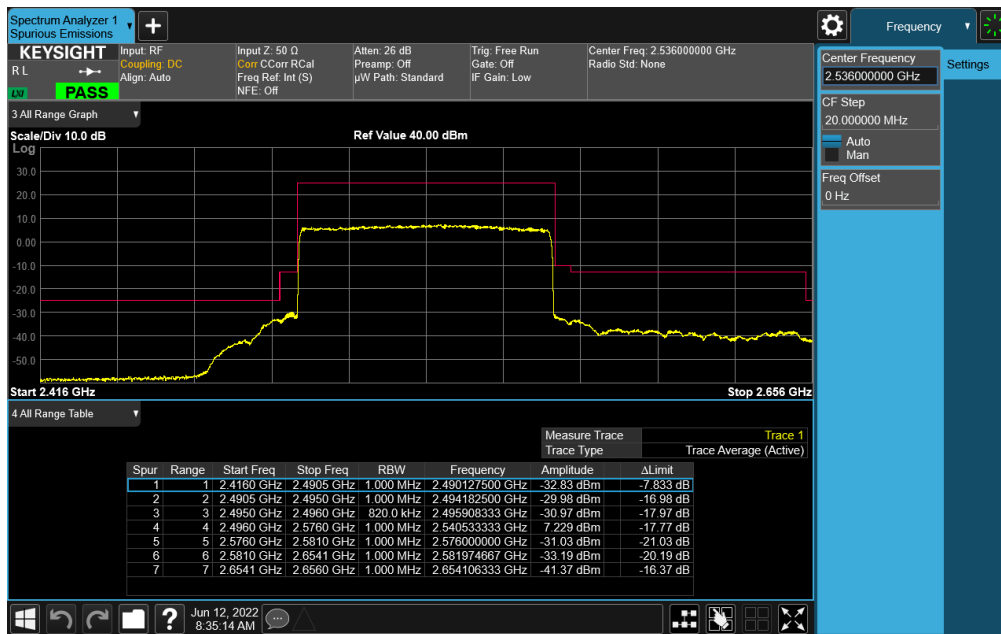


Plot 7-280. Middle ACP Plot (NR Band n41 - 60MHz CP-OFDM $\pi/2$ BPSK – Full RB)

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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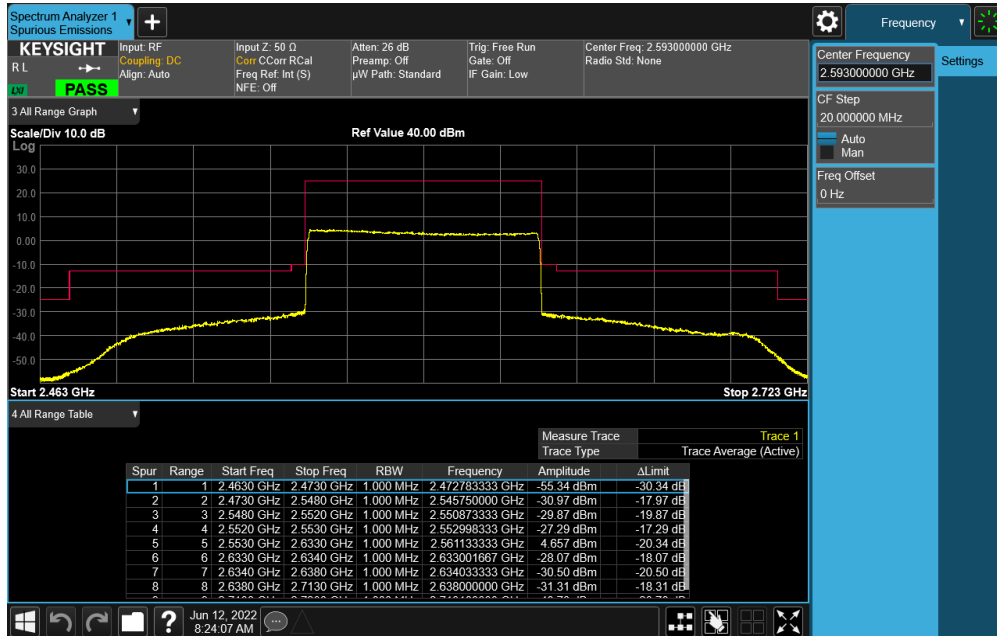


Plot 7-281. Upper ACP Plot (NR Band n41 - 60MHz DFTs -OFDM QPSK – Full RB)

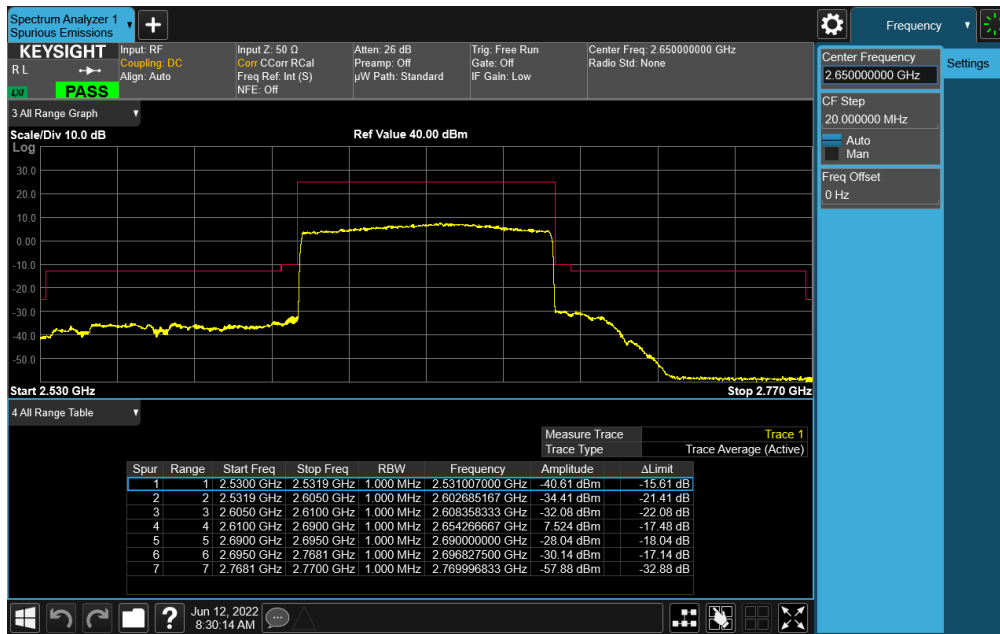


Plot 7-282. Lower ACP Plot (NR Band n41 - 80MHz DFTs-OFDM QPSK – Full RB)

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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	EUT Type: Tablet Device	

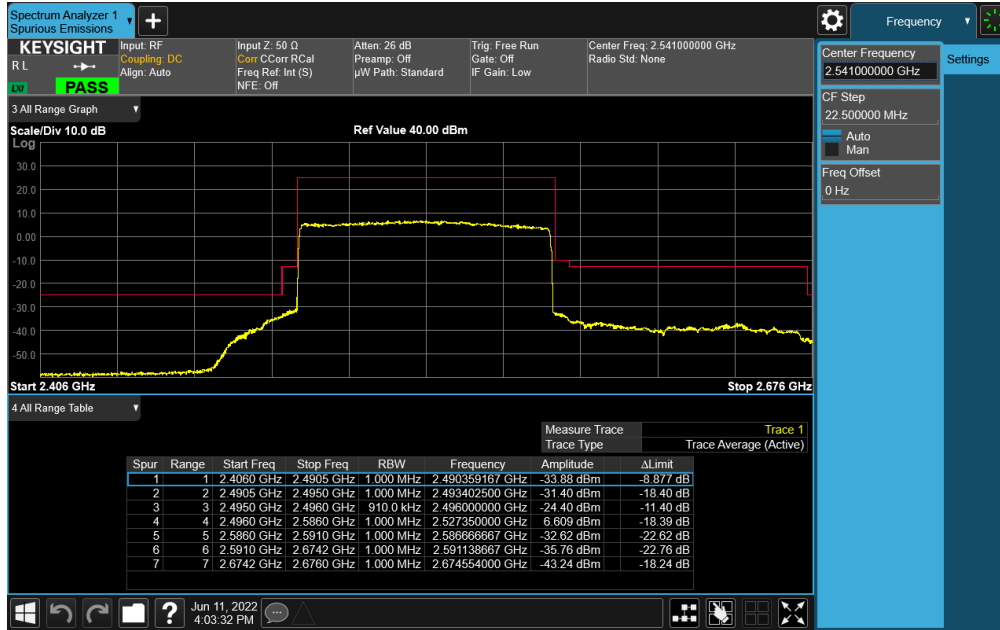


Plot 7-283. Middle ACP Plot (NR Band n41 - 80MHz CP-OFDM $\pi/2$ BPSK – Full RB)

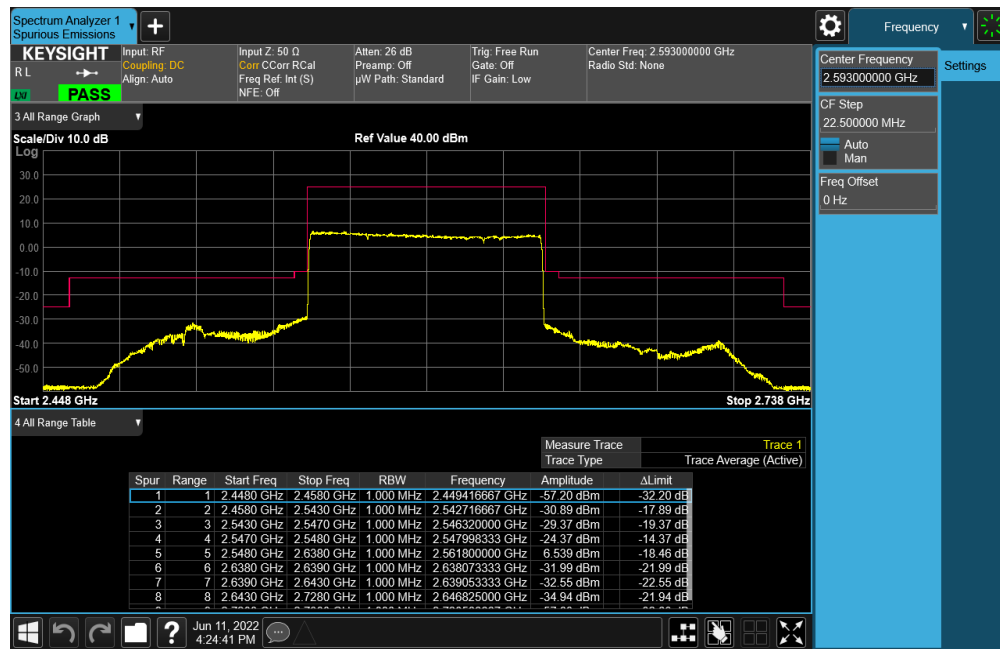


Plot 7-284. Upper ACP Plot (NR Band n41 - 80MHz DFTs-OFDM QPSK – Full RB)

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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	EUT Type: Tablet Device	

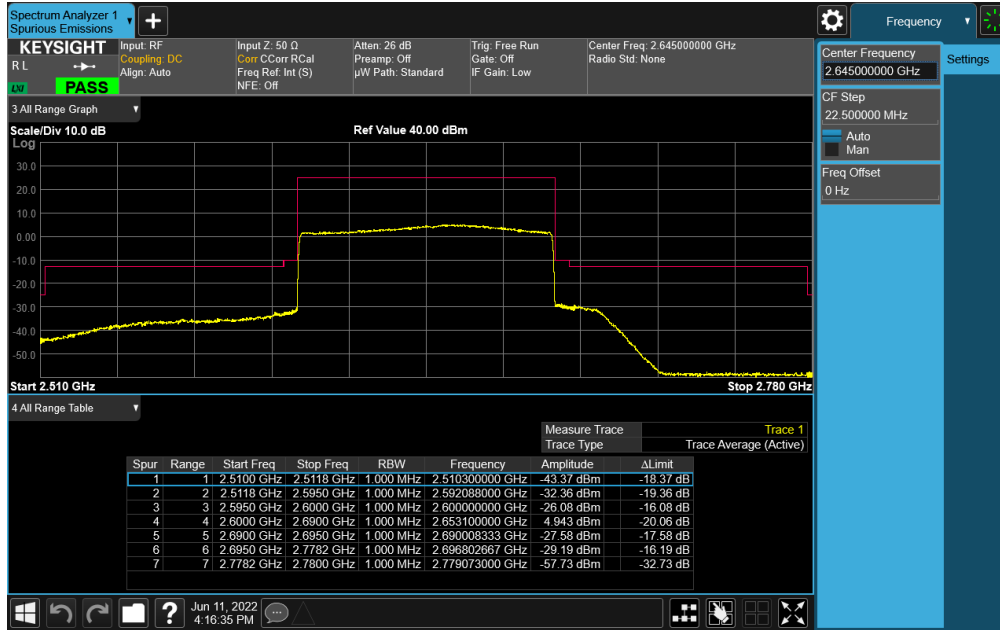


Plot 7-285. Lower ACP Plot (NR Band n41 - 90MHz DFTs OFDM QPSK – Full RB)

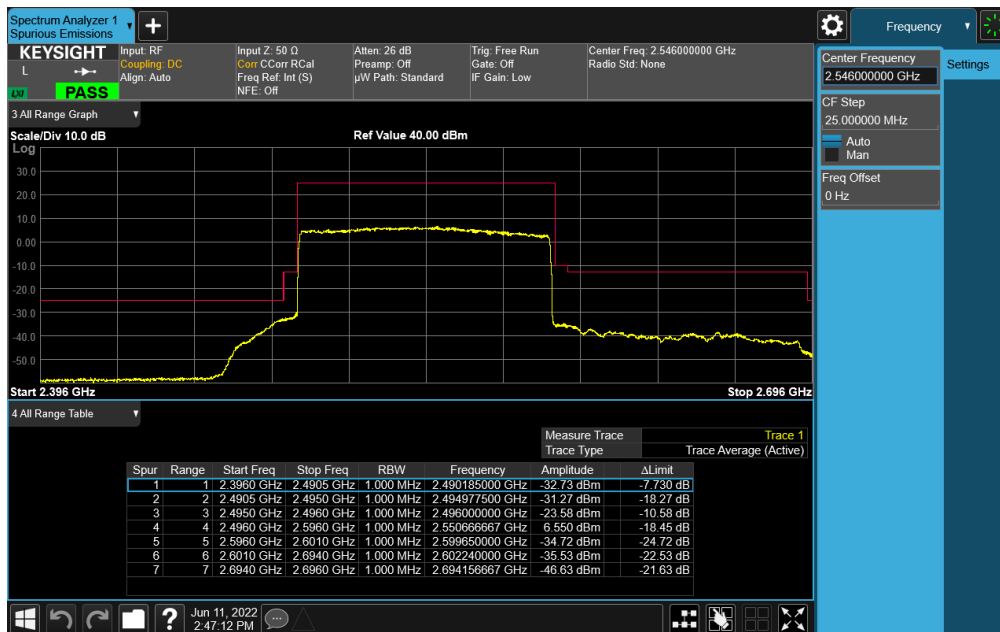


Plot 7-286. Middle ACP Plot (NR Band n41 - 90MHz DFTs-OFDM $\pi/2$ BPSK – Full RB)

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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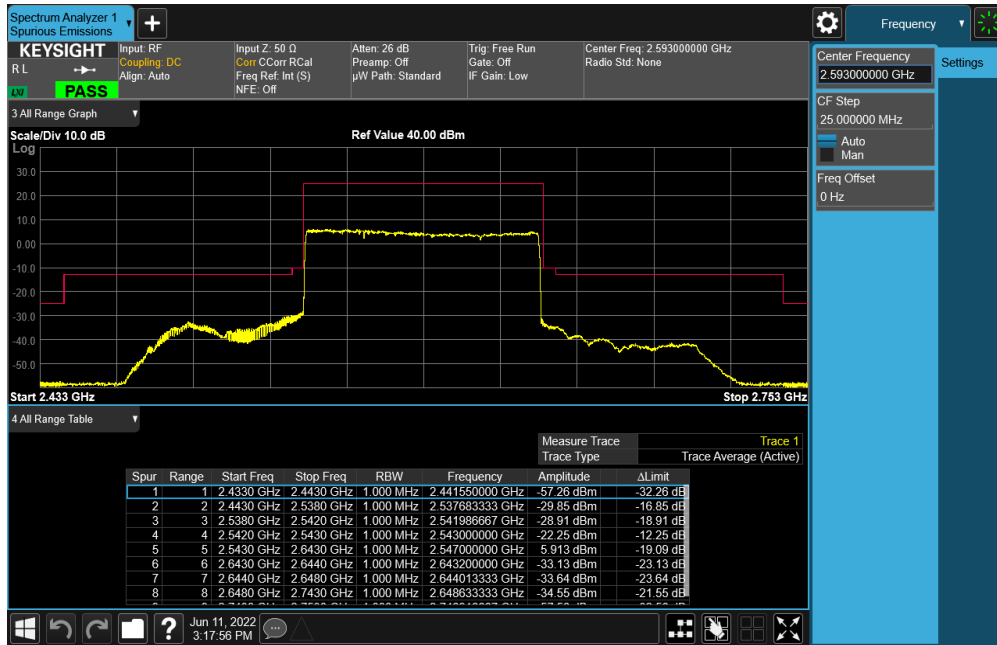


Plot 7-287. Upper ACP Plot (NR Band n41 - 90MHz CP-OFDM $\pi/2$ BPSK – Full RB)

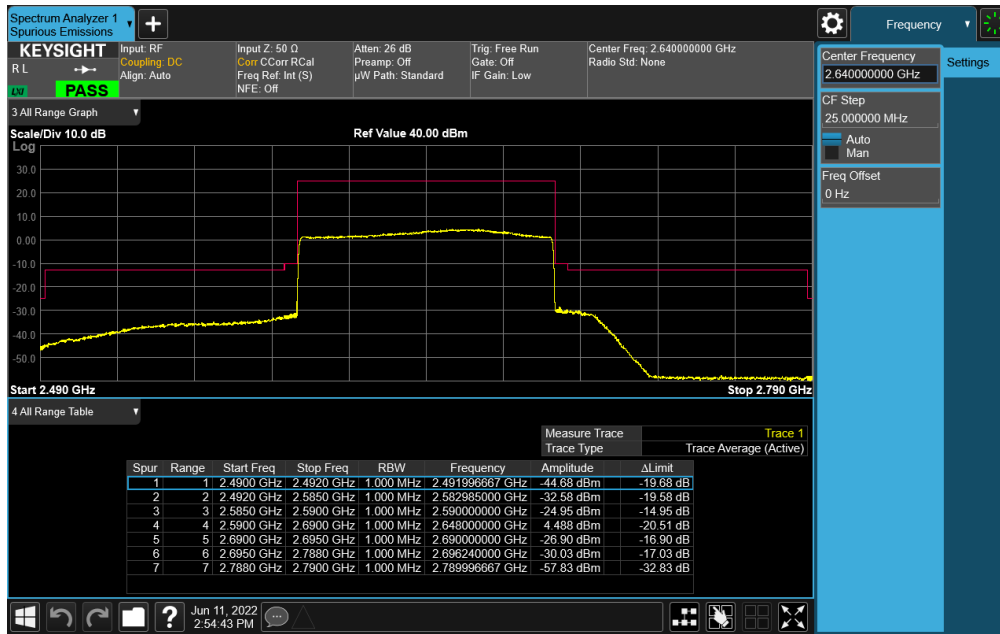


Plot 7-288. Lower ACP Plot (NR Band n41 - 100MHz DFTs-OFDM QPSK – Full RB)

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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	EUT Type: Tablet Device	



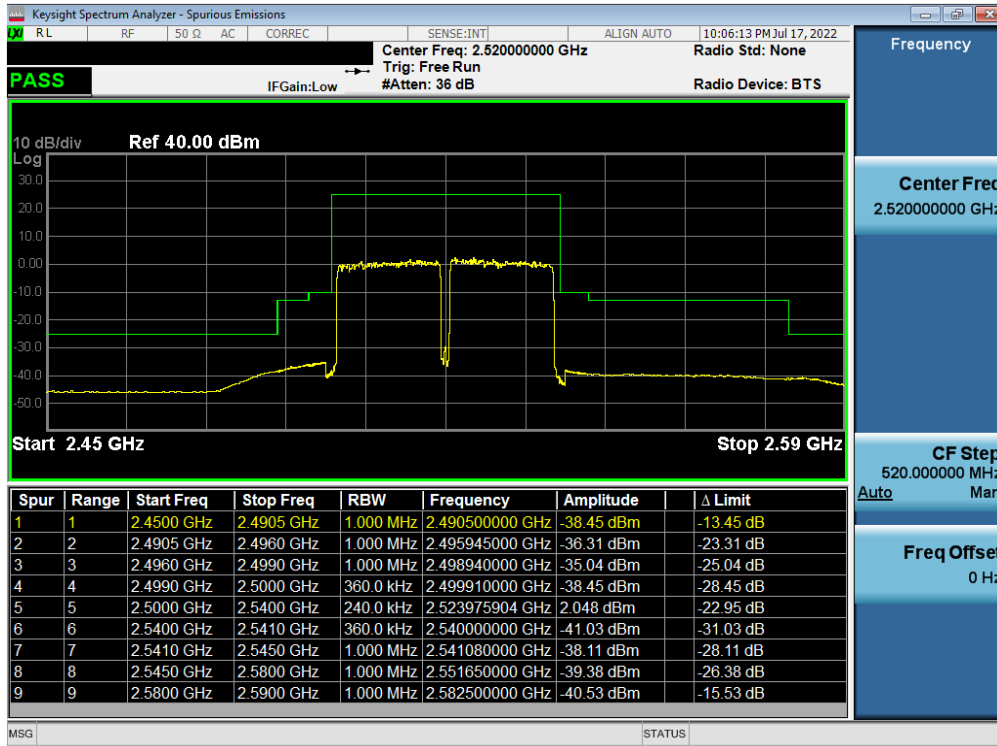
Plot 7-289. Middle ACP Plot (NR Band n41 - 100MHz DFTs-OFDM $\pi/2$ BPSK – Full RB)



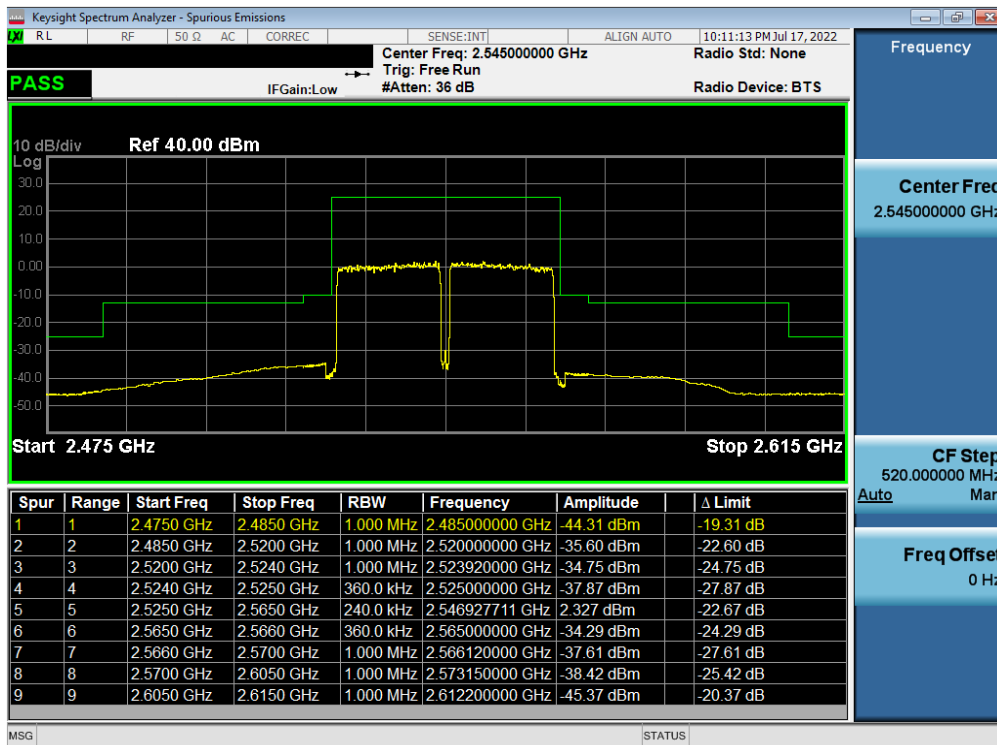
Plot 7-290. Upper ACP Plot (NR Band n41 - 100MHz CP-OFDM $\pi/2$ BPSK – Full RB)

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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	EUT Type: Tablet Device	

ULCA - LTE Band 7



Plot 7-291. Lower ACP Plot (ULCA LTE B7 - (20+20)MHz QPSK – Full RB)



Plot 7-292. Middle ACP Plot (ULCA LTE B7 - (20+20)MHz QPSK – Full RB)

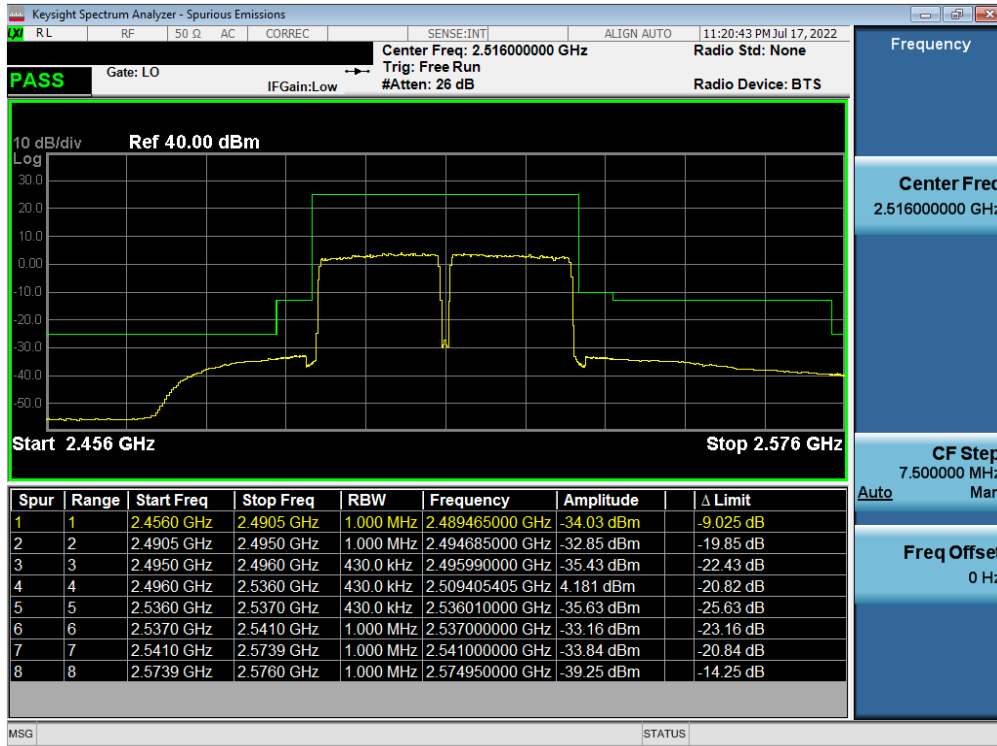
FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090023-04-R2.BCG	Test Dates: 7/3/2022 - 9/15/2022	Page 171 of 284
	EUT Type: Tablet Device	



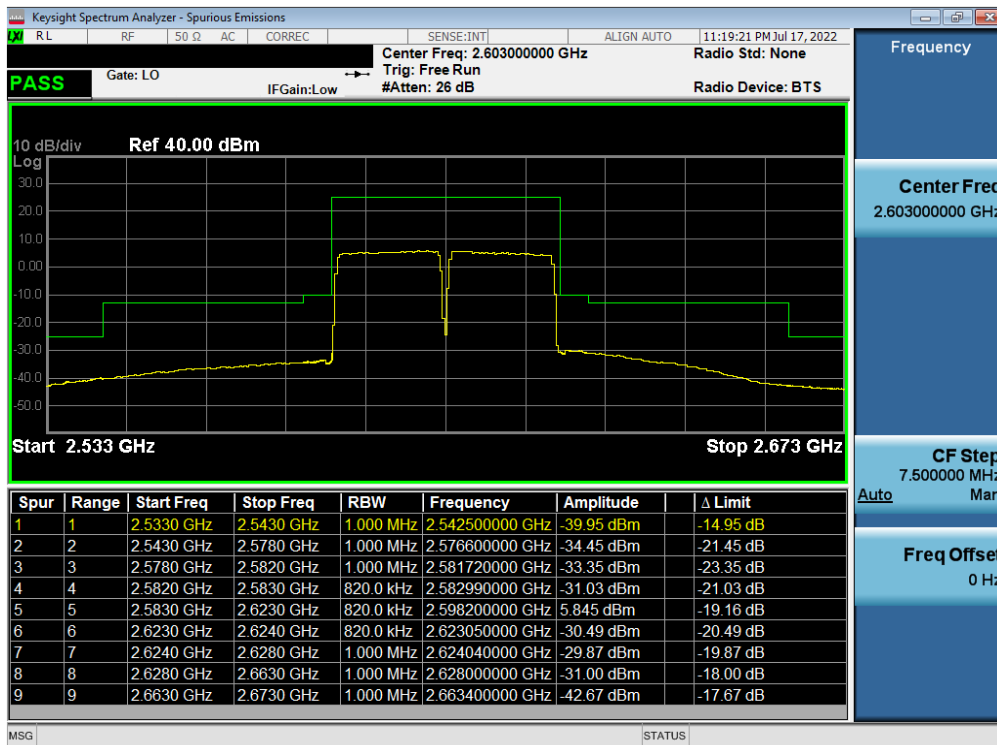
Plot 7-293. Upper ACP Plot (ULCA LTE B7 - (20+20)MHz QPSK – Full RB)

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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ULCA - LTE Band 41



Plot 7-294. Lower ACP Plot (ULCA LTE B41 – (20+20)MHz QPSK – Full RB)



Plot 7-295. Middle ACP Plot (ULCA LTE B41 – (20+20)MHz QPSK – Full RB)

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-296. 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

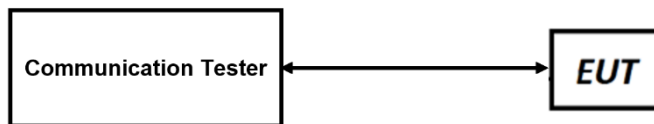



Figure 7-4. Conducted Power Measurement Setup

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	24.97	23.5	1.47
										16-QAM	1	24.52	22.5	2.02
										64-QAM	2	23.30	21.5	1.80
										256-QAM	4	20.40	19.5	0.90
2				5	39675	2498.5	1	9	0	QPSK	0	27.50	26.5	1.00
										16-QAM	1	27.31	25.5	1.81
										64-QAM	2	25.35	24.5	0.85
										256-QAM	4	23.34	22.5	0.84
3				10	39700	2501	1	0	5	QPSK	0	23.13	21.5	1.63
										16-QAM	1	23.07	20.5	2.57
										64-QAM	2	21.48	19.5	1.98
										256-QAM	4	18.46	17.5	0.96
4				10	39700	2501	20	0	2	QPSK	0	25.10	24.5	0.60
										16-QAM	1	24.12	23.5	0.62
										64-QAM	2	23.14	22.5	0.64
										256-QAM	4	21.05	20.5	0.55
5				10	39700	2501	50	0	3	QPSK	0	24.10	23.5	0.60
										16-QAM	1	23.16	22.5	0.66
										64-QAM	2	22.12	21.5	0.62
	256-QAM	4	20.16							19.5	0.66			
6	10	39700	2501	25	20	1	QPSK	0	26.10	25.5	0.60			
							16-QAM	1	25.20	24.5	0.70			
							64-QAM	2	24.21	23.5	0.71			
							256-QAM	4	23.12	21.5	1.62			
7	10	39700	2501	1	36	0	QPSK	0	27.50	26.5	1.00			
							16-QAM	1	26.75	25.5	1.25			
							64-QAM	2	25.61	24.5	1.11			
							256-QAM	4	23.46	22.5	0.96			
8	15	39725	2503.5	1	0	5	QPSK	0	22.91	21.5	1.41			
							16-QAM	1	22.21	20.5	1.71			
							64-QAM	2	21.50	19.5	2.00			
							256-QAM	4	18.30	17.5	0.80			
9	15	39725	2503.5	20	0	2	QPSK	0	24.98	24.5	0.48			
							16-QAM	1	24.13	23.5	0.63			
							64-QAM	2	22.98	22.5	0.48			
							256-QAM	4	21.04	20.5	0.54			
10	15	39725	2503.5	75	0	4	QPSK	0	23.03	22.5	0.53			
							16-QAM	1	22.06	21.5	0.56			
							64-QAM	2	21.08	20.5	0.58			
							256-QAM	4	19.12	18.5	0.62			
11	15	39725	2503.5	50	15	3	QPSK	0	24.08	23.5	0.58			
							16-QAM	1	23.14	22.5	0.64			
							64-QAM	2	22.15	21.5	0.65			
							256-QAM	4	20.15	19.5	0.65			
12	15	39725	2503.5	1	60	0	QPSK	0	27.50	26.5	1.00			
							16-QAM	1	27.26	25.5	1.76			
							64-QAM	2	26.17	24.5	1.67			
							256-QAM	4	23.34	22.5	0.84			
13	20	39750	2506	1	0	5	QPSK	0	22.81	21.5	1.31			
							16-QAM	1	22.14	20.5	1.64			
							64-QAM	2	21.63	19.5	2.13			
							256-QAM	4	18.54	17.5	1.04			
14	20	39750	2506	20	0	2	QPSK	0	24.93	24.5	0.43			
							16-QAM	1	24.09	23.5	0.59			
							64-QAM	2	23.05	22.5	0.55			
							256-QAM	4	21.06	20.5	0.56			
15	20	39750	2506	100	0	4	QPSK	0	23.03	22.5	0.53			
							16-QAM	1	22.04	21.5	0.54			
							64-QAM	2	21.03	20.5	0.53			
							256-QAM	4	19.05	18.5	0.55			
16	20	39750	2506	75	24	3	QPSK	0	23.98	23.5	0.48			
							16-QAM	1	23.06	22.5	0.56			
							64-QAM	2	22.06	21.5	0.56			
							256-QAM	4	20.05	19.5	0.55			
17	20	39750	2506	1	77	0	QPSK	0	27.50	26.5	1.00			
							16-QAM	1	27.25	25.5	1.75			
							64-QAM	2	26.30	24.5	1.80			
							256-QAM	4	23.60	22.5	1.10			
18	01	311	490	5	39675	2498.5	1	0	3	QPSK	0	25.10	23.5	1.60
										16-QAM	1	24.50	22.5	2.00
										64-QAM	2	23.30	21.5	1.80
										256-QAM	4	20.29	19.5	0.79
19	01	001	01	5	39675	2498.5	1	0	0	QPSK	0	27.50	26.5	1.00
										16-QAM	1	27.10	25.5	1.60
										64-QAM	2	26.15	24.5	1.65
										256-QAM	4	23.80	22.5	1.30

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:

$$EIRP = P_{Meas} - LC + GT$$

Where:

EIRP = Equivalent Isotropic Radiated Power (expressed in the same units as P_{Meas} , typically dBW or dBm)

P_{Meas} = 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.

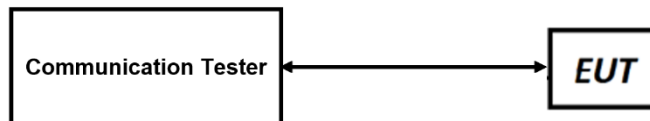




Figure 7-5. EIRP Measurement Setup

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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 4 – 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	1.20	1 / 24	21.71	22.91	0.195	23.98	-1.07
		2310.0	1.20	1 / 12	21.72	22.92	0.196	23.98	-1.06
		2312.5	1.20	1 / 24	21.60	22.80	0.191	23.98	-1.18
	16-QAM	2310.0	1.20	1 / 24	21.06	22.26	0.168	23.98	-1.72
	64-QAM	2307.5	1.20	1 / 0	19.85	21.05	0.127	23.98	-2.93
256-QAM	2312.5	1.20	1 / 12	17.13	18.33	0.068	23.98	-5.65	
10 MHz	QPSK	2310.0	1.20	1 / 0	21.80	23.00	0.200	23.98	-0.98
	16-QAM	2310.0	1.20	1 / 0	21.19	22.39	0.173	23.98	-1.59
	64-QAM	2310.0	1.20	1 / 49	20.00	21.20	0.132	23.98	-2.78
	256-QAM	2310.0	1.20	1 / 0	17.44	18.64	0.073	23.98	-5.34

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


FCC ID: BCGA2757		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	2.20	1 / 0	25.43	27.63	0.579	33.01	-5.38
		2535.0	2.20	1 / 0	25.47	27.67	0.585	33.01	-5.34
		2567.5	2.20	1 / 24	25.37	27.57	0.571	33.01	-5.44
	16-QAM	2535.0	2.20	1 / 0	24.82	27.02	0.504	33.01	-5.99
	64-QAM	2502.5	2.20	1 / 0	23.87	26.07	0.405	33.01	-6.94
256-QAM	2567.5	2.20	1 / 0	20.86	23.06	0.202	33.01	-9.95	
10 MHz	QPSK	2505.0	2.20	1 / 0	25.32	27.52	0.565	33.01	-5.49
		2535.0	2.20	1 / 49	25.37	27.57	0.571	33.01	-5.44
		2565.0	2.20	1 / 25	25.40	27.60	0.575	33.01	-5.41
	16-QAM	2565.0	2.20	1 / 49	24.76	26.96	0.497	33.01	-6.05
	64-QAM	2565.0	2.20	1 / 0	24.07	26.27	0.424	33.01	-6.74
256-QAM	2565.0	2.20	1 / 25	21.09	23.29	0.213	33.01	-9.72	
15 MHz	QPSK	2507.5	2.20	1 / 0	25.58	27.78	0.600	33.01	-5.23
		2535.0	2.20	1 / 0	25.48	27.68	0.586	33.01	-5.33
		2562.5	2.20	1 / 0	25.53	27.73	0.593	33.01	-5.28
	16-QAM	2562.5	2.20	1 / 0	24.87	27.07	0.509	33.01	-5.94
	64-QAM	2562.5	2.20	1 / 0	24.20	26.40	0.437	33.01	-6.61
256-QAM	2562.5	2.20	1 / 0	21.10	23.30	0.214	33.01	-9.71	
20 MHz	QPSK	2510.0	2.20	1 / 99	25.52	27.72	0.592	33.01	-5.29
		2535.0	2.20	1 / 0	25.27	27.47	0.558	33.01	-5.54
		2560.0	2.20	1 / 0	25.60	27.80	0.603	33.01	-5.21
	16-QAM	2560.0	2.20	1 / 0	24.81	27.01	0.502	33.01	-6.00
	64-QAM	2535.0	2.20	1 / 0	24.22	26.42	0.439	33.01	-6.59
256-QAM	2535.0	2.20	1 / 0	20.95	23.15	0.207	33.01	-9.86	


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

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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	3.00	1 / 12	27.20	30.20	1.047	33.01	-2.81
		2593.0	3.00	1 / 0	27.20	30.20	1.047	33.01	-2.81
		2687.5	3.00	1 / 12	27.17	30.17	1.040	33.01	-2.84
	16-QAM	2593.0	3.00	1 / 12	26.89	29.89	0.975	33.01	-3.12
	64-QAM	2593.0	3.00	1 / 12	26.54	29.54	0.899	33.01	-3.47
256-QAM	2593.0	3.00	1 / 12	23.27	26.27	0.424	33.01	-6.74	
10 MHz	QPSK	2501.0	3.00	1 / 49	27.20	30.20	1.047	33.01	-2.81
		2593.0	3.00	1 / 49	27.15	30.15	1.035	33.01	-2.86
		2685.0	3.00	1 / 0	27.17	30.17	1.040	33.01	-2.84
	16-QAM	2685.0	3.00	1 / 0	26.66	29.66	0.925	33.01	-3.35
	64-QAM	2685.0	3.00	1 / 0	25.59	28.59	0.723	33.01	-4.42
256-QAM	2685.0	3.00	1 / 49	22.73	25.73	0.374	33.01	-7.28	
15 MHz	QPSK	2503.5	3.00	1 / 37	27.15	30.15	1.035	33.01	-2.86
		2593.0	3.00	1 / 74	27.20	30.20	1.047	33.01	-2.81
		2682.5	3.00	1 / 74	27.06	30.06	1.014	33.01	-2.95
	16-QAM	2682.5	3.00	1 / 74	26.57	29.57	0.906	33.01	-3.44
	64-QAM	2682.5	3.00	1 / 74	25.50	28.50	0.708	33.01	-4.51
256-QAM	2593.0	3.00	1 / 0	22.65	25.65	0.367	33.01	-7.36	
20 MHz	QPSK	2506.0	3.00	1 / 50	27.05	30.05	1.012	33.01	-2.96
		2593.0	3.00	1 / 0	27.13	30.13	1.030	33.01	-2.88
		2680.0	3.00	1 / 0	27.20	30.20	1.047	33.01	-2.81
	16-QAM	2593.0	3.00	1 / 99	26.71	29.71	0.935	33.01	-3.30
	64-QAM	2680.0	3.00	1 / 50	25.50	28.50	0.708	33.01	-4.51
256-QAM	2680.0	3.00	1 / 0	23.32	26.32	0.429	33.01	-6.69	


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

FCC ID: BCGA2757	 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	3.00	1 / 12	25.59	28.59	0.723	33.01	-4.42	
		2593.0	3.00	1 / 24	25.56	28.56	0.718	33.01	-4.45	
		2687.5	3.00	1 / 0	25.46	28.46	0.701	33.01	-4.55	
	16-QAM	2498.5	3.00	1 / 12	24.57	27.57	0.571	33.01	-5.44	
		2593.0	3.00	1 / 24	23.90	26.90	0.490	33.01	-6.11	
		256-QAM	2498.5	3.00	1 / 24	20.80	23.80	0.240	33.01	-9.21
10 MHz	QPSK	2501.0	3.00	1 / 49	25.52	28.52	0.711	33.01	-4.49	
		2593.0	3.00	1 / 25	25.53	28.53	0.713	33.01	-4.48	
		2685.0	3.00	1 / 49	25.64	28.64	0.731	33.01	-4.37	
	16-QAM	2501.0	3.00	1 / 25	24.74	27.74	0.594	33.01	-5.27	
		64-QAM	2685.0	3.00	1 / 25	23.57	26.57	0.454	33.01	-6.44
		256-QAM	2685.0	3.00	1 / 49	20.68	23.68	0.233	33.01	-9.33
15 MHz	QPSK	2503.5	3.00	1 / 0	25.33	28.33	0.681	33.01	-4.68	
		2593.0	3.00	1 / 74	25.39	28.39	0.690	33.01	-4.62	
		2682.5	3.00	1 / 74	25.50	28.50	0.708	33.01	-4.51	
	16-QAM	2682.5	3.00	1 / 74	24.64	27.64	0.581	33.01	-5.37	
		64-QAM	2682.5	3.00	1 / 74	23.46	26.46	0.443	33.01	-6.55
		256-QAM	2682.5	3.00	1 / 74	20.54	23.54	0.226	33.01	-9.47
20 MHz	QPSK	2506.0	3.00	1 / 0	25.45	28.45	0.700	33.01	-4.56	
		2593.0	3.00	1 / 99	25.42	28.42	0.695	33.01	-4.59	
		2680.0	3.00	1 / 50	25.44	28.44	0.698	33.01	-4.57	
	16-QAM	2680.0	3.00	1 / 99	24.72	27.72	0.592	33.01	-5.29	
		64-QAM	2506.0	3.00	1 / 50	23.50	26.50	0.447	33.01	-6.51
		256-QAM	2506.0	3.00	1 / 50	21.08	24.08	0.256	33.01	-8.93


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

FCC ID: BCGA2757	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	π/2 BPSK	2307.5	1.20	1 / 1	20.98	22.18	0.165	23.98	-1.80
		2310.0	1.20	1 / 23	21.07	22.27	0.169	23.98	-1.71
		2312.5	1.20	1 / 23	20.82	22.02	0.159	23.98	-1.96
	QPSK	2307.5	1.20	1 / 1	20.84	22.04	0.160	23.98	-1.94
		2310.0	1.20	1 / 23	21.16	22.36	0.172	23.98	-1.62
		2312.5	1.20	1 / 23	21.05	22.25	0.168	23.98	-1.73
		16-QAM	2312.5	1.20	1 / 23	20.51	21.71	0.148	23.98
64-QAM	2307.5	1.20	1 / 1	18.77	19.97	0.099	23.98	-4.00	
256-QAM	2310.0	1.20	1 / 23	16.61	17.81	0.060	23.98	-6.17	
10 MHz	π/2 BPSK	2310.0	1.20	1 / 50	21.08	22.28	0.169	23.98	-1.70
	QPSK	2310.0	1.20	1 / 1	21.13	22.33	0.171	23.98	-1.65
	16-QAM	2310.0	1.20	1 / 1	20.33	21.53	0.142	23.98	-2.45
	64-QAM	2310.0	1.20	1 / 25	19.04	20.24	0.106	23.98	-3.74
	256-QAM	2310.0	1.20	1 / 50	16.68	17.88	0.061	23.98	-6.10

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

FCC ID: BCGA2757	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	π/2 BPSK	2502.5	2.20	1 / 12	25.63	27.83	0.607	33.01	-5.18
		2535.0	2.20	1 / 12	25.65	27.85	0.610	33.01	-5.16
		2567.5	2.20	1 / 23	25.51	27.71	0.590	33.01	-5.30
	QPSK	2502.5	2.20	1 / 23	25.50	27.70	0.588	33.01	-5.31
		2535.0	2.20	1 / 1	25.70	27.90	0.617	33.01	-5.11
		2567.5	2.20	1 / 23	25.69	27.89	0.615	33.01	-5.12
	16-QAM	2502.5	2.20	1 / 23	24.57	26.77	0.475	33.01	-6.24
	64-QAM	2535.0	2.20	1 / 23	23.32	25.52	0.356	33.01	-7.49
256-QAM	2502.5	2.20	1 / 23	20.94	23.14	0.206	33.01	-9.87	
10 MHz	π/2 BPSK	2505.0	2.20	1 / 1	25.67	27.87	0.612	33.01	-5.14
		2535.0	2.20	1 / 25	25.58	27.78	0.600	33.01	-5.23
		2565.0	2.20	1 / 1	25.67	27.87	0.612	33.01	-5.14
	QPSK	2505.0	2.20	1 / 50	25.68	27.88	0.613	33.01	-5.13
		2535.0	2.20	1 / 25	25.69	27.89	0.615	33.01	-5.12
		2565.0	2.20	1 / 1	25.70	27.90	0.617	33.01	-5.11
	16-QAM	2535.0	2.20	1 / 25	24.85	27.05	0.507	33.01	-5.96
	64-QAM	2535.0	2.20	1 / 25	23.19	25.39	0.346	33.01	-7.62
256-QAM	2535.0	2.20	1 / 25	21.26	23.46	0.222	33.01	-9.55	
15 MHz	π/2 BPSK	2507.5	2.20	1 / 1	25.49	27.69	0.587	33.01	-5.32
		2535.0	2.20	1 / 1	25.46	27.66	0.583	33.01	-5.35
		2562.5	2.20	1 / 1	25.70	27.90	0.616	33.01	-5.11
	QPSK	2507.5	2.20	1 / 1	25.42	27.62	0.578	33.01	-5.39
		2535.0	2.20	1 / 1	25.66	27.86	0.612	33.01	-5.15
		2562.5	2.20	1 / 1	25.70	27.90	0.617	33.01	-5.11
	16-QAM	2535.0	2.20	1 / 1	24.66	26.86	0.486	33.01	-6.15
	64-QAM	2507.5	2.20	1 / 1	23.16	25.36	0.344	33.01	-7.65
256-QAM	2535.0	2.20	1 / 1	21.13	23.33	0.215	33.01	-9.68	
20 MHz	π/2 BPSK	2510.0	2.20	1 / 50	25.48	27.68	0.587	33.01	-5.33
		2535.0	2.20	1 / 1	25.50	27.70	0.589	33.01	-5.31
		2560.0	2.20	1 / 50	25.56	27.76	0.597	33.01	-5.25
	QPSK	2510.0	2.20	1 / 50	25.32	27.52	0.565	33.01	-5.49
		2535.0	2.20	1 / 50	25.62	27.82	0.605	33.01	-5.19
		2560.0	2.20	1 / 98	25.50	27.70	0.588	33.01	-5.31
	16-QAM	2560.0	2.20	1 / 50	24.88	27.08	0.510	33.01	-5.93
	64-QAM	2560.0	2.20	1 / 98	23.35	25.55	0.359	33.01	-7.46
256-QAM	2510.0	2.20	1 / 98	21.01	23.21	0.209	33.01	-9.80	
25 MHz	π/2 BPSK	2512.5	2.20	1 / 1	25.68	27.88	0.614	33.01	-5.13
		2535.0	2.20	1 / 1	25.55	27.75	0.596	33.01	-5.26
		2557.5	2.20	1 / 131	25.70	27.90	0.617	33.01	-5.11
	QPSK	2512.5	2.20	1 / 1	25.55	27.75	0.596	33.01	-5.26
		2535.0	2.20	1 / 66	25.69	27.89	0.615	33.01	-5.12
		2557.5	2.20	1 / 1	25.48	27.68	0.586	33.01	-5.33
	16-QAM	2535.0	2.20	1 / 131	24.94	27.14	0.518	33.01	-5.87
	64-QAM	2512.5	2.20	1 / 66	23.35	25.55	0.359	33.01	-7.46
256-QAM	2557.5	2.20	1 / 1	21.12	23.32	0.215	33.01	-9.69	
30 MHz	π/2 BPSK	2515.0	2.20	1 / 158	25.64	27.84	0.609	33.01	-5.17
		2535.0	2.20	1 / 158	25.69	27.89	0.615	33.01	-5.12
		2555.0	2.20	1 / 158	25.70	27.90	0.617	33.01	-5.11
	QPSK	2515.0	2.20	1 / 1	25.26	27.46	0.558	33.01	-5.55
		2535.0	2.20	1 / 80	25.56	27.76	0.597	33.01	-5.25
		2555.0	2.20	1 / 1	25.56	27.76	0.597	33.01	-5.25
	16-QAM	2535.0	2.20	1 / 80	24.67	26.87	0.486	33.01	-6.14
	64-QAM	2515.0	2.20	1 / 80	23.22	25.42	0.348	33.01	-7.59
256-QAM	2535.0	2.20	1 / 158	20.88	23.08	0.203	33.01	-9.93	
40 MHz	π/2 BPSK	2520.0	2.20	1 / 108	25.50	27.70	0.588	33.01	-5.31
		2535.0	2.20	1 / 214	25.56	27.76	0.597	33.01	-5.25
		2550.0	2.20	1 / 108	25.29	27.49	0.560	33.01	-5.52
	QPSK	2520.0	2.20	1 / 1	25.59	27.79	0.601	33.01	-5.23
		2535.0	2.20	1 / 1	25.43	27.63	0.580	33.01	-5.38
		2550.0	2.20	1 / 108	25.66	27.86	0.611	33.01	-5.15
	16-QAM	2535.0	2.20	1 / 1	25.16	27.36	0.545	33.01	-5.65
	64-QAM	2550.0	2.20	1 / 214	23.47	25.67	0.369	33.01	-7.34
256-QAM	2520.0	2.20	1 / 108	21.20	23.40	0.219	33.01	-9.61	

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

FCC ID: BCGA2757	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	3.00	1 / 49	27.68	30.68	1.170	33.01	-2.33
		2593.0	3.00	1 / 1	27.51	30.51	1.125	33.01	-2.50
		2680.0	3.00	1 / 1	27.57	30.57	1.140	33.01	-2.44
	QPSK	2506.0	3.00	1 / 49	27.65	30.65	1.162	33.01	-2.36
		2593.0	3.00	1 / 25	26.84	29.84	0.964	33.01	-3.17
		2680.0	3.00	1 / 1	27.70	30.70	1.175	33.01	-2.31
	16-QAM	2506.0	3.00	1 / 49	26.89	29.89	0.975	33.01	-3.12
	64-QAM	2680.0	3.00	1 / 25	25.23	28.23	0.665	33.01	-4.78
256-QAM	2680.0	3.00	1 / 49	23.62	26.62	0.459	33.01	-6.39	
30 MHz	π/2 BPSK	2511.0	3.00	1 / 39	27.22	30.22	1.051	33.01	-2.79
		2593.0	3.00	1 / 39	27.64	30.64	1.158	33.01	-2.37
		2675.0	3.00	1 / 1	27.70	30.70	1.175	33.01	-2.31
	QPSK	2511.0	3.00	1 / 76	27.68	30.68	1.169	33.01	-2.33
		2593.0	3.00	1 / 39	27.00	30.00	0.999	33.01	-3.01
		2675.0	3.00	1 / 39	27.67	30.67	1.167	33.01	-2.34
	16-QAM	2675.0	3.00	1 / 1	27.15	30.15	1.036	33.01	-2.86
	64-QAM	2675.0	3.00	1 / 1	25.28	28.28	0.673	33.01	-4.73
	256-QAM	2511.0	3.00	1 / 76	23.80	26.80	0.478	33.01	-6.21
	40 MHz	π/2 BPSK	2516.0	3.00	1 / 53	27.70	30.70	1.175	33.01
2593.0			3.00	1 / 1	27.54	30.54	1.131	33.01	-2.48
2670.0			3.00	1 / 1	27.68	30.68	1.171	33.01	-2.33
QPSK		2516.0	3.00	1 / 53	27.50	30.50	1.122	33.01	-2.51
		2593.0	3.00	1 / 1	27.32	30.32	1.075	33.01	-2.70
		2670.0	3.00	1 / 1	27.50	30.50	1.123	33.01	-2.51
16-QAM		2516.0	3.00	1 / 53	26.80	29.80	0.954	33.01	-3.21
64-QAM		2593.0	3.00	1 / 53	25.56	28.56	0.718	33.01	-4.45
256-QAM	2516.0	3.00	1 / 53	23.62	26.62	0.459	33.01	-6.39	
50 MHz	π/2 BPSK	2521.0	3.00	1 / 131	27.70	30.70	1.175	33.01	-2.31
		2593.0	3.00	1 / 131	27.53	30.53	1.130	33.01	-2.48
		2665.0	3.00	1 / 1	27.69	30.69	1.173	33.01	-2.32
	QPSK	2521.0	3.00	1 / 131	27.63	30.63	1.156	33.01	-2.38
		2593.0	3.00	1 / 1	27.67	30.67	1.166	33.01	-2.34
		2665.0	3.00	1 / 66	27.38	30.38	1.092	33.01	-2.63
	16-QAM	2593.0	3.00	1 / 1	26.92	29.92	0.981	33.01	-3.09
	64-QAM	2593.0	3.00	1 / 1	25.42	28.42	0.694	33.01	-4.59
256-QAM	2665.0	3.00	1 / 131	23.59	26.59	0.456	33.01	-6.42	
60 MHz	π/2 BPSK	2526.0	3.00	1 / 81	27.70	30.70	1.175	33.01	-2.31
		2593.0	3.00	1 / 81	27.57	30.57	1.140	33.01	-2.44
		2660.0	3.00	1 / 160	27.48	30.48	1.116	33.01	-2.54
	QPSK	2526.0	3.00	1 / 160	27.68	30.68	1.170	33.01	-2.33
		2593.0	3.00	1 / 1	27.59	30.59	1.146	33.01	-2.42
		2660.0	3.00	1 / 1	27.68	30.68	1.168	33.01	-2.34
	16-QAM	2660.0	3.00	1 / 1	26.66	29.66	0.924	33.01	-3.35
	64-QAM	2593.0	3.00	1 / 160	25.40	28.40	0.691	33.01	-4.61
256-QAM	2660.0	3.00	1 / 1	23.54	26.54	0.450	33.01	-6.47	
80 MHz	π/2 BPSK	2536.0	3.00	1 / 215	27.59	30.59	1.147	33.01	-2.42
		2593.0	3.00	1 / 215	27.65	30.65	1.161	33.01	-2.36
		2650.0	3.00	1 / 108	27.57	30.57	1.140	33.01	-2.44
	QPSK	2536.0	3.00	1 / 215	27.50	30.50	1.121	33.01	-2.52
		2593.0	3.00	1 / 215	27.27	30.27	1.063	33.01	-2.74
		2650.0	3.00	1 / 108	27.70	30.70	1.175	33.01	-2.31
	16-QAM	2536.0	3.00	1 / 215	26.82	29.82	0.959	33.01	-3.19
	64-QAM	2536.0	3.00	1 / 215	25.43	28.43	0.697	33.01	-4.58
256-QAM	2593.0	3.00	1 / 215	23.53	26.53	0.450	33.01	-6.48	
90 MHz	π/2 BPSK	2541.0	3.00	1 / 122	27.64	30.64	1.159	33.01	-2.37
		2593.0	3.00	1 / 243	27.70	30.70	1.175	33.01	-2.31
		2645.0	3.00	1 / 122	27.56	30.56	1.137	33.01	-2.45
	QPSK	2541.0	3.00	1 / 122	27.61	30.61	1.151	33.01	-2.40
		2593.0	3.00	1 / 243	27.50	30.50	1.121	33.01	-2.51
		2645.0	3.00	1 / 122	27.64	30.64	1.159	33.01	-2.37
	16-QAM	2593.0	3.00	1 / 243	26.67	29.67	0.927	33.01	-3.34
	64-QAM	2645.0	3.00	1 / 122	25.29	28.29	0.674	33.01	-4.72
256-QAM	2541.0	3.00	1 / 243	23.49	26.49	0.445	33.01	-6.52	
100 MHz	π/2 BPSK	2546.0	3.00	1 / 136	27.52	30.52	1.128	33.01	-2.49
		2593.0	3.00	1 / 271	27.70	30.70	1.175	33.01	-2.31
		2640.0	3.00	1 / 136	27.51	30.51	1.125	33.01	-2.50
	QPSK	2546.0	3.00	1 / 136	27.52	30.52	1.126	33.01	-2.49
		2593.0	3.00	1 / 271	27.53	30.53	1.129	33.01	-2.48
		2640.0	3.00	1 / 136	27.67	30.67	1.166	33.01	-2.34
	16-QAM	2593.0	3.00	1 / 271	26.74	29.74	0.942	33.01	-3.27
	64-QAM	2546.0	3.00	1 / 136	25.26	28.26	0.670	33.01	-4.75
256-QAM	2546.0	3.00	1 / 136	23.34	26.34	0.431	33.01	-6.67	

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

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n41 (PC3)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dB]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	π/2 BPSK	2506.0	3.00	1 / 49	25.56	28.56	0.717	33.01	-4.45
		2593.0	3.00	1 / 49	25.70	28.70	0.741	33.01	-4.31
		2680.0	3.00	1 / 25	25.69	28.69	0.740	33.01	-4.32
	QPSK	2506.0	3.00	1 / 25	25.57	28.57	0.720	33.01	-4.44
		2593.0	3.00	1 / 1	25.66	28.66	0.735	33.01	-4.35
		2680.0	3.00	1 / 25	25.69	28.69	0.739	33.01	-4.32
	16-QAM	2593.0	3.00	1 / 49	25.00	28.00	0.631	33.01	-5.01
		64-QAM	2593.0	3.00	1 / 1	23.36	26.36	0.433	33.01
256-QAM	2680.0	3.00	1 / 1	21.53	24.53	0.284	33.01	-8.48	
30 MHz	π/2 BPSK	2511.0	3.00	1 / 76	25.63	28.63	0.729	33.01	-4.38
		2593.0	3.00	1 / 76	25.48	28.48	0.704	33.01	-4.53
		2675.0	3.00	1 / 76	25.70	28.70	0.741	33.01	-4.31
	QPSK	2511.0	3.00	1 / 39	25.68	28.68	0.738	33.01	-4.33
		2593.0	3.00	1 / 39	25.33	28.33	0.680	33.01	-4.69
		2675.0	3.00	1 / 76	25.57	28.57	0.719	33.01	-4.44
	16-QAM	2511.0	3.00	1 / 39	24.76	27.76	0.597	33.01	-5.25
	64-QAM	2675.0	3.00	1 / 1	23.12	26.12	0.409	33.01	-6.89
	256-QAM	2593.0	3.00	1 / 76	21.29	24.29	0.269	33.01	-8.72
	40 MHz	π/2 BPSK	2516.0	3.00	1 / 104	25.70	28.70	0.741	33.01
2593.0			3.00	1 / 53	25.67	28.67	0.736	33.01	-4.34
2670.0			3.00	1 / 104	25.55	28.55	0.716	33.01	-4.46
QPSK		2516.0	3.00	1 / 53	25.51	28.51	0.709	33.01	-4.50
		2593.0	3.00	1 / 104	25.60	28.60	0.724	33.01	-4.41
		2670.0	3.00	1 / 53	25.36	28.36	0.685	33.01	-4.65
16-QAM		2593.0	3.00	1 / 104	24.79	27.79	0.601	33.01	-5.22
64-QAM		2593.0	3.00	1 / 104	23.28	26.28	0.425	33.01	-6.73
256-QAM	2593.0	3.00	1 / 104	21.43	24.43	0.277	33.01	-8.58	
50 MHz	π/2 BPSK	2521.0	3.00	1 / 131	25.70	28.70	0.741	33.01	-4.31
		2593.0	3.00	1 / 131	25.65	28.65	0.732	33.01	-4.36
		2665.0	3.00	1 / 66	25.60	28.60	0.724	33.01	-4.41
	QPSK	2521.0	3.00	1 / 66	25.63	28.63	0.730	33.01	-4.38
		2593.0	3.00	1 / 66	25.51	28.51	0.710	33.01	-4.50
		2665.0	3.00	1 / 1	25.66	28.66	0.734	33.01	-4.35
	16-QAM	2665.0	3.00	1 / 1	24.83	27.83	0.606	33.01	-5.18
	64-QAM	2521.0	3.00	1 / 66	23.33	26.33	0.429	33.01	-6.68
256-QAM	2593.0	3.00	1 / 131	21.42	24.42	0.277	33.01	-8.59	
60 MHz	π/2 BPSK	2526.0	3.00	1 / 160	25.45	28.45	0.700	33.01	-4.56
		2593.0	3.00	1 / 160	25.68	28.68	0.738	33.01	-4.33
		2660.0	3.00	1 / 1	25.70	28.70	0.741	33.01	-4.31
	QPSK	2526.0	3.00	1 / 160	25.51	28.51	0.710	33.01	-4.50
		2593.0	3.00	1 / 160	25.63	28.63	0.729	33.01	-4.38
		2660.0	3.00	1 / 1	25.60	28.60	0.725	33.01	-4.41
	16-QAM	2660.0	3.00	1 / 160	24.88	27.88	0.614	33.01	-5.13
	64-QAM	2660.0	3.00	1 / 1	23.63	26.63	0.460	33.01	-6.38
256-QAM	2660.0	3.00	1 / 160	21.47	24.47	0.280	33.01	-8.54	
80 MHz	π/2 BPSK	2536.0	3.00	1 / 215	25.64	28.64	0.732	33.01	-4.37
		2593.0	3.00	1 / 108	25.51	28.51	0.709	33.01	-4.50
		2650.0	3.00	1 / 215	25.63	28.63	0.730	33.01	-4.38
	QPSK	2536.0	3.00	1 / 215	25.63	28.63	0.730	33.01	-4.38
		2593.0	3.00	1 / 108	25.49	28.49	0.706	33.01	-4.52
		2650.0	3.00	1 / 108	25.70	28.70	0.741	33.01	-4.31
	16-QAM	2593.0	3.00	1 / 108	24.76	27.76	0.597	33.01	-5.25
	64-QAM	2593.0	3.00	1 / 108	23.18	26.18	0.415	33.01	-6.83
256-QAM	2536.0	3.00	1 / 215	21.35	24.35	0.272	33.01	-8.66	
90 MHz	π/2 BPSK	2541.0	3.00	1 / 122	25.56	28.56	0.718	33.01	-4.45
		2593.0	3.00	1 / 122	25.48	28.48	0.705	33.01	-4.53
		2645.0	3.00	1 / 243	25.64	28.64	0.732	33.01	-4.37
	QPSK	2541.0	3.00	1 / 243	25.70	28.70	0.741	33.01	-4.31
		2593.0	3.00	1 / 243	25.64	28.64	0.732	33.01	-4.37
		2645.0	3.00	1 / 122	25.70	28.70	0.741	33.01	-4.31
	16-QAM	2541.0	3.00	1 / 122	25.06	28.06	0.640	33.01	-4.95
	64-QAM	2541.0	3.00	1 / 122	23.48	26.48	0.445	33.01	-6.53
256-QAM	2645.0	3.00	1 / 243	21.42	24.42	0.276	33.01	-8.59	
100 MHz	π/2 BPSK	2546.0	3.00	1 / 136	25.67	28.67	0.737	33.01	-4.34
		2593.0	3.00	1 / 136	25.48	28.48	0.705	33.01	-4.53
		2640.0	3.00	1 / 1	25.69	28.69	0.740	33.01	-4.32
	QPSK	2546.0	3.00	1 / 136	25.68	28.68	0.738	33.01	-4.33
		2593.0	3.00	1 / 136	25.69	28.69	0.740	33.01	-4.32
		2640.0	3.00	1 / 271	25.70	28.70	0.741	33.01	-4.31
	16-QAM	2546.0	3.00	1 / 271	24.90	27.90	0.616	33.01	-5.11
	64-QAM	2546.0	3.00	1 / 136	23.22	26.22	0.419	33.01	-6.79
256-QAM	2546.0	3.00	1 / 271	21.52	24.52	0.283	33.01	-8.49	

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

FCC ID: BCGA2757	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	25.40	2.20	27.60	0.575	33.01	-5.41
				21100	2535.0	1	99		21298	2554.8	1	0	25.19	2.20	27.39	0.548	33.01	-5.62
				21350	2560.0	1	0		21152	2540.2	1	99	25.32	2.20	27.52	0.565	33.01	-5.49
			QPSK	20850	2510	100	0	QPSK	21048	2529.8	100	0	23.34	2.20	25.54	0.358	33.01	-7.47
				16-QAM	20850	2510	100	0	16-QAM	21048	2529.8	100	0	22.37	2.20	24.57	0.286	33.01
			64-QAM	20850	2510	100	0	64-QAM	21048	2529.8	100	0	22.31	2.20	24.51	0.282	33.01	-8.50
			256-QAM	20850	2510	100	0	256-QAM	21048	2529.8	100	0	20.38	2.20	22.58	0.181	33.01	-10.43

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

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	27.49	3.00	30.49	1.119	33.01	-2.52
				40620	2593.0	1	99		40818	2612.8	1	0	27.45	3.00	30.45	1.109	33.01	-2.56
				41490	2680.0	1	0		41292	2660.2	1	99	27.25	3.00	30.25	1.059	33.01	-2.76
			QPSK	39750	2506	100	0	QPSK	39948	2525.8	100	0	25.62	3.00	28.62	0.728	33.01	-4.39
			16-QAM	39750	2506	100	0	16-QAM	39948	2525.8	100	0	24.62	3.00	27.62	0.578	33.01	-5.39
			64-QAM	39750	2506	100	0	64-QAM	39948	2525.8	100	0	24.55	3.00	27.55	0.569	33.01	-5.46
			256-QAM	39750	2506	100	0	256-QAM	39948	2525.8	100	0	22.54	3.00	25.54	0.358	33.01	-7.47

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

FCC ID: BCGA2757		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	25.7	3.00	28.70	0.741	33.01	-4.31
				40620	2593.0	1	99		40818	2612.8	1	0	25.6	3.00	28.60	0.724	33.01	-4.41
				41490	2680.0	1	0		41292	2660.2	1	99	25.56	3.00	28.56	0.718	33.01	-4.45
			QPSK	39750	2506	100	0	QPSK	39948	2525.8	100	0	23.76	3.00	26.76	0.474	33.01	-6.25
				16-QAM	39750	2506	100	0	16-QAM	39948	2525.8	100	0	22.76	3.00	25.76	0.377	33.01
			64-QAM	39750	2506	100	0	64-QAM	39948	2525.8	100	0	22.77	3.00	25.77	0.378	33.01	-7.24
				256-QAM	39750	2506	100	0	256-QAM	39948	2525.8	100	0	20.75	3.00	23.75	0.237	33.01

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

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.6.2 Antenna 2b – 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	-1.60	1 / 0	24.12	22.52	0.179	23.98	-1.46
		2310.0	-1.60	1 / 0	24.16	22.56	0.180	23.98	-1.42
		2312.5	-1.60	1 / 12	23.96	22.36	0.172	23.98	-1.62
	16-QAM	2310.0	-1.60	1 / 12	23.76	22.16	0.164	23.98	-1.82
	64-QAM	2312.5	-1.60	1 / 0	22.60	21.00	0.126	23.98	-2.98
10 MHz	256-QAM	2310.0	-1.60	1 / 0	19.47	17.87	0.061	23.98	-6.11
	QPSK	2310.0	-1.60	1 / 0	24.18	22.58	0.181	23.98	-1.40
	16-QAM	2310.0	-1.60	1 / 25	23.22	21.62	0.145	23.98	-2.36
	64-QAM	2310.0	-1.60	1 / 25	22.40	20.80	0.120	23.98	-3.18
	256-QAM	2310.0	-1.60	1 / 25	19.91	18.31	0.068	23.98	-5.67

Table 7-14. Antenna 2b EIRP Data (LTE Band 30)


FCC ID: BCGA2757	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 7

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dB]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2502.5	-0.90	1 / 0	23.96	23.06	0.202	33.01	-9.95
		2535.0	-0.90	1 / 0	24.05	23.15	0.207	33.01	-9.86
		2567.5	-0.90	1 / 12	23.87	22.97	0.198	33.01	-10.04
	16-QAM	2535.0	-0.90	1 / 0	23.27	22.37	0.173	33.01	-10.64
	64-QAM	2502.5	-0.90	1 / 0	22.38	21.48	0.141	33.01	-11.53
256-QAM	2502.5	-0.90	1 / 0	19.45	18.55	0.072	33.01	-14.46	
10 MHz	QPSK	2505.0	-0.90	1 / 25	23.95	23.05	0.202	33.01	-9.96
		2535.0	-0.90	1 / 25	23.93	23.03	0.201	33.01	-9.98
		2565.0	-0.90	1 / 49	23.97	23.07	0.203	33.01	-9.94
	16-QAM	2565.0	-0.90	1 / 0	23.30	22.40	0.174	33.01	-10.61
	64-QAM	2565.0	-0.90	1 / 0	22.64	21.74	0.149	33.01	-11.27
256-QAM	2565.0	-0.90	1 / 25	19.59	18.69	0.074	33.01	-14.32	
15 MHz	QPSK	2507.5	-0.90	1 / 0	24.16	23.26	0.212	33.01	-9.75
		2535.0	-0.90	1 / 0	24.01	23.11	0.205	33.01	-9.90
		2562.5	-0.90	1 / 0	24.01	23.11	0.205	33.01	-9.90
	16-QAM	2562.5	-0.90	1 / 74	23.32	22.42	0.175	33.01	-10.59
	64-QAM	2562.5	-0.90	1 / 0	22.75	21.85	0.153	33.01	-11.16
256-QAM	2562.5	-0.90	1 / 0	19.70	18.80	0.076	33.01	-14.21	
20 MHz	QPSK	2510.0	-0.90	1 / 0	24.08	23.18	0.208	33.01	-9.83
		2535.0	-0.90	1 / 0	23.85	22.95	0.197	33.01	-10.06
		2560.0	-0.90	1 / 50	24.08	23.18	0.208	33.01	-9.83
	16-QAM	2560.0	-0.90	1 / 50	23.36	22.46	0.176	33.01	-10.55
	64-QAM	2535.0	-0.90	1 / 50	22.75	21.85	0.153	33.01	-11.16
256-QAM	2535.0	-0.90	1 / 50	19.53	18.63	0.073	33.01	-14.38	


Table 7-15. Antenna 2b EIRP Data (LTE Band 7)

FCC ID: BCGA2757	 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	-0.90	1 / 0	25.60	24.70	0.295	33.01	-8.31
		2593.0	-0.90	1 / 12	25.45	24.55	0.285	33.01	-8.46
		2687.5	-0.90	1 / 0	25.55	24.65	0.292	33.01	-8.36
	16-QAM	2498.5	-0.90	1 / 0	24.78	23.88	0.244	33.01	-9.13
	64-QAM	2498.5	-0.90	1 / 0	24.54	23.64	0.231	33.01	-9.37
256-QAM	2593.0	-0.90	1 / 24	21.28	20.38	0.109	33.01	-12.63	
10 MHz	QPSK	2501.0	-0.90	1 / 25	25.47	24.57	0.286	33.01	-8.44
		2593.0	-0.90	1 / 0	25.51	24.61	0.289	33.01	-8.40
		2685.0	-0.90	1 / 25	25.40	24.50	0.282	33.01	-8.51
	16-QAM	2593.0	-0.90	1 / 0	24.42	23.52	0.225	33.01	-9.49
	64-QAM	2501.0	-0.90	1 / 49	23.61	22.71	0.187	33.01	-10.30
256-QAM	2501.0	-0.90	1 / 49	21.50	20.60	0.115	33.01	-12.41	
15 MHz	QPSK	2503.5	-0.90	1 / 0	24.57	23.67	0.233	33.01	-9.34
		2593.0	-0.90	1 / 37	25.53	24.63	0.290	33.01	-8.38
		2682.5	-0.90	1 / 74	25.39	24.49	0.281	33.01	-8.52
	16-QAM	2682.5	-0.90	1 / 74	24.42	23.52	0.225	33.01	-9.49
	64-QAM	2682.5	-0.90	1 / 0	23.35	22.45	0.176	33.01	-10.56
256-QAM	2503.5	-0.90	1 / 37	21.46	20.56	0.114	33.01	-12.45	
20 MHz	QPSK	2506.0	-0.90	1 / 50	25.59	24.69	0.294	33.01	-8.32
		2593.0	-0.90	1 / 50	25.41	24.51	0.282	33.01	-8.50
		2680.0	-0.90	1 / 0	25.44	24.54	0.284	33.01	-8.47
	16-QAM	2506.0	-0.90	1 / 50	24.36	23.46	0.222	33.01	-9.55
	64-QAM	2506.0	-0.90	1 / 99	23.45	22.55	0.180	33.01	-10.46
256-QAM	2506.0	-0.90	1 / 50	21.43	20.53	0.113	33.01	-12.48	


Table 7-16. Antenna 2b EIRP Data (LTE Band 41(PC2))

FCC ID: BCGA2757	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-04-R2.BCG	Test Dates: 7/3/2022 - 9/15/2022	EUT Type: Tablet Device	Page 192 of 284

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	-0.90	1 / 0	25.23	24.33	0.271	33.01	-8.68
		2593.0	-0.90	1 / 0	25.01	24.11	0.258	33.01	-8.90
		2687.5	-0.90	1 / 0	25.16	24.26	0.267	33.01	-8.75
	16-QAM	2687.5	-0.90	1 / 24	24.13	23.23	0.210	33.01	-9.78
	64-QAM	2687.5	-0.90	1 / 24	23.45	22.55	0.180	33.01	-10.46
256-QAM	2687.5	-0.90	1 / 24	20.41	19.51	0.089	33.01	-13.50	
10 MHz	QPSK	2501.0	-0.90	1 / 25	25.27	24.37	0.274	33.01	-8.64
		2593.0	-0.90	1 / 0	25.23	24.33	0.271	33.01	-8.68
		2685.0	-0.90	1 / 25	25.06	24.16	0.261	33.01	-8.85
	16-QAM	2685.0	-0.90	1 / 25	24.25	23.35	0.216	33.01	-9.66
	64-QAM	2501.0	-0.90	1 / 25	23.19	22.29	0.169	33.01	-10.72
	256-QAM	2501.0	-0.90	1 / 25	20.27	19.37	0.086	33.01	-13.64
15 MHz	QPSK	2503.5	-0.90	1 / 0	25.00	24.10	0.257	33.01	-8.91
		2593.0	-0.90	1 / 0	24.98	24.08	0.256	33.01	-8.93
		2682.5	-0.90	1 / 74	25.04	24.14	0.259	33.01	-8.87
	16-QAM	2682.5	-0.90	1 / 74	24.18	23.28	0.213	33.01	-9.73
	64-QAM	2682.5	-0.90	1 / 0	22.99	22.09	0.162	33.01	-10.92
	256-QAM	2503.5	-0.90	1 / 74	20.17	19.27	0.085	33.01	-13.74
20 MHz	QPSK	2506.0	-0.90	1 / 0	25.04	24.14	0.259	33.01	-8.87
		2593.0	-0.90	1 / 0	24.97	24.07	0.255	33.01	-8.94
		2680.0	-0.90	1 / 50	24.99	24.09	0.256	33.01	-8.92
	16-QAM	2680.0	-0.90	1 / 50	24.24	23.34	0.216	33.01	-9.67
	64-QAM	2506.0	-0.90	1 / 0	23.12	22.22	0.167	33.01	-10.79
	256-QAM	2506.0	-0.90	1 / 99	20.74	19.84	0.096	33.01	-13.17


Table 7-17. Antenna 2b EIRP Data (LTE Band 41(PC3))

FCC ID: BCGA2757	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-04-R2.BCG	Test Dates: 7/3/2022 - 9/15/2022	EUT Type: Tablet Device	Page 193 of 284

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	π/2 BPSK	2307.5	-1.60	1 / 12	19.63	18.03	0.064	23.98	-5.95
		2310.0	-1.60	1 / 1	19.70	18.10	0.065	23.98	-5.88
		2312.5	-1.60	1 / 12	19.70	18.10	0.065	23.98	-5.88
	QPSK	2307.5	-1.60	1 / 1	19.70	18.10	0.065	23.98	-5.88
		2310.0	-1.60	1 / 1	19.43	17.83	0.061	23.98	-6.15
		2312.5	-1.60	1 / 12	19.58	17.98	0.063	23.98	-6.00
	16-QAM	2312.5	-1.60	1 / 12	18.94	17.34	0.054	23.98	-6.64
	64-QAM	2312.5	-1.60	1 / 12	17.89	16.29	0.043	23.98	-7.69
256-QAM	2307.5	-1.60	1 / 1	15.49	13.89	0.024	23.98	-10.09	
10 MHz	π/2 BPSK	2310.0	-1.60	1 / 25	19.68	18.08	0.064	23.98	-5.90
	QPSK	2310.0	-1.60	1 / 1	19.56	17.96	0.063	23.98	-6.02
	16-QAM	2310.0	-1.60	1 / 25	18.55	16.95	0.050	23.98	-7.03
	64-QAM	2310.0	-1.60	1 / 50	17.55	15.95	0.039	23.98	-8.03
	256-QAM	2310.0	-1.60	1 / 25	15.14	13.54	0.023	23.98	-10.44

Table 7-18. Antenna 2b EIRP Data (NR Band n30)

FCC ID: BCGA2757	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-04-R2.BCG	Test Dates: 7/3/2022 - 9/15/2022	EUT Type: Tablet Device	Page 194 of 284

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	π/2 BPSK	2502.5	-0.90	1 / 23	23.98	23.08	0.203	33.01	-9.93
		2535.0	-0.90	1 / 23	24.08	23.18	0.208	33.01	-9.83
		2567.5	-0.90	1 / 12	23.85	22.95	0.197	33.01	-10.06
	QPSK	2502.5	-0.90	1 / 1	24.20	23.30	0.214	33.01	-9.71
		2535.0	-0.90	1 / 12	24.13	23.23	0.210	33.01	-9.78
		2567.5	-0.90	1 / 12	24.20	23.30	0.214	33.01	-9.71
		2535.0	-0.90	1 / 12	23.51	22.61	0.183	33.01	-10.40
16-QAM	2567.5	-0.90	1 / 23	21.75	20.85	0.122	33.01	-12.16	
256-QAM	2502.5	-0.90	1 / 23	19.47	18.57	0.072	33.01	-14.44	
10 MHz	π/2 BPSK	2505.0	-0.90	1 / 50	24.06	23.16	0.207	33.01	-9.85
		2535.0	-0.90	1 / 50	24.00	23.10	0.204	33.01	-9.91
		2565.0	-0.90	1 / 50	23.84	22.94	0.197	33.01	-10.07
	QPSK	2505.0	-0.90	1 / 25	24.18	23.28	0.213	33.01	-9.73
		2535.0	-0.90	1 / 25	24.20	23.30	0.214	33.01	-9.71
		2565.0	-0.90	1 / 1	24.16	23.26	0.212	33.01	-9.75
	16-QAM	2505.0	-0.90	1 / 50	23.11	22.21	0.166	33.01	-10.80
64-QAM	2535.0	-0.90	1 / 1	21.76	20.86	0.122	33.01	-12.15	
256-QAM	2535.0	-0.90	1 / 50	19.62	18.72	0.074	33.01	-14.29	
15 MHz	π/2 BPSK	2507.5	-0.90	1 / 73	24.07	23.17	0.207	33.01	-9.84
		2535.0	-0.90	1 / 37	24.15	23.25	0.212	33.01	-9.76
		2562.5	-0.90	1 / 73	24.08	23.18	0.208	33.01	-9.83
	QPSK	2507.5	-0.90	1 / 37	23.89	22.99	0.199	33.01	-10.02
		2535.0	-0.90	1 / 1	24.20	23.30	0.214	33.01	-9.71
		2562.5	-0.90	1 / 1	24.12	23.22	0.210	33.01	-9.79
	16-QAM	2562.5	-0.90	1 / 1	23.23	22.33	0.171	33.01	-10.68
64-QAM	2562.5	-0.90	1 / 73	21.73	20.83	0.121	33.01	-12.18	
256-QAM	2562.5	-0.90	1 / 37	19.87	18.97	0.079	33.01	-14.04	
20 MHz	π/2 BPSK	2510.0	-0.90	1 / 98	23.96	23.06	0.202	33.01	-9.95
		2535.0	-0.90	1 / 50	23.94	23.04	0.202	33.01	-9.97
		2560.0	-0.90	1 / 50	23.95	23.05	0.202	33.01	-9.96
	QPSK	2510.0	-0.90	1 / 98	24.07	23.17	0.207	33.01	-9.84
		2535.0	-0.90	1 / 50	24.20	23.30	0.214	33.01	-9.71
		2560.0	-0.90	1 / 98	24.16	23.26	0.212	33.01	-9.75
	16-QAM	2560.0	-0.90	1 / 98	23.10	22.20	0.166	33.01	-10.81
64-QAM	2560.0	-0.90	1 / 98	21.52	20.62	0.115	33.01	-12.39	
256-QAM	2560.0	-0.90	1 / 98	19.42	18.52	0.071	33.01	-14.49	
25 MHz	π/2 BPSK	2512.5	-0.90	1 / 131	23.84	22.94	0.197	33.01	-10.07
		2535.0	-0.90	1 / 1	23.96	23.06	0.202	33.01	-9.95
		2557.5	-0.90	1 / 131	24.14	23.24	0.211	33.01	-9.77
	QPSK	2512.5	-0.90	1 / 131	23.95	23.05	0.202	33.01	-9.97
		2535.0	-0.90	1 / 1	23.93	23.03	0.201	33.01	-9.98
		2557.5	-0.90	1 / 66	24.20	23.30	0.214	33.01	-9.71
	16-QAM	2535.0	-0.90	1 / 1	23.39	22.49	0.177	33.01	-10.52
64-QAM	2535.0	-0.90	1 / 1	21.64	20.74	0.119	33.01	-12.27	
256-QAM	2535.0	-0.90	1 / 1	19.54	18.64	0.073	33.01	-14.37	
30 MHz	π/2 BPSK	2515.0	-0.90	1 / 158	24.20	23.30	0.214	33.01	-9.71
		2535.0	-0.90	1 / 1	23.96	23.06	0.202	33.01	-9.95
		2555.0	-0.90	1 / 158	23.99	23.09	0.204	33.01	-9.92
	QPSK	2515.0	-0.90	1 / 1	24.13	23.23	0.210	33.01	-9.78
		2535.0	-0.90	1 / 80	24.17	23.27	0.212	33.01	-9.74
		2555.0	-0.90	1 / 1	24.13	23.23	0.210	33.01	-9.78
	16-QAM	2515.0	-0.90	1 / 80	23.31	22.41	0.174	33.01	-10.60
64-QAM	2535.0	-0.90	1 / 158	22.23	21.33	0.136	33.01	-11.68	
256-QAM	2555.0	-0.90	1 / 1	20.25	19.35	0.086	33.01	-13.66	
40 MHz	π/2 BPSK	2520.0	-0.90	1 / 1	24.01	23.11	0.205	33.01	-9.90
		2535.0	-0.90	1 / 214	23.86	22.96	0.198	33.01	-10.05
		2550.0	-0.90	1 / 108	23.91	23.01	0.200	33.01	-10.00
	QPSK	2520.0	-0.90	1 / 1	24.20	23.30	0.214	33.01	-9.71
		2535.0	-0.90	1 / 108	24.13	23.23	0.211	33.01	-9.78
		2550.0	-0.90	1 / 214	23.91	23.01	0.200	33.01	-10.00
	16-QAM	2535.0	-0.90	1 / 108	23.30	22.40	0.174	33.01	-10.61
64-QAM	2520.0	-0.90	1 / 108	21.75	20.85	0.122	33.01	-12.16	
256-QAM	2535.0	-0.90	1 / 1	19.69	18.79	0.076	33.01	-14.22	

Table 7-19. Antenna 2b EIRP Data (NR Band n7)

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090023-04-R2.BCG	Test Dates: 7/3/2022 - 9/15/2022	EUT Type: Tablet Device
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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	-0.90	1 / 49	24.34	23.44	0.221	33.01	-9.58
		2593.0	-0.90	1 / 1	23.91	23.01	0.200	33.01	-10.00
		2680.0	-0.90	1 / 25	24.42	23.52	0.225	33.01	-9.49
	QPSK	2506.0	-0.90	1 / 49	24.66	23.76	0.238	33.01	-9.25
		2593.0	-0.90	1 / 25	23.56	22.66	0.184	33.01	-10.35
		2680.0	-0.90	1 / 1	24.70	23.80	0.240	33.01	-9.21
	16-QAM	2680.0	-0.90	1 / 1	23.04	22.14	0.164	33.01	-10.87
	64-QAM	2593.0	-0.90	1 / 25	22.24	21.34	0.136	33.01	-11.67
256-QAM	2593.0	-0.90	1 / 1	20.36	19.46	0.088	33.01	-13.55	
30 MHz	π/2 BPSK	2511.0	-0.90	1 / 76	24.65	23.75	0.237	33.01	-9.26
		2593.0	-0.90	1 / 1	24.46	23.56	0.227	33.01	-9.45
		2675.0	-0.90	1 / 1	24.30	23.40	0.219	33.01	-9.61
	QPSK	2511.0	-0.90	1 / 76	24.70	23.80	0.240	33.01	-9.21
		2593.0	-0.90	1 / 1	23.91	23.01	0.200	33.01	-10.00
		2675.0	-0.90	1 / 1	24.33	23.43	0.220	33.01	-9.58
	16-QAM	2675.0	-0.90	1 / 1	23.10	22.20	0.166	33.01	-10.81
	64-QAM	2511.0	-0.90	1 / 76	22.06	21.16	0.130	33.01	-11.86
	256-QAM	2675.0	-0.90	1 / 1	20.14	19.24	0.084	33.01	-13.77
	40 MHz	π/2 BPSK	2516.0	-0.90	1 / 53	24.64	23.74	0.237	33.01
2593.0			-0.90	1 / 1	24.70	23.80	0.240	33.01	-9.21
2670.0			-0.90	1 / 53	24.64	23.74	0.237	33.01	-9.27
QPSK		2516.0	-0.90	1 / 53	24.41	23.51	0.224	33.01	-9.50
		2593.0	-0.90	1 / 1	23.80	22.90	0.195	33.01	-10.11
		2670.0	-0.90	1 / 1	24.47	23.57	0.227	33.01	-9.44
16-QAM		2516.0	-0.90	1 / 104	23.43	22.53	0.179	33.01	-10.48
64-QAM		2593.0	-0.90	1 / 1	22.21	21.31	0.135	33.01	-11.70
256-QAM		2593.0	-0.90	1 / 1	20.51	19.61	0.091	33.01	-13.40
50 MHz		π/2 BPSK	2521.0	-0.90	1 / 131	24.30	23.40	0.219	33.01
	2593.0		-0.90	1 / 1	24.26	23.36	0.217	33.01	-9.65
	2665.0		-0.90	1 / 1	24.16	23.26	0.212	33.01	-9.75
	QPSK	2521.0	-0.90	1 / 131	24.70	23.80	0.240	33.01	-9.21
		2593.0	-0.90	1 / 1	24.35	23.45	0.222	33.01	-9.56
		2665.0	-0.90	1 / 1	24.44	23.54	0.226	33.01	-9.47
	16-QAM	2665.0	-0.90	1 / 1	23.20	22.30	0.170	33.01	-10.71
	64-QAM	2665.0	-0.90	1 / 66	22.37	21.47	0.140	33.01	-11.54
	256-QAM	2593.0	-0.90	1 / 131	20.18	19.28	0.085	33.01	-13.73
	60 MHz	π/2 BPSK	2526.0	-0.90	1 / 160	24.28	23.38	0.218	33.01
2593.0			-0.90	1 / 1	24.02	23.12	0.205	33.01	-9.89
2660.0			-0.90	1 / 81	24.70	23.80	0.240	33.01	-9.21
QPSK		2526.0	-0.90	1 / 160	24.36	23.46	0.222	33.01	-9.55
		2593.0	-0.90	1 / 1	23.99	23.09	0.204	33.01	-9.92
		2660.0	-0.90	1 / 81	24.24	23.34	0.216	33.01	-9.67
16-QAM		2660.0	-0.90	1 / 81	22.98	22.08	0.161	33.01	-10.93
64-QAM		2593.0	-0.90	1 / 81	22.09	21.19	0.131	33.01	-11.82
256-QAM	2526.0	-0.90	1 / 160	19.93	19.03	0.080	33.01	-13.98	
80 MHz	π/2 BPSK	2536.0	-0.90	1 / 215	24.60	23.70	0.234	33.01	-9.31
		2593.0	-0.90	1 / 215	24.17	23.27	0.212	33.01	-9.74
		2650.0	-0.90	1 / 108	24.53	23.63	0.231	33.01	-9.38
	QPSK	2536.0	-0.90	1 / 215	24.13	23.23	0.210	33.01	-9.78
		2593.0	-0.90	1 / 215	23.54	22.64	0.184	33.01	-10.37
		2650.0	-0.90	1 / 108	24.70	23.80	0.240	33.01	-9.21
	16-QAM	2536.0	-0.90	1 / 108	23.25	22.35	0.172	33.01	-10.66
	64-QAM	2650.0	-0.90	1 / 108	22.11	21.21	0.132	33.01	-11.80
256-QAM	2593.0	-0.90	1 / 108	20.25	19.35	0.086	33.01	-13.66	
90 MHz	π/2 BPSK	2541.0	-0.90	1 / 122	23.94	23.04	0.201	33.01	-9.97
		2593.0	-0.90	1 / 243	24.70	23.80	0.240	33.01	-9.21
		2645.0	-0.90	1 / 122	24.49	23.59	0.229	33.01	-9.42
	QPSK	2541.0	-0.90	1 / 122	24.51	23.61	0.230	33.01	-9.40
		2593.0	-0.90	1 / 243	23.91	23.01	0.200	33.01	-10.00
		2645.0	-0.90	1 / 122	24.20	23.30	0.214	33.01	-9.71
	16-QAM	2645.0	-0.90	1 / 122	23.18	22.28	0.169	33.01	-10.73
	64-QAM	2645.0	-0.90	1 / 122	21.94	21.04	0.127	33.01	-11.97
256-QAM	2593.0	-0.90	1 / 122	20.24	19.34	0.086	33.01	-13.67	
100 MHz	π/2 BPSK	2546.0	-0.90	1 / 136	24.70	23.80	0.240	33.01	-9.21
		2593.0	-0.90	1 / 271	24.46	23.56	0.227	33.01	-9.45
		2640.0	-0.90	1 / 136	24.59	23.69	0.234	33.01	-9.32
	QPSK	2546.0	-0.90	1 / 136	24.44	23.54	0.226	33.01	-9.47
		2593.0	-0.90	1 / 271	24.31	23.41	0.219	33.01	-9.60
		2640.0	-0.90	1 / 136	24.62	23.72	0.236	33.01	-9.29
	16-QAM	2593.0	-0.90	1 / 271	23.15	22.25	0.168	33.01	-10.76
	64-QAM	2593.0	-0.90	1 / 271	22.27	21.37	0.137	33.01	-11.64
256-QAM	2593.0	-0.90	1 / 1	20.36	19.46	0.088	33.01	-13.55	

Table 7-20. Antenna 2b EIRP Data (NR Band n41)

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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	EUT Type: Tablet Device	

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	2506.0	-0.90	1 / 25	24.70	23.80	0.240	33.01	-9.21	
		2593.0	-0.90	1 / 25	24.38	23.48	0.223	33.01	-9.53	
		2680.0	-0.90	1 / 1	24.68	23.78	0.239	33.01	-9.23	
	QPSK	2506.0	-0.90	1 / 49	24.19	23.29	0.213	33.01	-9.72	
		2593.0	-0.90	1 / 25	24.37	23.47	0.222	33.01	-9.54	
		2680.0	-0.90	1 / 1	24.54	23.64	0.231	33.01	-9.37	
		16-QAM	2680.0	-0.90	1 / 1	23.46	22.56	0.180	33.01	-10.45
		64-QAM	2680.0	-0.90	1 / 1	22.51	21.61	0.145	33.01	-11.40
256-QAM	2593.0	-0.90	1 / 1	20.12	19.22	0.084	33.01	-13.79		
30 MHz	π/2 BPSK	2511.0	-0.90	1 / 76	24.56	23.66	0.232	33.01	-9.36	
		2593.0	-0.90	1 / 1	24.47	23.57	0.228	33.01	-9.44	
		2675.0	-0.90	1 / 39	24.70	23.80	0.240	33.01	-9.21	
	QPSK	2511.0	-0.90	1 / 76	24.63	23.73	0.236	33.01	-9.28	
		2593.0	-0.90	1 / 39	24.21	23.31	0.214	33.01	-9.70	
		2675.0	-0.90	1 / 1	24.68	23.78	0.239	33.01	-9.23	
		16-QAM	2593.0	-0.90	1 / 39	23.56	22.66	0.184	33.01	-10.35
		64-QAM	2511.0	-0.90	1 / 76	22.59	21.69	0.147	33.01	-11.32
256-QAM	2593.0	-0.90	1 / 1	20.31	19.41	0.087	33.01	-13.60		
40 MHz	π/2 BPSK	2516.0	-0.90	1 / 104	24.61	23.71	0.235	33.01	-9.30	
		2593.0	-0.90	1 / 53	24.54	23.64	0.231	33.01	-9.37	
		2670.0	-0.90	1 / 53	24.48	23.58	0.228	33.01	-9.43	
	QPSK	2516.0	-0.90	1 / 104	24.63	23.73	0.236	33.01	-9.28	
		2593.0	-0.90	1 / 1	24.39	23.49	0.223	33.01	-9.52	
		2670.0	-0.90	1 / 1	24.70	23.80	0.240	33.01	-9.21	
		16-QAM	2593.0	-0.90	1 / 53	23.71	22.81	0.191	33.01	-10.20
		64-QAM	2670.0	-0.90	1 / 1	22.59	21.69	0.148	33.01	-11.32
256-QAM	2593.0	-0.90	1 / 1	20.25	19.35	0.086	33.01	-13.66		
50 MHz	π/2 BPSK	2521.0	-0.90	1 / 66	24.40	23.50	0.224	33.01	-9.51	
		2593.0	-0.90	1 / 131	24.63	23.73	0.236	33.01	-9.28	
		2665.0	-0.90	1 / 1	24.52	23.62	0.230	33.01	-9.39	
	QPSK	2521.0	-0.90	1 / 66	24.47	23.57	0.228	33.01	-9.44	
		2593.0	-0.90	1 / 1	24.70	23.80	0.240	33.01	-9.21	
		2665.0	-0.90	1 / 1	24.52	23.62	0.230	33.01	-9.39	
		16-QAM	2521.0	-0.90	1 / 66	23.29	22.39	0.173	33.01	-10.62
		64-QAM	2593.0	-0.90	1 / 131	22.61	21.71	0.148	33.01	-11.30
256-QAM	2665.0	-0.90	1 / 1	20.06	19.16	0.082	33.01	-13.85		
60 MHz	π/2 BPSK	2526.0	-0.90	1 / 81	24.61	23.71	0.235	33.01	-9.30	
		2593.0	-0.90	1 / 81	24.55	23.65	0.232	33.01	-9.36	
		2660.0	-0.90	1 / 1	24.70	23.80	0.240	33.01	-9.21	
	QPSK	2526.0	-0.90	1 / 160	24.47	23.57	0.228	33.01	-9.44	
		2593.0	-0.90	1 / 1	24.11	23.21	0.210	33.01	-9.80	
		2660.0	-0.90	1 / 81	24.37	23.47	0.222	33.01	-9.54	
		16-QAM	2526.0	-0.90	1 / 160	23.31	22.41	0.174	33.01	-10.60
		64-QAM	2593.0	-0.90	1 / 160	22.44	21.54	0.143	33.01	-11.47
256-QAM	2660.0	-0.90	1 / 1	20.17	19.27	0.085	33.01	-13.74		
80 MHz	π/2 BPSK	2536.0	-0.90	1 / 215	24.60	23.70	0.234	33.01	-9.31	
		2593.0	-0.90	1 / 108	24.66	23.76	0.238	33.01	-9.25	
		2650.0	-0.90	1 / 108	24.70	23.80	0.240	33.01	-9.21	
	QPSK	2536.0	-0.90	1 / 215	24.54	23.64	0.231	33.01	-9.37	
		2593.0	-0.90	1 / 108	24.11	23.21	0.209	33.01	-9.80	
		2650.0	-0.90	1 / 108	24.67	23.77	0.238	33.01	-9.24	
		16-QAM	2536.0	-0.90	1 / 215	23.58	22.68	0.185	33.01	-10.33
		64-QAM	2536.0	-0.90	1 / 215	22.54	21.64	0.146	33.01	-11.37
256-QAM	2536.0	-0.90	1 / 215	20.24	19.34	0.086	33.01	-13.67		
90 MHz	π/2 BPSK	2541.0	-0.90	1 / 122	24.70	23.80	0.240	33.01	-9.21	
		2593.0	-0.90	1 / 243	24.46	23.56	0.227	33.01	-9.45	
		2645.0	-0.90	1 / 122	24.46	23.56	0.227	33.01	-9.45	
	QPSK	2541.0	-0.90	1 / 122	24.53	23.63	0.231	33.01	-9.38	
		2593.0	-0.90	1 / 122	24.05	23.15	0.207	33.01	-9.86	
		2645.0	-0.90	1 / 122	24.53	23.63	0.231	33.01	-9.38	
		16-QAM	2541.0	-0.90	1 / 122	23.46	22.56	0.180	33.01	-10.45
		64-QAM	2593.0	-0.90	1 / 122	22.56	21.66	0.146	33.01	-11.35
256-QAM	2593.0	-0.90	1 / 122	20.33	19.43	0.088	33.01	-13.58		
100 MHz	π/2 BPSK	2546.0	-0.90	1 / 271	24.70	23.80	0.240	33.01	-9.21	
		2593.0	-0.90	1 / 271	24.58	23.68	0.233	33.01	-9.33	
		2640.0	-0.90	1 / 271	24.34	23.44	0.221	33.01	-9.57	
	QPSK	2546.0	-0.90	1 / 136	24.11	23.21	0.210	33.01	-9.80	
		2593.0	-0.90	1 / 271	24.52	23.62	0.230	33.01	-9.39	
		2640.0	-0.90	1 / 1	24.22	23.32	0.215	33.01	-9.69	
		16-QAM	2640.0	-0.90	1 / 136	23.71	22.81	0.191	33.01	-10.20
		64-QAM	2640.0	-0.90	1 / 271	22.25	21.35	0.136	33.01	-11.66
256-QAM	2593.0	-0.90	1 / 271	20.04	19.14	0.082	33.01	-13.88		

Table 7-21. Antenna 2b EIRP Data (NR Band n41)

FCC ID: BCGA2757	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	23.86	-0.90	22.76	0.189	33.01	-10.25
				21100	2535.0	1	99		21298	2554.8	1	0	23.58	-0.90	22.68	0.185	33.01	-10.33
				21350	2560.0	1	0		21152	2540.2	1	99	23.83	-0.90	22.73	0.187	33.01	-10.28
			QPSK	20850	2510	100	0	QPSK	21048	2529.8	100	0	21.86	-0.90	20.96	0.125	33.01	-12.05
				16-QAM	20850	2510	100	0	16-QAM	21048	2529.8	100	0	20.85	-0.90	19.55	0.099	33.01
			64-QAM	20850	2510	100	0	64-QAM	21048	2529.8	100	0	20.89	-0.90	19.99	0.100	33.01	-13.02
				256-QAM	20850	2510	100	0	256-QAM	21048	2529.8	100	0	18.88	-0.90	17.88	0.063	33.01

Table 7-22. Antenna 2b EIRP Data (ULCA LTE Band 7)

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090023-04-R2.BCG	Test Dates: 7/3/2022 - 9/15/2022	EUT Type: Tablet Device
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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	2500.0	1	99	QPSK	39948	2525.8	1	0	25.9	-0.90	25.00	0.316	33.01	-8.01
				40620	2593.0	1	99		40818	2612.8	1	0	25.99	-0.90	25.99	0.323	33.01	-7.92
				41490	2680.0	1	0		41292	2660.2	1	99	25.78	-0.90	24.88	0.308	33.01	-8.13
			QPSK	40620	2593	100	0	QPSK	40818	2612.8	100	0	24.00	-0.90	23.10	0.204	33.01	-9.91
				16-QAM	40620	2593	100		0	16-QAM	40818	2612.8	100	0	23.17	-0.90	22.27	0.169
			64-QAM	40620	2593	100	0	64-QAM	40818	2612.8	100	0	23.10	-0.90	22.20	0.166	33.01	-10.81
				256-QAM	40620	2593	100		0	256-QAM	40818	2612.8	100	0	21.06	-0.90	20.16	0.104

Table 7-23. Antenna 2b EIRP Data (ULCA LTE Band 41 (PC2))

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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ULCA - Band 41 (PC3)

Power State	Band	Bandwidth (PCC + SCC)	PCC				SCC				ULCA Tx. Power [dBm]	Ant. Gain [dB]	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	2500.0	1	99	QPSK	39948	2525.8	1	0	25.82	-0.90	24.72	0.296	33.01	-8.29
				40620	2593.0	1	99		40818	2612.8	1	0	25.85	-0.90	24.75	0.299	33.01	-8.26
				41490	2680.0	1	0		41292	2660.2	1	99	25.51	-0.90	24.61	0.289	33.01	-8.40
			QPSK	39790	2510	100	0	QPSK	39988	2529.8	100	0	23.78	-0.90	22.88	0.194	33.01	-10.13
				16-QAM	39790	2510	100		0	16-QAM	39988	2529.8	100	0	22.78	-0.90	21.88	0.154
			64-QAM	39790	2510	100	0	64-QAM	39988	2529.8	100	0	22.90	-0.90	22.00	0.158	33.01	-11.01
				256-QAM	39790	2510	100		0	256-QAM	39988	2529.8	100	0	20.78	-0.90	19.88	0.097

Table 7-24. Antenna 2b EIRP Data (ULCA LTE Band 41 (PC3))

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.6.3 Antenna 3a – 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	0.80	1 / 24	22.03	22.83	0.192	23.98	-1.15
		2310.0	0.80	1 / 12	22.12	22.92	0.196	23.98	-1.06
		2312.5	0.80	1 / 12	21.93	22.73	0.187	23.98	-1.25
	16-QAM	2310.0	0.80	1 / 24	21.32	22.12	0.163	23.98	-1.86
	64-QAM	2307.5	0.80	1 / 12	20.46	21.26	0.134	23.98	-2.72
	256-QAM	2312.5	0.80	1 / 12	17.48	18.28	0.067	23.98	-5.70
10 MHz	QPSK	2310.0	0.80	1 / 25	22.14	22.94	0.197	23.98	-1.04
	16-QAM	2310.0	0.80	1 / 0	21.52	22.32	0.171	23.98	-1.66
	64-QAM	2310.0	0.80	1 / 25	20.85	21.65	0.146	23.98	-2.33
	256-QAM	2310.0	0.80	1 / 0	17.75	18.55	0.072	23.98	-5.43

Table 7-25. Antenna 3a EIRP Data (LTE Band 30)


FCC ID: BCGA2757	 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	3.00	1 / 24	24.49	27.49	0.561	33.01	-5.52
		2535.0	3.00	1 / 0	24.52	27.52	0.565	33.01	-5.49
		2567.5	3.00	1 / 24	24.40	27.40	0.550	33.01	-5.61
	16-QAM	2535.0	3.00	1 / 12	23.75	26.75	0.473	33.01	-6.26
	64-QAM	2502.5	3.00	1 / 0	22.80	25.80	0.380	33.01	-7.21
256-QAM	2567.5	3.00	1 / 0	19.91	22.91	0.195	33.01	-10.10	
10 MHz	QPSK	2505.0	3.00	1 / 49	24.49	27.49	0.561	33.01	-5.52
		2535.0	3.00	1 / 49	24.45	27.45	0.556	33.01	-5.56
		2565.0	3.00	1 / 49	24.49	27.49	0.561	33.01	-5.52
	16-QAM	2565.0	3.00	1 / 25	23.92	26.92	0.492	33.01	-6.09
	64-QAM	2565.0	3.00	1 / 25	23.16	26.16	0.413	33.01	-6.85
256-QAM	2565.0	3.00	1 / 25	20.20	23.20	0.209	33.01	-9.81	
15 MHz	QPSK	2507.5	3.00	1 / 0	24.67	27.67	0.585	33.01	-5.34
		2535.0	3.00	1 / 74	24.54	27.54	0.568	33.01	-5.47
		2562.5	3.00	1 / 0	24.56	27.56	0.570	33.01	-5.45
	16-QAM	2562.5	3.00	1 / 0	23.83	26.83	0.482	33.01	-6.18
	64-QAM	2562.5	3.00	1 / 0	23.27	26.27	0.424	33.01	-6.74
256-QAM	2562.5	3.00	1 / 0	20.16	23.16	0.207	33.01	-9.85	
20 MHz	QPSK	2510.0	3.00	1 / 0	24.65	27.65	0.582	33.01	-5.36
		2535.0	3.00	1 / 0	24.32	27.32	0.540	33.01	-5.69
		2560.0	3.00	1 / 0	24.63	27.63	0.579	33.01	-5.38
	16-QAM	2560.0	3.00	1 / 0	23.88	26.88	0.488	33.01	-6.13
	64-QAM	2535.0	3.00	1 / 0	23.29	26.29	0.426	33.01	-6.72
256-QAM	2535.0	3.00	1 / 99	20.00	23.00	0.200	33.01	-10.01	


Table 7-26. Antenna 3a EIRP Data (LTE Band 7)

FCC ID: BCGA2757	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 41 (PC2)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dB]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2498.5	2.80	1 / 0	26.00	28.80	0.759	33.01	-4.21
		2593.0	2.80	1 / 24	25.64	28.44	0.698	33.01	-4.57
		2687.5	2.80	1 / 0	25.78	28.58	0.721	33.01	-4.43
	16-QAM	2498.5	2.80	1 / 24	25.16	27.96	0.625	33.01	-5.05
	64-QAM	2498.5	2.80	1 / 24	24.82	27.62	0.578	33.01	-5.39
256-QAM	2498.5	2.80	1 / 24	21.60	24.40	0.275	33.01	-8.61	
10 MHz	QPSK	2501.0	2.80	1 / 49	26.03	28.83	0.764	33.01	-4.18
		2593.0	2.80	1 / 25	25.78	28.58	0.721	33.01	-4.43
		2685.0	2.80	1 / 25	25.90	28.70	0.741	33.01	-4.31
	16-QAM	2501.0	2.80	1 / 49	25.47	28.27	0.671	33.01	-4.74
	64-QAM	2501.0	2.80	1 / 0	24.36	27.16	0.520	33.01	-5.85
256-QAM	2501.0	2.80	1 / 49	21.50	24.30	0.269	33.01	-8.71	
15 MHz	QPSK	2503.5	2.80	1 / 74	26.13	28.93	0.782	33.01	-4.08
		2593.0	2.80	1 / 74	25.84	28.64	0.731	33.01	-4.37
		2682.5	2.80	1 / 74	25.77	28.57	0.719	33.01	-4.44
	16-QAM	2503.5	2.80	1 / 74	25.26	28.06	0.640	33.01	-4.95
	64-QAM	2682.5	2.80	1 / 74	24.22	27.02	0.504	33.01	-5.99
256-QAM	2503.5	2.80	1 / 74	21.53	24.33	0.271	33.01	-8.68	
20 MHz	QPSK	2506.0	2.80	1 / 99	25.93	28.73	0.746	33.01	-4.28
		2593.0	2.80	1 / 50	25.58	28.38	0.689	33.01	-4.63
		2680.0	2.80	1 / 50	25.76	28.56	0.718	33.01	-4.45
	16-QAM	2680.0	2.80	1 / 50	25.37	28.17	0.656	33.01	-4.84
	64-QAM	2506.0	2.80	1 / 0	24.75	27.55	0.569	33.01	-5.46
256-QAM	2680.0	2.80	1 / 99	21.79	24.59	0.288	33.01	-8.42	


Table 7-27. Antenna 3a EIRP Data (LTE Band 41(PC2))

FCC ID: BCGA2757	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-04-R2.BCG	Test Dates: 7/3/2022 - 9/15/2022	EUT Type: Tablet Device	Page 203 of 284

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	2.80	1 / 0	25.55	28.35	0.684	33.01	-4.66
		2593.0	2.80	1 / 24	25.32	28.12	0.649	33.01	-4.89
		2687.5	2.80	1 / 0	25.31	28.11	0.647	33.01	-4.90
	16-QAM	2498.5	2.80	1 / 24	24.50	27.30	0.537	33.01	-5.71
	64-QAM	2498.5	2.80	1 / 24	23.80	26.60	0.457	33.01	-6.41
256-QAM	2498.5	2.80	1 / 24	20.66	23.46	0.222	33.01	-9.55	
10 MHz	QPSK	2501.0	2.80	1 / 49	25.70	28.50	0.708	33.01	-4.51
		2593.0	2.80	1 / 49	25.35	28.15	0.653	33.01	-4.86
		2685.0	2.80	1 / 0	25.33	28.13	0.650	33.01	-4.88
	16-QAM	2685.0	2.80	1 / 49	24.58	27.38	0.547	33.01	-5.63
	64-QAM	2501.0	2.80	1 / 49	23.59	26.39	0.436	33.01	-6.62
256-QAM	2501.0	2.80	1 / 49	20.67	23.47	0.222	33.01	-9.54	
15 MHz	QPSK	2503.5	2.80	1 / 74	25.48	28.28	0.673	33.01	-4.73
		2593.0	2.80	1 / 0	25.17	27.97	0.627	33.01	-5.04
		2682.5	2.80	1 / 74	25.29	28.09	0.644	33.01	-4.92
	16-QAM	2682.5	2.80	1 / 74	24.47	27.27	0.533	33.01	-5.74
	64-QAM	2682.5	2.80	1 / 74	23.30	26.10	0.407	33.01	-6.91
256-QAM	2503.5	2.80	1 / 74	20.69	23.49	0.223	33.01	-9.52	
20 MHz	QPSK	2506.0	2.80	1 / 99	25.55	28.35	0.684	33.01	-4.66
		2593.0	2.80	1 / 99	25.20	28.00	0.631	33.01	-5.01
		2680.0	2.80	1 / 50	25.29	28.09	0.644	33.01	-4.92
	16-QAM	2506.0	2.80	1 / 99	24.72	27.52	0.565	33.01	-5.49
	64-QAM	2506.0	2.80	1 / 99	23.62	26.42	0.439	33.01	-6.59
256-QAM	2506.0	2.80	1 / 99	21.26	24.06	0.255	33.01	-8.95	


Table 7-28. Antenna 3a EIRP Data (LTE Band 41(PC3))

FCC ID: BCGA2757	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-04-R2.BCG	Test Dates: 7/3/2022 - 9/15/2022	EUT Type: Tablet Device	Page 204 of 284

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	π/2 BPSK	2307.5	0.80	1 / 12	19.94	20.74	0.118	23.98	-3.24
		2310.0	0.80	1 / 1	20.06	20.86	0.122	23.98	-3.12
		2312.5	0.80	1 / 1	20.15	20.95	0.124	23.98	-3.03
	QPSK	2307.5	0.80	1 / 12	20.13	20.93	0.124	23.98	-3.05
		2310.0	0.80	1 / 12	20.02	20.82	0.121	23.98	-3.16
		2312.5	0.80	1 / 23	20.16	20.96	0.125	23.98	-3.02
	16-QAM	2310.0	0.80	1 / 23	19.06	19.86	0.097	23.98	-4.12
64-QAM	2310.0	0.80	1 / 12	17.61	18.41	0.069	23.98	-5.57	
256-QAM	2312.5	0.80	1 / 12	15.50	16.30	0.043	23.98	-7.68	
10 MHz	π/2 BPSK	2310.0	0.80	1 / 25	20.03	20.83	0.121	23.98	-3.15
	QPSK	2310.0	0.80	1 / 25	20.18	20.98	0.125	23.98	-3.00
	16-QAM	2310.0	0.80	1 / 50	19.35	20.15	0.104	23.98	-3.83
	64-QAM	2310.0	0.80	1 / 50	17.64	18.44	0.070	23.98	-5.54
	256-QAM	2310.0	0.80	1 / 25	15.60	16.40	0.044	23.98	-7.58

Table 7-29. Antenna 3a EIRP Data (NR Band n30)

FCC ID: BCGA2757	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-04-R2.BCG	Test Dates: 7/3/2022 - 9/15/2022	EUT Type: Tablet Device	Page 205 of 284

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	π/2 BPSK	2502.5	3.00	1 / 23	24.39	27.39	0.548	33.01	-5.62
		2535.0	3.00	1 / 1	24.55	27.55	0.569	33.01	-5.46
		2567.5	3.00	1 / 12	24.62	27.62	0.578	33.01	-5.39
	QPSK	2502.5	3.00	1 / 23	24.38	27.38	0.548	33.01	-5.63
		2535.0	3.00	1 / 12	24.54	27.54	0.567	33.01	-5.47
		2567.5	3.00	1 / 12	24.54	27.54	0.567	33.01	-5.47
		16-QAM	2535.0	3.00	1 / 12	23.68	26.68	0.466	33.01
64-QAM	2567.5	3.00	1 / 1	22.07	25.07	0.321	33.01	-7.94	
256-QAM	2535.0	3.00	1 / 23	20.27	23.27	0.212	33.01	-9.74	
10 MHz	π/2 BPSK	2505.0	3.00	1 / 50	24.22	27.22	0.528	33.01	-5.79
		2535.0	3.00	1 / 50	24.56	27.56	0.570	33.01	-5.45
		2565.0	3.00	1 / 1	24.67	27.67	0.585	33.01	-5.34
	QPSK	2505.0	3.00	1 / 50	24.50	27.50	0.562	33.01	-5.51
		2535.0	3.00	1 / 1	24.60	27.60	0.575	33.01	-5.41
	16-QAM	2565.0	3.00	1 / 1	24.34	27.34	0.542	33.01	-5.67
	256-QAM	2505.0	3.00	1 / 25	23.74	26.74	0.473	33.01	-6.27
64-QAM	2535.0	3.00	1 / 50	21.89	24.89	0.308	33.01	-8.12	
256-QAM	2565.0	3.00	1 / 1	20.44	23.44	0.221	33.01	-9.57	
15 MHz	π/2 BPSK	2507.5	3.00	1 / 73	24.60	27.60	0.575	33.01	-5.41
		2535.0	3.00	1 / 73	24.70	27.70	0.589	33.01	-5.31
		2562.5	3.00	1 / 1	24.41	27.41	0.551	33.01	-5.60
	QPSK	2507.5	3.00	1 / 73	24.59	27.59	0.574	33.01	-5.42
		2535.0	3.00	1 / 37	24.67	27.67	0.585	33.01	-5.34
	16-QAM	2562.5	3.00	1 / 73	24.62	27.62	0.579	33.01	-5.39
	64-QAM	2535.0	3.00	1 / 1	23.76	26.76	0.475	33.01	-6.25
256-QAM	2562.5	3.00	1 / 73	22.09	25.09	0.323	33.01	-7.92	
256-QAM	2562.5	3.00	1 / 1	20.21	23.21	0.210	33.01	-9.80	
20 MHz	π/2 BPSK	2510.0	3.00	1 / 98	24.70	27.70	0.589	33.01	-5.31
		2535.0	3.00	1 / 50	24.48	27.48	0.560	33.01	-5.53
		2560.0	3.00	1 / 98	24.37	27.37	0.545	33.01	-5.64
	QPSK	2510.0	3.00	1 / 98	24.26	27.26	0.532	33.01	-5.75
		2535.0	3.00	1 / 1	24.54	27.54	0.568	33.01	-5.47
	16-QAM	2560.0	3.00	1 / 50	24.64	27.64	0.581	33.01	-5.37
	64-QAM	2510.0	3.00	1 / 50	23.63	26.63	0.460	33.01	-6.38
256-QAM	2560.0	3.00	1 / 1	22.09	25.09	0.323	33.01	-7.92	
256-QAM	2560.0	3.00	1 / 1	20.39	23.39	0.218	33.01	-9.62	
25 MHz	π/2 BPSK	2512.5	3.00	1 / 131	24.51	27.51	0.564	33.01	-5.50
		2535.0	3.00	1 / 131	24.65	27.65	0.582	33.01	-5.36
		2557.5	3.00	1 / 131	24.67	27.67	0.585	33.01	-5.34
	QPSK	2512.5	3.00	1 / 131	24.53	27.53	0.566	33.01	-5.48
		2535.0	3.00	1 / 131	24.62	27.62	0.578	33.01	-5.39
	16-QAM	2557.5	3.00	1 / 131	24.70	27.70	0.589	33.01	-5.31
	64-QAM	2557.5	3.00	1 / 66	23.78	26.78	0.477	33.01	-6.23
256-QAM	2512.5	3.00	1 / 131	22.11	25.11	0.324	33.01	-7.90	
256-QAM	2535.0	3.00	1 / 1	20.41	23.41	0.219	33.01	-9.61	
30 MHz	π/2 BPSK	2515.0	3.00	1 / 1	24.18	27.18	0.523	33.01	-5.83
		2535.0	3.00	1 / 158	24.15	27.15	0.519	33.01	-5.86
		2555.0	3.00	1 / 80	24.03	27.03	0.505	33.01	-5.98
	QPSK	2515.0	3.00	1 / 158	24.01	27.01	0.502	33.01	-6.00
		2535.0	3.00	1 / 80	24.20	27.20	0.525	33.01	-5.81
	16-QAM	2555.0	3.00	1 / 1	24.11	27.11	0.514	33.01	-5.90
	64-QAM	2515.0	3.00	1 / 158	23.55	26.55	0.452	33.01	-6.46
256-QAM	2555.0	3.00	1 / 1	22.05	25.05	0.320	33.01	-7.96	
256-QAM	2515.0	3.00	1 / 1	20.19	23.19	0.208	33.01	-9.82	
40 MHz	π/2 BPSK	2520.0	3.00	1 / 108	24.43	27.43	0.553	33.01	-5.58
		2535.0	3.00	1 / 214	24.67	27.67	0.584	33.01	-5.34
		2550.0	3.00	1 / 108	24.70	27.70	0.589	33.01	-5.31
	QPSK	2520.0	3.00	1 / 214	24.59	27.59	0.574	33.01	-5.42
		2535.0	3.00	1 / 1	24.53	27.53	0.567	33.01	-5.48
	16-QAM	2550.0	3.00	1 / 214	24.67	27.67	0.585	33.01	-5.34
	64-QAM	2535.0	3.00	1 / 214	24.11	27.11	0.514	33.01	-5.90
256-QAM	2550.0	3.00	1 / 1	22.35	25.35	0.343	33.01	-7.66	
256-QAM	2550.0	3.00	1 / 214	20.56	23.56	0.227	33.01	-9.45	

Table 7-30. Antenna 3a EIRP Data (NR Band n7)

FCC ID: BCGA2757	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	2.80	1 / 1	26.04	28.84	0.766	33.01	-4.17	
		2593.0	2.80	1 / 1	25.73	28.53	0.713	33.01	-4.48	
		2680.0	2.80	1 / 1	26.09	28.89	0.774	33.01	-4.12	
	QPSK	2506.0	2.80	1 / 49	25.88	28.68	0.738	33.01	-4.33	
		2593.0	2.80	1 / 1	26.05	28.85	0.767	33.01	-4.16	
		2680.0	2.80	1 / 1	26.20	29.00	0.794	33.01	-4.01	
	16-QAM	2593.0	2.80	1 / 49	25.61	28.41	0.693	33.01	-4.60	
		2593.0	2.80	1 / 49	24.38	27.18	0.522	33.01	-5.83	
		256-QAM	2593.0	2.80	1 / 49	22.99	25.79	0.380	33.01	-7.22
30 MHz	π/2 BPSK	2511.0	2.80	1 / 76	25.84	28.64	0.731	33.01	-4.37	
		2593.0	2.80	1 / 1	26.20	29.00	0.794	33.01	-4.01	
		2675.0	2.80	1 / 39	26.08	28.88	0.772	33.01	-4.13	
	QPSK	2511.0	2.80	1 / 76	26.09	28.89	0.775	33.01	-4.12	
		2593.0	2.80	1 / 76	25.95	28.75	0.750	33.01	-4.26	
		2675.0	2.80	1 / 1	26.18	28.98	0.791	33.01	-4.03	
	16-QAM	2593.0	2.80	1 / 76	25.39	28.19	0.659	33.01	-4.82	
		64-QAM	2593.0	2.80	75 / 0	24.70	27.50	0.562	33.01	-5.51
		256-QAM	2593.0	2.80	1 / 76	22.98	25.78	0.379	33.01	-7.23
40 MHz	π/2 BPSK	2516.0	2.80	1 / 104	25.90	28.70	0.741	33.01	-4.31	
		2593.0	2.80	1 / 53	25.84	28.64	0.731	33.01	-4.37	
		2670.0	2.80	1 / 1	26.20	29.00	0.794	33.01	-4.01	
	QPSK	2516.0	2.80	1 / 104	25.92	28.72	0.745	33.01	-4.29	
		2593.0	2.80	1 / 104	26.01	28.81	0.761	33.01	-4.20	
		2670.0	2.80	1 / 1	26.16	28.96	0.787	33.01	-4.05	
	16-QAM	2593.0	2.80	1 / 104	25.41	28.21	0.662	33.01	-4.80	
		64-QAM	2593.0	2.80	1 / 104	23.74	26.54	0.451	33.01	-6.47
		256-QAM	2670.0	2.80	1 / 104	22.73	25.53	0.357	33.01	-7.48
50 MHz	π/2 BPSK	2521.0	2.80	1 / 131	26.13	28.93	0.782	33.01	-4.08	
		2593.0	2.80	1 / 1	25.81	28.61	0.726	33.01	-4.40	
		2665.0	2.80	1 / 1	26.20	29.00	0.794	33.01	-4.01	
	QPSK	2521.0	2.80	1 / 66	26.11	28.91	0.778	33.01	-4.10	
		2593.0	2.80	1 / 1	26.03	28.83	0.764	33.01	-4.18	
		2665.0	2.80	1 / 131	26.20	29.00	0.794	33.01	-4.01	
	16-QAM	2521.0	2.80	1 / 1	24.96	27.76	0.597	33.01	-5.25	
		64-QAM	2665.0	2.80	1 / 131	24.41	27.21	0.526	33.01	-5.80
		256-QAM	2665.0	2.80	1 / 131	22.65	25.45	0.351	33.01	-7.56
60 MHz	π/2 BPSK	2526.0	2.80	1 / 160	25.81	28.61	0.727	33.01	-4.40	
		2593.0	2.80	1 / 1	26.13	28.93	0.781	33.01	-4.09	
		2660.0	2.80	1 / 1	26.20	29.00	0.794	33.01	-4.01	
	QPSK	2526.0	2.80	1 / 160	26.18	28.98	0.790	33.01	-4.03	
		2593.0	2.80	1 / 1	26.05	28.85	0.768	33.01	-4.16	
		2660.0	2.80	1 / 81	26.01	28.81	0.761	33.01	-4.20	
	16-QAM	2526.0	2.80	1 / 81	25.11	27.91	0.618	33.01	-5.10	
		64-QAM	2660.0	2.80	1 / 1	23.44	26.24	0.420	33.01	-6.77
		256-QAM	2593.0	2.80	1 / 1	21.70	24.50	0.282	33.01	-8.51
80 MHz	π/2 BPSK	2536.0	2.80	1 / 108	26.20	29.00	0.794	33.01	-4.01	
		2593.0	2.80	1 / 215	25.90	28.70	0.741	33.01	-4.31	
		2650.0	2.80	1 / 108	25.81	28.61	0.727	33.01	-4.40	
	QPSK	2536.0	2.80	1 / 108	25.78	28.58	0.721	33.01	-4.43	
		2593.0	2.80	1 / 215	25.13	27.93	0.621	33.01	-5.08	
		2650.0	2.80	1 / 108	26.02	28.82	0.761	33.01	-4.19	
	16-QAM	2650.0	2.80	1 / 1	25.07	27.87	0.612	33.01	-5.14	
		64-QAM	2650.0	2.80	1 / 215	24.13	26.93	0.493	33.01	-6.08
		256-QAM	2650.0	2.80	1 / 1	22.70	25.50	0.355	33.01	-7.51
90 MHz	π/2 BPSK	2541.0	2.80	1 / 122	25.90	28.70	0.740	33.01	-4.32	
		2593.0	2.80	1 / 243	25.98	28.78	0.755	33.01	-4.23	
		2645.0	2.80	1 / 122	26.20	29.00	0.794	33.01	-4.01	
	QPSK	2541.0	2.80	1 / 122	26.18	28.98	0.791	33.01	-4.03	
		2593.0	2.80	1 / 243	25.52	28.32	0.679	33.01	-4.69	
		2645.0	2.80	1 / 122	25.96	28.76	0.752	33.01	-4.25	
	16-QAM	2541.0	2.80	1 / 122	24.94	27.74	0.594	33.01	-5.27	
		64-QAM	2645.0	2.80	1 / 243	24.03	26.83	0.482	33.01	-6.18
		256-QAM	2645.0	2.80	1 / 1	22.76	25.56	0.360	33.01	-7.45
100 MHz	π/2 BPSK	2546.0	2.80	1 / 136	26.16	28.96	0.786	33.01	-4.05	
		2593.0	2.80	1 / 271	26.15	28.95	0.785	33.01	-4.06	
		2640.0	2.80	1 / 136	26.19	28.99	0.792	33.01	-4.03	
	QPSK	2546.0	2.80	1 / 136	26.20	29.00	0.794	33.01	-4.01	
		2593.0	2.80	1 / 271	26.05	28.85	0.767	33.01	-4.16	
		2640.0	2.80	1 / 136	26.09	28.89	0.774	33.01	-4.12	
	16-QAM	2640.0	2.80	1 / 136	25.13	27.93	0.621	33.01	-5.08	
		64-QAM	2640.0	2.80	1 / 1	25.02	27.82	0.605	33.01	-5.19
		256-QAM	2546.0	2.80	1 / 271	23.42	26.22	0.419	33.01	-6.79

Table 7-31. Antenna 3a EIRP Data (NR Band n41)

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n41 (PC3)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dB]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	π/2 BPSK	2506.0	2.80	1 / 25	25.48	28.28	0.673	33.01	-4.73
		2593.0	2.80	1 / 49	25.65	28.45	0.701	33.01	-4.56
		2680.0	2.80	1 / 49	25.64	28.44	0.698	33.01	-4.57
	QPSK	2506.0	2.80	1 / 49	25.59	28.39	0.690	33.01	-4.62
		2593.0	2.80	1 / 49	25.65	28.45	0.699	33.01	-4.56
		2680.0	2.80	1 / 1	25.54	28.34	0.682	33.01	-4.67
		2506.0	2.80	1 / 25	24.82	27.62	0.578	33.01	-5.39
	64-QAM	2506.0	2.80	1 / 25	23.51	26.31	0.427	33.01	-6.70
256-QAM	2506.0	2.80	1 / 49	21.36	24.16	0.260	33.01	-8.85	
30 MHz	π/2 BPSK	2511.0	2.80	1 / 76	25.65	28.45	0.699	33.01	-4.56
		2593.0	2.80	1 / 39	25.64	28.44	0.697	33.01	-4.58
		2675.0	2.80	1 / 76	25.69	28.49	0.706	33.01	-4.52
	QPSK	2511.0	2.80	1 / 76	25.70	28.50	0.708	33.01	-4.51
		2593.0	2.80	1 / 76	25.66	28.46	0.702	33.01	-4.55
		2675.0	2.80	1 / 1	25.54	28.34	0.683	33.01	-4.67
		2593.0	2.80	1 / 76	24.81	27.61	0.577	33.01	-5.40
	16-QAM	2675.0	2.80	1 / 1	23.74	26.54	0.451	33.01	-6.47
	256-QAM	2675.0	2.80	1 / 1	21.30	24.10	0.257	33.01	-8.91
	40 MHz	π/2 BPSK	2516.0	2.80	1 / 104	25.40	28.20	0.661	33.01
2593.0			2.80	1 / 1	25.63	28.43	0.697	33.01	-4.58
2670.0			2.80	1 / 104	25.60	28.40	0.692	33.01	-4.61
QPSK		2516.0	2.80	1 / 53	25.58	28.38	0.689	33.01	-4.63
		2593.0	2.80	1 / 1	25.70	28.50	0.708	33.01	-4.51
		2670.0	2.80	1 / 1	25.70	28.50	0.708	33.01	-4.51
16-QAM		2670.0	2.80	1 / 1	25.24	28.04	0.637	33.01	-4.97
64-QAM		2516.0	2.80	1 / 104	23.59	26.39	0.435	33.01	-6.62
256-QAM		2670.0	2.80	1 / 104	21.40	24.20	0.263	33.01	-8.81
50 MHz	π/2 BPSK	2521.0	2.80	1 / 66	25.53	28.33	0.681	33.01	-4.68
		2593.0	2.80	1 / 131	25.63	28.43	0.696	33.01	-4.58
		2665.0	2.80	1 / 131	25.42	28.22	0.663	33.01	-4.79
	QPSK	2521.0	2.80	1 / 131	25.66	28.46	0.701	33.01	-4.55
		2593.0	2.80	1 / 131	25.70	28.50	0.708	33.01	-4.51
		2665.0	2.80	1 / 131	25.56	28.36	0.686	33.01	-4.65
		16-QAM	2665.0	2.80	1 / 66	24.81	27.61	0.577	33.01
	64-QAM	2593.0	2.80	1 / 1	23.57	26.37	0.433	33.01	-6.64
256-QAM	2665.0	2.80	1 / 66	21.52	24.32	0.270	33.01	-8.69	
60 MHz	π/2 BPSK	2526.0	2.80	1 / 160	25.49	28.29	0.674	33.01	-4.72
		2593.0	2.80	1 / 160	25.70	28.50	0.708	33.01	-4.51
		2660.0	2.80	1 / 1	25.49	28.29	0.674	33.01	-4.72
	QPSK	2526.0	2.80	1 / 81	25.68	28.48	0.705	33.01	-4.53
		2593.0	2.80	1 / 1	25.58	28.38	0.688	33.01	-4.63
		2660.0	2.80	1 / 160	25.63	28.43	0.697	33.01	-4.58
		16-QAM	2526.0	2.80	1 / 160	24.78	27.58	0.573	33.01
64-QAM	2526.0	2.80	1 / 160	23.38	26.18	0.415	33.01	-6.83	
256-QAM	2526.0	2.80	1 / 160	21.55	24.35	0.272	33.01	-8.66	
80 MHz	π/2 BPSK	2536.0	2.80	1 / 108	25.43	28.23	0.665	33.01	-4.78
		2593.0	2.80	1 / 215	25.63	28.43	0.696	33.01	-4.58
		2650.0	2.80	1 / 215	25.70	28.50	0.708	33.01	-4.51
	QPSK	2536.0	2.80	1 / 108	25.56	28.36	0.686	33.01	-4.65
		2593.0	2.80	1 / 108	25.56	28.36	0.686	33.01	-4.65
		2650.0	2.80	1 / 1	25.65	28.45	0.699	33.01	-4.56
		16-QAM	2536.0	2.80	1 / 215	24.95	27.75	0.595	33.01
	64-QAM	2536.0	2.80	1 / 215	23.69	26.49	0.445	33.01	-6.52
	256-QAM	2650.0	2.80	1 / 1	21.13	23.93	0.247	33.01	-9.08
90 MHz	π/2 BPSK	2541.0	2.80	1 / 122	25.64	28.44	0.698	33.01	-4.57
		2593.0	2.80	1 / 122	25.43	28.23	0.666	33.01	-4.78
		2645.0	2.80	1 / 243	25.70	28.50	0.708	33.01	-4.51
	QPSK	2541.0	2.80	1 / 243	25.57	28.37	0.687	33.01	-4.64
		2593.0	2.80	1 / 122	25.56	28.36	0.686	33.01	-4.65
		2645.0	2.80	1 / 1	25.64	28.44	0.699	33.01	-4.57
		16-QAM	2645.0	2.80	1 / 243	24.81	27.61	0.576	33.01
64-QAM	2541.0	2.80	1 / 122	23.54	26.34	0.430	33.01	-6.67	
256-QAM	2541.0	2.80	1 / 243	21.31	24.11	0.257	33.01	-8.90	
100 MHz	π/2 BPSK	2546.0	2.80	1 / 271	25.59	28.39	0.690	33.01	-4.62
		2593.0	2.80	1 / 271	25.70	28.50	0.708	33.01	-4.51
		2640.0	2.80	1 / 136	25.58	28.38	0.688	33.01	-4.63
	QPSK	2546.0	2.80	1 / 271	25.59	28.39	0.690	33.01	-4.62
		2593.0	2.80	1 / 136	25.45	28.25	0.668	33.01	-4.76
		2640.0	2.80	1 / 136	25.66	28.46	0.702	33.01	-4.55
		16-QAM	2546.0	2.80	1 / 271	25.11	27.91	0.618	33.01
64-QAM	2546.0	2.80	1 / 271	23.57	26.37	0.434	33.01	-6.64	
256-QAM	2546.0	2.80	1 / 271	21.47	24.27	0.267	33.01	-8.74	

Table 7-32. Antenna 3a EIRP Data (NR Band n41)

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-04-R2.BCG	Test Dates: 7/3/2022 - 9/15/2022	EUT Type: Tablet Device	Page 208 of 284



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	24.36	3.00	27.36	0.545	33.01	-5.65
				21100	2535.0	1	99		21298	2554.8	1	0	24.33	3.00	27.33	0.541	33.01	-5.68
				21350	2560.0	1	0		21152	2540.2	1	99	24.35	3.00	27.35	0.543	33.01	-5.66
			QPSK	20850	2510	100	0	QPSK	21048	2529.8	100	0	22.52	3.00	25.52	0.356	33.01	-7.49
				16-QAM	20850	2510	100	0	16-QAM	21048	2529.8	100	0	21.46	3.00	24.46	0.279	33.01
			64-QAM	20850	2510	100	0	64-QAM	21048	2529.8	100	0	21.4	3.00	24.40	0.275	33.01	-8.61
			256-QAM	20850	2510	100	0	256-QAM	21048	2529.8	100	0	19.51	3.00	22.51	0.178	33.01	-10.50

Table 7-33. Antenna 3a EIRP Data (ULCA LTE Band 7)

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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ULCA - Band 41 (PC2)

Power State	Band	Bandwidth (PCC + SCC)	PCC				SCC				ULCA Tx. Power [dBm]	Ant. Gain [dB]	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	26.45	2.80	29.25	0.841	33.01	-3.76
				40620	2593.0	1	99		40818	2612.8	1	0	26.28	2.80	29.08	0.809	33.01	-3.93
				41490	2680.0	1	0		41292	2660.2	1	99	26.38	2.80	29.18	0.828	33.01	-3.83
			QPSK	39750	2506	100	0	QPSK	39948	2525.8	100	0	24.61	2.80	27.41	0.551	33.01	-5.60
				16-QAM	39750	2506	100		0	16-QAM	39948	2525.8	100	0	23.67	2.80	26.47	0.444
			64-QAM	39750	2506	100	0	64-QAM	39948	2525.8	100	0	23.66	2.80	26.46	0.443	33.01	-6.55
				256-QAM	39750	2506	100		0	256-QAM	39948	2525.8	100	0	21.56	2.80	24.36	0.273

Table 7-34. Antenna 3a EIRP Data (ULCA LTE Band 41 (PC2))

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	2500.0	1	99	QPSK	39948	2525.8	1	0	25.40	2.80	28.20	0.661	33.01	-4.81
				40620	2593.0	1	99		40818	2612.8	1	0	25.82	2.80	28.42	0.695	33.01	-4.59
				41490	2680.0	1	0		41292	2660.2	1	99	25.41	2.80	28.21	0.662	33.01	-4.80
			QPSK	40620	2593	100	0	QPSK	40818	2612.8	100	0	23.80	2.80	26.60	0.457	33.01	-6.41
				16-QAM	40620	2593	100	0	16-QAM	40818	2612.8	100	0	22.87	2.80	25.67	0.369	33.01
			64-QAM	40620	2593	100	0	64-QAM	40818	2612.8	100	0	22.78	2.80	25.58	0.361	33.01	-7.43
				256-QAM	40620	2593	100	0	256-QAM	40818	2612.8	100	0	20.83	2.80	23.63	0.231	33.01

Table 7-35. Antenna 3a EIRP Data (ULCA LTE Band 41 (PC3))

FCC ID: BCGA2757	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.6.4 Antenna 1b – 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	-4.50	1 / 24	23.10	18.60	0.072	23.98	-5.38
		2310.0	-4.50	1 / 24	23.17	18.67	0.074	23.98	-5.31
		2312.5	-4.50	1 / 0	22.95	18.45	0.070	23.98	-5.53
	16-QAM	2310.0	-4.50	1 / 12	22.50	18.00	0.063	23.98	-5.98
	64-QAM	2307.5	-4.50	1 / 12	21.53	17.03	0.050	23.98	-6.95
10 MHz	256-QAM	2312.5	-4.50	1 / 12	18.58	14.08	0.026	23.98	-9.90
	QPSK	2310.0	-4.50	1 / 25	23.19	18.69	0.074	23.98	-5.29
	16-QAM	2310.0	-4.50	1 / 0	22.51	18.01	0.063	23.98	-5.97
	64-QAM	2310.0	-4.50	1 / 25	21.84	17.34	0.054	23.98	-6.64
	256-QAM	2310.0	-4.50	1 / 25	18.85	14.35	0.027	23.98	-9.63


Table 7-36. Antenna 1b EIRP Data (LTE Band 30)

FCC ID: BCGA2757	 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	-4.40	1 / 24	23.01	18.61	0.073	33.01	-14.40
		2535.0	-4.40	1 / 0	23.13	18.73	0.075	33.01	-14.28
		2567.5	-4.40	1 / 12	22.94	18.54	0.071	33.01	-14.47
	16-QAM	2535.0	-4.40	1 / 0	22.39	17.99	0.063	33.01	-15.02
	64-QAM	2502.5	-4.40	1 / 0	21.41	17.01	0.050	33.01	-16.00
	256-QAM	2567.5	-4.40	1 / 0	18.49	14.09	0.026	33.01	-18.92
10 MHz	QPSK	2505.0	-4.40	1 / 25	22.89	18.49	0.071	33.01	-14.52
		2535.0	-4.40	1 / 0	22.97	18.57	0.072	33.01	-14.44
		2565.0	-4.40	1 / 25	23.02	18.62	0.073	33.01	-14.39
	16-QAM	2565.0	-4.40	1 / 25	22.39	17.99	0.063	33.01	-15.02
	64-QAM	2565.0	-4.40	1 / 25	21.69	17.29	0.054	33.01	-15.72
	256-QAM	2565.0	-4.40	1 / 49	18.73	14.33	0.027	33.01	-18.68
15 MHz	QPSK	2507.5	-4.40	1 / 0	23.13	18.73	0.075	33.01	-14.28
		2535.0	-4.40	1 / 0	23.09	18.69	0.074	33.01	-14.32
		2562.5	-4.40	1 / 0	23.08	18.68	0.074	33.01	-14.33
	16-QAM	2562.5	-4.40	1 / 0	22.38	17.98	0.063	33.01	-15.03
	64-QAM	2562.5	-4.40	1 / 0	21.84	17.44	0.055	33.01	-15.57
	256-QAM	2562.5	-4.40	1 / 74	18.74	14.34	0.027	33.01	-18.67
20 MHz	QPSK	2510.0	-4.40	1 / 0	23.15	18.75	0.075	33.01	-14.26
		2535.0	-4.40	1 / 0	22.88	18.48	0.070	33.01	-14.53
		2560.0	-4.40	1 / 0	23.17	18.77	0.075	33.01	-14.24
	16-QAM	2560.0	-4.40	1 / 0	22.42	18.02	0.063	33.01	-14.99
	64-QAM	2535.0	-4.40	1 / 0	21.88	17.48	0.056	33.01	-15.53
	256-QAM	2535.0	-4.40	1 / 0	18.64	14.24	0.027	33.01	-18.77


Table 7-37. Antenna 1b EIRP Data (LTE Band 7)

FCC ID: BCGA2757	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-04-R2.BCG	Test Dates: 7/3/2022 - 9/15/2022	EUT Type: Tablet Device	Page 213 of 284

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	-3.90	1 / 0	23.70	19.80	0.095	33.01	-13.21
		2593.0	-3.90	1 / 0	24.53	20.63	0.116	33.01	-12.38
		2687.5	-3.90	1 / 0	24.48	20.58	0.114	33.01	-12.43
	16-QAM	2593.0	-3.90	1 / 0	24.86	20.96	0.125	33.01	-12.05
	64-QAM	2593.0	-3.90	1 / 12	24.54	20.64	0.116	33.01	-12.37
256-QAM	2593.0	-3.90	1 / 12	21.31	17.41	0.055	33.01	-15.60	
10 MHz	QPSK	2501.0	-3.90	1 / 0	23.70	19.80	0.095	33.01	-13.21
		2593.0	-3.90	1 / 49	24.60	20.70	0.117	33.01	-12.31
		2685.0	-3.90	1 / 0	24.62	20.72	0.118	33.01	-12.29
	16-QAM	2685.0	-3.90	1 / 49	25.08	21.18	0.131	33.01	-11.83
	64-QAM	2685.0	-3.90	1 / 49	23.99	20.09	0.102	33.01	-12.92
256-QAM	2593.0	-3.90	1 / 0	21.17	17.27	0.053	33.01	-15.74	
15 MHz	QPSK	2503.5	-3.90	1 / 0	23.62	19.72	0.094	33.01	-13.29
		2593.0	-3.90	1 / 0	24.60	20.70	0.117	33.01	-12.31
		2682.5	-3.90	1 / 0	24.52	20.62	0.115	33.01	-12.39
	16-QAM	2682.5	-3.90	1 / 74	24.10	20.20	0.105	33.01	-12.81
	64-QAM	2682.5	-3.90	1 / 74	23.98	20.08	0.102	33.01	-12.93
256-QAM	2682.5	-3.90	1 / 74	21.13	17.23	0.053	33.01	-15.78	
20 MHz	QPSK	2506.0	-3.90	1 / 0	23.39	19.49	0.089	33.01	-13.52
		2593.0	-3.90	1 / 0	24.53	20.63	0.116	33.01	-12.38
		2680.0	-3.90	1 / 50	24.66	20.76	0.119	33.01	-12.25
	16-QAM	2593.0	-3.90	1 / 99	24.08	20.18	0.104	33.01	-12.83
	64-QAM	2680.0	-3.90	1 / 50	23.97	20.07	0.102	33.01	-12.94
256-QAM	2593.0	-3.90	1 / 99	21.54	17.64	0.058	33.01	-15.37	


Table 7-38. Antenna 1b EIRP Data (LTE Band 41(PC2))

FCC ID: BCGA2757	 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	-3.90	1 / 12	23.56	19.66	0.092	33.01	-13.35
		2593.0	-3.90	1 / 12	24.69	20.79	0.120	33.01	-12.22
		2687.5	-3.90	1 / 0	24.57	20.67	0.117	33.01	-12.34
	16-QAM	2593.0	-3.90	1 / 12	23.69	19.79	0.095	33.01	-13.22
	64-QAM	2593.0	-3.90	1 / 24	23.07	19.17	0.083	33.01	-13.84
256-QAM	2593.0	-3.90	1 / 12	19.95	16.05	0.040	33.01	-16.96	
10 MHz	QPSK	2501.0	-3.90	1 / 0	23.58	19.68	0.093	33.01	-13.33
		2593.0	-3.90	1 / 0	24.68	20.78	0.120	33.01	-12.23
		2685.0	-3.90	1 / 49	24.65	20.75	0.119	33.01	-12.26
	16-QAM	2685.0	-3.90	1 / 25	23.94	20.04	0.101	33.01	-12.97
	64-QAM	2593.0	-3.90	1 / 0	22.72	18.82	0.076	33.01	-14.19
256-QAM	2593.0	-3.90	1 / 0	19.78	15.88	0.039	33.01	-17.13	
15 MHz	QPSK	2503.5	-3.90	1 / 0	23.35	19.45	0.088	33.01	-13.56
		2593.0	-3.90	1 / 0	24.52	20.62	0.115	33.01	-12.39
		2682.5	-3.90	1 / 37	24.60	20.70	0.117	33.01	-12.31
	16-QAM	2682.5	-3.90	1 / 74	23.77	19.87	0.097	33.01	-13.14
	64-QAM	2682.5	-3.90	1 / 74	22.60	18.70	0.074	33.01	-14.31
	256-QAM	2593.0	-3.90	1 / 74	19.71	15.81	0.038	33.01	-17.20
2682.5	-3.90	1 / 74	19.71	15.81	0.038	33.01	-17.20		
20 MHz	QPSK	2506.0	-3.90	1 / 0	23.45	19.55	0.090	33.01	-13.46
		2593.0	-3.90	1 / 99	24.54	20.64	0.116	33.01	-12.37
		2680.0	-3.90	1 / 50	24.64	20.74	0.119	33.01	-12.27
	16-QAM	2680.0	-3.90	1 / 50	23.87	19.97	0.099	33.01	-13.04
	64-QAM	2680.0	-3.90	1 / 99	22.64	18.74	0.075	33.01	-14.27
256-QAM	2593.0	-3.90	1 / 0	20.59	16.69	0.047	33.01	-16.32	


Table 7-39. Antenna 1b EIRP Data (LTE Band 41(PC3))

FCC ID: BCGA2757	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-04-R2.BCG	Test Dates: 7/3/2022 - 9/15/2022	EUT Type: Tablet Device	Page 215 of 284

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	π/2 BPSK	2307.5	-4.50	1 / 23	18.40	13.90	0.025	23.98	-10.08
		2310.0	-4.50	1 / 12	18.56	14.06	0.025	23.98	-9.92
		2312.5	-4.50	1 / 12	18.50	14.00	0.025	23.98	-9.98
	QPSK	2307.5	-4.50	1 / 23	18.16	13.66	0.023	23.98	-10.32
		2310.0	-4.50	1 / 23	18.69	14.19	0.026	23.98	-9.79
		2312.5	-4.50	1 / 1	18.28	13.78	0.024	23.98	-10.20
	16-QAM	2310.0	-4.50	1 / 12	17.52	13.02	0.020	23.98	-10.96
64-QAM	2312.5	-4.50	1 / 12	16.15	11.65	0.015	23.98	-12.33	
256-QAM	2310.0	-4.50	1 / 23	13.76	9.26	0.008	23.98	-14.72	
10 MHz	π/2 BPSK	2310.0	-4.50	1 / 1	18.69	14.19	0.026	23.98	-9.79
	QPSK	2310.0	-4.50	1 / 25	18.51	14.01	0.025	23.98	-9.97
	16-QAM	2310.0	-4.50	1 / 1	17.59	13.09	0.020	23.98	-10.89
	64-QAM	2310.0	-4.50	1 / 25	15.84	11.34	0.014	23.98	-12.64
	256-QAM	2310.0	-4.50	50 / 0	13.65	9.15	0.008	23.98	-14.83


Table 7-40. Antenna 1b EIRP Data (NR Band n30)

FCC ID: BCGA2757	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-04-R2.BCG	Test Dates: 7/3/2022 - 9/15/2022	EUT Type: Tablet Device	Page 216 of 284

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	π/2 BPSK	2502.5	-4.40	1 / 1	23.08	18.68	0.074	33.01	-14.33
		2535.0	-4.40	1 / 1	22.85	18.45	0.070	33.01	-14.56
		2567.5	-4.40	1 / 1	22.96	18.56	0.072	33.01	-14.45
	QPSK	2502.5	-4.40	1 / 1	22.75	18.35	0.068	33.01	-14.66
		2535.0	-4.40	1 / 12	22.92	18.52	0.071	33.01	-14.49
		2567.5	-4.40	1 / 1	22.97	18.57	0.072	33.01	-14.44
		16-QAM	2502.5	-4.40	1 / 12	22.23	17.83	0.061	33.01
64-QAM	2567.5	-4.40	1 / 1	20.38	15.98	0.040	33.01	-17.03	
256-QAM	2567.5	-4.40	1 / 12	18.32	13.92	0.025	33.01	-19.09	
10 MHz	π/2 BPSK	2505.0	-4.40	1 / 25	22.92	18.52	0.071	33.01	-14.49
		2535.0	-4.40	1 / 25	22.90	18.50	0.071	33.01	-14.51
		2565.0	-4.40	1 / 1	22.95	18.55	0.072	33.01	-14.46
	QPSK	2505.0	-4.40	1 / 25	22.93	18.53	0.071	33.01	-14.48
		2535.0	-4.40	1 / 1	23.04	18.64	0.073	33.01	-14.37
		2565.0	-4.40	1 / 50	23.00	18.60	0.073	33.01	-14.41
		16-QAM	2565.0	-4.40	1 / 1	22.30	17.90	0.062	33.01
64-QAM	2565.0	-4.40	1 / 50	20.45	16.05	0.040	33.01	-16.96	
256-QAM	2565.0	-4.40	1 / 1	18.33	13.93	0.025	33.01	-19.08	
15 MHz	π/2 BPSK	2507.5	-4.40	1 / 37	23.18	18.78	0.075	33.01	-14.23
		2535.0	-4.40	1 / 73	23.18	18.78	0.076	33.01	-14.23
		2562.5	-4.40	1 / 37	23.17	18.77	0.075	33.01	-14.24
	QPSK	2507.5	-4.40	1 / 73	23.20	18.80	0.076	33.01	-14.21
		2535.0	-4.40	1 / 1	22.89	18.49	0.071	33.01	-14.52
		2562.5	-4.40	1 / 1	23.01	18.61	0.073	33.01	-14.40
		16-QAM	2562.5	-4.40	1 / 1	22.12	17.72	0.059	33.01
64-QAM	2535.0	-4.40	1 / 37	20.58	16.18	0.042	33.01	-16.83	
256-QAM	2562.5	-4.40	1 / 1	18.32	13.92	0.025	33.01	-19.09	
20 MHz	π/2 BPSK	2510.0	-4.40	1 / 1	23.15	18.75	0.075	33.01	-14.26
		2535.0	-4.40	1 / 1	23.20	18.80	0.076	33.01	-14.21
		2560.0	-4.40	1 / 50	22.91	18.51	0.071	33.01	-14.50
	QPSK	2510.0	-4.40	1 / 1	23.00	18.60	0.072	33.01	-14.41
		2535.0	-4.40	1 / 98	23.17	18.77	0.075	33.01	-14.24
		2560.0	-4.40	1 / 98	23.01	18.61	0.073	33.01	-14.40
		16-QAM	2535.0	-4.40	1 / 50	22.12	17.72	0.059	33.01
64-QAM	2560.0	-4.40	1 / 1	20.29	15.89	0.039	33.01	-17.12	
256-QAM	2510.0	-4.40	1 / 1	18.38	13.98	0.025	33.01	-19.03	
25 MHz	π/2 BPSK	2512.5	-4.40	1 / 131	23.10	18.70	0.074	33.01	-14.32
		2535.0	-4.40	1 / 131	22.94	18.54	0.071	33.01	-14.47
		2557.5	-4.40	1 / 66	23.20	18.80	0.076	33.01	-14.21
	QPSK	2512.5	-4.40	1 / 131	23.13	18.73	0.075	33.01	-14.28
		2535.0	-4.40	1 / 131	22.90	18.50	0.071	33.01	-14.51
		2557.5	-4.40	1 / 1	23.06	18.66	0.073	33.01	-14.35
		16-QAM	2557.5	-4.40	1 / 66	22.53	18.13	0.065	33.01
64-QAM	2512.5	-4.40	1 / 131	20.63	16.23	0.042	33.01	-16.78	
256-QAM	2512.5	-4.40	1 / 66	18.44	14.04	0.025	33.01	-18.97	
30 MHz	π/2 BPSK	2515.0	-4.40	1 / 80	22.78	18.38	0.069	33.01	-14.63
		2535.0	-4.40	1 / 1	23.25	18.85	0.077	33.01	-14.16
		2555.0	-4.40	1 / 1	23.19	18.79	0.076	33.01	-14.22
	QPSK	2515.0	-4.40	1 / 80	23.04	18.64	0.073	33.01	-14.37
		2535.0	-4.40	1 / 1	23.41	19.01	0.080	33.01	-14.00
		2555.0	-4.40	1 / 80	23.00	18.60	0.072	33.01	-14.41
		16-QAM	2555.0	-4.40	1 / 158	22.29	17.89	0.062	33.01
64-QAM	2535.0	-4.40	1 / 158	20.80	16.40	0.044	33.01	-16.61	
256-QAM	2555.0	-4.40	1 / 1	18.53	14.13	0.026	33.01	-18.88	
40 MHz	π/2 BPSK	2520.0	-4.40	1 / 108	23.20	18.80	0.076	33.01	-14.21
		2535.0	-4.40	1 / 108	23.14	18.74	0.075	33.01	-14.27
		2550.0	-4.40	1 / 214	23.01	18.61	0.073	33.01	-14.40
	QPSK	2520.0	-4.40	1 / 108	23.08	18.68	0.074	33.01	-14.33
		2535.0	-4.40	1 / 214	23.04	18.64	0.073	33.01	-14.38
		2550.0	-4.40	1 / 214	23.05	18.65	0.073	33.01	-14.37
		16-QAM	2535.0	-4.40	1 / 108	22.37	17.97	0.063	33.01
64-QAM	2550.0	-4.40	1 / 108	20.51	16.11	0.041	33.01	-16.90	
256-QAM	2550.0	-4.40	1 / 214	18.72	14.32	0.027	33.01	-18.69	

Table 7-41. Antenna 1b EIRP Data (NR Band n7)

FCC ID: BCGA2757		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2205090023-04-R2.BCG	Test Dates: 7/3/2022 - 9/15/2022	EUT Type: Tablet Device	Page 217 of 284

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	-3.90	1 / 49	24.13	20.23	0.106	33.01	-12.78	
		2593.0	-3.90	1 / 1	24.10	20.20	0.105	33.01	-12.81	
		2680.0	-3.90	1 / 1	24.20	20.30	0.107	33.01	-12.71	
	QPSK	2506.0	-3.90	1 / 25	24.16	20.26	0.106	33.01	-12.75	
		2593.0	-3.90	1 / 1	23.98	20.08	0.102	33.01	-12.93	
		2680.0	-3.90	1 / 49	24.20	20.30	0.107	33.01	-12.71	
	16-QAM	2506.0	-3.90	1 / 49	23.56	19.66	0.092	33.01	-13.35	
		2680.0	-3.90	1 / 1	21.80	17.90	0.062	33.01	-15.11	
		256-QAM	2593.0	-3.90	1 / 25	19.78	15.88	0.039	33.01	-17.13
30 MHz	π/2 BPSK	2511.0	-3.90	1 / 1	24.01	20.11	0.103	33.01	-12.90	
		2593.0	-3.90	1 / 39	23.85	19.95	0.099	33.01	-13.06	
		2675.0	-3.90	1 / 76	24.20	20.30	0.107	33.01	-12.71	
	QPSK	2511.0	-3.90	1 / 1	23.96	20.06	0.101	33.01	-12.95	
		2593.0	-3.90	1 / 39	23.71	19.81	0.096	33.01	-13.20	
		2675.0	-3.90	1 / 39	23.91	20.01	0.100	33.01	-13.00	
	16-QAM	2593.0	-3.90	1 / 76	23.08	19.18	0.083	33.01	-13.83	
		64-QAM	2675.0	-3.90	1 / 39	21.75	17.85	0.061	33.01	-15.16
		256-QAM	2675.0	-3.90	1 / 39	19.80	15.90	0.039	33.01	-17.11
40 MHz	π/2 BPSK	2516.0	-3.90	1 / 104	24.16	20.26	0.106	33.01	-12.75	
		2593.0	-3.90	1 / 104	24.20	20.30	0.107	33.01	-12.71	
		2670.0	-3.90	1 / 53	24.02	20.12	0.103	33.01	-12.89	
	QPSK	2516.0	-3.90	1 / 104	24.09	20.19	0.104	33.01	-12.82	
		2593.0	-3.90	1 / 1	24.10	20.20	0.105	33.01	-12.81	
		2670.0	-3.90	1 / 1	24.12	20.22	0.105	33.01	-12.79	
	16-QAM	2593.0	-3.90	1 / 1	23.38	19.48	0.089	33.01	-13.53	
		64-QAM	2593.0	-3.90	1 / 1	21.81	17.91	0.062	33.01	-15.10
		256-QAM	2670.0	-3.90	1 / 104	20.30	16.40	0.044	33.01	-16.61
50 MHz	π/2 BPSK	2521.0	-3.90	1 / 66	24.15	20.25	0.106	33.01	-12.76	
		2593.0	-3.90	1 / 1	24.20	20.30	0.107	33.01	-12.71	
		2665.0	-3.90	1 / 131	24.14	20.24	0.106	33.01	-12.77	
	QPSK	2521.0	-3.90	1 / 66	24.15	20.25	0.106	33.01	-12.76	
		2593.0	-3.90	1 / 131	24.16	20.26	0.106	33.01	-12.75	
		2665.0	-3.90	1 / 1	24.05	20.15	0.103	33.01	-12.86	
	16-QAM	2521.0	-3.90	1 / 66	23.49	19.59	0.091	33.01	-13.42	
		64-QAM	2593.0	-3.90	1 / 1	21.73	17.83	0.061	33.01	-15.18
		256-QAM	2593.0	-3.90	1 / 131	20.23	16.33	0.043	33.01	-16.68
60 MHz	π/2 BPSK	2526.0	-3.90	1 / 81	24.14	20.24	0.106	33.01	-12.77	
		2593.0	-3.90	1 / 1	24.20	20.30	0.107	33.01	-12.71	
		2660.0	-3.90	1 / 1	24.12	20.22	0.105	33.01	-12.80	
	QPSK	2526.0	-3.90	1 / 160	24.09	20.19	0.104	33.01	-12.82	
		2593.0	-3.90	1 / 1	24.18	20.28	0.107	33.01	-12.73	
		2660.0	-3.90	1 / 81	24.15	20.25	0.106	33.01	-12.76	
	16-QAM	2660.0	-3.90	1 / 1	23.56	19.66	0.092	33.01	-13.35	
		64-QAM	2593.0	-3.90	1 / 1	21.72	17.82	0.060	33.01	-15.19
		256-QAM	2526.0	-3.90	1 / 160	20.04	16.14	0.041	33.01	-16.87
80 MHz	π/2 BPSK	2536.0	-3.90	1 / 108	24.05	20.15	0.103	33.01	-12.86	
		2593.0	-3.90	1 / 108	24.18	20.28	0.107	33.01	-12.73	
		2650.0	-3.90	1 / 215	24.20	20.30	0.107	33.01	-12.71	
	QPSK	2536.0	-3.90	1 / 215	24.20	20.30	0.107	33.01	-12.71	
		2593.0	-3.90	1 / 108	24.12	20.22	0.105	33.01	-12.79	
		2650.0	-3.90	1 / 108	24.16	20.26	0.106	33.01	-12.75	
	16-QAM	2650.0	-3.90	1 / 215	23.42	19.52	0.090	33.01	-13.49	
		64-QAM	2650.0	-3.90	1 / 215	21.93	18.03	0.064	33.01	-14.98
		256-QAM	2650.0	-3.90	1 / 108	20.21	16.31	0.043	33.01	-16.70
90 MHz	π/2 BPSK	2541.0	-3.90	1 / 243	24.20	20.30	0.107	33.01	-12.71	
		2593.0	-3.90	1 / 122	24.13	20.23	0.105	33.01	-12.78	
		2645.0	-3.90	1 / 122	24.14	20.24	0.106	33.01	-12.77	
	QPSK	2541.0	-3.90	1 / 122	24.20	20.30	0.107	33.01	-12.71	
		2593.0	-3.90	1 / 243	24.00	20.10	0.102	33.01	-12.91	
		2645.0	-3.90	1 / 122	24.00	20.10	0.102	33.01	-12.91	
	16-QAM	2593.0	-3.90	1 / 243	23.69	19.79	0.095	33.01	-13.22	
		64-QAM	2593.0	-3.90	1 / 243	21.84	17.94	0.062	33.01	-15.07
		256-QAM	2541.0	-3.90	1 / 243	20.27	16.37	0.043	33.01	-16.64
100 MHz	π/2 BPSK	2546.0	-3.90	1 / 1	24.20	20.30	0.107	33.01	-12.71	
		2593.0	-3.90	1 / 1	23.98	20.08	0.102	33.01	-12.93	
		2640.0	-3.90	1 / 1	24.17	20.27	0.106	33.01	-12.74	
	QPSK	2546.0	-3.90	1 / 136	24.14	20.24	0.106	33.01	-12.77	
		2593.0	-3.90	1 / 136	24.10	20.20	0.105	33.01	-12.81	
		2640.0	-3.90	1 / 136	24.16	20.26	0.106	33.01	-12.75	
	16-QAM	2593.0	-3.90	1 / 136	23.60	19.70	0.093	33.01	-13.31	
		64-QAM	2640.0	-3.90	1 / 1	21.75	17.85	0.061	33.01	-15.16
		256-QAM	2640.0	-3.90	1 / 136	20.09	16.19	0.042	33.01	-16.82

Table 7-42. Antenna 1b EIRP Data (NR Band n41)

FCC ID: BCGA2757		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2205090023-04-R2.BCG	Test Dates: 7/3/2022 - 9/15/2022	EUT Type: Tablet Device		Page 218 of 284