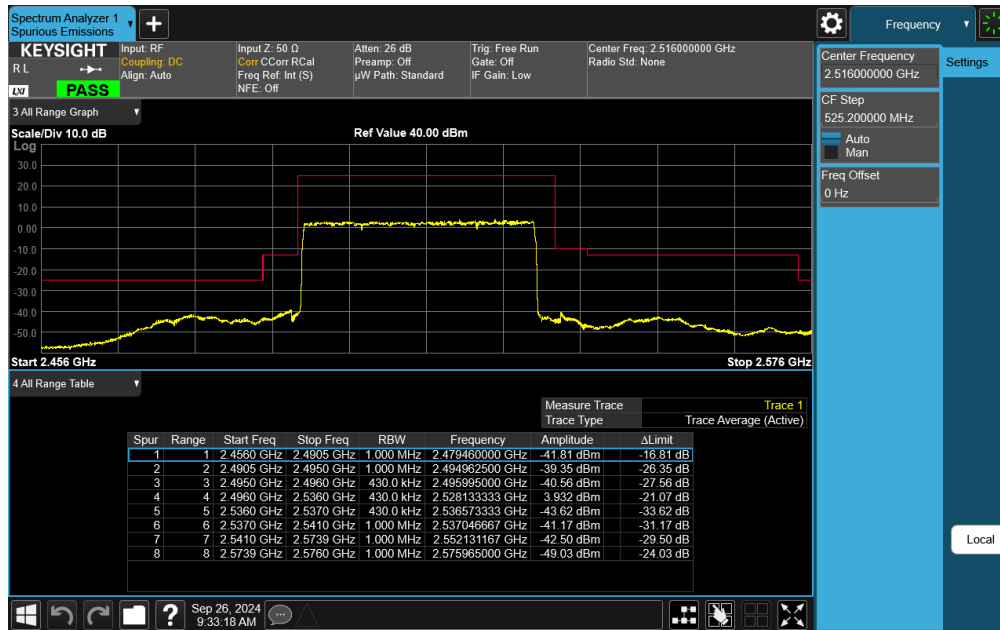
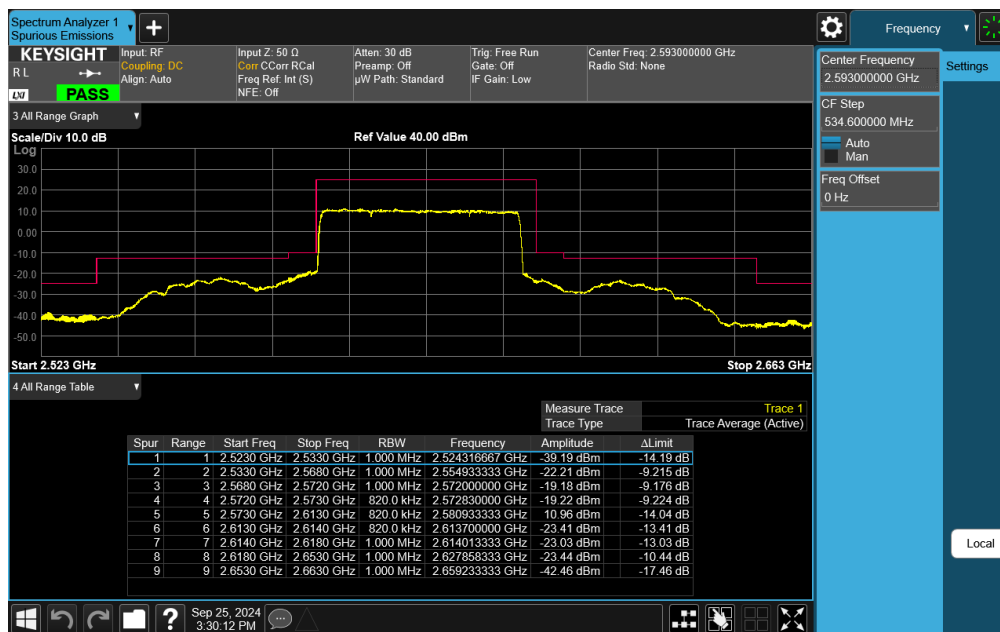




Plot 7-587. Lower ACP Plot (NR Band n41 - 40MHz CP-OFDM QPSK – Full RB)

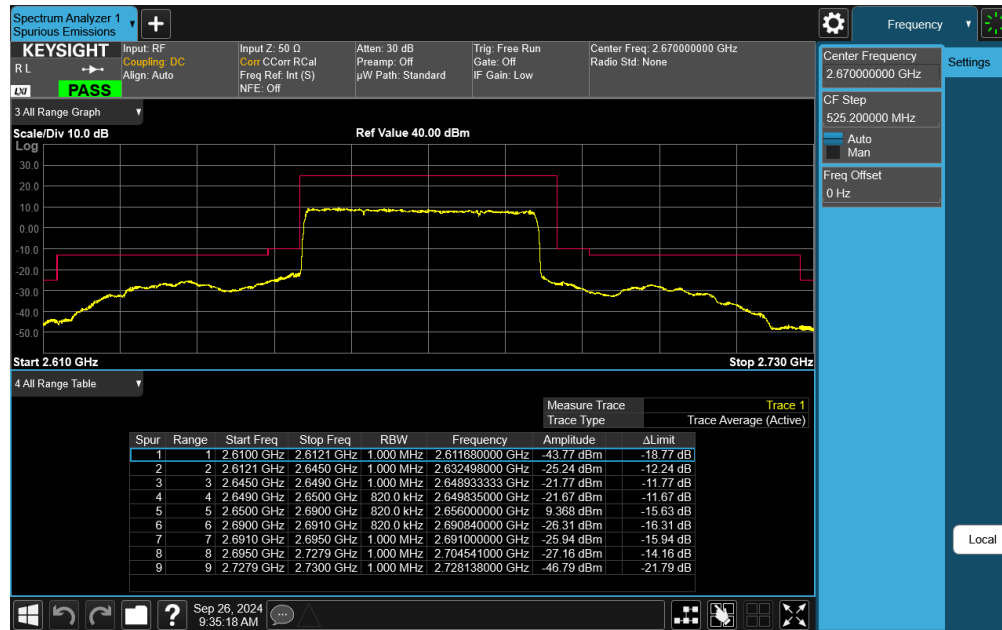


Plot 7-588. Middle ACP Plot (NR Band n41 - 40MHz CP-OFDM QPSK – Full RB)

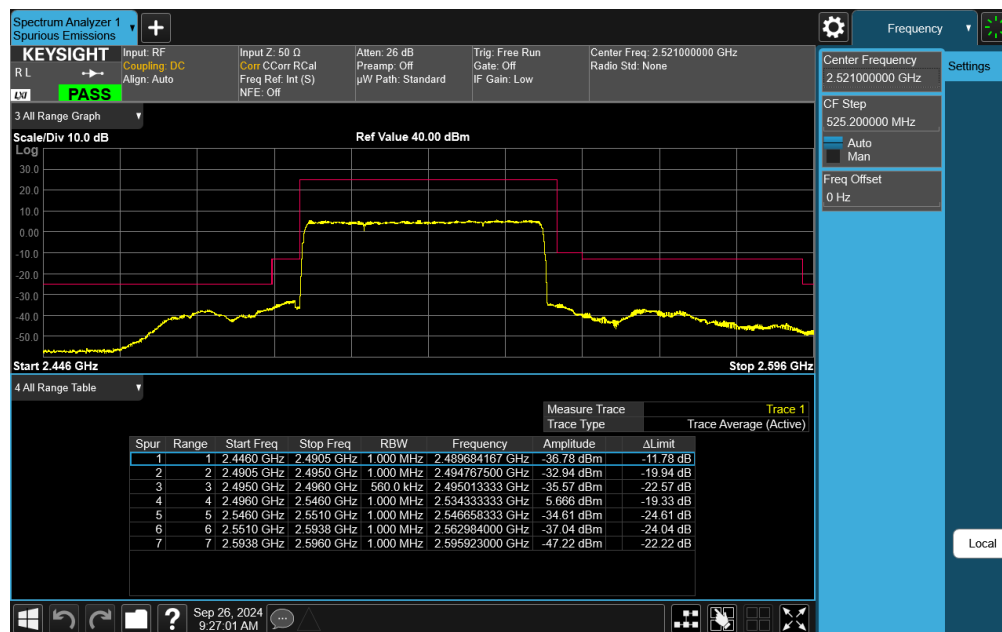
FCC ID: BCGA3269	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-589. Upper ACP Plot (NR Band n41 - 40MHz CP-OFDM QPSK – Full RB)

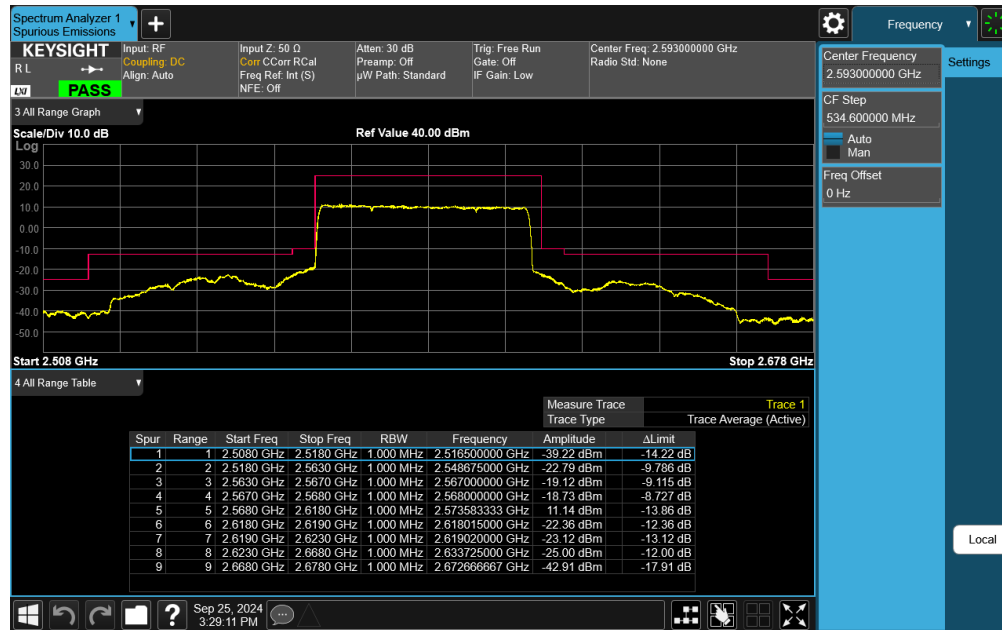


Plot 7-590. Lower ACP Plot (NR Band n41 - 50MHz CP-OFDM QPSK – Full RB)

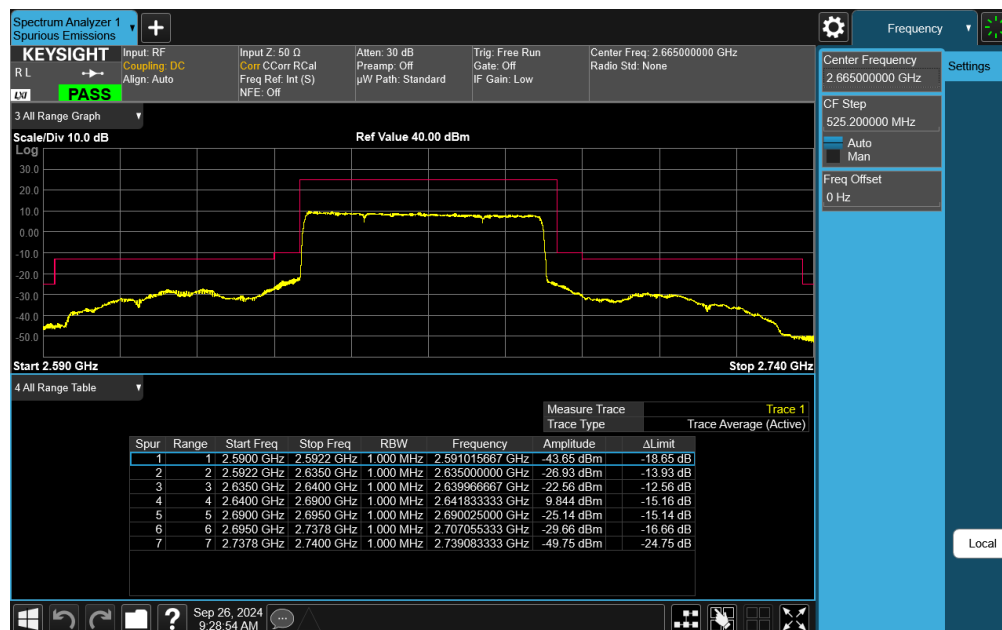
FCC ID: BCGA3269	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210075-10-R1.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 321 of 427

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Plot 7-591. Middle ACP Plot (NR Band n41 - 50MHz CP-OFDM QPSK – Full RB)

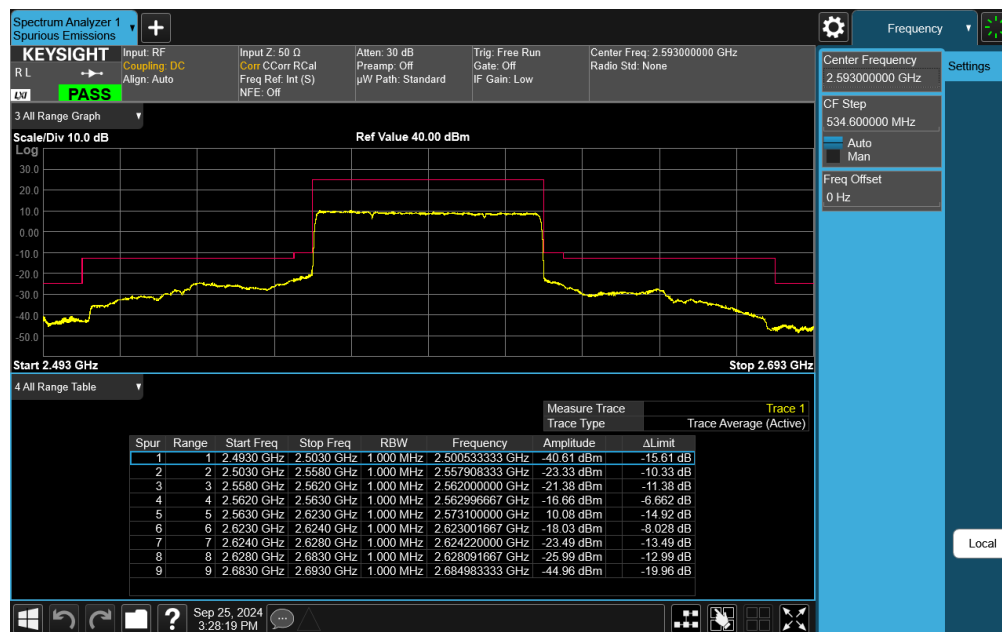
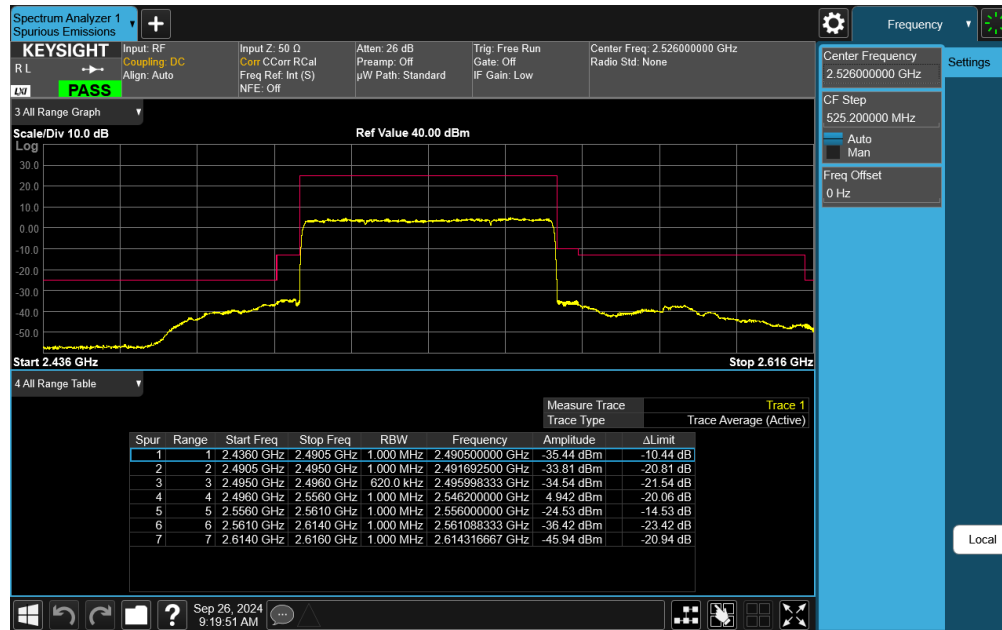


Plot 7-592. Upper ACP Plot (NR Band n41 - 50MHz CP-OFDM QPSK – Full RB)

FCC ID: BCGA3269	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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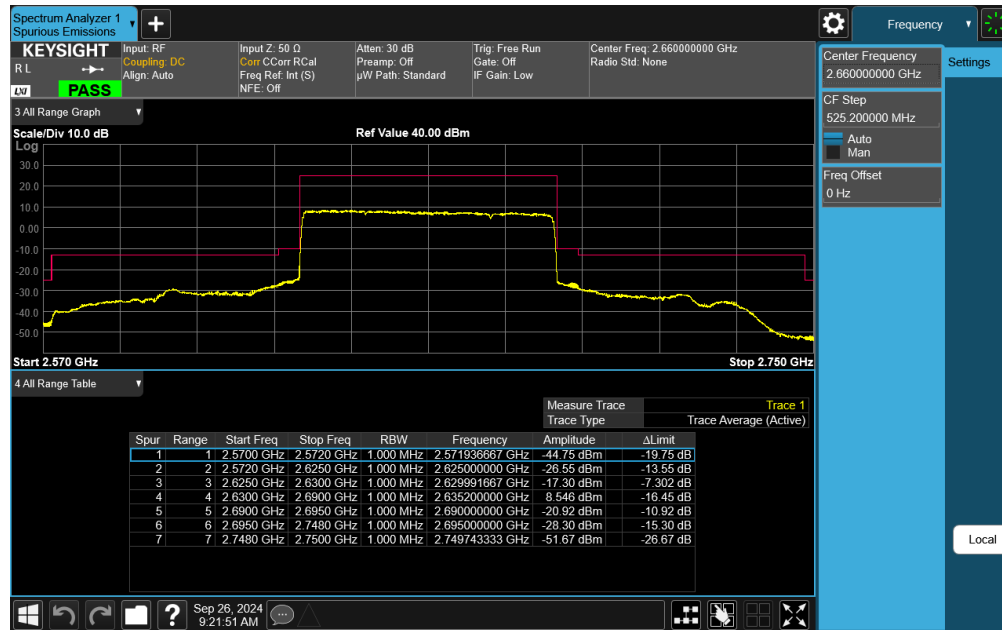
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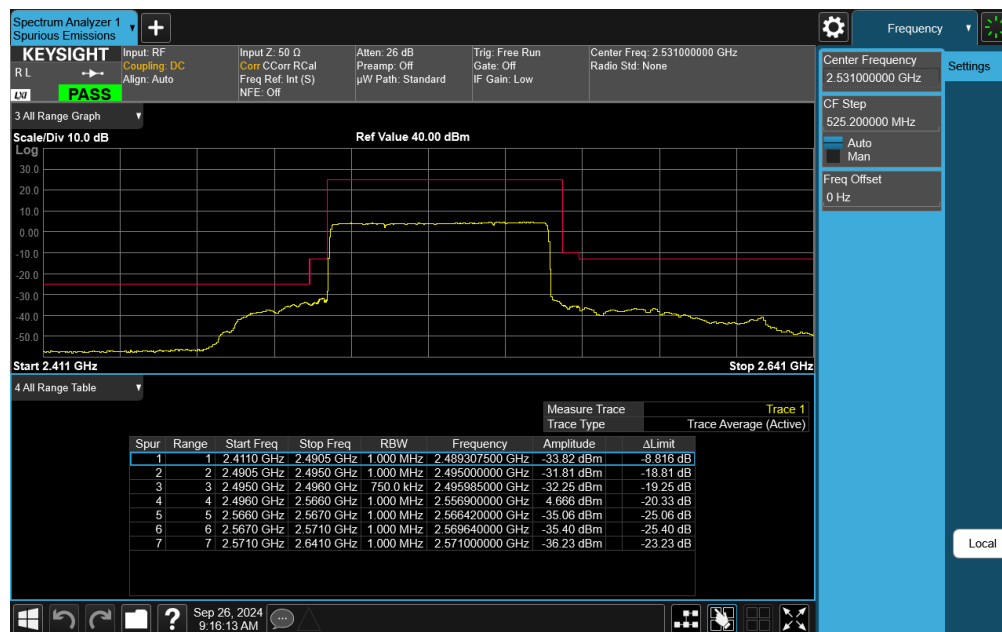
FCC ID: BCGA3269	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210075-10-R1.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 323 of 427

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Plot 7-595. Upper ACP Plot (NR Band n41 - 60MHz CP-OFDM QPSK – Full RB)

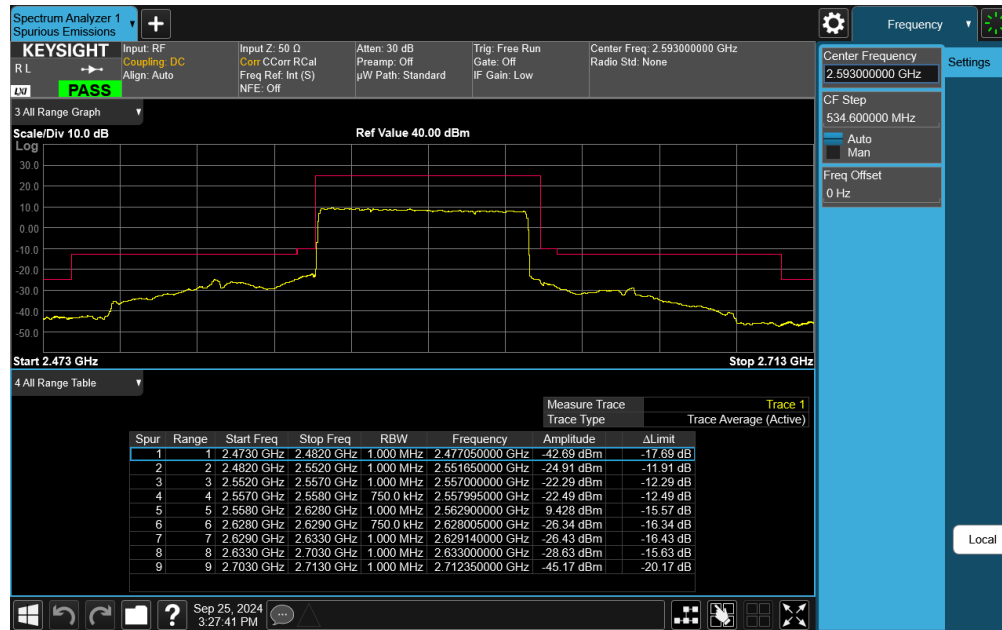


Plot 7-596. Lower ACP Plot (NR Band n41 - 70MHz CP-OFDM QPSK – Full RB)

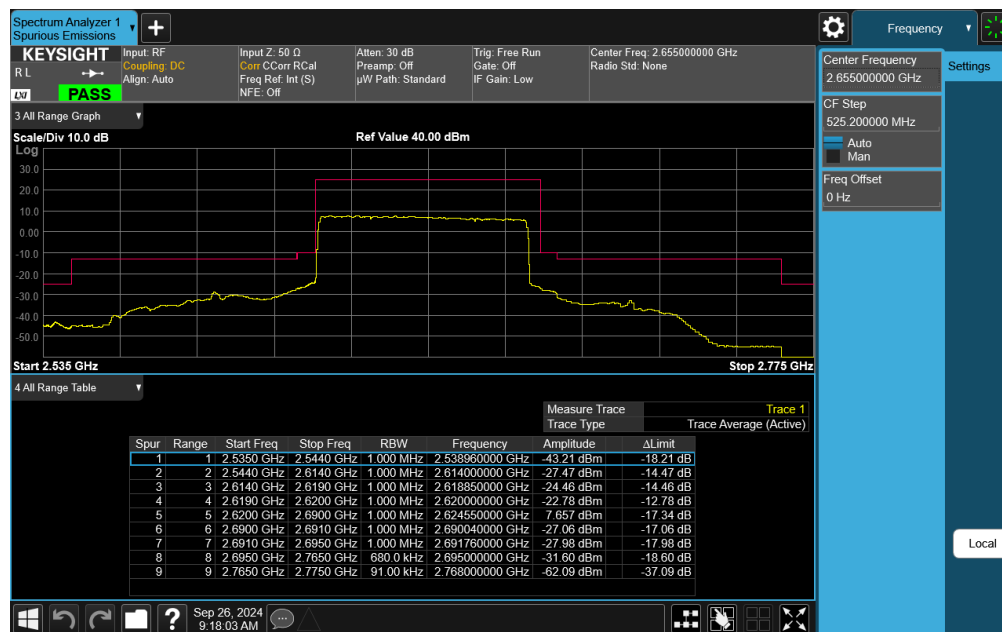
FCC ID: BCGA3269	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210075-10-R1.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 324 of 427

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Plot 7-597. Middle ACP Plot (NR Band n41 - 70MHz CP-OFDM QPSK – Full RB)

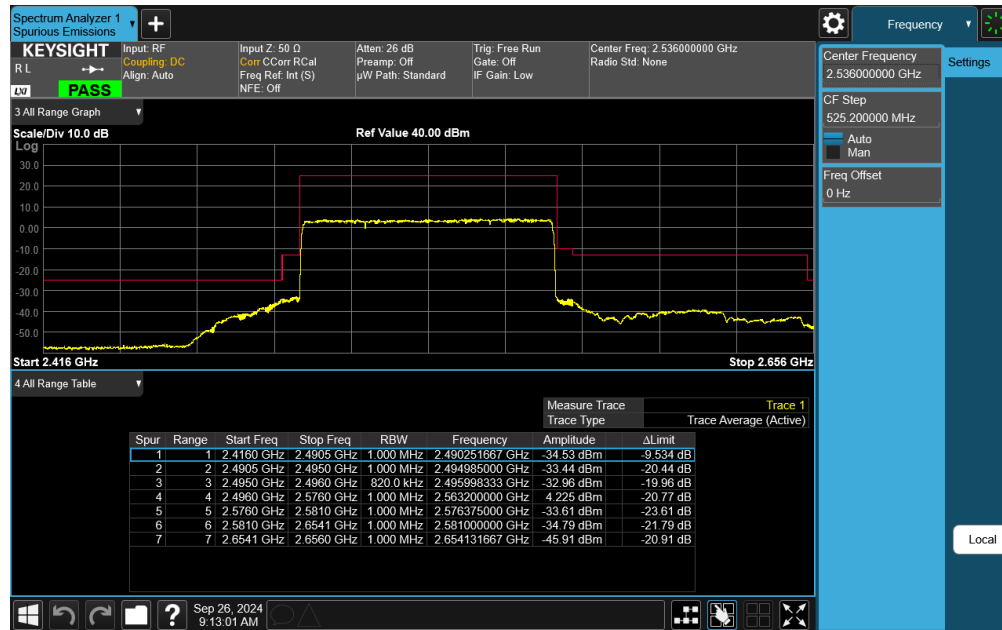


Plot 7-598. Upper ACP Plot (NR Band n41 - 70MHz CP-OFDM QPSK – Full RB)

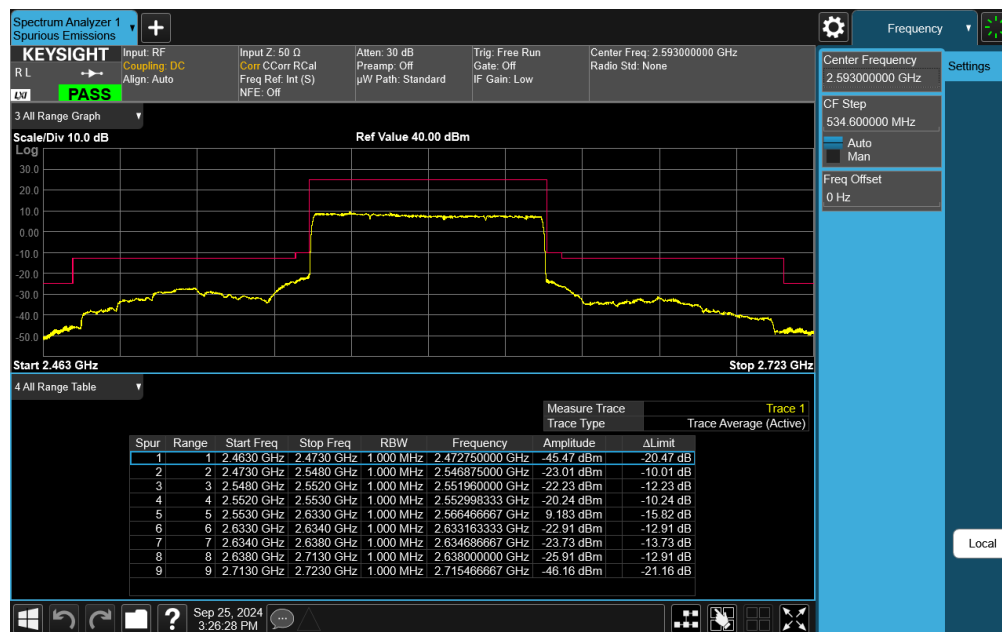
FCC ID: BCGA3269	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-599. Lower ACP Plot (NR Band n41 - 80MHz CP-OFDM QPSK – Full RB)

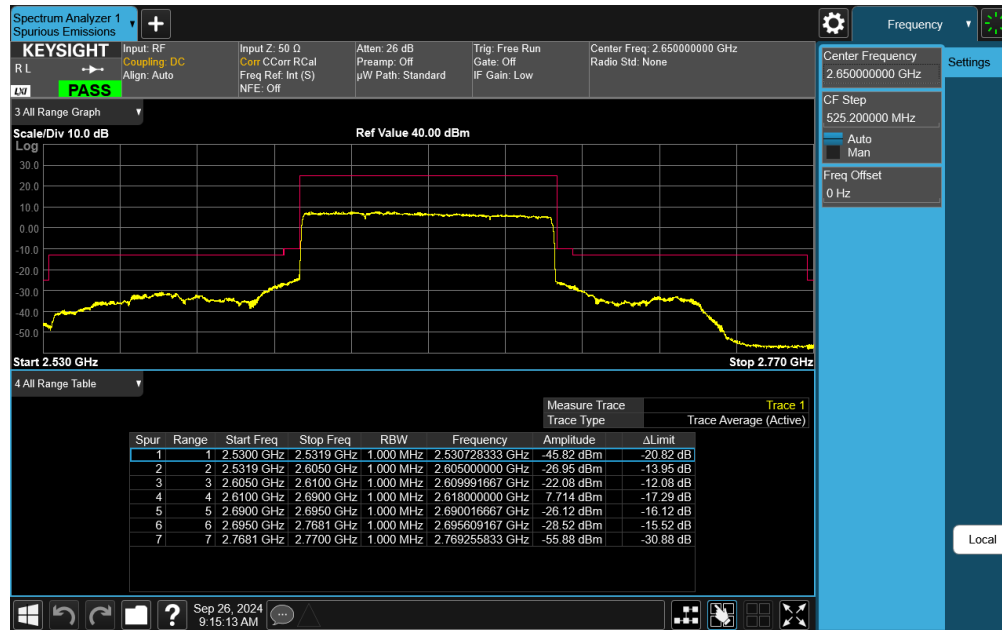


Plot 7-600. Middle ACP Plot (NR Band n41 - 80MHz CP-OFDM QPSK – Full RB)

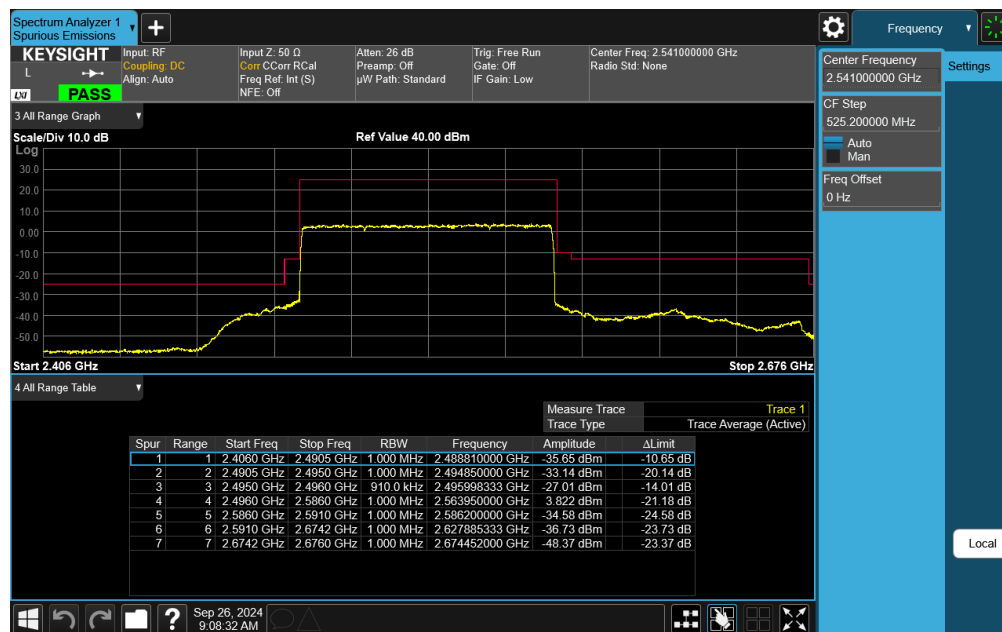
FCC ID: BCGA3269	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210075-10-R1.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 326 of 427

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Plot 7-601. Upper ACP Plot (NR Band n41 - 80MHz CP-OFDM QPSK – Full RB)

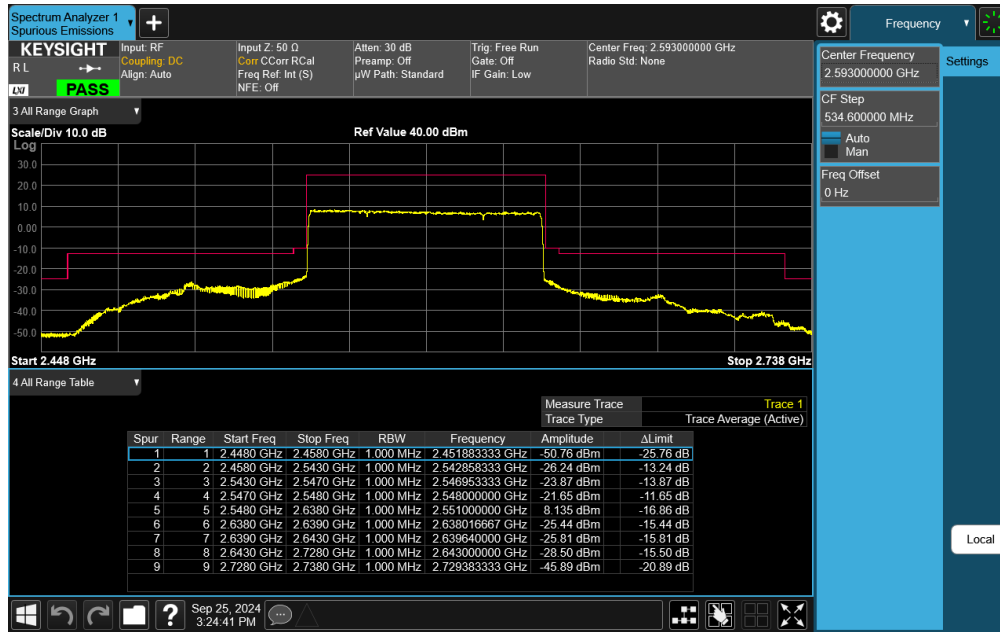


Plot 7-602. Lower ACP Plot (NR Band n41 - 90MHz CP-OFDM QPSK – Full RB)

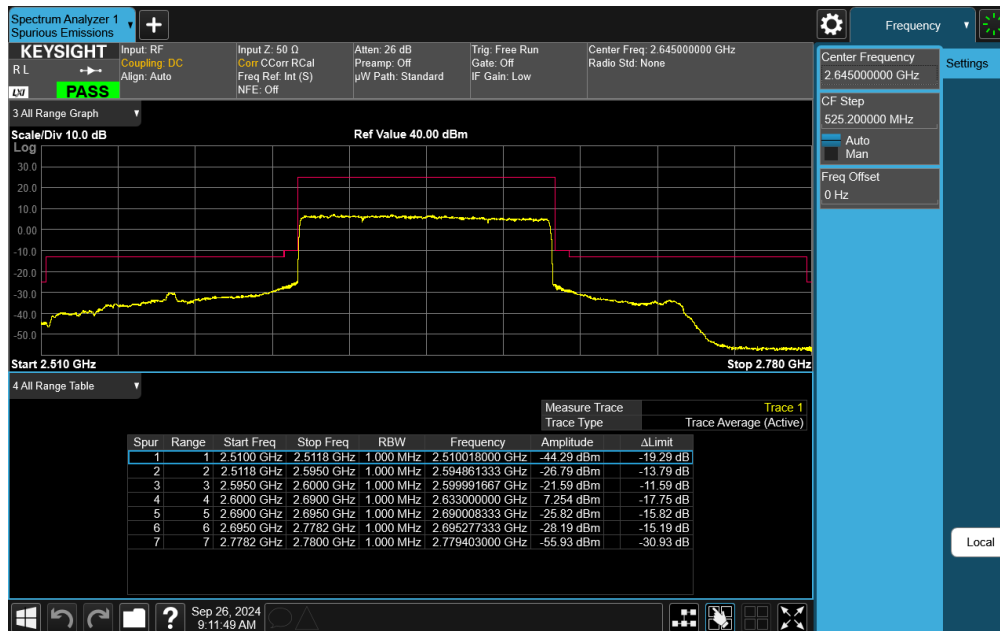
FCC ID: BCGA3269	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-603. Middle ACP Plot (NR Band n41 - 90MHz CP-OFDM QPSK – Full RB)

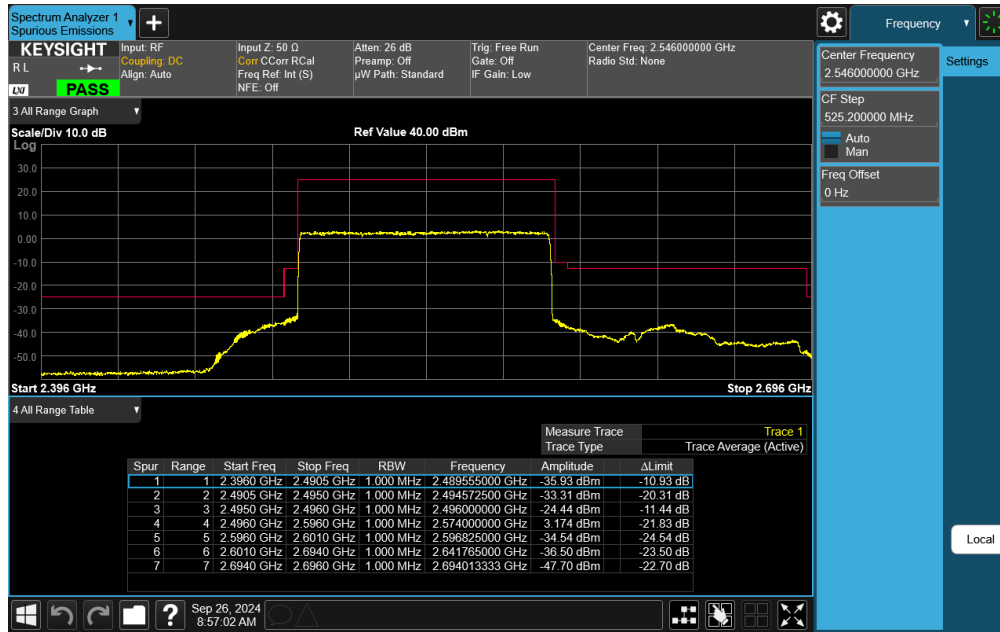


Plot 7-604. Upper ACP Plot (NR Band n41 - 90MHz CP-OFDM QPSK – Full RB)

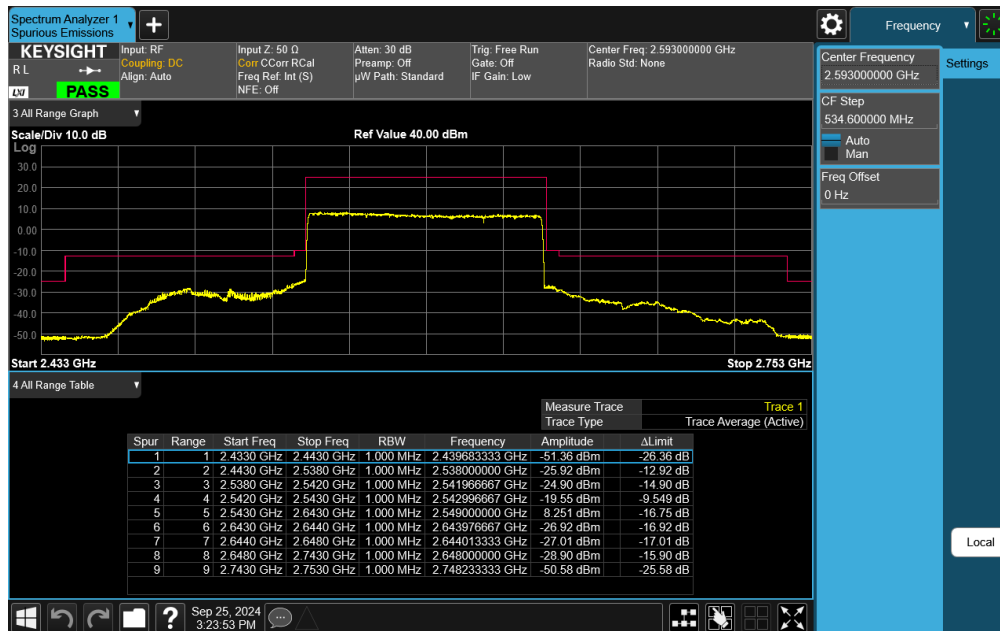
FCC ID: BCGA3269	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-605. Lower ACP Plot (NR Band n41 - 100MHz CP-OFDM QPSK – Full RB)

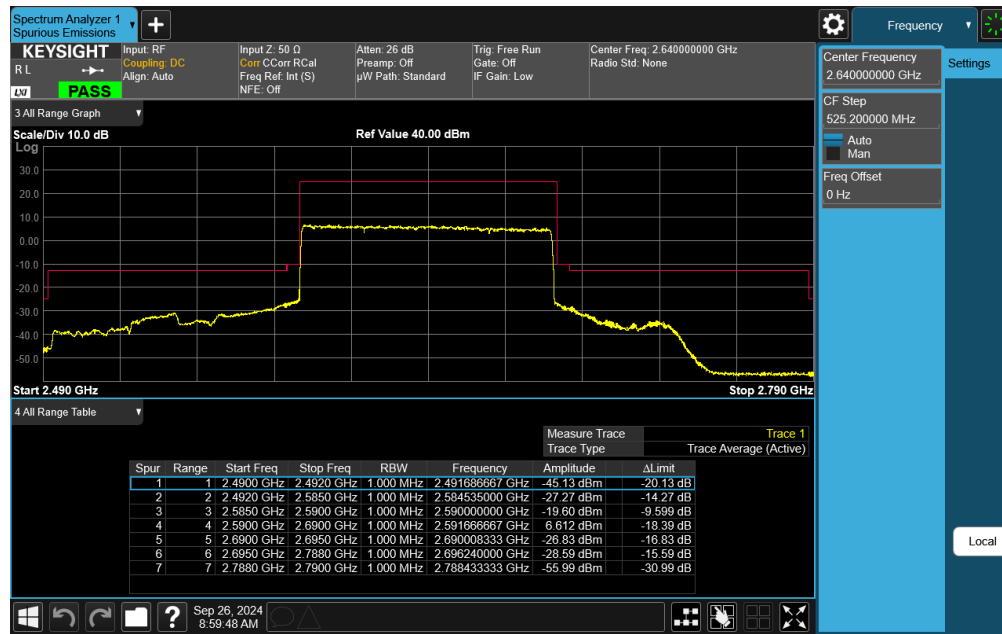


Plot 7-606. Middle ACP Plot (NR Band n41 - 100MHz CP-OFDM QPSK – Full RB)

FCC ID: BCGA3269	element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210075-10-R1.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 329 of 427

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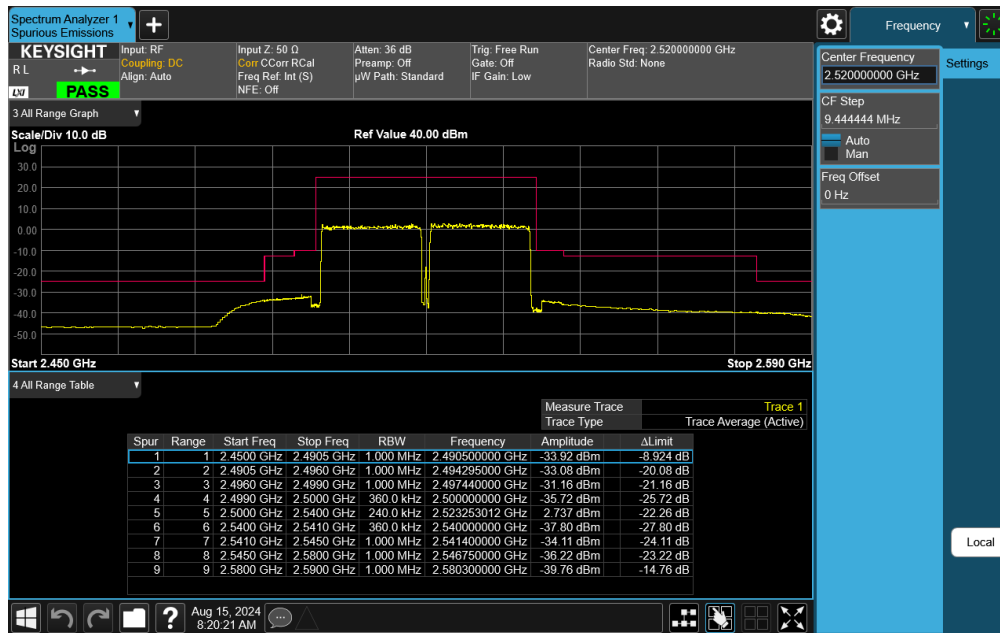


Plot 7-607. Upper ACP Plot (NR Band n41 - 100MHz CP-OFDM QPSK – Full RB)

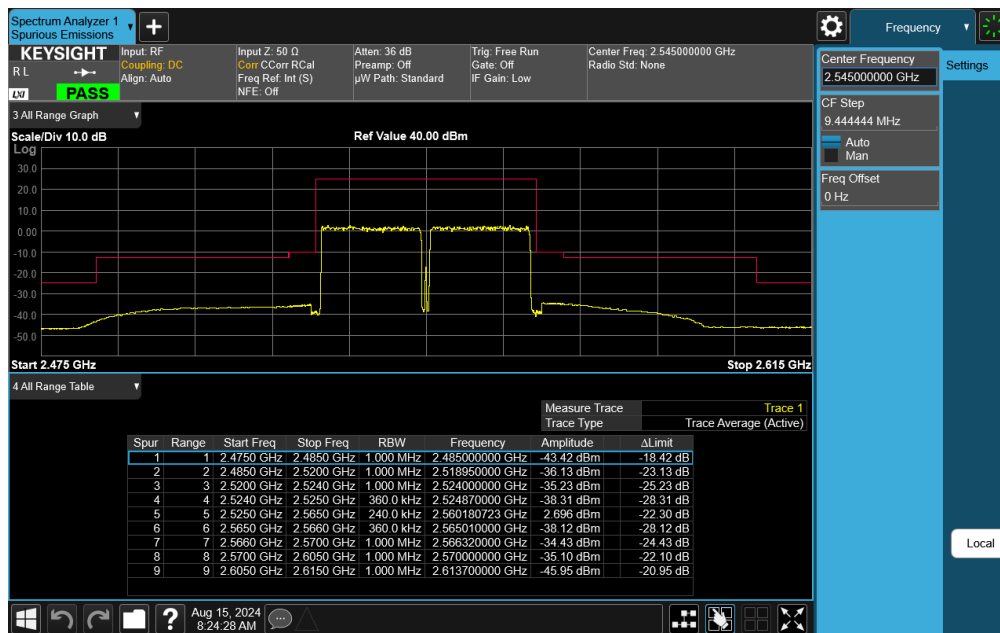
FCC ID: BCGA3269	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-10-R1.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 330 of 427

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ULCA - LTE Band 7



Plot 7-608. Lower ACP Plot (UCLA LTE B7 – (20+20)MHz QPSK - Full RB)

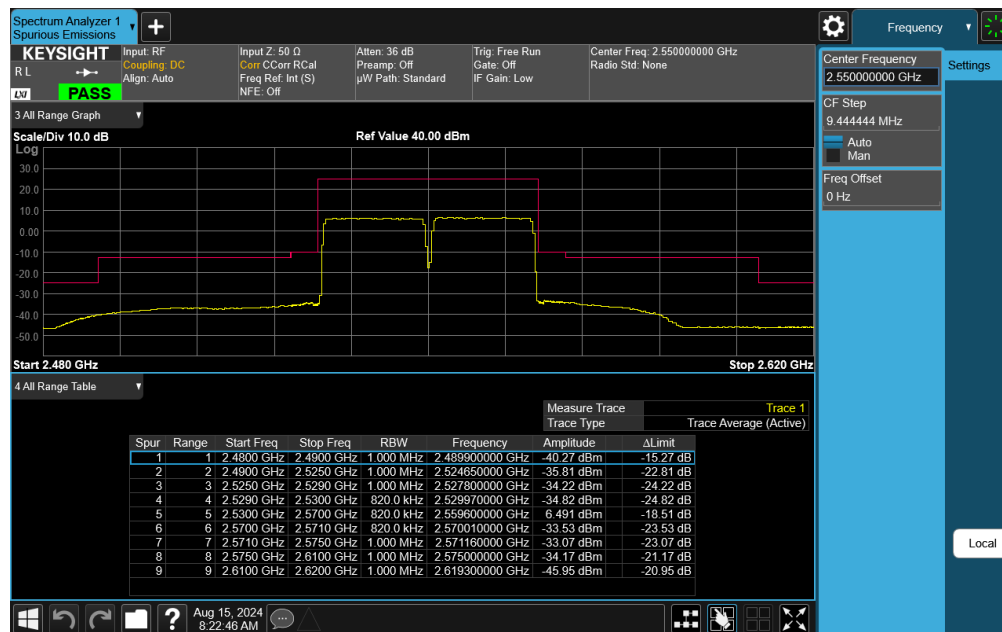


Plot 7-609. Middle ACP Plot (UCLA LTE B7 – (20+20)MHz QPSK - Full RB)

FCC ID: BCGA3269	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-10-R1.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 331 of 427

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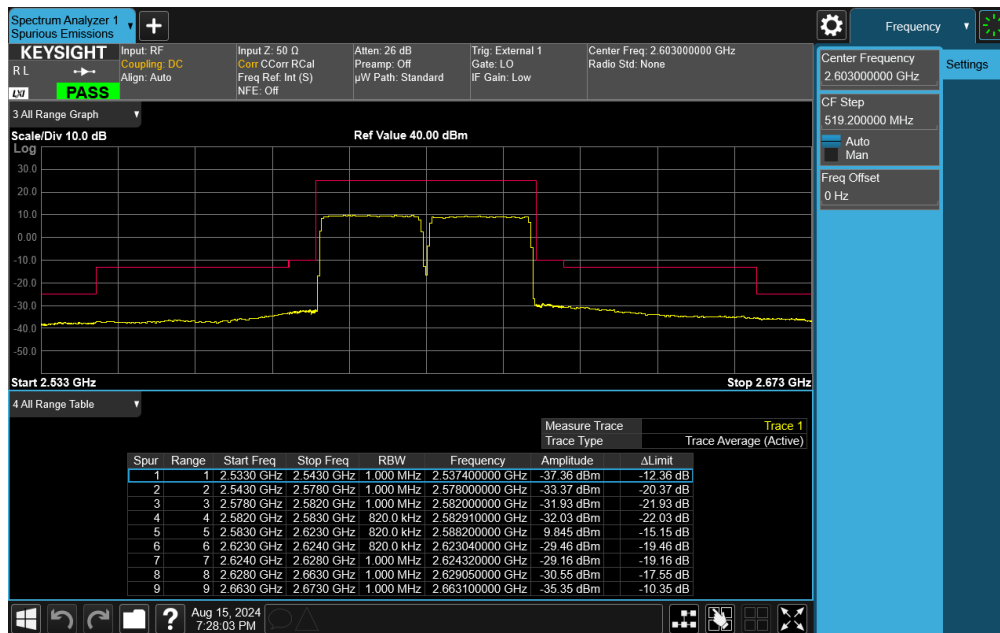
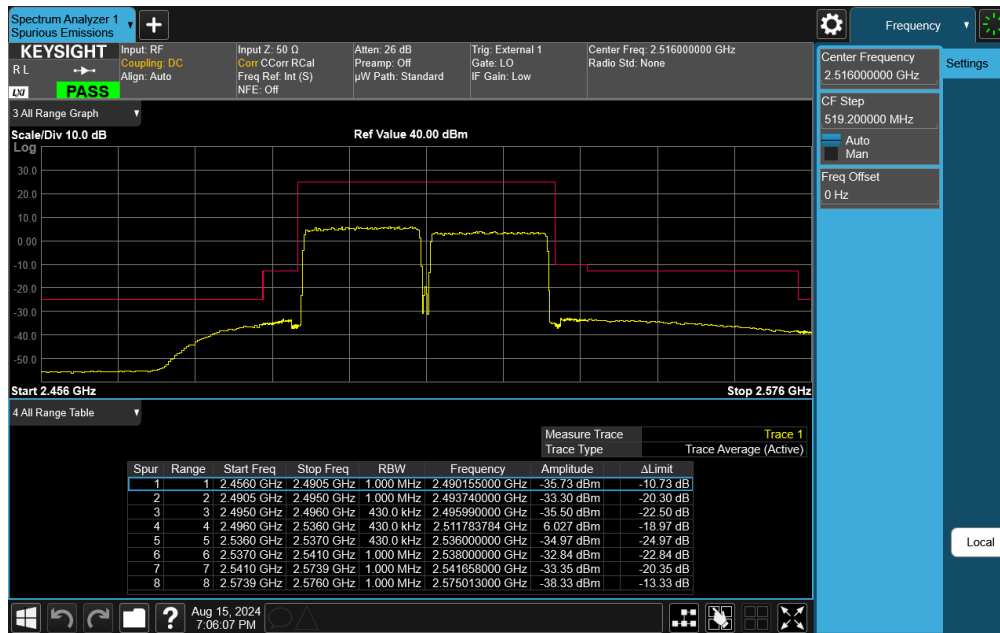
Plot 7-610. Upper ACP Plot (UCLA LTE B7 – (20+20)MHz QPSK - Full RB)

FCC ID: BCGA3269	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-10-R1.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 332 of 427

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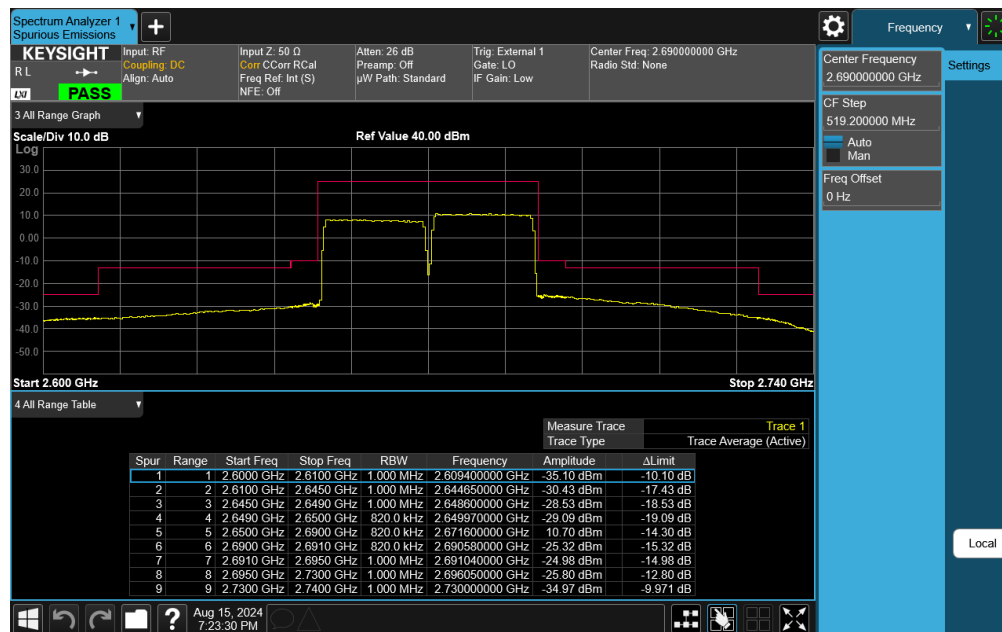
ULCA - LTE Band 41



FCC ID: BCGA3269	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-10-R1.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 333 of 427

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Plot 7-613. Upper ACP Plot (UCLA LTE B41 – (20+20)MHz QPSK - Full RB)

FCC ID: BCGA3269	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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

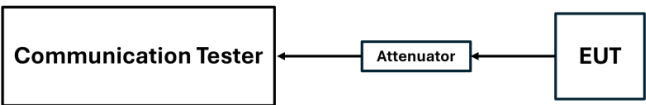


Figure 7-7. Conducted Power Measurement Setup

Test Notes

None.

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Test Case	NS	MCC	MNC	Channel BW [MHz]	Channel Number	Channel Frequency [MHz]	RB Size	RB Offset	A-MPR [dB]	Modulation	MPR [dB]	Measured Power [dBm]	Lowest Typical Power [dBm]	Delta [dB]
1	01	312	530	5	39675	2498.5	1	0	3	QPSK	0	25.69	24.7	0.99
										16-QAM	1	25.23	23.7	1.53
										64-QAM	2	24.35	22.7	1.65
										256-QAM	4	22.46	20.7	1.76
2				5	39675	2498.5	1	9	0	QPSK	0	28.59	27.7	0.89
										16-QAM	1	27.89	26.7	1.19
										64-QAM	2	26.93	25.7	1.23
										256-QAM	4	25.12	23.7	1.42
3				10	39700	2501	1	0	5	QPSK	0	23.59	22.7	0.89
										16-QAM	1	22.96	21.7	1.26
										64-QAM	2	22.02	20.7	1.32
										256-QAM	4	20.12	18.7	1.42
4				10	39700	2501	20	0	2	QPSK	0	26.72	25.7	1.02
										16-QAM	1	25.86	24.7	1.16
										64-QAM	2	24.55	23.7	0.85
										256-QAM	4	22.65	21.7	0.95
5				10	39700	2501	50	0	3	QPSK	0	25.48	24.7	0.78
										16-QAM	1	24.68	23.7	0.98
										64-QAM	2	23.59	22.7	0.89
										256-QAM	4	21.68	20.7	0.98
6				10	39700	2501	25	20	1	QPSK	0	27.66	26.7	0.96
										16-QAM	1	26.84	25.7	1.14
										64-QAM	2	25.56	24.7	0.86
										256-QAM	4	23.67	22.7	0.97
7				10	39700	2501	1	36	0	QPSK	0	28.62	27.7	0.92
										16-QAM	1	27.96	26.7	1.26
										64-QAM	2	26.75	25.7	1.05
										256-QAM	4	24.53	23.7	0.83
8				15	39725	2503.5	1	0	5	QPSK	0	23.56	22.7	0.86
										16-QAM	1	22.84	21.7	1.14
										64-QAM	2	21.78	20.7	1.08
										256-QAM	4	19.56	18.7	0.86
9				15	39725	2503.5	20	0	2	QPSK	0	26.88	25.7	1.18
										16-QAM	1	26.05	24.7	1.35
										64-QAM	2	25.15	23.7	1.45
										256-QAM	4	23.34	21.7	1.64
10				15	39725	2503.5	75	0	4	QPSK	0	24.58	23.7	0.88
										16-QAM	1	23.72	22.7	1.02
										64-QAM	2	22.62	21.7	0.92
										256-QAM	4	20.35	19.7	0.65
11				15	39725	2503.5	50	15	3	QPSK	0	25.56	24.7	0.86
										16-QAM	1	24.85	23.7	1.15
										64-QAM	2	23.49	22.7	0.79
										256-QAM	4	21.64	20.7	0.94
12				15	39725	2503.5	1	60	0	QPSK	0	28.54	27.7	0.84
										16-QAM	1	27.92	26.7	1.22
										64-QAM	2	26.85	25.7	1.15
										256-QAM	4	24.66	23.7	0.96
13				20	39750	2506	1	0	5	QPSK	0	23.69	22.7	0.99
										16-QAM	1	23.02	21.7	1.32
										64-QAM	2	22.15	20.7	1.45
										256-QAM	4	20.08	18.7	1.38
14				20	39750	2506	20	0	2	QPSK	0	26.68	25.7	0.98
										16-QAM	1	26.02	24.7	1.32
										64-QAM	2	25.17	23.7	1.47
										256-QAM	4	23.04	21.7	1.34
15				20	39750	2506	100	0	4	QPSK	0	24.75	23.7	1.05
										16-QAM	1	24.05	22.7	1.35
										64-QAM	2	23.13	21.7	1.43
										256-QAM	4	21.18	19.7	1.48
16				20	39750	2506	75	24	3	QPSK	0	25.68	24.7	0.98
										16-QAM	1	24.98	23.7	1.28
										64-QAM	2	23.72	22.7	1.02
										256-QAM	4	21.56	20.7	0.86
17				20	39750	2506	1	77	0	QPSK	0	28.62	27.7	0.92
										16-QAM	1	27.89	26.7	1.19
										64-QAM	2	26.66	25.7	0.96
										256-QAM	4	24.35	23.7	0.65
18	01	311	490	5	39675	2498.5	1	0	3	QPSK	0	25.78	24.7	1.08
										16-QAM	1	24.96	23.7	1.26
										64-QAM	2	23.85	22.7	1.15
										256-QAM	4	21.67	20.7	0.97
19	01	001	01	5	39675	2498.5	1	0	0	QPSK	0	28.48	27.7	0.78
										16-QAM	1	27.99	26.7	1.29
										64-QAM	2	26.84	25.7	1.14
										256-QAM	4	24.64	23.7	0.94

Table 7-2. A-MPR Conducted Power Measurements

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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7.6 Radiated Power (EIRP)

§27.50(a)(3), §27.50(h)(2)

Test Overview

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

Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.2.1

ANSI C63.26-2015 – Section 5.2.5.5

Test Settings

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

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

Where:

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

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

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

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

Test Setup

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

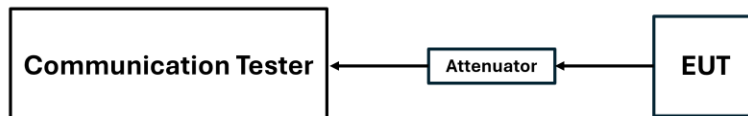


Figure 7-8. EIRP Measurement Setup

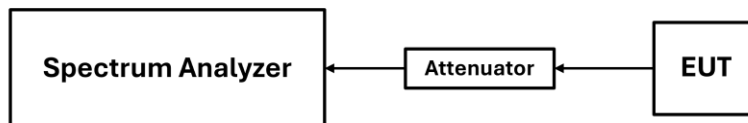


Figure 7-9. EIRP Measurement Setup

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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.

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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	-2.60	1 / 0	25.65	23.05	0.202	23.98	-0.93
		2310.0	-2.60	1 / 12	25.70	23.10	0.204	23.98	-0.88
		2312.5	-2.60	1 / 12	25.63	23.03	0.201	23.98	-0.95
	16-QAM	2312.5	-2.60	1 / 12	24.68	22.08	0.161	23.98	-1.90
	64-QAM	2310.0	-2.60	1 / 0	23.70	21.10	0.129	23.98	-2.88
	256-QAM	2310.0	-2.60	1 / 24	20.78	18.18	0.066	23.98	-5.80
10 MHz	QPSK	2310.0	-2.60	1 / 49	25.58	22.98	0.199	23.98	-1.00
	16-QAM	2310.0	-2.60	1 / 49	24.43	21.83	0.152	23.98	-2.15
	64-QAM	2310.0	-2.60	1 / 0	23.69	21.09	0.129	23.98	-2.89
	256-QAM	2310.0	-2.60	1 / 49	20.68	18.08	0.064	23.98	-5.90

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

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LTE-Band 7

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2502.5	-0.40	1 / 0	25.51	25.11	0.324	33.01	-7.90
		2535.0	-0.40	1 / 0	25.53	25.13	0.326	33.01	-7.88
		2567.5	-0.40	1 / 0	25.68	25.28	0.337	33.01	-7.73
	16-QAM	2567.5	-0.40	1 / 24	24.66	24.26	0.267	33.01	-8.75
	64-QAM	2567.5	-0.40	1 / 0	23.70	23.30	0.214	33.01	-9.71
	256-QAM	2502.5	-0.40	1 / 12	20.79	20.39	0.109	33.01	-12.62
10 MHz	QPSK	2505.0	-0.40	1 / 25	25.70	25.30	0.339	33.01	-7.71
		2535.0	-0.40	1 / 0	25.66	25.26	0.336	33.01	-7.75
		2565.0	-0.40	1 / 25	25.34	24.94	0.312	33.01	-8.07
	16-QAM	2505.0	-0.40	1 / 0	24.53	24.13	0.259	33.01	-8.88
	64-QAM	2565.0	-0.40	1 / 49	23.60	23.20	0.209	33.01	-9.81
	256-QAM	2505.0	-0.40	1 / 49	20.53	20.13	0.103	33.01	-12.88
15 MHz	QPSK	2507.5	-0.40	1 / 74	25.70	25.30	0.339	33.01	-7.71
		2535.0	-0.40	1 / 37	25.40	25.00	0.316	33.01	-8.01
		2562.5	-0.40	1 / 0	25.51	25.11	0.324	33.01	-7.90
	16-QAM	2562.5	-0.40	1 / 74	24.73	24.33	0.271	33.01	-8.68
	64-QAM	2535.0	-0.40	1 / 37	23.73	23.33	0.215	33.01	-9.68
	256-QAM	2507.5	-0.40	1 / 0	20.72	20.32	0.108	33.01	-12.69
20 MHz	QPSK	2510.0	-0.40	1 / 99	25.53	25.13	0.326	33.01	-7.88
		2535.0	-0.40	1 / 0	25.69	25.29	0.338	33.01	-7.72
		2560.0	-0.40	1 / 50	25.68	25.28	0.337	33.01	-7.73
	16-QAM	2535.0	-0.40	1 / 99	24.68	24.28	0.268	33.01	-8.73
	64-QAM	2560.0	-0.40	1 / 50	23.70	23.30	0.214	33.01	-9.71
	256-QAM	2510.0	-0.40	1 / 50	20.78	20.38	0.109	33.01	-12.63

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	0.90	1 / 12	27.70	28.60	0.724	33.01	-4.41
		2593.0	0.90	1 / 24	27.69	28.59	0.723	33.01	-4.42
		2687.5	0.90	1 / 24	27.66	28.56	0.718	33.01	-4.45
	16-QAM	2593.0	0.90	1 / 12	26.69	27.59	0.574	33.01	-5.42
	64-QAM	2593.0	0.90	1 / 24	25.49	26.39	0.436	33.01	-6.62
	256-QAM	2498.5	0.90	1 / 12	22.73	23.63	0.231	33.01	-9.38
10 MHz	QPSK	2501.0	0.90	1 / 49	27.59	28.49	0.706	33.01	-4.52
		2593.0	0.90	1 / 49	27.67	28.57	0.719	33.01	-4.44
		2685.0	0.90	1 / 49	27.62	28.52	0.711	33.01	-4.49
	16-QAM	2685.0	0.90	1 / 49	26.75	27.65	0.582	33.01	-5.36
	64-QAM	2593.0	0.90	1 / 49	25.73	26.63	0.460	33.01	-6.38
	256-QAM	2501.0	0.90	1 / 25	25.70	26.60	0.457	33.01	-6.41
15 MHz	QPSK	2503.5	0.90	1 / 74	27.70	28.60	0.724	33.01	-4.41
		2593.0	0.90	1 / 37	27.63	28.53	0.713	33.01	-4.48
		2682.5	0.90	1 / 74	27.41	28.31	0.678	33.01	-4.70
	16-QAM	2503.5	0.90	1 / 74	26.75	27.65	0.582	33.01	-5.36
	64-QAM	2593.0	0.90	1 / 74	25.62	26.52	0.449	33.01	-6.49
	256-QAM	2682.5	0.90	1 / 74	22.82	23.72	0.236	33.01	-9.29
20 MHz	QPSK	2506.0	0.90	1 / 50	27.70	28.60	0.724	33.01	-4.41
		2593.0	0.90	1 / 99	27.53	28.43	0.697	33.01	-4.58
		2680.0	0.90	1 / 50	27.47	28.37	0.687	33.01	-4.64
	16-QAM	2680.0	0.90	1 / 50	26.70	27.60	0.575	33.01	-5.41
	64-QAM	2680.0	0.90	1 / 99	25.64	26.54	0.451	33.01	-6.47
	256-QAM	2506.0	0.90	1 / 50	22.81	23.71	0.235	33.01	-9.30

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

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE-Band 41 (PC3)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2498.5	0.90	1 / 0	25.63	26.53	0.450	33.01	-6.48
		2593.0	0.90	1 / 24	25.68	26.58	0.455	33.01	-6.43
		2687.5	0.90	1 / 12	25.65	26.55	0.452	33.01	-6.46
	16-QAM	2687.5	0.90	1 / 12	24.72	25.62	0.365	33.01	-7.39
	64-QAM	2687.5	0.90	1 / 24	23.71	24.61	0.289	33.01	-8.40
	256-QAM	2498.5	0.90	1 / 24	20.81	21.71	0.148	33.01	-11.30
10 MHz	QPSK	2501.0	0.90	1 / 0	25.66	26.56	0.453	33.01	-6.45
		2593.0	0.90	1 / 49	25.54	26.44	0.441	33.01	-6.57
		2685.0	0.90	1 / 25	25.59	26.49	0.446	33.01	-6.52
	16-QAM	2685.0	0.90	1 / 49	24.70	25.60	0.363	33.01	-7.41
	64-QAM	2501.0	0.90	1 / 0	23.62	24.52	0.283	33.01	-8.49
	256-QAM	2685.0	0.90	1 / 0	20.81	21.71	0.148	33.01	-11.30
15 MHz	QPSK	2503.5	0.90	1 / 74	25.64	26.54	0.451	33.01	-6.47
		2593.0	0.90	1 / 74	25.49	26.39	0.436	33.01	-6.62
		2682.5	0.90	1 / 37	25.70	26.60	0.457	33.01	-6.41
	16-QAM	2682.5	0.90	1 / 0	24.70	25.60	0.363	33.01	-7.41
	64-QAM	2503.5	0.90	1 / 74	23.68	24.58	0.287	33.01	-8.43
	256-QAM	2593.0	0.90	1 / 0	20.79	21.69	0.148	33.01	-11.32
20 MHz	QPSK	2506.0	0.90	1 / 50	25.65	26.55	0.452	33.01	-6.46
		2593.0	0.90	1 / 0	25.60	26.50	0.447	33.01	-6.51
		2680.0	0.90	1 / 50	25.66	26.56	0.453	33.01	-6.45
	16-QAM	2506.0	0.90	1 / 0	24.75	25.65	0.367	33.01	-7.36
	64-QAM	2680.0	0.90	1 / 0	23.73	24.63	0.290	33.01	-8.38
	256-QAM	2593.0	0.90	1 / 0	20.79	21.69	0.148	33.01	-11.32

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

FCC ID: BCGA3269	 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	$\pi/2$ BPSK	2307.5	-2.60	25 / 0	25.23	22.63	0.183	23.98	-1.35
		2310.0	-2.60	25 / 0	25.21	22.61	0.182	23.98	-1.37
		2312.5	-2.60	25 / 0	25.31	22.71	0.187	23.98	-1.27
	QPSK	2307.5	-2.60	25 / 0	25.19	22.59	0.182	23.98	-1.39
		2310.0	-2.60	25 / 0	25.02	22.42	0.175	23.98	-1.56
		2312.5	-2.60	25 / 0	25.09	22.49	0.177	23.98	-1.49
	16-QAM	2307.5	-2.60	25 / 0	23.86	21.26	0.134	23.98	-2.72
	64-QAM	2310.0	-2.60	25 / 0	22.61	20.01	0.100	23.98	-3.97
	256-QAM	2307.5	-2.60	25 / 0	19.34	16.74	0.047	23.98	-7.24
10 MHz	$\pi/2$ BPSK	2310.0	-2.60	50 / 0	25.23	22.63	0.183	23.98	-1.35
	QPSK	2310.0	-2.60	50 / 0	24.96	22.36	0.172	23.98	-1.62
	16-QAM	2310.0	-2.60	50 / 0	23.86	21.26	0.134	23.98	-2.72
	64-QAM	2310.0	-2.60	50 / 0	22.69	20.09	0.102	23.98	-3.89
	256-QAM	2310.0	-2.60	50 / 0	19.73	17.13	0.052	23.98	-6.85

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

FCC ID: BCGA3269	 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	-0.40	1 / 1	25.60	25.20	0.331	33.01	-7.81
		2535.0	-0.40	1 / 1	25.70	25.30	0.339	33.01	-7.71
		2567.5	-0.40	1 / 1	25.69	25.29	0.338	33.01	-7.72
	QPSK	2502.5	-0.40	1 / 12	25.58	25.18	0.330	33.01	-7.83
		2535.0	-0.40	1 / 1	25.51	25.11	0.324	33.01	-7.90
		2567.5	-0.40	1 / 12	25.66	25.26	0.336	33.01	-7.75
	16-QAM	2567.5	-0.40	1 / 12	24.66	24.26	0.267	33.01	-8.75
	64-QAM	2502.5	-0.40	1 / 12	23.71	23.31	0.214	33.01	-9.70
256-QAM	2502.5	-0.40	1 / 23	20.76	20.36	0.109	33.01	-12.65	
10 MHz	π/2 BPSK	2505.0	-0.40	1 / 50	25.70	25.30	0.339	33.01	-7.71
		2535.0	-0.40	1 / 1	25.63	25.23	0.333	33.01	-7.78
		2565.0	-0.40	1 / 1	25.63	25.23	0.333	33.01	-7.78
	QPSK	2505.0	-0.40	1 / 50	25.58	25.18	0.330	33.01	-7.83
		2535.0	-0.40	1 / 25	25.57	25.17	0.329	33.01	-7.84
		2565.0	-0.40	1 / 1	25.64	25.24	0.334	33.01	-7.77
	16-QAM	2505.0	-0.40	1 / 1	24.65	24.25	0.266	33.01	-8.76
	64-QAM	2505.0	-0.40	1 / 25	23.72	23.32	0.215	33.01	-9.69
256-QAM	2505.0	-0.40	1 / 1	20.81	20.41	0.110	33.01	-12.60	
15 MHz	π/2 BPSK	2507.5	-0.40	1 / 36	25.70	25.30	0.339	33.01	-7.71
		2535.0	-0.40	1 / 1	25.42	25.02	0.318	33.01	-7.99
		2562.5	-0.40	1 / 36	25.59	25.19	0.330	33.01	-7.82
	QPSK	2507.5	-0.40	1 / 77	25.47	25.07	0.321	33.01	-7.94
		2535.0	-0.40	1 / 1	25.58	25.18	0.330	33.01	-7.83
		2562.5	-0.40	1 / 1	25.67	25.27	0.337	33.01	-7.74
	16-QAM	2562.5	-0.40	1 / 77	24.69	24.29	0.269	33.01	-8.72
	64-QAM	2562.5	-0.40	1 / 36	23.67	23.27	0.212	33.01	-9.74
256-QAM	2562.5	-0.40	1 / 1	20.79	20.39	0.109	33.01	-12.62	
20 MHz	π/2 BPSK	2510.0	-0.40	1 / 1	25.58	25.18	0.330	33.01	-7.83
		2535.0	-0.40	1 / 1	25.64	25.24	0.334	33.01	-7.77
		2560.0	-0.40	1 / 1	25.69	25.29	0.338	33.01	-7.72
	QPSK	2510.0	-0.40	1 / 104	25.65	25.25	0.335	33.01	-7.76
		2535.0	-0.40	1 / 50	25.58	25.18	0.330	33.01	-7.83
		2560.0	-0.40	1 / 50	25.70	25.30	0.339	33.01	-7.71
	16-QAM	2560.0	-0.40	1 / 50	24.65	24.25	0.266	33.01	-8.76
	64-QAM	2535.0	-0.40	1 / 104	23.69	23.29	0.213	33.01	-9.72
256-QAM	2560.0	-0.40	1 / 50	20.79	20.39	0.109	33.01	-12.62	
25 MHz	π/2 BPSK	2512.5	-0.40	1 / 131	25.70	25.30	0.339	33.01	-7.71
		2535.0	-0.40	1 / 64	25.53	25.13	0.326	33.01	-7.88
		2557.5	-0.40	1 / 131	25.62	25.22	0.333	33.01	-7.79
	QPSK	2512.5	-0.40	1 / 1	25.70	25.30	0.339	33.01	-7.71
		2535.0	-0.40	1 / 1	25.65	25.25	0.335	33.01	-7.76
		2557.5	-0.40	1 / 131	25.52	25.12	0.325	33.01	-7.89
	16-QAM	2512.5	-0.40	1 / 64	24.67	24.27	0.267	33.01	-8.74
	64-QAM	2535.0	-0.40	1 / 1	23.67	23.27	0.212	33.01	-9.74
256-QAM	2512.5	-0.40	1 / 64	20.81	20.41	0.110	33.01	-12.60	
30 MHz	π/2 BPSK	2515.0	-0.40	1 / 1	25.59	25.19	0.330	33.01	-7.82
		2535.0	-0.40	1 / 80	25.42	25.02	0.318	33.01	-7.99
		2555.0	-0.40	1 / 80	25.53	25.13	0.326	33.01	-7.88
	QPSK	2515.0	-0.40	1 / 158	25.53	25.13	0.326	33.01	-7.88
		2535.0	-0.40	1 / 158	25.70	25.30	0.339	33.01	-7.71
		2555.0	-0.40	1 / 158	25.63	25.23	0.333	33.01	-7.78
	16-QAM	2555.0	-0.40	1 / 80	24.71	24.31	0.270	33.01	-8.70
	64-QAM	2515.0	-0.40	1 / 158	23.67	23.27	0.212	33.01	-9.74
256-QAM	2515.0	-0.40	1 / 80	20.76	20.36	0.109	33.01	-12.65	
35 MHz	π/2 BPSK	2517.5	-0.40	1 / 186	25.61	25.21	0.332	33.01	-7.80
		2535.0	-0.40	1 / 1	25.70	25.30	0.339	33.01	-7.71
		2552.5	-0.40	1 / 186	25.55	25.15	0.327	33.01	-7.86
	QPSK	2517.5	-0.40	1 / 1	25.58	25.18	0.330	33.01	-7.83
		2535.0	-0.40	1 / 93	25.68	25.28	0.337	33.01	-7.73
		2552.5	-0.40	1 / 93	25.68	25.28	0.337	33.01	-7.73
	16-QAM	2517.5	-0.40	1 / 1	24.64	24.24	0.265	33.01	-8.77
	64-QAM	2517.5	-0.40	1 / 1	23.66	23.26	0.212	33.01	-9.75
256-QAM	2517.5	-0.40	1 / 93	20.72	20.32	0.108	33.01	-12.69	
40 MHz	π/2 BPSK	2520.0	-0.40	1 / 1	25.45	25.05	0.320	33.01	-7.96
		2535.0	-0.40	1 / 108	25.69	25.29	0.338	33.01	-7.72
		2550.0	-0.40	1 / 1	25.70	25.30	0.339	33.01	-7.71
	QPSK	2520.0	-0.40	1 / 108	25.56	25.16	0.328	33.01	-7.85
		2535.0	-0.40	1 / 108	25.55	25.15	0.327	33.01	-7.86
		2550.0	-0.40	1 / 1	25.63	25.23	0.333	33.01	-7.78
	16-QAM	2520.0	-0.40	1 / 108	24.69	24.29	0.269	33.01	-8.72
	64-QAM	2520.0	-0.40	1 / 214	23.70	23.30	0.214	33.01	-9.71
256-QAM	2535.0	-0.40	1 / 108	20.78	20.38	0.109	33.01	-12.63	

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

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-10-R1.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 344 of 427

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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]	
10 MHz	π/2 BPSK	2501.0	0.90	1 / 22	27.21	28.11	0.647	33.01	-4.90	
		2593.0	0.90	1 / 12	27.53	28.43	0.697	33.01	-4.58	
		2685.0	0.90	1 / 22	27.70	28.60	0.724	33.01	-4.41	
		2501.0	0.90	1 / 22	27.22	28.12	0.649	33.01	-4.89	
		2593.0	0.90	1 / 22	27.61	28.51	0.709	33.01	-4.50	
	QPSK	2685.0	0.90	1 / 22	27.68	28.58	0.721	33.01	-4.43	
		2593.0	0.90	1 / 12	26.66	27.56	0.571	33.01	-5.45	
		64-QAM	2685.0	0.90	1 / 12	25.26	26.16	0.413	33.01	-6.85
		256-QAM	2685.0	0.90	1 / 22	23.06	23.96	0.249	33.01	-9.05
		2503.5	0.90	1 / 18	27.25	28.15	0.654	33.01	-4.86	
15 MHz	π/2 BPSK	2593.0	0.90	1 / 36	27.66	28.56	0.718	33.01	-4.45	
		2682.5	0.90	1 / 36	27.66	28.56	0.717	33.01	-4.45	
		2503.5	0.90	1 / 36	27.27	28.17	0.657	33.01	-4.84	
		2593.0	0.90	1 / 18	27.64	28.54	0.715	33.01	-4.47	
		2682.5	0.90	1 / 18	27.70	28.60	0.724	33.01	-4.41	
	QPSK	2593.0	0.90	1 / 36	26.81	27.71	0.591	33.01	-5.30	
		64-QAM	2593.0	0.90	1 / 36	25.20	26.10	0.408	33.01	-6.91
		256-QAM	2682.5	0.90	1 / 36	23.15	24.05	0.254	33.01	-8.96
		2506.0	0.90	1 / 49	27.28	28.18	0.658	33.01	-4.83	
		2593.0	0.90	1 / 25	27.64	28.54	0.714	33.01	-4.47	
20 MHz	π/2 BPSK	2680.0	0.90	1 / 49	27.61	28.51	0.710	33.01	-4.50	
		2506.0	0.90	1 / 49	27.24	28.14	0.652	33.01	-4.87	
		2593.0	0.90	1 / 25	27.70	28.60	0.724	33.01	-4.41	
	QPSK	2680.0	0.90	1 / 25	27.57	28.47	0.703	33.01	-4.54	
		2593.0	0.90	1 / 25	26.67	27.57	0.571	33.01	-5.44	
16-QAM	2680.0	0.90	1 / 49	25.13	26.03	0.401	33.01	-6.98		
64-QAM	2680.0	0.90	1 / 49	23.09	23.99	0.250	33.01	-9.02		
30 MHz	π/2 BPSK	2511.0	0.90	1 / 76	27.36	28.26	0.670	33.01	-4.75	
		2593.0	0.90	1 / 76	27.63	28.53	0.713	33.01	-4.48	
		2675.0	0.90	1 / 76	27.70	28.60	0.724	33.01	-4.41	
		2511.0	0.90	1 / 36	27.33	28.23	0.666	33.01	-4.78	
		2593.0	0.90	1 / 76	27.69	28.59	0.723	33.01	-4.42	
	QPSK	2675.0	0.90	1 / 76	27.65	28.55	0.716	33.01	-4.46	
		2593.0	0.90	1 / 76	26.78	27.68	0.587	33.01	-5.33	
		64-QAM	2675.0	0.90	1 / 76	25.06	25.96	0.395	33.01	-7.05
		256-QAM	2675.0	0.90	1 / 76	23.25	24.15	0.260	33.01	-8.86
		2516.0	0.90	1 / 50	27.33	28.23	0.665	33.01	-4.78	
40 MHz	π/2 BPSK	2593.0	0.90	1 / 104	27.64	28.54	0.715	33.01	-4.47	
		2670.0	0.90	1 / 104	27.68	28.58	0.721	33.01	-4.43	
		2516.0	0.90	1 / 104	27.33	28.23	0.666	33.01	-4.78	
		2593.0	0.90	1 / 104	27.63	28.53	0.713	33.01	-4.48	
		2670.0	0.90	1 / 104	27.70	28.60	0.724	33.01	-4.41	
	QPSK	2593.0	0.90	1 / 104	26.89	27.79	0.601	33.01	-5.22	
		16-QAM	2670.0	0.90	1 / 104	25.22	26.12	0.409	33.01	-6.89
		256-QAM	2593.0	0.90	1 / 50	23.60	24.50	0.282	33.01	-8.51
		2521.0	0.90	1 / 131	27.18	28.08	0.642	33.01	-4.93	
		2593.0	0.90	1 / 131	27.70	28.60	0.724	33.01	-4.41	
50 MHz	π/2 BPSK	2665.0	0.90	1 / 131	27.67	28.57	0.719	33.01	-4.44	
		2521.0	0.90	1 / 131	27.25	28.15	0.654	33.01	-4.86	
		2593.0	0.90	1 / 131	27.62	28.52	0.710	33.01	-4.49	
		2665.0	0.90	1 / 64	27.53	28.43	0.697	33.01	-4.58	
		16-QAM	2593.0	0.90	1 / 131	26.76	27.66	0.583	33.01	-5.35
	QPSK	64-QAM	2665.0	0.90	1 / 131	25.27	26.17	0.414	33.01	-6.84
		256-QAM	2665.0	0.90	1 / 131	23.23	24.13	0.259	33.01	-8.88
		2526.0	0.90	1 / 160	27.12	28.02	0.635	33.01	-4.99	
		2593.0	0.90	1 / 81	27.67	28.57	0.720	33.01	-4.44	
		2660.0	0.90	1 / 160	27.65	28.55	0.716	33.01	-4.46	
60 MHz	π/2 BPSK	2526.0	0.90	1 / 81	27.19	28.09	0.644	33.01	-4.92	
		2593.0	0.90	1 / 81	27.70	28.60	0.724	33.01	-4.41	
		2660.0	0.90	1 / 81	27.52	28.42	0.696	33.01	-4.59	
		16-QAM	2593.0	0.90	1 / 81	26.76	27.66	0.583	33.01	-5.35
		64-QAM	2593.0	0.90	1 / 81	25.20	26.10	0.408	33.01	-6.91
	QPSK	256-QAM	2660.0	0.90	1 / 160	23.28	24.18	0.262	33.01	-8.83
		2531.0	0.90	1 / 90	27.70	28.60	0.724	33.01	-4.41	
		2593.0	0.90	1 / 90	27.56	28.46	0.702	33.01	-4.55	
		2655.0	0.90	1 / 187	27.66	28.56	0.717	33.01	-4.45	
		2531.0	0.90	1 / 187	27.64	28.54	0.715	33.01	-4.47	
70 MHz	π/2 BPSK	2593.0	0.90	1 / 90	27.46	28.36	0.686	33.01	-4.65	
		2655.0	0.90	1 / 90	27.45	28.35	0.683	33.01	-4.66	
		2531.0	0.90	1 / 187	26.72	27.62	0.578	33.01	-5.39	
		64-QAM	2655.0	0.90	1 / 90	25.13	26.03	0.401	33.01	-6.98
		256-QAM	2531.0	0.90	1 / 187	22.98	23.88	0.244	33.01	-9.13
	QPSK	2536.0	0.90	1 / 108	27.70	28.60	0.724	33.01	-4.41	
		2593.0	0.90	1 / 108	27.41	28.31	0.678	33.01	-4.70	
		2650.0	0.90	1 / 215	27.44	28.34	0.682	33.01	-4.67	
		2536.0	0.90	1 / 108	27.49	28.39	0.690	33.01	-4.62	
		2593.0	0.90	1 / 108	27.47	28.37	0.687	33.01	-4.64	
80 MHz	π/2 BPSK	2650.0	0.90	1 / 215	27.60	28.50	0.709	33.01	-4.51	
		2593.0	0.90	1 / 108	27.47	28.37	0.687	33.01	-4.64	
		2536.0	0.90	1 / 215	22.80	23.70	0.235	33.01	-9.31	
		2541.0	0.90	1 / 120	27.59	28.49	0.706	33.01	-4.52	
		2593.0	0.90	1 / 243	27.51	28.41	0.693	33.01	-4.60	
	QPSK	2645.0	0.90	1 / 243	27.58	28.48	0.704	33.01	-4.53	
		2541.0	0.90	1 / 243	27.64	28.54	0.714	33.01	-4.47	
		2593.0	0.90	1 / 120	27.61	28.51	0.710	33.01	-4.50	
		2645.0	0.90	1 / 120	27.49	28.39	0.691	33.01	-4.62	
		16-QAM	2541.0	0.90	1 / 120	26.69	27.59	0.574	33.01	-5.42
90 MHz	π/2 BPSK	64-QAM	2541.0	0.90	1 / 120	25.30	26.20	0.417	33.01	-6.81
		256-QAM	2541.0	0.90	1 / 243	22.95	23.85	0.243	33.01	-9.16
		2546.0	0.90	1 / 271	27.54	28.44	0.699	33.01	-4.57	
		2593.0	0.90	1 / 271	27.54	28.44	0.699	33.01	-4.57	
		2640.0	0.90	1 / 135	27.48	28.38	0.689	33.01	-4.63	
	QPSK	2546.0	0.90	1 / 271	27.45	28.35	0.684	33.01	-4.66	
		2593.0	0.90	1 / 135	27.51	28.41	0.693	33.01	-4.60	
		2640.0	0.90	1 / 135	27.61	28.51	0.709	33.01	-4.50	
		16-QAM	2593.0	0.90	1 / 135	26.73	27.63	0.579	33.01	-5.38
		64-QAM	2546.0	0.90	1 / 135	25.32	26.22	0.419	33.01	-6.79
256-QAM	2546.0	0.90	1 / 271	23.07	23.97	0.249	33.01	-9.05		

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

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-10-R1.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 345 of 427

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NR Band n41(PC3)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]		
10 MHz	11/2 BPSK	2501.0	0.90	1 / 12	25.66	26.56	0.453	33.01	-6.45		
		2593.0	0.90	1 / 12	25.39	26.29	0.426	33.01	-6.72		
		2685.0	0.90	1 / 12	25.45	26.35	0.431	33.01	-6.66		
		2501.0	0.90	1 / 12	25.70	26.60	0.457	33.01	-6.41		
		2593.0	0.90	1 / 12	25.42	26.32	0.429	33.01	-6.69		
	QPSK	2685.0	0.90	1 / 12	25.38	26.28	0.425	33.01	-6.73		
		2593.0	0.90	1 / 12	24.88	25.78	0.378	33.01	-7.23		
		64-QAM	2685.0	0.90	1 / 22	23.46	24.36	0.273	33.01	-8.65	
		256-QAM	2501.0	0.90	1 / 22	21.49	22.39	0.173	33.01	-10.62	
		15 MHz	11/2 BPSK	2503.5	0.90	1 / 36	25.52	26.42	0.439	33.01	-6.59
2593.0	0.90			1 / 36	25.49	26.39	0.436	33.01	-6.62		
2682.5	0.90			1 / 36	25.46	26.36	0.433	33.01	-6.65		
2503.5	0.90			1 / 36	25.57	26.47	0.443	33.01	-6.54		
2593.0	0.90			1 / 18	25.51	26.41	0.438	33.01	-6.60		
QPSK	2682.5		0.90	1 / 36	25.52	26.42	0.439	33.01	-6.59		
	16-QAM		2503.5	0.90	1 / 18	24.74	25.64	0.366	33.01	-7.37	
	64-QAM		2503.5	0.90	1 / 18	23.16	24.06	0.255	33.01	-8.95	
	256-QAM		2503.5	0.90	1 / 36	21.17	22.07	0.161	33.01	-10.94	
	2506.0		0.90	1 / 25	25.64	26.54	0.451	33.01	-6.47		
20 MHz	11/2 BPSK	2593.0	0.90	1 / 49	25.58	26.48	0.445	33.01	-6.53		
		2680.0	0.90	1 / 49	25.44	26.34	0.431	33.01	-6.67		
		2506.0	0.90	1 / 49	25.64	26.54	0.451	33.01	-6.47		
		2593.0	0.90	1 / 49	25.55	26.45	0.442	33.01	-6.56		
		2680.0	0.90	1 / 49	25.53	26.43	0.439	33.01	-6.58		
	QPSK	16-QAM	2506.0	0.90	1 / 25	24.77	25.67	0.369	33.01	-7.34	
		64-QAM	2506.0	0.90	1 / 25	23.05	23.95	0.249	33.01	-9.06	
		256-QAM	2506.0	0.90	1 / 49	21.26	22.16	0.164	33.01	-10.85	
		30 MHz	11/2 BPSK	2511.0	0.90	1 / 76	25.62	26.52	0.449	33.01	-6.49
				2593.0	0.90	1 / 76	25.53	26.43	0.439	33.01	-6.58
2675.0	0.90			1 / 76	25.49	26.39	0.435	33.01	-6.62		
QPSK	2511.0			0.90	1 / 76	25.69	26.59	0.456	33.01	-6.42	
	2593.0			0.90	1 / 76	25.47	26.37	0.434	33.01	-6.64	
	2675.0	0.90	1 / 76	25.47	26.37	0.433	33.01	-6.64			
16-QAM	2675.0	0.90	1 / 76	24.70	25.60	0.363	33.01	-7.41			
	64-QAM	2511.0	0.90	1 / 76	23.22	24.12	0.259	33.01	-8.89		
	256-QAM	2511.0	0.90	1 / 76	21.29	22.19	0.165	33.01	-10.82		
	40 MHz	11/2 BPSK	2516.0	0.90	1 / 104	25.57	26.47	0.444	33.01	-6.54	
			2593.0	0.90	1 / 104	25.39	26.29	0.426	33.01	-6.72	
2670.0			0.90	1 / 104	25.48	26.38	0.434	33.01	-6.63		
2516.0			0.90	1 / 104	25.65	26.55	0.452	33.01	-6.46		
2593.0			0.90	1 / 104	25.38	26.28	0.424	33.01	-6.73		
QPSK		2670.0	0.90	1 / 104	25.42	26.32	0.429	33.01	-6.69		
		16-QAM	2516.0	0.90	1 / 104	24.48	25.38	0.345	33.01	-7.63	
		64-QAM	2516.0	0.90	1 / 104	23.05	23.95	0.248	33.01	-9.06	
		256-QAM	2516.0	0.90	1 / 104	21.21	22.11	0.162	33.01	-10.90	
		50 MHz	11/2 BPSK	2521.0	0.90	1 / 131	25.63	26.53	0.449	33.01	-6.48
2593.0	0.90			1 / 131	25.60	26.50	0.446	33.01	-6.51		
2665.0	0.90			1 / 131	25.58	26.48	0.444	33.01	-6.53		
2521.0	0.90			1 / 131	25.70	26.60	0.457	33.01	-6.41		
2593.0	0.90			1 / 131	25.65	26.55	0.452	33.01	-6.46		
QPSK	2665.0		0.90	1 / 131	25.61	26.51	0.447	33.01	-6.50		
	16-QAM		2593.0	0.90	1 / 131	24.80	25.70	0.372	33.01	-7.31	
	64-QAM		2521.0	0.90	1 / 131	23.25	24.15	0.260	33.01	-8.86	
	256-QAM		2521.0	0.90	1 / 64	21.23	22.13	0.163	33.01	-10.88	
	60 MHz		11/2 BPSK	2526.0	0.90	1 / 81	25.52	26.42	0.439	33.01	-6.59
2593.0		0.90		1 / 81	25.53	26.43	0.439	33.01	-6.58		
2660.0		0.90		1 / 160	25.53	26.43	0.440	33.01	-6.58		
2526.0		0.90		1 / 81	25.70	26.60	0.457	33.01	-6.41		
2593.0		0.90		1 / 81	25.56	26.46	0.443	33.01	-6.55		
QPSK		2660.0	0.90	1 / 160	25.48	26.38	0.434	33.01	-6.63		
		16-QAM	2593.0	0.90	1 / 81	24.89	25.79	0.379	33.01	-7.22	
		64-QAM	2526.0	0.90	1 / 160	23.09	23.99	0.251	33.01	-9.02	
		256-QAM	2526.0	0.90	1 / 160	21.20	22.10	0.162	33.01	-10.91	
		70 MHz	11/2 BPSK	2531.0	0.90	1 / 90	25.57	26.47	0.443	33.01	-6.54
2593.0	0.90			1 / 90	25.39	26.29	0.425	33.01	-6.73		
2655.0	0.90			1 / 187	25.35	26.25	0.422	33.01	-6.76		
2531.0	0.90			1 / 90	25.54	26.44	0.440	33.01	-6.57		
2593.0	0.90			1 / 187	25.68	26.58	0.455	33.01	-6.43		
QPSK	2655.0		0.90	1 / 187	25.47	26.37	0.434	33.01	-6.64		
	16-QAM		2593.0	0.90	1 / 90	24.71	25.61	0.364	33.01	-7.40	
	64-QAM		2531.0	0.90	1 / 187	23.04	23.94	0.248	33.01	-9.07	
	256-QAM		2531.0	0.90	1 / 90	21.12	22.02	0.159	33.01	-10.99	
	80 MHz		11/2 BPSK	2536.0	0.90	1 / 108	25.68	26.58	0.455	33.01	-6.43
2593.0		0.90		1 / 108	25.50	26.40	0.437	33.01	-6.61		
2650.0		0.90		1 / 108	25.54	26.44	0.440	33.01	-6.57		
2536.0		0.90		1 / 108	25.54	26.44	0.440	33.01	-6.57		
2593.0		0.90		1 / 108	25.51	26.41	0.438	33.01	-6.60		
QPSK		2650.0	0.90	1 / 108	25.50	26.40	0.437	33.01	-6.61		
		16-QAM	2593.0	0.90	1 / 108	24.59	25.49	0.354	33.01	-7.52	
		64-QAM	2650.0	0.90	1 / 215	23.12	24.02	0.252	33.01	-8.99	
		256-QAM	2536.0	0.90	1 / 108	21.08	21.98	0.158	33.01	-11.03	
		90 MHz	11/2 BPSK	2541.0	0.90	1 / 120	25.56	26.46	0.443	33.01	-6.55
2593.0	0.90			1 / 243	25.43	26.33	0.430	33.01	-6.68		
2645.0	0.90			1 / 120	25.46	26.36	0.433	33.01	-6.65		
2541.0	0.90			1 / 120	25.58	26.48	0.445	33.01	-6.53		
2593.0	0.90			1 / 120	25.61	26.51	0.448	33.01	-6.50		
QPSK	2645.0		0.90	1 / 243	25.48	26.38	0.435	33.01	-6.63		
	16-QAM		2541.0	0.90	1 / 243	24.71	25.61	0.364	33.01	-7.40	
	64-QAM		2541.0	0.90	1 / 243	23.16	24.06	0.255	33.01	-8.95	
	256-QAM		2645.0	0.90	1 / 243	21.13	22.03	0.159	33.01	-10.98	
	100 MHz		11/2 BPSK	2546.0	0.90	1 / 135	25.63	26.53	0.450	33.01	-6.48
2593.0		0.90		1 / 271	25.63	26.53	0.450	33.01	-6.48		
2640.0		0.90		1 / 135	25.45	26.35	0.432	33.01	-6.66		
2546.0		0.90		1 / 135	25.53	26.43	0.440	33.01	-6.58		
2593.0		0.90		1 / 135	25.51	26.41	0.438	33.01	-6.60		
QPSK		2640.0	0.90	1 / 271	24.65	25.55	0.359	33.01	-7.46		
		16-QAM	2546.0	0.90	1 / 271	23.06	23.96	0.249	33.01	-9.05	
		64-QAM	2546.0	0.90	1 / 271	21.06	21.96	0.157	33.01	-11.05	

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

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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ULCA LTE 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	25.42	-0.40	25.02	0.318	33.01	-7.99
				21100	2535.0	1	99		21298	2549.8	1	0	25.58	-0.40	25.18	0.330	33.01	-7.83
			QPSK	21350	2560.0	1	0	QPSK	21152	2540.2	1	99	25.35	-0.40	24.95	0.313	33.01	-8.06
				21100	2535	100	0		21298	2554.8	100	0	24.12	-0.40	23.72	0.236	33.01	-9.29
			16-QAM	21100	2535	100	0	16-QAM	21298	2554.8	100	0	23.32	-0.40	22.92	0.196	33.01	-10.09
			64-QAM	21100	2535	100	0	64-QAM	21298	2554.8	100	0	22.19	-0.40	21.79	0.151	33.01	-11.22
			256-QAM	21100	2535	100	0	256-QAM	21298	2554.8	100	0	20.06	-0.40	19.66	0.092	33.01	-13.35

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

ULCA LTE 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	27.42	0.90	28.32	0.679	33.01	-4.69
				40620	2593.0	1	99		40818	2612.8	1	0	27.49	0.90	28.39	0.690	33.01	-4.62
				41490	2680.0	1	0		41292	2660.2	1	99	27.51	0.90	28.41	0.693	33.01	-4.60
			QPSK	41490	2680	100	0	QPSK	41292	2660.2	100	0	25.49	0.90	26.39	0.426	33.01	-6.62
			16-QAM	41490	2680	100	0	16-QAM	41292	2660.2	100	0	24.53	0.90	25.43	0.349	33.01	-7.58
			64-QAM	41490	2680	100	0	64-QAM	41292	2660.2	100	0	24.12	0.90	25.02	0.318	33.01	-7.99
			256-QAM	41490	2680	100	0	256-QAM	41292	2660.2	100	0	22.09	0.90	22.99	0.199	33.01	-10.02

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

ULCA LTE Band 41(PC3)

Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCA T.x. 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	25.26	0.90	26.16	0.413	33.01	-6.85
				40620	2593.0	1	99		40818	2612.8	1	0	25.36	0.90	26.26	0.423	33.01	-6.75
				41490	2680.0	1	0		41292	2660.2	1	99	25.42	0.90	26.32	0.429	33.01	-6.69
			QPSK	41490	2680	100	0	QPSK	41292	2660.2	100	0	22.48	0.90	23.38	0.218	33.01	-9.63
			16-QAM	41490	2680	100	0	16-QAM	41292	2660.2	100	0	21.46	0.90	22.36	0.172	33.01	-10.65
			64-QAM	41490	2680	100	0	64-QAM	41292	2660.2	100	0	21.39	0.90	22.29	0.169	33.01	-10.72
			256-QAM	41490	2680	100	0	256-QAM	41292	2660.2	100	0	21.34	0.90	22.24	0.167	33.01	-10.77

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

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.6.2 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	0.10	1 / 24	22.03	22.13	0.163	23.98	-1.85
		2310.0	0.10	1 / 24	22.19	22.29	0.169	23.98	-1.69
		2312.5	0.10	1 / 24	22.16	22.26	0.168	23.98	-1.72
	16-QAM	2312.5	0.10	1 / 24	21.14	21.24	0.133	23.98	-2.74
	64-QAM	2307.5	0.10	1 / 0	20.13	20.23	0.105	23.98	-3.75
	256-QAM	2312.5	0.10	1 / 12	17.24	17.34	0.054	23.98	-6.64
10 MHz	QPSK	2310.0	0.10	1 / 0	22.09	22.19	0.166	23.98	-1.79
	16-QAM	2310.0	0.10	1 / 25	21.02	21.12	0.129	23.98	-2.86
	64-QAM	2310.0	0.10	1 / 0	20.19	20.29	0.107	23.98	-3.69
	256-QAM	2310.0	0.10	1 / 25	16.98	17.08	0.051	23.98	-6.90

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

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE-Band 7

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2502.5	-0.30	1 / 24	22.08	21.78	0.151	33.01	-11.23
		2535.0	-0.30	1 / 12	22.12	21.82	0.152	33.01	-11.19
		2567.5	-0.30	1 / 24	22.20	21.90	0.155	33.01	-11.11
	16-QAM	2535.0	-0.30	1 / 12	21.19	20.89	0.123	33.01	-12.12
	64-QAM	2502.5	-0.30	1 / 24	20.21	19.91	0.098	33.01	-13.10
	256-QAM	2502.5	-0.30	1 / 0	17.30	17.00	0.050	33.01	-16.01
10 MHz	QPSK	2505.0	-0.30	1 / 49	22.04	21.74	0.149	33.01	-11.27
		2535.0	-0.30	1 / 49	22.18	21.88	0.154	33.01	-11.13
		2565.0	-0.30	1 / 0	22.20	21.90	0.155	33.01	-11.11
	16-QAM	2565.0	-0.30	1 / 49	21.09	20.79	0.120	33.01	-12.22
	64-QAM	2565.0	-0.30	1 / 49	20.25	19.95	0.099	33.01	-13.06
	256-QAM	2565.0	-0.30	1 / 0	17.36	17.06	0.051	33.01	-15.95
15 MHz	QPSK	2507.5	-0.30	1 / 0	22.05	21.75	0.150	33.01	-11.26
		2535.0	-0.30	1 / 37	22.13	21.83	0.152	33.01	-11.18
		2562.5	-0.30	1 / 0	22.09	21.79	0.151	33.01	-11.22
	16-QAM	2507.5	-0.30	1 / 74	21.15	20.85	0.122	33.01	-12.16
	64-QAM	2507.5	-0.30	1 / 74	20.11	19.81	0.096	33.01	-13.20
	256-QAM	2562.5	-0.30	1 / 37	17.27	16.97	0.050	33.01	-16.04
20 MHz	QPSK	2510.0	-0.30	1 / 99	22.20	21.90	0.155	33.01	-11.11
		2535.0	-0.30	1 / 99	21.97	21.67	0.147	33.01	-11.34
		2560.0	-0.30	1 / 0	22.13	21.83	0.152	33.01	-11.18
	16-QAM	2560.0	-0.30	1 / 0	21.12	20.82	0.121	33.01	-12.19
	64-QAM	2560.0	-0.30	1 / 50	20.18	19.88	0.097	33.01	-13.13
	256-QAM	2510.0	-0.30	1 / 99	17.30	17.00	0.050	33.01	-16.01

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

FCC ID: BCGA3269	 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	-1.30	1 / 12	28.56	27.26	0.532	33.01	-5.75
		2593.0	-1.30	1 / 12	28.64	27.34	0.542	33.01	-5.67
		2687.5	-1.30	1 / 24	28.66	27.36	0.545	33.01	-5.65
	16-QAM	2593.0	-1.30	1 / 12	27.70	26.40	0.437	33.01	-6.61
	64-QAM	2498.5	-1.30	1 / 24	26.62	25.32	0.340	33.01	-7.69
	256-QAM	2593.0	-1.30	1 / 12	23.81	22.51	0.178	33.01	-10.50
10 MHz	QPSK	2501.0	-1.30	1 / 49	28.63	27.33	0.541	33.01	-5.68
		2593.0	-1.30	1 / 49	28.48	27.18	0.522	33.01	-5.83
		2685.0	-1.30	1 / 49	28.60	27.30	0.537	33.01	-5.71
	16-QAM	2685.0	-1.30	1 / 25	27.59	26.29	0.426	33.01	-6.72
	64-QAM	2501.0	-1.30	1 / 25	26.53	25.23	0.333	33.01	-7.78
	256-QAM	2501.0	-1.30	1 / 25	23.81	22.51	0.178	33.01	-10.50
15 MHz	QPSK	2503.5	-1.30	1 / 37	28.65	27.35	0.543	33.01	-5.66
		2593.0	-1.30	1 / 74	28.70	27.40	0.550	33.01	-5.61
		2682.5	-1.30	1 / 37	28.43	27.13	0.516	33.01	-5.88
	16-QAM	2682.5	-1.30	1 / 37	27.63	26.33	0.430	33.01	-6.68
	64-QAM	2593.0	-1.30	1 / 37	26.70	25.40	0.347	33.01	-7.61
	256-QAM	2682.5	-1.30	1 / 37	23.72	22.42	0.175	33.01	-10.59
20 MHz	QPSK	2506.0	-1.30	1 / 99	28.49	27.19	0.524	33.01	-5.82
		2593.0	-1.30	1 / 50	28.64	27.34	0.542	33.01	-5.67
		2680.0	-1.30	1 / 99	28.67	27.37	0.546	33.01	-5.64
	16-QAM	2593.0	-1.30	1 / 99	27.57	26.27	0.424	33.01	-6.74
	64-QAM	2593.0	-1.30	1 / 99	26.55	25.25	0.335	33.01	-7.76
	256-QAM	2506.0	-1.30	1 / 99	23.77	22.47	0.177	33.01	-10.54

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

FCC ID: BCGA3269	 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	-1.30	1 / 0	25.67	24.37	0.274	33.01	-8.64
		2593.0	-1.30	1 / 0	25.61	24.31	0.270	33.01	-8.70
		2687.5	-1.30	1 / 12	25.63	24.33	0.271	33.01	-8.68
	16-QAM	2498.5	-1.30	1 / 0	24.67	23.37	0.217	33.01	-9.64
	64-QAM	2593.0	-1.30	1 / 24	23.72	22.42	0.175	33.01	-10.59
	256-QAM	2498.5	-1.30	1 / 12	20.81	19.51	0.089	33.01	-13.50
10 MHz	QPSK	2501.0	-1.30	1 / 0	25.55	24.25	0.266	33.01	-8.76
		2593.0	-1.30	1 / 0	25.60	24.30	0.269	33.01	-8.71
		2685.0	-1.30	1 / 25	25.51	24.21	0.264	33.01	-8.80
	16-QAM	2501.0	-1.30	1 / 0	24.69	23.39	0.218	33.01	-9.62
	64-QAM	2685.0	-1.30	1 / 0	23.66	22.36	0.172	33.01	-10.65
	256-QAM	2685.0	-1.30	1 / 49	20.79	19.49	0.089	33.01	-13.52
15 MHz	QPSK	2503.5	-1.30	1 / 37	25.59	24.29	0.269	33.01	-8.72
		2593.0	-1.30	1 / 0	25.68	24.38	0.274	33.01	-8.63
		2682.5	-1.30	1 / 74	25.61	24.31	0.270	33.01	-8.70
	16-QAM	2593.0	-1.30	1 / 74	24.73	23.43	0.220	33.01	-9.58
	64-QAM	2682.5	-1.30	1 / 37	23.72	22.42	0.175	33.01	-10.59
	256-QAM	2503.5	-1.30	1 / 37	20.79	19.49	0.089	33.01	-13.52
20 MHz	QPSK	2506.0	-1.30	1 / 99	25.69	24.39	0.275	33.01	-8.62
		2593.0	-1.30	1 / 50	25.69	24.39	0.275	33.01	-8.62
		2680.0	-1.30	1 / 0	25.57	24.27	0.267	33.01	-8.74
	16-QAM	2593.0	-1.30	1 / 50	24.70	23.40	0.219	33.01	-9.61
	64-QAM	2506.0	-1.30	1 / 0	23.60	22.30	0.170	33.01	-10.71
	256-QAM	2593.0	-1.30	1 / 50	20.78	19.48	0.089	33.01	-13.53

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

FCC ID: BCGA3269	 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	$\pi/2$ BPSK	2307.5	0.10	25 / 0	21.96	22.06	0.161	23.98	-1.92
		2310.0	0.10	25 / 0	21.67	21.77	0.150	23.98	-2.21
		2312.5	0.10	25 / 0	21.83	21.93	0.156	23.98	-2.05
	QPSK	2307.5	0.10	25 / 0	21.68	21.78	0.151	23.98	-2.20
		2310.0	0.10	25 / 0	21.72	21.82	0.152	23.98	-2.16
		2312.5	0.10	25 / 0	21.66	21.76	0.150	23.98	-2.22
	16-QAM	2312.5	0.10	25 / 0	20.53	20.63	0.116	23.98	-3.35
	64-QAM	2310.0	0.10	25 / 0	19.37	19.47	0.089	23.98	-4.51
	256-QAM	2310.0	0.10	25 / 0	16.73	16.83	0.048	23.98	-7.15
10 MHz	$\pi/2$ BPSK	2310.0	0.10	50 / 0	21.71	21.81	0.152	23.98	-2.17
	QPSK	2310.0	0.10	50 / 0	21.65	21.75	0.150	23.98	-2.23
	16-QAM	2310.0	0.10	50 / 0	20.77	20.87	0.122	23.98	-3.11
	64-QAM	2310.0	0.10	50 / 0	19.82	19.92	0.098	23.98	-4.06
	256-QAM	2310.0	0.10	50 / 0	16.93	17.03	0.050	23.98	-6.95

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

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-10-R1.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 352 of 427

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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	-0.30	1 / 1	22.13	21.83	0.152	33.01	-11.18
		2535.0	-0.30	1 / 1	22.05	21.75	0.150	33.01	-11.26
		2567.5	-0.30	1 / 23	22.19	21.89	0.155	33.01	-11.12
	QPSK	2502.5	-0.30	1 / 12	22.03	21.73	0.149	33.01	-11.28
		2535.0	-0.30	1 / 1	22.18	21.88	0.154	33.01	-11.13
		2567.5	-0.30	1 / 12	22.20	21.90	0.155	33.01	-11.11
	16-QAM	2567.5	-0.30	1 / 23	21.25	20.95	0.124	33.01	-12.06
	64-QAM	2502.5	-0.30	1 / 12	20.26	19.96	0.099	33.01	-13.05
256-QAM	2567.5	-0.30	1 / 23	17.35	17.05	0.051	33.01	-15.96	
10 MHz	π/2 BPSK	2505.0	-0.30	1 / 50	22.19	21.89	0.155	33.01	-11.12
		2535.0	-0.30	1 / 1	22.20	21.90	0.155	33.01	-11.11
		2565.0	-0.30	1 / 1	22.18	21.88	0.154	33.01	-11.13
	QPSK	2505.0	-0.30	1 / 50	22.19	21.89	0.155	33.01	-11.12
		2535.0	-0.30	1 / 25	22.11	21.81	0.152	33.01	-11.20
		2565.0	-0.30	1 / 25	22.04	21.74	0.149	33.01	-11.27
	16-QAM	2535.0	-0.30	1 / 50	21.08	20.78	0.120	33.01	-12.23
	64-QAM	2505.0	-0.30	1 / 1	20.20	19.90	0.098	33.01	-13.11
256-QAM	2535.0	-0.30	1 / 25	17.29	16.99	0.050	33.01	-16.02	
15 MHz	π/2 BPSK	2507.5	-0.30	1 / 36	22.12	21.82	0.152	33.01	-11.19
		2535.0	-0.30	1 / 1	21.91	21.61	0.145	33.01	-11.40
		2562.5	-0.30	1 / 77	22.16	21.86	0.153	33.01	-11.15
	QPSK	2507.5	-0.30	1 / 1	22.06	21.76	0.150	33.01	-11.25
		2535.0	-0.30	1 / 36	22.20	21.90	0.155	33.01	-11.11
		2562.5	-0.30	1 / 77	22.05	21.75	0.150	33.01	-11.26
	16-QAM	2535.0	-0.30	1 / 77	21.16	20.86	0.122	33.01	-12.15
	64-QAM	2507.5	-0.30	1 / 1	20.16	19.86	0.097	33.01	-13.15
256-QAM	2562.5	-0.30	1 / 1	17.27	16.97	0.050	33.01	-16.04	
20 MHz	π/2 BPSK	2510.0	-0.30	1 / 104	22.12	21.82	0.152	33.01	-11.19
		2535.0	-0.30	1 / 104	22.06	21.76	0.150	33.01	-11.25
		2560.0	-0.30	1 / 1	21.92	21.62	0.145	33.01	-11.39
	QPSK	2510.0	-0.30	1 / 1	22.16	21.86	0.153	33.01	-11.15
		2535.0	-0.30	1 / 1	22.14	21.84	0.153	33.01	-11.17
		2560.0	-0.30	1 / 1	22.20	21.90	0.155	33.01	-11.11
	16-QAM	2535.0	-0.30	1 / 1	21.10	20.80	0.120	33.01	-12.21
	64-QAM	2560.0	-0.30	1 / 50	20.12	19.82	0.096	33.01	-13.19
256-QAM	2510.0	-0.30	1 / 50	17.28	16.98	0.050	33.01	-16.03	
25 MHz	π/2 BPSK	2512.5	-0.30	1 / 1	22.17	21.87	0.154	33.01	-11.14
		2535.0	-0.30	1 / 64	22.19	21.89	0.155	33.01	-11.12
		2557.5	-0.30	1 / 64	22.17	21.87	0.154	33.01	-11.14
	QPSK	2512.5	-0.30	1 / 1	22.09	21.79	0.151	33.01	-11.22
		2535.0	-0.30	1 / 64	22.16	21.86	0.153	33.01	-11.15
		2557.5	-0.30	1 / 131	22.20	21.90	0.155	33.01	-11.11
	16-QAM	2557.5	-0.30	1 / 64	21.17	20.87	0.122	33.01	-12.14
	64-QAM	2535.0	-0.30	1 / 1	20.16	19.86	0.097	33.01	-13.15
256-QAM	2557.5	-0.30	1 / 131	17.25	16.95	0.050	33.01	-16.06	
30 MHz	π/2 BPSK	2515.0	-0.30	1 / 1	22.10	21.80	0.151	33.01	-11.21
		2535.0	-0.30	1 / 158	22.20	21.90	0.155	33.01	-11.11
		2555.0	-0.30	1 / 158	22.16	21.86	0.153	33.01	-11.15
	QPSK	2515.0	-0.30	1 / 158	22.08	21.78	0.151	33.01	-11.23
		2535.0	-0.30	1 / 1	21.95	21.65	0.146	33.01	-11.36
		2555.0	-0.30	1 / 1	22.18	21.88	0.154	33.01	-11.13
	16-QAM	2515.0	-0.30	1 / 158	21.13	20.83	0.121	33.01	-12.18
	64-QAM	2555.0	-0.30	1 / 158	20.24	19.94	0.099	33.01	-13.07
256-QAM	2555.0	-0.30	1 / 158	17.22	16.92	0.049	33.01	-16.09	
35 MHz	π/2 BPSK	2517.5	-0.30	1 / 1	21.87	21.57	0.144	33.01	-11.44
		2535.0	-0.30	1 / 1	22.20	21.90	0.155	33.01	-11.11
		2552.5	-0.30	1 / 186	22.14	21.84	0.153	33.01	-11.17
	QPSK	2517.5	-0.30	1 / 186	22.20	21.90	0.155	33.01	-11.11
		2535.0	-0.30	1 / 186	21.91	21.61	0.145	33.01	-11.40
		2552.5	-0.30	1 / 1	22.14	21.84	0.153	33.01	-11.17
	16-QAM	2552.5	-0.30	1 / 186	21.27	20.97	0.125	33.01	-12.04
	64-QAM	2517.5	-0.30	1 / 93	20.24	19.94	0.099	33.01	-13.07
256-QAM	2552.5	-0.30	1 / 1	17.41	17.11	0.051	33.01	-15.90	
40 MHz	π/2 BPSK	2520.0	-0.30	1 / 108	22.10	21.80	0.151	33.01	-11.21
		2535.0	-0.30	1 / 1	21.85	21.55	0.143	33.01	-11.46
		2550.0	-0.30	1 / 108	22.16	21.86	0.153	33.01	-11.15
	QPSK	2520.0	-0.30	1 / 214	21.81	21.51	0.142	33.01	-11.50
		2535.0	-0.30	1 / 108	22.20	21.90	0.155	33.01	-11.11
		2550.0	-0.30	1 / 214	22.05	21.75	0.150	33.01	-11.26
	16-QAM	2550.0	-0.30	1 / 1	21.22	20.92	0.124	33.01	-12.09
	64-QAM	2535.0	-0.30	1 / 214	20.19	19.89	0.097	33.01	-13.12
256-QAM	2550.0	-0.30	1 / 108	17.27	16.97	0.050	33.01	-16.04	

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

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-10-R1.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 353 of 427

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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]	
10 MHz	11/2 BPSK	2501.0	-1.30	1 / 22	28.35	27.05	0.507	33.01	-5.96	
		2593.0	-1.30	1 / 22	28.68	27.38	0.547	33.01	-5.63	
		2685.0	-1.30	1 / 22	28.22	26.92	0.492	33.01	-6.09	
	QPSK	2501.0	-1.30	1 / 22	27.97	26.67	0.465	33.01	-6.34	
		2593.0	-1.30	1 / 22	28.70	27.40	0.550	33.01	-5.61	
		2685.0	-1.30	1 / 22	28.02	26.72	0.470	33.01	-6.29	
	16-QAM	2593.0	-1.30	1 / 22	27.72	26.42	0.439	33.01	-6.59	
	64-QAM	2593.0	-1.30	1 / 22	26.24	24.94	0.312	33.01	-8.08	
	256-QAM	2593.0	-1.30	1 / 22	24.12	22.82	0.191	33.01	-10.19	
	11/2 BPSK	2503.5	-1.30	1 / 36	28.32	27.02	0.504	33.01	-5.99	
2593.0		-1.30	1 / 36	28.55	27.25	0.531	33.01	-5.76		
2682.5		-1.30	1 / 36	28.25	26.95	0.495	33.01	-6.06		
15 MHz	QPSK	2503.5	-1.30	1 / 18	27.92	26.62	0.459	33.01	-6.39	
		2593.0	-1.30	1 / 36	28.70	27.40	0.550	33.01	-5.61	
		2682.5	-1.30	1 / 18	28.03	26.73	0.471	33.01	-6.28	
	16-QAM	2593.0	-1.30	1 / 36	27.80	26.50	0.446	33.01	-6.51	
	64-QAM	2593.0	-1.30	1 / 36	26.14	24.84	0.305	33.01	-8.17	
	256-QAM	2593.0	-1.30	1 / 36	23.99	22.69	0.186	33.01	-10.32	
	20 MHz	11/2 BPSK	2506.0	-1.30	1 / 25	28.36	27.06	0.508	33.01	-5.95
			2593.0	-1.30	1 / 25	28.66	27.36	0.544	33.01	-5.65
			2680.0	-1.30	1 / 49	28.35	27.05	0.507	33.01	-5.96
		QPSK	2506.0	-1.30	1 / 49	27.77	26.47	0.444	33.01	-6.54
2593.0			-1.30	1 / 49	28.70	27.40	0.550	33.01	-5.61	
2680.0			-1.30	1 / 25	27.84	26.54	0.451	33.01	-6.47	
16-QAM		2593.0	-1.30	1 / 25	27.72	26.42	0.439	33.01	-6.59	
64-QAM		2593.0	-1.30	1 / 25	26.16	24.86	0.306	33.01	-8.15	
256-QAM		2593.0	-1.30	1 / 49	24.01	22.71	0.187	33.01	-10.30	
30 MHz		11/2 BPSK	2511.0	-1.30	1 / 76	28.24	26.94	0.494	33.01	-6.07
	2593.0		-1.30	1 / 76	28.52	27.22	0.527	33.01	-5.79	
	2675.0		-1.30	1 / 76	28.34	27.04	0.506	33.01	-5.97	
	QPSK	2511.0	-1.30	1 / 76	27.81	26.51	0.448	33.01	-6.50	
		2593.0	-1.30	1 / 76	28.70	27.40	0.550	33.01	-5.61	
		2675.0	-1.30	1 / 76	27.81	26.51	0.448	33.01	-6.50	
	16-QAM	2593.0	-1.30	1 / 36	27.47	26.17	0.414	33.01	-6.84	
	64-QAM	2593.0	-1.30	1 / 36	25.97	24.67	0.293	33.01	-8.34	
	256-QAM	2593.0	-1.30	1 / 76	24.05	22.75	0.188	33.01	-10.26	
	40 MHz	11/2 BPSK	2516.0	-1.30	1 / 104	28.33	27.03	0.505	33.01	-5.98
2593.0			-1.30	1 / 104	28.70	27.40	0.550	33.01	-5.61	
2670.0			-1.30	1 / 50	28.58	27.28	0.535	33.01	-5.73	
QPSK		2516.0	-1.30	1 / 104	27.90	26.60	0.457	33.01	-6.41	
		2593.0	-1.30	1 / 104	28.67	27.37	0.545	33.01	-5.64	
		2670.0	-1.30	1 / 50	28.59	27.29	0.536	33.01	-5.72	
16-QAM		2593.0	-1.30	1 / 50	27.67	26.37	0.433	33.01	-6.64	
64-QAM		2593.0	-1.30	1 / 50	26.06	24.76	0.299	33.01	-8.25	
256-QAM		2593.0	-1.30	1 / 104	24.27	22.97	0.198	33.01	-10.04	
50 MHz		11/2 BPSK	2521.0	-1.30	1 / 131	28.37	27.07	0.509	33.01	-5.94
	2593.0		-1.30	1 / 64	28.61	27.31	0.539	33.01	-5.70	
	2665.0		-1.30	1 / 64	28.52	27.22	0.528	33.01	-5.79	
	QPSK	2521.0	-1.30	1 / 131	27.76	26.46	0.443	33.01	-6.55	
		2593.0	-1.30	1 / 64	28.70	27.40	0.550	33.01	-5.61	
		2665.0	-1.30	1 / 64	28.53	27.23	0.528	33.01	-5.78	
	16-QAM	2593.0	-1.30	1 / 131	27.68	26.38	0.435	33.01	-6.63	
	64-QAM	2593.0	-1.30	1 / 64	26.08	24.78	0.300	33.01	-8.23	
	256-QAM	2593.0	-1.30	1 / 64	23.83	22.53	0.179	33.01	-10.48	
	60 MHz	11/2 BPSK	2526.0	-1.30	1 / 160	28.35	27.05	0.507	33.01	-5.96
2593.0			-1.30	1 / 81	28.68	27.38	0.547	33.01	-5.63	
2660.0			-1.30	1 / 160	28.50	27.20	0.525	33.01	-5.81	
QPSK		2526.0	-1.30	1 / 81	27.75	26.45	0.442	33.01	-6.56	
		2593.0	-1.30	1 / 81	28.70	27.40	0.549	33.01	-5.61	
		2660.0	-1.30	1 / 160	28.62	27.32	0.539	33.01	-5.69	
16-QAM		2593.0	-1.30	1 / 81	27.60	26.30	0.427	33.01	-6.71	
64-QAM		2593.0	-1.30	1 / 81	26.14	24.84	0.305	33.01	-8.17	
256-QAM		2593.0	-1.30	1 / 81	24.94	22.74	0.188	33.01	-10.27	
70 MHz		11/2 BPSK	2531.0	-1.30	1 / 90	28.60	27.30	0.537	33.01	-5.71
	2593.0		-1.30	1 / 90	28.70	27.40	0.550	33.01	-5.61	
	2655.0		-1.30	1 / 187	28.48	27.18	0.523	33.01	-5.83	
	QPSK	2531.0	-1.30	1 / 90	28.61	27.31	0.538	33.01	-5.70	
		2593.0	-1.30	1 / 90	28.63	27.33	0.541	33.01	-5.68	
		2655.0	-1.30	1 / 90	28.66	27.36	0.545	33.01	-5.65	
	16-QAM	2593.0	-1.30	1 / 90	27.81	26.51	0.448	33.01	-6.50	
	64-QAM	2655.0	-1.30	1 / 90	26.13	24.83	0.304	33.01	-8.19	
	256-QAM	2655.0	-1.30	1 / 187	23.92	22.62	0.183	33.01	-10.39	
	80 MHz	11/2 BPSK	2536.0	-1.30	1 / 108	28.70	27.40	0.550	33.01	-5.61
2593.0			-1.30	1 / 215	28.69	27.39	0.548	33.01	-5.62	
2650.0			-1.30	1 / 108	28.62	27.32	0.540	33.01	-5.69	
QPSK		2536.0	-1.30	1 / 108	28.53	27.23	0.528	33.01	-5.78	
		2593.0	-1.30	1 / 108	28.58	27.28	0.534	33.01	-5.73	
		2650.0	-1.30	1 / 108	28.69	27.39	0.548	33.01	-5.62	
16-QAM		2650.0	-1.30	1 / 108	27.47	26.17	0.414	33.01	-6.84	
64-QAM		2536.0	-1.30	1 / 215	26.26	24.96	0.313	33.01	-8.05	
256-QAM		2650.0	-1.30	1 / 108	24.03	22.73	0.187	33.01	-10.28	
90 MHz		11/2 BPSK	2541.0	-1.30	1 / 243	28.45	27.15	0.518	33.01	-5.86
	2593.0		-1.30	1 / 120	28.57	27.27	0.533	33.01	-5.74	
	2645.0		-1.30	1 / 120	28.68	27.38	0.547	33.01	-5.63	
	QPSK	2541.0	-1.30	1 / 243	28.32	27.02	0.503	33.01	-5.99	
		2593.0	-1.30	1 / 120	28.69	27.39	0.549	33.01	-5.62	
		2645.0	-1.30	1 / 243	28.69	27.39	0.548	33.01	-5.62	
	16-QAM	2645.0	-1.30	1 / 120	27.95	26.65	0.463	33.01	-6.36	
	64-QAM	2541.0	-1.30	1 / 243	25.85	24.55	0.285	33.01	-8.46	
	256-QAM	2645.0	-1.30	1 / 120	24.04	22.74	0.188	33.01	-10.27	
	100 MHz	11/2 BPSK	2546.0	-1.30	1 / 271	28.56	27.26	0.532	33.01	-5.75
2593.0			-1.30	1 / 135	28.70	27.40	0.549	33.01	-5.61	
2640.0			-1.30	1 / 271	28.43	27.13	0.516	33.01	-5.88	
QPSK		2546.0	-1.30	1 / 271	28.57	27.27	0.533	33.01	-5.74	
		2593.0	-1.30	1 / 135	28.52	27.22	0.527	33.01	-5.79	
		2640.0	-1.30	1 / 135	28.68	27.38	0.547	33.01	-5.63	
16-QAM	2593.0	-1.30	1 / 271	27.50	26.20	0.416	33.01	-6.82		
64-QAM	2546.0	-1.30	1 / 271	26.20	24.90	0.309	33.01	-8.11		
256-QAM	2546.0	-1.30	1 / 271	23.93	22.63	0.183	33.01	-10.38		

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

FCC ID: BCGA3269		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41(PC3)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	11/2 BPSK	2501.0	-1.30	1 / 12	25.52	24.22	0.264	33.01	-8.79
		2593.0	-1.30	1 / 12	25.63	24.33	0.271	33.01	-8.68
		2685.0	-1.30	1 / 12	25.45	24.15	0.260	33.01	-8.86
	QPSK	2501.0	-1.30	1 / 12	25.55	24.25	0.266	33.01	-8.76
		2593.0	-1.30	1 / 12	25.70	24.40	0.275	33.01	-8.61
		2685.0	-1.30	1 / 12	25.52	24.22	0.264	33.01	-8.79
	16-QAM	2501.0	-1.30	1 / 12	24.75	23.45	0.221	33.01	-9.56
		2593.0	-1.30	1 / 12	23.26	21.96	0.157	33.01	-11.05
		2685.0	-1.30	1 / 12	21.09	19.79	0.095	33.01	-13.22
	256-QAM	2501.0	-1.30	1 / 12	21.09	19.79	0.095	33.01	-13.22
15 MHz	11/2 BPSK	2503.5	-1.30	1 / 18	25.49	24.19	0.263	33.01	-8.82
		2593.0	-1.30	1 / 18	25.69	24.39	0.275	33.01	-8.62
		2682.5	-1.30	1 / 36	25.54	24.24	0.265	33.01	-8.77
	QPSK	2503.5	-1.30	1 / 36	25.53	24.23	0.265	33.01	-8.78
		2593.0	-1.30	1 / 18	25.62	24.32	0.270	33.01	-8.69
		2682.5	-1.30	1 / 36	25.55	24.25	0.266	33.01	-8.75
	16-QAM	2593.0	-1.30	1 / 18	24.75	23.45	0.221	33.01	-9.56
		2593.0	-1.30	1 / 36	23.33	22.03	0.160	33.01	-10.98
		2593.0	-1.30	1 / 18	21.03	19.73	0.094	33.01	-13.28
	256-QAM	2593.0	-1.30	1 / 18	21.03	19.73	0.094	33.01	-13.28
20 MHz	11/2 BPSK	2506.0	-1.30	1 / 49	25.48	24.18	0.262	33.01	-8.83
		2593.0	-1.30	1 / 25	25.70	24.40	0.275	33.01	-8.61
		2680.0	-1.30	1 / 49	25.45	24.15	0.260	33.01	-8.86
	QPSK	2506.0	-1.30	1 / 25	25.48	24.18	0.262	33.01	-8.83
		2593.0	-1.30	1 / 49	25.65	24.35	0.272	33.01	-8.66
		2680.0	-1.30	1 / 49	25.43	24.13	0.259	33.01	-8.88
	16-QAM	2593.0	-1.30	1 / 49	24.97	23.67	0.233	33.01	-9.34
		2593.0	-1.30	1 / 25	23.25	21.95	0.157	33.01	-11.06
		2593.0	-1.30	1 / 49	20.95	19.65	0.092	33.01	-13.36
	256-QAM	2506.0	-1.30	1 / 49	20.95	19.65	0.092	33.01	-13.36
30 MHz	11/2 BPSK	2511.0	-1.30	1 / 76	25.49	24.19	0.263	33.01	-8.82
		2593.0	-1.30	1 / 76	25.49	24.19	0.263	33.01	-8.82
		2675.0	-1.30	1 / 76	25.41	24.11	0.258	33.01	-8.90
	QPSK	2511.0	-1.30	1 / 76	25.53	24.23	0.265	33.01	-8.78
		2593.0	-1.30	1 / 76	25.70	24.40	0.275	33.01	-8.61
		2675.0	-1.30	1 / 76	25.42	24.12	0.258	33.01	-8.89
	16-QAM	2593.0	-1.30	1 / 36	24.87	23.57	0.228	33.01	-9.44
		2511.0	-1.30	1 / 76	22.97	21.67	0.147	33.01	-11.34
		2593.0	-1.30	1 / 76	20.97	19.67	0.093	33.01	-13.35
	256-QAM	2593.0	-1.30	1 / 76	20.97	19.67	0.093	33.01	-13.35
40 MHz	11/2 BPSK	2516.0	-1.30	1 / 104	25.60	24.30	0.269	33.01	-8.71
		2593.0	-1.30	1 / 104	25.61	24.31	0.270	33.01	-8.70
		2670.0	-1.30	1 / 104	25.53	24.23	0.265	33.01	-8.78
	QPSK	2516.0	-1.30	1 / 104	25.70	24.40	0.275	33.01	-8.61
		2593.0	-1.30	1 / 50	25.64	24.34	0.271	33.01	-8.67
		2670.0	-1.30	1 / 104	25.53	24.23	0.265	33.01	-8.78
	16-QAM	2670.0	-1.30	1 / 104	24.58	23.28	0.213	33.01	-9.73
		2593.0	-1.30	1 / 104	23.38	22.08	0.161	33.01	-10.93
		2593.0	-1.30	1 / 104	21.21	19.91	0.098	33.01	-13.10
	256-QAM	2593.0	-1.30	1 / 104	21.21	19.91	0.098	33.01	-13.10
50 MHz	11/2 BPSK	2521.0	-1.30	1 / 131	25.61	24.31	0.270	33.01	-8.70
		2593.0	-1.30	1 / 131	25.70	24.40	0.275	33.01	-8.61
		2665.0	-1.30	1 / 131	25.49	24.19	0.263	33.01	-8.82
	QPSK	2521.0	-1.30	1 / 131	25.65	24.35	0.272	33.01	-8.66
		2593.0	-1.30	1 / 64	25.57	24.27	0.267	33.01	-8.74
		2665.0	-1.30	1 / 131	25.45	24.15	0.260	33.01	-8.96
	16-QAM	2593.0	-1.30	1 / 131	24.84	23.54	0.226	33.01	-9.47
		2665.0	-1.30	1 / 131	23.23	21.93	0.156	33.01	-11.08
		2593.0	-1.30	1 / 131	21.08	19.78	0.095	33.01	-13.23
	256-QAM	2593.0	-1.30	1 / 131	21.08	19.78	0.095	33.01	-13.23
60 MHz	11/2 BPSK	2526.0	-1.30	1 / 160	25.53	24.23	0.265	33.01	-8.78
		2593.0	-1.30	1 / 81	25.62	24.32	0.271	33.01	-8.69
		2660.0	-1.30	1 / 81	25.41	24.11	0.257	33.01	-8.90
	QPSK	2526.0	-1.30	1 / 160	25.68	24.38	0.274	33.01	-8.63
		2593.0	-1.30	1 / 81	25.65	24.35	0.272	33.01	-8.66
		2660.0	-1.30	1 / 81	25.42	24.12	0.258	33.01	-8.89
	16-QAM	2526.0	-1.30	1 / 81	24.82	23.52	0.225	33.01	-9.49
		2593.0	-1.30	1 / 160	23.33	22.03	0.160	33.01	-10.98
		2593.0	-1.30	1 / 81	21.01	19.71	0.094	33.01	-13.30
	256-QAM	2593.0	-1.30	1 / 81	21.01	19.71	0.094	33.01	-13.30
70 MHz	11/2 BPSK	2531.0	-1.30	1 / 90	25.55	24.25	0.266	33.01	-8.76
		2593.0	-1.30	1 / 90	25.67	24.37	0.273	33.01	-8.65
		2655.0	-1.30	1 / 187	25.31	24.01	0.252	33.01	-9.00
	QPSK	2531.0	-1.30	1 / 187	25.53	24.23	0.265	33.01	-8.78
		2593.0	-1.30	1 / 90	25.70	24.40	0.275	33.01	-8.61
		2655.0	-1.30	1 / 187	25.42	24.12	0.259	33.01	-8.89
	16-QAM	2531.0	-1.30	1 / 187	24.65	23.35	0.216	33.01	-9.66
		2593.0	-1.30	1 / 90	23.15	21.85	0.153	33.01	-11.16
		2593.0	-1.30	1 / 90	20.89	19.59	0.091	33.01	-13.43
	256-QAM	2593.0	-1.30	1 / 90	20.89	19.59	0.091	33.01	-13.43
80 MHz	11/2 BPSK	2536.0	-1.30	1 / 215	25.62	24.32	0.271	33.01	-8.69
		2593.0	-1.30	1 / 108	25.70	24.40	0.275	33.01	-8.61
		2650.0	-1.30	1 / 215	25.44	24.14	0.259	33.01	-8.87
	QPSK	2536.0	-1.30	1 / 215	25.50	24.20	0.263	33.01	-8.81
		2593.0	-1.30	1 / 108	25.61	24.31	0.269	33.01	-8.71
		2650.0	-1.30	1 / 108	25.20	23.90	0.245	33.01	-9.11
	16-QAM	2593.0	-1.30	1 / 108	24.82	23.52	0.225	33.01	-9.49
		2593.0	-1.30	1 / 108	23.13	21.83	0.152	33.01	-11.19
		2536.0	-1.30	1 / 215	20.88	19.58	0.091	33.01	-13.43
	256-QAM	2536.0	-1.30	1 / 215	20.88	19.58	0.091	33.01	-13.43
90 MHz	11/2 BPSK	2541.0	-1.30	1 / 243	25.65	24.35	0.272	33.01	-8.66
		2593.0	-1.30	1 / 120	25.70	24.40	0.275	33.01	-8.61
		2645.0	-1.30	1 / 243	25.61	24.31	0.270	33.01	-8.70
	QPSK	2541.0	-1.30	1 / 243	25.54	24.24	0.265	33.01	-8.77
		2593.0	-1.30	1 / 120	25.62	24.32	0.270	33.01	-8.69
		2645.0	-1.30	1 / 120	25.48	24.18	0.262	33.01	-8.83
	16-QAM	2593.0	-1.30	1 / 243	24.66	23.36	0.217	33.01	-9.65
		2593.0	-1.30	1 / 243	23.27	21.97	0.157	33.01	-11.04
		2541.0	-1.30	1 / 243	21.02	19.72	0.094	33.01	-13.29
	256-QAM	2541.0	-1.30	1 / 243	21.02	19.72	0.094	33.01	-13.29
100 MHz	11/2 BPSK	2546.0	-1.30	1 / 271	25.69	24.39	0.274	33.01	-8.63
		2593.0	-1.30	1 / 271	25.47	24.17	0.261	33.01	-8.84
		2640.0	-1.30	1 / 271	25.48	24.18	0.262	33.01	-8.83
	QPSK	2546.0	-1.30	1 / 135	25.70	24.40	0.275	33.01	-8.61
		2593.0	-1.30	1 / 135	25.38	24.08	0.256	33.01	-8.93
		2640.0	-1.30	1 / 271	25.48	24.18	0.262	33.01	-8.83
	16-QAM	2593.0	-1.30	1 / 135	24.63	23.33	0.215	33.01	-9.69
		2593.0	-1.30	1 / 135	23.23	21.93	0.156	33.01	-11.08
		2593.0	-1.30	1 / 271	21.00	19.70	0.093	33.01	-13.31
	256-QAM	2593.0	-1.30	1 / 271	21.00	19.70	0.093	33.01	-13.31

Table 7-21. Antenna 1b EIRP Data (NR Band n41(PC3))

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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ULCA LTE 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	22.02	-0.30	21.72	0.149	33.01	-11.29
				21100	2535.0	1	99		21298	2554.8	1	0	22.16	-0.30	21.86	0.153	33.01	-11.15
				21350	2560.0	1	0		21152	2540.2	1	99	22.09	-0.30	21.79	0.151	33.01	-11.22
			QPSK	21100	2535	100	0	QPSK	21298	2554.8	100	0	21.12	-0.30	20.82	0.121	33.01	-12.19
			16-QAM	21100	2535	100	0	16-QAM	21298	2554.8	100	0	20.34	-0.30	20.04	0.101	33.01	-12.97
			64-QAM	21100	2535	100	0	64-QAM	21298	2554.8	100	0	19.44	-0.30	19.14	0.082	33.01	-13.87
			256-QAM	21100	2535	100	0	256-QAM	21298	2554.8	100	0	17.52	-0.30	17.22	0.053	33.01	-15.79

Table 7-22. Antenna 1b EIRP Data (ULCA LTE Band 7)

ULCA LTE 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		39750	2506.0	1	99		39948	2525.8	1	0	28.36	-1.30	27.06	0.508	33.01	-5.95
			QPSK	40620	2593.0	1	99	QPSK	40818	2612.8	1	0	28.42	-1.30	27.12	0.515	33.01	-5.89
			QPSK	41490	2680.0	1	0	QPSK	41292	2660.2	1	99	28.63	-1.30	27.33	0.541	33.01	-5.68
			QPSK	41490	2680	100	0	QPSK	41292	2660.2	100	0	26.59	-1.30	25.29	0.338	33.01	-7.72
			16-QAM	41490	2680	100	0	16-QAM	41292	2660.2	100	0	25.69	-1.30	24.39	0.275	33.01	-8.62
			64-QAM	41490	2680	100	0	64-QAM	41292	2660.2	100	0	25.32	-1.30	24.02	0.252	33.01	-8.99
			256-QAM	41490	2680	100	0	256-QAM	41292	2660.2	100	0	23.37	-1.30	22.07	0.161	33.01	-10.94

Table 7-23. Antenna 1b EIRP Data (ULCA LTE Band 41 (PC2))

ULCA LTE Band 41(PC3)

Power State	Band	Bandwidth (PCC + SCC)	PCC				SCC				ULCA T.x. Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP 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	25.36	-1.30	24.06	0.255	33.01	-8.95
				40620	2593.0	1	99		40818	2612.8	1	0	25.44	-1.30	24.14	0.259	33.01	-8.87
				41490	2680.0	1	0		41292	2660.2	1	99	25.52	-1.30	24.22	0.264	33.01	-8.79
			QPSK	41490	2680	100	0	QPSK	41292	2660.2	100	0	22.46	-1.30	21.16	0.131	33.01	-11.85
			16-QAM	41490	2680	100	0	16-QAM	41292	2660.2	100	0	22.34	-1.30	21.04	0.127	33.01	-11.97
			64-QAM	41490	2680	100	0	64-QAM	41292	2660.2	100	0	22.43	-1.30	21.13	0.130	33.01	-11.88
			256-QAM	41490	2680	100	0	256-QAM	41292	2660.2	100	0	22.26	-1.30	20.96	0.125	33.01	-12.05

Table 7-24. Antenna 1b EIRP Data (ULCA LTE Band 41 (PC3))

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.6.3 Antenna 3b - 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	0.70	1 / 24	22.76	23.46	0.222	23.98	-0.52
		2310.0	0.70	1 / 0	22.68	23.38	0.218	23.98	-0.60
		2312.5	0.70	1 / 0	22.77	23.47	0.222	23.98	-0.51
	16-QAM	2307.5	0.70	1 / 12	21.79	22.49	0.177	23.98	-1.49
	64-QAM	2307.5	0.70	1 / 0	20.82	21.52	0.142	23.98	-2.46
	256-QAM	2312.5	0.70	1 / 0	17.87	18.57	0.072	23.98	-5.41
10 MHz	QPSK	2310.0	0.70	1 / 25	22.68	23.38	0.218	23.98	-0.60
	16-QAM	2310.0	0.70	1 / 25	21.79	22.49	0.177	23.98	-1.49
	64-QAM	2310.0	0.70	1 / 25	20.54	21.24	0.133	23.98	-2.74
	256-QAM	2310.0	0.70	1 / 25	17.68	18.38	0.069	23.98	-5.60

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

FCC ID: BCGA3269	 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	-1.50	1 / 24	24.40	22.90	0.195	33.01	-10.11
		2535.0	-1.50	1 / 0	24.52	23.02	0.200	33.01	-9.99
		2567.5	-1.50	1 / 24	24.52	23.02	0.200	33.01	-9.99
	16-QAM	2535.0	-1.50	1 / 12	23.54	22.04	0.160	33.01	-10.97
	64-QAM	2502.5	-1.50	1 / 12	22.74	21.24	0.133	33.01	-11.77
	256-QAM	2502.5	-1.50	1 / 12	19.70	18.20	0.066	33.01	-14.81
10 MHz	QPSK	2505.0	-1.50	1 / 25	24.60	23.10	0.204	33.01	-9.91
		2535.0	-1.50	1 / 49	24.68	23.18	0.208	33.01	-9.83
		2565.0	-1.50	1 / 25	24.55	23.05	0.202	33.01	-9.96
	16-QAM	2505.0	-1.50	1 / 0	23.71	22.21	0.166	33.01	-10.80
	64-QAM	2565.0	-1.50	1 / 0	22.71	21.21	0.132	33.01	-11.80
	256-QAM	2565.0	-1.50	1 / 25	19.66	18.16	0.065	33.01	-14.85
15 MHz	QPSK	2507.5	-1.50	1 / 37	24.43	22.93	0.196	33.01	-10.08
		2535.0	-1.50	1 / 0	24.55	23.05	0.202	33.01	-9.96
		2562.5	-1.50	1 / 0	24.65	23.15	0.207	33.01	-9.86
	16-QAM	2507.5	-1.50	1 / 74	23.69	22.19	0.166	33.01	-10.82
	64-QAM	2562.5	-1.50	1 / 0	22.65	21.15	0.130	33.01	-11.86
	256-QAM	2507.5	-1.50	1 / 37	19.62	18.12	0.065	33.01	-14.89
20 MHz	QPSK	2510.0	-1.50	1 / 50	24.56	23.06	0.202	33.01	-9.95
		2535.0	-1.50	1 / 0	24.67	23.17	0.207	33.01	-9.84
		2560.0	-1.50	1 / 50	24.70	23.20	0.209	33.01	-9.81
	16-QAM	2560.0	-1.50	1 / 0	23.69	22.19	0.166	33.01	-10.82
	64-QAM	2560.0	-1.50	1 / 50	22.67	21.17	0.131	33.01	-11.84
	256-QAM	2560.0	-1.50	1 / 99	19.81	18.31	0.068	33.01	-14.70

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

FCC ID: BCGA3269	 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	-2.10	1 / 24	26.42	24.32	0.270	33.01	-8.69
		2593.0	-2.10	1 / 12	26.63	24.53	0.284	33.01	-8.48
		2687.5	-2.10	1 / 12	26.48	24.38	0.274	33.01	-8.63
	16-QAM	2593.0	-2.10	1 / 24	25.66	23.56	0.227	33.01	-9.45
	64-QAM	2498.5	-2.10	1 / 12	24.66	22.56	0.180	33.01	-10.45
	256-QAM	2687.5	-2.10	1 / 12	21.82	19.72	0.094	33.01	-13.29
10 MHz	QPSK	2501.0	-2.10	1 / 25	26.52	24.42	0.277	33.01	-8.59
		2593.0	-2.10	1 / 25	26.63	24.53	0.284	33.01	-8.48
		2685.0	-2.10	1 / 25	26.53	24.43	0.277	33.01	-8.58
	16-QAM	2685.0	-2.10	1 / 25	25.59	23.49	0.223	33.01	-9.52
	64-QAM	2685.0	-2.10	1 / 25	24.67	22.57	0.181	33.01	-10.44
	256-QAM	2593.0	-2.10	1 / 49	21.73	19.63	0.092	33.01	-13.38
15 MHz	QPSK	2503.5	-2.10	1 / 37	26.55	24.45	0.279	33.01	-8.56
		2593.0	-2.10	1 / 37	26.53	24.43	0.277	33.01	-8.58
		2682.5	-2.10	1 / 74	26.66	24.56	0.286	33.01	-8.45
	16-QAM	2682.5	-2.10	1 / 37	25.54	23.44	0.221	33.01	-9.57
	64-QAM	2503.5	-2.10	1 / 37	24.62	22.52	0.179	33.01	-10.49
	256-QAM	2593.0	-2.10	1 / 74	21.74	19.64	0.092	33.01	-13.37
20 MHz	QPSK	2506.0	-2.10	1 / 99	26.63	24.53	0.284	33.01	-8.48
		2593.0	-2.10	1 / 99	26.63	24.53	0.284	33.01	-8.48
		2680.0	-2.10	1 / 99	26.60	24.50	0.282	33.01	-8.51
	16-QAM	2593.0	-2.10	1 / 50	25.48	23.38	0.218	33.01	-9.63
	64-QAM	2593.0	-2.10	1 / 99	24.70	22.60	0.182	33.01	-10.41
	256-QAM	2506.0	-2.10	1 / 99	21.80	19.70	0.093	33.01	-13.31

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

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-10-R1.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 359 of 427

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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	-2.10	1 / 24	25.56	23.46	0.222	33.01	-9.55
		2593.0	-2.10	1 / 0	25.70	23.60	0.229	33.01	-9.41
		2687.5	-2.10	1 / 12	25.67	23.57	0.228	33.01	-9.44
	16-QAM	2498.5	-2.10	1 / 24	24.69	22.59	0.182	33.01	-10.42
	64-QAM	2687.5	-2.10	1 / 0	23.68	21.58	0.144	33.01	-11.43
	256-QAM	2593.0	-2.10	1 / 0	20.81	18.71	0.074	33.01	-14.30
10 MHz	QPSK	2501.0	-2.10	1 / 25	25.68	23.58	0.228	33.01	-9.43
		2593.0	-2.10	1 / 0	25.65	23.55	0.226	33.01	-9.46
		2685.0	-2.10	1 / 0	25.70	23.60	0.229	33.01	-9.41
	16-QAM	2593.0	-2.10	1 / 49	24.71	22.61	0.182	33.01	-10.40
	64-QAM	2593.0	-2.10	1 / 49	23.69	21.59	0.144	33.01	-11.42
	256-QAM	2593.0	-2.10	1 / 0	20.80	18.70	0.074	33.01	-14.31
15 MHz	QPSK	2503.5	-2.10	1 / 74	25.58	23.48	0.223	33.01	-9.53
		2593.0	-2.10	1 / 37	25.70	23.60	0.229	33.01	-9.41
		2682.5	-2.10	1 / 74	25.58	23.48	0.223	33.01	-9.53
	16-QAM	2503.5	-2.10	1 / 37	24.70	22.60	0.182	33.01	-10.41
	64-QAM	2503.5	-2.10	1 / 0	23.67	21.57	0.144	33.01	-11.44
	256-QAM	2503.5	-2.10	1 / 37	20.80	18.70	0.074	33.01	-14.31
20 MHz	QPSK	2506.0	-2.10	1 / 99	25.70	23.60	0.229	33.01	-9.41
		2593.0	-2.10	1 / 50	25.61	23.51	0.224	33.01	-9.50
		2680.0	-2.10	1 / 0	25.70	23.60	0.229	33.01	-9.41
	16-QAM	2680.0	-2.10	1 / 50	24.65	22.55	0.180	33.01	-10.46
	64-QAM	2680.0	-2.10	1 / 50	23.70	21.60	0.145	33.01	-11.41
	256-QAM	2593.0	-2.10	1 / 50	20.79	18.69	0.074	33.01	-14.32

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

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-10-R1.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 360 of 427

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NR Band n30

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	$\pi/2$ BPSK	2307.5	0.70	25 / 0	22.35	23.05	0.202	23.98	-0.93
		2310.0	0.70	25 / 0	22.30	23.00	0.200	23.98	-0.98
		2312.5	0.70	25 / 0	22.31	23.01	0.200	23.98	-0.97
	QPSK	2307.5	0.70	25 / 0	22.19	22.89	0.195	23.98	-1.09
		2310.0	0.70	25 / 0	22.09	22.79	0.190	23.98	-1.19
		2312.5	0.70	25 / 0	22.14	22.84	0.192	23.98	-1.14
	16-QAM	2307.5	0.70	25 / 0	21.51	22.21	0.166	23.98	-1.77
	64-QAM	2307.5	0.70	25 / 0	20.55	21.25	0.133	23.98	-2.73
	256-QAM	2312.5	0.70	25 / 0	17.91	18.61	0.073	23.98	-5.37
10 MHz	$\pi/2$ BPSK	2310.0	0.70	50 / 0	22.33	23.03	0.201	23.98	-0.95
	QPSK	2310.0	0.70	50 / 0	22.19	22.89	0.195	23.98	-1.09
	16-QAM	2310.0	0.70	50 / 0	21.34	22.04	0.160	23.98	-1.94
	64-QAM	2310.0	0.70	50 / 0	20.48	21.18	0.131	23.98	-2.80
	256-QAM	2310.0	0.70	50 / 0	17.82	18.52	0.071	23.98	-5.46

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

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-10-R1.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 361 of 427

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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	-1.50	1 / 12	24.70	23.20	0.209	33.01	-9.81
		2535.0	-1.50	1 / 1	24.66	23.16	0.207	33.01	-9.85
		2567.5	-1.50	1 / 12	24.57	23.07	0.203	33.01	-9.94
	QPSK	2502.5	-1.50	1 / 23	24.60	23.10	0.204	33.01	-9.91
		2535.0	-1.50	1 / 1	24.49	22.99	0.199	33.01	-10.02
		2567.5	-1.50	1 / 12	24.47	22.97	0.198	33.01	-10.04
	16-QAM	2535.0	-1.50	1 / 12	23.72	22.22	0.167	33.01	-10.79
	64-QAM	2502.5	-1.50	1 / 23	22.72	21.22	0.132	33.01	-11.79
10 MHz	π/2 BPSK	2502.5	-1.50	1 / 1	24.44	22.94	0.197	33.01	-10.07
		2535.0	-1.50	1 / 25	24.45	22.95	0.197	33.01	-10.06
		2565.0	-1.50	1 / 50	24.70	23.20	0.209	33.01	-9.81
	QPSK	2505.0	-1.50	1 / 25	24.70	23.20	0.209	33.01	-9.81
		2535.0	-1.50	1 / 50	24.69	23.19	0.208	33.01	-9.82
		2565.0	-1.50	1 / 1	24.59	23.09	0.204	33.01	-9.92
	16-QAM	2505.0	-1.50	1 / 25	23.72	22.22	0.167	33.01	-10.79
	64-QAM	2565.0	-1.50	1 / 1	22.68	21.18	0.131	33.01	-11.83
15 MHz	π/2 BPSK	2565.0	-1.50	1 / 1	19.81	18.31	0.068	33.01	-14.70
		2507.5	-1.50	1 / 77	24.55	23.05	0.202	33.01	-9.96
		2535.0	-1.50	1 / 1	24.69	23.19	0.208	33.01	-9.82
	QPSK	2562.5	-1.50	1 / 77	24.68	23.18	0.208	33.01	-9.83
		2507.5	-1.50	1 / 77	24.70	23.20	0.209	33.01	-9.81
		2535.0	-1.50	1 / 1	24.40	22.90	0.195	33.01	-10.11
	16-QAM	2562.5	-1.50	1 / 36	24.66	23.16	0.207	33.01	-9.85
		2507.5	-1.50	1 / 1	23.67	22.17	0.165	33.01	-10.84
20 MHz	π/2 BPSK	2562.5	-1.50	1 / 77	22.64	21.14	0.130	33.01	-11.87
		2535.0	-1.50	1 / 36	19.79	18.29	0.067	33.01	-14.72
		2507.5	-1.50	1 / 1	23.67	22.17	0.165	33.01	-10.84
	QPSK	2562.5	-1.50	1 / 77	22.64	21.14	0.130	33.01	-11.87
		2535.0	-1.50	1 / 36	19.79	18.29	0.067	33.01	-14.72
		2507.5	-1.50	1 / 1	23.67	22.17	0.165	33.01	-10.84
	16-QAM	2562.5	-1.50	1 / 77	22.64	21.14	0.130	33.01	-11.87
	64-QAM	2535.0	-1.50	1 / 36	19.79	18.29	0.067	33.01	-14.72
25 MHz	π/2 BPSK	2510.0	-1.50	1 / 50	24.58	23.08	0.203	33.01	-9.93
		2535.0	-1.50	1 / 50	24.70	23.20	0.209	33.01	-9.81
		2560.0	-1.50	1 / 104	24.56	23.06	0.202	33.01	-9.95
	QPSK	2510.0	-1.50	1 / 1	24.63	23.13	0.206	33.01	-9.88
		2535.0	-1.50	1 / 104	24.67	23.17	0.207	33.01	-9.84
		2560.0	-1.50	1 / 104	24.51	23.01	0.200	33.01	-10.00
	16-QAM	2560.0	-1.50	1 / 104	23.72	22.22	0.167	33.01	-10.79
	64-QAM	2535.0	-1.50	1 / 1	22.70	21.20	0.132	33.01	-11.81
30 MHz	π/2 BPSK	2560.0	-1.50	1 / 50	19.77	18.27	0.067	33.01	-14.74
		2512.5	-1.50	1 / 131	24.70	23.20	0.209	33.01	-9.81
		2535.0	-1.50	1 / 131	24.68	23.18	0.208	33.01	-9.83
	QPSK	2557.5	-1.50	1 / 1	24.36	22.86	0.193	33.01	-10.15
		2512.5	-1.50	1 / 131	24.46	22.96	0.198	33.01	-10.05
		2535.0	-1.50	1 / 131	24.70	23.20	0.209	33.01	-9.81
	16-QAM	2557.5	-1.50	1 / 131	24.64	23.14	0.206	33.01	-9.87
		2512.5	-1.50	1 / 1	23.70	22.20	0.166	33.01	-10.81
35 MHz	π/2 BPSK	2535.0	-1.50	1 / 1	22.60	21.10	0.129	33.01	-11.91
		2557.5	-1.50	1 / 64	19.80	18.30	0.068	33.01	-14.71
		2512.5	-1.50	1 / 131	24.46	22.96	0.198	33.01	-10.05
	QPSK	2557.5	-1.50	1 / 131	24.64	23.14	0.206	33.01	-9.87
		2535.0	-1.50	1 / 131	24.70	23.20	0.209	33.01	-9.81
		2512.5	-1.50	1 / 1	23.70	22.20	0.166	33.01	-10.81
	16-QAM	2535.0	-1.50	1 / 1	22.60	21.10	0.129	33.01	-11.91
	64-QAM	2557.5	-1.50	1 / 64	19.80	18.30	0.068	33.01	-14.71
40 MHz	π/2 BPSK	2515.0	-1.50	1 / 80	24.63	23.13	0.206	33.01	-9.88
		2535.0	-1.50	1 / 1	24.64	23.14	0.206	33.01	-9.87
		2555.0	-1.50	1 / 80	24.34	22.84	0.192	33.01	-10.17
	QPSK	2515.0	-1.50	1 / 1	24.63	23.13	0.206	33.01	-9.88
		2535.0	-1.50	1 / 1	24.70	23.20	0.209	33.01	-9.81
		2555.0	-1.50	1 / 1	24.52	23.02	0.200	33.01	-9.99
	16-QAM	2535.0	-1.50	1 / 80	23.63	22.13	0.163	33.01	-10.88
	64-QAM	2535.0	-1.50	1 / 80	22.70	21.20	0.132	33.01	-11.81
45 MHz	π/2 BPSK	2535.0	-1.50	1 / 158	19.72	18.22	0.066	33.01	-14.79
		2517.5	-1.50	1 / 186	24.45	22.95	0.197	33.01	-10.06
		2535.0	-1.50	1 / 1	24.65	23.15	0.207	33.01	-9.86
	QPSK	2552.5	-1.50	1 / 1	24.70	23.20	0.209	33.01	-9.81
		2517.5	-1.50	1 / 93	24.70	23.20	0.209	33.01	-9.81
		2535.0	-1.50	1 / 186	24.37	22.87	0.194	33.01	-10.14
	16-QAM	2552.5	-1.50	1 / 93	24.68	23.18	0.208	33.01	-9.83
		2517.5	-1.50	1 / 1	23.67	22.17	0.165	33.01	-10.84
50 MHz	π/2 BPSK	2535.0	-1.50	1 / 93	22.62	21.12	0.129	33.01	-11.89
		2552.5	-1.50	1 / 93	19.79	18.29	0.067	33.01	-14.72
		2520.0	-1.50	1 / 214	24.69	23.19	0.208	33.01	-9.82
	QPSK	2535.0	-1.50	1 / 214	24.70	23.20	0.209	33.01	-9.81
		2550.0	-1.50	1 / 108	24.62	23.12	0.205	33.01	-9.89
		2520.0	-1.50	1 / 108	24.50	23.00	0.200	33.01	-10.01
	16-QAM	2550.0	-1.50	1 / 214	24.53	23.03	0.201	33.01	-9.98
	64-QAM	2550.0	-1.50	1 / 1	22.69	21.19	0.132	33.01	-11.82
55 MHz	π/2 BPSK	2520.0	-1.50	1 / 214	19.76	18.26	0.067	33.01	-14.75
		2550.0	-1.50	1 / 108	24.62	23.12	0.205	33.01	-9.89

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

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-10-R1.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 362 of 427

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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]
10 MHz	11/2 BPSK	2501.0	-2.10	1 / 12	26.33	24.23	0.265	33.01	-8.76
		2593.0	-2.10	1 / 22	26.63	24.53	0.284	33.01	-8.48
		2695.0	-2.10	1 / 22	26.66	24.56	0.286	33.01	-8.45
	QPSK	2501.0	-2.10	1 / 12	26.29	24.19	0.262	33.01	-8.82
		2593.0	-2.10	1 / 12	26.70	24.60	0.288	33.01	-8.41
		2685.0	-2.10	1 / 22	26.43	24.33	0.271	33.01	-8.68
	16-QAM	2685.0	-2.10	1 / 22	25.64	23.54	0.226	33.01	-9.47
	64-QAM	2593.0	-2.10	1 / 12	24.29	22.19	0.165	33.01	-10.83
	256-QAM	2593.0	-2.10	1 / 22	22.10	20.00	0.100	33.01	-13.01
15 MHz	11/2 BPSK	2503.5	-2.10	1 / 36	26.45	24.35	0.272	33.01	-8.66
		2593.0	-2.10	1 / 36	26.68	24.58	0.287	33.01	-8.43
		2682.5	-2.10	1 / 36	26.61	24.51	0.282	33.01	-8.50
	QPSK	2503.5	-2.10	1 / 18	26.48	24.38	0.274	33.01	-8.63
		2593.0	-2.10	1 / 36	26.70	24.60	0.288	33.01	-8.41
		2682.5	-2.10	1 / 18	26.18	24.08	0.256	33.01	-8.93
	16-QAM	2593.0	-2.10	1 / 36	25.66	23.56	0.227	33.01	-9.45
	64-QAM	2593.0	-2.10	1 / 36	24.29	22.19	0.166	33.01	-10.82
	256-QAM	2593.0	-2.10	1 / 36	22.22	20.12	0.103	33.01	-12.89
20 MHz	11/2 BPSK	2506.0	-2.10	1 / 49	26.45	24.35	0.272	33.01	-8.66
		2593.0	-2.10	1 / 49	26.68	24.58	0.287	33.01	-8.43
		2680.0	-2.10	1 / 49	26.57	24.47	0.280	33.01	-8.54
	QPSK	2506.0	-2.10	1 / 49	26.48	24.38	0.274	33.01	-8.63
		2593.0	-2.10	1 / 49	26.70	24.60	0.288	33.01	-8.41
		2680.0	-2.10	1 / 25	26.27	24.17	0.261	33.01	-8.84
	16-QAM	2593.0	-2.10	1 / 25	25.69	23.59	0.229	33.01	-9.42
	64-QAM	2680.0	-2.10	1 / 49	24.17	22.07	0.161	33.01	-10.94
	256-QAM	2680.0	-2.10	1 / 49	22.04	19.94	0.099	33.01	-13.07
30 MHz	11/2 BPSK	2511.0	-2.10	1 / 76	26.60	24.50	0.282	33.01	-8.51
		2593.0	-2.10	1 / 76	26.67	24.57	0.287	33.01	-8.44
		2675.0	-2.10	1 / 36	26.41	24.31	0.270	33.01	-8.70
	QPSK	2511.0	-2.10	1 / 76	26.63	24.53	0.284	33.01	-8.48
		2593.0	-2.10	1 / 76	26.70	24.60	0.288	33.01	-8.41
		2675.0	-2.10	1 / 36	25.96	23.86	0.243	33.01	-9.15
	16-QAM	2593.0	-2.10	1 / 36	25.67	23.57	0.227	33.01	-9.44
	64-QAM	2593.0	-2.10	1 / 76	24.30	22.20	0.166	33.01	-10.81
	256-QAM	2675.0	-2.10	1 / 76	22.05	19.95	0.099	33.01	-13.06
40 MHz	11/2 BPSK	2516.0	-2.10	1 / 104	26.56	24.46	0.279	33.01	-8.55
		2593.0	-2.10	1 / 104	26.62	24.52	0.283	33.01	-8.49
		2670.0	-2.10	1 / 50	26.42	24.32	0.271	33.01	-8.69
	QPSK	2516.0	-2.10	1 / 104	26.64	24.54	0.284	33.01	-8.47
		2593.0	-2.10	1 / 104	26.70	24.60	0.288	33.01	-8.41
		2670.0	-2.10	1 / 50	26.28	24.18	0.262	33.01	-8.83
	16-QAM	2593.0	-2.10	1 / 104	25.76	23.66	0.232	33.01	-9.35
	64-QAM	2593.0	-2.10	1 / 104	24.16	22.06	0.161	33.01	-10.95
	256-QAM	2593.0	-2.10	1 / 104	21.92	19.82	0.096	33.01	-13.19
50 MHz	11/2 BPSK	2521.0	-2.10	1 / 131	26.48	24.38	0.274	33.01	-8.63
		2593.0	-2.10	1 / 131	26.69	24.59	0.288	33.01	-8.42
		2665.0	-2.10	1 / 64	26.49	24.39	0.275	33.01	-8.62
	QPSK	2521.0	-2.10	1 / 131	26.45	24.35	0.272	33.01	-8.66
		2593.0	-2.10	1 / 131	26.66	24.56	0.286	33.01	-8.45
		2665.0	-2.10	1 / 64	26.62	24.52	0.283	33.01	-8.49
	16-QAM	2593.0	-2.10	1 / 64	25.94	23.84	0.242	33.01	-9.17
	64-QAM	2593.0	-2.10	1 / 64	24.34	22.24	0.168	33.01	-10.77
	256-QAM	2665.0	-2.10	1 / 131	22.79	20.69	0.117	33.01	-12.32
60 MHz	11/2 BPSK	2526.0	-2.10	1 / 160	26.49	24.39	0.275	33.01	-8.62
		2593.0	-2.10	1 / 81	26.52	24.42	0.277	33.01	-8.59
		2660.0	-2.10	1 / 81	26.43	24.33	0.271	33.01	-8.69
	QPSK	2526.0	-2.10	1 / 160	26.56	24.46	0.279	33.01	-8.55
		2593.0	-2.10	1 / 160	26.56	24.46	0.279	33.01	-8.55
		2660.0	-2.10	1 / 160	25.89	23.79	0.239	33.01	-9.22
	16-QAM	2593.0	-2.10	1 / 81	25.67	23.57	0.228	33.01	-9.44
	64-QAM	2660.0	-2.10	1 / 81	23.92	21.82	0.152	33.01	-11.19
	256-QAM	2660.0	-2.10	1 / 160	22.89	20.79	0.120	33.01	-12.22
70 MHz	11/2 BPSK	2531.0	-2.10	1 / 90	26.59	24.49	0.281	33.01	-8.52
		2593.0	-2.10	1 / 90	26.70	24.60	0.288	33.01	-8.41
		2655.0	-2.10	1 / 187	26.47	24.37	0.274	33.01	-8.64
	QPSK	2531.0	-2.10	1 / 90	26.52	24.42	0.276	33.01	-8.59
		2593.0	-2.10	1 / 187	26.62	24.52	0.283	33.01	-8.49
		2655.0	-2.10	1 / 90	26.45	24.35	0.272	33.01	-8.66
	16-QAM	2593.0	-2.10	1 / 187	25.97	23.87	0.244	33.01	-9.14
	64-QAM	2655.0	-2.10	1 / 90	24.32	22.22	0.167	33.01	-10.79
	256-QAM	2655.0	-2.10	1 / 187	22.71	20.61	0.115	33.01	-12.40
80 MHz	11/2 BPSK	2536.0	-2.10	1 / 215	26.50	24.40	0.275	33.01	-8.61
		2593.0	-2.10	1 / 108	26.68	24.58	0.287	33.01	-8.43
		2650.0	-2.10	1 / 108	26.51	24.41	0.276	33.01	-8.60
	QPSK	2536.0	-2.10	1 / 108	26.57	24.47	0.280	33.01	-8.54
		2593.0	-2.10	1 / 215	26.56	24.46	0.279	33.01	-8.55
		2650.0	-2.10	1 / 108	26.46	24.36	0.273	33.01	-8.65
	16-QAM	2536.0	-2.10	1 / 215	25.71	23.61	0.230	33.01	-9.40
	64-QAM	2536.0	-2.10	1 / 108	24.27	22.17	0.165	33.01	-10.84
	256-QAM	2650.0	-2.10	1 / 215	22.75	20.65	0.116	33.01	-12.36
90 MHz	11/2 BPSK	2541.0	-2.10	1 / 120	26.67	24.57	0.286	33.01	-8.44
		2593.0	-2.10	1 / 120	26.68	24.58	0.287	33.01	-8.43
		2645.0	-2.10	1 / 120	26.62	24.52	0.283	33.01	-8.49
	QPSK	2541.0	-2.10	1 / 120	26.58	24.48	0.281	33.01	-8.53
		2593.0	-2.10	1 / 120	26.51	24.41	0.276	33.01	-8.60
		2645.0	-2.10	1 / 120	26.47	24.37	0.273	33.01	-8.64
	16-QAM	2593.0	-2.10	1 / 120	25.87	23.77	0.238	33.01	-9.24
	64-QAM	2541.0	-2.10	1 / 243	24.24	22.14	0.164	33.01	-10.87
	256-QAM	2645.0	-2.10	1 / 243	22.60	20.50	0.112	33.01	-12.51
100 MHz	11/2 BPSK	2546.0	-2.10	1 / 271	26.70	24.60	0.288	33.01	-8.41
		2593.0	-2.10	1 / 271	26.43	24.33	0.271	33.01	-8.68
		2640.0	-2.10	1 / 271	26.36	24.26	0.267	33.01	-8.75
	QPSK	2546.0	-2.10	1 / 135	26.11	24.01	0.252	33.01	-9.00
		2593.0	-2.10	1 / 271	26.07	23.97	0.250	33.01	-9.04
		2640.0	-2.10	1 / 135	25.87	23.77	0.238	33.01	-9.24
	16-QAM	2546.0	-2.10	1 / 135	25.51	23.41	0.220	33.01	-9.60
	64-QAM	2546.0	-2.10	1 / 135	23.99	21.89	0.155	33.01	-11.12
	256-QAM	2640.0	-2.10	1 / 271	22.25	20.15	0.103	33.01	-12.86

Table 7-31. Antenna 3b EIRP Data (NR Band n41(PC2))

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-10-R1.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 363 of 427

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NR Band n41(PC3)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	11/2 BPSK	2501.0	-2.10	1 / 12	25.36	23.26	0.212	33.01	-9.76
		2593.0	-2.10	1 / 12	25.68	23.58	0.228	33.01	-9.43
		2685.0	-2.10	1 / 12	25.67	23.57	0.227	33.01	-9.44
	QPSK	2501.0	-2.10	1 / 12	25.38	23.28	0.213	33.01	-9.73
		2593.0	-2.10	1 / 12	25.63	23.53	0.225	33.01	-9.48
		2685.0	-2.10	1 / 12	25.67	23.57	0.228	33.01	-9.44
	16-QAM	2685.0	-2.10	1 / 12	24.55	22.45	0.176	33.01	-10.56
		2685.0	-2.10	1 / 12	23.31	21.21	0.132	33.01	-11.80
		2685.0	-2.10	1 / 22	21.13	19.03	0.080	33.01	-13.98
	256-QAM	2685.0	-2.10	1 / 22	21.13	19.03	0.080	33.01	-13.98
15 MHz	11/2 BPSK	2503.5	-2.10	1 / 36	25.44	23.34	0.216	33.01	-9.67
		2593.0	-2.10	1 / 36	25.64	23.54	0.226	33.01	-9.47
		2682.5	-2.10	1 / 36	25.65	23.55	0.227	33.01	-9.46
	QPSK	2503.5	-2.10	1 / 36	25.45	23.35	0.216	33.01	-9.66
		2593.0	-2.10	1 / 36	25.70	23.60	0.229	33.01	-9.41
		2682.5	-2.10	1 / 36	25.62	23.52	0.225	33.01	-9.50
	16-QAM	2593.0	-2.10	1 / 36	24.68	22.58	0.181	33.01	-10.43
		2682.5	-2.10	1 / 18	23.12	21.02	0.126	33.01	-12.00
		2682.5	-2.10	1 / 18	20.94	18.84	0.077	33.01	-14.17
	256-QAM	2682.5	-2.10	1 / 18	20.94	18.84	0.077	33.01	-14.17
20 MHz	11/2 BPSK	2506.0	-2.10	1 / 25	25.47	23.37	0.217	33.01	-9.64
		2593.0	-2.10	1 / 25	25.68	23.58	0.228	33.01	-9.43
		2680.0	-2.10	1 / 49	25.67	23.57	0.228	33.01	-9.44
	QPSK	2506.0	-2.10	1 / 25	25.52	23.42	0.220	33.01	-9.59
		2593.0	-2.10	1 / 25	25.67	23.57	0.228	33.01	-9.44
		2680.0	-2.10	1 / 49	25.70	23.60	0.229	33.01	-9.41
	16-QAM	2680.0	-2.10	1 / 49	24.90	22.80	0.191	33.01	-10.21
		2593.0	-2.10	1 / 25	23.22	21.12	0.129	33.01	-11.89
		2593.0	-2.10	1 / 25	20.97	18.87	0.077	33.01	-14.14
	256-QAM	2593.0	-2.10	1 / 25	20.97	18.87	0.077	33.01	-14.14
30 MHz	11/2 BPSK	2511.0	-2.10	1 / 76	25.63	23.53	0.226	33.01	-9.48
		2593.0	-2.10	1 / 76	25.69	23.59	0.228	33.01	-9.42
		2675.0	-2.10	1 / 76	25.65	23.55	0.226	33.01	-9.46
	QPSK	2511.0	-2.10	1 / 76	25.70	23.60	0.229	33.01	-9.41
		2593.0	-2.10	1 / 36	25.70	23.60	0.229	33.01	-9.41
		2675.0	-2.10	1 / 76	25.60	23.50	0.224	33.01	-9.51
	16-QAM	2675.0	-2.10	1 / 36	24.67	22.57	0.181	33.01	-10.44
		2593.0	-2.10	1 / 76	23.17	21.07	0.128	33.01	-11.94
		2593.0	-2.10	1 / 76	21.22	19.12	0.082	33.01	-13.89
	256-QAM	2511.0	-2.10	1 / 76	21.22	19.12	0.082	33.01	-13.89
40 MHz	11/2 BPSK	2516.0	-2.10	1 / 104	25.69	23.59	0.229	33.01	-9.42
		2593.0	-2.10	1 / 104	25.67	23.57	0.227	33.01	-9.44
		2670.0	-2.10	1 / 104	25.61	23.51	0.224	33.01	-9.50
	QPSK	2516.0	-2.10	1 / 104	25.66	23.56	0.227	33.01	-9.45
		2593.0	-2.10	1 / 104	25.60	23.50	0.224	33.01	-9.51
		2670.0	-2.10	1 / 104	25.69	23.59	0.229	33.01	-9.42
	16-QAM	2670.0	-2.10	1 / 104	24.62	22.52	0.179	33.01	-10.49
		2670.0	-2.10	1 / 104	23.05	20.95	0.124	33.01	-12.06
		2516.0	-2.10	1 / 104	21.23	19.13	0.082	33.01	-13.88
	256-QAM	2516.0	-2.10	1 / 104	21.23	19.13	0.082	33.01	-13.88
50 MHz	11/2 BPSK	2521.0	-2.10	1 / 131	25.50	23.40	0.219	33.01	-9.61
		2593.0	-2.10	1 / 131	25.60	23.50	0.224	33.01	-9.51
		2665.0	-2.10	1 / 131	25.60	23.50	0.224	33.01	-9.51
	QPSK	2521.0	-2.10	1 / 131	25.45	23.35	0.216	33.01	-9.66
		2593.0	-2.10	1 / 64	25.70	23.60	0.229	33.01	-9.41
		2665.0	-2.10	1 / 64	25.39	23.29	0.213	33.01	-9.72
	16-QAM	2593.0	-2.10	1 / 131	24.52	22.42	0.175	33.01	-10.59
		2593.0	-2.10	1 / 131	23.23	21.13	0.130	33.01	-11.88
		2593.0	-2.10	1 / 131	21.16	19.06	0.081	33.01	-13.95
	256-QAM	2593.0	-2.10	1 / 131	21.16	19.06	0.081	33.01	-13.95
60 MHz	11/2 BPSK	2526.0	-2.10	1 / 160	25.49	23.39	0.218	33.01	-9.62
		2593.0	-2.10	1 / 81	25.54	23.44	0.221	33.01	-9.57
		2660.0	-2.10	1 / 81	25.47	23.37	0.217	33.01	-9.64
	QPSK	2526.0	-2.10	1 / 160	25.52	23.42	0.220	33.01	-9.59
		2593.0	-2.10	1 / 81	25.52	23.42	0.220	33.01	-9.59
		2660.0	-2.10	1 / 81	25.37	23.27	0.213	33.01	-9.74
	16-QAM	2593.0	-2.10	1 / 81	24.76	22.66	0.184	33.01	-10.35
		2593.0	-2.10	1 / 81	23.06	20.96	0.125	33.01	-12.05
		2593.0	-2.10	1 / 81	20.92	18.82	0.076	33.01	-14.19
	256-QAM	2593.0	-2.10	1 / 81	20.92	18.82	0.076	33.01	-14.19
70 MHz	11/2 BPSK	2531.0	-2.10	1 / 90	25.60	23.50	0.224	33.01	-9.51
		2593.0	-2.10	1 / 90	25.61	23.51	0.224	33.01	-9.50
		2655.0	-2.10	1 / 187	25.52	23.42	0.220	33.01	-9.59
	QPSK	2531.0	-2.10	1 / 187	25.54	23.44	0.221	33.01	-9.57
		2593.0	-2.10	1 / 90	25.70	23.60	0.229	33.01	-9.41
		2655.0	-2.10	1 / 90	25.35	23.25	0.211	33.01	-9.76
	16-QAM	2593.0	-2.10	1 / 90	24.76	22.66	0.184	33.01	-10.35
		2593.0	-2.10	1 / 90	23.10	21.00	0.126	33.01	-12.01
		2593.0	-2.10	1 / 187	21.22	19.12	0.082	33.01	-13.89
	256-QAM	2593.0	-2.10	1 / 187	21.22	19.12	0.082	33.01	-13.89
80 MHz	11/2 BPSK	2536.0	-2.10	1 / 215	25.47	23.37	0.217	33.01	-9.64
		2593.0	-2.10	1 / 108	25.49	23.39	0.218	33.01	-9.62
		2650.0	-2.10	1 / 108	25.40	23.30	0.214	33.01	-9.71
	QPSK	2536.0	-2.10	1 / 215	25.54	23.44	0.221	33.01	-9.58
		2593.0	-2.10	1 / 215	25.70	23.60	0.229	33.01	-9.41
		2650.0	-2.10	1 / 108	25.32	23.22	0.210	33.01	-9.79
	16-QAM	2593.0	-2.10	1 / 215	24.43	22.33	0.171	33.01	-10.68
		2593.0	-2.10	1 / 215	23.00	20.90	0.123	33.01	-12.11
		2593.0	-2.10	1 / 108	20.89	18.79	0.076	33.01	-14.22
	256-QAM	2593.0	-2.10	1 / 108	20.89	18.79	0.076	33.01	-14.22
90 MHz	11/2 BPSK	2541.0	-2.10	1 / 243	25.67	23.57	0.227	33.01	-9.44
		2593.0	-2.10	1 / 120	25.67	23.57	0.227	33.01	-9.44
		2645.0	-2.10	1 / 243	25.55	23.45	0.221	33.01	-9.56
	QPSK	2541.0	-2.10	1 / 243	25.64	23.54	0.226	33.01	-9.47
		2593.0	-2.10	1 / 120	25.55	23.45	0.221	33.01	-9.56
		2645.0	-2.10	1 / 120	25.39	23.29	0.213	33.01	-9.72
	16-QAM	2593.0	-2.10	1 / 120	24.61	22.51	0.178	33.01	-10.51
		2541.0	-2.10	1 / 243	23.28	21.18	0.131	33.01	-11.83
		2541.0	-2.10	1 / 243	21.22	19.12	0.082	33.01	-13.89
	256-QAM	2541.0	-2.10	1 / 243	21.22	19.12	0.082	33.01	-13.89
100 MHz	11/2 BPSK	2546.0	-2.10	1 / 271	25.40	23.30	0.214	33.01	-9.71
		2593.0	-2.10	1 / 135	25.53	23.43	0.220	33.01	-9.58
		2640.0	-2.10	1 / 135	25.47	23.37	0.217	33.01	-9.64
	QPSK	2546.0	-2.10	1 / 271	25.51	23.41	0.219	33.01	-9.60
		2593.0	-2.10	1 / 135	25.42	23.32	0.215	33.01	-9.69
		2640.0	-2.10	1 / 135	25.15	23.05	0.202	33.01	-9.95
	16-QAM	2546.0	-2.10	1 / 271	24.57	22.47	0.177	33.01	-10.54
		2640.0	-2.10	1 / 271	23.04	20.94	0.124	33.01	-12.07
		2593.0	-2.10	1 / 135	20.94	18.84	0.077	33.01	-14.17
	256-QAM	2593.0	-2.10	1 / 135	20.94	18.84	0.077	33.01	-14.17

Table 7-32. Antenna 3b EIRP Data (NR Band n41(PC3))

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-10-R1.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 364 of 427

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ULCA LTE 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	-1.50	22.86	0.193	33.01	-10.15
				21100	2535.0	1	99		21298	2549.8	1	0	24.52	-1.50	23.02	0.200	33.01	-9.99
				21350	2560.0	1	0		21152	2540.2	1	99	24.48	-1.50	22.98	0.199	33.01	-10.03
			QPSK	21100	2535	100	0	QPSK	21298	2554.8	100	0	23.12	-1.50	21.62	0.145	33.01	-11.39
			16-QAM	21100	2535	100	0	16-QAM	21298	2554.8	100	0	22.28	-1.50	20.78	0.120	33.01	-12.23
			64-QAM	21100	2535	100	0	64-QAM	21298	2554.8	100	0	21.05	-1.50	19.55	0.090	33.01	-13.46
			256-QAM	21100	2535	100	0	256-QAM	21298	2554.8	100	0	19.22	-1.50	17.72	0.059	33.01	-15.29

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

ULCA LTE 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	26.34	-2.10	24.24	0.265	33.01	-8.77
			40620	2593.0	1	99	40818	2612.8	1	0	26.46	-2.10	24.36	0.273	33.01	-8.65		
			41490	2680.0	1	0	41292	2660.2	1	99	26.58	-2.10	24.48	0.281	33.01	-8.53		
			QPSK	41490	2680	100	0	QPSK	41292	2660.2	100	0	24.69	-2.10	22.59	0.182	33.01	-10.42
			16-QAM	41490	2680	100	0	16-QAM	41292	2660.2	100	0	23.55	-2.10	21.45	0.140	33.01	-11.56
			64-QAM	41490	2680	100	0	64-QAM	41292	2660.2	100	0	23.08	-2.10	20.98	0.125	33.01	-12.03
			256-QAM	41490	2680	100	0	256-QAM	41292	2660.2	100	0	21.04	-2.10	18.94	0.078	33.01	-14.07

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

ULCA LTE Band 41(PC3)

Power State	Band	Bandwidth (PCC + SCC)	PCC				SCC					ULCA T.x. Power [dBm]	Ant. Gain [dBi]	ERP [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		39750	2506.0	1	99		39948	2525.8	1	0	25.42	-2.10	23.32	0.215	33.01	-9.69
			QPSK	40620	2593.0	1	99	QPSK	40818	2612.8	1	0	25.56	-2.10	23.46	0.222	33.01	-9.55
			41490	2680.0	1	0	41292	2660.2	99	1	99	25.64	-2.10	23.54	0.226	33.01	-9.47	
			QPSK	41490	2680	100	0	QPSK	41292	2660.2	100	0	22.55	-2.10	20.45	0.111	33.01	-12.56
			16-QAM	41490	2680	100	0	16-QAM	41292	2660.2	100	0	22.48	-2.10	20.38	0.109	33.01	-12.63
			64-QAM	41490	2680	100	0	64-QAM	41292	2660.2	100	0	22.45	-2.10	20.35	0.108	33.01	-12.66
			256-QAM	41490	2680	100	0	256-QAM	41292	2660.2	100	0	22.42	-2.10	20.32	0.108	33.01	-12.69

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

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.6.4 Antenna 2 - EIRP

LTE-Band 30

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2307.5	2.00	1 / 12	21.39	23.39	0.218	23.98	-0.59
		2310.0	2.00	1 / 24	21.45	23.45	0.221	23.98	-0.53
		2312.5	2.00	1 / 0	21.28	23.28	0.213	23.98	-0.70
	16-QAM	2310.0	2.00	1 / 12	20.41	22.41	0.174	23.98	-1.57
	64-QAM	2310.0	2.00	1 / 12	19.48	21.48	0.141	23.98	-2.50
	256-QAM	2312.5	2.00	1 / 24	16.61	18.61	0.073	23.98	-5.37
10 MHz	QPSK	2310.0	2.00	1 / 25	21.40	23.40	0.219	23.98	-0.58
	16-QAM	2310.0	2.00	1 / 25	20.44	22.44	0.175	23.98	-1.54
	64-QAM	2310.0	2.00	1 / 25	19.39	21.39	0.138	23.98	-2.59
	256-QAM	2310.0	2.00	1 / 25	16.25	18.25	0.067	23.98	-5.73

Table 7-36. Antenna 2 EIRP Data (LTE Band 30)

FCC ID: BCGA3269	 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	2.30	1 / 12	22.58	24.88	0.308	33.01	-8.13
		2535.0	2.30	1 / 12	22.45	24.75	0.299	33.01	-8.26
		2567.5	2.30	1 / 24	22.70	25.00	0.316	33.01	-8.01
	16-QAM	2567.5	2.30	1 / 0	21.66	23.96	0.249	33.01	-9.05
	64-QAM	2502.5	2.30	1 / 24	20.65	22.95	0.197	33.01	-10.06
	256-QAM	2535.0	2.30	1 / 0	17.79	20.09	0.102	33.01	-12.92
10 MHz	QPSK	2505.0	2.30	1 / 49	22.64	24.94	0.312	33.01	-8.07
		2535.0	2.30	1 / 49	22.70	25.00	0.316	33.01	-8.01
		2565.0	2.30	1 / 25	22.61	24.91	0.310	33.01	-8.10
	16-QAM	2505.0	2.30	1 / 25	21.58	23.88	0.244	33.01	-9.13
	64-QAM	2505.0	2.30	1 / 49	20.70	23.00	0.200	33.01	-10.01
	256-QAM	2565.0	2.30	1 / 0	17.78	20.08	0.102	33.01	-12.93
15 MHz	QPSK	2507.5	2.30	1 / 0	22.49	24.79	0.301	33.01	-8.22
		2535.0	2.30	1 / 37	22.64	24.94	0.312	33.01	-8.07
		2562.5	2.30	1 / 74	22.66	24.96	0.313	33.01	-8.05
	16-QAM	2507.5	2.30	1 / 0	21.66	23.96	0.249	33.01	-9.05
	64-QAM	2535.0	2.30	1 / 74	20.76	23.06	0.202	33.01	-9.95
	256-QAM	2507.5	2.30	1 / 0	17.84	20.14	0.103	33.01	-12.87
20 MHz	QPSK	2510.0	2.30	1 / 0	22.57	24.87	0.307	33.01	-8.14
		2535.0	2.30	1 / 0	22.70	25.00	0.316	33.01	-8.01
		2560.0	2.30	1 / 50	22.60	24.90	0.309	33.01	-8.11
	16-QAM	2510.0	2.30	1 / 50	21.70	24.00	0.251	33.01	-9.01
	64-QAM	2535.0	2.30	1 / 99	20.70	23.00	0.200	33.01	-10.01
	256-QAM	2510.0	2.30	1 / 0	17.79	20.09	0.102	33.01	-12.92

Table 7-37. Antenna 2 EIRP Data (LTE Band 7)

FCC ID: BCGA3269	 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	2.30	1 / 12	28.18	30.48	1.117	33.01	-2.53
		2593.0	2.30	1 / 12	28.19	30.49	1.119	33.01	-2.52
		2687.5	2.30	1 / 12	27.96	30.26	1.062	33.01	-2.75
	16-QAM	2593.0	2.30	1 / 24	27.19	29.49	0.889	33.01	-3.52
	64-QAM	2593.0	2.30	1 / 24	26.21	28.51	0.710	33.01	-4.50
	256-QAM	2498.5	2.30	1 / 12	23.30	25.60	0.363	33.01	-7.41
10 MHz	QPSK	2501.0	2.30	1 / 49	27.99	30.29	1.069	33.01	-2.72
		2593.0	2.30	1 / 49	27.99	30.29	1.069	33.01	-2.72
		2685.0	2.30	1 / 49	28.14	30.44	1.107	33.01	-2.57
	16-QAM	2501.0	2.30	1 / 25	27.21	29.51	0.893	33.01	-3.50
	64-QAM	2593.0	2.30	1 / 25	26.18	28.48	0.705	33.01	-4.53
	256-QAM	2501.0	2.30	1 / 49	23.35	25.65	0.367	33.01	-7.36
15 MHz	QPSK	2503.5	2.30	1 / 37	27.75	30.05	1.012	33.01	-2.96
		2593.0	2.30	1 / 74	28.07	30.37	1.089	33.01	-2.64
		2682.5	2.30	1 / 37	28.19	30.49	1.119	33.01	-2.52
	16-QAM	2682.5	2.30	1 / 37	27.17	29.47	0.885	33.01	-3.54
	64-QAM	2682.5	2.30	1 / 74	26.15	28.45	0.700	33.01	-4.56
	256-QAM	2503.5	2.30	1 / 74	23.11	25.41	0.348	33.01	-7.60
20 MHz	QPSK	2506.0	2.30	1 / 99	27.91	30.21	1.050	33.01	-2.80
		2593.0	2.30	1 / 99	28.18	30.48	1.117	33.01	-2.53
		2680.0	2.30	1 / 99	28.20	30.50	1.122	33.01	-2.51
	16-QAM	2506.0	2.30	1 / 50	27.11	29.41	0.873	33.01	-3.60
	64-QAM	2680.0	2.30	1 / 50	26.12	28.42	0.695	33.01	-4.59
	256-QAM	2593.0	2.30	1 / 99	23.31	25.61	0.364	33.01	-7.40

Table 7-38. Antenna 2 EIRP Data (LTE Band 41(PC2))

FCC ID: BCGA3269	 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	2.30	1 / 24	25.48	27.78	0.600	33.01	-5.23
		2593.0	2.30	1 / 12	25.48	27.78	0.600	33.01	-5.23
		2687.5	2.30	1 / 12	25.60	27.90	0.617	33.01	-5.11
	16-QAM	2593.0	2.30	1 / 24	24.64	26.94	0.494	33.01	-6.07
	64-QAM	2498.5	2.30	1 / 12	23.73	26.03	0.401	33.01	-6.98
	256-QAM	2593.0	2.30	1 / 24	20.83	23.13	0.206	33.01	-9.88
10 MHz	QPSK	2501.0	2.30	1 / 25	25.70	28.00	0.631	33.01	-5.01
		2593.0	2.30	1 / 49	25.67	27.97	0.627	33.01	-5.04
		2685.0	2.30	1 / 0	25.66	27.96	0.625	33.01	-5.05
	16-QAM	2593.0	2.30	1 / 25	24.70	27.00	0.501	33.01	-6.01
	64-QAM	2593.0	2.30	1 / 0	23.71	26.01	0.399	33.01	-7.00
	256-QAM	2685.0	2.30	1 / 25	20.80	23.10	0.204	33.01	-9.91
15 MHz	QPSK	2503.5	2.30	1 / 0	25.47	27.77	0.598	33.01	-5.24
		2593.0	2.30	1 / 74	25.52	27.82	0.605	33.01	-5.19
		2682.5	2.30	1 / 74	25.70	28.00	0.631	33.01	-5.01
	16-QAM	2682.5	2.30	1 / 0	24.68	26.98	0.499	33.01	-6.03
	64-QAM	2593.0	2.30	1 / 74	23.61	25.91	0.390	33.01	-7.10
	256-QAM	2593.0	2.30	1 / 74	20.82	23.12	0.205	33.01	-9.89
20 MHz	QPSK	2506.0	2.30	1 / 99	25.66	27.96	0.625	33.01	-5.05
		2593.0	2.30	1 / 0	25.59	27.89	0.615	33.01	-5.12
		2680.0	2.30	1 / 50	25.70	28.00	0.631	33.01	-5.01
	16-QAM	2506.0	2.30	1 / 99	24.44	26.74	0.472	33.01	-6.27
	64-QAM	2680.0	2.30	1 / 99	23.70	26.00	0.398	33.01	-7.01
	256-QAM	2506.0	2.30	1 / 99	20.80	23.10	0.204	33.01	-9.91

Table 7-39. Antenna 2 EIRP Data (LTE Band 41(PC3))

FCC ID: BCGA3269	 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	$\pi/2$ BPSK	2307.5	2.00	25 / 0	21.05	23.05	0.202	23.98	-0.93
		2310.0	2.00	25 / 0	21.21	23.21	0.209	23.98	-0.77
		2312.5	2.00	25 / 0	21.00	23.00	0.200	23.98	-0.98
	QPSK	2307.5	2.00	25 / 0	20.96	22.96	0.198	23.98	-1.02
		2310.0	2.00	25 / 0	21.03	23.03	0.201	23.98	-0.95
		2312.5	2.00	25 / 0	21.04	23.04	0.201	23.98	-0.94
	16-QAM	2307.5	2.00	25 / 0	20.35	22.35	0.172	23.98	-1.63
	64-QAM	2310.0	2.00	25 / 0	19.41	21.41	0.138	23.98	-2.57
	256-QAM	2307.5	2.00	25 / 0	16.46	18.46	0.070	23.98	-5.52
10 MHz	$\pi/2$ BPSK	2310.0	2.00	50 / 0	21.03	23.03	0.201	23.98	-0.95
	QPSK	2310.0	2.00	50 / 0	21.04	23.04	0.201	23.98	-0.94
	16-QAM	2310.0	2.00	50 / 0	20.42	22.42	0.175	23.98	-1.56
	64-QAM	2310.0	2.00	50 / 0	19.55	21.55	0.143	23.98	-2.43
	256-QAM	2310.0	2.00	50 / 0	16.52	18.52	0.071	23.98	-5.46

Table 7-40. Antenna 2 EIRP Data (NR Band n30)

FCC ID: BCGA3269	 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	2.30	1 / 23	22.65	24.95	0.313	33.01	-8.06
		2535.0	2.30	1 / 12	22.70	25.00	0.316	33.01	-8.01
		2567.5	2.30	1 / 1	22.44	24.74	0.298	33.01	-8.27
	QPSK	2502.5	2.30	1 / 1	22.64	24.94	0.312	33.01	-8.07
		2535.0	2.30	1 / 12	22.61	24.91	0.310	33.01	-8.10
		2567.5	2.30	1 / 1	22.43	24.73	0.297	33.01	-8.28
	16-QAM	2567.5	2.30	1 / 23	21.66	23.96	0.249	33.01	-9.05
	64-QAM	2535.0	2.30	1 / 23	20.72	23.02	0.200	33.01	-9.99
10 MHz	π/2 BPSK	2502.5	2.30	1 / 12	17.82	20.12	0.103	33.01	-12.89
		2505.0	2.30	1 / 50	22.66	24.96	0.313	33.01	-8.05
		2535.0	2.30	1 / 25	22.62	24.92	0.310	33.01	-8.09
	QPSK	2565.0	2.30	1 / 1	22.41	24.71	0.296	33.01	-8.30
		2505.0	2.30	1 / 1	22.65	24.95	0.313	33.01	-8.06
		2535.0	2.30	1 / 25	22.70	25.00	0.316	33.01	-8.01
	16-QAM	2565.0	2.30	1 / 50	22.53	24.83	0.304	33.01	-8.18
	64-QAM	2505.0	2.30	1 / 1	21.68	23.98	0.250	33.01	-9.03
15 MHz	π/2 BPSK	2535.0	2.30	1 / 50	20.55	22.85	0.193	33.01	-10.16
		2505.0	2.30	1 / 25	17.77	20.07	0.102	33.01	-12.94
		2507.5	2.30	1 / 36	22.70	25.00	0.316	33.01	-8.01
	QPSK	2535.0	2.30	1 / 36	22.49	24.79	0.301	33.01	-8.22
		2562.5	2.30	1 / 77	22.70	25.00	0.316	33.01	-8.01
		2507.5	2.30	1 / 36	22.65	24.95	0.313	33.01	-8.06
	16-QAM	2535.0	2.30	1 / 77	22.64	24.94	0.312	33.01	-8.07
	64-QAM	2562.5	2.30	1 / 77	22.36	24.66	0.292	33.01	-8.35
20 MHz	π/2 BPSK	2562.5	2.30	1 / 77	21.63	23.93	0.247	33.01	-9.08
		2562.5	2.30	1 / 77	20.65	22.95	0.197	33.01	-10.06
		2535.0	2.30	1 / 77	17.80	20.10	0.102	33.01	-12.91
	QPSK	2562.5	2.30	1 / 36	17.80	20.10	0.102	33.01	-12.91
		2510.0	2.30	1 / 1	22.66	24.96	0.313	33.01	-8.05
		2535.0	2.30	1 / 104	22.70	25.00	0.316	33.01	-8.01
	16-QAM	2560.0	2.30	1 / 50	22.70	25.00	0.316	33.01	-8.01
	64-QAM	2510.0	2.30	1 / 1	22.67	24.97	0.314	33.01	-8.04
25 MHz	π/2 BPSK	2535.0	2.30	1 / 50	22.67	24.97	0.314	33.01	-8.04
		2560.0	2.30	1 / 104	22.67	24.97	0.314	33.01	-8.04
		2512.5	2.30	1 / 131	22.70	25.00	0.316	33.01	-8.01
	QPSK	2535.0	2.30	1 / 131	22.45	24.75	0.299	33.01	-8.26
		2557.5	2.30	1 / 1	22.65	24.95	0.313	33.01	-8.06
		2512.5	2.30	1 / 131	22.50	24.80	0.302	33.01	-8.21
	16-QAM	2535.0	2.30	1 / 1	22.58	24.88	0.308	33.01	-8.13
	64-QAM	2557.5	2.30	1 / 64	22.67	24.97	0.314	33.01	-8.04
30 MHz	π/2 BPSK	2535.0	2.30	1 / 131	21.70	24.00	0.251	33.01	-9.01
		2557.5	2.30	1 / 64	20.61	22.91	0.195	33.01	-10.10
		2512.5	2.30	1 / 64	17.80	20.10	0.102	33.01	-12.91
	QPSK	2515.0	2.30	1 / 80	22.67	24.97	0.314	33.01	-8.04
		2535.0	2.30	1 / 80	22.50	24.80	0.302	33.01	-8.21
		2555.0	2.30	1 / 1	22.69	24.99	0.316	33.01	-8.02
	16-QAM	2515.0	2.30	1 / 158	22.48	24.78	0.301	33.01	-8.23
	64-QAM	2535.0	2.30	1 / 158	22.69	24.99	0.316	33.01	-8.02
35 MHz	π/2 BPSK	2555.0	2.30	1 / 1	22.70	25.00	0.316	33.01	-8.01
		2517.5	2.30	1 / 93	22.68	24.98	0.315	33.01	-8.03
		2552.5	2.30	1 / 1	22.62	24.92	0.310	33.01	-8.09
	QPSK	2517.5	2.30	1 / 186	22.69	24.99	0.316	33.01	-8.02
		2535.0	2.30	1 / 93	22.61	24.91	0.310	33.01	-8.10
		2552.5	2.30	1 / 1	22.55	24.85	0.305	33.01	-8.16
	16-QAM	2517.5	2.30	1 / 93	21.70	24.00	0.251	33.01	-9.01
	64-QAM	2535.0	2.30	1 / 1	20.63	22.93	0.196	33.01	-10.08
40 MHz	π/2 BPSK	2517.5	2.30	1 / 93	17.81	20.11	0.103	33.01	-12.90
		2520.0	2.30	1 / 1	22.70	25.00	0.316	33.01	-8.01
		2535.0	2.30	1 / 108	22.70	25.00	0.316	33.01	-8.01
	QPSK	2550.0	2.30	1 / 1	22.66	24.96	0.313	33.01	-8.05
		2520.0	2.30	1 / 1	22.61	24.91	0.310	33.01	-8.10
		2535.0	2.30	1 / 108	22.65	24.95	0.313	33.01	-8.06
	16-QAM	2550.0	2.30	1 / 214	22.42	24.72	0.296	33.01	-8.29
	64-QAM	2520.0	2.30	1 / 1	21.69	23.99	0.251	33.01	-9.02
50 MHz	QPSK	2550.0	2.30	1 / 214	20.58	22.88	0.194	33.01	-10.13
		2520.0	2.30	1 / 108	17.79	20.09	0.102	33.01	-12.92

Table 7-41. Antenna 2 EIRP Data (NR Band n7)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-10-R1.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 371 of 427

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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]
10 MHz	11/2 BPSK	2501.0	2.30	1 / 22	28.04	30.34	1.081	33.01	-2.67
		2593.0	2.30	1 / 22	28.17	30.47	1.114	33.01	-2.54
		2685.0	2.30	1 / 12	27.90	30.20	1.047	33.01	-2.81
	QPSK	2501.0	2.30	1 / 12	28.02	30.32	1.076	33.01	-2.69
		2593.0	2.30	1 / 22	28.20	30.50	1.122	33.01	-2.51
		2685.0	2.30	1 / 22	28.11	30.41	1.099	33.01	-2.60
	16-QAM	2685.0	2.30	1 / 22	27.04	29.34	0.859	33.01	-3.67
		2593.0	2.30	1 / 22	26.17	28.47	0.703	33.01	-4.54
		2501.0	2.30	1 / 12	23.28	25.58	0.361	33.01	-7.43
	256-QAM	2501.0	2.30	1 / 36	28.02	30.32	1.076	33.01	-2.69
15 MHz	11/2 BPSK	2593.0	2.30	1 / 18	28.08	30.38	1.091	33.01	-2.63
		2682.5	2.30	1 / 36	28.20	30.50	1.122	33.01	-2.51
		2503.5	2.30	1 / 18	28.12	30.42	1.102	33.01	-2.59
	QPSK	2593.0	2.30	1 / 18	28.20	30.50	1.122	33.01	-2.51
		2682.5	2.30	1 / 18	27.89	30.19	1.045	33.01	-2.82
		2593.0	2.30	1 / 18	27.09	29.39	0.869	33.01	-3.62
	16-QAM	2503.5	2.30	1 / 18	26.11	28.41	0.693	33.01	-4.60
	256-QAM	2503.5	2.30	1 / 18	23.31	25.61	0.364	33.01	-7.40
	11/2 BPSK	2506.0	2.30	1 / 49	28.09	30.39	1.094	33.01	-2.62
		2593.0	2.30	1 / 25	27.82	30.12	1.028	33.01	-2.89
20 MHz	11/2 BPSK	2680.0	2.30	1 / 25	27.89	30.19	1.045	33.01	-2.82
		2506.0	2.30	1 / 25	28.20	30.50	1.122	33.01	-2.51
		2593.0	2.30	1 / 49	28.14	30.44	1.107	33.01	-2.57
	QPSK	2680.0	2.30	1 / 25	28.07	30.37	1.089	33.01	-2.64
		2506.0	2.30	1 / 25	27.18	29.48	0.887	33.01	-3.53
		2593.0	2.30	1 / 49	26.12	28.42	0.695	33.01	-4.59
	16-QAM	2680.0	2.30	1 / 25	23.20	25.50	0.355	33.01	-7.51
	256-QAM	2680.0	2.30	1 / 25	23.20	25.50	0.355	33.01	-7.51
	11/2 BPSK	2511.0	2.30	1 / 76	28.12	30.42	1.102	33.01	-2.59
		2593.0	2.30	1 / 76	27.94	30.24	1.057	33.01	-2.77
		2675.0	2.30	1 / 76	27.94	30.24	1.057	33.01	-2.77
30 MHz	11/2 BPSK	2511.0	2.30	1 / 36	28.20	30.50	1.122	33.01	-2.51
		2593.0	2.30	1 / 36	28.02	30.32	1.076	33.01	-2.69
		2675.0	2.30	1 / 76	27.97	30.27	1.064	33.01	-2.74
	QPSK	2511.0	2.30	1 / 76	27.13	29.43	0.877	33.01	-3.58
		2593.0	2.30	1 / 36	26.12	28.42	0.695	33.01	-4.59
		2675.0	2.30	1 / 36	23.27	25.57	0.361	33.01	-7.44
	16-QAM	2511.0	2.30	1 / 76	27.13	29.43	0.877	33.01	-3.58
	256-QAM	2511.0	2.30	1 / 36	26.12	28.42	0.695	33.01	-4.59
	11/2 BPSK	2516.0	2.30	1 / 104	28.15	30.45	1.109	33.01	-2.56
		2593.0	2.30	1 / 104	28.17	30.47	1.114	33.01	-2.54
		2670.0	2.30	1 / 50	28.15	30.45	1.109	33.01	-2.56
40 MHz	11/2 BPSK	2516.0	2.30	1 / 50	28.02	30.32	1.076	33.01	-2.69
		2593.0	2.30	1 / 104	28.08	30.38	1.091	33.01	-2.63
		2670.0	2.30	1 / 104	28.16	30.46	1.112	33.01	-2.55
	QPSK	2516.0	2.30	1 / 50	27.06	29.36	0.863	33.01	-3.65
		2593.0	2.30	1 / 104	26.15	28.45	0.700	33.01	-4.56
		2670.0	2.30	1 / 50	23.13	25.43	0.349	33.01	-7.58
	16-QAM	2516.0	2.30	1 / 50	27.06	29.36	0.863	33.01	-3.65
	256-QAM	2516.0	2.30	1 / 50	23.13	25.43	0.349	33.01	-7.58
	11/2 BPSK	2521.0	2.30	1 / 131	28.15	30.45	1.109	33.01	-2.56
		2593.0	2.30	1 / 131	28.01	30.31	1.074	33.01	-2.70
		2665.0	2.30	1 / 64	27.79	30.09	1.021	33.01	-2.92
50 MHz	11/2 BPSK	2521.0	2.30	1 / 131	28.09	30.39	1.094	33.01	-2.62
		2593.0	2.30	1 / 64	28.16	30.46	1.112	33.01	-2.55
		2665.0	2.30	1 / 64	28.17	30.47	1.114	33.01	-2.54
	QPSK	2521.0	2.30	1 / 131	27.23	29.53	0.997	33.01	-3.48
		2593.0	2.30	1 / 64	26.22	28.52	0.711	33.01	-4.49
		2665.0	2.30	1 / 131	23.22	25.52	0.356	33.01	-7.49
	16-QAM	2521.0	2.30	1 / 131	27.23	29.53	0.997	33.01	-3.48
	256-QAM	2521.0	2.30	1 / 64	26.22	28.52	0.711	33.01	-4.49
	11/2 BPSK	2526.0	2.30	1 / 81	28.10	30.40	1.096	33.01	-2.61
		2593.0	2.30	1 / 81	28.20	30.50	1.122	33.01	-2.51
		2660.0	2.30	1 / 81	27.87	30.17	1.040	33.01	-2.84
60 MHz	11/2 BPSK	2526.0	2.30	1 / 81	27.98	30.28	1.067	33.01	-2.73
		2593.0	2.30	1 / 160	27.87	30.17	1.040	33.01	-2.84
		2660.0	2.30	1 / 81	28.00	30.30	1.072	33.01	-2.71
	QPSK	2526.0	2.30	1 / 160	27.12	29.42	0.875	33.01	-3.59
		2593.0	2.30	1 / 81	26.18	28.48	0.705	33.01	-4.53
		2660.0	2.30	1 / 81	23.24	25.54	0.358	33.01	-7.47
	16-QAM	2526.0	2.30	1 / 160	27.12	29.42	0.875	33.01	-3.59
	256-QAM	2526.0	2.30	1 / 81	26.18	28.48	0.705	33.01	-4.53
	11/2 BPSK	2531.0	2.30	1 / 187	28.14	30.44	1.107	33.01	-2.57
		2593.0	2.30	1 / 90	27.97	30.27	1.064	33.01	-2.74
		2655.0	2.30	1 / 90	28.17	30.47	1.114	33.01	-2.54
70 MHz	11/2 BPSK	2531.0	2.30	1 / 187	28.00	30.30	1.072	33.01	-2.71
		2593.0	2.30	1 / 90	28.05	30.35	1.084	33.01	-2.66
		2655.0	2.30	1 / 187	27.99	30.29	1.069	33.01	-2.72
	QPSK	2531.0	2.30	1 / 90	27.07	29.37	0.865	33.01	-3.64
		2593.0	2.30	1 / 90	26.08	28.38	0.689	33.01	-4.63
		2655.0	2.30	1 / 90	23.28	25.58	0.361	33.01	-7.43
	16-QAM	2531.0	2.30	1 / 90	27.07	29.37	0.865	33.01	-3.64
	256-QAM	2531.0	2.30	1 / 90	23.28	25.58	0.361	33.01	-7.43
	11/2 BPSK	2536.0	2.30	1 / 215	28.16	30.46	1.112	33.01	-2.55
		2593.0	2.30	1 / 108	28.15	30.45	1.109	33.01	-2.56
		2650.0	2.30	1 / 215	28.18	30.48	1.117	33.01	-2.53
80 MHz	11/2 BPSK	2536.0	2.30	1 / 215	28.20	30.50	1.122	33.01	-2.51
		2593.0	2.30	1 / 108	28.05	30.35	1.084	33.01	-2.66
		2650.0	2.30	1 / 215	27.21	29.51	0.893	33.01	-3.50
	QPSK	2536.0	2.30	1 / 108	26.21	28.51	0.710	33.01	-4.50
		2593.0	2.30	1 / 215	27.21	29.51	0.893	33.01	-3.50
		2650.0	2.30	1 / 108	23.31	25.61	0.364	33.01	-7.40
	16-QAM	2536.0	2.30	1 / 108	26.21	28.51	0.710	33.01	-4.50
	256-QAM	2536.0	2.30	1 / 108	23.31	25.61	0.364	33.01	-7.40
	11/2 BPSK	2541.0	2.30	1 / 243	28.12	30.42	1.102	33.01	-2.59
		2593.0	2.30	1 / 120	27.90	30.20	1.047	33.01	-2.81
		2645.0	2.30	1 / 120	28.20	30.50	1.122	33.01	-2.51
90 MHz	11/2 BPSK	2541.0	2.30	1 / 120	28.09	30.39	1.094	33.01	-2.62
		2593.0	2.30	1 / 120	28.10	30.40	1.096	33.01	-2.61
		2645.0	2.30	1 / 243	28.18	30.48	1.117	33.01	-2.53
	QPSK	2541.0	2.30	1 / 120	27.10	29.40	0.871	33.01	-3.61
		2593.0	2.30	1 / 120	26.25	28.55	0.716	33.01	-4.46
		2645.0	2.30	1 / 120	23.18	25.48	0.353	33.01	-7.53
	16-QAM	2541.0	2.30	1 / 120	27.10	29.40	0.871	33.01	-3.61
	256-QAM	2541.0	2.30	1 / 120	23.18	25.48	0.353	33.01	-7.53
	11/2 BPSK	2546.0	2.30	1 / 271	28.20	30.50	1.122	33.01	-2.51
		2593.0	2.30	1 / 135	28.05	30.35	1.084	33.01	-2.66
		2640.0	2.30	1 / 135	28.13	30.43	1.104	33.01	-2.58
100 MHz	11/2 BPSK	2546.0	2.30	1 / 271	27.83	30.13	1.030	33.01	-2.88
		2593.0	2.30	1 / 271	28.14	30.44	1.107	33.01	-2.57
		2640.0	2.30	1 / 271	27.96	30.26	1.062	33.01	-2.75
	QPSK	2546.0	2.30	1 / 271	27.22	29.52	0.895	33.01	-3.49
		2593.0	2.30	1 / 271	26.13	28.43	0.697	33.01	-4.58
		2640.0	2.30	1 / 135	23.08	25.38	0.345	33.01	-7

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]	
10 MHz	11/2 BPSK	2501.0	2.30	1 / 12	25.50	27.80	0.603	33.01	-5.21	
		2593.0	2.30	1 / 12	25.33	27.63	0.579	33.01	-5.38	
		2685.0	2.30	1 / 12	25.57	27.87	0.613	33.01	-5.14	
	QPSK	2501.0	2.30	1 / 12	25.52	27.82	0.605	33.01	-5.19	
		2593.0	2.30	1 / 12	25.37	27.67	0.585	33.01	-5.34	
		2685.0	2.30	1 / 12	25.70	28.00	0.631	33.01	-5.01	
	16-QAM	2685.0	2.30	1 / 12	24.59	26.89	0.488	33.01	-6.13	
	64-QAM	2685.0	2.30	1 / 12	23.29	25.59	0.362	33.01	-7.42	
	256-QAM	2501.0	2.30	1 / 12	21.11	23.41	0.219	33.01	-9.60	
	11/2 BPSK	2503.5	2.30	1 / 36	25.52	27.82	0.605	33.01	-5.19	
2593.0		2.30	1 / 36	25.52	27.82	0.606	33.01	-5.19		
2682.5		2.30	1 / 36	25.63	27.93	0.621	33.01	-5.08		
15 MHz	QPSK	2503.5	2.30	1 / 36	25.61	27.91	0.618	33.01	-5.10	
		2593.0	2.30	1 / 36	25.53	27.83	0.607	33.01	-5.18	
		2682.5	2.30	1 / 36	25.70	28.00	0.631	33.01	-5.01	
	16-QAM	2682.5	2.30	1 / 18	24.85	27.15	0.518	33.01	-5.86	
	64-QAM	2593.0	2.30	1 / 36	23.14	25.44	0.350	33.01	-7.57	
	256-QAM	2503.5	2.30	1 / 36	21.02	23.32	0.215	33.01	-9.69	
	20 MHz	11/2 BPSK	2506.0	2.30	1 / 25	25.56	27.86	0.612	33.01	-5.15
			2593.0	2.30	1 / 49	25.55	27.85	0.609	33.01	-5.17
			2680.0	2.30	1 / 49	25.62	27.92	0.619	33.01	-5.09
		QPSK	2506.0	2.30	1 / 49	25.58	27.88	0.614	33.01	-5.13
2593.0			2.30	1 / 49	25.63	27.93	0.622	33.01	-5.08	
2680.0			2.30	1 / 49	25.70	28.00	0.631	33.01	-5.01	
16-QAM		2680.0	2.30	1 / 49	24.73	27.03	0.504	33.01	-5.98	
64-QAM		2680.0	2.30	1 / 49	23.03	25.33	0.341	33.01	-7.68	
256-QAM		2593.0	2.30	1 / 49	21.14	23.44	0.221	33.01	-9.57	
30 MHz		11/2 BPSK	2511.0	2.30	1 / 76	25.61	27.91	0.618	33.01	-5.10
	2593.0		2.30	1 / 76	25.48	27.78	0.600	33.01	-5.23	
	2675.0		2.30	1 / 76	25.70	28.00	0.631	33.01	-5.01	
	QPSK	2511.0	2.30	1 / 76	25.70	28.00	0.631	33.01	-5.01	
		2593.0	2.30	1 / 76	25.56	27.86	0.610	33.01	-5.15	
		2675.0	2.30	1 / 76	25.64	27.94	0.622	33.01	-5.07	
	16-QAM	2675.0	2.30	1 / 76	24.68	26.98	0.499	33.01	-6.03	
	64-QAM	2593.0	2.30	1 / 76	23.19	25.49	0.354	33.01	-7.52	
	256-QAM	2511.0	2.30	1 / 76	20.86	23.16	0.207	33.01	-9.85	
	40 MHz	11/2 BPSK	2516.0	2.30	1 / 104	25.53	27.83	0.607	33.01	-5.18
2593.0			2.30	1 / 104	25.41	27.71	0.591	33.01	-5.30	
2670.0			2.30	1 / 104	25.53	27.83	0.607	33.01	-5.18	
QPSK		2516.0	2.30	1 / 104	25.56	27.86	0.611	33.01	-5.15	
		2593.0	2.30	1 / 104	25.36	27.66	0.584	33.01	-5.35	
		2670.0	2.30	1 / 104	25.70	28.00	0.631	33.01	-5.01	
16-QAM		2593.0	2.30	1 / 104	24.54	26.84	0.483	33.01	-6.17	
64-QAM		2516.0	2.30	1 / 104	23.05	25.35	0.343	33.01	-7.66	
256-QAM		2670.0	2.30	1 / 104	21.04	23.34	0.216	33.01	-9.67	
50 MHz		11/2 BPSK	2521.0	2.30	1 / 131	25.41	27.71	0.590	33.01	-5.30
	2593.0		2.30	1 / 64	25.46	27.76	0.597	33.01	-5.25	
	2665.0		2.30	1 / 131	25.59	27.89	0.616	33.01	-5.12	
	QPSK	2521.0	2.30	1 / 131	25.51	27.81	0.604	33.01	-5.20	
		2593.0	2.30	1 / 131	25.70	28.00	0.631	33.01	-5.01	
		2665.0	2.30	1 / 131	25.66	27.96	0.625	33.01	-5.05	
	16-QAM	2665.0	2.30	1 / 131	24.53	26.83	0.482	33.01	-6.18	
	64-QAM	2521.0	2.30	1 / 131	23.28	25.58	0.361	33.01	-7.43	
	256-QAM	2665.0	2.30	1 / 131	21.18	23.48	0.223	33.01	-9.53	
	60 MHz	11/2 BPSK	2526.0	2.30	1 / 81	25.56	27.86	0.612	33.01	-5.15
2593.0			2.30	1 / 81	25.51	27.81	0.603	33.01	-5.20	
2660.0			2.30	1 / 160	25.70	28.00	0.631	33.01	-5.01	
QPSK		2526.0	2.30	1 / 81	25.58	27.88	0.614	33.01	-5.13	
		2593.0	2.30	1 / 81	25.63	27.93	0.620	33.01	-5.08	
		2660.0	2.30	1 / 160	25.64	27.94	0.623	33.01	-5.07	
16-QAM		2660.0	2.30	1 / 81	24.79	27.09	0.511	33.01	-5.93	
64-QAM		2526.0	2.30	1 / 160	23.33	25.63	0.365	33.01	-7.38	
256-QAM		2660.0	2.30	1 / 81	21.12	23.42	0.220	33.01	-9.59	
70 MHz		11/2 BPSK	2531.0	2.30	1 / 90	25.67	27.97	0.627	33.01	-5.04
	2593.0		2.30	1 / 90	25.41	27.71	0.590	33.01	-5.30	
	2655.0		2.30	1 / 187	25.56	27.86	0.611	33.01	-5.15	
	QPSK	2531.0	2.30	1 / 90	25.55	27.85	0.609	33.01	-5.17	
		2593.0	2.30	1 / 90	25.43	27.73	0.593	33.01	-5.28	
		2655.0	2.30	1 / 187	25.70	28.00	0.631	33.01	-5.01	
	16-QAM	2655.0	2.30	1 / 187	24.68	26.98	0.499	33.01	-6.03	
	64-QAM	2655.0	2.30	1 / 187	23.20	25.50	0.355	33.01	-7.51	
	256-QAM	2593.0	2.30	1 / 187	20.90	23.20	0.209	33.01	-9.81	
	80 MHz	11/2 BPSK	2536.0	2.30	1 / 108	25.56	27.86	0.611	33.01	-5.15
2593.0			2.30	1 / 215	25.53	27.83	0.606	33.01	-5.18	
2650.0			2.30	1 / 108	25.66	27.96	0.625	33.01	-5.05	
QPSK		2536.0	2.30	1 / 108	25.65	27.95	0.624	33.01	-5.06	
		2593.0	2.30	1 / 215	25.51	27.81	0.603	33.01	-5.20	
		2650.0	2.30	1 / 215	25.70	28.00	0.631	33.01	-5.01	
16-QAM		2650.0	2.30	1 / 108	24.78	27.08	0.510	33.01	-5.93	
64-QAM		2650.0	2.30	1 / 215	23.23	25.53	0.357	33.01	-7.48	
256-QAM		2650.0	2.30	1 / 215	21.15	23.45	0.221	33.01	-9.56	
90 MHz		11/2 BPSK	2541.0	2.30	1 / 243	25.46	27.76	0.597	33.01	-5.25
	2593.0		2.30	1 / 243	25.57	27.87	0.612	33.01	-5.14	
	2645.0		2.30	1 / 243	25.63	27.93	0.621	33.01	-5.08	
	QPSK	2541.0	2.30	1 / 120	25.68	27.98	0.627	33.01	-5.03	
		2593.0	2.30	1 / 243	25.60	27.90	0.617	33.01	-5.11	
		2645.0	2.30	1 / 243	25.62	27.92	0.620	33.01	-5.09	
	16-QAM	2593.0	2.30	1 / 243	24.93	27.23	0.528	33.01	-5.78	
	64-QAM	2645.0	2.30	1 / 243	23.40	25.70	0.372	33.01	-7.31	
	256-QAM	2645.0	2.30	1 / 243	21.06	23.36	0.217	33.01	-9.66	
	100 MHz	11/2 BPSK	2546.0	2.30	1 / 135	25.53	27.83	0.607	33.01	-5.18
2593.0			2.30	1 / 271	25.42	27.72	0.591	33.01	-5.29	
2640.0			2.30	1 / 271	25.57	27.87	0.613	33.01	-5.14	
QPSK		2546.0	2.30	1 / 135	25.29	27.59	0.575	33.01	-5.42	
		2593.0	2.30	1 / 271	25.47	27.77	0.598	33.01	-5.25	
		2640.0	2.30	1 / 271	25.70	28.00	0.631	33.01	-5.01	
16-QAM		2593.0	2.30	1 / 135	24.54	26.84	0.483	33.01	-6.17	
64-QAM		2640.0	2.30	1 / 271	23.09	25.39	0.346	33.01	-7.62	
256-QAM		2593.0	2.30	1 / 271	21.07	23.37	0.217	33.01	-9.64	

Table 7-43. Antenna 2 EIRP Data (NR Band n41(PC3))

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ULCA LTE 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	22.31	2.30	24.61	0.289	33.01	-8.40	
				21100	2535.0	1	99		21298	2549.8	1	0	22.39	2.30	24.69	0.294	33.01	-8.32	
				21350	2560.0	1	0		21152	2540.2	1	99	22.42	2.30	24.72	0.296	33.01	-8.29	
			QPSK	21350	2560	100	0	QPSK	21152	2540.2	100	0	21.55	2.30	23.85	0.243	33.01	-9.16	
				16-QAM	21350	2560	100	0	16-QAM	21152	2540.2	100	0	20.35	2.30	22.65	0.184	33.01	-10.36
				64-QAM	21350	2560	100	0	64-QAM	21152	2540.2	100	0	19.12	2.30	21.42	0.139	33.01	-11.59
				256-QAM	21350	2560	100	0	256-QAM	21152	2540.2	100	0	17.55	2.30	19.85	0.097	33.01	-13.16

Table 7-44. Antenna 2 EIRP Data (ULCA LTE Band 7)

ULCA LTE 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	28.11	2.30	30.41	1.099	33.01	-2.60		
				40620	2593.0	1	99		40818	2612.8	1	0	28.07	2.30	30.37	1.090	33.01	-2.64		
				41490	2680.0	1	0		41292	2660.2	1	99	28.02	2.30	30.32	1.077	33.01	-2.69		
			QPSK	39750	2506	100	0	QPSK	39948	2525.8	100	0	26.88	2.30	29.18	0.827	33.01	-3.84		
				16-QAM	39750	2506	100		0	16-QAM	39948	2525.8	100	0	25.84	2.30	28.14	0.652	33.01	-4.87
				64-QAM	39750	2506	100		0	64-QAM	39948	2525.8	100	0	24.71	2.30	27.01	0.502	33.01	-6.00
			256-QAM	39750	2506	100	0	256-QAM	39948	2525.8	100	0	23.23	2.30	25.53	0.357	33.01	-7.48		

Table 7-45. Antenna 2 EIRP Data (ULCA LTE Band 41 (PC2))

ULCA LTE Band 41(PC3)

Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCA Tx. Power [dBm]	Ant. Gain [dB]	ERP [dBm]	ERP [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	25.39	2.30	27.69	0.587	33.01	-5.32
				40620	2593.0	1	99		40818	2612.8	1	0	25.45	2.30	27.75	0.596	33.01	-5.26
				41490	2680.0	1	0		41292	2660.2	1	99	25.57	2.30	27.87	0.612	33.01	-5.14
			QPSK	41490	2680	100	0	QPSK	41292	2660.2	100	0	22.43	2.30	24.73	0.297	33.01	-8.28
			16-QAM	41490	2680	100	0	16-QAM	41292	2660.2	100	0	22.48	2.30	24.78	0.301	33.01	-8.23
			64-QAM	41490	2680	100	0	64-QAM	41292	2660.2	100	0	22.37	2.30	24.67	0.293	33.01	-8.34
			256-QAM	41490	2680	100	0	256-QAM	41292	2660.2	100	0	22.24	2.30	24.54	0.284	33.01	-8.47

Table 7-46. Antenna 2 EIRP Data (ULCA LTE Band 41 (PC3))

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7.7 Radiated Spurious Emissions

§2.1053, 27.53(a), 27.53(m)

Test Overview

Radiated spurious emissions measurements are performed using the field strength conversion method described in KDB 971168 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using horizontally and vertically polarized broadband hybrid antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed while the EUT is operating at maximum power and at the appropriate frequencies.

Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.8

Test Settings

1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
2. VBW $\geq 3 \times$ RBW
3. Span = 1.5 times the OBW
4. No. of sweep points $\geq 2 \times$ span / RBW
5. Detector = RMS
6. Trace mode = Average (Max Hold for pulsed emissions)
7. The trace was allowed to stabilize

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Test Setup

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

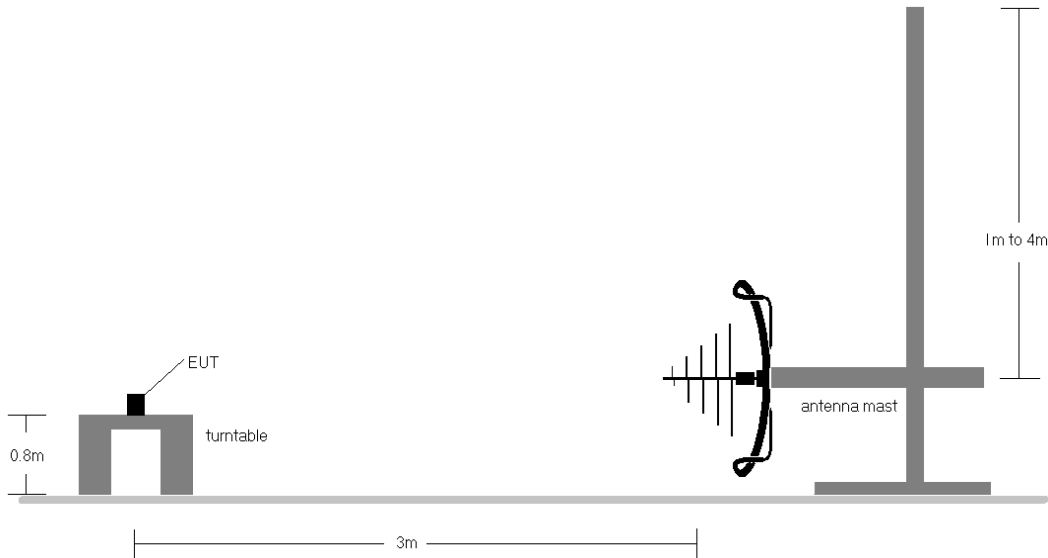


Figure 7-10. Test Instrument & Measurement Setup < 1GHz

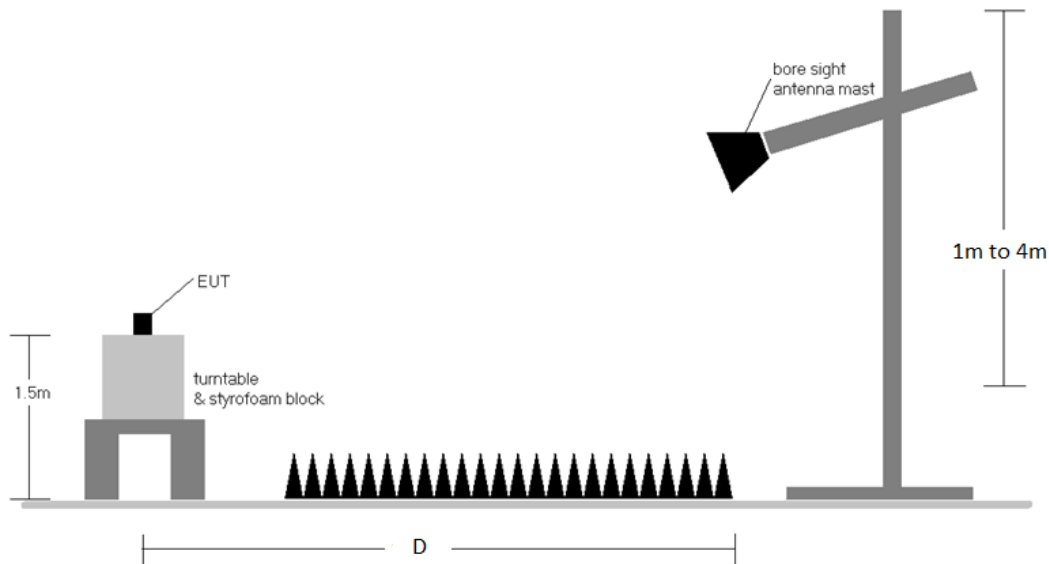


Figure 7-11. Test Instrument & Measurement Setup >1 GHz

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Test Notes

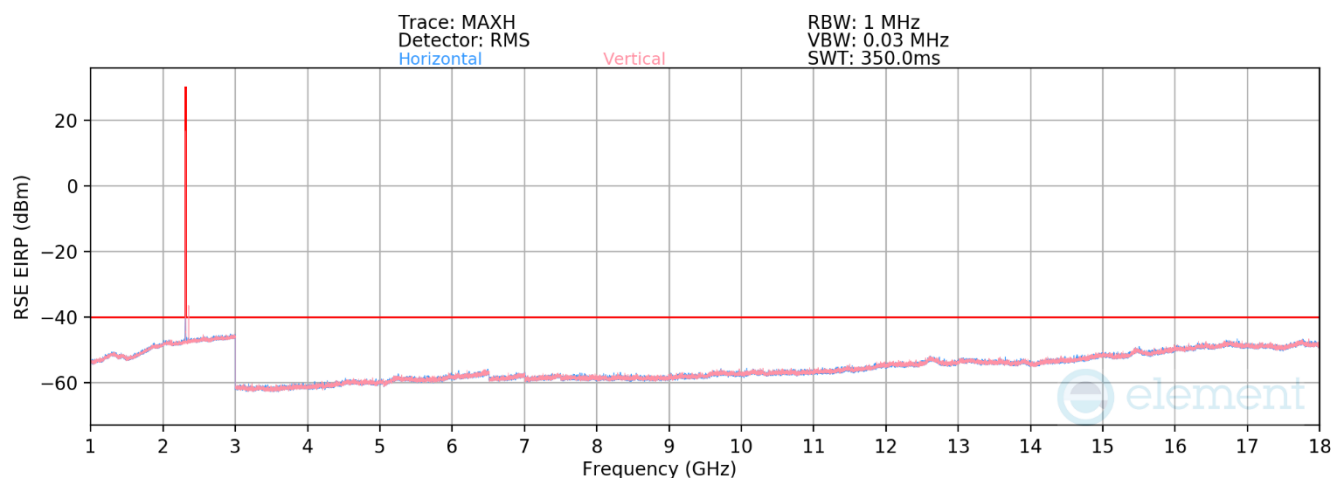
1. Field strengths are calculated using the Measurement quantity conversions in KDB 971168 D01 v03r01 Section 5.8.4.
 - a. $E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b. $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V/m}) + 20\log D - 104.8$; where D is the measurement distance in meters.
2. The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
3. This unit was tested with its standard battery.
4. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
5. Emissions below 18GHz were measured at a 3 meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
6. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
7. Uplink carrier aggregation intra-band radiated spurious emissions measurements were evaluated for the two contiguous channels using various combinations of RB size, RB offset, modulation, and channel bandwidth. The worst case (highest) emissions were found while operating with QPSK modulation with both carriers set to transmit using 1RB.
8. Uplink carrier aggregation for LTE Band 7 is only supported in this EUT while operating in Power Class 3.
9. Uplink carrier aggregation for LTE Band 41 is supported in this EUT while operating in Power Class 2 and Power Class 3.
10. Uplink carrier aggregation inter-band emission was investigated and found to not be the worst case.
11. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.
12. Spurious emission in EN-DC Operating mode with Sub 6GHz NR carrier as well as an LTE carrier (anchor) has been checked and was found to not to be the worst case.
13. For LTE Band 30 pre-scans above 1GHz, the RBW is set to 1MHz and VBW to 30kHz. For final measurements above 1GHz, the RBW is set to 1MHz and VBW to 3MHz when measuring with an RMS detector and trace averaging.
14. Pre-scan plots have been reported for the highest power antenna while measurements have been reported for all antennas.

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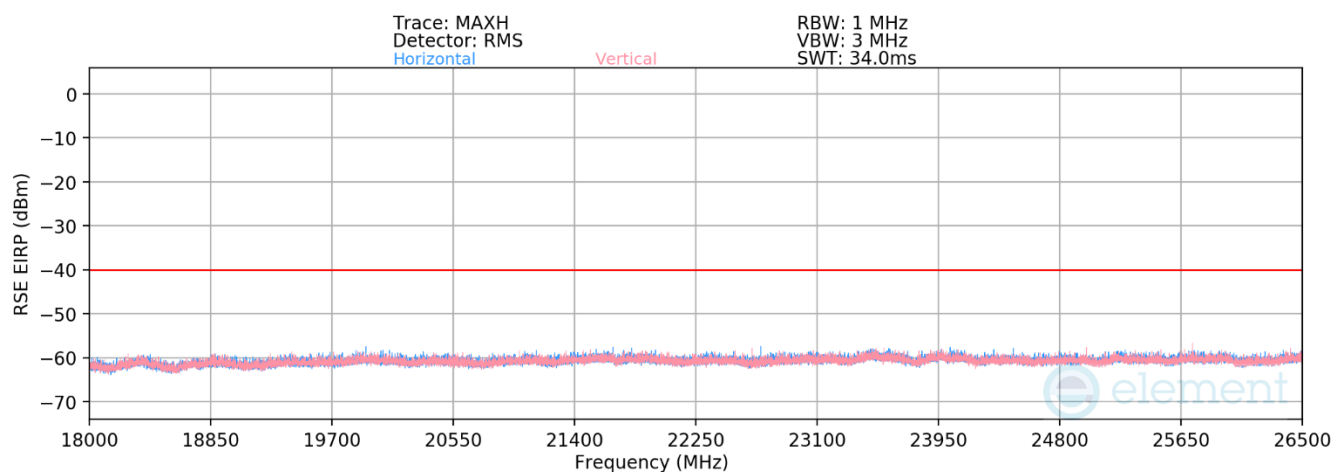
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7.7.1 Antenna 4 Radiated Spurious Emission Measurements

LTE Band 30



Plot 7-614. Antenna 4 Radiated Spurious Plot 1GHz – 18GHz (LTE Band 30)



Plot 7-615. Antenna 4 Radiated Spurious Emission above 18GHz (LTE Band 30)

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Bandwidth (MHz):	5
Frequency (MHz):	2307.5
RB / Offset:	1 / 12

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4615.0	H	-	-	-77.36	3.57	33.21	-62.05	-40.00	-22.05
6922.5	V	-	-	-77.80	5.55	34.75	-60.51	-40.00	-20.51
9230.0	H	-	-	-77.63	5.89	35.27	-59.99	-40.00	-19.99

Table 7-47. Radiated Spurious Data (LTE Band 30 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.0	H	-	-	-77.63	3.82	33.19	-62.07	-40.00	-22.07
6930.0	H	-	-	-77.87	5.55	34.68	-60.58	-40.00	-20.58
9240.0	H	-	-	-77.76	5.89	35.13	-60.13	-40.00	-20.13

Table 7-48. Radiated Spurious Data (LTE Band 30 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	2312.5
RB / Offset:	1 / 12

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4625.00	V	-	-	-77.28	3.57	33.29	-61.97	-40.00	-21.97
6937.50	H	-	-	-78.00	5.55	34.55	-60.70	-40.00	-20.70
9250.00	V	-	-	-77.44	5.87	35.43	-59.83	-40.00	-19.83

Table 7-49. Radiated Spurious Data (LTE Band 30 – High Channel)

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LTE Band 7

Bandwidth (MHz):	20
Frequency (MHz):	2510.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5020.0	V	-	-	-77.83	3.62	32.79	-62.47	-25.00	-37.47
7530.0	H	-	-	-78.05	6.06	35.01	-60.24	-25.00	-35.24
10040.0	V	-	-	-77.99	7.04	36.04	-59.21	-25.00	-34.21

Table 7-50. Radiated Spurious Data (LTE Band 7 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2535.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	V	-	-	-77.80	3.81	33.01	-62.25	-25.00	-37.25
7605.0	H	-	-	-78.23	6.13	34.91	-60.35	-25.00	-35.35
10140.0	V	-	-	-77.80	7.30	36.50	-58.76	-25.00	-33.76

Table 7-51. Radiated Spurious Data (LTE Band 7 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2560.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5120.00	H	-	-	-77.84	4.35	33.51	-61.74	-25.00	-36.74
7680.00	H	-	-	-77.91	5.90	34.98	-60.27	-25.00	-35.27
10240.00	H	-	-	-78.49	7.69	36.19	-59.06	-25.00	-34.06

Table 7-52. Radiated Spurious Data (LTE Band 7 – High Channel)

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LTE Band 41

Bandwidth (MHz):	20
Frequency (MHz):	2506.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.0	H	-	-	-77.31	3.62	33.32	-61.94	-25.00	-36.94
7518.0	H	-	-	-77.73	6.05	35.32	-59.94	-25.00	-34.94
10024.0	H	-	-	-77.52	6.74	36.22	-59.04	-25.00	-34.04

Table 7-53. Radiated Spurious Data (LTE Band 41 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2593.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	H	-	-	-76.92	4.75	34.83	-60.43	-25.00	-35.43
7779.0	H	-	-	-77.28	5.70	35.42	-59.83	-25.00	-34.83
10372.0	H	-	-	-77.84	7.71	36.88	-58.38	-25.00	-33.38

Table 7-54. Radiated Spurious Data (LTE Band 41 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2680.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.0	V	-	-	-76.99	4.58	34.58	-60.67	-25.00	-35.67
8040.0	V	-	-	-76.83	5.59	35.76	-59.50	-25.00	-34.50
10720.0	H	-	-	-78.10	8.47	37.37	-57.89	-25.00	-32.89

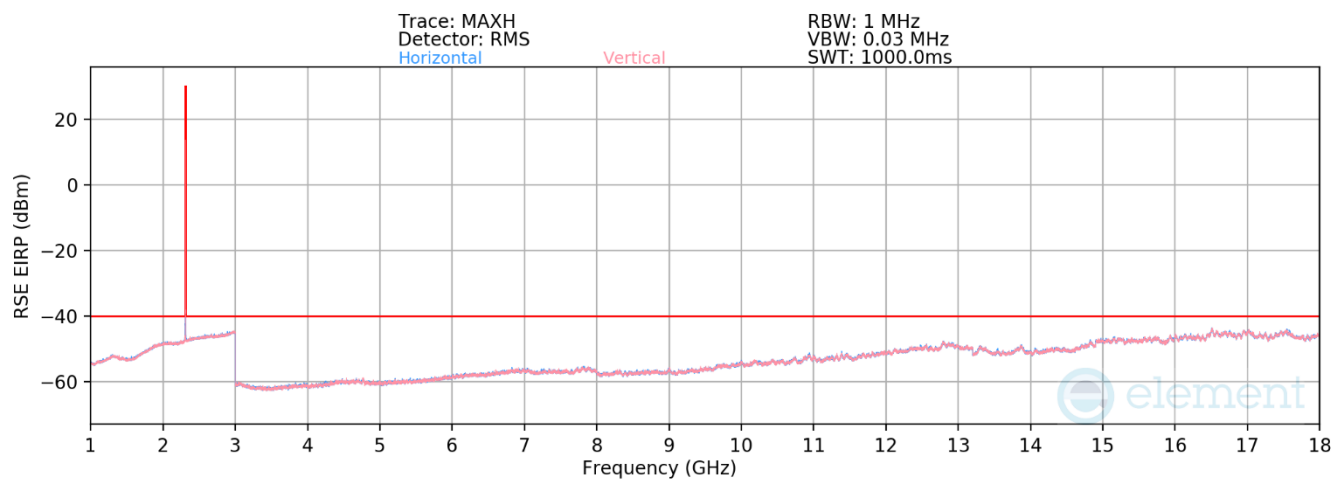
Table 7-55. Radiated Spurious Data (LTE Band 41 – High Channel)

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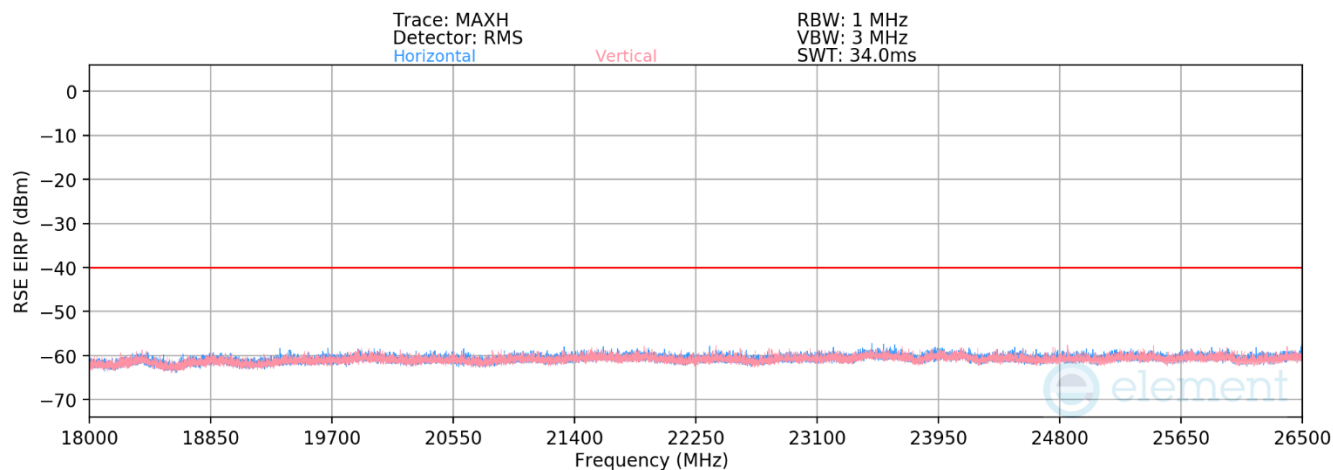
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NR Band n30



Plot 7-616. Antenna 4 Radiated Spurious Plot 1GHz – 18GHz (NR Band n30)



Plot 7-617. Antenna 4 Radiated Spurious Emission above 18GHz (NR Band n30)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-10-R1.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 382 of 427

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Bandwidth (MHz):	5
Frequency (MHz):	2307.5
RB / Offset:	1 / 12

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4615.0	H	-	-	-80.17	7.81	34.63	-60.62	-40.00	-20.62
6922.5	H	-	-	-81.62	11.30	36.68	-58.57	-40.00	-18.57
9230.0	H	-	-	-82.03	12.55	37.52	-57.73	-40.00	-17.73

Table 7-56. Radiated Spurious Data (NR Band n30 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.0	H	-	-	-80.15	7.81	34.66	-60.60	-40.00	-20.60
6930.0	H	-	-	-81.28	11.27	36.99	-58.26	-40.00	-18.26
9240.0	H	-	-	-82.05	12.55	37.50	-57.76	-40.00	-17.76

Table 7-57. Radiated Spurious Data (NR Band n30 – Mid Channel)

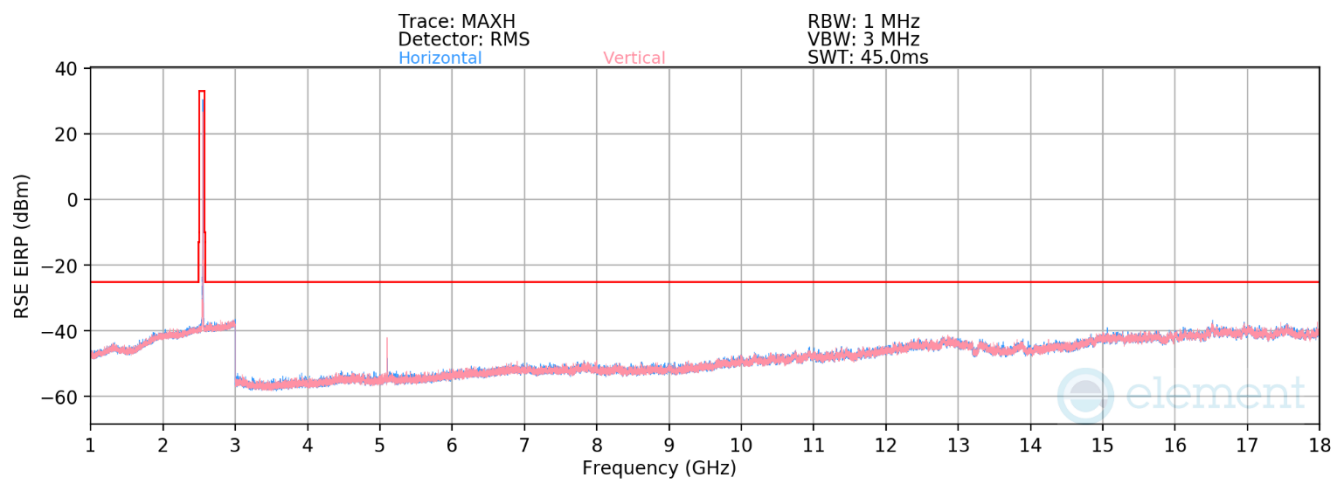
Bandwidth (MHz):	5
Frequency (MHz):	2312.5
RB / Offset:	1 / 12

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4625.0	H	-	-	-79.56	7.36	34.80	-60.45	-40.00	-20.45
6937.5	H	-	-	-81.42	11.27	36.86	-58.40	-40.00	-18.40
9250.0	H	-	-	-82.01	12.59	37.58	-57.68	-40.00	-17.68

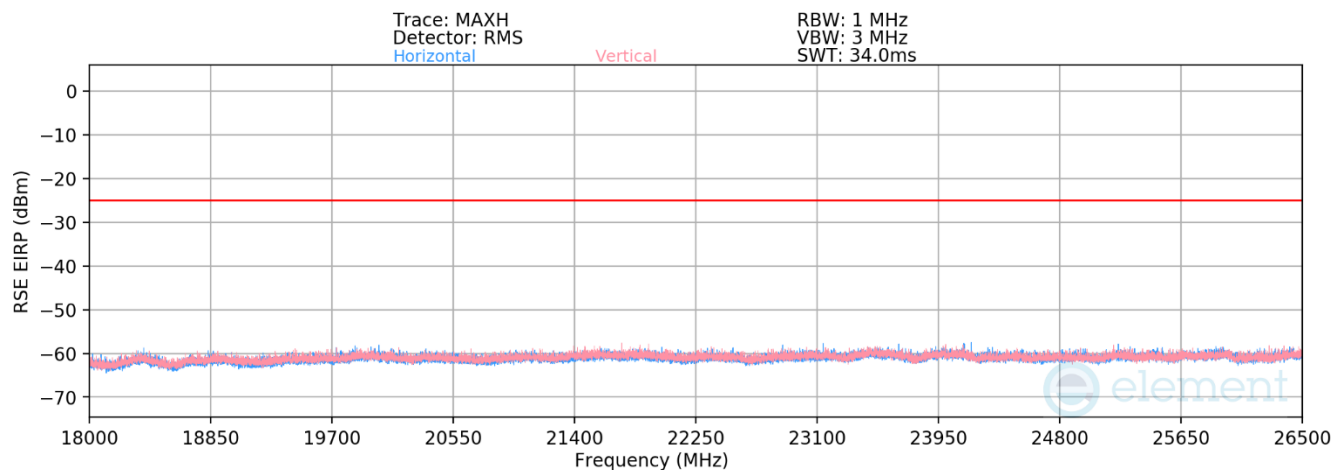
Table 7-58. Radiated Spurious Data (NR Band n30 – High Channel)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n7



Plot 7-618. Antenna 4 Radiated Spurious Plot 1GHz – 18GHz (NR Band n7)



Plot 7-619. Antenna 4 Radiated Spurious Emission above 18GHz (NR Band n7)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210075-10-R1.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 384 of 427

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Bandwidth (MHz):	40
Frequency (MHz):	2520.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5040.0	V	278	305	-68.79	7.39	45.59	-49.67	-25.00	-24.67
7560.0	V	-	-	-81.38	11.42	37.04	-58.21	-25.00	-33.21
10080.0	V	-	-	-82.39	14.92	39.53	-55.73	-25.00	-30.73
12600.0	V	-	-	-82.78	19.25	43.47	-51.79	-25.00	-26.79

Table 7-59. Radiated Spurious Data (NR Band n7 – Low Channel)

Bandwidth (MHz):	40
Frequency (MHz):	2535.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	V	-	-	-79.30	7.64	35.34	-59.91	-25.00	-34.91
7605.0	V	253	228	-77.43	11.63	41.20	-54.06	-25.00	-29.06
10140.0	V	-	-	-83.02	15.95	39.93	-55.33	-25.00	-30.33
12675.0	V	-	-	-83.64	19.59	42.95	-52.31	-25.00	-27.31
15210.0	V	-	-	-82.69	22.39	46.70	-48.56	-25.00	-23.56

Table 7-60. Radiated Spurious Data (NR Band n7 – Mid Channel)

Bandwidth (MHz):	40
Frequency (MHz):	2550.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5100.0	V	267	236	-65.71	7.82	49.11	-46.15	-25.00	-21.15
7650.0	V	251	227	-77.13	11.23	41.10	-54.16	-25.00	-29.16
10200.0	V	-	-	-82.75	16.58	40.83	-54.43	-25.00	-29.43
12750.0	V	-	-	-83.24	19.82	43.58	-51.67	-25.00	-26.67
15300.0	V	-	-	-83.45	23.16	46.72	-48.54	-25.00	-23.54

Table 7-61. Radiated Spurious Data (NR Band n7 – High Channel)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41

Bandwidth (MHz):	100
Frequency (MHz):	2546.0
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5092.0	H	-	-	-78.93	6.38	34.45	-60.81	-25.00	-35.81
7638.0	H	-	-	-80.25	10.29	37.04	-58.22	-25.00	-33.22
10184.0	H	-	-	-80.32	12.27	38.95	-56.31	-25.00	-31.31

Table 7-62. Radiated Spurious Data (NR Band n41 – Low Channel)

Bandwidth (MHz):	100
Frequency (MHz):	2593.0
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	H	-	-	-78.62	5.98	34.35	-60.90	-25.00	-35.90
7779.0	H	-	-	-79.45	9.77	37.32	-57.94	-25.00	-32.94
10372.0	H	-	-	-80.46	12.98	39.52	-55.74	-25.00	-30.74

Table 7-63. Radiated Spurious Data (NR Band n41 – Mid Channel)

Bandwidth (MHz):	100
Frequency (MHz):	2640.0
RB / Offset:	1 / 136

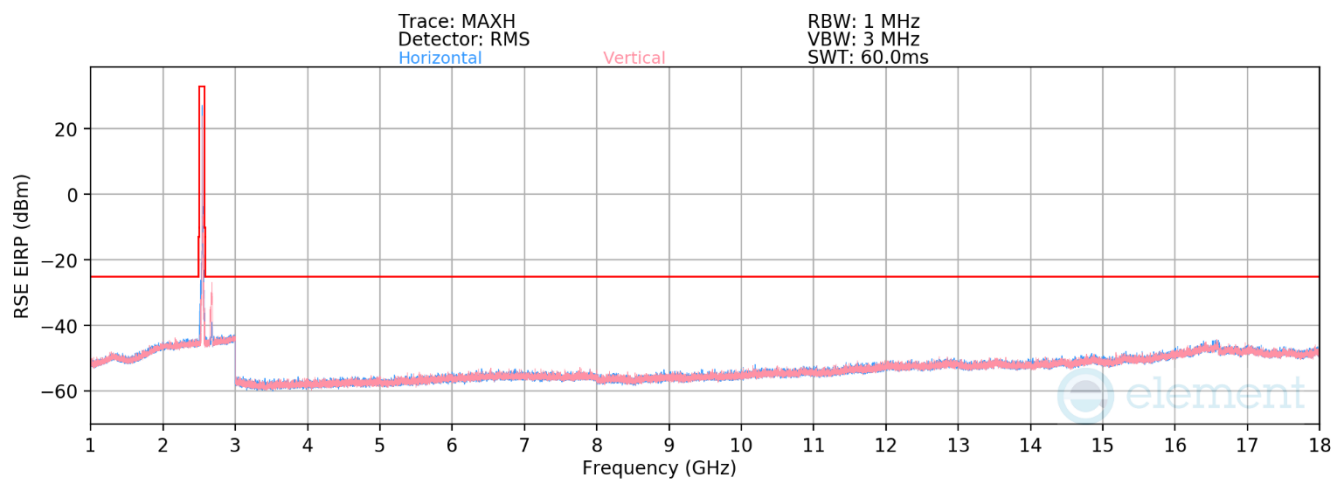
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5280.0	H	-	-	-78.39	6.08	34.69	-60.57	-25.00	-35.57
7920.0	H	-	-	-80.17	10.09	36.92	-58.34	-25.00	-33.34
10560.0	H	-	-	-80.78	13.17	39.39	-55.87	-25.00	-30.87

Table 7-64. Radiated Spurious Data (NR Band n41 – High Channel)

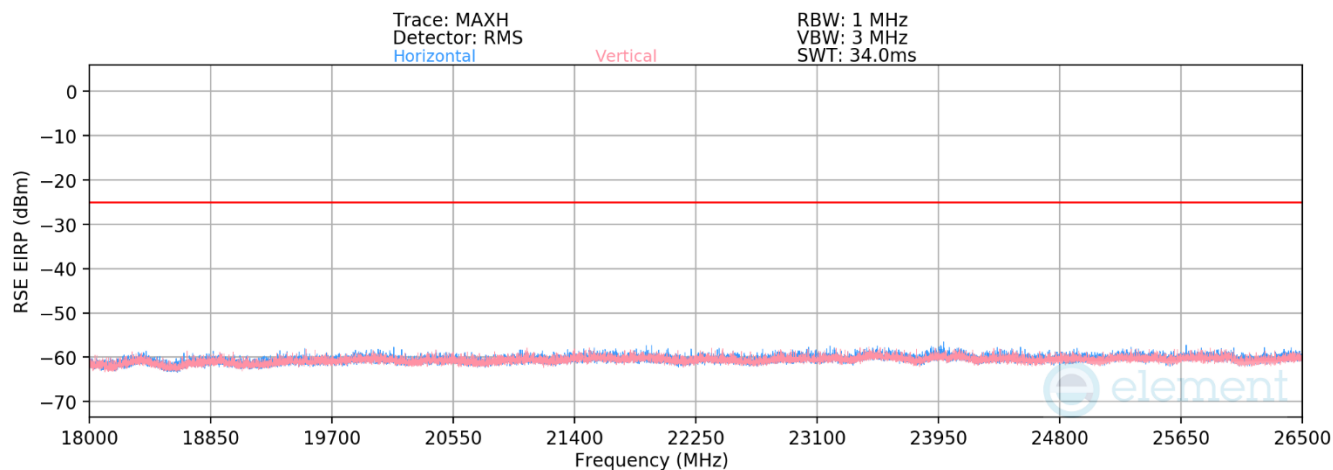
FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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ULCA - LTE Band 7



Plot 7-620. Antenna 4 Radiated Spurious Plot 1GHz – 18GHz (ULCA LTE Band 7)



Plot 7-621. Antenna 4 Radiated Spurious Emission above 18GHz (ULCA LTE Band 7)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2510.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2529.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5020.0	H	-	-	-77.59	3.38	32.79	-62.47	-25.00	-37.47
7530.0	H	-	-	-79.08	6.17	34.09	-61.17	-25.00	-36.17
10040.0	H	-	-	-79.82	7.56	34.74	-60.52	-25.00	-35.52

Table 7-65. Radiated Spurious Data (ULCA LTE Band 7 – Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2535.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2554.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	H	-	-	-77.84	3.38	32.53	-62.73	-25.00	-37.73
7605.0	H	-	-	-78.96	6.12	34.15	-61.10	-25.00	-36.10
10140.0	H	-	-	-79.63	7.75	35.12	-60.13	-25.00	-35.13

Table 7-66. Radiated Spurious Data (ULCA LTE Band 7 – Mid Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2560.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2540.2
SCC RB / Offset:	1 / 99

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5120.0	H	-	-	-77.64	3.25	32.61	-62.65	-25.00	-37.65
7680.0	H	-	-	-78.99	6.07	34.08	-61.18	-25.00	-36.18
10240.0	H	-	-	-79.99	8.10	35.12	-60.14	-25.00	-35.14

Table 7-67. Radiated Spurious Data (ULCA LTE Band 7 – High Channel)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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ULCA - LTE Band 41

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2506.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2525.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.0	H	-	-	-77.09	3.17	33.09	-62.17	-25.00	-37.17
7518.0	H	-	-	-78.43	5.94	34.51	-60.74	-25.00	-35.74
10024.0	H	-	-	-79.42	7.71	35.29	-59.97	-25.00	-34.97

Table 7-68. Radiated Spurious Data (ULCA LTE Band 41 – Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2593.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2612.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	H	-	-	-77.55	3.75	33.19	-62.06	-25.00	-37.06
7779.0	H	-	-	-77.68	5.76	35.08	-60.18	-25.00	-35.18
10372.0	H	-	-	-79.19	7.95	35.76	-59.50	-25.00	-34.50

Table 7-69. Radiated Spurious Data (ULCA LTE Band 41 – Mid Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2680.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2660.2
SCC RB / Offset:	1 / 99

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.0	H	-	-	-77.25	3.59	33.34	-61.92	-25.00	-36.92
8040.0	H	-	-	-76.96	5.52	35.56	-59.70	-25.00	-34.70
10720.0	H	-	-	-79.65	8.44	35.79	-59.47	-25.00	-34.47

Table 7-70. Radiated Spurious Data (ULCA LTE Band 41 – High Channel)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.7.2 Antenna 1b Radiated Spurious Emission Measurements

LTE Band 30

Bandwidth (MHz):	5
Frequency (MHz):	2307.5
RB / Offset:	1 / 12

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4615.0	H	-	-	-78.79	4.81	33.02	-62.23	-40.00	-22.23
6922.5	H	-	-	-81.60	9.54	34.93	-60.33	-40.00	-20.33
9230.0	V	-	-	-81.52	10.63	36.11	-59.15	-40.00	-19.15

Table 7-71. Radiated Spurious Data (LTE Band 30 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.0	H	-	-	-79.28	5.00	32.72	-62.54	-40.00	-22.54
6930.0	V	-	-	-81.72	9.41	34.69	-60.57	-40.00	-20.57
9240.0	H	-	-	-81.57	10.60	36.03	-59.23	-40.00	-19.23

Table 7-72. Radiated Spurious Data (LTE Band 30 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	2312.5
RB / Offset:	1 / 12

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4625.00	V	-	-	-79.07	4.81	32.74	-62.52	-40.00	-22.52
6937.50	H	-	-	-82.14	9.65	34.52	-60.74	-40.00	-20.74
9250.00	V	-	-	-81.44	10.60	36.16	-59.10	-40.00	-19.10

Table 7-73. Radiated Spurious Data (LTE Band 30 – High Channel)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 7

Bandwidth (MHz):	20
Frequency (MHz):	2510.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5020.0	V	-	-	-79.27	4.85	32.58	-62.68	-25.00	-37.68
7530.0	H	-	-	-81.46	9.04	34.57	-60.68	-25.00	-35.68
10040.0	V	-	-	-81.14	11.76	37.63	-57.63	-25.00	-32.63

Table 7-74. Radiated Spurious Data (LTE Band 7 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2535.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	V	-	-	-79.72	5.43	32.71	-62.55	-25.00	-37.55
7605.0	H	-	-	-81.45	9.30	34.85	-60.41	-25.00	-35.41
10140.0	H	-	-	-81.76	11.83	37.07	-58.19	-25.00	-33.19

Table 7-75. Radiated Spurious Data (LTE Band 7 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2560.0
RB / Offset:	1 / 50

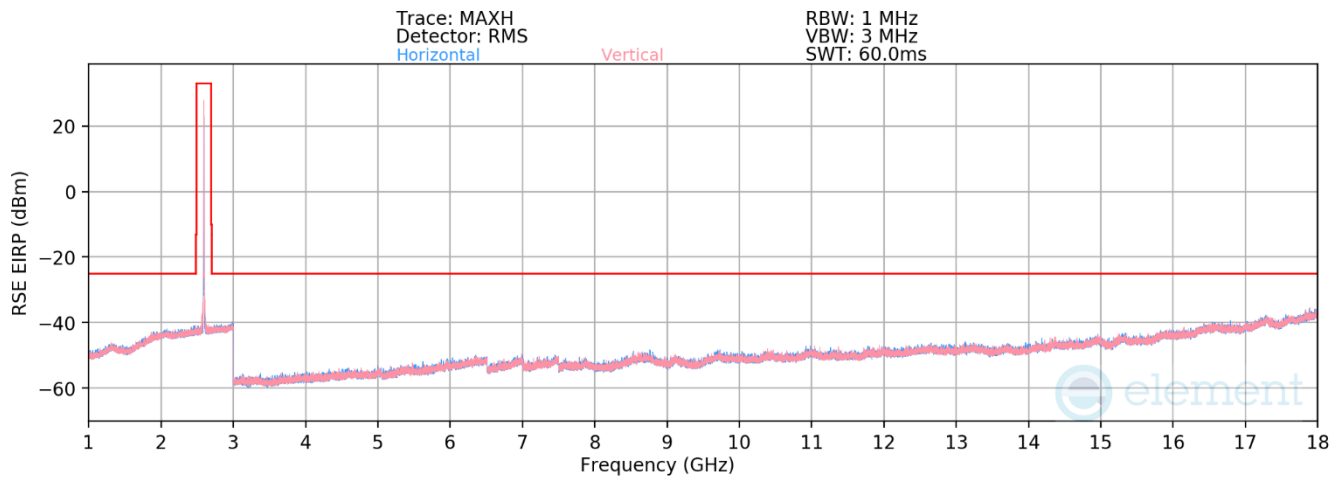
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5120.00	V	-	-	-79.73	5.37	32.63	-62.62	-25.00	-37.62
7680.00	V	-	-	-81.24	9.61	35.38	-59.88	-25.00	-34.88
10240.00	H	-	-	-81.32	11.88	37.56	-57.70	-25.00	-32.70

Table 7-76. Radiated Spurious Data (LTE Band 7 – High Channel)

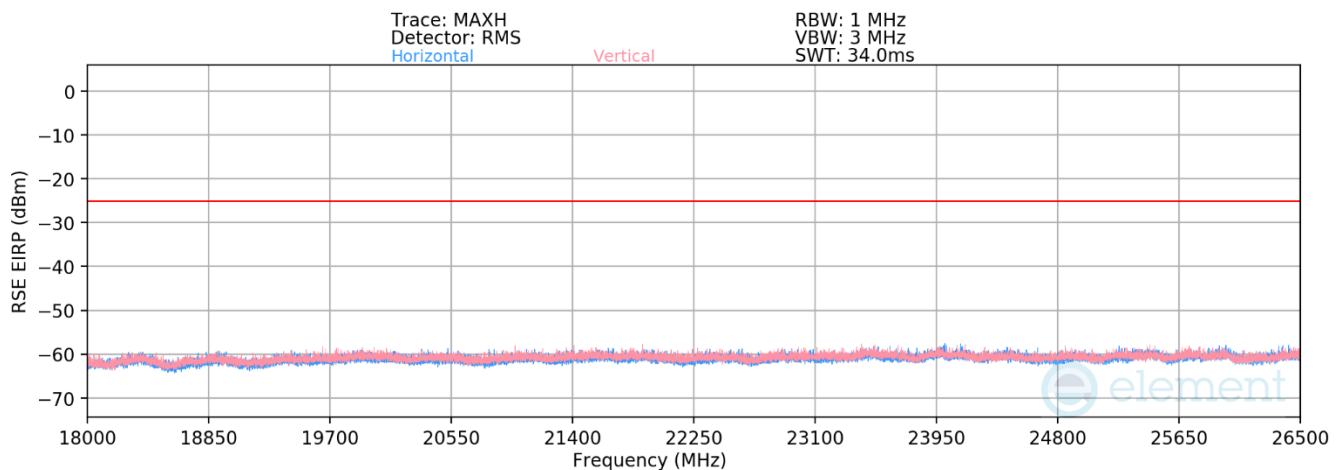
FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 41



Plot 7-622. Antenna 1b Radiated Spurious Plot 1GHz – 18GHz (LTE Band 41)



Plot 7-623. Antenna 1b Radiated Spurious Emission above 18GHz (LTE Band 41)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	20
Frequency (MHz):	2506.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.0	V	-	-	-79.09	6.58	34.49	-60.77	-25.00	-35.77
7518.0	V	-	-	-79.72	9.82	37.10	-58.16	-25.00	-33.16
10024.0	H	-	-	-80.38	12.23	38.86	-56.40	-25.00	-31.40

Table 7-77. Radiated Spurious Data (LTE Band 41 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2593.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	V	-	-	-78.84	6.11	34.27	-60.99	-25.00	-35.99
7779.0	H	-	-	-79.65	9.77	37.12	-58.13	-25.00	-33.13
10372.0	H	-	-	-80.44	12.98	39.54	-55.72	-25.00	-30.72

Table 7-78. Radiated Spurious Data (LTE Band 41 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2680.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.0	H	-	-	-79.34	6.96	34.63	-60.63	-25.00	-35.63
8040.0	H	-	-	-79.55	9.68	37.13	-58.13	-25.00	-33.13
10720.0	V	-	-	-80.17	12.56	39.39	-55.87	-25.00	-30.87

Table 7-79. Radiated Spurious Data (LTE Band 41 – High Channel)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n30

Bandwidth (MHz):	5
Frequency (MHz):	2307.5
RB / Offset:	1 / 12

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4615.0	H	-	-	-79.61	6.39	33.78	-61.48	-40.00	-21.48
6922.5	H	-	-	-79.97	9.47	36.50	-58.76	-40.00	-18.76
9230.0	H	-	-	-80.35	10.63	37.28	-57.98	-40.00	-17.98

Table 7-80. Radiated Spurious Data (NR Band n30 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.0	H	-	-	-79.91	6.57	33.66	-61.59	-40.00	-21.59
6930.0	H	-	-	-79.98	9.47	36.49	-58.77	-40.00	-18.77
9240.0	H	-	-	-80.32	10.63	37.31	-57.95	-40.00	-17.95

Table 7-81. Radiated Spurious Data (NR Band n30 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	2312.5
RB / Offset:	1 / 12

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4625.0	H	-	-	-79.84	6.57	33.73	-61.52	-40.00	-21.52
6937.5	H	-	-	-80.09	9.74	36.66	-58.60	-40.00	-18.60
9250.0	H	-	-	-80.37	10.63	37.26	-57.99	-40.00	-17.99

Table 7-82. Radiated Spurious Data (NR Band n30 – High Channel)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n7

Bandwidth (MHz):	40
Frequency (MHz):	2520.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5040.0	V	-	-	-79.74	6.58	33.84	-61.41	-25.00	-36.41
7560.0	V	-	-	-80.01	9.59	36.58	-58.68	-25.00	-33.68
10080.0	V	-	-	-81.23	12.20	37.97	-57.29	-25.00	-32.29

Table 7-83. Radiated Spurious Data (NR Band n7 – Low Channel)

Bandwidth (MHz):	40
Frequency (MHz):	2535.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	V	-	-	-79.44	6.50	34.05	-61.20	-25.00	-36.20
7605.0	V	-	-	-80.62	10.29	36.67	-58.59	-25.00	-33.59
10140.0	V	-	-	-80.88	12.03	38.15	-57.10	-25.00	-32.10

Table 7-84. Radiated Spurious Data (NR Band n7 – Mid Channel)

Bandwidth (MHz):	40
Frequency (MHz):	2550.0
RB / Offset:	1 / 108

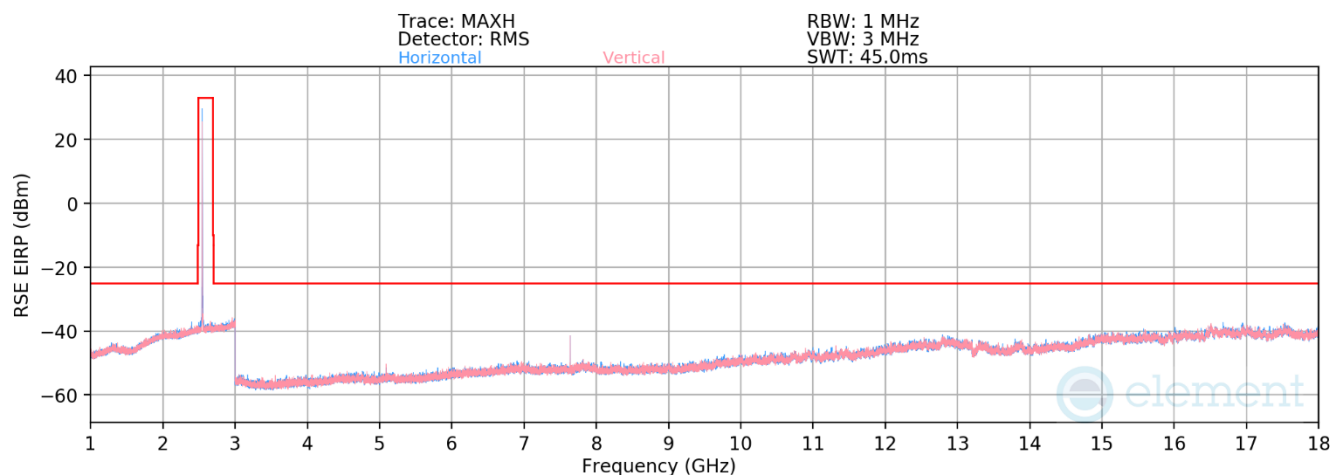
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5100.0	V	-	-	-79.32	6.29	33.97	-61.29	-25.00	-36.29
7650.0	V	-	-	-80.28	9.66	36.38	-58.87	-25.00	-33.87
10200.0	V	-	-	-81.06	12.16	38.10	-57.16	-25.00	-32.16

Table 7-85. Radiated Spurious Data (NR Band n7 – High Channel)

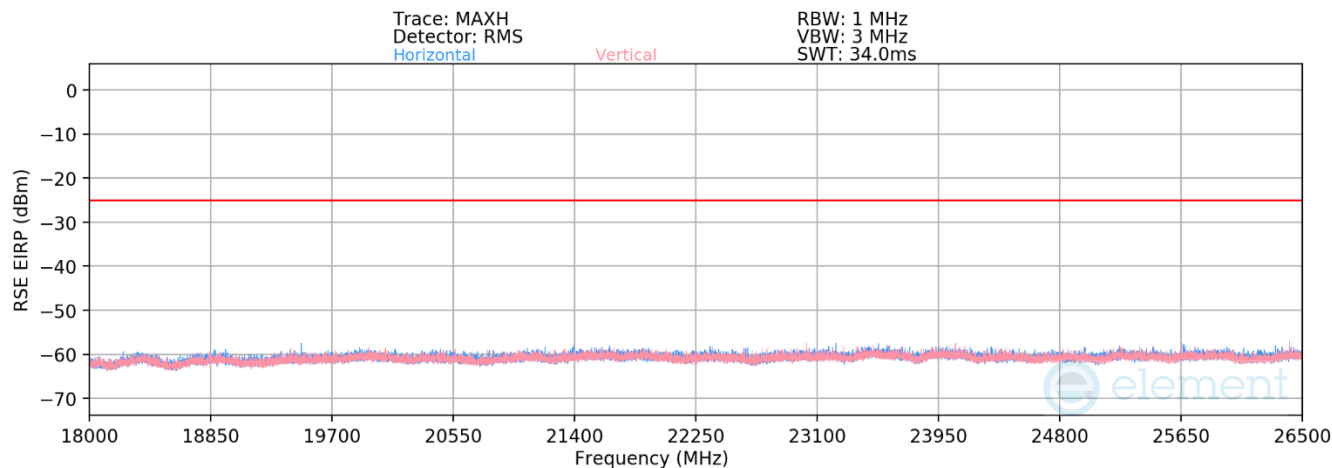
FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41



Plot 7-624. Antenna 1b Radiated Spurious Plot 1GHz – 18GHz (NR Band n41)



Plot 7-625. Antenna 1b Radiated Spurious Emission above 18GHz (NR Band n41)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Bandwidth (MHz):	100
Frequency (MHz):	2546.0
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5092.0	H	-	-	-79.01	7.74	35.73	-59.53	-25.00	-34.53
7638.0	V	216	153	-70.44	11.24	47.80	-47.45	-25.00	-22.45
10184.0	V	-	-	-82.58	16.58	41.00	-54.26	-25.00	-29.26
12730.0	V	-	-	-82.94	19.50	43.56	-51.70	-25.00	-26.70
15276.0	V	-	-	-82.35	23.03	47.68	-47.58	-25.00	-22.58

Table 7-86. Radiated Spurious Data (NR Band n41 – Low Channel)

Bandwidth (MHz):	100
Frequency (MHz):	2593.0
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	V	245	239	-69.06	8.10	46.04	-49.22	-25.00	-24.22
7779.0	V	272	302	-76.03	11.27	42.24	-53.02	-25.00	-28.02
10372.0	V	-	-	-82.20	15.58	40.38	-54.88	-25.00	-29.88
12965.0	V	-	-	-83.13	20.38	44.25	-51.01	-25.00	-26.01
15558.0	V	-	-	-82.98	23.67	47.70	-47.56	-25.00	-22.56

Table 7-87. Radiated Spurious Data (NR Band n41 – Mid Channel)

Bandwidth (MHz):	100
Frequency (MHz):	2640.0
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5280.0	V	277	240	-75.67	8.30	39.64	-55.62	-25.00	-30.62
7920.0	V	107	35	-79.39	11.48	39.09	-56.16	-25.00	-31.16
10560.0	V	-	-	-82.57	16.66	41.09	-54.17	-25.00	-29.17
13200.0	V	-	-	-83.33	19.82	43.49	-51.77	-25.00	-26.77
15840.0	V	-	-	-83.28	23.33	47.04	-48.21	-25.00	-23.21

Table 7-88. Radiated Spurious Data (NR Band n41 – High Channel)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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ULCA - LTE Band 7

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2510.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2529.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5020.0	H	-	-	-77.75	3.17	32.42	-62.84	-25.00	-37.84
7530.0	H	-	-	-79.16	6.17	34.01	-61.25	-25.00	-36.25
10040.0	H	-	-	-80.02	7.71	34.70	-60.56	-25.00	-35.56

Table 7-89. Radiated Spurious Data (ULCA LTE Band 7 – Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2535.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2554.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	H	-	-	-77.85	3.29	32.43	-62.83	-25.00	-37.83
7605.0	H	-	-	-78.89	6.12	34.23	-61.03	-25.00	-36.03
10140.0	H	-	-	-79.75	8.00	35.25	-60.01	-25.00	-35.01

Table 7-90. Radiated Spurious Data (ULCA LTE Band 7 – Mid Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2560.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2540.2
SCC RB / Offset:	1 / 99

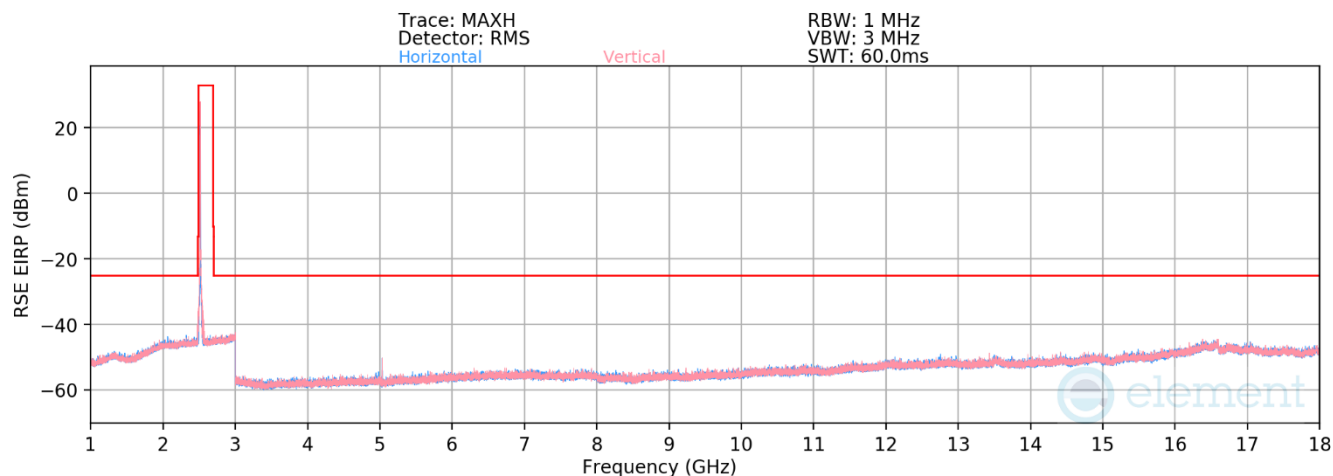
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5120.0	H	-	-	-77.85	3.38	32.52	-62.73	-25.00	-37.73
7680.0	H	-	-	-78.78	6.07	34.29	-60.97	-25.00	-35.97
10240.0	H	-	-	-79.80	8.02	35.22	-60.04	-25.00	-35.04

Table 7-91. Radiated Spurious Data (ULCA LTE Band 7 – High Channel)

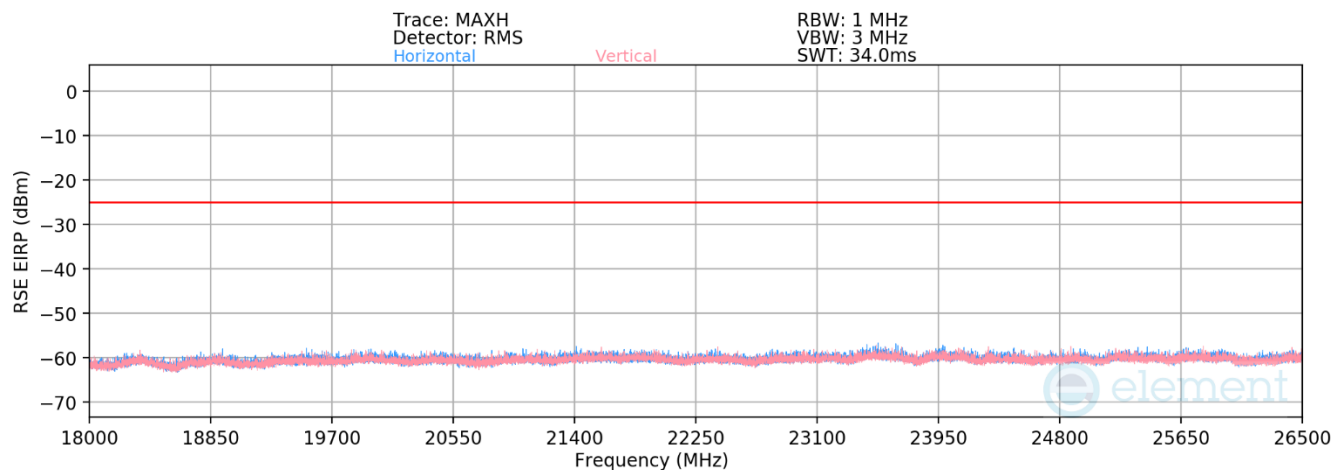
FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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ULCA - LTE Band 41



Plot 7-626. Antenna 1b Radiated Spurious Plot 1GHz – 18GHz (ULCA LTE Band 41)



Plot 7-627. Antenna 1b Radiated Spurious Emission above 18GHz (ULCA LTE Band 41)

FCC ID: BCGA3269		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2506.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2525.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.0	V	144	211	-70.30	3.17	39.87	-55.39	-25.00	-30.39
7518.0	V	-	-	-78.46	5.95	34.49	-60.77	-25.00	-35.77
10024.0	V	-	-	-79.13	7.62	35.49	-59.77	-25.00	-34.77
12530.0	V	-	-	-81.36	11.79	37.43	-57.82	-25.00	-32.82

Table 7-92. Radiated Spurious Data (ULCA LTE Band 41 – Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2593.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2612.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	V	-	-	-77.40	3.75	33.34	-61.91	-25.00	-36.91
7779.0	V	-	-	-77.76	5.71	34.95	-60.31	-25.00	-35.31
10372.0	V	-	-	-79.40	8.06	35.66	-59.60	-25.00	-34.60

Table 7-93. Radiated Spurious Data (ULCA LTE Band 41 – Mid Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2680.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2660.2
SCC RB / Offset:	1 / 99

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.0	V	-	-	-77.34	3.81	33.47	-61.79	-25.00	-36.79
8040.0	V	-	-	-78.11	5.52	34.41	-60.85	-25.00	-35.85
10720.0	V	-	-	-79.70	8.44	35.74	-59.51	-25.00	-34.51

Table 7-94. Radiated Spurious Data (ULCA LTE Band 41 – High Channel)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.7.3 Antenna 3b Radiated Spurious Emission Measurements

LTE Band 30

Bandwidth (MHz):	5
Frequency (MHz):	2307.5
RB / Offset:	1 / 12

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4615.0	V	-	-	-78.45	4.87	33.42	-61.84	-40.00	-21.84
6922.5	H	-	-	-79.79	9.41	36.62	-58.64	-40.00	-18.64
9230.0	H	-	-	-80.24	10.65	37.42	-57.84	-40.00	-17.84

Table 7-95. Radiated Spurious Data (LTE Band 30 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.0	V	-	-	-79.82	6.57	33.76	-61.50	-40.00	-21.50
6930.0	H	-	-	-79.92	9.47	36.55	-58.71	-40.00	-18.71
9240.0	H	-	-	-80.16	10.63	37.47	-57.79	-40.00	-17.79

Table 7-96. Radiated Spurious Data (LTE Band 30 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	2312.5
RB / Offset:	1 / 12

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4625.00	H	-	-	-79.82	6.57	33.75	-61.50	-40.00	-21.50
6937.50	H	-	-	-79.71	9.47	36.76	-58.50	-40.00	-18.50
9250.00	H	-	-	-81.00	11.25	37.24	-58.01	-40.00	-18.01

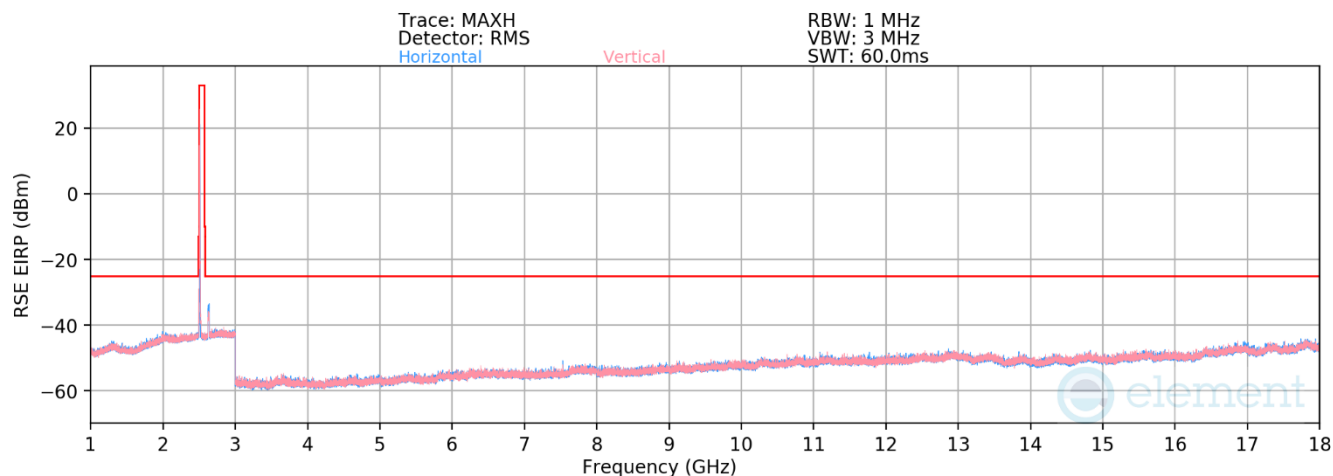
Table 7-97. Radiated Spurious Data (LTE Band 30 – High Channel)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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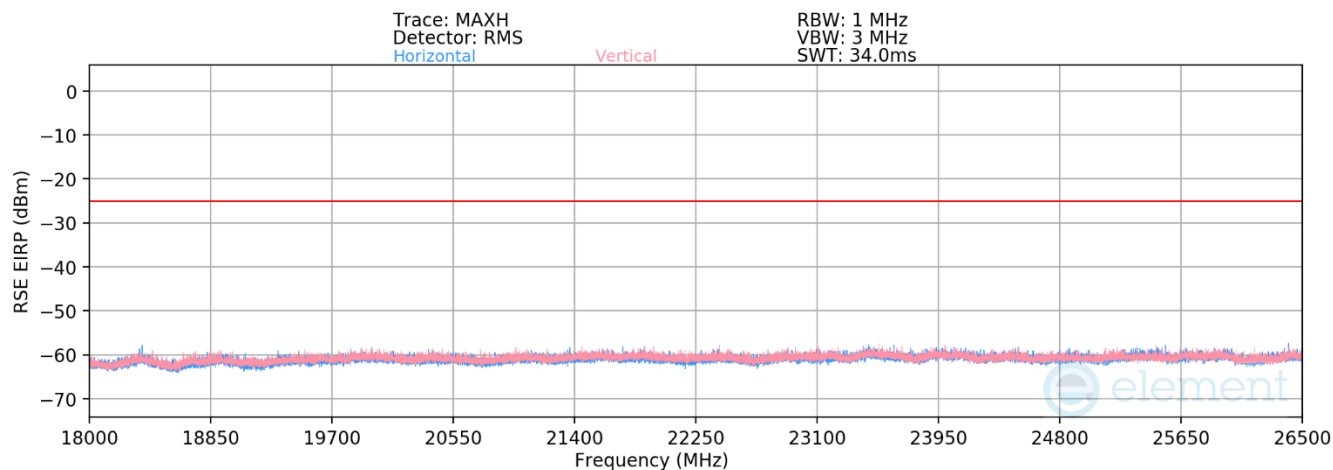
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LTE Band 7



Plot 7-628. Antenna 3b Radiated Spurious Plot 1GHz – 18GHz (LTE Band 7)



Plot 7-629. Antenna 3b Radiated Spurious Emission above 18GHz (LTE Band 7)

FCC ID: BCGA3269		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Bandwidth (MHz):	20
Frequency (MHz):	2510.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5020.0	H	-	-	-79.29	4.80	32.51	-62.75	-25.00	-37.75
7530.0	H	140	112	-78.54	9.04	37.49	-57.76	-25.00	-32.76
10040.0	H	-	-	-81.34	11.76	37.43	-57.83	-25.00	-32.83
12550.0	H	-	-	-83.05	15.81	39.76	-55.50	-25.00	-30.50
15060.0	H	-	-	-83.97	16.12	39.14	-56.11	-25.00	-31.11

Table 7-98. Radiated Spurious Data (LTE Band 7 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2535.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	V	-	-	-79.52	5.43	32.91	-62.35	-25.00	-37.35
7605.0	H	-	-	-81.52	9.46	34.93	-60.32	-25.00	-35.32
10140.0	V	-	-	-81.47	11.79	37.32	-57.93	-25.00	-32.93

Table 7-99. Radiated Spurious Data (LTE Band 7 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2560.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5120.00	V	-	-	-78.81	5.37	33.55	-61.71	-25.00	-36.71
7680.00	H	-	-	-80.01	9.77	36.76	-58.50	-25.00	-33.50
10240.00	V	-	-	-80.15	11.88	38.73	-56.53	-25.00	-31.53

Table 7-100. Radiated Spurious Data (LTE Band 7 – High Channel)

FCC ID: BCGA3269		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 41

Bandwidth (MHz):	20
Frequency (MHz):	2506.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.0	H	-	-	-78.94	6.45	34.52	-60.74	-25.00	-35.74
7518.0	V	-	-	-79.60	9.82	37.22	-58.04	-25.00	-33.04
10024.0	H	-	-	-80.50	12.23	38.73	-56.53	-25.00	-31.53

Table 7-101. Radiated Spurious Data (LTE Band 41 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2593.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	H	-	-	-78.70	5.97	34.27	-60.99	-25.00	-35.99
7779.0	H	-	-	-79.71	9.77	37.06	-58.19	-25.00	-33.19
10372.0	V	-	-	-80.43	12.98	39.55	-55.70	-25.00	-30.70

Table 7-102. Radiated Spurious Data (LTE Band 41 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2680.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.0	H	-	-	-79.55	7.21	34.66	-60.60	-25.00	-35.60
8040.0	V	-	-	-79.73	9.68	36.95	-58.31	-25.00	-33.31
10720.0	H	-	-	-80.00	12.56	39.56	-55.69	-25.00	-30.69

Table 7-103. Radiated Spurious Data (LTE Band 41 – High Channel)

FCC ID: BCGA3269	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n30

Bandwidth (MHz):	5
Frequency (MHz):	2307.5
RB / Offset:	1 / 12

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4615.0	H	-	-	-79.48	6.39	33.91	-61.35	-40.00	-21.35
6922.5	H	-	-	-80.00	9.47	36.47	-58.79	-40.00	-18.79
9230.0	H	-	-	-80.32	10.63	37.31	-57.95	-40.00	-17.95

Table 7-104. Radiated Spurious Data (NR Band n30 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.0	H	-	-	-79.34	6.39	34.05	-61.21	-40.00	-21.21
6930.0	H	-	-	-80.24	9.83	36.58	-58.68	-40.00	-18.68
9240.0	H	-	-	-80.22	10.63	37.42	-57.84	-40.00	-17.84

Table 7-105. Radiated Spurious Data (NR Band n30 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	2312.5
RB / Offset:	1 / 12

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4625.0	H	-	-	-79.78	6.57	33.79	-61.46	-40.00	-21.46
6937.5	H	-	-	-80.34	9.74	36.41	-58.85	-40.00	-18.85
9250.0	H	-	-	-80.12	10.63	37.51	-57.75	-40.00	-17.75

Table 7-106. Radiated Spurious Data (NR Band n30 – High Channel)

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NR Band n7

Bandwidth (MHz):	40
Frequency (MHz):	2520.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5040.0	H	-	-	-79.36	6.58	34.22	-61.04	-25.00	-36.04
7560.0	H	-	-	-81.02	10.52	36.51	-58.75	-25.00	-33.75
10080.0	H	-	-	-80.84	11.58	37.74	-57.52	-25.00	-32.52

Table 7-107. Radiated Spurious Data (NR Band n7 – Low Channel)

Bandwidth (MHz):	40
Frequency (MHz):	2535.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	H	-	-	-79.86	6.66	33.80	-61.46	-25.00	-36.46
7605.0	H	-	-	-81.02	10.52	36.51	-58.75	-25.00	-33.75
10140.0	H	-	-	-80.59	11.92	38.33	-56.93	-25.00	-31.93

Table 7-108. Radiated Spurious Data (NR Band n7 – Mid Channel)

Bandwidth (MHz):	40
Frequency (MHz):	2550.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5100.0	H	-	-	-79.33	6.29	33.96	-61.30	-25.00	-36.30
7650.0	H	-	-	-80.13	9.60	36.47	-58.79	-25.00	-33.79
10200.0	H	-	-	-81.02	12.27	38.25	-57.01	-25.00	-32.01

Table 7-109. Radiated Spurious Data (NR Band n7 – High Channel)

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NR Band n41

Bandwidth (MHz):	100
Frequency (MHz):	2546.0
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5092.0	V	-	-	-79.92	7.64	34.72	-60.54	-25.00	-35.54
7638.0	V	262	114	-77.53	11.24	40.71	-54.54	-25.00	-29.54
10184.0	V	-	-	-82.65	16.58	40.93	-54.33	-25.00	-29.33
12730.0	V	-	-	-83.27	19.57	43.30	-51.96	-25.00	-26.96
15276.0	V	-	-	-83.06	23.45	47.39	-47.87	-25.00	-22.87

Table 7-110. Radiated Spurious Data (NR Band n41 – Low Channel)

Bandwidth (MHz):	100
Frequency (MHz):	2593.0
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	V	-	-	-80.12	8.10	34.98	-60.27	-25.00	-35.27
7779.0	V	-	-	-80.82	12.07	38.25	-57.01	-25.00	-32.01
10372.0	V	-	-	-82.40	15.72	40.32	-54.93	-25.00	-29.93

Table 7-111. Radiated Spurious Data (NR Band n41 – Mid Channel)

Bandwidth (MHz):	100
Frequency (MHz):	2640.0
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5280.0	V	-	-	-80.43	8.40	34.97	-60.28	-25.00	-35.28
7920.0	V	-	-	-80.79	11.87	38.08	-57.17	-25.00	-32.17
10560.0	V	-	-	-82.57	16.66	41.08	-54.17	-25.00	-29.17

Table 7-112. Radiated Spurious Data (NR Band n41 – High Channel)

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ULCA - LTE Band 7

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2510.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2529.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5020.0	V	-	-	-77.74	3.17	32.43	-62.82	-25.00	-37.82
7530.0	V	-	-	-78.86	5.95	34.09	-61.17	-25.00	-36.17
10040.0	V	-	-	-79.93	7.71	34.78	-60.47	-25.00	-35.47

Table 7-113. Radiated Spurious Data (ULCA LTE Band 7 – Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2535.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2554.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	V	-	-	-77.90	3.38	32.48	-62.78	-25.00	-37.78
7605.0	V	-	-	-79.02	6.07	34.05	-61.21	-25.00	-36.21
10140.0	V	-	-	-79.54	7.75	35.22	-60.04	-25.00	-35.04

Table 7-114. Radiated Spurious Data (ULCA LTE Band 7 – Mid Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2560.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2540.2
SCC RB / Offset:	1 / 99

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5120.0	V	-	-	-78.03	3.54	32.50	-62.75	-25.00	-37.75
7680.0	V	-	-	-79.16	6.07	33.91	-61.35	-25.00	-36.35
10240.0	V	-	-	-79.55	7.75	35.21	-60.05	-25.00	-35.05

Table 7-115. Radiated Spurious Data (ULCA LTE Band 7 – High Channel)

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ULCA - LTE Band 41

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2506.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2525.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.0	V	-	-	-76.93	2.94	33.01	-62.25	-25.00	-37.25
7518.0	V	-	-	-78.62	6.17	34.55	-60.71	-25.00	-35.71
10024.0	V	-	-	-78.84	7.36	35.52	-59.74	-25.00	-34.74

Table 7-116. Radiated Spurious Data (ULCA LTE Band 41 – Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2593.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2612.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	V	-	-	-77.43	3.75	33.31	-61.95	-25.00	-36.95
7779.0	V	-	-	-77.86	5.76	34.90	-60.36	-25.00	-35.36
10372.0	V	-	-	-79.22	8.06	35.84	-59.42	-25.00	-34.42

Table 7-117. Radiated Spurious Data (ULCA LTE Band 41 – Mid Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2680.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2660.2
SCC RB / Offset:	1 / 99

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.0	V	-	-	-77.08	3.53	33.46	-61.80	-25.00	-36.80
8040.0	V	-	-	-78.31	5.66	34.34	-60.92	-25.00	-35.92
10720.0	V	-	-	-79.45	8.44	35.99	-59.27	-25.00	-34.27

Table 7-118. Radiated Spurious Data (ULCA LTE Band 41 – High Channel)

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7.7.4 Antenna 2 Radiated Spurious Emission Measurements

LTE Band 30

Bandwidth (MHz):	5
Frequency (MHz):	2307.5
RB / Offset:	1 / 12

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4615.0	H	-	-	-77.58	3.66	33.09	-62.17	-40.00	-22.17
6922.5	V	-	-	-78.01	5.55	34.54	-60.72	-40.00	-20.72
9230.0	H	-	-	-77.72	5.80	35.08	-60.18	-40.00	-20.18

Table 7-119. Radiated Spurious Data (LTE Band 30 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.0	H	-	-	-77.48	3.57	33.08	-62.17	-40.00	-22.17
6930.0	V	-	-	-77.90	5.67	34.77	-60.49	-40.00	-20.49
9240.0	V	-	-	-77.76	5.89	35.13	-60.13	-40.00	-20.13

Table 7-120. Radiated Spurious Data (LTE Band 30 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	2312.5
RB / Offset:	1 / 12

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4625.00	V	-	-	-77.13	3.53	33.40	-61.86	-40.00	-21.86
6937.50	V	-	-	-77.95	5.55	34.60	-60.66	-40.00	-20.66
9250.00	V	-	-	-77.71	5.89	35.18	-60.07	-40.00	-20.07

Table 7-121. Radiated Spurious Data (LTE Band 30 – High Channel)

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LTE Band 7

Bandwidth (MHz):	20
Frequency (MHz):	2510.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5020.0	V	-	-	-77.78	3.62	32.85	-62.41	-25.00	-37.41
7530.0	V	-	-	-77.89	6.05	35.16	-60.10	-25.00	-35.10
10040.0	V	-	-	-77.97	7.04	36.06	-59.19	-25.00	-34.19

Table 7-122. Radiated Spurious Data (LTE Band 7 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2535.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	V	-	-	-77.57	3.96	33.40	-61.86	-25.00	-36.86
7605.0	V	-	-	-78.32	6.65	35.33	-59.93	-25.00	-34.93
10140.0	V	-	-	-77.95	7.65	36.70	-58.56	-25.00	-33.56

Table 7-123. Radiated Spurious Data (LTE Band 7 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2560.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5120.00	V	-	-	-77.13	4.35	34.22	-61.04	-25.00	-36.04
7680.00	V	-	-	-77.85	5.90	35.05	-60.21	-25.00	-35.21
10240.00	V	-	-	-78.44	7.82	36.38	-58.88	-25.00	-33.88

Table 7-124. Radiated Spurious Data (LTE Band 7 – High Channel)

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LTE Band 41

Bandwidth (MHz):	20
Frequency (MHz):	2506.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.0	V	-	-	-77.07	3.38	33.31	-61.94	-25.00	-36.94
7518.0	V	-	-	-77.69	6.22	35.52	-59.73	-25.00	-34.73
10024.0	V	-	-	-77.63	6.97	36.34	-58.92	-25.00	-33.92

Table 7-125. Radiated Spurious Data (LTE Band 41 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2593.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	H	-	-	-77.22	4.75	34.52	-60.73	-25.00	-35.73
7779.0	V	-	-	-77.06	5.70	35.64	-59.62	-25.00	-34.62
10372.0	V	-	-	-77.95	7.78	36.83	-58.43	-25.00	-33.43

Table 7-126. Radiated Spurious Data (LTE Band 41 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	2680.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.0	V	-	-	-76.98	4.58	34.59	-60.66	-25.00	-35.66
8040.0	H	-	-	-77.58	5.63	35.05	-60.21	-25.00	-35.21
10720.0	V	-	-	-78.08	8.47	37.38	-57.87	-25.00	-32.87

Table 7-127. Radiated Spurious Data (LTE Band 41 – High Channel)

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NR Band n30

Bandwidth (MHz):	5
Frequency (MHz):	2307.5
RB / Offset:	1 / 12

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4615.0	H	-	-	-80.17	7.83	34.66	-60.60	-40.00	-20.60
6922.5	H	-	-	-81.50	11.30	36.80	-58.45	-40.00	-18.45
9230.0	H	-	-	-81.91	12.52	37.62	-57.64	-40.00	-17.64

Table 7-128. Radiated Spurious Data (NR Band n30 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.0	H	-	-	-79.94	7.83	34.89	-60.37	-40.00	-20.37
6930.0	H	-	-	-81.47	11.27	36.80	-58.45	-40.00	-18.45
9240.0	H	-	-	-81.74	12.49	37.74	-57.52	-40.00	-17.52

Table 7-129. Radiated Spurious Data (NR Band n30 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	2312.5
RB / Offset:	1 / 12

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4625.0	H	-	-	-80.06	7.83	34.77	-60.49	-40.00	-20.49
6937.5	H	-	-	-81.28	11.30	37.02	-58.24	-40.00	-18.24
9250.0	H	-	-	-81.86	12.55	37.69	-57.57	-40.00	-17.57

Table 7-130. Radiated Spurious Data (NR Band n30 – High Channel)

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NR Band n7

Bandwidth (MHz):	40
Frequency (MHz):	2520.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5040.0	H	-	-	-80.37	7.56	34.19	-61.07	-25.00	-36.07
7560.0	H	-	-	-81.42	11.73	37.31	-57.95	-25.00	-32.95
10080.0	H	-	-	-82.47	14.92	39.45	-55.81	-25.00	-30.81

Table 7-131. Radiated Spurious Data (NR Band n7 – Low Channel)

Bandwidth (MHz):	40
Frequency (MHz):	2535.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	H	-	-	-80.59	7.64	34.05	-61.21	-25.00	-36.21
7605.0	H	-	-	-81.61	11.73	37.12	-58.14	-25.00	-33.14
10140.0	H	-	-	-82.83	15.49	39.65	-55.60	-25.00	-30.60

Table 7-132. Radiated Spurious Data (NR Band n7 – Mid Channel)

Bandwidth (MHz):	40
Frequency (MHz):	2550.0
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5100.0	H	-	-	-80.69	7.82	34.14	-61.12	-25.00	-36.12
7650.0	H	-	-	-81.29	11.20	36.91	-58.34	-25.00	-33.34
10200.0	H	-	-	-82.45	15.95	40.50	-54.76	-25.00	-29.76

Table 7-133. Radiated Spurious Data (NR Band n7 – High Channel)

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NR Band n41

Bandwidth (MHz):	100
Frequency (MHz):	2546.0
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5092.0	H	-	-	-79.04	6.49	34.45	-60.80	-25.00	-35.80
7638.0	H	-	-	-79.56	9.66	37.10	-58.15	-25.00	-33.15
10184.0	H	-	-	-80.33	12.27	38.94	-56.31	-25.00	-31.31

Table 7-134. Radiated Spurious Data (NR Band n41 – Low Channel)

Bandwidth (MHz):	100
Frequency (MHz):	2593.0
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	H	-	-	-78.64	6.11	34.47	-60.78	-25.00	-35.78
7779.0	H	-	-	-79.61	9.77	37.16	-58.10	-25.00	-33.10
10372.0	H	-	-	-79.84	12.38	39.54	-55.72	-25.00	-30.72

Table 7-135. Radiated Spurious Data (NR Band n41 – Mid Channel)

Bandwidth (MHz):	100
Frequency (MHz):	2640.0
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5280.0	H	-	-	-78.37	6.08	34.71	-60.55	-25.00	-35.55
7920.0	H	-	-	-79.96	9.93	36.97	-58.28	-25.00	-33.28
10560.0	H	-	-	-80.67	13.17	39.50	-55.76	-25.00	-30.76

Table 7-136. Radiated Spurious Data (NR Band n41 – High Channel)

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ULCA - LTE Band 7

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2510.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2529.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5020.0	H	-	-	-77.98	3.38	32.39	-62.86	-25.00	-37.86
7530.0	H	-	-	-78.98	6.17	34.19	-61.07	-25.00	-36.07
10040.0	H	-	-	-79.60	7.36	34.76	-60.50	-25.00	-35.50

Table 7-137. Radiated Spurious Data (ULCA LTE Band 7 – Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2535.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2554.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	H	-	-	-77.81	3.29	32.48	-62.78	-25.00	-37.78
7605.0	H	-	-	-78.81	6.07	34.26	-61.00	-25.00	-36.00
10140.0	H	-	-	-79.58	7.75	35.17	-60.09	-25.00	-35.09

Table 7-138. Radiated Spurious Data (ULCA LTE Band 7 – Mid Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2560.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2540.2
SCC RB / Offset:	1 / 99

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5120.0	H	-	-	-77.74	3.29	32.54	-62.72	-25.00	-37.72
7680.0	H	-	-	-78.86	6.07	34.21	-61.04	-25.00	-36.04
10240.0	H	-	-	-79.99	8.00	35.01	-60.25	-25.00	-35.25

Table 7-139. Radiated Spurious Data (ULCA LTE Band 7 – High Channel)

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ULCA - LTE Band 41

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2506.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2525.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.0	H	-	-	-77.13	3.17	33.04	-62.22	-25.00	-37.22
7518.0	H	-	-	-78.42	5.94	34.52	-60.74	-25.00	-35.74
10024.0	H	-	-	-79.27	7.71	35.45	-59.81	-25.00	-34.81

Table 7-140. Radiated Spurious Data (ULCA LTE Band 41 – Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2593.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2612.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	H	-	-	-76.89	3.75	33.85	-61.41	-25.00	-36.41
7779.0	H	-	-	-77.93	5.76	34.83	-60.43	-25.00	-35.43
10372.0	H	-	-	-79.43	8.15	35.73	-59.53	-25.00	-34.53

Table 7-141. Radiated Spurious Data (ULCA LTE Band 41 – Mid Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2680.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2660.2
SCC RB / Offset:	1 / 99

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.0	H	-	-	-76.75	3.53	33.78	-61.47	-25.00	-36.47
8040.0	H	-	-	-78.28	5.66	34.38	-60.88	-25.00	-35.88
10720.0	H	-	-	-79.31	8.44	36.13	-59.13	-25.00	-34.13

Table 7-142. Radiated Spurious Data (ULCA LTE Band 41 – High Channel)

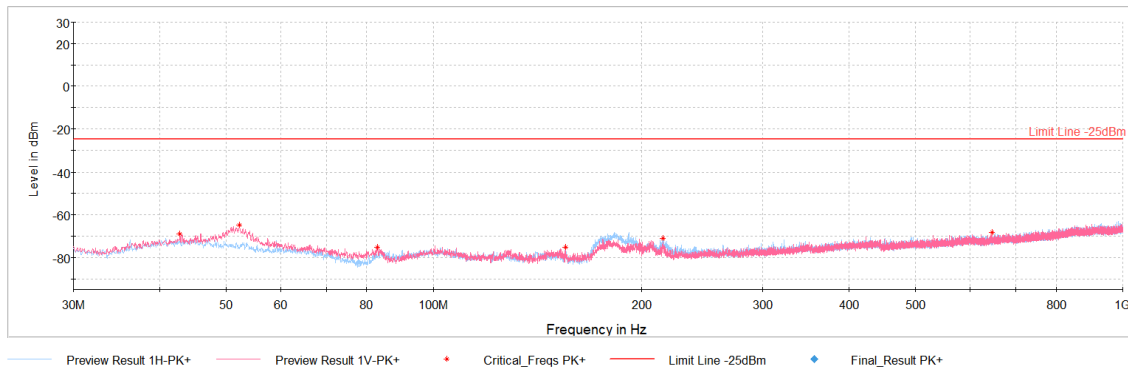
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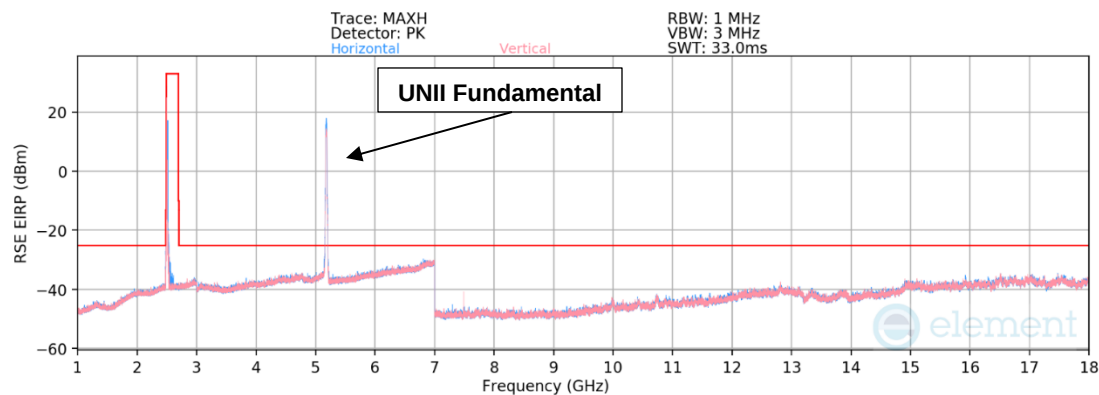
7.7.5 Simultaneous Tx Radiated Spurious Emissions Measurements

Description	LTE B41	UNII
Antenna	Antenna 3b	Antenna 3b
Channel	39750	36
Operating Frequency (MHz)	2506	5180
Mode/Modulation	QPSK/1RB/20MHz	11n

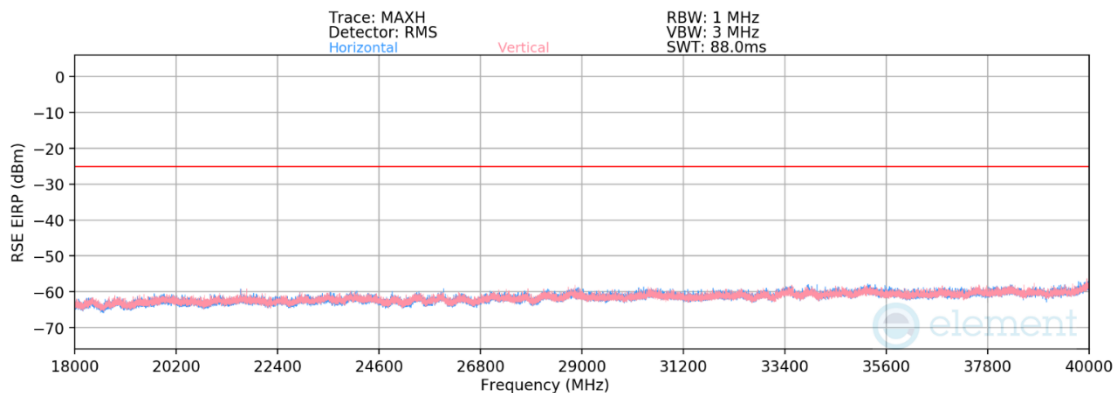
Table 7-143. Worst Case Simultaneous Transmission Configuration



Plot 7-630. Radiated Spurious Emissions - Simultaneous Transmission 30MHz – 1GHz



Plot 7-631. Radiated Spurious Emissions - Simultaneous Transmission 1GHz – 18GHz



Plot 7-632. Radiated Spurious Emissions - Simultaneous Transmission Above 18GHz

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Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10360.00	Peak	-	-	-	-72.16	16.28	51.12	68.23	-17.11
15540.00	Avg	-	-	-	-83.22	23.00	46.78	53.98	-7.20
15540.00	Peak	-	-	-	-72.77	23.00	57.23	73.98	-16.75

Table 7-144. UNII Harmonics Emissions Measurements in Simultaneous Transmission Mode

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dBm]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4994.00	-	-	-	-79.56	17.98	45.4	-49.80	-25.00	-24.80
7491.00	V	267	241	-66.88	11.82	51.9	-43.29	-25.00	-18.29
9988.00	-	-	-	-82.68	15.96	40.3	-54.95	-25.00	-29.95
12485.00	-	-	-	-82.94	20.12	44.2	-51.05	-25.00	-26.05
7863.00*	-	-	-	-80.54	12.07	38.5	-56.70	-25.00	-31.70

Table 7-145. LTE B41 PC2 Harmonics and Intermodulation(*) Emissions Measurements in Simultaneous Transmission Mode

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7.8 Frequency Stability / Temperature Variation

\$2.1055, \$27.54

Test Overview and Limit

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

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

For Part 27, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

Test Procedure Used

ANSI C63.26-2015

TIA-603-E-2016

Test Settings

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

Test Setup

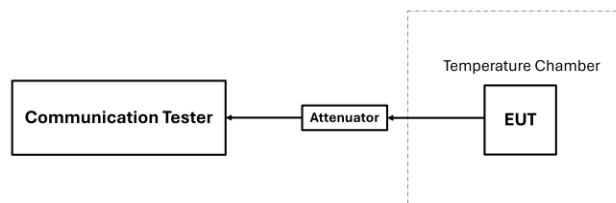


Figure 7-12. LTE Test Instrument & Measurement Setup

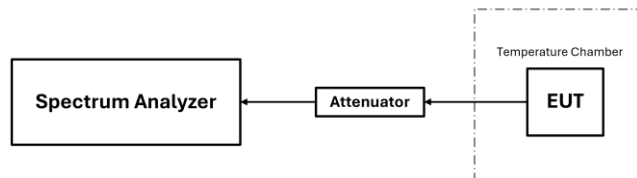


Figure 7-13. FR1 Test Instrument & Measurement Setup

Test Notes

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

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Frequency Stability / Temperature Variation

LTE Band 30				
		Operating Band Lower Boundary (GHz)	2.305	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.3051546	-0.0001546
		- 20	2.3059090	-0.0009090
		- 10	2.3059295	-0.0009295
		0	2.3057867	-0.0007867
		+ 10	2.3055929	-0.0005929
		+ 20 (Ref)	2.3052747	-0.0002747
		+ 30	2.3050789	-0.0000789
		+ 40	2.3055496	-0.0005496
		+ 50	2.3057509	-0.0007509
Battery Endpoint	3.40	+ 20	2.3053225	-0.0003225

Table 7-146. Lower Boundary LTE Band 30 Frequency Stability Data

LTE Band 30				
		Operating Band Upper Boundary (GHz)	2.315	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.3144454	-0.0005546
		- 20	2.3141637	-0.0008363
		- 10	2.3144654	-0.0005346
		0	2.3147404	-0.0002596
		+ 10	2.3147731	-0.0002269
		+ 20 (Ref)	2.3141297	-0.0008703
		+ 30	2.3148002	-0.0001998
		+ 40	2.3148969	-0.0001031
		+ 50	2.3141167	-0.0008833
Battery Endpoint	3.40	+ 20	2.3146103	-0.0003897

Table 7-147. Upper Boundary LTE Band 30 Frequency Stability Data

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Frequency Stability / Temperature Variation

LTE Band 7				
		Operating Band Lower Boundary (GHz)	2.500	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.5002486	-0.0002486
		- 20	2.5003064	-0.0003064
		- 10	2.5007441	-0.0007441
		0	2.5000625	-0.0000625
		+ 10	2.5006403	-0.0006403
		+ 20 (Ref)	2.5005005	-0.0005005
		+ 30	2.5009711	-0.0009711
		+ 40	2.5009113	-0.0009113
		+ 50	2.5004933	-0.0004933
Battery Endpoint	3.40	+ 20	2.5004816	-0.0004816

Table 7-148. Lower Boundary LTE Band 7 Frequency Stability Data

LTE Band 7				
		Operating Band Upper Boundary (GHz)	2.570	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.5693401	-0.0006599
		- 20	2.5695311	-0.0004689
		- 10	2.5694861	-0.0005139
		0	2.5691005	-0.0008995
		+ 10	2.5690354	-0.0009646
		+ 20 (Ref)	2.5695764	-0.0004236
		+ 30	2.5690730	-0.0009270
		+ 40	2.5692106	-0.0007894
		+ 50	2.5694883	-0.0005117
Battery Endpoint	3.40	+ 20	2.5690236	-0.0009764

Table 7-149. Upper Boundary LTE Band 7 Frequency Stability Data

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Frequency Stability / Temperature Variation

LTE Band 41				
		Operating Band Lower Boundary (GHz)		2.496
		Ref. Voltage (VDC):		3.80
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.4969323	-0.0009323
		- 20	2.4966542	-0.0006542
		- 10	2.4964186	-0.0004186
		0	2.4961314	-0.0001314
		+ 10	2.4965097	-0.0005097
		+ 20 (Ref)	2.4967459	-0.0007459
		+ 30	2.4963362	-0.0003362
		+ 40	2.4960085	-0.0000085
		+ 50	2.4965823	-0.0005823
Battery Endpoint	3.40	+ 20	2.4962448	-0.0002448

Table 7-150. Lower Boundary LTE Band 41 Frequency Stability Data

LTE Band 41				
		Operating Band Upper Boundary (GHz)		2.690
		Ref. Voltage (VDC):		3.80
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.6897665	-0.0002335
		- 20	2.6898649	-0.0001351
		- 10	2.6893795	-0.0006205
		0	2.6892755	-0.0007245
		+ 10	2.6897150	-0.0002850
		+ 20 (Ref)	2.6893849	-0.0006151
		+ 30	2.6890177	-0.0009823
		+ 40	2.6891175	-0.0008825
		+ 50	2.6898920	-0.0001080
Battery Endpoint	3.40	+ 20	2.6891655	-0.0008345

Table 7-151. Upper Boundary LTE Band 41 Frequency Stability Data

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Frequency Stability / Temperature Variation

NR Band n30				
		Operating Band Lower Boundary (GHz)	2.3050	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.3057126	-0.0007126
		- 20	2.3054554	-0.0004554
		- 10	2.3055086	-0.0005086
		0	2.3052458	-0.0002458
		+ 10	2.3056378	-0.0006378
		+ 20 (Ref)	2.3055613	-0.0005613
		+ 30	2.3059941	-0.0009941
		+ 40	2.3053584	-0.0003584
Battery Endpoint	3.40	+ 50	2.3056423	-0.0006423
		+ 20	2.3059639	-0.0009639

Table 7-152. Lower Boundary NR Band n30 Frequency Stability Data

NR Band n30				
		Operating Band Upper Boundary (GHz)	2.3150	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.3144360	-0.0005640
		- 20	2.3145032	-0.0004968
		- 10	2.3149570	-0.0000430
		0	2.3145637	-0.0004363
		+ 10	2.3147379	-0.0002621
		+ 20 (Ref)	2.3146902	-0.0003098
		+ 30	2.3147459	-0.0002541
		+ 40	2.3148630	-0.0001370
Battery Endpoint	3.40	+ 50	2.3146900	-0.0003100
		+ 20	2.3146183	-0.0003817

Table 7-153. Upper Boundary NR Band n30 Frequency Stability Data

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Frequency Stability / Temperature Variation

NR Band n7				
		Operating Band Lower Boundary (GHz)	2.500	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.5009855	-0.0009855
		- 20	2.5008355	-0.0008355
		- 10	2.5005398	-0.0005398
		0	2.5005997	-0.0005997
		+ 10	2.5008835	-0.0008835
		+ 20 (Ref)	2.5006028	-0.0006028
		+ 30	2.5004913	-0.0004913
		+ 40	2.5004514	-0.0004514
		+ 50	2.5004332	-0.0004332
Battery Endpoint	3.40	+ 20	2.5001812	-0.0001812

Table 7-154. Lower Boundary NR Band n7 Frequency Stability Data

NR Band n7				
		Operating Band Upper Boundary (GHz)	2.570	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.5693293	-0.0006707
		- 20	2.5692804	-0.0007196
		- 10	2.5696460	-0.0003540
		0	2.5693566	-0.0006434
		+ 10	2.5690357	-0.0009643
		+ 20 (Ref)	2.5697226	-0.0002774
		+ 30	2.5693070	-0.0006930
		+ 40	2.5692876	-0.0007124
		+ 50	2.5692586	-0.0007414
Battery Endpoint	3.40	+ 20	2.5695434	-0.0004566

Table 7-155. Upper Boundary NR Band n7 Frequency Stability Data

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Frequency Stability / Temperature Variation

NR Band n41				
		Operating Band Lower Boundary (GHz)	2.496	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.4960883	-0.0000883
		- 20	2.4964679	-0.0004679
		- 10	2.4965490	-0.0005490
		0	2.4969550	-0.0009550
		+ 10	2.4967001	-0.0007001
		+ 20 (Ref)	2.4964278	-0.0004278
		+ 30	2.4962575	-0.0002575
		+ 40	2.4960543	-0.0000543
		+ 50	2.4968419	-0.0008419
Battery Endpoint	3.40	+ 20	2.4964899	-0.0004899

Table 7-156. Lower Boundary NR Band n41 Frequency Stability Data

NR Band n41				
		Operating Band Upper Boundary (GHz)	2.690	
		Ref. Voltage (VDC):	3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.6896282	-0.0003718
		- 20	2.6896980	-0.0003020
		- 10	2.6895285	-0.0004715
		0	2.6892000	-0.0008000
		+ 10	2.6891202	-0.0008798
		+ 20 (Ref)	2.6895703	-0.0004297
		+ 30	2.6891435	-0.0008565
		+ 40	2.6890014	-0.0009986
		+ 50	2.6890848	-0.0009152
Battery Endpoint	3.40	+ 20	2.6899082	-0.0000918

Table 7-157. Upper Boundary NR Band n41 Frequency Stability Data

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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the Apple **Tablet Device** **FCC ID: BCGA3269** complies with all the requirements of Part 27 of the FCC rules.

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