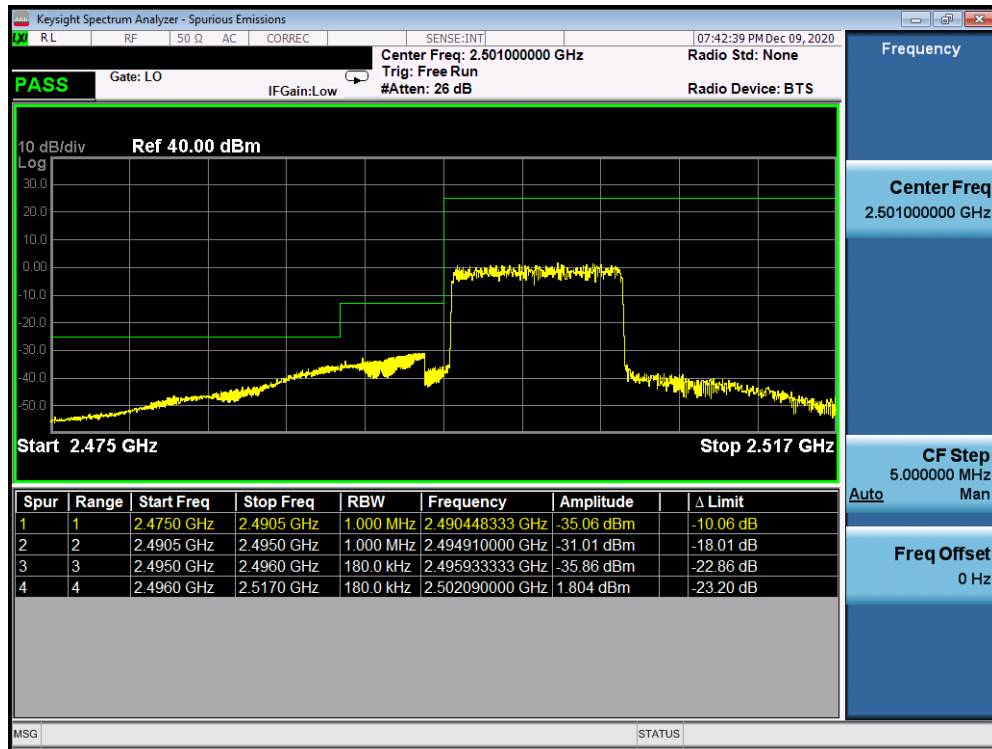
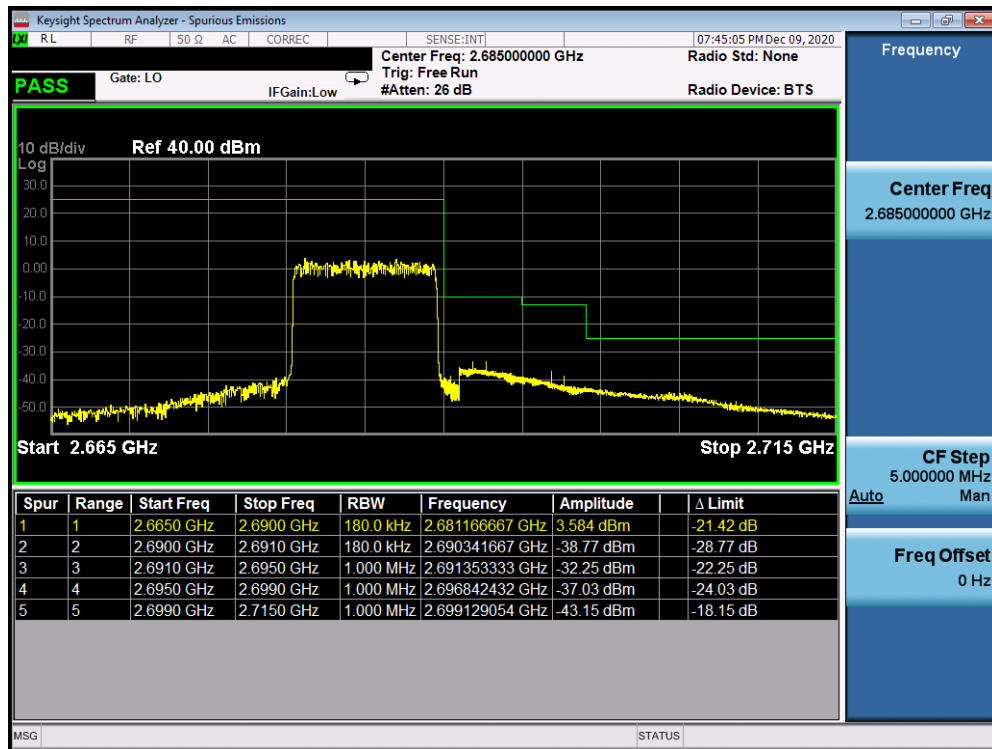




Plot 7-190. Lower ACP Plot (LTE Band 41 - 10MHz QPSK – Full RB Configuration)

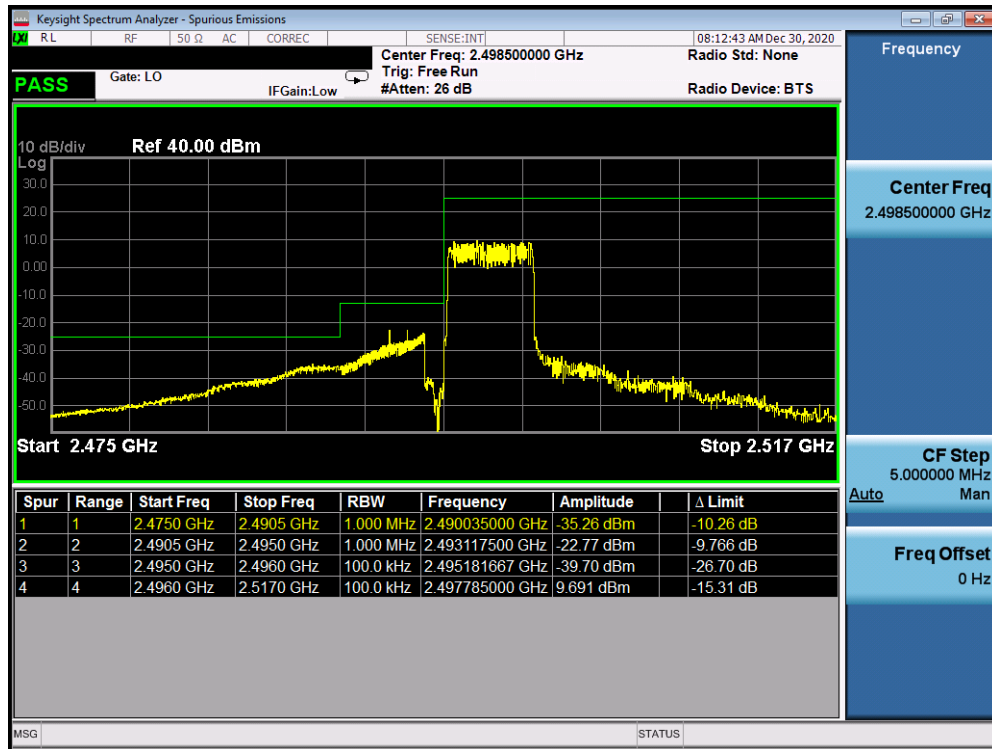


Plot 7-191. Upper ACP Plot (LTE Band 41 - 10MHz QPSK – Full RB Configuration)

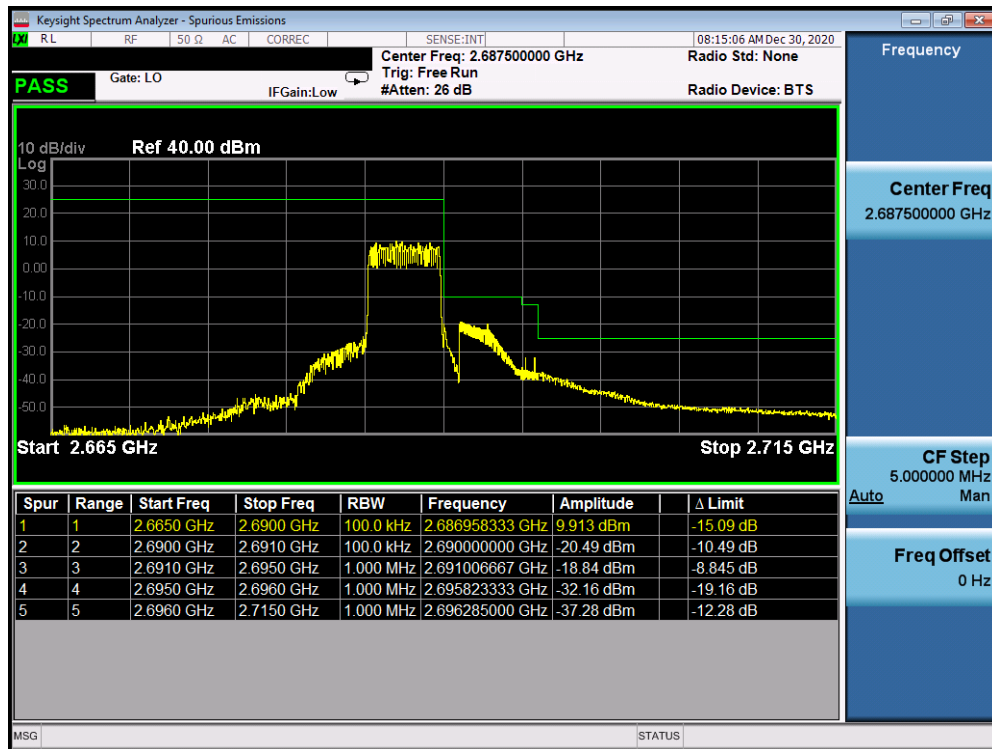
FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 120 of 224

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Plot 7-192. Lower ACP Plot (LTE Band 41 - 5MHz QPSK – Full RB Configuration)



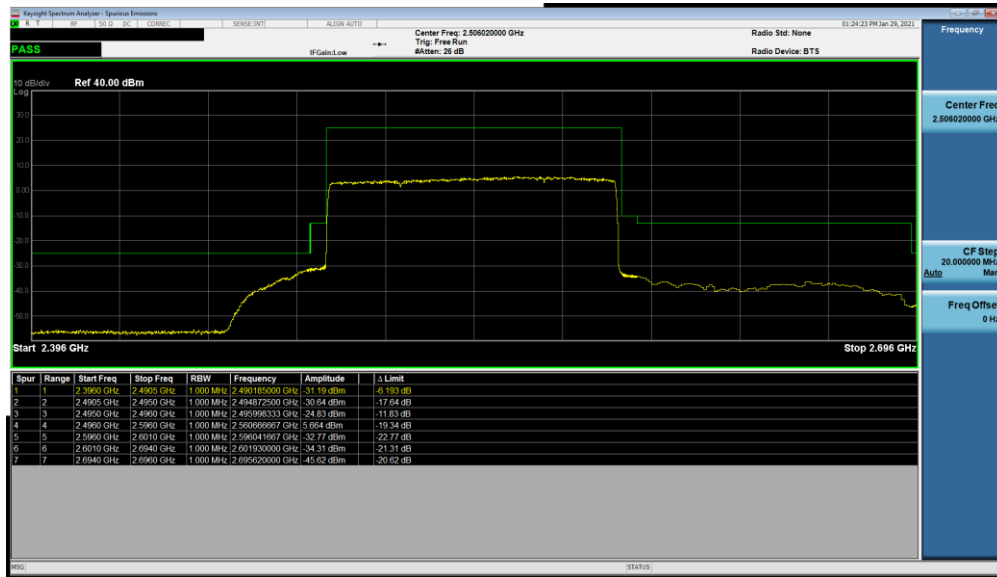
Plot 7-193. Upper ACP Plot (LTE Band 41 - 5MHz QPSK – Full RB Configuration)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
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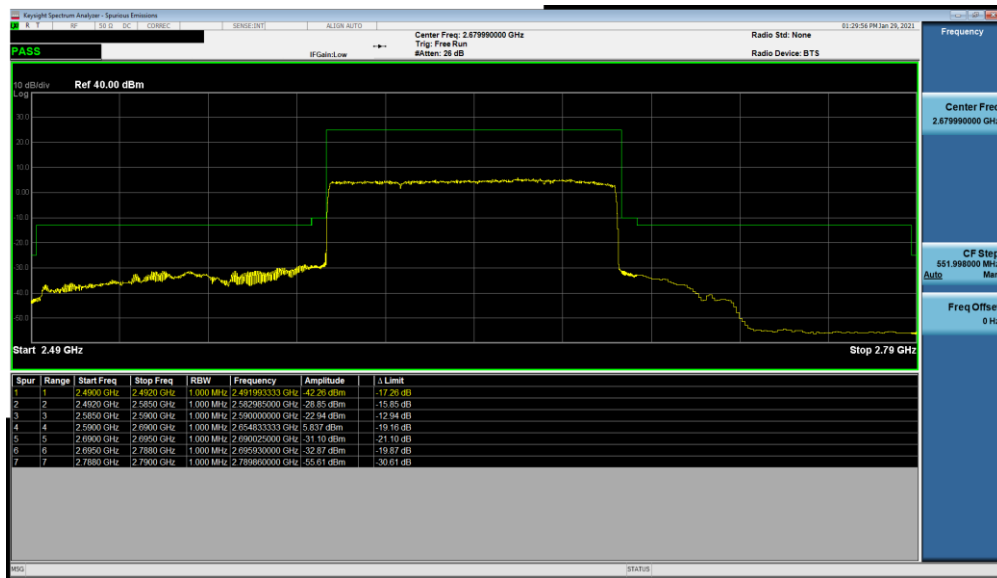
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NR Band n41



Plot 7-194. Lower ACP Plot (NR Band n41 - 100MHz DFT-s-OFDM $\Pi/2$ BPSK – Full RB Configuration)

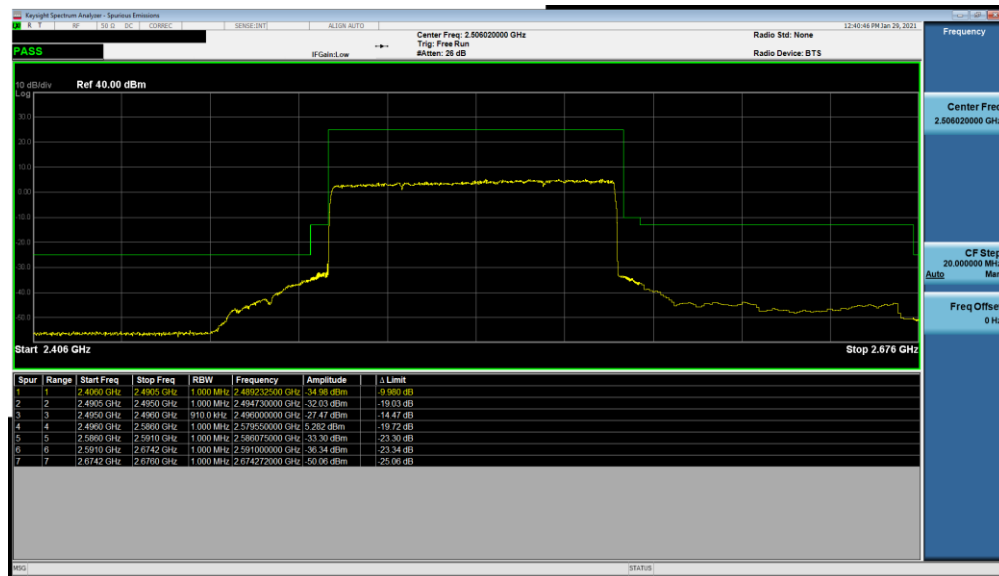


Plot 7-195. Upper ACP Plot (NR Band n41 - 100MHz DFT-s-OFDM $\Pi/2$ BPSK – Full RB Configuration)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
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Plot 7-196. Lower ACP Plot (NR Band n41 - 90MHz DFT-s-OFDM $\Pi/2$ BPSK – Full RB Configuration)

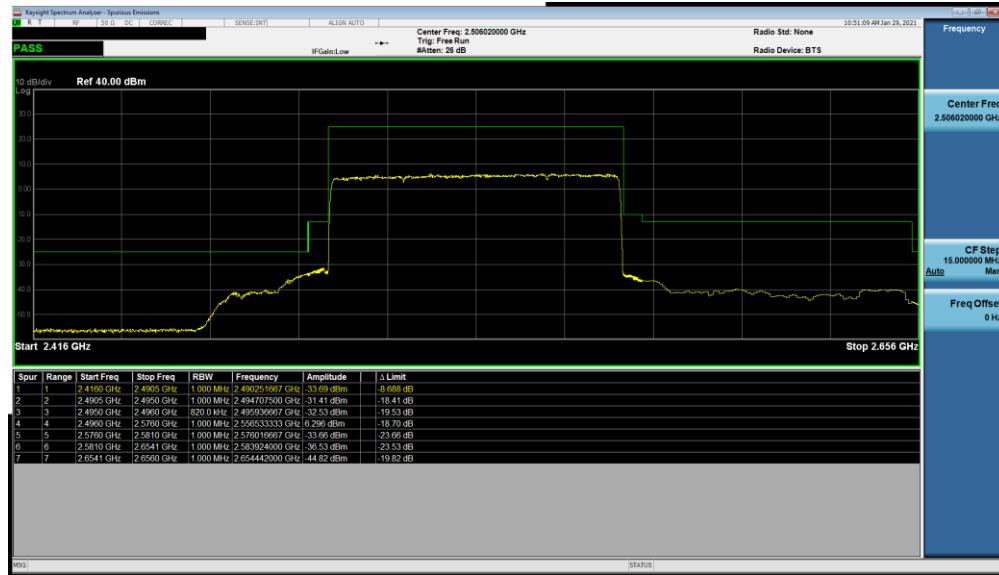


Plot 7-197. Upper ACP Plot (NR Band n41 - 90MHz DFT-s-OFDM $\Pi/2$ BPSK – Full RB Configuration)

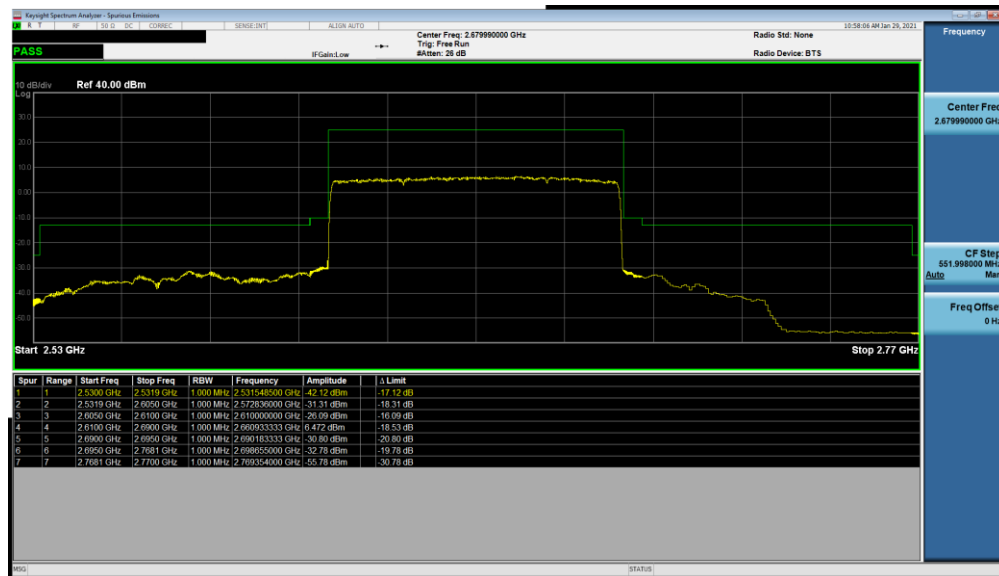
FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
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Plot 7-198. Lower ACP Plot (NR Band n41 - 80MHz DFT-s-OFDM $\Pi/2$ BPSK – Full RB Configuration)

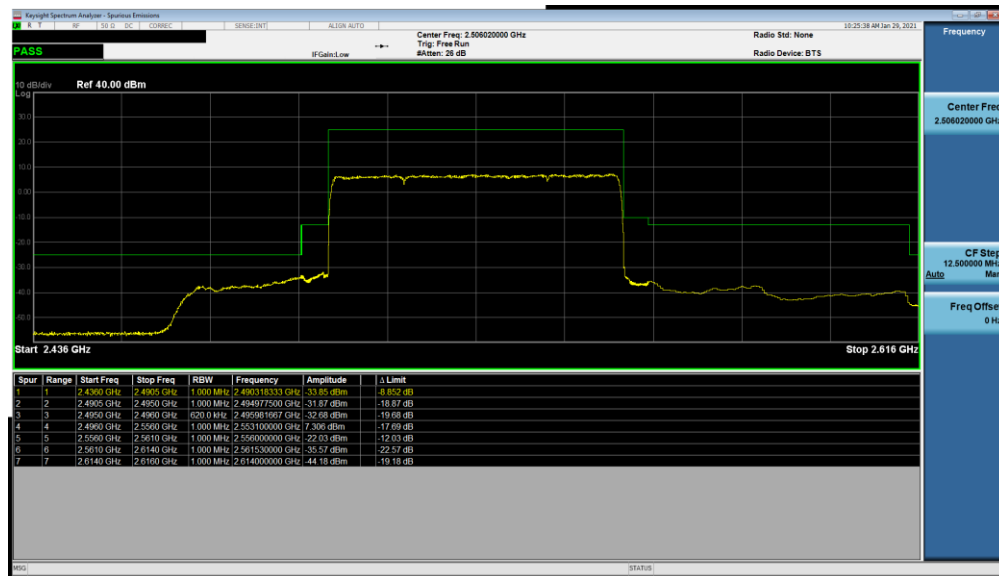


Plot 7-199. Upper ACP Plot (NR Band n41 - 80MHz DFT-s-OFDM $\Pi/2$ BPSK – Full RB Configuration)

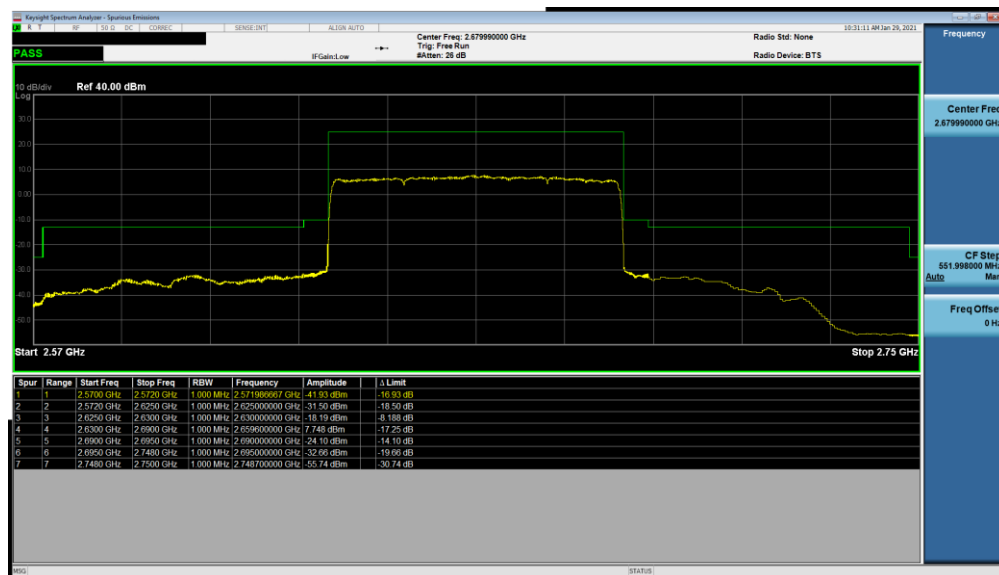
FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
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Plot 7-200. Lower ACP Plot (NR Band n41 - 60MHz DFT-s-OFDM $\Pi/2$ BPSK – Full RB Configuration)

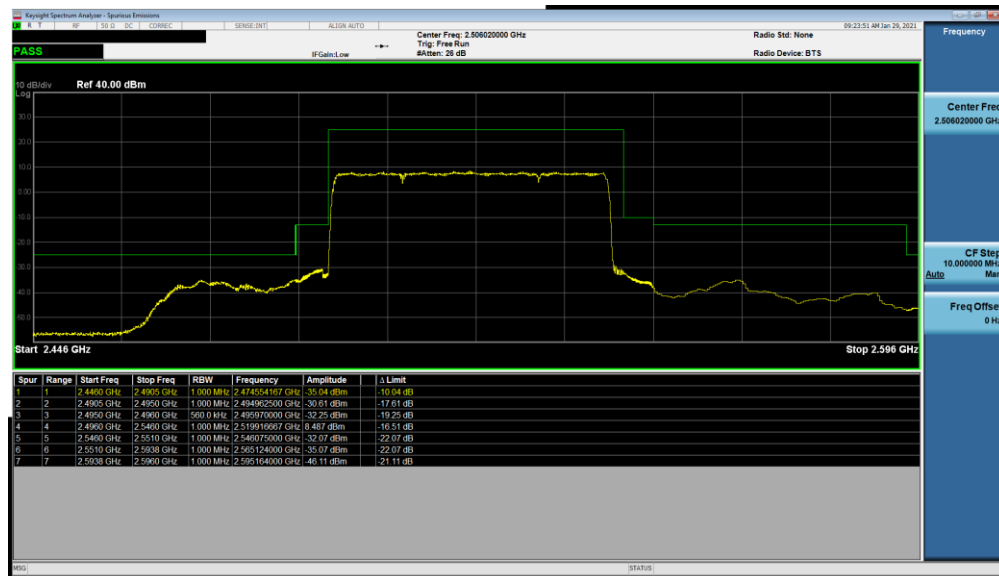


Plot 7-201. Upper ACP Plot (NR Band n41 - 60MHz DFT-s-OFDM $\Pi/2$ BPSK – Full RB Configuration)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
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Plot 7-202. Lower ACP Plot (NR Band n41 - 50MHz DFT-s-OFDM $\Pi/2$ BPSK – Full RB Configuration)

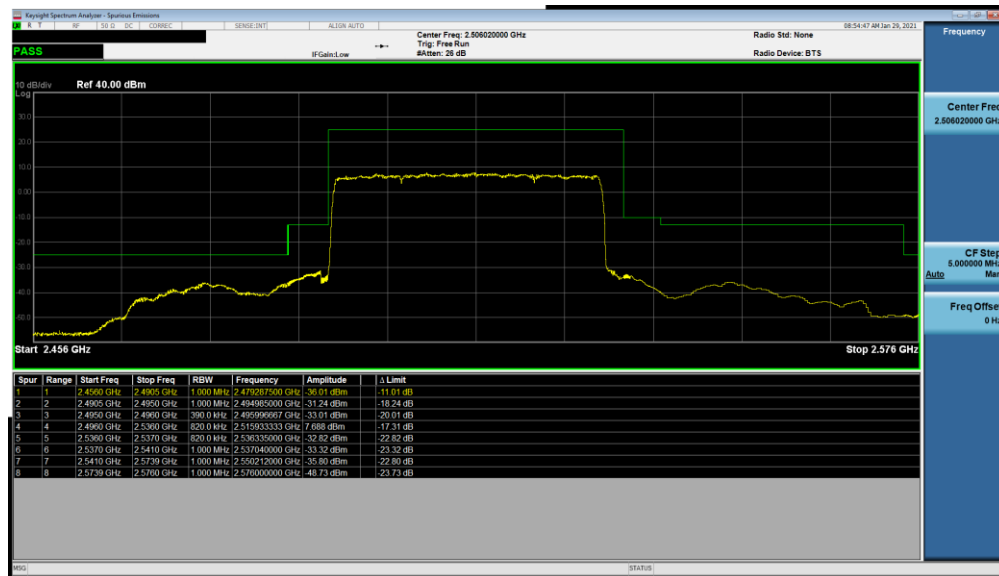


Plot 7-203. Upper ACP Plot (NR Band n41 - 50MHz DFT-s-OFDM $\Pi/2$ BPSK – Full RB Configuration)

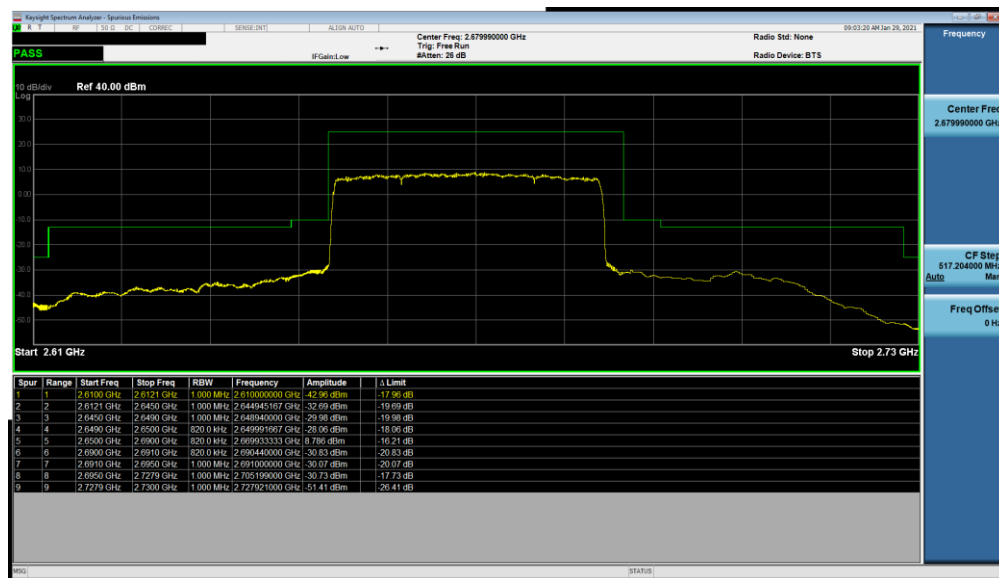
FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 126 of 224

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Plot 7-204. Lower ACP Plot (NR Band n41 - 40MHz DFT-s-OFDM $\Pi/2$ BPSK – Full RB Configuration)

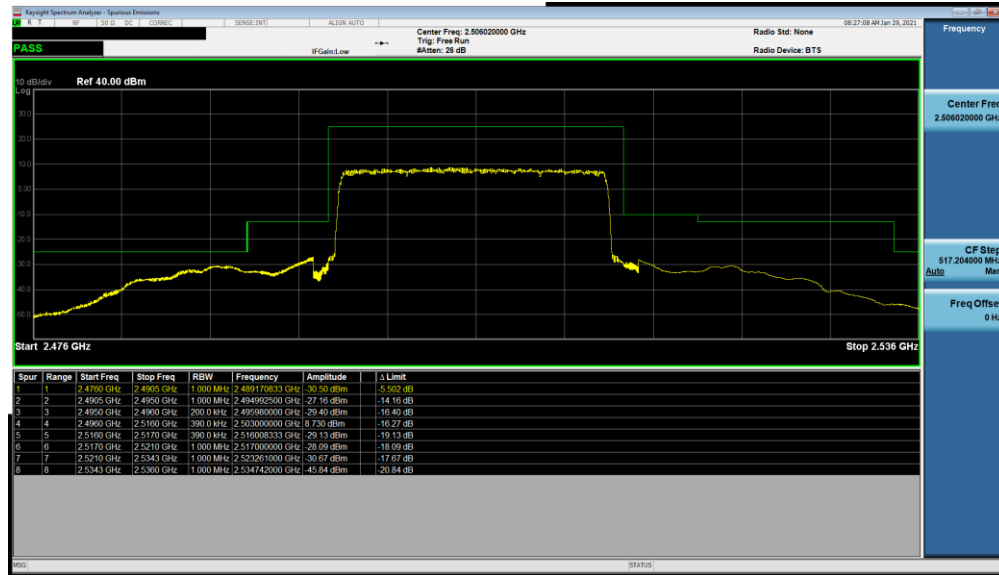


Plot 7-205. Upper ACP Plot (NR Band n41 - 40MHz DFT-s-OFDM $\Pi/2$ BPSK – Full RB Configuration)

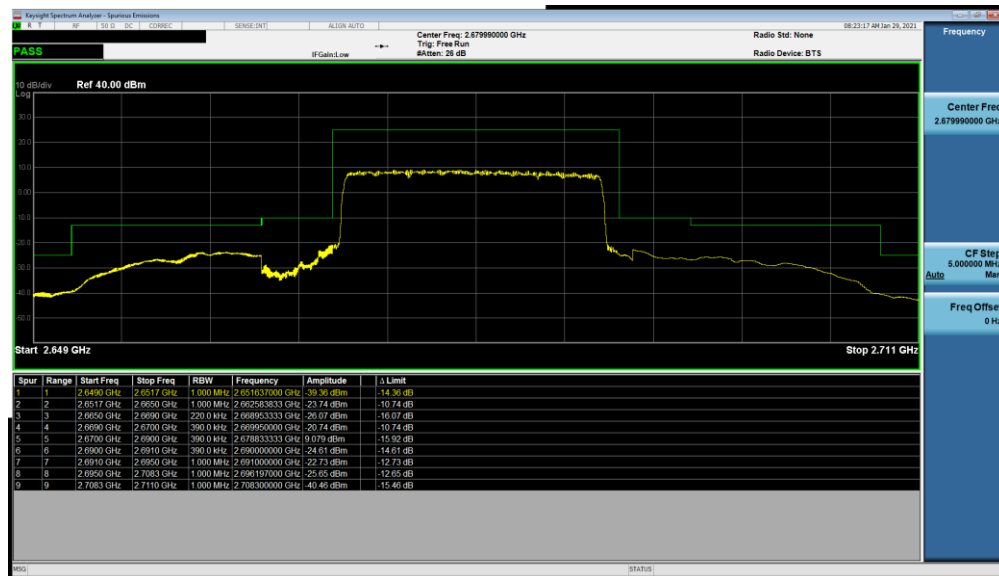
FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 127 of 224

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Plot 7-206. Lower ACP Plot (NR Band n41 - 20MHz DFT-s-OFDM $\Pi/2$ BPSK – Full RB Configuration)



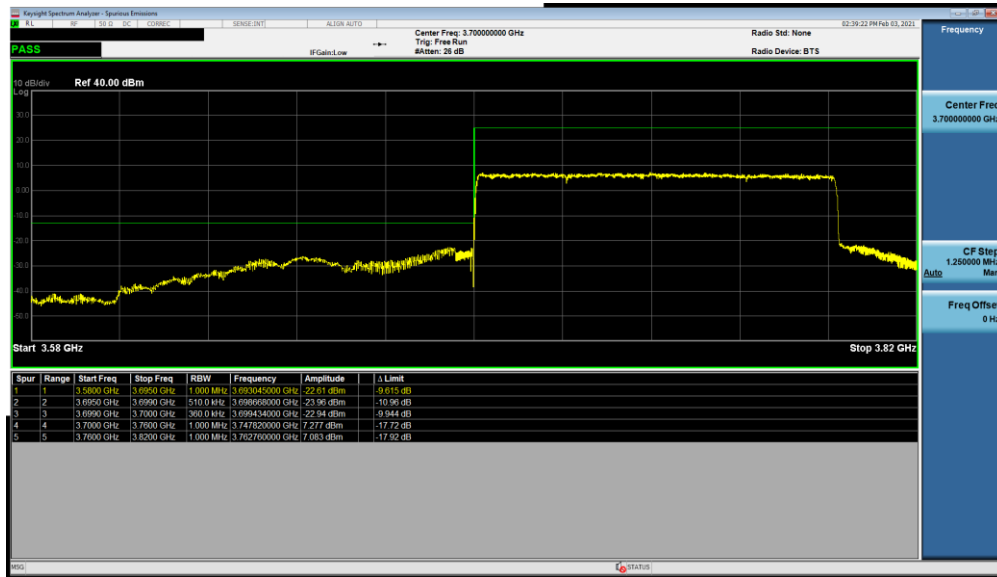
Plot 7-207. Upper ACP Plot (NR Band n41 - 20MHz DFT-s-OFDM $\Pi/2$ BPSK – Full RB Configuration)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
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NR Band n77



Plot 7-208. Lower ACP Plot (NR Band n77 - 100MHz DFT-s-OFDM $\Pi/2$ BPSK – Full RB Configuration)

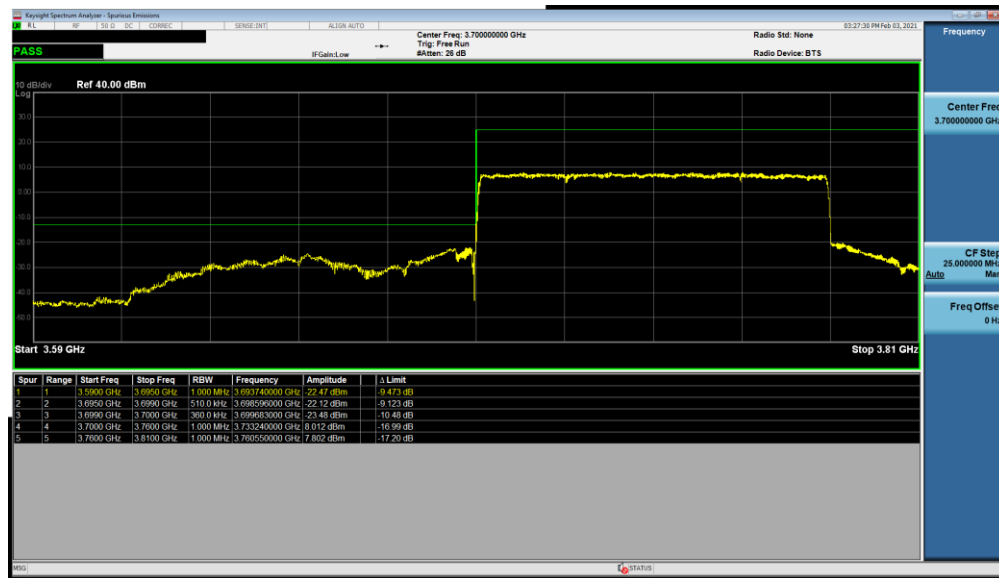


Plot 7-209. Upper ACP Plot (NR Band n77 - 100MHz DFT-s-OFDM $\Pi/2$ BPSK – Full RB Configuration)

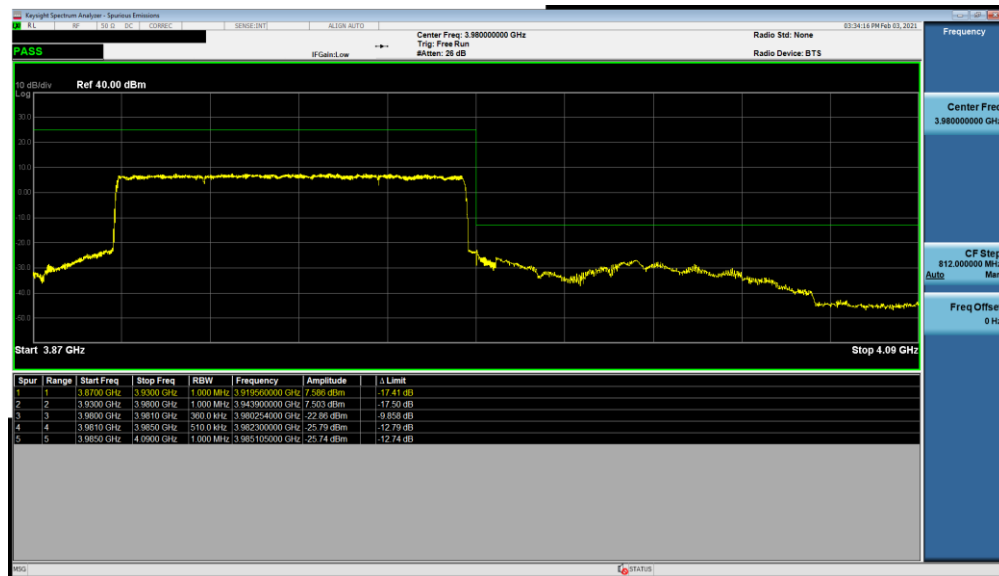
FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 129 of 224

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Plot 7-210. Lower ACP Plot (NR Band n77 - 90MHz DFT-s-OFDM $\Pi/2$ BPSK – Full RB Configuration)

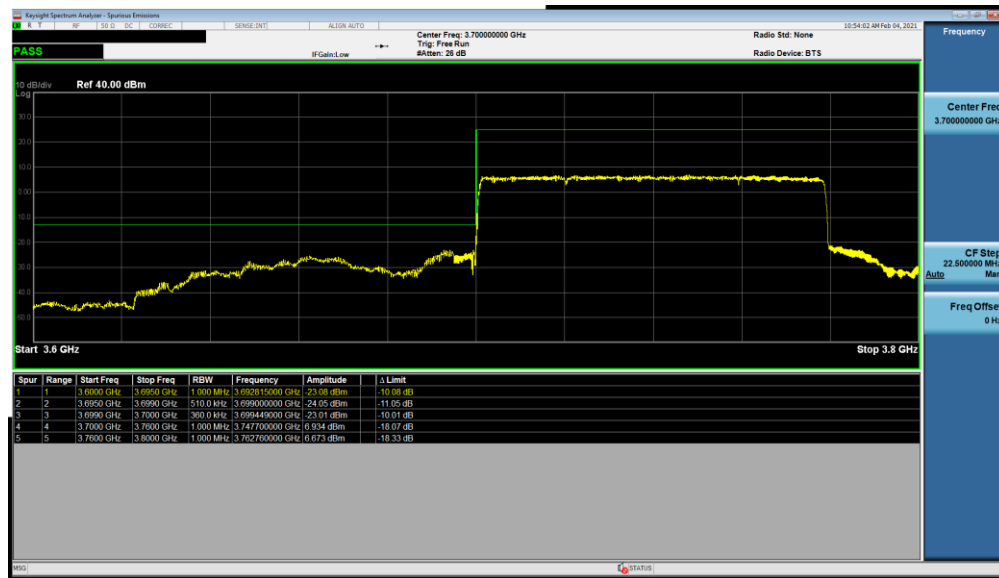


Plot 7-211. Upper ACP Plot (NR Band n77 - 90MHz DFT-s-OFDM $\Pi/2$ BPSK – Full RB Configuration)

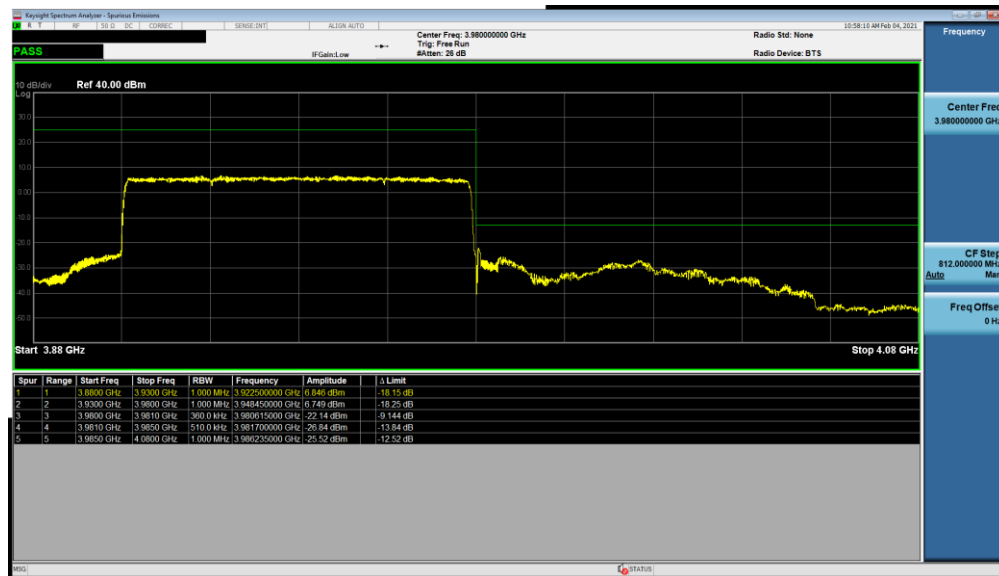
FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
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Plot 7-212. Lower ACP Plot (NR Band n77 - 80MHz DFT-s-OFDM $\Pi/2$ BPSK – Full RB Configuration)

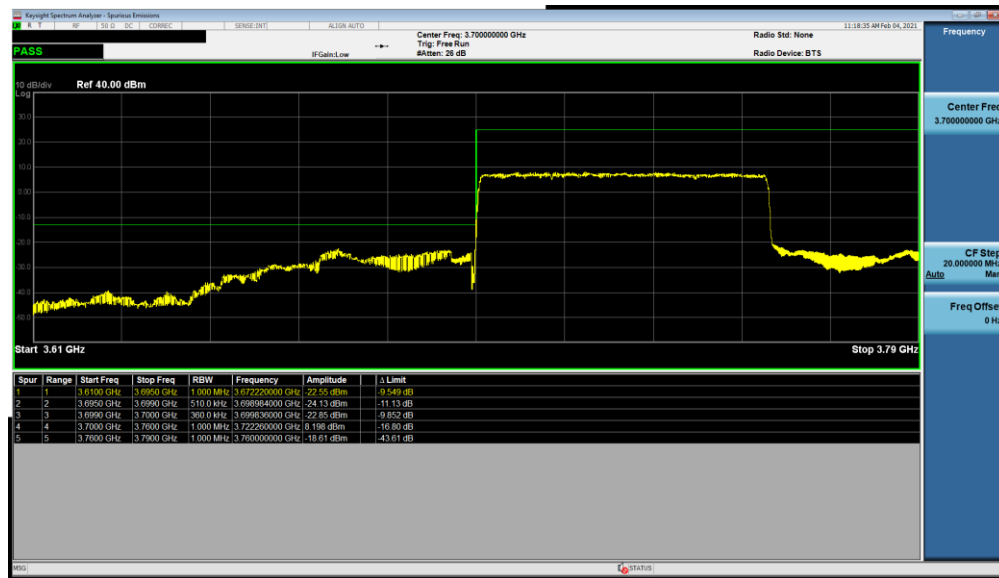


Plot 7-213. Upper ACP Plot (NR Band n77 - 80MHz DFT-s-OFDM $\Pi/2$ BPSK – Full RB Configuration)

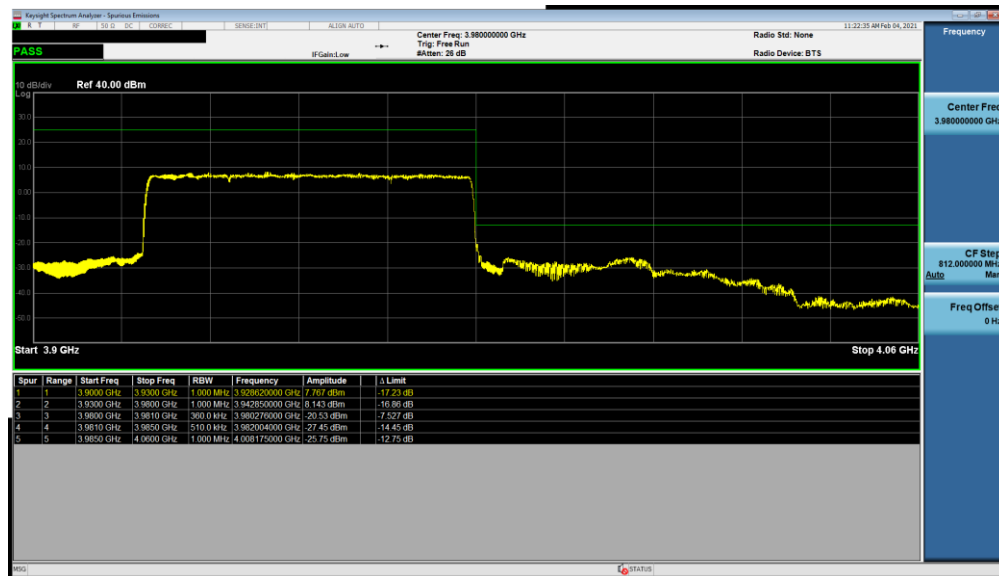
FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
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Plot 7-214. Lower ACP Plot (NR Band n77 - 60MHz DFT-s-OFDM $\Pi/2$ BPSK – Full RB Configuration)

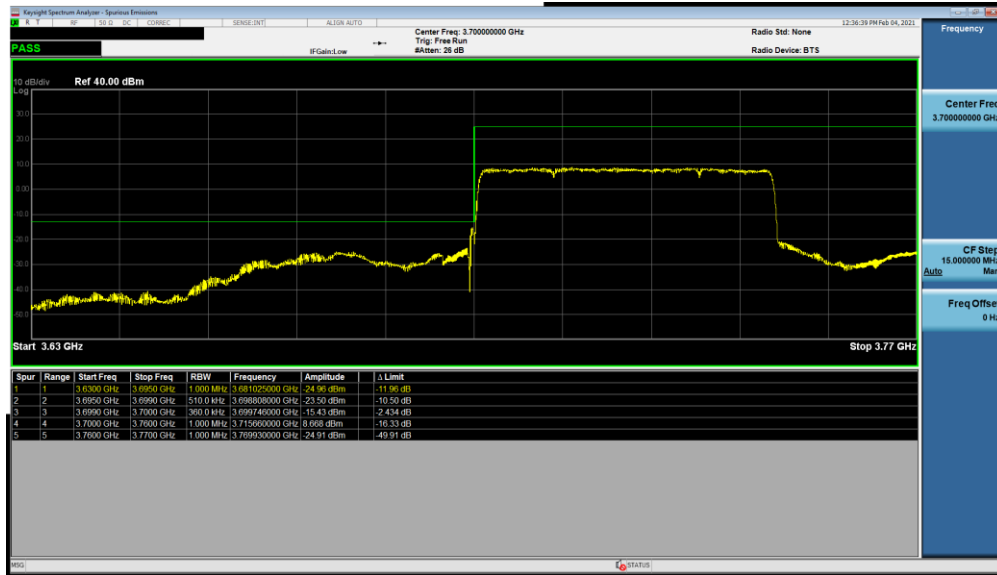


Plot 7-215. Upper ACP Plot (NR Band n77 - 60MHz DFT-s-OFDM $\Pi/2$ BPSK – Full RB Configuration)

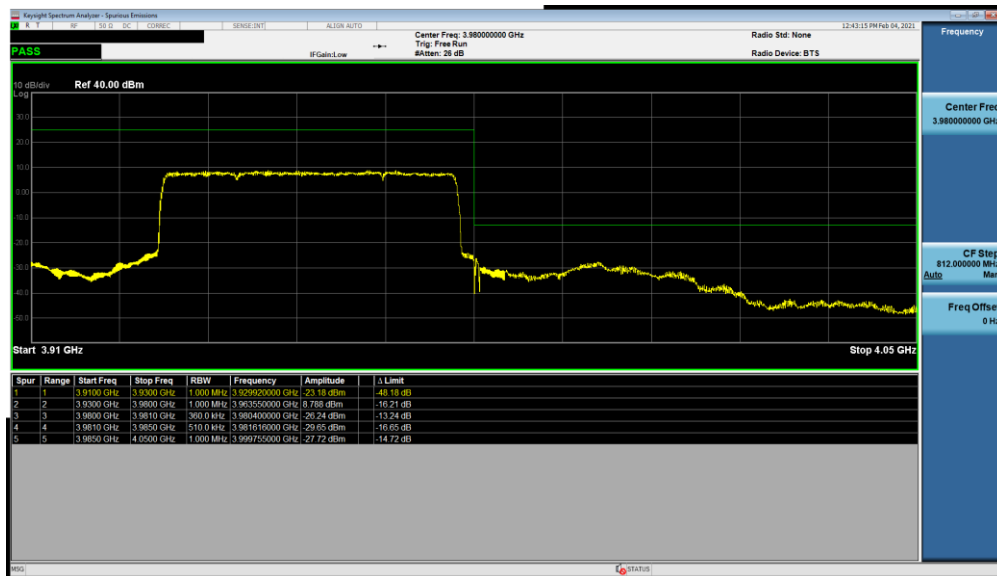
FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 132 of 224

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Plot 7-216. Lower ACP Plot (NR Band n77 - 50MHz DFT-s-OFDM $\Pi/2$ BPSK – Full RB Configuration)

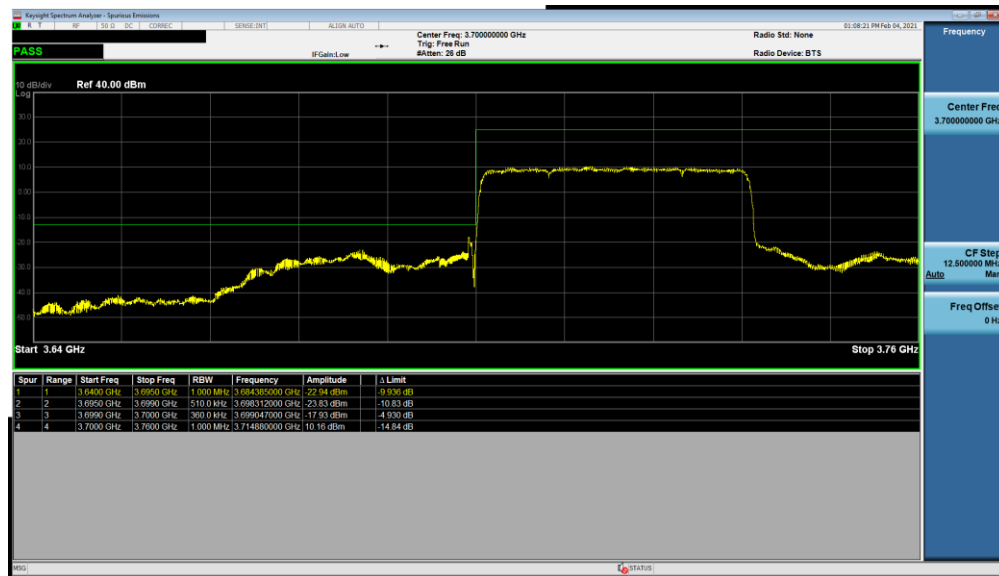


Plot 7-217. Upper ACP Plot (NR Band n77 - 50MHz DFT-s-OFDM $\Pi/2$ BPSK – Full RB Configuration)

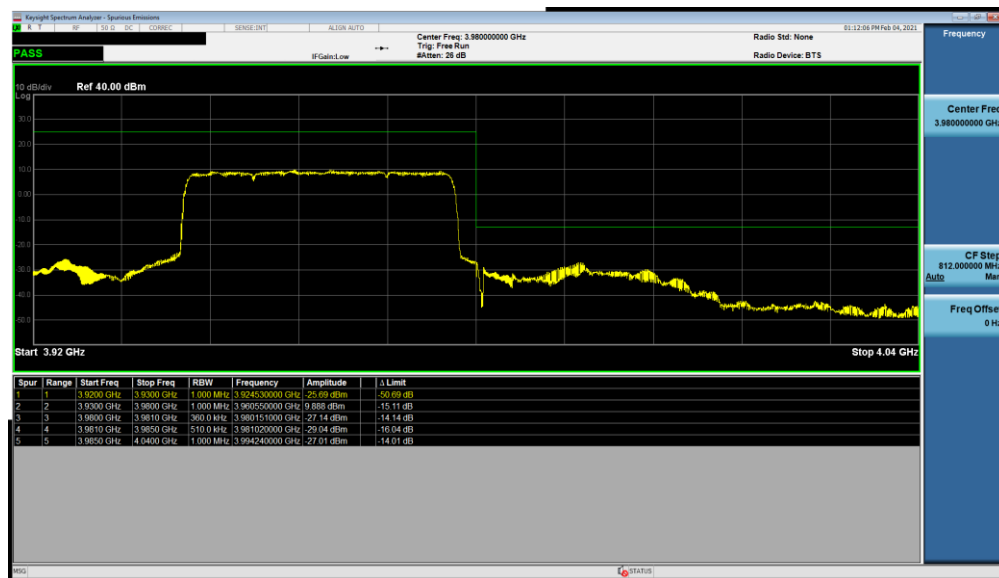
FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
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Plot 7-218. Lower ACP Plot (NR Band n77 - 40MHz DFT-s-OFDM $\Pi/2$ BPSK – Full RB Configuration)

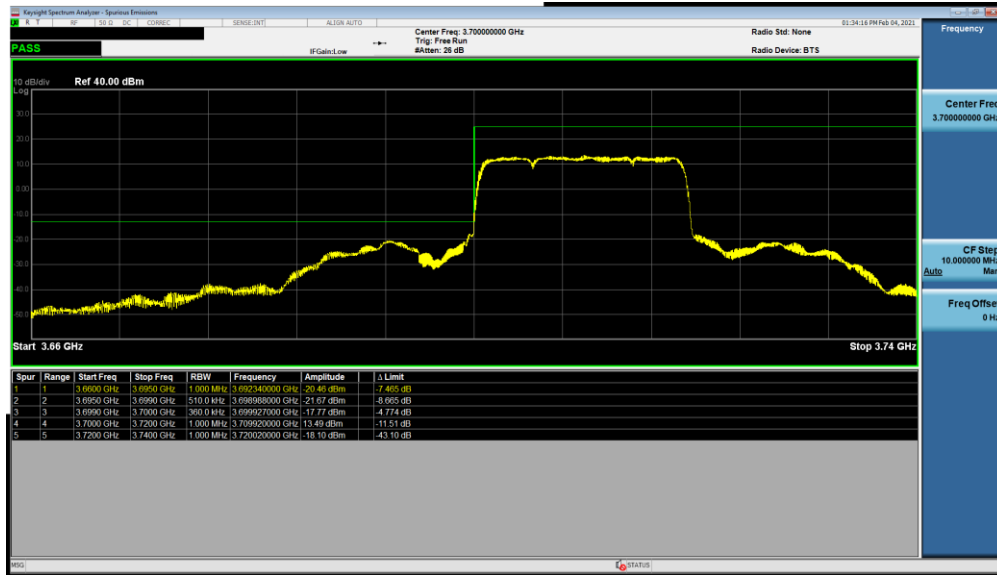


Plot 7-219. Upper ACP Plot (NR Band n77 - 40MHz DFT-s-OFDM $\Pi/2$ BPSK – Full RB Configuration)

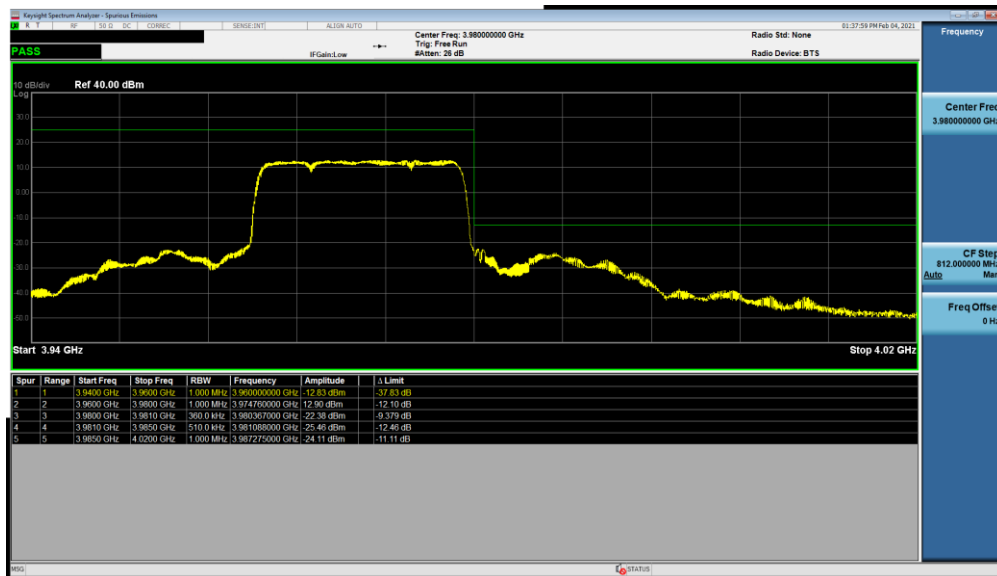
FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
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Plot 7-220. Lower ACP Plot (NR Band n77 - 20MHz DFT-s-OFDM $\Pi/2$ BPSK – Full RB Configuration)



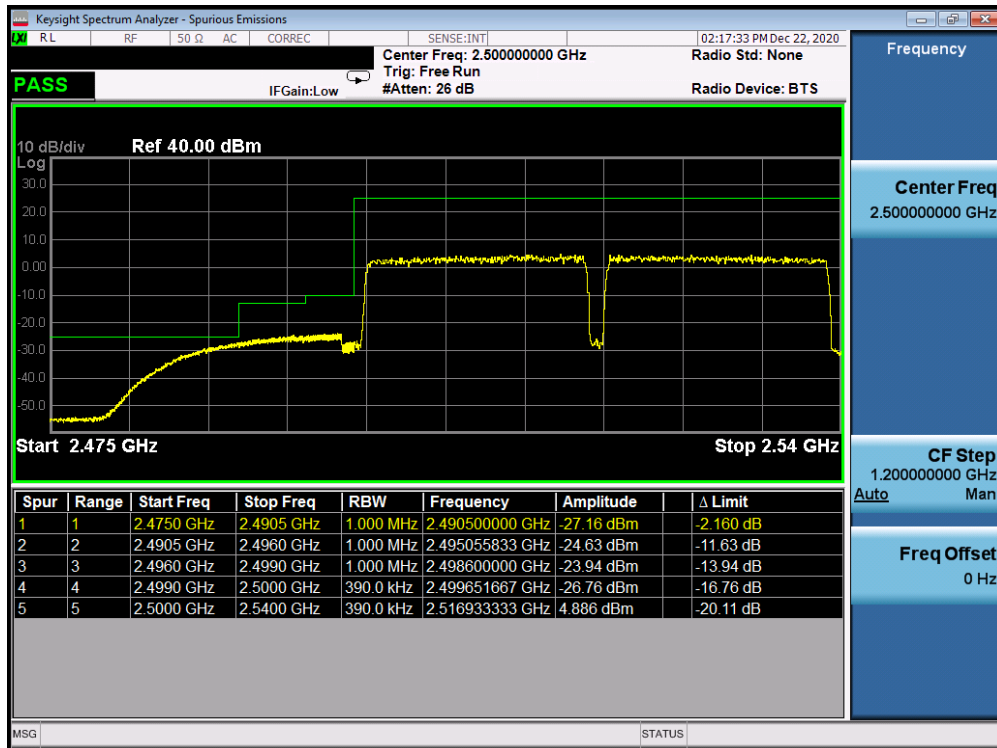
Plot 7-221. Upper ACP Plot (NR Band n77 - 20MHz DFT-s-OFDM $\Pi/2$ BPSK – Full RB Configuration)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
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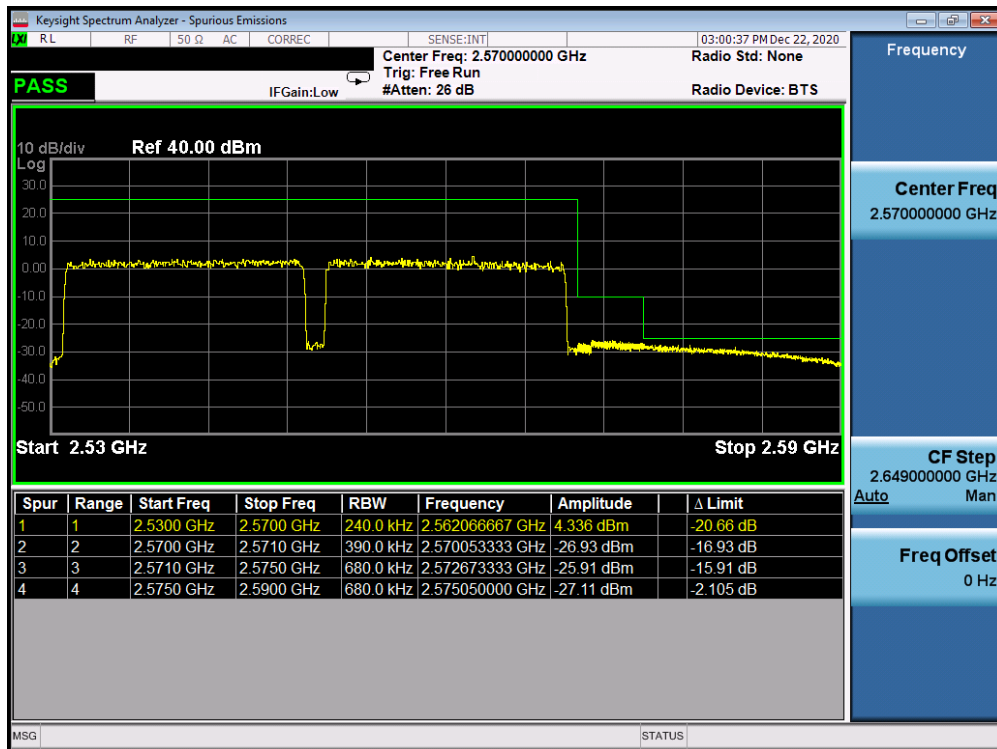
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ULCA - LTE Band 7



Plot 7-222. Lower ACP Plot (ULCA LTE Band 7 - (20 + 20)MHz QPSK – Full RB Configuration)



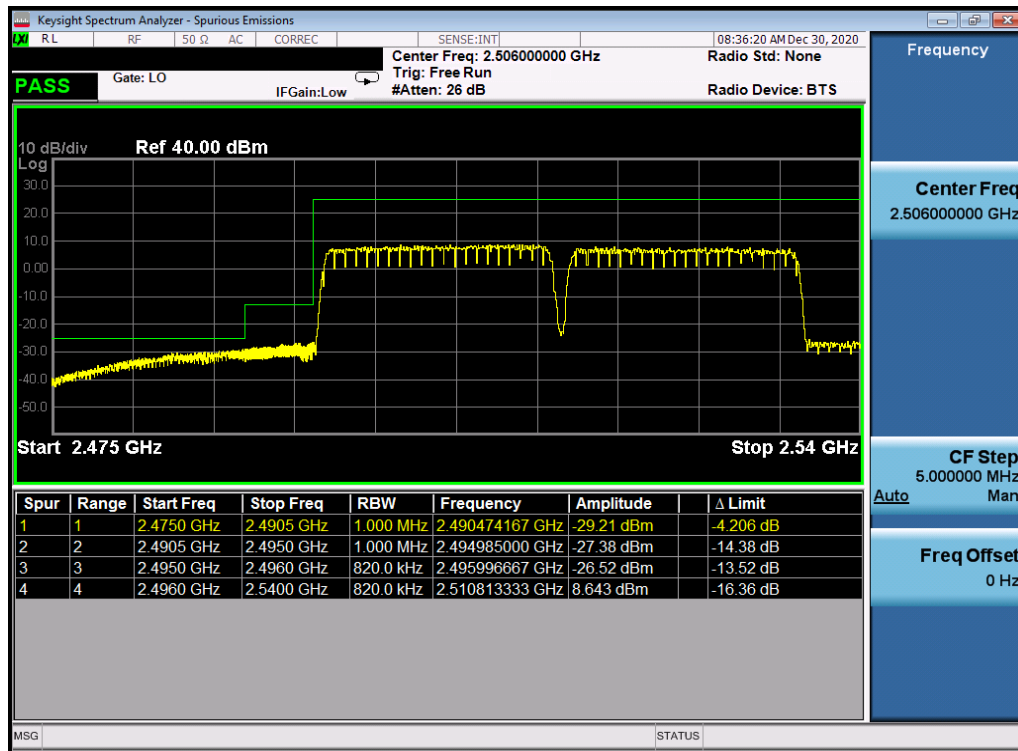
Plot 7-223. Upper ACP Plot (ULCA LTE Band 7 - (20 + 20)MHz QPSK – Full RB Configuration)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
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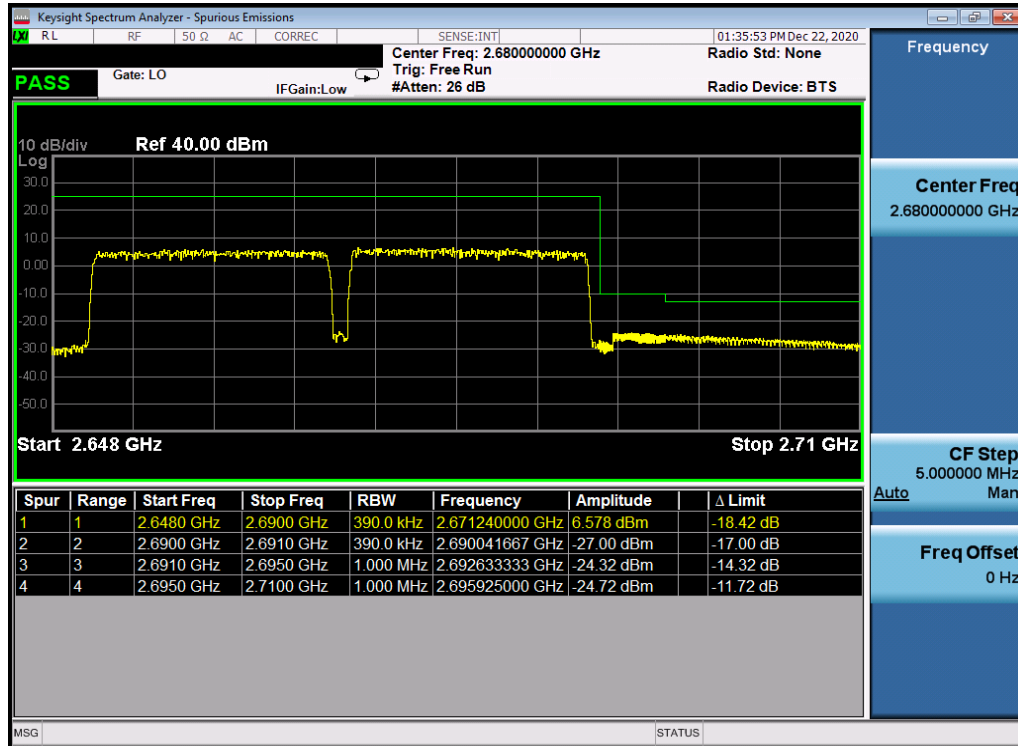
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ULCA - LTE Band 41



Plot 7-224. Lower ACP Plot (ULCA LTE Band 41 - (20 + 20)MHz QPSK – Full RB Configuration)



Plot 7-225. Upper ACP Plot (ULCA LTE Band 41 - (20 + 20)MHz QPSK – Full RB Configuration)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality 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

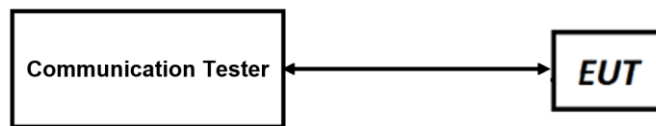


Figure 7-4. Conducted Power Measurement Setup

Test Notes

None.

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Test Case	NS	MCC	MNC	Channel BW [MHz]	Channel Number	Channel Frequency [MHz]	RB Size	RB Offset	A-MPR [dB]	Modulation	MPR [dB]	Measured Power [dBm]	Lowest Typical Power [dBm]	Delta [dB]
1	01	312	530	5	39675	2498.5	1	0	3	QPSK	0	25.11	23.7	1.41
16-QAM										1	24.46	22.7	1.76	
64-QAM										2	24.01	21.7	2.31	
256-QAM										4	20.72	19.7	1.02	
2				5	39675	2498.5	1	9	0	QPSK	0	27.53	26.7	0.83
16-QAM										1	26.91	25.7	1.21	
64-QAM										2	25.30	24.7	0.60	
256-QAM										4	23.72	22.7	1.02	
3				10	39700	2501	1	0	5	QPSK	0	23.17	21.7	1.47
16-QAM										1	22.36	20.7	1.66	
64-QAM										2	21.23	19.7	1.53	
256-QAM										4	18.44	17.7	0.74	
4				10	39700	2501	20	0	2	QPSK	0	25.08	24.7	0.38
16-QAM										1	24.15	23.7	0.45	
64-QAM										2	23.00	22.7	0.30	
256-QAM										4	21.22	20.7	0.52	
5				10	39700	2501	50	0	3	QPSK	0	24.24	23.7	0.54
16-QAM										1	23.22	22.7	0.52	
64-QAM										2	22.18	21.7	0.48	
256-QAM										4	20.29	19.7	0.59	
6				10	39700	2501	25	20	1	QPSK	0	26.20	25.7	0.50
16-QAM										1	25.10	24.7	0.40	
64-QAM										2	24.17	23.7	0.47	
256-QAM										4	23.19	21.7	1.49	
7				10	39700	2501	1	36	0	QPSK	0	27.70	26.7	1.00
16-QAM										1	27.33	25.7	1.63	
64-QAM										2	25.55	24.7	0.85	
256-QAM										4	23.50	22.7	0.80	
8				15	39725	2503.5	1	0	5	QPSK	0	23.09	21.7	1.39
16-QAM										1	22.51	20.7	1.81	
64-QAM										2	21.32	19.7	1.62	
256-QAM										4	18.72	17.7	1.02	
9				15	39725	2503.5	20	0	2	QPSK	0	25.04	24.7	0.34
16-QAM										1	24.03	23.7	0.33	
64-QAM										2	23.04	22.7	0.34	
256-QAM										4	21.29	20.7	0.59	
10				15	39725	2503.5	75	0	4	QPSK	0	23.15	22.7	0.45
16-QAM										1	22.16	21.7	0.46	
64-QAM										2	21.22	20.7	0.52	
256-QAM										4	19.28	18.7	0.58	
11				15	39725	2503.5	50	15	3	QPSK	0	24.15	23.7	0.45
16-QAM										1	23.20	22.7	0.50	
64-QAM										2	22.21	21.7	0.51	
256-QAM										4	20.33	19.7	0.63	
12				15	39725	2503.5	1	60	0	QPSK	0	27.70	26.7	1.00
16-QAM										1	27.41	25.7	1.71	
64-QAM										2	25.25	24.7	0.55	
256-QAM										4	23.81	22.7	1.11	
13				20	39750	2506	1	0	5	QPSK	0	23.10	21.7	1.40
16-QAM										1	22.33	20.7	1.63	
64-QAM										2	21.25	19.7	1.55	
256-QAM										4	18.55	17.7	0.85	
14				20	39750	2506	20	0	2	QPSK	0	25.04	24.7	0.34
16-QAM										1	24.05	23.7	0.35	
64-QAM										2	23.13	22.7	0.43	
256-QAM										4	21.20	20.7	0.50	
15				20	39750	2506	100	0	4	QPSK	0	23.16	22.7	0.46
16-QAM										1	22.15	21.7	0.45	
64-QAM										2	21.22	20.7	0.52	
256-QAM										4	19.26	18.7	0.56	
16				20	39750	2506	75	24	3	QPSK	0	24.13	23.7	0.43
16-QAM										1	23.21	22.7	0.51	
64-QAM										2	22.19	21.7	0.49	
256-QAM										4	20.25	19.7	0.55	
17				20	39750	2506	1	77	0	QPSK	0	28.00	26.7	1.30
16-QAM										1	27.22	25.7	1.52	
64-QAM										2	25.55	24.7	0.85	
256-QAM										4	23.58	22.7	0.88	
18	01	311	490	5	39675	2498.5	1	0	3	QPSK	0	25.11	23.7	1.41
										16-QAM	1	24.65	22.7	1.95
										64-QAM	2	23.76	21.7	2.06
										256-QAM	4	20.63	19.7	0.93
19	01	001	01	5	39675	2498.5	1	0	0	QPSK	0	27.58	26.7	0.88
										16-QAM	1	27.12	25.7	1.42
										64-QAM	2	25.41	24.7	0.71
										256-QAM	4	23.7	22.7	1.00

Table 7-2. A-MPR Conducted Power Measurements

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7.6 Radiated Power (EIRP) §27.50(a)(3), §27.50(h)(2)

Test Overview

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

Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.2.1

ANSI C63.26-2015 – Section 5.2.5.5

Test Settings

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

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

Where:

EIRP = effective or equivalent radiated power, respectively (expressed in the same units as PMeas, typically dBW or dBm)

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

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

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

Test Setup

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

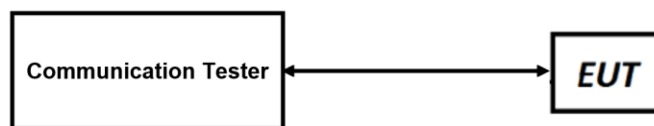


Figure 7-5. EIRP Measurement Setup

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Test Notes

1. The EUT was tested in all possible test configurations. The worst case emissions are reported with the EUT modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
2. This unit was tested with its standard battery.
3. The Level (dBm) readings in the table were taken with a correction table loaded into base station simulator for LTE and spectrum analyzer for NR FR1. 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. The highest powers were found while operating with QPSK modulation with both carriers set to transmit using 1RB.
7. For ULCA, compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater for frequencies less than 1 GHz and 1 MHz or greater for frequencies greater than 1 GHz.

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7.6.1 Antenna 3 – 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]
10 MHz	QPSK	2310.0	-2.60	1 / 25	23.54	20.94	0.124	23.98	-3.04
	16-QAM	2310.0	-2.60	1 / 49	23.69	21.09	0.129	23.98	-2.89
	64-QAM	2310.0	-2.60	50 / 0	23.47	20.87	0.122	23.98	-3.11
	256-QAM	2310.0	-2.60	1 / 49	22.73	20.13	0.103	23.98	-3.85
5 MHz	QPSK	2307.5	-2.60	1 / 12	23.16	20.56	0.114	23.98	-3.42
		2312.5	-2.60	1 / 12	23.14	20.54	0.113	23.98	-3.44
	16-QAM	2312.5	-2.60	1 / 24	23.63	21.03	0.127	23.98	-2.95
	64-QAM	2307.5	-2.60	1 / 24	23.46	20.86	0.122	23.98	-3.12
	256-QAM	2312.5	-2.60	1 / 24	22.52	19.92	0.098	23.98	-4.06

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

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]
20 MHz	QPSK	2510.0	-1.70	1 / 99	25.70	24.00	0.251	33.01	-9.01
		2535.0	-1.70	1 / 99	25.38	23.68	0.233	33.01	-9.33
		2560.0	-1.70	1 / 99	25.62	23.92	0.247	33.01	-9.09
	16-QAM	2560.0	-1.70	1 / 99	25.30	23.60	0.229	33.01	-9.41
	64-QAM	2560.0	-1.70	1 / 99	24.67	22.97	0.198	33.01	-10.04
	256-QAM	2560.0	-1.70	1 / 1	21.31	19.61	0.091	33.01	-13.40
15 MHz	QPSK	2507.5	-1.70	1 / 37	25.70	24.00	0.251	33.01	-9.01
		2535.0	-1.70	1 / 1	25.50	23.80	0.240	33.01	-9.21
		2562.5	-1.70	1 / 74	25.46	23.76	0.238	33.01	-9.25
	16-QAM	2535.0	-1.70	1 / 1	25.00	23.30	0.214	33.01	-9.71
	64-QAM	2535.0	-1.70	1 / 74	24.42	22.72	0.187	33.01	-10.29
	256-QAM	2562.5	-1.70	1 / 1	21.69	19.99	0.100	33.01	-13.02
10 MHz	QPSK	2505.0	-1.70	1 / 25	25.66	23.96	0.249	33.01	-9.05
		2535.0	-1.70	1 / 25	25.69	23.99	0.251	33.01	-9.02
		2565.0	-1.70	1 / 25	25.70	24.00	0.251	33.01	-9.01
	16-QAM	2535.0	-1.70	1 / 1	25.20	23.50	0.224	33.01	-9.51
	64-QAM	2535.0	-1.70	1 / 49	24.64	22.94	0.197	33.01	-10.07
	256-QAM	2565.0	-1.70	1 / 49	21.72	20.02	0.100	33.01	-12.99
5 MHz	QPSK	2502.5	-1.70	1 / 12	25.66	23.96	0.249	33.01	-9.05
		2535.0	-1.70	1 / 24	25.70	24.00	0.251	33.01	-9.01
		2567.5	-1.70	1 / 24	25.47	23.77	0.238	33.01	-9.24
	16-QAM	2535.0	-1.70	1 / 1	25.30	23.60	0.229	33.01	-9.41
	64-QAM	2535.0	-1.70	1 / 1	24.71	23.01	0.200	33.01	-10.00
	256-QAM	2535.0	-1.70	1 / 12	21.33	19.63	0.092	33.01	-13.38

Table 7-4. 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]
20 MHz	QPSK	2506.0	0.90	1 / 99	27.39	28.29	0.675	33.01	-4.72
		2593.0	0.90	1 / 50	27.39	28.29	0.675	33.01	-4.72
		2680.0	0.90	1 / 99	27.46	28.36	0.685	33.01	-4.65
	16-QAM	2593.0	0.90	1 / 99	26.99	27.89	0.615	33.01	-5.12
	64-QAM	2680.0	0.90	1 / 50	25.89	26.79	0.478	33.01	-6.22
	256-QAM	2506.0	0.90	1 / 99	23.09	23.99	0.251	33.01	-9.02
15 MHz	QPSK	2503.5	0.90	1 / 74	27.56	28.46	0.701	33.01	-4.55
		2593.0	0.90	1 / 74	27.55	28.45	0.700	33.01	-4.56
		2682.5	0.90	1 / 74	27.35	28.25	0.668	33.01	-4.76
	16-QAM	2682.5	0.90	1 / 74	26.88	27.78	0.600	33.01	-5.23
	64-QAM	2593.0	0.90	1 / 74	26.13	27.03	0.505	33.01	-5.98
	256-QAM	2503.5	0.90	1 / 74	23.34	24.24	0.265	33.01	-8.77
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	27.51	28.41	0.693	33.01	-4.60
		2685.0	0.90	1 / 25	27.43	28.33	0.681	33.01	-4.68
	16-QAM	2501.0	0.90	1 / 49	26.79	27.69	0.587	33.01	-5.32
	64-QAM	2685.0	0.90	1 / 25	26.01	26.91	0.491	33.01	-6.10
	256-QAM	2501.0	0.90	1 / 1	22.89	23.79	0.239	33.01	-9.22
5 MHz	QPSK	2498.5	0.90	1 / 12	27.26	28.16	0.655	33.01	-4.85
		2593.0	0.90	1 / 12	27.33	28.23	0.665	33.01	-4.78
		2687.5	0.90	1 / 12	27.28	28.18	0.658	33.01	-4.83
	16-QAM	2498.5	0.90	1 / 24	26.84	27.74	0.594	33.01	-5.27
	64-QAM	2593.0	0.90	1 / 24	26.28	27.18	0.522	33.01	-5.83
	256-QAM	2498.5	0.90	1 / 1	23.22	24.12	0.258	33.01	-8.89

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

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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]
20 MHz	QPSK	2506.0	0.90	1 / 1	25.70	26.60	0.457	33.01	-6.41
		2593.0	0.90	1 / 50	25.69	26.59	0.456	33.01	-6.42
		2680.0	0.90	1 / 99	25.44	26.34	0.431	33.01	-6.67
	16-QAM	2680.0	0.90	1 / 50	24.87	25.77	0.378	33.01	-7.24
	64-QAM	2506.0	0.90	1 / 50	23.80	24.70	0.295	33.01	-8.31
	256-QAM	2506.0	0.90	100 / 0	20.37	21.27	0.134	33.01	-11.74
15 MHz	QPSK	2503.5	0.90	1 / 1	25.59	26.49	0.446	33.01	-6.52
		2593.0	0.90	1 / 74	25.55	26.45	0.442	33.01	-6.56
		2682.5	0.90	1 / 74	25.64	26.54	0.451	33.01	-6.47
	16-QAM	2503.5	0.90	1 / 1	24.44	25.34	0.342	33.01	-7.67
	64-QAM	2682.5	0.90	1 / 1	23.83	24.73	0.297	33.01	-8.28
	256-QAM	2503.5	0.90	75 / 0	20.32	21.22	0.132	33.01	-11.79
10 MHz	QPSK	2501.0	0.90	1 / 25	25.70	26.60	0.457	33.01	-6.41
		2593.0	0.90	1 / 25	25.66	26.56	0.453	33.01	-6.45
		2685.0	0.90	1 / 1	25.56	26.46	0.443	33.01	-6.55
	16-QAM	2501.0	0.90	1 / 25	24.56	25.46	0.352	33.01	-7.55
	64-QAM	2685.0	0.90	1 / 49	23.82	24.72	0.296	33.01	-8.29
	256-QAM	2501.0	0.90	50 / 0	20.40	21.30	0.135	33.01	-11.71
5 MHz	QPSK	2498.5	0.90	1 / 12	25.70	26.60	0.457	33.01	-6.41
		2593.0	0.90	1 / 12	25.67	26.57	0.454	33.01	-6.44
		2687.5	0.90	1 / 1	25.56	26.46	0.443	33.01	-6.55
	16-QAM	2498.5	0.90	1 / 12	24.52	25.42	0.348	33.01	-7.59
	64-QAM	2687.5	0.90	1 / 24	24.04	24.94	0.312	33.01	-8.07
	256-QAM	2498.5	0.90	25 / 0	20.29	21.19	0.132	33.01	-11.82

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

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ULCA LTE Band 7

Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCATx 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	25.60	-1.70	23.90	0.245	33.01	-9.11		
				21100	2535.0	1	99		21288	2554.8	1	0	25.61	-1.70	23.91	0.246	33.01	-9.10		
				21350	2560.0	1	0		21152	2540.2	1	99	25.70	-1.70	24.00	0.251	33.01	-9.01		
			QPSK	20850	2510	100	0	QPSK	21048	2529.8	100	0	24.46	-1.70	22.76	0.189	33.01	-10.25		
				16-QAM	20850	2510	100		0	16-QAM	21048	2529.8	100	0	23.43	-1.70	21.73	0.149	33.01	-11.28
				64-QAM	20850	2510	100		0	64-QAM	21048	2529.8	100	0	23.28	-1.70	21.58	0.144	33.01	-11.43
256-QAM	20850	2510	100	0	256-QAM	21048	2529.8	100	0	20.23	-1.70	18.53	0.071	33.01	-14.48					

Table 7-226. Conducted Power Data (ULCA LTE Band 7)

ULCA LTE Band 41(PC2)

Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCATx 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	27.40	0.90	28.30	0.676	33.01	-4.71		
				40620	2593.0	1	99		40818	2612.8	1	0	27.99	0.90	28.89	0.774	33.01	-4.12		
				41490	2680.0	1	0		41292	2660.2	1	99	28.00	0.90	28.90	0.776	33.01	-4.11		
			QPSK	41490	2680	100	0	QPSK	41292	2660.2	100	0	26.36	0.90	27.26	0.532	33.01	-5.75		
				16-QAM	41490	2680	100		0	16-QAM	41292	2660.2	100	0	25.74	0.90	26.64	0.461	33.01	-6.37
				64-QAM	41490	2680	100		0	64-QAM	41292	2660.2	100	0	25.69	0.90	26.59	0.456	33.01	-6.42
			256-QAM	41490	2680	100	0	256-QAM	41292	2660.2	100	0	22.79	0.90	23.69	0.234	33.01	-9.32		

Table 7-227. Conducted Power Data (ULCA LTE Band 41(PC2))

ULCA LTE Band 41(PC3)

Power State	Band	Bandwidth (PCC + SCC)	PCC				SCC					ULCATx 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	25.70	0.90	26.60	0.457	33.01	-6.41
				40620	2593.0	1	99		40818	2612.8	1	0	25.70	0.90	26.60	0.457	33.01	-6.41
				41490	2680.0	1	0		41292	2660.2	1	99	25.60	0.90	26.50	0.447	33.01	-6.51
			QPSK	39750	2506	100	0	QPSK	39948	2525.8	100	0	24.25	0.90	25.15	0.327	33.01	-7.86
			16-QAM	39750	2506	100	0	16-QAM	39948	2525.8	100	0	23.26	0.90	24.16	0.261	33.01	-8.85
			64-QAM	39750	2506	100	0	64-QAM	39948	2525.8	100	0	23.22	0.90	24.12	0.258	33.01	-8.89
			256-QAM	39750	2506	100	0	256-QAM	39948	2525.8	100	0	20.32	0.90	21.22	0.132	33.01	-11.79

Table 7-228. Conducted Power Data (ULCA LTE Band 41(PC3))

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 145 of 224

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]
100 MHz	π/2 BPSK	2546.0	1.30	1 / 258	23.69	24.99	0.315	33.01	-8.02
		2593.0	1.30	1 / 258	23.94	25.24	0.334	33.01	-7.77
		2640.0	1.30	1 / 135	23.83	25.13	0.326	33.01	-7.88
	QPSK	2546.0	1.30	1 / 258	23.71	25.01	0.317	33.01	-8.00
		2593.0	1.30	1 / 135	24.00	25.30	0.339	33.01	-7.71
		2640.0	1.30	1 / 135	23.94	25.24	0.334	33.01	-7.77
	16-QAM	2640.0	1.30	1 / 135	23.15	24.45	0.279	33.01	-8.56
	64-QAM	2640.0	1.30	1 / 1	21.99	23.29	0.213	33.01	-9.72
90 MHz	π/2 BPSK	2593.0	1.30	270 / 0	19.75	21.05	0.127	33.01	-11.96
		2541.0	1.30	1 / 120	23.73	25.03	0.318	33.01	-7.98
		2593.0	1.30	1 / 120	24.00	25.30	0.339	33.01	-7.71
	QPSK	2645.0	1.30	1 / 1	23.87	25.17	0.329	33.01	-7.84
		2541.0	1.30	1 / 120	23.80	25.10	0.324	33.01	-7.91
		2593.0	1.30	1 / 120	23.87	25.17	0.329	33.01	-7.84
	16-QAM	2645.0	1.30	1 / 120	23.61	24.91	0.310	33.01	-8.10
	64-QAM	2645.0	1.30	1 / 120	22.88	24.18	0.262	33.01	-8.83
80 MHz	π/2 BPSK	2645.0	1.30	1 / 1	21.97	23.27	0.212	33.01	-9.74
		2593.0	1.30	240 / 0	19.70	21.00	0.126	33.01	-12.01
		2536.0	1.30	1 / 214	23.93	25.23	0.333	33.01	-7.78
	QPSK	2593.0	1.30	1 / 108	23.93	25.23	0.333	33.01	-7.78
		2650.0	1.30	1 / 1	23.88	25.18	0.329	33.01	-7.83
		2536.0	1.30	1 / 108	23.75	25.05	0.320	33.01	-7.96
	16-QAM	2593.0	1.30	1 / 214	23.96	25.26	0.336	33.01	-7.75
	64-QAM	2650.0	1.30	1 / 108	24.00	25.30	0.339	33.01	-7.71
60 MHz	π/2 BPSK	2536.0	1.30	1 / 214	23.22	24.52	0.283	33.01	-8.49
		2593.0	1.30	1 / 108	21.93	23.23	0.210	33.01	-9.78
		2593.0	1.30	216 / 0	19.77	21.07	0.128	33.01	-11.94
	QPSK	2526.0	1.30	1 / 162	23.94	25.24	0.334	33.01	-7.77
		2593.0	1.30	1 / 81	23.70	25.00	0.316	33.01	-8.01
		2660.0	1.30	1 / 1	23.80	25.10	0.324	33.01	-7.91
	16-QAM	2526.0	1.30	1 / 162	24.00	25.30	0.339	33.01	-7.71
	64-QAM	2593.0	1.30	1 / 1	23.99	25.29	0.338	33.01	-7.72
50 MHz	π/2 BPSK	2660.0	1.30	1 / 1	23.82	25.12	0.325	33.01	-7.89
		2526.0	1.30	1 / 162	23.13	24.43	0.278	33.01	-8.58
		2526.0	1.30	1 / 81	21.63	22.93	0.196	33.01	-10.08
	QPSK	2526.0	1.30	1 / 162	19.57	20.87	0.122	33.01	-12.14
		2521.0	1.30	1 / 126	23.95	25.25	0.335	33.01	-7.76
		2593.0	1.30	1 / 1	23.92	25.22	0.333	33.01	-7.79
	16-QAM	2665.0	1.30	1 / 1	23.90	25.20	0.331	33.01	-7.81
	64-QAM	2521.0	1.30	1 / 64	23.91	25.21	0.332	33.01	-7.80
40 MHz	π/2 BPSK	2593.0	1.30	1 / 126	24.00	25.30	0.339	33.01	-7.71
		2665.0	1.30	1 / 1	24.00	25.30	0.339	33.01	-7.71
		2521.0	1.30	1 / 126	23.10	24.40	0.276	33.01	-8.61
	QPSK	2593.0	1.30	1 / 1	21.99	23.29	0.214	33.01	-9.72
		2593.0	1.30	128 / 0	19.58	20.88	0.122	33.01	-12.13
		2516.0	1.30	1 / 98	23.99	25.29	0.338	33.01	-7.72
	16-QAM	2593.0	1.30	1 / 50	23.93	25.23	0.334	33.01	-7.78
	64-QAM	2670.0	1.30	1 / 1	23.98	25.28	0.337	33.01	-7.73
20 MHz	π/2 BPSK	2516.0	1.30	1 / 98	23.55	24.85	0.306	33.01	-8.16
		2593.0	1.30	1 / 98	24.00	25.30	0.339	33.01	-7.71
		2670.0	1.30	1 / 50	23.92	25.22	0.333	33.01	-7.79
	QPSK	2593.0	1.30	1 / 1	22.86	24.16	0.261	33.01	-8.85
		2516.0	1.30	1 / 98	22.03	23.33	0.215	33.01	-9.68
		2593.0	1.30	100 / 0	19.57	20.87	0.122	33.01	-12.14
	16-QAM	2506.0	1.30	1 / 25	23.45	24.75	0.298	33.01	-8.26
	64-QAM	2593.0	1.30	1 / 1	23.70	25.00	0.316	33.01	-8.01
20 MHz	π/2 BPSK	2680.0	1.30	1 / 25	23.56	24.86	0.306	33.01	-8.15
		2506.0	1.30	1 / 48	23.66	24.96	0.313	33.01	-8.05
		2593.0	1.30	1 / 48	23.49	24.79	0.301	33.01	-8.22
	QPSK	2680.0	1.30	1 / 1	23.62	24.92	0.311	33.01	-8.09
		2506.0	1.30	1 / 48	22.96	24.26	0.266	33.01	-8.75
		2680.0	1.30	1 / 25	21.71	23.01	0.200	33.01	-10.00
	16-QAM	2593.0	1.30	50 / 0	19.62	20.92	0.124	33.01	-12.09

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

FCC ID: BCGA2379	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 146 of 224

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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]
100 MHz	π/2 BPSK	2546.0	1.30	1 / 135	22.19	23.49	0.224	33.01	-9.52
		2593.0	1.30	1 / 135	22.66	23.96	0.249	33.01	-9.05
		2640.0	1.30	1 / 135	22.64	23.94	0.248	33.01	-9.07
	QPSK	2546.0	1.30	1 / 258	22.53	23.83	0.242	33.01	-9.18
		2593.0	1.30	1 / 258	22.46	23.76	0.238	33.01	-9.25
		2640.0	1.30	1 / 1	22.70	24.00	0.251	33.01	-9.01
	16-QAM	2546.0	1.30	1 / 258	21.60	22.90	0.195	33.01	-10.11
	64-QAM	2640.0	1.30	1 / 1	20.44	21.74	0.149	33.01	-11.27
256-QAM	2546.0	1.30	270 / 0	18.26	19.56	0.090	33.01	-13.45	
90 MHz	π/2 BPSK	2541.0	1.30	1 / 120	22.48	23.78	0.239	33.01	-9.23
		2593.0	1.30	1 / 120	22.15	23.45	0.222	33.01	-9.56
		2645.0	1.30	1 / 120	22.63	23.93	0.247	33.01	-9.08
	QPSK	2541.0	1.30	1 / 238	22.70	24.00	0.251	33.01	-9.01
		2593.0	1.30	1 / 120	22.39	23.69	0.234	33.01	-9.32
		2645.0	1.30	1 / 120	22.59	23.89	0.245	33.01	-9.12
	16-QAM	2645.0	1.30	1 / 120	21.74	23.04	0.201	33.01	-9.97
	64-QAM	2541.0	1.30	1 / 120	21.03	22.33	0.171	33.01	-10.68
256-QAM	2541.0	1.30	1 / 120	18.42	19.72	0.094	33.01	-13.29	
80 MHz	π/2 BPSK	2536.0	1.30	1 / 214	22.64	23.94	0.248	33.01	-9.07
		2593.0	1.30	1 / 214	22.65	23.95	0.248	33.01	-9.06
		2650.0	1.30	1 / 214	22.67	23.97	0.250	33.01	-9.04
	QPSK	2536.0	1.30	1 / 214	22.64	23.94	0.248	33.01	-9.07
		2593.0	1.30	1 / 108	22.70	24.00	0.251	33.01	-9.01
		2650.0	1.30	1 / 108	22.64	23.94	0.248	33.01	-9.07
	16-QAM	2650.0	1.30	1 / 214	21.84	23.14	0.206	33.01	-9.87
	64-QAM	2536.0	1.30	1 / 108	20.37	21.67	0.147	33.01	-11.34
256-QAM	2536.0	1.30	216 / 0	18.27	19.57	0.091	33.01	-13.44	
60 MHz	π/2 BPSK	2526.0	1.30	1 / 81	22.34	23.64	0.231	33.01	-9.37
		2593.0	1.30	1 / 81	22.68	23.98	0.250	33.01	-9.03
		2660.0	1.30	1 / 81	22.55	23.85	0.243	33.01	-9.16
	QPSK	2526.0	1.30	1 / 81	22.69	23.99	0.251	33.01	-9.02
		2593.0	1.30	1 / 81	22.70	24.00	0.251	33.01	-9.01
		2660.0	1.30	1 / 162	22.39	23.69	0.234	33.01	-9.32
	16-QAM	2526.0	1.30	1 / 162	21.57	22.87	0.193	33.01	-10.14
	64-QAM	2660.0	1.30	1 / 162	20.34	21.64	0.146	33.01	-11.37
256-QAM	2526.0	1.30	162 / 0	18.21	19.51	0.089	33.01	-13.50	
50 MHz	π/2 BPSK	2521.0	1.30	1 / 126	22.45	23.75	0.237	33.01	-9.26
		2593.0	1.30	1 / 1	22.70	24.00	0.251	33.01	-9.01
		2665.0	1.30	1 / 1	22.48	23.78	0.239	33.01	-9.23
	QPSK	2521.0	1.30	1 / 126	22.49	23.79	0.239	33.01	-9.22
		2593.0	1.30	1 / 1	22.53	23.83	0.241	33.01	-9.18
		2665.0	1.30	1 / 126	22.47	23.77	0.238	33.01	-9.24
	16-QAM	2521.0	1.30	1 / 126	21.28	22.58	0.181	33.01	-10.43
	64-QAM	2521.0	1.30	1 / 126	20.45	21.75	0.150	33.01	-11.26
256-QAM	2521.0	1.30	128 / 0	18.26	19.56	0.090	33.01	-13.45	
40 MHz	π/2 BPSK	2516.0	1.30	1 / 50	22.50	23.80	0.240	33.01	-9.21
		2593.0	1.30	1 / 98	22.65	23.95	0.248	33.01	-9.06
		2670.0	1.30	1 / 1	22.47	23.77	0.238	33.01	-9.24
	QPSK	2516.0	1.30	1 / 50	22.51	23.81	0.240	33.01	-9.20
		2593.0	1.30	1 / 1	22.70	24.00	0.251	33.01	-9.01
		2670.0	1.30	1 / 50	22.51	23.81	0.240	33.01	-9.20
	16-QAM	2593.0	1.30	1 / 1	21.76	23.06	0.202	33.01	-9.95
	64-QAM	2593.0	1.30	1 / 1	20.57	21.87	0.154	33.01	-11.14
256-QAM	2516.0	1.30	100 / 0	18.18	19.48	0.089	33.01	-13.53	
20 MHz	π/2 BPSK	2506.0	1.30	1 / 25	21.90	23.20	0.209	33.01	-9.81
		2593.0	1.30	1 / 25	22.08	23.38	0.218	33.01	-9.63
		2680.0	1.30	1 / 48	21.92	23.22	0.210	33.01	-9.79
	QPSK	2506.0	1.30	1 / 25	21.83	23.13	0.206	33.01	-9.88
		2593.0	1.30	1 / 48	21.79	23.09	0.204	33.01	-9.92
		2680.0	1.30	1 / 1	21.88	23.18	0.208	33.01	-9.83
	16-QAM	2506.0	1.30	1 / 25	21.28	22.58	0.181	33.01	-10.43
	64-QAM	2506.0	1.30	1 / 48	20.59	21.89	0.155	33.01	-11.12
256-QAM	2506.0	1.30	50 / 0	18.24	19.54	0.090	33.01	-13.47	

Table 7-8. EIRP Data (NR Band n41(PC3))

FCC ID: BCGA2379	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device		Page 147 of 224

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NR Band n77(PC2)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	$\pi/2$ BPSK	3750.0	-1.30	1 / 258	26.50	25.20	0.331	33.01	-7.81
		3840.0	-1.30	1 / 135	26.47	25.17	0.329	33.01	-7.84
		3930.0	-1.30	1 / 258	25.93	24.63	0.290	33.01	-8.38
	QPSK	3750.0	-1.30	1 / 135	26.24	24.94	0.312	33.01	-8.07
		3840.0	-1.30	1 / 135	26.62	25.32	0.341	33.01	-7.69
		3930.0	-1.30	1 / 258	26.13	24.83	0.304	33.01	-8.18
	16-QAM	3750.0	-1.30	1 / 258	25.62	24.32	0.270	33.01	-8.69
	64-QAM	3750.0	-1.30	1 / 258	24.80	23.50	0.224	33.01	-9.51
	256-QAM	3840.0	-1.30	1 / 135	23.07	21.77	0.150	33.01	-11.24
90 MHz	$\pi/2$ BPSK	3745.0	-1.30	1 / 1	26.02	24.72	0.296	33.01	-8.29
		3840.0	-1.30	1 / 120	26.35	25.05	0.320	33.01	-7.96
		3935.0	-1.30	1 / 120	26.41	25.11	0.325	33.01	-7.90
	QPSK	3745.0	-1.30	1 / 238	26.38	25.08	0.322	33.01	-7.93
		3840.0	-1.30	1 / 120	26.61	25.31	0.340	33.01	-7.70
		3935.0	-1.30	1 / 238	26.34	25.04	0.319	33.01	-7.97
	16-QAM	3840.0	-1.30	1 / 1	25.79	24.49	0.281	33.01	-8.52
	64-QAM	3840.0	-1.30	1 / 120	24.95	23.65	0.232	33.01	-9.36
	256-QAM	3745.0	-1.30	1 / 120	22.93	21.63	0.146	33.01	-11.38
80 MHz	$\pi/2$ BPSK	3740.0	-1.30	1 / 108	26.16	24.86	0.306	33.01	-8.15
		3840.0	-1.30	1 / 108	26.47	25.17	0.329	33.01	-7.84
		3940.0	-1.30	1 / 1	26.06	24.76	0.299	33.01	-8.25
	QPSK	3740.0	-1.30	1 / 214	26.21	24.91	0.310	33.01	-8.10
		3840.0	-1.30	1 / 108	26.51	25.21	0.332	33.01	-7.80
		3940.0	-1.30	1 / 1	26.28	24.98	0.315	33.01	-8.03
	16-QAM	3840.0	-1.30	1 / 214	25.42	24.12	0.258	33.01	-8.89
	64-QAM	3840.0	-1.30	1 / 108	24.59	23.29	0.214	33.01	-9.72
	256-QAM	3840.0	-1.30	1 / 214	22.87	21.57	0.143	33.01	-11.44
60 MHz	$\pi/2$ BPSK	3730.0	-1.30	1 / 1	26.27	24.97	0.314	33.01	-8.04
		3840.0	-1.30	1 / 81	26.58	25.28	0.337	33.01	-7.73
		3950.0	-1.30	1 / 1	26.07	24.77	0.300	33.01	-8.24
	QPSK	3730.0	-1.30	1 / 162	26.15	24.85	0.306	33.01	-8.16
		3840.0	-1.30	1 / 1	26.22	24.92	0.310	33.01	-8.09
		3950.0	-1.30	1 / 81	25.75	24.45	0.279	33.01	-8.56
	16-QAM	3840.0	-1.30	1 / 1	25.65	24.35	0.273	33.01	-8.66
	64-QAM	3730.0	-1.30	1 / 162	24.97	23.67	0.233	33.01	-9.34
	256-QAM	3840.0	-1.30	1 / 81	22.88	21.58	0.144	33.01	-11.43
50 MHz	$\pi/2$ BPSK	3725.0	-1.30	1 / 126	26.02	24.72	0.297	33.01	-8.29
		3840.0	-1.30	1 / 126	26.34	25.04	0.319	33.01	-7.97
		3955.0	-1.30	1 / 126	26.33	25.03	0.319	33.01	-7.98
	QPSK	3725.0	-1.30	1 / 126	26.17	24.87	0.307	33.01	-8.14
		3840.0	-1.30	1 / 126	26.42	25.12	0.325	33.01	-7.89
		3955.0	-1.30	1 / 126	26.12	24.82	0.303	33.01	-8.19
	16-QAM	3840.0	-1.30	1 / 1	25.75	24.45	0.278	33.01	-8.56
	64-QAM	3840.0	-1.30	1 / 1	24.83	23.53	0.225	33.01	-9.48
	256-QAM	3840.0	-1.30	1 / 64	23.07	21.77	0.150	33.01	-11.24
40 MHz	$\pi/2$ BPSK	3720.0	-1.30	1 / 98	26.29	24.99	0.316	33.01	-8.02
		3840.0	-1.30	1 / 50	26.37	25.07	0.321	33.01	-7.94
		3960.0	-1.30	1 / 98	26.29	24.99	0.315	33.01	-8.02
	QPSK	3720.0	-1.30	1 / 50	26.18	24.88	0.307	33.01	-8.13
		3840.0	-1.30	1 / 1	26.56	25.26	0.336	33.01	-7.75
		3960.0	-1.30	1 / 98	25.92	24.62	0.290	33.01	-8.39
	16-QAM	3840.0	-1.30	1 / 1	25.61	24.31	0.269	33.01	-8.71
	64-QAM	3840.0	-1.30	1 / 98	24.66	23.36	0.217	33.01	-9.65
	256-QAM	3840.0	-1.30	1 / 1	23.09	21.79	0.151	33.01	-11.22
20 MHz	$\pi/2$ BPSK	3710.0	-1.30	1 / 48	26.13	24.83	0.304	33.01	-8.18
		3840.0	-1.30	1 / 48	26.53	25.23	0.333	33.01	-7.78
		3970.0	-1.30	1 / 1	26.46	25.16	0.328	33.01	-7.85
	QPSK	3710.0	-1.30	50 / 0	26.10	24.80	0.302	33.01	-8.22
		3840.0	-1.30	1 / 25	26.56	25.26	0.335	33.01	-7.75
		3970.0	-1.30	1 / 48	26.19	24.89	0.309	33.01	-8.12
	16-QAM	3840.0	-1.30	1 / 25	25.96	24.66	0.292	33.01	-8.36
	64-QAM	3840.0	-1.30	1 / 48	24.90	23.60	0.229	33.01	-9.41
	256-QAM	3840.0	-1.30	1 / 25	22.98	21.68	0.147	33.01	-11.33

Table 7-9. EIRP Data (NR Band n77(PC2))

FCC ID: BCGA2379	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 148 of 224

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NR Band n77(PC3)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	π/2 BPSK	2546.0	-1.30	1 / 258	25.58	24.28	0.268	33.01	-8.73
		2593.0	-1.30	1 / 258	25.67	24.37	0.273	33.01	-8.64
		2640.0	-1.30	1 / 258	25.33	24.03	0.253	33.01	-8.98
	QPSK	2546.0	-1.30	1 / 135	25.64	24.34	0.272	33.01	-8.67
		2593.0	-1.30	1 / 135	25.70	24.40	0.275	33.01	-8.61
		2640.0	-1.30	1 / 258	25.53	24.23	0.265	33.01	-8.78
	16-QAM	2546.0	-1.30	1 / 258	24.77	23.47	0.222	33.01	-9.54
	64-QAM	2546.0	-1.30	1 / 258	24.20	22.90	0.195	33.01	-10.11
90 MHz	π/2 BPSK	2593.0	-1.30	1 / 135	22.47	21.17	0.131	33.01	-11.84
		2541.0	-1.30	1 / 1	25.42	24.12	0.258	33.01	-8.89
		2593.0	-1.30	1 / 238	25.53	24.23	0.265	33.01	-8.78
	QPSK	2645.0	-1.30	1 / 238	25.56	24.26	0.267	33.01	-8.75
		2541.0	-1.30	1 / 120	25.57	24.27	0.267	33.01	-8.74
		2593.0	-1.30	1 / 120	25.58	24.28	0.268	33.01	-8.73
	16-QAM	2645.0	-1.30	1 / 120	25.55	24.25	0.266	33.01	-8.76
		2593.0	-1.30	1 / 1	24.83	23.53	0.225	33.01	-9.48
80 MHz	QPSK	2593.0	-1.30	1 / 120	24.35	23.05	0.202	33.01	-9.96
		2541.0	-1.30	1 / 120	22.33	21.03	0.127	33.01	-11.98
		2536.0	-1.30	1 / 108	25.56	24.26	0.267	33.01	-8.75
	π/2 BPSK	2593.0	-1.30	1 / 108	25.66	24.36	0.273	33.01	-8.65
		2650.0	-1.30	1 / 1	25.46	24.16	0.260	33.01	-8.85
		2536.0	-1.30	1 / 214	25.61	24.31	0.270	33.01	-8.70
	QPSK	2593.0	-1.30	1 / 108	25.70	24.40	0.275	33.01	-8.61
		2650.0	-1.30	1 / 1	25.68	24.38	0.274	33.01	-8.63
60 MHz	16-QAM	2593.0	-1.30	1 / 108	24.81	23.51	0.224	33.01	-9.50
		2593.0	-1.30	1 / 108	23.99	22.69	0.186	33.01	-10.32
		2593.0	-1.30	1 / 214	22.27	20.97	0.125	33.01	-12.04
	QPSK	2526.0	-1.30	1 / 1	25.67	24.37	0.274	33.01	-8.64
		2593.0	-1.30	1 / 81	25.68	24.38	0.274	33.01	-8.63
		2660.0	-1.30	1 / 1	25.47	24.17	0.261	33.01	-8.84
	16-QAM	2526.0	-1.30	1 / 162	25.55	24.25	0.266	33.01	-8.76
		2593.0	-1.30	1 / 1	25.62	24.32	0.270	33.01	-8.69
50 MHz	QPSK	2660.0	-1.30	1 / 81	25.15	23.85	0.243	33.01	-9.16
		2593.0	-1.30	1 / 1	24.83	23.53	0.225	33.01	-9.48
		2526.0	-1.30	1 / 162	24.37	23.07	0.203	33.01	-9.94
	16-QAM	2593.0	-1.30	1 / 81	22.28	20.98	0.125	33.01	-12.03
		2521.0	-1.30	1 / 126	25.42	24.12	0.258	33.01	-8.89
		2593.0	-1.30	1 / 126	25.57	24.27	0.267	33.01	-8.74
	QPSK	2665.0	-1.30	1 / 126	25.35	24.05	0.254	33.01	-8.96
		2521.0	-1.30	1 / 126	25.57	24.27	0.267	33.01	-8.74
40 MHz	QPSK	2593.0	-1.30	1 / 126	25.62	24.32	0.271	33.01	-8.69
		2665.0	-1.30	1 / 126	25.52	24.22	0.264	33.01	-8.79
		2593.0	-1.30	1 / 1	24.83	23.53	0.225	33.01	-9.48
	16-QAM	2593.0	-1.30	1 / 1	24.23	22.93	0.196	33.01	-10.08
		2593.0	-1.30	1 / 64	22.47	21.17	0.131	33.01	-11.84
		2516.0	-1.30	1 / 98	25.69	24.39	0.275	33.01	-8.62
	π/2 BPSK	2593.0	-1.30	1 / 50	25.58	24.28	0.268	33.01	-8.73
		2670.0	-1.30	1 / 98	25.69	24.39	0.275	33.01	-8.62
20 MHz	QPSK	2516.0	-1.30	1 / 50	25.58	24.28	0.268	33.01	-8.73
		2593.0	-1.30	1 / 1	25.70	24.40	0.275	33.01	-8.61
		2670.0	-1.30	1 / 98	25.32	24.02	0.252	33.01	-8.99
	16-QAM	2593.0	-1.30	1 / 1	24.82	23.52	0.225	33.01	-9.49
		2593.0	-1.30	1 / 98	24.06	22.76	0.189	33.01	-10.25
		2593.0	-1.30	1 / 1	22.49	21.19	0.132	33.01	-11.82
	π/2 BPSK	2506.0	-1.30	1 / 1	25.48	24.18	0.262	33.01	-8.83
		2593.0	-1.30	1 / 48	25.40	24.10	0.257	33.01	-8.91
20 MHz	QPSK	2680.0	-1.30	1 / 1	25.36	24.06	0.255	33.01	-8.95
		2506.0	-1.30	50 / 0	25.20	23.90	0.245	33.01	-9.12
		2593.0	-1.30	1 / 1	25.60	24.30	0.269	33.01	-8.71
	16-QAM	2680.0	-1.30	1 / 48	25.29	23.99	0.251	33.01	-9.02
		2593.0	-1.30	1 / 25	24.43	23.13	0.205	33.01	-9.89
		2593.0	-1.30	1 / 48	23.30	22.00	0.158	33.01	-11.01
	256-QAM	2593.0	-1.30	1 / 25	21.38	20.08	0.102	33.01	-12.93
		2593.0	-1.30	1 / 25	21.38	20.08	0.102	33.01	-12.93

Table 7-10. EIRP Data (NR Band n77(PC3))

FCC ID: BCGA2379	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 149 of 224

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7.6.2 Antenna 1 – EIRP

LTE Band 30

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	QPSK	2310.0	-0.40	1 / 1	19.71	19.31	0.085	23.98	-4.67
	16-QAM	2310.0	-0.40	1 / 49	19.92	19.52	0.090	23.98	-4.46
	64-QAM	2310.0	-0.40	1 / 49	19.76	19.36	0.086	23.98	-4.62
	256-QAM	2310.0	-0.40	1 / 49	17.65	17.25	0.053	23.98	-6.73
5 MHz	QPSK	2307.5	-0.40	1 / 1	20.19	19.79	0.095	23.98	-4.19
		2312.5	-0.40	1 / 1	20.20	19.80	0.095	23.98	-4.18
	16-QAM	2307.5	-0.40	1 / 24	20.16	19.76	0.095	23.98	-4.22
		2312.5	-0.40	1 / 24	20.11	19.71	0.094	23.98	-4.27
	64-QAM	2307.5	-0.40	1 / 24	19.98	19.58	0.091	23.98	-4.40
		2312.5	-0.40	25 / 0	19.75	19.35	0.086	23.98	-4.63
	256-QAM	2312.5	-0.40	1 / 24	18.30	17.90	0.062	23.98	-6.08

Table 7-11. EIRP Data (LTE Band 30)

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]
20 MHz	QPSK	2510.0	-2.30	1 / 50	22.03	19.73	0.094	33.01	-13.28
		2535.0	-2.30	1 / 50	22.20	19.90	0.098	33.01	-13.11
		2560.0	-2.30	1 / 99	21.95	19.65	0.092	33.01	-13.36
	16-QAM	2535.0	-2.30	1 / 50	21.91	19.61	0.091	33.01	-13.40
	64-QAM	2560.0	-2.30	1 / 99	20.68	18.38	0.069	33.01	-14.63
	256-QAM	2560.0	-2.30	1 / 99	17.71	15.41	0.035	33.01	-17.60
15 MHz	QPSK	2507.5	-2.30	1 / 37	22.19	19.89	0.097	33.01	-13.12
		2535.0	-2.30	1 / 37	22.00	19.70	0.093	33.01	-13.31
		2562.5	-2.30	1 / 37	21.98	19.68	0.093	33.01	-13.33
	16-QAM	2535.0	-2.30	1 / 74	21.73	19.43	0.088	33.01	-13.58
	64-QAM	2535.0	-2.30	1 / 74	20.78	18.48	0.070	33.01	-14.53
	256-QAM	2535.0	-2.30	1 / 74	17.62	15.32	0.034	33.01	-17.69
10 MHz	QPSK	2505.0	-2.30	1 / 25	22.20	19.90	0.098	33.01	-13.11
		2535.0	-2.30	1 / 49	22.06	19.76	0.095	33.01	-13.25
		2565.0	-2.30	1 / 25	22.00	19.70	0.093	33.01	-13.31
	16-QAM	2535.0	-2.30	1 / 1	21.80	19.50	0.089	33.01	-13.51
	64-QAM	2535.0	-2.30	1 / 49	20.84	18.54	0.071	33.01	-14.47
	256-QAM	2535.0	-2.30	1 / 49	17.63	15.33	0.034	33.01	-17.68
5 MHz	QPSK	2502.5	-2.30	1 / 12	22.08	19.78	0.095	33.01	-13.23
		2535.0	-2.30	1 / 24	22.11	19.81	0.096	33.01	-13.20
		2567.5	-2.30	1 / 12	22.03	19.73	0.094	33.01	-13.28
	16-QAM	2567.5	-2.30	1 / 12	21.47	19.17	0.083	33.01	-13.84
	64-QAM	2535.0	-2.30	1 / 24	20.78	18.48	0.070	33.01	-14.53
	256-QAM	2535.0	-2.30	1 / 24	17.88	15.58	0.036	33.01	-17.43

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

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality 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]
20 MHz	QPSK	2506.0	1.30	1 / 50	24.09	25.39	0.346	33.01	-7.62
		2593.0	1.30	1 / 99	23.90	25.20	0.331	33.01	-7.81
		2680.0	1.30	1 / 99	24.07	25.37	0.344	33.01	-7.64
	16-QAM	2680.0	1.30	1 / 99	23.68	24.98	0.315	33.01	-8.03
	64-QAM	2593.0	1.30	1 / 99	22.76	24.06	0.255	33.01	-8.95
	256-QAM	2506.0	1.30	1 / 50	20.11	21.41	0.138	33.01	-11.60
15 MHz	QPSK	2503.5	1.30	1 / 37	23.98	25.28	0.337	33.01	-7.73
		2593.0	1.30	1 / 37	24.06	25.36	0.344	33.01	-7.65
		2682.5	1.30	1 / 74	24.20	25.50	0.355	33.01	-7.51
	16-QAM	2503.5	1.30	1 / 1	23.61	24.91	0.310	33.01	-8.10
	64-QAM	2682.5	1.30	1 / 74	22.31	23.61	0.230	33.01	-9.40
	256-QAM	2682.5	1.30	1 / 74	19.86	21.16	0.131	33.01	-11.85
10 MHz	QPSK	2501.0	1.30	1 / 25	24.09	25.39	0.346	33.01	-7.62
		2593.0	1.30	1 / 1	23.96	25.26	0.336	33.01	-7.75
		2685.0	1.30	1 / 25	24.09	25.39	0.346	33.01	-7.62
	16-QAM	2685.0	1.30	1 / 49	23.61	24.91	0.310	33.01	-8.10
	64-QAM	2501.0	1.30	1 / 49	22.51	23.81	0.240	33.01	-9.20
	256-QAM	2685.0	1.30	1 / 1	19.83	21.13	0.130	33.01	-11.88
5 MHz	QPSK	2498.5	1.30	1 / 12	24.13	25.43	0.349	33.01	-7.58
		2593.0	1.30	1 / 24	23.90	25.20	0.331	33.01	-7.81
		2687.5	1.30	1 / 12	24.10	25.40	0.347	33.01	-7.61
	16-QAM	2498.5	1.30	1 / 12	23.51	24.81	0.303	33.01	-8.20
	64-QAM	2687.5	1.30	1 / 24	23.06	24.36	0.273	33.01	-8.65
	256-QAM	2687.5	1.30	1 / 12	19.95	21.25	0.133	33.01	-11.76

Table 7-13. EIRP Data (LTE Band 41(PC2))

FCC ID: BCGA2379	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality 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]
20 MHz	QPSK	2506.0	1.30	1 / 1	21.83	23.13	0.206	33.01	-9.88
		2593.0	1.30	1 / 50	21.84	23.14	0.206	33.01	-9.87
		2680.0	1.30	1 / 99	21.90	23.20	0.209	33.01	-9.81
	16-QAM	2506.0	1.30	1 / 50	21.18	22.48	0.177	33.01	-10.53
	64-QAM	2506.0	1.30	100 / 0	19.77	21.07	0.128	33.01	-11.94
	256-QAM	2506.0	1.30	100 / 0	17.72	19.02	0.080	33.01	-13.99
15 MHz	QPSK	2503.5	1.30	1 / 37	21.90	23.20	0.209	33.01	-9.81
		2593.0	1.30	1 / 37	21.75	23.05	0.202	33.01	-9.96
		2682.5	1.30	1 / 74	21.86	23.16	0.207	33.01	-9.85
	16-QAM	2682.5	1.30	1 / 74	20.88	22.18	0.165	33.01	-10.83
	64-QAM	2503.5	1.30	1 / 74	19.82	21.12	0.129	33.01	-11.89
	256-QAM	2503.5	1.30	75 / 0	17.76	19.06	0.081	33.01	-13.95
10 MHz	QPSK	2501.0	1.30	1 / 25	21.90	23.20	0.209	33.01	-9.81
		2593.0	1.30	1 / 25	21.78	23.08	0.203	33.01	-9.93
		2685.0	1.30	1 / 49	21.70	23.00	0.200	33.01	-10.01
	16-QAM	2501.0	1.30	1 / 49	21.18	22.48	0.177	33.01	-10.53
	64-QAM	2501.0	1.30	50 / 0	19.74	21.04	0.127	33.01	-11.97
	256-QAM	2501.0	1.30	50 / 0	17.78	19.08	0.081	33.01	-13.93
5 MHz	QPSK	2498.5	1.30	1 / 12	21.90	23.20	0.209	33.01	-9.81
		2593.0	1.30	1 / 24	21.89	23.19	0.208	33.01	-9.82
		2687.5	1.30	1 / 12	21.67	22.97	0.198	33.01	-10.04
	16-QAM	2498.5	1.30	1 / 24	21.19	22.49	0.177	33.01	-10.52
	64-QAM	2687.5	1.30	1 / 1	20.65	21.95	0.157	33.01	-11.06
	256-QAM	2593.0	1.30	1 / 24	18.00	19.30	0.085	33.01	-13.71

Table 7-14. EIRP Data (LTE Band 41(PC3))

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
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ULCA LTE Band 7

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 B7	20MHz + 20MHz	QPSK	20850	2510.0	1	99	QPSK	21048	2529.8	1	0	22.08	-2.30	19.78	0.095	33.01	-13.23
				21100	2535.0	1	99		21288	2554.8	1	0	22.20	-2.30	19.90	0.098	33.01	-13.11
				21350	2560.0	1	0		21152	2540.2	1	99	21.66	-2.30	19.36	0.086	33.01	-13.65
			QPSK	20850	2510	100	0	QPSK	21048	2529.8	100	0	20.09	-2.30	17.79	0.060	33.01	-15.22
			16-QAM	20850	2510	100	0	16-QAM	21048	2529.8	100	0	19.14	-2.30	16.84	0.048	33.01	-16.17
			64-QAM	20850	2510	100	0	64-QAM	21048	2529.8	100	0	18.99	-2.30	16.69	0.047	33.01	-16.32
			256-QAM	20850	2510	100	0	256-QAM	21048	2529.8	100	0	16.65	-2.30	14.35	0.027	33.01	-18.66

Table 7-229. Conducted Power 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	24.32	1.30	25.62	0.365	33.01	-7.39
				40620	2593.0	1	99		40818	2612.8	1	0	24.18	1.30	25.48	0.353	33.01	-7.53
				41490	2680.0	1	0		41292	2660.2	1	99	24.50	1.30	25.80	0.380	33.01	-7.21
			QPSK	41490	2680	100	0	QPSK	41292	2660.2	100	0	23.60	1.30	24.90	0.309	33.01	-8.11
			16-QAM	41490	2680	100	0	16-QAM	41292	2660.2	100	0	22.67	1.30	23.97	0.249	33.01	-9.04
			64-QAM	41490	2680	100	0	64-QAM	41292	2660.2	100	0	22.49	1.30	23.79	0.239	33.01	-9.22
			256-QAM	41490	2680	100	0	256-QAM	41292	2660.2	100	0	19.45	1.30	20.75	0.119	33.01	-12.26

Table 7-230. Conducted Power 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 [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	22.05	1.30	23.35	0.216	33.01	-9.66
				40620	2593.0	1	99		40818	2612.8	1	0	22.09	1.30	23.39	0.218	33.01	-9.62
				41490	2680.0	1	0		41292	2660.2	1	99	22.2	1.30	23.50	0.224	33.01	-9.51
			QPSK	41490	2680	100	0	QPSK	41292	2660.2	100	0	21.37	1.30	22.67	0.185	33.01	-10.34
			16-QAM	41490	2680	100	0	16-QAM	41292	2660.2	100	0	20.66	1.30	21.96	0.157	33.01	-11.05
			64-QAM	41490	2680	100	0	64-QAM	41292	2660.2	100	0	20.42	1.30	21.72	0.149	33.01	-11.29
			256-QAM	41490	2680	100	0	256-QAM	41292	2660.2	100	0	17.71	1.30	19.01	0.080	33.01	-14.00

Table 7-231. Conducted Power Data (ULCA LTE Band 41(PC3))

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 153 of 224

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]
100 MHz	π/2 BPSK	2546.0	0.90	1 / 258	27.27	28.17	0.656	33.01	-4.84
		2593.0	0.90	1 / 135	27.18	28.08	0.642	33.01	-4.94
		2640.0	0.90	1 / 1	27.50	28.40	0.692	33.01	-4.61
	QPSK	2546.0	0.90	1 / 258	27.27	28.17	0.656	33.01	-4.84
		2593.0	0.90	1 / 135	27.04	27.94	0.622	33.01	-5.07
		2640.0	0.90	1 / 135	27.25	28.15	0.653	33.01	-4.86
	16-QAM	2593.0	0.90	1 / 135	26.73	27.63	0.580	33.01	-5.38
	64-QAM	2640.0	0.90	1 / 1	25.55	26.45	0.441	33.01	-6.56
	256-QAM	2640.0	0.90	270 / 0	23.26	24.16	0.261	33.01	-8.85
90 MHz	π/2 BPSK	2541.0	0.90	1 / 238	27.39	28.29	0.674	33.01	-4.72
		2593.0	0.90	1 / 120	27.39	28.29	0.674	33.01	-4.72
		2645.0	0.90	1 / 120	27.38	28.28	0.673	33.01	-4.73
	QPSK	2541.0	0.90	1 / 120	27.15	28.05	0.639	33.01	-4.96
		2593.0	0.90	1 / 120	27.50	28.40	0.692	33.01	-4.61
		2645.0	0.90	1 / 1	27.32	28.22	0.664	33.01	-4.79
	16-QAM	2593.0	0.90	1 / 120	27.13	28.03	0.635	33.01	-4.98
	64-QAM	2593.0	0.90	1 / 120	25.44	26.34	0.431	33.01	-6.67
	256-QAM	2645.0	0.90	1 / 1	23.19	24.09	0.256	33.01	-8.92
80 MHz	π/2 BPSK	2536.0	0.90	1 / 108	27.50	28.40	0.692	33.01	-4.61
		2593.0	0.90	1 / 108	27.28	28.18	0.657	33.01	-4.83
		2650.0	0.90	1 / 1	27.50	28.40	0.692	33.01	-4.61
	QPSK	2536.0	0.90	1 / 214	27.45	28.35	0.684	33.01	-4.66
		2593.0	0.90	1 / 108	27.39	28.29	0.675	33.01	-4.72
		2650.0	0.90	1 / 108	27.24	28.14	0.651	33.01	-4.87
	16-QAM	2593.0	0.90	1 / 108	26.91	27.81	0.604	33.01	-5.20
	64-QAM	2650.0	0.90	1 / 1	25.46	26.36	0.432	33.01	-6.66
	256-QAM	2593.0	0.90	216 / 0	23.14	24.04	0.254	33.01	-8.97
60 MHz	π/2 BPSK	2526.0	0.90	1 / 162	27.50	28.40	0.692	33.01	-4.61
		2593.0	0.90	1 / 81	27.43	28.33	0.680	33.01	-4.68
		2660.0	0.90	1 / 1	27.46	28.36	0.686	33.01	-4.65
	QPSK	2526.0	0.90	1 / 162	27.31	28.21	0.662	33.01	-4.80
		2593.0	0.90	1 / 1	27.41	28.31	0.677	33.01	-4.70
		2660.0	0.90	1 / 81	27.18	28.08	0.643	33.01	-4.93
	16-QAM	2526.0	0.90	1 / 81	27.02	27.92	0.620	33.01	-5.09
	64-QAM	2593.0	0.90	1 / 81	25.59	26.49	0.446	33.01	-6.52
	256-QAM	2526.0	0.90	1 / 162	23.24	24.14	0.259	33.01	-8.87
50 MHz	π/2 BPSK	2521.0	0.90	1 / 126	27.49	28.39	0.690	33.01	-4.62
		2593.0	0.90	1 / 126	27.10	28.00	0.631	33.01	-5.01
		2665.0	0.90	1 / 64	27.49	28.39	0.690	33.01	-4.62
	QPSK	2521.0	0.90	1 / 126	27.50	28.40	0.692	33.01	-4.61
		2593.0	0.90	1 / 1	27.36	28.26	0.670	33.01	-4.75
		2665.0	0.90	1 / 64	27.33	28.23	0.665	33.01	-4.78
	16-QAM	2521.0	0.90	1 / 64	26.85	27.75	0.595	33.01	-5.26
	64-QAM	2593.0	0.90	1 / 1	25.30	26.20	0.417	33.01	-6.81
	256-QAM	2593.0	0.90	128 / 0	23.08	23.98	0.250	33.01	-9.03
40 MHz	π/2 BPSK	2516.0	0.90	1 / 50	27.36	28.26	0.670	33.01	-4.75
		2593.0	0.90	1 / 98	27.47	28.37	0.688	33.01	-4.64
		2670.0	0.90	1 / 50	27.37	28.27	0.671	33.01	-4.74
	QPSK	2516.0	0.90	1 / 50	27.36	28.26	0.670	33.01	-4.75
		2593.0	0.90	1 / 50	27.48	28.38	0.688	33.01	-4.63
		2670.0	0.90	1 / 50	27.50	28.40	0.692	33.01	-4.61
	16-QAM	2593.0	0.90	1 / 1	26.81	27.71	0.590	33.01	-5.30
	64-QAM	2670.0	0.90	1 / 50	25.52	26.42	0.438	33.01	-6.59
	256-QAM	2593.0	0.90	100 / 0	23.06	23.96	0.249	33.01	-9.05
20 MHz	π/2 BPSK	2506.0	0.90	1 / 25	26.91	27.81	0.604	33.01	-5.20
		2593.0	0.90	1 / 25	27.20	28.10	0.646	33.01	-4.91
		2680.0	0.90	50 / 0	27.00	27.90	0.616	33.01	-5.11
	QPSK	2506.0	0.90	1 / 48	27.14	28.04	0.637	33.01	-4.97
		2593.0	0.90	1 / 1	27.02	27.92	0.619	33.01	-5.09
		2680.0	0.90	1 / 1	26.64	27.54	0.568	33.01	-5.47
	16-QAM	2680.0	0.90	1 / 25	26.70	27.60	0.576	33.01	-5.41
	64-QAM	2593.0	0.90	1 / 25	25.36	26.26	0.422	33.01	-6.76
	256-QAM	2506.0	0.90	1 / 48	23.17	24.07	0.255	33.01	-8.94

Table 7-15. EIRP Data (NR Band n41(PC2) – DFT-s OFDM)

FCC ID: BCGA2379	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device		Page 154 of 224

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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]
100 MHz	$\pi/2$ BPSK	2546.0	0.90	1 / 258	25.54	26.44	0.440	33.01	-6.57
		2593.0	0.90	1 / 135	25.67	26.57	0.454	33.01	-6.44
		2640.0	0.90	1 / 135	25.53	26.43	0.440	33.01	-6.58
	QPSK	2546.0	0.90	1 / 258	25.62	26.52	0.448	33.01	-6.49
		2593.0	0.90	1 / 135	25.63	26.53	0.450	33.01	-6.48
		2640.0	0.90	1 / 1	25.70	26.60	0.457	33.01	-6.41
	16-QAM	2593.0	0.90	1 / 258	24.56	25.46	0.352	33.01	-7.55
	64-QAM	2546.0	0.90	1 / 258	23.73	24.63	0.290	33.01	-8.38
	256-QAM	2640.0	0.90	1 / 258	21.46	22.36	0.172	33.01	-10.65
90 MHz	$\pi/2$ BPSK	2541.0	0.90	1 / 120	25.62	26.52	0.449	33.01	-6.49
		2593.0	0.90	1 / 238	25.66	26.56	0.453	33.01	-6.45
		2645.0	0.90	1 / 238	25.70	26.60	0.457	33.01	-6.41
	QPSK	2541.0	0.90	1 / 238	25.57	26.47	0.444	33.01	-6.54
		2593.0	0.90	1 / 120	25.64	26.54	0.451	33.01	-6.47
		2645.0	0.90	1 / 238	25.70	26.60	0.457	33.01	-6.41
	16-QAM	2541.0	0.90	1 / 238	25.17	26.07	0.405	33.01	-6.94
	64-QAM	2645.0	0.90	1 / 238	23.76	24.66	0.293	33.01	-8.35
	256-QAM	2645.0	0.90	1 / 238	21.69	22.59	0.182	33.01	-10.42
80 MHz	$\pi/2$ BPSK	2536.0	0.90	1 / 214	25.63	26.53	0.450	33.01	-6.48
		2593.0	0.90	1 / 214	25.70	26.60	0.457	33.01	-6.41
		2650.0	0.90	1 / 108	25.64	26.54	0.451	33.01	-6.47
	QPSK	2536.0	0.90	1 / 214	25.61	26.51	0.447	33.01	-6.50
		2593.0	0.90	1 / 108	25.52	26.42	0.439	33.01	-6.59
		2650.0	0.90	1 / 1	25.53	26.43	0.440	33.01	-6.58
	16-QAM	2650.0	0.90	1 / 108	24.78	25.68	0.369	33.01	-7.33
	64-QAM	2650.0	0.90	1 / 108	23.60	24.50	0.282	33.01	-8.51
	256-QAM	2650.0	0.90	1 / 214	21.44	22.34	0.171	33.01	-10.67
60 MHz	$\pi/2$ BPSK	2526.0	0.90	1 / 162	25.70	26.60	0.457	33.01	-6.41
		2593.0	0.90	1 / 1	25.58	26.48	0.445	33.01	-6.53
		2660.0	0.90	1 / 1	25.67	26.57	0.453	33.01	-6.44
	QPSK	2526.0	0.90	1 / 81	25.45	26.35	0.432	33.01	-6.66
		2593.0	0.90	1 / 162	25.67	26.57	0.454	33.01	-6.44
		2660.0	0.90	1 / 162	25.54	26.44	0.440	33.01	-6.58
	16-QAM	2526.0	0.90	1 / 162	24.85	25.75	0.376	33.01	-7.26
	64-QAM	2526.0	0.90	1 / 81	23.50	24.40	0.275	33.01	-8.61
	256-QAM	2660.0	0.90	1 / 162	21.56	22.46	0.176	33.01	-10.55
50 MHz	$\pi/2$ BPSK	2521.0	0.90	1 / 126	25.43	26.33	0.430	33.01	-6.68
		2593.0	0.90	1 / 1	25.59	26.49	0.446	33.01	-6.52
		2665.0	0.90	1 / 126	25.70	26.60	0.457	33.01	-6.41
	QPSK	2521.0	0.90	1 / 126	25.39	26.29	0.426	33.01	-6.72
		2593.0	0.90	1 / 126	25.59	26.49	0.446	33.01	-6.52
		2665.0	0.90	1 / 1	25.48	26.38	0.435	33.01	-6.63
	16-QAM	2593.0	0.90	1 / 64	24.65	25.55	0.359	33.01	-7.46
	64-QAM	2665.0	0.90	1 / 126	23.68	24.58	0.287	33.01	-8.43
	256-QAM	2521.0	0.90	1 / 126	21.60	22.50	0.178	33.01	-10.51
40 MHz	$\pi/2$ BPSK	2516.0	0.90	1 / 98	25.70	26.60	0.457	33.01	-6.41
		2593.0	0.90	1 / 1	25.53	26.43	0.440	33.01	-6.58
		2670.0	0.90	1 / 1	25.69	26.59	0.456	33.01	-6.42
	QPSK	2516.0	0.90	1 / 98	25.58	26.48	0.444	33.01	-6.53
		2593.0	0.90	1 / 1	25.70	26.60	0.457	33.01	-6.41
		2670.0	0.90	1 / 98	25.53	26.43	0.440	33.01	-6.58
	16-QAM	2593.0	0.90	1 / 1	25.05	25.95	0.394	33.01	-7.06
	64-QAM	2670.0	0.90	1 / 50	23.82	24.72	0.297	33.01	-8.29
	256-QAM	2670.0	0.90	1 / 98	21.39	22.29	0.170	33.01	-10.72
20 MHz	$\pi/2$ BPSK	2506.0	0.90	1 / 48	25.11	26.01	0.399	33.01	-7.00
		2593.0	0.90	1 / 25	25.25	26.15	0.412	33.01	-6.86
		2680.0	0.90	1 / 25	25.18	26.08	0.405	33.01	-6.93
	QPSK	2506.0	0.90	1 / 25	25.07	25.97	0.395	33.01	-7.04
		2593.0	0.90	1 / 48	25.39	26.29	0.426	33.01	-6.72
		2680.0	0.90	1 / 1	25.40	26.30	0.427	33.01	-6.71
	16-QAM	2506.0	0.90	1 / 48	24.73	25.63	0.366	33.01	-7.38
	64-QAM	2680.0	0.90	1 / 48	23.32	24.22	0.264	33.01	-8.79
	256-QAM	2506.0	0.90	50 / 0	21.18	22.08	0.161	33.01	-10.93

Table 7-16. EIRP Data (NR Band n41(PC3) – DFTs OFDM)

FCC ID: BCGA2379	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 155 of 224

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NR Band n77(PC2)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	π/2 BPSK	3750.0	1.30	1 / 258	23.00	24.30	0.269	33.01	-8.71
		3840.0	1.30	1 / 135	22.99	24.29	0.268	33.01	-8.72
		3930.0	1.30	1 / 258	22.92	24.22	0.264	33.01	-8.79
	QPSK	3750.0	1.30	1 / 258	22.96	24.26	0.267	33.01	-8.75
		3840.0	1.30	1 / 1	22.92	24.22	0.264	33.01	-8.79
		3930.0	1.30	1 / 258	23.00	24.30	0.269	33.01	-8.71
	16-QAM	3750.0	1.30	1 / 135	22.19	23.49	0.223	33.01	-9.52
	64-QAM	3750.0	1.30	1 / 135	21.10	22.40	0.174	33.01	-10.61
90 MHz	π/2 BPSK	3750.0	1.30	1 / 135	19.18	20.48	0.112	33.01	-12.53
		3745.0	1.30	1 / 238	22.92	24.22	0.264	33.01	-8.79
		3840.0	1.30	1 / 120	23.00	24.30	0.269	33.01	-8.71
	QPSK	3935.0	1.30	1 / 120	22.90	24.20	0.263	33.01	-8.81
		3745.0	1.30	1 / 238	23.00	24.30	0.269	33.01	-8.71
		3840.0	1.30	1 / 238	22.88	24.18	0.262	33.01	-8.83
	16-QAM	3935.0	1.30	1 / 238	22.97	24.27	0.267	33.01	-8.74
		3745.0	1.30	1 / 238	22.27	23.57	0.228	33.01	-9.44
80 MHz	π/2 BPSK	3840.0	1.30	1 / 120	19.07	20.37	0.109	33.01	-12.64
		3740.0	1.30	1 / 1	22.91	24.21	0.264	33.01	-8.80
		3840.0	1.30	1 / 1	23.00	24.30	0.269	33.01	-8.71
	QPSK	3940.0	1.30	1 / 1	22.95	24.25	0.266	33.01	-8.76
		3740.0	1.30	1 / 108	22.88	24.18	0.262	33.01	-8.83
		3840.0	1.30	1 / 1	22.82	24.12	0.258	33.01	-8.89
	16-QAM	3940.0	1.30	1 / 1	22.83	24.13	0.259	33.01	-8.88
		3840.0	1.30	1 / 108	22.33	23.63	0.231	33.01	-9.38
60 MHz	π/2 BPSK	3840.0	1.30	1 / 1	20.70	22.00	0.158	33.01	-11.01
		3740.0	1.30	1 / 214	18.82	20.12	0.103	33.01	-12.89
		3730.0	1.30	1 / 162	22.96	24.26	0.267	33.01	-8.75
	QPSK	3840.0	1.30	1 / 81	22.93	24.23	0.265	33.01	-8.78
		3950.0	1.30	1 / 81	22.89	24.19	0.262	33.01	-8.82
		3730.0	1.30	1 / 162	23.00	24.30	0.269	33.01	-8.71
	16-QAM	3840.0	1.30	1 / 81	22.92	24.22	0.264	33.01	-8.79
		3950.0	1.30	1 / 162	22.86	24.16	0.261	33.01	-8.85
50 MHz	π/2 BPSK	3730.0	1.30	1 / 1	22.16	23.46	0.222	33.01	-9.55
		3730.0	1.30	1 / 81	20.89	22.19	0.166	33.01	-10.82
		3730.0	1.30	1 / 162	19.00	20.30	0.107	33.01	-12.71
	QPSK	3725.0	1.30	1 / 126	22.87	24.17	0.261	33.01	-8.84
		3840.0	1.30	1 / 64	22.93	24.23	0.265	33.01	-8.78
		3955.0	1.30	1 / 126	22.87	24.17	0.261	33.01	-8.84
	16-QAM	3725.0	1.30	1 / 126	23.00	24.30	0.269	33.01	-8.71
		3840.0	1.30	1 / 64	22.90	24.20	0.263	33.01	-8.81
40 MHz	π/2 BPSK	3955.0	1.30	1 / 126	22.82	24.12	0.258	33.01	-8.89
		3725.0	1.30	1 / 126	22.23	23.53	0.226	33.01	-9.48
		3955.0	1.30	1 / 126	20.90	22.20	0.166	33.01	-10.81
	QPSK	3955.0	1.30	1 / 126	18.89	20.19	0.105	33.01	-12.82
		3720.0	1.30	1 / 98	23.00	24.30	0.269	33.01	-8.71
		3840.0	1.30	1 / 98	22.85	24.15	0.260	33.01	-8.86
	16-QAM	3960.0	1.30	1 / 1	23.00	24.30	0.269	33.01	-8.71
		3720.0	1.30	1 / 1	22.96	24.26	0.266	33.01	-8.75
20 MHz	π/2 BPSK	3840.0	1.30	1 / 1	22.92	24.22	0.264	33.01	-8.79
		3960.0	1.30	1 / 98	22.87	24.17	0.261	33.01	-8.84
		3720.0	1.30	1 / 98	22.09	23.39	0.218	33.01	-9.62
	QPSK	3960.0	1.30	1 / 98	20.74	22.04	0.160	33.01	-10.97
		3720.0	1.30	1 / 98	18.55	19.85	0.097	33.01	-13.16
		3710.0	1.30	1 / 1	22.61	23.91	0.246	33.01	-9.10
	16-QAM	3840.0	1.30	1 / 25	22.64	23.94	0.248	33.01	-9.07
		3970.0	1.30	1 / 48	22.70	24.00	0.251	33.01	-9.01

Table 7-17. EIRP Data (NR Band n77(PC2) – DFT-s OFDM)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
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NR Band n77(PC3)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	π/2 BPSK	3750.0	1.30	1 / 1	21.56	22.86	0.193	33.01	-10.15
		3840.0	1.30	1 / 1	21.58	22.88	0.194	33.01	-10.14
		3930.0	1.30	1 / 1	21.66	22.96	0.197	33.01	-10.06
	QPSK	3750.0	1.30	1 / 135	21.65	22.95	0.197	33.01	-10.06
		3840.0	1.30	1 / 135	21.70	23.00	0.200	33.01	-10.01
		3930.0	1.30	1 / 1	21.68	22.98	0.199	33.01	-10.03
	16-QAM	3840.0	1.30	1 / 1	21.38	22.68	0.185	33.01	-10.33
	64-QAM	3840.0	1.30	270 / 0	19.22	20.52	0.113	33.01	-12.49
90 MHz	π/2 BPSK	3750.0	1.30	1 / 1	16.92	18.22	0.066	33.01	-14.79
		3745.0	1.30	1 / 120	21.60	22.90	0.195	33.01	-10.11
		3840.0	1.30	1 / 1	21.70	23.00	0.200	33.01	-10.01
	QPSK	3935.0	1.30	1 / 120	21.67	22.97	0.198	33.01	-10.04
		3745.0	1.30	1 / 120	21.51	22.81	0.191	33.01	-10.20
		3840.0	1.30	1 / 1	21.60	22.90	0.195	33.01	-10.11
	16-QAM	3935.0	1.30	1 / 120	21.50	22.80	0.191	33.01	-10.21
	64-QAM	3840.0	1.30	1 / 238	20.88	22.18	0.165	33.01	-10.83
80 MHz	π/2 BPSK	3745.0	1.30	1 / 238	19.15	20.45	0.111	33.01	-12.56
		3745.0	1.30	1 / 238	17.27	18.57	0.072	33.01	-14.44
		3740.0	1.30	1 / 108	21.63	22.93	0.197	33.01	-10.08
	QPSK	3840.0	1.30	1 / 1	21.61	22.91	0.195	33.01	-10.10
		3940.0	1.30	1 / 1	21.62	22.92	0.196	33.01	-10.09
		3740.0	1.30	1 / 214	21.70	23.00	0.200	33.01	-10.01
	16-QAM	3840.0	1.30	1 / 214	21.65	22.95	0.197	33.01	-10.06
	64-QAM	3940.0	1.30	1 / 1	21.50	22.80	0.190	33.01	-10.21
60 MHz	π/2 BPSK	3740.0	1.30	1 / 214	20.98	22.28	0.169	33.01	-10.73
		3740.0	1.30	1 / 214	19.41	20.71	0.118	33.01	-12.30
		3840.0	1.30	1 / 1	17.39	18.69	0.074	33.01	-14.32
	QPSK	3730.0	1.30	1 / 162	21.61	22.91	0.196	33.01	-10.10
		3840.0	1.30	1 / 81	21.69	22.99	0.199	33.01	-10.02
		3950.0	1.30	1 / 1	21.56	22.86	0.193	33.01	-10.15
	16-QAM	3730.0	1.30	1 / 162	21.70	23.00	0.200	33.01	-10.01
	64-QAM	3840.0	1.30	1 / 1	21.64	22.94	0.197	33.01	-10.07
50 MHz	π/2 BPSK	3950.0	1.30	1 / 1	21.40	22.70	0.186	33.01	-10.31
		3725.0	1.30	1 / 126	21.54	22.84	0.192	33.01	-10.17
		3840.0	1.30	1 / 126	21.70	23.00	0.200	33.01	-10.01
	QPSK	3955.0	1.30	1 / 126	21.51	22.81	0.191	33.01	-10.20
		3840.0	1.30	1 / 64	21.03	22.33	0.171	33.01	-10.68
		3840.0	1.30	128 / 0	19.12	20.42	0.110	33.01	-12.59
	16-QAM	3840.0	1.30	1 / 64	17.30	18.60	0.072	33.01	-14.41
	64-QAM	3840.0	1.30	1 / 64	17.30	18.60	0.072	33.01	-14.41
40 MHz	π/2 BPSK	3720.0	1.30	1 / 98	21.46	22.76	0.189	33.01	-10.25
		3840.0	1.30	1 / 50	21.62	22.92	0.196	33.01	-10.09
		3960.0	1.30	1 / 1	21.34	22.64	0.184	33.01	-10.37
	QPSK	3720.0	1.30	1 / 98	21.59	22.89	0.195	33.01	-10.12
		3840.0	1.30	1 / 98	21.70	23.00	0.200	33.01	-10.01
		3960.0	1.30	1 / 1	21.58	22.88	0.194	33.01	-10.13
	16-QAM	3720.0	1.30	1 / 98	21.06	22.36	0.172	33.01	-10.65
	64-QAM	3720.0	1.30	1 / 98	19.19	20.49	0.112	33.01	-12.52
20 MHz	π/2 BPSK	3840.0	1.30	1 / 1	17.09	18.39	0.069	33.01	-14.62
		3710.0	1.30	1 / 48	21.35	22.65	0.184	33.01	-10.36
		3840.0	1.30	1 / 1	21.40	22.70	0.186	33.01	-10.31
	QPSK	3970.0	1.30	1 / 25	21.29	22.59	0.182	33.01	-10.42
		3710.0	1.30	1 / 48	21.40	22.70	0.186	33.01	-10.31
		3840.0	1.30	1 / 1	21.40	22.70	0.186	33.01	-10.31
	16-QAM	3970.0	1.30	1 / 1	21.35	22.65	0.184	33.01	-10.36
	64-QAM	3970.0	1.30	1 / 1	21.08	22.38	0.173	33.01	-10.63
	64-QAM	3840.0	1.30	50 / 0	19.29	20.59	0.115	33.01	-12.42
	256-QAM	3840.0	1.30	1 / 25	17.56	18.86	0.077	33.01	-14.15

Table 7-18. EIRP Data (NR Band n77(PC3) – DFT-s OFDM)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
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7.6.3 Antenna 4b – EIRP

LTE Band 30

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	QPSK	2310.0	-0.50	1 / 1	23.14	22.64	0.184	23.98	-1.34
	16-QAM	2310.0	-0.50	1 / 49	23.20	22.70	0.186	23.98	-1.28
	64-QAM	2310.0	-0.50	1 / 49	22.70	22.20	0.166	23.98	-1.78
	256-QAM	2310.0	-0.50	1 / 49	20.62	20.12	0.103	23.98	-3.86
5 MHz	QPSK	2307.5	-0.50	1 / 12	23.08	22.58	0.181	23.98	-1.40
		2312.5	-0.50	1 / 24	22.46	21.96	0.157	23.98	-2.02
	16-QAM	2307.5	-0.50	1 / 12	23.92	23.42	0.220	23.98	-0.56
		2307.5	-0.50	1 / 24	23.39	22.89	0.195	23.98	-1.09
	64-QAM	2307.5	-0.50	1 / 24	22.67	22.17	0.165	23.98	-1.81
		2312.5	-0.50	1 / 24	22.67	22.17	0.165	23.98	-1.81
	256-QAM	2307.5	-0.50	1 / 24	21.37	20.87	0.122	23.98	-3.11
		2312.5	-0.50	1 / 24	20.77	20.27	0.106	23.98	-3.71

Table 7-19. EIRP Data (LTE Band 30)

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]
20 MHz	QPSK	2510.0	-2.00	1 / 50	24.52	22.52	0.179	33.01	-10.49
		2535.0	-2.00	1 / 50	25.20	23.20	0.209	33.01	-9.81
		2560.0	-2.00	1 / 99	25.20	23.20	0.209	33.01	-9.81
	16-QAM	2535.0	-2.00	1 / 50	24.78	22.78	0.190	33.01	-10.23
		2560.0	-2.00	1 / 1	23.89	21.89	0.155	33.01	-11.12
	256-QAM	2535.0	-2.00	1 / 99	20.77	18.77	0.075	33.01	-14.24
15 MHz	QPSK	2507.5	-2.00	1 / 37	24.56	22.56	0.180	33.01	-10.45
		2535.0	-2.00	1 / 74	25.20	23.20	0.209	33.01	-9.81
		2562.5	-2.00	1 / 74	25.14	23.14	0.206	33.01	-9.87
	16-QAM	2535.0	-2.00	1 / 74	24.63	22.63	0.183	33.01	-10.38
		2535.0	-2.00	1 / 37	24.03	22.03	0.160	33.01	-10.98
	256-QAM	2535.0	-2.00	1 / 74	20.55	18.55	0.072	33.01	-14.46
10 MHz	QPSK	2505.0	-2.00	1 / 25	24.42	22.42	0.175	33.01	-10.59
		2535.0	-2.00	1 / 49	25.20	23.20	0.209	33.01	-9.81
		2565.0	-2.00	1 / 25	25.17	23.17	0.207	33.01	-9.84
	16-QAM	2535.0	-2.00	1 / 49	24.60	22.60	0.182	33.01	-10.41
		2535.0	-2.00	1 / 25	24.03	22.03	0.160	33.01	-10.98
	256-QAM	2535.0	-2.00	1 / 25	20.60	18.60	0.072	33.01	-14.41
5 MHz	QPSK	2502.5	-2.00	1 / 24	25.20	23.20	0.209	33.01	-9.81
		2535.0	-2.00	1 / 12	25.04	23.04	0.201	33.01	-9.97
		2567.5	-2.00	1 / 1	24.48	22.48	0.177	33.01	-10.53
	16-QAM	2535.0	-2.00	1 / 1	24.54	22.54	0.179	33.01	-10.47
		2535.0	-2.00	1 / 12	23.83	21.83	0.152	33.01	-11.18
	64-QAM	2535.0	-2.00	1 / 12	23.83	21.83	0.152	33.01	-11.18
		2535.0	-2.00	1 / 12	21.16	19.16	0.082	33.01	-13.85
	256-QAM	2535.0	-2.00	1 / 12	21.16	19.16	0.082	33.01	-13.85

Table 7-20. EIRP Data (LTE Band 7)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality 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]
20 MHz	QPSK	2506.0	-1.90	1 / 99	27.00	25.10	0.324	33.01	-7.91
		2593.0	-1.90	1 / 1	27.16	25.26	0.336	33.01	-7.75
		2680.0	-1.90	1 / 99	27.20	25.30	0.339	33.01	-7.71
	16-QAM	2506.0	-1.90	1 / 50	26.53	24.63	0.290	33.01	-8.38
	64-QAM	2680.0	-1.90	1 / 99	25.63	23.73	0.236	33.01	-9.28
	256-QAM	2593.0	-1.90	1 / 1	22.89	20.99	0.126	33.01	-12.02
15 MHz	QPSK	2503.5	-1.90	1 / 1	27.17	25.27	0.337	33.01	-7.74
		2593.0	-1.90	1 / 74	27.20	25.30	0.339	33.01	-7.71
		2682.5	-1.90	1 / 74	27.09	25.19	0.330	33.01	-7.82
	16-QAM	2682.5	-1.90	1 / 74	26.34	24.44	0.278	33.01	-8.57
	64-QAM	2593.0	-1.90	1 / 74	25.76	23.86	0.243	33.01	-9.15
	256-QAM	2503.5	-1.90	1 / 74	22.95	21.05	0.127	33.01	-11.96
10 MHz	QPSK	2501.0	-1.90	1 / 49	27.20	25.30	0.339	33.01	-7.71
		2593.0	-1.90	1 / 49	27.07	25.17	0.329	33.01	-7.84
		2685.0	-1.90	1 / 49	27.13	25.23	0.333	33.01	-7.78
	16-QAM	2501.0	-1.90	1 / 1	26.46	24.56	0.286	33.01	-8.45
	64-QAM	2685.0	-1.90	1 / 49	25.79	23.89	0.245	33.01	-9.12
	256-QAM	2685.0	-1.90	1 / 49	22.57	20.67	0.117	33.01	-12.34
5 MHz	QPSK	2498.5	-1.90	1 / 24	26.74	24.84	0.305	33.01	-8.17
		2593.0	-1.90	1 / 1	27.09	25.19	0.330	33.01	-7.82
		2687.5	-1.90	1 / 1	27.20	25.30	0.339	33.01	-7.71
	16-QAM	2687.5	-1.90	1 / 12	26.94	25.04	0.319	33.01	-7.97
	64-QAM	2687.5	-1.90	25 / 0	25.93	24.03	0.253	33.01	-8.98
	256-QAM	2593.0	-1.90	1 / 12	23.04	21.14	0.130	33.01	-11.87

Table 7-21. EIRP Data (LTE Band 41(PC2))

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality 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]
20 MHz	QPSK	2506.0	-1.90	1 / 50	25.20	23.30	0.214	33.01	-9.71
		2593.0	-1.90	1 / 99	25.08	23.18	0.208	33.01	-9.83
		2680.0	-1.90	1 / 99	25.20	23.30	0.214	33.01	-9.71
	16-QAM	2506.0	-1.90	1 / 50	24.50	22.60	0.182	33.01	-10.41
	64-QAM	2506.0	-1.90	1 / 50	23.02	21.12	0.129	33.01	-11.89
	256-QAM	2506.0	-1.90	1 / 99	20.17	18.27	0.067	33.01	-14.74
15 MHz	QPSK	2503.5	-1.90	1 / 1	24.99	23.09	0.204	33.01	-9.92
		2593.0	-1.90	1 / 74	25.02	23.12	0.205	33.01	-9.89
		2682.5	-1.90	1 / 74	25.20	23.30	0.214	33.01	-9.71
	16-QAM	2682.5	-1.90	1 / 37	24.28	22.38	0.173	33.01	-10.63
	64-QAM	2682.5	-1.90	1 / 74	23.16	21.26	0.134	33.01	-11.75
	256-QAM	2503.5	-1.90	1 / 74	20.51	18.61	0.073	33.01	-14.40
10 MHz	QPSK	2501.0	-1.90	1 / 25	25.19	23.29	0.213	33.01	-9.72
		2593.0	-1.90	1 / 1	25.20	23.30	0.214	33.01	-9.71
		2685.0	-1.90	1 / 1	25.17	23.27	0.212	33.01	-9.74
	16-QAM	2593.0	-1.90	1 / 49	24.48	22.58	0.181	33.01	-10.43
	64-QAM	2685.0	-1.90	1 / 49	23.17	21.27	0.134	33.01	-11.74
	256-QAM	2685.0	-1.90	1 / 49	20.11	18.21	0.066	33.01	-14.80
5 MHz	QPSK	2498.5	-1.90	1 / 12	25.13	23.23	0.210	33.01	-9.78
		2593.0	-1.90	1 / 24	25.20	23.30	0.214	33.01	-9.71
		2687.5	-1.90	1 / 1	25.17	23.27	0.212	33.01	-9.74
	16-QAM	2593.0	-1.90	1 / 24	24.39	22.49	0.177	33.01	-10.52
	64-QAM	2593.0	-1.90	1 / 1	23.48	21.58	0.144	33.01	-11.43
	256-QAM	2498.5	-1.90	1 / 24	20.37	18.47	0.070	33.01	-14.54

Table 7-22. EIRP Data (LTE Band 41(PC3))

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 160 of 224

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ULCA LTE Band 7

Power State	Band	Bandwidth (PCC + SCC)	PCC				SCC				ULCATx 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	25.18	-2.00	23.18	-9.83
				21100	2535.0	1	99		21298	2554.8	1	0	25.20	-2.00	23.20	-9.81
				21350	2560.0	1	0		21152	2540.2	1	99	25.19	-2.00	23.19	-9.82
				20850	2510	100	0		21048	2529.8	100	0	24.07	-2.00	22.07	-10.94
			16-QAM	20850	2510	100	0	16-QAM	21048	2529.8	100	0	23.09	-2.00	21.09	-11.92
				20850	2510	100	0		21048	2529.8	100	0	23.07	-2.00	21.07	-11.94
				20850	2510	100	0		21048	2529.8	100	0	20.02	-2.00	18.02	-14.99
				20850	2510	100	0		21048	2529.8	100	0	20.02	-2.00	18.02	-14.99

Table 7-232. Conducted Power Data (ULCA LTE Band 7)

ULCA LTE Band 41(PC2)

Power State	Band	Bandwidth (PCC + SCC)	PCC				SCC				ULCATx 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	27.34	-1.90	25.44	-7.57
				40620	2593.0	1	99		40818	2612.8	1	0	27.50	-1.90	25.60	-7.41
				41490	2680.0	1	0		41292	2660.2	1	99	27.25	-1.90	25.35	-7.66
				40620	2593	100	0		40818	2612.8	100	0	26.50	-1.90	24.60	-8.41
			16-QAM	40620	2593	100	0	16-QAM	40818	2612.8	100	0	25.22	-1.90	23.32	-9.69
				40620	2593	100	0		40818	2612.8	100	0	25.19	-1.90	23.29	-9.72
				40620	2593	100	0		40818	2612.8	100	0	23.15	-1.90	21.25	-11.76
				40620	2593	100	0		40818	2612.8	100	0	23.15	-1.90	21.25	-11.76

Table 7-233. Conducted Power Data (ULCA LTE Band 41(PC2))

ULCA LTE Band 41(PC3)

Power State	Band	Bandwidth (PCC + SCC)	PCC				SCC				ULCATx 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	25.07	-1.90	23.17	-9.84
				40620	2593.0	1	99		40818	2612.8	1	0	25.17	-1.90	23.27	-9.74
				41490	2680.0	1	0		41292	2660.2	1	99	25.2	-1.90	23.30	-9.71
				41490	2680	100	0		41292	2660.2	100	0	24.62	-1.90	22.72	-10.29
			16-QAM	41490	2680	100	0	16-QAM	41292	2660.2	100	0	23.65	-1.90	21.75	-11.26
				41490	2680	100	0		41292	2660.2	100	0	23.73	-1.90	21.83	-11.18
				41490	2680	100	0		41292	2660.2	100	0	21.73	-1.90	19.83	-13.18
				41490	2680	100	0		41292	2660.2	100	0	21.73	-1.90	19.83	-13.18

Table 7-234. Conducted Power Data (ULCA LTE Band 41(PC3))

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 161 of 224

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]
100 MHz	π/2 BPSK	2546.0	-1.60	1 / 135	23.52	21.92	0.156	33.01	-11.09
		2593.0	-1.60	1 / 258	23.62	22.02	0.159	33.01	-11.00
		2640.0	-1.60	1 / 258	23.73	22.13	0.163	33.01	-10.88
	QPSK	2546.0	-1.60	1 / 135	24.00	22.40	0.174	33.01	-10.61
		2593.0	-1.60	1 / 135	23.66	22.06	0.161	33.01	-10.95
		2640.0	-1.60	1 / 1	23.22	21.62	0.145	33.01	-11.39
	16-QAM	2640.0	-1.60	1 / 135	22.40	20.80	0.120	33.01	-12.21
	64-QAM	2593.0	-1.60	270 / 0	20.90	19.30	0.085	33.01	-13.71
	256-QAM	2640.0	-1.60	1 / 258	18.98	17.38	0.055	33.01	-15.63
90 MHz	π/2 BPSK	2541.0	-1.60	1 / 120	23.54	21.94	0.156	33.01	-11.07
		2593.0	-1.60	1 / 238	23.14	21.54	0.142	33.01	-11.47
		2645.0	-1.60	1 / 1	23.74	22.14	0.164	33.01	-10.87
	QPSK	2541.0	-1.60	1 / 238	23.54	21.94	0.156	33.01	-11.07
		2593.0	-1.60	1 / 238	23.34	21.74	0.149	33.01	-11.27
		2645.0	-1.60	1 / 1	23.52	21.92	0.156	33.01	-11.09
	16-QAM	2645.0	-1.60	1 / 1	22.27	20.67	0.117	33.01	-12.34
	64-QAM	2645.0	-1.60	1 / 238	20.98	19.38	0.087	33.01	-13.63
	256-QAM	2645.0	-1.60	240 / 0	18.80	17.20	0.052	33.01	-15.81
80 MHz	π/2 BPSK	2536.0	-1.60	1 / 108	23.50	21.90	0.155	33.01	-11.11
		2593.0	-1.60	1 / 108	23.58	21.98	0.158	33.01	-11.03
		2650.0	-1.60	1 / 108	23.56	21.96	0.157	33.01	-11.05
	QPSK	2536.0	-1.60	1 / 214	23.65	22.05	0.160	33.01	-10.96
		2593.0	-1.60	1 / 108	23.46	21.86	0.153	33.01	-11.15
		2650.0	-1.60	1 / 1	23.57	21.97	0.157	33.01	-11.04
	16-QAM	2650.0	-1.60	1 / 108	22.20	20.60	0.115	33.01	-12.41
	64-QAM	2650.0	-1.60	216 / 0	20.86	19.26	0.084	33.01	-13.75
	256-QAM	2650.0	-1.60	216 / 0	18.88	17.28	0.053	33.01	-15.73
60 MHz	π/2 BPSK	2526.0	-1.60	1 / 162	23.33	21.73	0.149	33.01	-11.28
		2593.0	-1.60	1 / 162	23.53	21.93	0.156	33.01	-11.08
		2660.0	-1.60	1 / 162	23.61	22.01	0.159	33.01	-11.00
	QPSK	2526.0	-1.60	1 / 162	23.23	21.63	0.146	33.01	-11.38
		2593.0	-1.60	1 / 162	23.48	21.88	0.154	33.01	-11.13
		2660.0	-1.60	1 / 1	23.29	21.69	0.148	33.01	-11.32
	16-QAM	2660.0	-1.60	1 / 162	22.61	21.01	0.126	33.01	-12.00
	64-QAM	2660.0	-1.60	1 / 162	21.27	19.67	0.093	33.01	-13.34
	256-QAM	2660.0	-1.60	1 / 81	19.13	17.53	0.057	33.01	-15.48
50 MHz	π/2 BPSK	2521.0	-1.60	1 / 64	23.60	22.00	0.159	33.01	-11.01
		2593.0	-1.60	1 / 126	23.41	21.81	0.152	33.01	-11.20
		2665.0	-1.60	1 / 126	23.83	22.23	0.167	33.01	-10.78
	QPSK	2521.0	-1.60	1 / 64	23.50	21.90	0.155	33.01	-11.11
		2593.0	-1.60	1 / 126	23.53	21.93	0.156	33.01	-11.08
		2665.0	-1.60	1 / 1	23.42	21.82	0.152	33.01	-11.19
	16-QAM	2665.0	-1.60	1 / 126	22.30	20.70	0.118	33.01	-12.31
	64-QAM	2665.0	-1.60	1 / 126	20.80	19.20	0.083	33.01	-13.81
	256-QAM	2665.0	-1.60	128 / 0	18.83	17.23	0.053	33.01	-15.78
40 MHz	π/2 BPSK	2516.0	-1.60	1 / 98	23.39	21.79	0.151	33.01	-11.22
		2593.0	-1.60	1 / 98	23.26	21.66	0.147	33.01	-11.35
		2670.0	-1.60	1 / 98	23.39	21.79	0.151	33.01	-11.22
	QPSK	2516.0	-1.60	1 / 98	23.52	21.92	0.156	33.01	-11.09
		2593.0	-1.60	1 / 50	23.20	21.60	0.145	33.01	-11.41
		2670.0	-1.60	1 / 50	23.65	22.05	0.160	33.01	-10.96
	16-QAM	2670.0	-1.60	1 / 50	22.49	20.89	0.123	33.01	-12.12
	64-QAM	2593.0	-1.60	1 / 1	20.82	19.22	0.083	33.01	-13.79
	256-QAM	2670.0	-1.60	1 / 1	18.75	17.15	0.052	33.01	-15.86
20 MHz	π/2 BPSK	2506.0	-1.60	1 / 25	23.20	21.60	0.144	33.01	-11.41
		2593.0	-1.60	1 / 48	23.48	21.88	0.154	33.01	-11.13
		2680.0	-1.60	1 / 1	23.49	21.89	0.155	33.01	-11.12
	QPSK	2506.0	-1.60	1 / 48	23.65	22.05	0.160	33.01	-10.96
		2593.0	-1.60	1 / 25	23.45	21.85	0.153	33.01	-11.16
		2680.0	-1.60	1 / 25	23.38	21.78	0.151	33.01	-11.23
	16-QAM	2593.0	-1.60	1 / 1	22.32	20.72	0.118	33.01	-12.29
	64-QAM	2593.0	-1.60	1 / 1	20.83	19.23	0.084	33.01	-13.78
	256-QAM	2680.0	-1.60	50 / 0	18.79	17.19	0.052	33.01	-15.82

Table 7-23. EIRP Data (NR Band n41(PC2) – DFT-s OFDM)

FCC ID: BCGA2379	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device		Page 162 of 224

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]
100 MHz	π/2 BPSK	2546.0	-1.60	1 / 135	22.38	20.78	0.120	33.01	-12.23
		2593.0	-1.60	1 / 258	22.39	20.79	0.120	33.01	-12.22
		2640.0	-1.60	1 / 258	22.70	21.10	0.129	33.01	-11.91
	QPSK	2546.0	-1.60	1 / 135	22.21	20.61	0.115	33.01	-12.40
		2593.0	-1.60	1 / 135	22.24	20.64	0.116	33.01	-12.37
		2640.0	-1.60	1 / 1	22.28	20.68	0.117	33.01	-12.33
	16-QAM	2593.0	-1.60	1 / 135	21.61	20.01	0.100	33.01	-13.00
	64-QAM	2546.0	-1.60	1 / 258	20.32	18.72	0.075	33.01	-14.29
	256-QAM	2640.0	-1.60	1 / 258	17.77	16.17	0.041	33.01	-16.84
90 MHz	π/2 BPSK	2541.0	-1.60	1 / 120	22.32	20.72	0.118	33.01	-12.29
		2593.0	-1.60	1 / 238	22.37	20.77	0.119	33.01	-12.24
		2645.0	-1.60	1 / 1	22.24	20.64	0.116	33.01	-12.37
	QPSK	2541.0	-1.60	1 / 238	22.03	20.43	0.110	33.01	-12.58
		2593.0	-1.60	1 / 238	22.14	20.54	0.113	33.01	-12.47
		2645.0	-1.60	1 / 238	22.69	21.09	0.129	33.01	-11.92
	16-QAM	2541.0	-1.60	1 / 238	21.68	20.08	0.102	33.01	-12.93
	64-QAM	2645.0	-1.60	1 / 238	20.22	18.62	0.073	33.01	-14.39
	256-QAM	2645.0	-1.60	1 / 238	17.78	16.18	0.041	33.01	-16.83
80 MHz	π/2 BPSK	2536.0	-1.60	1 / 214	22.27	20.67	0.117	33.01	-12.34
		2593.0	-1.60	1 / 214	22.42	20.82	0.121	33.01	-12.19
		2650.0	-1.60	1 / 1	22.45	20.85	0.122	33.01	-12.16
	QPSK	2536.0	-1.60	1 / 108	22.15	20.55	0.114	33.01	-12.46
		2593.0	-1.60	1 / 214	22.23	20.63	0.116	33.01	-12.38
		2650.0	-1.60	1 / 214	22.32	20.72	0.118	33.01	-12.29
	16-QAM	2650.0	-1.60	1 / 214	21.63	20.03	0.101	33.01	-12.98
	64-QAM	2650.0	-1.60	1 / 214	20.21	18.61	0.073	33.01	-14.40
	256-QAM	2536.0	-1.60	216 / 0	17.60	16.00	0.040	33.01	-17.01
60 MHz	π/2 BPSK	2526.0	-1.60	1 / 162	22.24	20.64	0.116	33.01	-12.37
		2593.0	-1.60	1 / 1	22.66	21.06	0.128	33.01	-11.95
		2660.0	-1.60	1 / 81	22.39	20.79	0.120	33.01	-12.22
	QPSK	2526.0	-1.60	1 / 81	22.36	20.76	0.119	33.01	-12.25
		2593.0	-1.60	1 / 81	22.19	20.59	0.114	33.01	-12.42
		2660.0	-1.60	1 / 162	22.32	20.72	0.118	33.01	-12.29
	16-QAM	2593.0	-1.60	1 / 1	21.95	20.35	0.108	33.01	-12.66
	64-QAM	2660.0	-1.60	1 / 162	20.31	18.71	0.074	33.01	-14.30
	256-QAM	2526.0	-1.60	162 / 0	17.56	15.96	0.039	33.01	-17.05
50 MHz	π/2 BPSK	2521.0	-1.60	1 / 64	22.16	20.56	0.114	33.01	-12.45
		2593.0	-1.60	1 / 1	22.34	20.74	0.119	33.01	-12.27
		2665.0	-1.60	1 / 126	22.13	20.53	0.113	33.01	-12.48
	QPSK	2521.0	-1.60	1 / 64	22.09	20.49	0.112	33.01	-12.52
		2593.0	-1.60	1 / 64	22.14	20.54	0.113	33.01	-12.47
		2665.0	-1.60	1 / 126	22.13	20.53	0.113	33.01	-12.48
	16-QAM	2665.0	-1.60	1 / 126	21.36	19.76	0.095	33.01	-13.25
	64-QAM	2521.0	-1.60	1 / 126	19.57	17.97	0.063	33.01	-15.04
	256-QAM	2665.0	-1.60	1 / 126	17.73	16.13	0.041	33.01	-16.88
40 MHz	π/2 BPSK	2516.0	-1.60	1 / 50	21.92	20.32	0.108	33.01	-12.69
		2593.0	-1.60	1 / 1	21.96	20.36	0.109	33.01	-12.65
		2670.0	-1.60	1 / 50	21.98	20.38	0.109	33.01	-12.63
	QPSK	2516.0	-1.60	1 / 98	21.89	20.29	0.107	33.01	-12.72
		2593.0	-1.60	1 / 1	21.97	20.37	0.109	33.01	-12.64
		2670.0	-1.60	1 / 98	22.17	20.57	0.114	33.01	-12.44
	16-QAM	2670.0	-1.60	1 / 98	21.70	20.10	0.102	33.01	-12.91
	64-QAM	2670.0	-1.60	1 / 98	19.74	18.14	0.065	33.01	-14.87
	256-QAM	2670.0	-1.60	1 / 98	17.79	16.19	0.042	33.01	-16.82
20 MHz	π/2 BPSK	2506.0	-1.60	1 / 48	22.20	20.60	0.115	33.01	-12.41
		2593.0	-1.60	1 / 1	22.18	20.58	0.114	33.01	-12.43
		2680.0	-1.60	1 / 1	22.12	20.52	0.113	33.01	-12.49
	QPSK	2506.0	-1.60	1 / 48	22.12	20.52	0.113	33.01	-12.49
		2593.0	-1.60	1 / 48	21.75	20.15	0.104	33.01	-12.86
		2680.0	-1.60	1 / 48	22.07	20.47	0.111	33.01	-12.54
	16-QAM	2593.0	-1.60	1 / 1	21.51	19.91	0.098	33.01	-13.10
	64-QAM	2680.0	-1.60	1 / 48	19.61	18.01	0.063	33.01	-15.00
	256-QAM	2680.0	-1.60	1 / 1	17.75	16.15	0.041	33.01	-16.86

Table 7-24. EIRP Data (NR Band n41(PC3) – DFT-s OFDM)

FCC ID: BCGA2379	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device		Page 163 of 224

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7.6.4 Antenna 4a – EIRP

NR Band n77(PC2)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	π/2 BPSK	3750.0	1.40	1 / 258	26.82	28.22	0.663	33.01	-4.79
		3840.0	1.40	1 / 135	26.78	28.18	0.658	33.01	-4.83
		3930.0	1.40	1 / 135	26.79	28.19	0.659	33.01	-4.82
	QPSK	3750.0	1.40	1 / 258	26.71	28.11	0.647	33.01	-4.90
		3840.0	1.40	1 / 135	26.72	28.12	0.648	33.01	-4.89
		3930.0	1.40	270 / 0	26.47	27.87	0.613	33.01	-5.14
	16-QAM	3840.0	1.40	1 / 135	26.10	27.50	0.562	33.01	-5.51
	64-QAM	3750.0	1.40	1 / 1	25.12	26.52	0.449	33.01	-6.49
90 MHz	π/2 BPSK	3840.0	1.40	1 / 1	23.42	24.82	0.304	33.01	-8.19
		3745.0	1.40	1 / 238	26.74	28.14	0.652	33.01	-4.87
		3840.0	1.40	1 / 238	26.87	28.27	0.672	33.01	-4.74
	QPSK	3935.0	1.40	1 / 1	26.55	27.95	0.623	33.01	-5.06
		3745.0	1.40	1 / 1	26.77	28.17	0.656	33.01	-4.84
		3840.0	1.40	1 / 238	26.66	28.06	0.639	33.01	-4.95
	16-QAM	3935.0	1.40	1 / 1	26.51	27.91	0.618	33.01	-5.10
	256-QAM	3840.0	1.40	1 / 238	25.88	27.28	0.534	33.01	-5.73
80 MHz	π/2 BPSK	3745.0	1.40	1 / 238	25.37	26.77	0.475	33.01	-6.24
		3840.0	1.40	1 / 238	23.60	25.00	0.316	33.01	-8.01
		3740.0	1.40	1 / 214	26.94	28.34	0.682	33.01	-4.67
	QPSK	3840.0	1.40	1 / 214	26.77	28.17	0.656	33.01	-4.84
		3940.0	1.40	1 / 108	26.62	28.02	0.633	33.01	-4.99
		3740.0	1.40	1 / 214	26.97	28.37	0.687	33.01	-4.64
	16-QAM	3840.0	1.40	1 / 1	26.92	28.32	0.680	33.01	-4.69
	256-QAM	3940.0	1.40	1 / 108	26.56	27.96	0.625	33.01	-5.05
60 MHz	π/2 BPSK	3840.0	1.40	1 / 1	26.11	27.51	0.564	33.01	-5.50
		3840.0	1.40	1 / 108	25.24	26.64	0.462	33.01	-6.37
		3840.0	1.40	1 / 108	23.46	24.86	0.306	33.01	-8.15
	QPSK	3730.0	1.40	1 / 162	26.76	28.16	0.654	33.01	-4.85
		3840.0	1.40	1 / 81	26.95	28.35	0.684	33.01	-4.66
		3950.0	1.40	1 / 81	26.68	28.08	0.643	33.01	-4.93
	16-QAM	3730.0	1.40	1 / 81	26.66	28.06	0.640	33.01	-4.95
	256-QAM	3950.0	1.40	1 / 81	26.53	27.93	0.620	33.01	-5.09
50 MHz	π/2 BPSK	3730.0	1.40	1 / 162	23.59	24.99	0.316	33.01	-8.02
		3725.0	1.40	1 / 126	26.69	28.09	0.644	33.01	-4.92
		3840.0	1.40	1 / 64	26.88	28.28	0.673	33.01	-4.73
	QPSK	3955.0	1.40	1 / 1	26.57	27.97	0.627	33.01	-5.04
		3725.0	1.40	1 / 126	26.62	28.02	0.633	33.01	-4.99
		3840.0	1.40	1 / 126	26.90	28.30	0.675	33.01	-4.71
	16-QAM	3955.0	1.40	1 / 1	26.57	27.97	0.627	33.01	-5.04
	256-QAM	3725.0	1.40	1 / 126	26.21	27.61	0.577	33.01	-5.40
40 MHz	π/2 BPSK	3840.0	1.40	1 / 126	25.17	26.57	0.454	33.01	-6.44
		3725.0	1.40	1 / 126	23.54	24.94	0.312	33.01	-8.07
		3720.0	1.40	1 / 50	26.52	27.92	0.620	33.01	-5.09
	QPSK	3840.0	1.40	1 / 50	26.89	28.29	0.674	33.01	-4.72
		3960.0	1.40	1 / 50	26.33	27.73	0.593	33.01	-5.28
		3720.0	1.40	1 / 1	26.61	28.01	0.632	33.01	-5.00
	16-QAM	3840.0	1.40	1 / 1	26.51	27.91	0.617	33.01	-5.10
	256-QAM	3960.0	1.40	1 / 98	26.68	28.08	0.642	33.01	-4.93
20 MHz	π/2 BPSK	3840.0	1.40	1 / 1	26.21	27.61	0.577	33.01	-5.40
		3840.0	1.40	1 / 98	25.19	26.59	0.457	33.01	-6.42
		3720.0	1.40	1 / 1	23.51	24.91	0.310	33.01	-8.10
	QPSK	3710.0	1.40	1 / 25	26.44	27.84	0.608	33.01	-5.17
		3840.0	1.40	1 / 25	26.68	28.08	0.642	33.01	-4.93
		3970.0	1.40	1 / 25	26.29	27.69	0.587	33.01	-5.32
	16-QAM	3710.0	1.40	1 / 1	26.45	27.85	0.609	33.01	-5.16
	256-QAM	3840.0	1.40	1 / 1	26.55	27.95	0.623	33.01	-5.06
20 MHz	π/2 BPSK	3970.0	1.40	1 / 1	26.10	27.50	0.562	33.01	-5.51
		3840.0	1.40	1 / 1	25.85	27.25	0.531	33.01	-5.76
		3710.0	1.40	1 / 1	24.89	26.29	0.426	33.01	-6.72
	256-QAM	3840.0	1.40	1 / 1	23.37	24.77	0.300	33.01	-8.24

Table 7-25. EIRP Data (NR Band n77(PC2) – DFT-s OFDM)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device
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NR Band n77(PC3)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	π/2 BPSK	3750.0	1.40	1 / 258	25.62	27.02	0.503	33.01	-5.99
		3840.0	1.40	1 / 135	25.68	27.08	0.511	33.01	-5.93
		3930.0	1.40	1 / 1	25.63	27.03	0.504	33.01	-5.98
	QPSK	3750.0	1.40	1 / 1	25.30	26.70	0.468	33.01	-6.31
		3840.0	1.40	1 / 258	25.70	27.10	0.513	33.01	-5.91
		3930.0	1.40	1 / 1	25.65	27.05	0.507	33.01	-5.96
	16-QAM	3840.0	1.40	1 / 135	24.50	25.90	0.389	33.01	-7.11
	64-QAM	3840.0	1.40	1 / 135	23.08	24.48	0.280	33.01	-8.54
256-QAM	3840.0	1.40	270 / 0	21.06	22.46	0.176	33.01	-10.55	
90 MHz	π/2 BPSK	3745.0	1.40	1 / 1	25.55	26.95	0.495	33.01	-6.06
		3840.0	1.40	1 / 1	25.30	26.70	0.467	33.01	-6.32
		3935.0	1.40	1 / 120	25.42	26.82	0.481	33.01	-6.19
	QPSK	3745.0	1.40	1 / 120	25.58	26.98	0.499	33.01	-6.03
		3840.0	1.40	1 / 1	25.53	26.93	0.493	33.01	-6.08
		3935.0	1.40	1 / 120	25.46	26.86	0.486	33.01	-6.15
	16-QAM	3745.0	1.40	1 / 120	24.50	25.90	0.389	33.01	-7.11
	64-QAM	3840.0	1.40	1 / 120	23.12	24.52	0.283	33.01	-8.49
256-QAM	3840.0	1.40	240 / 0	20.96	22.36	0.172	33.01	-10.65	
80 MHz	π/2 BPSK	3740.0	1.40	1 / 1	25.57	26.97	0.498	33.01	-6.04
		3840.0	1.40	1 / 108	25.48	26.88	0.488	33.01	-6.13
		3940.0	1.40	1 / 108	25.35	26.75	0.473	33.01	-6.26
	QPSK	3740.0	1.40	1 / 214	25.55	26.95	0.495	33.01	-6.07
		3840.0	1.40	1 / 108	25.67	27.07	0.509	33.01	-5.95
		3940.0	1.40	1 / 108	25.51	26.91	0.491	33.01	-6.10
	16-QAM	3740.0	1.40	1 / 108	24.67	26.07	0.404	33.01	-6.94
	64-QAM	3840.0	1.40	216 / 0	22.93	24.33	0.271	33.01	-8.68
256-QAM	3840.0	1.40	216 / 0	20.93	22.33	0.171	33.01	-10.68	
60 MHz	π/2 BPSK	3730.0	1.40	1 / 1	25.14	26.54	0.451	33.01	-6.47
		3840.0	1.40	1 / 81	25.33	26.73	0.471	33.01	-6.28
		3950.0	1.40	1 / 81	25.70	27.10	0.513	33.01	-5.91
	QPSK	3730.0	1.40	1 / 162	25.43	26.83	0.482	33.01	-6.18
		3840.0	1.40	1 / 162	25.54	26.94	0.495	33.01	-6.07
		3950.0	1.40	1 / 81	25.26	26.66	0.464	33.01	-6.35
	16-QAM	3730.0	1.40	1 / 81	24.36	25.76	0.376	33.01	-7.25
	64-QAM	3730.0	1.40	1 / 81	22.87	24.27	0.267	33.01	-8.74
256-QAM	3840.0	1.40	162 / 0	20.88	22.28	0.169	33.01	-10.73	
50 MHz	π/2 BPSK	3725.0	1.40	1 / 64	25.41	26.81	0.480	33.01	-6.20
		3840.0	1.40	1 / 64	25.65	27.05	0.507	33.01	-5.96
		3955.0	1.40	1 / 126	25.41	26.81	0.479	33.01	-6.20
	QPSK	3725.0	1.40	1 / 1	25.35	26.75	0.474	33.01	-6.26
		3840.0	1.40	1 / 64	25.43	26.83	0.482	33.01	-6.18
		3955.0	1.40	1 / 126	25.59	26.99	0.500	33.01	-6.02
	16-QAM	3725.0	1.40	1 / 1	24.43	25.83	0.383	33.01	-7.18
	64-QAM	3840.0	1.40	1 / 126	22.73	24.13	0.259	33.01	-8.88
256-QAM	3840.0	1.40	128 / 0	20.76	22.16	0.165	33.01	-10.85	
40 MHz	π/2 BPSK	3720.0	1.40	1 / 50	25.23	26.63	0.460	33.01	-6.38
		3840.0	1.40	1 / 98	25.43	26.83	0.482	33.01	-6.18
		3960.0	1.40	1 / 98	25.16	26.56	0.453	33.01	-6.45
	QPSK	3720.0	1.40	1 / 98	25.17	26.57	0.454	33.01	-6.44
		3840.0	1.40	1 / 98	25.42	26.82	0.481	33.01	-6.19
		3960.0	1.40	1 / 98	25.02	26.42	0.438	33.01	-6.59
	16-QAM	3840.0	1.40	1 / 98	24.34	25.74	0.375	33.01	-7.27
	64-QAM	3840.0	1.40	1 / 1	22.73	24.13	0.259	33.01	-8.88
256-QAM	3960.0	1.40	1 / 98	20.87	22.27	0.169	33.01	-10.74	
20 MHz	π/2 BPSK	3710.0	1.40	1 / 1	25.14	26.54	0.451	33.01	-6.47
		3840.0	1.40	1 / 25	25.33	26.73	0.471	33.01	-6.28
		3970.0	1.40	1 / 25	25.40	26.80	0.479	33.01	-6.21
	QPSK	3710.0	1.40	1 / 48	25.13	26.53	0.450	33.01	-6.48
		3840.0	1.40	1 / 25	25.28	26.68	0.466	33.01	-6.33
		3970.0	1.40	1 / 25	25.26	26.66	0.464	33.01	-6.35
	16-QAM	3710.0	1.40	1 / 25	24.36	25.76	0.376	33.01	-7.25
	64-QAM	3710.0	1.40	1 / 25	22.87	24.27	0.267	33.01	-8.74
256-QAM	3840.0	1.40	50 / 0	20.88	22.28	0.169	33.01	-10.73	

Table 7-26. EIRP Data (NR Band n77(PC3) – DFT-s OFDM)

FCC ID: BCGA2379	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device		Page 165 of 224

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7.6.5 Antenna 2b – EIRP

LTE Band 30

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	QPSK	2310.0	-0.90	1 / 1	20.83	19.93	0.098	23.98	-4.05
	16-QAM	2310.0	-0.90	1 / 1	20.57	19.67	0.093	23.98	-4.31
	64-QAM	2310.0	-0.90	1 / 49	21.03	20.13	0.103	23.98	-3.85
	256-QAM	2310.0	-0.90	50 / 0	20.46	19.56	0.090	23.98	-4.42
5 MHz	QPSK	2307.5	-0.90	1 / 1	20.67	19.77	0.095	23.98	-4.21
		2312.5	-0.90	1 / 1	20.70	19.80	0.095	23.98	-4.18
	16-QAM	2307.5	-0.90	1 / 1	20.70	19.80	0.095	23.98	-4.18
	64-QAM	2307.5	-0.90	1 / 24	20.58	19.68	0.093	23.98	-4.30
	256-QAM	2312.5	-0.90	1 / 24	20.92	20.02	0.100	23.98	-3.96

Table 7-27. EIRP Data (LTE Band 30)

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]
20 MHz	QPSK	2510.0	-1.90	100 / 0	21.88	19.98	0.100	33.01	-13.03
		2535.0	-1.90	1 / 1	22.56	20.66	0.116	33.01	-12.35
		2560.0	-1.90	1 / 1	22.70	20.80	0.120	33.01	-12.21
	16-QAM	2535.0	-1.90	1 / 1	22.05	20.15	0.104	33.01	-12.86
	64-QAM	2535.0	-1.90	1 / 1	21.26	19.36	0.086	33.01	-13.65
	256-QAM	2535.0	-1.90	1 / 99	18.80	16.90	0.049	33.01	-16.11
15 MHz	QPSK	2507.5	-1.90	1 / 1	21.82	19.92	0.098	33.01	-13.09
		2535.0	-1.90	1 / 1	22.70	20.80	0.120	33.01	-12.21
		2562.5	-1.90	1 / 1	22.70	20.80	0.120	33.01	-12.21
	16-QAM	2535.0	-1.90	1 / 1	22.18	20.28	0.107	33.01	-12.73
	64-QAM	2535.0	-1.90	1 / 1	20.82	18.92	0.078	33.01	-14.09
	256-QAM	2535.0	-1.90	1 / 74	18.48	16.58	0.045	33.01	-16.43
10 MHz	QPSK	2505.0	-1.90	1 / 25	21.91	20.01	0.100	33.01	-13.00
		2535.0	-1.90	1 / 25	22.64	20.74	0.119	33.01	-12.27
		2565.0	-1.90	1 / 49	22.64	20.74	0.119	33.01	-12.27
	16-QAM	2535.0	-1.90	1 / 25	22.07	20.17	0.104	33.01	-12.84
	64-QAM	2535.0	-1.90	1 / 25	21.46	19.56	0.090	33.01	-13.45
	256-QAM	2535.0	-1.90	1 / 25	18.48	16.58	0.045	33.01	-16.43
5 MHz	QPSK	2502.5	-1.90	1 / 1	21.83	19.93	0.098	33.01	-13.08
		2535.0	-1.90	1 / 24	22.70	20.80	0.120	33.01	-12.21
		2567.5	-1.90	1 / 1	22.63	20.73	0.118	33.01	-12.28
	16-QAM	2567.5	-1.90	1 / 12	22.14	20.24	0.106	33.01	-12.77
	64-QAM	2567.5	-1.90	1 / 1	21.08	19.18	0.083	33.01	-13.83
	256-QAM	2567.5	-1.90	1 / 12	18.85	16.95	0.050	33.01	-16.06

Table 7-28. EIRP Data (LTE Band 7)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality 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]
20 MHz	QPSK	2506.0	-1.60	1 / 50	24.68	23.08	0.203	33.01	-9.93
		2593.0	-1.60	1 / 99	24.48	22.88	0.194	33.01	-10.13
		2680.0	-1.60	1 / 99	24.54	22.94	0.197	33.01	-10.07
	16-QAM	2506.0	-1.60	1 / 99	24.24	22.64	0.184	33.01	-10.37
	64-QAM	2593.0	-1.60	1 / 99	23.33	21.73	0.149	33.01	-11.28
	256-QAM	2506.0	-1.60	100 / 0	20.34	18.74	0.075	33.01	-14.27
15 MHz	QPSK	2503.5	-1.60	1 / 37	24.70	23.10	0.204	33.01	-9.91
		2593.0	-1.60	1 / 74	24.53	22.93	0.196	33.01	-10.08
		2682.5	-1.60	1 / 74	24.58	22.98	0.199	33.01	-10.03
	16-QAM	2503.5	-1.60	1 / 37	24.35	22.75	0.188	33.01	-10.26
	64-QAM	2593.0	-1.60	1 / 74	23.14	21.54	0.143	33.01	-11.47
	256-QAM	2503.5	-1.60	75 / 0	20.33	18.73	0.075	33.01	-14.28
10 MHz	QPSK	2501.0	-1.60	1 / 49	24.70	23.10	0.204	33.01	-9.91
		2593.0	-1.60	1 / 25	24.45	22.85	0.193	33.01	-10.16
		2685.0	-1.60	1 / 49	24.51	22.91	0.195	33.01	-10.10
	16-QAM	2685.0	-1.60	1 / 25	24.15	22.55	0.180	33.01	-10.46
	64-QAM	2501.0	-1.60	1 / 49	23.05	21.45	0.140	33.01	-11.56
	256-QAM	2501.0	-1.60	50 / 0	20.44	18.84	0.077	33.01	-14.17
5 MHz	QPSK	2498.5	-1.60	1 / 12	24.70	23.10	0.204	33.01	-9.91
		2593.0	-1.60	1 / 24	24.51	22.91	0.195	33.01	-10.10
		2687.5	-1.60	1 / 24	24.56	22.96	0.198	33.01	-10.05
	16-QAM	2498.5	-1.60	1 / 12	23.92	22.32	0.171	33.01	-10.69
	64-QAM	2498.5	-1.60	1 / 12	23.54	21.94	0.156	33.01	-11.07
	256-QAM	2498.5	-1.60	1 / 12	20.54	18.94	0.078	33.01	-14.07

Table 7-29. EIRP Data (LTE Band 41(PC2))

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality 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]
20 MHz	QPSK	2506.0	-1.60	1 / 50	22.40	20.80	0.120	33.01	-12.21
		2593.0	-1.60	1 / 50	22.32	20.72	0.118	33.01	-12.29
		2680.0	-1.60	1 / 50	22.40	20.80	0.120	33.01	-12.21
	16-QAM	2506.0	-1.60	1 / 1	21.81	20.21	0.105	33.01	-12.80
	64-QAM	2680.0	-1.60	100 / 0	20.43	18.83	0.076	33.01	-14.18
	256-QAM	2506.0	-1.60	1 / 99	20.77	19.17	0.083	33.01	-13.84
15 MHz	QPSK	2503.5	-1.60	1 / 1	22.39	20.79	0.120	33.01	-12.22
		2593.0	-1.60	1 / 1	22.30	20.70	0.117	33.01	-12.31
		2682.5	-1.60	1 / 74	22.40	20.80	0.120	33.01	-12.21
	16-QAM	2593.0	-1.60	1 / 74	21.44	19.84	0.096	33.01	-13.17
	64-QAM	2682.5	-1.60	75 / 0	20.43	18.83	0.076	33.01	-14.18
	256-QAM	2503.5	-1.60	1 / 74	21.14	19.54	0.090	33.01	-13.47
10 MHz	QPSK	2501.0	-1.60	1 / 1	22.36	20.76	0.119	33.01	-12.25
		2593.0	-1.60	1 / 49	22.38	20.78	0.120	33.01	-12.23
		2685.0	-1.60	1 / 1	22.40	20.80	0.120	33.01	-12.21
	16-QAM	2593.0	-1.60	1 / 49	21.48	19.88	0.097	33.01	-13.13
	64-QAM	2501.0	-1.60	1 / 25	20.39	18.79	0.076	33.01	-14.22
	256-QAM	2685.0	-1.60	1 / 49	20.77	19.17	0.083	33.01	-13.84
5 MHz	QPSK	2498.5	-1.60	1 / 1	22.40	20.80	0.120	33.01	-12.21
		2593.0	-1.60	1 / 1	22.38	20.78	0.120	33.01	-12.23
		2687.5	-1.60	1 / 12	22.39	20.79	0.120	33.01	-12.22
	16-QAM	2687.5	-1.60	1 / 24	21.42	19.82	0.096	33.01	-13.19
	64-QAM	2498.5	-1.60	1 / 1	20.42	18.82	0.076	33.01	-14.19
	256-QAM	2498.5	-1.60	1 / 24	21.15	19.55	0.090	33.01	-13.46

Table 7-30. EIRP Data (LTE Band 41(PC3))

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 168 of 224

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ULCA LTE Band 7

Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCATx. 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	22.70	-1.90	20.80	0.120	33.01	-12.21
				21100	2535.0	1	99		21288	2554.8	1	0	22.70	-1.90	20.80	0.120	33.01	-12.21
			QPSK	21350	2560.0	1	0	21152	2540.2	1	99	22.61	-1.90	20.71	0.118	33.01	-12.30	
				20850	2510	100	0	QPSK	21048	2529.8	100	0	21.56	-1.90	19.66	0.092	33.01	-13.35
			16-QAM	20850	2510	100	0	16-QAM	21048	2529.8	100	0	20.60	-1.90	18.70	0.074	33.01	-14.31
			64-QAM	20850	2510	100	0	64-QAM	21048	2529.8	100	0	20.58	-1.90	18.68	0.074	33.01	-14.33
			256-QAM	20850	2510	100	0	256-QAM	21048	2529.8	100	0	17.64	-1.90	15.74	0.037	33.01	-17.27

Table 7-235. Conducted Power Data (ULCA LTE Band 7)

ULCA LTE Band 41(PC2)

Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCATx. 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	24.89	-1.60	23.29	0.213	33.01	-9.72
				40620	2593.0	1	99		40818	2612.8	1	0	25.00	-1.60	23.40	0.219	33.01	-9.61
			QPSK	41490	2680.0	1	0	QPSK	41292	2660.2	1	99	24.81	-1.60	23.21	0.209	33.01	-9.80
				40620	2593	100	0		40818	2612.8	100	0	23.00	-1.60	21.40	0.138	33.01	-11.61
			16-QAM	40620	2593	100	0	16-QAM	40818	2612.8	100	0	21.95	-1.60	20.35	0.108	33.01	-12.66
			64-QAM	40620	2593	100	0	64-QAM	40818	2612.8	100	0	21.82	-1.60	20.22	0.105	33.01	-12.79
			256-QAM	40620	2593	100	0	256-QAM	40818	2612.8	100	0	19.83	-1.60	18.23	0.067	33.01	-14.78

Table 7-236. Conducted Power Data (ULCA LTE Band 41(PC2))

ULCA LTE Band 41(PC3)

Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCATx. 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	22.70	-1.60	21.10	0.129	33.01	-11.91
				40620	2593.0	1	99		40818	2612.8	1	0	22.70	-1.60	21.10	0.129	33.01	-11.91
			QPSK	41490	2680.0	1	0	QPSK	41292	2660.2	1	99	22.70	-1.60	21.10	0.129	33.01	-11.91
				39750	2506	100	0		39948	2525.8	100	0	21.80	-1.60	20.20	0.105	33.01	-12.81
			16-QAM	39750	2506	100	0	16-QAM	39948	2525.8	100	0	20.83	-1.60	19.23	0.084	33.01	-13.78
			64-QAM	39750	2506	100	0	64-QAM	39948	2525.8	100	0	20.45	-1.60	18.85	0.077	33.01	-14.16
			256-QAM	39750	2506	100	0	256-QAM	39948	2525.8	100	0	17.90	-1.60	16.30	0.043	33.01	-16.71

Table 7-237. Conducted Power Data (ULCA LTE Band 41(PC3))

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 169 of 224

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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]
100 MHz	π/2 BPSK	2546.0	-1.90	1 / 258	26.87	24.97	0.314	33.01	-8.05
		2593.0	-1.90	270 / 0	26.97	25.07	0.322	33.01	-7.94
		2640.0	-1.90	1 / 135	26.99	25.09	0.323	33.01	-7.92
	QPSK	2546.0	-1.90	1 / 258	26.68	24.78	0.301	33.01	-8.23
		2593.0	-1.90	270 / 0	26.97	25.07	0.321	33.01	-7.94
		2640.0	-1.90	1 / 1	27.00	25.10	0.324	33.01	-7.91
	16-QAM	2546.0	-1.90	1 / 258	26.11	24.21	0.263	33.01	-8.80
	64-QAM	2593.0	-1.90	1 / 258	25.31	23.41	0.219	33.01	-9.60
90 MHz	π/2 BPSK	2546.0	-1.90	1 / 135	23.76	21.86	0.153	33.01	-11.15
		2541.0	-1.90	1 / 120	26.94	25.04	0.319	33.01	-7.97
		2593.0	-1.90	1 / 120	27.00	25.10	0.323	33.01	-7.91
	QPSK	2645.0	-1.90	1 / 238	27.00	25.10	0.324	33.01	-7.91
		2541.0	-1.90	1 / 120	26.81	24.91	0.310	33.01	-8.10
		2593.0	-1.90	1 / 120	26.80	24.90	0.309	33.01	-8.11
	16-QAM	2645.0	-1.90	1 / 238	26.68	24.78	0.301	33.01	-8.23
	64-QAM	2645.0	-1.90	1 / 1	26.14	24.24	0.265	33.01	-8.77
80 MHz	π/2 BPSK	2536.0	-1.90	1 / 120	25.49	23.59	0.229	33.01	-9.42
		2593.0	-1.90	1 / 120	23.73	21.83	0.153	33.01	-11.18
		2536.0	-1.90	1 / 214	26.73	24.83	0.304	33.01	-8.18
	QPSK	2593.0	-1.90	1 / 108	26.76	24.86	0.307	33.01	-8.15
		2650.0	-1.90	1 / 1	26.93	25.03	0.318	33.01	-7.98
		2536.0	-1.90	1 / 214	26.96	25.06	0.321	33.01	-7.95
	16-QAM	2593.0	-1.90	1 / 214	26.97	25.07	0.322	33.01	-7.94
	64-QAM	2650.0	-1.90	1 / 214	27.00	25.10	0.324	33.01	-7.91
60 MHz	π/2 BPSK	2593.0	-1.90	1 / 108	26.07	24.17	0.262	33.01	-8.84
		2536.0	-1.90	1 / 214	25.44	23.54	0.226	33.01	-9.47
		2593.0	-1.90	1 / 214	23.87	21.97	0.157	33.01	-11.04
	QPSK	2526.0	-1.90	1 / 162	26.88	24.98	0.315	33.01	-8.03
		2593.0	-1.90	1 / 81	27.00	25.10	0.324	33.01	-7.91
		2660.0	-1.90	162 / 0	26.94	25.04	0.319	33.01	-7.97
	16-QAM	2526.0	-1.90	1 / 81	26.91	25.01	0.317	33.01	-8.00
	64-QAM	2593.0	-1.90	162 / 0	26.93	25.03	0.319	33.01	-7.98
50 MHz	π/2 BPSK	2660.0	-1.90	162 / 0	26.95	25.05	0.320	33.01	-7.96
		2593.0	-1.90	1 / 81	26.12	24.22	0.264	33.01	-8.80
		2526.0	-1.90	1 / 162	25.39	23.49	0.223	33.01	-9.52
	QPSK	2526.0	-1.90	1 / 162	23.80	21.90	0.155	33.01	-11.11
		2521.0	-1.90	1 / 126	26.91	25.01	0.317	33.01	-8.00
		2593.0	-1.90	128 / 0	26.88	24.98	0.315	33.01	-8.03
	16-QAM	2665.0	-1.90	1 / 126	26.99	25.09	0.323	33.01	-7.92
	64-QAM	2521.0	-1.90	1 / 64	27.00	25.10	0.324	33.01	-7.91
40 MHz	π/2 BPSK	2593.0	-1.90	128 / 0	26.87	24.97	0.314	33.01	-8.04
		2665.0	-1.90	1 / 1	26.97	25.07	0.322	33.01	-7.94
		2521.0	-1.90	1 / 64	25.97	24.07	0.255	33.01	-8.94
	QPSK	2593.0	-1.90	1 / 64	25.37	23.47	0.222	33.01	-9.54
		2665.0	-1.90	1 / 1	24.01	22.11	0.163	33.01	-10.90
		2521.0	-1.90	1 / 50	26.89	24.99	0.315	33.01	-8.02
	16-QAM	2593.0	-1.90	100 / 0	26.92	25.02	0.317	33.01	-7.99
	64-QAM	2670.0	-1.90	1 / 98	27.00	25.10	0.324	33.01	-7.91
20 MHz	π/2 BPSK	2516.0	-1.90	1 / 98	26.95	25.05	0.320	33.01	-7.96
		2593.0	-1.90	100 / 0	26.88	24.98	0.315	33.01	-8.03
		2670.0	-1.90	100 / 0	26.89	24.99	0.315	33.01	-8.03
	QPSK	2593.0	-1.90	1 / 98	26.06	24.16	0.260	33.01	-8.85
		2593.0	-1.90	1 / 98	25.38	23.48	0.223	33.01	-9.53
		2670.0	-1.90	1 / 98	23.59	21.69	0.147	33.01	-11.32
	16-QAM	2506.0	-1.90	1 / 48	26.04	24.14	0.260	33.01	-8.87
	64-QAM	2593.0	-1.90	1 / 48	26.47	24.57	0.286	33.01	-8.44
20 MHz	π/2 BPSK	2680.0	-1.90	1 / 1	26.43	24.53	0.284	33.01	-8.48
		2506.0	-1.90	1 / 25	26.02	24.12	0.258	33.01	-8.90
		2593.0	-1.90	1 / 48	26.44	24.54	0.284	33.01	-8.47
	QPSK	2680.0	-1.90	1 / 25	26.43	24.53	0.284	33.01	-8.48
		2593.0	-1.90	1 / 1	25.59	23.69	0.234	33.01	-9.32
		2593.0	-1.90	1 / 1	24.84	22.94	0.197	33.01	-10.07
	16-QAM	2593.0	-1.90	1 / 1	23.35	21.45	0.140	33.01	-11.56
	64-QAM	2593.0	-1.90	1 / 1	23.35	21.45	0.140	33.01	-11.56

Table 7-31. EIRP Data (NR Band n41(PC2) – DFT-s OFDM)

FCC ID: BCGA2379	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 170 of 224

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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]
100 MHz	π/2 BPSK	2546.0	-1.90	1 / 258	25.07	23.17	0.207	33.01	-9.85
		2593.0	-1.90	1 / 258	25.19	23.29	0.213	33.01	-9.72
		2640.0	-1.90	1 / 1	25.17	23.27	0.212	33.01	-9.74
	QPSK	2546.0	-1.90	1 / 258	25.09	23.19	0.208	33.01	-9.82
		2593.0	-1.90	1 / 135	25.15	23.25	0.211	33.01	-9.76
		2640.0	-1.90	1 / 1	25.20	23.30	0.214	33.01	-9.71
	16-QAM	2593.0	-1.90	1 / 135	24.43	22.53	0.179	33.01	-10.48
	64-QAM	2593.0	-1.90	1 / 258	23.52	21.62	0.145	33.01	-11.39
	256-QAM	2546.0	-1.90	1 / 135	21.76	19.86	0.097	33.01	-13.15
90 MHz	π/2 BPSK	2541.0	-1.90	1 / 238	25.15	23.25	0.211	33.01	-9.76
		2593.0	-1.90	1 / 120	25.00	23.10	0.204	33.01	-9.91
		2645.0	-1.90	1 / 238	25.20	23.30	0.214	33.01	-9.71
	QPSK	2541.0	-1.90	1 / 238	25.17	23.27	0.213	33.01	-9.74
		2593.0	-1.90	1 / 238	25.05	23.15	0.207	33.01	-9.86
		2645.0	-1.90	1 / 238	25.13	23.23	0.210	33.01	-9.78
	16-QAM	2645.0	-1.90	1 / 1	24.30	22.40	0.174	33.01	-10.61
	64-QAM	2645.0	-1.90	1 / 120	23.70	21.80	0.151	33.01	-11.21
	256-QAM	2593.0	-1.90	1 / 120	21.73	19.83	0.096	33.01	-13.18
80 MHz	π/2 BPSK	2536.0	-1.90	1 / 214	25.11	23.21	0.210	33.01	-9.80
		2593.0	-1.90	1 / 108	25.15	23.25	0.211	33.01	-9.76
		2650.0	-1.90	1 / 108	25.19	23.29	0.213	33.01	-9.72
	QPSK	2536.0	-1.90	1 / 108	25.09	23.19	0.208	33.01	-9.82
		2593.0	-1.90	1 / 108	25.19	23.29	0.213	33.01	-9.72
		2650.0	-1.90	1 / 214	25.20	23.30	0.214	33.01	-9.71
	16-QAM	2650.0	-1.90	1 / 108	24.43	22.53	0.179	33.01	-10.48
	64-QAM	2536.0	-1.90	1 / 214	23.71	21.81	0.152	33.01	-11.20
	256-QAM	2593.0	-1.90	1 / 214	21.87	19.97	0.099	33.01	-13.04
60 MHz	π/2 BPSK	2526.0	-1.90	1 / 162	25.13	23.23	0.210	33.01	-9.79
		2593.0	-1.90	1 / 81	25.20	23.30	0.214	33.01	-9.71
		2660.0	-1.90	1 / 162	25.01	23.11	0.205	33.01	-9.90
	QPSK	2526.0	-1.90	1 / 81	25.15	23.25	0.211	33.01	-9.76
		2593.0	-1.90	1 / 81	25.15	23.25	0.211	33.01	-9.76
		2660.0	-1.90	162 / 0	24.95	23.05	0.202	33.01	-9.96
	16-QAM	2660.0	-1.90	1 / 81	24.36	22.46	0.176	33.01	-10.55
	64-QAM	2526.0	-1.90	1 / 162	23.81	21.91	0.155	33.01	-11.10
	256-QAM	2526.0	-1.90	1 / 162	21.80	19.90	0.098	33.01	-13.11
50 MHz	π/2 BPSK	2521.0	-1.90	1 / 126	25.19	23.29	0.213	33.01	-9.72
		2593.0	-1.90	1 / 126	25.01	23.11	0.205	33.01	-9.90
		2665.0	-1.90	1 / 126	24.99	23.09	0.204	33.01	-9.92
	QPSK	2521.0	-1.90	1 / 64	25.20	23.30	0.214	33.01	-9.71
		2593.0	-1.90	128 / 0	24.87	22.97	0.198	33.01	-10.04
		2665.0	-1.90	1 / 1	24.97	23.07	0.203	33.01	-9.94
	16-QAM	2521.0	-1.90	1 / 126	24.36	22.46	0.176	33.01	-10.55
	64-QAM	2593.0	-1.90	1 / 64	23.58	21.68	0.147	33.01	-11.33
	256-QAM	2665.0	-1.90	1 / 1	22.01	20.11	0.103	33.01	-12.90
40 MHz	π/2 BPSK	2516.0	-1.90	1 / 98	25.07	23.17	0.207	33.01	-9.85
		2593.0	-1.90	1 / 50	25.11	23.21	0.209	33.01	-9.80
		2670.0	-1.90	1 / 98	25.20	23.30	0.214	33.01	-9.71
	QPSK	2516.0	-1.90	1 / 98	25.18	23.28	0.213	33.01	-9.73
		2593.0	-1.90	1 / 1	25.07	23.17	0.208	33.01	-9.84
		2670.0	-1.90	100 / 0	24.89	22.99	0.199	33.01	-10.03
	16-QAM	2593.0	-1.90	1 / 98	24.45	22.55	0.180	33.01	-10.46
	64-QAM	2593.0	-1.90	1 / 98	23.59	21.69	0.148	33.01	-11.32
	256-QAM	2670.0	-1.90	1 / 98	21.59	19.69	0.093	33.01	-13.32
20 MHz	π/2 BPSK	2506.0	-1.90	1 / 48	25.14	23.24	0.211	33.01	-9.77
		2593.0	-1.90	1 / 25	25.18	23.28	0.213	33.01	-9.73
		2680.0	-1.90	1 / 48	25.11	23.21	0.209	33.01	-9.80
	QPSK	2506.0	-1.90	1 / 25	25.11	23.21	0.210	33.01	-9.80
		2593.0	-1.90	1 / 48	24.94	23.04	0.201	33.01	-9.97
		2680.0	-1.90	1 / 25	24.93	23.03	0.201	33.01	-9.98
	16-QAM	2593.0	-1.90	1 / 25	24.48	22.58	0.181	33.01	-10.43
	64-QAM	2593.0	-1.90	1 / 1	23.55	21.65	0.146	33.01	-11.36
	256-QAM	2593.0	-1.90	1 / 1	21.85	19.95	0.099	33.01	-13.06

Table 7-32. EIRP Data (NR Band n41(PC3) – DFT-s OFDM)

FCC ID: BCGA2379	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device		Page 171 of 224

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7.6.6 Antenna 2a – EIRP

NR Band n77(PC2)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	π/2 BPSK	3750.0	0.40	1 / 1	23.53	23.93	0.247	33.01	-9.08
		3840.0	0.40	1 / 135	23.71	24.11	0.258	33.01	-8.90
		3930.0	0.40	1 / 135	23.47	23.87	0.244	33.01	-9.14
	QPSK	3750.0	0.40	1 / 1	23.97	24.37	0.274	33.01	-8.64
		3840.0	0.40	1 / 1	23.40	23.80	0.240	33.01	-9.21
		3930.0	0.40	1 / 1	23.45	23.85	0.243	33.01	-9.16
	16-QAM	3750.0	0.40	1 / 1	22.99	23.39	0.218	33.01	-9.62
	64-QAM	3750.0	0.40	1 / 1	21.11	21.51	0.142	33.01	-11.50
	256-QAM	3750.0	0.40	1 / 1	19.12	19.52	0.090	33.01	-13.49
90 MHz	π/2 BPSK	3745.0	0.40	1 / 1	23.94	24.34	0.272	33.01	-8.67
		3840.0	0.40	1 / 238	23.82	24.22	0.264	33.01	-8.79
		3935.0	0.40	1 / 1	23.27	23.67	0.233	33.01	-9.34
	QPSK	3745.0	0.40	1 / 1	23.78	24.18	0.262	33.01	-8.83
		3840.0	0.40	1 / 120	23.39	23.79	0.240	33.01	-9.22
		3935.0	0.40	1 / 1	23.15	23.55	0.226	33.01	-9.46
	16-QAM	3745.0	0.40	1 / 1	22.99	23.39	0.218	33.01	-9.62
	64-QAM	3745.0	0.40	240 / 0	21.15	21.55	0.143	33.01	-11.46
80 MHz	π/2 BPSK	3740.0	0.40	1 / 1	24.00	24.40	0.275	33.01	-8.61
		3840.0	0.40	1 / 108	23.31	23.71	0.235	33.01	-9.30
		3940.0	0.40	1 / 108	23.55	23.95	0.249	33.01	-9.06
	QPSK	3740.0	0.40	1 / 108	23.81	24.21	0.264	33.01	-8.80
		3840.0	0.40	1 / 214	23.59	23.99	0.251	33.01	-9.02
		3940.0	0.40	1 / 108	23.27	23.67	0.233	33.01	-9.34
	16-QAM	3740.0	0.40	1 / 108	23.01	23.41	0.219	33.01	-9.60
	256-QAM	3740.0	0.40	1 / 1	21.44	21.84	0.153	33.01	-11.17
60 MHz	π/2 BPSK	3740.0	0.40	1 / 108	19.28	19.68	0.093	33.01	-13.33
		3840.0	0.40	1 / 108	19.28	19.68	0.093	33.01	-13.33
		3940.0	0.40	1 / 108	19.28	19.68	0.093	33.01	-13.33
	QPSK	3740.0	0.40	1 / 108	19.28	19.68	0.093	33.01	-13.33
		3840.0	0.40	1 / 108	19.28	19.68	0.093	33.01	-13.33
		3940.0	0.40	1 / 108	19.28	19.68	0.093	33.01	-13.33
	16-QAM	3740.0	0.40	1 / 108	19.28	19.68	0.093	33.01	-13.33
	256-QAM	3740.0	0.40	1 / 108	19.28	19.68	0.093	33.01	-13.33
50 MHz	π/2 BPSK	3730.0	0.40	1 / 81	24.00	24.40	0.275	33.01	-8.61
		3840.0	0.40	1 / 162	23.67	24.07	0.255	33.01	-8.94
		3950.0	0.40	1 / 81	23.34	23.74	0.236	33.01	-9.27
	QPSK	3730.0	0.40	1 / 1	23.52	23.92	0.247	33.01	-9.09
		3840.0	0.40	1 / 162	23.32	23.72	0.235	33.01	-9.29
		3950.0	0.40	1 / 81	23.14	23.54	0.226	33.01	-9.47
	16-QAM	3730.0	0.40	1 / 81	23.26	23.66	0.232	33.01	-9.36
	256-QAM	3730.0	0.40	162 / 0	21.17	21.57	0.144	33.01	-11.44
40 MHz	π/2 BPSK	3725.0	0.40	1 / 64	23.86	24.26	0.267	33.01	-8.75
		3840.0	0.40	1 / 126	23.36	23.76	0.238	33.01	-9.25
		3955.0	0.40	1 / 1	23.74	24.14	0.259	33.01	-8.88
	QPSK	3725.0	0.40	1 / 1	23.86	24.26	0.267	33.01	-8.75
		3840.0	0.40	1 / 64	23.39	23.79	0.240	33.01	-9.22
		3955.0	0.40	1 / 1	23.60	24.00	0.251	33.01	-9.01
	16-QAM	3725.0	0.40	1 / 1	23.10	23.50	0.224	33.01	-9.51
	256-QAM	3725.0	0.40	1 / 1	21.26	21.66	0.147	33.01	-11.35
20 MHz	π/2 BPSK	3720.0	0.40	1 / 126	19.30	19.70	0.093	33.01	-13.31
		3720.0	0.40	1 / 126	19.30	19.70	0.093	33.01	-13.31
		3720.0	0.40	1 / 126	19.30	19.70	0.093	33.01	-13.31
	QPSK	3720.0	0.40	1 / 98	23.80	24.20	0.263	33.01	-8.81
		3840.0	0.40	1 / 98	23.63	24.03	0.253	33.01	-8.98
		3960.0	0.40	1 / 1	23.54	23.94	0.248	33.01	-9.07
	16-QAM	3720.0	0.40	1 / 98	23.86	24.26	0.267	33.01	-8.75
	256-QAM	3720.0	0.40	100 / 0	21.20	21.60	0.145	33.01	-11.41
20 MHz	π/2 BPSK	3720.0	0.40	1 / 98	19.63	20.03	0.101	33.01	-12.98
		3720.0	0.40	1 / 98	19.63	20.03	0.101	33.01	-12.98
		3720.0	0.40	1 / 98	19.63	20.03	0.101	33.01	-12.98
	QPSK	3710.0	0.40	1 / 48	23.70	24.10	0.257	33.01	-8.91
		3840.0	0.40	1 / 48	23.57	23.97	0.249	33.01	-9.04
		3970.0	0.40	1 / 1	23.33	23.73	0.236	33.01	-9.28
	16-QAM	3710.0	0.40	1 / 25	23.00	23.40	0.219	33.01	-9.61
	256-QAM	3710.0	0.40	1 / 48	23.35	23.75	0.237	33.01	-9.26
20 MHz	π/2 BPSK	3710.0	0.40	1 / 1	23.17	23.57	0.227	33.01	-9.44
		3710.0	0.40	1 / 1	23.17	23.57	0.227	33.01	-9.44
		3710.0	0.40	1 / 1	23.17	23.57	0.227	33.01	-9.44
	QPSK	3710.0	0.40	1 / 1	22.52	22.92	0.196	33.01	-10.09
		3710.0	0.40	1 / 1	22.52	22.92	0.196	33.01	-10.09
		3710.0	0.40	1 / 1	22.52	22.92	0.196	33.01	-10.09
	16-QAM	3710.0	0.40	1 / 1	20.90	21.30	0.135	33.01	-11.71
	256-QAM	3710.0	0.40	1 / 48	19.33	19.73	0.094	33.01	-13.28

Table 7-33. EIRP Data (NR Band n77(PC2) – DFT-s OFDM)

FCC ID: BCGA2379		PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
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NR Band n77(PC3)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	π/2 BPSK	3750.0	0.40	1 / 258	22.45	22.85	0.193	33.01	-10.16
		3840.0	0.40	1 / 1	22.56	22.96	0.198	33.01	-10.05
		3930.0	0.40	1 / 135	22.66	23.06	0.202	33.01	-9.95
	QPSK	3750.0	0.40	1 / 1	22.69	23.09	0.204	33.01	-9.92
		3840.0	0.40	1 / 135	22.70	23.10	0.204	33.01	-9.91
		3930.0	0.40	1 / 1	22.42	22.82	0.191	33.01	-10.19
	16-QAM	3840.0	0.40	1 / 258	21.83	22.23	0.167	33.01	-10.78
	64-QAM	3930.0	0.40	1 / 1	21.05	21.45	0.140	33.01	-11.56
	256-QAM	3840.0	0.40	1 / 135	19.01	19.41	0.087	33.01	-13.60
90 MHz	π/2 BPSK	3745.0	0.40	240 / 0	22.57	22.97	0.198	33.01	-10.04
		3840.0	0.40	1 / 238	22.70	23.10	0.204	33.01	-9.91
		3935.0	0.40	1 / 1	22.69	23.09	0.204	33.01	-9.92
	QPSK	3745.0	0.40	1 / 238	22.20	22.60	0.182	33.01	-10.41
		3840.0	0.40	1 / 1	22.44	22.84	0.193	33.01	-10.17
		3935.0	0.40	1 / 1	22.38	22.78	0.190	33.01	-10.23
	16-QAM	3840.0	0.40	1 / 120	21.83	22.23	0.167	33.01	-10.78
	64-QAM	3840.0	0.40	240 / 0	20.72	21.12	0.129	33.01	-11.89
	256-QAM	3840.0	0.40	240 / 0	18.69	19.09	0.081	33.01	-13.92
80 MHz	π/2 BPSK	3740.0	0.40	1 / 108	22.65	23.05	0.202	33.01	-9.96
		3840.0	0.40	1 / 108	22.67	23.07	0.203	33.01	-9.94
		3940.0	0.40	1 / 1	22.66	23.06	0.202	33.01	-9.95
	QPSK	3740.0	0.40	1 / 214	22.41	22.81	0.191	33.01	-10.20
		3840.0	0.40	1 / 108	22.70	23.10	0.204	33.01	-9.91
		3940.0	0.40	1 / 1	22.37	22.77	0.189	33.01	-10.24
	16-QAM	3840.0	0.40	1 / 214	21.76	22.16	0.164	33.01	-10.85
	64-QAM	3840.0	0.40	216 / 0	20.81	21.21	0.132	33.01	-11.80
	256-QAM	3840.0	0.40	216 / 0	18.75	19.15	0.082	33.01	-13.86
60 MHz	π/2 BPSK	3730.0	0.40	162 / 0	22.42	22.82	0.192	33.01	-10.19
		3840.0	0.40	1 / 81	22.70	23.10	0.204	33.01	-9.91
		3950.0	0.40	1 / 81	22.69	23.09	0.204	33.01	-9.92
	QPSK	3730.0	0.40	1 / 81	22.68	23.08	0.203	33.01	-9.93
		3840.0	0.40	1 / 162	22.68	23.08	0.203	33.01	-9.93
		3950.0	0.40	1 / 1	22.43	22.83	0.192	33.01	-10.18
	16-QAM	3840.0	0.40	1 / 162	21.88	22.28	0.169	33.01	-10.74
	64-QAM	3840.0	0.40	1 / 81	20.88	21.28	0.134	33.01	-11.73
	256-QAM	3840.0	0.40	162 / 0	18.78	19.18	0.083	33.01	-13.83
50 MHz	π/2 BPSK	3725.0	0.40	128 / 0	22.37	22.77	0.189	33.01	-10.24
		3840.0	0.40	1 / 126	22.70	23.10	0.204	33.01	-9.91
		3955.0	0.40	1 / 1	22.62	23.02	0.200	33.01	-9.99
	QPSK	3725.0	0.40	1 / 1	22.25	22.65	0.184	33.01	-10.36
		3840.0	0.40	1 / 126	22.65	23.05	0.202	33.01	-9.96
		3955.0	0.40	1 / 1	22.41	22.81	0.191	33.01	-10.20
	16-QAM	3840.0	0.40	1 / 1	21.90	22.30	0.170	33.01	-10.71
	64-QAM	3955.0	0.40	1 / 1	20.69	21.09	0.128	33.01	-11.92
	256-QAM	3955.0	0.40	1 / 1	18.57	18.97	0.079	33.01	-14.05
40 MHz	π/2 BPSK	3720.0	0.40	1 / 98	22.60	23.00	0.200	33.01	-10.01
		3840.0	0.40	1 / 1	22.62	23.02	0.201	33.01	-9.99
		3960.0	0.40	1 / 50	22.42	22.82	0.192	33.01	-10.19
	QPSK	3720.0	0.40	1 / 50	22.59	22.99	0.199	33.01	-10.02
		3840.0	0.40	1 / 1	22.70	23.10	0.204	33.01	-9.91
		3960.0	0.40	1 / 98	22.61	23.01	0.200	33.01	-10.00
	16-QAM	3840.0	0.40	1 / 1	21.91	22.31	0.170	33.01	-10.70
	64-QAM	3840.0	0.40	1 / 98	20.78	21.18	0.131	33.01	-11.83
	256-QAM	3840.0	0.40	1 / 98	18.99	19.39	0.087	33.01	-13.62
20 MHz	π/2 BPSK	3710.0	0.40	50 / 0	22.17	22.57	0.181	33.01	-10.44
		3840.0	0.40	1 / 48	22.40	22.80	0.191	33.01	-10.21
		3970.0	0.40	50 / 0	22.40	22.80	0.191	33.01	-10.21
	QPSK	3710.0	0.40	1 / 25	22.23	22.63	0.183	33.01	-10.38
		3840.0	0.40	50 / 0	22.32	22.72	0.187	33.01	-10.29
		3970.0	0.40	50 / 0	22.11	22.51	0.178	33.01	-10.50
	16-QAM	3970.0	0.40	1 / 1	21.51	21.91	0.155	33.01	-11.10
	64-QAM	3840.0	0.40	1 / 48	20.53	20.93	0.124	33.01	-12.08
	256-QAM	3710.0	0.40	1 / 48	18.82	19.22	0.084	33.01	-13.79

Table 7-34. EIRP Data (NR Band n77(PC3) – DFT-s OFDM)

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7.7 Radiated Spurious Emissions

§2.1053, 27.53(a), §2.1053, 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 tuned dipole antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as peak measurements 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.

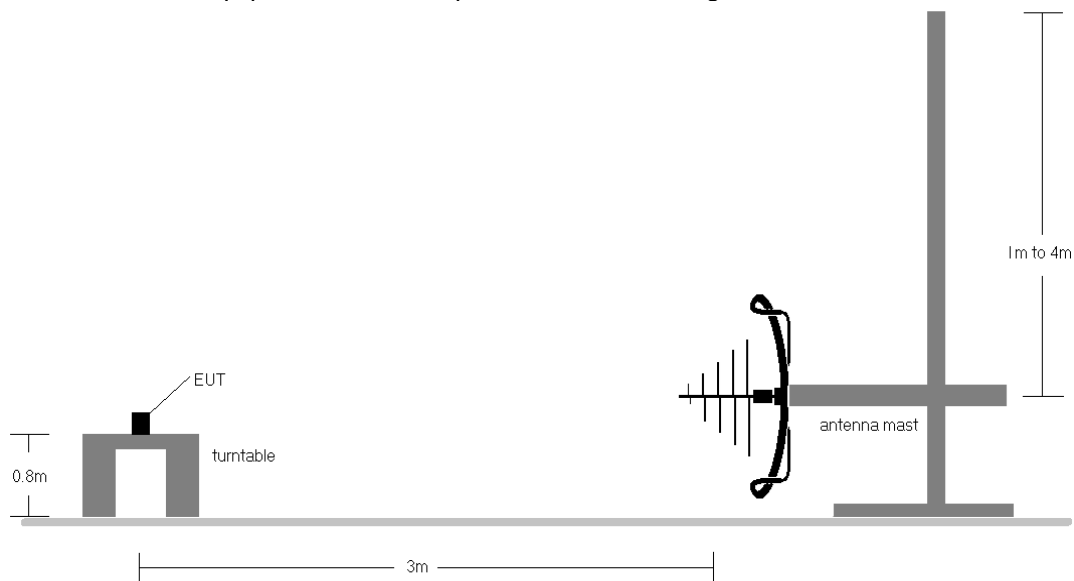


Figure 7-6. Test Instrument & Measurement Setup < 1GHz

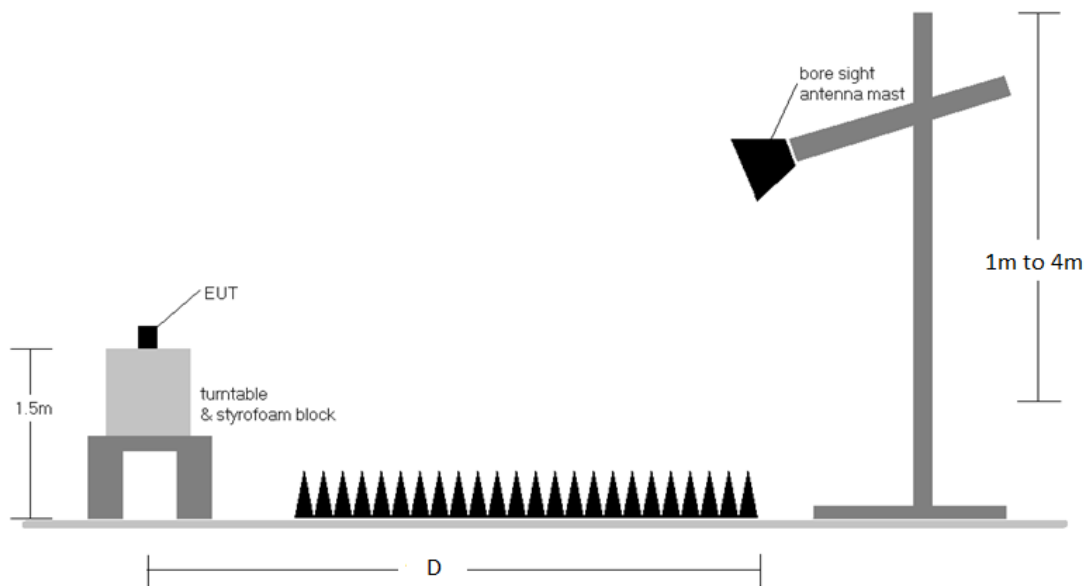


Figure 7-7. Test Instrument & Measurement Setup > 1GHz

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Test Notes

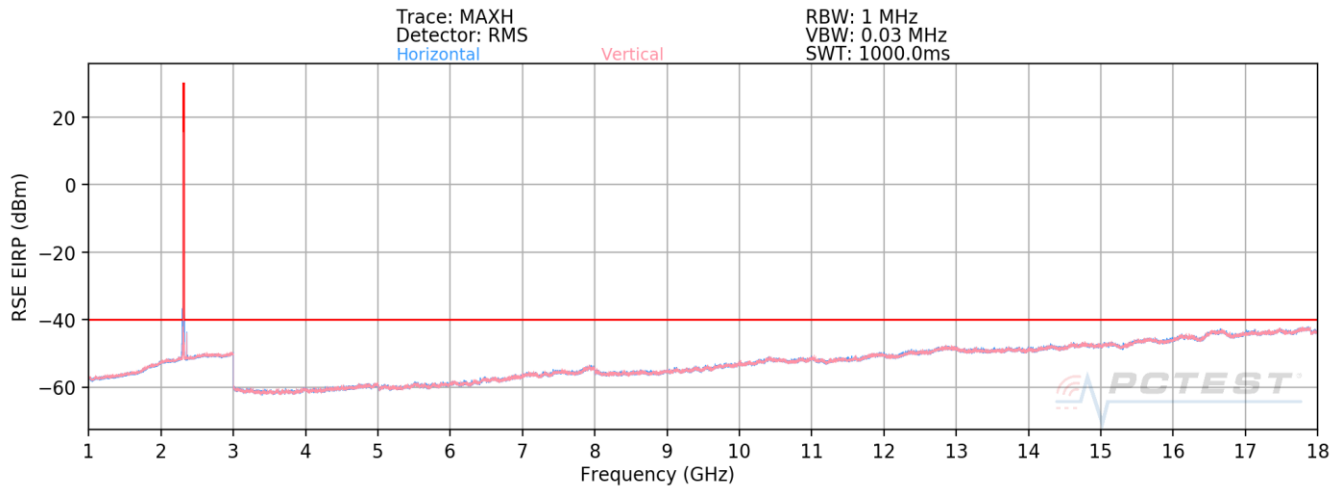
- 1) Field strengths are calculated using the Measurement quantity conversions in KDB 971168 Section 5.8.4.
 - b) $E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - d) $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V/m}) + 20\log D - 104.8$; 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 included in this section. Spurious emissions from the NR and LTE carriers are subject to their own respective limits.
- 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.

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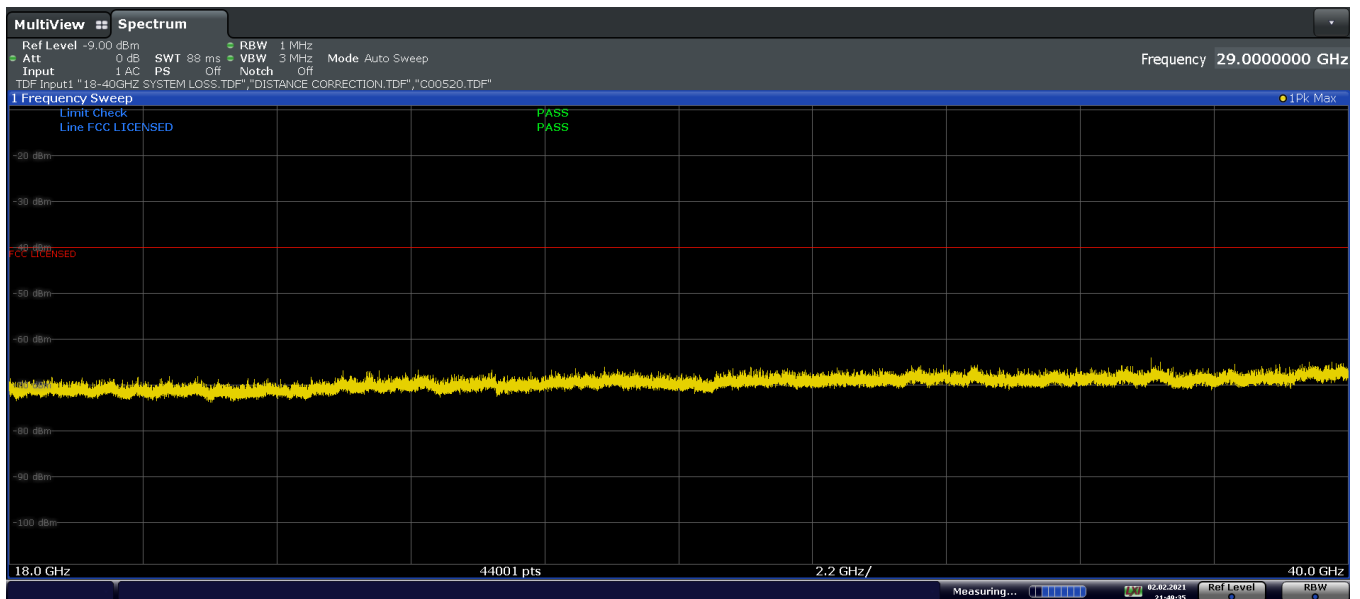
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7.7.1 Antenna 3 Radiated Spurious Emission Measurements LTE Band 30



Plot 7-238. Antenna 3 Radiated Spurious Emission 1GHz – 18GHz (LTE Band 30)

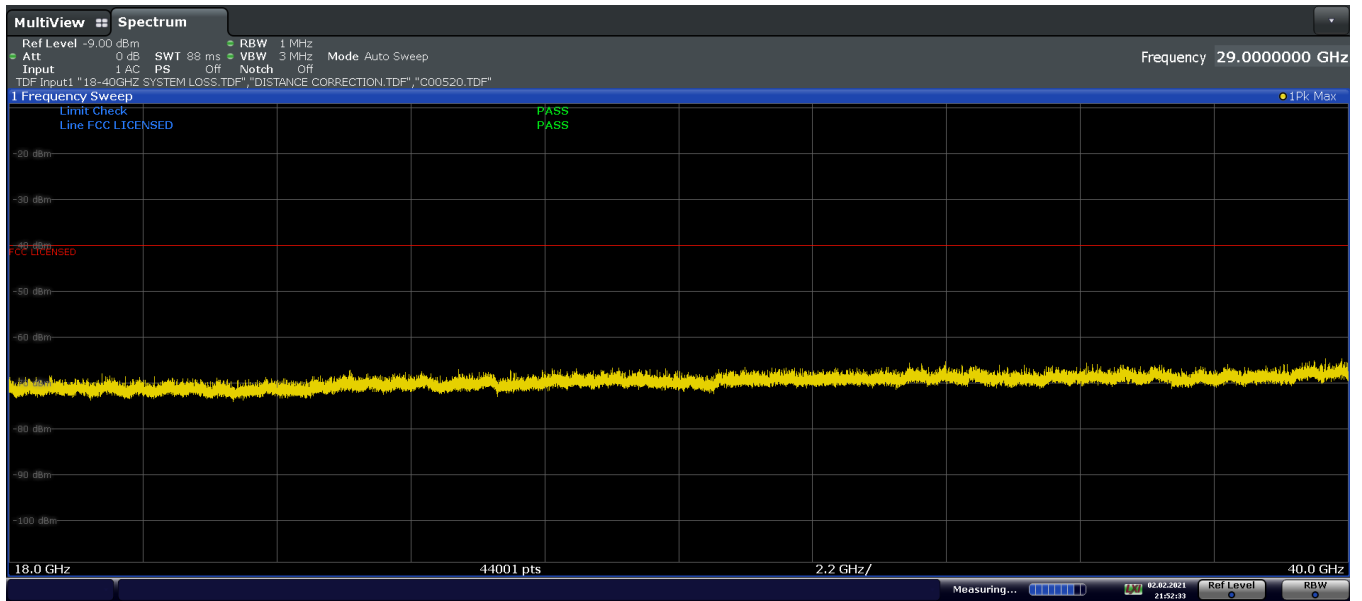


Plot 7-239. Antenna 3 Radiated Spurious Emission above 18GHz (LTE Band 30, Pol. H)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 177 of 224

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Plot 7-240. Antenna 3 Radiated Spurious Emission above 18GHz (LTE Band 30, Pol. V)

FCC ID: BCGA2379	 PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device
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Bandwidth (MHz):	5
Frequency (MHz):	2307.5
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]
4615.0	-	-	-	-78.28	5.80	34.52	-60.73	-40.00	-20.73
6922.5	-	-	-	-79.60	9.29	36.69	-58.57	-40.00	-18.57
9230.0	-	-	-	-80.76	13.86	40.10	-55.16	-40.00	-15.16

Table 7-35. 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	-	-	-	-79.61	5.63	33.02	-62.24	-40.00	-22.24
6930.0	-	-	-	-80.76	9.43	35.67	-59.58	-40.00	-19.58
9240.0	-	-	-	-80.72	13.91	40.19	-55.06	-40.00	-15.06

Table 7-36. Radiated Spurious Data (LTE Band 30 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	2312.5
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]
4625.00	-	-	-	-78.28	5.57	34.29	-60.97	-40.00	-20.97
6937.50	-	-	-	-79.60	9.45	36.85	-58.41	-40.00	-18.41
9250.00	-	-	-	-81.05	14.03	39.98	-55.27	-40.00	-15.27

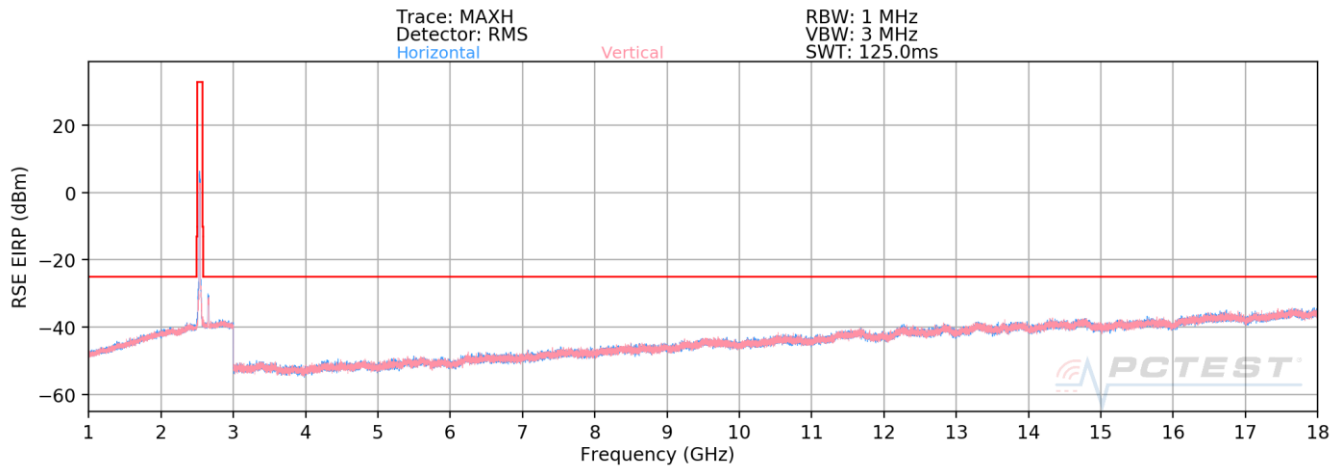
Table 7-37. Radiated Spurious Data (LTE Band 30 – High Channel)

FCC ID: BCGA2379	 PCTEST Proud to be part of 	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 179 of 224

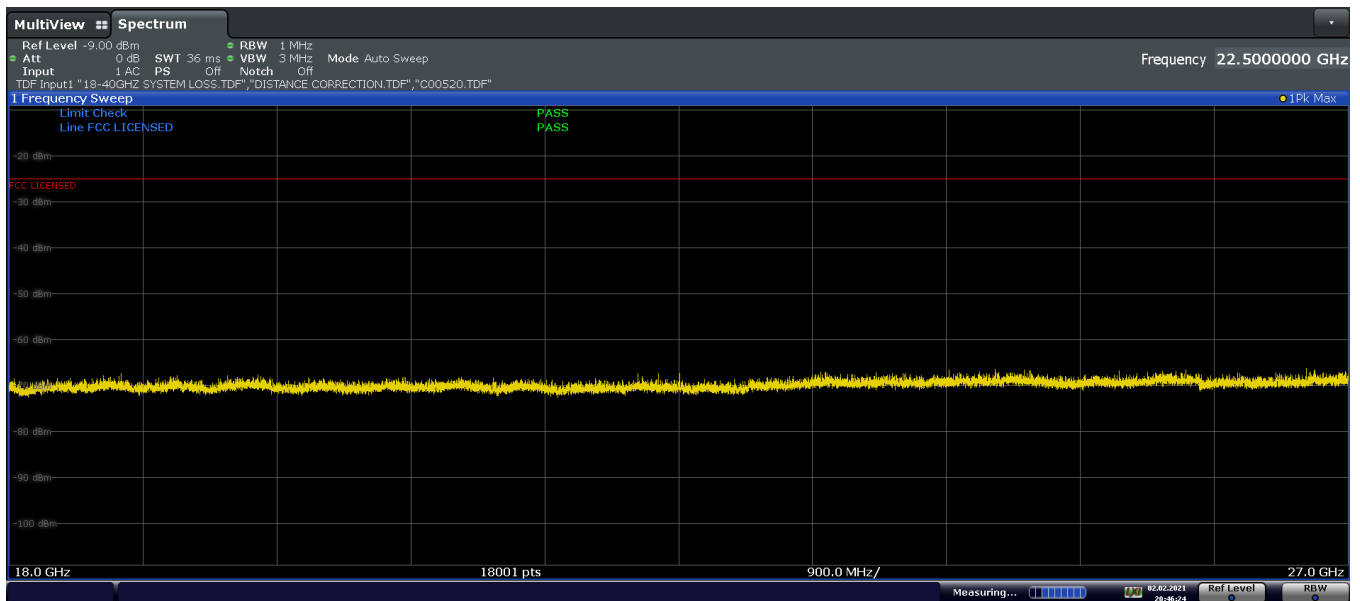
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LTE Band 7



Plot 7-241. Antenna 3 Radiated Spurious Emission 1GHz – 18GHz (LTE Band 7)

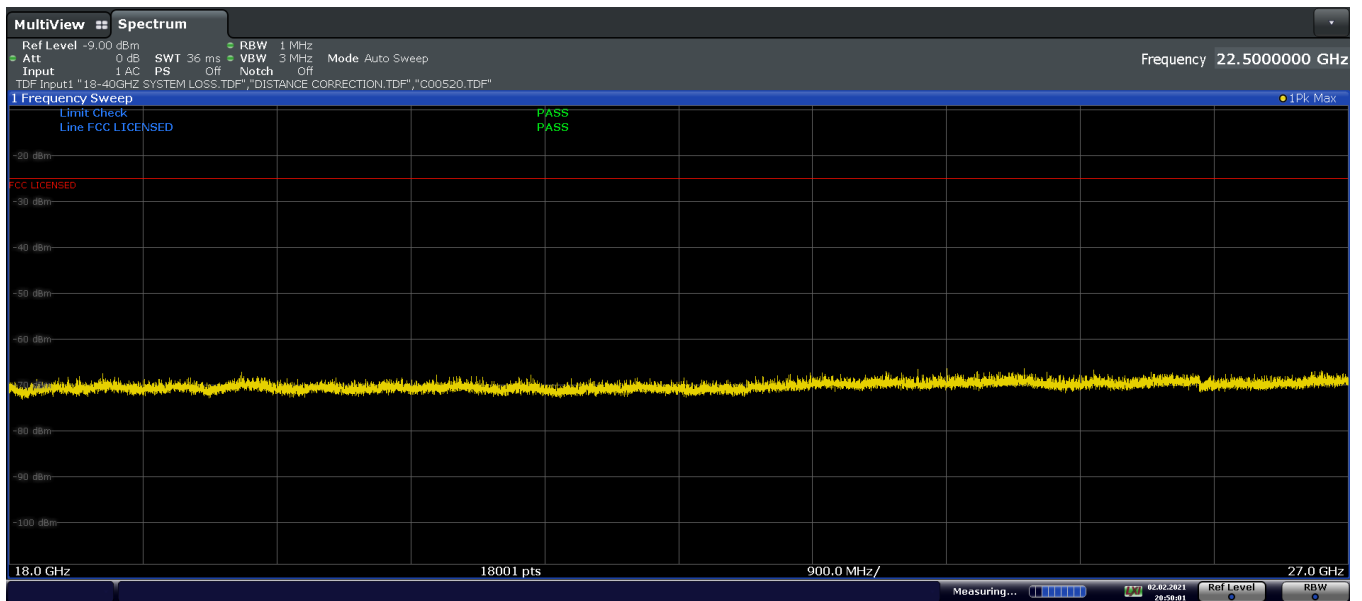


Plot 7-242. Antenna 3 Radiated Spurious Emission above 18GHz (LTE Band 7 Pol. H)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 180 of 224

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Plot 7-243. Antenna 3 Radiated Spurious Emission above 18GHz (LTE Band 7 Pol. H)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 181 of 224

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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	-	-	-	-79.84	6.90	34.06	-61.20	-25.00	-36.20
7530.0	-	-	-	-79.68	11.09	38.41	-56.85	-25.00	-31.85
10040.0	-	-	-	-81.61	14.16	39.55	-55.71	-25.00	-30.71

Table 7-38. 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	-	-	-	-77.66	7.36	36.70	-58.56	-25.00	-33.56
7605.0	-	-	-	-77.20	11.44	41.24	-54.02	-25.00	-29.02
10140.0	-	-	-	-78.03	14.78	43.75	-51.50	-25.00	-26.50

Table 7-39. 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	-	-	-	-77.36	7.08	36.72	-58.54	-25.00	-33.54
7680.00	-	-	-	-77.38	11.29	40.91	-54.35	-25.00	-29.35
10240.00	-	-	-	-77.89	14.57	43.68	-51.58	-25.00	-26.58

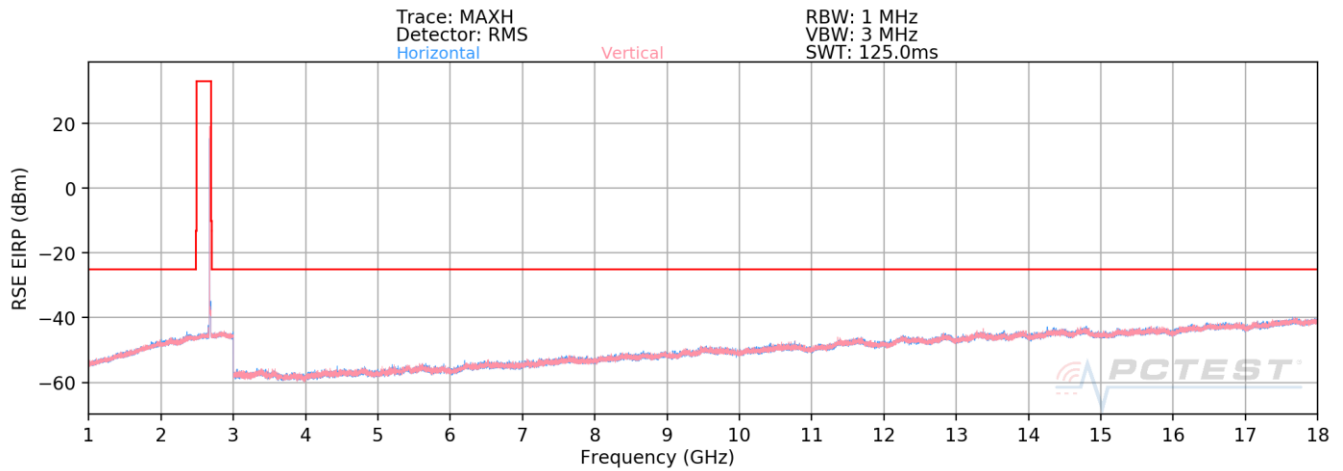
Table 7-40. Radiated Spurious Data (LTE Band 7 – High Channel)

FCC ID: BCGA2379	 PCTEST Proud to be part of 	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 182 of 224

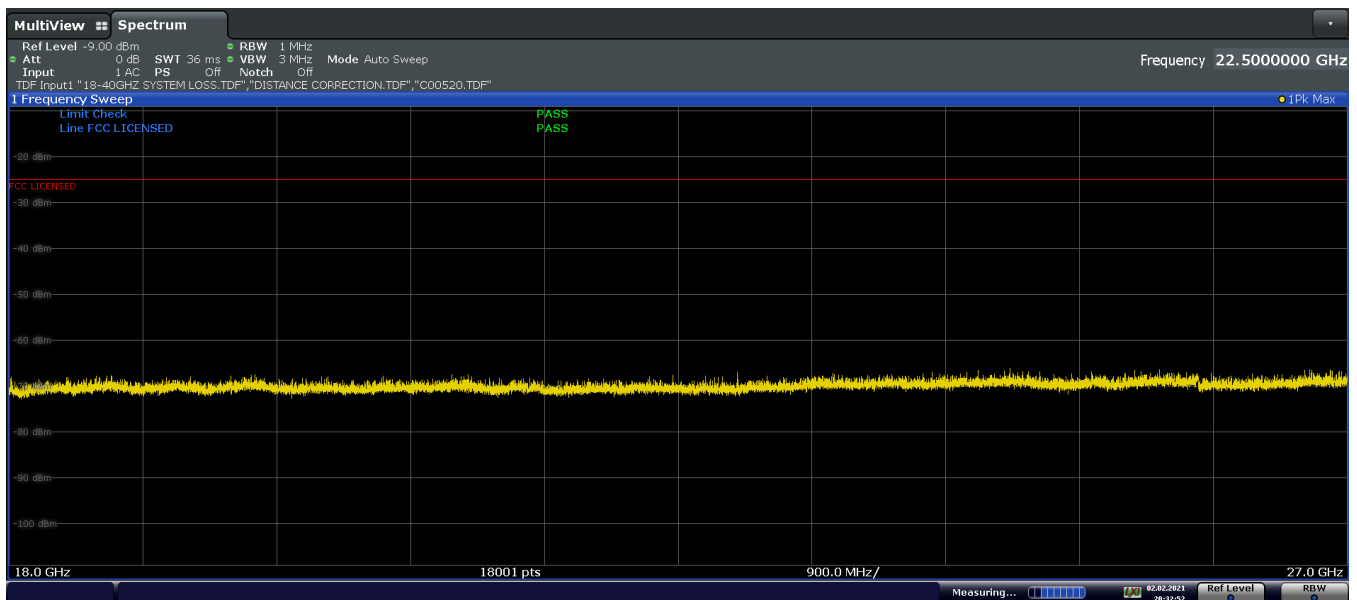
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LTE Band 41



Plot 7-244. Antenna 3 Radiated Spurious Emission 1GHz – 18GHz (LTE Band 41(PC2))

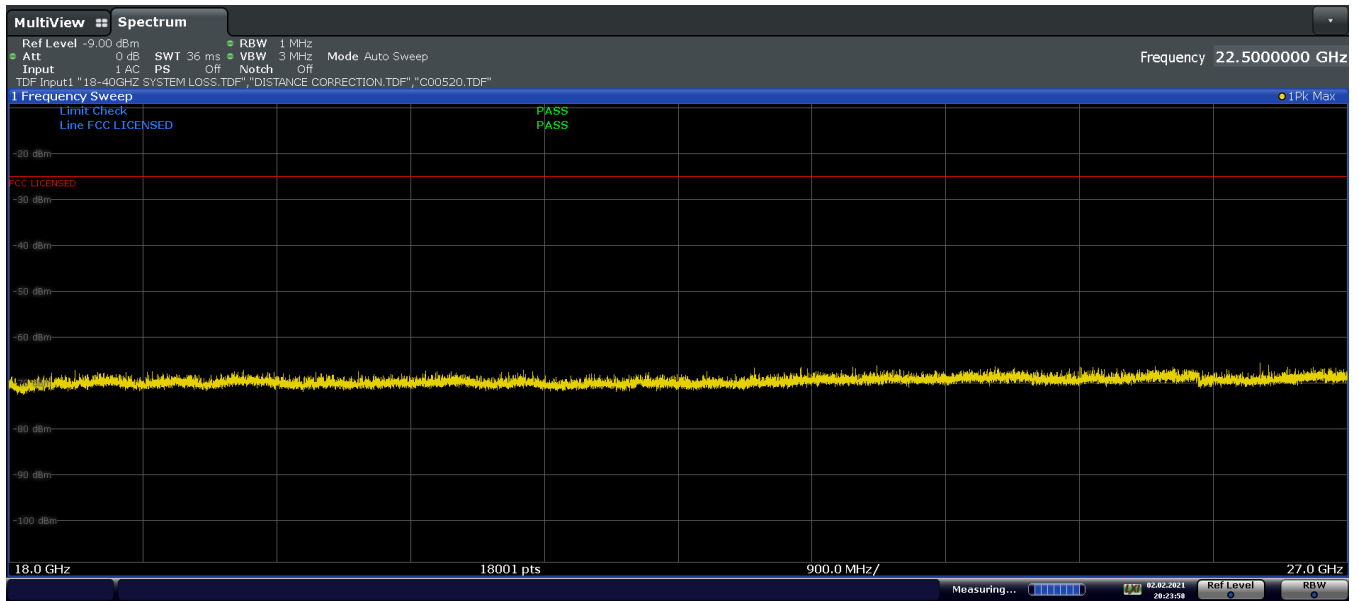


Plot 7-245. Antenna 3 Radiated Spurious Emission above 18GHz (LTE Band 41(PC2), Pol. H)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 183 of 224

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Plot 7-246. Antenna 3 Radiated Spurious Emission above 18GHz (LTE Band 41(PC2), Pol. V)

FCC ID: BCGA2379	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 184 of 224

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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	-	-	-	-71.41	6.90	42.49	-52.77	-25.00	-27.77
7518.0	V	391	204	-68.16	11.09	49.93	-45.33	-25.00	-20.33
10024.0	-	-	-	-73.50	14.16	47.66	-47.60	-25.00	-22.60
12530.0	-	-	-	-73.33	18.19	51.86	-43.40	-25.00	-18.40

Table 7-41. 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	-	-	-	-68.85	6.36	44.51	-50.75	-25.00	-25.75
7779.0	-	-	-	-70.25	11.08	47.83	-47.42	-25.00	-22.42
10372.0	-	-	-	-70.94	14.96	51.02	-44.24	-25.00	-19.24

Table 7-42. 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	-	-	-	-69.33	7.70	45.37	-49.89	-25.00	-24.89
8040.0	-	-	-	-70.75	11.65	47.90	-47.36	-25.00	-22.36
10720.0	V	216	173	-66.97	15.85	55.88	-39.37	-25.00	-14.37
13400.0	-	-	-	-71.71	18.93	54.22	-41.04	-25.00	-16.04
16080.0	-	-	-	-73.01	21.79	55.78	-39.47	-25.00	-14.47

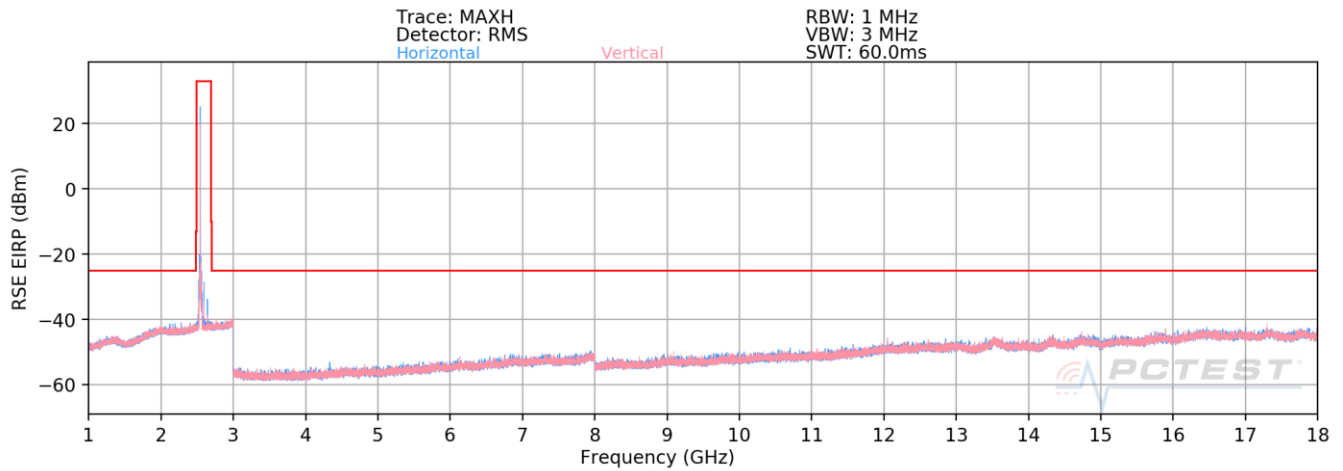
Table 7-43. Radiated Spurious Data (LTE Band 41 – High Channel)

FCC ID: BCGA2379	 PCTEST Proud to be part of 	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 185 of 224

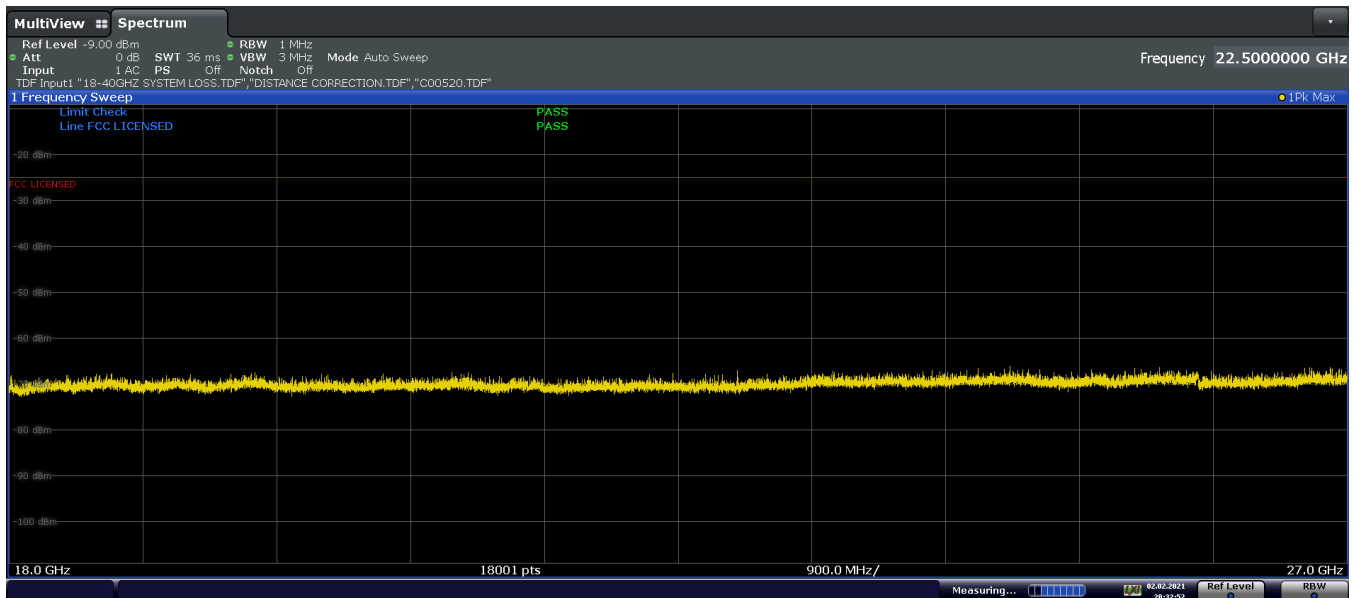
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NR Band n41



Plot 7-247. Antenna 3 Radiated Spurious Emission 1GHz – 18GHz (NR Band n41)

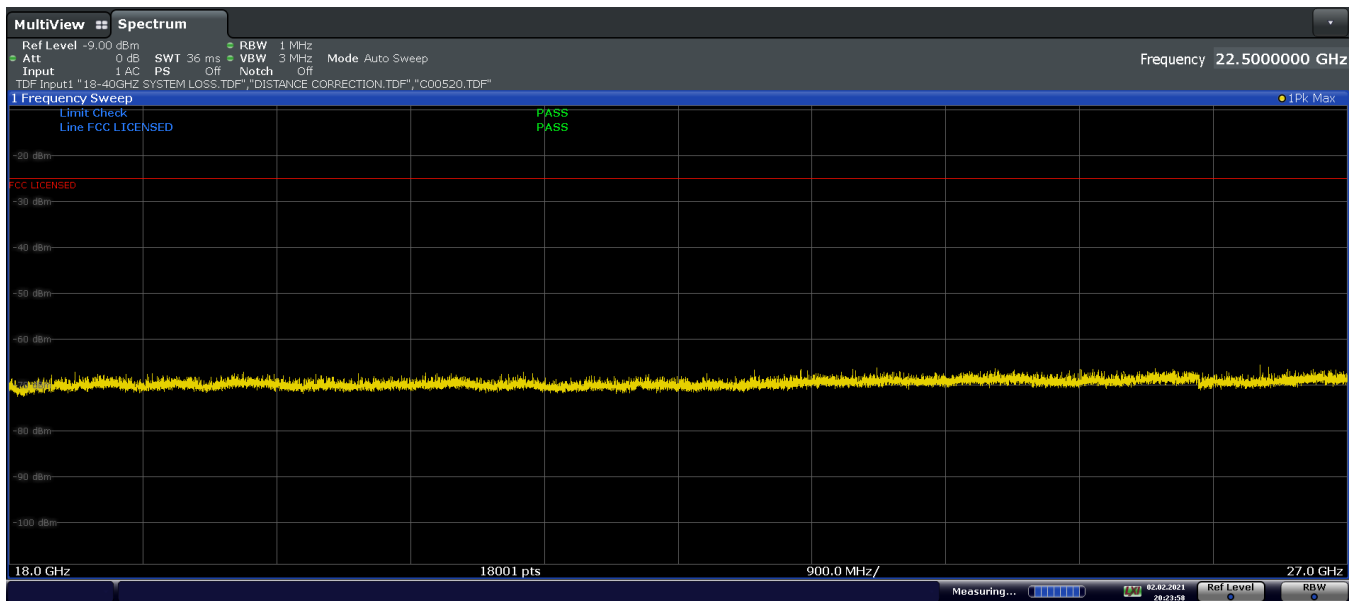


Plot 7-248. Antenna 3 Radiated Spurious Emission above 18GHz (NR Band n41, Pol. H)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 186 of 224

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Plot 7-249. Antenna 3 Radiated Spurious Emission above 18GHz (NR Band n41, Pol. V)

FCC ID: BCGA2379	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 187 of 224

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Bandwidth (MHz):	100
Frequency (MHz):	2546.0
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]
5092.0	V	-	-	-68.39	4.53	43.14	-52.12	-25.00	-27.12
7638.0	V	-	-	-70.54	8.92	45.38	-49.88	-25.00	-24.88
10184.0	V	-	-	-74.55	13.80	46.25	-49.01	-25.00	-24.01

Table 7-44. Radiated Spurious Data (NR Band n41 – Low Channel)

Bandwidth (MHz):	100
Frequency (MHz):	2593.0
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	-	-	-68.44	5.08	43.64	-51.61	-25.00	-26.61
7779.0	V	-	-	-69.60	8.58	45.98	-49.28	-25.00	-24.28
10372.0	V	-	-	-73.96	13.68	46.72	-48.53	-25.00	-23.53

Table 7-45. Radiated Spurious Data (NR Band n41 – Mid Channel)

Bandwidth (MHz):	100
Frequency (MHz):	2640.0
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]
5280.0	V	-	-	-68.75	5.03	43.28	-51.98	-25.00	-26.98
7920.0	V	-	-	-69.23	10.22	47.99	-47.27	-25.00	-22.27
10560.0	V	-	-	-71.86	14.05	49.19	-46.07	-25.00	-21.07

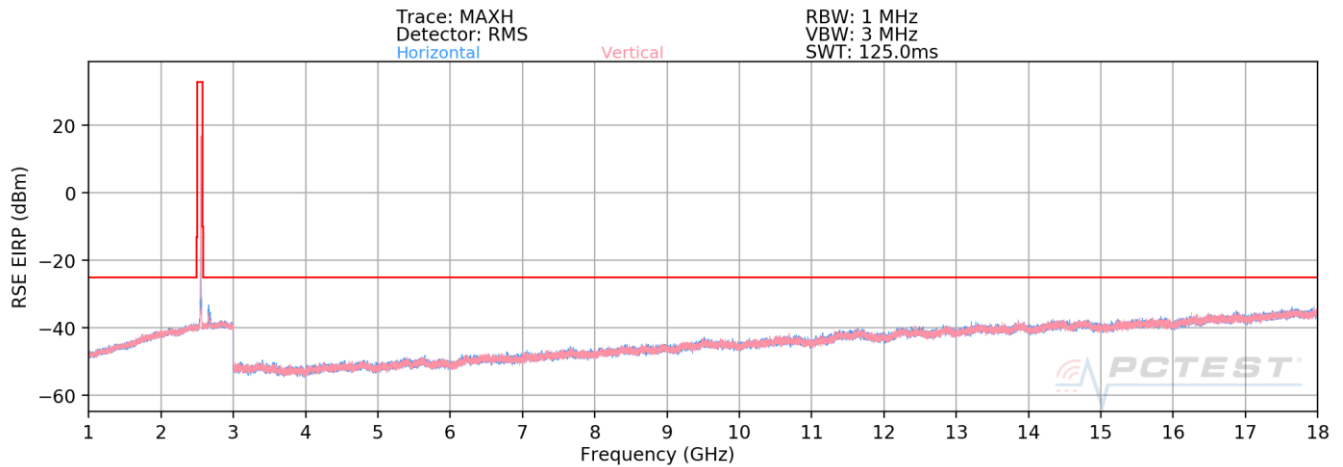
Table 7-46. Radiated Spurious Data (NR Band n41 – High Channel)

FCC ID: BCGA2379	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 188 of 224

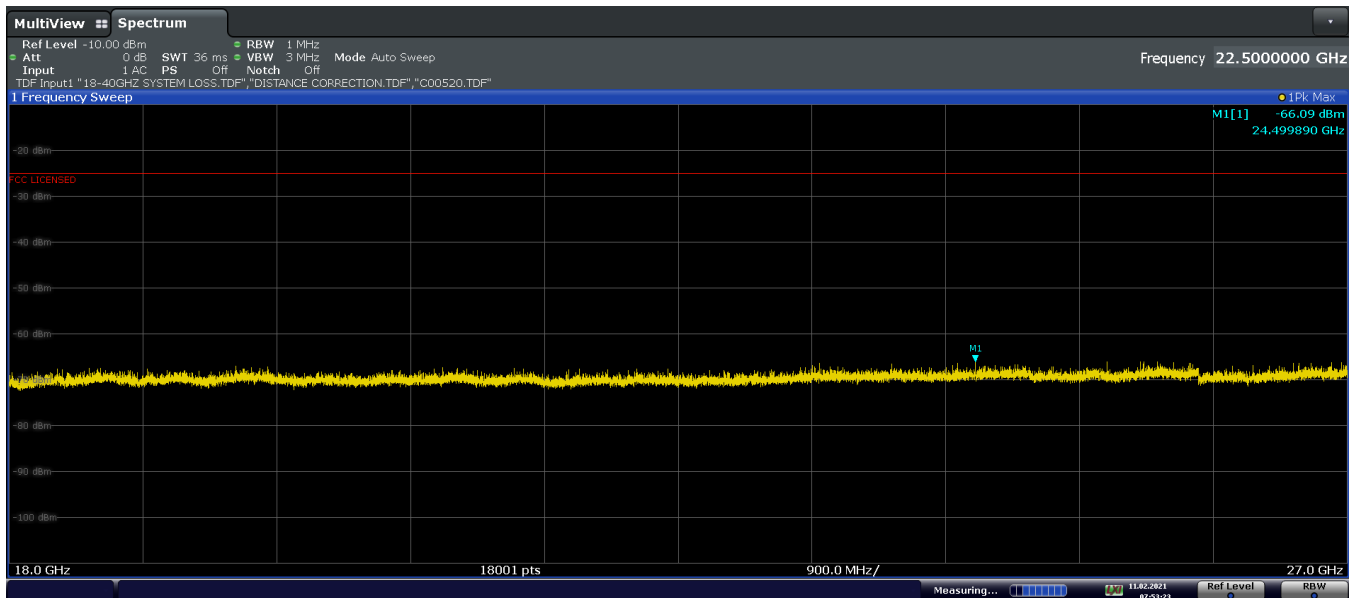
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ULCA - LTE B7



Plot 7-250. Antenna 3 Radiated Spurious Emission 1GHz – 18GHz (ULCA LTE B7)

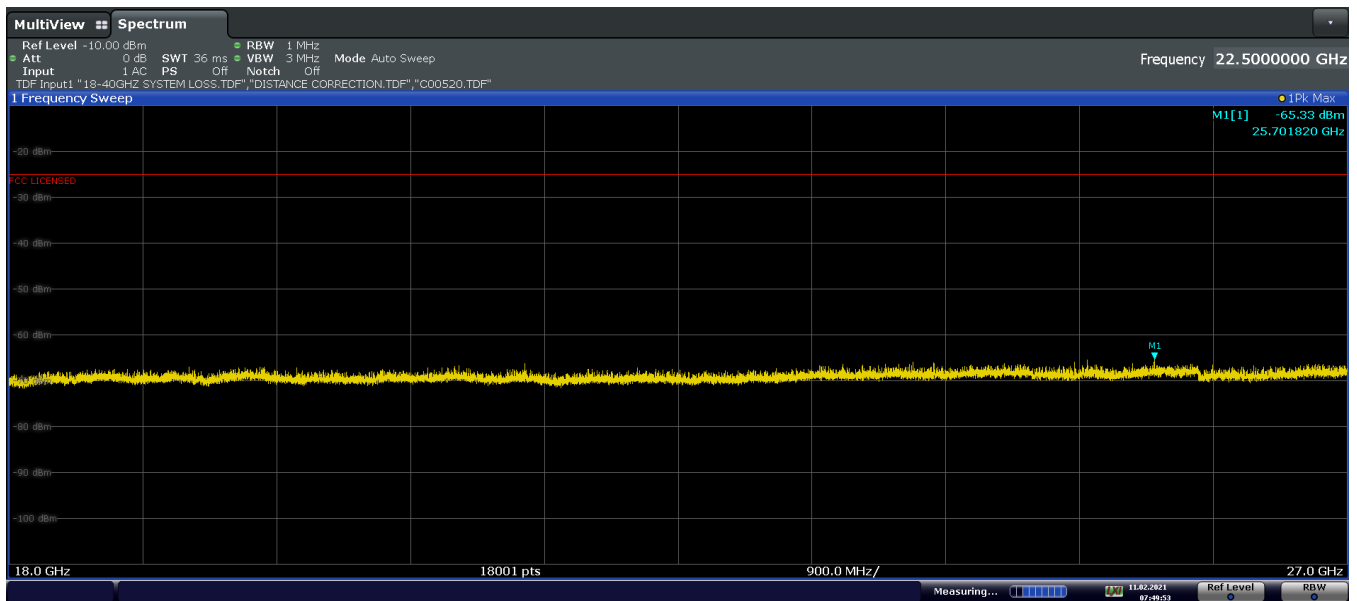


Plot 7-251. Antenna 3 Radiated Spurious Emission above 18GHz (ULCA LTE B7, Pol. H)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 189 of 224

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Plot 7-252. Antenna 3 Radiated Spurious Emission above 18GHz (ULCA LTE B7, Pol. V)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality 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]
5040.0	-	-	-	-81.09	6.90	32.81	-62.45	-25.00	-37.45
7560.0	-	-	-	-80.28	11.09	37.81	-57.45	-25.00	-32.45
10080.0	-	-	-	-81.70	14.16	39.46	-55.80	-25.00	-30.80

Table 7-47. Radiated Spurious Data (ULCA LTE B7 – 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]
5090.0	-	-	-	-80.32	7.36	34.04	-61.22	-25.00	-36.22
7635.0	-	-	-	-80.53	11.44	37.91	-57.35	-25.00	-32.35
10180.0	-	-	-	-81.83	14.78	39.95	-55.30	-25.00	-30.30

Table 7-48. Radiated Spurious Data (ULCA LTE B7 – 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]
5140.0	-	-	-	-80.27	7.08	33.81	-61.45	-25.00	-36.45
7710.0	-	-	-	-80.56	11.29	37.73	-57.53	-25.00	-32.53
10280.0	-	-	-	-81.49	14.57	40.08	-55.18	-25.00	-30.18

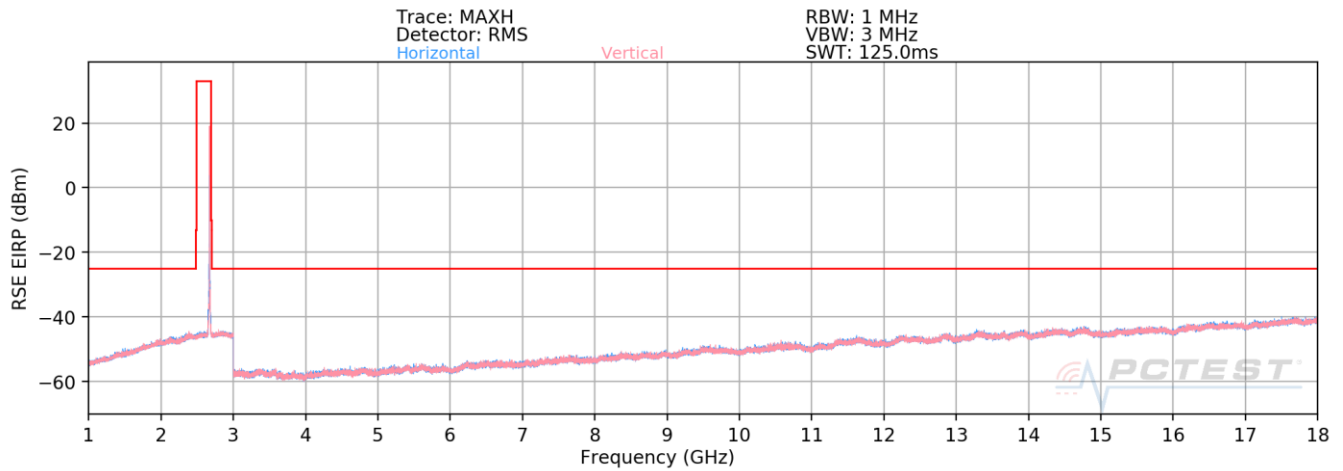
Table 7-49. Radiated Spurious Data (ULCA LTE B7 – High Channel)

FCC ID: BCGA2379	 PCTEST Proud to be part of 	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 191 of 224

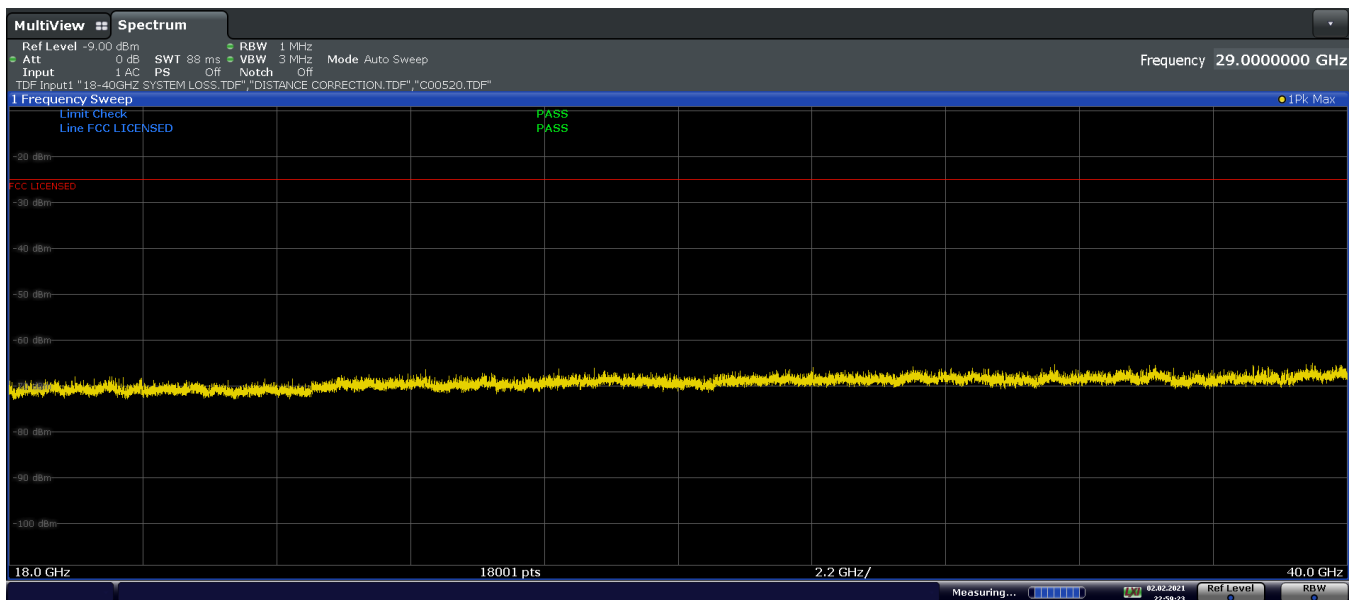
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ULCA - LTE B41



Plot 7-253. Antenna 3 Radiated Spurious Emission 1GHz – 18GHz (ULCA LTE B41)

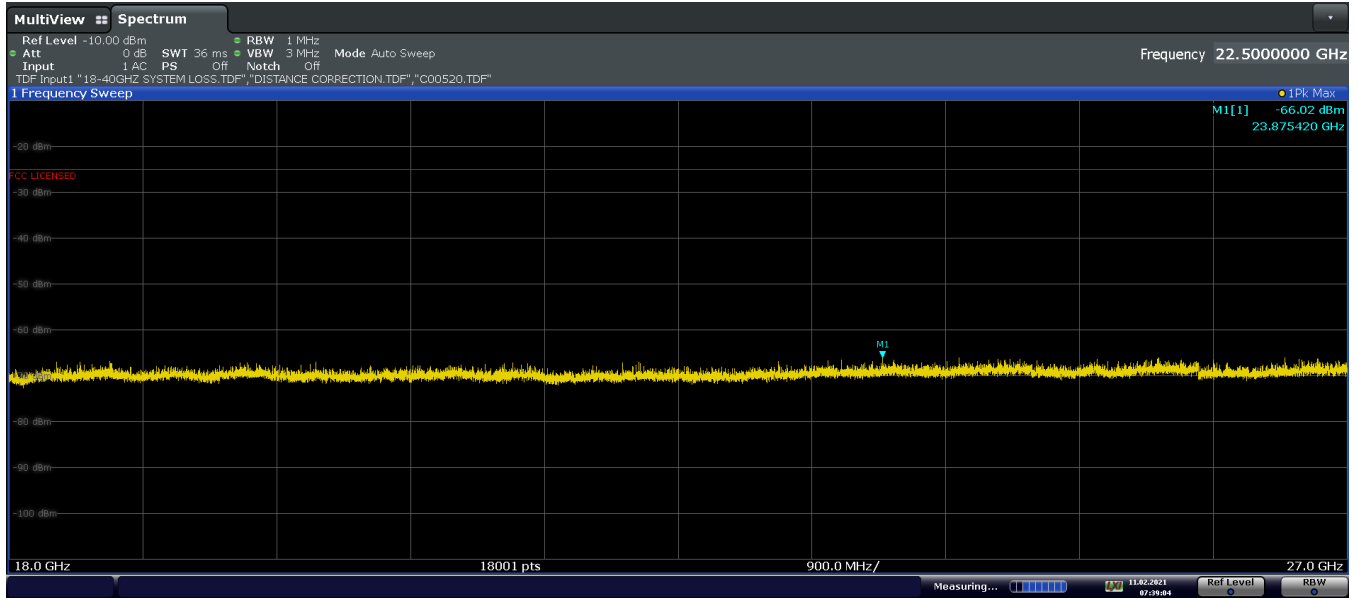


Plot 7-254. Antenna 3 Radiated Spurious Emission above 18GHz (ULCA LTE B41)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 192 of 224

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Plot 7-255. Antenna 3 Radiated Spurious Emission above 18GHz (ULCA LTE B41)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 193 of 224

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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]
5032.0	V	-	-	-72.36	9.73	44.37	-50.89	-25.00	-25.89
7548.0	V	-	-	-73.64	15.20	48.56	-46.69	-25.00	-21.69
10064.0	V	-	-	-75.07	18.74	50.67	-44.59	-25.00	-19.59

Table 7-50. Radiated Spurious Data (ULCA LTE B41 – 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]
5206.0	V	-	-	-72.16	9.87	44.71	-50.55	-25.00	-25.55
7809.0	V	-	-	-73.51	14.56	48.05	-47.21	-25.00	-22.21
10412.0	V	-	-	-74.74	19.26	51.52	-43.74	-25.00	-18.74

Table 7-51. Radiated Spurious Data (ULCA LTE B41 – 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]
5380.0	V	-	-	-71.88	7.70	42.82	-52.44	-25.00	-27.44
8070.0	V	-	-	-73.44	11.65	45.21	-50.05	-25.00	-25.05
10760.0	V	264	158	-72.21	15.85	50.64	-44.61	-25.00	-19.61
13450.0	V	-	-	-75.06	18.93	50.87	-44.39	-25.00	-19.39
16140.0	V	-	-	-75.98	21.79	52.81	-42.44	-25.00	-17.44

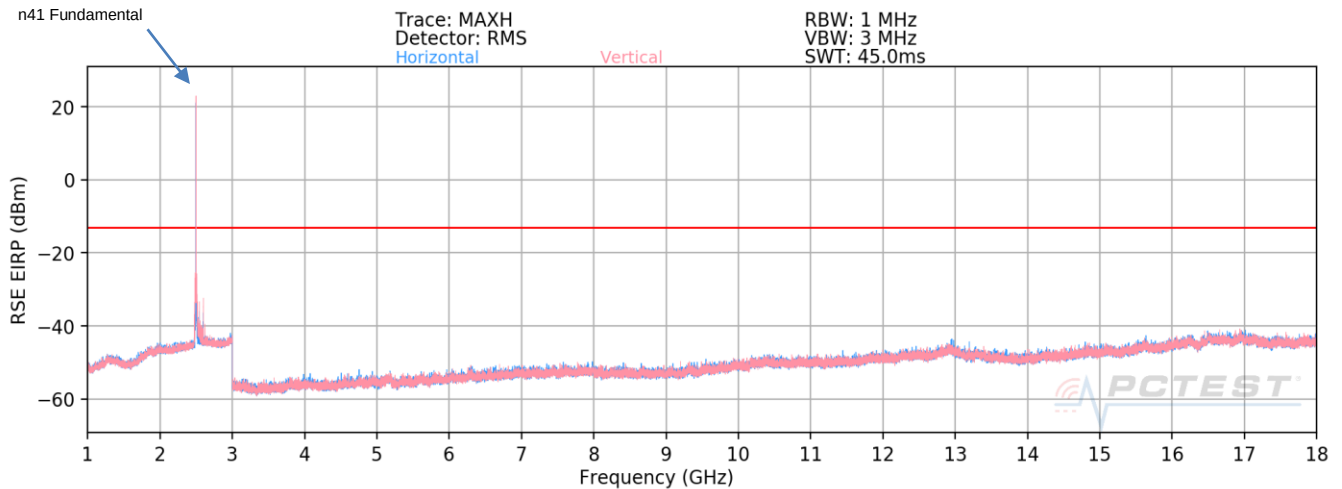
Table 7-52. Radiated Spurious Data (ULCA LTE B41 – High Channel)

FCC ID: BCGA2379	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 194 of 224

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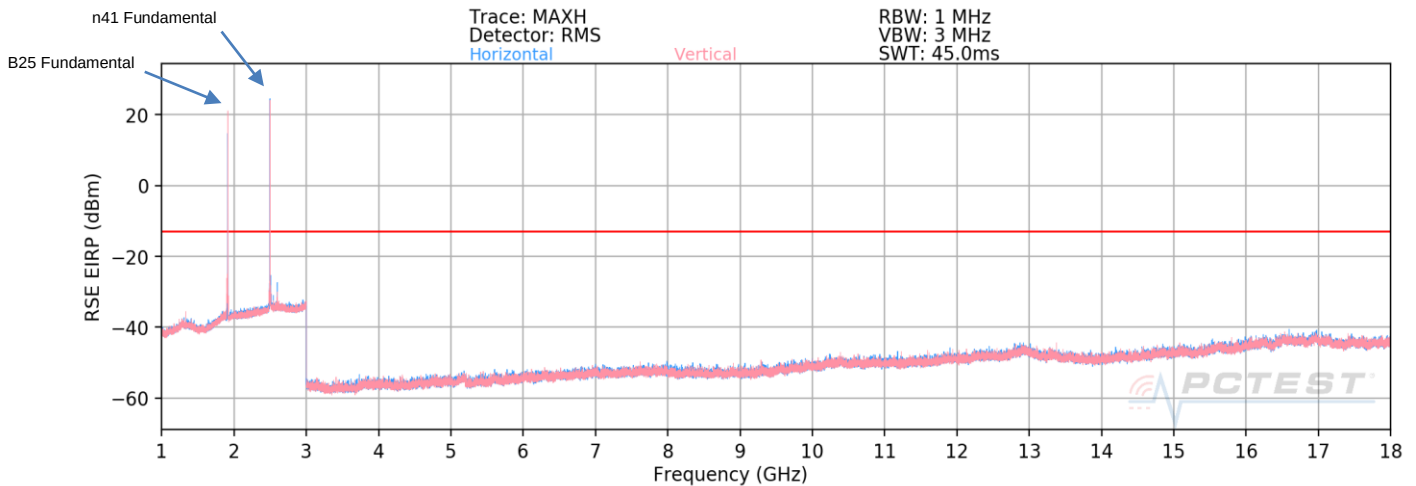
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EN-DC – n41 + LTE Band 26



Plot 7-256. Radiated Spurious Emission 1GHz – 18GHz (NR Band n41 + Anchor LTE Band 26 – EN-DC)

EN-DC – n41 + LTE Band 25



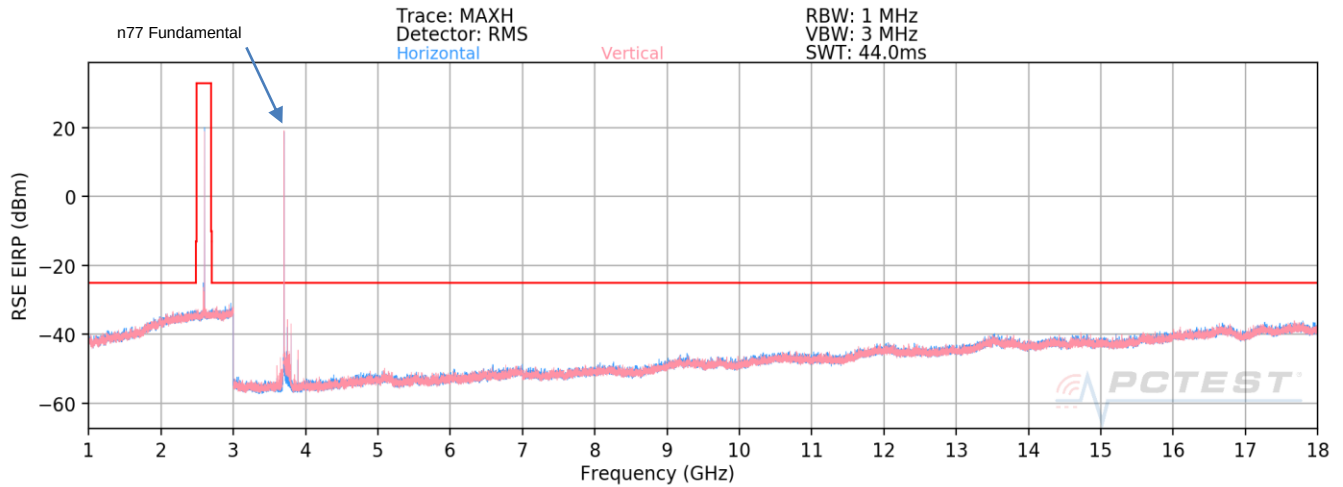
Plot 7-257. Radiated Spurious Emission 1GHz – 18GHz (NR Band n41 + Anchor LTE Band 25 – EN-DC)

FCC ID: BCGA2379	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device		Page 195 of 224

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EN-DC – n77 + LTE Band 41



Plot 7-258. Radiated Spurious Emission 1GHz – 18GHz (NR Band n77 + Anchor LTE Band 66 – EN-DC)

FCC ID: BCGA2379	 PCTEST Proud to be part of 	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 196 of 224

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7.7.2 Antenna 1 Radiated Spurious Emission Measurements

LTE Band 30

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]
4615.0	V	269	12	-76.48	5.80	36.32	-58.93	-40.00	-18.93
6922.5	-	-	-	-79.65	9.29	36.64	-58.62	-40.00	-18.62
9230.0	-	-	-	-80.75	13.86	40.11	-55.15	-40.00	-15.15
11537.5	-	-	-	-80.73	16.64	42.91	-52.35	-40.00	-12.35

Table 7-53. 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	102	15	-77.60	5.63	35.03	-60.23	-40.00	-20.23
6930.0	-	-	-	-79.63	9.43	36.80	-58.45	-40.00	-18.45
9240.0	-	-	-	-80.74	13.91	40.17	-55.08	-40.00	-15.08
11550.0	-	-	-	-80.73	16.62	42.89	-52.37	-40.00	-12.37

Table 7-54. Radiated Spurious Data (LTE Band 30 – Mid 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]
4625.00	V	281	15	-76.22	5.57	36.35	-58.91	-40.00	-18.91
6937.50	-	-	-	-79.59	9.45	36.86	-58.40	-40.00	-18.40
9250.00	-	-	-	-80.95	14.03	40.08	-55.17	-40.00	-15.17
11562.50	-	-	-	-80.75	16.87	43.12	-52.14	-40.00	-12.14

Table 7-55. Radiated Spurious Data (LTE Band 30 – High Channel)

FCC ID: BCGA2379	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 197 of 224

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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	-	-	-	-80.01	6.90	33.89	-61.37	-25.00	-36.37
7530.0	-	-	-	-79.74	11.09	38.35	-56.91	-25.00	-31.91
10040.0	-	-	-	-81.61	14.16	39.55	-55.71	-25.00	-30.71

Table 7-56. 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	-	-	-	-82.28	7.36	32.08	-63.18	-25.00	-38.18
7605.0	-	-	-	-81.57	11.44	36.87	-58.39	-25.00	-33.39
10140.0	-	-	-	-82.66	14.78	39.12	-56.13	-25.00	-31.13

Table 7-57. 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	-	-	-	-80.19	7.08	33.89	-61.37	-25.00	-36.37
7680.00	-	-	-	-80.38	11.29	37.91	-57.35	-25.00	-32.35
10240.00	-	-	-	-81.25	14.57	40.32	-54.94	-25.00	-29.94

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

FCC ID: BCGA2379	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 198 of 224

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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	-	-	-	-71.45	6.90	42.45	-52.81	-25.00	-27.81
7518.0	-	-	-	-71.40	11.09	46.69	-48.57	-25.00	-23.57
10024.0	-	-	-	-73.46	14.16	47.70	-47.56	-25.00	-22.56

Table 7-59. 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	-	-	-	-68.73	6.36	44.63	-50.63	-25.00	-25.63
7779.0	-	-	-	-69.71	11.08	48.37	-46.88	-25.00	-21.88
10372.0	-	-	-	-70.94	14.96	51.02	-44.24	-25.00	-19.24

Table 7-60. 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	-	-	-	-69.97	7.70	44.73	-50.53	-25.00	-25.53
8040.0	-	-	-	-71.37	11.65	47.28	-47.98	-25.00	-22.98
10720.0	V	268	143	-66.07	15.85	56.78	-38.47	-25.00	-13.47
13400.0	-	-	-	-72.83	18.93	53.10	-42.16	-25.00	-17.16
16080.0	-	-	-	-73.60	21.79	55.19	-40.06	-25.00	-15.06

Table 7-61. Radiated Spurious Data (LTE Band 41 – High Channel)

FCC ID: BCGA2379	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 199 of 224

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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	-	-	-	-70.53	4.53	41.00	-54.26	-25.00	-29.26
7638.0	-	-	-	-71.95	8.92	43.97	-51.29	-25.00	-26.29
10184.0	-	-	-	-75.88	13.80	44.92	-50.34	-25.00	-25.34

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	-	-	-	-70.88	5.08	41.20	-54.05	-25.00	-29.05
7779.0	-	-	-	-72.02	8.58	43.56	-51.70	-25.00	-26.70
10372.0	-	-	-	-75.62	13.68	45.06	-50.19	-25.00	-25.19

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	-	-	-	-70.40	5.03	41.63	-53.63	-25.00	-28.63
7920.0	-	-	-	-73.03	10.22	44.19	-51.07	-25.00	-26.07
10560.0	-	-	-	-75.80	14.05	45.25	-50.01	-25.00	-25.01

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

FCC ID: BCGA2379	 PCTEST Proud to be part of 	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
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ULCA - LTE B7

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]
5040.0	-	-	-	-81.05	6.90	32.85	-62.41	-25.00	-37.41
7560.0	-	-	-	-80.20	11.09	37.89	-57.37	-25.00	-32.37
10080.0	-	-	-	-81.70	14.16	39.46	-55.80	-25.00	-30.80

Table 7-65. Radiated Spurious Data (ULCA LTE B7 – 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]
5090.0	-	-	-	-80.49	7.36	33.87	-61.39	-25.00	-36.39
7635.0	-	-	-	-80.54	11.44	37.90	-57.36	-25.00	-32.36
10180.0	-	-	-	-81.64	14.78	40.14	-55.11	-25.00	-30.11

Table 7-66. Radiated Spurious Data (ULCA LTE B7 – 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]
5140.0	-	-	-	-80.34	7.08	33.74	-61.52	-25.00	-36.52
7710.0	-	-	-	-80.48	11.29	37.81	-57.45	-25.00	-32.45
10280.0	-	-	-	-81.48	14.57	40.09	-55.17	-25.00	-30.17

Table 7-67. Radiated Spurious Data (ULCA LTE B7 – High Channel)

FCC ID: BCGA2379	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
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ULCA - LTE B41

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]
5032.0	V	-	-	-73.79	6.72	39.93	-55.32	-25.00	-30.32
7548.0	V	269	345	-71.39	11.04	46.65	-48.61	-25.00	-23.61
10064.0	V	-	-	-74.59	14.33	46.74	-48.52	-25.00	-23.52
12580.0	V	-	-	-74.91	18.34	50.43	-44.83	-25.00	-19.83
15096.0	V	-	-	-75.09	20.65	52.56	-42.70	-25.00	-17.70

Table 7-68. Radiated Spurious Data (ULCA LTE B41 – 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]
5206.0	V	-	-	-71.26	6.36	42.10	-53.16	-25.00	-28.16
7809.0	V	244	344	-72.48	11.08	45.60	-49.65	-25.00	-24.65
10412.0	V	-	-	-74.11	14.96	47.85	-47.41	-25.00	-22.41
13015.0	V	-	-	-75.15	18.22	50.07	-45.19	-25.00	-20.19
15618.0	V	-	-	-74.76	21.13	53.37	-41.89	-25.00	-16.89

Table 7-69. Radiated Spurious Data (ULCA LTE B41 – 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]
5380.0	V	330	24	-71.40	7.70	43.30	-51.96	-25.00	-26.96
8070.0	V	-	-	-73.59	11.65	45.06	-50.20	-25.00	-25.20
10760.0	V	256	152	-72.96	15.85	49.89	-45.36	-25.00	-20.36
13450.0	V	-	-	-74.94	18.93	50.99	-44.27	-25.00	-19.27
16140.0	V	-	-	-75.58	21.79	53.21	-42.04	-25.00	-17.04

Table 7-70. Radiated Spurious Data (ULCA LTE B41 – High Channel)

FCC ID: BCGA2379	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 202 of 224

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7.7.3 Antenna 4b Radiated Spurious Emission Measurements

LTE Band 30

Bandwidth (MHz):	5
Frequency (MHz):	2307.5
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]
4615.0	-	-	-	-78.45	15.15	43.70	-51.56	-40.00	-11.56
6922.5	-	-	-	-79.66	18.86	46.20	-49.06	-40.00	-9.06
9230.0	-	-	-	-80.99	22.64	48.65	-46.60	-40.00	-6.60

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	-	-	-	-78.51	15.13	43.62	-51.64	-40.00	-11.64
6930.0	-	-	-	-79.72	18.94	46.22	-49.03	-40.00	-9.03
9240.0	-	-	-	-81.01	22.62	48.61	-46.65	-40.00	-6.65

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

Bandwidth (MHz):	5
Frequency (MHz):	2312.5
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]
4625.00	-	-	-	-78.01	15.11	44.10	-51.15	-40.00	-11.15
6937.50	-	-	-	-79.52	18.93	46.41	-48.84	-40.00	-8.84
9250.00	-	-	-	-80.90	22.65	48.75	-46.51	-40.00	-6.51

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

FCC ID: BCGA2379	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 203 of 224

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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	-	-	-	-79.88	15.81	42.93	-52.32	-25.00	-27.32
7530.0	-	-	-	-79.81	20.27	47.46	-47.80	-25.00	-22.80
10040.0	-	-	-	-81.66	23.88	49.22	-46.04	-25.00	-21.04

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	-	-	-	-80.83	15.73	41.90	-53.36	-25.00	-28.36
7605.0	-	-	-	-80.19	20.44	47.25	-48.01	-25.00	-23.01
10140.0	-	-	-	-81.46	24.11	49.65	-45.61	-25.00	-20.61

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	-	-	-	-80.49	15.80	42.31	-52.95	-25.00	-27.95
7680.00	-	-	-	-80.41	20.64	47.23	-48.03	-25.00	-23.03
10240.00	-	-	-	-81.31	24.06	49.75	-45.51	-25.00	-20.51

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

FCC ID: BCGA2379	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 204 of 224

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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	-	-	-	-71.71	6.72	42.01	-62.79	-25.00	-37.79
7518.0	-	-	-	-71.37	11.07	46.70	-58.10	-25.00	-33.10
10024.0	-	-	-	-73.40	14.26	47.86	-56.94	-25.00	-31.94

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	-	-	-	-71.56	6.36	41.80	-63.00	-25.00	-38.00
7779.0	-	-	-	-72.95	11.08	45.13	-59.67	-25.00	-34.67
10372.0	-	-	-	-84.05	14.96	37.91	-66.89	-25.00	-41.89

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	-	-	-	-70.84	7.70	43.86	-60.94	-25.00	-35.94
8040.0	-	-	-	-72.25	11.65	46.40	-58.40	-25.00	-33.40
10720.0	V	183	168	-70.19	15.85	52.66	-52.14	-25.00	-27.14
13400.0	-	-	-	-73.73	18.93	52.20	-52.60	-25.00	-27.60
16080.0	-	-	-	-74.45	21.79	54.34	-50.46	-25.00	-25.46

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

FCC ID: BCGA2379	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 205 of 224

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NR Band n41

Bandwidth (MHz):	100
Frequency (MHz):	2550.0
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]
5100.0	V	-	-	-69.94	4.53	41.59	-63.21	-25.00	-38.21
7650.0	V	-	-	-72.13	8.92	43.79	-61.01	-25.00	-36.01
10200.0	V	-	-	-75.70	13.80	45.10	-59.70	-25.00	-34.70

Table 7-80. 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	-	-	-	-70.61	5.08	41.47	-63.33	-25.00	-38.33
7779.0	-	-	-	-71.92	8.58	43.66	-61.14	-25.00	-36.14
10372.0	-	-	-	-75.32	13.68	45.36	-59.44	-25.00	-34.44

Table 7-81. 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	-	-	-	-70.22	5.03	41.81	-62.99	-25.00	-37.99
7920.0	-	-	-	-72.70	10.22	44.52	-60.28	-25.00	-35.28
10560.0	-	-	-	-75.39	14.05	45.66	-59.14	-25.00	-34.14

Table 7-82. Radiated Spurious Data (NR Band n41 – High Channel)

FCC ID: BCGA2379	 PCTEST Proud to be part of 	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
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ULCA - LTE B7

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]
5040.0	-	-	-	-81.09	6.90	32.81	-62.45	-25.00	-37.45
7560.0	-	-	-	-80.28	11.09	37.81	-57.45	-25.00	-32.45
10080.0	-	-	-	-81.70	14.16	39.46	-55.80	-25.00	-30.80

Table 7-83. Radiated Spurious Data (ULCA LTE B7 – 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]
5090.0	-	-	-	-80.32	7.36	34.04	-61.22	-25.00	-36.22
7635.0	-	-	-	-80.53	11.44	37.91	-57.35	-25.00	-32.35
10180.0	-	-	-	-81.83	14.78	39.95	-55.30	-25.00	-30.30

Table 7-84. Radiated Spurious Data (ULCA LTE B7 – 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]
5140.0	-	-	-	-80.27	7.08	33.81	-61.45	-25.00	-36.45
7710.0	-	-	-	-80.56	11.29	37.73	-57.53	-25.00	-32.53
10280.0	-	-	-	-81.49	14.57	40.08	-55.18	-25.00	-30.18

Table 7-85. Radiated Spurious Data (ULCA LTE B7 – High Channel)

FCC ID: BCGA2379	 PCTEST Proud to be part of 	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
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ULCA - LTE B41

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]
5032.0	V	-	-	-70.29	6.72	43.43	-61.37	-25.00	-36.37
7548.0	V	-	-	-69.15	11.04	48.89	-55.91	-25.00	-30.91
10064.0	V	-	-	-70.72	14.33	50.61	-54.19	-25.00	-29.19

Table 7-86. Radiated Spurious Data (ULCA LTE B41 – 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]
5206.0	V	-	-	-67.71	6.36	45.65	-59.15	-25.00	-34.15
7809.0	V	-	-	-69.81	11.08	48.27	-56.53	-25.00	-31.53
10412.0	V	-	-	-70.25	14.96	51.71	-53.09	-25.00	-28.09

Table 7-87. Radiated Spurious Data (ULCA LTE B41 – 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]
5380.0	V	-	-	-68.32	7.70	46.38	-58.42	-25.00	-33.42
8070.0	V	-	-	-70.04	11.65	48.61	-56.19	-25.00	-31.19
10760.0	V	398	183	-68.61	15.85	54.24	-50.56	-25.00	-25.56
13450.0	V	-	-	-72.35	18.93	53.58	-51.22	-25.00	-26.22
16140.0	V	-	-	-72.46	21.79	56.33	-48.47	-25.00	-23.47

Table 7-88. Radiated Spurious Data (ULCA LTE B41 – High Channel)

FCC ID: BCGA2379	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
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7.7.4 Antenna 2b Radiated Spurious Emission Measurements

LTE Band 30

Bandwidth (MHz):	5
Frequency (MHz):	2307.5
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]
4615.0	H	237	254	-81.67	8.55	33.88	-61.38	-40.00	-21.38
6922.5	-	-	-	-84.15	13.26	36.11	-59.15	-40.00	-19.15
9230.0	-	-	-	-84.07	16.99	39.92	-55.34	-40.00	-15.34
11537.5	-	-	-	-85.51	20.62	42.11	-53.15	-40.00	-13.15

Table 7-89. 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	-	-	-	-81.87	8.59	33.72	-61.54	-40.00	-21.54
6930.0	-	-	-	-84.01	13.20	36.19	-59.07	-40.00	-19.07
9240.0	-	-	-	-84.00	17.00	40.00	-55.26	-40.00	-15.26

Table 7-90. Radiated Spurious Data (LTE Band 30 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	2312.5
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]
4625.00	-	-	-	-81.91	8.66	33.75	-61.51	-40.00	-21.51
6937.50	-	-	-	-84.04	13.23	36.19	-59.06	-40.00	-19.06
9250.00	-	-	-	-83.76	17.03	40.27	-54.99	-40.00	-14.99

Table 7-91. Radiated Spurious Data (LTE Band 30 – High Channel)

FCC ID: BCGA2379	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device	Page 209 of 224

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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	-	-	-	-79.87	15.81	42.94	-52.31	-25.00	-27.31
7530.0	H	399	281	-78.05	20.27	49.22	-46.04	-25.00	-21.04
10040.0	-	-	-	-81.66	23.88	49.22	-46.04	-25.00	-21.04
12550.0	-	-	-	-81.77	27.29	52.52	-42.74	-25.00	-17.74
15060.0	-	-	-	-82.82	29.89	54.07	-41.19	-25.00	-16.19

Table 7-92. 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	-	-	-	-80.91	15.73	41.82	-53.44	-25.00	-28.44
7605.0	H	297	299	-78.29	20.44	49.15	-46.11	-25.00	-21.11
10140.0	-	-	-	-81.48	24.11	49.63	-45.63	-25.00	-20.63
12675.0	-	-	-	-81.65	27.69	53.04	-42.22	-25.00	-17.22
15210.0	-	-	-	-81.95	29.82	54.87	-40.39	-25.00	-15.39

Table 7-93. 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	-	-	-	-80.34	15.80	42.46	-52.80	-25.00	-27.80
7680.00	H	398	277	-79.93	20.64	47.71	-47.55	-25.00	-22.55
10240.00	-	-	-	-81.33	24.06	49.73	-45.53	-25.00	-20.53
12800.00	-	-	-	-82.20	27.80	52.60	-42.66	-25.00	-17.66
15360.00	-	-	-	-82.93	30.19	54.26	-40.99	-25.00	-15.99

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

FCC ID: BCGA2379	 PCTEST Proud to be part of 	PART 27 MEASUREMENT REPORT	Approved by: Quality 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	-	-	-	-71.60	6.72	42.12	-62.68	-25.00	-37.68
7518.0	-	-	-	-71.44	11.07	46.63	-58.17	-25.00	-33.17
10024.0	-	-	-	-73.43	14.26	47.83	-56.97	-25.00	-31.97

Table 7-95. Radiated Spurious Data (LTE Band 41(PC2) – 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	-	-	-	-70.70	6.36	42.66	-62.14	-25.00	-37.14
7779.0	-	-	-	-71.78	11.08	46.30	-58.50	-25.00	-33.50
10372.0	-	-	-	-72.75	14.96	49.21	-55.59	-25.00	-30.59

Table 7-96. Radiated Spurious Data (LTE Band 41(PC2) – 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	-	-	-	-71.11	7.70	43.59	-61.21	-25.00	-36.21
8040.0	-	-	-	-72.10	11.65	46.55	-58.25	-25.00	-33.25
10720.0	V	305	192	-67.92	15.85	54.93	-49.87	-25.00	-24.87
13400.0	-	-	-	-73.80	18.93	52.13	-52.67	-25.00	-27.67
16080.0	-	-	-	-74.48	21.79	54.31	-50.49	-25.00	-25.49

Table 7-97. Radiated Spurious Data (LTE Band 41(PC2) – High Channel)

FCC ID: BCGA2379	 PCTEST Proud to be part of 	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
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NR Band n41

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]
5032.0	V	-	-	-70.31	6.72	43.41	-61.39	-25.00	-36.39
7548.0	V	-	-	-69.53	11.04	48.51	-56.29	-25.00	-31.29
10064.0	V	-	-	-71.11	14.33	50.22	-54.58	-25.00	-29.58

Table 7-98. Radiated Spurious Data (NR Band n41 – 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]
5206.0	V	-	-	-67.72	6.36	45.64	-59.16	-25.00	-34.16
7809.0	V	-	-	-70.34	11.08	47.74	-57.06	-25.00	-32.06
10412.0	V	-	-	-70.41	14.96	51.55	-53.25	-25.00	-28.25

Table 7-99. Radiated Spurious Data (NR Band n41 – 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]
5380.0	V	-	-	-68.52	7.70	46.18	-58.62	-25.00	-33.62
8070.0	V	-	-	-70.35	11.65	48.30	-56.50	-25.00	-31.50
10760.0	V	-	-	-70.58	15.85	52.27	-52.53	-25.00	-27.53

Table 7-100. Radiated Spurious Data (NR Band n41 – High Channel)

FCC ID: BCGA2379	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
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ULCA - LTE B7

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]
5040.0	-	-	-	-80.26	6.90	33.64	-61.62	-25.00	-36.62
7560.0	-	-	-	-80.26	11.09	37.83	-57.43	-25.00	-32.43
10080.0	-	-	-	-81.09	14.16	40.07	-55.19	-25.00	-30.19

Table 7-101. Radiated Spurious Data (ULCA LTE B7 – 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]
5090.0	-	-	-	-80.47	7.36	33.89	-61.37	-25.00	-36.37
7635.0	-	-	-	-80.51	11.44	37.93	-57.33	-25.00	-32.33
10180.0	-	-	-	-81.70	14.78	40.08	-55.17	-25.00	-30.17

Table 7-102. Radiated Spurious Data (ULCA LTE B7 – 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]
5140.0	-	-	-	-80.34	7.08	33.74	-61.52	-25.00	-36.52
7710.0	-	-	-	-80.47	11.29	37.82	-57.44	-25.00	-32.44
10280.0	-	-	-	-81.36	14.57	40.21	-55.05	-25.00	-30.05

Table 7-103. Radiated Spurious Data (ULCA LTE B7 – High Channel)

FCC ID: BCGA2379	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
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ULCA - LTE B41

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]
5032.0	V	-	-	-70.31	6.72	43.41	-61.39	-25.00	-36.39
7548.0	V	-	-	-69.53	11.04	48.51	-56.29	-25.00	-31.29
10064.0	V	-	-	-71.11	14.33	50.22	-54.58	-25.00	-29.58

Table 7-104. Radiated Spurious Data (ULCA LTE B41 – 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]
5206.0	V	-	-	-67.72	6.36	45.64	-59.16	-25.00	-34.16
7809.0	V	-	-	-70.34	11.08	47.74	-57.06	-25.00	-32.06
10412.0	V	-	-	-70.41	14.96	51.55	-53.25	-25.00	-28.25

Table 7-105. Radiated Spurious Data (ULCA LTE B41 – 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]
5380.0	V	-	-	-68.52	7.70	46.18	-58.62	-25.00	-33.62
8070.0	V	-	-	-70.35	11.65	48.30	-56.50	-25.00	-31.50
10760.0	V	-	-	-70.58	15.85	52.27	-52.53	-25.00	-27.53

Table 7-106. Radiated Spurious Data (ULCA LTE B41 – High Channel)

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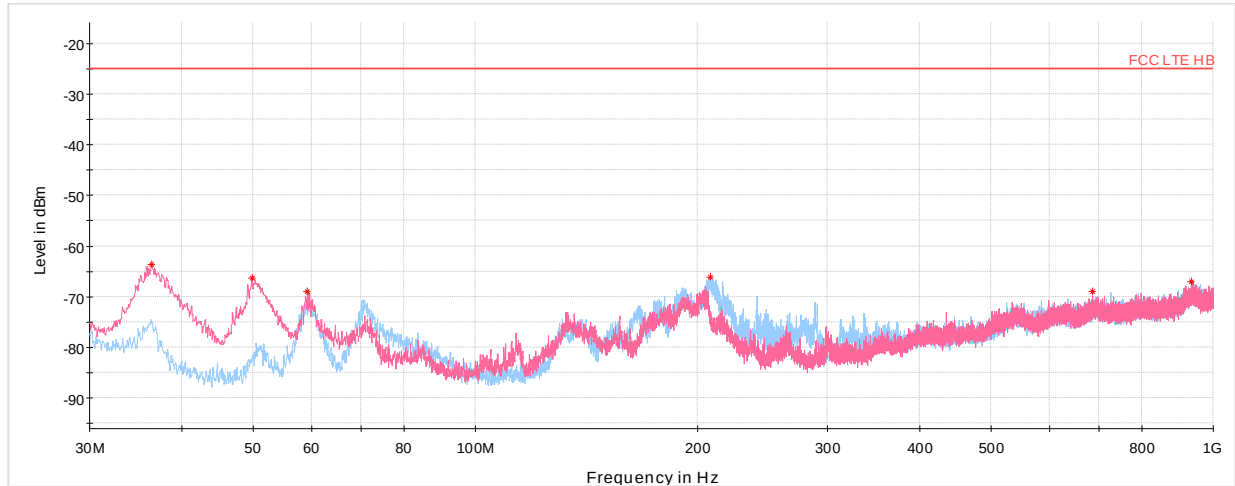
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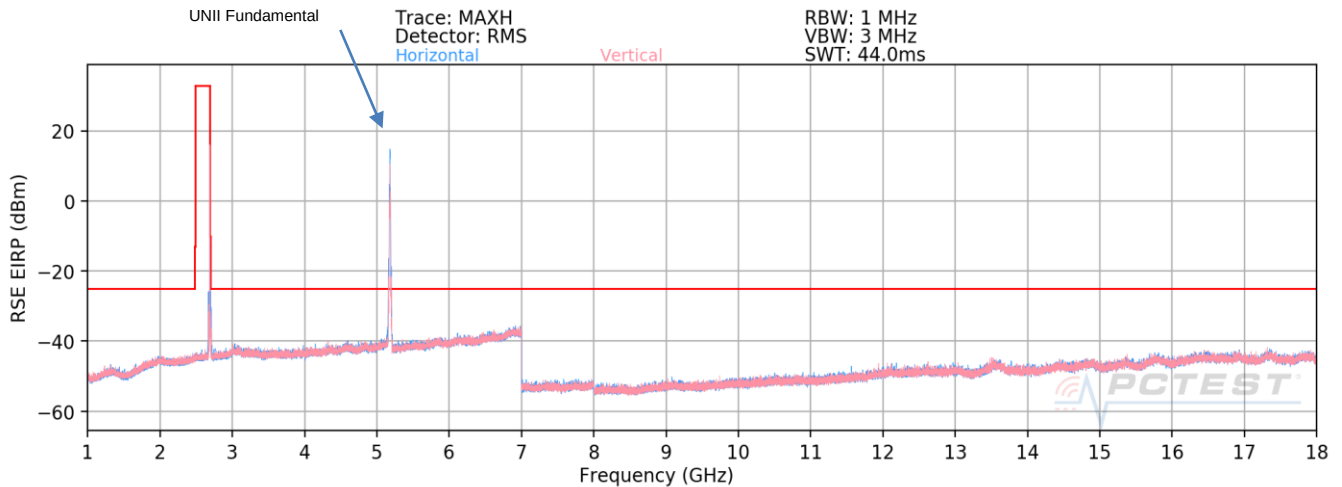
7.7.5 Simultaneous Tx Radiated Spurious Emissions Measurements

Description	LTE (Band 41)	UNII (11ax)
Antenna	Antenna 4b	Antenna 4b
Channel	41490	36
Operating Frequency (MHz)	2680	5180
Mode/Modulation	QPSK/1RB/20MHz	11ax/RU26/Index 0

Table 7-107. Worst Case Simultaneous Transmission Configuration

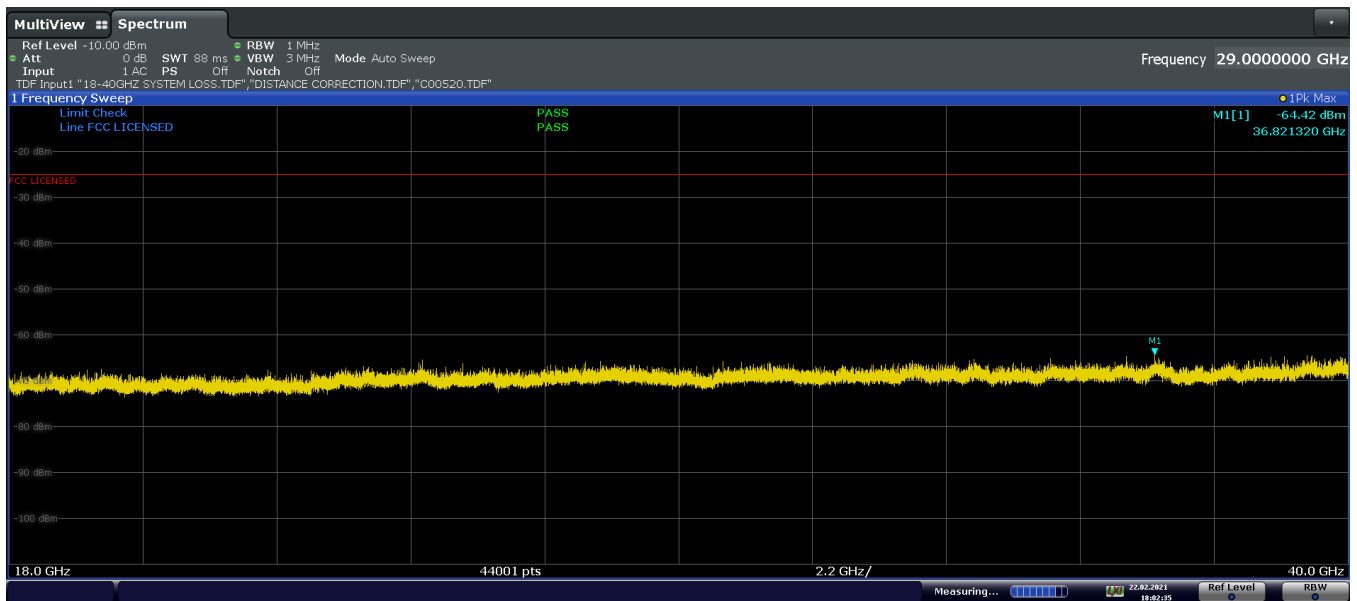


Plot 7-259. Radiated Spurious Emissions – Simultaneous Transmission 30MHz – 1GHz

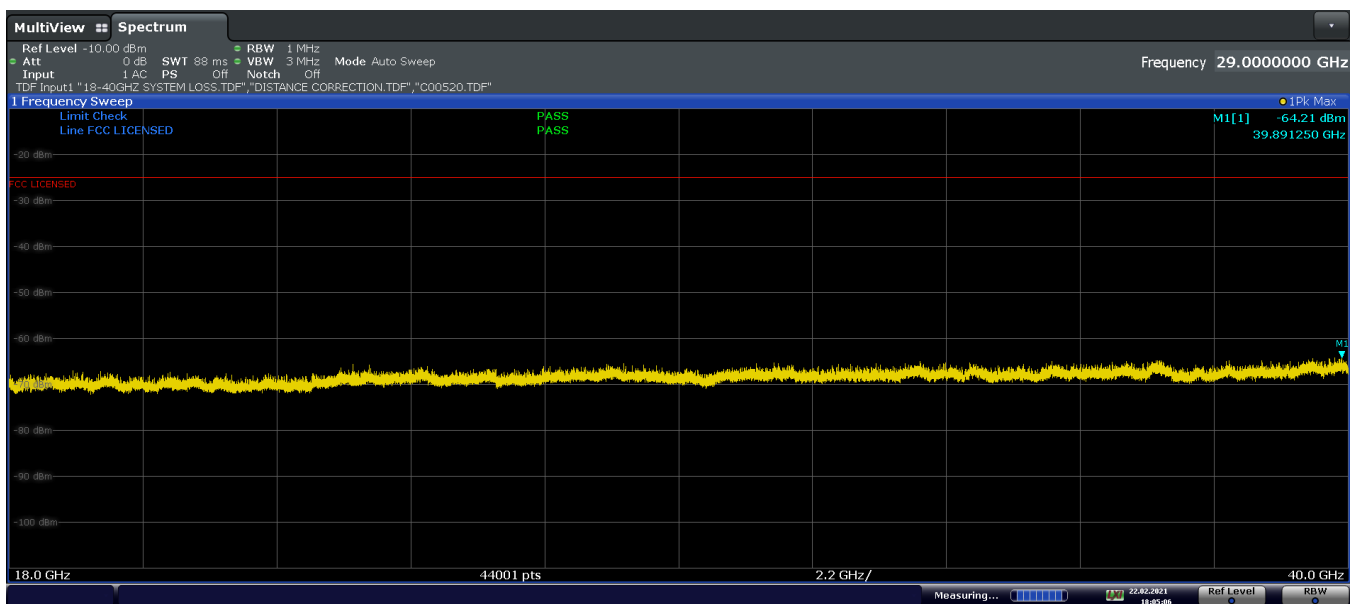


Plot 7-260. Radiated Spurious Emissions - Simultaneous Transmission 1-18GHz

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Plot 7-261. Radiated Spurious Emissions - Simultaneous Transmission 18GHz-40GHz Pol. H



Plot 7-262. Radiated Spurious Emissions - Simultaneous Transmission 18GHz-40GHz Pol. V

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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	H	196	283	-69.99	14.04	51.05	68.20	-17.15
15540.00	Avg	H	-	-	-85.36	20.21	41.85	53.98	-12.13
15540.00	Peak	H	-	-	-74.09	20.21	53.12	73.98	-20.86

Table 7-108. UNII Harmonics Emissions Measurements in Simultaneous Transmission Mode

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	-	-	-68.16	5.31	44.15	-51.11	-13.00	-38.11
8040.0	H	-	-	-72.00	10.14	45.14	-50.12	-13.00	-37.12
10720.0	H	-	-	-74.88	14.87	46.99	-48.27	-13.00	-35.27
7680.0	H	188	152	-68.35	9.77	48.42	-46.84	-13.00	-33.84

Table 7-109. LTE Harmonics and Intermodulations 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:

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

For Part 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

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

Test Setup

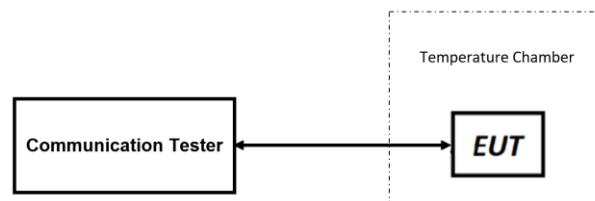


Figure 7-8. Test Instrument & Measurement Setup

Test Notes

1. All port were tested and only the worst case data were reported
2. NR bands with wider bandwidths compared to respective LTE bands have been investigated and worst case was reported. NR Bands with equal or lower bandwidths to respective LTE bands are covered by their respective LTE Bands.

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Frequency Stability / Temperature Variation

LTE Band 30							
			Low Channel Frequency (Hz):		2,307,500,000		
			High Channel Frequency (Hz):		2,312,500,000		
			Ref. Voltage (VDC):		3.80		
Voltage (%)	Power (VDC)	Temp (°C)	Low Frequency (Hz)	High Frequency (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	2,307,499,986	2,312,499,988	-7.53	-5.95	-0.0000004
		- 20	2,307,499,989	2,312,499,988	-4.05	-5.81	-0.0000003
		- 10	2,307,499,988	2,312,499,989	-5.21	-5.01	-0.0000003
		0	2,307,499,986	2,312,499,985	-7.66	-9.05	-0.0000005
		+ 10	2,307,499,989	2,312,499,986	-4.12	-7.62	-0.0000004
		+ 20 (Ref)	2,307,499,994	2,312,499,994	-6.47	-6.32	-0.0000003
		+ 30	2,307,499,988	2,312,499,986	-5.72	-7.53	-0.0000004
		+ 40	2,307,499,985	2,312,499,988	-8.92	-5.34	-0.0000005
		+ 50	2,307,499,987	2,312,499,988	-6.07	-5.97	-0.0000003
Battery Endpoint	3.23	+ 20	2,307,499,985	2,312,499,985	-8.28	-8.60	-0.0000005

Table 7-110. LTE Band 30 Frequency Stability Data

The lowest and highest channel of this band have been tested and is determined to remain operating in-band over the temperature and voltage range as tested

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Frequency Stability / Temperature Variation

LTE Band 7							
			Low Channel Frequency (Hz):		2,510,000,000		
			High Channel Frequency (Hz):		2,560,000,000		
			Ref. Voltage (VDC):		3.80		
Voltage (%)	Power (VDC)	Temp (°C)	Low Frequency (Hz)	High Frequency (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	2,509,999,977	2,559,999,997	-10.74	-1.76	-0.0000006
		- 20	2,509,999,977	2,559,999,999	-11.62	-0.08	-0.0000006
		- 10	2,509,999,977	2,559,999,999	-10.70	-0.04	-0.0000006
		0	2,509,999,977	2,559,999,999	-11.35	-0.51	-0.0000006
		+ 10	2,509,999,978	2,559,999,997	-10.53	-1.99	-0.0000006
		+ 20 (Ref)	2,509,999,988	2,559,999,999	0.00	0.00	0.0000000
		+ 30	2,509,999,977	2,559,999,998	-10.81	-0.68	-0.0000006
		+ 40	2,509,999,977	2,559,999,998	-11.02	-1.48	-0.0000006
		+ 50	2,509,999,976	2,559,999,998	-12.37	-1.54	-0.0000007
Battery Endpoint	3.23	+ 20	2,509,999,977	2,559,999,998	-10.90	-0.72	-0.0000006

Table 7-111. LTE Band 7 Frequency Stability Data

The lowest and highest channel of this band have been tested and is determined to remain operating in-band over the temperature and voltage range as tested

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Frequency Stability / Temperature Variation

LTE Band 41							
			Low Channel Frequency (Hz):	2,506,000,000			
			High Channel Frequency (Hz):	2,580,000,000			
			Ref. Voltage (VDC):	3.80			
Voltage (%)	Power (VDC)	Temp (°C)	Low Frequency (Hz)	High Frequency (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	2,505,999,982	2,579,999,981	-8.73	-9.37	-0.0000005
		- 20	2,505,999,981	2,579,999,981	-9.99	-9.50	-0.0000005
		- 10	2,505,999,982	2,579,999,980	-8.38	-9.63	-0.0000005
		0	2,505,999,982	2,579,999,981	-8.66	-9.11	-0.0000005
		+ 10	2,505,999,981	2,579,999,981	-9.90	-9.36	-0.0000005
		+ 20 (Ref)	2,505,999,991	2,579,999,990	0.00	0.00	0.0000000
		+ 30	2,505,999,982	2,579,999,980	-8.61	-10.00	-0.0000005
		+ 40	2,505,999,981	2,579,999,981	-9.83	-9.37	-0.0000005
		+ 50	2,505,999,981	2,579,999,981	-9.40	-8.97	-0.0000005
Battery Endpoint	3.23	+ 20	2,505,999,981	2,579,999,981	-9.75	-9.05	-0.0000005

Table 7-112. LTE Band 41 Frequency Stability Data

The lowest and highest channel of this band have been tested and is determined to remain operating in-band over the temperature and voltage range as tested

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Frequency Stability / Temperature Variation

NR Band n41							
			Low Channel Frequency (Hz):		2,546,000,000		
			High Channel Frequency (Hz):		2,640,000,000		
			Ref. Voltage (VDC):		3.80		
Voltage (%)	Power (VDC)	Temp (°C)	Low Frequency (Hz)	High Frequency (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	2,545,213,595	2,638,962,530	-386,405.00	-525,470.00	-0.0283670
		- 20	2,545,157,250	2,638,930,711	-442,750.00	-557,289.00	-0.0300847
		- 10	2,545,235,000	2,638,937,000	-365,000.00	-551,000.00	-0.0297452
		0	2,545,172,000	2,638,984,000	-428,000.00	-504,000.00	-0.0272079
		+ 10	2,545,242,000	2,638,972,000	-358,000.00	-516,000.00	-0.0278558
		+ 20 (Ref)	2,545,600,000	2,639,488,000	0.00	0.00	0.0000000
		+ 30	2,545,248,000	2,638,965,000	-352,000.00	-523,000.00	-0.0282336
		+ 40	2,545,201,000	2,638,947,000	-399,000.00	-541,000.00	-0.0292054
		+ 50	2,545,197,000	2,638,944,000	-403,000.00	-544,000.00	-0.0293673
Battery Endpoint	3.23	+ 20	2,545,154,358	2,638,931,876	-445,642.00	-556,124.00	-0.0300218

Table 7-113. NR Band n41 Frequency Stability Data

The lowest and highest channel of this band have been tested and is determined to remain operating in-band over the temperature and voltage range as tested

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Frequency Stability / Temperature Variation

NR Band n77							
			Low Channel Frequency (Hz):		3,750,000,000		
			High Channel Frequency (Hz):		3,930,000,000		
			Ref. Voltage (VDC):		3.80		
Voltage (%)	Power (VDC)	Temp (°C)	Low Frequency (Hz)	High Frequency (Hz)	Low Freq. Dev. (Hz)	High Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	3,748,798,921	3,928,697,927	-595,079.00	-694,073.00	-0.0374689
		- 20	3,748,791,790	3,928,721,652	-602,210.00	-670,348.00	-0.0361881
		- 10	3,748,782,000	3,928,790,000	-612,000.00	-602,000.00	-0.0330382
		0	3,748,781,000	3,928,781,000	-613,000.00	-611,000.00	-0.0330922
		+ 10	3,748,809,000	3,928,796,000	-585,000.00	-596,000.00	-0.0321745
		+ 20 (Ref)	3,749,394,000	3,929,392,000	0.00	0.00	0.0000000
		+ 30	3,748,805,000	3,928,800,000	-589,000.00	-592,000.00	-0.0319585
		+ 40	3,748,805,000	3,928,796,000	-589,000.00	-596,000.00	-0.0321745
		+ 50	3,748,794,000	3,928,805,000	-600,000.00	-587,000.00	-0.0323904
Battery Endpoint	3.23	+ 20	3,748,875,920	3,928,721,360	-518,080.00	-670,640.00	-0.0362038

Table 7-114. NR Band n77 Frequency Stability Data

The lowest and highest channel of this band have been tested and is determined to remain operating in-band over the temperature and voltage range as tested

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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: BCGA2379** complies with all the requirements of Part 27 of the FCC rules.

FCC ID: BCGA2379	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Quality Manager
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