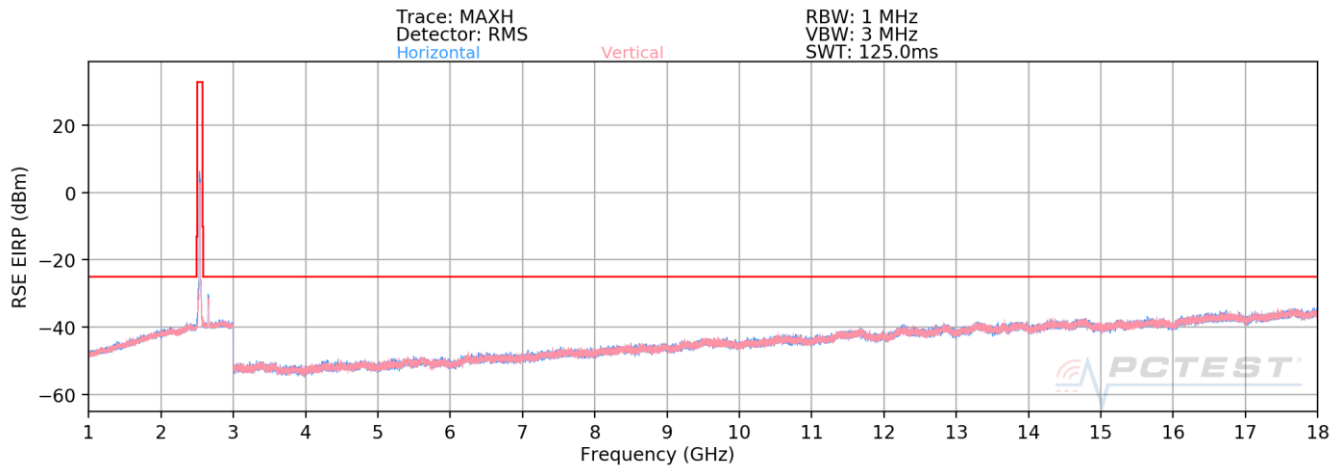
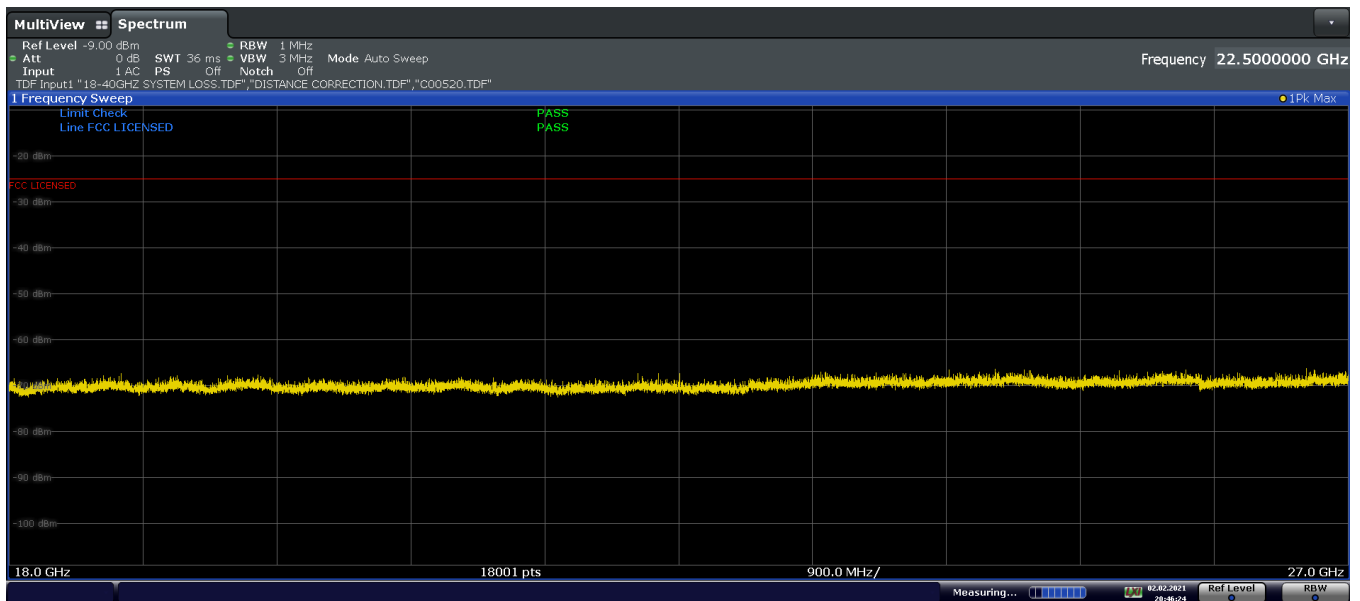


## LTE Band 7



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

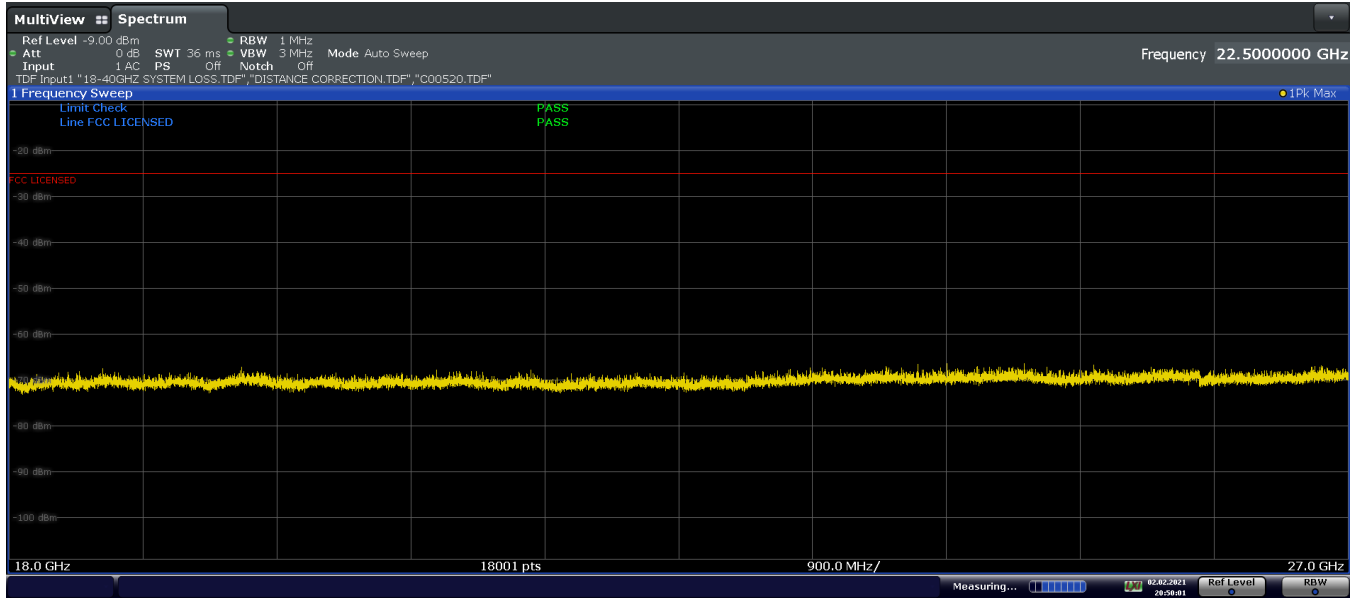


**Plot 7-242. Antenna 3 Radiated Spurious Emission above 18GHz (LTE Band 7 Pol. H)**


FCC ID: BCGA2379	<b>PCTEST</b> 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	 <b>PART 27 MEASUREMENT REPORT</b>		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

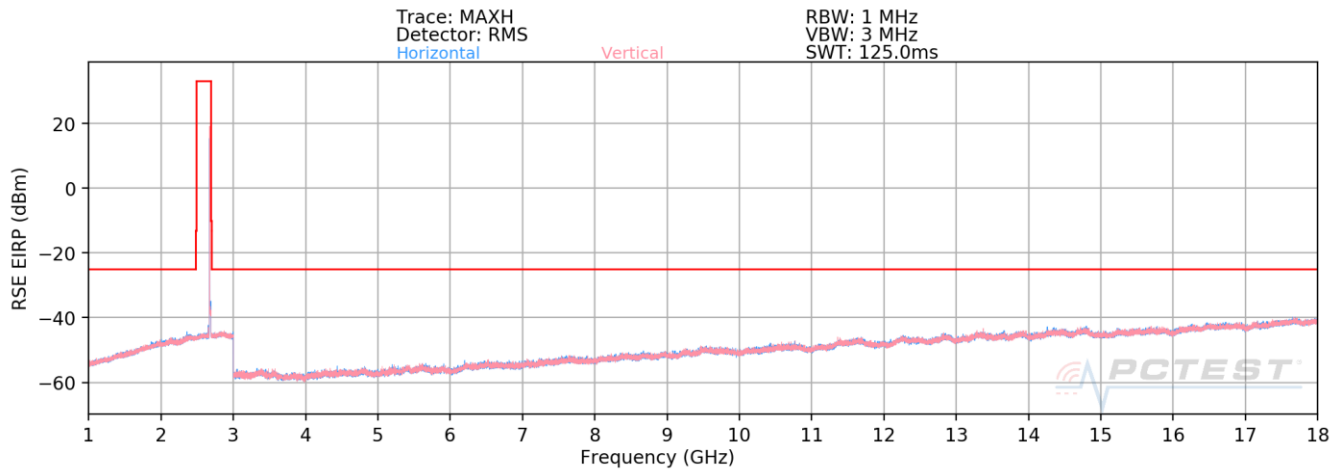
**Table 7-40. Radiated Spurious Data (LTE Band 7 – High Channel)**

FCC ID: BCGA2379	 <b>PCTEST</b> <small>Proud to be part of</small> 	<b>PART 27 MEASUREMENT REPORT</b>	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

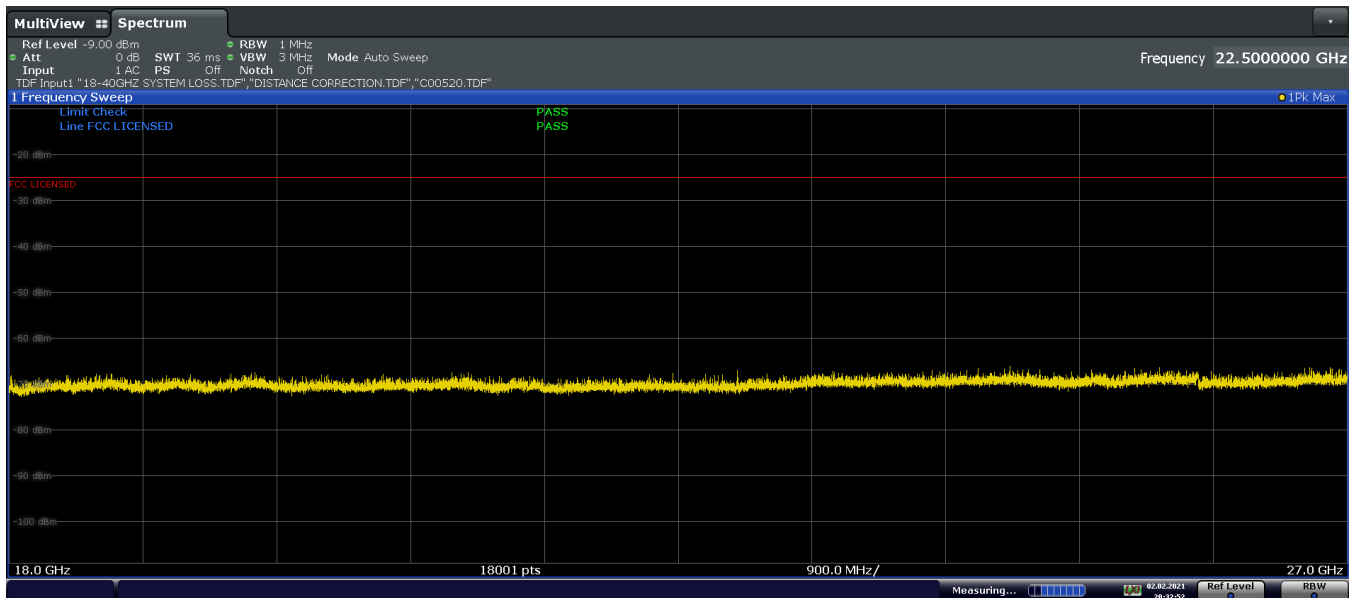
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## LTE Band 41



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

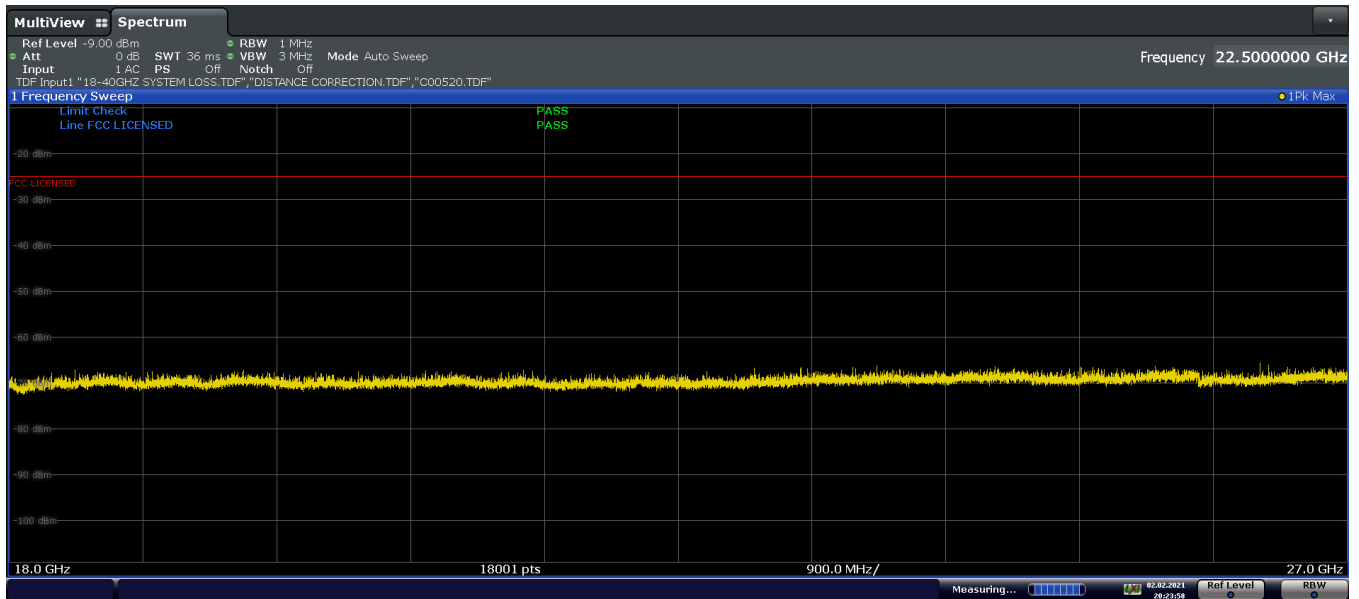


Plot 7-245. Antenna 3 Radiated Spurious Emission above 18GHz (LTE Band 41(PC2), Pol. H)


FCC ID: BCGA2379	<b>PCTEST</b> 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	 <b>PART 27 MEASUREMENT REPORT</b>		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

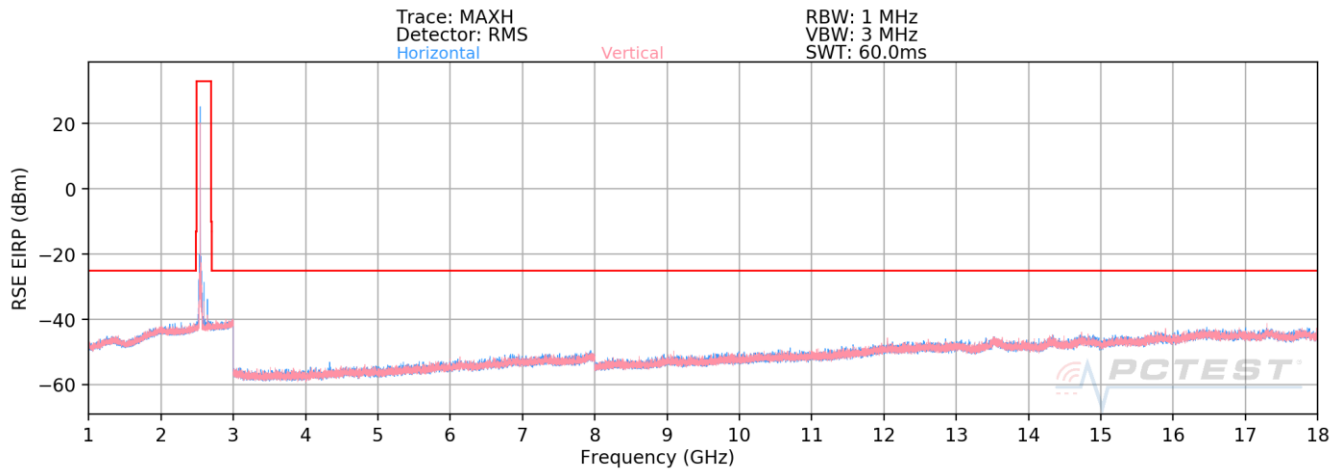
**Table 7-43. Radiated Spurious Data (LTE Band 41 – High Channel)**

FCC ID: BCGA2379	 <b>PCTEST</b> Proud to be part of 	<b>PART 27 MEASUREMENT REPORT</b>	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

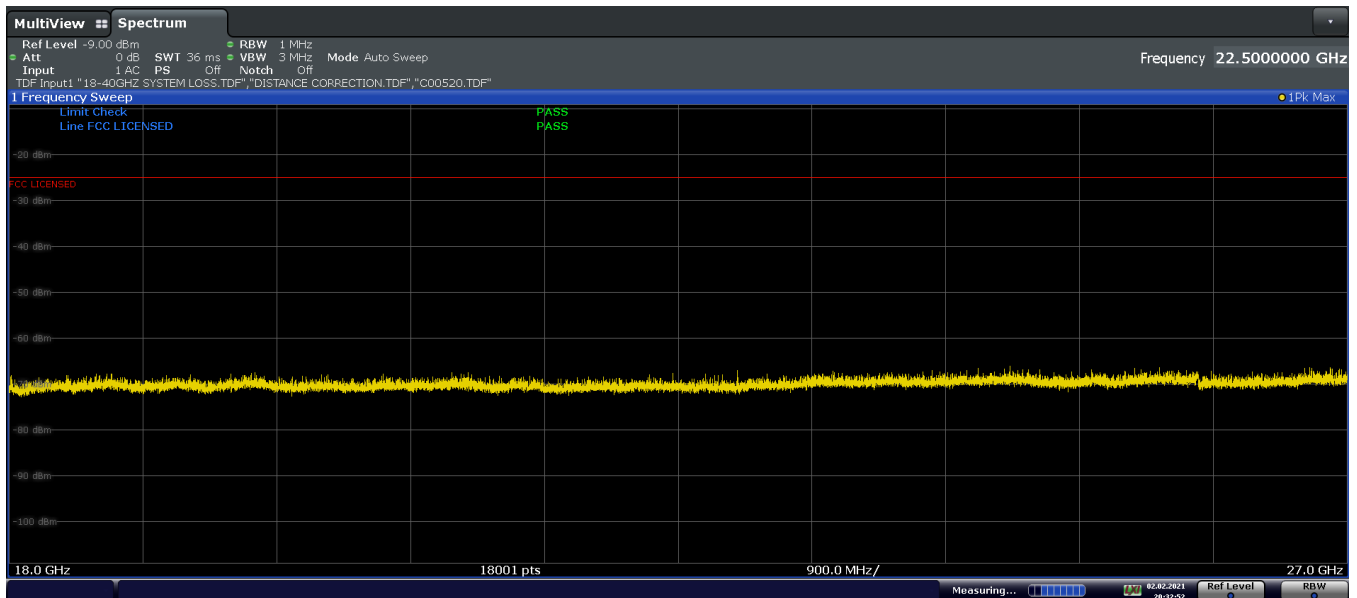
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## NR Band n41



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

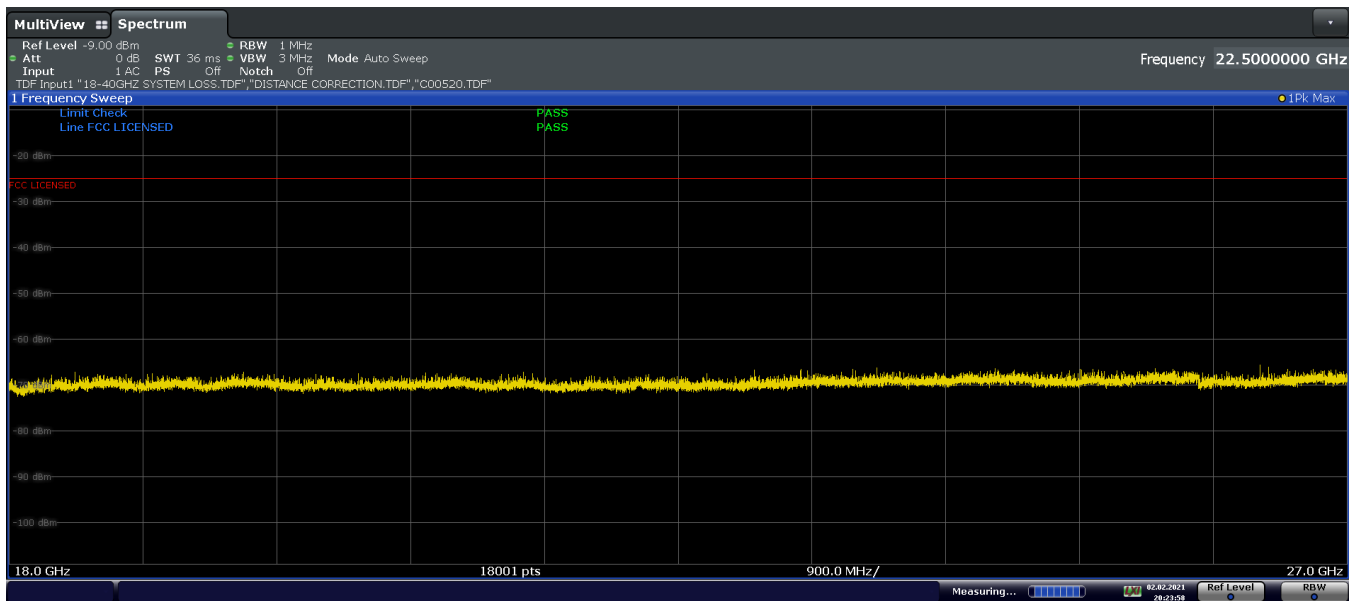


Plot 7-248. Antenna 3 Radiated Spurious Emission above 18GHz (NR Band n41, Pol. H)

FCC ID: BCGA2379	<b>PCTEST</b> 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	<b>PART 27 MEASUREMENT REPORT</b>		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

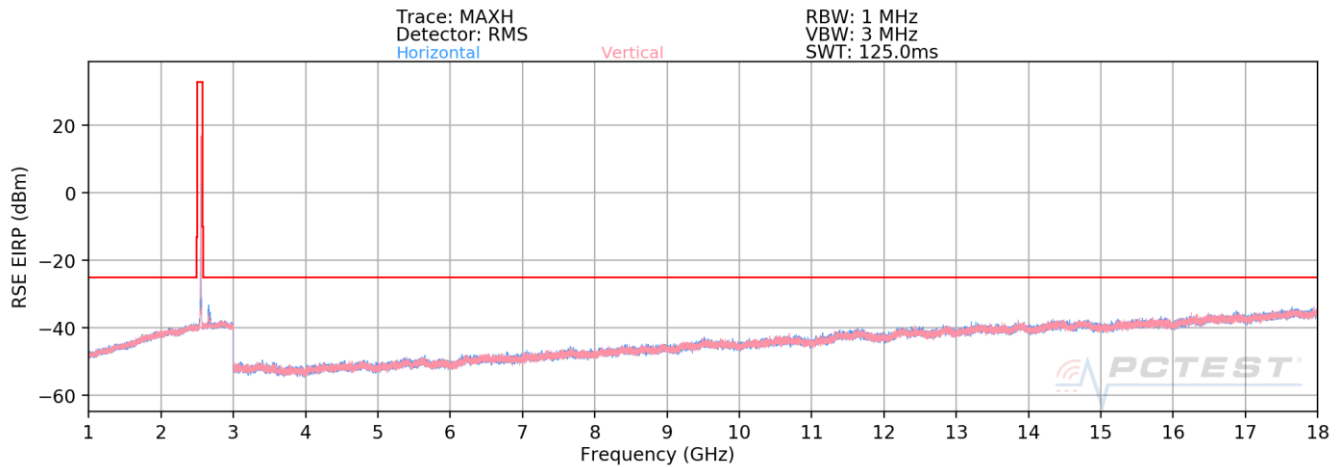
**Table 7-46. Radiated Spurious Data (NR Band n41 – High Channel)**

FCC ID: BCGA2379	 <b>PCTEST</b> Proud to be part of 	<b>PART 27 MEASUREMENT REPORT</b>	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

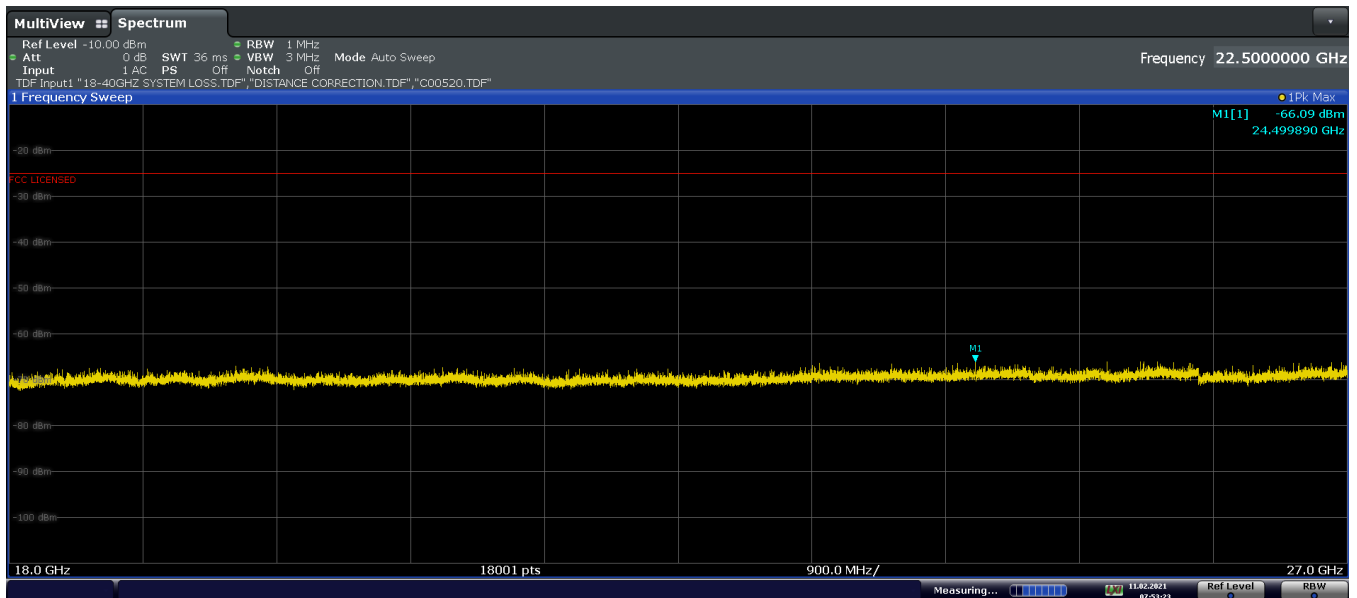
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## ULCA - LTE B7



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

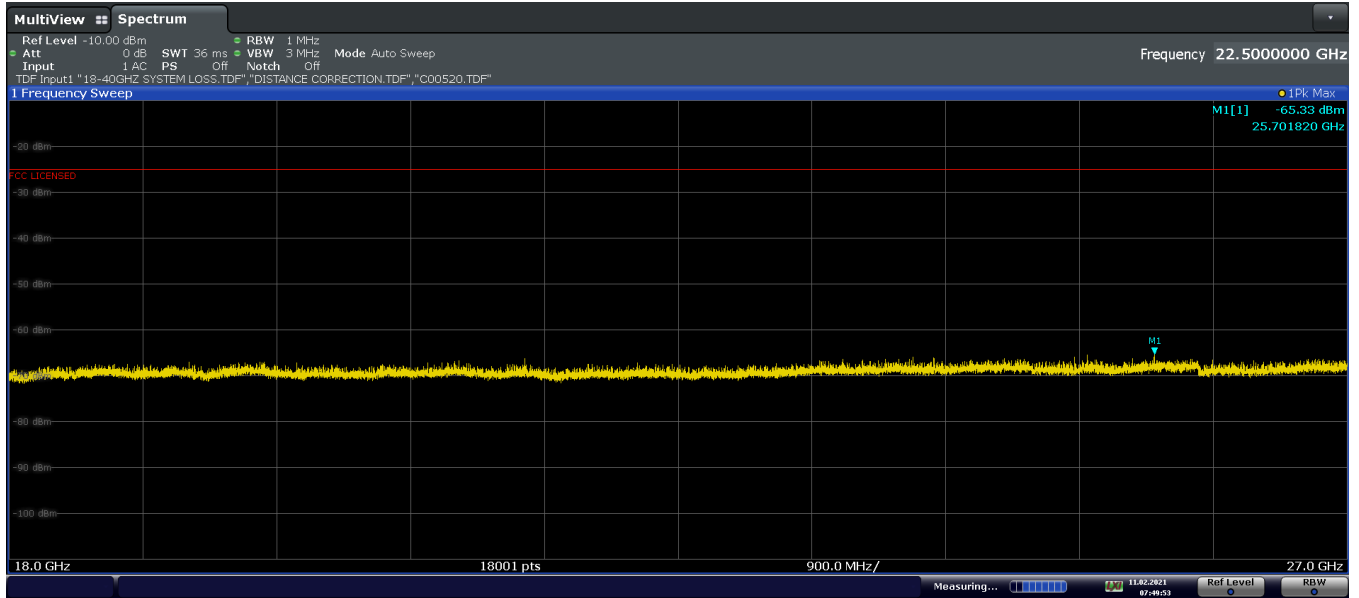


Plot 7-251. Antenna 3 Radiated Spurious Emission above 18GHz (ULCA LTE B7, Pol. H)

FCC ID: BCGA2379	<b>PCTEST</b> 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)**

<b>FCC ID:</b> BCGA2379	<b>PCTEST</b> Proud to be part of element	<b>PART 27 MEASUREMENT REPORT</b>	<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2101020005-05-R2.BCG	<b>Test Dates:</b> 12/15/2020 - 02/27/2021	<b>EUT Type:</b> Tablet Device	Page 190 of 224

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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

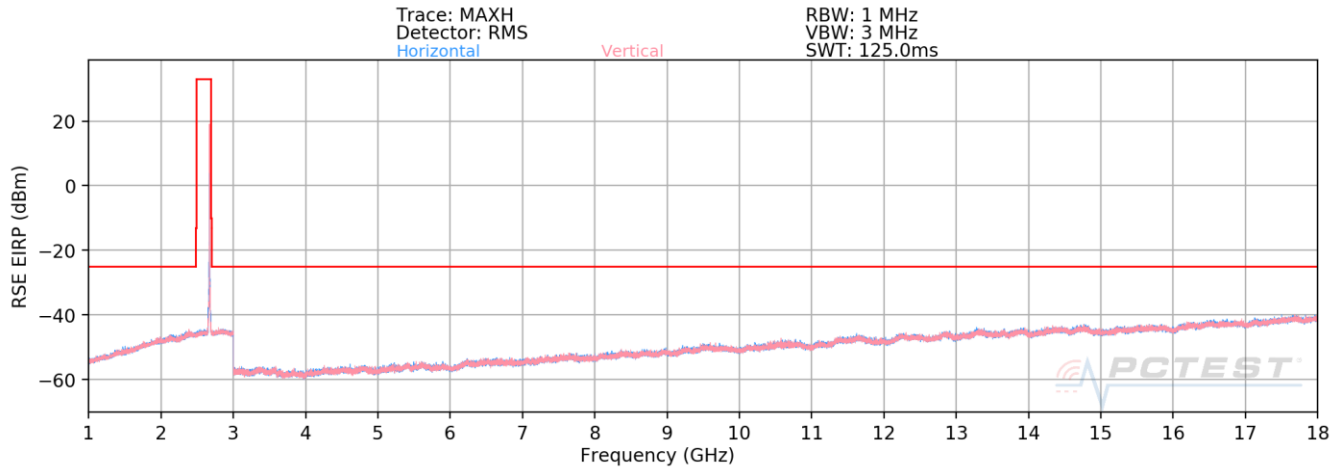
**Table 7-49. Radiated Spurious Data (ULCA LTE B7 – High Channel)**

FCC ID: BCGA2379	 <b>PCTEST</b> <small>Proud to be part of element</small>	<b>PART 27 MEASUREMENT REPORT</b>	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

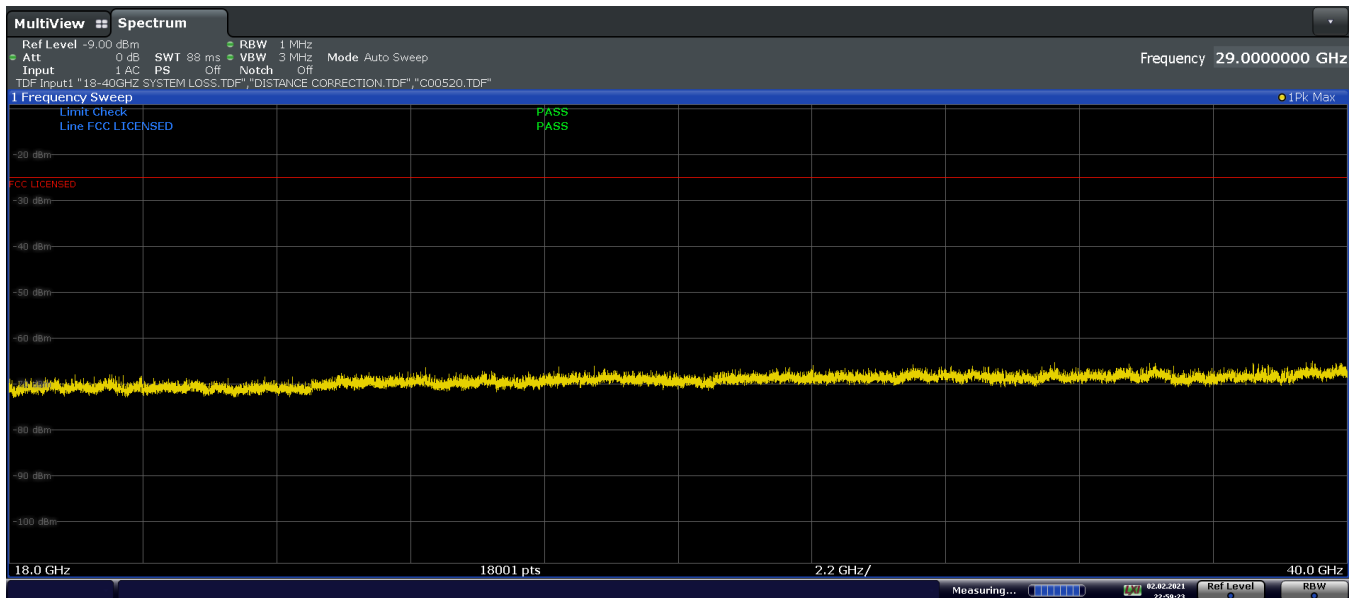
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## ULCA - LTE B41



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

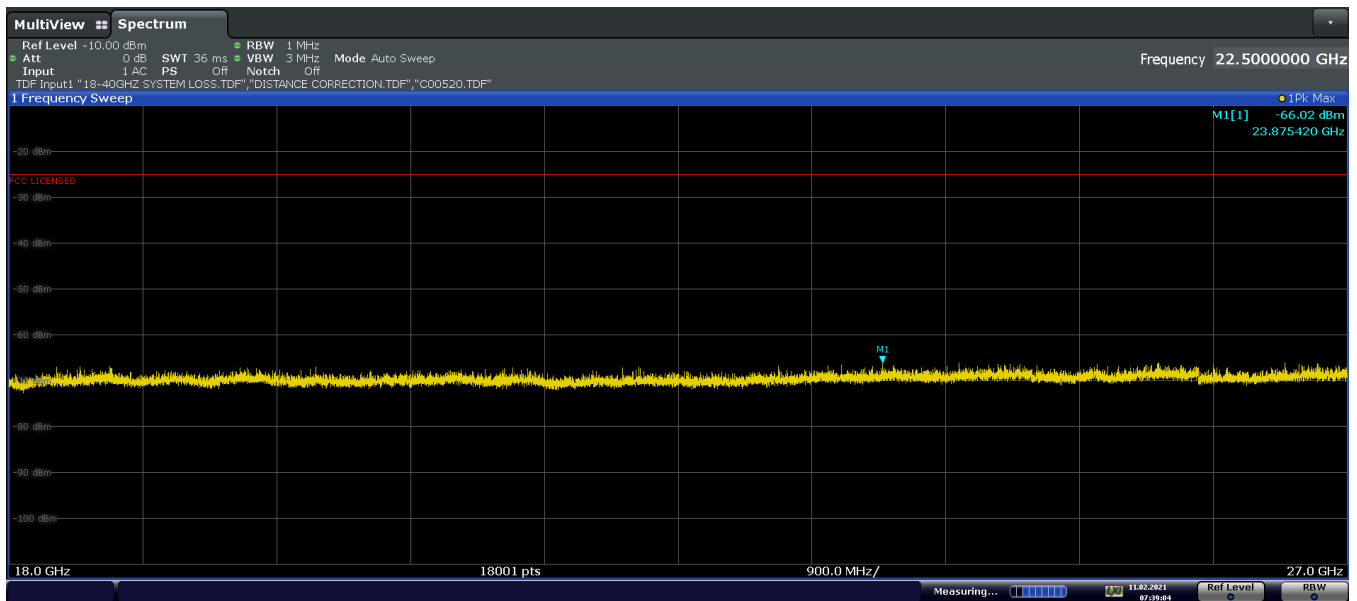


Plot 7-254. Antenna 3 Radiated Spurious Emission above 18GHz (ULCA LTE B41)

FCC ID: BCGA2379	<b>PCTEST</b> 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)**

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

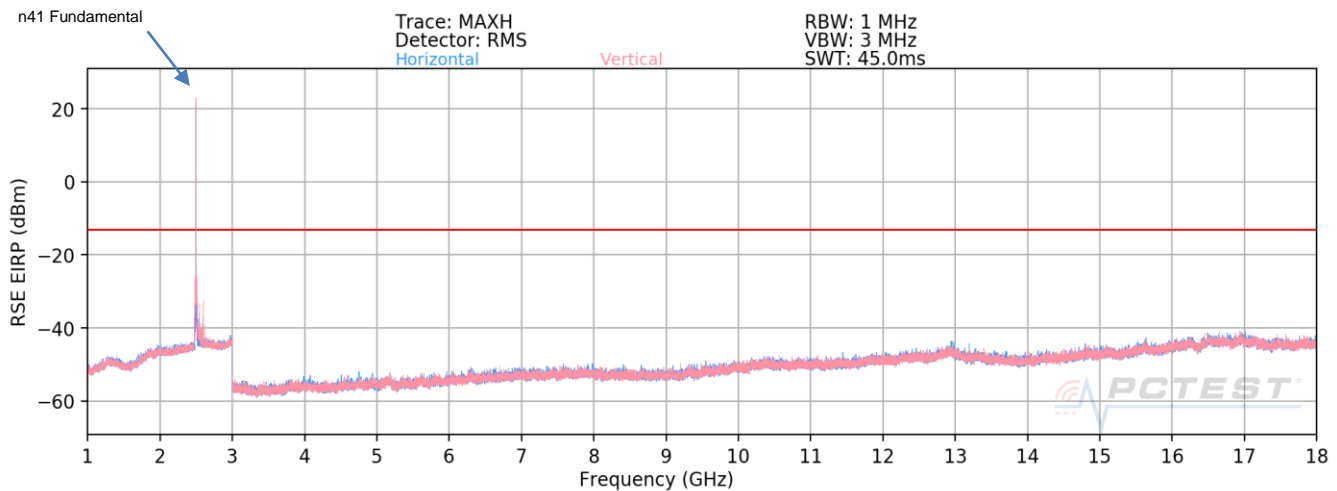
**Table 7-52. Radiated Spurious Data (ULCA LTE B41 – High Channel)**

FCC ID: BCGA2379	 <b>PCTEST</b> Proud to be part of element	<b>PART 27 MEASUREMENT REPORT</b>	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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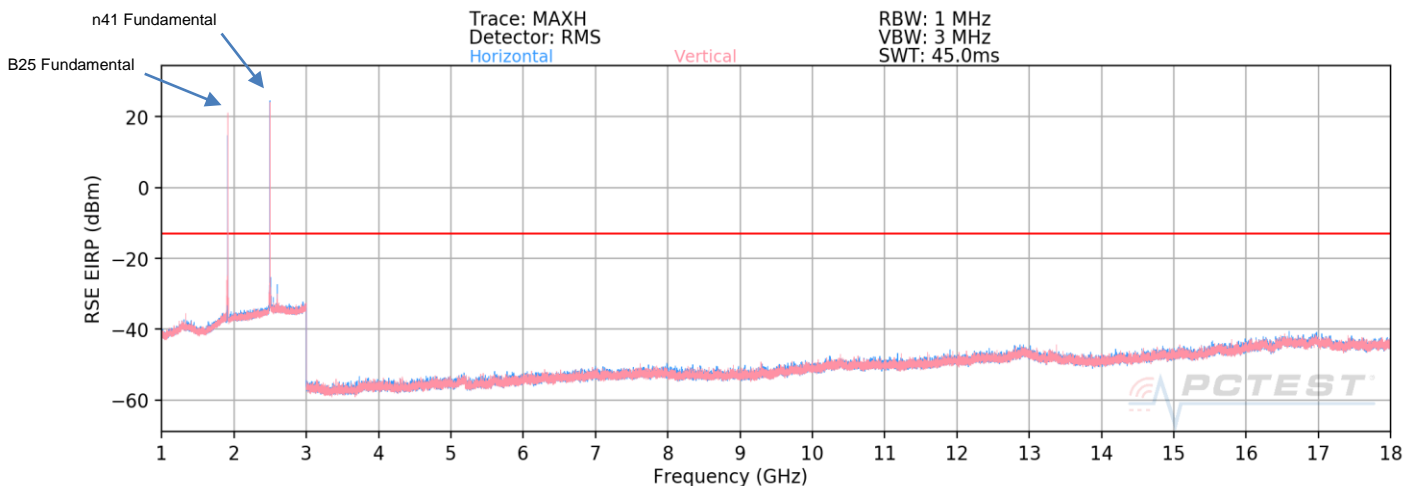
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## EN-DC – n41 + LTE Band 26



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)

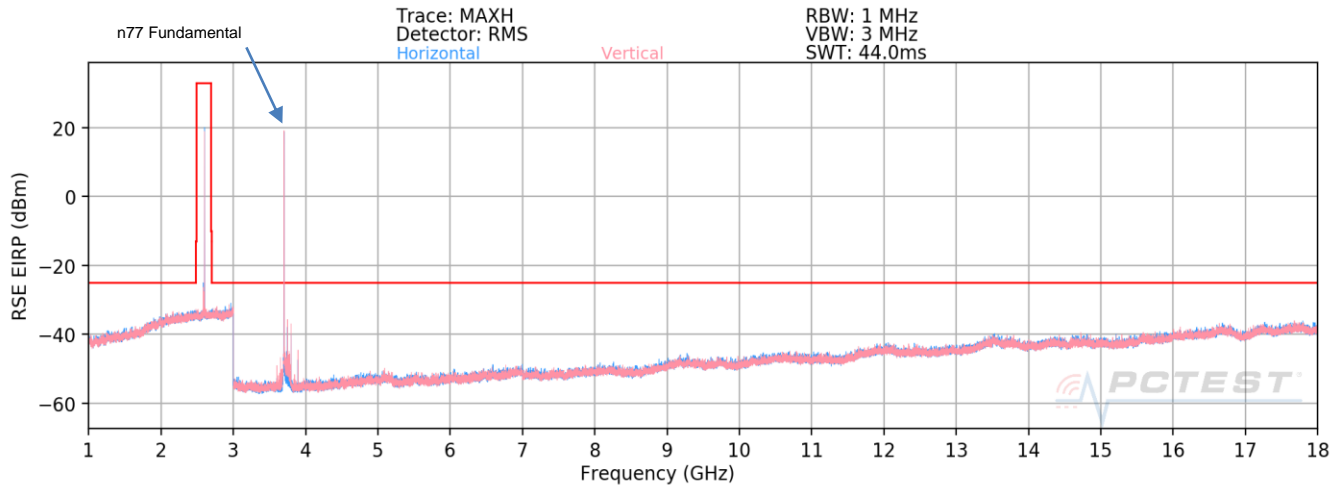
FCC ID: BCGA2379	<b>PCTEST</b> Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2101020005-05-R2.BCG	Test Dates: 12/15/2020 - 02/27/2021	EUT Type: Tablet Device		Page 195 of 224

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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	 <b>PCTEST</b> Proud to be part of 	<b>PART 27 MEASUREMENT REPORT</b>	<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2101020005-05-R2.BCG	<b>Test Dates:</b> 12/15/2020 - 02/27/2021	<b>EUT Type:</b> 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	 <b>PCTEST</b> <small>Proud to be part of element</small>	<b>PART 27 MEASUREMENT REPORT</b>	<b>Approved by:</b> 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

<b>Bandwidth (MHz):</b>	20
<b>Frequency (MHz):</b>	2510.0
<b>RB / Offset:</b>	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)**

<b>Bandwidth (MHz):</b>	20
<b>Frequency (MHz):</b>	2535.0
<b>RB / Offset:</b>	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)**

<b>Bandwidth (MHz):</b>	20
<b>Frequency (MHz):</b>	2560.0
<b>RB / Offset:</b>	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)**

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

<b>Bandwidth (MHz):</b>	100
<b>Frequency (MHz):</b>	2546.0
<b>RB / Offset:</b>	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)**

<b>Bandwidth (MHz):</b>	100
<b>Frequency (MHz):</b>	2593.0
<b>RB / Offset:</b>	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)**

<b>Bandwidth (MHz):</b>	100
<b>Frequency (MHz):</b>	2640.0
<b>RB / Offset:</b>	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)**

<b>FCC ID:</b> BCGA2379	 <b>PART 27 MEASUREMENT REPORT</b>	<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2101020005-05-R2.BCG	<b>Test Dates:</b> 12/15/2020 - 02/27/2021	<b>EUT Type:</b> Tablet Device
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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	 <b>PCTEST</b> <small>Proud to be part of</small> 	<b>PART 27 MEASUREMENT REPORT</b>	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 201 of 224

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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	 <b>PCTEST</b> Proud to be part of element	<b>PART 27 MEASUREMENT REPORT</b>	<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2101020005-05-R2.BCG	<b>Test Dates:</b> 12/15/2020 - 02/27/2021	<b>EUT Type:</b> 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	 <b>PCTEST</b> <small>Proud to be part of element</small>	<b>PART 27 MEASUREMENT REPORT</b>	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	 <b>PCTEST</b> <small>Proud to be part of element</small>	<b>PART 27 MEASUREMENT REPORT</b>	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	 <b>PCTEST</b> <small>Proud to be part of element</small>	<b>PART 27 MEASUREMENT REPORT</b>	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

<b>Bandwidth (MHz):</b>	100
<b>Frequency (MHz):</b>	2550.0
<b>RB / Offset:</b>	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)**

<b>Bandwidth (MHz):</b>	100
<b>Frequency (MHz):</b>	2593.0
<b>RB / Offset:</b>	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)**

<b>Bandwidth (MHz):</b>	100
<b>Frequency (MHz):</b>	2640.0
<b>RB / Offset:</b>	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)**

<b>FCC ID:</b> BCGA2379	 <b>PART 27 MEASUREMENT REPORT</b>	<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2101020005-05-R2.BCG	<b>Test Dates:</b> 12/15/2020 - 02/27/2021	<b>EUT Type:</b> Tablet Device
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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	 <b>PCTEST</b> <small>Proud to be part of</small> 	<b>PART 27 MEASUREMENT REPORT</b>	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 207 of 224

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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	 <b>PCTEST</b> Proud to be part of element	<b>PART 27 MEASUREMENT REPORT</b>	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 208 of 224

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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	 <b>PCTEST</b> <small>Proud to be part of element</small>	<b>PART 27 MEASUREMENT REPORT</b>	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)**

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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	 <b>PCTEST</b> <small>Proud to be part of</small> 	<b>PART 27 MEASUREMENT REPORT</b>	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)**

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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)**

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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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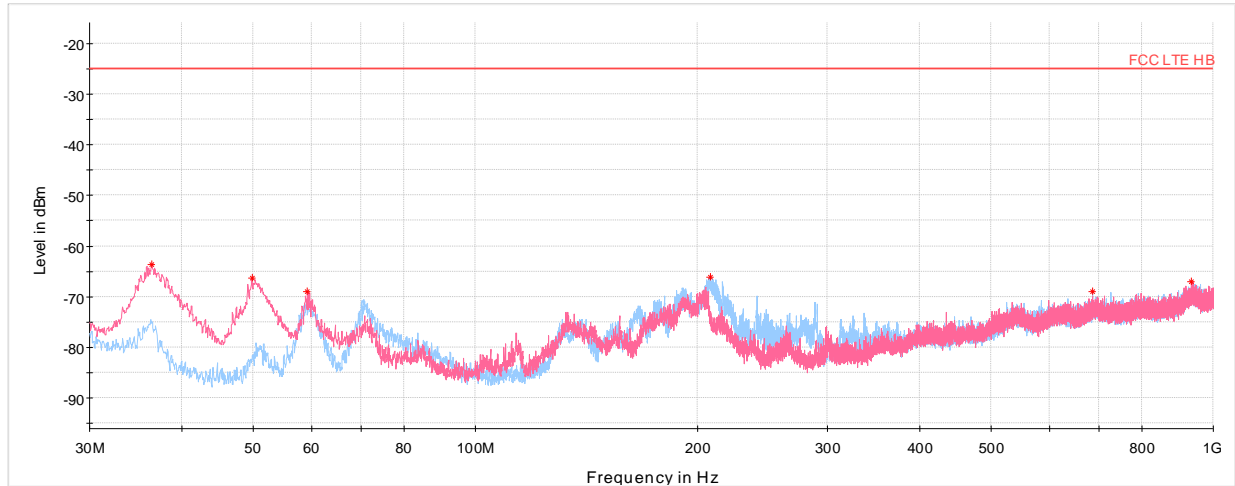
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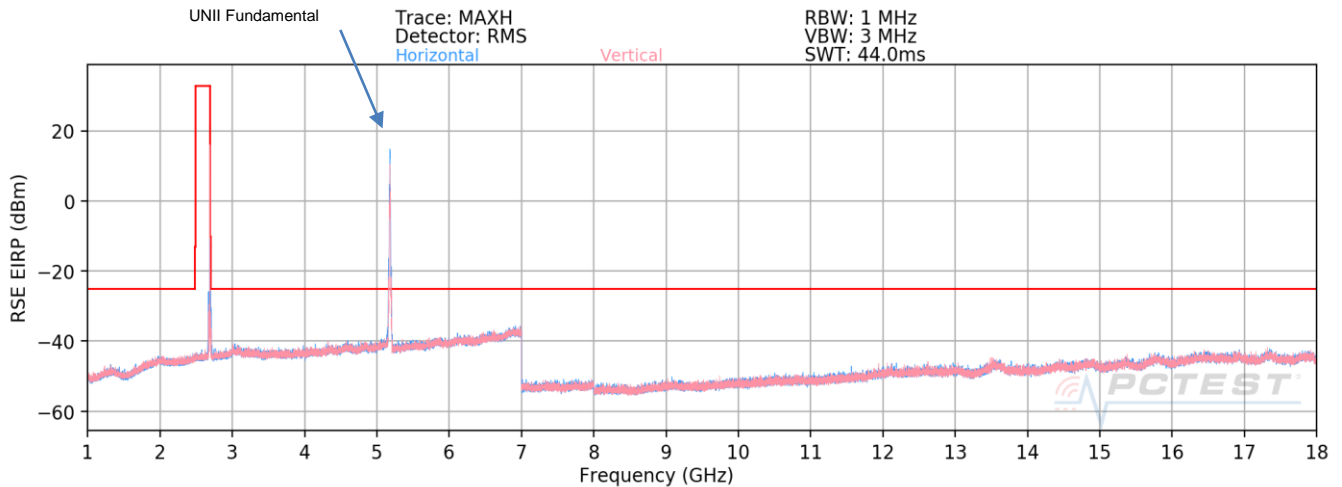
## 7.7.5 Simultaneous Tx Radiated Spurious Emissions Measurements

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**

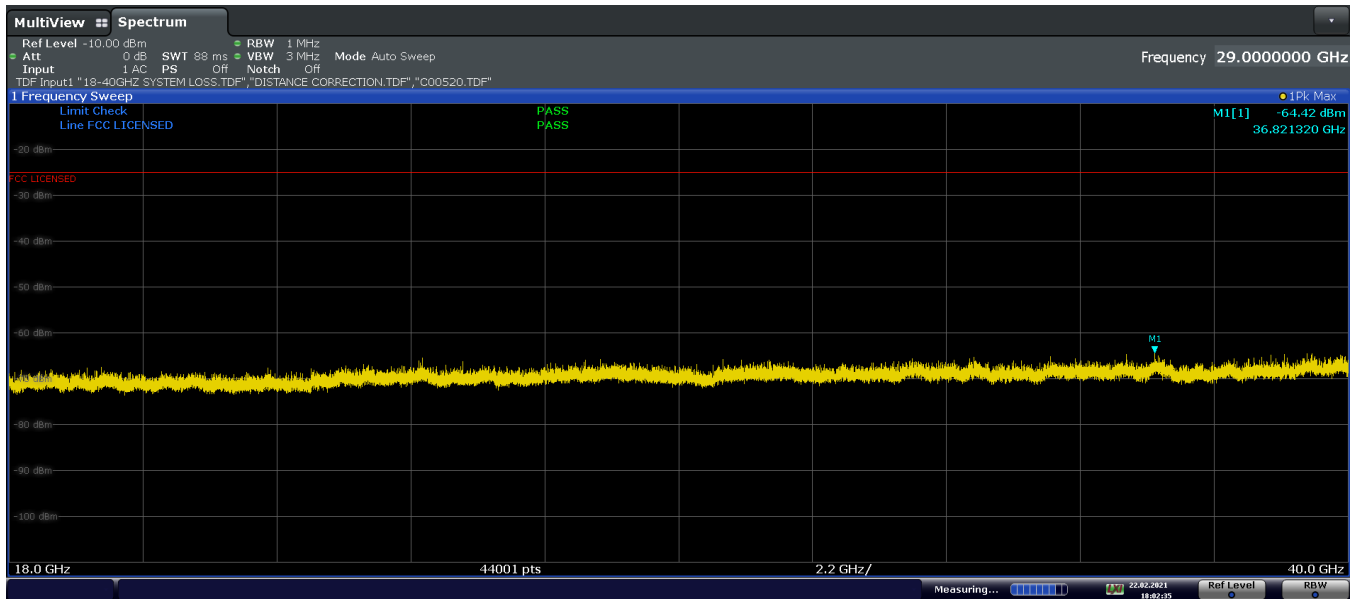


**Plot 7-259. Radiated Spurious Emissions – Simultaneous Transmission 30MHz – 1GHz**

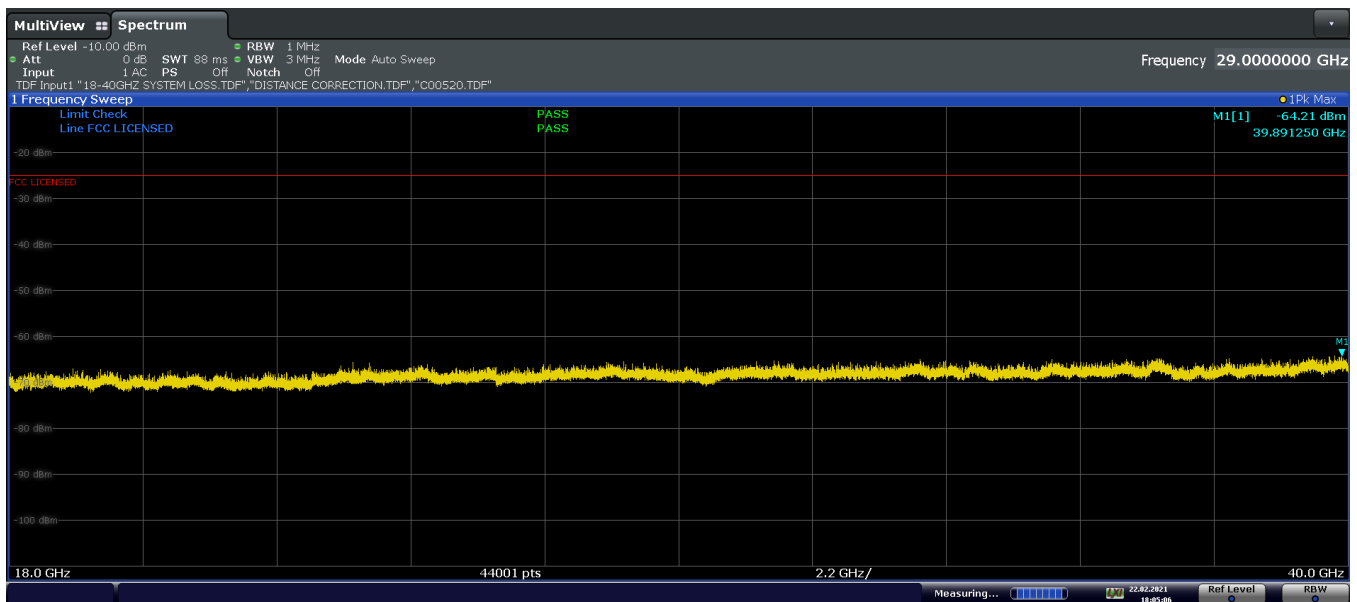


**Plot 7-260. Radiated Spurious Emissions - Simultaneous Transmission 1-18GHz**

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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

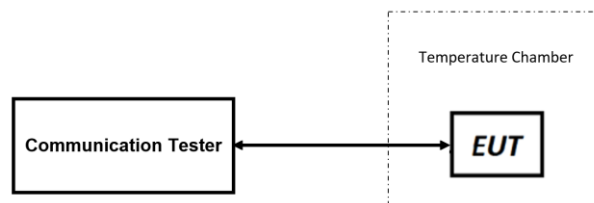
ANSI C63.26 2015

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.

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

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