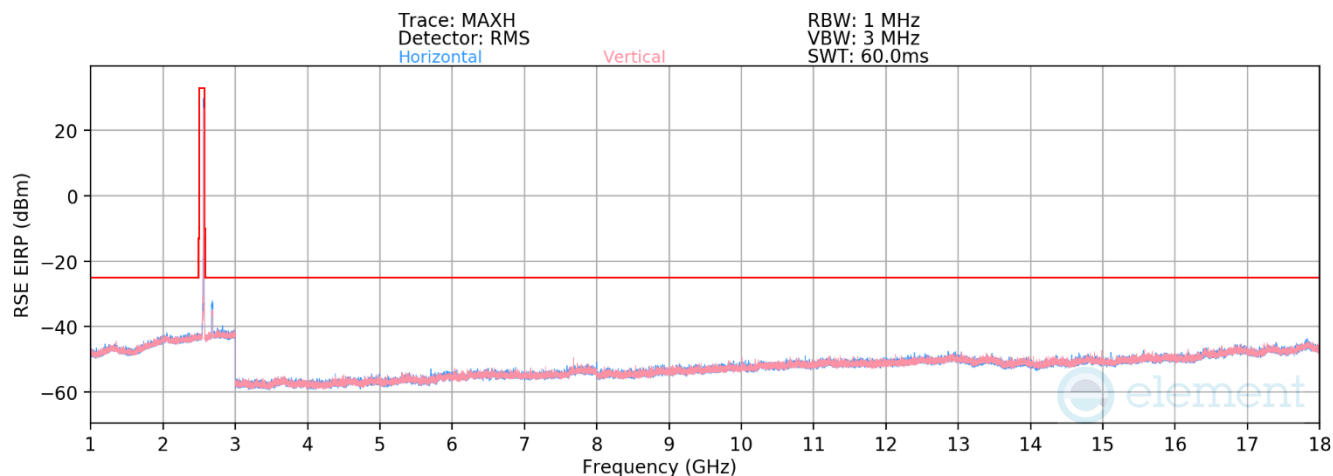
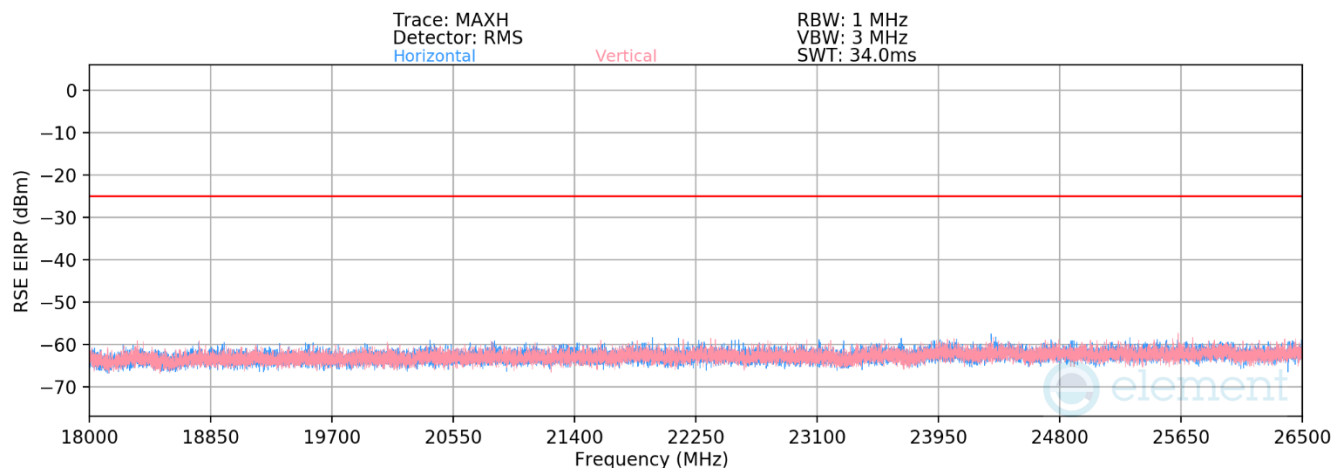


LTE Band 7



Plot 7-622. Antenna 3a Radiated Spurious Plot 1GHz – 18GHz (LTE Band 7)



Plot 7-623. Antenna 3a Radiated Spurious Emission above 18GHz (LTE Band 7)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-10-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device
		Page 399 of 427

V2.2 09/07/2023

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5020.0	V	-	-	-78.76	4.85	33.09	-62.17	-25.00	-37.17
7530.0	V	260	141	-74.16	9.04	41.88	-53.38	-25.00	-28.38
10040.0	H	-	-	-81.45	11.76	37.31	-57.95	-25.00	-32.95
12550.0	V	-	-	-82.84	15.77	39.93	-55.33	-25.00	-30.33
15060.0	H	-	-	-84.00	16.07	39.08	-56.18	-25.00	-31.18

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	V	-	-	-79.38	5.43	33.06	-62.20	-25.00	-37.20
7605.0	V	254	117	-77.66	9.46	38.80	-56.46	-25.00	-31.46
10140.0	H	-	-	-81.53	11.79	37.27	-57.99	-25.00	-32.99
12675.0	H	-	-	-83.79	15.96	39.17	-56.09	-25.00	-31.09
15210.0	V	-	-	-83.42	16.08	39.66	-55.60	-25.00	-30.60

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

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

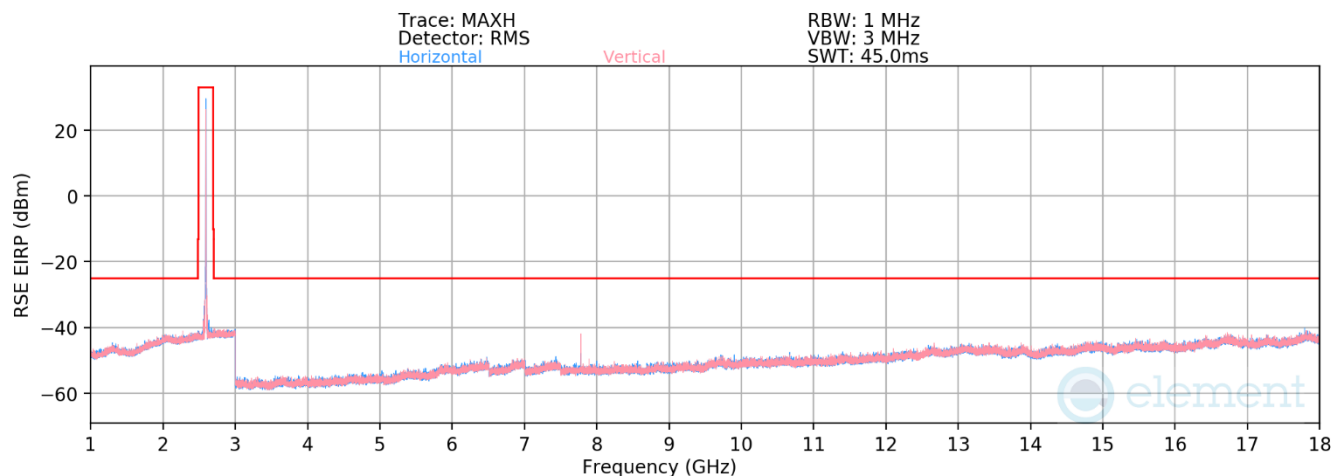
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5120.00	V	-	-	-79.38	5.43	33.05	-62.21	-25.00	-37.21
7680.00	V	277	112	-73.01	9.61	43.60	-51.65	-25.00	-26.65
10240.00	V	-	-	-81.23	11.88	37.65	-57.60	-25.00	-32.60
12800.00	H	-	-	-83.26	15.92	39.67	-55.59	-25.00	-30.59
15360.00	H	-	-	-83.74	16.35	39.61	-55.64	-25.00	-30.64

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

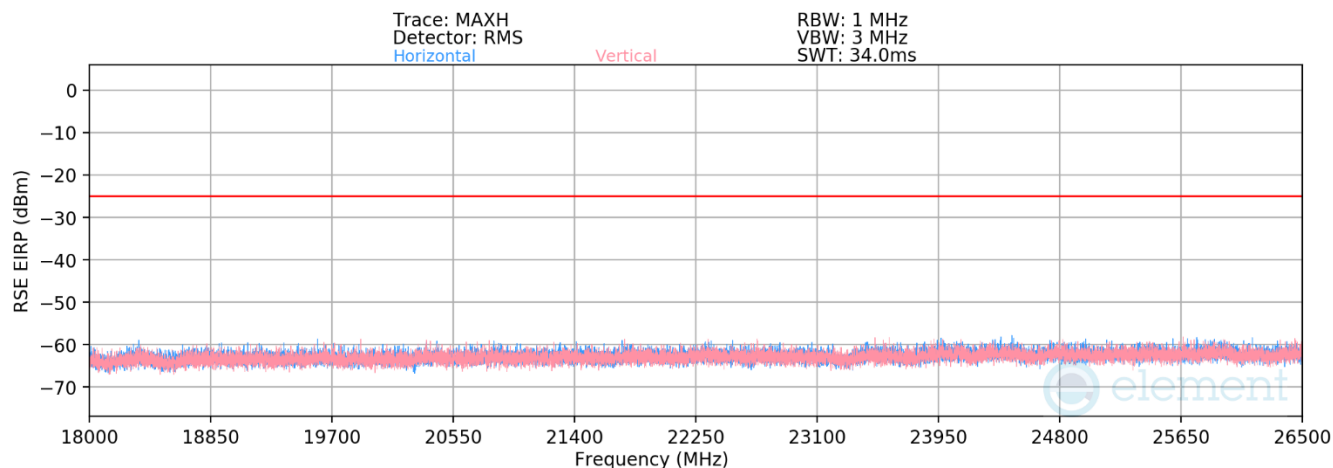
FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-10-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 400 of 427

V2.2 09/07/2023

LTE Band 41



Plot 7-624. Antenna 3a Radiated Spurious Plot 1GHz – 18GHz (LTE Band 41)



Plot 7-625. Antenna 3a Radiated Spurious Emission above 18GHz (LTE Band 41)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-10-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 401 of 427

V2.2 09/07/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.0	V	-	-	-78.33	4.82	33.49	-61.77	-25.00	-36.77
7518.0	V	295	181	-71.47	9.04	44.57	-50.69	-25.00	-25.69
10024.0	V	-	-	-79.91	11.76	38.86	-56.40	-25.00	-31.40
12530.0	H	-	-	-81.44	15.81	41.36	-53.90	-25.00	-28.90
15036.0	V	-	-	-80.66	16.23	42.57	-52.69	-25.00	-27.69

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	V	-	-	-78.26	5.09	33.84	-61.42	-25.00	-36.42
7779.0	V	280	109	-68.68	9.54	47.86	-47.40	-25.00	-22.40
10372.0	V	-	-	-79.55	11.53	38.97	-56.28	-25.00	-31.28
12965.0	V	-	-	-81.71	16.77	42.07	-53.19	-25.00	-28.19
15558.0	H	-	-	-81.20	16.69	42.49	-52.77	-25.00	-27.77

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.0	V	-	-	-77.92	5.16	34.24	-61.02	-25.00	-36.02
8040.0	H	-	-	-80.29	9.65	36.36	-58.89	-25.00	-33.89
10720.0	V	-	-	-79.74	12.02	39.28	-55.98	-25.00	-30.98

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

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-10-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 402 of 427

V2.2 09/07/2023

NR Band n30

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4615.0	V	-	-	-79.94	7.81	34.87	-60.39	-40.00	-20.39
6922.5	H	-	-	-81.32	11.27	36.95	-58.30	-40.00	-18.30
9230.0	V	-	-	-81.97	12.55	37.58	-57.68	-40.00	-17.68

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.0	V	-	-	-79.90	7.83	34.93	-60.32	-40.00	-20.32
6930.0	V	-	-	-81.28	11.30	37.02	-58.23	-40.00	-18.23
9240.0	H	-	-	-81.89	12.49	37.60	-57.66	-40.00	-17.66

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4625.0	V	-	-	-80.00	7.83	34.84	-60.42	-40.00	-20.42
6937.5	V	-	-	-81.35	11.27	36.93	-58.33	-40.00	-18.33
9250.0	V	-	-	-81.91	12.59	37.68	-57.58	-40.00	-17.58

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

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-10-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 403 of 427

V2.2 09/07/2023

NR Band n7

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5040.0	V	-	-	-80.51	7.64	34.13	-61.12	-25.00	-36.12
7560.0	H	-	-	-81.31	11.73	37.42	-57.84	-25.00	-32.84
10080.0	V	-	-	-82.44	14.92	39.48	-55.78	-25.00	-30.78

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	H	-	-	-80.45	7.64	34.19	-61.07	-25.00	-36.07
7605.0	V	-	-	-81.31	11.73	37.42	-57.84	-25.00	-32.84
10140.0	H	-	-	-83.23	15.95	39.72	-55.54	-25.00	-30.54

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

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

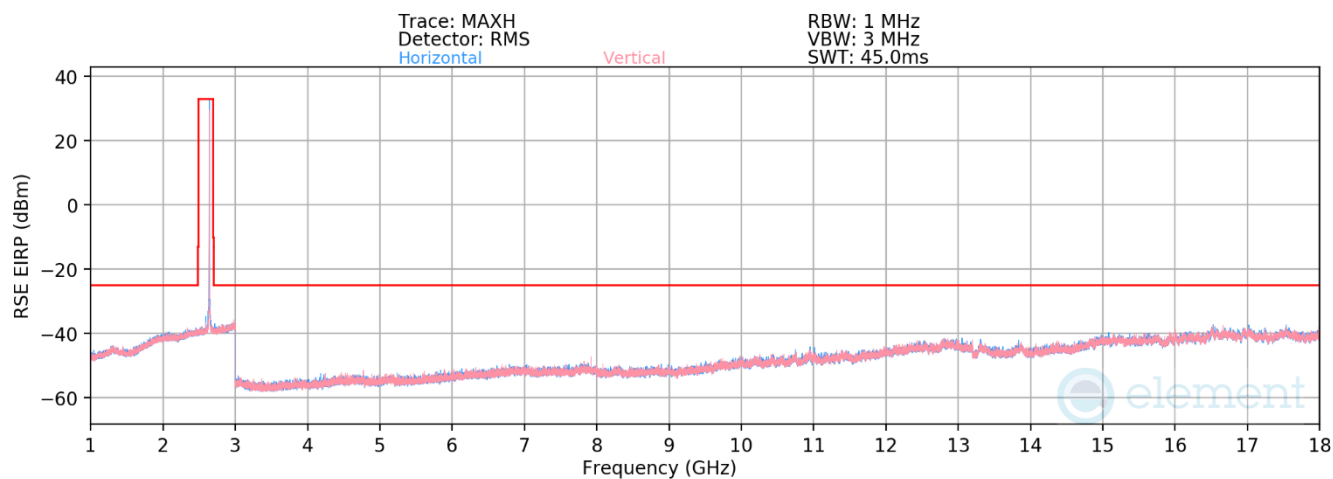
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5100.0	V	-	-	-80.51	7.82	34.31	-60.95	-25.00	-35.95
7650.0	V	-	-	-81.27	11.21	36.94	-58.32	-25.00	-33.32
10200.0	H	-	-	-83.01	16.58	40.57	-54.68	-25.00	-29.68

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

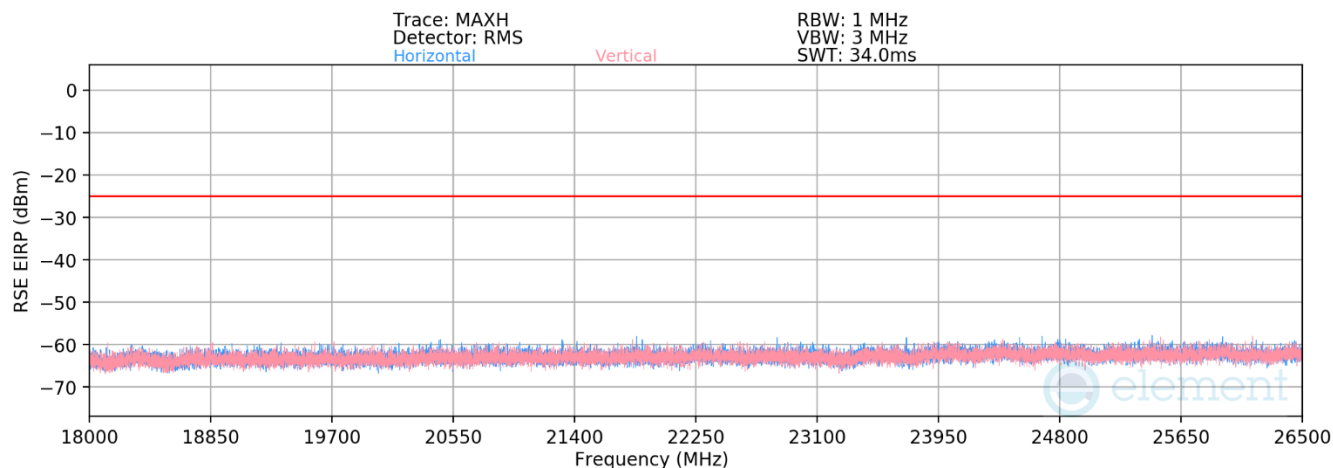
FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-10-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 404 of 427

V2.2 09/07/2023

NR Band n41



Plot 7-626. Antenna 3a Radiated Spurious Plot 1GHz – 18GHz (NR Band n41)



Plot 7-627. Antenna 3a Radiated Spurious Emission above 18GHz (NR Band n41)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-10-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 405 of 427

V2.2 09/07/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5092.0	V	-	-	-79.59	7.64	35.05	-60.21	-25.00	-35.21
7638.0	V	-	-	-80.79	11.23	37.44	-57.82	-25.00	-32.82
10184.0	H	-	-	-82.53	16.58	41.05	-54.21	-25.00	-29.21

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	V	-	-	-80.03	8.10	35.08	-60.18	-25.00	-35.18
7779.0	V	-	-	-80.60	12.07	38.47	-56.79	-25.00	-31.79
10372.0	V	-	-	-81.94	15.58	40.64	-54.62	-25.00	-29.62

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5280.0	V	-	-	-80.03	8.30	35.28	-59.98	-25.00	-34.98
7920.0	V	104	326	-74.77	11.48	43.71	-51.55	-25.00	-26.55
10560.0	H	-	-	-82.62	16.66	41.03	-54.22	-25.00	-29.22
13200.0	V	-	-	-83.38	19.82	43.44	-51.82	-25.00	-26.82
15840.0	V	-	-	-84.01	23.81	46.80	-48.46	-25.00	-23.46

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

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-10-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 406 of 427

V2.2 09/07/2023

ULCA - LTE Band 7

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5020.0	H	-	-	-79.47	6.58	34.11	-61.15	-25.00	-36.15
7530.0	H	-	-	-79.99	9.59	36.61	-58.65	-25.00	-33.65
10040.0	H	-	-	-80.79	11.70	37.91	-57.34	-25.00	-32.34

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	H	-	-	-79.68	6.61	33.93	-61.33	-25.00	-36.33
7605.0	H	-	-	-80.72	10.29	36.58	-58.68	-25.00	-33.68
10140.0	H	-	-	-80.99	12.27	38.28	-56.97	-25.00	-31.97

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5120.0	H	-	-	-79.47	6.49	34.02	-61.24	-25.00	-36.24
7680.0	H	-	-	-80.09	9.66	36.57	-58.69	-25.00	-33.69
10240.0	H	-	-	-80.91	12.16	38.25	-57.01	-25.00	-32.01

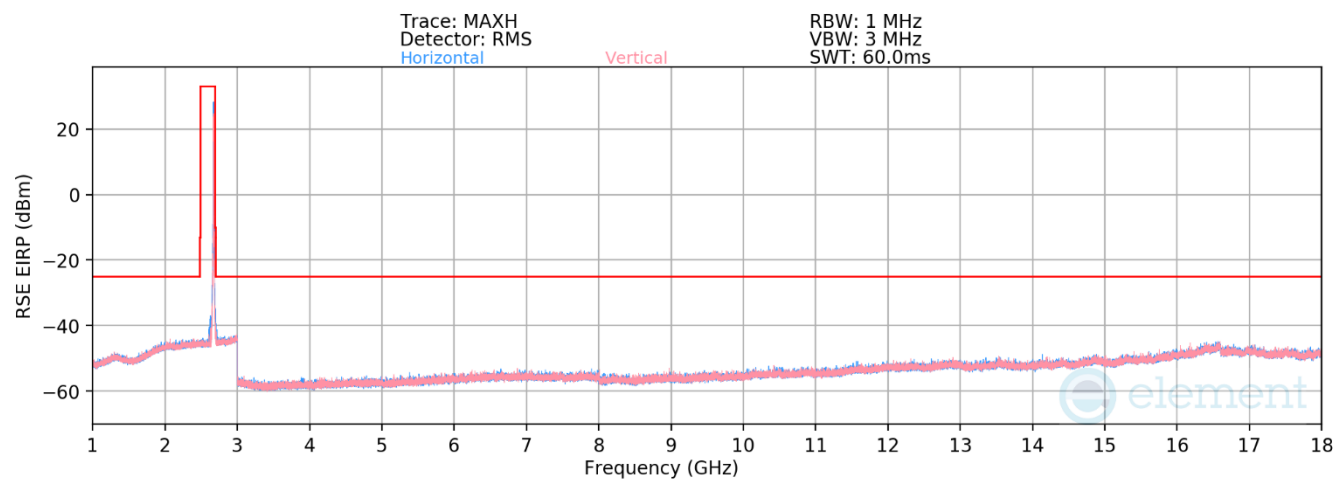
Table 7-115. Radiated Spurious Data (ULCA LTE Band 7 – High Channel)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT						Approved by: Technical Manager
Test Report S/N: 1C2410210073-10-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device					Page 407 of 427

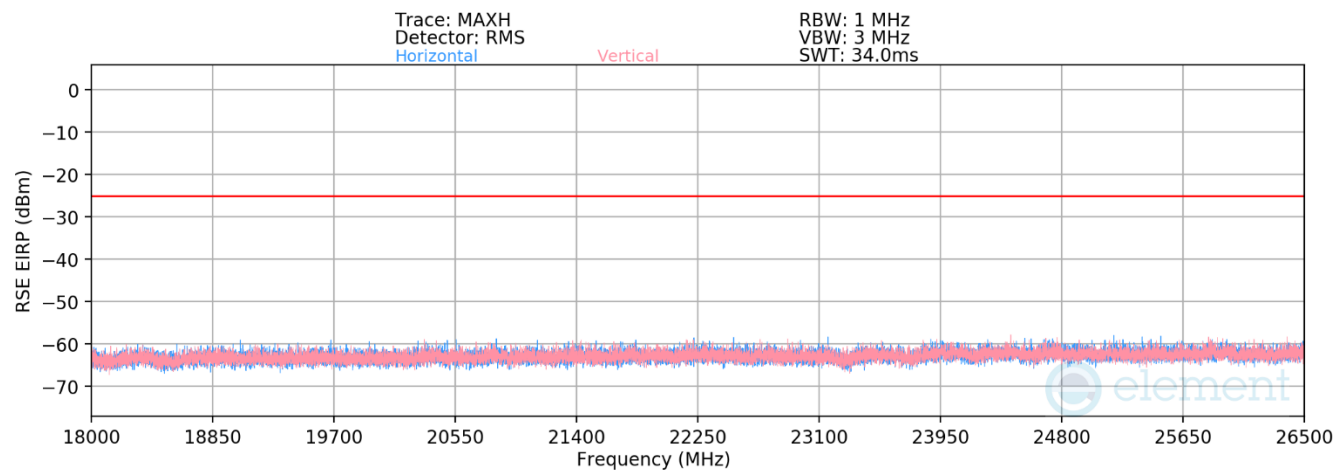
V2.2 09/07/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

ULCA - LTE Band 41



Plot 7-628. Antenna 3a Radiated Spurious Plot 1GHz – 18GHz (ULCA LTE Band 41)



Plot 7-629. Antenna 3a Radiated Spurious Emission above 18GHz (ULCA LTE Band 41)

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-10-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 408 of 427

V2.2 09/07/2023

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.0	V	-	-	-77.11	3.38	33.26	-61.99	-25.00	-36.99
7518.0	V	-	-	-78.65	6.17	34.52	-60.74	-25.00	-35.74
10024.0	V	-	-	-79.09	7.71	35.62	-59.64	-25.00	-34.64

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	V	-	-	-77.25	3.74	33.50	-61.76	-25.00	-36.76
7779.0	V	204	141	-75.03	5.76	37.74	-57.52	-25.00	-32.52
10372.0	V	-	-	-79.19	8.06	35.86	-59.39	-25.00	-34.39
12965.0	V	-	-	-81.80	12.96	38.15	-57.10	-25.00	-32.10
15558.0	H	-	-	-82.64	16.21	40.57	-54.68	-25.00	-29.68

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.0	V	-	-	-77.08	3.58	33.49	-61.76	-25.00	-36.76
8040.0	V	252	138	-73.07	5.52	39.44	-55.82	-25.00	-30.82
10720.0	V	-	-	-79.38	8.44	36.06	-59.20	-25.00	-34.20
13400.0	H	-	-	-81.37	13.02	38.65	-56.61	-25.00	-31.61
16080.0	H	-	-	-83.00	17.99	41.99	-53.27	-25.00	-28.27

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

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-10-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 409 of 427

V2.2 09/07/2023

7.7.4 Antenna 1b Radiated Spurious Emission Measurements

LTE Band 30

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4615.0	H	-	-	-78.57	4.81	33.24	-62.02	-40.00	-22.02
6922.5	H	-	-	-81.45	9.65	35.20	-60.05	-40.00	-20.05
9230.0	H	-	-	-81.48	10.52	36.04	-59.22	-40.00	-19.22

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.0	H	-	-	-78.52	4.87	33.35	-61.91	-40.00	-21.91
6930.0	H	-	-	-81.40	9.54	35.13	-60.12	-40.00	-20.12
9240.0	H	-	-	-81.71	10.63	35.92	-59.34	-40.00	-19.34

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4625.00	H	-	-	-78.71	4.81	33.11	-62.15	-40.00	-22.15
6937.50	H	-	-	-81.32	9.41	35.09	-60.16	-40.00	-20.16
9250.00	H	-	-	-81.70	10.70	36.00	-59.26	-40.00	-19.26

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

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-10-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 410 of 427

V2.2 09/07/2023

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	H	-	-	-78.92	4.85	32.93	-62.32	-25.00	-37.32
7530.0	V	-	-	-81.10	9.04	34.93	-60.32	-25.00	-35.32
10040.0	V	-	-	-81.78	11.87	37.09	-58.17	-25.00	-33.17

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	V	-	-	-79.38	5.43	33.05	-62.21	-25.00	-37.21
7605.0	H	-	-	-80.97	9.21	35.24	-60.02	-25.00	-35.02
10140.0	H	-	-	-81.76	11.83	37.06	-58.20	-25.00	-33.20

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5120.00	H	-	-	-79.45	5.24	32.79	-62.47	-25.00	-37.47
7680.00	V	-	-	-81.06	9.77	35.70	-59.55	-25.00	-34.55
10240.00	V	-	-	-80.91	11.88	37.97	-57.29	-25.00	-32.29

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

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-10-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 411 of 427

V2.2 09/07/2023

LTE Band 41

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.0	V	-	-	-78.41	4.99	33.58	-61.68	-25.00	-36.68
7518.0	V	-	-	-79.47	9.04	36.57	-58.69	-25.00	-33.69
10024.0	H	-	-	-79.86	11.76	38.91	-56.35	-25.00	-31.35

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	V	-	-	-78.25	5.16	33.91	-61.34	-25.00	-36.34
7779.0	H	-	-	-79.61	9.61	37.00	-58.26	-25.00	-33.26
10372.0	H	-	-	-79.75	11.61	38.86	-56.40	-25.00	-31.40

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.0	H	-	-	-78.96	6.64	34.68	-60.58	-25.00	-35.58
8040.0	H	-	-	-80.01	9.23	36.22	-59.03	-25.00	-34.03
10720.0	H	-	-	-79.98	12.13	39.15	-56.10	-25.00	-31.10

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

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-10-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 412 of 427

V2.2 09/07/2023

NR Band n30

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4615.0	H	-	-	-79.87	7.81	34.94	-60.32	-40.00	-20.32
6922.5	H	-	-	-81.10	11.27	37.17	-58.08	-40.00	-18.08
9230.0	H	-	-	-82.05	12.52	37.47	-57.78	-40.00	-17.78

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.0	H	-	-	-80.12	7.83	34.71	-60.54	-40.00	-20.54
6930.0	H	-	-	-81.29	11.27	36.99	-58.27	-40.00	-18.27
9240.0	H	-	-	-81.65	12.55	37.90	-57.36	-40.00	-17.36

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4625.0	V	-	-	-79.96	7.81	34.85	-60.40	-40.00	-20.40
6937.5	H	-	-	-81.07	11.27	37.20	-58.05	-40.00	-18.05
9250.0	H	-	-	-81.65	12.55	37.90	-57.36	-40.00	-17.36

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

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-10-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 413 of 427

V2.2 09/07/2023

NR Band n7

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5040.0	H	-	-	-80.09	7.38	34.29	-60.96	-25.00	-35.96
7560.0	H	-	-	-81.07	11.43	37.36	-57.90	-25.00	-32.90
10080.0	H	-	-	-82.86	15.17	39.31	-55.95	-25.00	-30.95

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	V	-	-	-80.25	7.64	34.38	-60.87	-25.00	-35.87
7605.0	V	-	-	-81.37	11.73	37.36	-57.90	-25.00	-32.90
10140.0	H	-	-	-83.08	15.95	39.87	-55.39	-25.00	-30.39

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5100.0	H	-	-	-80.59	7.92	34.33	-60.93	-25.00	-35.93
7650.0	V	-	-	-81.11	11.23	37.12	-58.14	-25.00	-33.14
10200.0	V	-	-	-83.02	16.58	40.56	-54.70	-25.00	-29.70

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

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-10-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 414 of 427

V2.2 09/07/2023

NR Band n41

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5092.0	V	-	-	-79.98	7.82	34.84	-60.42	-25.00	-35.42
7638.0	V	-	-	-80.97	11.33	37.36	-57.90	-25.00	-32.90
10184.0	V	-	-	-82.48	16.58	41.10	-54.15	-25.00	-29.15

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	H	-	-	-80.19	8.10	34.91	-60.35	-25.00	-35.35
7779.0	H	-	-	-80.56	12.07	38.51	-56.75	-25.00	-31.75
10372.0	H	-	-	-82.06	15.58	40.52	-54.74	-25.00	-29.74

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5280.0	V	-	-	-80.40	8.40	35.00	-60.25	-25.00	-35.25
7920.0	V	-	-	-80.59	11.87	38.28	-56.98	-25.00	-31.98
10560.0	H	-	-	-82.20	16.28	41.08	-54.18	-25.00	-29.18

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

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-10-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 415 of 427

V2.2 09/07/2023

ULCA - LTE Band 7

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5020.0	V	-	-	-79.55	6.58	34.03	-61.22	-25.00	-36.22
7530.0	V	-	-	-79.97	9.59	36.62	-58.64	-25.00	-33.64
10040.0	V	-	-	-81.13	12.20	38.07	-57.19	-25.00	-32.19

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5070.0	V	-	-	-79.37	6.38	34.01	-61.25	-25.00	-36.25
7605.0	V	-	-	-80.80	10.29	36.49	-58.77	-25.00	-33.77
10140.0	V	-	-	-80.99	12.27	38.28	-56.98	-25.00	-31.98

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5120.0	V	-	-	-79.66	6.61	33.95	-61.31	-25.00	-36.31
7680.0	V	-	-	-80.13	9.66	36.53	-58.73	-25.00	-33.73
10240.0	V	-	-	-80.93	12.27	38.34	-56.92	-25.00	-31.92

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

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT						Approved by: Technical Manager
Test Report S/N: 1C2410210073-10-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device					Page 416 of 427

V2.2 09/07/2023

ULCA - LTE Band 41

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.0	V	-	-	-77.22	3.17	32.96	-62.30	-25.00	-37.30
7518.0	H	-	-	-78.49	6.17	34.68	-60.58	-25.00	-35.58
10024.0	H	-	-	-79.18	7.62	35.44	-59.82	-25.00	-34.82

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.0	H	-	-	-77.34	3.74	33.40	-61.86	-25.00	-36.86
7779.0	H	-	-	-77.71	5.76	35.05	-60.20	-25.00	-35.20
10372.0	H	-	-	-79.27	8.10	35.82	-59.43	-25.00	-34.43

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.0	H	-	-	-77.14	3.59	33.44	-61.81	-25.00	-36.81
8040.0	V	-	-	-78.25	5.58	34.33	-60.93	-25.00	-35.93
10720.0	V	-	-	-79.25	8.44	36.19	-59.07	-25.00	-34.07

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

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT						Approved by: Technical Manager
Test Report S/N: 1C2410210073-10-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device					Page 417 of 427

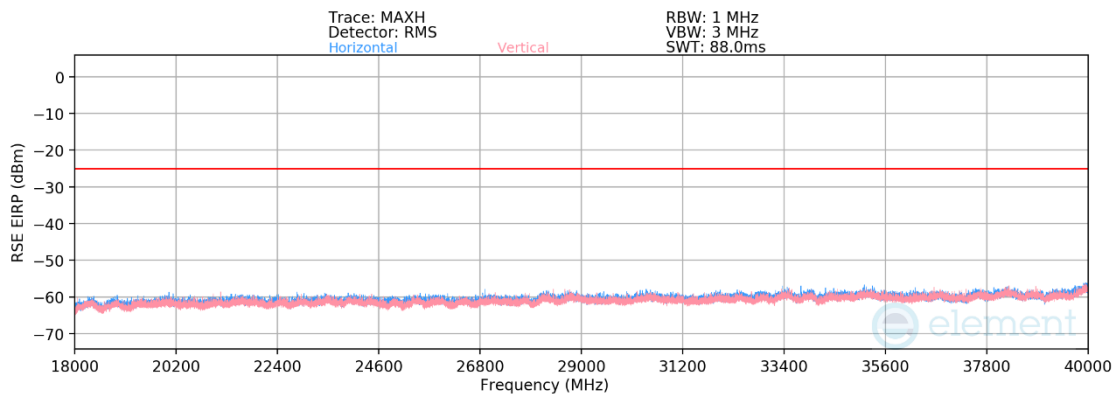
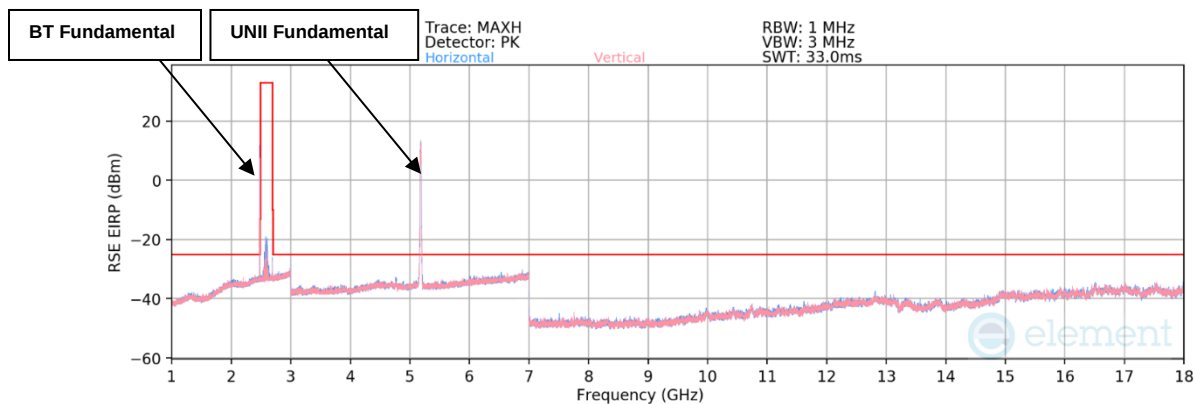
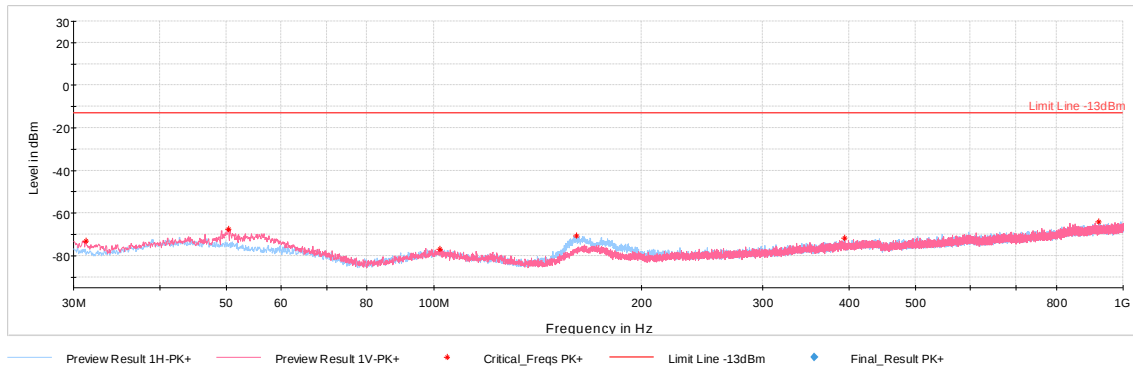
V2.2 09/07/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element Materials Technology. If you have any questions about this or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.

7.7.5 Simultaneous Tx Radiated Spurious Emissions Measurements

Description	LTE B41	Bluetooth	UNII
Antenna	Antenna 3a	Antenna 3a	Antenna 3a
Channel	40640	78	36
Operating Frequency (MHz)	2595	2480	5180
Mode/Modulation	QPSK/1RB/20MHz	GFSK ePa	11n

Table 7-143. Worst Case Simultaneous Transmission Configuration



FCC ID: BCGA3267		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-10-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 418 of 427

V2.2 09/07/2023

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]
4960.00	Peak	-	-	-	-69.04	17.06	55.02	73.98	-18.95
7440.00	Peak	-	-	-	-70.48	12.25	48.77	73.98	-25.21
9920.00	Peak	-	-	-	-71.75	15.13	50.38	73.98	-23.60
12400.00	Peak	-	-	-	-72.44	19.38	53.94	73.98	-20.04

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

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
10360.00	Peak	-	-	-	-72.06	16.28	51.22	68.23	-17.01
15540.00	Avg	-	-	-	-83.43	23.00	46.57	53.98	-7.41
15540.00	Peak	-	-	-	-72.41	23.00	57.59	73.98	-16.39

Table 7-145. UNII Harmonics Emissions Measurements in Simultaneous Transmission Mode

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dBm]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5172.00	-	-	-	-80.05	17.98	44.9	-50.29	-25.00	-25.29
7758.00	V	259	141	-72.73	11.82	46.1	-49.14	-25.00	-24.14
12930.00	-	-	-	-82.84	20.12	44.3	-50.95	-25.00	-25.95
2374.00*	-	-	-	-77.74	12.22	41.5	-53.75	-25.00	-28.75
2692.00*	H	140	210	-62.51	19.05	63.5	-31.69	-25.00	-6.69

Table 7-146. LTE-b41PC2 Harmonics and Intermodulation(*) Emissions Measurements in Simultaneous Transmission Mode

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-10-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 419 of 427

V2.2 09/07/2023

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

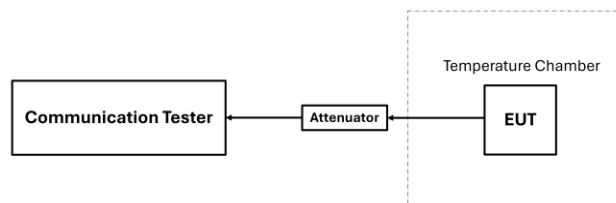


Figure 7-12. LTE Test Instrument & Measurement Setup

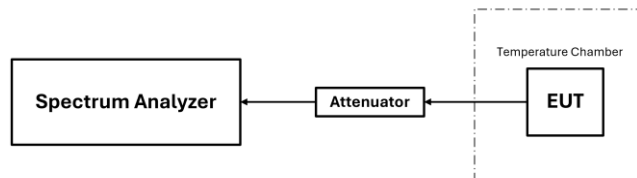


Figure 7-13. FR1 Test Instrument & Measurement Setup

Test Notes

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

FCC ID: BCGA3267		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-10-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 420 of 427

V2.2 09/07/2023

Frequency Stability / Temperature Variation

LTE Band 30				
Operating Band Lower Boundary (GHz)			2.305	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.3055646	-0.0005646
		- 20	2.3055870	-0.0005870
		- 10	2.3050235	-0.0000235
		0	2.3051217	-0.0001217
		+ 10	2.3051198	-0.0001198
		+ 20 (Ref)	2.3055802	-0.0005802
		+ 30	2.3057151	-0.0007151
		+ 40	2.3053260	-0.0003260
		+ 50	2.3054429	-0.0004429
Battery Endpoint	3.40	+ 20	2.3057604	-0.0007604

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

LTE Band 30				
Operating Band Upper Boundary (GHz)			2.315	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.3143191	-0.0006809
		- 20	2.3144514	-0.0005486
		- 10	2.3149464	-0.0000536
		0	2.3140026	-0.0009974
		+ 10	2.3146851	-0.0003149
		+ 20 (Ref)	2.3144728	-0.0005272
		+ 30	2.3142416	-0.0007584
		+ 40	2.3146572	-0.0003428
		+ 50	2.3144862	-0.0005138
Battery Endpoint	3.40	+ 20	2.3147764	-0.0002236

Table 7-148. Upper Boundary LTE Band 30 Frequency Stability Data

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-10-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 421 of 427

V2.2 09/07/2023

Frequency Stability / Temperature Variation

LTE Band 7				
Operating Band Lower Boundary (GHz)			2.500	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.5000293	-0.0000293
		- 20	2.5004104	-0.0004104
		- 10	2.5004509	-0.0004509
		0	2.5003355	-0.0003355
		+ 10	2.5003831	-0.0003831
		+ 20 (Ref)	2.5003894	-0.0003894
		+ 30	2.5008683	-0.0008683
		+ 40	2.5003491	-0.0003491
		+ 50	2.5000796	-0.0000796
Battery Endpoint	3.40	+ 20	2.5006031	-0.0006031

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

LTE Band 7				
Operating Band Upper Boundary (GHz)			2.570	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.5697346	-0.0002654
		- 20	2.5692650	-0.0007350
		- 10	2.5691760	-0.0008240
		0	2.5693174	-0.0006826
		+ 10	2.5690139	-0.0009861
		+ 20 (Ref)	2.5695607	-0.0004393
		+ 30	2.5694984	-0.0005016
		+ 40	2.5698805	-0.0001195
		+ 50	2.5693111	-0.0006889
Battery Endpoint	3.40	+ 20	2.5695633	-0.0004367

Table 7-150. Upper Boundary LTE Band 7 Frequency Stability Data

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-10-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 422 of 427

V2.2 09/07/2023

Frequency Stability / Temperature Variation

LTE Band 41				
Operating Band Lower Boundary (GHz)			2.496	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.4960734	-0.0000734
		- 20	2.4963725	-0.0003725
		- 10	2.4967712	-0.0007712
		0	2.4966439	-0.0006439
		+ 10	2.4969664	-0.0009664
		+ 20 (Ref)	2.4963683	-0.0003683
		+ 30	2.4962502	-0.0002502
		+ 40	2.4969000	-0.0009000
		+ 50	2.4963263	-0.0003263
Battery Endpoint	3.40	+ 20	2.4968861	-0.0008861

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

LTE Band 41				
Operating Band Upper Boundary (GHz)			2.690	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.6891634	-0.0008366
		- 20	2.6899152	-0.0000848
		- 10	2.6898794	-0.0001206
		0	2.6897466	-0.0002534
		+ 10	2.6899285	-0.0000715
		+ 20 (Ref)	2.6896381	-0.0003619
		+ 30	2.6896605	-0.0003395
		+ 40	2.6895230	-0.0004770
		+ 50	2.6892497	-0.0007503
Battery Endpoint	3.40	+ 20	2.6890941	-0.0009059

Table 7-152. Upper Boundary LTE Band 41 Frequency Stability Data

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-10-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 423 of 427

V2.2 09/07/2023

Frequency Stability / Temperature Variation

NR Band n30				
Operating Band Lower Boundary (GHz)			2.3050	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.3050234	-0.0000234
		- 20	2.3051046	-0.0001046
		- 10	2.3051814	-0.0001814
		0	2.3051500	-0.0001500
		+ 10	2.3057392	-0.0007392
		+ 20 (Ref)	2.3051787	-0.0001787
		+ 30	2.3059909	-0.0009909
		+ 40	2.3052931	-0.0002931
		+ 50	2.3051204	-0.0001204
Battery Endpoint	3.40	+ 20	2.3050653	-0.0000653

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

NR Band n30				
Operating Band Upper Boundary (GHz)			2.3150	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.3142914	-0.0007086
		- 20	2.3149993	-0.0000007
		- 10	2.3140920	-0.0009080
		0	2.3148419	-0.0001581
		+ 10	2.3147494	-0.0002506
		+ 20 (Ref)	2.3148900	-0.0001100
		+ 30	2.3149862	-0.0000138
		+ 40	2.3141095	-0.0008905
		+ 50	2.3143516	-0.0006484
Battery Endpoint	3.40	+ 20	2.3147267	-0.0002733

Table 7-154. Upper Boundary NR Band n30 Frequency Stability Data

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-10-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 424 of 427

V2.2 09/07/2023

Frequency Stability / Temperature Variation

NR Band n7				
Operating Band Lower Boundary (GHz)			2.500	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.5000541	-0.0000541
		- 20	2.5005954	-0.0005954
		- 10	2.5007225	-0.0007225
		0	2.5008521	-0.0008521
		+ 10	2.5001509	-0.0001509
		+ 20 (Ref)	2.5000238	-0.0000238
		+ 30	2.5005710	-0.0005710
		+ 40	2.5007851	-0.0007851
		+ 50	2.5007068	-0.0007068
Battery Endpoint	3.40	+ 20	2.5002742	-0.0002742

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

NR Band n7				
Operating Band Upper Boundary (GHz)			2.570	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.5696490	-0.0003510
		- 20	2.5695712	-0.0004288
		- 10	2.5691437	-0.0008563
		0	2.5690118	-0.0009882
		+ 10	2.5699429	-0.0000571
		+ 20 (Ref)	2.5695308	-0.0004692
		+ 30	2.5696768	-0.0003232
		+ 40	2.5699797	-0.0000203
		+ 50	2.5693843	-0.0006157
Battery Endpoint	3.40	+ 20	2.5692840	-0.0007160

Table 7-156. Upper Boundary NR Band n7 Frequency Stability Data

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-10-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 425 of 427

V2.2 09/07/2023

Frequency Stability / Temperature Variation

NR Band n41				
Operating Band Lower Boundary (GHz)			2.496	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.4962663	-0.0002663
		- 20	2.4963310	-0.0003310
		- 10	2.4963315	-0.0003315
		0	2.4965130	-0.0005130
		+ 10	2.4964832	-0.0004832
		+ 20 (Ref)	2.4969961	-0.0009961
		+ 30	2.4965475	-0.0005475
		+ 40	2.4961767	-0.0001767
		+ 50	2.4963564	-0.0003564
Battery Endpoint	3.40	+ 20	2.4965121	-0.0005121

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

NR Band n41				
Operating Band Upper Boundary (GHz)			2.690	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	2.6890163	-0.0009837
		- 20	2.6894775	-0.0005225
		- 10	2.6894698	-0.0005302
		0	2.6891885	-0.0008115
		+ 10	2.6891599	-0.0008401
		+ 20 (Ref)	2.6896699	-0.0003301
		+ 30	2.6899580	-0.0000420
		+ 40	2.6893999	-0.0006001
		+ 50	2.6899567	-0.0000433
Battery Endpoint	3.40	+ 20	2.6890522	-0.0009478

Table 7-158. Upper Boundary NR Band n41 Frequency Stability Data

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210073-10-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device	Page 426 of 427

V2.2 09/07/2023

8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the Apple **Tablet Device** **FCC ID: BCGA3267** complies with all the requirements of Part 27 of the FCC rules.

FCC ID: BCGA3267	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210073-10-R1.BCG	Test Dates: 7/1/2024 - 12/9/2024	EUT Type: Tablet Device
		Page 427 of 427

V2.2 09/07/2023