

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 [dB $\mu$ V/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
822.00	H	-	-	-85.26	30.47	52.21	-45.20	-25.00	-20.20

Table 7-37. Radiated Spurious Data (LTE Band 41(PC2) – Mid Channel – Ant1)

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 [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.00	H	-	-	-76.38	3.01	33.63	-61.63	-25.00	-36.63
7518.00	H	-	-	-77.32	9.31	38.99	-56.27	-25.00	-31.27
10024.00	H	-	-	-78.56	11.51	39.95	-55.31	-25.00	-30.31

Table 7-38. Radiated Spurious Data (LTE Band 41(PC2) – Low Channel – Ant1)

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 [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.00	H	-	-	-76.98	3.36	33.38	-61.87	-25.00	-36.87
7779.00	H	-	-	-77.14	8.63	38.49	-56.77	-25.00	-31.77
10372.00	H	-	-	-79.24	12.21	39.97	-55.28	-25.00	-30.28

Table 7-39. Radiated Spurious Data (LTE Band 41(PC2) – Mid Channel – Ant1)

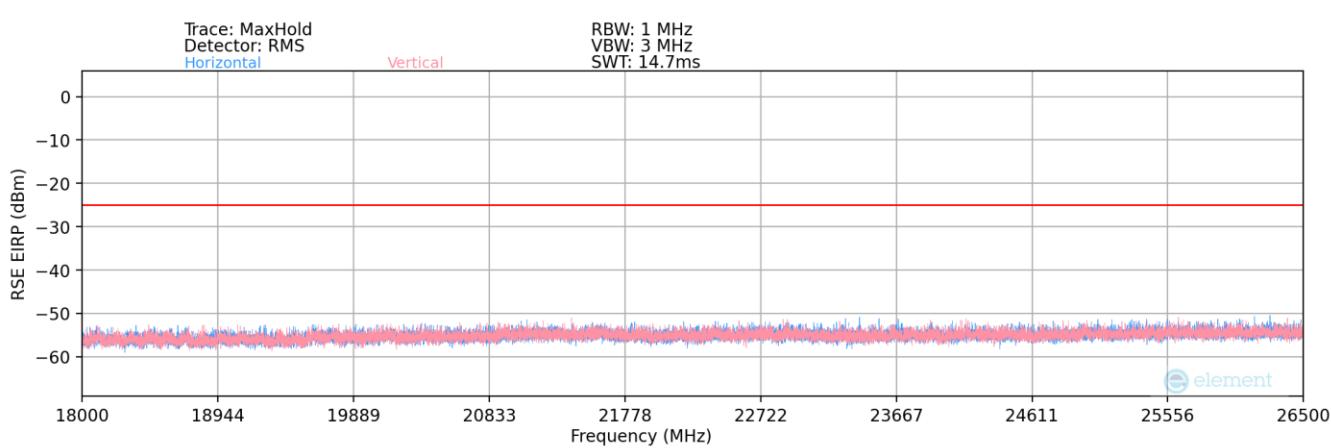
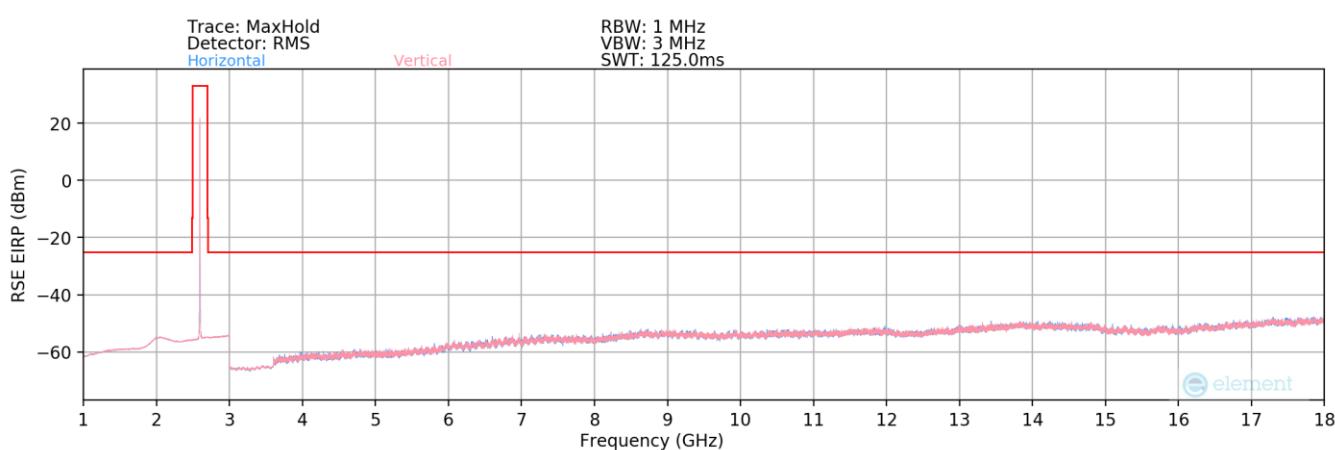
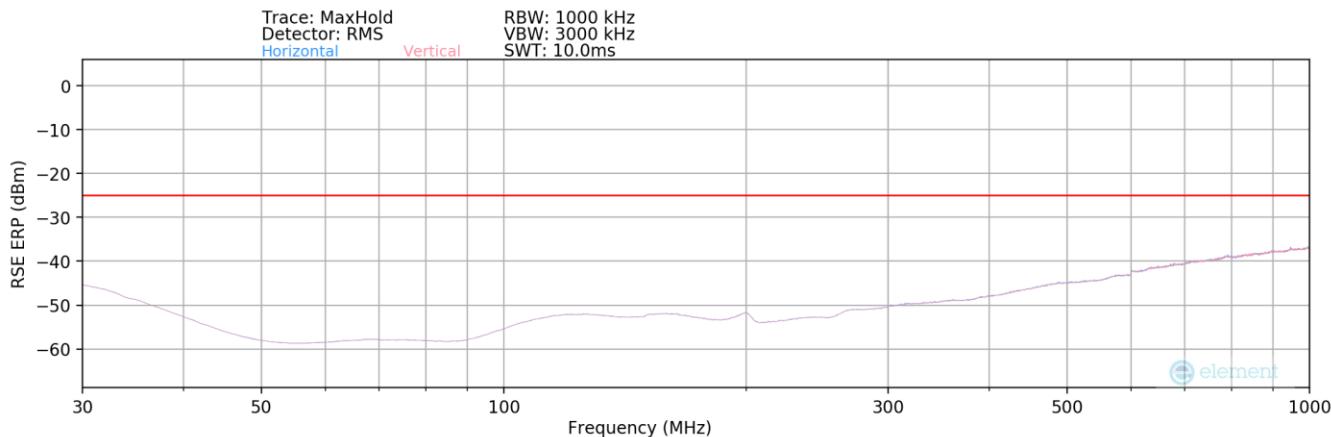
Bandwidth (MHz):	20
Frequency (MHz):	2680.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.00	H	-	-	-76.35	3.38	34.03	-61.23	-25.00	-36.23
8040.00	H	-	-	-77.92	9.46	38.54	-56.71	-25.00	-31.71
10720.00	H	-	-	-79.47	12.84	40.37	-54.88	-25.00	-29.88

Table 7-40. Radiated Spurious Data (LTE Band 41(PC2) – High Channel – Ant1)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT						Approved by: Technical Manager
Test Report S/N: 1M2411190103-04-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular					Page 151 of 178

## LTE Band 41(PC3)/38 – Ant1



FCC ID: C3K2114	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2411190103-04-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular	Page 152 of 178

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 [dB $\mu$ V/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
796.00	H	-	-	-108.40	30.13	28.73	-68.68	-25.00	-43.68

Table 7-41. Radiated Spurious Data (LTE Band 41(PC3)/38 – Mid Channel – Ant1)

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 [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.00	H	-	-	-78.44	3.12	31.68	-63.58	-25.00	-38.58
7518.00	H	-	-	-79.06	9.56	37.50	-57.75	-25.00	-32.75
10024.00	H	-	-	-79.76	11.88	39.12	-56.13	-25.00	-31.13

Table 7-42. Radiated Spurious Data (LTE Band 41(PC3)/38 – Low Channel – Ant1)

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 [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.00	H	-	-	-78.63	3.36	31.73	-63.52	-25.00	-38.52
7779.00	H	-	-	-78.68	8.63	36.95	-58.31	-25.00	-33.31
10372.00	H	-	-	-80.62	12.21	38.59	-56.66	-25.00	-31.66

Table 7-43. Radiated Spurious Data (LTE Band 41(PC3)/38 – Mid Channel – Ant1)

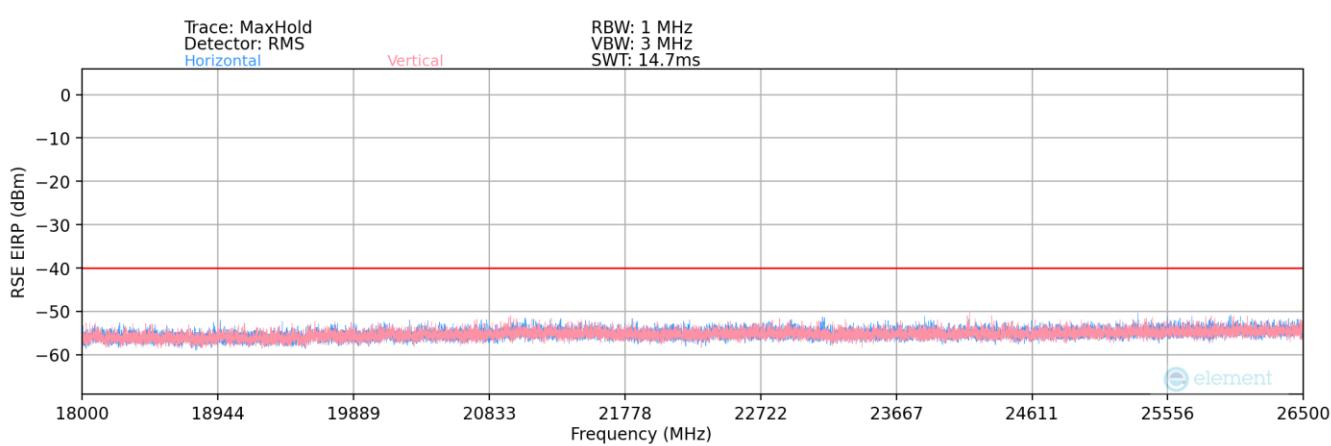
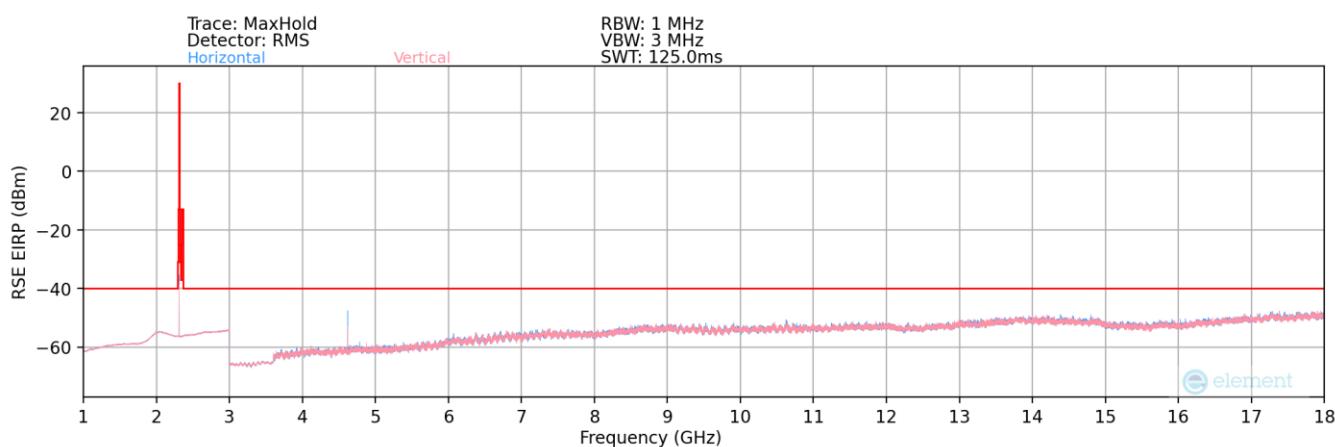
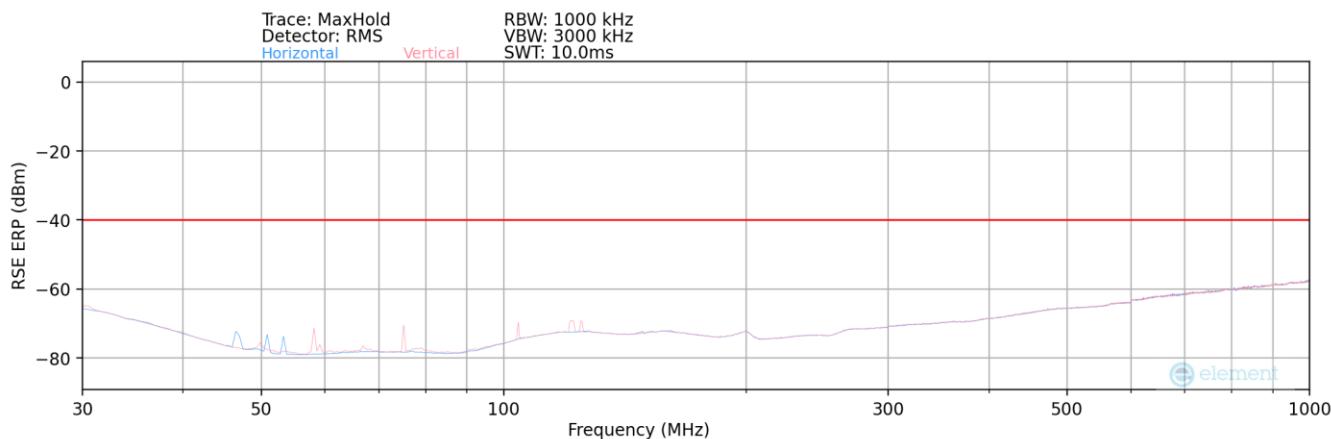
Bandwidth (MHz):	20
Frequency (MHz):	2680.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.00	H	-	-	-78.25	3.38	32.13	-63.13	-25.00	-38.13
8040.00	H	-	-	-79.35	9.46	37.11	-58.14	-25.00	-33.14
10720.00	H	-	-	-80.99	12.84	38.85	-56.40	-25.00	-31.40

Table 7-44. Radiated Spurious Data (LTE Band 41(PC3)/38 – High Channel – Ant1)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT						Approved by: Technical Manager
Test Report S/N: 1M2411190103-04-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular					Page 153 of 178

## NR Band n30 – Ant1



FCC ID: C3K2114	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2411190103-04-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular	Page 154 of 178

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 26

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
79.48	V	-	-	-92.41	14.55	29.14	-68.26	-40.00	-28.26

Table 7-45. Radiated Spurious Data (NR Band n30 – Mid Channel – Ant1)

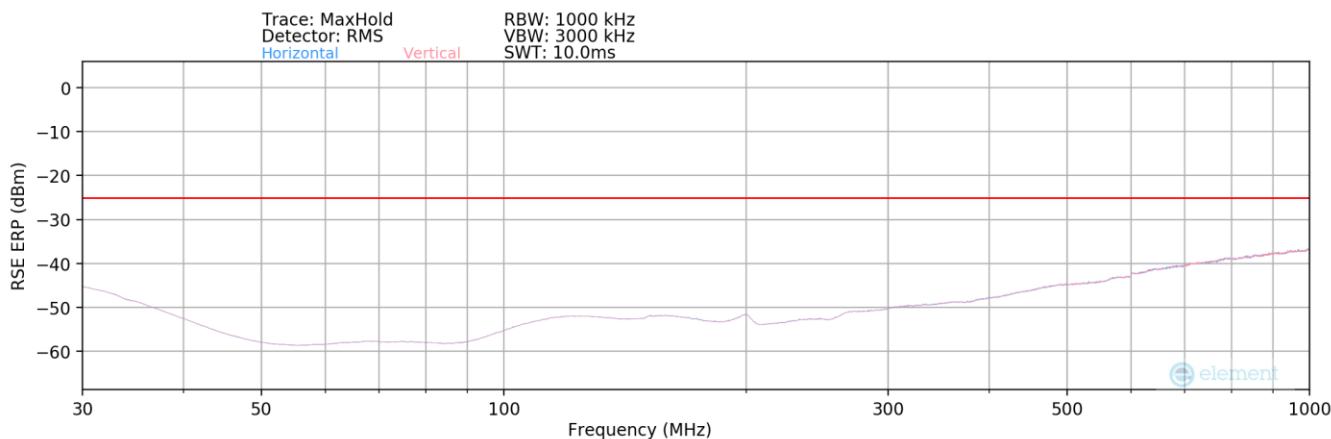
Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 26

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.00	H	129	135	-64.20	2.76	45.56	-49.69	-40.00	-9.69
6930.00	H	-	-	-80.15	8.37	35.22	-60.03	-40.00	-20.03
9240.00	H	-	-	-80.65	11.10	37.45	-57.81	-40.00	-17.81
11550.00	H	-	-	-81.79	13.21	38.42	-56.84	-40.00	-16.84

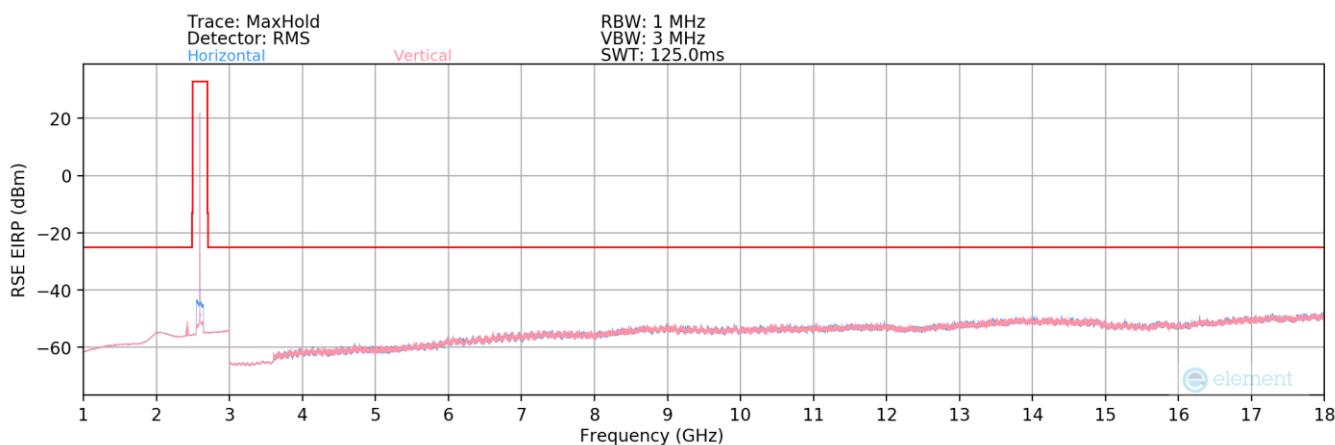
Table 7-46. Radiated Spurious Data (NR Band n30 – Mid Channel – Ant1)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2411190103-04-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular		

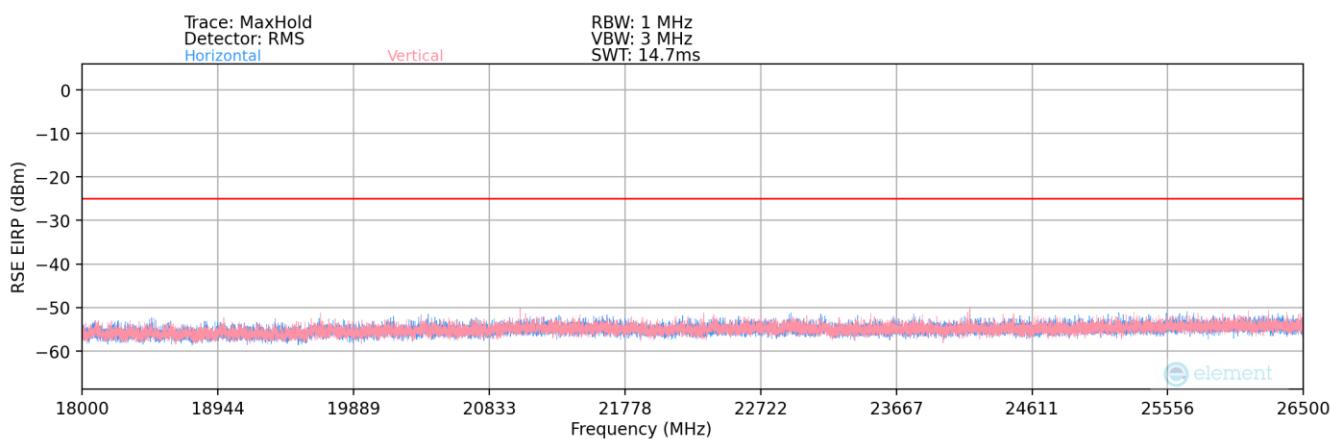
## NR Band n41(PC2) – Ant1



Plot 7-199. Radiated Spurious Plot Below 1GHz (NR Band n41PC2 – Ant1)



Plot 7-200. Radiated Spurious Plot 1-18GHz (NR Band n41PC2 – Ant1)



Plot 7-201. Radiated Spurious Plot 18-26.5GHz (NR Band n41PC2 – Ant1)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2411190103-04-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular	Page 156 of 178

Bandwidth (MHz):	40
Frequency (MHz):	2593.00
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
525.00	H	-	-	-108.56	26.20	24.64	-72.77	-25.00	-47.77

Table 7-47. Radiated Spurious Data (NR Band n41PC2 – Mid Channel – Ant1)

Bandwidth (MHz):	100
Frequency (MHz):	2546.01
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5092.02	H	-	-	-78.86	3.17	31.31	-63.95	-25.00	-38.95
7638.03	H	-	-	-79.10	9.72	37.62	-57.64	-25.00	-32.64
10184.04	H	-	-	-80.25	12.49	39.24	-56.02	-25.00	-31.02

Table 7-48. Radiated Spurious Data (NR Band n41PC2 – Low Channel – Ant1)

Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5185.98	H	-	-	-78.70	3.36	31.66	-63.59	-25.00	-38.59
7778.97	H	-	-	-78.72	8.63	36.91	-58.35	-25.00	-33.35
10371.96	H	-	-	-80.44	12.21	38.77	-56.48	-25.00	-31.48

Table 7-49. Radiated Spurious Data (NR Band n41PC2 – Mid Channel – Ant1)

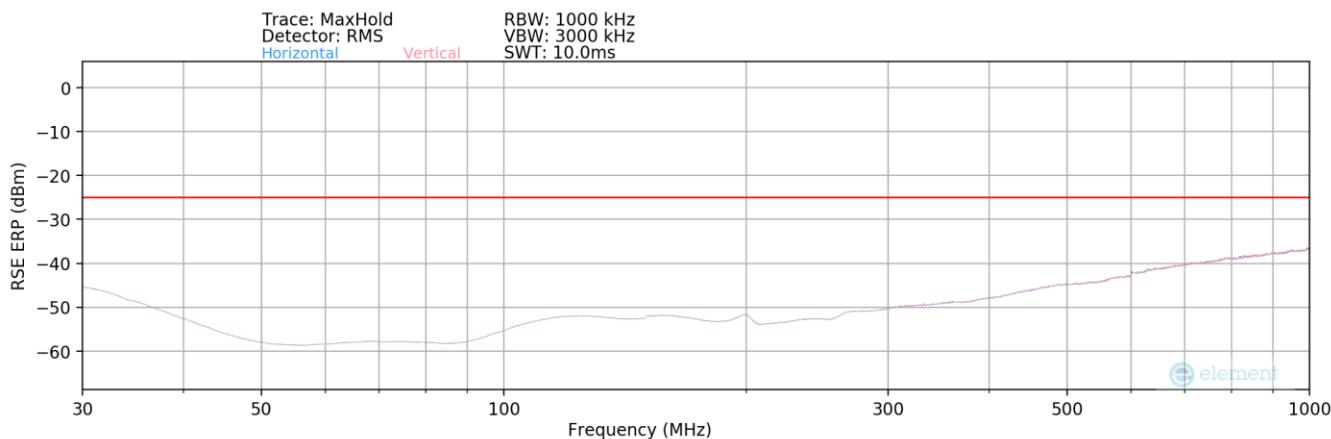
Bandwidth (MHz):	100
Frequency (MHz):	2640.00
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5280.00	H	-	-	-78.14	3.28	32.14	-63.12	-25.00	-38.12
7920.00	H	-	-	-79.79	9.67	36.88	-58.38	-25.00	-33.38
10560.00	H	-	-	-80.41	12.67	39.26	-55.99	-25.00	-30.99

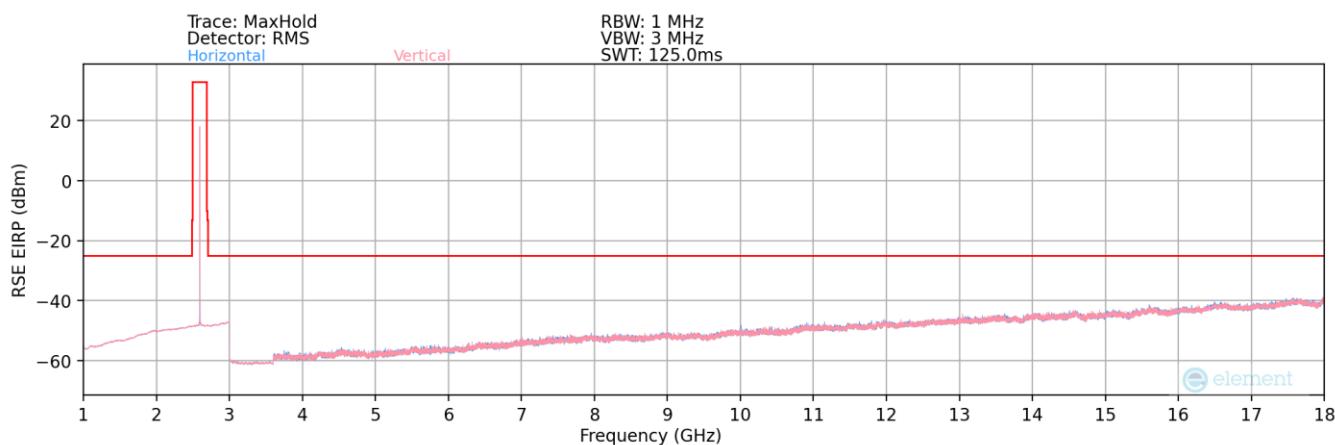
Table 7-50. Radiated Spurious Data (NR Band n41PC2 – High Channel – Ant1)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT						Approved by: Technical Manager
Test Report S/N: 1M2411190103-04-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular					Page 157 of 178

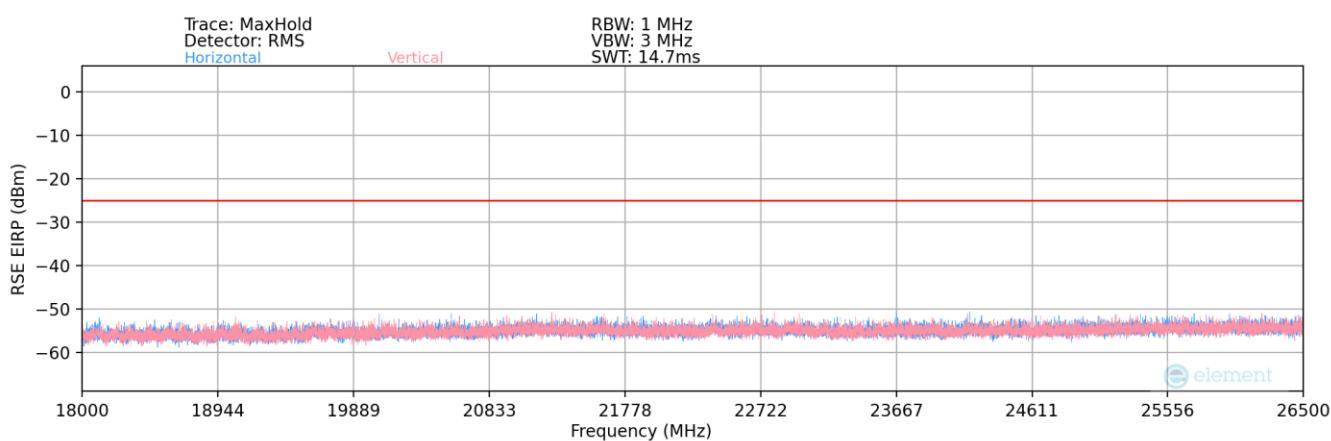
## NR Band n41(PC3) – Ant1



Plot 7-202. Radiated Spurious Plot Below 1GHz (NR Band n41PC3 – Ant1)



Plot 7-203. Radiated Spurious Plot 1-18GHz (NR Band n41PC3 – Ant1)



Plot 7-204. Radiated Spurious Plot 18-26.5GHz (NR Band n41PC3 – Ant1)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2411190103-04-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular	Page 158 of 178

Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
87.00	H	-	-	-86.55	14.44	34.89	-62.51	-25.00	-37.51

Table 7-51.. Radiated Spurious Data (NR Band n41PC3 – Mid Channel – Ant1)

Bandwidth (MHz):	100
Frequency (MHz):	2546.01
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5092.02	H	-	-	-78.17	7.57	36.40	-58.85	-25.00	-33.85
7638.03	H	-	-	-78.99	12.62	40.63	-54.62	-25.00	-29.62
10184.04	H	-	-	-79.79	15.76	42.97	-52.29	-25.00	-27.29

Table 7-52. Radiated Spurious Data (NR Band n41PC3 – Low Channel – Ant1)

Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5185.98	H	-	-	-78.08	7.25	36.17	-59.08	-25.00	-34.08
7778.97	H	-	-	-79.31	12.94	40.63	-54.62	-25.00	-29.62
10371.96	H	-	-	-81.04	16.26	42.22	-53.04	-25.00	-28.04

Table 7-53. Radiated Spurious Data (NR Band n41PC3 – Mid Channel – Ant1)

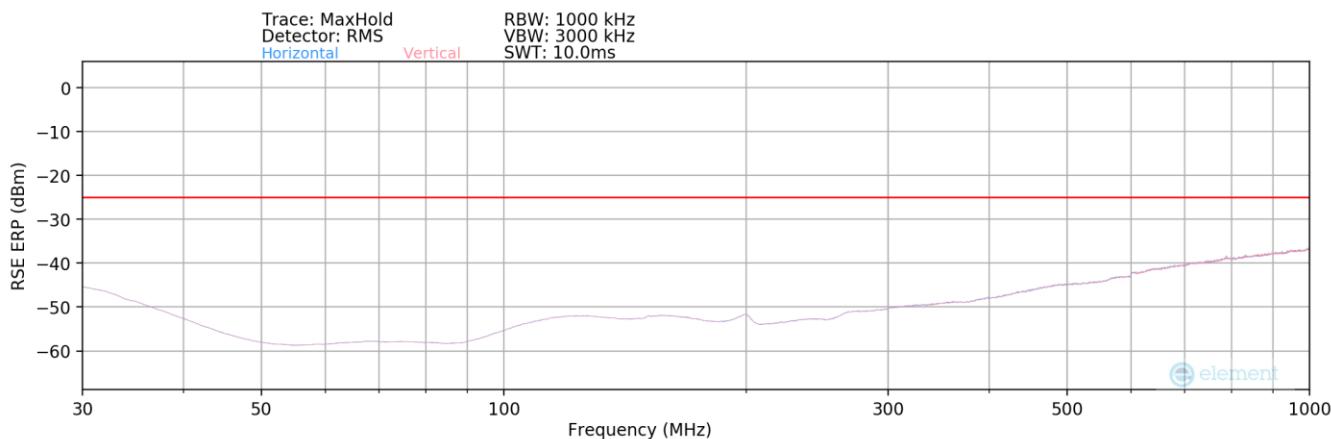
Bandwidth (MHz):	100
Frequency (MHz):	2640.00
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5280.00	H	-	-	-77.88	7.18	36.30	-58.96	-25.00	-33.96
7920.00	H	-	-	-80.12	14.02	40.90	-54.36	-25.00	-29.36
10560.00	H	-	-	-81.01	16.39	42.38	-52.88	-25.00	-27.88

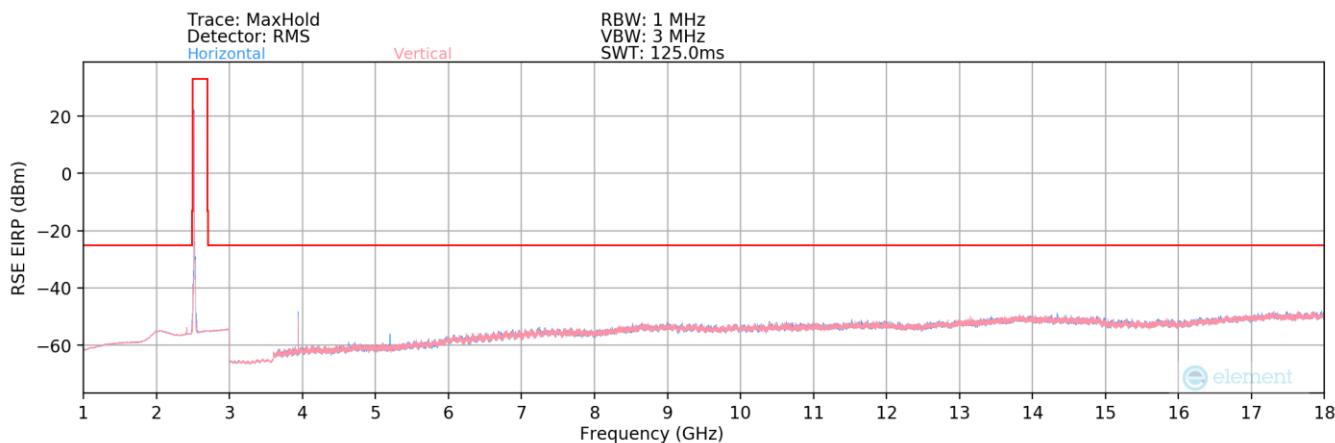
Table 7-54 Radiated Spurious Data (NR Band n41PC3 – High Channel – Ant1)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT						Approved by: Technical Manager
Test Report S/N: 1M2411190103-04-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular					Page 159 of 178

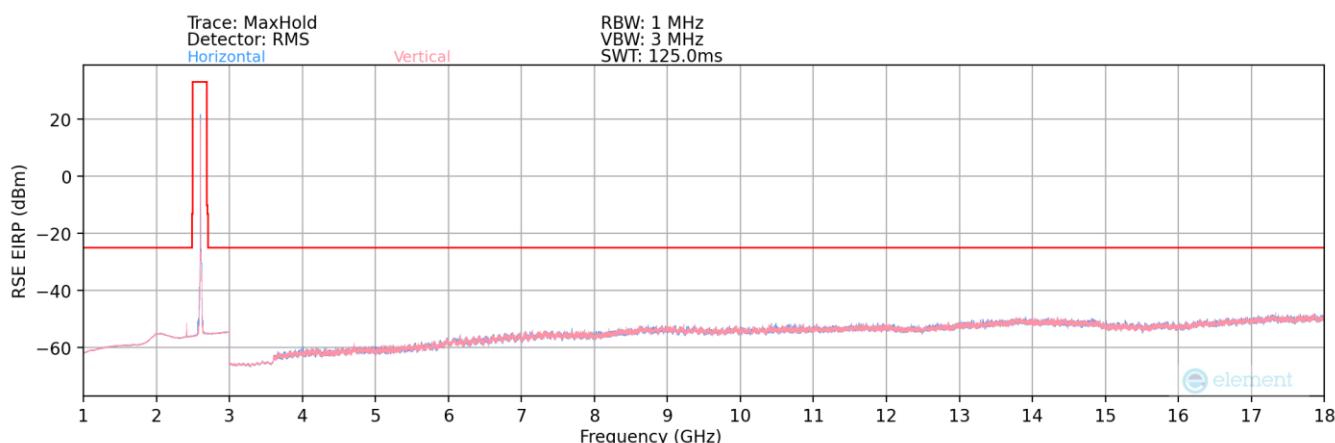
## ULCA - LTE B41(PC3) – Ant1



Plot 7-205. Radiated Spurious Plot Below 1GHz (ULCA LTE B41(PC3) – Ant1)

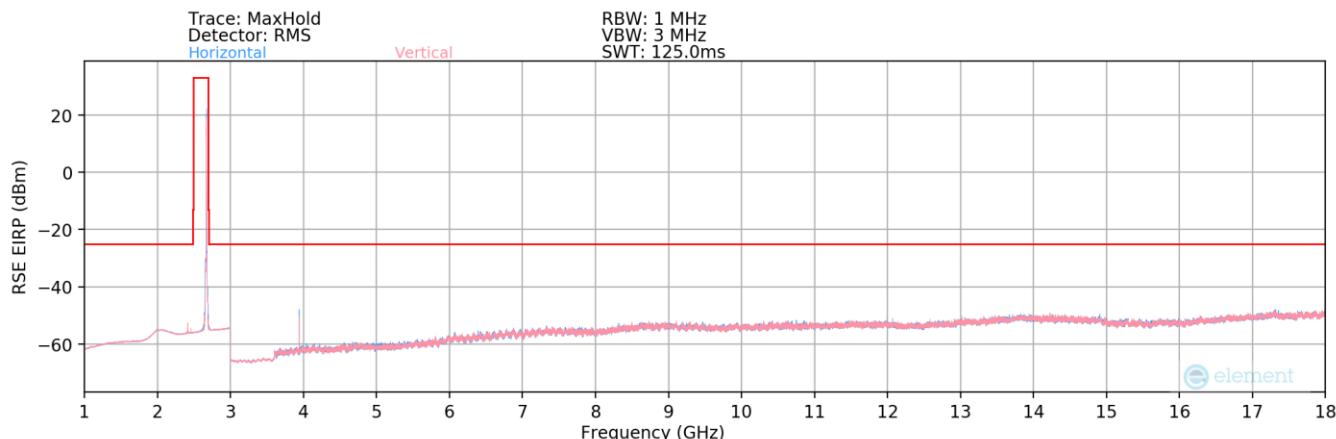


Plot 7-206. Radiated Spurious Plot 1GHz-18GHz (ULCA LTE B41(PC3) – Ant1)

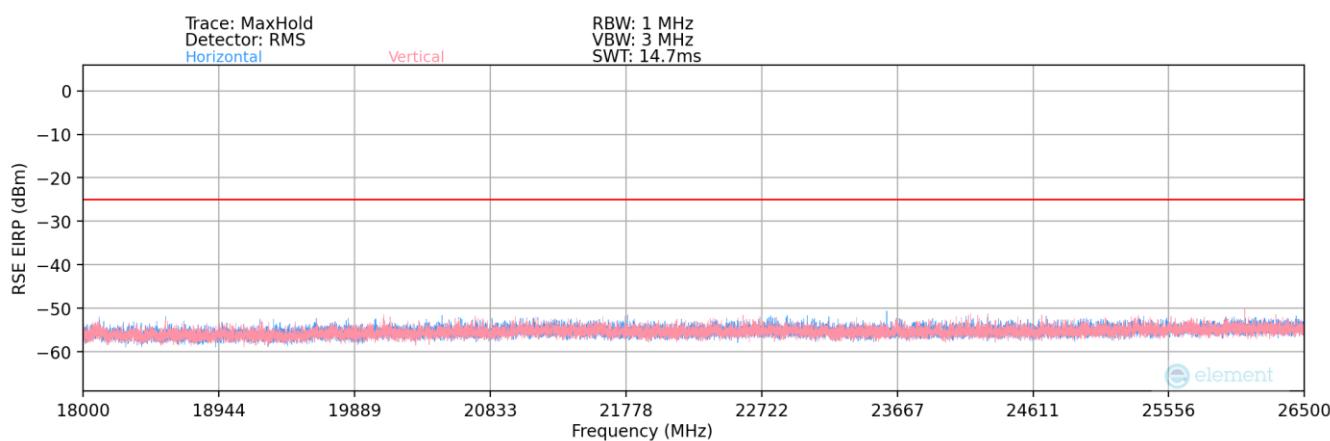


Plot 7-207. Radiated Spurious Plot 1GHz-18GHz (ULCA LTE B41(PC3) – Ant1)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2411190103-04-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular	Page 160 of 178



**Plot 7-208. Radiated Spurious Plot 1GHz-18GHz (ULCA LTE B41(PC3) – Ant1)**



**Plot 7-209. Radiated Spurious Plot 18GHz-26.5GHz (ULCA LTE B41(PC3) – Ant1)**

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 [dB $\mu$ V/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
602.00	V	-	-	-86.58	27.13	47.55	-49.86	-25.00	-24.86

**Table 7-55. Radiated Spurious Data (ULCA LTE B41(PC3) – Mid Channel – Ant1)**

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
Test Report S/N: 1M2411190103-04-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular				Page 161 of 178

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 [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3939.80	H	386	174	-58.68	1.62	49.94	-45.32	-25.00	-20.32
5031.80	H	-	-	-76.25	3.20	33.95	-61.31	-25.00	-36.31
7547.70	H	-	-	-77.38	9.52	39.14	-56.12	-25.00	-31.12
10063.60	H	-	-	-78.48	12.30	40.82	-54.44	-25.00	-29.44

Table 7-56. Radiated Spurious Data (ULCA LTE B41(PC3) – Low Channel – Ant1)

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 [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5205.80	V	139	295	-65.02	3.40	45.38	-49.88	-25.00	-24.88
7808.70	V	-	-	-77.34	9.20	38.86	-56.40	-25.00	-31.40
10411.60	V	-	-	-78.72	12.51	40.79	-54.46	-25.00	-29.46
13014.50	V	-	-	-79.77	14.55	41.78	-53.48	-25.00	-28.48

Table 7-57. Radiated Spurious Data (ULCA LTE B41(PC3) – Mid Channel – Ant1)

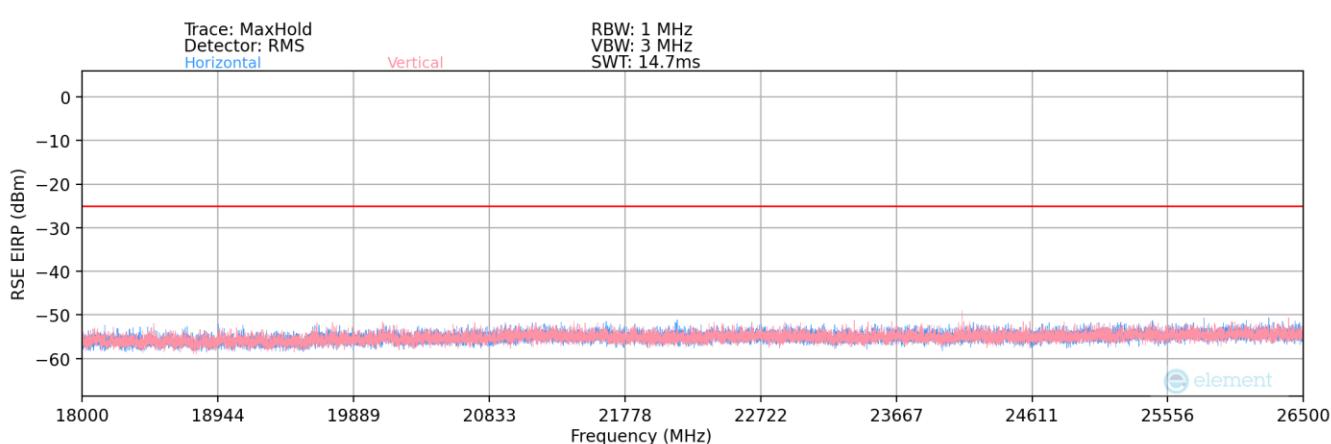
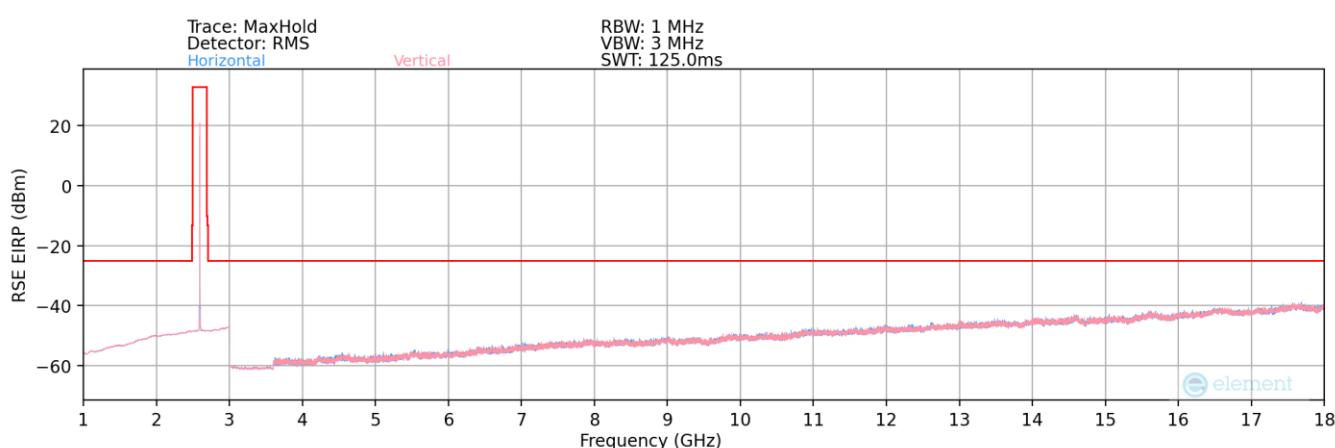
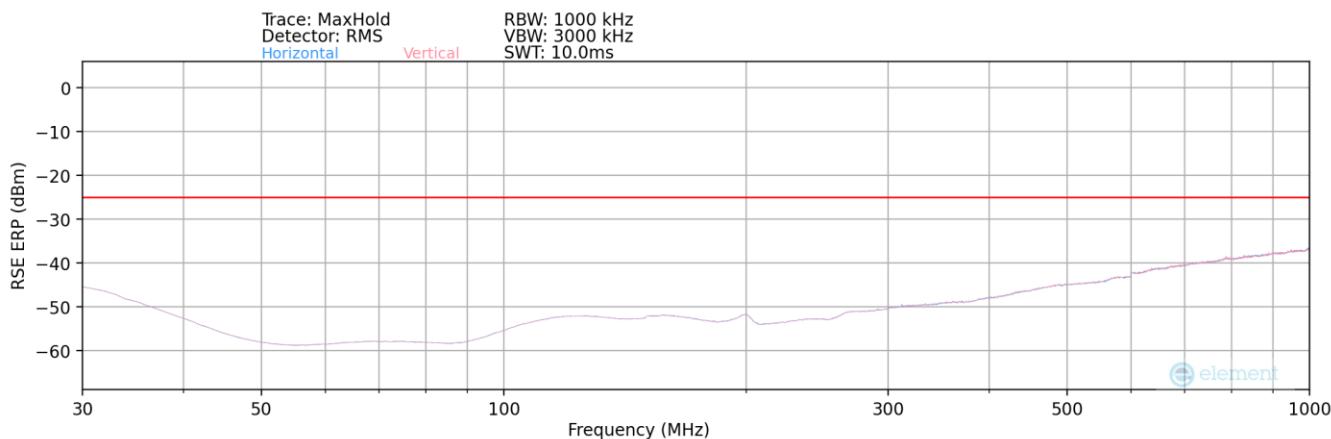
PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2680.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2660.2
SCC RB / Offset:	1 / 99

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3940.00	H	136	159	-59.50	1.62	49.12	-46.14	-25.00	-21.14
5340.20	H	-	-	-75.46	3.22	34.76	-60.50	-25.00	-35.50
8010.30	H	-	-	-78.05	9.20	38.15	-57.11	-25.00	-32.11
10680.40	H	-	-	-79.37	12.70	40.33	-54.93	-25.00	-29.93

Table 7-58. Radiated Spurious Data (ULCA LTE B41(PC3) – High Channel – Ant1)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT						Approved by: Technical Manager
Test Report S/N: 1M2411190103-04-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular					Page 162 of 178

## LTE Band 41(PC2) – Ant6



FCC ID: C3K2114	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	20
Frequency (MHz):	2510.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
70.00	V	-	-	-76.81	-15.84	14.35	-83.06	-25.00	-58.06

Table 7-59. Radiated Spurious Data (LTE Band 41(PC2) – Mid Channel – Ant6)

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 [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.00	H	-	-	-80.36	7.43	34.07	-61.18	-25.00	-36.18
7518.00	H	-	-	-81.79	7.43	32.64	-62.61	-25.00	-37.61
10024.00	H	-	-	-81.77	7.43	32.66	-62.59	-25.00	-37.59

Table 7-60. Radiated Spurious Data (LTE Band 41(PC2) – Low Channel – Ant6)

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 [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.00	H	-	-	-80.12	7.43	34.31	-60.94	-25.00	-35.94
7779.00	H	-	-	-81.38	7.43	33.05	-62.20	-25.00	-37.20
10372.00	H	-	-	-83.16	7.43	31.27	-63.98	-25.00	-38.98

Table 7-61. Radiated Spurious Data (LTE Band 41(PC2) – Mid Channel – Ant6)

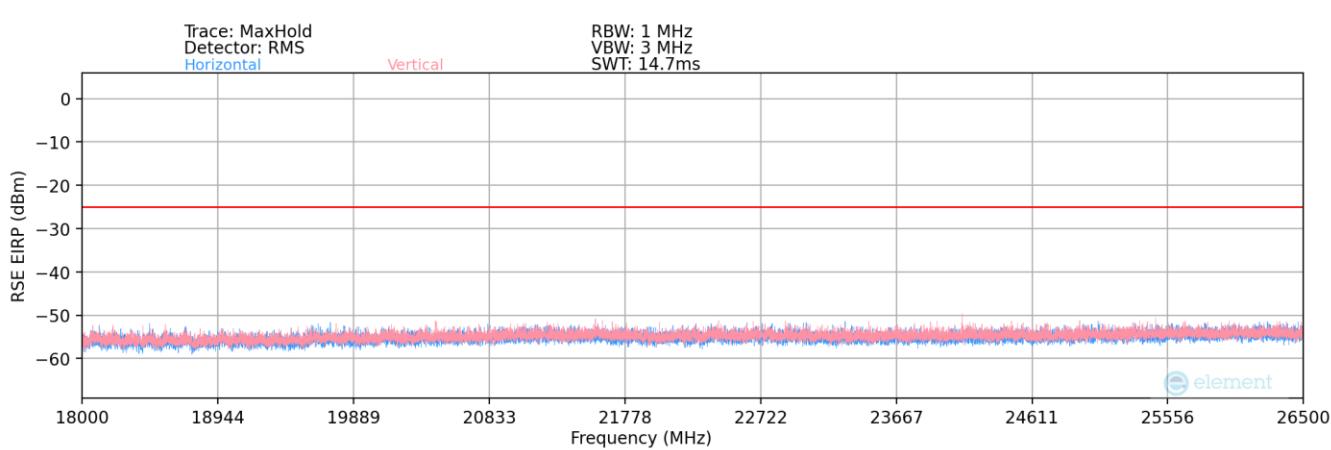
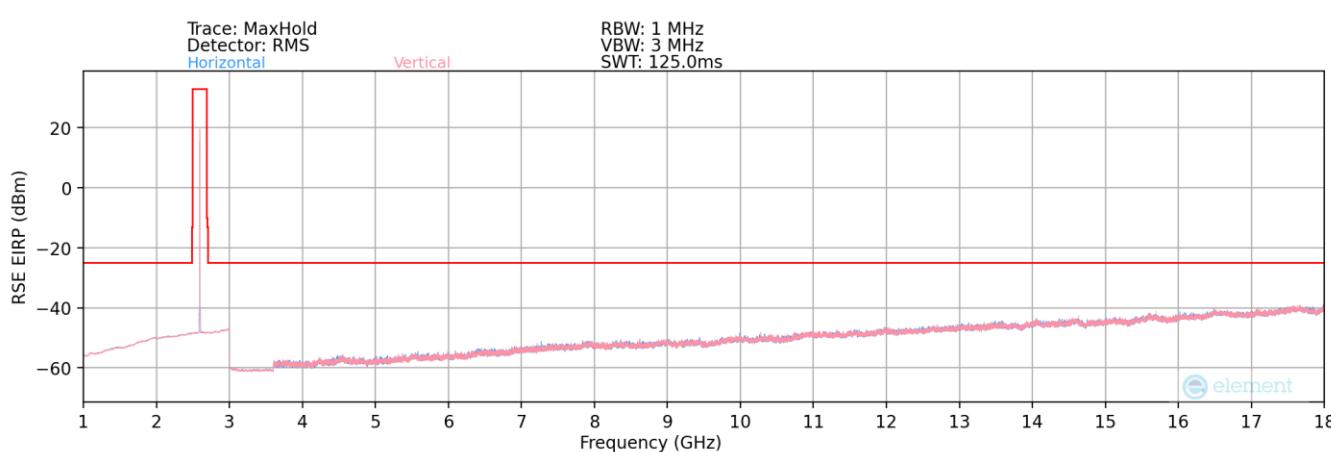
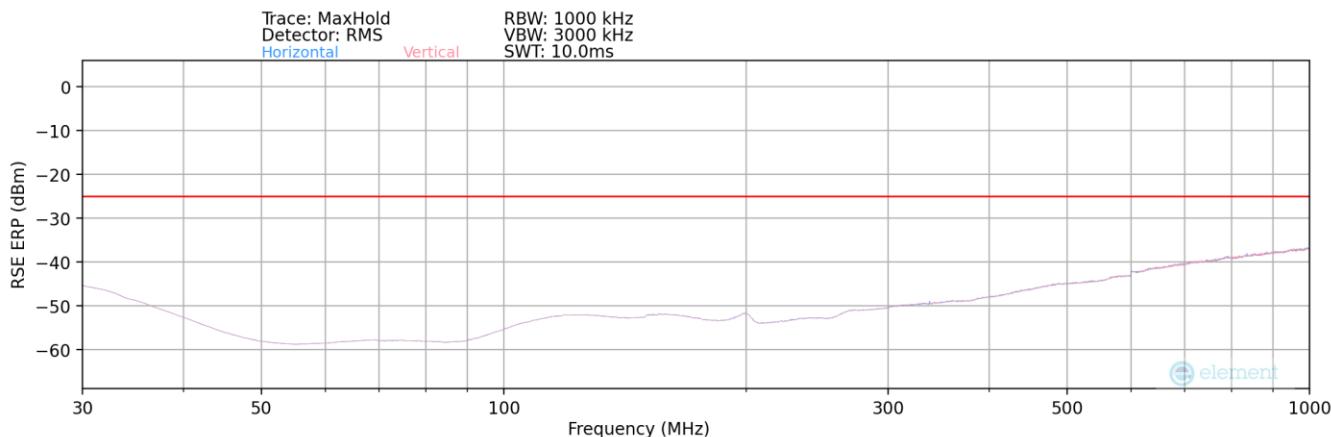
Bandwidth (MHz):	20
Frequency (MHz):	2680.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.00	H	-	-	-80.19	7.43	34.24	-61.01	-25.00	-36.01
8040.00	H	-	-	-81.39	7.43	33.04	-62.21	-25.00	-37.21
10720.00	H	-	-	-82.65	7.43	31.78	-63.47	-25.00	-38.47

Table 7-62. Radiated Spurious Data (LTE Band 41(PC2) – High Channel – Ant6)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT						Approved by: Technical Manager
Test Report S/N: 1M2411190103-04-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular					Page 164 of 178

## LTE Band 41(PC3)/38 – Ant6



FCC ID: C3K2114	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2411190103-04-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular	Page 165 of 178

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 [dB $\mu$ V/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
100.00	V	-	-	-78.29	-13.67	15.04	-82.37	-25.00	-57.37

Table 7-63. Radiated Spurious Data (LTE Band 41(PC3)/38 – Mid Channel – Ant6)

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 [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5012.00	H	-	-	-80.33	7.62	34.29	-60.97	-25.00	-35.97
7518.00	H	-	-	-81.75	12.93	38.18	-57.08	-25.00	-32.08
10024.00	H	-	-	-81.70	15.33	40.63	-54.63	-25.00	-29.63

Table 7-64. Radiated Spurious Data (LTE Band 41(PC3)/38 – Low Channel – Ant6)

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 [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.00	H	-	-	-80.22	7.25	34.03	-61.22	-25.00	-36.22
7779.00	H	-	-	-81.38	12.94	38.56	-56.69	-25.00	-31.69
10372.00	H	-	-	-83.20	16.26	40.06	-55.20	-25.00	-30.20

Table 7-65. Radiated Spurious Data (LTE Band 41(PC3)/38 – Mid Channel – Ant6)

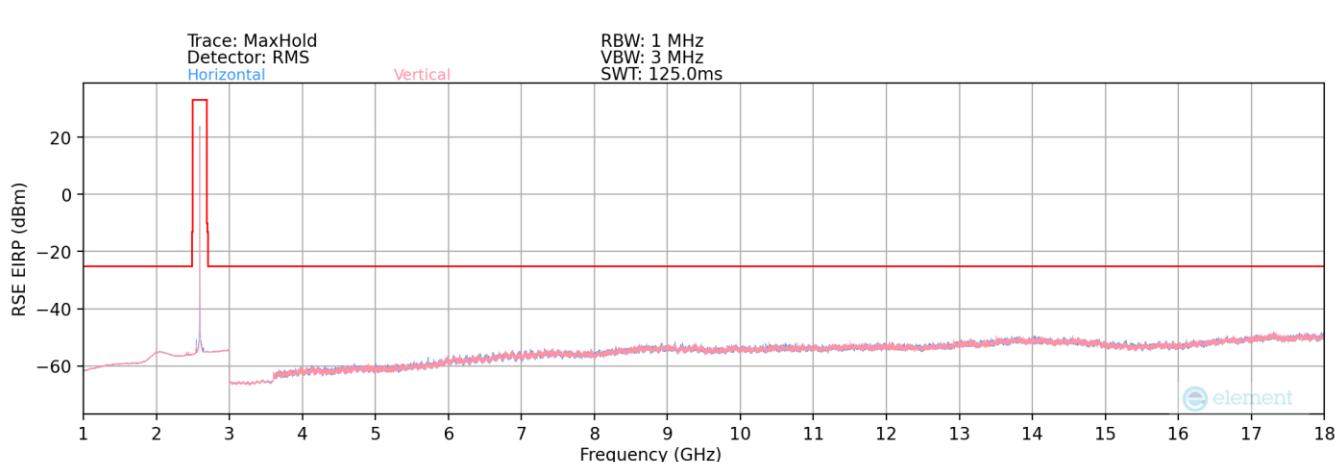
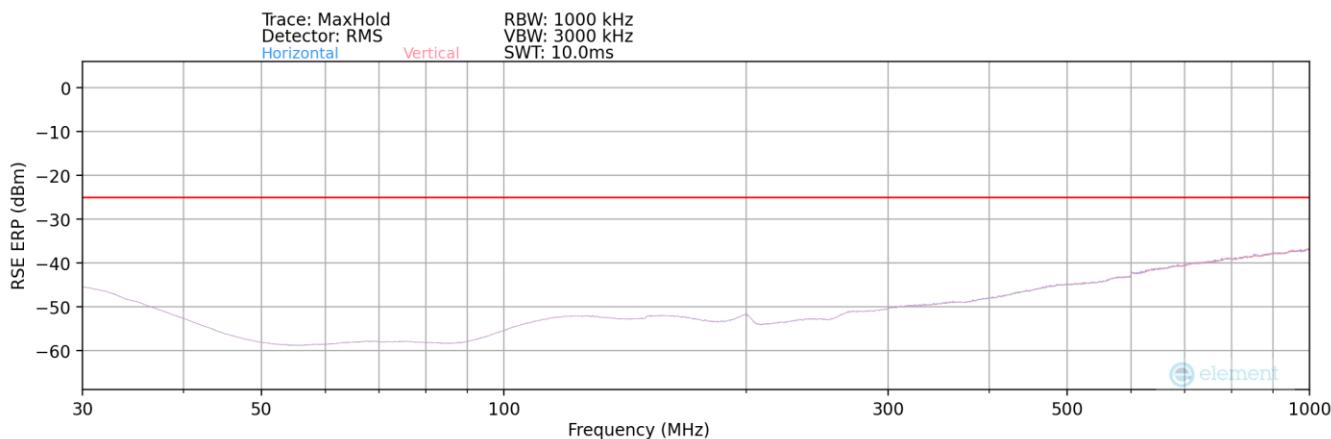
Bandwidth (MHz):	20
Frequency (MHz):	2680.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5360.00	H	-	-	-80.12	8.03	34.91	-60.35	-25.00	-35.35
8040.00	H	-	-	-81.33	13.01	38.68	-56.58	-25.00	-31.58
10720.00	H	-	-	-82.66	17.15	41.49	-53.76	-25.00	-28.76

Table 7-66. Radiated Spurious Data (LTE Band 41(PC3)/38 – High Channel – Ant6)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT						Approved by: Technical Manager
Test Report S/N: 1M2411190103-04-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular					Page 166 of 178

## NR Band n41(PC2) – Ant6



FCC ID: C3K2114	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2411190103-04-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular	Page 167 of 178

Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
300.00	V	-	-	-76.05	21.22	52.17	-45.24	-25.00	-20.24

Table 7-67. Radiated Spurious Data (NR Band n41PC2 – Mid Channel – Ant6)

Bandwidth (MHz):	100
Frequency (MHz):	2546.01
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5092.02	V	-	-	-76.81	3.17	33.36	-61.90	-25.00	-36.90
7638.03	V	-	-	-78.51	9.72	38.21	-57.05	-25.00	-32.05
10184.04	V	-	-	-79.24	12.49	40.25	-55.01	-25.00	-30.01

Table 7-68. Radiated Spurious Data (NR Band n41PC2 – Low Channel – Ant6)

Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5185.98	V	-	-	-77.01	3.36	33.35	-61.90	-25.00	-36.90
7778.97	V	-	-	-77.30	8.63	38.33	-56.93	-25.00	-31.93
10371.96	V	-	-	-79.36	12.21	39.85	-55.40	-25.00	-30.40

Table 7-69. Radiated Spurious Data (NR Band n41PC2 – Mid Channel – Ant6)

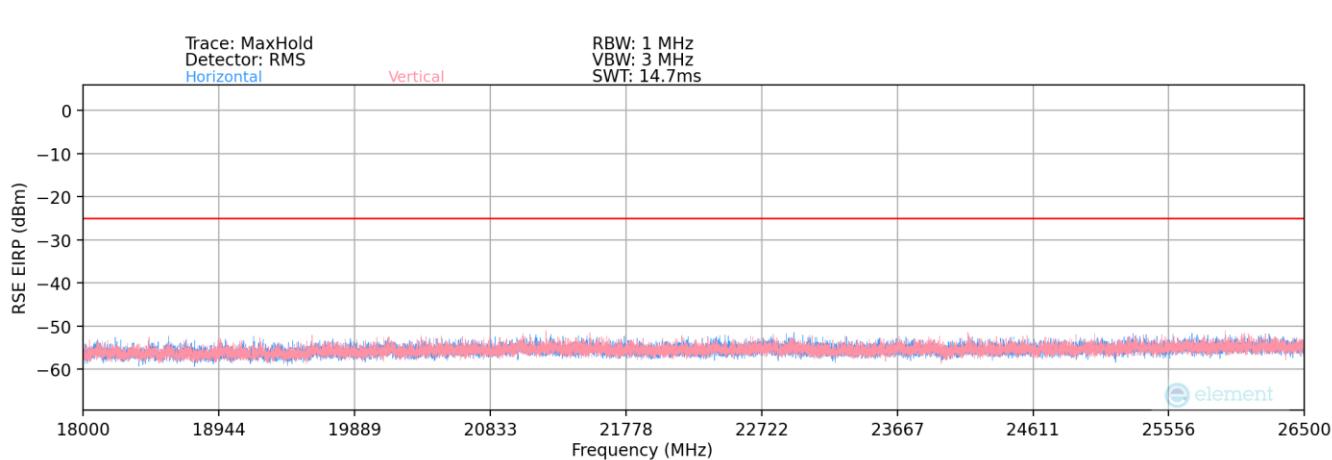
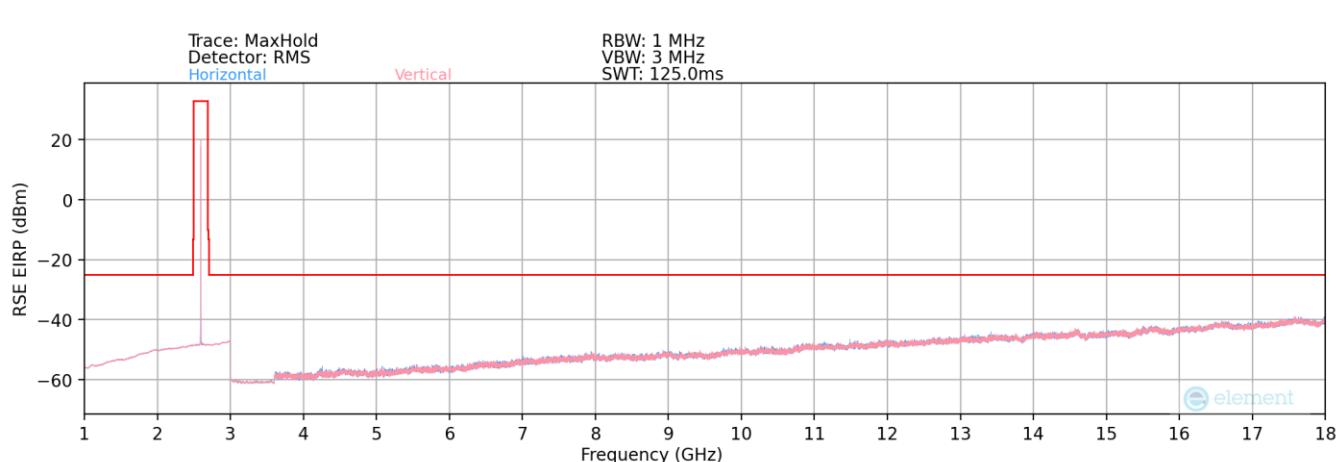
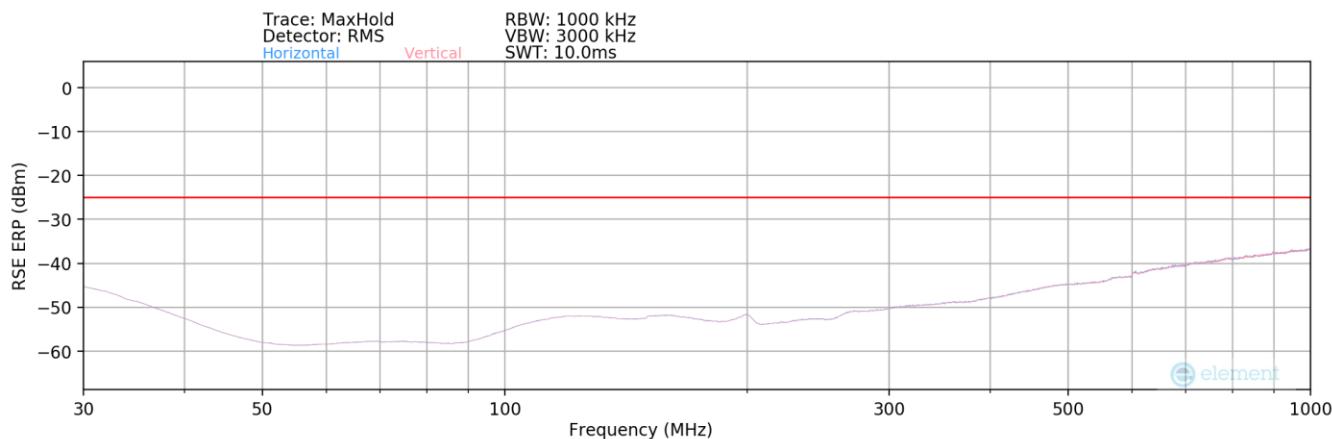
Bandwidth (MHz):	100
Frequency (MHz):	2640.00
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5280.00	V	-	-	-76.80	3.28	33.48	-61.78	-25.00	-36.78
7920.00	V	-	-	-78.42	9.67	38.25	-57.01	-25.00	-32.01
10560.00	V	-	-	-79.56	12.67	40.11	-55.14	-25.00	-30.14

Table 7-70. Radiated Spurious Data (NR Band n41PC2 – High Channel – Ant6)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT						Approved by: Technical Manager
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## NR Band n41(PC3) – Ant6



FCC ID: C3K2114	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2411190103-04-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular	Page 169 of 178

Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
302.00	V	-	-	-86.17	21.23	42.06	-55.35	-25.00	-30.35

Table 7-71. Radiated Spurious Data (NR Band n41PC3 – Mid Channel – Ant6)

Bandwidth (MHz):	100
Frequency (MHz):	2546.01
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5092.02	V	-	-	-78.31	7.57	36.26	-58.99	-25.00	-33.99
7638.03	V	-	-	-79.03	12.62	40.59	-54.66	-25.00	-29.66
10184.04	V	-	-	-80.15	15.76	42.61	-52.65	-25.00	-27.65

Table 7-72. Radiated Spurious Data (NR Band n41PC3 – Low Channel – Ant6)

Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5185.98	V	-	-	-77.97	7.25	36.28	-58.97	-25.00	-33.97
7778.97	V	-	-	-79.00	12.94	40.94	-54.31	-25.00	-29.31
10371.96	V	-	-	-81.09	16.26	42.17	-53.09	-25.00	-28.09

Table 7-73. Radiated Spurious Data (NR Band n41PC3 – Mid Channel – Ant6)

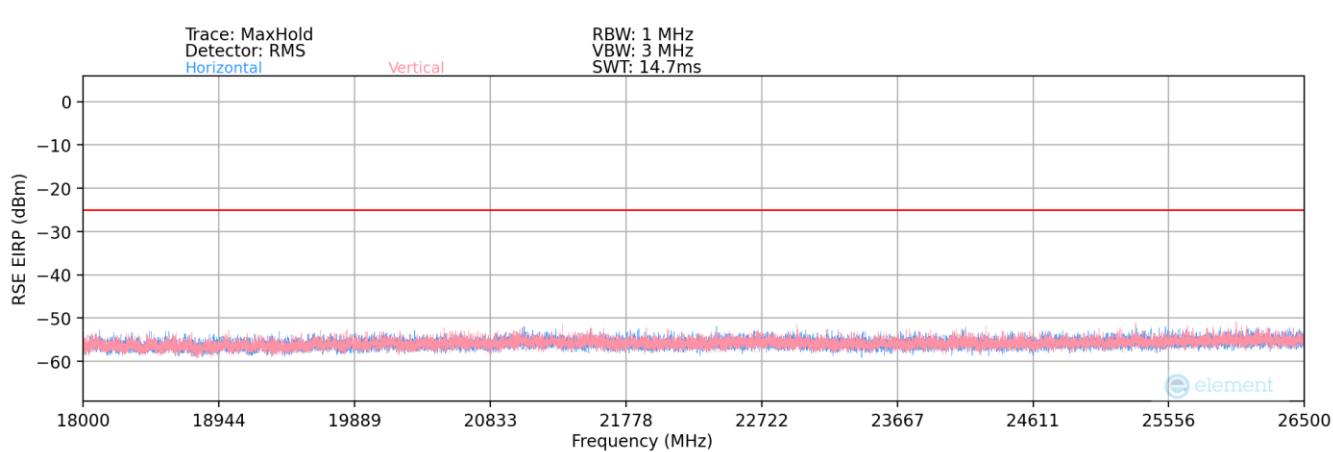
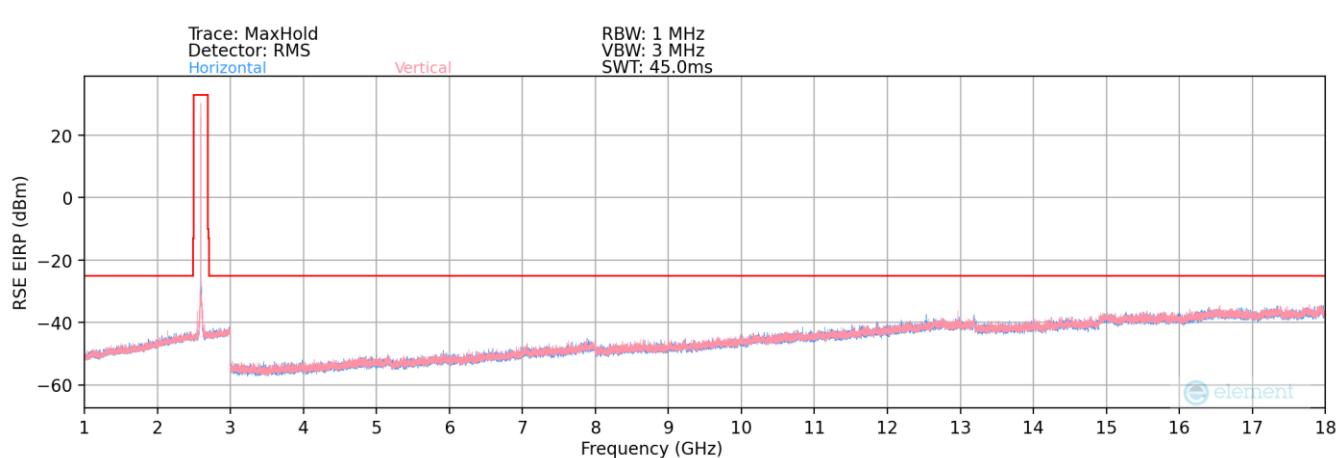
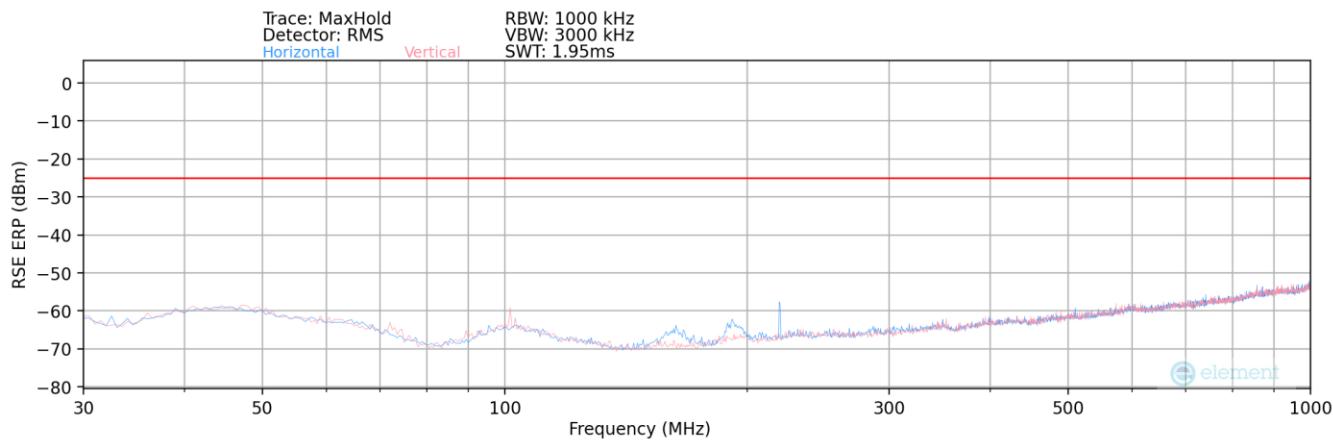
Bandwidth (MHz):	100
Frequency (MHz):	2640.00
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5280.00	V	-	-	-78.01	7.18	36.17	-59.09	-25.00	-34.09
7920.00	V	-	-	-79.70	14.02	41.32	-53.94	-25.00	-28.94
10560.00	V	-	-	-81.03	16.39	42.36	-52.90	-25.00	-27.90

Table 7-74. Radiated Spurious Data (NR Band n41PC3 – High Channel – Ant6)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT						Approved by: Technical Manager
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## NR Band n41(PC1.5) – UL MIMO Ant1 + Ant6



FCC ID: C3K2114	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136
Mode:	UL MIMO

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
101.00	V	-	-	-63.93	-13.52	29.55	-67.86	-25.00	-42.86
205.00	H	-	-	-64.33	-13.96	28.71	-68.70	-25.00	-43.70

Table 7-75. Radiated Spurious Data (NR Band n41PC1.5 – Mid Channel – Ant1 + Ant6)

Bandwidth (MHz):	100
Frequency (MHz):	2546.01
RB / Offset:	1 / 136
Mode:	UL MIMO

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5092.02	H	112	312	-65.40	10.08	51.68	-43.58	-25.00	-18.58
7638.03	H	400	221	-72.47	15.73	50.26	-44.99	-25.00	-19.99
10184.04	H	-	-	-75.22	19.61	51.39	-43.87	-25.00	-18.87
12730.05	H	-	-	-74.69	23.23	55.54	-39.72	-25.00	-14.72
15276.06	H	-	-	-75.73	27.23	58.50	-36.75	-25.00	-11.75

Table 7-76. Radiated Spurious Data (NR Band n41PC1.5 – Low Channel – Ant1 + Ant6)

Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136
Mode:	UL MIMO

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5185.98	H	-	-	-72.85	10.41	44.56	-50.70	-25.00	-25.70
7778.97	H	-	-	-73.28	15.52	49.24	-46.02	-25.00	-21.02
10371.96	H	-	-	-72.40	19.43	54.03	-41.23	-25.00	-16.23

Table 7-77. Radiated Spurious Data (NR Band n41PC1.5 – Mid Channel – Ant1 + Ant6)

Bandwidth (MHz):	100
Frequency (MHz):	2640.00
RB / Offset:	1 / 136
Mode:	UL MIMO

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5280.00	H	129	260	-72.78	10.33	44.55	-50.71	-25.00	-25.71
7920.00	H	-	-	-73.05	15.61	49.56	-45.70	-25.00	-20.70
10560.00	H	-	-	-75.15	19.74	51.59	-43.67	-25.00	-18.67
13200.00	H	-	-	-74.11	24.06	56.95	-38.30	-25.00	-13.30

Table 7-78. Radiated Spurious Data (NR Band n41PC1.5 – High Channel – Ant1 + Ant6)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT							Approved by: Technical Manager
Test Report S/N: 1M2411190103-04-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular						Page 172 of 178

## 7.7 Frequency Stability / Temperature Variation

### Test Overview and Limit

Frequency stability testing is performed in accordance with the guidelines of ANSI C63.26-2015. 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 – Section 5.6

### 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

The EUT was connected via an RF cable to a spectrum analyzer with the EUT placed inside an environmental chamber.

### Test Notes

None

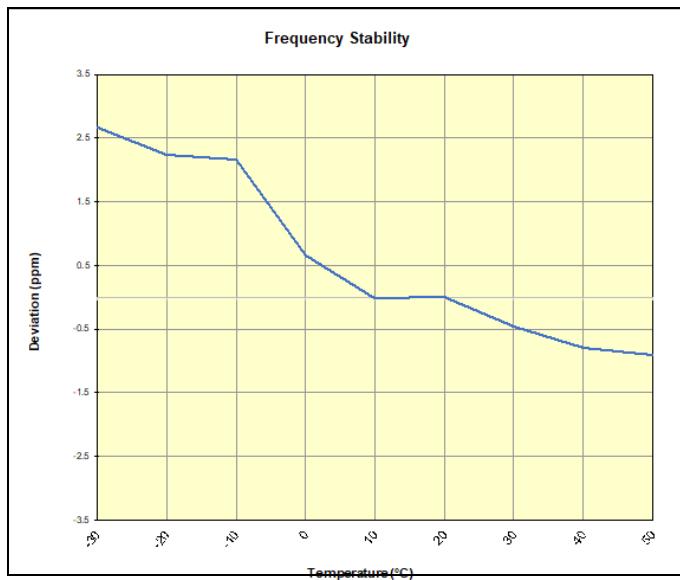
FCC ID: C3K2114	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2411190103-04-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular	Page 173 of 178

## LTE Band 30

Operating Frequency (Hz):	2,310,000,000
Ref. Voltage (VDC):	3.85

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.85	- 30	2,309,979,523	6,162	0.0002668
		- 20	2,309,978,523	5,163	0.0002235
		- 10	2,309,978,365	5,004	0.0002166
		0	2,309,974,888	1,527	0.0000661
		+ 10	2,309,973,309	-51	-0.0000022
		+ 20 (Ref)	2,309,973,361	0	0.0000000
		+ 30	2,309,972,314	-1,047	-0.0000453
		+ 40	2,309,971,529	-1,832	-0.0000793
		+ 50	2,309,971,286	-2,075	-0.0000898
		Battery Endpoint	2,309,972,149	-1,212	-0.0000525

Table 7-79. LTE Band 30 Frequency Stability Data



Plot 7-225. LTE Band 30 Frequency Stability Chart

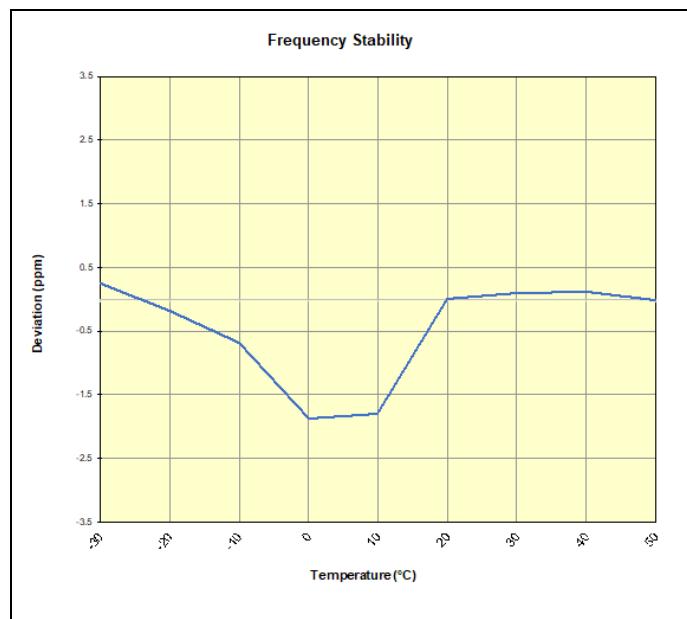
FCC ID: C3K2114	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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## LTE Band 41/38

Operating Frequency (Hz):	2,593,000,000
Ref. Voltage (VDC):	3.85

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.85	- 30	2,592,968,851	631	0.0000243
		- 20	2,592,967,749	-471	-0.0000182
		- 10	2,592,966,460	-1,760	-0.0000679
		0	2,592,963,344	-4,876	-0.0001881
		+ 10	2,592,963,570	-4,650	-0.0001793
		+ 20 (Ref)	2,592,968,220	0	0.0000000
		+ 30	2,592,968,472	252	0.0000097
		+ 40	2,592,968,504	284	0.0000110
		+ 50	2,592,968,168	-52	-0.0000020
Battery Endpoint	2.80	+ 20	2,592,968,348	128	0.0000049

Table 7-80. LTE Band 41(PC2) Frequency Stability Data



Plot 7-226. LTE Band 41(PC2) Frequency Stability Chart

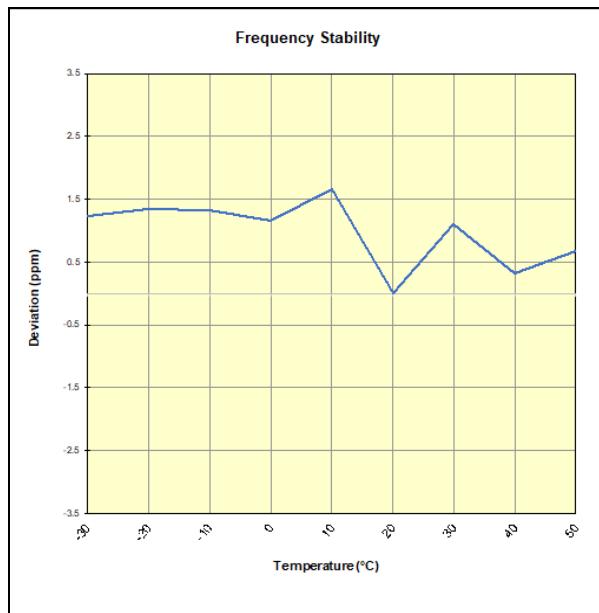
FCC ID: C3K2114	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2411190103-04-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular		Page 175 of 178

## NR Band n30

Operating Frequency (Hz):	2,310,000,000
Ref. Voltage (VDC):	3.85

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.85	- 30	2,309,991,644	2,827	0.0001224
		- 20	2,309,991,934	3,118	0.0001350
		- 10	2,309,991,857	3,040	0.0001316
		0	2,309,991,476	2,660	0.0001152
		+ 10	2,309,992,668	3,852	0.0001667
		+ 20 (Ref)	2,309,988,816	0	0.0000000
		+ 30	2,309,991,370	2,553	0.0001105
		+ 40	2,309,989,562	746	0.0000323
		+ 50	2,309,990,378	1,562	0.0000676
Battery Endpoint	2.80	+ 20	2,309,988,365	-451	-0.0000195

Table 7-81. NR Band n30 Frequency Stability Data



Plot 7-227. NR Band n30 Frequency Stability Chart

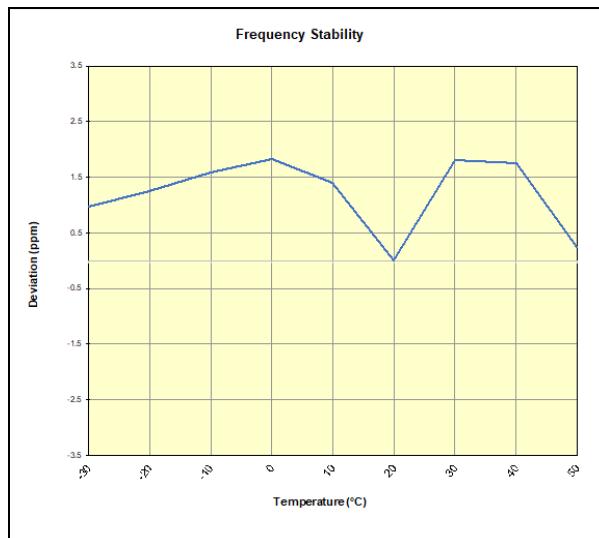
FCC ID: C3K2114	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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## NR Band n41

Operating Frequency (Hz):	2,593,000,000
Ref. Voltage (VDC):	3.85

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.85	- 30	2,593,162,688	2,542	0.0000980
		- 20	2,593,163,374	3,228	0.0001245
		- 10	2,593,164,252	4,105	0.0001583
		0	2,593,164,885	4,738	0.0001827
		+ 10	2,593,163,795	3,649	0.0001407
		+ 20 (Ref)	2,593,160,146	0	0.0000000
		+ 30	2,593,164,852	4,705	0.0001814
		+ 40	2,593,164,686	4,540	0.0001751
		+ 50	2,593,160,783	637	0.0000246
Battery Endpoint	2.80	+ 20	2,593,163,149	3,002	0.0001158

Table 7-82. NR Band n41 Frequency Stability Data



Plot 7-228. NR Band n41 Frequency Stability Chart

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## 8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Microsoft Corporation Full Modular FCC ID: C3K2114** complies with all the requirements of Part 27 of the FCC rules.

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Test Report S/N: 1M2411190103-04-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular	Page 178 of 178