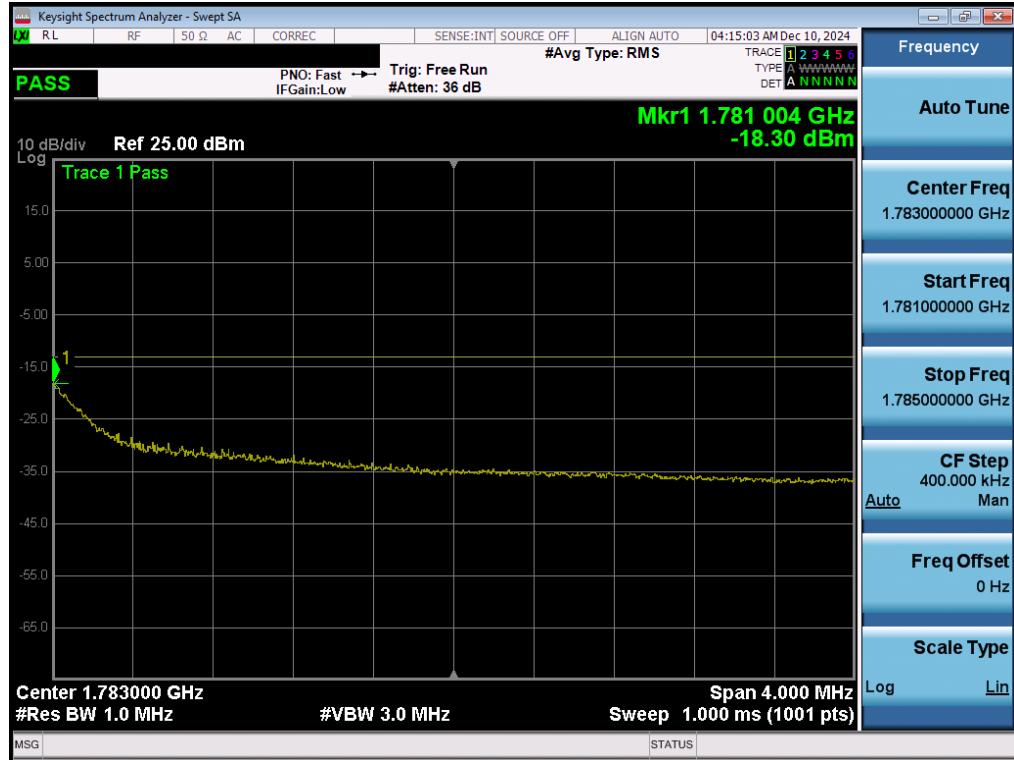


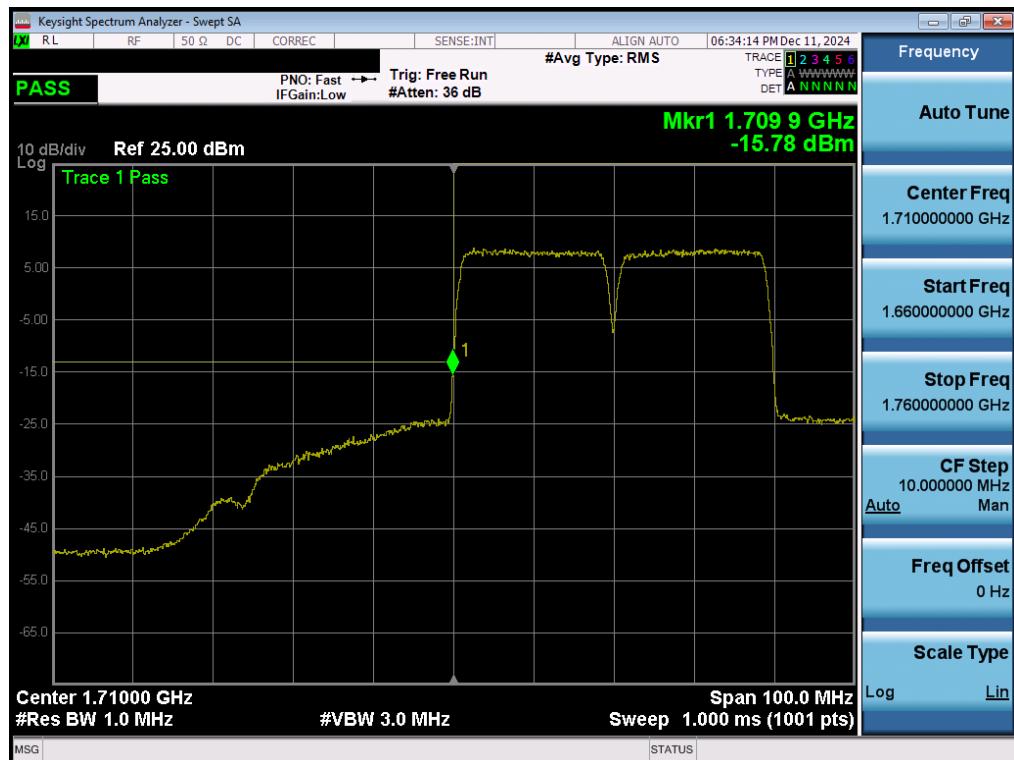
Plot 7-208. Upper Band Edge Plot (NR Band n66 – 10.0MHz - Full RB - Ant 1)



Plot 7-209. Upper Extended Band Edge Plot (NR Band n66 – 10.0MHz - Full RB - Ant 1)

PART 27 MEASUREMENT REPORT		Approved by: Technical Manager	
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Uplink CA LTE Band 66B/C – Ant 1

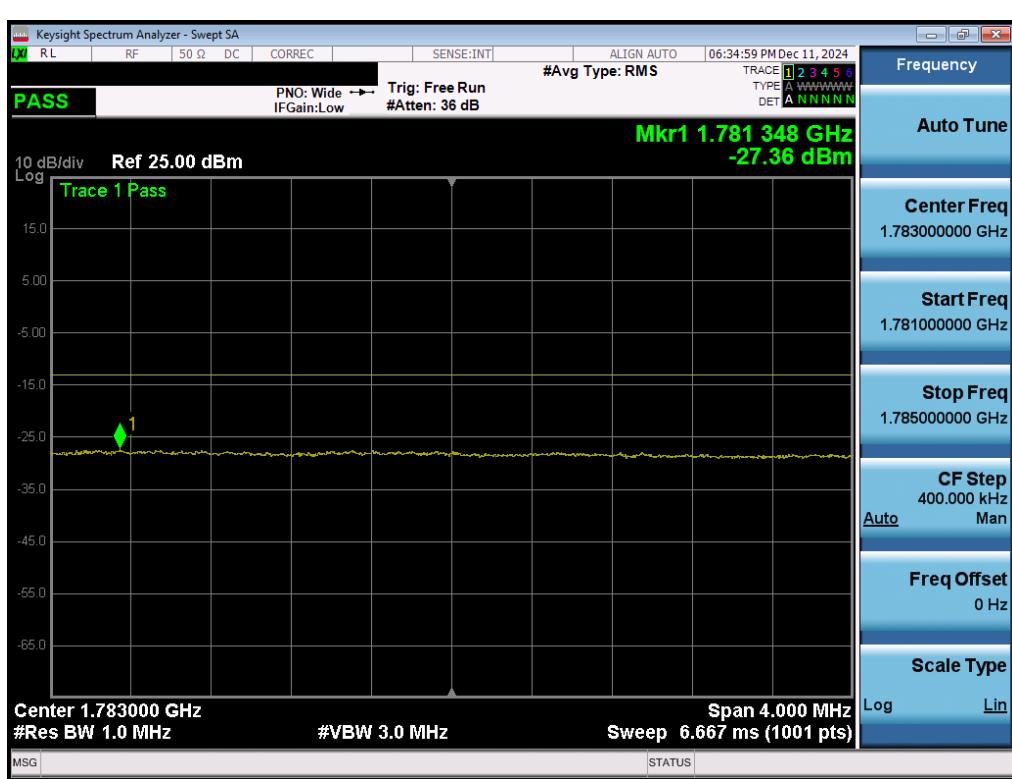


Plot 7-210. Lower Band Edge Plot (ULCA LTE Band 66 - 20+20MHz - Full RB - Ant 1)



Plot 7-211. Lower Extended Band Edge Plot (ULCA LTE Band 66 - 20+20MHz - Full RB - Ant 1)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2411190103-03-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular		Page 150 of 205



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Test Report S/N: 1M2411190103-03-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular	Page 151 of 205

7.6 Peak-Average Ratio

Test Overview

A peak to average ratio measurement is performed at the conducted port of the EUT. The spectrum analyzers Complementary Cumulative Distribution Function (CCDF) measurement profile is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth. The CCDF curve shows how much time the peak waveform spends at or above a given average power level. The percent of time the signal spends at or above the level defines the probability for that particular power level.

Test Procedure Used

ANSI C63.26-2015 – Section 5.2.3.4

Test Settings

1. The signal analyzer's CCDF measurement profile is enabled
2. Frequency = carrier center frequency
3. Measurement BW \geq OBW or specified reference bandwidth
4. The signal analyzer was set to collect one million samples to generate the CCDF curve
5. The measurement interval was set depending on the type of signal analyzed. For continuous signals (>98% duty cycle), the measurement interval was set to 1ms. For burst transmissions, the spectrum analyzer is set to use an internal “RF Burst” trigger that is synced with an incoming pulse and the measurement interval is set to less than the duration of the “on time” of one burst to ensure that energy is only captured during a time in which the transmitter is operating at maximum power

Test Setup

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

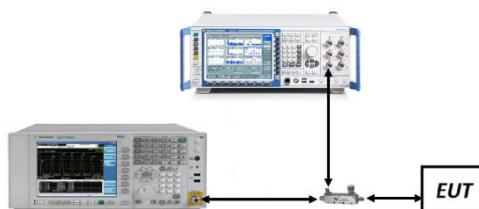


Figure 7-5. Test Instrument & Measurement Setup

Test Notes

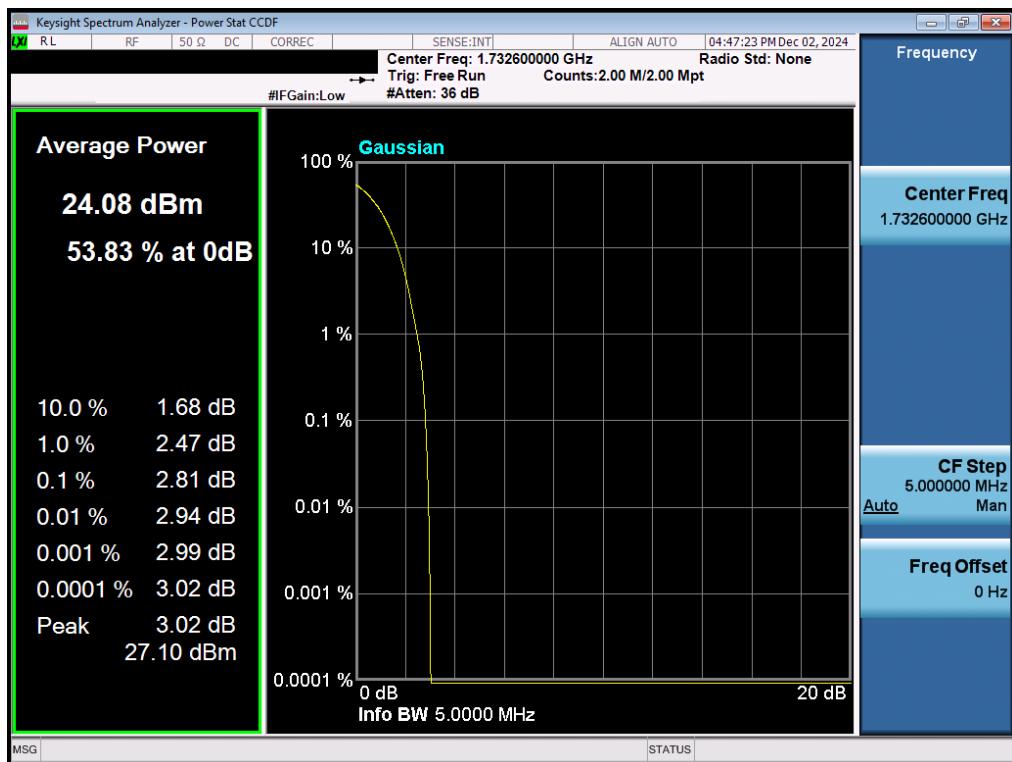
For the QAM modulations, 256QAM was found to have the worst-case peak-to-average ratio so it is the only QAM measurement included in this section.

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Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
WCDMA-AWS	5MHz	GMSK	24.08	2.81	13	-10.19
	20MHz	QPSK	23.18	4.94	13	-8.06
		256QAM	19.17	6.98	13	-6.02
	15MHz	QPSK	23.15	4.90	13	-8.10
		256QAM	19.15	6.65	13	-6.35
	10MHz	QPSK	23.27	5.05	13	-7.95
		256QAM	19.32	6.78	13	-6.22
	5MHz	QPSK	23.33	4.90	13	-8.10
		256QAM	19.38	6.88	13	-6.12
	3MHz	QPSK	23.31	4.74	13	-8.26
		256QAM	19.40	7.09	13	-5.91
LTE-B66-4	1.4MHz	QPSK	23.28	5.08	13	-7.92
		256QAM	19.37	7.11	13	-5.89
		$\pi/2$ BPSK	23.82	4.01	13	-8.99
	40MHz	QPSK	21.40	6.52	13	-6.48
		256QAM	17.84	8.33	13	-4.67
		$\pi/2$ BPSK	23.43	3.94	13	-9.06
	30MHz	QPSK	20.69	6.55	13	-6.45
		256QAM	17.20	8.37	13	-4.63
		$\pi/2$ BPSK	23.25	4.00	13	-9.00
NR-n66	25MHz	QPSK	20.75	6.73	13	-6.27
		256QAM	17.21	8.51	13	-4.49
		$\pi/2$ BPSK	23.28	3.79	13	-9.21
	20MHz	QPSK	20.71	6.48	13	-6.52
		256QAM	17.15	8.45	13	-4.55
		$\pi/2$ BPSK	23.31	3.90	13	-9.10
	15MHz	QPSK	20.61	6.56	13	-6.44
		256QAM	17.05	8.48	13	-4.52
		$\pi/2$ BPSK	23.89	3.92	13	-9.08
	10MHz	QPSK	21.36	6.67	13	-6.33
		256QAM	17.80	8.57	13	-4.43
		$\pi/2$ BPSK	23.26	3.82	13	-9.18
	5MHz	QPSK	20.72	6.62	13	-6.38
		256QAM	17.16	8.45	13	-4.55

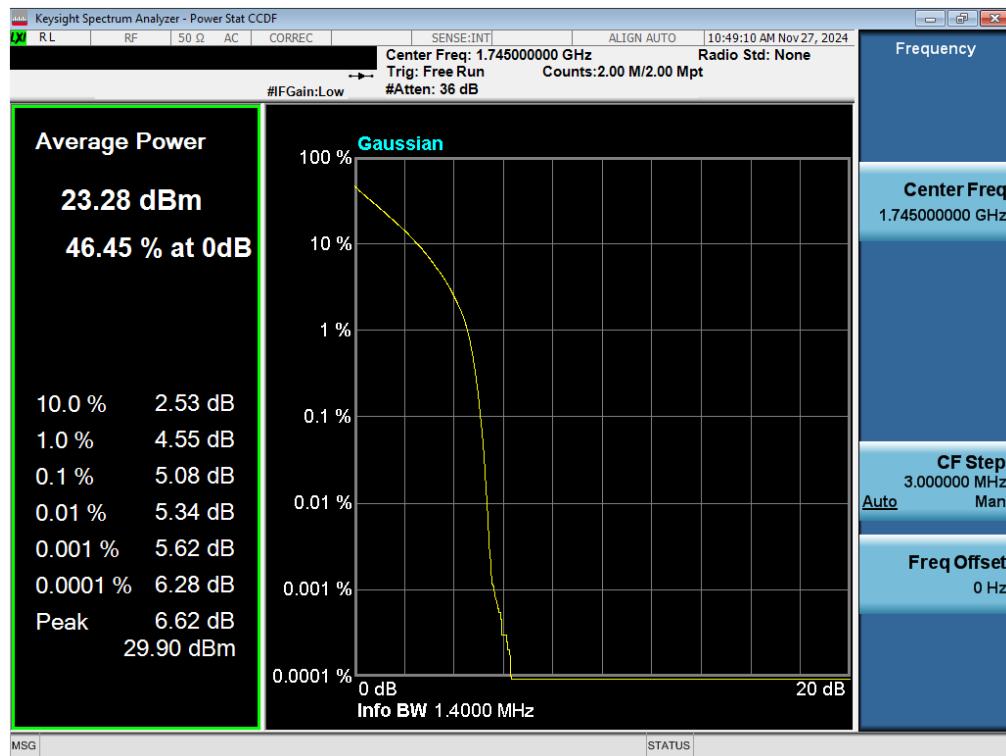
Table 7-32. Peak-Average Ratio Edge Test Results – Ant 1

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT				Approved by: Technical Manager
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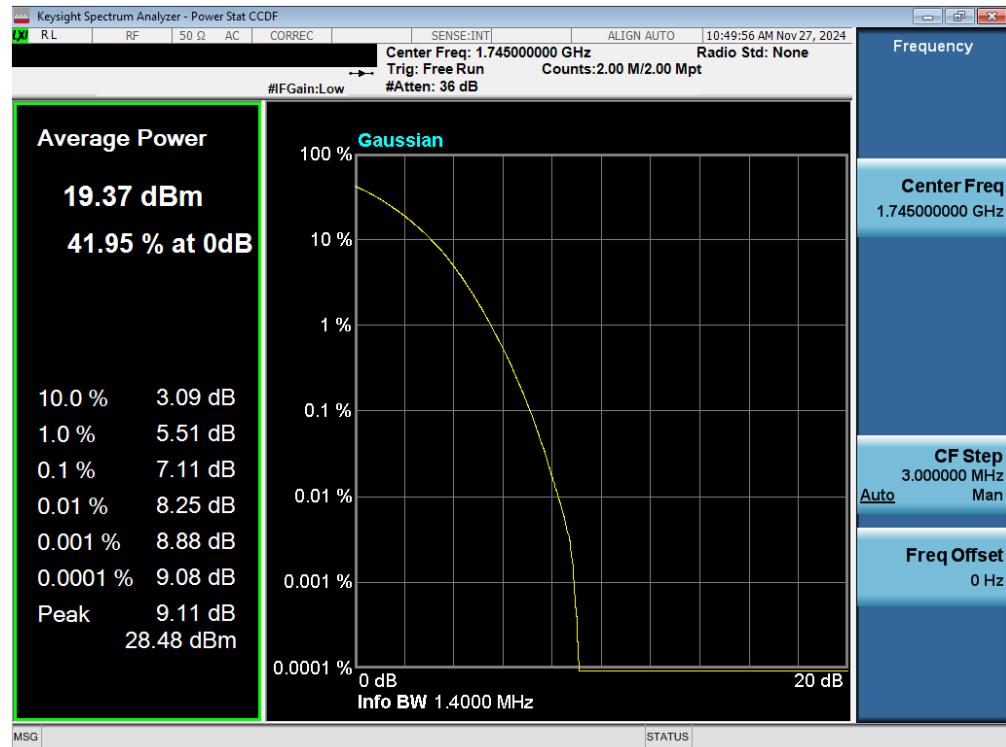
WCDMA AWS – Ant 1

Plot 7-214. PAR Plot (WCDMA, Ch. 1413 – Ant 1)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 66/4 – Ant 1

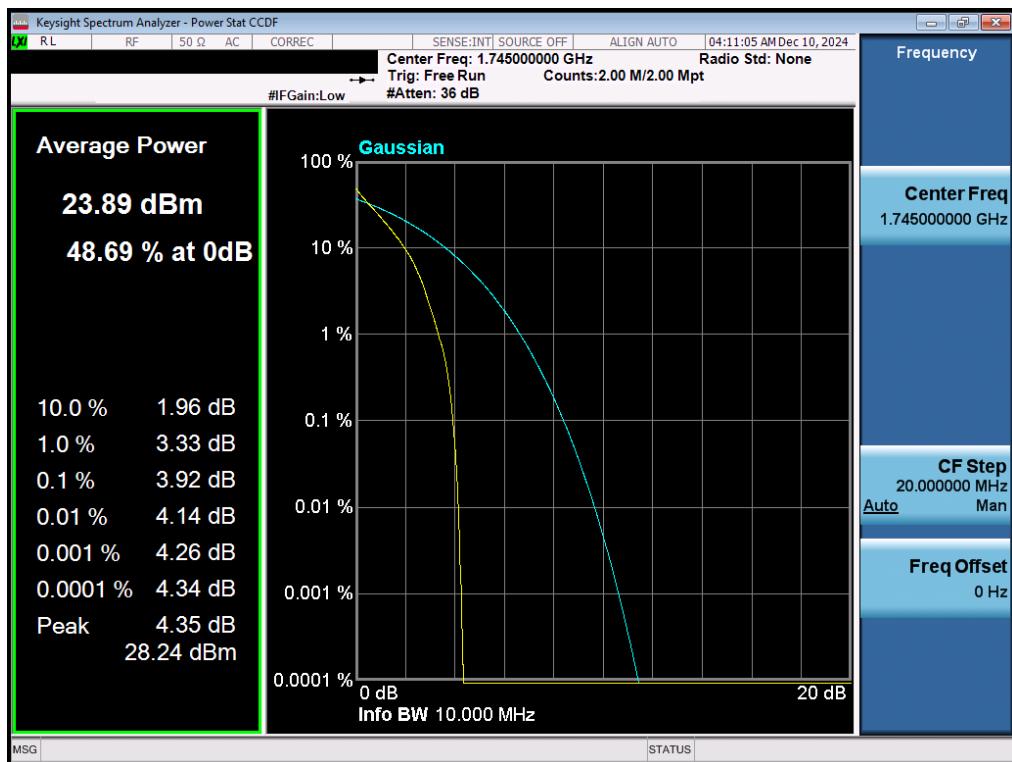
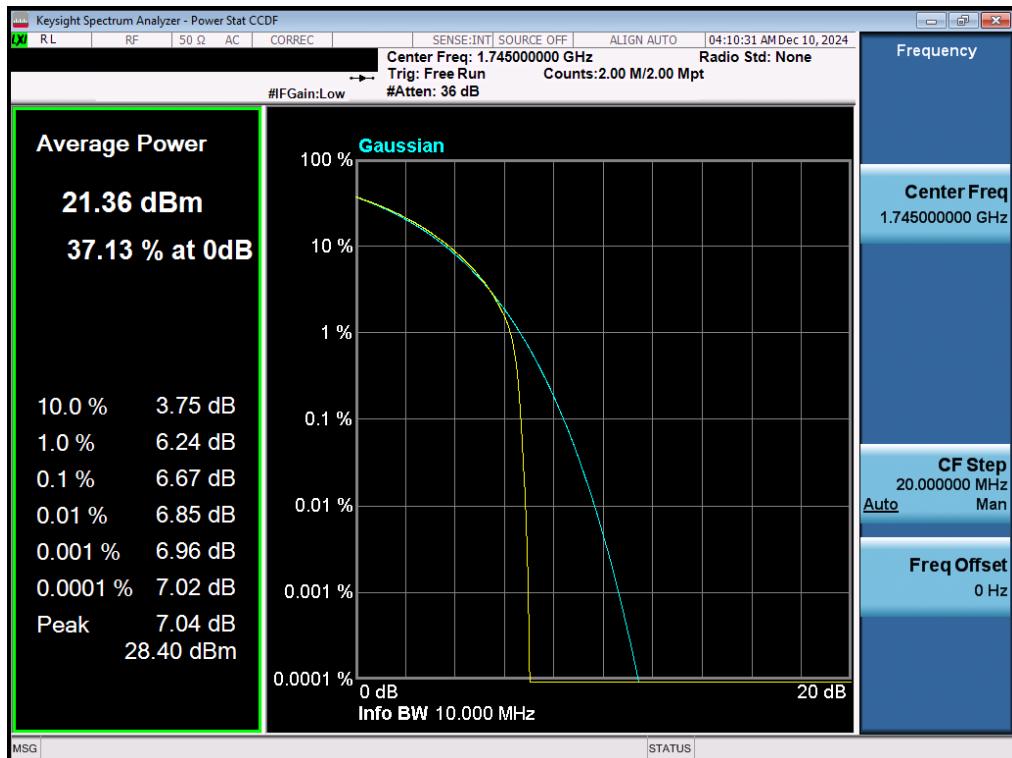


Plot 7-215. PAR Plot (LTE Band 66/4 - 1.4MHz QPSK - Full RB - Ant 1)

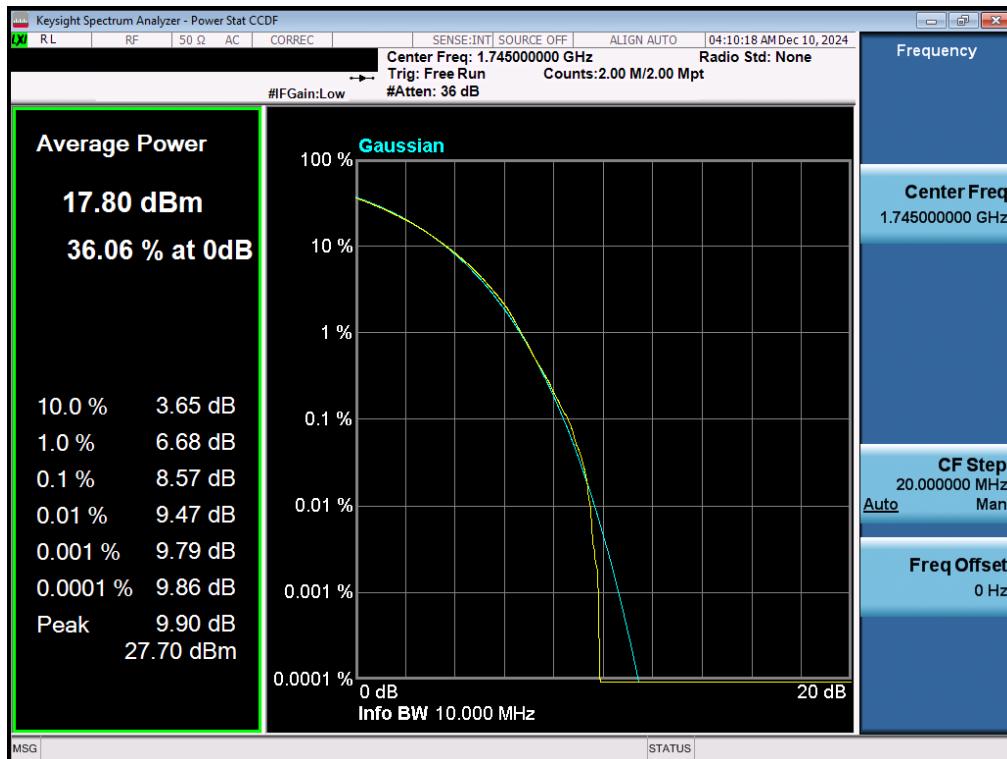


Plot 7-216. PAR Plot (LTE Band 66/4 - 1.4MHz 256-QAM - Full RB - Ant 1)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n66 – Ant 1

Plot 7-217. PAR Plot (NR Band n66 - 10.0MHz DFT-s-OFDM BPSK - Full RB - Ant 1)

Plot 7-218. PAR Plot (NR Band n66 - 10.0MHz CP-OFDM QPSK - Full RB - Ant 1)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-219. PAR Plot (NR Band n66 - 10.0MHz CP-OFDM 256-QAM - Full RB - Ant 1)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.7 Radiated Spurious Emissions Measurements

Test Overview

Radiated spurious emissions measurements are performed using the field strength conversion method described in ANSI C63.26-2015 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using hybrid (biconical/log) antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as RMS measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

Test Procedures Used

ANSI C63.26-2015 – Section 5.5.4

Test Settings

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

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Test Setup

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

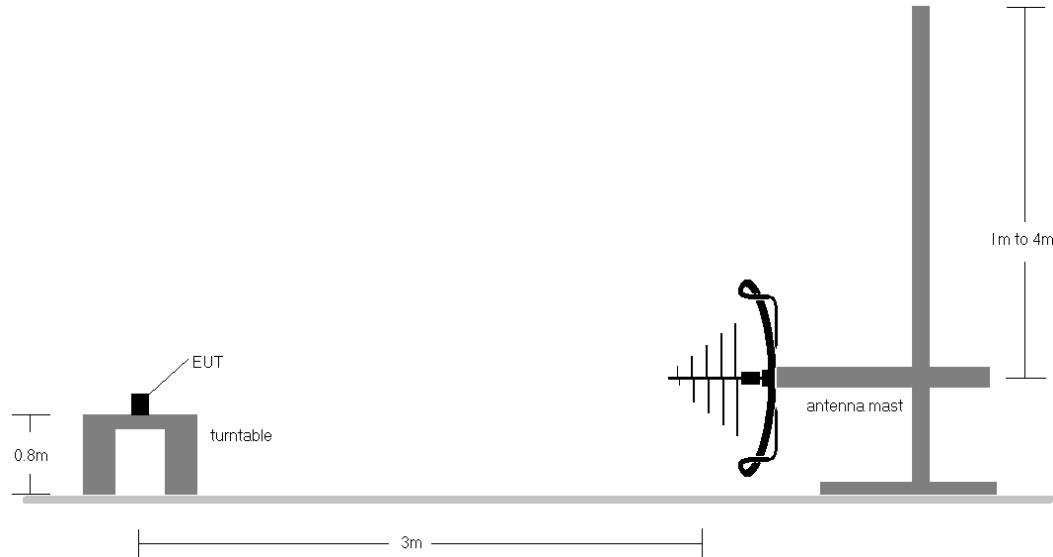


Figure 7-6. Test Instrument & Measurement Setup < 1GHz

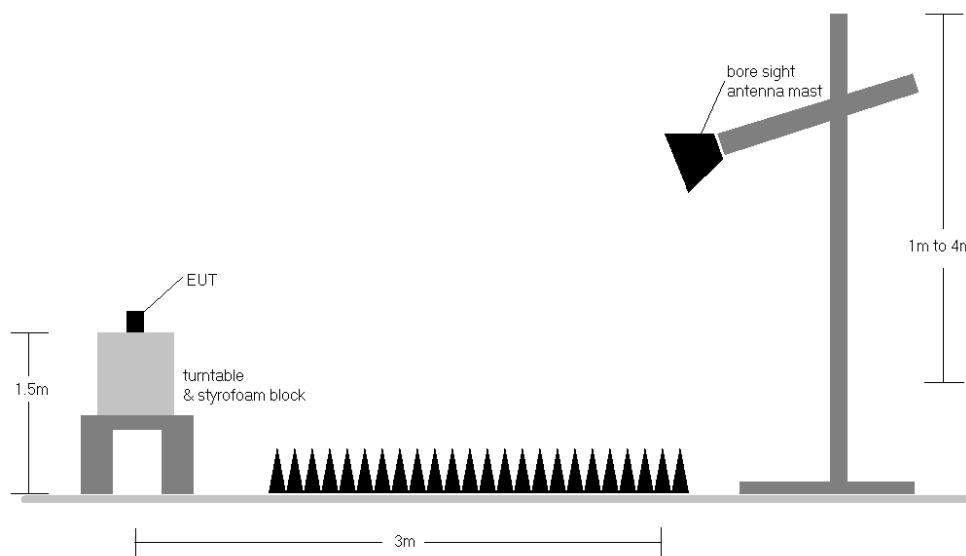


Figure 7-7. Test Instrument & Measurement Setup > 1GHz

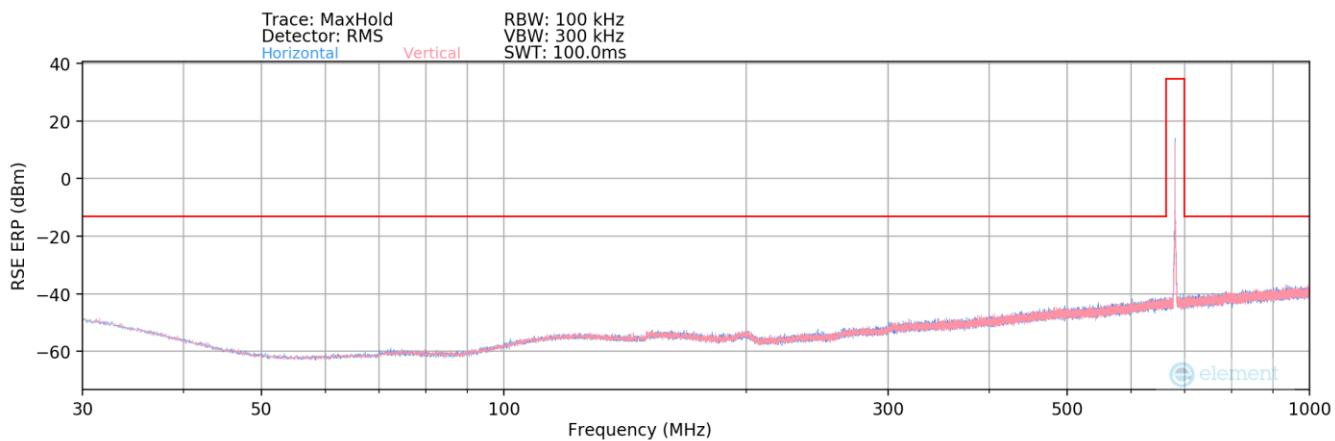
FCC ID: C3K2114	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Test Notes

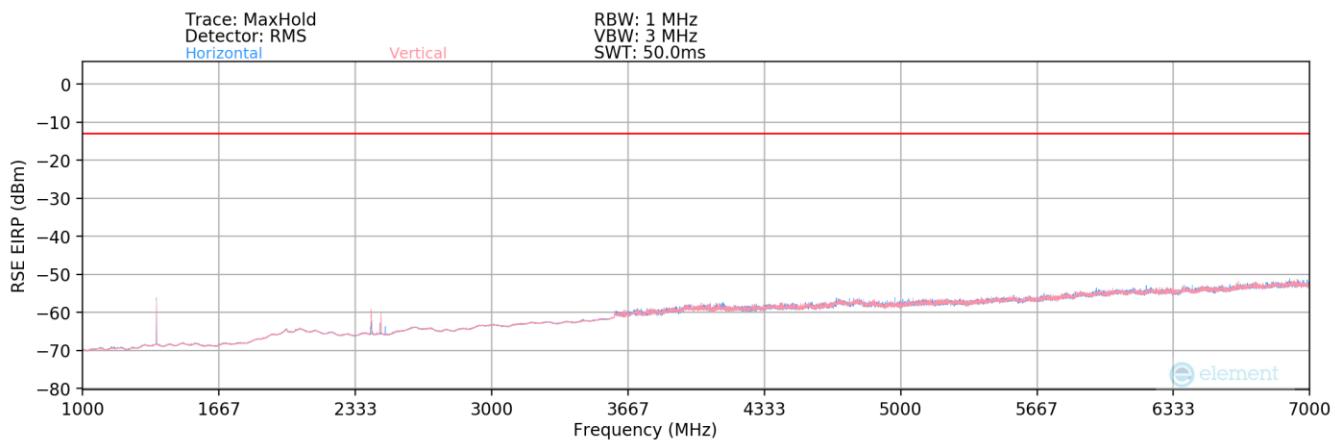
- 1) Field strengths are calculated using the Measurement quantity conversions in ANSI C63.26-2015 Section 5.2.7:
 - a) $E(\text{dB}\mu\text{V}/\text{m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b) $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V}/\text{m}) + 20\log D - 104.8$; where D is the measurement distance in meters.
- 2) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- 3) This unit was tested using a power supply.
- 4) The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
- 5) Emissions below 18GHz were measured at a 3 meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
- 6) The "-" shown in the following RSE tables are used to denote a noise floor measurement.
- 7) ULCA spurious emissions measurements were evaluated for the two contiguous channels using various combinations of RB size, RB offset, modulation, and channel bandwidth. Channel bandwidth data is shown in the tables below based only on the channel bandwidths that were supported in this device.
- 8) For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.
- 9) Spurious emission in EN-DC Operating mode with Sub 6GHz NR carrier as well as an LTE carrier (anchor) has been checked and was found to not to be the worst case. Spurious emissions from the NR carrier device are subject to the rules under which the NR carrier operates. Spurious emissions caused by the LTE carrier must meet the requirements of the rules under which the LTE carrier operates.

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LTE Band 71 – Ant 2



Plot 7-220. Radiated Spurious Plot Below 1GHz (LTE Band 71 – Ant 2)



Plot 7-221. Radiated Spurious Plot Above 1GHz (LTE Band 71 – Ant 2)

Bandwidth (MHz):	20
Frequency (MHz):	680.5
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 μ V/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
226.00	H	-	-	-98.65	18.30	26.65	-70.75	-13.00	-57.75

Table 7-33. Radiated Spurious Data (LTE Band 71 – Mid Channel – Ant 2)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
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Bandwidth (MHz):	20
Frequency (MHz):	673
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 μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1346.00	H	169	257	-55.03	-6.97	45.00	-50.26	-13.00	-37.26
2019.00	H	-	-	-76.56	-3.20	27.24	-68.02	-13.00	-55.02
2692.00	H	-	-	-76.89	-2.59	27.52	-67.73	-13.00	-54.73
3365.00	H	-	-	-77.20	-1.02	28.78	-66.48	-13.00	-53.48

Table 7-34. Radiated Spurious Data (LTE Band 71 – Low Channel – Ant 2)

Bandwidth (MHz):	20
Frequency (MHz):	680.5
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 μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1361.00	H	153	56	-58.56	-7.03	41.41	-53.85	-13.00	-40.85
2041.50	H	123	223	-75.55	-2.77	28.68	-66.58	-13.00	-53.58
2722.00	H	-	-	-76.71	-2.96	27.33	-67.93	-13.00	-54.93
3402.50	H	-	-	-77.40	-1.14	28.46	-66.79	-13.00	-53.79
4083.00	H	-	-	-78.32	1.53	30.21	-65.04	-13.00	-52.04

Table 7-35. Radiated Spurious Data (LTE Band 71 – Mid Channel – Ant 2)

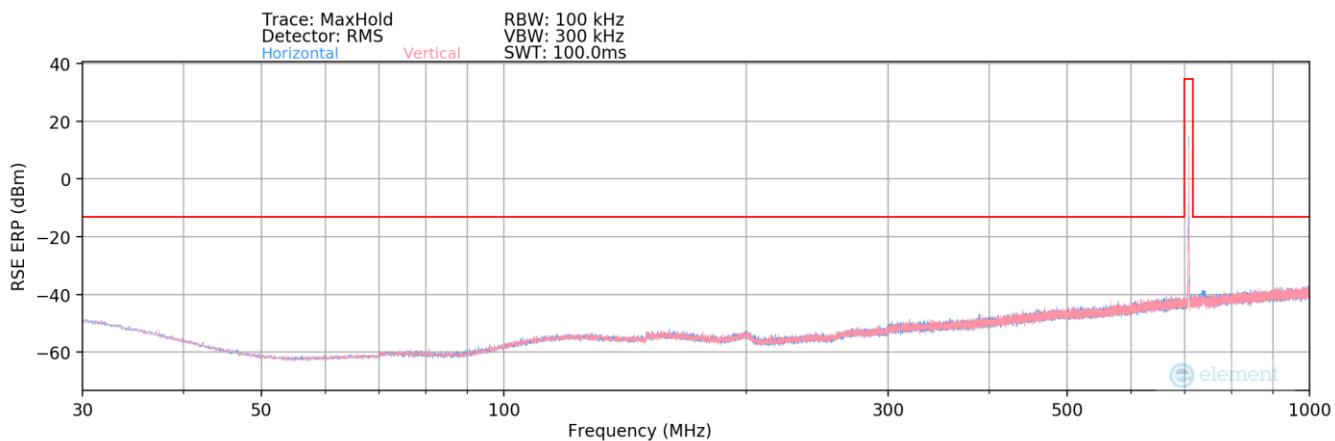
Bandwidth (MHz):	20
Frequency (MHz):	688
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1376.00	H	138	64	-59.17	-7.04	40.79	-54.47	-13.00	-41.47
2064.00	H	147	231	-73.18	-2.76	31.06	-64.20	-13.00	-51.20
2752.00	H	-	-	-77.00	-3.05	26.95	-68.31	-13.00	-55.31
3440.00	H	-	-	-76.99	-0.97	29.04	-66.22	-13.00	-53.22
4128.00	H	-	-	-77.68	1.55	30.87	-64.39	-13.00	-51.39

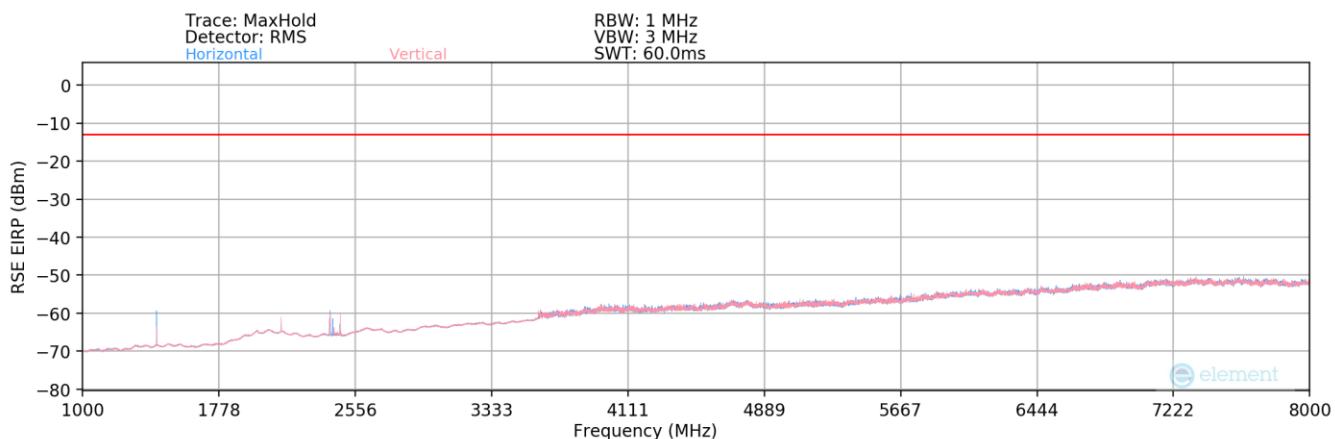
Table 7-36. Radiated Spurious Data (LTE Band 71 – High Channel – Ant 2)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
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LTE Band 12– Ant 2



Plot 7-222. Radiated Spurious Plot Below 1GHz (LTE Band 12– Ant 2)



Plot 7-223. Radiated Spurious Plot Above 1GHz (LTE Band 12– Ant 2)

Bandwidth (MHz):	10
Frequency (MHz):	707.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
355.00	H	-	-	-98.39	22.28	30.89	-66.51	-13.00	-53.51

Table 7-37. Radiated Spurious Data (LTE Band 12– Mid Channel – Ant 2)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
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Bandwidth (MHz):	10
Frequency (MHz):	704
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1408.00	H	140	67	-56.91	-7.04	43.05	-52.21	-13.00	-39.21
2112.00	H	175	224	-73.83	-2.89	30.28	-64.98	-13.00	-51.98
2816.00	H	-	-	-77.77	-3.05	26.18	-69.07	-13.00	-56.07
3520.00	H	-	-	-77.80	-0.36	28.84	-66.42	-13.00	-53.42
4224.00	H	-	-	-78.07	1.50	30.43	-64.83	-13.00	-51.83

Table 7-38. Radiated Spurious Data (LTE Band 12– Low Channel – Ant 2)

Bandwidth (MHz):	10
Frequency (MHz):	707.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1415.00	H	138	49	-65.89	-7.01	34.10	-61.16	-13.00	-48.16
2122.50	H	317	145	-75.79	-2.94	28.27	-66.99	-13.00	-53.99
2830.00	H	-	-	-77.35	-2.81	26.84	-68.42	-13.00	-55.42
3537.50	H	-	-	-77.53	-0.25	29.22	-66.03	-13.00	-53.03
4245.00	H	-	-	-78.38	1.57	30.19	-65.07	-13.00	-52.07

Table 7-39. Radiated Spurious Data (LTE Band 12– Mid Channel – Ant 2)

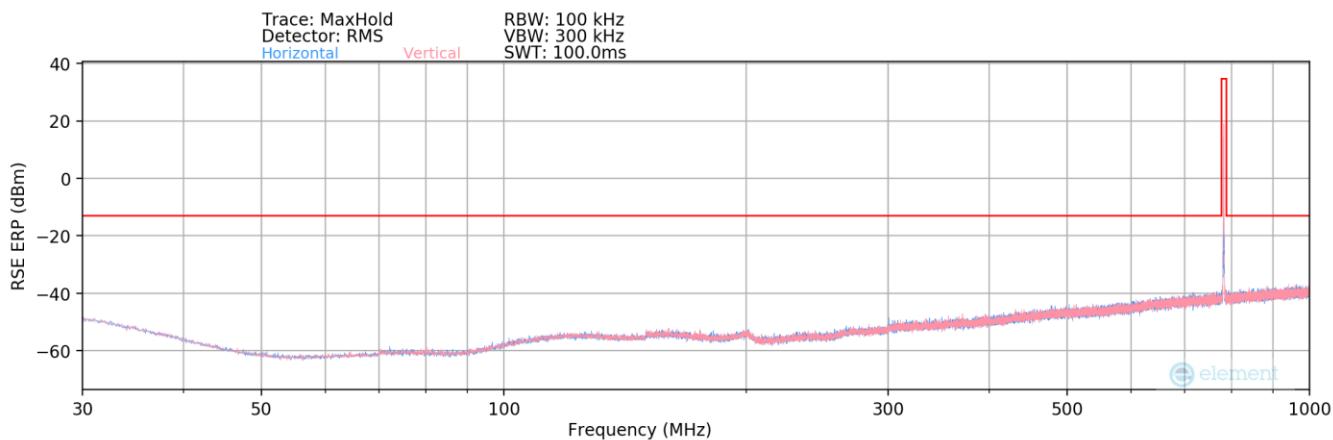
Bandwidth (MHz):	10
Frequency (MHz):	711
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1422.00	H	135	240	-64.22	-6.99	35.79	-59.47	-13.00	-46.47
2133.00	H	163	225	-69.66	-3.00	34.34	-60.92	-13.00	-47.92
2844.00	H	-	-	-77.31	-2.71	26.98	-68.28	-13.00	-55.28
3555.00	H	-	-	-77.90	-0.15	28.95	-66.31	-13.00	-53.31
4266.00	H	-	-	-78.15	1.70	30.55	-64.71	-13.00	-51.71

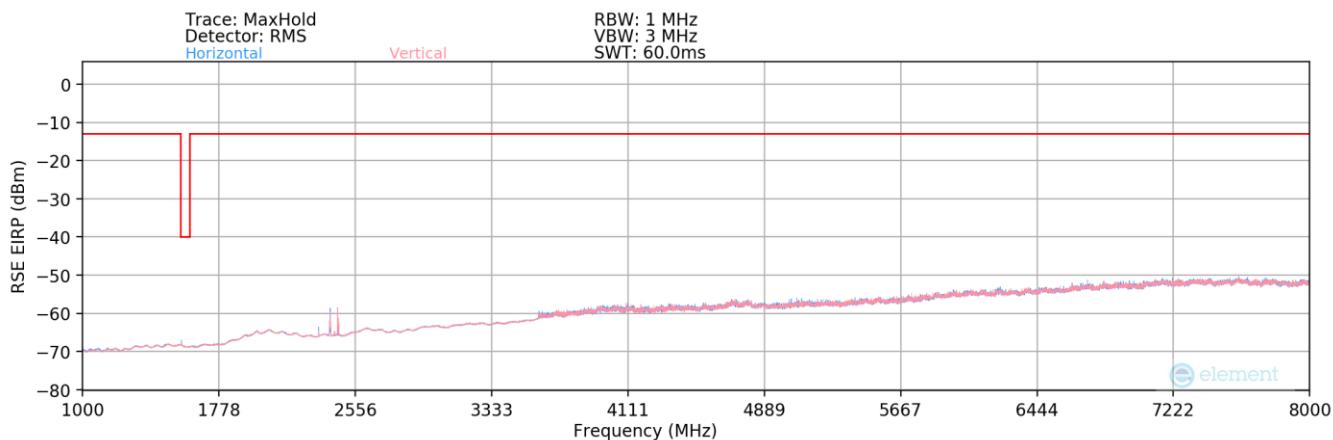
Table 7-40. Radiated Spurious Data (LTE Band 12– High Channel – Ant 2)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
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LTE Band 13 – Ant 2



Plot 7-224. Radiated Spurious Plot Below 1GHz (LTE Band 13 – Ant 2)



Plot 7-225. Radiated Spurious Plot Above 1GHz (LTE Band 13 – Ant 2)

Mode:	10
Channel:	782
Frequency (MHz):	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
187.00	H	-	-	-98.64	18.55	26.91	-70.49	-13.00	-57.49

Table 7-41. Radiated Spurious Data (LTE Band 13 – Mid Channel – Ant 2)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
Test Report S/N: 1M2411190103-03-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular				Page 165 of 205

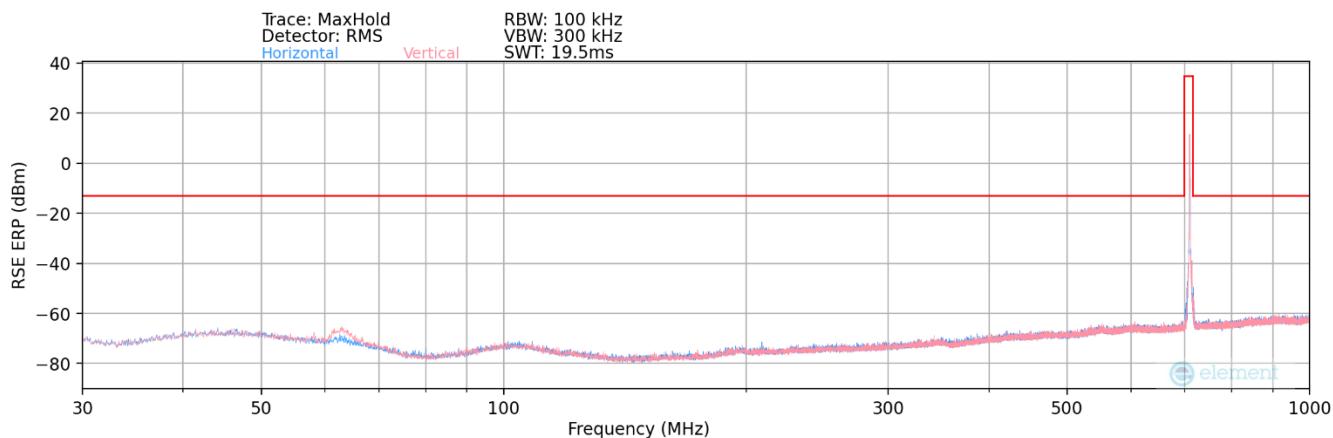
Bandwidth (MHz):	10
Frequency (MHz):	782
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1564.00	H	212	269	-69.80	-6.81	30.39	-64.87	-40.00	-24.87
2346.00	H	147	342	-70.23	-4.05	32.72	-62.54	-13.00	-49.54
3128.00	H	-	-	-77.04	-1.75	28.21	-67.05	-13.00	-54.05
3910.00	H	-	-	-78.41	1.27	29.86	-65.40	-13.00	-52.40
4692.00	H	-	-	-78.19	3.03	31.84	-63.41	-13.00	-50.41

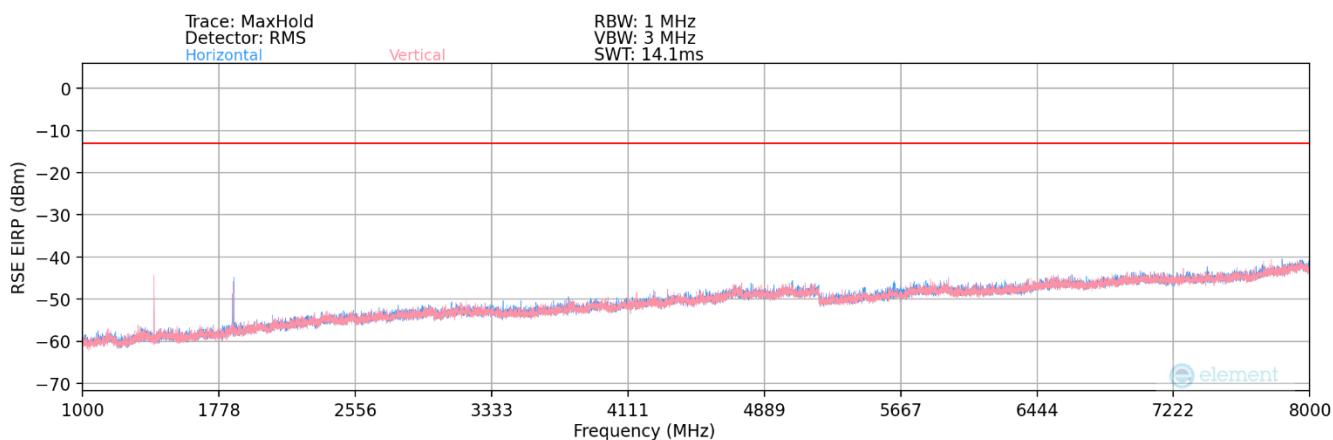
Table 7-42. Radiated Spurious Data (LTE Band 13 – Mid Channel – Ant 2)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2411190103-03-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular		Page 166 of 205

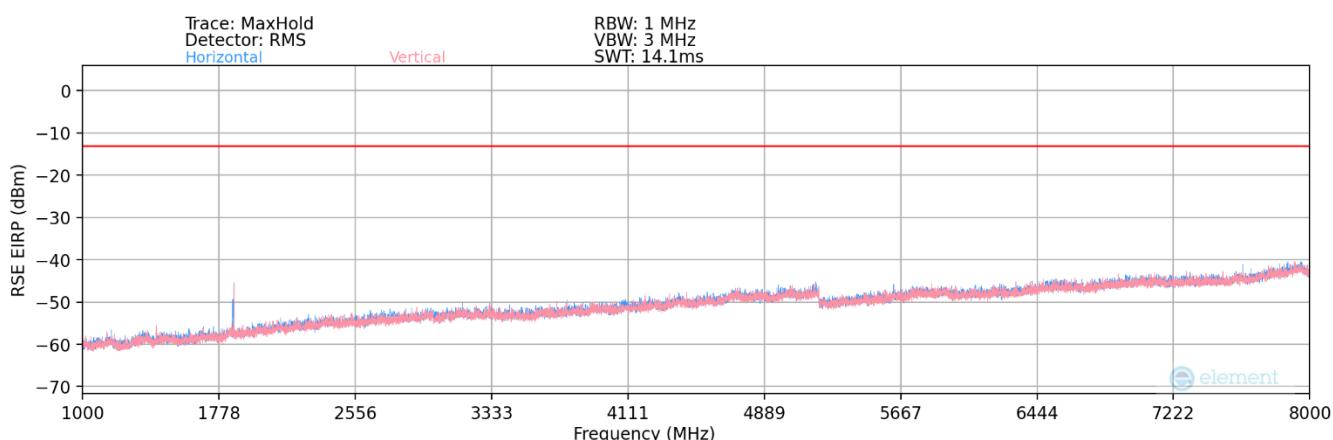
LTE ULCA B12– Ant 2



Plot 7-226. Radiated Spurious Plot Below 1GHz (ULCA LTE Band 12– Ant 2)

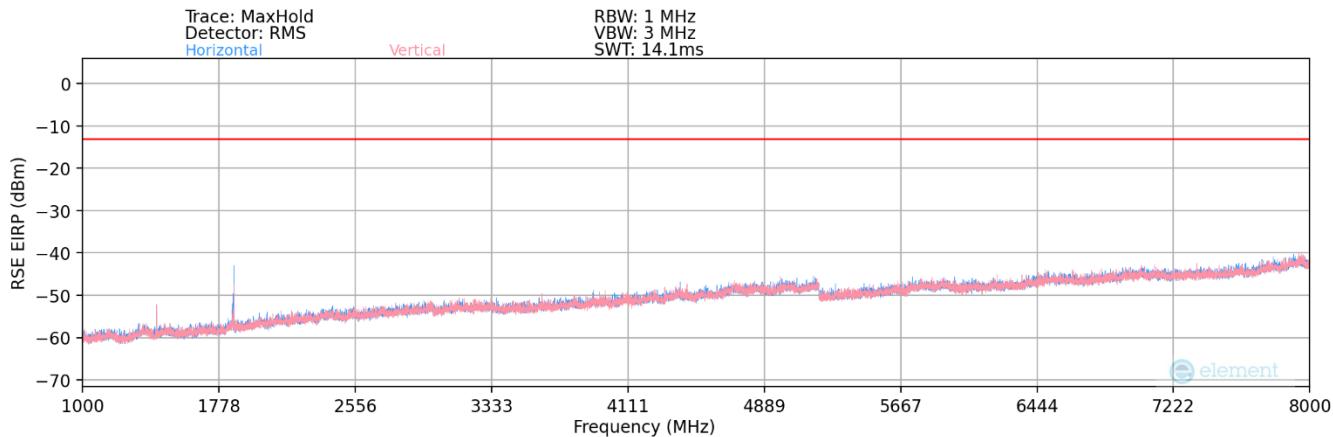


Plot 7-227. Radiated Spurious Plot Above 1GHz (ULCA LTE Band 12– Ant 2)



Plot 7-228. Radiated Spurious Plot Above 1GHz (ULCA LTE Band 12– Ant 2)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2411190103-03-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular	Page 167 of 205



Plot 7-229. Radiated Spurious Plot Above 1GHz (ULCA LTE Band 12– Ant 2)

PCC Bandwidth (MHz):	5
PCC Frequency (MHz):	707.5
PCC RB / Offset:	1 / 24
SCC Bandwidth (MHz):	5
SCC Frequency (MHz):	712.3
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 [dBuV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
62.71	V	342	154	-74.72	-13.29	18.99	-78.42	-13.00	-65.42
75.87	V	-	-	-78.10	-18.05	10.85	-86.56	-13.00	-73.56
188.56	V	-	-	-81.63	-14.30	11.07	-86.33	-13.00	-73.33
375.57	V	-	-	-84.61	-9.25	13.14	-84.27	-13.00	-71.27

Table 7-43. Radiated Spurious Data (ULCA LTE Band 12– Mid Channel – Ant 2)

PCC Bandwidth (MHz):	5
PCC Frequency (MHz):	701.5
PCC RB / Offset:	1 / 24
SCC Bandwidth (MHz):	5
SCC Frequency (MHz):	706.3
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 [dBuV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1403.00	H	143	113	-61.24	-1.59	44.17	-51.09	-13.00	-38.09
2104.50	H	175	233	-74.67	2.64	34.97	-60.29	-13.00	-47.29
2806.00	H	-	-	-77.43	5.04	34.61	-60.65	-13.00	-47.65
3507.50	H	-	-	-78.45	6.91	35.46	-59.79	-13.00	-46.79
4209.00	H	-	-	-78.09	8.31	37.22	-58.03	-13.00	-45.03

Table 7-44. Radiated Spurious Data (ULCA LTE Band 12– Low Channel – Ant 2)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
Test Report S/N: 1M2411190103-03-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular				Page 168 of 205

PCC Bandwidth (MHz):	5
PCC Frequency (MHz):	707.5
PCC RB / Offset:	1 / 24
SCC Bandwidth (MHz):	5
SCC Frequency (MHz):	712.3
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 [dBuV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1415.00	H	188	95	-71.95	-1.67	33.38	-61.87	-13.00	-48.87
2122.50	H	139	235	-74.06	2.79	35.73	-59.53	-13.00	-46.53
2830.00	H	-	-	-77.37	5.21	34.84	-60.42	-13.00	-47.42
3537.50	H	-	-	-78.38	6.77	35.39	-59.86	-13.00	-46.86
4245.00	H	-	-	-77.73	8.67	37.94	-57.32	-13.00	-44.32

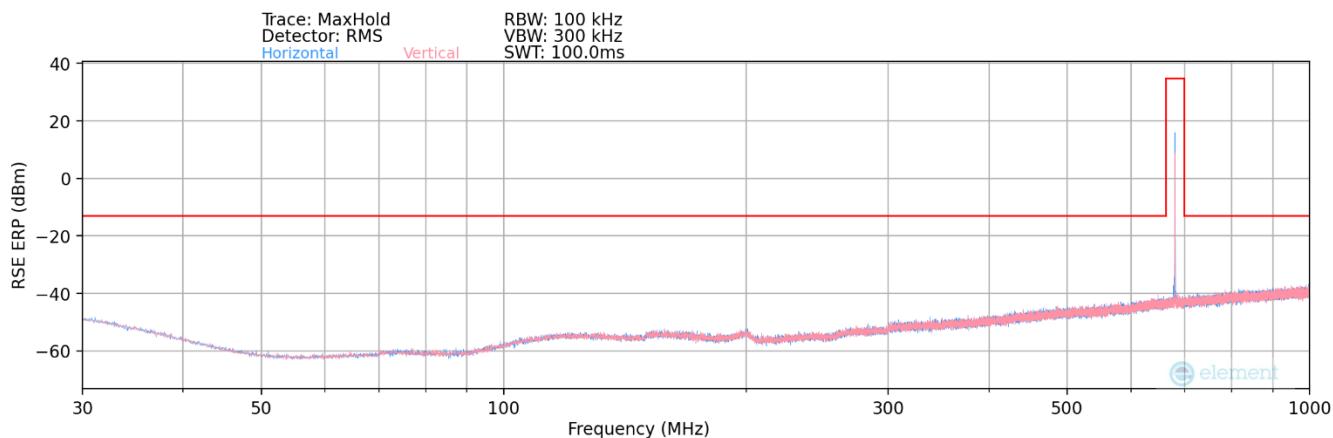
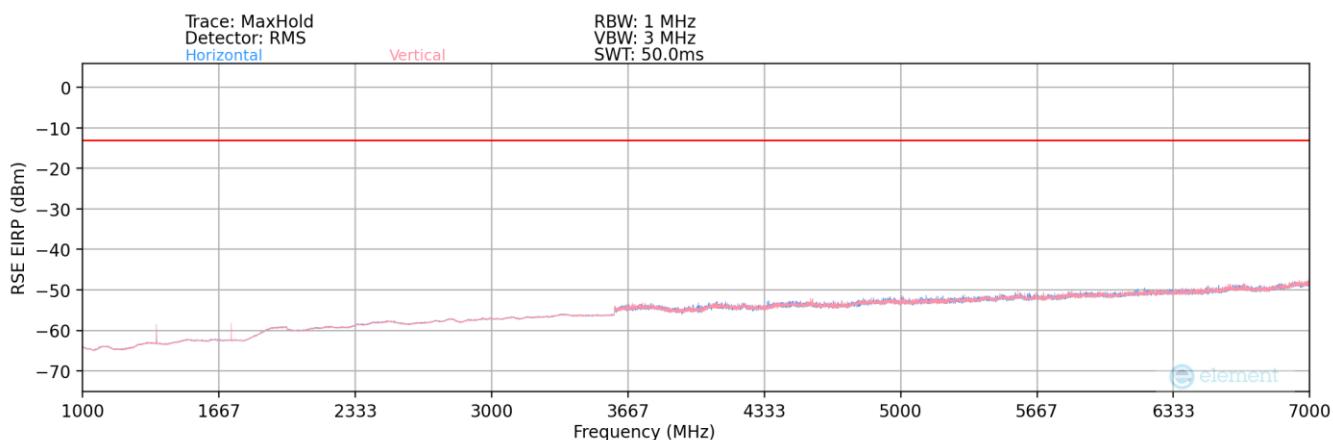
Table 7-45. Radiated Spurious Data (ULCA LTE Band 12– Mid Channel – Ant 2)

PCC Bandwidth (MHz):	5
PCC Frequency (MHz):	713.5
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	5
SCC Frequency (MHz):	708.7
SCC RB / Offset:	1 / 24

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1427.00	H	159	91	-68.89	-1.29	36.82	-58.43	-13.00	-45.43
2140.50	H	130	232	-73.25	2.57	36.32	-58.94	-13.00	-45.94
2854.00	H	-	-	-77.42	4.87	34.45	-60.81	-13.00	-47.81
3567.50	H	-	-	-75.55	6.90	38.35	-56.91	-13.00	-43.91
4281.00	H	-	-	-77.71	8.34	37.63	-57.63	-13.00	-44.63

Table 7-46. Radiated Spurious Data (ULCA LTE Band 12– High Channel – Ant 2)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT				Approved by: Technical Manager
Test Report S/N: 1M2411190103-03-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular			Page 169 of 205

NR Band n71 – Ant 2

Plot 7-230. Radiated Spurious Plot Below 1GHz (NR Band n71 – Ant 2)

Plot 7-231. Radiated Spurious Plot Above 1GHz (NR Band n71 – Ant 2)

Bandwidth (MHz):	20
Frequency (MHz):	680.5
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 μ V/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
300.00	V	-	-	-99.39	21.22	28.83	-68.58	-13.00	-55.58

Table 7-47. Radiated Spurious Data (NR Band n71 – Mid Channel – Ant 2)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
Test Report S/N: 1M2411190103-03-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular				Page 170 of 205

Bandwidth (MHz):	20
Frequency (MHz):	673
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 μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1346.00	V	140	72	-59.80	-2.27	44.93	-50.33	-13.00	-37.33
2019.00	V	-	-	-78.26	1.23	29.97	-65.29	-13.00	-52.29
2692.00	V	-	-	-78.71	3.05	31.34	-63.92	-13.00	-50.92
3365.00	V	-	-	-78.95	4.88	32.93	-62.33	-13.00	-49.33

Table 7-48. Radiated Spurious Data (NR Band n71 – Low Channel – Ant 2)

Bandwidth (MHz):	20
Frequency (MHz):	680.5
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 μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1361.00	V	143	156	-66.56	-2.35	38.09	-57.17	-13.00	-44.17
2041.50	V	-	-	-77.82	1.05	30.23	-65.03	-13.00	-52.03
2722.00	V	-	-	-78.51	3.42	31.91	-63.34	-13.00	-50.34
3402.50	V	-	-	-78.91	4.60	32.69	-62.56	-13.00	-49.56

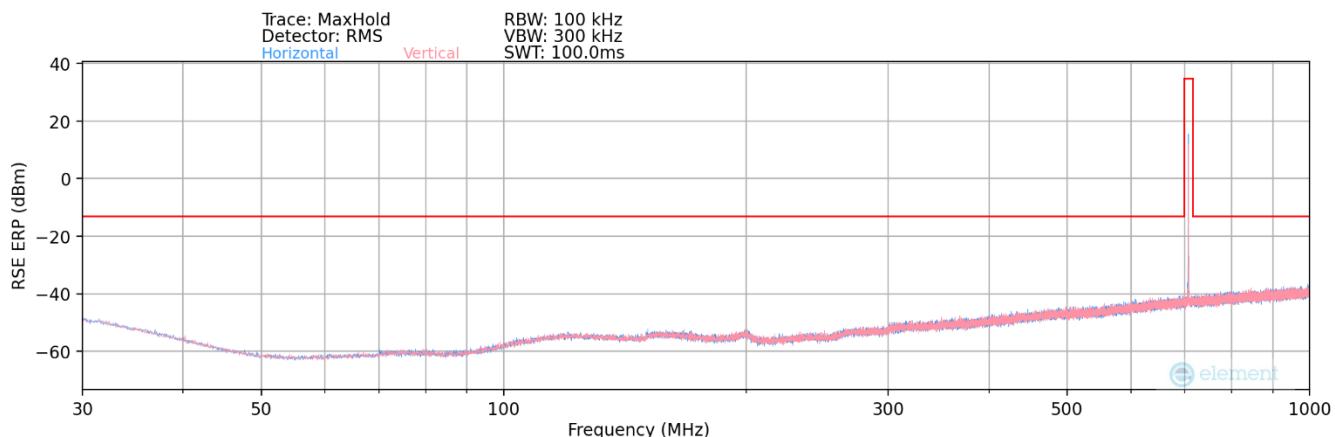
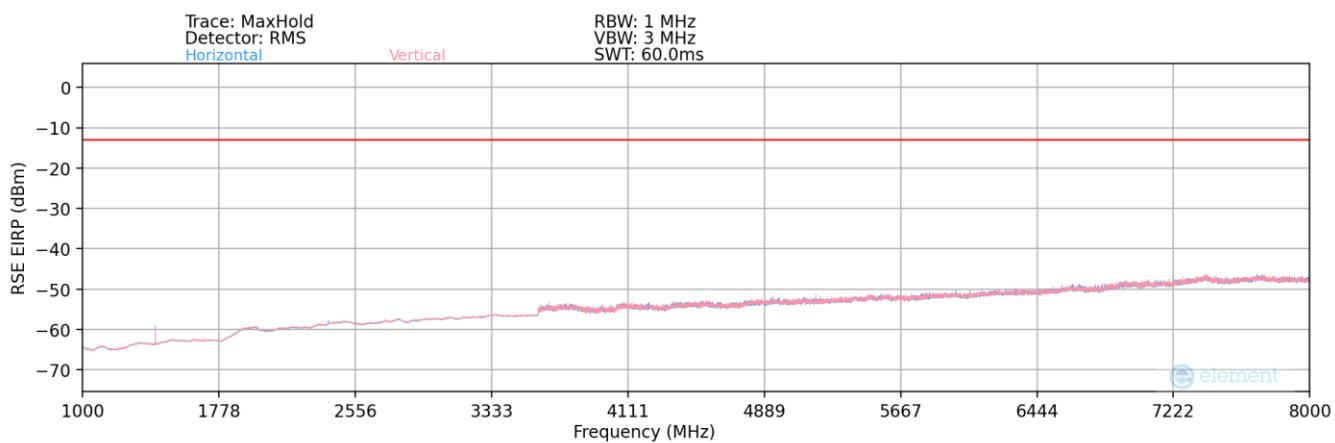
Table 7-49. Radiated Spurious Data (NR Band n71 – Mid Channel – Ant 2)

Bandwidth (MHz):	20
Frequency (MHz):	688
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 μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1376.00	V	215	158	-61.96	-2.47	42.57	-52.68	-13.00	-39.68
2064.00	V	-	-	-77.81	0.93	30.12	-65.14	-13.00	-52.14
2752.00	V	-	-	-78.74	3.33	31.59	-63.66	-13.00	-50.66
3440.00	V	-	-	-78.62	4.49	32.87	-62.39	-13.00	-49.39

Table 7-50. Radiated Spurious Data (NR Band n71 – High Channel – Ant 2)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT						Approved by: Technical Manager
Test Report S/N: 1M2411190103-03-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular					

NR Band n12 – Ant 2

Plot 7-232. Radiated Spurious Plot Below 1GHz (NR Band n12 – Ant 2)

Plot 7-233. Radiated Spurious Plot Above 1GHz (NR Band n12 – Ant 2)

Bandwidth (MHz):	15								
Frequency (MHz):	707.5								
RB / Offset:	1 / 37								
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
300.00	H	-	-	-99.52	21.22	28.70	-68.71	-13.00	-55.71

Table 7-51. Radiated Spurious Data (NR Band n12 – Mid Channel – Ant 2)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
Test Report S/N: 1M2411190103-03-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular				

Bandwidth (MHz):	15
Frequency (MHz):	706.5
RB / Offset:	1 / 37

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1413.00	H	303	304	-65.48	-2.67	38.85	-56.41	-13.00	-43.41
2119.50	H	270	54	-77.05	1.54	31.49	-63.76	-13.00	-50.76
2826.00	H	-	-	-78.70	3.49	31.79	-63.47	-13.00	-50.47
3532.50	H	-	-	-78.60	4.41	32.81	-62.45	-13.00	-49.45
4239.00	H	-	-	-79.32	5.61	33.29	-61.96	-13.00	-48.96

Table 7-52. Radiated Spurious Data (NR Band n12 – Low Channel – Ant 2)

Bandwidth (MHz):	15
Frequency (MHz):	707.5
RB / Offset:	1 / 37

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1415.00	H	307	304	-67.47	-2.65	36.88	-58.38	-13.00	-45.38
2122.50	H	313	56	-76.46	1.56	32.10	-63.15	-13.00	-50.15
2830.00	H	-	-	-78.71	3.39	31.68	-63.58	-13.00	-50.58
3537.50	H	-	-	-78.74	4.43	32.69	-62.57	-13.00	-49.57
4245.00	H	-	-	-79.32	5.54	33.22	-62.04	-13.00	-49.04

Table 7-53. Radiated Spurious Data (NR Band n12 – Mid Channel – Ant 2)

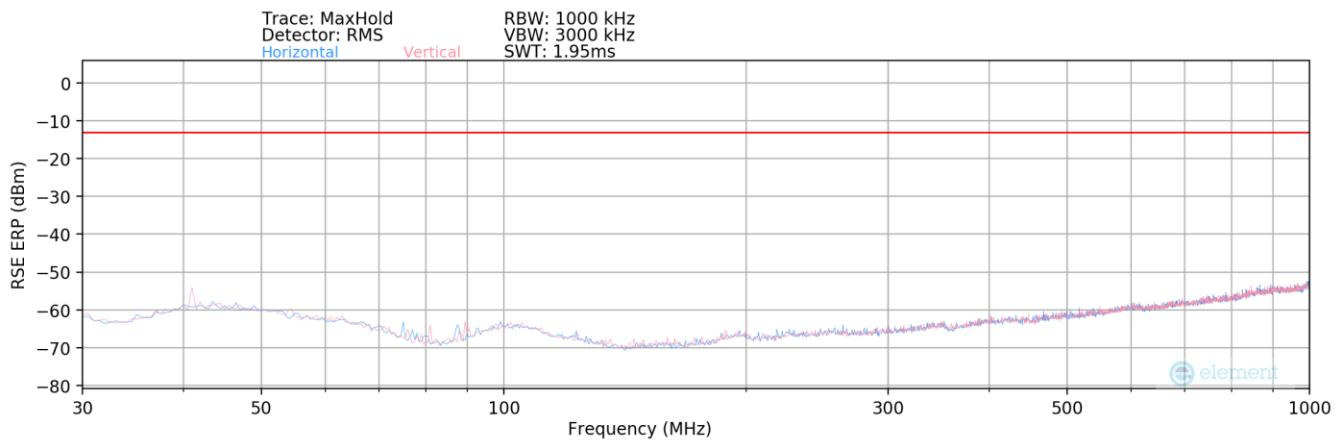
Bandwidth (MHz):	15
Frequency (MHz):	708.5
RB / Offset:	1 / 37

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1417.00	H	133	301	-68.43	-2.63	35.94	-59.31	-13.00	-46.31
2125.50	H	182	251	-76.07	1.59	32.52	-62.74	-13.00	-49.74
2834.00	H	-	-	-78.69	3.29	31.60	-63.65	-13.00	-50.65
3542.50	H	-	-	-78.55	4.47	32.92	-62.34	-13.00	-49.34
4251.00	H	-	-	-79.28	5.47	33.19	-62.07	-13.00	-49.07

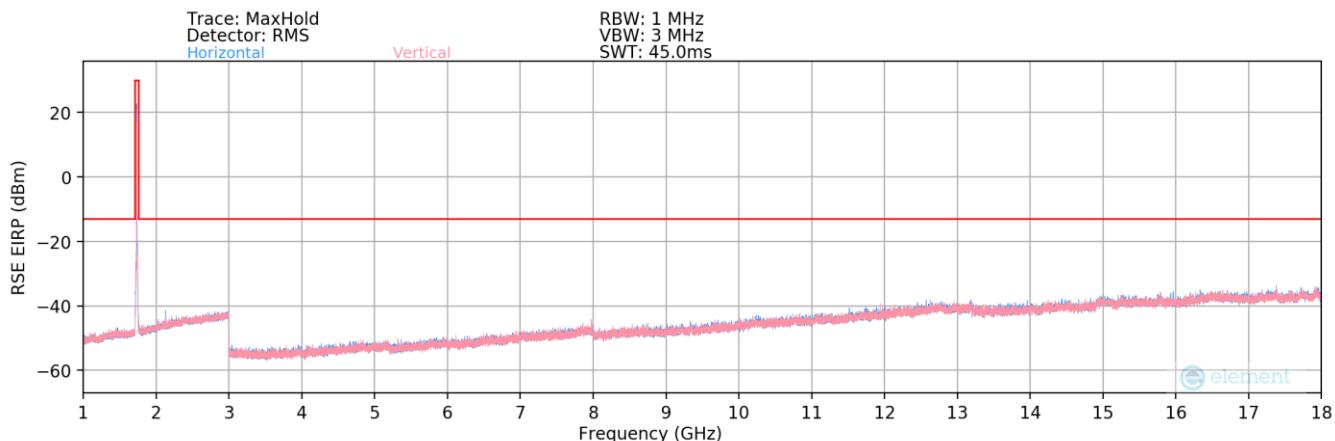
Table 7-54. Radiated Spurious Data (NR Band n12 – High Channel – Ant 2)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT						Approved by: Technical Manager	
Test Report S/N: 1M2411190103-03-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular						

WCDMA AWS – Ant 1



Plot 7-234. Radiated Spurious Plot Below 1GHz (WCDMA AWS – Ant 1)



Plot 7-235. Radiated Spurious Plot Above 1GHz (WCDMA AWS – Ant 1)

Mode:	WCDMA RMC								
Channel:	1413								
Frequency (MHz):	1732.6								
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
40.00	V	-	-	-73.99	-12.64	20.37	-77.03	-13.00	-64.03

Table 7-55. Radiated Spurious Data (WCDMA AWS – Mid Channel – Ant 1)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT				Approved by: Technical Manager
Test Report S/N: 1M2411190103-03-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular			

Mode:	WCDMA RMC		
Channel:	1312		
Frequency (MHz):	1712.4		

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3424.80	V	104	227	-78.04	7.04	36.00	-59.25	-13.00	-46.25
5137.20	V	-	-	-80.60	10.72	37.12	-58.13	-13.00	-45.13
6849.60	V	-	-	-81.54	14.07	39.53	-55.73	-13.00	-42.73
8562.00	V	-	-	-82.62	16.69	41.07	-54.19	-13.00	-41.19

7-56. Radiated Spurious Data (WCDMA AWS – Low Channel – Ant 1)

Mode:	WCDMA RMC		
Channel:	1413		
Frequency (MHz):	1732.6		

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3465.20	V	-	-	-79.15	7.06	34.91	-60.35	-13.00	-47.35
5197.80	V	-	-	-80.68	10.29	36.61	-58.65	-13.00	-45.65
6930.40	V	-	-	-81.76	13.73	38.97	-56.29	-13.00	-43.29

Table 7-57. Radiated Spurious Data (WCDMA AWS – Mid Channel – Ant 1)

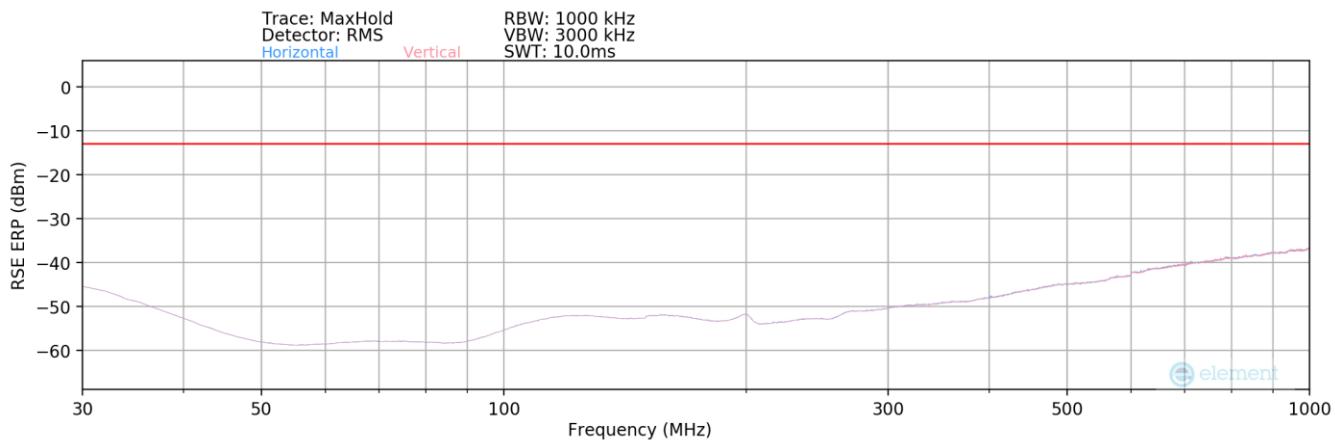
Mode:	WCDMA RMC		
Channel:	1513		
Frequency (MHz):	1752.6		

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3505.20	V	-	-	-79.86	7.20	34.34	-60.92	-13.00	-47.92
5257.80	V	-	-	-80.61	10.32	36.71	-58.55	-13.00	-45.55
7010.40	V	-	-	-81.88	14.47	39.59	-55.67	-13.00	-42.67

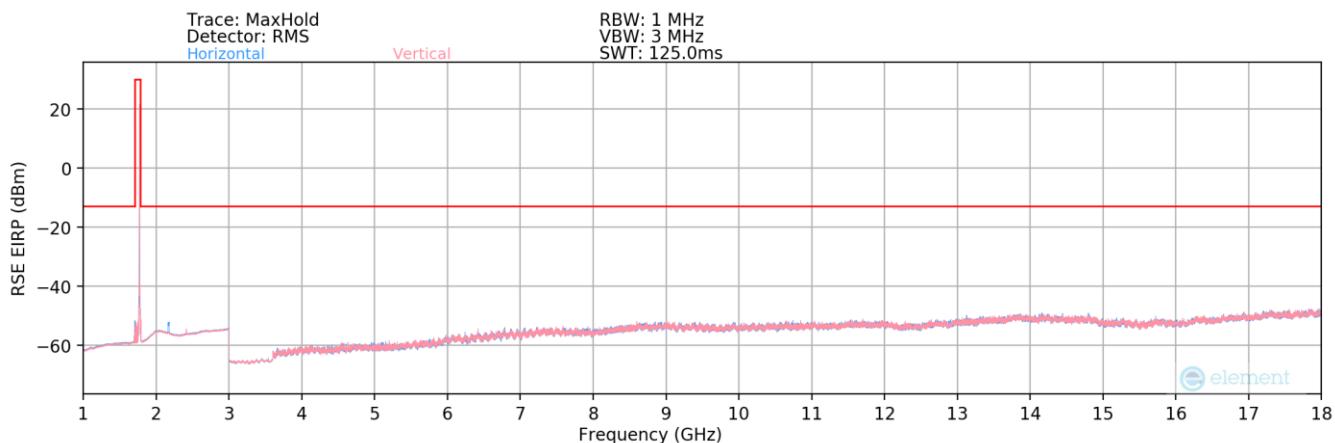
Table 7-58. Radiated Spurious Data (WCDMA AWS – High Channel – Ant 1)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
Test Report S/N: 1M2411190103-03-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular				Page 175 of 205

LTE Band 66/4 – Ant 1



Plot 7-236. Radiated Spurious Plot Below 1GHz (LTE Band 66/4 – Ant 1)



Plot 7-237. Radiated Spurious Plot Above 1GHz (LTE Band 66/4 – Ant 1)

Bandwidth (MHz):	20
Frequency (MHz):	1745
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 μ V/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
498.00	V	-	-	-91.10	25.86	41.76	-55.65	-13.00	-42.65

Table 7-59. Radiated Spurious Data (LTE Band 66/4 – Mid Channel – Ant 1)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
Test Report S/N: 1M2411190103-03-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular				Page 176 of 205

Bandwidth (MHz):	20
Frequency (MHz):	1720
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 μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3440.00	V	-	-	-77.35	0.33	29.98	-65.28	-13.00	-52.28
5160.00	V	-	-	-79.03	3.24	31.21	-64.05	-13.00	-51.05
6880.00	V	-	-	-79.03	8.80	36.77	-58.49	-13.00	-45.49

Table 7-60. Radiated Spurious Data (LTE Band 66/4 – Low Channel – Ant 1)

Bandwidth (MHz):	20
Frequency (MHz):	1745
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 μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.00	V	148	248	-69.28	0.06	37.78	-57.48	-13.00	-44.48
5235.00	V	-	-	-78.81	3.37	31.56	-63.70	-13.00	-50.70
6980.00	V	-	-	-78.71	7.96	36.25	-59.01	-13.00	-46.01
8725.00	V	-	-	-79.92	11.68	38.76	-56.50	-13.00	-43.50

Table 7-61. Radiated Spurious Data (LTE Band 66/4 – Mid Channel – Ant 1)

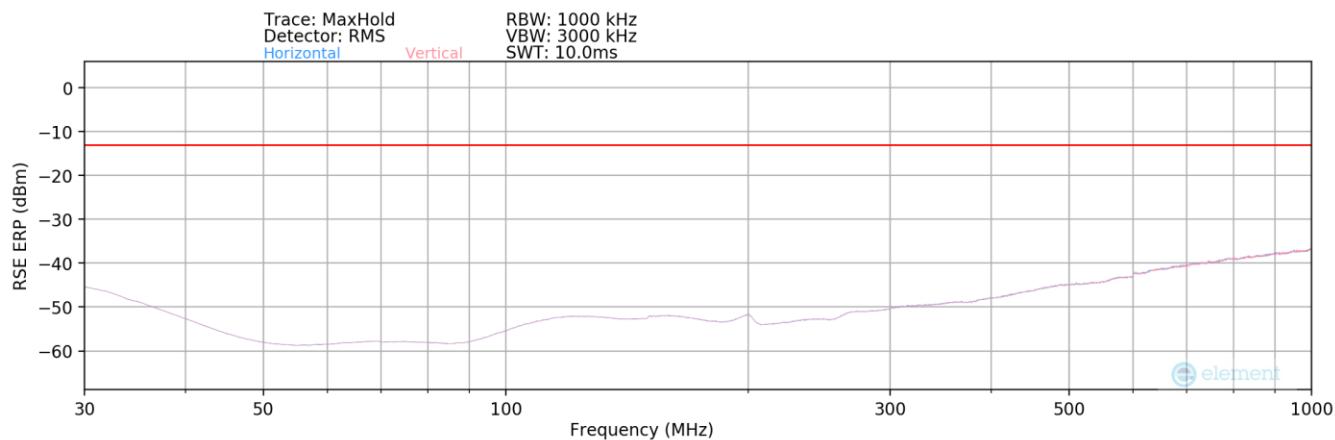
Bandwidth (MHz):	20
Frequency (MHz):	1770
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3540.00	V	-	-	-76.99	-0.29	29.72	-65.53	-13.00	-52.53
5310.00	V	-	-	-78.54	3.22	31.68	-63.58	-13.00	-50.58
7080.00	V	-	-	-78.99	8.62	36.63	-58.63	-13.00	-45.63

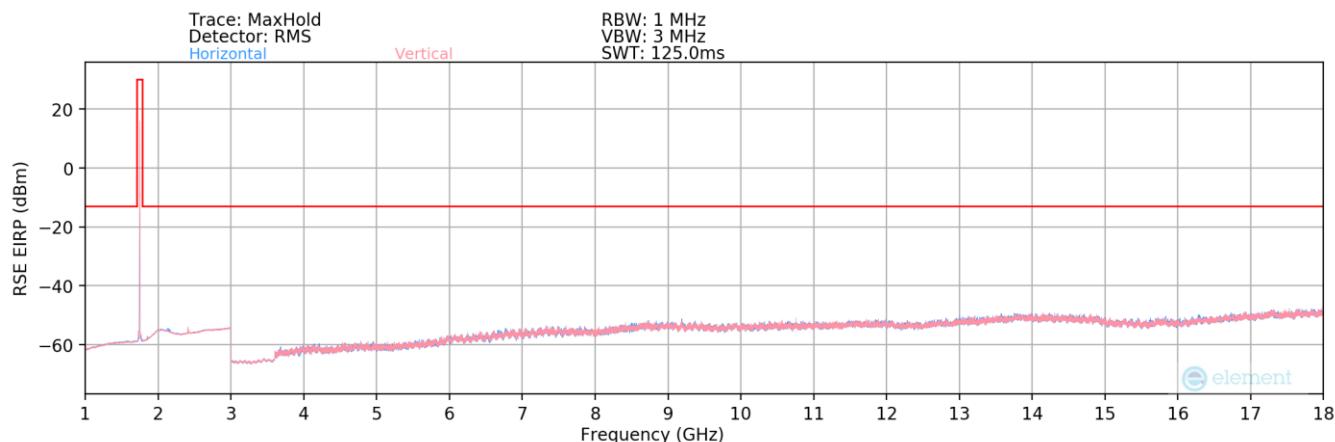
Table 7-62. Radiated Spurious Data (LTE Band 66/4 – High Channel – Ant 1)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT						Approved by: Technical Manager
Test Report S/N: 1M2411190103-03-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular					

NR Band n66 – Ant 1



Plot 7-238. Radiated Spurious Plot Below 1GHz (NR Band n66 – Ant 1)



Plot 7-239. Radiated Spurious Plot Above 1GHz (NR Band n66 – Ant 1)

Bandwidth (MHz):	40
Frequency (MHz):	1745
RB / Offset:	1 / 108
Detector / Trace Mode:	RMS / Average

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
746.00	V	-	-	-108.22	29.43	28.21	-69.20	-13.00	-56.20

Table 7-63. Radiated Spurious Data (NR Band n66 – Mid Channel – Ant 1)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
Test Report S/N: 1M2411190103-03-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular				

Bandwidth (MHz):	40		
Frequency (MHz):	1730		
RB / Offset:	1 / 108		
Detector / Trace Mode:	RMS / Average		

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3460.00	V	-	-	-77.03	0.17	30.14	-65.12	-13.00	-52.12
5190.00	V	-	-	-78.62	3.38	31.76	-63.50	-13.00	-50.50
6920.00	V	-	-	-79.97	8.47	35.50	-59.76	-13.00	-46.76

Table 7-64. Radiated Spurious Data (NR Band n66 – Low Channel – Ant 1)

Bandwidth (MHz):	40		
Frequency (MHz):	1745		
RB / Offset:	1 / 108		
Detector / Trace Mode:	RMS / Average		

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.00	V	-	-	-77.48	0.06	29.58	-65.68	-13.00	-52.68
5235.00	V	-	-	-78.47	3.37	31.90	-63.36	-13.00	-50.36
6980.00	V	-	-	-78.68	7.96	36.28	-58.98	-13.00	-45.98

Table 7-65. Radiated Spurious Data (NR Band n66 – Mid Channel – Ant 1)

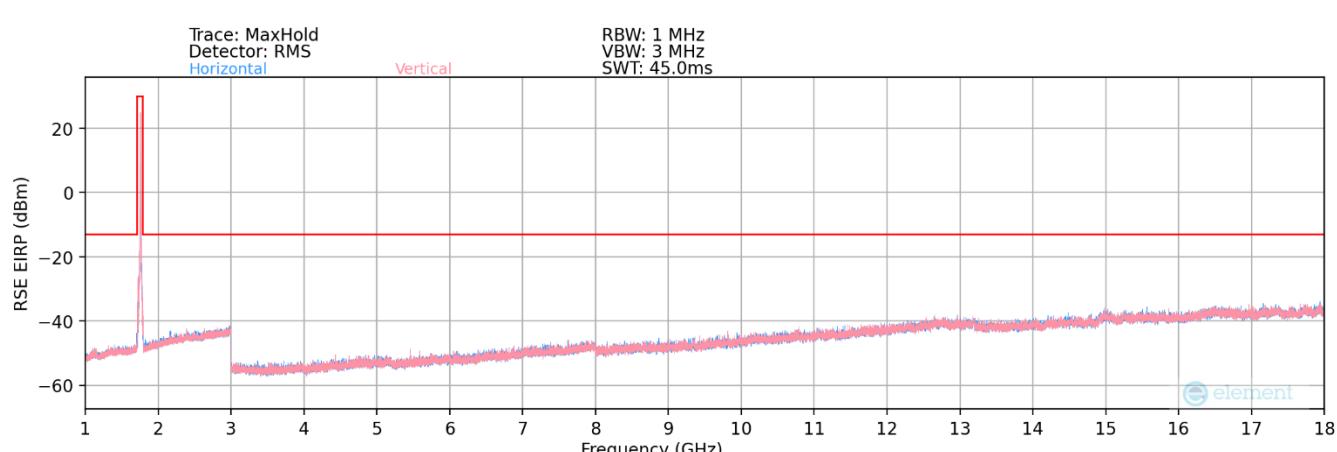
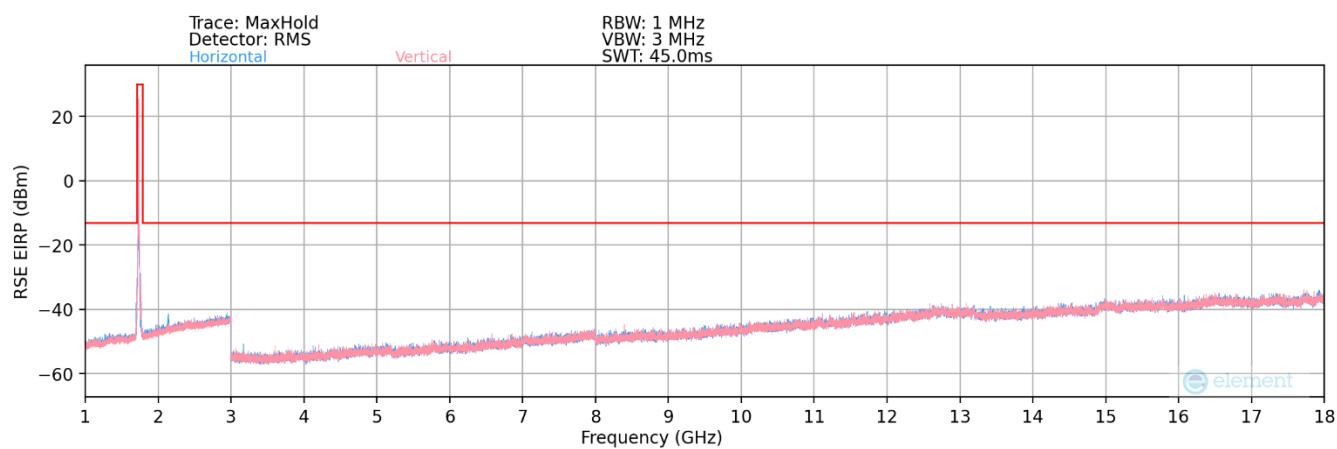
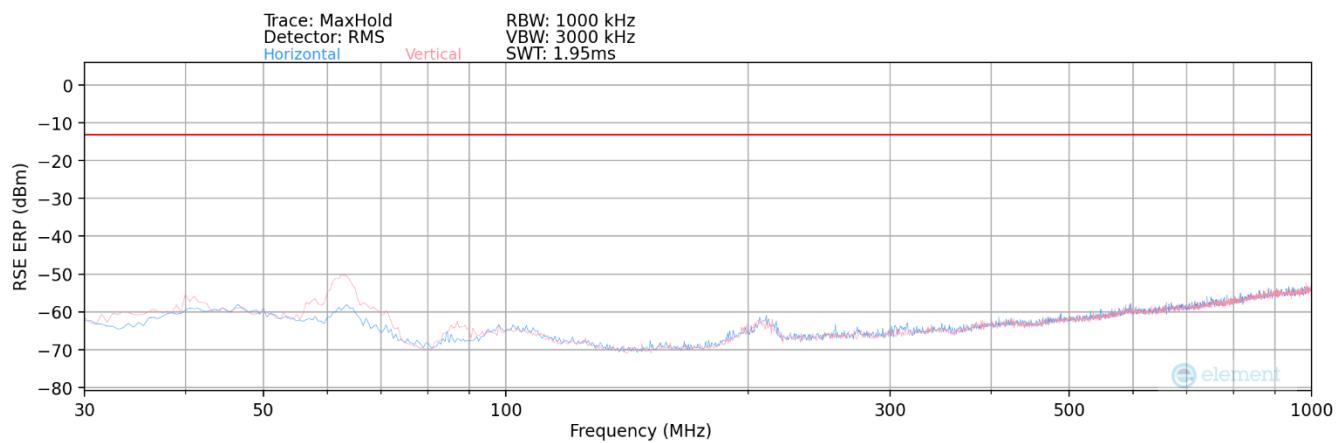
Bandwidth (MHz):	40		
Frequency (MHz):	1760		
RB / Offset:	1 / 108		
Detector / Trace Mode:	RMS / Average		

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3520.00	V	-	-	-76.87	-0.06	30.07	-65.19	-13.00	-52.19
5280.00	V	-	-	-78.16	3.28	32.12	-63.14	-13.00	-50.14
7040.00	V	-	-	-78.42	8.10	36.68	-58.57	-13.00	-45.57

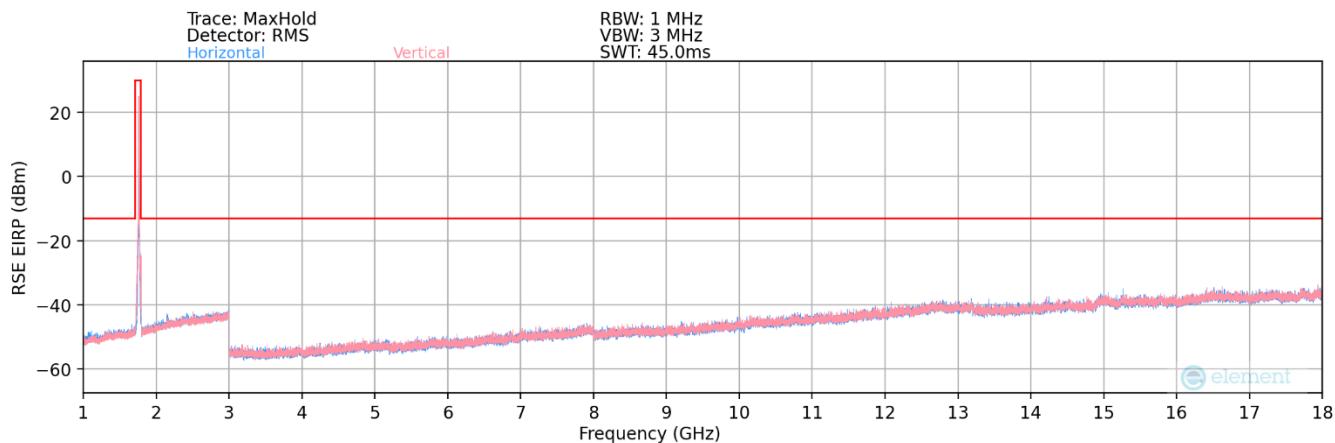
Table 7-66. Radiated Spurious Data (NR Band n66 – High Channel – Ant 1)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
Test Report S/N: 1M2411190103-03-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular				Page 179 of 205

Uplink CA LTE Band 66B/C – Ant 1



FCC ID: C3K2114	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2411190103-03-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular	Page 180 of 205



Plot 7-243. Radiated Spurious Plot Above 1GHz (ULCA LTE66 – Ant 1)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	1745.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	1764.8
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 μ V/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
61.77	V	328	180	-64.95	-13.00	29.05	-68.36	-13.00	-55.36
188.41	V	-	-	-72.31	-14.31	20.38	-77.03	-13.00	-64.03
394.10	V	-	-	-74.20	-8.52	24.28	-73.12	-13.00	-60.12
609.14	V	-	-	-75.91	-4.58	26.51	-70.90	-13.00	-57.90

Table 7-67. Radiated Spurious Data (ULCA LTE66 – Mid Channel – Ant 1)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	1720.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	1739.8
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 μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3440.00	H	136	158	-78.03	7.22	36.19	-59.06	-13.00	-46.06
5160.00	H	-	-	-80.73	10.65	36.92	-58.34	-13.00	-45.34
6880.00	H	-	-	-81.81	13.86	39.05	-56.20	-13.00	-43.20
8600.00	H	-	-	-82.83	16.34	40.51	-54.75	-13.00	-41.75

7-68. Radiated Spurious Data (ULCA LTE66 – Low Channel – Ant 1)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
Test Report S/N: 1M2411190103-03-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular				Page 181 of 205

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	1745.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	1764.8
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 μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.00	H	162	173	-79.70	7.16	34.46	-60.80	-13.00	-47.80
5235.00	H	-	-	-80.75	10.29	36.54	-58.72	-13.00	-45.72
6980.00	H	-	-	-81.60	13.87	39.27	-55.99	-13.00	-42.99
8725.00	H	-	-	-82.67	16.38	40.71	-54.55	-13.00	-41.55

Table 7-69. Radiated Spurious Data (ULCA LTE66 – Mid Channel – Ant 1)

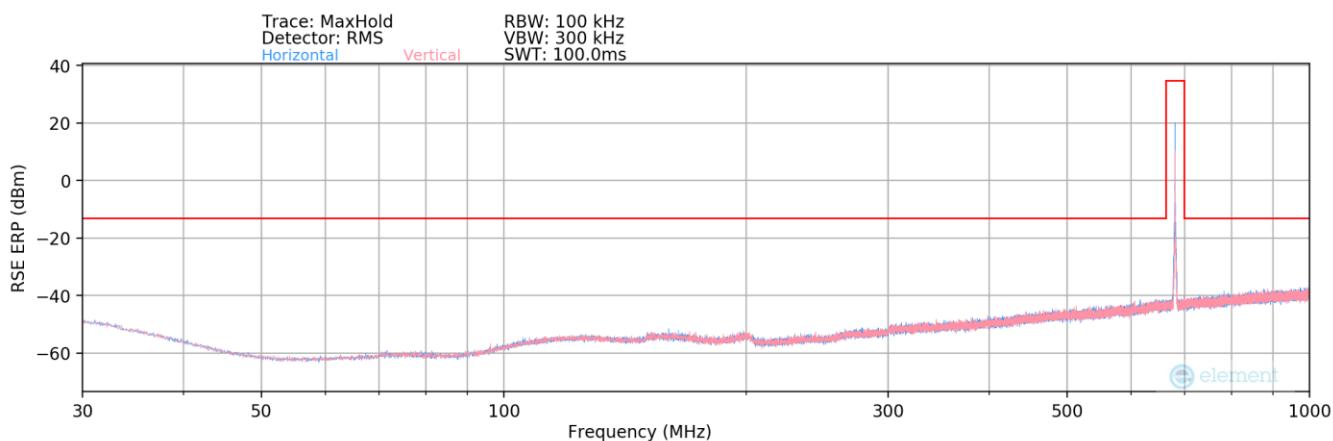
PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	1770.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	1750.2
SCC RB / Offset:	1 / 99

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3540.00	H	151	161	-76.30	7.31	38.01	-57.25	-13.00	-44.25
5310.00	H	-	-	-80.89	10.65	36.76	-58.49	-13.00	-45.49
7080.00	H	-	-	-81.60	14.20	39.60	-55.66	-13.00	-42.66
8850.00	H	-	-	-83.01	16.69	40.68	-54.58	-13.00	-41.58

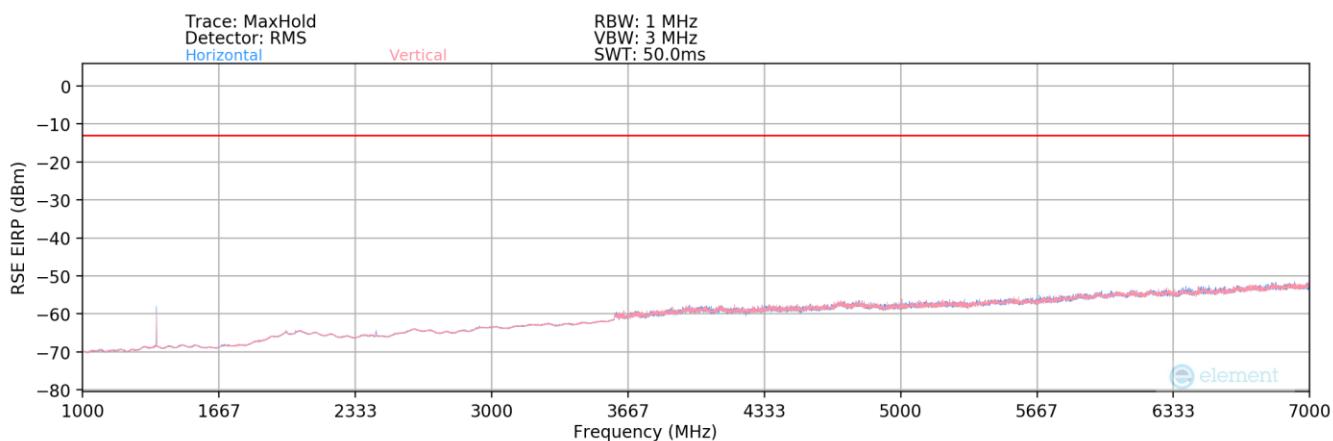
Table 7-70. Radiated Spurious Data (ULCA LTE66 – High Channel – Ant 1)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
Test Report S/N: 1M2411190103-03-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular				Page 182 of 205

LTE Band 71 – Ant 5



Plot 7-244. Radiated Spurious Plot Below 1GHz (LTE Band 71 – Ant 5)



Plot 7-245. Radiated Spurious Plot Above 1GHz (LTE Band 71 – Ant 5)

Bandwidth (MHz):	20
Frequency (MHz):	688
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 μ V/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
161.00	V	-	-	-108.77	19.87	18.10	-79.31	-13.00	-66.31

Table 7-71. Radiated Spurious Data (LTE Band 71 – Mid Channel – Ant 5)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
Test Report S/N: 1M2411190103-03-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular				Page 183 of 205

Bandwidth (MHz):	20
Frequency (MHz):	673
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 μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1346.00	V	123	267	-68.49	-6.97	31.54	-63.72	-13.00	-50.72
2019.00	V	-	-	-76.90	-3.20	26.90	-68.36	-13.00	-55.36
2692.00	V	-	-	-77.06	-2.59	27.35	-67.90	-13.00	-54.90
3365.00	V	-	-	-77.07	-1.02	28.91	-66.35	-13.00	-53.35

Table 7-72. Radiated Spurious Data (LTE Band 71 – Low Channel – Ant 5)

Bandwidth (MHz):	20
Frequency (MHz):	680.5
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 μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1361.00	V	396	243	-44.25	-7.03	55.72	-39.54	-13.00	-26.54
2041.50	V	396	252	-52.03	-2.77	52.20	-43.06	-13.00	-30.06
2722.00	V	400	267	-69.42	-2.96	34.62	-60.64	-13.00	-47.64
3402.50	V	131	56	-69.68	-1.14	36.18	-59.07	-13.00	-46.07
4083.00	V	-	-	-78.23	1.53	30.30	-64.95	-13.00	-51.95
4763.50	V	-	-	-78.47	3.08	31.61	-63.64	-13.00	-50.64
5444.00	V	-	-	-78.32	3.98	32.66	-62.60	-13.00	-49.60

Table 7-73. Radiated Spurious Data (LTE Band 71 – Mid Channel – Ant 5)

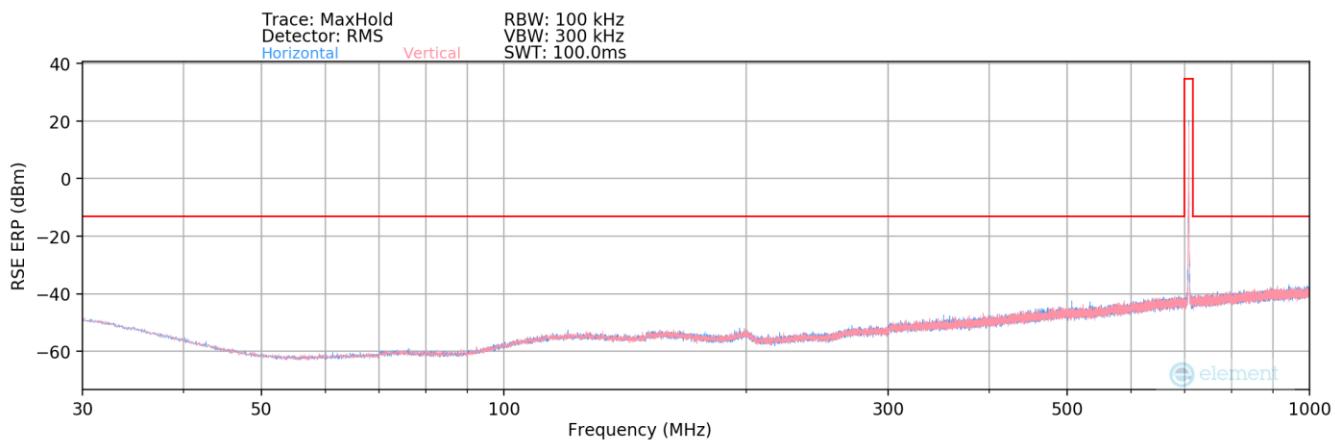
Bandwidth (MHz):	20
Frequency (MHz):	688
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1376.00	V	235	134	-64.79	-7.04	35.17	-60.08	-13.00	-47.08
2064.00	V	231	148	-71.27	-2.76	32.97	-62.29	-13.00	-49.29
2752.00	V	-	-	-77.38	-3.05	26.57	-68.69	-13.00	-55.69
3440.00	V	-	-	-76.84	-0.97	29.19	-66.07	-13.00	-53.07
4128.00	V	-	-	-77.31	1.55	31.24	-64.02	-13.00	-51.02

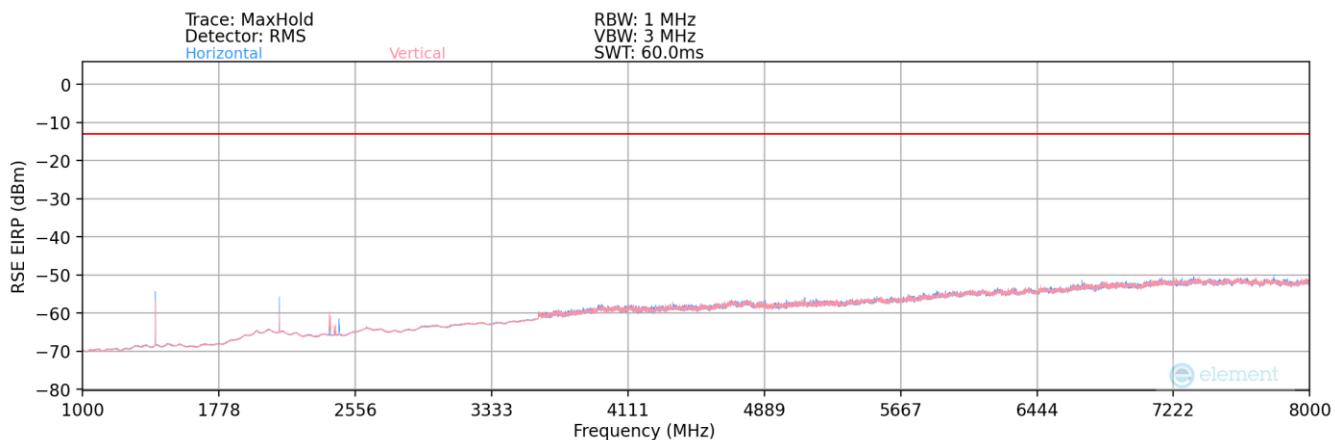
Table 7-74. Radiated Spurious Data (LTE Band 71 – High Channel – Ant 5)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT						Approved by: Technical Manager	
Test Report S/N: 1M2411190103-03-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular						

LTE Band 12– Ant 5



Plot 7-246. Radiated Spurious Plot Below 1GHz (LTE Band 12– Ant 5)



Plot 7-247. Radiated Spurious Plot Above 1GHz (LTE Band 12– Ant 5)

Bandwidth (MHz):	10
Frequency (MHz):	711
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
503.00	H	-	-	-108.35	25.96	24.61	-72.79	-13.00	-59.79

Table 7-75. Radiated Spurious Data (LTE Band 12– Mid Channel – Ant 5)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
Test Report S/N: 1M2411190103-03-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular				Page 185 of 205

Bandwidth (MHz):	10
Frequency (MHz):	704
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1408.00	H	363	190	-66.24	-7.04	33.72	-61.54	-13.00	-48.54
2112.00	H	362	193	-71.85	-2.89	32.26	-63.00	-13.00	-50.00
2816.00	H	-	-	-77.49	-3.05	26.46	-68.79	-13.00	-55.79
3520.00	H	-	-	-77.24	-0.36	29.40	-65.86	-13.00	-52.86
4224.00	H	-	-	-77.80	1.50	30.70	-64.56	-13.00	-51.56

Table 7-76. Radiated Spurious Data (LTE Band 12– Low Channel – Ant 5)

Bandwidth (MHz):	10
Frequency (MHz):	707.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1415.00	H	300	55	-60.72	-7.01	39.27	-55.99	-13.00	-42.99
2122.50	H	345	0	-71.36	-2.94	32.70	-62.56	-13.00	-49.56
2830.00	H	-	-	-77.47	-2.81	26.72	-68.54	-13.00	-55.54
3537.50	H	-	-	-77.38	-0.25	29.37	-65.88	-13.00	-52.88
4245.00	H	-	-	-78.16	1.57	30.41	-64.85	-13.00	-51.85

Table 7-77. Radiated Spurious Data (LTE Band 12– Mid Channel – Ant 5)

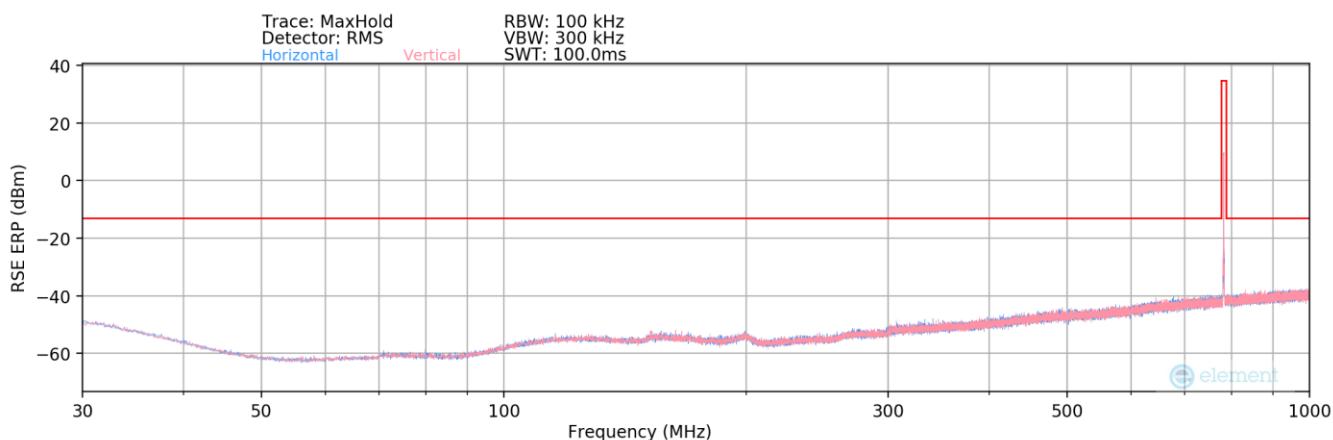
Bandwidth (MHz):	10
Frequency (MHz):	711
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1422.00	H	164	332	-69.34	-6.99	30.67	-64.59	-13.00	-51.59
2133.00	H	179	347	-67.04	-3.00	36.96	-58.30	-13.00	-45.30
2844.00	H	-	-	-77.03	-2.71	27.26	-68.00	-13.00	-55.00
3555.00	H	-	-	-77.44	-0.15	29.41	-65.85	-13.00	-52.85
4266.00	H	-	-	-78.00	1.70	30.70	-64.56	-13.00	-51.56

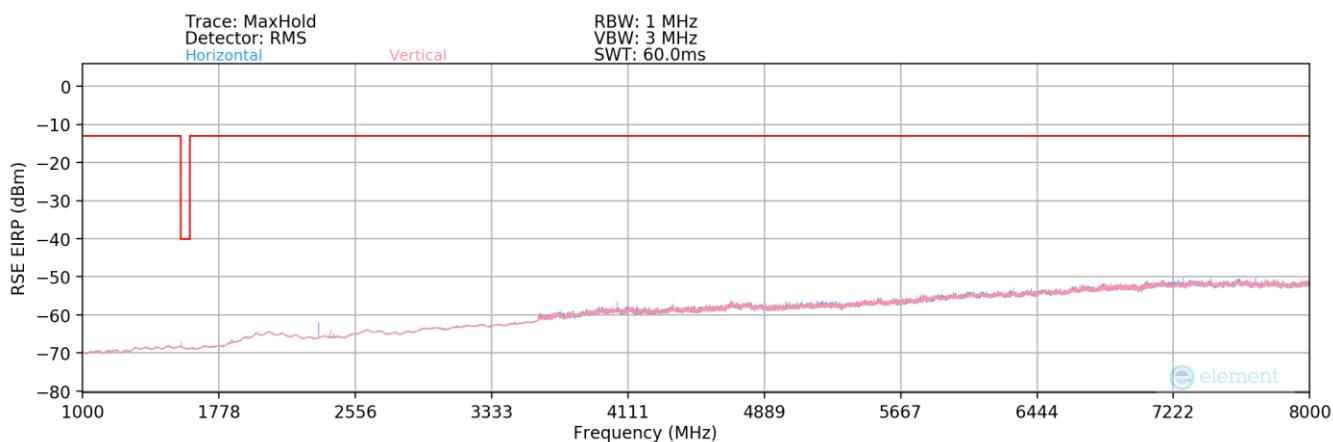
Table 7-78. Radiated Spurious Data (LTE Band 12– High Channel – Ant 5)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
Test Report S/N: 1M2411190103-03-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular				Page 186 of 205

LTE Band 13 – Ant 5



Plot 7-248. Radiated Spurious Plot Below 1GHz (LTE Band 13 – Ant 5)



Plot 7-249. Radiated Spurious Plot Above 1GHz (LTE Band 13 – Ant 5)

Bandwidth (MHz):	10
Frequency (MHz):	782
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
417.00	H	-	-	-108.80	23.93	22.13	-75.27	-13.00	-62.27

Table 7-79. Radiated Spurious Data (LTE Band 13 – Mid Channel – Ant 5)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT						Approved by: Technical Manager
Test Report S/N: 1M2411190103-03-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular					

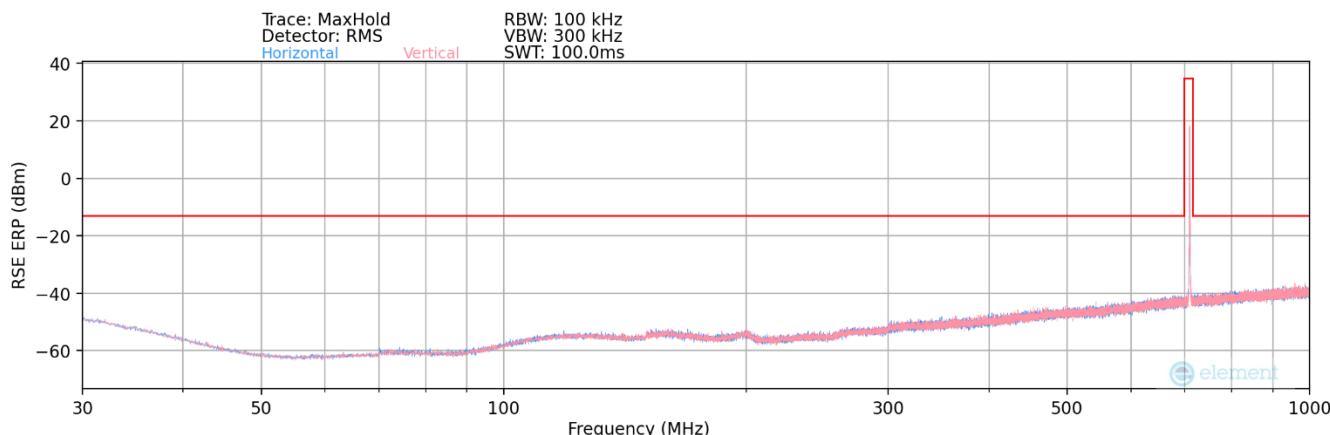
Bandwidth (MHz):	10
Frequency (MHz):	782
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1564.00	H	136	175	-72.87	-6.81	27.32	-67.94	-40.00	-27.94
2346.00	H	142	190	-73.02	-4.05	29.93	-65.33	-13.00	-52.33
3128.00	H	-	-	-76.80	-1.75	28.45	-66.81	-13.00	-53.81
3910.00	H	-	-	-78.53	1.27	29.74	-65.52	-13.00	-52.52
4692.00	H	-	-	-78.15	3.03	31.88	-63.37	-13.00	-50.37

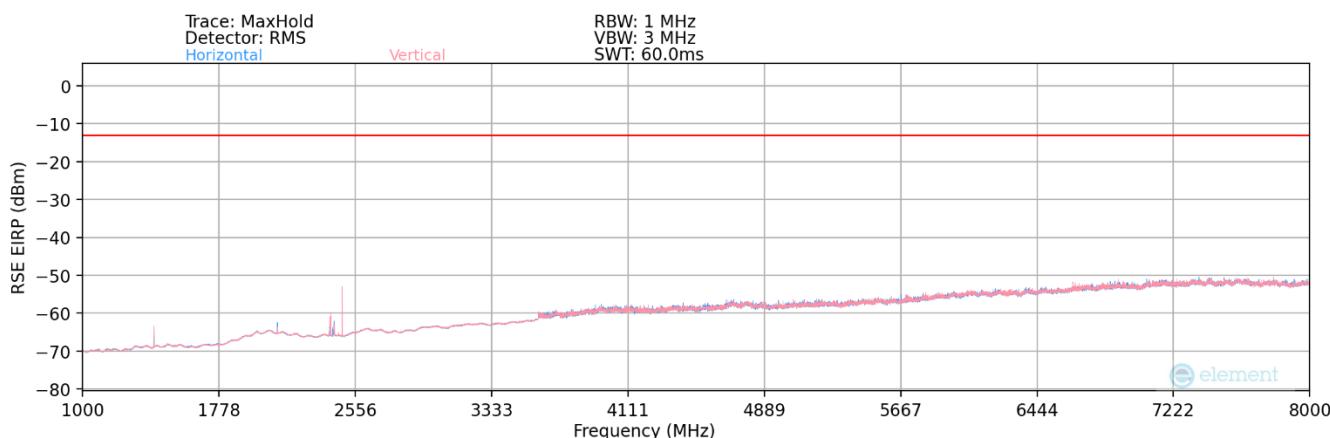
Table 7-80. Radiated Spurious Data (LTE Band 13 – Mid Channel – Ant 5)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2411190103-03-R3.C3K	Test Dates: 12/3/2024 - 2/14/2025	EUT Type: Full Modular		Page 188 of 205

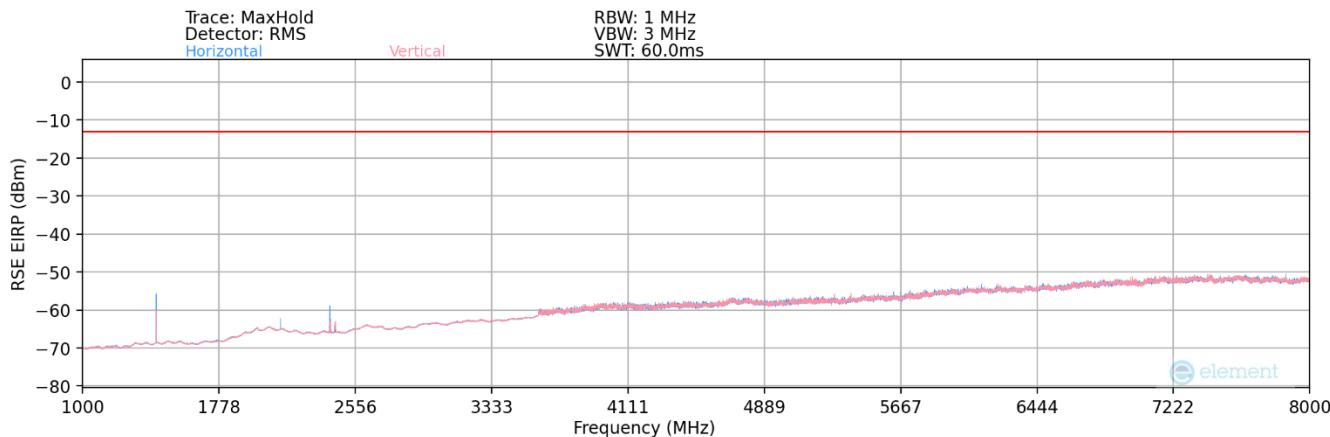
LTE ULCA B12– Ant 5



Plot 7-250. Radiated Spurious Plot Below 1GHz (ULCA LTE Band 12– Ant 5)

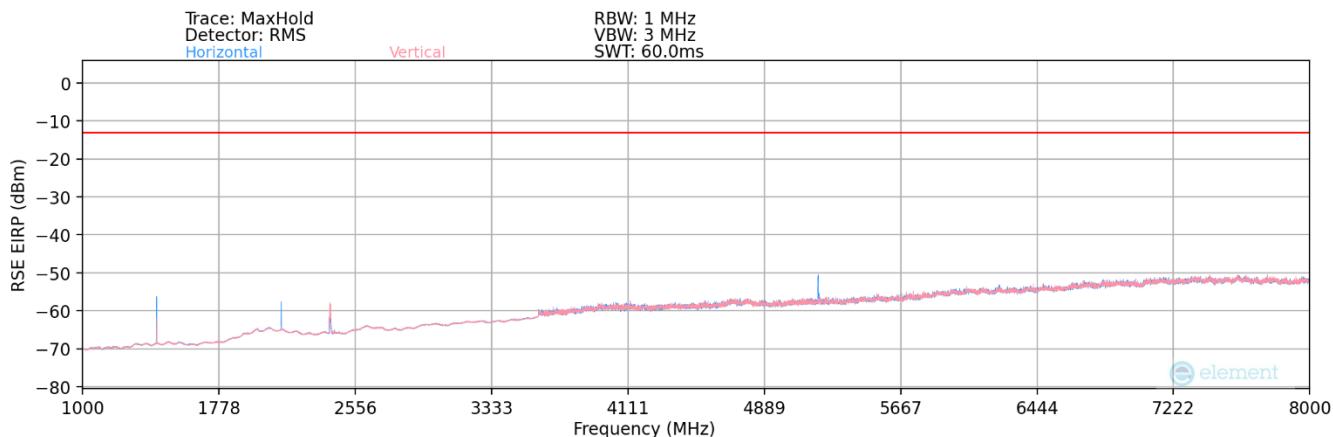


Plot 7-251. Radiated Spurious Plot Above 1GHz (ULCA LTE Band 12– Ant 5)



Plot 7-252. Radiated Spurious Plot Above 1GHz (ULCA LTE Band 12– Ant 5)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-253. Radiated Spurious Plot Above 1GHz (UCLA LTE Band 12– Ant 5)

PCC Bandwidth (MHz):	5
PCC Frequency (MHz):	707.5
PCC RB / Offset:	1 / 24
SCC Bandwidth (MHz):	5
SCC Frequency (MHz):	712.3
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 [dBuV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
200.00	H	-	-	-99.69	20.10	27.41	-69.99	-13.00	-56.99

Table 7-81. Radiated Spurious Data (ULCA LTE Band 12– Mid Channel – Ant 5)

PCC Bandwidth (MHz):	5
PCC Frequency (MHz):	701.5
PCC RB / Offset:	1 / 24
SCC Bandwidth (MHz):	5
SCC Frequency (MHz):	706.3
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 [dBuV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1407.80	H	169	293	-67.39	-7.04	32.57	-62.69	-13.00	-49.69
2111.70	H	240	252	-71.96	-2.89	32.15	-63.11	-13.00	-50.11
2815.60	H	-	-	-78.07	-3.05	25.88	-69.38	-13.00	-56.38
3519.50	H	-	-	-77.91	-0.36	28.73	-66.53	-13.00	-53.53
4223.40	H	-	-	-78.23	1.50	30.27	-64.99	-13.00	-51.99

Table 7-82. Radiated Spurious Data (ULCA LTE Band 12– Low Channel – Ant 5)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
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PCC Bandwidth (MHz):	5
PCC Frequency (MHz):	707.5
PCC RB / Offset:	1 / 24
SCC Bandwidth (MHz):	5
SCC Frequency (MHz):	712.3
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 [dBuV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1419.80	H	186	63	-58.33	-7.00	41.67	-53.59	-13.00	-40.59
2129.70	H	141	191	-67.92	-2.98	36.10	-59.16	-13.00	-46.16
2839.60	H	-	-	-77.51	-2.73	26.76	-68.50	-13.00	-55.50
3549.50	H	-	-	-77.88	-0.19	28.93	-66.33	-13.00	-53.33
4259.40	H	-	-	-78.38	1.66	30.28	-64.98	-13.00	-51.98

Table 7-83. Radiated Spurious Data (ULCA LTE Band 12– Mid Channel – Ant 5)

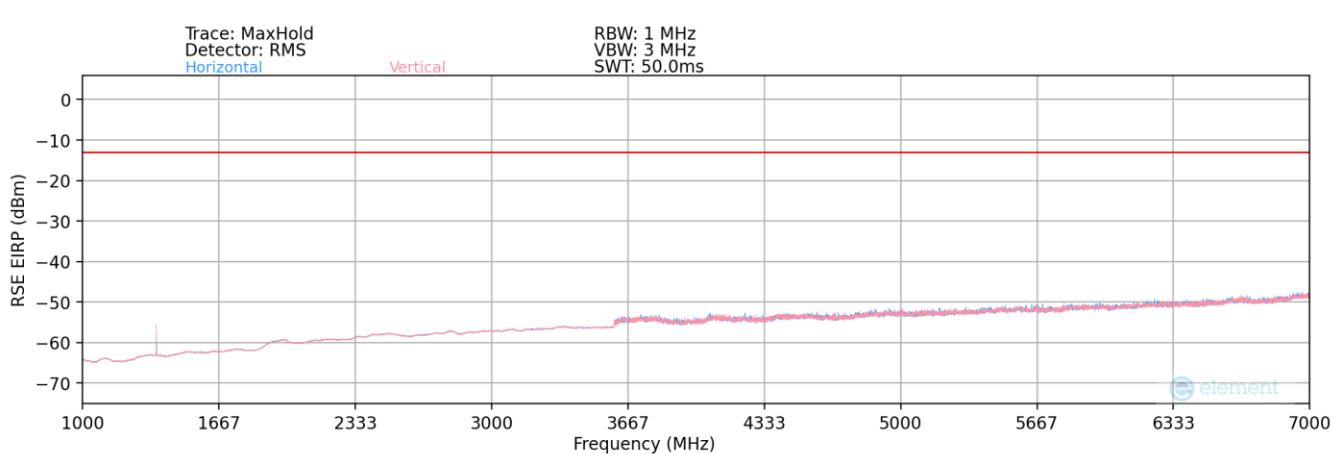
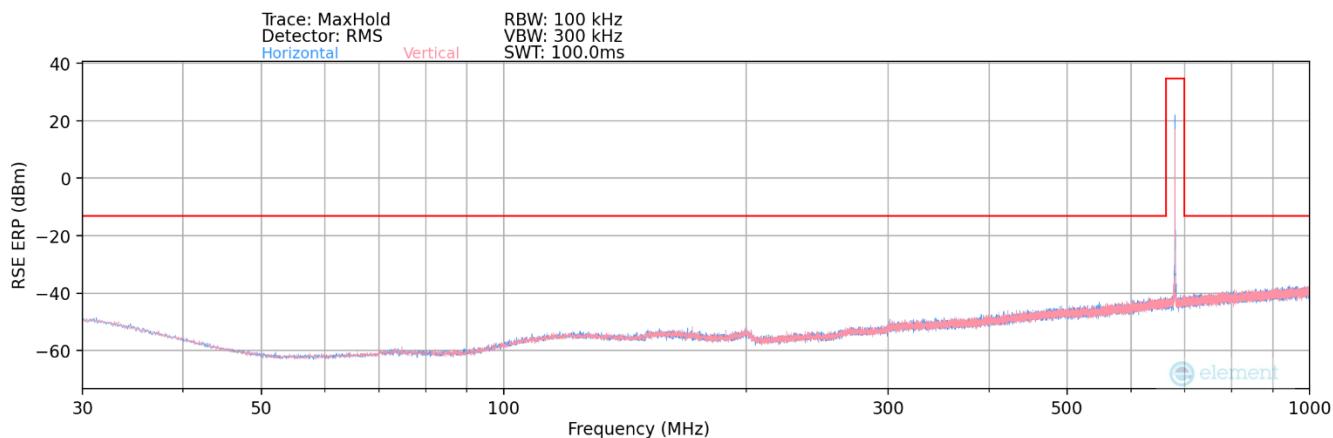
PCC Bandwidth (MHz):	5
PCC Frequency (MHz):	713.5
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	5
SCC Frequency (MHz):	708.7
SCC RB / Offset:	1 / 24

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1422.20	H	285	291	-61.50	-6.99	38.51	-56.75	-13.00	-43.75
2133.30	H	178	161	-64.69	-3.01	39.30	-55.96	-13.00	-42.96
2844.40	H	-	-	-77.47	-2.71	26.82	-68.44	-13.00	-55.44
3555.50	H	-	-	-78.09	-0.14	28.77	-66.49	-13.00	-53.49
4266.60	H	-	-	-78.27	1.70	30.43	-64.82	-13.00	-51.82

Table 7-84. Radiated Spurious Data (ULCA LTE Band 12– High Channel – Ant 5)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT				Approved by: Technical Manager
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NR Band n71 – Ant 5



Bandwidth (MHz):	20
Frequency (MHz):	680.5
RB / Offset:	1 / 53

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
300.00	H	-	-	-99.45	21.22	28.77	-68.64	-13.00	-55.64

Table 7-85. Radiated Spurious Data (NR Band n71 – Mid Channel – Ant 5)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
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Bandwidth (MHz):	20
Frequency (MHz):	673
RB / Offset:	1 / 53

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1346.00	H	270	56	-58.99	-2.27	45.74	-49.52	-13.00	-36.52
2019.00	H	129	19	-77.92	1.23	30.31	-64.95	-13.00	-51.95
2692.00	H	-	-	-78.61	3.05	31.44	-63.82	-13.00	-50.82
3365.00	H	-	-	-78.99	4.88	32.89	-62.37	-13.00	-49.37
4038.00	H	-	-	-79.99	5.12	32.13	-63.13	-13.00	-50.13

Table 7-86. Radiated Spurious Data (NR Band n71 – Low Channel – Ant 5)

Bandwidth (MHz):	20
Frequency (MHz):	680.5
RB / Offset:	1 / 53

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1361.00	H	211	67	-61.88	-2.35	42.77	-52.49	-13.00	-39.49
2041.50	H	-	-	-78.18	1.05	29.87	-65.39	-13.00	-52.39
2722.00	H	-	-	-78.77	3.42	31.65	-63.60	-13.00	-50.60
3402.50	H	-	-	-78.99	4.60	32.61	-62.64	-13.00	-49.64

Table 7-87. Radiated Spurious Data (NR Band n71 – Mid Channel – Ant 5)

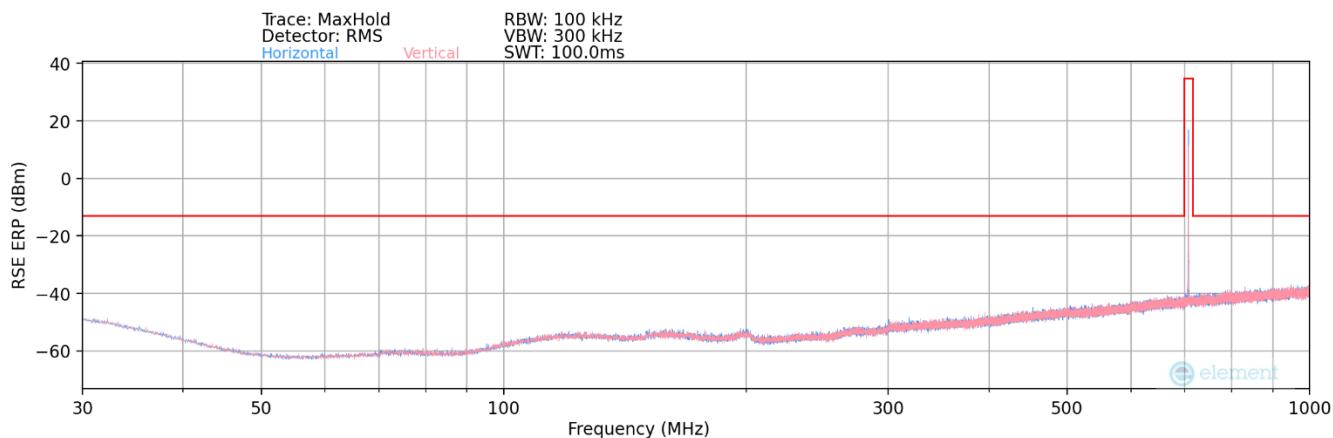
Bandwidth (MHz):	20
Frequency (MHz):	688
RB / Offset:	1 / 53

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1376.00	H	137	69	-61.91	-2.47	42.62	-52.63	-13.00	-39.63
2064.00	H	189	272	-74.38	0.93	33.55	-61.71	-13.00	-48.71
2752.00	H	-	-	-78.76	3.33	31.57	-63.68	-13.00	-50.68
3440.00	H	-	-	-78.60	4.49	32.89	-62.37	-13.00	-49.37
4128.00	H	-	-	-80.15	5.84	32.69	-62.57	-13.00	-49.57

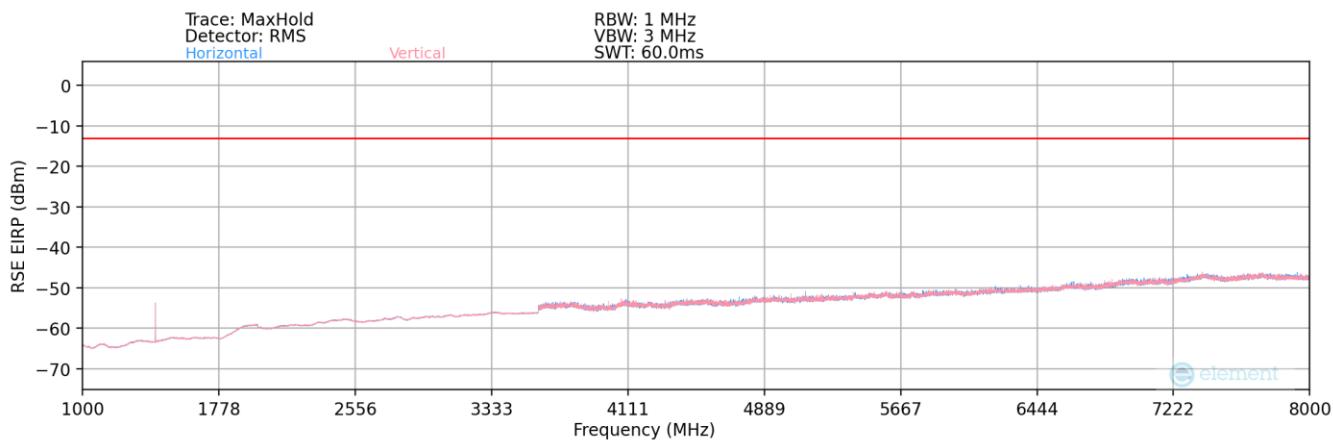
Table 7-88. Radiated Spurious Data (NR Band n71 – High Channel – Ant 5)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT						Approved by: Technical Manager
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NR Band n12 – Ant 5



Plot 7-256. Radiated Spurious Plot Below 1GHz (NR Band n12 – Ant 5)



Plot 7-257. Radiated Spurious Plot Above 1GHz (NR Band n12 – Ant 5)

Bandwidth (MHz):	15
Frequency (MHz):	708.5
RB / Offset:	1 / 39

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
300.00	H	-	-	-99.46	21.22	28.76	-68.65	-13.00	-55.65

Table 7-89. Radiated Spurious Data (NR Band n12 – Mid Channel – Ant 5)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
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Bandwidth (MHz):	15
Frequency (MHz):	706.5
RB / Offset:	1 / 39

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1413.00	H	306	52	-60.37	-2.67	43.96	-51.30	-13.00	-38.30
2119.50	H	276	358	-75.38	1.54	33.16	-62.09	-13.00	-49.09
2826.00	H	-	-	-78.76	3.49	31.73	-63.53	-13.00	-50.53
3532.50	H	-	-	-78.75	4.41	32.66	-62.60	-13.00	-49.60
4239.00	H	-	-	-79.33	5.61	33.28	-61.97	-13.00	-48.97

Table 7-90. Radiated Spurious Data (NR Band n12 – Low Channel – Ant 5)

Bandwidth (MHz):	15
Frequency (MHz):	707.5
RB / Offset:	1 / 39

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1415.00	H	376	49	-61.50	-2.65	42.85	-52.41	-13.00	-39.41
2122.50	H	316	351	-75.46	1.56	33.10	-62.15	-13.00	-49.15
2830.00	H	-	-	-78.83	3.39	31.56	-63.70	-13.00	-50.70
3537.50	H	-	-	-78.65	4.43	32.78	-62.48	-13.00	-49.48
4245.00	H	-	-	-79.24	5.54	33.30	-61.96	-13.00	-48.96

Table 7-91. Radiated Spurious Data (NR Band n12 – Mid Channel – Ant 5)

Bandwidth (MHz):	15
Frequency (MHz):	708.5
RB / Offset:	1 / 39

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1417.00	H	310	42	-62.11	-2.63	42.26	-52.99	-13.00	-39.99
2125.50	H	165	64	-77.15	1.59	31.44	-63.82	-13.00	-50.82
2834.00	H	-	-	-78.11	3.29	32.18	-63.07	-13.00	-50.07
3542.50	H	-	-	-78.69	4.47	32.78	-62.48	-13.00	-49.48
4251.00	H	-	-	-79.32	5.47	33.15	-62.11	-13.00	-49.11

Table 7-92. Radiated Spurious Data (NR Band n12 – High Channel – Ant 5)

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT					Approved by: Technical Manager
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7.8 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

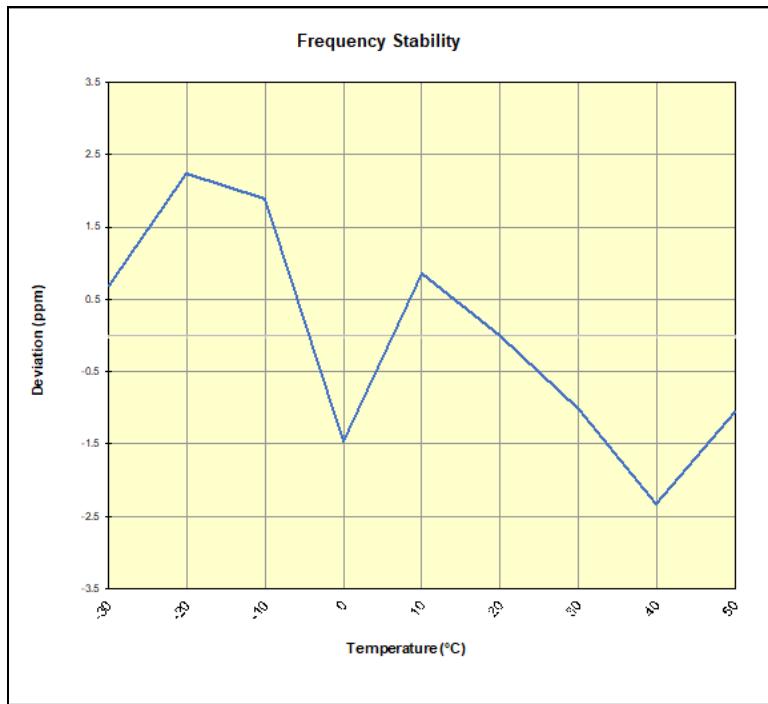
None

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Frequency Stability / Temperature Variation

LTE Band 71					
		Operating Frequency (Hz):		680,500,000	
		Ref. Voltage (VDC):		3.85	
		Deviation Limit:		$\pm 0.00025\%$ or 2.5 ppm	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.85	-30	680,503,846	474	0.0000696
		-20	680,504,896	1,523	0.0002238
		-10	680,504,664	1,291	0.0001897
		0	680,502,379	-993	-0.0001460
		+10	680,503,957	585	0.0000859
		+20 (Ref)	680,503,372	0	0.0000000
		+30	680,502,673	-699	-0.0001027
		+40	680,501,787	-1,585	-0.0002330
		+50	680,502,653	-720	-0.0001058
		Battery Endpoint	2.80	+20	680,503,296
				-76	-0.0000112

Table 7-93. LTE Band 71 Frequency Stability Data



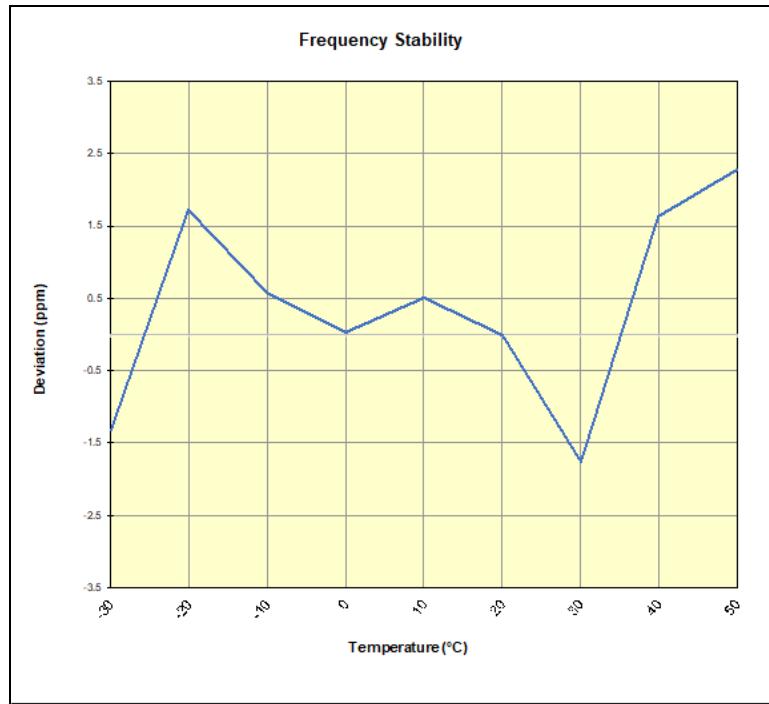
Plot 7-258. LTE Band 71 Frequency Stability Chart

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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Frequency Stability / Temperature Variation

LTE Band 12					
		Operating Frequency (Hz):		707,500,000	
		Ref. Voltage (VDC):		3.85	
		Deviation Limit:		$\pm 0.00025\%$ or 2.5 ppm	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.85	- 30	707,504,372	-927	-0.0001310
		- 20	707,506,514	1,215	0.0001717
		- 10	707,505,713	414	0.0000585
		0	707,505,314	15	0.0000021
		+ 10	707,505,664	365	0.0000515
		+ 20 (Ref)	707,505,299	0	0.0000000
		+ 30	707,504,060	-1,239	-0.0001751
		+ 40	707,506,458	1,159	0.0001638
		+ 50	707,506,909	1,610	0.0002275
		Battery Endpoint	2.80	+ 20	707,505,608
				309	0.0000437

Table 7-94. LTE Band 12 Frequency Stability Data



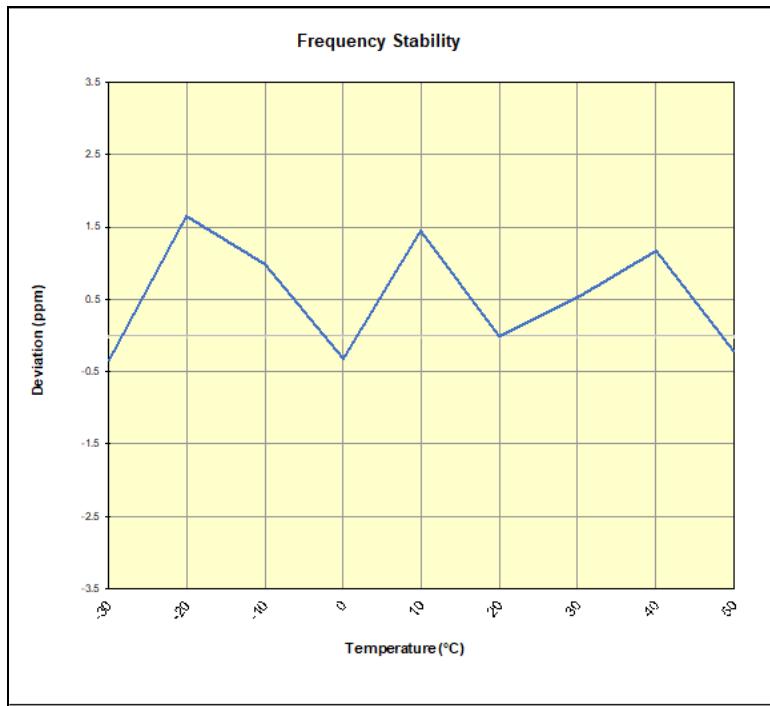
Plot 7-259. LTE Band 12 Frequency Stability Chart

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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Frequency Stability / Temperature Variation

LTE Band 13					
		Operating Frequency (Hz):		782,000,000	
		Ref. Voltage (VDC):		3.85	
		Deviation Limit:		$\pm 0.00025\%$ or 2.5 ppm	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.85	- 30	782,004,477	-271	-0.0000347
		- 20	782,006,032	1,284	0.0001641
		- 10	782,005,527	779	0.0000996
		0	782,004,490	-258	-0.0000330
		+ 10	782,005,884	1,137	0.0001453
		+ 20 (Ref)	782,004,748	0	0.0000000
		+ 30	782,005,153	405	0.0000518
		+ 40	782,005,669	921	0.0001177
		+ 50	782,004,582	-166	-0.0000212
		Battery Endpoint	2.80	+ 20	782,006,081
				1,333	0.0001704

Table 7-95. LTE Band 13 Frequency Stability Data



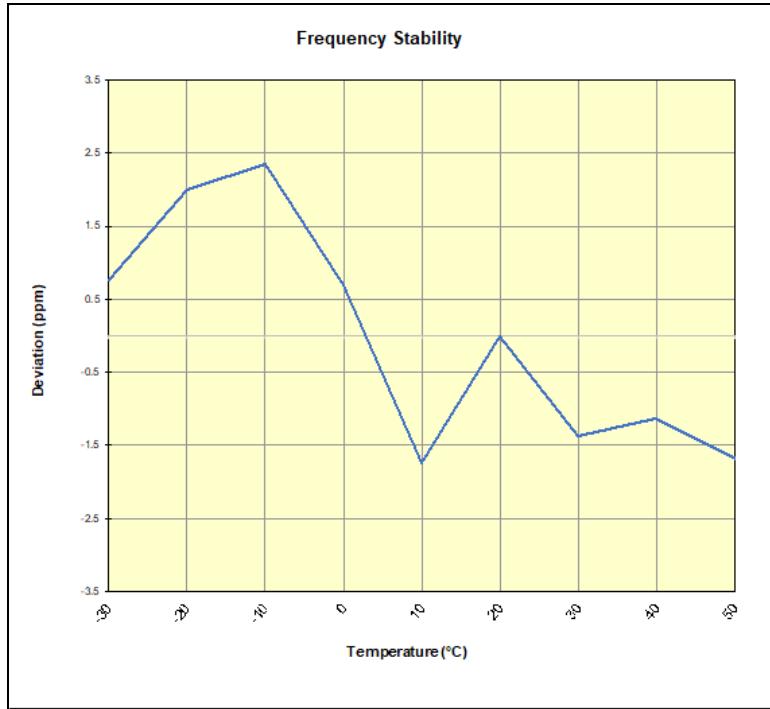
Plot 7-260. LTE Band 13 Frequency Stability Chart

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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Frequency Stability / Temperature Variation

NR Band n71					
		Operating Frequency (Hz):		680,500,000	
		Ref. Voltage (VDC):		3.85	
		Deviation Limit:		$\pm 0.00025\%$ or 2.5 ppm	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.85	- 30	680,490,820	518	0.0000762
		- 20	680,491,662	1,360	0.0001999
		- 10	680,491,901	1,599	0.0002350
		0	680,490,778	477	0.0000700
		+ 10	680,489,120	-1,181	-0.0001736
		+ 20 (Ref)	680,490,302	0	0.0000000
		+ 30	680,489,363	-938	-0.0001379
		+ 40	680,489,532	-770	-0.0001131
		+ 50	680,489,153	-1,149	-0.0001688
Battery Endpoint	2.80	+ 20	680,489,035	-1,266	-0.0001861

Table 7-96. NR Band n71 Frequency Stability Data



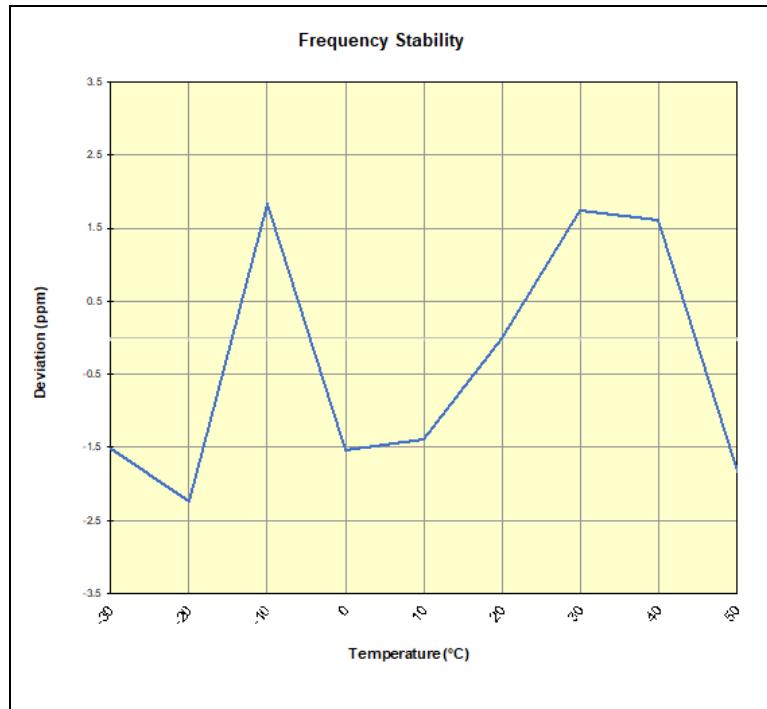
Plot 7-261. NR Band n71 Frequency Stability Chart

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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Frequency Stability / Temperature Variation

NR Band n12					
		Operating Frequency (Hz):		707,500,000	
		Ref. Voltage (VDC):		3.85	
		Deviation Limit:		± 0.00025% or 2.5 ppm	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.85	- 30	707,492,651	-1,069	-0.0001511
		- 20	707,492,138	-1,582	-0.0002236
		- 10	707,495,019	1,299	0.0001836
		0	707,492,628	-1,092	-0.0001544
		+ 10	707,492,733	-987	-0.0001395
		+ 20 (Ref)	707,493,720	0	0.0000000
		+ 30	707,494,947	1,227	0.0001734
		+ 40	707,494,867	1,147	0.0001622
		+ 50	707,492,418	-1,302	-0.0001840
		Battery Endpoint	2.80	+ 20	707,493,749
				29	0.0000042

Table 7-97. NR Band n12 Frequency Stability Data



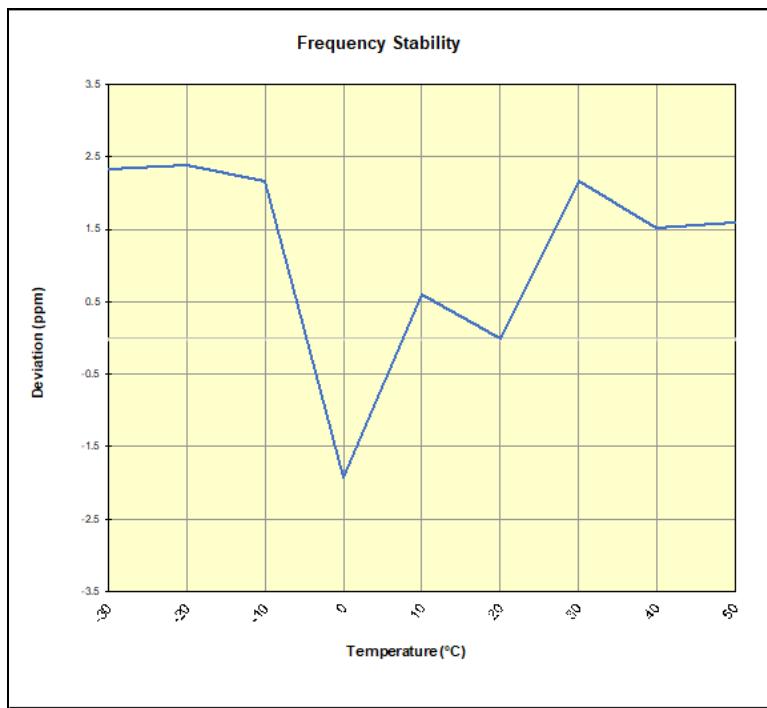
Plot 7-262. NR Band n12 Frequency Stability Chart

FCC ID: C3K2114	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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Frequency Stability / Temperature Variation

WCDMA AWS					
		Operating Frequency (Hz): 1,732,600,000			
		Ref. Voltage (VDC): 3.85			
		Deviation Limit: ± 0.00025% or 2.5 ppm			
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.85	- 30	1,732,563,587	4,055	0.0002340
		- 20	1,732,563,654	4,122	0.0002379
		- 10	1,732,563,293	3,760	0.0002170
		0	1,732,556,193	-3,339	-0.0001927
		+ 10	1,732,560,584	1,051	0.0000607
		+ 20 (Ref)	1,732,559,532	0	0.0000000
		+ 30	1,732,563,287	3,754	0.0002167
		+ 40	1,732,562,157	2,624	0.0001515
		+ 50	1,732,562,295	2,763	0.0001595
		Battery Endpoint	2.80	+ 20	1,732,559,859
				327	0.0000189

Table 7-98. WCDMA AWS Frequency Stability Data



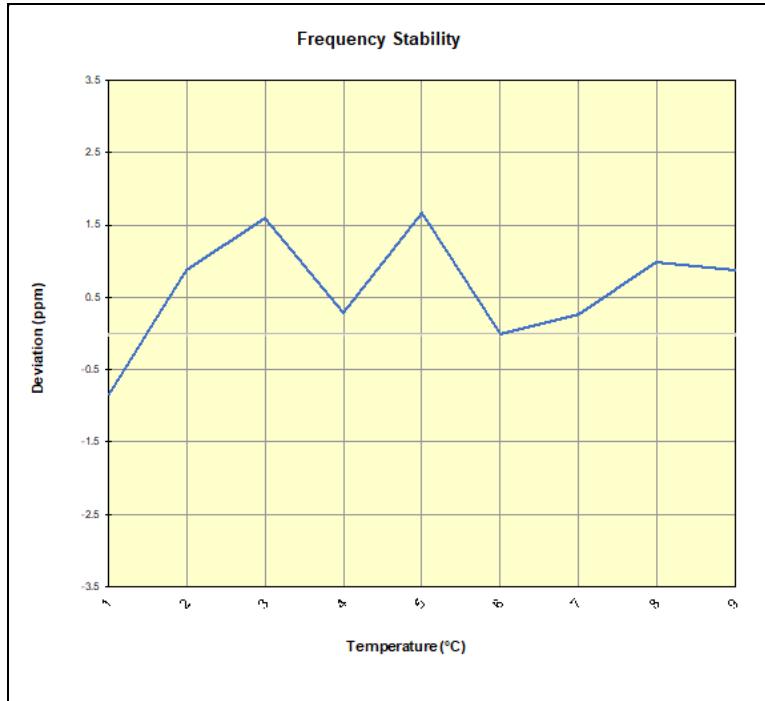
Plot 7-263. WCDMA AWS Frequency Stability Chart

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Frequency Stability / Temperature Variation

LTE Band 66/4					
		Operating Frequency (Hz):	1,745,000,000		
		Ref. Voltage (VDC):	3.85		
		Deviation Limit:	$\pm 0.00025\%$ or 2.5 ppm		
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.85	- 30	1,745,009,116	-1,446	-0.0000829
		- 20	1,745,012,083	1,521	0.0000872
		- 10	1,745,013,358	2,796	0.0001602
		0	1,745,011,049	487	0.0000279
		+ 10	1,745,013,488	2,926	0.0001677
		+ 20 (Ref)	1,745,010,562	0	0.0000000
		+ 30	1,745,011,042	480	0.0000275
		+ 40	1,745,012,281	1,719	0.0000985
		+ 50	1,745,012,086	1,524	0.0000873
Battery Endpoint	2.80	+ 20	1,745,012,383	1,821	0.0001044

Table 7-99. LTE Band 66/4 Frequency Stability Data



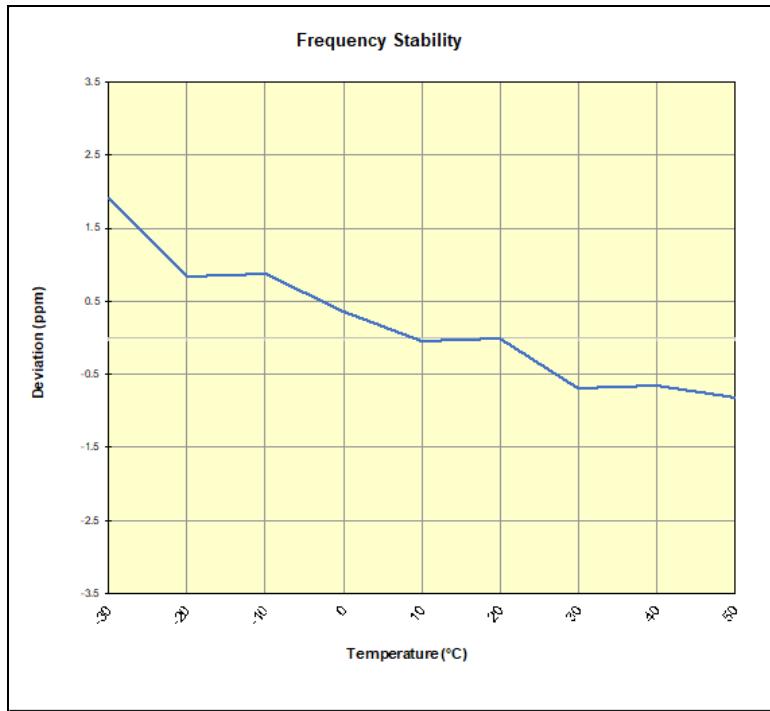
Plot 7-264. LTE Band 66/4 Frequency Stability Chart

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Frequency Stability / Temperature Variation

NR Band n66					
		Operating Frequency (Hz):		1,745,000,000	
		Ref. Voltage (VDC):		3.85	
		Deviation Limit:		± 0.00025% or 2.5 ppm	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.85	- 30	1,744,995,431	3,341	0.0001914
		- 20	1,744,993,551	1,460	0.0000837
		- 10	1,744,993,636	1,546	0.0000886
		0	1,744,992,716	626	0.0000359
		+ 10	1,744,992,022	-69	-0.0000039
		+ 20 (Ref)	1,744,992,091	0	0.0000000
		+ 30	1,744,990,872	-1,218	-0.0000698
		+ 40	1,744,990,964	-1,126	-0.0000645
		+ 50	1,744,990,652	-1,439	-0.0000825
		Battery Endpoint	2.80	+ 20	1,744,991,449
				-642	-0.0000368

Table 7-100. NR Band n66 Frequency Stability Data



Plot 7-265. NR Band n66 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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