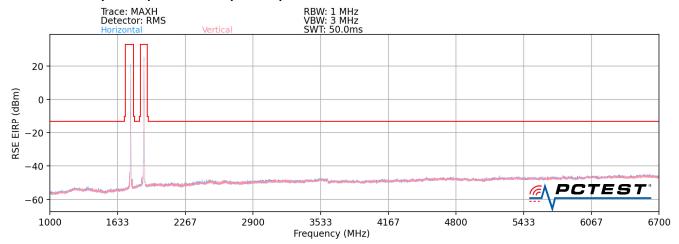
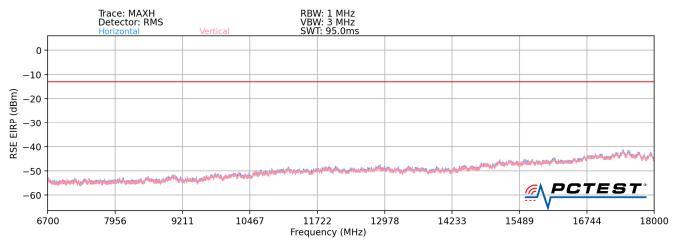


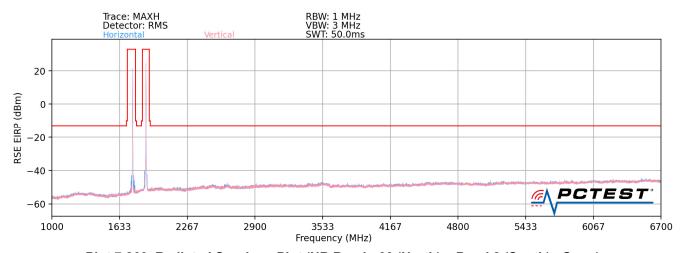
### NR Band 66 (North) - Band 2 (South)



Plot 7-276. Radiated Spurious Plot (NR Band n66 (North) – Band 2 (South) – Half-Open)



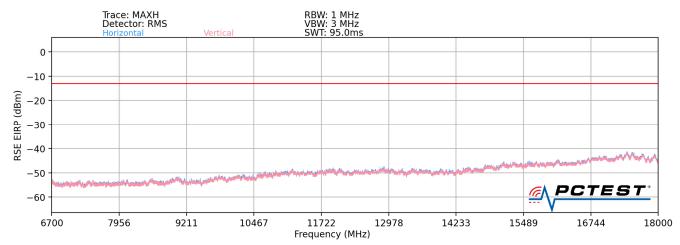
Plot 7 260. Radiated Spurious Plot (NR Band n66 (North) - Band 2 (South)- Half-Open)



Plot 7 260. Radiated Spurious Plot (NR Band n66 (North) - Band 2 (South)- Open)

FCC ID: C3K1995 IC: 3048A-1995	PROME to be post of @ element	PART 27 / RSS-130 / RSS-139 MEASUREMENT REPORT  Microsoft	Approved by: Technical Manager
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Plot 7 260. Radiated Spurious Plot (NR Band n66 (North) - Band 2 (South)- Open)

Bandwidth (MHz):	40MHz/20MHz
Frequency (MHz):	1745 & 1880
RB / Offset:	1/108 & 1/50
Mode:	EN-DC
Anchor Band:	LTE BAND 2

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1070.0	Н	-	-	-76.36	4.36	35.00	-60.26	-13.00	-47.26
1475.0	Н	-	-	-77.18	5.71	35.53	-59.72	-13.00	-46.72
1610.0	Н	-	-	-77.42	6.30	35.88	-59.37	-13.00	-46.37
4968.2	Н	-	-	-78.51	14.68	43.17	-52.09	-13.00	-39.09

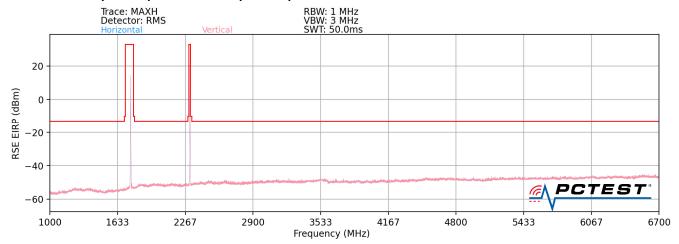
Table 7-52. Radiated Spurious Data (NR Band n66 (North) – Band 2 (South)– Half-Open)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST* Provid to be post of @ element	PART 27 / RSS-130 / RSS-139 MEASUREMENT REPORT	Microsoft	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:		Page 189 of 215	
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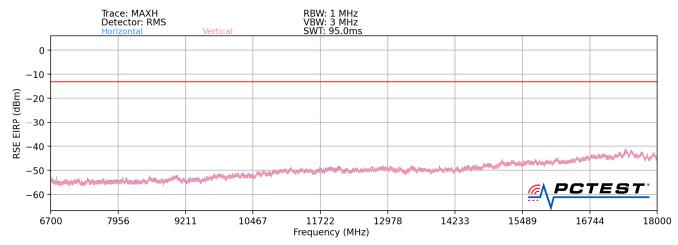
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### NR Band 66 (North) - Band 30 (South)



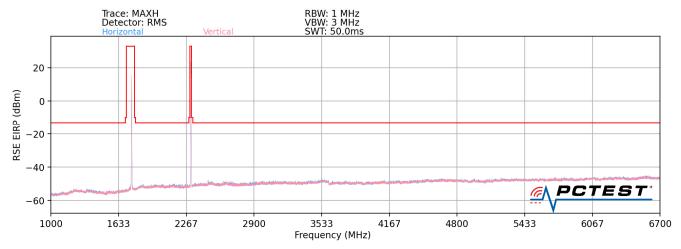
Plot 7-277. Radiated Spurious Plot (NR Band n66 (North) - Band 30 (South)- Closed)



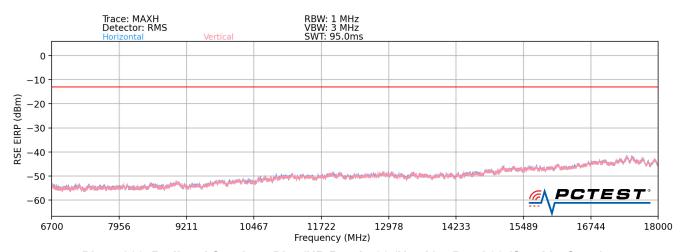
Plot 7 260. Radiated Spurious Plot (NR Band n66 (North) - Band 30 (South)- Closed)

FCC ID: C3K1995 IC: 3048A-1995	PART 27 / RSS-130 / RSS-139 MEASUREMENT REPORT		Microsoft	Approved by: Technical Manager
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Plot 7 260. Radiated Spurious Plot (NR Band n66 (North) - Band 30 (South)- Open)



Plot 7 260. Radiated Spurious Plot (NR Band n66 (North) - Band 30 (South)- Open)

Bandwidth (MHz):	40MHz/10MHz
Frequency (MHz):	1745 & 2310
RB / Offset:	1/108 & 1/25
Mode:	EN-DC
Anchor Band:	LTE Band 30

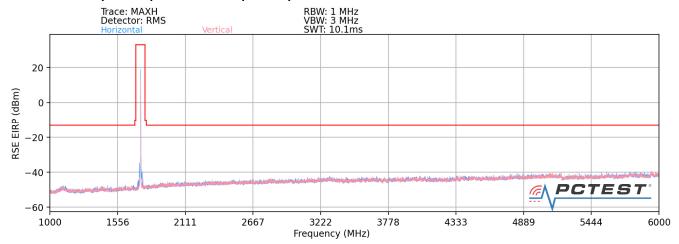
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1080.0	V	-	-	-76.59	4.54	34.95	-60.31	-13.00	-47.31
1180.0	V	-	-	-76.37	5.85	36.48	-58.78	-13.00	-45.78
1645.0	V	-	-	-77.80	6.51	35.71	-59.55	-13.00	-46.55
6930.0	V	-	-	-83.24	15.59	39.35	-55.91	-13.00	-42.91

Table 7-53. Radiated Spurious Data (NR Band n66 (North) - Band 30 (South)- Closed)

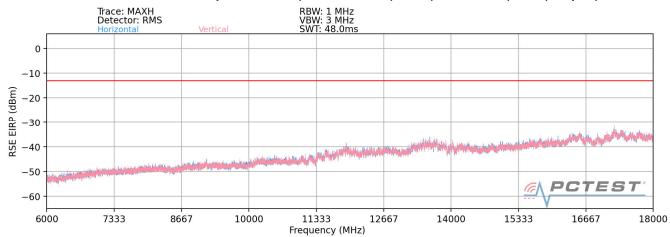
FCC ID: C3K1995 IC: 3048A-1995	PROVED TO DO	PART 27 / RSS-130 / RSS-139 MEASUREMENT REPORT  Microsoft	Approved by: Technical Manager
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### NR Band 66 (South) - Band 12 (North)



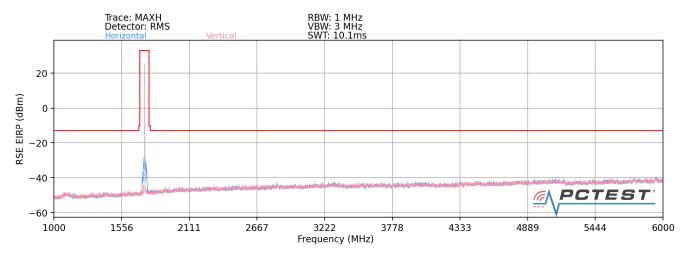
Plot 7-278. Radiated Spurious Plot (NR Band n66 (South) - Band 12 (North)- Open)



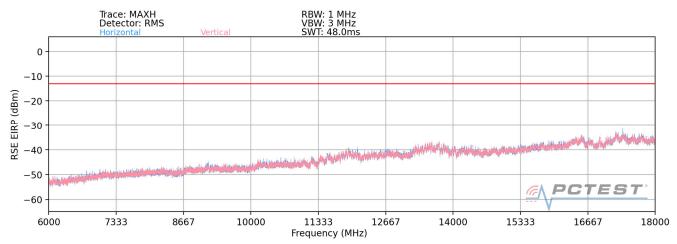
Plot 7 260. Radiated Spurious Plot (NR Band n66 (South) - Band 12 (North)- Open)

FCC ID: C3K1995 IC: 3048A-1995	Provide to be provided (@ element	PART 27 / RSS-130 / RSS-139 MEASUREMENT REPORT  Microsoft	Approved by: Technical Manager	
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Plot 7 260. Radiated Spurious Plot (NR Band n66 (South) - Band 12 (North)- Closed)



Plot 7 260. Radiated Spurious Plot (NR Band n66 (South) - Band 12 (North)- Closed)

Bandwidth (MHz):	40MHz/10MHz
Frequency (MHz):	1745 & 707.5
RB / Offset:	1/108 & 1/25
Mode:	EN-DC
Anchor Band:	LTE BAND 12

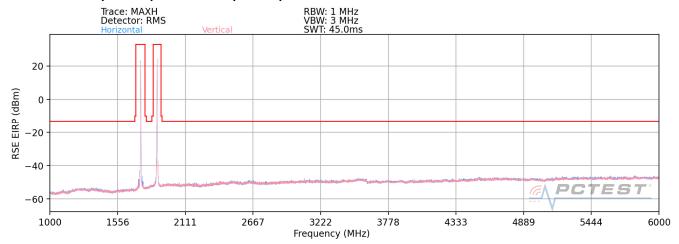
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1367.5	Н	-	-	-78.71	8.60	36.89	-58.37	-13.00	-45.37
2405.0	Н	-	-	-79.71	13.79	41.08	-54.18	-13.00	-41.18
2782.5	Н	-	-	-80.41	15.11	41.70	-53.56	-13.00	-40.56
3442.5	Н	-	-	-80.76	16.09	42.33	-52.93	-13.00	-39.93

Table 7-54. Radiated Spurious Data (NR Band n66 (South) - Band 12 (North)- Open)

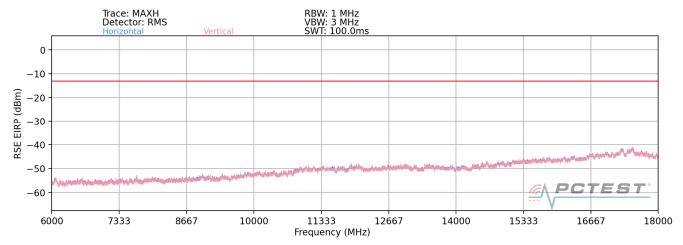
FCC ID: C3K1995 IC: 3048A-1995	PROVED TO DO	PART 27 / RSS-130 / RSS-139 MEASUREMENT REPORT  Microsoft	Approved by: Technical Manager
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# NR Band 66 (South) - Band 2 (North)



Plot 7-279. Radiated Spurious Plot (NR Band n66 (South) - Band 2 (North)- Open)



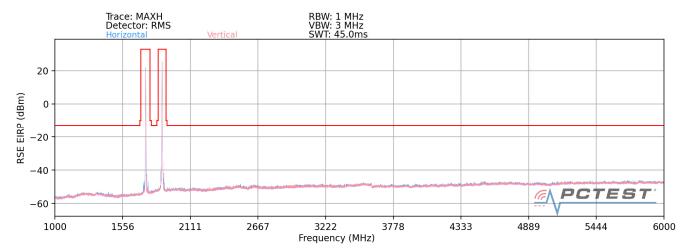
Plot 7 260. Radiated Spurious Plot (NR Band n66 (South) - Band 2 (North)- Open)

FCC ID: C3K1995 IC: 3048A-1995	PROXE to be post of @ element	PART 27 / RSS-130 / RSS-139 MEASUREMENT REPORT  Microsoft	Approved by: Technical Manager
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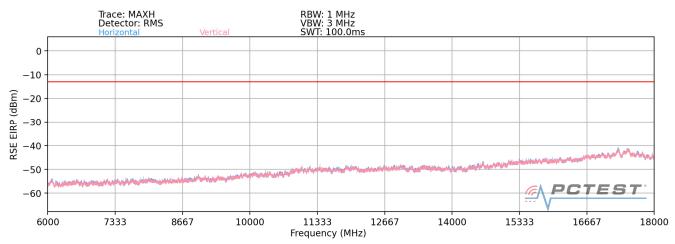
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Plot 7 260. Radiated Spurious Plot (NR Band n66 (South) - Band 2 (North)- Closed)



Plot 7 260. Radiated Spurious Plot (NR Band n66 (South) - Band 2 (North)- Closed)

Bandwidth (MHz):	40MHz/20MHz
Frequency (MHz):	1745 & 1880
RB / Offset:	1/108 & 1/50
Mode:	EN-DC
Anchor Band:	LTE BAND 2

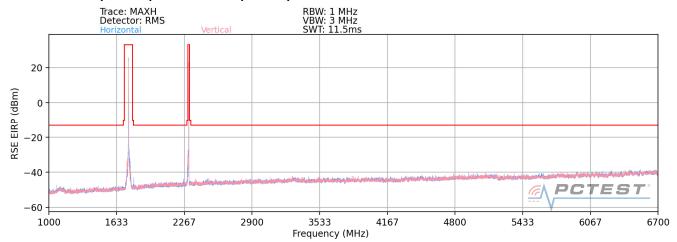
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1070.0	Н	-	-	-76.23	4.36	35.13	-60.13	-13.00	-47.13
1475.0	Н	-	-	-76.61	5.71	36.10	-59.15	-13.00	-46.15
1610.0	Н	-	-	-76.93	6.30	36.37	-58.88	-13.00	-45.88
4968.2	Н	-	-	-78.69	14.68	42.99	-52.27	-13.00	-39.27

Table 7-55. Radiated Spurious Data (NR Band n66 (South) - Band 2 (North)- Open)

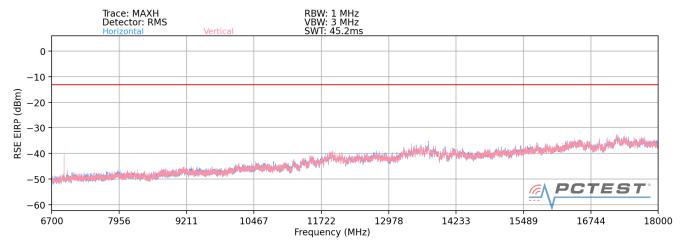
FCC ID: C3K1995 IC: 3048A-1995	Perual to be post of @element	PART 27 / RSS-130 / RSS-139 MEASUREMENT REPORT	Microsoft	Approved by: Technical Manager
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# NR Band 66 (South) - Band 30 (North)



Plot 7-280. Radiated Spurious Plot (NR Band n66 (South) - Band 30 (North)- Open)



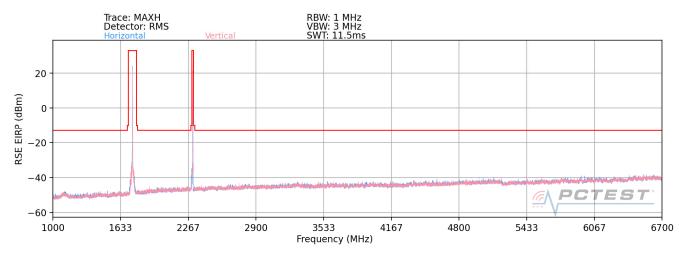
Plot 7 260. Radiated Spurious Plot (NR Band n66 (South) - Band 30 (North)- Open)

FCC ID: C3K1995 IC: 3048A-1995	PROCEEST*	PART 27 / RSS-130 / RSS-139 MEASUREMENT REPORT  Microsoft	Approved by: Technical Manager
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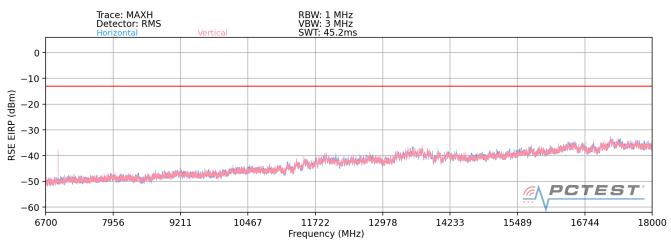
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Plot 7 260. Radiated Spurious Plot (NR Band n66 (South) - Band 30 (North)- Closed)



Plot 7 260. Radiated Spurious Plot (NR Band n66 (South) - Band 30 (North)- Closed)

Bandwidth (MHz):	40MHz/10MHz
Frequency (MHz):	1745 & 2310
RB / Offset:	1/108 & 1/25
Mode:	EN-DC
Anchor Band:	LTE Band 30

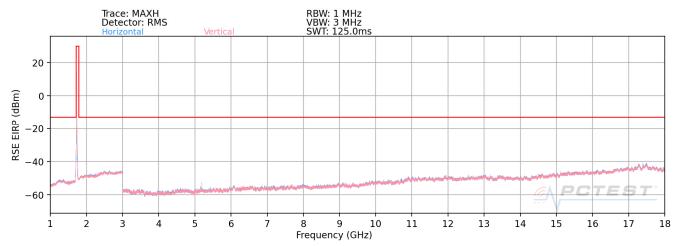
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1080.0	V	-	-	-78.23	8.45	37.22	-58.04	-13.00	-45.04
1180.0	V	-	-	-78.20	8.08	36.88	-58.38	-13.00	-45.38
1645.0	V	-	-	-79.04	9.86	37.82	-57.44	-13.00	-44.44
6930.0	V	144	37	-73.37	15.59	49.22	-46.04	-13.00	-33.04

Table 7-56. Radiated Spurious Data (NR Band n66 (South) - Band 30 (North)- Open)

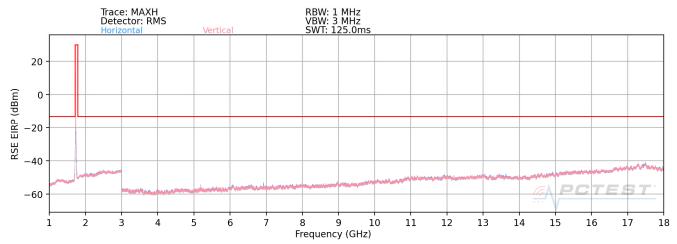
FCC ID: C3K1995 IC: 3048A-1995	PCTEST* Provid to be post of @element	PART 27 / RSS-130 / RSS-139 MEASUREMENT REPORT	Microsoft	Approved by: Technical Manager
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# Uplink CA LTE Band 66B/C - North



Plot 7-281. Radiated Spurious Plot (ULCA LTE Band 66 - Low Channel - North - Closed)

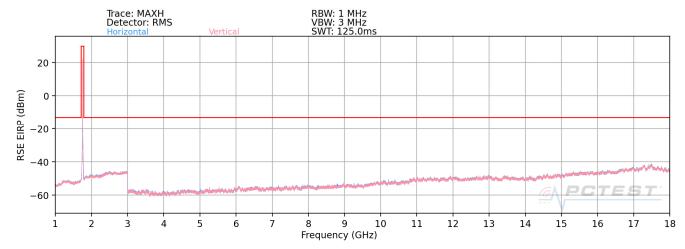


Plot 7-282. Radiated Spurious Plot (ULCA LTE Band 66 - Low Channel - North - Open)

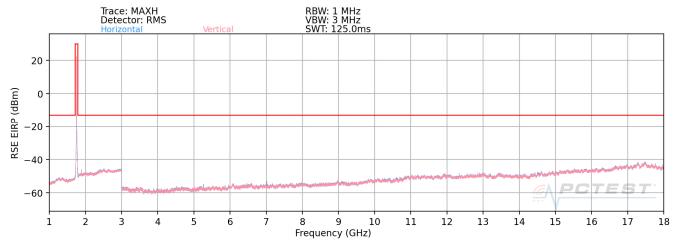
FCC ID: C3K1995 IC: 3048A-1995	Post of the spect of the cleaners	PART 27 / RSS-130 / RSS-139 MEASUREMENT REPORT	Microsoft	Approved by: Technical Manager
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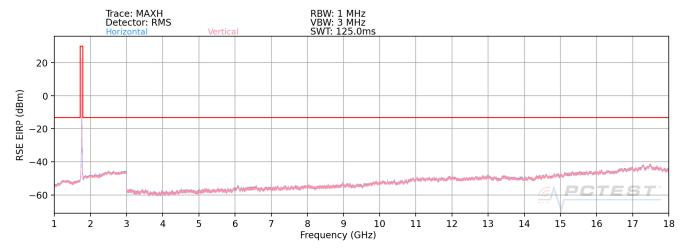
Plot 7-283. Radiated Spurious Plot (ULCA LTE Band 66 - Mid Channel - North - Closed)



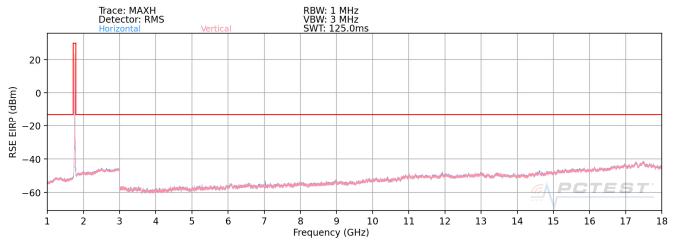
Plot 7-284. Radiated Spurious Plot (ULCA LTE Band 66 - Mid Channel - North - Open)

FCC ID: C3K1995 IC: 3048A-1995	PROXE to be post of @ element	PART 27 / RSS-130 / RSS-139 MEASUREMENT REPORT  Microsoft	Approved by: Technical Manager
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Plot 7-285. Radiated Spurious Plot (ULCA LTE Band 66 - High Channel - North - Closed)



Plot 7-286. Radiated Spurious Plot (ULCA LTE Band 66 - High Channel - North - Open)

FCC ID: C3K1995 IC: 3048A-1995	Proud to be post of @ element	PART 27 / RSS-130 / RSS-139 MEASUREMENT REPORT  Microsoft	t	Approved by: Technical Manager
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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 [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3440.0	Н	-	-	-77.44	3.62	33.18	-62.08	-13.00	-49.08
5160.0	Н	167	237	-75.39	6.20	37.81	-57.45	-13.00	-44.45
6880.0	Н	124	53	-73.24	8.30	42.06	-53.19	-13.00	-40.19
8600.0	Н	1	-	-80.71	8.91	35.20	-60.06	-13.00	-47.06
10320.0	Н	-	-	-80.86	11.41	37.55	-57.71	-13.00	-44.71
12040.0	Н	-	-	-80.53	14.78	41.25	-54.00	-13.00	-41.00

7-57. Radiated Spurious Data (ULCA LTE66 – Low Channel – North - Closed)

20
1745.0
1 / 99
20
1764.8
1/0
_

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	Н	112	350	-75.96	2.65	33.69	-61.56	-13.00	-48.56
5235.0	Н	397	304	-72.79	5.63	39.84	-55.42	-13.00	-42.42
6980.0	Н	127	298	-72.07	7.58	42.51	-52.75	-13.00	-39.75
8725.0	Н	-	-	-80.07	8.89	35.82	-59.44	-13.00	-46.44
10470.0	Н	-	-	-80.87	11.54	37.67	-57.59	-13.00	-44.59
12215.0	Н	-	-	-80.59	13.86	40.27	-54.99	-13.00	-41.99

Table 7-58. Radiated Spurious Data (ULCA LTE66 - Mid Channel - North - Closed)

FCC ID: C3K1995 IC: 3048A-1995	PCTEST* Provid to be post of @ element	PART 27 / RSS-130 / RSS-139 MEASUREMENT REPORT	Microsoft	Approved by: Technical Manager
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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 [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3540.0	Н	-	-	-77.43	3.52	33.09	-62.17	-13.00	-49.17
5310.0	Н	160	170	-74.45	5.40	37.95	-57.31	-13.00	-44.31
7080.0	Н	235	301	-75.48	7.17	38.69	-56.57	-13.00	-43.57
8850.0	Н	-	-	-79.71	8.98	36.28	-58.98	-13.00	-45.98
10620.0	Н	-	-	-81.11	12.68	38.57	-56.69	-13.00	-43.69
12390.0	Н	-	-	-80.65	13.88	40.23	-55.03	-13.00	-42.03

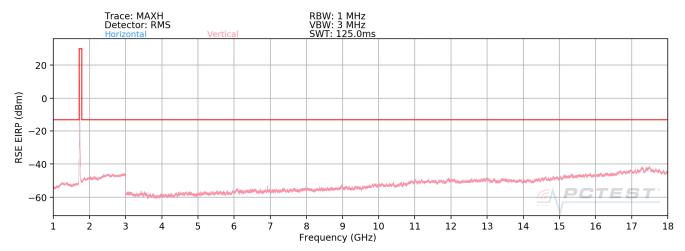
Table 7-59. Radiated Spurious Data (ULCA LTE66 - High Channel - North - Closed)

FCC ID: C3K1995 IC: 3048A-1995	PROXE to be post of @ element	PART 27 / RSS-130 / RSS-139 MEASUREMENT REPORT  Microsoft	Approved by: Technical Manager
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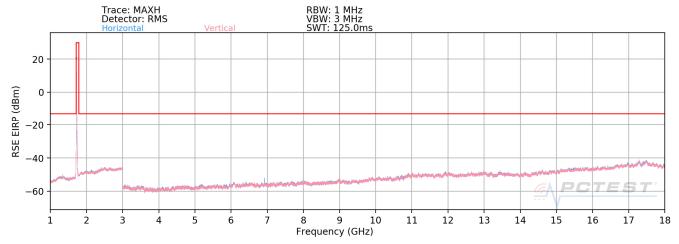
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# Uplink CA LTE Band 66B/C - South



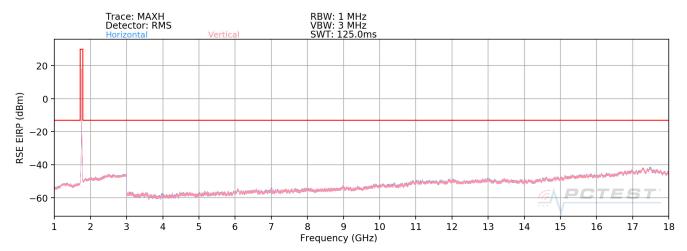
Plot 7-287. Radiated Spurious Plot (ULCA LTE Band 66 - Low Channel - South - Closed)



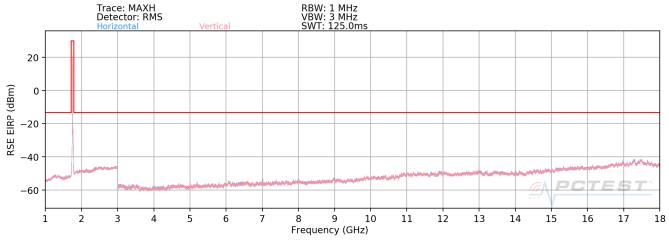
Plot 7-288. Radiated Spurious Plot (ULCA LTE Band 66 - Low Channel - South - Open)

FCC ID: C3K1995 IC: 3048A-1995	PROXE to be post of @ element	PART 27 / RSS-130 / RSS-139 MEASUREMENT REPORT  Microsoft	Approved by: Technical Manager
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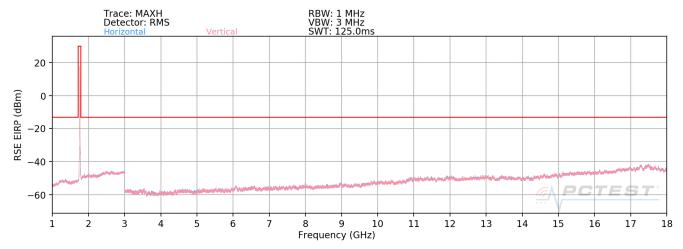
Plot 7-289. Radiated Spurious Plot (ULCA LTE Band 66 - Mid Channel - South - Closed)



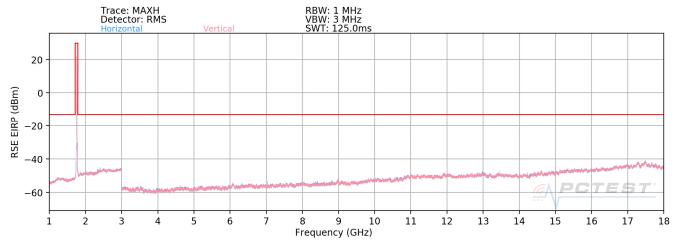
Plot 7-290. Radiated Spurious Plot (ULCA LTE Band 66 - Mid Channel - South - Open)

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Plot 7-291. Radiated Spurious Plot (ULCA LTE Band 66 - High Channel - South - Closed)



Plot 7-292. Radiated Spurious Plot (ULCA LTE Band 66 - High Channel - South - Open)

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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 [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3440.0	Н	-	-	-77.51	3.62	33.11	-62.15	-13.00	-49.15
5160.0	Н	-	-	-79.14	6.20	34.06	-61.20	-13.00	-48.20
6880.0	Н	207	360	-72.90	8.30	42.40	-52.85	-13.00	-39.85
8600.0	Н	-	-	-80.62	8.91	35.29	-59.97	-13.00	-46.97
10320.0	Н	-	-	-80.82	11.41	37.59	-57.67	-13.00	-44.67
12040.0	Н	-	-	-80.62	14.78	41.16	-54.09	-13.00	-41.09

### 7-60. Radiated Spurious Data (ULCA LTE66 – Low Channel – South - Closed)

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 [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	Н	339	23	-76.34	2.65	33.31	-61.94	-13.00	-48.94
5235.0	Н	-	-	-78.83	5.63	33.80	-61.46	-13.00	-48.46
6980.0	Н	198	2	-72.41	7.58	42.17	-53.09	-13.00	-40.09
8725.0	Н	-	-	-80.19	8.89	35.70	-59.56	-13.00	-46.56
10470.0	Н	-	-	-80.86	11.54	37.68	-57.58	-13.00	-44.58
12215.0	Н	-	-	-80.63	13.86	40.23	-55.03	-13.00	-42.03

Table 7-61. Radiated Spurious Data (ULCA LTE66 - Mid Channel - South - Closed)

FCC ID: C3K1995 IC: 3048A-1995	Proxide to be post of @ element	PART 27 / RSS-130 / RSS-139 MEASUREMENT REPORT  Microsoft	Approved by: Technical Manager
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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 [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3540.0	Н	-	-	-77.52	3.52	33.00	-62.26	-13.00	-49.26
5310.0	Н	206	115	-73.90	5.40	38.50	-56.76	-13.00	-43.76
7080.0	Н	179	2	-74.29	7.17	39.88	-55.38	-13.00	-42.38
8850.0	Н	-	-	-79.55	8.98	36.44	-58.82	-13.00	-45.82
10620.0	Н	-	-	-80.99	12.68	38.69	-56.57	-13.00	-43.57
12390.0	Н	-	-	-80.68	13.88	40.20	-55.06	-13.00	-42.06

Table 7-62. Radiated Spurious Data (ULCA LTE66 - High Channel - South - Closed)

FCC ID: C3K1995 IC: 3048A-1995	PROXE to be post of @ element	PART 27 / RSS-130 / RSS-139 MEASUREMENT REPORT  Microsoft	Approved by: Technical Manager
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### **Test Overview and Limit**

Frequency stability testing is performed in accordance with the guidelines of ANSI/TIA-603-E-2016. The frequency stability of the transmitter is measured by:

- Temperature: The temperature is varied from -30°C to +50°C in 10°C increments using an environmental a.) 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/TIA-603-E-2016

#### **Test Settings**

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

#### **Test Setup**

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

### **Test Notes**

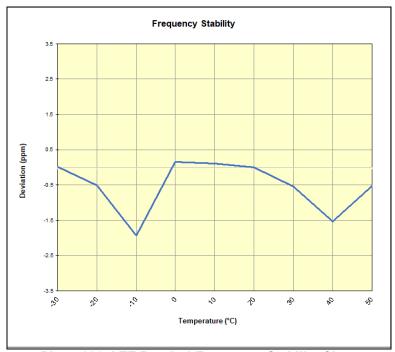
None

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LTE Band 71						
	Operating F	requency (Hz):	680,50	00,000	1	
	Ref.	Voltage (VDC):	4.	24	1	
		Deviation Limit:	± 0.00025%	or 2.5 ppm		
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)	
		- 30	680,500,966	7	0.0000010	
	4.24	- 20	680,500,613	-346	-0.0000508	
		- 10	680,499,640	-1,319	-0.0001938	
		0	680,501,060	101	0.0000148	
100 %		+ 10	680,501,037	78	0.0000115	
		+ 20 (Ref)	680,500,959	0	0.0000000	
		+ 30	680,500,593	-366	-0.0000538	
		+ 40	680,499,919	-1,040	-0.0001528	
		+ 50	680,500,600	-359	-0.0000527	
Battery Endpoint	3.70	+ 20	680,499,919	-1,040	-0.0001528	

Table 7-63. LTE Band 71 Frequency Stability Data



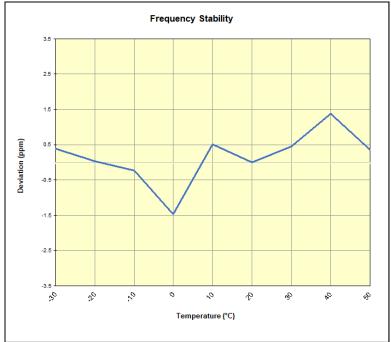
Plot 7-293. LTE Band 71 Frequency Stability Chart

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LTE Band 12						
	Operating F	requency (Hz):	707,50	00,000	1	
	Ref.	Voltage (VDC):	4.	24	1	
		Deviation Limit:	± 0.00025%	or 2.5 ppm		
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)	
		- 30	707,499,203	269	0.0000380	
	4.24	- 20	707,498,961	27	0.0000038	
		- 10	707,498,771	-163	-0.0000231	
		0	707,497,899	-1,035	-0.0001463	
100 %		+ 10	707,499,297	363	0.0000513	
		+ 20 (Ref)	707,498,934	0	0.0000000	
		+ 30	707,499,249	315	0.0000445	
		+ 40	707,499,912	978	0.0001382	
		+ 50	707,499,187	253	0.0000358	
Battery Endpoint	3.70	+ 20	707,499,527	593	0.0000839	

Table 7-64. LTE Band 12 Frequency Stability Data



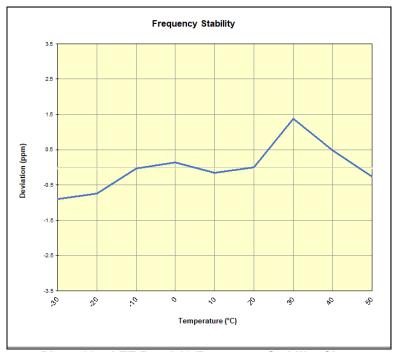
Plot 7-294. LTE Band 12 Frequency Stability Chart

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LTE Band 13						
	Operating F	requency (Hz):	782,00	00,000		
	Ref.	Voltage (VDC):	4.	24		
		Deviation Limit:	± 0.00025%	or 2.5 ppm		
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)	
	4.24	- 30	782,001,827	-702	-0.0000897	
		- 20	782,001,942	-587	-0.0000750	
		- 10	782,002,506	-23	-0.0000030	
		0	782,002,639	110	0.0000141	
100 %		+ 10	782,002,402	-127	-0.0000162	
		+ 20 (Ref)	782,002,529	0	0.0000000	
		+ 30	782,003,602	1,074	0.0001373	
		+ 40	782,002,901	373	0.0000476	
		+ 50	782,002,323	-206	-0.0000263	
Battery Endpoint	3.70	+ 20	782,002,327	-202	-0.0000258	

Table 7-65. LTE Band 13 Frequency Stability Data



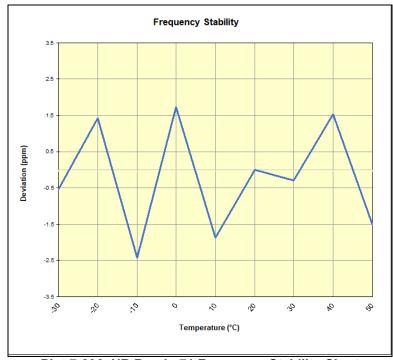
Plot 7-295. LTE Band 13 Frequency Stability Chart

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NR Band n71						
	Operating F	requency (Hz):	680,500,000		1	
	Ref.	Voltage (VDC):	4.24			
		Deviation Limit:	± 0.00025%	or 2.5 ppm		
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)	
		- 30	671,032,298	-365	-0.0000544	
		- 20	671,033,617	953	0.0001420	
			671,031,033	-1,631	-0.0002430	
		0	671,033,822	1,158	0.0001726	
100 %	4.24	+ 10	671,031,406	-1,257	-0.0001874	
	-	+ 20 (Ref)	671,032,663	0	0.0000000	
		+ 30	671,032,461	-202	-0.0000301	
		+ 40	671,033,695	1,032	0.0001537	
		+ 50	671,031,641	-1,022	-0.0001523	
Battery Endpoin	3.70	+ 20	671,031,502	-1,162	-0.0001731	

Table 7-66. NR Band n71 Frequency Stability Data



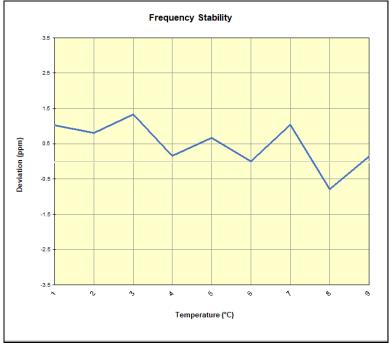
Plot 7-296. NR Band n71 Frequency Stability Chart

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LTE Band 66/4							
	Operating F	requency (Hz):	1,745,000,000				
	Ref.	Voltage (VDC):	4.24				
		Deviation Limit:	± 0.00025%	or 2.5 ppm			
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)		
		- 30	1,745,001,820	1,789	0.0001025		
		- <mark>2</mark> 0	1,745,001,445	1,414	0.0000810		
		- 10	1,745,002,353	2,323	0.0001331		
		0	1,745,000,291	260	0.0000149		
100 %	4.24	+ 10	1,745,001,199	1,168	0.0000669		
		+ 20 (Ref)	1,745,000,031	0	0.0000000		
		+ 30	1,745,001,830	1,799	0.0001031		
		+ 40	1,744,998,663	-1,368	-0.0000784		
		+ 50	1,745,000,265	234	0.0000134		
Battery Endpoint	3.70	+ 20	1,745,000,888	857	0.0000491		

Table 7-67. LTE Band 66/4 Frequency Stability Data



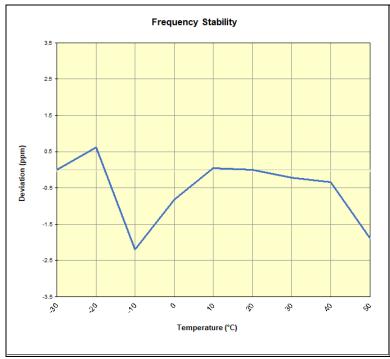
Plot 7-297. LTE Band 66/4 Frequency Stability Chart

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NR Band n66							
	Operating F	requency (Hz):	1,745,000,000				
	Ref.	Voltage (VDC):	4.24				
		Deviation Limit:	± 0.00025%	or 2.5 ppm			
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)		
		- 30	1,745,548,170	-8	-0.0000005		
		- 20	1,745,549,247	1,068	0.0000612		
		- 10	1,745,544,345	-3,834	-0.0002197		
		0	1,745,546,742	-1,436	-0.0000823		
100 %	4.24	+ 10	1,745,548,267	88	0.0000051		
		+ 20 (Ref)	1,745,548,179	0	0.0000000		
		+ 30	1,745,547,789	-390	-0.0000223		
		+ 40	1,745,547,576	-603	-0.0000345		
		+ 50	1,745,544,869	-3,310	-0.0001896		
Battery Endpoin	3.70	+ 20	1,745,548,582	403	0.0000231		

Table 7-68. NR Band n66 Frequency Stability Data



Plot 7-298. 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 Portable Handset FCC ID:C3K1995 / IC: 3048A-1995** complies with all the requirements of Part 27 of the FCC rules and RSS-130 and RSS-139 of the Innovation, Science and Economic Development Canada Rules.

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