



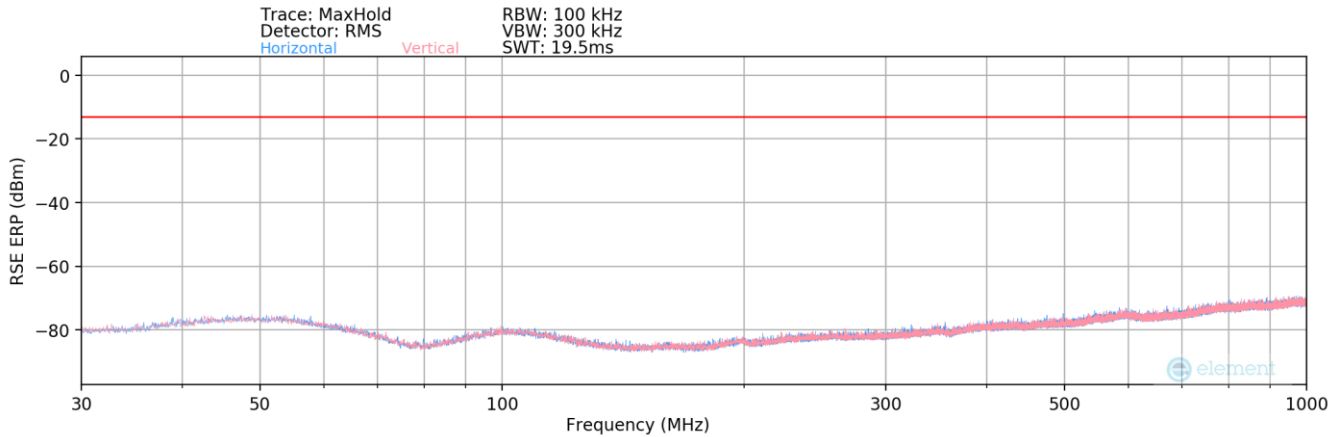
Bandwidth (MHz):	20
Frequency (MHz):	1770
RB / Offset:	1 / 50
Detector / Trace Mode:	RMS / Average

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3540.00	H	137	3	-77.89	-0.66	28.45	-66.81	-13.00	-53.81
5310.00	H	140	175	-67.51	2.89	42.38	-52.87	-13.00	-39.87
7080.00	H	114	247	-77.96	6.51	35.55	-59.71	-13.00	-46.71
8850.00	H	-	-	-80.71	8.74	35.03	-60.22	-13.00	-47.22
10620.00	H	-	-	-81.64	11.44	36.80	-58.46	-13.00	-45.46
12390.00	H	-	-	-81.46	12.73	38.27	-56.99	-13.00	-43.99

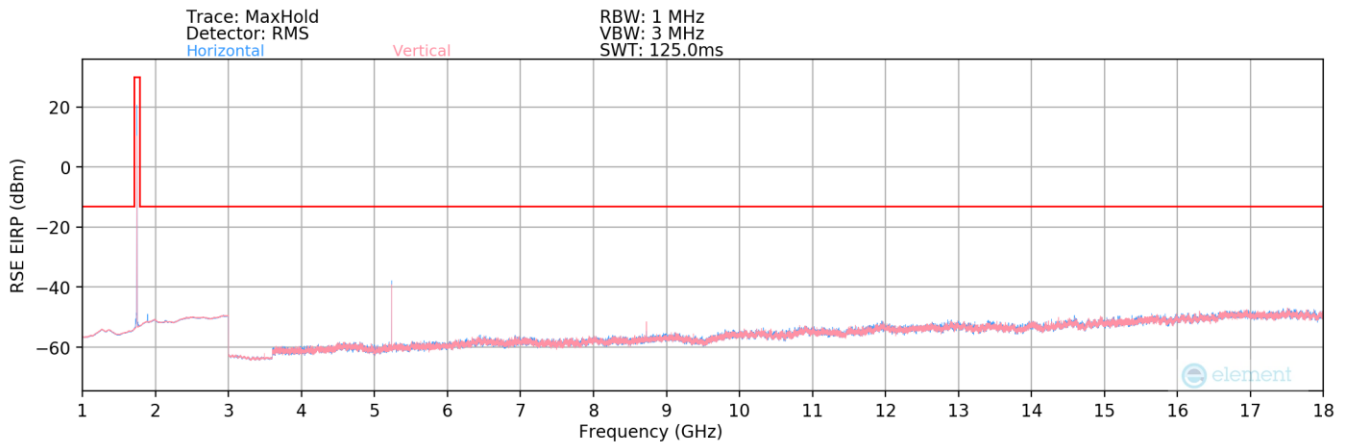
**Table 7-25. Radiated Spurious Data (LTE Band 66/4 – High Channel – Ant B)**

<b>FCC ID:</b> A3LSMF936B	<b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2204110052-03.A3L	<b>Test Dates:</b> 4/11/2022 - 6/18/2022	<b>EUT Type:</b> Portable Handset	Page 199 of 238

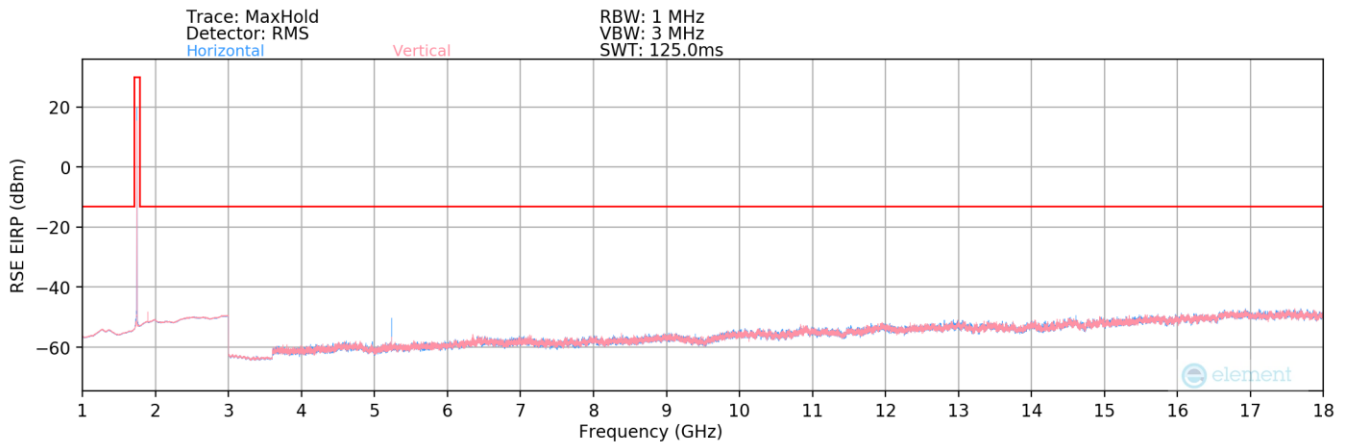
### NR Band n66 – Ant B



**Plot 7-324. Radiated Spurious Plot (NR Band n66 – Ant B) below 1GHz**



**Plot 7-325. Radiated Spurious Plot (NR Band n66– Ant B) above 1GHz –Closed**



**Plot 7-326. Radiated Spurious Plot (NR Band n66– Ant B) above 1GHz – Half**

FCC ID: A3LSMF936B	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2204110052-03.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 200 of 238



Bandwidth (MHz):	20
Frequency (MHz):	1745
RB / Offset:	1 / 108
Mode:	Standalone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
101.7	H	-	-	-71.99	-16.41	18.60	-78.80	-13.00	-65.80

**Table 7-26. Radiated Spurious Data (NR Band n66 – Ant B) below 1GHz**

Bandwidth (MHz):	20
Frequency (MHz):	1720
RB / Offset:	1 / 108
Mode:	Stand Alone

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	H	274	54	-72.01	2.77	37.76	-57.50	-13.00	-44.50
5160.0	H	141	129	-49.22	5.23	63.01	-32.25	-13.00	-19.25
6880.0	H	222	9	-78.01	7.73	36.72	-58.54	-13.00	-45.54
8600.0	V	-	-	-77.01	8.88	38.87	-56.38	-13.00	-43.38
10320.0	H	-	-	-80.22	11.29	38.07	-57.19	-13.00	-44.19
12040.0	H	-	-	-80.49	13.94	40.45	-54.81	-13.00	-41.81

**Table 7-27. Radiated Spurious Data (NR Band n66 – Low Channel – Ant B)**

Bandwidth (MHz):	20
Frequency (MHz):	1745
RB / Offset:	1 / 108
Mode:	Stand Alone

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	H	350	55	-76.21	2.69	33.48	-61.78	-13.00	-48.78
5235.0	H	126	201	-49.01	5.03	63.02	-32.24	-13.00	-19.24
6980.0	H	222	349	-77.24	7.16	36.92	-58.34	-13.00	-45.34
8725.0	V	-	-	-74.01	8.55	41.54	-53.71	-13.00	-40.71
10470.0	H	-	-	-80.46	11.64	38.18	-57.08	-13.00	-44.08
12215.0	H	-	-	-80.11	13.70	40.59	-54.67	-13.00	-41.67

**Table 7-28. Radiated Spurious Data (NR Band n66 – Mid Channel – Ant B)**

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-03.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 201 of 238



Bandwidth (MHz):	20
Frequency (MHz):	1770
RB / Offset:	1 / 108
Mode:	Stand Alone

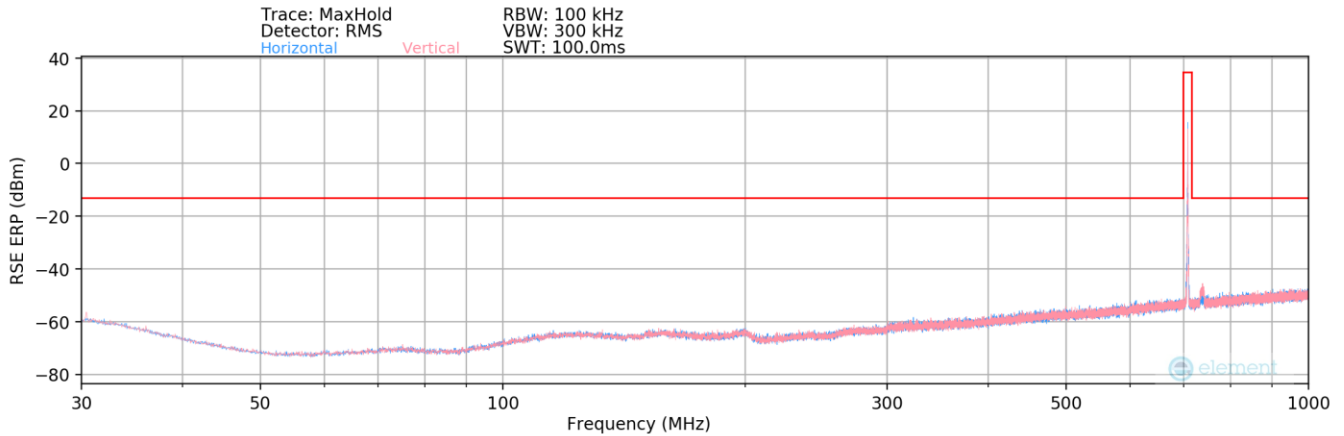
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3540.0	H	380	62	-73.21	2.47	36.26	-59.00	-13.00	-46.00
5310.0	H	122	149	-48.22	5.00	63.78	-31.48	-13.00	-18.48
7080.0	H	201	301	-77.01	7.20	37.19	-58.07	-13.00	-45.07
8850.0	V	147	22	-76.21	8.31	39.10	-56.16	-13.00	-43.16
10620.0	H	-	-	-80.44	11.84	38.40	-56.85	-13.00	-43.85
12390.0	H	-	-	-79.69	13.46	40.77	-54.48	-13.00	-41.48

**Table 7-29. Radiated Spurious Data (NR Band n66 – High Channel – Ant B)**

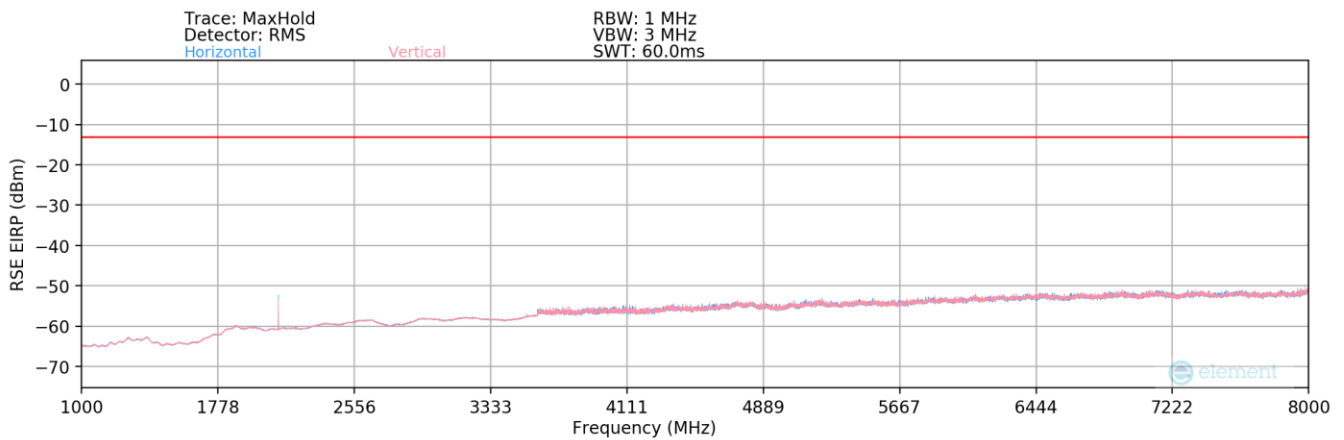
<b>FCC ID:</b> A3LSMF936B	<b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2204110052-03.A3L	<b>Test Dates:</b> 4/11/2022 - 6/18/2022	<b>EUT Type:</b> Portable Handset	Page 202 of 238

V3.0 1/5/2022

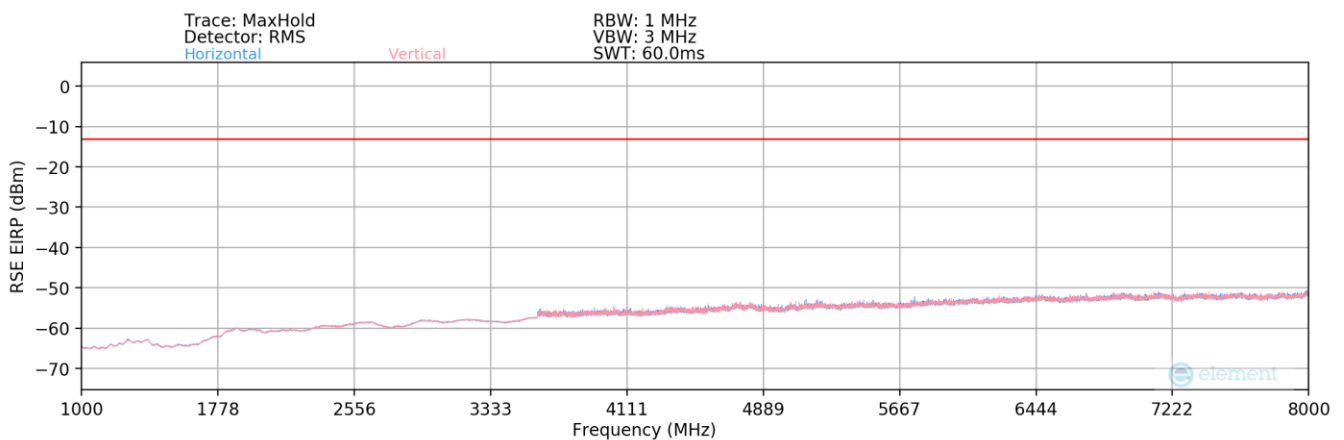
## LTE Band 12/17 – Ant A + Ant B



**Plot 7-327. Radiated Spurious Plot (LTE Band 12/17 – Ant A + Ant B) below 1GHz**



**Plot 7-328. Radiated Spurious Plot (LTE Band 12/17– Ant A + Ant B) above 1GHz – Closed**



**Plot 7-329. Radiated Spurious Plot (LTE Band 12/17– Ant A + Ant B) above 1GHz – Half**

FCC ID: A3LSMF936B	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2204110052-03.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 203 of 238

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 [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
65.00	H	-	-	-74.23	14.69	47.46	-36.32	-13.00	-23.32
92.00	H	-	-	-74.34	15.39	48.05	-35.74	-13.00	-22.74
351.00	H	-	-	-77.75	21.97	51.22	-32.56	-13.00	-19.56

**Table 7-30. Radiated Spurious Data (LTE Band 12/17 – Ant A + Ant B) below 1GHz**

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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1408.00	H	-	-	-68.68	-3.69	34.63	-60.63	-13.00	-47.63
2112.00	H	159	60	-59.85	-0.26	46.89	-48.37	-13.00	-35.37
2816.00	H	-	-	-68.56	0.80	39.24	-56.02	-13.00	-43.02
3520.00	H	-	-	-67.38	2.19	41.81	-53.45	-13.00	-40.45
4224.00	H	-	-	-73.70	2.93	36.23	-59.03	-13.00	-46.03

**Table 7-31. Radiated Spurious Data (LTE Band 12/17 – Low Channel – Ant A + Ant B)**

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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1415.00	H	-	-	-69.98	-3.79	33.23	-62.03	-13.00	-49.03
2122.50	H	155	60	-60.17	-0.25	46.58	-48.67	-13.00	-35.67
2830.00	H	-	-	-68.50	0.83	39.33	-55.93	-13.00	-42.93
3537.50	H	-	-	-67.88	2.43	41.55	-53.70	-13.00	-40.70
4245.00	H	-	-	-74.21	3.01	35.80	-59.46	-13.00	-46.46

**Table 7-32. Radiated Spurious Data (LTE Band 12/17 – Mid Channel – Ant A + Ant B)**

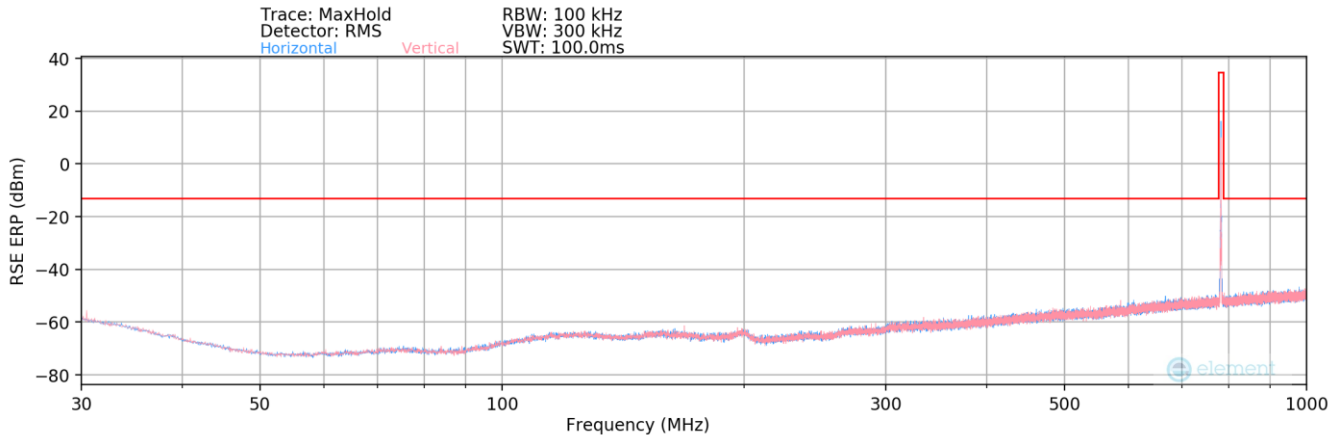
Bandwidth (MHz):	10
Frequency (MHz):	711
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1422.00	H	-	-	-69.75	-3.83	33.42	-61.84	-13.00	-48.84
2133.00	H	159	61	-59.01	-0.22	47.77	-47.49	-13.00	-34.49
2844.00	H	-	-	-68.92	0.93	39.01	-56.25	-13.00	-43.25
3555.00	H	-	-	-68.17	2.76	41.59	-53.67	-13.00	-40.67
4266.00	H	-	-	-74.32	3.24	35.92	-59.34	-13.00	-46.34

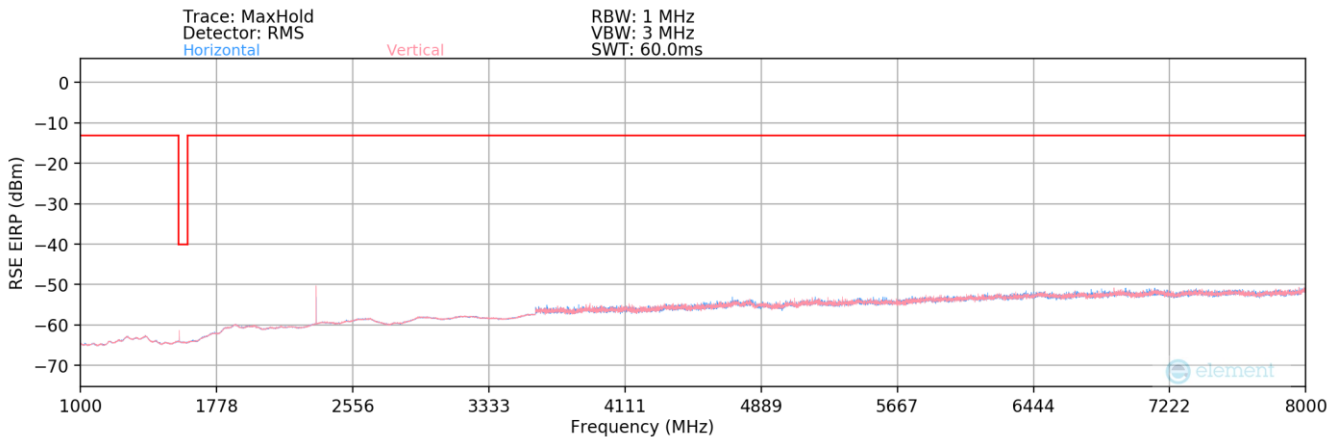
**Table 7-33. Radiated Spurious Data (LTE Band 12/17 – High Channel – Ant A + Ant B)**

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-03.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 204 of 238

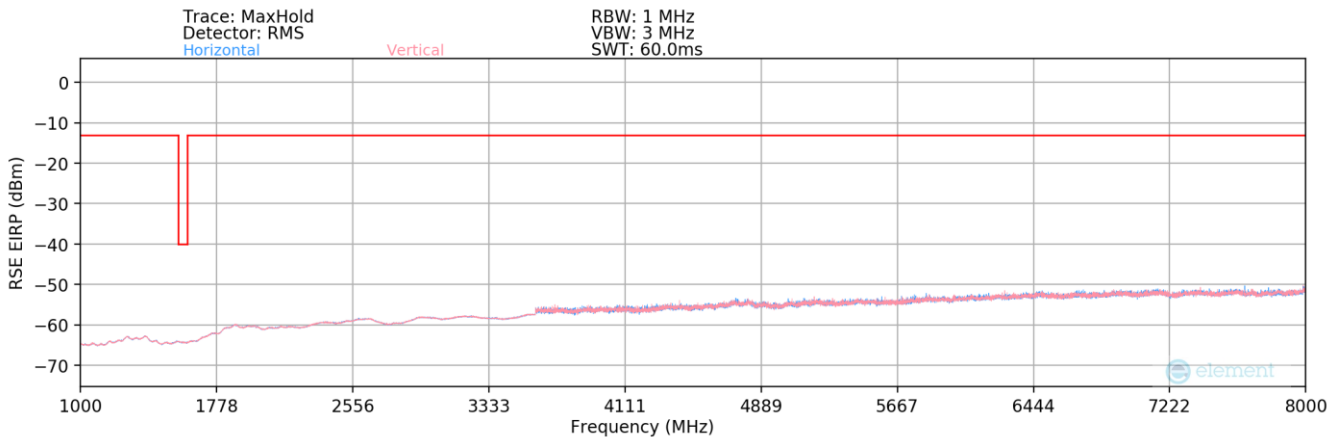
### LTE Band 13 – Ant A + Ant B



**Plot 7-330. Radiated Spurious Plot (LTE Band 13 – Ant A + Ant B) below 1GHz**



**Plot 7-331. Radiated Spurious Plot (LTE Band 13– Ant A + Ant B) above 1GHz – Closed**



**Plot 7-332. Radiated Spurious Plot (LTE Band 13– Ant A + Ant B) above 1GHz – Open**

FCC ID: A3LSMF936B	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2204110052-03.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 205 of 238



Bandwidth (MHz):	10
Frequency (MHz):	782
RB / Offset:	1 / 25
Detector / Trace Mode:	RMS / Average
RBW / VBW:	100kHz / 300kHz

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
86.00	V	-	-	-76.98	14.39	44.41	-37.10	-13.00	-24.10
201.00	V	-	-	-77.25	20.22	49.97	-31.54	-13.00	-18.54
301.00	V	-	-	-78.70	21.21	49.51	-32.00	-13.00	-19.00

**Table 7-34. Radiated Spurious Data (LTE Band 13 – Ant A + Ant B) below 1GHz**

Bandwidth (MHz):	10
Frequency (MHz):	782
RB / Offset:	1 / 25
Detector / Trace Mode:	RMS / Average

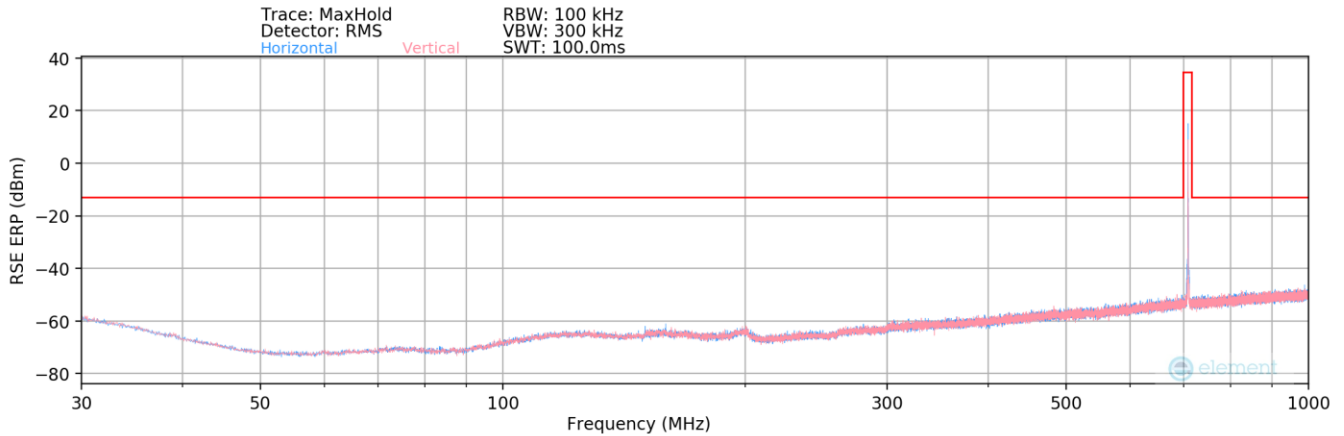
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1564.00	V	184	234	-69.94	-3.87	33.19	-62.07	-40.00	-22.07
2346.00	V	155	26	-59.06	0.64	48.58	-46.68	-13.00	-33.68
3128.00	V	-	-	-73.09	1.93	35.84	-59.42	-13.00	-46.42
3910.00	V	-	-	-73.56	3.09	36.53	-58.73	-13.00	-45.73
4692.00	V	-	-	-73.76	4.17	37.41	-57.84	-13.00	-44.84

**Table 7-35. Radiated Spurious Data (LTE Band 13 – Ant A + Ant B)**

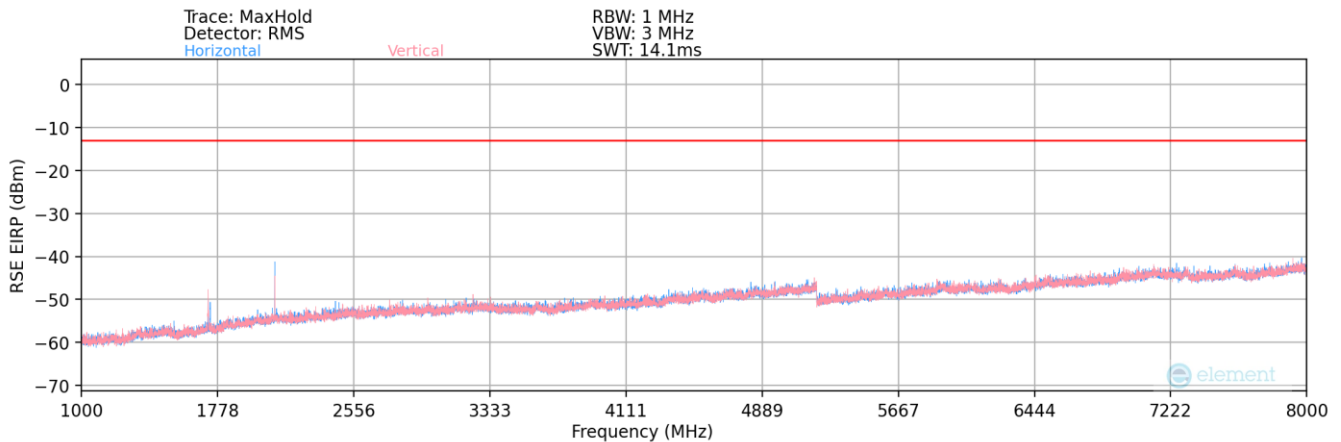
FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-03.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 206 of 238



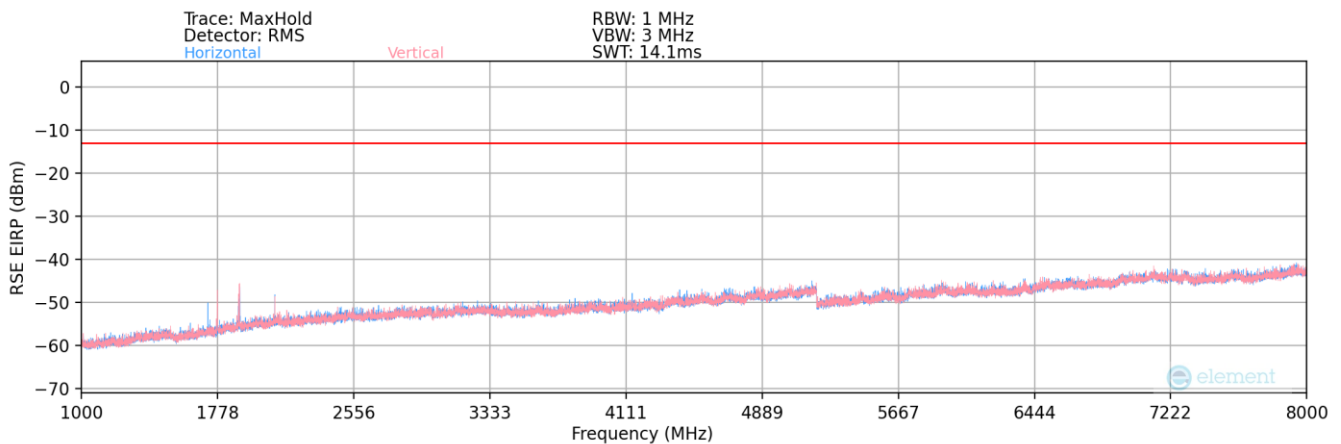
## NR Band n12 – Ant A + Ant B



**Plot 7-333. Radiated Spurious Plot (NR Band n12 – Ant B) below 1GHz**



**Plot 7-334. Radiated Spurious Plot (NR Band n12– Ant A + Ant B) above 1GHz – Open**



**Plot 7-335. Radiated Spurious Plot (NR Band n12– Ant A + Ant B) above 1GHz – Closed**

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-03.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 207 of 238



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 [dBµV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
158.2	H	-	-	-94.90	20.30	32.40	-65.00	-13.00	-52.00
395.7	H	-	-	-95.12	23.42	35.30	-62.10	-13.00	-49.10

**Table 7-36. Radiated Spurious Data (NR Band n12 – high Channel – Ant A + Ant B) below 1GHz**

Bandwidth (MHz):	15
Frequency (MHz):	706.5
RB / Offset:	1 / 39
Mode:	Stand Alone

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]
1413.00	H	-	-	-68.01	-0.35	38.64	-56.62	-13.00	-43.62
2119.50	H	112	311	-65.46	4.37	45.91	-49.35	-13.00	-36.35
2826.00	H	-	-	-69.54	6.27	43.73	-51.53	-13.00	-38.53
3532.50	H	-	-	-69.97	7.35	44.38	-50.87	-13.00	-37.87

**Table 7-37. Radiated Spurious Data (NR Band n12 – Low Channel – Ant A + Ant B)**

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

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]
1415.00	H	-	-	-67.94	-0.34	38.72	-56.54	-13.00	-43.54
2122.50	H	112	328	-65.34	4.34	46.00	-49.26	-13.00	-36.26
2830.00	H	-	-	-70.54	6.32	42.78	-52.48	-13.00	-39.48
3537.50	H	-	-	-71.08	7.37	43.29	-51.97	-13.00	-38.97

**Table 7-38. Radiated Spurious Data (NR Band n12 – Mid Channel – Ant A + Ant B)**

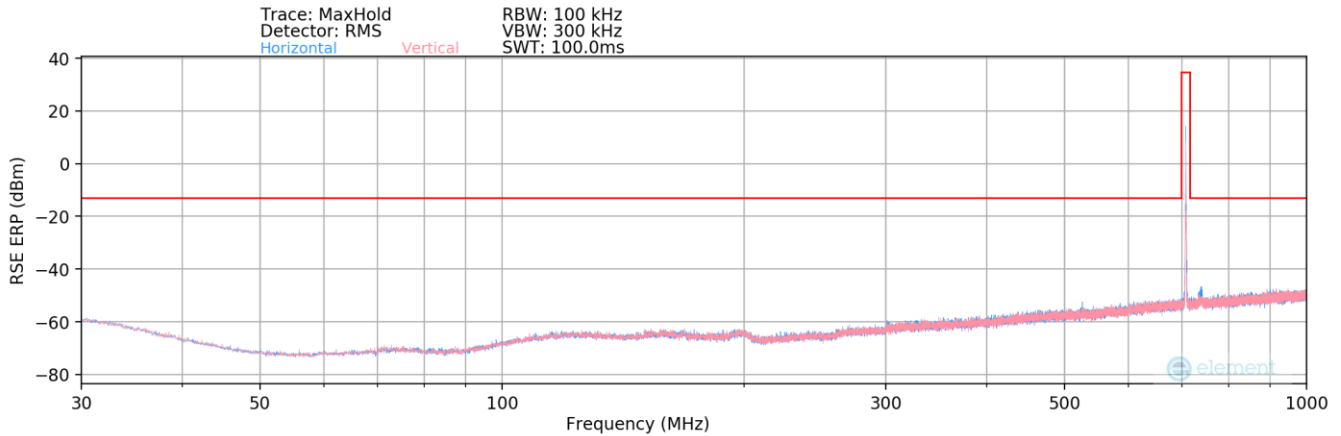
Bandwidth (MHz):	15
Frequency (MHz):	708.5
RB / Offset:	1 / 39
Mode:	Stand Alone

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]
1417.00	H	117	178	-68.65	-0.31	38.04	-57.21	-13.00	-44.21
2125.50	H	145	337	-63.58	4.30	47.72	-47.53	-13.00	-34.53
2834.00	H	-	-	-70.99	6.35	42.36	-52.90	-13.00	-39.90
3542.50	H	-	-	-69.89	7.41	44.52	-50.73	-13.00	-37.73

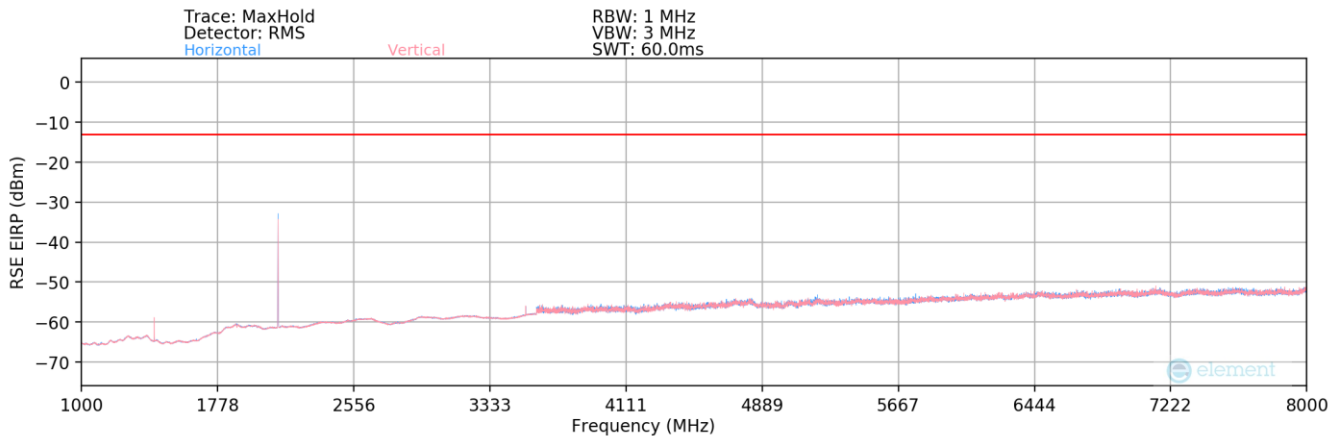
**Table 7-39. Radiated Spurious Data (NR Band n12 – High Channel – Ant A + Ant B)**

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-03.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 208 of 238

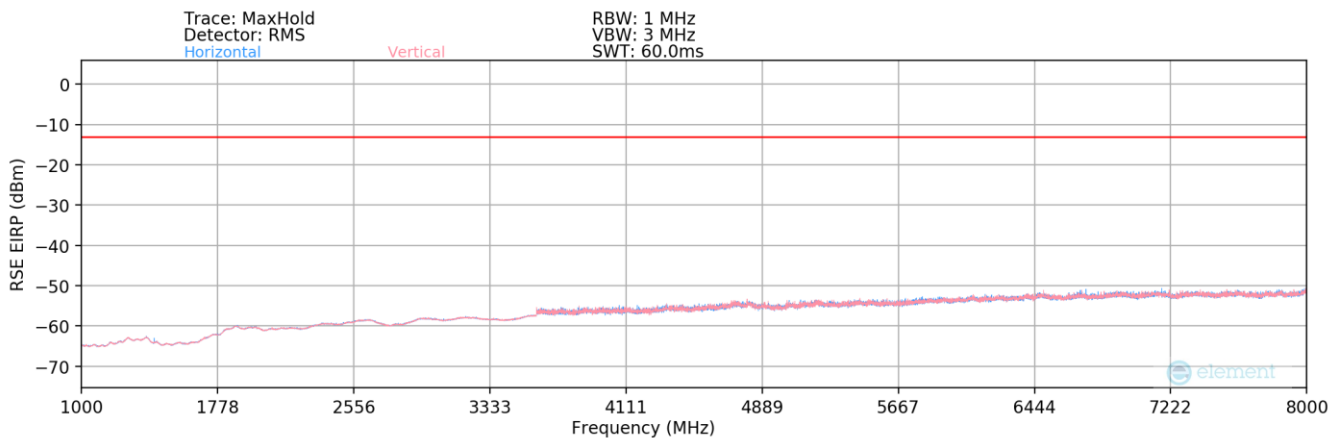
### LTE Band 12/17 – Ant A



**Plot 7-336. Radiated Spurious Plot (LTE Band 12/17 – Ant A) below 1GHz**



**Plot 7-337. Radiated Spurious Plot (LTE Band 12/17– Ant A) above 1GHz – Closed**



**Plot 7-338. Radiated Spurious Plot (LTE Band 12/17– Ant A) above 1GHz – Open**

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-03.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 209 of 238



Bandwidth (MHz):	10
Frequency (MHz):	711
RB / Offset:	1 / 25
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 [dBµV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
521.82	H	-	-	-88.43	26.02	44.59	-52.81	-13.00	-39.81
737.50	H	-	-	-88.83	29.29	47.46	-49.95	-13.00	-36.95

**Table 7-40. Radiated Spurious Data (LTE Band 12/17 – Ant A) below 1GHz**

Bandwidth (MHz):	10
Frequency (MHz):	704
RB / Offset:	1 / 25
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 [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1408.00	V	165	240	-72.90	-3.69	30.41	-64.85	-13.00	-51.85
2112.00	H	149	198	-43.23	-0.26	63.51	-31.75	-13.00	-18.75
2816.00	H	-	-	-77.17	0.80	30.63	-64.63	-13.00	-51.63
3520.00	V	379	168	-70.30	2.19	38.89	-56.37	-13.00	-43.37
4224.00	H	-	-	-77.43	2.93	32.50	-62.76	-13.00	-49.76
4928.00	H	-	-	-78.09	3.97	32.88	-62.38	-13.00	-49.38

**Table 7-41. Radiated Spurious Data (LTE Band 12/17 – Low Channel – Ant A)**

Bandwidth (MHz):	10
Frequency (MHz):	707.5
RB / Offset:	1 / 25
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 [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1415.00	V	153	230	-71.48	-3.79	31.73	-63.53	-13.00	-50.53
2122.50	H	153	193	-42.76	-0.25	63.99	-31.26	-13.00	-18.26
2830.00	H	-	-	-77.41	0.83	30.42	-64.84	-13.00	-51.84
3537.50	V	376	163	-70.34	2.43	39.09	-56.16	-13.00	-43.16
4245.00	H	-	-	-77.50	3.01	32.51	-62.75	-13.00	-49.75
4952.50	H	-	-	-78.15	3.89	32.74	-62.52	-13.00	-49.52

**Table 7-42. Radiated Spurious Data (LTE Band 12/17 – Mid Channel – Ant A)**

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-03.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 210 of 238



Bandwidth (MHz):	10
Frequency (MHz):	711
RB / Offset:	1 / 25
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 [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1422.00	V	159	309	-71.84	-3.83	31.33	-63.93	-13.00	-50.93
2133.00	H	164	202	-41.70	-0.22	65.08	-30.18	-13.00	-17.18
2844.00	H	-	-	-77.31	0.93	30.62	-64.64	-13.00	-51.64
3555.00	V	398	331	-71.55	2.76	38.21	-57.05	-13.00	-44.05
4266.00	H	-	-	-77.85	3.24	32.39	-62.87	-13.00	-49.87
4977.00	H	-	-	-78.28	4.07	32.79	-62.47	-13.00	-49.47

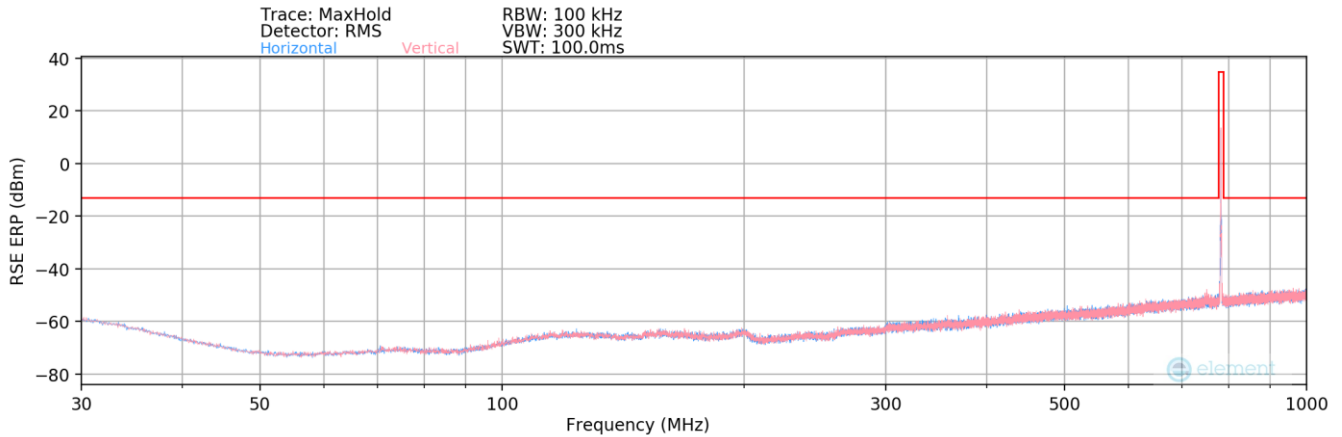
**Table 7-43. Radiated Spurious Data (LTE Band 12/17 – High Channel – Ant A)**

<b>FCC ID:</b> A3LSMF936B	<b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2204110052-03.A3L	<b>Test Dates:</b> 4/11/2022 - 6/18/2022	<b>EUT Type:</b> Portable Handset	Page 211 of 238

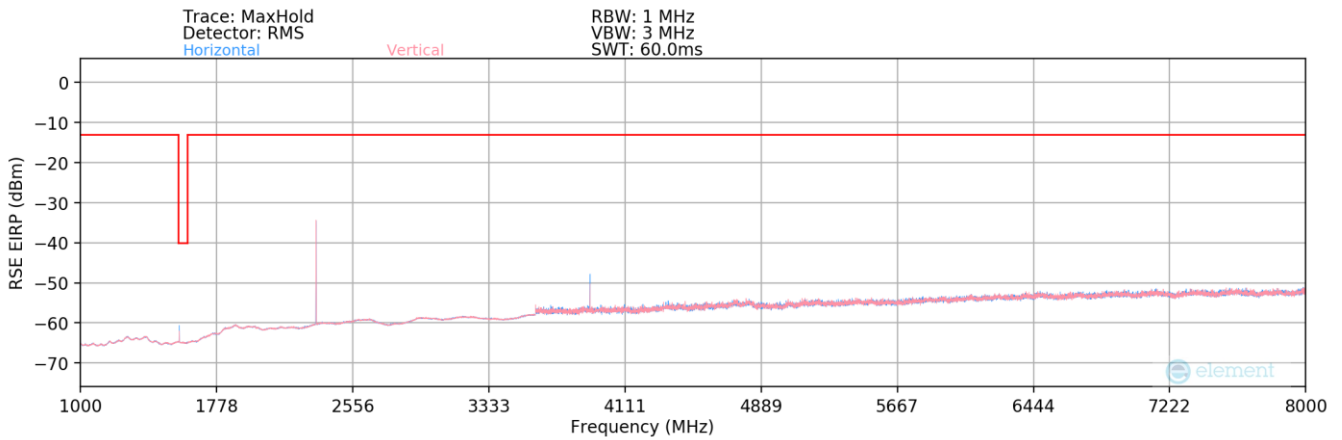
V3.0 1/5/2022

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

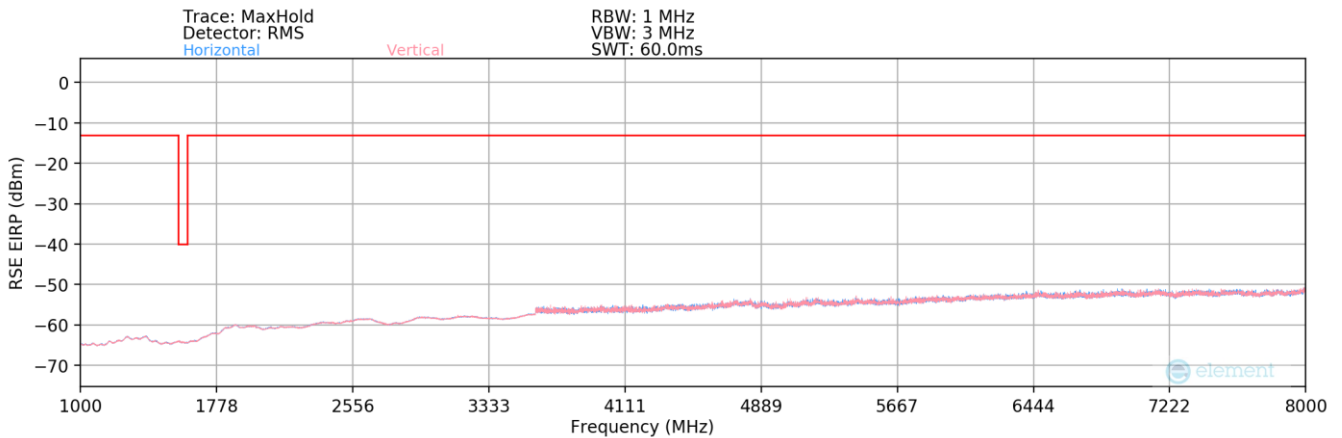
### LTE Band 13 – Ant A



**Plot 7-339. Radiated Spurious Plot (LTE Band 13 – Ant A) below 1GHz**



**Plot 7-340. Radiated Spurious Plot (LTE Band 13– Ant A) above 1GHz – Closed**



**Plot 7-341. Radiated Spurious Plot (LTE Band 13– Ant A) above 1GHz – Open**

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-03.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 212 of 238



Bandwidth (MHz):	10
Frequency (MHz):	782
RB / Offset:	1 / 25
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 [dBµV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
751.0	V	-	-	-88.69	29.63	47.94	-49.47	-13.00	-36.47

**Table 7-44. Radiated Spurious Data (LTE Band 13 – Ant A) below 1GHz**

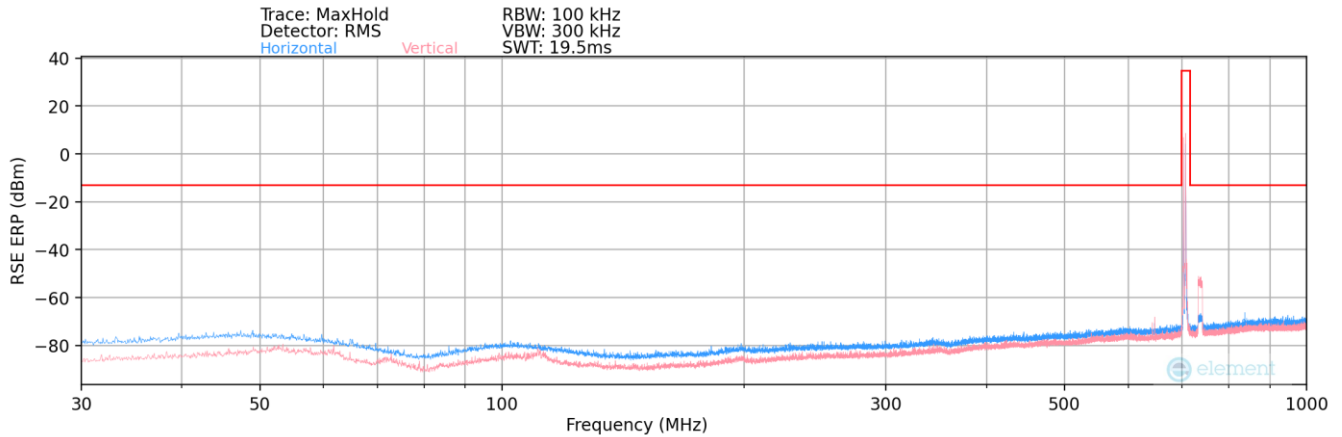
Bandwidth (MHz):	10
Frequency (MHz):	782
RB / Offset:	1 / 25
Detector / Trace Mode:	RMS / Average

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1564.0	H	125	219	-67.89	-3.87	35.24	-60.02	-40.00	-20.02
2346.0	V	146	294	-46.22	0.64	61.42	-33.84	-13.00	-20.84
3128.0	H	-	-	-77.29	1.93	31.64	-63.62	-13.00	-50.62
3910.0	H	125	336	-66.01	3.09	44.08	-51.18	-13.00	-38.18
4692.0	H	-	-	-78.01	4.17	33.16	-62.09	-13.00	-49.09
5474.0	H	-	-	-78.29	5.29	34.00	-61.25	-13.00	-48.25

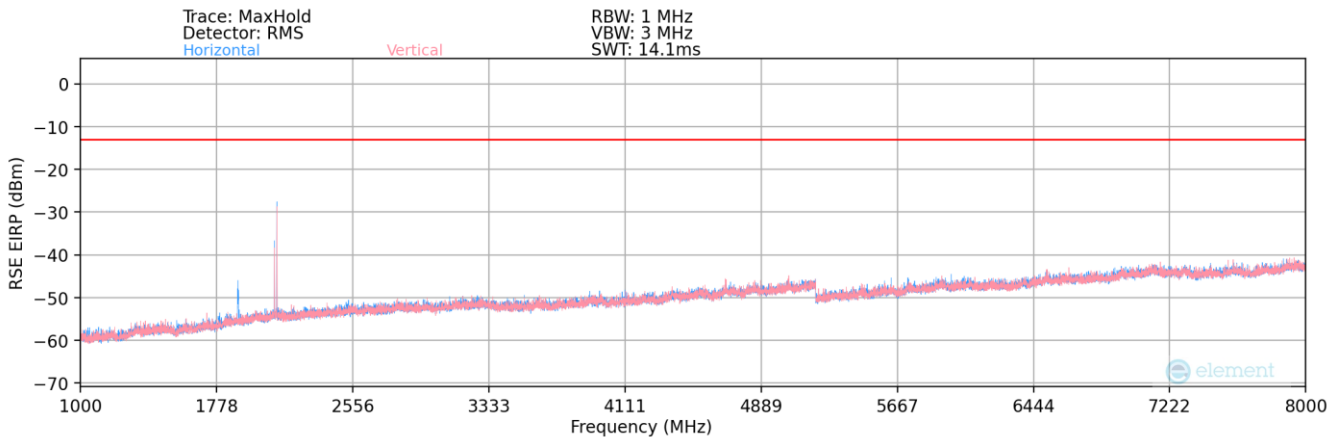
**Table 7-45. Radiated Spurious Data (LTE Band 13 — Ant A)**

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-03.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 213 of 238

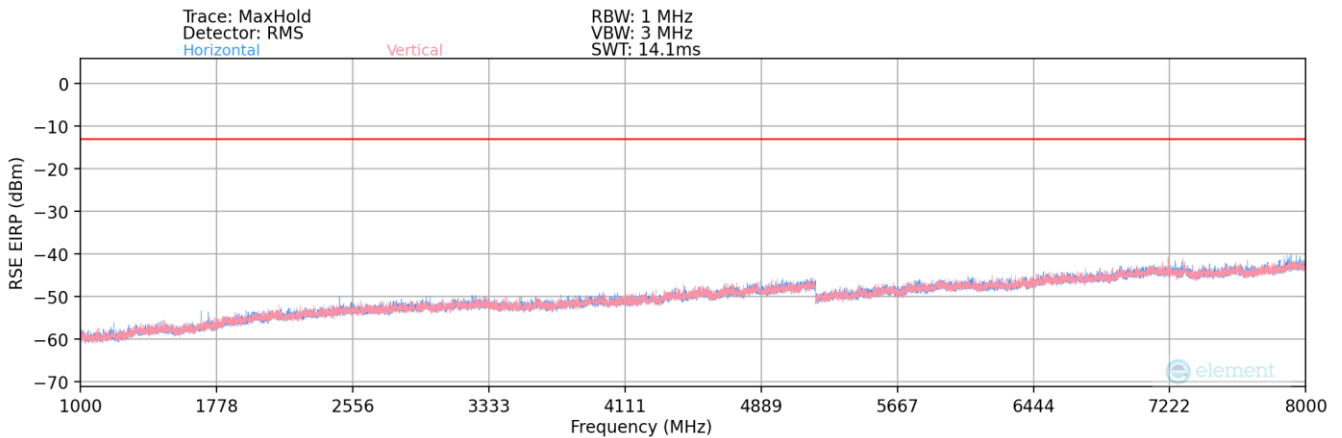
## NR Band n12 – Ant A



**Plot 7-342. Radiated Spurious Plot (NR Band n12 – Ant A) below 1GHz**



**Plot 7-343. Radiated Spurious Plot (NR Band n12– Ant A) above 1GHz – Closed**



**Plot 7-344. Radiated Spurious Plot (NR Band n12– Ant A) above 1GHz – Half**

<b>FCC ID:</b> A3LSMF936B	<b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2204110052-03.A3L	<b>Test Dates:</b> 4/11/2022 - 6/18/2022	<b>EUT Type:</b> Portable Handset	Page 214 of 238



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 [dBµV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
158.2	H	-	-	-94.90	20.30	32.40	-65.00	-13.00	-52.00
395.7	H	-	-	-95.12	23.42	35.30	-62.10	-13.00	-49.10

**Table 7-46. Radiated Spurious Data (NR Band n12 – High Channel – Ant A) below 1GHz**

Bandwidth (MHz):	15
Frequency (MHz):	706.5
RB / Offset:	1 / 39
Mode:	Stand Alone

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]
1413.0	H	-	-	-68.01	-0.35	38.64	-56.62	-13.00	-43.62
2119.5	H	112	311	-65.46	4.37	45.91	-49.35	-13.00	-36.35
2826.0	H	-	-	-69.54	6.27	43.73	-51.53	-13.00	-38.53
3532.5	H	-	-	-69.97	7.35	44.38	-50.87	-13.00	-37.87

**Table 7-47. Radiated Spurious Data (NR Band n12 – Low Channel – Ant A)**

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

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]
1415.0	H	-	-	-67.94	-0.34	38.72	-56.54	-13.00	-43.54
2122.5	H	112	328	-65.34	4.34	46.00	-49.26	-13.00	-36.26
2830.0	H	-	-	-70.54	6.32	42.78	-52.48	-13.00	-39.48
3537.5	H	-	-	-71.08	7.37	43.29	-51.97	-13.00	-38.97

**Table 7-48. Radiated Spurious Data (NR Band n12 – Mid Channel – Ant A)**

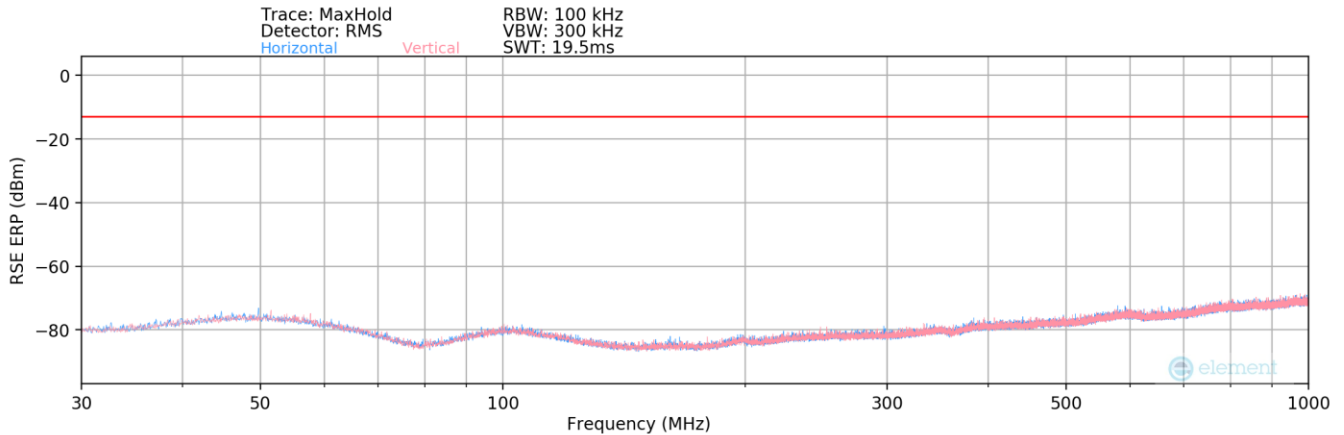
Bandwidth (MHz):	15
Frequency (MHz):	708.5
RB / Offset:	1 / 39
Mode:	Stand Alone

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]
1417.0	H	117	178	-68.65	-0.31	38.04	-57.21	-13.00	-44.21
2125.5	H	145	337	-63.58	4.30	47.72	-47.53	-13.00	-34.53
2834.0	H	-	-	-70.99	6.35	42.36	-52.90	-13.00	-39.90
3542.5	H	-	-	-69.89	7.41	44.52	-50.73	-13.00	-37.73

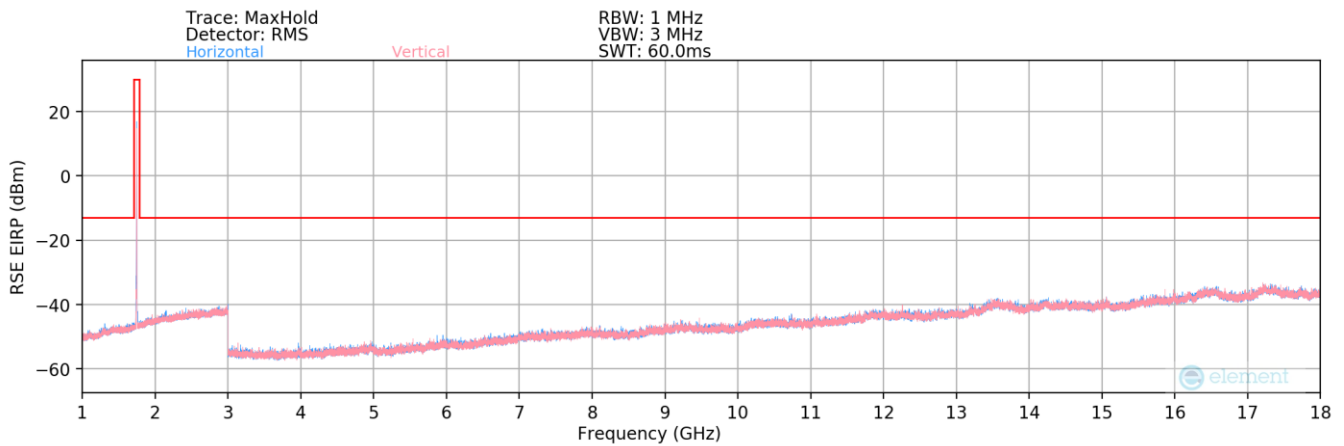
**Table 7-49. Radiated Spurious Data (NR Band n12 – High Channel – Ant A)**

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-03.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 215 of 238

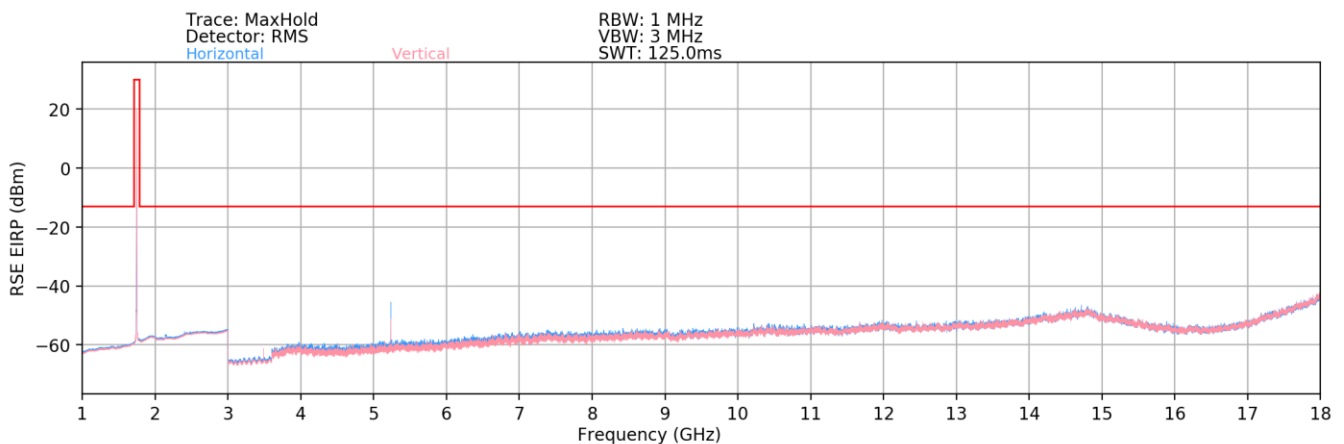
## LTE Band 66/4 – Ant F



**Plot 7-345. Radiated Spurious Plot (LTE Band 66/4 – Ant F) below 1GHz**



**Plot 7-346. Radiated Spurious Plot (LTE Band 66/4 – Ant F) above 1GHz – Closed**



**Plot 7-347. Radiated Spurious Plot (LTE Band 66/4 – Ant F) above 1GHz – Open**

FCC ID: A3LSMF936B	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2204110052-03.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 216 of 238

Bandwidth (MHz):	20
Frequency (MHz):	1720
RB / Offset:	1 / 50
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 [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
860.00	V	-	-	-70.39	-3.87	32.74	-62.52	-13.00	-49.52
3440.00	V	-	-	-80.56	7.72	34.16	-61.10	-13.00	-48.10
5160.00	V	150	252	-79.11	10.66	38.55	-56.71	-13.00	-43.71
6880.00	V	-	-	-82.97	14.05	38.08	-57.18	-13.00	-44.18
8600.00	V	-	-	-83.99	17.88	40.89	-54.37	-13.00	-41.37
10320.00	V	-	-	-83.76	20.27	43.51	-51.75	-13.00	-38.75
12040.00	V	-	-	-83.88	22.65	45.77	-49.49	-13.00	-36.49
13760.00	V	-	-	-84.27	26.11	48.84	-46.42	-13.00	-33.42

**Table 7-50. Radiated Spurious Data (LTE Band 66/4 – Low Channel – Ant F)**

Bandwidth (MHz):	20
Frequency (MHz):	1745
RB / Offset:	1 / 50
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 [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
872.50	V	-	-	-70.11	-3.74	33.15	-62.10	-13.00	-49.10
3490.00	V	-	-	-80.35	7.65	34.30	-60.96	-13.00	-47.96
5235.00	V	339	126	-79.71	10.46	37.75	-57.50	-13.00	-44.50
6980.00	V	-	-	-82.34	14.58	39.24	-56.02	-13.00	-43.02
8725.00	V	-	-	-84.13	17.30	40.17	-55.09	-13.00	-42.09
10470.00	V	-	-	-83.64	20.32	43.68	-51.58	-13.00	-38.58
12215.00	V	-	-	-83.93	22.96	46.03	-49.23	-13.00	-36.23
13960.00	V	-	-	-85.17	26.07	47.90	-47.36	-13.00	-34.36

**Table 7-51. Radiated Spurious Data (LTE Band 66/4 – Mid Channel – Ant F)**

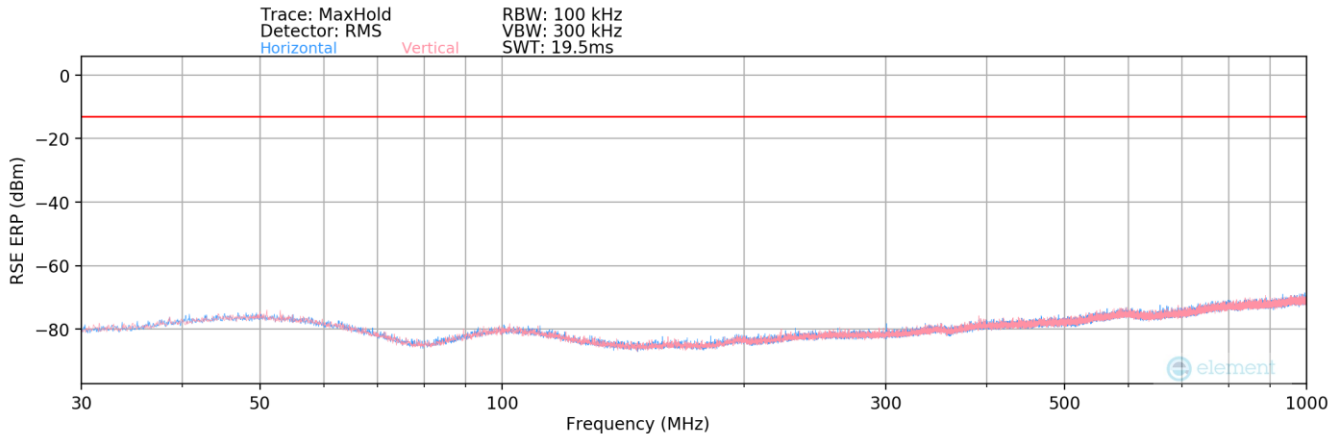
Bandwidth (MHz):	20
Frequency (MHz):	1770
RB / Offset:	1 / 50
Detector / Trace Mode:	RMS / Average

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
885.00	V	-	-	-70.29	-3.80	32.91	-62.35	-13.00	-49.35
3540.00	V	-	-	-80.17	7.88	34.71	-60.54	-13.00	-47.54
5310.00	V	-	-	-82.01	11.22	36.21	-59.05	-13.00	-46.05
7080.00	V	-	-	-82.51	14.92	39.41	-55.85	-13.00	-42.85
8850.00	V	-	-	-84.61	17.72	40.11	-55.15	-13.00	-42.15
10620.00	V	-	-	-83.99	20.71	43.72	-51.54	-13.00	-38.54
12390.00	V	-	-	-84.01	23.56	46.55	-48.70	-13.00	-35.70
14160.00	V	-	-	-85.38	26.83	48.45	-46.80	-13.00	-33.80

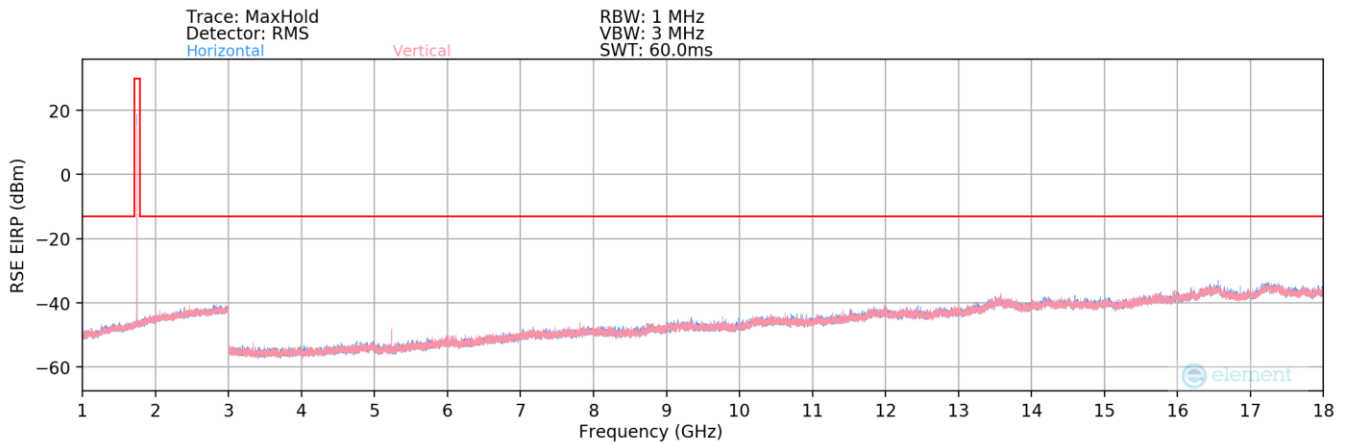
**Table 7-52. Radiated Spurious Data (LTE Band 66/4 – High Channel – Ant F)**

FCC ID: A3LSMF936B	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2204110052-03.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 217 of 238

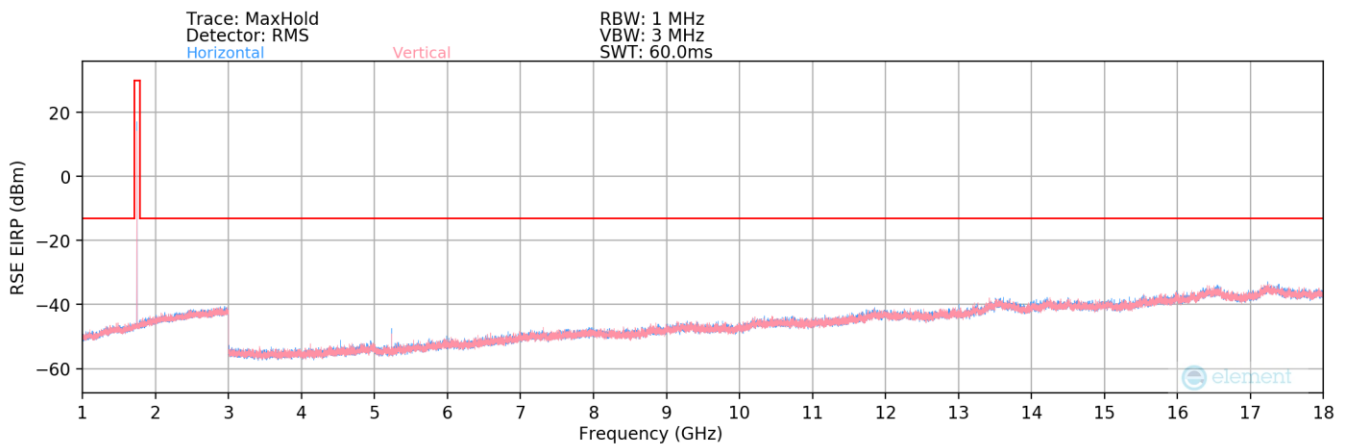
## NR Band n66 – Ant F



**Plot 7-348. Radiated Spurious Plot (NR Band n66 – Ant F) below 1GHz**



**Plot 7-349. Radiated Spurious Plot (NR Band n66– Ant F) above 1GHz – Closed**



**Plot 7-350. Radiated Spurious Plot (NR Band n66– Ant F) above 1GHz – Open**

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-03.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 218 of 238



Bandwidth (MHz):	20
Frequency (MHz):	1745
RB / Offset:	1 / 53
Mode:	Standalone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
872.50	V	-	-	-71.01	-3.74	32.25	-65.15	-13.00	-52.15

**Table 7-53. Radiated Spurious Data (NR Band n66 – Mid Channel – Ant F) – Below 1GHz**

Bandwidth (MHz):	20
Frequency (MHz):	1720
RB / Offset:	1 / 53
Mode:	Standalone

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]
3440.00	V	-	-	-81.33	7.72	33.39	-61.87	-13.00	-48.87
5160.00	V	107	238	-76.49	10.66	41.17	-54.09	-13.00	-41.09
6880.00	V	-	-	-82.67	14.05	38.38	-56.88	-13.00	-43.88
8600.00	V	-	-	-83.21	17.88	41.67	-53.59	-13.00	-40.59
10320.00	V	-	-	-83.93	20.27	43.34	-51.92	-13.00	-38.92
12040.00	V	-	-	-84.11	22.65	45.54	-49.72	-13.00	-36.72
13760.00	V	-	-	-85.01	26.11	48.10	-47.16	-13.00	-34.16

**Table 7-54. Radiated Spurious Data (NR Band n66 – Low Channel – Ant F)**

Bandwidth (MHz):	20
Frequency (MHz):	1745
RB / Offset:	1 / 53
Mode:	Standalone

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]
3490.00	V	-	-	-80.30	7.65	34.35	-60.91	-13.00	-47.91
5235.00	V	304	205	-80.39	10.46	37.07	-58.18	-13.00	-45.18
6980.00	V	-	-	-82.57	14.58	39.01	-56.25	-13.00	-43.25
8725.00	V	-	-	-83.18	17.30	41.12	-54.14	-13.00	-41.14
10470.00	V	-	-	-83.99	20.32	43.33	-51.93	-13.00	-38.93
12215.00	V	-	-	-84.32	22.96	45.64	-49.62	-13.00	-36.62
13960.00	V	-	-	-84.88	26.07	48.19	-47.07	-13.00	-34.07

**Table 7-55. Radiated Spurious Data (NR Band n66 – Mid Channel – Ant F)**

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-03.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 219 of 238



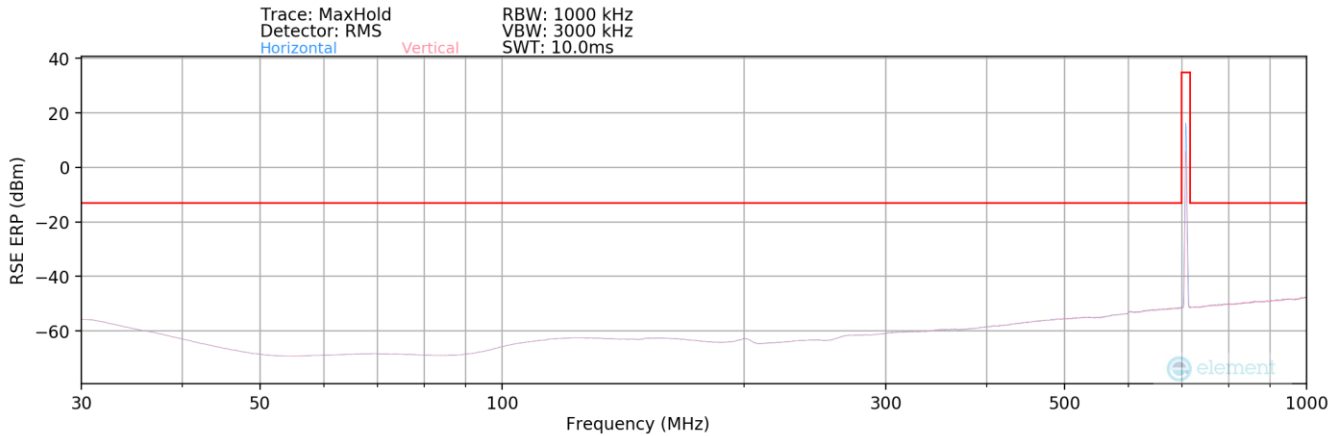
Bandwidth (MHz):	20
Frequency (MHz):	1770
RB / Offset:	1 / 53
Mode:	Standalone

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]
3540.00	V	-	-	-80.67	7.88	34.21	-61.04	-13.00	-48.04
5310.00	V	107	141	-80.88	11.22	37.34	-57.92	-13.00	-44.92
7080.00	V	-	-	-81.99	14.92	39.93	-55.33	-13.00	-42.33
8850.00	V	-	-	-82.67	17.72	42.05	-53.21	-13.00	-40.21
10620.00	V	-	-	-83.54	20.71	44.17	-51.09	-13.00	-38.09
12390.00	V	-	-	-84.98	23.56	45.58	-49.67	-13.00	-36.67
14160.00	V	-	-	-84.56	26.83	49.27	-45.98	-13.00	-32.98

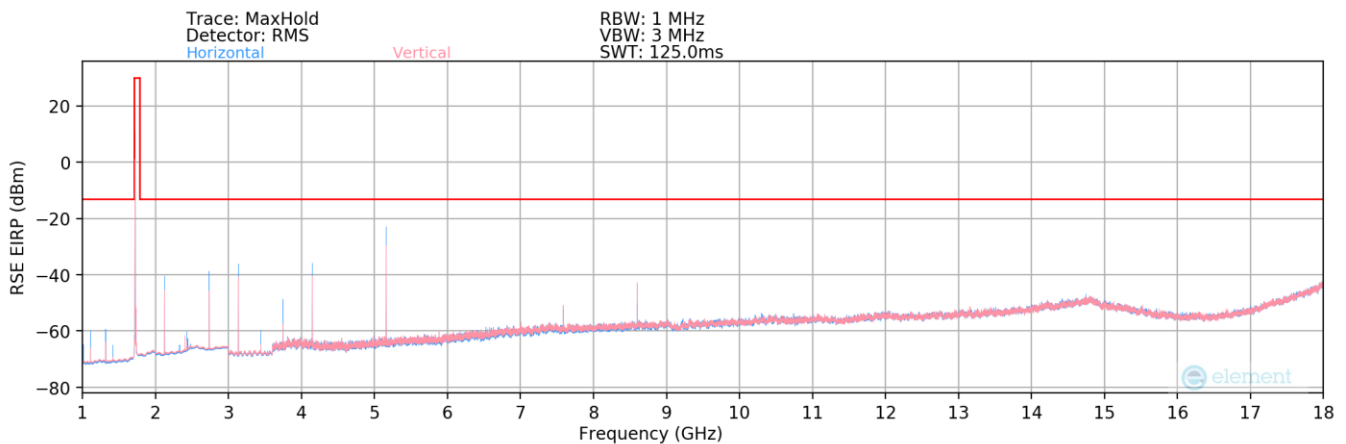
**Table 7-56. Radiated Spurious Data (NR Band n66 – High Channel – Ant F)**

<b>FCC ID:</b> A3LSMF936B	<b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2204110052-03.A3L	<b>Test Dates:</b> 4/11/2022 - 6/18/2022	<b>EUT Type:</b> Portable Handset	Page 220 of 238

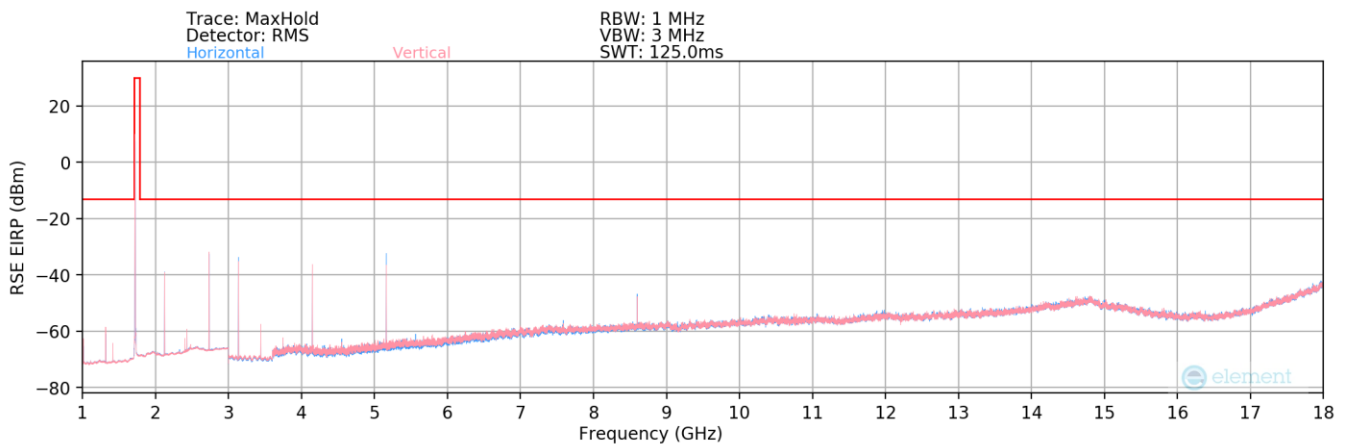
## EN-DC NR Band n66 – LTE Band 12



**Plot 7-351. Radiated Spurious Plot (EN-DC NR Band n66 – LTE Band 12) below 1GHz**



**Plot 7-352. Radiated Spurious Plot (EN-DC NR Band n66 – LTE Band 12) above 1GHz –Closed**



**Plot 7-353. Radiated Spurious Plot (EN-DC NR Band n66 – LTE Band 12) above 1GHz – Half**

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-03.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 221 of 238



<b>Bandwidth (MHz):</b>	20 & 10
<b>Frequency (MHz):</b>	1720 & 707.5
<b>RB / Offset:</b>	1 / 53 & 1 / 25
<b>Mode:</b>	EN-DC
<b>Anchor Band:</b>	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]
970.00	H	-	-	-83.27	31.07	54.80	-40.46	-13.00	-27.46
2123.00	H	191	324	-50.31	3.62	60.31	-34.95	-13.00	-21.95
2732.50	H	159	253	-60.71	5.49	51.78	-43.47	-13.00	-30.47
3135.00	H	109	177	-43.98	-1.60	61.42	-33.84	-13.00	-20.84
4147.50	H	107	181	-47.82	0.81	59.99	-35.26	-13.00	-22.26
5160.00	H	400	178	-40.25	2.11	68.86	-26.40	-13.00	-13.40
7587.50	H	107	260	-75.88	7.29	38.41	-56.85	-13.00	-43.85
8600.50	H	297	252	-75.29	8.94	40.65	-54.60	-13.00	-41.60

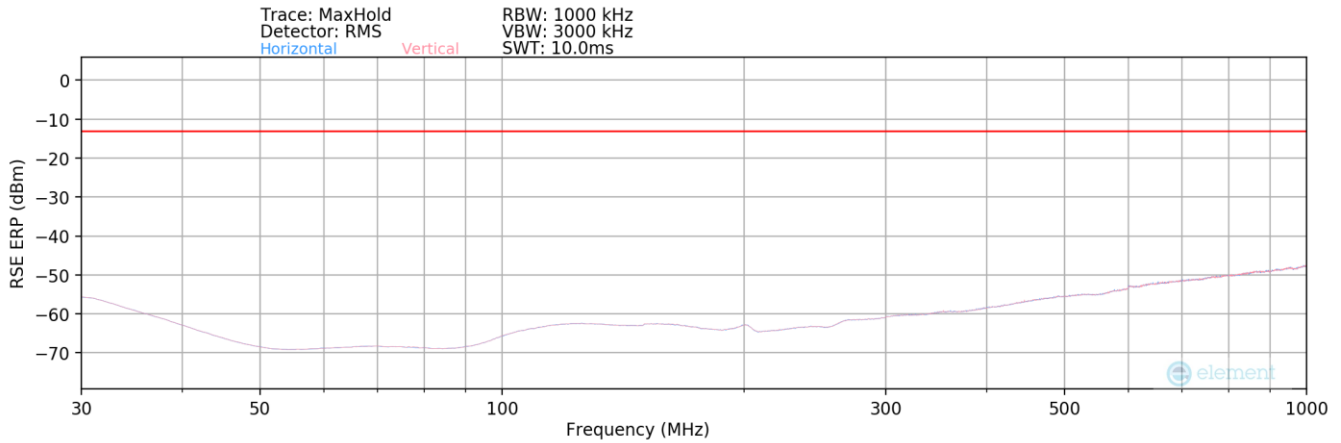
**Table 7-57. Radiated Spurious Data (EN-DC NR Band n66 – LTE Band 12)**

<b>FCC ID:</b> A3LSMF936B	<b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2204110052-03.A3L	<b>Test Dates:</b> 4/11/2022 - 6/18/2022	<b>EUT Type:</b> Portable Handset	Page 222 of 238

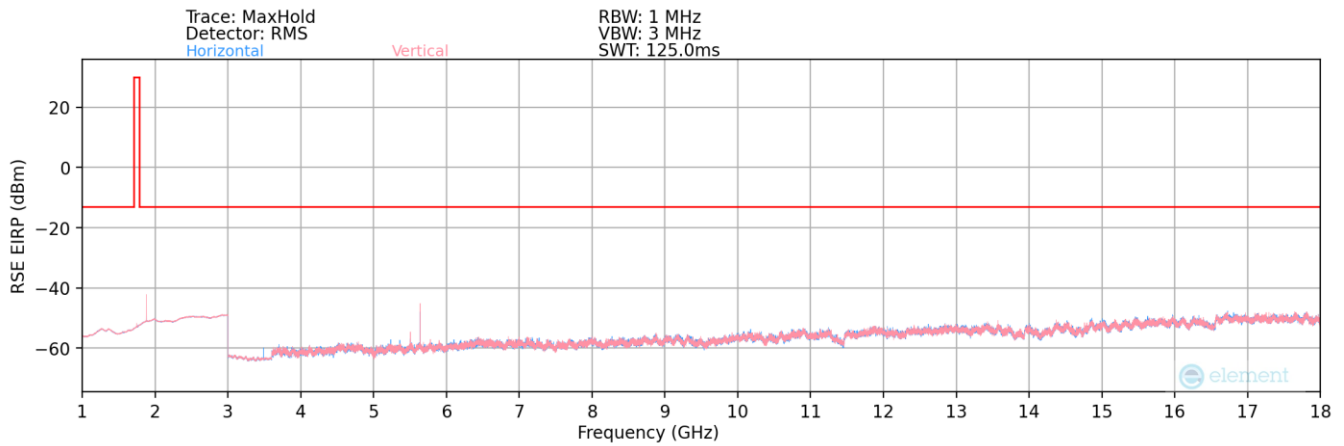
V3.0 1/5/2022



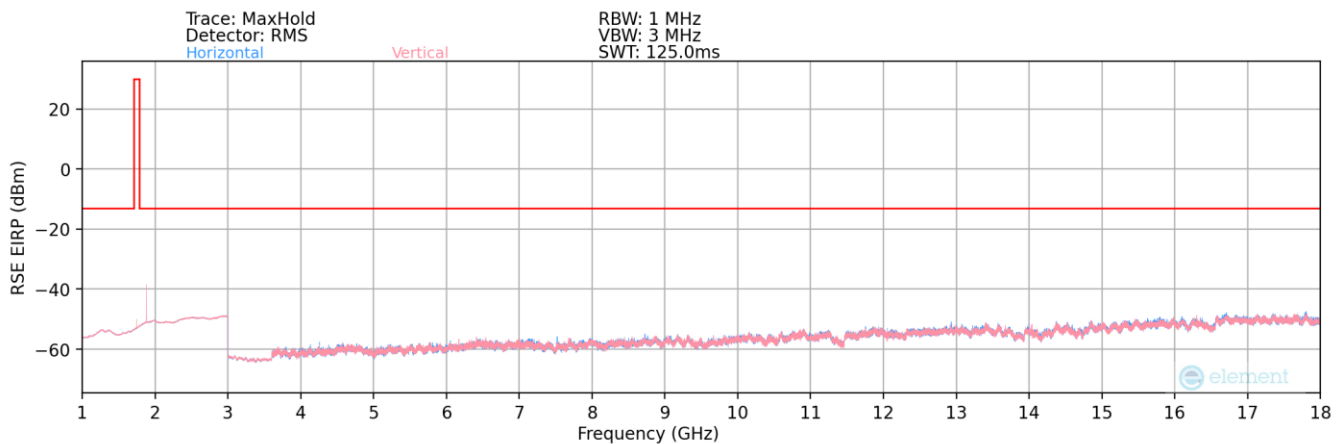
## EN-DC NR Band n66 – LTE Band 2



**Plot 7-354. Radiated Spurious Plot (EN-DC NR Band n66 – LTE Band 2) below 1GHz**



**Plot 7-355. Radiated Spurious Plot (EN-DC NR Band n66 – LTE Band 2) above 1GHz –Closed**



**Plot 7-356. Radiated Spurious Plot (EN-DC NR Band n66 – LTE Band 2) above 1GHz – Half**

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-03.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 223 of 238



<b>Bandwidth (MHz):</b>	20 & 10
<b>Frequency (MHz):</b>	1720 & 1880
<b>RB / Offset:</b>	1 / 53 & 1 / 50
<b>Mode:</b>	EN-DC
<b>Anchor Band:</b>	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]
980.00	V	-	-	-83.56	31.26	54.70	-40.56	-13.00	-27.56
1400.00	V	-	-	-75.23	9.72	41.49	-53.77	-13.00	-40.77
1560.00	V	137	63	-39.30	10.21	77.91	-17.35	-13.00	-4.35
2040.00	V	157	61	-44.92	12.93	75.01	-20.25	-13.00	-7.25
2200.00	V	-	-	-75.33	13.38	45.05	-50.21	-13.00	-37.21
3760.00	V	400	25	-59.88	0.44	47.56	-47.70	-13.00	-34.70
5480.50	V	400	23	-59.01	2.75	50.74	-44.52	-13.00	-31.52
5640.00	V	400	240	-47.28	2.78	62.50	-32.76	-13.00	-19.76

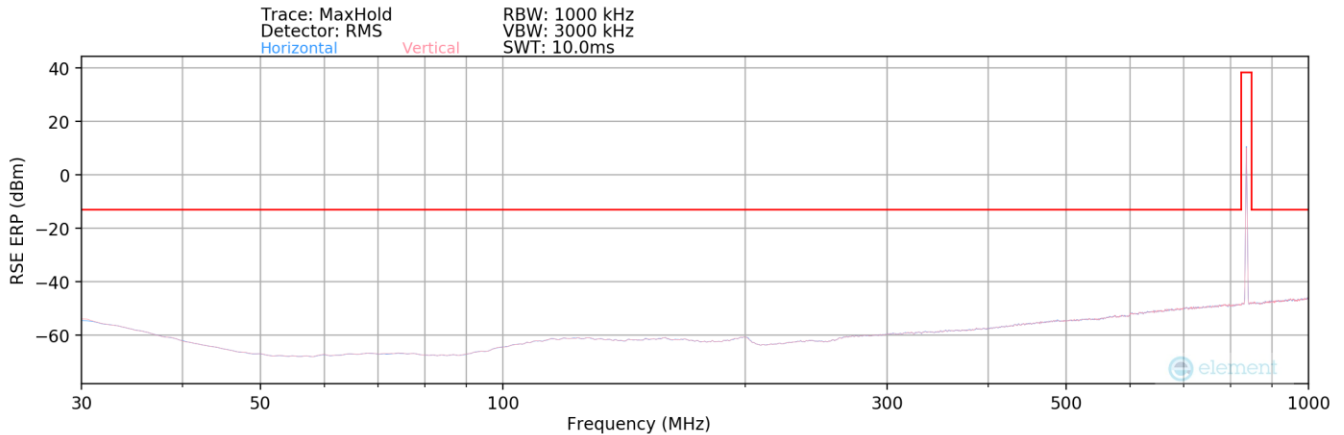
**Table 7-58. Radiated Spurious Data (EN-DC NR Band n66 – LTE Band 2)**

<b>FCC ID:</b> A3LSMF936B	<b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2204110052-03.A3L	<b>Test Dates:</b> 4/11/2022 - 6/18/2022	<b>EUT Type:</b> Portable Handset	Page 224 of 238

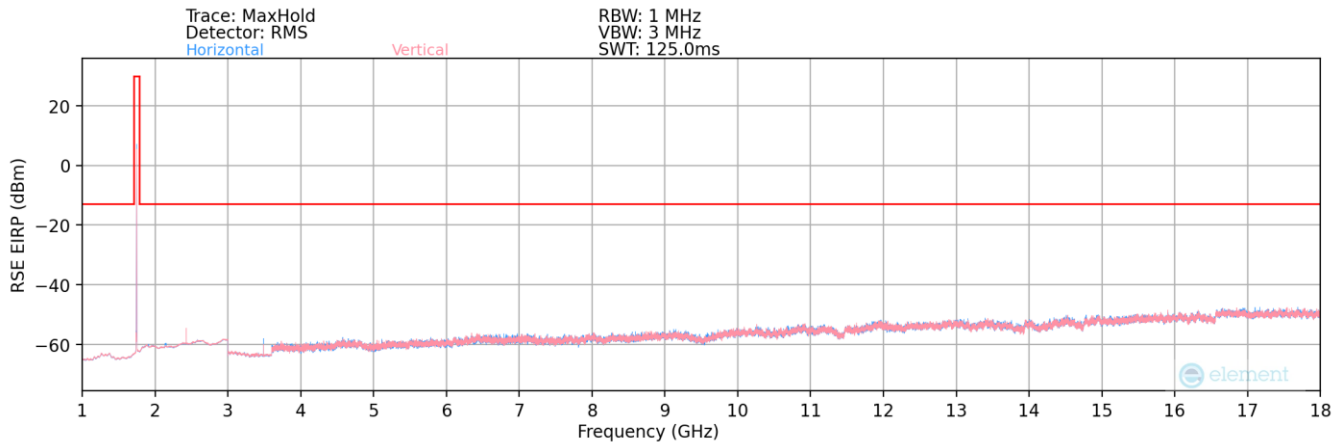
V3.0 1/5/2022

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

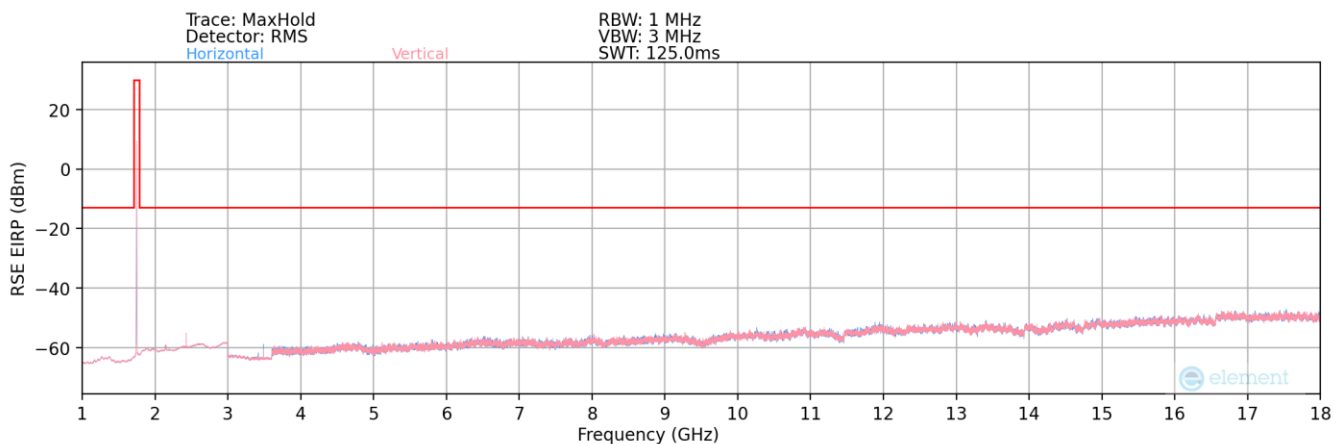
# LTE ULCA Band 5 - Band 66/4



**Plot 7-357. Radiated Spurious Plot (LTE ULCA Band 5 - Band 66/4) below 1GHz**



**Plot 7-358. Radiated Spurious Plot (LTE ULCA Band 5 - Band 66/4) above 1GHz – Half**



**Plot 7-359. Radiated Spurious Plot (LTE ULCA Band 5 - Band 66/4) above 1GHz – Open**

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-03.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 225 of 238



Bandwidth (MHz):	10 & 20
Frequency (MHz):	836.5 & 1745
RB / Offset:	1 / 25 & 1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
980.50	V	-	-	-98.11	31.94	40.83	-56.57	-13.00	-43.57

**7-59. Radiated Spurious Data (LTE ULCA Band 5 - Band 66/4) – Below 1GHz**

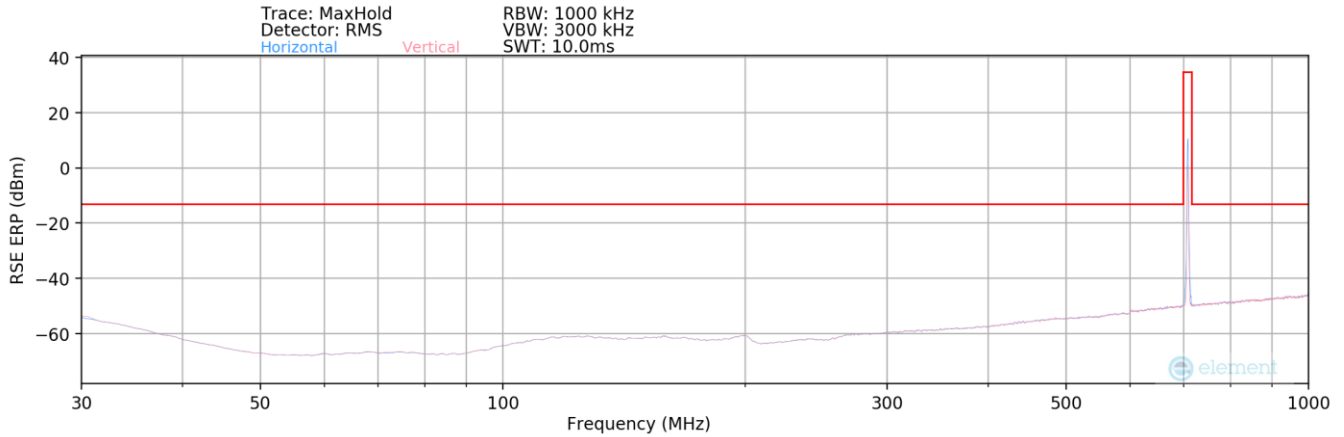
Bandwidth (MHz):	10 & 20
Frequency (MHz):	836.5 & 1745
RB / Offset:	1 / 25 & 1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
2426.50	V	296	147	-74.99	0.62	32.63	-62.63	-13.00	-49.63
2653.50	V	-	-	-76.65	1.77	32.12	-63.14	-13.00	-50.14
3490.00	H	126	195	-69.09	2.69	40.60	-54.66	-13.00	-41.66
3562.00	V	-	-	-76.76	2.36	32.60	-62.66	-13.00	-49.66
4470.50	V	-	-	-77.54	3.74	33.20	-62.06	-13.00	-49.06
5379.00	V	-	-	-78.14	5.16	34.02	-61.23	-13.00	-48.23

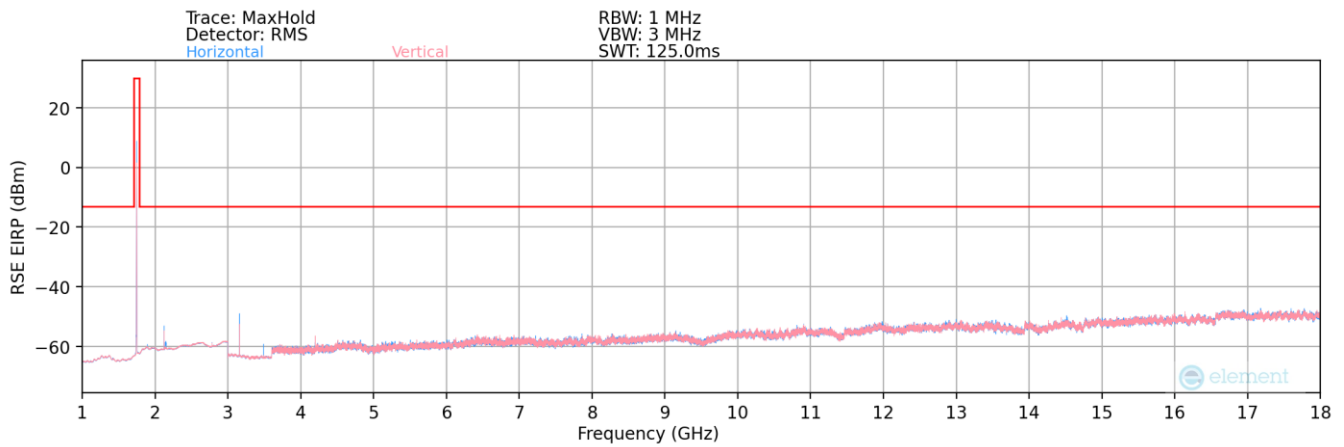
**7-60. Radiated Spurious Data (LTE ULCA Band 5 - Band 66/4)**

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-03.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 226 of 238

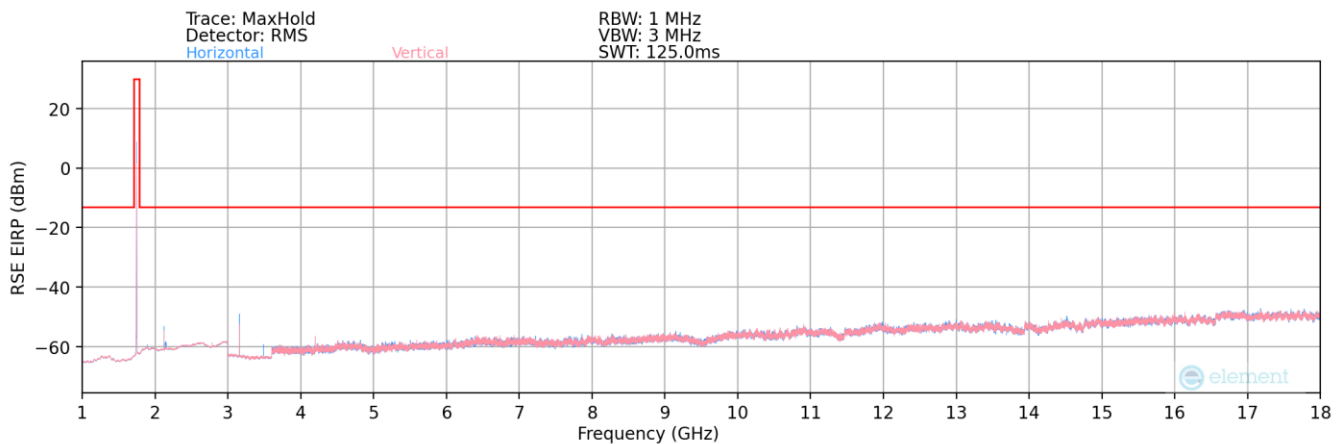
## LTE ULCA Band 12 - Band 66/4



**Plot 7-360. Radiated Spurious Plot (LTE ULCA Band 12 - Band 66/4) below 1GHz**



**Plot 7-361. Radiated Spurious Plot (LTE ULCA Band 12 - Band 66/4) above 1GHz - Open**



**Plot 7-362. Radiated Spurious Plot (LTE ULCA Band 12 - Band 66/4) above 1GHz - Closed**

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-03.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 227 of 238



Bandwidth (MHz):	10 & 20
Frequency (MHz):	707.5 & 1745
RB / Offset:	1 / 25 & 1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
330.00	H	-	-	-94.88	21.58	33.70	-63.71	-13.00	-50.71

**7-61. Radiated Spurious Data (LTE ULCA Band 12 - Band 66/4) – Below 1GHz**

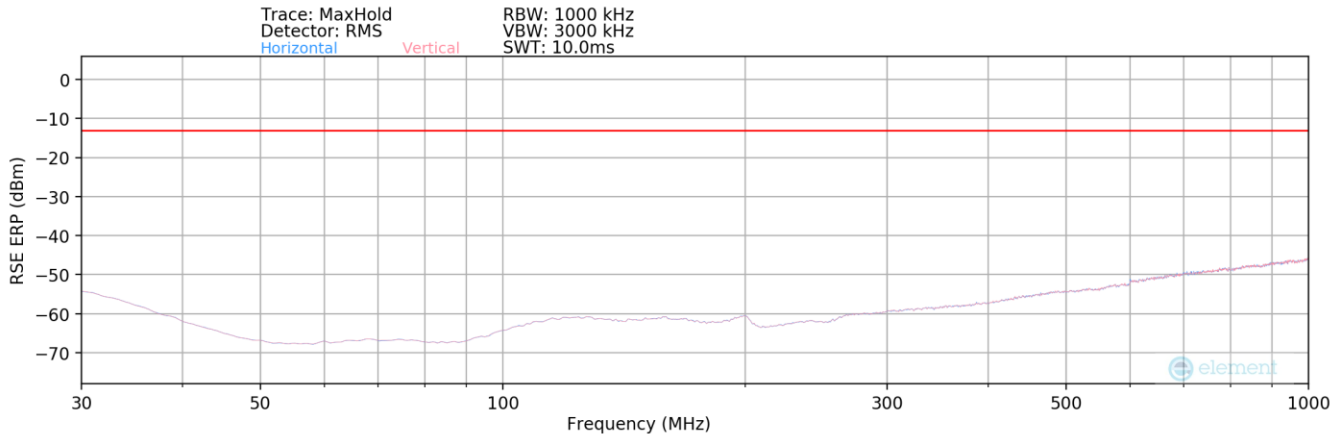
Bandwidth (MHz):	10 & 20
Frequency (MHz):	707.5 & 1745
RB / Offset:	1 / 25 & 1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
2122.50	H	149	330	-47.21	-0.25	59.54	-35.71	-13.00	-22.71
2405.00	H	-	-	-78.80	0.81	29.01	-66.25	-13.00	-53.25
3160.00	H	140	180	-74.87	2.92	35.05	-60.21	-13.00	-47.21
3442.50	H	-	-	-77.27	2.87	32.60	-62.65	-13.00	-49.65
3490.00	H	155	198	-70.47	2.69	39.22	-56.04	-13.00	-43.04
4857.50	H	-	-	-77.99	4.01	33.02	-62.24	-13.00	-49.24
5895.00	H	-	-	-78.52	5.79	34.27	-60.99	-13.00	-47.99

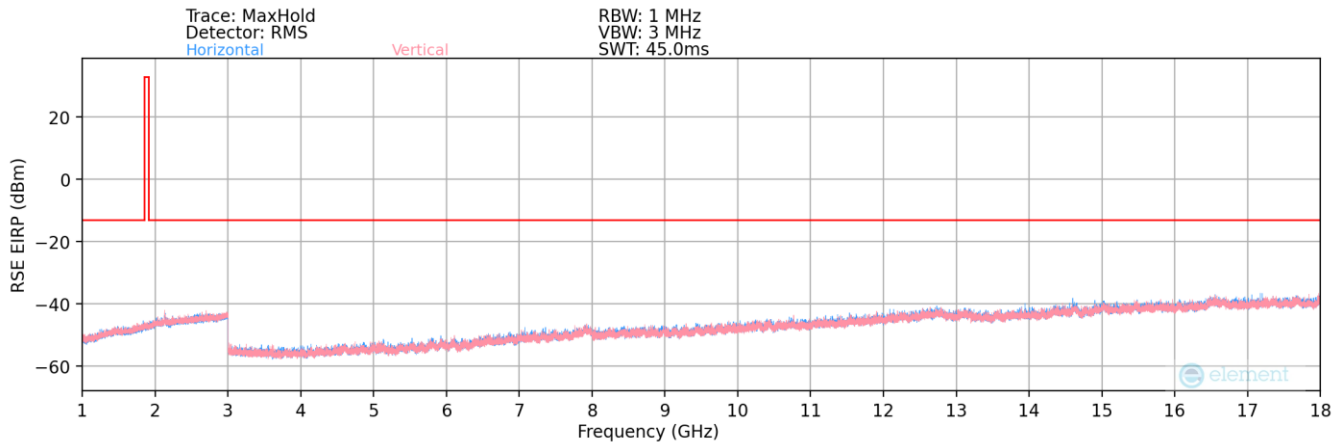
**7-62. Radiated Spurious Data (LTE ULCA Band 12 - Band 66/4)**

FCC ID: A3LSMF936B	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2204110052-03.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 228 of 238

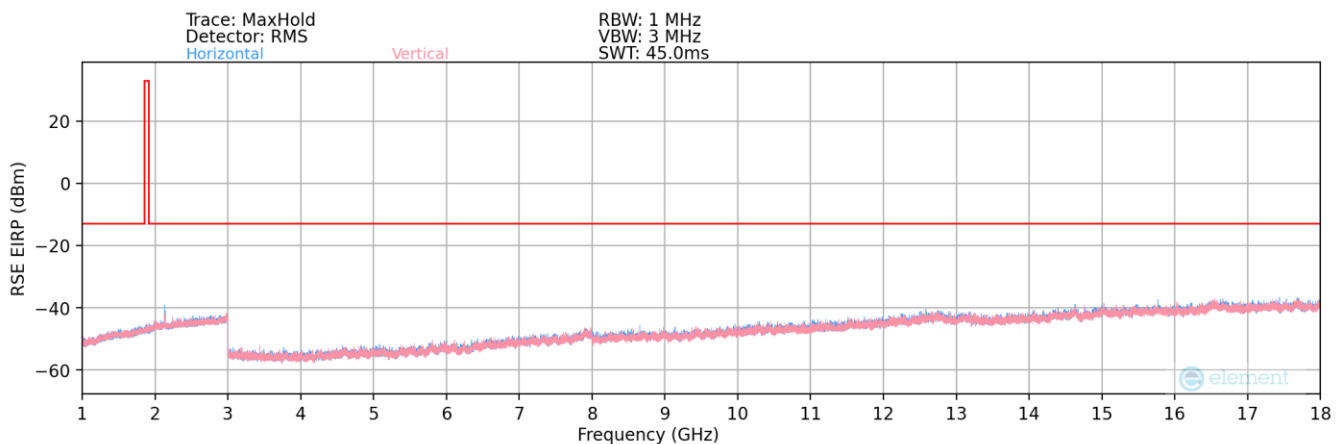
## LTE ULCA Band 2 - Band 4



**Plot 7-363. Radiated Spurious Plot (LTE ULCA Band 2 - Band 4) below 1GHz**



**Plot 7-364. Radiated Spurious Plot (LTE ULCA Band 2 - Band 4) above 1GHz – Open**



**Plot 7-365. Radiated Spurious Plot (LTE ULCA Band 2 - Band 4) above 1GHz – Closed**

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-03.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 229 of 238



Bandwidth (MHz):	20 & 20
Frequency (MHz):	1880 & 1732.5
RB / Offset:	1 / 50 & 1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
950.00	H	-	-	-97.27	31.94	41.67	-55.74	-13.00	-42.74

**7-63. Radiated Spurious Data (LTE ULCA Band 2 - Band 4)**

Bandwidth (MHz):	20 & 20
Frequency (MHz):	1880 & 1732.5
RB / Offset:	1 / 50 & 1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1142.50	H	-	-	-78.13	4.38	33.25	-62.01	-13.00	-49.01
1290.00	H	-	-	-77.86	6.30	35.44	-59.81	-13.00	-46.81
1437.50	H	-	-	-76.57	5.29	35.72	-59.53	-13.00	-46.53
1585.00	H	219	36	-65.49	15.54	57.05	-38.21	-13.00	-25.21
2027.50	H	221	29	-64.97	19.32	61.35	-33.91	-13.00	-20.91
3760.50	H	124	343	-59.17	3.16	50.99	-44.26	-13.00	-31.26
5641.00	V	351	190	-50.64	5.51	61.87	-33.39	-13.00	-20.39

**7-64. Radiated Spurious Data (LTE ULCA Band 2 - Band 4)**

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-03.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 230 of 238





## 7.9 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” 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

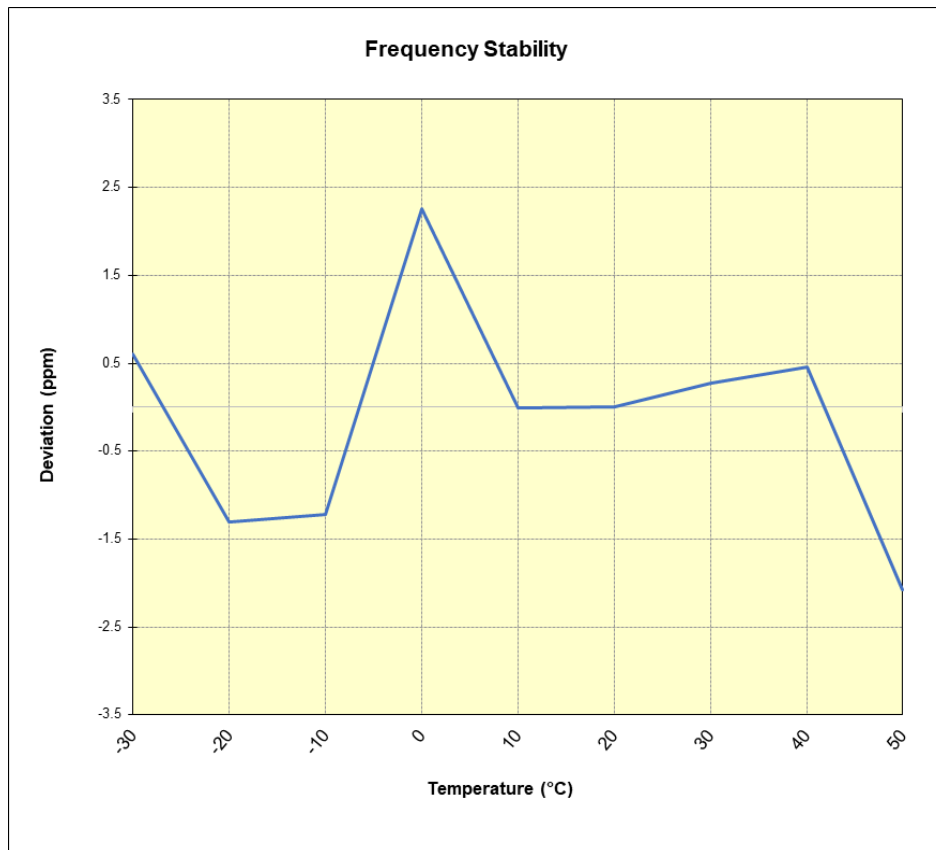
<b>FCC ID:</b> A3LSMF936B	<b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2204110052-03.A3L	<b>Test Dates:</b> 4/11/2022 - 6/18/2022	<b>EUT Type:</b> Portable Handset	Page 231 of 238

V3.0 1/5/2022

## Frequency Stability / Temperature Variation

LTE Band 12					
		Operating Frequency (Hz):		707,500,000	
		Ref. Voltage (VDC):		4.38	
		Deviation Limit:		± 0.00025% or 2.5 ppm	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.38	- 30	707,590,210	425	0.0000601
		- 20	707,588,865	-920	-0.0001300
		- 10	707,588,918	-866	-0.0001224
		0	707,591,385	1,601	0.0002262
		+ 10	707,589,775	-9	-0.0000013
		+ 20 (Ref)	707,589,784	0	0.0000000
		+ 30	707,589,979	195	0.0000275
		+ 40	707,590,108	323	0.0000457
		+ 50	707,588,313	-1,472	-0.0002080
Battery Endpoint	3.35	+ 20	707,589,666	-118	-0.0000167

Table 7-65. LTE Band 12 Frequency Stability Data



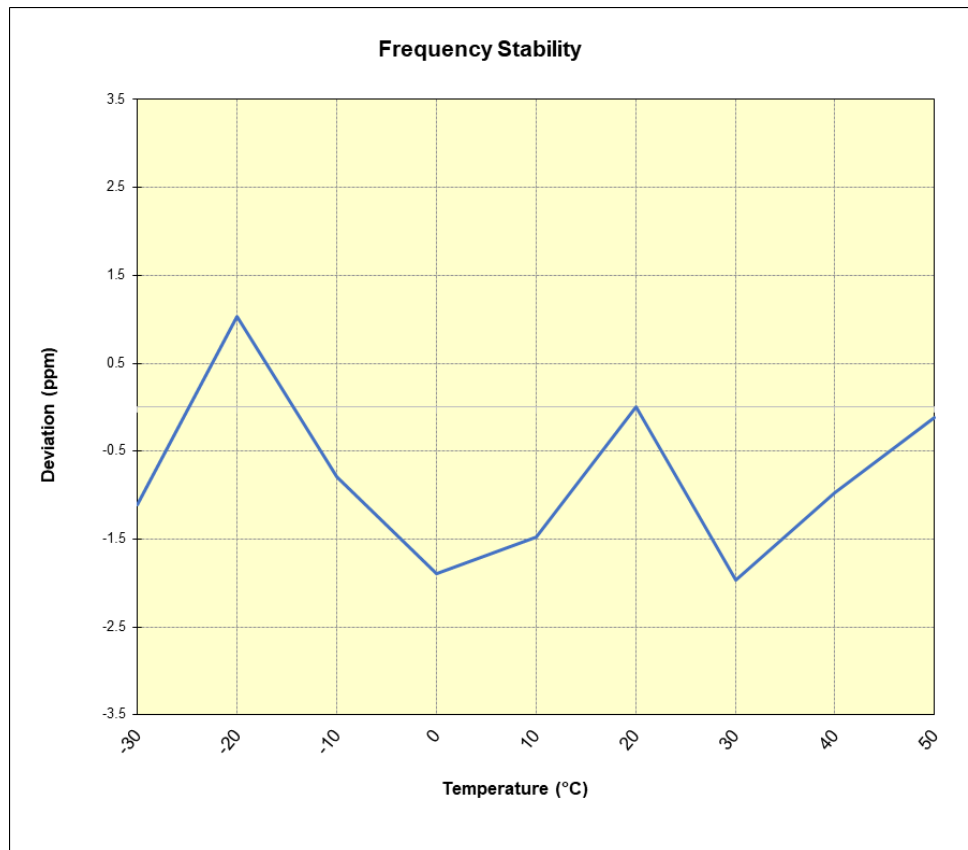
Plot 7-366. LTE Band 12 Frequency Stability Chart

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-03.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 232 of 238

## Frequency Stability / Temperature Variation

<b>LTE Band 13</b>					
		Operating Frequency (Hz):		782,000,000	
		Ref. Voltage (VDC):		4.38	
		Deviation Limit:		± 0.00025% or 2.5 ppm	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.38	- 30	782,081,748	-869	-0.0001111
		- 20	782,083,429	812	0.0001038
		- 10	782,082,002	-615	-0.0000786
		0	782,081,139	-1,478	-0.0001890
		+ 10	782,081,459	-1,158	-0.0001481
		+ 20 (Ref)	782,082,617	0	0.0000000
		+ 30	782,081,081	-1,536	-0.0001964
		+ 40	782,081,854	-763	-0.0000975
		+ 50	782,082,523	-94	-0.0000121
Battery Endpoint	3.35	+ 20	782,083,012	395	0.0000505

**Table 7-66. LTE Band 13 Frequency Stability Data**



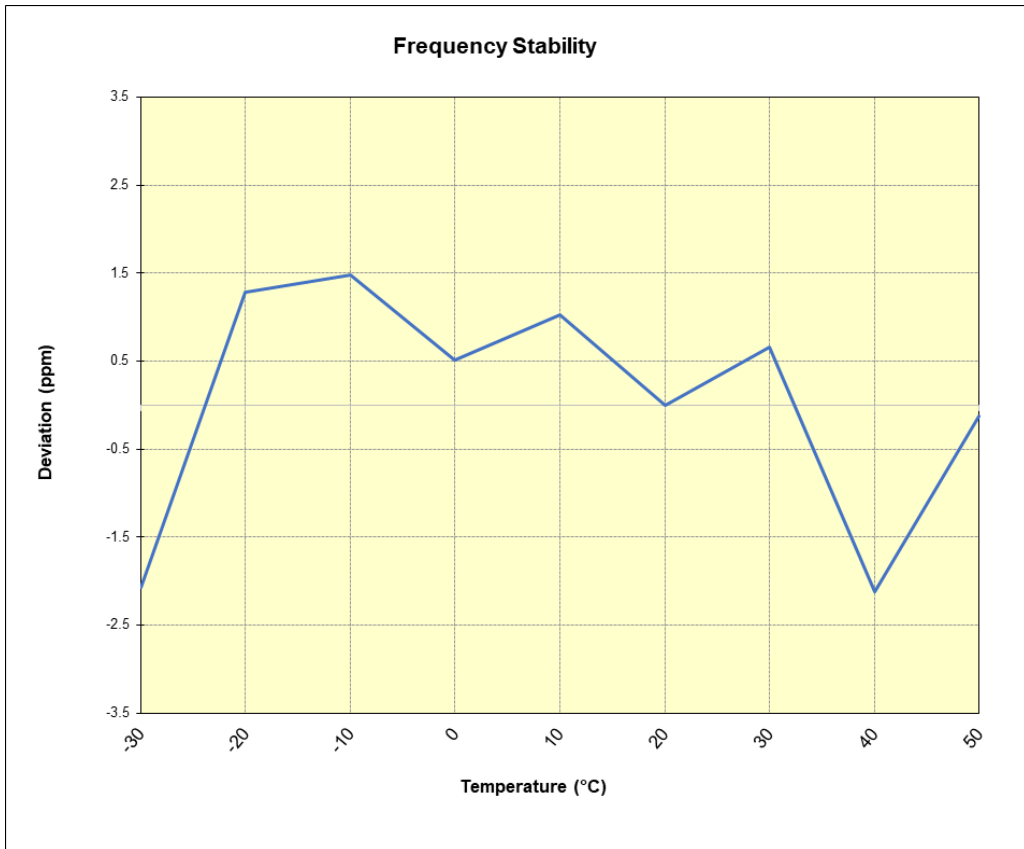
**Plot 7-367. LTE Band 13 Frequency Stability Chart**

<b>FCC ID:</b> A3LSMF936B	<b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2204110052-03.A3L	<b>Test Dates:</b> 4/11/2022 - 6/18/2022	<b>EUT Type:</b> Portable Handset	Page 233 of 238

## Frequency Stability / Temperature Variation

NR Band n12					
		Operating Frequency (Hz):		707,500,000	
		Ref. Voltage (VDC):		4.38	
		Deviation Limit:		± 0.00025% or 2.5 ppm	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.38	- 30	707,120,640	-1,461	-0.0002067
		- 20	707,123,009	908	0.0001284
		- 10	707,123,145	1,044	0.0001476
		0	707,122,468	367	0.0000519
		+ 10	707,122,829	728	0.0001029
		+ 20 (Ref)	707,122,101	0	0.0000000
		+ 30	707,122,563	462	0.0000653
		+ 40	707,120,605	-1,496	-0.0002115
Battery Endpoint	3.35	+ 20	707,122,598	497	0.0000702

Table 7-67. NR Band n12 Frequency Stability Data



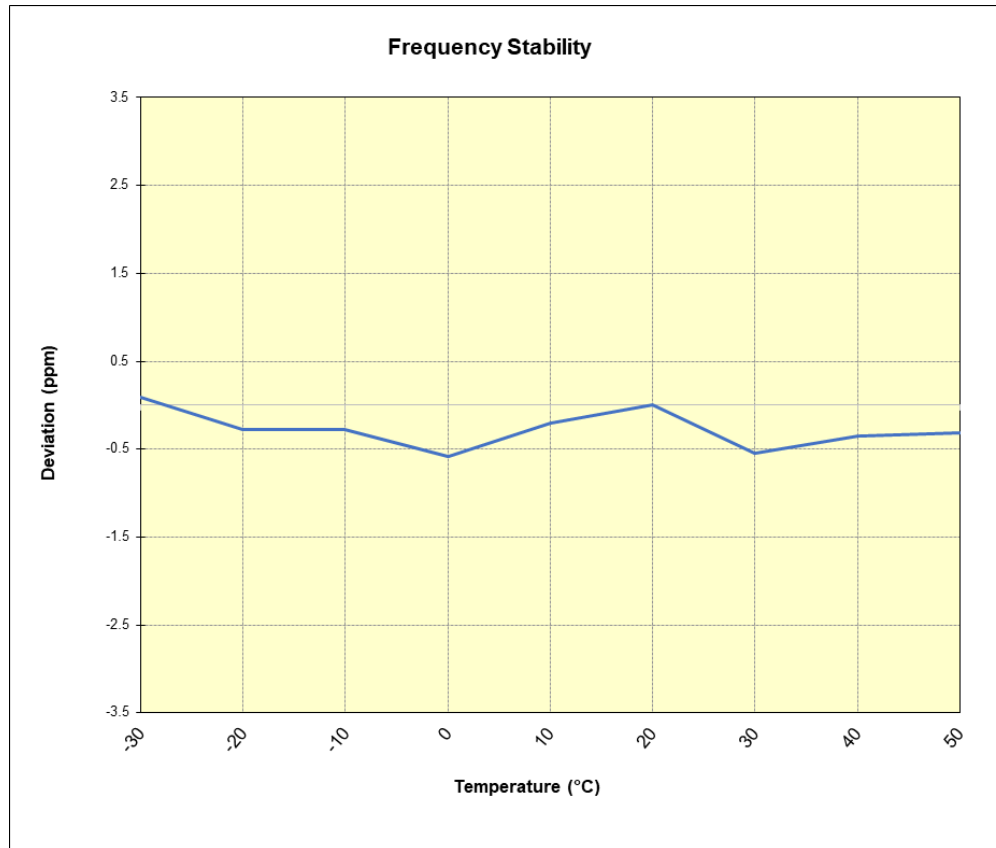
Plot 7-368. NR Band n12 Frequency Stability Chart

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-03.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 234 of 238

## Frequency Stability / Temperature Variation

<b>WCDMA AWS</b>					
		Operating Frequency (Hz):		1,732,600,000	
		Ref. Voltage (VDC):		4.38	
		Deviation Limit:		± 0.00025% or 2.5 ppm	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.38	- 30	1,732,600,788	158	0.0000091
		- 20	1,732,600,152	-478	-0.0000276
		- 10	1,732,600,152	-478	-0.0000276
		0	1,732,599,619	-1,011	-0.0000584
		+ 10	1,732,600,287	-343	-0.0000198
		+ 20 (Ref)	1,732,600,630	0	0.0000000
		+ 30	1,732,599,675	-955	-0.0000551
		+ 40	1,732,600,023	-607	-0.0000350
Battery Endpoint	3.35	+ 20	1,732,600,449	-181	-0.0000104

**Table 7-68. WCDMA AWS Frequency Stability Data**



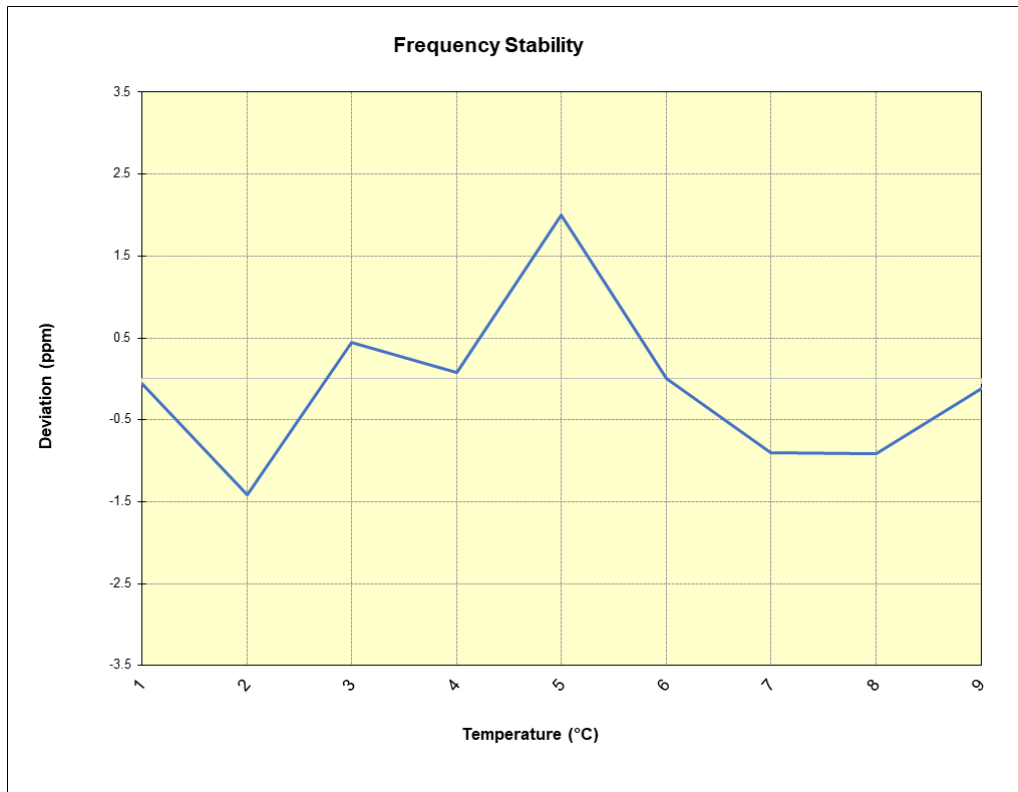
**Plot 7-369. WCDMA AWS Frequency Stability Chart**

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-03.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 235 of 238

## Frequency Stability / Temperature Variation

LTE Band 66					
		Operating Frequency (Hz):		1,745,000,000	
		Ref. Voltage (VDC):		4.38	
		Deviation Limit:		± 0.00025% or 2.5 ppm	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.38	- 30	1,745,092,982	-109	-0.0000063
		- 20	1,745,090,625	-2,467	-0.0001413
		- 10	1,745,093,868	777	0.0000445
		0	1,745,093,216	125	0.0000072
		+ 10	1,745,096,576	3,484	0.0001997
		+ 20 (Ref)	1,745,093,091	0	0.0000000
		+ 30	1,745,091,511	-1,580	-0.0000905
		+ 40	1,745,091,495	-1,596	-0.0000915
Battery Endpoint	3.35	+ 20	1,745,093,159	68	0.0000039

**Table 7-69. LTE Band 66/4 Frequency Stability Data**



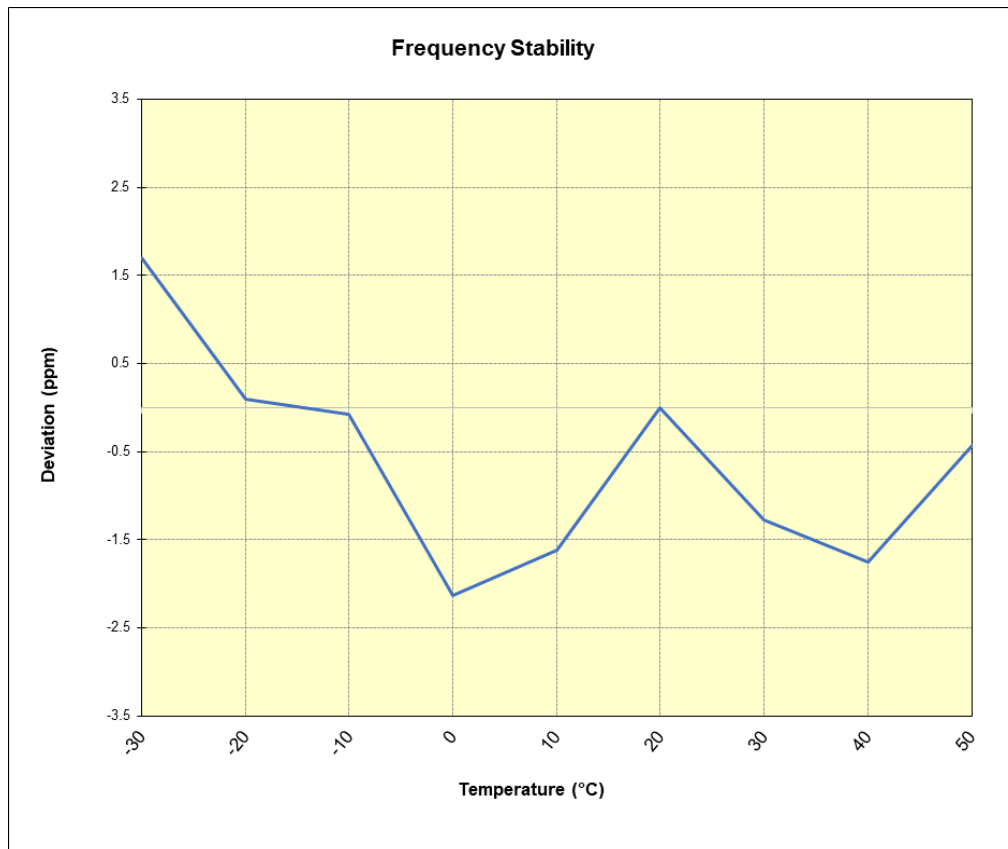
**Plot 7-370. LTE Band 66/4 Frequency Stability Chart**

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-03.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 236 of 238

## Frequency Stability / Temperature Variation

<b>NR Band n66</b>					
		Operating Frequency (Hz):	1,745,000,000		
		Ref. Voltage (VDC):	4.38		
		Deviation Limit:	± 0.00025% or 2.5 ppm		
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.38	- 30	1,745,079,854	2,967	0.0001700
		- 20	1,745,077,048	161	0.0000092
		- 10	1,745,076,759	-128	-0.0000073
		0	1,745,073,166	-3,721	-0.0002132
		+ 10	1,745,074,069	-2,818	-0.0001615
		+ 20 (Ref)	1,745,076,887	0	0.0000000
		+ 30	1,745,074,668	-2,219	-0.0001272
		+ 40	1,745,073,819	-3,068	-0.0001758
		+ 50	1,745,076,143	-744	-0.0000426
Battery Endpoint	3.35	+ 20	1,745,073,177	-3,710	-0.0002126

**Table 7-70. NR Band n66 Frequency Stability Data**



**Plot 7-371. NR Band n66 Frequency Stability Chart**

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-03.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 237 of 238

## 8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung Portable Handset FCC ID: A3LSMF936B** complies with all the requirements of Part 27 of the FCC rules.

<b>FCC ID:</b> A3LSMF936B	<b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2204110052-03.A3L	<b>Test Dates:</b> 4/11/2022 - 6/18/2022	<b>EUT Type:</b> Portable Handset	Page 238 of 238

V3.0 1/5/2022