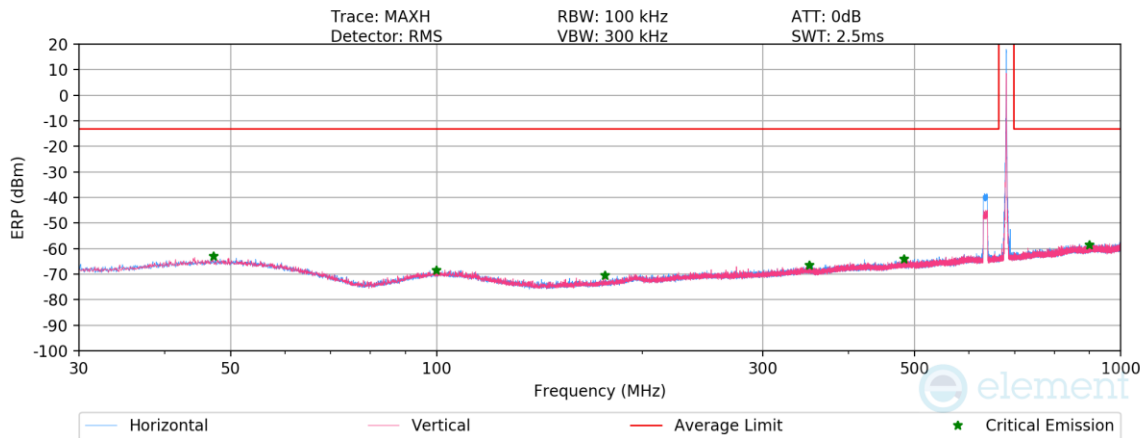
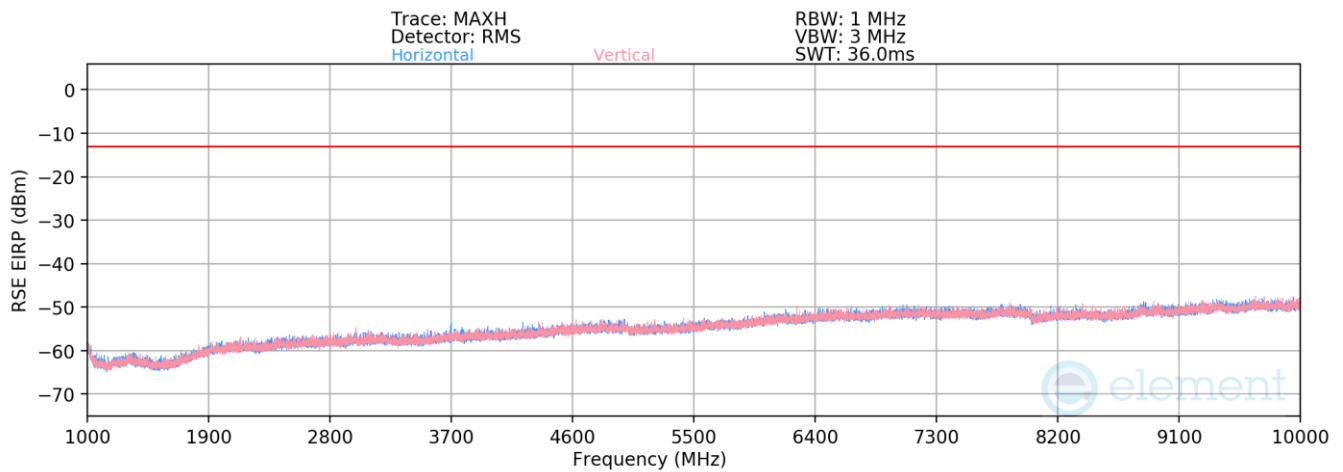


LTE Band 71 – Ant1



Plot 7-324. Radiated Spurious Plot (LTE Band 71) – Ant1



Plot 7-325. Radiated Spurious Plot (LTE Band 71) – Ant1

Bandwidth (MHz):	20
Frequency (MHz):	680.5
RB / Offset:	1 / 50
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz

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]
45.4	V	-	-	-71.41	-1.05	34.53	-62.87	-13.00	-49.87
118.1	V	-	-	-74.60	-3.35	29.06	-68.35	-13.00	-55.35
185.2	V	-	-	-75.26	-4.88	26.86	-70.54	-13.00	-57.54
337.4	V	-	-	-77.67	1.53	30.86	-66.54	-13.00	-53.54
477.3	H	-	-	-77.73	4.16	33.44	-63.97	-13.00	-50.97
948.2	H	-	-	-79.63	11.50	38.87	-58.54	-13.00	-45.54

Table 7-46. Radiated Spurious Data (LTE Band 71) – Ant1

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2408260064-03.A3L	Test Dates: 9/4/2024 - 10/26/2024	EUT Type: Portable Handset		Page 235 of 276

Bandwidth (MHz):	20
Frequency (MHz):	673
RB / Offset:	1 / 50
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz

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]
1324.47	V	-	-	-78.67	-0.38	27.95	-67.31	-13.00	-54.31
2035.93	V	-	-	-78.93	2.70	30.77	-64.49	-13.00	-51.49
2673.72	V	-	-	-79.72	4.53	31.81	-63.45	-13.00	-50.45

Table 7-47. Radiated Spurious Data (LTE Band 71 – Low Channel) – Ant1

Bandwidth (MHz):	20
Frequency (MHz):	680.5
RB / Offset:	1 / 50
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz

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]
1361.30	H	-	-	-78.04	-0.62	28.34	-66.92	-13.00	-53.92
2045.90	V	-	-	-78.82	2.72	30.90	-64.36	-13.00	-51.36
2740.08	V	-	-	-79.48	4.46	31.99	-63.27	-13.00	-50.27

Table 7-48. Radiated Spurious Data (LTE Band 71 – Mid Channel) – Ant1

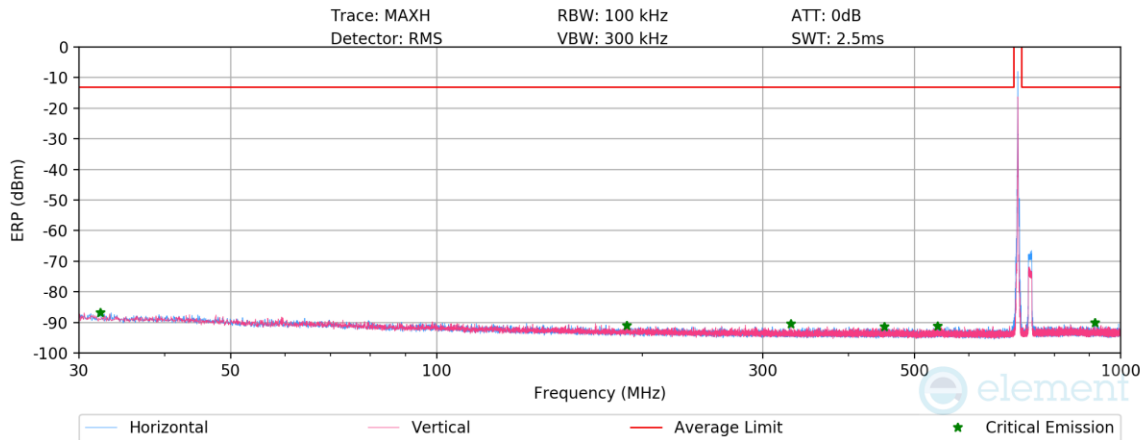
Bandwidth (MHz):	20
Frequency (MHz):	688
RB / Offset:	1 / 50
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz

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]
1376.35	V	-	-	-78.84	-0.61	27.55	-67.71	-13.00	-54.71
2052.81	H	-	-	-78.97	2.92	30.95	-64.30	-13.00	-51.30
2738.16	V	-	-	-79.50	4.46	31.96	-63.29	-13.00	-50.29

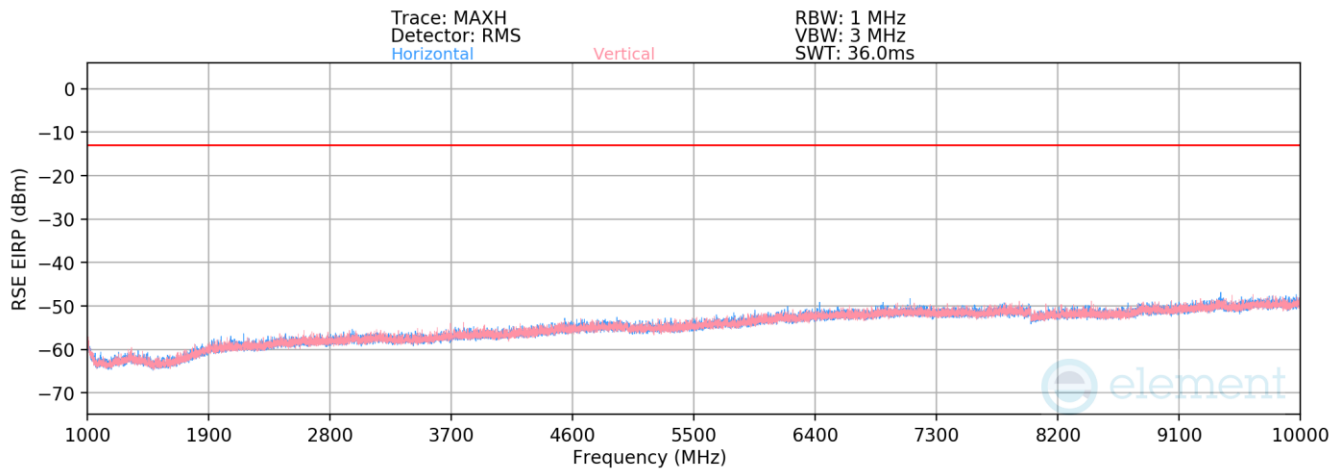
Table 7-49. Radiated Spurious Data (LTE Band 71 – High Channel) – Ant1

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2408260064-03.A3L	Test Dates: 9/4/2024 - 10/26/2024	EUT Type: Portable Handset		Page 236 of 276

LTE Band 12 – Ant1



Plot 7-326. Radiated Spurious Plot (LTE Band 12) – Ant1



Plot 7-327. Radiated Spurious Plot (LTE Band 12) – Ant1

Bandwidth (MHz):	10
Frequency (MHz):	707.5
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]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
45.4	V	-	-	-71.47	-1.28	34.25	-63.16	-13.00	-50.16
118.1	V	-	-	-78.69	-0.28	28.03	-69.38	-13.00	-56.38
185.2	V	-	-	-80.27	0.72	27.45	-69.96	-13.00	-56.96
337.4	V	-	-	-78.35	1.72	30.37	-67.03	-13.00	-54.03
477.3	H	-	-	-76.04	2.72	33.69	-63.72	-13.00	-50.72
948.2	H	-	-	-70.97	3.72	39.75	-57.66	-13.00	-44.66

Table 7-50. Radiated Spurious Data (LTE Band 12 – Mid Channel) – Ant1

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2408260064-03.A3L	Test Dates: 9/4/2024 - 10/26/2024	EUT Type: Portable Handset		Page 237 of 276

Bandwidth (MHz):	10
Frequency (MHz):	704.0
RB / Offset:	1 / 25
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz

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]
1408.0	H	-	-	-78.88	-0.61	27.51	-67.75	-13.00	-54.75
2112.0	V	-	-	-79.36	3.07	30.72	-64.54	-13.00	-51.54
2816.0	V	-	-	-79.77	4.76	31.99	-63.27	-13.00	-50.27

Table 7-51. Radiated Spurious Data (LTE Band 12 – Low Channel) – Ant1

Bandwidth (MHz):	10
Frequency (MHz):	707.5
RB / Offset:	1 / 25
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz

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	V	-	-	-78.57	-0.92	27.51	-67.75	-13.00	-54.75
2122.5	H	-	-	-79.25	3.01	30.76	-64.50	-13.00	-51.50
2830.0	V	-	-	-79.71	4.74	32.03	-63.23	-13.00	-50.23

Table 7-52. Radiated Spurious Data (LTE Band 12 – Mid Channel) – Ant1

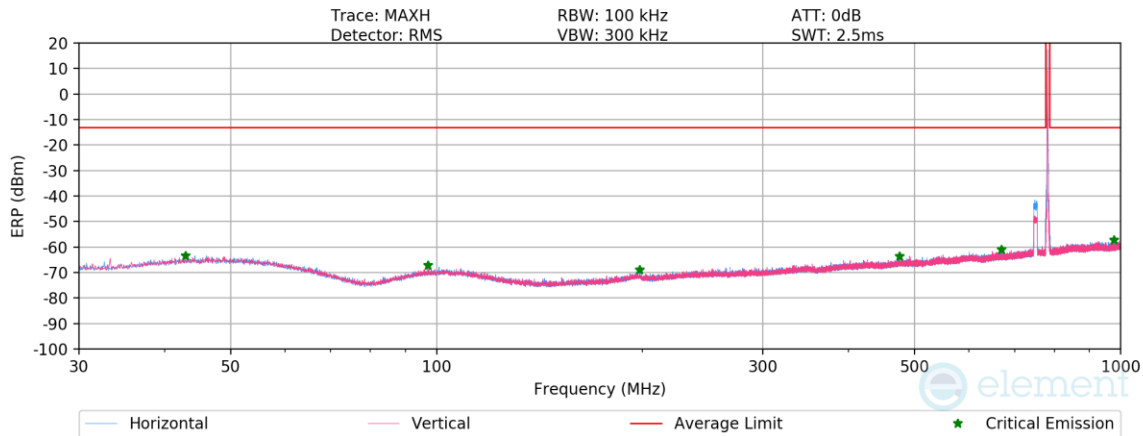
Bandwidth (MHz):	10
Frequency (MHz):	711.0
RB / Offset:	1 / 25
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz

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]
1422.0	V	-	-	-78.36	-0.92	27.72	-67.54	-13.00	-54.54
2133.0	V	-	-	-79.25	2.98	30.74	-64.52	-13.00	-51.52
2844.0	V	-	-	-79.63	4.74	32.10	-63.16	-13.00	-50.16

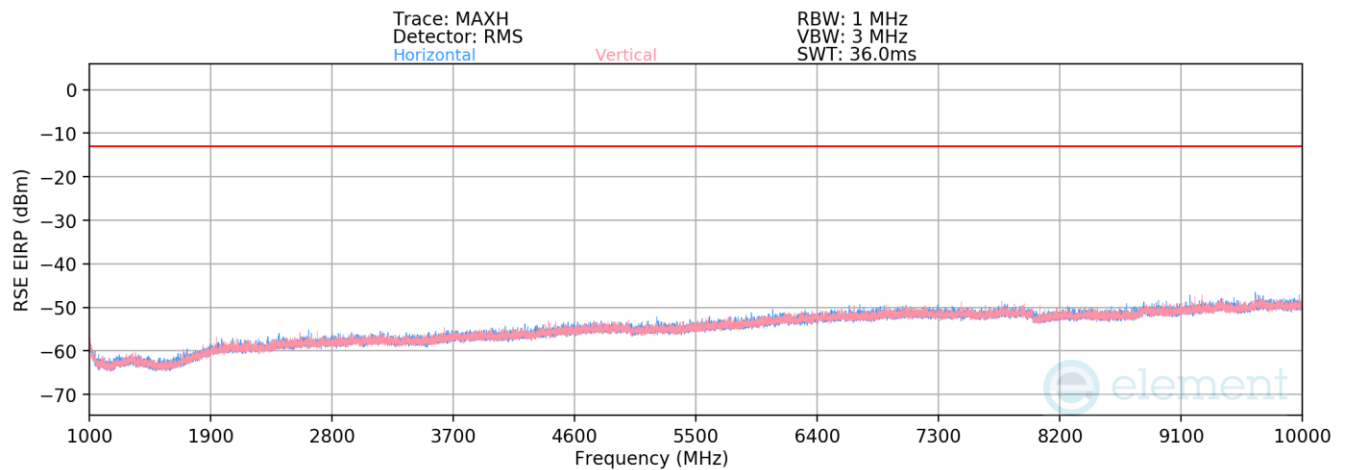
Table 7-53. Radiated Spurious Data (LTE Band 12 – High Channel) – Ant1

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 13 – Ant1



Plot 7-328. Radiated Spurious Plot (LTE Band 13) – Ant1



Plot 7-329. Radiated Spurious Plot (LTE Band 13) – Ant1

Bandwidth (MHz):	10
Frequency (MHz):	782.0
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]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
42.9	V	200		-71.16	-1.73	34.10	-63.30	-13.00	-50.30
97.0	V	200		-73.10	-3.66	30.25	-67.16	-13.00	-54.16
197.9	H	200		-75.86	-2.66	28.48	-68.93	-13.00	-55.93
475.1	V	200		-77.21	4.11	33.90	-63.50	-13.00	-50.50
669.5	H	200		-78.08	7.45	36.38	-61.03	-13.00	-48.03
977.6	H	200		-78.71	11.91	40.20	-57.21	-13.00	-44.21

Table 7-54. Radiated Spurious Data (LTE Band 13) – Ant1

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2408260064-03.A3L	Test Dates: 9/4/2024 - 10/26/2024	EUT Type: Portable Handset		Page 239 of 276



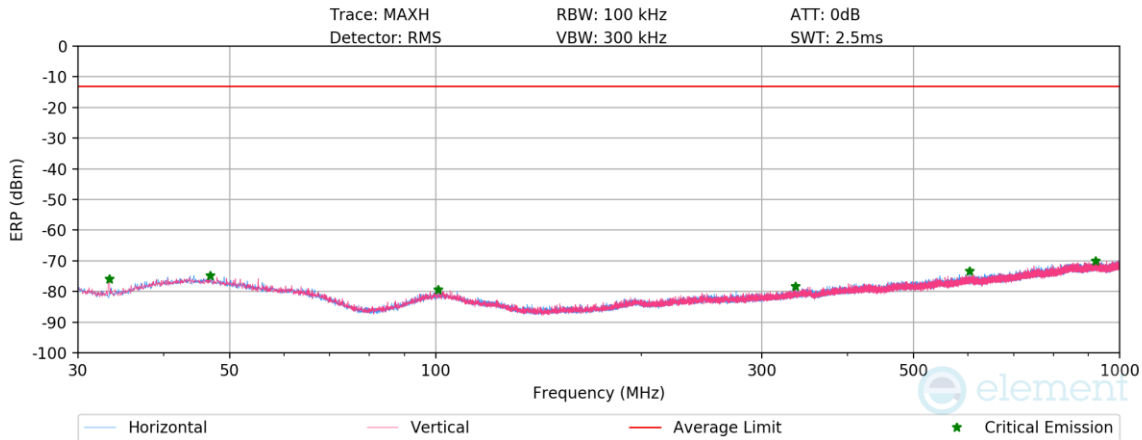
Bandwidth (MHz):	10
Frequency (MHz):	782.0
RB / Offset:	1 / 25
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz

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]
1542.7	V	-	-	-78.79	-1.48	26.73	-68.53	-40.00	-28.53
2346.2	V	-	-	-79.33	3.20	30.87	-64.39	-13.00	-51.39
3138.8	V	-	-	-80.04	5.61	32.57	-62.69	-13.00	-49.69

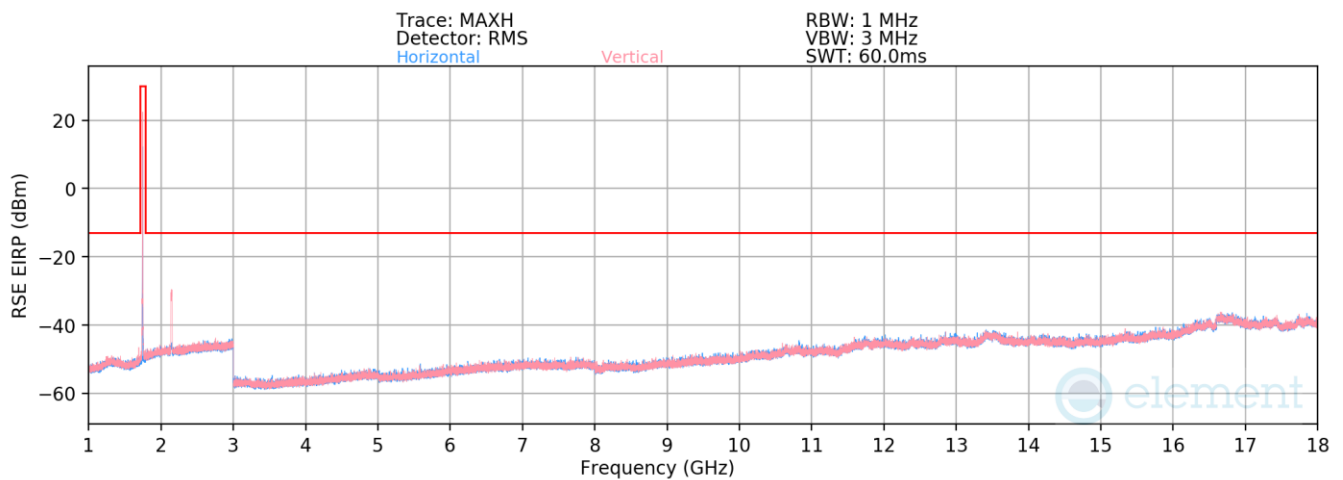
Table 7-55. Radiated Spurious Data (LTE Band 13 – Mid Channel) – Ant1

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260064-03.A3L	Test Dates: 9/4/2024 - 10/26/2024	EUT Type: Portable Handset	Page 240 of 276

LTE Band 66/4 – Ant1



Plot 7-330. Radiated Spurious Plot (LTE Band 66/4) – Ant1



Plot 7-331. Radiated Spurious Plot (LTE Band 66/4) – Ant1

Bandwidth (MHz):	20
Frequency (MHz):	1745.0
RB / Offset:	1 / 50
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz

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]
33.3	V	-	-	-68.69	-16.87	21.44	-75.96	-13.00	-62.96
46.8	H	-	-	-71.34	-13.09	22.57	-74.84	-13.00	-61.84
100.9	V	-	-	-73.79	-15.23	17.98	-79.42	-13.00	-66.42
335.8	H	-	-	-76.78	-11.03	19.18	-78.22	-13.00	-65.22
603.6	H	-	-	-77.69	-5.28	24.03	-73.38	-13.00	-60.38
922.6	V	-	-	-79.40	-0.22	27.38	-70.02	-13.00	-57.02

Table 7-56. Radiated Spurious Data (LTE Band 66/4) – Ant1

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260064-03.A3L	Test Dates: 9/4/2024 - 10/26/2024	EUT Type: Portable Handset	Page 241 of 276

Bandwidth (MHz):	20
Frequency (MHz):	1720.0
RB / Offset:	1 / 50
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz

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	-	-	-80.73	6.35	32.62	-62.63	-13.00	-49.63
5160.0	V	-	-	-82.11	10.32	35.21	-60.05	-13.00	-47.05
6880.0	H	-	-	-82.77	13.35	37.57	-57.68	-13.00	-44.68

Table 7-57. Radiated Spurious Data (LTE Band 66/4 – Low Channel) – Ant1

Bandwidth (MHz):	20
Frequency (MHz):	1745.0
RB / Offset:	1 / 50
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz

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	-	-	-80.55	6.12	32.56	-62.70	-13.00	-49.70
5235.0	V	-	-	-82.73	10.78	35.05	-60.21	-13.00	-47.21
6980.0	H	-	-	-83.12	13.65	37.54	-57.72	-13.00	-44.72

Table 7-58. Radiated Spurious Data (LTE Band 66/4 – Mid Channel) – Ant1

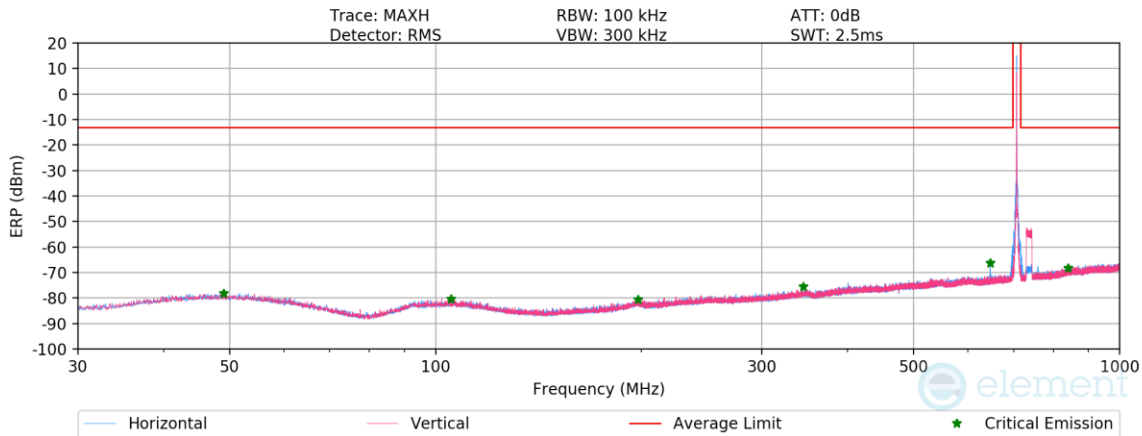
Bandwidth (MHz):	20
Frequency (MHz):	1770.0
RB / Offset:	1 / 50
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz

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	-	-	-80.91	6.53	32.62	-62.64	-13.00	-49.64
5310.0	V	-	-	-82.95	10.91	34.95	-60.30	-13.00	-47.30
7080.0	V	-	-	-83.01	13.53	37.52	-57.74	-13.00	-44.74

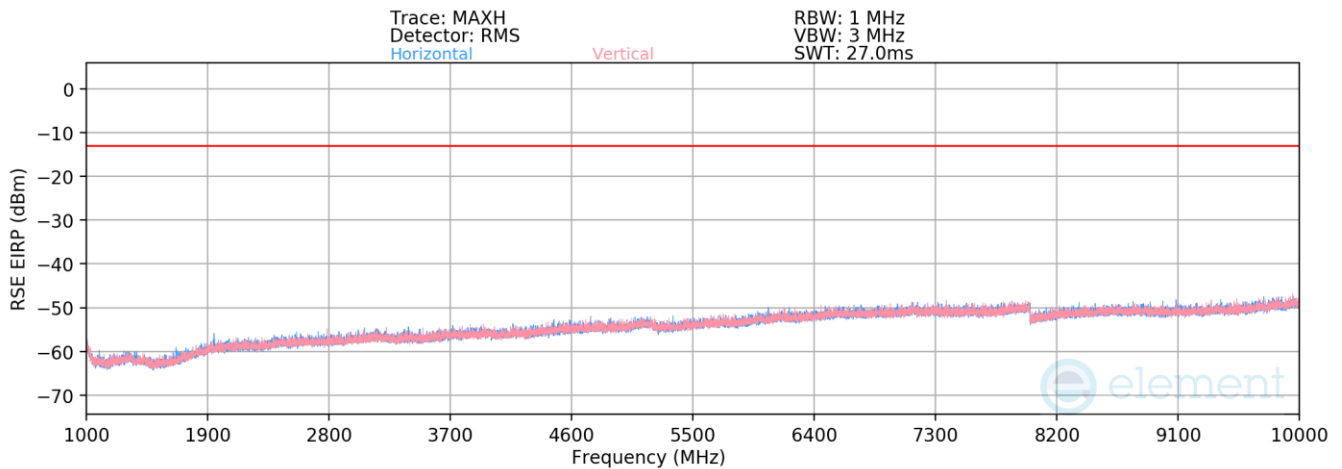
Table 7-59. Radiated Spurious Data (LTE Band 66/4 – High Channel) – Ant1

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260064-03.A3L	Test Dates: 9/4/2024 - 10/26/2024	EUT Type: Portable Handset	Page 242 of 276

NR Band n12 – Ant1



Plot 7-332. Radiated Spurious Plot (NR Band n12) – Ant1



Plot 7-333. Radiated Spurious Plot (NR Band n12) – Ant1

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 [dBm]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
47.2	V	-	-	-80.75	-5.87	20.37	-77.39	-13.00	-64.39
94.5	V	-	-	-80.73	-8.37	17.90	-79.85	-13.00	-66.85
218.9	H	-	-	-80.78	-7.25	18.98	-78.78	-13.00	-65.78
345.8	H	-	-	-82.50	-2.99	21.51	-76.25	-13.00	-63.25
647.5	H	-	-	-78.60	3.34	31.75	-66.01	-13.00	-53.01
999.4	V	-	-	-84.41	8.97	31.56	-66.19	-13.00	-53.19

Table 7-60. Radiated Spurious Data (NR Band n12) – Ant1

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2408260064-03.A3L	Test Dates: 9/4/2024 - 10/26/2024	EUT Type: Portable Handset		Page 243 of 276

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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1428.4	V	-	-	-78.96	-0.83	27.21	-68.05	-13.00	-55.05
2129.8	H	-	-	-79.43	3.01	30.58	-64.68	-13.00	-51.68
2840.1	H	-	-	-80.18	4.82	31.64	-63.62	-13.00	-50.62

Table 7-61. Radiated Spurious Data (NR Band n12 – Low Channel) – Ant1

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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1414.5	H	-	-	-78.55	-0.92	27.53	-67.72	-13.00	-54.72
2122.4	H	-	-	-79.04	3.01	30.97	-64.29	-13.00	-51.29
2840.1	V	-	-	-80.10	4.82	31.72	-63.54	-13.00	-50.54

Table 7-62. Radiated Spurious Data (NR Band n12 – Mid Channel) – Ant1

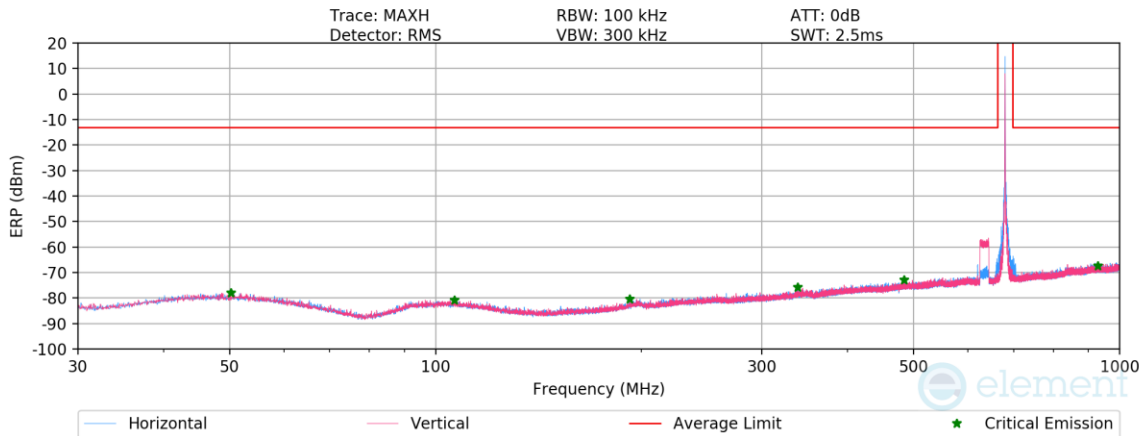
Bandwidth (MHz):	15
Frequency (MHz):	708.5
RB / Offset:	1 / 37

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1397.8	H	-	-	-79.24	-0.61	27.15	-68.11	-13.00	-55.11
2116.8	V	-	-	-79.41	2.97	30.56	-64.70	-13.00	-51.70
2835.4	H	-	-	-80.01	4.76	31.75	-63.50	-13.00	-50.50

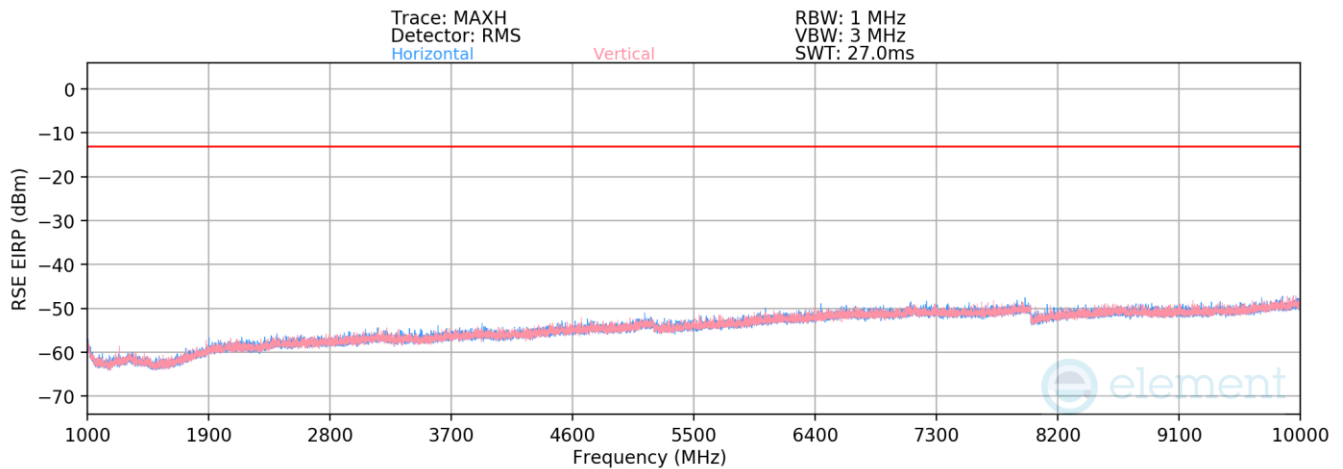
Table 7-63. Radiated Spurious Data (NR Band n12 – High Channel) – Ant1

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n71 – Ant1



Plot 7-334. Radiated Spurious Plot (NR Band n71) – Ant1



Plot 7-335. Radiated Spurious Plot (NR Band n71) – Ant1

Bandwidth (MHz):	35
Frequency (MHz):	680.5
RB / Offset:	1 / 95

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]
50.15	V	200	-	-81.41	-5.84	19.75	-78.01	-13.00	-65.01
106.50	V	200	-	-82.05	-7.95	17.00	-80.75	-13.00	-67.75
192.15	V	200	-	-81.62	-7.91	17.47	-80.29	-13.00	-67.29
338.15	H	200	-	-81.60	-3.31	22.09	-75.67	-13.00	-62.67
484.30	H	200	-	-82.08	0.02	24.94	-72.82	-13.00	-59.82
928.55	H	200	-	-85.05	8.43	30.38	-67.37	-13.00	-54.37

Table 7-64. Radiated Spurious Data (NR Band n71 – Mid Channel) – Ant1

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2408260064-03.A3L	Test Dates: 9/4/2024 - 10/26/2024	EUT Type: Portable Handset		Page 245 of 276

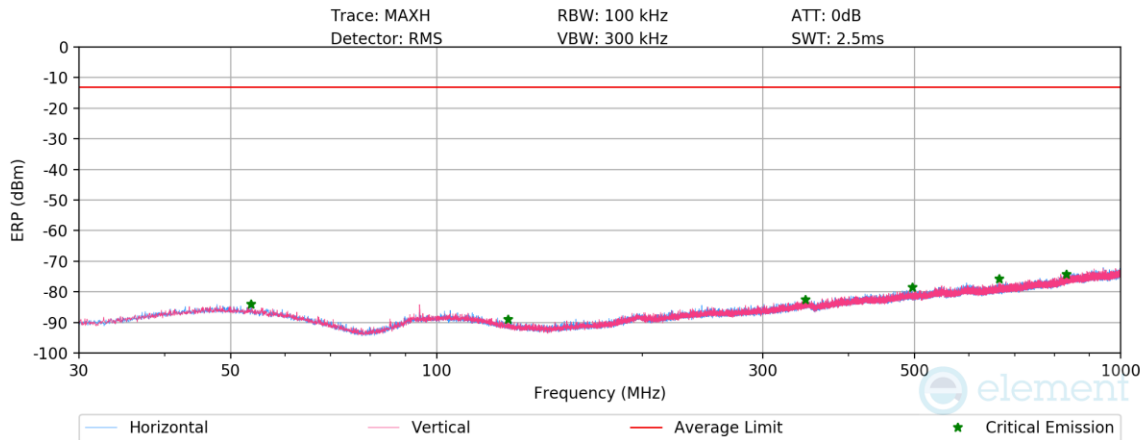
Bandwidth (MHz):	35
Frequency (MHz):	680.5
RB / Offset:	1 / 95

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]
1361.0	H	-	-	-79.23	-0.62	27.15	-68.11	-13.00	-55.11
2041.5	V	-	-	-79.48	2.92	30.44	-64.82	-13.00	-51.82
2722.0	H	-	-	-80.25	4.64	31.39	-63.87	-13.00	-50.87

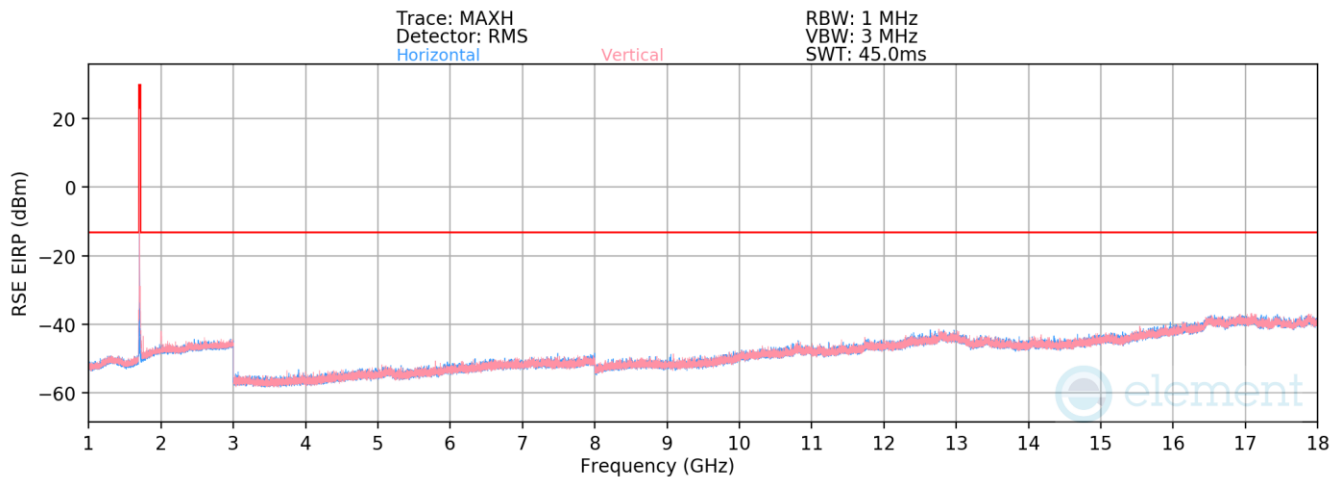
Table 7-65. Radiated Spurious Data (NR Band n71 – Mid Channel) – Ant1

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260064-03.A3L	Test Dates: 9/4/2024 - 10/26/2024	EUT Type: Portable Handset	Page 246 of 276

NR Band n70 – Ant1



Plot 7-336. Radiated Spurious Plot (NR Band n70) – Ant1



Plot 7-337. Radiated Spurious Plot (NR Band n70) – Ant1

Bandwidth (MHz):	15
Frequency (MHz):	1702.5

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]
84.05	H	-	-	-82.05	-17.59	7.36	-90.05	-13.00	-77.05
315.74	H	-	-	-81.51	-10.76	14.73	-82.68	-13.00	-69.68
481.73	H	-	-	-79.44	-7.05	20.51	-76.90	-13.00	-63.90

Table 7-66. Radiated Spurious Data (NR Band n70) – Ant1

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2408260064-03.A3L	Test Dates: 9/4/2024 - 10/26/2024	EUT Type: Portable Handset		Page 247 of 276

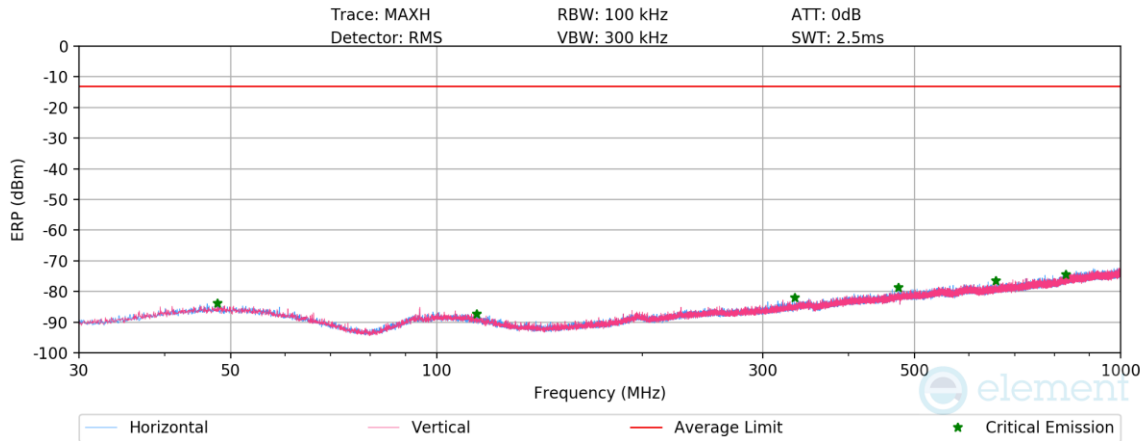
Bandwidth (MHz):	15
Frequency (MHz):	1702.5
RB / Offset:	1 / 39

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3405.00	H	108	295	-79.14	7.14	35.00	-60.26	-13.00	-47.26
5107.50	H	112	158	-76.53	10.35	40.82	-54.44	-13.00	-41.44
6810.00	H	-	-	-82.06	13.62	38.56	-56.69	-13.00	-43.69
8512.50	H	-	-	-83.03	16.10	40.07	-55.19	-13.00	-42.19
10215.00	H	-	-	-83.46	19.60	43.14	-52.12	-13.00	-39.12

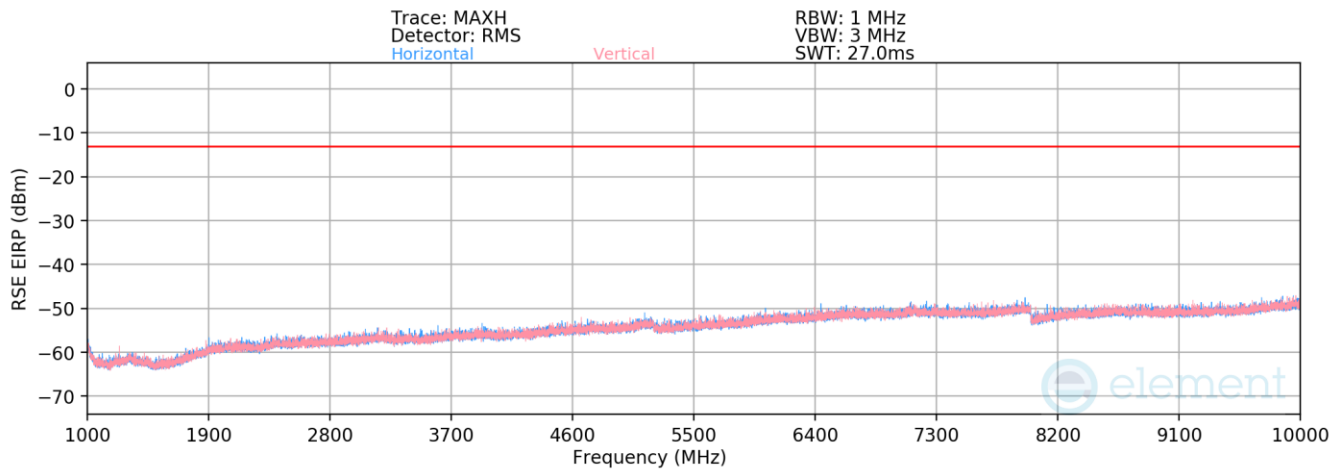
Table 7-67. Radiated Spurious Data (NR Band n70 – Mid Channel) – Ant1

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260064-03.A3L	Test Dates: 9/4/2024 - 10/26/2024	EUT Type: Portable Handset	Page 248 of 276

NR Band n66 – Ant1



Plot 7-338. Radiated Spurious Plot (NR Band n66) – Ant1



Plot 7-339. Radiated Spurious Plot (NR Band n66) – Ant1

Bandwidth (MHz):	45
Frequency (MHz):	1745
RB / Offset:	1 / 121

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]
47.75	V	200	-	-81.18	-11.81	14.02	-83.74	-13.00	-70.74
114.50	H	200	-	-82.01	-14.52	10.47	-87.29	-13.00	-74.29
333.50	H	200	-	-81.66	-9.55	15.80	-81.96	-13.00	-68.96
473.30	H	200	-	-81.61	-6.33	19.06	-78.70	-13.00	-65.70
657.25	V	200	-	-83.18	-2.51	21.31	-76.45	-13.00	-63.45
831.60	V	200	-	-84.64	0.99	23.35	-74.40	-13.00	-61.40

Table 7-68. Radiated Spurious Data (NR Band n66) – Ant1

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2408260064-03.A3L	Test Dates: 9/4/2024 - 10/26/2024	EUT Type: Portable Handset		Page 249 of 276

Bandwidth (MHz):	45
Frequency (MHz):	1732.5
RB / Offset:	1 / 121

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]
3465.00	H	-	-	-80.89	6.13	32.24	-63.02	-13.00	-50.02
5197.50	V	-	-	-82.49	10.26	34.76	-60.49	-13.00	-47.49
6930.00	H	-	-	-83.49	13.35	36.86	-58.40	-13.00	-45.40

Table 7-69. Radiated Spurious Data (NR Band n66 – Low Channel) – Ant1

Bandwidth (MHz):	45
Frequency (MHz):	1745
RB / Offset:	1 / 121

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	-	-	-80.90	6.24	32.34	-62.91	-13.00	-49.91
5235.00	H	-	-	-82.72	10.44	34.71	-60.55	-13.00	-47.55
6980.00	V	-	-	-83.32	13.35	37.02	-58.23	-13.00	-45.23

Table 7-70. Radiated Spurious Data (NR Band n66 – Mid Channel) – Ant1

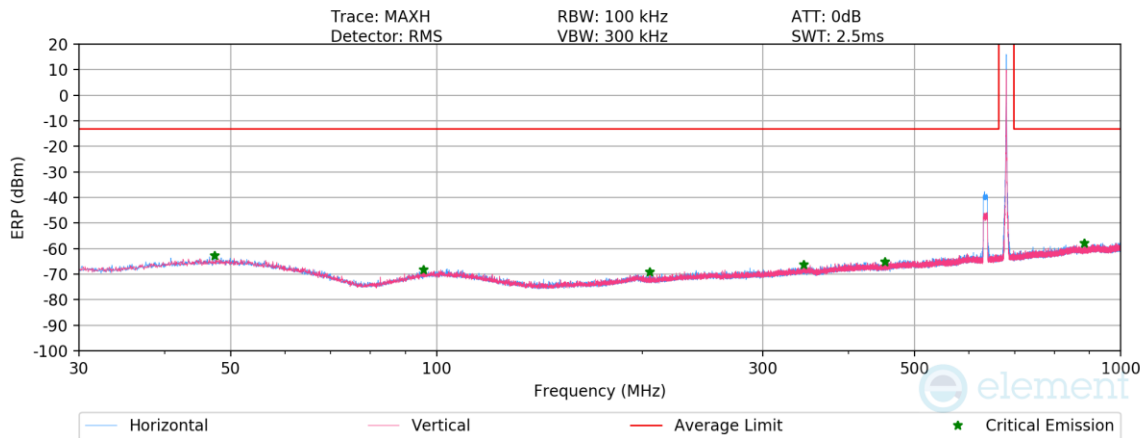
Bandwidth (MHz):	45
Frequency (MHz):	1757.5
RB / Offset:	1 / 121

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]
3515.00	V	-	-	-80.93	6.25	32.32	-62.94	-13.00	-49.94
5272.50	V	-	-	-83.33	10.98	34.65	-60.60	-13.00	-47.60
7030.00	H	-	-	-83.67	13.44	36.77	-58.49	-13.00	-45.49

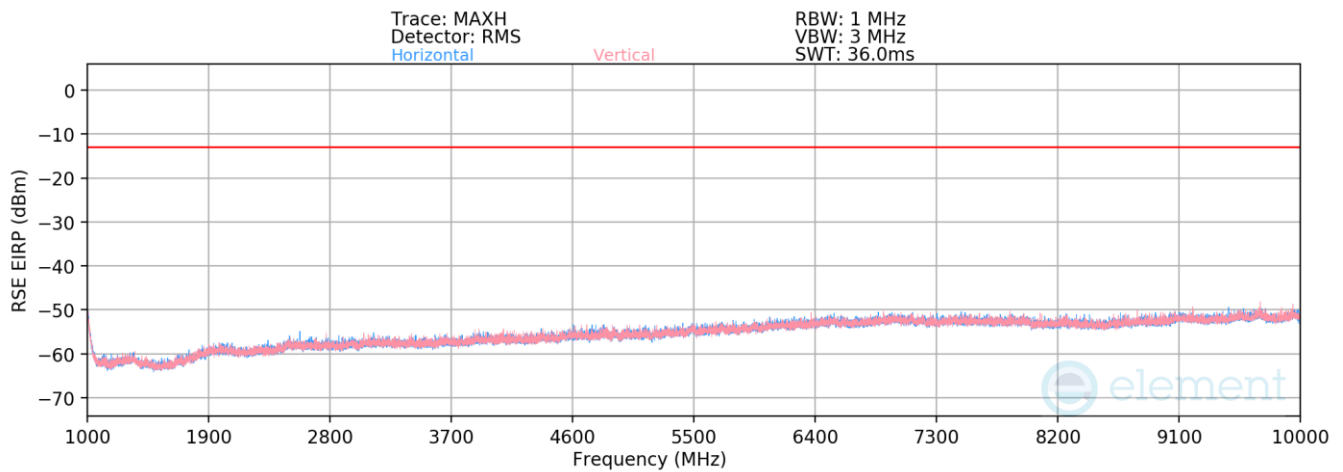
Table 7-71. Radiated Spurious Data (NR Band n66 – High Channel) – Ant1

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260064-03.A3L	Test Dates: 9/4/2024 - 10/26/2024	EUT Type: Portable Handset	Page 250 of 276

LTE Band 71 – Ant2



Plot 7-340. Radiated Spurious Plot (LTE Band 71) – Ant2



Plot 7-341. Radiated Spurious Plot (LTE Band 71) – Ant2

Bandwidth (MHz):	20
Frequency (MHz):	680.5
RB / Offset:	1 / 50
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz

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]
45.4	V	-	-	-71.19	-1.03	34.78	-62.63	-13.00	-49.63
118.1	V	-	-	-73.98	-3.95	29.06	-68.35	-13.00	-55.35
185.2	V	-	-	-75.36	-3.36	28.28	-69.12	-13.00	-56.12
337.4	V	-	-	-77.23	1.40	31.17	-66.24	-13.00	-53.24
477.3	H	-	-	-77.85	3.15	32.30	-65.11	-13.00	-52.11
948.2	H	-	-	-78.44	11.08	39.64	-57.77	-13.00	-44.77

Table 7-72. Radiated Spurious Data (LTE Band 71) – Ant2

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2408260064-03.A3L	Test Dates: 9/4/2024 - 10/26/2024	EUT Type: Portable Handset		Page 251 of 276

Bandwidth (MHz):	20
Frequency (MHz):	673.0
RB / Offset:	1 / 50
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz

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]
1346.0	V	-	-	-76.99	-1.43	28.58	-66.68	-13.00	-53.68
2019.0	H	-	-	-77.48	1.27	30.78	-64.48	-13.00	-51.48
2692.0	H	-	-	-78.32	2.99	31.67	-63.59	-13.00	-50.59

Table 7-73. Radiated Spurious Data (LTE Band 71 – Low Channel) – Ant2

Bandwidth (MHz):	20
Frequency (MHz):	680.5
RB / Offset:	1 / 50
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz

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]
1361.0	H	-	-	-76.98	-1.65	28.37	-66.88	-13.00	-53.88
2041.5	V	-	-	-77.47	1.27	30.79	-64.47	-13.00	-51.47
2722.0	H	-	-	-78.17	2.79	31.62	-63.64	-13.00	-50.64
3402.5	V	-	-	-78.64	4.21	32.58	-62.68	-13.00	-49.68

Table 7-74. Radiated Spurious Data (LTE Band 71 – Mid Channel) – Ant2

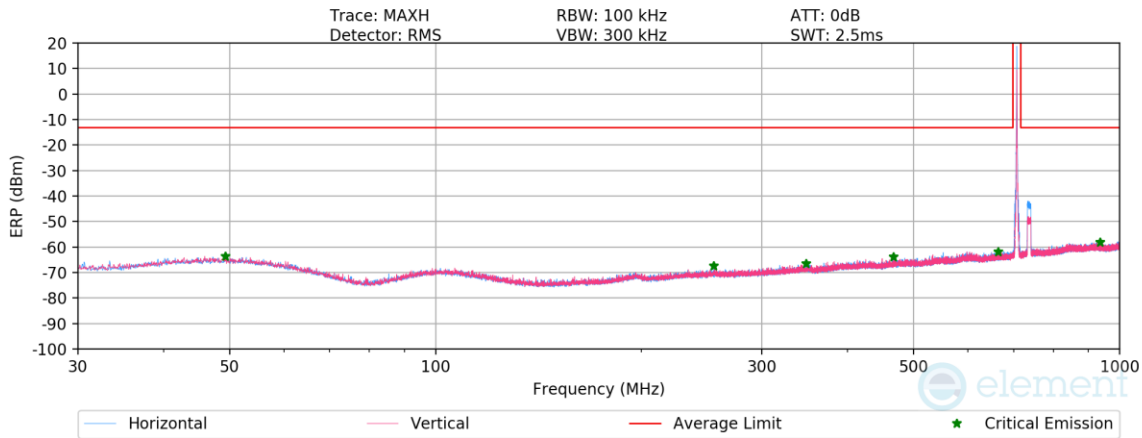
Bandwidth (MHz):	20
Frequency (MHz):	688.0
RB / Offset:	1 / 50
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz

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]
1376.0	H			-77.12	-1.65	28.24	-67.02	-13.00	-54.02
2064.0	H			-77.66	1.28	30.62	-64.64	-13.00	-51.64
2752.0	V			-78.12	2.79	31.67	-63.59	-13.00	-50.59

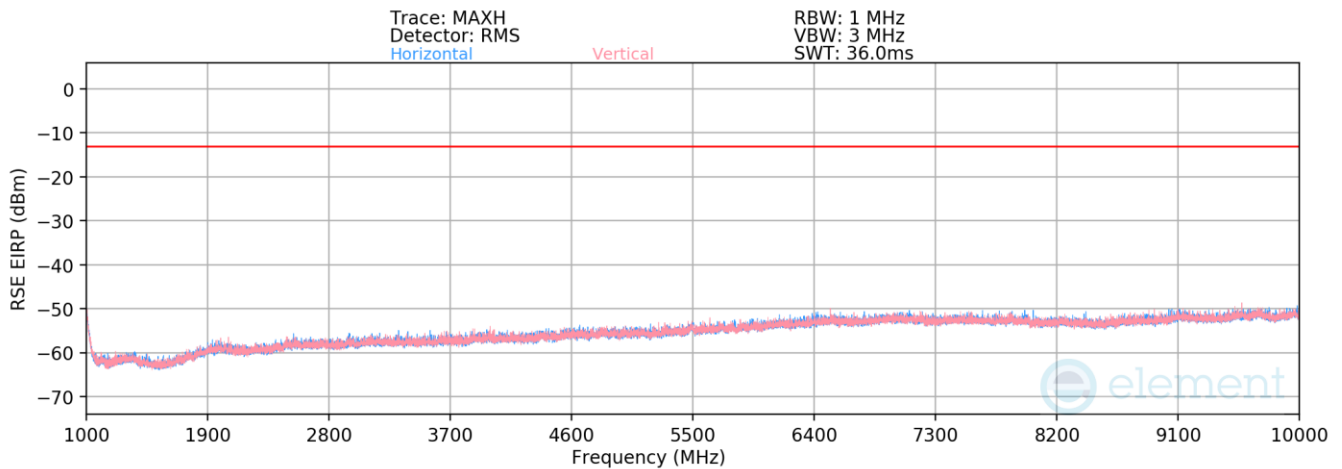
Table 7-75. Radiated Spurious Data (LTE Band 71 – High Channel) – Ant2

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 12 – Ant2



Plot 7-342. Radiated Spurious Plot (LTE Band 12) – Ant2



Plot 7-343. Radiated Spurious Plot (LTE Band 12) – Ant2

Bandwidth (MHz):	10
Frequency (MHz):	707.5
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]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
45.4	V	-	-	-72.20	-0.95	33.85	-63.55	-13.00	-50.55
118.1	V	-	-	-75.83	-1.09	30.08	-67.33	-13.00	-54.33
185.2	V	-	-	-77.55	1.52	30.98	-66.43	-13.00	-53.43
337.4	V	-	-	-77.23	3.81	33.57	-63.84	-13.00	-50.84
477.3	H	-	-	-78.82	7.46	35.64	-61.77	-13.00	-48.77
948.2	H	-	-	-79.26	11.52	39.26	-58.15	-13.00	-45.15

Table 7-76. Radiated Spurious Data (LTE Band 12 – Mid Channel) – Ant2

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2408260064-03.A3L	Test Dates: 9/4/2024 - 10/26/2024	EUT Type: Portable Handset		Page 253 of 276

Bandwidth (MHz):	10
Frequency (MHz):	704.0
RB / Offset:	1 / 25
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz

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]
1408.0	H	-	-	-77.12	-2.28	27.60	-67.66	-13.00	-54.66
2112.0	V	-	-	-77.76	1.01	30.25	-65.01	-13.00	-52.01
2816.0	H	-	-	-78.43	2.91	31.48	-63.78	-13.00	-50.78

Table 7-77. Radiated Spurious Data (LTE Band 12 – Low Channel) – Ant2

Bandwidth (MHz):	10
Frequency (MHz):	707.5
RB / Offset:	1 / 25
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz

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	-	-	-76.95	-2.26	27.79	-67.47	-13.00	-54.47
2122.5	V	-	-	-77.79	1.09	30.30	-64.95	-13.00	-51.95
2830.0	H	-	-	-78.42	2.91	31.49	-63.77	-13.00	-50.77

Table 7-78. Radiated Spurious Data (LTE Band 12 – Mid Channel) – Ant2

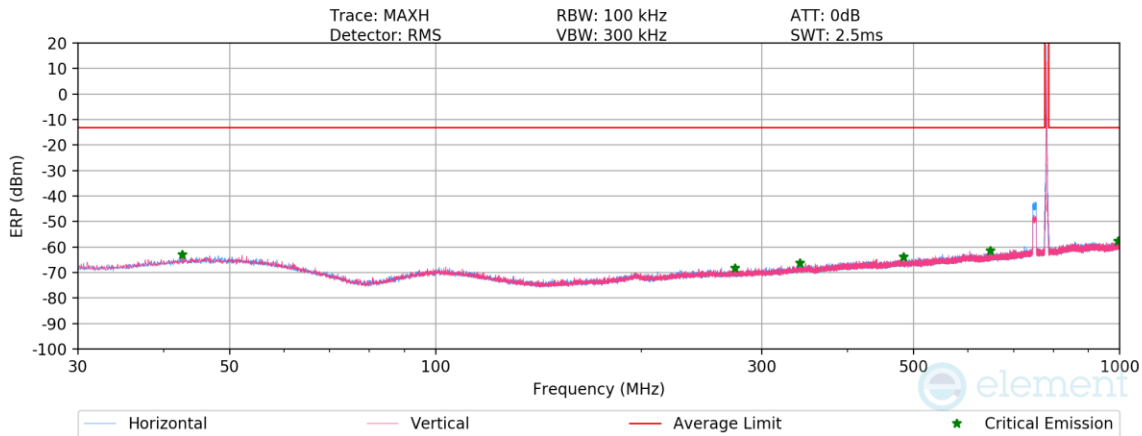
Bandwidth (MHz):	10
Frequency (MHz):	711.0
RB / Offset:	1 / 25
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz

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]
1422.0	H	-	-	-76.42	-2.26	28.31	-66.94	-13.00	-53.94
2133.0	V	-	-	-77.55	1.09	30.54	-64.71	-13.00	-51.71
2844.0	H	-	-	-78.51	2.91	31.40	-63.85	-13.00	-50.85

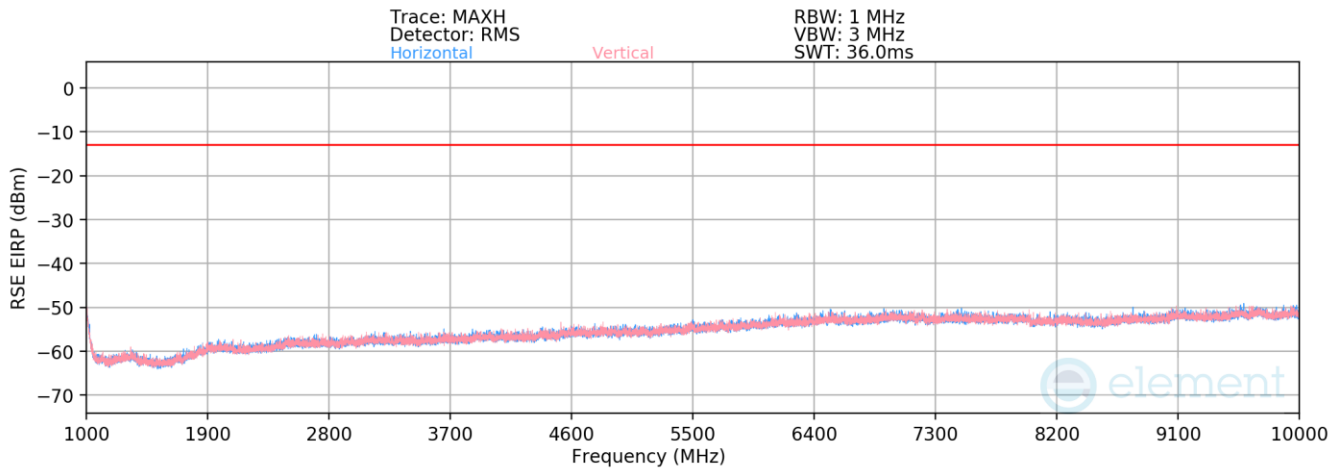
Table 7-79. Radiated Spurious Data (LTE Band 12 – High Channel) – Ant2

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260064-03.A3L	Test Dates: 9/4/2024 - 10/26/2024	EUT Type: Portable Handset	Page 254 of 276

LTE Band 13 – Ant2



Plot 7-344. Radiated Spurious Plot (LTE Band 13) – Ant2



Plot 7-345. Radiated Spurious Plot (LTE Band 13) – Ant2

Bandwidth (MHz):	10
Frequency (MHz):	782.0
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]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
42.6	V	200		-70.82	-1.80	34.38	-63.03	-13.00	-50.03
273.6	V	200		-76.79	-0.96	29.25	-68.16	-13.00	-55.16
340.9	H	200		-77.02	1.28	31.26	-66.14	-13.00	-53.14
483.1	H	200		-77.66	4.20	33.54	-63.87	-13.00	-50.87
647.4	H	200		-78.12	7.17	36.05	-61.36	-13.00	-48.36
993.7	H	200		-79.50	12.24	39.74	-57.66	-13.00	-44.66

Table 7-80. Radiated Spurious Data (LTE Band 13 – Mid Channel) – Ant2

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2408260064-03.A3L	Test Dates: 9/4/2024 - 10/26/2024	EUT Type: Portable Handset		Page 255 of 276

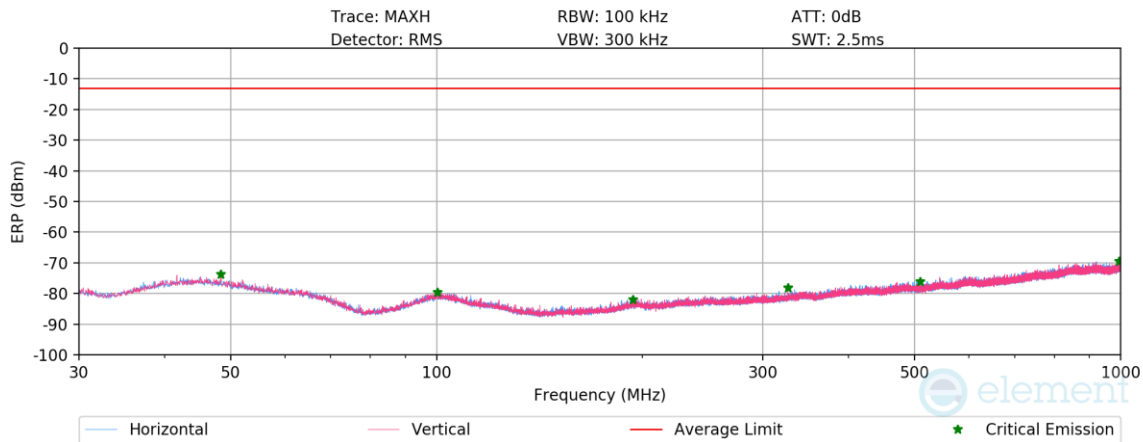
Bandwidth (MHz):	10
Frequency (MHz):	782.0
RB / Offset:	1 / 25
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz

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	-	-	-77.04	-2.71	27.25	-68.01	-40.00	-28.01
2346.0	V	-	-	-77.79	1.36	30.57	-64.69	-13.00	-51.69
3128.0	H	-	-	-78.68	3.82	32.15	-63.11	-13.00	-50.11

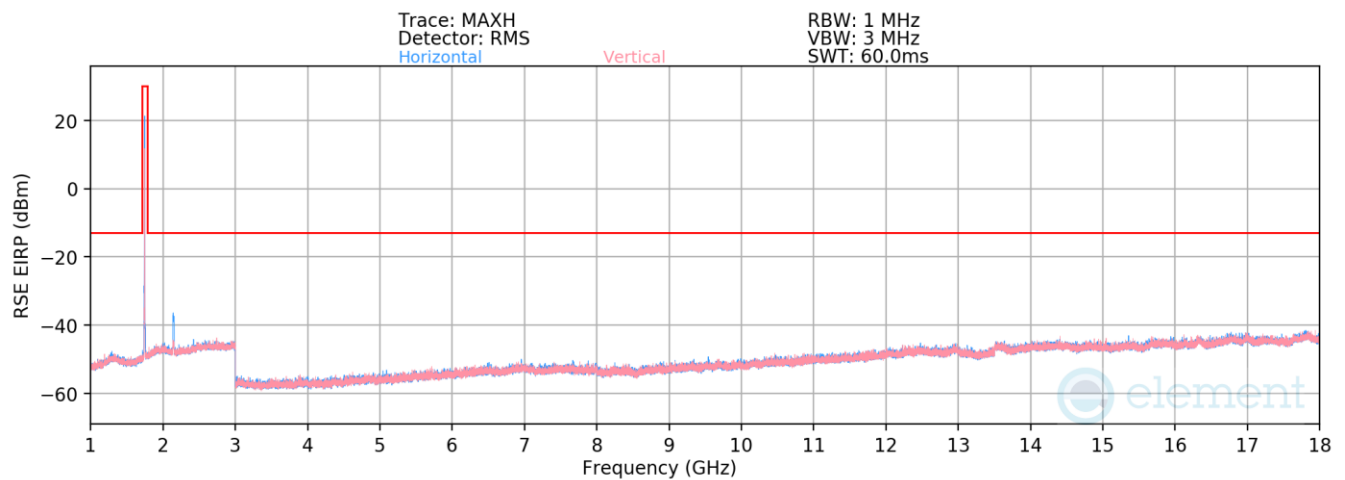
Table 7-81. Radiated Spurious Data (LTE Band 13) – Ant2

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260064-03.A3L	Test Dates: 9/4/2024 - 10/26/2024	EUT Type: Portable Handset	Page 256 of 276

LTE Band 66/4 – Ant2



Plot 7-346. Radiated Spurious Plot (LTE Band 66/4) – Ant2



Plot 7-347. Radiated Spurious Plot (LTE Band 66/4) – Ant2

Bandwidth (MHz):	20
Frequency (MHz):	1745.0
RB / Offset:	1 / 50
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz

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]
48.4	V	-	-	-70.05	-12.96	24.00	-73.76	-13.00	-60.76
100.2	V	-	-	-73.47	-15.31	18.23	-79.53	-13.00	-66.53
193.7	H	-	-	-76.22	-14.92	15.86	-81.90	-13.00	-68.90
326.2	V	-	-	-76.05	-11.37	19.58	-78.17	-13.00	-65.17
509.1	V	-	-	-77.67	-7.60	21.73	-76.03	-13.00	-63.03
994.3	H	-	-	-78.98	0.24	28.26	-69.50	-13.00	-56.50

Table 7-82. Radiated Spurious Data (LTE Band 66/4) – Ant2

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT				Approved by: Technical Manager
Test Report S/N: 1M2408260064-03.A3L	Test Dates: 9/4/2024 - 10/26/2024	EUT Type: Portable Handset			Page 257 of 276

Bandwidth (MHz):	20
Frequency (MHz):	1720.0
RB / Offset:	1 / 50
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz

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	V	-	-	-79.13	4.74	32.60	-62.65	-13.00	-49.65
5160.0	H	-	-	-80.69	7.94	34.24	-61.01	-13.00	-48.01
6880.0	V	-	-	-81.32	10.72	36.40	-58.86	-13.00	-45.86

Table 7-83. Radiated Spurious Data (LTE Band 66/4 – Low Channel) – Ant2

Bandwidth (MHz):	20
Frequency (MHz):	1745.0
RB / Offset:	1 / 50
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz

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	V	-	-	-78.99	5.00	33.01	-62.25	-13.00	-49.25
5235.0	V	-	-	-81.00	8.40	34.41	-60.85	-13.00	-47.85
6980.0	H	-	-	-81.94	11.51	36.57	-58.69	-13.00	-45.69

Table 7-84. Radiated Spurious Data (LTE Band 66/4 – Mid Channel) – Ant2

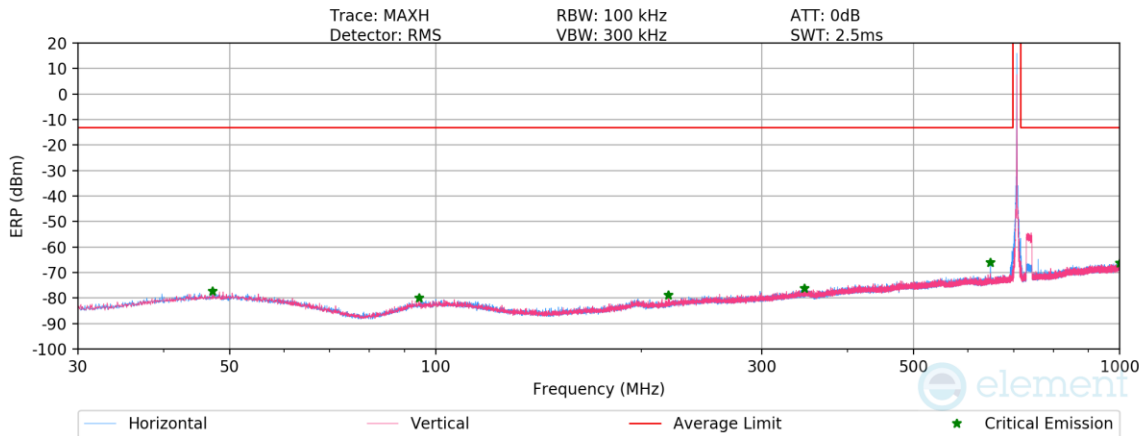
Bandwidth (MHz):	20
Frequency (MHz):	1770.0
RB / Offset:	1 / 50
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz

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	V	-	-	-78.80	4.88	33.08	-62.17	-13.00	-49.17
5310.0	H	-	-	-80.57	8.29	34.71	-60.54	-13.00	-47.54
7080.0	V	-	-	-81.57	10.95	36.38	-58.88	-13.00	-45.88

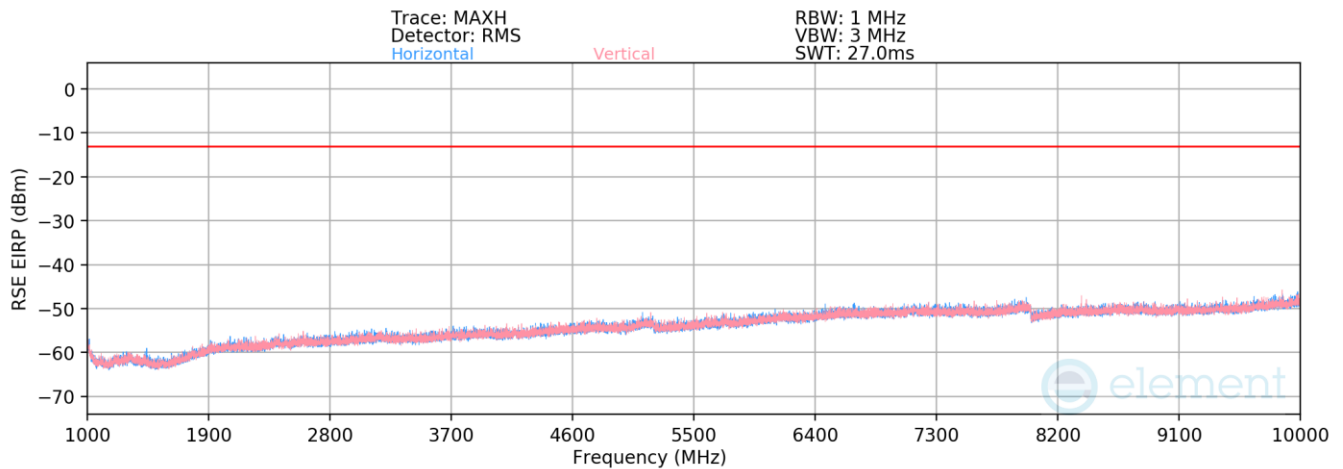
Table 7-85. Radiated Spurious Data (LTE Band 66/4 – High Channel) – Ant2

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n12 – Ant2



Plot 7-348. Radiated Spurious Plot (NR Band n12) – Ant2



Plot 7-349. Radiated Spurious Plot (NR Band n12) – Ant2

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 [dBm]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
47.2	V	-	-	-81.52	-5.86	19.62	-78.13	-13.00	-65.13
94.5	V	-	-	-81.78	-7.88	17.34	-80.41	-13.00	-67.41
218.9	H	-	-	-82.72	-7.10	17.18	-80.57	-13.00	-67.57
345.8	H	-	-	-81.72	-3.00	22.28	-75.48	-13.00	-62.48
647.5	H	-	-	-78.89	3.34	31.44	-66.31	-13.00	-53.31
999.4	V	-	-	-84.84	7.39	29.55	-68.21	-13.00	-55.21

Table 7-86. Radiated Spurious Data (NR Band n12) – Ant2

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1437.9	H	-	-	-78.92	-0.83	27.25	-68.01	-13.00	-55.01
2124.0	H	-	-	-79.40	3.01	30.61	-64.65	-13.00	-51.65
2822.7	H	-	-	-80.16	4.76	31.60	-63.65	-13.00	-50.65

Table 7-87. Radiated Spurious Data (NR Band n12 – Low Channel) – Ant2

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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1428.8	H	-	-	-79.09	-0.83	27.08	-68.18	-13.00	-55.18
2122.3	H	-	-	-79.50	3.01	30.51	-64.75	-13.00	-51.75
2830.6	H	-	-	-80.18	4.76	31.58	-63.68	-13.00	-50.68

Table 7-88. Radiated Spurious Data (NR Band n12 – Mid Channel) – Ant2

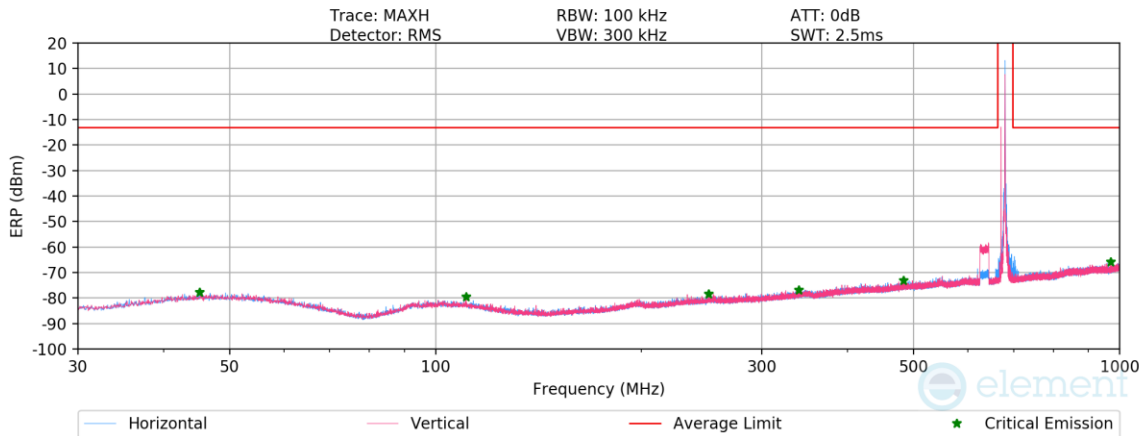
Bandwidth (MHz):	15
Frequency (MHz):	708.5
RB / Offset:	1 / 37

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1431.8	H	-	-	-79.08	-0.83	27.09	-68.17	-13.00	-55.17
2102.9	H	-	-	-79.52	2.98	30.46	-64.79	-13.00	-51.79
2815.3	H	-	-	-79.89	4.74	31.85	-63.41	-13.00	-50.41

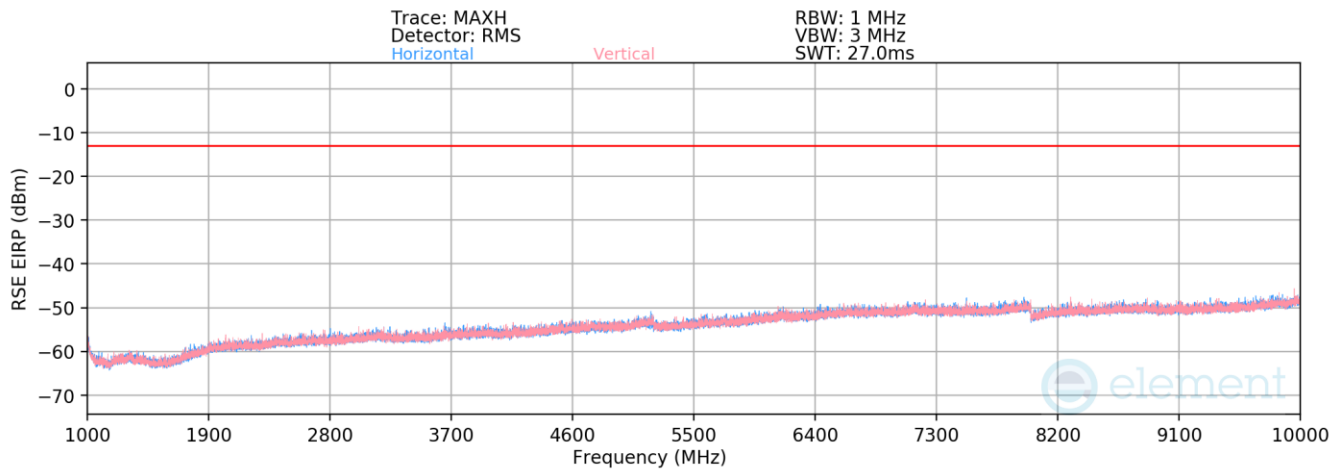
Table 7-89. Radiated Spurious Data (NR Band n12 – High Channel) – Ant2

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n71 – Ant2



Plot 7-350. Radiated Spurious Plot (NR Band n71) – Ant2



Plot 7-351. Radiated Spurious Plot (NR Band n71) – Ant2

Bandwidth (MHz):	35
Frequency (MHz):	680.5
RB / Offset:	1 / 94

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]
45.20	H	200	-	-80.92	-6.00	20.08	-77.67	-13.00	-64.67
110.80	V	200	-	-80.53	-8.18	18.29	-79.47	-13.00	-66.47
250.75	H	200	-	-81.93	-5.67	19.40	-78.36	-13.00	-65.36
339.20	H	200	-	-82.79	-3.22	21.00	-76.76	-13.00	-63.76
483.35	V	200	-	-82.25	0.03	24.77	-72.98	-13.00	-59.98
970.40	V	200	-	-83.43	8.36	31.92	-65.83	-13.00	-52.83

Table 7-90. Radiated Spurious Data (NR Band n71 – Mid Channel) – Ant2

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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Bandwidth (MHz):	35
Frequency (MHz):	680.5
RB / Offset:	1 / 94

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]
1361.00	H	-	-	-78.72	-0.35	27.93	-67.33	-13.00	-54.33
2041.50	H	392	34	-73.10	2.68	36.59	-58.67	-13.00	-45.67
2722.00	H	-	-	-79.88	4.53	31.65	-63.60	-13.00	-50.60
3402.50	H	-	-	-80.56	6.05	32.49	-62.77	-13.00	-49.77
4083.00	V	-	-	-81.21	7.59	33.39	-61.87	-13.00	-48.87

Table 7-91. Radiated Spurious Data (NR Band n71 – Low Channel) – Ant2

Bandwidth (MHz):	35
Frequency (MHz):	680.5
RB / Offset:	1 / 94

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]
1361.00	V	-	-	-79.13	-0.61	27.26	-68.00	-13.00	-55.00
2041.50	H	-	-	-79.23	2.92	30.70	-64.56	-13.00	-51.56
2722.00	V	-	-	-79.74	4.46	31.72	-63.53	-13.00	-50.53

Table 7-92. Radiated Spurious Data (NR Band n71 – Mid Channel) – Ant2

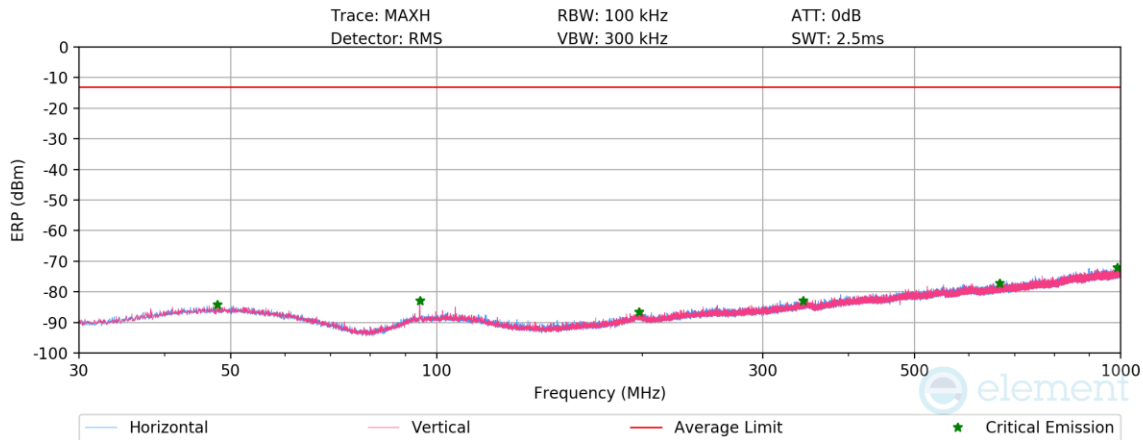
Bandwidth (MHz):	35
Frequency (MHz):	680.5
RB / Offset:	1 / 94

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]
1361.00	1373.35	250	360	-78.95	-0.62	27.43	-67.83	-13.00	-54.83
2041.50	2062.50	167	134	-76.19	3.01	33.83	-61.43	-13.00	-48.43
2722.00	2736.27	-	-	-79.73	4.46	31.73	-63.52	-13.00	-50.52
3402.50	3437.55	-	-	-80.68	5.92	32.24	-63.02	-13.00	-50.02
4083.00	4106.92	-	-	-81.38	7.87	33.50	-61.76	-13.00	-48.76

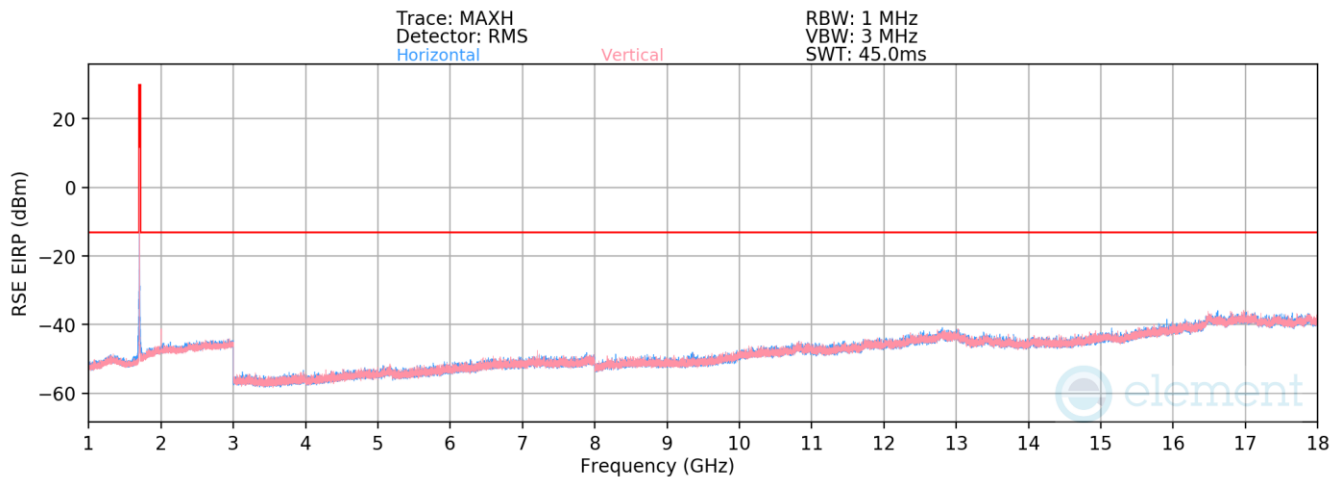
Table 7-93. Radiated Spurious Data (NR Band n71 – High Channel) – Ant2

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260064-03.A3L	Test Dates: 9/4/2024 - 10/26/2024	EUT Type: Portable Handset	Page 262 of 276

NR Band n70 – Ant2



Plot 7-352. Radiated Spurious Plot (NR Band n70) – Ant2



Plot 7-353. Radiated Spurious Plot (NR Band n70) – Ant2

Frequency (MHz):	1702.5
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]
47.75	V	-	-	-81.62	-11.81	13.57	-83.83	-13.00	-70.83
94.50	V	-	-	-77.77	-14.37	14.86	-82.55	-13.00	-69.55
197.75	V	-	-	-82.79	-13.10	11.12	-86.29	-13.00	-73.29
343.45	V	-	-	-83.09	-9.00	14.91	-82.50	-13.00	-69.50
665.10	V	-	-	-84.14	-2.34	20.52	-76.89	-13.00	-63.89
988.30	H	-	-	-84.13	2.74	25.61	-71.80	-13.00	-58.80

Table 7-94. Radiated Spurious Data (NR Band n70) – Ant2

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2408260064-03.A3L	Test Dates: 9/4/2024 - 10/26/2024	EUT Type: Portable Handset		Page 263 of 276



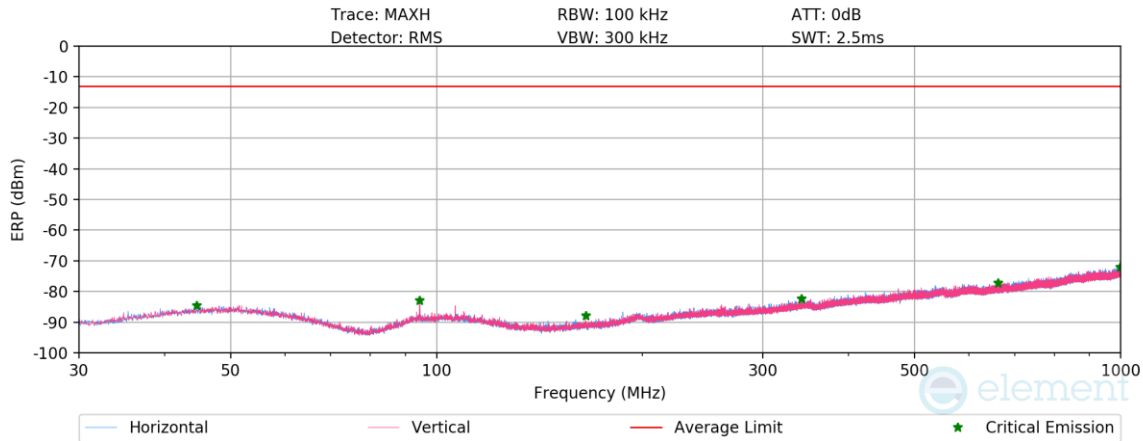
Bandwidth (MHz):	15
Frequency (MHz):	1702.5
RB / Offset:	1 / 39
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz

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]
3393.51	H	-	-	-80.60	6.25	32.65	-62.61	-13.00	-49.61
5106.55	H	-	-	-82.71	10.21	34.51	-60.75	-13.00	-47.75
6803.76	V	-	-	-83.51	13.49	36.97	-58.28	-13.00	-45.28

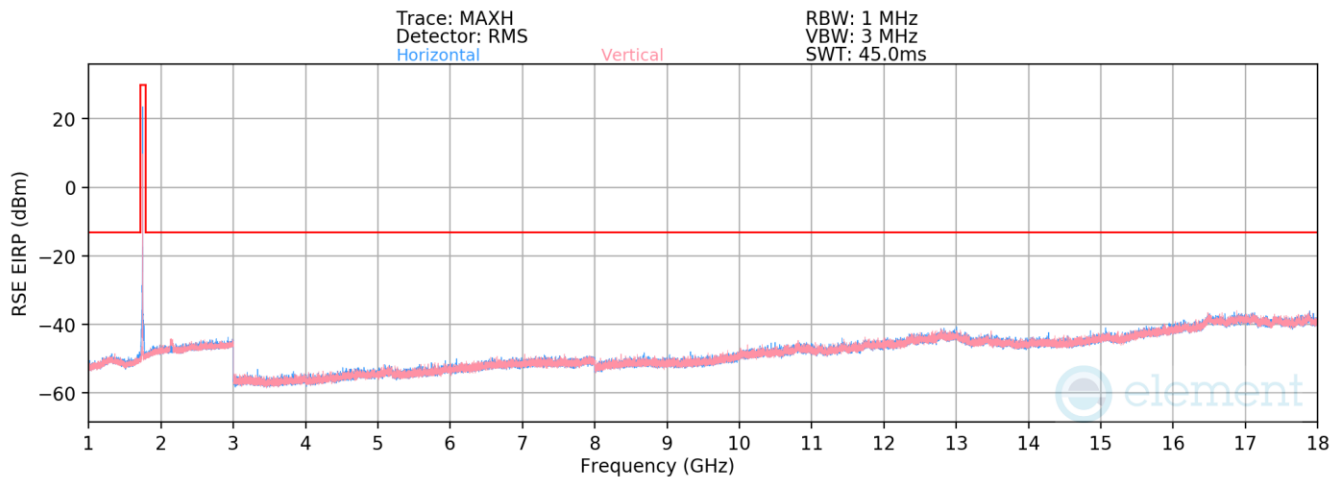
Table 7-95. Radiated Spurious Data (NR Band n70 – Mid Channel) – Ant2

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n66 – Ant2



Plot 7-354. Radiated Spurious Plot (NR Band n66) – Ant2



Plot 7-355. Radiated Spurious Plot (NR Band n66) – Ant2

Bandwidth (MHz):	45
Frequency (MHz):	1745
RB / Offset:	1 / 121

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]
44.55	H	-	-	-62.89	-12.12	31.99	-84.50	-13.00	-71.50
94.45	V	-	-	-59.10	-14.37	33.53	-82.96	-13.00	-69.96
165.10	V	-	-	-62.28	-16.05	28.67	-87.82	-13.00	-74.82
341.75	V	-	-	-63.67	-9.13	34.20	-82.29	-13.00	-69.29
661.15	H	-	-	-65.26	-2.37	39.37	-77.12	-13.00	-64.12
997.30	H	-	-	-65.59	2.97	44.38	-72.11	-13.00	-59.11

Table 7-96. Radiated Spurious Data (NR Band n66) – Ant2

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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Bandwidth (MHz):	45
Frequency (MHz):	1732.5
RB / Offset:	1 / 121

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]
3489.28	H	-	-	-80.56	6.07	32.50	-62.75	-13.00	-49.75
5197.70	H	-	-	-80.41	10.26	36.85	-58.41	-13.00	-45.41
6916.06	H	-	-	-83.46	13.58	37.12	-58.14	-13.00	-45.14
8646.62	V	-	-	-83.09	14.06	37.97	-57.29	-13.00	-44.29
10392.45	H	-	-	-84.31	17.84	40.53	-54.73	-13.00	-41.73

Table 7-97. Radiated Spurious Data (NR Band n66 – Low Channel) – Ant2

Bandwidth (MHz):	45
Frequency (MHz):	1745
RB / Offset:	1 / 121

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]
3484.56	H	-	-	-80.62	6.07	32.45	-62.81	-13.00	-49.81
5235.25	H	-	-	-78.54	10.78	39.24	-56.02	-13.00	-43.02
6989.39	H	-	-	-83.50	13.48	36.98	-58.28	-13.00	-45.28
8720.21	V	-	-	-83.51	14.40	37.89	-57.37	-13.00	-44.37
10479.34	H	-	-	-84.47	18.37	40.90	-54.36	-13.00	-41.36

Table 7-98. Radiated Spurious Data (NR Band n66 – Mid Channel) – Ant2

Bandwidth (MHz):	45
Frequency (MHz):	1757.5
RB / Offset:	1 / 121

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]
3532.93	V	-	-	-80.63	6.17	32.54	-62.72	-13.00	-49.72
5272.70	H	-	-	-81.24	11.03	36.79	-58.46	-13.00	-45.46
7036.29	H	-	-	-83.39	13.44	37.05	-58.21	-13.00	-45.21
8781.86	V	-	-	-83.27	14.52	38.25	-57.01	-13.00	-44.01

Table 7-99. Radiated Spurious Data (NR Band n66 – High Channel) – Ant2

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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” 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

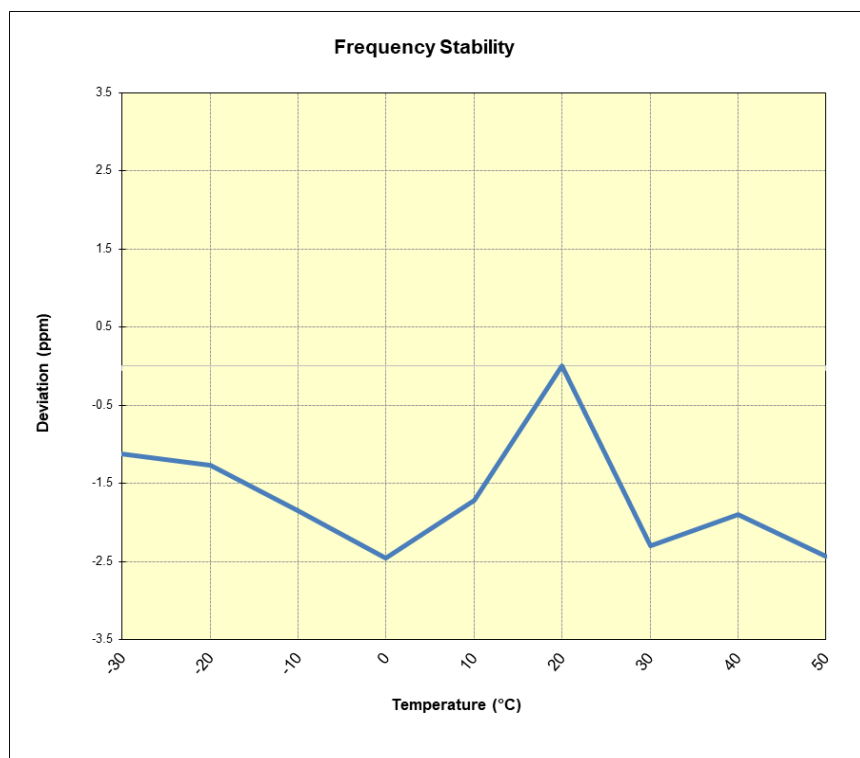
FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 71

Operating Frequency (Hz):	680,500,000
Ref. Voltage (VDC):	3.863
Deviation Limit:	± 0.00025% or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.863	- 30	680,600,008	-760	-0.0001117
		- 20	680,599,906	-862	-0.0001267
		- 10	680,599,510	-1,258	-0.0001848
		0	680,599,095	-1,673	-0.0002458
		+ 10	680,599,600	-1,168	-0.0001716
		+ 20 (Ref)	680,600,768	0	0.0000000
		+ 30	680,599,201	-1,567	-0.0002302
		+ 40	680,599,479	-1,289	-0.0001894
Battery Endpoint	3.174	+ 50	680,599,111	-1,657	-0.0002435
		+ 20	680,599,521	-1,247	-0.0001832

Table 7-100. LTE Band 71 Frequency Stability Data



Plot 7-356. LTE Band 71 Frequency Stability Chart

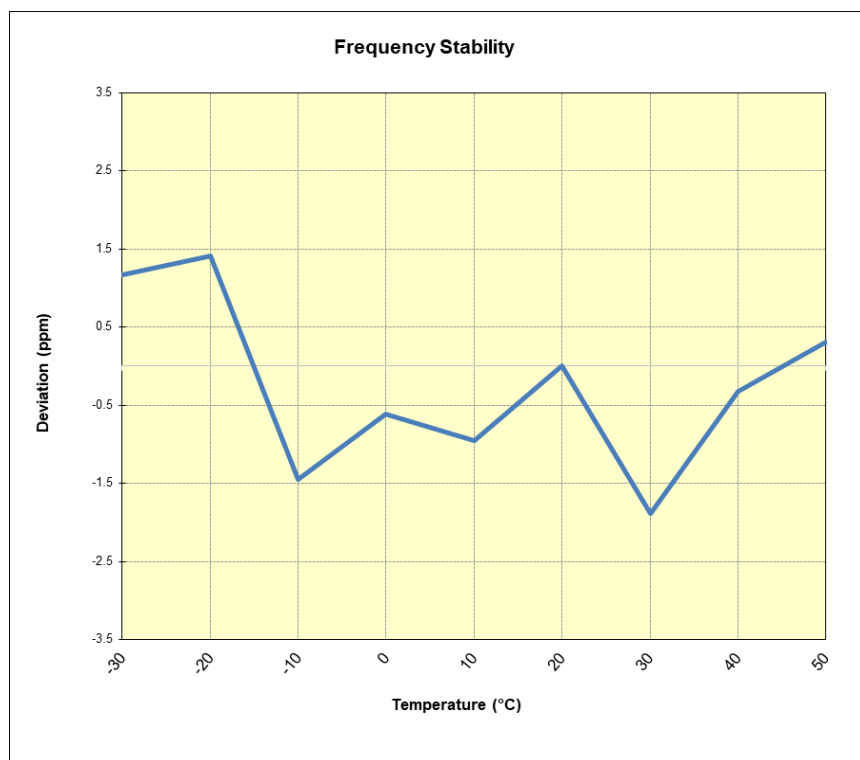
FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 12

Operating Frequency (Hz):	707,500,000
Ref. Voltage (VDC):	3.863
Deviation Limit:	± 0.00025% or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.863	- 30	707,599,174	826	0.0001167
		- 20	707,599,345	997	0.0001409
		- 10	707,597,326	-1,022	-0.0001444
		0	707,597,913	-435	-0.0000615
		+ 10	707,597,674	-674	-0.0000953
		+ 20 (Ref)	707,598,348	0	0.0000000
		+ 30	707,597,014	-1,334	-0.0001885
		+ 40	707,598,124	-224	-0.0000317
		+ 50	707,598,569	221	0.0000312
Battery Endpoint	3.174	+ 20	707,599,577	1,229	0.0001737

Table 7-101. LTE Band 12 Frequency Stability Data



Plot 7-357. LTE Band 12 Frequency Stability Chart

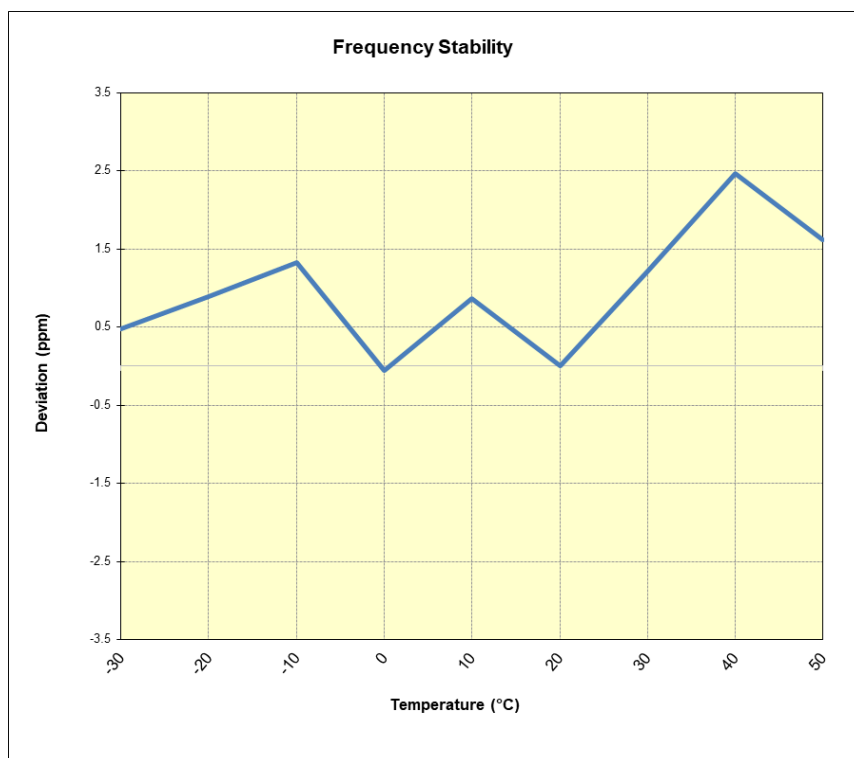
FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 13

Operating Frequency (Hz):	782,000,000
Ref. Voltage (VDC):	3.863
Deviation Limit:	± 0.00025% or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.863	- 30	782,090,556	373	0.0000477
		- 20	782,090,879	696	0.0000890
		- 10	782,091,222	1,039	0.0001328
		0	782,090,140	-43	-0.0000055
		+ 10	782,090,861	678	0.0000867
		+ 20 (Ref)	782,090,183	0	0.0000000
		+ 30	782,091,131	948	0.0001212
		+ 40	782,092,111	1,928	0.0002465
		+ 50	782,091,452	1,269	0.0001623
Battery Endpoint	3.174	+ 20	782,092,044	1,861	0.0002380

Table 7-102. LTE Band 13 Frequency Stability Data



Plot 7-358. LTE Band 13 Frequency Stability Chart

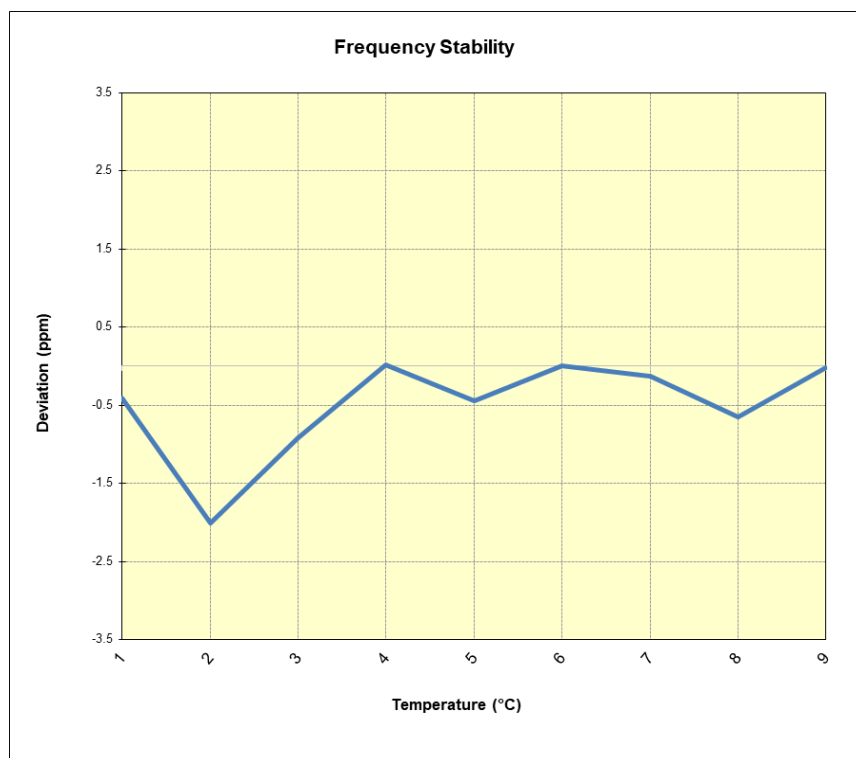
FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 66/4

Operating Frequency (Hz):	1,745,000,000
Ref. Voltage (VDC):	3.863
Deviation Limit:	± 0.00025% or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.863	- 30	1,745,098,543	-709	-0.0000406
		- 20	1,745,095,760	-3,492	-0.0002001
		- 10	1,745,097,644	-1,608	-0.0000921
		0	1,745,099,291	39	0.0000022
		+ 10	1,745,098,479	-773	-0.0000443
		+ 20 (Ref)	1,745,099,252	0	0.0000000
		+ 30	1,745,099,023	-229	-0.0000131
		+ 40	1,745,098,122	-1,130	-0.0000648
		+ 50	1,745,099,222	-30	-0.0000017
Battery Endpoint	3.174	+ 20	1,745,098,246	-1,006	-0.0000576

Table 7-103. LTE Band 66/4 Frequency Stability Data



Plot 7-359. LTE Band 66/4 Frequency Stability Chart

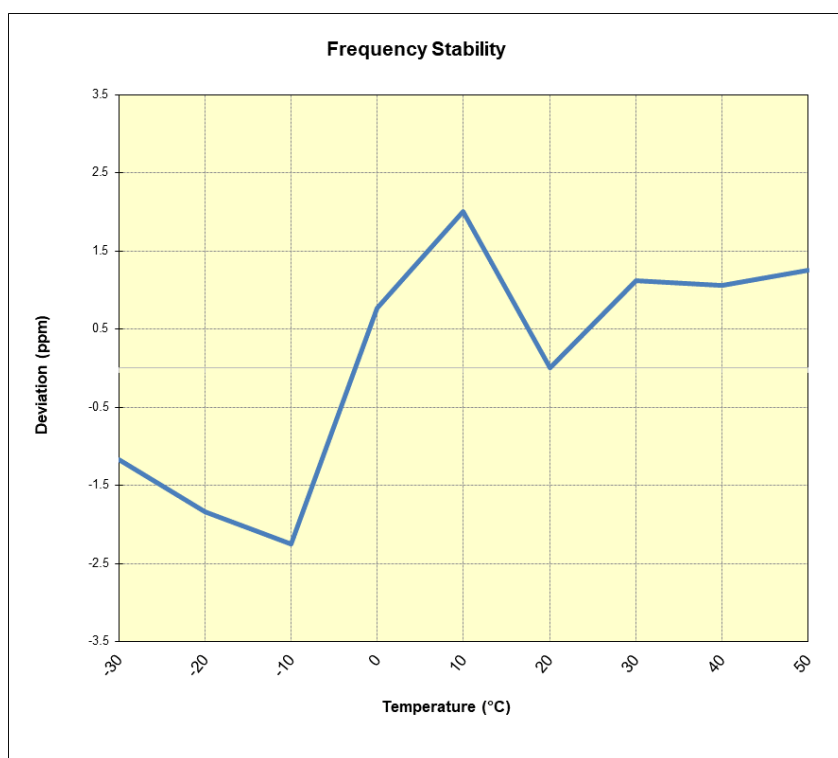
FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n71

Operating Frequency (Hz):	680,500,000
Ref. Voltage (VDC):	3.863
Deviation Limit:	± 0.00025% or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.863	- 30	680,599,893	-800	-0.0001175
		- 20	680,599,444	-1,249	-0.0001835
		- 10	680,599,159	-1,534	-0.0002254
		0	680,601,214	521	0.0000766
		+ 10	680,602,055	1,362	0.0002001
		+ 20 (Ref)	680,600,693	0	0.0000000
		+ 30	680,601,457	764	0.0001123
		+ 40	680,601,417	724	0.0001064
		+ 50	680,601,546	853	0.0001253
Battery Endpoint	3.174	+ 20	680,601,244	551	0.0000810

Table 7-104. NR Band n71 Frequency Stability Data



Plot 7-360. NR Band n71 Frequency Stability Chart

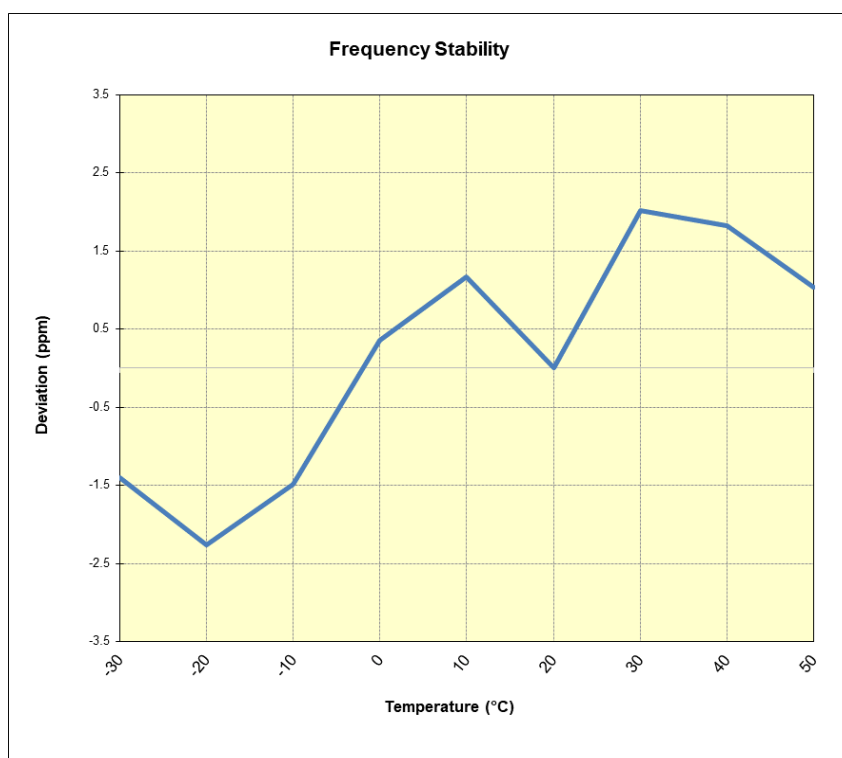
FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260064-03.A3L	Test Dates: 9/4/2024 - 10/26/2024	EUT Type: Portable Handset	Page 272 of 276

NR Band n12

Operating Frequency (Hz):	707,500,000
Ref. Voltage (VDC):	3.863
Deviation Limit:	± 0.00025% or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.863	- 30	707,599,726	-995	-0.0001406
		- 20	707,599,117	-1,604	-0.0002267
		- 10	707,599,671	-1,050	-0.0001484
		0	707,600,974	253	0.0000358
		+ 10	707,601,547	826	0.0001167
		+ 20 (Ref)	707,600,721	0	0.0000000
		+ 30	707,602,147	1,426	0.0002015
		+ 40	707,602,011	1,290	0.0001823
		+ 50	707,601,452	731	0.0001033
Battery Endpoint	3.174	+ 20	707,601,522	801	0.0001132

Table 7-105. NR Band n12 Frequency Stability Data



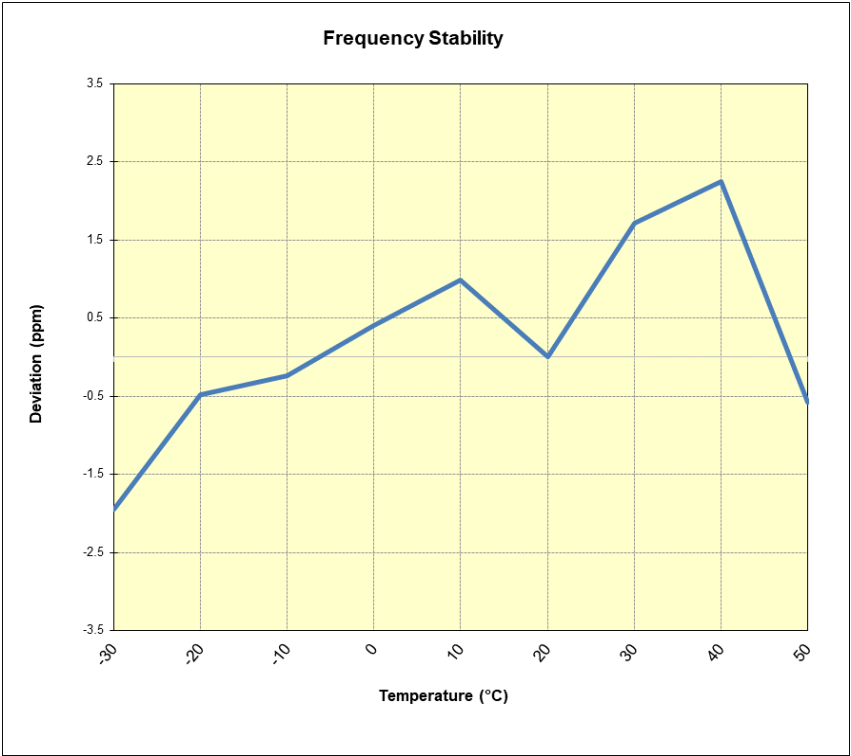
Plot 7-361. NR Band n12 Frequency Stability Chart

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n70

Operating Frequency (Hz):	1,702,500,000
Ref. Voltage (VDC):	3.863
Deviation Limit:	± 0.00025% or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.863	- 30	1,702,630,106	-3,319	-0.0001949
		- 20	1,702,632,599	-826	-0.0000485
		- 10	1,702,633,014	-411	-0.0000241
		0	1,702,634,121	696	0.0000409
		+ 10	1,702,635,100	1,675	0.0000984
		+ 20 (Ref)	1,702,633,425	0	0.0000000
		+ 30	1,702,636,333	2,908	0.0001708
		+ 40	1,702,637,254	3,829	0.0002249
		+ 50	1,702,632,444	-981	-0.0000576
Battery Endpoint	3.174	+ 20	1,702,633,222	-203	-0.0000119

Table 7-106. NR Band n70 Frequency Stability Data**Plot 7-362. NR Band n70 Frequency Stability Chart**

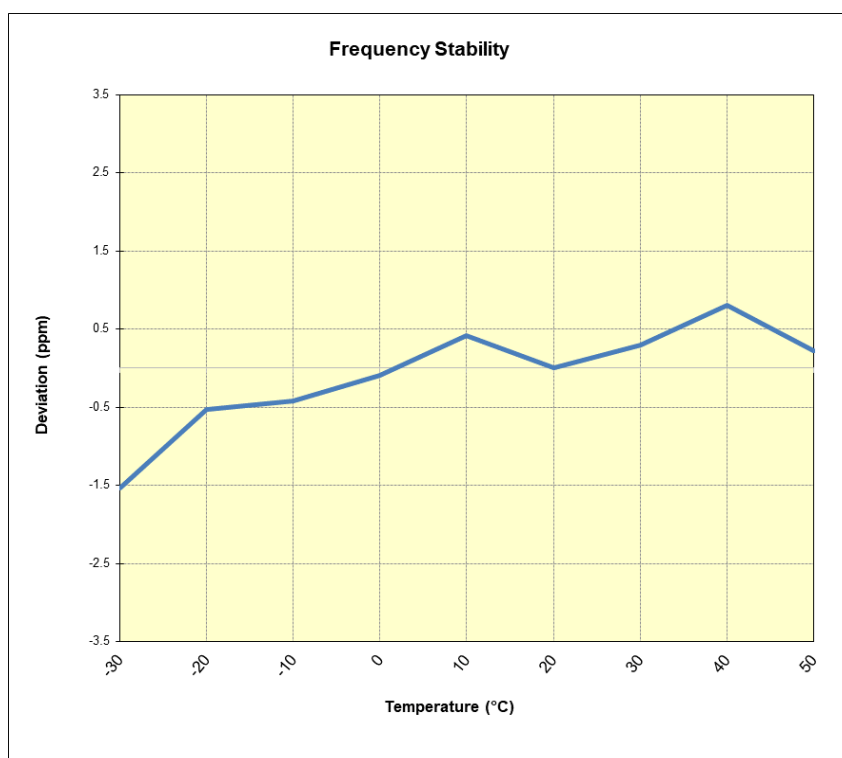
FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260064-03.A3L	Test Dates: 9/4/2024 - 10/26/2024	EUT Type: Portable Handset	Page 274 of 276

NR Band n66

Operating Frequency (Hz):	1,745,000,000
Ref. Voltage (VDC):	3.863
Deviation Limit:	± 0.00025% or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.863	- 30	1,745,132,038	-2,679	-0.0001535
		- 20	1,745,133,789	-928	-0.0000532
		- 10	1,745,133,978	-739	-0.0000423
		0	1,745,134,547	-170	-0.0000097
		+ 10	1,745,135,441	724	0.0000415
		+ 20 (Ref)	1,745,134,717	0	0.0000000
		+ 30	1,745,135,227	510	0.0000292
		+ 40	1,745,136,122	1,405	0.0000805
		+ 50	1,745,135,111	394	0.0000226
Battery Endpoint	3.174	+ 20	1,745,137,222	2,505	0.0001435

Table 7-107. NR Band n66 Frequency Stability Data



Plot 7-363. NR Band n66 Frequency Stability Chart

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung Portable Handset** **FCC ID: A3LSMS936U** complies with all the requirements of Part 27 of the FCC rules.

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Test Report S/N: 1M2408260064-03.A3L	Test Dates: 9/4/2024 - 10/26/2024	EUT Type: Portable Handset	Page 276 of 276