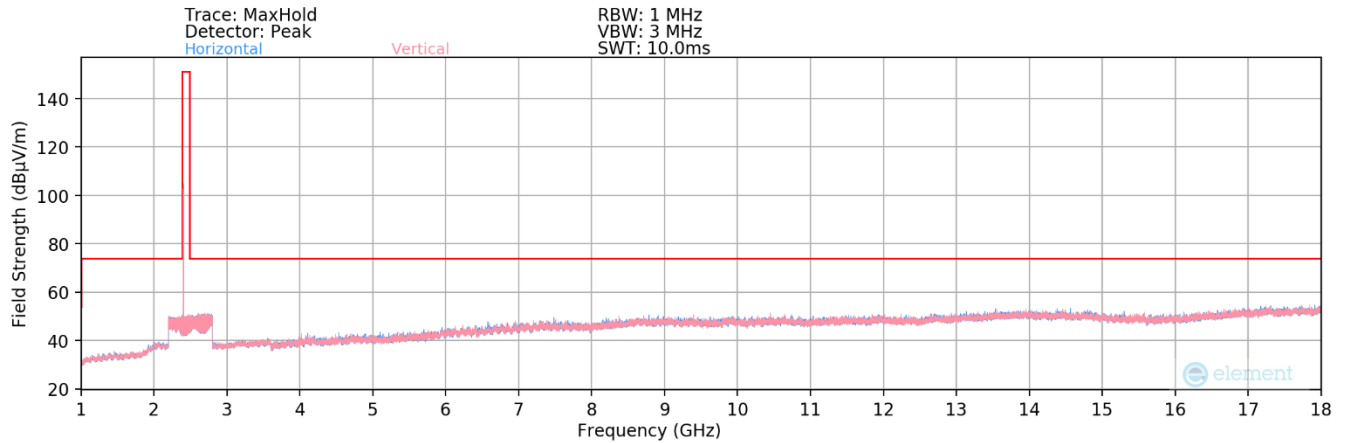
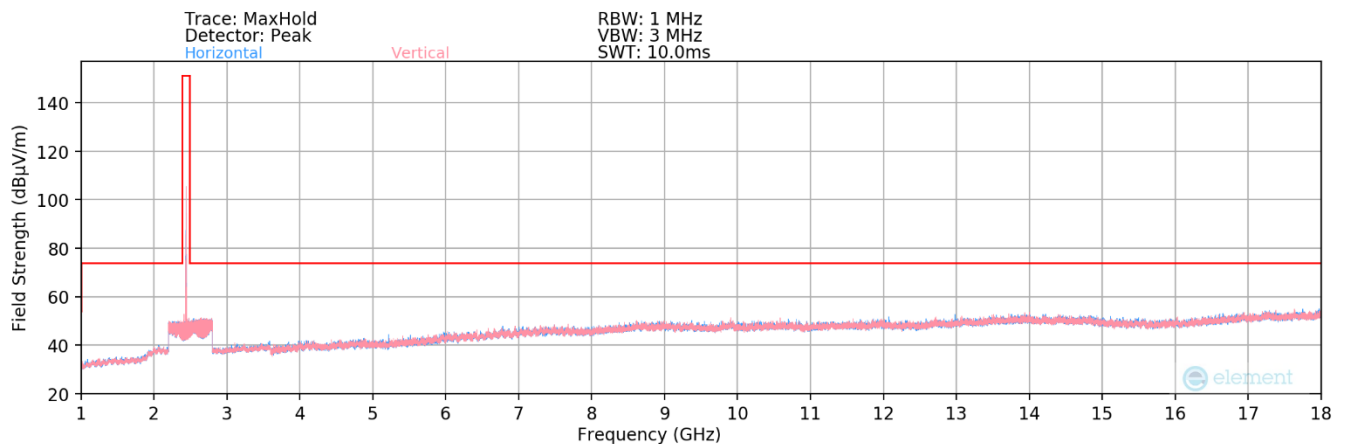


Radiated Spurious Emission Measurements – Ant 1

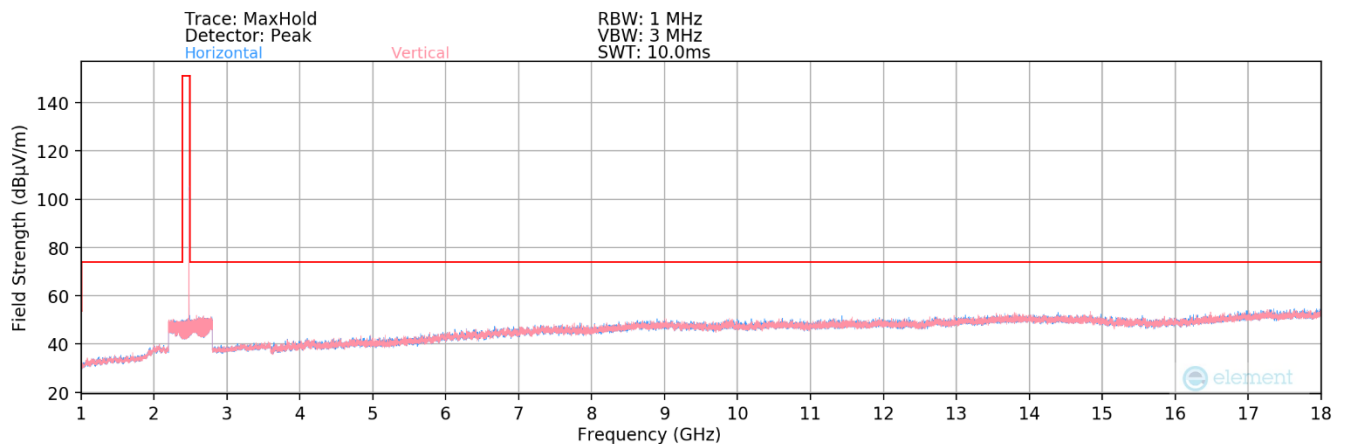
§15.205 §15.209 §15.247 (d); RSS-Gen [8.9]



Plot 7-83. Radiated Spurious Plot above 1GHz (BT – Ch. 0) – ANT1



Plot 7-84. Radiated Spurious Plot above 1GHz (BT – Ch. 39) – ANT1

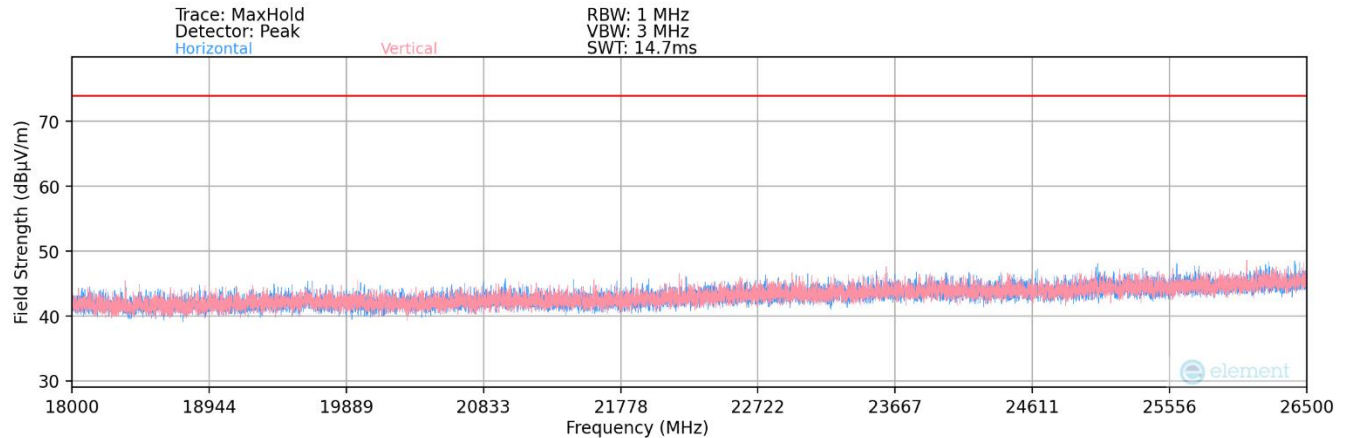


Plot 7-85. Radiated Spurious Plot above 1GHz (BT – Ch. 78) – ANT1

FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2505130049-03.A3L	Test Dates: 6/3 - 7/17/2025	EUT Type: Portable Tablet	Page 69 of 94

Radiated Spurious Emissions Measurements (Above 18GHz) – Ant 1

§15.209; RSS-Gen [8.9]



Plot 7-86. Radiated Spurious Plot above 18GHz– ANT1

FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2505130049-03.A3L	Test Dates: 6/3 - 7/17/2025	EUT Type: Portable Tablet	Page 70 of 94



Radiated Spurious Emission Measurements – Ant 1

§15.205 §15.209 §15.247 (d); RSS-Gen [8.9]

Worst Case Mode: Bluetooth
Worst Case Data Rate: 1 Mbps
Measurement Distance: 3 Meters
Operating Frequency: 2402MHz
Channel: 0

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Duty Cycle Correction [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
4804.00	Avg	H	340	143	-75.84	2.72	-22.50	11.38	53.98	-42.60
4804.00	Peak	H	340	143	-64.08	2.72	0.00	45.64	73.98	-28.34
12010.00	Avg	H	-	-	-81.12	13.32	0.00	39.20	53.98	-14.78
12010.00	Peak	H	-	-	-68.82	13.32	0.00	51.50	73.98	-22.48

Table 7-10. Radiated Measurements– ANT1

Worst Case Mode: Bluetooth
Worst Case Data Rate: 1 Mbps
Measurement Distance: 3 Meters
Operating Frequency: 2441MHz
Channel: 39

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Duty Cycle Correction [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
4882.00	Avg	H	-	-	-78.53	3.10	0.00	31.57	53.98	-22.41
4882.00	Peak	H	-	-	-66.83	3.10	0.00	43.27	73.98	-30.71
7323.00	Avg	H	-	-	-79.21	9.53	0.00	37.32	53.98	-16.66
7323.00	Peak	H	-	-	-67.36	9.53	0.00	49.17	73.98	-24.81
12205.00	Avg	H	-	-	-81.33	13.21	0.00	38.88	53.98	-15.10
12205.00	Peak	H	-	-	-68.72	13.21	0.00	51.49	73.98	-22.49

Table 7-11. Radiated Measurements– ANT1

FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2505130049-03.A3L	Test Dates: 6/3 - 7/17/2025	EUT Type: Portable Tablet	Page 71 of 94



Radiated Spurious Emission Measurements – Ant 1

§15.205 §15.209 §15.247 (d); RSS-Gen [8.9]

Worst Case Mode: Bluetooth
Worst Case Data Rate: 1 Mbps
Measurement Distance: 3 Meters
Operating Frequency: 2480MHz
Channel: 78

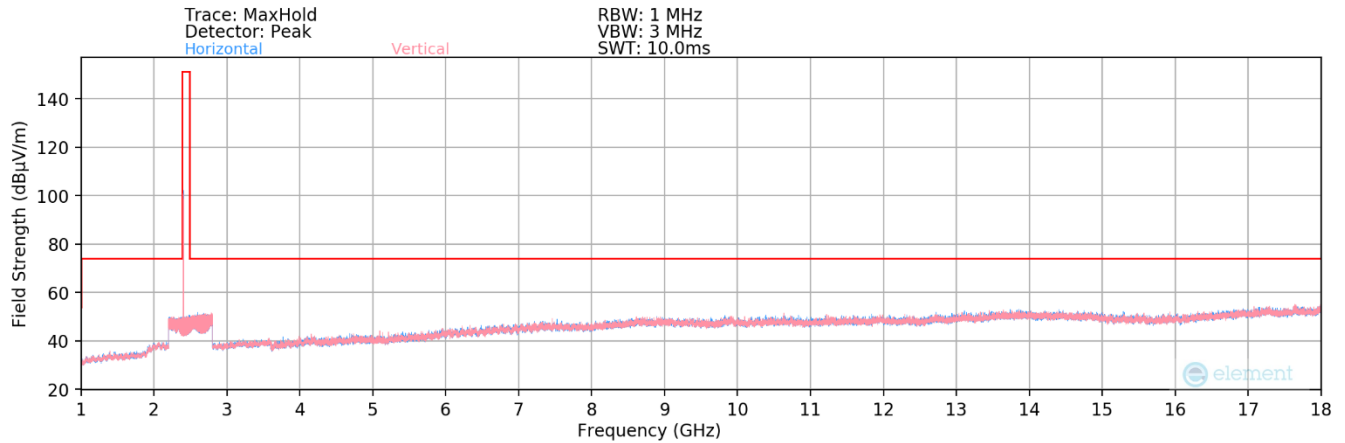
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Duty Cycle Correction [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
4960.00	Avg	H	-	-	-78.50	3.05	0.00	31.55	53.98	-22.43
4960.00	Peak	H	-	-	-66.52	3.05	0.00	43.53	73.98	-30.45
7440.00	Avg	H	-	-	-79.81	9.19	0.00	36.38	53.98	-17.60
7440.00	Peak	H	-	-	-67.44	9.19	0.00	48.75	73.98	-25.23
12400.00	Avg	H	-	-	-80.99	13.27	0.00	39.28	53.98	-14.70
12400.00	Peak	H	-	-	-68.77	13.27	0.00	51.50	73.98	-22.48

Table 7-12. Radiated Measurements– ANT1

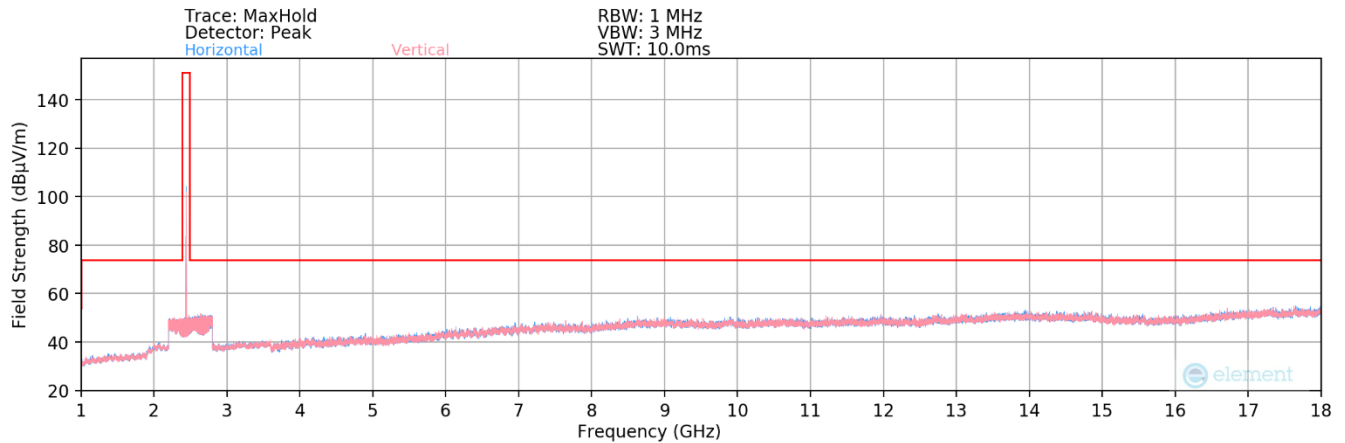
FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2505130049-03.A3L	Test Dates: 6/3 - 7/17/2025	EUT Type: Portable Tablet	Page 72 of 94

Radiated Spurious Emission Measurements – Ant 2

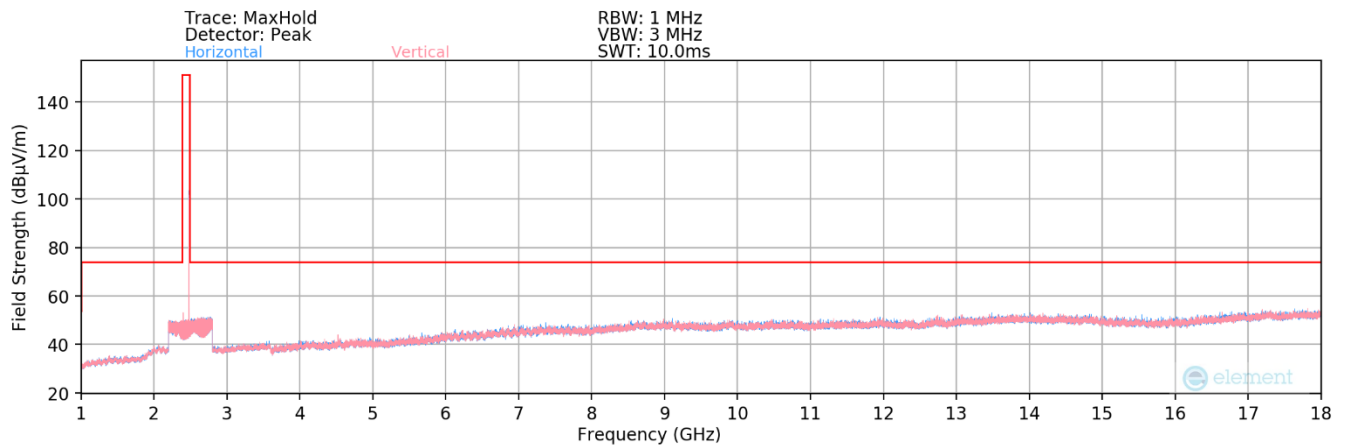
§15.205 §15.209 §15.247 (d); RSS-Gen [8.9]



Plot 7-87. Radiated Spurious Plot above 1GHz (BT – Ch. 0) – ANT2



Plot 7-88. Radiated Spurious Plot above 1GHz (BT – Ch. 39) – ANT2

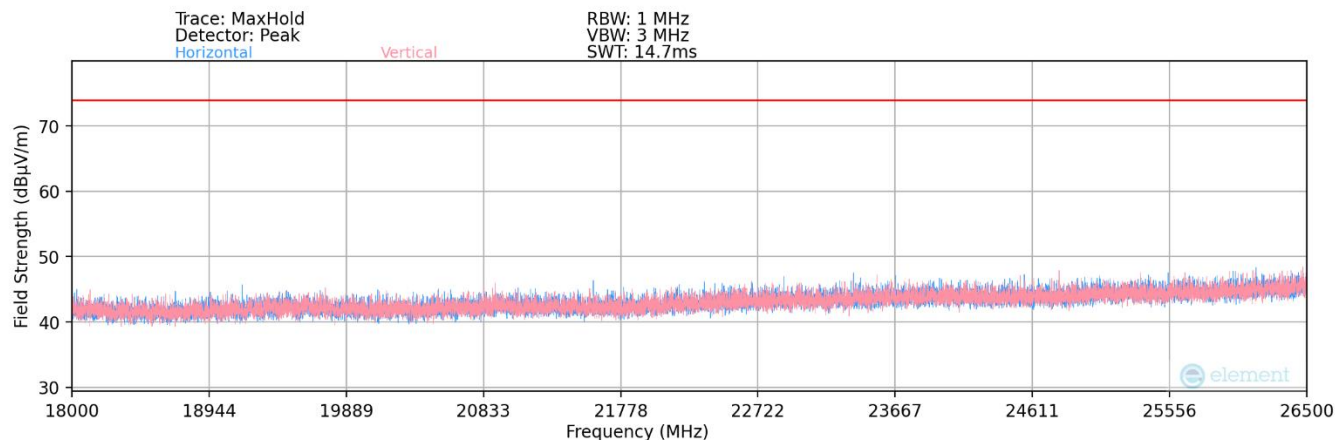


Plot 7-89. Radiated Spurious Plot above 1GHz (BT – Ch. 78) – ANT2

FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2505130049-03.A3L	Test Dates: 6/3 - 7/17/2025	EUT Type: Portable Tablet	Page 73 of 94

Radiated Spurious Emissions Measurements (Above 18GHz) – Ant 2

§15.209; RSS-Gen [8.9]



Plot 7-90. Radiated Spurious Plot above 18GHz– ANT2

FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2505130049-03.A3L	Test Dates: 6/3 - 7/17/2025	EUT Type: Portable Tablet	Page 74 of 94



Radiated Spurious Emission Measurements – Ant 2

§15.205 §15.209 §15.247 (d); RSS-Gen [8.9]

Worst Case Mode: Bluetooth
Worst Case Data Rate: 1 Mbps
Measurement Distance: 3 Meters
Operating Frequency: 2402MHz
Channel: 0

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Duty Cycle Correction [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
4804.00	Avg	H	334	146	-76.44	2.72	-22.50	10.78	53.98	-43.20
4804.00	Peak	H	334	146	-64.26	2.72	0.00	45.46	73.98	-28.52
12010.00	Avg	H	-	-	-81.63	13.32	0.00	38.69	53.98	-15.29
12010.00	Peak	H	-	-	-69.14	13.32	0.00	51.18	73.98	-22.80

Table 7-13. Radiated Measurements – ANT2

Worst Case Mode: Bluetooth
Worst Case Data Rate: 1 Mbps
Measurement Distance: 3 Meters
Operating Frequency: 2441MHz
Channel: 39

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Duty Cycle Correction [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
4882.00	Avg	H	350	144	-76.96	3.10	-22.50	10.64	53.98	-43.34
4882.00	Peak	H	350	144	-64.22	3.10	0.00	45.88	73.98	-28.10
7323.00	Avg	H	-	-	-79.97	9.53	0.00	36.56	53.98	-17.42
7323.00	Peak	H	-	-	-66.82	9.53	0.00	49.71	73.98	-24.27
12205.00	Avg	H	-	-	-81.75	13.21	0.00	38.46	53.98	-15.52
12205.00	Peak	H	-	-	-68.79	13.21	0.00	51.42	73.98	-22.56

Table 7-14. Radiated Measurements – ANT2

FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2505130049-03.A3L	Test Dates: 6/3 - 7/17/2025	EUT Type: Portable Tablet	Page 75 of 94



Radiated Spurious Emission Measurements – Ant 2

§15.205 §15.209 §15.247 (d); RSS-Gen [8.9]

Worst Case Mode: Bluetooth
Worst Case Data Rate: 1 Mbps
Measurement Distance: 3 Meters
Operating Frequency: 2480MHz
Channel: 78

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Duty Cycle Correction [dB]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
4960.00	Avg	H	120	142	-76.84	3.05	-22.50	10.71	53.98	-43.27
4960.00	Peak	H	120	142	-64.18	3.05	0.00	45.87	73.98	-28.11
7440.00	Avg	H	-	-	-80.26	9.19	0.00	35.93	53.98	-18.05
7440.00	Peak	H	-	-	-68.08	9.19	0.00	48.11	73.98	-25.87
12400.00	Avg	H	-	-	-81.46	13.27	0.00	38.81	53.98	-15.17
12400.00	Peak	H	-	-	-69.01	13.27	0.00	51.26	73.98	-22.72

Table 7-15. Radiated Measurements– ANT2

FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2505130049-03.A3L	Test Dates: 6/3 - 7/17/2025	EUT Type: Portable Tablet	Page 76 of 94

7.10 Radiated Restricted Band Edge Measurements

§15.205 §15.209 §15.247 (d); RSS-Gen [8.9]

Test Overview and Limit

All out of band radiated emissions at the band edge are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at maximum power, at the appropriate frequencies, and with hopping disabled. Only the radiated emissions of the configuration that produced the worst-case emissions are reported in this section.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR and Table 6 of RSS-Gen (8.10) must not exceed the limits shown below per Section 15.209 and RSS-Gen (8.9).

Frequency	Field Strength [$\mu\text{V/m}$]	Measured Distance [Meters]
Above 960.0 MHz	500	3

Table 7-16. Radiated Limits

Test Procedure Used

ANSI C63.10:2020 – Section 6.10.5.2

Test Settings

1. Span is set large enough to capture the peak level of the emission operating on the channel closest to the band edge
2. Reference level offset is set with the appropriate corrections for the frequencies shown in the plots
3. Reference level is set to provide the appropriate amount of “head room” above the signal as specified in ANSI C63.10:2020 Section 4.1.6.2
4. Attenuation is set to a low enough level to maintain enough dynamic range between the noise floor and the radiated limit
5. Sweep time = Auto coupled
6. RBW = 1MHz
7. VBW = 3 x RBW for peak measurements and 1kHz for RMS measurements
8. Detector = RMS and peak
9. Trace = Max Hold
10. Trace was allowed to stabilize

FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2505130049-03.A3L	Test Dates: 6/3 - 7/17/2025	EUT Type: Portable Tablet	Page 77 of 94

Test Setup

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

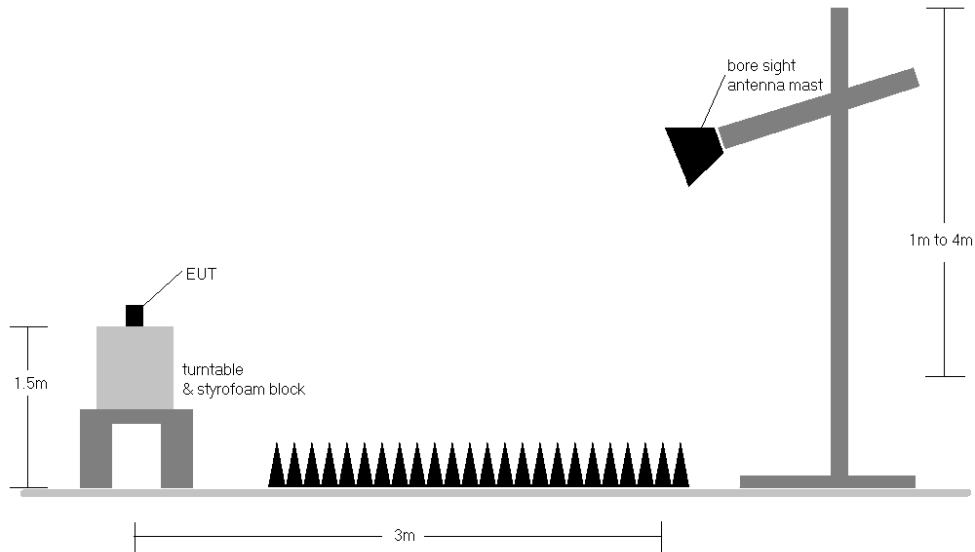


Figure 7-9. Radiated Test Setup >1GHz

Test Notes

1. All emissions lying in restricted bands specified in §15.205 and Section 8.10 of RSS-Gen are below the limits shown in §15.209.
2. No significant radiated emissions were found in the 2310 - 2390MHz restricted band.
3. The antenna is manipulated through typical positions, polarity, and length during the tests. The EUT is manipulated through three orthogonal planes.
4. This unit was tested with its standard battery.
5. The spectrum is measured from 9kHz to the 10th harmonic and the worst-case emissions are reported.
6. Two different amplitude offsets were used depending on whether peak or average measurements were measured. The average measurements use a duty cycle correction factor (DCCF).

The amplitude offset shown in the following plots for average measurements was calculated using the formula:

$$\text{Offset (dB)} = (\text{Antenna Factor} + \text{Cable Loss} + \text{Attenuator}) - \text{Preamplifier Gain} + \text{DCCF}$$

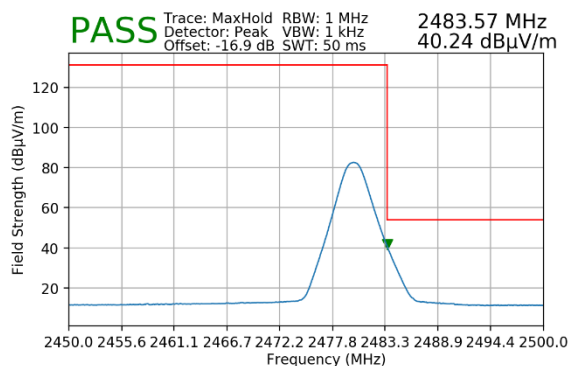
7. The "-" shown in the following RSE tables is used to denote a noise floor measurement.

FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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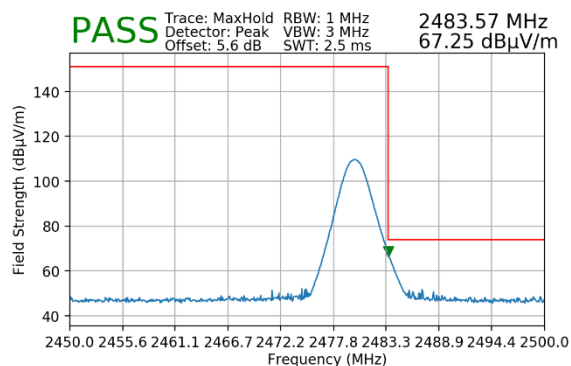
Radiated Restricted Band Edge Measurements – Ant 1

§15.205 §15.209 §15.247 (d); RSS-Gen [8.9]

Worst Case Mode:	Bluetooth
Worst Case Data Rate:	1 Mbps
Measurement Distance:	3 Meters
Operating Frequency:	2480MHz
Channel:	78



Plot 7-91. Radiated Restricted Upper Band Edge Measurement (Average) – ANT1



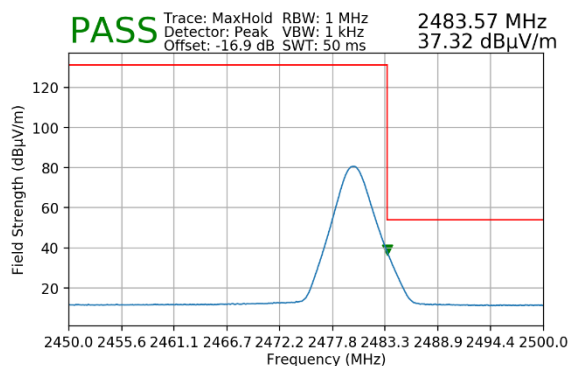
Plot 7-92. Radiated Restricted Upper Band Edge Measurement (Peak) – ANT1

FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2505130049-03.A3L	Test Dates: 6/3 - 7/17/2025	EUT Type: Portable Tablet	Page 79 of 94

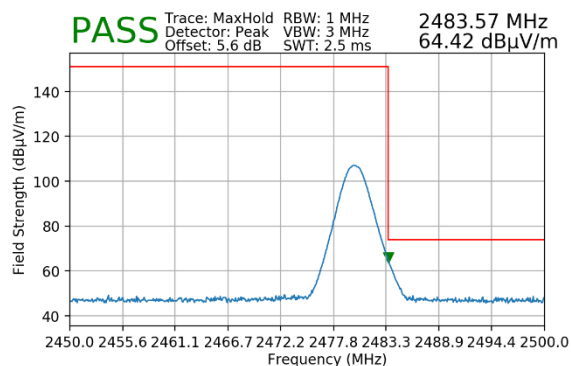
Radiated Restricted Band Edge Measurements – Ant 2

§15.205 §15.209 §15.247 (d); RSS-Gen [8.9]

Worst Case Mode:	Bluetooth
Worst Case Data Rate:	1 Mbps
Measurement Distance:	3 Meters
Operating Frequency:	2480MHz
Channel:	78



Plot 7-93. Radiated Restricted Upper Band Edge Measurement (Average) – ANT2



Plot 7-94. Radiated Restricted Upper Band Edge Measurement (Peak) – ANT2

FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2505130049-03.A3L	Test Dates: 6/3 - 7/17/2025	EUT Type: Portable Tablet	Page 80 of 94

7.11 Radiated Spurious Emissions Measurements – Below 1GHz

§15.209; RSS-Gen [8.9]

Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for radiated spurious emissions. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

All out of band emissions must not exceed the limits shown below per Section 15.209 and RSS-Gen (8.9).

Frequency	Field Strength [$\mu\text{V/m}$]	Measured Distance [Meters]
0.009 – 0.490 MHz	2400/F (kHz)	300
0.490 – 1.705 MHz	24000/F (kHz)	30
1.705 – 30.00 MHz	30	30
30.00 – 88.00 MHz	100	3
88.00 – 216.0 MHz	150	3
216.0 – 960.0 MHz	200	3
Above 960.0 MHz	500	3

Table 7-17. Radiated Limits

Test Procedures Used

ANSI C63.10:2020

Test Settings

Quasi-Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 120kHz (for emissions from 30MHz – 1GHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2505130049-03.A3L	Test Dates: 6/3 - 7/17/2025	EUT Type: Portable Tablet	Page 81 of 94

Test Setup

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

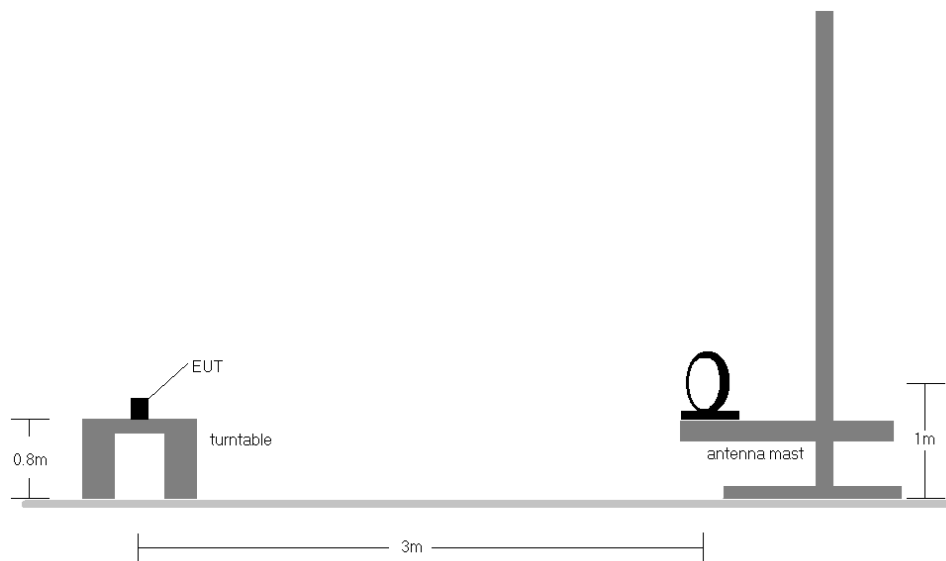


Figure 7-10. Radiated Test Setup < 30Mhz

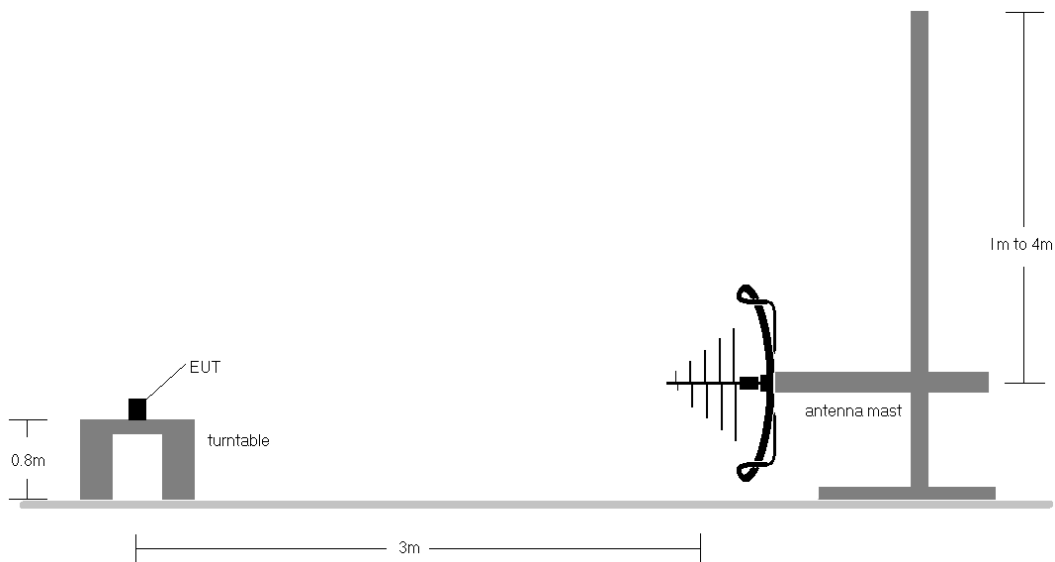


Figure 7-11. Radiated Test Setup < 1GHz

FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2505130049-03.A3L	Test Dates: 6/3 - 7/17/2025	EUT Type: Portable Tablet	Page 82 of 94

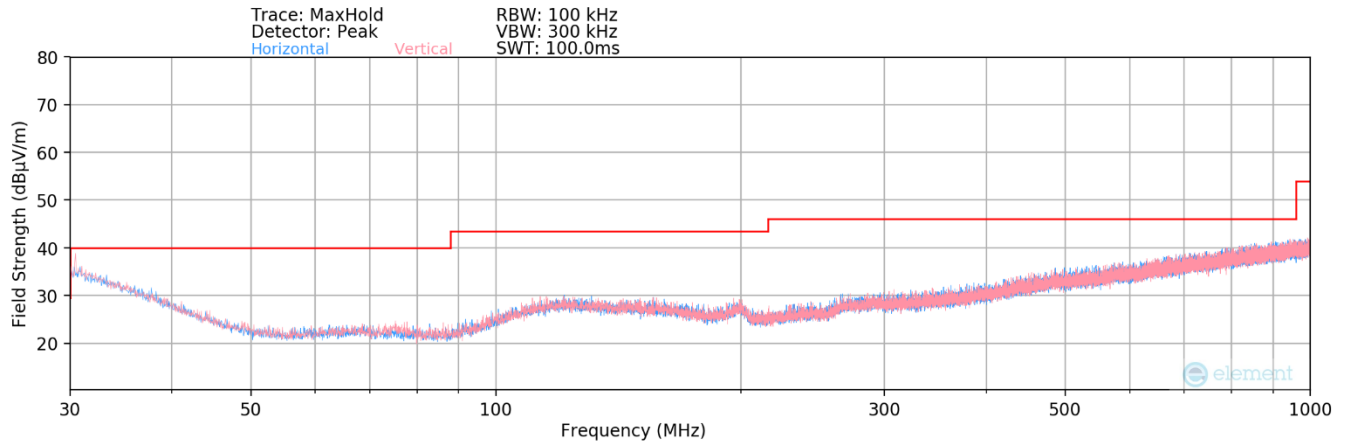
Test Notes

1. All emissions lying in restricted bands specified in §15.205 and RSS-Gen (8.10) are below the limits shown in §15.209.
2. The broadband receive antenna is manipulated through vertical and horizontal polarizations during the tests. The EUT is manipulated through three orthogonal planes.
3. The spectrum is investigated using a peak detector and final measurements are recorded using CISPR quasi peak detector. The worst-case emissions are reported however emissions whose levels were not within 20dB of the respective limits were not reported.
4. Emissions were measured at a 3 meter test distance.
5. Emissions are investigated while operating on the center channel of the mode, band, and modulation that produced the worst case results during the transmitter spurious emissions testing.
6. No spurious emissions were detected within 20dB of the limit below 30MHz.
7. The results recorded using the broadband antenna is known to correlate with the results obtained by using a tuned dipole with an acceptable degree of accuracy. The VSWR for the measurement antenna was found to be less than 2:1.
8. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification. There were no emissions detected in the 30MHz – 1GHz frequency range, as shown in the subsequent plots.

FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2505130049-03.A3L	Test Dates: 6/3 - 7/17/2025	EUT Type: Portable Tablet	Page 83 of 94

Radiated Spurious Emissions Measurements (Below 1GHz) – Ant 1

§15.209; RSS-Gen [8.9]



Plot 7-95. Radiated Spurious Plot below 1GHz – Ant 1

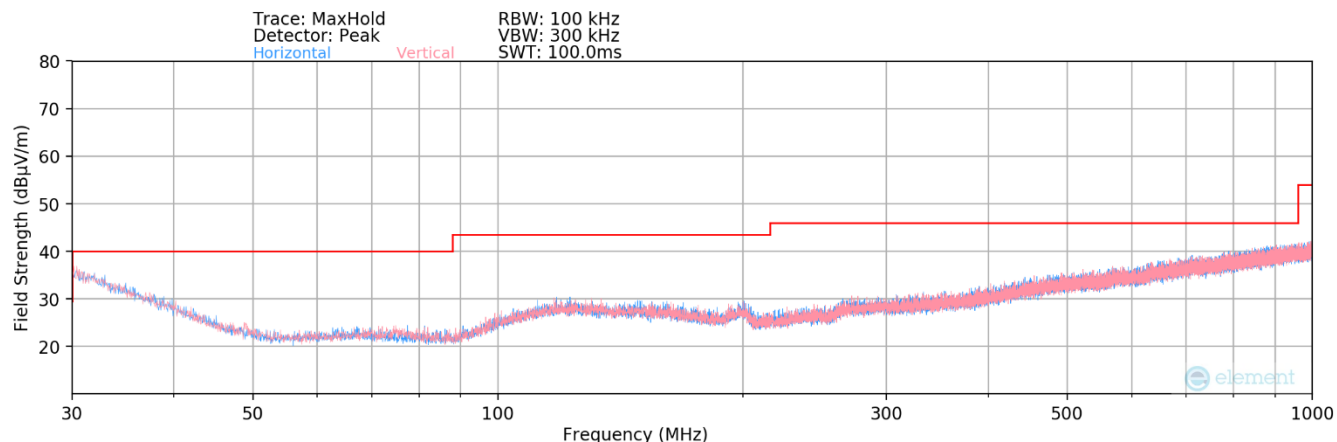
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
657.00	Quasi-Peak	H	-	-	-96.09	27.88	38.79	46.02	-7.23

Table 7-18. Radiated Spurious Emissions Below 1GHz – Ant 1

FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2505130049-03.A3L	Test Dates: 6/3 - 7/17/2025	EUT Type: Portable Tablet	Page 84 of 94

Radiated Spurious Emissions Measurements (Below 1GHz) – Ant 2

§15.209; RSS-Gen [8.9]



Plot 7-96. Radiated Spurious Plot below 1GHz – Ant 2

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
803.00	Quasi-Peak	H	-	-	-95.96	29.81	40.85	46.02	-5.17

Table 7-19. Radiated Spurious Emissions Below 1GHz – Ant 2

FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2505130049-03.A3L	Test Dates: 6/3 - 7/17/2025	EUT Type: Portable Tablet	Page 85 of 94

7.12 Line Conducted Measurement Data

§15.207; RSS-Gen [8.8]

Test Overview and Limit

All AC line conducted spurious emissions are measured with a receiver connected to a grounded LISN while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates and modes were investigated for conducted spurious emissions. Only the conducted emissions of the configuration that produced the worst case emissions are reported in this section.

All conducted emissions must not exceed the limits shown in the table below per Section 15.207 and RSS-Gen (8.8).

Frequency of emission (MHz)	Conducted Limit (dBμV)	
	Quasi-peak	Average
0.15 – 0.5	66 to 56*	56 to 46*
0.5 – 5	56	46
5 – 30	60	50

Table 7-20. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

ANSI C63.10:2020, Section 6.2

Test Settings

Quasi-Peak Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = quasi-peak
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

Average Field Strength Measurements

1. Analyzer center frequency was set to the frequency of the spurious emission of interest
2. RBW = 9kHz (for emissions from 150kHz – 30MHz)
3. Detector = RMS
4. Sweep time = auto couple
5. Trace mode = max hold
6. Trace was allowed to stabilize

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Test Setup

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

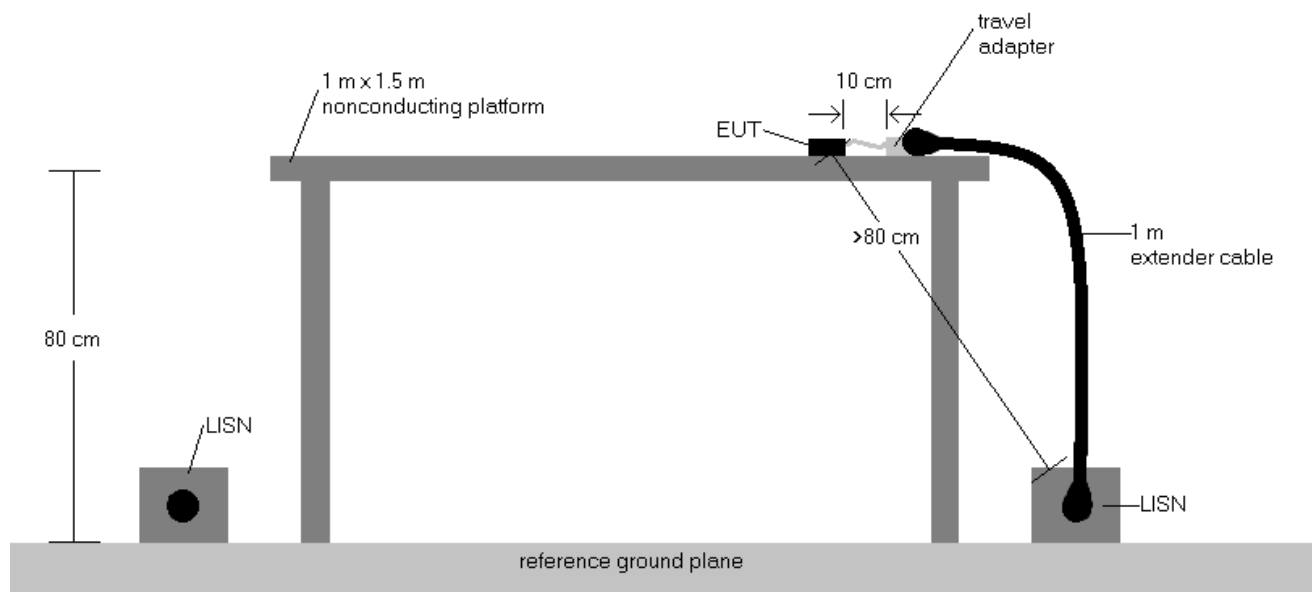
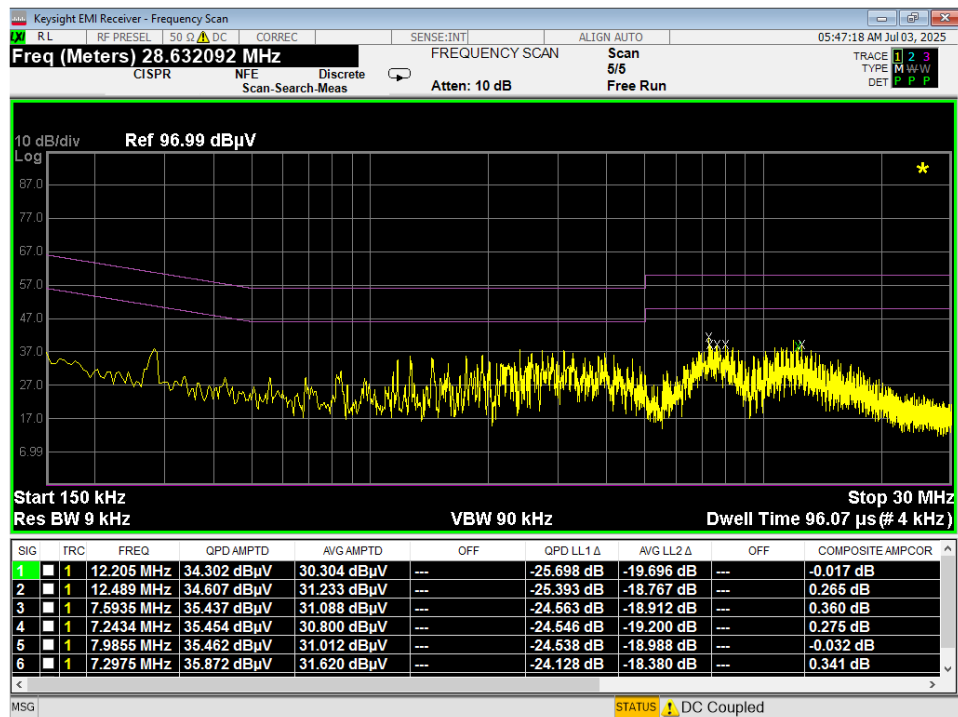


Figure 7-12. Test Instrument & Measurement Setup

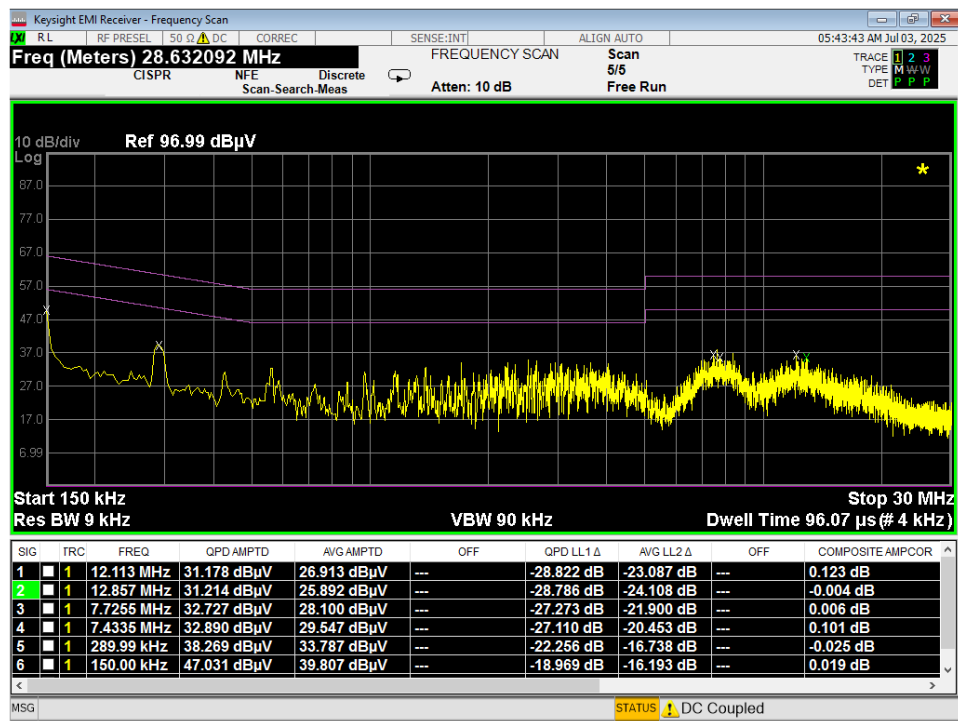
Test Notes

1. All modes of operation were investigated, and the worst-case emissions are reported using mid channel. The emissions found were not affected by the choice of channel used during testing.
2. The limit for an intentional radiator from 150kHz to 30MHz are specified in 15.207 and RSS-Gen (8.8).
3. $\text{Corr. (dB)} = \text{Cable loss (dB)} + \text{LISN insertion factor (dB)}$
4. $\text{QP/AV Level (dB}\mu\text{V)} = \text{QP/AV Analyzer/Receiver Level (dB}\mu\text{V)} + \text{Corr. (dB)}$
5. $\text{Margin (dB)} = \text{QP/AV Limit (dB}\mu\text{V)} - \text{QP/AV Level (dB}\mu\text{V)}$
6. Traces shown in plot are made using a peak detector.
7. Deviations to the Specifications: None.

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Plot 7-97. Line-Conducted Test Plot (L1) – ANT1



Plot 7-98. Line-Conducted Test Plot (N) – ANT1

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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung Portable Tablet FCC ID: A3LSMX730, IC:649E-SMX730** is in compliance with Part 15 Subpart C (15.247) of the FCC Rules and RSS-247 of the ISED Canada Rules. The data referenced from FCC ID: A3LSMX736B (Model SM-X736B) included in this report have been reviewed and are deemed acceptable to support the compliance of **FCC ID: A3LSMX730, IC: 649E-SMX730**.

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9.0 APPENDIX A – DATA REFERENCING RESULTS

Overview

The spot-check data presented in this section was measured on the variant model following the guidance of the FCC's Data Referencing guidance in KDB 484596 D01 v03. Each spot-check test on the EUT was performed using the same procedure and setting that were used to perform the test on the corresponding reference device. For the worst-case RSE data, the measurement is determined by an actual emission and not by noise floor.

All test cases were performed to verify the variant EUT is still in compliance with the spot-checked results to the reference device and was performed using the guidance of ANSI C63.10-2020.

Notes

1. Each spot check test on the EUT was performed using the same procedure and setting that were used to perform the test on the corresponding reference device.

Results

FCC Rules	Test Item	Test Case	Units	Limit	Reference Model: SM-X736B	Variant Model: SM-X730	Deviation (dB)	Max Deviation (dB)	Pass/Fail
15.247(b)(1)	Conducted Output Power	SISO Ant 1 Ch.39 1Mbps - avg	dBm	N/A	14.63	14.942	0.31	1	PASS
		SISO Ant 2 Ch.39 1Mbps - avg	dBm	N/A	14.41	15.24	0.83	1	PASS
15.209	Radiated Spurious Emissions	SISO Ant 1 Ch.0 1Mbps - avg	dBμV/m	53.98	11.38	11.51	0.13	3	PASS
	Radiated Band Edge Emissions	SISO Ant 1 Ch. 78 1Mbps - avg	dBμV/m	53.98	40.24	37.72	-2.52	3	PASS
	Radiated Spurious Emissions	SISO Ant 2 Ch.0 1Mbps - avg	dBμV/m	53.98	10.78	11.11	0.33	3	PASS
	Radiated Band Edge Emissions	SISO Ant 2 Ch. 78 1Mbps - avg	dBμV/m	53.98	37.32	35.98	-1.34	3	PASS

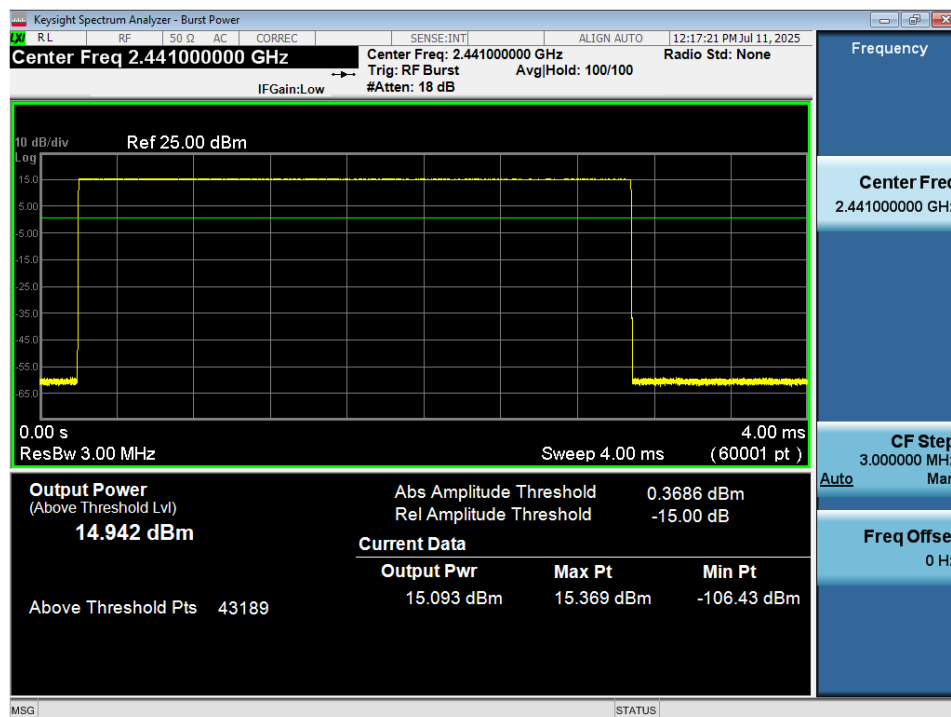
Table 9-1. Summary of Spot-checks

FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Conducted Spot-Checks – SM-X730

Frequency [MHz]	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
			[dBm]	[mW]
2441	1.0	39	14.94	31.205

Table 9-2. Conducted Output Power Measurements (Spot-check) – SISO Ant1

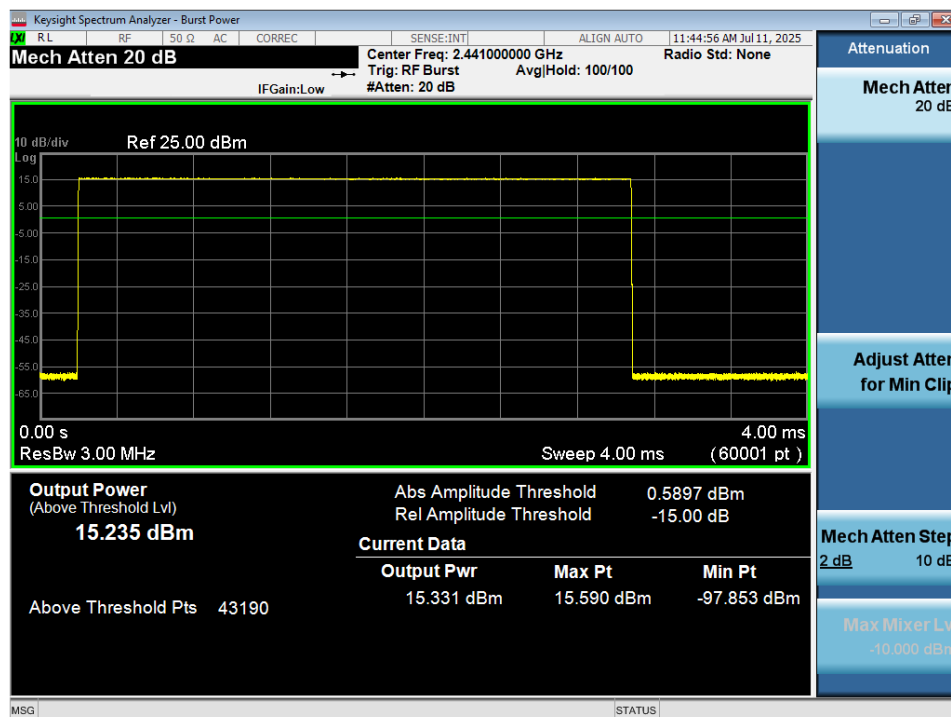


Plot 9-1. Conducted Peak Power Measurement (Spot-check) – SISO Ant1

FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Frequency [MHz]	Data Rate [Mbps]	Channel No.	Avg Conducted Power	
			[dBm]	[mW]
2441	1.0	39	15.24	33.384

Table 9-3. Conducted Output Power Measurements (Spot-check) – SISO Ant2



Plot 9-2. Conducted Peak Power Measurement (Spot-check) – SISO Ant1

FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Radiated Spot-Checks – SM-X730

Worst Case Mode: Bluetooth
Worst Case Data Rate: 1 Mbps
Measurement Distance: 3 Meters
Operating Frequency: 2402MHz
Channel: 37

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Duty Cycle Correction [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4804.00	Avg	H	-	-	-75.71	2.72	-22.50	11.51	53.98	-42.47

Table 9-4. RSE Measurements (Spot-check) – SISO ANT1

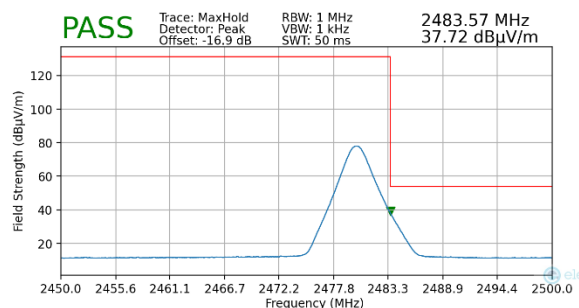
Worst Case Mode: Bluetooth
Worst Case Data Rate: 1 Mbps
Measurement Distance: 3 Meters
Operating Frequency: 2402MHz
Channel: 37

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Duty Cycle Correction [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4804.00	Avg	H	-	-	-76.11	2.72	-22.50	11.11	53.98	-42.87

Table 9-5. RSE Measurements (Spot-check) – SISO ANT2

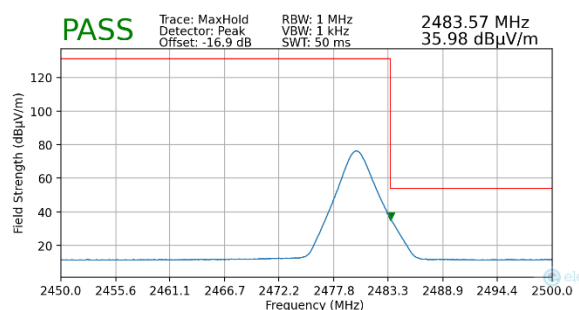
FCC ID: A3LSMX730 IC: 649E-SMX730	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Worst Case Mode:	Bluetooth
Worst Case Data Rate:	1 Mbps
Measurement Distance:	3 Meters
Operating Frequency:	2480MHz
Channel:	78



Plot 9-3. Radiated Restricted Upper Band Edge Measurement (Average) (Spot-check) – SISO ANT1

Worst Case Mode:	Bluetooth
Worst Case Data Rate:	1 Mbps
Measurement Distance:	3 Meters
Operating Frequency:	2480MHz
Channel:	78



Plot 9-4. Radiated Restricted Upper Band Edge Measurement (Average) (Spot-check) – SISO ANT2

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