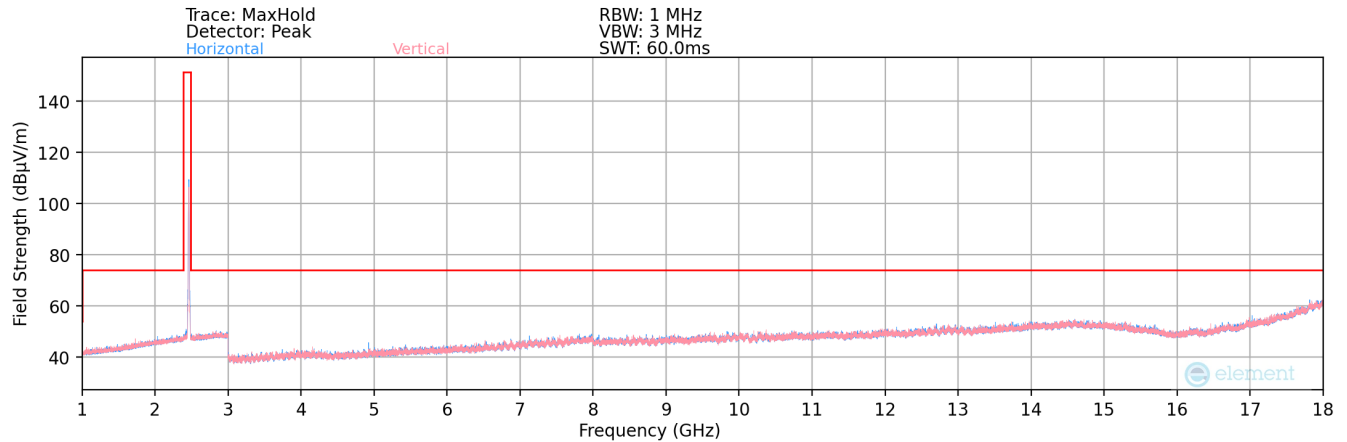
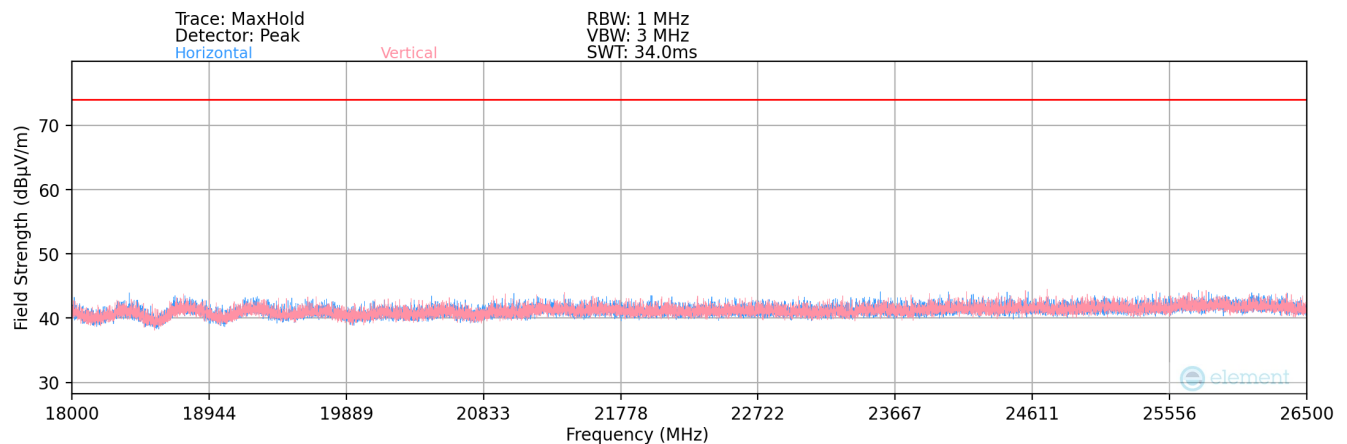




Plot 7-189. Radiated Spurious Plot above 1GHz SISO ANT1 (802.11b – Ch. 11)



Plot 7-190. Radiated Spurious Plot above 18GHz SISO ANT1

FCC ID: A3LSMX820	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2405140040-03-R1.A3L	Test Dates: 6/10/2024 - 7/30/2024	EUT Type: Portable Tablet	Page 131 of 154

Worst Case Mode: 802.11b
Worst Case Transfer Rate: 1 Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 2412MHz
Channel: 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 [dBμ V/m]	Margin [dB]
4824.00	Avg	H	100	109	-67.69	0.87	40.18	53.98	-13.79
4824.00	Peak	H	100	109	-59.84	0.87	48.03	73.98	-25.94
12060.00	Avg	H	-	-	-75.26	13.37	45.11	53.98	-8.86
12060.00	Peak	H	-	-	-65.58	13.37	54.79	73.98	-19.18

Table 7-15. Radiated Measurements SISO ANT1

Worst Case Mode: 802.11b
Worst Case Transfer Rate: 1 Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 2437MHz
Channel: 6

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμ V/m]	Margin [dB]
4874.00	Avg	H	102	112	-67.34	0.89	40.55	53.98	-13.43
4874.00	Peak	H	102	112	-59.56	0.89	48.33	73.98	-25.65
7311.00	Avg	H	-	-	-75.72	6.35	37.63	53.98	-16.35
7311.00	Peak	H	-	-	-63.27	6.35	50.08	73.98	-23.90
12185.00	Avg	H	-	-	-75.65	12.79	44.14	53.98	-9.84
12185.00	Peak	H	-	-	-65.22	12.79	54.57	73.98	-19.41

Table 7-16. Radiated Measurements SISO ANT1

FCC ID: A3LSMX820	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2405140040-03-R1.A3L	Test Dates: 6/10/2024 - 7/30/2024	EUT Type: Portable Tablet	Page 132 of 154

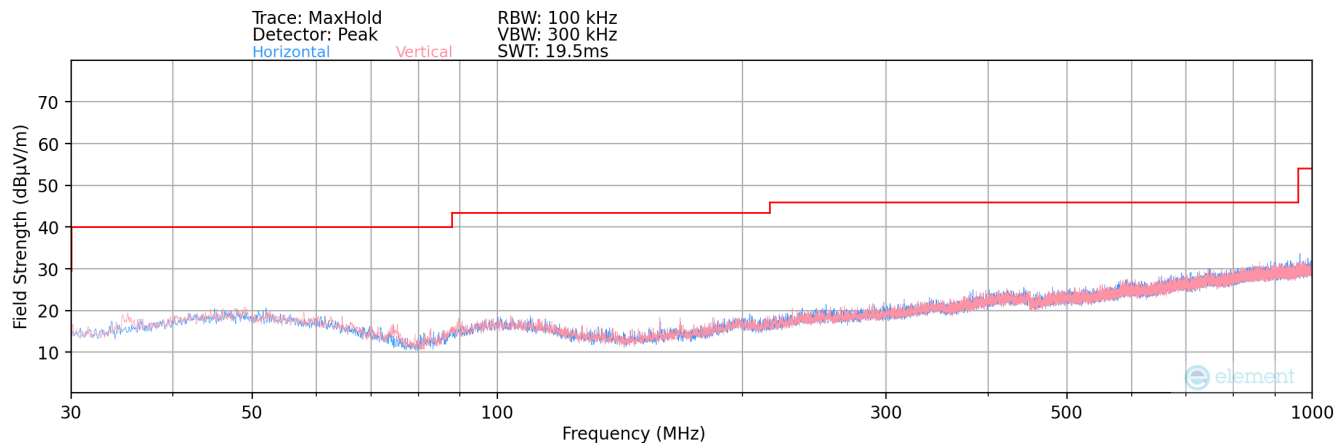
Worst Case Mode: 802.11b
Worst Case Transfer Rate: 1 Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 2462MHz
Channel: 11

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμ V/m]	Margin [dB]
4924.00	Avg	H	105	114	-66.35	1.57	42.22	53.98	-11.76
4924.00	Peak	H	105	114	-58.63	1.57	49.94	73.98	-24.04
7386.00	Avg	H	-	-	-75.28	7.06	38.78	53.98	-15.20
7386.00	Peak	H	-	-	-63.41	7.06	50.65	73.98	-23.33
12310.00	Avg	H	-	-	-76.84	13.21	43.37	53.98	-10.61
12310.00	Peak	H	-	-	-65.75	13.21	54.46	73.98	-19.52

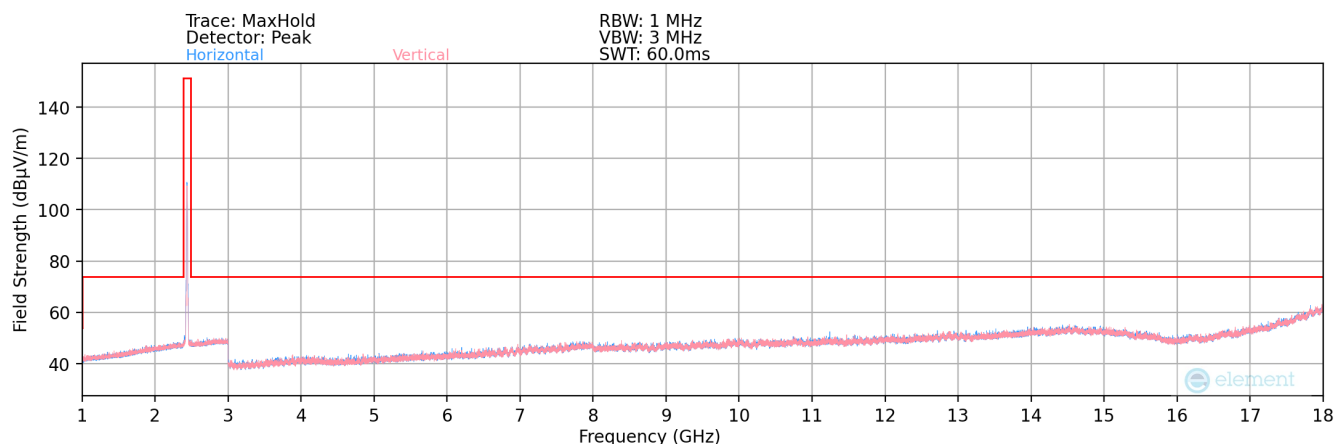
Table 7-17. Radiated Measurements SISO ANT1

FCC ID: A3LSMX820	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2405140040-03-R1.A3L	Test Dates: 6/10/2024 - 7/30/2024	EUT Type: Portable Tablet	Page 133 of 154

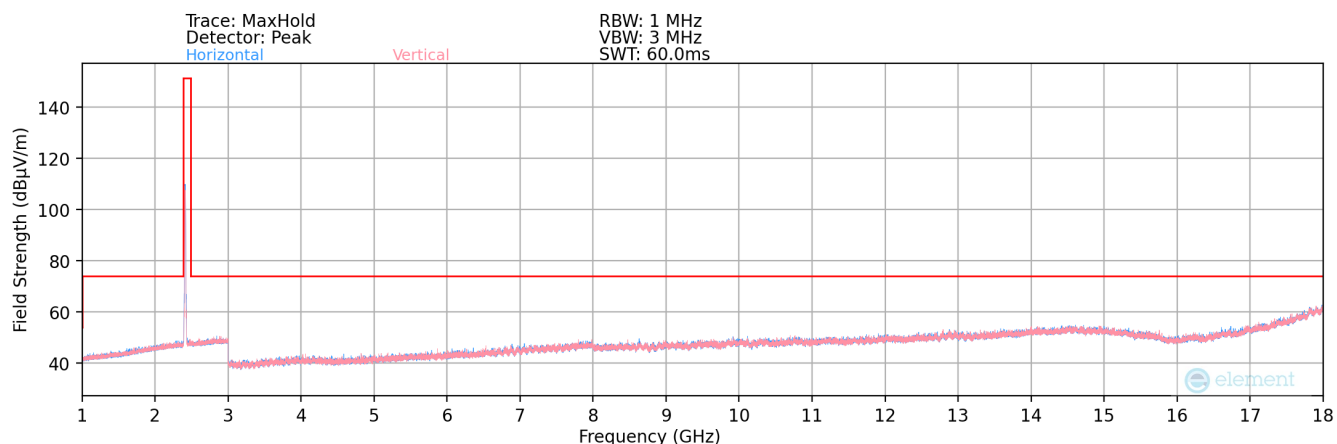
7.7.2 SISO Antenna-2 Radiated Spurious Emission Measurements



Plot 7-191. Radiated Spurious Plot below 1GHz SISO ANT2

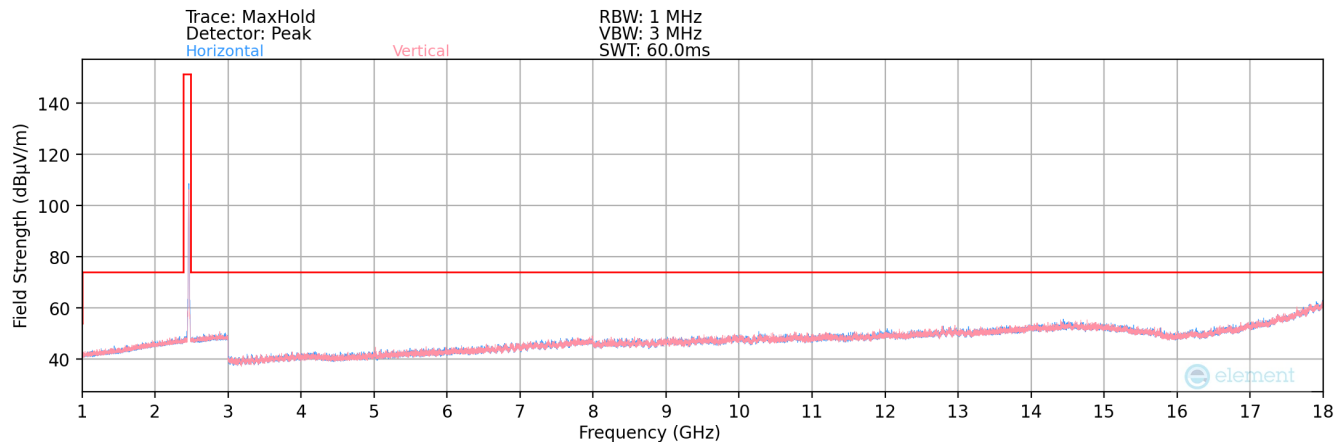


Plot 7-192. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11b – Ch. 1)

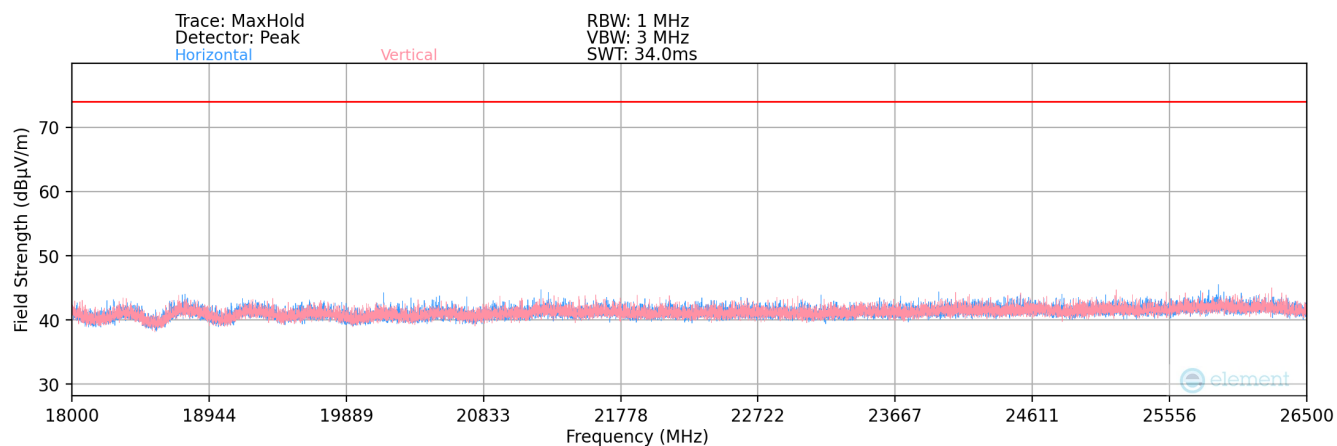


Plot 7-193. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11b – Ch. 6)

FCC ID: A3LSMX820	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2405140040-03-R1.A3L	Test Dates: 6/10/2024 - 7/30/2024	EUT Type: Portable Tablet	Page 134 of 154



Plot 7-194. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11b – Ch. 11)



Plot 7-195. Radiated Spurious Plot above 18GHz SISO ANT2

FCC ID: A3LSMX820	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2405140040-03-R1.A3L	Test Dates: 6/10/2024 - 7/30/2024	EUT Type: Portable Tablet	Page 135 of 154

Worst Case Mode: 802.11b
Worst Case Transfer Rate: 1 Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 2412MHz
Channel: 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 [dBμ V/m]	Margin [dB]
4824.00	Avg	H	101	108	-68.53	0.87	39.34	53.98	-14.63
4824.00	Peak	H	101	108	-58.38	0.87	49.49	73.98	-24.48
12060.00	Avg	H	-	-	-75.13	13.37	45.24	53.98	-8.73
12060.00	Peak	H	-	-	-65.41	13.37	54.96	73.98	-19.01

Table 7-18. Radiated Measurements SISO ANT2

Worst Case Mode: 802.11b
Worst Case Transfer Rate: 1 Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 2437MHz
Channel: 6

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμ V/m]	Margin [dB]
4874.00	Avg	H	103	110	-70.24	0.89	37.65	53.98	-16.33
4874.00	Peak	H	103	110	-59.79	0.89	48.10	73.98	-25.88
7311.00	Avg	H	-	-	-75.11	6.35	38.24	53.98	-15.74
7311.00	Peak	H	-	-	-63.07	6.35	50.28	73.98	-23.70
12185.00	Avg	H	-	-	-75.71	12.79	44.08	53.98	-9.90
12185.00	Peak	H	-	-	-65.13	12.79	54.66	73.98	-19.32

Table 7-19. Radiated Measurements SISO ANT2

FCC ID: A3LSMX820	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2405140040-03-R1.A3L	Test Dates: 6/10/2024 - 7/30/2024	EUT Type: Portable Tablet	Page 136 of 154



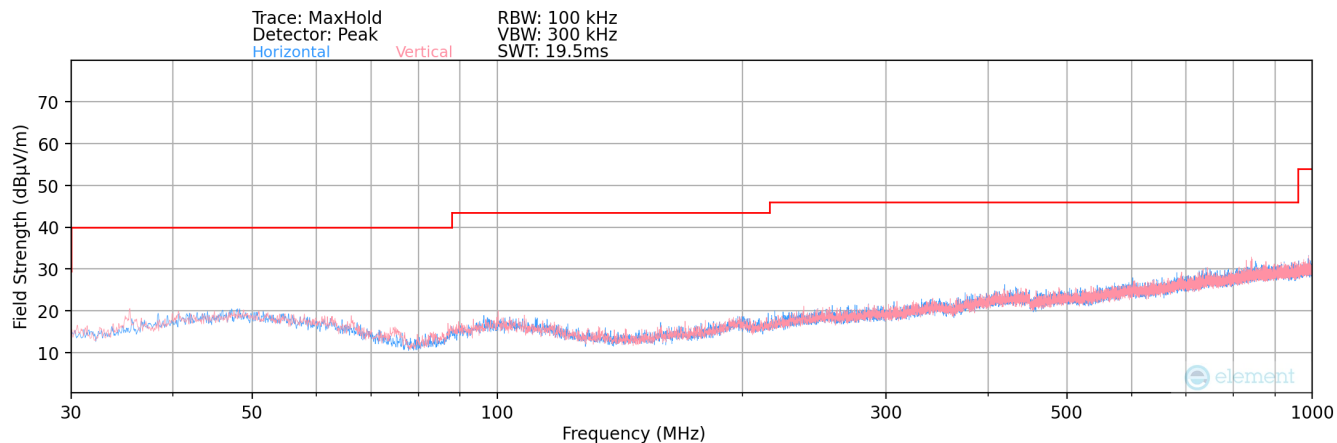
Worst Case Mode: 802.11b
Worst Case Transfer Rate: 1 Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 2462MHz
Channel: 11

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]
4924.00	Avg	H	104	107	-68.24	1.57	40.33	53.98	-13.65
4924.00	Peak	H	104	107	-58.84	1.57	49.73	73.98	-24.25
7386.00	Avg	H	-	-	-75.03	7.06	39.03	53.98	-14.95
7386.00	Peak	H	-	-	-63.47	7.06	50.59	73.98	-23.39
12310.00	Avg	H	-	-	-76.51	13.21	43.70	53.98	-10.28
12310.00	Peak	H	-	-	-65.84	13.21	54.37	73.98	-19.61

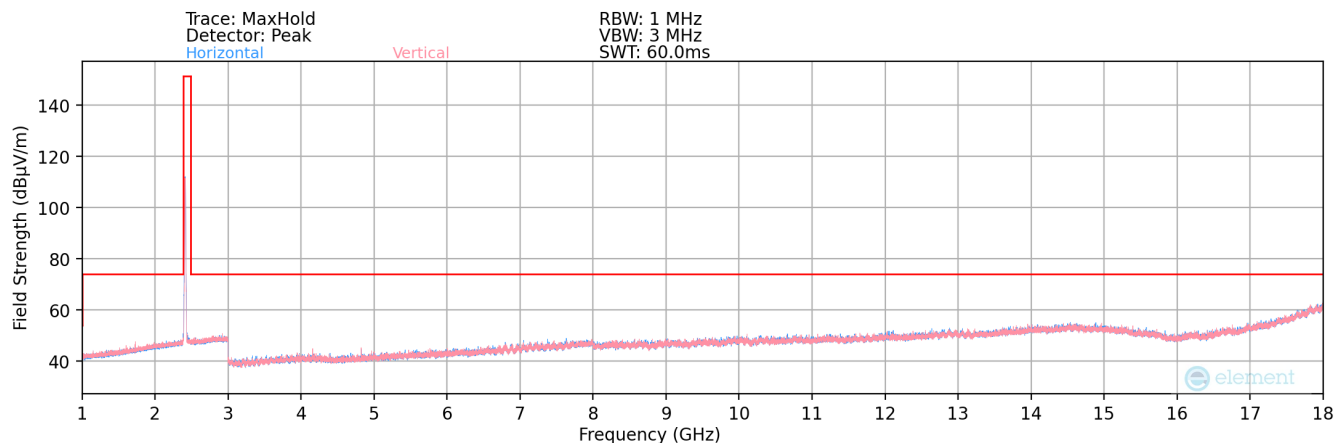
Table 7-20. Radiated Measurements SISO ANT2

FCC ID: A3LSMX820	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2405140040-03-R1.A3L	Test Dates: 6/10/2024 - 7/30/2024	EUT Type: Portable Tablet	Page 137 of 154

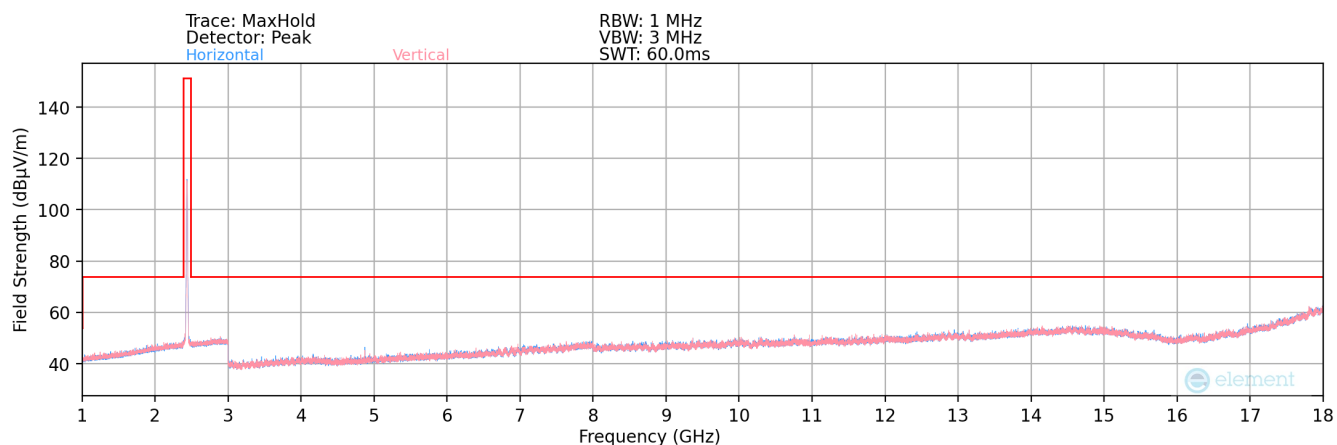
7.7.3 MIMO Radiated Spurious Emission Measurements



Plot 7-196. Radiated Spurious Plot below 1GHz MIMO

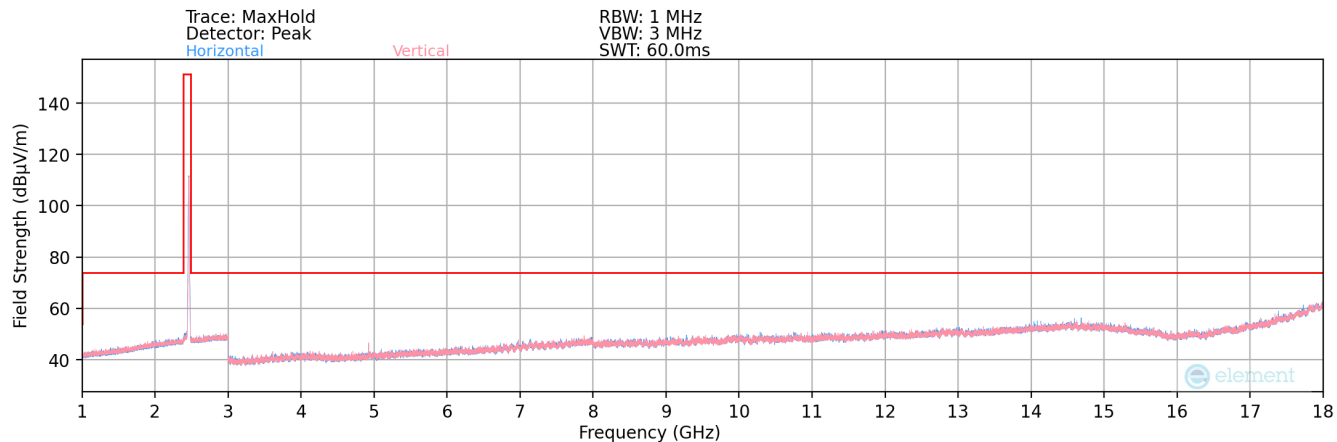


Plot 7-197. Radiated Spurious Plot above 1GHz MIMO (802.11b – Ch. 1)

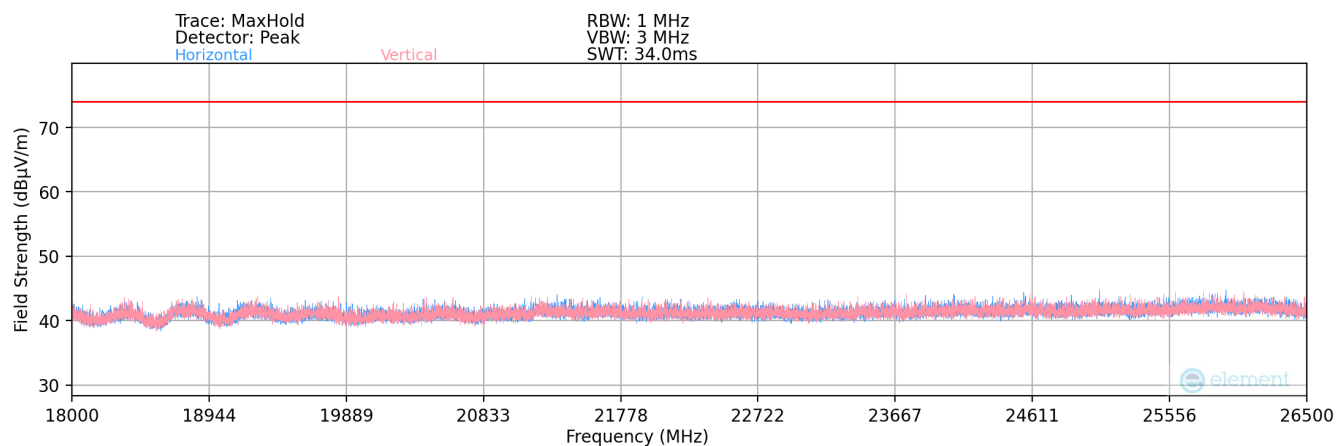


Plot 7-198. Radiated Spurious Plot above 1GHz MIMO (802.11b – Ch. 6)

FCC ID: A3LSMX820	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2405140040-03-R1.A3L	Test Dates: 6/10/2024 - 7/30/2024	EUT Type: Portable Tablet	Page 138 of 154



Plot 7-199. Radiated Spurious Plot above 1GHz MIMO (802.11b – Ch. 11)



Plot 7-200. Radiated Spurious Plot above 18GHz MIMO

FCC ID: A3LSMX820	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2405140040-03-R1.A3L	Test Dates: 6/10/2024 - 7/30/2024	EUT Type: Portable Tablet	Page 139 of 154



Worst Case Mode: 802.11b
Worst Case Transfer Rate: 1 Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 2412MHz
Channel: 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 [dBμ V/m]	Margin [dB]
4824.00	Avg	H	104	111	-66.15	0.87	41.72	53.98	-12.25
4824.00	Peak	H	104	111	-60.38	0.87	47.49	73.98	-26.48
12060.00	Avg	H	-	-	-75.12	13.37	45.25	53.98	-8.72
12060.00	Peak	H	-	-	-65.61	13.37	54.76	73.98	-19.21

Table 7-21. Radiated Measurements MIMO

Worst Case Mode: 802.11b
Worst Case Transfer Rate: 1 Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 2437MHz
Channel: 6

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμ V/m]	Margin [dB]
4874.00	Avg	H	101	112	-65.85	0.89	42.04	53.98	-11.94
4874.00	Peak	H	101	112	-59.81	0.89	48.08	73.98	-25.90
7311.00	Avg	H	-	-	-75.87	6.35	37.48	53.98	-16.50
7311.00	Peak	H	-	-	-63.64	6.35	49.71	73.98	-24.27
12185.00	Avg	H	-	-	-75.88	12.79	43.91	53.98	-10.07
12185.00	Peak	H	-	-	-65.08	12.79	54.71	73.98	-19.27

Table 7-22. Radiated Measurements MIMO

FCC ID: A3LSMX820	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2405140040-03-R1.A3L	Test Dates: 6/10/2024 - 7/30/2024	EUT Type: Portable Tablet	Page 140 of 154

Worst Case Mode: 802.11b
 Worst Case Transfer Rate: 1 Mbps
 Distance of Measurements: 3 Meters
 Operating Frequency: 2462MHz
 Channel: 11

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμ V/m]	Margin [dB]
4924.00	Avg	H	102	110	-63.86	1.57	44.71	53.98	-9.27
4924.00	Peak	H	102	110	-59.17	1.57	49.40	73.98	-24.58
7386.00	Avg	H	-	-	-75.36	7.06	38.70	53.98	-15.28
7386.00	Peak	H	-	-	-63.75	7.06	50.31	73.98	-23.67
12310.00	Avg	H	-	-	-76.12	13.21	44.09	53.98	-9.89
12310.00	Peak	H	-	-	-65.48	13.21	54.73	73.98	-19.25

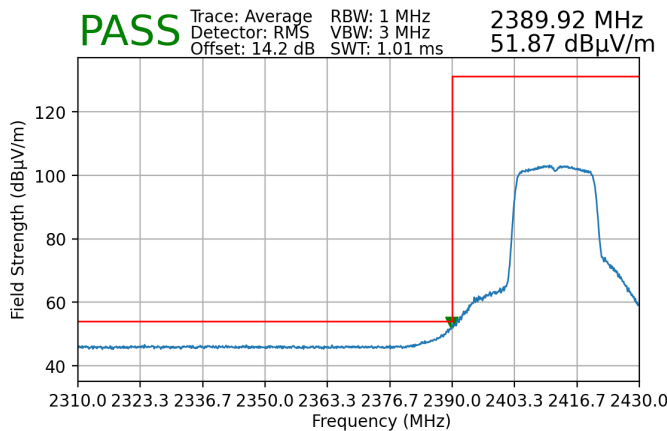
Table 7-23. Radiated Measurements MIMO

FCC ID: A3LSMX820	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2405140040-03-R1.A3L	Test Dates: 6/10/2024 - 7/30/2024	EUT Type: Portable Tablet	Page 141 of 154

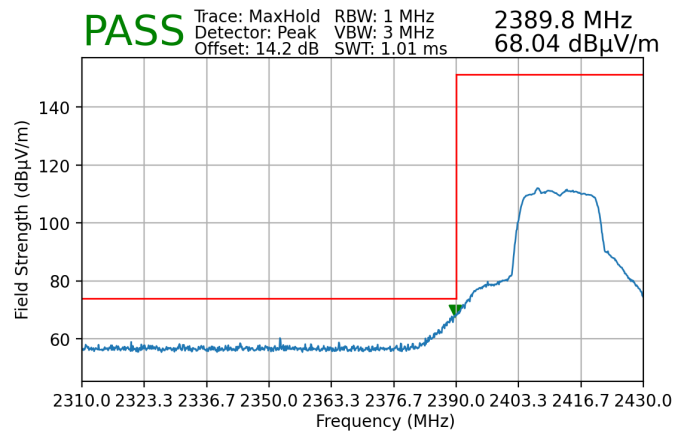
7.7.4 SISO Antenna-1 Radiated Restricted Band Edge Measurements

The radiated restricted band edge measurements are measured with an EMI test receiver connected to the receive antenna while the EUT is transmitting.

Worst Case Mode:	802.11g
Worst Case Transfer Rate:	6 Mbps
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	1

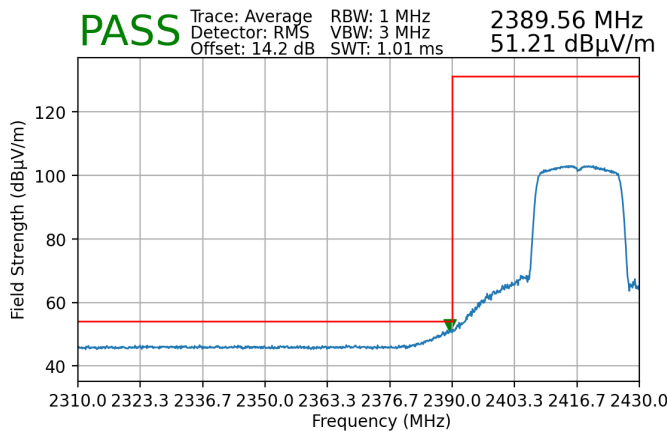


Plot 7-201. Radiated Restricted Lower Band Edge Measurement SISO ANT1 (Average)

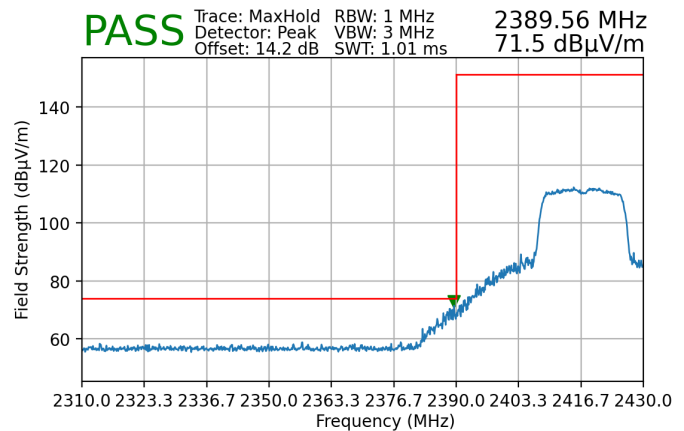


Plot 7-202. Radiated Restricted Lower Band Edge Measurement SISO ANT1 (Peak)

Worst Case Mode:	802.11n
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	2417MHz
Channel:	2



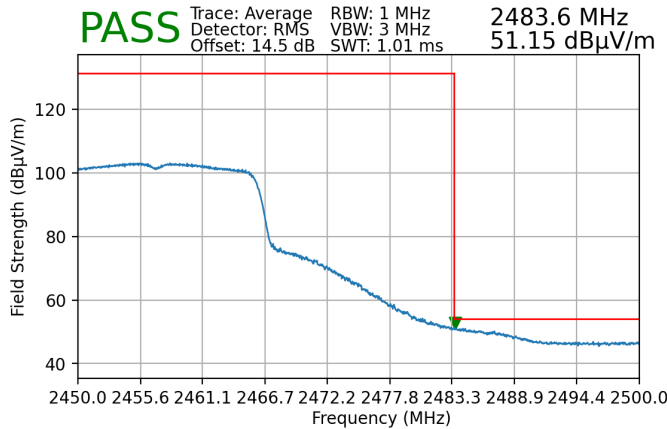
Plot 7-203. Radiated Restricted Upper Band Edge Measurement SISO ANT1 (Average)



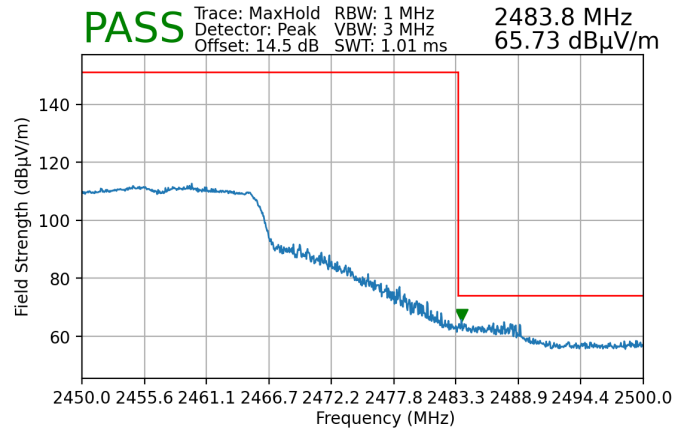
Plot 7-204. Radiated Restricted Upper Band Edge Measurement SISO ANT1 (Peak)

FCC ID: A3LSMX820	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2405140040-03-R1.A3L	Test Dates: 6/10/2024 - 7/30/2024	EUT Type: Portable Tablet	Page 142 of 154

Worst Case Mode: 802.11n
Worst Case Transfer Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 2457MHz
Channel: 10

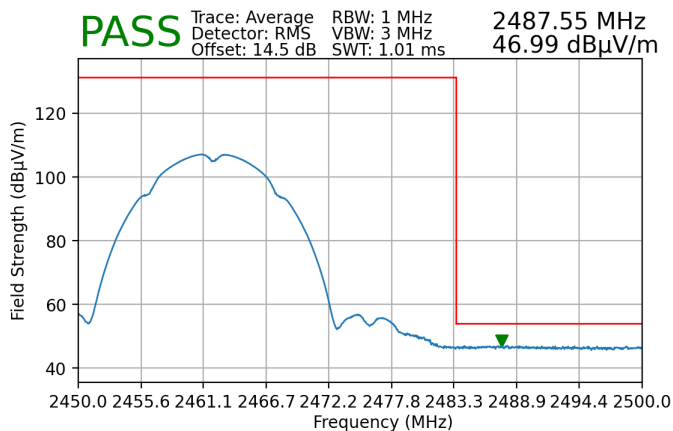


Plot 7-205. Radiated Restricted Lower Band Edge Measurement SISO ANT1 (Average)

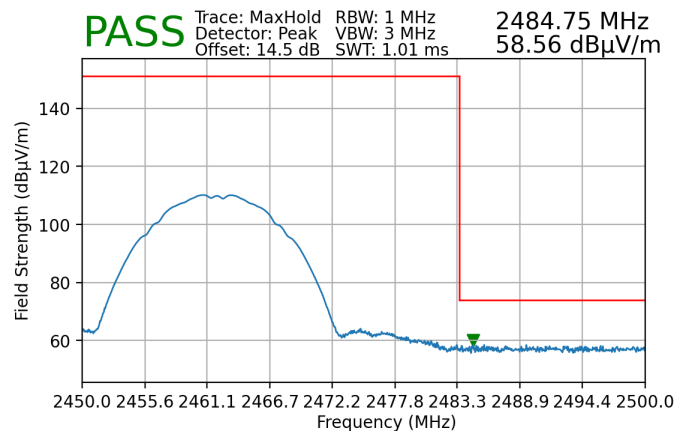


Plot 7-206. Radiated Restricted Lower Band Edge Measurement SISO ANT1 (Peak)

Worst Case Mode: 802.11b
Worst Case Transfer Rate: 1 Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 2462MHz
Channel: 11



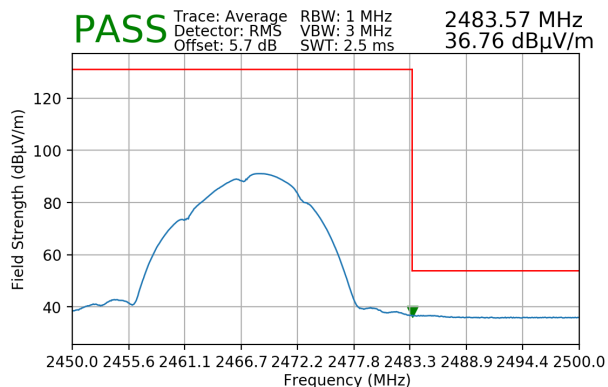
Plot 7-207. Radiated Restricted Upper Band Edge Measurement SISO ANT1 (Average)



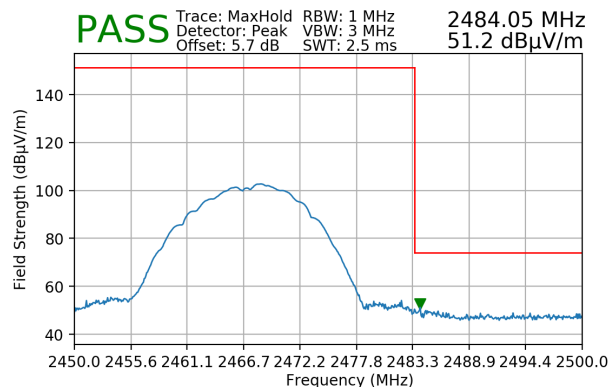
Plot 7-208. Radiated Restricted Upper Band Edge Measurement SISO ANT1 (Peak)

FCC ID: A3LSMX820	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2405140040-03-R1.A3L	Test Dates: 6/10/2024 - 7/30/2024	EUT Type: Portable Tablet	Page 143 of 154

Worst Case Mode: 802.11b
Worst Case Transfer Rate: 1 Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 2467MHz
Channel: 12

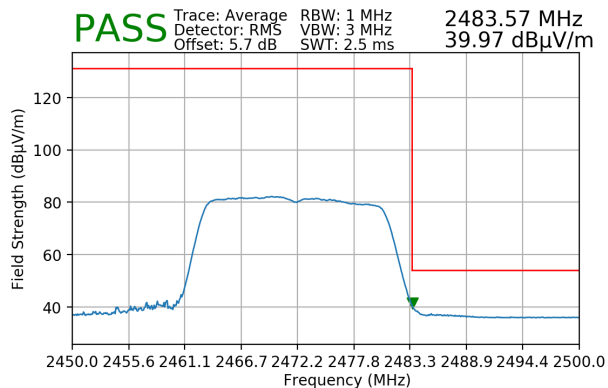


Plot 7-209. Radiated Restricted Upper Band Edge Measurement SISO ANT1 (Average)

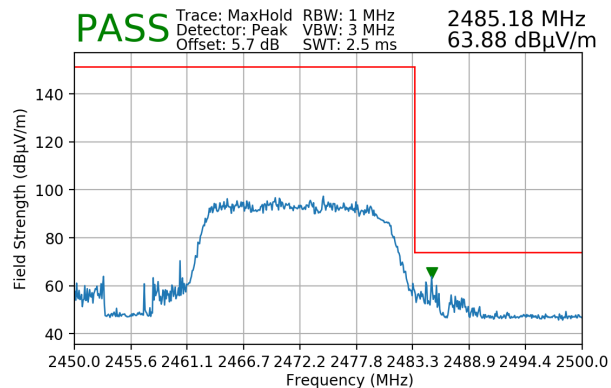


Plot 7-210. Radiated Restricted Upper Band Edge Measurement SISO ANT1 (Peak)

Worst Case Mode: 802.11n
Worst Case Transfer Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 2472MHz
Channel: 13



Plot 7-211. Radiated Restricted Upper Band Edge Measurement SISO ANT1 (Average)



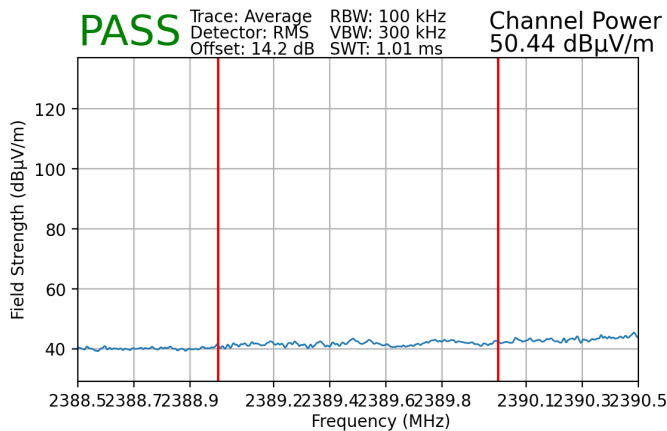
Plot 7-212. Radiated Restricted Upper Band Edge Measurement SISO ANT1 (Peak)

FCC ID: A3LSMX820	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2405140040-03-R1.A3L	Test Dates: 6/10/2024 - 7/30/2024	EUT Type: Portable Tablet	Page 144 of 154

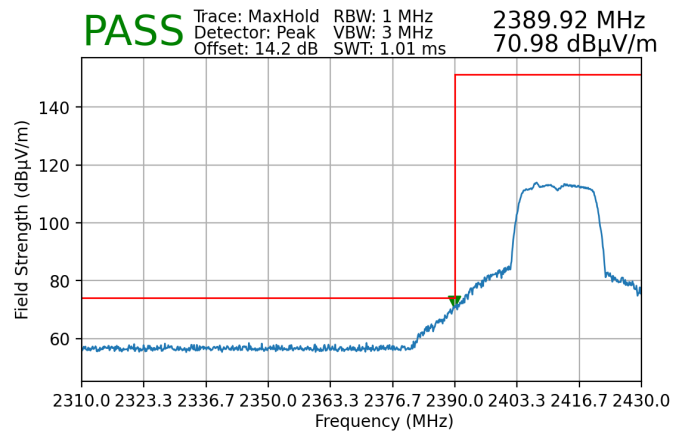
7.7.5 SISO Antenna-2 Radiated Restricted Band Edge Measurements

The radiated restricted band edge measurements are measured with an EMI test receiver connected to the receive antenna while the EUT is transmitting.

Worst Case Mode:	802.11g
Worst Case Transfer Rate:	6 Mbps
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	1

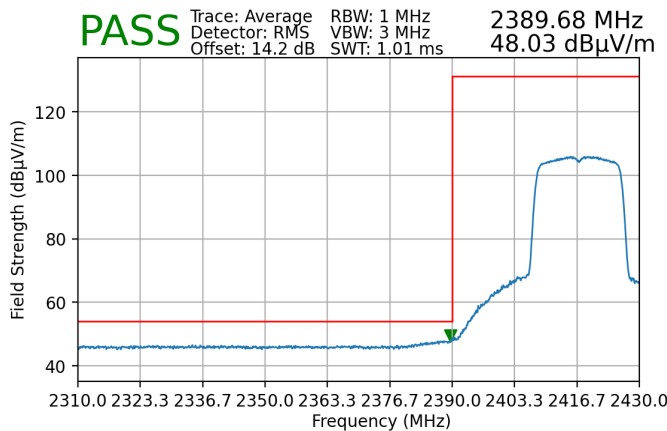


Plot 7-213. Radiated Restricted Lower Band Edge Measurement SISO ANT2 (Average)

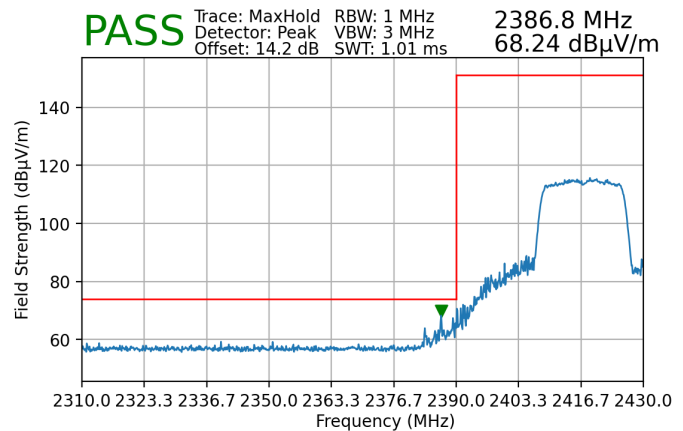


Plot 7-214. Radiated Restricted Lower Band Edge Measurement SISO ANT2 (Peak)

Worst Case Mode:	802.11n
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	2417MHz
Channel:	2



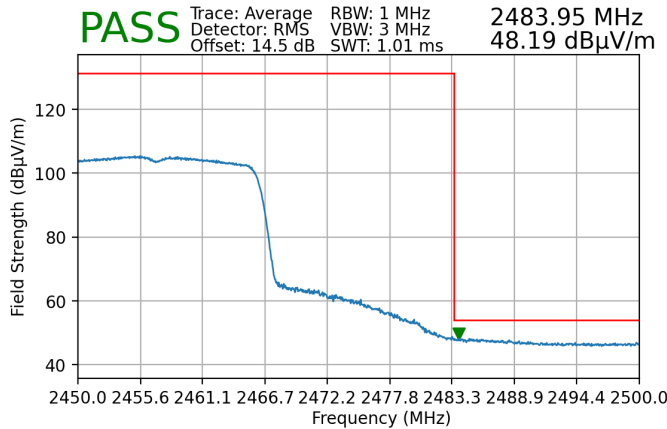
Plot 7-215. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Average)



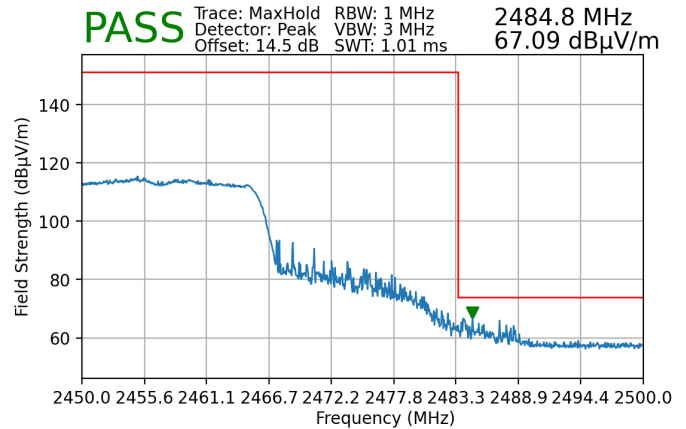
Plot 7-216. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Peak)

FCC ID: A3LSMX820	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N: 1M2405140040-03-R1.A3L	Test Dates: 6/10/2024 - 7/30/2024	EUT Type: Portable Tablet	Page 145 of 154

Worst Case Mode: 802.11n
Worst Case Transfer Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 2457MHz
Channel: 10

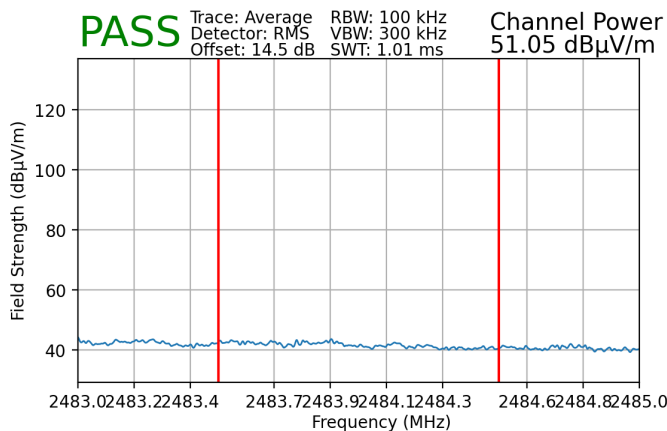


Plot 7-217. Radiated Restricted Lower Band Edge Measurement SISO ANT2 (Average)

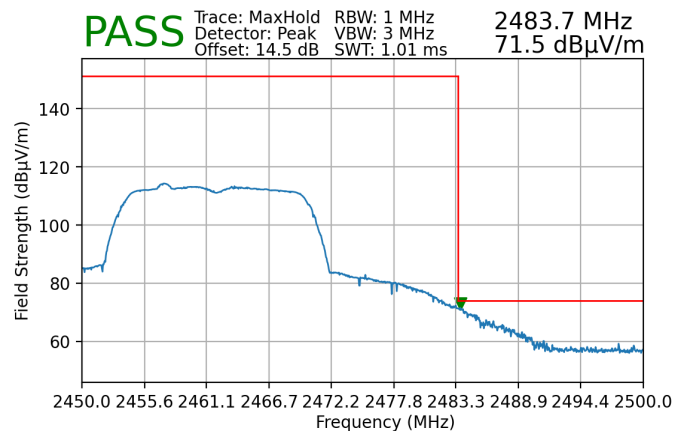


Plot 7-218. Radiated Restricted Lower Band Edge Measurement SISO ANT2 (Peak)

Worst Case Mode: 802.11g
Worst Case Transfer Rate: 6 Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 2462MHz
Channel: 11



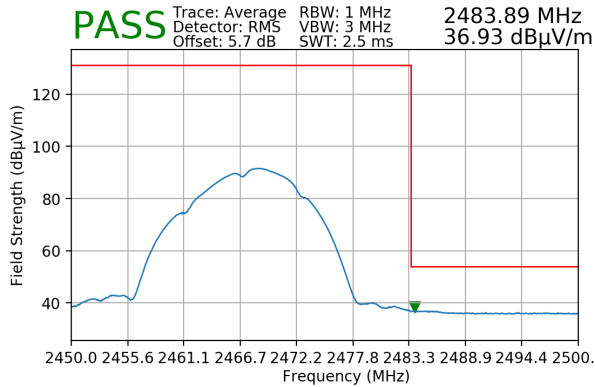
Plot 7-219. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Average)



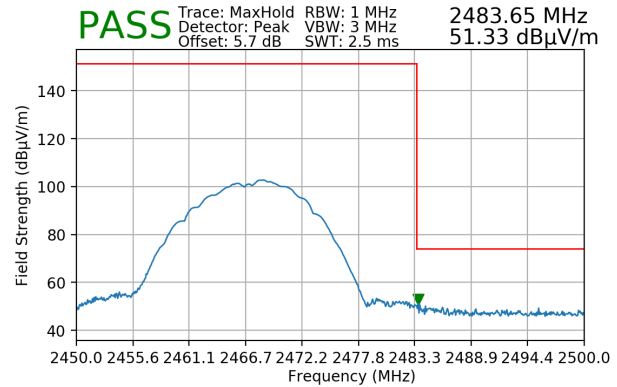
Plot 7-220. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Peak)

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Worst Case Mode: 802.11b
Worst Case Transfer Rate: 1Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 2467MHz
Channel: 12

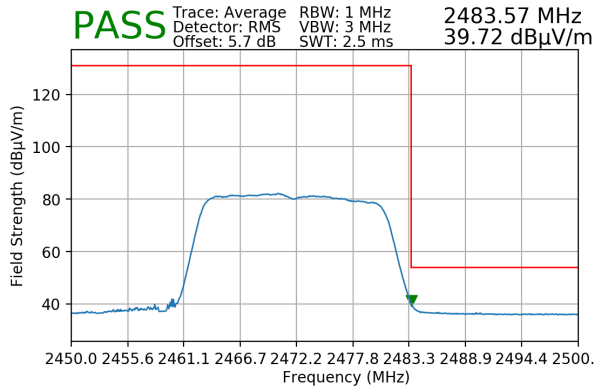


Plot 7-221. Radiated Restricted Lower Band Edge Measurement SISO ANT2 (Average)

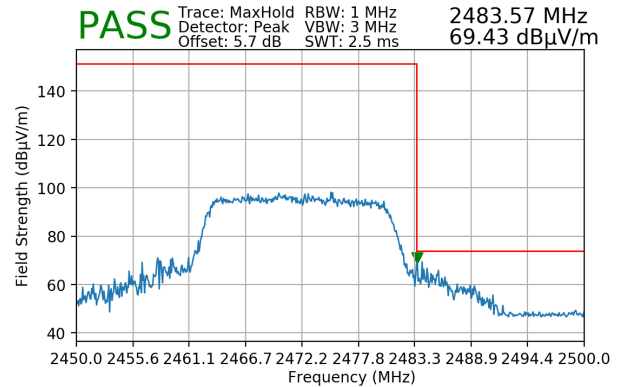


Plot 7-222. Radiated Restricted Lower Band Edge Measurement SISO ANT2 (Peak)

Worst Case Mode: 802.11n
Worst Case Transfer Rate: 6 Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 2472MHz
Channel: 13



Plot 7-223. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Average)



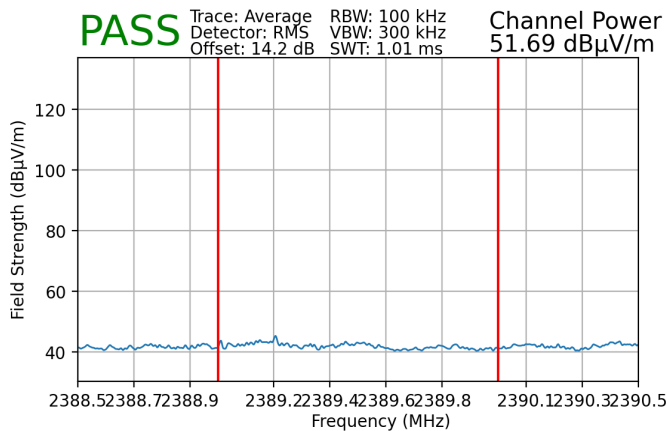
Plot 7-224. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Peak)

FCC ID: A3LSMX820	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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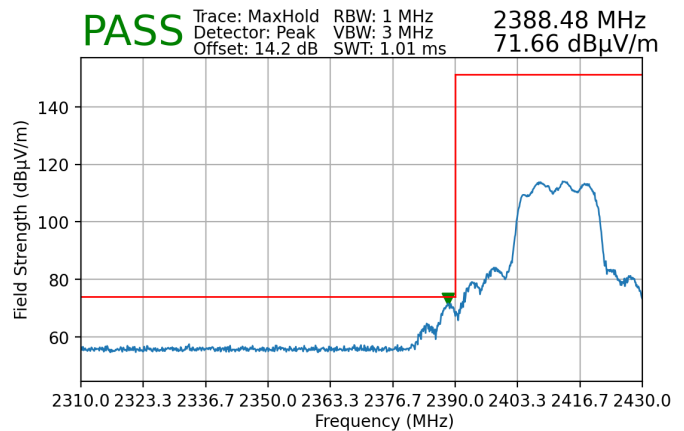
7.7.6 MIMO Radiated Restricted Band Edge Measurements

The radiated restricted band edge measurements are measured with an EMI test receiver connected to the receive antenna while the EUT is transmitting.

Worst Case Mode:	802.11g
Worst Case Transfer Rate:	6 Mbps
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	1

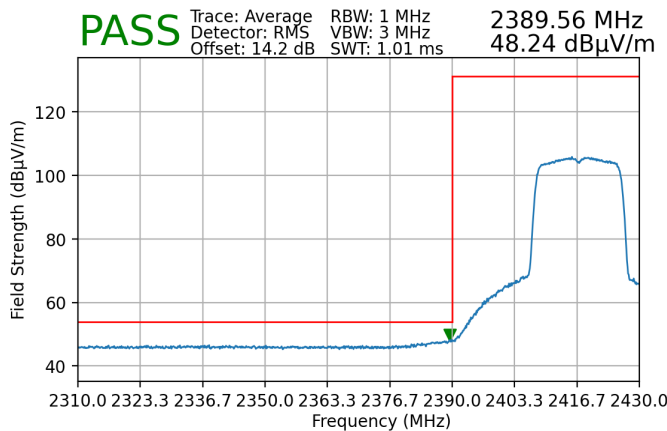


Plot 7-225. Radiated Restricted Lower Band Edge Measurement MIMO (Average)

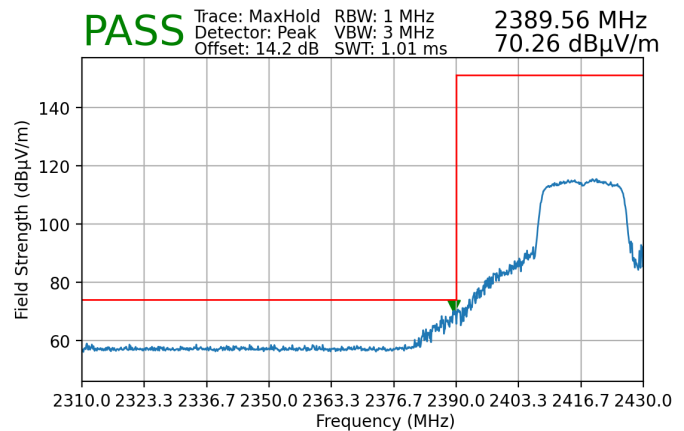


Plot 7-226. Radiated Restricted Lower Band Edge Measurement MIMO (Peak)

Worst Case Mode:	802.11n
Worst Case Transfer Rate:	MCS8
Distance of Measurements:	3 Meters
Operating Frequency:	2417MHz
Channel:	2



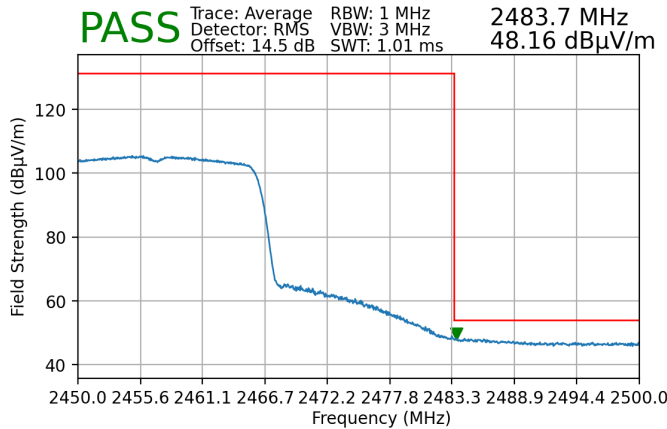
Plot 7-227. Radiated Restricted Upper Band Edge Measurement MIMO (Average)



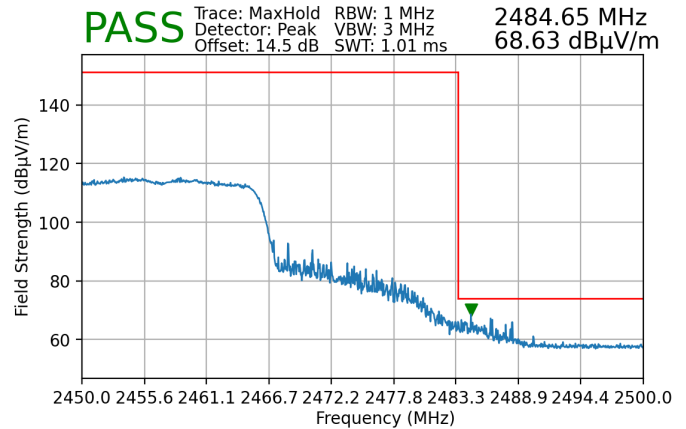
Plot 7-228. Radiated Restricted Upper Band Edge Measurement MIMO (Peak)

FCC ID: A3LSMX820	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Worst Case Mode: 802.11n
Worst Case Transfer Rate: MCS8
Distance of Measurements: 3 Meters
Operating Frequency: 2457MHz
Channel: 10

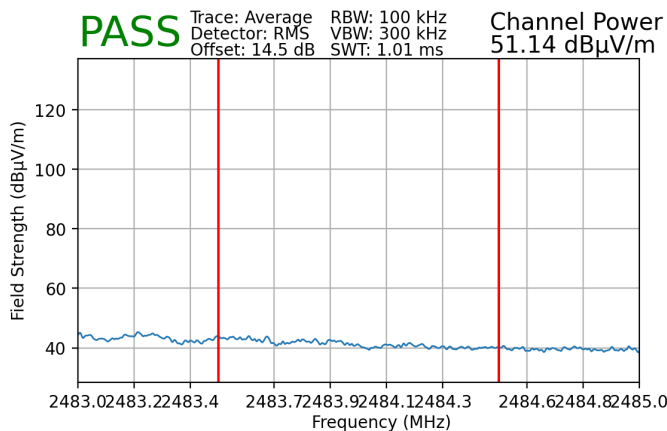


Plot 7-229. Radiated Restricted Lower Band Edge Measurement MIMO (Average)

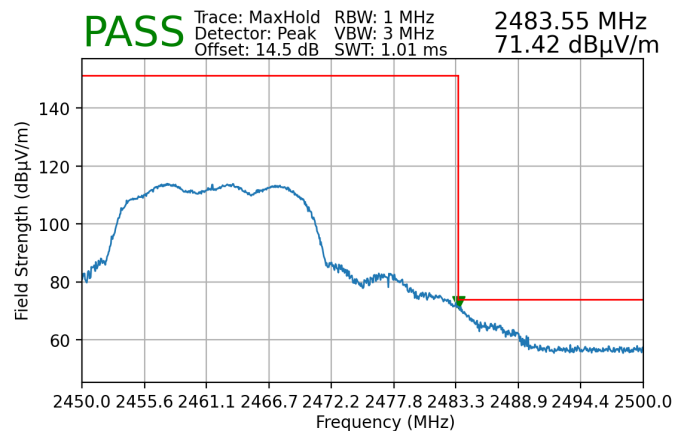


Plot 7-230. Radiated Restricted Lower Band Edge Measurement MIMO (Peak)

Worst Case Mode: 802.11g
Worst Case Transfer Rate: 6 Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 2462MHz
Channel: 11



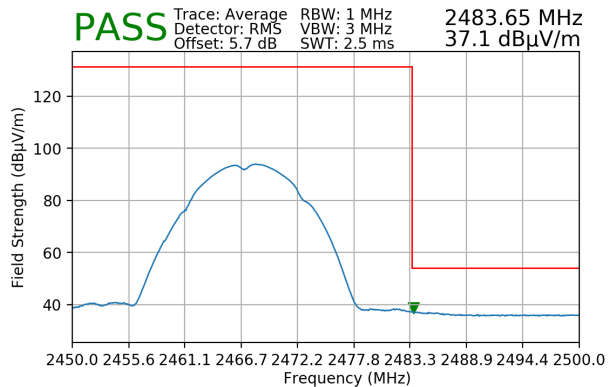
Plot 7-231. Radiated Restricted Upper Band Edge Measurement MIMO (Average)



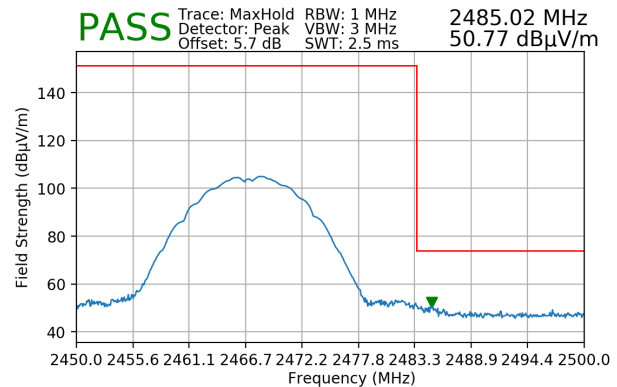
Plot 7-232. Radiated Restricted Upper Band Edge Measurement MIMO (Peak)

FCC ID: A3LSMX820	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Worst Case Mode:	802.11b
Worst Case Transfer Rate:	1 Mbps
Distance of Measurements:	3 Meters
Operating Frequency:	2467MHz
Channel:	12

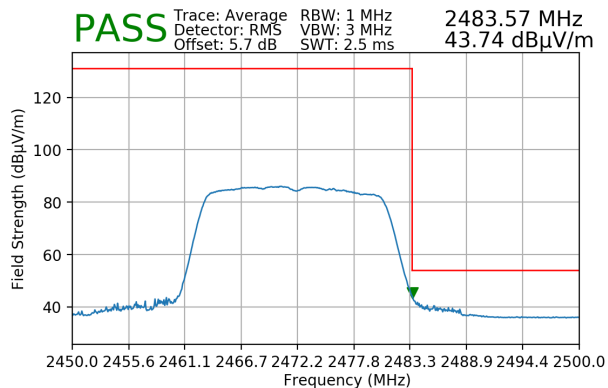


Plot 7-233. Radiated Restricted Lower Band Edge Measurement MIMO (Average)

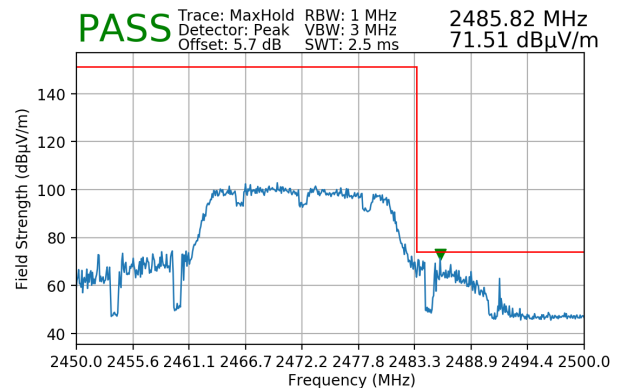


Plot 7-234. Radiated Restricted Lower Band Edge Measurement MIMO (Peak)

Worst Case Mode:	802.11n
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	2472MHz
Channel:	13



Plot 7-235. Radiated Restricted Upper Band Edge Measurement MIMO (Average)



Plot 7-236. Radiated Restricted Upper Band Edge Measurement MIMO (Peak)

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7.8 Line-Conducted Test Data

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 §15.207.

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 7-24. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

ANSI C63.10-2013, 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.

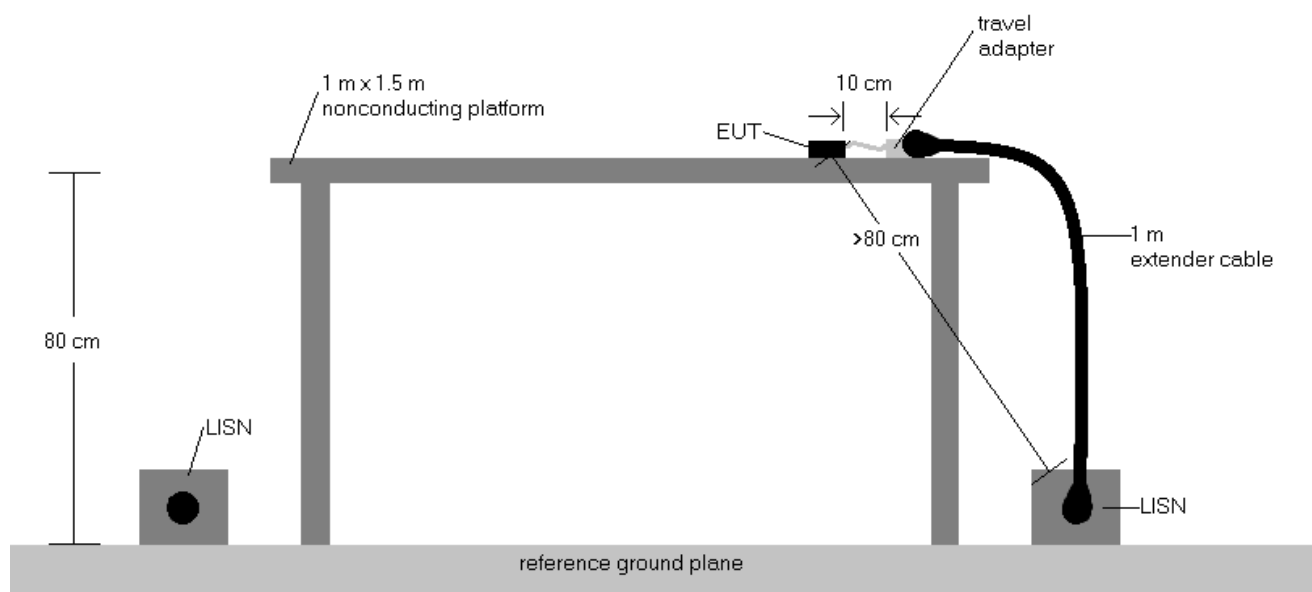
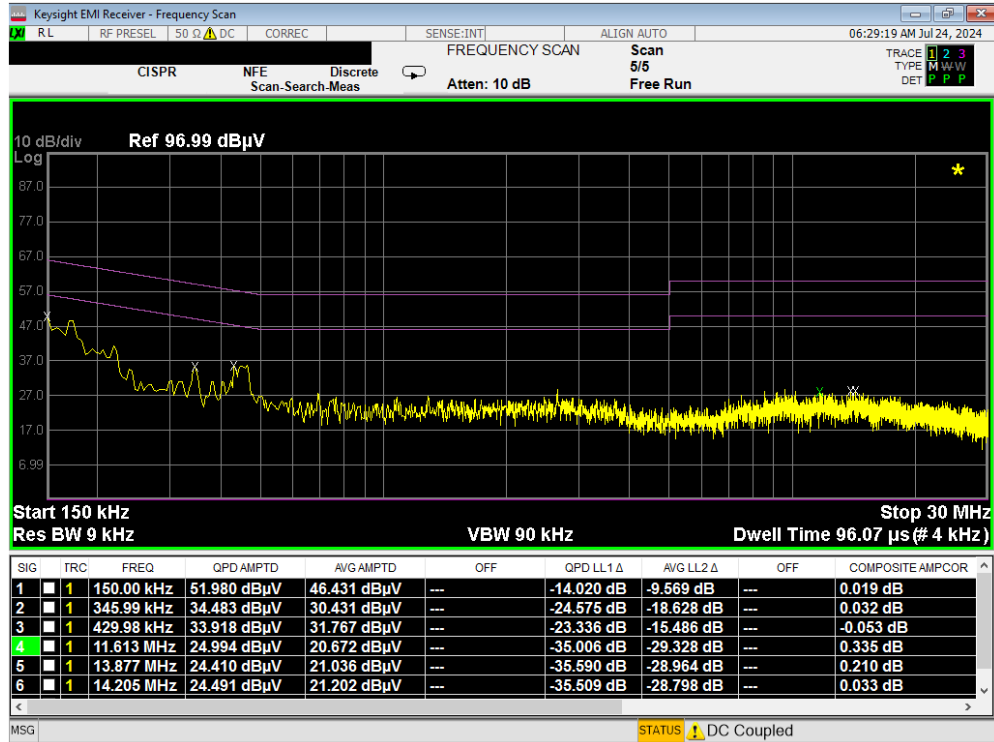


Figure 7-9. Test Instrument & Measurement Setup

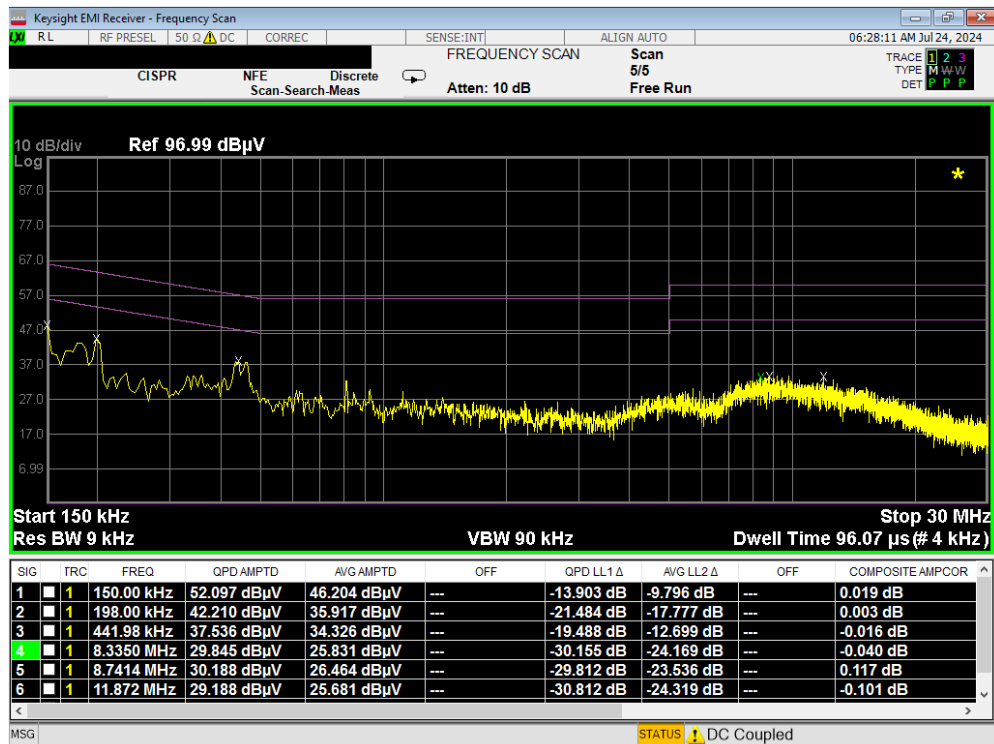
Test Notes

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 Part 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 7-237. Line Conducted Plot with 802.11b (L1)



Plot 7-238. Line Conducted Plot with 802.11b (N)

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8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Samsung Portable Tablet FCC ID: A3LSMX820** is in compliance with Part 15 Subpart C (15.247) of the FCC Rules.

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