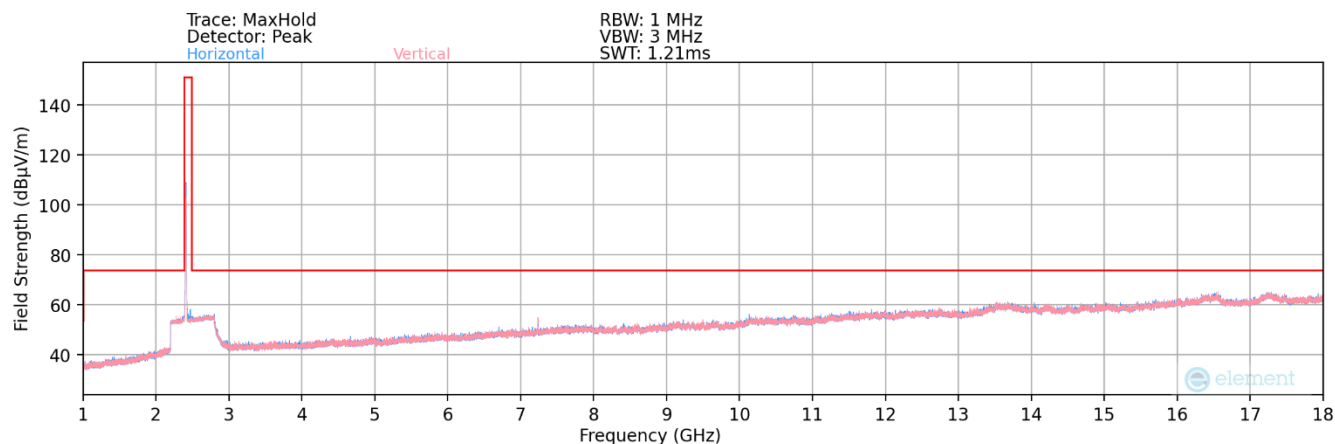
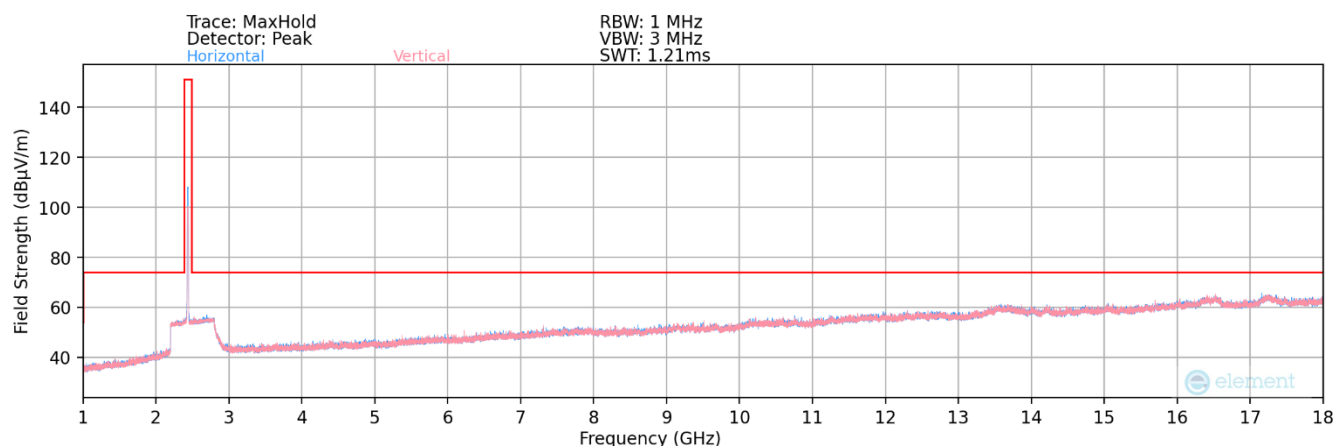


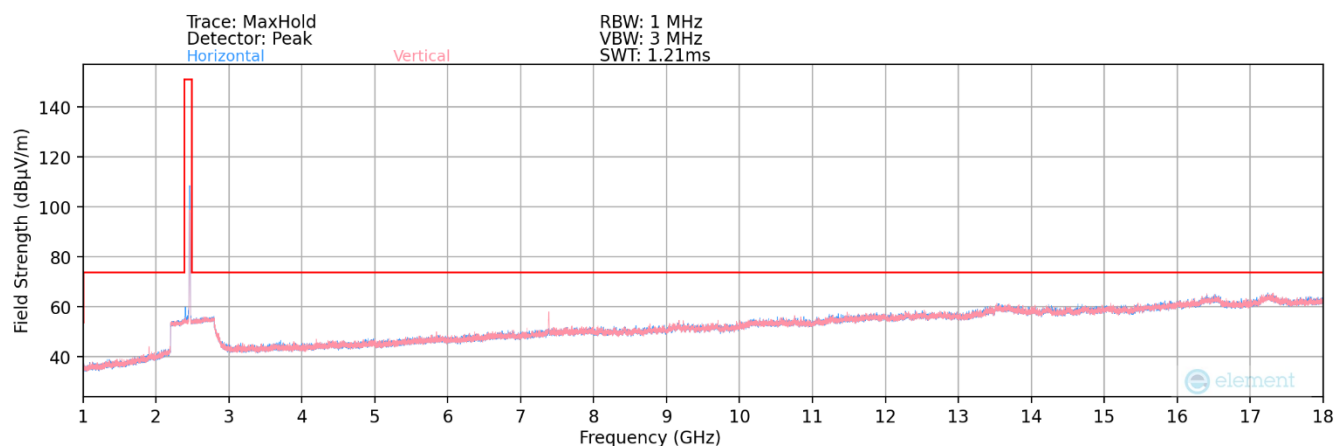
SISO ANT1 Radiated Spurious Emission Measurements



Plot 7-105. Radiated Spurious Plot above 1GHz SISO ANT1 (802.11b – Ch. 1)

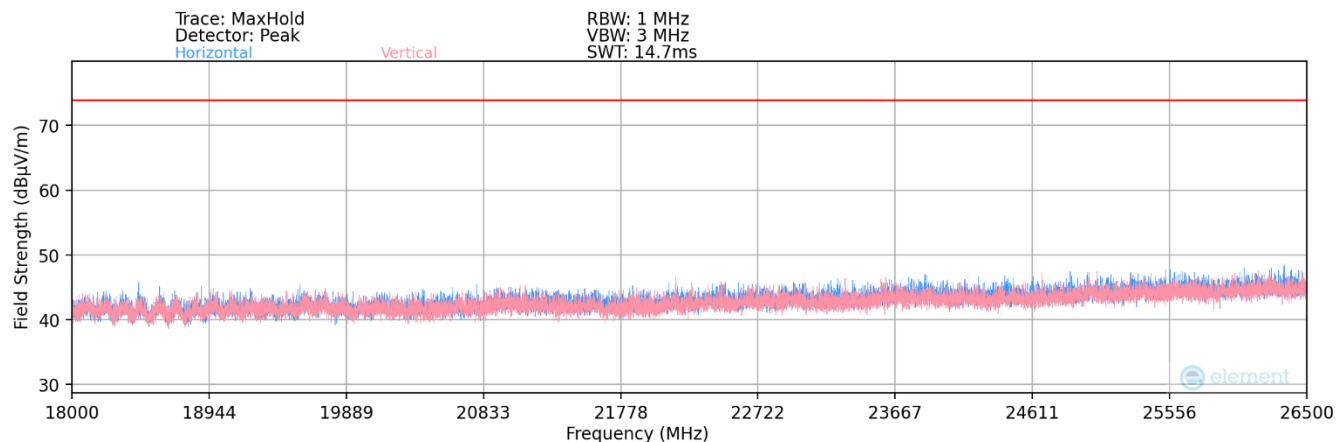


Plot 7-106. Radiated Spurious Plot above 1GHz SISO ANT1 (802.11b – Ch. 6)



Plot 7-107. Radiated Spurious Plot above 1GHz SISO ANT1 (802.11b – Ch. 11)

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-14-R2.A3L	Test Dates: 9/2/25 - 1/13/26	EUT Type: Portable Handset	Page 85 of 105



Plot 7-108. Radiated Spurious Plot above 18GHz SISO ANT1

Worst Case Mode: 802.11b

Worst Case Transfer Rate: 1Mbps

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 [dBμV/m]	Margin [dB]
4824.00	Avg	H	264	311	-70.76	2.60	38.84	53.98	-15.14
4824.00	Peak	H	264	311	-65.33	2.60	44.27	73.98	-29.71
12060.00	Avg	H	-	-	-80.39	12.87	39.48	53.98	-14.50
12060.00	Peak	H	-	-	-77.23	12.87	42.64	73.98	-31.34

Table 7-15. Radiated Measurements SISO ANT1

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-14-R2.A3L	Test Dates: 9/2/25 - 1/13/26	EUT Type: Portable Handset	Page 86 of 105

Worst Case Mode: 802.11b
 Worst Case Transfer Rate: 1Mbps
 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 [dBμV/m]	Margin [dB]
4874.00	Avg	H	354	247	-69.99	3.08	40.09	53.98	-13.89
4874.00	Peak	H	354	247	-65.81	3.08	44.27	73.98	-29.71
7311.00	Avg	H	386	293	-69.84	9.38	46.54	53.98	-7.44
7311.00	Peak	H	386	293	-63.95	9.38	52.43	73.98	-21.55
12185.00	Avg	H	-	-	-80.52	13.11	39.59	53.98	-14.38
12185.00	Peak	H	-	-	-70.55	13.11	49.56	73.98	-24.41

Table 7-16. Radiated Measurements SISO ANT1

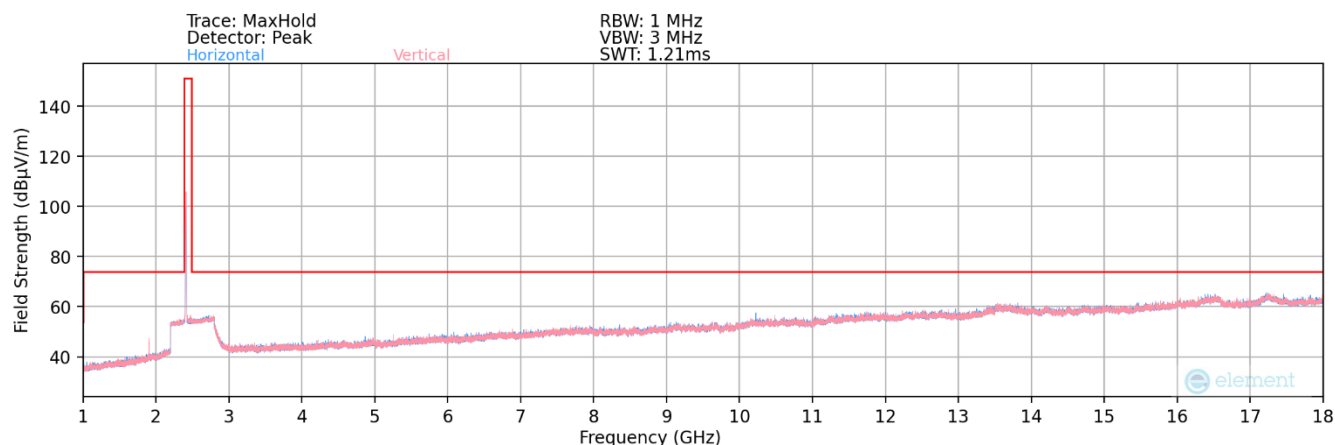
Worst Case Mode: 802.11b
 Worst Case Transfer Rate: 1Mbps
 Distance of Measurements: 3 Meters
 Operating Frequency: 2462MHz
 Channel: 11

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	228	26	-73.84	2.81	35.97	53.98	-18.01
4924.00	Peak	H	228	26	-68.50	2.81	41.31	73.98	-32.67
7386.00	Avg	H	260	294	-69.91	9.17	46.26	53.98	-7.72
7386.00	Peak	H	260	294	-63.66	9.17	52.51	73.98	-21.47
12310.00	Avg	H	-	-	-80.81	13.44	39.63	53.98	-14.35
12310.00	Peak	H	-	-	-70.22	13.44	50.22	73.98	-23.76

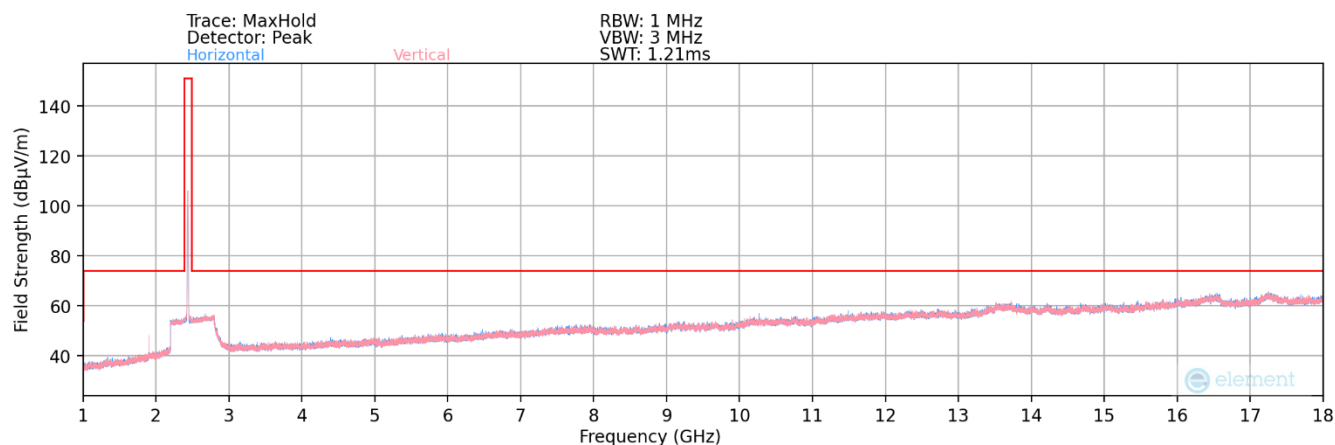
Table 7-17. Radiated Measurements SISO ANT1

FCC ID: A3LSMS942B	MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2508270084-14-R2.A3L	Test Dates: 9/2/25 - 1/13/26	EUT Type: Portable Handset		Page 87 of 105

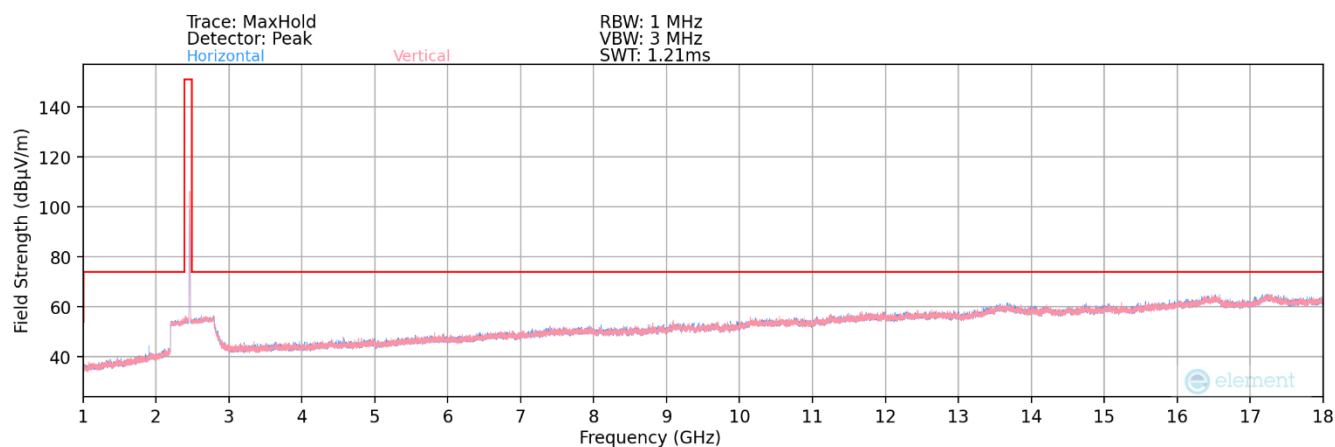
SISO ANT2 Radiated Spurious Emission Measurements



Plot 7-109. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11b – Ch. 1)

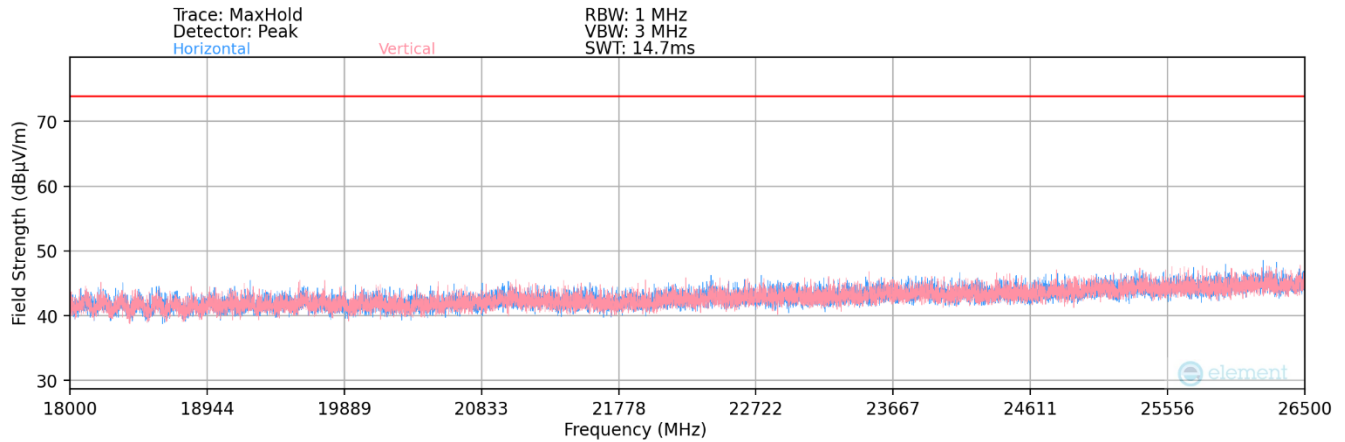


Plot 7-110. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11b – Ch. 6)



Plot 7-111. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11b – Ch. 11)

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-14-R2.A3L	Test Dates: 9/2/25 - 1/13/26	EUT Type: Portable Handset	Page 88 of 105



Plot 7-112. Radiated Spurious Plot above 18GHz SISO ANT2

Worst Case Mode: 802.11b

Worst Case Transfer Rate: 1Mbps

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 [dBμV/m]	Margin [dB]
4824.00	Avg	V	-	-	-80.49	9.22	35.73	53.98	-18.25
4824.00	Peak	V	-	-	-71.55	9.22	44.67	73.98	-29.31
12060.00	Avg	V	-	-	-83.47	22.57	46.10	53.98	-7.88
12060.00	Peak	V	-	-	-72.41	22.57	57.16	73.98	-16.82

Table 7-18. Radiated Measurements SISO ANT2

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-14-R2.A3L	Test Dates: 9/2/25 - 1/13/26	EUT Type: Portable Handset	Page 89 of 105

Worst Case Mode: 802.11b
 Worst Case Transfer Rate: 1Mbps
 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 [dBμV/m]	Margin [dB]
4874.00	Avg	V	-	-	-80.49	9.64	36.15	53.98	-17.83
4874.00	Peak	V	-	-	-70.05	9.64	46.59	73.98	-27.39
7311.00	Avg	V	-	-	-82.08	15.18	40.10	53.98	-13.88
7311.00	Peak	V	-	-	-71.68	15.18	50.50	73.98	-23.48
12185.00	Avg	V	-	-	-83.55	23.32	46.77	53.98	-7.21
12185.00	Peak	V	-	-	-73.00	23.32	57.32	73.98	-16.66

Table 7-19. Radiated Measurements SISO ANT2

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

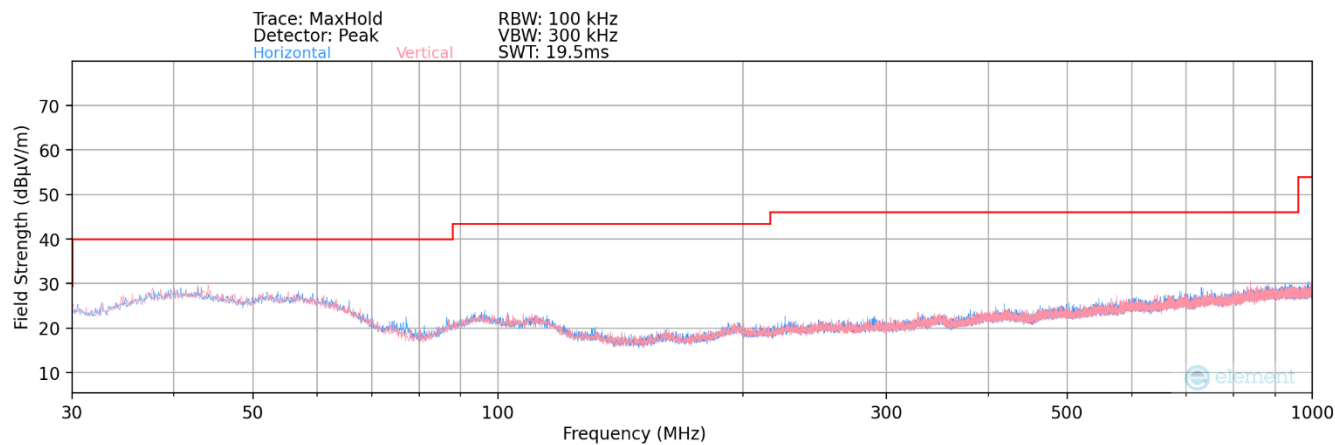
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4924.00	Avg	V	-	-	-80.60	9.79	36.19	53.98	-17.79
4924.00	Peak	V	-	-	-70.47	9.79	46.32	73.98	-27.66
7386.00	Avg	V	-	-	-82.15	15.41	40.26	53.98	-13.72
7386.00	Peak	V	-	-	-71.47	15.41	50.94	73.98	-23.04
12310.00	Avg	V	-	-	-83.30	23.76	47.46	53.98	-6.52
12310.00	Peak	V	-	-	-73.10	23.76	57.66	73.98	-16.32

Table 7-20. Radiated Measurements SISO ANT2

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-14-R2.A3L	Test Dates: 9/2/25 - 1/13/26	EUT Type: Portable Handset	Page 90 of 105



MIMO Radiated Spurious Emission Measurements

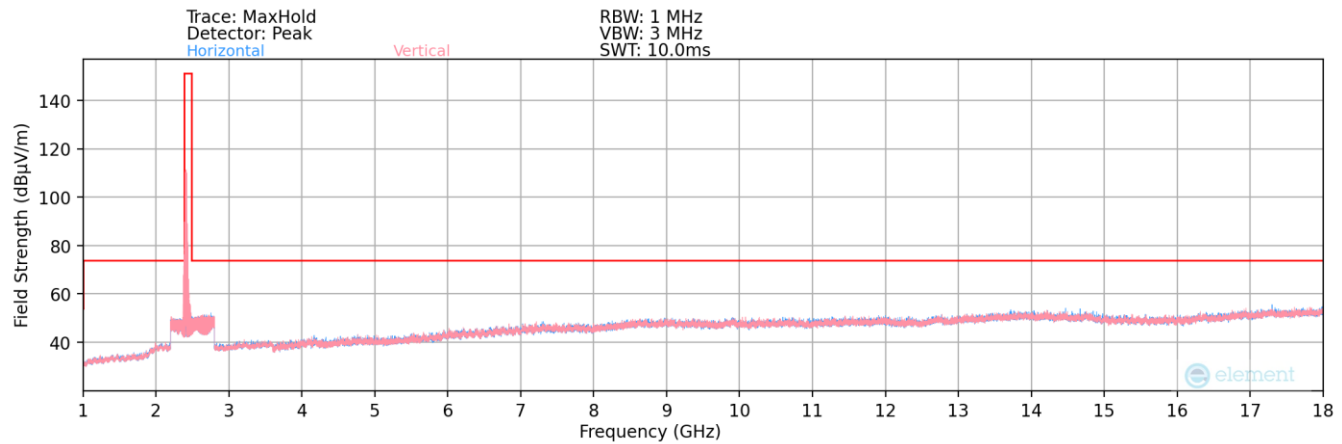


Plot 7-113. Radiated Spurious Plot below 1GHz MIMO

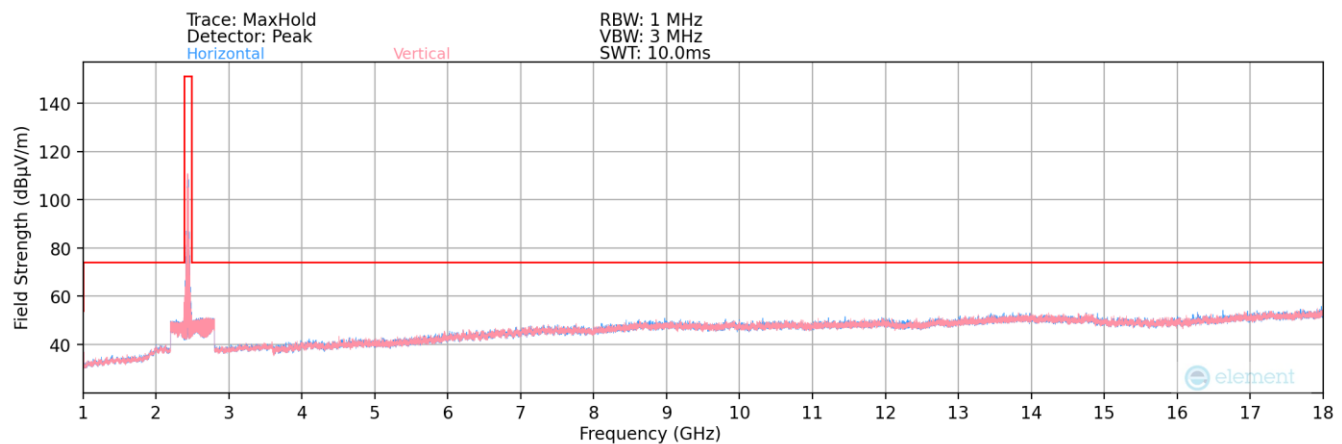
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
720.00	Quasi-Peak	H	-75	124	-65.22	-7.16	34.62	46.02	-11.40

Table 7-21. Radiated Measurements below 1GHz MIMO

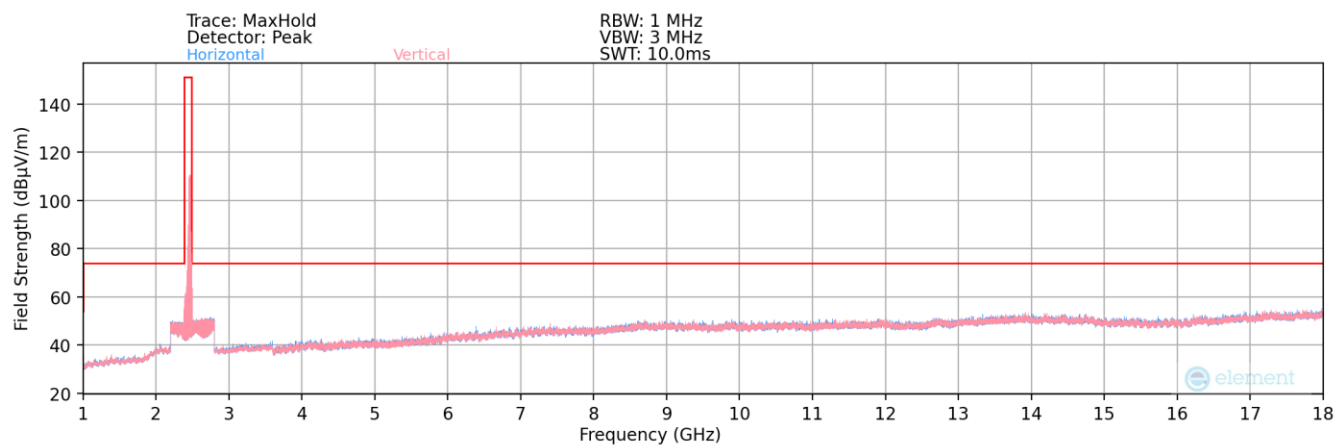
FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-14-R2.A3L	Test Dates: 9/2/25 - 1/13/26	EUT Type: Portable Handset	Page 91 of 105



Plot 7-114. Radiated Spurious Plot above 1GHz MIMO (802.11n – Ch. 1)

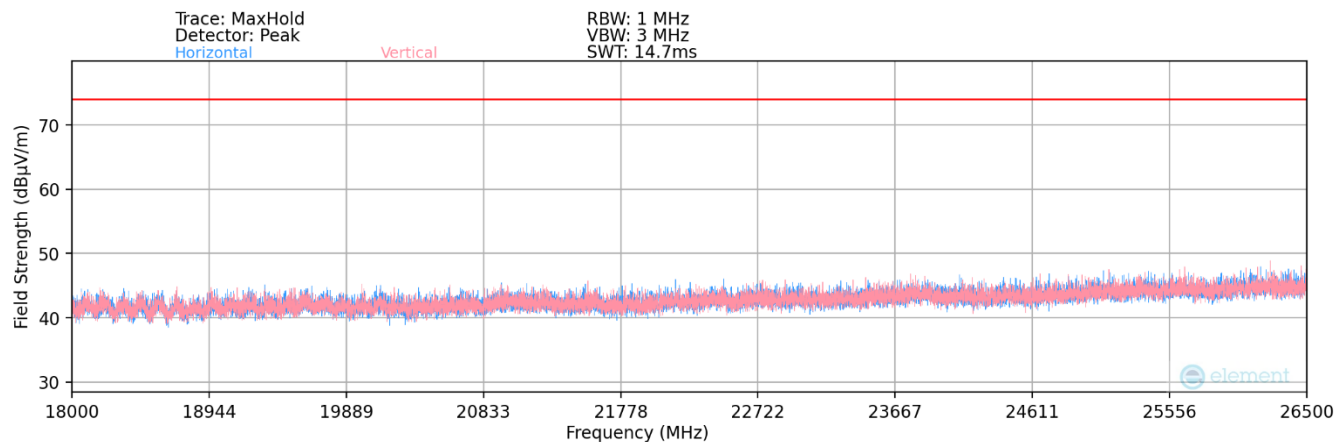


Plot 7-115. Radiated Spurious Plot above 1GHz MIMO (802.11n – Ch. 6)



Plot 7-116. Radiated Spurious Plot above 1GHz MIMO (802.11n – Ch. 11)

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-14-R2.A3L	Test Dates: 9/2/25 - 1/13/26	EUT Type: Portable Handset	Page 92 of 105



Plot 7-117. Radiated Spurious Plot above 18GHz MIMO

Worst Case Mode: 802.11n

Worst Case Transfer Rate: MCS8

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 [dBμV/m]	Margin [dB]
4824.00	Avg	H	-	-	-80.41	9.22	35.81	53.98	-18.17
4824.00	Peak	H	-	-	-68.64	9.22	47.58	73.98	-26.40
12060.00	Avg	H	-	-	-83.46	22.57	46.11	53.98	-7.87
12060.00	Peak	H	-	-	-72.07	22.57	57.50	73.98	-16.48

Table 7-22. Radiated Measurements MIMO

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-14-R2.A3L	Test Dates: 9/2/25 - 1/13/26	EUT Type: Portable Handset	Page 93 of 105

Worst Case Mode: 802.11n
Worst Case Transfer Rate: MCS8
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 [dBμV/m]	Margin [dB]
4874.00	Avg	H	-	-	-25.96	0.00	26.53	53.98	-27.45
4874.00	Peak	H	-	-	-25.96	0.00	35.85	73.98	-38.13
7311.00	Avg	H	-	-	-23.64	0.00	25.05	53.98	-28.93
7311.00	Peak	H	-	-	-23.64	0.00	33.53	73.98	-40.45
12185.00	Avg	H	-	-	-18.95	0.00	23.19	53.98	-30.79
12185.00	Peak	H	-	-	-18.95	0.00	31.07	73.98	-42.91

Table 7-23. Radiated Measurements MIMO

Worst Case Mode: 802.11n
Worst Case Transfer Rate: MCS8
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	-	-	-80.40	9.79	36.39	53.98	-17.59
4924.00	Peak	H	-	-	-71.69	9.79	45.10	73.98	-28.88
7386.00	Avg	H	-	-	-82.11	15.41	40.30	53.98	-13.68
7386.00	Peak	H	-	-	-73.38	15.41	49.03	73.98	-24.95
12310.00	Avg	H	-	-	-83.70	23.76	47.06	53.98	-6.92
12310.00	Peak	H	-	-	-75.36	23.76	55.40	73.98	-18.58

Table 7-24. Radiated Measurements MIMO

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-14-R2.A3L	Test Dates: 9/2/25 - 1/13/26	EUT Type: Portable Handset	Page 94 of 105

Worst Case Mode: 802.11n
 Worst Case Transfer Rate: MCS8
 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]	Distance Correction Factor [dB]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4874.00	Avg	H	-	-	-25.96	0.00	0.00	28.10	53.98	-25.88
4874.00	Peak	H	-	-	-25.96	0.00	0.00	39.84	73.98	-34.14
7311.00	Avg	H	-	-	-23.64	0.00	0.00	27.53	53.98	-26.45
7311.00	Peak	H	-	-	-23.64	0.00	0.00	39.34	73.98	-34.64
12185.00	Avg	H	-	-	-18.95	0.00	0.00	25.31	53.98	-28.67
12185.00	Peak	H	-	-	-18.95	0.00	0.00	36.99	73.98	-36.99

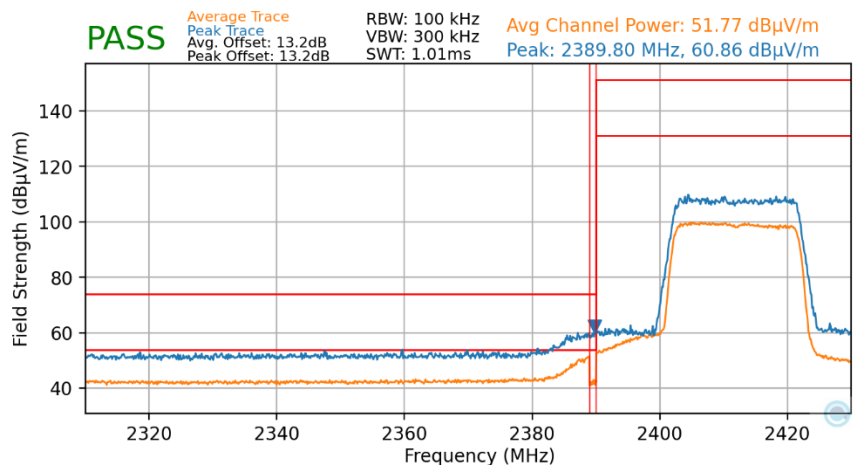
Table 7-25. Radiated Measurements MIMO – WCP

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-14-R2.A3L	Test Dates: 9/2/25 - 1/13/26	EUT Type: Portable Handset	Page 95 of 105

MIMO Radiated Restricted Band Edge Measurements

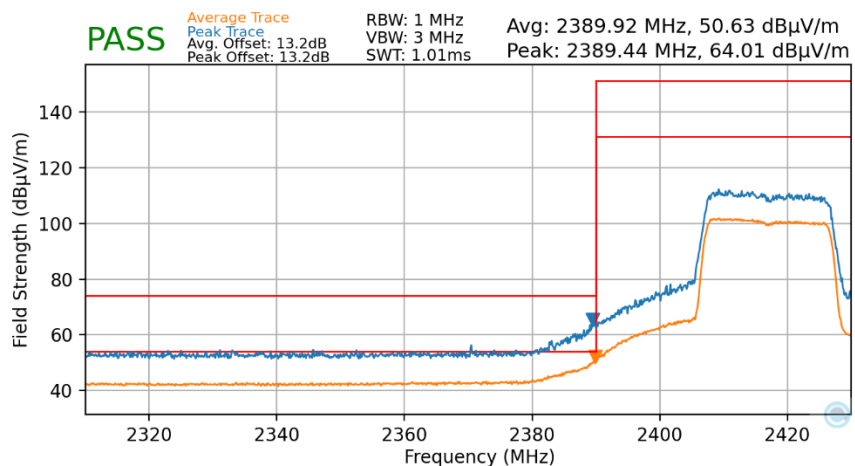
The radiated restricted band edge measurements are measured with an EMI test receiver connected to the receive antenna while the EUT is transmitting.

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	1



Plot 7-118. Radiated Restricted Lower Band Edge Measurement MIMO (Average & Peak)

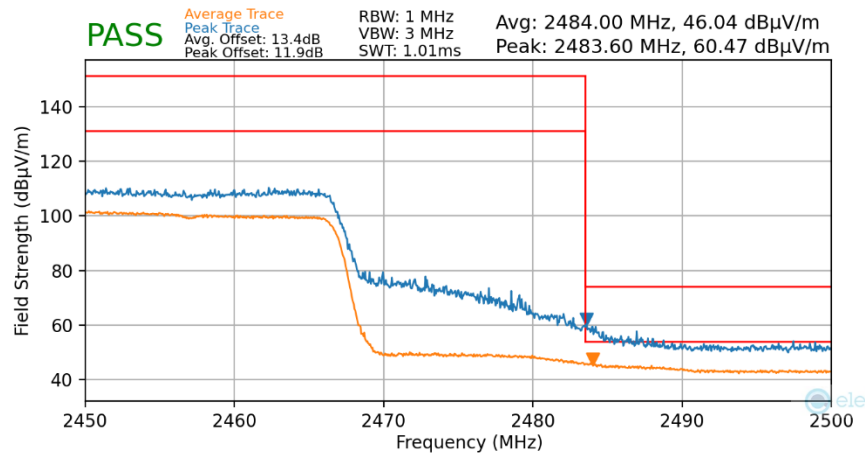
Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	2



Plot 7-119. Radiated Restricted Lower Band Edge Measurement MIMO (Average & Peak)

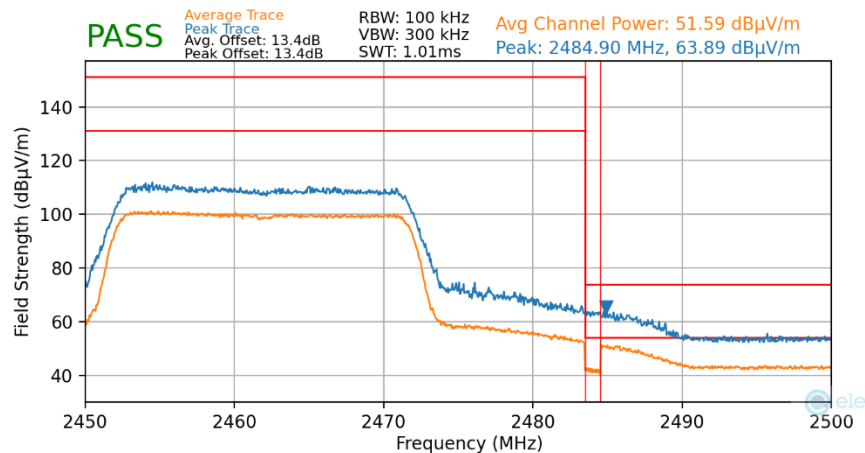
FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-14-R2.A3L	Test Dates: 9/2/25 - 1/13/26	EUT Type: Portable Handset	Page 96 of 105

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



Plot 7-120. Radiated Restricted Upper Band Edge Measurement MIMO (Average & Peak)

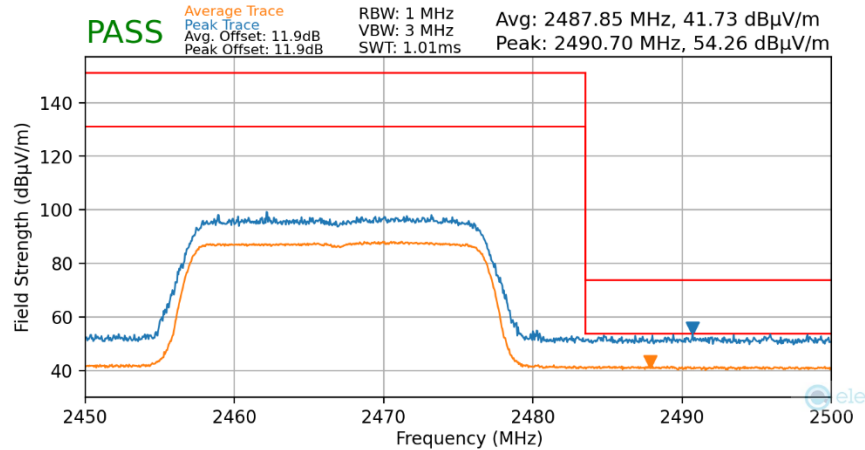
Worst Case Mode: 802.11ax
Worst Case Transfer Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 2462MHz
Channel: 11



Plot 7-121. Radiated Restricted Upper Band Edge Measurement MIMO (Average & Peak)

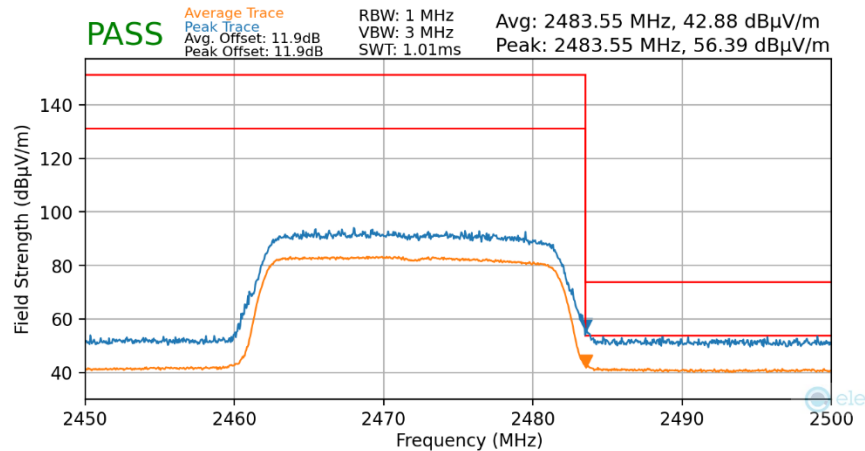
FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-14-R2.A3L	Test Dates: 9/2/25 - 1/13/26	EUT Type: Portable Handset	Page 97 of 105

Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 2467MHz
 Channel: 12



Plot 7-122. Radiated Restricted Upper Band Edge Measurement MIMO (Average & Peak)

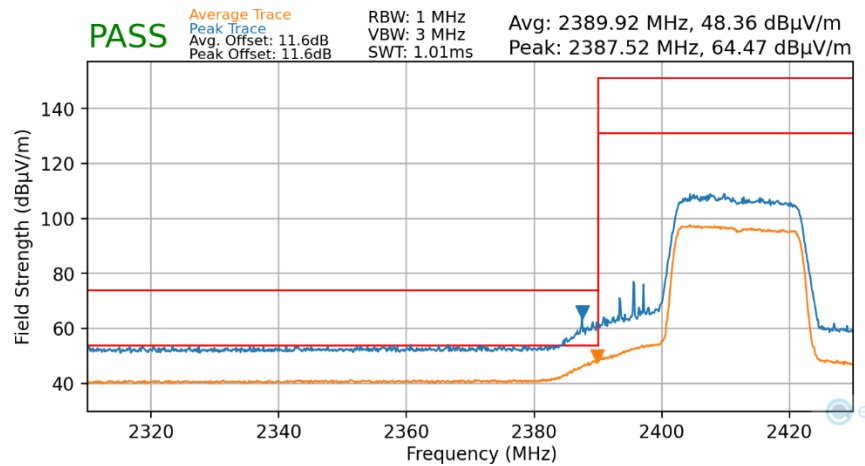
Worst Case Mode: 802.11ax
 Worst Case Transfer Rate: MCS0
 Distance of Measurements: 3 Meters
 Operating Frequency: 2472MHz
 Channel: 13



Plot 7-123. Radiated Restricted Upper Band Edge Measurement MIMO (Average & Peak)

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-14-R2.A3L	Test Dates: 9/2/25 - 1/13/26	EUT Type: Portable Handset	Page 98 of 105

Worst Case Mode: 802.11ax
Worst Case Transfer Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 2412MHz
Channel: 1



Plot 7-124. Radiated Restricted Band Edge Measurement MIMO With WCP (Average & Peak)

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-14-R2.A3L	Test Dates: 9/2/25 - 1/13/26	EUT Type: Portable Handset	Page 99 of 105

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-14-R2.A3L	Test Dates: 9/2/25 - 1/13/26	EUT Type: Portable Handset	Page 100 of 105

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 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 7-26. 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

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-14-R2.A3L	Test Dates: 9/2/25 - 1/13/26	EUT Type: Portable Handset	Page 101 of 105

Test Setup

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

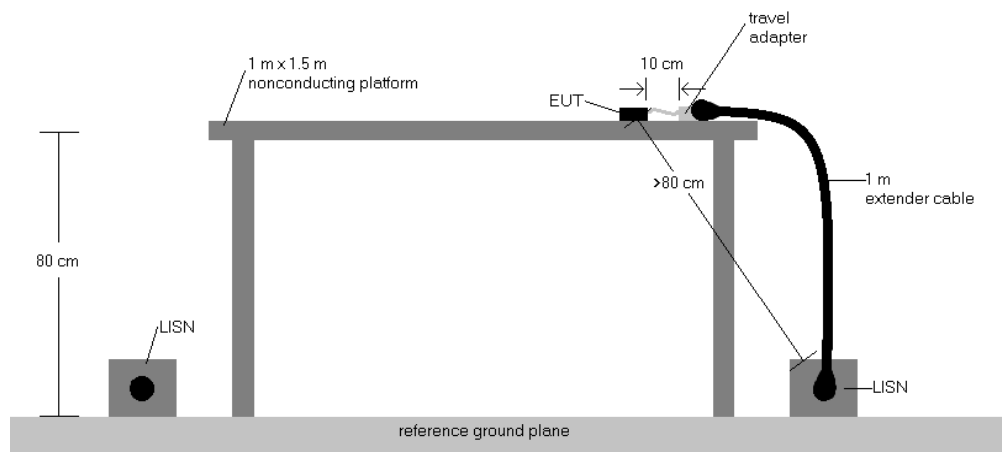
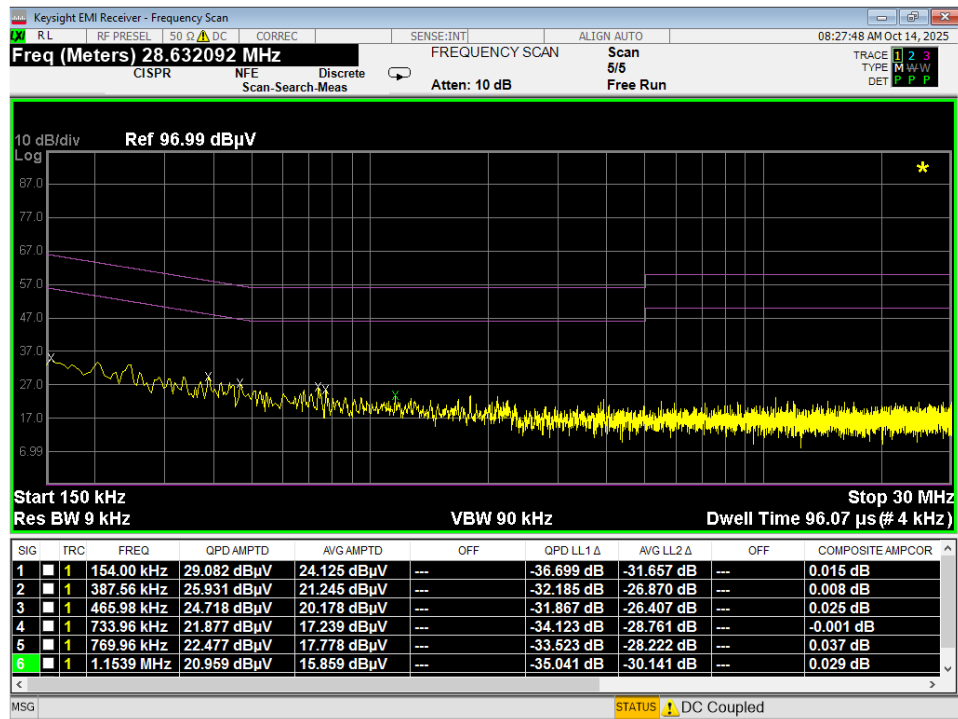


Figure 7-9. Test Instrument & Measurement Setup

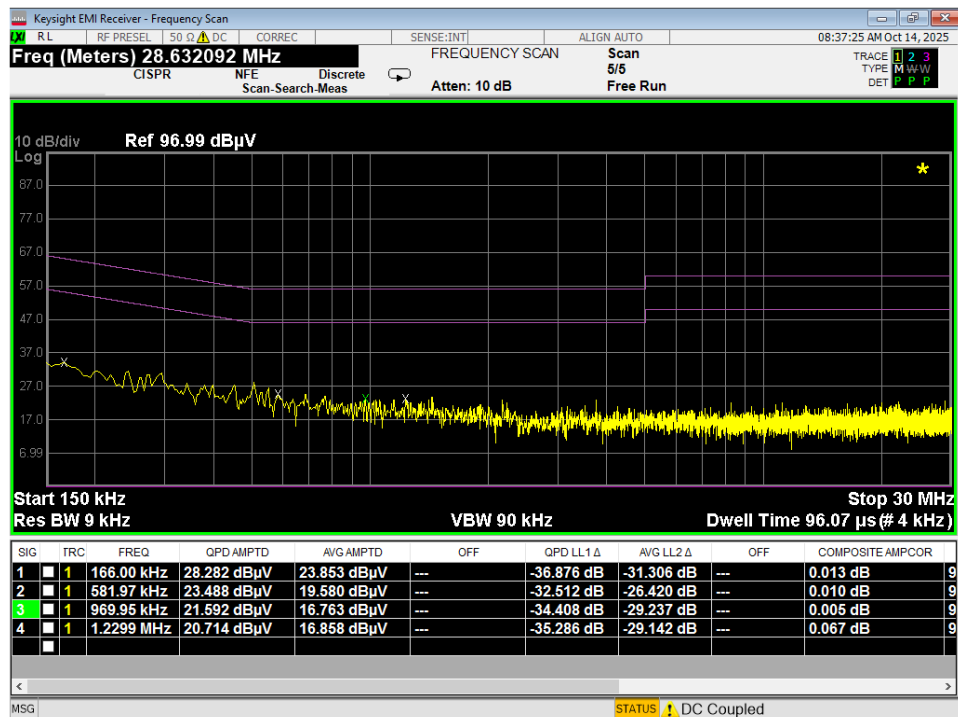
Test Notes

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.

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-14-R2.A3L	Test Dates: 9/2/25 - 1/13/26	EUT Type: Portable Handset	Page 102 of 105

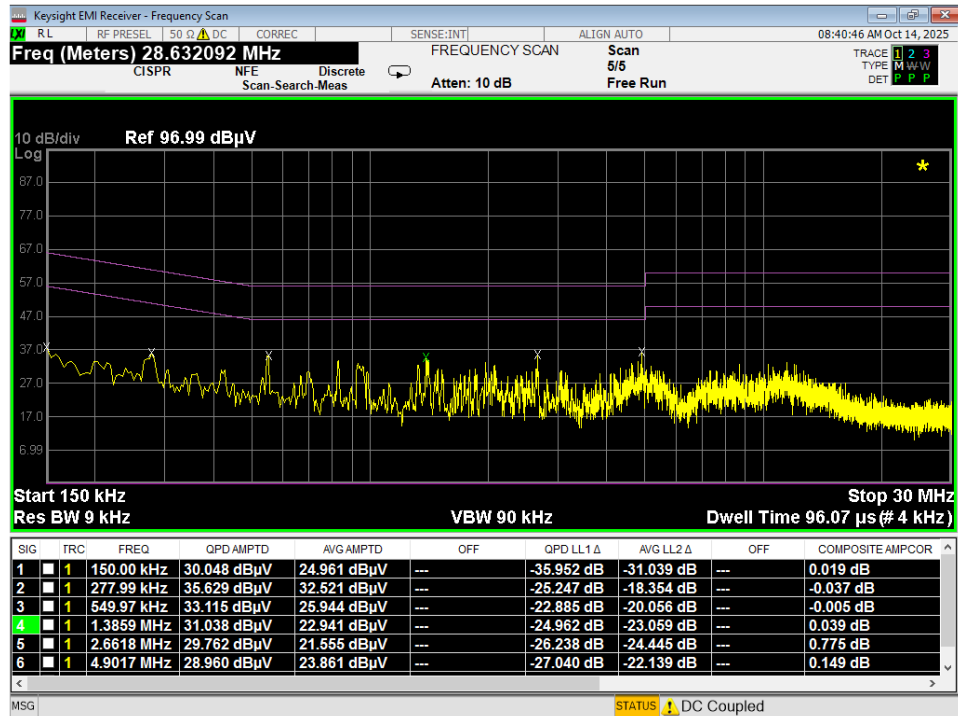


Plot 7-125. Line Conducted Plot with 802.11b (L1)

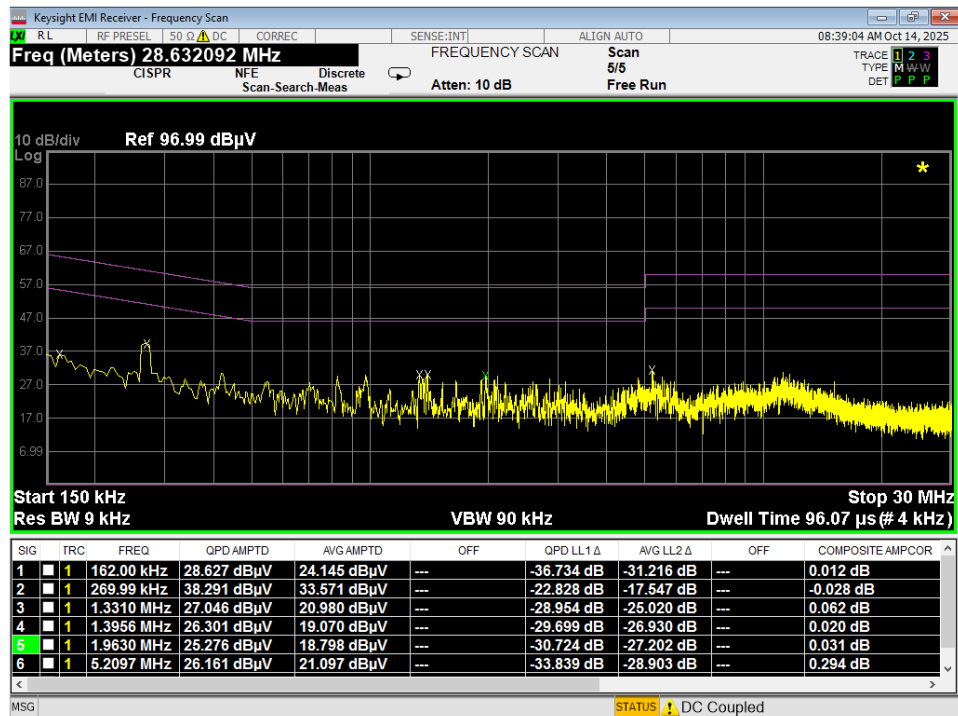


Plot 7-126. Line Conducted Plot with 802.11b (N)

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-14-R2.A3L	Test Dates: 9/2/25 - 1/13/26	EUT Type: Portable Handset	Page 103 of 105



Plot 7-127. Line Conducted Plot with 802.11b (L1) – WCP



Plot 7-128. Line Conducted Plot with 802.11b (N) – WCP

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-14-R2.A3L	Test Dates: 9/2/25 - 1/13/26	EUT Type: Portable Handset	Page 104 of 105

8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Samsung Portable Handset FCC ID: A3LSMS942B** is in compliance with Part 15 Subpart C (15.247) of the FCC Rules.

- END OF TEST REPORT -

FCC ID: A3LSMS942B	MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-14-R2.A3L	Test Dates: 9/2/25 - 1/13/26	EUT Type: Portable Handset	Page 105 of 105