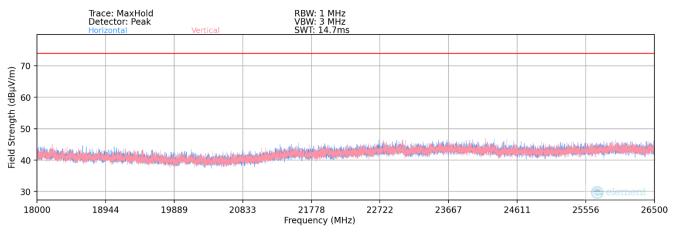


Plot 7-110. Radiated Spurious Plot above 1GHz - MIMO (802.11be OFDMA - 242 Tones - Ch. 11)



Plot 7-111. Radiated Spurious Plot above 18GHz - MIMO (802.11be OFDMA - 242 Tones)

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7.7.4 MIMO Radiated Spurious Emission Measurements

Worst Case Mode:	802.11be OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	4
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	н	-	-	-76.55	0.47	30.92	53.98	-23.06
4824.00	Peak	н	-	-	-65.64	0.47	41.83	73.98	-32.15
12060.00	Avg	Н	-	-	-81.08	13.01	38.93	53.98	-15.05
12060.00	Peak	Н	-	-	-69.88	13.01	50.13	73.98	-23.85

Table 7-29. Radiated Measurements MIMO (26 Tones)

Worst Case Mode: _____ Worst Case Transfer Rate: ____ RU Index: _____ Distance of Measurements: _____ Operating Frequency: _____ Channel:

802.11be OFDMA MCS0 4 3 Meters 2437MHz 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	Н	-	-	-76.31	0.32	31.01	53.98	-22.97
4874.00	Peak	н	-	-	-64.29	0.32	43.03	73.98	-30.95
7311.00	Avg	н	-	-	-79.14	6.50	34.36	53.98	-19.62
7311.00	Peak	Н	-	-	-69.53	6.50	43.97	73.98	-30.01
12185.00	Avg	н	-	-	-81.22	12.92	38.70	53.98	-15.28
12185.00	Peak	н	-	-	-71.89	12.92	48.03	73.98	-25.95

Table 7-30. Radiated Measurements MIMO (26 Tones)

FCC ID: A3LNP960XMA		MEASUREMENT REPORT (CERTIFICATION)			
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802.11be OFDMA
MCS0
4
3 Meters
2462MHz
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	Н	-	-	-76.55	1.14	31.59	53.98	-22.39
4924.00	Peak	н	-	-	-64.52	1.14	43.62	73.98	-30.36
7386.00	Avg	н	-	-	-78.88	6.88	35.00	53.98	-18.98
7386.00	Peak	н	-	-	-69.93	6.88	43.95	73.98	-30.03
12310.00	Avg	н	-	-	-81.25	12.84	38.59	53.98	-15.39
12310.00	Peak	н	-	-	-71.80	12.84	48.04	73.98	-25.94

Table 7-31. Radiated Measurements MIMO (26 Tones)

Worst Case Mode: Worst Case Transfer Rate: RU Index: Distance of Measurements: Operating Frequency: Channel:

802.11be OFDMA
MCS0
61
3 Meters
2412MHz
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	Н	-	-	-76.25	0.47	31.22	53.98	-22.76
4824.00	Peak	н	-	-	-66.12	0.47	41.35	73.98	-32.63
12060.00	Avg	Н	-	-	-81.12	13.01	38.89	53.98	-15.09
12060.00	Peak	Н	-	-	-69.49	13.01	50.52	73.98	-23.46

Table 7-32. Radiated Measurements MIMO (242 Tones)

FCC ID: A3LNP960XMA		MEASUREMENT REPORT (CERTIFICATION)			
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Worst Case Mode:	802.11be OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	61
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	Н	-	-	-76.52	0.32	30.80	53.98	-23.18
4874.00	Peak	н	-	-	-64.61	0.32	42.71	73.98	-31.27
7311.00	Avg	н	-	-	-79.23	6.50	34.27	53.98	-19.71
7311.00	Peak	н	-	-	-69.43	6.50	44.07	73.98	-29.91
12185.00	Avg	н	-	-	-80.97	12.92	38.95	53.98	-15.03
12185.00	Peak	н	-	-	-71.59	12.92	48.33	73.98	-25.65

Table 7-33. Radiated Measurements MIMO (242 Tones)

802 11be OFDMA Worst Case Mode: Worst Case Transfer Rate: RU Index: Distance of Measurements: **Operating Frequency:** Channel:

602.11be OFDMA
MCS0
61
3 Meters
2462MHz
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	Н	-	-	-76.42	1.14	31.72	53.98	-22.26
4924.00	Peak	н	-	-	-64.51	1.14	43.63	73.98	-30.35
7386.00	Avg	н	-	-	-78.88	6.88	35.00	53.98	-18.98
7386.00	Peak	н	-	-	-69.78	6.88	44.10	73.98	-29.88
12310.00	Avg	н	-	-	-81.04	12.84	38.80	53.98	-15.18
12310.00	Peak	Н	-	-	-71.96	12.84	47.88	73.98	-26.10

Table 7-34. Radiated Measurements MIMO (242 Tones)

FCC ID: A3LNP960XMA		MEASUREMENT REPORT (CERTIFICATION)	
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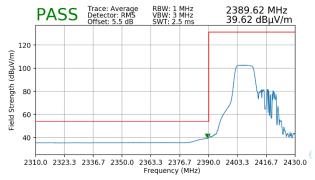


7.7.5 SISO Antenna-2 Radiated Restricted Band Edge Measurements

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: Worst Case Transfer Rate: RU Index: Distance of Measurements: Operating Frequency: Channel:

802.11be OFDMA
MCS0
53
3 Meters
2412MHz
1

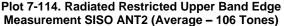


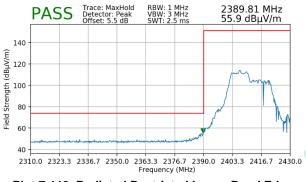
Plot 7-112. Radiated Restricted Lower Band Edge Measurement SISO ANT2 (Average – 106 Tones)

Worst Case Mode: Worst Case Transfer Rate: RU Index: Distance of Measurements: Operating Frequency: Channel:

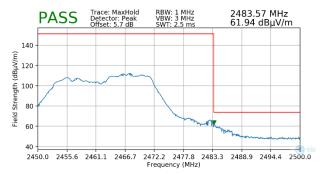
	802.11be OFDMA
	MCS0
	54
5:	3 Meters
	2462MHz
	11







Plot 7-113. Radiated Restricted Lower Band Edge Measurement SISO ANT2 (Peak – 106 Tones)

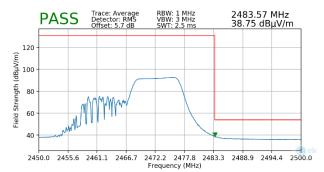


Plot 7-115. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Peak – 106 Tones)

FCC ID: A3LNP960XMA	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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Worst Case Mode:	802.11be OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	54
Distance of Measurements:	3 Meters
Operating Frequency:	2467MHz
Channel:	12

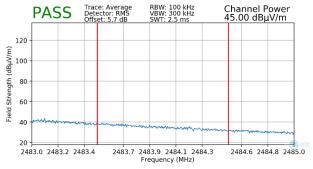


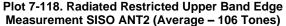
Plot 7-116. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Average – 106 Tones)

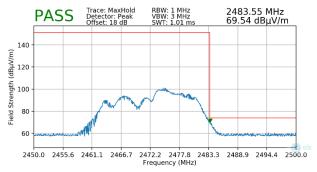
Worst Case Mode:	802.11be OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	54
Distance of Measurements:	3 Meters
Operating Frequency:	2472MHz
Channel:	13









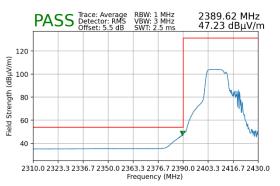


Plot 7-119. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Peak – 106 Tones)

FCC ID: A3LNP960XMA		MEASUREMENT REPORT (CERTIFICATION)		
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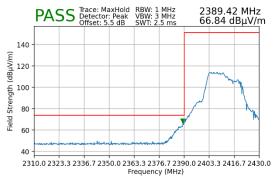


Worst Case Mode:	802.11be OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	82
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	1

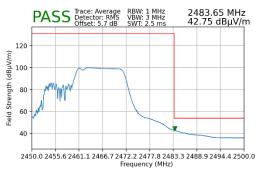


Plot 7-120. Radiated Restricted Lower Band Edge Measurement SISO ANT2 (Average – 106+26 Tones)

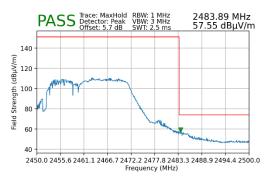
802.11be OFDMA
MCS0
83
3 Meters
2462MHz
11



Plot 7-121. Radiated Restricted Lower Band Edge Measurement SISO ANT2 (Peak – 106+26 Tones)



Plot 7-122. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Average – 106+26 Tones)

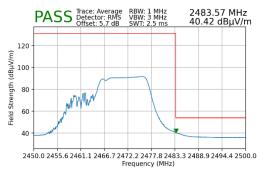


Plot 7-123. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Peak – 106+26 Tones)

FCC ID: A3LNP960XMA	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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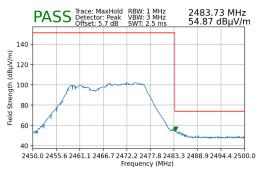


Worst Case Mode:	802.11be OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	83
Distance of Measurements:	3 Meters
Operating Frequency:	2467MHz
Channel:	12

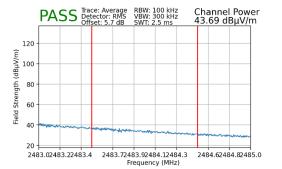


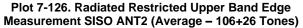
Plot 7-124. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Average – 106+26 Tones)

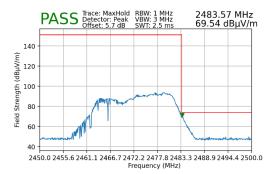
Worst Case Mode:	802.11be OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	83
Distance of Measurements:	3 Meters
Operating Frequency:	2472MHz
Channel:	13



Plot 7-125. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Peak – 106+26 Tones)





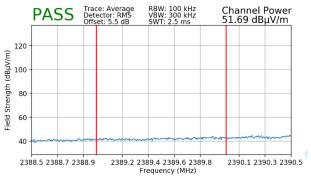


Plot 7-127. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Peak – 106+26 Tones)

FCC ID: A3LNP960XMA		MEASUREMENT REPORT (CERTIFICATION)	
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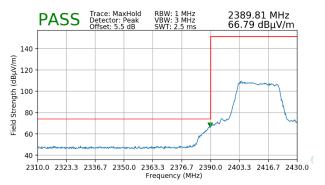


Worst Case Mode:	802.11be OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	1

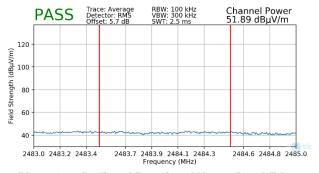


Plot 7-128. Radiated Restricted Lower Band Edge Measurement SISO ANT2 (Average – 242 Tones)

Worst Case Mode:	802.11be OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2462MHz
Channel:	11



Plot 7-129. Radiated Restricted Lower Band Edge Measurement SISO ANT2 (Peak – 242 Tones)



Plot 7-130. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Average – 242 Tones)



Plot 7-131. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Peak – 242 Tones)

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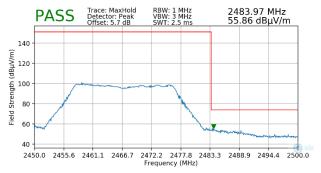


Worst Case Mode:	802.11be OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2467MHz
Channel:	12



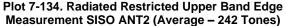
Plot 7-132. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Average – 242 Tones)

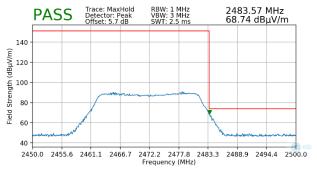
Worst Case Mode:	802.11be OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2472MHz
Channel:	13











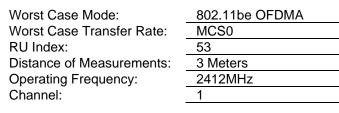
Plot 7-135. Radiated Restricted Upper Band Edge Measurement SISO ANT2 (Peak – 242 Tones)

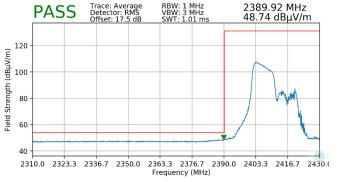
FCC ID: A3LNP960XMA		MEASUREMENT REPORT (CERTIFICATION)	
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7.7.6 MIMO Radiated Restricted Band Edge Measurements

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

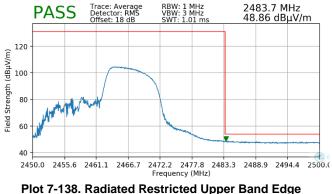




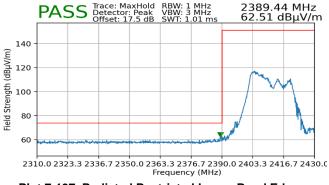
Plot 7-136. Radiated Restricted Lower Band Edge Measurement MIMO (Average – 106 Tones)

Worst Case Mode:
Worst Case Transfer Rate:
RU Index:
Distance of Measurements:
Operating Frequency:
Channel:

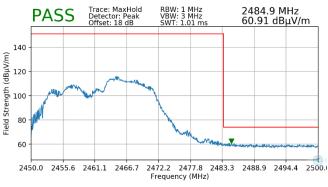
	802.11be OFDMA
:	MCS0
	54
s:	3 Meters
	2462MHz
	11



Measurement MIMO (Average – 106 Tones)



Plot 7-137. Radiated Restricted Lower Band Edge Measurement MIMO (Peak – 106 Tones)



Plot 7-139. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 106 Tones)

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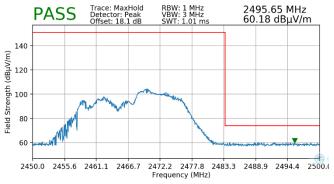


Worst Case Mode:	802.11be OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	54
Distance of Measurements:	3 Meters
Operating Frequency:	2467MHz
Channel:	12

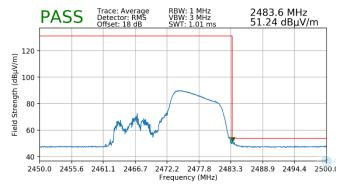


Plot 7-140. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 106 Tones)

802.11be OFDMA
MCS0
54
3 Meters
2472MHz
13



Plot 7-141. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 106 Tones)



Plot 7-142. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 106 Tones)

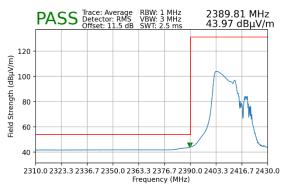


Plot 7-143. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 106 Tones)

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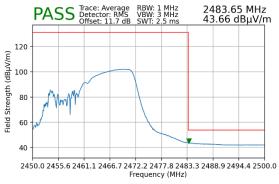


Worst Case Mode:	802.11be OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	82
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	1

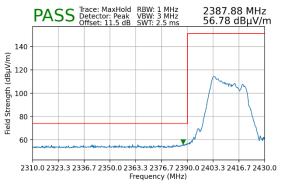


Plot 7-144. Radiated Restricted Lower Band Edge Measurement MIMO (Average – 106+26 Tones)

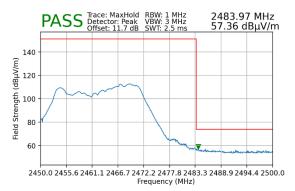
Worst Case Mode:	802.11be OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	83
Distance of Measurements:	3 Meters
Operating Frequency:	2462MHz
Channel:	11

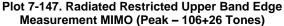






Plot 7-145. Radiated Restricted Lower Band Edge Measurement MIMO (Peak – 106+26 Tones)

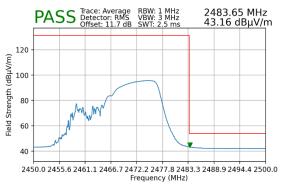




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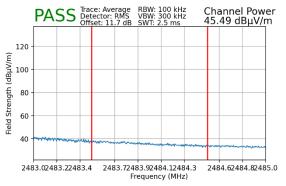


Worst Case Mode:	802.11be OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	83
Distance of Measurements:	3 Meters
Operating Frequency:	2467MHz
Channel:	12

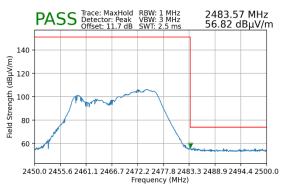


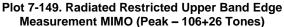
Plot 7-148. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 106+26 Tones)

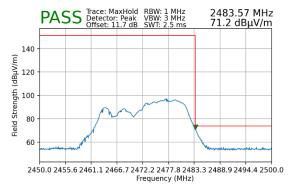
Worst Case Mode:	802.11be OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	83
Distance of Measurements:	3 Meters
Operating Frequency:	2472MHz
Channel:	13

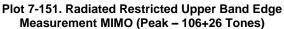








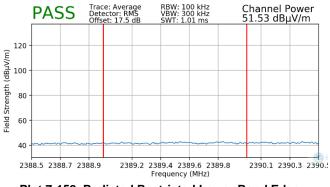




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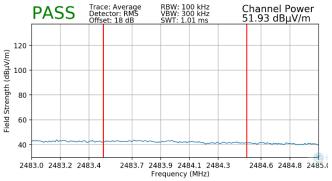


Worst Case Mode:	802.11be OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2412MHz
Channel:	1

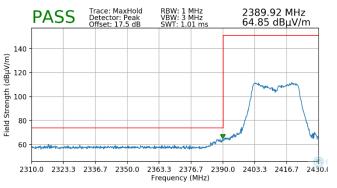


Plot 7-152. Radiated Restricted Lower Band Edge Measurement MIMO (Average – 242 Tones)

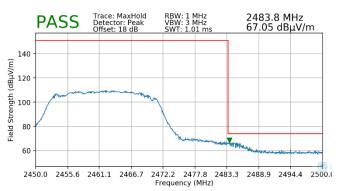
Worst Case Mode:	802.11be OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2462MHz
Channel:	11



Plot 7-154. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 242 Tones)



Plot 7-153. Radiated Restricted Lower Band Edge Measurement MIMO (Peak – 242 Tones)

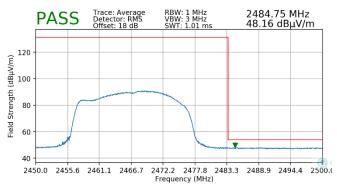


Plot 7-155. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 242 Tones)

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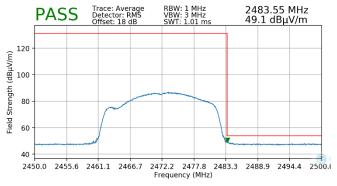


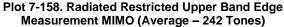
Worst Case Mode:	802.11be OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2467MHz
Channel:	12

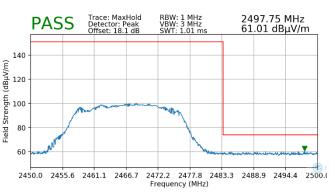


Plot 7-156. Radiated Restricted Upper Band Edge Measurement MIMO (Average – 242 Tones)

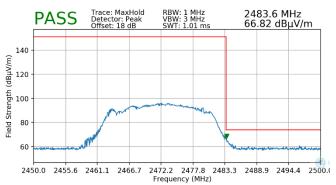
Worst Case Mode:	802.11be OFDMA
Worst Case Transfer Rate:	MCS0
RU Index:	61
Distance of Measurements:	3 Meters
Operating Frequency:	2472MHz
Channel:	13







Plot 7-157. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 242 Tones)



Plot 7-159. Radiated Restricted Upper Band Edge Measurement MIMO (Peak – 242 Tones)

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8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Samsung Portable Computing Device FCC ID: A3LNP960XMA** is in compliance with Part 15 Subpart C (15.247) of the FCC Rules.

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