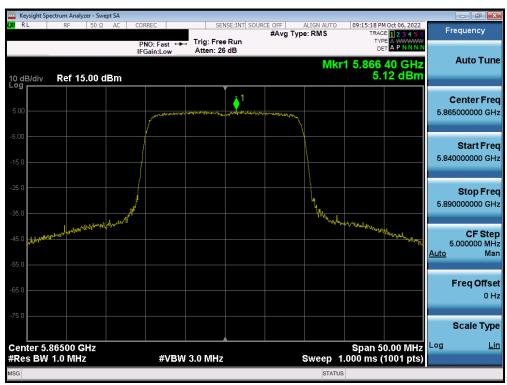


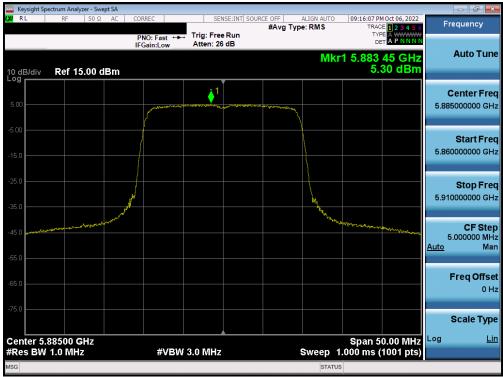
Plot 7-337. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 3/4) - Ch. 169)



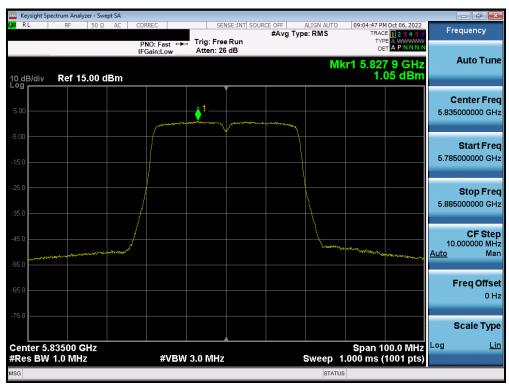
Plot 7-338. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 4) - Ch. 173)

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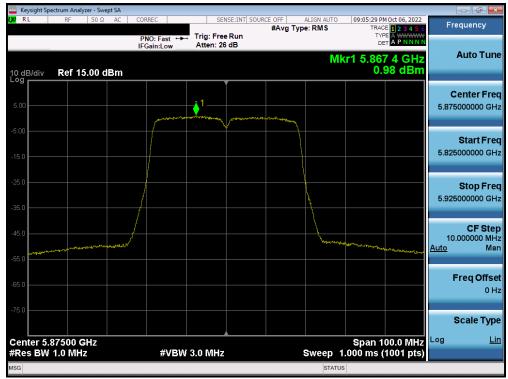
Plot 7-339. Power Spectral Density Plot MIMO ANT2 (20MHz BW 802.11ax (UNII Band 4) - Ch. 177)



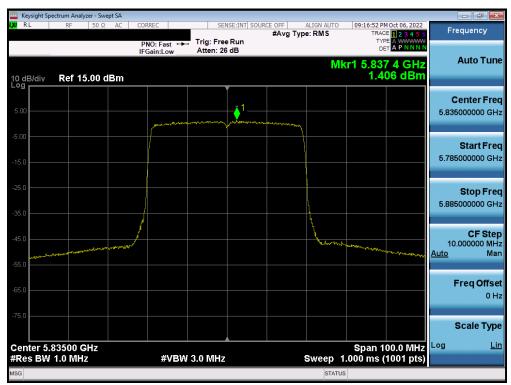
Plot 7-340. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 3/4) - Ch. 167)

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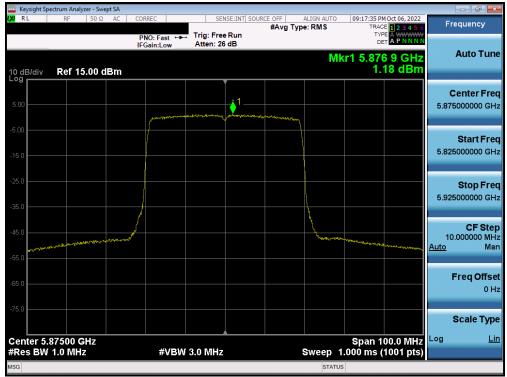
Plot 7-341. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11n (UNII Band 4) - Ch. 175)



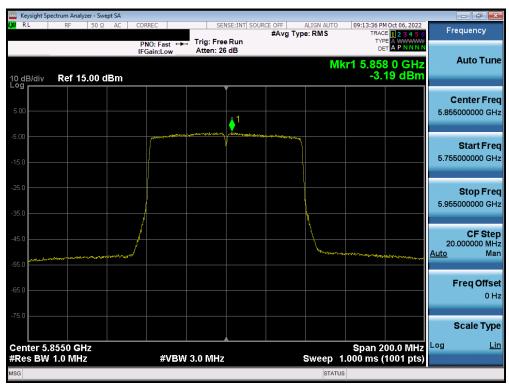
Plot 7-342. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax (UNII Band 3/4) - Ch. 167)

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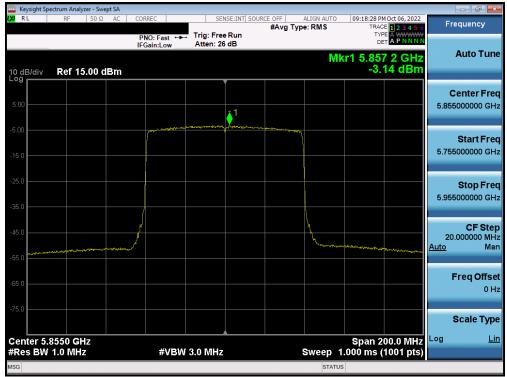
Plot 7-343. Power Spectral Density Plot MIMO ANT2 (40MHz BW 802.11ax (UNII Band 4) - Ch. 175)



Plot 7-344. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ac (UNII Band 3/4) - Ch. 171)

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Plot 7-345. Power Spectral Density Plot MIMO ANT2 (80MHz BW 802.11ax (UNII Band 3/4) - Ch. 171)



Plot 7-346. Power Spectral Density Plot MIMO ANT2 (160MHz BW 802.11ac (UNII Band 3/4) - Ch. 163)

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Plot 7-347. Power Spectral Density Plot MIMO ANT2 (160MHz BW 802.11ax (UNII Band 3/4) - Ch. 163)

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#### Note:

Per ANSI C63.10-2013 Section 14.3.2.2 and KDB 662911 v02r01 Section E)2), the power spectral density at Antenna-1 and Antenna-2 were first measured separately as shown in the section above. The measured values were then summed in linear power units then converted back to dBm.

#### **Sample MIMO Calculation:**

At 5180MHz in 802.11n (20MHz BW) mode, the average conducted power spectral density was measured to be 6.27 dBm for Antenna 1 and 4.63 dBm for Antenna 2.

$$(6.27 \text{ dBm} + 4.63 \text{ dBm}) = (4.24 \text{ mW} + 2.90 \text{ mW}) = 7.14 \text{ mW} = 8.54 \text{ dBm}$$

#### Sample e.i.r.p Power Spectral Density Calculation:

At 5180MHz in 802.11n (20MHz BW) mode, the average MIMO power density was calculated to be 8.54 dBm with directional gain of -0.99 dBi.

$$8.54 \text{ dBm} + -0.99 \text{ dBi} = 7.55 \text{ dBm}$$

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### 7.6 Radiated Spurious Emission Measurements – Above 1GHz §15.407(b) §15.205 §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 its maximum power control level, as defined in ANSI C63.10-2013 and KDB 789033 D02 v02r01, and at the appropriate frequencies. All channels, modes (e.g. 802.11a, 802.11n (20MHz BW), 802.11n (40MHz BW), 802.11ac (80MHz), and 802.11ax (160MHz)), and modulations/data rates were investigated among all UNII bands. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

For transmitters operating in the 5.15-5.25 GHz and 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of −27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

For transmitters operating in the 5.850 – 5.895 GHz band: all emissions at or above 5.895GHz shall not exceed an e.i.r.p. of -5dBm/MHz and shall decrease linearly up to an e.i.r.p. of -27dBm/MHz at or above 5.925GHz, and all emissions below 5.725 GHz shall not exceed an e.i.r.p. of -27dBm/MHz at 5.65 GHz increasing linearly to 10dBm/MHz at 5.7GHz and from 5.7GHz increasing linearly to a level of 15.6dMb/MHz at 5.72GHz, and from 5.72GHz increasing linearly to a level of 27dBm/MHz at 5.725GHz.

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 in Table 7-22 per Section 15.209 and RSS-Gen (8.9).

F	requency	Field Strength [µV/m]	Measured Distance [Meters]
Abo	ve 960.0 MHz	500	3

Table 7-22. Radiated Limits

#### **Test Procedures Used**

ANSI C63.10-2013 – Sections 12.7.7.2, 12.7.6, 12.7.5 KDB 789033 D02 v02r01 – Section G

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#### **Test Settings**

#### Average Measurements above 1GHz (Method AD)

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. RBW = 1MHz
- 3. VBW = 3MHz
- 4. Detector = power average (RMS)
- 5. Number of measurement points = 1001 (Number of points must be > 2 x span/RBW)
- 6. Averaging type = power (RMS)
- 7. Sweep time = auto couple
- 8. Trace was averaged over 100 sweeps

#### Peak Measurements above 1GHz

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. RBW = 1MHz
- 3. VBW = 3MHz
- 4. Detector = peak
- 5. Sweep time = auto couple
- 6. Trace mode = max hold
- 7. Trace was allowed to stabilize

#### Peak Measurements below 1GHz

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. Span was set greater than 1MHz
- 3. RBW = 120kHz
- 4. Detector = CISPR quasi-peak
- 5. Sweep time = auto couple
- 6. Trace was allowed to stabilize

#### **Test Setup**

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

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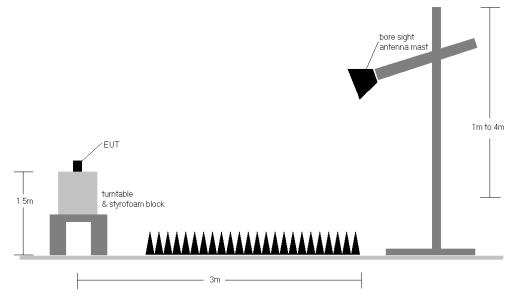


Figure 7-5. Test Instrument & Measurement Setup

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#### **Test Notes**

- 1. All emissions that lie in the restricted bands (denoted by a \* next to the frequency) specified in §15.205 and Section 8.10 of RSS-Gen are below the limit shown in Table 7-22.
- 2. All spurious emissions lying in restricted bands specified in §15.205 and Section 8.10 of RSS-Gen are below the limit shown in Table 7-22. All spurious emissions that do not lie in a restricted band are subject to a peak limit of -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.
- 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 10<sup>th</sup> harmonic of the fundamental frequency of the transmitter using CISPR quasi peak detector below 1GHz. Above 1 GHz, average and peak measurements were taken using linearly polarized horn antennas. The worst-case emissions are reported however emissions whose levels were not within 20dB of the respective limits were not reported.
- 6. Emissions below 18GHz were measured at a 3 meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
- 7. Radiated spurious emissions were investigated while operating in MIMO mode, however, it was determined that single antenna operation produced the worst case emissions. Since the emissions produced from MIMO operation were found to be more than 20dB below the limit, the MIMO emissions are not reported.
- 8. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification. Any emissions found to be within 20dB of the limit are fully investigated and the results are shown in this section.
- 9. The "-" shown in the following RSE tables are used to denote a noise floor measurement.

#### **Sample Calculations**

#### **Determining Spurious Emissions Levels**

- Field Strength Level [dBuV/m] = Analyzer Level [dBm] + 107 + AFCL [dB/m]
- AFCL [dB/m] = Antenna Factor [dB/m] + Cable Loss [dB]
- o Margin [dB] = Field Strength Level [dB $\mu$ V/m] Limit [dB $\mu$ V/m]

#### Radiated Band Edge Measurement Offset

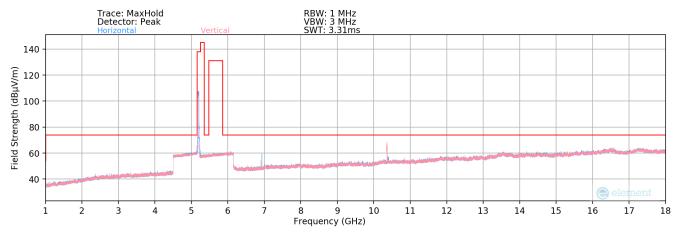
 The amplitude offset shown in the radiated restricted band edge plots was calculated using the formula:

Offset (dB) = (Antenna Factor + Cable Loss + Attenuator) – Preamplifier Gai

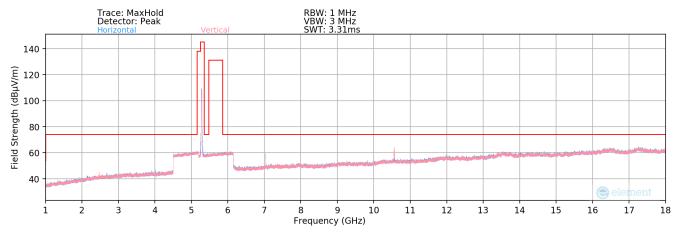
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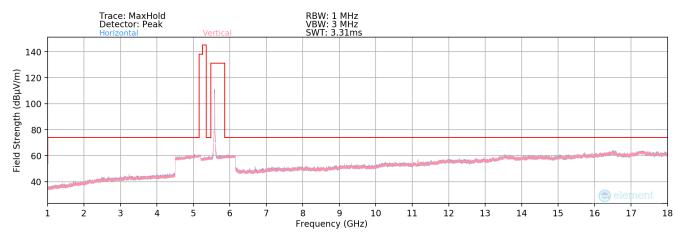
### 7.6.1 MIMO Radiated Spurious Emission Measurements



Plot 7-348. Radiated Spurious Plot above 1GHz MIMO (802.11ax - U1 Ch. 40)



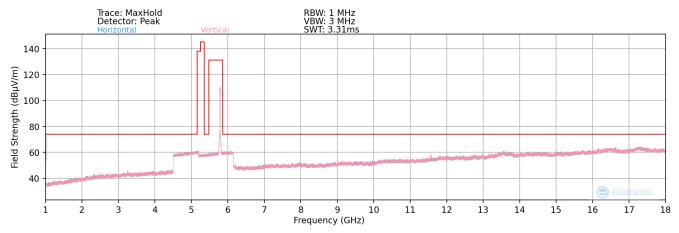
Plot 7-349. Radiated Spurious Plot above 1GHz MIMO (802.11ax - U2A Ch. 56)



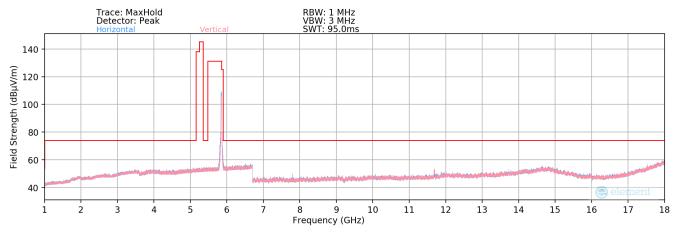
Plot 7-350. Radiated Spurious Plot above 1GHz MIMO (802.11ax - U2C Ch. 120)

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Plot 7-351. Radiated Spurious Plot above 1GHz MIMO (802.11ax - U3 Ch. 157)



Plot 7-352. Radiated Spurious Plot above 1GHz MIMO (802.11ax - U4 Ch. 173)

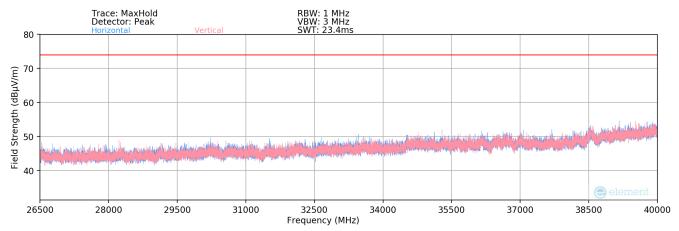
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### MIMO Radiated Spurious Emissions Measurements (Above 18GHz)



Plot 7-353. Radiated Spurious Plot 18GHz – 26.5GHz MIMO (802.11ax)



Plot 7-354. Radiated Spurious Plot 26.5GHz - 40GHz MIMO (802.11ax)

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## MIMO Radiated Spurious Emission Measurements §15.407(b) §15.205 & §15.209

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5180MHz

Channel: 36

	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]
	10360.00	Peak	V	107	250	-50.91	8.74	0.00	64.83	68.20	-3.37
*	15540.00	Average	٧	-	-	-77.70	10.23	0.00	39.53	53.98	-14.45
*	15540.00	Peak	V	-	-	-65.89	10.23	0.00	51.34	73.98	-22.64
*	20720.00	Average	V	-	-	-85.76	3.37	-9.54	15.07	53.98	-38.91
*	20720.00	Peak	٧	-	-	-74.26	3.37	-9.54	26.57	73.98	-47.41
	25900.00	Peak	V	-	-	-71.98	4.84	-9.54	30.31	68.20	-37.89

Table 7-23. Radiated Measurements MIMO

Worst Case Mode:

Worst Case Transfer Rate:

Distance of Measurements:

Operating Frequency:

Channel:

802.11a

6Mbps

1 & 3 Meters

5200MHz

40

	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]
	10400.00	Peak	V	107	257	-51.72	9.31	0.00	64.59	68.20	-3.61
*	15600.00	Average	٧	-	-	-77.24	9.27	0.00	39.03	53.98	-14.95
*	15600.00	Peak	V	-	-	-65.42	9.27	0.00	50.85	73.98	-23.13
*	20800.00	Average	V	-	-	-85.46	3.43	-9.54	15.42	53.98	-38.56
*	20800.00	Peak	V	-	-	-74.64	3.43	-9.54	26.24	73.98	-47.74
	26000.00	Peak	٧	-	-	-71.28	4.89	-9.54	31.07	68.20	-37.13

**Table 7-24. Radiated Measurements MIMO** 

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Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5240MHz

Channel: 48

	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]
	10480.00	Peak	V	117	251	-52.47	8.61	0.00	63.14	68.20	-5.06
*	15720.00	Average	٧	-	-	-77.92	9.39	0.00	38.47	53.98	-15.51
*	15720.00	Peak	٧	-	-	-65.97	9.39	0.00	50.42	73.98	-23.56
*	20960.00	Average	٧	-	-	-85.11	3.50	-9.54	15.85	53.98	-38.13
*	20960.00	Peak	V	-	-	-73.63	3.50	-9.54	27.33	73.98	-46.65
	26200.00	Peak	V	-	-	-70.74	4.72	-9.54	31.44	68.20	-36.76

Table 7-25. Radiated Measurements MIMO

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 3 Meters

Operating Frequency: 5180MHz

Channel: 36

	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]
	10360.00	Peak	V	152	341	-52.49	8.74	63.25	68.20	-4.95
*	15540.00	Average	V	-	-	-77.29	10.23	39.94	53.98	-14.04
*	15540.00	Peak	V	-	-	-65.12	10.23	52.11	73.98	-21.87

Table 7-26. Radiated Measurements MIMO with WCP

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Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5260MHz

Channel: 52

	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]
	10520.00	Peak	V	116	38	-55.61	7.91	0.00	59.30	68.20	-8.90
*	15780.00	Average	٧	-	-	-77.45	9.19	0.00	38.74	53.98	-15.24
*	15780.00	Peak	٧	-	-	-65.32	9.19	0.00	50.87	73.98	-23.11
*	21040.00	Average	٧	-	-	-81.97	3.56	-9.54	19.05	53.98	-34.93
*	21040.00	Peak	V	-	-	-73.77	3.56	-9.54	27.25	73.98	-46.73
	26300.00	Peak	V	-	-	-72.16	4.68	-9.54	29.98	68.20	-38.22

Table 7-27. Radiated Measurements MIMO

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5280MHz

Channel: 56

	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]
	10560.00	Peak	V	129	30	-56.60	8.05	0.00	58.45	68.20	-9.75
*	15840.00	Average	٧	-	-	-84.36	9.10	0.00	31.74	53.98	-22.24
*	15840.00	Peak	٧	-	-	-65.55	9.10	0.00	50.55	73.98	-23.43
*	21120.00	Average	٧	-	-	-85.42	3.66	-9.54	15.70	53.98	-38.28
*	21120.00	Peak	٧	-	-	-73.96	3.66	-9.54	27.16	73.98	-46.82
	26400.00	Peak	٧	-	-	-71.86	4.56	-9.54	30.15	68.20	-38.05

Table 7-28. Radiated Measurements MIMO

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Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5320MHz

Channel: 64

	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]
*	10640.00	Average	V	125	37	-70.08	8.17	0.00	45.09	53.98	-8.89
*	10640.00	Peak	٧	125	37	-58.27	8.17	0.00	56.90	73.98	-17.08
*	15960.00	Average	V	-	-	-77.17	8.86	0.00	38.69	53.98	-15.29
*	15960.00	Peak	٧	-	-	-65.18	8.86	0.00	50.68	73.98	-23.30
*	21280.00	Average	V	-	-	-85.53	3.77	-9.54	15.70	53.98	-38.28
*	21280.00	Peak	V	-	-	-74.05	3.77	-9.54	27.18	73.98	-46.80
	26600.00	Peak	V	-	-	-71.97	4.58	-9.54	30.07	68.20	-38.13

Table 7-29. Radiated Measurements MIMO

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 3 Meters

Operating Frequency: 5320MHz

Channel: 64

	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]
*	10640.00	Average	٧	299	44	-68.80	8.17	46.37	53.98	-7.61
*	10640.00	Peak	٧	299	44	-57.64	8.17	57.53	73.98	-16.45
*	15960.00	Average	V	-	-	-72.22	8.86	43.64	53.98	-10.34
*	15960.00	Peak	٧	-	-	-65.26	8.86	50.60	73.98	-23.38

Table 7-30. Radiated Measurements MIMO with WCP

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Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5500MHz

Channel: 100

	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]
*	11000.00	Average	V	-	-	-82.99	13.48	0.00	37.49	53.98	-16.49
*	11000.00	Peak	٧	-	-	-72.17	13.48	0.00	48.31	73.98	-25.67
	16500.00	Peak	٧	-	-	-72.66	19.44	0.00	53.78	68.20	-14.42
	22000.00	Peak	٧	-	-	-72.83	3.80	-9.54	28.43	68.20	-39.77
	27500.00	Peak	V	-	-	-73.77	4.79	-9.54	28.47	68.20	-39.73

Table 7-31. Radiated Measurements MIMO

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5600MHz

Channel: 120

	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]
*	11200.00	Average	V	107	286	-74.84	8.67	0.00	40.83	53.98	-13.15
*	11200.00	Peak	٧	107	286	-68.17	8.67	0.00	47.50	73.98	-26.48
	16800.00	Peak	V	-	-	-64.57	9.37	0.00	51.80	68.20	-16.40
*	22400.00	Average	V	-	-	-81.22	3.82	-9.54	20.06	53.98	-33.92
*	22400.00	Peak	V	-	-	-73.92	3.82	-9.54	27.36	73.98	-46.62
	28000.00	Peak	V	-	-	-73.69	5.43	-9.54	29.20	68.20	-39.00

**Table 7-32. Radiated Measurements MIMO** 

FCC ID: A3LSMS911U		Approved by: Technical Manager		
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Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5720MHz

Channel: 144

	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]
*	11440.00	Average	<b>V</b>	131	225	-74.91	12.77	0.00	44.86	53.98	-9.11
*	11440.00	Peak	٧	131	225	-58.67	12.77	0.00	61.10	73.98	-12.87
	17160.00	Peak	V	-	-	-63.42	16.63	0.00	60.21	68.20	-7.99
*	22880.00	Average	V	-	-	-81.23	3.82	-9.54	20.05	53.98	-33.93
*	22880.00	Peak	V	-	-	-73.99	3.82	-9.54	27.29	73.98	-46.69
	28600.00	Peak	V	-	-	-73.61	5.43	-9.54	29.28	68.20	-38.92

Table 7-33. Radiated Measurements MIMO

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 3 Meters
Operating Frequency: 5600MHz

Channel: 120

	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]
*	11200.00	Average	>	164	73	-79.43	12.20	39.77	53.98	-14.21
*	11200.00	Peak	<b>V</b>	164	73	-66.26	12.20	52.94	73.98	-21.04
	16800.00	Peak	V	-	-	-69.52	17.91	55.39	68.20	-12.81

Table 7-34. Radiated Measurements MIMO with WCP

FCC ID: A3LSMS911U		MEASUREMENT REPORT (CERTIFICATION)			
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Channel:

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5745MHz

Channel: 149

	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]
*	11490.00	Average	>	ı	-	-82.85	14.11	0.00	38.26	53.98	-15.72
*	11490.00	Peak	٧	-	-	-71.70	14.11	0.00	49.41	73.98	-24.57
	17235.00	Peak	٧	-	-	-72.74	19.76	0.00	54.02	68.20	-14.18
*	22980.00	Average	٧	-	-	-86.16	3.76	-9.54	15.06	53.98	-38.92
*	22980.00	Peak	٧	-	-	-74.50	3.76	-9.54	26.72	73.98	-47.26
	28725.00	Peak	٧	-	-	-73.57	5.46	-9.54	29.35	68.20	-38.85

Table 7-35. Radiated Measurements MIMO

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5785MHz

157

	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]
*	11570.00	Average	V	102	210	-77.17	13.94	0.00	43.77	53.98	-10.21
*	11570.00	Peak	٧	102	210	-66.23	13.94	0.00	54.71	73.98	-19.27
	17355.00	Peak	٧	-	-	-73.42	20.47	0.00	54.05	68.20	-14.15
	23140.00	Peak	٧	-	-	-74.46	3.80	-9.54	26.79	68.20	-41.41
	28925.00	Peak	V	-	-	-73.61	5.51	-9.54	29.36	68.20	-38.84

Table 7-36. Radiated Measurements MIMO

FCC ID: A3LSMS911U		Approved by: Technical Manager		
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Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5825MHz

Channel: 165

	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]
*	11650.00	Average	V	-	-	-82.89	14.11	0.00	38.22	53.98	-15.76
*	11650.00	Peak	٧	-	-	-71.54	14.11	0.00	49.57	73.98	-24.41
	17475.00	Peak	V	-	-	-73.23	20.02	0.00	53.79	68.20	-14.41
	23300.00	Peak	٧	-	-	-74.75	3.74	-9.54	26.44	68.20	-41.76
	29125.00	Peak	V	-	-	-73.49	5.67	-9.54	29.63	68.20	-38.57

Table 7-37. Radiated Measurements MIMO

Worst Case Mode: 802.11a
Worst Case Transfer Rate: 6Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 5785MHz
Channel: 157

	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]
*	11570.00	Average	<b>\</b>	-	-	-77.95	8.50	37.55	53.98	-16.43
*	11570.00	Peak	٧	-	-	-66.10	8.50	49.40	73.98	-24.58
	17355.00	Peak	٧	-	-	-65.12	12.72	54.60	68.20	-13.60

Table 7-38. Radiated Measurements MIMO with WCP

FCC ID: A3LSMS911U		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5845MHz

Channel: 169

	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]
*	11690.00	Average	V	-	1	-71.65	9.31	0.00	44.66	53.98	-9.32
*	11690.00	Peak	V	-	-	-58.22	9.31	0.00	58.09	73.98	-15.89
	17535.00	Peak	V	-	-	-65.60	14.18	0.00	55.58	68.20	-12.62
	23380.00	Peak	V	-	-	-56.36	3.76	-9.54	54.40	68.20	-13.80
	29225.00	Peak	V	-	-	-55.56	5.66	-9.54	57.10	68.20	-11.10
	35070.00	Peak	V	-	-	-54.54	7.69	-9.54	60.15	68.20	-8.05

Table 7-39. Radiated Measurements MIMO

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5865MHz

Channel: 173

	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]
*	11730.00	Average	V	107	225	-72.69	9.22	0.00	43.53	53.98	-10.45
*	11730.00	Peak	V	107	225	-59.11	9.22	0.00	57.11	73.98	-16.87
	17595.00	Peak	V	-	-	-65.90	14.38	0.00	55.48	68.20	-12.72
	23460.00	Peak	V	-	-	-55.44	3.76	-9.54	55.32	68.20	-12.88
	29325.00	Peak	V	-	-	-56.02	5.90	-9.54	56.88	68.20	-11.32
	35190.00	Peak	V	-	-	-54.55	7.78	-9.54	60.23	68.20	-7.97

Table 7-40. Radiated Measurements MIMO

FCC ID: A3LSMS911U		Approved by: Technical Manager	
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Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5885MHz

Channel: 177

	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]
*	11770.00	Average	V	-	-	-74.18	10.00	0.00	42.82	53.98	-11.16
*	11770.00	Peak	V	-	-	-60.80	10.00	0.00	56.20	73.98	-17.78
	17655.00	Peak	V	-	-	-65.28	14.79	0.00	56.51	68.20	-11.69
	23540.00	Peak	V	-	-	-56.51	3.80	-9.54	54.29	68.20	-13.91
	29425.00	Peak	V	-	-	-55.88	5.83	-9.54	56.95	68.20	-11.25
	35310.00	Peak	V	-	-	-54.13	7.90	-9.54	60.77	68.20	-7.43

Table 7-41. Radiated Measurements MIMO

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 3 Meters
Operating Frequency: 5865MHz

Channel: 173

	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]
*	11730.00	Average	V	107	225	-72.69	9.22	43.53	53.98	-10.45
*	11730.00	Peak	V	107	225	-59.11	9.22	57.11	73.98	-16.87
	17595.00	Peak	V	-	-	-65.90	14.38	55.48	68.20	-12.72

Table 7-42. Radiated Measurements MIMO with WCP

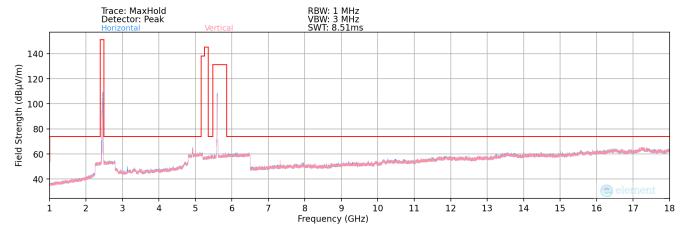
FCC ID: A3LSMS911U		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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# 7.6.2 Simultaneous Tx Radiated Spurious Emissions Measurements §15.407(b) §15.205 & §15.209; RSS-Gen [8.9]

Description	2.4 GHz Emission	5 GHz Emission
Antenna	1, 2	1, 2
Channel	11	120
Operating Frequency (MHz)	2462	5600
Data Rate (Mbps)	1Mbps	6Mbps
Mode	802.11b	802.11a

Table 7-43. Simultaneous Transmission Config-1



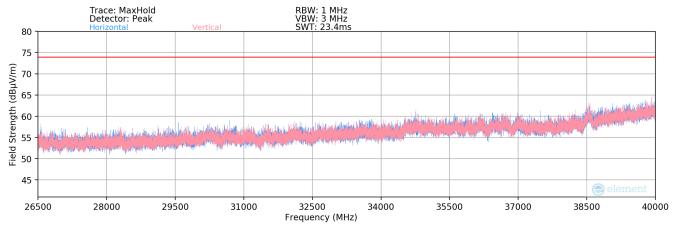
Plot 7-355. Radiated Spurious Plot above 1GHz (2.4GHz - 5GHz)



Plot 7-356. Radiated Spurious Plot 18GHz - 26.5GHz (2.4GHz - 5GHz)

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Plot 7-357. Radiated Spurious Plot above 26.5GHz (2.4GHz - 5GHz)

	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]
*	3814.00	Avg	<b>V</b>	ı	-	-83.87	8.17	0.00	31.30	53.98	-22.68
*	3814.00	Peak	<b>V</b>	ı	-	-70.77	8.17	0.00	44.40	73.98	-29.58
	6952.00	Peak	٧	-	-	-71.58	14.86	0.00	50.28	68.20	-17.92
	8738.00	Peak	٧	1	-	-67.93	17.71	0.00	56.78	68.20	-11.42
*	11876.00	Avg	<b>V</b>	-	-	-89.77	23.55	0.00	40.78	53.98	-13.20
*	11876.00	Peak	٧	1	-	-75.20	23.55	0.00	55.35	73.98	-18.63
*	18152.00	Avg	٧	-	-	-64.15	1.37	-9.54	34.67	53.98	-19.31
*	18152.00	Peak	V	-	-	-54.26	1.37	-9.54	44.57	73.98	-29.41

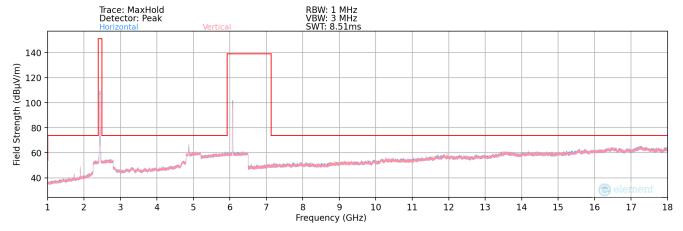
Table 7-44. Radiated Measurements (2.4GHz - 5GHz)

FCC ID: A3LSMS911U		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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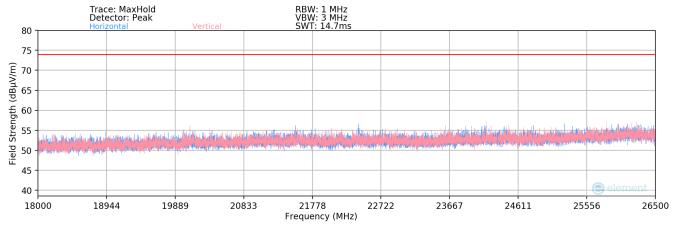


Description	2.4 GHz Emission	6 GHz Emission
Antenna	1, 2	1, 2
Channel	6	25
Operating Frequency (MHz)	2437	6075
Data Rate (Mbps)	1Mbps	6Mbps
Mode	802.11b	802.11a

Table 7-45. Simultaneous Transmission Config-2



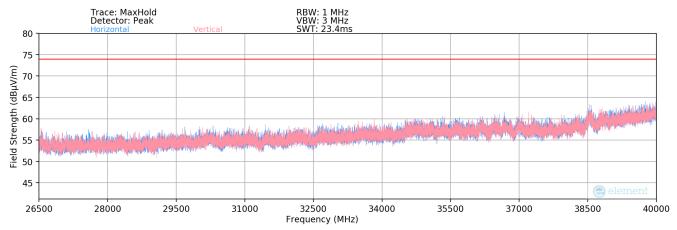
Plot 7-358. Radiated Spurious Plot above 1GHz (6GHz – 2.4 GHz)



Plot 7-359. Radiated Spurious Plot 18GHz - 26.5GHz (6GHz - 2.4 GHz)

FCC ID: A3LSMS911U		MEASUREMENT REPORT (CERTIFICATION)		
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Plot 7-360. Radiated Spurious Plot above 26.5GHz (6GHz - 2.4 GHz)

	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]
*	1201.00	Avg	Н	-	-	-70.52	-2.06	0.00	34.42	53.98	-19.56
*	1201.00	Peak	Н	-	-	-55.76	-2.06	0.00	49.18	73.98	-24.80
*	4839.00	Avg	Н	105	152	-80.02	19.99	0.00	46.97	53.98	-7.01
*	4839.00	Peak	Н	105	152	-68.27	19.99	0.00	58.72	73.98	-15.26
*	8477.00	Avg	Н	-	-	-84.11	16.34	0.00	39.23	53.98	-14.75
*	8477.00	Peak	Н	-	-	-71.01	16.34	0.00	52.33	73.98	-21.65
	9713.00	Peak	Н	-	-	-71.61	19.43	0.00	54.82	68.20	-13.38
*	20627.00	Avg	Н	-	-	-65.46	3.28	-9.54	35.27	53.98	-18.71
*	20627.00	Peak	Н	-	-	-55.10	3.28	-9.54	45.64	73.98	-28.34

Table 7-46. Radiated Measurements (6GHz - 2.4GHz)

FCC ID: A3LSMS911U		MEASUREMENT REPORT (CERTIFICATION)		
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## 7.6.3 MIMO Radiated Band Edge Measurements (20MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

Worst Case Mode:

Worst Case Transfer Rate:

Distance of Measurements:

Operating Frequency:

Channel:

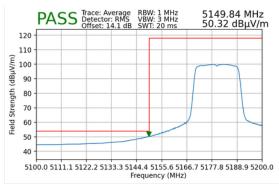
802.11ax

MCS0

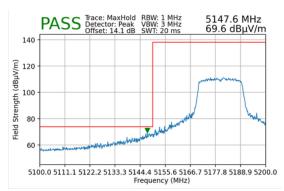
3 Meters

5180MHz

36



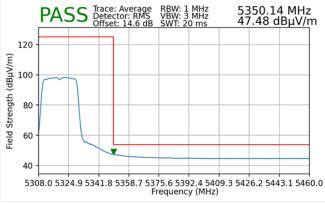
Plot 7-361. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1)



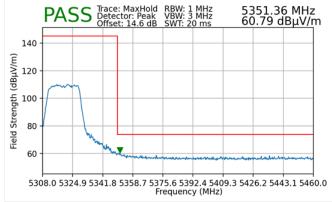
Plot 7-362. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1)

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

802.11ax
MCS0
3 Meters
5320MHz
64



Plot 7-363. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A)



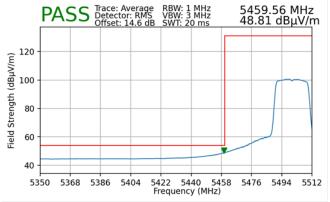
Plot 7-364. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A)

FCC ID: A3LSMS911U		MEASUREMENT REPORT (CERTIFICATION)		
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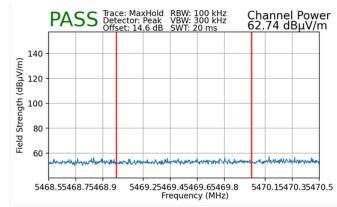


Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

802.11ax
MCS0
3 Meters
5500MHz
100



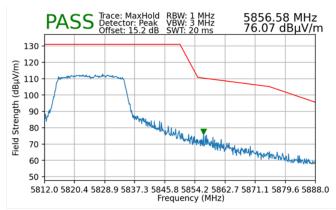
Plot 7-365. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C)



Plot 7-366. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C)

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

802.11ax
MCS0
3 Meters
5825MHz
165



Plot 7-367. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3)

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

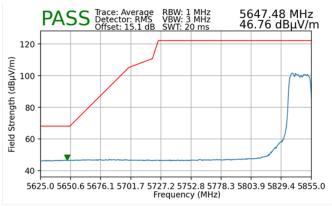
802.11ac

MCS0

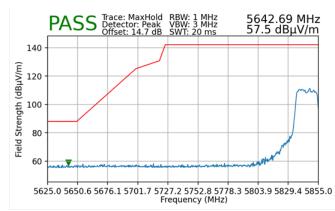
3 Meters

5845MHz

169



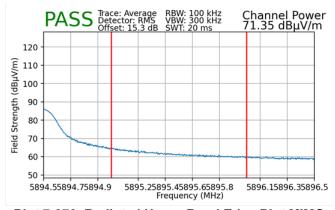
Plot 7-368. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 4)



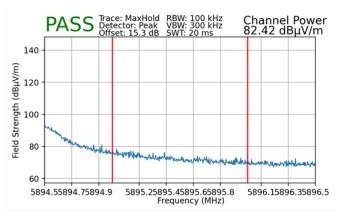
Plot 7-369. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4)

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

802.11ax
MCS0
3 Meters
5885MHz
177



Plot 7-370. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 4)



Plot 7-371. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 4)

FCC ID: A3LSMS911U		MEASUREMENT REPORT (CERTIFICATION)		
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Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

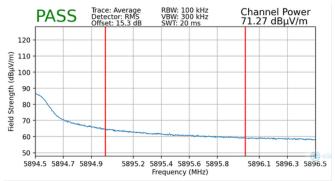
802.11ax

MCS0

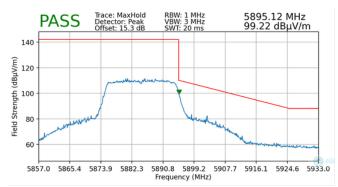
3 Meters

5885MHz

177



Plot 7-372. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 4) with WCP



Plot 7-373. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 4) with WCP

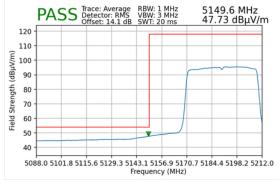
FCC ID: A3LSMS911U		MEASUREMENT REPORT (CERTIFICATION)	
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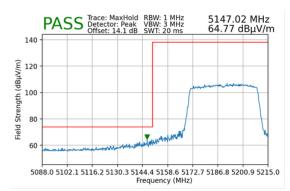
## 7.6.4 MIMO Radiated Band Edge Measurements (40MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

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

802.11ax
MCS0
3 Meters
5190MHz
38

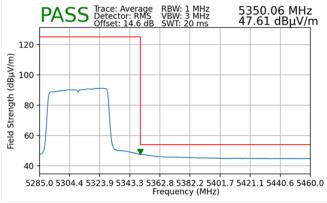


Plot 7-374. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1)

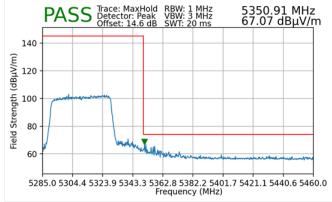


Plot 7-375. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1)

Worst Case Mode: 802.11ax
Worst Case Transfer Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 5310MHz
Channel: 62



Plot 7-376. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A)



Plot 7-377. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A)

FCC ID: A3LSMS911U		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
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Worst Case Mode:

Worst Case Transfer Rate:

Distance of Measurements:
Operating Frequency:

Channel:

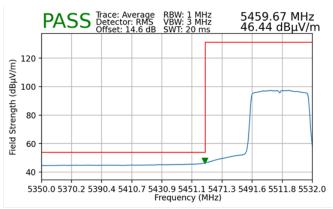
802.11ax

MCS0

3 Meters

5510MHz

102



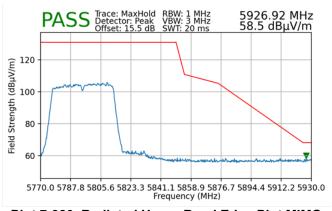
Plot 7-378. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C)

PASS Trace: MaxHold Detector: Peak Offset: 14.6 dB SW: 100 kHz BW: 300 kHz SWT: 20 ms 58.34 dBμV/m 58.34 dBμV/m 58.34 dBμV/m 58.34 dBμV/m 5468.55468.75468.9 5469.25469.45469.65469.8 5470.15470.35470.5

Plot 7-379. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C)

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

802.11ac
MCS0
3 Meters
5795MHz
159



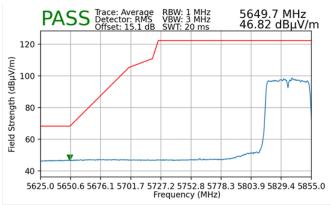
Plot 7-380. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3)

FCC ID: A3LSMS911U		MEASUREMENT REPORT (CERTIFICATION)	
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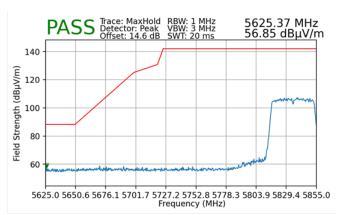


Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

802.11ac
MCS0
3 Meters
5835MHz
167

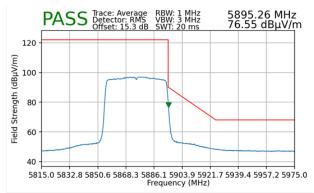


Plot 7-381. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 4)

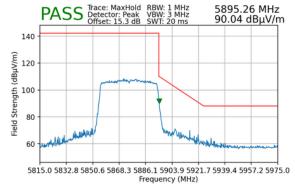


Plot 7-382. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4)

Worst Case Mode: 802.11ax
Worst Case Transfer Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 5875MHz
Channel: 175



Plot 7-383. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 4)



Plot 7-384. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 4)

FCC ID: A3LSMS911U		MEASUREMENT REPORT (CERTIFICATION)		
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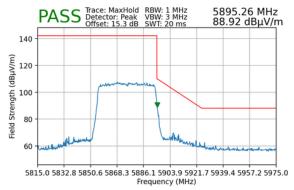


Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

802.11ax
MCS0
3 Meters
5875MHz
175



Plot 7-385. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 4) with WCP



Plot 7-386. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 4) with WCP

FCC ID: A3LSMS911U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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### 7.6.5 MIMO Radiated Band Edge Measurements (80MHz BW)

§15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

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

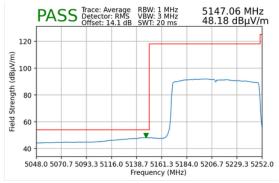
802.11ax

MCS0

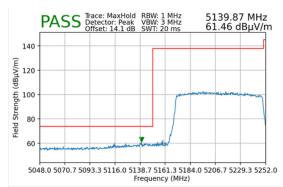
3 Meters

5210MHz

42

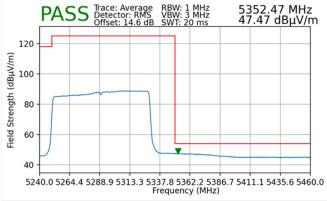


Plot 7-387. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1)

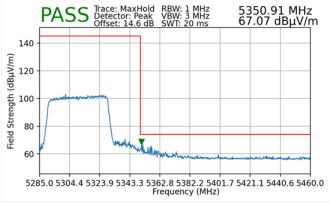


Plot 7-388. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	5290MHz
Channel:	58



Plot 7-389. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A)



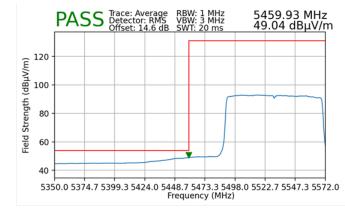
Plot 7-390. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A)

FCC ID: A3LSMS911U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
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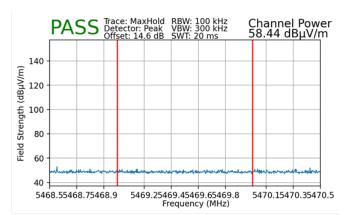


Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

802.11ax
MCS0
3 Meters
5530MHz
106



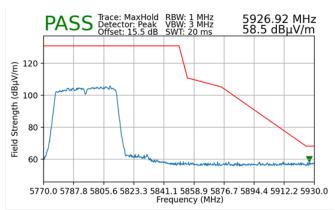
Plot 7-391. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C)



Plot 7-392. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C)

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

802.11ax
MCS0
3 Meters
5775MHz
155



Plot 7-393. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 3)

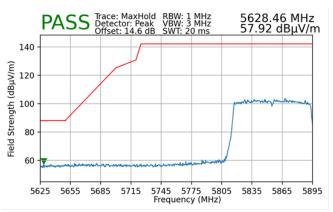
FCC ID: A3LSMS911U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager	
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Worst Case Mode: 802.11ax
Worst Case Transfer Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 5855MHz
Channel: 171

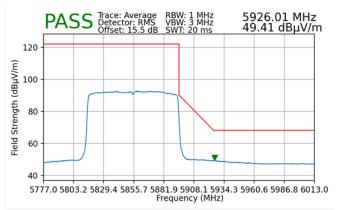
	PASS	Trace: Aver Detector: F Offset: 15.	age RB RMS VB 1 dB SW	W: 1 MHz W: 3 MHz T: 20 ms	565 46.8	0.1 MH 84 dBμ	lz V/m
120							
л/Vцар						~~~~	_
ength (						<u>'</u>	
Field Strength (dBμV/m)							
40	<b>V</b>	ECOE - E711	5745	5335 50	25 5025	5005	5005
50	525 5655	5685 5715		5775 58 ency (MHz)	05 5835	5 5865	5895

Plot 7-394. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 4)

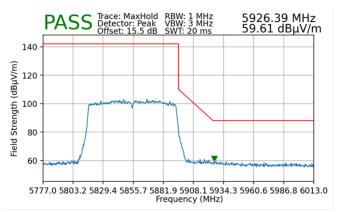


Plot 7-395. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4)

Worst Case Mode: 802.11ac
Worst Case Transfer Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 5855MHz
Channel: 171



Plot 7-396. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 4)



Plot 7-397. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 4)

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

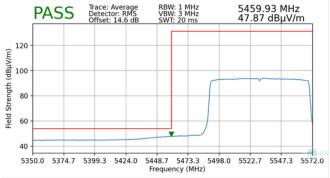
802.11ax

MCS0

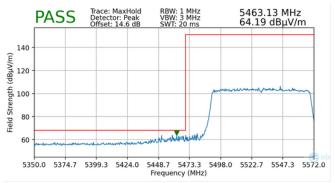
3 Meters

5530MHz

106



Plot 7-398. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C) with WCP



Plot 7-399. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C) with WCP

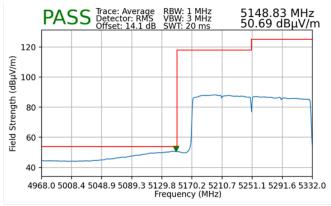
FCC ID: A3LSMS911U	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager	
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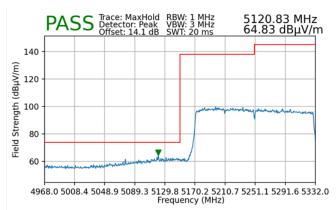
### 7.6.6 MIMO Radiated Band Edge Measurements (160MHz BW)

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

802.11ax
MCS0
3 Meters
5250MHz
50



Plot 7-400. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 1)



Plot 7-401. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 1)

Worst Case Mode:

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

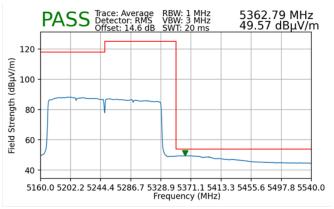
802.11ax

MCS0

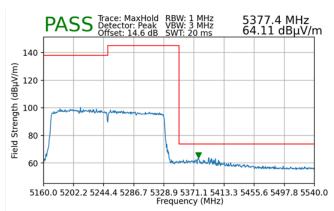
3 Meters

5250MHz

50



Plot 7-402. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 2A)



Plot 7-403. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 2A)

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Worst Case Mode:

Worst Case Transfer Rate:

Distance of Measurements:
Operating Frequency:

Channel:

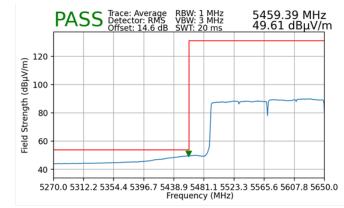
802.11ax

MCS0

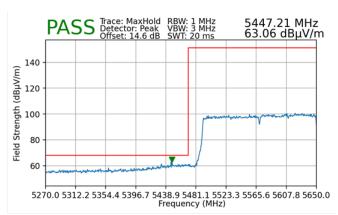
3 Meters

5570MHz

114



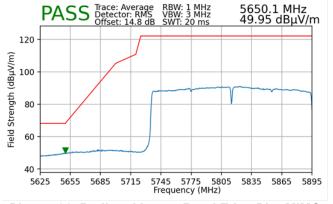
Plot 7-404. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 2C)



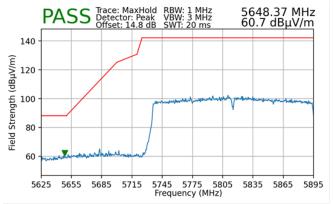
Plot 7-405. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 2C)

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

802.11ax
MCS0
3 Meters
5815MHz
163



Plot 7-406. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 4)



Plot 7-407. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 4)

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