Peak Field Strength Measurements

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.

Test Settings – Below 1GHz

Quasi-Peak Field Strength Measurements

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

Test Setup

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

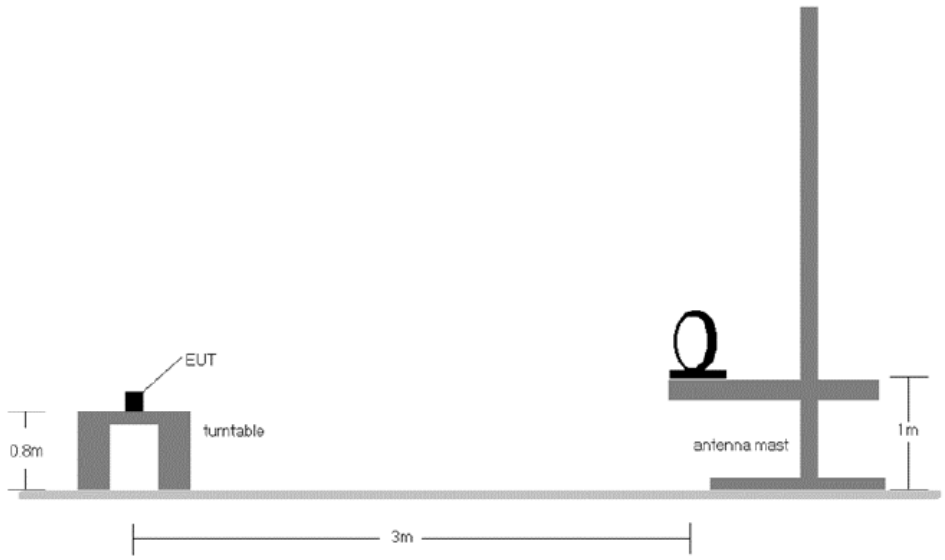


Figure 7-6. Radiated Test Setup < 30MHz

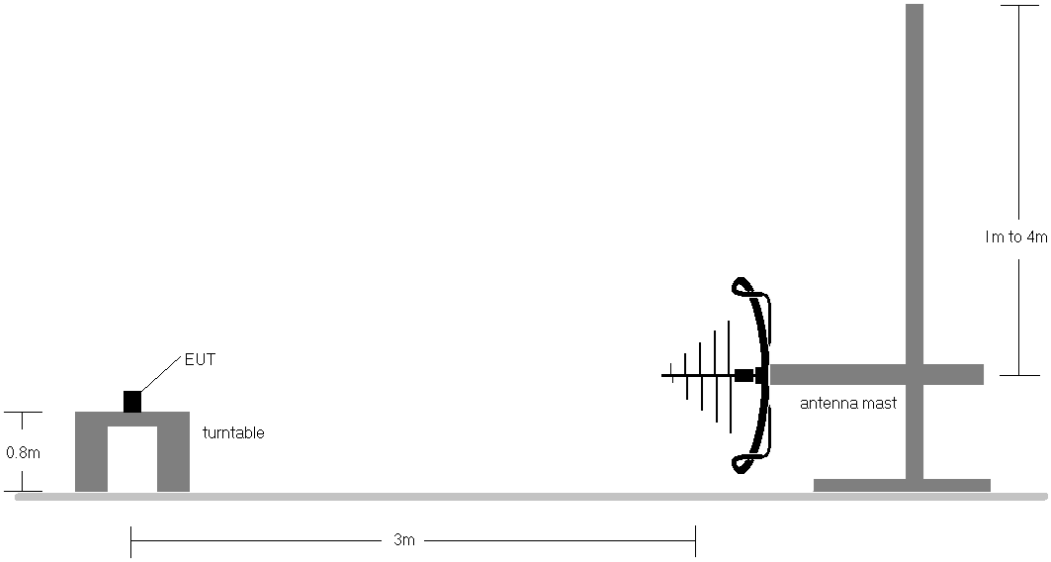


Figure 7-7. Radiated Test Setup < 1GHz

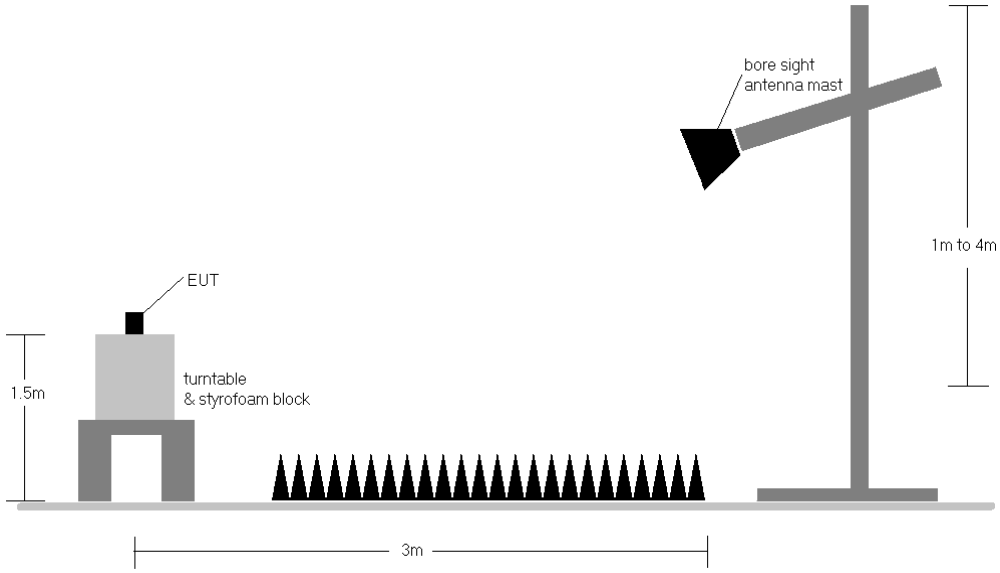


Figure 7-8. Radiated Test Setup > 1GHz

Test Notes

1. All spurious emissions lying in restricted bands specified in §15.205 are below the limits specified in §15.209. All spurious emissions that do not lie in a restricted band are subject to an average limit of -27dBm/MHz. At 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.
2. All spurious emissions that do not lie in a restricted band are subject to a peak limit not to exceed 20dB of the average limit [68.2dBμV/m]. If a peak measurement passes the average limit, it was determined no further investigation is necessary.
3. The antenna is manipulated through typical positions, polarity, and length during the tests. The EUT is manipulated through three orthogonal planes.
4. This unit was tested with its standard battery.
5. The spectrum is measured from 9kHz to the 10th harmonic 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. 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. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
8. In the case where a peak-detector measurement passed the given RMS limit it was determined sufficient to demonstrate compliance.
9. The results recorded using the broadband antenna are known to correlate with the results obtained by using a tuned dipole with an acceptable degree of accuracy. The VSWR for the measurement antenna was found to be less than 2:1.

Sample Calculations

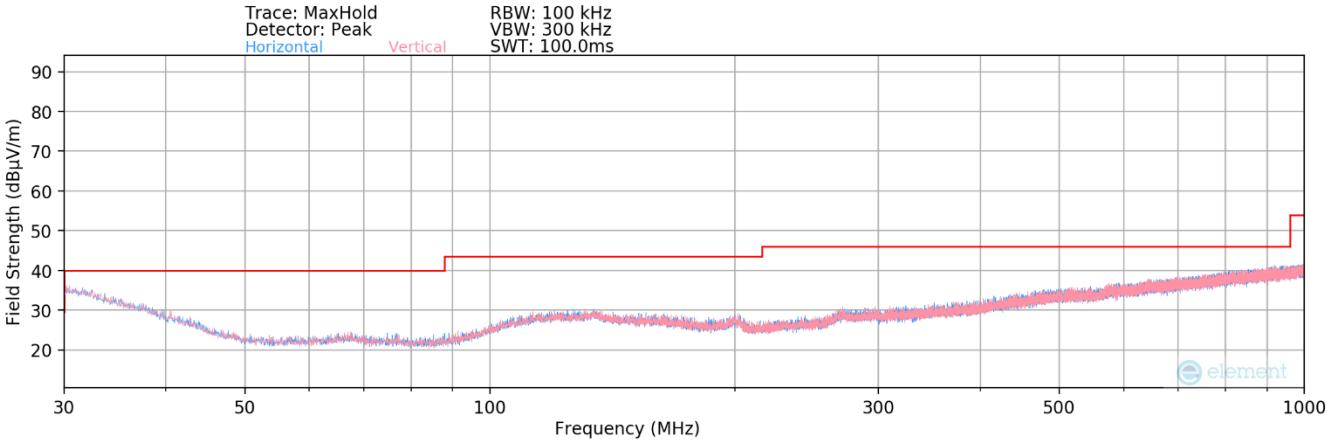
Determining Spurious Emissions Levels

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

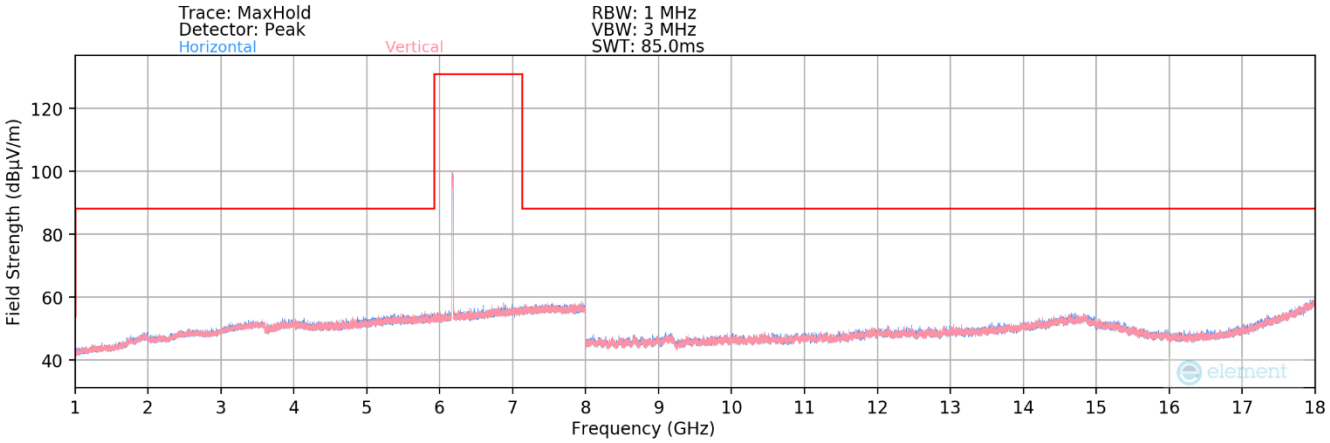
Radiated Band Edge Measurement Offset

The amplitude offset shown in the radiated restricted band edge plots was calculated using the formula:
Offset (dB) = (Antenna Factor + Cable Loss + Attenuator) – Preamplifier Gain

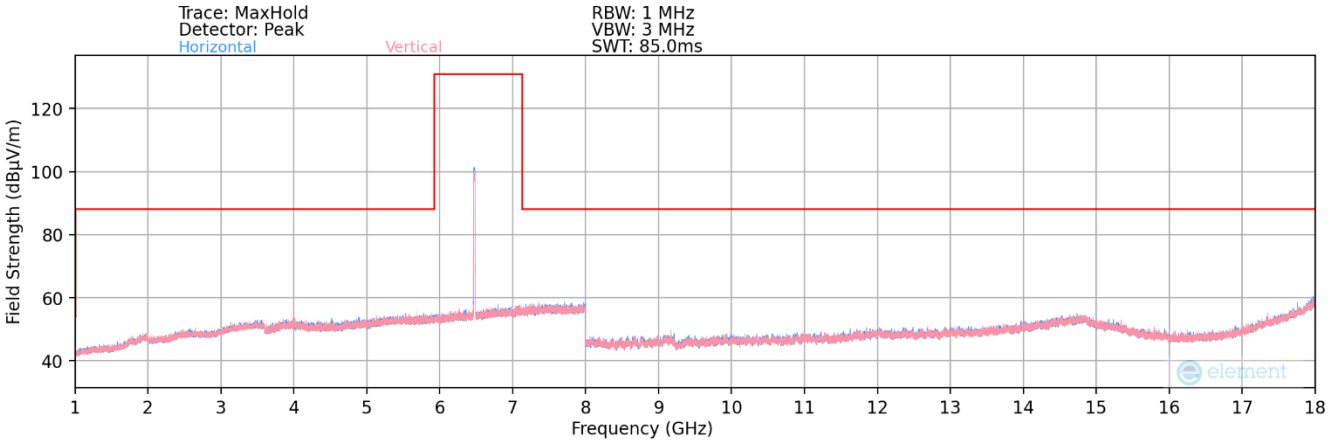
7.7.1 MIMO Radiated Spurious Emission Measurements



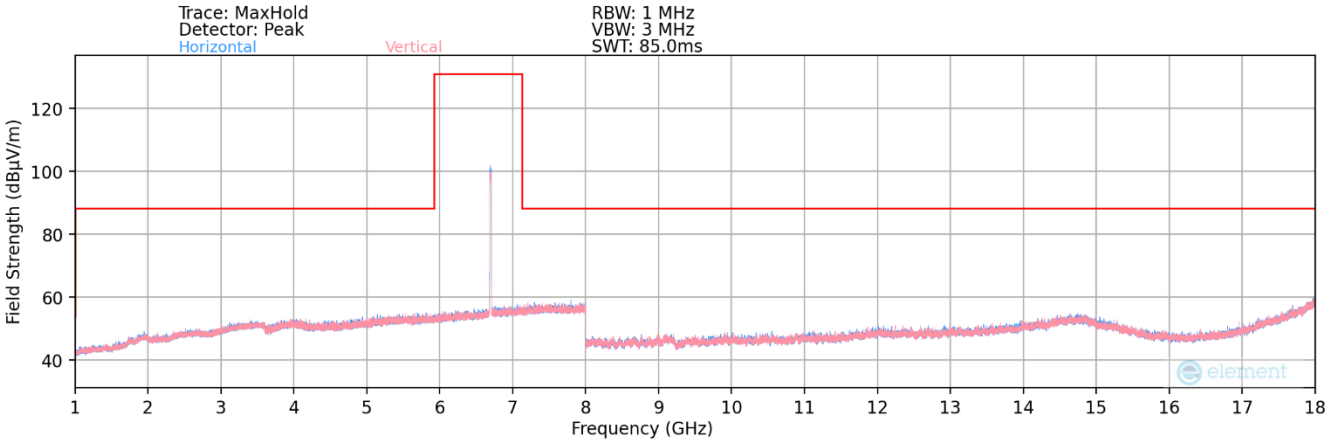
Plot 7-114. Radiated Spurious Plot below 1GHz MIMO (802.11ax)



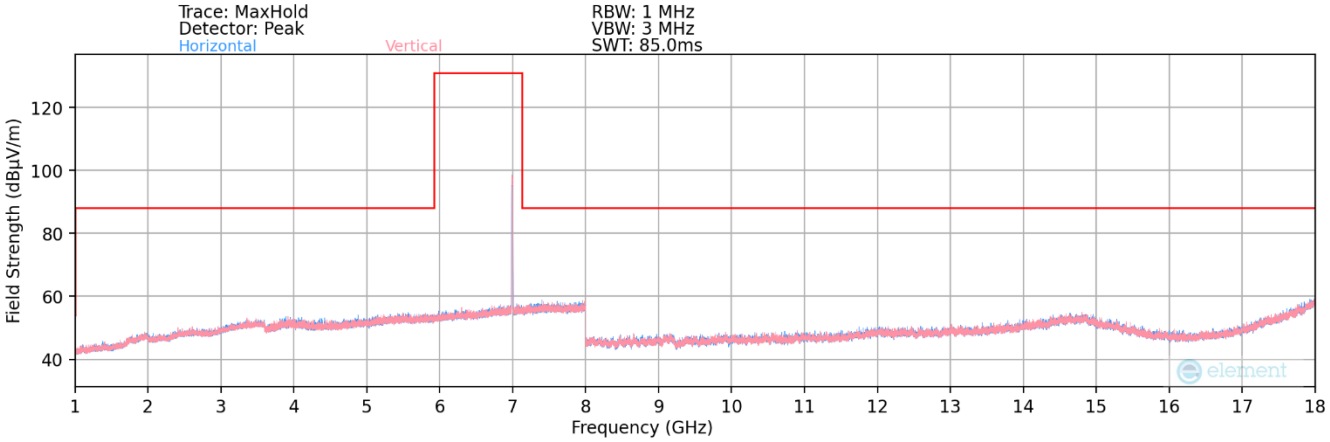
Plot 7-115. Radiated Spurious Plot 1GHz – 18GHz MIMO (802.11ax – UNII Band 5 Ch. 45)



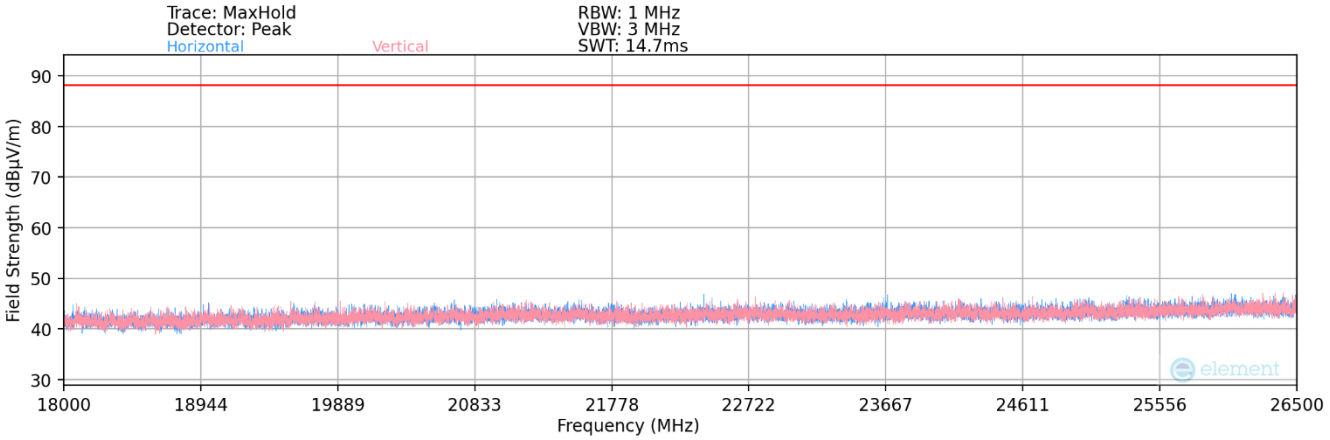
Plot 7-116. Radiated Spurious Plot 1GHz – 18GHz MIMO (802.11ax – UNII Band 6 Ch. 105)



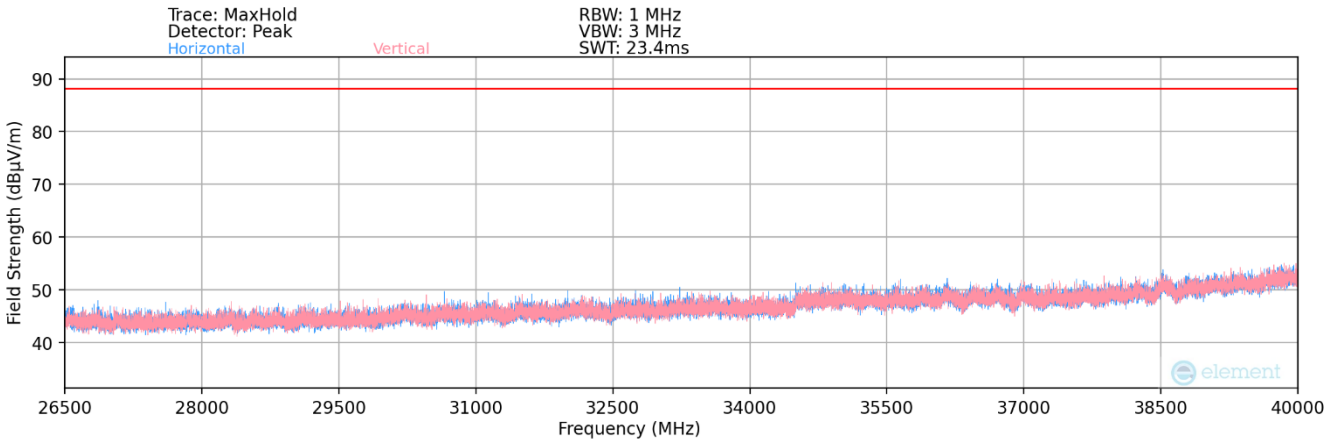
Plot 7-117. Radiated Spurious Plot 1GHz – 18GHz MIMO (802.11ax – UNII Band 7 Ch. 149)



Plot 7-118. Radiated Spurious Plot 1GHz – 18GHz MIMO (802.11ax – UNII Band 8 Ch. 209)



Plot 7-119. Radiated Spurious Plot 18GHz - 26.5GHz (802.11ax)



Plot 7-120. Radiated Spurious Plot 26.5GHz - 40GHz (802.11ax)

MIMO Radiated Spurious Emission Measurements – UNII Band 5

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	1 & 3 Meters
Operating Frequency:	5935MHz
Channel:	2

	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]
*	11870.00	Average	V	106	79	-76.29	9.32	0.00	40.03	53.98	-13.95
*	11870.00	Peak	V	106	79	-63.27	9.32	0.00	53.05	73.98	-20.93
*	17805.00	Average	V	-	-	-77.05	15.72	0.00	45.67	53.98	-8.31
*	17805.00	Peak	V	-	-	-64.88	15.72	0.00	57.84	73.98	-16.14
*	23740.00	Average	V	-	-	-65.01	3.96	-9.54	36.41	53.98	-17.57
*	23740.00	Peak	V	-	-	-55.13	3.96	-9.54	46.29	73.98	-27.69
	29675.00	Peak	V	-	-	-54.82	5.90	-9.54	48.55	68.20	-19.65

Table 7-13. Radiated Measurements MIMO

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	1 & 3 Meters
Operating Frequency:	6175MHz
Channel:	45

	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]
*	12350.00	Average	V	100	67	-77.18	9.60	0.00	39.42	53.98	-14.56
*	12350.00	Peak	V	100	67	-64.39	9.60	0.00	52.21	73.98	-21.77
*	18525.00	Average	V	-	-	-65.50	1.55	-9.54	33.51	53.98	-20.47
*	18525.00	Peak	V	-	-	-54.74	1.55	-9.54	44.27	73.98	-29.71
	24700.00	Peak	V	-	-	-56.08	4.20	-9.54	45.58	68.20	-22.62
	30875.00	Peak	V	-	-	-55.57	6.77	-9.54	48.66	68.20	-19.54

Table 7-14. Radiated Measurements MIMO

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	1 & 3 Meters
Operating Frequency:	6415MHz
Channel:	93

	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]
	12830.00	Peak	V	100	82	-65.94	9.64	0.00	50.70	68.20	-17.50
*	19245.00	Average	V	-	-	-65.75	2.35	-9.54	34.06	53.98	-19.92
*	19245.00	Peak	V	-	-	-55.23	2.35	-9.54	44.58	73.98	-29.40
	25660.00	Peak	V	-	-	-55.25	4.41	-9.54	46.61	68.20	-21.59
	32075.00	Peak	V	-	-	-55.64	7.43	-9.54	49.25	68.20	-18.95

Table 7-15. Radiated Measurements MIMO

MIMO Radiated Spurious Emission Measurements – UNII Band 6

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	1 & 3 Meters
Operating Frequency:	6435MHz
Channel:	97

	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]
	12870.00	Peak	V	102	73	-66.71	10.05	0.00	50.34	68.20	-17.86
*	19305.00	Average	V	-	-	-65.69	2.13	-9.54	33.90	53.98	-20.08
*	19305.00	Peak	V	-	-	-55.59	2.13	-9.54	44.00	73.98	-29.98
	25740.00	Peak	V	-	-	-55.36	4.51	-9.54	46.61	68.20	-21.59
	32175.00	Peak	V	-	-	-55.24	7.53	-9.54	49.74	68.20	-18.46

Table 7-16. Radiated Measurements MIMO

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	1 & 3 Meters
Operating Frequency:	6475MHz
Channel:	105

	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]
	12950.00	Peak	V	100	84	-65.87	10.12	0.00	51.25	68.20	-16.95
*	19425.00	Average	V	-	-	-65.78	2.22	-9.54	33.91	53.98	-20.07
*	19425.00	Peak	V	-	-	-54.39	2.22	-9.54	45.29	73.98	-28.69
	25900.00	Peak	V	-	-	-54.98	4.57	-9.54	47.06	68.20	-21.14
	32375.00	Peak	V	-	-	-55.62	7.29	-9.54	49.14	68.20	-19.06

Table 7-17. Radiated Measurements MIMO

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	1 & 3 Meters
Operating Frequency:	6515MHz
Channel:	113

	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]
	13030.00	Peak	V	101	77	-65.28	10.12	0.00	51.84	68.20	-16.36
*	19545.00	Average	V	-	-	-65.56	2.37	-9.54	34.28	53.98	-19.70
*	19545.00	Peak	V	-	-	-54.90	2.37	-9.54	44.94	73.98	-29.04
	26060.00	Peak	V	-	-	-55.30	4.80	-9.54	46.96	68.20	-21.24
	32575.00	Peak	V	-	-	-52.63	6.85	-9.54	51.69	68.20	-16.51

Table 7-18. Radiated Measurements MIMO

MIMO Radiated Spurious Emission Measurements – UNII Band 7

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	1 & 3 Meters
Operating Frequency:	6535MHz
Channel:	117

	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]
	13070.00	Peak	V	101	311	-65.24	10.15	0.00	51.91	68.20	-16.29
*	19605.00	Average	V	-	-	-65.51	2.64	-9.54	34.59	53.98	-19.39
*	19605.00	Peak	V	-	-	-53.74	2.64	-9.54	46.36	73.98	-27.62
	26140.00	Peak	V	-	-	-55.00	4.56	-9.54	47.01	68.20	-21.19
	32675.00	Peak	V	-	-	-54.52	7.03	-9.54	49.98	68.20	-18.22

Table 7-19. Radiated Measurements MIMO

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	1 & 3 Meters
Operating Frequency:	6695MHz
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]
*	13390.00	Average	V	101	302	-72.49	10.35	0.00	44.86	53.98	-9.12
*	13390.00	Peak	V	101	302	-64.34	10.35	0.00	53.01	73.98	-20.97
*	20085.00	Average	V	-	-	-65.76	3.01	-9.54	34.71	53.98	-19.27
*	20085.00	Peak	V	-	-	-54.58	3.01	-9.54	45.89	73.98	-28.09
	26780.00	Peak	V	-	-	-54.72	4.57	-9.54	47.31	68.20	-20.89
	33475.00	Peak	V	-	-	-55.03	7.57	-9.54	50.00	68.20	-18.20

Table 7-20. Radiated Measurements MIMO

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	1 & 3 Meters
Operating Frequency:	6875MHz
Channel:	185

	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]
	13750.00	Peak	V	100	303	-64.60	11.07	0.00	53.47	68.20	-14.73
*	20625.00	Average	V	-	-	-66.45	3.42	-9.54	34.44	53.98	-19.54
*	20625.00	Peak	V	-	-	-55.25	3.42	-9.54	45.63	73.98	-28.35
	27500.00	Peak	V	-	-	-55.18	4.54	-9.54	46.82	68.20	-21.38
	34375.00	Peak	V	-	-	-55.54	8.08	-9.54	50.00	68.20	-18.20

Table 7-21. Radiated Measurements MIMO

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	1 & 3 Meters
Operating Frequency:	6695MHz
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]
*	13390.00	Average	V	101	344	-76.35	10.35	0.00	41.00	53.98	-12.98
*	13390.00	Peak	V	101	344	-65.19	10.35	0.00	52.16	73.98	-21.82
*	20085.00	Average	V	-	-	-65.61	3.01	-9.54	34.86	53.98	-19.12
*	20085.00	Peak	V	-	-	-54.57	3.01	-9.54	45.90	73.98	-28.08
	26780.00	Peak	V	-	-	-56.04	4.57	-9.54	46.00	68.20	-22.20
	33475.00	Peak	V	-	-	-54.87	7.57	-9.54	50.16	68.20	-18.04

Table 7-22. Radiated Measurements MIMO with WCP

MIMO Radiated Spurious Emission Measurements – UNII Band 8

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	1 & 3 Meters
Operating Frequency:	6895MHz
Channel:	189

	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]
	13790.00	Peak	V	101	301	-63.47	11.00	0.00	54.53	68.20	-13.67
*	20685.00	Average	V	-	-	-65.84	3.67	-9.54	35.29	53.98	-18.69
*	20685.00	Peak	V	-	-	-56.10	3.67	-9.54	45.03	73.98	-28.95
	27580.00	Peak	V	-	-	-55.15	4.68	-9.54	47.00	68.20	-21.20
	34475.00	Peak	V	-	-	-53.69	7.83	-9.54	51.60	68.20	-16.60

Table 7-23. Radiated Measurements MIMO

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	1 & 3 Meters
Operating Frequency:	6995MHz
Channel:	209

	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]
	13990.00	Peak	V	100	298	-63.88	11.26	0.00	54.38	68.20	-13.82
*	20985.00	Average	V	-	-	-66.13	3.59	-9.54	34.92	53.98	-19.06
*	20985.00	Peak	V	-	-	-55.23	3.59	-9.54	45.82	73.98	-28.16
	27980.00	Peak	V	-	-	-55.30	5.05	-9.54	47.21	68.20	-20.99
	34975.00	Peak	V	-	-	-53.90	8.24	-9.54	51.80	68.20	-16.40

Table 7-24. Radiated Measurements MIMO

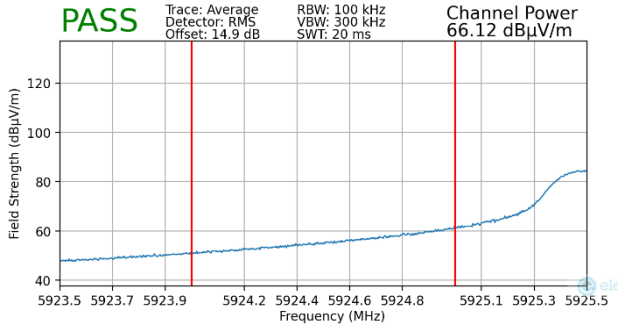
Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	1 & 3 Meters
Operating Frequency:	7115MHz
Channel:	233

	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]
	14230.00	Peak	V	100	298	-64.92	12.13	0.00	54.21	68.20	-13.99
*	21345.00	Average	V	-	-	-66.09	4.08	-9.54	35.45	53.98	-18.53
*	21345.00	Peak	V	-	-	-55.68	4.08	-9.54	45.86	73.98	-28.12
	28460.00	Peak	V	-	-	-56.00	5.14	-9.54	46.60	68.20	-21.60
	35575.00	Peak	V	-	-	-53.74	8.16	-9.54	51.89	68.20	-16.31

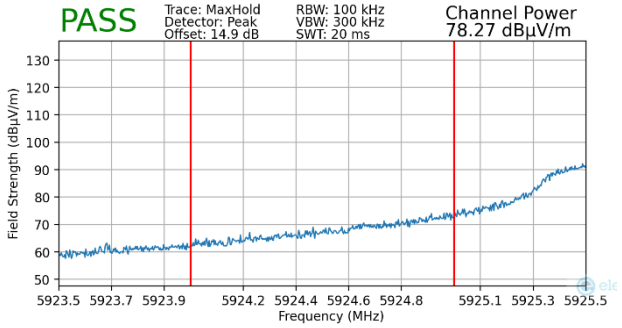
Table 7-25. Radiated Measurements MIMO

7.7.2 MIMO Radiated Band Edge Measurements (20MHz BW)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	5935MHz
Channel:	2

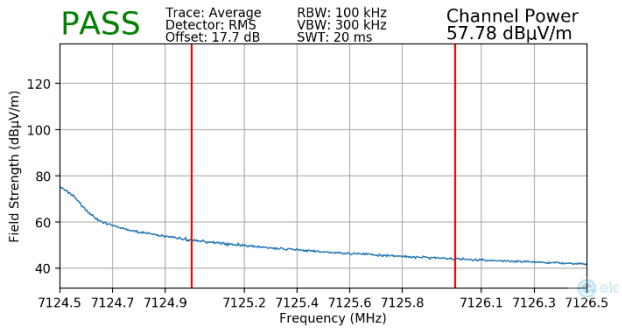


Plot 7-121. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 5)

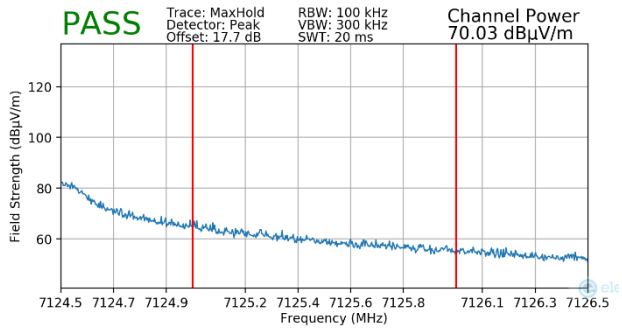


Plot 7-122. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 5)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	7115MHz
Channel:	233

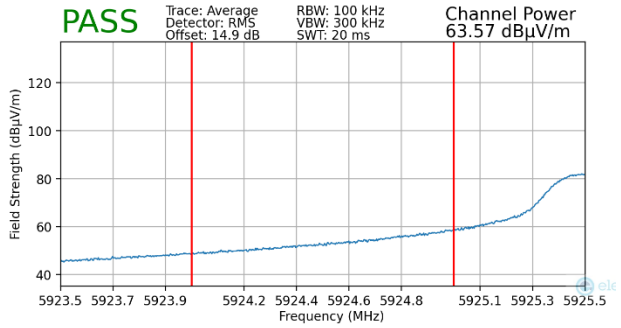


Plot 7-123. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 8)

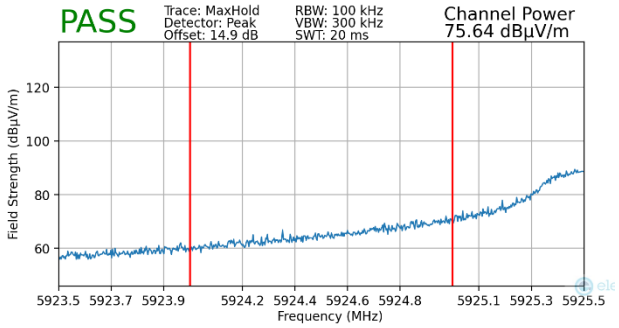


Plot 7-124. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 8)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	5935MHz
Channel:	2



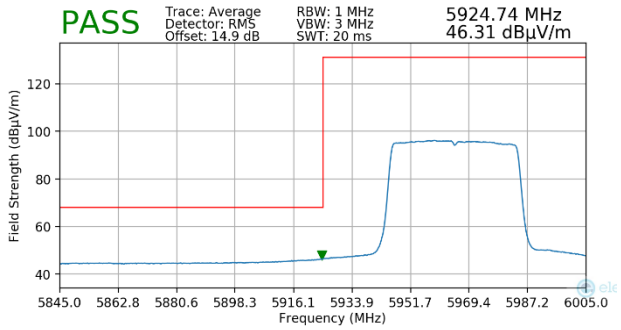
Plot 7-125. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 5) with WCP



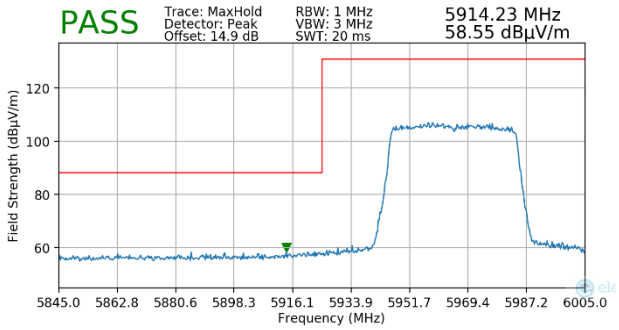
Plot 7-126. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 5) with WCP

7.7.3 MIMO Radiated Band Edge Measurements (40MHz BW)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	5965MHz
Channel:	3

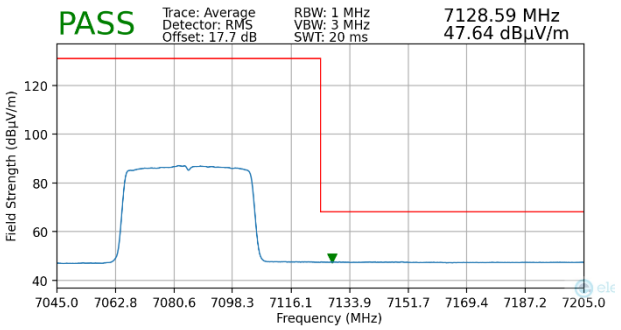


Plot 7-127. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 5)

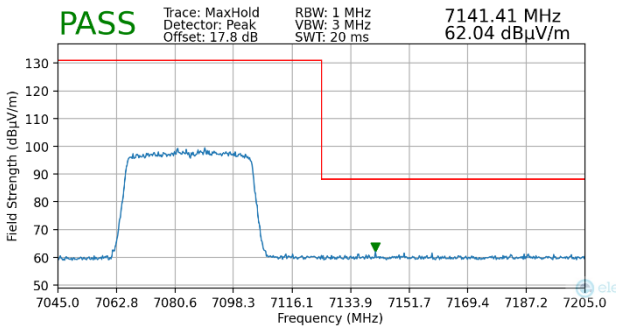


Plot 7-128. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 5)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	7085MHz
Channel:	227



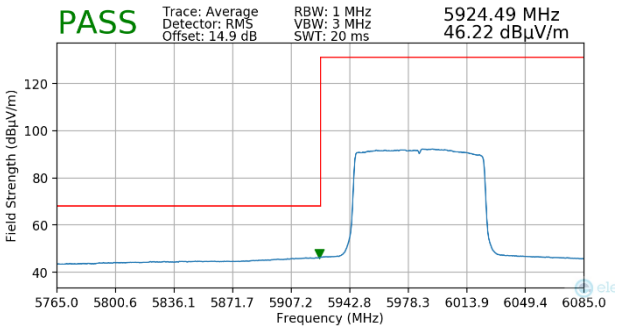
Plot 7-129. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 8)



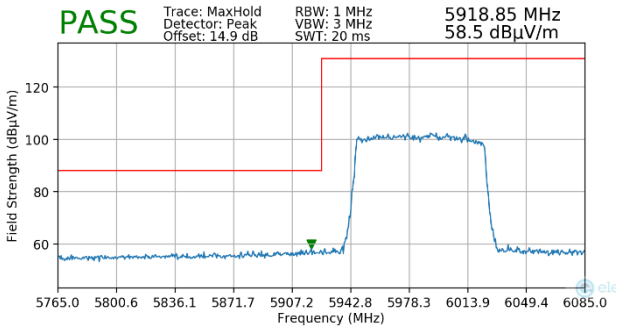
Plot 7-130. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 8)

7.7.4 MIMO Radiated Band Edge Measurements (80MHz BW)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	5985MHz
Channel:	7

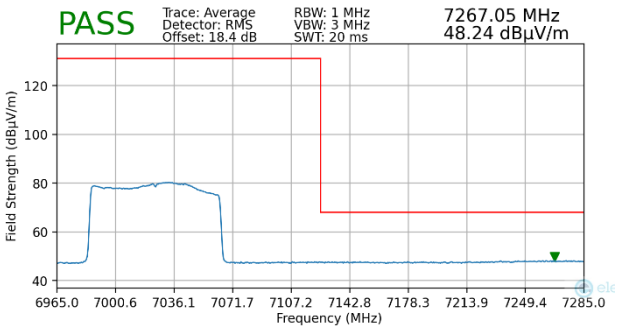


Plot 7-131. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 5)

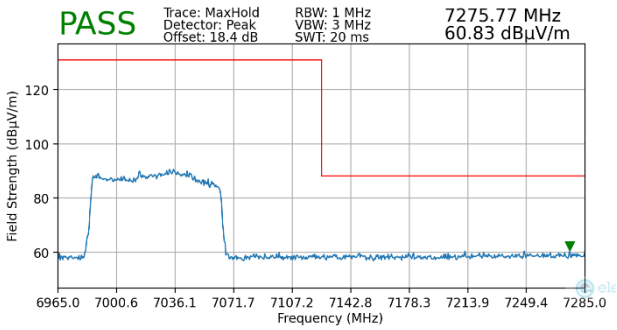


Plot 7-132. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 5)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	7025MHz
Channel:	215



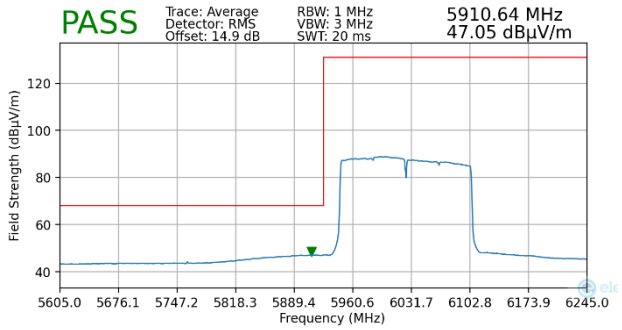
Plot 7-133. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 8)



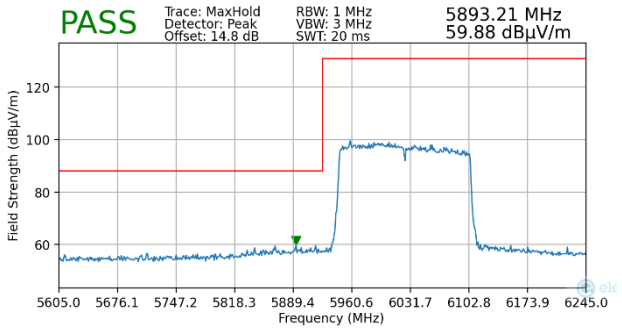
Plot 7-134. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 8)

7.7.5 MIMO Radiated Band Edge Measurements (160MHz BW)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	6025MHz
Channel:	15

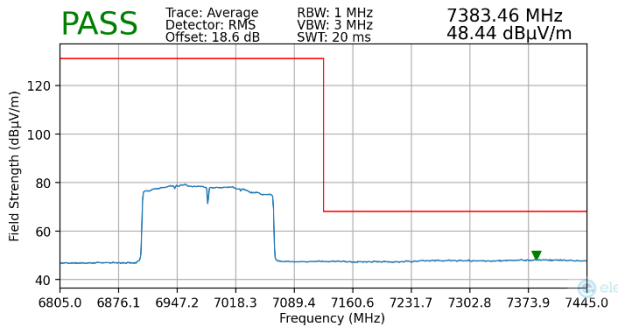


Plot 7-135. Radiated Lower Band Edge Plot MIMO (Average – UNII Band 5)

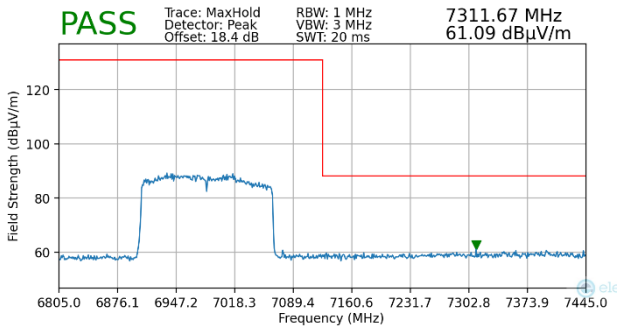


Plot 7-136. Radiated Lower Band Edge Plot MIMO (Peak – UNII Band 5)

Worst Case Mode:	802.11ax
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	6985MHz
Channel:	207



Plot 7-137. Radiated Upper Band Edge Plot MIMO (Average – UNII Band 8)



Plot 7-138. Radiated Upper Band Edge Plot MIMO (Peak – UNII Band 8)

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 Section 15.207.

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

Table 7-26. Conducted Limits

*Decreases with the logarithm of the frequency.

Test Procedures Used

ANSI C63.10-2013, Section 6.2

Test Settings

Quasi-Peak Field Strength Measurements

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

Average Field Strength Measurements

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

Test Setup

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

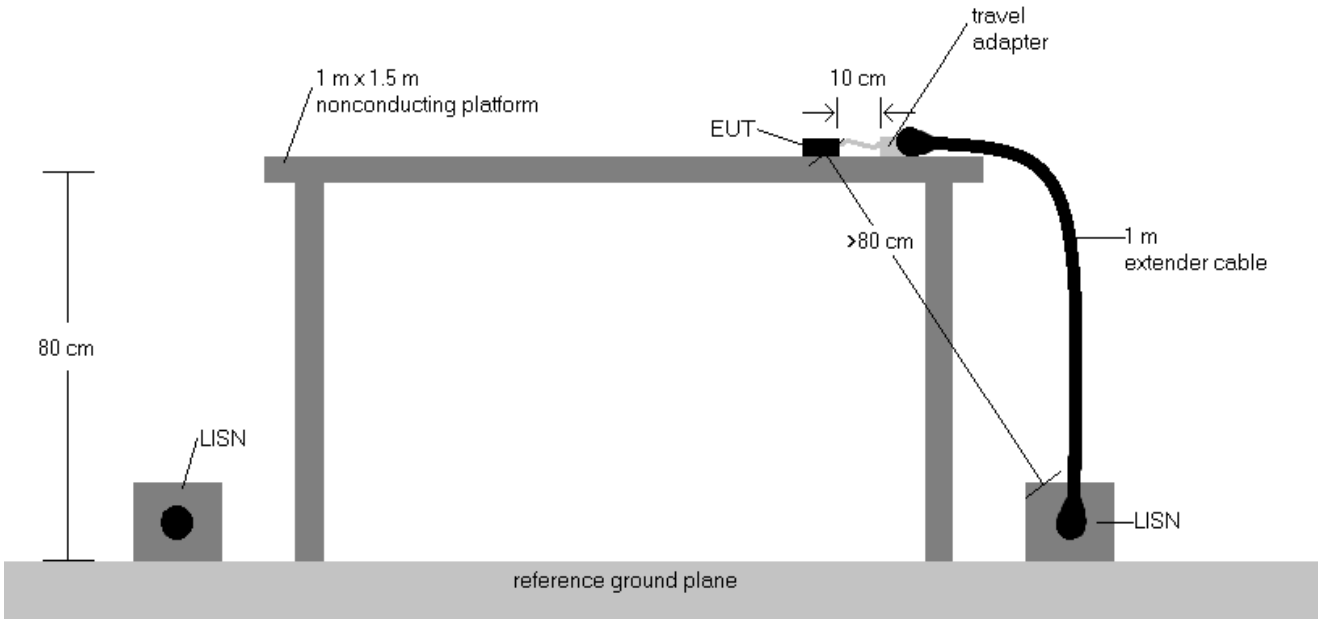
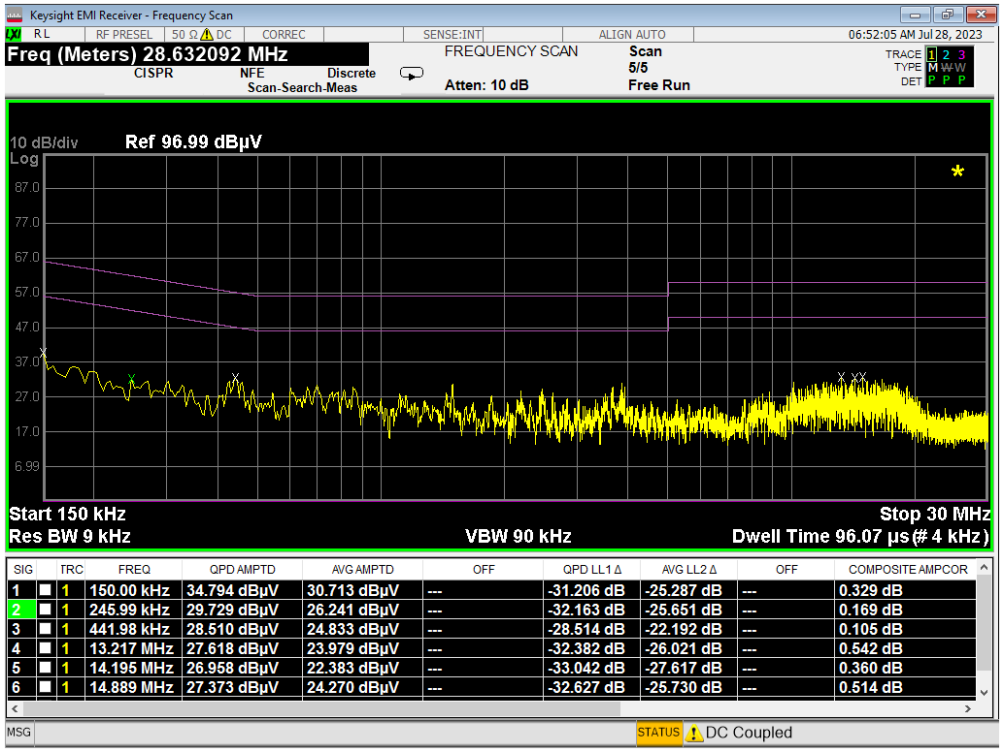


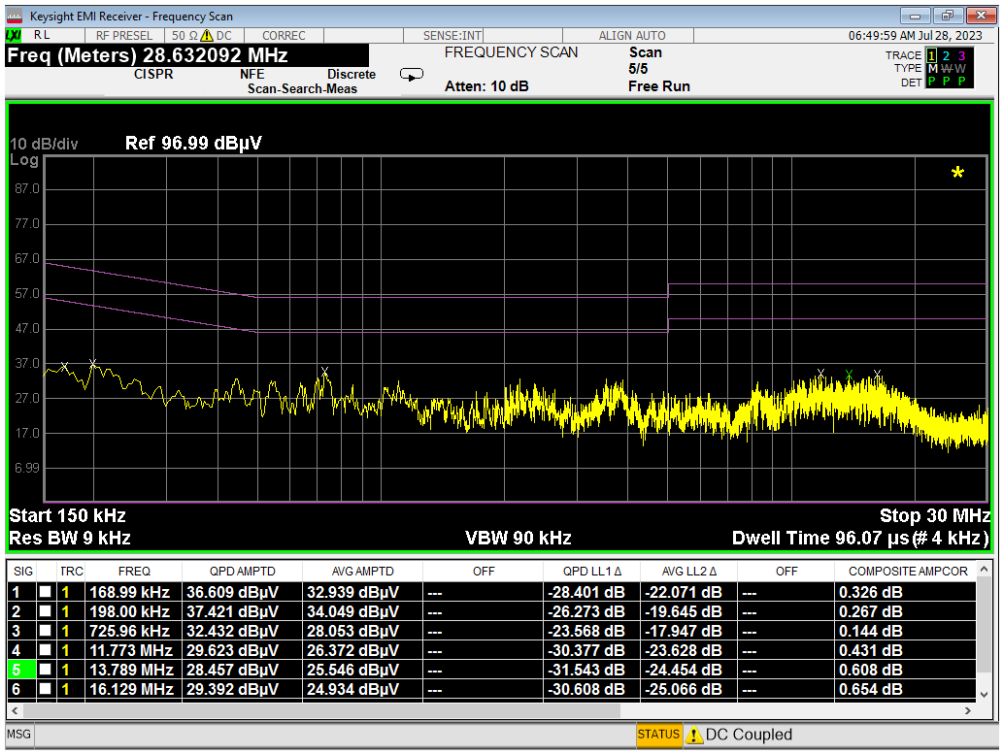
Figure 7-9. Test Instrument & Measurement Setup

Test Notes

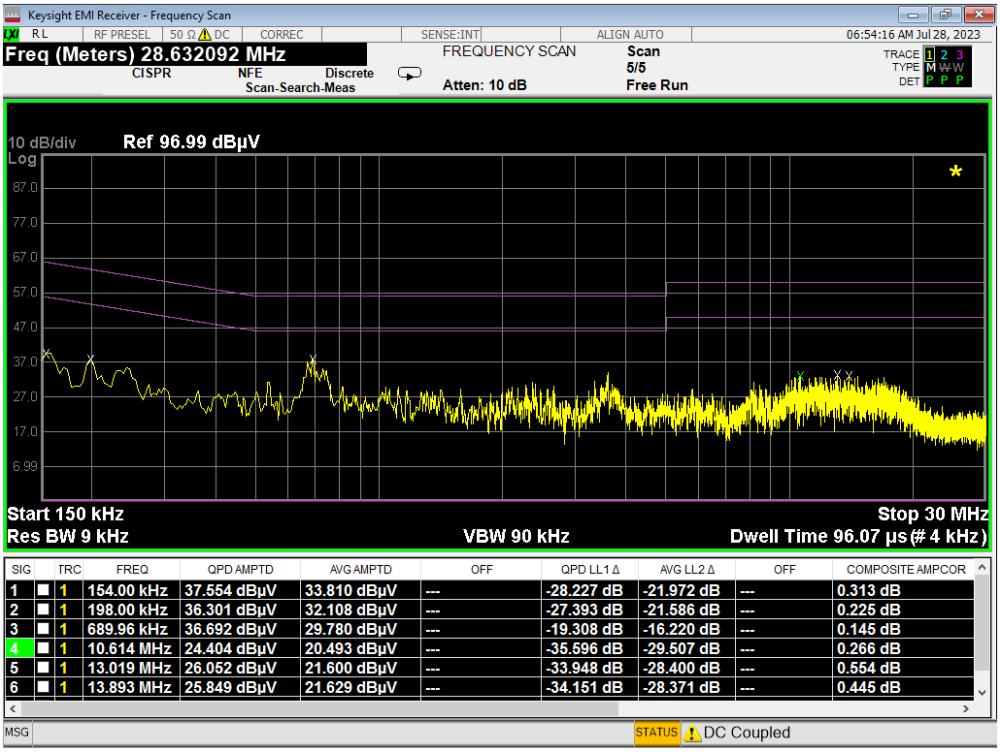
1. All modes of operation were investigated, and the worst-case emissions are reported using mid channel. The emissions found were not affected by the choice of channel used during testing.
2. The limit for an intentional radiator from 150kHz to 30MHz is specified in 15.207.
3. Corr. (dB) = Cable loss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



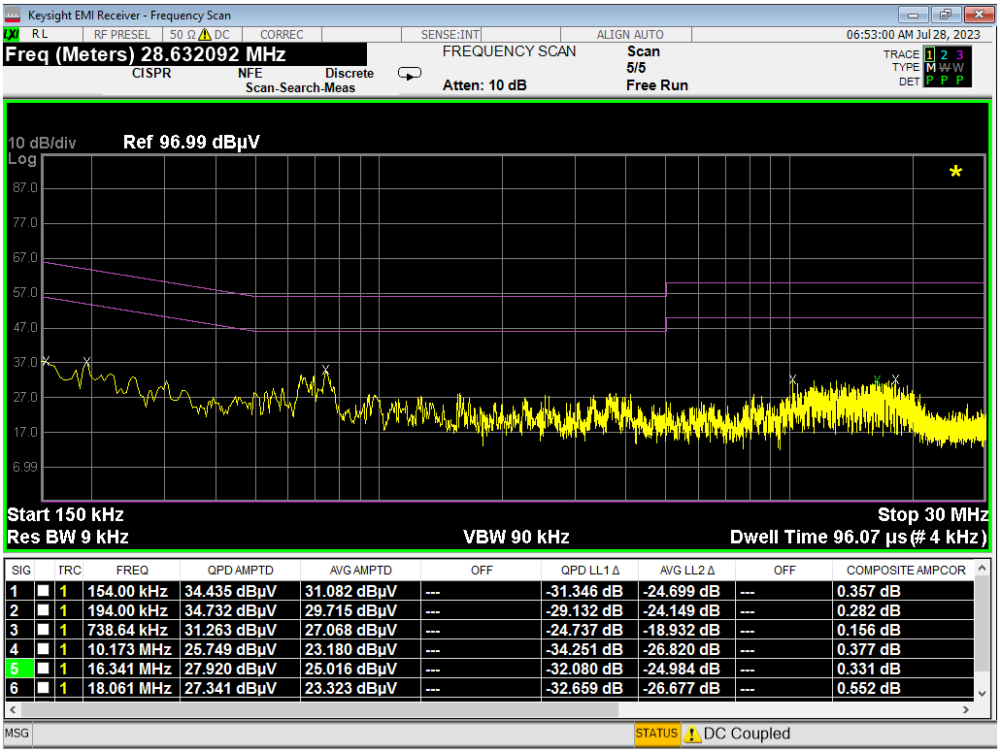
Plot 7-139. Line Conducted Plot with 802.11ax UNII Band 5 (L1)



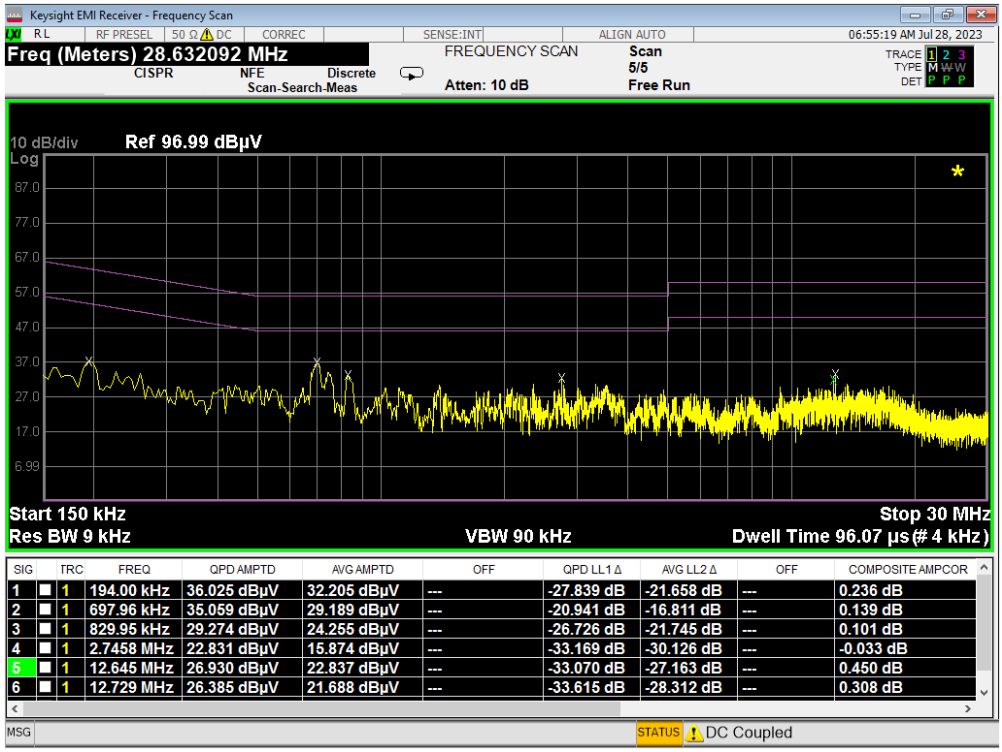
Plot 7-140. Line Conducted Plot with 802.11ax UNII Band 5 (N)



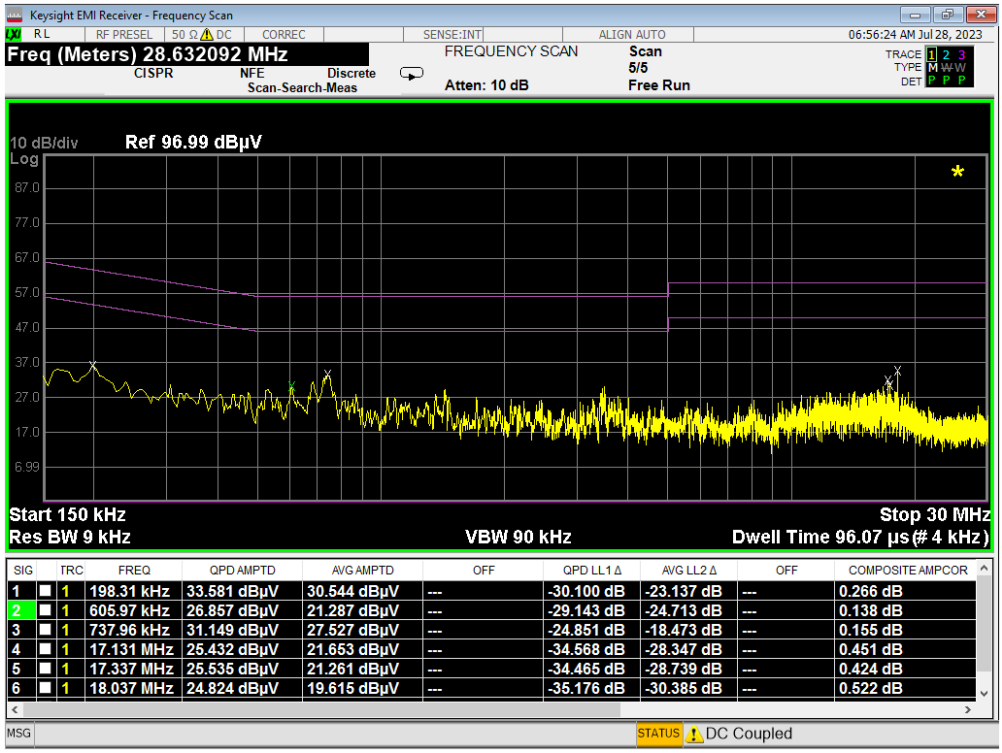
Plot 7-141. Line Conducted Plot with 802.11ax UNII Band 6 (L1)



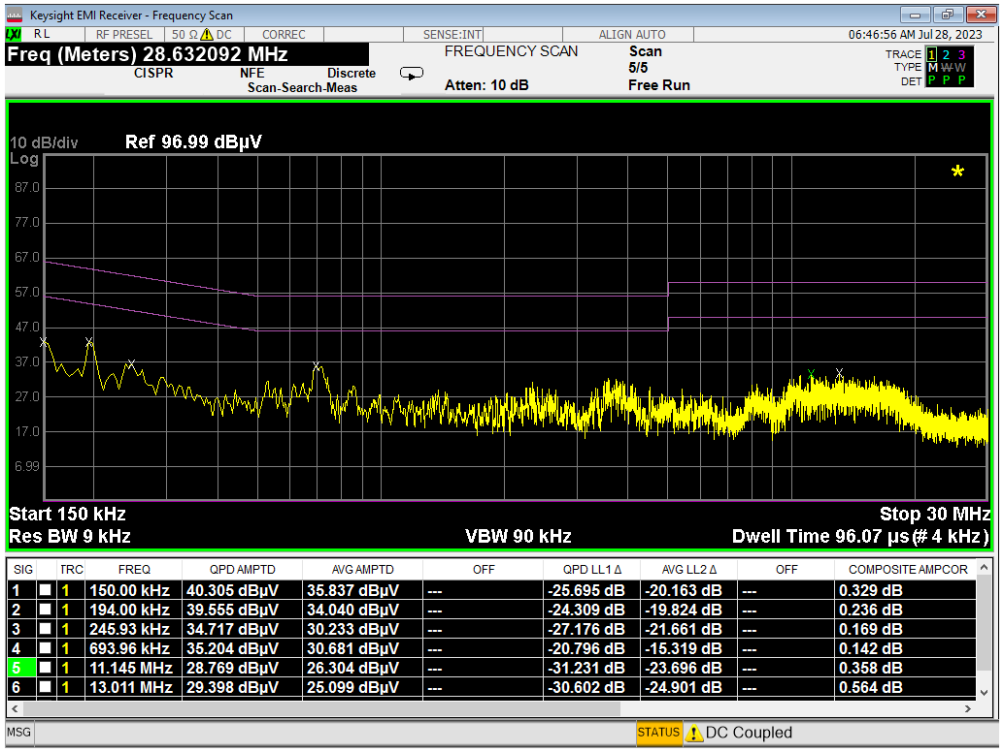
Plot 7-142. Line Conducted Plot with 802.11ax UNII Band 6 (N)



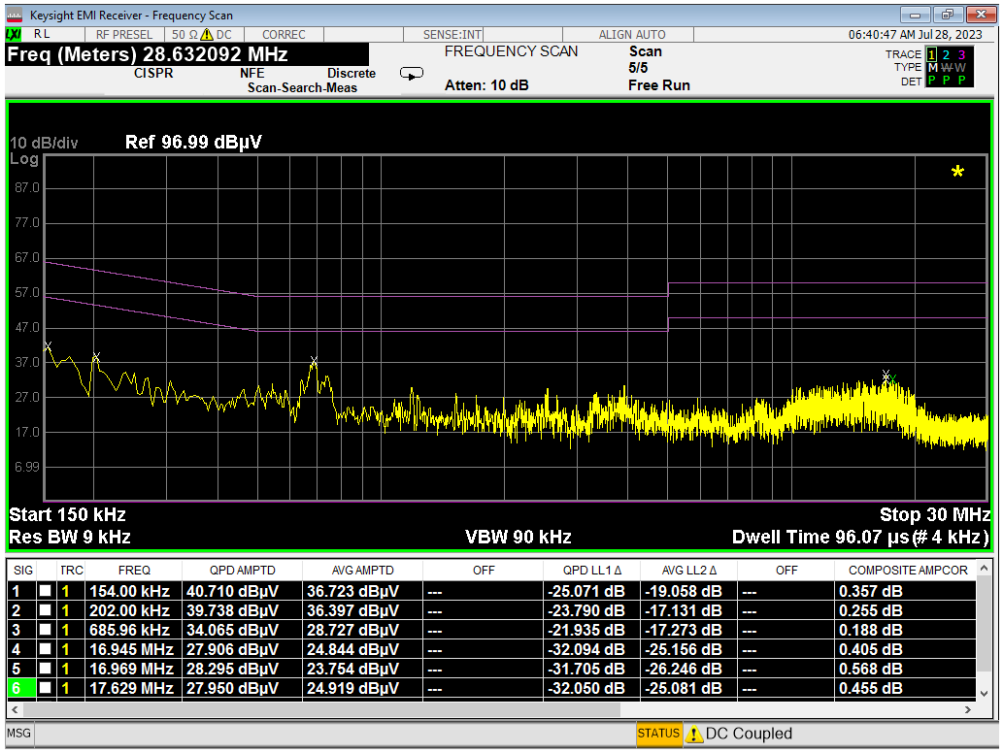
Plot 7-143. Line Conducted Plot with 802.11ax UNII Band 7 (L1)



Plot 7-144. Line Conducted Plot with 802.11ax UNII Band 7 (N)



Plot 7-145. Line Conducted Plot with 802.11ax UNII Band 8 (L1)



Plot 7-146. Line Conducted Plot with 802.11ax UNII Band 8 (N)

8.0 CONCLUSION

The data collected relate only the item(s) tested and show that the **Samsung Portable Handset FCC ID: A3LSMS711B** is in compliance with FCC Part Subpart E (15.407) of the FCC rules for operation as a client device.