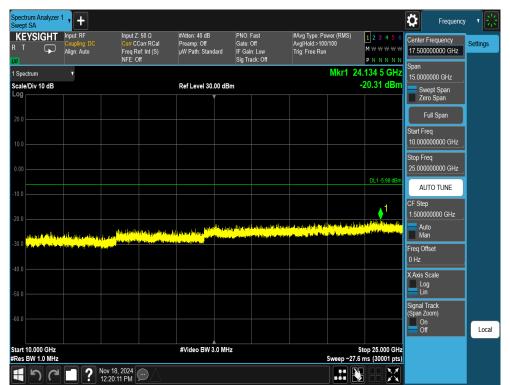


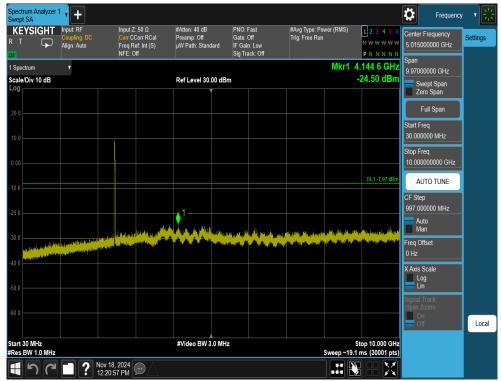
Plot 7-70. Conducted Spurious Plot Antenna WF8 (802.11ax OFDMA - RU242 - Ch. 6)



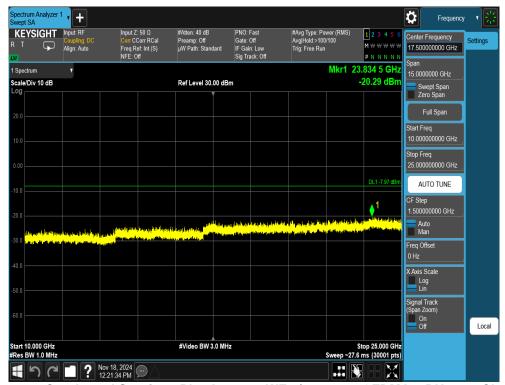
Plot 7-71. Conducted Spurious Plot Antenna WF8 (802.11ax OFDMA - RU242 - Ch. 6)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-72. Conducted Spurious Plot Antenna WF8 (802.11ax OFDMA - RU242 - Ch. 11)

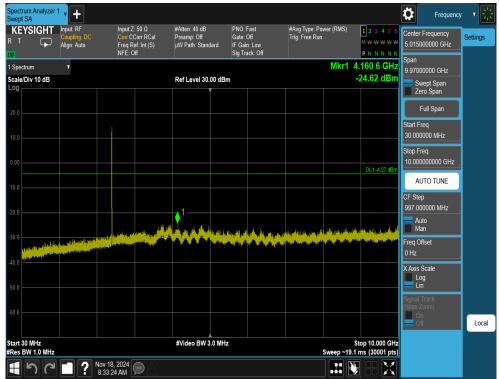


Plot 7-73. Conducted Spurious Plot Antenna WF8 (802.11ax OFDMA - RU242 - Ch. 11)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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7.6.2 Antenna WF8 (Common) Conducted Spurious Emission



Plot 7-74. Conducted Spurious Plot Antenna WF8 (Common) (802.11ax OFDMA - RU26 - Ch. 1)



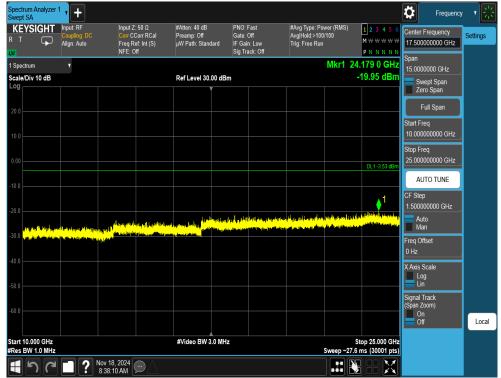
Plot 7-75. Conducted Spurious Plot Antenna WF8 (Common) (802.11ax OFDMA - RU26 - Ch. 1)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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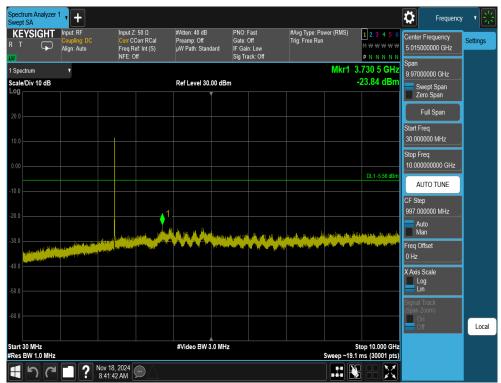
Plot 7-76. Conducted Spurious Plot Antenna WF8 (Common) (802.11ax OFDMA - RU26 - Ch. 6)



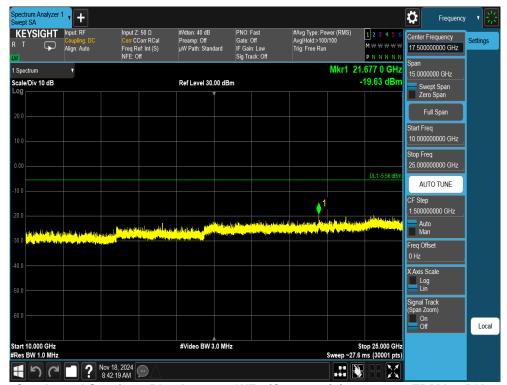
Plot 7-77. Conducted Spurious Plot Antenna WF8 (Common) (802.11ax OFDMA - RU26 - Ch. 6)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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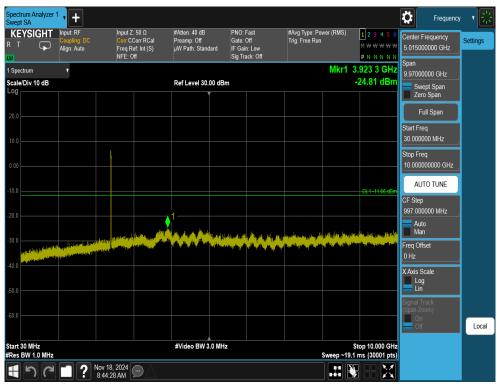
Plot 7-78. Conducted Spurious Plot Antenna WF8 (Common) (802.11ax OFDMA - RU26 - Ch. 11)



Plot 7-79. Conducted Spurious Plot Antenna WF8 (Common) (802.11ax OFDMA - RU26 - Ch. 11)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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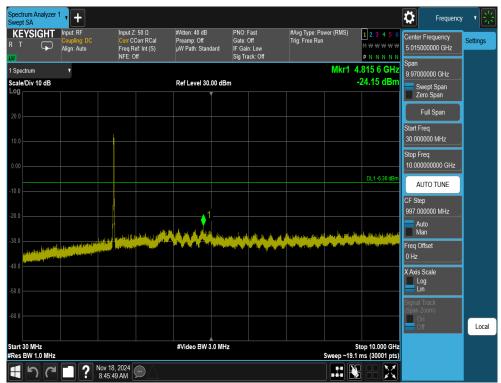
Plot 7-80. Conducted Spurious Plot Antenna WF8 (Common) (802.11ax OFDMA - RU242 - Ch. 1)



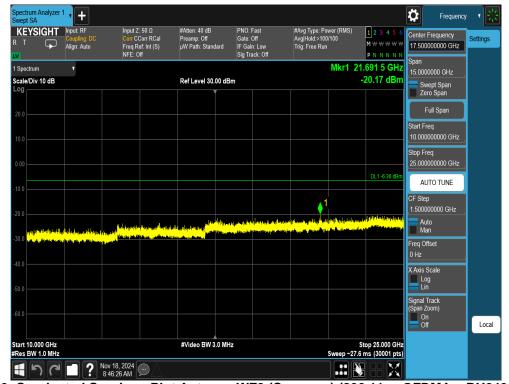
Plot 7-81. Conducted Spurious Plot Antenna WF8 (Common) (802.11ax OFDMA - RU242 - Ch. 1)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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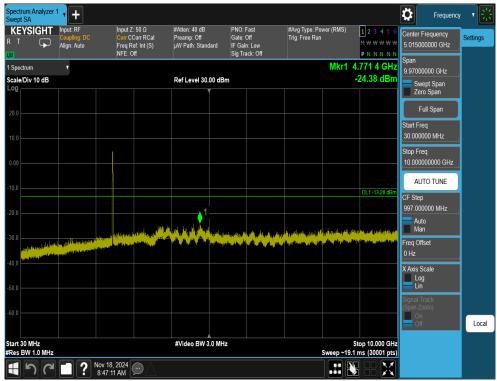
Plot 7-82. Conducted Spurious Plot Antenna WF8 (Common) (802.11ax OFDMA - RU242 - Ch. 6)



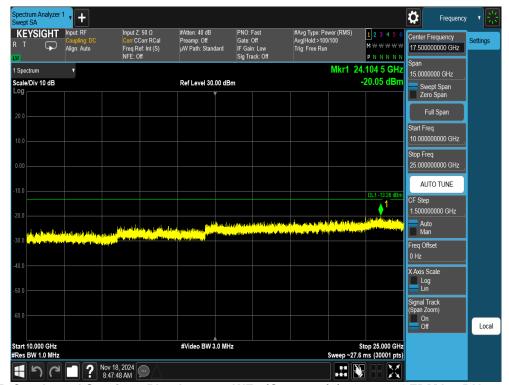
Plot 7-83. Conducted Spurious Plot Antenna WF8 (Common) (802.11ax OFDMA - RU242 - Ch. 6)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-84. Conducted Spurious Plot Antenna WF8 (Common) (802.11ax OFDMA - RU242 - Ch. 11)

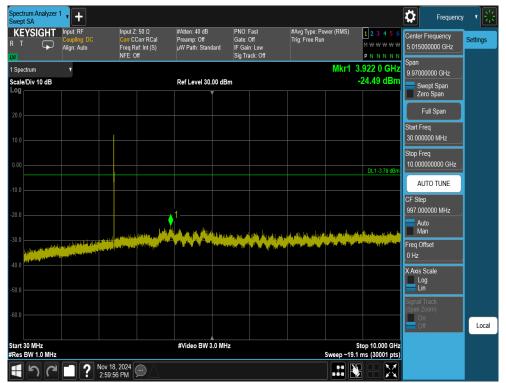


Plot 7-85. Conducted Spurious Plot Antenna WF8 (Common) (802.11ax OFDMA - RU242 - Ch. 11)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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7.6.3 Antenna WF7b Conducted Spurious Emissions



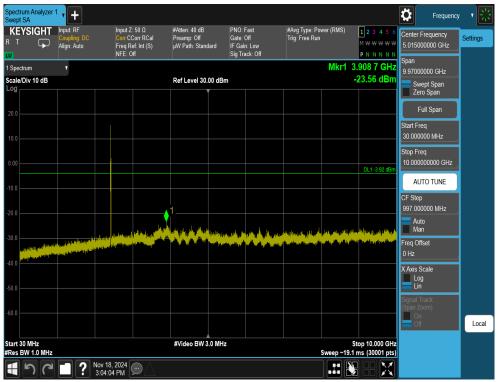
Plot 7-86. Conducted Spurious Plot Antenna WF7b (802.11ax OFDMA - RU26 - Ch. 1)



Plot 7-87. Conducted Spurious Plot Antenna WF7b (802.11ax OFDMA - RU26 - Ch. 1)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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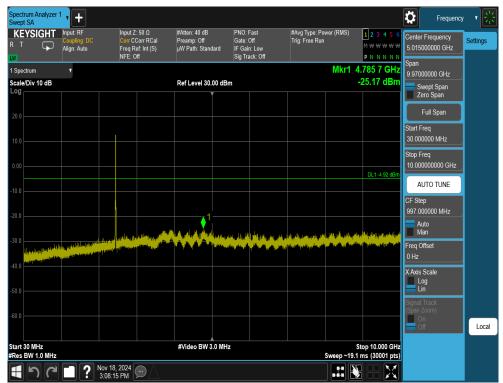
Plot 7-88. Conducted Spurious Plot Antenna WF7b (802.11ax OFDMA - RU26 - Ch. 6)



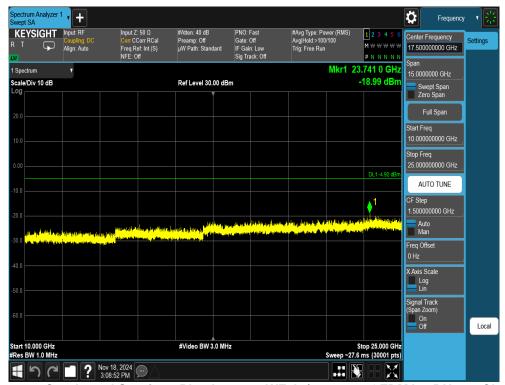
Plot 7-89. Conducted Spurious Plot Antenna WF7b (802.11ax OFDMA - RU26 - Ch. 6)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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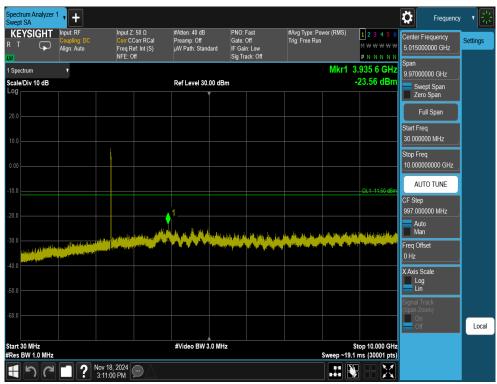
Plot 7-90. Conducted Spurious Plot Antenna WF7b (802.11ax OFDMA - RU26 - Ch. 11)



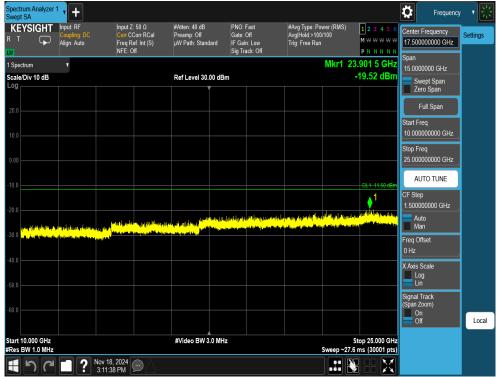
Plot 7-91. Conducted Spurious Plot Antenna WF7b (802.11ax OFDMA - RU26 - Ch. 11)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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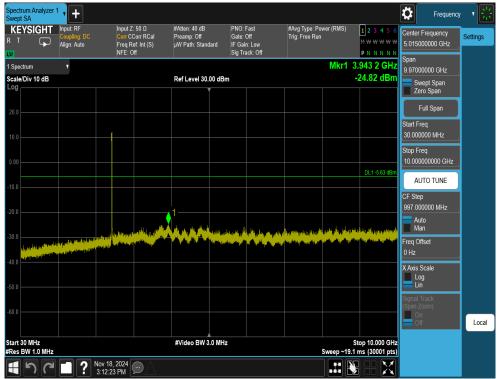
Plot 7-92. Conducted Spurious Plot Antenna WF7b (802.11ax OFDMA - RU242 - Ch. 1)



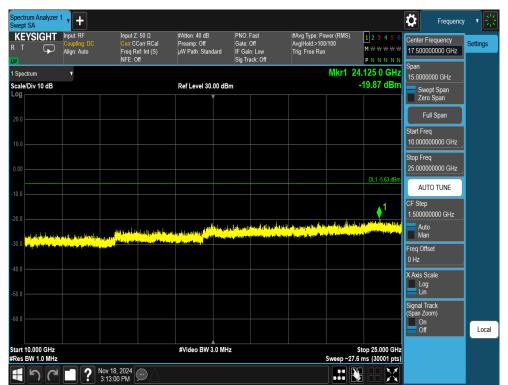
Plot 7-93. Conducted Spurious Plot Antenna WF7b (802.11ax OFDMA - RU242 - Ch. 1)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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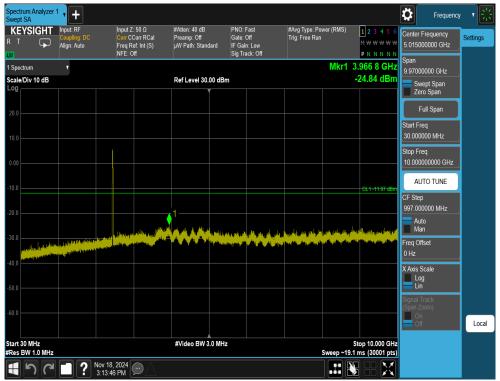
Plot 7-94. Conducted Spurious Plot Antenna WF7b (802.11ax OFDMA - RU242 - Ch. 6)



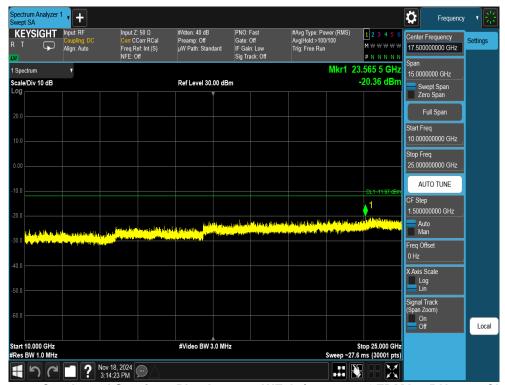
Plot 7-95. Conducted Spurious Plot Antenna WF7b (802.11ax OFDMA - RU242 - Ch. 6)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-96. Conducted Spurious Plot Antenna WF7b (802.11ax OFDMA - RU242 - Ch. 11)



Plot 7-97. Conducted Spurious Plot Antenna WF7b (802.11ax OFDMA - RU242 - Ch. 11)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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7.7 Radiated Spurious Emissions – Above 1 GHz §15.247(d) §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 maximum power, and at the appropriate frequencies. All data rates and modes were investigated for radiated spurious emissions. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR and Table 7 of RSS-Gen (8.10) must not exceed the limits shown in Table 7-38 per Section 15.209 and RSS-Gen (8.9).

Frequency	Field Strength [µV/m]	Measured Distance [Meters]
Above 960.0 MHz	500	3

Table 7-38. Radiated Limits

Test Procedures Used

ANSI C63.10-2020 – Subclause 6.6.4.3 KDB 558074 D01 v05r02 – Sections 8.6, 8.7

Test Settings

Average 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 = power average (RMS)
- Number of Measurement points = 1001 (Number of points must be ≥ 2 x span/RBW)
- 6. Sweep time = auto
- 7. Trace (RMS) averaging was performed over at least 100 traces

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

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Test Setup

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

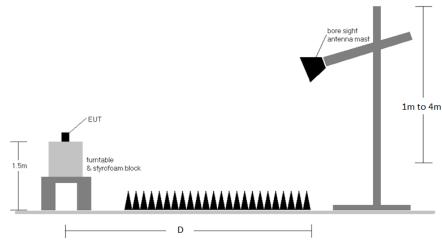


Figure 7-6. Radiated Measurement Setup

Test Notes

- The optional test procedures for antenna port conducted measurements of unwanted emissions per the guidance of KDB 558074 D01 v05r02 were not used to evaluate this device for compliance to radiated limits. All Radiated Spurious Emissions levels were measured in a radiated test setup.
- 2. All emissions lying in restricted bands specified in Section 15.205 and Section 8.10 of RSS-Gen are below the limit shown in Table 7-38.
- 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.
- D is the Measurement test distance and emissions 1-18GHz were measured at a 3 meters 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.
- 8. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
- 9. All antenna configurations and data rates were investigated and only the worst case is reported.
- 10. For radiated measurements, emissions were investigated for the fully-loaded RU configuration and for all the partially-loaded RU configurations. Among all of the available partially-loaded RU configurations, only the configuration with the worst case emissions is reported.

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Sample Calculations

Determining Spurious Emissions Levels

- Field Strength Level [dBμV/m] = Analyzer Level [dBm] + 107 + AFCL [dB/m]
- O AFCL [dB/m] = Antenna Factor [dB/m] + Cable Loss [dB] Preamplifier Gain [dB]
- o Margin [dB] = Field Strength Level [dB μ V/m] Limit [dB μ V/m]

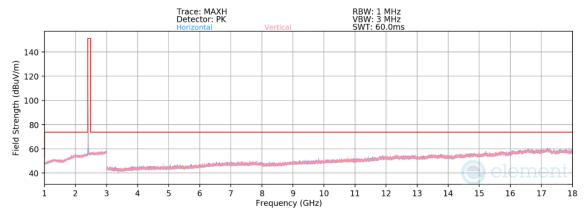
Radiated Band Edge Measurement Offset

- The amplitude offset shown in the radiated restricted band edge plots in Section 7.7.3 to 7.7.7 was calculated using the formula:
 - Offset (dB) = (Antenna Factor + Cable Loss + Attenuator) Preamplifier Gain

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7.7.1 CDD (Dedicated) Radiated Spurious Emission Measurements §15.247(d) §15.205 & §15.209; RSS-Gen [8.9]



Plot 7-98. Radiated Spurious Emissions above 1GHz CDD (Dedicated) (802.11ax OFDMA - RU26 - Ch. 1)

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax OFDMA

MCS0

4

3 Meters

2412MHz

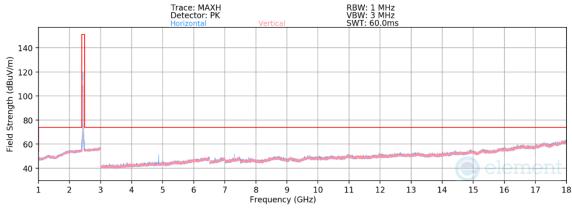
01

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	Average	V	148	188	-73.77	7.47	40.70	53.98	-13.28
4824.00	Peak	V	148	188	-65.75	7.47	48.72	73.98	-25.26
12060.00	Average	Н	-	-	-82.00	18.03	43.03	53.98	-10.95
12060.00	Peak	Н	-	-	-70.37	18.03	54.66	73.98	-19.32

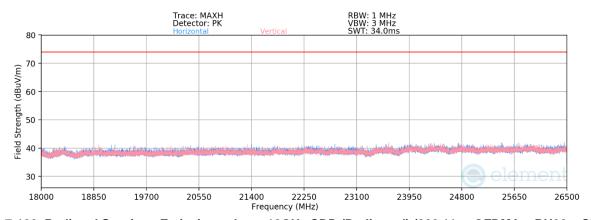
Table 7-39. Radiated Measurements CDD (Dedicated) (RU26)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-99. Radiated Spurious Emissions above 1GHz CDD (Dedicated) (802.11ax OFDMA - RU26 - Ch. 6)



Plot 7-100. Radiated Spurious Emissions above 18GHz CDD (Dedicated) (802.11ax OFDMA - RU26 - Ch. 6)

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax OFDMA

MCS0

4

3 Meters

2437MHz

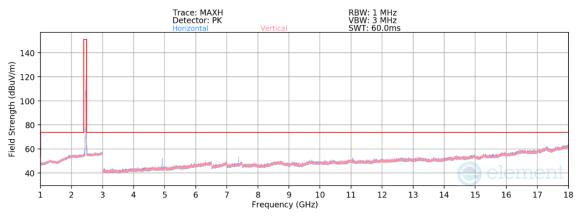
06

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	Average	V	186	176	-75.25	7.47	39.22	53.98	-14.76
4874.00	Peak	V	186	176	-66.80	7.47	47.67	73.98	-26.31
7311.00	Average	V	105	251	-74.32	10.53	43.21	53.98	-10.77
7311.00	Peak	V	105	251	-60.25	10.53	57.28	73.98	-16.70
12185.00	Average	Н	-	-	-81.99	18.03	43.04	53.98	-10.94
12185.00	Peak	Н	-	-	-70.98	18.03	54.05	73.98	-19.93

Table 7-40. Radiated Measurements CDD (Dedicated) (RU26)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-101. Radiated Spurious Emissions above 1GHz CDD (Dedicated) (802.11ax OFDMA – RU26 – Ch. 11)

Worst Case Mode: 802.11ax OFDMA
Worst Case Transfer Rate: MCS0

RU Index: 4

Distance of Measurements: 3 Meters

Operating Frequency: 2462MHz

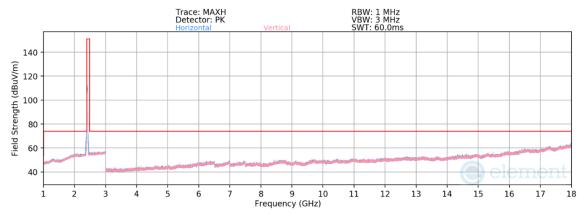
Channel: 11

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
4823.90	Average	V	312	193	-74.31	7.47	40.16	53.98	-13.82
4823.95	Peak	V	312	193	-65.91	7.47	48.56	73.98	-25.42
7386.00	Average	V	109	249	-74.56	10.53	42.97	53.98	-11.01
7386.00	Peak	V	109	249	-60.37	10.53	57.16	73.98	-16.82
12310.00	Average	Н	-	-	-82.07	18.03	42.96	53.98	-11.02
12310.00	Peak	Н	-	-	-70.83	18.03	54.20	73.98	-19.78

Table 7-41. Radiated Measurements CDD (Dedicated) (RU26)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-102. Radiated Spurious Emissions above 1GHz CDD (Dedicated) (802.11ax OFDMA – RU242 – Ch. 1)

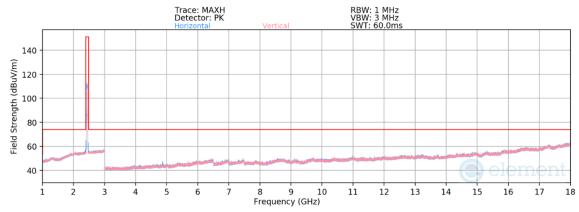
Worst Case Mode: 802.11ax OFDMA Worst Case Transfer Rate: MCS0 RU Index: 61 Distance of Measurements: 3 Meters Operating Frequency: 2412MHz Channel: 01

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	Average	V	226	188	-74.09	7.47	40.38	53.98	-13.60
4824.00	Peak	V	226	188	-65.94	7.47	48.53	73.98	-25.45
12060.00	Average	V	-	-	-82.20	18.03	42.83	53.98	-11.15
12060.00	Peak	V	-	-	-70.44	18.03	54.59	73.98	-19.39

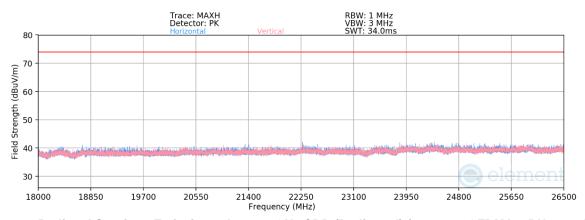
Table 7-42. Radiated Measurements CDD (Dedicated) (RU242)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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Plot 7-103. Radiated Spurious Emissions above 1GHz CDD (Dedicated) (802.11ax OFDMA – RU242 – Ch. 6)



Plot 7-104. Radiated Spurious Emissions above 18GHz CDD (Dedicated) (802.11ax OFDMA - RU242 - Ch. 6)

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax OFDMA

MCS0

61

3 Meters

2437MHz

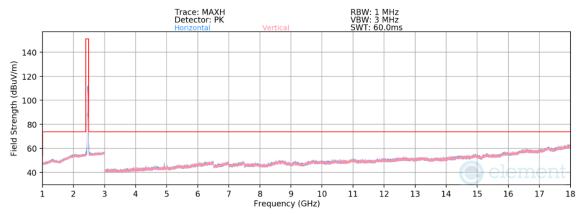
06

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	Average	V	250	174	-74.79	7.47	39.68	53.98	-14.30
4874.00	Peak	V	250	174	-66.20	7.47	48.27	73.98	-25.71
7311.00	Average	V	-	-	-80.15	10.58	37.43	53.98	-16.55
7311.00	Peak	V	-	-	-69.54	10.58	48.04	73.98	-25.94
12185.00	Average	V	-	-	-81.94	18.03	43.08	53.98	-10.90
12185.00	Peak	V	-	-	-69.90	18.03	55.13	73.98	-18.85

Table 7-43. Radiated Measurements CDD (Dedicated) (RU242)

FCC ID: BCGA3354 IC: 579C-A3354	element	element MEASUREMENT REPORT (CERTIFICATION)			
Test Report S/N:	Test Dates:	EUT Type:	Dog 25 of 162		
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Plot 7-105. Radiated Spurious Emissions above 1GHz CDD (Dedicated) (802.11ax OFDMA - RU242 - Ch. 11)

Worst Case Mode: 802.11ax OFDMA
Worst Case Transfer Rate: MCS0

RU Index: 61

Distance of Measurements: 3 Meters

Operating Frequency: 2462MHz

Channel: 11

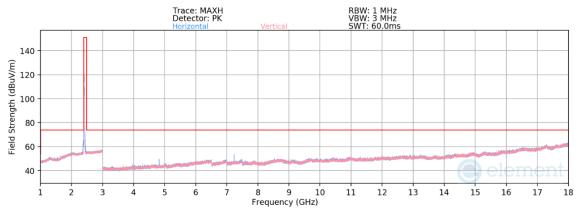
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
4924.00	Average	V	103	192	-73.27	7.47	41.20	53.98	-12.78
4924.00	Peak	V	103	192	-65.60	7.47	48.87	73.98	-25.11
7386.00	Average	V	-	-	-80.04	10.53	37.49	53.98	-16.49
7386.00	Peak	V	-	-	-68.35	10.53	49.18	73.98	-24.80
12310.00	Average	V	-	-	-82.05	18.03	42.98	53.98	-11.00
12310.00	Peak	V	-	-	-70.35	18.03	54.68	73.98	-19.30

Table 7-44. Radiated Measurements CDD (Dedicated) (RU242)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 26 of 162
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7.7.2 CDD (Common) Radiated Spurious Emission Measurements §15.247(d) §15.205 & §15.209; RSS-Gen [8.9]



Plot 7-106. Radiated Spurious Emissions above 1GHz CDD (Common) (802.11ax OFDMA – RU26 – Ch. 1)

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax OFDMA

MCS0

4

3 Meters

2412MHz

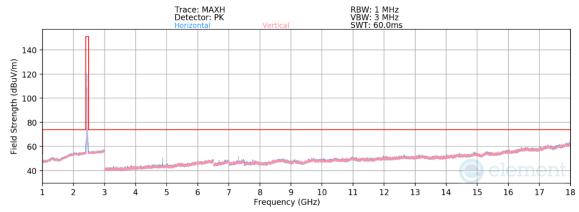
01

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	Average	Н	236	245	-69.98	5.35	42.37	53.98	-11.61
4824.00	Peak	Н	236	245	-60.05	5.35	52.30	73.98	-21.68
12060.00	Average	V	-	-	-81.04	15.11	41.07	53.98	-12.91
12060.00	Peak	V	-	-	-70.57	15.11	51.54	73.98	-22.44

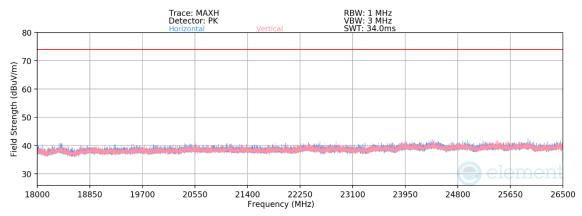
Table 7-45. Radiated Measurements CDD (Common) (RU26)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 27 of 162
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Plot 7-107. Radiated Spurious Emissions above 1GHz CDD (Common) (802.11ax OFDMA - RU26 - Ch. 6)



Plot 7-108. Radiated Spurious Emissions above 18GHz CDD (Common) (802.11ax OFDMA - RU26 - Ch. 6)

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax OFDMA

MCS0

4

2437MHz

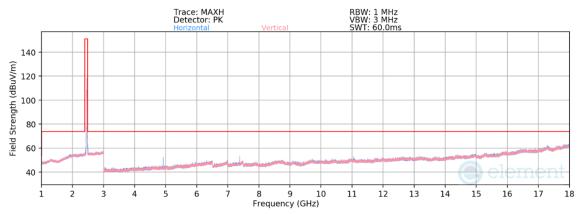
06

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	Average	Н	268	244	-67.44	5.32	44.88	53.98	-9.10
4874.00	Peak	Н	268	244	-57.81	5.32	54.51	73.98	-19.47
7311.00	Average	Н	101	250	-74.51	9.82	42.31	53.98	-11.67
7311.00	Peak	Н	101	250	-60.07	9.82	56.75	73.98	-17.23
12185.00	Average	Н	-	-	-81.25	15.01	40.76	53.98	-13.22
12185.00	Peak	Н	-	-	-70.52	15.01	51.49	73.98	-22.49

Table 7-46. Radiated Measurements CDD (Common) (RU26)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 38 of 162
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Plot 7-109. Radiated Spurious Emissions above 1GHz CDD (Common) (802.11ax OFDMA - RU26 - Ch. 11)

Worst Case Mode: 802.11ax OFDMA
Worst Case Transfer Rate: MCS0

RU Index: 4

Distance of Measurements: 3 Meters

Operating Frequency: 2462MHz

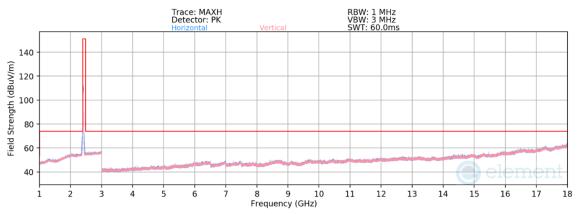
Channel: 11

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
4924.00	Average	Н	253	243	-65.90	5.26	46.36	53.98	-7.62
4924.00	Peak	Н	253	243	-56.48	5.26	55.78	73.98	-18.20
7386.00	Average	Н	111	253	-74.38	9.56	42.18	53.98	-11.80
7386.00	Peak	Н	111	253	-60.27	9.56	56.29	73.98	-17.69
12310.00	Average	Н	-	-	-82.35	15.60	40.25	53.98	-13.73
12310.00	Peak	Н	-	-	-71.12	15.60	51.48	73.98	-22.50

Table 7-47. Radiated Measurements CDD (Common) (RU26)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 20 of 162
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Plot 7-110. Radiated Spurious Emissions above 1GHz CDD (Common) (802.11ax OFDMA – RU242 – Ch. 1)

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax OFDMA

MCS0

61

3 Meters

2412MHz

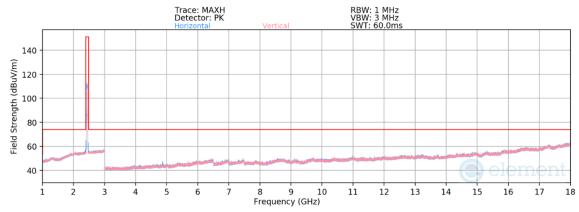
01

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	Average	Н	243	246	-75.67	5.35	36.68	53.98	-17.30
4824.00	Peak	Н	243	246	-64.35	5.35	48.00	73.98	-25.98
12060.00	Average	Н	-	-	-81.04	14.68	40.63	53.98	-13.35
12060.00	Peak	Н	-	-	-70.79	14.68	50.88	73.98	-23.10

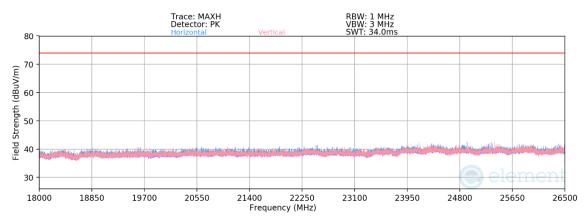
Table 7-48. Radiated Measurements CDD (Common) (RU242)

FCC ID: BCGA3354 IC: 579C-A3354	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 40 of 162
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Plot 7-111. Radiated Spurious Emissions above 1GHz CDD (Common) (802.11ax OFDMA – RU242 – Ch. 6)



Plot 7-112. Radiated Spurious Emissions above 1GHz CDD (Common) (802.11ax OFDMA - RU242 - Ch. 6)

Worst Case Mode:

Worst Case Transfer Rate:

RU Index:

Distance of Measurements:

Operating Frequency:

Channel:

802.11ax OFDMA

MCS0

61

3 Meters

2437MHz

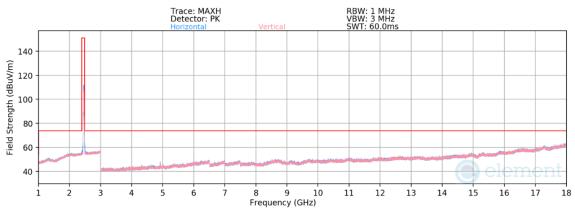
06

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	Average	Н	254	248	-74.49	5.32	37.83	53.98	-16.15
4874.00	Peak	Н	254	248	-62.52	5.32	49.80	73.98	-24.18
7311.00	Average	Н	-	-	-80.27	9.78	36.51	53.98	-17.47
7311.00	Peak	Н	-	-	-68.67	9.78	48.12	73.98	-25.86
12185.00	Average	V	-	-	-81.38	15.01	40.64	53.98	-13.34
12185.00	Peak	V	-	-	-70.31	15.01	51.70	73.98	-22.28

Table 7-49. Radiated Measurements CDD (Common) (RU242)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dogo 44 of 460	
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Plot 7-113. Radiated Spurious Emissions above 1GHz CDD (Common) (802.11ax OFDMA – RU242 – Ch. 11)

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

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
4924.00	Average	Н	271	245	-73.65	5.26	38.61	53.98	-15.37
4924.00	Peak	Н	271	245	-62.43	5.26	49.83	73.98	-24.15
7386.00	Average	Н	-	-	-79.98	9.54	36.56	53.98	-17.42
7386.00	Peak	Н	-	-	-68.20	9.54	48.34	73.98	-25.64
12310.00	Average	Н	-	-	-82.16	15.60	40.44	53.98	-13.54
12310.00	Peak	Н	-	-	-70.90	15.60	51.71	73.98	-22.27

Table 7-50. Radiated Measurements CDD (Common) (RU242)

FCC ID: BCGA3354 IC: 579C-A3354	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 42 of 162
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7.7.3 Antenna WF8 (Dedicated) Radiated Restricted Band Edge Measurements \$15.205 \$15.209; RSS-Gen [8.9]

RU26

 Mode:
 802.11ax OFDMA

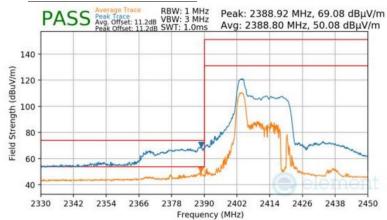
 Transfer Rate:
 MCS9

 RU Index:
 0

 Distance of Measurements:
 3 Meters

 Operating Frequency:
 2412MHz

 Channel:
 1



Plot 7-114 Radiated Restricted Lower Band Edge Measurement Antenna WF8 (Dedicated) (Peak & Average - RU26)

 Mode:
 802.11ax OFDMA

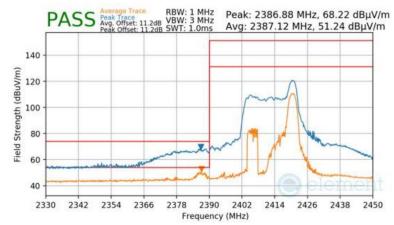
 Transfer Rate:
 MCS9

 RU Index:
 8

 Distance of Measurements:
 3 Meters

 Operating Frequency:
 2412MHz

 Channel:
 1

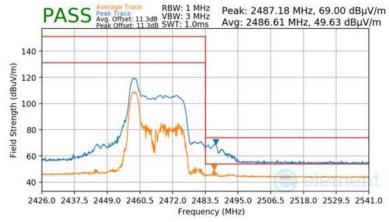


Plot 7-115 Radiated Restricted Lower Band Edge Measurement Antenna WF8 (Dedicated) (Peak & Average - RU26)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dogo 42 of 162	
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802.11ax OFDMA
MCS9
0
3 Meters
2467MHz
12



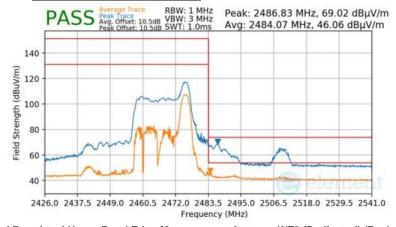
Plot 7-116 Radiated Restricted Upper Band Edge Measurement Antenna WF8 (Dedicated) (Peak & Average - RU26)

Mode: Transfer Rate: RU Index:

Distance of Measurements: Operating Frequency:

Channel:

802.11ax OFDMA
MCS9
8
3 Meters
2467MHz
12



Plot 7-117 Radiated Restricted Upper Band Edge Measurement Antenna WF8 (Dedicated) (Peak & Average – RU26)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dogo 44 of 162	
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RU242

 Mode:
 802.11ax OFDMA

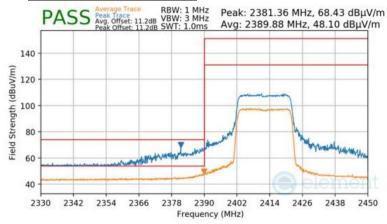
 Transfer Rate:
 MCS9

 RU Index:
 61

 Distance of Measurements:
 3 Meters

 Operating Frequency:
 2412MHz

 Channel:
 1



Plot 7-118 Radiated Restricted Lower Band Edge Measurement Antenna WF8 (Dedicated) (Peak & Average – RU242)

 Mode:
 802.11ax OFDMA

 Transfer Rate:
 MCS9

 RU Index:
 61

 Distance of Measurements:
 3 Meters

 Operating Frequency:
 2417MHz

 Channel:
 2

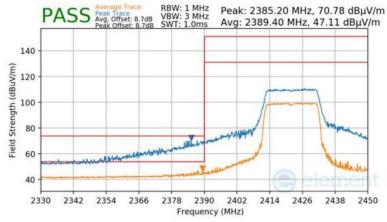
RBW: 1 MHz VBW: 3 MHz Peak: 2390.00 MHz, 71.02 dBµV/m Avg: 2388.80 MHz, 47.79 dBµV/m 140 Field Strength (dBuV/m) 120 100 80 60 40 2414 2426 2330 2342 2354 2366 2378 2390 2402 2438 Frequency (MHz)

Plot 7-119 Radiated Restricted Lower Band Edge Measurement Antenna WF8 (Dedicated) (Peak & Average – RU242)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 45 of 162
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802.11ax OFDMA
MCS9
61
3 Meters
2422MHz
3

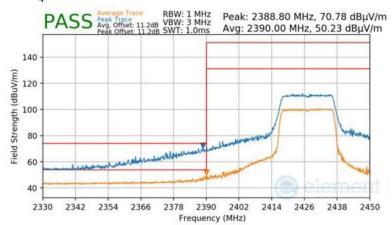


Plot 7-120 Radiated Restricted Lower Band Edge Measurement Antenna WF8 (Dedicated) (Peak & Average - RU242)

Mode: Transfer Rate: RU Index: Distance of Measurements: Operating Frequency:

Channel:

802.11ax OFDMA
MCS9
61
3 Meters
2427MHz

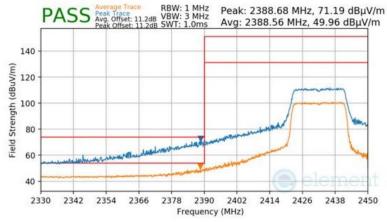


Plot 7-121 Radiated Restricted Lower Band Edge Measurement Antenna WF8 (Dedicated) (Peak & Average - RU242)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 46 of 162
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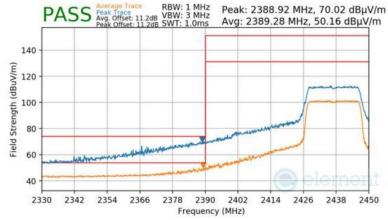
802.11ax OFDMA
MCS9
61
3 Meters
2432MHz
5



Plot 7-122 Radiated Restricted Lower Band Edge Measurement Antenna WF8 (Dedicated) (Peak & Average - RU242)

Mode: Transfer Rate: RU Index: Distance of Measurement

Distance of Measurements: Operating Frequency: Channel: 802.11ax OFDMA MCS9 61 3 Meters 2437MHz

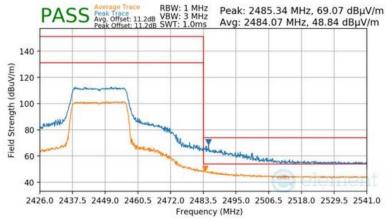


Plot 7-123 Radiated Restricted Lower Band Edge Measurement Antenna WF8 (Dedicated) (Peak & Average - RU242)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 47 of 162
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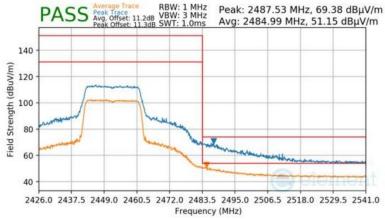
802.11ax OFDMA
MCS9
61
3 Meters
2447MHz
8



Plot 7-124 Radiated Restricted Upper Band Edge Measurement Antenna WF8 (Dedicated) (Peak & Average - RU242)

Mode: Transfer Rate: RU Index: Distance of Measurem

Distance of Measurements: Operating Frequency: Channel: 802.11ax OFDMA MCS9 61 3 Meters 2452MHz

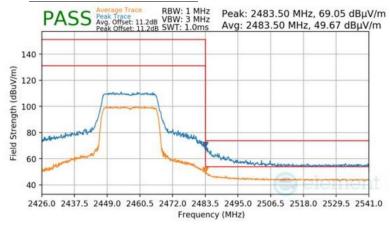


Plot 7-125 Radiated Restricted Upper Band Edge Measurement Antenna WF8 (Dedicated) (Peak & Average - RU242)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 49 of 160
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802.11ax OFDMA
MCS9
61
3 Meters
2457MHz
10



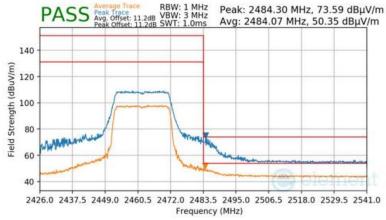
Plot 7-126 Radiated Restricted Upper Band Edge Measurement Antenna WF8 (Dedicated) (Peak & Average - RU242)

Mode: Transfer Rate: RU Index:

Distance of Measurements: Operating Frequency:

Channel:

802.11ax OFDMA MCS9 61 3 Meters 2462MHz

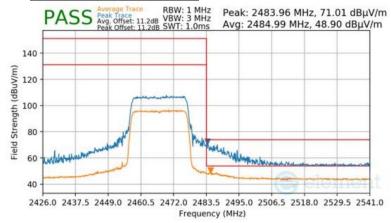


Plot 7-127 Radiated Restricted Upper Band Edge Measurement Antenna WF8 (Dedicated) (Peak & Average - RU242)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 49 of 162
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802.11ax OFDMA
MCS9
61
3 Meters
2467MHz
12



Plot 7-128 Radiated Restricted Upper Band Edge Measurement Antenna WF8 (Dedicated) (Peak & Average – RU242)

FCC ID: BCGA3354 IC: 579C-A3354	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 50 of 162
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7.7.4 Antenna WF8 (Common) Radiated Restricted Band Edge Measurements §15.205 §15.209; RSS-Gen [8.9] RU26

 Mode:
 802.11ax OFDMA

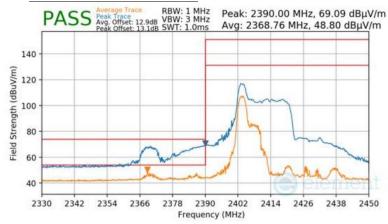
 Transfer Rate:
 MCS9

 RU Index:
 0

 Distance of Measurements:
 3 Meters

 Operating Frequency:
 2412MHz

 Channel:
 1



Plot 7-129 Radiated Restricted Lower Band Edge Measurement Antenna WF8 (Common) (Peak & Average - RU26)

 Mode:
 802.11ax OFDMA

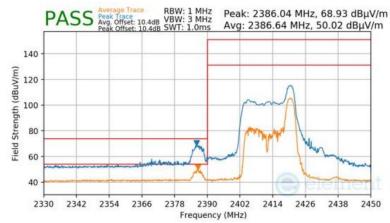
 Transfer Rate:
 MCS9

 RU Index:
 8

 Distance of Measurements:
 3 Meters

 Operating Frequency:
 2412MHz

 Channel:
 1

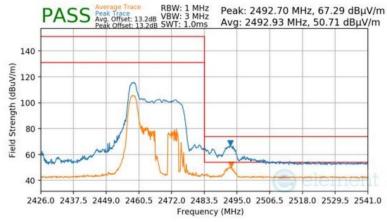


Plot 7-130 Radiated Restricted Lower Band Edge Measurement Antenna WF8 (Common) (Peak & Average - RU26)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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802.11ax OFDMA	
MCS9	
0	
3 Meters	
2467MHz	
12	

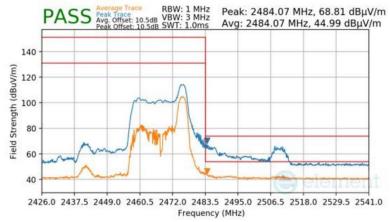


Plot 7-131 Radiated Restricted Upper Band Edge Measurement Antenna WF8 (Common) (Peak & Average - RU26)

Mode: Transfer Rate: RU Index:

Distance of Measurements: Operating Frequency: Channel:

802.11ax OFDMA
MCS9
8
3 Meters
2467MHz
12



Plot 7-132 Radiated Restricted Upper Band Edge Measurement Antenna WF8 (Common) (Peak & Average - RU26)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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RU242

 Mode:
 802.11ax OFDMA

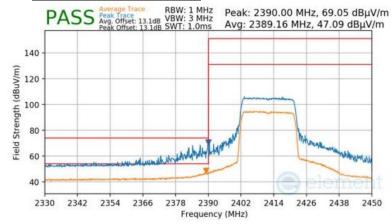
 Transfer Rate:
 MCS9

 RU Index:
 61

 Distance of Measurements:
 3 Meters

 Operating Frequency:
 2412MHz

 Channel:
 1



Plot 7-133 Radiated Restricted Lower Band Edge Measurement Antenna WF8 (Common) (Peak & Average - RU242)

 Mode:
 802.11ax OFDMA

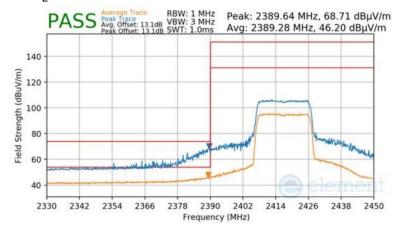
 Transfer Rate:
 MCS9

 RU Index:
 61

 Distance of Measurements:
 3 Meters

 Operating Frequency:
 2417MHz

 Channel:
 2

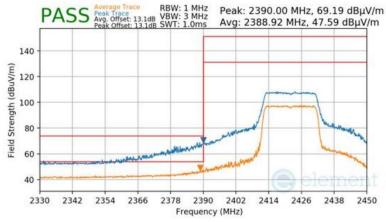


Plot 7-134 Radiated Restricted Lower Band Edge Measurement Antenna WF8 (Common) (Peak & Average – RU242)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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802.11ax OFDMA	
MCS9	
61	
3 Meters	
2422MHz	
3	

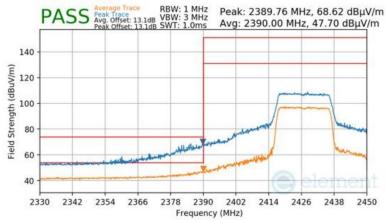


Plot 7-135 Radiated Restricted Lower Band Edge Measurement Antenna WF8 (Common) (Peak & Average - RU242)

Mode: Transfer Rate: RU Index: Distance of Measurements

Distance of Measurements:
Operating Frequency:
Channel:

802.11ax OFDMA
MCS9
61
3 Meters
2427MHz
4

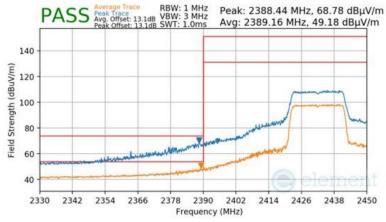


Plot 7-136 Radiated Restricted Lower Band Edge Measurement Antenna WF8 (Common) (Peak & Average - RU242)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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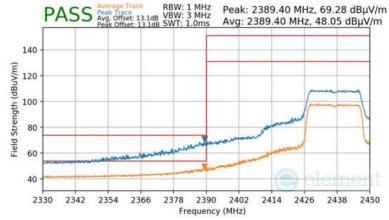
802.11ax OFDMA	
MCS9	
61	
3 Meters	
2432MHz	
5	



Plot 7-137 Radiated Restricted Lower Band Edge Measurement Antenna WF8 (Common) (Peak & Average - RU242)

Mode: Transfer Rate: RU Index: Distance of Measurements:

Distance of Measurements: Operating Frequency: Channel: 802.11ax OFDMA MCS9 61 3 Meters 2437MHz

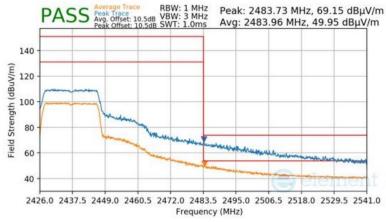


Plot 7-138 Radiated Restricted Lower Band Edge Measurement Antenna WF8 (Common) (Peak & Average - RU242)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
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802.11ax OFDMA	
MCS9	
61	
3 Meters	
2437MHz	
6	

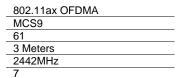


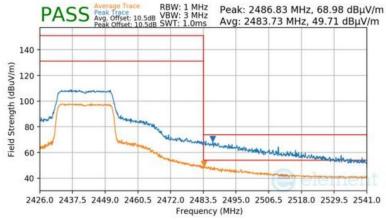
Plot 7-139 Radiated Restricted Upper Band Edge Measurement Antenna WF8 (Common) (Peak & Average - RU242)

Mode: Transfer Rate: RU Index:

Distance of Measurements: Operating Frequency:

Channel:



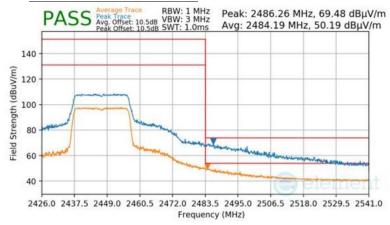


Plot 7-140 Radiated Restricted Upper Band Edge Measurement Antenna WF8 (Common) (Peak & Average - RU242)

FCC ID: BCGA3354 IC: 579C-A3354	element MEASUREMENT REPORT (CERTIFICATION)		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo EC of 160
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802.11ax OFDMA
MCS9
61
3 Meters
2447MHz
ρ

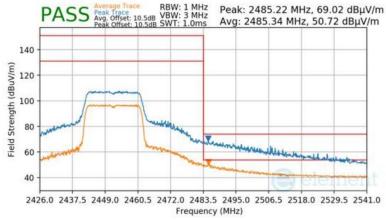


Plot 7-141 Radiated Restricted Upper Band Edge Measurement Antenna WF8 (Common) (Peak & Average - RU242)

Mode: Transfer Rate: RU Index:

Distance of Measurements: Operating Frequency: Channel:

802.11ax OFDMA
MCS9
61
3 Meters
2452MHz
9



Plot 7-142 Radiated Restricted Upper Band Edge Measurement Antenna WF8 (Common) (Peak & Average - RU242)

FCC ID: BCGA3354 IC: 579C-A3354	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 57 of 162
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