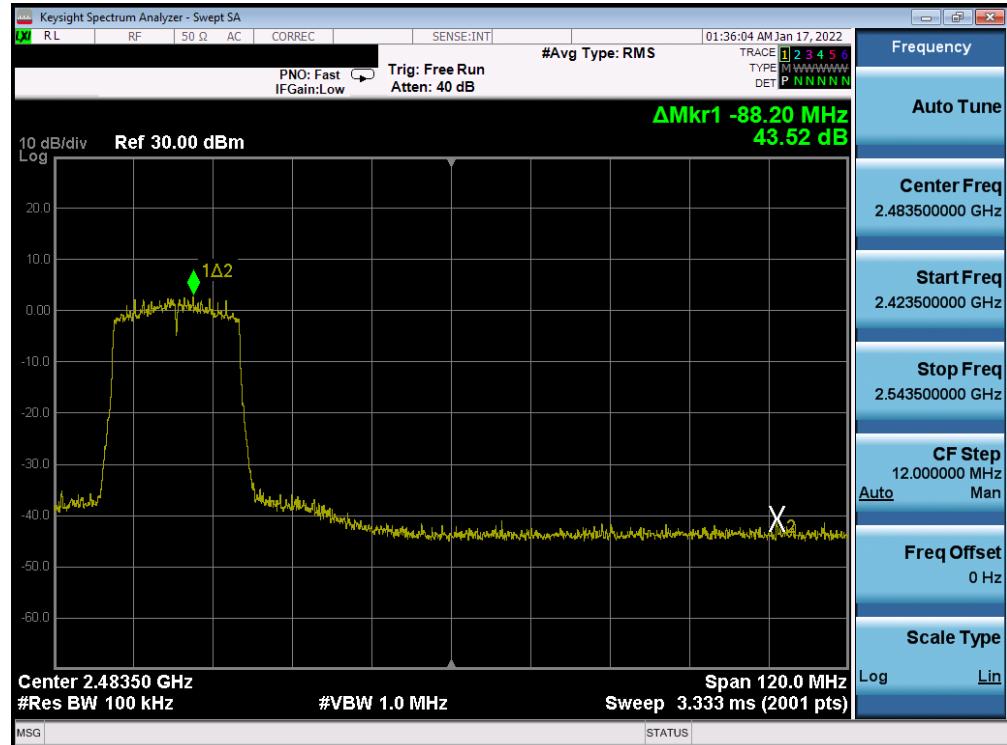
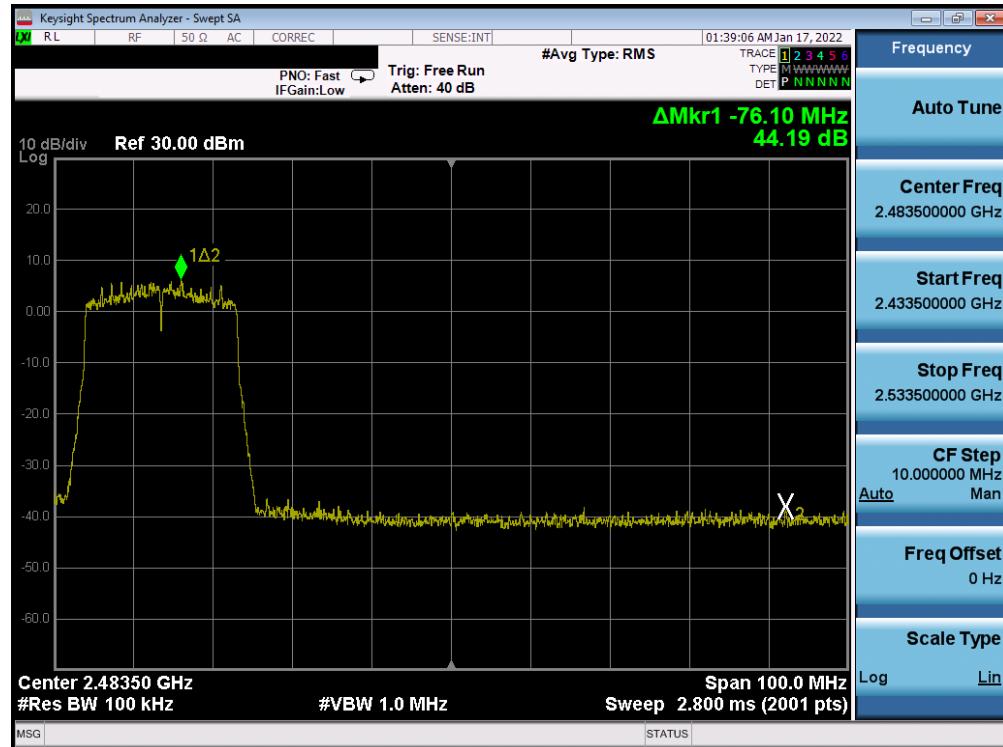


Plot 7-96. Band Edge Antenna 1a (802.11ax OFDMA – RU242 – Ch. 6 (high))

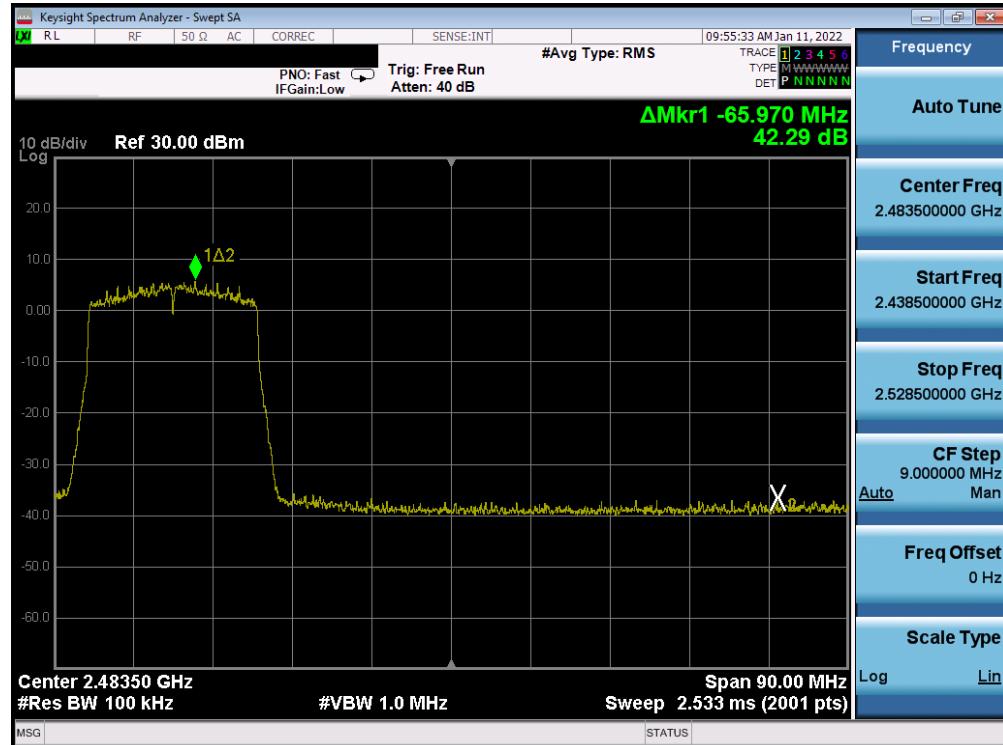


Plot 7-97. Band Edge Antenna 1a (802.11ax OFDMA – RU242 – Ch. 7)

FCC ID: BCGA2589 IC: 579C-A2589	<b>PCTEST</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 79 of 155

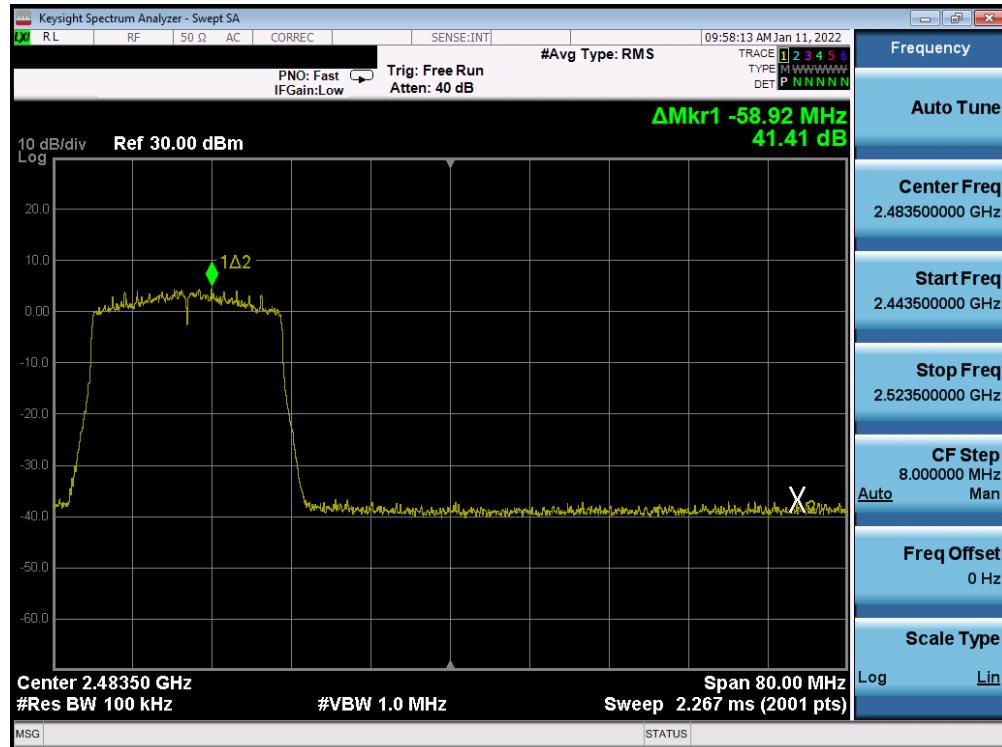


Plot 7-98. Band Edge Antenna 1a (802.11ax OFDMA – RU242 – Ch. 8)

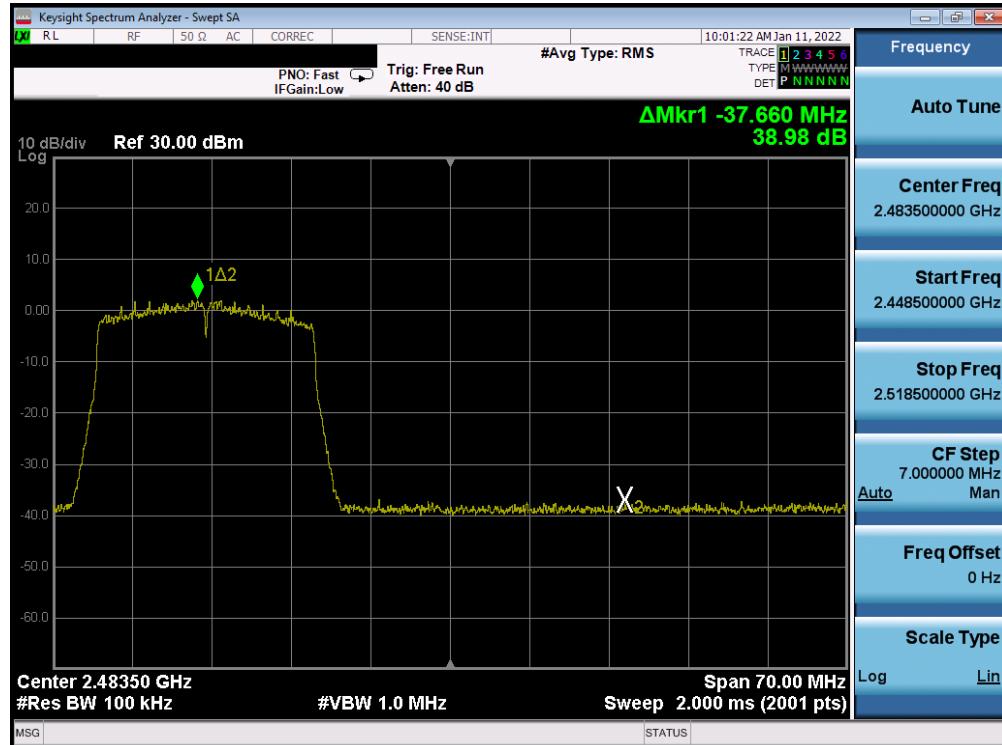


Plot 7-99. Band Edge Antenna 1a (802.11ax OFDMA – RU242 – Ch. 9)

FCC ID: BCGA2589 IC: 579C-A2589	<b>PCTEST</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 80 of 155

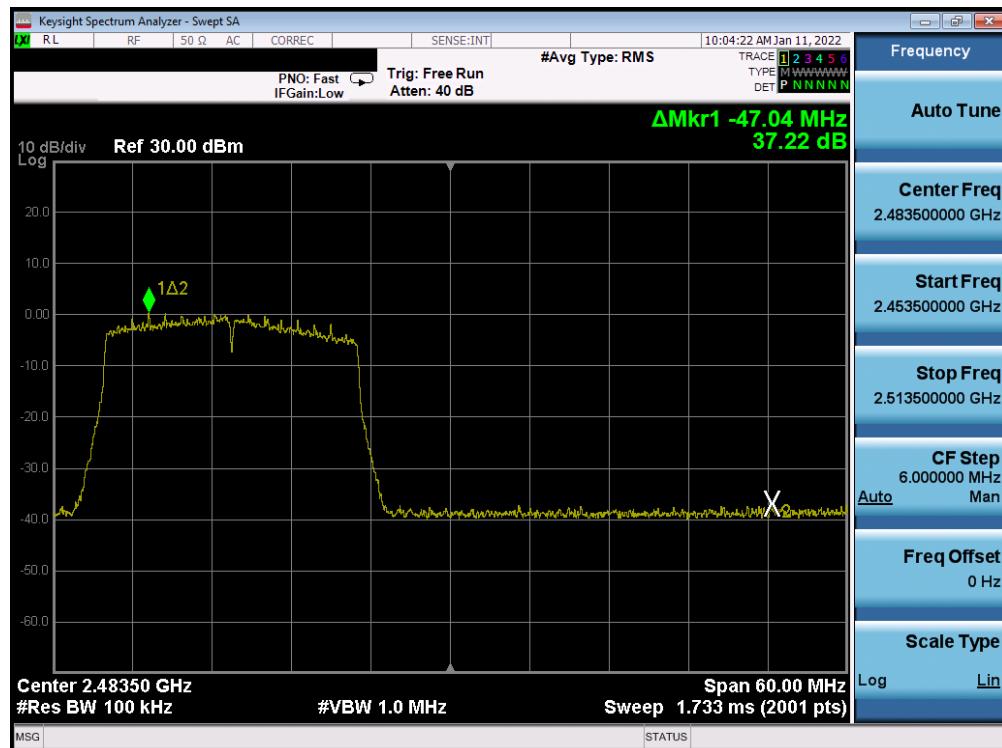


Plot 7-100. Band Edge Antenna 1a (802.11ax OFDMA – RU242 – Ch. 10)



Plot 7-101. Band Edge Antenna 1a (802.11ax OFDMA – RU242 – Ch. 11)

FCC ID: BCGA2589 IC: 579C-A2589	<b>PCTEST®</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 81 of 155



Plot 7-102. Band Edge Antenna 1a (802.11ax OFDMA – RU242 – Ch. 12)

FCC ID: BCGA2589 IC: 579C-A2589	<b>PCTEST®</b> Proud to be part of 		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 82 of 155	

## 7.6 Conducted Spurious Emissions

§15.247(d); RSS-247 [5.5]

### Test Overview and Limit

All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates, tone configurations, and RU indices were investigated to determine the worst case configuration. For the following out of band conducted emissions plots, the EUT was set to a data rate of MCS0 in 802.11ax-RU mode as this setting produced the worst-case emissions.

***The limit for out-of-band spurious emissions at the band edge is 20dB below the fundamental emission level, as determined from the in-band power measurement of the DTS channel performed in a 100kHz bandwidth per the procedure in Subclause 11.11 of ANSI C63.10-2013 and KDB 558074 D01 v05r02.***

### Test Procedure Used

ANSI C63.10-2013 – Subclause 11.11.3

KDB 558074 D01 v05r02 – Section 8.5

ANSI C63.10-2013 – Subclause 14.3.3

KDB 662911 D01 v02r01 – Section E)3)b)

### Test Settings

1. Start frequency was set to 30MHz and stop frequency was set to 25GHz (separated into two plots per channel)
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = Peak
5. Trace mode = max hold
6. Sweep time = auto couple
7. The trace was allowed to stabilize

### Test Setup

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



**Figure 7-5. Test Instrument & Measurement Setup**

FCC ID: BCGA2589 IC: 579C-A2589	 <b>PCTEST®</b> Proud to be part of  <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 83 of 155

© 2022 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact [INFO@PCTEST.COM](mailto:INFO@PCTEST.COM).

V 10.5 12/15/2021

## Test Notes

1. RBW was set to 1MHz rather than 100kHz in order to increase the measurement speed.
2. The display line shown in the following plots denotes the limit at 20dB below the fundamental emission level measured in a 100kHz bandwidth. However, since the traces in the following plots are measured with a 1MHz RBW, the display line may not necessarily appear to be 20dB below the level of the fundamental in a 1MHz bandwidth.
3. For plots showing conducted spurious emissions near the limit, the frequencies were investigated with a reduced RBW to ensure that no emissions were present.
4. The conducted spurious emissions were measured to relative limits. Therefore, in accordance with ANSI C63.10-2013 and KDB 662911 D01 v02r01 Section E)3)b), it was unnecessary to show compliance through the summation of test results of the individual outputs.
5. All antenna configurations and data rates were investigated and only the worst case are reported.
6. All RU's were investigated and only worst case partially-loaded and fully-loaded RU's are reported.

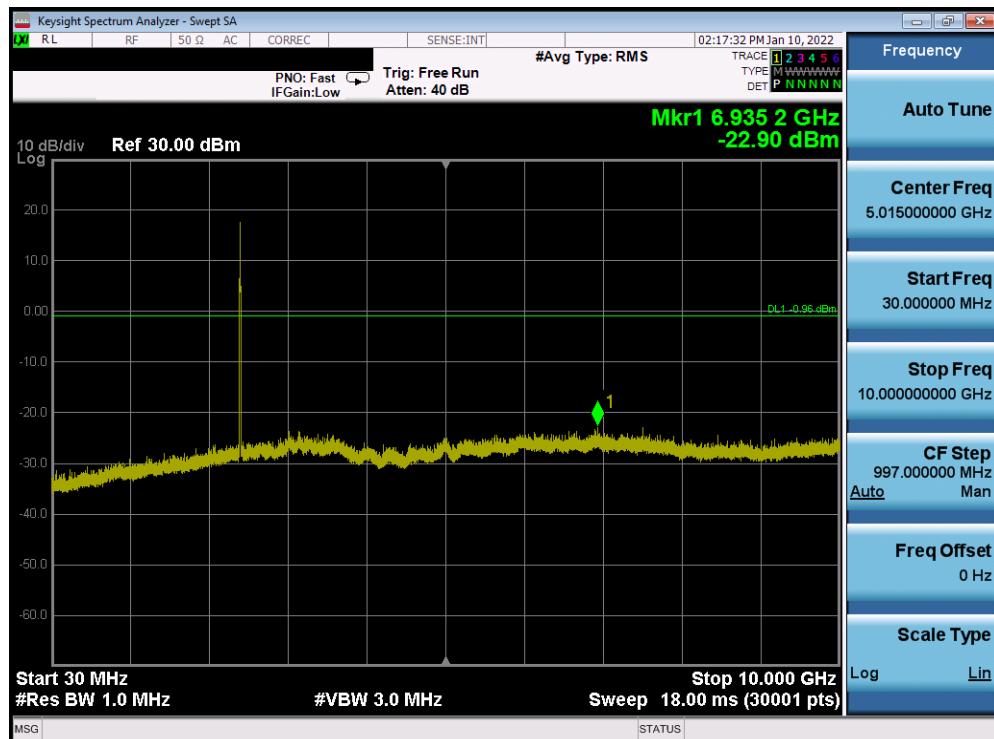
FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST <sup>®</sup> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 84 of 155

© 2022 PCTEST

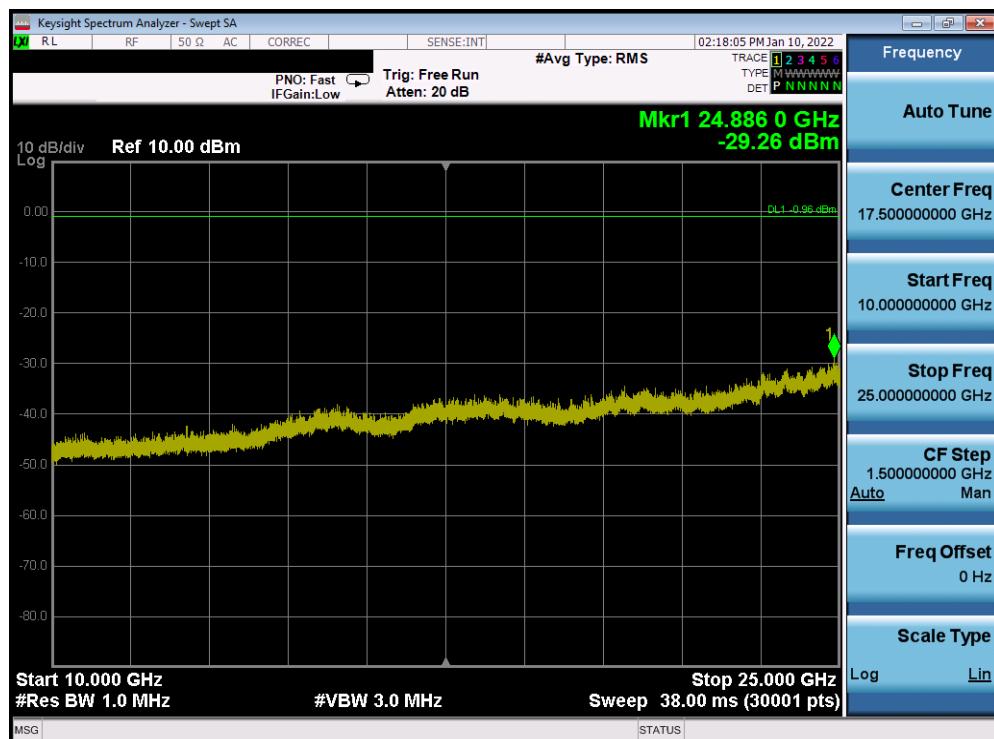
V 10.5 12/15/2021

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact [INFO@PCTEST.COM](mailto:INFO@PCTEST.COM).

## Antenna 3a Conducted Spurious Emission

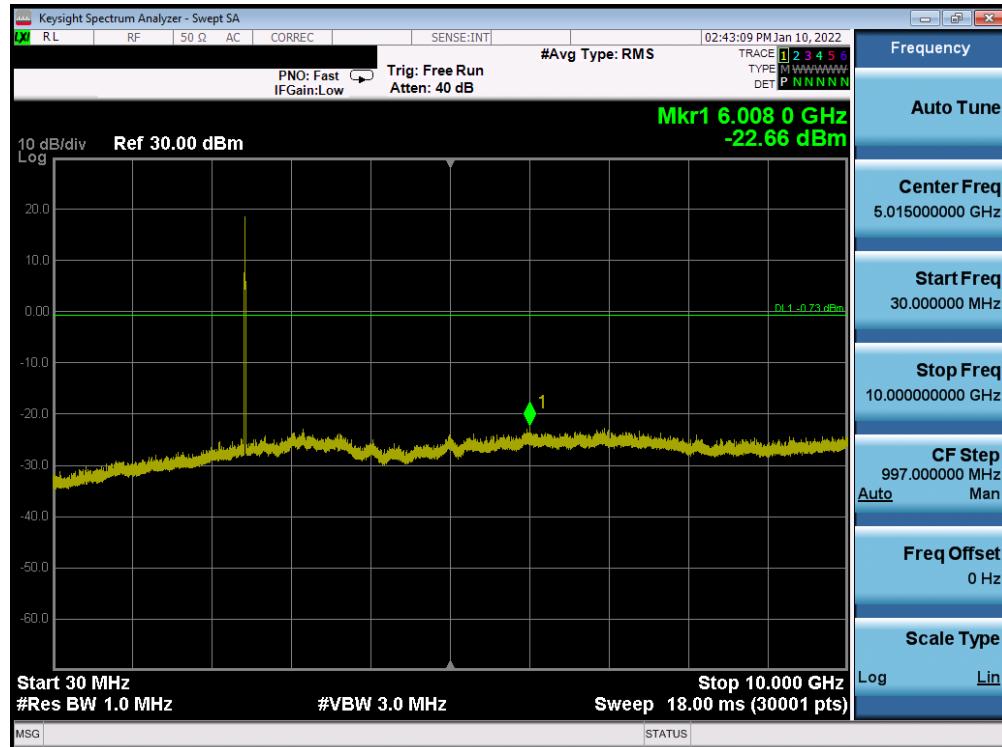


Plot 7-103. Conducted Spurious Plot Antenna 3a (802.11ax OFDMA – RU26 – Ch. 1)

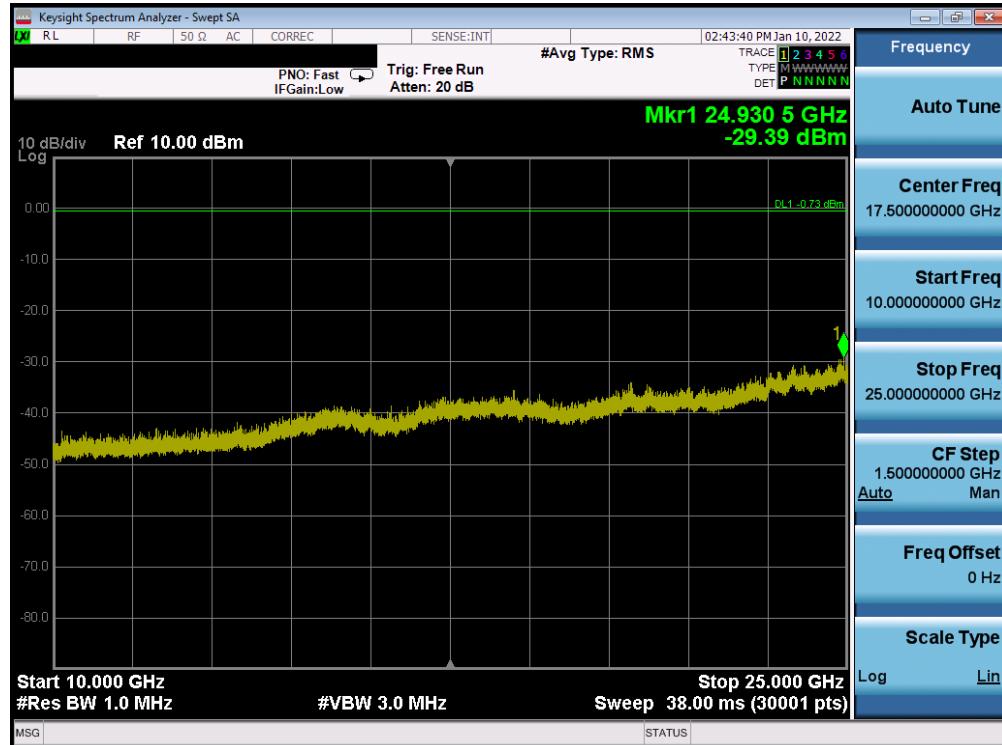


Plot 7-104. Conducted Spurious Plot Antenna 3a (802.11ax OFDMA – RU26 – Ch. 1)

FCC ID: BCGA2589 IC: 579C-A2589	 <b>PCTEST®</b> Proud to be part of 		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device		Page 85 of 155

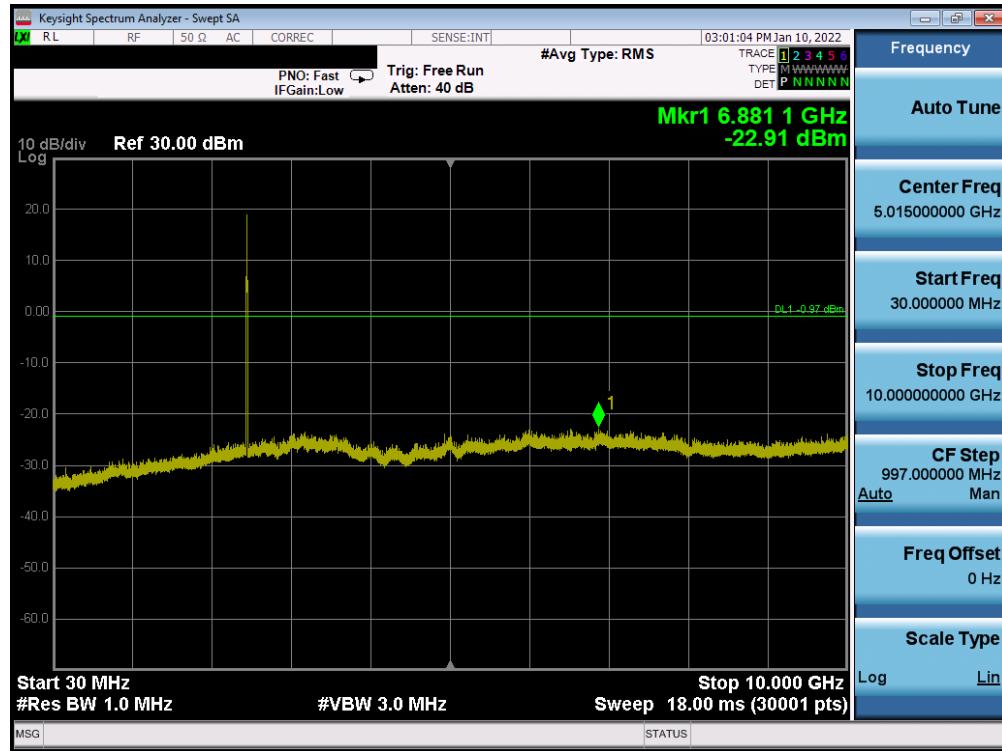


Plot 7-105. Conducted Spurious Plot Antenna 3a (802.11ax OFDMA – RU26 – Ch. 6)

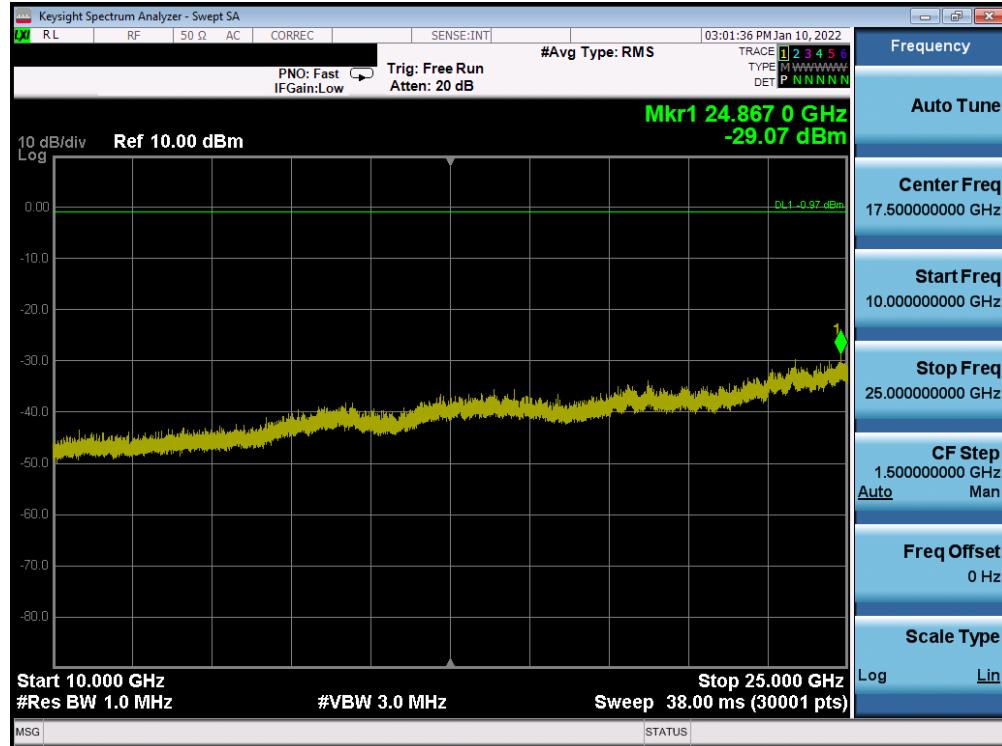


Plot 7-106. Conducted Spurious Plot Antenna 3a (802.11ax OFDMA – RU26 – Ch. 6)

FCC ID: BCGA2589 IC: 579C-A2589	<b>PCTEST®</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 86 of 155

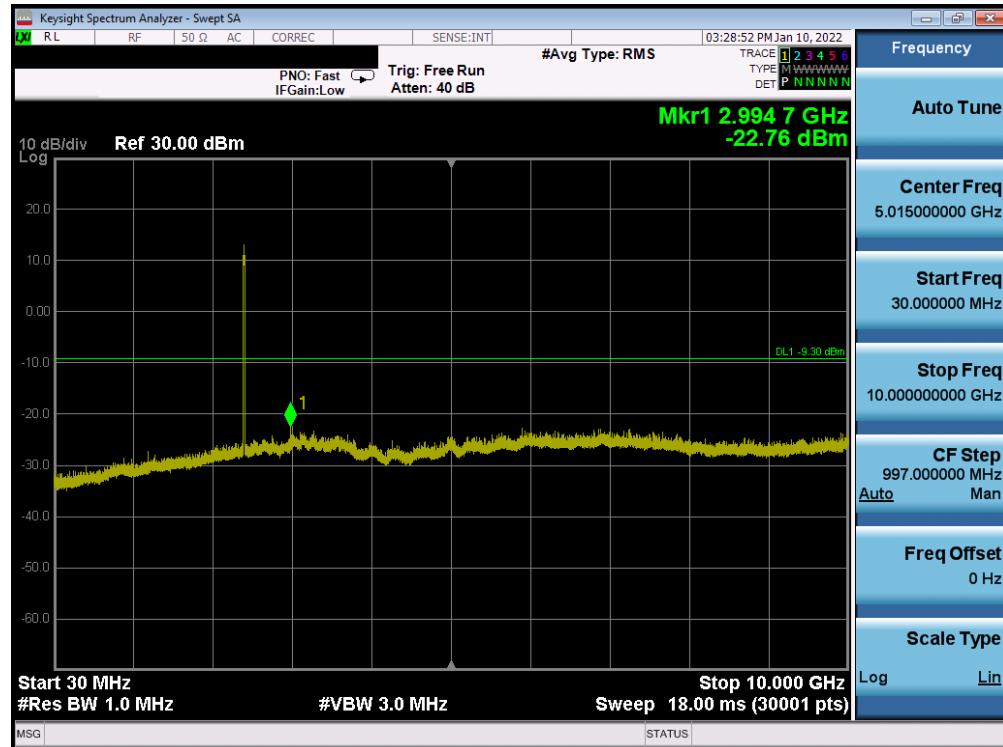


Plot 7-107. Conducted Spurious Plot Antenna 3a (802.11ax OFDMA – RU26 – Ch. 11)

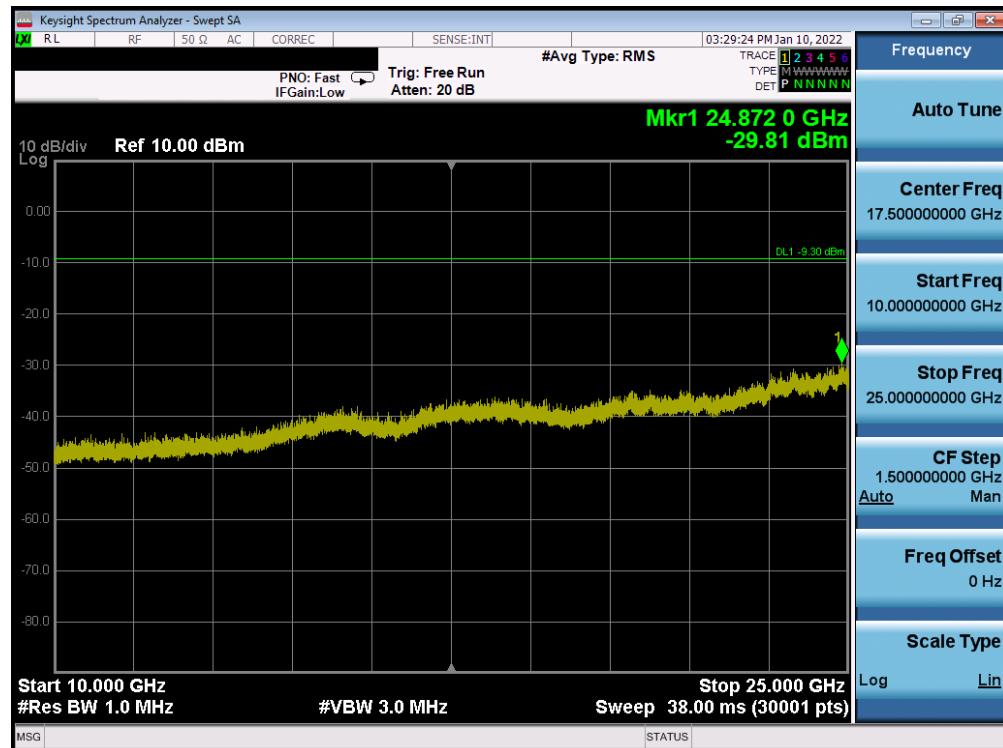


Plot 7-108. Conducted Spurious Plot Antenna 3a (802.11ax OFDMA – RU26 – Ch. 11)

FCC ID: BCGA2589 IC: 579C-A2589	<b>PCTEST®</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 87 of 155

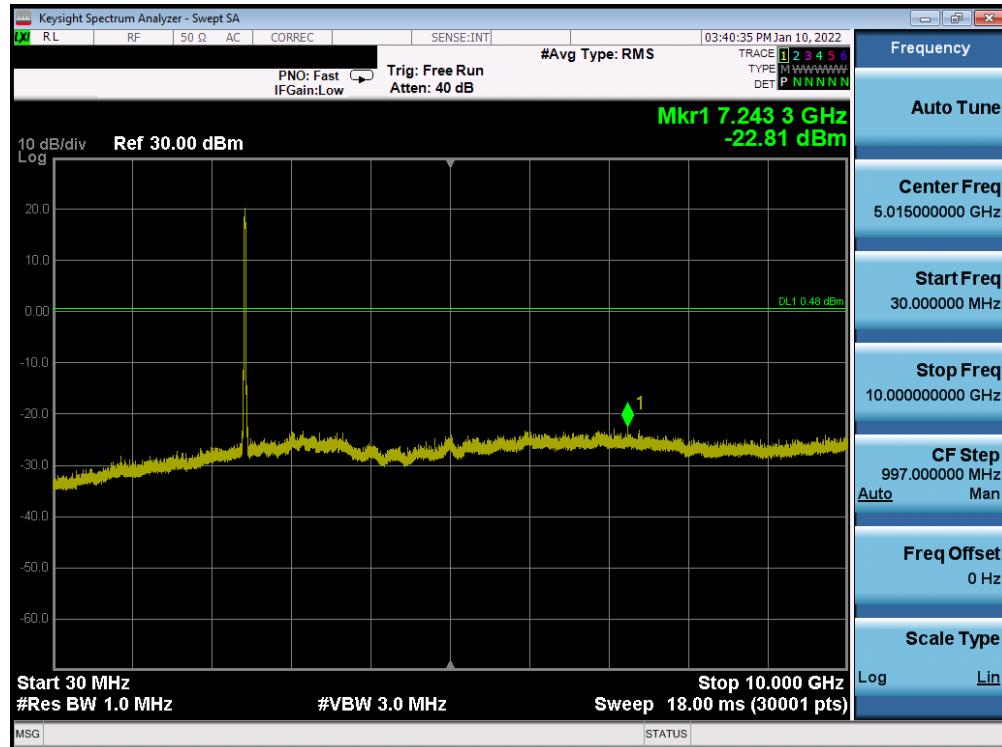


Plot 7-109. Conducted Spurious Plot Antenna 3a (802.11ax OFDMA – RU242 – Ch. 1)

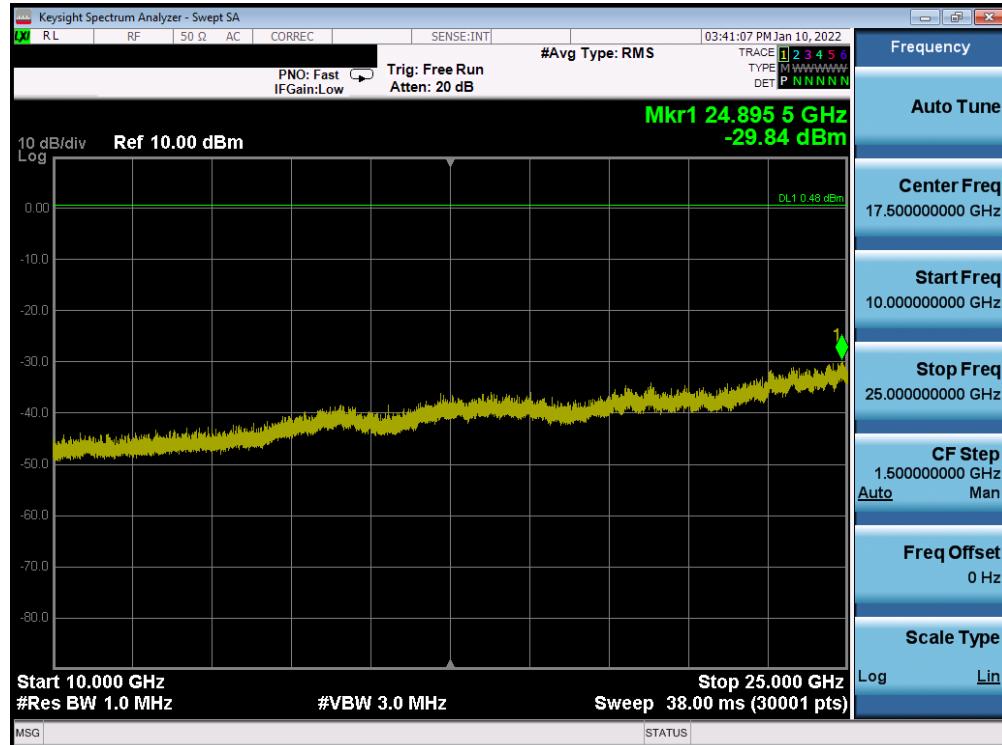


Plot 7-110. Conducted Spurious Plot Antenna 3a (802.11ax OFDMA – RU242 – Ch. 1)

FCC ID: BCGA2589 IC: 579C-A2589	<b>PCTEST®</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 88 of 155

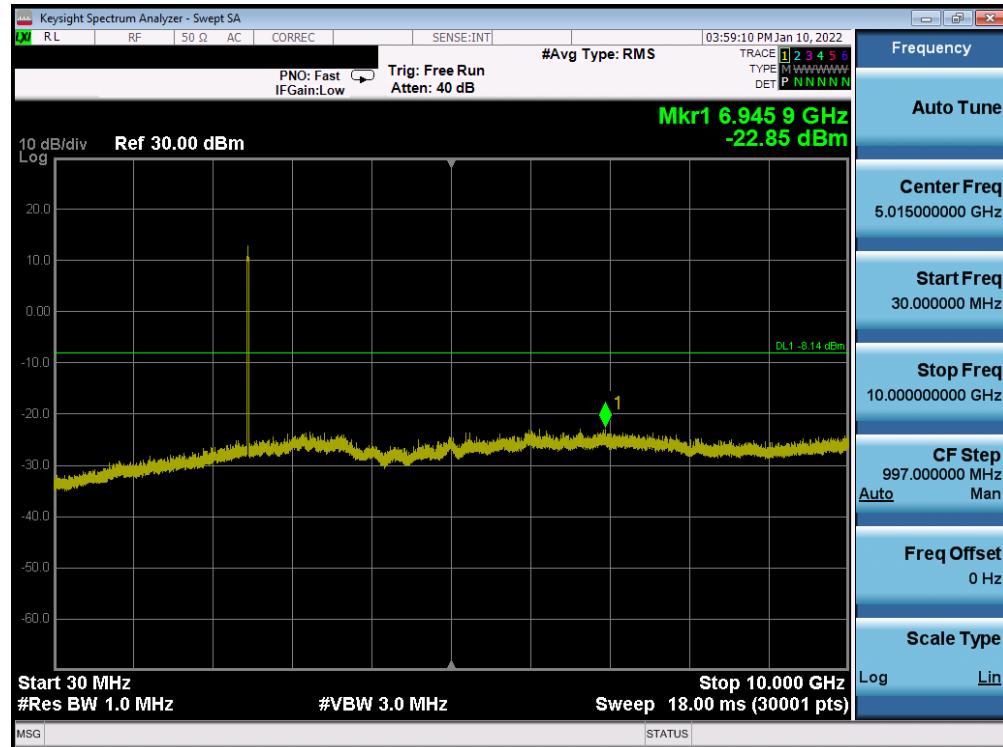


Plot 7-111. Conducted Spurious Plot Antenna 3a (802.11ax OFDMA – RU242 – Ch. 6)

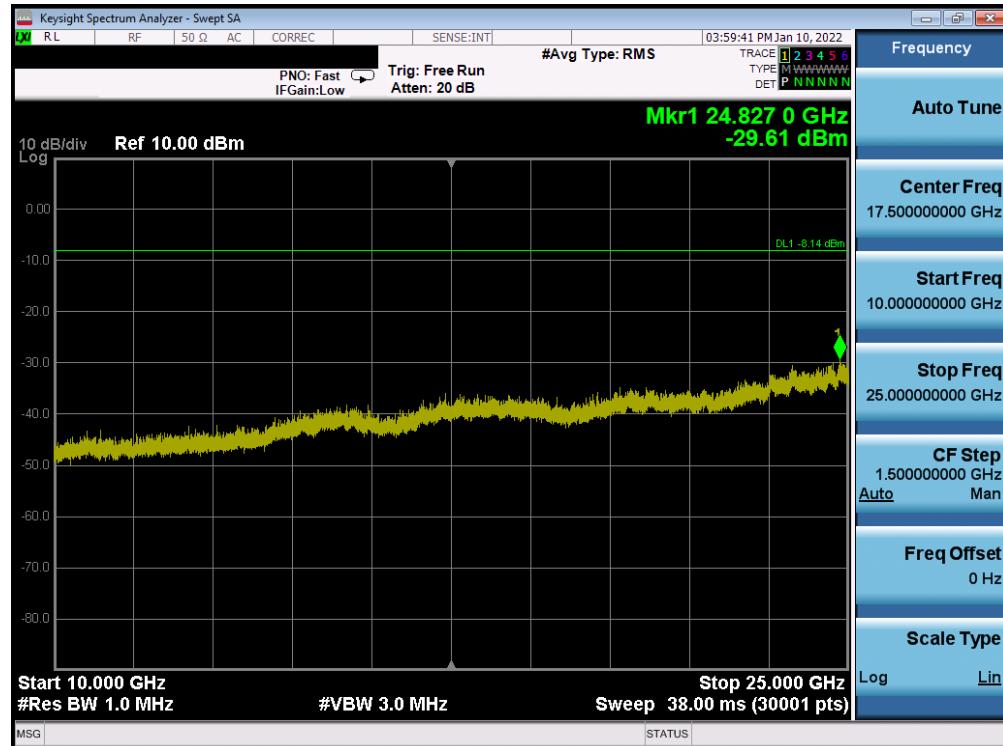


Plot 7-112. Conducted Spurious Plot Antenna 3a (802.11ax OFDMA – RU242 – Ch. 6)

FCC ID: BCGA2589 IC: 579C-A2589	<b>PCTEST®</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 89 of 155



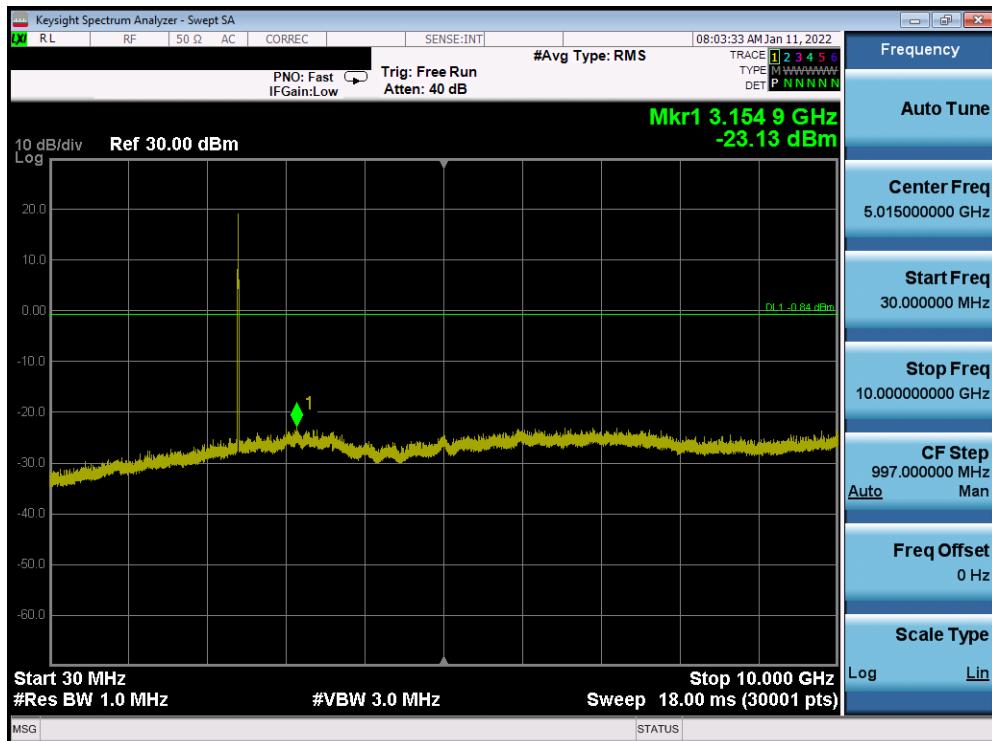
Plot 7-113. Conducted Spurious Plot Antenna 3a (802.11ax OFDMA – RU242 – Ch. 11)



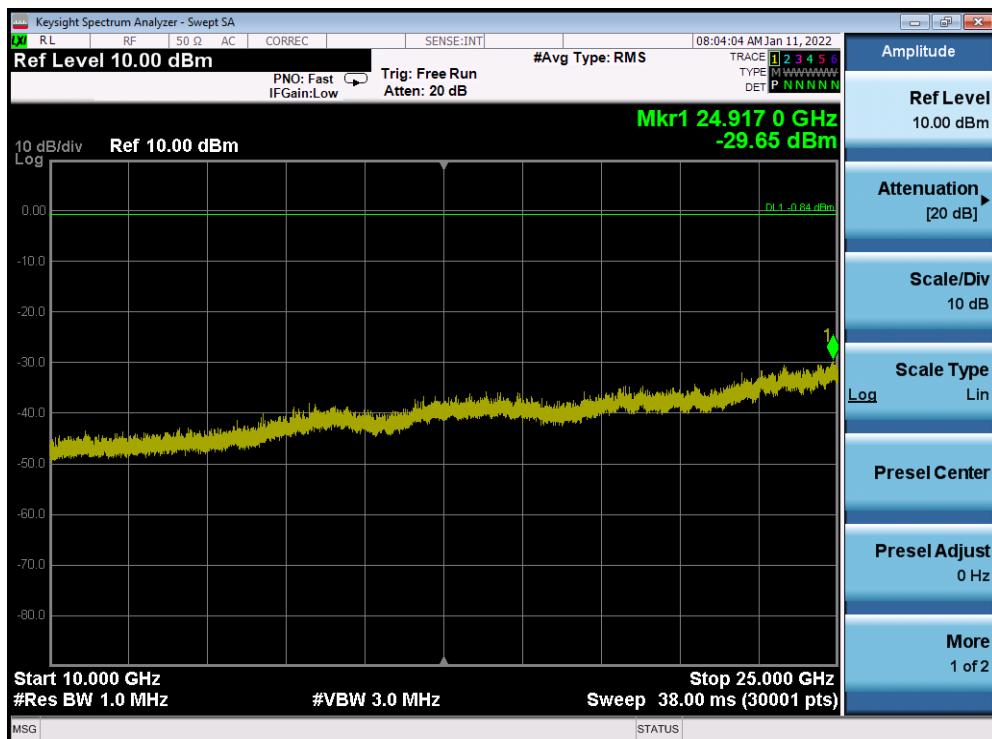
Plot 7-114. Conducted Spurious Plot Antenna 3a (802.11ax OFDMA – RU242 – Ch. 11)

FCC ID: BCGA2589 IC: 579C-A2589	<b>PCTEST®</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 90 of 155

## Antenna 1a Conducted Spurious Emissions

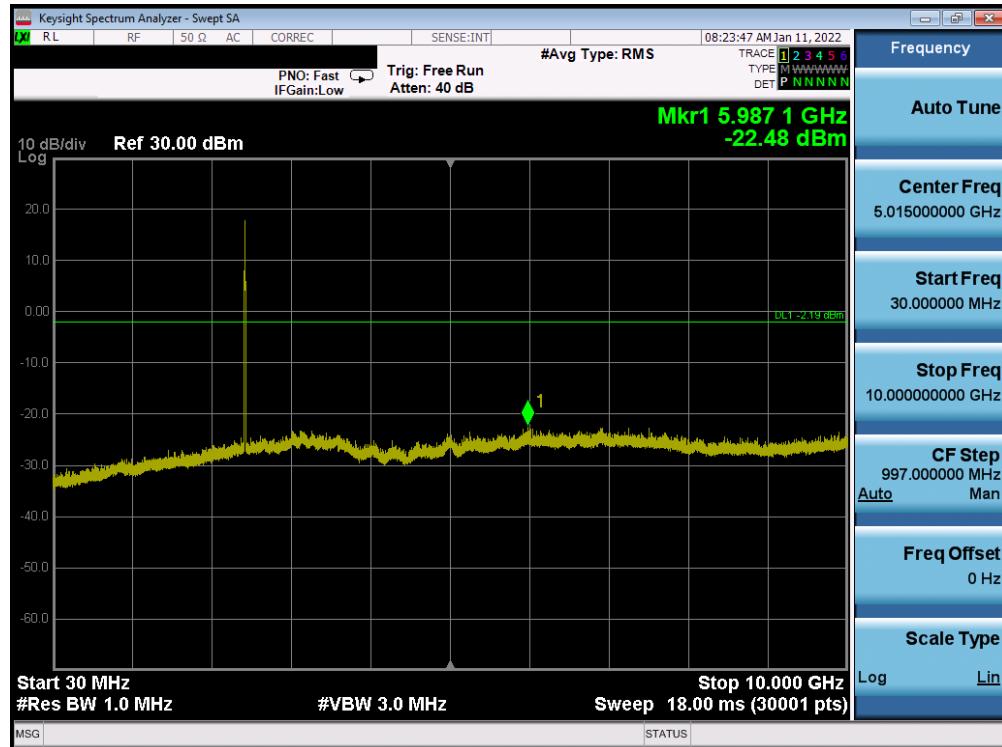


Plot 7-115. Conducted Spurious Plot Antenna 1a (802.11ax OFDMA – RU26 – Ch. 1)

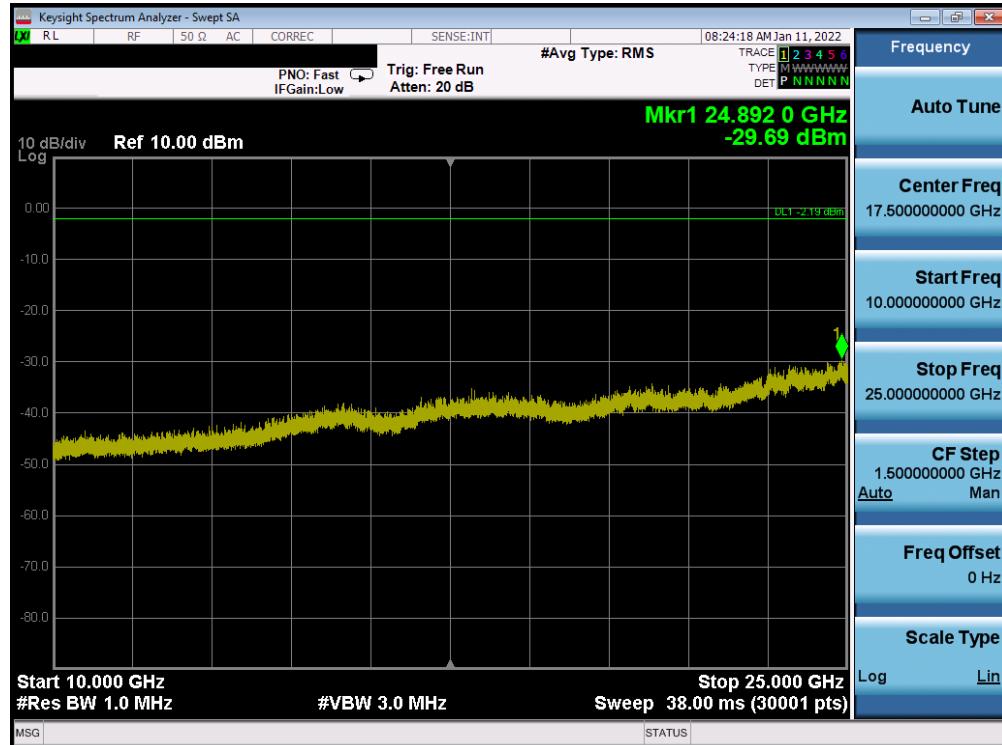


Plot 7-116. Conducted Spurious Plot Antenna 1a (802.11ax OFDMA – RU26 – Ch. 1)

FCC ID: BCGA2589 IC: 579C-A2589	<b>PCTEST®</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 91 of 155

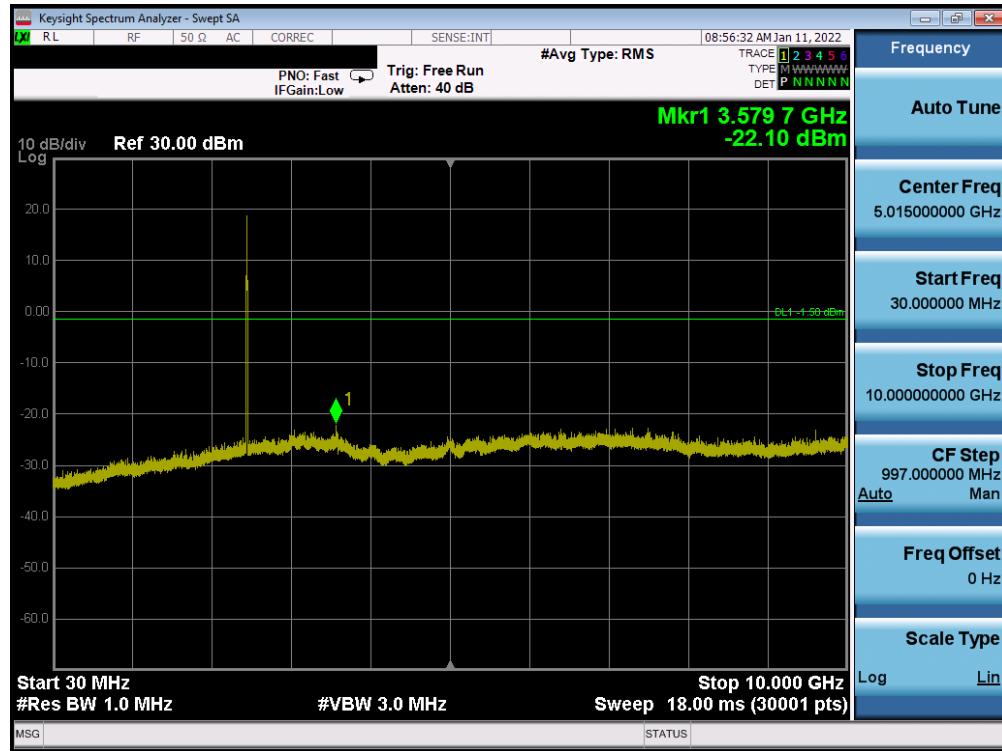


Plot 7-117. Conducted Spurious Plot Antenna 1a (802.11ax OFDMA – RU26 – Ch. 6)

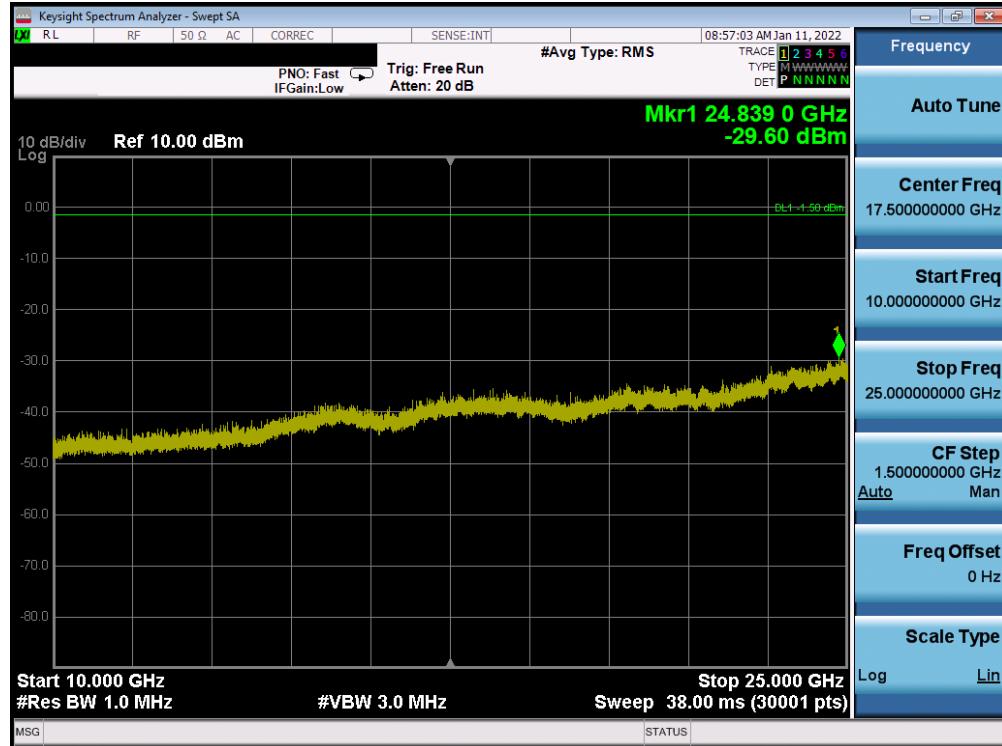


Plot 7-118. Conducted Spurious Plot Antenna 1a (802.11ax OFDMA – RU26 – Ch. 6)

FCC ID: BCGA2589 IC: 579C-A2589	<b>PCTEST®</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 92 of 155

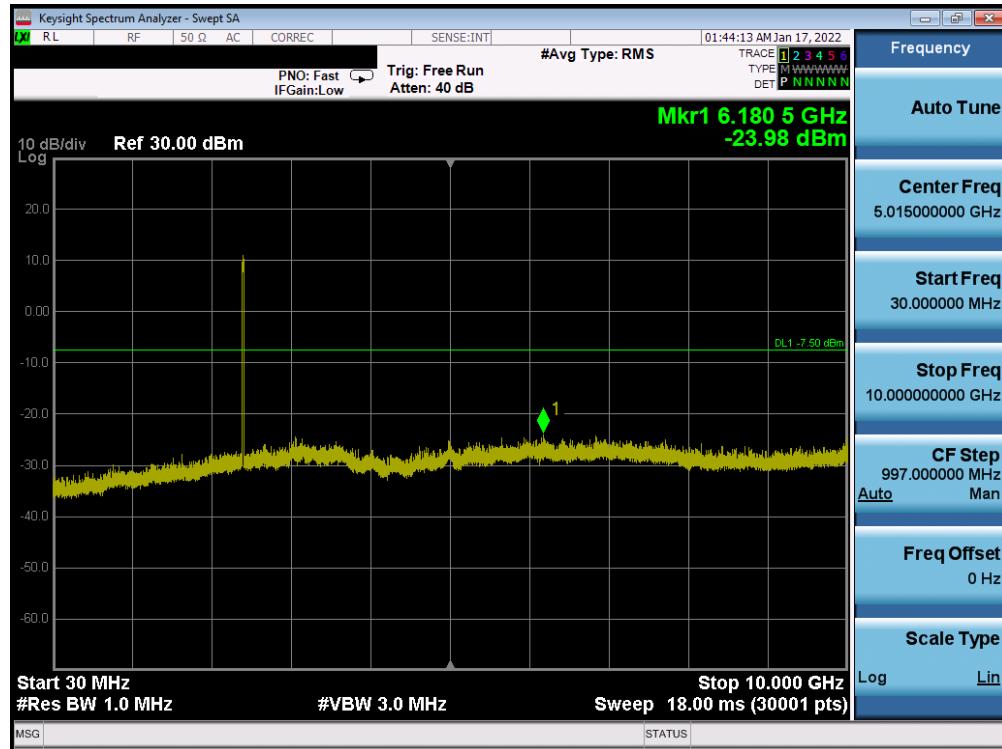


Plot 7-119. Conducted Spurious Plot Antenna 1a (802.11ax OFDMA – RU26 – Ch. 11)

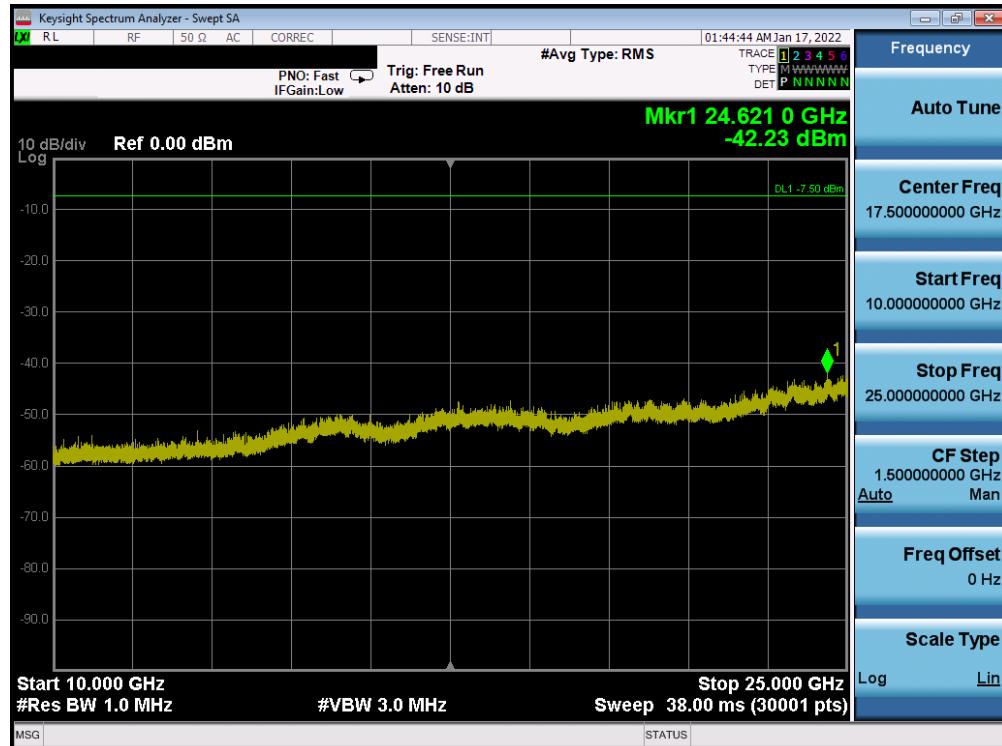


Plot 7-120. Conducted Spurious Plot Antenna 1a (802.11ax OFDMA – RU26 – Ch. 11)

FCC ID: BCGA2589 IC: 579C-A2589	<b>PCTEST®</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 93 of 155

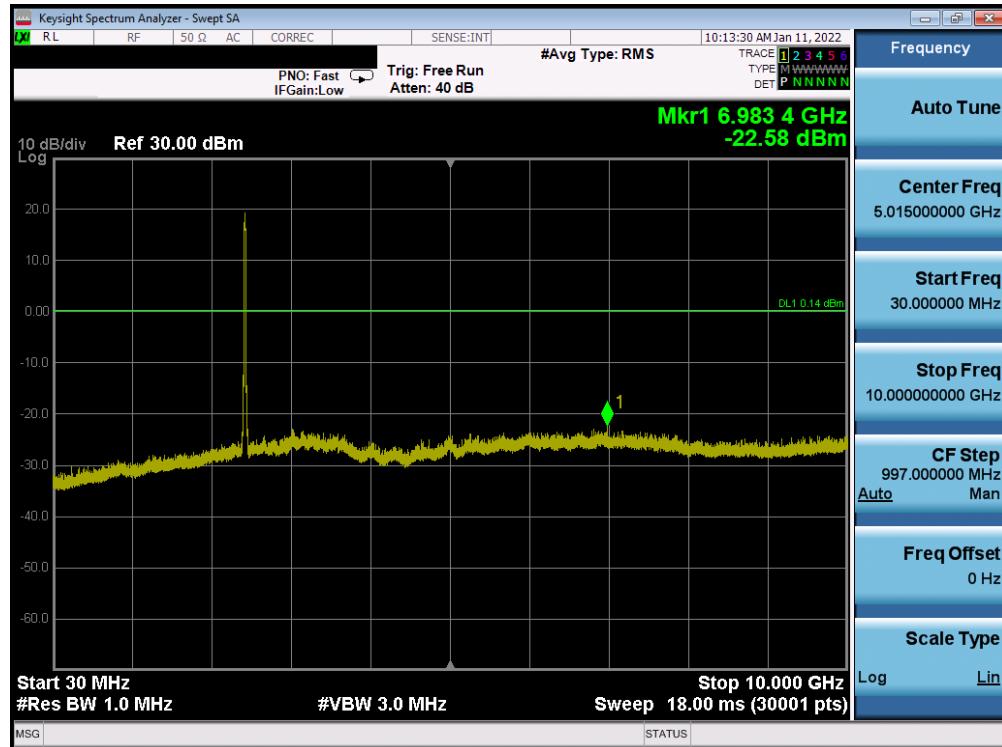


Plot 7-121. Conducted Spurious Plot Antenna 1a (802.11ax OFDMA – RU242 – Ch. 1)

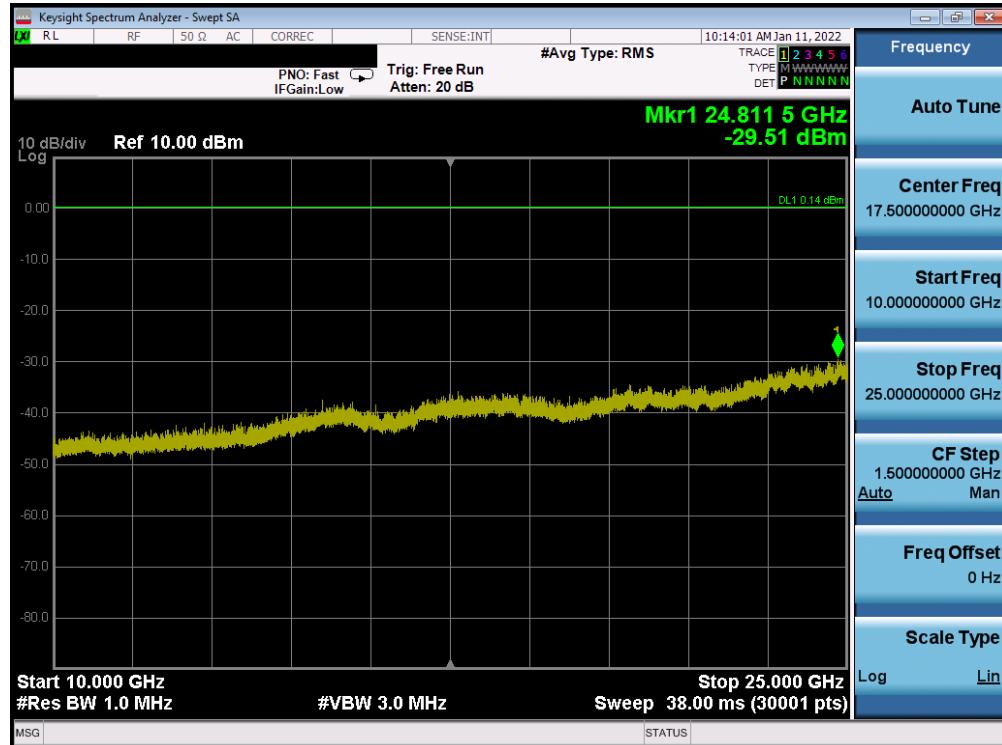


Plot 7-122. Conducted Spurious Plot Antenna 1a (802.11ax OFDMA – RU242 – Ch. 1)

FCC ID: BCGA2589 IC: 579C-A2589	<b>PCTEST®</b> Proud to be part of 		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device		Page 94 of 155

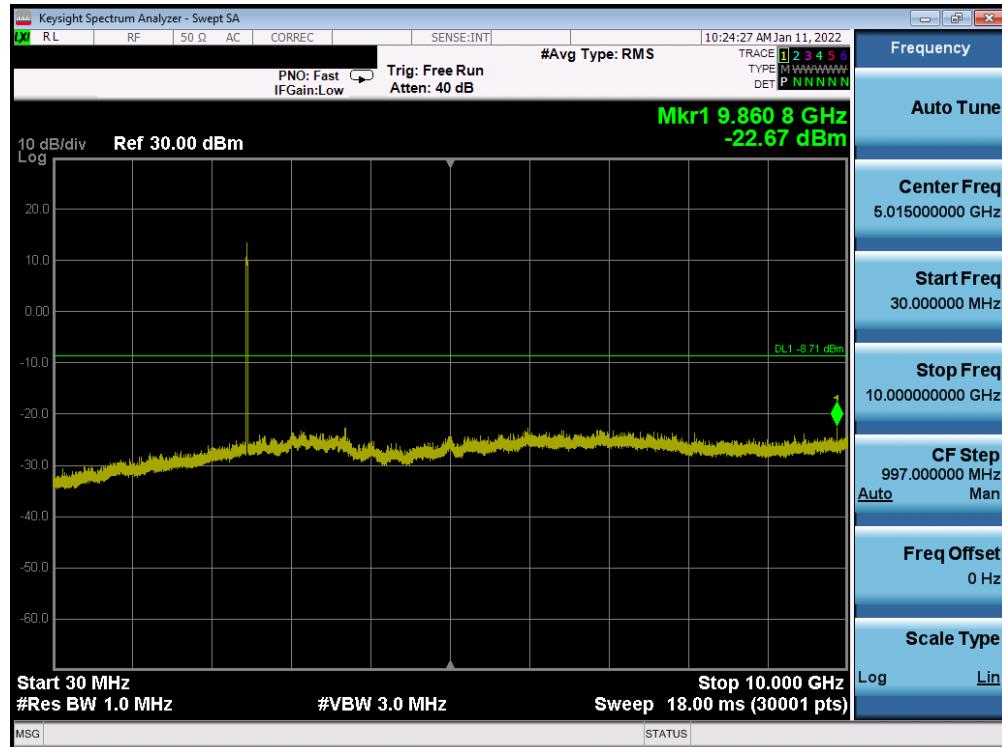


Plot 7-123. Conducted Spurious Plot Antenna 1a (802.11ax OFDMA – RU242 – Ch. 6)

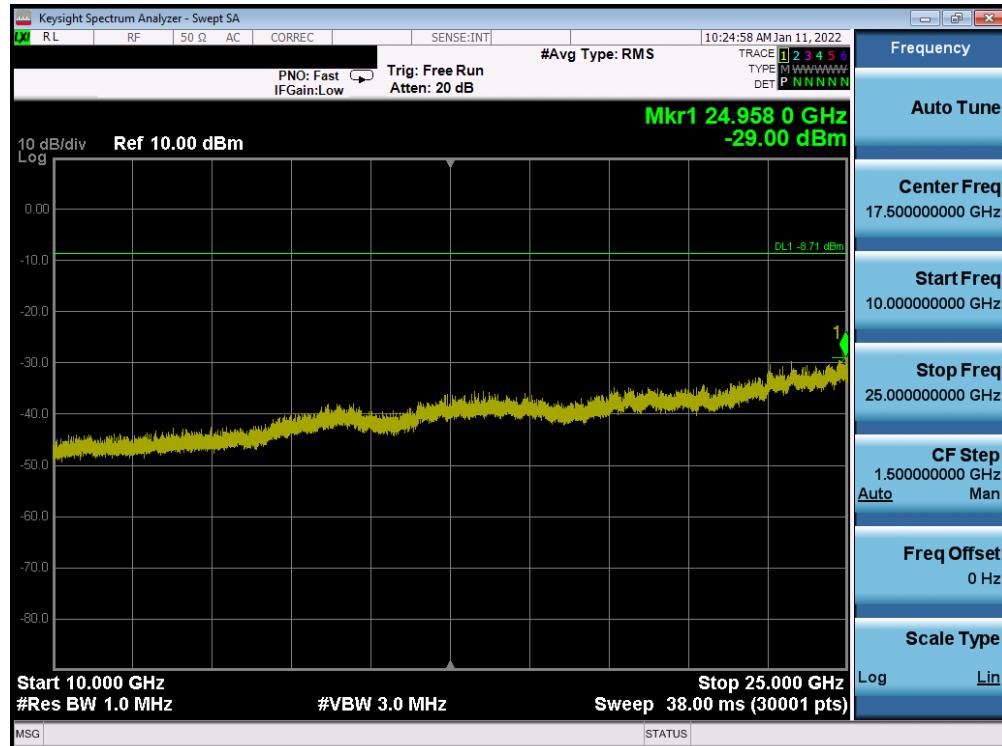


Plot 7-124. Conducted Spurious Plot Antenna 1a (802.11ax OFDMA – RU242 – Ch. 6)

FCC ID: BCGA2589 IC: 579C-A2589	<b>PCTEST®</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 95 of 155



Plot 7-125. Conducted Spurious Plot Antenna 1a (802.11ax OFDMA – RU242 – Ch. 11)



Plot 7-126. Conducted Spurious Plot Antenna 1a (802.11ax OFDMA – RU242 – Ch. 11)

FCC ID: BCGA2589 IC: 579C-A2589	<b>PCTEST®</b> Proud to be part of 		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 96 of 155	

## 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 7-19 per Section 15.209 and RSS-Gen (8.9).***

Frequency	Field Strength [ $\mu$ V/m]	Measured Distance [Meters]
Above 960.0 MHz	500	3

Table 7-19. Radiated Limits

### Test Procedures Used

ANSI C63.10-2013 – 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)
5. Number of measurement points = 1001 (Number of points must be  $\geq 2 \times$  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

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST® Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 97 of 155

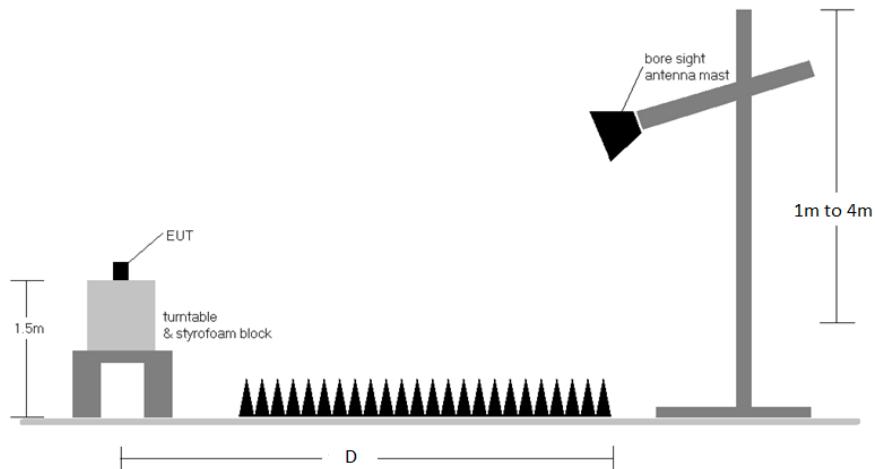
© 2022 PCTEST

V 10.5 12/15/2021

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact [INFO@PCTEST.COM](mailto:INFO@PCTEST.COM).

## Test Setup

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



**Figure 7-6. Radiated Measurement Setup**

## Test Notes

1. 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 7-19.
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.
6. 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 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.

FCC ID: BCGA2589 IC: 579C-A2589	 Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 98 of 155

## Sample Calculations

### Determining Spurious Emissions Levels

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

### Radiated Band Edge Measurement Offset

- The amplitude offset shown in the radiated restricted band edge plots in Section 7.7 was calculated using the formula:

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

FCC ID: BCGA2589 IC: 579C-A2589	 <b>PCTEST®</b> Proud to be part of 		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 99 of 155	

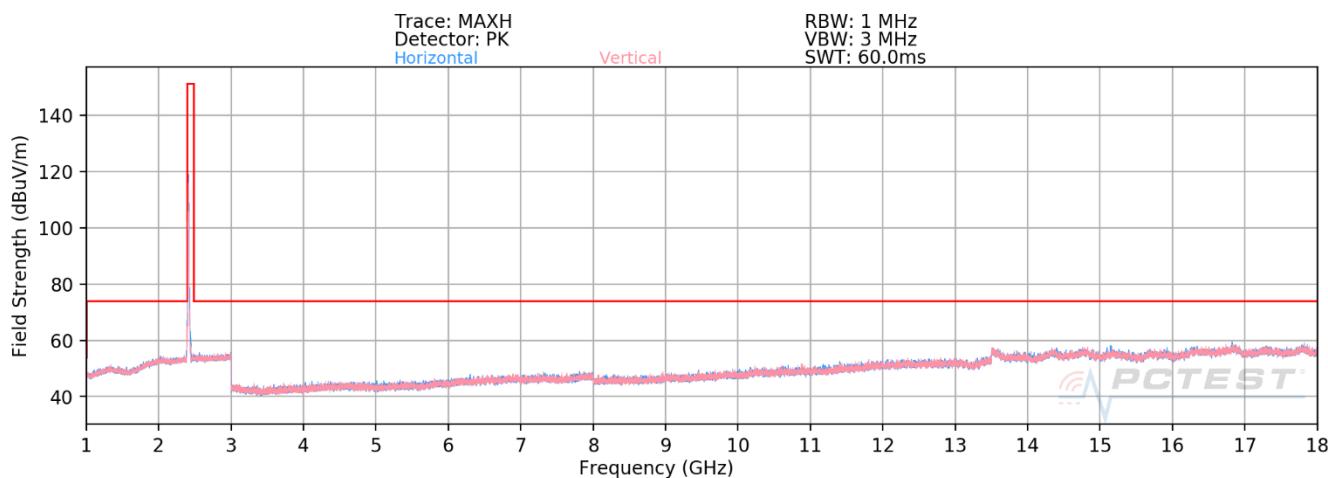
© 2022 PCTEST

V 10.5 12/15/2021

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact [INFO@PCTEST.COM](mailto:INFO@PCTEST.COM).

### 7.7.1 Antenna 3a Radiated Spurious Emission Measurements

§15.247(d) §15.205 & §15.209; RSS-Gen [8.9]



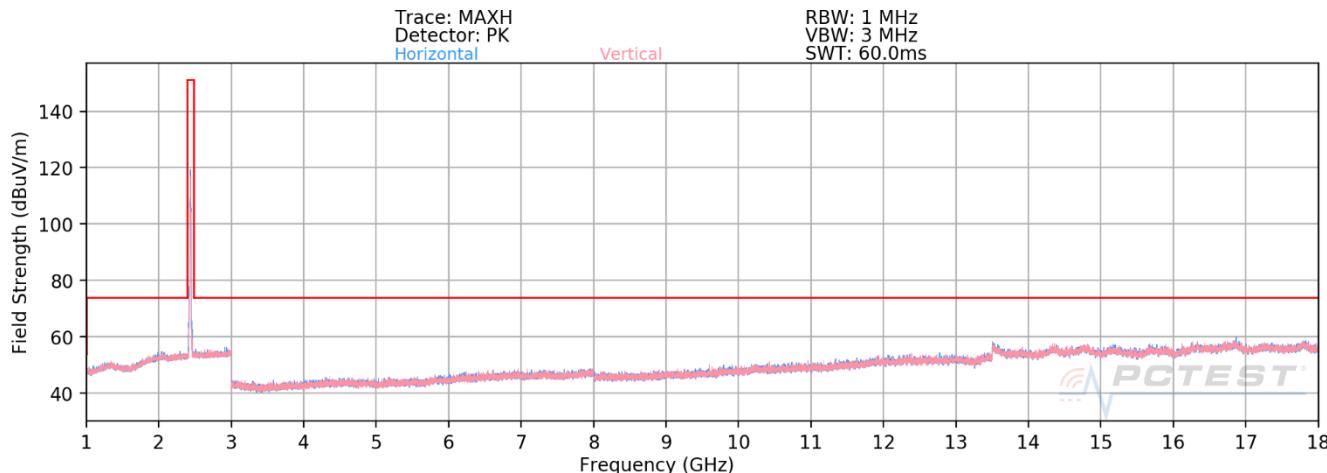
**Plot 7-127. Radiated Spurious Emissions above 1GHz Antenna 3a (802.11ax OFDMA – RU26 – Ch. 1)**

Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 4  
 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 [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4824.00	Avg	V	-	-	-78.08	5.48	34.40	53.98	-19.58
4824.00	Peak	V	-	-	-66.18	5.48	46.30	73.98	-27.68
12060.00	Avg	V	-	-	-84.34	18.48	41.14	53.98	-12.83
12060.00	Peak	V	-	-	-72.99	18.48	52.49	73.98	-21.48

**Table 7-20. Radiated Measurements Antenna 3a (RU26)**

FCC ID: BCGA2589 IC: 579C-A2589	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 100 of 155	



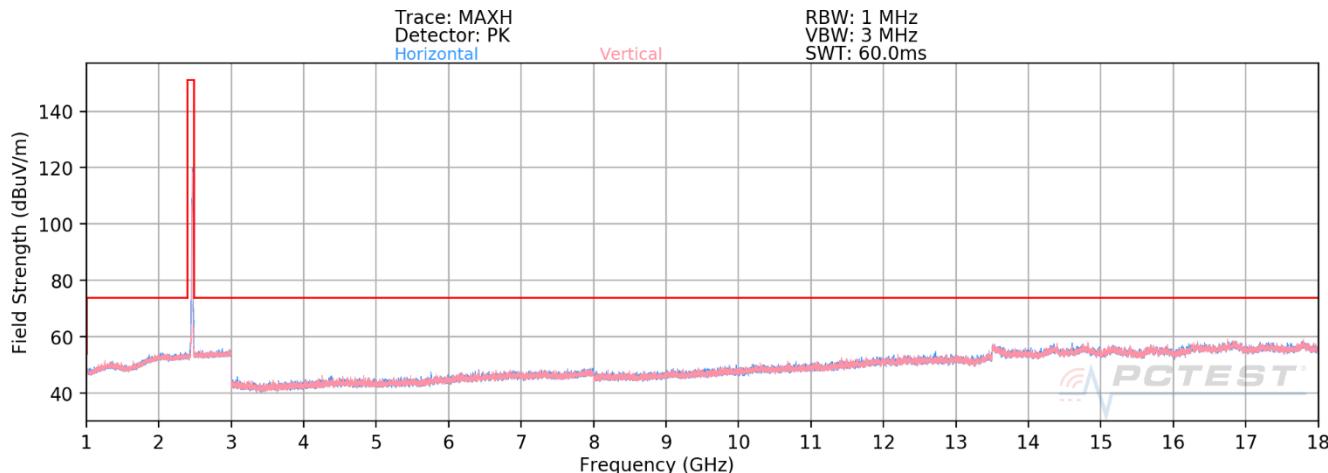
**Plot 7-128. Radiated Spurious Emissions above 1GHz Antenna 3a (802.11ax OFDMA – RU26 – Ch. 6)**

Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 4  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2437MHz  
 Channel: 06

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4874.00	Avg	V	-	-	-78.25	5.45	34.20	53.98	-19.78
4874.00	Peak	V	-	-	-66.55	5.45	45.90	73.98	-28.08
7311.00	Avg	V	-	-	-79.82	9.50	36.68	53.98	-17.30
7311.00	Peak	V	-	-	-68.21	9.50	48.29	73.98	-25.69
12185.00	Avg	V	-	-	-84.27	18.17	40.90	53.98	-13.08
12185.00	Peak	V	-	-	-73.11	18.17	52.06	73.98	-21.92

**Table 7-21. Radiated Measurements Antenna 3a (RU26)**

FCC ID: BCGA2589 IC: 579C-A2589	 <b>PCTEST®</b> Proud to be part of 			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device			Page 101 of 155



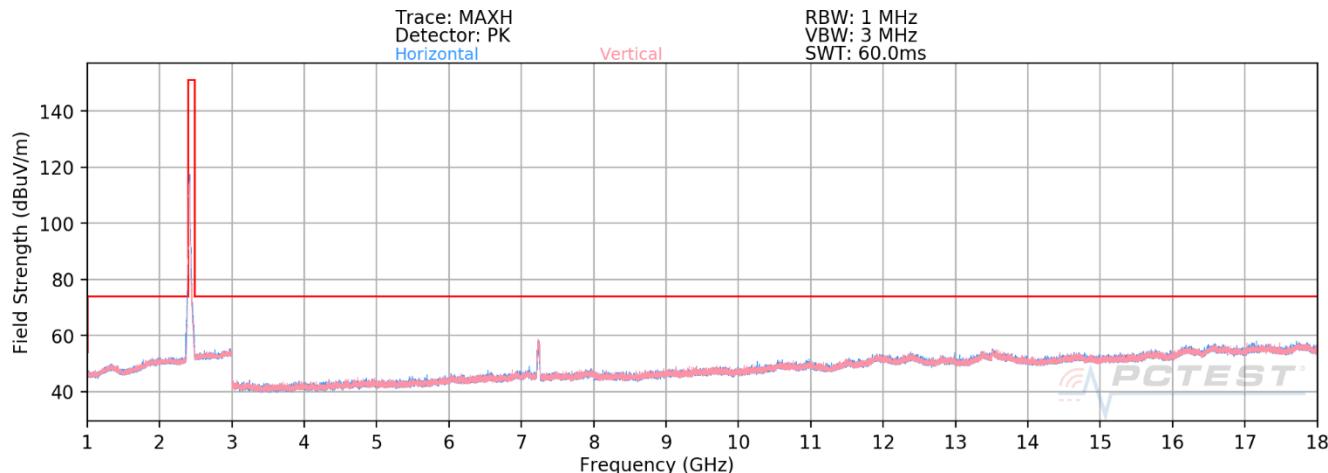
**Plot 7-129. Radiated Spurious Emissions above 1GHz Antenna 3a (802.11ax OFDMA – RU26 – Ch. 11)**

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 [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4924.00	Avg	V	-	-	-77.83	4.82	33.99	53.98	-19.99
4924.00	Peak	V	-	-	-65.88	4.82	45.94	73.98	-28.04
7386.00	Avg	V	-	-	-80.00	9.31	36.31	53.98	-17.66
7386.00	Peak	V	-	-	-68.20	9.31	48.11	73.98	-25.86
12310.00	Avg	V	-	-	-84.00	18.38	41.38	53.98	-12.60
12310.00	Peak	V	-	-	-73.33	18.38	52.05	73.98	-21.93

**Table 7-22. Radiated Measurements Antenna 3a (RU26)**

FCC ID: BCGA2589 IC: 579C-A2589	 <b>PCTEST®</b> Proud to be part of  <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 102 of 155	



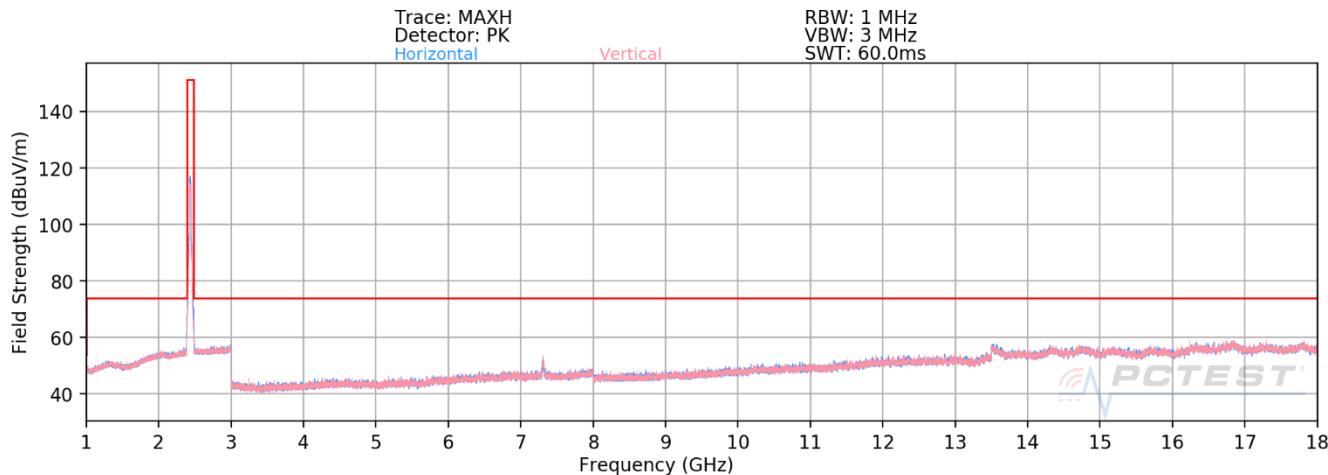
**Plot 7-130. Radiated Spurious Emissions above 1GHz Antenna 3a (802.11ax OFDMA – RU242 – Ch. 1)**

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 [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4824.00	Avg	H	-	-	-80.70	6.50	32.80	53.98	-21.18
4824.00	Peak	H	-	-	-70.29	6.50	43.21	73.98	-30.77
12060.00	Avg	H	-	-	-84.62	17.25	39.63	53.98	-14.34
12060.00	Peak	H	-	-	-73.08	17.25	51.17	73.98	-22.80

**Table 7-23. Radiated Measurements Antenna 3a (RU242)**

FCC ID: BCGA2589 IC: 579C-A2589	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 103 of 155	



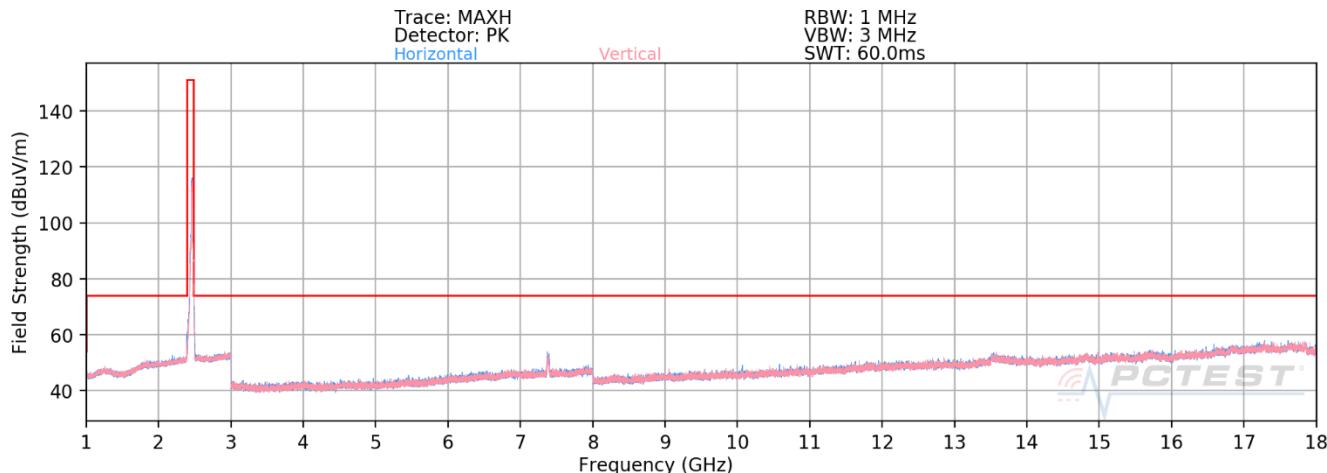
**Plot 7-131. Radiated Spurious Emissions above 1GHz Antenna 3a (802.11ax OFDMA – RU242 – Ch. 6)**

Worst Case Mode: 802.11ax OFDMA  
Worst Case Transfer Rate: MCS0  
RU Index: 61  
Distance of Measurements: 3 Meters  
Operating Frequency: 2437MHz  
Channel: 06

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4874.00	Avg	H	-	-	-78.35	5.45	34.10	53.98	-19.88
4874.00	Peak	H	-	-	-67.10	5.45	45.35	73.98	-28.63
7311.00	Avg	H	247	109	-73.12	9.50	43.38	53.98	-10.60
7311.00	Peak	H	247	109	-60.98	9.50	55.52	73.98	-18.46
12185.00	Avg	H	-	-	-84.09	18.17	41.08	53.98	-12.90
12185.00	Peak	H	-	-	-73.49	18.17	51.68	73.98	-22.30

**Table 7-24. Radiated Measurements Antenna 3a (RU242)**

FCC ID: BCGA2589 IC: 579C-A2589	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 104 of 155	



**Plot 7-132. Radiated Spurious Emissions above 1GHz Antenna 3a (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

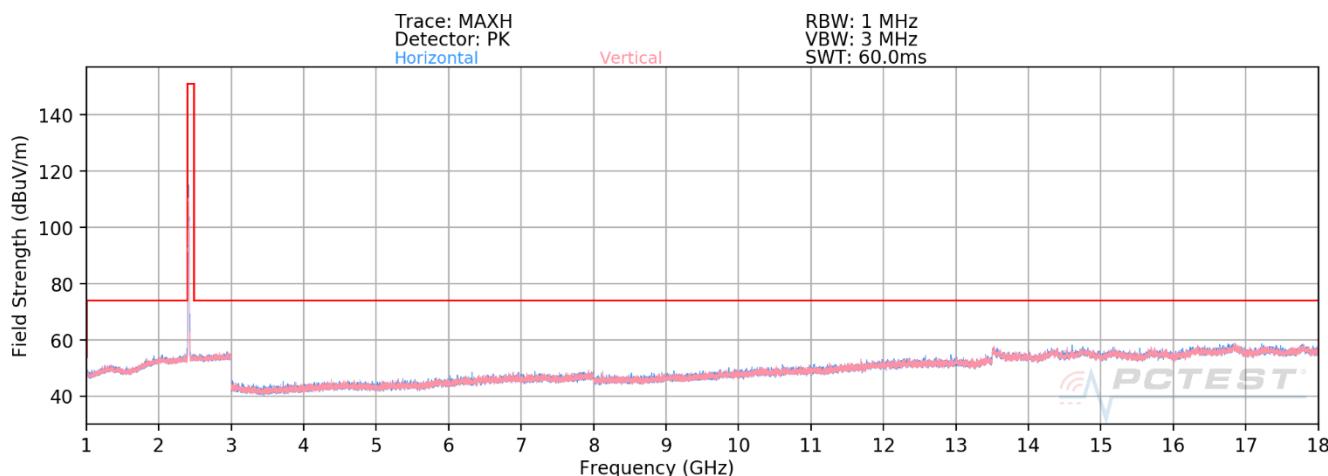
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4924.00	Avg	H	-	-	-81.05	6.55	32.50	53.98	-21.48
4924.00	Peak	H	-	-	-69.46	6.55	44.09	73.98	-29.89
7386.00	Avg	H	103	75	-73.75	10.22	43.47	53.98	-10.51
7386.00	Peak	H	103	75	-62.26	10.22	54.96	73.98	-19.02
12310.00	Avg	H	-	-	-85.04	17.59	39.55	53.98	-14.42
12310.00	Peak	H	-	-	-74.19	17.59	50.40	73.98	-23.57

**Table 7-25. Radiated Measurements Antenna 3a (RU242)**

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST® Proud to be part of 			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device			Page 105 of 155

## 7.7.2 Antenna 1a Radiated Spurious Emission Measurements

§15.247(d) §15.205 & §15.209; RSS-Gen [8.9]



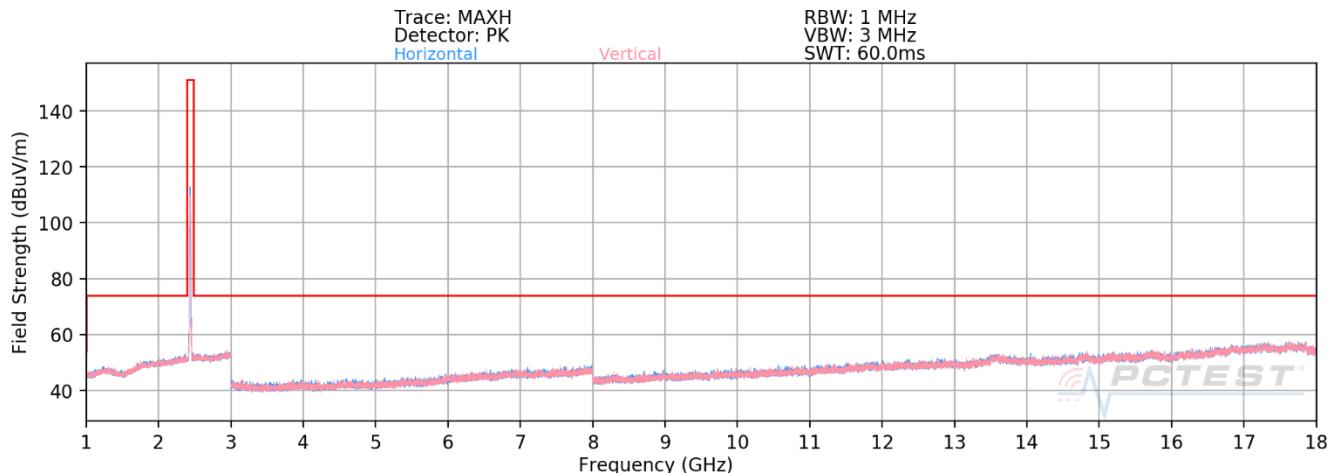
**Plot 7-133. Radiated Spurious Emissions above 1GHz Antenna 1a (802.11ax OFDMA – RU26 – Ch. 1)**

Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 4  
 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 [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4824.00	Avg	H	-	-	-78.20	5.48	34.28	53.98	-19.70
4824.00	Peak	H	-	-	-65.64	5.48	46.84	73.98	-27.14
12060.00	Avg	H	-	-	-83.32	18.48	42.16	53.98	-11.81
12060.00	Peak	H	-	-	-73.00	18.48	52.48	73.98	-21.49

**Table 7-26. Radiated Measurements Antenna 1a (RU26)**

FCC ID: BCGA2589 IC: 579C-A2589	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 106 of 155	



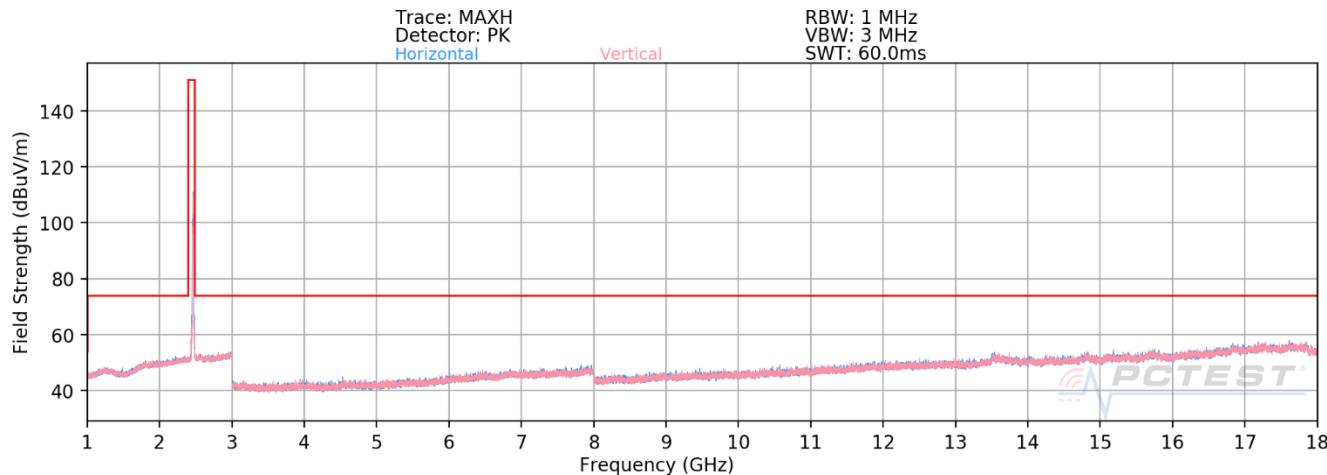
**Plot 7-134. Radiated Spurious Emissions above 1GHz Antenna 1a (802.11ax OFDMA – RU26 – Ch. 6)**

Worst Case Mode: 802.11ax OFDMA  
Worst Case Transfer Rate: MCS0  
RU Index: 4  
Distance of Measurements: 3 Meters  
Operating Frequency: 2437MHz  
Channel: 06

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4874.00	Avg	H	-	-	-81.26	7.00	32.74	53.98	-21.24
4874.00	Peak	H	-	-	-69.85	7.00	44.15	73.98	-29.83
7311.00	Avg	H	-	-	-82.05	10.20	35.15	53.98	-18.83
7311.00	Peak	H	-	-	-70.03	10.20	47.17	73.98	-26.81
12185.00	Avg	H	-	-	-85.16	16.80	38.64	53.98	-15.34
12185.00	Peak	H	-	-	-73.55	16.80	50.25	73.98	-23.73

**Table 7-27. Radiated Measurements Antenna 1a (RU26)**

FCC ID: BCGA2589 IC: 579C-A2589	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 107 of 155	



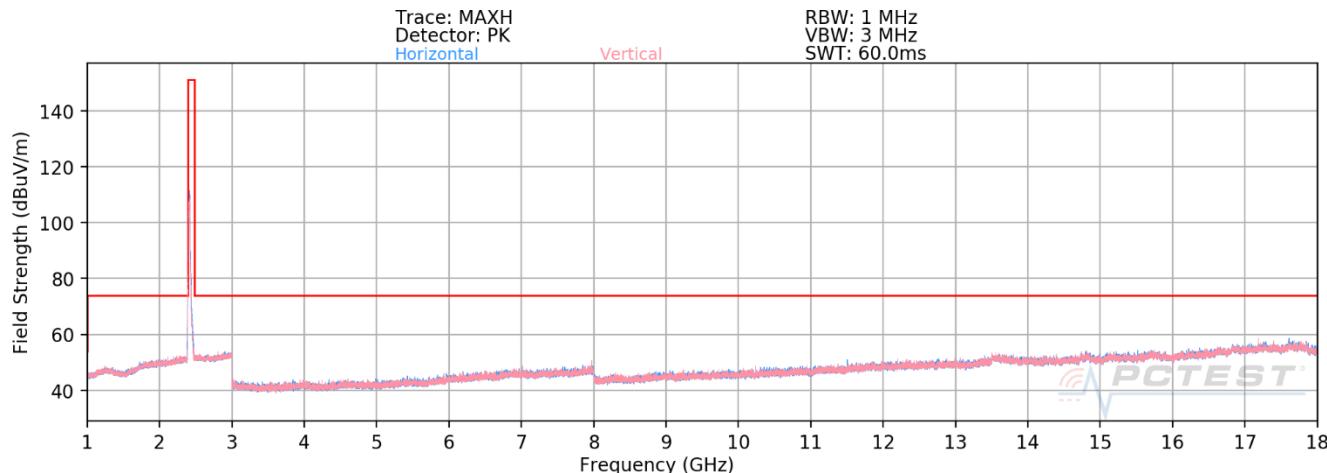
**Plot 7-135. Radiated Spurious Emissions above 1GHz Antenna 1a (802.11ax OFDMA – RU26 – Ch. 11)**

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 [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4924.00	Avg	H	-	-	-81.51	6.55	32.04	53.98	-21.94
4924.00	Peak	H	-	-	-69.58	6.55	43.97	73.98	-30.01
7386.00	Avg	H	-	-	-82.11	10.22	35.11	53.98	-18.87
7386.00	Peak	H	-	-	-70.36	10.22	46.86	73.98	-27.12
12310.00	Avg	H	-	-	-85.60	17.59	38.99	53.98	-14.98
12310.00	Peak	H	-	-	-74.53	17.59	50.06	73.98	-23.91

**Table 7-28. Radiated Measurements Antenna 1a (RU26)**

FCC ID: BCGA2589 IC: 579C-A2589	 <b>PCTEST®</b> Proud to be part of 			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device			Page 108 of 155



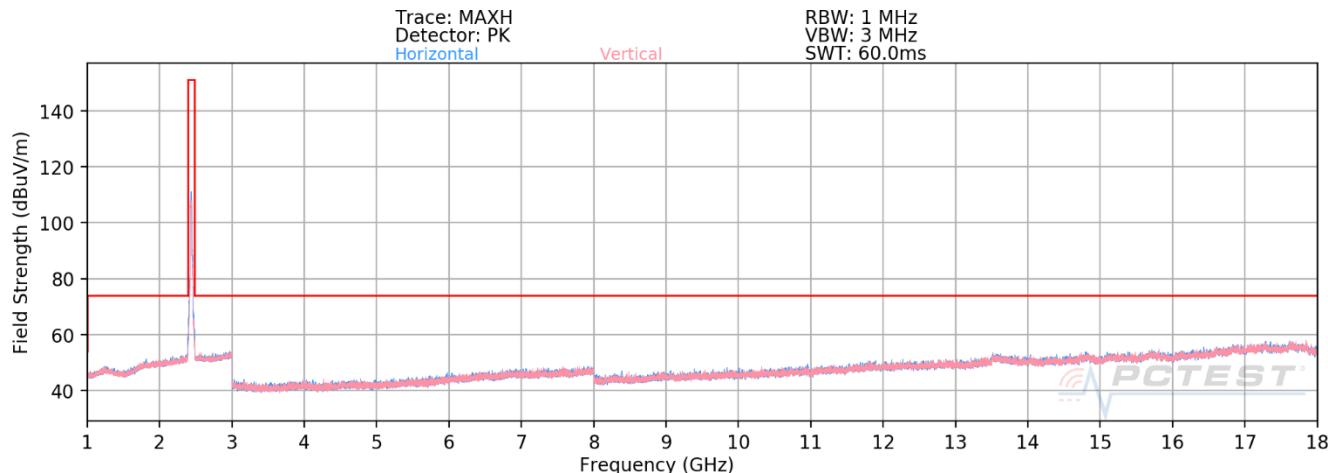
**Plot 7-136. Radiated Spurious Emissions above 1GHz Antenna 1a (802.11ax OFDMA – RU242 – Ch. 1)**

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 [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4824.00	Avg	H	-	-	-81.14	6.50	32.36	53.98	-21.62
4824.00	Peak	H	-	-	-70.16	6.50	43.34	73.98	-30.64
12060.00	Avg	H	-	-	-85.26	17.25	38.99	53.98	-14.98
12060.00	Peak	H	-	-	-73.72	17.25	50.53	73.98	-23.44

**Table 7-29. Radiated Measurements Antenna 1a (RU242)**

FCC ID: BCGA2589 IC: 579C-A2589	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 109 of 155	



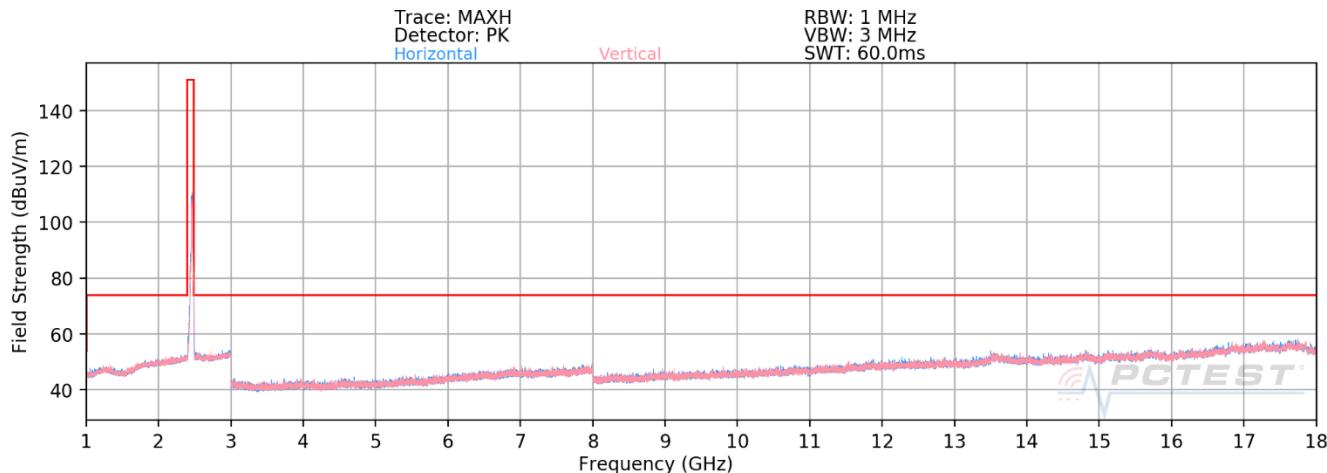
**Plot 7-137. Radiated Spurious Emissions above 1GHz Antenna 1a (802.11ax OFDMA – RU242 – Ch. 6)**

Worst Case Mode: 802.11ax OFDMA  
Worst Case Transfer Rate: MCS0  
RU Index: 61  
Distance of Measurements: 3 Meters  
Operating Frequency: 2437MHz  
Channel: 06

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4874.00	Avg	H	-	-	-81.50	7.00	32.50	53.98	-21.48
4874.00	Peak	H	-	-	-69.96	7.00	44.04	73.98	-29.94
7311.00	Avg	H	-	-	-82.11	10.20	35.09	53.98	-18.89
7311.00	Peak	H	-	-	-70.46	10.20	46.74	73.98	-27.24
12185.00	Avg	H	-	-	-85.12	16.80	38.68	53.98	-15.30
12185.00	Peak	H	-	-	-74.22	16.80	49.58	73.98	-24.40

**Table 7-30. Radiated Measurements Antenna 1a (RU242)**

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST® Proud to be part of 			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device			Page 110 of 155



**Plot 7-138. Radiated Spurious Emissions above 1GHz Antenna 1a (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

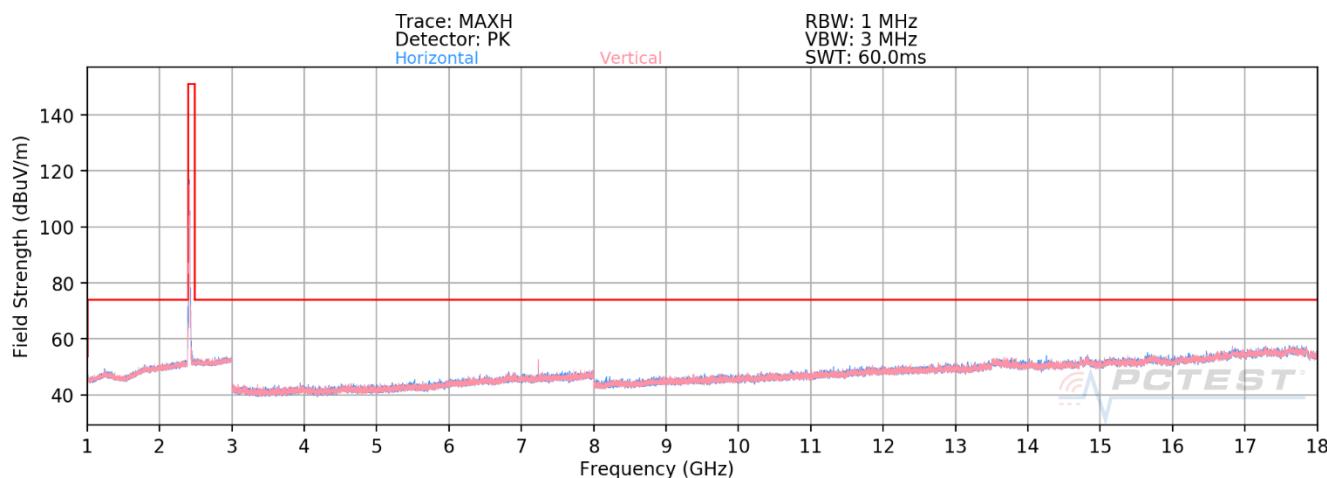
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4924.00	Avg	H	-	-	-81.52	6.55	32.03	53.98	-21.95
4924.00	Peak	H	-	-	-70.36	6.55	43.19	73.98	-30.79
7386.00	Avg	H	-	-	-82.13	10.22	35.09	53.98	-18.89
7386.00	Peak	H	-	-	-70.60	10.22	46.62	73.98	-27.36
12310.00	Avg	H	-	-	-85.55	17.59	39.04	53.98	-14.93
12310.00	Peak	H	-	-	-74.51	17.59	50.08	73.98	-23.89

**Table 7-31. Radiated Measurements Antenna 1a (RU242)**

FCC ID: BCGA2589 IC: 579C-A2589	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 111 of 155	

### 7.7.3 CDD Radiated Spurious Emission Measurements

§15.247(d) §15.205 & §15.209; RSS-Gen [8.9]



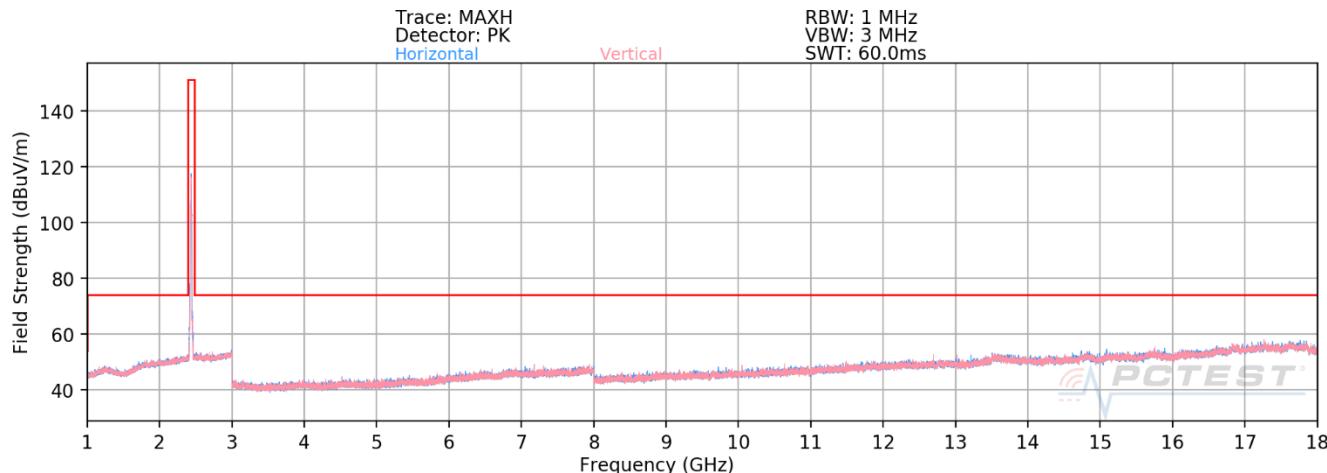
**Plot 7-139. Radiated Spurious Emissions above 1GHz CDD (802.11ax OFDMA – RU26 – Ch. 1)**

Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 4  
 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 [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4824.00	Avg	V	-	-	-81.23	6.50	32.27	53.98	-21.71
4824.00	Peak	V	-	-	-69.60	6.50	43.90	73.98	-30.08
12060.00	Avg	V	-	-	-85.16	17.25	39.09	53.98	-14.88
12060.00	Peak	V	-	-	-73.61	17.25	50.64	73.98	-23.33

**Table 7-32. Radiated Measurements CDD (RU26)**

FCC ID: BCGA2589 IC: 579C-A2589	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 112 of 155	



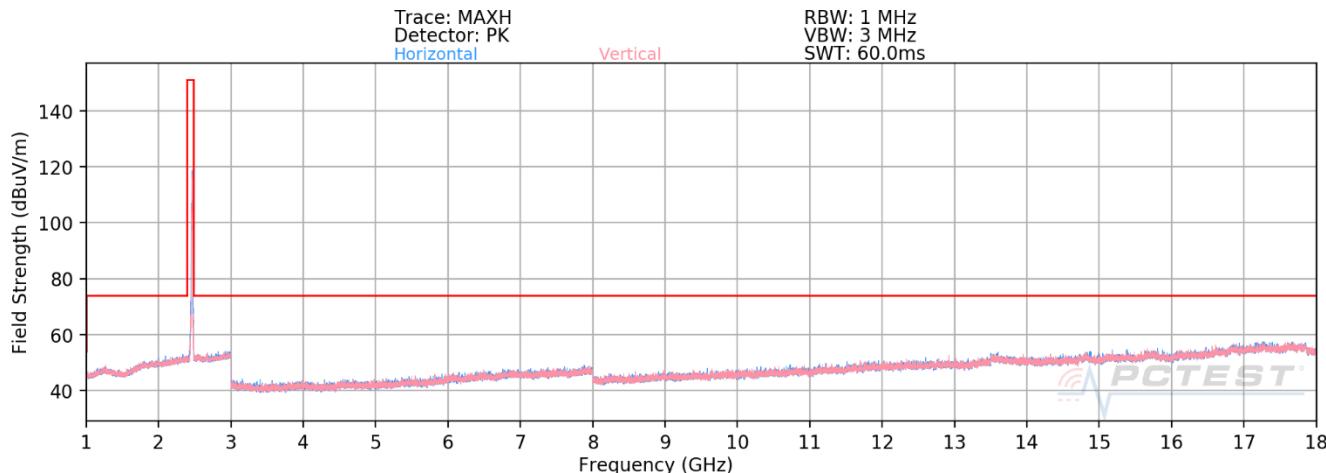
**Plot 7-140. Radiated Spurious Emissions above 1GHz CDD (802.11ax OFDMA – RU26 – Ch. 6)**

Worst Case Mode: 802.11ax OFDMA  
Worst Case Transfer Rate: MCS0  
RU Index: 4  
Distance of Measurements: 3 Meters  
Operating Frequency: 2437MHz  
Channel: 06

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4874.00	Avg	V	-	-	-81.50	7.00	32.50	53.98	-21.48
4874.00	Peak	V	-	-	-70.12	7.00	43.88	73.98	-30.10
7311.00	Avg	V	260	107	-79.40	10.20	37.80	53.98	-16.18
7311.00	Peak	V	260	107	-61.60	10.20	55.60	73.98	-18.38
12185.00	Avg	V	-	-	-85.17	16.80	38.63	53.98	-15.35
12185.00	Peak	V	-	-	-74.34	16.80	49.46	73.98	-24.52

**Table 7-33. Radiated Measurements CDD (RU26)**

FCC ID: BCGA2589 IC: 579C-A2589	 Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)			Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device			Page 113 of 155



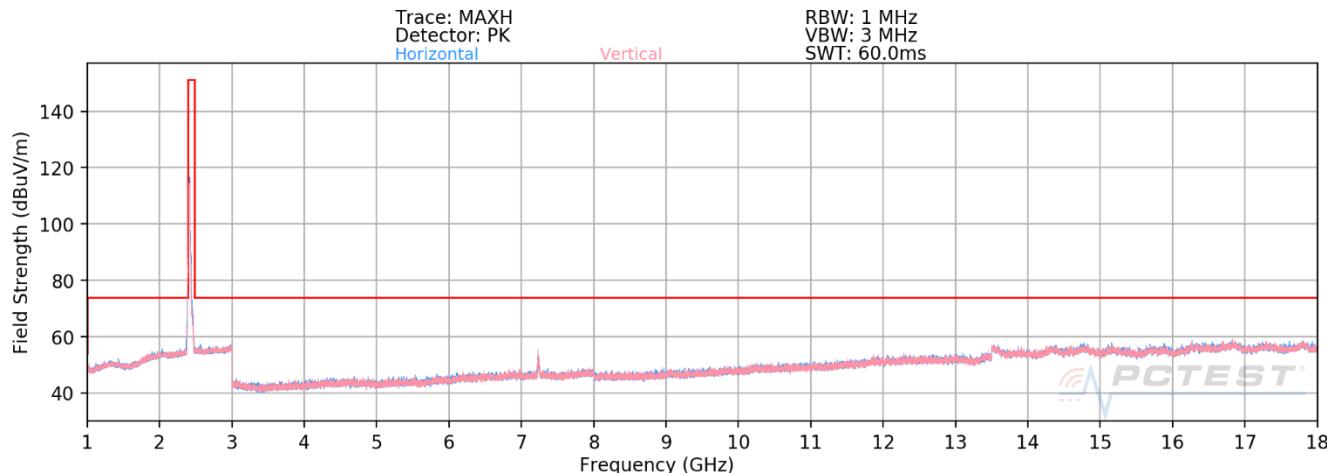
**Plot 7-141. Radiated Spurious Emissions above 1GHz CDD (802.11ax OFDMA – RU26 – Ch. 11)**

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 [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4924.00	Avg	V	-	-	-81.54	6.55	32.01	53.98	-21.97
4924.00	Peak	V	-	-	-70.53	6.55	43.02	73.98	-30.96
7386.00	Avg	V	252	111	-80.53	10.22	36.69	53.98	-17.29
7386.00	Peak	V	252	111	-65.79	10.22	51.43	73.98	-22.55
12310.00	Avg	V	-	-	-85.74	17.59	38.85	53.98	-15.12
12310.00	Peak	V	-	-	-74.48	17.59	50.11	73.98	-23.86

**Table 7-34. Radiated Measurements CDD (RU26)**

FCC ID: BCGA2589 IC: 579C-A2589	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 114 of 155	



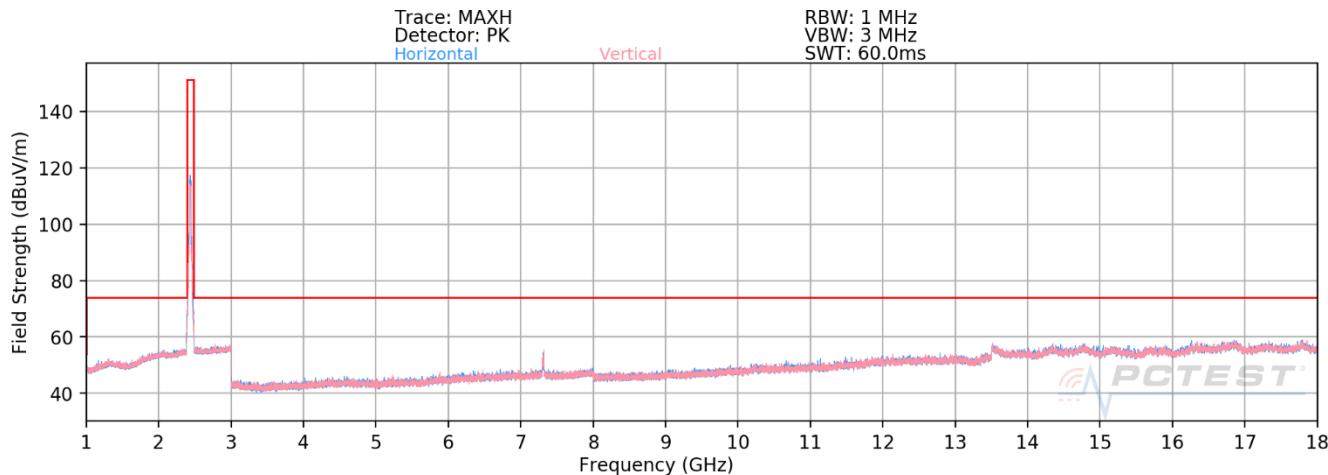
**Plot 7-142. Radiated Spurious Emissions above 1GHz CDD (802.11ax OFDMA – RU242 – Ch. 1)**

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 [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4824.00	Avg	H	-	-	-80.76	6.50	32.74	53.98	-21.24
4824.00	Peak	H	-	-	-69.35	6.50	44.15	73.98	-29.83
12060.00	Avg	H	-	-	-84.33	17.25	39.92	53.98	-14.05
12060.00	Peak	H	-	-	-73.54	17.25	50.71	73.98	-23.26

**Table 7-35. Radiated Measurements CDD (RU242)**

FCC ID: BCGA2589 IC: 579C-A2589	 PCTEST® Proud to be part of 			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device			



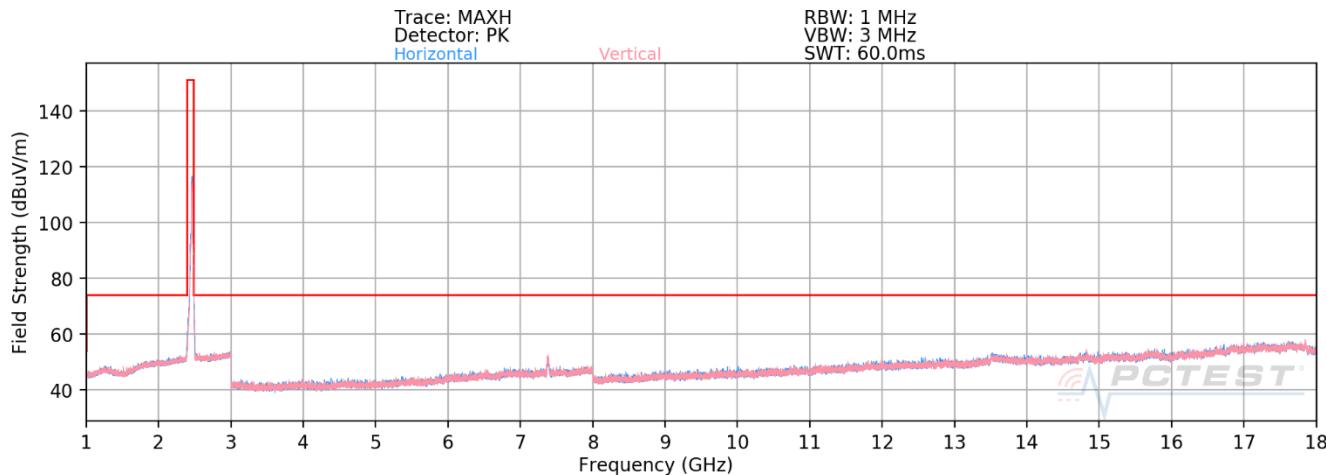
**Plot 7-143. Radiated Spurious Emissions above 1GHz CDD (802.11ax OFDMA – RU242 – Ch. 6)**

Worst Case Mode: 802.11ax OFDMA  
Worst Case Transfer Rate: MCS0  
RU Index: 61  
Distance of Measurements: 3 Meters  
Operating Frequency: 2437MHz  
Channel: 06

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4874.00	Avg	H	-	-	-78.27	5.45	34.18	53.98	-19.80
4874.00	Peak	H	-	-	-66.97	5.45	45.48	73.98	-28.50
7311.00	Avg	H	266	105	-72.45	9.50	44.05	53.98	-9.93
7311.00	Peak	H	266	105	-59.48	9.50	57.02	73.98	-16.96
12185.00	Avg	H	-	-	-83.99	18.17	41.18	53.98	-12.80
12185.00	Peak	H	-	-	-72.66	18.17	52.51	73.98	-21.47

**Table 7-36. Radiated Measurements CDD (RU242)**

FCC ID: BCGA2589 IC: 579C-A2589	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 116 of 155	



**Plot 7-144. Radiated Spurious Emissions above 1GHz CDD (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

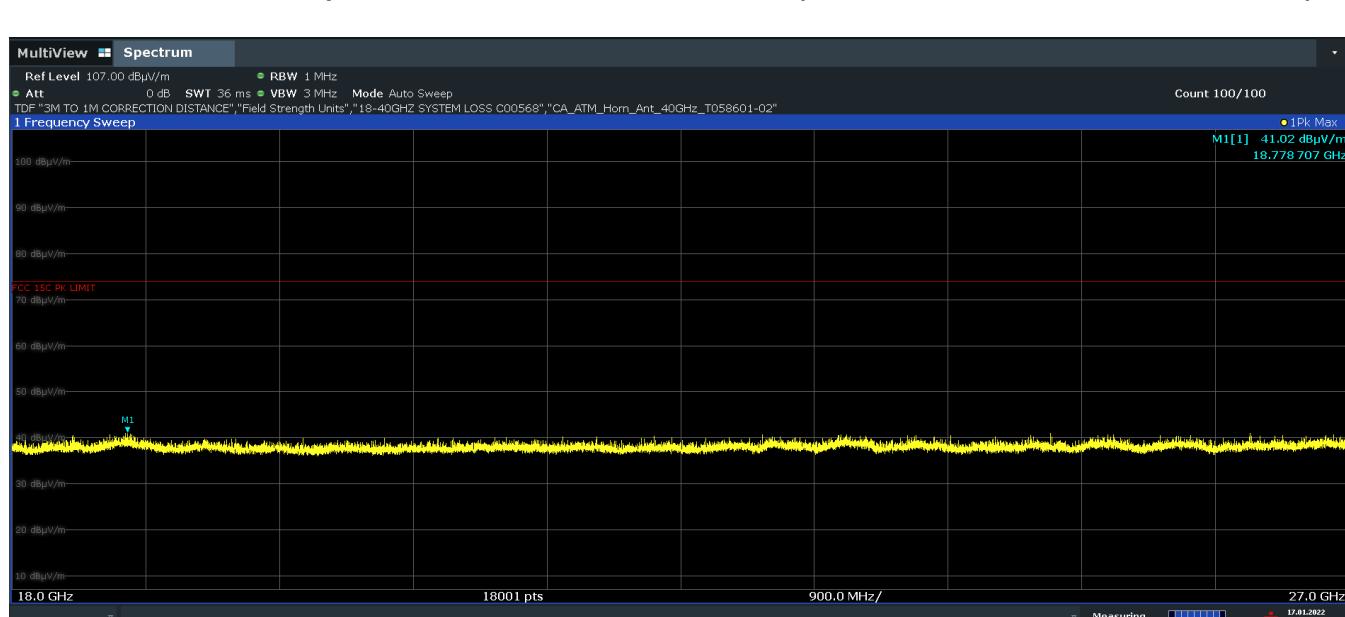
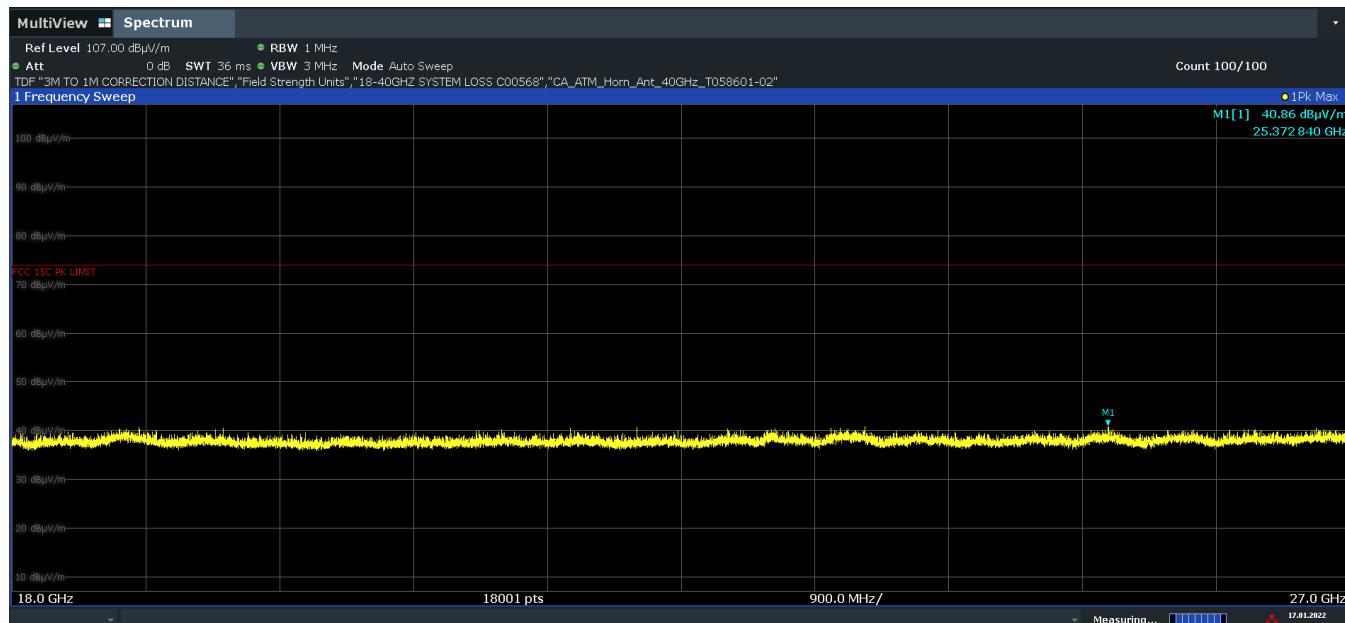
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	Limit [dB $\mu$ V/m]	Margin [dB]
4924.00	Avg	H	-	-	-80.88	6.55	32.67	53.98	-21.31
4924.00	Peak	H	-	-	-70.02	6.55	43.53	73.98	-30.45
7386.00	Avg	H	107	70	-73.80	10.22	43.42	53.98	-10.56
7386.00	Peak	H	107	70	-61.34	10.22	55.88	73.98	-18.10
12310.00	Avg	H	-	-	-85.03	17.59	39.56	53.98	-14.41
12310.00	Peak	H	-	-	-74.42	17.59	50.17	73.98	-23.80

**Table 7-37. Radiated Measurements CDD (RU242)**

FCC ID: BCGA2589 IC: 579C-A2589	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>			Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 117 of 155	

## CDD Radiated Spurious Emission Measurements (Above 18GHz)

15.247(d) §15.205 & §15.209; RSS-Gen [8.9]

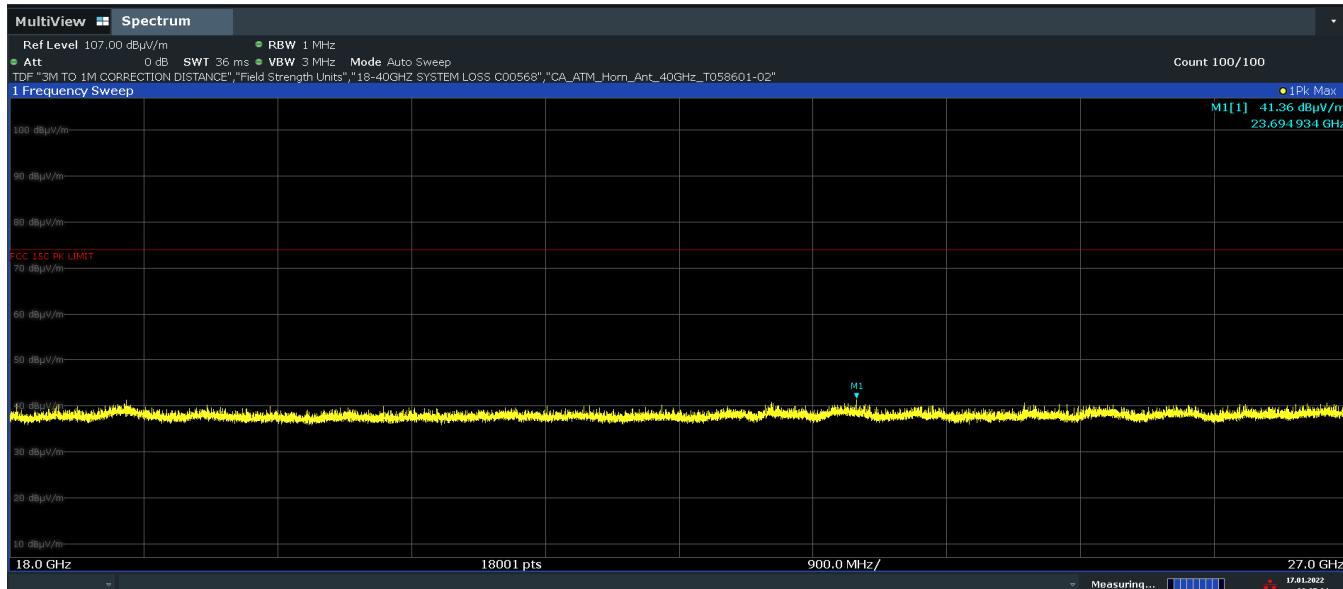


FCC ID: BCGA2589 IC: 579C-A2589	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 118 of 155

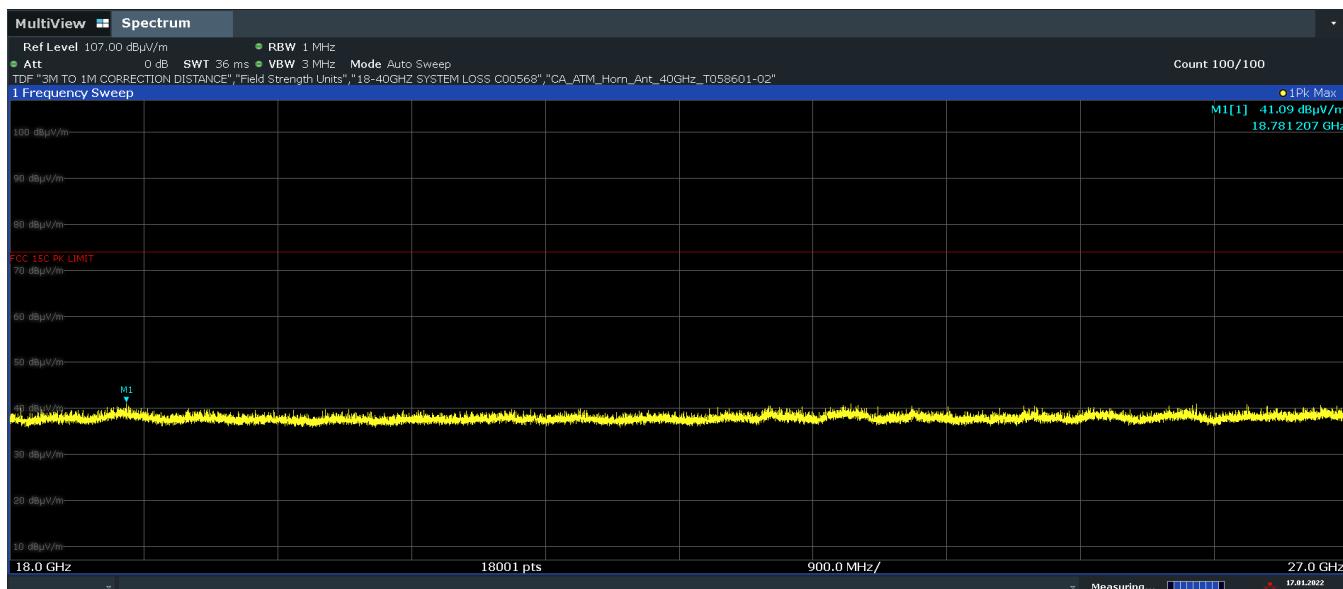
© 2022 PCTEST

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact [INFO@PCTEST.COM](mailto:INFO@PCTEST.COM).

V 10.5 12/15/2021



Plot 7-147. Radiated Spurious Emissions above 1GHz CDD (802.11ax OFDMA – RU242 – Ch. 6, Pol. H)



Plot 7-148. Radiated Spurious Emissions above 1GHz CDD (802.11ax OFDMA – RU242 – Ch. 6, Pol. V)

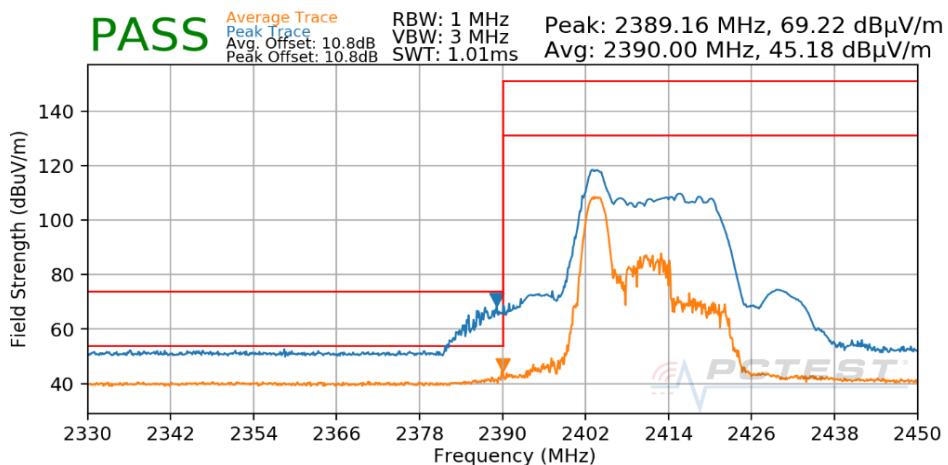
FCC ID: BCGA2589 IC: 579C-A2589	 <b>PCTEST®</b> Proud to be part of  <b>MEASUREMENT REPORT (CERTIFICATION)</b>		Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 119 of 155

## 7.7.4 Antenna 3a Radiated Restricted Band Edge Measurements

### §15.205 §15.209; RSS-Gen [8.9]

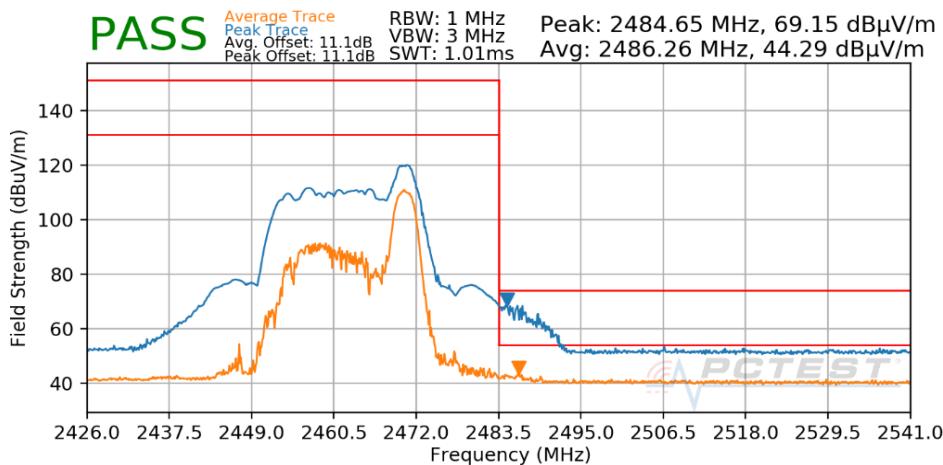
The radiated restricted band edge measurements are measured with an EMI test receiver connected to the receive antenna while the EUT is transmitting.

Worst Case Mode: 802.11ax OFDMA  
Worst Case Transfer Rate: MCS0  
RU Index: 0  
Distance of Measurements: 3 Meters  
Operating Frequency: 2412MHz  
Channel: 1



**Plot 7-149. Radiated Restricted Lower Band Edge Measurement Antenna 3a (Peak & Average – RU26)**

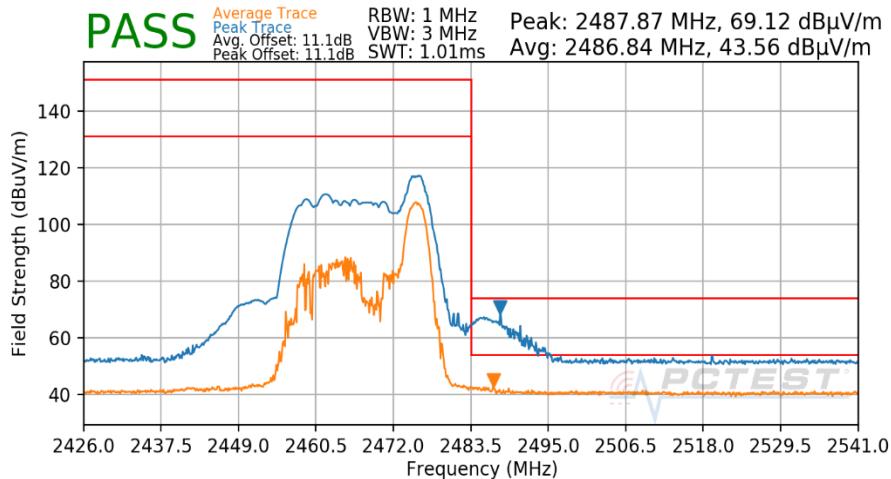
Worst Case Mode: 802.11ax OFDMA  
Worst Case Transfer Rate: MCS0  
RU Index: 8  
Distance of Measurements: 3 Meters  
Operating Frequency: 2462MHz  
Channel: 11



**Plot 7-150. Radiated Restricted Upper Band Edge Measurement Antenna 3a (Peak & Average – RU26)**

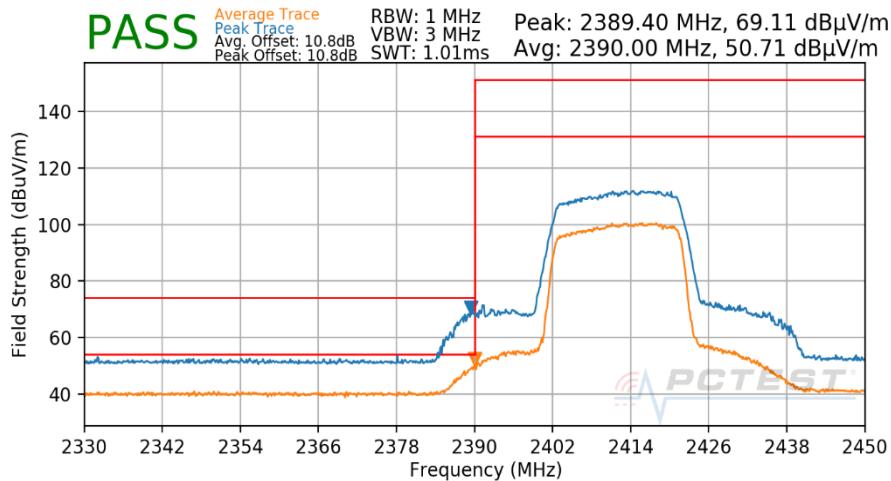
FCC ID: BCGA2589 IC: 579C-A2589	 <b>PCTEST®</b> Proud to be part of 		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device		Page 120 of 155

Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 8  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2467MHz  
 Channel: 12



**Plot 7-151. Radiated Restricted Upper Band Edge Measurement Antenna 3a (Peak & Average – RU26)**

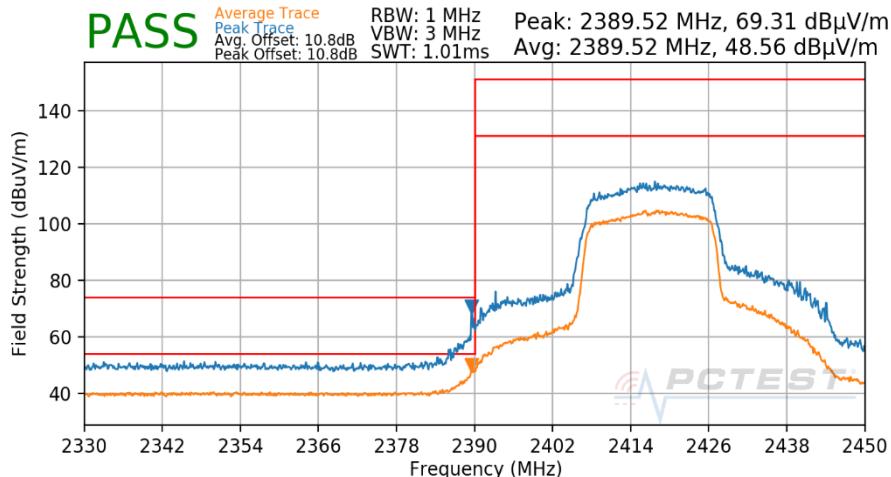
Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2412MHz  
 Channel: 1



**Plot 7-152. Radiated Restricted Lower Band Edge Measurement Antenna 3a (Peak & Average – RU242)**

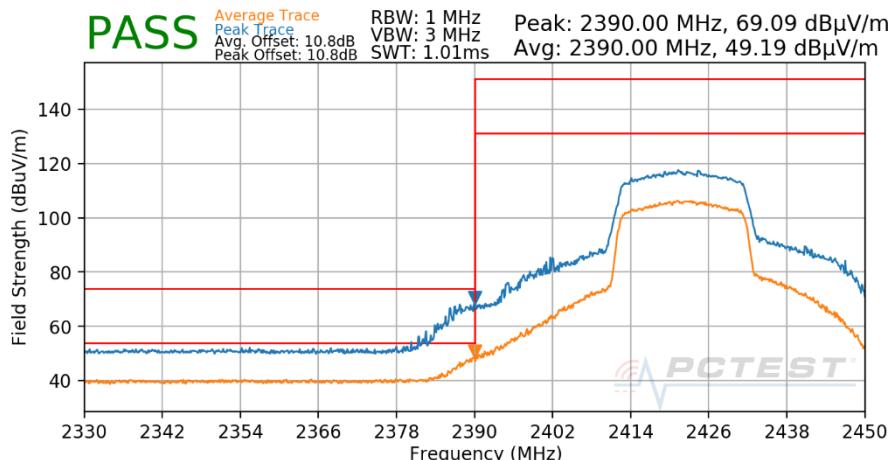
FCC ID: BCGA2589 IC: 579C-A2589	<b>PCTEST</b> Proud to be part of 		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 121 of 155	

Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2417MHz  
 Channel: 2



**Plot 7-153. Radiated Restricted Lower Band Edge Measurement Antenna 3a (Peak & Average – RU242)**

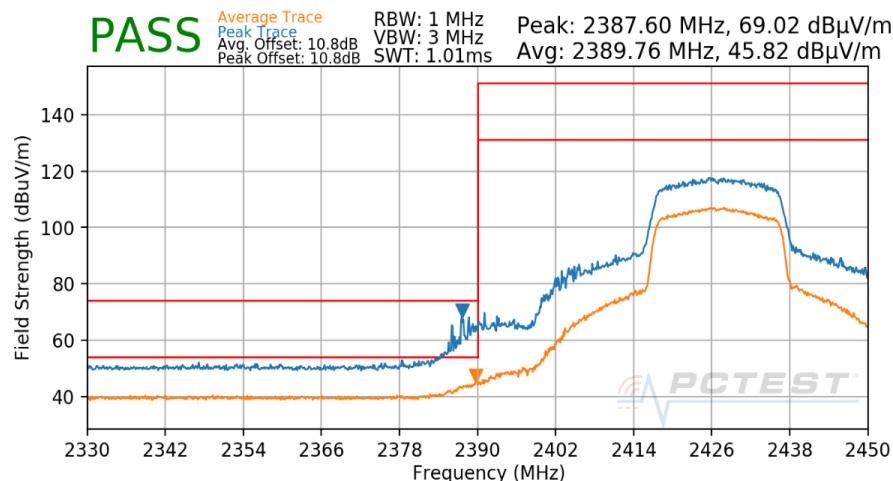
Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2422MHz  
 Channel: 3



**Plot 7-154. Radiated Restricted Lower Band Edge Measurement Antenna 3a (Peak & Average – RU242)**

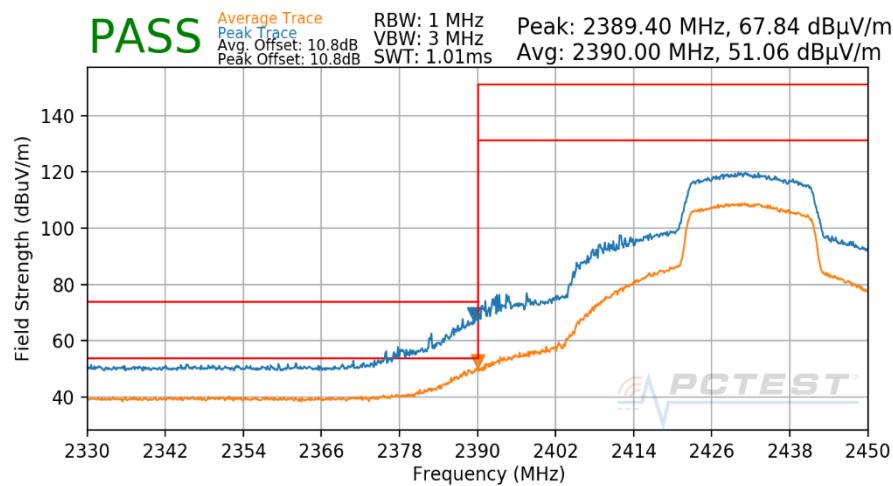
FCC ID: BCGA2589 IC: 579C-A2589	<b>PCTEST</b> Proud to be part of 		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 122 of 155	

Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2427MHz  
 Channel: 4



**Plot 7-155. Radiated Restricted Lower Band Edge Measurement Antenna 3a (Peak & Average – RU242)**

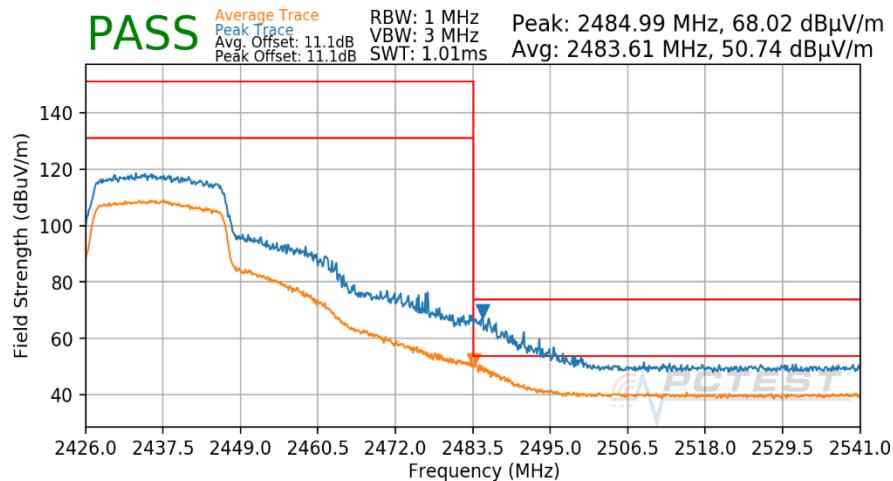
Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2432MHz  
 Channel: 5



**Plot 7-156. Radiated Restricted Lower Band Edge Measurement Antenna 3a (Peak & Average – RU242)**

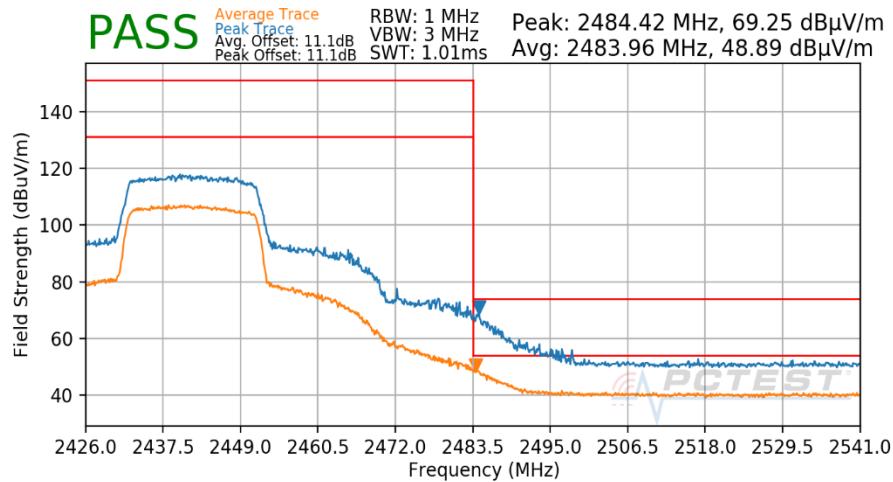
FCC ID: BCGA2589 IC: 579C-A2589	<b>PCTEST</b> Proud to be part of 		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 123 of 155	

Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2437MHz  
 Channel: 6 (high)



**Plot 7-157. Radiated Restricted Upper Band Edge Measurement Antenna 3a (Peak & Average – RU242)**

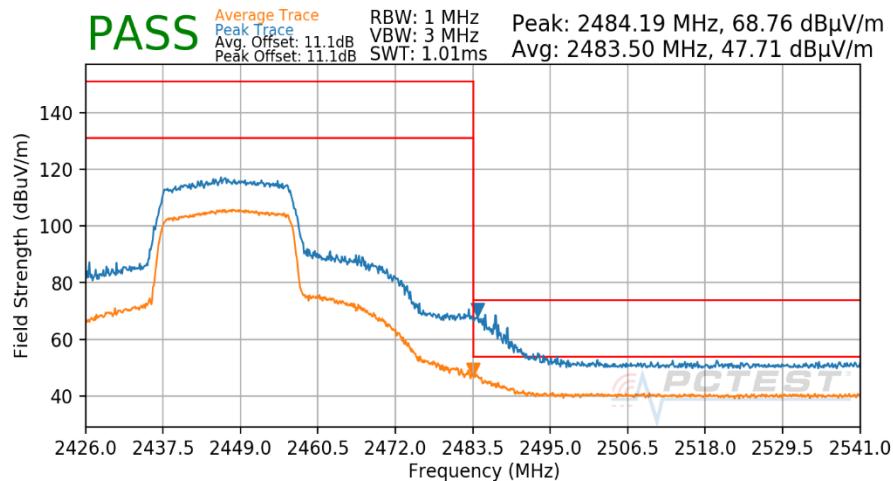
Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2442MHz  
 Channel: 7



**Plot 7-158. Radiated Restricted Upper Band Edge Measurement Antenna 3a (Peak & Average – RU242)**

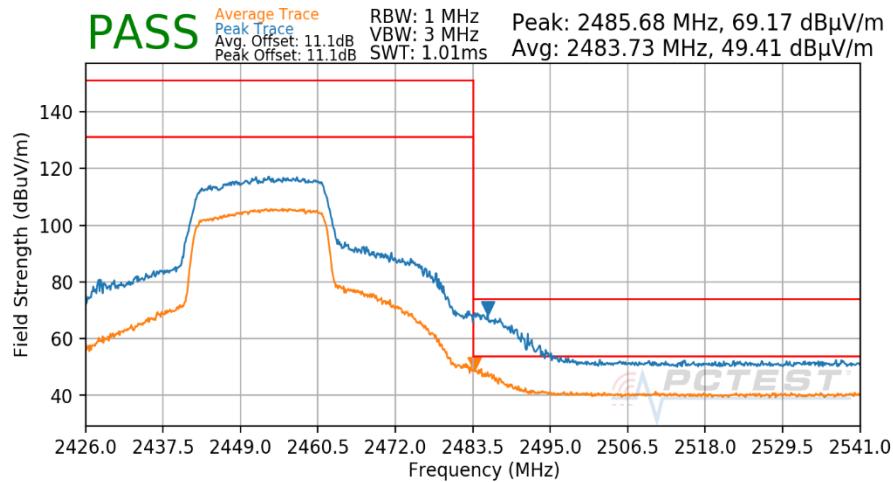
FCC ID: BCGA2589 IC: 579C-A2589	<b>PCTEST</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 124 of 155

Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2447MHz  
 Channel: 8



**Plot 7-159. Radiated Restricted Upper Band Edge Measurement Antenna 3a (Peak & Average – RU242)**

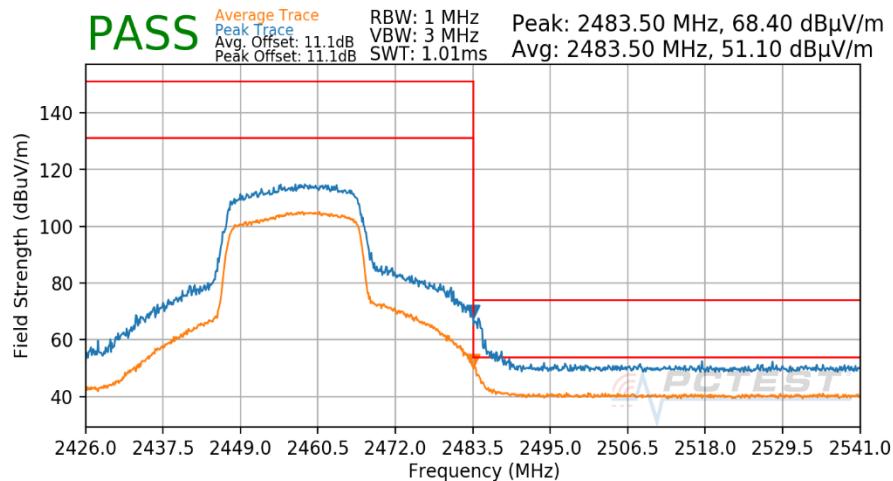
Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2452MHz  
 Channel: 9



**Plot 7-160. Radiated Restricted Upper Band Edge Measurement Antenna 3a (Peak & Average – RU242)**

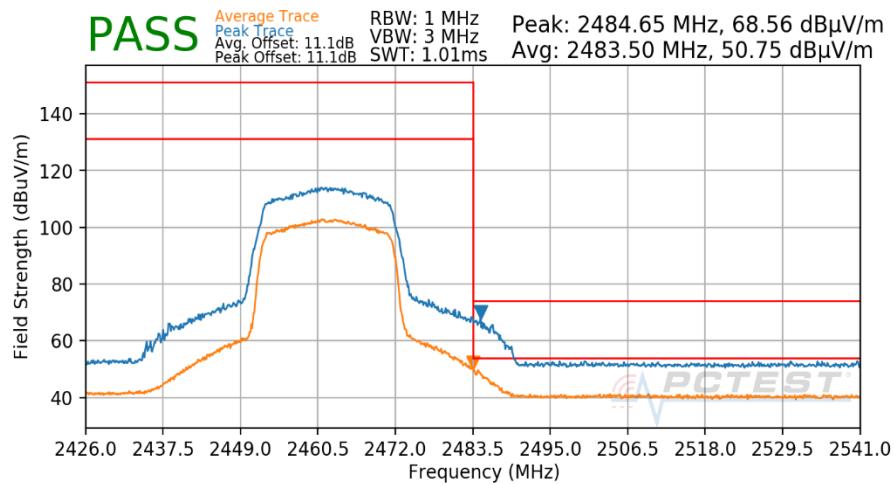
FCC ID: BCGA2589 IC: 579C-A2589	<b>PCTEST</b> <sup>®</sup> Proud to be part of 		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device		Page 125 of 155

Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2457MHz  
 Channel: 10



**Plot 7-161. Radiated Restricted Upper Band Edge Measurement Antenna 3a (Peak & Average – RU242)**

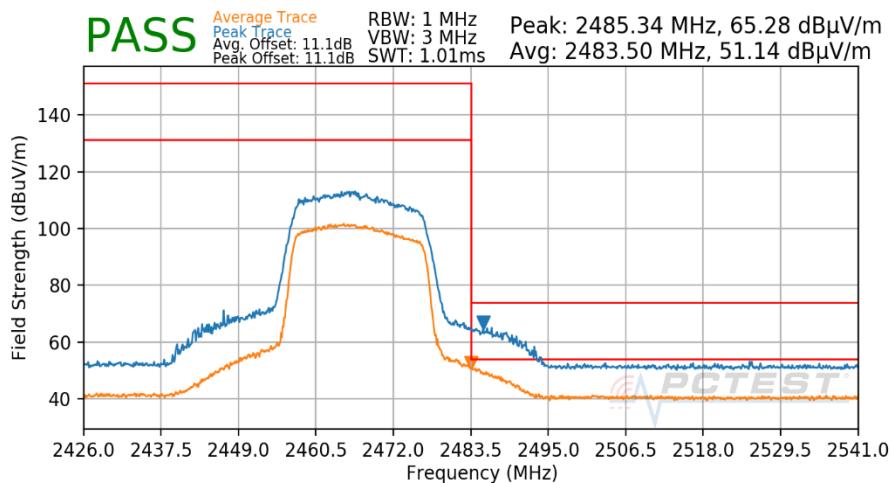
Worst Case Mode: 802.11ax OFDMA  
 Worst Case Transfer Rate: MCS0  
 RU Index: 61  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2462MHz  
 Channel: 11



**Plot 7-162. Radiated Restricted Upper Band Edge Measurement Antenna 3a (Peak & Average – RU242)**

FCC ID: BCGA2589 IC: 579C-A2589	<b>PCTEST</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 126 of 155

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



**Plot 7-163. Radiated Restricted Upper Band Edge Measurement Antenna 3a (Peak & Average – RU242)**

FCC ID: BCGA2589 IC: 579C-A2589	<b>PCTEST</b> Proud to be part of 		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N: 1C2111150079-09.BCG	Test Dates: 12/02/2021 - 01/31/2022	EUT Type: Tablet Device	Page 127 of 155	