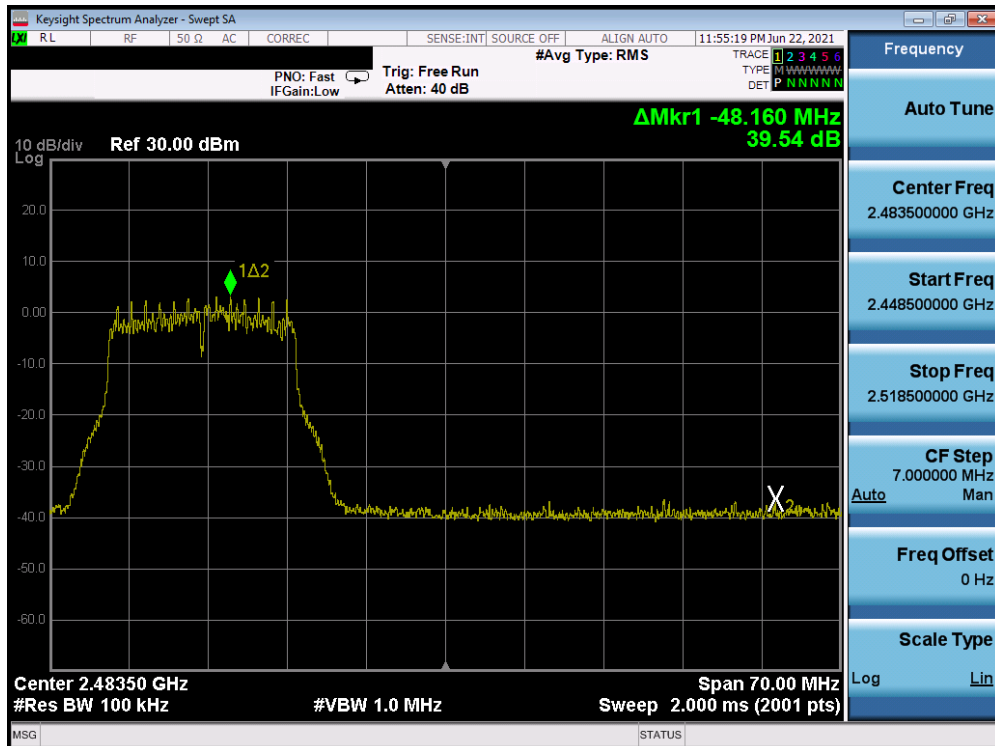
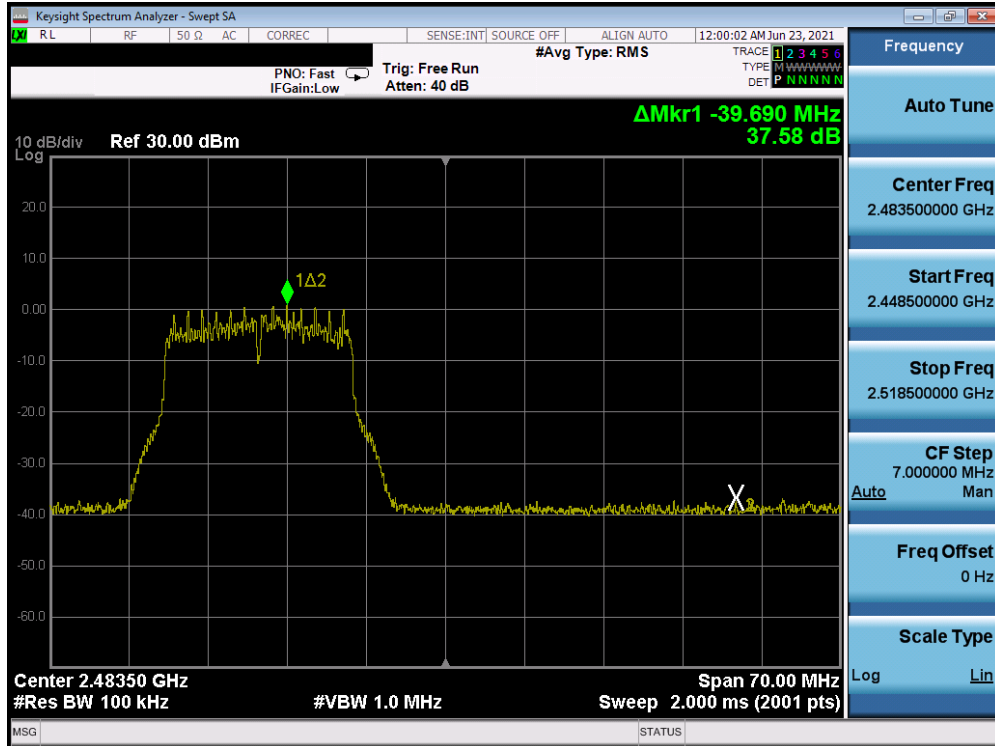


Plot 7-55. Band Edge Plot Antenna A (802.11g- Ch. 10) – 54Mbps

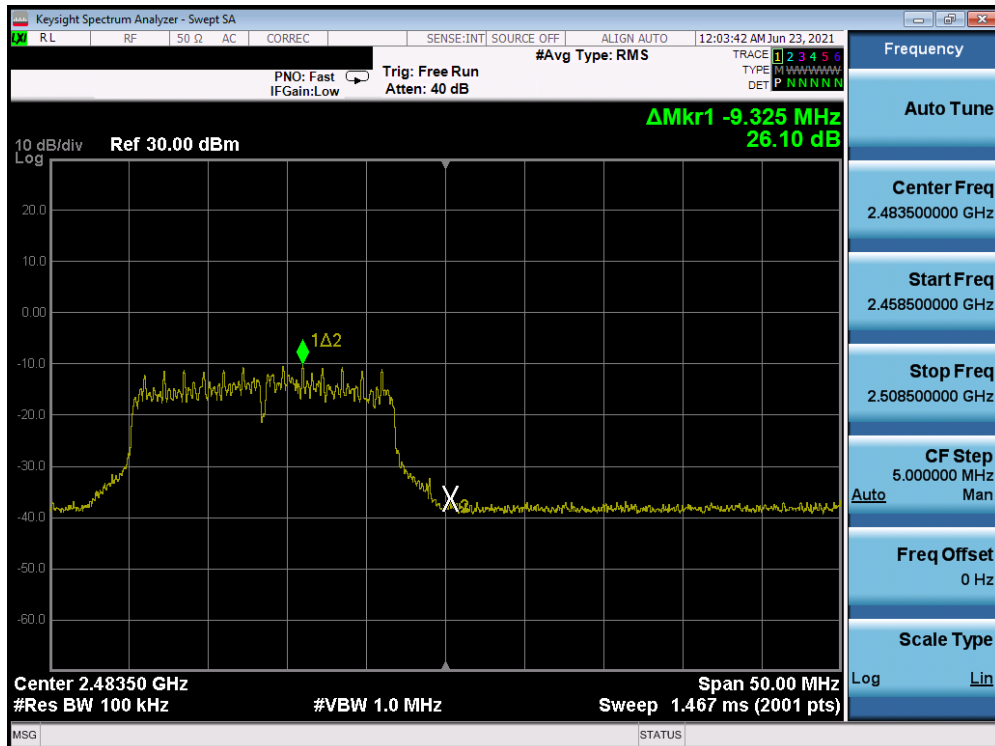


Plot 7-56. Band Edge Plot Antenna A (802.11g- Ch. 11) – 54Mbps

FCC ID: BCGA2603 IC: 579C-A2603	 <b>PCTEST</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080051-06.BCG	Test Dates: 05/28/2021 – 07/23/2021	EUT Type: Tablet Device	Page 57 of 112

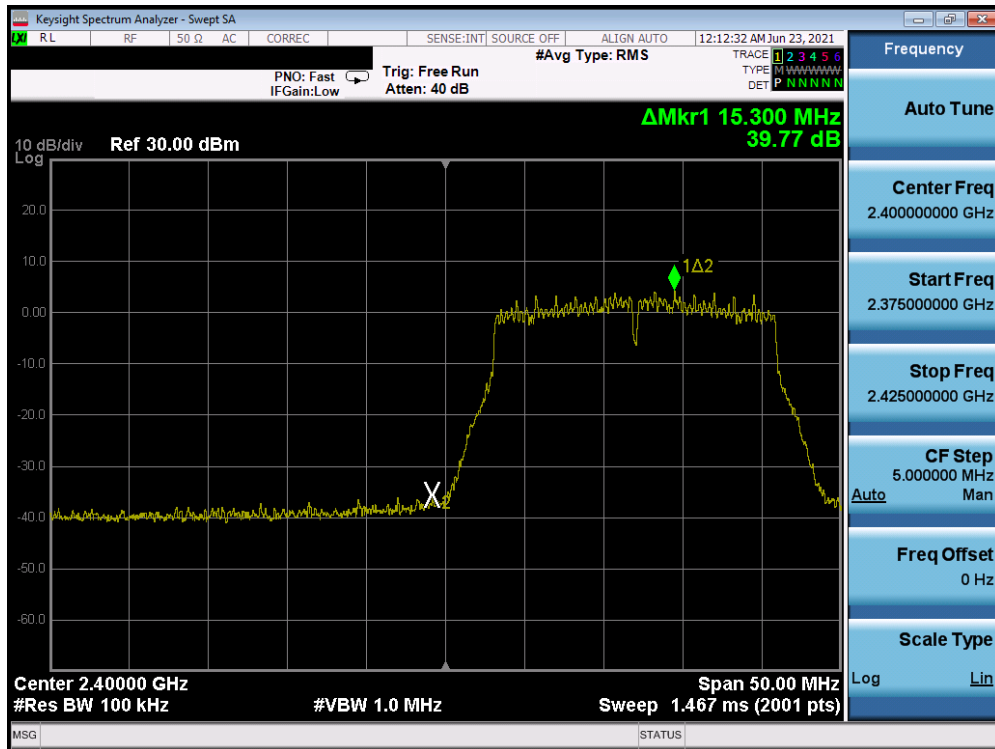


Plot 7-57. Band Edge Plot Antenna A (802.11g- Ch. 12) – 54Mbps

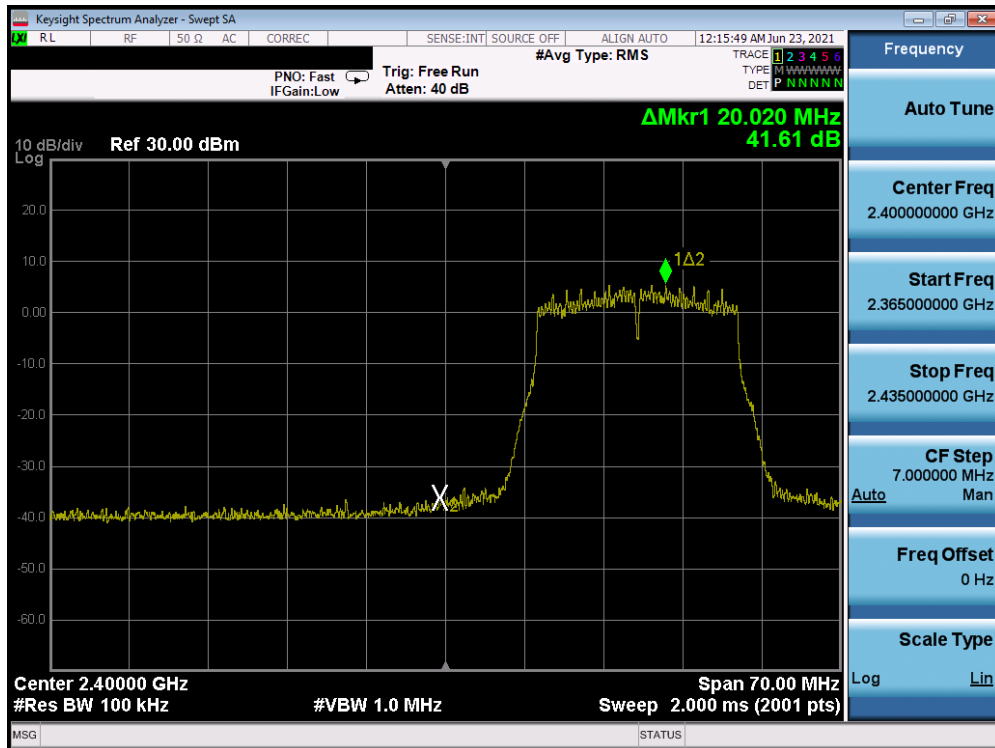


Plot 7-58. Band Edge Plot Antenna A (802.11g- Ch. 13) – 54Mbps

FCC ID: BCGA2603 IC: 579C-A2603	 <b>PCTEST</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080051-06.BCG	Test Dates: 05/28/2021 – 07/23/2021	EUT Type: Tablet Device	Page 58 of 112

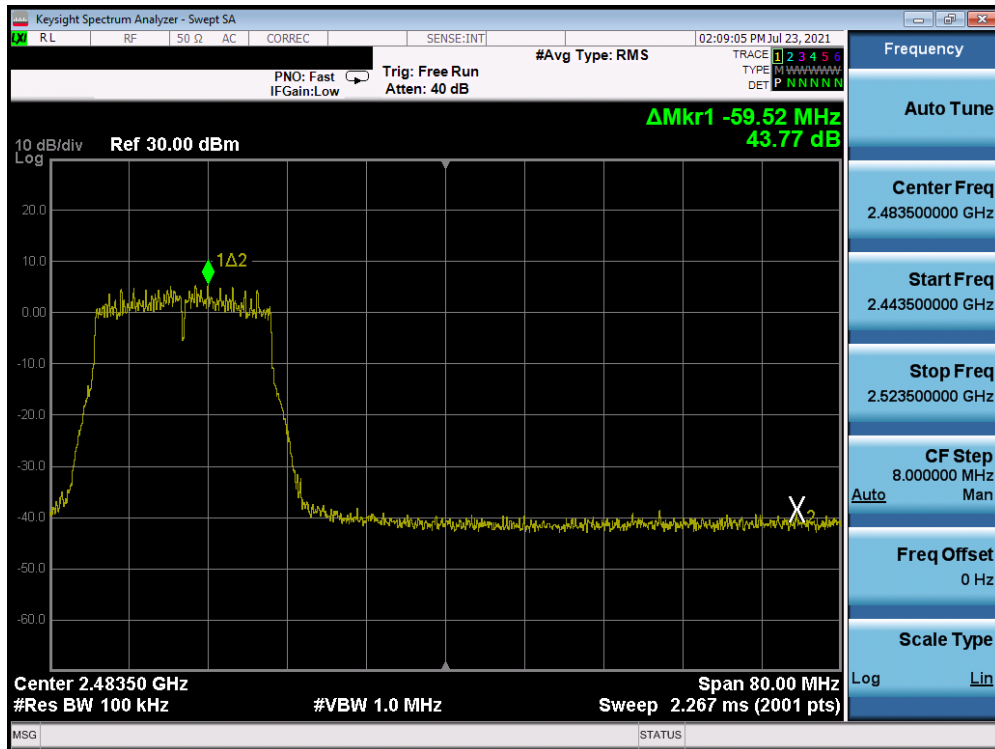


Plot 7-59. Band Edge Plot Antenna A (802.11n (2.4GHz) – Ch. 1) – MCS7

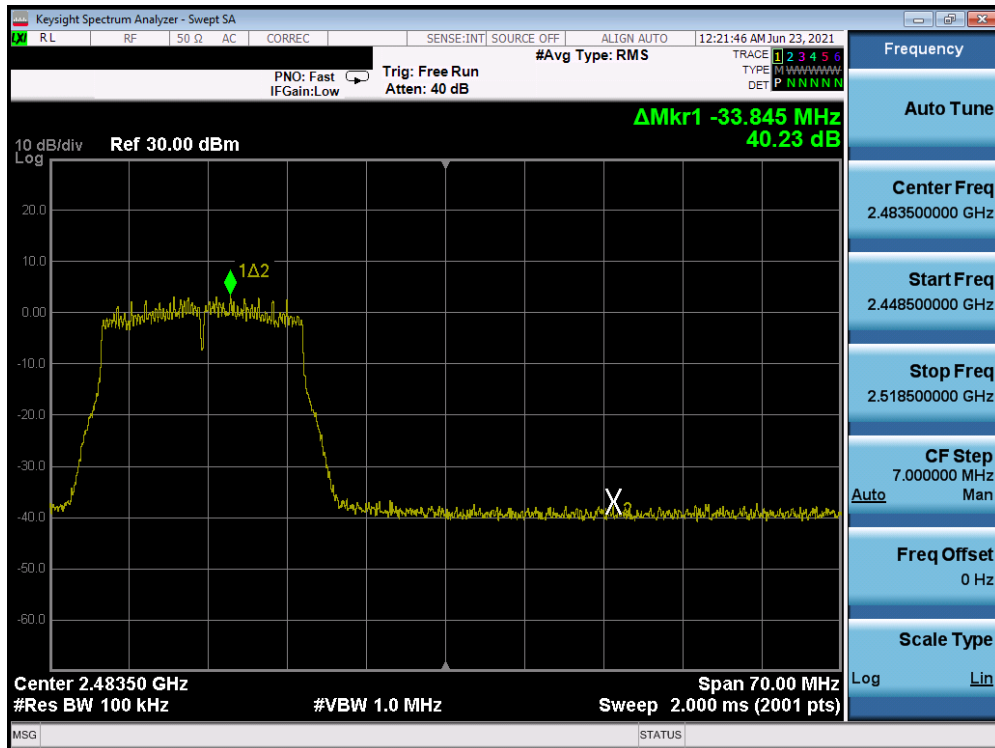


Plot 7-60. Band Edge Plot Antenna A (802.11n (2.4GHz) – Ch. 2) – MCS7

FCC ID: BCGA2603 IC: 579C-A2603	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080051-06.BCG	Test Dates: 05/28/2021 – 07/23/2021	EUT Type: Tablet Device	Page 59 of 112

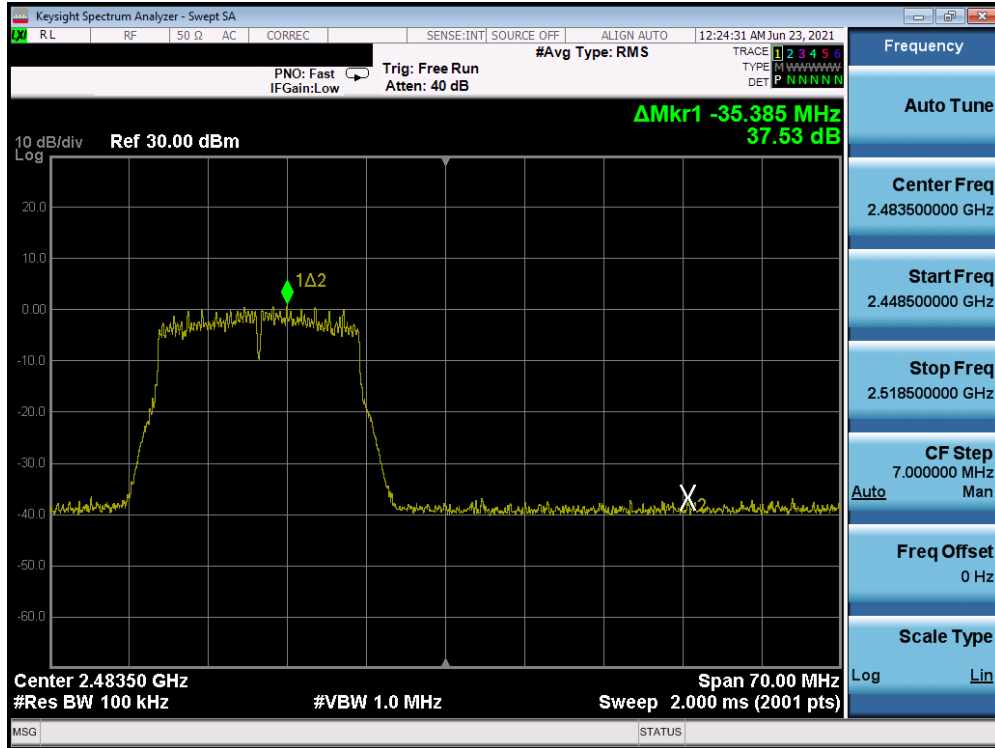


Plot 7-61. Band Edge Plot Antenna A (802.11n (2.4GHz) – Ch. 10) – MCS7

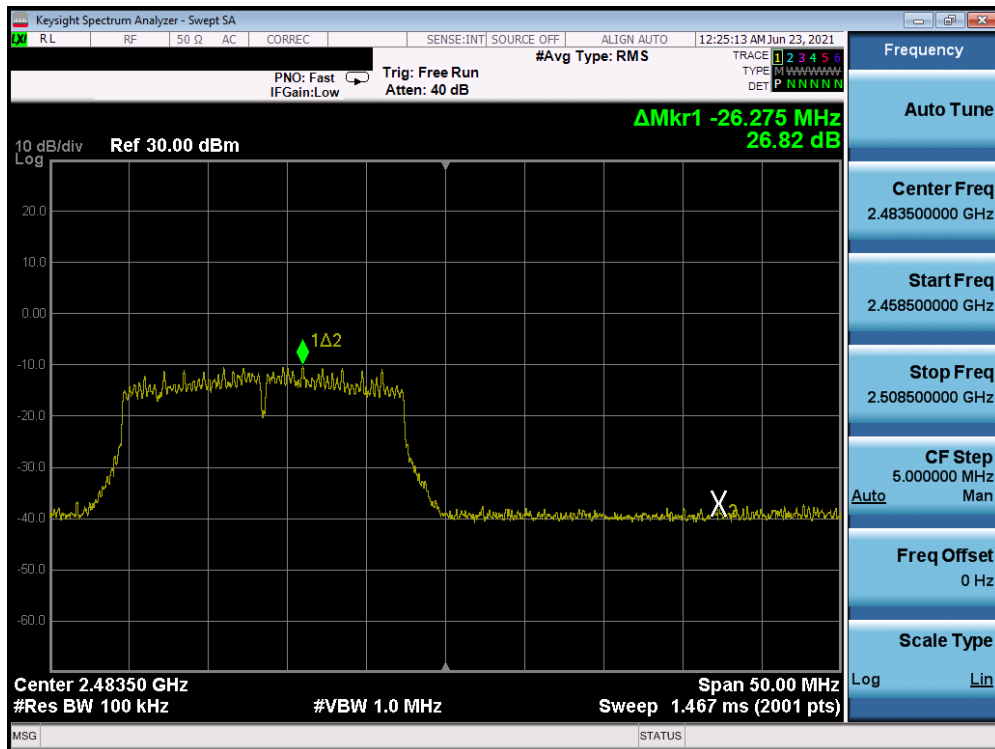


Plot 7-62. Band Edge Plot Antenna A (802.11n (2.4GHz) – Ch. 11) – MCS7

FCC ID: BCGA2603 IC: 579C-A2603	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080051-06.BCG	Test Dates: 05/28/2021 – 07/23/2021	EUT Type: Tablet Device	Page 60 of 112



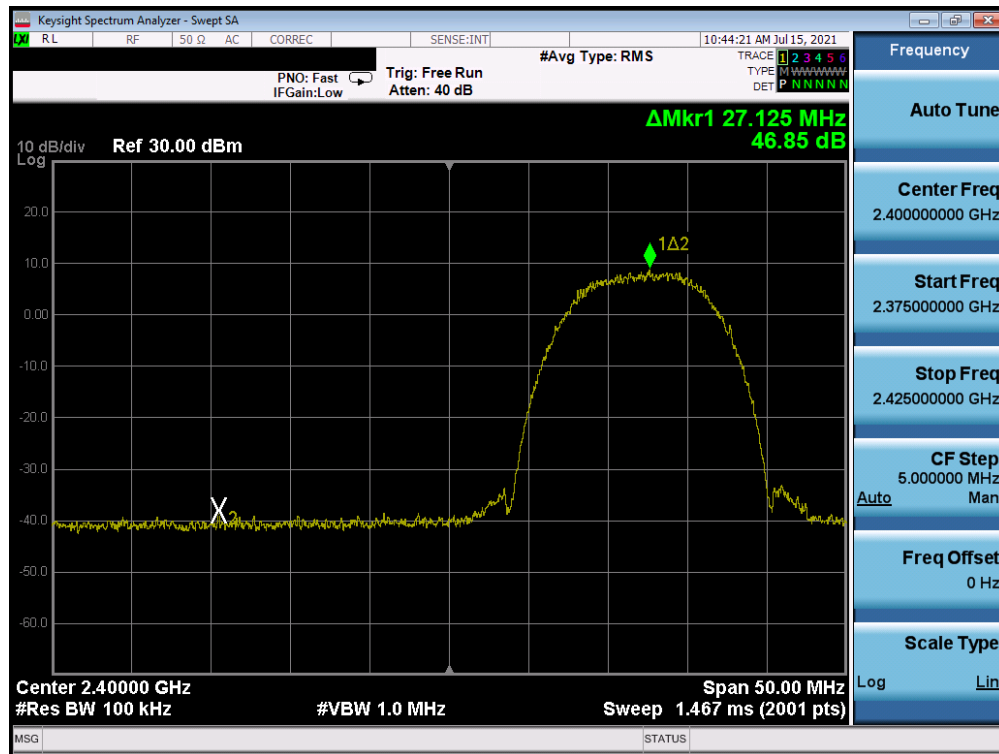
Plot 7-63. Band Edge Plot Antenna A (802.11n (2.4GHz) – Ch. 12) – MCS7



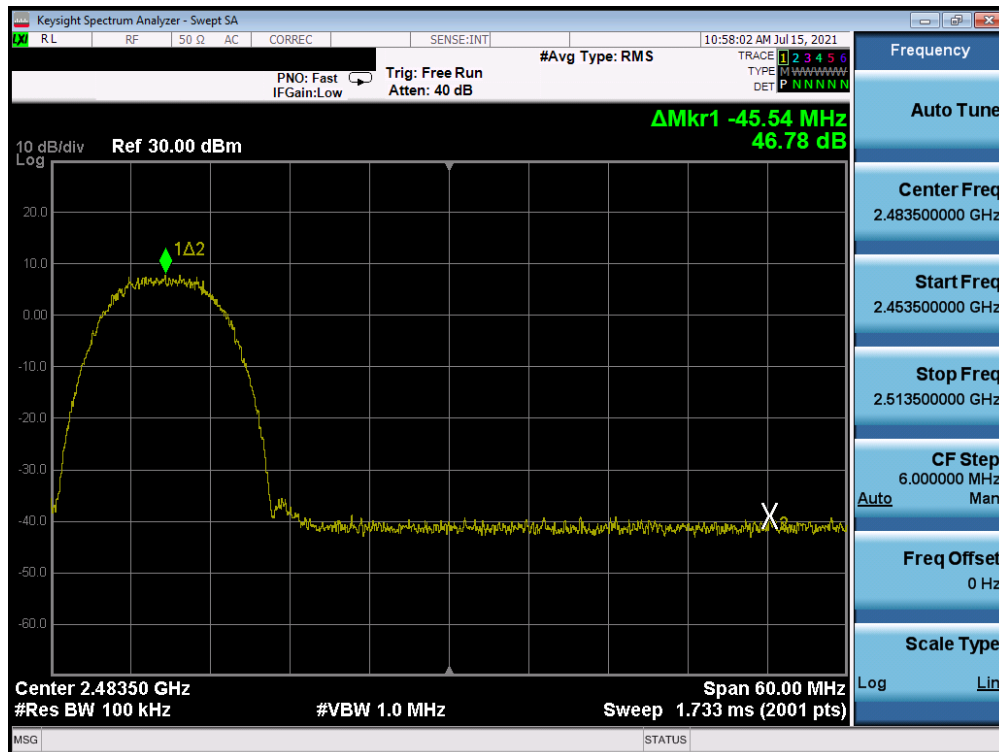
Plot 7-64. Band Edge Plot Antenna A (802.11n (2.4GHz) – Ch. 13) – MCS7

FCC ID: BCGA2603 IC: 579C-A2603	 <b>PCTEST</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080051-06.BCG	Test Dates: 05/28/2021 – 07/23/2021	EUT Type: Tablet Device	Page 61 of 112

## Antenna B Conducted Emissions at the Band Edge

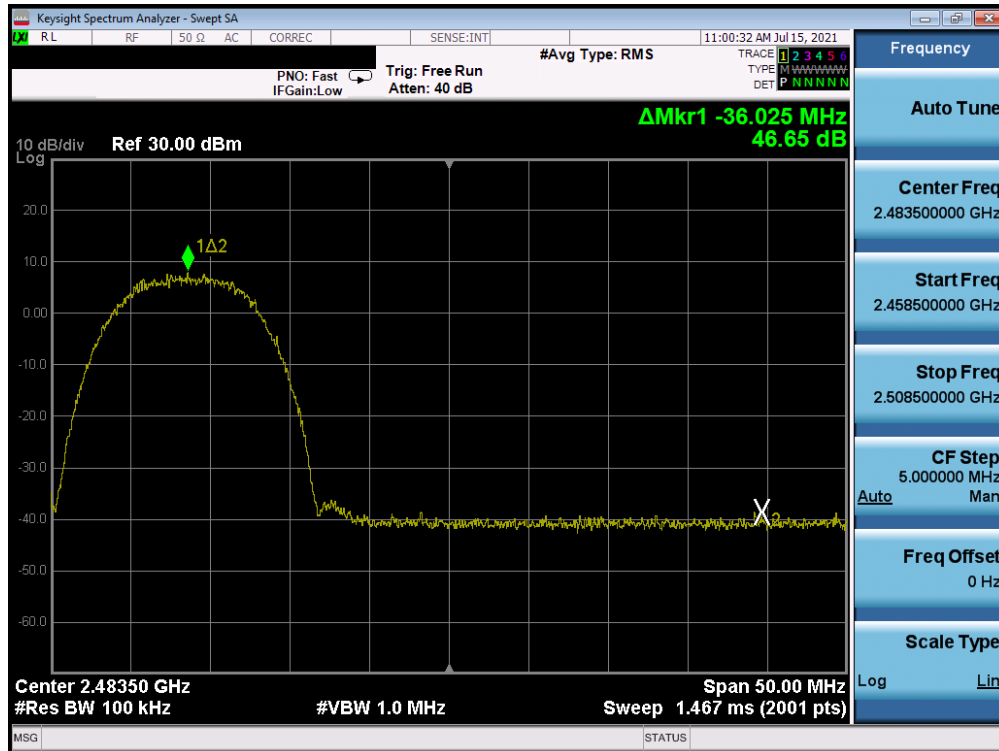


Plot 7-65. Band Edge Plot Antenna B (802.11b – Ch. 1) – 11Mbps

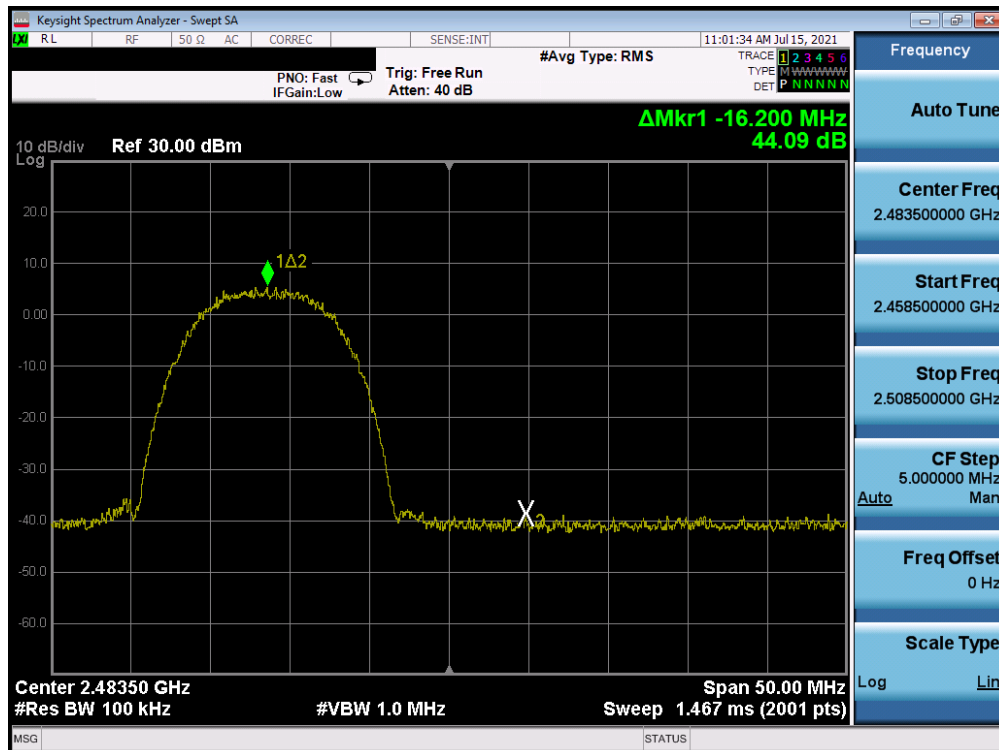


Plot 7-66. Band Edge Plot Antenna B (802.11b – Ch. 11) – 11Mbps

FCC ID: BCGA2603 IC: 579C-A2603	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080051-06.BCG	Test Dates: 05/28/2021 – 07/23/2021	EUT Type: Tablet Device	Page 62 of 112



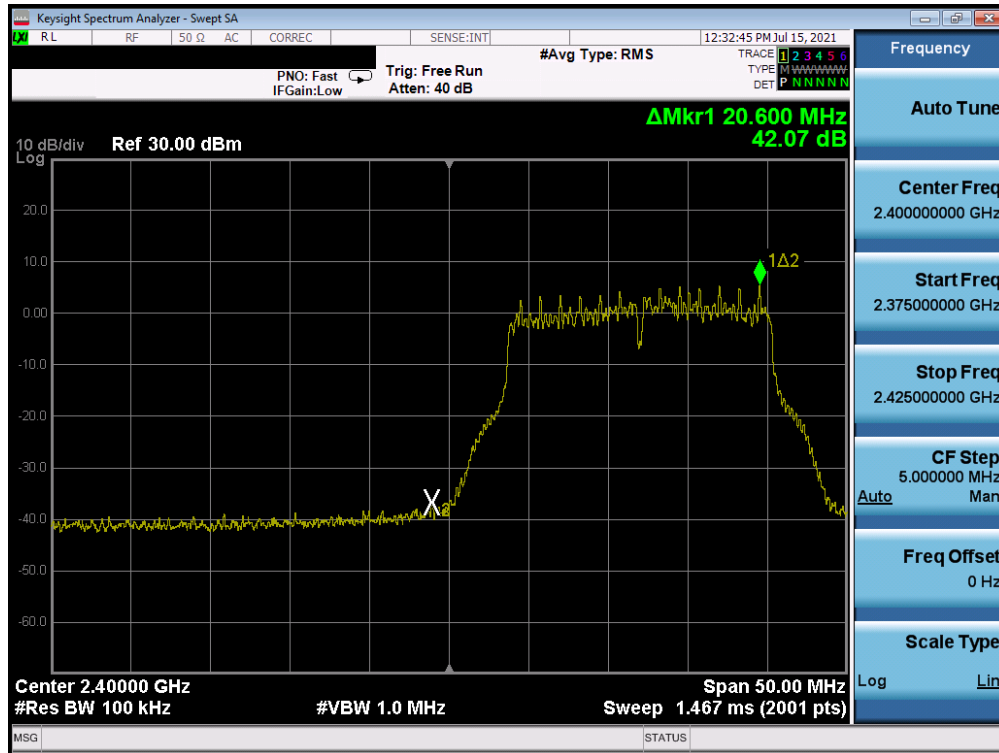
Plot 7-67. Band Edge Plot Antenna B (802.11b - Ch. 12) - 11Mbps



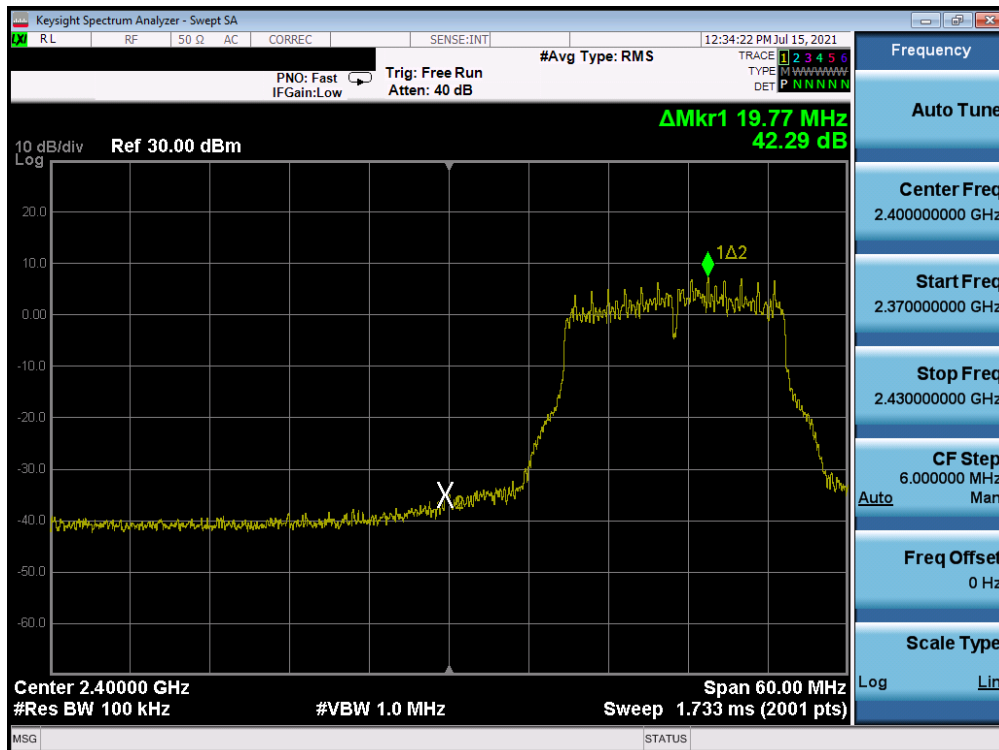
Plot 7-68. Band Edge Plot Antenna B (802.11b - Ch. 13) - 11Mbps

FCC ID: BCGA2603 IC: 579C-A2603	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080051-06.BCG	Test Dates: 05/28/2021 - 07/23/2021	EUT Type: Tablet Device	Page 63 of 112





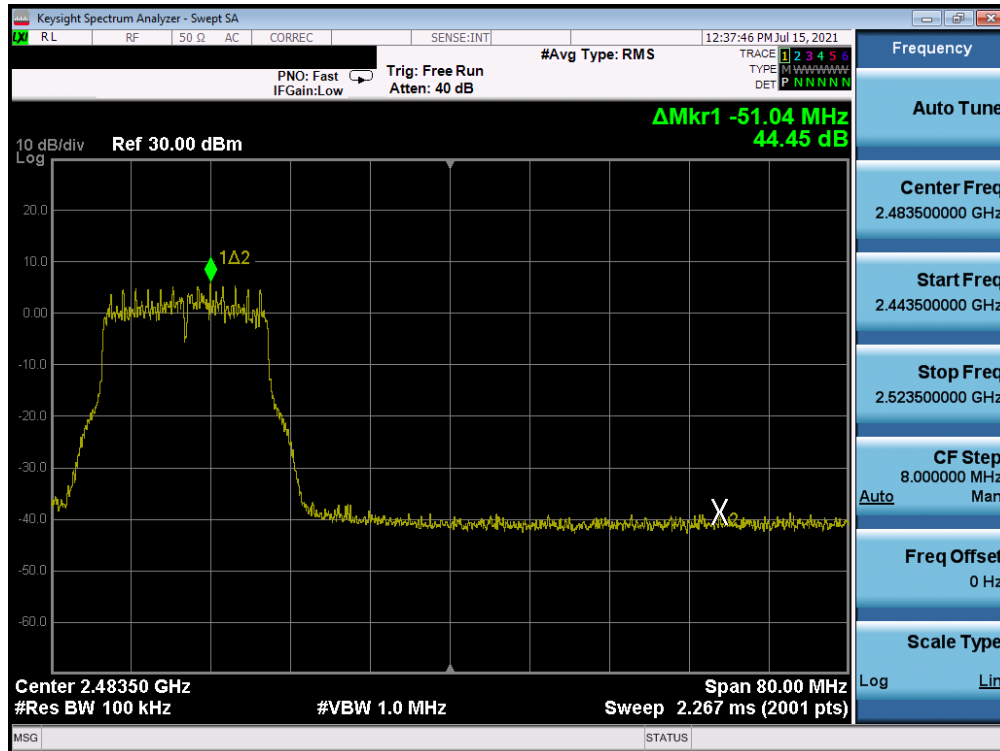
Plot 7-69. Band Edge Plot Antenna B (802.11g- Ch. 1) - 54Mbps



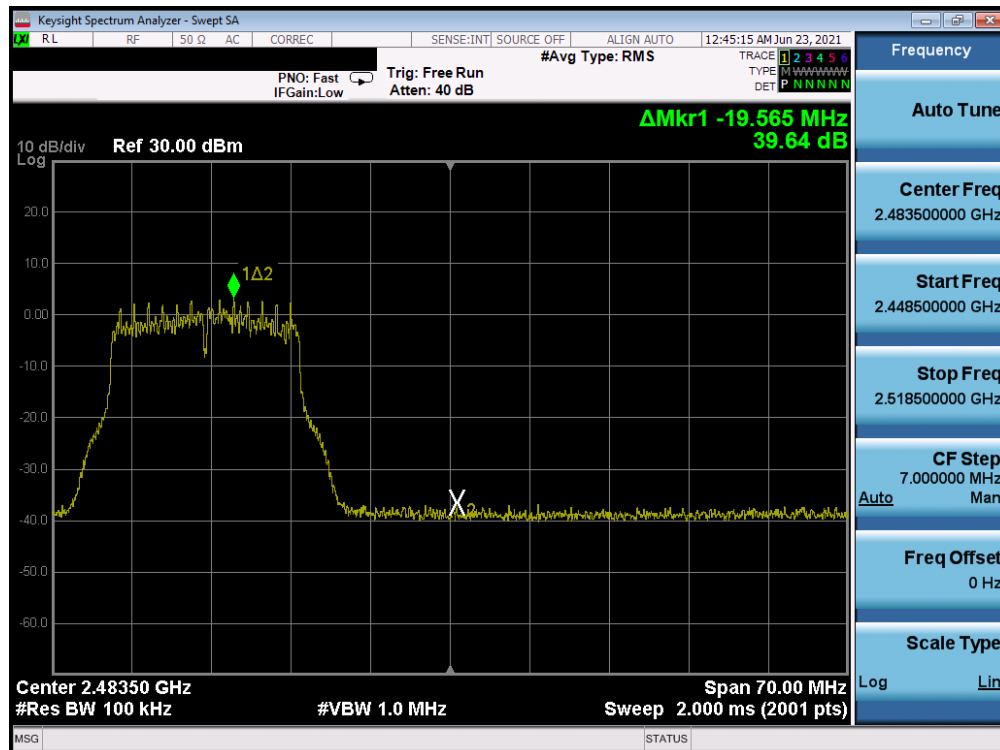
Plot 7-70. Band Edge Plot Antenna B (802.11g- Ch. 2) - 54Mbps

FCC ID: BCGA2603 IC: 579C-A2603	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080051-06.BCG	Test Dates: 05/28/2021 - 07/23/2021	EUT Type: Tablet Device	Page 64 of 112



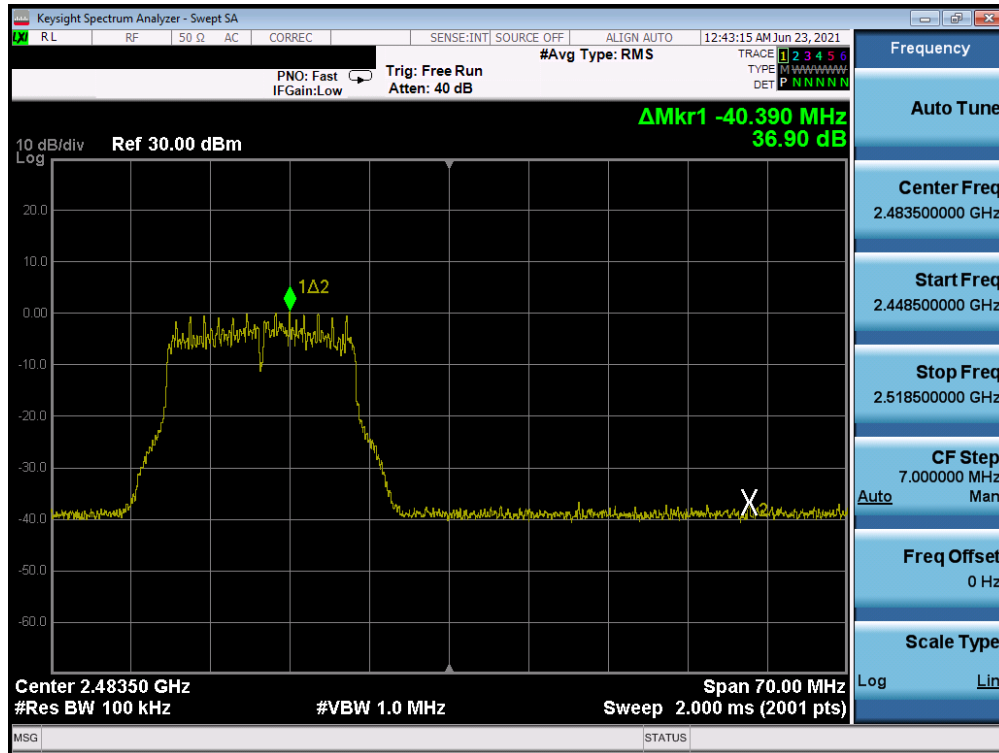


Plot 7-71. Band Edge Plot Antenna B (802.11g– Ch. 10) – 54Mbps

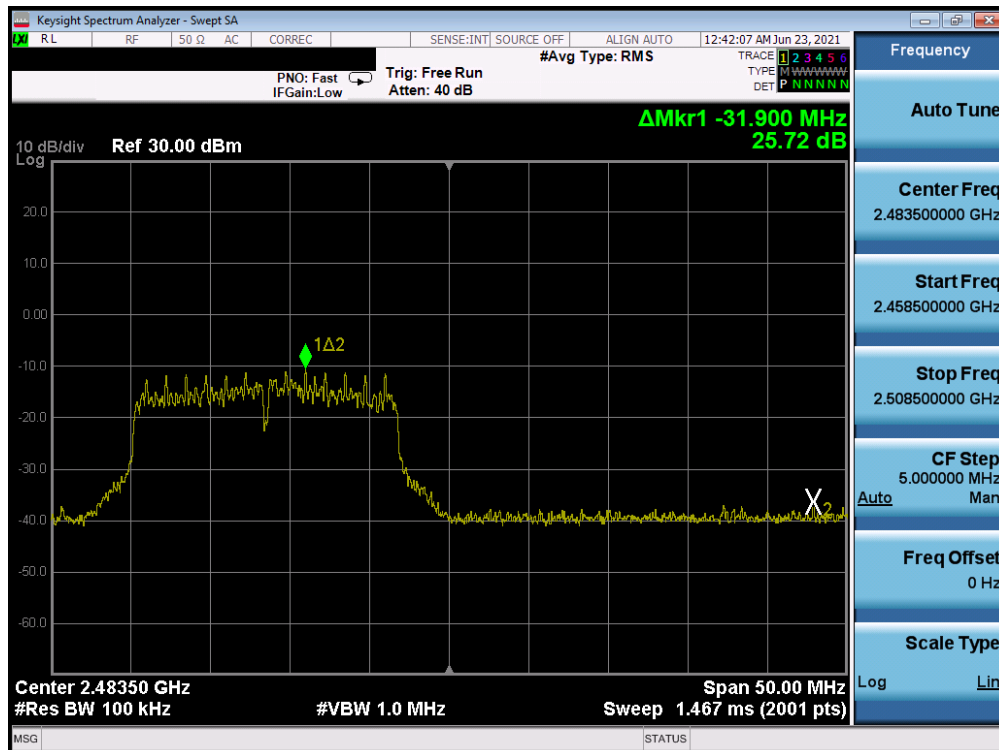


Plot 7-72. Band Edge Plot Antenna B (802.11g– Ch. 11) – 54Mbps

FCC ID: BCGA2603 IC: 579C-A2603	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080051-06.BCG	Test Dates: 05/28/2021 – 07/23/2021	EUT Type: Tablet Device	Page 65 of 112

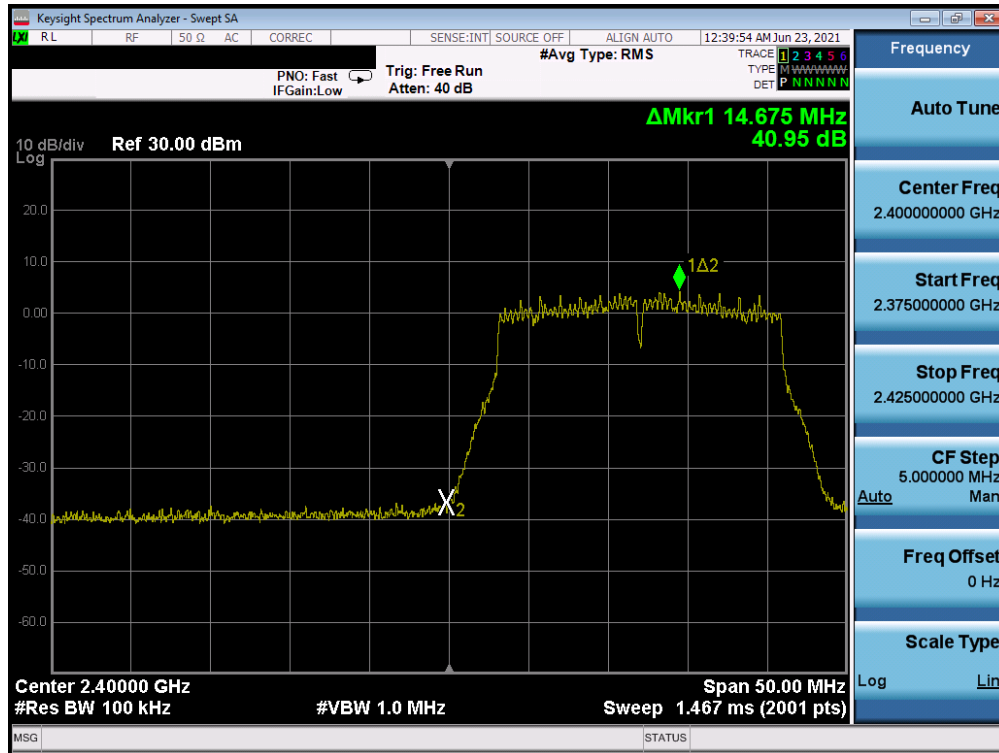


Plot 7-73. Band Edge Plot Antenna B (802.11g- Ch. 12) – 54Mbps

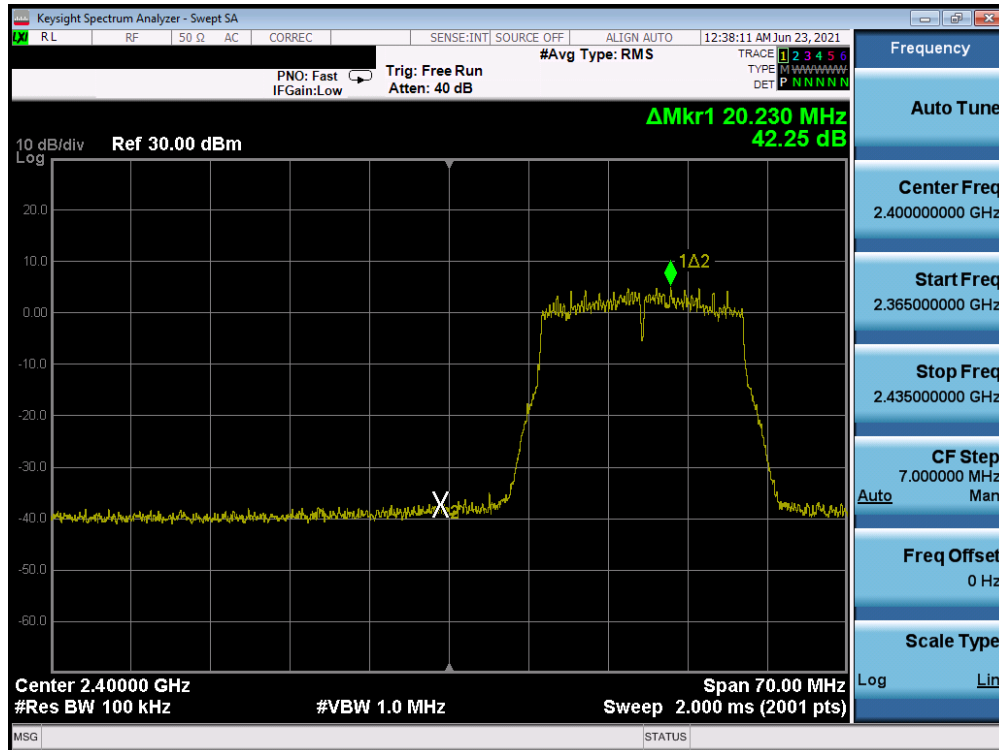


Plot 7-74. Band Edge Plot Antenna B (802.11g- Ch. 13) – 54Mbps

FCC ID: BCGA2603 IC: 579C-A2603	 <b>PCTEST</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080051-06.BCG	Test Dates: 05/28/2021 – 07/23/2021	EUT Type: Tablet Device	Page 66 of 112

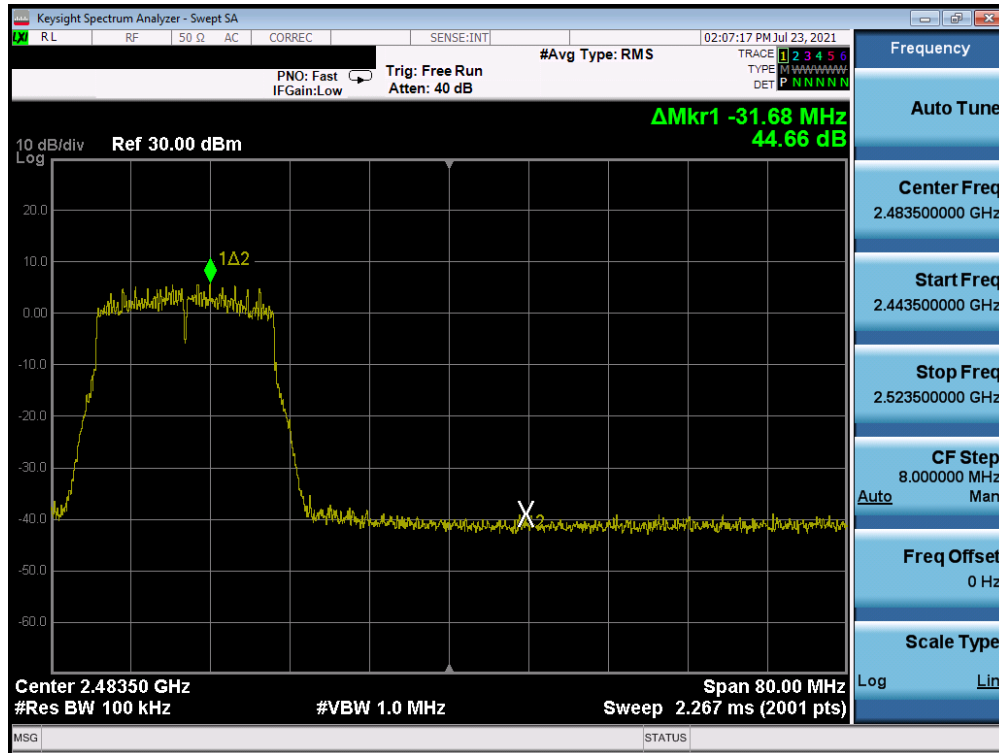


Plot 7-75. Band Edge Plot Antenna B (802.11n (2.4GHz) - Ch. 1) - MCS7

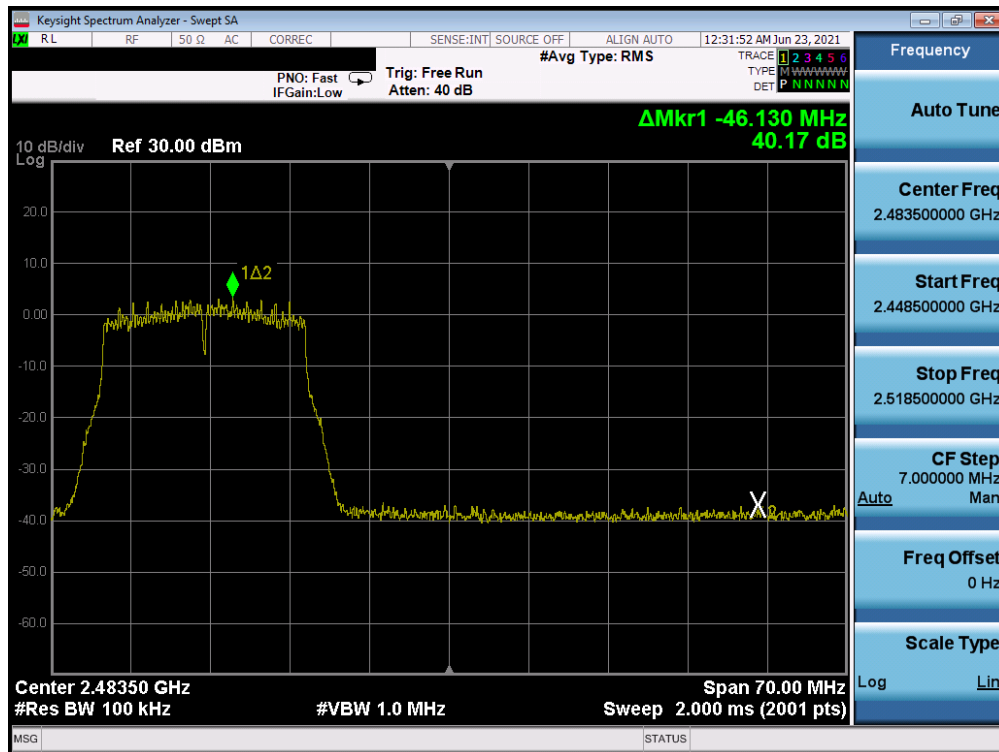


Plot 7-76. Band Edge Plot Antenna B (802.11n (2.4GHz) - Ch. 2) - MCS7

FCC ID: BCGA2603 IC: 579C-A2603	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080051-06.BCG	Test Dates: 05/28/2021 - 07/23/2021	EUT Type: Tablet Device	Page 67 of 112

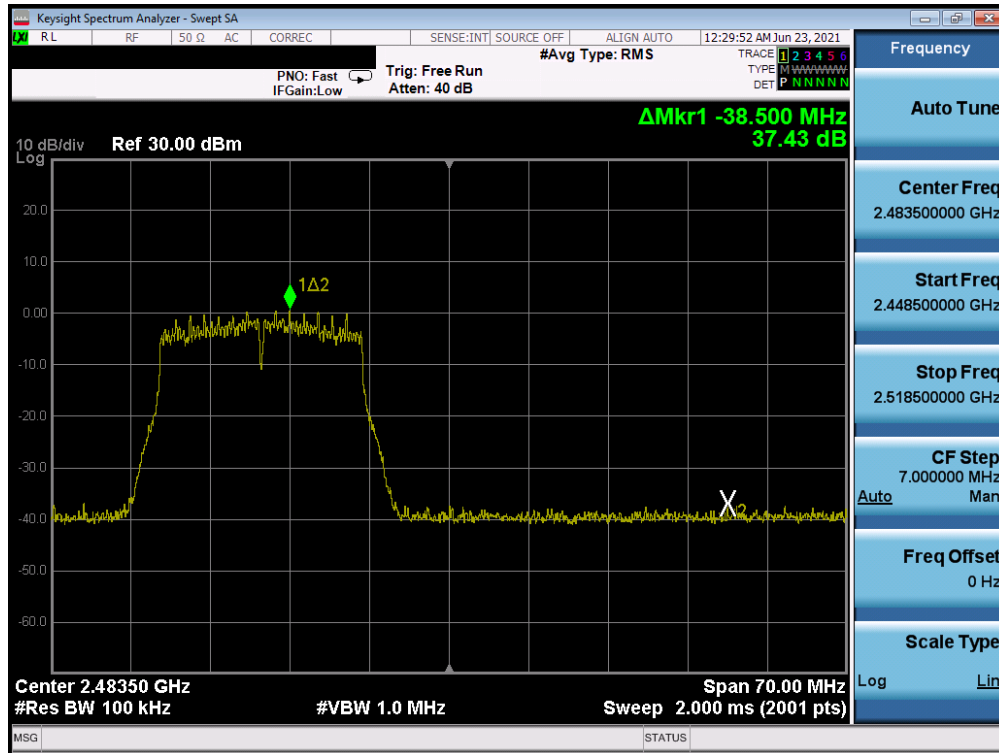


Plot 7-77. Band Edge Plot Antenna B (802.11n (2.4GHz) - Ch. 10) - MCS7

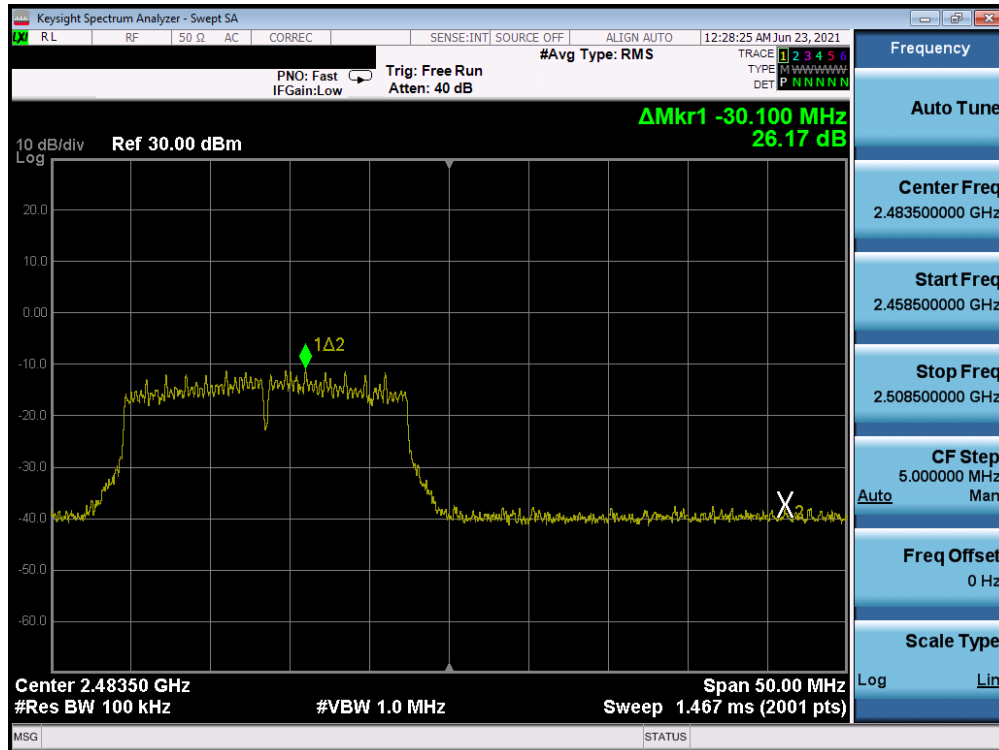


Plot 7-78. Band Edge Plot Antenna B (802.11n (2.4GHz) - Ch. 11) - MCS7

FCC ID: BCGA2603 IC: 579C-A2603	 <b>PCTEST</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080051-06.BCG	Test Dates: 05/28/2021 - 07/23/2021	EUT Type: Tablet Device	Page 68 of 112



Plot 7-79. Band Edge Plot Antenna B (802.11n (2.4GHz) – Ch. 12) – MCS7



Plot 7-80. Band Edge Plot Antenna B (802.11n (2.4GHz) – Ch. 13) – MCS7

FCC ID: BCGA2603 IC: 579C-A2603	 <b>PCTEST</b> Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080051-06.BCG	Test Dates: 05/28/2021 – 07/23/2021	EUT Type: Tablet Device	Page 69 of 112

## 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 were investigated to determine the worst case configuration. For the following out of band conducted spurious emissions plots, the EUT was investigated in all available data rates for “b”, “g”, “n” modes. The worst case spurious emissions for the 2.4GHz band were found while transmitting in “b” mode at 11 Mbps and are shown in the plots below.

***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 Section 11.11 of ANSI C63.10-2013 and KDB 558074 D01 v05r02.***

### Test Procedure Used

ANSI C63.10-2013 – Section 11.11.3  
KDB 558074 D01 v05r02 – Section 8.5  
ANSI C63.10-2013 – Section 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**

<b>FCC ID:</b> BCGA2603 <b>IC:</b> 579C-A2603	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2106080051-06.BCG	<b>Test Dates:</b> 05/28/2021 – 07/23/2021	<b>EUT Type:</b> Tablet Device	Page 70 of 112

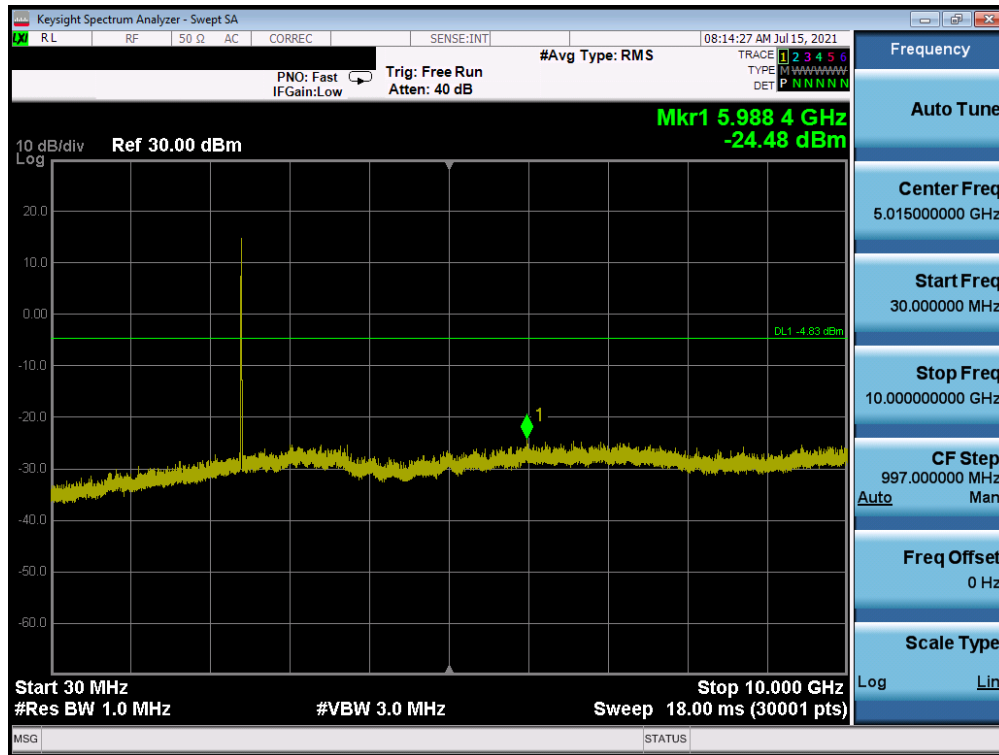
## Test Notes

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 data rates and antenna configurations were investigated and only the worst case is reported.

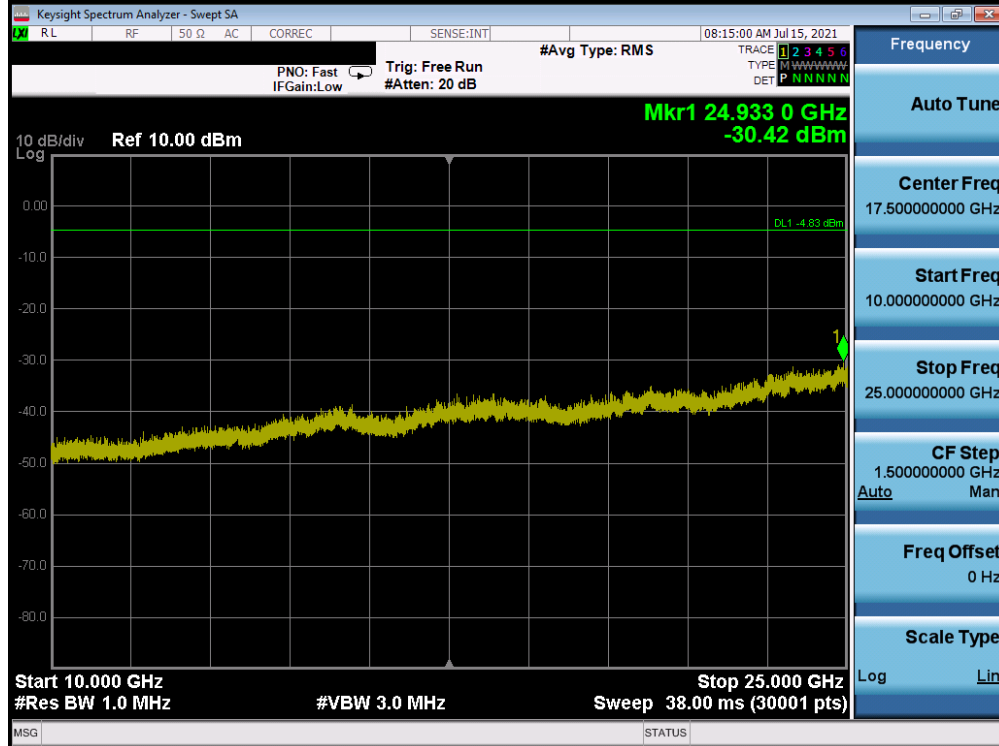
<b>FCC ID:</b> BCGA2603 <b>IC:</b> 579C-A2603	 <b>PCTEST</b> <small>Proud to be part of element</small>	<b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2106080051-06.BCG	<b>Test Dates:</b> 05/28/2021 – 07/23/2021	<b>EUT Type:</b> Tablet Device	Page 71 of 112



## Antenna A Conducted Spurious Emission

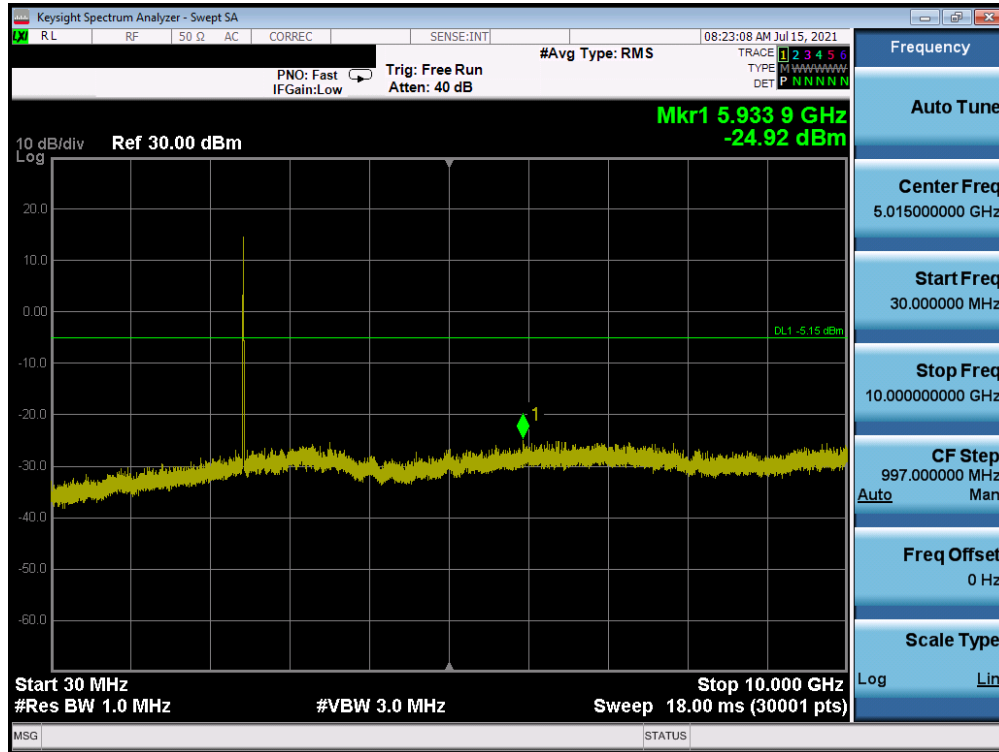


Plot 7-81. Conducted Spurious Plot Antenna A (802.11b – Ch. 1)

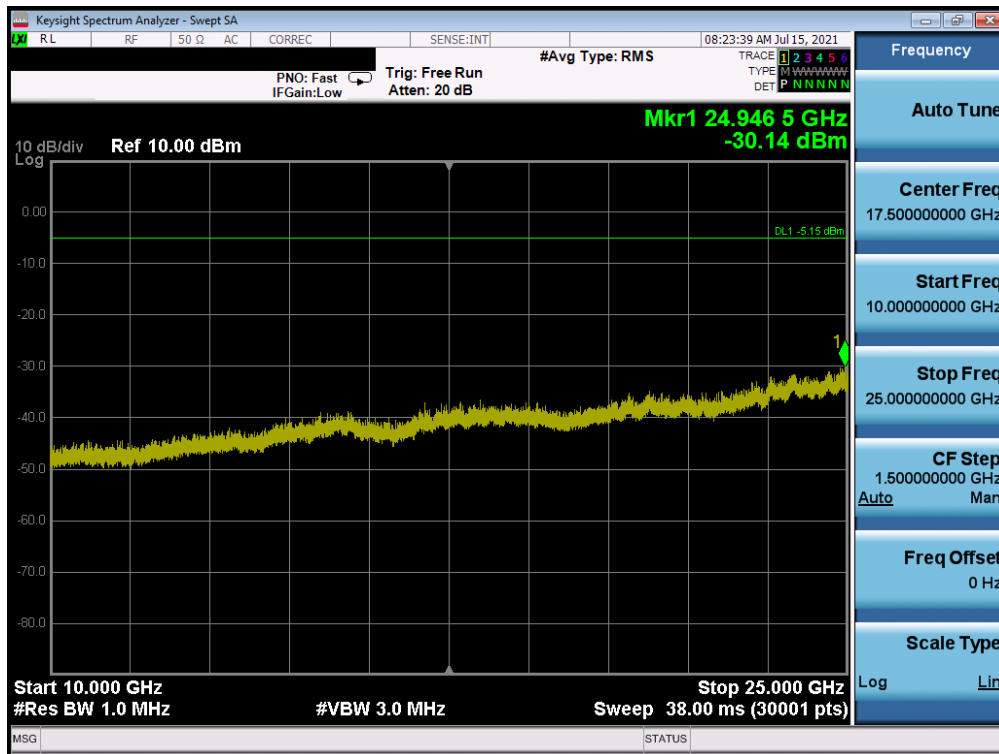


Plot 7-82. Conducted Spurious Plot Antenna A (802.11b – Ch. 1)

FCC ID: BCGA2603 IC: 579C-A2603	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080051-06.BCG	Test Dates: 05/28/2021 – 07/23/2021	EUT Type: Tablet Device	Page 72 of 112

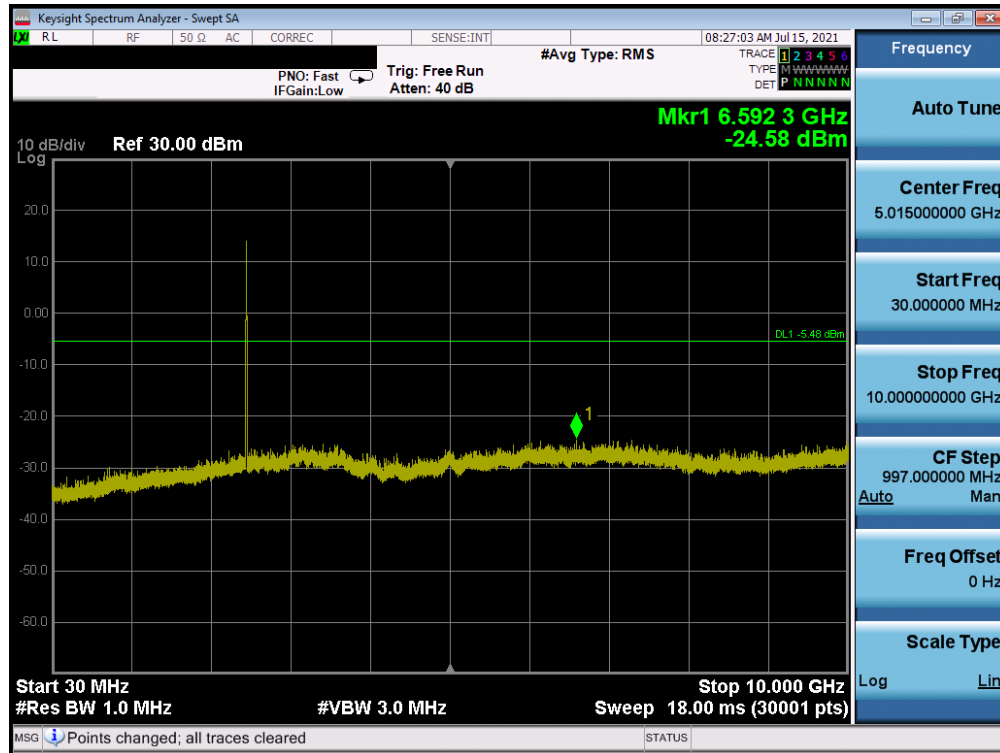


Plot 7-83. Conducted Spurious Plot Antenna A (802.11b – Ch. 6)

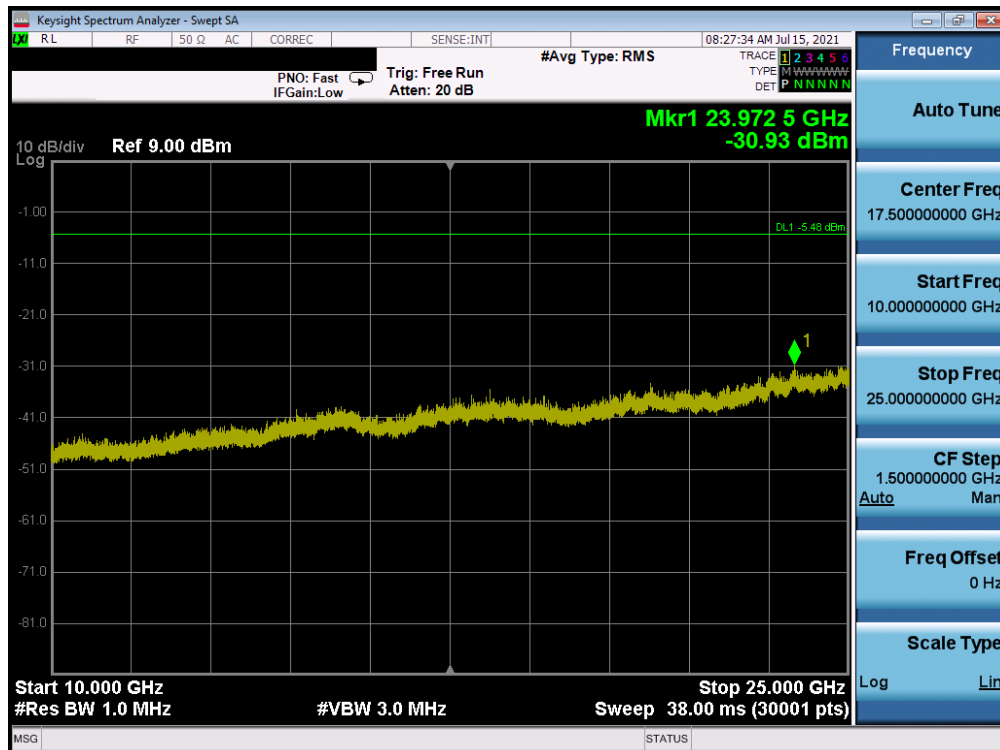


Plot 7-84. Conducted Spurious Plot Antenna A (802.11b – Ch. 6)

FCC ID: BCGA2603 IC: 579C-A2603	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080051-06.BCG	Test Dates: 05/28/2021 – 07/23/2021	EUT Type: Tablet Device	Page 73 of 112



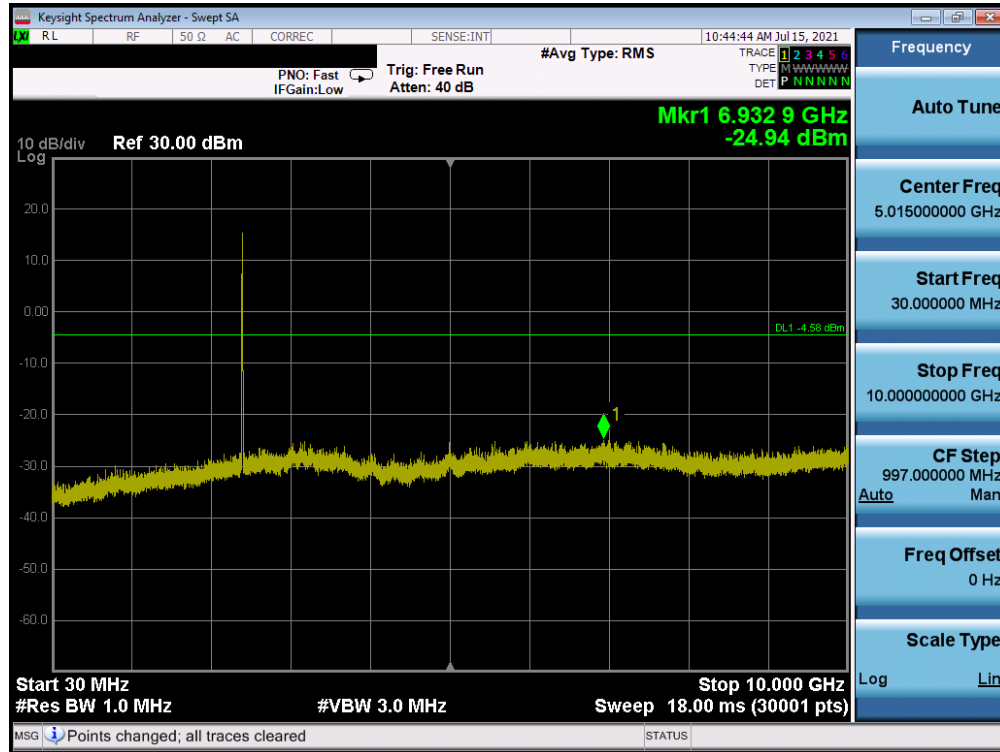
Plot 7-85. Conducted Spurious Plot Antenna A (802.11b – Ch. 11)



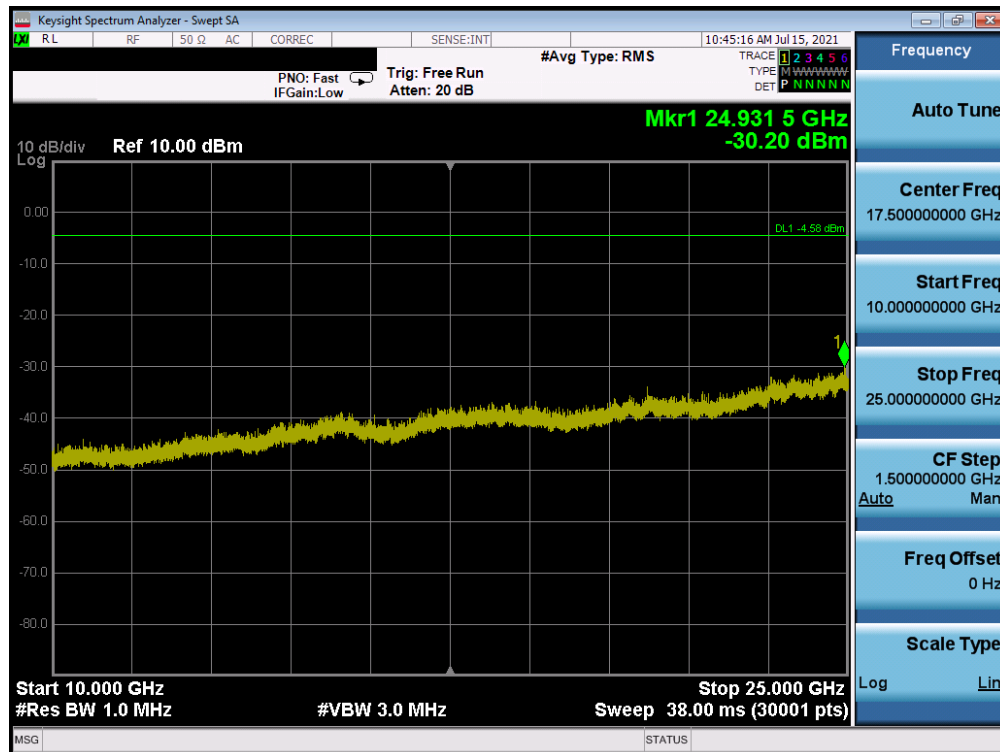
Plot 7-86. Conducted Spurious Plot Antenna A (802.11b – Ch. 11)

FCC ID: BCGA2603 IC: 579C-A2603	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080051-06.BCG	Test Dates: 05/28/2021 – 07/23/2021	EUT Type: Tablet Device	Page 74 of 112

## Antenna B Conducted Spurious Emissions

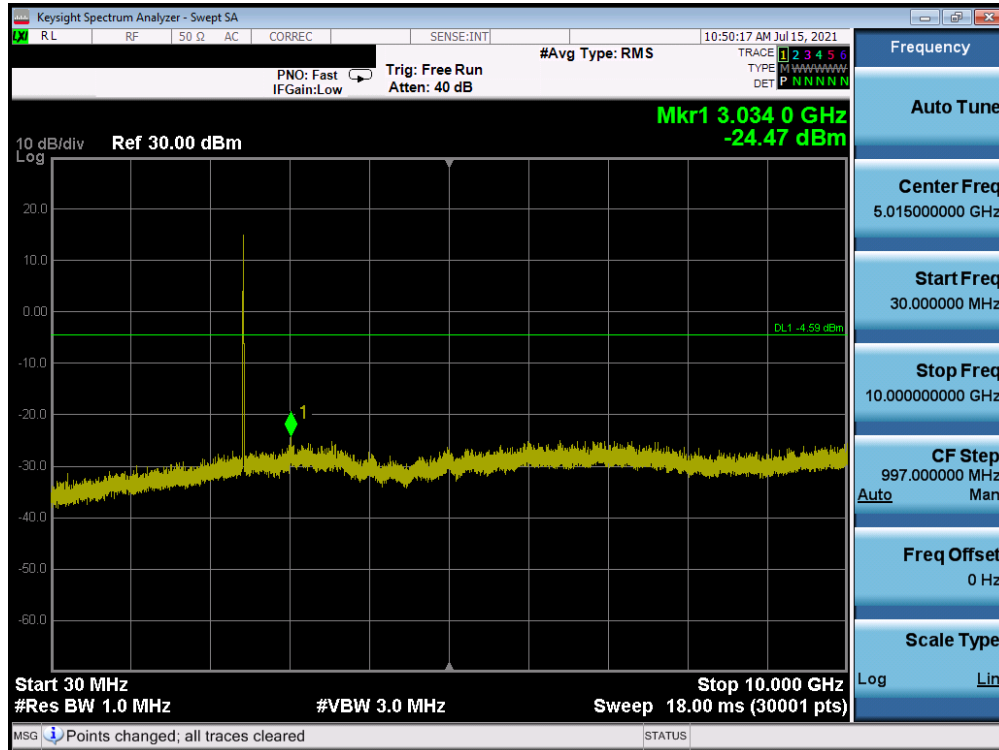


Plot 7-87. Conducted Spurious Plot Antenna B (802.11b – Ch. 1)

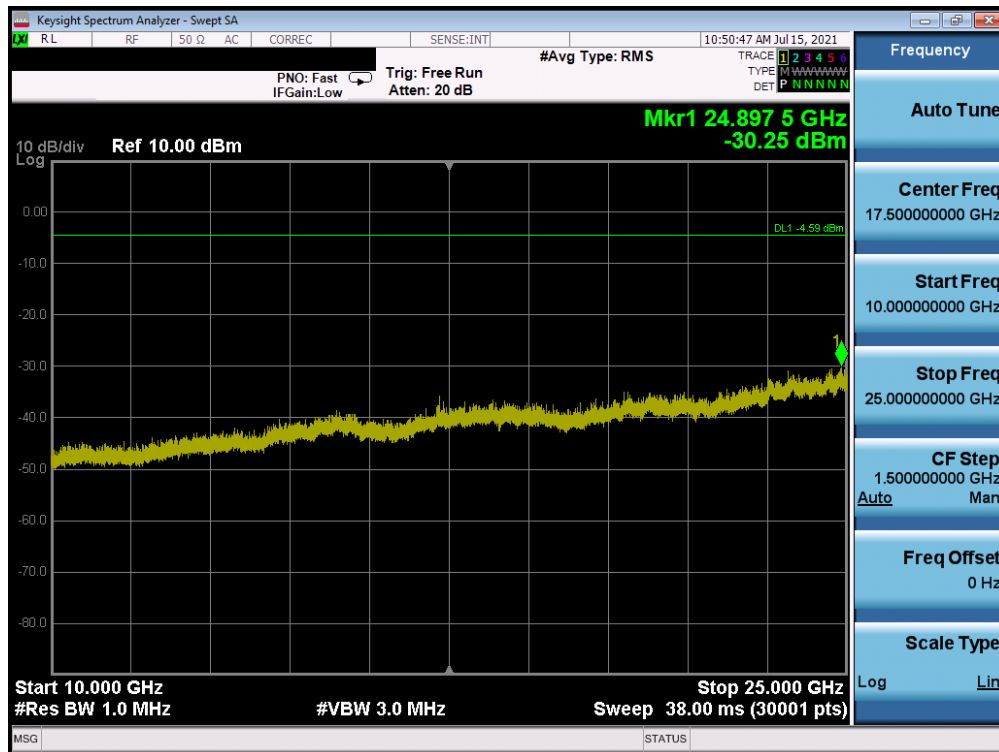


Plot 7-88. Conducted Spurious Plot Antenna B (802.11b – Ch. 1)

FCC ID: BCGA2603 IC: 579C-A2603	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080051-06.BCG	Test Dates: 05/28/2021 – 07/23/2021	EUT Type: Tablet Device	Page 75 of 112

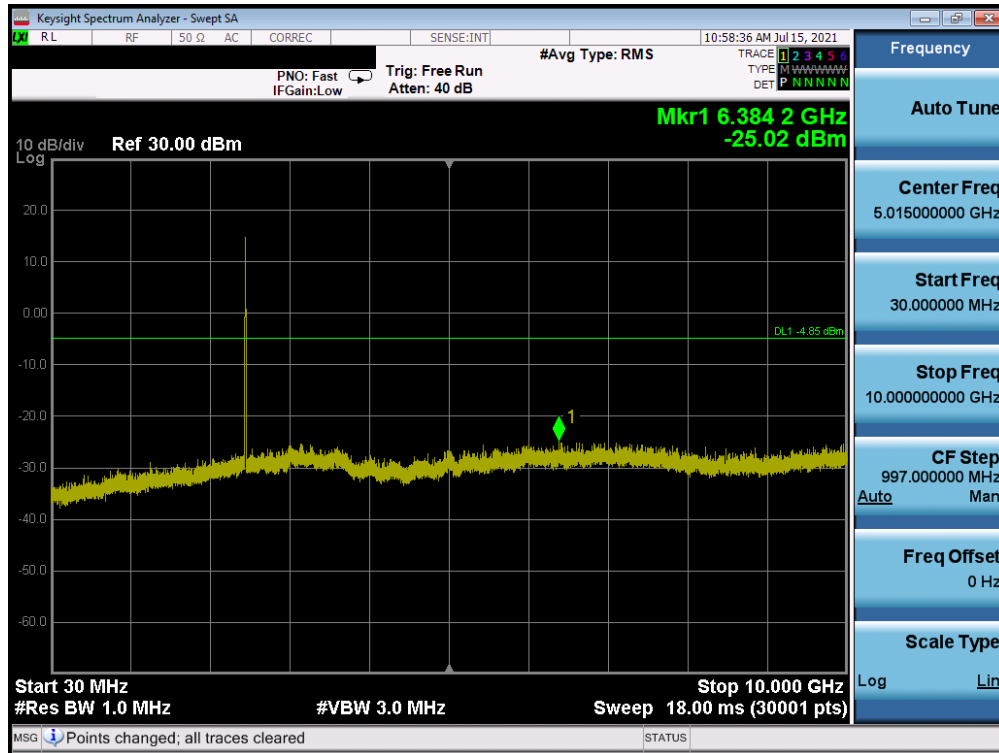


Plot 7-89. Conducted Spurious Plot Antenna B (802.11b – Ch. 6)

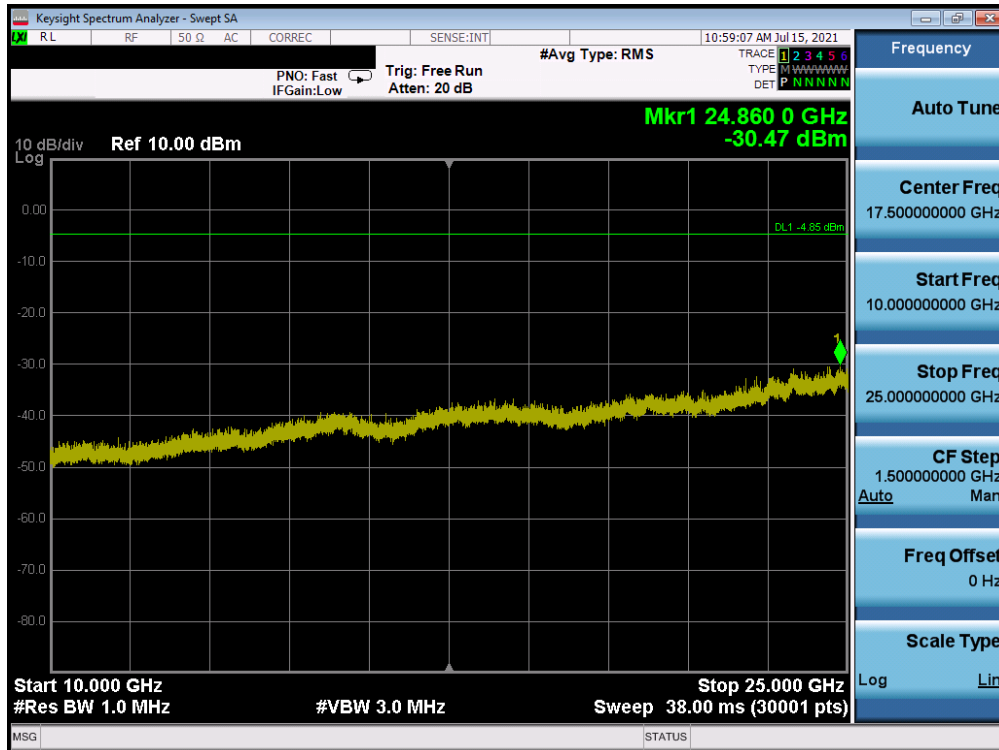


Plot 7-90. Conducted Spurious Plot Antenna B (802.11b – Ch. 6)

FCC ID: BCGA2603 IC: 579C-A2603	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080051-06.BCG	Test Dates: 05/28/2021 – 07/23/2021	EUT Type: Tablet Device	Page 76 of 112



Plot 7-91. Conducted Spurious Plot Antenna B (802.11b – Ch. 11)



Plot 7-92. Conducted Spurious Plot Antenna B (802.11b – Ch. 11)

FCC ID: BCGA2603 IC: 579C-A2603	 Proud to be part of 	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080051-06.BCG	Test Dates: 05/28/2021 – 07/23/2021	EUT Type: Tablet Device	Page 77 of 112

## 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 7-15 per Section 15.209 and RSS-Gen (8.9).***

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

**Table 7-15. Radiated Limits**

### Test Procedures Used

ANSI C63.10-2013 – Section 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  $\geq 2 \times \text{span/RBW}$ )
6. Sweep time = auto
7. Trace (RMS) averaging was performed over at least 100 traces

#### Peak Field Strength Measurements

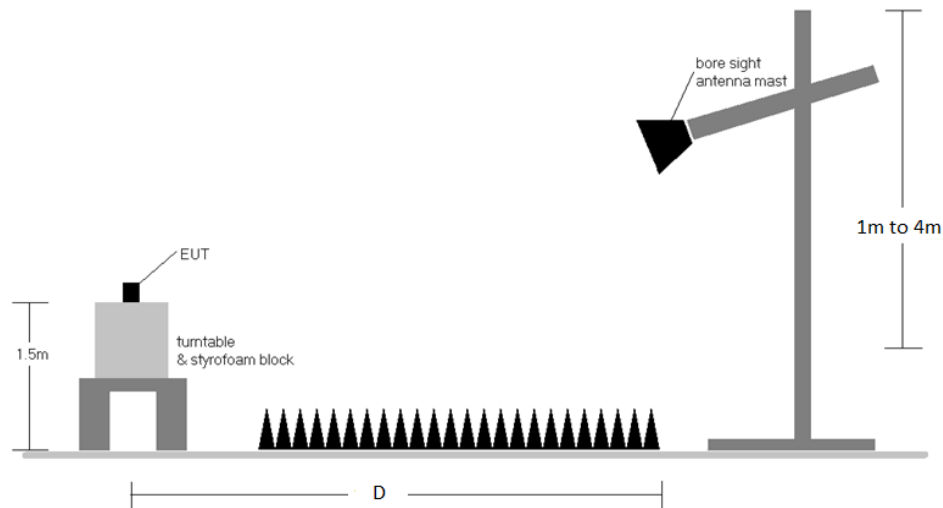
1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = 1MHz
3. VBW = 3MHz
4. Detector = peak
5. Sweep time = auto couple
6. Trace mode = max hold
7. Trace was allowed to stabilize

<b>FCC ID:</b> BCGA2603 <b>IC:</b> 579C-A2603	 <b>PCTEST</b> Proud to be part of 	<b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2106080051-06.BCG	<b>Test Dates:</b> 05/28/2021 – 07/23/2021	<b>EUT Type:</b> Tablet Device	Page 78 of 112



## 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 7-15.
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 antenna configurations were investigated and only the worst case is reported.
10. The unit was tested with all possible modes and only the highest emission is reported.

<b>FCC ID:</b> BCGA2603 <b>IC:</b> 579C-A2603	<b>PCTEST</b> Proud to be part of element	<b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2106080051-06.BCG	<b>Test Dates:</b> 05/28/2021 – 07/23/2021	<b>EUT Type:</b> Tablet Device	Page 79 of 112

## Sample Calculations

### Determining Spurious Emissions Levels

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

### Radiated Band Edge Measurement Offset

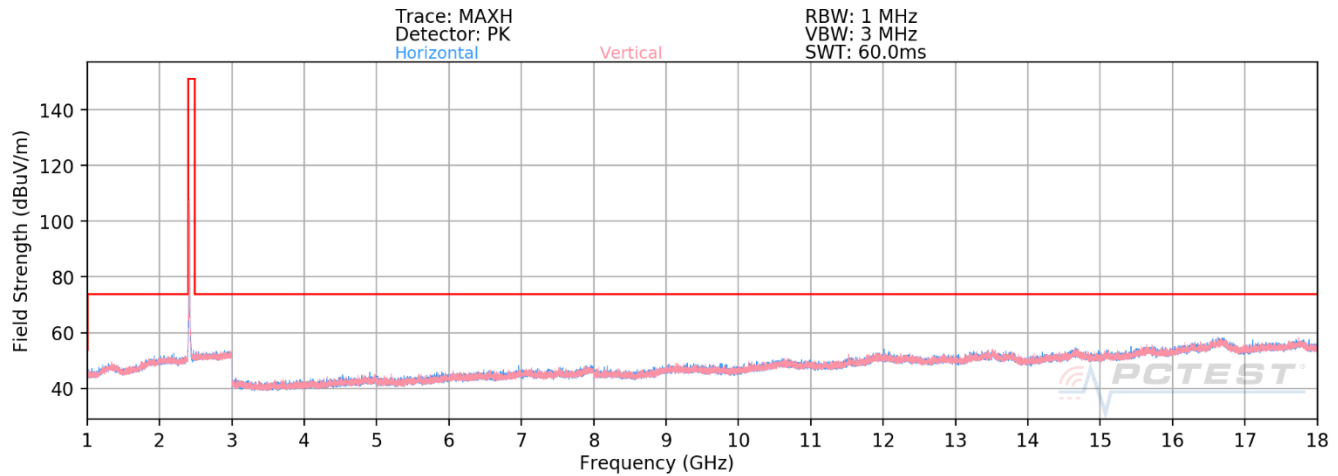
- The amplitude offsets shown in the radiated restricted band edge plots in Sections 7.7.4, 7.7.5, and 7.7.6 were calculated using the formula:  

$$\text{Offset (dB)} = (\text{Antenna Factor} + \text{Cable Loss} + \text{Attenuator}) - \text{Preamplifier Gain}$$

<b>FCC ID:</b> BCGA2603 <b>IC:</b> 579C-A2603	 <b>MEASUREMENT REPORT (CERTIFICATION)</b>		<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2106080051-06.BCG	<b>Test Dates:</b> 05/28/2021 – 07/23/2021	<b>EUT Type:</b> Tablet Device	Page 80 of 112

## 7.7.1 Antenna A Radiated Spurious Emission Measurements

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



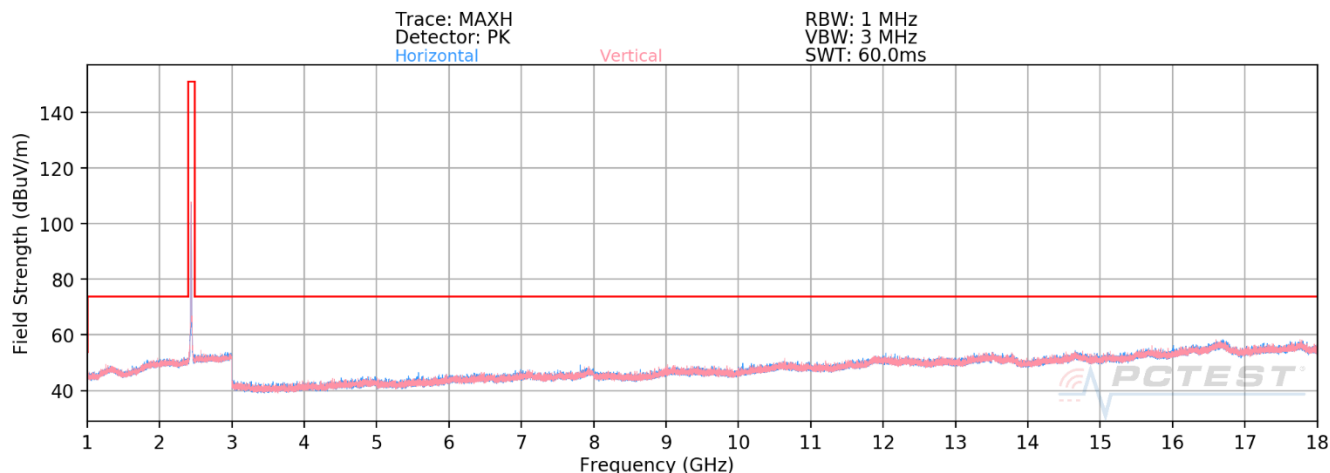
**Plot 7-93. Radiated Spurious Emissions above 1GHz Antenna A (802.11b – Ch. 1)**

Mode: 802.11b  
Data Rate: 1Mbps  
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 [dBuV/m]	Limit [dBuV/m]	Margin [dB]
4824.00	Avg	-	-	-	-81.43	8.01	33.58	53.98	-20.40
4824.00	Peak	-	-	-	-70.08	8.01	44.93	73.98	-29.05
12060.00	Avg	-	-	-	-80.79	17.60	43.81	53.98	-10.17
12060.00	Peak	-	-	-	-69.42	17.60	55.18	73.98	-18.80

**Table 7-16. Radiated Measurements Antenna A**

FCC ID: BCGA2603 IC: 579C-A2603	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080051-06.BCG	Test Dates: 05/28/2021 – 07/23/2021	EUT Type: Tablet Device	Page 81 of 112



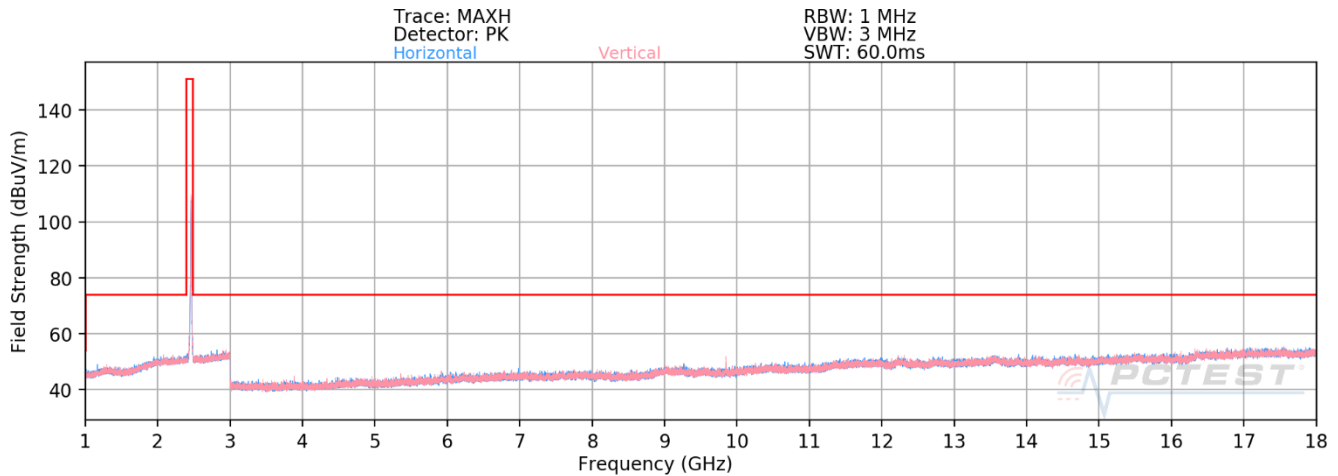
**Plot 7-94. Radiated Spurious Emissions above 1GHz Antenna A (802.11b – Ch. 6)**

Mode: 802.11b  
Data Rate: 1Mbps  
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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4874.00	Avg	V	310	6	-79.27	8.23	35.96	53.98	-18.02
4874.00	Peak	V	310	6	-69.03	8.23	46.20	73.98	-27.78
7311.00	Avg	V	277	57	-79.21	11.25	39.04	53.98	-14.94
7311.00	Peak	V	277	57	-68.64	11.25	49.61	73.98	-24.37
12185.00	Avg	V	-	-	-80.57	17.33	43.76	53.98	-10.22
12185.00	Peak	V	-	-	-69.67	17.33	54.66	73.98	-19.32

**Table 7-17. Radiated Measurements Antenna A**

FCC ID: BCGA2603 IC: 579C-A2603	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080051-06.BCG	Test Dates: 05/28/2021 – 07/23/2021	EUT Type: Tablet Device	Page 82 of 112



**Plot 7-95. Radiated Spurious Emissions above 1GHz Antenna A (802.11b – Ch. 11)**

Mode: 802.11b  
Data Rate: 1Mbps  
Distance of Measurements: 3 Meters  
Operating Frequency: 2462MHz  
Channel: 11

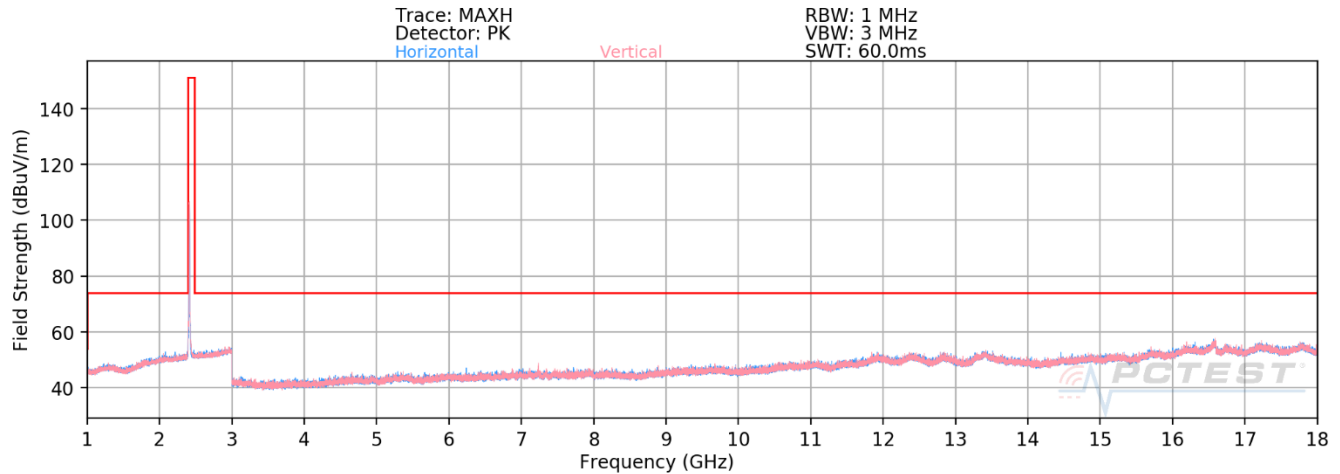
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
4924.00	Avg	V	297	8	-75.06	4.95	36.89	53.98	-17.09
4924.00	Peak	V	297	8	-67.82	4.95	44.13	73.98	-29.85
7386.00	Avg	V	269	48	-75.29	8.52	40.23	53.98	-13.75
7386.00	Peak	V	269	48	-67.43	8.52	48.09	73.98	-25.89
12310.00	Avg	V	-	-	-82.28	15.02	39.74	53.98	-14.24
12310.00	Peak	V	-	-	-71.42	15.02	50.60	73.98	-23.38

**Table 7-18. Radiated Measurements Antenna A**

FCC ID: BCGA2603 IC: 579C-A2603	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080051-06.BCG	Test Dates: 05/28/2021 – 07/23/2021	EUT Type: Tablet Device	Page 83 of 112

## 7.7.2 Antenna B Radiated Spurious Emission Measurements

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



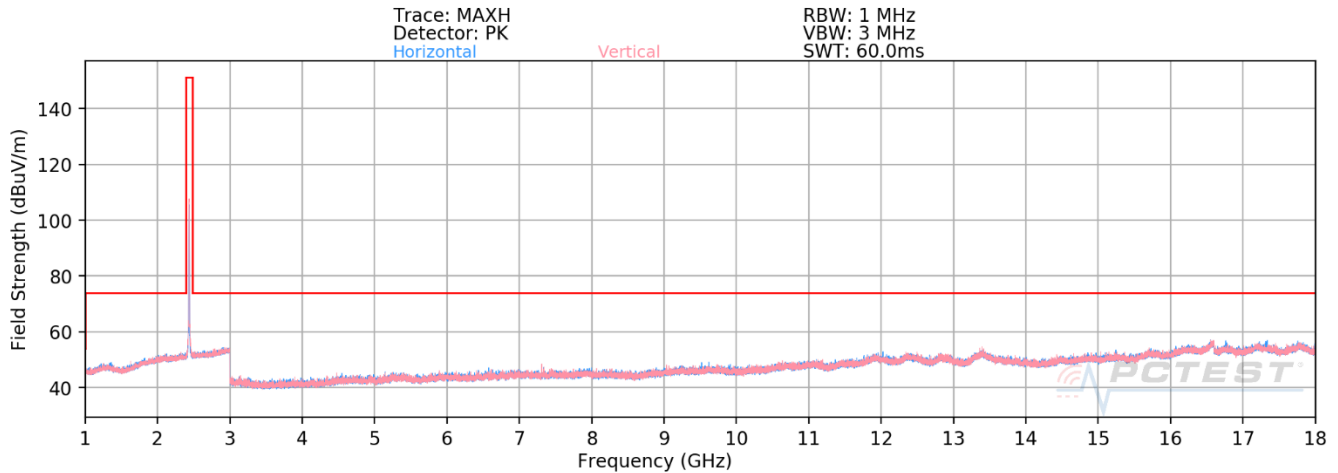
**Plot 7-96. Radiated Spurious Emissions above 1GHz Antenna B (802.11b – Ch. 1)**

Mode: 802.11b  
Data Rate: 1Mbps  
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	Avg	V	333	13	-77.12	6.17	36.05	53.98	-17.93
4824.00	Peak	V	333	13	-68.22	6.17	44.95	73.98	-29.03
12060.00	Avg	V	-	-	-81.82	15.36	40.54	53.98	-13.44
12060.00	Peak	V	-	-	-70.41	15.36	51.95	73.98	-22.03

**Table 7-19. Radiated Measurements Antenna B**

FCC ID: BCGA2603 IC: 579C-A2603	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080051-06.BCG	Test Dates: 05/28/2021 – 07/23/2021	EUT Type: Tablet Device	Page 84 of 112



**Plot 7-97. Radiated Spurious Emissions above 1GHz Antenna B (802.11b – Ch. 6)**

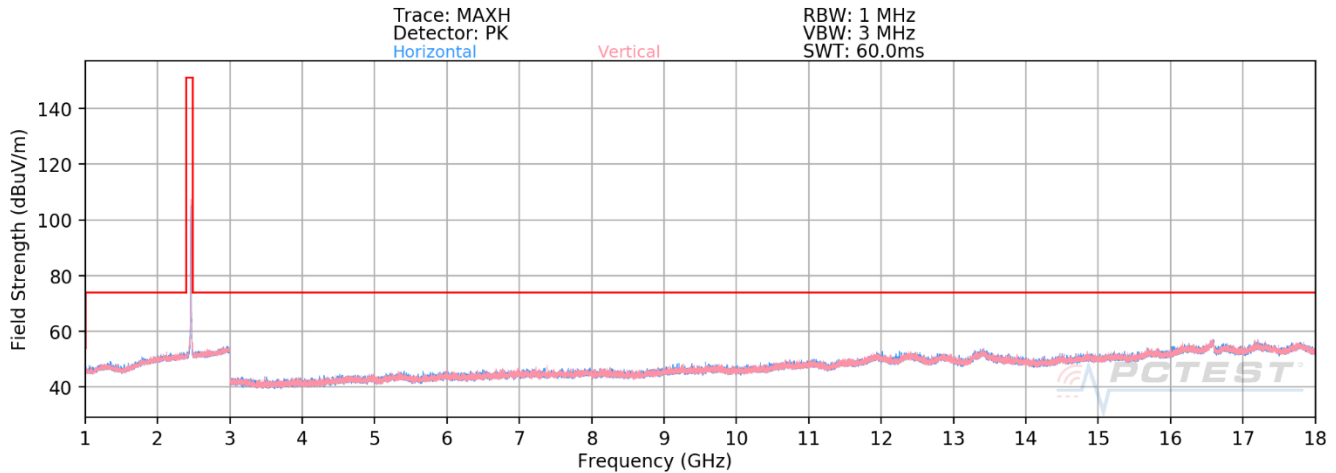
Mode: 802.11b  
Data Rate: 1Mbps  
Distance of Measurements: 3 Meters  
Operating Frequency: 2437MHz  
Channel: 06

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4874.00	Avg	V	333	326	-76.72	6.24	36.52	53.98	-17.46
4874.00	Peak	V	333	326	-67.43	6.24	45.81	73.98	-28.17
7311.00	Avg	V	297	44	-74.37	9.68	42.31	53.98	-11.67
7311.00	Peak	V	297	44	-66.31	9.68	50.37	73.98	-23.61
12185.00	Avg	V	-	-	-82.21	15.51	40.30	53.98	-13.68
12185.00	Peak	V	-	-	-70.57	15.51	51.94	73.98	-22.04

**Table 7-20. Radiated Measurements Antenna B**

FCC ID: BCGA2603 IC: 579C-A2603	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080051-06.BCG	Test Dates: 05/28/2021 – 07/23/2021	EUT Type: Tablet Device	Page 85 of 112





**Plot 7-98. Radiated Spurious Emissions above 1GHz Antenna B (802.11b – Ch. 11)**

Mode: 802.11b  
Data Rate: 1Mbps  
Distance of Measurements: 3 Meters  
Operating Frequency: 2462MHz  
Channel: 11

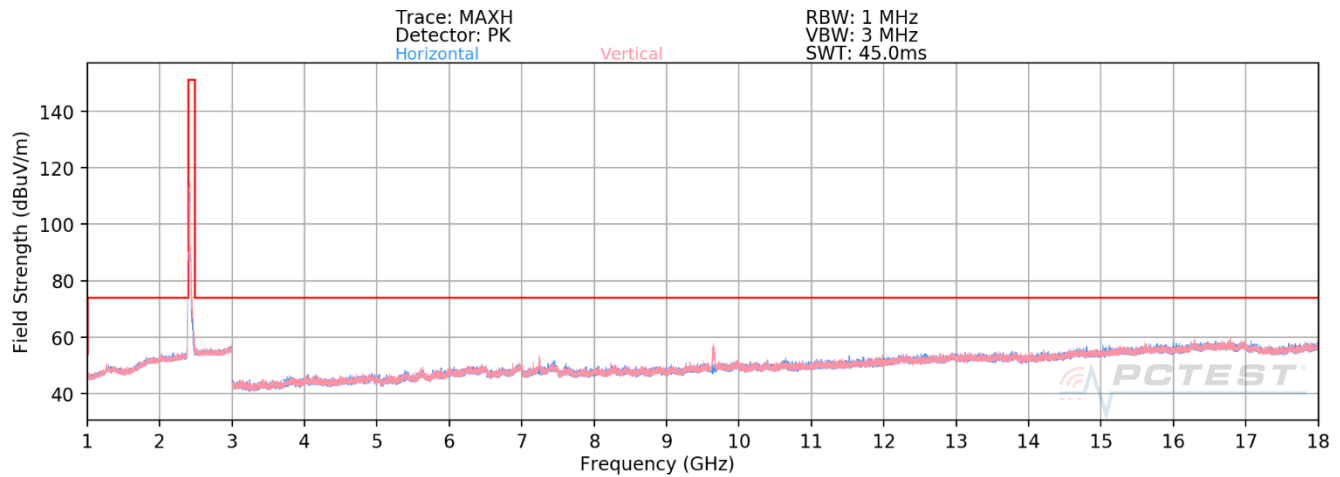
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
4924.00	Avg	V	342	326	-75.03	6.85	38.82	53.98	-15.16
4924.00	Peak	V	342	326	-66.94	6.85	46.91	73.98	-27.07
7386.00	Avg	V	280	30	-74.33	9.90	42.57	53.98	-11.41
7386.00	Peak	V	280	30	-66.86	9.90	50.04	73.98	-23.94
12310.00	Avg	V	-	-	-82.49	15.82	40.33	53.98	-13.65
12310.00	Peak	V	-	-	-71.08	15.82	51.74	73.98	-22.24

**Table 7-21. Radiated Measurements Antenna B**

FCC ID: BCGA2603 IC: 579C-A2603	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080051-06.BCG	Test Dates: 05/28/2021 – 07/23/2021	EUT Type: Tablet Device	Page 86 of 112

### 7.7.3 CDD Radiated Spurious Emission Measurements

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



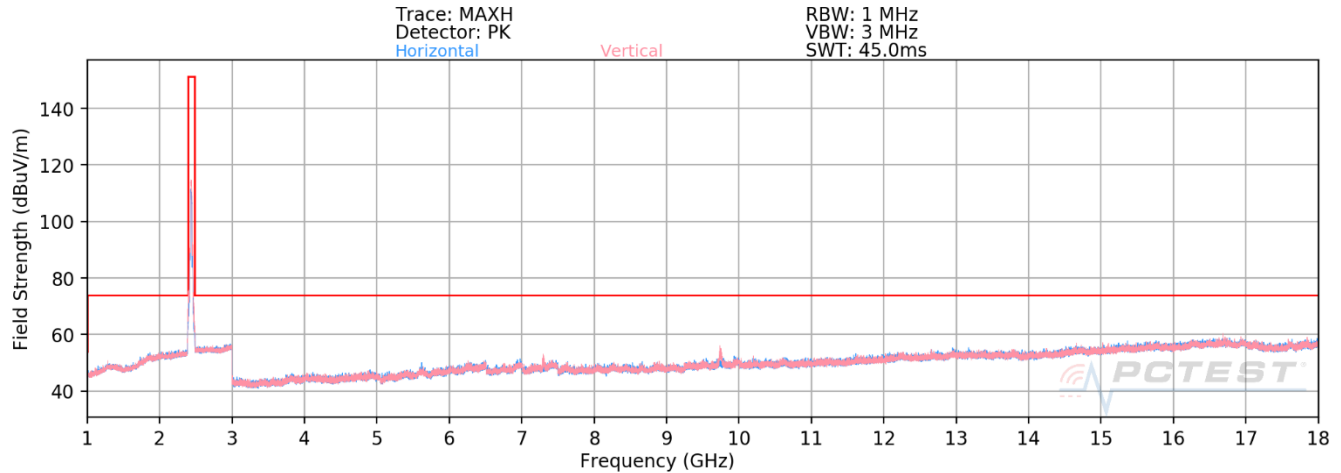
**Plot 7-99. Radiated Spurious Emissions above 1GHz CDD (802.11n – Ch. 1)**

Mode: 802.11n  
Data Rate: MCS8  
Distance of Measurements: 3 Meters  
Operating Frequency: 2412MHz  
Channel: 01

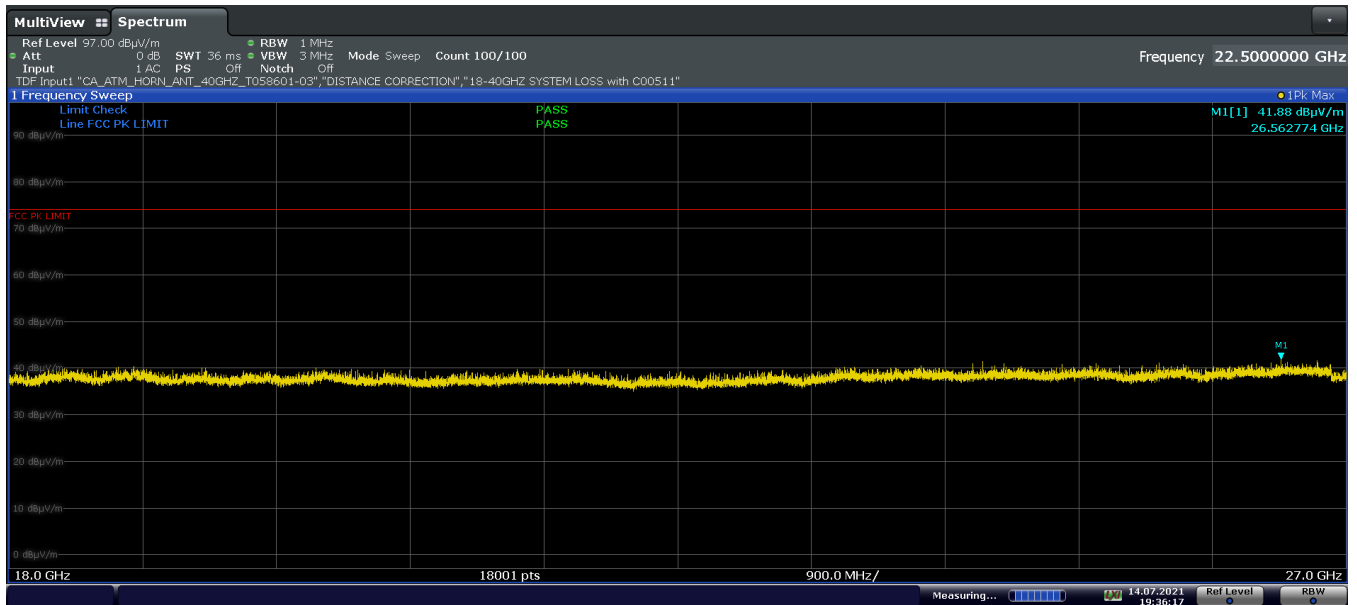
Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	Limit [dBuV/m]	Margin [dB]
4824.00	Avg	V	-	-	-80.68	8.01	34.33	53.98	-19.65
4824.00	Peak	V	-	-	-69.40	8.01	45.61	73.98	-28.37
12060.00	Avg	V	-	-	-84.46	17.60	40.14	53.98	-13.84
12060.00	Peak	V	-	-	-72.77	17.60	51.83	73.98	-22.15

**Table 7-22. Radiated Measurements CDD**

FCC ID: BCGA2603 IC: 579C-A2603	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080051-06.BCG	Test Dates: 05/28/2021 – 07/23/2021	EUT Type: Tablet Device	Page 87 of 112

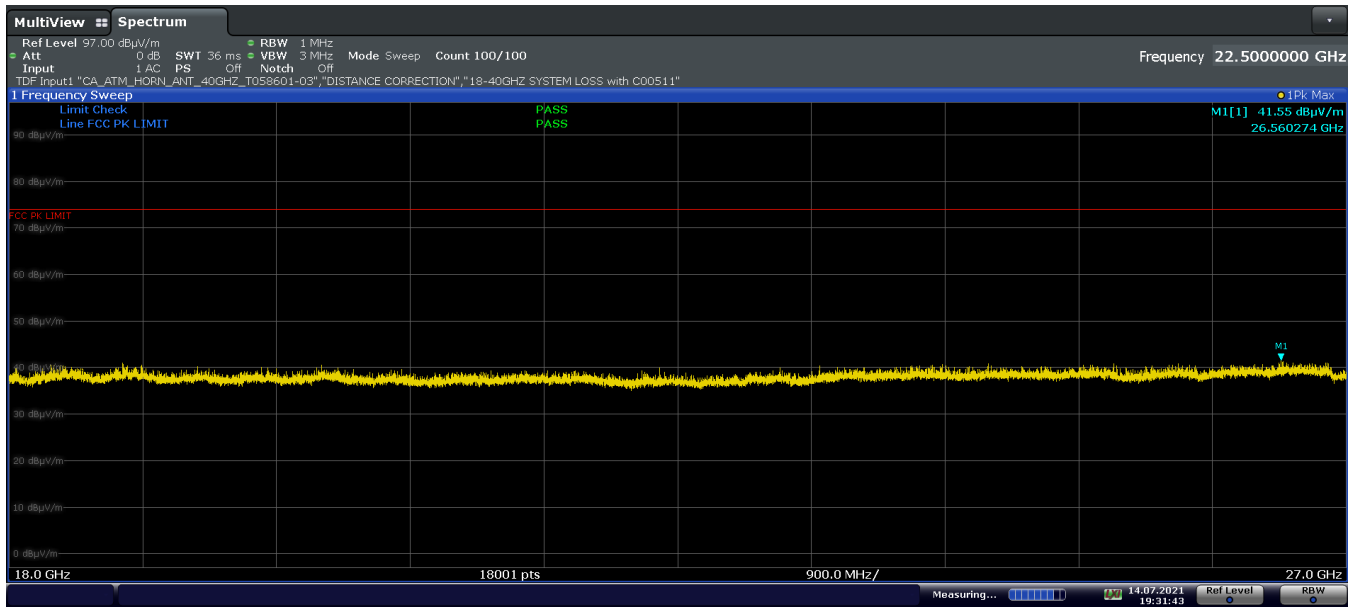


Plot 7-100. Radiated Spurious Emissions above 1GHz CDD (802.11n – Ch. 6)



Plot 7-101. Radiated Spurious Emissions above 18GHz CDD (802.11n – Ch.6, Pol H)

<b>FCC ID:</b> BCGA2603 <b>IC:</b> 579C-A2603		<b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2106080051-06.BCG	<b>Test Dates:</b> 05/28/2021 – 07/23/2021	<b>EUT Type:</b> Tablet Device	Page 88 of 112



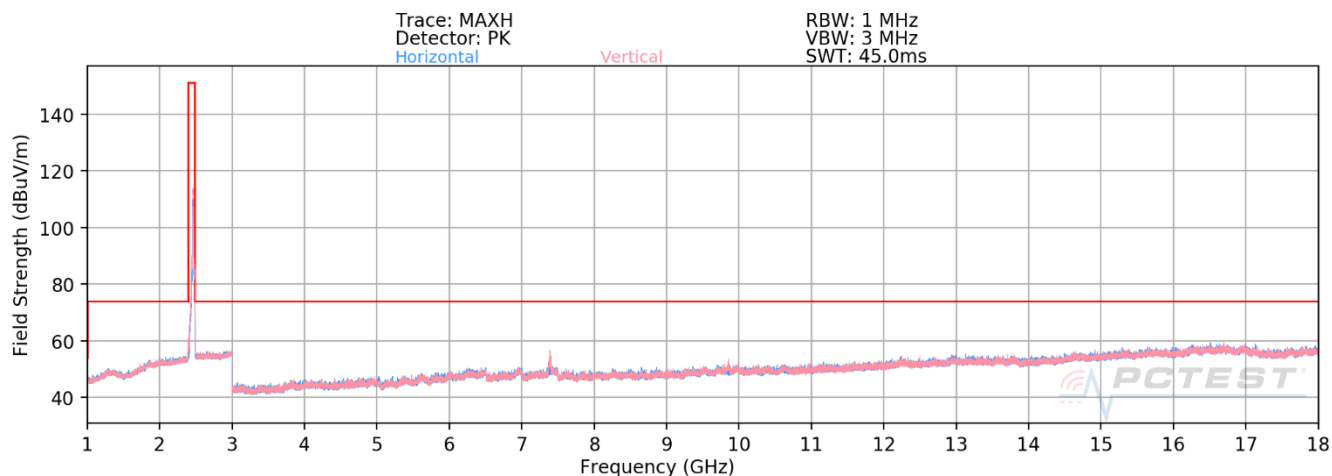
Plot 7-102. Radiated Spurious Emissions above 18GHz CDD (802.11n – Ch.6, Pol V)

Mode: 802.11n  
Data Rate: MCS8  
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 [dBμV/m]	Limit [dBμV/m]	Margin [dB]
4874.00	Avg	V	-	-	-81.12	8.23	34.11	53.98	-19.87
4874.00	Peak	V	-	-	-69.43	8.23	45.80	73.98	-28.18
7311.00	Avg	V	273	69	-74.38	11.25	43.87	53.98	-10.11
7311.00	Peak	V	273	69	-62.02	11.25	56.23	73.98	-17.75
12185.00	Avg	V	-	-	-83.95	17.33	40.38	53.98	-13.60
12185.00	Peak	V	-	-	-72.81	17.33	51.52	73.98	-22.46

Table 7-23. Radiated Measurements CDD

FCC ID: BCGA2603 IC: 579C-A2603	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080051-06.BCG	Test Dates: 05/28/2021 – 07/23/2021	EUT Type: Tablet Device	Page 89 of 112



**Plot 7-103. Radiated Spurious Emissions above 1GHz CDD (802.11n – Ch. 11)**

Mode:	802.11n
Data Rate:	MCS8
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 [dBuV/m]	Limit [dBuV/m]	Margin [dB]
4924.00	Avg	V	-	-	-81.42	9.21	34.79	53.98	-19.19
4924.00	Peak	V	-	-	-70.17	9.21	46.04	73.98	-27.94
7386.00	Avg	V	261	69	-72.69	12.27	46.58	53.98	-7.40
7386.00	Peak	V	261	69	-60.81	12.27	58.46	73.98	-15.52
12310.00	Avg	V	-	-	-84.16	18.03	40.87	53.98	-13.11
12310.00	Peak	V	-	-	-72.78	18.03	52.25	73.98	-21.73

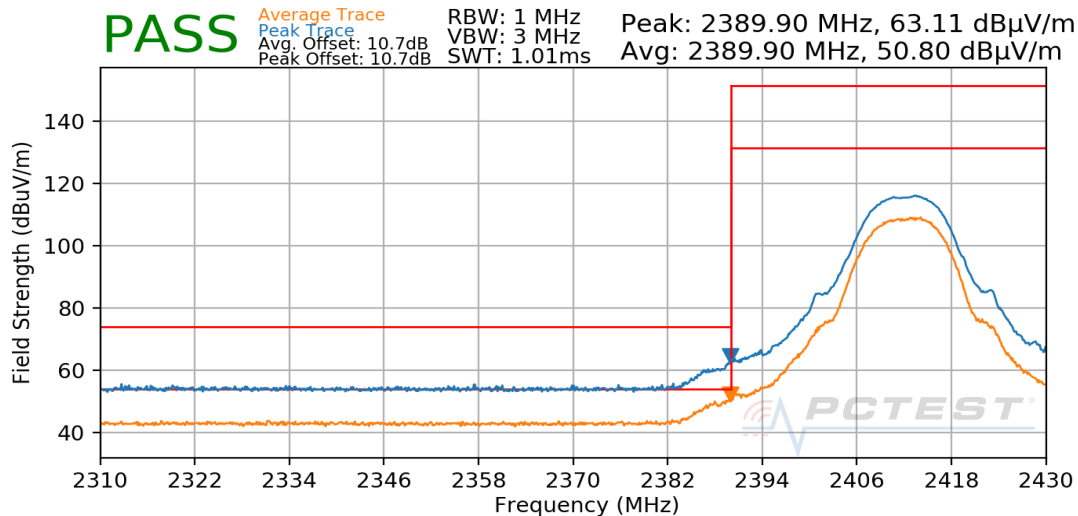
**Table 7-24. Radiated Measurements CDD**

FCC ID: BCGA2603 IC: 579C-A2603	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080051-06.BCG	Test Dates: 05/28/2021 – 07/23/2021	EUT Type: Tablet Device	Page 90 of 112

## 7.7.4 Antenna A Radiated Restricted Band Edge Measurements

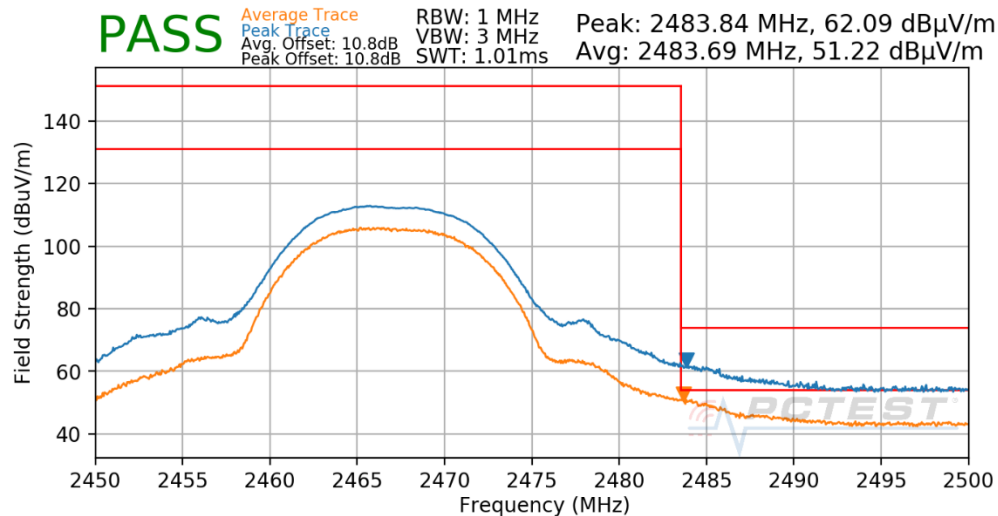
§15.205 §15.209; RSS-Gen [8.9]

Mode: 802.11b  
Data Rate: 11Mbps  
Distance of Measurements: 3 Meters  
Operating Frequency: 2412MHz  
Channel: 1



Plot 7-104. Radiated Restricted Lower Band Edge Measurement Antenna A

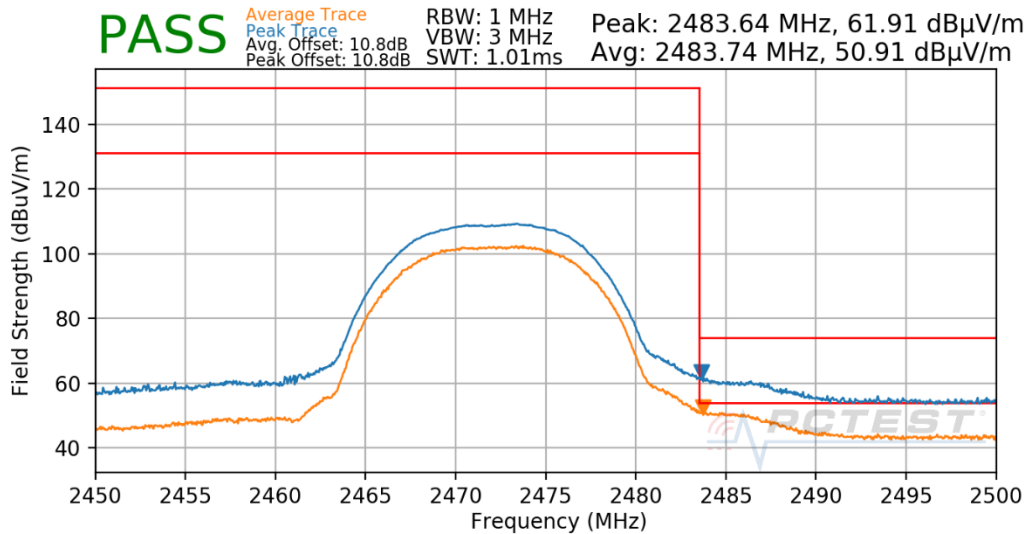
Mode: 802.11b  
Data Rate: 11Mbps  
Distance of Measurements: 3 Meters  
Operating Frequency: 2467MHz  
Channel: 12



Plot 7-105. Radiated Restricted Upper Band Edge Measurement Antenna A

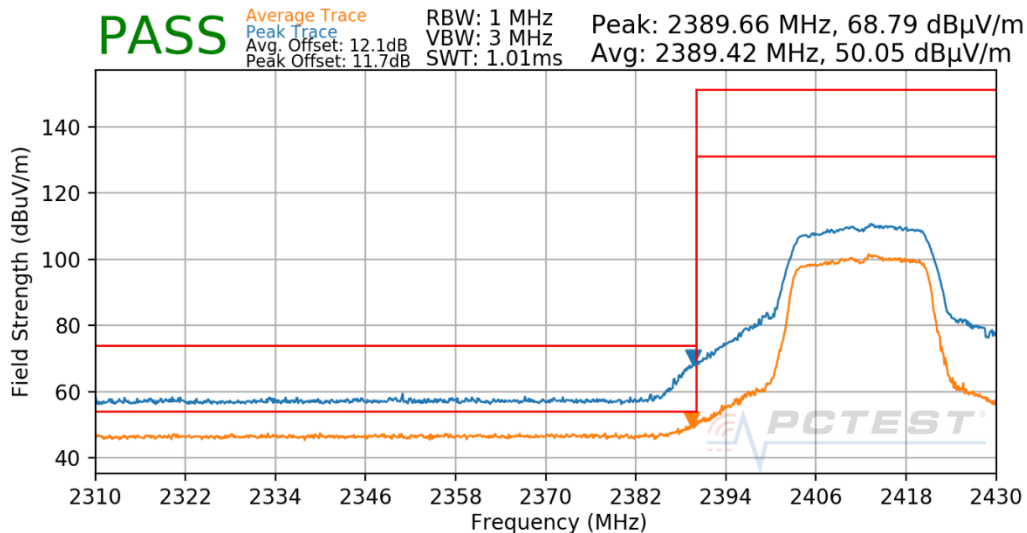
FCC ID: BCGA2603 IC: 579C-A2603	<b>PCTEST</b> Proud to be part of element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C2106080051-06.BCG	Test Dates: 05/28/2021 – 07/23/2021	EUT Type: Tablet Device	Page 91 of 112

Mode: 802.11b  
Data Rate: 11Mbps  
Distance of Measurements: 3 Meters  
Operating Frequency: 2472MHz  
Channel: 13



**Plot 7-106. Radiated Restricted Upper Band Edge Measurement Antenna A**

Mode: 802.11n  
Data Rate: MCS7  
Distance of Measurements: 3 Meters  
Operating Frequency: 2412MHz  
Channel: 1

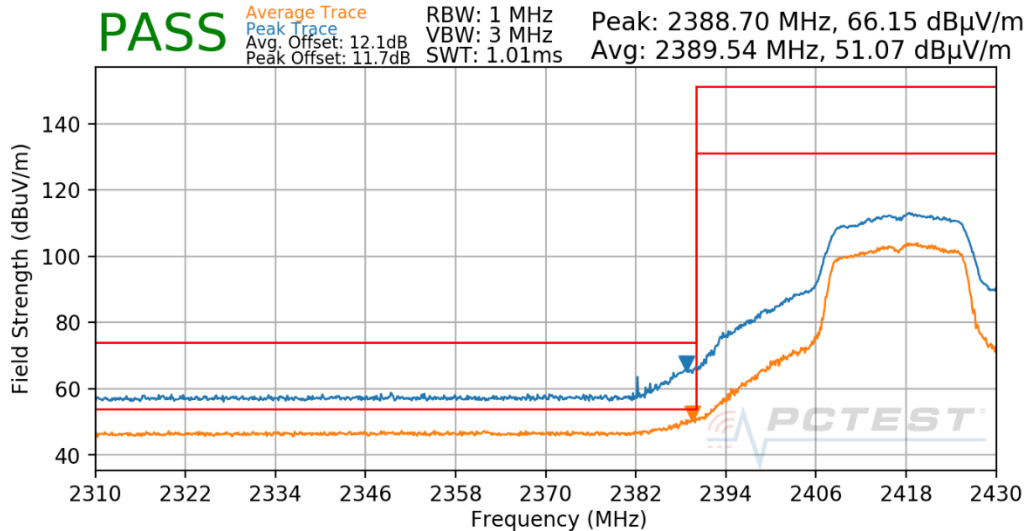


**Plot 7-107. Radiated Restricted Lower Band Edge Measurement Antenna A**

FCC ID: BCGA2603 IC: 579C-A2603	<b>PCTEST</b> Proud to be part of element	<b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2106080051-06.BCG	<b>Test Dates:</b> 05/28/2021 – 07/23/2021	<b>EUT Type:</b> Tablet Device	Page 92 of 112

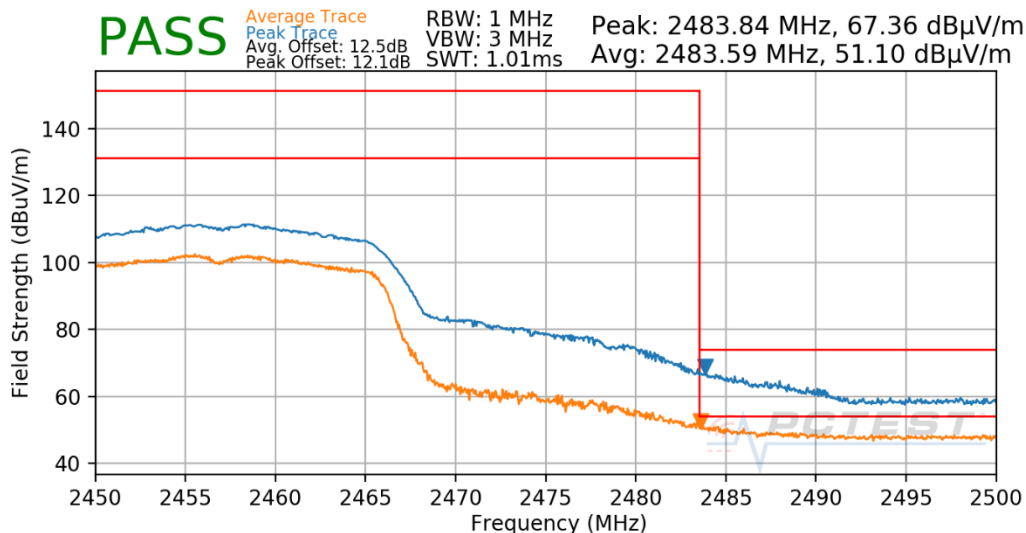


Mode: 802.11n  
Data Rate: MCS7  
Distance of Measurements: 3 Meters  
Operating Frequency: 2417MHz  
Channel: 2



**Plot 7-108. Radiated Restricted Lower Band Edge Measurement Antenna A**

Mode: 802.11n  
Data Rate: MCS7  
Distance of Measurements: 3 Meters  
Operating Frequency: 2457MHz  
Channel: 10



**Plot 7-109. Radiated Restricted Upper Band Edge Measurement Antenna A**

FCC ID: BCGA2603 IC: 579C-A2603	<b>PCTEST</b> Proud to be part of element	<b>MEASUREMENT REPORT (CERTIFICATION)</b>	<b>Approved by:</b> Quality Manager
<b>Test Report S/N:</b> 1C2106080051-06.BCG	<b>Test Dates:</b> 05/28/2021 – 07/23/2021	<b>EUT Type:</b> Tablet Device	Page 93 of 112