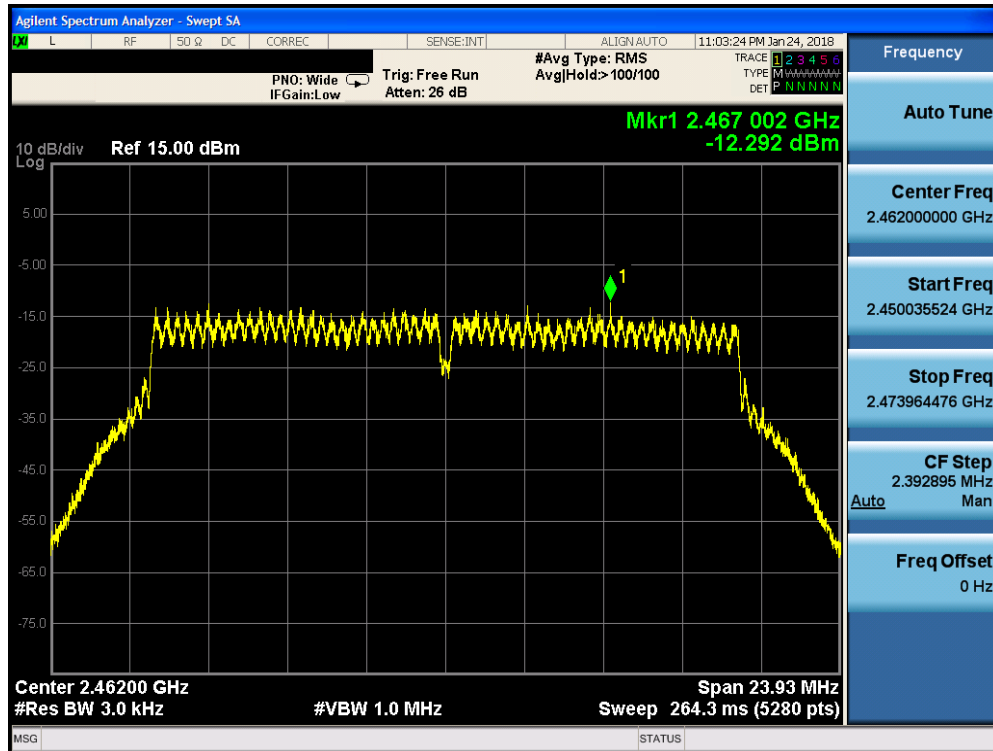
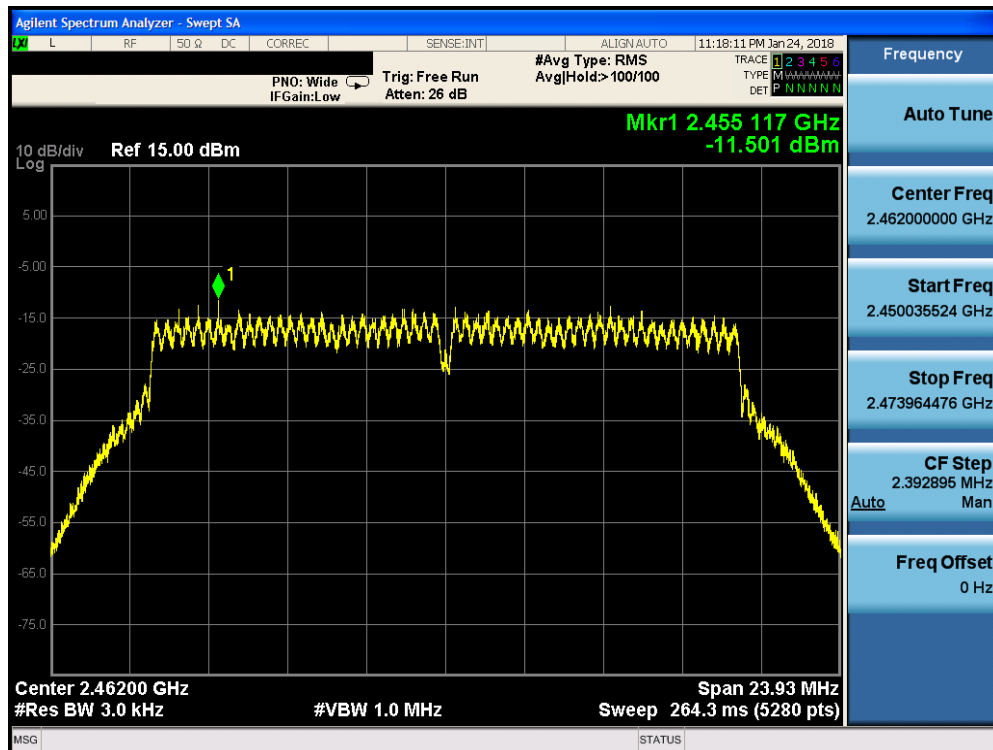


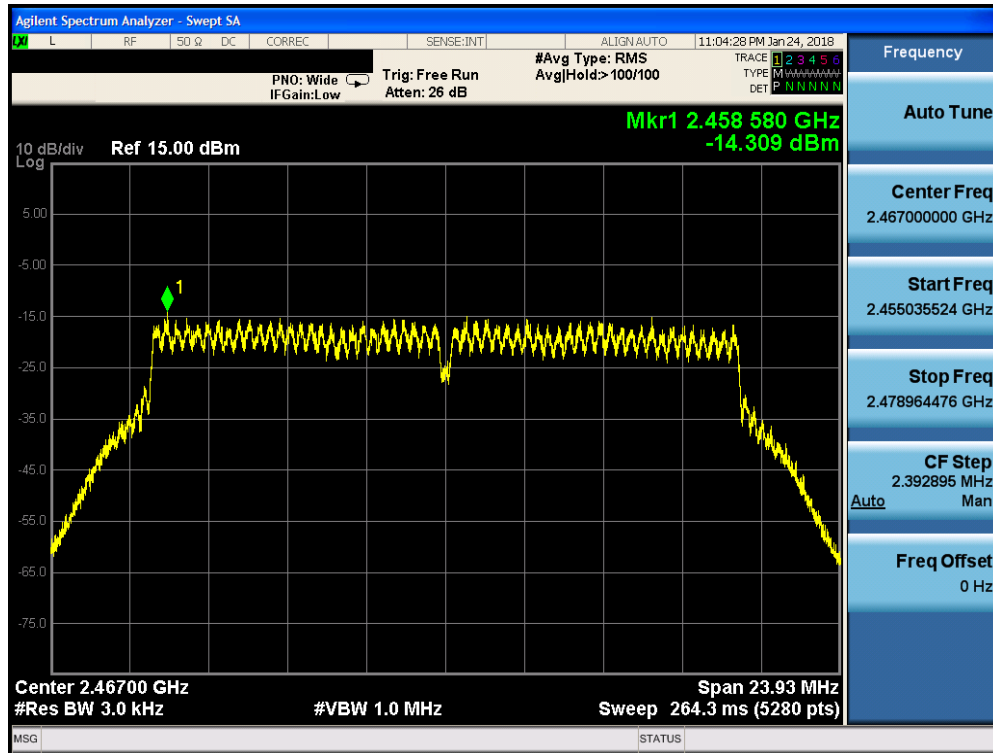


Plot 7-79. Power Spectral Density Plot MIMO ANT1 (802.11n (2.4GHz) – Ch. 11)

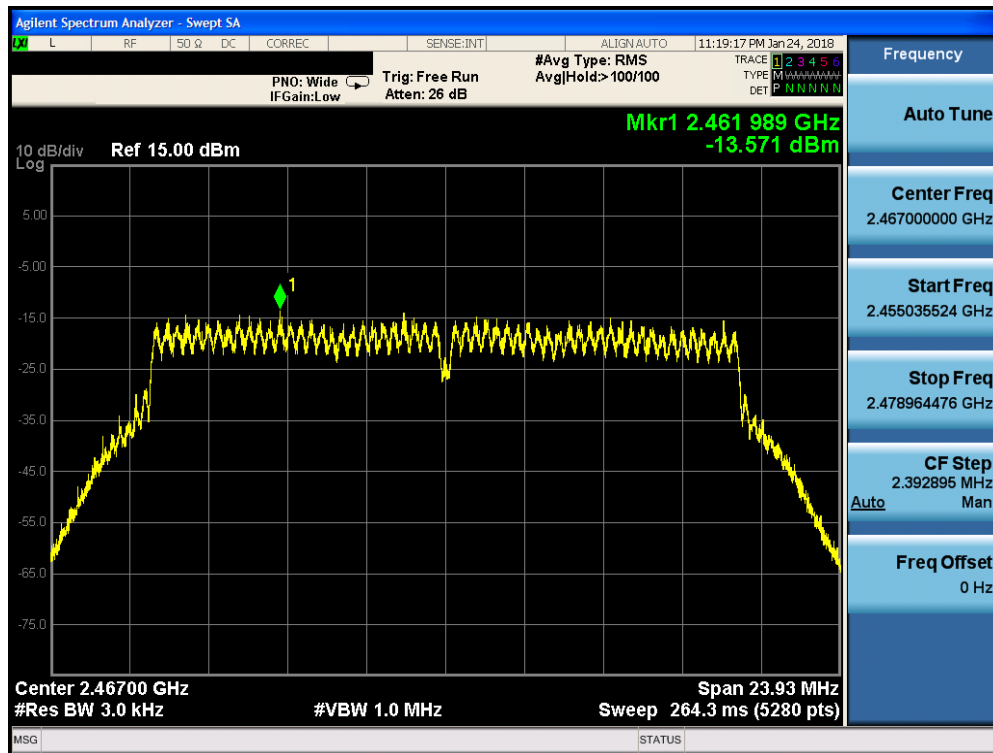


Plot 7-80. Power Spectral Density Plot MIMO ANT2 (802.11n (2.4GHz) – Ch. 11)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018               | EUT Type:<br>Tablet Device | Page 65 of 157                  |

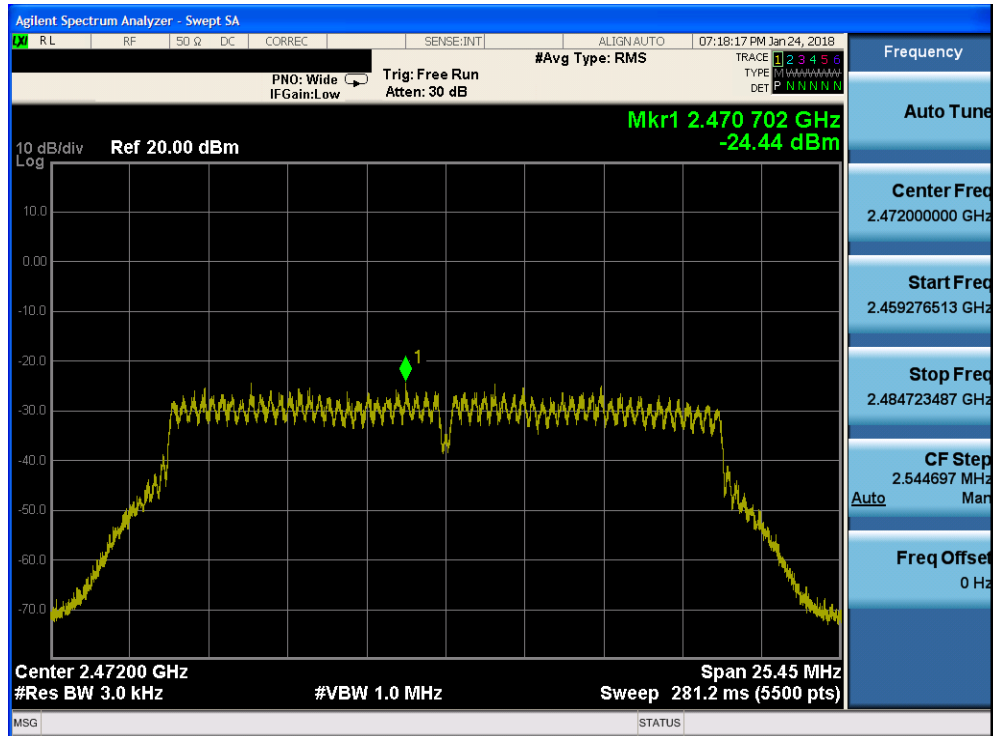


Plot 7-81. Power Spectral Density Plot MIMO ANT1 (802.11n (2.4GHz) – Ch. 12)

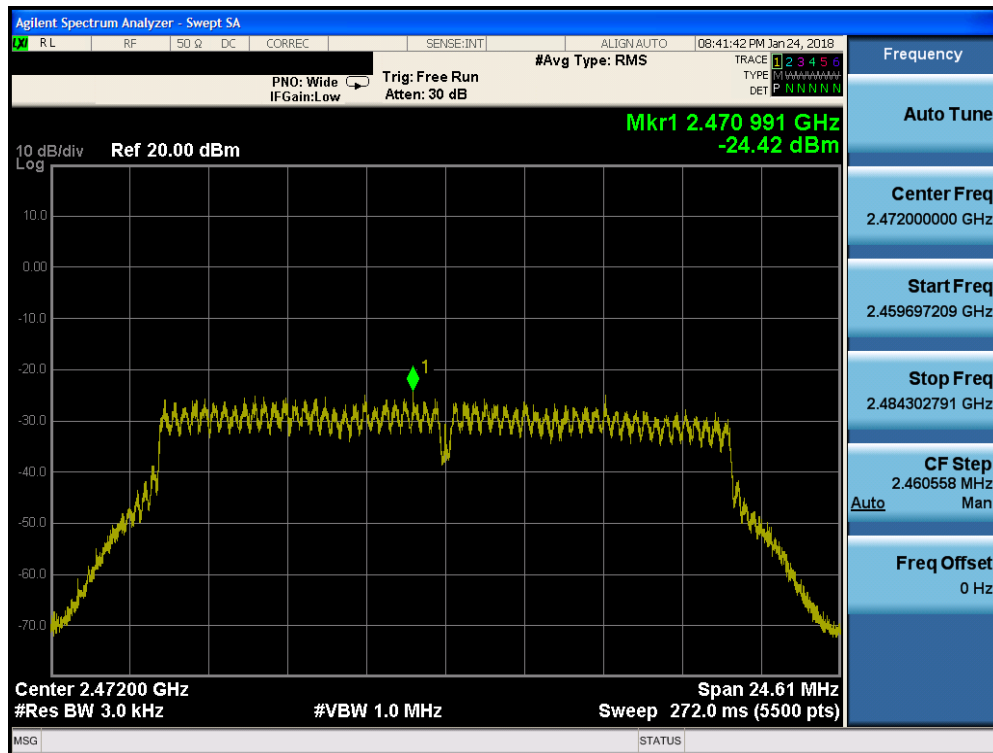


Plot 7-82. Power Spectral Density Plot MIMO ANT2 (802.11n (2.4GHz) – Ch. 12)

|                                         |                                                                                                                                  |                            |                                 |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018                                                                                                   | EUT Type:<br>Tablet Device | Page 66 of 157                  |



Plot 7-83. Power Spectral Density Plot MIMO ANT1 (802.11n (2.4GHz) – Ch. 13)



Plot 7-84. Power Spectral Density Plot MIMO ANT2 (802.11n (2.4GHz) – Ch. 13)

|                                         |                                               |                            |                                 |
|-----------------------------------------|-----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018                | EUT Type:<br>Tablet Device | Page 67 of 157                  |

## 7.5 Conducted Emissions at the Band Edge

§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 at the band edge, the EUT was set at a data rate of 1Mbps for “b” mode, 6 Mbps for “g” mode, and 6.5/7.2Mbps for “n” mode as these settings produced the worst-case emissions.

**The limit for out-of-band spurious emissions at the band edge is 30dB below the fundamental emission level, as determined from the in-band power measurement of the DTS channel performed in a 100kHz bandwidth per the PSD procedure (Section 7.4).**

### Test Procedure Used

ANSI C63.10-2013 – Section 11.11.3

KDB 558074 D01 v04 – Section 11.3

### Test Settings

1. Start and stop frequency were set such that the band edge would be placed in the center of the plot
2. Span was set large enough so as to capture all out of band emissions near the band edge
3. RBW = 100kHz
4. VBW = 1MHz
5. Detector = Peak
6. Number of sweep points  $\geq 2 \times \text{Span/RBW}$
7. Trace mode = max hold
8. Sweep time = auto couple
9. The trace was allowed to stabilize

### Test Setup

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



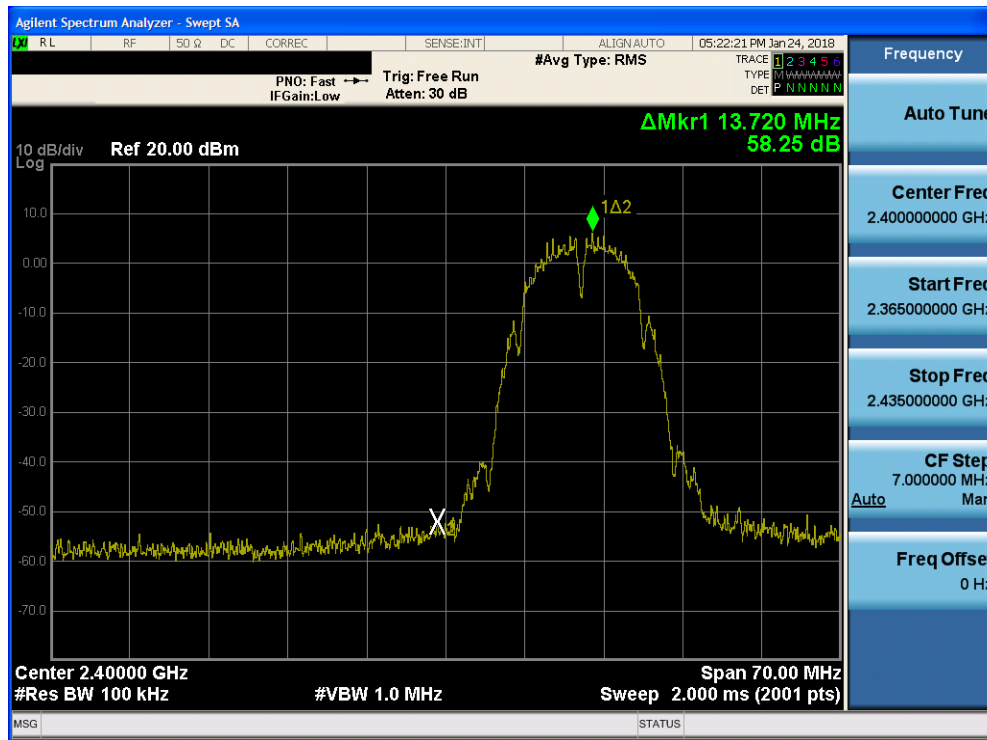
**Figure 7-4. Test Instrument & Measurement Setup**

### Test Notes

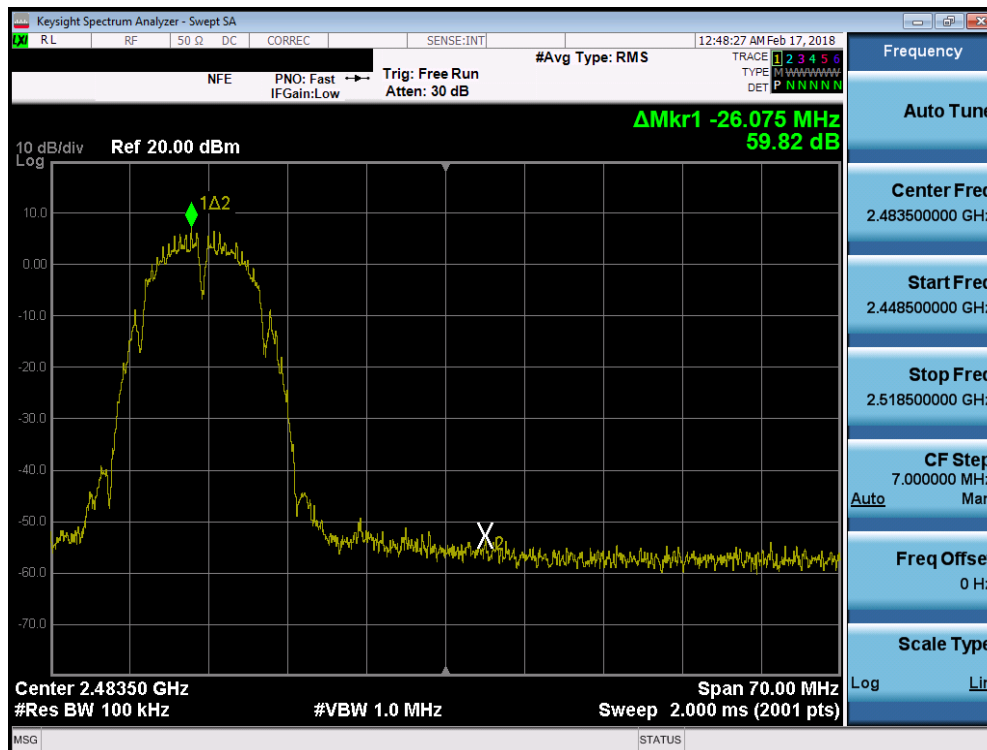
None

|                                         |                                                                                                                                   |                            |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018                                                                                                    | EUT Type:<br>Tablet Device | Page 68 of 157                  |

## SISO Antenna-1 Conducted Emissions at the Band Edge

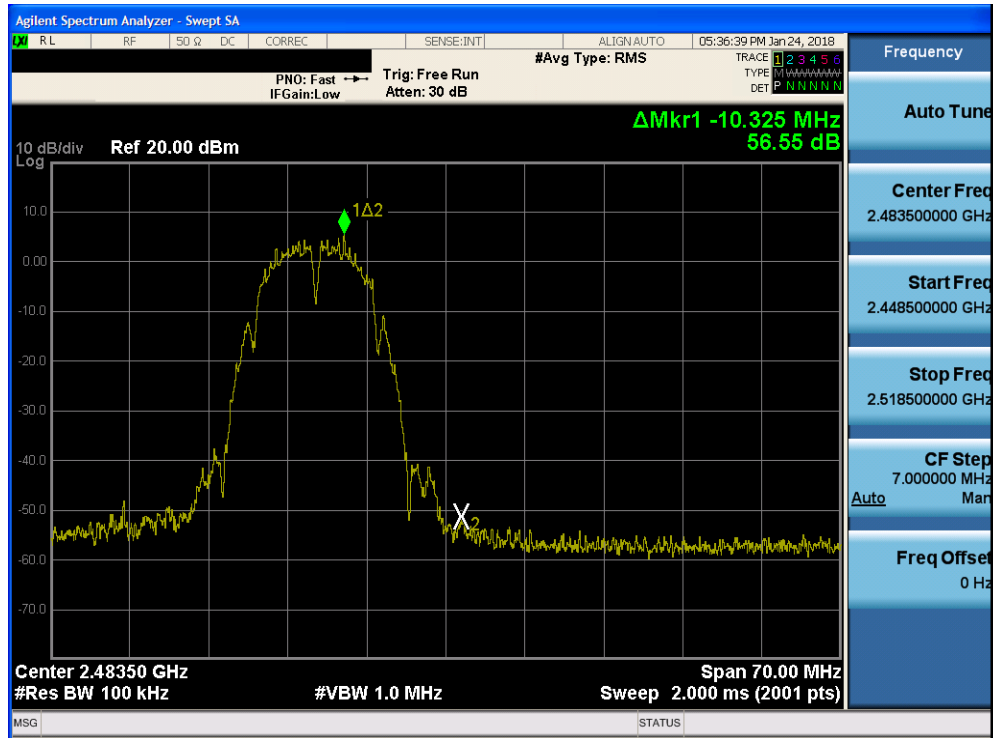


Plot 7-85. Band Edge Plot SISO ANT1 (802.11b – Ch. 1)

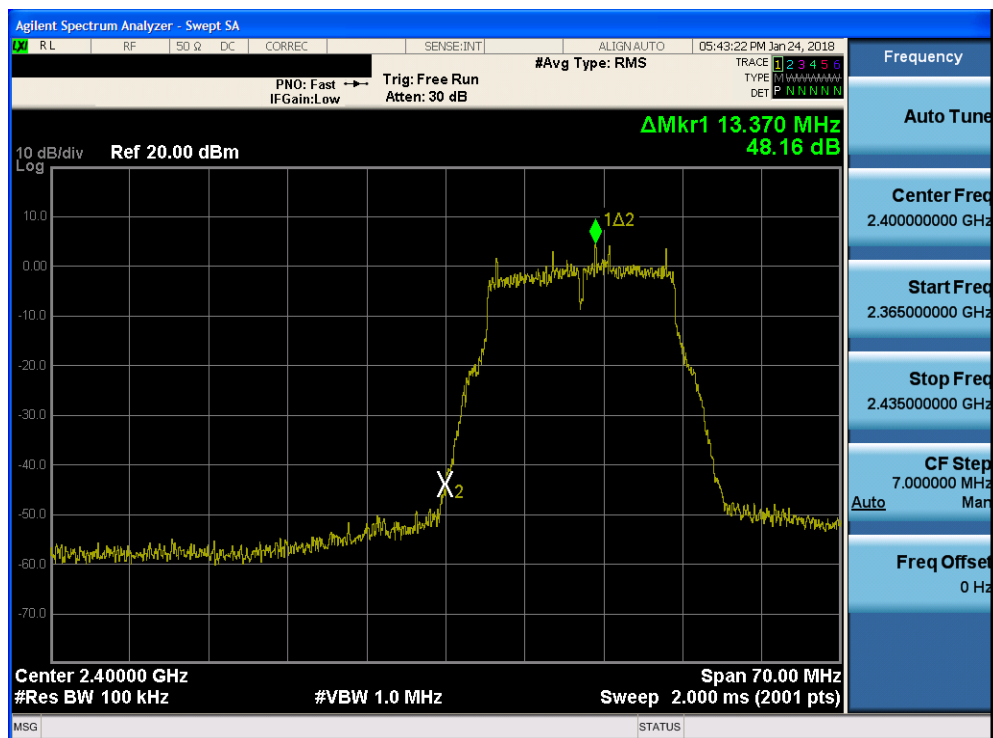


Plot 7-86. Band Edge Plot SISO ANT1 (802.11b – Ch. 11)

|                                         |                                                                                                                                   |                            |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018                                                                                                    | EUT Type:<br>Tablet Device | Page 69 of 157                  |

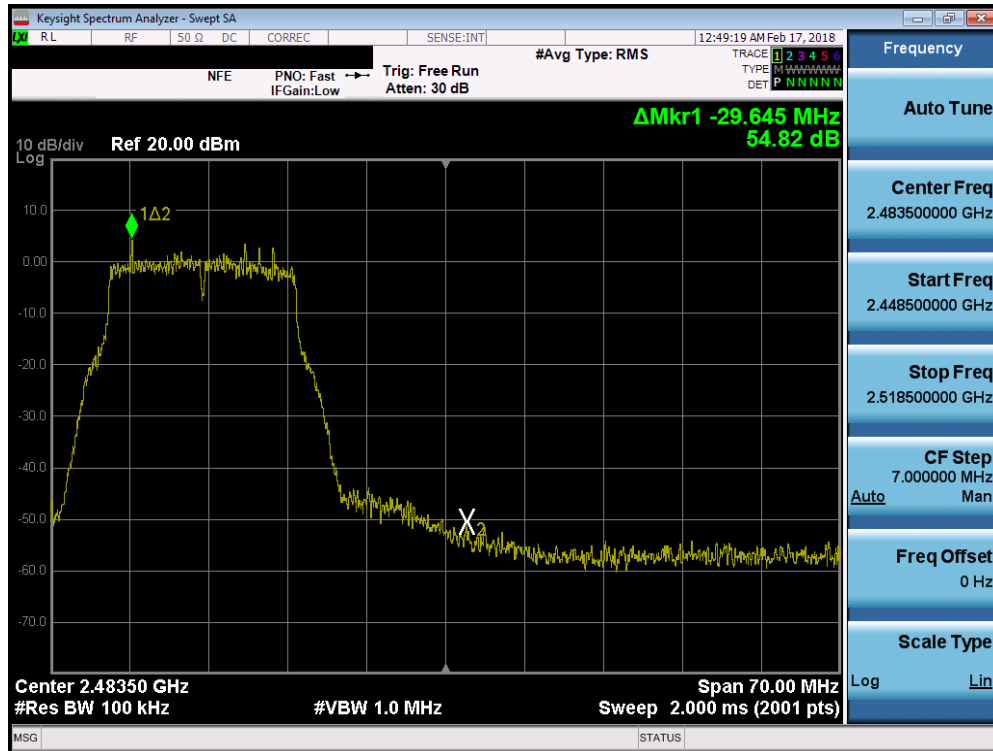


Plot 7-87. Band Edge Plot SISO ANT1 (802.11b – Ch. 13)

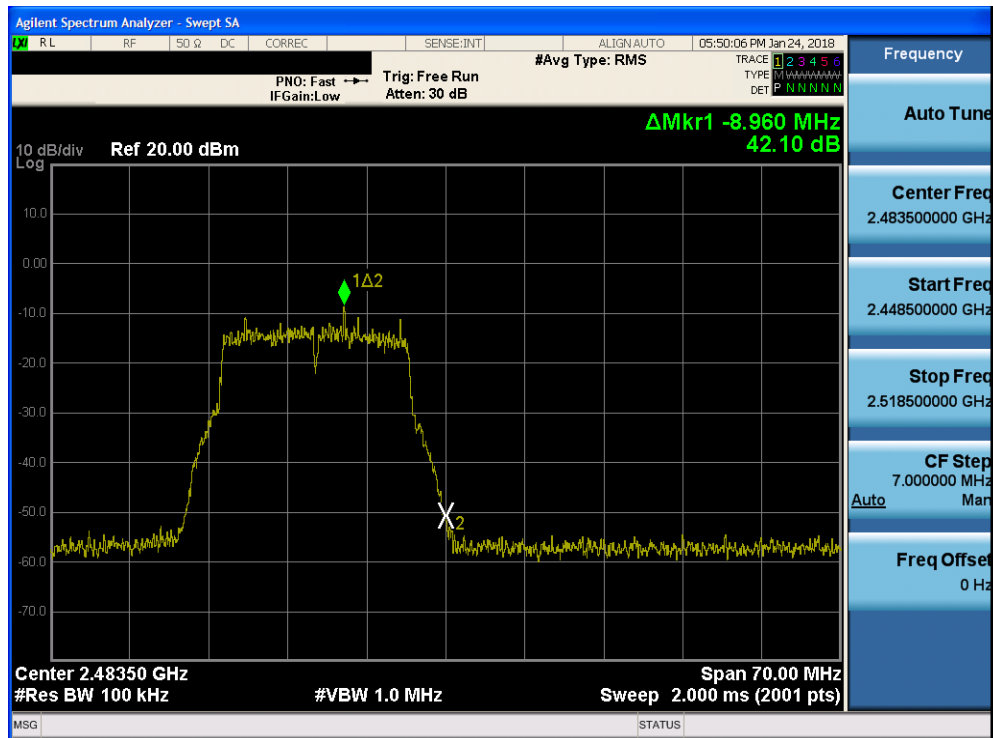


Plot 7-88. Band Edge Plot SISO ANT1 (802.11g– Ch. 1)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018               | EUT Type:<br>Tablet Device | Page 70 of 157                  |

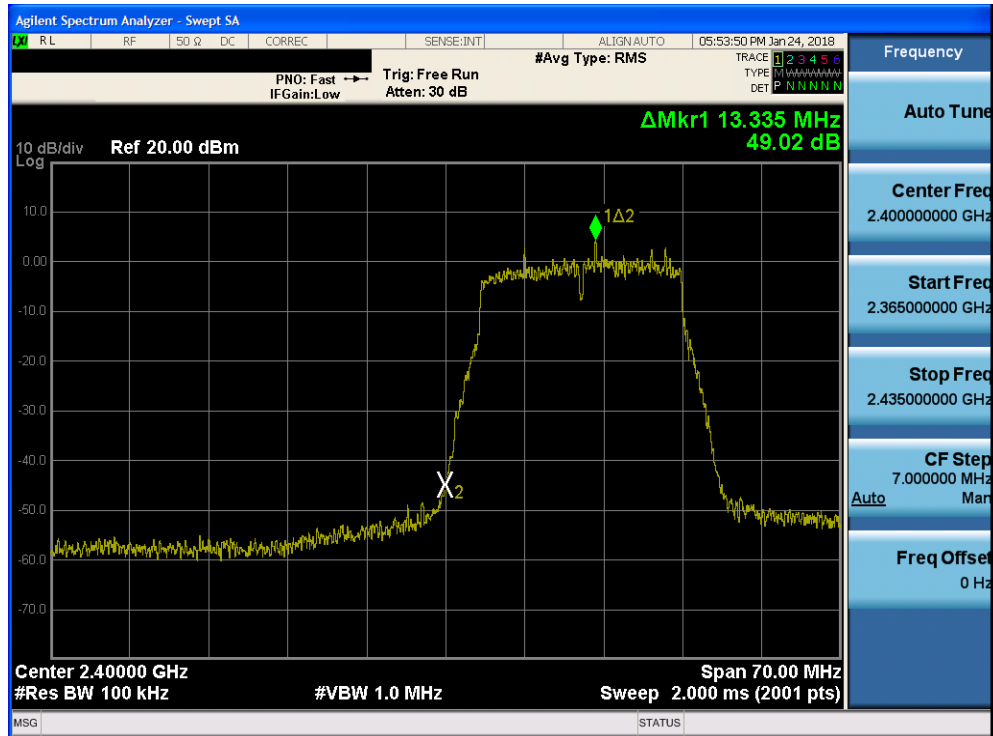


Plot 7-89. Band Edge Plot SISO ANT1 (802.11g - Ch. 11)

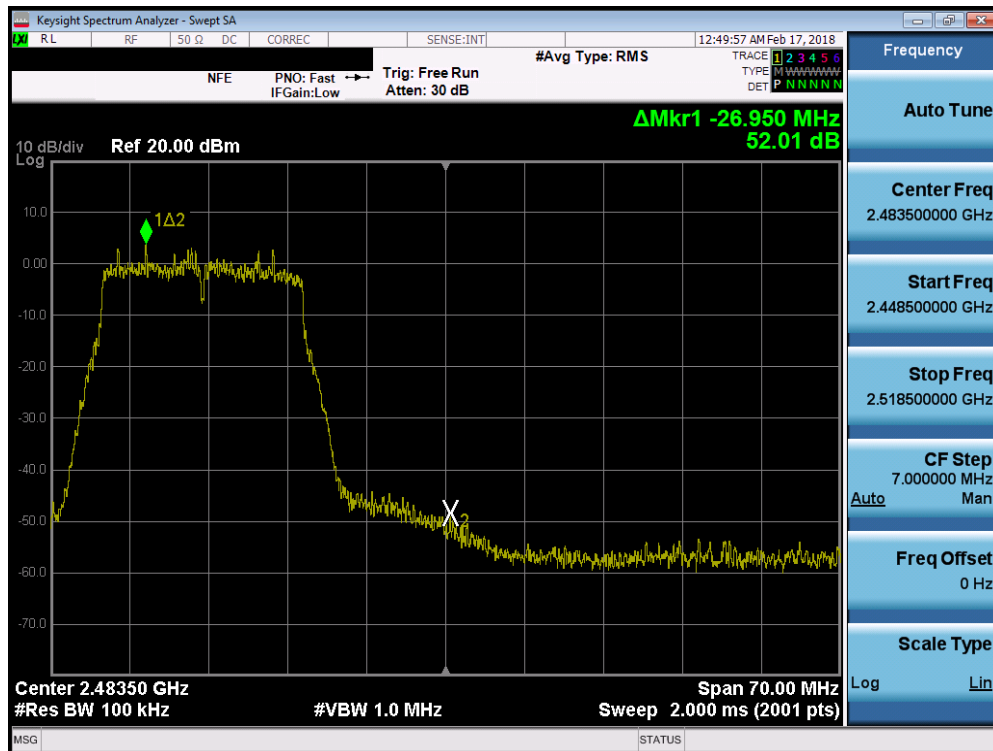


Plot 7-90. Band Edge Plot SISO ANT1 (802.11g - Ch. 13)

|                                         |                                                                                                                                  |                            |                                 |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018                                                                                                   | EUT Type:<br>Tablet Device | Page 71 of 157                  |

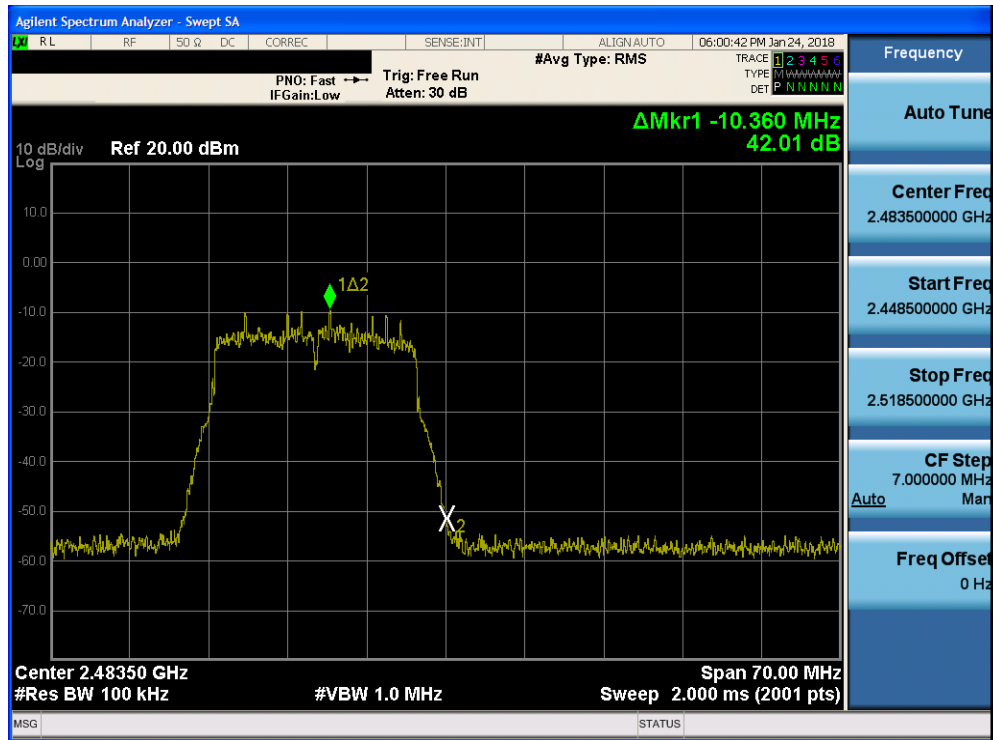


Plot 7-91. Band Edge Plot SISO ANT1 (802.11n (2.4GHz) – Ch. 1)



Plot 7-92. Band Edge Plot SISO ANT1 (802.11n (2.4GHz) – Ch. 11)

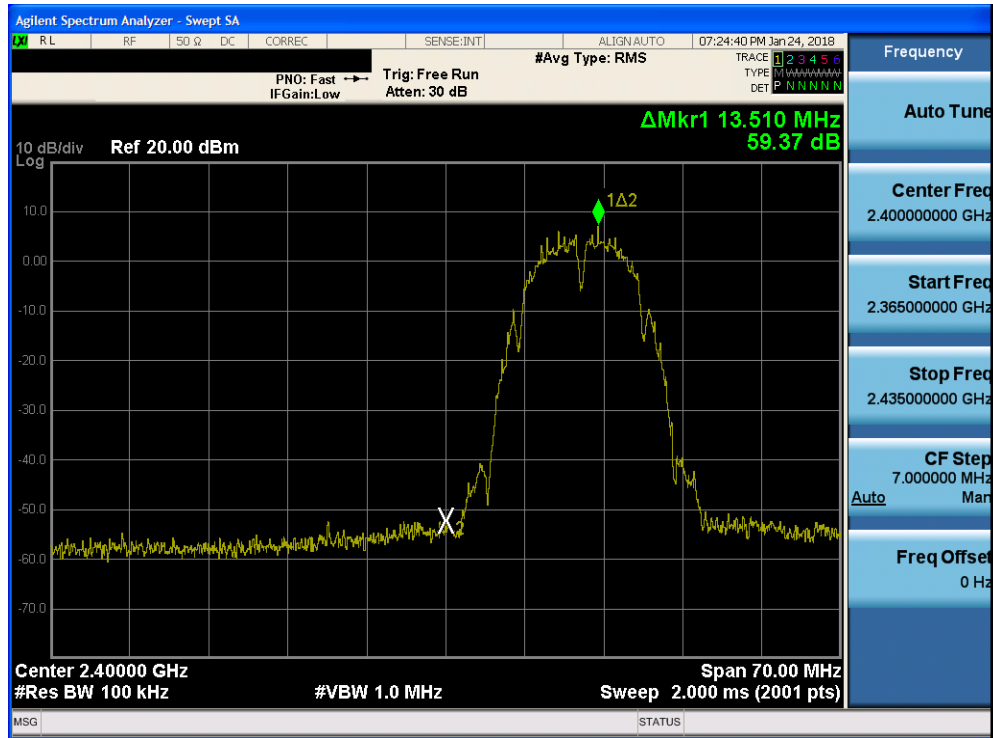
|                                         |                                                                                                                                   |                            |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018                                                                                                    | EUT Type:<br>Tablet Device | Page 72 of 157                  |



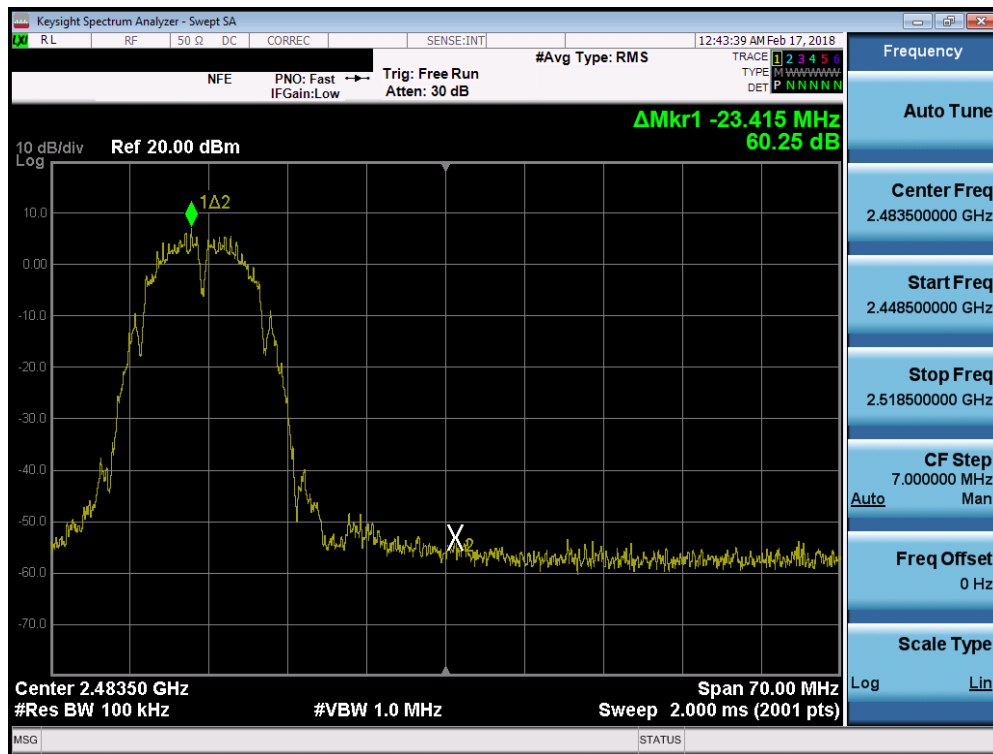
Plot 7-93. Band Edge Plot SISO ANT1 (802.11n (2.4GHz) – Ch. 13)

|                                         |                                                                                                                                   |                            |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018                                                                                                    | EUT Type:<br>Tablet Device | Page 73 of 157                  |

## SISO Antenna-2 Conducted Emissions at the Band Edge

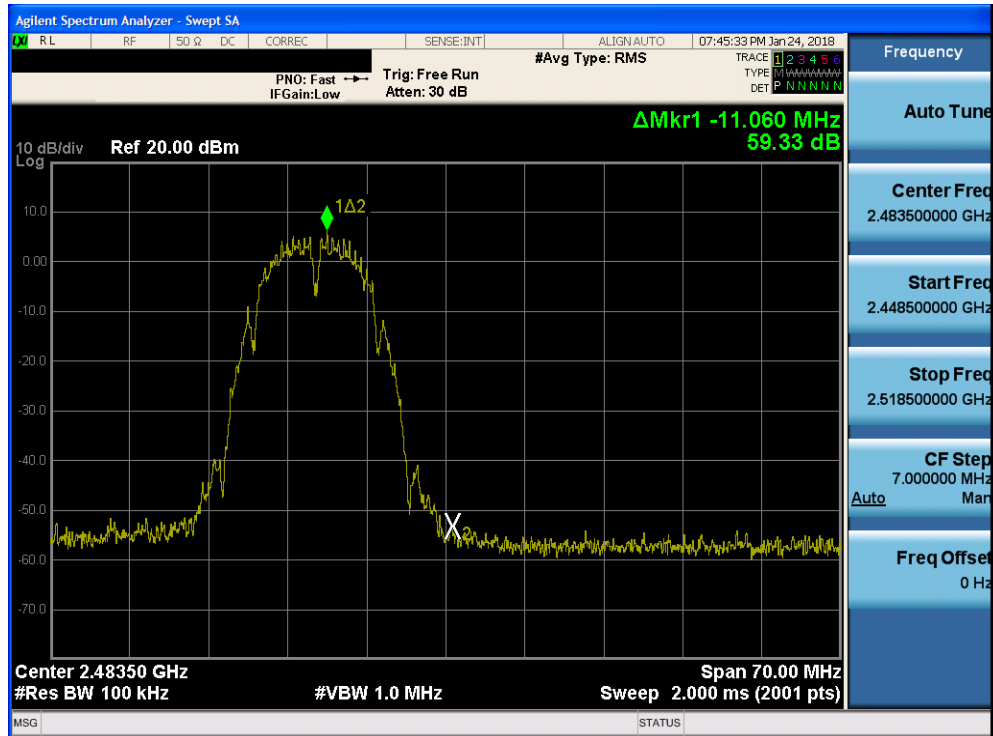


Plot 7-94. Band Edge Plot SISO ANT2 (802.11b – Ch. 1)

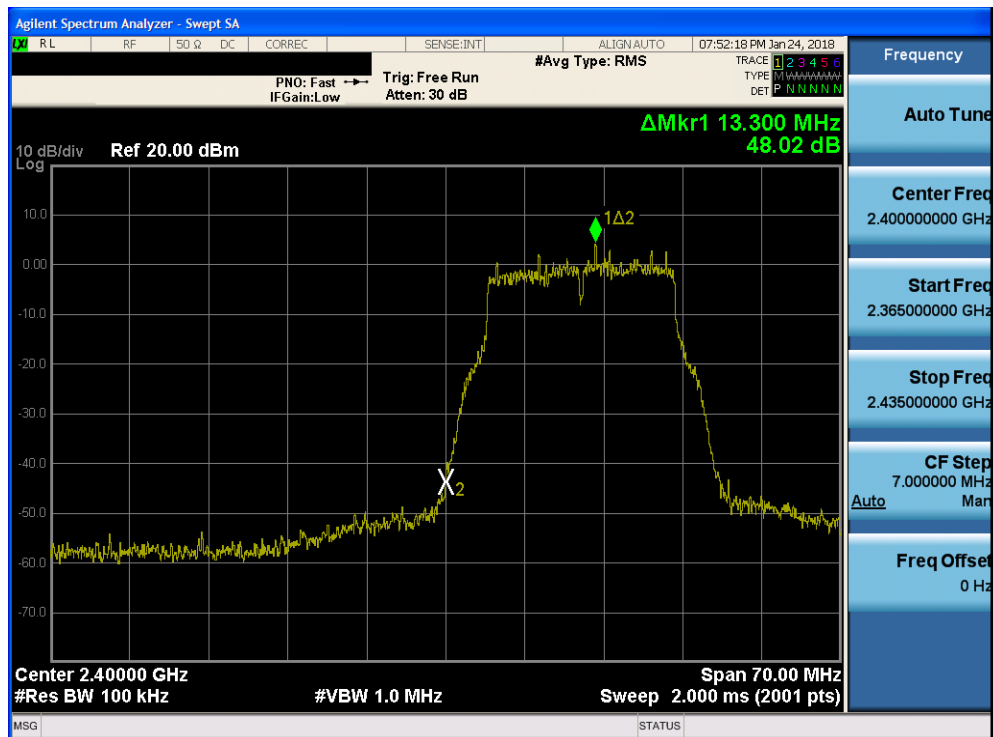


Plot 7-95. Band Edge Plot SISO ANT2 (802.11b – Ch. 11)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018               | EUT Type:<br>Tablet Device | Page 74 of 157                  |

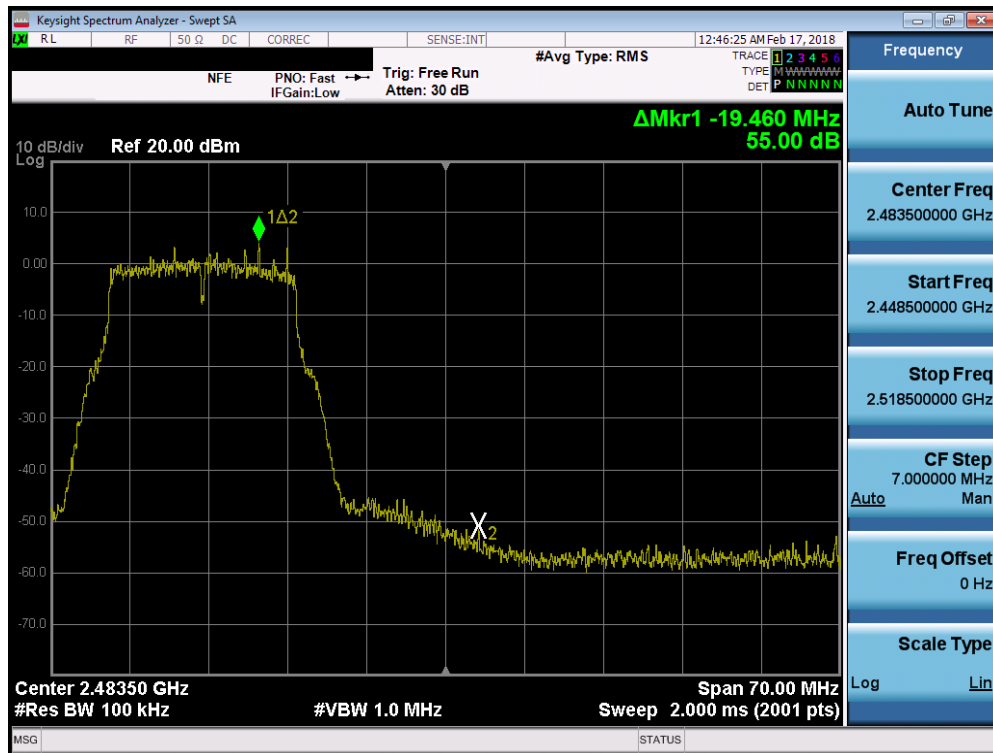


Plot 7-96. Band Edge Plot SISO ANT2 (802.11b – Ch. 13)

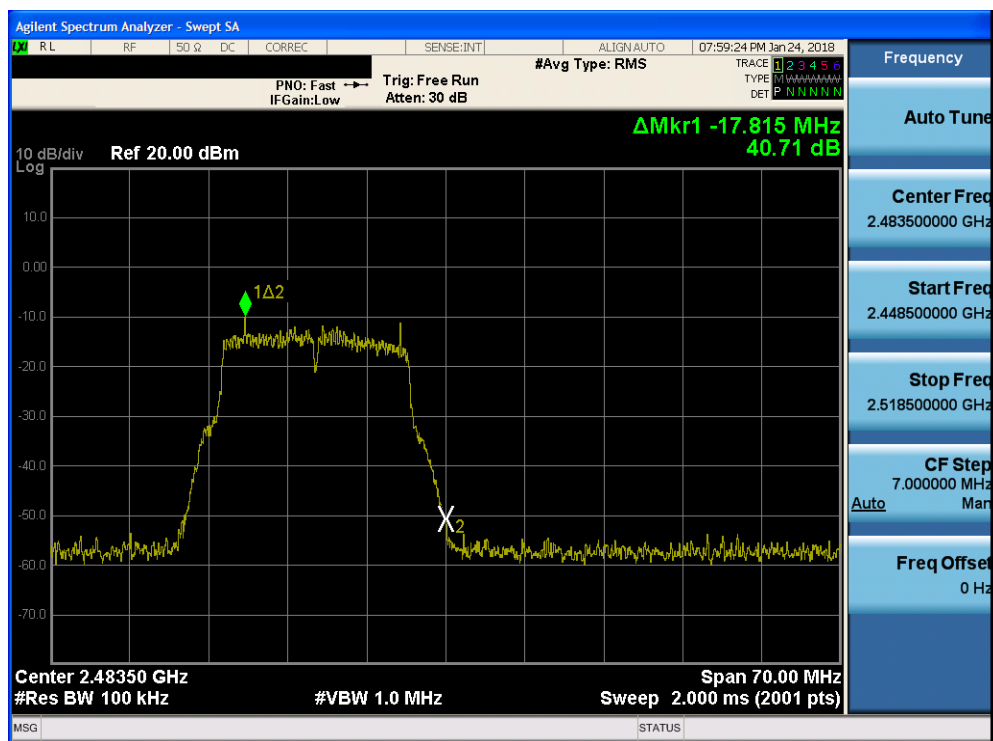


Plot 7-97. Band Edge Plot SISO ANT2 (802.11g– Ch. 1)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018               | EUT Type:<br>Tablet Device | Page 75 of 157                  |

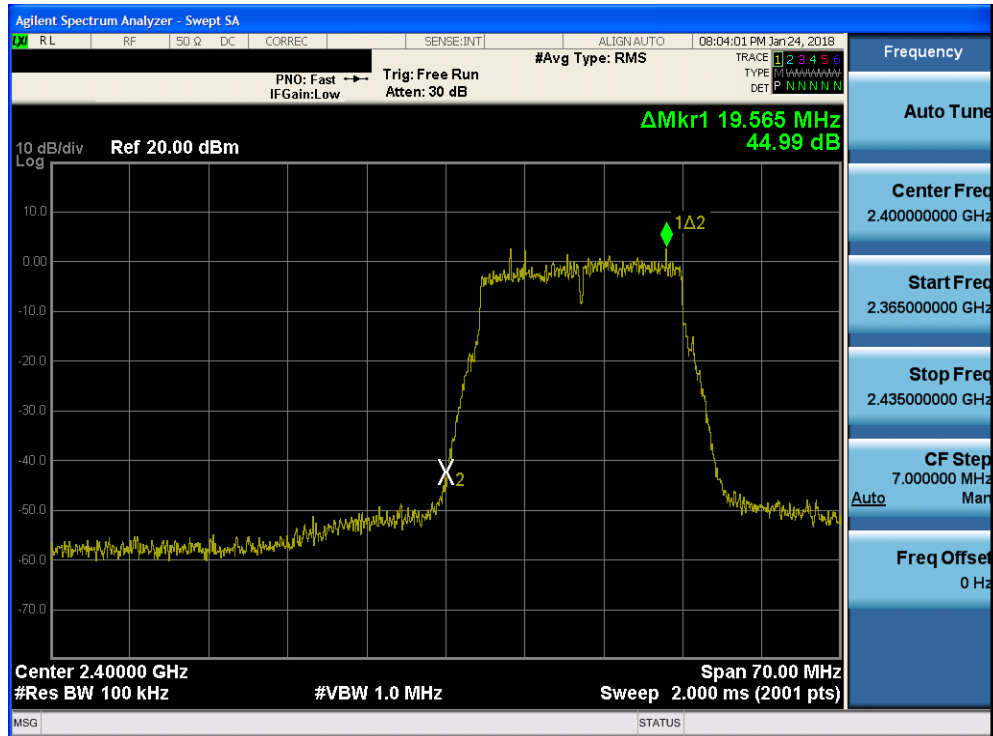


Plot 7-98. Band Edge Plot SISO ANT2 (802.11g - Ch. 11)

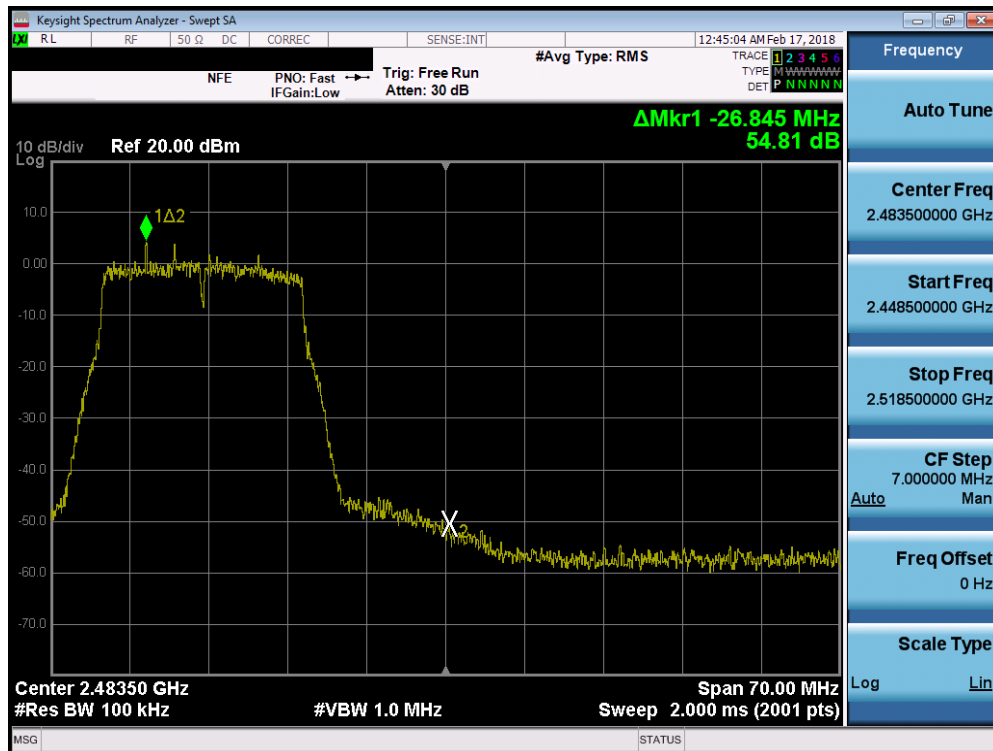


Plot 7-99. Band Edge Plot SISO ANT2 (802.11g - Ch. 13)

|                                         |                                                                                                                                  |                            |                                 |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018                                                                                                   | EUT Type:<br>Tablet Device | Page 76 of 157                  |

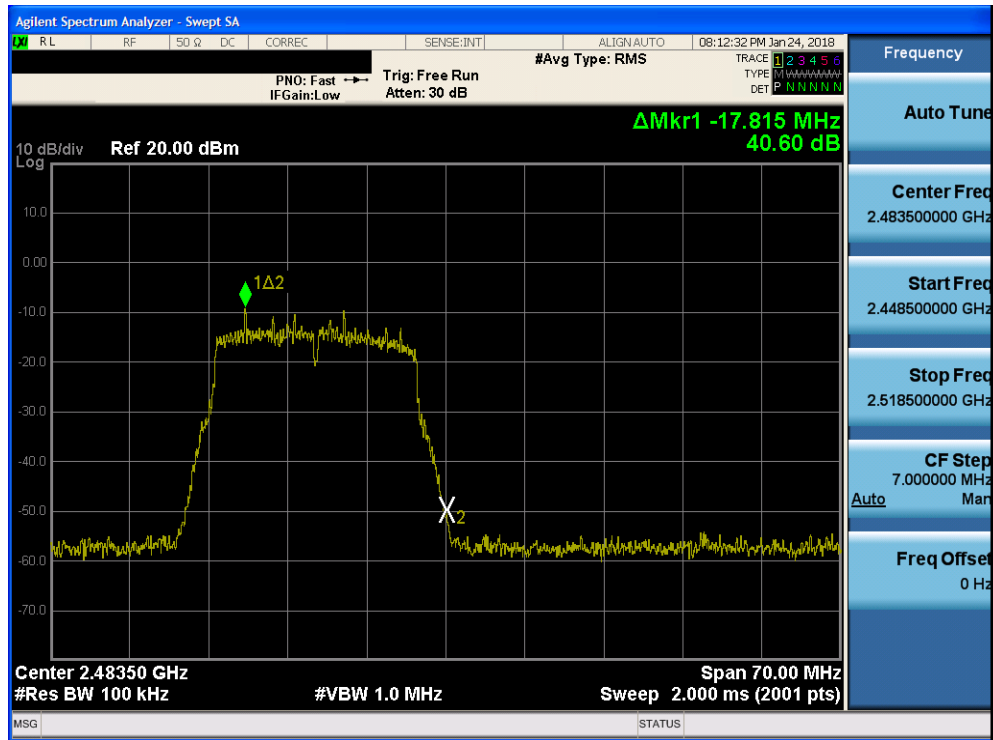


Plot 7-100. Band Edge Plot SISO ANT2 (802.11n (2.4GHz) – Ch. 1)



Plot 7-101. Band Edge Plot SISO ANT2 (802.11n (2.4GHz) – Ch. 11)

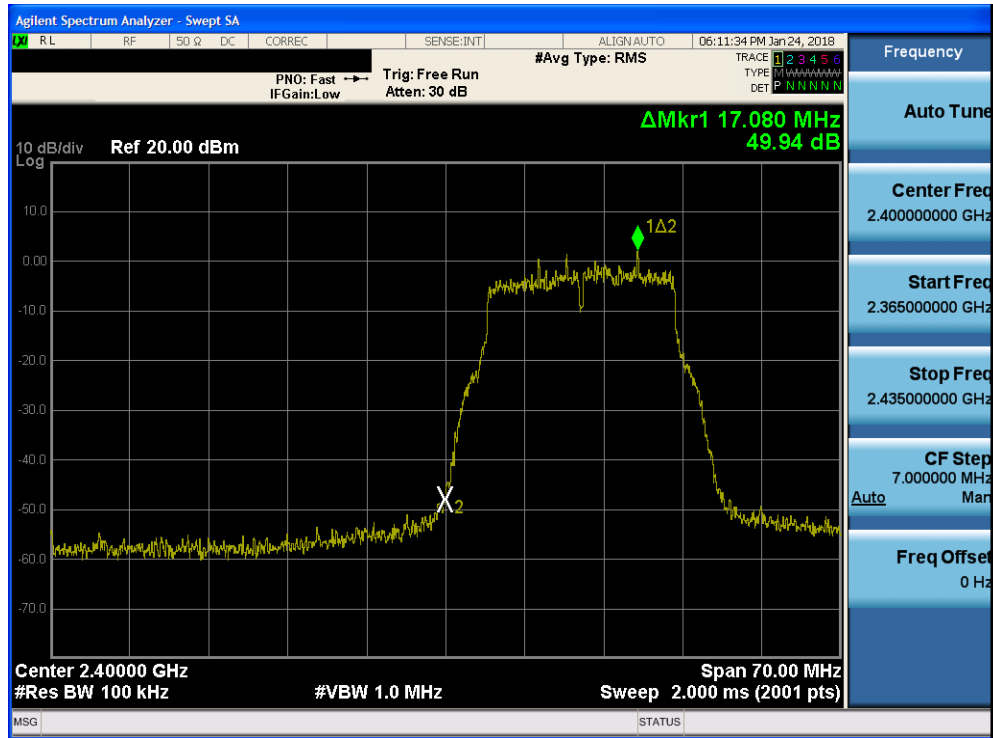
|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018               | EUT Type:<br>Tablet Device | Page 77 of 157                  |



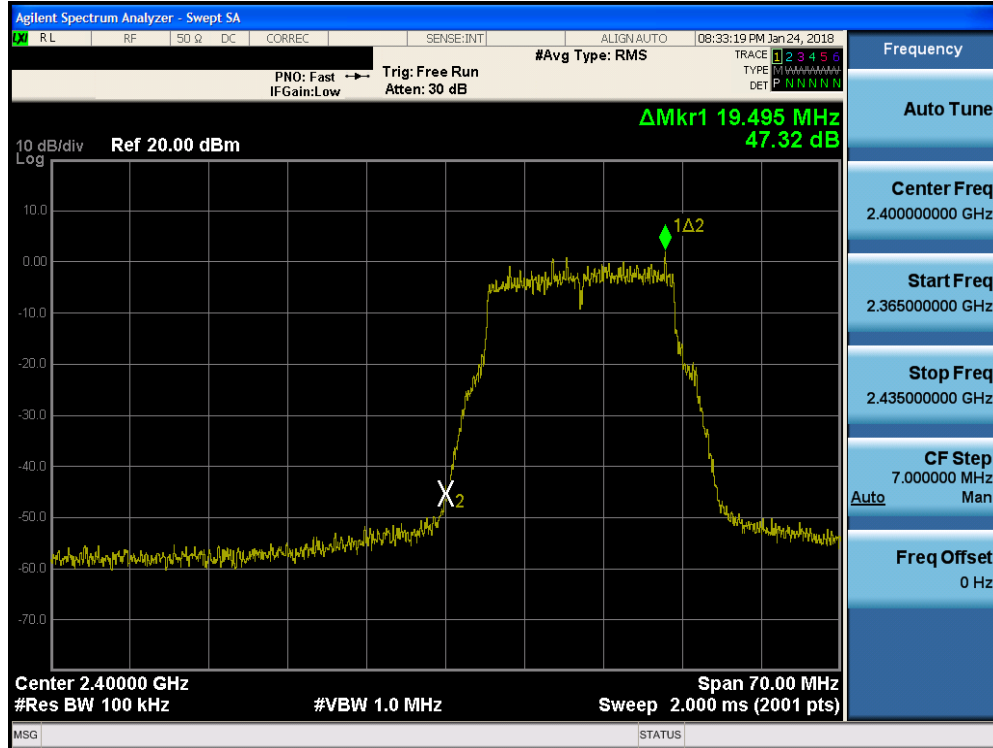
Plot 7-102. Band Edge Plot SISO ANT2 (802.11n (2.4GHz) – Ch. 13)

|                                         |                                               |                            |                                 |
|-----------------------------------------|-----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018                | EUT Type:<br>Tablet Device | Page 78 of 157                  |

## MIMO Conducted Emissions at the Band Edge

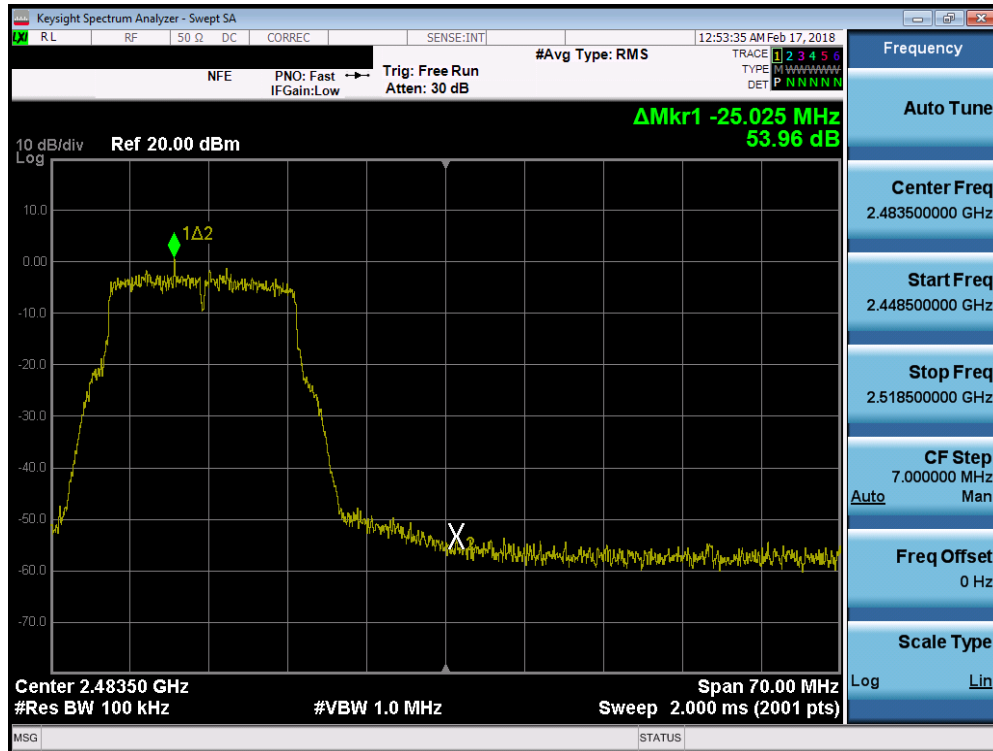


Plot 7-103. Band Edge Plot MIMO ANT1 (802.11g- Ch. 1)

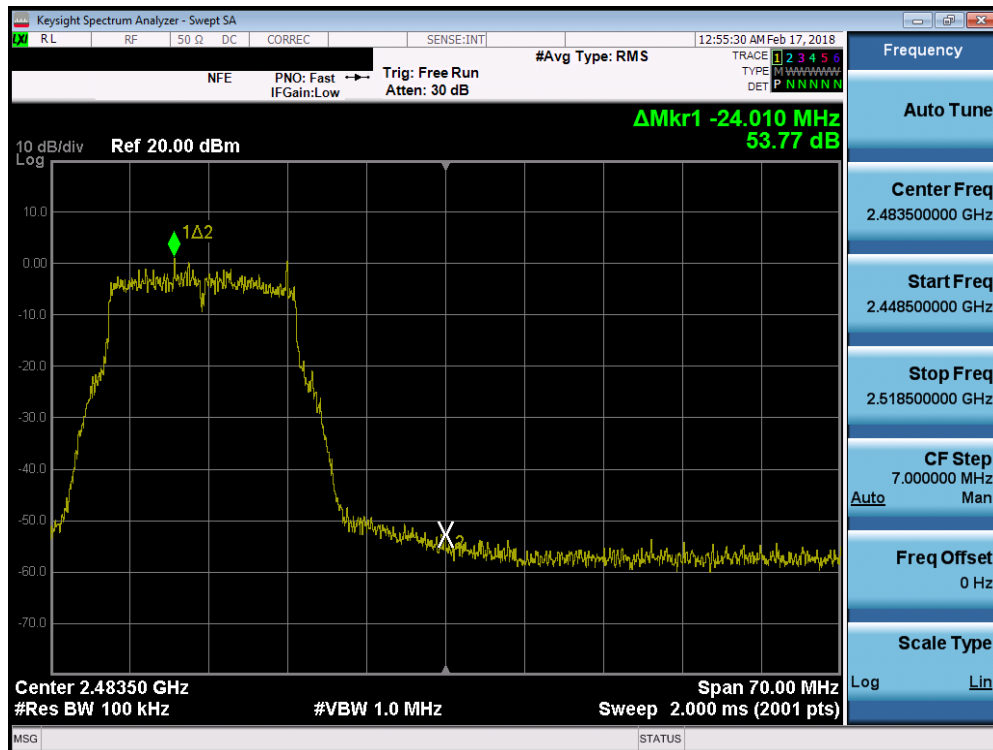


Plot 7-104. Band Edge Plot MIMO ANT2 (802.11g- Ch. 1)

|                                         |                                                                                                                                  |                            |                                 |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018                                                                                                   | EUT Type:<br>Tablet Device | Page 79 of 157                  |

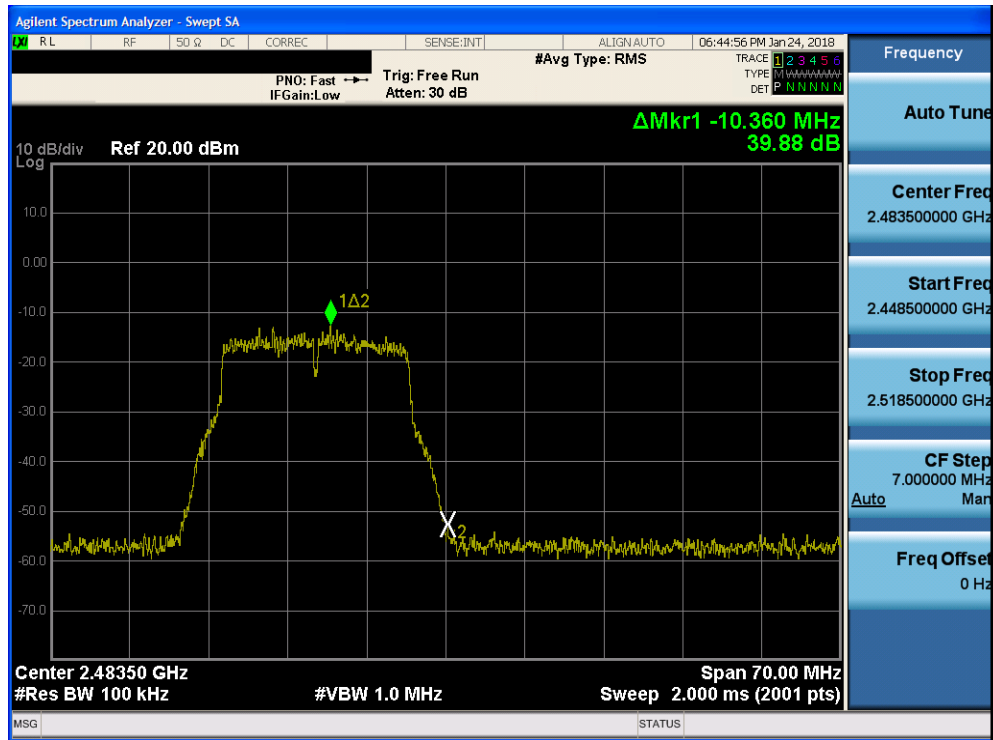


Plot 7-105. Band Edge Plot MIMO ANT1 (802.11g – Ch. 11)

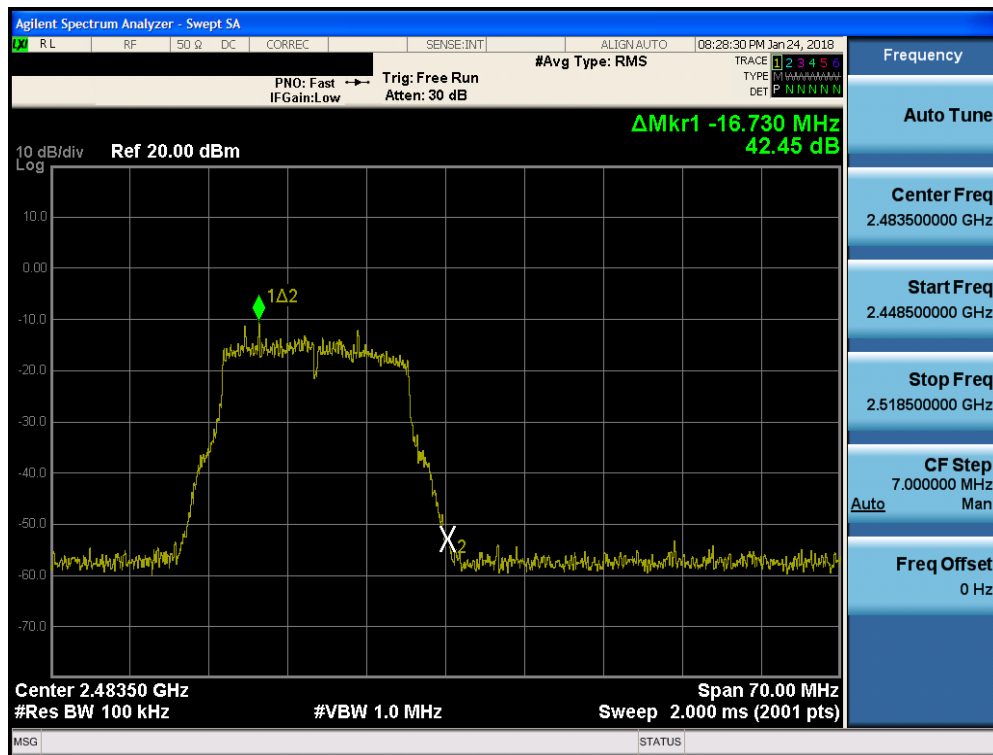


Plot 7-106. Band Edge Plot MIMO ANT1 (802.11g – Ch. 11)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018               | EUT Type:<br>Tablet Device | Page 80 of 157                  |

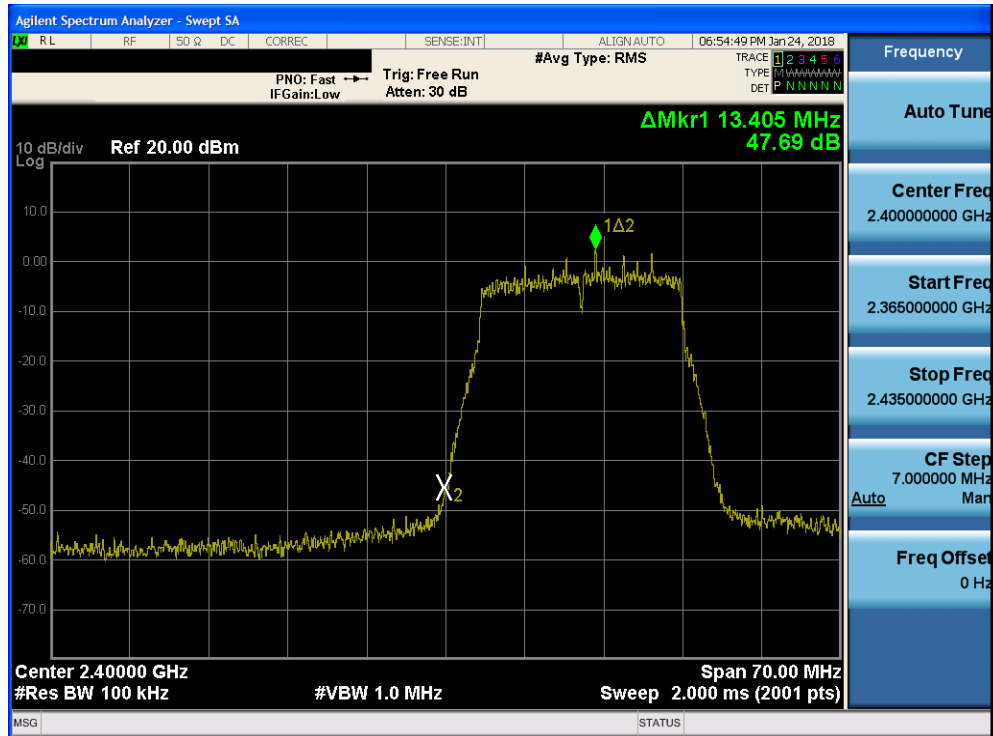


Plot 7-107. Band Edge Plot MIMO ANT1 (802.11g – Ch. 13)

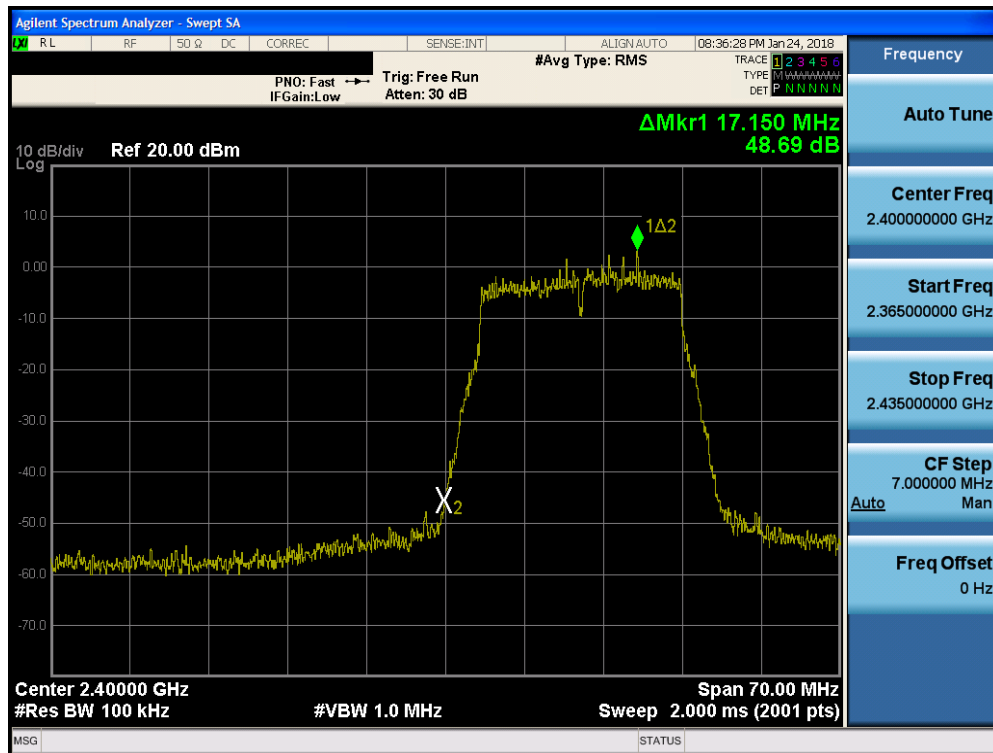


Plot 7-108. Band Edge Plot MIMO ANT2 (802.11g – Ch. 13)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018               | EUT Type:<br>Tablet Device | Page 81 of 157                  |

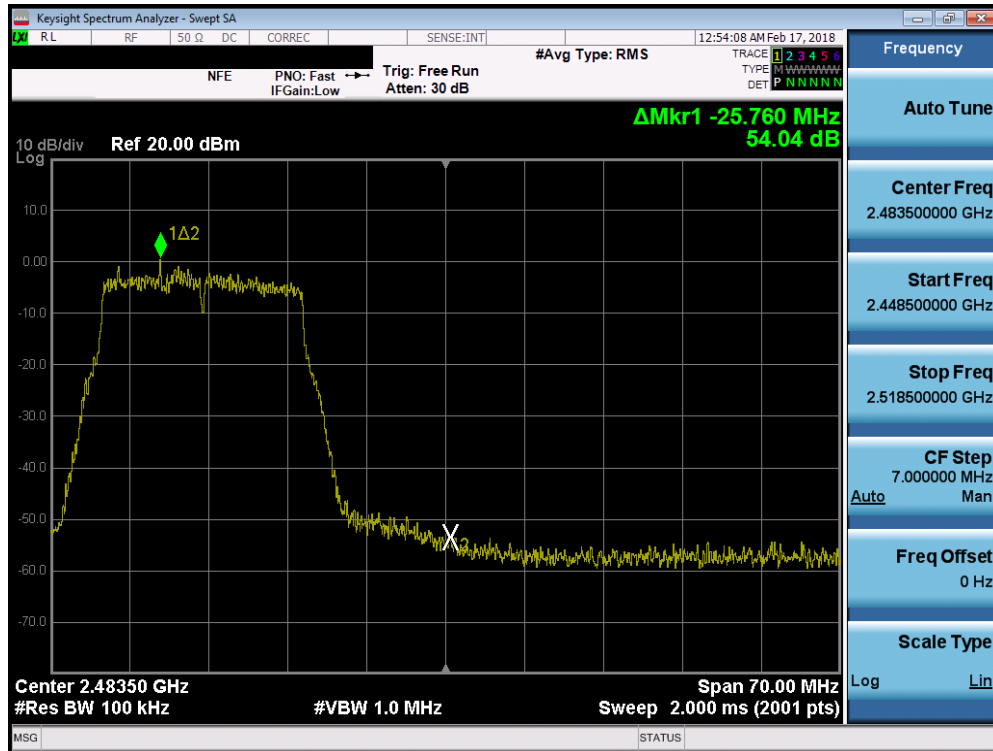


Plot 7-109. Band Edge Plot MIMO ANT1 (802.11n (2.4GHz) – Ch. 1)

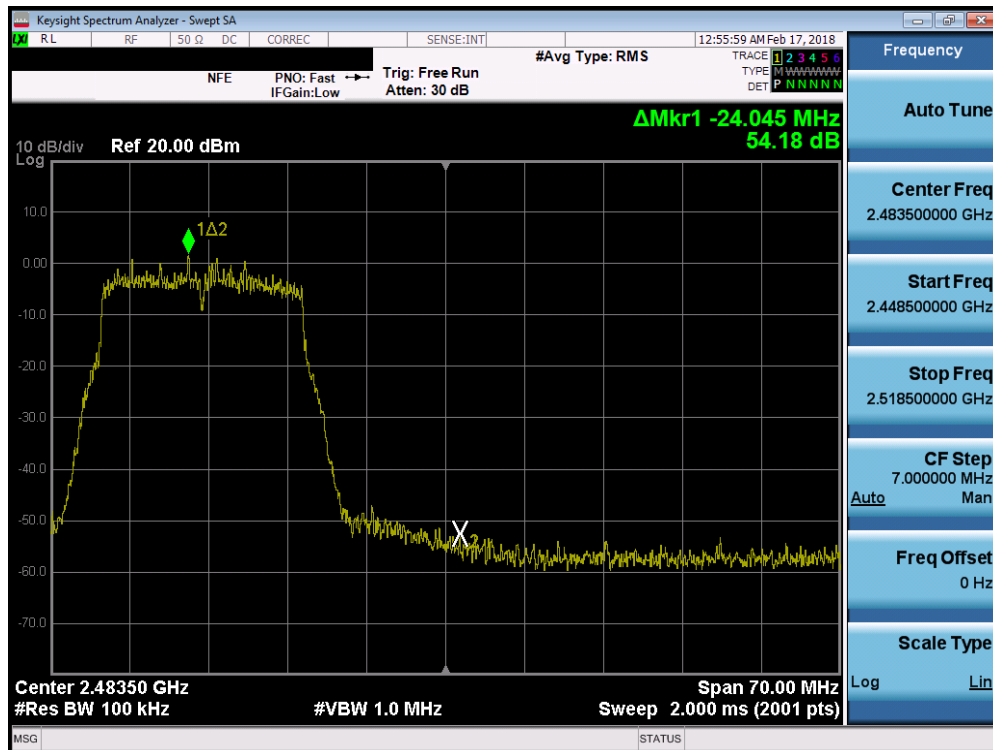


Plot 7-110. Band Edge Plot MIMO ANT2 (802.11n (2.4GHz) – Ch. 1)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018               | EUT Type:<br>Tablet Device | Page 82 of 157                  |

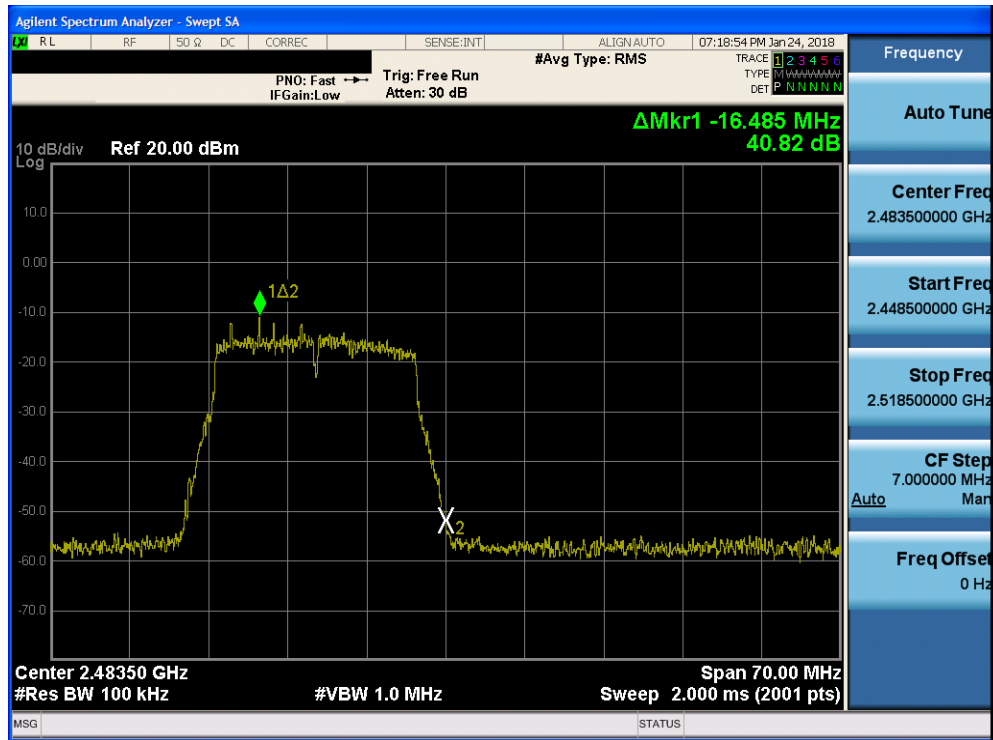


Plot 7-111. Band Edge Plot MIMO ANT1 (802.11n (2.4GHz) – Ch. 11)

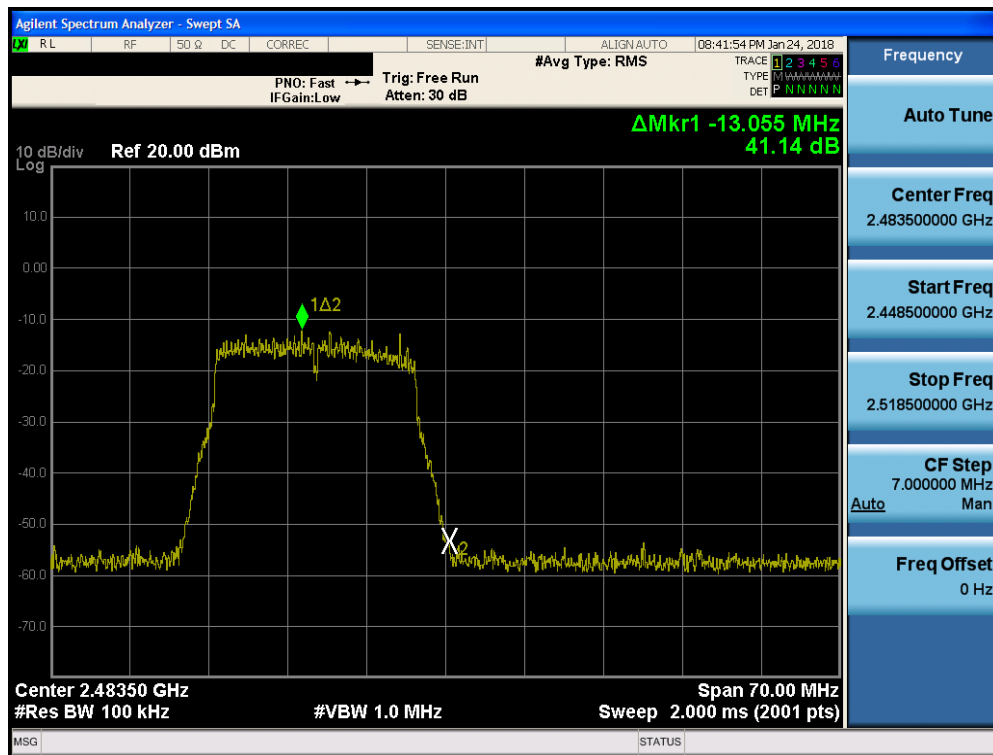


Plot 7-112. Band Edge Plot MIMO ANT2 (802.11n (2.4GHz) – Ch. 11)

|                                         |                                                                                                                                  |                            |                                 |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018                                                                                                   | EUT Type:<br>Tablet Device | Page 83 of 157                  |



Plot 7-113. Band Edge Plot MIMO ANT1 (802.11n (2.4GHz) – Ch. 13)



Plot 7-114. Band Edge Plot MIMO ANT2 (802.11n (2.4GHz) – Ch. 13)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018               | EUT Type:<br>Tablet Device | Page 84 of 157                  |

## 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”, and “n” modes. The worst case spurious emissions for the 2.4GHz band were found while transmitting in “b” mode at 1 Mbps and are shown in the plots below.

**The limit for out-of-band spurious emissions at the band edge is 30dB 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 11.1 of ANSI C63.10-2013 and KDB 558074 D01 v04.**

### Test Procedure Used

ANSI C63.10-2013 – Section 11.11.3  
KDB 558074 D01 v04 – Section 11.3  
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**

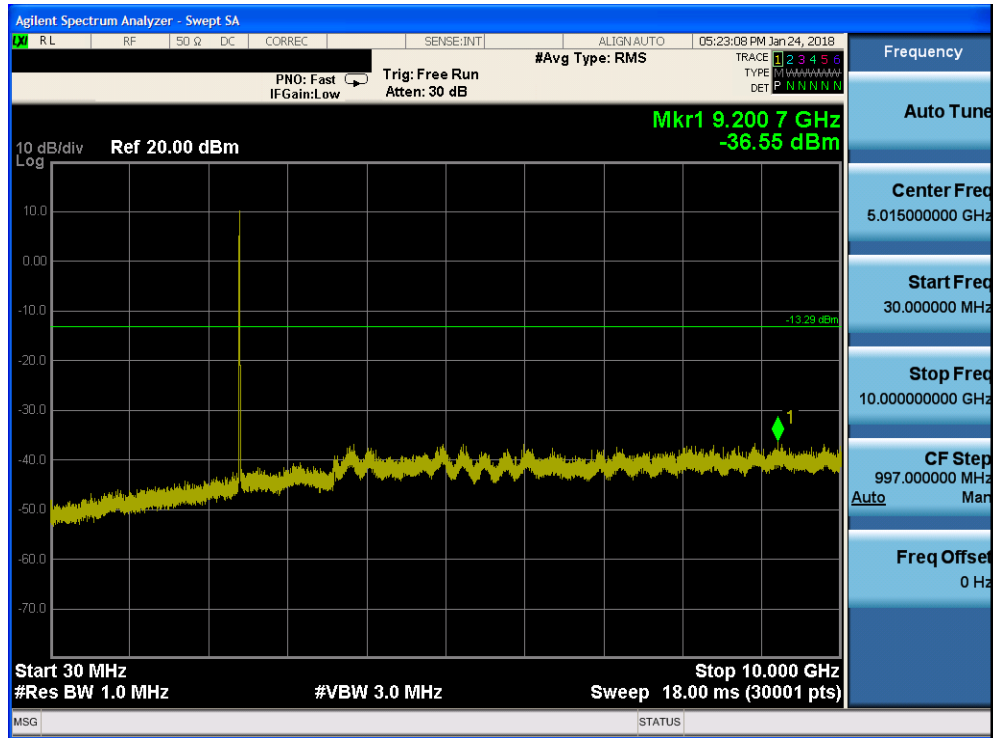
|                                         |                                                                                                                                   |                            |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018                                                                                                    | EUT Type:<br>Tablet Device | Page 85 of 157                  |

### Test Notes

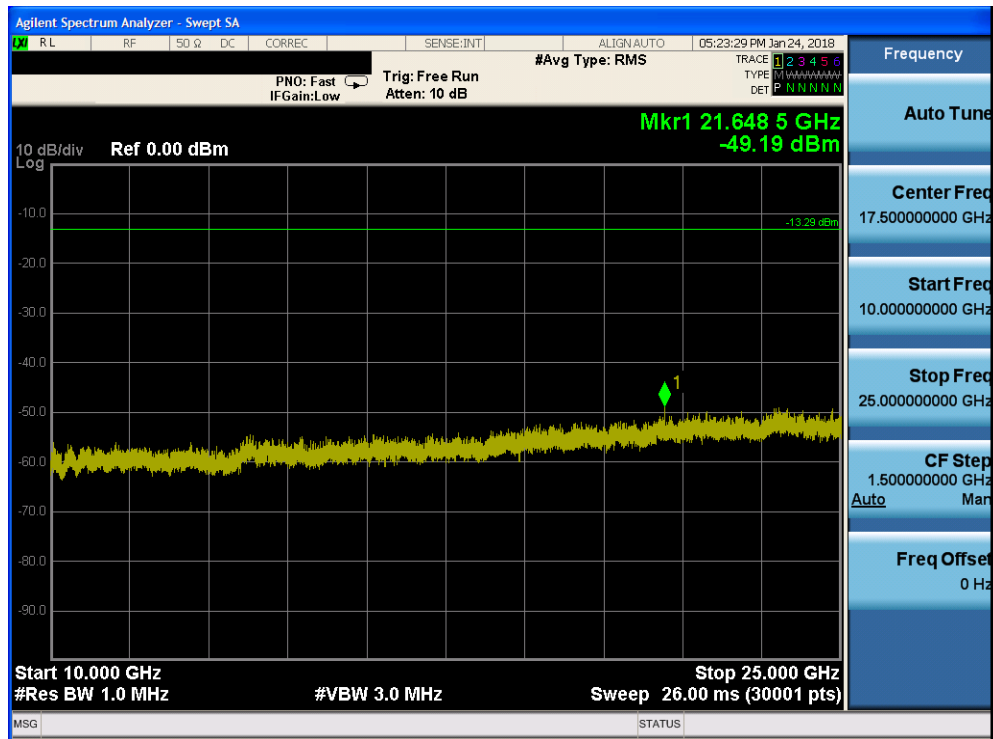
1. RBW was set to 1MHz rather than 100kHz in order to increase the measurement speed.
2. The display line shown in the following plots denotes the limit at 30dB below the fundamental emission level measured in a 100kHz bandwidth. However, since the traces in the following plots are measured with a 1MHz RBW, the display line may not necessarily appear to be 30dB 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.

|                                                |                                                                                                                                   |                                   |                                        |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------|
| <b>FCC ID:</b> BCGA1954                        |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                                   | <b>Approved by:</b><br>Quality Manager |
| <b>Test Report S/N:</b><br>1C1710060006-05.BCG | <b>Test Dates:</b><br>10/31-2/17/2018                                                                                             | <b>EUT Type:</b><br>Tablet Device | Page 86 of 157                         |

## SISO Antenna-1 Conducted Spurious Emission

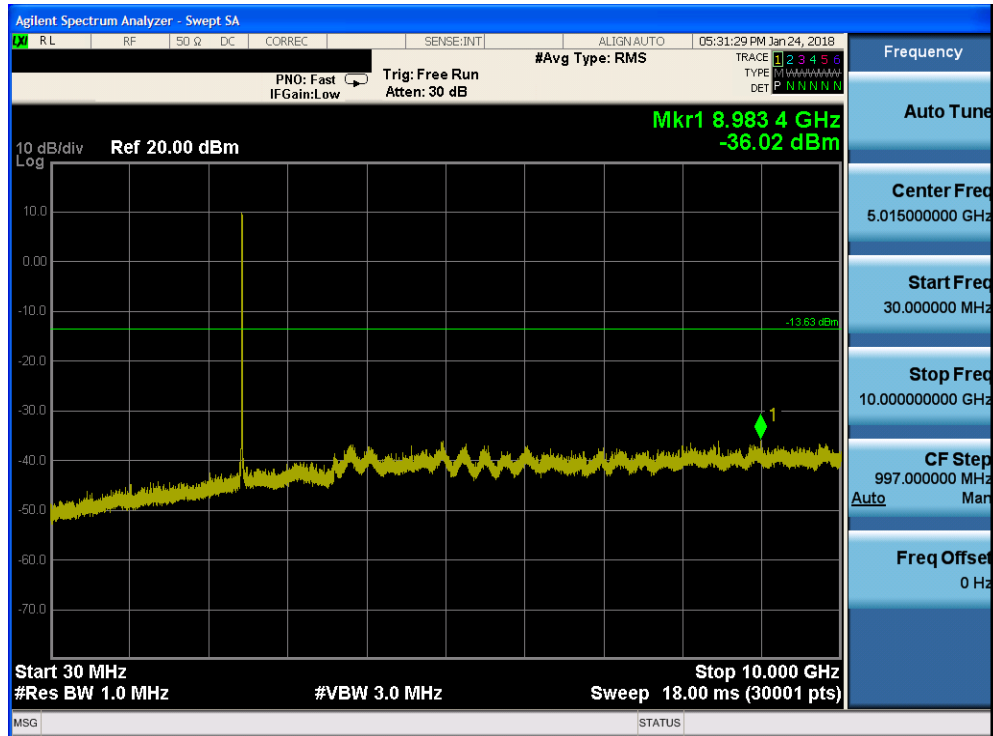


Plot 7-115. Conducted Spurious Plot SISO ANT1 (802.11b – Ch. 1)

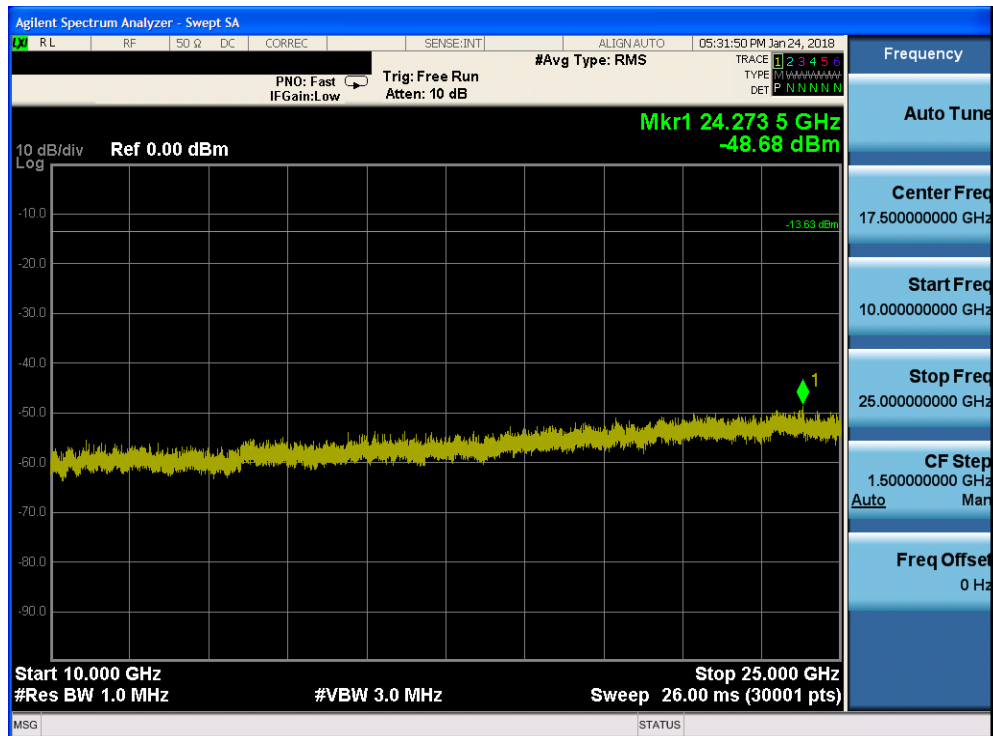


Plot 7-116. Conducted Spurious Plot SISO ANT1 (802.11b – Ch. 1)

|                                         |                                                                                                                                   |                            |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018                                                                                                    | EUT Type:<br>Tablet Device | Page 87 of 157                  |

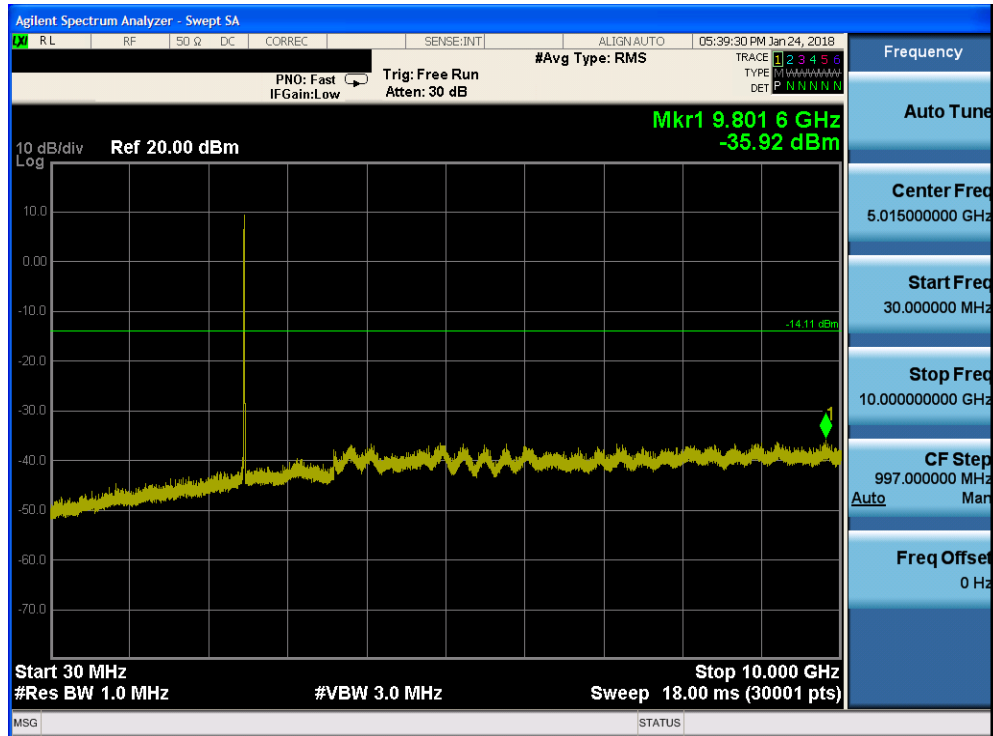


Plot 7-117. Conducted Spurious Plot SISO ANT1 (802.11b – Ch. 7)

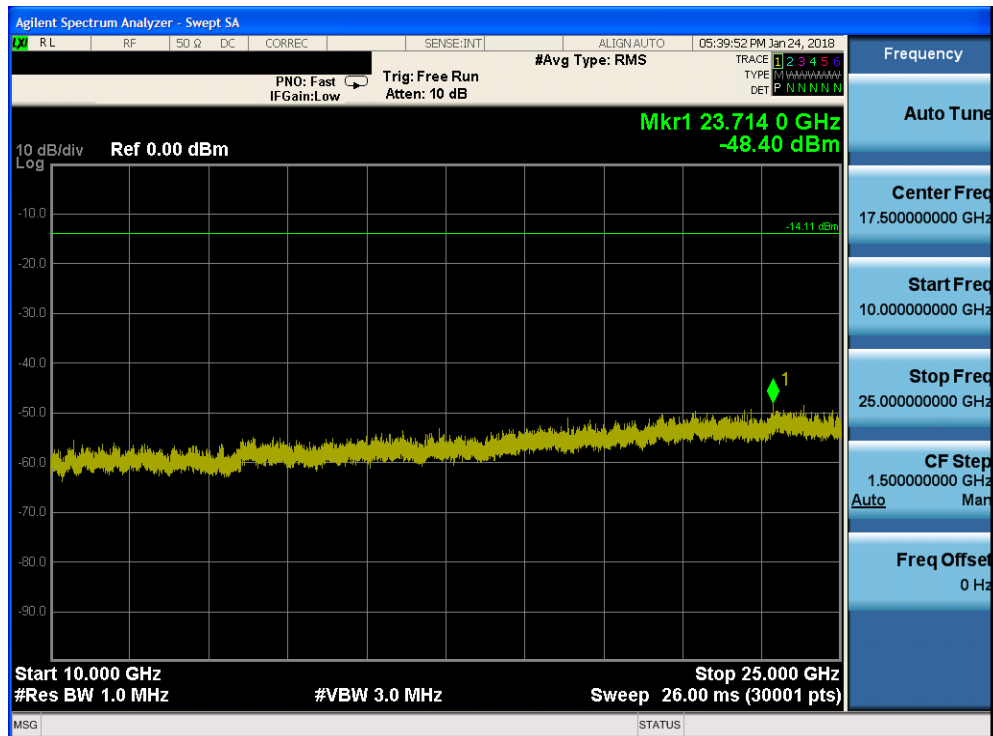


Plot 7-118. Conducted Spurious Plot SISO ANT1 (802.11b – Ch. 7)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018               | EUT Type:<br>Tablet Device | Page 88 of 157                  |



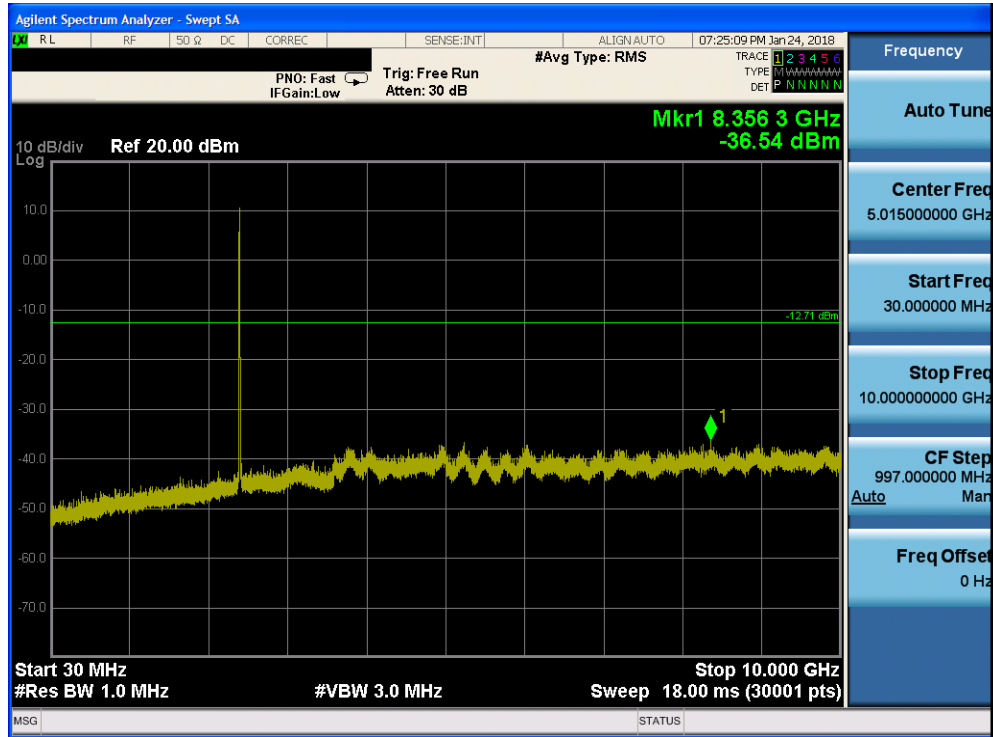
Plot 7-119. Conducted Spurious Plot SISO ANT1 (802.11b – Ch. 13)



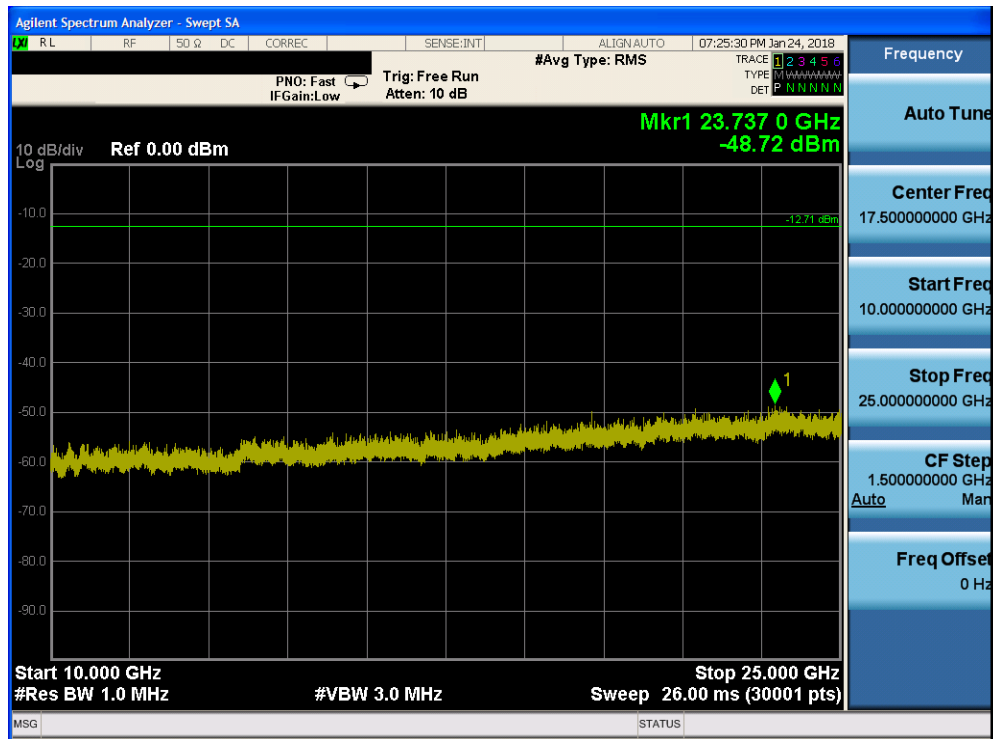
Plot 7-120. Conducted Spurious Plot SISO ANT1 (802.11b – Ch. 13)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018               | EUT Type:<br>Tablet Device | Page 89 of 157                  |

## SISO Antenna-2 Conducted Spurious Emissions

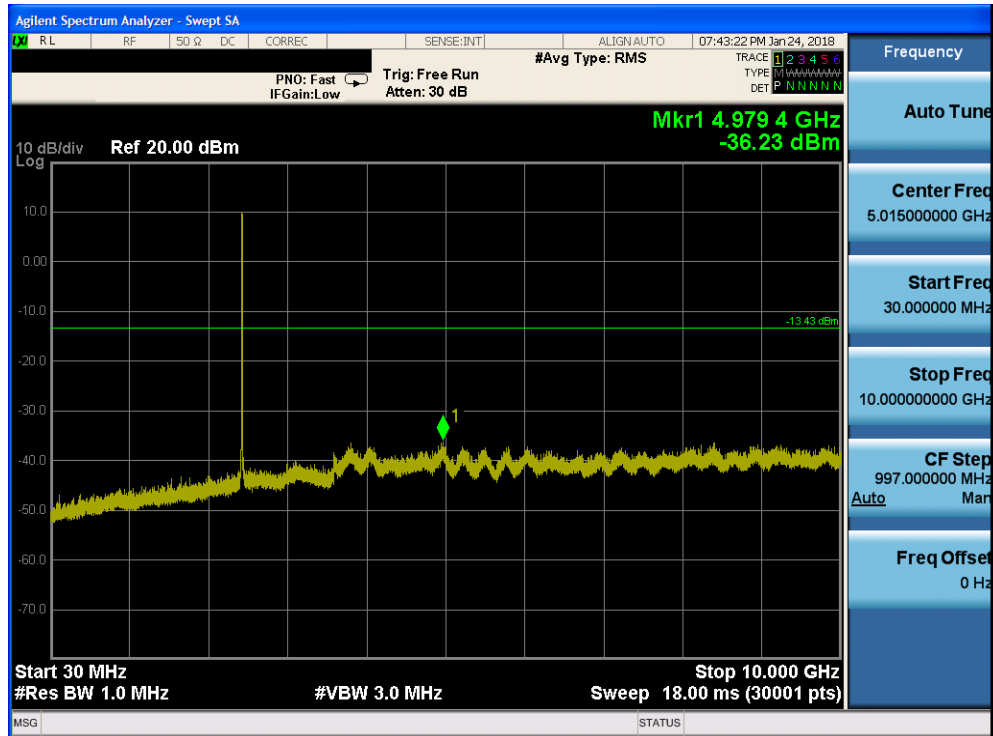


Plot 7-121. Conducted Spurious Plot SISO ANT2 (802.11b – Ch. 1)

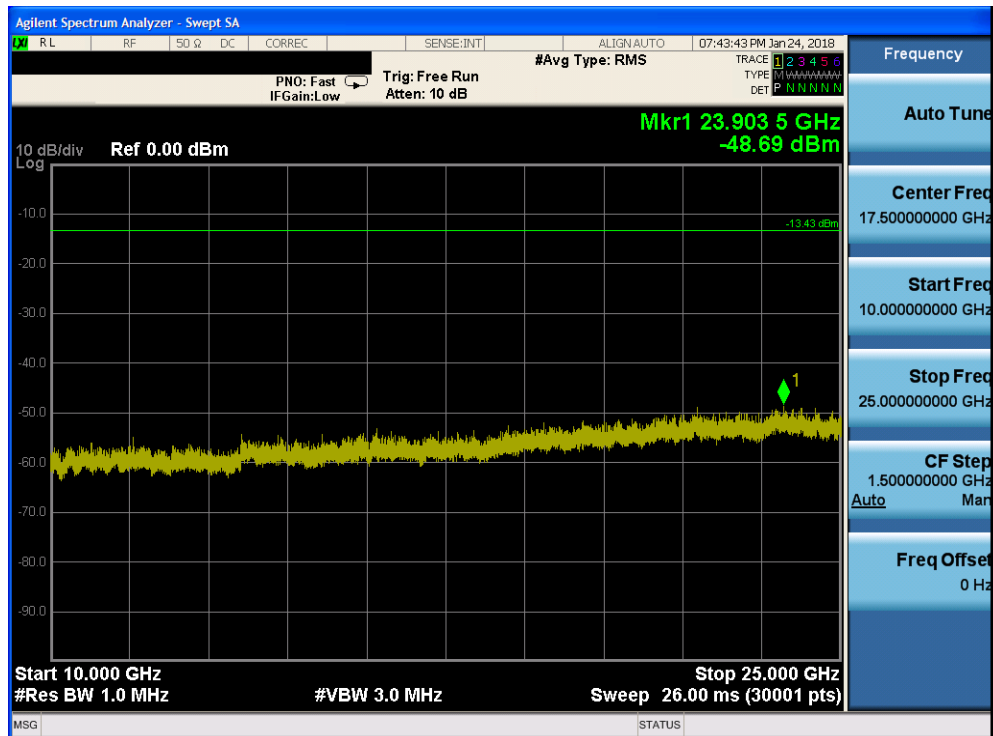


Plot 7-122. Conducted Spurious Plot SISO ANT2 (802.11b – Ch. 1)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018               | EUT Type:<br>Tablet Device | Page 90 of 157                  |

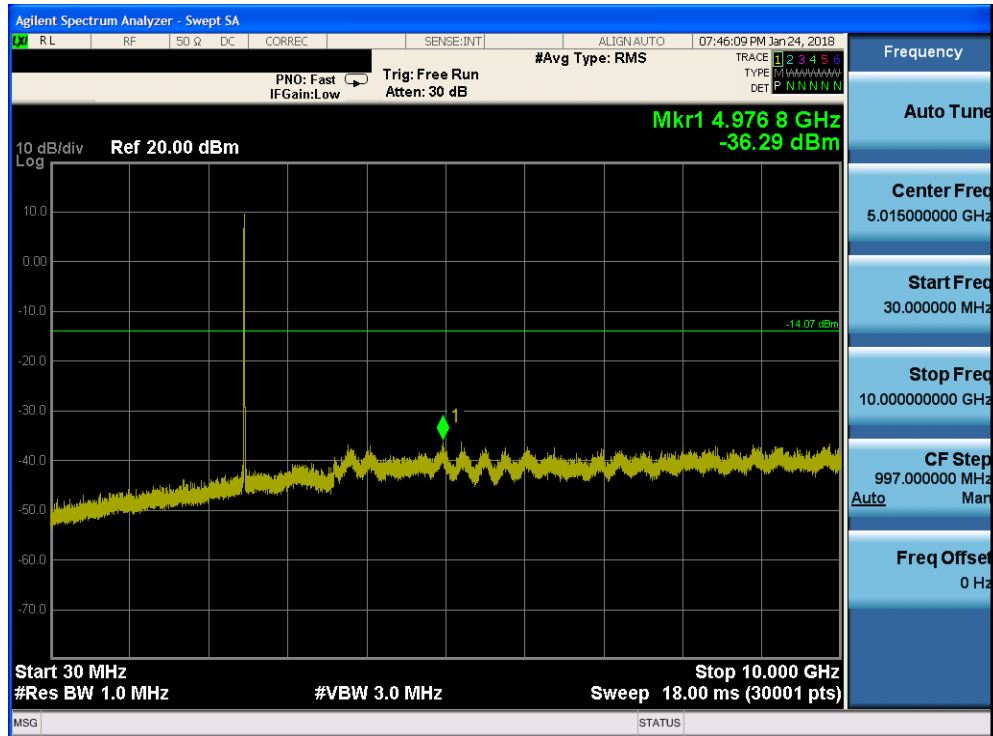


Plot 7-123. Conducted Spurious Plot SISO ANT2 (802.11b – Ch. 7)

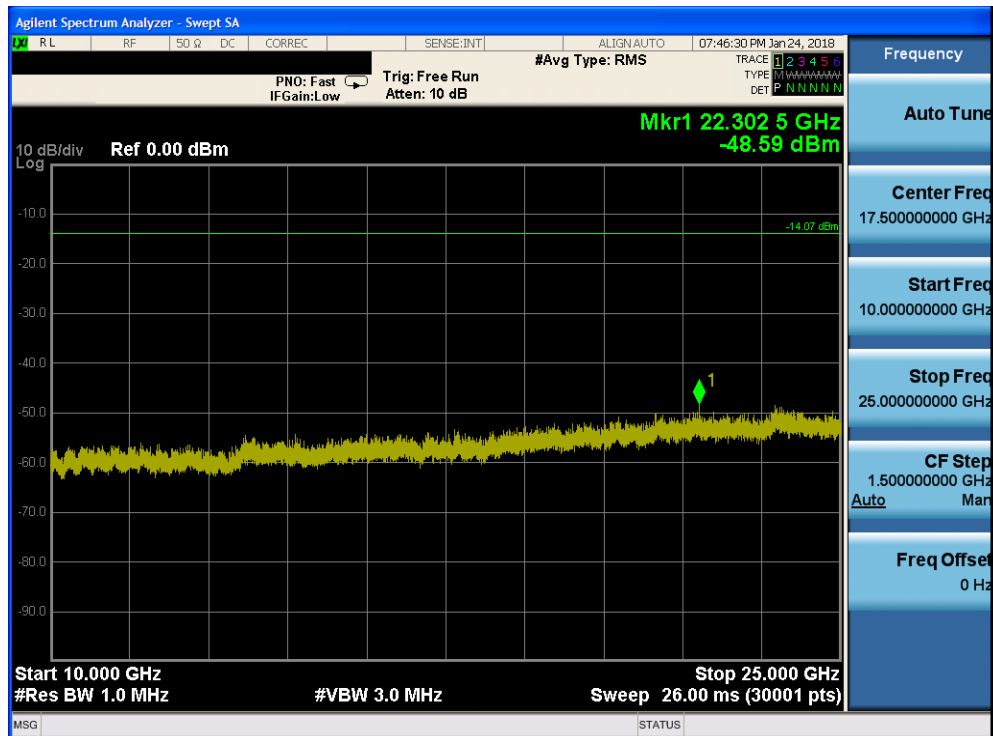


Plot 7-124. Conducted Spurious Plot SISO ANT2 (802.11b – Ch. 7)

|                                         |                                               |                            |                                 |
|-----------------------------------------|-----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018                | EUT Type:<br>Tablet Device | Page 91 of 157                  |



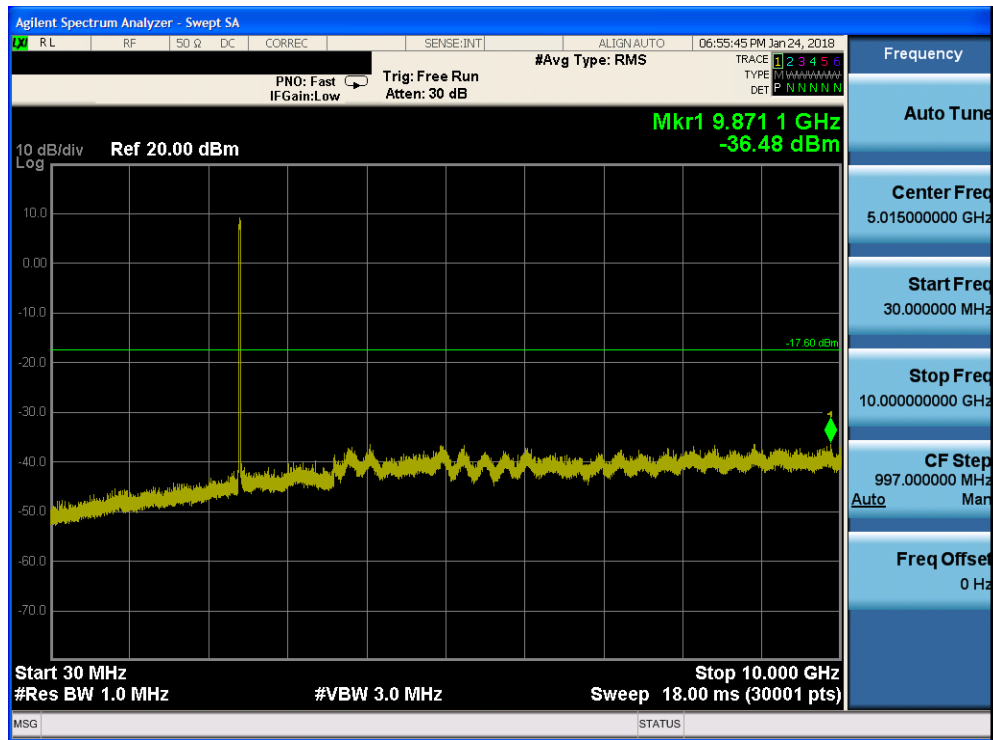
Plot 7-125. Conducted Spurious Plot SISO ANT2 (802.11b – Ch. 13)



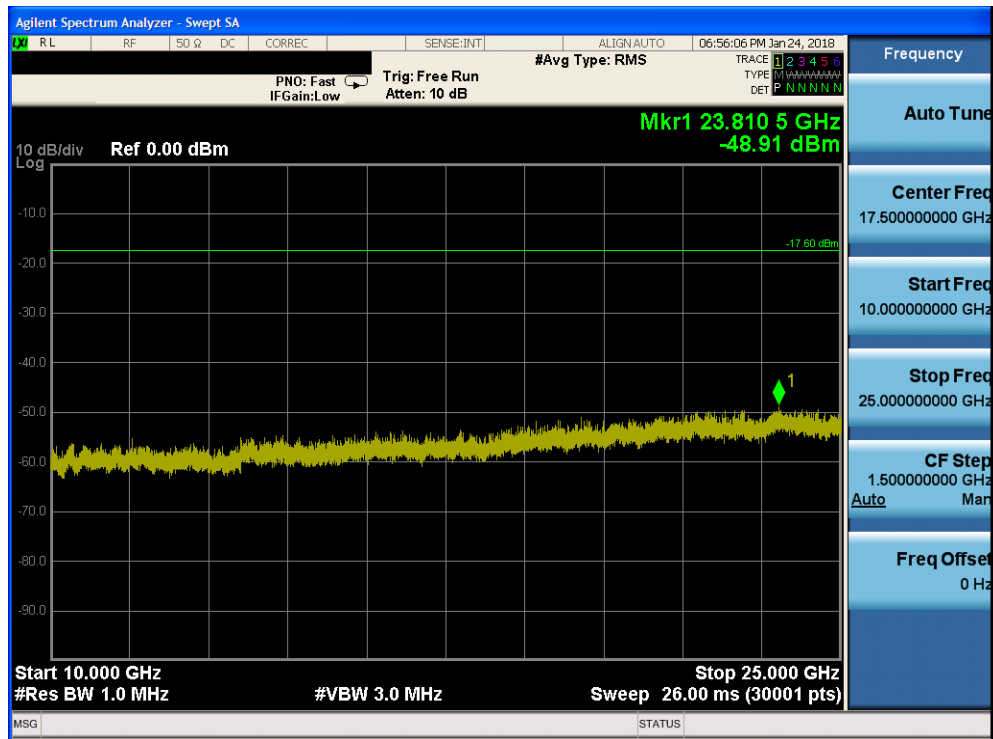
Plot 7-126. Conducted Spurious Plot SISO ANT2 (802.11b – Ch. 13)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018               | EUT Type:<br>Tablet Device | Page 92 of 157                  |

## MIMO Conducted Spurious Emissions

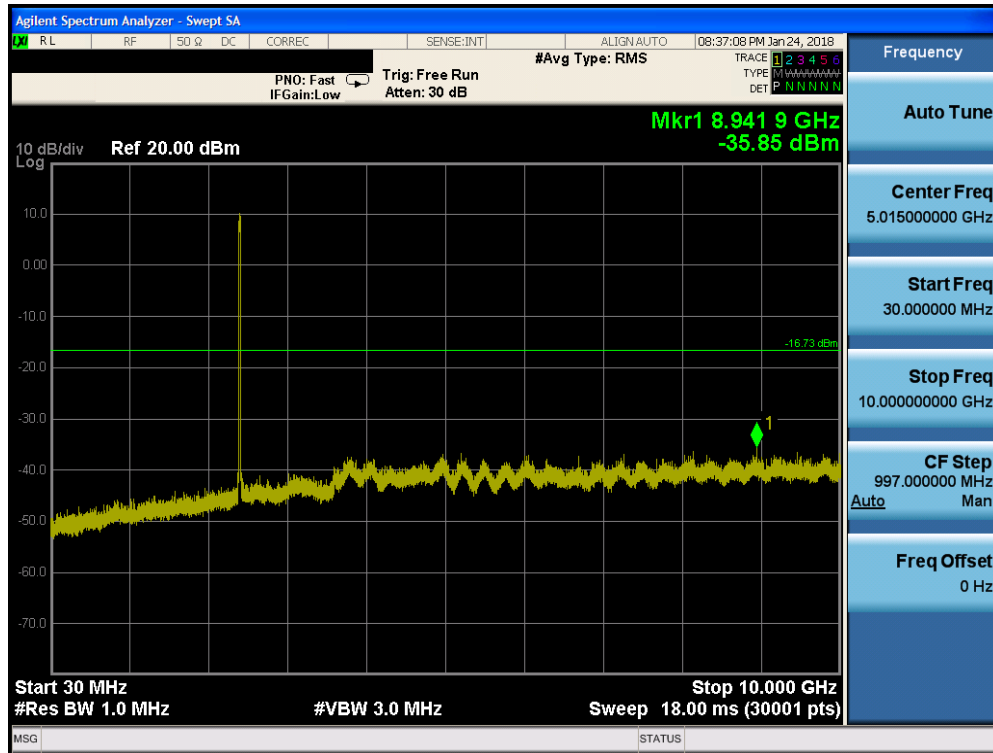


Plot 7-127. Conducted Spurious Plot MIMO ANT1 (802.11n – Ch. 1)

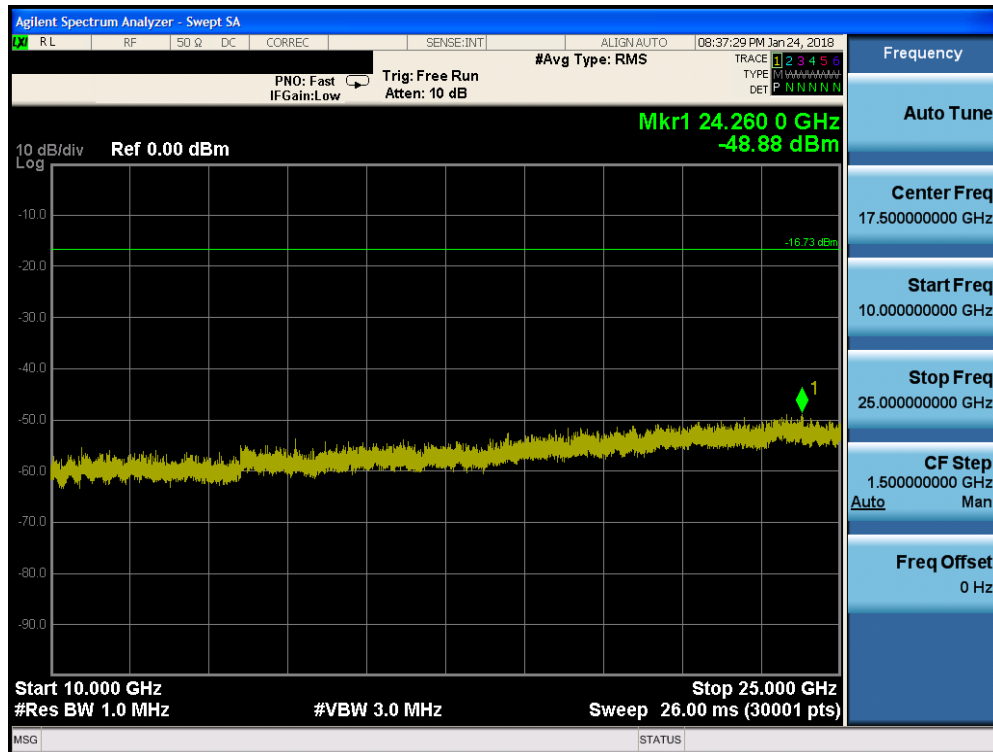


Plot 7-128. Conducted Spurious Plot MIMO ANT1 (802.11n – Ch. 1)

|                                         |                                                                                                                                  |                            |                                 |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018                                                                                                   | EUT Type:<br>Tablet Device | Page 93 of 157                  |

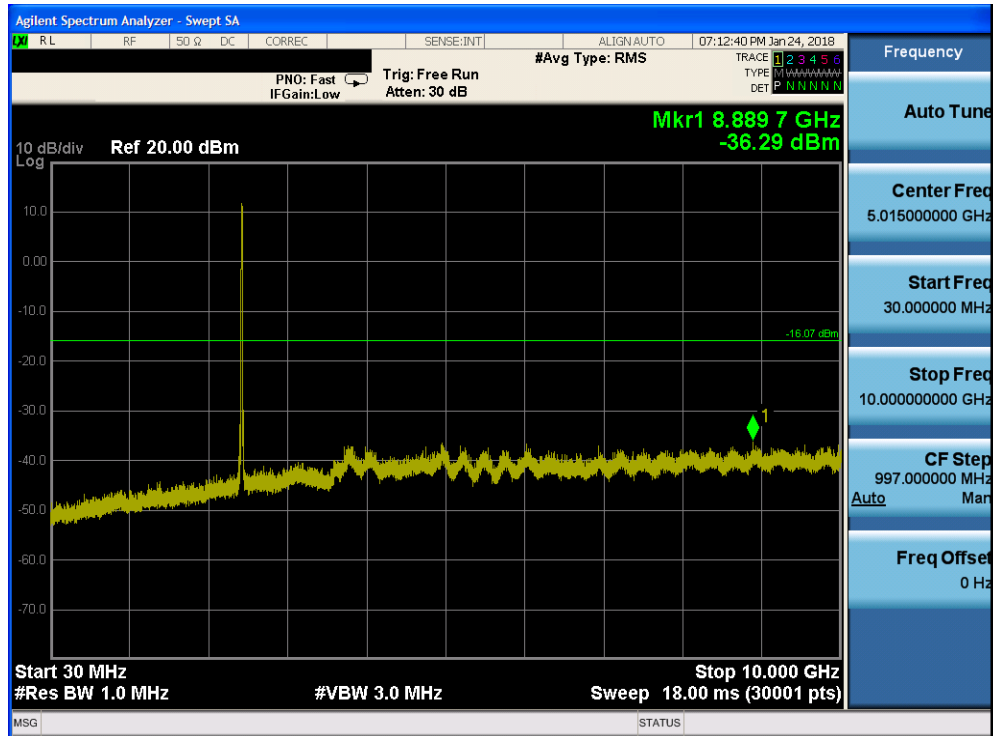


Plot 7-129. Conducted Spurious Plot MIMO ANT2 (802.11n – Ch. 1)

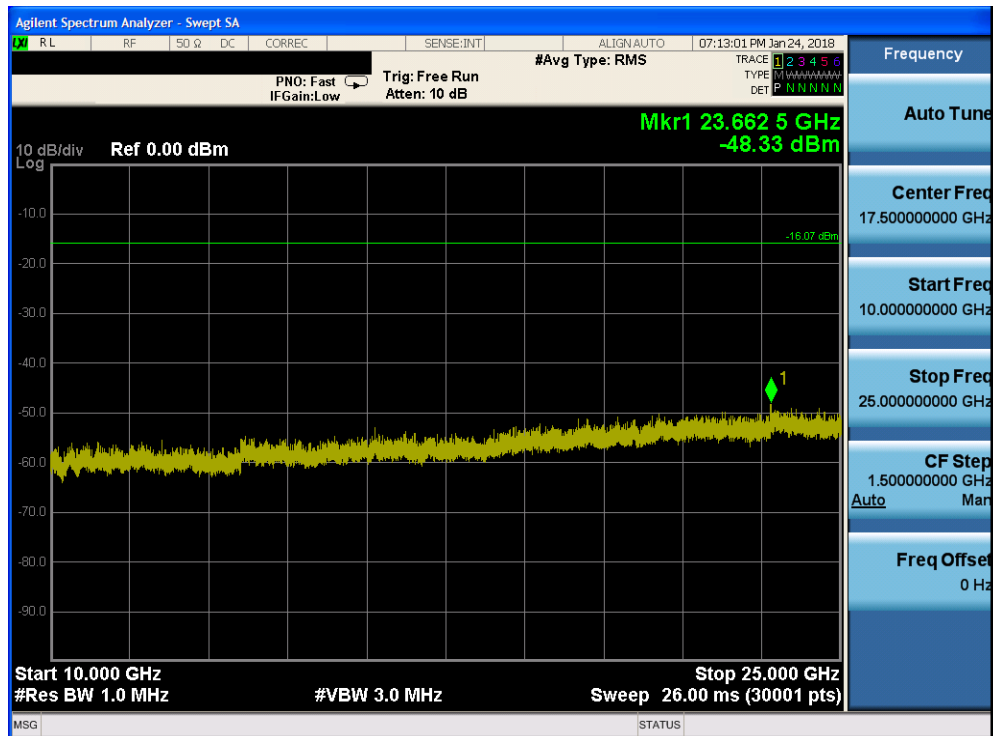


Plot 7-130. Conducted Spurious Plot MIMO ANT2 (802.11n – Ch. 1)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018               | EUT Type:<br>Tablet Device | Page 94 of 157                  |

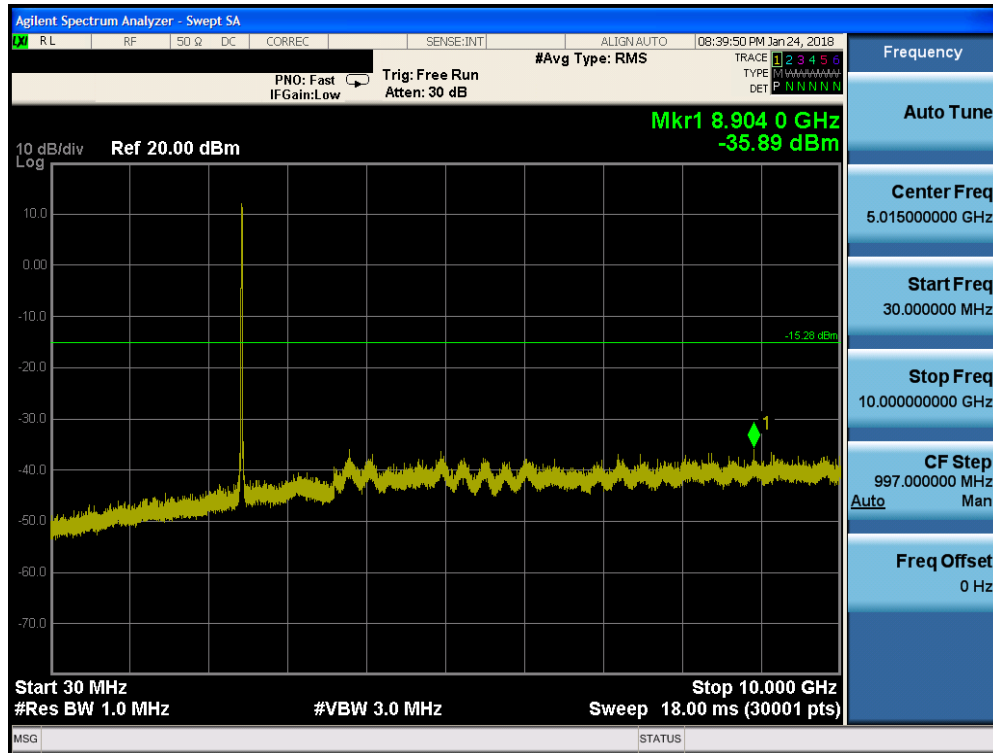


Plot 7-131. Conducted Spurious Plot MIMO ANT1 (802.11n – Ch. 7)

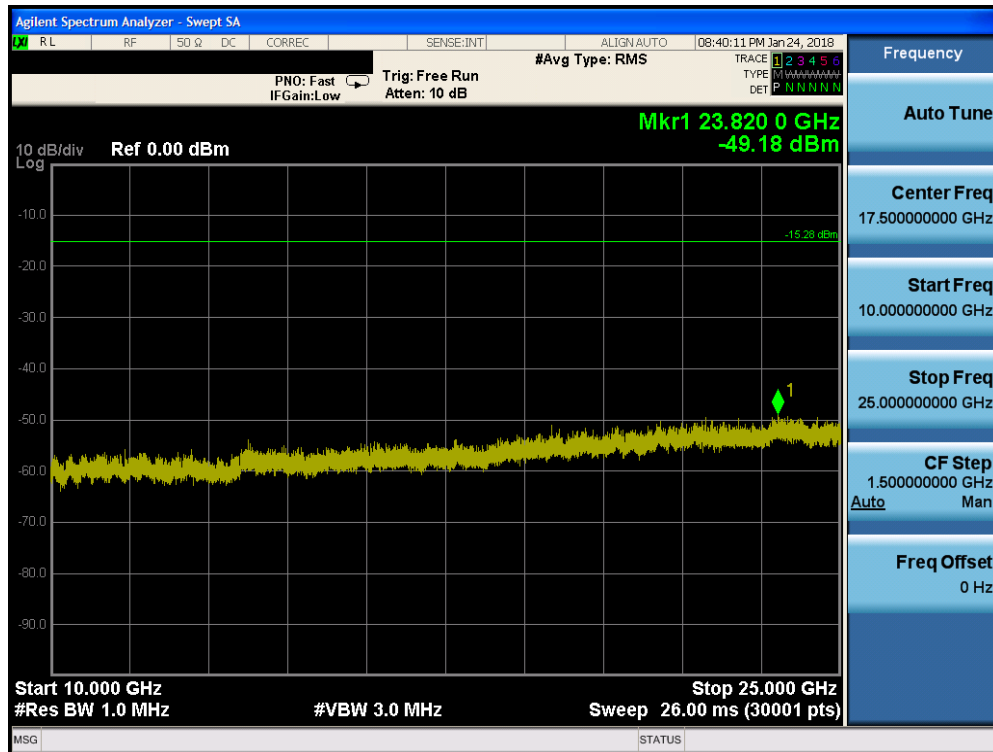


Plot 7-132. Conducted Spurious Plot MIMO ANT1 (802.11n – Ch. 7)

|                                         |                                                                                                                                   |                            |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018                                                                                                    | EUT Type:<br>Tablet Device | Page 95 of 157                  |

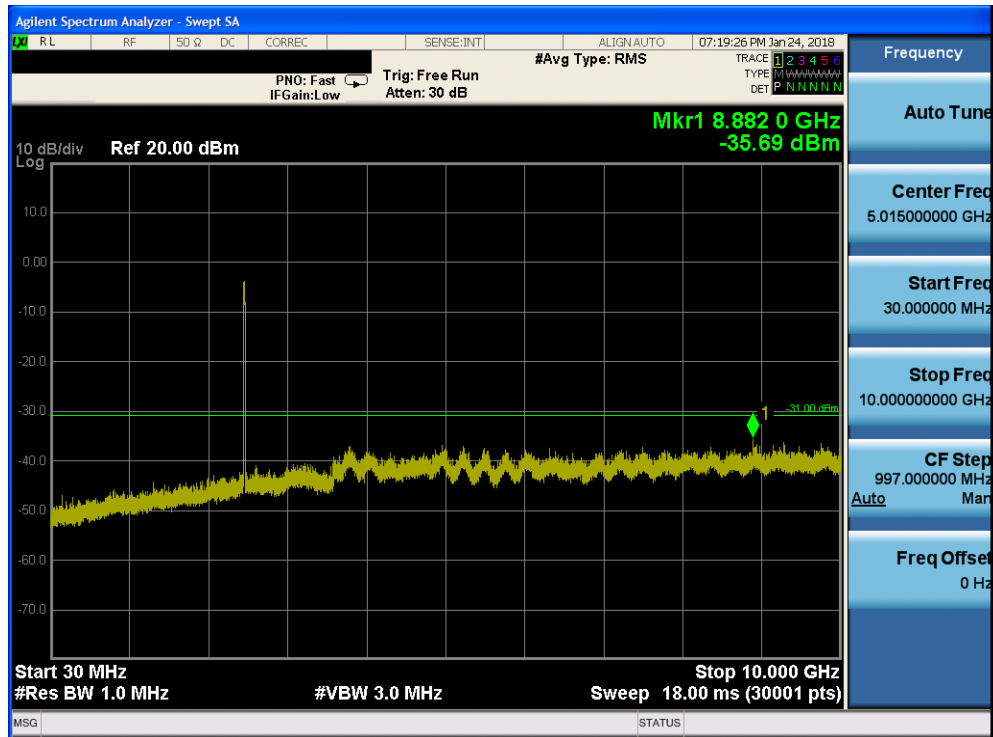


Plot 7-133. Conducted Spurious Plot MIMO ANT2 (802.11n – Ch. 7)

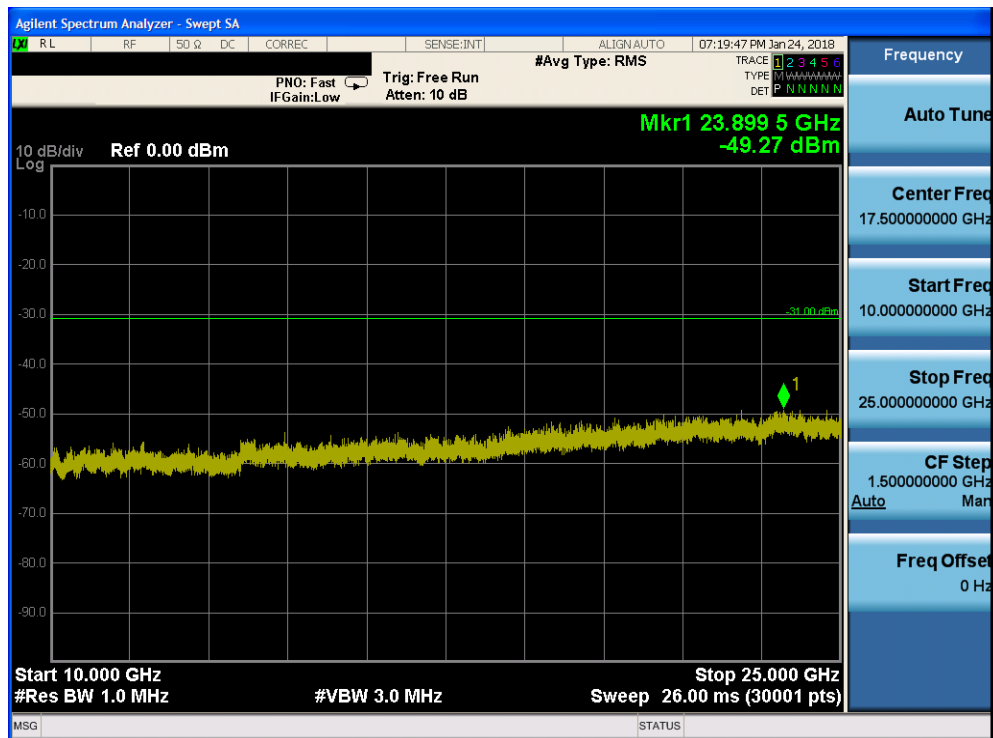


Plot 7-134. Conducted Spurious Plot MIMO ANT2 (802.11n – Ch. 7)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018               | EUT Type:<br>Tablet Device | Page 96 of 157                  |

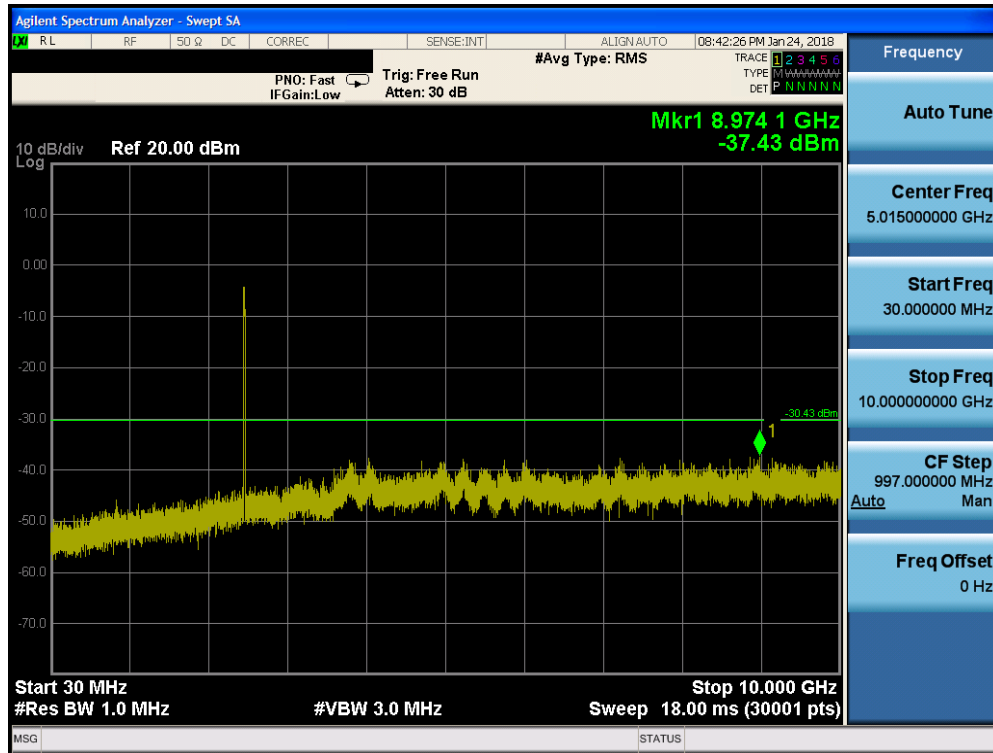


Plot 7-135. Conducted Spurious Plot MIMO ANT1 (802.11n – Ch. 13)

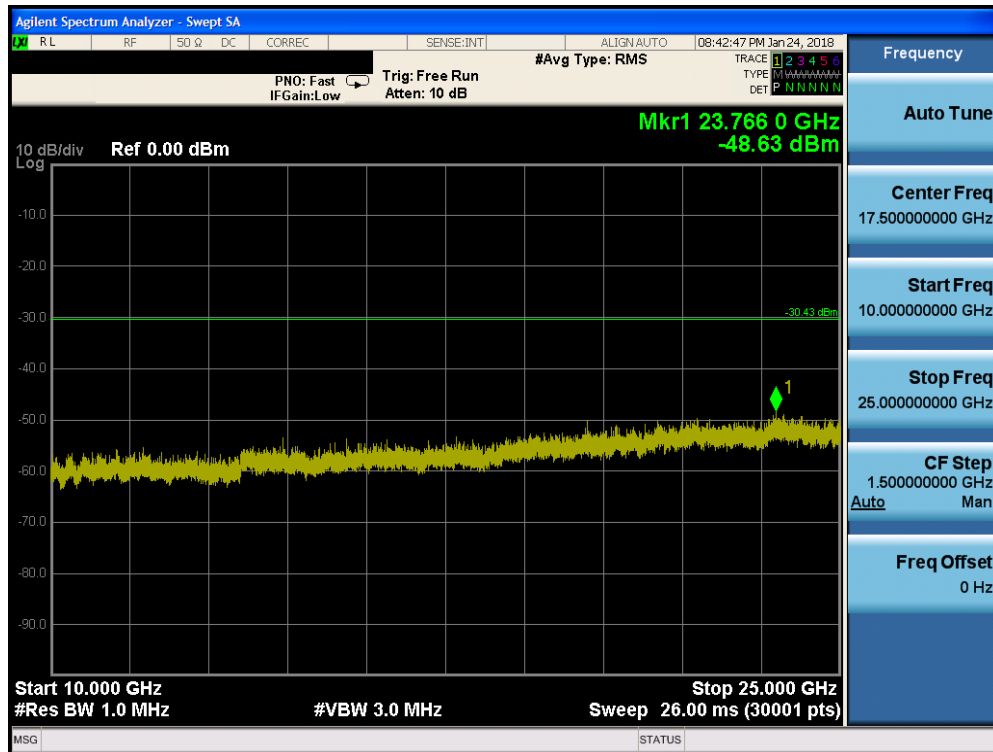


Plot 7-136. Conducted Spurious Plot MIMO ANT1 (802.11n – Ch. 13)

|                                         |                                              |                            |                                 |
|-----------------------------------------|----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT</b><br>(CERTIFICATION) |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018               | EUT Type:<br>Tablet Device | Page 97 of 157                  |



Plot 7-137. Conducted Spurious Plot MIMO ANT2 (802.11n – Ch. 13)



Plot 7-138. Conducted Spurious Plot MIMO ANT2 (802.11n – Ch. 13)

|                                         |                                               |                            |                                 |
|-----------------------------------------|-----------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        | <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018                | EUT Type:<br>Tablet Device | Page 98 of 157                  |

## 7.7 Radiated Spurious Emission Measurements – 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 6 of RSS-Gen (8.10) must not exceed the limits shown in Table 7-16 per Section 15.209 and RSS-Gen (8.9).

| Frequency       | Field Strength<br>[ $\mu\text{V/m}$ ] | Measured Distance<br>[Meters] |
|-----------------|---------------------------------------|-------------------------------|
| Above 960.0 MHz | 500                                   | 3                             |

Table 7-16. Radiated Limits

### Test Procedures Used

ANSI C63.10-2013 – Section 6.6.4.3

KDB 558074 D01 v04 – Section 12.1, 12.2.7

### 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

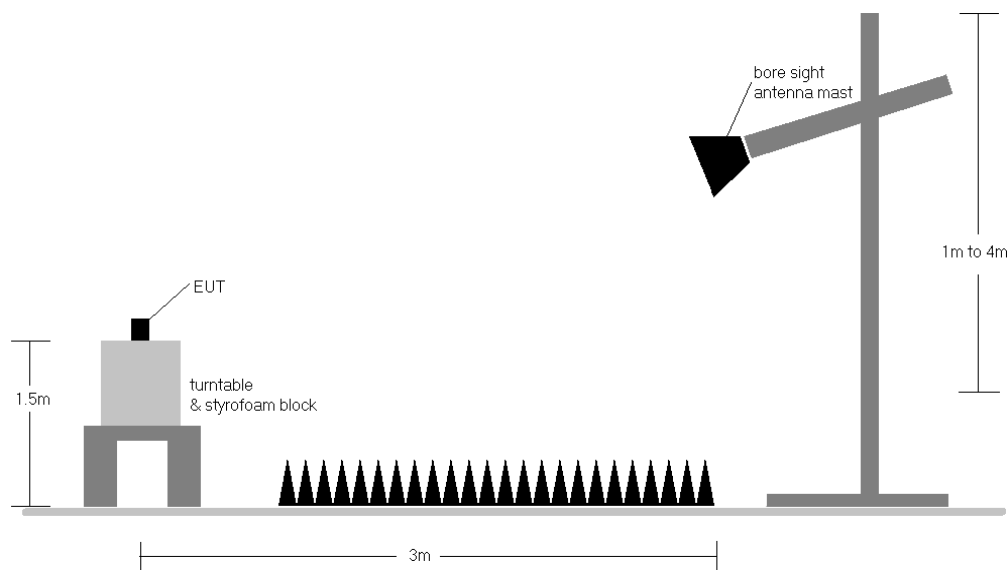
#### Peak Field Strength Measurements

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

|                                         |                                                                                                                                   |                            |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018                                                                                                    | EUT Type:<br>Tablet Device | Page 99 of 157                  |

## Test Setup

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



**Figure 7-6. Test Instrument & Measurement Setup**

## Test Notes

1. The optional test procedures for antenna port conducted measurements of unwanted emissions per the guidance of KDB 558074 D01 v04 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 7-16.
3. The antenna is manipulated through typical positions, polarity and length during the tests. The EUT is manipulated through three orthogonal planes.
4. This unit was tested with its standard battery.
5. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter using CISPR quasi peak detector below 1GHz. Above 1 GHz, average and peak measurements were taken using linearly polarized horn antennas. The worst-case emissions are reported however emissions whose levels were not within 20dB of the respective limits were not reported.
6. Emissions below 18GHz were measured at a 3 meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
7. Radiated spurious emissions were investigated while operating in MIMO mode, however, it was determined that single antenna operation produced the worst case emissions. Since the emissions

|                                         |                                                                                                                                   |                            |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018                                                                                                    | EUT Type:<br>Tablet Device | Page 100 of 157                 |

produced from MIMO operation were found to be more than 20dB below the limit, the MIMO emissions are not reported.

8. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification. Any emissions found to be within 20dB of the limit are fully investigated and the results are shown in this section.
9. The "-" shown in the following RSE tables are used to denote a noise floor measurement.

## **Sample Calculations**

### **Determining Spurious Emissions Levels**

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

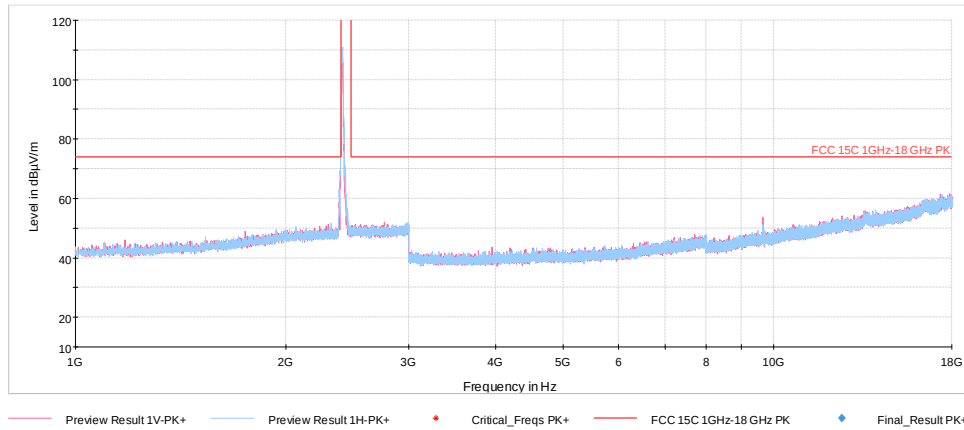
### **Radiated Band Edge Measurement Offset**

- The amplitude 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

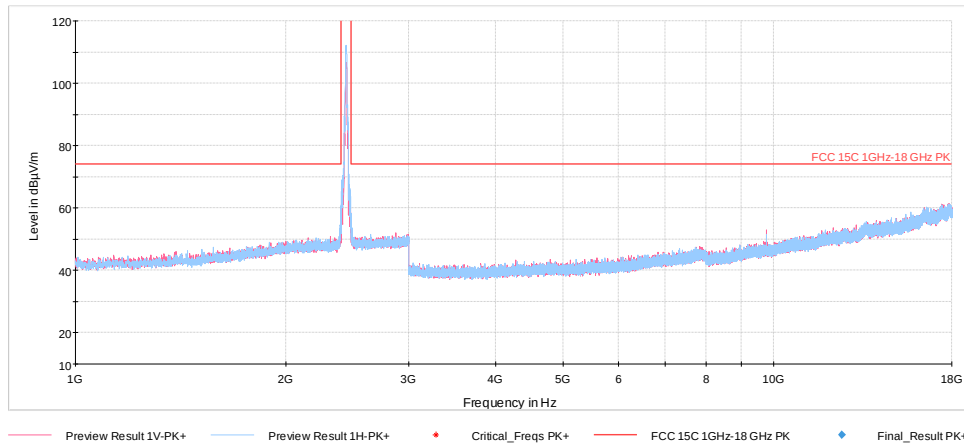
|                                         |                                                                                                                                   |                            |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018                                                                                                    | EUT Type:<br>Tablet Device | Page 101 of 157                 |

## 7.7.1 SISO Antenna-1 Radiated Spurious Emission Measurements

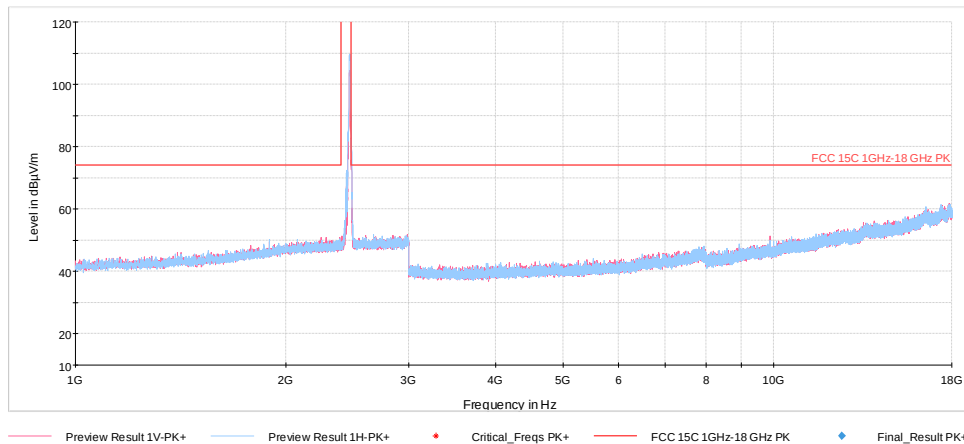
§15.247(d) §15.205 & §15.209; RSS-Gen [8.9]



**Plot 7-139. Radiated Spurious Plot above 1GHz SISO ANT1 (802.11b – Ch. 1, Ant. Pol. H & V)**



**Plot 7-140. Radiated Spurious Plot above 1GHz SISO ANT1 (802.11b – Ch. 7, Ant. Pol. H & V)**

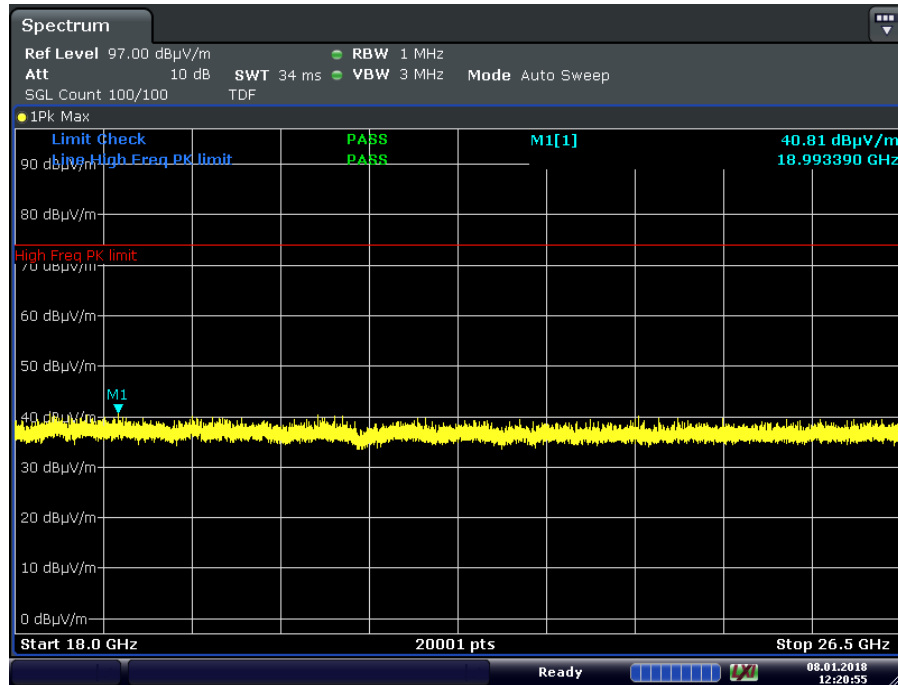


**Plot 7-141. Radiated Spurious Plot above 1GHz SISO ANT1 (802.11b – Ch. 13, Ant. Pol. H & V)**

|                                         |                                                                                                                                   |                            |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018                                                                                                    | EUT Type:<br>Tablet Device | Page 102 of 157                 |

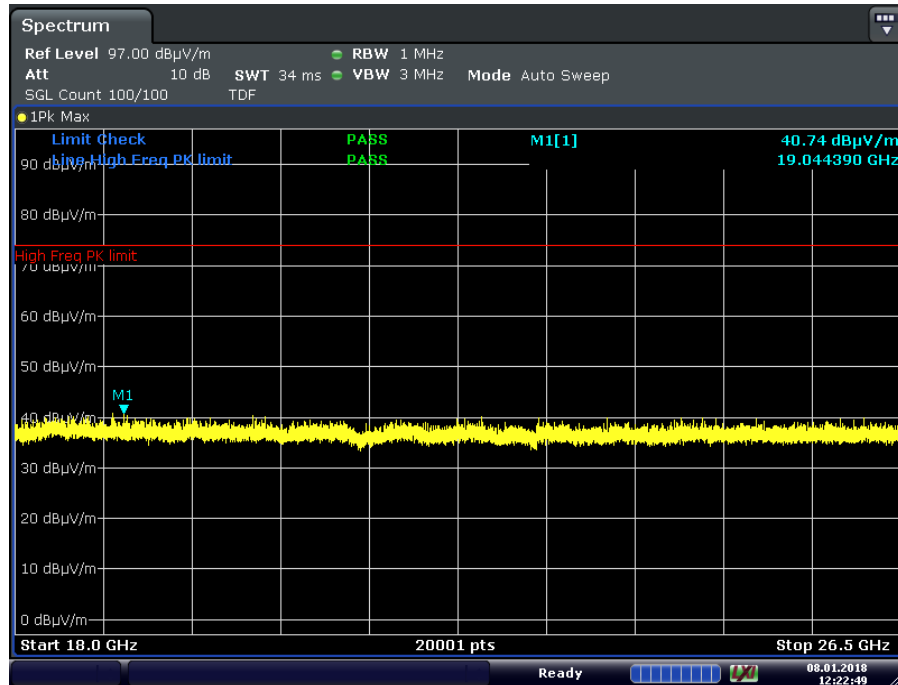
## SISO Antenna-1 Radiated Spurious Emissions Measurements (Above 18GHz)

§15.209; RSS-Gen [8.9]



Date: 8 JAN 2018 12:20:56

**Plot 7-142. Radiated Spurious Plot above 18GHz SISO ANT1 (802.11b – Ch. 7, Ant. Pol. H)**



Date: 8 JAN 2018 12:22:49

**Plot 7-143. Radiated Spurious Plot above 18GHz SISO ANT1 (802.11b – Ch. 7, Ant. Pol. V)**

|                                         |                                                                                                                                   |                            |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018                                                                                                    | EUT Type:<br>Tablet Device | Page 103 of 157                 |

## SISO Antenna-1 Radiated Spurious Emission Measurements

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

Worst Case Mode: 802.11b  
Worst Case Transfer Rate: 1 Mbps  
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      | H               | 255                 | 32                         | -78.51               | 6.93        | 35.42                   | 53.98          | -18.56      |
| 4824.00         | Peak     | H               | 255                 | 32                         | -66.87               | 6.93        | 47.06                   | 73.98          | -26.92      |
| 12060.00        | Avg      | H               | -                   | -                          | -79.96               | 18.23       | 45.27                   | 53.98          | -8.70       |
| 12060.00        | Peak     | H               | -                   | -                          | -68.61               | 18.23       | 56.62                   | 73.98          | -17.35      |

**Table 7-17. Radiated Measurements SISO ANT1**

Worst Case Mode: 802.11b  
Worst Case Transfer Rate: 1 Mbps  
Distance of Measurements: 3 Meters  
Operating Frequency: 2442MHz  
Channel: 07

| 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] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| 4884.00         | Avg      | H               | 124                 | 18                         | -77.69               | 7.02        | 36.33                   | 53.98          | -17.64      |
| 4884.00         | Peak     | H               | 124                 | 18                         | -67.73               | 7.02        | 46.29                   | 73.98          | -27.68      |
| 7326.00         | Avg      | H               | -                   | -                          | -78.78               | 11.28       | 39.50                   | 53.98          | -14.48      |
| 7326.00         | Peak     | H               | -                   | -                          | -67.55               | 11.28       | 50.73                   | 73.98          | -23.25      |
| 12210.00        | Avg      | H               | -                   | -                          | -82.68               | 18.58       | 42.90                   | 53.98          | -11.08      |
| 12210.00        | Peak     | H               | -                   | -                          | -71.28               | 18.58       | 54.30                   | 73.98          | -19.68      |

**Table 7-18. Radiated Measurements SISO ANT1**

|                                         |                                                                                                                               |                            |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT (CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018                                                                                                | EUT Type:<br>Tablet Device | Page 104 of 157                 |

Worst Case Mode: 802.11b  
 Worst Case Transfer Rate: 1 Mbps  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2472MHz  
 Channel: 13

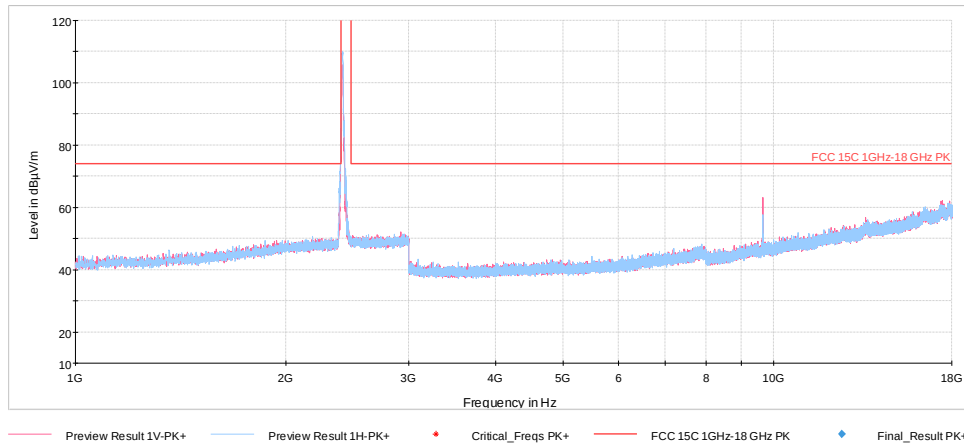
| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | Limit [dBμV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| 4944.00         | Avg      | H               | 221                 | 148                        | -79.93               | 7.52        | 34.59                   | 53.98          | -19.39      |
| 4944.00         | Peak     | H               | 221                 | 148                        | -67.59               | 7.52        | 46.93                   | 73.98          | -27.05      |
| 7416.00         | Avg      | H               | 244                 | 168                        | -80.02               | 11.71       | 38.69                   | 53.98          | -15.29      |
| 7416.00         | Peak     | H               | 244                 | 168                        | -68.96               | 11.71       | 49.75                   | 73.98          | -24.23      |
| 12360.00        | Avg      | H               | -                   | -                          | -80.21               | 18.74       | 45.53                   | 53.98          | -8.45       |
| 12360.00        | Peak     | H               | -                   | -                          | -69.40               | 18.74       | 56.34                   | 73.98          | -17.64      |

**Table 7-19. Radiated Measurements SISO ANT1**

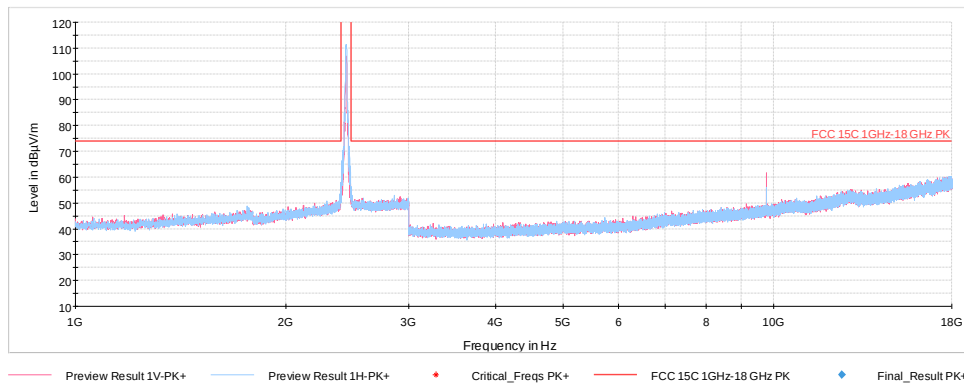
|                                         |                                                                                                                               |                            |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT (CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018                                                                                                | EUT Type:<br>Tablet Device | Page 105 of 157                 |

## 7.7.2 SISO Antenna-2 Radiated Spurious Emission Measurements

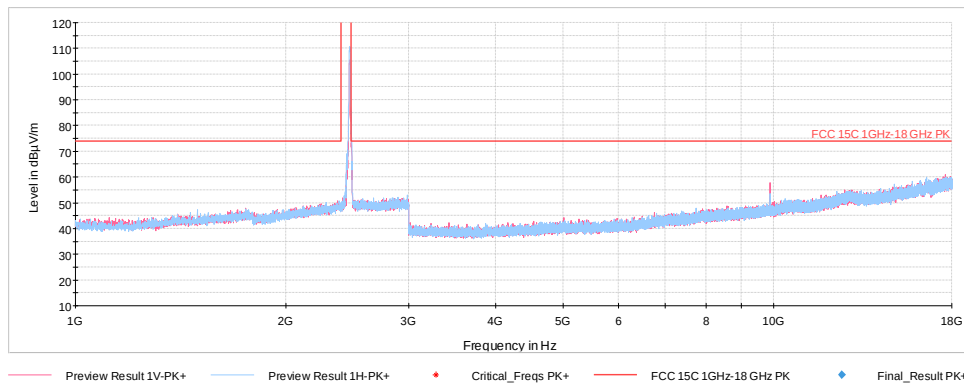
§15.247(d) §15.205 & §15.209; RSS-Gen [8.9]



**Plot 7-144. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11b – Ch. 1, Ant. Pol. H & V)**



**Plot 7-145. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11b – Ch. 7, Ant. Pol. H & V)**

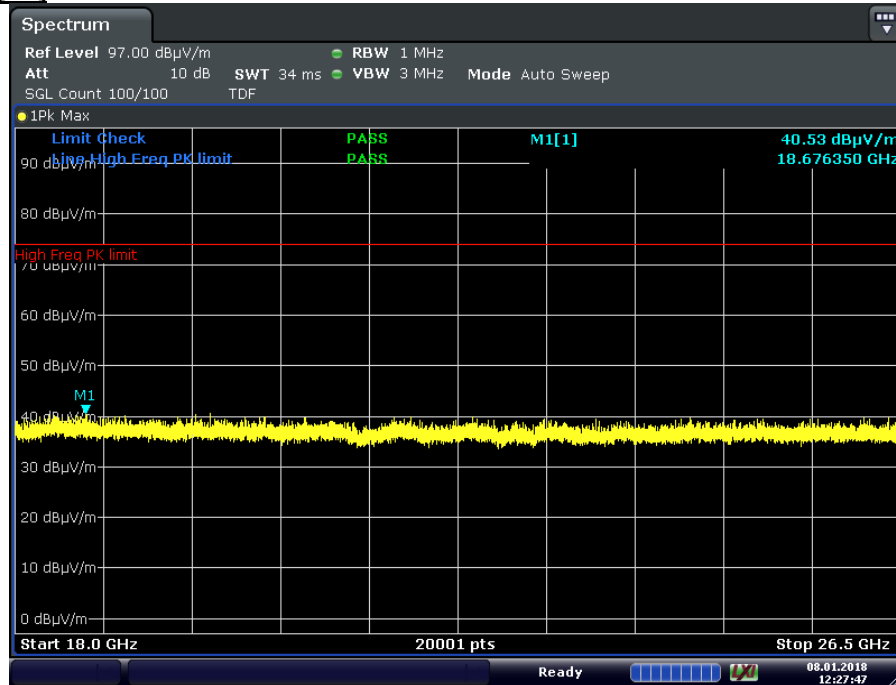


**Plot 7-146. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11b – Ch. 13, Ant. Pol. H & V)**

|                                         |                                                                                                                                   |                            |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018                                                                                                    | EUT Type:<br>Tablet Device | Page 106 of 157                 |

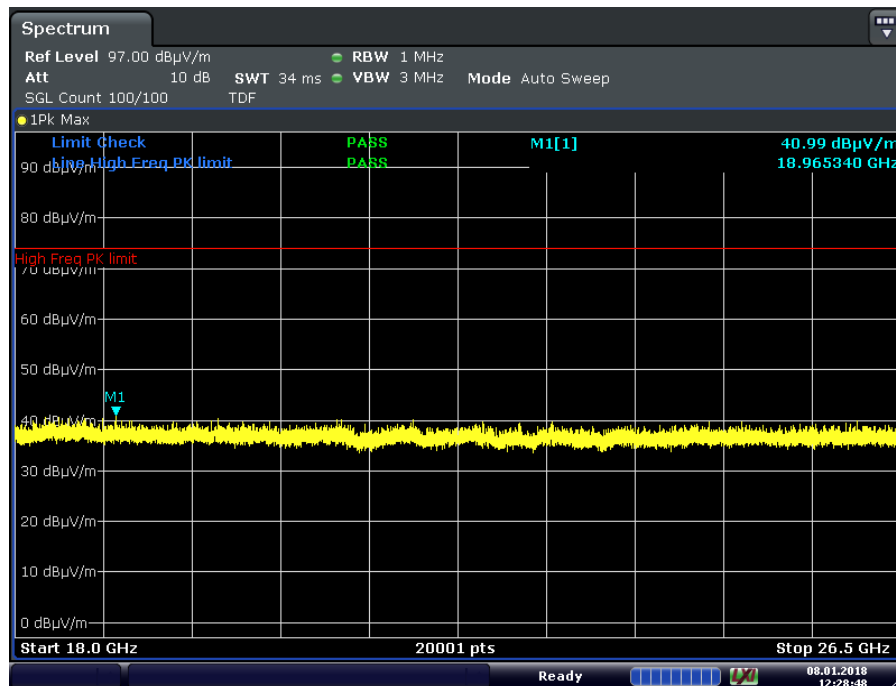
## SISO Antenna-2 Radiated Spurious Emissions Measurements (Above 18GHz)

§15.209; RSS-Gen [8.9]



Date: 8 JAN 2018 12:27:48

**Plot 7-147. Radiated Spurious Plot above 18GHz SISO ANT2 (802.11b – Ch. 7, Ant. Pol. H)**



Date: 8 JAN 2018 12:28:48

**Plot 7-148. Radiated Spurious Plot above 18GHz SISO ANT2 (802.11b – Ch. 7, Ant. Pol. V)**

|                                         |                                                                                                                                   |                            |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018                                                                                                    | EUT Type:<br>Tablet Device | Page 107 of 157                 |

## SISO Antenna-2 Radiated Spurious Emission Measurements

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

Worst Case Mode: 802.11b  
Worst Case Transfer Rate: 1 Mbps  
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      | H               | 255                 | 32                         | -78.50               | 6.93        | 35.43                   | 53.98          | -18.55      |
| 4824.00         | Peak     | H               | 255                 | 32                         | -67.66               | 6.93        | 46.27                   | 73.98          | -27.71      |
| 12060.00        | Avg      | H               | -                   | -                          | -79.78               | 18.23       | 45.45                   | 53.98          | -8.52       |
| 12060.00        | Peak     | H               | -                   | -                          | -68.48               | 18.23       | 56.75                   | 73.98          | -17.22      |

**Table 7-20. Radiated Measurements SISO ANT2**

Worst Case Mode: 802.11b  
Worst Case Transfer Rate: 1 Mbps  
Distance of Measurements: 3 Meters  
Operating Frequency: 2442MHz  
Channel: 07

| 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] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| 4884.00         | Avg      | H               | 253                 | 170                        | -77.69               | 7.02        | 36.33                   | 53.98          | -17.64      |
| 4884.00         | Peak     | H               | 253                 | 170                        | -67.73               | 7.02        | 46.29                   | 73.98          | -27.68      |
| 7326.00         | Avg      | H               | -                   | -                          | -78.78               | 11.28       | 39.50                   | 53.98          | -14.48      |
| 7326.00         | Peak     | H               | -                   | -                          | -67.55               | 11.28       | 50.73                   | 73.98          | -23.25      |
| 12210.00        | Avg      | H               | -                   | -                          | -82.68               | 18.58       | 42.90                   | 53.98          | -11.08      |
| 12210.00        | Peak     | H               | -                   | -                          | -71.28               | 18.58       | 54.30                   | 73.98          | -19.68      |

**Table 7-21. Radiated Measurements SISO ANT2**

|                                         |                                                                                                                               |                            |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT (CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018                                                                                                | EUT Type:<br>Tablet Device | Page 108 of 157                 |

Worst Case Mode: 802.11b  
 Worst Case Transfer Rate: 1 Mbps  
 Distance of Measurements: 3 Meters  
 Operating Frequency: 2472MHz  
 Channel: 13

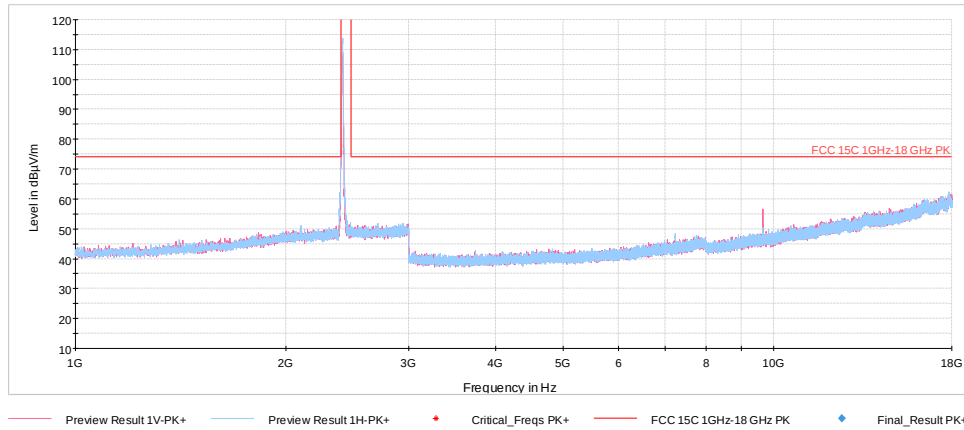
| Frequency [MHz] | Detector | Ant. Pol. [H/V] | Antenna Height [cm] | Turntable Azimuth [degree] | Analyzer Level [dBm] | AFCL [dB/m] | Field Strength [dBμV/m] | Limit [dBμV/m] | Margin [dB] |
|-----------------|----------|-----------------|---------------------|----------------------------|----------------------|-------------|-------------------------|----------------|-------------|
| 4944.00         | Avg      | H               | 162                 | 78                         | -78.95               | 7.52        | 35.57                   | 53.98          | -18.41      |
| 4944.00         | Peak     | H               | 162                 | 78                         | -67.61               | 7.52        | 46.91                   | 73.98          | -27.07      |
| 7416.00         | Avg      | H               | 246                 | 102                        | -74.82               | 11.71       | 43.89                   | 53.98          | -10.09      |
| 7416.00         | Peak     | H               | 246                 | 102                        | -65.92               | 11.71       | 52.79                   | 73.98          | -21.19      |
| 12360.00        | Avg      | H               | -                   | -                          | -82.05               | 18.74       | 43.69                   | 53.98          | -10.29      |
| 12360.00        | Peak     | H               | -                   | -                          | -70.92               | 18.74       | 54.82                   | 73.98          | -19.16      |

**Table 7-22. Radiated Measurements SISO ANT2**

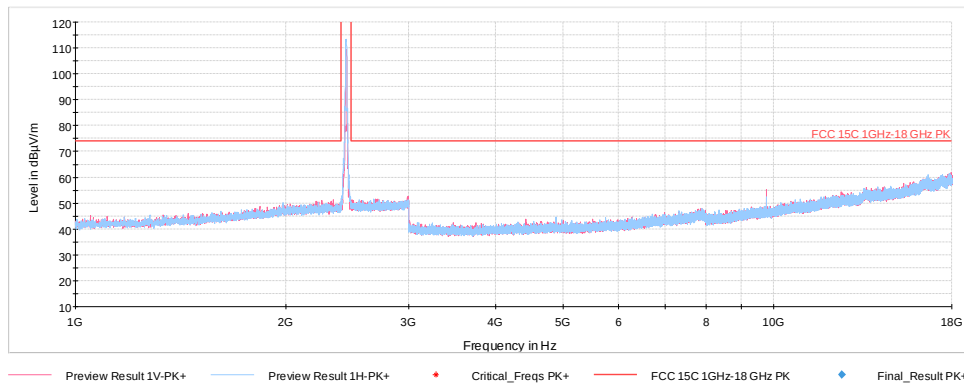
|                                         |                                                                                                                               |                            |                                 |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT (CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018                                                                                                | EUT Type:<br>Tablet Device | Page 109 of 157                 |

### 7.7.3 MIMO Radiated Spurious Emission Measurements

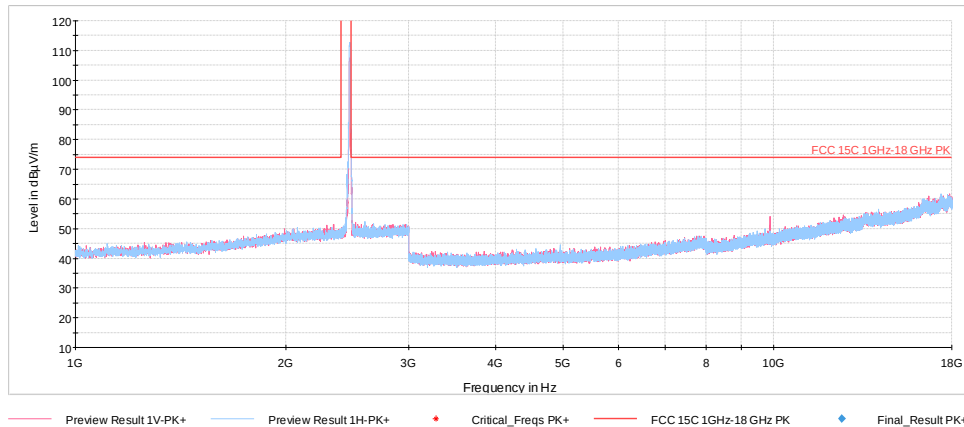
§15.247(d) §15.205 & §15.209; RSS-Gen [8.9]



**Plot 7-149. Radiated Spurious Plot above 1GHz MIMO (802.11b – Ch. 1, Ant. Pol. H & V)**



**Plot 7-150. Radiated Spurious Plot above 1GHz MIMO (802.11b – Ch. 7, Ant. Pol. H & V)**



**Plot 7-151. Radiated Spurious Plot above 1GHz MIMO (802.11b – Ch. 13, Ant. Pol. H & V)**

|                                         |                                                                                                                                   |                            |                                 |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|
| FCC ID: BCGA1954                        |  <b>MEASUREMENT REPORT<br/>(CERTIFICATION)</b> |                            | Approved by:<br>Quality Manager |
| Test Report S/N:<br>1C1710060006-05.BCG | Test Dates:<br>10/31-2/17/2018                                                                                                    | EUT Type:<br>Tablet Device | Page 110 of 157                 |