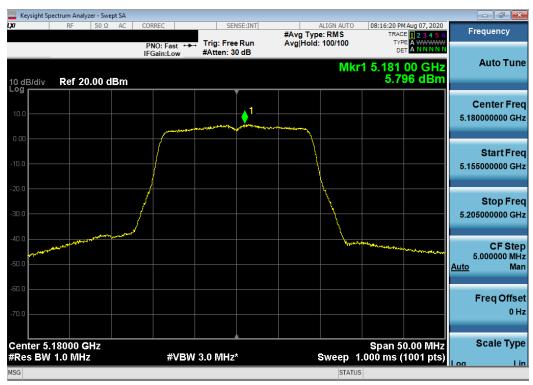


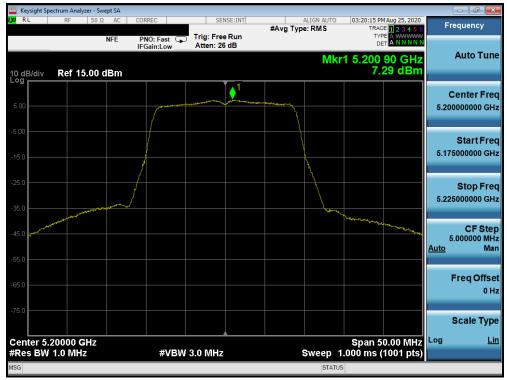
Plot 7-120. Power Spectral Density Plot SISO ANT2 (802.11a (UNII Band 1) - Ch. 48)



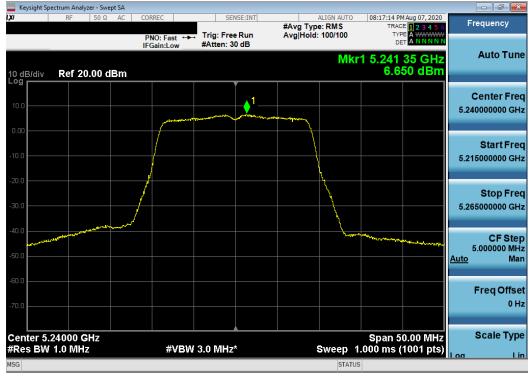
Plot 7-121. Power Spectral Density Plot SISO ANT2 (20MHz BW 802.11n (UNII Band 1) - Ch. 36)

| FCC ID: ZNFK920AM | Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|-----------------------------|------------------------------------|------------------------------|
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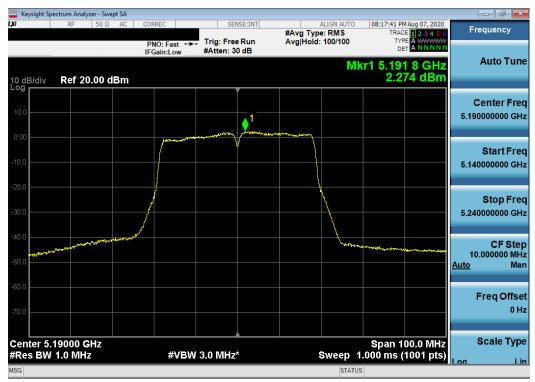
Plot 7-122. Power Spectral Density Plot SISO ANT2 (20MHz BW 802.11n (UNII Band 1) - Ch. 40)



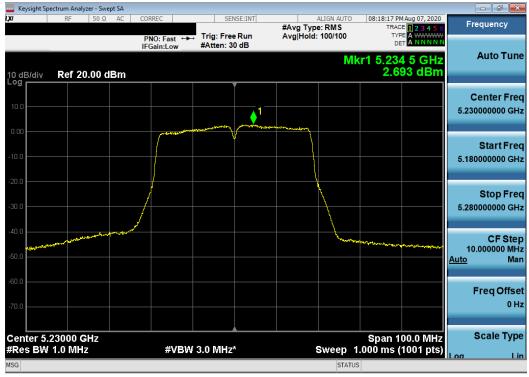
Plot 7-123. Power Spectral Density Plot SISO ANT2 (20MHz BW 802.11n (UNII Band 1) - Ch. 48)

| FCC ID: ZNFK920AM | Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|-----------------------------|------------------------------------|------------------------------|
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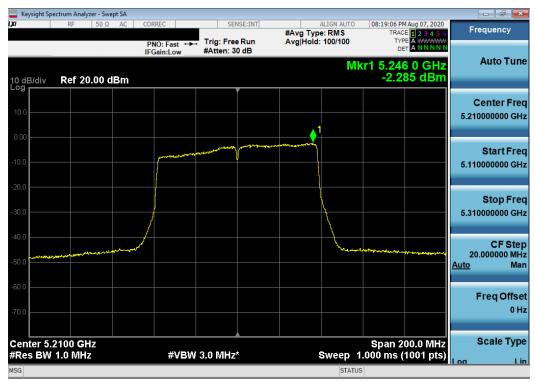
Plot 7-124. Power Spectral Density Plot SISO ANT2 (40MHz BW 802.11n (UNII Band 1) - Ch. 38)



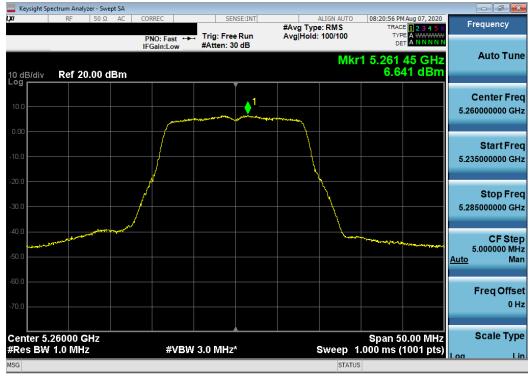
Plot 7-125. Power Spectral Density Plot SISO ANT2 (40MHz BW 802.11n (UNII Band 1) - Ch. 46)

| FCC ID: ZNFK920AM | Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
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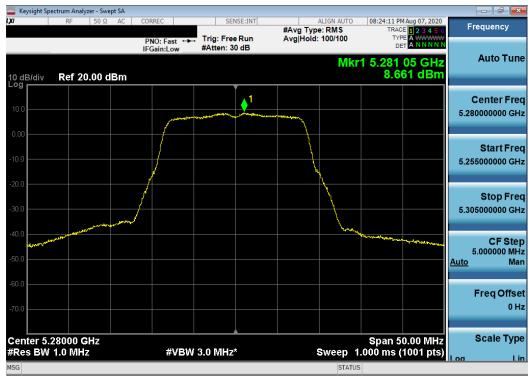
Plot 7-126. Power Spectral Density Plot SISO ANT2 (80MHz BW 802.11ac (UNII Band 1) - Ch. 42)



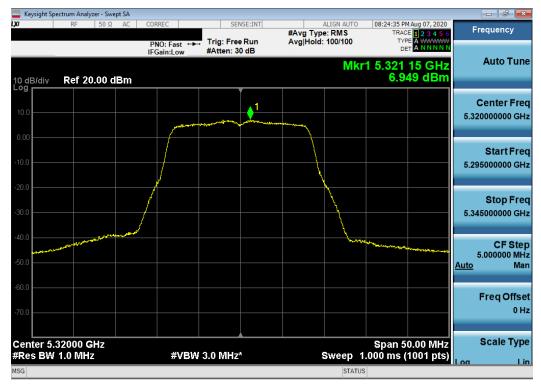
Plot 7-127. Power Spectral Density Plot SISO ANT2 (802.11a (UNII Band 2A) - Ch. 52)

| FCC ID: ZNFK920AM | PCTEST* Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | (LG | Approved by: Quality Manager |
|---------------------|-------------------------------------|---------------------------------------|-------------|------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | | Dago 02 of 167 |
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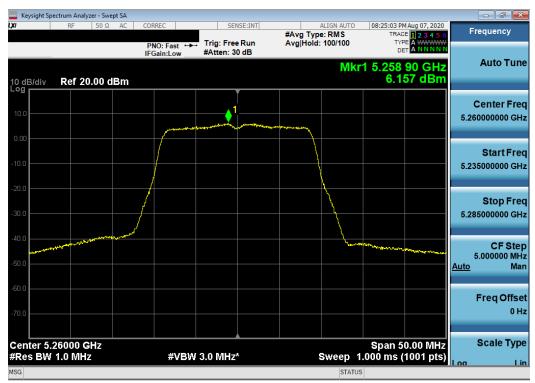
Plot 7-128. Power Spectral Density Plot SISO ANT2 (802.11a (UNII Band 2A) - Ch. 56)



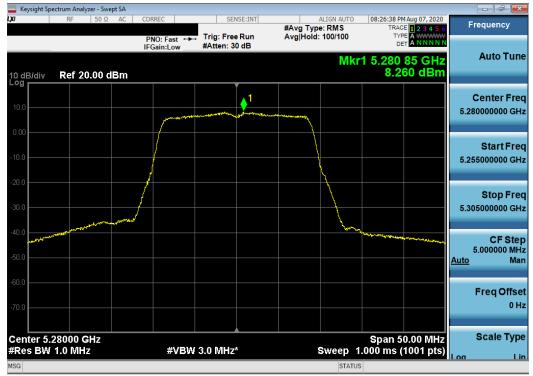
Plot 7-129. Power Spectral Density Plot SISO ANT2 (802.11a (UNII Band 2A) - Ch. 64)

| FCC ID: ZNFK920AM | PCTEST* Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|-------------------------------------|------------------------------------|------------------------------|
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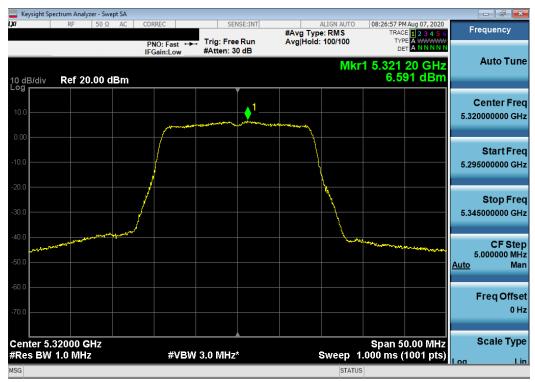
Plot 7-130. Power Spectral Density Plot SISO ANT2 (20MHz BW 802.11n (UNII Band 2A) - Ch. 52)



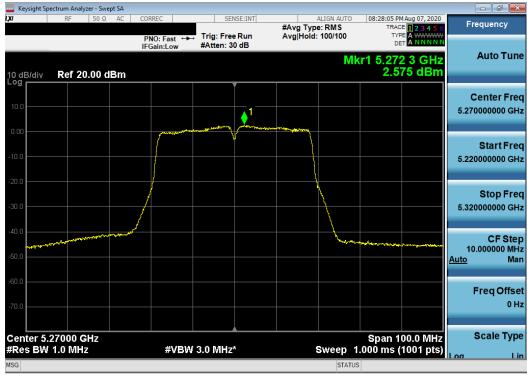
Plot 7-131. Power Spectral Density Plot SISO ANT2 (20MHz BW 802.11n (UNII Band 2A) - Ch. 56)

| FCC ID: ZNFK920AM | Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
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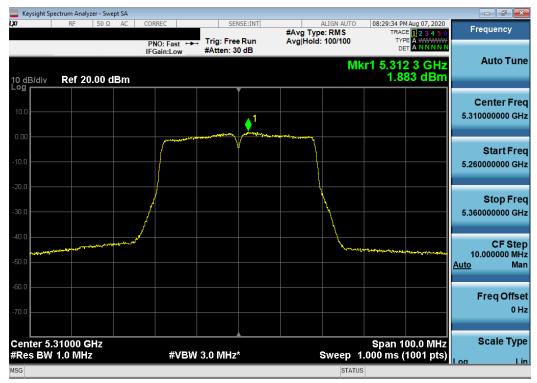
Plot 7-132. Power Spectral Density Plot SISO ANT2 (20MHz BW 802.11n (UNII Band 2A) - Ch. 64)



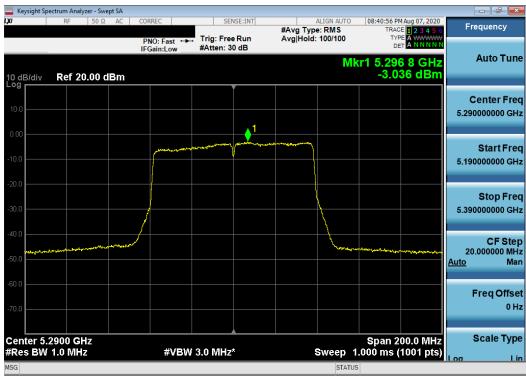
Plot 7-133. Power Spectral Density Plot SISO ANT2 (40MHz BW 802.11n (UNII Band 2A) - Ch. 54)

| FCC ID: ZNFK920AM | PCTEST* Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|-------------------------------------|------------------------------------|------------------------------|
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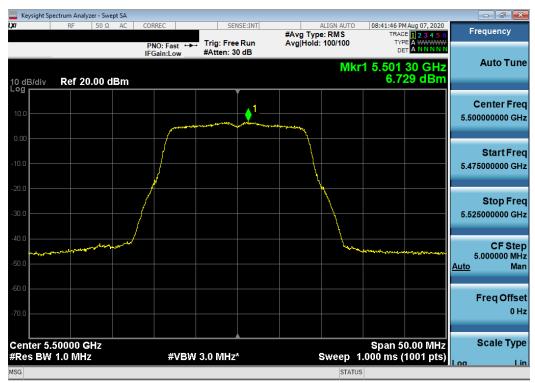
Plot 7-134. Power Spectral Density Plot SISO ANT2 (40MHz BW 802.11n (UNII Band 2A) - Ch. 62)



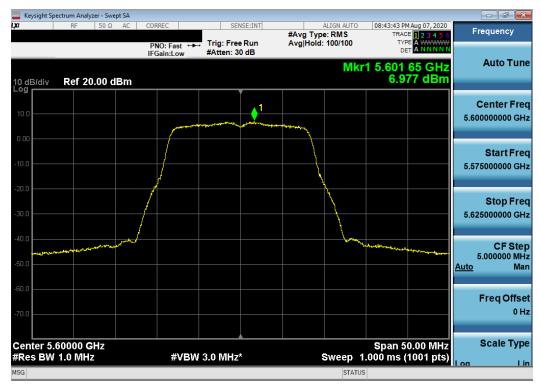
Plot 7-135. Power Spectral Density Plot SISO ANT2 (80MHz BW 802.11ac (UNII Band 2A) - Ch. 58)

| FCC ID: ZNFK920AM | PCTEST* Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|-------------------------------------|------------------------------------|------------------------------|
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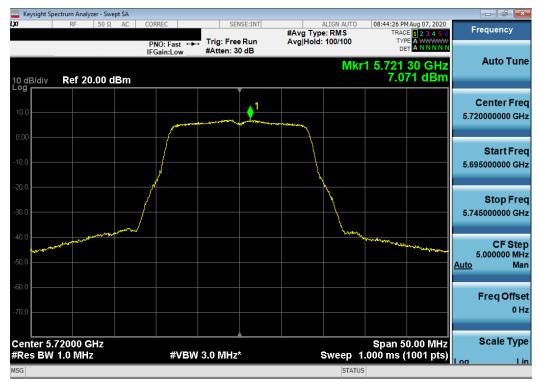
Plot 7-136. Power Spectral Density Plot SISO ANT2 (802.11a (UNII Band 2C) - Ch. 100)



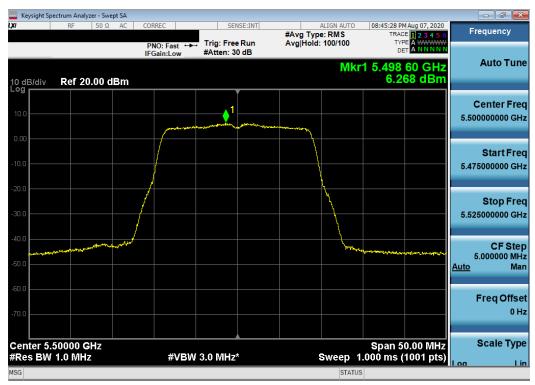
Plot 7-137. Power Spectral Density Plot SISO ANT2 (802.11a (UNII Band 2C) - Ch. 120

| FCC ID: ZNFK920AM | Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | ⊕ LG | Approved by: Quality Manager |
|---------------------|-----------------------------|---------------------------------------|-------------|------------------------------|
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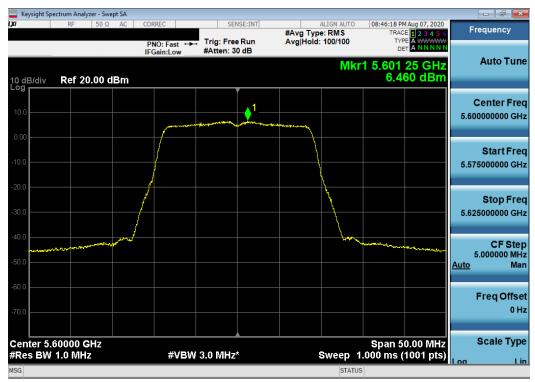
Plot 7-138. Power Spectral Density Plot SISO ANT2 (802.11a (UNII Band 2C) - Ch. 140



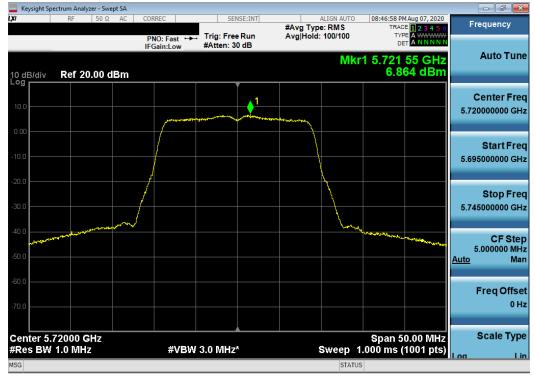
Plot 7-139. Power Spectral Density Plot SISO ANT2 (20MHz BW 802.11n (UNII Band 2C) - Ch. 100)

| FCC ID: ZNFK920AM | Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|-----------------------------|------------------------------------|------------------------------|
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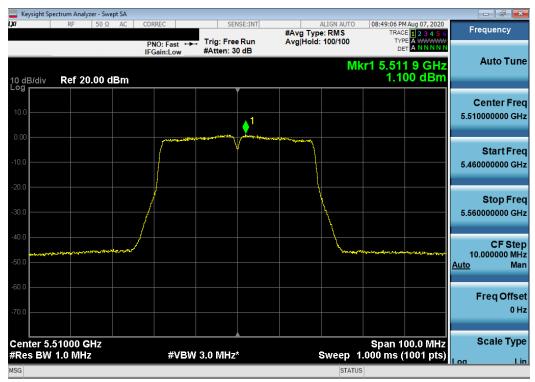
Plot 7-140. Power Spectral Density Plot SISO ANT2 (20MHz BW 802.11n (UNII Band 2C) - Ch. 120)



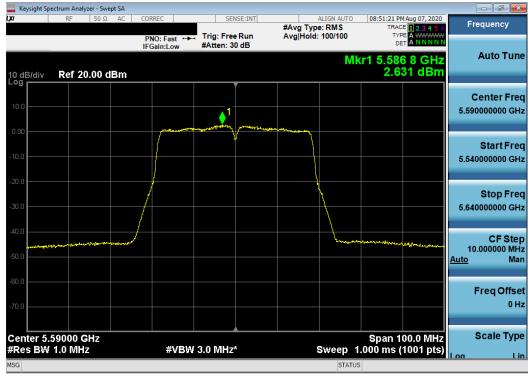
Plot 7-141. Power Spectral Density Plot SISO ANT2 (20MHz BW 802.11n (UNII Band 2C) - Ch. 144)

| FCC ID: ZNFK920AM | PCTEST* Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
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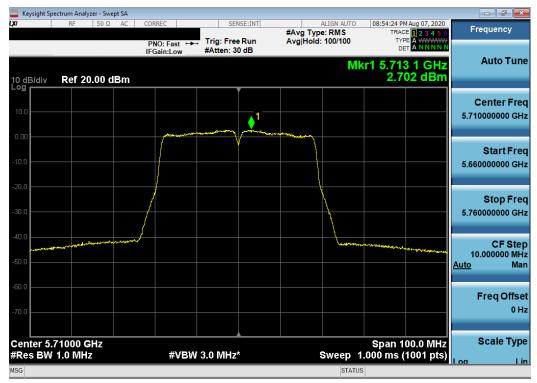
Plot 7-142. Power Spectral Density Plot SISO ANT2 (40MHz BW 802.11n (UNII Band 2C) - Ch. 102)



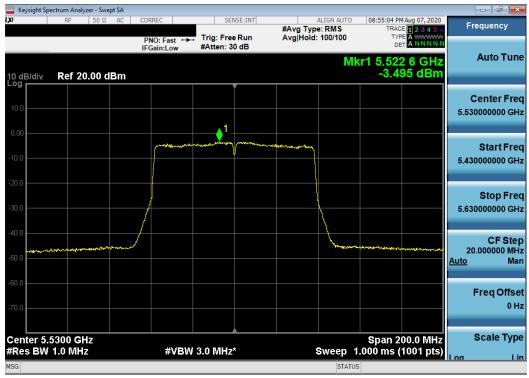
Plot 7-143. Power Spectral Density Plot SISO ANT2 (40MHz BW 802.11n (UNII Band 2C) - Ch. 118)

| FCC ID: ZNFK920AM | PCTEST* Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|-------------------------------------|------------------------------------|------------------------------|
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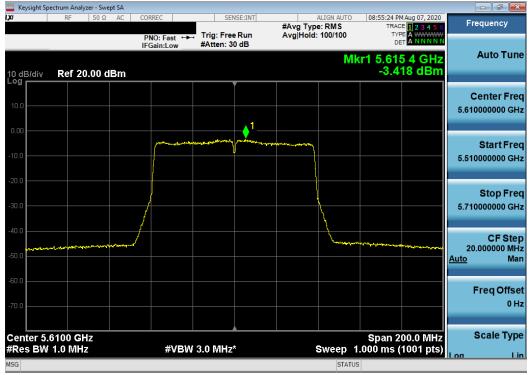
Plot 7-144. Power Spectral Density Plot SISO ANT2 (40MHz BW 802.11n (UNII Band 2C) - Ch. 142)



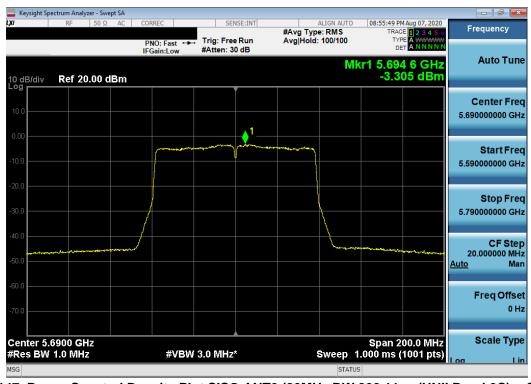
Plot 7-145. Power Spectral Density Plot SISO ANT2 (80MHz BW 802.11ac (UNII Band 2C) - Ch. 106)

| FCC ID: ZNFK920AM | PCTEST* Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
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Plot 7-146. Power Spectral Density Plot SISO ANT2 (80MHz BW 802.11ac (UNII Band 2C) - Ch. 122)



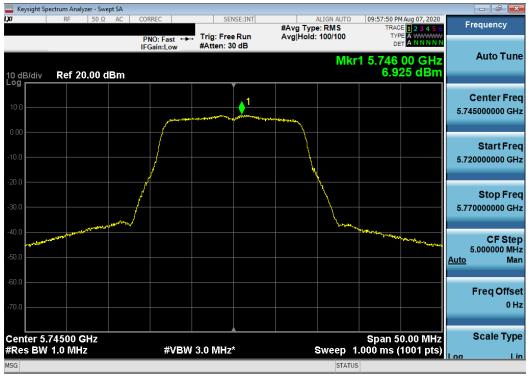
Plot 7-147. Power Spectral Density Plot SISO ANT2 (80MHz BW 802.11ac (UNII Band 2C) - Ch. 138)

| FCC ID: ZNFK920AM | PCTEST* Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | ⊕ LG | Approved by: Quality Manager |
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| | Frequency [MHz] | Channel No. | 802.11 Mode | Data Rate [Mbps] | Measured Power Density [dBm] | Max Permissible Power Density [dBm/500kHz] | Margin [dB] |
|------|-----------------|----------------|-------------|------------------|------------------------------|--|----------------|
| | 5745 | 149 | а | 6 | 6.93 | 30.0 | -23.08 |
| | 5785 | 157 | а | 6 | 9.07 | 30.0 | -20.93 |
| | 5825 | 165 | а | 6 | 8.80 | 30.0 | -21.21 |
| က | 5745 | 149 | n (20MHz) | 6.5/7.2 (MCS0) | 6.67 | 30.0 | -23.33 |
| Band | 5785 | 157 | n (20MHz) | 6.5/7.2 (MCS0) | 8.72 | 30.0 | -21.29 |
| ä | 5825 | 165 | n (20MHz) | 6.5/7.2 (MCS0) | 8.28 | 30.0 | -21.72 |
| | 5755 | 151 | n (40MHz) | 13.5/15 (MCS0) | 2.71 | 30.0 | -27.29 |
| | 5795 | 159 | n (40MHz) | 13.5/15 (MCS0) | 2.89 | 30.0 | -27.11 |
| | 5775 | 155 | ac (80MHz) | 29.3/32.5 (MCS0) | -2.55 | 30.0 | -32.55 |

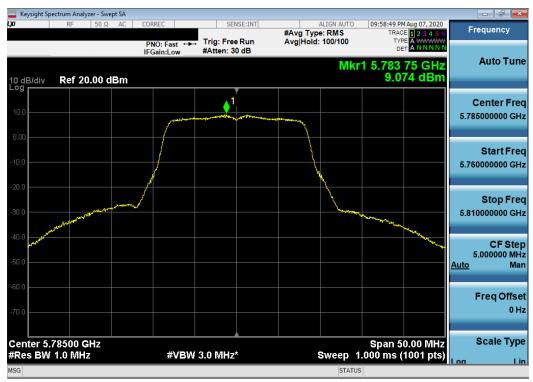
Table 7-21. Band 3 Conducted Power Spectral Density Measurements SISO ANT2



Plot 7-148. Power Spectral Density Plot SISO ANT2 (802.11a (UNII Band 3) - Ch. 149)

| FCC ID: ZNFK920AM | PCTEST° Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|-------------------------------------|------------------------------------|------------------------------|
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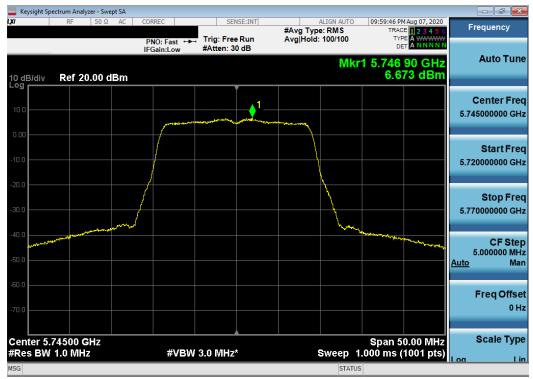
Plot 7-149. Power Spectral Density Plot SISO ANT2 (802.11a (UNII Band 3) - Ch. 157)



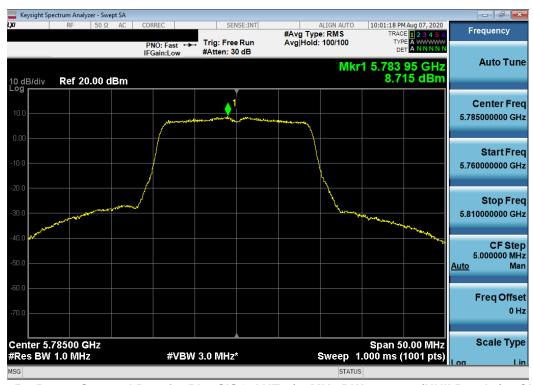
Plot 7-150. Power Spectral Density Plot SISO ANT2 (802.11a (UNII Band 3) - Ch. 165)

| FCC ID: ZNFK920AM | PCTEST* Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|-------------------------------------|------------------------------------|------------------------------|
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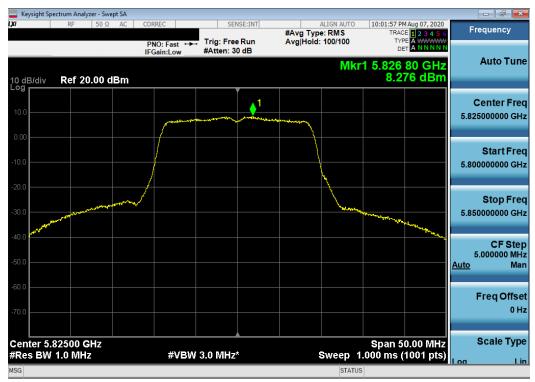
Plot 7-151. Power Spectral Density Plot SISO ANT2 (20MHz BW 802.11n (UNII Band 3) - Ch. 149)



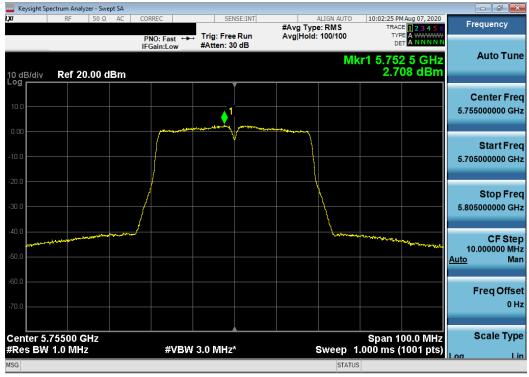
Plot 7-152. Power Spectral Density Plot SISO ANT2 (20MHz BW 802.11n (UNII Band 3) - Ch. 157)

| FCC ID: ZNFK920AM | PCTEST* Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|-------------------------------------|------------------------------------|------------------------------|
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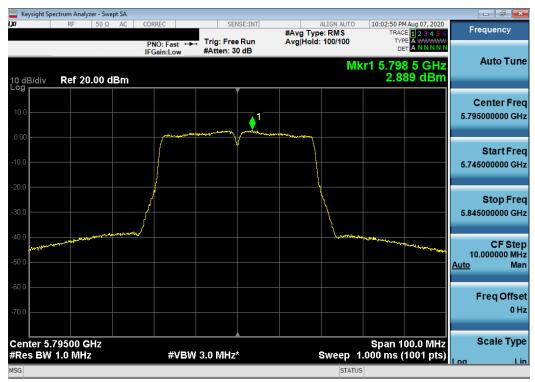
Plot 7-153. Power Spectral Density Plot SISO ANT2 (20MHz BW 802.11n (UNII Band 3) - Ch. 165)



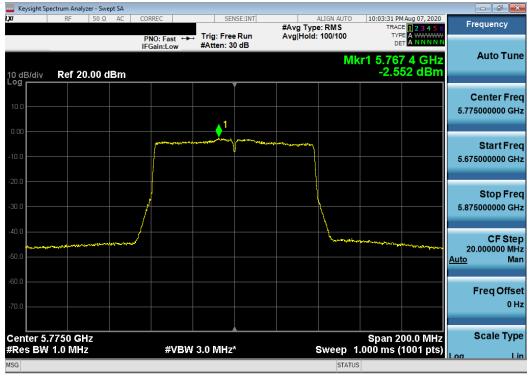
Plot 7-154. Power Spectral Density Plot SISO ANT2 (40MHz BW 802.11n (UNII Band 3) - Ch. 151)

| FCC ID: ZNFK920AM | PCTEST* Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|-------------------------------------|------------------------------------|------------------------------|
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Plot 7-155. Power Spectral Density Plot SISO ANT2 (40MHz BW 802.11n (UNII Band 3) - Ch. 159)



Plot 7-156. Power Spectral Density Plot SISO ANT2 (80MHz BW 802.11ac (UNII Band 3) - Ch. 155)

| FCC ID: ZNFK920AM | PCTEST* Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | (LG | Approved by: Quality Manager |
|---------------------|-------------------------------------|---------------------------------------|-------------|------------------------------|
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Summed MIMO Power Spectral Density Measurements

| | Frequency [MHz] | Channel No. | 802.11 Mode | Data Rate [Mbps] | Antenna-1 Power Density [dBm] | | Summed MIMO Power Density [dBm] | Max Power Density [dBm/MHz] | Margin [dB] |
|---------|-----------------|----------------|-------------|------------------|-------------------------------------|-------|---------------------------------------|-----------------------------------|----------------|
| Band 1 | 5180 | 36 | а | 6 | 6.55 | 6.34 | 9.45 | 11.0 | -1.55 |
| | 5200 | 40 | а | 6 | 5.90 | 7.84 | 9.99 | 11.0 | -1.01 |
| | 5240 | 48 | а | 6 | 6.51 | 6.74 | 9.63 | 11.0 | -1.37 |
| | 5180 | 36 | n (20MHz) | 6.5/7.2 (MCS0) | 6.07 | 5.80 | 8.95 | 11.0 | -2.05 |
| and de | 5200 | 40 | n (20MHz) | 6.5/7.2 (MCS0) | 8.08 | 7.29 | 10.71 | 11.0 | -0.29 |
| ä | 5240 | 48 | n (20MHz) | 6.5/7.2 (MCS0) | 6.10 | 6.65 | 9.39 | 11.0 | -1.61 |
| | 5190 | 38 | n (40MHz) | 13.5/15 (MCS0) | 2.22 | 2.27 | 5.26 | 11.0 | -5.74 |
| | 5230 | 46 | n (40MHz) | 13.5/15 (MCS0) | 2.52 | 2.69 | 5.62 | 11.0 | -5.38 |
| | 5210 | 42 | ac (80MHz) | 29.3/32.5 (MCS0) | -3.60 | -2.29 | 0.12 | 11.0 | -10.88 |
| | 5260 | 52 | а | 6 | 6.51 | 6.64 | 9.59 | 11.0 | -1.41 |
| | 5280 | 56 | а | 6 | 6.20 | 8.66 | 10.61 | 11.0 | -0.39 |
| | 5320 | 64 | а | 6 | 6.92 | 6.95 | 9.94 | 11.0 | -1.06 |
| 2× | 5260 | 52 | n (20MHz) | 6.5/7.2 (MCS0) | 6.12 | 6.16 | 9.15 | 11.0 | -1.85 |
| Band 2A | 5280 | 56 | n (20MHz) | 6.5/7.2 (MCS0) | 7.20 | 8.26 | 10.77 | 11.0 | -0.23 |
| Ва | 5320 | 64 | n (20MHz) | 6.5/7.2 (MCS0) | 6.55 | 6.59 | 9.58 | 11.0 | -1.42 |
| | 5270 | 54 | n (40MHz) | 13.5/15 (MCS0) | 2.80 | 2.58 | 5.70 | 11.0 | -5.30 |
| | 5310 | 62 | n (40MHz) | 13.5/15 (MCS0) | 1.53 | 1.88 | 4.72 | 11.0 | -6.28 |
| | 5290 | 58 | ac (80MHz) | 29.3/32.5 (MCS0) | -3.78 | -3.04 | -0.38 | 11.0 | -11.38 |
| | 5500 | 100 | а | 6 | 6.43 | 6.73 | 9.59 | 11.0 | -1.41 |
| | 5600 | 120 | а | 6 | 6.50 | 6.98 | 9.75 | 11.0 | -1.25 |
| | 5720 | 144 | а | 6 | 7.10 | 7.07 | 10.10 | 11.0 | -0.90 |
| | 5500 | 100 | n (20MHz) | 6.5/7.2 (MCS0) | 6.08 | 6.27 | 9.18 | 11.0 | -1.82 |
| O | 5600 | 120 | n (20MHz) | 6.5/7.2 (MCS0) | 6.13 | 6.46 | 9.31 | 11.0 | -1.69 |
| d 20 | 5720 | 144 | n (20MHz) | 6.5/7.2 (MCS0) | 6.74 | 6.86 | 9.81 | 11.0 | -1.19 |
| Band 2C | 5510 | 102 | n (40MHz) | 13.5/15 (MCS0) | 0.35 | 1.10 | 3.75 | 11.0 | -7.25 |
| Ш | 5590 | 118 | n (40MHz) | 13.5/15 (MCS0) | 2.15 | 2.63 | 5.41 | 11.0 | -5.59 |
| | 5710 | 142 | n (40MHz) | 13.5/15 (MCS0) | 2.94 | 2.70 | 5.83 | 11.0 | -5.17 |
| | 5530 | 106 | ac (80MHz) | 29.3/32.5 (MCS0) | -3.50 | -3.50 | -0.49 | 11.0 | -11.49 |
| | 5610 | 122 | ac (80MHz) | 29.3/32.5 (MCS0) | -4.01 | -3.42 | -0.69 | 11.0 | -11.69 |
| | 5690 | 138 | ac (80MHz) | 29.3/32.5 (MCS0) | -2.94 | -3.31 | -0.11 | 11.0 | -11.11 |

Table 7-22. Bands 1, 2A, 2C MIMO Conducted Power Spectral Density Measurements

| | Frequency [MHz] | Channel No. | 802.11 Mode | Data Rate [Mbps] | Antenn-1 Power Density [dBm] | Antenn-2 Power Density [dBm] | Summed MIMO Power Density [dBm] | Max Permissible Power Density [dBm/500kHz] | Margin [dB] |
|------|-----------------|----------------|-------------|------------------|------------------------------------|------------------------------------|---------------------------------------|--|----------------|
| | 5745 | 149 | а | 6 | 7.17 | 6.93 | 10.06 | 30.0 | -19.94 |
| | 5785 | 157 | а | 6 | 8.64 | 9.07 | 11.87 | 30.0 | -18.13 |
| | 5825 | 165 | а | 6 | 8.67 | 8.80 | 11.74 | 30.0 | -18.26 |
| က | 5745 | 149 | n (20MHz) | 6.5/7.2 (MCS0) | 6.83 | 6.67 | 9.76 | 30.0 | -20.24 |
| Band | 5785 | 157 | n (20MHz) | 6.5/7.2 (MCS0) | 8.33 | 8.72 | 11.53 | 30.0 | -18.47 |
| ä | 5825 | 165 | n (20MHz) | 6.5/7.2 (MCS0) | 8.35 | 8.28 | 11.32 | 30.0 | -18.68 |
| | 5755 | 151 | n (40MHz) | 13.5/15 (MCS0) | 2.70 | 2.71 | 5.71 | 30.0 | -24.29 |
| | 5795 | 159 | n (40MHz) | 13.5/15 (MCS0) | 2.65 | 2.89 | 5.78 | 30.0 | -24.22 |
| | 5775 | 155 | ac (80MHz) | 29.3/32.5 (MCS0) | -3.23 | -2.55 | 0.13 | 30.0 | -29.87 |

Table 7-23. Band 3 MIMO Conducted Power Spectral Density Measurements

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Note:

Per ANSI C63.10-2013 Section 14.3.2.2 and KDB 662911 v02r01 Section E)2), the power spectral density at Antenna 1 and Antenna 2 were first measured separately as shown in the section above. The measured values were then summed in linear power units then converted back to dBm.

Sample MIMO Calculation:

At 5180MHz in 802.11n (20MHz BW) mode, the average conducted power spectral density was measured to be 6.07 dBm for Antenna-1 and 5.80 dBm for Antenna-2.

Antenna 1 + Antenna 2 = MIMO

(6.07 dBm + 5.80 dBm) = (4.05 mW + 3.80 mW) = 7.85 mW = 8.95 dBm

| FCC ID: ZNFK920AM | PCTEST* Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | 🕒 LG | Approved by: Quality Manager |
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7.6 Radiated Spurious Emission Measurements – Above 1GHz §15.407(b) §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 its maximum power control level, as defined in ANSI C63.10-2013 and KDB 789033 D02 v02r01, and at the appropriate frequencies. All channels, modes (e.g. 802.11a, 802.11n (20MHz BW), 802.11n (40MHz BW), and 802.11ac (80MHz)), and modulations/data rates were investigated among all UNII bands. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

For transmitters operating in the 5.15-5.25 GHz and 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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 7-24 per Section 15.209 and RSS-Gen (8.9).

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

Table 7-24. Radiated Limits

Test Procedures Used

ANSI C63.10-2013 – Sections 12.7.7.2, 12.7.6, 12.7.5 KDB 789033 D02 v02r01 – Section G

Test Settings

Average Measurements above 1GHz (Method AD)

- 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 > 2 x span/RBW)
- Averaging type = power (RMS)
- 7. Sweep time = auto couple
- 8. Trace was averaged over 100 sweeps

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Peak Measurements above 1GHz

- 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

Peak Measurements below 1GHz

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. Span was set greater than 1MHz
- 3. RBW = 120kHz
- 4. Detector = CISPR quasi-peak
- 5. Sweep time = auto couple
- 6. Trace was allowed to stabilize

Test Setup

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

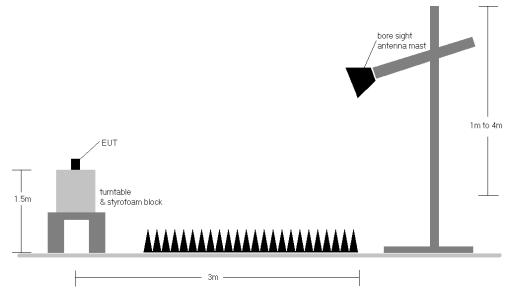


Figure 7-5. Test Instrument & Measurement Setup

| FCC ID: ZNFK920AM | PCTEST* Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | ⊕ LG | Approved by: Quality Manager |
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Test Notes

- 1. All emissions that lie in the restricted bands (denoted by a * next to the frequency) specified in §15.205 and Section 8.10 of RSS-Gen are below the limit shown in Table 7-24.
- 2. All spurious emissions lying in restricted bands specified in §15.205 and Section 8.10 of RSS-Gen are below the limit shown in Table 7-24. All spurious emissions that do not lie in a restricted band are subject to a peak limit of -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBμV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBμV/m.
- 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 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 [dBμV/m] = Analyzer Level [dBm] + 107 + AFCL [dB/m]
- AFCL [dB/m] = Antenna Factor [dB/m] + Cable Loss [dB]
- o Margin [dB] = Field Strength Level [dB μ V/m] Limit [dB μ V/m]

Radiated Band Edge Measurement Offset

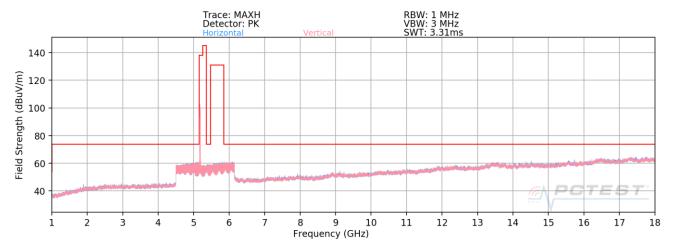
 The amplitude offset shown in the radiated restricted band edge plots was calculated using the formula:

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

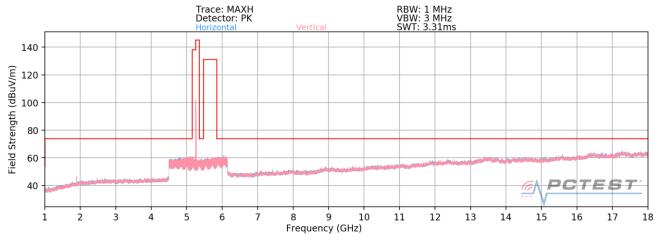
| FCC ID: ZNFK920AM | Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
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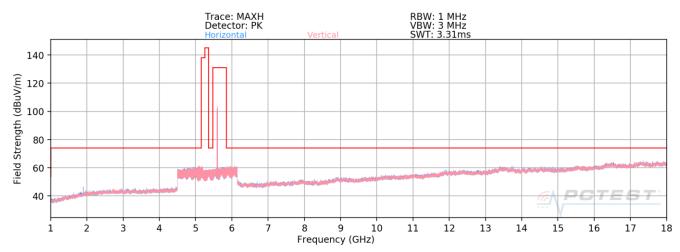
7.6.1 SISO Antenna-1 Radiated Spurious Emission Measurements



Plot 7-157. Radiated Spurious Plot above 1GHz SISO ANT1 (802.11a - U1 Ch. 40)



Plot 7-158. Radiated Spurious Plot above 1GHz SISO ANT1 (802.11a - U2A Ch. 56)



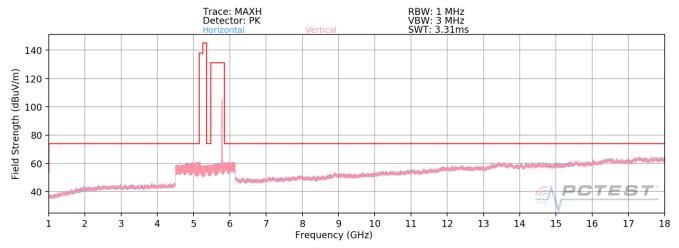
Plot 7-159. Radiated Spurious Plot above 1GHz SISO ANT1 (802.11a - U2C Ch. 116

| FCC ID: ZNFK920AM | PCTEST* Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | ⊕ LG | Approved by: Quality Manager |
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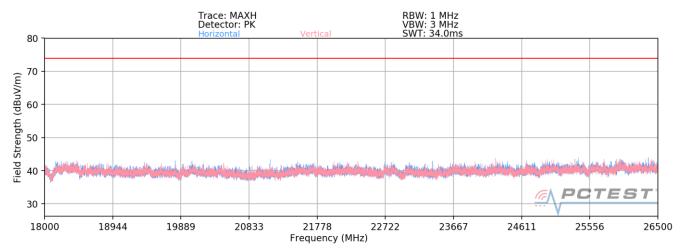


Plot 7-160. Radiated Spurious Plot above 1GHz SISO ANT1 (802.11a - U3 Ch. 157)

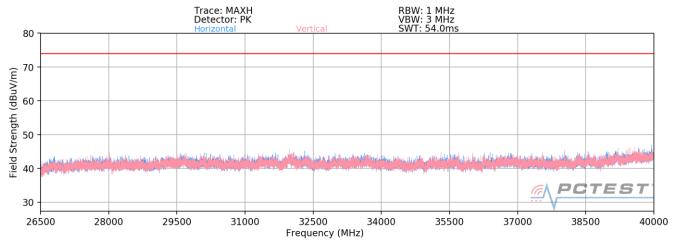
| FCC ID: ZNFK920AM | Proud to be part of @ element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
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SISO Antenna-1 Radiated Spurious Emissions Measurements (Above 18GHz)



Plot 7-161. Radiated Spurious Plot 18GHz - 26.5GHz SISO ANT1 (802.11a)



Plot 7-162. Radiated Spurious Plot 26.5GHz - 40GHz SISO ANT1 (802.11a)

| FCC ID: ZNFK920AM | Proud to be part of @ element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
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SISO Antenna-1 Radiated Spurious Emission Measurements

§15.407(b) §15.205 & §15.209; RSS-Gen [8.9]

Worst Case Mode: 802.11a
Worst Case Transfer Rate: 6Mbps
Distance of Measurements: 1 & 3 Meters
Operating Frequency: 5180MHz

Channel: 36

| 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] |
|--------------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 10360.00 | Peak | Н | - | - | -71.02 | 13.20 | 49.18 | 68.20 | -19.02 |
| 15540.00 | Average | Н | - | - | -82.26 | 15.57 | 40.31 | 53.98 | -13.67 |
| 15540.00 | Peak | Н | - | - | -72.11 | 15.57 | 50.46 | 73.98 | -23.52 |
| 20720.00 | Average | Н | - | - | -60.10 | -3.74 | 33.62 | 53.98 | -20.36 |
| 20720.00 | Peak | Н | - | - | -52.82 | -3.74 | 40.90 | 73.98 | -33.08 |
| 25900.00 | Peak | Н | - | - | -51.99 | -3.03 | 42.44 | 68.20 | -25.76 |

Table 7-25. Radiated Measurements SISO ANT1

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5200MHz

Channel: 40

| | unici. | | 40 | | | | | | |
|--------------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 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] |
| 10400.00 | Peak | Н | - | - | -69.98 | 13.04 | 50.06 | 68.20 | -18.14 |
| 15600.00 | Average | Н | - | - | -82.46 | 15.62 | 40.16 | 53.98 | -13.81 |
| 15600.00 | Peak | Н | - | - | -71.98 | 15.62 | 50.64 | 73.98 | -23.33 |
| 20800.00 | Average | Н | - | - | -59.98 | -3.76 | 33.72 | 53.98 | -20.26 |
| 20800.00 | Peak | Н | - | - | -52.57 | -3.76 | 41.13 | 73.98 | -32.85 |
| 26000.00 | Peak | Н | - | - | -50.43 | -2.81 | 44.22 | 68.20 | -23.98 |

Table 7-26. Radiated Measurements SISO ANT1

| FCC ID: ZNFK920AM | PCTEST* Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
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Worst Case Mode: 802.11a Worst Case Transfer Rate: 6Mbps Distance of Measurements: 1 & 3 Meters Operating Frequency: 5240MHz Channel: 48

| 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] |
|--------------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 10480.00 | Peak | Н | - | - | -71.39 | 13.14 | 48.75 | 68.20 | -19.45 |
| 15720.00 | Average | Н | - | - | -82.23 | 15.70 | 40.47 | 53.98 | -13.50 |
| 15720.00 | Peak | Н | - | - | -71.58 | 15.70 | 51.12 | 73.98 | -22.85 |
| 20960.00 | Average | Н | - | - | -59.54 | -3.71 | 34.21 | 53.98 | -19.77 |
| 20960.00 | Peak | Н | - | - | -52.78 | -3.71 | 40.97 | 73.98 | -33.01 |
| 26200.00 | Peak | Н | - | - | -51.30 | -2.65 | 43.50 | 68.20 | -24.70 |

Table 7-27. Radiated Measurements SISO ANT1

Worst Case Mode: 802.11a Worst Case Transfer Rate: 6Mbps Distance of Measurements: 1 & 3 Meters Operating Frequency: 5260MHz Channel: 52

| 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] |
|--------------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 10560.00 | Peak | Н | - | - | -71.56 | 13.82 | 49.26 | 68.20 | -18.94 |
| 15840.00 | Average | Н | - | - | -81.78 | 16.21 | 41.43 | 53.98 | -12.55 |
| 15840.00 | Peak | Н | - | - | -71.42 | 16.21 | 51.79 | 73.98 | -22.19 |
| 21120.00 | Average | Н | - | - | -59.94 | -3.66 | 33.86 | 53.98 | -20.12 |
| 21120.00 | Peak | Н | - | - | -53.03 | -3.66 | 40.77 | 73.98 | -33.21 |
| 26400.00 | Peak | Н | - | - | -50.95 | -2.63 | 43.88 | 68.20 | -24.32 |

Table 7-28. Radiated Measurements SISO ANT1

| FCC ID: ZNFK920AM | Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
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Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5280MHz

Channel: 56

| 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] |
|--------------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 10560.00 | Peak | Н | - | - | -71.56 | 13.82 | 49.26 | 68.20 | -18.94 |
| 15840.00 | Average | Н | - | - | -81.78 | 16.21 | 41.43 | 53.98 | -12.55 |
| 15840.00 | Peak | Н | - | - | -71.42 | 16.21 | 51.79 | 73.98 | -22.19 |
| 21120.00 | Average | Н | - | - | -59.94 | -3.66 | 33.86 | 53.98 | -20.12 |
| 21120.00 | Peak | Н | - | - | -53.03 | -3.66 | 40.77 | 73.98 | -33.21 |
| 26400.00 | Peak | Н | - | - | -50.95 | -2.63 | 43.88 | 68.20 | -24.32 |

Table 7-29. Radiated Measurements SISO ANT1

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5320MHz

Channel: 64

| 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] |
|--------------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 10640.00 | Average | Н | - | - | -81.09 | 13.62 | 39.53 | 53.98 | -14.45 |
| 10640.00 | Peak | Н | - | - | -70.84 | 13.62 | 49.78 | 73.98 | -24.20 |
| 15960.00 | Average | Н | - | - | -82.03 | 16.07 | 41.04 | 53.98 | -12.94 |
| 15960.00 | Peak | Н | - | - | -71.25 | 16.07 | 51.82 | 73.98 | -22.16 |
| 21280.00 | Average | Н | - | - | -60.02 | -3.58 | 33.85 | 53.98 | -20.13 |
| 21280.00 | Peak | Н | - | - | -52.20 | -3.58 | 41.67 | 73.98 | -32.31 |
| 26600.00 | Peak | Н | - | - | -51.43 | -2.25 | 43.78 | 68.20 | -24.42 |

Table 7-30. Radiated Measurements SISO ANT1

| FCC ID: ZNFK920AM | Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
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Worst Case Mode: 802.11a Worst Case Transfer Rate: 6Mbps Distance of Measurements: 1 & 3 Meters Operating Frequency: 5500MHz Channel: 100

| 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] |
|--------------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 11000.00 | Average | Н | - | - | -81.61 | 13.61 | 39.00 | 53.98 | -14.98 |
| 11000.00 | Peak | Н | - | - | -71.51 | 13.61 | 49.10 | 73.98 | -24.88 |
| 16500.00 | Peak | Н | - | - | -70.80 | 15.92 | 52.12 | 68.20 | -16.08 |
| 22000.00 | Peak | Н | - | - | -52.26 | -3.43 | 41.77 | 68.20 | -26.43 |
| 27500.00 | Peak | Н | - | - | -52.04 | -2.72 | 42.70 | 68.20 | -25.50 |

Table 7-31. Radiated Measurements SISO ANT1

Worst Case Mode: 802.11a Worst Case Transfer Rate: 6Mbps Distance of Measurements: 1 & 3 Meters Operating Frequency: 5580MHz Channel: 116

| 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] |
|--------------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 11160.00 | Average | Н | - | - | -81.50 | 14.40 | 39.90 | 53.98 | -14.08 |
| 11160.00 | Peak | Н | - | - | -71.37 | 14.40 | 50.03 | 73.98 | -23.95 |
| 16740.00 | Peak | Н | - | - | -71.59 | 16.65 | 52.06 | 68.20 | -16.14 |
| 22320.00 | Average | Н | - | - | -59.06 | -3.59 | 34.80 | 53.98 | -19.18 |
| 22320.00 | Peak | Н | - | - | -51.57 | -3.59 | 42.29 | 73.98 | -31.69 |
| 27900.00 | Peak | Н | - | - | -51.52 | -2.12 | 43.82 | 68.20 | -24.38 |

Table 7-32. Radiated Measurements SISO ANT1

| FCC ID: ZNFK920AM | PCTEST° Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
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Worst Case Mode: 802.11a Worst Case Transfer Rate: 6Mbps Distance of Measurements: 1 & 3 Meters Operating Frequency: 5700z Channel: 140

| 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] |
|--------------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 11440.00 | Average | Н | - | - | -81.91 | 14.84 | 39.93 | 53.98 | -14.05 |
| 11440.00 | Peak | Н | - | - | -71.73 | 14.84 | 50.11 | 73.98 | -23.87 |
| 17160.00 | Peak | Н | - | - | -72.00 | 17.81 | 52.81 | 68.20 | -15.39 |
| 22880.00 | Average | Н | - | - | -59.21 | -3.38 | 34.87 | 53.98 | -19.11 |
| 22880.00 | Peak | Н | - | - | -51.71 | -3.38 | 42.37 | 73.98 | -31.61 |
| 28600.00 | Peak | Н | - | - | -52.60 | -2.02 | 42.84 | 68.20 | -25.36 |

Table 7-33. Radiated Measurements SISO ANT1

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

1 & 3 Meters Distance of Measurements: Operating Frequency: 5745MHz

Channel: 149

| 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] |
|--------------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 11490.00 | Average | Н | - | - | -82.18 | 14.48 | 39.30 | 53.98 | -14.68 |
| 11490.00 | Peak | Н | - | - | -71.77 | 14.48 | 49.71 | 73.98 | -24.27 |
| 17235.00 | Peak | Н | - | - | -71.68 | 18.39 | 53.71 | 68.20 | -14.49 |
| 22980.00 | Average | Н | - | - | -59.30 | -3.46 | 34.70 | 53.98 | -19.28 |
| 22980.00 | Peak | Н | - | - | -51.99 | -3.46 | 42.01 | 73.98 | -31.97 |
| 28725.00 | Peak | Н | - | - | -51.38 | -2.02 | 44.05 | 68.20 | -24.15 |

Table 7-34, Radiated Measurements SISO ANT1

| FCC ID: ZNFK920AM | PCTEST* Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | LG | Approved by: Quality Manager |
|---------------------|-------------------------------------|---------------------------------------|----|------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | | Page 121 of 167 |
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Worst Case Mode:

Worst Case Transfer Rate:

Distance of Measurements:

Operating Frequency:

Channel:

802.11a

6Mbps

1 & 3 Meters

5785MHz

157

| 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] |
|--------------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 11570.00 | Average | Н | - | - | -81.35 | 15.15 | 40.80 | 53.98 | -13.18 |
| 11570.00 | Peak | Н | - | - | -71.56 | 15.15 | 50.59 | 73.98 | -23.39 |
| 17355.00 | Peak | Н | - | - | -71.28 | 19.75 | 55.47 | 68.20 | -12.73 |
| 23140.00 | Peak | Н | - | - | -51.37 | -3.47 | 42.62 | 68.20 | -25.58 |
| 28925.00 | Peak | Н | - | - | -52.13 | -2.31 | 43.02 | 68.20 | -25.18 |

Table 7-35. Radiated Measurements SISO ANT1

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5825MHz

Channel: 165

| 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] |
|--------------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 11650.00 | Average | Н | - | - | -81.34 | 14.49 | 40.15 | 53.98 | -13.83 |
| 11650.00 | Peak | Н | - | - | -70.92 | 14.49 | 50.57 | 73.98 | -23.41 |
| 17475.00 | Peak | Н | - | - | -72.52 | 21.13 | 55.61 | 68.20 | -12.59 |
| 23300.00 | Peak | Н | - | - | -51.90 | -3.52 | 42.04 | 68.20 | -26.16 |
| 29125.00 | Peak | Н | - | - | -51.23 | -1.91 | 44.32 | 68.20 | -23.88 |

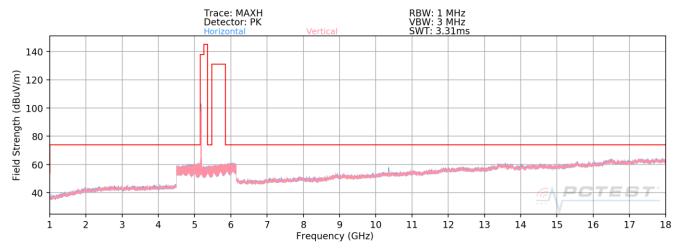
Table 7-36. Radiated Measurements SISO ANT1

| FCC ID: ZNFK920AM | PCTEST° Proud to be part of @ element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|---------------------------------------|------------------------------------|------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Dogg 122 of 167 |
| 1M2007130107-06.ZNF | 07/30/2020 - 09/03/2020 | Portable Handset | Page 122 of 167 |

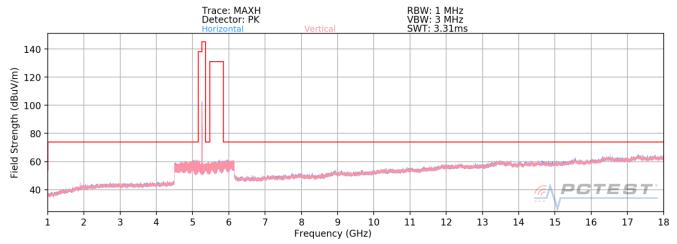
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7.6.2 SISO Antenna-2 Radiated Spurious Emission Measurements



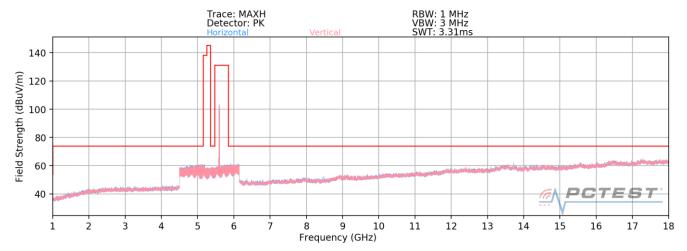
Plot 7-163. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11a - U1 Ch. 40)



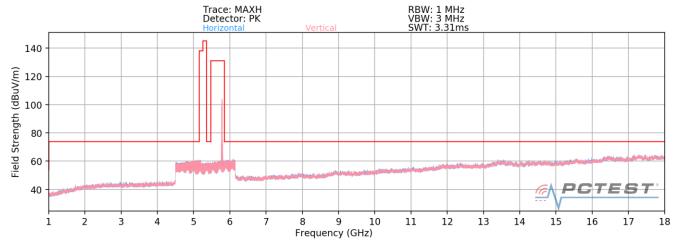
Plot 7-164. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11a - U2A Ch. 56)

| FCC ID: ZNFK920AM | PCTEST* Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|-------------------------------------|------------------------------------|------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Page 123 of 167 |
| 1M2007130107-06.ZNF | 07/30/2020 - 09/03/2020 | Portable Handset | Fage 123 01 167 |





Plot 7-165. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11a - U2C Ch. 116)

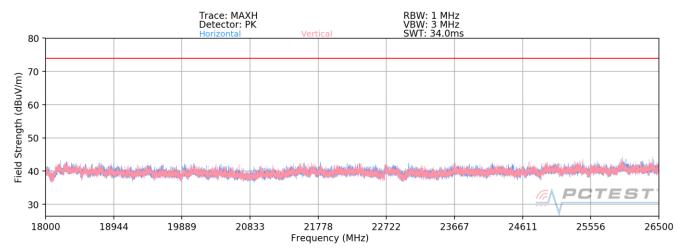


Plot 7-166. Radiated Spurious Plot above 1GHz SISO ANT2 (802.11a - U3 Ch. 157)

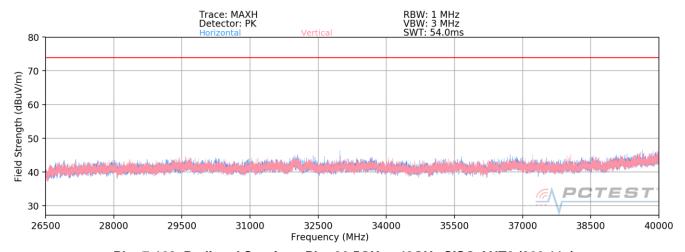
| FCC ID: ZNFK920AM | PCTEST* Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|-------------------------------------|------------------------------------|------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Dogo 124 of 167 |
| 1M2007130107-06.ZNF | 07/30/2020 - 09/03/2020 | Portable Handset | Page 124 of 167 |



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



Plot 7-167. Radiated Spurious Plot above 18GHz - 26.5GHz SISO ANT2 (802.11a)



Plot 7-168. Radiated Spurious Plot 26.5GHz - 40GHz SISO ANT2 (802.11a)

| FCC ID: ZNFK920AM | Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|-----------------------------|------------------------------------|------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Page 125 of 167 |
| 1M2007130107-06.ZNF | 07/30/2020 - 09/03/2020 | Portable Handset | Fage 125 01 167 |



SISO Antenna-2 Radiated Spurious Emission Measurements §15.407(b) §15.205 & §15.209; RSS-Gen [8.9]

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5180MHz

Channel: 36

| 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] |
|--------------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 10360.00 | Peak | ٧ | 100 | 87 | -66.24 | 13.20 | 53.96 | 68.20 | -14.24 |
| 15540.00 | Average | V | - | - | -82.30 | 15.57 | 40.27 | 53.98 | -13.71 |
| 15540.00 | Peak | V | - | - | -71.89 | 15.57 | 50.68 | 73.98 | -23.30 |
| 20720.00 | Average | V | - | - | -60.06 | -3.74 | 33.66 | 53.98 | -20.32 |
| 20720.00 | Peak | V | - | - | -52.00 | -3.74 | 41.72 | 73.98 | -32.26 |
| 25900.00 | Peak | V | - | - | -51.83 | -3.03 | 42.60 | 68.20 | -25.60 |

Table 7-37. Radiated Measurements SISO ANT2

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5200MHz

| Cite | uniei. | | 40 | | | | | | |
|--------------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 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] |
| 10400.00 | Peak | V | 100 | 76 | -64.25 | 13.04 | 55.79 | 68.20 | -12.41 |
| 15600.00 | Average | V | - | - | -82.45 | 15.62 | 40.17 | 53.98 | -13.80 |
| 15600.00 | Peak | V | - | - | -72.11 | 15.62 | 50.51 | 73.98 | -23.46 |
| 20800.00 | Average | V | - | - | -59.75 | -3.76 | 33.95 | 53.98 | -20.03 |
| 20800.00 | Peak | V | - | - | -52.57 | -3.76 | 41.13 | 73.98 | -32.85 |
| 26000.00 | Peak | V | - | - | -51.11 | -2.81 | 43.54 | 68.20 | -24.66 |

Table 7-38. Radiated Measurements SISO ANT2

| FCC ID: ZNFK920AM | PCTEST° Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|-------------------------------------|------------------------------------|------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Dogo 126 of 167 |
| 1M2007130107-06.ZNF | 07/30/2020 - 09/03/2020 | Portable Handset | Page 126 of 167 |



Worst Case Mode: 802.11a Worst Case Transfer Rate: 6Mbps Distance of Measurements: 1 & 3 Meters Operating Frequency: 5240MHz Channel: 48

| 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] |
|--------------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 10480.00 | Peak | ٧ | 100 | 72 | -68.20 | 13.14 | 51.94 | 68.20 | -16.26 |
| 15720.00 | Average | ٧ | - | - | -82.35 | 15.70 | 40.35 | 53.98 | -13.62 |
| 15720.00 | Peak | V | - | - | -72.16 | 15.70 | 50.54 | 73.98 | -23.43 |
| 20960.00 | Average | V | - | - | -59.41 | -3.71 | 34.34 | 53.98 | -19.64 |
| 20960.00 | Peak | V | - | - | -52.46 | -3.71 | 41.29 | 73.98 | -32.69 |
| 26200.00 | Peak | V | - | - | -51.56 | -2.65 | 43.24 | 68.20 | -24.96 |

Table 7-39. Radiated Measurements SISO ANT2

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

1 & 3 Meters Distance of Measurements: Operating Frequency: 5260MHz

| 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] |
|--------------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 10520.00 | Peak | V | 161 | 361 | -67.03 | 13.01 | 52.98 | 68.20 | -15.22 |
| 15780.00 | Average | V | - | - | -82.71 | 16.29 | 40.58 | 53.98 | -13.40 |
| 15780.00 | Peak | V | - | - | -71.92 | 16.29 | 51.37 | 73.98 | -22.61 |
| 21040.00 | Average | V | - | - | -59.76 | -3.87 | 33.83 | 53.98 | -20.15 |
| 21040.00 | Peak | V | - | - | -52.07 | -3.87 | 41.52 | 73.98 | -32.46 |
| 26300.00 | Peak | V | - | - | -51.29 | -2.82 | 43.35 | 68.20 | -24.85 |

Table 7-40. Radiated Measurements SISO ANT2

| FCC ID: ZNFK920AM | Proud to be part of @ element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|-------------------------------|------------------------------------|------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Daga 127 of 167 |
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Worst Case Mode: 802.11a Worst Case Transfer Rate: 6Mbps Distance of Measurements: 1 & 3 Meters Operating Frequency: 5280MHz

Channel: 56

| 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] |
|--------------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 10560.00 | Peak | ٧ | 149 | 0 | -67.37 | 13.82 | 53.45 | 68.20 | -14.75 |
| 15840.00 | Average | V | - | - | -82.03 | 16.21 | 41.18 | 53.98 | -12.80 |
| 15840.00 | Peak | V | - | - | -71.17 | 16.21 | 52.04 | 73.98 | -21.94 |
| 21120.00 | Average | V | - | - | -59.95 | -3.66 | 33.85 | 53.98 | -20.13 |
| 21120.00 | Peak | V | - | - | -52.99 | -3.66 | 40.81 | 73.98 | -33.17 |
| 26400.00 | Peak | V | - | - | -50.98 | -2.63 | 43.85 | 68.20 | -24.35 |

Table 7-41. Radiated Measurements SISO ANT2

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters Operating Frequency: 5320MHz

Channel: 64

| 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] |
|--------------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 10640.00 | Average | > | 136 | 322 | -80.76 | 13.62 | 39.86 | 53.98 | -14.12 |
| 10640.00 | Peak | ٧ | 136 | 322 | -70.45 | 13.62 | 50.17 | 73.98 | -23.81 |
| 15960.00 | Average | V | - | - | -82.35 | 16.07 | 40.72 | 53.98 | -13.26 |
| 15960.00 | Peak | V | - | - | -71.93 | 16.07 | 51.14 | 73.98 | -22.84 |
| 21280.00 | Average | V | - | - | -60.08 | -3.58 | 33.79 | 53.98 | -20.19 |
| 21280.00 | Peak | V | - | - | -52.39 | -3.58 | 41.48 | 73.98 | -32.50 |
| 26600.00 | Peak | V | - | - | -51.32 | -2.25 | 43.89 | 68.20 | -24.31 |

Table 7-42. Radiated Measurements SISO ANT2

| FCC ID: ZNFK920AM | PCTEST* Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|-------------------------------------|------------------------------------|------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Dogo 129 of 167 |
| 1M2007130107-06.ZNF | 07/30/2020 - 09/03/2020 | Portable Handset | Page 128 of 167 |



Worst Case Mode: 802.11a Worst Case Transfer Rate: 6Mbps Distance of Measurements: 1 & 3 Meters Operating Frequency: 5500MHz Channel: 100

| 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] |
|--------------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 11000.00 | Average | V | 100 | 0 | -77.57 | 13.61 | 43.04 | 53.98 | -10.94 |
| 11000.00 | Peak | ٧ | 100 | 0 | -67.08 | 13.61 | 53.53 | 73.98 | -20.45 |
| 16500.00 | Peak | V | - | - | -71.34 | 15.92 | 51.58 | 68.20 | -16.62 |
| 22000.00 | Peak | V | - | - | -52.19 | -3.43 | 41.84 | 68.20 | -26.36 |
| 27500.00 | Peak | V | - | - | -51.88 | -2.72 | 42.86 | 68.20 | -25.34 |

Table 7-43. Radiated Measurements SISO ANT2

Worst Case Mode: 802.11a Worst Case Transfer Rate: 6Mbps Distance of Measurements: 1 & 3 Meters 5580MHz

Operating Frequency: Channel: 116

| 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] |
|--------------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 11160.00 | Average | V | 106 | 346 | -75.25 | 14.40 | 46.15 | 53.98 | -7.83 |
| 11160.00 | Peak | V | 106 | 346 | -64.11 | 14.40 | 57.29 | 73.98 | -16.69 |
| 16740.00 | Peak | V | - | - | -72.19 | 16.65 | 51.46 | 68.20 | -16.74 |
| 22320.00 | Average | V | - | - | -59.04 | -3.59 | 34.82 | 53.98 | -19.16 |
| 22320.00 | Peak | V | - | - | -51.69 | -3.59 | 42.17 | 73.98 | -31.81 |
| 27900.00 | Peak | V | - | - | -51.26 | -2.12 | 44.08 | 68.20 | -24.12 |

Table 7-44, Radiated Measurements SISO ANT2

| FCC ID: ZNFK920AM | PCTEST° Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|-------------------------------------|------------------------------------|------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Page 129 of 167 |
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Worst Case Mode:

Worst Case Transfer Rate:

Distance of Measurements:

Operating Frequency:

Channel:

802.11a

6Mbps

1 & 3 Meters

5700MHz

140

| 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] |
|--------------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 11440.00 | Average | V | 164 | 359 | -76.84 | 14.84 | 45.00 | 53.98 | -8.98 |
| 11440.00 | Peak | ٧ | 164 | 359 | -67.77 | 14.84 | 54.07 | 73.98 | -19.91 |
| 17160.00 | Peak | V | - | - | -72.09 | 17.81 | 52.72 | 68.20 | -15.48 |
| 22880.00 | Average | V | - | - | -59.16 | -3.38 | 34.92 | 53.98 | -19.06 |
| 22880.00 | Peak | V | - | - | -51.79 | -3.38 | 42.29 | 73.98 | -31.69 |
| 28600.00 | Peak | V | - | - | -52.09 | -2.02 | 43.35 | 68.20 | -24.85 |

Table 7-45. Radiated Measurements SISO ANT2

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5745MHz

| 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] |
|--------------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 11490.00 | Average | V | 147 | 358 | -79.99 | 14.48 | 41.49 | 53.98 | -12.49 |
| 11490.00 | Peak | V | 147 | 358 | -70.29 | 14.48 | 51.19 | 73.98 | -22.79 |
| 17235.00 | Peak | V | - | - | -71.83 | 18.39 | 53.56 | 68.20 | -14.64 |
| 22980.00 | Average | V | - | - | -59.33 | -3.46 | 34.67 | 53.98 | -19.31 |
| 22980.00 | Peak | V | - | - | -52.27 | -3.46 | 41.73 | 73.98 | -32.25 |
| 28725.00 | Peak | V | - | - | -50.94 | -2.02 | 44.49 | 68.20 | -23.71 |

Table 7-46. Radiated Measurements SISO ANT2

| FCC ID: ZNFK920AM | PCTEST* Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|-------------------------------------|------------------------------------|------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Dogo 120 of 167 |
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Worst Case Mode:

Worst Case Transfer Rate:

Distance of Measurements:

Operating Frequency:

Channel:

802.11a

6Mbps

1 & 3 Meters

5785MHz

157

| 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] |
|--------------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 11570.00 | Average | V | 106 | 354 | -75.01 | 15.15 | 47.14 | 53.98 | -6.84 |
| 11570.00 | Peak | V | 106 | 354 | -62.05 | 15.15 | 60.10 | 73.98 | -13.88 |
| 17355.00 | Peak | V | - | - | -71.45 | 19.75 | 55.30 | 68.20 | -12.90 |
| 23140.00 | Peak | V | - | - | -52.22 | -3.47 | 41.77 | 68.20 | -26.43 |
| 28925.00 | Peak | V | - | - | -52.05 | -2.31 | 43.10 | 68.20 | -25.10 |

Table 7-47. Radiated Measurements SISO ANT2

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5825MHz

Channel: 165

| 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] |
|--------------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 11650.00 | Average | V | 215 | 345 | -76.02 | 14.49 | 45.47 | 53.98 | -8.51 |
| 11650.00 | Peak | ٧ | 215 | 345 | -63.61 | 14.49 | 57.88 | 73.98 | -16.10 |
| 17475.00 | Peak | V | - | - | -71.50 | 21.13 | 56.63 | 68.20 | -11.57 |
| 23300.00 | Peak | V | - | - | -52.32 | -3.52 | 41.62 | 68.20 | -26.58 |
| 29125.00 | Peak | V | - | - | -51.66 | -1.91 | 43.89 | 68.20 | -24.31 |

Table 7-48. Radiated Measurements SISO ANT2

| FCC ID: ZNFK920AM | PCTEST° Proud to be part of @ element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|---------------------------------------|------------------------------------|------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Dogg 124 of 167 |
| 1M2007130107-06.ZNF | 07/30/2020 - 09/03/2020 | Portable Handset | Page 131 of 167 |

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7.6.3 MIMO Radiated Spurious Emission Measurements §15.407(b) §15.205 & §15.209; RSS-Gen [8.9]

Worst Case Mode: 802.11a Worst Case Transfer Rate: 6Mbps Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5180MHz

Channel: 36

| 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] |
|--------------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 10360.00 | Peak | ٧ | 100 | 126 | -62.56 | 13.20 | 57.64 | 68.20 | -10.56 |
| 15540.00 | Average | V | - | - | -82.51 | 15.57 | 40.06 | 53.98 | -13.92 |
| 15540.00 | Peak | V | - | - | -72.03 | 15.57 | 50.54 | 73.98 | -23.44 |
| 20720.00 | Average | V | - | - | -60.03 | -3.74 | 33.69 | 53.98 | -20.29 |
| 20720.00 | Peak | V | - | - | -51.81 | -3.74 | 41.91 | 73.98 | -32.07 |
| 25900.00 | Peak | V | - | - | -51.62 | -3.03 | 42.81 | 68.20 | -25.39 |

Table 7-49. Radiated Measurements MIMO

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters Operating Frequency: 5200MHz

| - 0110 | u ii ici. | | 1 0 | | | | | | |
|--------------------|-----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 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] |
| 10400.00 | Peak | V | 103 | 109 | -63.94 | 13.04 | 56.10 | 68.20 | -12.10 |
| 15600.00 | Average | V | - | - | -82.63 | 15.62 | 39.99 | 53.98 | -13.98 |
| 15600.00 | Peak | V | - | - | -71.87 | 15.62 | 50.75 | 73.98 | -23.22 |
| 20800.00 | Average | V | - | - | -59.87 | -3.76 | 33.83 | 53.98 | -20.15 |
| 20800.00 | Peak | V | - | - | -52.04 | -3.76 | 41.66 | 73.98 | -32.32 |
| 26000.00 | Peak | V | - | - | -51.31 | -2.81 | 43.34 | 68.20 | -24.86 |

Table 7-50. Radiated Measurements MIMO

| FCC ID: ZNFK920AM | Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|-----------------------------|------------------------------------|------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Daga 122 of 167 |
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Worst Case Mode:

Worst Case Transfer Rate:

Distance of Measurements:

Operating Frequency:

Channel:

802.11a

6Mbps

1 & 3 Meters

5240MHz

48

| 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] |
|--------------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 10480.00 | Peak | ٧ | 101 | 90 | -69.42 | 13.14 | 50.72 | 68.20 | -17.48 |
| 15720.00 | Average | ٧ | - | - | -82.49 | 15.70 | 40.21 | 53.98 | -13.76 |
| 15720.00 | Peak | V | - | - | -71.19 | 15.70 | 51.51 | 73.98 | -22.46 |
| 20960.00 | Average | V | - | - | -59.45 | -3.71 | 34.30 | 53.98 | -19.68 |
| 20960.00 | Peak | V | - | - | -51.23 | -3.71 | 42.52 | 73.98 | -31.46 |
| 26200.00 | Peak | V | - | - | -51.07 | -2.65 | 43.73 | 68.20 | -24.47 |

Table 7-51. Radiated Measurements MIMO

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5260MHz

| 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] |
|--------------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 10520.00 | Peak | ٧ | 166 | 61 | -68.06 | 13.01 | 51.95 | 68.20 | -16.25 |
| 15780.00 | Average | V | - | - | -82.48 | 16.29 | 40.81 | 53.98 | -13.17 |
| 15780.00 | Peak | V | - | - | -71.90 | 16.29 | 51.39 | 73.98 | -22.59 |
| 21040.00 | Average | V | - | - | -59.55 | -3.87 | 34.04 | 53.98 | -19.94 |
| 21040.00 | Peak | V | - | - | -51.90 | -3.87 | 41.69 | 73.98 | -32.29 |
| 26300.00 | Peak | ٧ | - | - | -51.49 | -2.82 | 43.15 | 68.20 | -25.05 |

Table 7-52. Radiated Measurements MIMO

| FCC ID: ZNFK920AM | PCTEST* Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|-------------------------------------|------------------------------------|------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Page 133 of 167 |
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Worst Case Mode:

Worst Case Transfer Rate:

Distance of Measurements:

Operating Frequency:

Channel:

802.11a

6Mbps

1 & 3 Meters

5280MHz

56

| 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] |
|--------------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 10560.00 | Peak | V | 155 | 55 | -68.12 | 13.82 | 52.70 | 68.20 | -15.50 |
| 15840.00 | Average | V | - | - | -82.09 | 16.21 | 41.12 | 53.98 | -12.86 |
| 15840.00 | Peak | V | - | - | -71.77 | 16.21 | 51.44 | 73.98 | -22.54 |
| 21120.00 | Average | V | - | - | -59.93 | -3.66 | 33.87 | 53.98 | -20.11 |
| 21120.00 | Peak | V | - | - | -52.57 | -3.66 | 41.23 | 73.98 | -32.75 |
| 26400.00 | Peak | V | - | - | -51.36 | -2.63 | 43.47 | 68.20 | -24.73 |

Table 7-53. Radiated Measurements MIMO

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5320MHz

| Char | ii ici. | | 04 | | | | | | |
|-----------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 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] |
| 10640.00 | Average | V | 120 | 53 | -80.90 | 13.62 | 39.72 | 53.98 | -14.26 |
| 10640.00 | Peak | V | 120 | 53 | -70.55 | 13.62 | 50.07 | 73.98 | -23.91 |
| 15960.00 | Average | V | | - | -82.18 | 16.07 | 40.89 | 53.98 | -13.09 |
| 15960.00 | Peak | V | - | - | -72.21 | 16.07 | 50.86 | 73.98 | -23.12 |
| 21280.00 | Average | V | | - | -59.97 | -3.58 | 33.90 | 53.98 | -20.08 |
| 21280.00 | Peak | V | - | - | -52.20 | -3.58 | 41.67 | 73.98 | -32.31 |
| 26600.00 | Peak | V | - | - | -51.78 | -2.25 | 43.43 | 68.20 | -24.77 |

Table 7-54. Radiated Measurements MIMO

| FCC ID: ZNFK920AM | PCTEST* Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|-------------------------------------|------------------------------------|------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Dogo 124 of 167 |
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Worst Case Mode:

Worst Case Transfer Rate:

Distance of Measurements:

Operating Frequency:

Channel:

802.11a

6Mbps

1 & 3 Meters

5500MHz

100

| 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] |
|--------------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 11000.00 | Average | ٧ | 100 | 357 | -77.56 | 13.61 | 43.05 | 53.98 | -10.93 |
| 11000.00 | Peak | V | 100 | 357 | -67.19 | 13.61 | 53.42 | 73.98 | -20.56 |
| 16500.00 | Peak | V | - | - | -71.45 | 15.92 | 51.47 | 68.20 | -16.73 |
| 22000.00 | Peak | V | - | - | -51.90 | -3.43 | 42.13 | 68.20 | -26.07 |
| 27500.00 | Peak | V | - | - | -51.49 | -2.72 | 43.25 | 68.20 | -24.95 |

Table 7-55. Radiated Measurements MIMO

Worst Case Mode:

Worst Case Transfer Rate:

Distance of Measurements:

Operating Frequency:

Channel:

802.11a

6Mbps

1 & 3 Meters

5580MHz

116

| 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] |
|--------------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 11160.00 | Average | ٧ | 105 | 349 | -75.62 | 14.40 | 45.78 | 53.98 | -8.20 |
| 11160.00 | Peak | ٧ | 105 | 349 | -65.77 | 14.40 | 55.63 | 73.98 | -18.35 |
| 16740.00 | Peak | V | - | - | -71.87 | 16.65 | 51.78 | 68.20 | -16.42 |
| 22320.00 | Average | V | - | - | -59.25 | -3.59 | 34.61 | 53.98 | -19.37 |
| 22320.00 | Peak | V | - | - | -51.84 | -3.59 | 42.02 | 73.98 | -31.96 |
| 27900.00 | Peak | V | - | - | -52.10 | -2.12 | 43.24 | 68.20 | -24.96 |

Table 7-56. Radiated Measurements MIMO

| FCC ID: ZNFK920AM | PCTEST° Proud to be part of @ element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|---------------------------------------|------------------------------------|------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Dogg 125 of 167 |
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Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters

Operating Frequency: 5700MHz

Channel: 140

| 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] |
|-----------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 11440.00 | Average | V | 151 | 358 | -77.72 | 14.84 | 44.12 | 53.98 | -9.86 |
| 11440.00 | Peak | V | 151 | 358 | -66.01 | 14.84 | 55.83 | 73.98 | -18.15 |
| 17160.00 | Peak | V | - | - | -72.21 | 17.81 | 52.60 | 68.20 | -15.60 |
| 22880.00 | Average | V | - | - | -59.19 | -3.38 | 34.89 | 53.98 | -19.09 |
| 22880.00 | Peak | V | - | - | -51.66 | -3.38 | 42.42 | 73.98 | -31.56 |
| 28600.00 | Peak | V | - | - | -51.77 | -2.02 | 43.67 | 68.20 | -24.53 |

Table 7-57. Radiated Measurements MIMO

Worst Case Mode: 802.11a

Worst Case Transfer Rate: 6Mbps

Distance of Measurements: 1 & 3 Meters
Operating Frequency: 5745MHz

| 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] |
|--------------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 11490.00 | Average | ٧ | 100 | 1 | -78.38 | 14.48 | 43.10 | 53.98 | -10.88 |
| 11490.00 | Peak | V | 100 | 1 | -67.40 | 14.48 | 54.08 | 73.98 | -19.90 |
| 17235.00 | Peak | V | - | - | -71.71 | 18.39 | 53.68 | 68.20 | -14.52 |
| 22980.00 | Average | V | - | - | -63.52 | -3.46 | 30.48 | 53.98 | -23.50 |
| 22980.00 | Peak | V | - | - | -51.86 | -3.46 | 42.14 | 73.98 | -31.84 |
| 28725.00 | Peak | ٧ | - | - | -50.84 | -2.02 | 44.59 | 69.20 | -24.61 |

Table 7-58. Radiated Measurements MIMO

| FCC ID: ZNFK920AM | PCTEST* Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|-------------------------------------|------------------------------------|------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Dogo 126 of 167 |
| 1M2007130107-06.ZNF | 07/30/2020 - 09/03/2020 | Portable Handset | Page 136 of 167 |



Worst Case Mode:

Worst Case Transfer Rate:

Distance of Measurements:

Operating Frequency:

Channel:

802.11a

6Mbps

1 & 3 Meters

5785MHz

157

| 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] |
|--------------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 11570.00 | Average | ٧ | - | - | -83.79 | 21.94 | 45.15 | 53.98 | -8.83 |
| 11570.00 | Peak | V | - | - | -67.65 | 21.94 | 61.29 | 73.98 | -12.69 |
| 17355.00 | Peak | V | - | - | -71.31 | 19.75 | 55.44 | 68.20 | -12.76 |
| 23140.00 | Peak | V | - | - | -51.32 | -3.47 | 42.67 | 68.20 | -25.53 |
| 28925.00 | Peak | V | - | - | -52.27 | -2.31 | 42.88 | 68.20 | -25.32 |

Table 7-59. Radiated Measurements MIMO

Worst Case Mode:

Worst Case Transfer Rate:

Distance of Measurements:

Operating Frequency:

Channel:

802.11a

6Mbps

1 & 3 Meters

5825MHz

165

| 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] |
|--------------------|----------|-----------------------|---------------------------|----------------------------------|----------------------------|----------------|-------------------------------|-------------------|----------------|
| 11650.00 | Average | V | 161 | 348 | -73.78 | 14.49 | 47.71 | 53.98 | -6.27 |
| 11650.00 | Peak | V | 161 | 348 | -60.68 | 14.49 | 60.81 | 73.98 | -13.17 |
| 17475.00 | Peak | V | - | - | -71.65 | 21.13 | 56.48 | 68.20 | -11.72 |
| 23300.00 | Peak | V | - | - | -52.24 | -3.52 | 41.70 | 68.20 | -26.50 |
| 29125.00 | Peak | V | - | - | -52.19 | -1.91 | 43.36 | 68.20 | -24.84 |

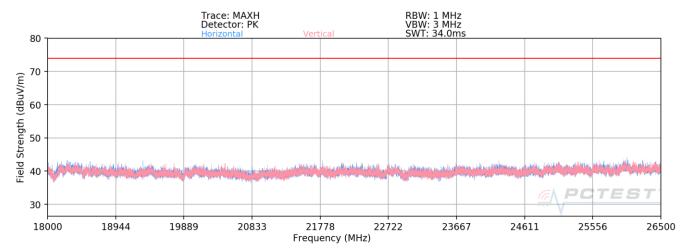
Table 7-60. Radiated Measurements MIMO

| FCC ID: ZNFK920AM | PCTEST° Proud to be part of @ element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|---------------------------------------|------------------------------------|------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Dogg 127 of 167 |
| 1M2007130107-06.ZNF | 07/30/2020 - 09/03/2020 | Portable Handset | Page 137 of 167 |

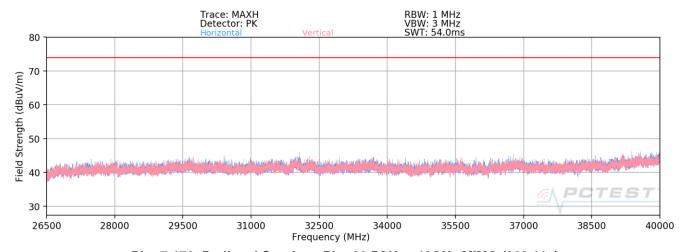
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MIMO Radiated Spurious Emissions Measurements (Above 18GHz)



Plot 7-169. Radiated Spurious Plot above 18GHz - 26.5GHz MIMO (802.11a)



Plot 7-170. Radiated Spurious Plot 26.5GHz - 40GHz MIMO (802.11a)

| FCC ID: ZNFK920AM | Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|-----------------------------|------------------------------------|------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Page 138 of 167 |
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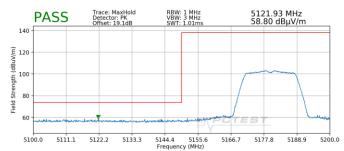
7.6.4 SISO Antenna-1 Radiated Band Edge Measurements (20MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

802.11a
6Mbps
3 Meters
5180MHz
36



Plot 7-171. Radiated Lower Band Edge Plot SISO ANT1 (Average – UNII Band 1)



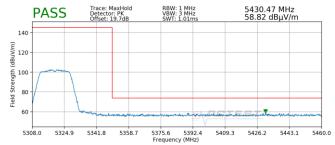
Plot 7-172. Radiated Lower Band Edge Plot SISO ANT1 (Peak – UNII Band 1)

Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

802.11a
6Mbps
3 Meters
5320MHz
64



Plot 7-173. Radiated Upper Band Edge Plot SISO ANT1 (Average – UNII Band 2A)



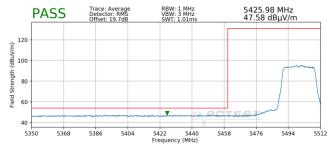
Plot 7-174. Radiated Upper Band Edge Plot SISO ANT1 (Peak – UNII Band 2A)

| FCC ID: ZNFK920AM | PCTEST* Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|-------------------------------------|------------------------------------|------------------------------|
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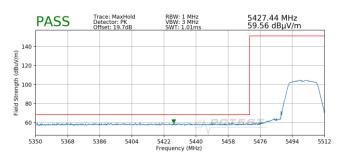


Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

802.11a
6Mbps
3 Meters
5500MHz
100

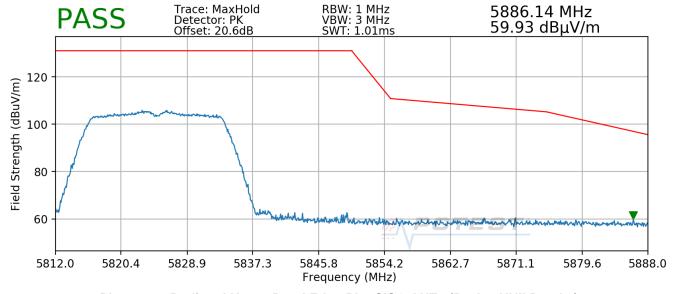


Plot 7-175. Radiated Lower Band Edge Plot SISO ANT1 (Average – UNII Band 2C)



Plot 7-176. Radiated Lower Band Edge Plot SISO ANT1 (Peak – UNII Band 2C)

Worst Case Mode: 802.11a
Worst Case Transfer Rate: 6Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 5825MHz
Channel: 165



Plot 7-177. Radiated Upper Band Edge Plot SISO ANT1 (Peak – UNII Band 3)

| FCC ID: ZNFK920AM | Proud to be part of @ element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|-------------------------------|------------------------------------|------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Dogo 140 of 167 |
| 1M2007130107-06.ZNF | 07/30/2020 - 09/03/2020 | Portable Handset | Page 140 of 167 |



7.6.5 SISO Antenna-1 Radiated Band Edge Measurements (40MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

Worst Case Mode:

Worst Case Transfer Rate:

Distance of Measurements:

Operating Frequency:

Channel:

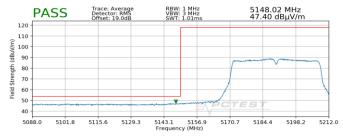
802.11n

MCS0

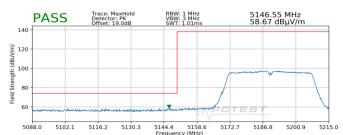
3 Meters

5190MHz

38



Plot 7-178. Radiated Lower Band Edge Plot SISO ANT1 (Average – UNII Band 1)



Plot 7-179. Radiated Lower Band Edge Plot SISO ANT1 (Peak – UNII Band 1)

Worst Case Mode:

Worst Case Transfer Rate:

Distance of Measurements:
Operating Frequency:
Channel:

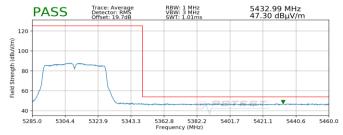
802.11n

MCS0

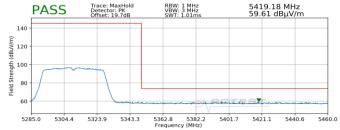
3 Meters

5310MHz

62



Plot 7-180. Radiated Upper Band Edge Plot SISO ANT1 (Average – UNII Band 2A)



Plot 7-181. Radiated Upper Band Edge Plot SISO ANT1 (Peak – UNII Band 2A)

| FCC ID: ZNFK920AM | PCTEST° Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | € LG | Approved by: Quality Manager |
|---------------------|-------------------------------------|---------------------------------------|------|------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | | Dogo 144 of 167 |
| 1M2007130107-06.ZNF | 07/30/2020 - 09/03/2020 | Portable Handset | | Page 141 of 167 |



Worst Case Mode:

Worst Case Transfer Rate:

Distance of Measurements:
Operating Frequency:

Channel:

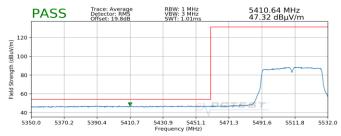
802.11n

MCS0

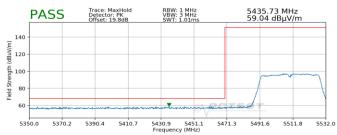
3 Meters

5510MHz

102



Plot 7-182. Radiated Lower Band Edge Plot SISO ANT1 (Average – UNII Band 2C)



Plot 7-183. Radiated Lower Band Edge Plot SISO ANT1 (Peak – UNII Band 2C)

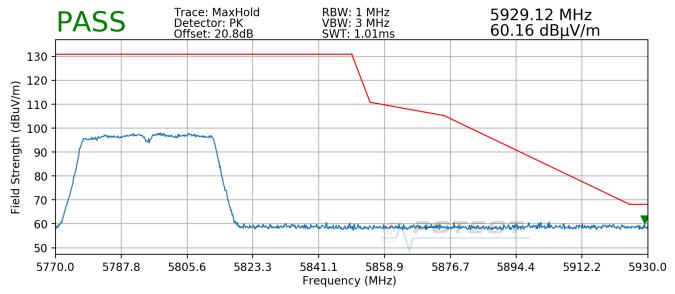
Worst Case Mode: 802.11n

Worst Case Transfer Rate: MCS0

Distance of Measurements: 3 Meters

Operating Frequency: 5795MHz

Channel: 159



Plot 7-184. Radiated Upper Band Edge Plot SISO ANT1 (Peak - UNII Band 3)

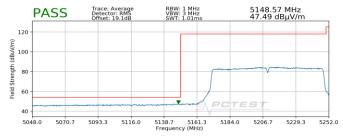
| FCC ID: ZNFK920AM | PCTEST* Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|-------------------------------------|------------------------------------|------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Dogo 142 of 167 |
| 1M2007130107-06.ZNF | 07/30/2020 - 09/03/2020 | Portable Handset | Page 142 of 167 |



7.6.6 SISO Antenna-1Radiated Band Edge Measurements (80MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

802.11ac
MCS0
3 Meters
5210MHz
42



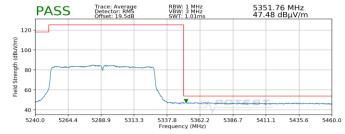
Plot 7-185. Radiated Lower Band Edge Plot SISO ANT2 (Average – UNII Band 1)



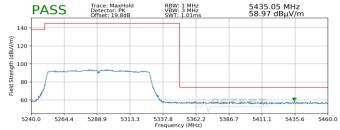
Plot 7-186. Radiated Lower Band Edge Plot SISO ANT2 (Peak – UNII Band 1)

Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

802.11ac
MCS0
3 Meters
5290MHz
58



Plot 7-187. Radiated Upper Band Edge Plot SISO ANT2 (Average – UNII Band 2A)



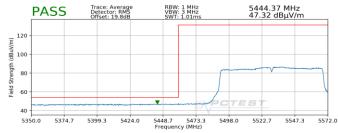
Plot 7-188. Radiated Upper Band Edge Plot SISO ANT2 (Peak – UNII Band 2A)

| FCC ID: ZNFK920AM | PCTEST* Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | (LG | Approved by: Quality Manager |
|---------------------|-------------------------------------|---------------------------------------|-------------|------------------------------|
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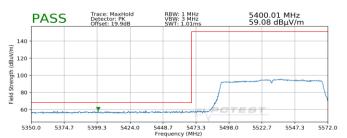


Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

802.11ac
MCS0
3 Meters
5530MHz
106

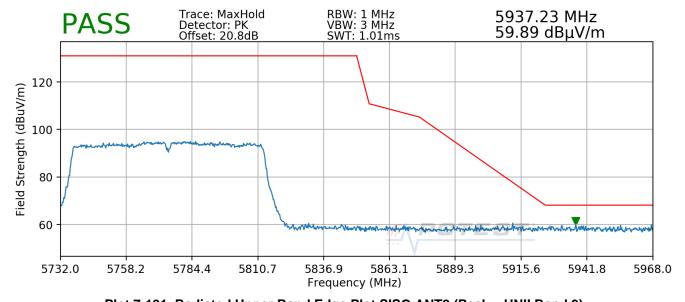


Plot 7-189. Radiated Lower Band Edge Plot SISO ANT2 (Average – UNII Band 2C)



Plot 7-190. Radiated Lower Band Edge Plot SISO ANT2 (Peak – UNII Band 2C)

Worst Case Mode: 802.11ac
Worst Case Transfer Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 5775MHz
Channel: 155



Plot 7-191. Radiated Upper Band Edge Plot SISO ANT2 (Peak – UNII Band 3)

| FCC ID: ZNFK920AM | PCTEST* Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|-------------------------------------|------------------------------------|------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Dogo 144 of 167 |
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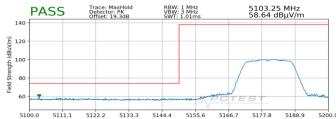
7.6.7 SISO Antenna-2 Radiated Band Edge Measurements (20MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

802.11a
6Mbps
3 Meters
5180MHz
36



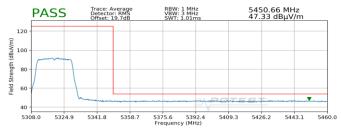
Plot 7-192. Radiated Lower Band Edge Plot SISO ANT2 (Average – UNII Band 1)



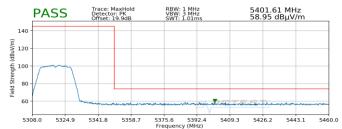
Plot 7-193. Radiated Lower Band Edge Plot SISO ANT2 (Peak – UNII Band 1)

Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

802.11a
6Mbps
3 Meters
5320MHz
64



Plot 7-194. Radiated Upper Band Edge Plot SISO ANT2 (Average – UNII Band 2A)



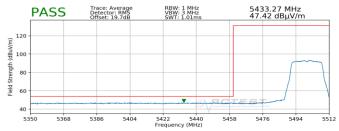
Plot 7-195. Radiated Upper Band Edge Plot SISO ANT2 (Peak – UNII Band 2A)

| FCC ID: ZNFK920AM | PCTEST* Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
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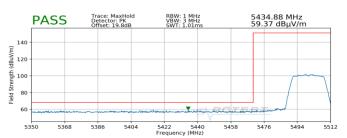


Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

802.11a
6Mbps
3 Meters
5500MHz
100

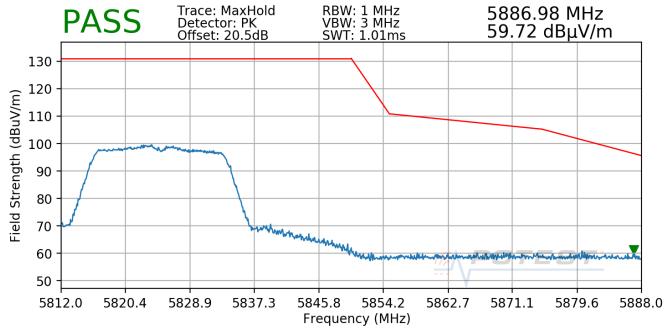


Plot 7-196. Radiated Lower Band Edge Plot SISO ANT2 (Average – UNII Band 2C)



Plot 7-197. Radiated Lower Band Edge Plot SISO ANT2 (Peak – UNII Band 2C)

Worst Case Mode: 802.11a
Worst Case Transfer Rate: 6Mbps
Distance of Measurements: 3 Meters
Operating Frequency: 5825MHz
Channel: 165



Plot 7-198. Radiated Upper Band Edge Plot SISO ANT2 (Peak - UNII Band 3)

| FCC ID: ZNFK920AM | Proud to be part of @ element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|-------------------------------|------------------------------------|------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Dogo 146 of 167 |
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7.6.8 SISO Antenna-2 Radiated Band Edge Measurements (40MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

802.11n

MCS0

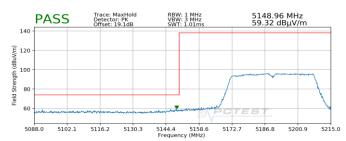
3 Meters

5190MHz

38



Plot 7-199. Radiated Lower Band Edge Plot SISO ANT2 (Average – UNII Band 1)



Plot 7-200. Radiated Lower Band Edge Plot SISO ANT2 (Peak – UNII Band 1)

Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

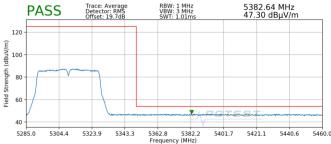
802.11n

MCS0

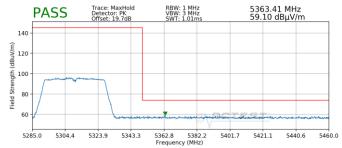
3 Meters

5310MHz

62



Plot 7-201. Radiated Upper Band Edge Plot SISO ANT2 (Average – UNII Band 2A)



Plot 7-202. Radiated Upper Band Edge Plot SISO ANT2 (Peak – UNII Band 2A)

| FCC ID: ZNFK920AM | PCTEST* Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|-------------------------------------|------------------------------------|------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Dogo 147 of 167 |
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Worst Case Mode:

Worst Case Transfer Rate:

Distance of Measurements:
Operating Frequency:

Channel:

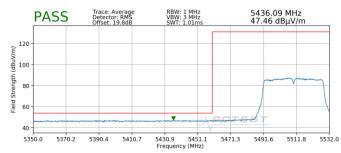
802.11n

MCS0

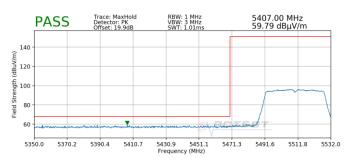
3 Meters

5510MHz

102



Plot 7-203. Radiated Lower Band Edge Plot SISO ANT2 (Average – UNII Band 2C)



Plot 7-204. Radiated Lower Band Edge Plot SISO ANT2 (Peak – UNII Band 2C)

Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

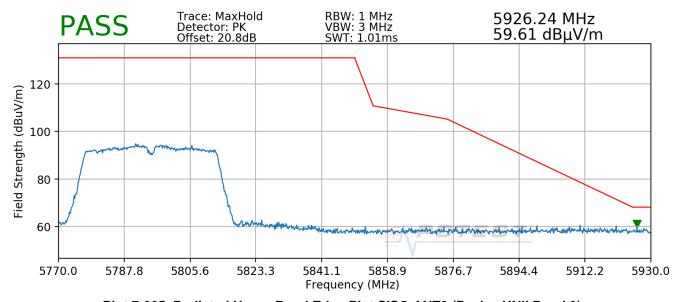
802.11n

MCS0

3 Meters

5795MHz

159



Plot 7-205. Radiated Upper Band Edge Plot SISO ANT2 (Peak – UNII Band 3)

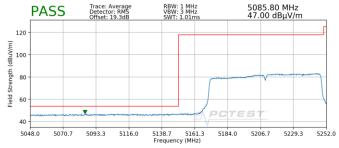
| FCC ID: ZNFK920AM | Proud to be part of @ element | MEASUREMENT REPORT (CERTIFICATION) | Approved by: Quality Manager |
|---------------------|-------------------------------|------------------------------------|------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | Dogo 149 of 167 |
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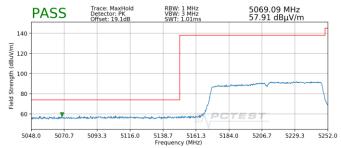
7.6.9 SISO Antenna-2 Radiated Band Edge Measurements (80MHz BW) §15.407(b.1)(b.2) §15.205 §15.209; RSS-Gen [8.9]

Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

802.11ac
MCS0
3 Meters
5210MHz
42



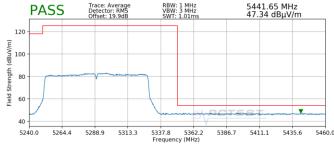
Plot 7-206. Radiated Lower Band Edge Plot SISO ANT2 (Average – UNII Band 1)



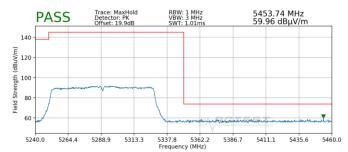
Plot 7-207. Radiated Lower Band Edge Plot SISO ANT2 (Peak – UNII Band 1)

Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

802.11ac
MCS0
3 Meters
5290MHz
58



Plot 7-208. Radiated Upper Band Edge Plot SISO ANT2 (Average – UNII Band 2A)



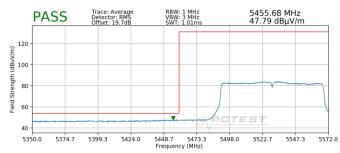
Plot 7-209. Radiated Upper Band Edge Plot SISO ANT2 (Peak – UNII Band 2A)

| FCC ID: ZNFK920AM | PCTEST* Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | ⊕ LG | Approved by: Quality Manager |
|---------------------|-------------------------------------|---------------------------------------|-------------|------------------------------|
| Test Report S/N: | Test Dates: | EUT Type: | | Dogg 140 of 167 |
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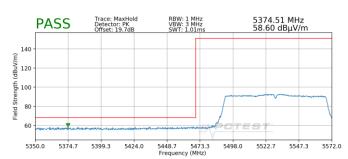


Worst Case Mode:
Worst Case Transfer Rate:
Distance of Measurements:
Operating Frequency:
Channel:

802.11ac
MCS0
3 Meters
5530MHz
106

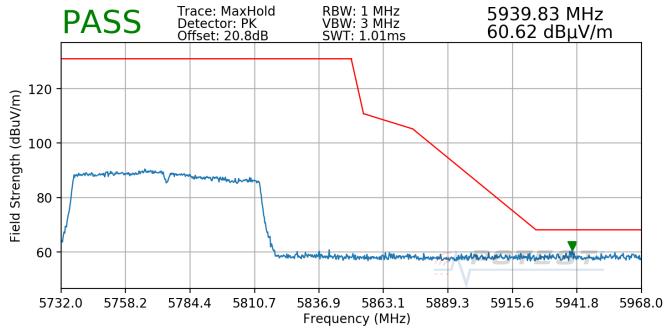


Plot 7-210. Radiated Lower Band Edge Plot SISO ANT2 (Average – UNII Band 2C)



Plot 7-211. Radiated Lower Band Edge Plot SISO ANT2 (Peak – UNII Band 2C)

Worst Case Mode: 802.11ac
Worst Case Transfer Rate: MCS0
Distance of Measurements: 3 Meters
Operating Frequency: 5775MHz
Channel: 155



Plot 7-212. Radiated Upper Band Edge Plot SISO ANT2 (Peak - UNII Band 3)

| FCC ID: ZNFK920AM | PCTEST° Proud to be part of element | MEASUREMENT REPORT (CERTIFICATION) | 🕦 LG | Approved by: Quality Manager |
|---------------------|-------------------------------------|------------------------------------|------|------------------------------|
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