

Test of: Mimosa Networks A5c, A5-14, A5-18

To: FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS Bands)

Test Report Serial No.: MIMO09-U5_Radiated Addendum Rev A

Issue Date: 2nd August 2016

| Master Document Number | Addendum Reports | | | |
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| | MIMO09-U5_Conducted | | | |
| MIMOOD LIE Maatar | MIMO09-U5_Radiated | | | |
| MIMO09-U5_Master | MIMO09-U2_(FCC Part15B & ICES-003) A5c | | | |
| | MIMO09-U3_(FCC Part15B & ICES-003) A5-14, A5-18 | | | |



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1. MEASUREMENT AND PRESENTATION OF TEST DATA

The measurement and graphical data presented in this test report was generated automatically using state-of-the-art technology creating an easy to read report structure. Numerical measurement data is separated from supporting graphical data (plots) through hyperlinks. Numerical measurement data can be reviewed without scrolling through numerous graphical pages to arrive at the next data matrix.

Plots have been relegated into the Appendix 'Graphical Data'.

Test and report automation was performed by <u>MiTest</u>. <u>MiTest</u> is an automated test system developed by MiCOM Labs. <u>MiTest</u> is the first cloud based modular test system enabling end-to-end automation of regulatory compliance testing for conducted RF testing.



The MiCOM Labs "MiTest" Automated Test System" (Patent Pending)

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2. TEST RESULTS

2.1. Radiated

| Ctondoud | FCC CED 47:45 407 | Ambient Temp (00) | 20.0. 24.5 | | |
|--|--|---|---|--|--|
| Standard: | FCC CFR 47:15.407 Radiated Spurious and Band- | Ambient Temp. (°C): | 20.0 - 24.5 | | |
| Test Heading: | Edge Emissions | Rel. Humidity (%): | 32 - 45 | | |
| Standard Section(s): | 15.407 (b), 15.205, 15.209 | Pressure (mBars): | 999 - 1001 | | |
| Reference Document(s): | See Normative References | | | | |
| Radiated emissions for restricted in both horizontal and vertical pol 360° with a spectrum analyzer in used to remove the fundamental Measurements on any restricted lemploying peak and average detered. Test configuration and setup for U 15.407 (b) Undesirable emist the frequency bands of ope (1) For transmitters operatir e.i.r.p. of −27 dBm/MHz. (2) For transmitters operatir an e.i.r.p. of −27 dBm/MHz. (3) For transmitters operatir an e.i.r.p. of −27 dBm/MHz. (4) For transmitters operatir MHz above or below the band edge, emiss of the band width may be employed. | arities. The emissions are record peak hold mode. Depending on the frequency. The highest emissions band frequency or frequencies ab ectors. All measurements were p Judesirable Measurement were p ssion limits. Except as shown in p ration shall be attenuated in accord and in the 5.15-5.25 GHz band: All and in the 5.25-5.35 GHz band: All and in the 5.47-5.725 GHz band: All and in the 5.725-5.85 GHz band: All and edge shall not exceed an e.i.r.p. of ments shall be performed using a r | d in the anechoic chamber at a 3- ded and maximized as a function on the frequency band spanned a noto is relative to the limit are listed for e over 1 GHz are based on the use of the resolution bandwer the Radiated Test Set-up specific aragraph (b)(7) of this section, the rdance with the following limits: emissions outside of the 5.15-5.35 emissions outside of the 5.15-5.35 l emissions outside of the 5.47-5.7 l emissions within the frequency ra p. of –17 dBm/MHz; for frequencie | f azimuth by rotation through h filter and waveguide filter was each frequency spanned. of measurement instrumentation width of 1 MHz. ied in this document. maximum emissions outside of GHz band shall not exceed an GHz band shall not exceed an GHz band shall not exceed an C25 GHz band shall not exceed ange from the band edge to 10 as 10 MHz or greater above or MHz. A lower resolution | | |
| total power over 1 MHz. | low 1 GHz must comply with the c | general field strength limits set fortl | n in &15 209 Eurther any U-NI | | |
| | | with the conducted limits set forth in | | | |
| (7) The provisions of §15.20 | 05 apply to intentional radiators op | perating under this section. | | | |
| | nission limits, the nominal carrier f ne design of the equipment permit | requency shall be adjusted as clos s. | e to the upper and lower | | |
| Limits for Restricted Bands (15 Peak emission: 74 dBuV/m Average emission: 54 dBuV/m | .205, 15.209) | | | | |
| Field Strength Calculation The field strength is calculated measured reading. All factors a | | and Cable Loss, and subtracting | Amplifier Gain from the | | |

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where:

FS = Field Strength R = Measured Spectrum analyzer Input Amplitude AF = Antenna Factor CORR = Correction Factor = CL – AG + NFL CL = Cable Loss AG = Amplifier Gain FO = Distance Falloff Factor NFL = Notch Filter Loss or Waveguide Loss

Example:

The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength (dBµV/m);

 $E = \frac{1000000 \times \sqrt{30P}}{3} \mu V/m$ where P is the EIRP in Watts

Therefore: -27 dBm/MHz equates to 68.23 dBuV/m

Conversion between dBmV/m (or dBmV) and mV/m (or mV) are as follows: Level (dBmV/m) = 20 * Log (level (mV/m))

40 dBmV/m = 100 mV/m 48 dBmV/m = 250 mV/m

Restricted Bands of Operation (15.205)

(a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

| Frequency Band | | | | | | | | | |
|-------------------|---------------------|---------------|-------------|--|--|--|--|--|--|
| MHz | MHz | MHz | GHz | | | | | | |
| 0.090-0.110 | 16.42-16.423 | 399.9-410 | 4.5-5.15 | | | | | | |
| 0.495-0.505 | 16.69475-16.69525 | 608-614 | 5.35-5.46 | | | | | | |
| 2.1735-2.1905 | 16.80425-16.80475 | 960-1240 | 7.25-7.75 | | | | | | |
| 4.125-4.128 | 25.5-25.67 | 1300-1427 | 8.025-8.5 | | | | | | |
| 4.17725-4.17775 | 37.5-38.25 | 1435-1626.5 | 9.0-9.2 | | | | | | |
| 4.20725-4.20775 | 73-74.6 | 1645.5-1646.5 | 9.3-9.5 | | | | | | |
| 6.215-6.218 | 74.8-75.2 | 1660-1710 | 10.6-12.7 | | | | | | |
| 6.26775-6.26825 | 108-121.94 | 1718.8-1722.2 | 13.25-13.4 | | | | | | |
| 6.31175-6.31225 | 123-138 | 2200-2300 | 14.47-14.5 | | | | | | |
| 8.291-8.294 | 149.9-150.05 | 2310-2390 | 15.35-16.2 | | | | | | |
| 8.362-8.366 | 156.52475-156.52525 | 2483.5-2500 | 17.7-21.4 | | | | | | |
| 8.37625-8.38675 | 156.7-156.9 | 2690-2900 | 22.01-23.12 | | | | | | |
| 8.41425-8.41475 | 162.0125-167.17 | 3260-3267 | 23.6-24.0 | | | | | | |
| 12.29-12.293 | 167.72-173.2 | 3332-3339 | 31.2-31.8 | | | | | | |
| 12.51975-12.52025 | 240-285 | 3345.8-3358 | 36.43-36.5 | | | | | | |

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| 12.57675-12.57725 | 322-335.4 | 3600-4400 | Above 38.6 |
|--|---|---|--|
| 13.36-13.41 | | | |
| (b) Except as provided in paragraphic bands shall not exceed the limits s §15.209 shall be demonstrated us compliance with the emission limit provisions in §15.35 apply to these (c) Except as provided in paragraphic bands. | hown in §15.209. At frequencie ing measurement instrumentations in §15.209 shall be demonstrate measurements. hs (d) and (e) of this section, re | s equal to or less than 1000 MHz on employing a CISPR quasi-pea ated based on the average value gardless of the field strength limit | , compliance with the limits in k detector. Above 1000 MHz, of the measured emissions. The |
| subpart, the provisions of this sect | ion apply to emissions from any | rintentional radiator. | |
| (d) The following devices are exen | npt from the requirements of this | s section: | |
| through the bands listed in p bands listed in paragraph (a) | aragraph (a) of this section, the of this section, and the fundam | | fundamental emission within the ands listed in paragraph (a) of this |
| (2) Transmitters used to dete | ect buried electronic markers at | 101.4 kHz which are employed b | y telephone companies. |
| (3) Cable locating equipment | operated pursuant to §15.213. | | |
| (4) Any equipment operated of this part. | under the provisions of §15.253 | 8, 15.255, and 15.256 in the frequ | ency band 75-85 GHz, or §15.257 |
| | ices operating under the provisi t to compliance within the other | ons of §15.242 of this part are no restricted bands. | ot subject to the restricted band |
| (6) Transmitters operating ur | nder the provisions of subparts l | D or F of this part. | |
| (7) Devices operated pursua | nt to §15.225 are exempt from o | complying with this section for the | e 13.36-13.41 MHz band only. |
| | | §15.245 are exempt from comply nds only, and shall not exceed th | |
| | | 249 are exempt from complying ly, and shall not exceed the limit | |
| (e) Harmonic emissions appearing provisions of §15.245 shall not exc | | | ensors operating under the |
| | | | |



2.1.1. Restricted Band Emissions

2.1.1.1. A-18

Equipment Configuration for Radiated Spurious - Restricted Band Emissions

| Antenna: | A-18 | Variant: | 802.11n ac20 |
|--------------------------|----------------|-----------------|--------------|
| Antenna Gain (dBi): | 8.00 | Modulation: | OFDM |
| Beam Forming Gain (Y): | Not Applicable | Duty Cycle (%): | 99 |
| Channel Frequency (MHz): | 5165.00 | Data Rate: | 6.50 MBit/s |
| Power Setting: | 0x16 | Tested By: | JMH |

Test Measurement Results

| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|---------|------------------|-------------|---------------|-----------|-----------------|---------------------|------------|-----------|------------|-----------------|--------------|---------------|
| #1 | 5178.60 | 57.56 | 3.69 | -11.51 | 49.74 | Fundamental | Vertical | 101 | 160 | | | |
| #2 | 6235.24 | 49.72 | 3.91 | -8.67 | 44.96 | Peak (NRB) | Horizontal | 154 | 0 | | | Pass |
| #3 | 6895.92 | 47.72 | 4.12 | -7.56 | 44.28 | Peak (NRB) | Vertical | 199 | 360 | | | Pass |
| #4 | 7310.73 | 57.31 | 4.24 | -7.29 | 54.26 | Max Peak | Vertical | 120 | 324 | 74.0 | -19.7 | Pass |
| #5 | 7310.73 | 35.10 | 4.24 | -7.29 | 32.05 | Max Avg | Vertical | 120 | 324 | 54.0 | -22.0 | Pass |
| Test No | tes: EUT A5-1 | 18 SN: 21 | 1959187 | 7 on 150c | m table, p | owered by Mimo | sa POE PS | 502-000 | 02. | | | |



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| Equipment Configuration for Radiated Spurious - Restricted Band Emissions | | | | | | | | | |
|---|---|-----------------|-------------|--|--|--|--|--|--|
| Antenna: | Antenna: A-18 Variant: 802.11n ac20 | | | | | | | | |
| Antenna Gain (dBi): | 8.00 | Modulation: | OFDM | | | | | | |
| Beam Forming Gain (Y): | Not Applicable | Duty Cycle (%): | 99 | | | | | | |
| Channel Frequency (MHz): | 5200.00 | Data Rate: | 6.50 MBit/s | | | | | | |
| Power Setting: | 0x16 | Tested By: | JMH | | | | | | |

Test Measurement Results

| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|---------|------------------|-------------|---------------|-----------|-----------------|---------------------|------------|-----------|------------|-----------------|--------------|---------------|
| #1 | 5201.56 | 73.93 | 3.66 | -11.46 | 66.13 | Fundamental | Vertical | 200 | 1 | | | |
| #2 | 6249.99 | 52.34 | 3.93 | -8.57 | 47.70 | Peak (NRB) | Horizontal | 200 | 166 | | | Pass |
| #3 | 6933.18 | 49.38 | 4.11 | -7.49 | 46.00 | Peak (NRB) | Vertical | 200 | 166 | | | Pass |
| #4 | 7310.43 | 56.94 | 4.23 | -7.29 | 53.88 | Max Peak | Vertical | 114 | 317 | 74.0 | -20.1 | Pass |
| #5 | 7310.43 | 35.15 | 4.23 | -7.29 | 32.09 | Max Avg | Vertical | 114 | 317 | 54.0 | -21.9 | Pass |
| Test No | tes: EUT A5-1 | 18 SN: 21 | 1959187 | 7 on 150c | m table, p | owered by Mimo | osa POE PS | 502-000 | 02. | | | |



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| Equipment Configuration for Radiated Spurious - Restricted Band Emissions | | | | | | | | | |
|---|----------------|-----------------|--------------|--|--|--|--|--|--|
| Antenna: | A-18 | Variant: | 802.11n ac20 | | | | | | |
| Antenna Gain (dBi): | 8.00 | Modulation: | OFDM | | | | | | |
| Beam Forming Gain (Y): | Not Applicable | Duty Cycle (%): | 99 | | | | | | |
| Channel Frequency (MHz): | 5240.00 | Data Rate: | 6.50 MBit/s | | | | | | |
| Power Setting: | 0x16 | Tested By: | JMH | | | | | | |

Test Measurement Results

| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|----------|------------------|-------------|---------------|----------|-----------------|---------------------|----------|-----------|------------|-----------------|--------------|---------------|
| #1 | 5241.56 | 73.99 | 3.63 | -11.36 | 66.26 | Fundamental | Vertical | 200 | 1 | | | |
| #2 | 7311.88 | 57.18 | 4.24 | -7.29 | 54.13 | Max Peak | Vertical | 182 | 315 | 74.0 | -19.9 | Pass |
| #3 | 7311.88 | 35.06 | 4.24 | -7.29 | 32.01 | Max Avg | Vertical | 182 | 315 | 54.0 | -22.0 | Pass |
| Test Not | tes: EUT A5-1 | 8 SN: 21 | 19591877 | on 150cr | n table, po | wered by Mimos | a POE P | S 502-000 | 02. | • | | |



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| Equipme | nt Configuration for Radiated S | Spurious - Restricted Band Emissions | 6 | | | | | | | |
|--------------------------|---|--------------------------------------|---------------|--|--|--|--|--|--|--|
| Antenna: | A-18 | Variant: | 802.11n HT-20 | | | | | | | |
| Antenna Gain (dBi): | Not Applicable | Modulation: | OFDM | | | | | | | |
| Beam Forming Gain (Y): | Not Applicable | Duty Cycle (%): | 99 | | | | | | | |
| Channel Frequency (MHz): | Channel Frequency (MHz): 5745.00 Data Rate: 6.50 MBit/s | | | | | | | | | |
| Power Setting: | 0x16 | Tested By: | JMH | | | | | | | |

Test Measurement Results

| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|----------|--|-------------|---------------|--------|-----------------|---------------------|----------|--------|------------|-----------------|--------------|---------------|
| #1 | 5737.51 | 57.46 | 3.82 | -10.67 | 50.61 | Fundamental | Vertical | 200 | 0 | | | |
| #2 | 6185.05 | 57.59 | 3.91 | -9.01 | 52.49 | Peak (NRB) | Vertical | 200 | 181 | | | Pass |
| #3 | 7312.36 | 56.93 | 4.24 | -7.29 | 53.88 | Max Peak | Vertical | 179 | 315 | 74.0 | -20.1 | Pass |
| #4 | 7312.36 | 34.97 | 4.24 | -7.29 | 31.92 | Max Avg | Vertical | 179 | 315 | 54.0 | -22.1 | Pass |
| Test Not | Test Notes: EUT A5-18 SN: 2119591877 on 150cm table, powered by Mimosa POE PS 502-00002. | | | | | | | | | | | |



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| Equipme | ent Configuration for Radiated S | purious - Restricted Band Emissions | 5 | | | | | | | |
|--------------------------|---|-------------------------------------|--------------|--|--|--|--|--|--|--|
| Antenna: | A5-18 | Variant: | 802.11n ac20 | | | | | | | |
| Antenna Gain (dBi): | | Modulation: | | | | | | | | |
| Beam Forming Gain (Y): | Not Applicable | Duty Cycle (%): | 99 | | | | | | | |
| Channel Frequency (MHz): | Channel Frequency (MHz): 5785.00 Data Rate: 6.50 MBit/s | | | | | | | | | |
| Power Setting: | Power Setting: 0x15 Tested By: JMH | | | | | | | | | |

Test Measurement Results

| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|----------|--|-------------|---------------|--------|-----------------|---------------------|----------|--------|------------|-----------------|--------------|---------------|
| #1 | 5785.57 | 59.51 | 3.79 | -10.44 | 52.86 | Fundamental | Vertical | 200 | 1 | | | |
| #2 | 6231.12 | 58.66 | 3.91 | -8.70 | 53.87 | Peak (NRB) | Vertical | 200 | 144 | | | Pass |
| Test Not | Test Notes: EUT A5-18 SN: 2119591877 on 150cm table, powered by Mimosa POE PS 502-00002. | | | | | | | | | | | |



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Equipment Configuration for Radiated Spurious - Restricted Band Emissions Antenna: A-18 Variant: 802.11n ac20 Antenna Gain (dBi): Not Applicable Modulation: OFDM Beam Forming Gain (Y): Not Applicable Duty Cycle (%): 99 Channel Frequency (MHz): 5825.00 Data Rate: 6.50 MBit/s Power Setting: 0x15 Tested By: JMH

Test Measurement Results

| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|----------|--|-------------|---------------|--------|-----------------|---------------------|----------|--------|------------|-----------------|--------------|---------------|
| #1 | 5819.48 | 63.42 | 3.82 | -10.28 | 56.96 | Fundamental | Vertical | 200 | 18 | | | |
| #2 | 6284.07 | 58.09 | 3.92 | -8.47 | 53.54 | Peak (NRB) | Vertical | 200 | 41 | | | Pass |
| Test Not | Test Notes: EUT A5-18 SN: 2119591877 on 150cm table, powered by Mimosa POE PS 502-00002. | | | | | | | | | | | |



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2.1.1.2. KP Performance KPPA-5GHZHV4P65-17 X4

Equipment Configuration for Radiated Spurious - Restricted Band Emissions

| Antenna: | KP Performance KPPA-5GHZHV4P65- 17 X4 | Variant: | 802.11n ac20 |
|--------------------------|--|-----------------|--------------|
| Antenna Gain (dBi): | | Modulation: | OFDM |
| Beam Forming Gain (Y): | Not Applicable | Duty Cycle (%): | 99 |
| Channel Frequency (MHz): | 5165.00 | Data Rate: | 6.50 MBit/s |
| Power Setting: | 0x08 | Tested By: | JMH |

Test Measurement Results

| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|-----------|--|-------------|---------------|-----------|-----------------|---------------------|-----------|-----------|------------|-----------------|--------------|---------------|
| #1 | 5188.02 | 69.48 | 3.68 | -11.49 | 61.67 | Fundamental | Vertical | 151 | 1 | | | |
| Test No | tes: EUT A5c | SN: 2118 | 161852 o | n 150cm 1 | able conn | ected to KPPA a | ntenna po | owered by | Mimosa | POE PS 5 | 02-00002 | .5G |
| notch fil | notch filter added in front of amp to prevent overload | | | | | | | | | | | |



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| Equip | ment Configuration for Radiated Spurio | us - Restricted Band Emissions | Equipment Configuration for Radiated Spurious - Restricted Band Emissions | | | | | | | | |
|--------------------------|--|--------------------------------|---|--|--|--|--|--|--|--|--|
| Antenna: | KP Performance KPPA-5GHZHV4P65- 17 X4 | Variant: | 802.11n ac20 | | | | | | | | |
| Antenna Gain (dBi): | 17.30 | Modulation: | OFDM | | | | | | | | |
| Beam Forming Gain (Y): | Not Applicable | Duty Cycle (%): | 99 | | | | | | | | |
| Channel Frequency (MHz): | 5200.00 | Data Rate: | 6.50 MBit/s | | | | | | | | |
| Power Setting: | 0x08 | Tested By: | JMH | | | | | | | | |

Test Measurement Results

| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|------------|--|-------------|---------------|-----------|-----------------|---------------------|-----------|-----------|------------|-----------------|--------------|---------------|
| #1 | 5198.76 | 65.82 | 3.66 | -11.47 | 58.01 | Fundamental | Vertical | 101 | 1 | | | |
| Test Not | es: EUT A5c | SN: 2118 | 161852 o | n 150cm 1 | table conn | ected to KPPA a | ntenna po | owered by | Mimosa | POE PS 5 | 02-00002 | . 5G |
| notch filt | notch filter added in front of amp to prevent overload | | | | | | | | | | | |



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| Equip | ment Configuration for Radiated Spurio | us - Restricted Band Emissions | |
|--------------------------|--|--------------------------------|--------------|
| Antenna: | KP Performance KPPA-5GHZHV4P65- 17 X4 | Variant: | 802.11n ac20 |
| Antenna Gain (dBi): | 17.30 | Modulation: | OFDM |
| Beam Forming Gain (Y): | Not Applicable | Duty Cycle (%): | 99 |
| Channel Frequency (MHz): | 5240.00 | Data Rate: | 6.50 MBit/s |
| Power Setting: | 0x08 | Tested By: | JMH |

Test Measurement Results

| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|------------|--|-------------|---------------|-----------|-----------------|---------------------|-----------|-----------|------------|-----------------|--------------|---------------|
| #1 | 5231.86 | 74.49 | 3.63 | -11.39 | 66.73 | Fundamental | Vertical | 151 | 1 | | | |
| Test Not | tes: EUT A5c | SN: 2118 | 161852 o | n 150cm 1 | able conn | ected to KPPA a | ntenna po | owered by | Mimosa | POE PS 5 | 02-00002 | . 5G |
| notch filt | notch filter added in front of amp to prevent overload | | | | | | | | | | | |



Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:16 of 71

| · · · | ment Configuration for Radiated Spurio | | |
|--------------------------|--|-----------------|---------------|
| Antenna: | KP Performance KPPA-5GHZHV4P65- 17 X4 | Variant: | 802.11n HT-20 |
| Antenna Gain (dBi): | Not Applicable | Modulation: | OFDM |
| Beam Forming Gain (Y): | Not Applicable | Duty Cycle (%): | 99 |
| Channel Frequency (MHz): | 5745.00 | Data Rate: | 6.50 MBit/s |
| Power Setting: | 0x08 | Tested By: | JMH |

Test Measurement Results

| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|-----|---|-------------|---------------|--------|-----------------|---------------------|------------|-----------|------------|-----------------|--------------|---------------|
| #1 | 5711.86 | 62.07 | 3.83 | -10.77 | 55.13 | Fundamental | Vertical | 151 | 0 | | | |
| #2 | 6250.27 | 52.51 | 3.93 | -8.57 | 47.87 | Peak (NRB) | Horizontal | 151 | 0 | | | Pass |
| | Test Notes: EUT A5c SN: 2118161852 on 150cm table connected to KPPA antenna powered by Mimosa POE PS 502-00002. 5G notch filter added in front of amp to prevent overload | | | | | | | | | | | |



Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:17 of 71

| | ment Configuration for Radiated Spurio | | | | | | | | | |
|--|---|-----------------|---------------|--|--|--|--|--|--|--|
| Antenna: | KP Performance KPPA-5GHZHV4P65- 17 X4 | Variant: | 802.11n HT-20 | | | | | | | |
| Antenna Gain (dBi): Not Applicable Modulation: OFDM | | | | | | | | | | |
| Beam Forming Gain (Y): | Not Applicable | Duty Cycle (%): | 99 | | | | | | | |
| Channel Frequency (MHz): | Channel Frequency (MHz): 5785.00 Data Rate: 6.50 MBit/s | | | | | | | | | |
| Power Setting: 0x07 Tested By: JMH | | | | | | | | | | |

Test Measurement Results

| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|-----|---|-------------|---------------|--------|-----------------|---------------------|------------|-----------|------------|-----------------|--------------|---------------|
| #1 | 5786.32 | 56.25 | 3.79 | -10.44 | 49.60 | Fundamental | Vertical | 151 | 1 | | | |
| #2 | 6227.61 | 55.24 | 3.91 | -8.72 | 50.43 | Peak (NRB) | Horizontal | 151 | 1 | | | Pass |
| | Test Notes: EUT A5c SN: 2118161852 on 150cm table connected to KPPA antenna powered by Mimosa POE PS 502-00002. 5G notch filter added in front of amp to prevent overload | | | | | | | | | | | |



Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:18 of 71

| · · · | ment Configuration for Radiated Spurio | | | | | | | |
|---|--|-----------------|---------------|--|--|--|--|--|
| Antenna: | KP Performance KPPA-5GHZHV4P65- 17 X4 | Variant: | 802.11n HT-20 | | | | | |
| Antenna Gain (dBi): | | Modulation: | OFDM | | | | | |
| Beam Forming Gain (Y): | Not Applicable | Duty Cycle (%): | 99 | | | | | |
| Channel Frequency (MHz): 5825.00 Data Rate: 6.50 MBit/s | | | | | | | | |
| Power Setting: | 0x07 | Tested By: | JMH | | | | | |

Test Measurement Results

| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|---|------------------|-------------|---------------|--------|-----------------|---------------------|------------|-----------|------------|-----------------|--------------|---------------|
| #1 | 5816.80 | 57.85 | 3.82 | -10.29 | 51.38 | Fundamental | Vertical | 151 | 1 | | | |
| #2 | 6219.21 | 51.27 | 3.92 | -8.78 | 46.41 | Peak (NRB) | Horizontal | 151 | 1 | | | Pass |
| #3 | 6233.96 | 53.11 | 3.91 | -8.68 | 48.34 | Peak (NRB) | Horizontal | 151 | 1 | | | Pass |
| Test Notes: EUT A5c SN: 2118161852 on 150cm table connected to KPPA antenna powered by Mimosa POE PS 502-00002. 5G notch filter added in front of amp to prevent overload | | | | | | | | | | | | |



Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:19 of 71

2.1.2. Restricted Band-Edge Emissions

2.1.2.3. A-18

RESULTS SUMMARY FOR RADIATED BAND-EDGE EMISSIONS

5150 - 5250 MHz

| A- | 18 | Band-Edge Freq | Limit 74.0dBµV/m | Limit 54.0dBµV/m | Power Setting | |
|------------------|------------------------------|----------------|------------------|------------------|---------------|--|
| Operational Mode | Operating Frequency (MHz) | MHz | dBµV/m | dBµV/m | Fower Setting | |
| 802.11ac-80 | 5210.00 | 5150.00 | 67.05 | 52.75 | 0x14 | |
| 802.11n ac20 | 5165.00 | 5150.00 | 64.25 | 50.79 | 0x16 | |
| 802.11n ac40 | 5175.00 | 5150.00 | 66.87 | 53.82 | 0x14 | |

5725 - 5850 MHz

| | PA-5GHZHV4P65-17 4 | Band-Edge Freq | Limit 68.23dBµV/m | Limit 78.23dBµV/m | Power Setting |
|------------------|------------------------------|----------------|-------------------|-------------------|---------------|
| Operational Mode | Operating Frequency (MHz) | MHz | dBµV/m | dBµV/m | Power Setting |
| 802.11ac-80 | 5775.00 | 5725.00 | 58.20 | 59.69 | 0x15 |
| 802.11n ac20 | 5745.00 | 5725.00 | 56.01 | 58.53 | 0x16 |
| 802.11n ac40 | 5755.00 | 5725.00 | 59.40 | 61.63 | 0x15 |

5725 - 5850 MHz

| | PA-5GHZHV4P65-17 4 | Band-Edge Freq | Limit 78.2dBµV/m | Limit 68.2dBµV/m | Power Setting | |
|------------------|------------------------------|-----------------|------------------|------------------|---------------|--|
| Operational Mode | Operating Frequency (MHz) | MHz | dBµV/m | dBµV/m | Fower Setting | |
| 802.11ac-80 | 5775.00 | 5775.00 5850.00 | | 54.55 | 0x15 | |
| 802.11n ac20 | 5825.00 | 5850.00 | 55.02 | 55.04 | 0x16 | |
| 802.11n ac40 | 02.11n ac40 5795.00 | | 55.02 | 54.55 | 0x15 | |

Click on the links to view the data.



Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:20 of 71

| Εqι | ipment Configuration for Rest | tricted Lower Band-Edge Emissions | | | | | | | | |
|---|-------------------------------|-----------------------------------|--------------|--|--|--|--|--|--|--|
| Antenna: | A-18 | Variant: | 802.11ac-80 | | | | | | | |
| Antenna Gain (dBi): 8.00 Modulation: OFDM | | | | | | | | | | |
| Beam Forming Gain (Y): | Not Applicable | Duty Cycle (%): | 99 | | | | | | | |
| Channel Frequency (MHz): | 5210.00 | Data Rate: | 29.30 MBit/s | | | | | | | |
| Power Setting: | 0x14 | Tested By: | JMH | | | | | | | |

Test Measurement Results

| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|-----|---|-------------|---------------|-------|-----------------|---------------------|----------|--------|------------|-----------------|--------------|---------------|
| #1 | 5147.14 | 14.96 | 3.68 | 34.11 | 52.75 | Max Avg | Vertical | 200 | 71 | 54.0 | -1.3 | Pass |
| #2 | 5147.55 | 29.26 | 3.68 | 34.11 | 67.05 | Max Peak | Vertical | 200 | 71 | 74.0 | -7.0 | Pass |
| #3 | 5150.00 | | | | | Restricted- Band | | | | | | |
| | Test Notes: EUT A5-18 SN: 2119591877 on 150cm table connected to KPPA antenna powered by Mimosa POE PS 502-00002. Power Reduction to meet band edge limits | | | | | | | | | | | |



Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:21 of 71

| Equi | pment Configuration for Restric | cted Lower Band-Edge Emissions | | | | | | | | | |
|--------------------------|---|--------------------------------|--------------|--|--|--|--|--|--|--|--|
| Antenna: | A-18 | Variant: | 802.11n ac20 | | | | | | | | |
| Antenna Gain (dBi): | Antenna Gain (dBi): 8.00 Modulation: OFDM | | | | | | | | | | |
| Beam Forming Gain (Y): | Not Applicable | Duty Cycle (%): | 99 | | | | | | | | |
| Channel Frequency (MHz): | Channel Frequency (MHz): 5165.00 Data Rate: 6.50 MBit/s | | | | | | | | | | |
| Power Setting: | 0x16 | Tested By: | JMH | | | | | | | | |

Test Measurement Results

| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|-----|---|-------------|---------------|-------|-----------------|---------------------|----------|--------|------------|-----------------|--------------|---------------|
| #1 | 5143.89 | 26.43 | 3.70 | 34.12 | 64.25 | Max Peak | Vertical | 200 | 71 | 74.0 | -9.8 | Pass |
| #2 | 5150.00 | 13.01 | 3.67 | 34.11 | 50.79 | Max Avg | Vertical | 200 | 71 | 54.0 | -3.2 | Pass |
| #3 | 5150.00 | | | | | Restricted- Band | | | | | | |
| | Test Notes: EUT A5c SN: 2118161852 on 150cm table connected to KPPA antenna powered by Mimosa POE PS 502-00002. 5G notch filter added in front of amp to prevent overload | | | | | | | | | | | |



Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:22 of 71

| Equi | pment Configuration for Restric | cted Lower Band-Edge Emissions | |
|--------------------------|---------------------------------|--------------------------------|--------------|
| Antenna: | A-18 | Variant: | 802.11n ac40 |
| Antenna Gain (dBi): | 8.00 | Modulation: | OFDM |
| Beam Forming Gain (Y): | Not Applicable | Duty Cycle (%): | 99 |
| Channel Frequency (MHz): | 5175.00 | Data Rate: | 13.50 MBit/s |
| Power Setting: | 0x14 | Tested By: | JMH |

Test Measurement Results

| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|-----|---|-------------|---------------|-------|-----------------|---------------------|----------|--------|------------|-----------------|--------------|---------------|
| #1 | 5147.24 | 29.08 | 3.68 | 34.11 | 66.87 | Max Peak | Vertical | 200 | 71 | 74.0 | -7.1 | Pass |
| #2 | 5148.05 | 16.03 | 3.68 | 34.11 | 53.82 | Max Avg | Vertical | 200 | 71 | 54.0 | -0.2 | Pass |
| #3 | 5150.00 | | | | | Restricted- Band | | | | | | |
| | Test Notes: EUT A5-18 SN: 2119591877 on 150cm table connected to KPPA antenna powered by Mimosa POE PS 502-00002. Power reduction to meet band edge limit. | | | | | | | | | | |)2. |



Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:23 of 71

| Equi | pment Configuration for 5725 | MHz Radiated Band-Edge Emission | S |
|--------------------------|------------------------------|---------------------------------|--------------|
| Antenna: | A-18 | Variant: | 802.11ac-80 |
| Antenna Gain (dBi): | Not Applicable | Modulation: | OFDM |
| Beam Forming Gain (Y): | Not Applicable | Duty Cycle (%): | 99 |
| Channel Frequency (MHz): | 5775.00 | Data Rate: | 29.30 MBit/s |
| Power Setting: | 0x15 | Tested By: | JMH |

Test Measurement Results

| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|----------|--|-------------|---------------|-------|-----------------|---------------------|----------|--------|------------|-----------------|--------------|---------------|
| #1 | 5714.03 | 20.04 | 3.82 | 34.34 | 58.20 | Max Avg | Vertical | 200 | 103 | 68.2 | -10.0 | Pass |
| #2 | 5725.00 | 21.55 | 3.79 | 34.35 | 59.69 | Max Avg | Vertical | 200 | 103 | 78.2 | -18.5 | Pass |
| #3 | 5725.00 | | | | | Band-Edge | | | | | | |
| Test Not | Test Notes: EUT A5-18 SN: 2119591877 on 150cm table, powered by Mimosa POE PS 502-00002. | | | | | | | | | | | |



Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:24 of 71

Equipment Configuration for 5725 MHz Radiated Band-Edge Emissions

| Antenna: | A-18 | Variant: | 802.11n ac20 |
|--------------------------|----------------|-----------------|--------------|
| Antenna Gain (dBi): | Not Applicable | Modulation: | OFDM |
| Beam Forming Gain (Y): | Not Applicable | Duty Cycle (%): | 99 |
| Channel Frequency (MHz): | 5745.00 | Data Rate: | 6.50 MBit/s |
| Power Setting: | 0x16 | Tested By: | JMH |

Test Measurement Results

| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|----------|--|-------------|---------------|-------|-----------------|---------------------|----------|--------|------------|-----------------|--------------|---------------|
| #1 | 5715.00 | 17.86 | 3.81 | 34.34 | 56.01 | Max Avg | Vertical | 200 | 103 | 68.2 | -12.2 | Pass |
| #2 | 5725.00 | 20.39 | 3.79 | 34.35 | 58.53 | Max Avg | Vertical | 200 | 103 | 78.2 | -19.7 | Pass |
| #3 | 5725.00 | | | | | Band-Edge | | | | | | |
| Test Not | Test Notes: EUT A5-18 SN: 2119591877 on 150cm table, powered by Mimosa POE PS 502-00002. | | | | | | | | | | | |



Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:25 of 71

| Equip | ment Configuration for 5725 MI | Hz Radiated Band-Edge Emissions | |
|--------------------------|--------------------------------|---------------------------------|--------------|
| Antenna: | A5-18 | Variant: | 802.11n ac40 |
| Antenna Gain (dBi): | Not Applicable | Modulation: | OFDM |
| Beam Forming Gain (Y): | Not Applicable | Duty Cycle (%): | 99 |
| Channel Frequency (MHz): | 5755.00 | Data Rate: | 13.50 MBit/s |
| Power Setting: | 0x15 | Tested By: | JMH |

Test Measurement Results

| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|----------|--|-------------|---------------|-------|-----------------|---------------------|----------|--------|------------|-----------------|--------------|---------------|
| #1 | 5715.00 | 21.25 | 3.81 | 34.34 | 59.40 | Max Avg | Vertical | 200 | 103 | 68.2 | -8.8 | Pass |
| #2 | 5725.00 | 23.49 | 3.79 | 34.35 | 61.63 | Max Avg | Vertical | 200 | 103 | 78.2 | -16.6 | Pass |
| #3 | 5725.00 | | | | | Band-Edge | | | | | | |
| Test Not | Test Notes: EUT A5-18 SN: 2119591877 on 150cm table, powered by Mimosa POE PS 502-00002. | | | | | | | | | | | |



Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:26 of 71

| Equi | pment Configuration for 5850 | MHz Radiated Band-Edge Emission | S |
|--------------------------|------------------------------|---------------------------------|--------------|
| Antenna: | A5-18 | Variant: | 802.11ac-80 |
| Antenna Gain (dBi): | Not Applicable | Modulation: | OFDM |
| Beam Forming Gain (Y): | Not Applicable | Duty Cycle (%): | 99 |
| Channel Frequency (MHz): | 5775.00 | Data Rate: | 29.30 MBit/s |
| Power Setting: | 0x15 | Tested By: | JMH |

Test Measurement Results

| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|----------|--|-------------|---------------|-------|-----------------|---------------------|----------|--------|------------|-----------------|--------------|---------------|
| #1 | 5850.00 | 16.58 | 3.81 | 34.63 | 55.02 | Max Avg | Vertical | 200 | 108 | 78.2 | -23.2 | Pass |
| #3 | 5860.00 | 16.04 | 3.86 | 34.65 | 54.55 | Max Avg | Vertical | 200 | 108 | 68.2 | -13.7 | Pass |
| #2 | 5850.00 | | | | | Band-Edge | | | | | | |
| Test Not | Test Notes: EUT A5-18 SN: 2119591877 on 150cm table, powered by Mimosa POE PS 502-00002. | | | | | | | | | | | |



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| Equip | ment Configuration for 5850 MI | Hz Radiated Band-Edge Emissions | |
|--------------------------|--------------------------------|---------------------------------|---------------|
| Antenna: | A5-18 | Variant: | 802.11n HT-20 |
| Antenna Gain (dBi): | Not Applicable | Modulation: | OFDM |
| Beam Forming Gain (Y): | Not Applicable | Duty Cycle (%): | 99 |
| Channel Frequency (MHz): | 5825.00 | Data Rate: | 6.50 MBit/s |
| Power Setting: | 0x15 | Tested By: | JMH |

Test Measurement Results

| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|----------|--|-------------|---------------|-------|-----------------|---------------------|----------|--------|------------|-----------------|--------------|---------------|
| #1 | 5850.00 | 16.58 | 3.81 | 34.63 | 55.02 | Max Avg | Vertical | 200 | 108 | 78.2 | -23.2 | Pass |
| #3 | 5860.00 | 16.53 | 3.86 | 34.65 | 55.04 | Max Avg | Vertical | 200 | 108 | 68.2 | -13.2 | Pass |
| #2 | 5850.00 | | | | | Band-Edge | | | | | | |
| Test Not | Test Notes: EUT A5-18 SN: 2119591877 on 150cm table, powered by Mimosa POE PS 502-00002. | | | | | | | | | | | |



Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:28 of 71

| Equip | Equipment Configuration for 5850 MHz Radiated Band-Edge Emissions | | | | | | | | |
|--------------------------|---|-----------------|---------------|--|--|--|--|--|--|
| Antenna: | A5-18 | Variant: | 802.11n HT-40 | | | | | | |
| Antenna Gain (dBi): | Not Applicable | Modulation: | OFDM | | | | | | |
| Beam Forming Gain (Y): | Not Applicable | Duty Cycle (%): | 99 | | | | | | |
| Channel Frequency (MHz): | 5795.00 | Data Rate: | 13.50 MBit/s | | | | | | |
| Power Setting: | 0x15 | Tested By: | JMH | | | | | | |

Test Measurement Results

| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|----------|------------------|-------------|---------------|----------|-----------------|---------------------|----------|-----------|------------|-----------------|--------------|---------------|
| #1 | 5850.00 | 16.58 | 3.81 | 34.63 | 55.02 | Max Avg | Vertical | 200 | 108 | 78.2 | -23.2 | Pass |
| #3 | 5860.00 | 16.04 | 3.86 | 34.65 | 54.55 | Max Avg | Vertical | 200 | 108 | 68.2 | -13.7 | Pass |
| #2 | 5850.00 | | | | | Band-Edge | | | | | | |
| Test Not | tes: EUT A5-1 | 8 SN: 21 | 19591877 | on 150cr | n table, po | wered by Mimos | a POE PS | S 502-000 | 02. | | | |



2.1.2.4. KP Performance KPPA-5GHZHV4P65-17 X4

RESULTS SUMMARY FOR RADIATED BAND-EDGE EMISSIONS

5150 - 5250 MHz

| | PA-5GHZHV4P65-17 4 | Band-Edge Freq | Limit 74.0dBµV/m | Limit 54.0dBµV/m | Power Setting | |
|------------------|------------------------------|----------------|------------------|------------------|---------------|--|
| Operational Mode | Operating Frequency (MHz) | MHz | dBµV/m | dBµV/m | rower Setting | |
| 802.11ac-80 | 5210.00 | 5150.00 | 69.62 | 52.85 | 0x07 | |
| 802.11n ac20 | 5165.00 | 5150.00 | 61.48 | 48.79 | 0x08 | |
| 802.11n ac40 | 5175.00 | 5150.00 | 68.38 | 52.75 | 0x05 | |

5725 - 5850 MHz

| | PA-5GHZHV4P65-17 4 | Band-Edge Freq | Limit 68.2dBµV/m | Limit 78.2dBµV/m | Power Setting |
|------------------|------------------------------|----------------|------------------|------------------|---------------|
| Operational Mode | Operating Frequency (MHz) | MHz | dBµV/m | dBµV/m | Power Setting |
| 802.11ac-80 | 5775.00 | 0.00 | 55.13 | 56.02 | 0x07 |
| 802.11n ac20 | 5745.00 | 0.00 | 55.71 | 56.71 | 0x08 |
| 802.11n ac40 | 5755.00 | 0.00 | 56.61 | 58.28 | 0x07 |

5725 - 5850 MHz

| | PA-5GHZHV4P65-17 4 | Band-Edge Freq | Limit 78.2dBµV/m | Limit 68.2dBµV/m | Power Setting | |
|------------------|------------------------------|----------------|------------------|------------------|---------------|--|
| Operational Mode | Operating Frequency (MHz) | MHz | dBµV/m | dBµV/m | Fower Setting | |
| 802.11ac-80 | 5775.00 | 0.00 | 52.86 | 52.23 | 0x07 | |
| 802.11n ac20 | 5825.00 | 0.00 | 54.04 | 54.08 | 0x07 | |
| 802.11n ac40 | 5795.00 | 0.00 | 53.39 | 52.72 | 0x07 | |

Click on the links to view the data.



Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:30 of 71

| E | Equipment Configuration for Restricted Lower Band-Edge Emissions | | | | | | | | | |
|--------------------------|--|-----------------|--------------|--|--|--|--|--|--|--|
| Antenna: | KP Performance KPPA- 5GHZHV4P65-17 X4 | Variant: | 802.11ac-80 | | | | | | | |
| Antenna Gain (dBi): | Not Applicable | Modulation: | OFDM | | | | | | | |
| Beam Forming Gain (Y): | Not Applicable | Duty Cycle (%): | 99 | | | | | | | |
| Channel Frequency (MHz): | 5210.00 | Data Rate: | 29.30 MBit/s | | | | | | | |
| Power Setting: | 0x07 | Tested By: | JMH | | | | | | | |

Test Measurement Results

| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|----------|---|-------------|---------------|-------|-----------------|---------------------|----------|--------|------------|-----------------|--------------|---------------|
| #1 | 5147.01 | 31.83 | 3.68 | 34.11 | 69.62 | Max Peak | Vertical | 164 | 358 | 74.0 | -4.4 | Pass |
| #2 | 5147.67 | 15.06 | 3.68 | 34.11 | 52.85 | Max Avg | Vertical | 164 | 358 | 54.0 | -1.2 | Pass |
| #3 | 5150.00 | | | | | Restricted- Band | | | | | | |
| Test Not | Test Notes: EUT A5c SN: 2118161852 on 150cm table connected to KPPA antenna powered by Mimosa POE PS 502-00002. | | | | | | | | | | | |

Power reduction to meet band edge limit



Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:31 of 71

| Equipment Configuration for Restricted Lower Band-Edge Emissions | | | | | | | | |
|--|--|-----------------|--------------|--|--|--|--|--|
| Antenna: | KP Performance KPPA-5GHZHV4P65- 17 X4 | Variant: | 802.11n ac20 | | | | | |
| Antenna Gain (dBi): | 17.30 | Modulation: | OFDM | | | | | |
| Beam Forming Gain (Y): | Not Applicable | Duty Cycle (%): | 99 | | | | | |
| Channel Frequency (MHz): | 5165.00 | Data Rate: | 6.50 MBit/s | | | | | |
| Power Setting: | 0x08 | Tested Bv: | JMH | | | | | |

Test Measurement Results

| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|----------|---|-------------|---------------|-------|-----------------|---------------------|----------|--------|------------|-----------------|--------------|---------------|
| #1 | 5145.79 | 23.68 | 3.69 | 34.11 | 61.48 | Max Peak | Vertical | 164 | 358 | 74.0 | -12.5 | Pass |
| #2 | 5150.00 | 11.01 | 3.67 | 34.11 | 48.79 | Max Avg | Vertical | 164 | 358 | 54.0 | -5.2 | Pass |
| #3 | 5150.00 | | | | | Restricted- Band | | | | | | |
| Test Not | Test Notes: EUT A5c SN: 2118161852 on 150cm table connected to KPPA antenna powered by Mimosa POE PS 502-00002. | | | | | | | | | | | |

Correction factor includes .9 dB addition for connecting cables



Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:32 of 71

| Equipment Configuration for Restricted Lower Band-Edge Emissions | | | | | | | | |
|--|--|-----------------|--------------|--|--|--|--|--|
| Antenna: | KP Performance KPPA-5GHZHV4P65- 17 X4 | Variant: | 802.11n ac40 | | | | | |
| Antenna Gain (dBi): | Not Applicable | Modulation: | OFDM | | | | | |
| Beam Forming Gain (Y): | Not Applicable | Duty Cycle (%): | 99 | | | | | |
| Channel Frequency (MHz): | 5175.00 | Data Rate: | 13.50 MBit/s | | | | | |
| Power Setting: | 0x05 | Tested By: | JMH | | | | | |

Test Measurement Results

| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|----------|--|-------------|---------------|-------|-----------------|---------------------|----------|--------|------------|-----------------|--------------|---------------|
| #1 | 5150.00 | 14.97 | 3.67 | 34.11 | 52.75 | Max Avg | Vertical | 164 | 358 | 54.0 | -1.3 | Pass |
| #2 | 5150.00 | 30.60 | 3.67 | 34.11 | 68.38 | Max Peak | Vertical | 164 | 358 | 74.0 | -5.6 | Pass |
| #3 | 5150.00 | | | | | Restricted- Band | | | | | | |
| Test Not | est Notes: EUT A5c SN: 2118161852 on 150cm table connected to KPPA antenna powered by Mimosa POE PS 502-00002. | | | | | | | | | | | |

Power reduction to meet band edge limit



Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:33 of 71

| E | quipment Configuration for 5725 MHz | Radiated Band-Edge Emissions | | | | | | | | |
|--------------------------|--|------------------------------|--------------|--|--|--|--|--|--|--|
| | | | | | | | | | | |
| Antenna: | KP Performance KPPA- 5GHZHV4P65-17 X4 | 802.11ac-80 | | | | | | | | |
| Antenna Gain (dBi): | Not Applicable | Modulation: | OFDM | | | | | | | |
| Beam Forming Gain (Y): | Not Applicable | Duty Cycle (%): | 99 | | | | | | | |
| Channel Frequency (MHz): | 5775.00 | Data Rate: | 29.30 MBit/s | | | | | | | |
| Power Setting: | 0x07 | Tested By: | JMH | | | | | | | |

Test Measurement Results

| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|---------|--|-------------|---------------|-------|-----------------|---------------------|------------|-----------|------------|-----------------|--------------|---------------|
| #1 | 5699.00 | 16.94 | 3.86 | 34.33 | 55.13 | Max Avg | Horizontal | 164 | 362 | 68.2 | -13.1 | Pass |
| #2 | 5719.91 | 17.87 | 3.80 | 34.35 | 56.02 | Max Avg | Horizontal | 164 | 362 | 78.2 | -22.2 | Pass |
| #3 | 5725.00 | | | | | Band-Edge | | | | | | |
| Test No | Test Notes: EUT A5c SN: 2118161852 on 150cm table connected to KPPA antenna powered by Mimosa POE PS 502-00002 | | | | | | | | | | | |



Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:34 of 71

| Equipment Configuration for 5725 MHz Radiated Band-Edge Emissions | | | | | | | | | |
|---|--|-----------------|--------------|--|--|--|--|--|--|
| Antenna: | KP Performance KPPA-5GHZHV4P65- 17 X4 | Variant: | 802.11n ac20 | | | | | | |
| Antenna Gain (dBi): | Not Applicable | Modulation: | OFDM | | | | | | |
| Beam Forming Gain (Y): | Not Applicable | Duty Cycle (%): | 99 | | | | | | |
| Channel Frequency (MHz): | 5745.00 | Data Rate: | 6.50 MBit/s | | | | | | |
| Power Setting: | 0x08 | Tested By: | JMH | | | | | | |

Test Measurement Results

| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|---------|--|-------------|---------------|-------|-----------------|---------------------|------------|-----------|------------|-----------------|--------------|---------------|
| #1 | 5715.00 | 17.62 | 3.81 | 34.34 | 55.77 | Max Avg | Horizontal | 164 | 362 | 68.2 | -12.5 | Pass |
| #2 | 5725.00 | 18.57 | 3.79 | 34.35 | 56.71 | Max Avg | Horizontal | 164 | 362 | 78.2 | -21.5 | Pass |
| #3 | 5725.00 | | | | | Band-Edge | | | | | | |
| Test No | Test Notes: EUT A5c SN: 2118161852 on 150cm table connected to KPPA antenna powered by Mimosa POE PS 502-00002 | | | | | | | | | | | |



Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:35 of 71

| Equipment Configuration for 5725 MHz Radiated Band-Edge Emissions | | | | | | | | | |
|---|--|-----------------|--------------|--|--|--|--|--|--|
| Antenna: | KP Performance KPPA-5GHZHV4P65- 17 X4 | Variant: | 802.11n ac40 | | | | | | |
| Antenna Gain (dBi): | Not Applicable | Modulation: | OFDM | | | | | | |
| Beam Forming Gain (Y): | Not Applicable | Duty Cycle (%): | 99 | | | | | | |
| Channel Frequency (MHz): | 5755.00 | Data Rate: | 13.50 MBit/s | | | | | | |
| Power Setting: | 0x07 | Tested By: | JMH | | | | | | |

Test Measurement Results

| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|---------|--|-------------|---------------|-------|-----------------|---------------------|------------|-----------|------------|-----------------|--------------|---------------|
| #1 | 5715.00 | 18.46 | 3.81 | 34.34 | 56.61 | Max Avg | Horizontal | 164 | 362 | 68.2 | -11.6 | Pass |
| #2 | 5719.67 | 20.13 | 3.80 | 34.35 | 58.28 | Max Avg | Horizontal | 164 | 362 | 78.2 | -20.0 | Pass |
| #3 | 5725.00 | | | | | Band-Edge | | | | | | |
| Test No | Test Notes: EUT A5c SN: 2118161852 on 150cm table connected to KPPA antenna powered by Mimosa POE PS 502-00002 | | | | | | | | | | | |



Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:36 of 71

| Equipment Configuration for 5850 MHz Radiated Band-Edge Emissions | | | | | | | | | | |
|---|--|-----------------|--------------|--|--|--|--|--|--|--|
| | | | | | | | | | | |
| Antenna: | KP Performance KPPA- 5GHZHV4P65-17 X4 | Variant: | 802.11ac-80 | | | | | | | |
| Antenna Gain (dBi): | Not Applicable | Modulation: | OFDM | | | | | | | |
| Beam Forming Gain (Y): | Not Applicable | Duty Cycle (%): | 99 | | | | | | | |
| Channel Frequency (MHz): | 5775.00 | Data Rate: | 29.30 MBit/s | | | | | | | |
| Power Setting: | 0x07 | Tested By: | JMH | | | | | | | |

Test Measurement Results

| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|---------|--|-------------|---------------|-------|-----------------|---------------------|------------|-----------|------------|-----------------|--------------|---------------|
| #2 | 5857.58 | 14.36 | 3.85 | 34.65 | 52.86 | Max Avg | Horizontal | 164 | 362 | 78.2 | -25.4 | Pass |
| #3 | 5867.79 | 13.73 | 3.82 | 34.68 | 52.23 | Max Avg | Horizontal | 164 | 362 | 68.2 | -16.0 | Pass |
| #1 | 5850.00 | | | | | Band-Edge | | | | | | |
| Test No | Test Notes: EUT A5c SN: 2118161852 on 150cm table connected to KPPA antenna powered by Mimosa POE PS 502-00002 | | | | | | | | | | | |



Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:37 of 71

| Eq | uipment Configuration for 5850 MHz Ra | diated Band-Edge Emissions | |
|--------------------------|--|----------------------------|--------------|
| Antenna: | KP Performance KPPA-5GHZHV4P65- 17 X4 | Variant: | 802.11n ac20 |
| Antenna Gain (dBi): | Not Applicable | Modulation: | OFDM |
| Beam Forming Gain (Y): | Not Applicable | Duty Cycle (%): | 99 |
| Channel Frequency (MHz): | 5825.00 | Data Rate: | 6.50 MBit/s |
| Power Setting: | 0x07 | Tested By: | JMH |

Test Measurement Results

| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|--|------------------|-------------|---------------|-------|-----------------|---------------------|------------|-----------|------------|-----------------|--------------|---------------|
| #1 | 5850.00 | 15.60 | 3.81 | 34.63 | 54.04 | Max Avg | Horizontal | 164 | 362 | 78.2 | -24.2 | Pass |
| #3 | 5871.15 | 15.59 | 3.81 | 34.68 | 54.08 | Max Avg | Horizontal | 164 | 362 | 68.2 | -14.2 | Pass |
| #2 | 5850.00 | | | | | Band-Edge | | | | | | |
| Test Notes: EUT A5c SN: 2118161852 on 150cm table connected to KPPA antenna powered by Mimosa POE PS 502-00002 | | | | | | | | | | | | |



Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:38 of 71

| Eq | uipment Configuration for 5850 MHz Ra | diated Band-Edge Emissions | |
|--------------------------|--|----------------------------|--------------|
| Antenna: | KP Performance KPPA-5GHZHV4P65- 17 X4 | Variant: | 802.11n ac40 |
| Antenna Gain (dBi): | Not Applicable | Modulation: | OFDM |
| Beam Forming Gain (Y): | Not Applicable | Duty Cycle (%): | 99 |
| Channel Frequency (MHz): | 5795.00 | Data Rate: | 13.50 MBit/s |
| Power Setting: | 0x07 | Tested By: | JMH |

Test Measurement Results

| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|--|------------------|-------------|---------------|-------|-----------------|---------------------|------------|-----------|------------|-----------------|--------------|---------------|
| #1 | 5850.00 | 14.95 | 3.81 | 34.63 | 53.39 | Max Avg | Horizontal | 164 | 362 | 78.2 | -24.8 | Pass |
| #3 | 5860.00 | 14.21 | 3.86 | 34.65 | 52.72 | Max Avg | Horizontal | 164 | 362 | 68.2 | -15.5 | Pass |
| #2 | 5850.00 | | | | | Band-Edge | | | | | | |
| Test Notes: EUT A5c SN: 2118161852 on 150cm table connected to KPPA antenna powered by Mimosa POE PS 502-00002 | | | | | | | | | | | | |



Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:39 of 71

A. APPENDIX - GRAPHICAL IMAGES

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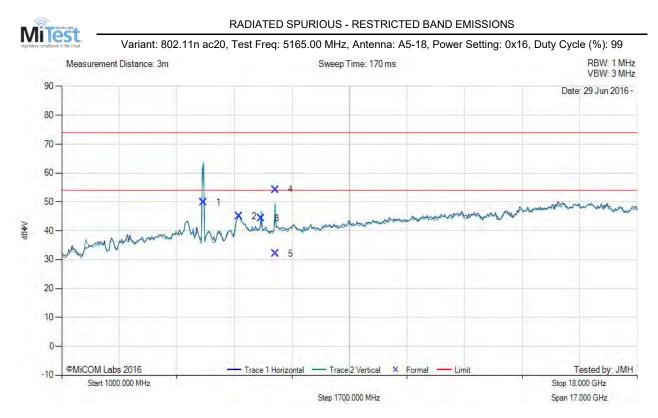


Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:40 of 71

A.1. Radiated

A.1.1. Restricted Band Emissions

A.1.1.1. A5-18



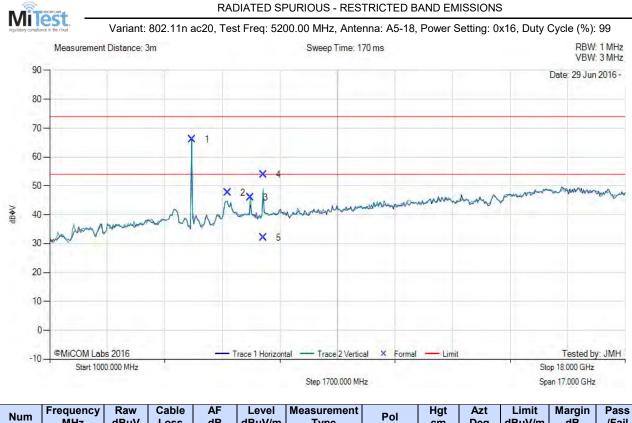
| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|-----|------------------|-------------|---------------|----------|-----------------|---------------------|------------|-----------|------------|-----------------|--------------|---------------|
| 1 | 5178.60 | 57.56 | 3.69 | -11.51 | 49.74 | Fundamental | Vertical | 101 | 160 | | - | |
| 2 | 6235.24 | 49.72 | 3.91 | -8.67 | 44.96 | Peak (NRB) | Horizontal | 154 | 0 | | - | Pass |
| 3 | 6895.92 | 47.72 | 4.12 | -7.56 | 44.28 | Peak (NRB) | Vertical | 199 | 360 | | | Pass |
| 4 | 7310.73 | 57.31 | 4.24 | -7.29 | 54.26 | Max Peak | Vertical | 120 | 324 | 74.0 | -19.7 | Pass |
| 5 | 7310.73 | 35.10 | 4.24 | -7.29 | 32.05 | Max Avg | Vertical | 120 | 324 | 54.0 | -22.0 | Pass |

Test Notes: EUT A5-18 SN: 2119591877 on 150cm table, powered by Mimosa POE PS 502-00002.

back to matrix



Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:41 of 71



| I | Num | MHz | dBµV | Loss | dB | dBµV/m | Type | Pol | cm | Deg | dBµV/m | dB | /Fail |
|---|-----|---------|-------|------|--------|--------|-------------|------------|-----|-----|--------|-------|-------|
| | 1 | 5201.56 | 73.93 | 3.66 | -11.46 | 66.13 | Fundamental | Vertical | 200 | 1 | | - | |
| | 2 | 6249.99 | 52.34 | 3.93 | -8.57 | 47.70 | Peak (NRB) | Horizontal | 200 | 166 | | | Pass |
| | 3 | 6933.18 | 49.38 | 4.11 | -7.49 | 46.00 | Peak (NRB) | Vertical | 200 | 166 | | - | Pass |
| | 4 | 7310.43 | 56.94 | 4.23 | -7.29 | 53.88 | Max Peak | Vertical | 114 | 317 | 74.0 | -20.1 | Pass |
| | 5 | 7310.43 | 35.15 | 4.23 | -7.29 | 32.09 | Max Avg | Vertical | 114 | 317 | 54.0 | -21.9 | Pass |

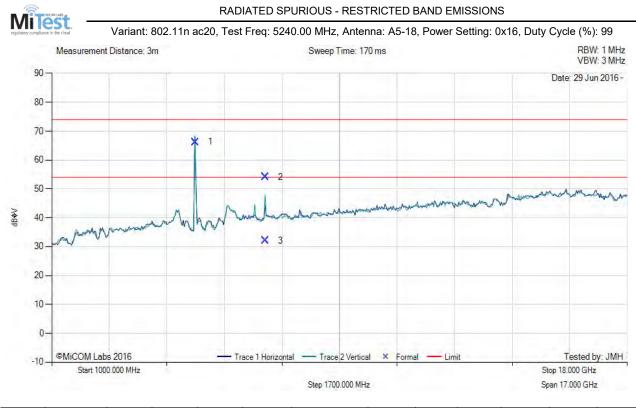
Test Notes: EUT A5-18 SN: 2119591877 on 150cm table, powered by Mimosa POE PS 502-00002.

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| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|-----|------------------|-------------|---------------|----------|-----------------|---------------------|----------|-----------|------------|-----------------|--------------|---------------|
| 1 | 5241.56 | 73.99 | 3.63 | -11.36 | 66.26 | Fundamental | Vertical | 200 | 1 | | | |
| 2 | 7311.88 | 57.18 | 4.24 | -7.29 | 54.13 | Max Peak | Vertical | 182 | 315 | 74.0 | -19.9 | Pass |
| 3 | 7311.88 | 35.06 | 4.24 | -7.29 | 32.01 | Max Avg | Vertical | 182 | 315 | 54.0 | -22.0 | Pass |

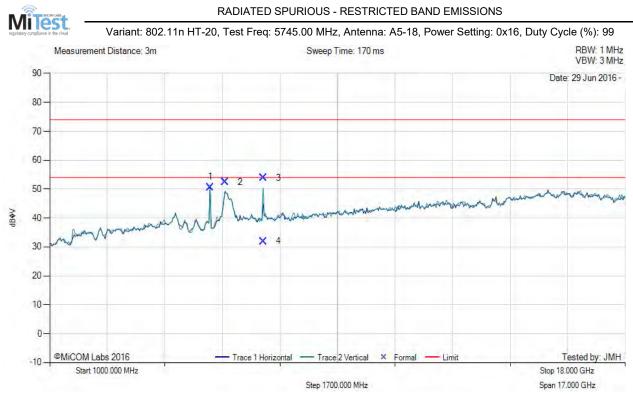
Test Notes: EUT A5-18 SN: 2119591877 on 150cm table, powered by Mimosa POE PS 502-00002.

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| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|-----|------------------|-------------|---------------|----------|-----------------|---------------------|----------|-----------|------------|-----------------|--------------|---------------|
| 1 | 5737.51 | 57.46 | 3.82 | -10.67 | 50.61 | Fundamental | Vertical | 200 | 0 | | | |
| 2 | 6185.05 | 57.59 | 3.91 | -9.01 | 52.49 | Peak (NRB) | Vertical | 200 | 181 | | | Pass |
| 3 | 7312.36 | 56.93 | 4.24 | -7.29 | 53.88 | Max Peak | Vertical | 179 | 315 | 74.0 | -20.1 | Pass |
| 4 | 7312.36 | 34.97 | 4.24 | -7.29 | 31.92 | Max Avg | Vertical | 179 | 315 | 54.0 | -22.1 | Pass |

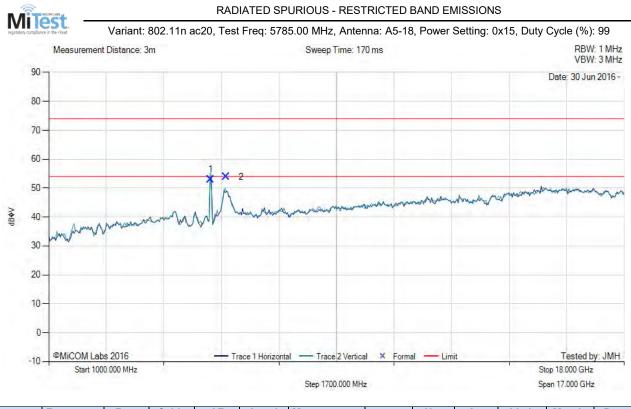
Test Notes: EUT A5-18 SN: 2119591877 on 150cm table, powered by Mimosa POE PS 502-00002.

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| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|-----|------------------|-------------|---------------|----------|-----------------|---------------------|----------|-----------|------------|-----------------|--------------|---------------|
| 1 | 5785.57 | 59.51 | 3.79 | -10.44 | 52.86 | Fundamental | Vertical | 200 | 1 | | | |
| 2 | 6231.12 | 58.66 | 3.91 | -8.70 | 53.87 | Peak (NRB) | Vertical | 200 | 144 | | | Pass |
| | | | | | | | | | | | | |

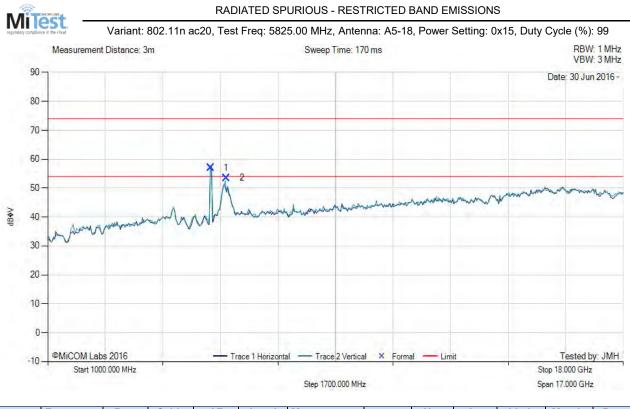
Test Notes: EUT A5-18 SN: 2119591877 on 150cm table, powered by Mimosa POE PS 502-00002.

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Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:45 of 71



| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|-----|------------------|-------------|---------------|----------|-----------------|---------------------|----------|-----------|------------|-----------------|--------------|---------------|
| 1 | 5819.48 | 63.42 | 3.82 | -10.28 | 56.96 | Fundamental | Vertical | 200 | 18 | | | |
| 2 | 6284.07 | 58.09 | 3.92 | -8.47 | 53.54 | Peak (NRB) | Vertical | 200 | 41 | | | Pass |
| | | | | | | | | | | | | |

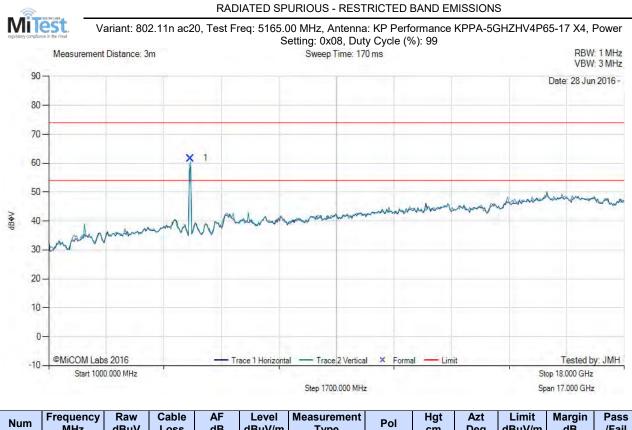
Test Notes: EUT A5-18 SN: 2119591877 on 150cm table, powered by Mimosa POE PS 502-00002.

back to matrix



Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:46 of 71

A.1.1.2. KP Performance KPPA-5GHZHV4P65-17 X4



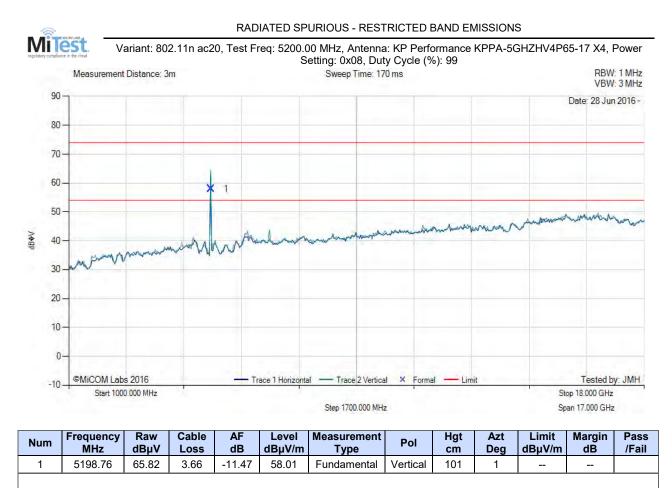
| Num | MHz | dBµV | Loss | dB | dBµV/m | Туре | Pol | cm | Deg | dBµV/m | dB | /Fail |
|-----|---------|-------|------|--------|--------|-------------|----------|-----|-----|--------|----|-------|
| 1 | 5188.02 | 69.48 | 3.68 | -11.49 | 61.67 | Fundamental | Vertical | 151 | 1 | | | |
| | | | | | | | | | | | | |

Test Notes: EUT A5c SN: 2118161852 on 150cm table connected to KPPA antenna powered by Mimosa POE PS 502-00002.5G notch filter added in front of amp to prevent overload

back to matrix



Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:47 of 71

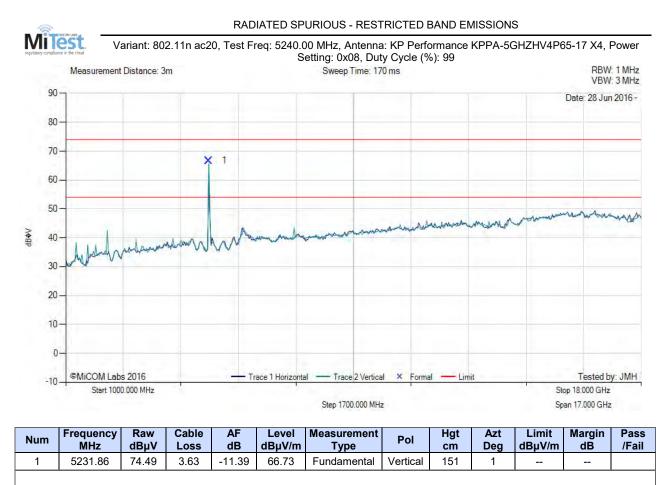


Test Notes: EUT A5c SN: 2118161852 on 150cm table connected to KPPA antenna powered by Mimosa POE PS 502-00002. 5G notch filter added in front of amp to prevent overload

back to matrix



Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:48 of 71



Test Notes: EUT A5c SN: 2118161852 on 150cm table connected to KPPA antenna powered by Mimosa POE PS 502-00002. 5G notch filter added in front of amp to prevent overload

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Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:49 of 71



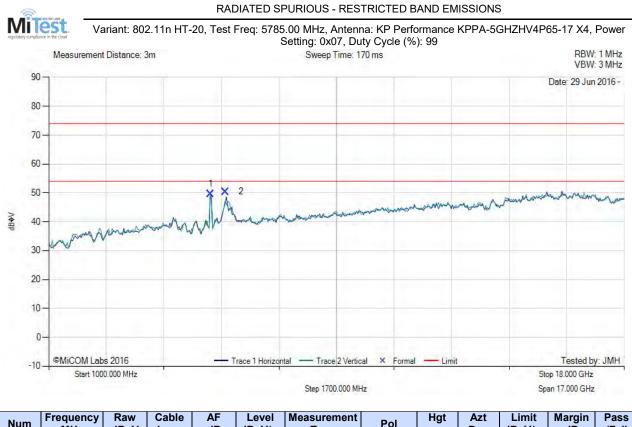
| | Num | MHz | dBµV | Loss | dB | dBµV/m | Туре | Pol | cm | Deg | dBµV/m | dB | /Fail |
|---|-----|---------|-------|------|--------|--------|-------------|------------|-----|-----|--------|----|-------|
| | 1 | 5711.86 | 62.07 | 3.83 | -10.77 | 55.13 | Fundamental | Vertical | 151 | 0 | | - | |
| ſ | 2 | 6250.27 | 52.51 | 3.93 | -8.57 | 47.87 | Peak (NRB) | Horizontal | 151 | 0 | | | Pass |

Test Notes: EUT A5c SN: 2118161852 on 150cm table connected to KPPA antenna powered by Mimosa POE PS 502-00002. 5G notch filter added in front of amp to prevent overload

back to matrix



Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:50 of 71



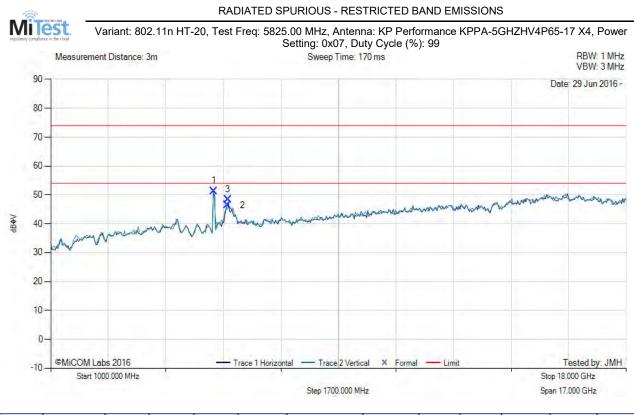
| Num | MHz | dBµV | Loss | dB | dBµV/m | Туре | Pol | cm | Deg | dBµV/m | dB | /Fail |
|-----|---------|-------|------|--------|--------|-------------|------------|-----|-----|--------|----|-------|
| 1 | 5786.32 | 56.25 | 3.79 | -10.44 | 49.60 | Fundamental | Vertical | 151 | 1 | | | |
| 2 | 6227.61 | 55.24 | 3.91 | -8.72 | 50.43 | Peak (NRB) | Horizontal | 151 | 1 | | | Pass |

Test Notes: EUT A5c SN: 2118161852 on 150cm table connected to KPPA antenna powered by Mimosa POE PS 502-00002. 5G notch filter added in front of amp to prevent overload

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Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:51 of 71



| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|-----|------------------|-------------|---------------|----------|-----------------|---------------------|------------|-----------|------------|-----------------|--------------|---------------|
| 1 | 5816.80 | 57.85 | 3.82 | -10.29 | 51.38 | Fundamental | Vertical | 151 | 1 | | | |
| 2 | 6219.21 | 51.27 | 3.92 | -8.78 | 46.41 | Peak (NRB) | Horizontal | 151 | 1 | | | Pass |
| 3 | 6233.96 | 53.11 | 3.91 | -8.68 | 48.34 | Peak (NRB) | Horizontal | 151 | 1 | | | Pass |

Test Notes: EUT A5c SN: 2118161852 on 150cm table connected to KPPA antenna powered by Mimosa POE PS 502-00002. 5G notch filter added in front of amp to prevent overload

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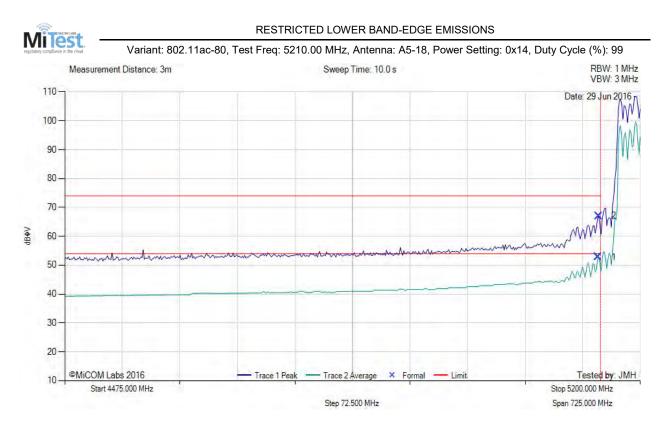
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Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:52 of 71

A.1.2. Restricted Band-Edge Emissions

A.1.2.3. A5-18



| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|-----|------------------|-------------|---------------|----------|-----------------|---------------------|----------|-----------|------------|-----------------|--------------|---------------|
| 1 | 5147.14 | 14.96 | 3.68 | 34.11 | 52.75 | Max Avg | Vertical | 200 | 71 | 54.0 | -1.3 | Pass |
| 2 | 5147.55 | 29.26 | 3.68 | 34.11 | 67.05 | Max Peak | Vertical | 200 | 71 | 74.0 | -7.0 | Pass |
| 3 | 5150.00 | | | | | Restricted- Band | | | | | | |

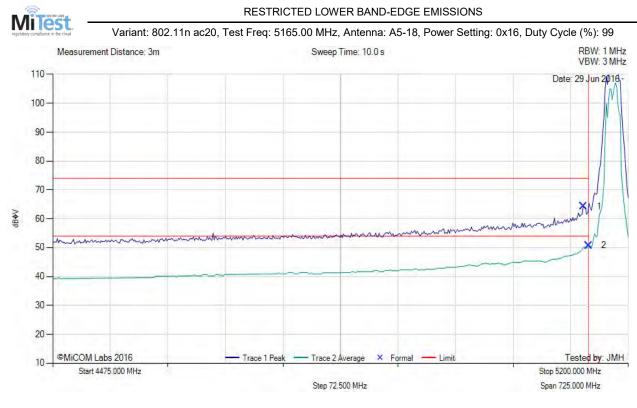
Test Notes: EUT A5-18 SN: 2119591877 on 150cm table connected to KPPA antenna powered by Mimosa POE PS 502-00002. Power Reduction to meet band edge limits

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| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|-----|------------------|-------------|---------------|----------|-----------------|---------------------|----------|-----------|------------|-----------------|--------------|---------------|
| 1 | 5143.89 | 26.43 | 3.70 | 34.12 | 64.25 | Max Peak | Vertical | 200 | 71 | 74.0 | -9.8 | Pass |
| 2 | 5150.00 | 13.01 | 3.67 | 34.11 | 50.79 | Max Avg | Vertical | 200 | 71 | 54.0 | -3.2 | Pass |
| 3 | 5150.00 | | | | | Restricted- Band | | | | | | |

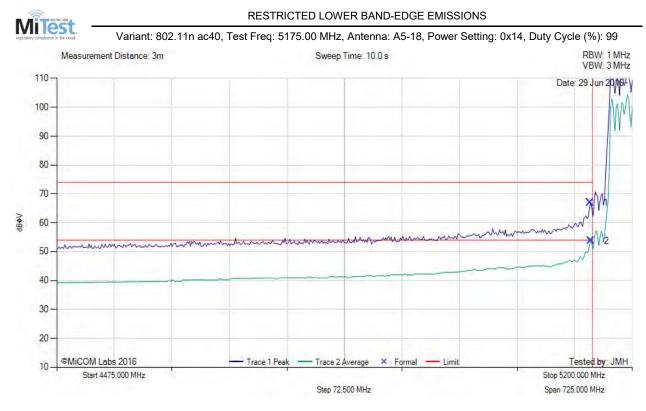
Test Notes: EUT A5c SN: 2118161852 on 150cm table connected to KPPA antenna powered by Mimosa POE PS 502-00002. 5G notch filter added in front of amp to prevent overload

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Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:54 of 71



| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|-----|------------------|-------------|---------------|----------|-----------------|---------------------|----------|-----------|------------|-----------------|--------------|---------------|
| 1 | 5147.24 | 29.08 | 3.68 | 34.11 | 66.87 | Max Peak | Vertical | 200 | 71 | 74.0 | -7.1 | Pass |
| 2 | 5148.05 | 16.03 | 3.68 | 34.11 | 53.82 | Max Avg | Vertical | 200 | 71 | 54.0 | -0.2 | Pass |
| 3 | 5150.00 | | | | | Restricted- Band | | | | | | |

Test Notes: EUT A5-18 SN: 2119591877 on 150cm table connected to KPPA antenna powered by Mimosa POE PS 502-00002. Power reduction to meet band edge limit.

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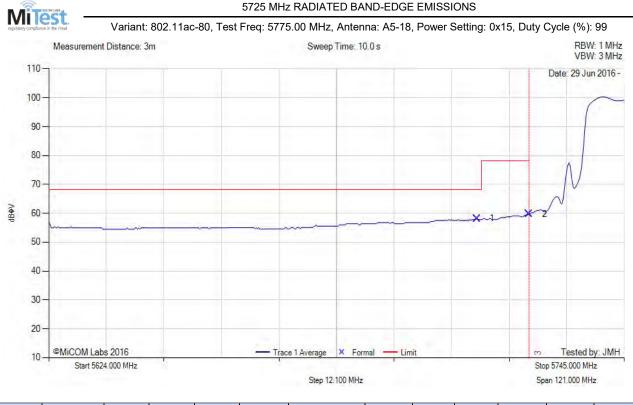
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Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:55 of 71



Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:56 of 71



| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|-----|------------------|-------------|---------------|----------|-----------------|---------------------|----------|-----------|------------|-----------------|--------------|---------------|
| 1 | 5714.03 | 20.04 | 3.82 | 34.34 | 58.20 | Max Avg | Vertical | 200 | 103 | 68.2 | -10.0 | Pass |
| 2 | 5725.00 | 21.55 | 3.79 | 34.35 | 59.69 | Max Avg | Vertical | 200 | 103 | 78.2 | -18.5 | Pass |
| 3 | 5725.00 | | | | | Band-Edge | | | | | | |

Test Notes: EUT A5-18 SN: 2119591877 on 150cm table, powered by Mimosa POE PS 502-00002.

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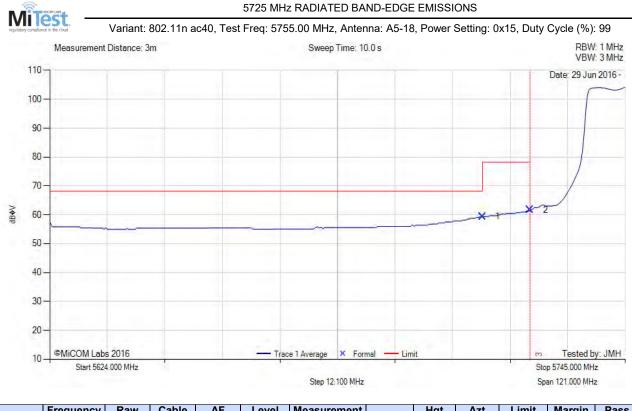
| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|-----|------------------|-------------|---------------|----------|-----------------|---------------------|----------|-----------|------------|-----------------|--------------|---------------|
| 1 | 5715.00 | 17.86 | 3.81 | 34.34 | 56.01 | Max Avg | Vertical | 200 | 103 | 68.2 | -12.2 | Pass |
| 2 | 5725.00 | 20.39 | 3.79 | 34.35 | 58.53 | Max Avg | Vertical | 200 | 103 | 78.2 | -19.7 | Pass |
| 3 | 5725.00 | | | | | Band-Edge | | | | | | |
| | • | | | | | | | | | | | |

Test Notes: EUT A5-18 SN: 2119591877 on 150cm table, powered by Mimosa POE PS 502-00002.

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Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:58 of 71



| | Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|---|-----|------------------|-------------|---------------|----------|-----------------|---------------------|----------|-----------|------------|-----------------|--------------|---------------|
| ſ | 1 | 5715.00 | 21.25 | 3.81 | 34.34 | 59.40 | Max Avg | Vertical | 200 | 103 | 68.2 | -8.8 | Pass |
| ſ | 2 | 5725.00 | 23.49 | 3.79 | 34.35 | 61.63 | Max Avg | Vertical | 200 | 103 | 78.2 | -16.6 | Pass |
| | 3 | 5725.00 | | | | | Band-Edge | | | | | | |
| Е | | | | | | | | | | | | | |

Test Notes: EUT A5-18 SN: 2119591877 on 150cm table, powered by Mimosa POE PS 502-00002.

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Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:59 of 71



| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|-----|------------------|-------------|---------------|----------|-----------------|---------------------|----------|-----------|------------|-----------------|--------------|---------------|
| 1 | 5850.00 | 16.58 | 3.81 | 34.63 | 55.02 | Max Avg | Vertical | 200 | 108 | 78.2 | -23.2 | Pass |
| 3 | 5860.00 | 16.04 | 3.86 | 34.65 | 54.55 | Max Avg | Vertical | 200 | 108 | 68.2 | -13.7 | Pass |
| 2 | 5850.00 | | | | | Band-Edge | | | | | | |
| | | | | | | | | | | | | |

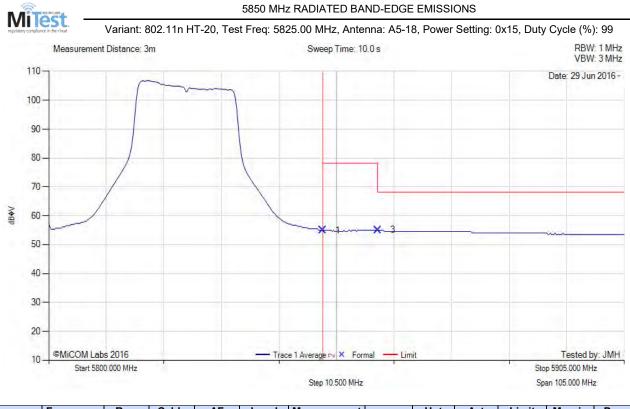
Test Notes: EUT A5-18 SN: 2119591877 on 150cm table, powered by Mimosa POE PS 502-00002.

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| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|-----|------------------|-------------|---------------|----------|-----------------|---------------------|----------|-----------|------------|-----------------|--------------|---------------|
| 1 | 5850.00 | 16.58 | 3.81 | 34.63 | 55.02 | Max Avg | Vertical | 200 | 108 | 78.2 | -23.2 | Pass |
| 3 | 5860.00 | 16.53 | 3.86 | 34.65 | 55.04 | Max Avg | Vertical | 200 | 108 | 68.2 | -13.2 | Pass |
| 2 | 5850.00 | | | | | Band-Edge | | | | | | |

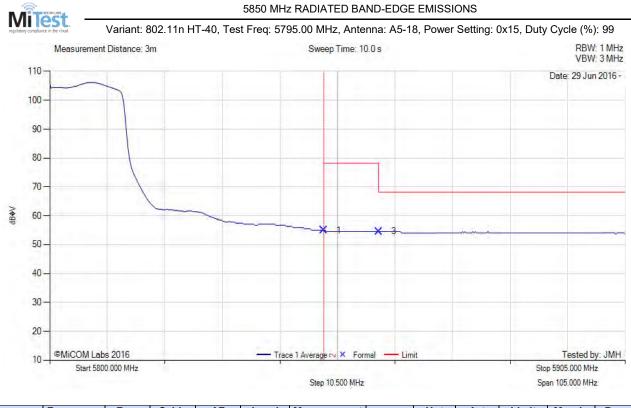
Test Notes: EUT A5-18 SN: 2119591877 on 150cm table, powered by Mimosa POE PS 502-00002.

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| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|-----|------------------|-------------|---------------|----------|-----------------|---------------------|----------|-----------|------------|-----------------|--------------|---------------|
| 1 | 5850.00 | 16.58 | 3.81 | 34.63 | 55.02 | Max Avg | Vertical | 200 | 108 | 78.2 | -23.2 | Pass |
| 3 | 5860.00 | 16.04 | 3.86 | 34.65 | 54.55 | Max Avg | Vertical | 200 | 108 | 68.2 | -13.7 | Pass |
| 2 | 5850.00 | | | | | Band-Edge | | | | | | |

Test Notes: EUT A5-18 SN: 2119591877 on 150cm table, powered by Mimosa POE PS 502-00002.

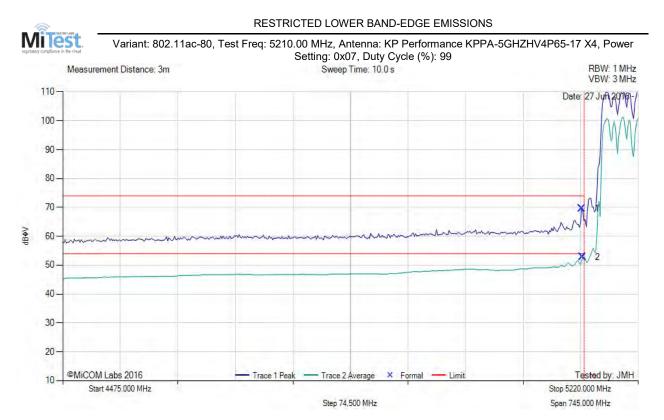
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Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:62 of 71

A.1.2.4. KP Performance KPPA-5GHZHV4P65-17 X4



| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|-----|------------------|-------------|---------------|----------|-----------------|---------------------|----------|-----------|------------|-----------------|--------------|---------------|
| 1 | 5147.01 | 31.83 | 3.68 | 34.11 | 69.62 | Max Peak | Vertical | 164 | 358 | 74.0 | -4.4 | Pass |
| 2 | 5147.67 | 15.06 | 3.68 | 34.11 | 52.85 | Max Avg | Vertical | 164 | 358 | 54.0 | -1.2 | Pass |
| 3 | 5150.00 | | | | | Restricted- Band | | | | | | |

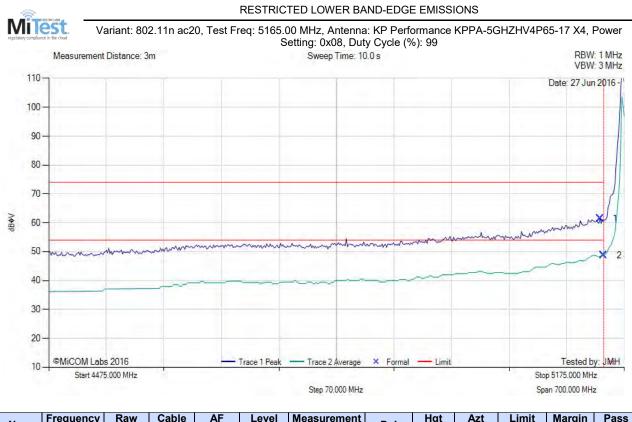
Test Notes: EUT A5c SN: 2118161852 on 150cm table connected to KPPA antenna powered by Mimosa POE PS 502-00002. Power reduction to meet band edge limit

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Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:63 of 71



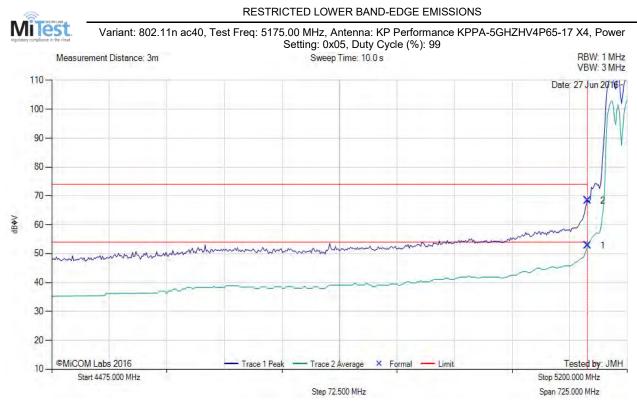
| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|-----|------------------|-------------|---------------|----------|-----------------|---------------------|----------|-----------|------------|-----------------|--------------|---------------|
| 1 | 5145.79 | 23.68 | 3.69 | 34.11 | 61.48 | Max Peak | Vertical | 164 | 358 | 74.0 | -12.5 | Pass |
| 2 | 5150.00 | 11.01 | 3.67 | 34.11 | 48.79 | Max Avg | Vertical | 164 | 358 | 54.0 | -5.2 | Pass |
| 3 | 5150.00 | | | | | Restricted- Band | | | | | | |

Test Notes: EUT A5c SN: 2118161852 on 150cm table connected to KPPA antenna powered by Mimosa POE PS 502-00002. Correction factor includes .9 dB addition for connecting cables

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Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:64 of 71



| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|-----|------------------|-------------|---------------|----------|-----------------|---------------------|----------|-----------|------------|-----------------|--------------|---------------|
| 1 | 5150.00 | 14.97 | 3.67 | 34.11 | 52.75 | Max Avg | Vertical | 164 | 358 | 54.0 | -1.3 | Pass |
| 2 | 5150.00 | 30.60 | 3.67 | 34.11 | 68.38 | Max Peak | Vertical | 164 | 358 | 74.0 | -5.6 | Pass |
| 3 | 5150.00 | | | | | Restricted- Band | | | | | | |

Test Notes: EUT A5c SN: 2118161852 on 150cm table connected to KPPA antenna powered by Mimosa POE PS 502-00002. Power reduction to meet band edge limit

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| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|-----|------------------|-------------|---------------|----------|-----------------|---------------------|------------|-----------|------------|-----------------|--------------|---------------|
| 1 | 5699.00 | 16.94 | 3.86 | 34.33 | 55.13 | Max Avg | Horizontal | 164 | 362 | 68.2 | -13.1 | Pass |
| 2 | 5719.91 | 17.87 | 3.80 | 34.35 | 56.02 | Max Avg | Horizontal | 164 | 362 | 78.2 | -22.2 | Pass |
| 3 | 5725.00 | | | | | Band-Edge | | | | | | |

Test Notes: EUT A5c SN: 2118161852 on 150cm table connected to KPPA antenna powered by Mimosa POE PS 502-00002

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| | Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|---|-----|------------------|-------------|---------------|----------|-----------------|---------------------|------------|-----------|------------|-----------------|--------------|---------------|
| | 1 | 5715.00 | 17.62 | 3.81 | 34.34 | 55.77 | Max Avg | Horizontal | 164 | 362 | 68.2 | -12.5 | Pass |
| | 2 | 5725.00 | 18.57 | 3.79 | 34.35 | 56.71 | Max Avg | Horizontal | 164 | 362 | 78.2 | -21.5 | Pass |
| | 3 | 5725.00 | | | | | Band-Edge | | | | | | |
| ł | | | | | | | 0 | | | | | | _ |

Test Notes: EUT A5c SN: 2118161852 on 150cm table connected to KPPA antenna powered by Mimosa POE PS 502-00002

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| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|-----|------------------|-------------|---------------|----------|-----------------|---------------------|------------|-----------|------------|-----------------|--------------|---------------|
| 1 | 5715.00 | 18.46 | 3.81 | 34.34 | 56.61 | Max Avg | Horizontal | 164 | 362 | 68.2 | -11.6 | Pass |
| 2 | 5719.67 | 20.13 | 3.80 | 34.35 | 58.28 | Max Avg | Horizontal | 164 | 362 | 78.2 | -20.0 | Pass |
| 3 | 5725.00 | | | | | Band-Edge | | | | | | |

Test Notes: EUT A5c SN: 2118161852 on 150cm table connected to KPPA antenna powered by Mimosa POE PS 502-00002

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| | Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|-----|-----|------------------|-------------|---------------|----------|-----------------|---------------------|------------|-----------|------------|-----------------|--------------|---------------|
| | 2 | 5857.58 | 14.36 | 3.85 | 34.65 | 52.86 | Max Avg | Horizontal | 164 | 362 | 78.2 | -25.4 | Pass |
| | 3 | 5867.79 | 13.73 | 3.82 | 34.68 | 52.23 | Max Avg | Horizontal | 164 | 362 | 68.2 | -16.0 | Pass |
| | 1 | 5850.00 | | | | | Band-Edge | | | | | | |
| - E | | | | | | | | | | | | | |

Test Notes: EUT A5c SN: 2118161852 on 150cm table connected to KPPA antenna powered by Mimosa POE PS 502-00002

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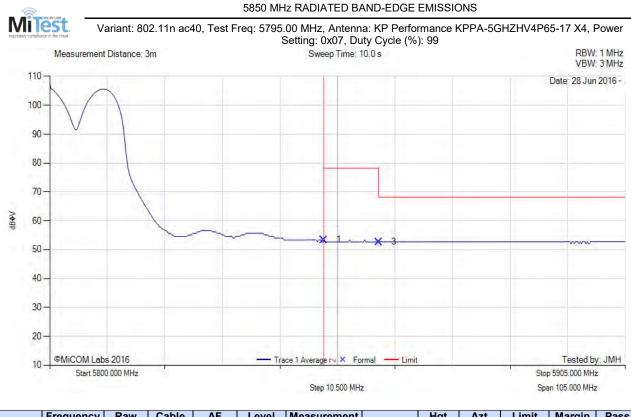
| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|-----|------------------|-------------|---------------|----------|-----------------|---------------------|------------|-----------|------------|-----------------|--------------|---------------|
| 1 | 5850.00 | 15.60 | 3.81 | 34.63 | 54.04 | Max Avg | Horizontal | 164 | 362 | 78.2 | -24.2 | Pass |
| 3 | 5871.15 | 15.59 | 3.81 | 34.68 | 54.08 | Max Avg | Horizontal | 164 | 362 | 68.2 | -14.2 | Pass |
| 2 | 5850.00 | | | | | Band-Edge | | | | | | |

Test Notes: EUT A5c SN: 2118161852 on 150cm table connected to KPPA antenna powered by Mimosa POE PS 502-00002

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Title:Mimosa Networks A5c, A4-14, A5-18To:FCC CFR 47 Part 15 Subpart E 15.407 (non-DFS bands)Serial #:MIMO09-U5_Radiated Addendum Rev AIssue Date:2nd August 2016Page:70 of 71



| Num | Frequency MHz | Raw dBµV | Cable Loss | AF dB | Level dBµV/m | Measurement Type | Pol | Hgt cm | Azt Deg | Limit dBµV/m | Margin dB | Pass /Fail |
|----------|------------------|-------------|---------------|----------|-----------------|---------------------|------------|-----------|------------|-----------------|--------------|---------------|
| 1 | 5850.00 | 14.95 | 3.81 | 34.63 | 53.39 | Max Avg | Horizontal | 164 | 362 | 78.2 | -24.8 | Pass |
| 3 | 5860.00 | 14.21 | 3.86 | 34.65 | 52.72 | Max Avg | Horizontal | 164 | 362 | 68.2 | -15.5 | Pass |
| 2 | 5850.00 | | | | | Band-Edge | | | | | | |
| <u> </u> | 0000.00 | | | | | Duna Lago | | | | | | |

Test Notes: EUT A5c SN: 2118161852 on 150cm table connected to KPPA antenna powered by Mimosa POE PS 502-00002

back to matrix



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