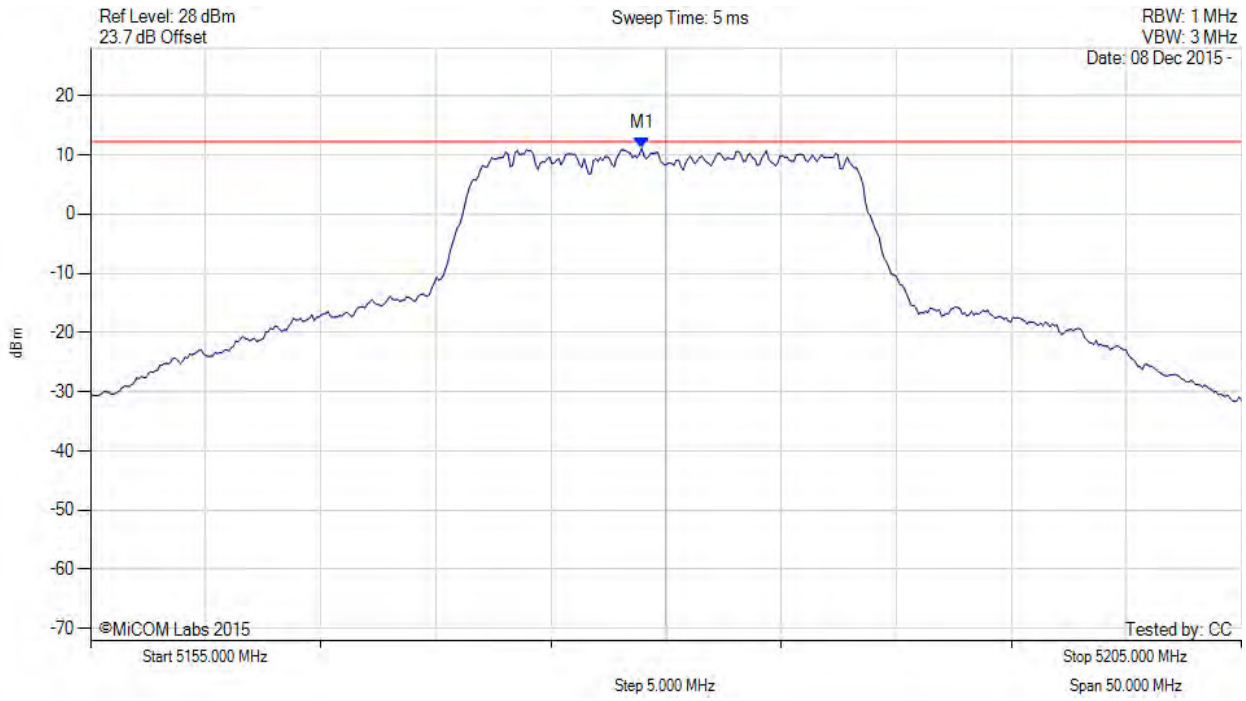
A.2. Power Spectral Density

POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5180.00 MHz, Chain a, Temp: Ambient, Voltage: 48 Vdc



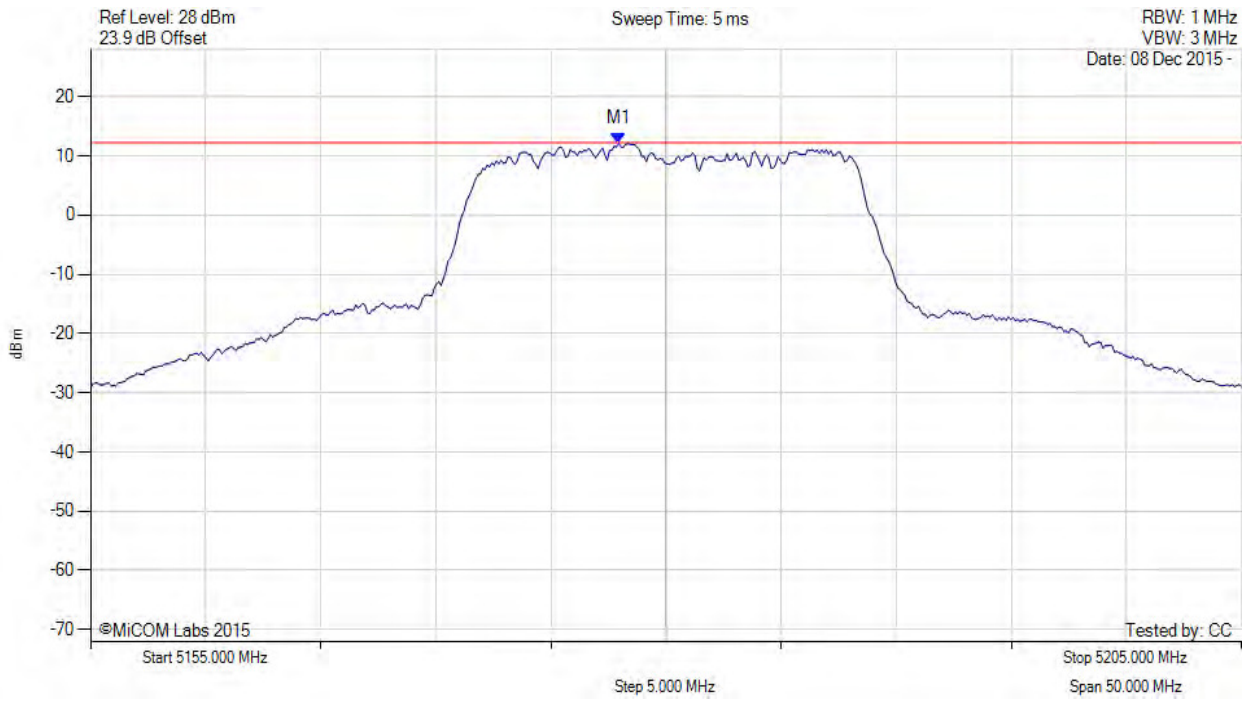
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5178.948 MHz : 11.105 dBm	Limit: ≤ 12.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5180.00 MHz, Chain b, Temp: Ambient, Voltage: 48 Vdc



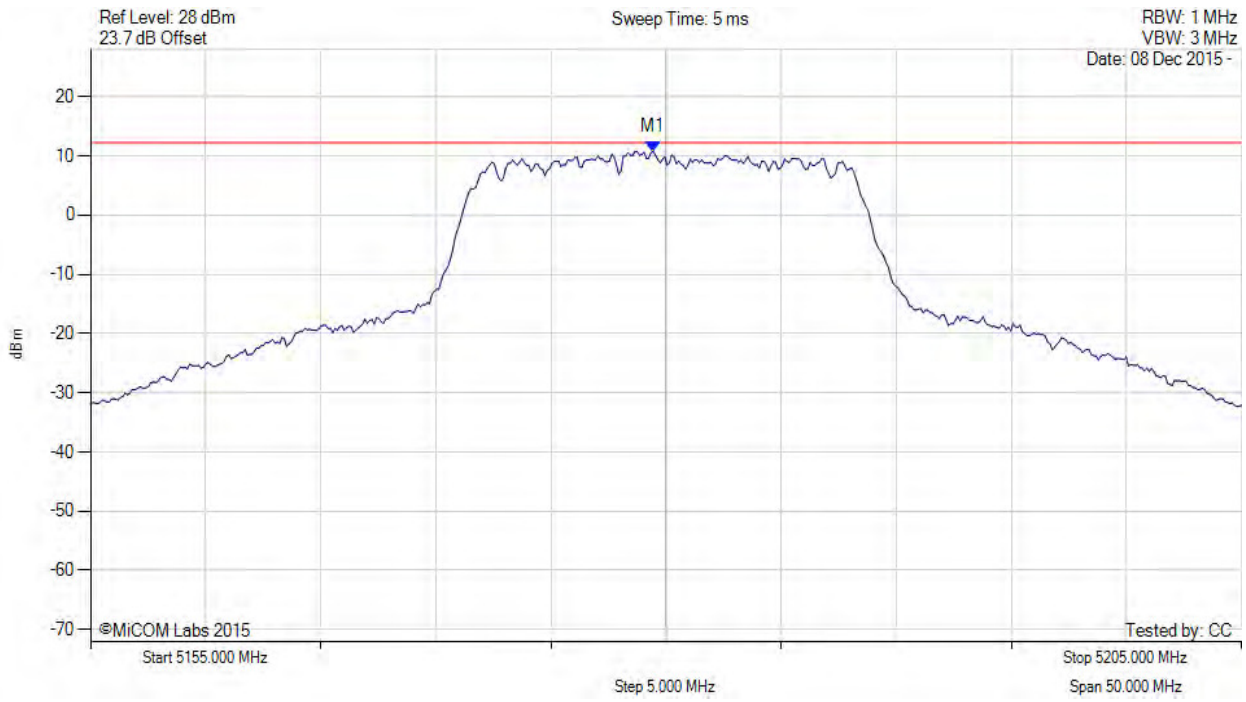
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5177.946 MHz : 12.068 dBm	Limit: ≤ 12.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5180.00 MHz, Chain c, Temp: Ambient, Voltage: 48 Vdc



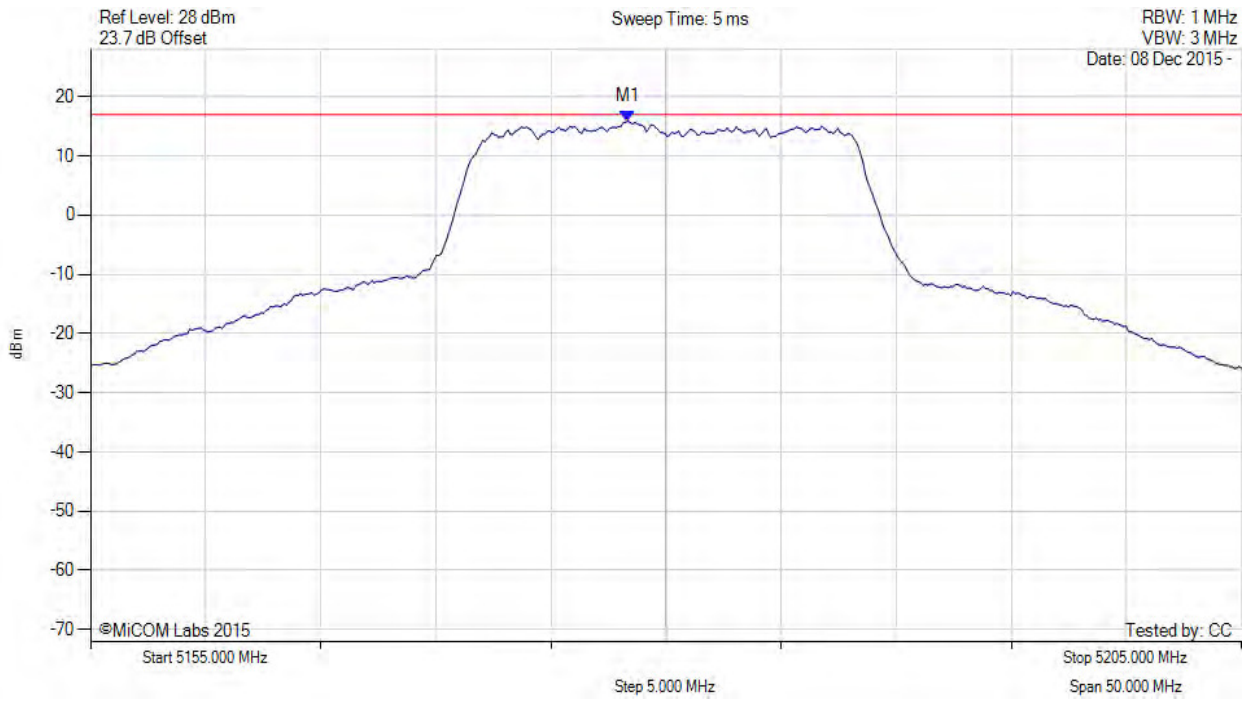
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5179.449 MHz : 10.751 dBm	Limit: ≤ 12.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5180.00 MHz, SUM, Temp: Ambient, Voltage: 48 Vdc



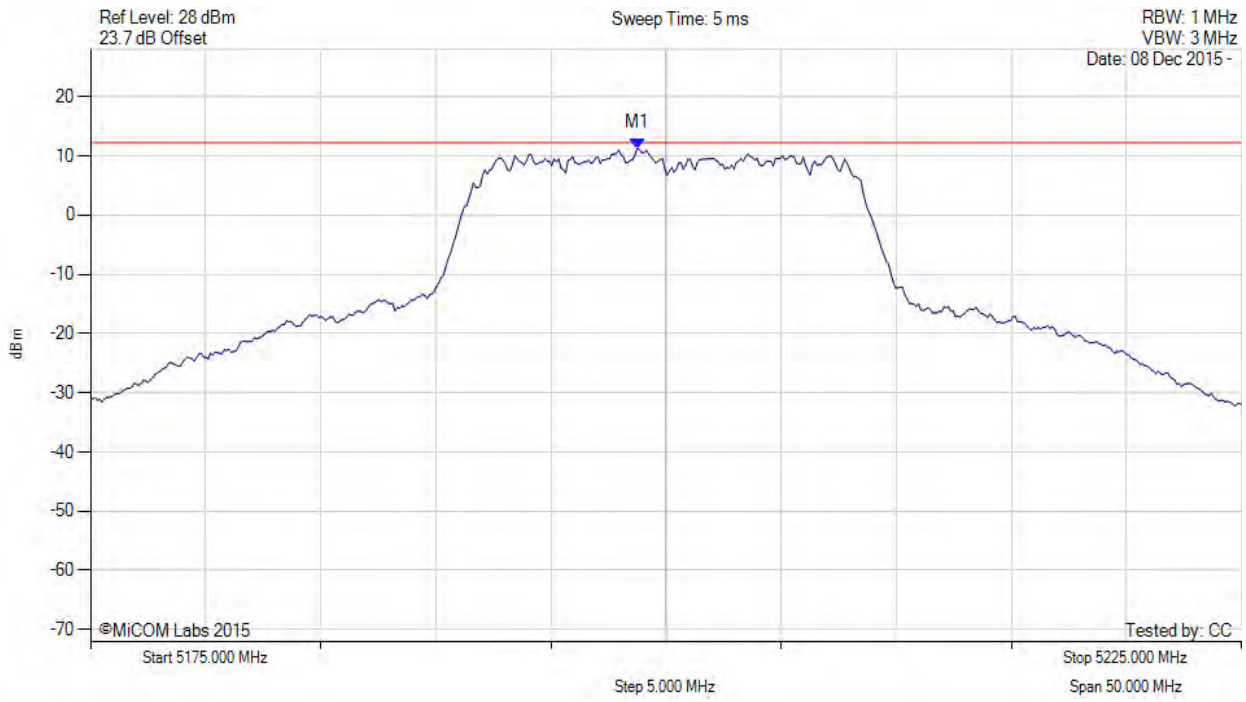
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5178.300 MHz : 15.850 dBm M1 + DCCF : 5178.300 MHz : 16.119 dBm Duty Cycle Correction Factor : +0.27 dB	Limit: ≤ 17.0 dBm Margin: -0.9 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5200.00 MHz, Chain a, Temp: Ambient, Voltage: 48 Vdc



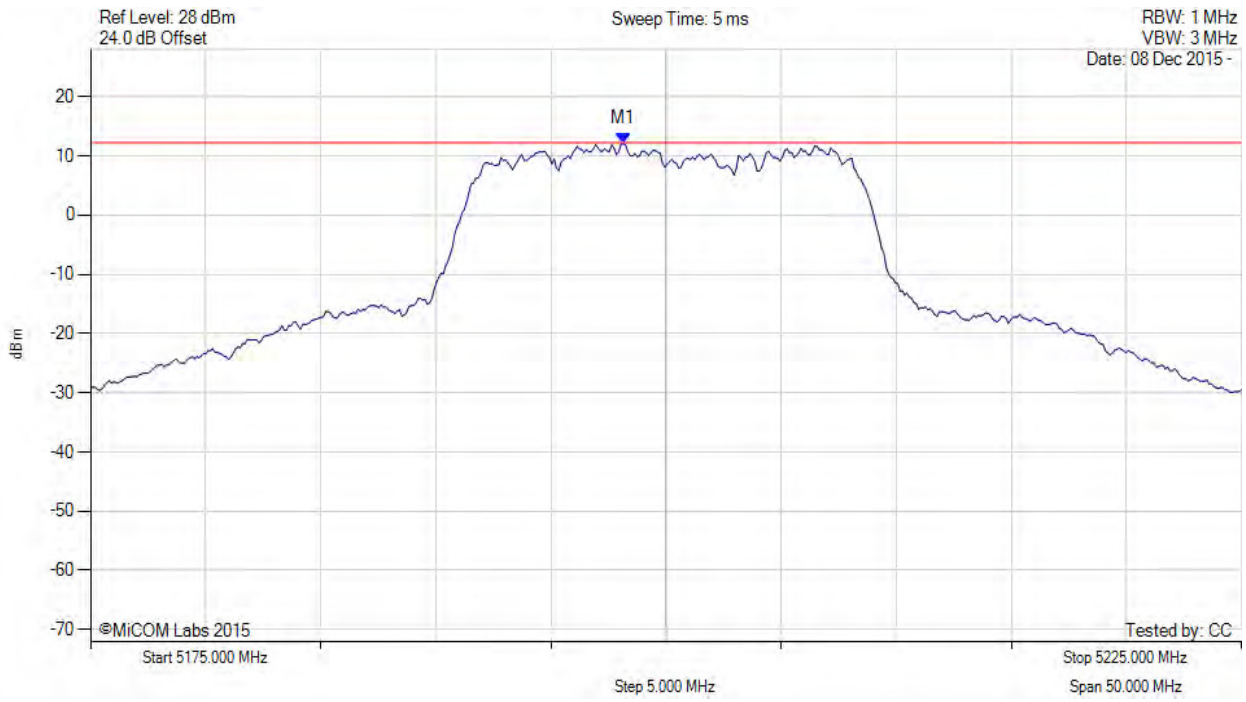
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5198.747 MHz : 11.258 dBm	Limit: ≤ 12.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5200.00 MHz, Chain b, Temp: Ambient, Voltage: 48 Vdc



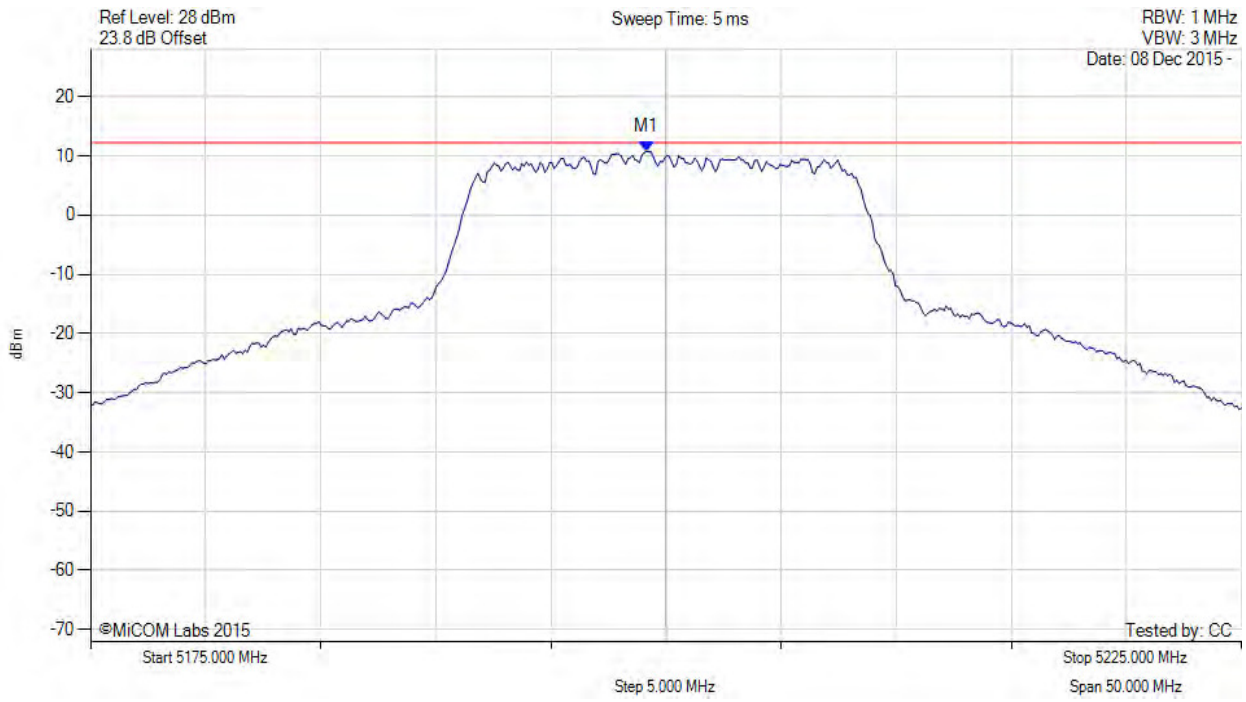
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5198.146 MHz : 12.048 dBm	Channel Frequency: 5200.00 MHz

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5200.00 MHz, Chain c, Temp: Ambient, Voltage: 48 Vdc



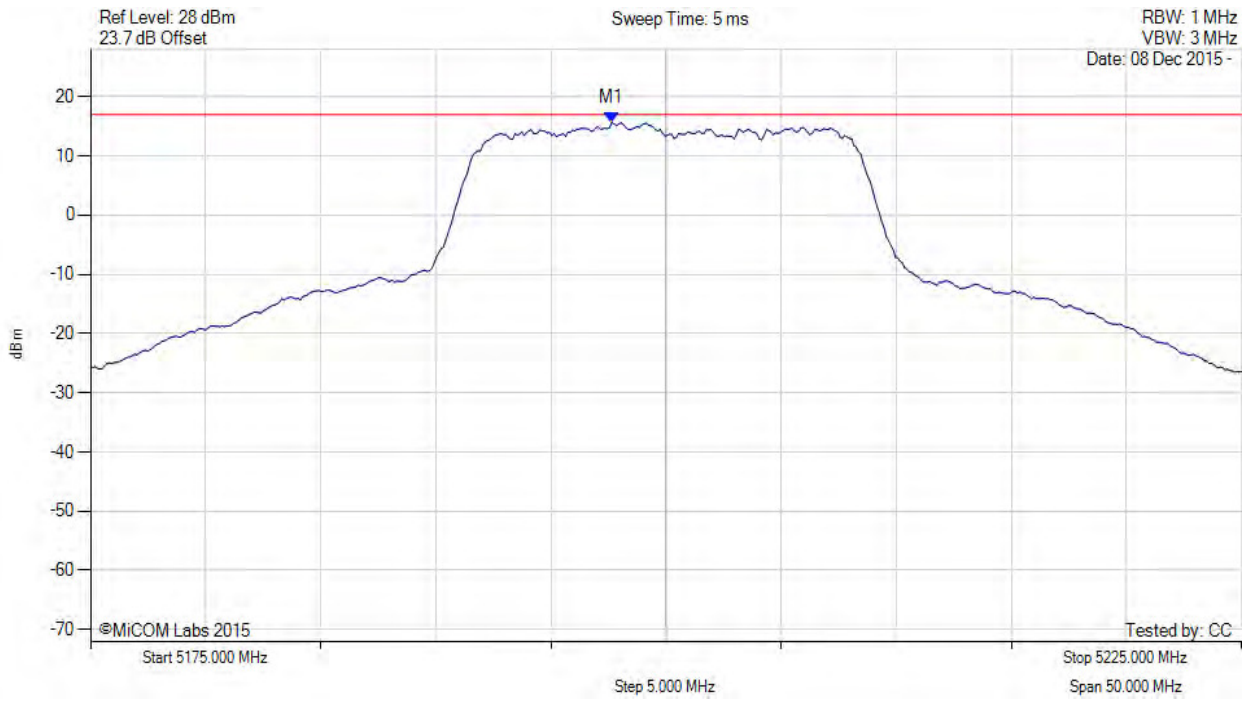
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5199.148 MHz : 10.766 dBm	Limit: ≤ 12.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5200.00 MHz, SUM, Temp: Ambient, Voltage: 48 Vdc



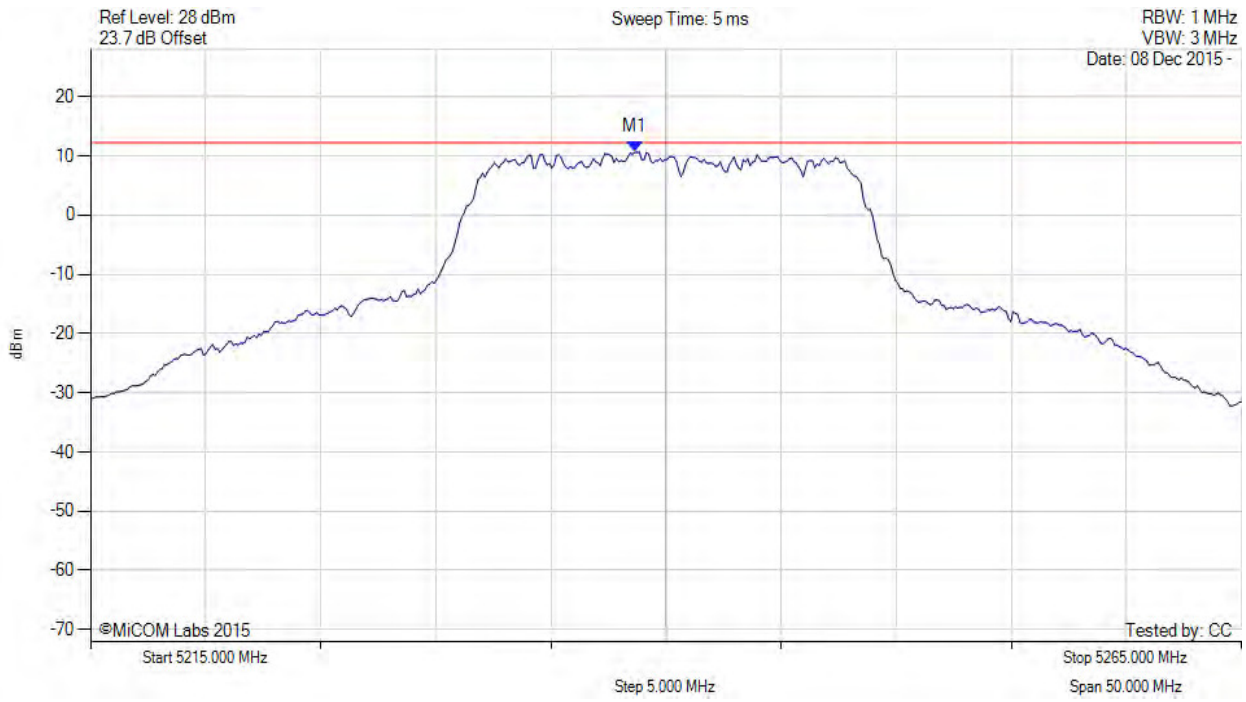
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5197.600 MHz : 15.638 dBm M1 + DCCF : 5197.600 MHz : 15.907 dBm Duty Cycle Correction Factor : +0.27 dB	Limit: ≤ 17.0 dBm Margin: -1.1 dB

back to matrix

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.

POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5240.00 MHz, Chain a, Temp: Ambient, Voltage: 48 Vdc



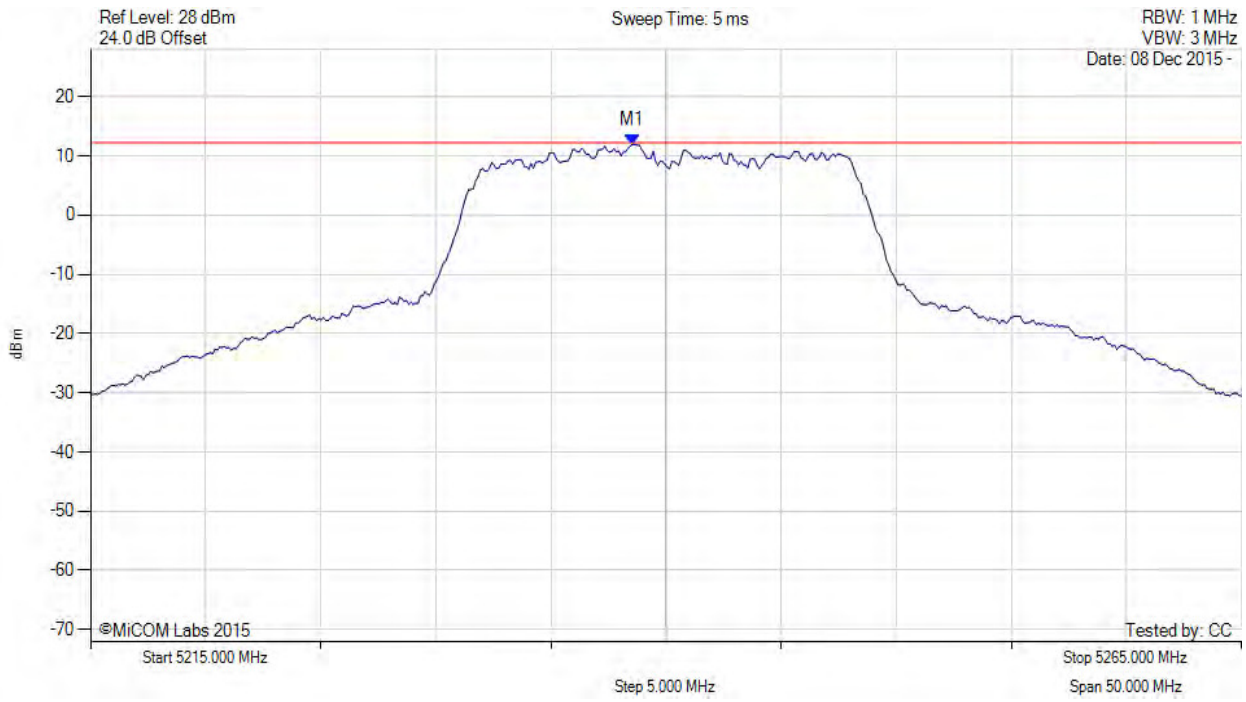
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5238.647 MHz : 10.630 dBm	Limit: ≤ 12.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5240.00 MHz, Chain b, Temp: Ambient, Voltage: 48 Vdc



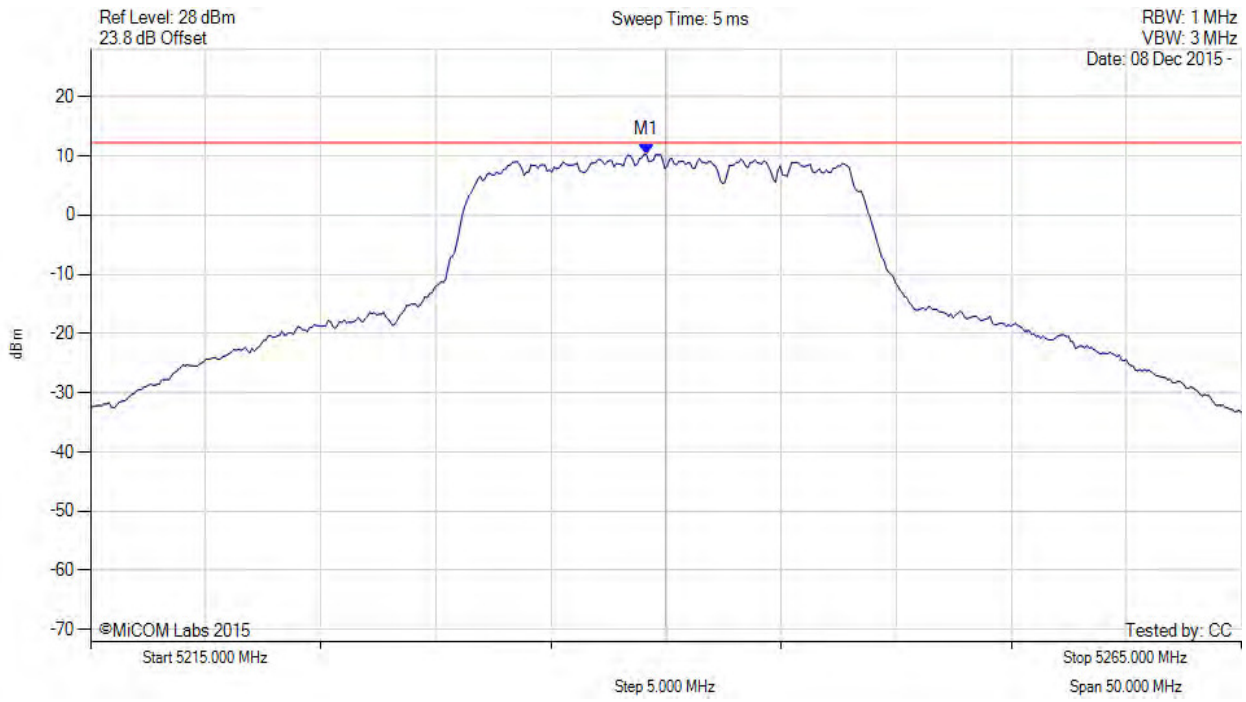
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5238.547 MHz : 11.908 dBm	Limit: ≤ 12.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5240.00 MHz, Chain c, Temp: Ambient, Voltage: 48 Vdc



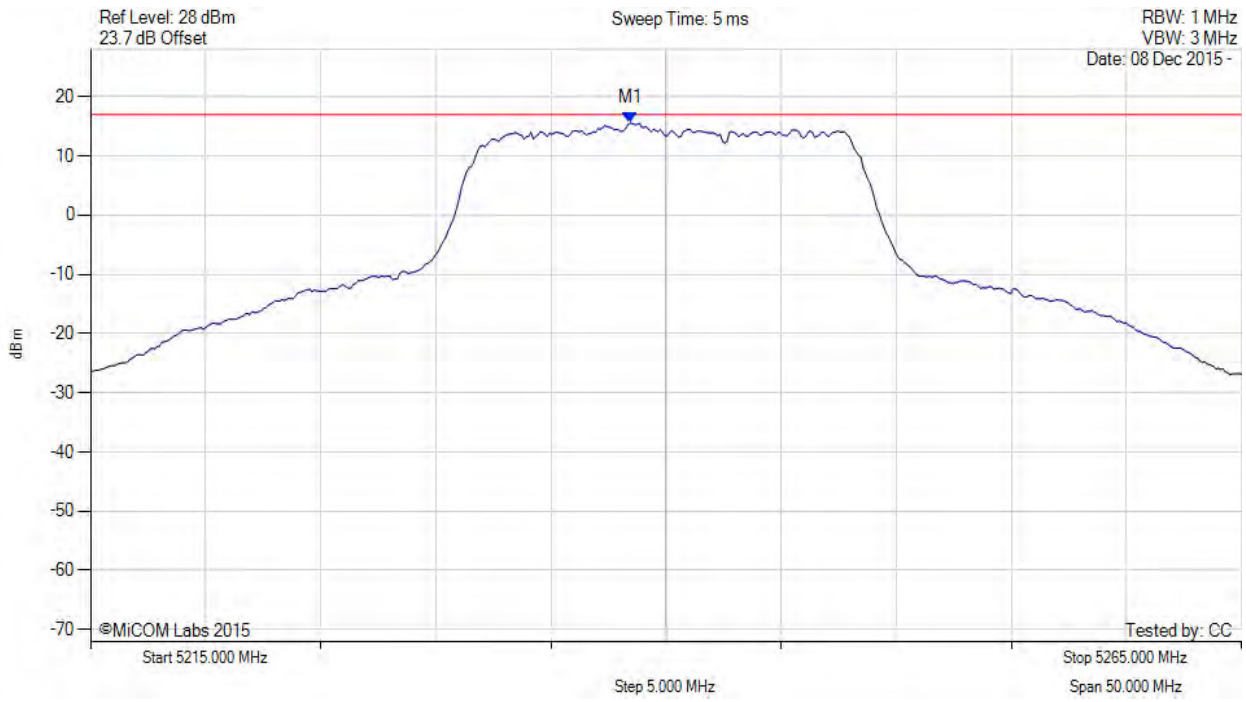
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5239.148 MHz : 10.247 dBm	Limit: ≤ 12.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5240.00 MHz, SUM, Temp: Ambient, Voltage: 48 Vdc



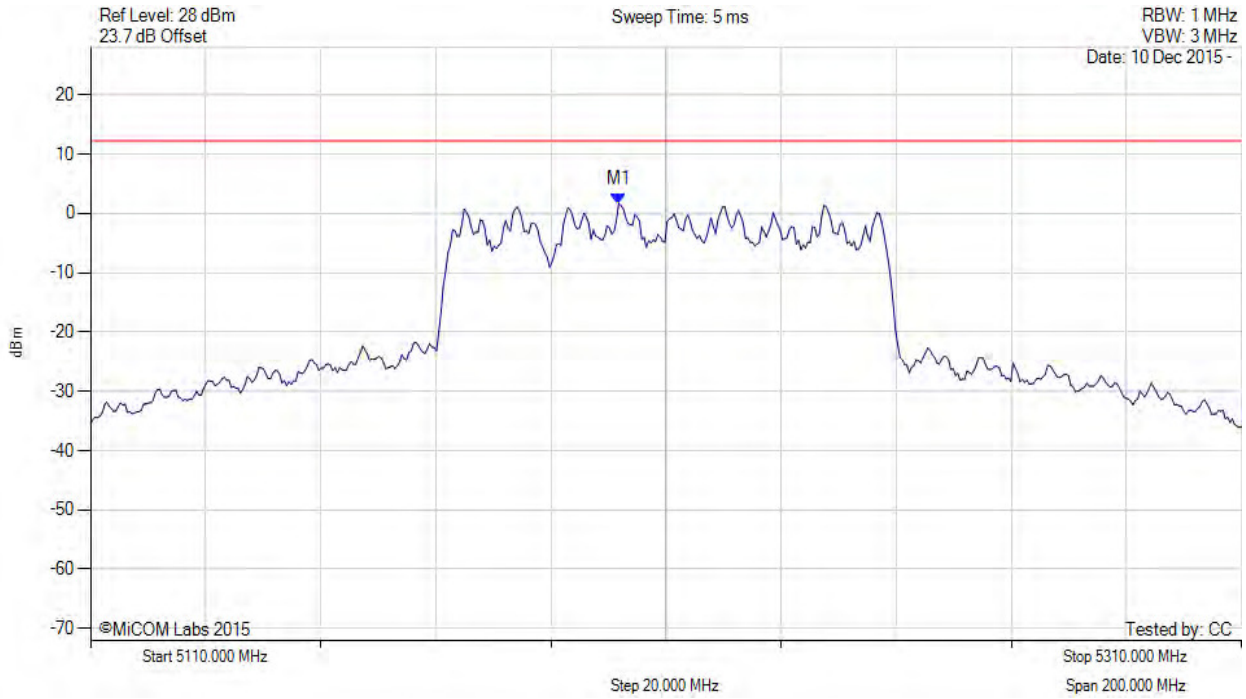
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5238.400 MHz : 15.560 dBm M1 + DCCF : 5238.400 MHz : 15.829 dBm Duty Cycle Correction Factor : +0.27 dB	Limit: ≤ 17.0 dBm Margin: -1.1 dB

back to matrix

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.

POWER SPECTRAL DENSITY

Variant: 802.11ac-80, Channel: 5210.00 MHz, Chain a, Temp: Ambient, Voltage: 48 Vdc



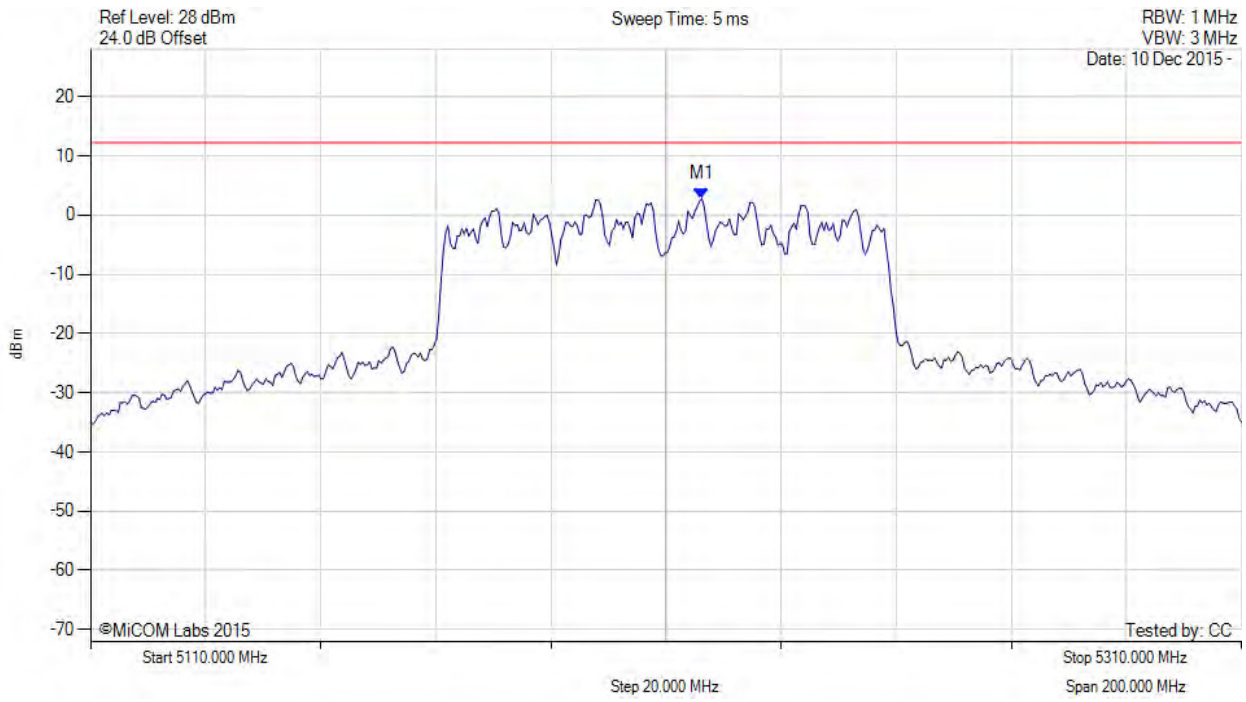
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5201.784 MHz : 1.660 dBm	Limit: ≤ 12.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11ac-80, Channel: 5210.00 MHz, Chain b, Temp: Ambient, Voltage: 48 Vdc



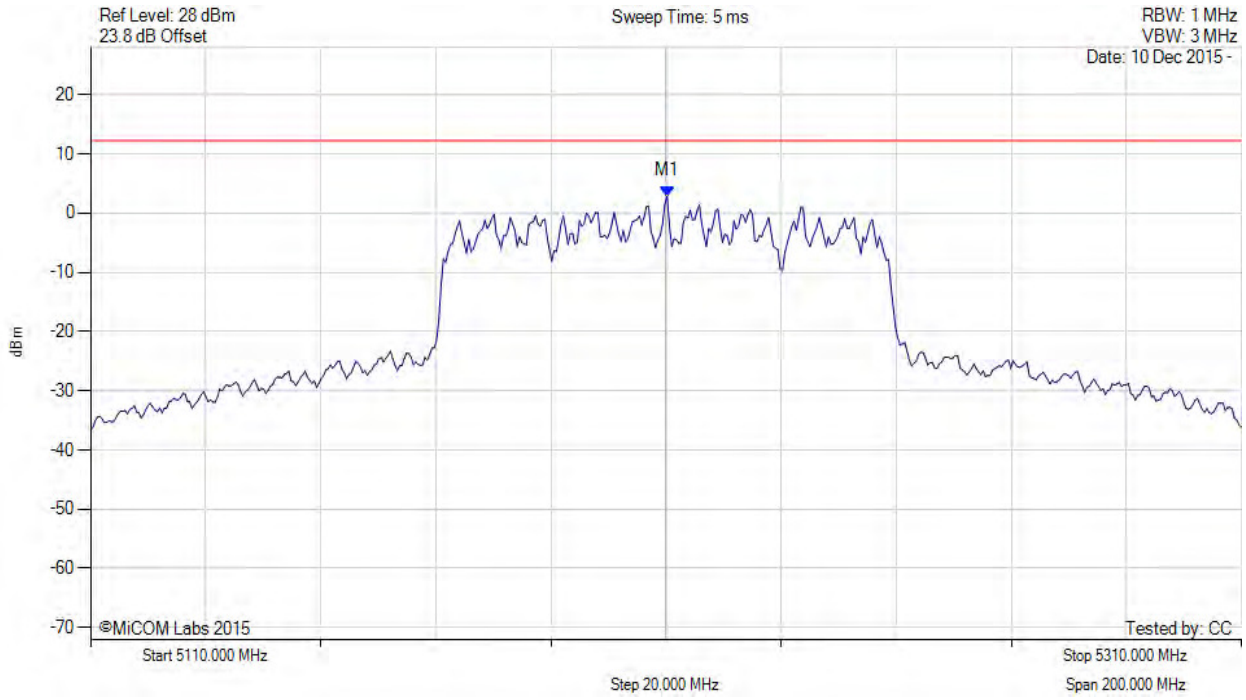
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5216.212 MHz : 2.820 dBm	Limit: ≤ 12.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11ac-80, Channel: 5210.00 MHz, Chain c, Temp: Ambient, Voltage: 48 Vdc



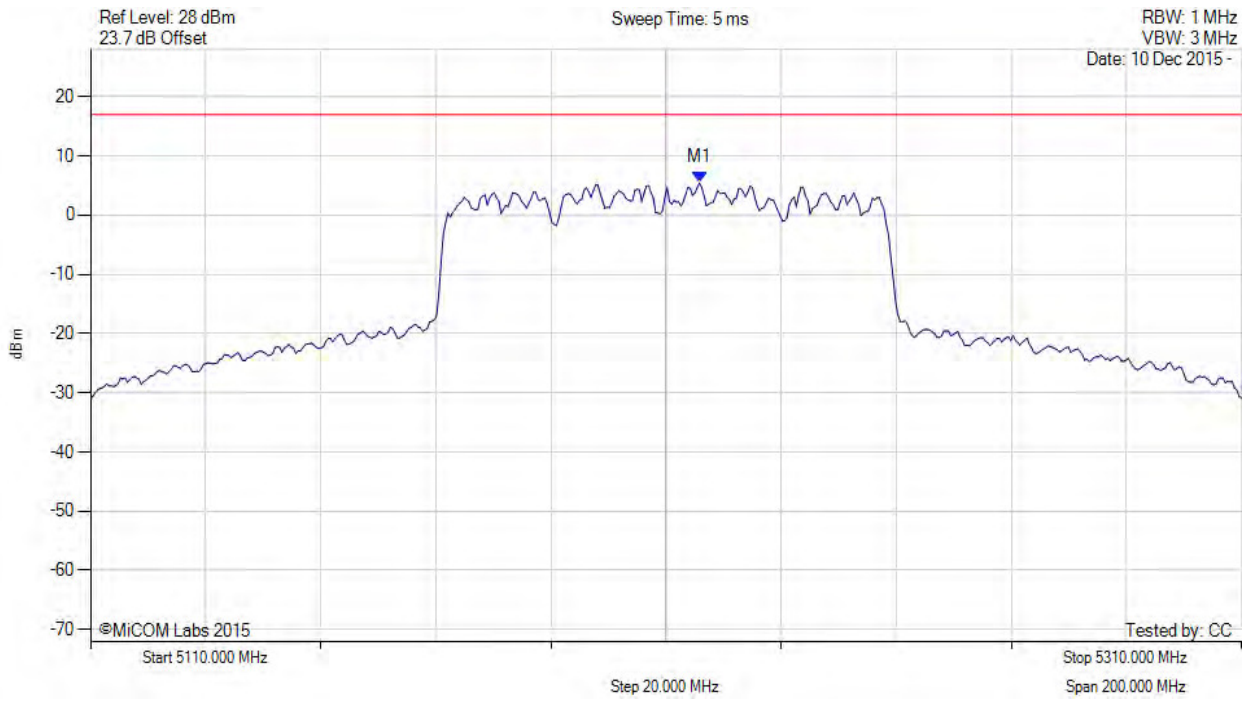
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5210.200 MHz : 2.843 dBm	Limit: ≤ 12.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11ac-80, Channel: 5210.00 MHz, SUM, Temp: Ambient, Voltage: 48 Vdc



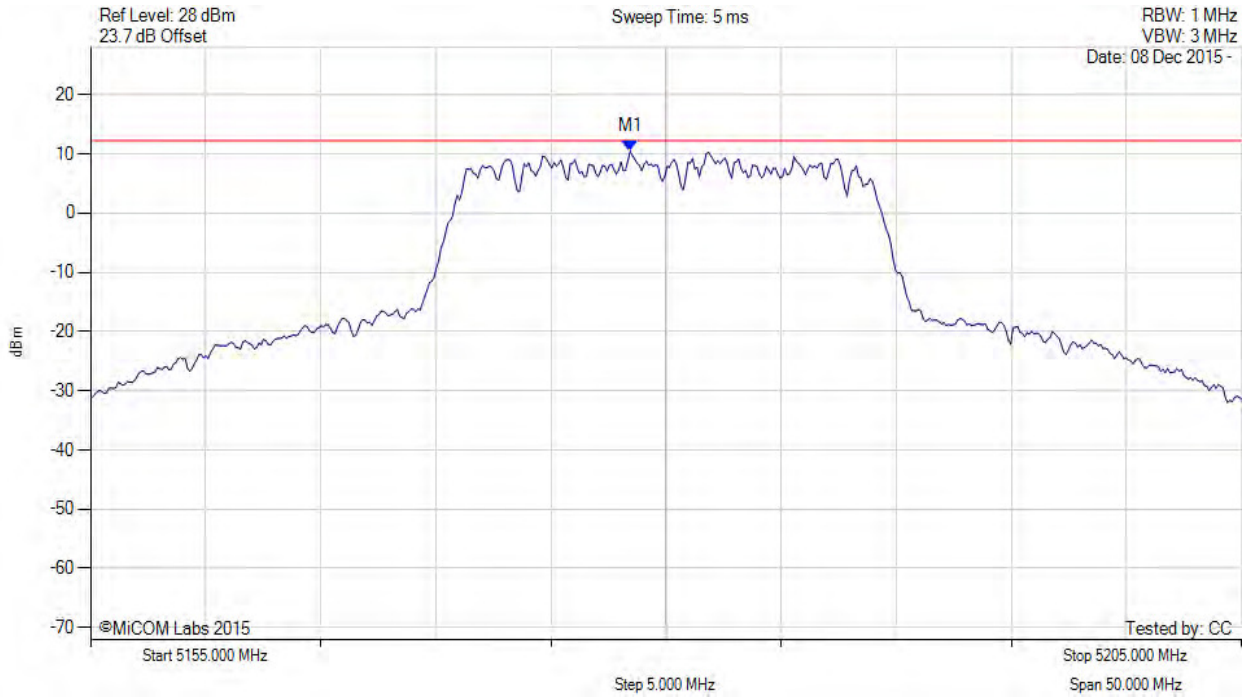
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5215.800 MHz : 5.442 dBm M1 + DCCF : 5215.800 MHz : 7.313 dBm Duty Cycle Correction Factor : +1.87 dB	Limit: ≤ 17.0 dBm Margin: -9.7 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5180.00 MHz, Chain a, Temp: Ambient, Voltage: 48 Vdc



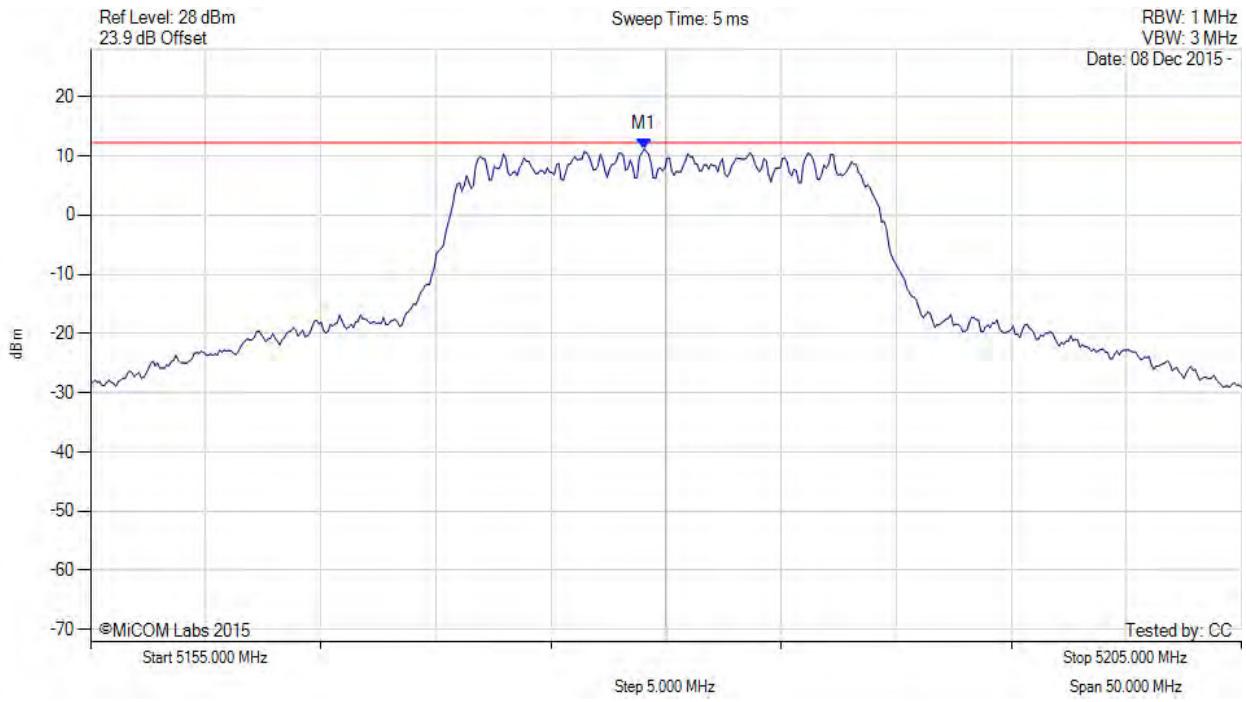
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5178.447 MHz : 10.436 dBm	Limit: ≤ 12.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5180.00 MHz, Chain b, Temp: Ambient, Voltage: 48 Vdc



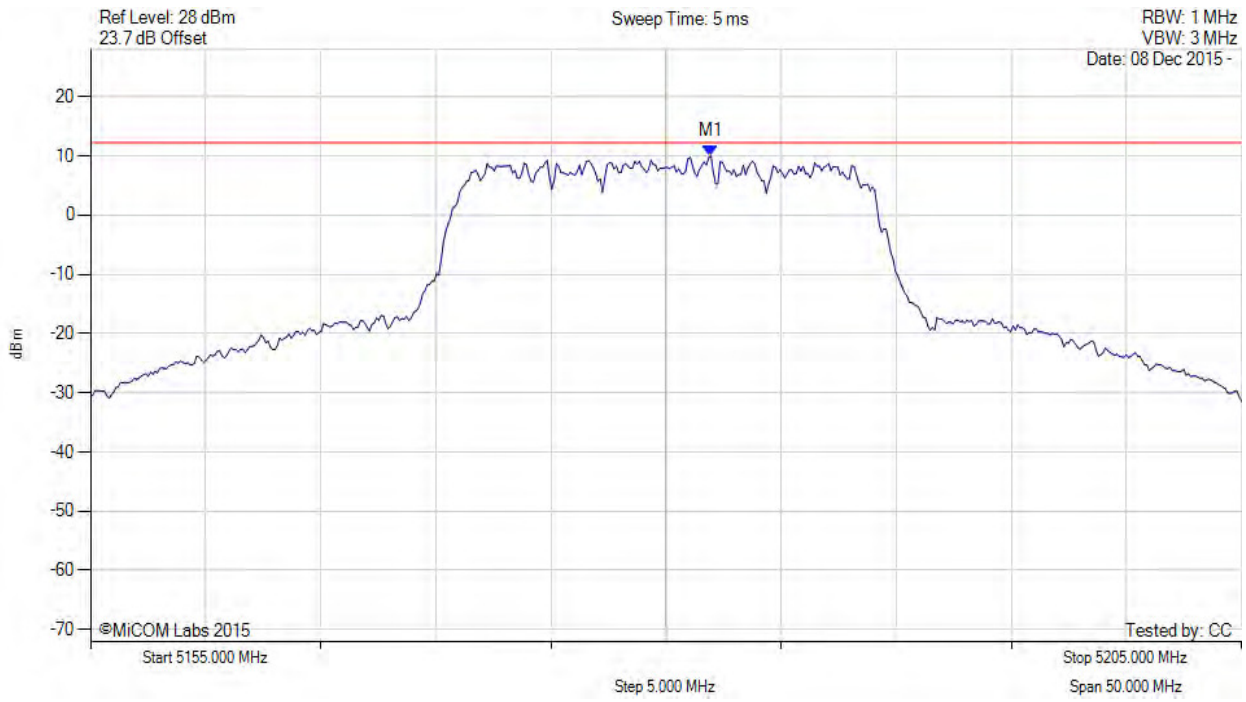
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5179.048 MHz : 11.131 dBm	Limit: ≤ 12.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5180.00 MHz, Chain c, Temp: Ambient, Voltage: 48 Vdc



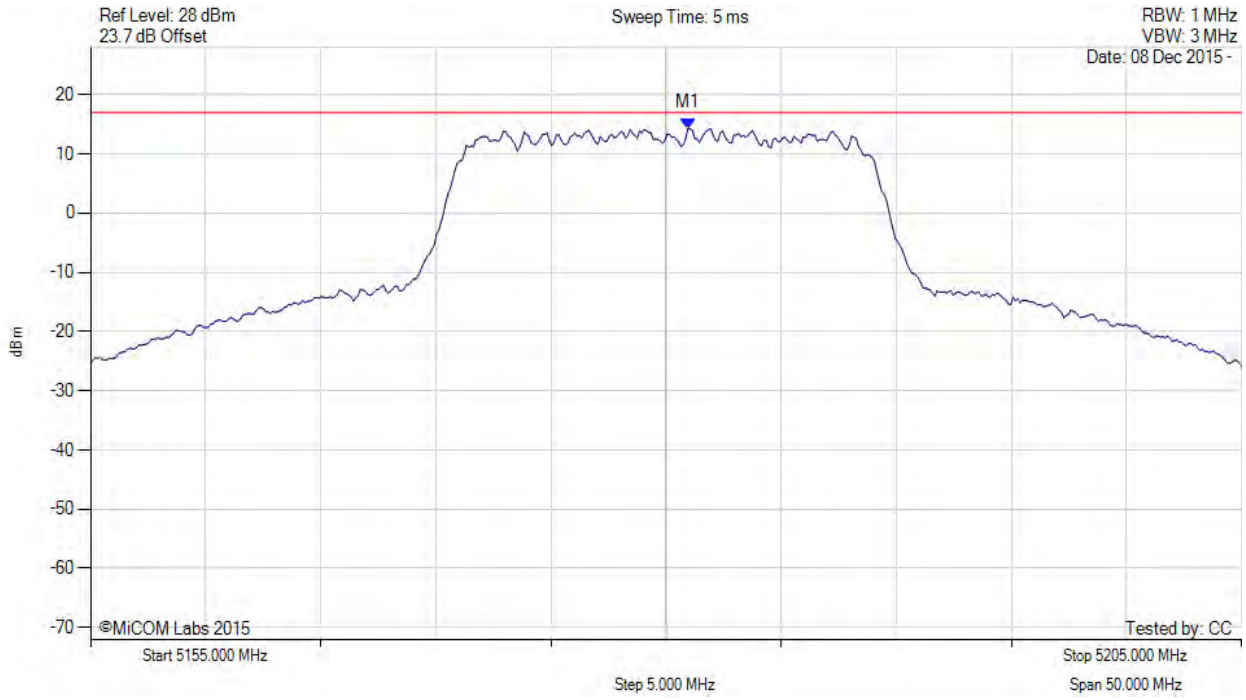
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5181.954 MHz : 9.949 dBm	Limit: ≤ 12.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5180.00 MHz, SUM, Temp: Ambient, Voltage: 48 Vdc



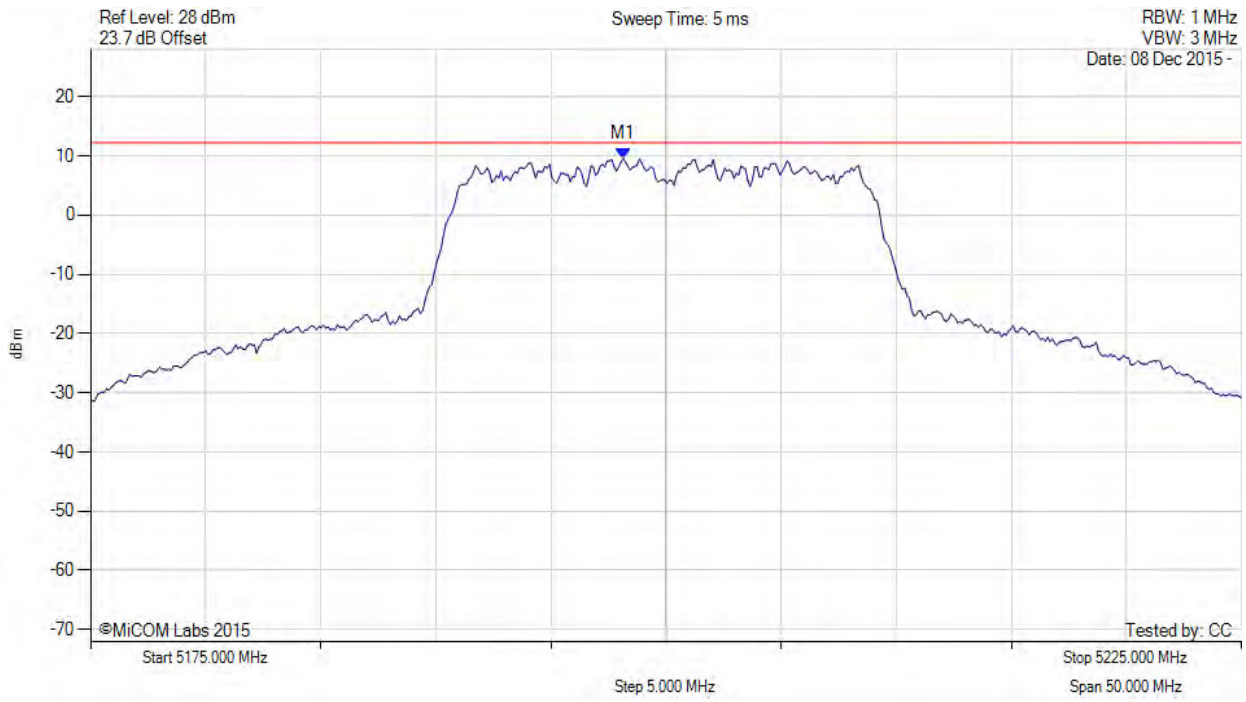
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5181.000 MHz : 14.286 dBm M1 + DCCF : 5181.000 MHz : 14.601 dBm Duty Cycle Correction Factor : +0.32 dB	Limit: ≤ 17.0 dBm Margin: -2.4 dB

back to matrix

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.

POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5200.00 MHz, Chain a, Temp: Ambient, Voltage: 48 Vdc



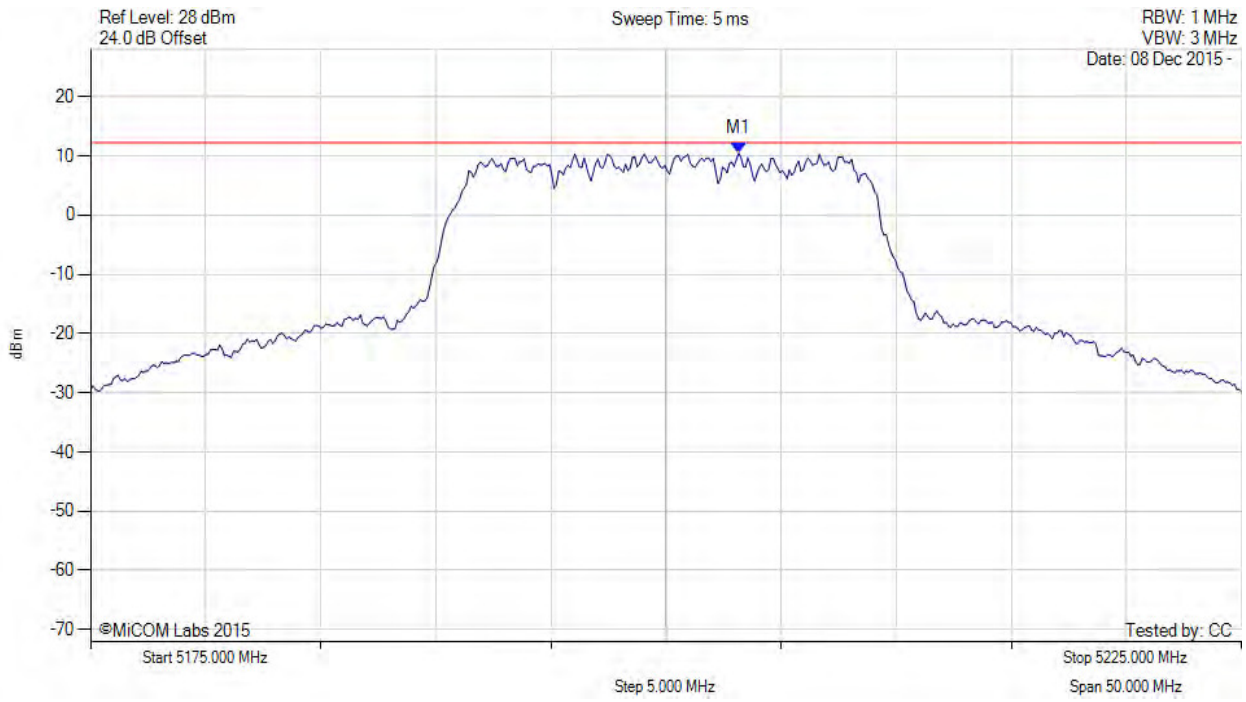
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5198.146 MHz : 9.579 dBm	Limit: ≤ 12.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5200.00 MHz, Chain b, Temp: Ambient, Voltage: 48 Vdc



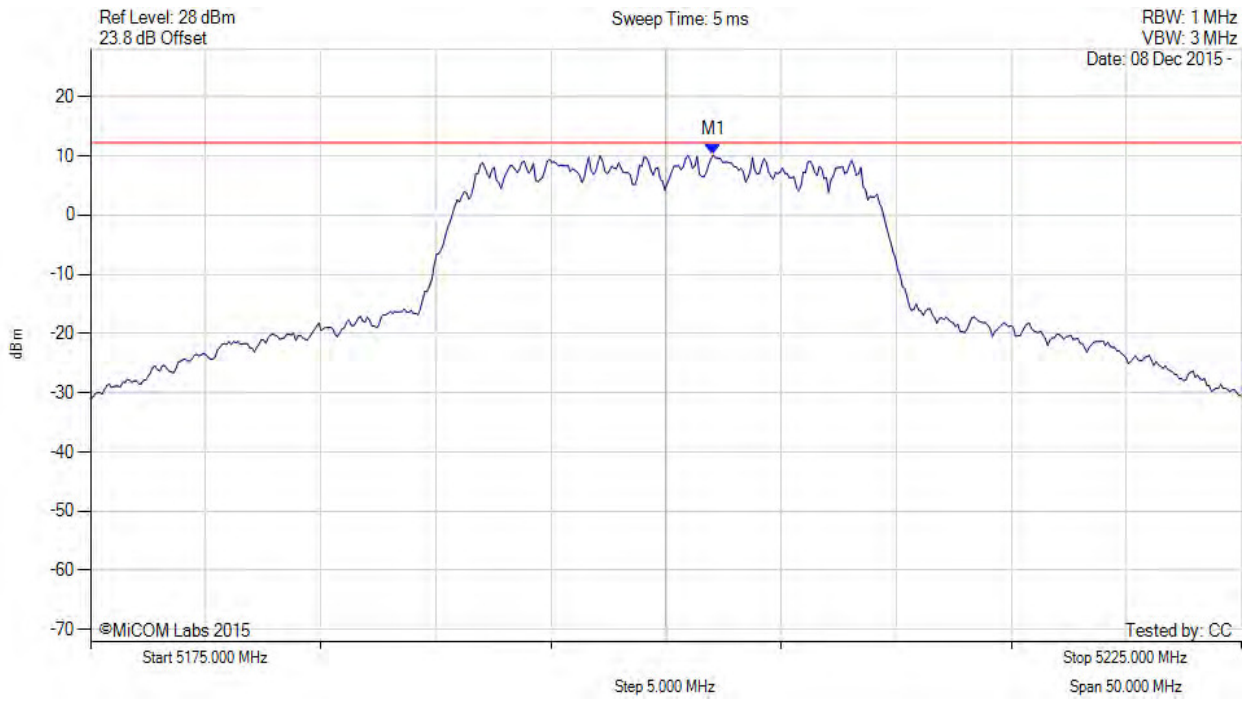
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5203.156 MHz : 10.443 dBm	Channel Frequency: 5200.00 MHz

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5200.00 MHz, Chain c, Temp: Ambient, Voltage: 48 Vdc



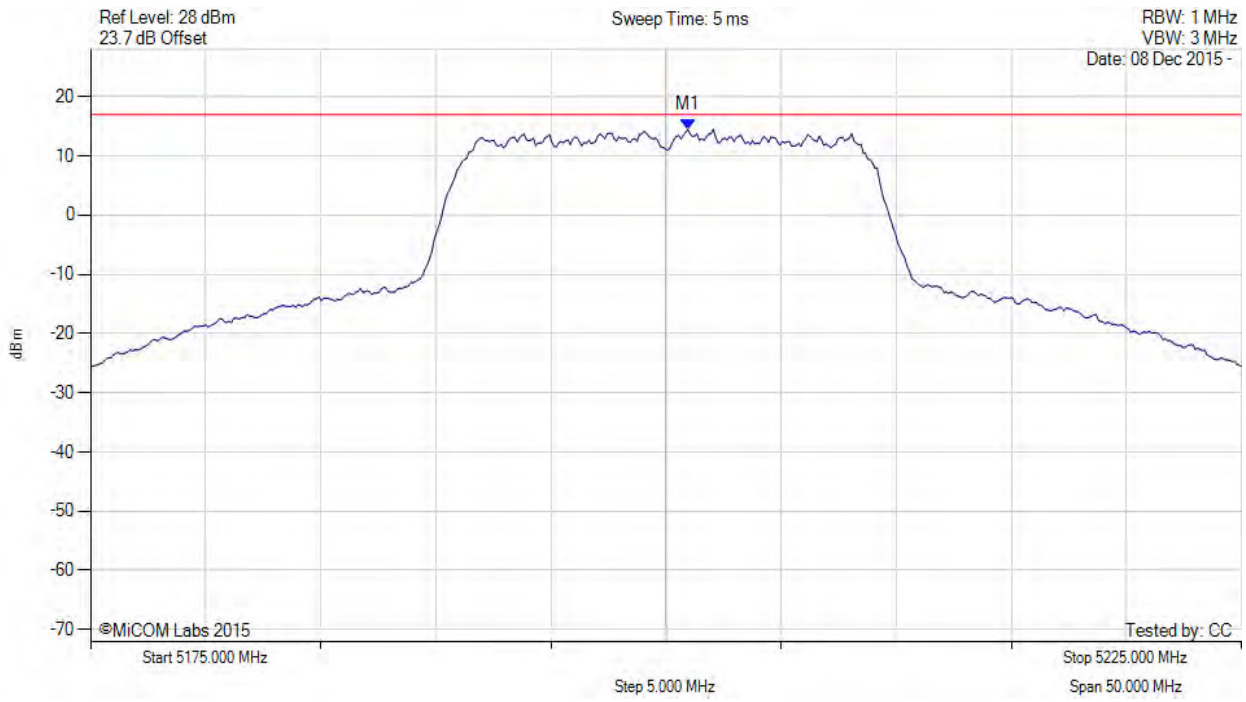
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5202.054 MHz : 10.125 dBm	Limit: ≤ 12.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5200.00 MHz, SUM, Temp: Ambient, Voltage: 48 Vdc



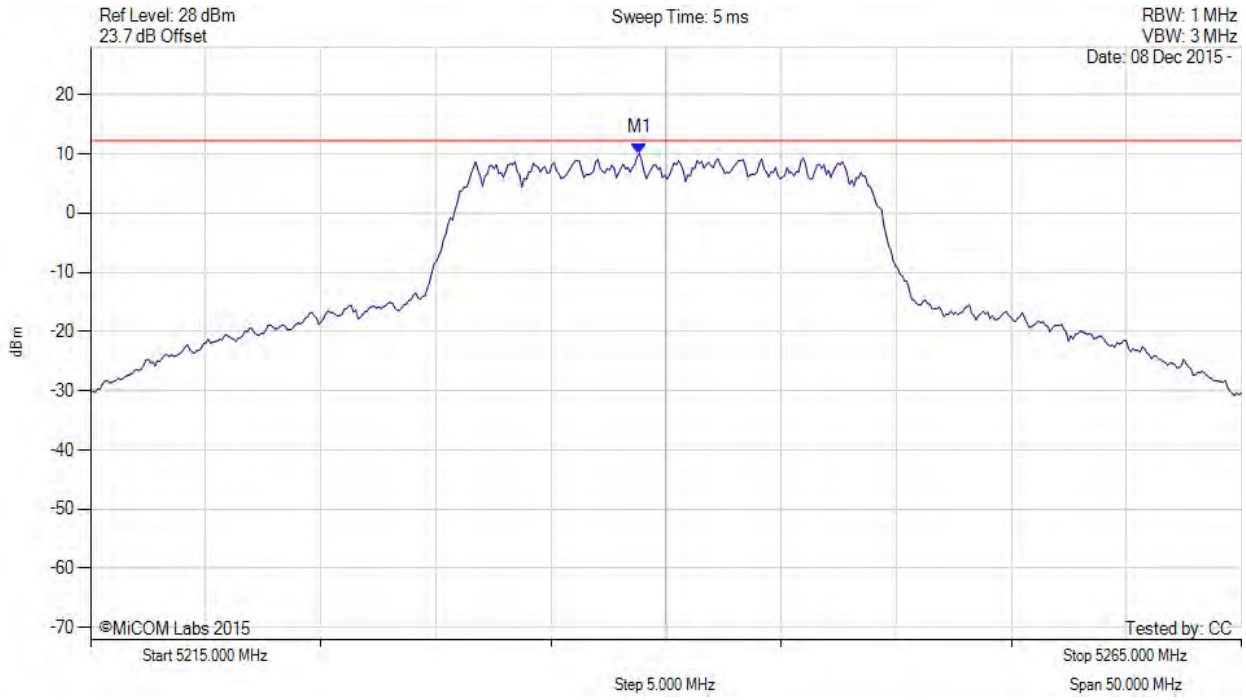
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5201.000 MHz : 14.485 dBm M1 + DCCF : 5201.000 MHz : 14.800 dBm Duty Cycle Correction Factor : +0.32 dB	Limit: ≤ 17.0 dBm Margin: -2.2 dB

back to matrix

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.

POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5240.00 MHz, Chain a, Temp: Ambient, Voltage: 48 Vdc



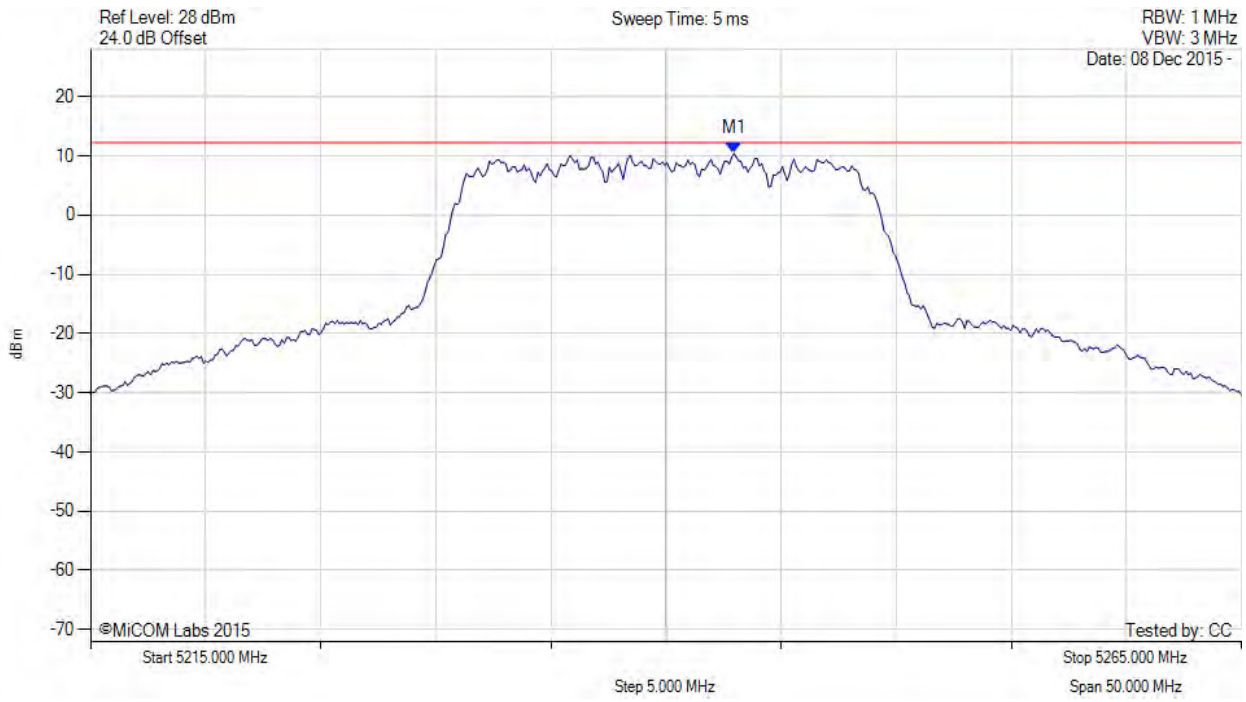
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5238.848 MHz : 10.106 dBm	Limit: ≤ 12.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5240.00 MHz, Chain b, Temp: Ambient, Voltage: 48 Vdc



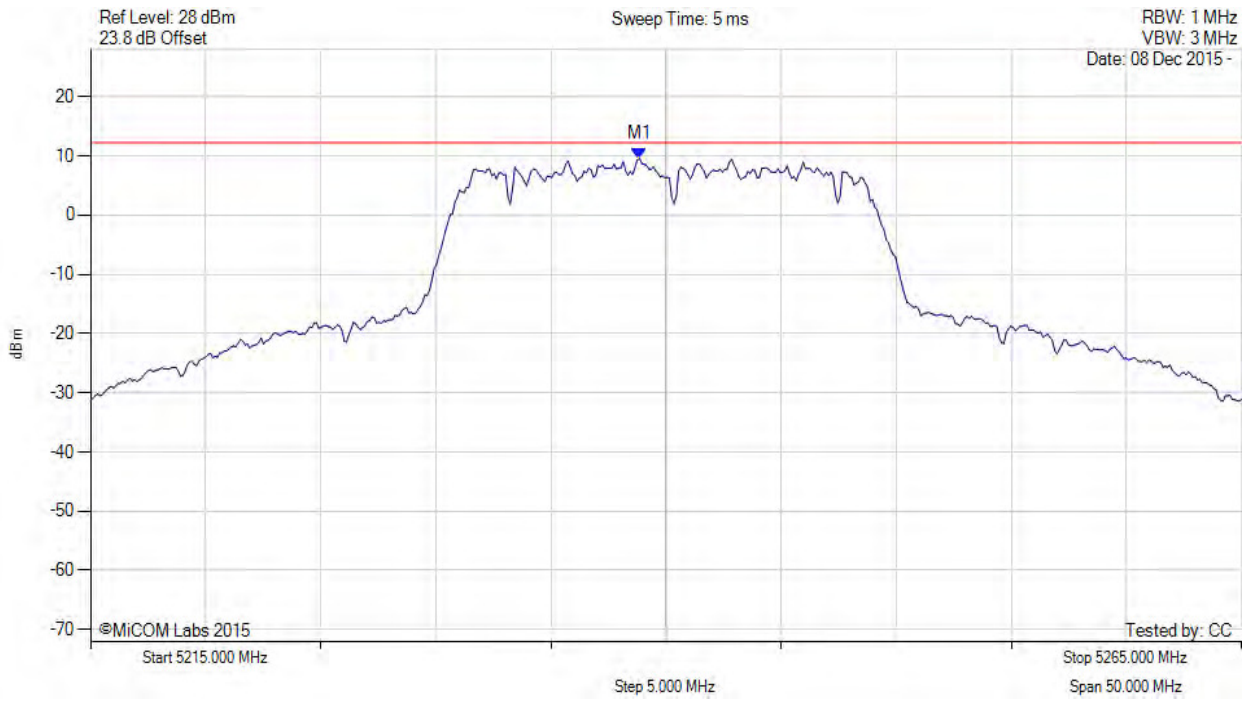
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5242.956 MHz : 10.399 dBm	Limit: ≤ 12.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5240.00 MHz, Chain c, Temp: Ambient, Voltage: 48 Vdc



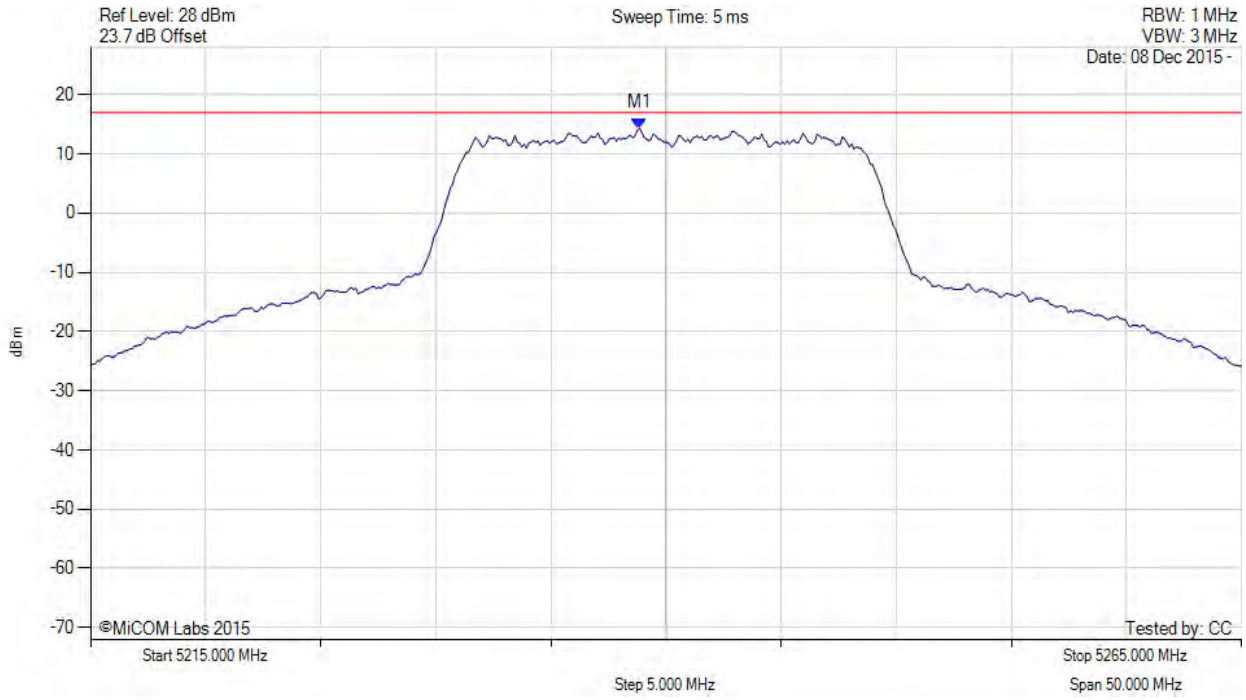
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5238.848 MHz : 9.534 dBm	Limit: ≤ 12.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5240.00 MHz, SUM, Temp: Ambient, Voltage: 48 Vdc



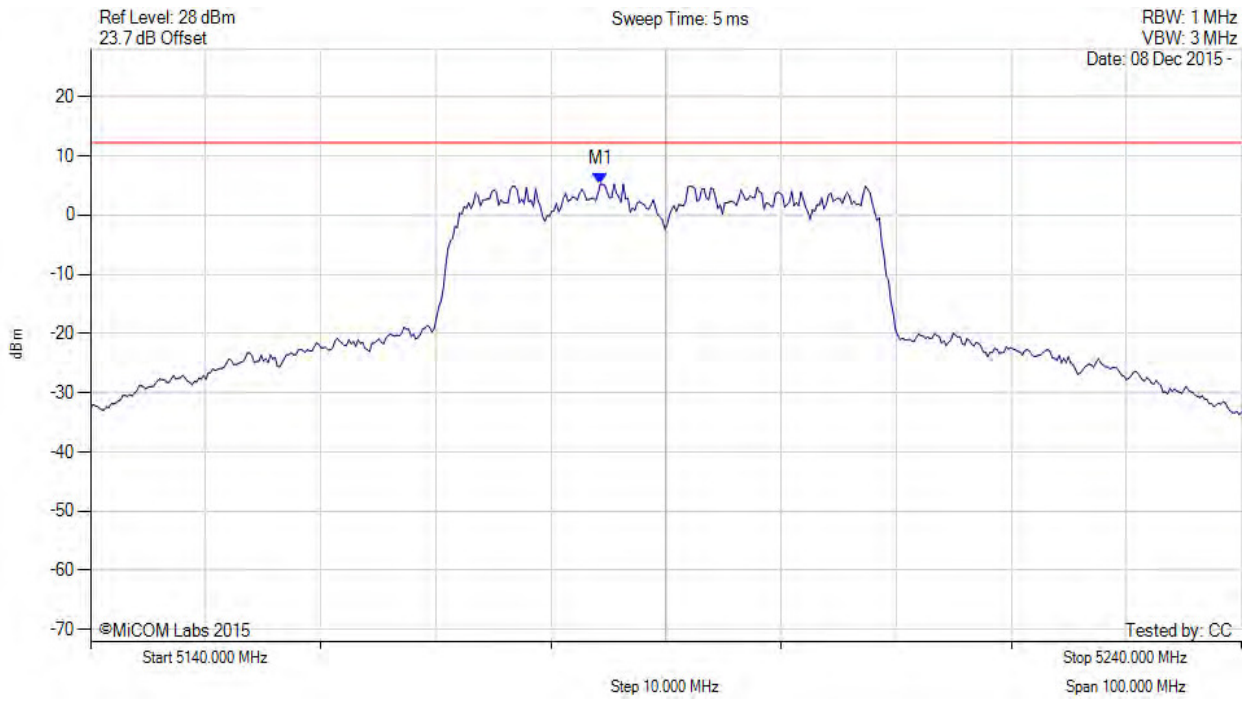
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5238.800 MHz : 14.295 dBm M1 + DCCF : 5238.800 MHz : 14.610 dBm Duty Cycle Correction Factor : +0.32 dB	Limit: ≤ 17.0 dBm Margin: -2.4 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5190.00 MHz, Chain a, Temp: Ambient, Voltage: 48 Vdc



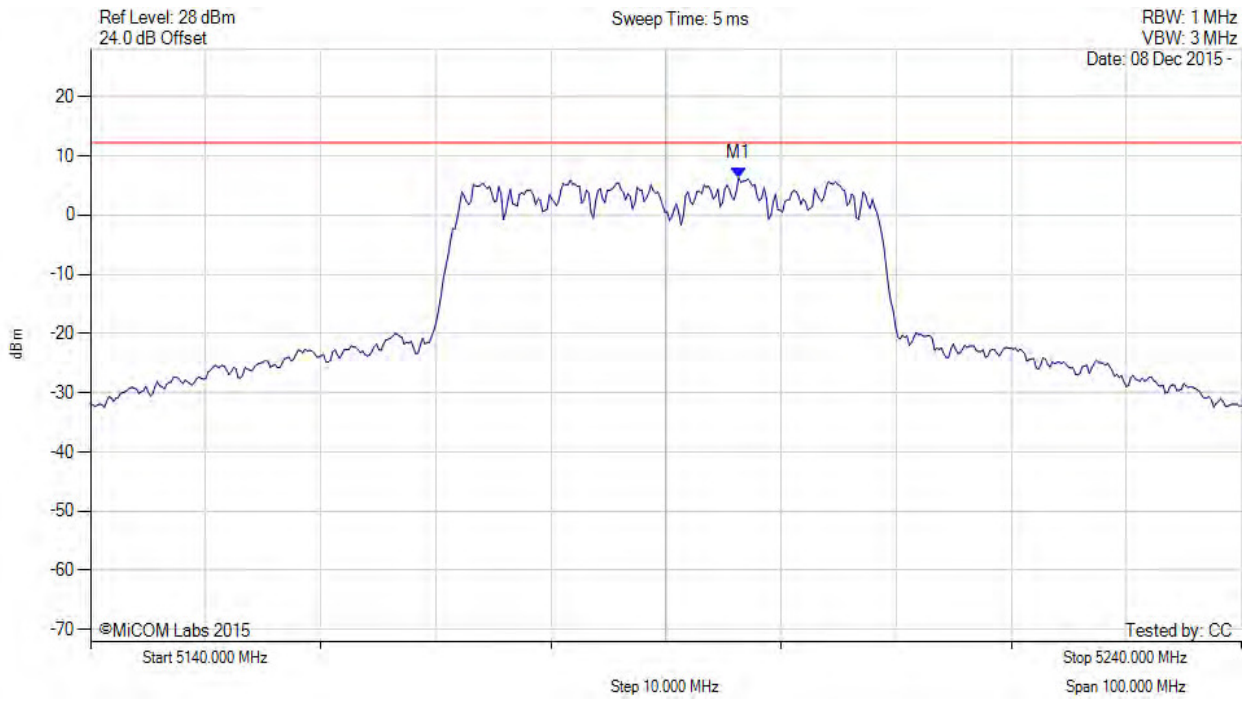
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5184.289 MHz : 5.229 dBm	Limit: ≤ 12.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5190.00 MHz, Chain b, Temp: Ambient, Voltage: 48 Vdc



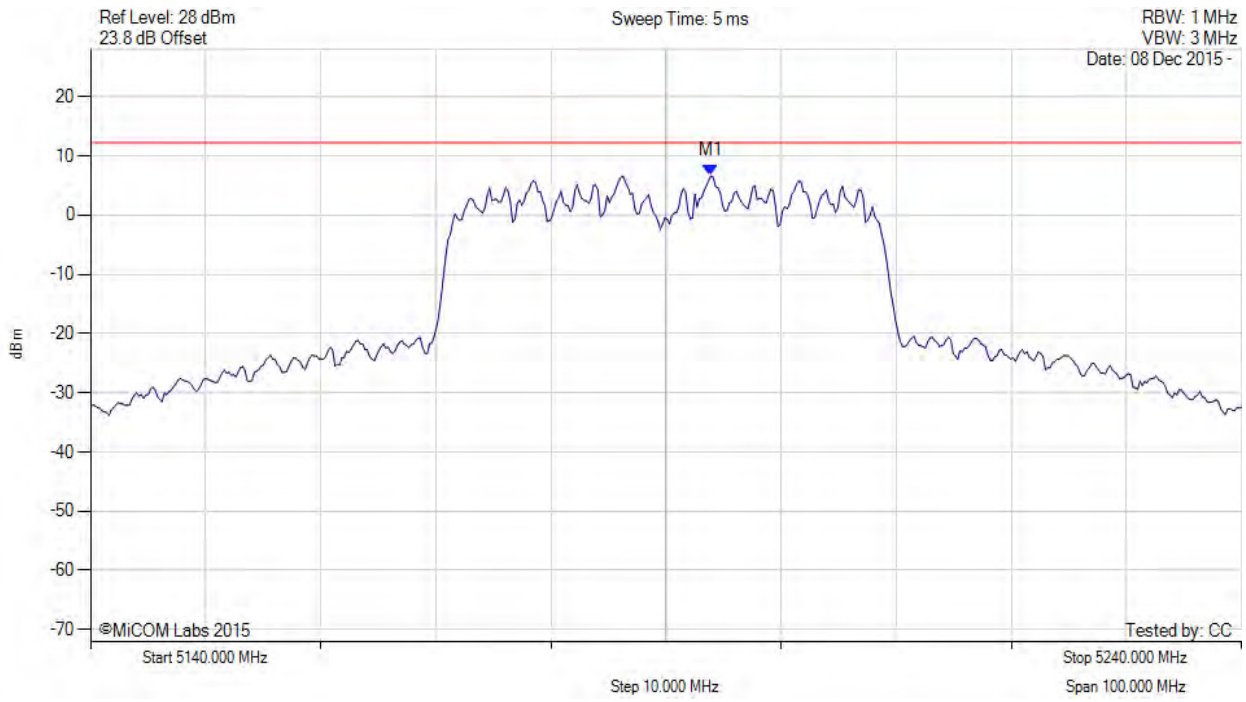
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5196.313 MHz : 6.272 dBm	Limit: ≤ 12.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5190.00 MHz, Chain c, Temp: Ambient, Voltage: 48 Vdc



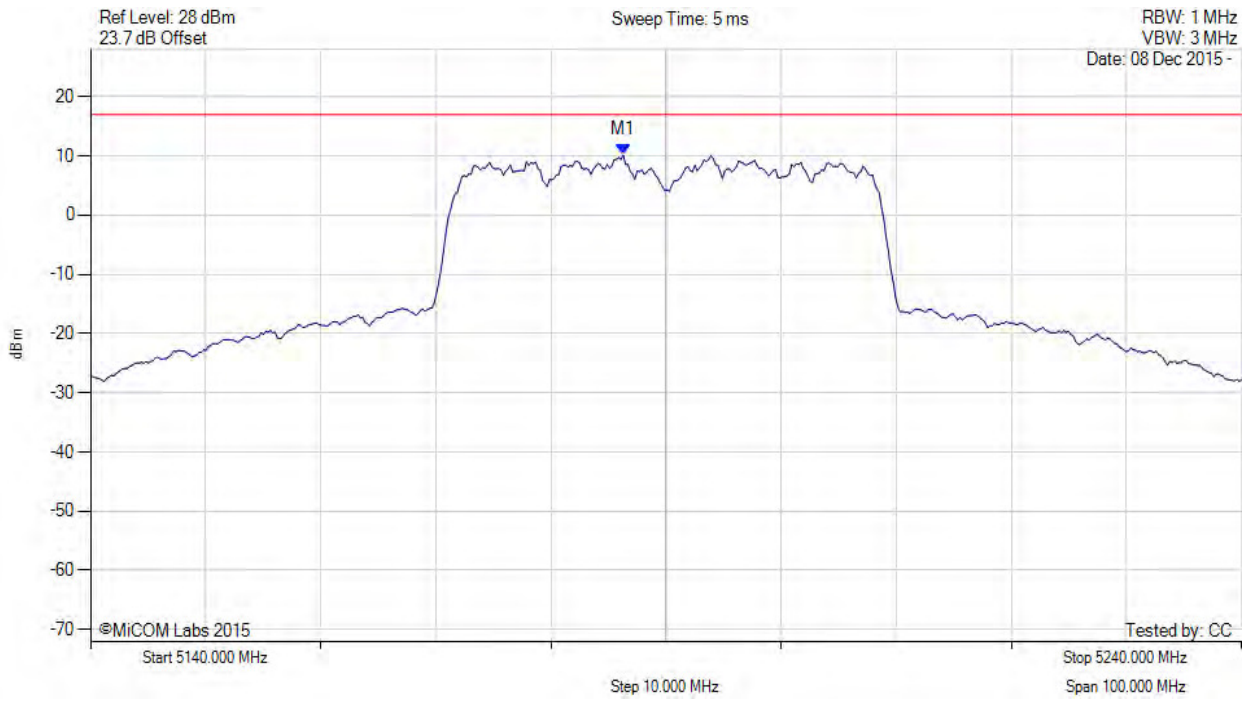
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5193.908 MHz : 6.620 dBm	Limit: ≤ 12.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5190.00 MHz, SUM, Temp: Ambient, Voltage: 48 Vdc



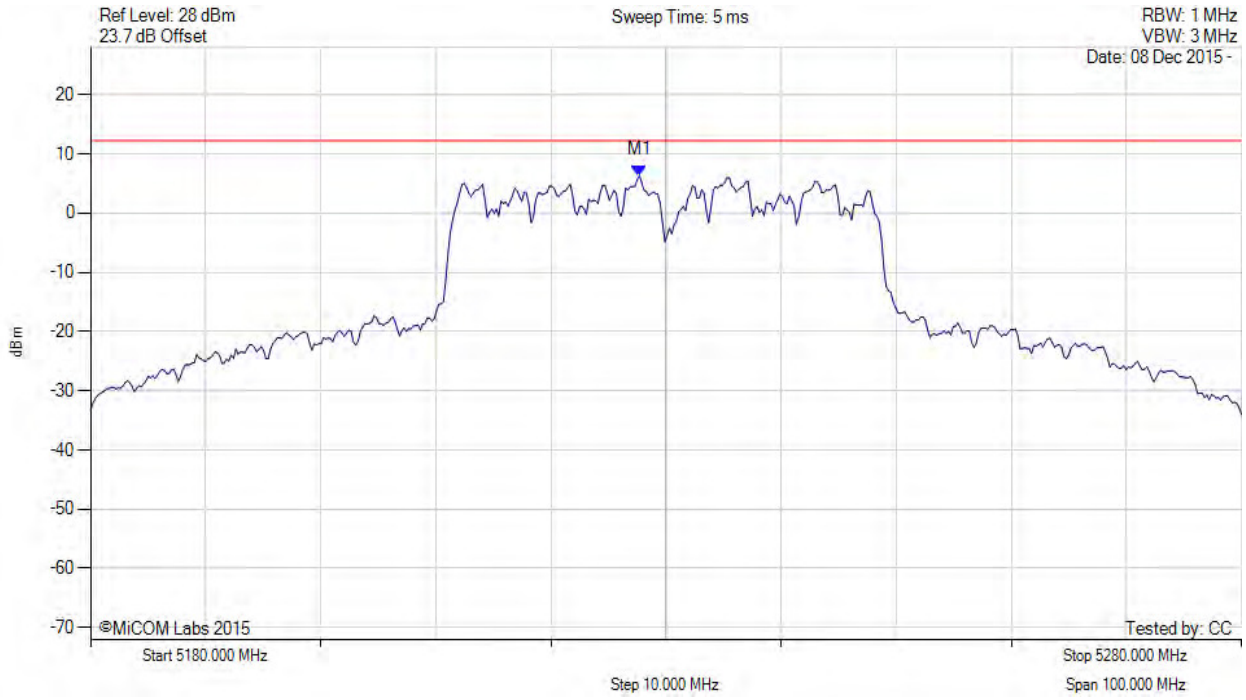
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5186.300 MHz : 10.128 dBm M1 + DCCF : 5186.300 MHz : 11.152 dBm Duty Cycle Correction Factor : +1.02 dB	Limit: ≤ 17.0 dBm Margin: -5.8 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5230.00 MHz, Chain a, Temp: Ambient, Voltage: 48 Vdc



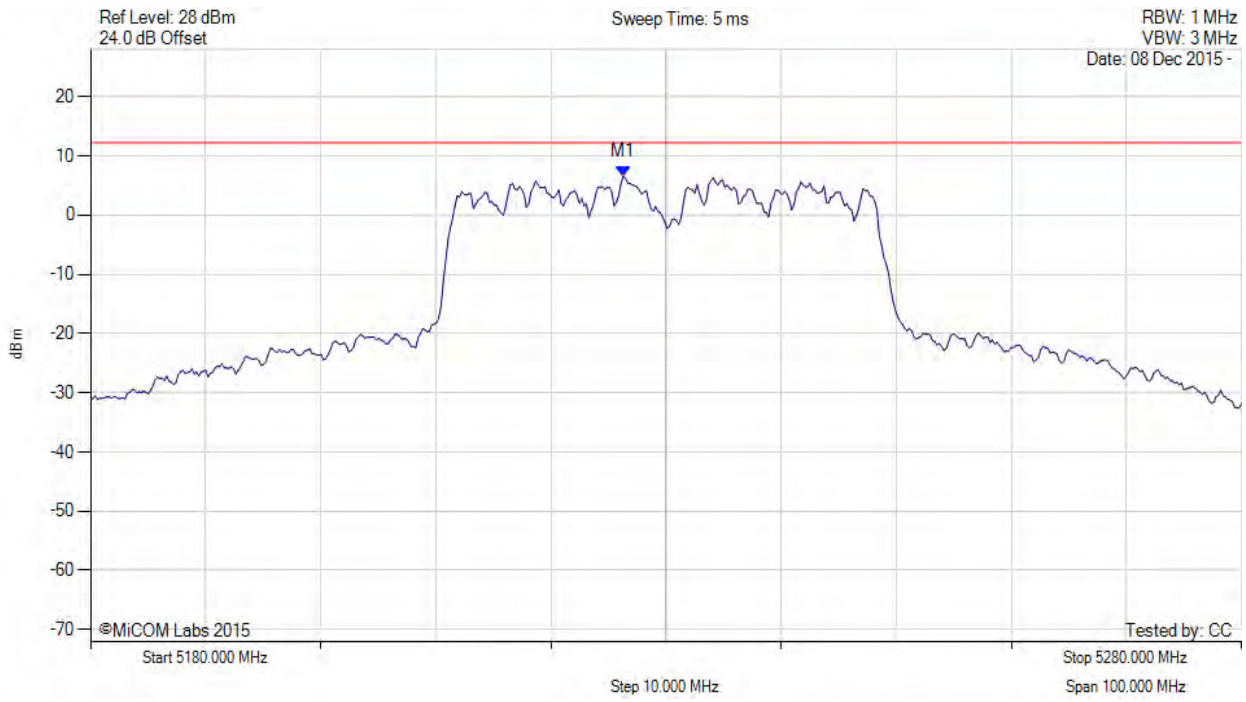
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5227.695 MHz : 6.342 dBm	Limit: ≤ 12.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5230.00 MHz, Chain b, Temp: Ambient, Voltage: 48 Vdc



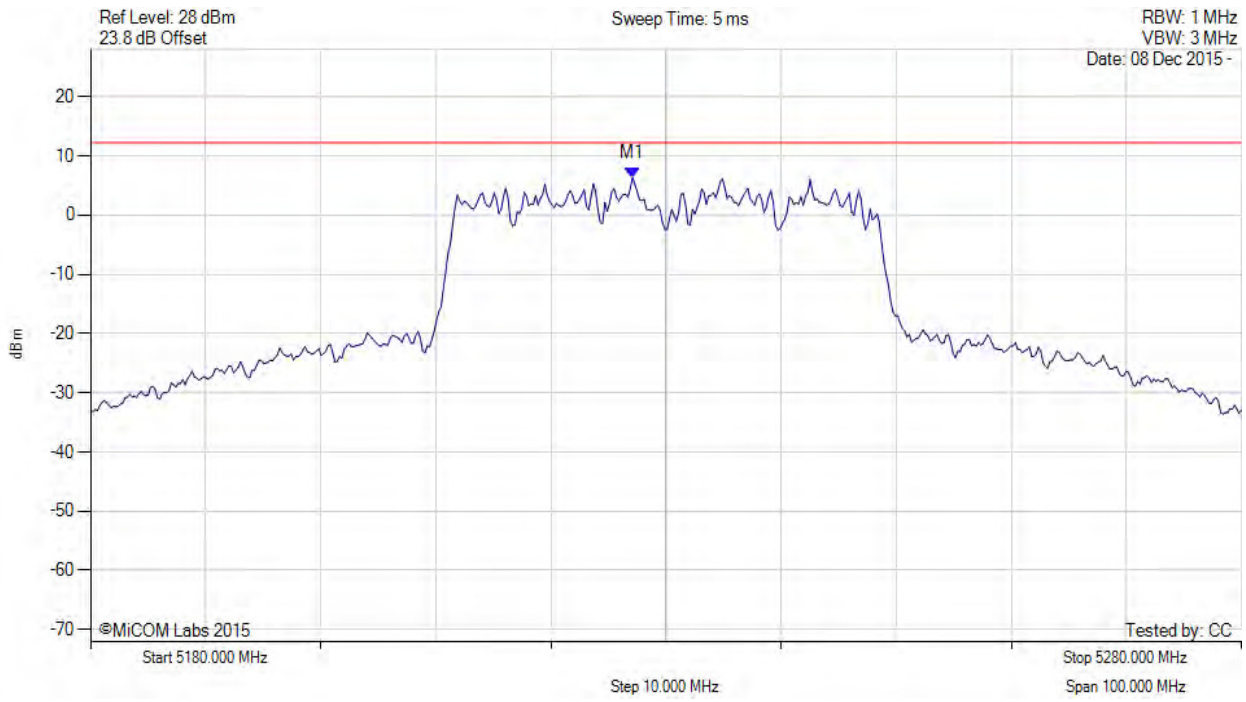
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5226.293 MHz : 6.544 dBm	Limit: ≤ 12.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5230.00 MHz, Chain c, Temp: Ambient, Voltage: 48 Vdc



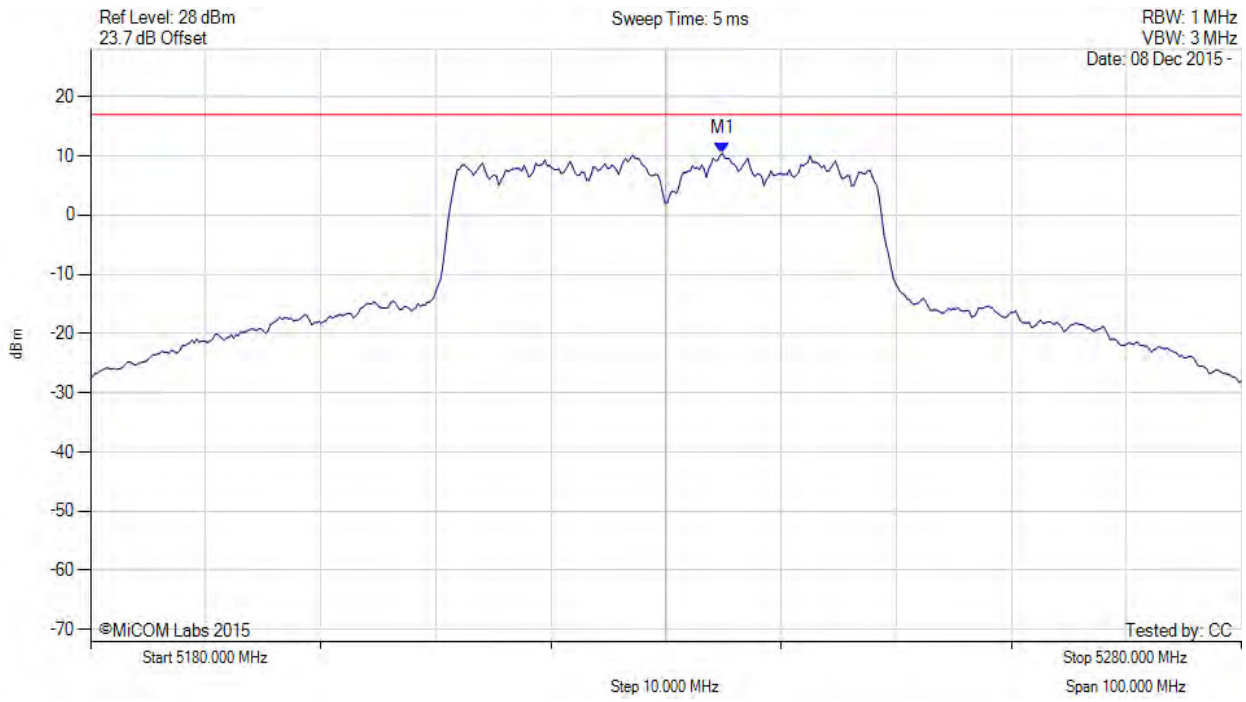
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5227.094 MHz : 6.282 dBm	Limit: ≤ 12.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5230.00 MHz, SUM, Temp: Ambient, Voltage: 48 Vdc



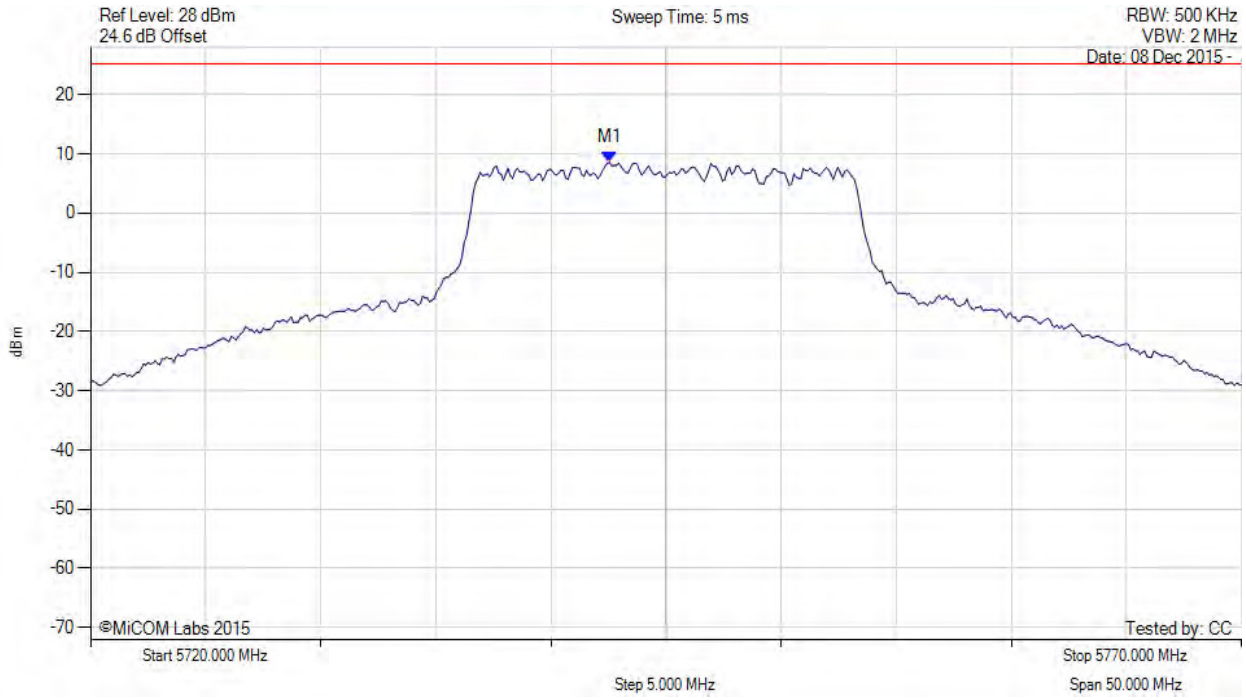
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5234.900 MHz : 10.408 dBm M1 + DCCF : 5234.900 MHz : 11.432 dBm Duty Cycle Correction Factor : +1.02 dB	Limit: ≤ 17.0 dBm Margin: -5.5 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5745.00 MHz, Chain a, Temp: Ambient, Voltage: 48 Vdc



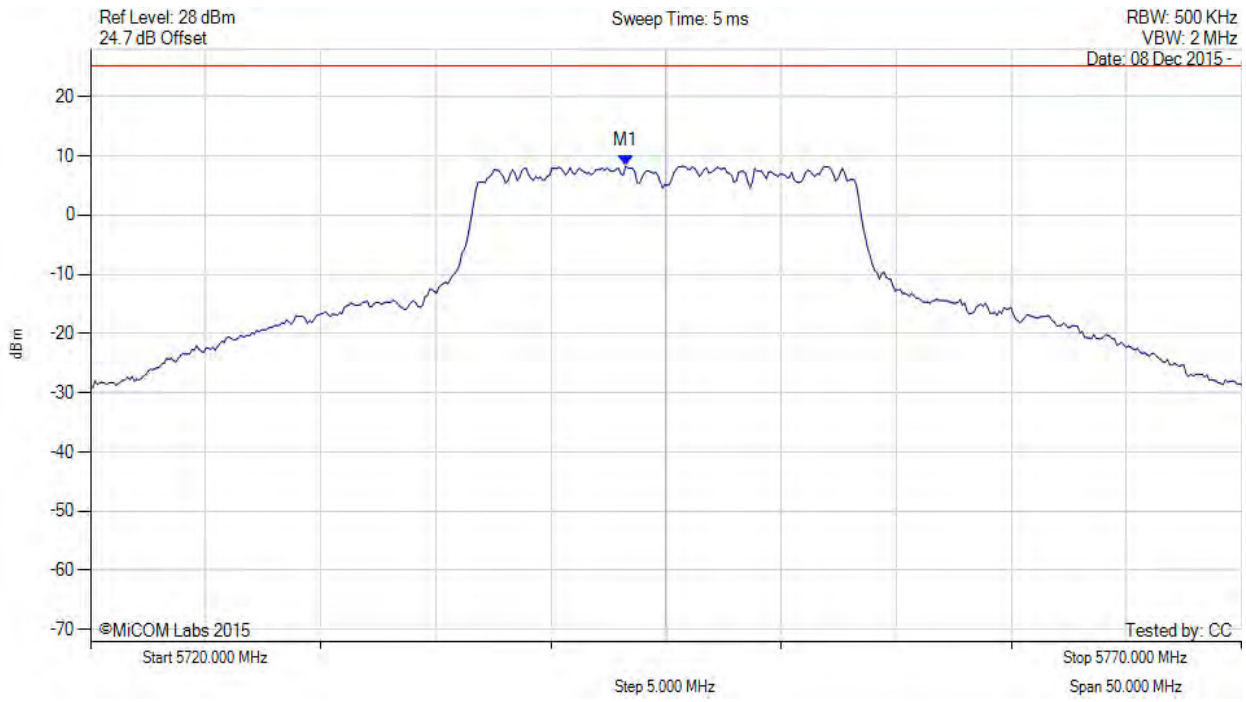
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5742.545 MHz : 8.566 dBm	Limit: ≤ 25.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5745.00 MHz, Chain b, Temp: Ambient, Voltage: 48 Vdc



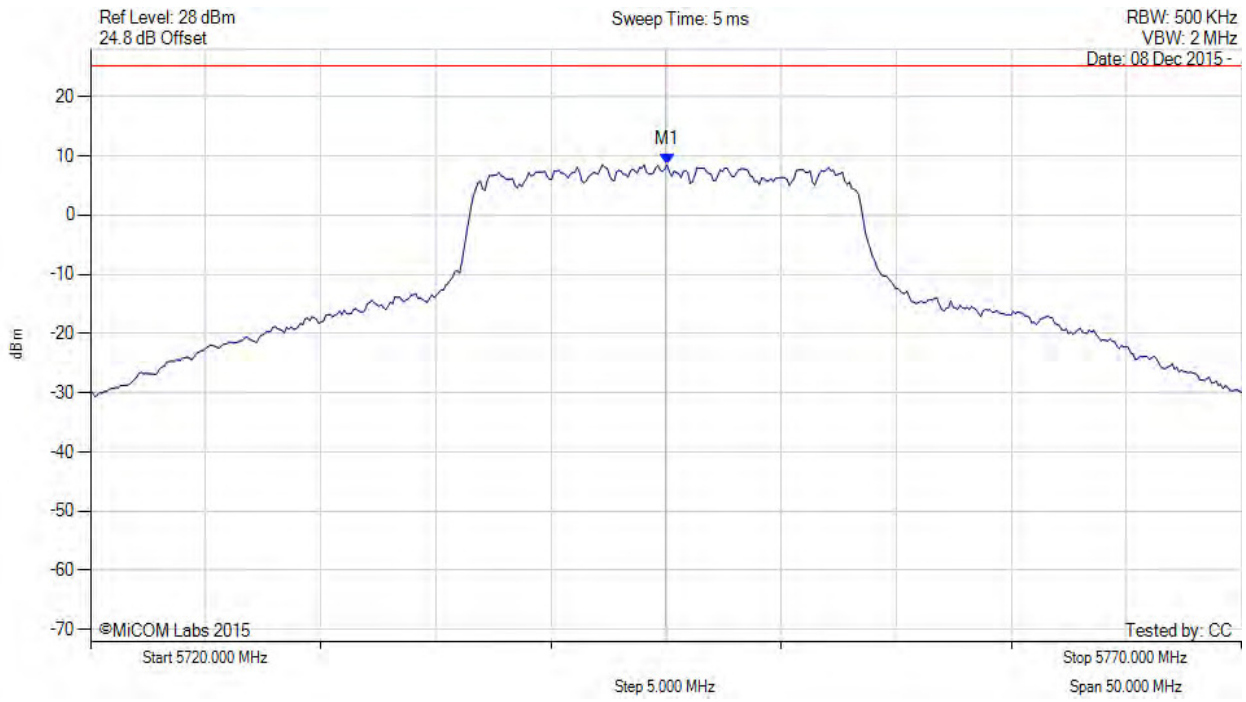
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5743.246 MHz : 8.284 dBm	Limit: ≤ 25.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5745.00 MHz, Chain c, Temp: Ambient, Voltage: 48 Vdc



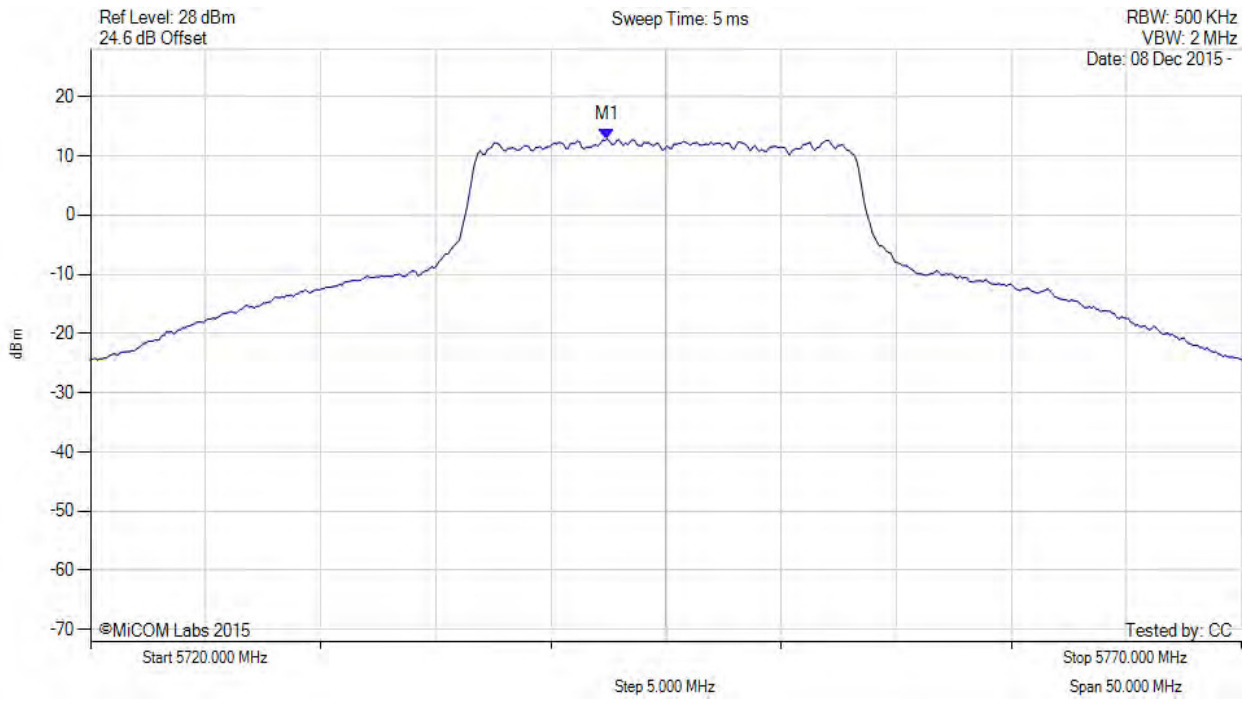
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5745.050 MHz : 8.515 dBm	Limit: ≤ 25.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5745.00 MHz, SUM, Temp: Ambient, Voltage: 48 Vdc



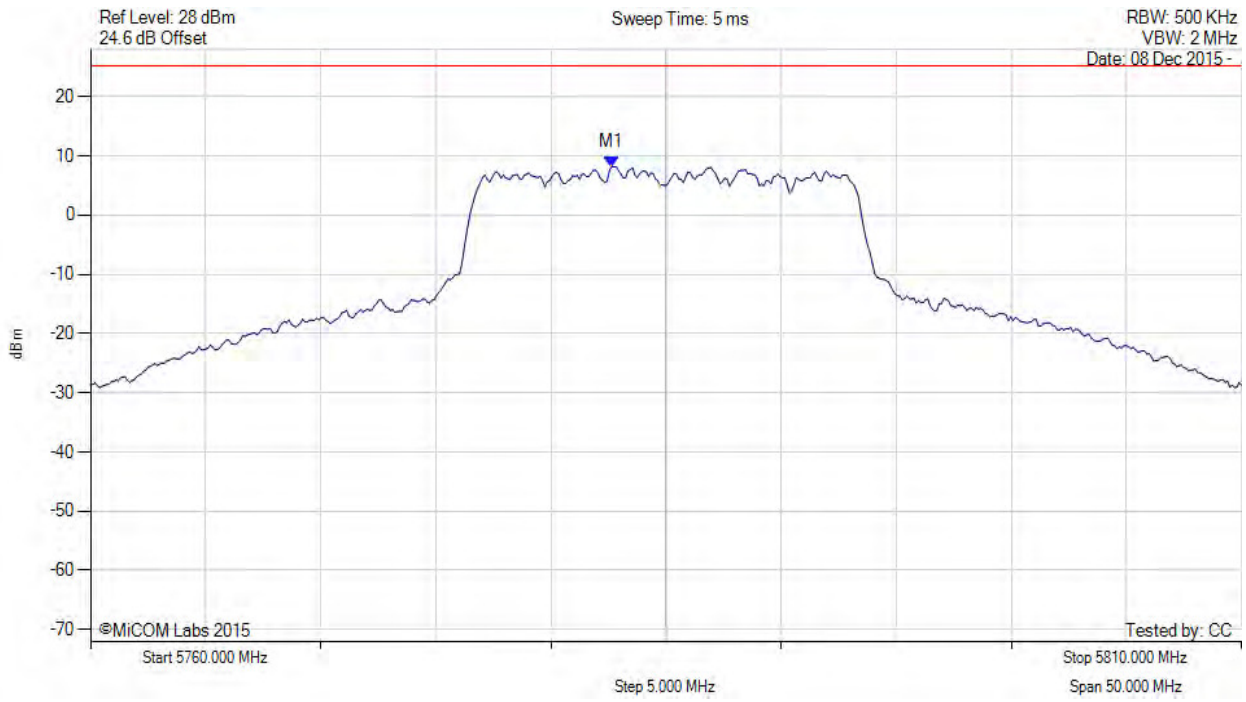
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5742.400 MHz : 12.870 dBm M1 + DCCF : 5742.400 MHz : 13.139 dBm Duty Cycle Correction Factor : +0.27 dB	Limit: ≤ 30.0 dBm Margin: -16.8 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5785.00 MHz, Chain a, Temp: Ambient, Voltage: 48 Vdc



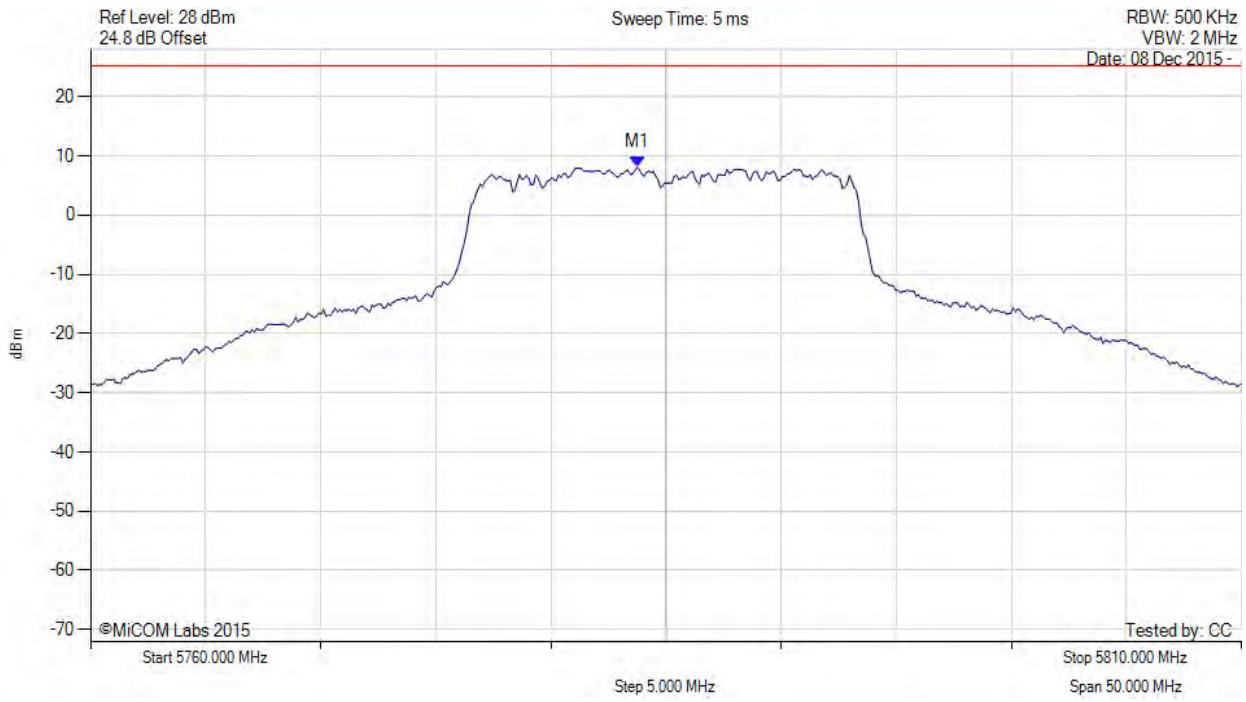
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5782.645 MHz : 8.203 dBm	Limit: ≤ 25.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5785.00 MHz, Chain b, Temp: Ambient, Voltage: 48 Vdc



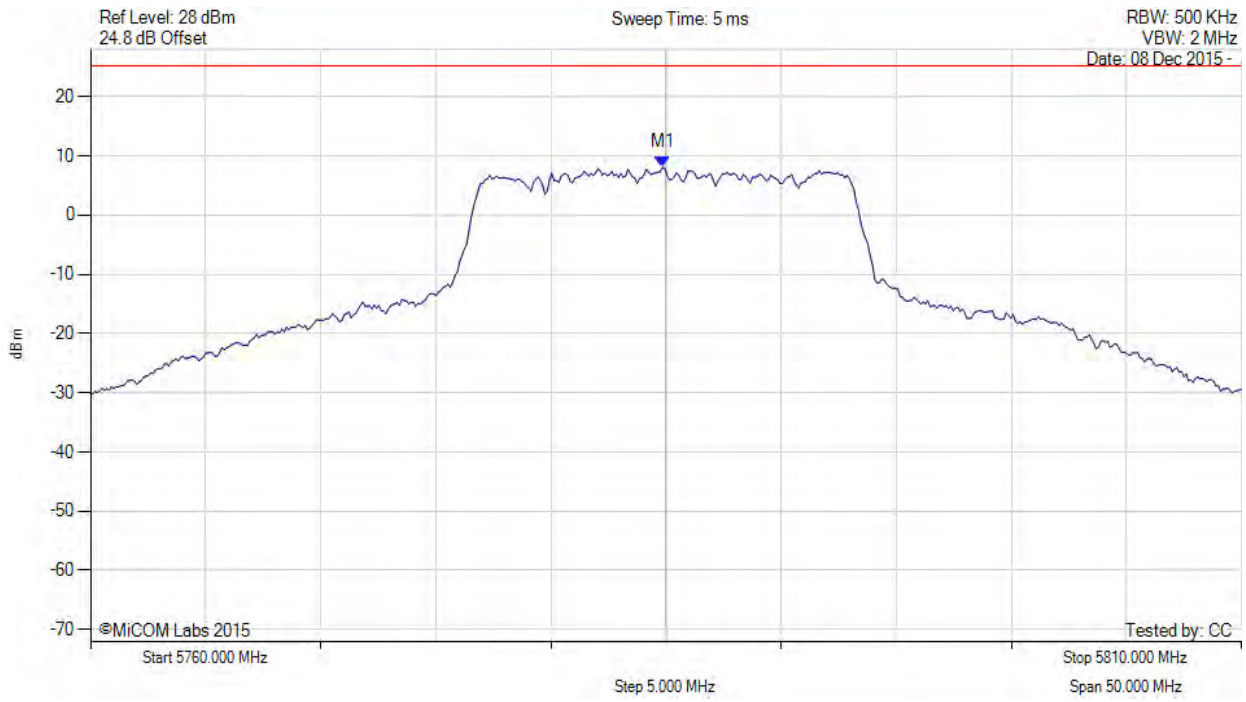
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5783.747 MHz : 8.091 dBm	Channel Frequency: 5785.00 MHz

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5785.00 MHz, Chain c, Temp: Ambient, Voltage: 48 Vdc



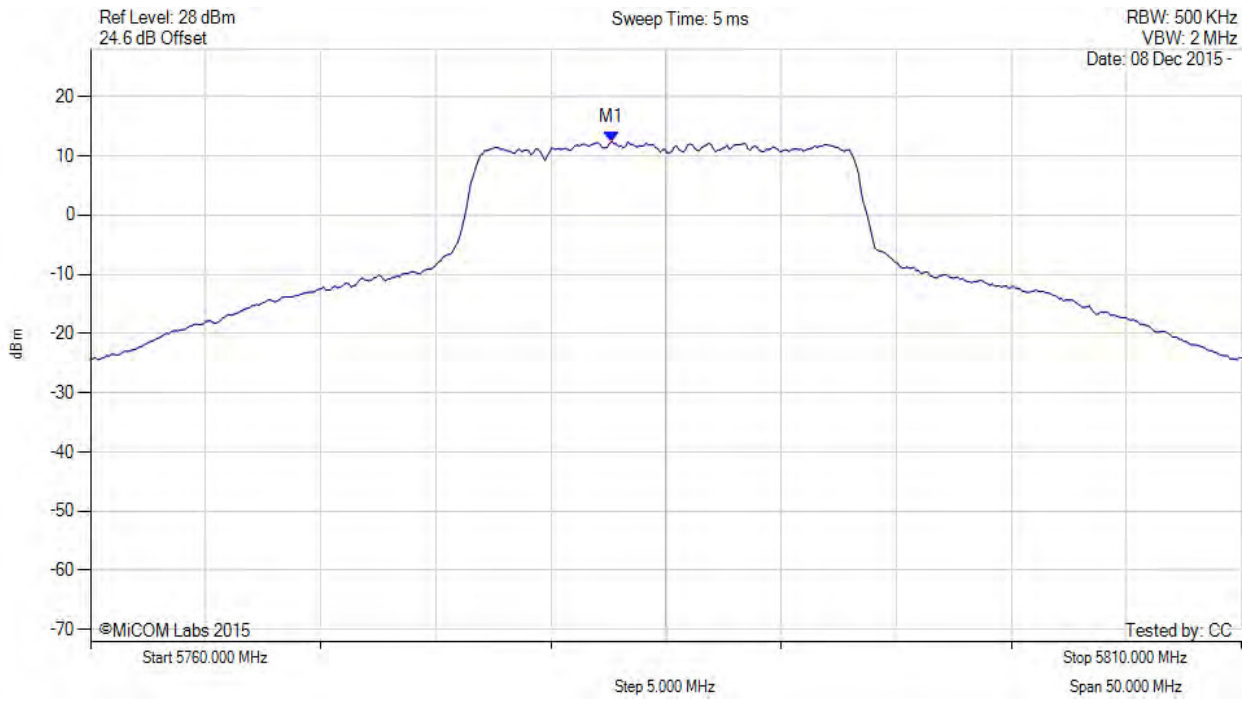
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5784.850 MHz : 8.046 dBm	Limit: ≤ 25.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5785.00 MHz, SUM, Temp: Ambient, Voltage: 48 Vdc



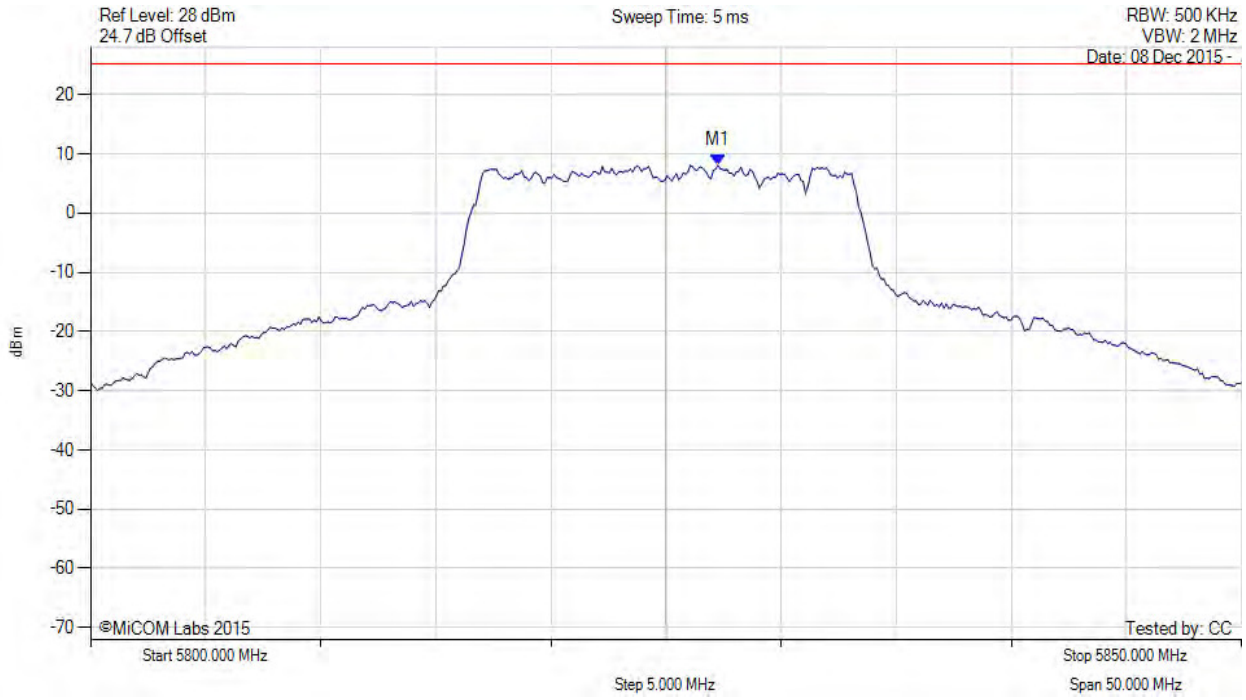
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5782.600 MHz : 12.378 dBm M1 + DCCF : 5782.600 MHz : 12.647 dBm Duty Cycle Correction Factor : +0.27 dB	Limit: ≤ 30.0 dBm Margin: -17.3 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5825.00 MHz, Chain a, Temp: Ambient, Voltage: 48 Vdc



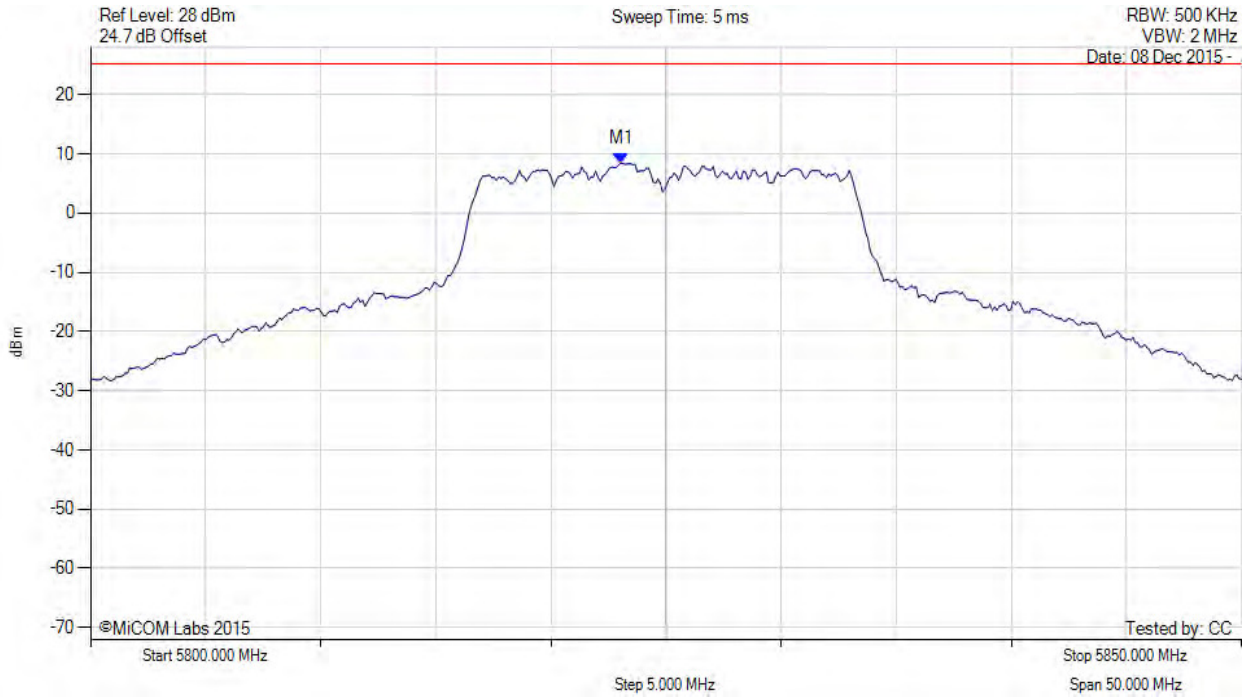
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5827.255 MHz : 8.059 dBm	Limit: ≤ 25.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5825.00 MHz, Chain b, Temp: Ambient, Voltage: 48 Vdc



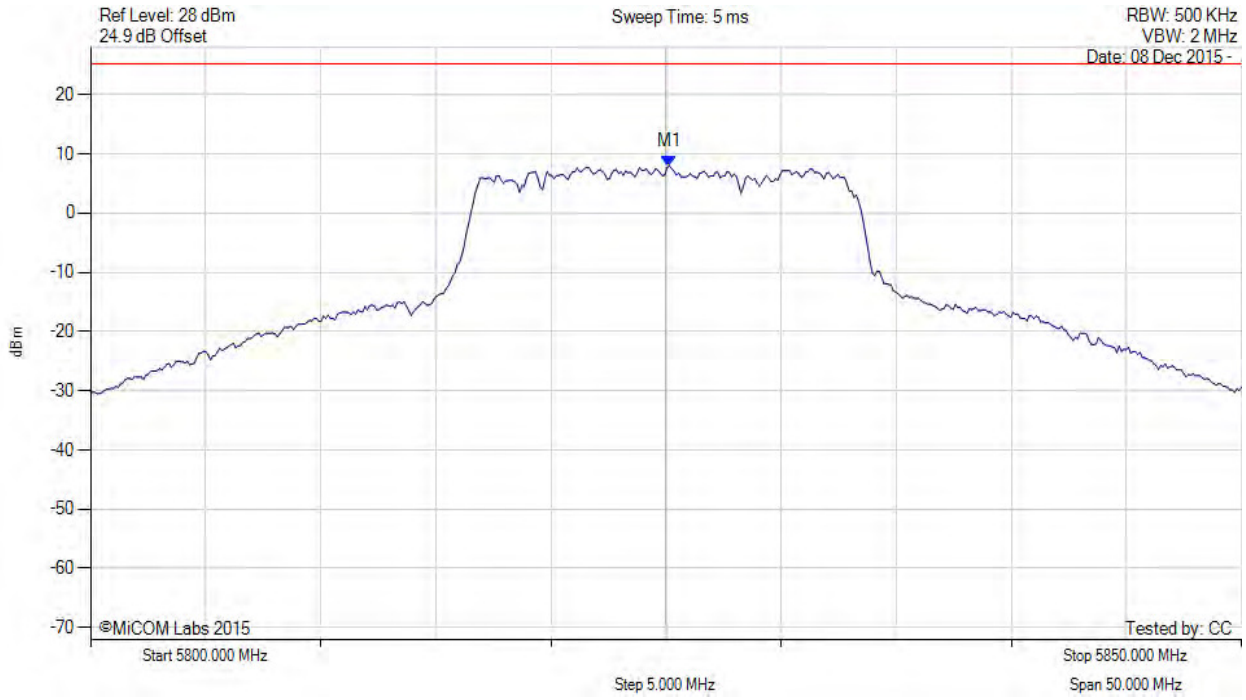
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5823.046 MHz : 8.414 dBm	Limit: ≤ 25.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5825.00 MHz, Chain c, Temp: Ambient, Voltage: 48 Vdc



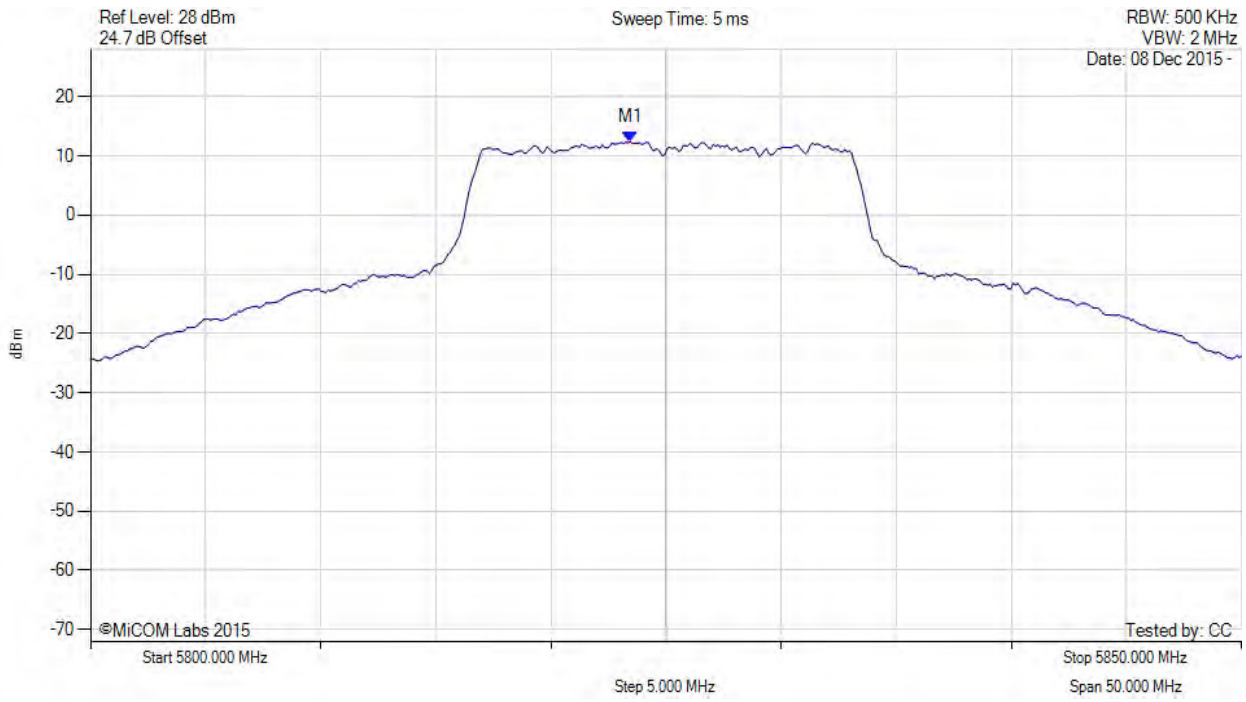
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5825.150 MHz : 7.964 dBm	Limit: ≤ 25.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11a, Channel: 5825.00 MHz, SUM, Temp: Ambient, Voltage: 48 Vdc



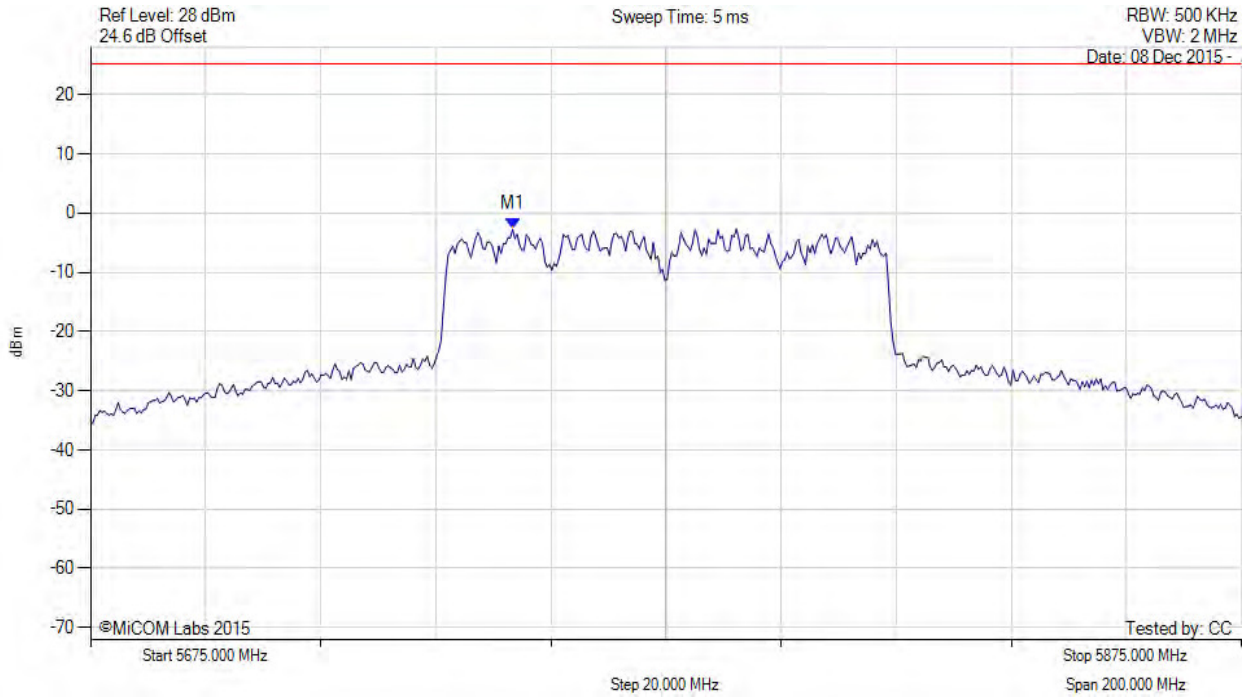
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5823.400 MHz : 12.375 dBm M1 + DCCF : 5823.400 MHz : 12.644 dBm Duty Cycle Correction Factor : +0.27 dB	Limit: ≤ 30.0 dBm Margin: -17.3 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11ac-80, Channel: 5775.00 MHz, Chain a, Temp: Ambient, Voltage: 48 Vdc



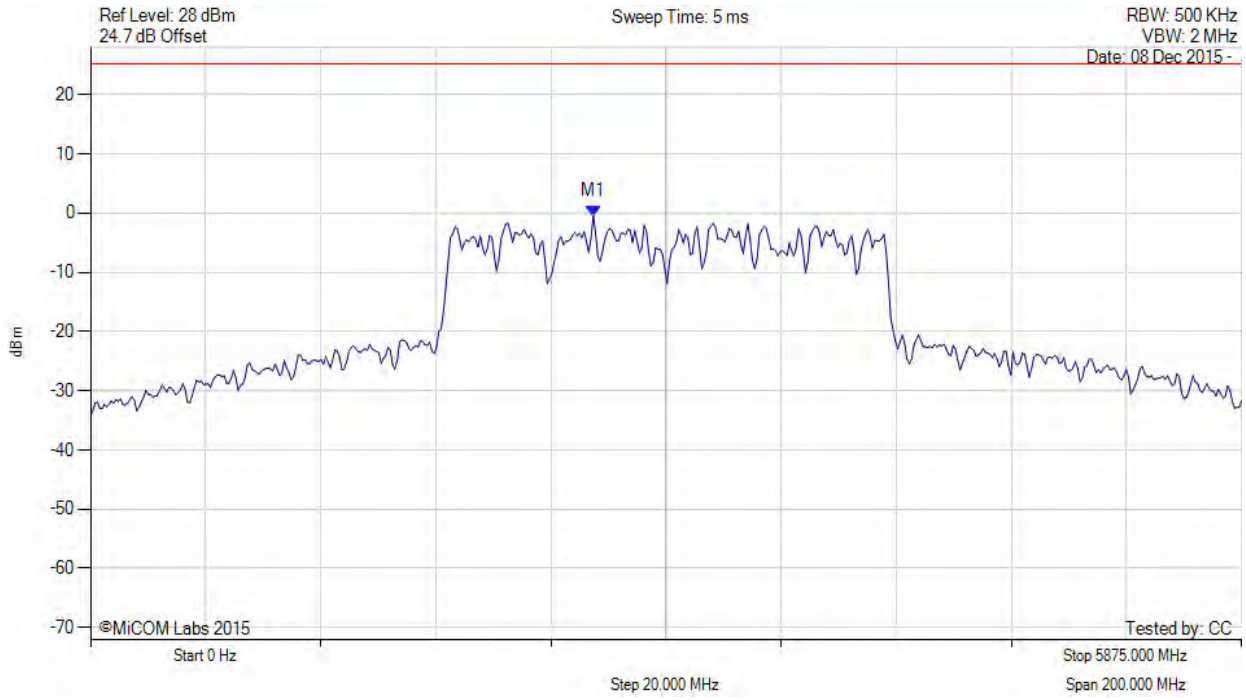
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5748.347 MHz : -2.732 dBm	Limit: ≤ 25.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11ac-80, Channel: 5775.00 MHz, Chain b, Temp: Ambient, Voltage: 48 Vdc



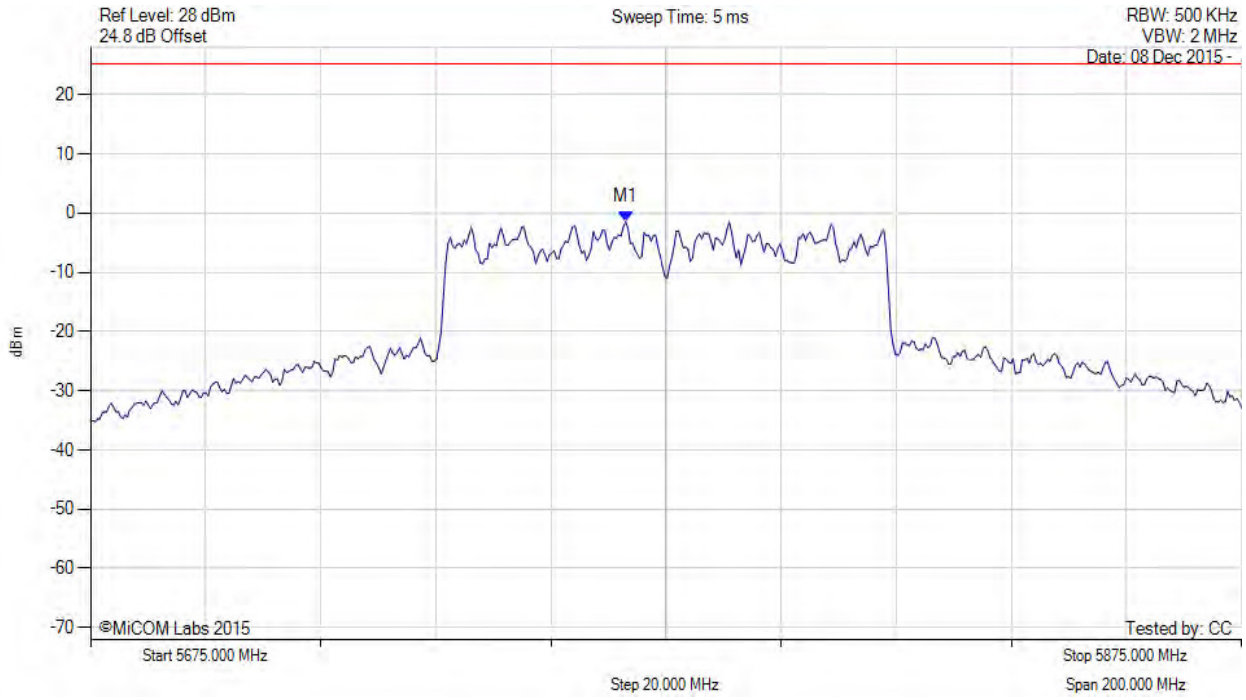
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5762.375 MHz : -0.468 dBm	Limit: ≤ 25.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11ac-80, Channel: 5775.00 MHz, Chain c, Temp: Ambient, Voltage: 48 Vdc



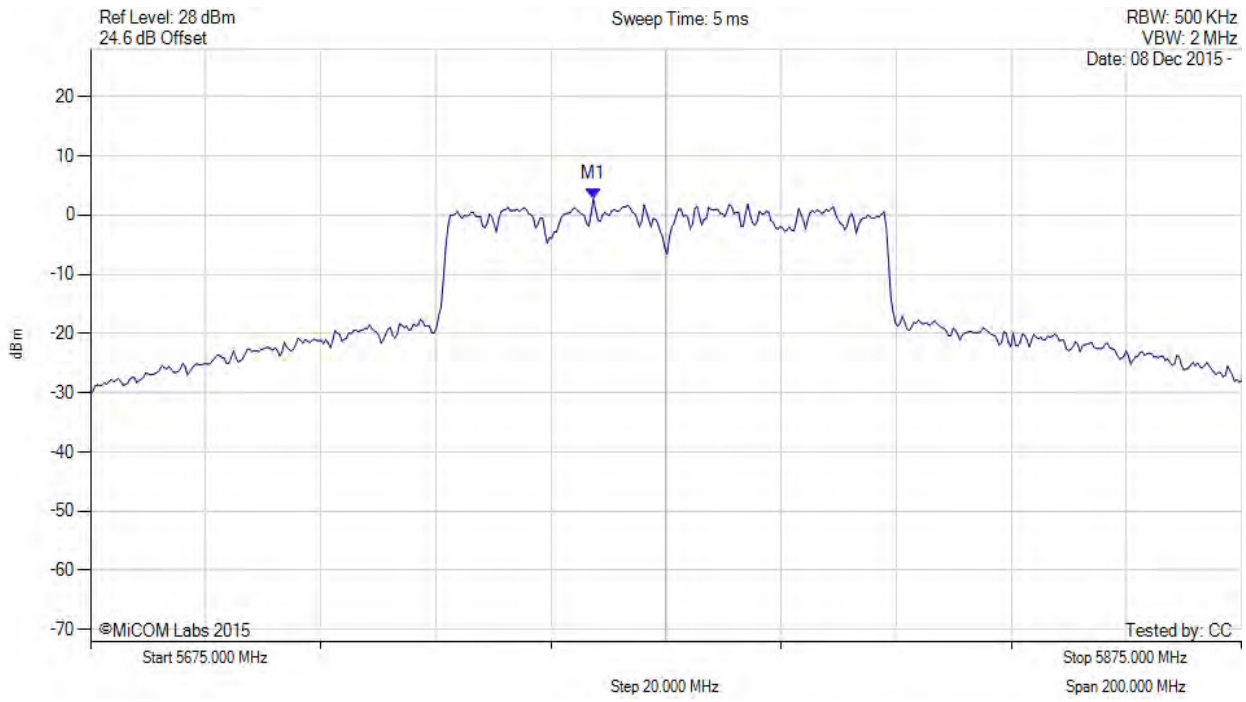
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5767.986 MHz : -1.456 dBm	Limit: ≤ 25.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11ac-80, Channel: 5775.00 MHz, SUM, Temp: Ambient, Voltage: 48 Vdc



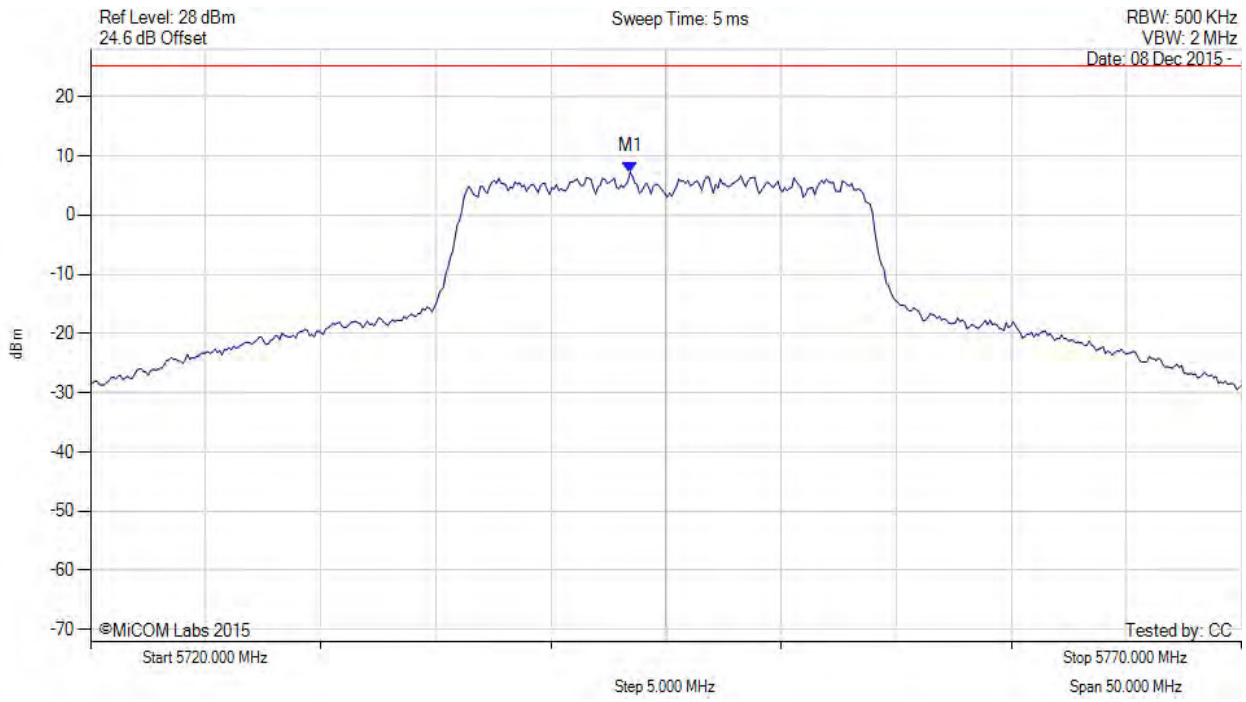
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5762.400 MHz : 2.746 dBm M1 + DCCF : 5762.400 MHz : 4.617 dBm Duty Cycle Correction Factor : +1.87 dB	Limit: ≤ 30.0 dBm Margin: -25.4 dB

back to matrix

This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.

POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5745.00 MHz, Chain a, Temp: Ambient, Voltage: 48 Vdc



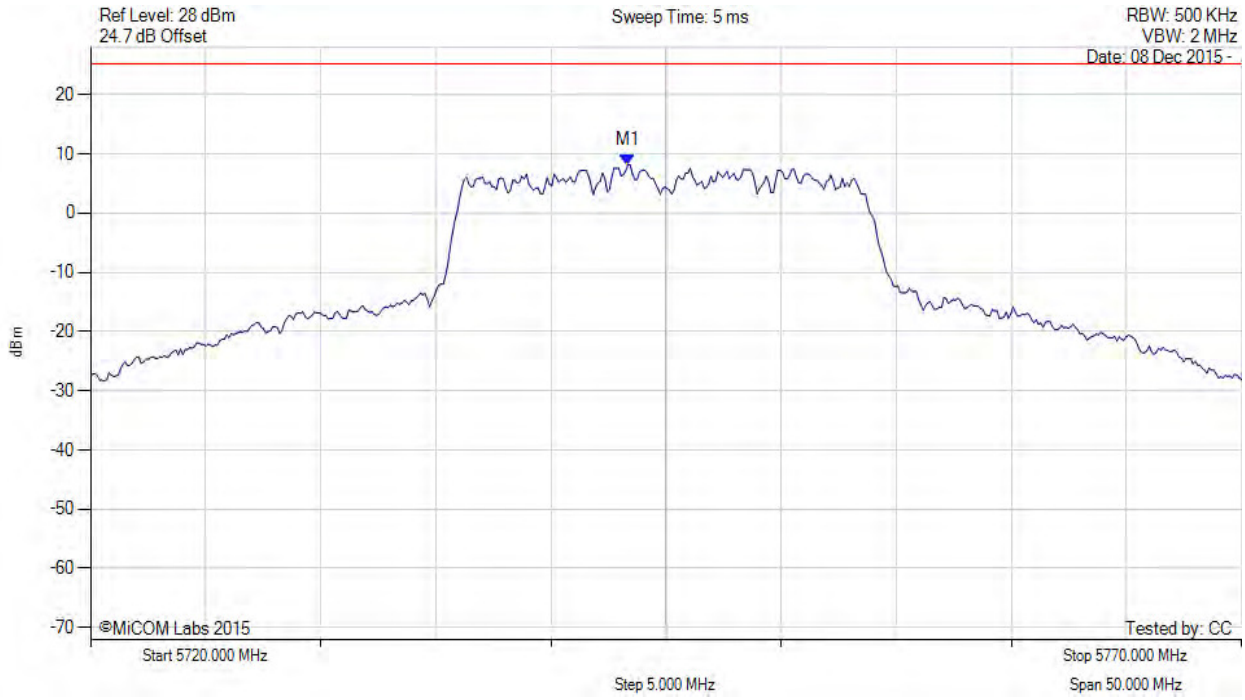
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5743.447 MHz : 7.275 dBm	Limit: ≤ 25.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5745.00 MHz, Chain b, Temp: Ambient, Voltage: 48 Vdc



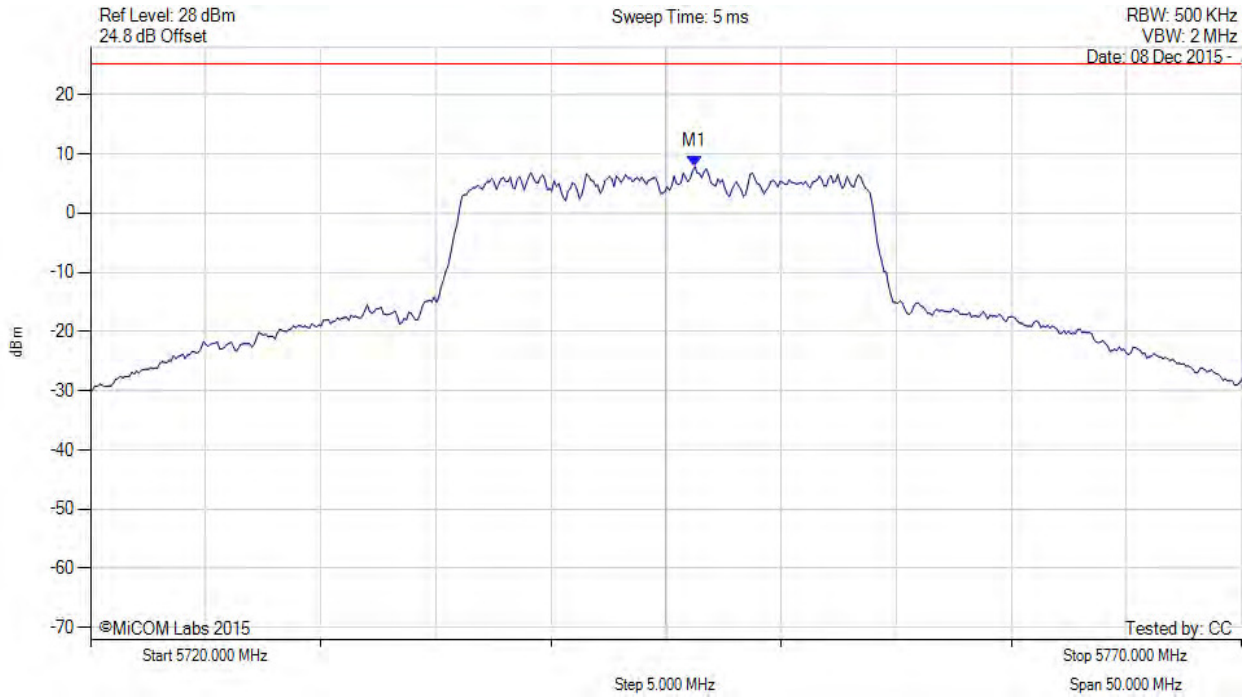
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5743.347 MHz : 8.155 dBm	Limit: ≤ 25.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5745.00 MHz, Chain c, Temp: Ambient, Voltage: 48 Vdc



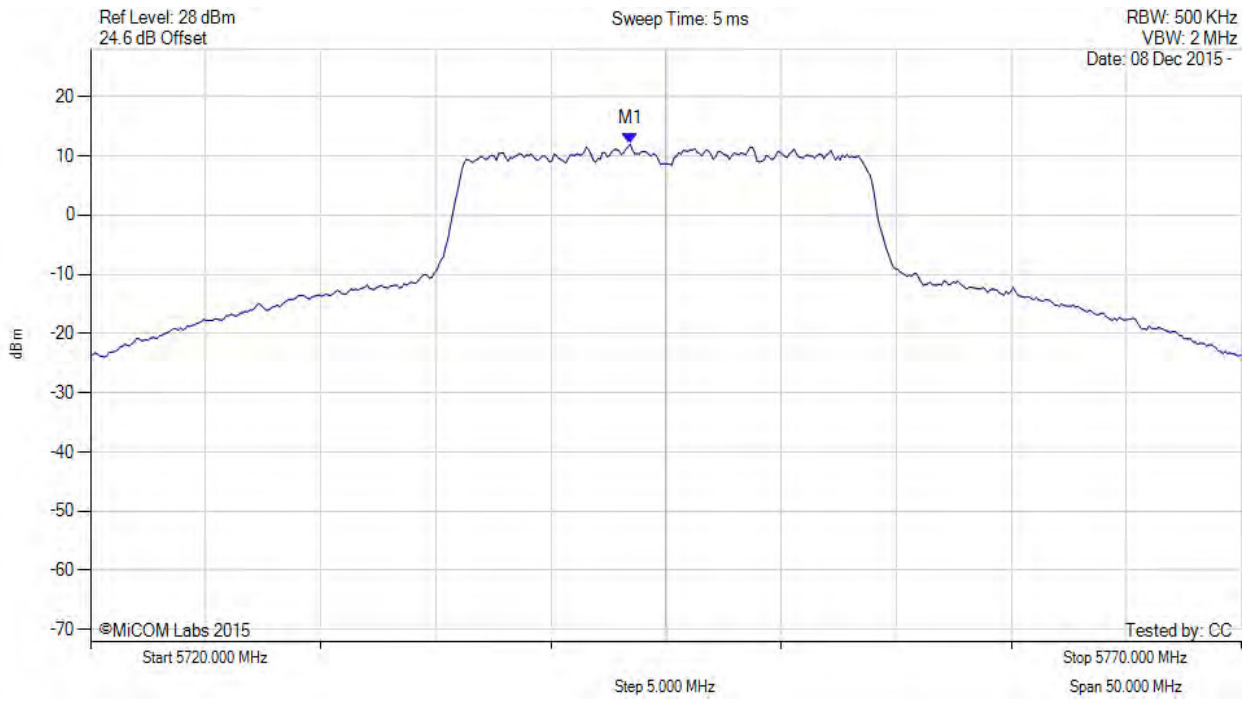
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5746.253 MHz : 7.848 dBm	Limit: ≤ 25.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5745.00 MHz, SUM, Temp: Ambient, Voltage: 48 Vdc



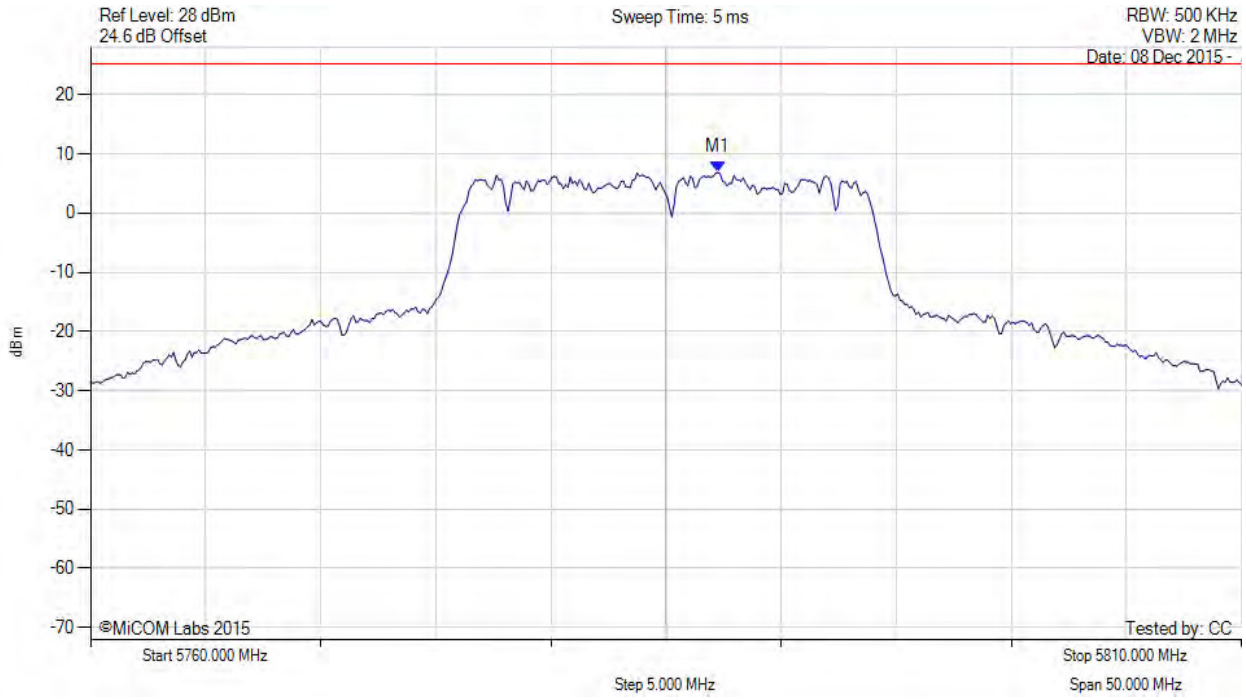
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5743.400 MHz : 11.986 dBm M1 + DCCF : 5743.400 MHz : 12.301 dBm Duty Cycle Correction Factor : +0.32 dB	Limit: ≤ 30.0 dBm Margin: -17.7 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5785.00 MHz, Chain a, Temp: Ambient, Voltage: 48 Vdc



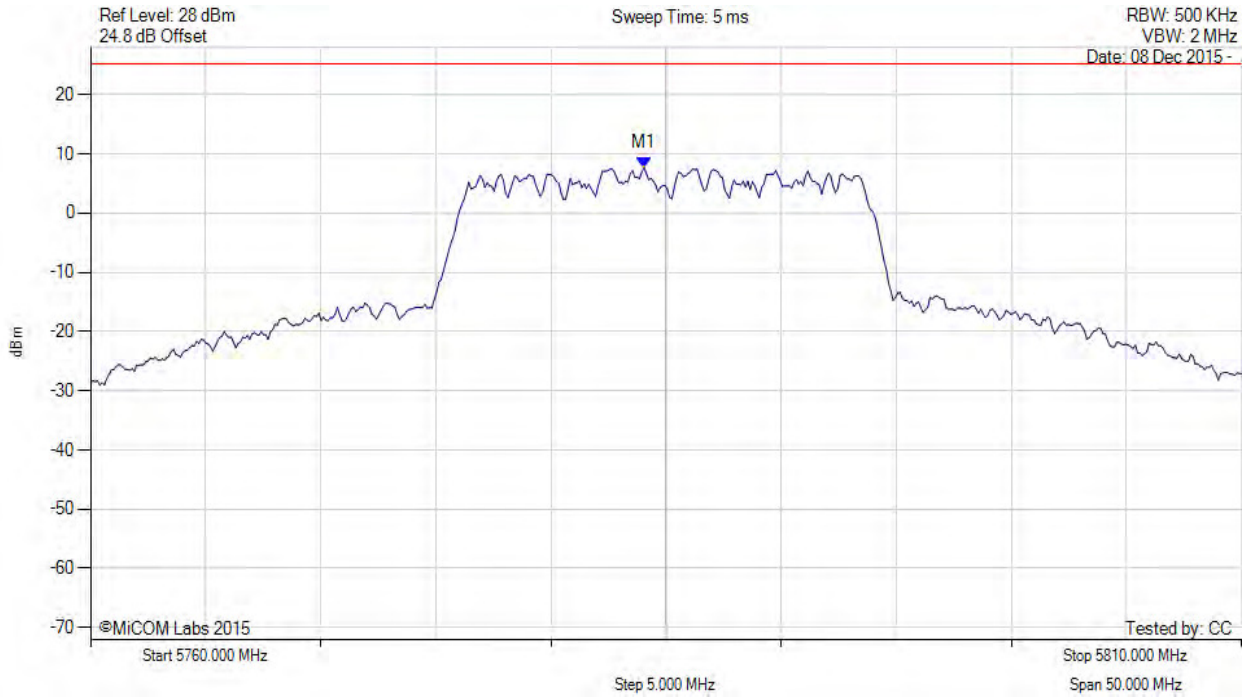
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5787.255 MHz : 6.859 dBm	Limit: ≤ 25.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5785.00 MHz, Chain b, Temp: Ambient, Voltage: 48 Vdc



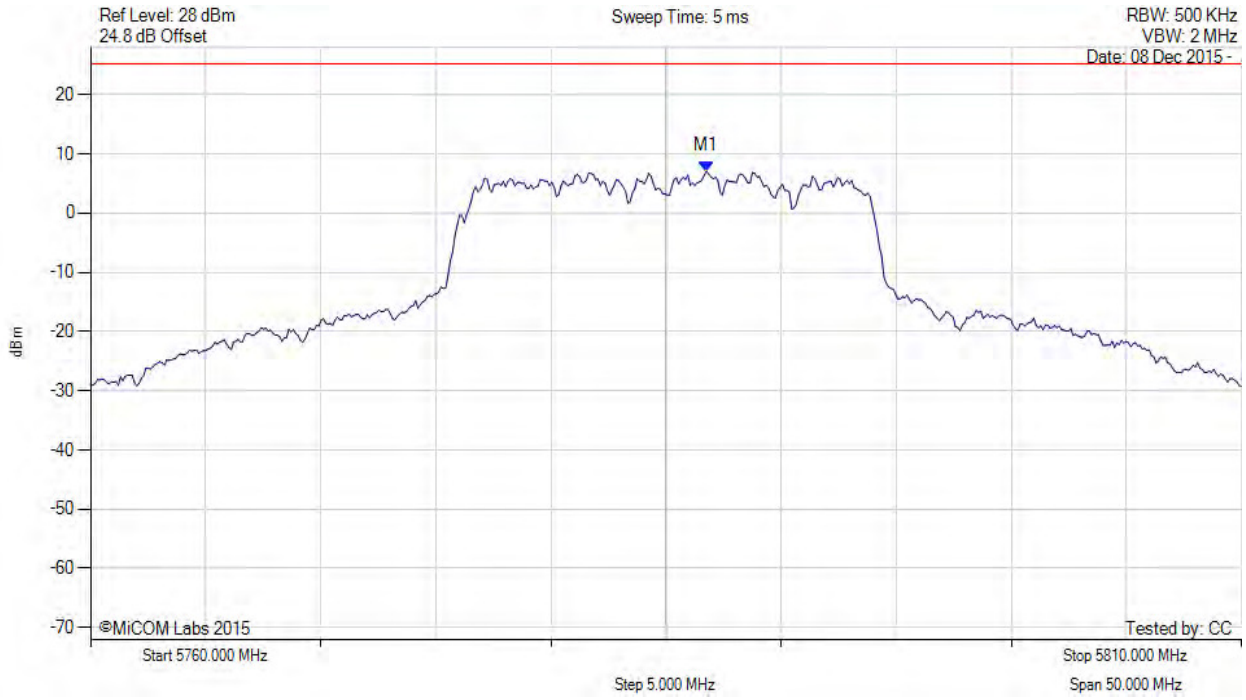
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5784.048 MHz : 7.680 dBm	Channel Frequency: 5785.00 MHz

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5785.00 MHz, Chain c, Temp: Ambient, Voltage: 48 Vdc



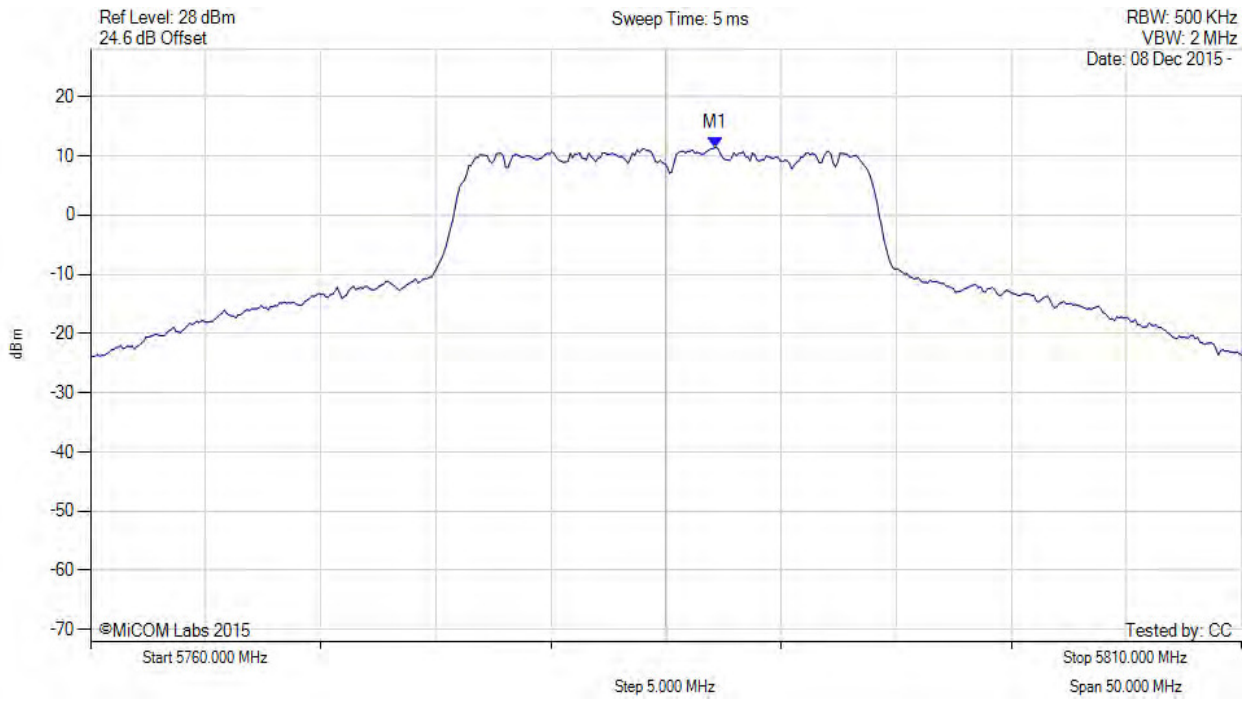
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5786.754 MHz : 7.061 dBm	Limit: ≤ 25.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5785.00 MHz, SUM, Temp: Ambient, Voltage: 48 Vdc



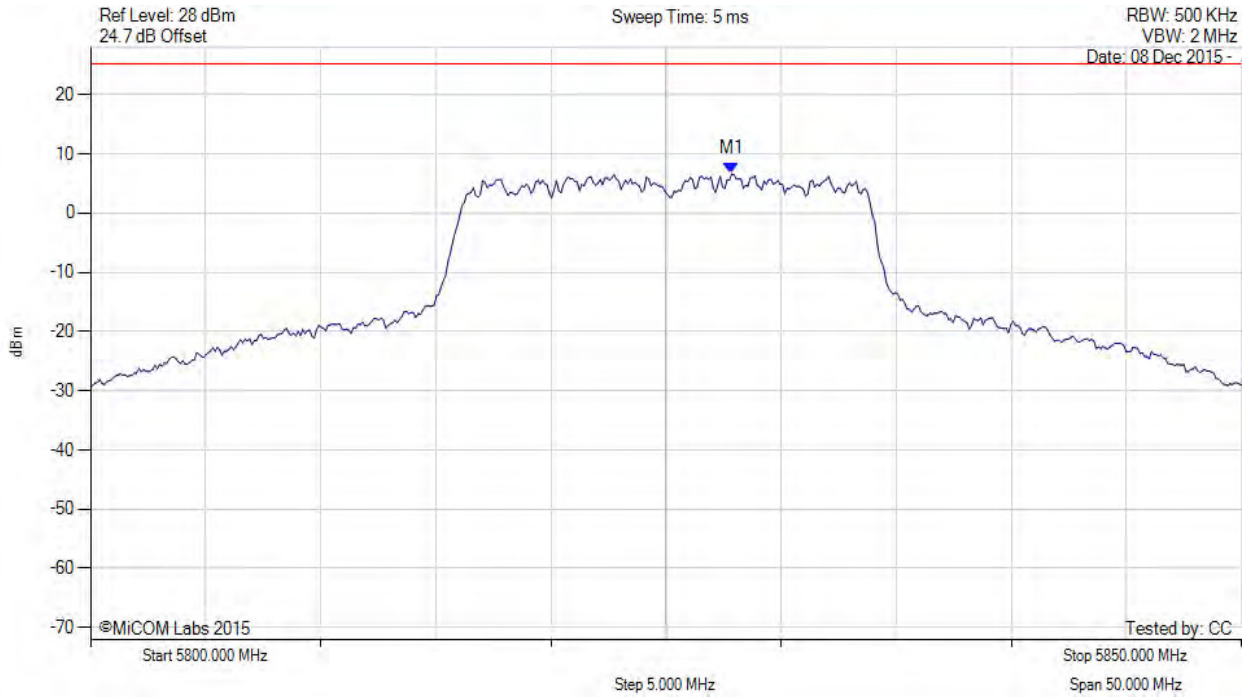
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5787.200 MHz : 11.449 dBm M1 + DCCF : 5787.200 MHz : 11.764 dBm Duty Cycle Correction Factor : +0.32 dB	Limit: ≤ 30.0 dBm Margin: -18.2 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5825.00 MHz, Chain a, Temp: Ambient, Voltage: 48 Vdc



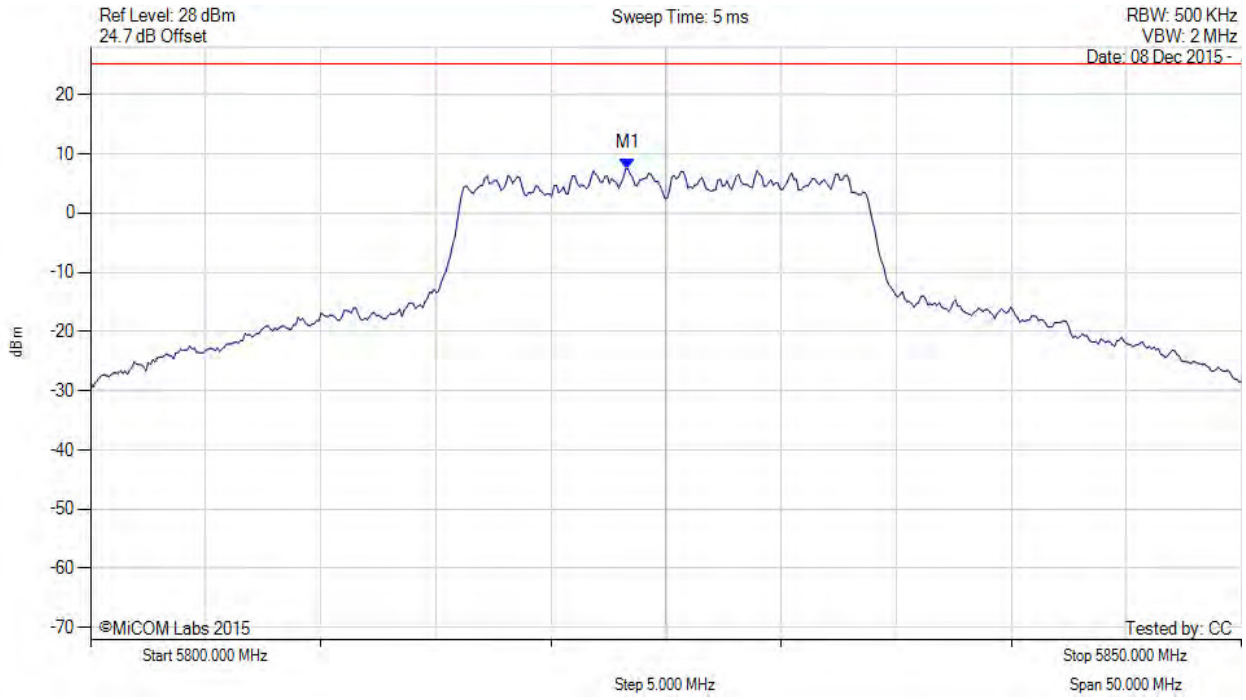
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5827.856 MHz : 6.613 dBm	Limit: ≤ 25.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5825.00 MHz, Chain b, Temp: Ambient, Voltage: 48 Vdc



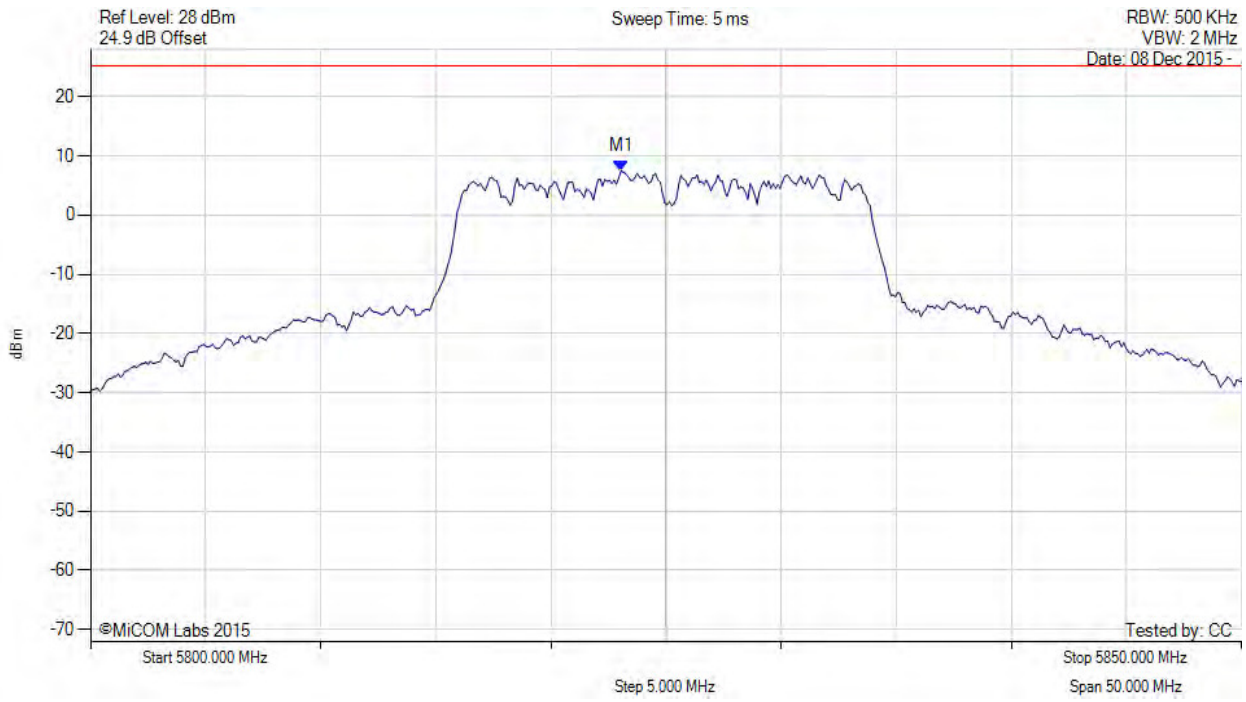
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5823.347 MHz : 7.534 dBm	Limit: ≤ 25.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5825.00 MHz, Chain c, Temp: Ambient, Voltage: 48 Vdc



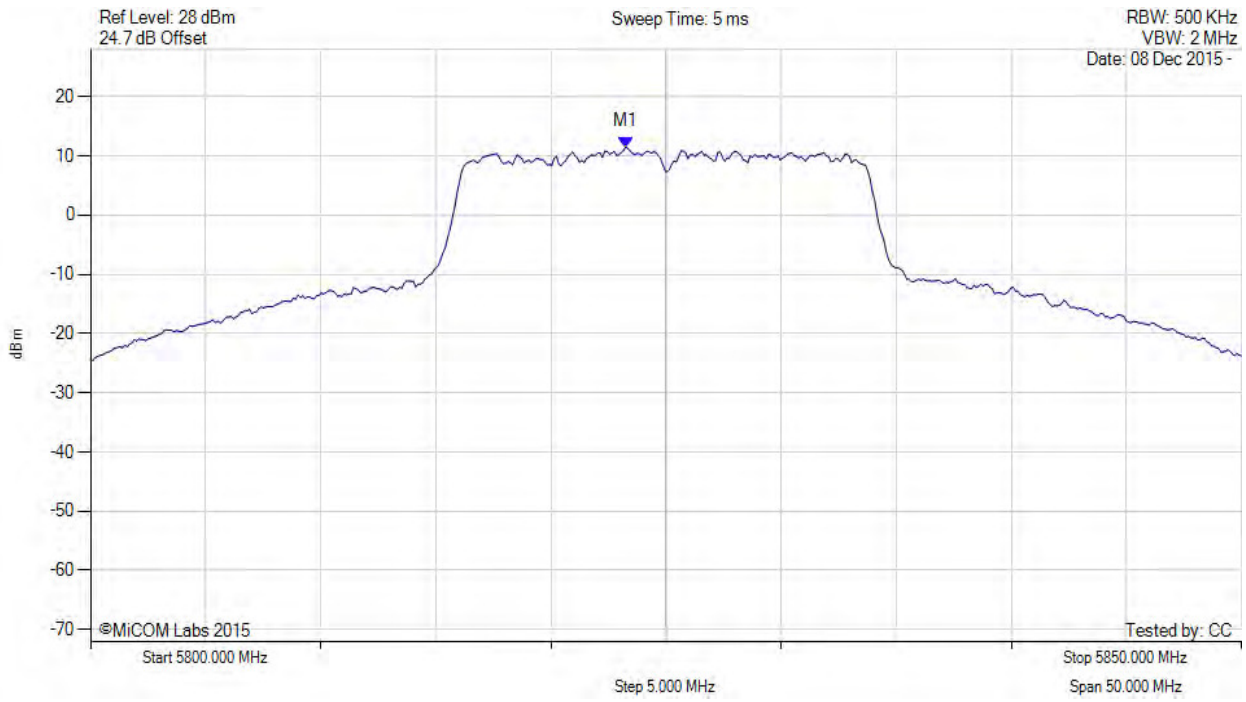
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5823.046 MHz : 7.464 dBm	Limit: ≤ 25.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-20, Channel: 5825.00 MHz, SUM, Temp: Ambient, Voltage: 48 Vdc



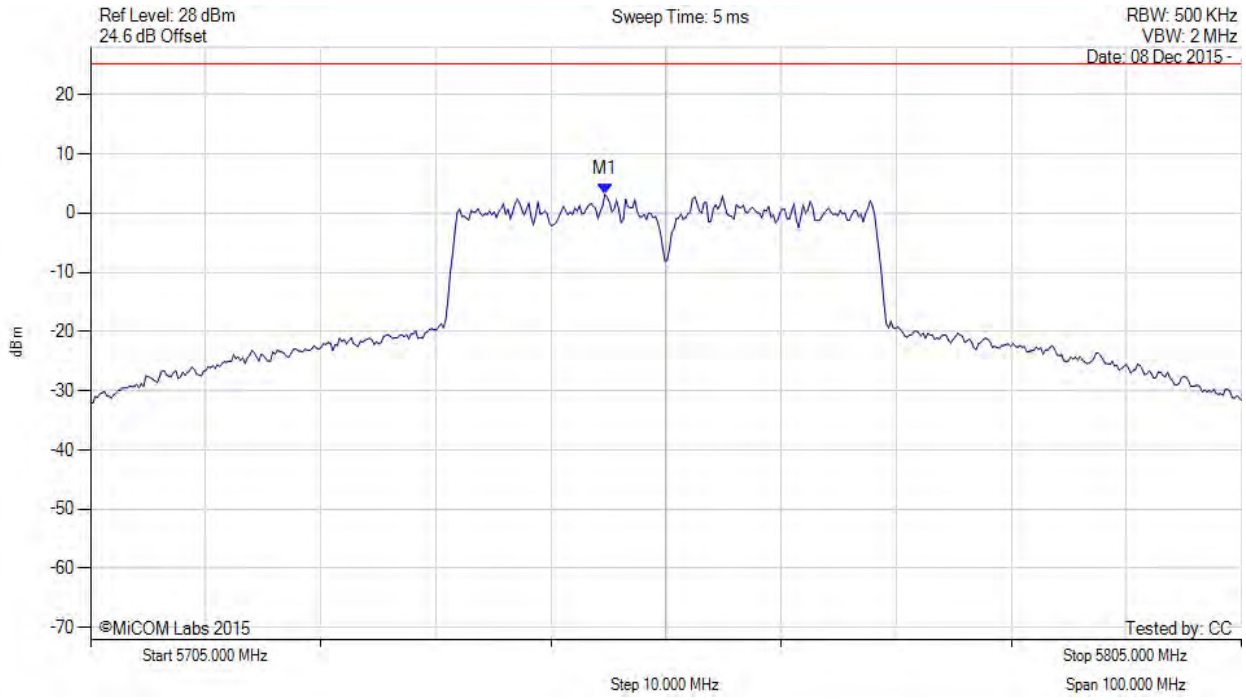
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5823.200 MHz : 11.501 dBm M1 + DCCF : 5823.200 MHz : 11.816 dBm Duty Cycle Correction Factor : +0.32 dB	Limit: ≤ 30.0 dBm Margin: -18.2 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5755.00 MHz, Chain a, Temp: Ambient, Voltage: 48 Vdc



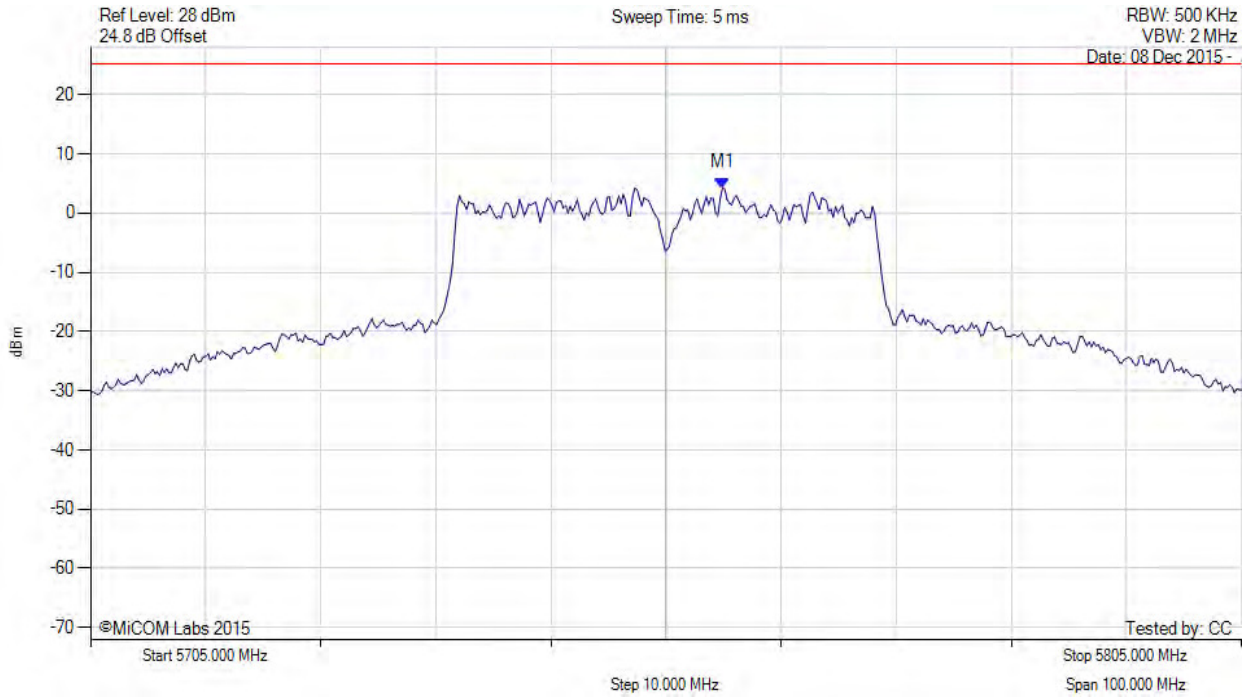
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5749.689 MHz : 3.157 dBm	Limit: ≤ 25.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5755.00 MHz, Chain b, Temp: Ambient, Voltage: 48 Vdc



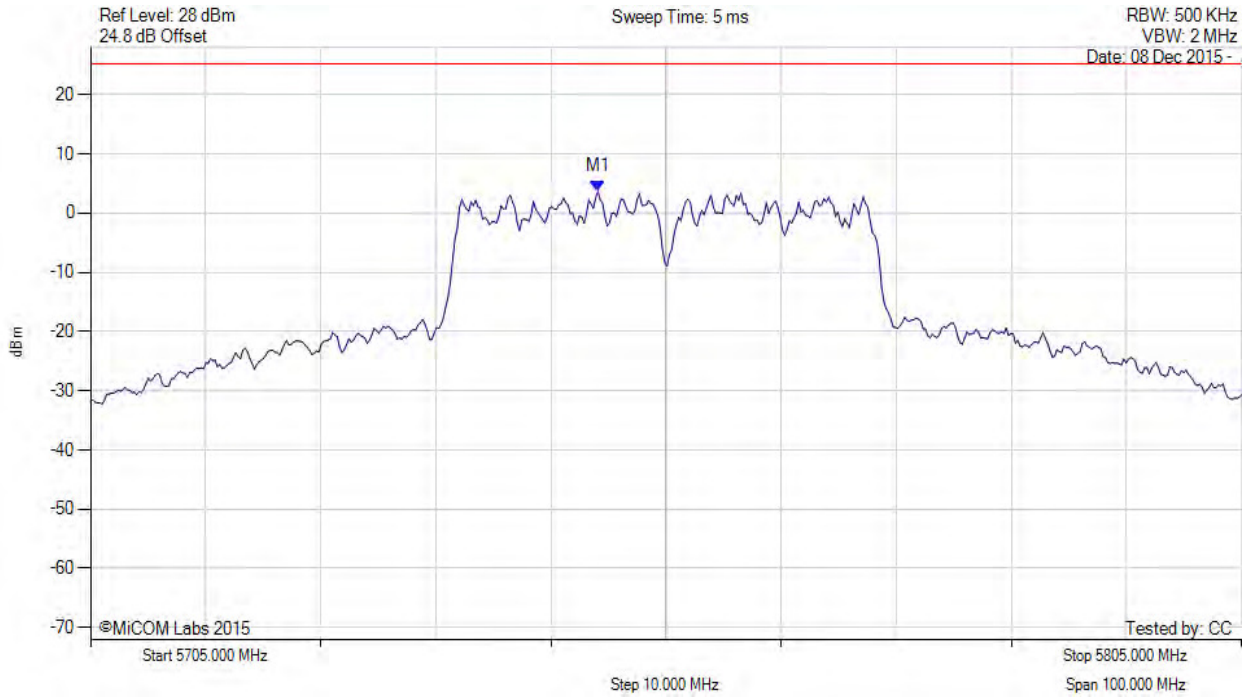
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5759.910 MHz : 4.254 dBm	Limit: ≤ 25.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5755.00 MHz, Chain c, Temp: Ambient, Voltage: 48 Vdc



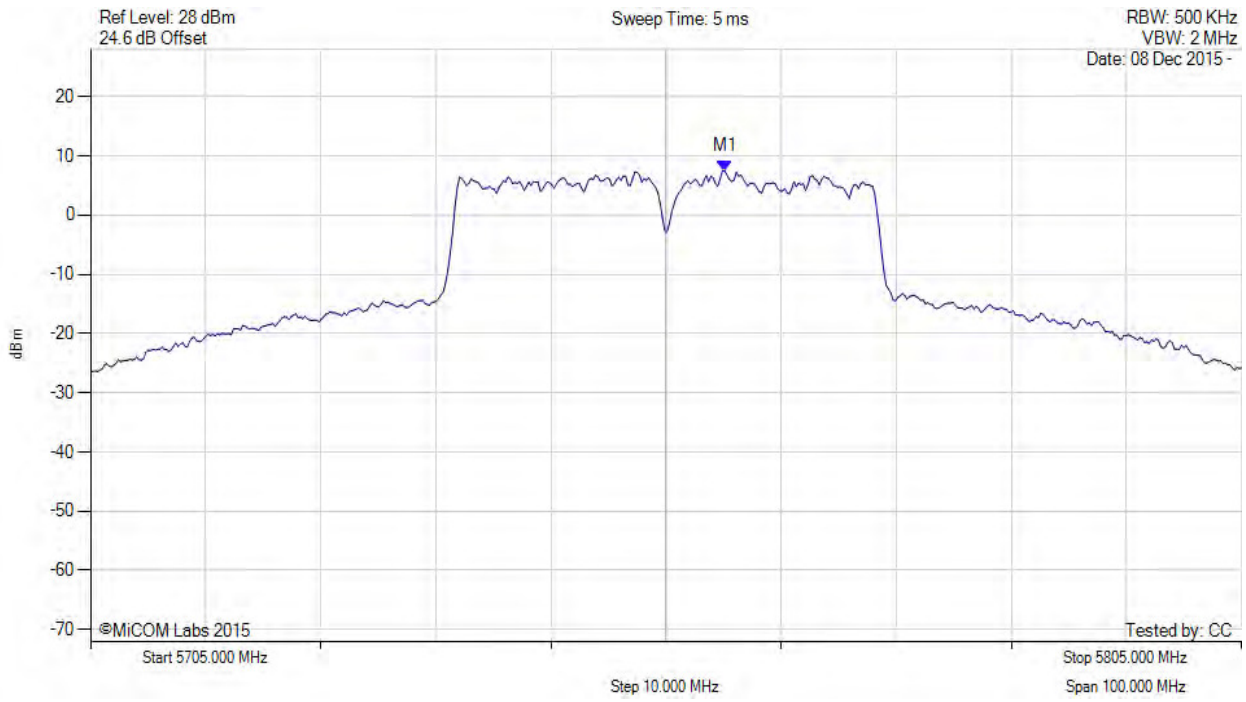
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5749.088 MHz : 3.660 dBm	Limit: ≤ 25.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5755.00 MHz, SUM, Temp: Ambient, Voltage: 48 Vdc



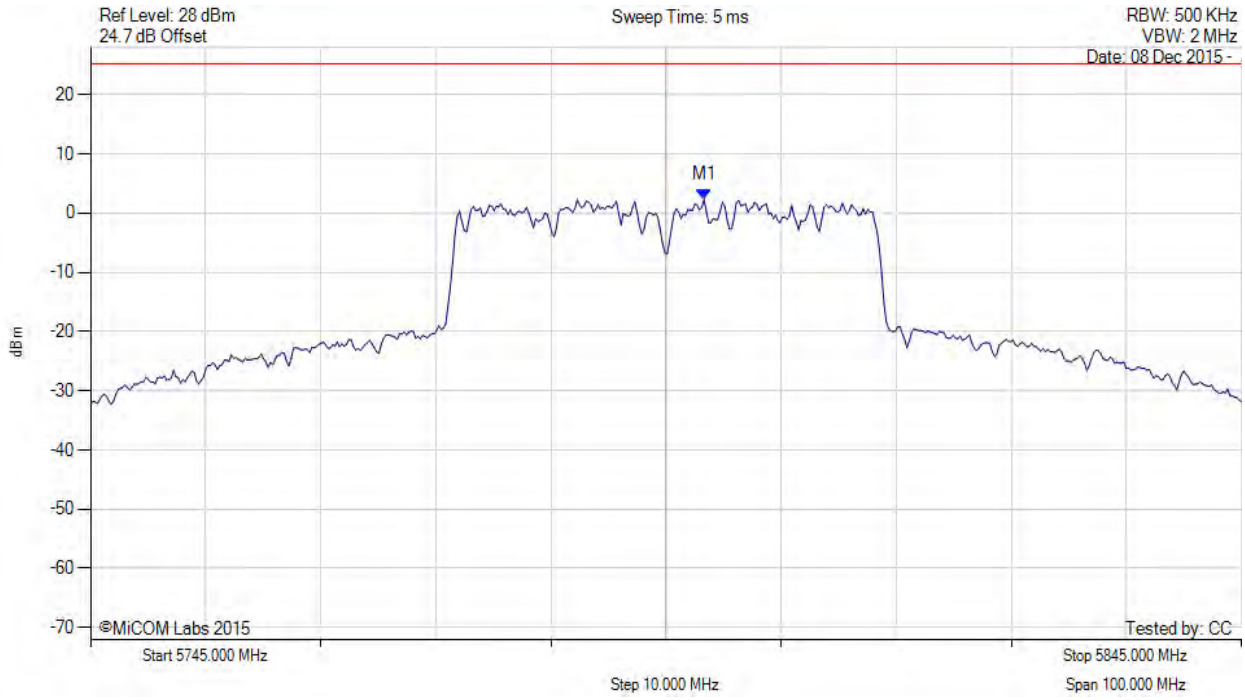
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5760.100 MHz : 7.472 dBm M1 + DCCF : 5760.100 MHz : 8.496 dBm Duty Cycle Correction Factor : +1.02 dB	Limit: ≤ 30.0 dBm Margin: -21.5 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5795.00 MHz, Chain a, Temp: Ambient, Voltage: 48 Vdc



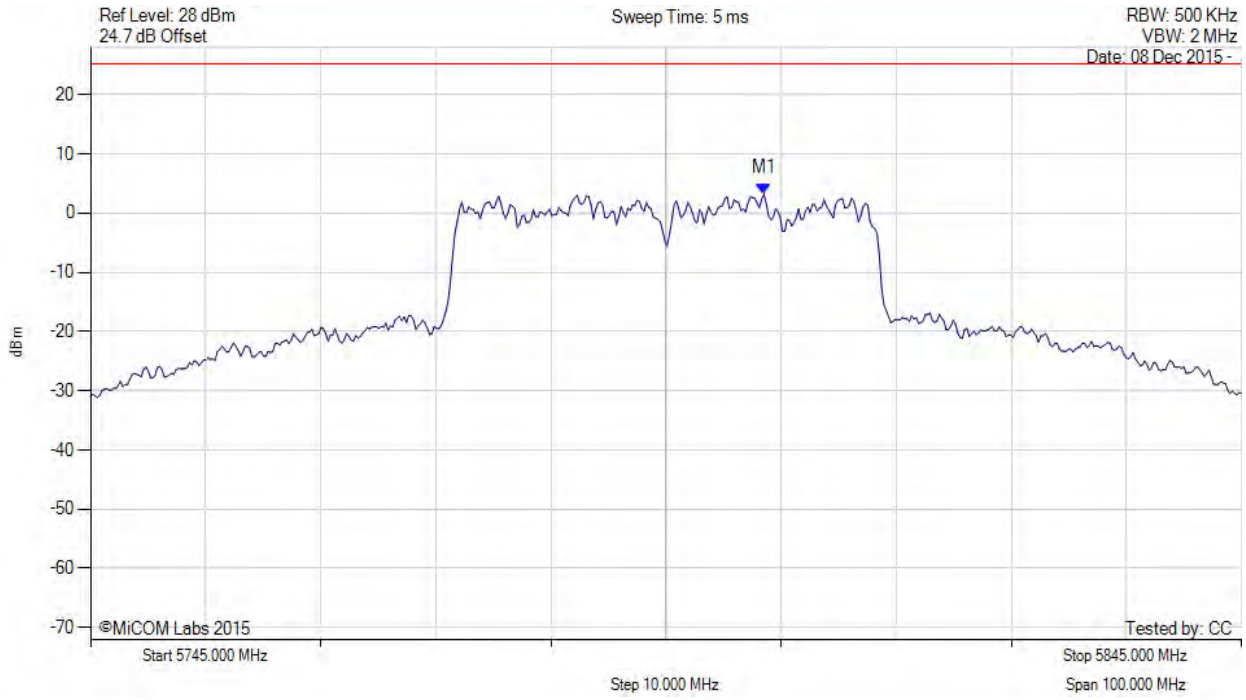
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5798.307 MHz : 2.292 dBm	Limit: ≤ 25.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5795.00 MHz, Chain b, Temp: Ambient, Voltage: 48 Vdc



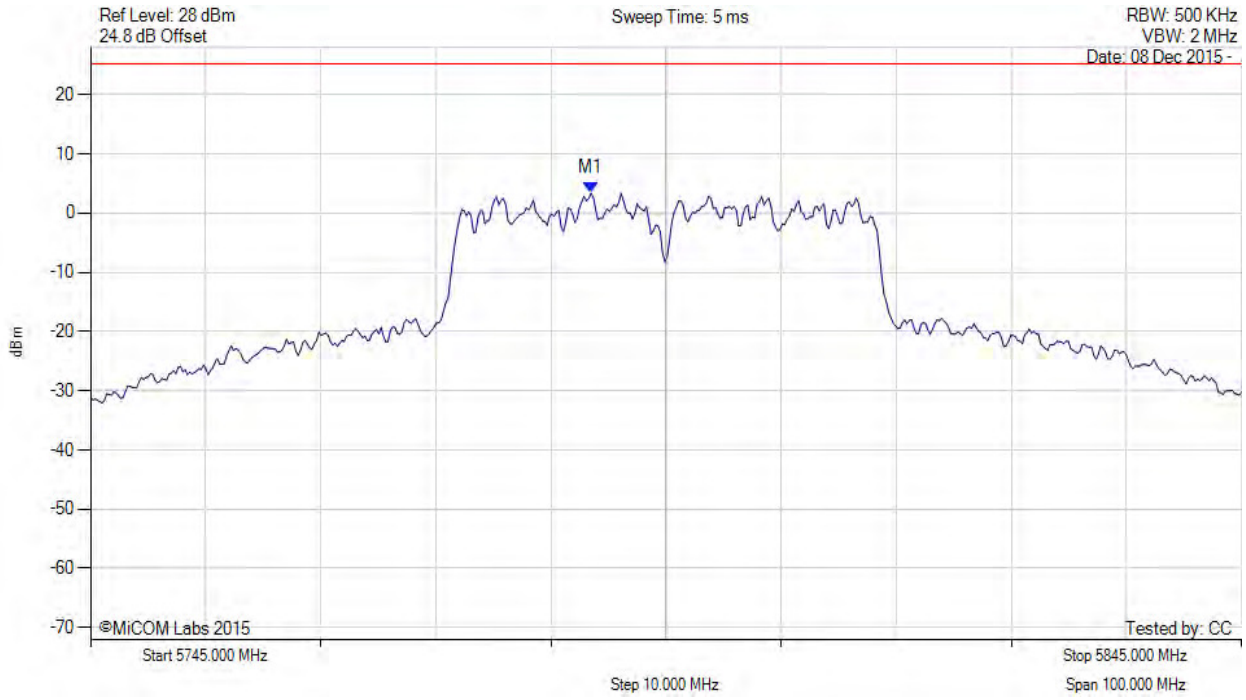
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5803.517 MHz : 3.304 dBm	Limit: ≤ 25.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5795.00 MHz, Chain c, Temp: Ambient, Voltage: 48 Vdc



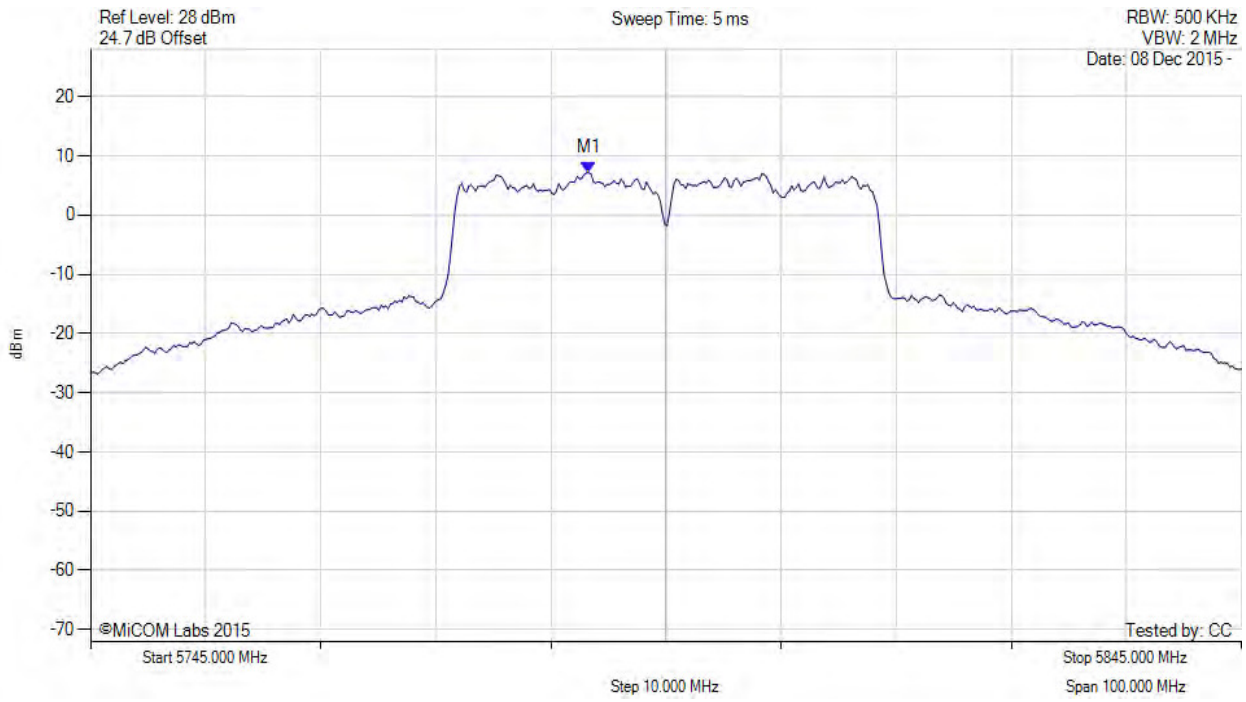
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5788.487 MHz : 3.376 dBm	Limit: ≤ 25.230 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 802.11n HT-40, Channel: 5795.00 MHz, SUM, Temp: Ambient, Voltage: 48 Vdc



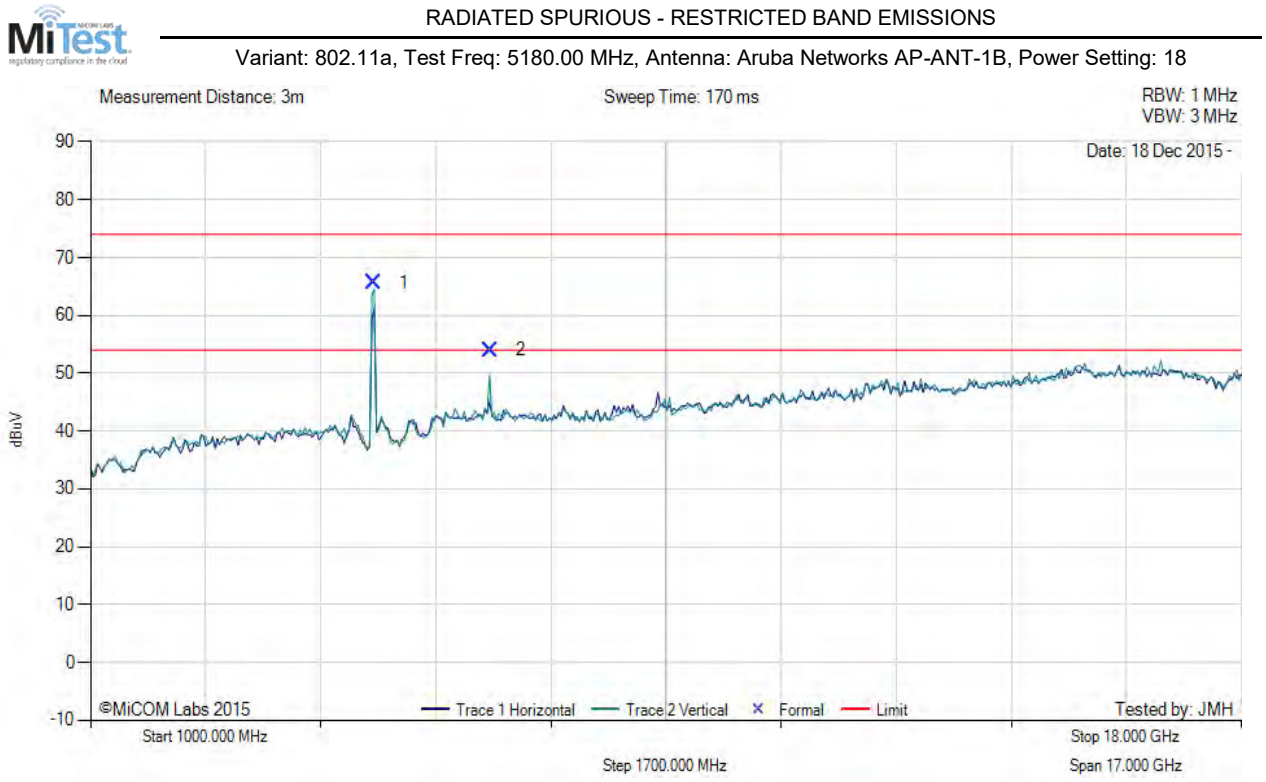
Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5788.300 MHz : 7.147 dBm M1 + DCCF : 5788.300 MHz : 8.171 dBm Duty Cycle Correction Factor : +1.02 dB	Limit: ≤ 30.0 dBm Margin: -21.8 dB

back to matrix

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A.3. Restricted Band Emissions

A.3.1 Antenna AP-ANT-1B



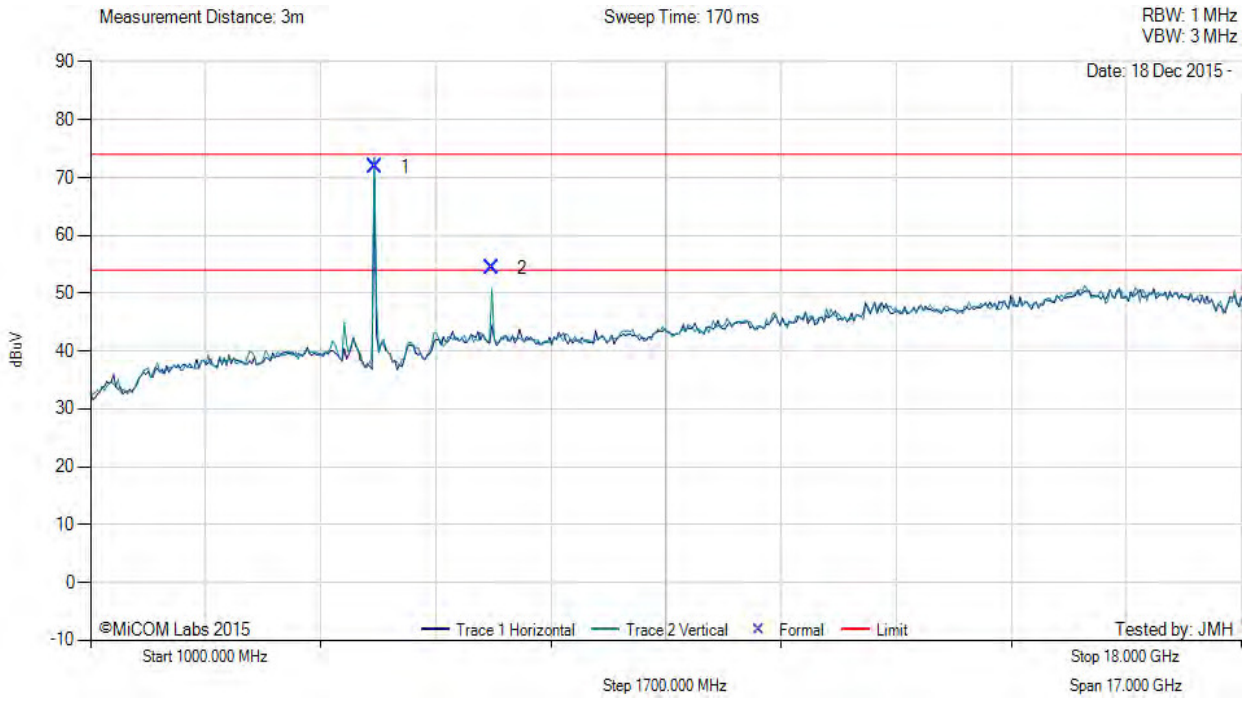
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5186.17	73.49	3.68	-11.49	65.68	Fundamental	Vertical	151	1	--	--	
2	6906.67	57.40	4.11	-7.54	53.97	Peak (NRB)	Vertical	148	1	--	--	Pass

back to matrix

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5200.00 MHz, Antenna: Aruba Networks AP-ANT-1B, Power Setting: 22



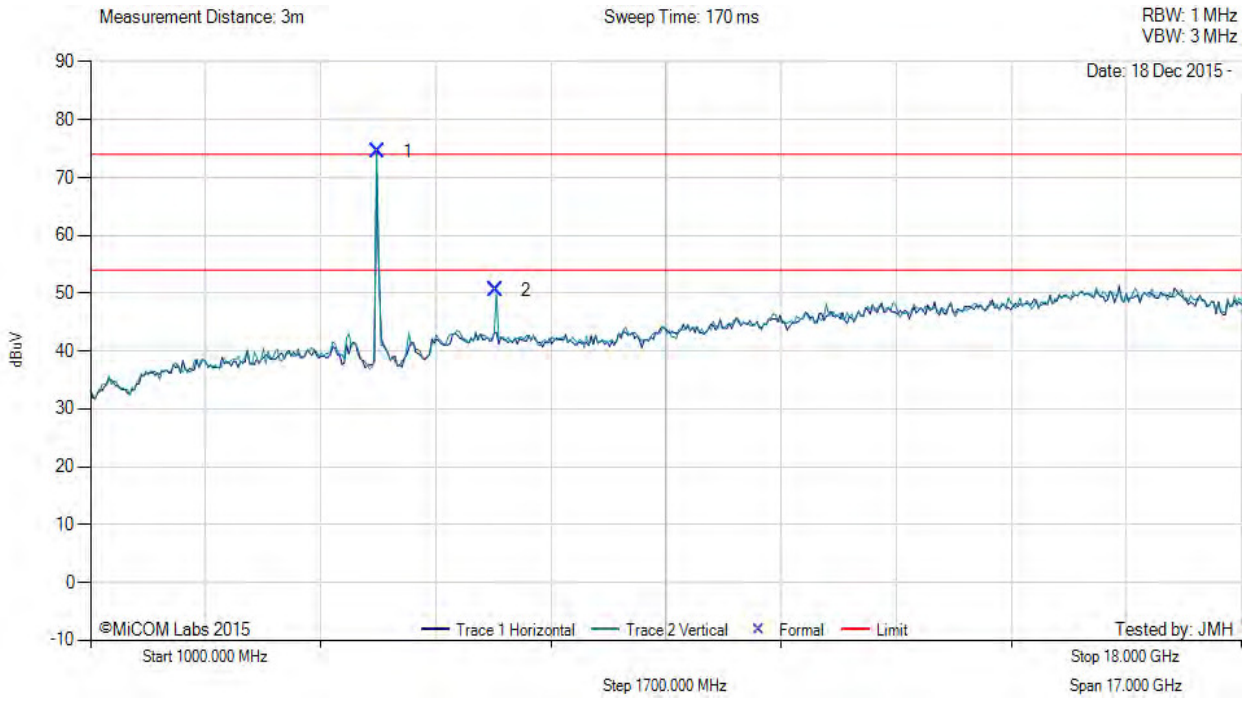
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5195.63	79.72	3.67	-11.47	71.92	Fundamental	Vertical	200	1	--	--	
2	6933.30	57.75	4.11	-7.49	54.37	Peak (NRB)	Vertical	148	1	--	--	Pass

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5240.00 MHz, Antenna: Aruba Networks AP-ANT-1B, Power Setting: 22



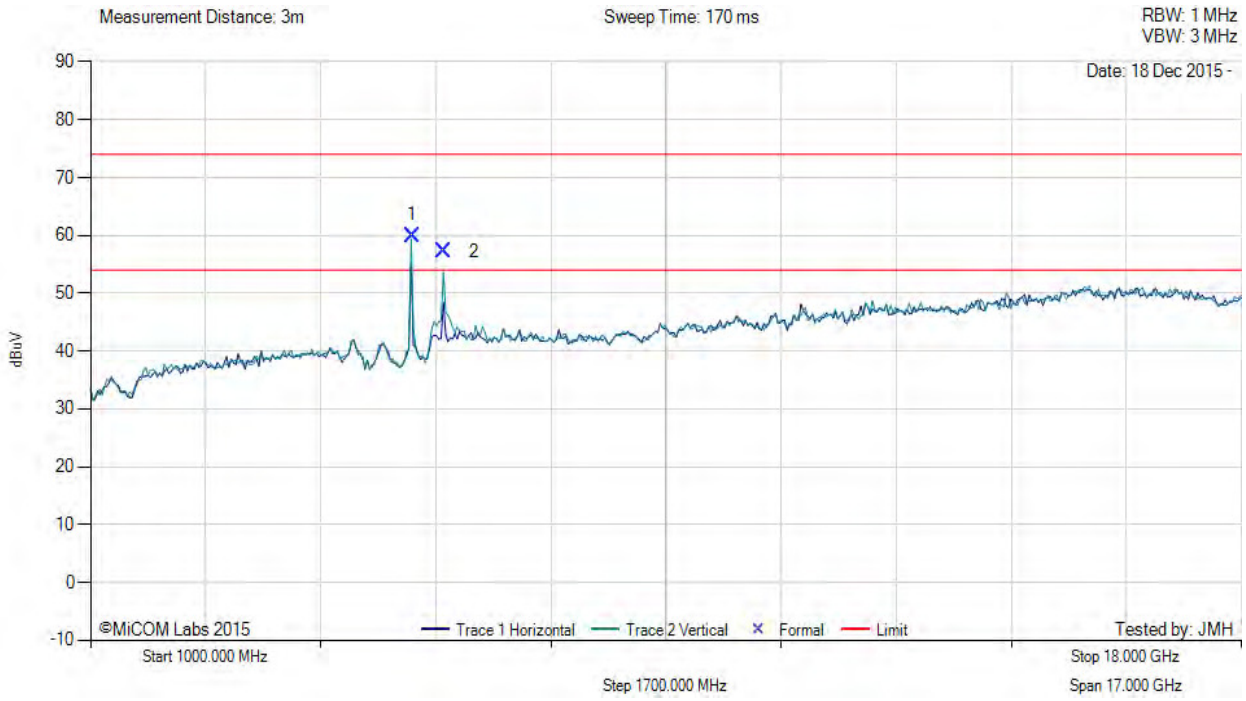
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5236.91	82.28	3.63	-11.37	74.54	Fundamental	Vertical	151	1	--	--	
2	6986.60	53.92	4.13	-7.45	50.60	Peak (NRB)	Vertical	151	1	--	--	Pass

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-1B, Power Setting: 22



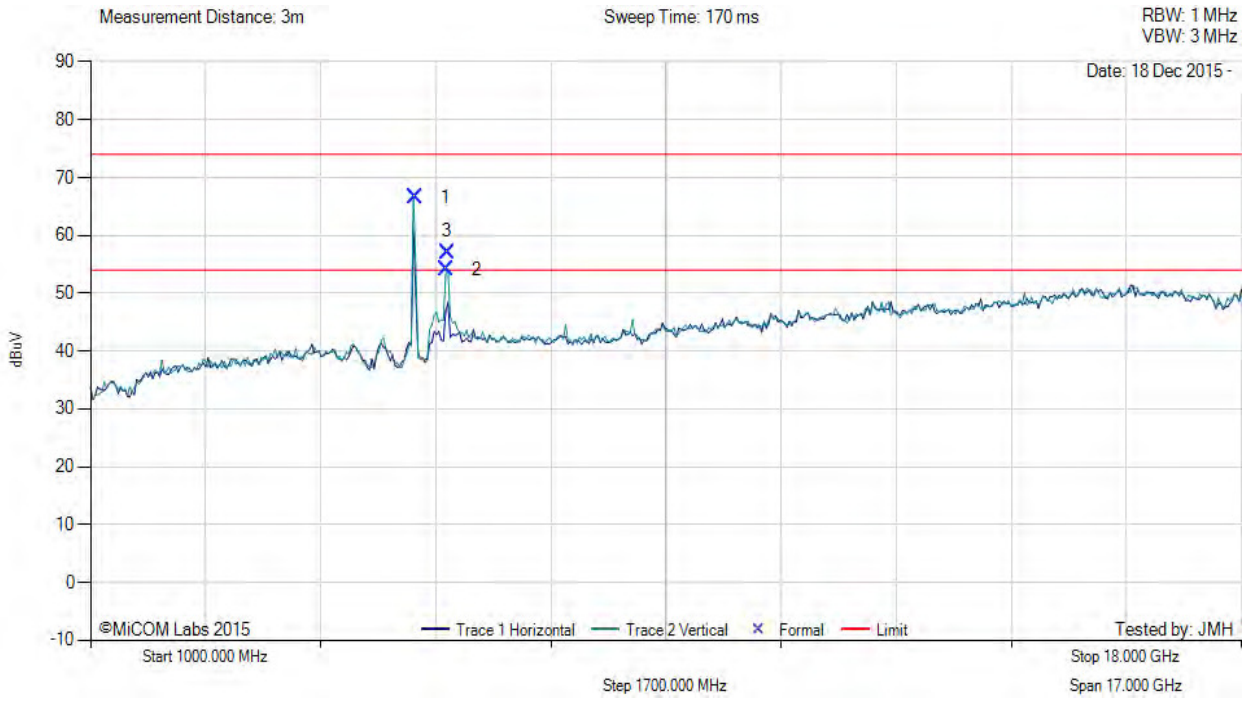
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5751.30	66.75	3.84	-10.63	59.96	Fundamental	Vertical	200	1	--	--	
2	6218.95	62.05	3.92	-8.78	57.19	Peak (NRB)	Vertical	198	1	--	--	Pass

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5785.00 MHz, Antenna: Aruba Networks AP-ANT-1B, Power Setting: 22



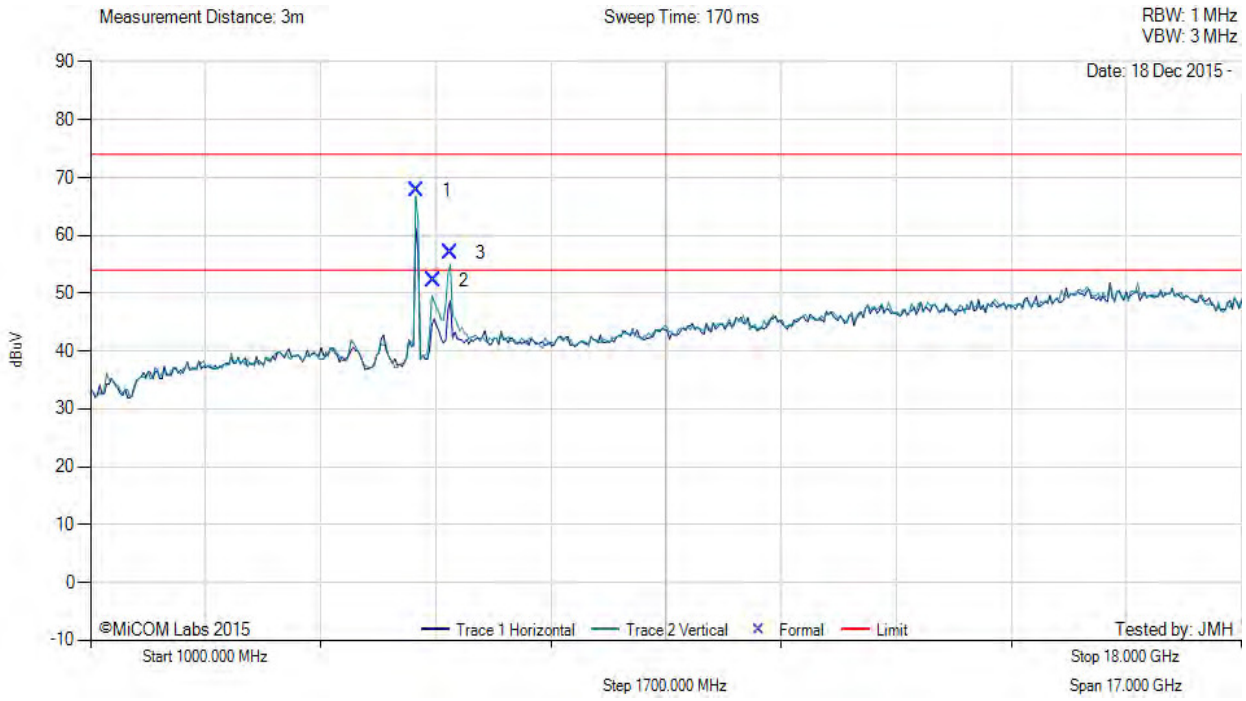
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5790.62	73.13	3.79	-10.41	66.51	Fundamental	Vertical	200	1	--	--	
2	6261.84	58.74	3.93	-8.54	54.13	Peak (NRB)	Vertical	198	1	--	--	Pass
3	6270.98	61.69	3.92	-8.51	57.10	Peak (NRB)	Vertical	198	1	--	--	Pass

back to matrix

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-1B, Power Setting: 22

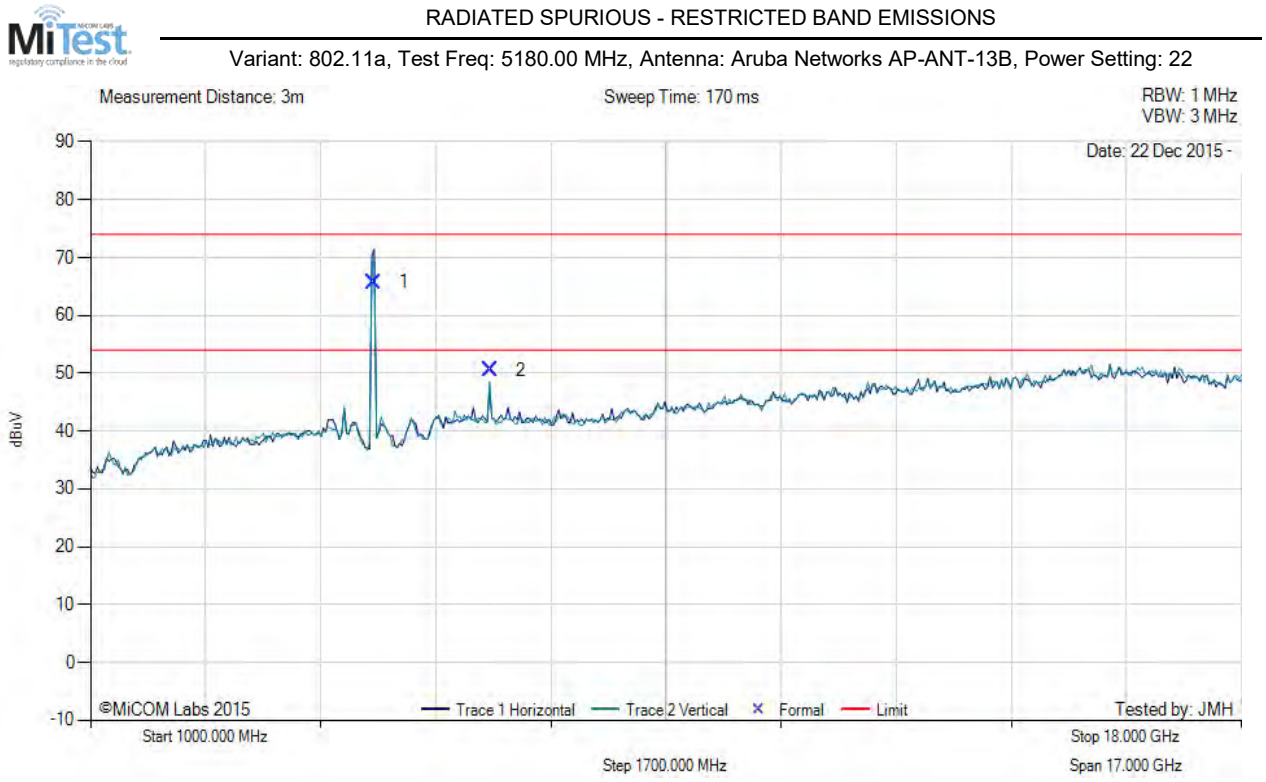


Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5820.56	74.15	3.83	-10.26	67.72	Fundamental	Vertical	151	1	--	--	
2	6067.09	57.87	3.88	-9.61	52.14	Peak (NRB)	Vertical	151	0	--	--	Pass
3	6308.98	61.47	3.92	-8.38	57.01	Peak (NRB)	Vertical	151	0	--	--	Pass

back to matrix

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A.3.2 Antenna AP-ANT-13B



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	5178.67	73.57	3.69	-11.51	65.75	Fundamental	Horizontal	151	1	--	--	
2	6906.58	53.97	4.11	-7.54	50.54	Peak (NRB)	Vertical	151	14	--	--	Pass

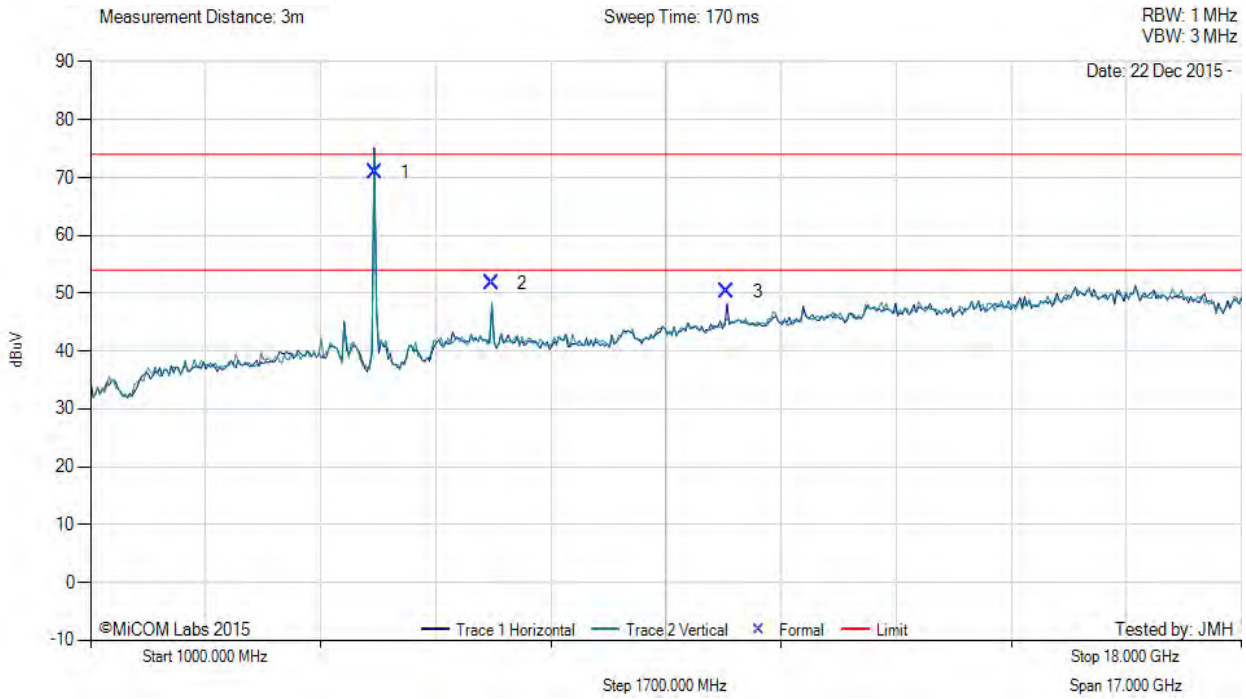
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5200.00 MHz, Antenna: Aruba Networks AP-ANT-13B, Power Setting: 22



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	5198.68	78.74	3.66	-11.47	70.93	Fundamental	Horizontal	101	1	--	--	
2	6933.35	55.17	4.11	-7.49	51.79	Peak (NRB)	Vertical	153	0	--	--	Pass
3	10402.05	49.87	5.42	-5.02	50.27	Peak (NRB)	Horizontal	153	0	--	--	Pass

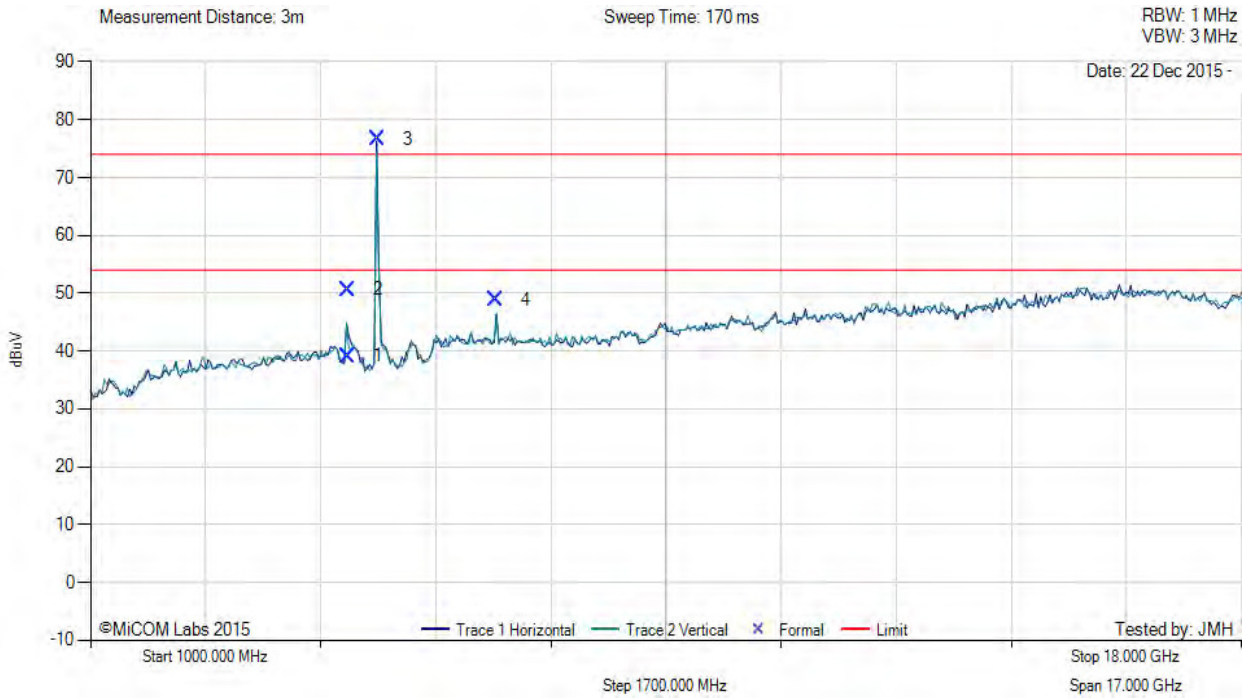
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5240.00 MHz, Antenna: Aruba Networks AP-ANT-13B, Power Setting: 22



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	4802.36	46.77	3.51	-11.12	39.16	Max Avg	Horizontal	159	21	54.0	-14.8	Pass
2	4802.36	58.26	3.51	-11.12	50.65	Max Peak	Horizontal	159	21	74.0	-23.4	Pass
3	5239.00	84.39	3.63	-11.37	76.65	Fundamental	Horizontal	151	40	--	--	
4	6986.64	52.11	4.13	-7.45	48.79	Peak (NRB)	Horizontal	151	16	--	--	Pass

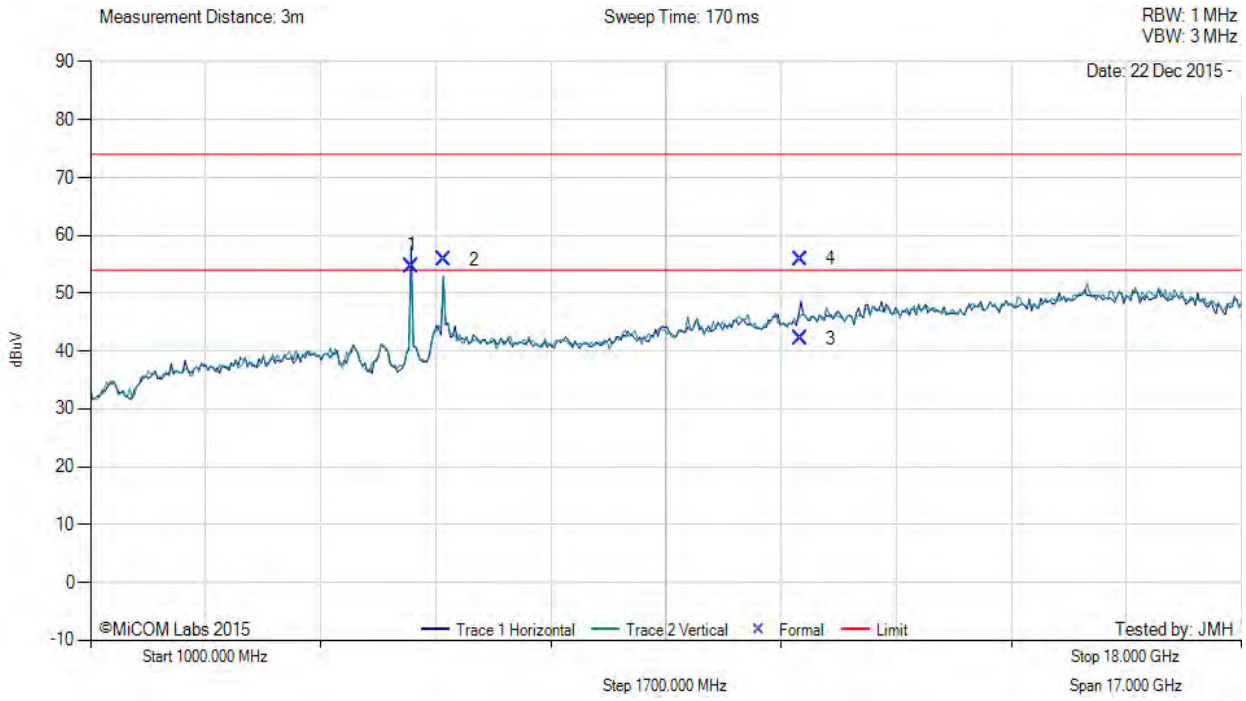
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-13B, Power Setting: 22



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	5749.30	61.48	3.85	-10.63	54.70	Fundamental	Horizontal	151	50	--	--	
2	6216.43	60.63	3.91	-8.80	55.74	Peak (NRB)	Vertical	151	0	--	--	Pass
3	11489.54	41.55	5.45	-4.84	42.16	Max Avg	Horizontal	107	321	54.0	-11.8	Pass
4	11489.54	55.31	5.45	-4.84	55.92	Max Peak	Horizontal	107	321	74.0	-18.1	Pass

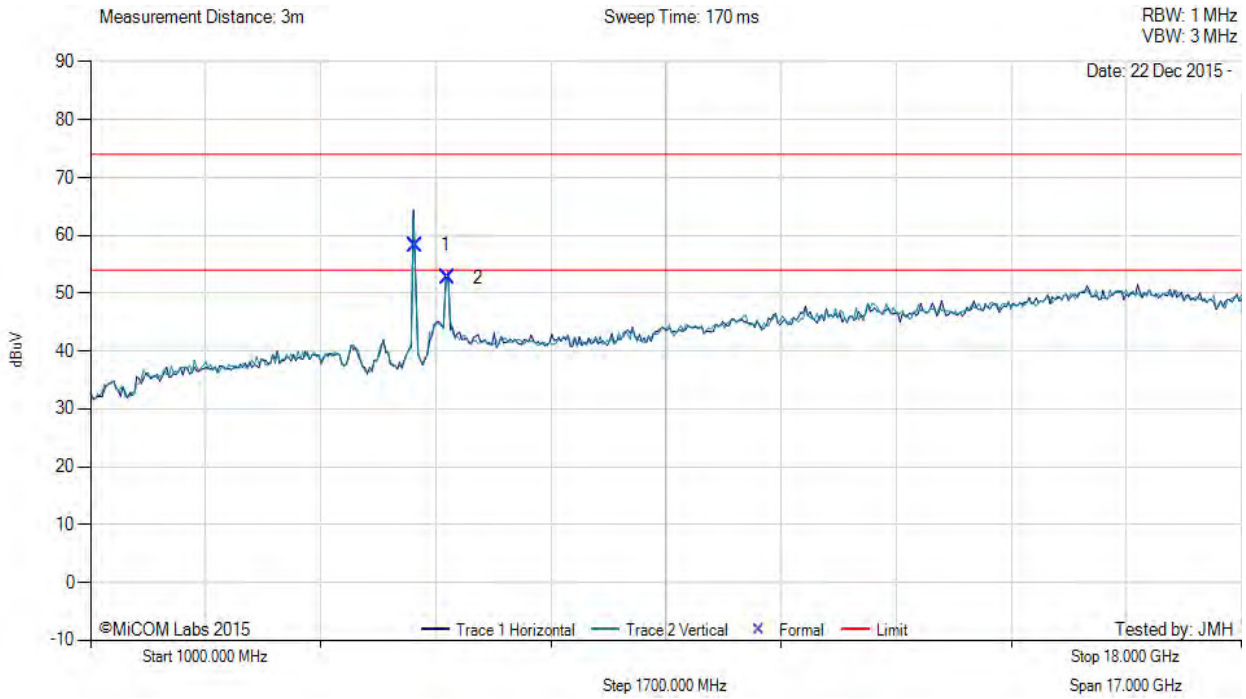
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5785.00 MHz, Antenna: Aruba Networks AP-ANT-13B, Power Setting: 22



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	5792.15	64.91	3.78	-10.40	58.29	Fundamental	Horizontal	151	1	--	--	
2	6270.98	57.22	3.92	-8.51	52.63	Peak (NRB)	Horizontal	151	1	--	--	Pass

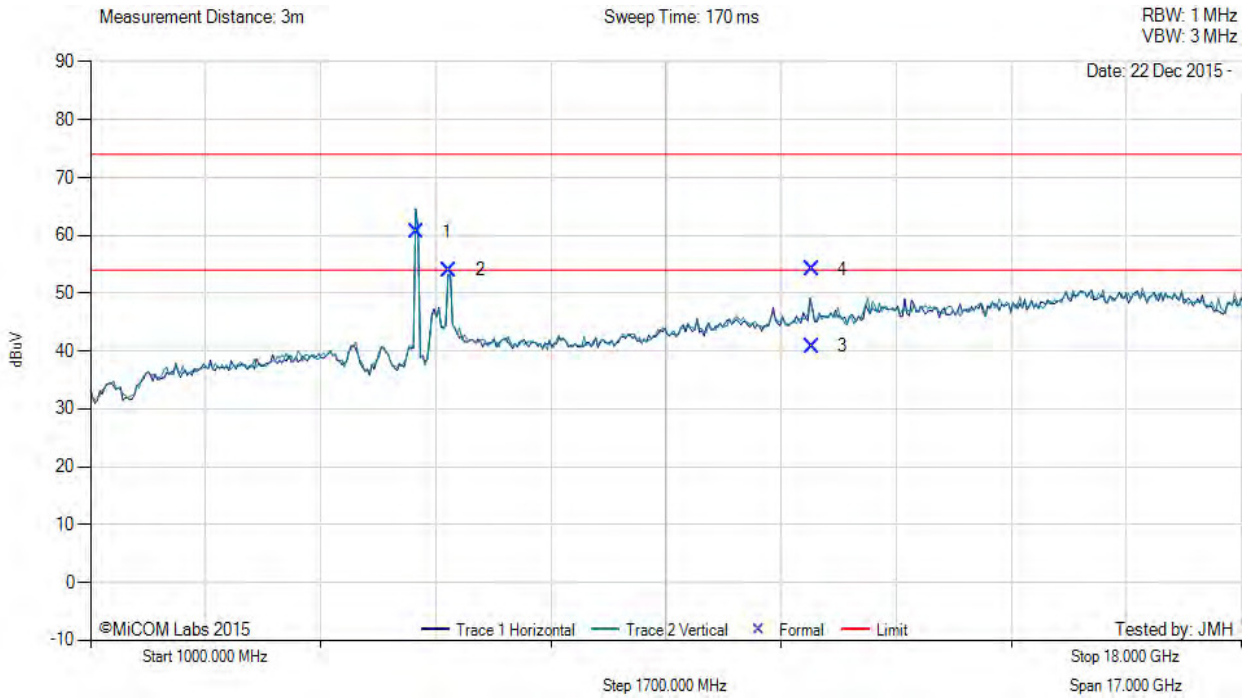
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-13B, Power Setting: 22



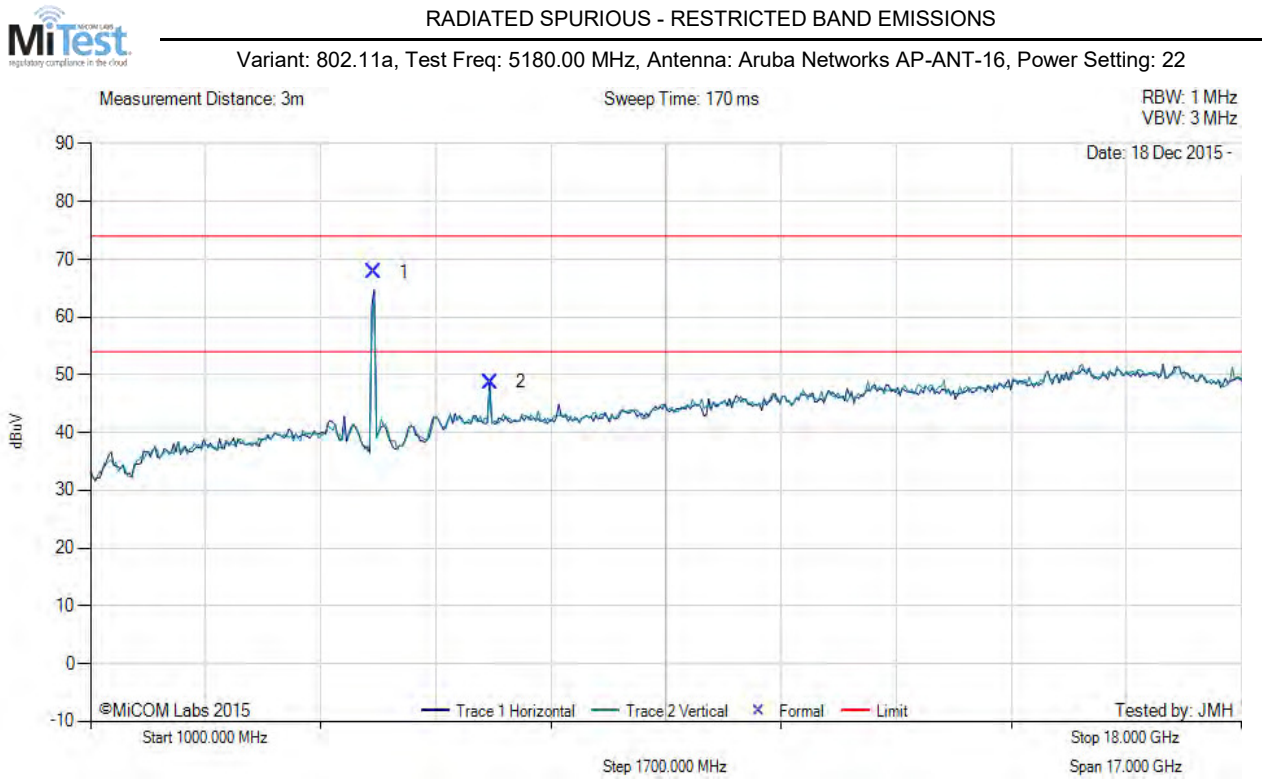
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5818.04	67.05	3.82	-10.28	60.59	Fundamental	Horizontal	101	1	--	--	
2	6304.57	58.49	3.94	-8.40	54.03	Peak (NRB)	Vertical	200	1	--	--	Pass
3	11650.18	39.87	5.44	-4.47	40.84	Max Avg	Horizontal	198	47	54.0	-13.2	Pass
4	11650.18	53.18	5.44	-4.47	54.15	Max Peak	Horizontal	198	47	74.0	-19.9	Pass

Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

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A.3.3 Antenna AP-ANT-16



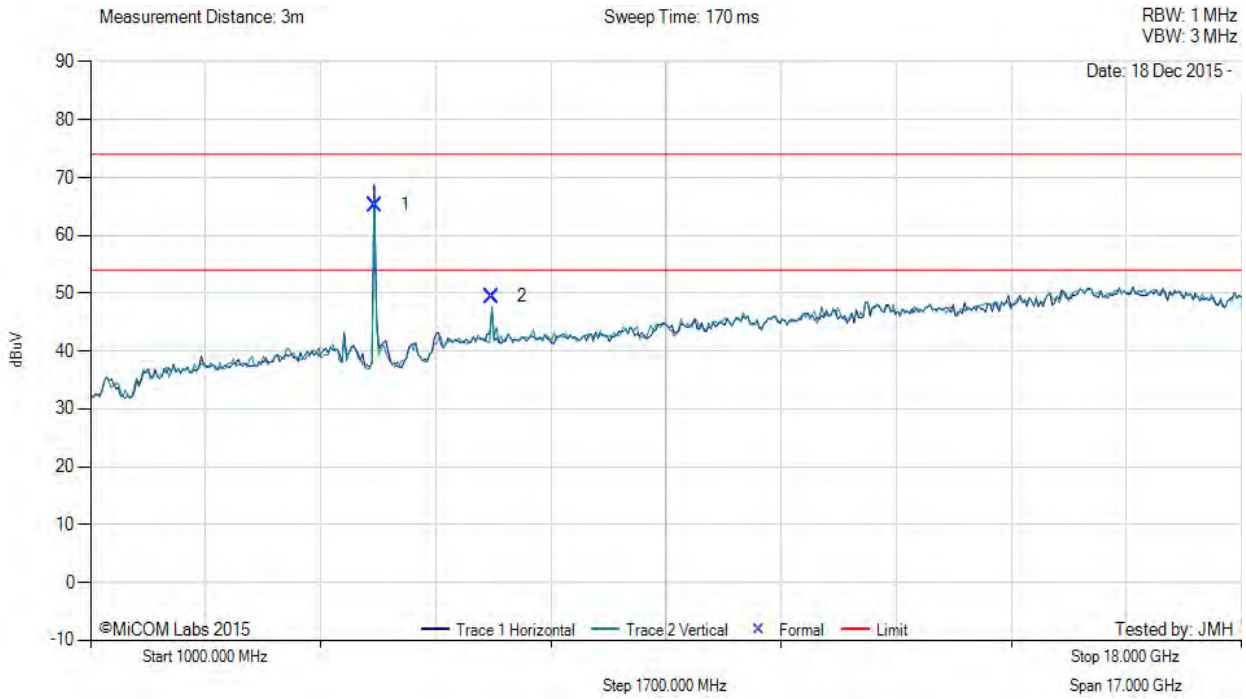
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5184.25	75.52	3.68	-11.49	67.71	Fundamental	Horizontal	153	360	--	--	
2	6906.59	52.12	4.11	-7.54	48.69	Peak (NRB)	Horizontal	146	360	--	--	Pass

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5200.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 22



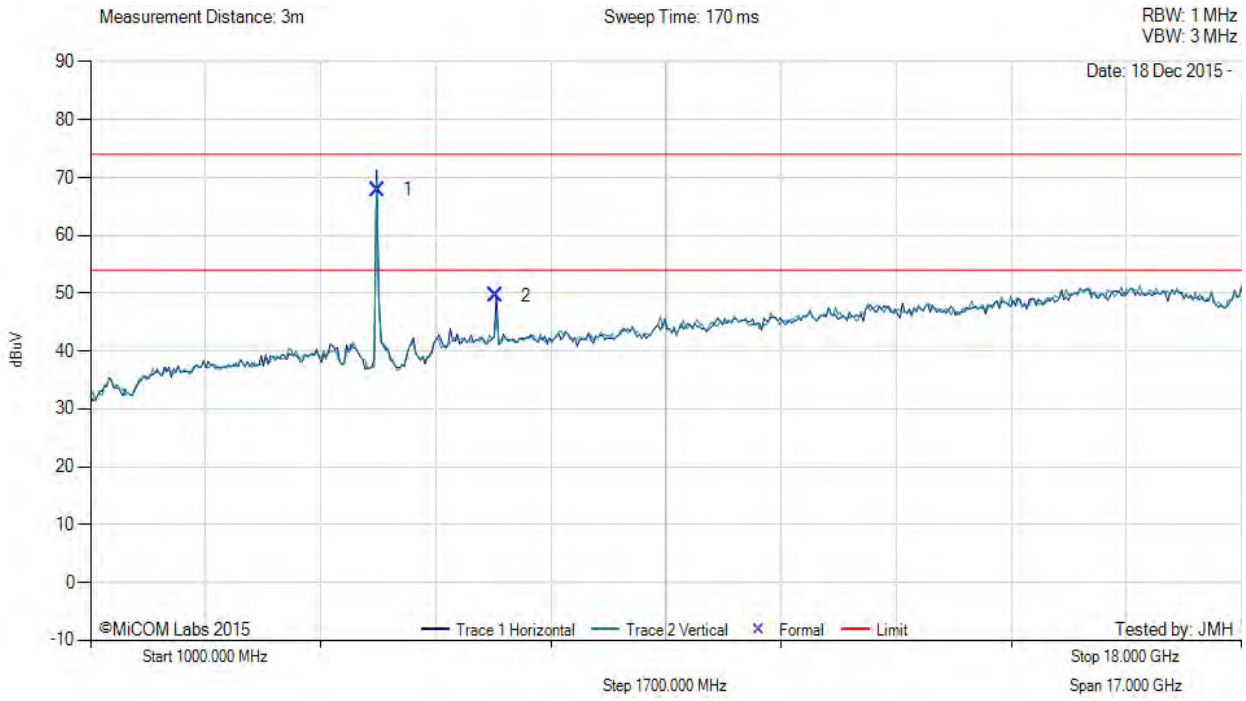
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5196.27	73.03	3.67	-11.47	65.23	Fundamental	Horizontal	100	1	--	--	
2	6933.32	52.81	4.11	-7.49	49.43	Peak (NRB)	Vertical	151	0	--	--	Pass

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5240.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 22



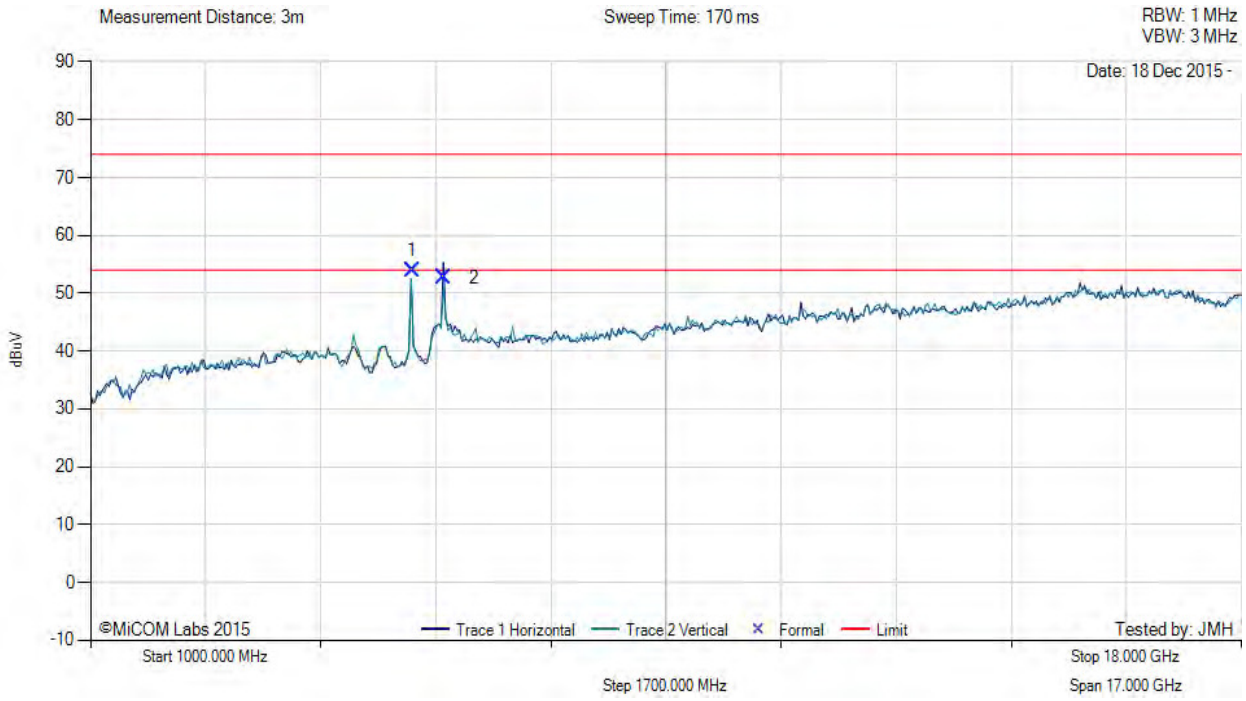
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5236.83	75.60	3.63	-11.37	67.86	Fundamental	Horizontal	101	0	--	--	
2	6986.57	52.83	4.13	-7.45	49.51	Peak (NRB)	Horizontal	142	125	--	--	Pass

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 22



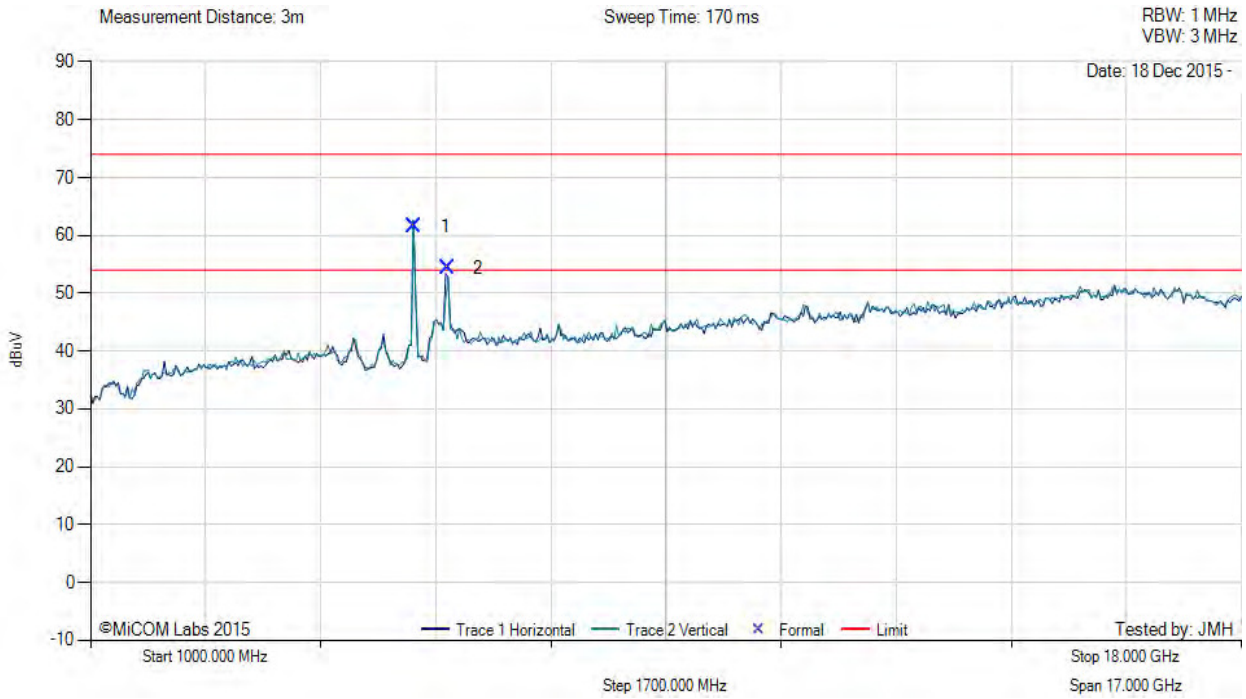
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5752.34	60.61	3.84	-10.62	53.83	Fundamental	Horizontal	151	59	--	--	
2	6222.40	57.53	3.92	-8.76	52.69	Peak (NRB)	Horizontal	151	59	--	--	Pass

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5785.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 22



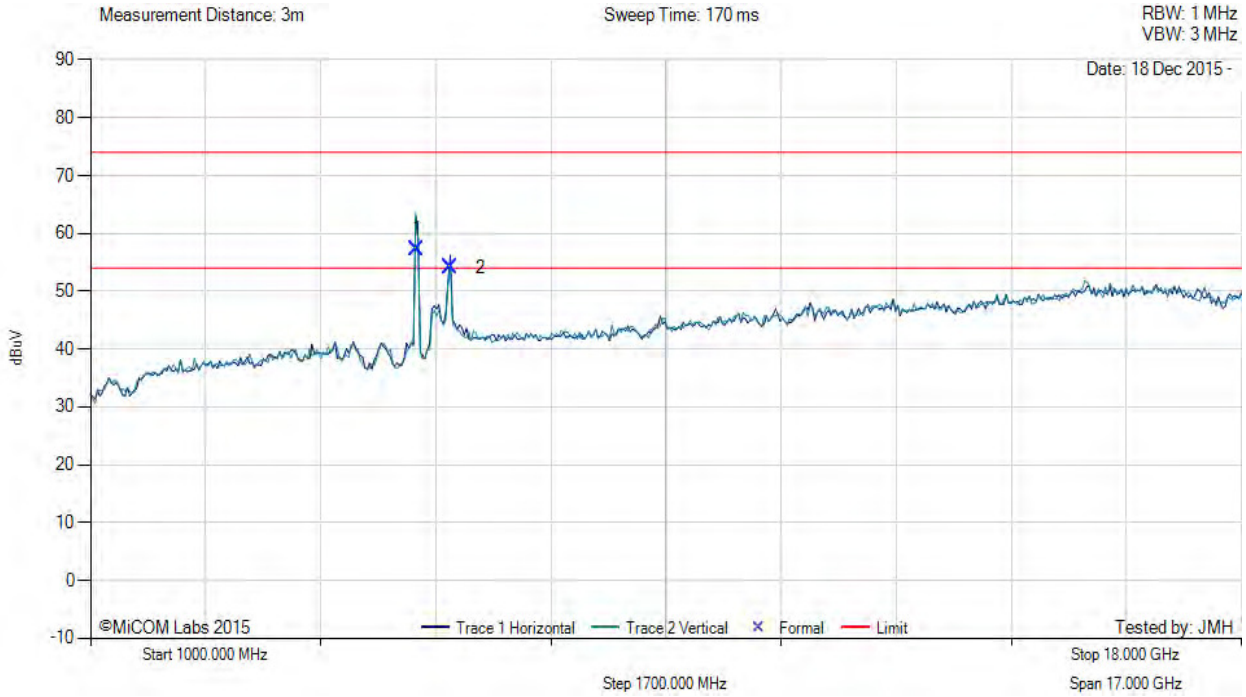
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5787.70	68.24	3.79	-10.43	61.60	Fundamental	Horizontal	101	13	--	--	
2	6269.58	58.94	3.93	-8.51	54.36	Peak (NRB)	Horizontal	101	13	--	--	Pass

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 22

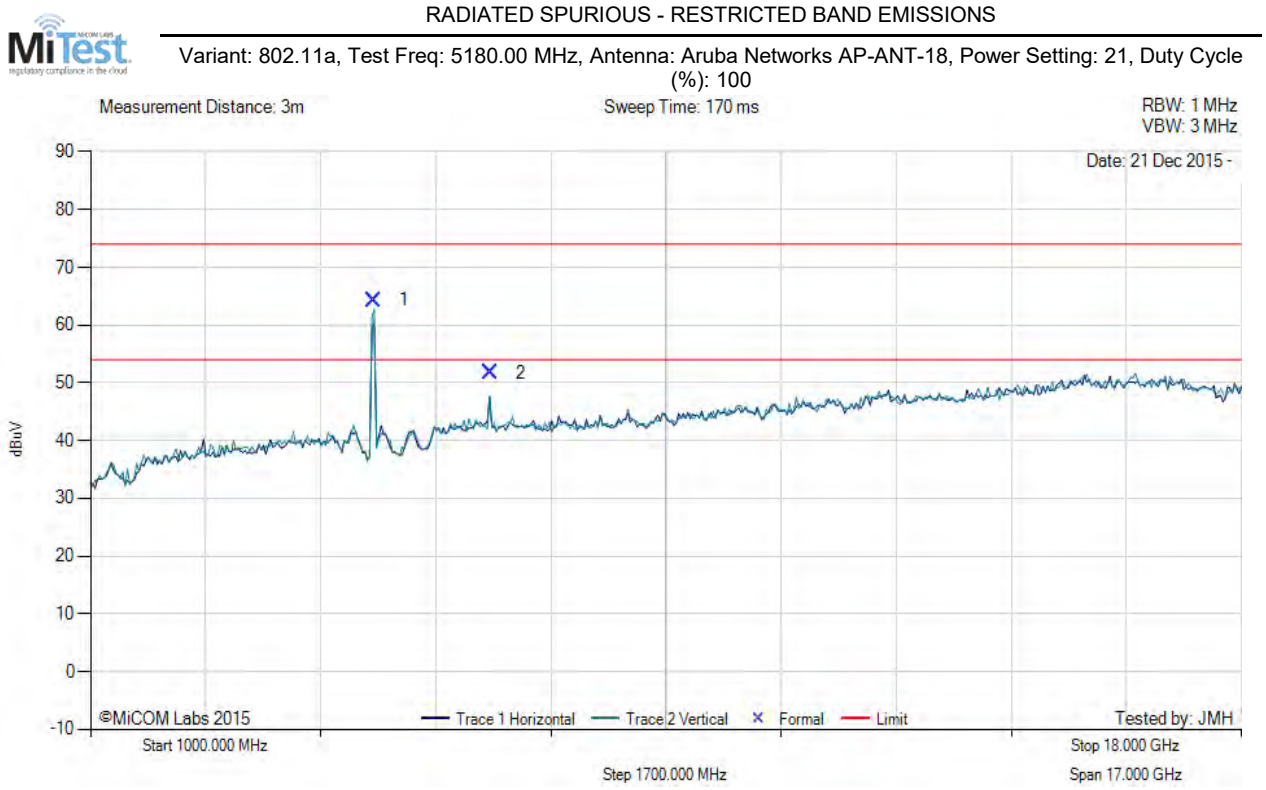


Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5820.00	63.74	3.83	-10.26	57.31	Fundamental	Horizontal	200	1	--	--	
2	6305.85	58.53	3.93	-8.39	54.07	Peak (NRB)	Horizontal	200	36	--	--	Pass

back to matrix

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A.3.4 Antenna AP-ANT-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	5187.13	72.08	3.68	-11.49	64.27	Fundamental	Vertical	151	0	--	--	
2	6906.67	55.12	4.11	-7.54	51.69	Peak (NRB)	Vertical	151	0	--	--	Pass

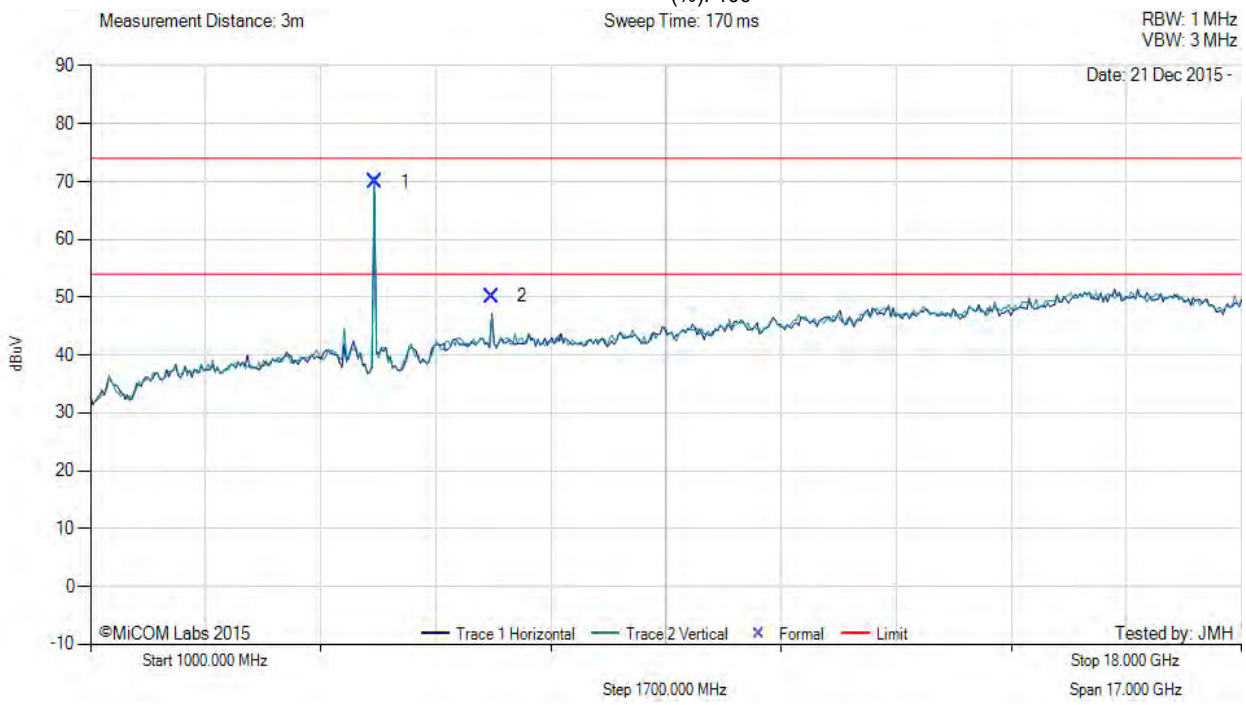
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5200.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 21, Duty Cycle (%): 100



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	5197.39	77.70	3.66	-11.47	69.89	Fundamental	Vertical	151	0	--	--	
2	6933.33	53.54	4.11	-7.49	50.16	Peak (NRB)	Horizontal	151	60	--	--	Pass

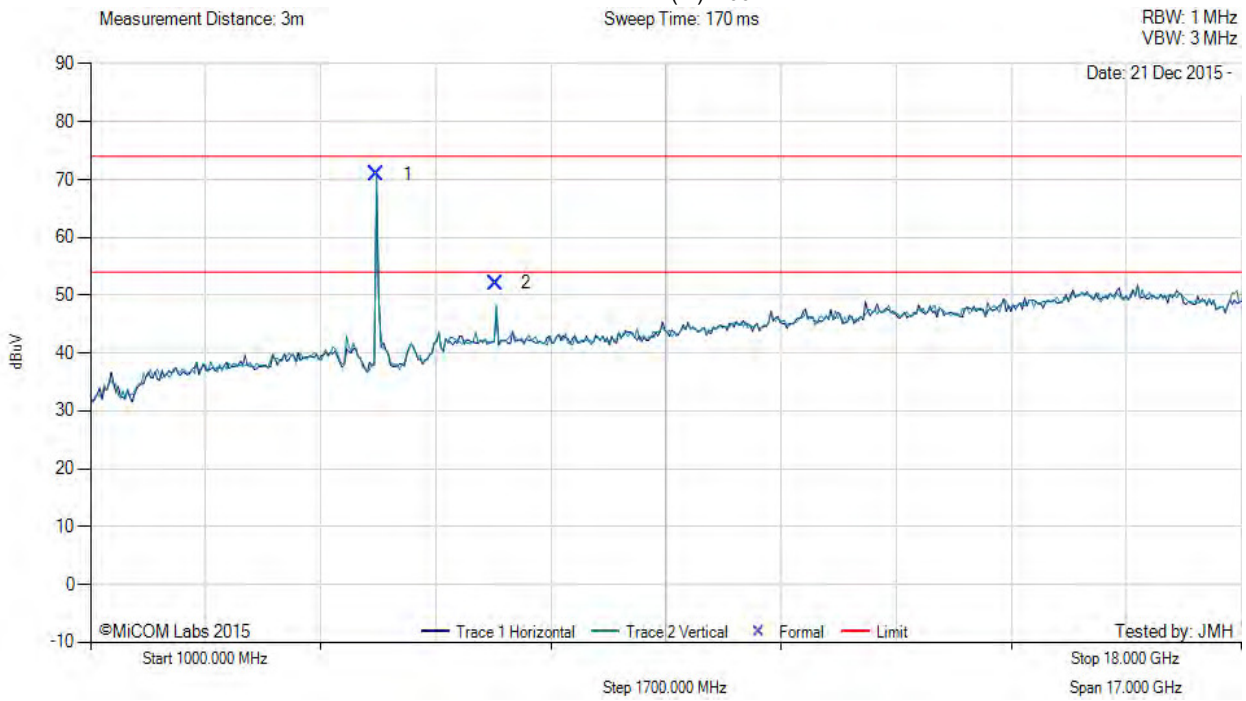
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5240.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 21, Duty Cycle (%): 100



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	5232.59	78.63	3.63	-11.39	70.87	Fundamental	Vertical	200	1	--	--	
2	6986.56	55.38	4.13	-7.45	52.06	Peak (NRB)	Vertical	200	0	--	--	Pass

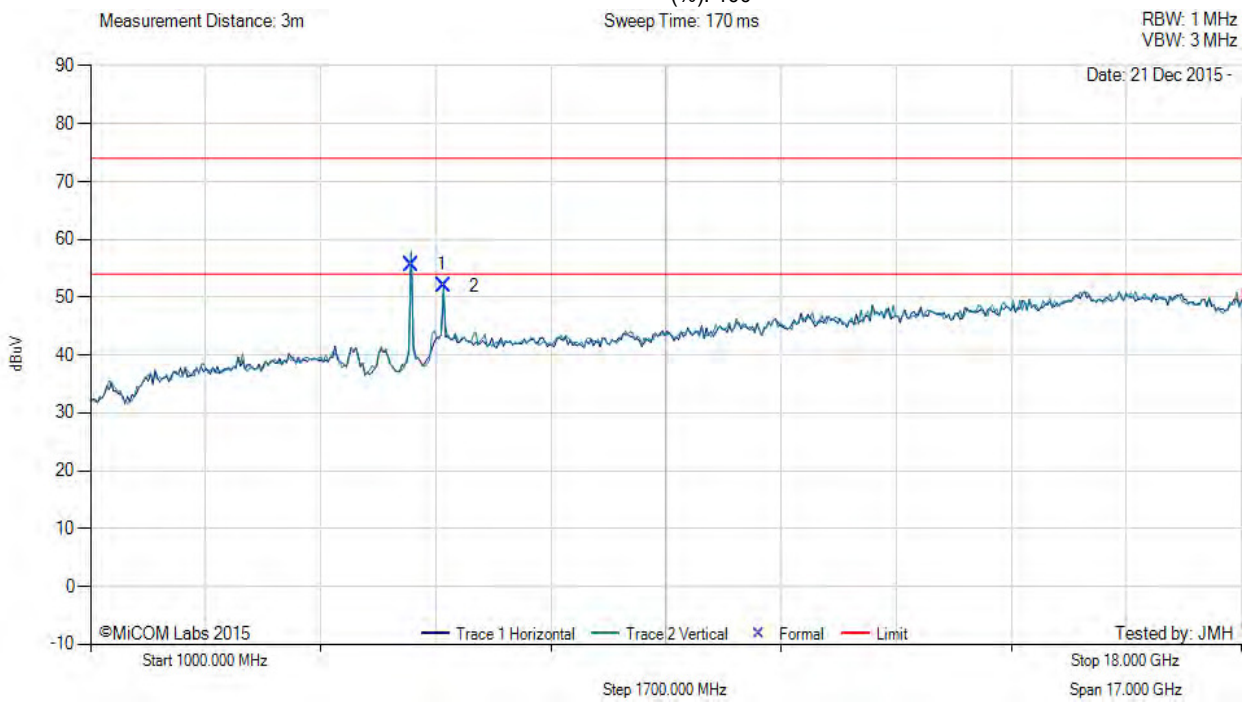
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 22, Duty Cycle (%): 100



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	5737.91	62.56	3.82	-10.67	55.71	Fundamental	Vertical	100	19	--	--	
2	6217.27	56.90	3.91	-8.80	52.01	Peak (NRB)	Vertical	151	9	--	--	Pass

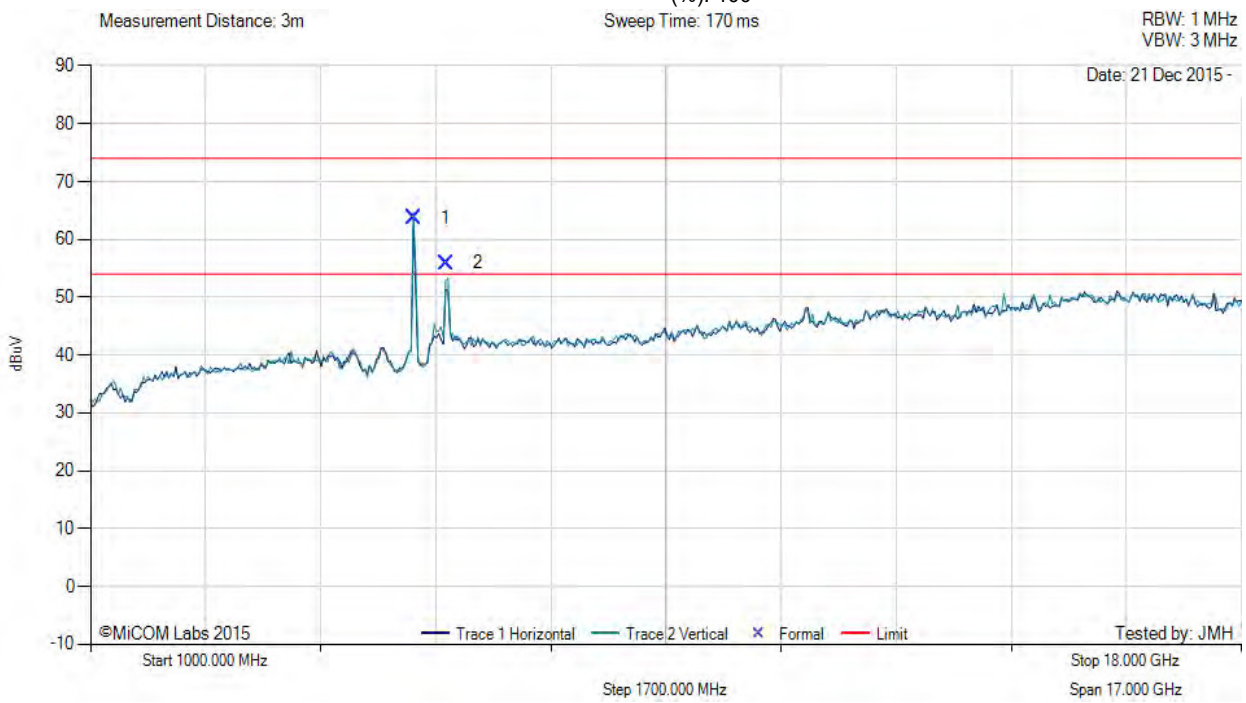
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5785.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 22, Duty Cycle (%): 100



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	5786.25	70.30	3.79	-10.44	63.65	Fundamental	Vertical	151	1	--	--	
2	6267.05	60.50	3.93	-8.52	55.91	Peak (NRB)	Vertical	151	1	--	--	Pass

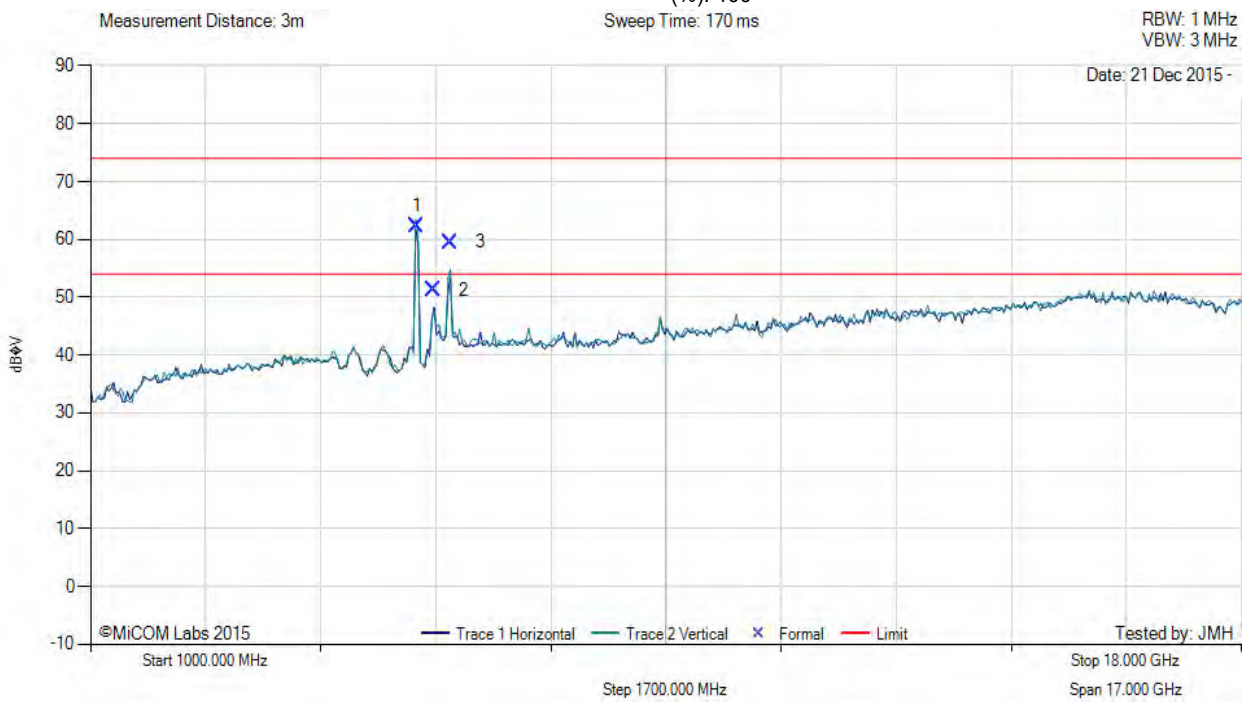
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 22, Duty Cycle (%): 100



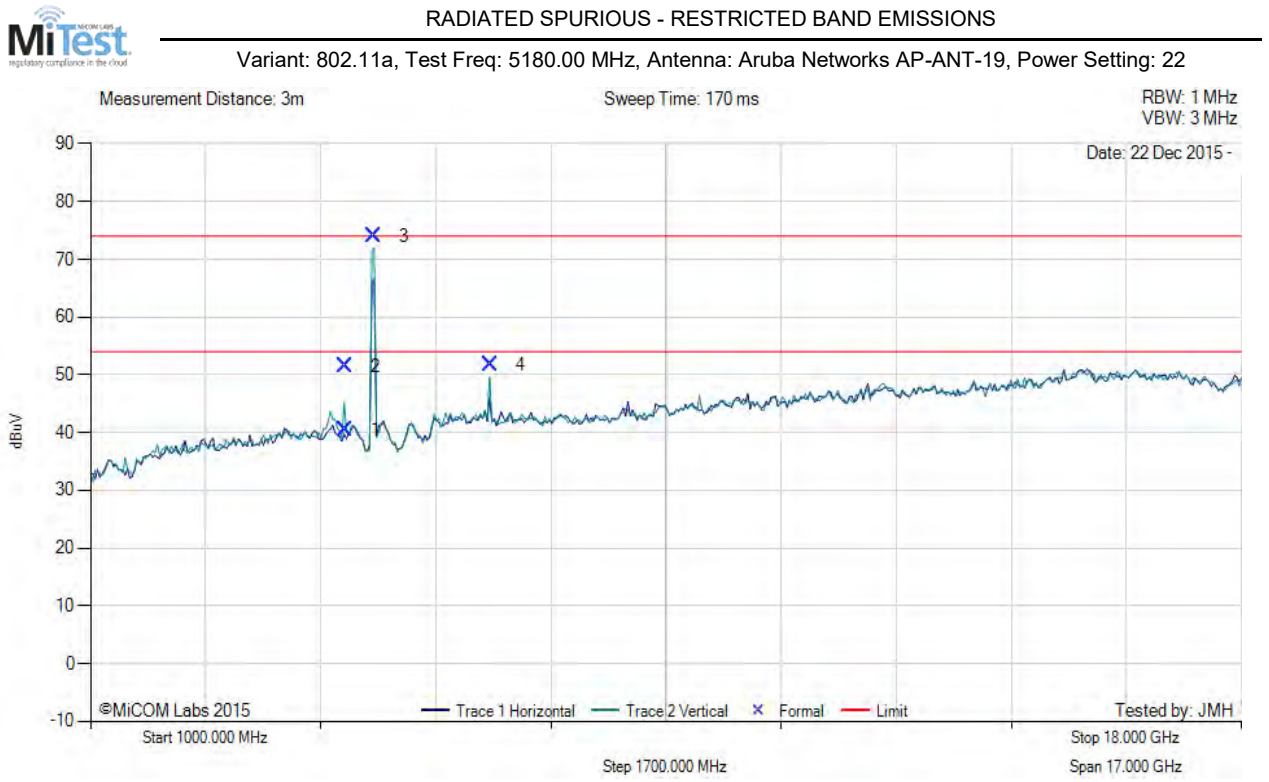
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5820.80	68.77	3.83	-10.26	62.34	Fundamental	Vertical	151	1	--	--	
2	6068.66	56.89	3.88	-9.60	51.17	Peak (NRB)	Horizontal	148	1	--	--	Pass
3	6306.57	63.96	3.93	-8.39	59.50	Peak (NRB)	Vertical	148	1	--	--	Pass

Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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A.3.5 Antenna AP-ANT-19



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	4755.55	48.05	3.56	-11.12	40.49	Max Avg	Vertical	187	333	54.0	-13.5	Pass
2	4755.55	59.06	3.56	-11.12	51.50	Max Peak	Vertical	187	333	74.0	-22.5	Pass
3	5187.45	81.87	3.68	-11.49	74.06	Fundamental	Vertical	150	1	--	--	
4	6906.66	55.22	4.11	-7.54	51.79	Peak (NRB)	Vertical	150	360	--	--	Pass

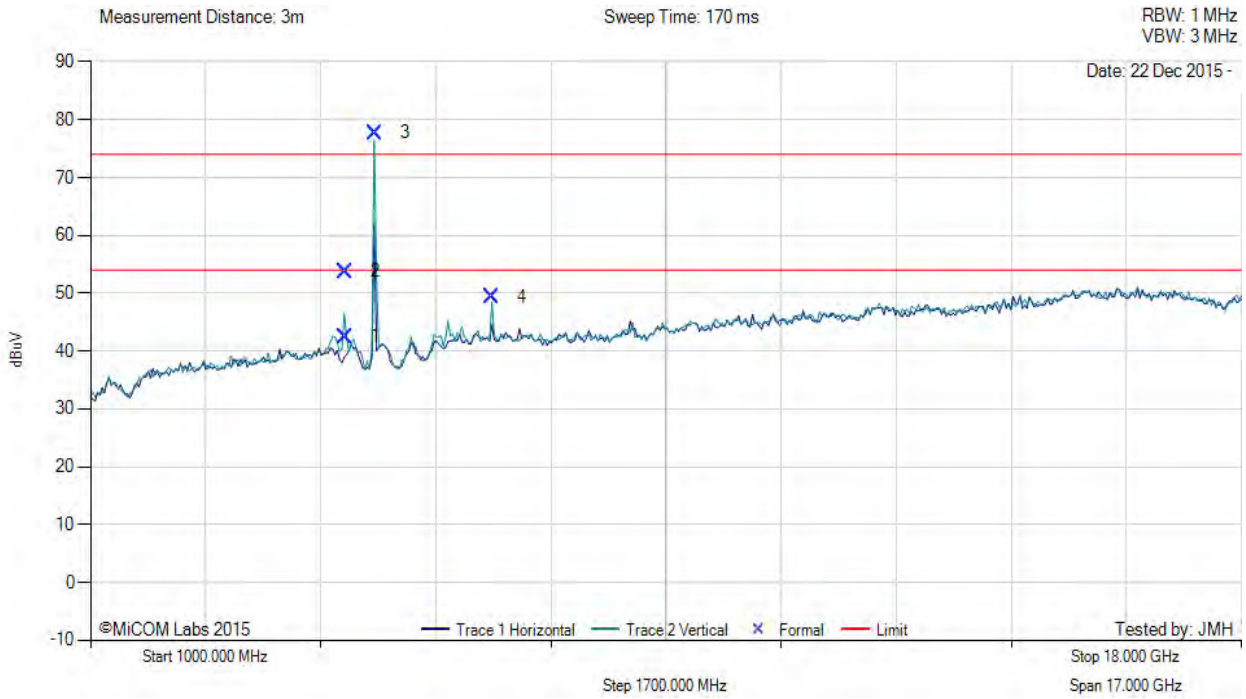
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5200.00 MHz, Antenna: Aruba Networks AP-ANT-19, Power Setting: 22



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	4763.45	50.02	3.58	-11.11	42.49	Max Avg	Vertical	167	333	54.0	-11.5	Pass
2	4763.45	61.32	3.58	-11.11	53.79	Max Peak	Vertical	167	333	74.0	-20.2	Pass
3	5198.12	85.50	3.66	-11.47	77.69	Fundamental	Vertical	151	1	--	--	
4	6933.32	52.67	4.11	-7.49	49.29	Peak (NRB)	Vertical	151	35	--	--	Pass

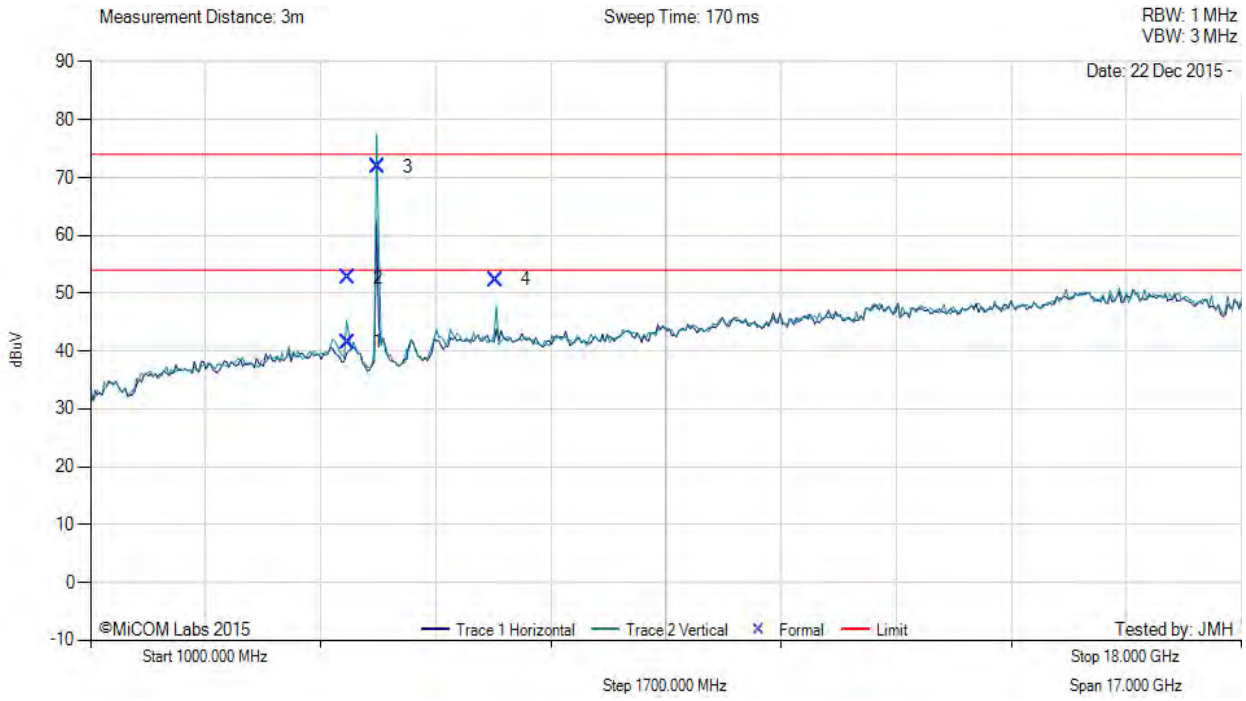
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5240.00 MHz, Antenna: Aruba Networks AP-ANT-19, Power Setting: 22



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	4802.02	49.16	3.51	-11.12	41.55	Max Avg	Vertical	164	13	54.0	-12.5	Pass
2	4802.02	60.22	3.51	-11.12	52.61	Max Peak	Vertical	164	13	74.0	-21.4	Pass
3	5238.68	79.60	3.63	-11.37	71.86	Fundamental	Vertical	104	0	--	--	
4	6986.63	55.62	4.13	-7.45	52.30	Peak (NRB)	Vertical	151	336	--	--	Pass

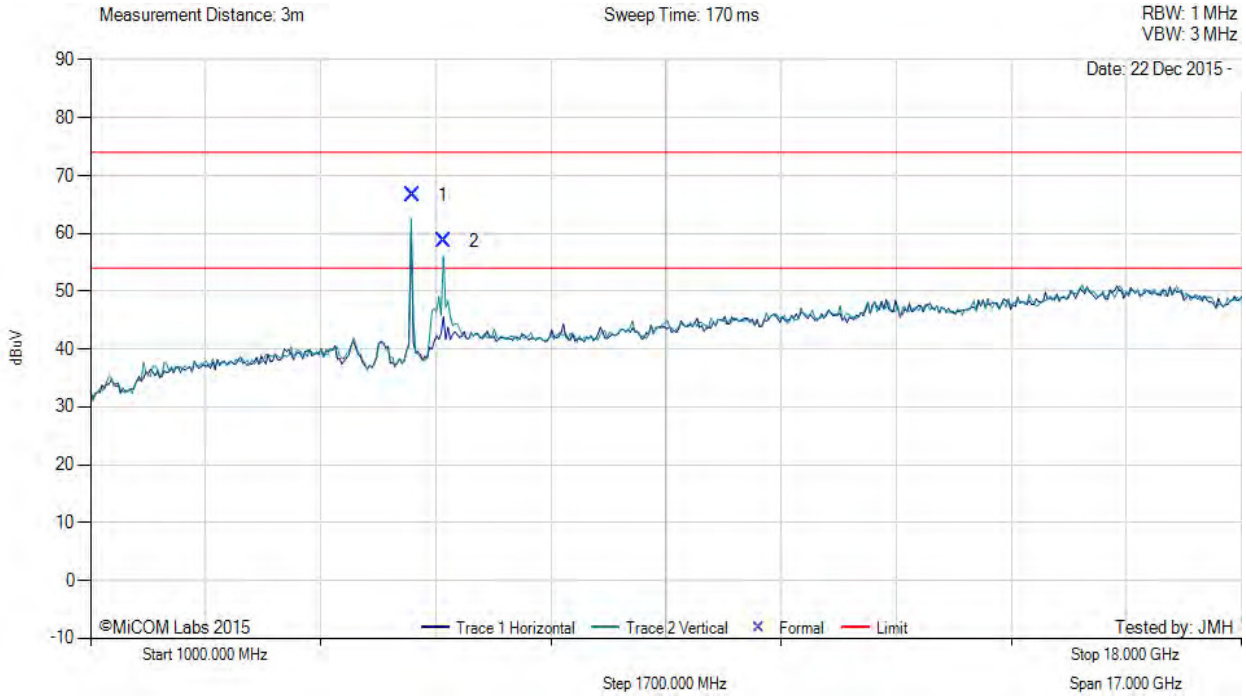
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-19, Power Setting: 22



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	5752.42	73.40	3.84	-10.62	66.62	Fundamental	Vertical	120	0	--	--	
2	6223.44	63.57	3.92	-8.76	58.73	Peak (NRB)	Vertical	151	0	--	--	Pass

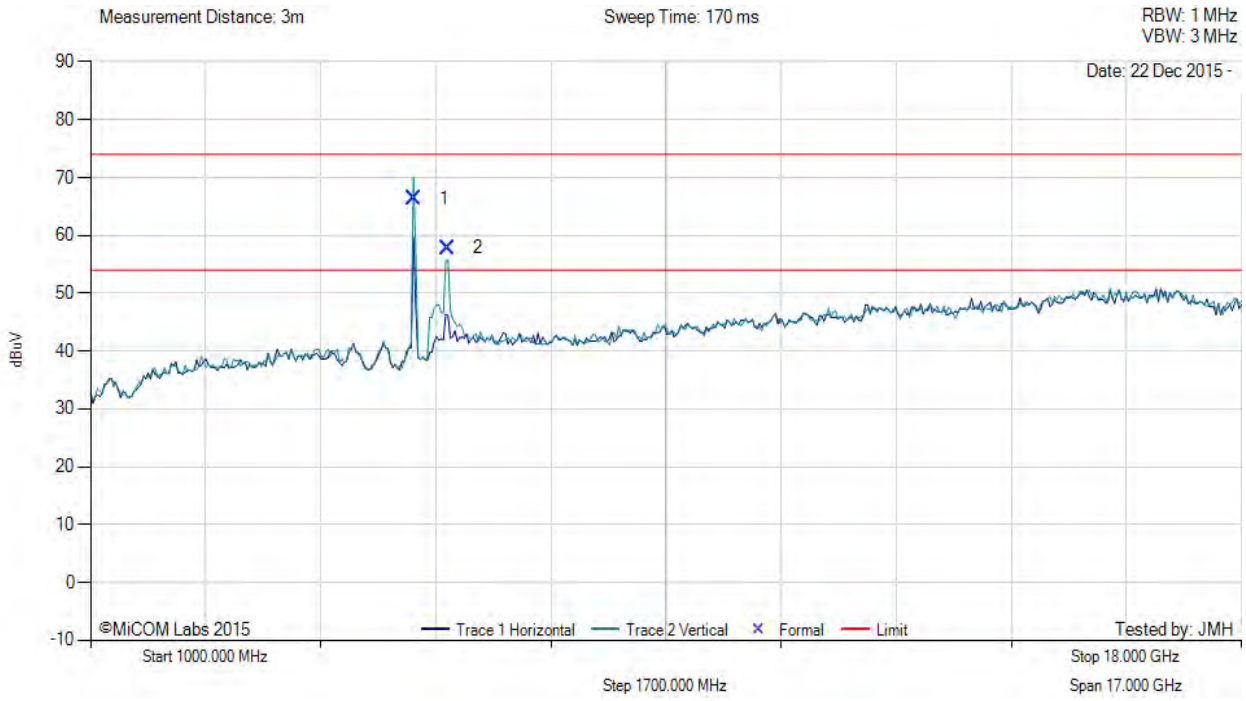
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5785.00 MHz, Antenna: Aruba Networks AP-ANT-19, Power Setting: 22



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	5783.13	72.94	3.80	-10.46	66.28	Fundamental	Vertical	151	0	--	--	
2	6274.27	62.40	3.92	-8.50	57.82	Peak (NRB)	Vertical	151	0	--	--	Pass

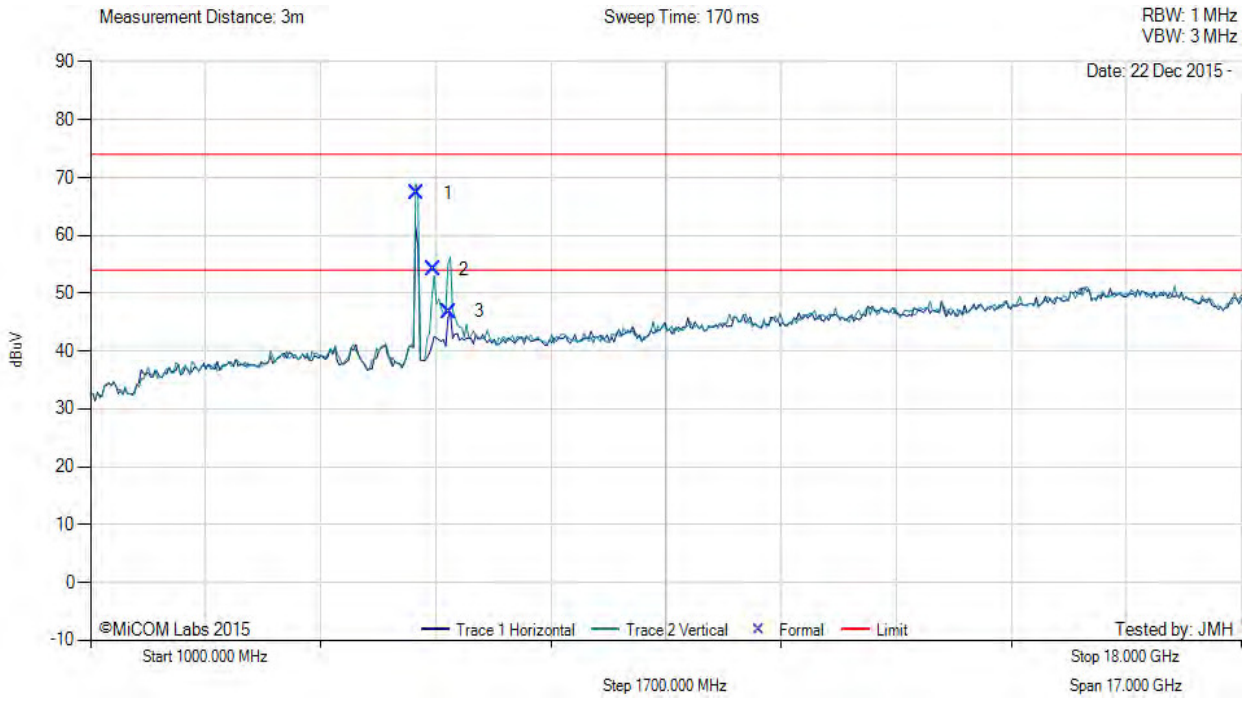
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-19, Power Setting: 22



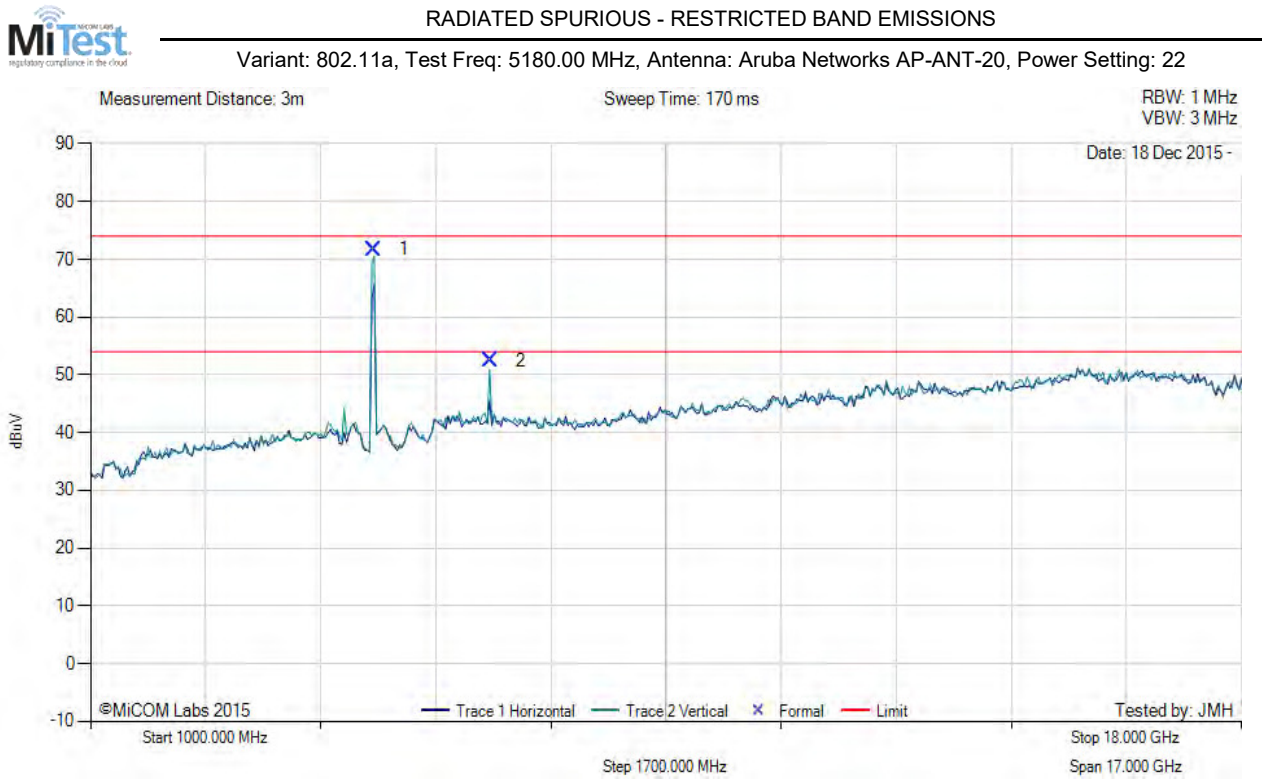
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5822.49	73.74	3.83	-10.26	67.31	Fundamental	Vertical	101	1	--	--	
2	6067.41	59.87	3.88	-9.61	54.14	Peak (NRB)	Vertical	151	60	--	--	Pass
3	6294.63	51.33	3.95	-8.44	46.84	Peak (NRB)	Vertical	151	11	--	--	Pass

Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

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A.3.6 Antenna AP-ANT-20



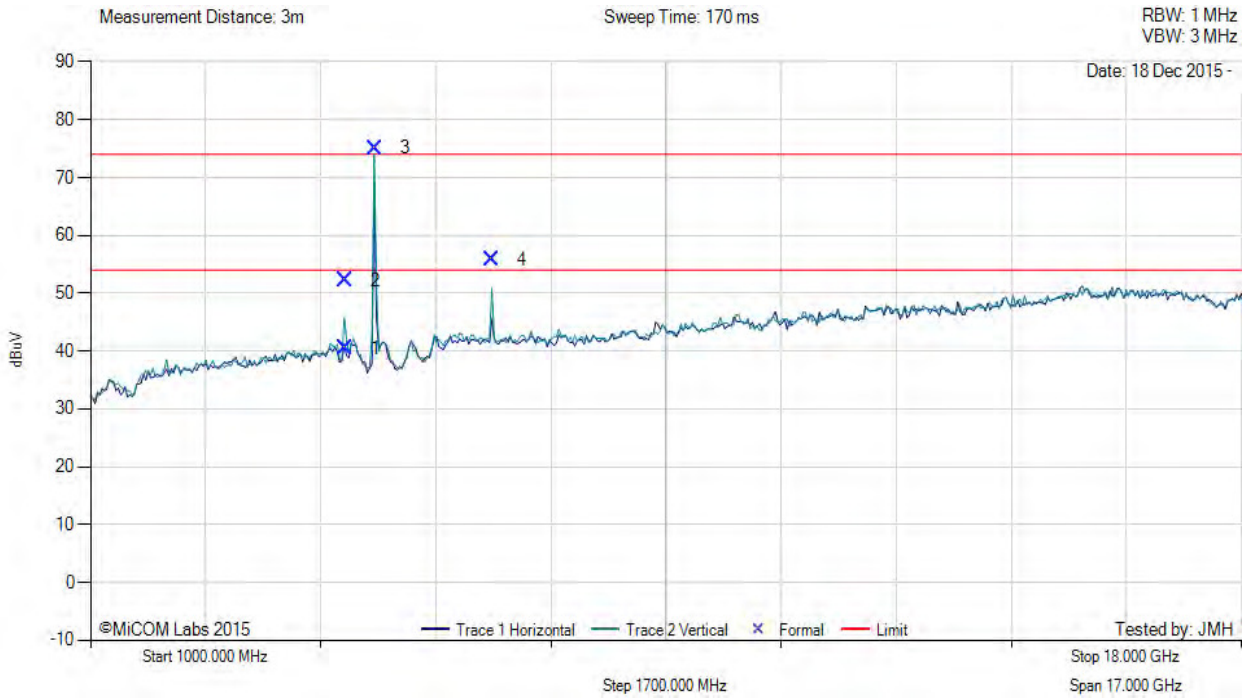
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5187.53	79.52	3.68	-11.49	71.71	Fundamental	Vertical	200	0	--	--	
2	6906.57	55.81	4.11	-7.54	52.38	Peak (NRB)	Vertical	200	0	--	--	Pass

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5200.00 MHz, Antenna: Aruba Networks AP-ANT-20, Power Setting: 22



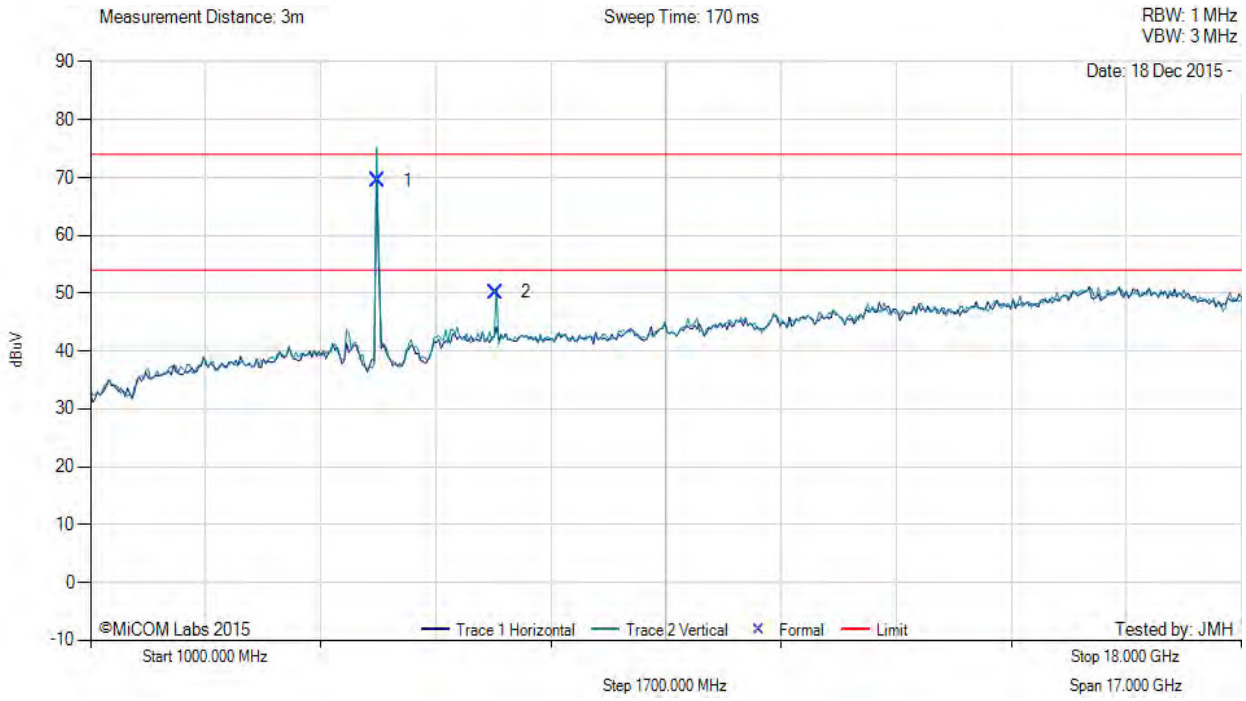
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	4764.93	48.04	3.59	-11.11	40.52	Max Avg	Vertical	172	41	54.0	-13.5	Pass
2	4764.93	59.67	3.59	-11.11	52.15	Max Peak	Vertical	172	41	74.0	-21.9	Pass
3	5197.39	82.85	3.66	-11.47	75.04	Fundamental	Vertical	200	1	--	--	
4	6933.28	59.22	4.11	-7.49	55.84	Peak (NRB)	Vertical	200	360	--	--	Pass

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5240.00 MHz, Antenna: Aruba Networks AP-ANT-20, Power Setting: 22



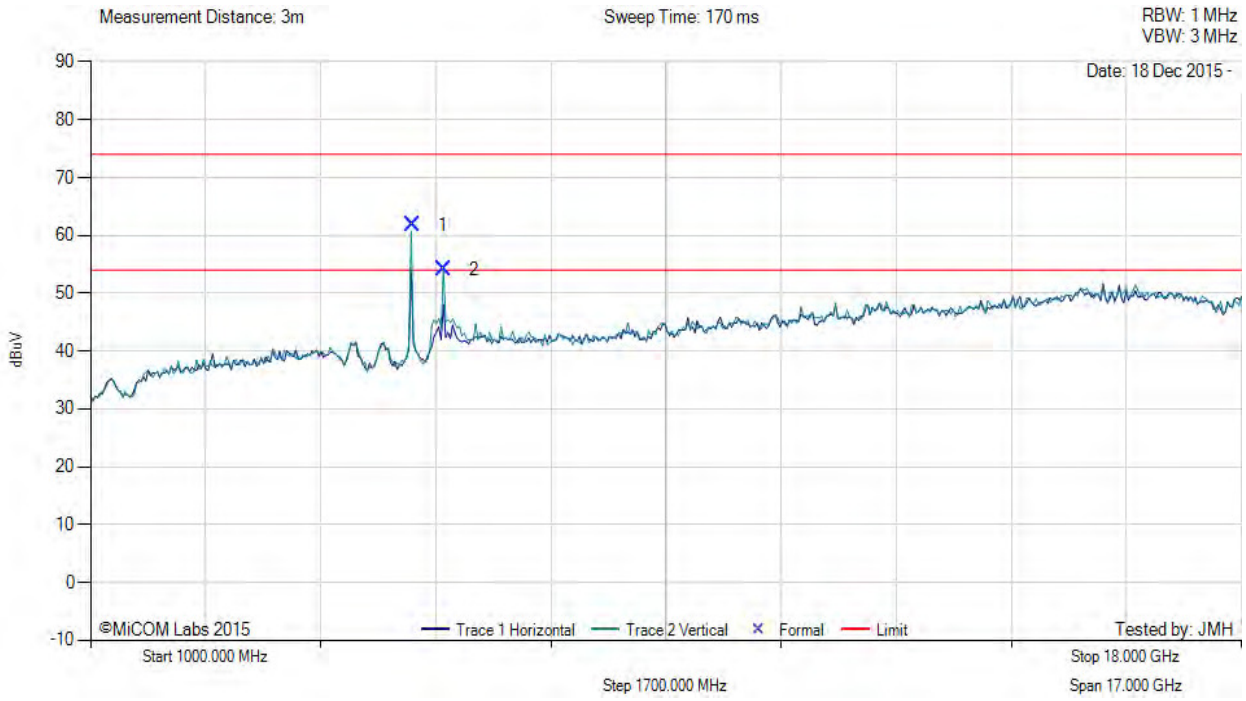
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5236.91	77.25	3.63	-11.37	69.51	Fundamental	Vertical	101	1	--	--	
2	6986.60	53.47	4.13	-7.45	50.15	Peak (NRB)	Vertical	101	1	--	--	Pass

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-20, Power Setting: 22



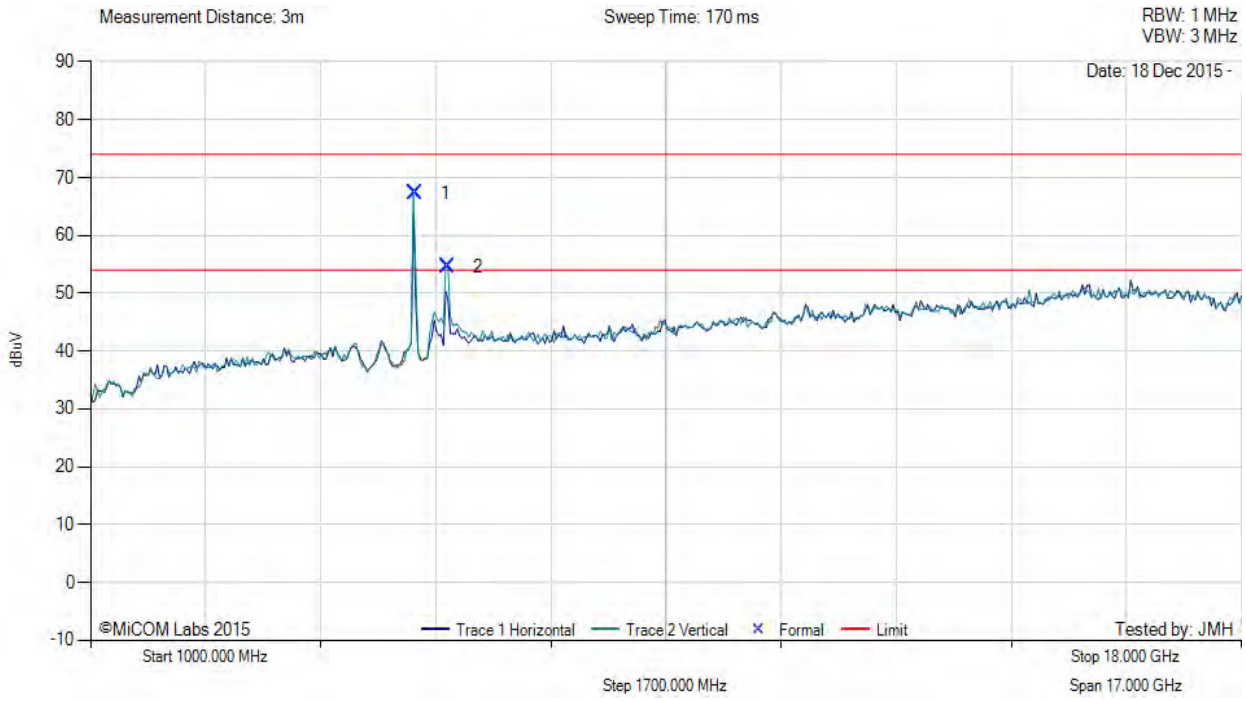
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5752.50	68.54	3.84	-10.61	61.77	Fundamental	Vertical	151	0	--	--	
2	6219.59	58.99	3.92	-8.78	54.13	Peak (NRB)	Vertical	151	0	--	--	Pass

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5785.00 MHz, Antenna: Aruba Networks AP-ANT-20, Power Setting: 22



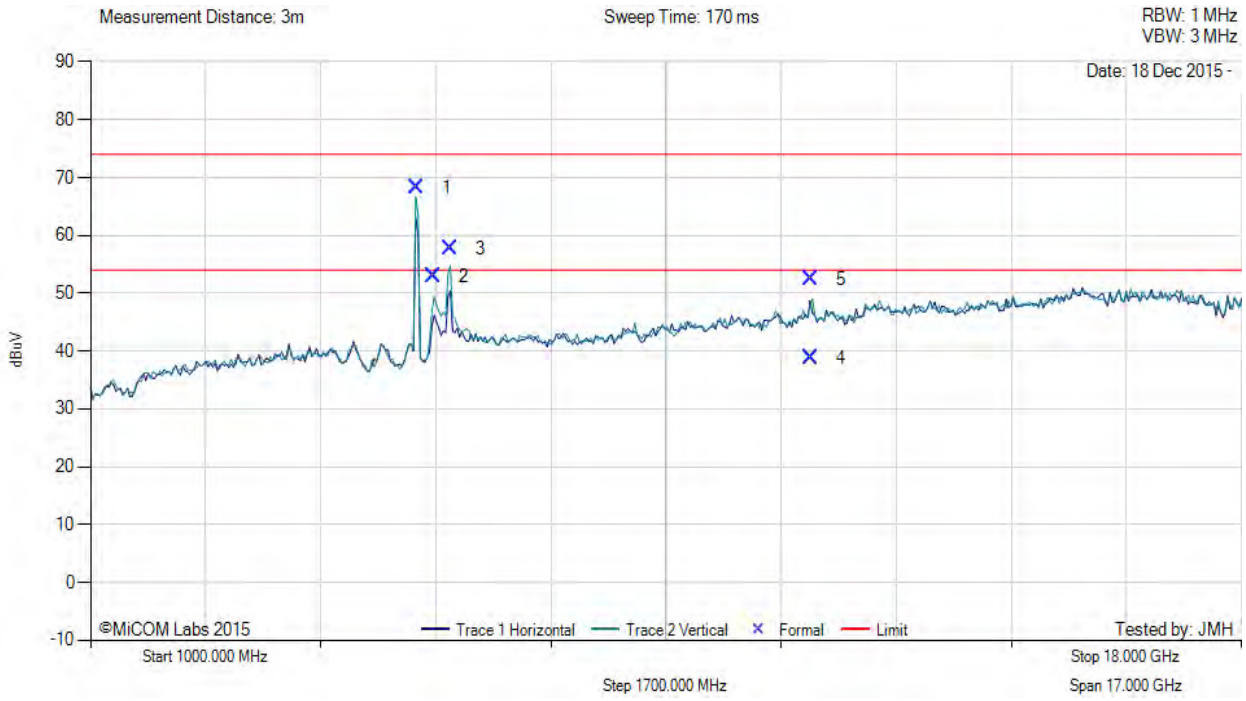
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5791.98	73.99	3.78	-10.40	67.37	Fundamental	Vertical	151	1	--	--	
2	6273.88	59.13	3.92	-8.50	54.55	Peak (NRB)	Vertical	151	1	--	--	Pass

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-20, Power Setting: 22

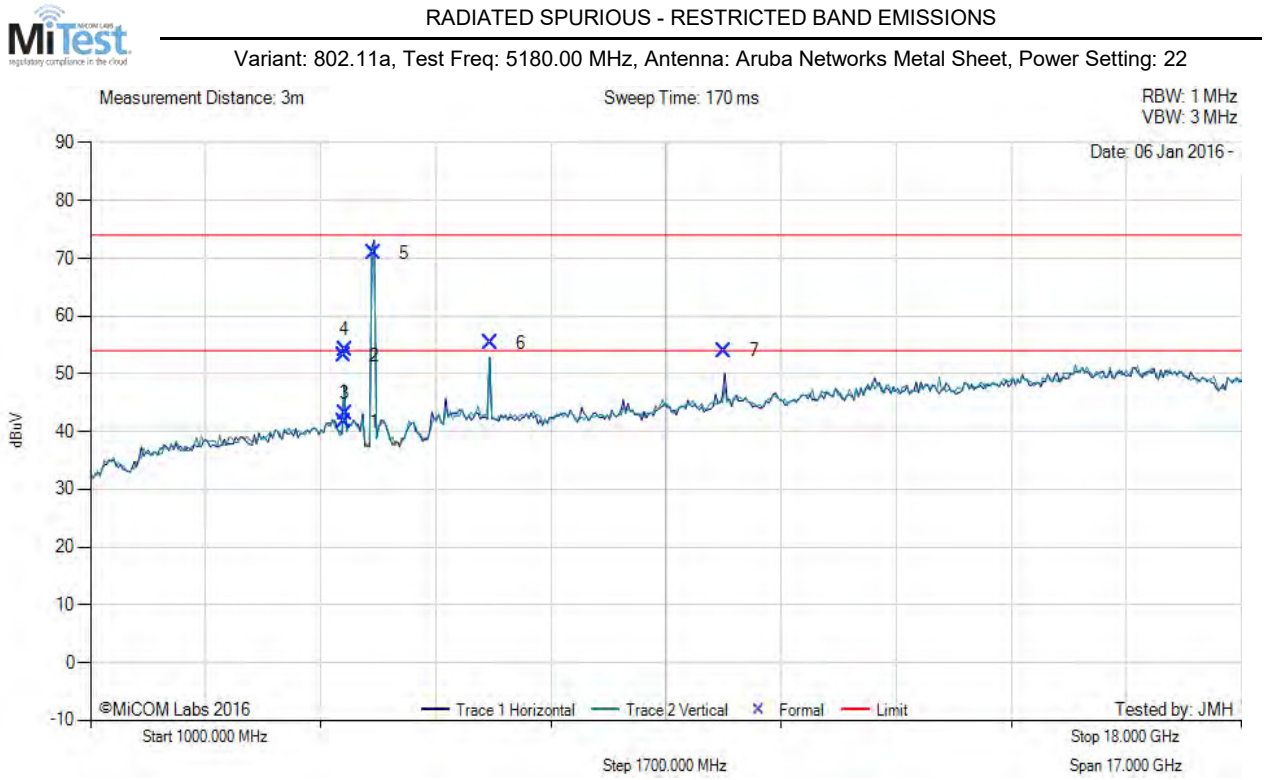


Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5821.85	74.71	3.83	-10.26	68.28	Fundamental	Vertical	151	0	--	--	
2	6063.52	58.68	3.89	-9.62	52.95	Peak (NRB)	Vertical	151	0	--	--	Pass
3	6307.54	62.21	3.92	-8.39	57.74	Peak (NRB)	Vertical	151	0	--	--	Pass
4	11640.64	37.78	5.48	-4.48	38.78	Max Avg	Vertical	161	95	54.0	-15.2	Pass
5	11640.64	51.45	5.48	-4.48	52.45	Max Peak	Vertical	161	95	74.0	-21.6	Pass

back to matrix

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A.3.7 Integral (APIN0215) Antenna



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	4745.85	49.20	3.55	-11.12	41.63	Max Avg	Horizontal	151	72	54.0	-12.4	Pass
2	4745.85	60.76	3.55	-11.12	53.19	Max Peak	Horizontal	151	72	74.0	-20.8	Pass
3	4755.87	50.61	3.56	-11.12	43.05	Max Avg	Horizontal	159	81	54.0	-11.0	Pass
4	4755.87	61.75	3.56	-11.12	54.19	Max Peak	Horizontal	159	81	74.0	-19.8	Pass
5	5184.49	78.65	3.68	-11.49	70.84	Fundamental	Horizontal	151	1	--	--	
6	6906.66	58.70	4.11	-7.54	55.27	Peak (NRB)	Horizontal	151	80	--	--	Pass
7	10358.20	53.70	5.55	-5.28	53.97	Peak (NRB)	Horizontal	151	80	--	--	Pass

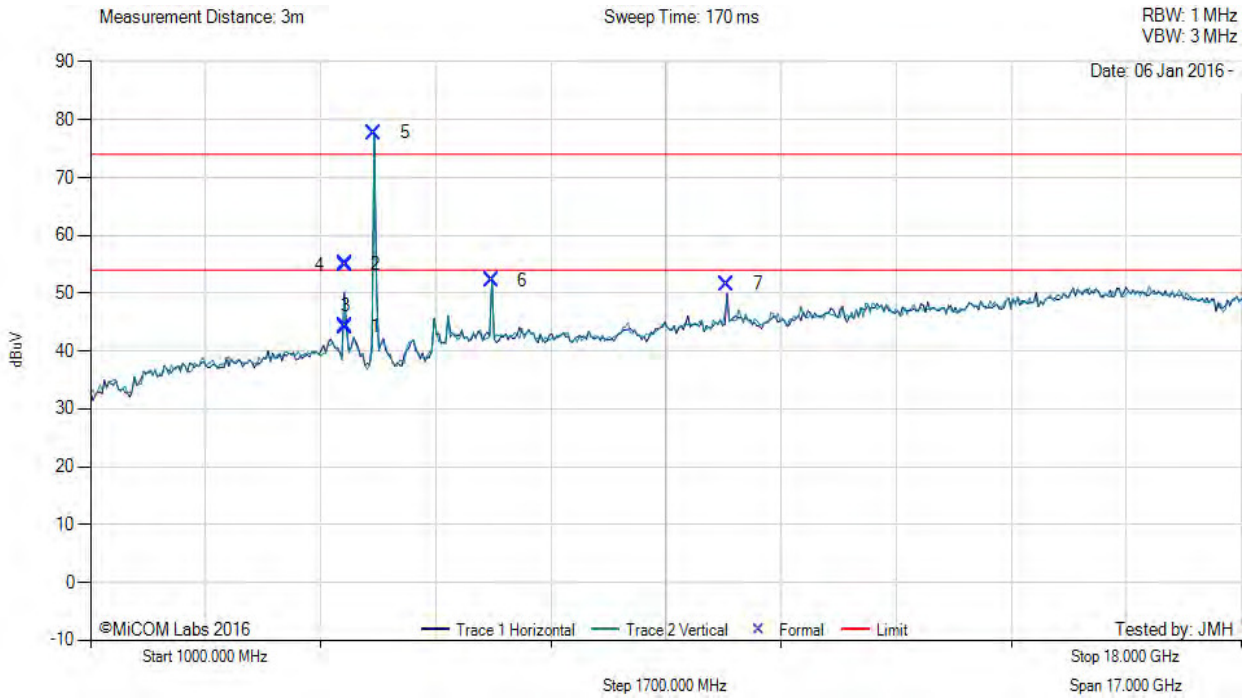
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5200.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 22



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	4759.79	51.74	3.57	-11.11	44.20	Max Avg	Horizontal	177	60	54.0	-9.8	Pass
2	4759.79	62.58	3.57	-11.11	55.04	Max Peak	Horizontal	177	60	74.0	-19.0	Pass
3	4765.13	51.78	3.59	-11.11	44.26	Max Avg	Horizontal	128	86	54.0	-9.7	Pass
4	4765.13	62.29	3.59	-11.11	54.77	Max Peak	Horizontal	128	86	74.0	-19.2	Pass
5	5194.27	85.52	3.67	-11.47	77.72	Fundamental	Horizontal	151	51	--	--	
6	6933.27	55.58	4.11	-7.49	52.20	Peak (NRB)	Horizontal	151	51	--	--	Pass
7	10403.01	51.17	5.42	-5.02	51.57	Peak (NRB)	Horizontal	151	51	--	--	Pass

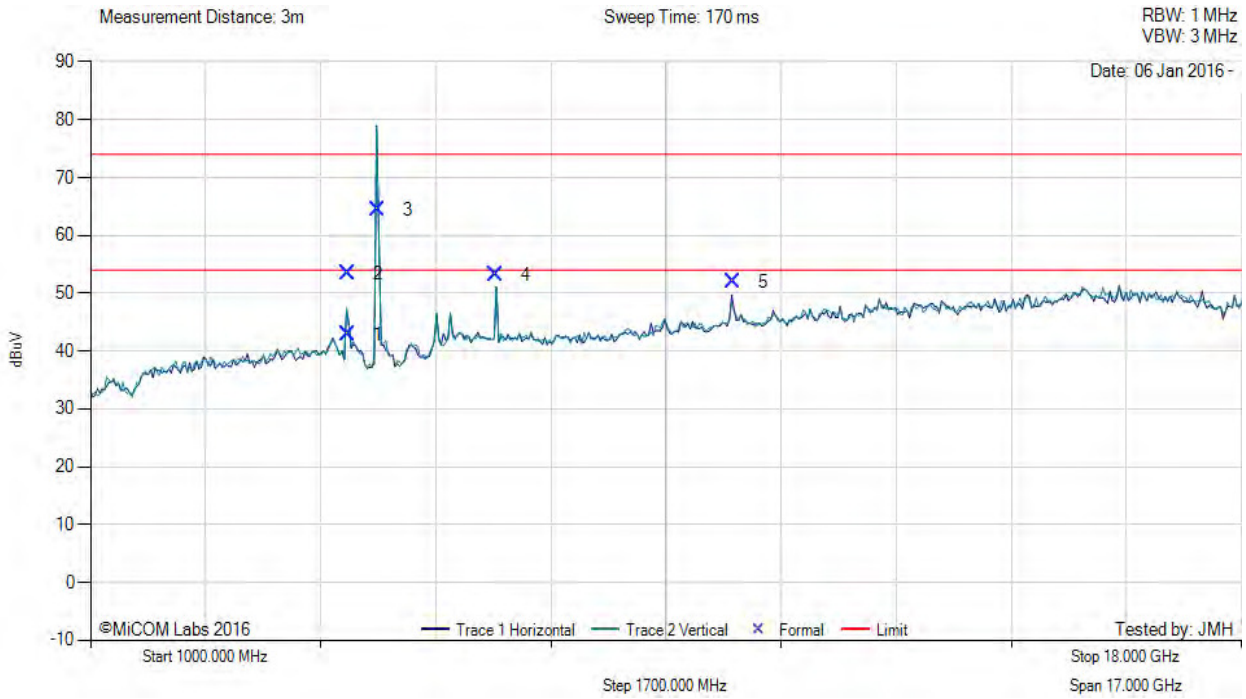
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5240.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 22



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	4797.47	50.46	3.53	-11.11	42.88	Max Avg	Horizontal	107	60	54.0	-11.1	Pass
2	4797.47	61.05	3.53	-11.11	53.47	Max Peak	Horizontal	107	60	74.0	-20.5	Pass
3	5240.92	72.10	3.63	-11.36	64.37	Fundamental	Horizontal	101	360	--	--	
4	6986.49	56.44	4.13	-7.45	53.12	Peak (NRB)	Horizontal	101	308	--	--	Pass
5	10482.08	51.00	5.41	-4.44	51.97	Peak (NRB)	Horizontal	101	0	--	--	Pass

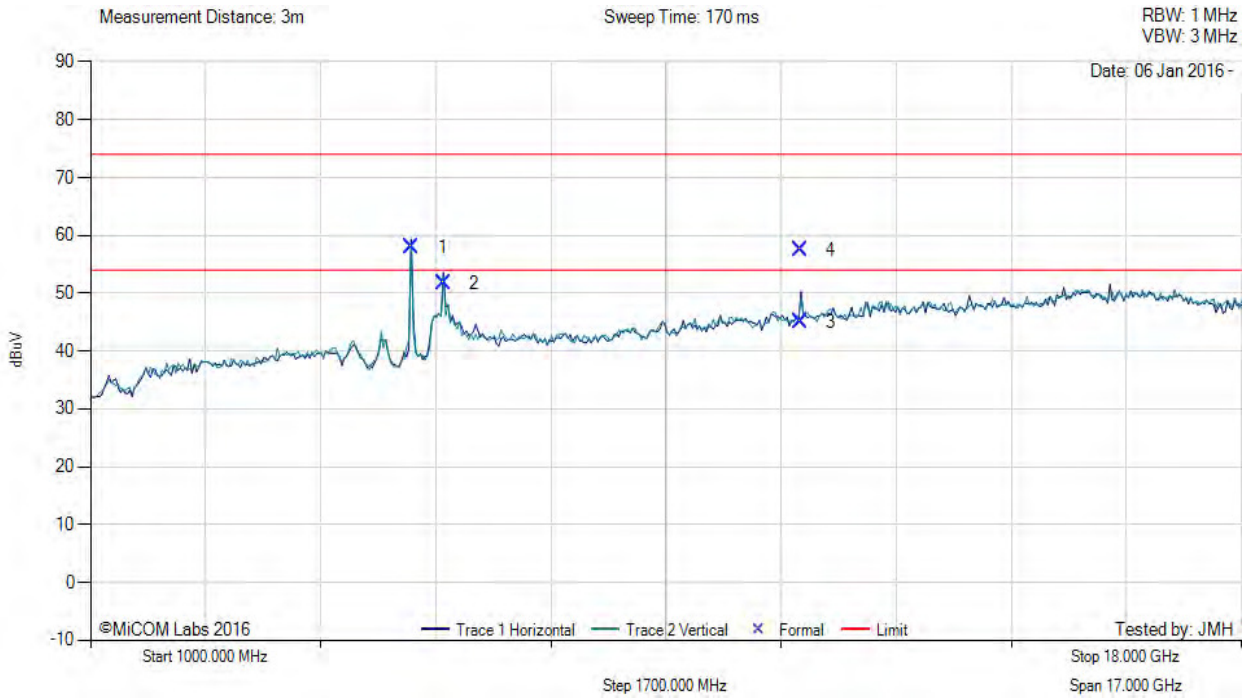
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 22



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	5749.06	64.80	3.85	-10.63	58.02	Fundamental	Horizontal	151	32	--	--	
2	6223.28	56.56	3.92	-8.76	51.72	Peak (NRB)	Horizontal	151	32	--	--	Pass
3	11489.54	44.48	5.45	-4.84	45.09	Max Avg	Horizontal	154	190	54.0	-8.9	Pass
4	11489.54	56.83	5.45	-4.84	57.44	Max Peak	Horizontal	154	190	74.0	-16.6	Pass

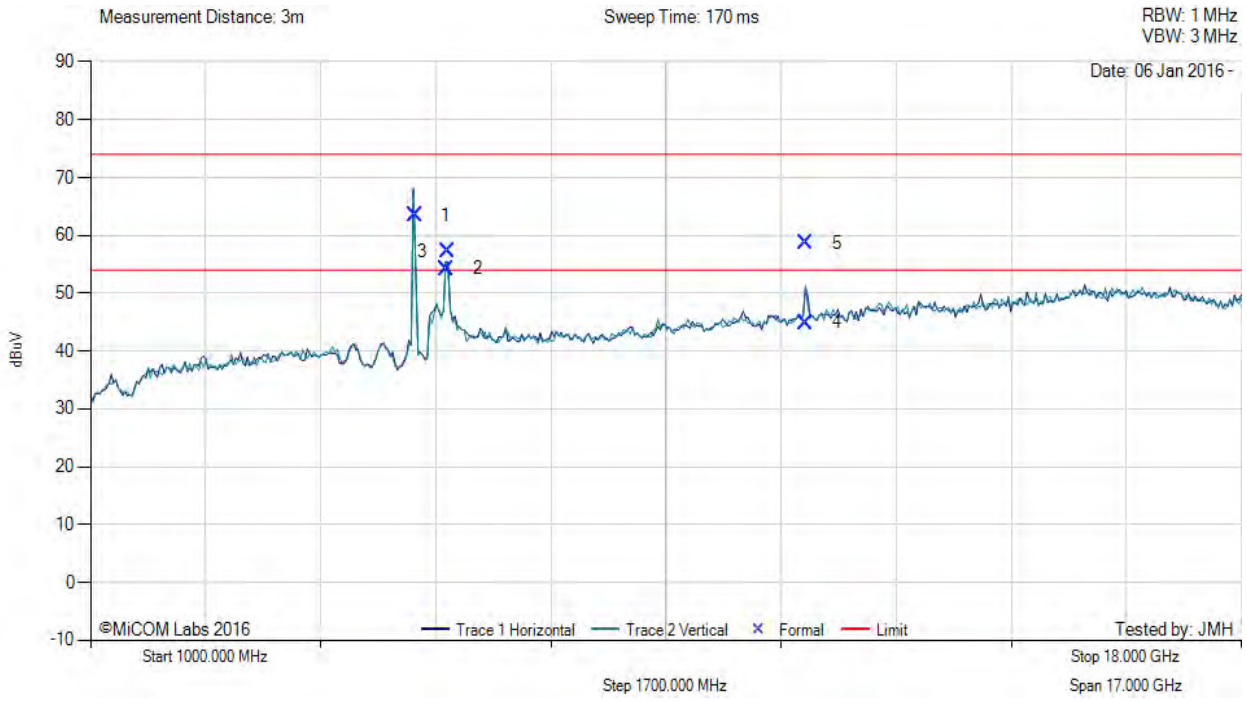
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5785.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 22



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	5789.38	70.13	3.79	-10.42	63.50	Fundamental	Horizontal	151	1	--	--	
2	6263.20	58.89	3.93	-8.54	54.28	Peak (NRB)	Horizontal	151	46	--	--	Pass
3	6273.42	61.75	3.92	-8.50	57.17	Peak (NRB)	Horizontal	151	46	--	--	Pass
4	11569.26	44.09	5.48	-4.65	44.92	Max Avg	Horizontal	144	190	54.0	-9.1	Pass
5	11569.26	57.91	5.48	-4.65	58.74	Max Peak	Horizontal	144	190	74.0	-15.3	Pass

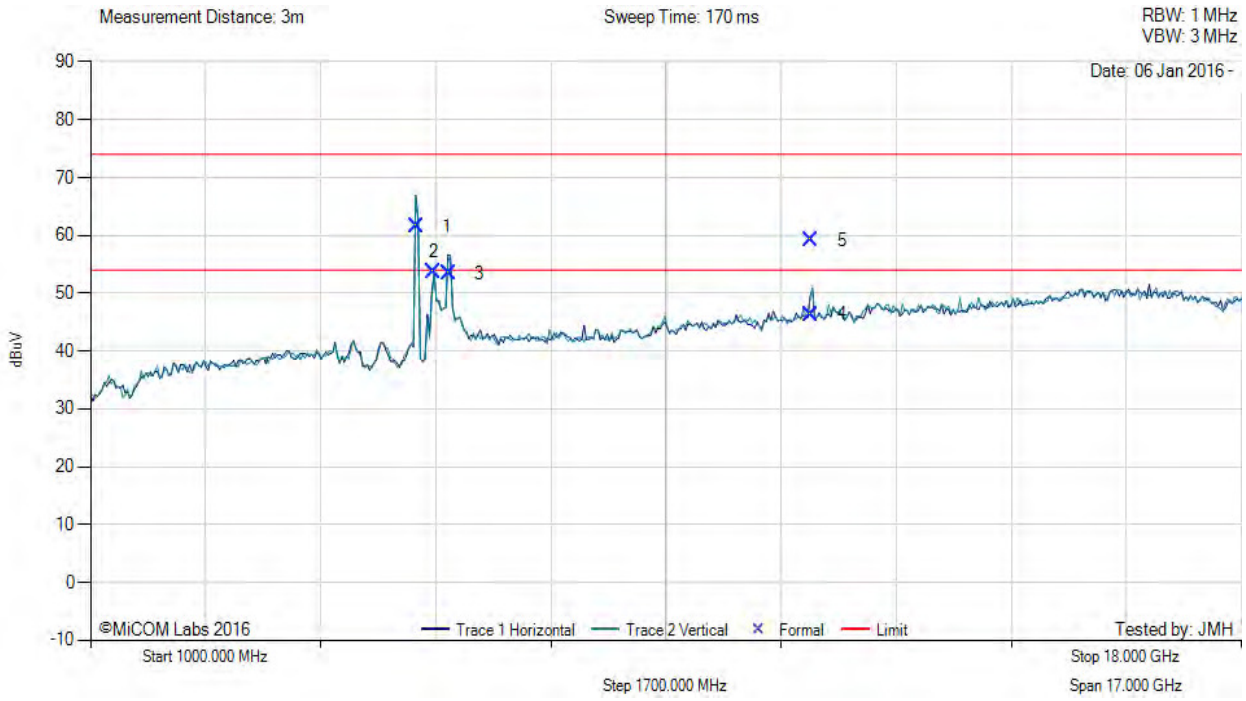
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 22



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	5819.52	68.02	3.83	-10.26	61.59	Fundamental	Horizontal	151	1	--	--	
2	6067.69	59.43	3.88	-9.61	53.70	Peak (NRB)	Horizontal	151	80	--	--	Pass
3	6297.19	57.82	3.96	-8.43	53.35	Peak (NRB)	Horizontal	151	353	--	--	Pass
4	11649.50	45.40	5.44	-4.47	46.37	Max Avg	Horizontal	147	190	54.0	-7.6	Pass
5	11649.50	58.11	5.44	-4.47	59.08	Max Peak	Horizontal	147	190	74.0	-14.9	Pass

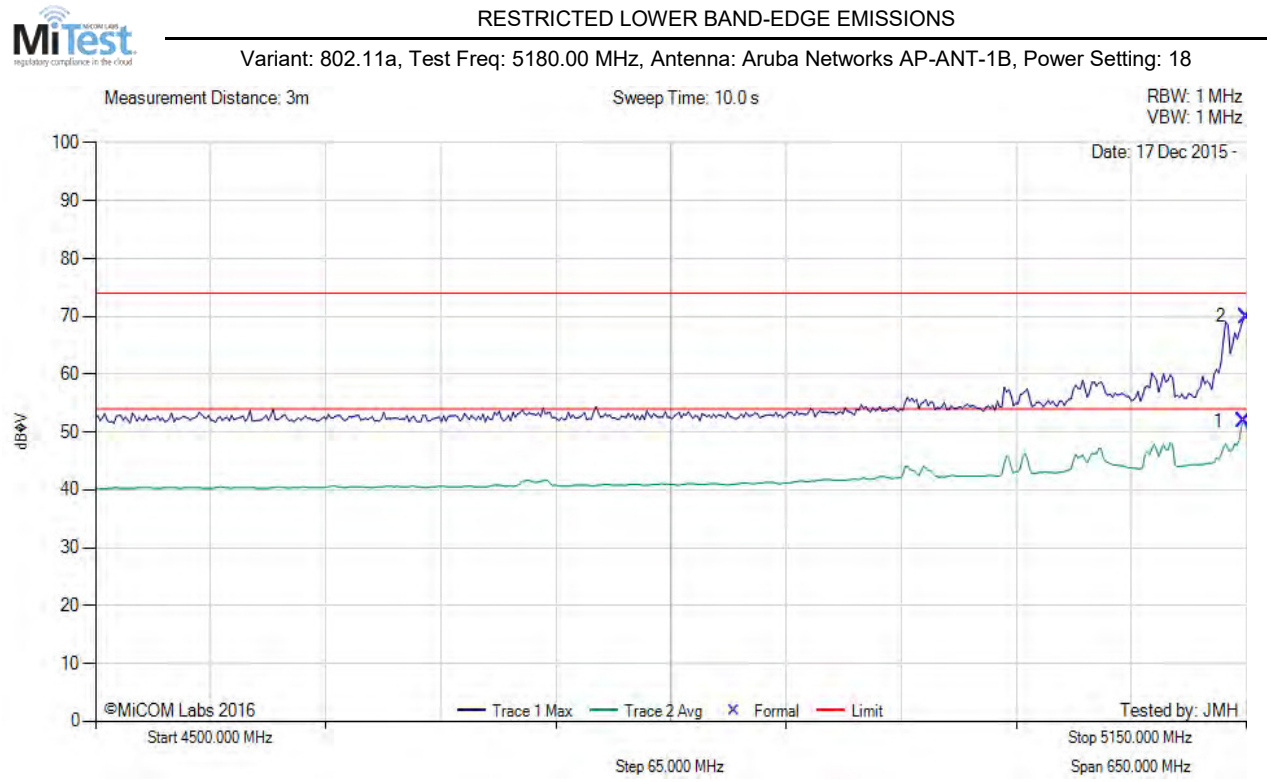
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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A.4. Restricted Band-Edge Emissions

A.4.1 Antenna AP-ANT-1B



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	5148.70	14.18	3.67	34.11	51.96	Max Avg	Vertical	148	-2	54.0	-2.0	Pass
2	5150.00	32.20	3.67	34.11	69.98	Max Peak	Vertical	148	-2	74.0	-4.0	Pass

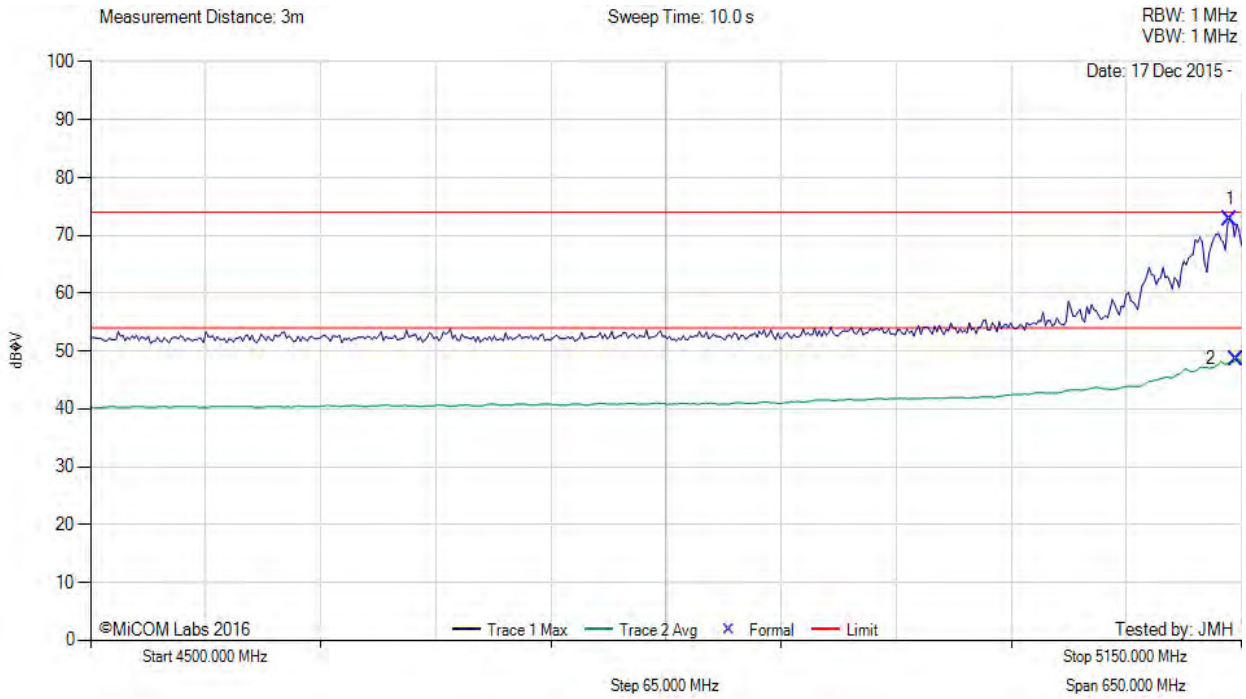
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE EUT on 150cm table.

back to matrix

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5210.00 MHz, Antenna: Aruba Networks AP-ANT-1B, Power Setting: 17.5



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	5143.49	34.98	3.70	34.12	72.80	Max Peak	Vertical	148	-2	74.0	-1.2	Pass
2	5147.39	10.85	3.68	34.11	48.64	Max Avg	Vertical	148	-2	54.0	-5.4	Pass

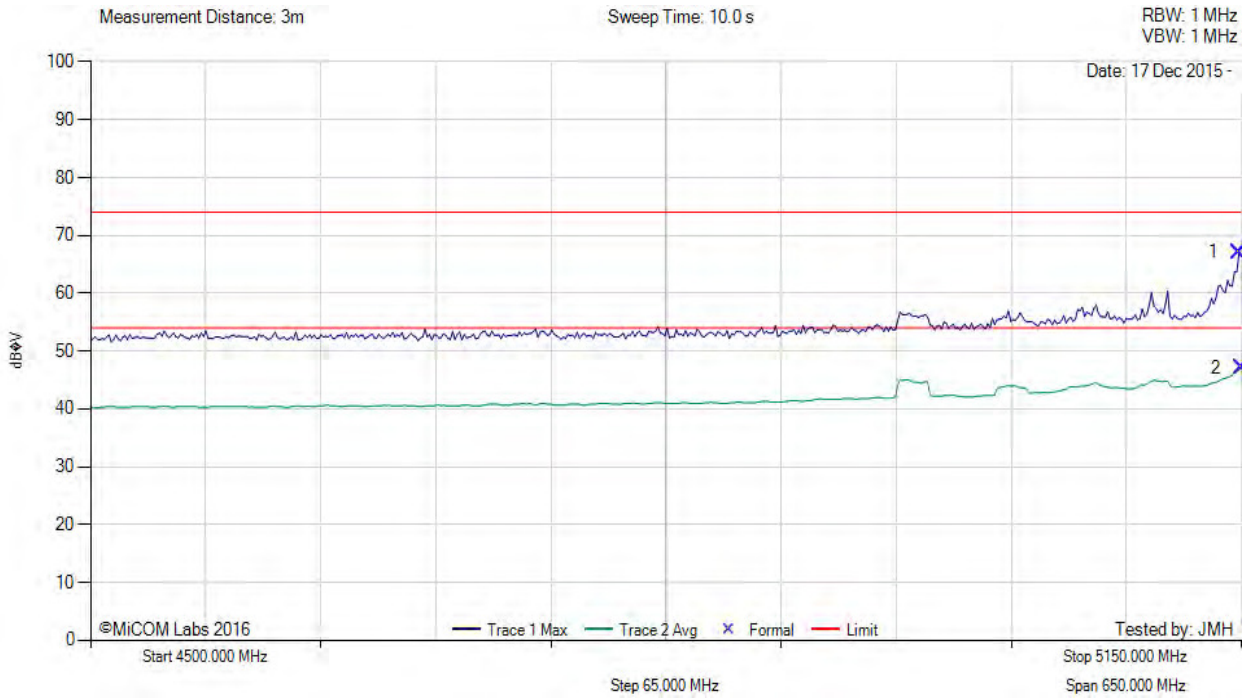
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE EUT on 150cm table.

back to matrix

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5180.00 MHz, Antenna: Aruba Networks AP-ANT-1B, Power Setting: 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	5148.70	29.36	3.67	34.11	67.14	Max Peak	Vertical	148	-5	74.0	-6.9	Pass
2	5150.00	9.30	3.67	34.11	47.08	Max Avg	Vertical	148	-5	54.0	-6.9	Pass

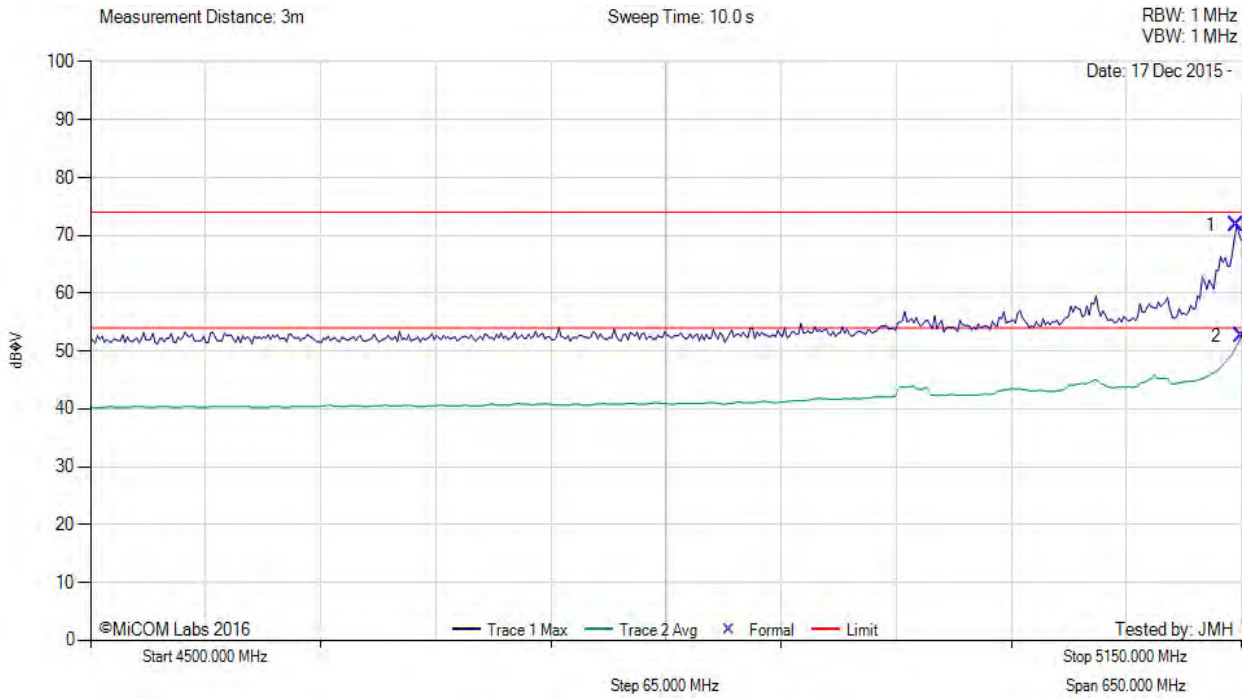
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5180.00 MHz, Antenna: Aruba Networks AP-ANT-1B, Power Setting: 20



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	5147.39	34.06	3.68	34.11	71.85	Max Peak	Vertical	148	-2	74.0	-2.2	Pass
2	5150.00	14.82	3.67	34.11	52.60	Max Avg	Vertical	148	-2	54.0	-1.4	Pass

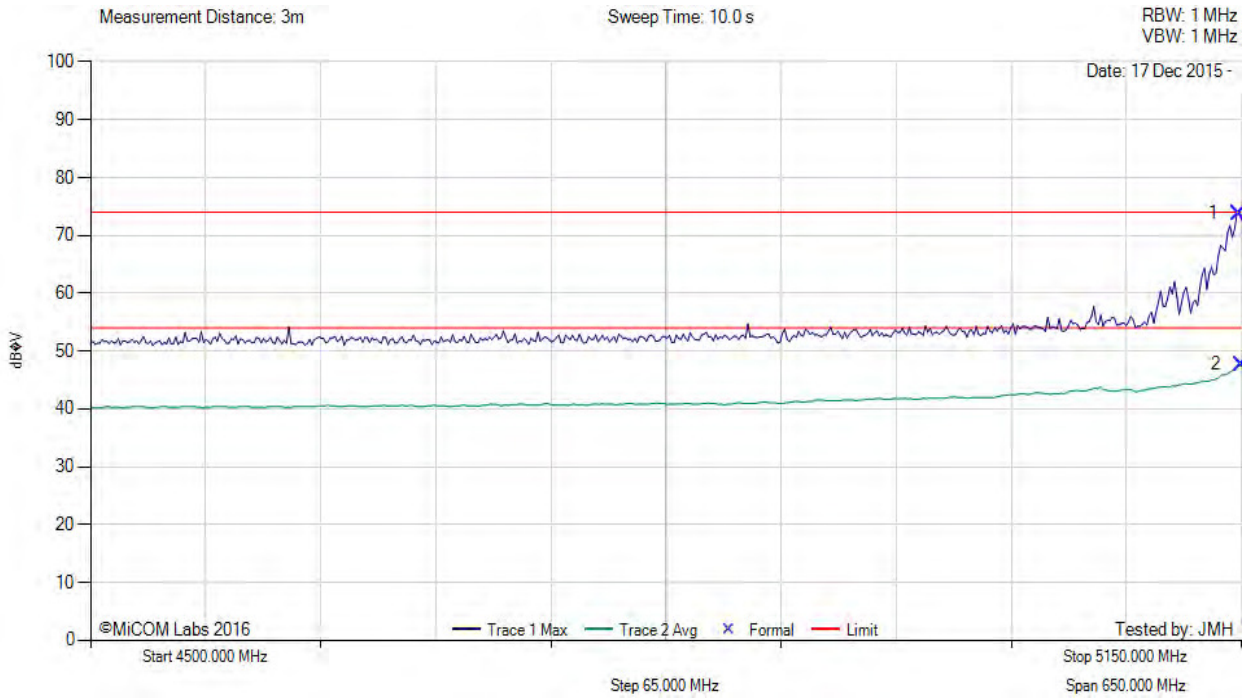
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE.

back to matrix

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5190.00 MHz, Antenna: Aruba Networks AP-ANT-1B, Power Setting: 17



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	5148.70	36.00	3.67	34.11	73.78	Max Peak	Vertical	148	-2	74.0	-0.2	Pass
2	5150.00	9.89	3.67	34.11	47.67	Max Avg	Vertical	148	-2	54.0	-6.3	Pass

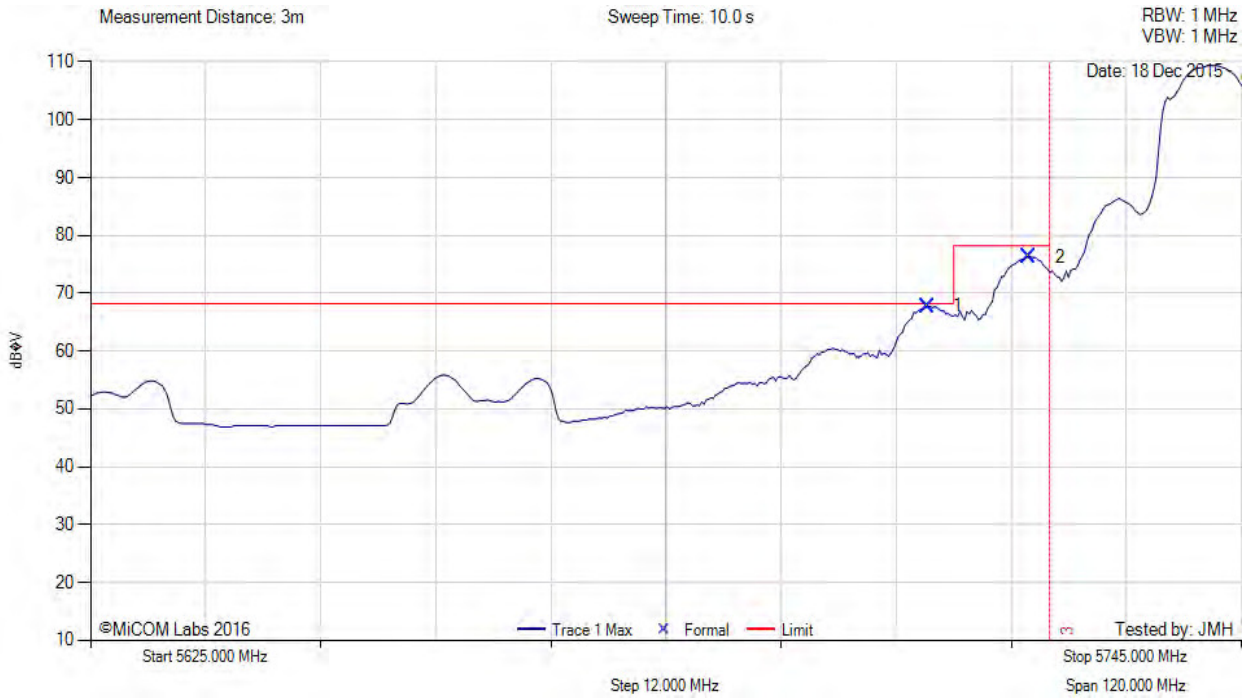
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE EUT on 150cm table.

back to matrix

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5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-1B, Power Setting: 21



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	5712.29	29.61	3.83	34.34	67.78	Marker	Vertical	175	358	68.2	-0.5	Pass
2	5722.88	38.15	3.80	34.35	76.30	Marker	Vertical	175	358	78.2	-1.9	Pass
3	5725.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

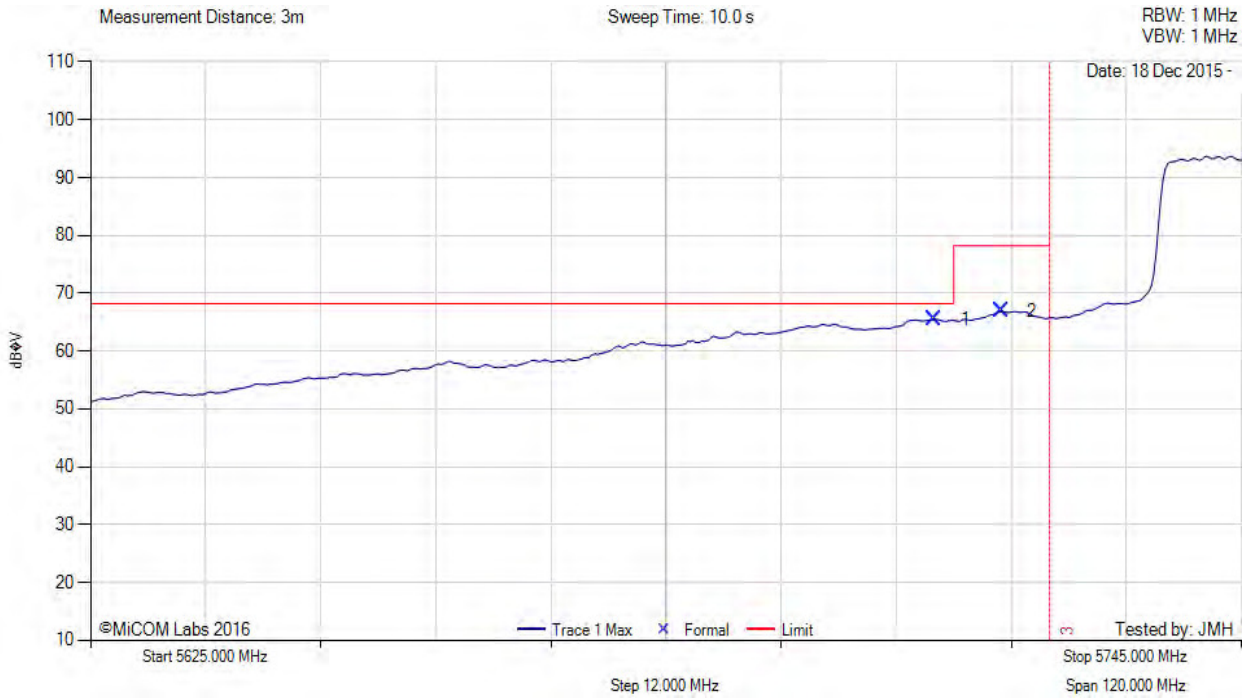
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: Aruba Networks AP-ANT-1B, Power Setting: 21



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	5713.02	27.33	3.82	34.34	65.49	Marker	Vertical	175	358	68.2	-2.7	Pass
2	5719.95	28.71	3.80	34.35	66.86	Marker	Vertical	175	358	78.2	-11.4	Pass
3	5725.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

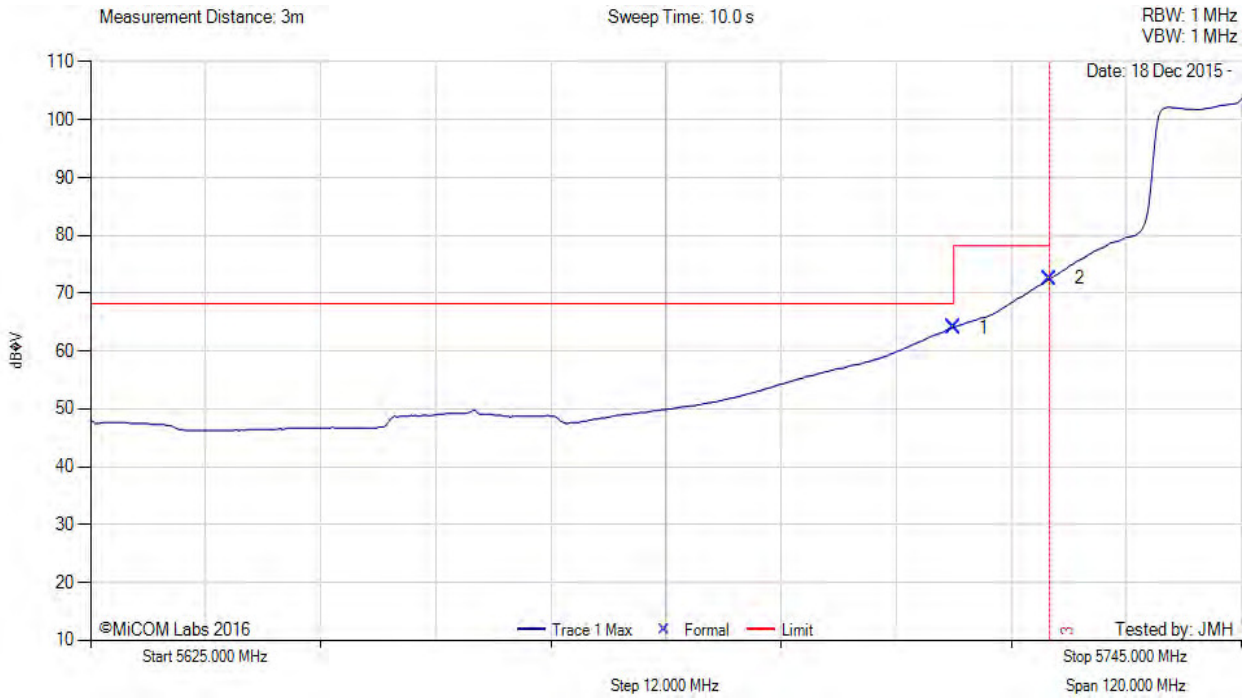
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-1B, Power Setting: 22



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	25.97	3.81	34.34	64.12	Marker	Vertical	175	358	68.2	-4.1	Pass
2	5725.00	34.43	3.79	34.35	72.57	Marker	Vertical	175	358	78.2	-5.7	Pass
3	5725.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

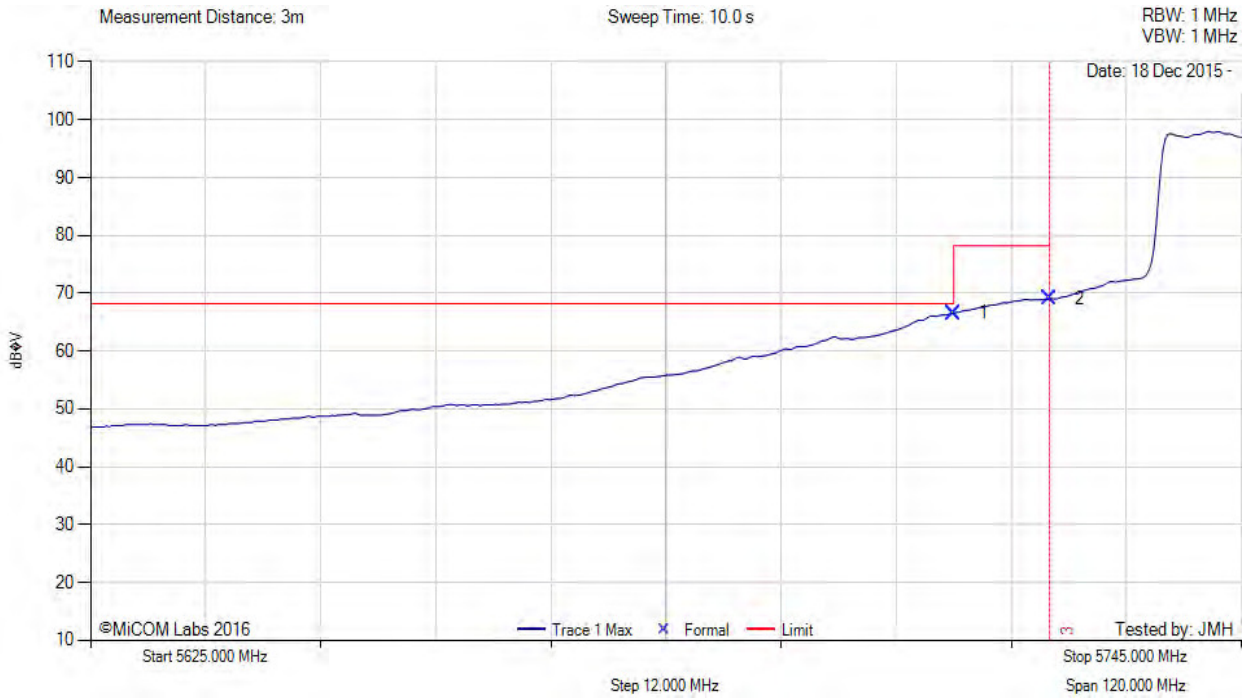
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE.

back to matrix

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5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5755.00 MHz, Antenna: Aruba Networks AP-ANT-1B, Power Setting: 21



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	28.39	3.81	34.34	66.54	Marker	Vertical	175	358	68.2	-1.7	Pass
2	5725.00	30.88	3.79	34.35	69.02	Marker	Vertical	175	358	78.2	-9.2	Pass
3	5725.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

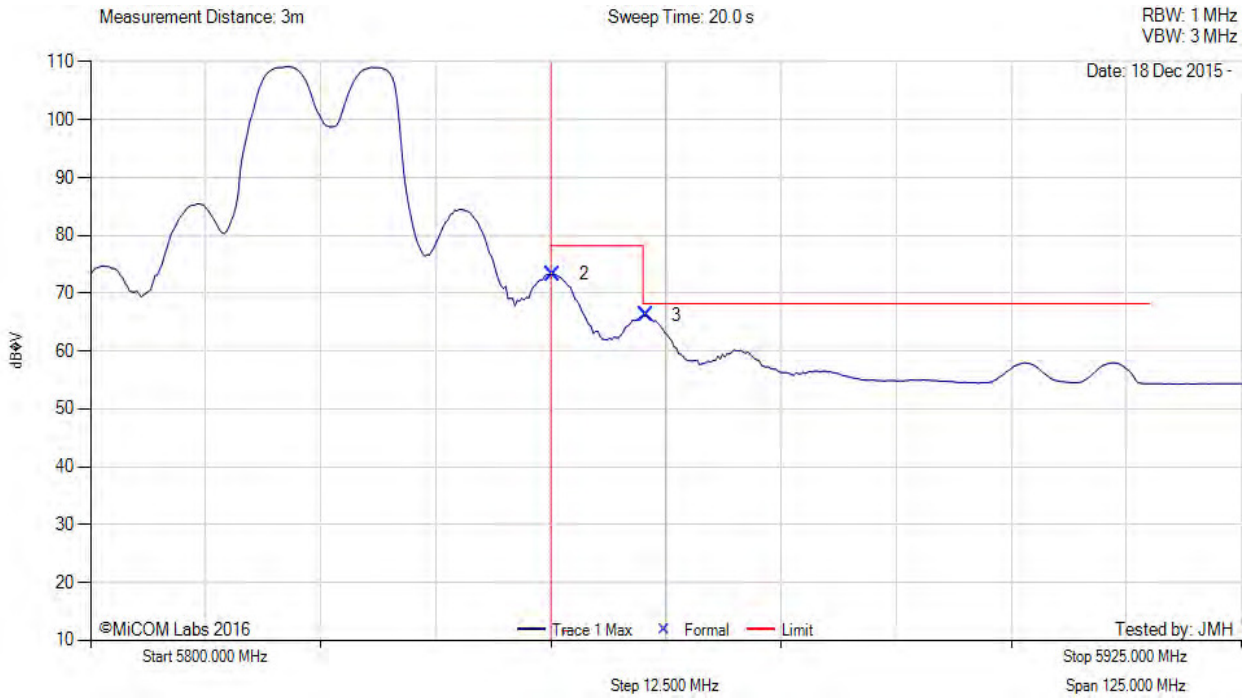
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE.

back to matrix

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5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-1B, Power Setting: 21



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	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	
2	5850.25	34.86	3.81	34.63	73.30	Marker	Vertical	145	358	78.2	-4.9	Pass
3	5860.37	27.65	3.86	34.65	66.16	Marker	Vertical	145	358	68.2	-2.1	Pass

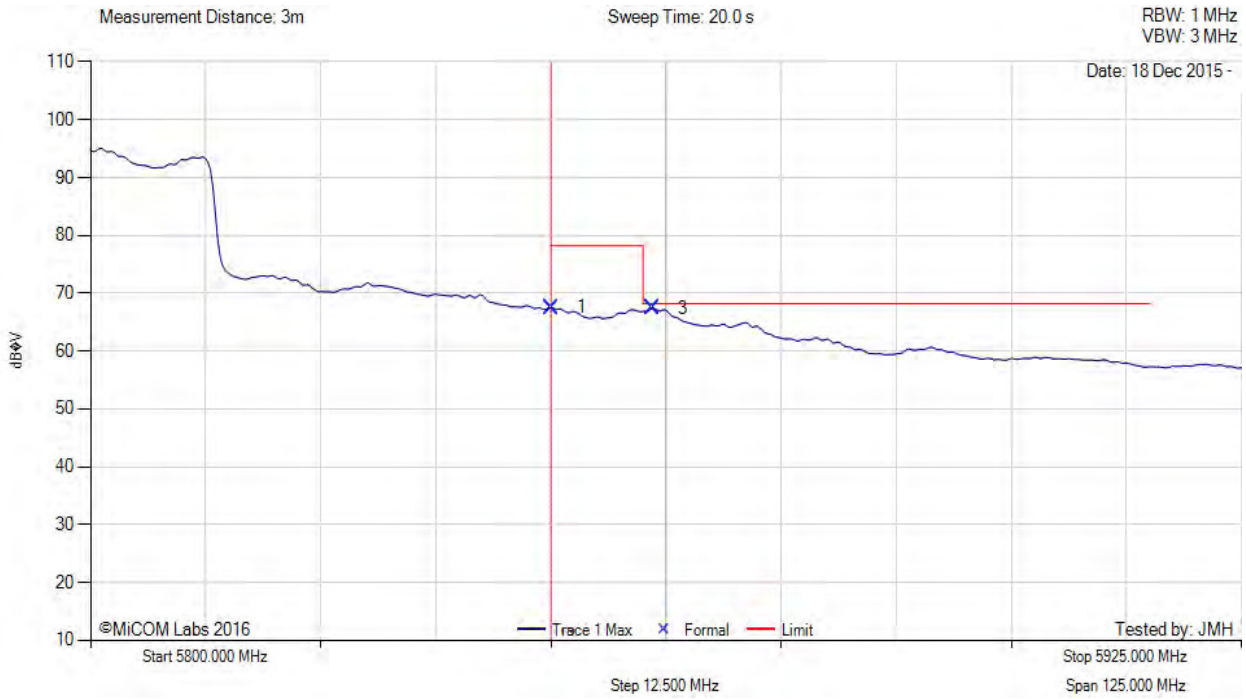
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: Aruba Networks AP-ANT-1B, Power Setting: 22



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	29.06	3.81	34.63	67.50	Marker	Vertical	145	358	78.2	-10.7	Pass
2	5850.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	
3	5861.00	28.90	3.86	34.66	67.42	Marker	Vertical	145	358	68.2	-0.8	Pass

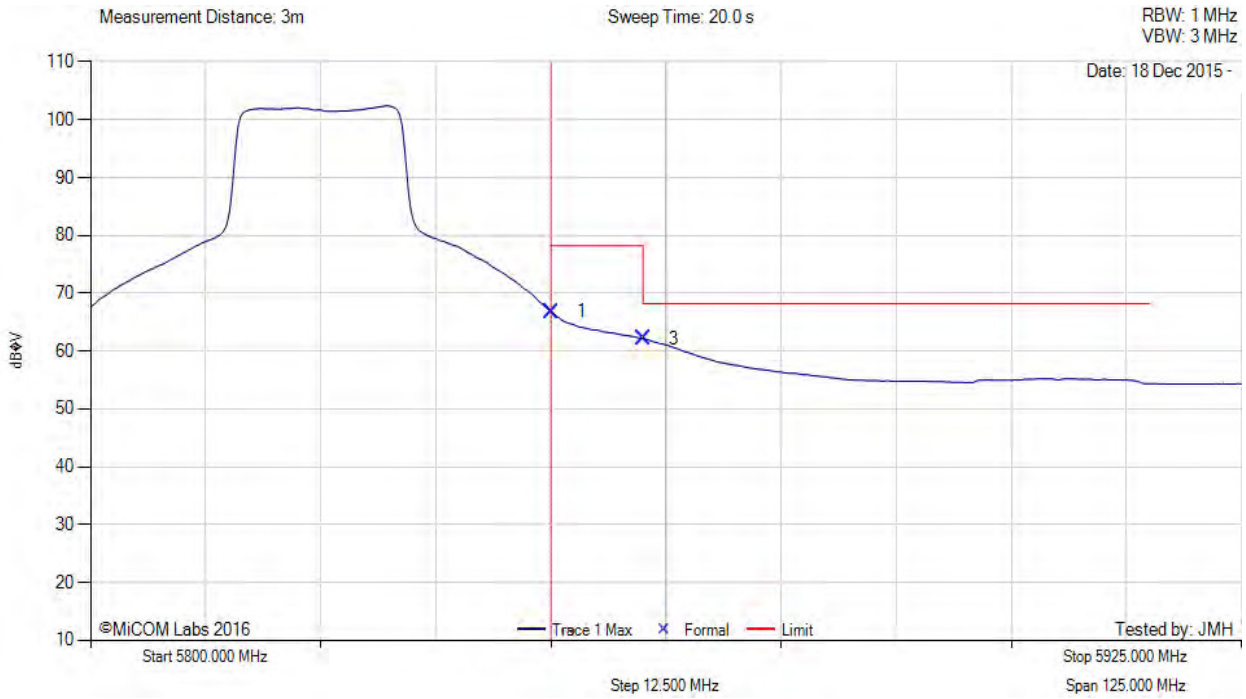
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-1B, Power Setting: 22



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	28.34	3.81	34.63	66.78	Marker	Vertical	145	358	78.2	-11.5	Pass
2	5850.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	
3	5860.00	23.66	3.86	34.65	62.17	Marker	Vertical	145	358	68.2	-6.1	Pass

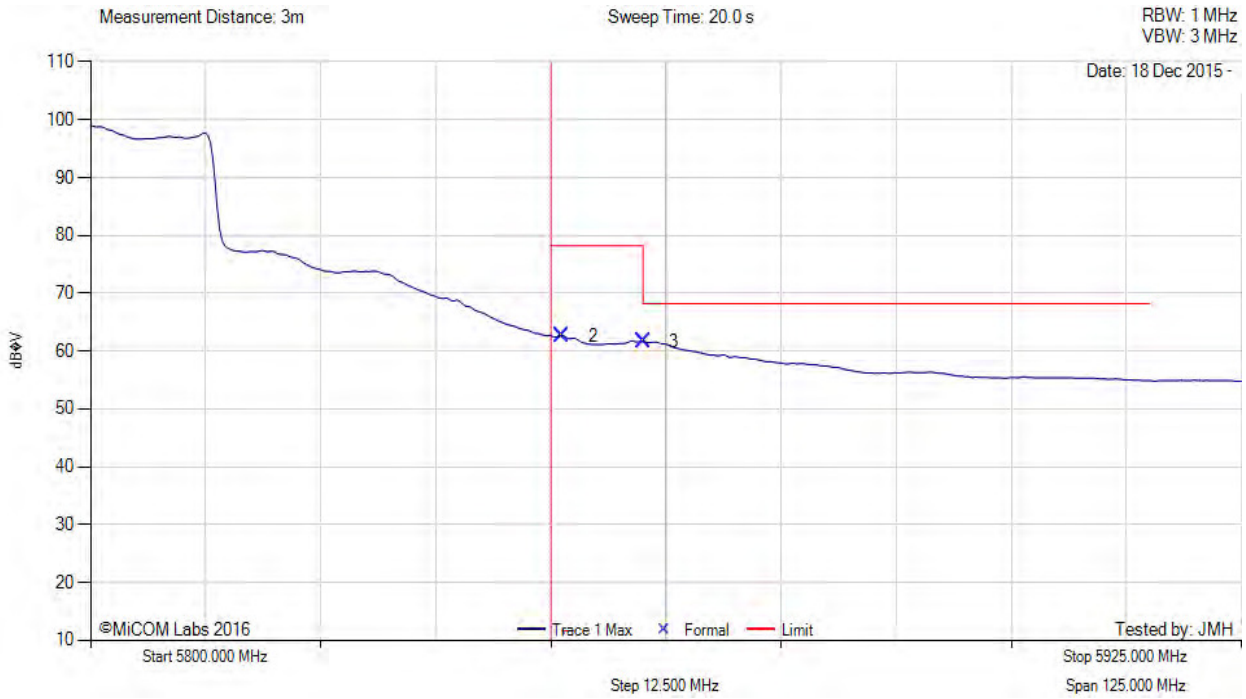
Test Notes: TTest notes

back to matrix

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5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5795.00 MHz, Antenna: Aruba Networks AP-ANT-1B, Power Setting: 22



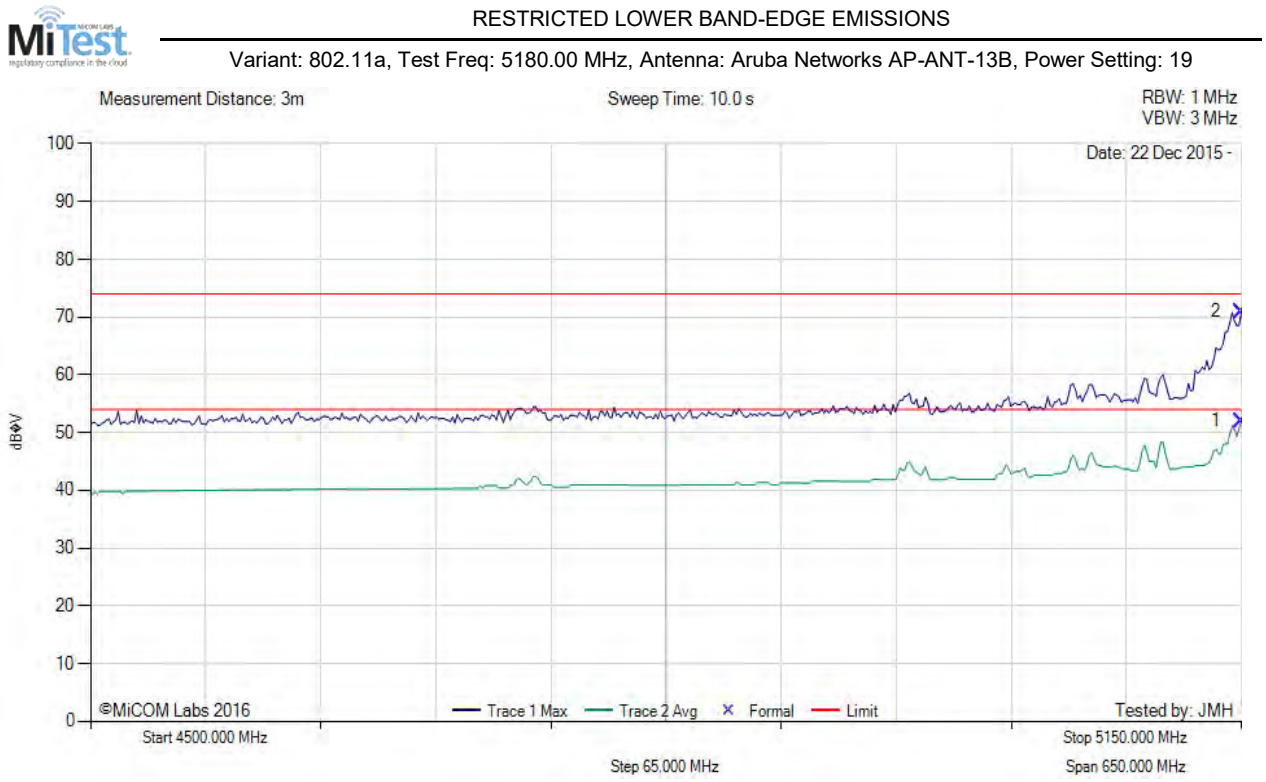
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	
2	5851.25	24.22	3.81	34.63	62.66	Marker	Vertical	145	358	78.2	-15.6	Pass
3	5860.00	23.17	3.86	34.65	61.68	Marker	Vertical	145	358	68.2	-6.6	Pass

Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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A.4.2 Antenna AP-ANT-13B



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	14.21	3.67	34.11	51.99	Max Avg	Vertical	182	340	54.0	-2.0	Pass
2	5150.00	33.16	3.67	34.11	70.94	Max Peak	Vertical	182	340	74.0	-3.1	Pass

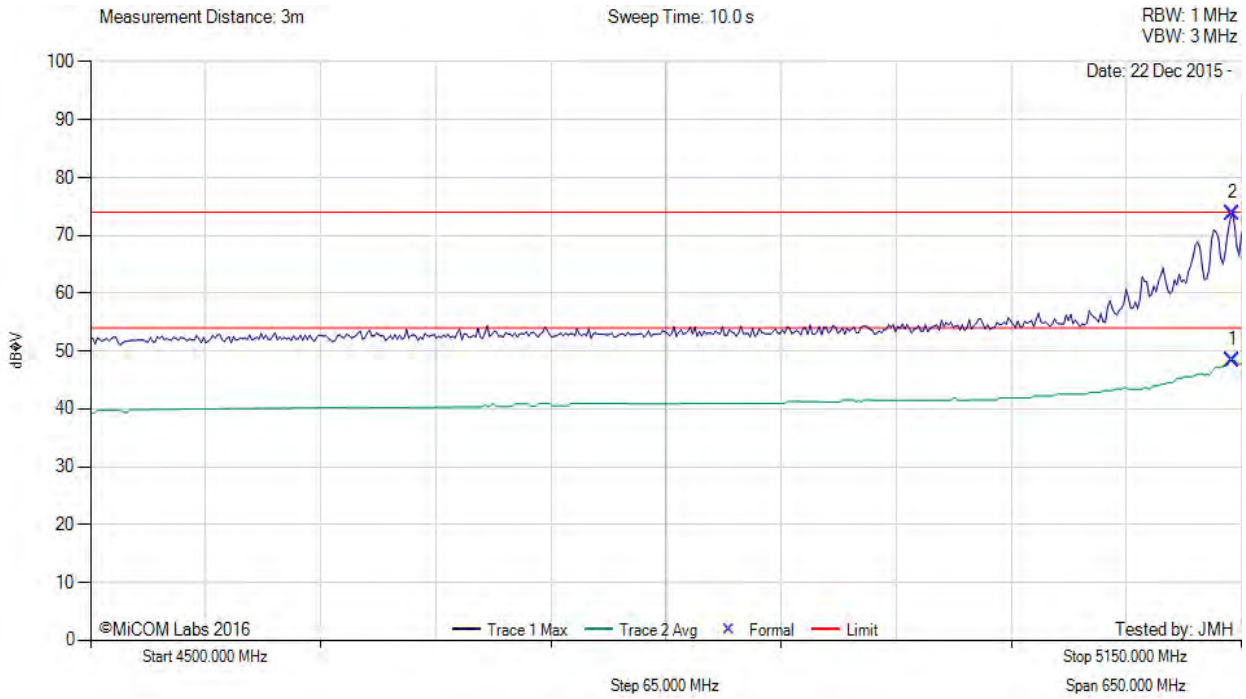
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5210.00 MHz, Antenna: Aruba Networks AP-ANT-13B, Power Setting: 17.5



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	5144.79	10.61	3.69	34.11	48.41	Max Avg	Vertical	182	340	54.0	-5.6	Pass
2	5144.79	36.03	3.69	34.11	73.83	Max Peak	Vertical	182	340	74.0	-0.2	Pass

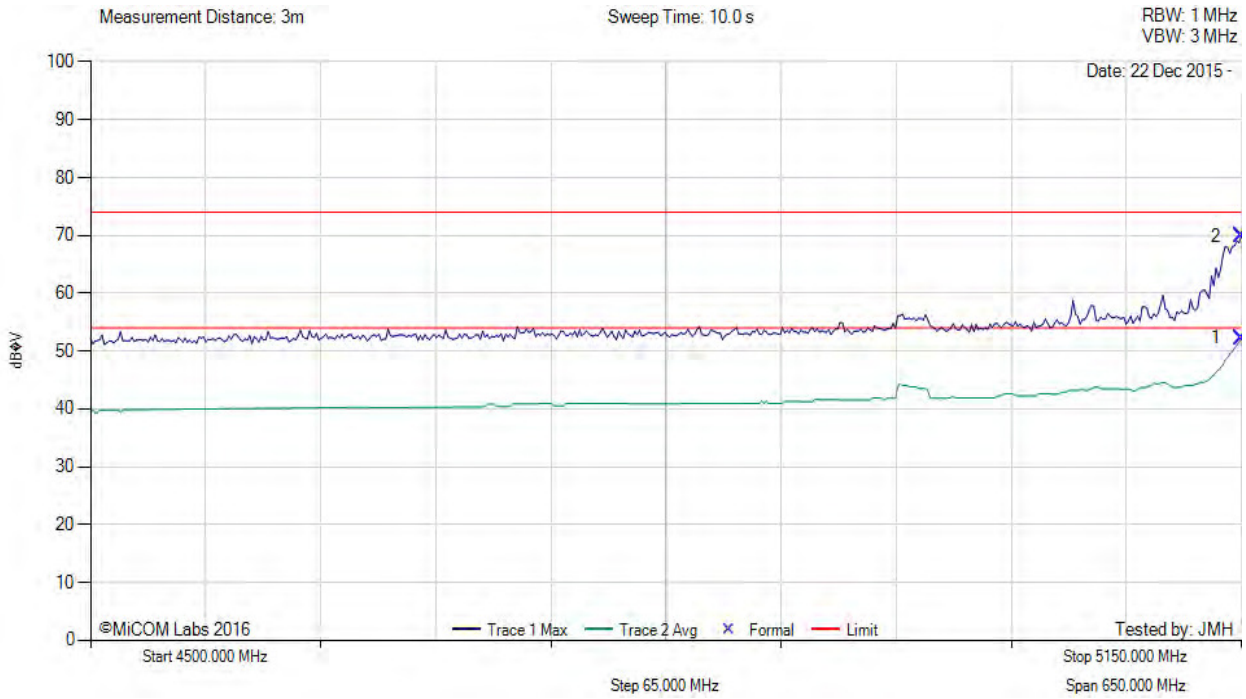
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5180.00 MHz, Antenna: Aruba Networks AP-ANT-13B, Power Setting: 20



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	14.44	3.67	34.11	52.22	Max Avg	Vertical	182	340	54.0	-1.8	Pass
2	5150.00	32.13	3.67	34.11	69.91	Max Peak	Vertical	182	340	74.0	-4.1	Pass

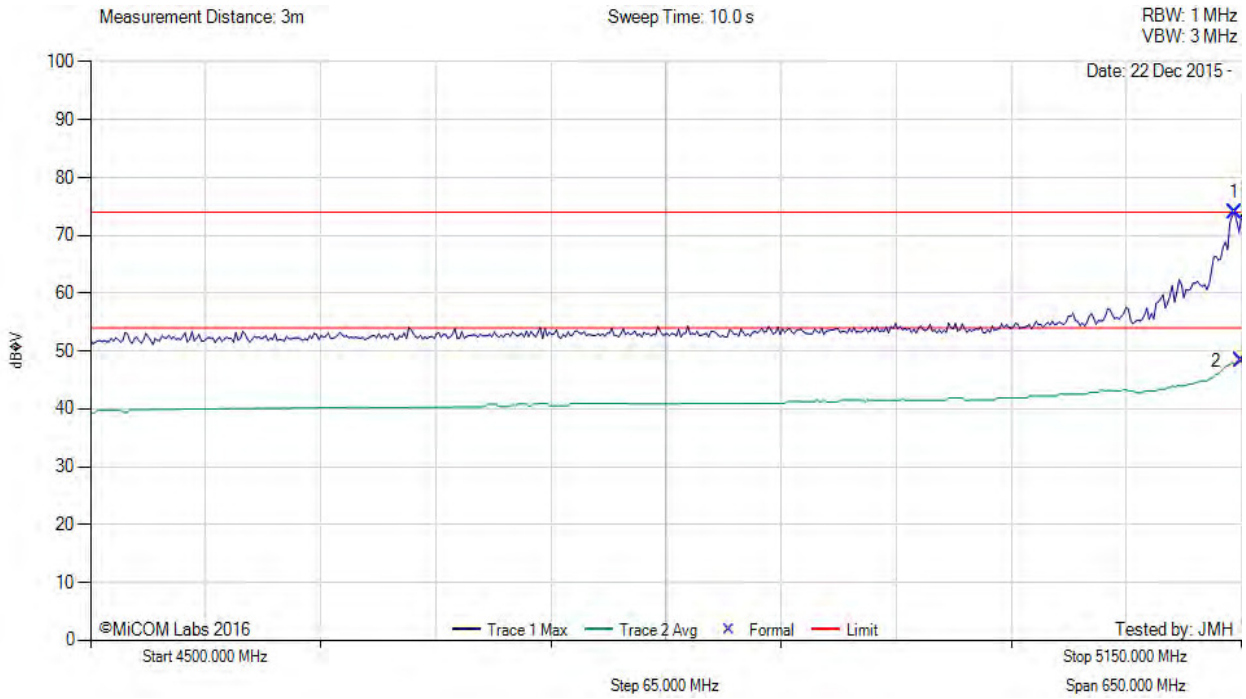
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5190.00 MHz, Antenna: Aruba Networks AP-ANT-13B, Power Setting: 17.5



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	5146.09	36.11	3.69	34.11	73.91	Max Peak	Vertical	182	340	74.0	-0.1	Pass
2	5150.00	10.46	3.67	34.11	48.24	Max Avg	Vertical	182	340	54.0	-5.8	Pass

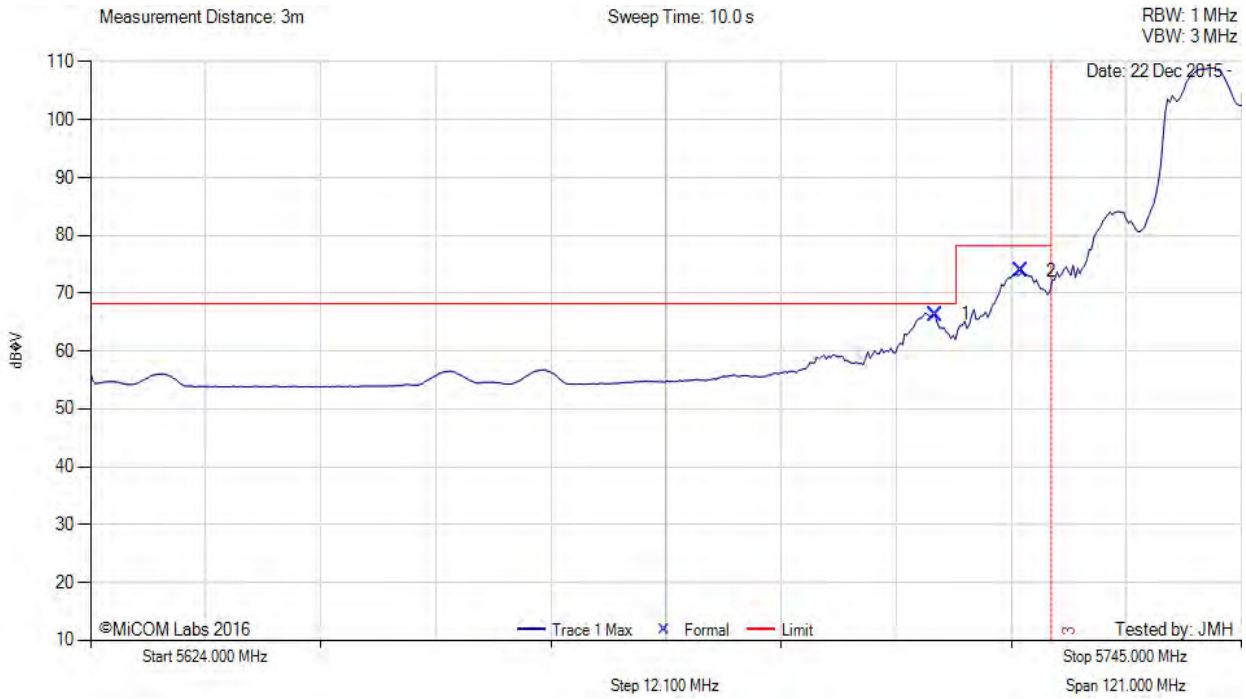
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-13B, Power Setting: 21



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	5712.82	28.21	3.82	34.34	66.37	Marker	Vertical	187	5	68.2	-1.9	Pass
2	5721.85	35.77	3.80	34.35	73.92	Marker	Vertical	187	5	78.2	-4.3	Pass
3	5725.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

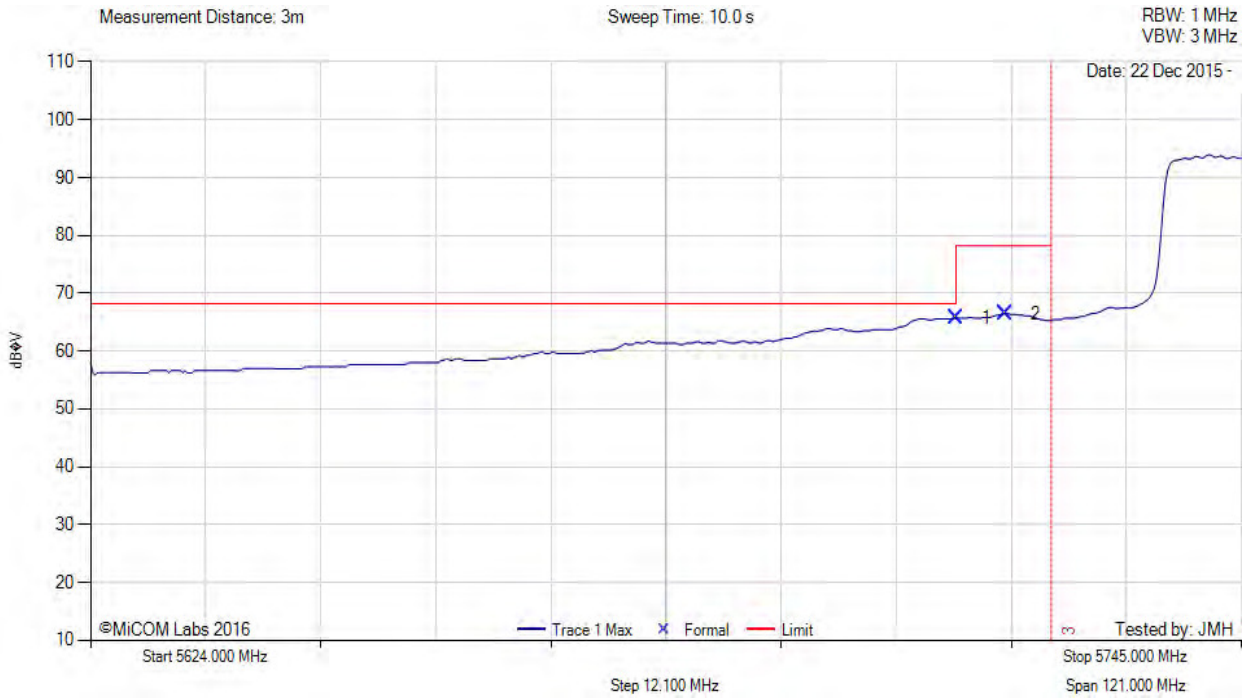
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: Aruba Networks AP-ANT-13B, Power Setting: 21



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	27.54	3.81	34.34	65.69	Marker	Vertical	187	5	68.2	-2.5	Pass
2	5720.15	28.33	3.80	34.35	66.48	Marker	Vertical	187	5	78.2	-11.8	Pass
3	5725.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

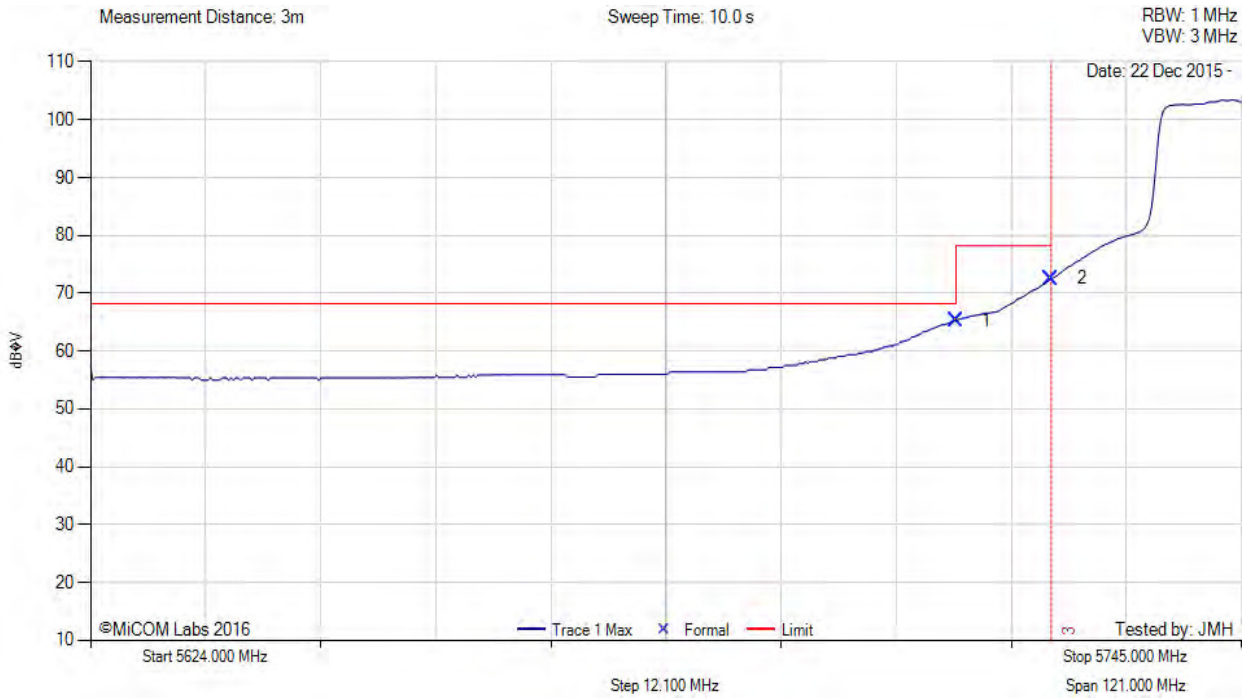
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-13B, Power Setting: 22



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	27.13	3.81	34.34	65.28	Marker	Vertical	187	5	68.2	-3.0	Pass
2	5725.00	34.43	3.79	34.35	72.57	Marker	Vertical	187	5	78.2	-5.7	Pass
3	5725.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

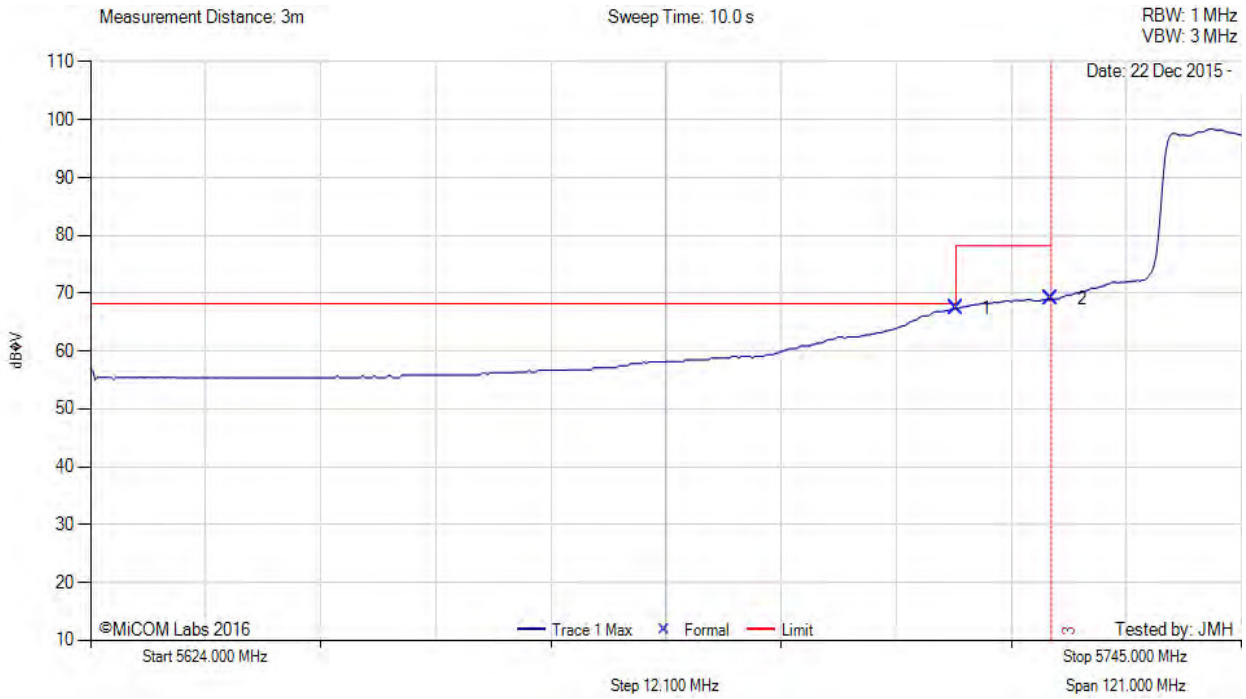
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5755.00 MHz, Antenna: Aruba Networks AP-ANT-13B, Power Setting: 21



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	29.26	3.81	34.34	67.41	Marker	Vertical	187	5	68.2	-0.8	Pass
2	5725.00	30.91	3.79	34.35	69.05	Marker	Vertical	187	5	78.2	-9.2	Pass
3	5725.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

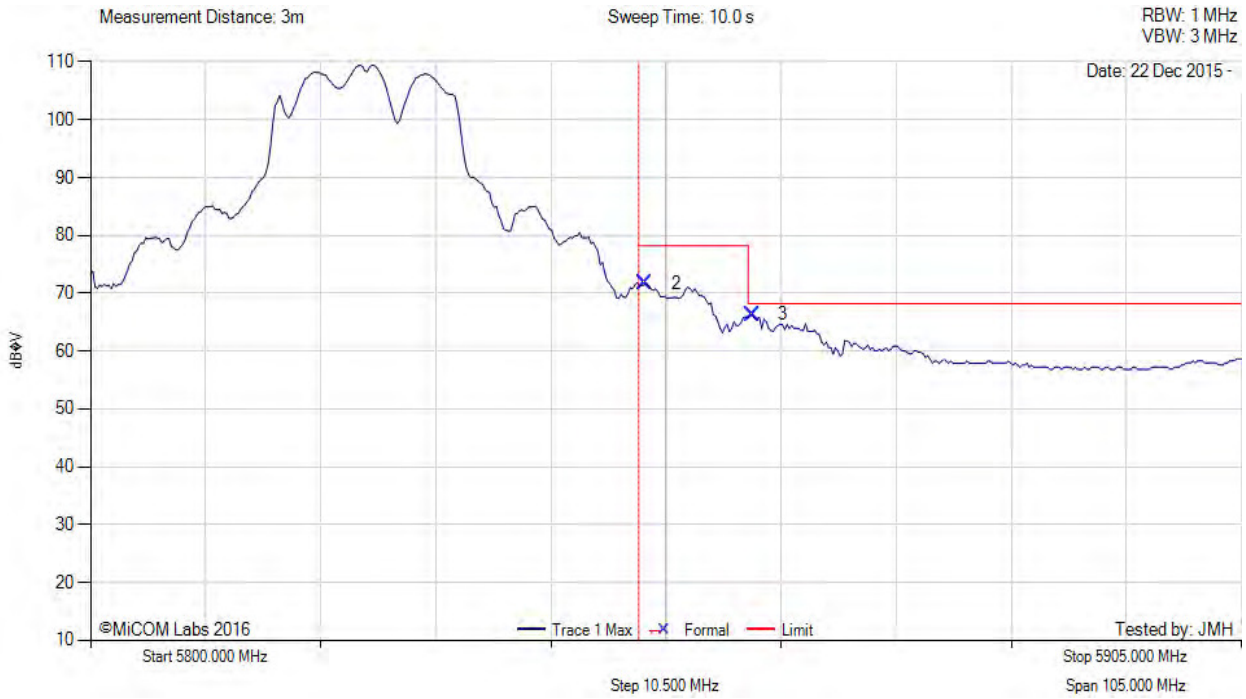
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-13B, Power Setting: 22



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	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	
2	5850.63	33.34	3.81	34.63	71.78	Marker	Vertical	186	346	78.2	-6.5	Pass
3	5860.42	27.82	3.86	34.65	66.33	Marker	Vertical	186	346	68.2	-1.9	Pass

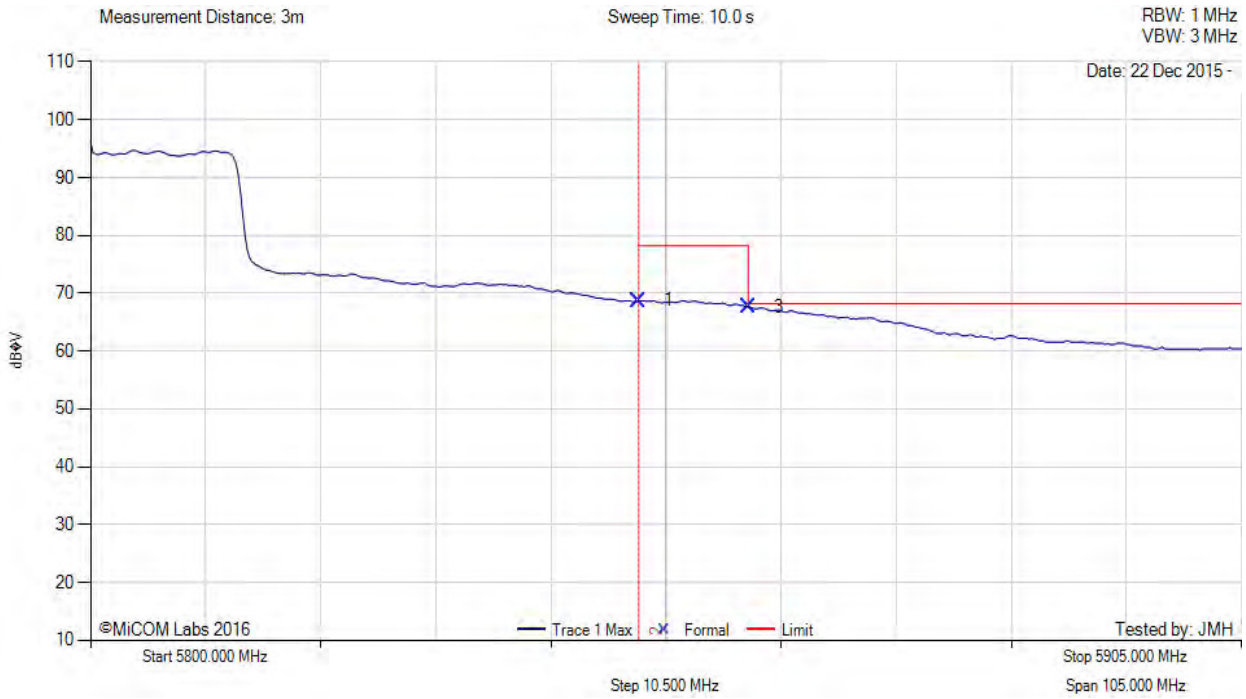
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: Aruba Networks AP-ANT-13B, Power Setting: 22



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	30.26	3.81	34.63	68.70	Marker	Vertical	186	346	78.2	-9.5	Pass
2	5850.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	
3	5860.00	29.16	3.86	34.65	67.67	Marker	Vertical	186	346	68.2	-0.6	Pass

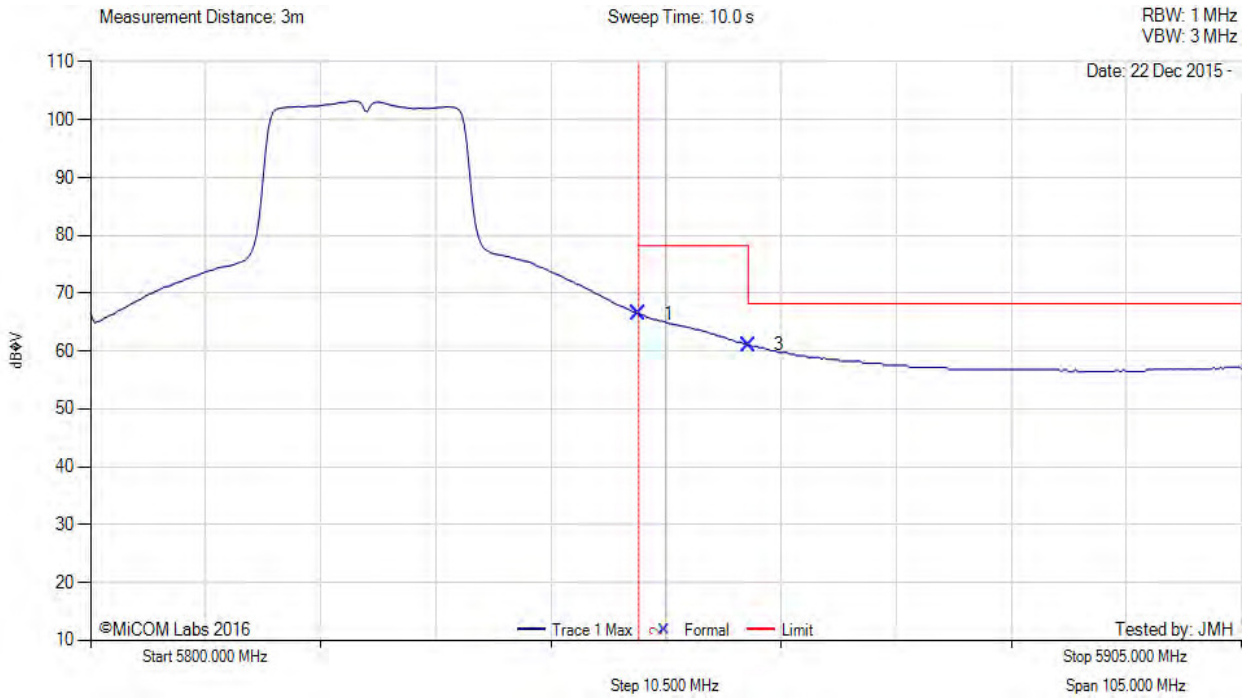
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-13B, Power Setting: 22



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	27.99	3.81	34.63	66.43	Marker	Vertical	186	346	78.2	-11.8	Pass
2	5850.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	
3	5860.00	22.56	3.86	34.65	61.07	Marker	Vertical	186	346	68.2	-7.2	Pass

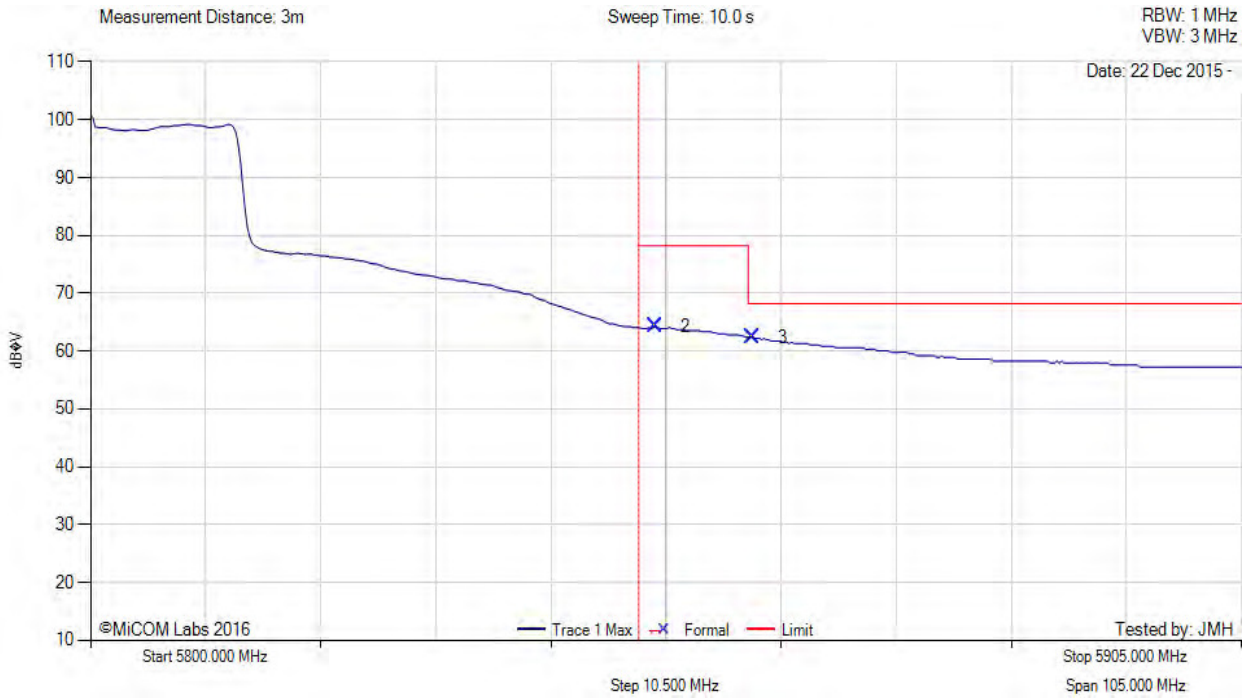
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5795.00 MHz, Antenna: Aruba Networks AP-ANT-13B, Power Setting: 22



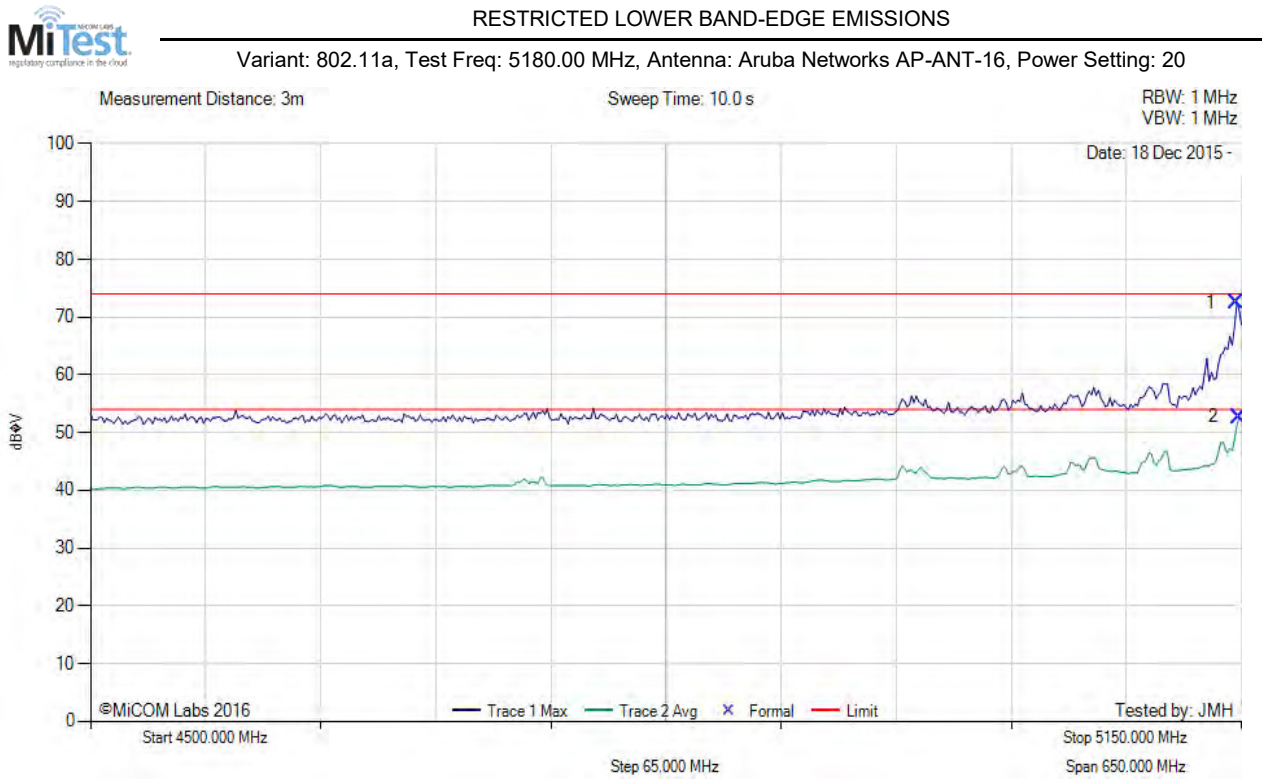
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	
2	5851.47	25.80	3.81	34.63	64.24	Marker	Vertical	186	346	78.2	-14.0	Pass
3	5860.42	23.90	3.86	34.65	62.41	Marker	Vertical	186	346	68.2	-5.8	Pass

Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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A.4.3 Antenna AP-ANT-16



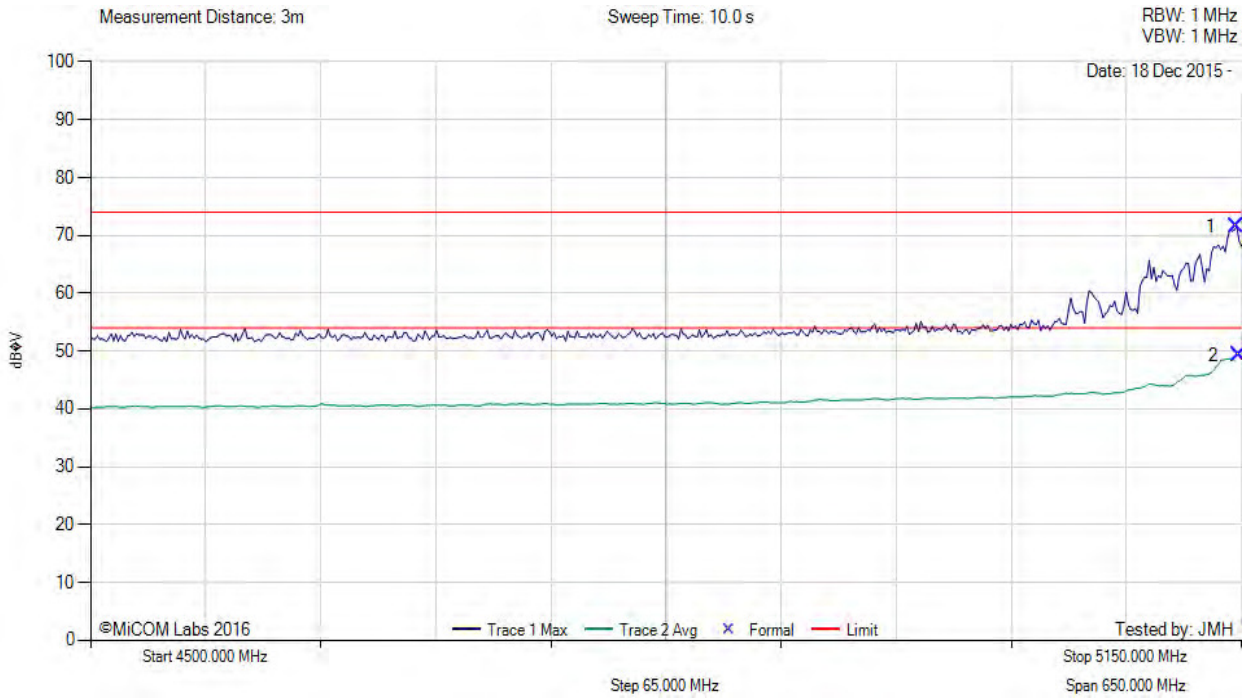
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5147.39	34.70	3.68	34.11	72.49	Max Peak	Horizontal	154	20	74.0	-1.5	Pass
2	5148.70	14.95	3.67	34.11	52.73	Max Avg	Horizontal	154	20	54.0	-1.3	Pass

back to matrix

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5210.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 19



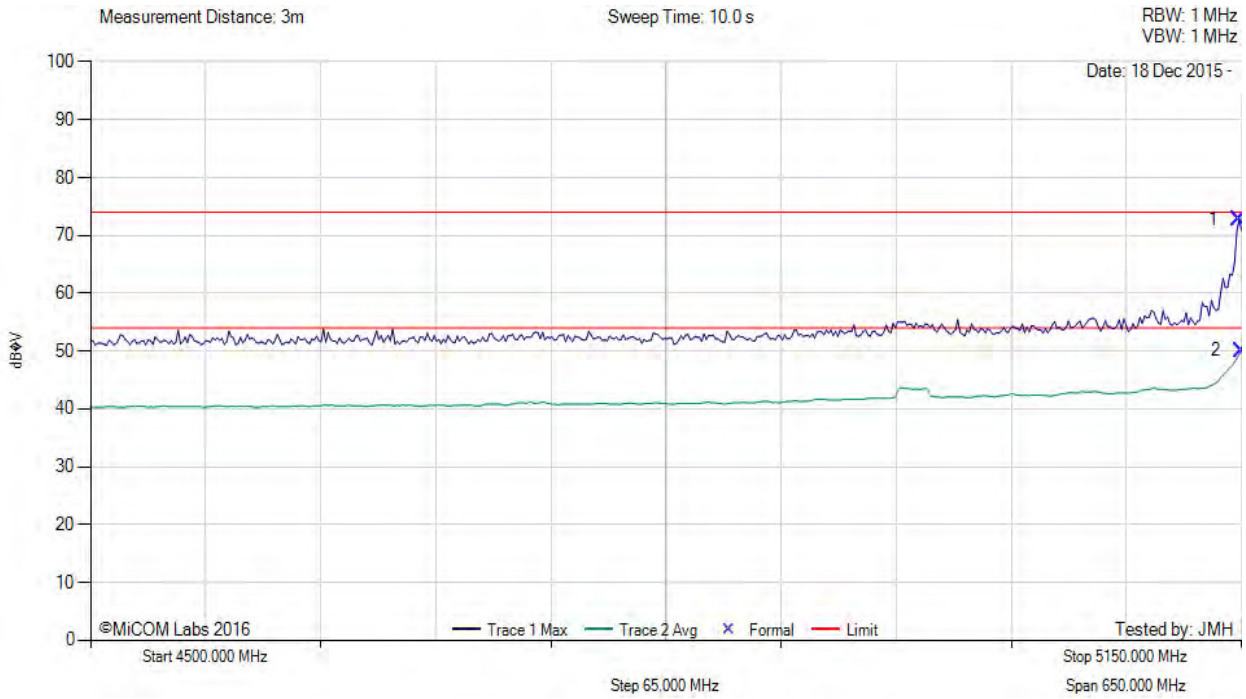
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5147.39	33.75	3.68	34.11	71.54	Max Peak	Horizontal	154	20	74.0	-2.5	Pass
2	5148.70	11.55	3.67	34.11	49.33	Max Avg	Horizontal	154	20	54.0	-4.7	Pass

back to matrix

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5180.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 21



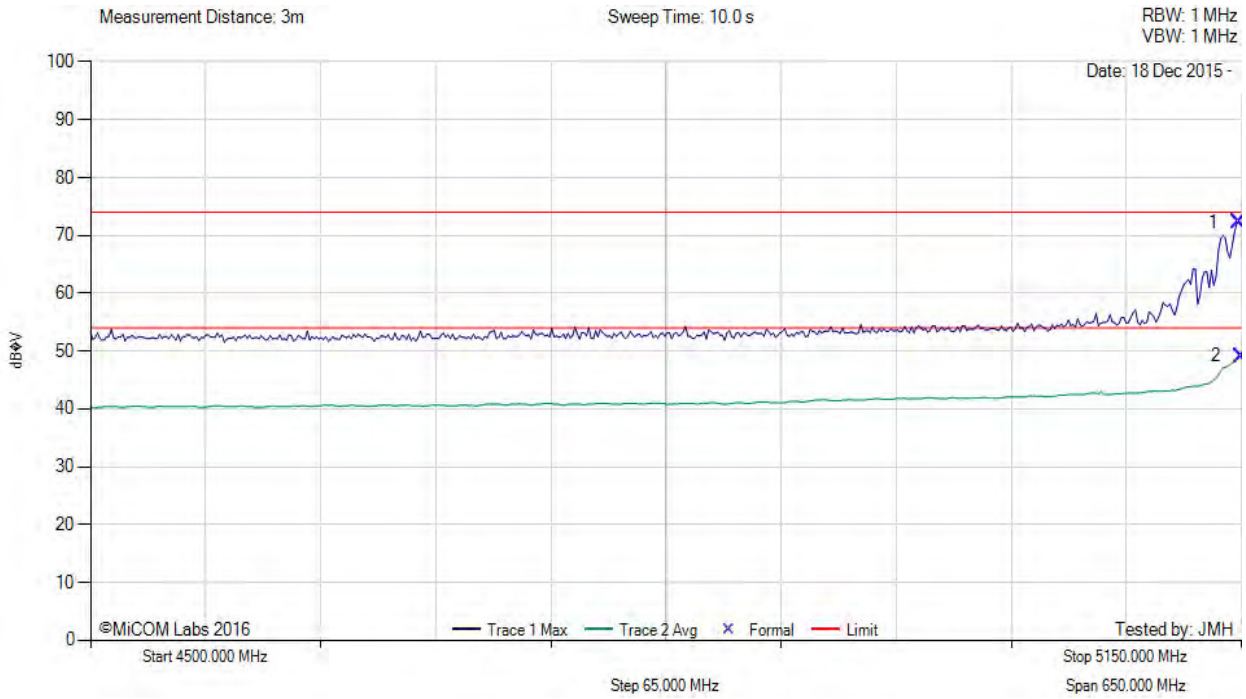
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5148.70	34.96	3.67	34.11	72.74	Max Peak	Horizontal	154	20	74.0	-1.3	Pass
2	5150.00	12.28	3.67	34.11	50.06	Max Avg	Horizontal	154	20	54.0	-3.9	Pass

back to matrix

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5190.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 19



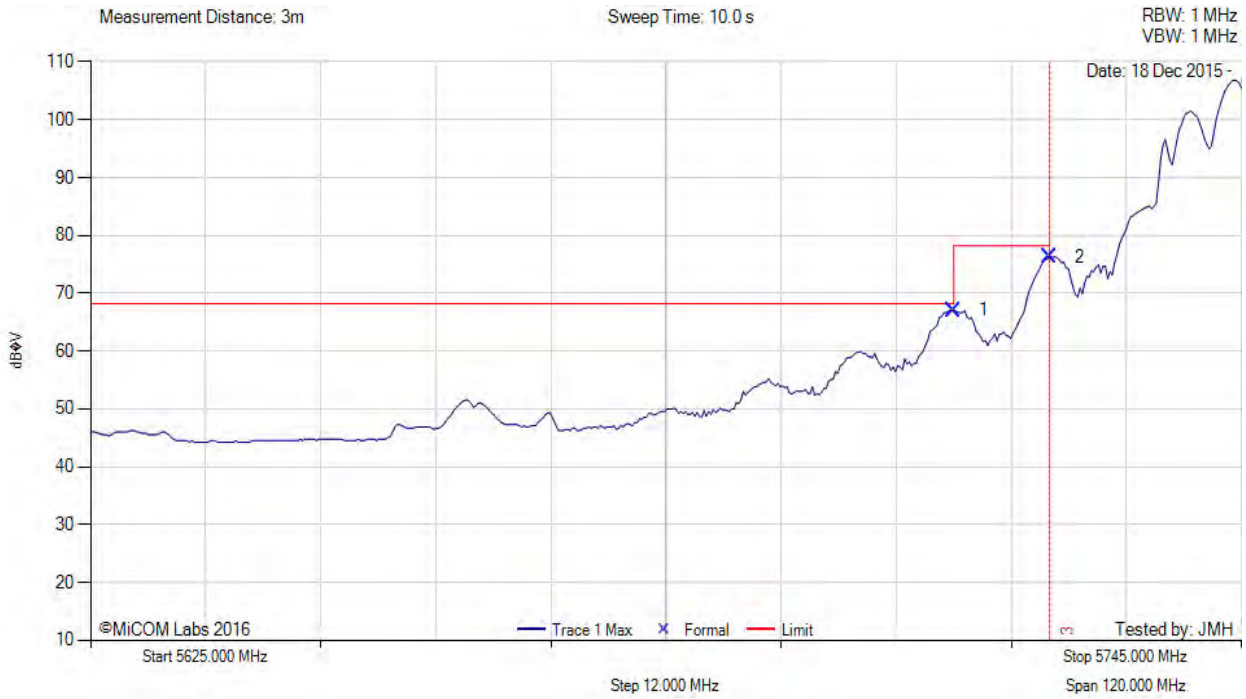
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5148.70	34.47	3.67	34.11	72.25	Max Peak	Horizontal	154	20	74.0	-1.8	Pass
2	5150.00	11.36	3.67	34.11	49.14	Max Avg	Horizontal	154	20	54.0	-4.9	Pass

back to matrix

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5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 22



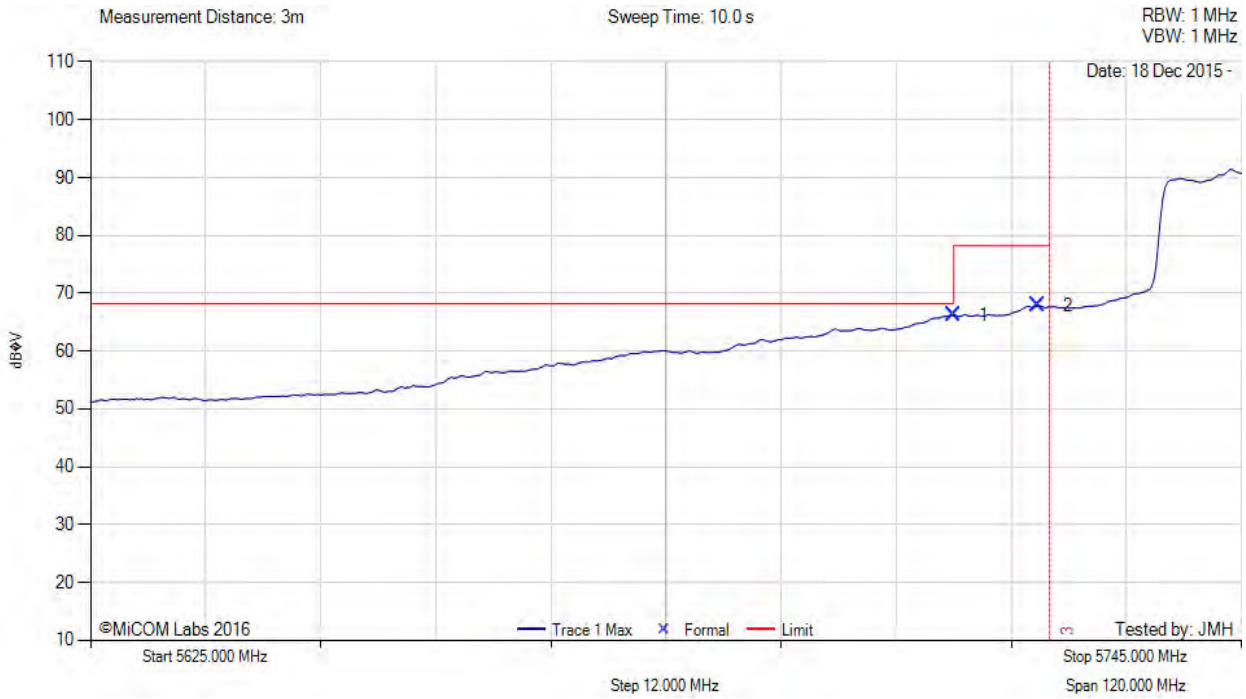
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5714.94	28.93	3.81	34.34	67.08	Marker	Horizontal	128	71	68.2	-1.2	Pass
2	5725.00	38.09	3.79	34.35	76.23	Marker	Horizontal	128	71	78.2	-2.0	Pass
3	5725.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

back to matrix

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5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 22



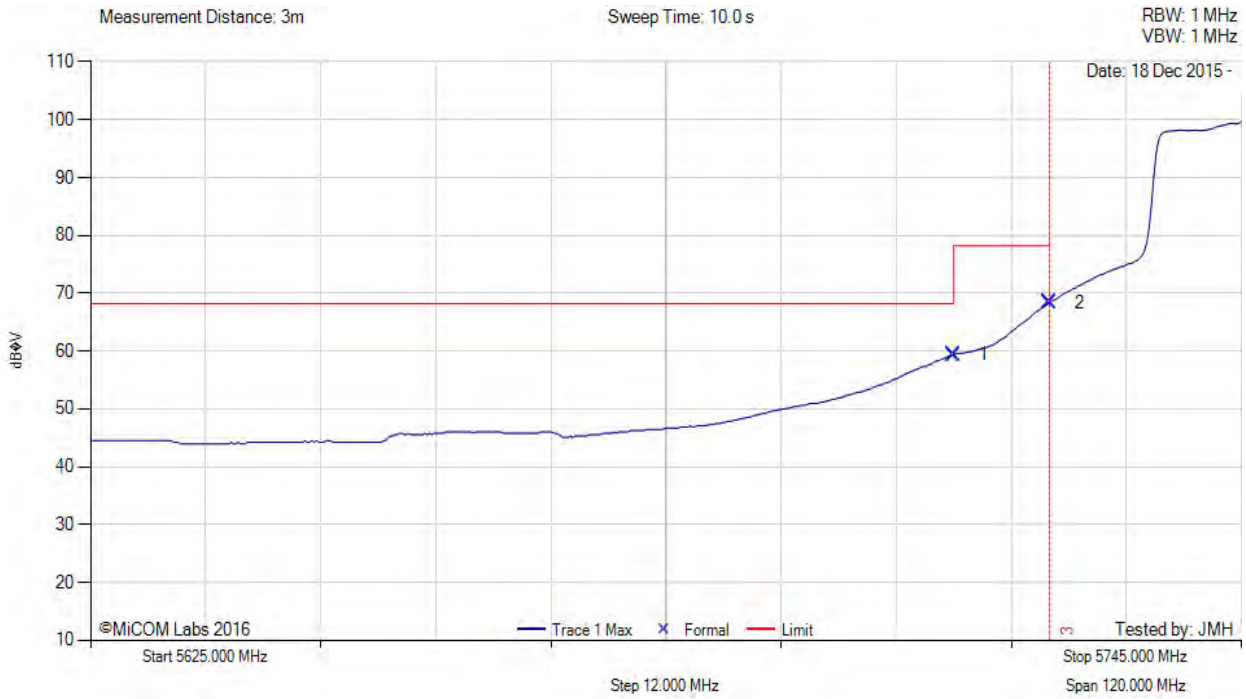
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5715.00	28.04	3.81	34.34	66.19	Marker	Horizontal	156	8	68.2	-2.0	Pass
2	5723.80	29.74	3.79	34.35	67.88	Marker	Horizontal	156	8	78.2	-10.4	Pass
3	5725.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

back to matrix

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5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 22



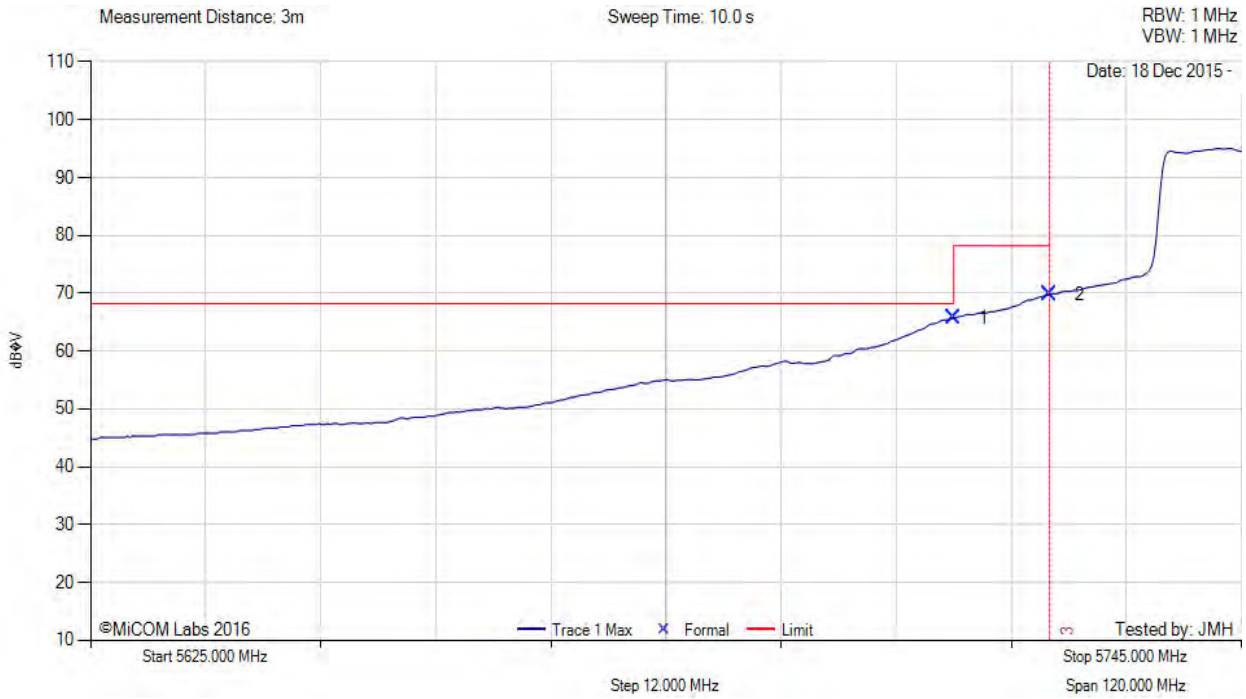
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5715.00	21.24	3.81	34.34	59.39	Marker	Horizontal	128	71	68.2	-8.8	Pass
2	5725.00	30.24	3.79	34.35	68.38	Marker	Horizontal	128	71	78.2	-9.9	Pass
3	5725.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

back to matrix

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5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5755.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 22



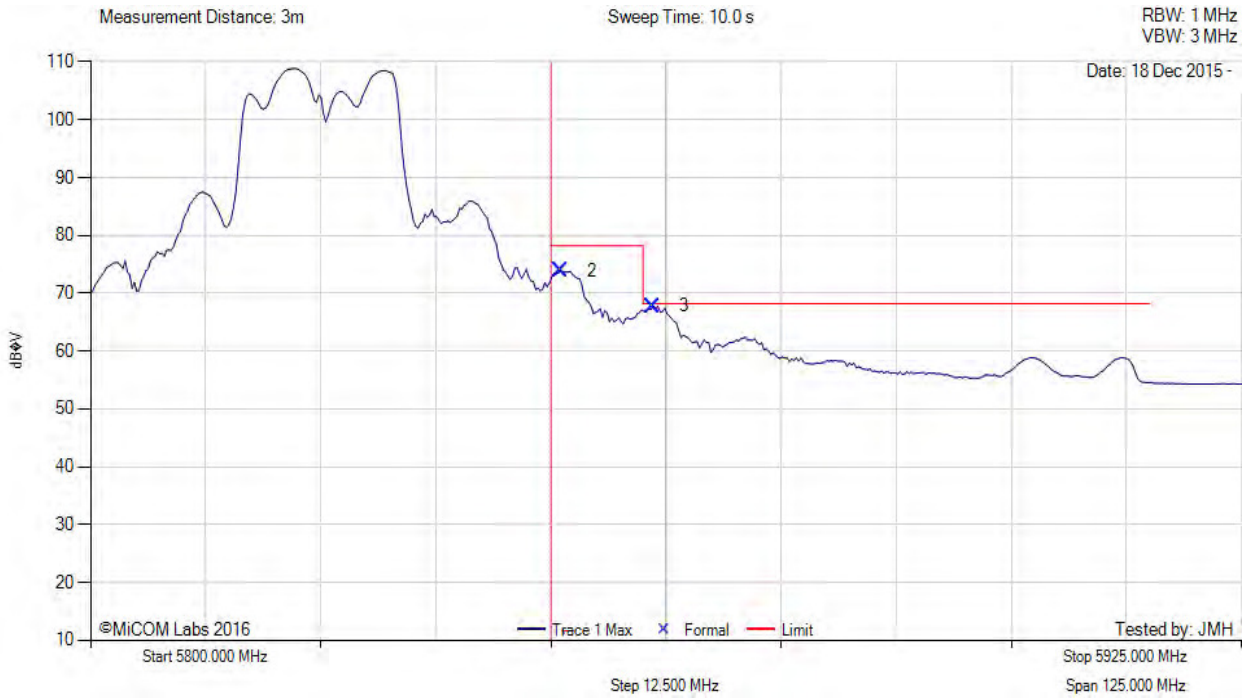
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5715.00	27.55	3.81	34.34	65.70	Marker	Horizontal	128	71	68.2	-2.5	Pass
2	5725.00	31.67	3.79	34.35	69.81	Marker	Horizontal	128	71	78.2	-8.4	Pass
3	5725.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

back to matrix

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5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 22



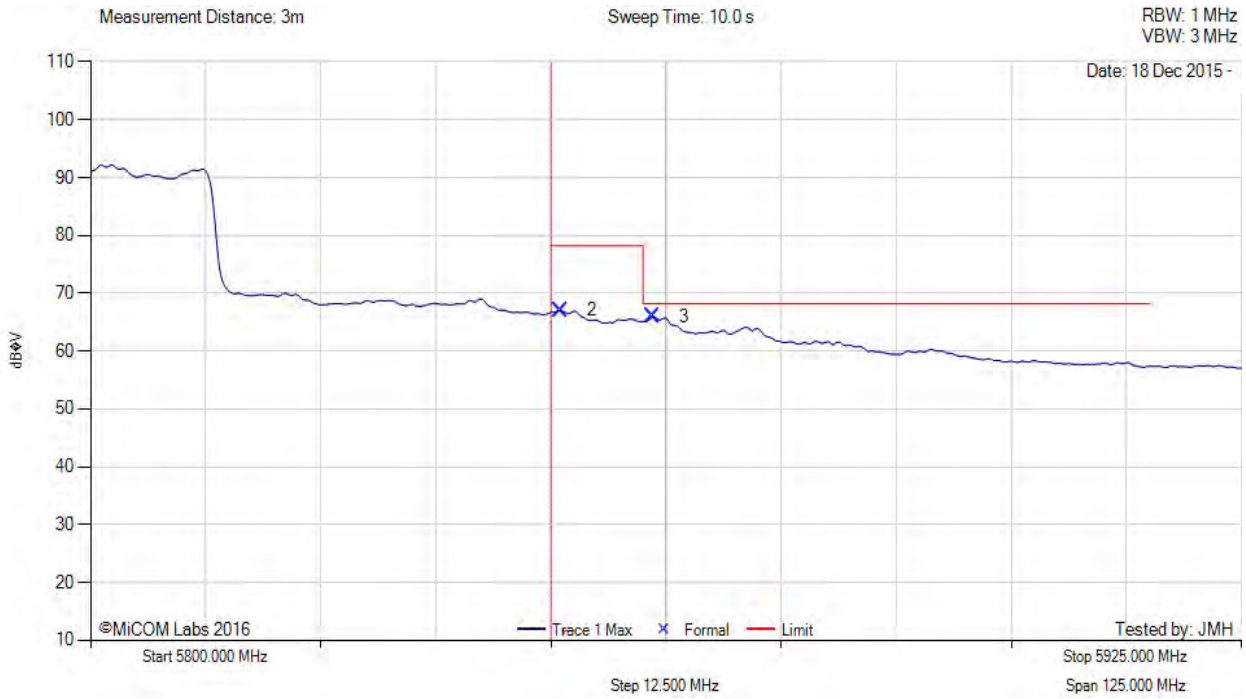
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	
2	5851.10	35.51	3.81	34.63	73.95	Marker	Horizontal	177	52	78.2	-4.3	Pass
3	5861.12	29.29	3.86	34.66	67.81	Marker	Horizontal	177	52	68.2	-0.4	Pass

back to matrix

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5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 22



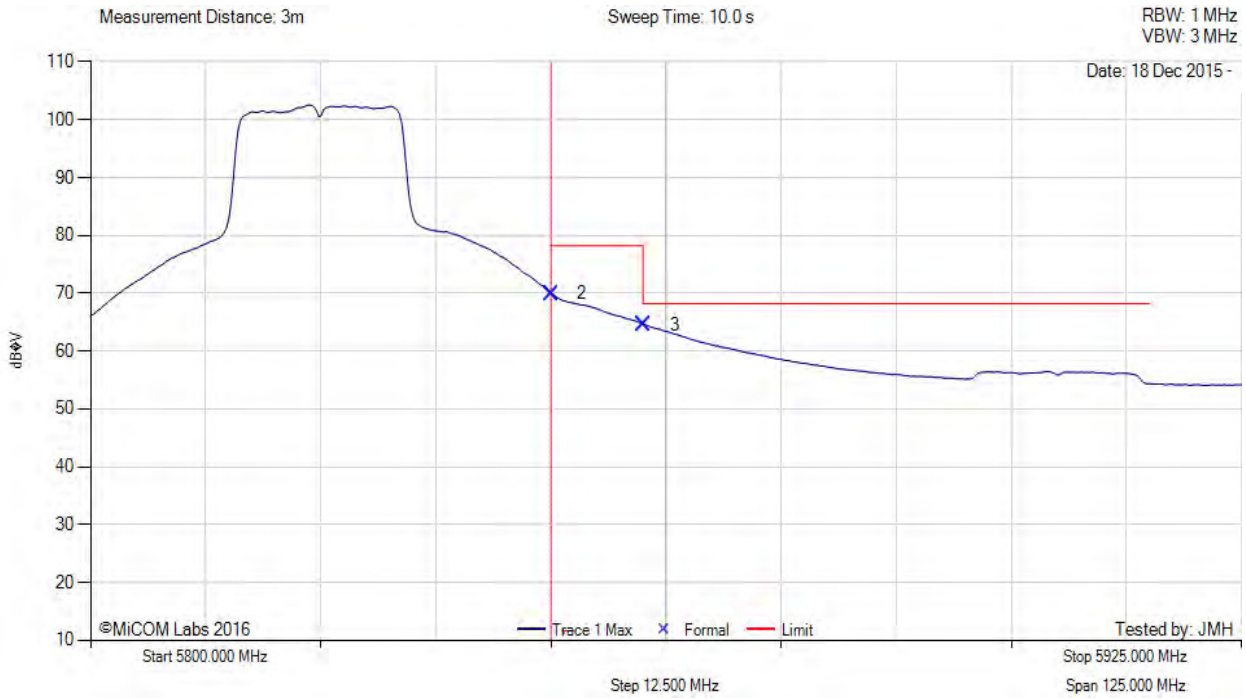
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	
2	5851.10	28.62	3.81	34.63	67.06	Marker	Horizontal	177	52	78.2	-11.2	Pass
3	5861.12	27.43	3.86	34.66	65.95	Marker	Horizontal	177	52	68.2	-2.3	Pass

back to matrix

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5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 22



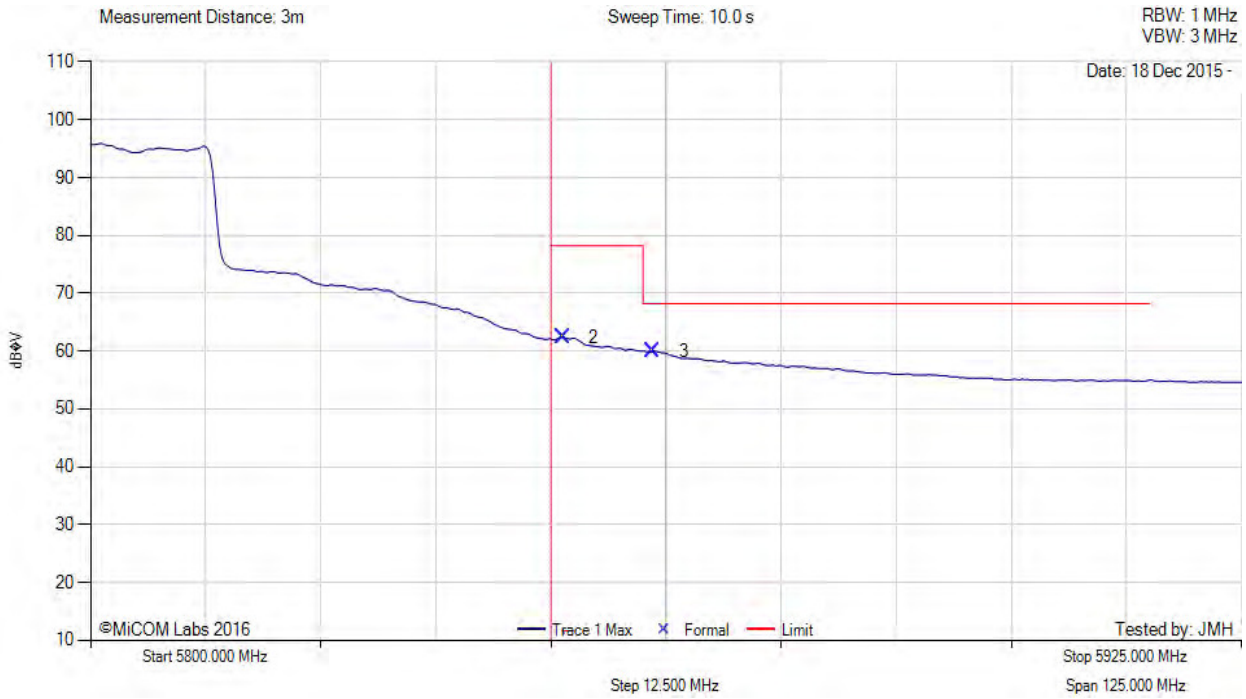
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	
2	5850.10	31.49	3.81	34.63	69.93	Marker	Horizontal	177	52	78.2	-8.3	Pass
3	5860.12	26.09	3.86	34.65	64.60	Marker	Horizontal	177	52	68.2	-3.6	Pass

back to matrix

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5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5795.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 22

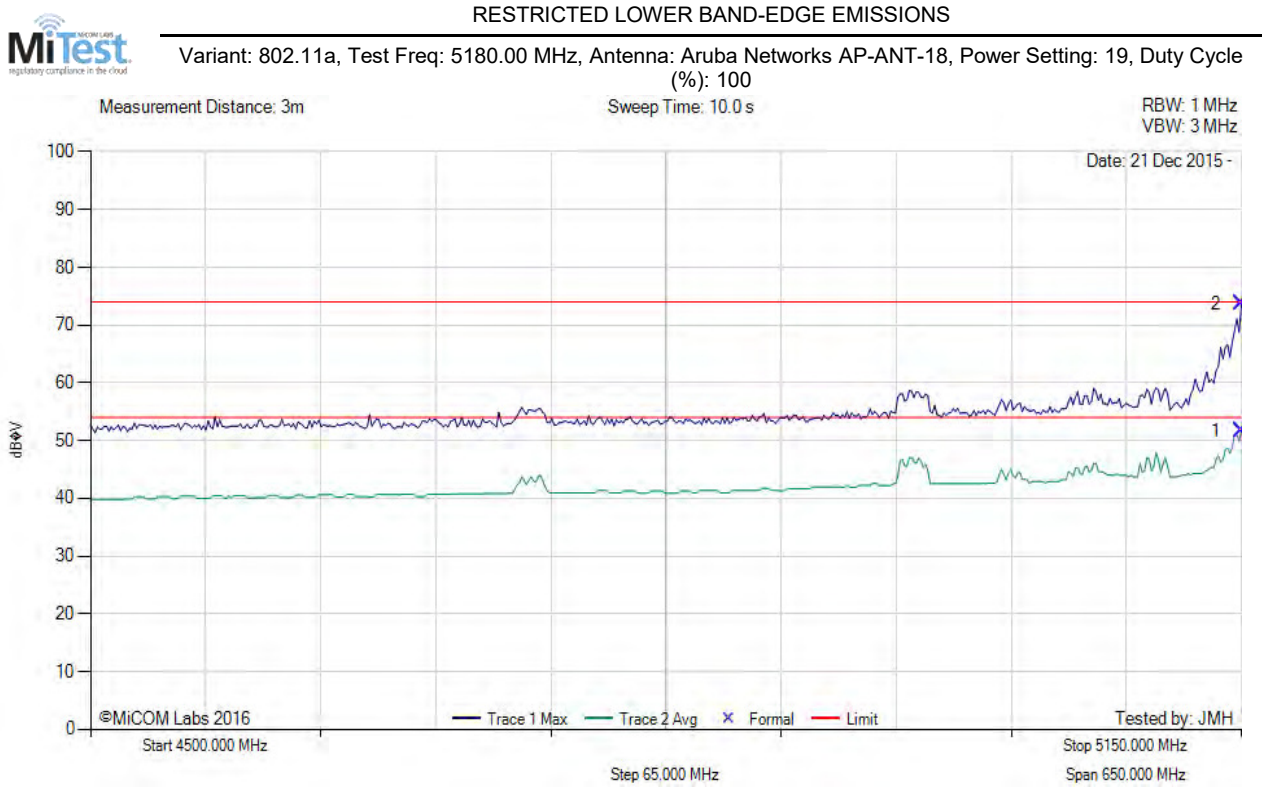


Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	
2	5851.35	24.01	3.81	34.63	62.45	Marker	Horizontal	177	52	78.2	-15.8	Pass
3	5861.12	21.50	3.86	34.66	60.02	Marker	Horizontal	177	52	68.2	-8.2	Pass

back to matrix

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A.4.4 Antenna AP-ANT-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	5150.00	13.87	3.67	34.11	51.65	Max Avg	Vertical	151	23	54.0	-2.4	Pass
2	5150.00	35.95	3.67	34.11	73.73	Max Peak	Vertical	151	23	74.0	-0.3	Pass

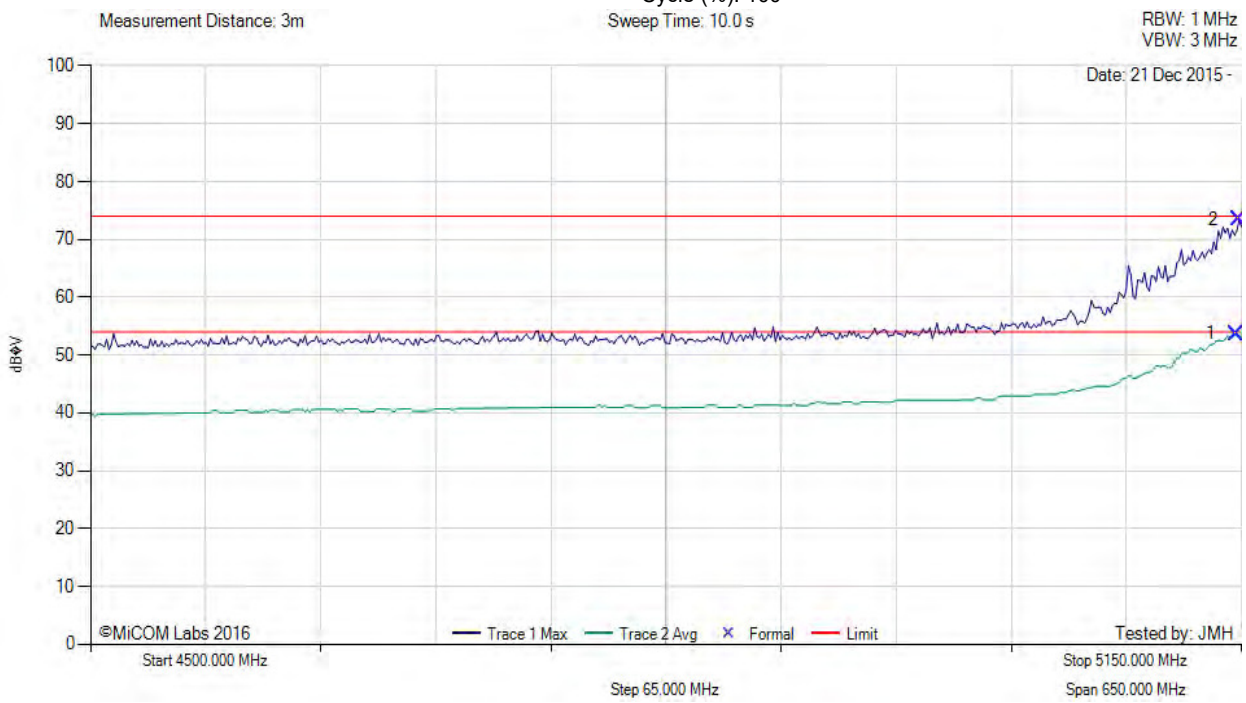
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5210.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 18, Duty Cycle (%): 100



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	5147.39	15.93	3.68	34.11	53.72	Max Avg	Vertical	151	23	54.0	-0.3	Pass
2	5148.70	35.61	3.67	34.11	73.39	Max Peak	Vertical	151	23	74.0	-0.6	Pass

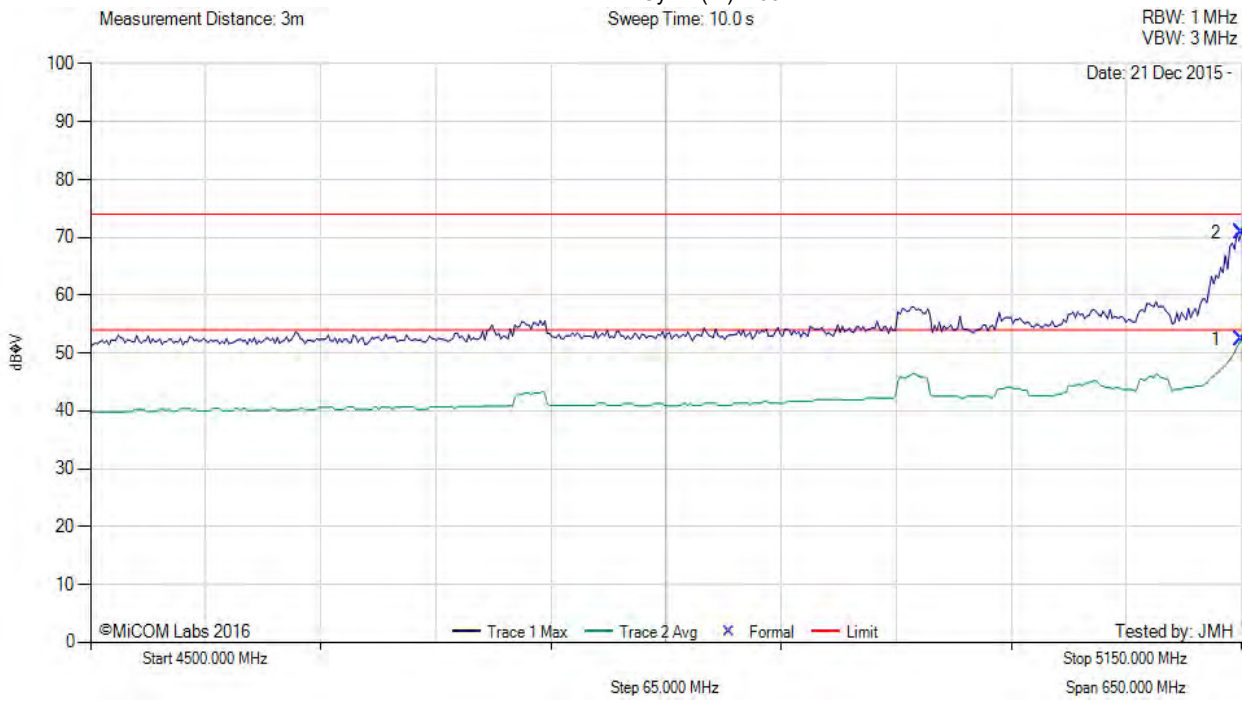
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5180.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 19, Duty Cycle (%): 100



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	14.65	3.67	34.11	52.43	Max Avg	Vertical	151	23	54.0	-1.6	Pass
2	5150.00	33.10	3.67	34.11	70.88	Max Peak	Vertical	151	23	74.0	-3.1	Pass

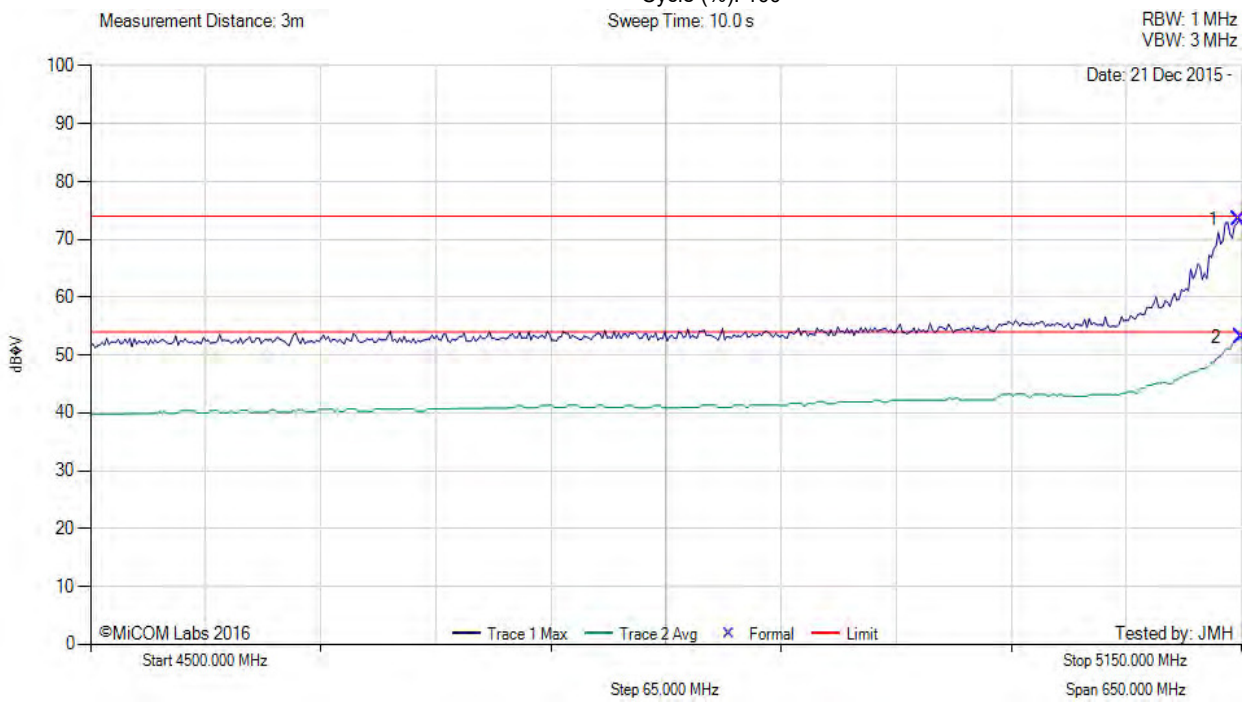
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5190.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 18, Duty Cycle (%): 100



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	5148.70	35.63	3.67	34.11	73.41	Max Peak	Vertical	151	23	74.0	-0.6	Pass
2	5150.00	15.27	3.67	34.11	53.05	Max Avg	Vertical	151	23	54.0	-1.0	Pass

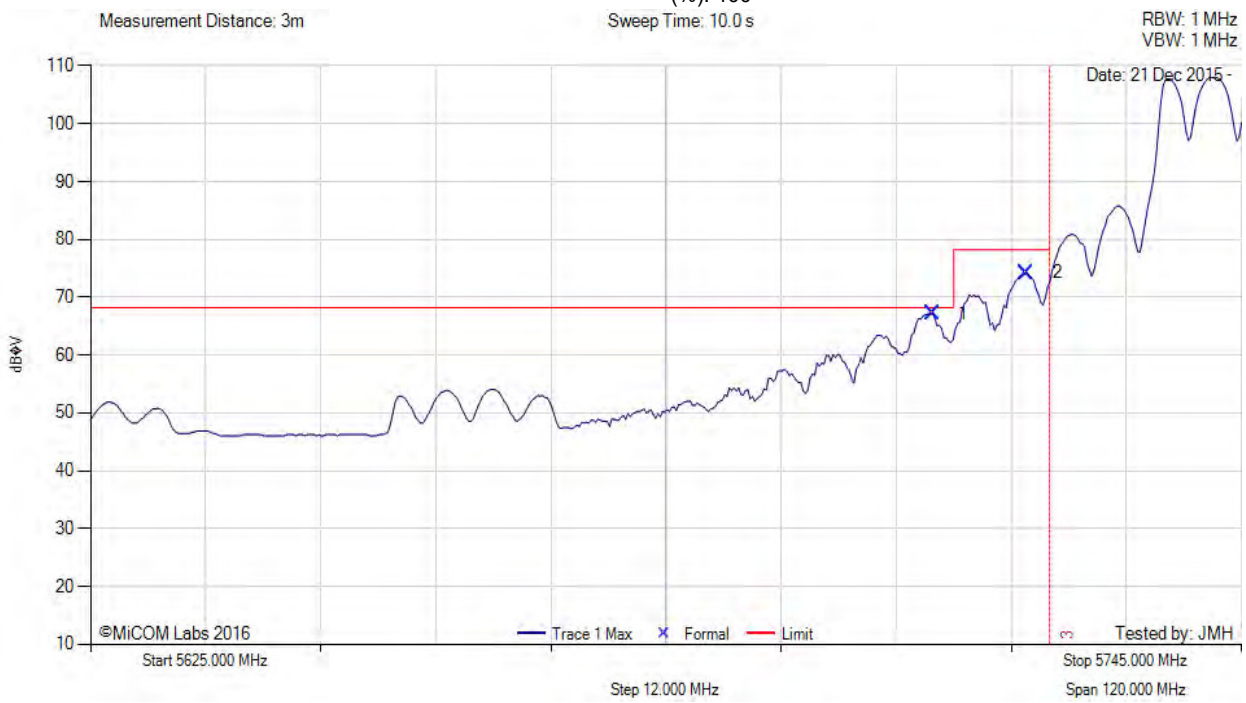
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 22, Duty Cycle (%): 100



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	5712.84	29.00	3.82	34.34	67.16	Marker	Vertical	168	355	68.2	-1.1	Pass
2	5722.60	36.13	3.80	34.35	74.28	Marker	Vertical	168	355	78.2	-4.0	Pass
3	5725.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

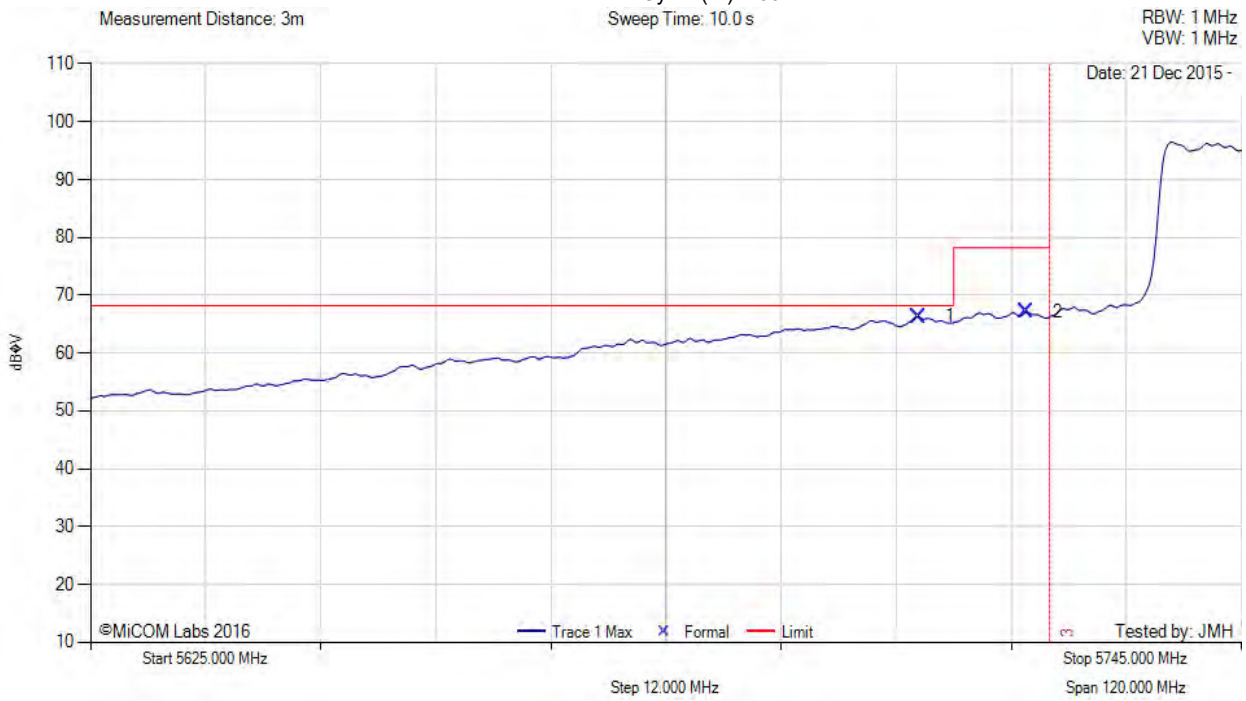
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 20, Duty Cycle (%): 100



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	5711.39	28.15	3.83	34.34	66.32	Marker	Vertical	168	355	68.2	-1.9	Pass
2	5722.60	28.97	3.80	34.35	67.12	Marker	Vertical	168	355	78.2	-11.1	Pass
3	5725.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

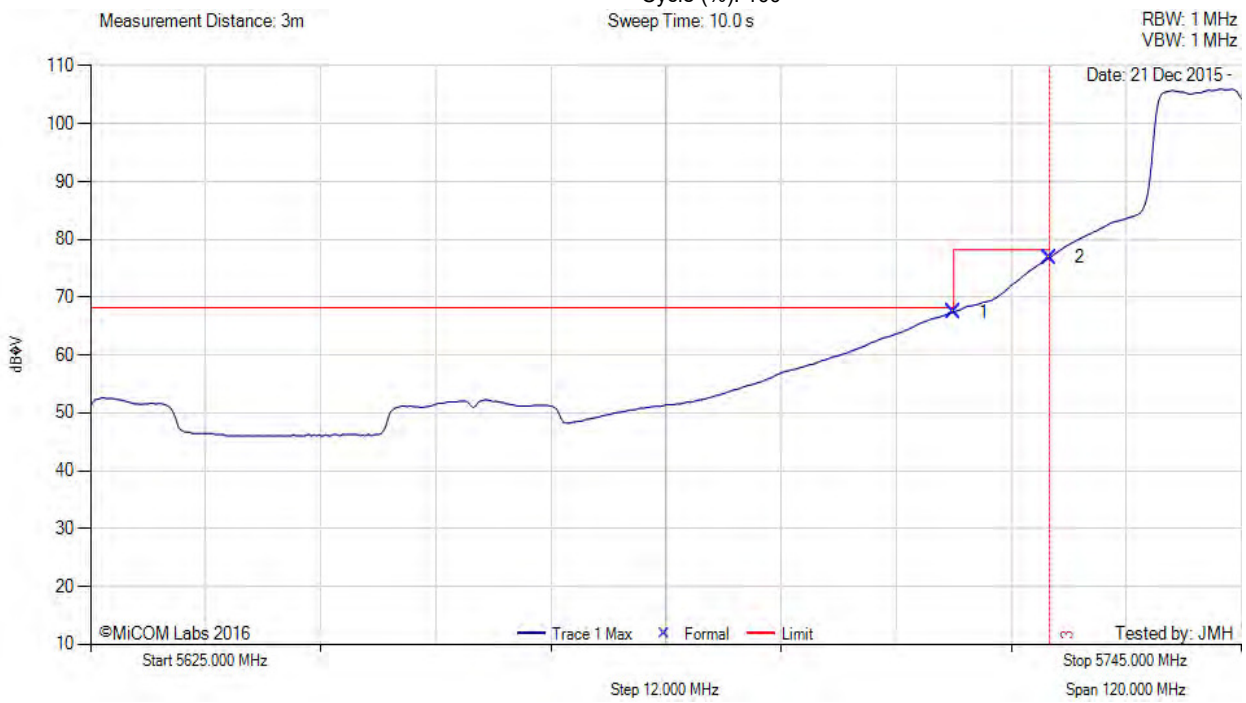
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 22, Duty Cycle (%): 100



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	29.25	3.81	34.34	67.40	Marker	Vertical	168	355	68.2	-0.8	Pass
2	5725.00	38.75	3.79	34.35	76.89	Marker	Vertical	168	355	78.2	-1.3	Pass
3	5725.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

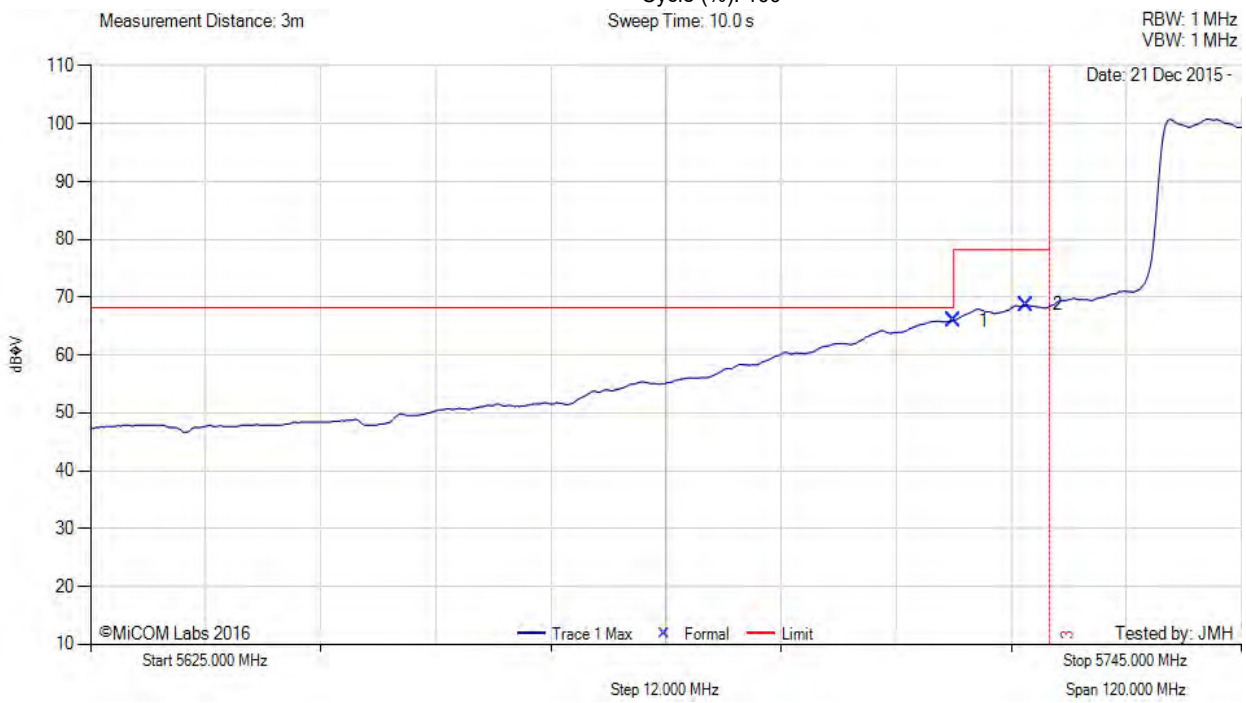
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5755.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 20, Duty Cycle (%): 100



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	27.86	3.81	34.34	66.01	Marker	Vertical	168	355	68.2	-2.2	Pass
2	5722.60	30.54	3.80	34.35	68.69	Marker	Vertical	168	355	78.2	-9.5	Pass
3	5725.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

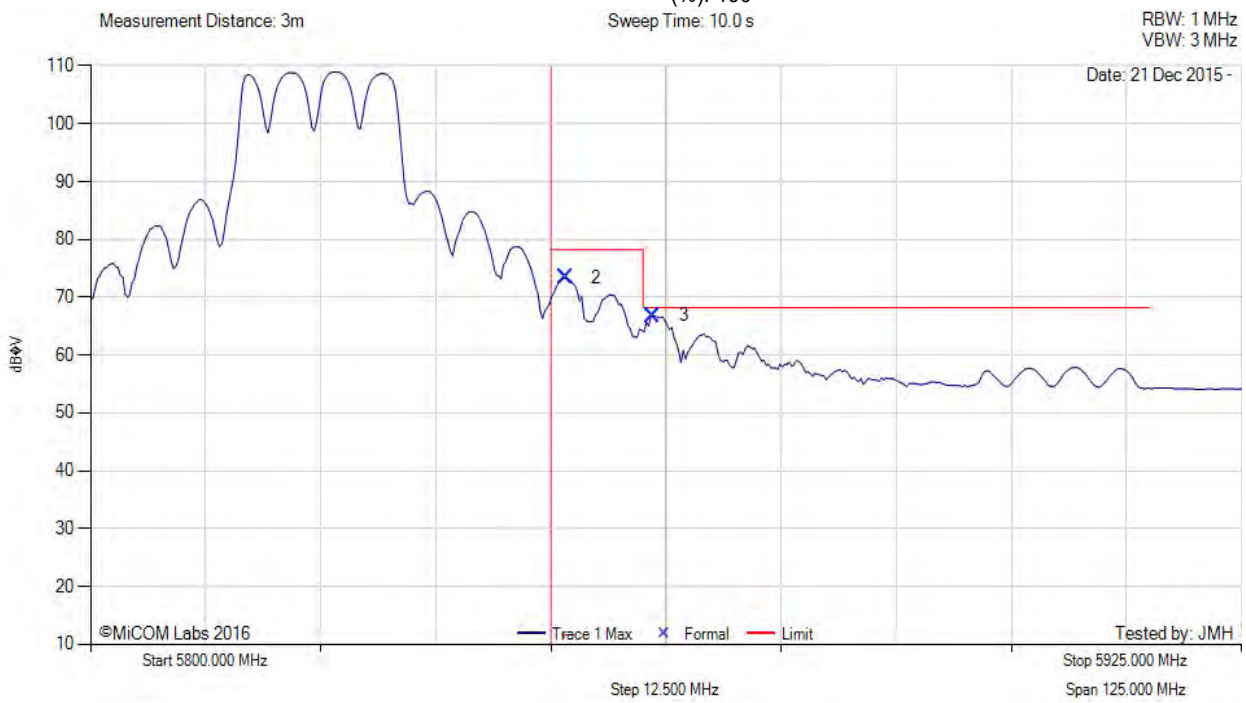
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 22, Duty Cycle (%): 100



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	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	
2	5851.60	34.88	3.82	34.63	73.33	Marker	Vertical	150	355	78.2	-4.9	Pass
3	5861.12	28.33	3.86	34.66	66.85	Marker	Vertical	150	355	68.2	-1.4	Pass

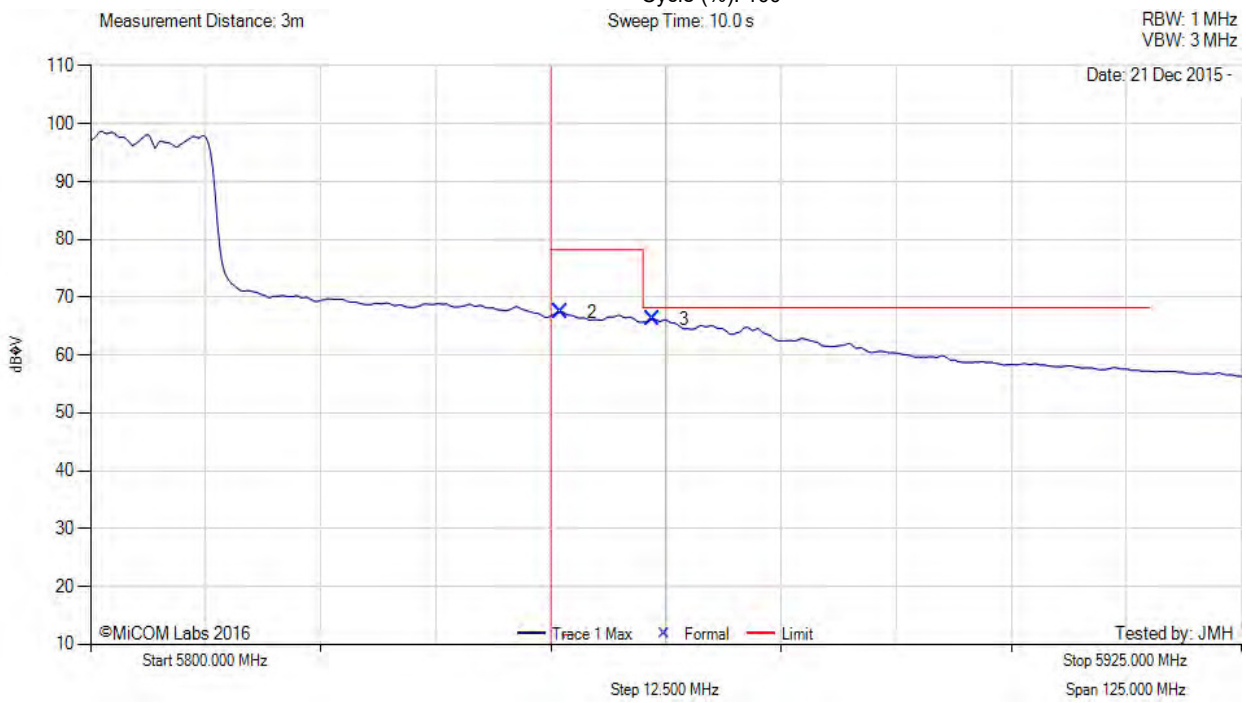
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 20, Duty Cycle (%): 100



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	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	
2	5851.10	29.04	3.81	34.63	67.48	Marker	Vertical	150	355	78.2	-10.8	Pass
3	5861.12	27.73	3.86	34.66	66.25	Marker	Vertical	150	355	68.2	-2.0	Pass

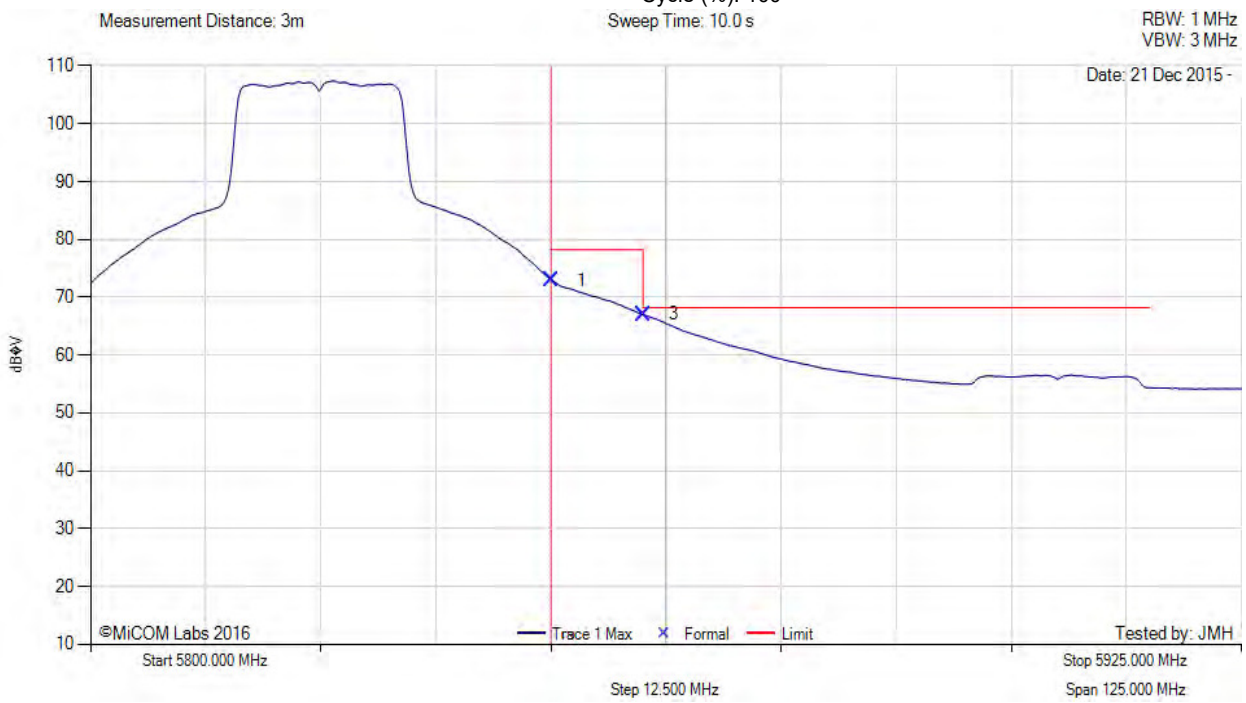
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 22, Duty Cycle (%): 100



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	34.50	3.81	34.63	72.94	Marker	Vertical	150	355	78.2	-5.3	Pass
2	5850.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	
3	5860.00	28.53	3.86	34.65	67.04	Marker	Vertical	150	355	68.2	-1.2	Pass

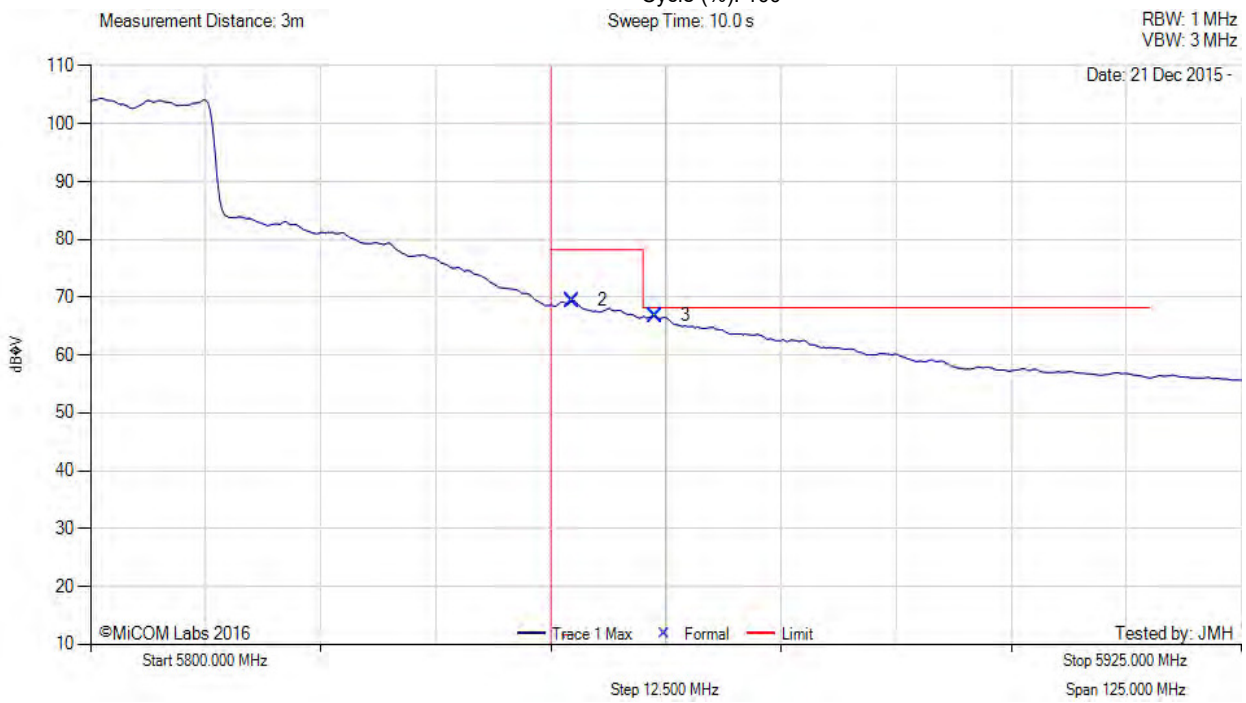
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5795.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 22, Duty Cycle (%): 100



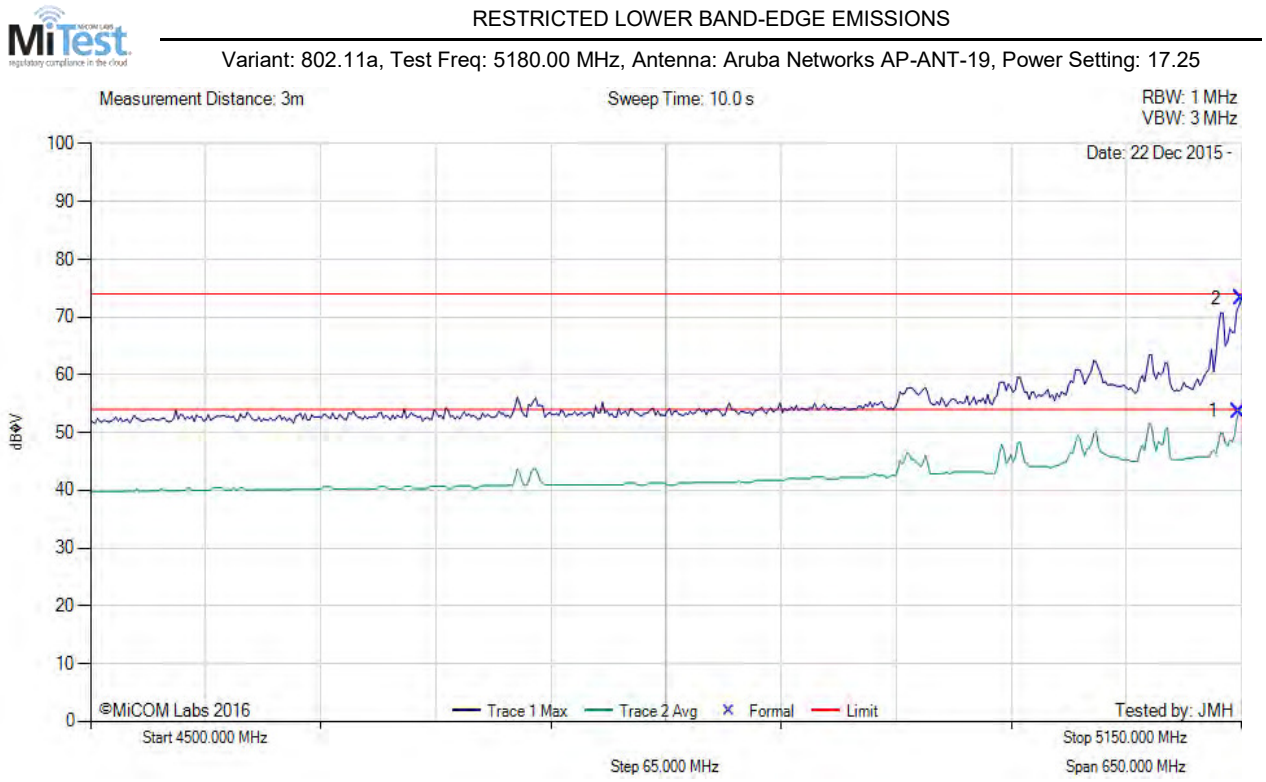
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	
2	5852.35	30.96	3.82	34.63	69.41	Marker	Vertical	150	355	78.2	-8.8	Pass
3	5861.37	28.26	3.86	34.66	66.78	Marker	Vertical	150	355	68.2	-1.5	Pass

Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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A.4.5 Antenna AP-ANT-19



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	5148.70	15.95	3.67	34.11	53.73	Max Avg	Vertical	167	201	54.0	-0.3	Pass
2	5150.00	35.47	3.67	34.11	73.25	Max Peak	Vertical	167	201	74.0	-0.8	Pass

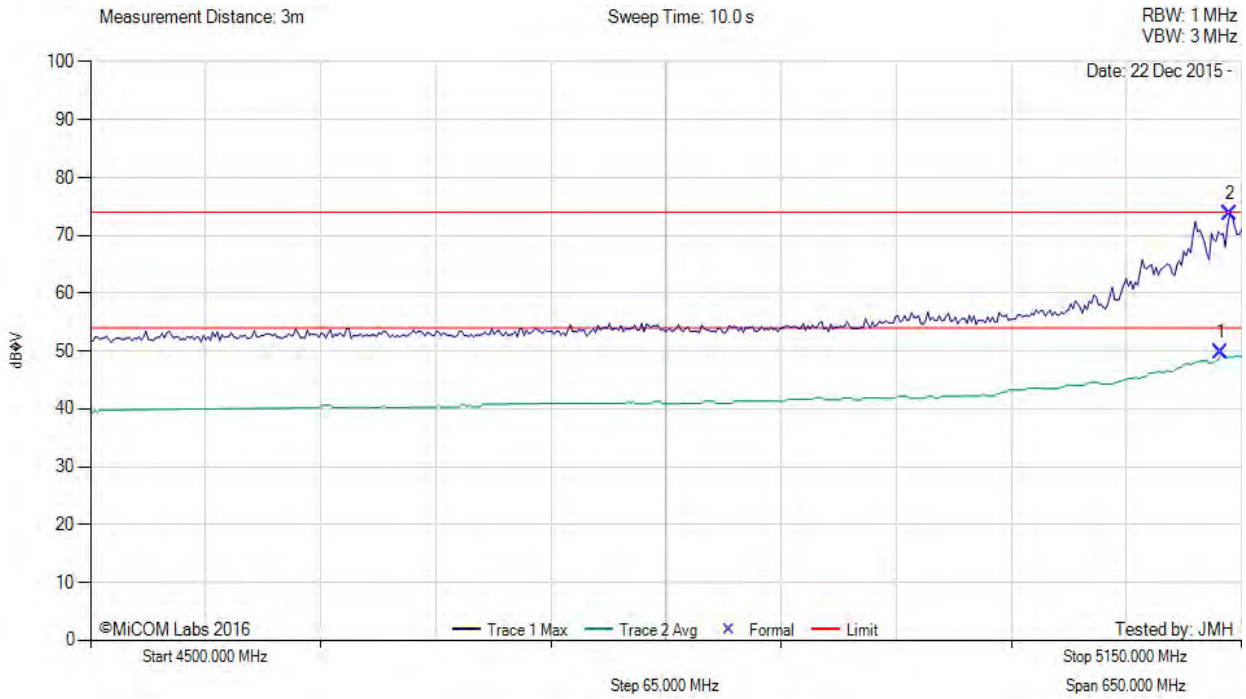
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5210.00 MHz, Antenna: Aruba Networks AP-ANT-19, Power Setting: 16.75



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	5138.28	11.85	3.70	34.12	49.67	Max Avg	Vertical	167	201	54.0	-4.3	Pass
2	5143.49	35.91	3.70	34.12	73.73	Max Peak	Vertical	167	201	74.0	-0.3	Pass

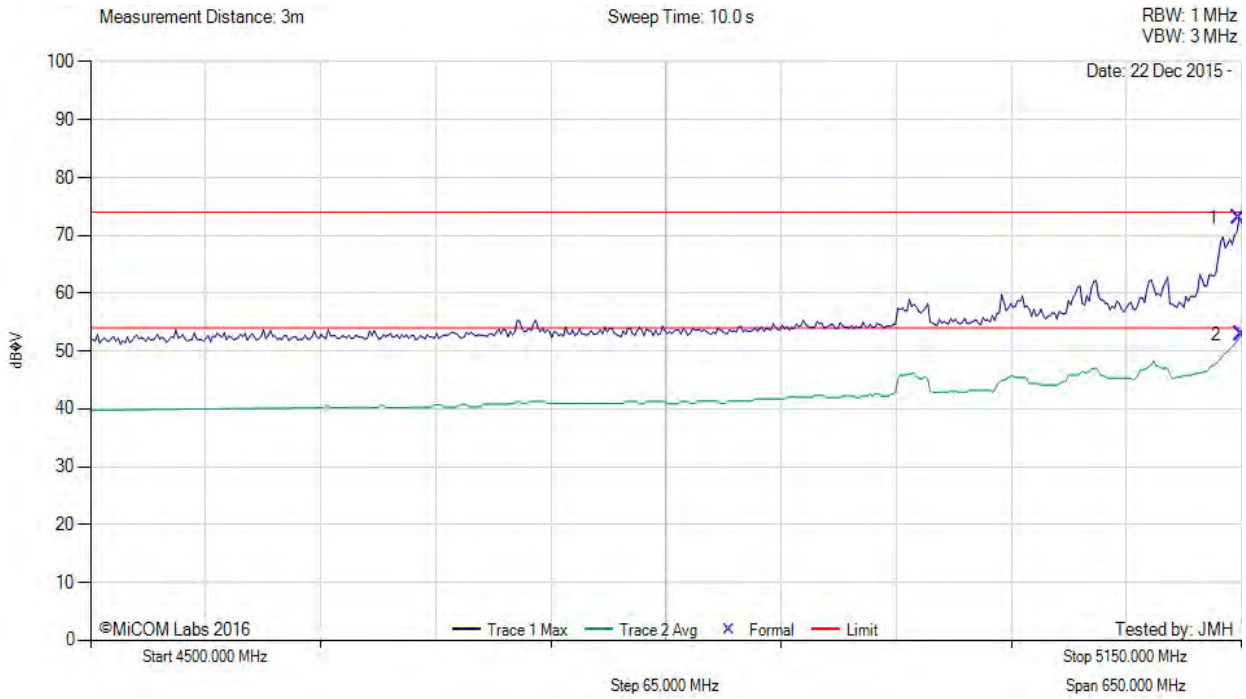
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5180.00 MHz, Antenna: Aruba Networks AP-ANT-19, Power Setting: 19



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	5148.70	35.18	3.67	34.11	72.96	Max Peak	Vertical	167	201	74.0	-1.0	Pass
2	5150.00	15.07	3.67	34.11	52.85	Max Avg	Vertical	167	201	54.0	-1.2	Pass

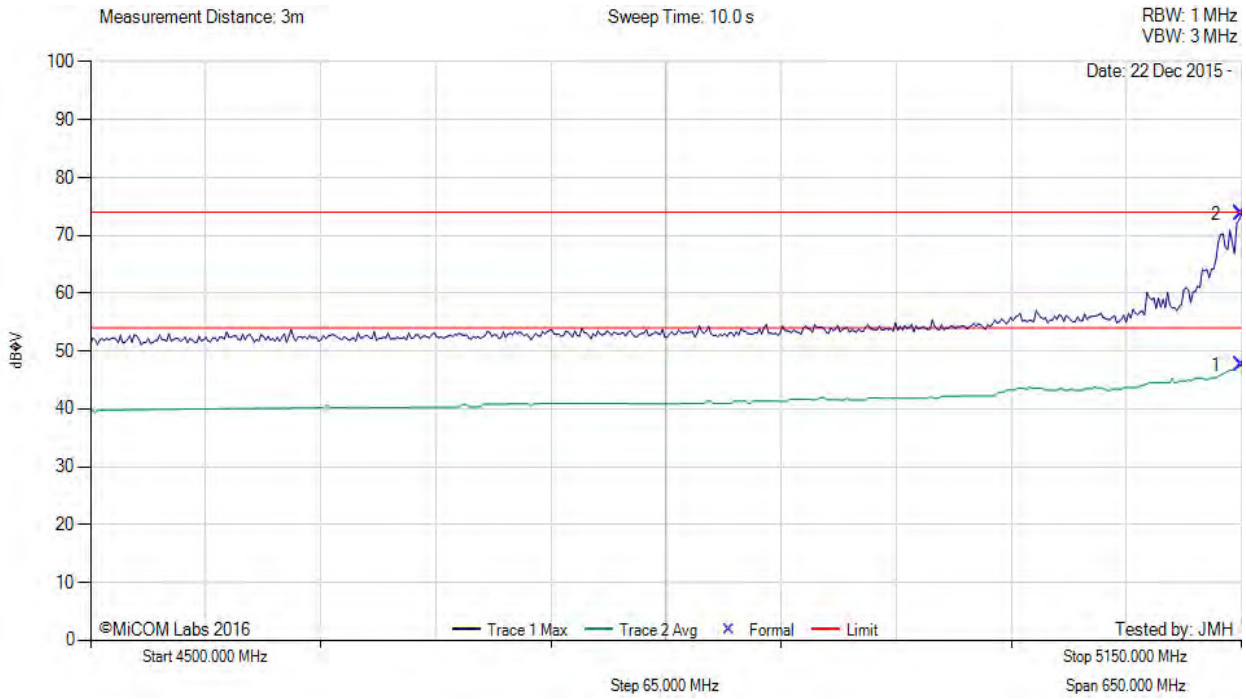
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5190.00 MHz, Antenna: Aruba Networks AP-ANT-19, Power Setting: 15.5



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	9.74	3.67	34.11	47.52	Max Avg	Vertical	167	201	54.0	-6.5	Pass
2	5150.00	35.90	3.67	34.11	73.68	Max Peak	Vertical	167	201	74.0	-0.3	Pass

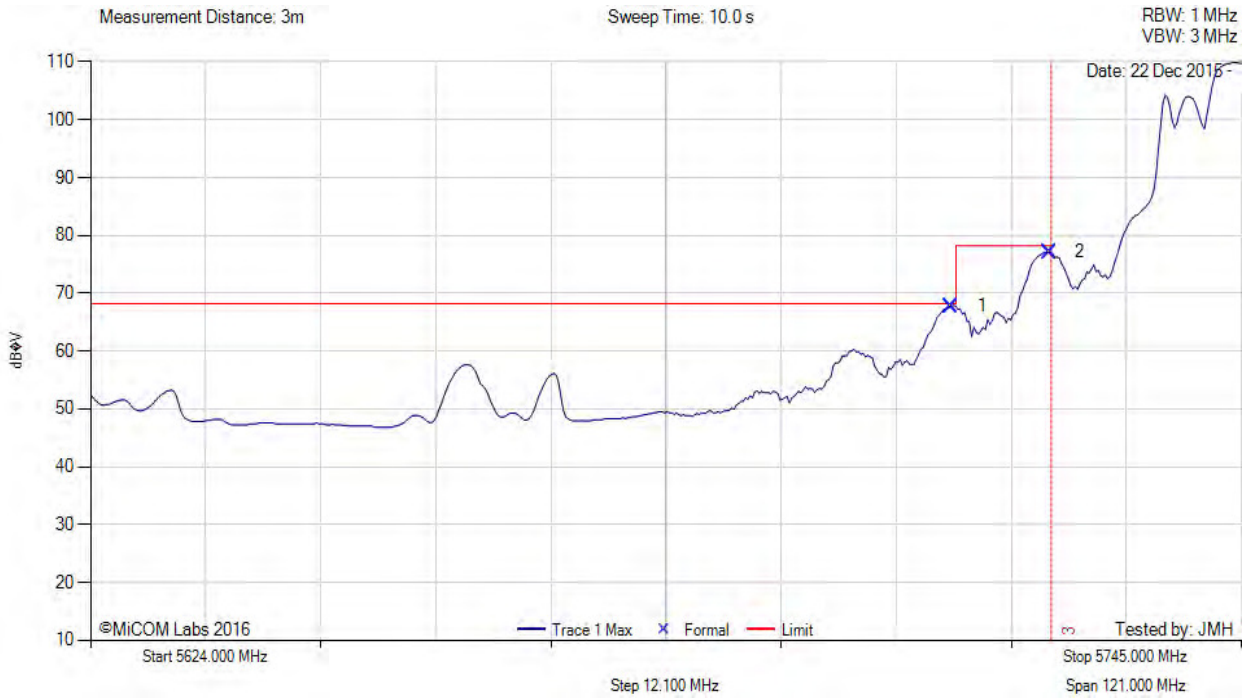
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-19, Power Setting: 20



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	5714.52	29.60	3.81	34.34	67.75	Marker	Vertical	168	199	68.2	-0.5	Pass
2	5724.76	38.94	3.79	34.35	77.08	Marker	Vertical	168	199	78.2	-1.2	Pass
3	5725.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

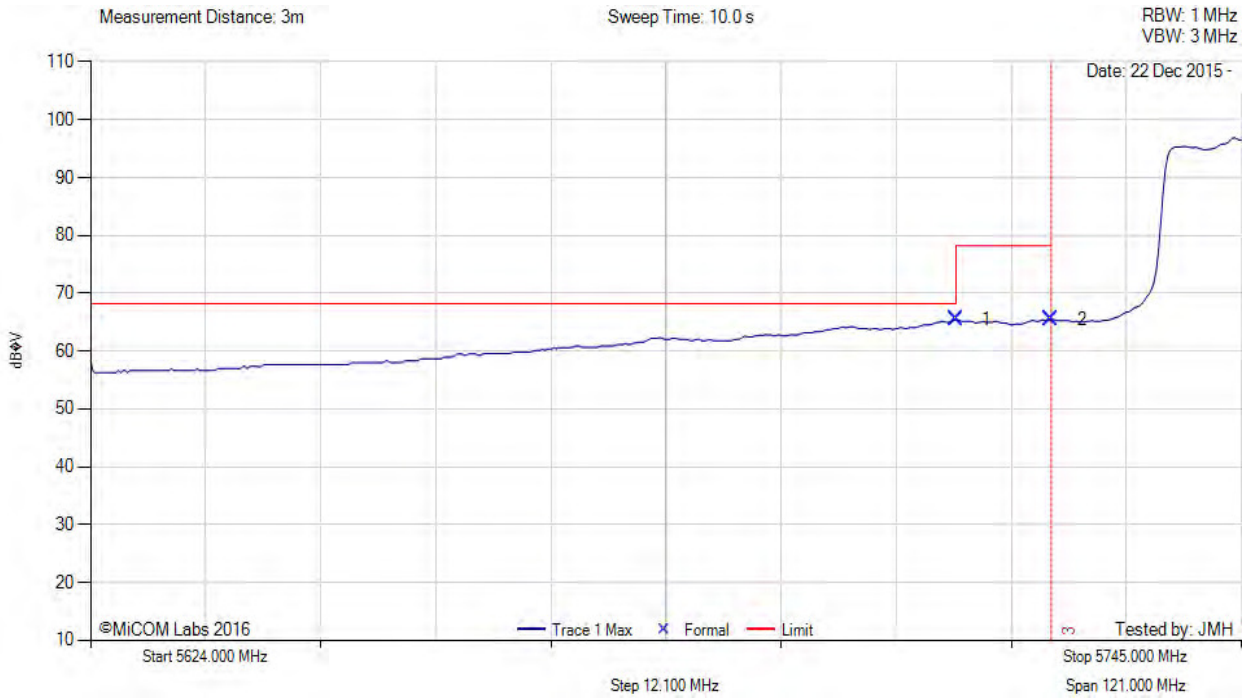
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: Aruba Networks AP-ANT-19, Power Setting: 20



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	27.27	3.81	34.34	65.42	Marker	Vertical	168	199	68.2	-2.8	Pass
2	5725.00	27.29	3.79	34.35	65.43	Marker	Vertical	168	199	78.2	-12.8	Pass
3	5725.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

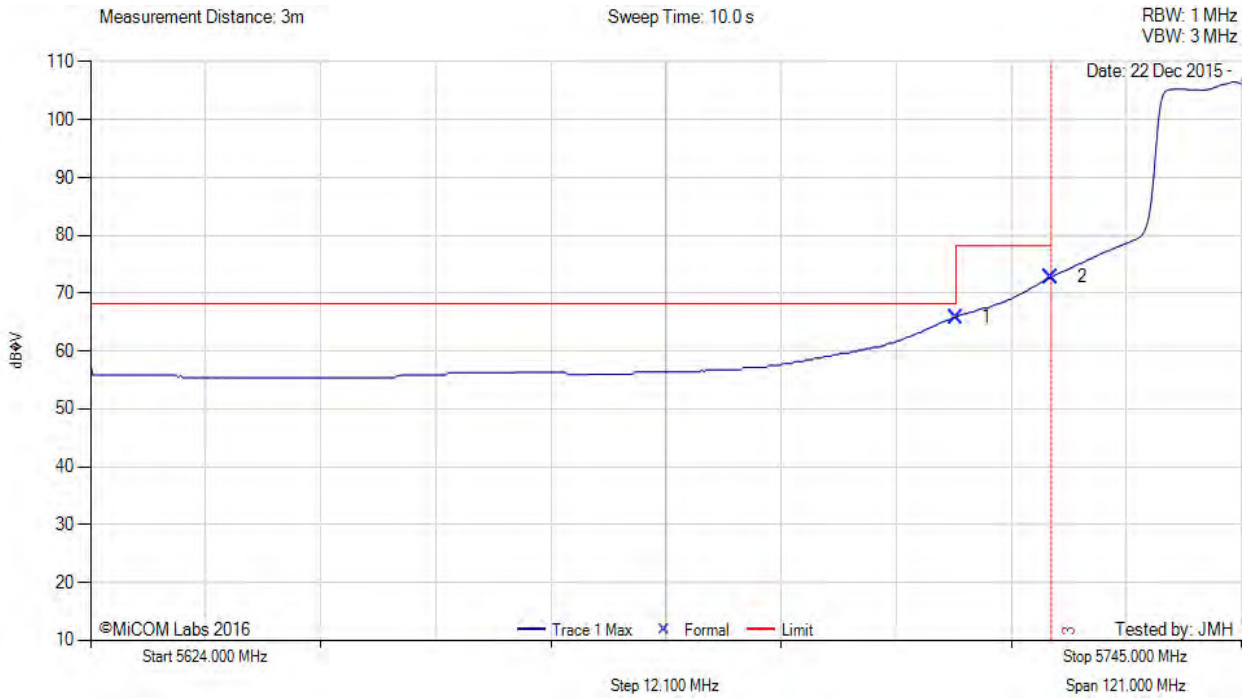
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-19, Power Setting: 21



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	27.68	3.81	34.34	65.83	Marker	Vertical	168	199	68.2	-2.4	Pass
2	5725.00	34.67	3.79	34.35	72.81	Marker	Vertical	168	199	78.2	-5.4	Pass
3	5725.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

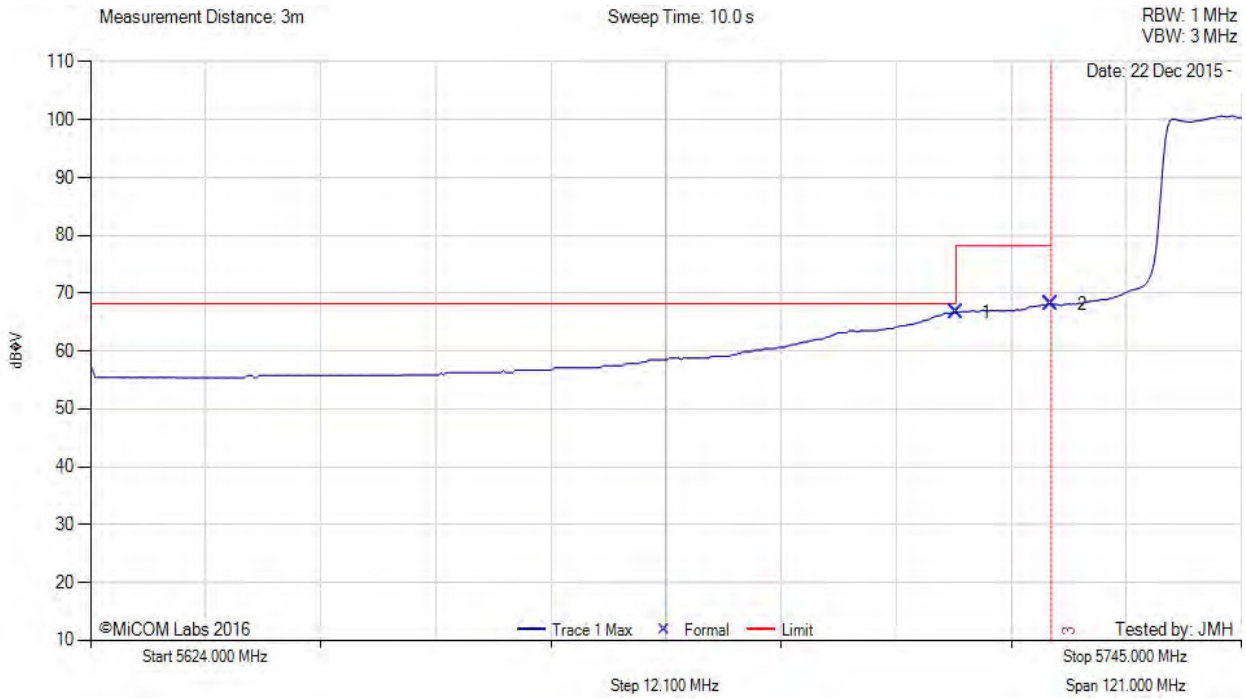
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5755.00 MHz, Antenna: Aruba Networks AP-ANT-19, Power Setting: 20



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	28.57	3.81	34.34	66.72	Marker	Vertical	168	199	68.2	-1.5	Pass
2	5725.00	30.03	3.79	34.35	68.17	Marker	Vertical	168	199	78.2	-10.1	Pass
3	5725.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

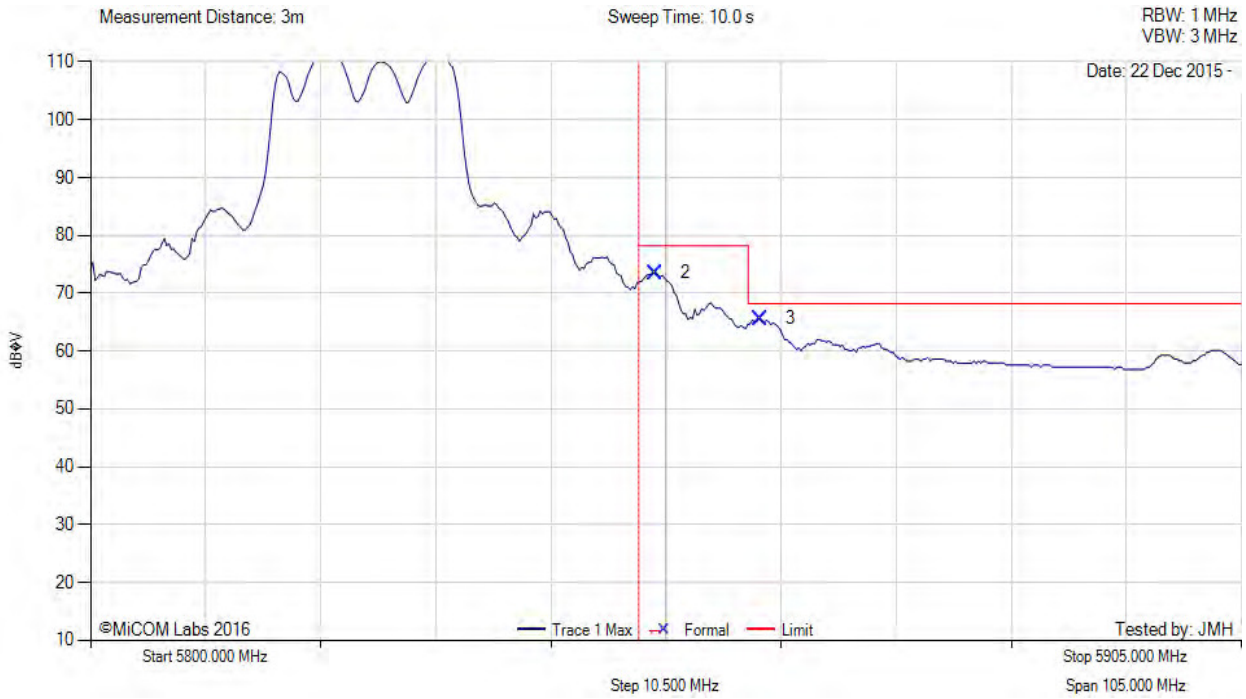
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-19, Power Setting: 21



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	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	
2	5851.47	35.11	3.81	34.63	73.55	Marker	Vertical	168	192	78.2	-4.7	Pass
3	5861.05	27.13	3.86	34.66	65.65	Marker	Vertical	168	192	68.2	-2.6	Pass

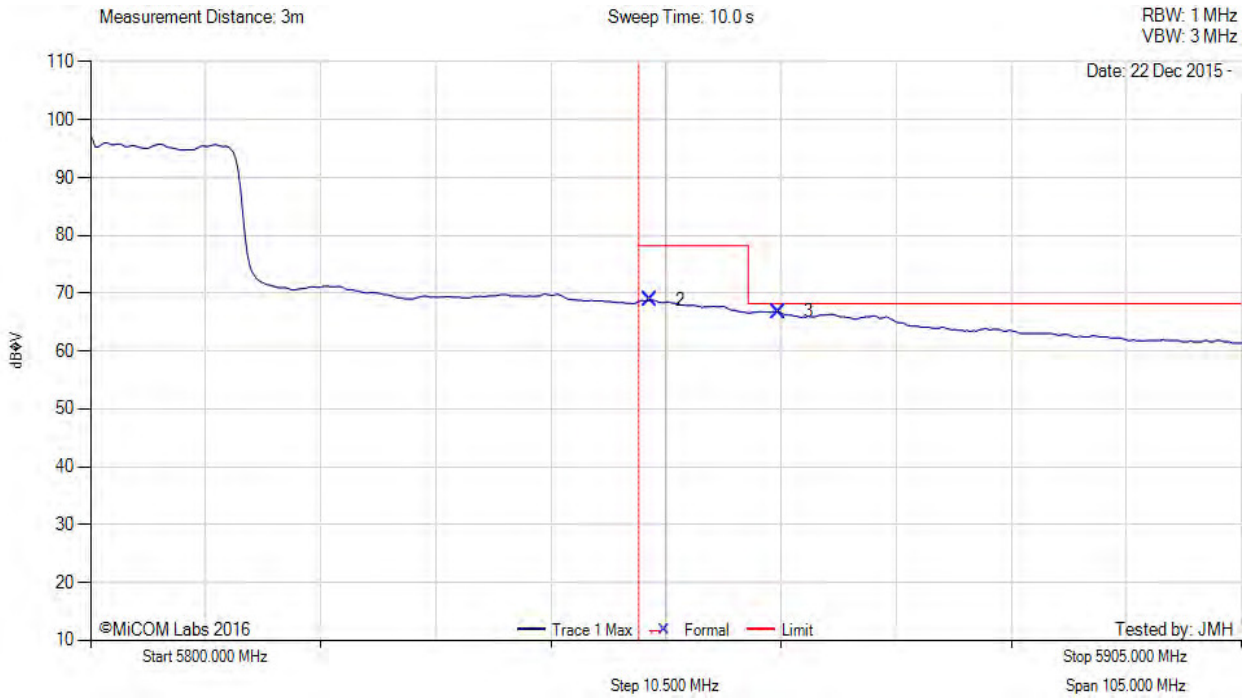
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: Aruba Networks AP-ANT-19, Power Setting: 21



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	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	
2	5851.05	30.37	3.81	34.63	68.81	Marker	Vertical	168	192	78.2	-9.4	Pass
3	5862.74	28.34	3.85	34.66	66.85	Marker	Vertical	168	192	68.2	-1.4	Pass

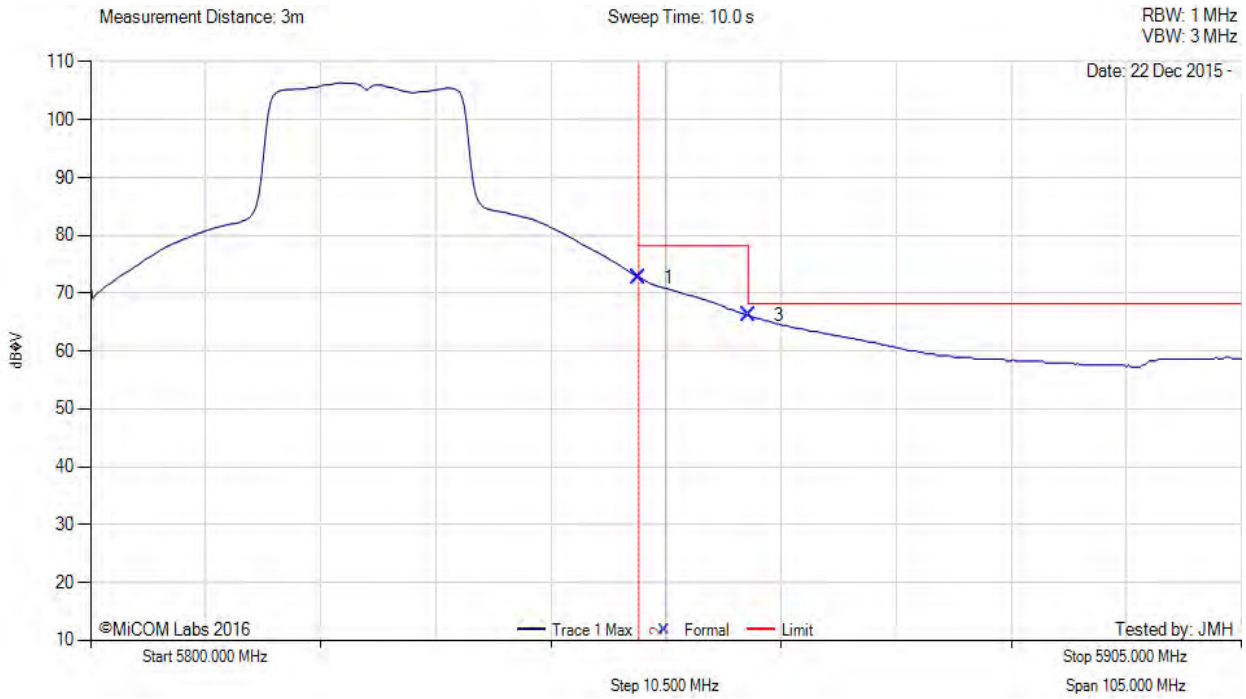
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-19, Power Setting: 22



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	34.27	3.81	34.63	72.71	Marker	Vertical	168	192	78.2	-5.5	Pass
2	5850.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	
3	5860.00	27.69	3.86	34.65	66.20	Marker	Vertical	168	192	68.2	-2.0	Pass

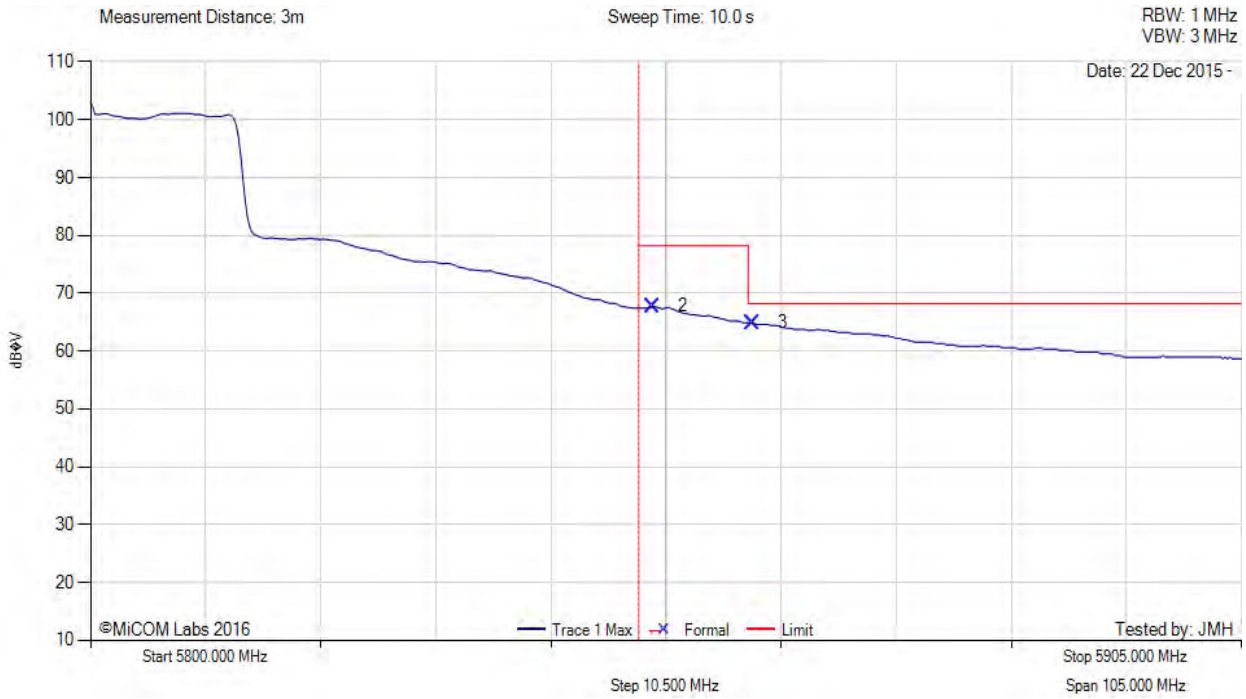
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5795.00 MHz, Antenna: Aruba Networks AP-ANT-19, Power Setting: 22



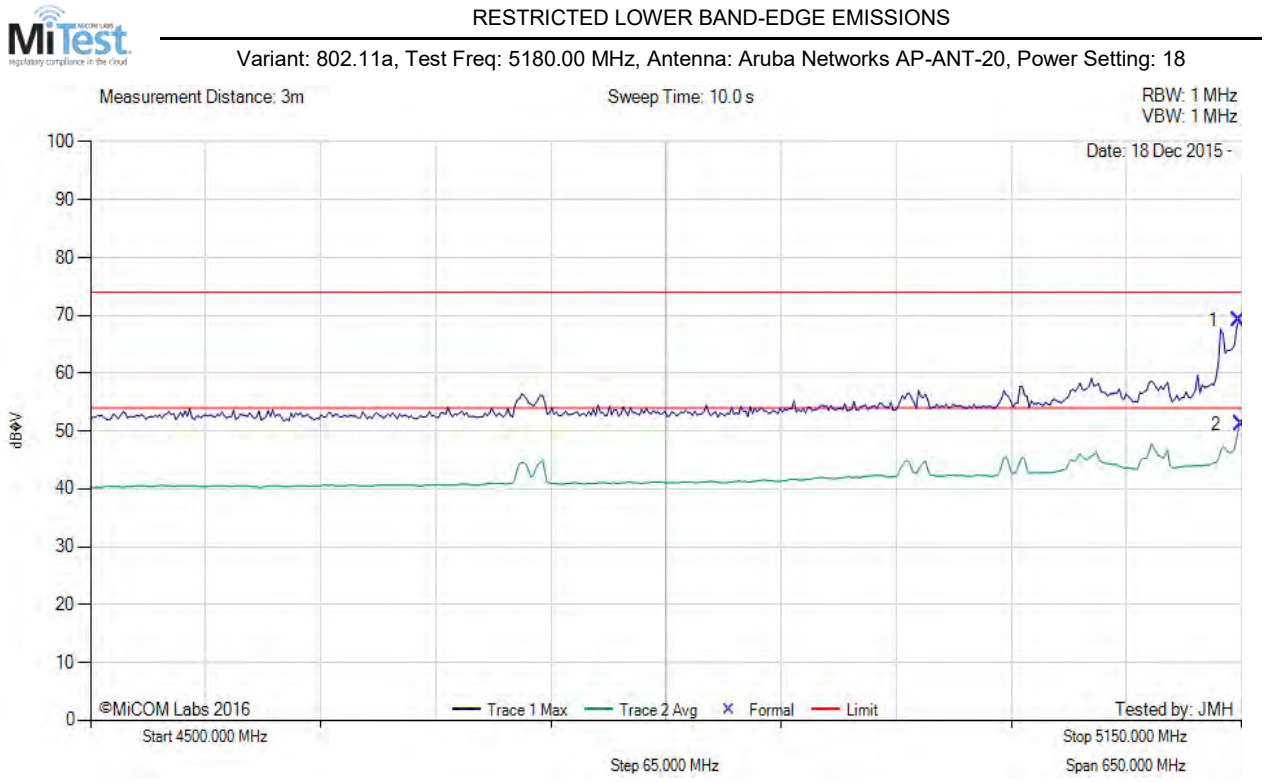
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	
2	5851.26	29.32	3.81	34.63	67.76	Marker	Vertical	168	192	78.2	-10.5	Pass
3	5860.42	26.39	3.86	34.65	64.90	Marker	Vertical	168	192	78.2	-13.3	Pass

Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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A.4.6 Antenna AP-ANT-20



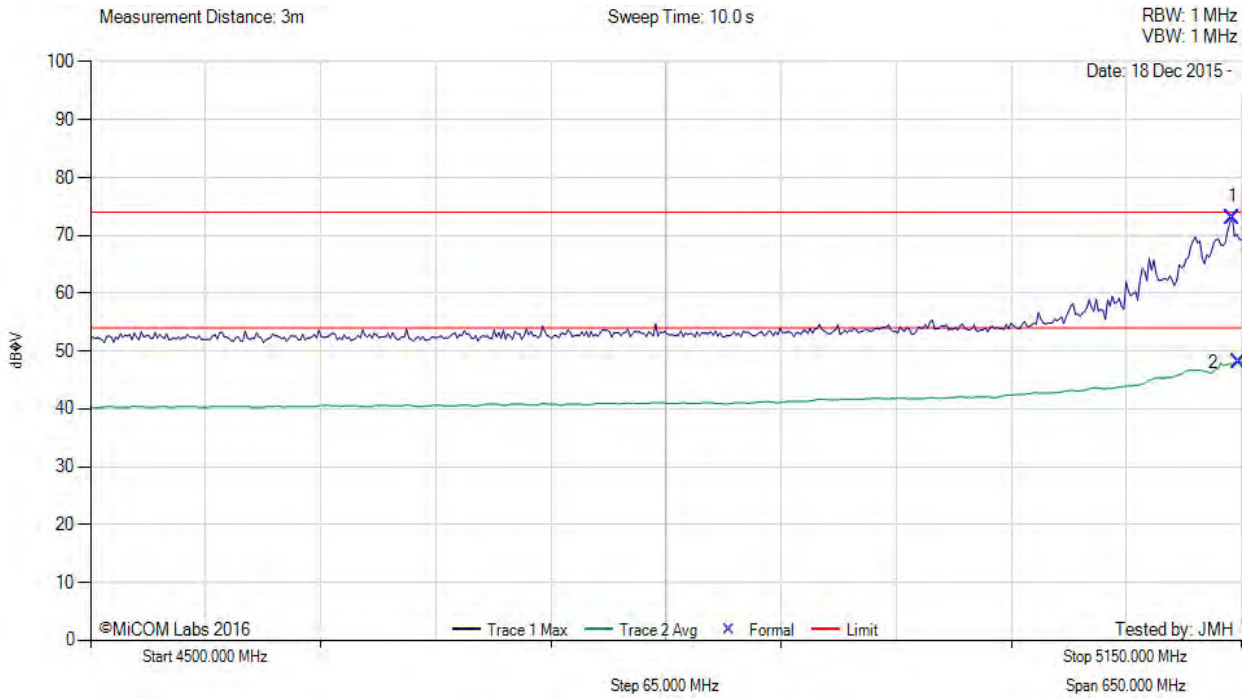
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5148.70	31.32	3.67	34.11	69.10	Max Peak	Vertical	180	44	74.0	-4.9	Pass
2	5150.00	13.41	3.67	34.11	51.19	Max Avg	Vertical	180	44	54.0	-2.8	Pass

back to matrix

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5210.00 MHz, Antenna: Aruba Networks AP-ANT-20, Power Setting: 18



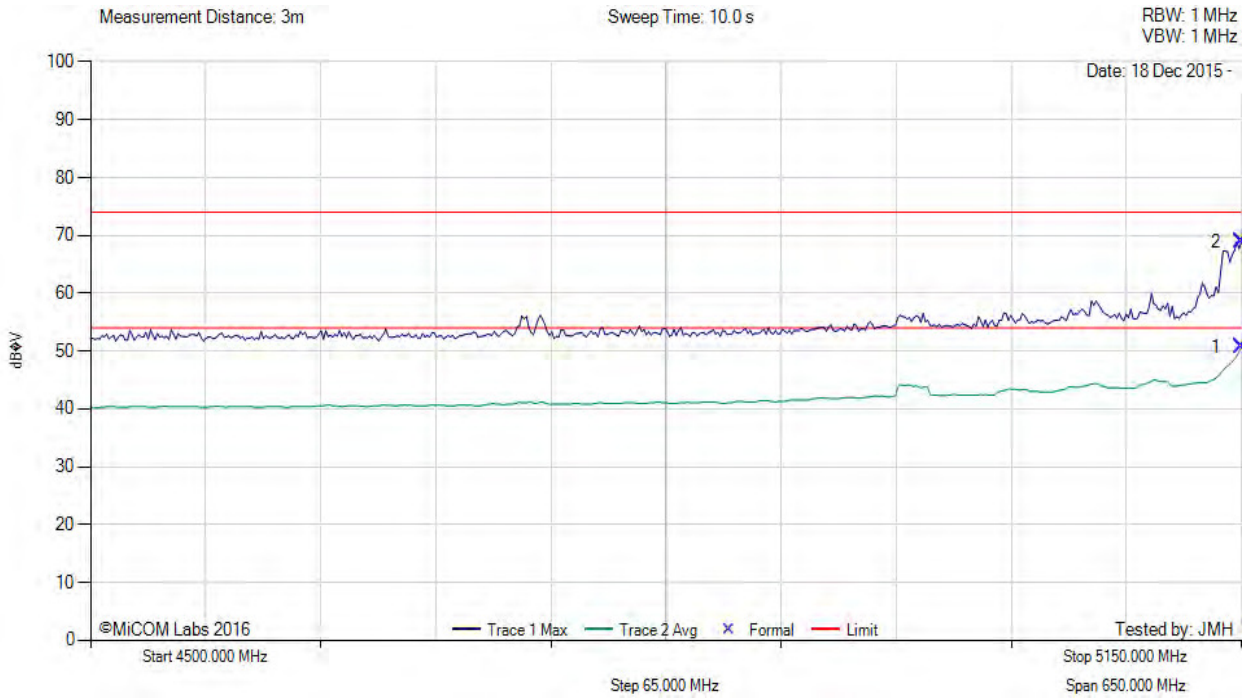
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5144.79	35.30	3.69	34.11	73.10	Max Peak	Vertical	180	44	74.0	-0.9	Pass
2	5148.70	10.34	3.67	34.11	48.12	Max Avg	Vertical	180	44	54.0	-5.9	Pass

back to matrix

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5180.00 MHz, Antenna: Aruba Networks AP-ANT-20, Power Setting: 20



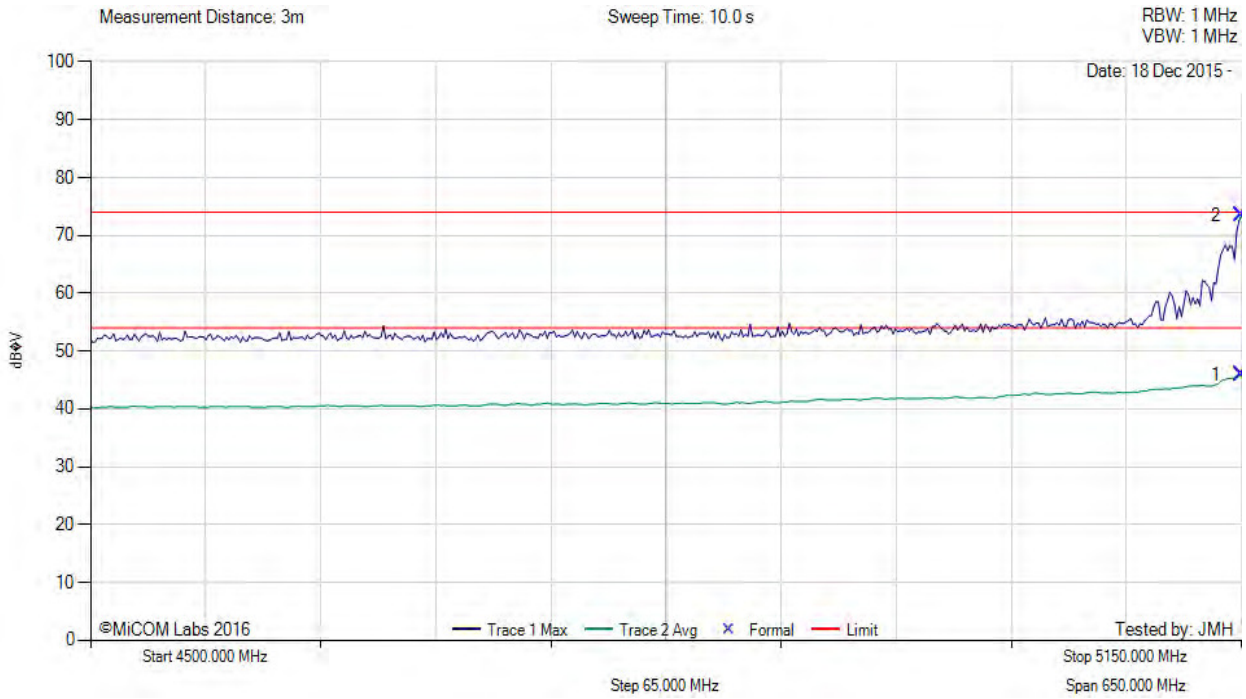
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5150.00	12.90	3.67	34.11	50.68	Max Avg	Vertical	180	44	54.0	-3.3	Pass
2	5150.00	31.17	3.67	34.11	68.95	Max Peak	Vertical	180	44	74.0	-5.1	Pass

back to matrix

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5190.00 MHz, Antenna: Aruba Networks AP-ANT-20, Power Setting: 17



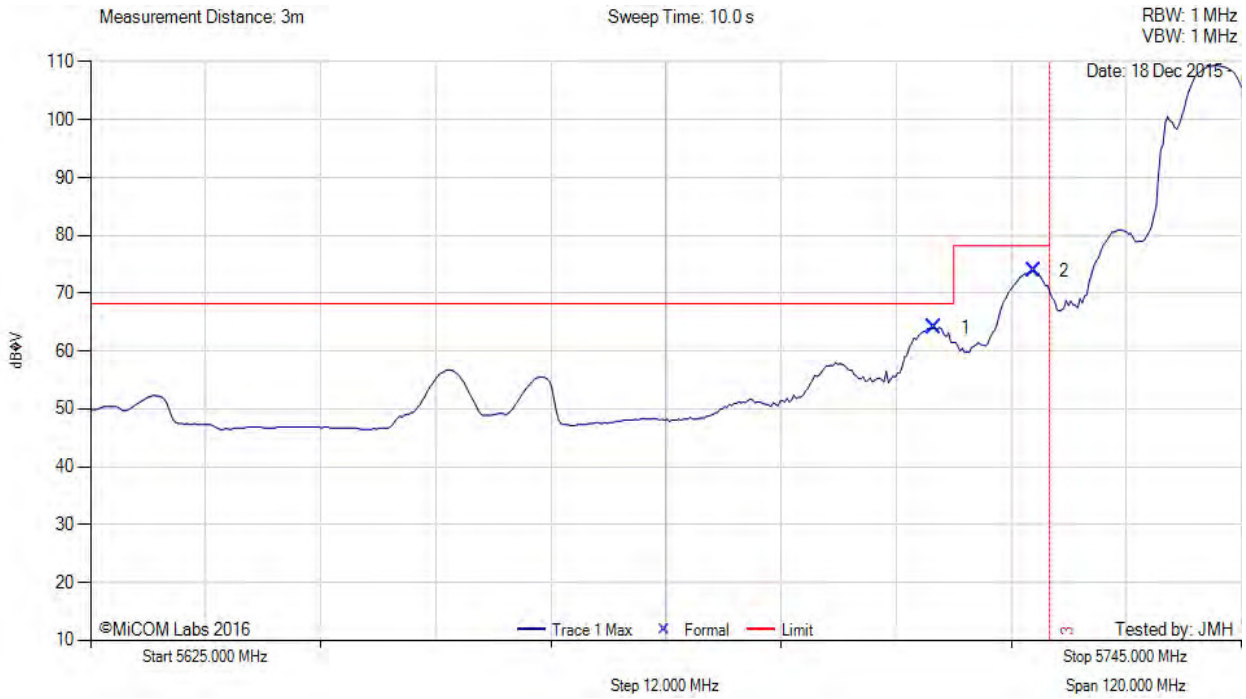
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5150.00	8.19	3.67	34.11	45.97	Max Avg	Vertical	180	44	54.0	-8.0	Pass
2	5150.00	35.72	3.67	34.11	73.50	Max Peak	Vertical	180	44	74.0	-0.5	Pass

back to matrix

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5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-20, Power Setting: 20



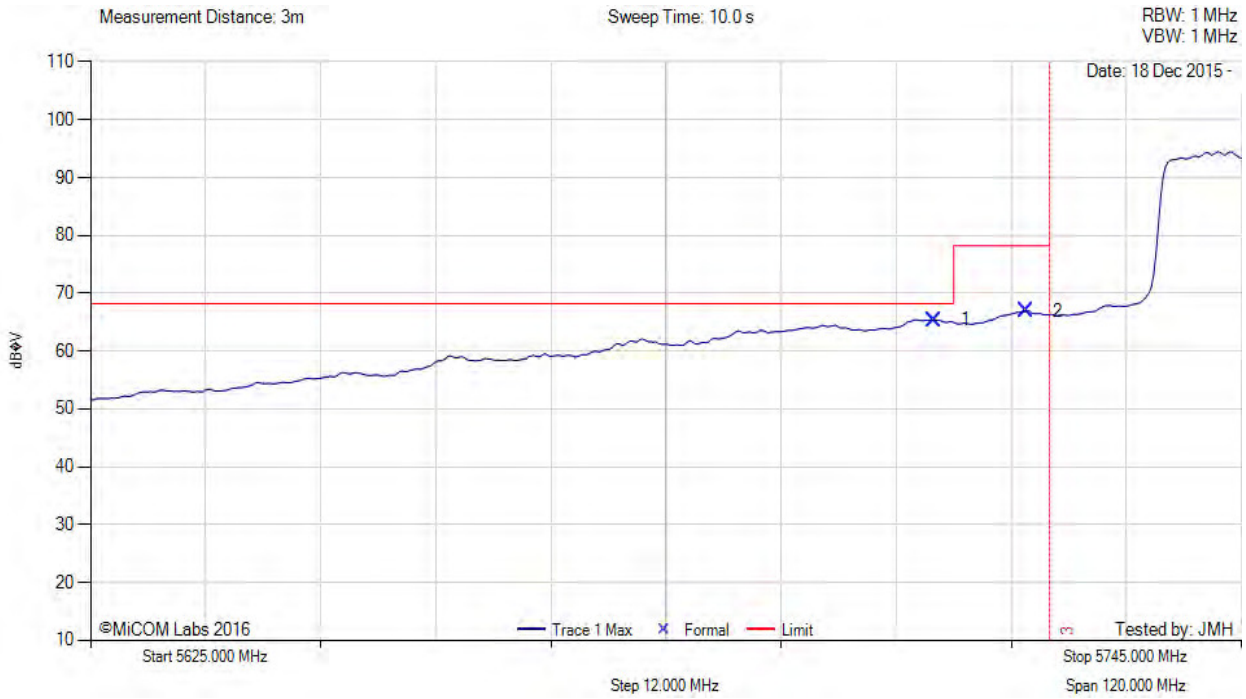
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5713.02	25.85	3.82	34.34	64.01	Marker	Vertical	145	1	68.2	-4.2	Pass
2	5723.32	35.77	3.80	34.35	73.92	Marker	Vertical	145	1	78.2	-4.3	Pass
3	5725.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

back to matrix

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5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: Aruba Networks AP-ANT-20, Power Setting: 21



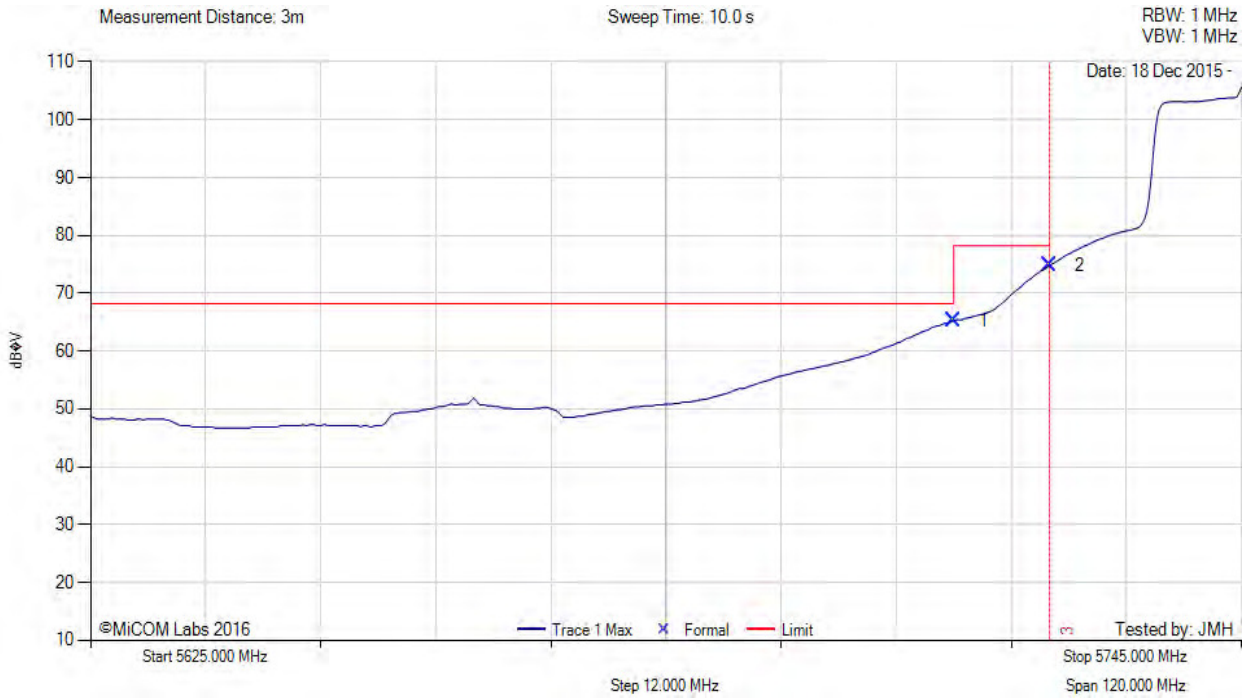
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5713.02	27.25	3.82	34.34	65.41	Marker	Vertical	145	1	68.2	-2.8	Pass
2	5722.60	28.75	3.80	34.35	66.90	Marker	Vertical	145	1	78.2	-11.3	Pass
3	5725.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

back to matrix

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5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-20, Power Setting: 22



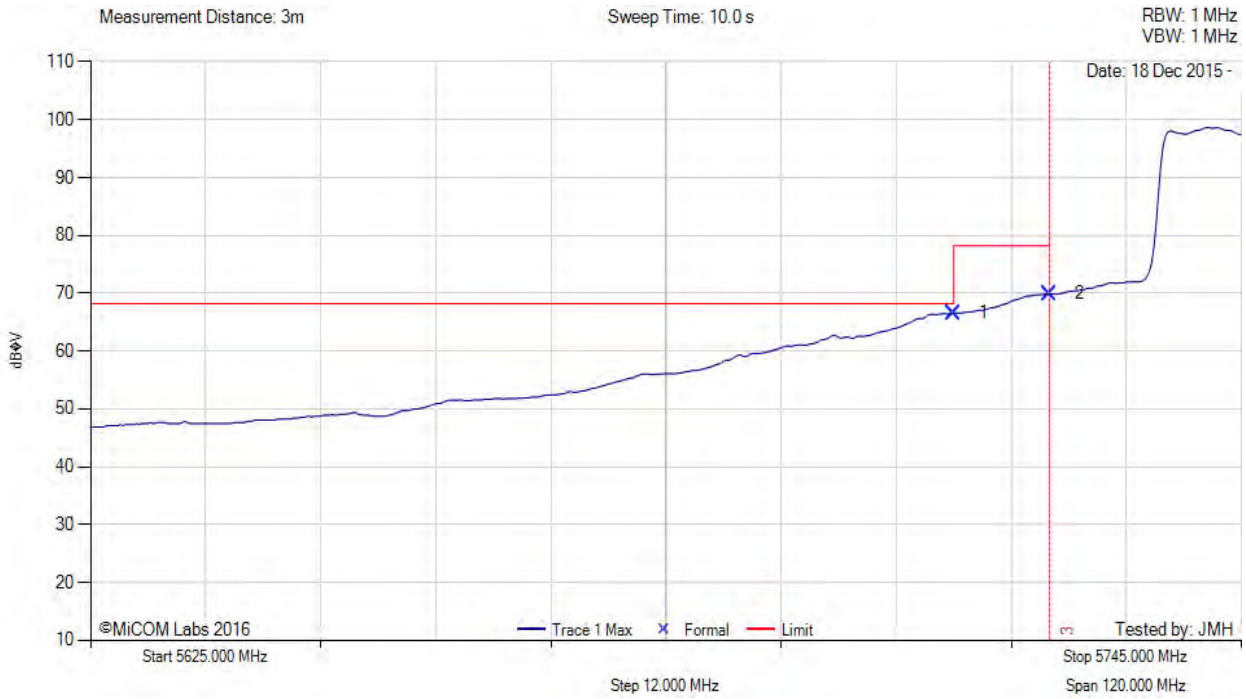
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5715.00	27.09	3.81	34.34	65.24	Marker	Vertical	145	1	68.2	-3.0	Pass
2	5725.00	36.71	3.79	34.35	74.85	Marker	Vertical	145	1	78.2	-3.4	Pass
3	5725.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

back to matrix

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5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5755.00 MHz, Antenna: Aruba Networks AP-ANT-20, Power Setting: 21



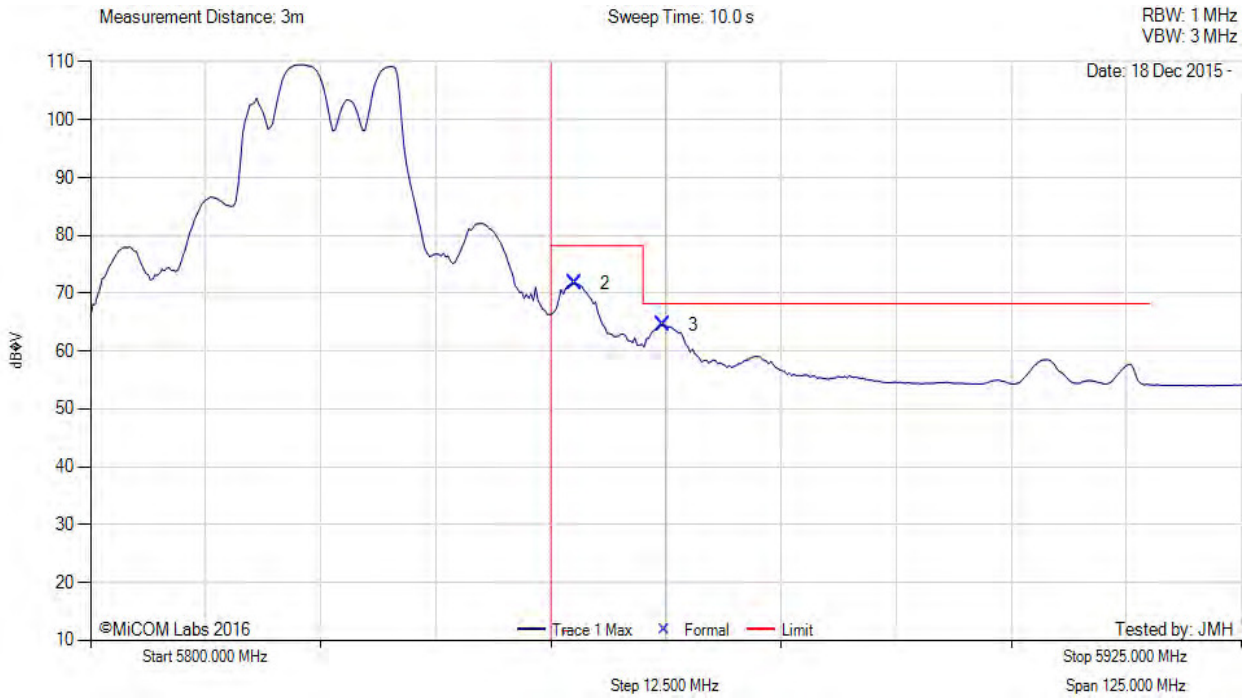
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5715.00	28.39	3.81	34.34	66.54	Marker	Vertical	145	1	68.2	-1.7	Pass
2	5725.00	31.78	3.79	34.35	69.92	Marker	Vertical	145	1	78.2	-8.3	Pass
3	5725.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

back to matrix

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5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-20, Power Setting: 21



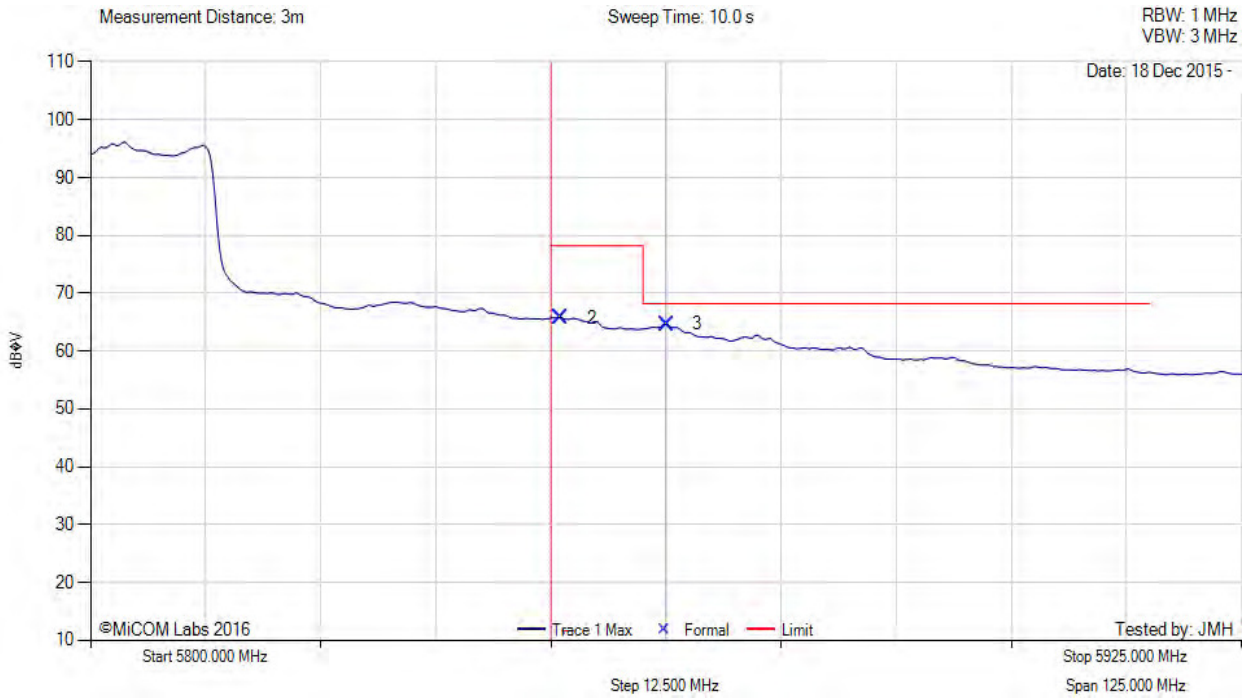
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	
2	5852.61	33.28	3.82	34.63	71.73	Marker	Vertical	150	-2	78.2	-6.5	Pass
3	5862.12	25.98	3.85	34.66	64.49	Marker	Vertical	150	-2	68.2	-3.7	Pass

back to matrix

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5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: Aruba Networks AP-ANT-20, Power Setting: 21



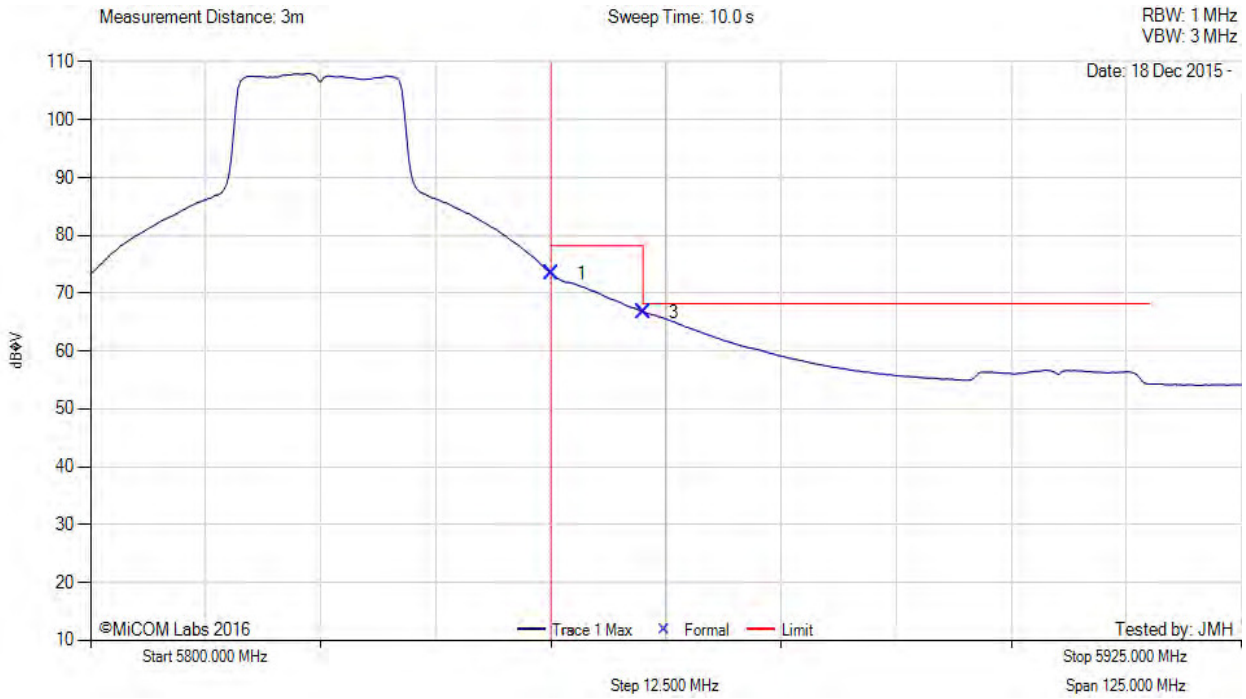
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	
2	5851.10	27.34	3.81	34.63	65.78	Marker	Vertical	150	-2	78.2	-12.5	Pass
3	5862.63	26.17	3.85	34.66	64.68	Marker	Vertical	150	-2	68.2	-3.6	Pass

back to matrix

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5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-20, Power Setting: 22



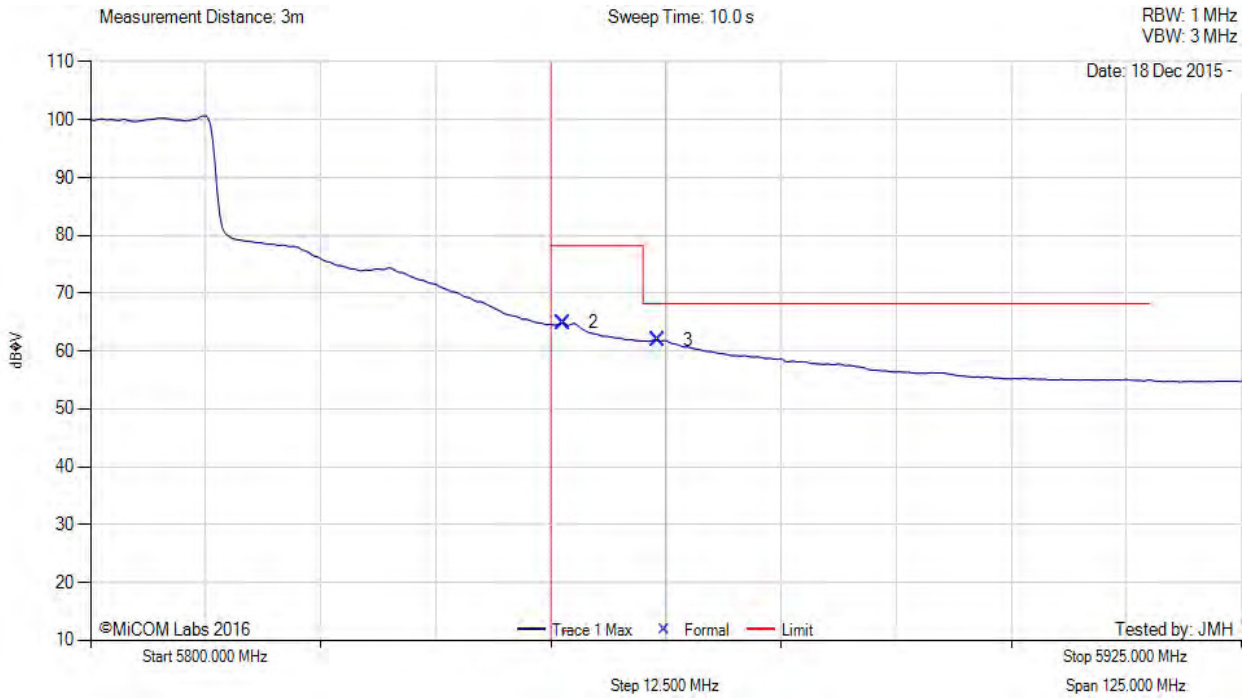
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	34.92	3.81	34.63	73.36	Marker	Vertical	150	-2	78.2	-4.9	Pass
2	5850.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	
3	5860.00	28.25	3.86	34.65	66.76	Marker	Vertical	150	-2	68.2	-1.5	Pass

back to matrix

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5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5795.00 MHz, Antenna: Aruba Networks AP-ANT-20, Power Setting: 22

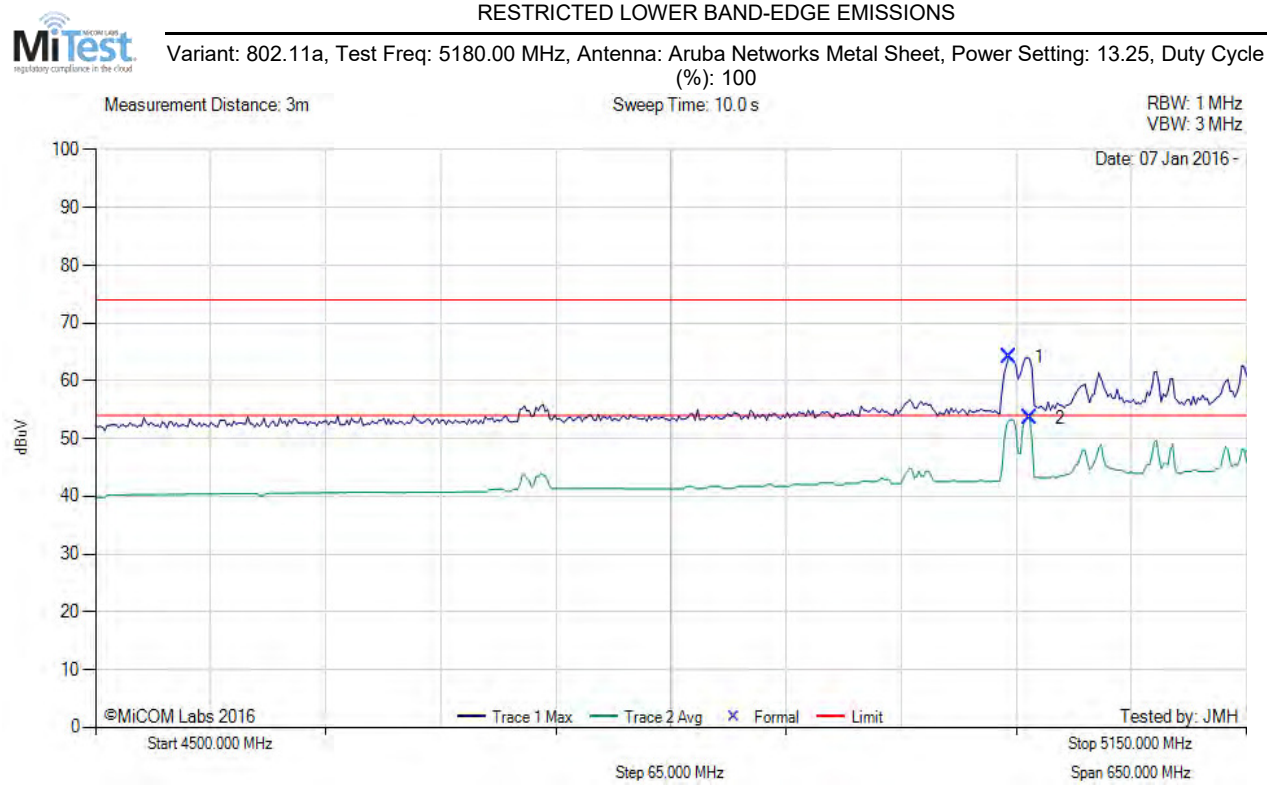


Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	
2	5851.35	26.43	3.81	34.63	64.87	Marker	Vertical	150	-2	78.2	-13.4	Pass
3	5861.62	23.32	3.85	34.66	61.83	Marker	Vertical	150	-2	68.2	-6.4	Pass

back to matrix

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A.4.7 Integral (APIN0215) Antenna



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	5015.83	26.28	3.65	34.21	64.14	Max Peak	Horizontal	190	67	74.0	-9.9	Pass
2	5027.56	15.69	3.70	34.21	53.60	Max Avg	Horizontal	190	67	54.0	-0.4	Pass

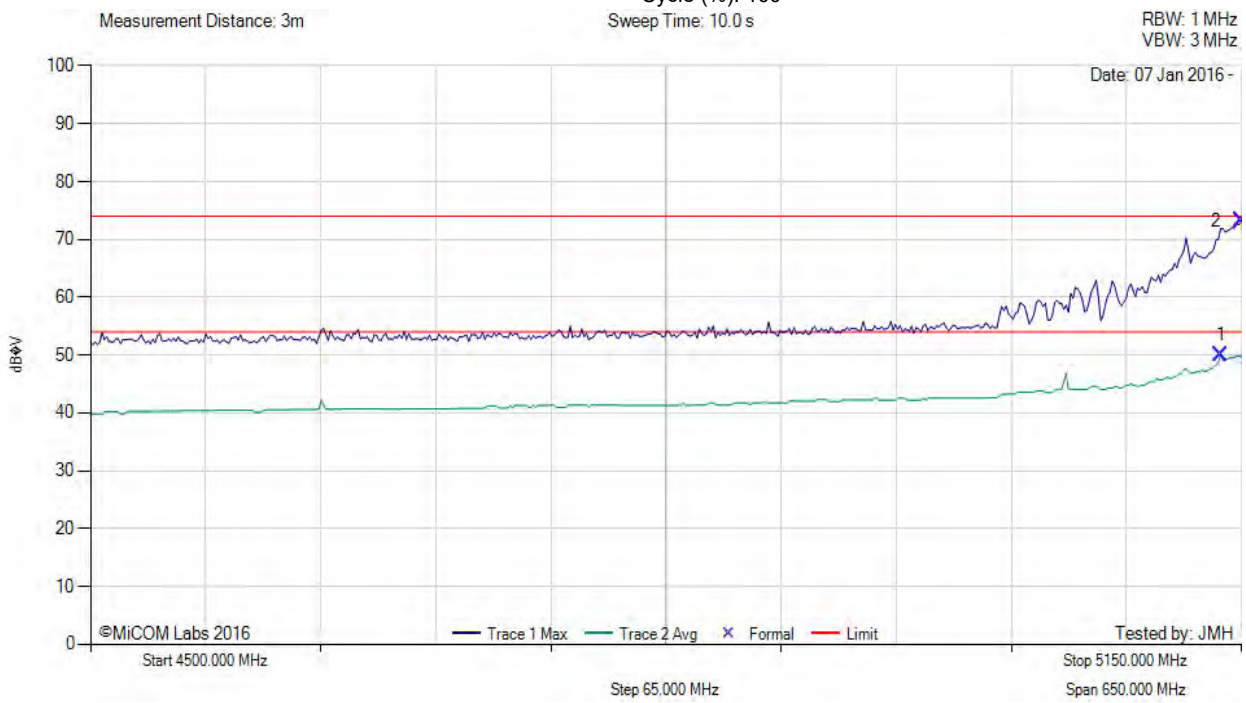
Test Notes: EUT on 150cm table, powered by PDSine 9001GR POE

back to matrix

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5210.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 15.75, Duty Cycle (%): 100



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	5138.28	12.14	3.70	34.12	49.96	Max Avg	Horizontal	190	67	54.0	-4.0	Pass
2	5150.00	35.41	3.67	34.11	73.19	Max Peak	Horizontal	190	67	74.0	-0.8	Pass

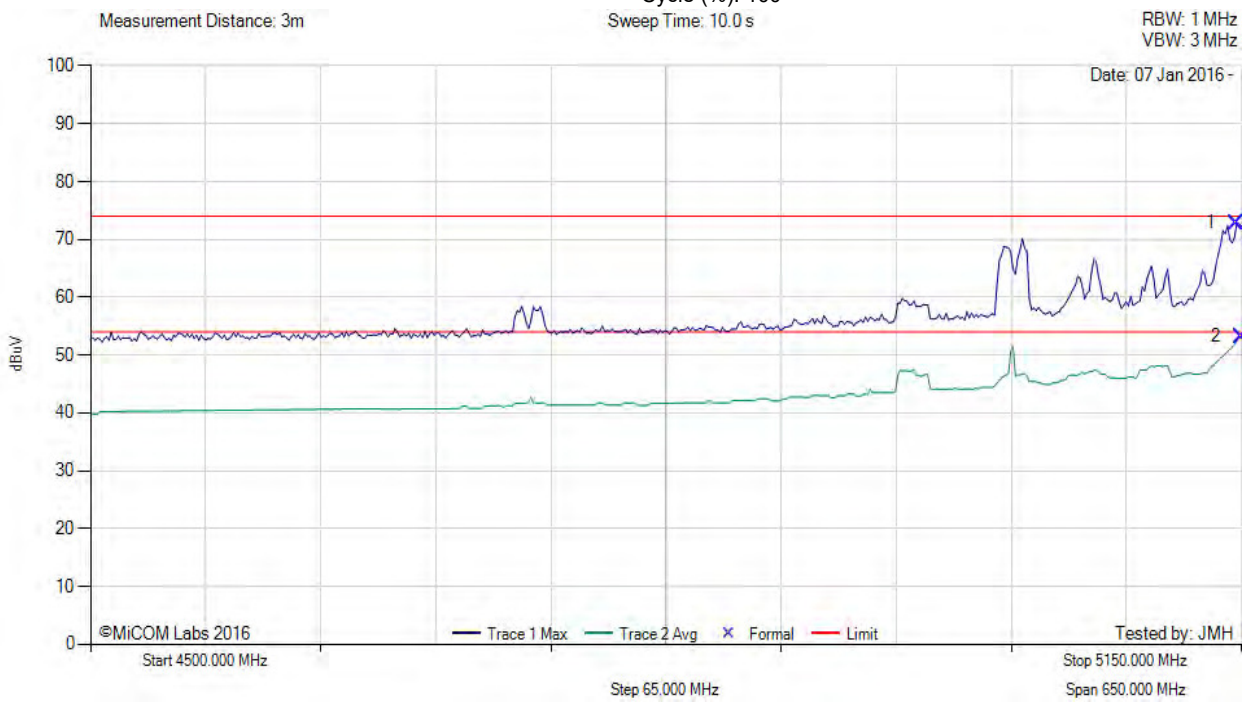
Test Notes: EUT on 150cm table, powered by PDSine 9001GR POE

back to matrix

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5180.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 20, Duty Cycle (%): 100



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	5147.39	35.08	3.68	34.11	72.87	Max Peak	Horizontal	190	67	74.0	-1.1	Pass
2	5150.00	15.47	3.67	34.11	53.25	Max Avg	Horizontal	190	67	54.0	-0.8	Pass

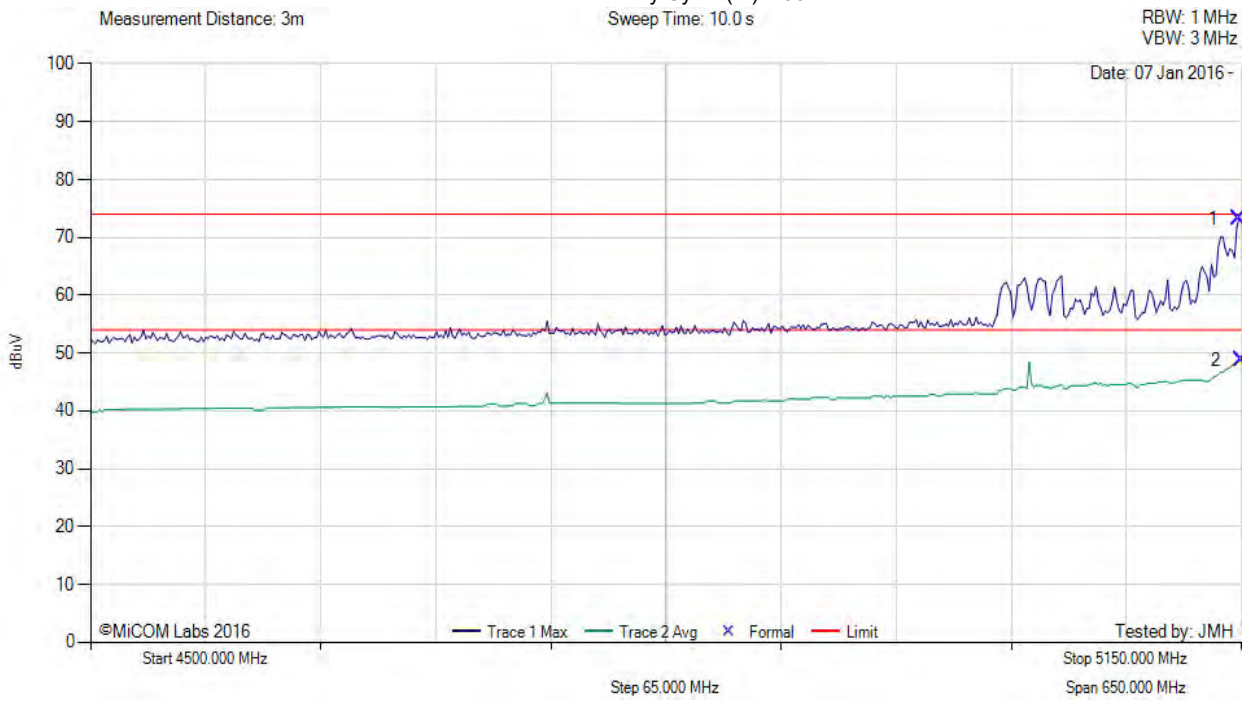
Test Notes: EUT on 150cm table, powered by PDSine 9001GR POE

back to matrix

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5190.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 15.75, Duty Cycle (%): 100



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	5148.70	35.47	3.67	34.11	73.25	Max Peak	Horizontal	190	67	74.0	-0.8	Pass
2	5150.00	10.97	3.67	34.11	48.75	Max Avg	Horizontal	190	67	54.0	-5.3	Pass

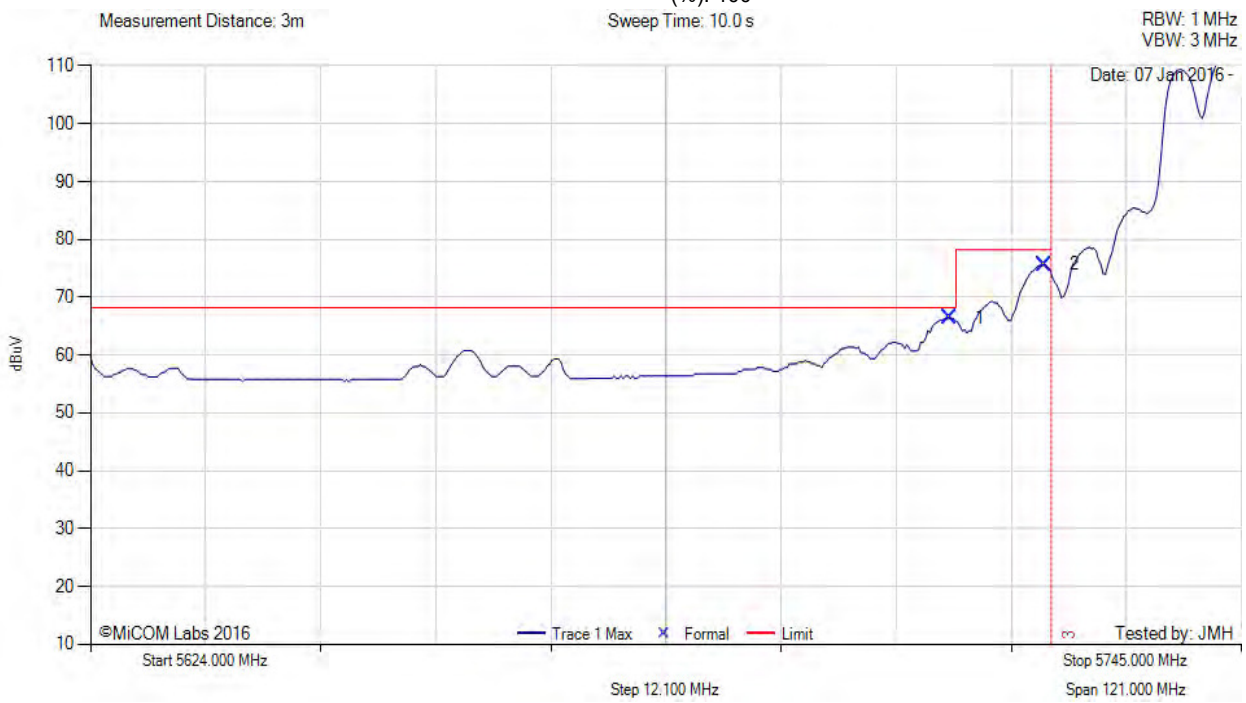
Test Notes: EUT on 150cm table, powered by PDSine 9001GR POE

back to matrix

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5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 21, Duty Cycle (%): 100



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	5714.27	28.31	3.82	34.34	66.47	Marker	Horizontal	195	327	68.2	-1.8	Pass
2	5724.27	37.51	3.79	34.35	75.65	Marker	Horizontal	195	327	78.2	-2.6	Pass
3	5725.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

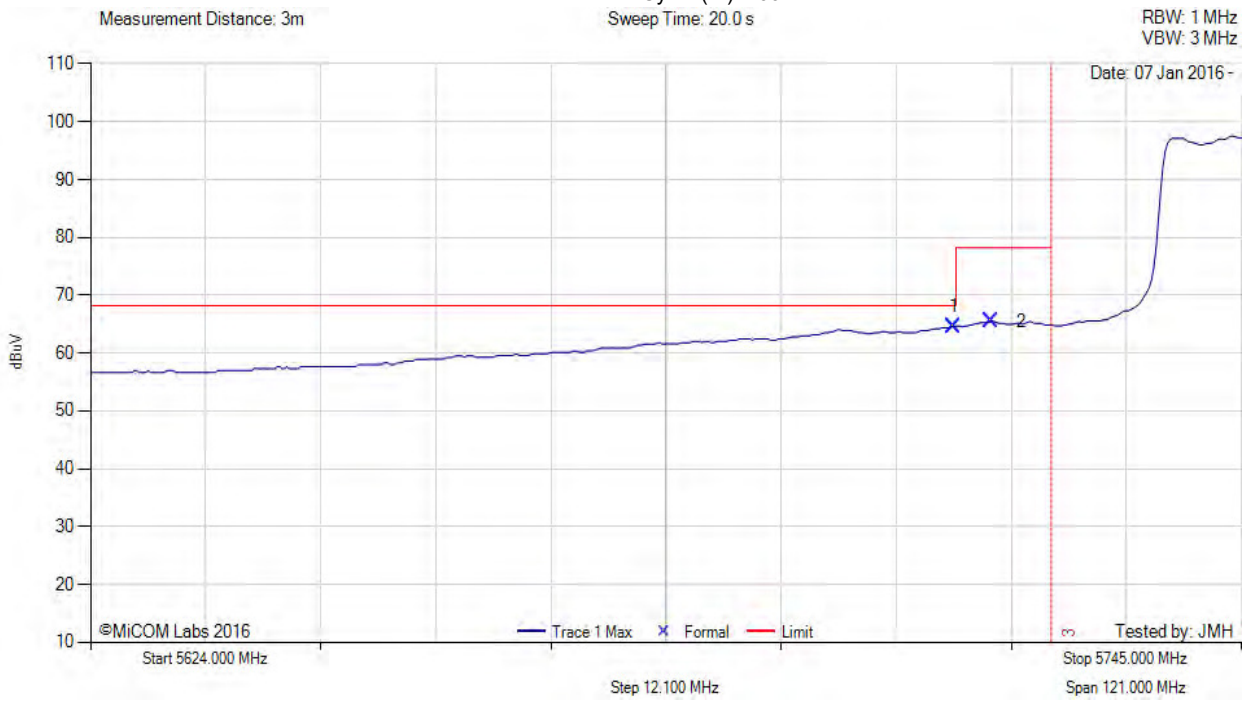
Test Notes: EUT on 150cm table, powered by PDSine 9001GR POE

back to matrix

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5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 20, Duty Cycle (%): 100



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	5714.76	26.38	3.81	34.34	64.53	Marker	Horizontal	195	327	68.2	-3.7	Pass
2	5718.70	27.42	3.80	34.34	65.56	Marker	Horizontal	195	327	78.2	-12.7	Pass
3	5725.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

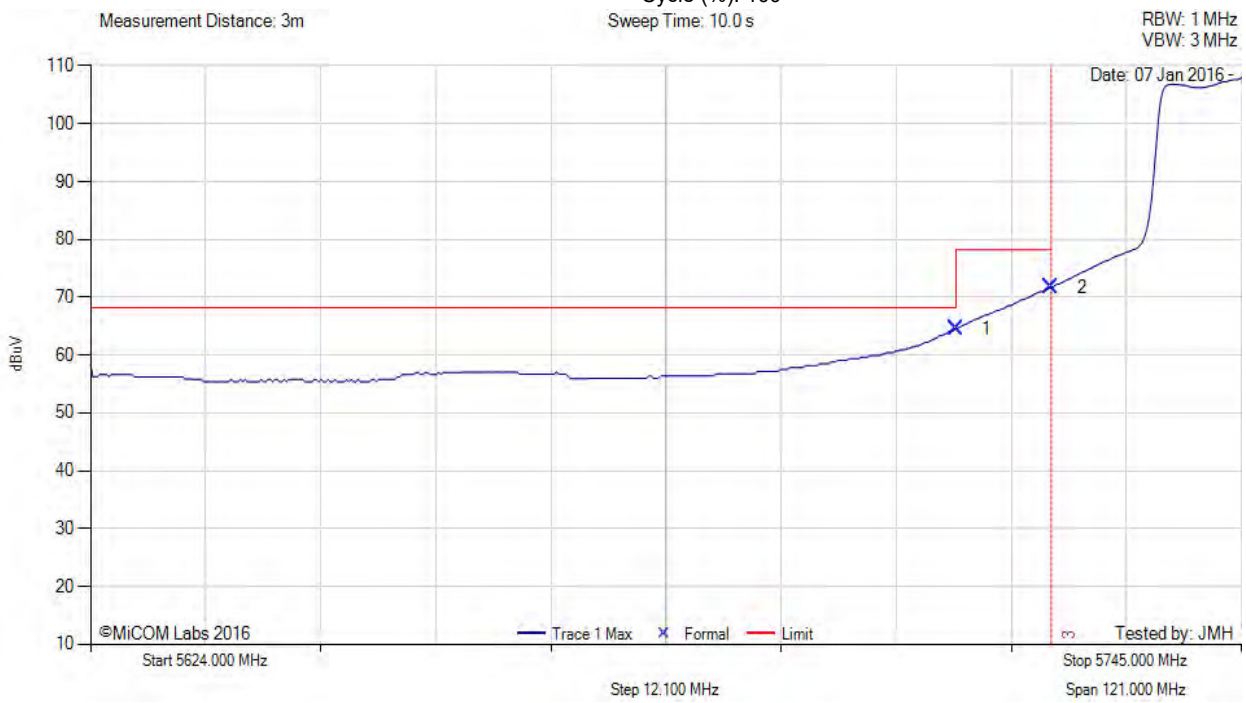
Test Notes: EUT on 150cm table, powered by PDSine 9001GR POE

back to matrix

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5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5745.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 22, Duty Cycle (%): 100



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	26.38	3.81	34.34	64.53	Marker	Horizontal	195	327	68.2	-3.7	Pass
2	5725.00	33.59	3.79	34.35	71.73	Marker	Horizontal	195	327	78.2	-6.5	Pass
3	5725.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

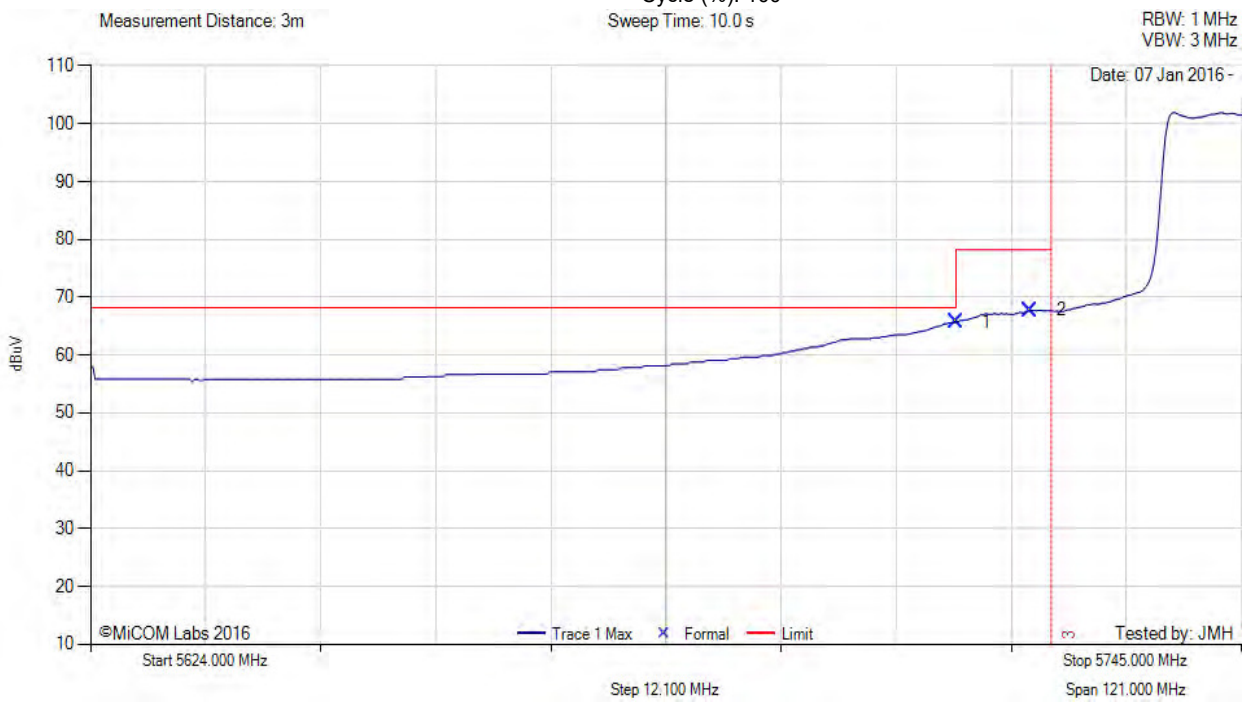
Test Notes: EUT on 150cm table, powered by PDSine 9001GR POE

back to matrix

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5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5755.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 20, Duty Cycle (%): 100



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	27.54	3.81	34.34	65.69	Marker	Horizontal	195	327	68.2	-2.5	Pass
2	5722.82	29.60	3.80	34.35	67.75	Marker	Horizontal	195	327	78.2	-10.5	Pass
3	5725.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

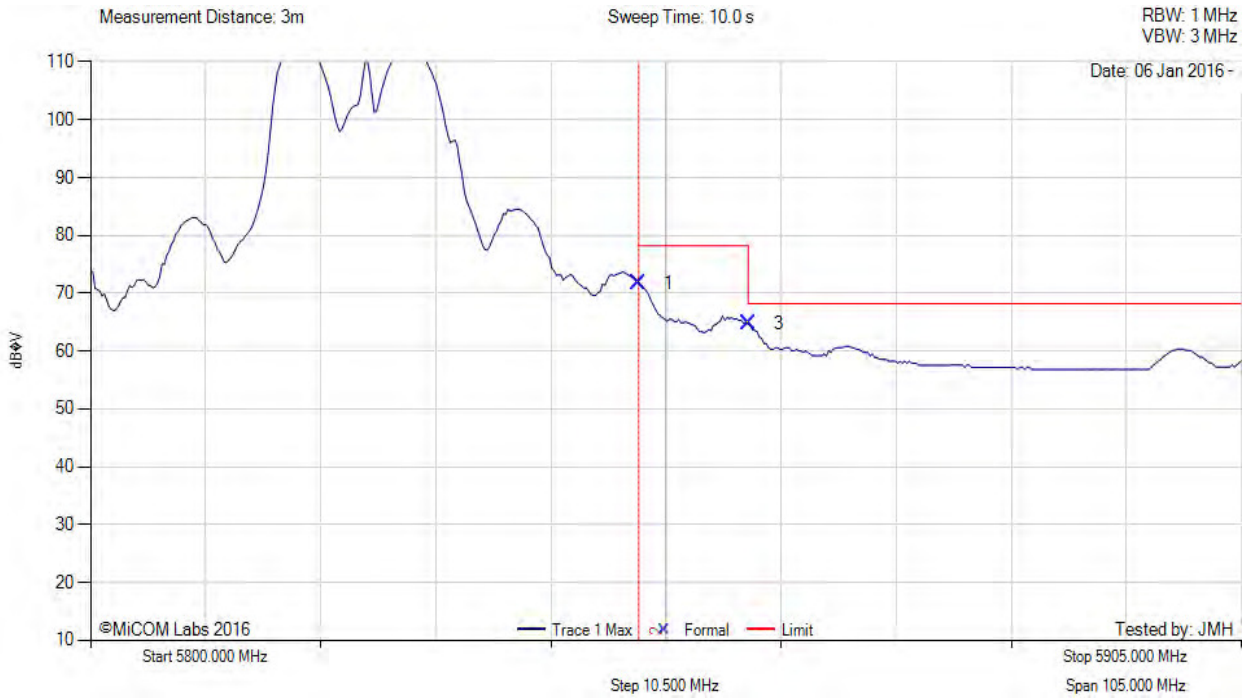
Test Notes: EUT on 150cm table, powered by PDSine 9001GR POE

back to matrix

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5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 21



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	33.34	3.81	34.63	71.78	Marker	Horizontal	156	74	78.2	-6.5	Pass
2	5850.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	
3	5860.00	26.24	3.86	34.65	64.75	Marker	Horizontal	156	74	68.2	-3.5	Pass

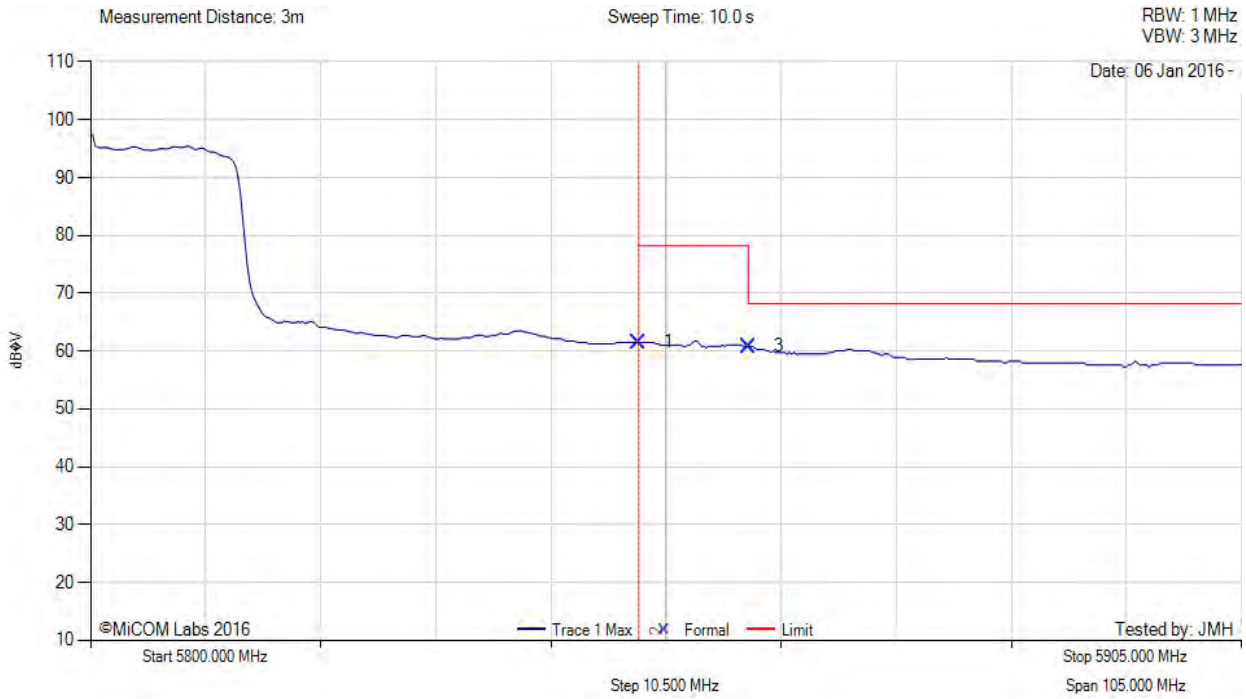
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 22



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	23.07	3.81	34.63	61.51	Marker	Horizontal	156	74	78.2	-16.7	Pass
2	5850.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	
3	5860.00	22.31	3.86	34.65	60.82	Marker	Horizontal	156	74	68.2	-7.4	Pass

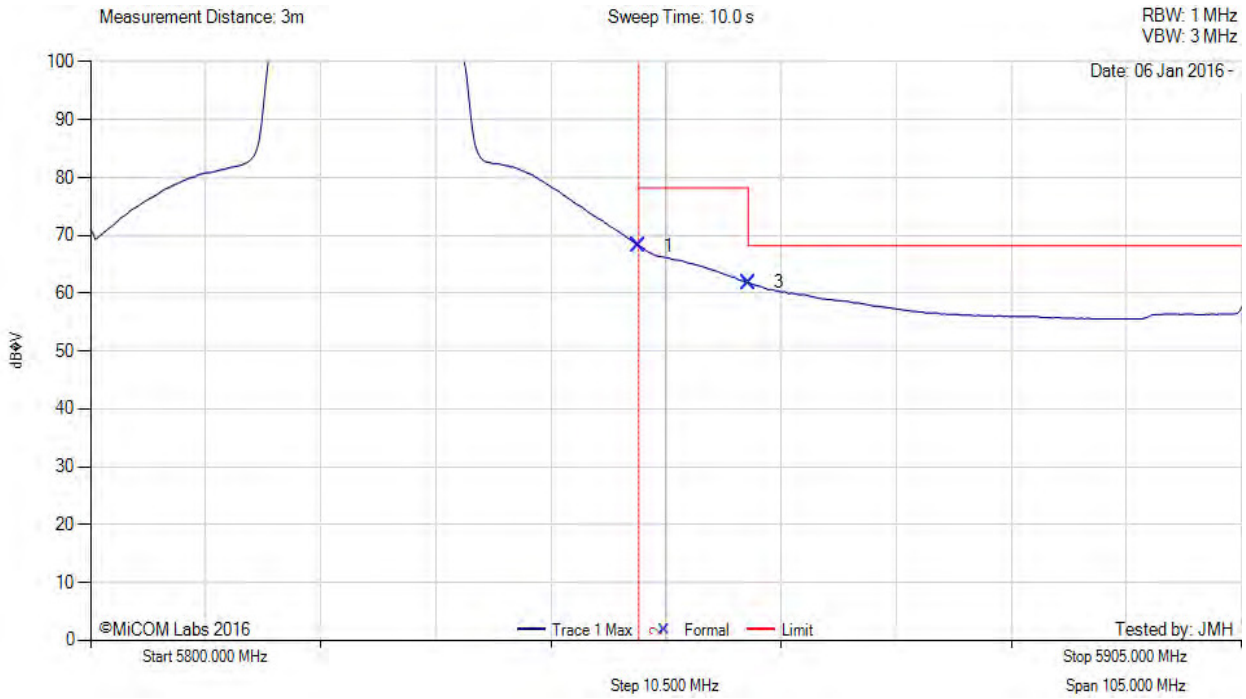
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5825.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 22



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	29.77	3.81	34.63	68.21	Marker	Horizontal	156	74	78.2	-10.0	Pass
2	5850.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	
3	5860.00	23.37	3.86	34.65	61.88	Marker	Horizontal	156	74	68.2	-6.4	Pass

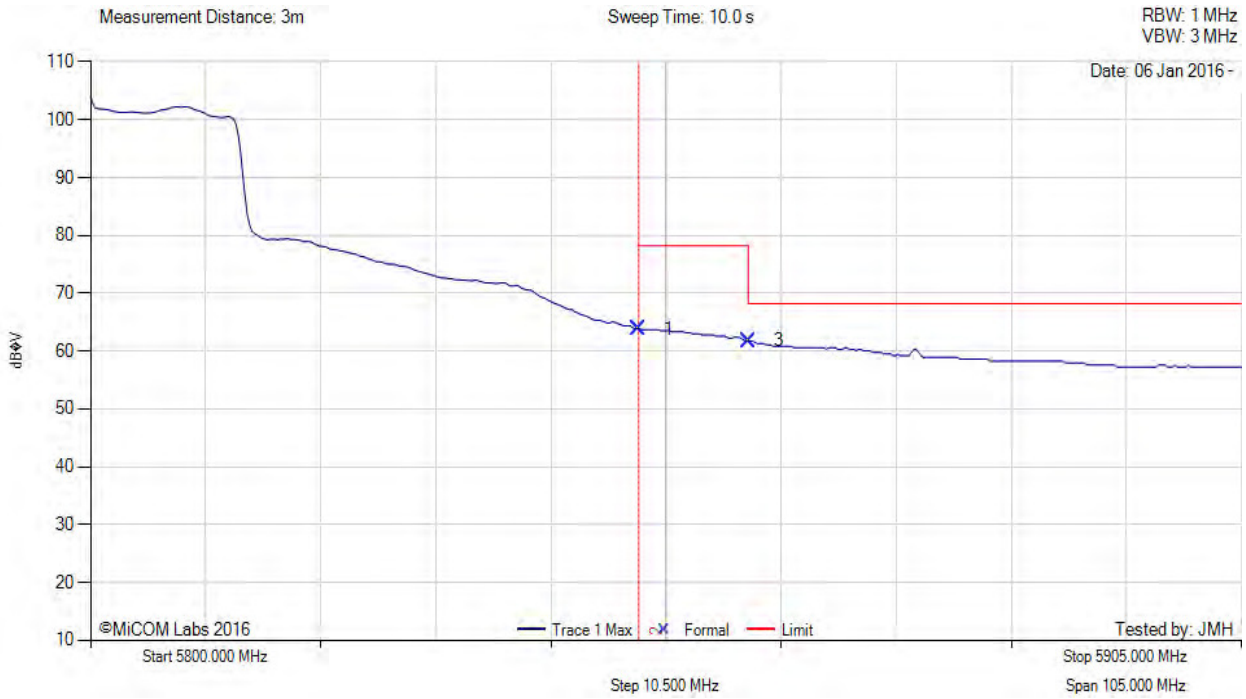
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5795.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 22



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	25.45	3.81	34.63	63.89	Marker	Horizontal	156	74	78.2	-14.3	Pass
2	5850.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	
3	5860.00	23.25	3.86	34.65	61.76	Marker	Horizontal	156	74	68.2	-6.5	Pass

Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

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