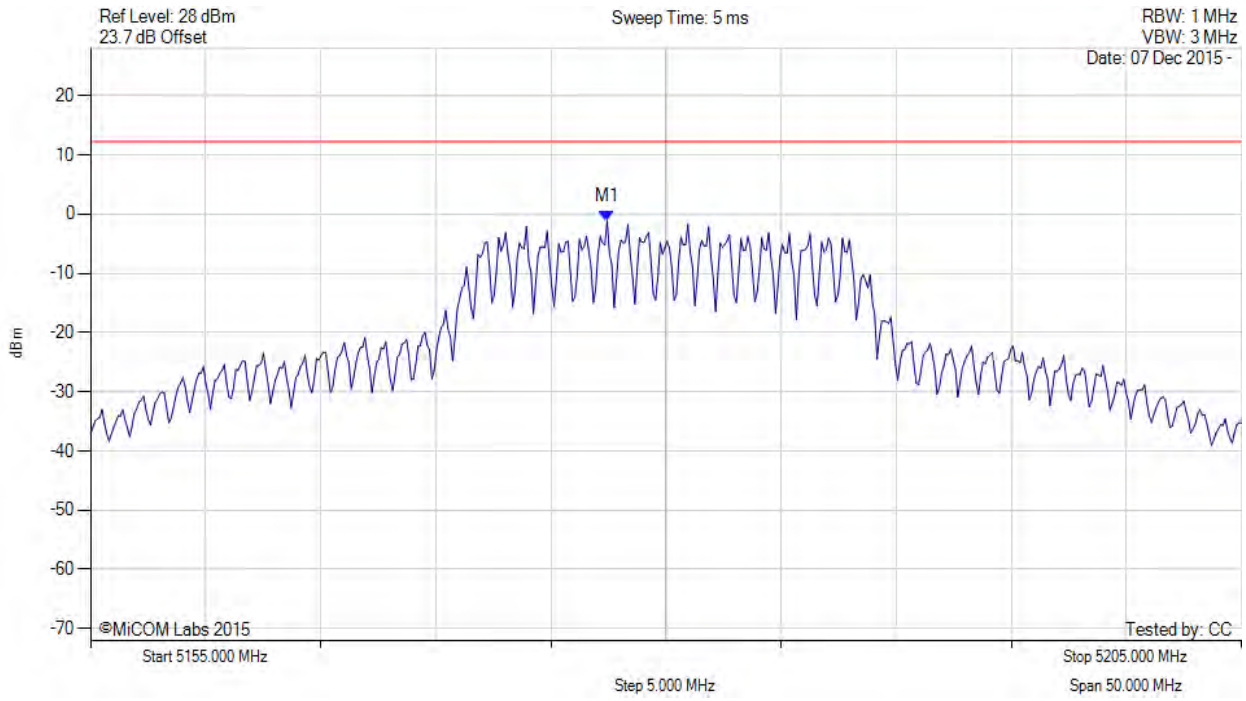
A.2. Power Spectral Density

POWER SPECTRAL DENSITY

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

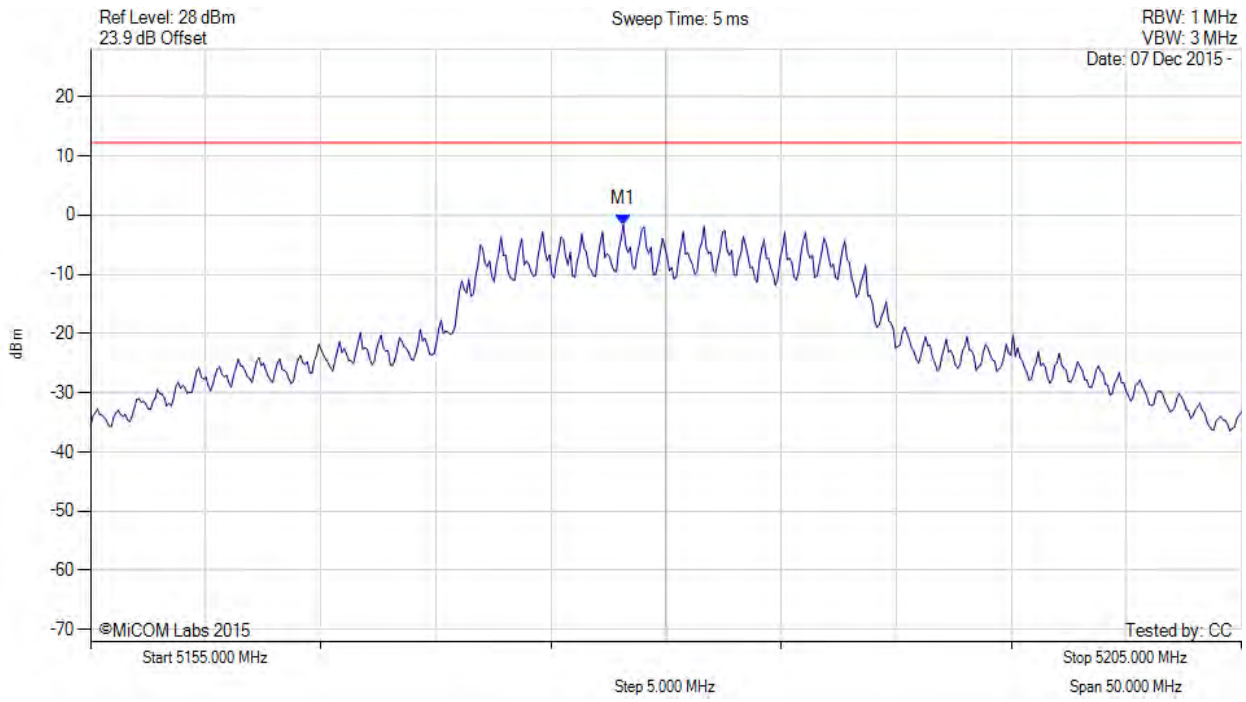


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5177.445 MHz : -1.166 dBm	Limit: ≤ 12.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

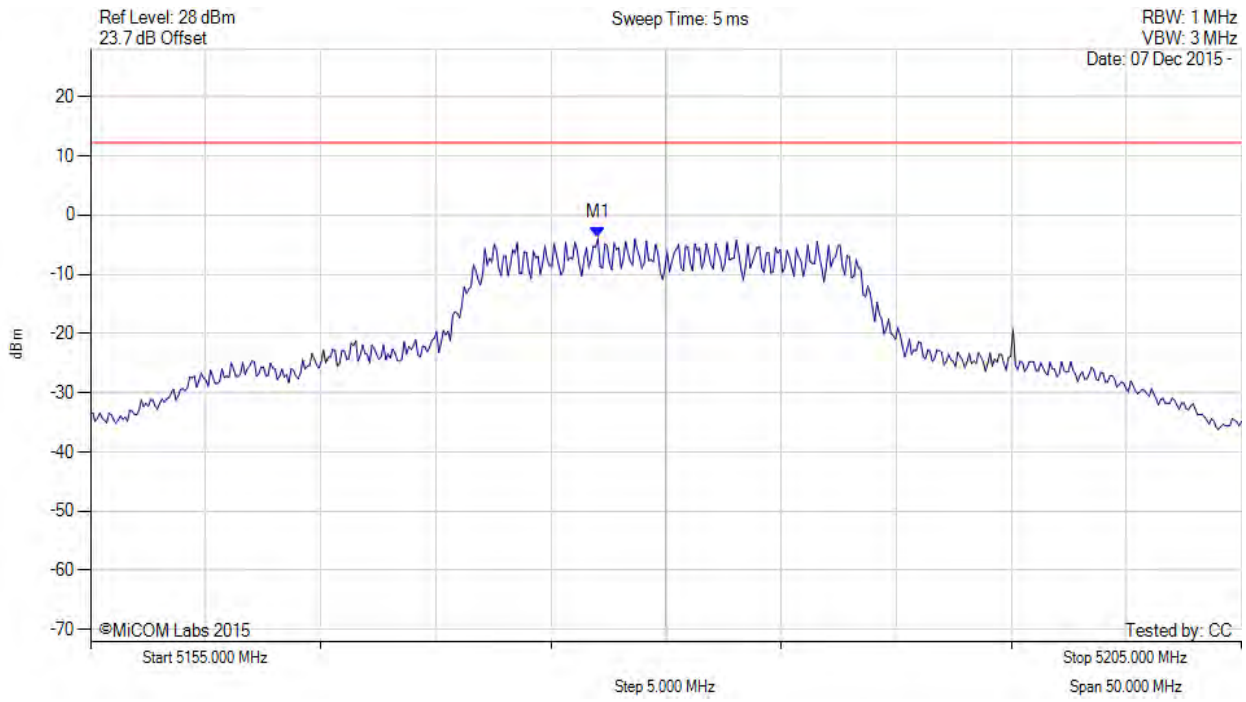


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5178.146 MHz : -1.582 dBm	Limit: ≤ 12.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

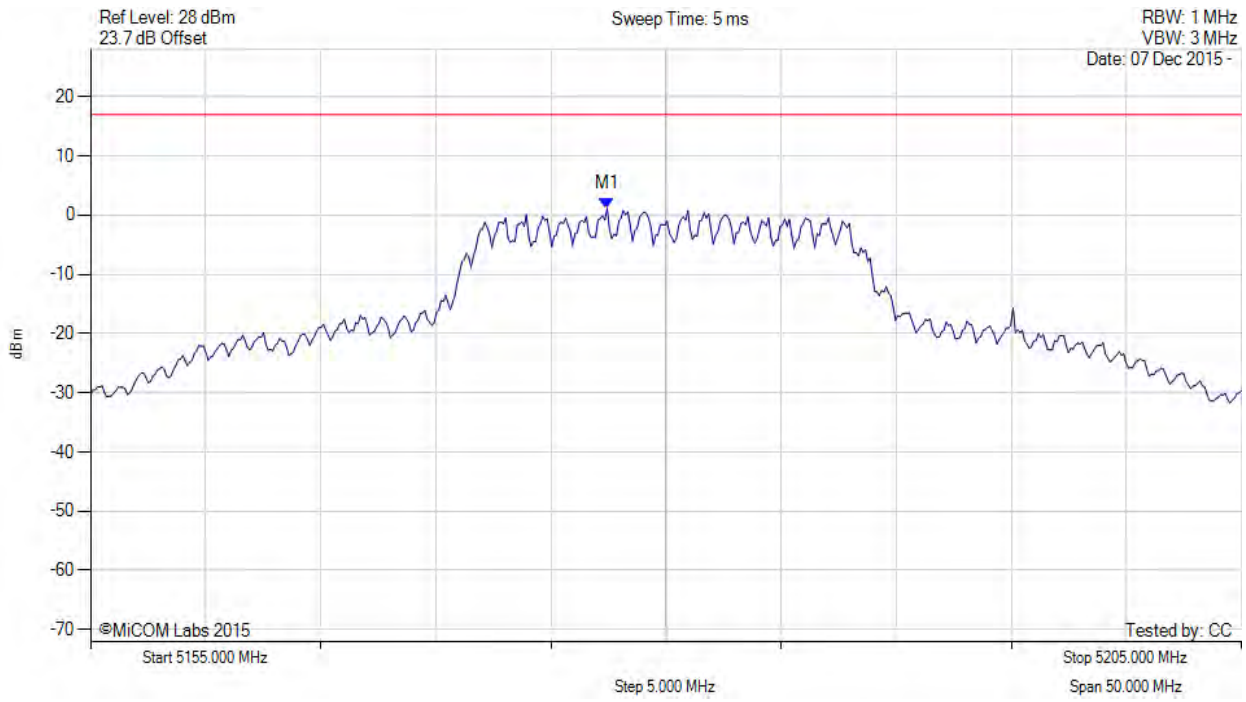


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5177.044 MHz : -3.876 dBm	Limit: ≤ 12.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

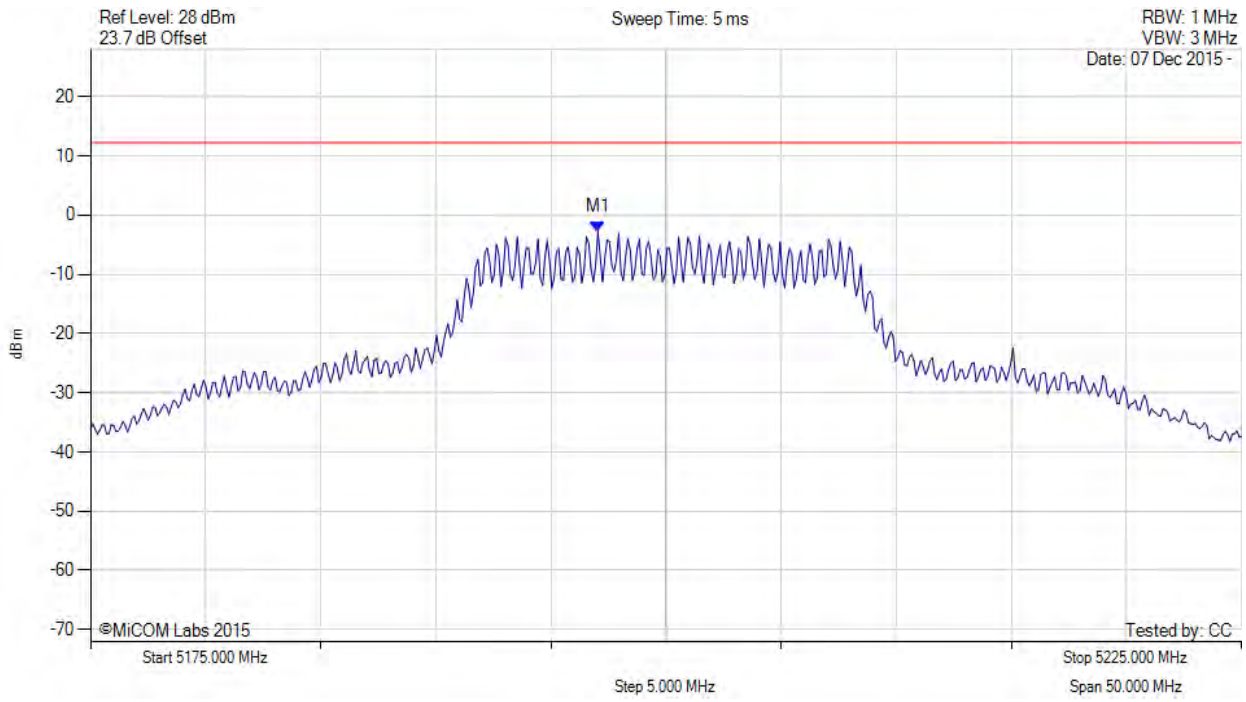


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5177.400 MHz : 1.088 dBm M1 + DCCF : 5177.400 MHz : 3.684 dBm Duty Cycle Correction Factor : +2.6 dB	Limit: ≤ 17.0 dBm Margin: -13.3 dB

back to matrix

POWER SPECTRAL DENSITY

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

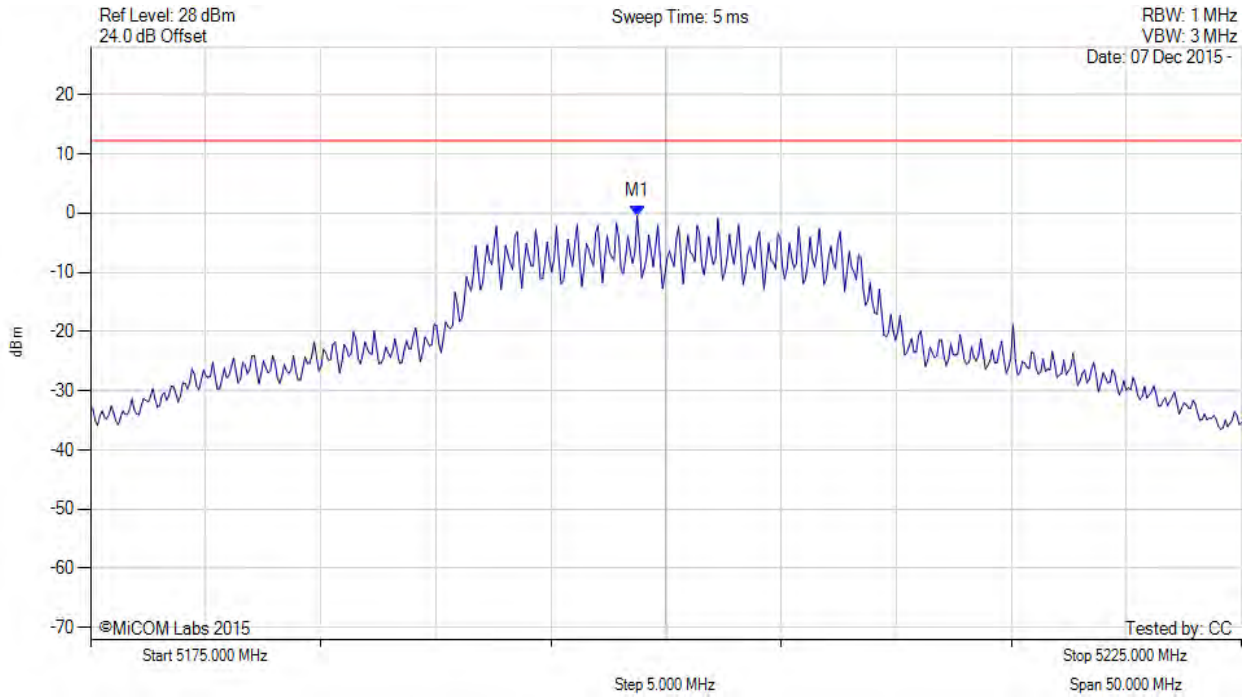


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5197.044 MHz : -2.817 dBm	Limit: ≤ 12.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

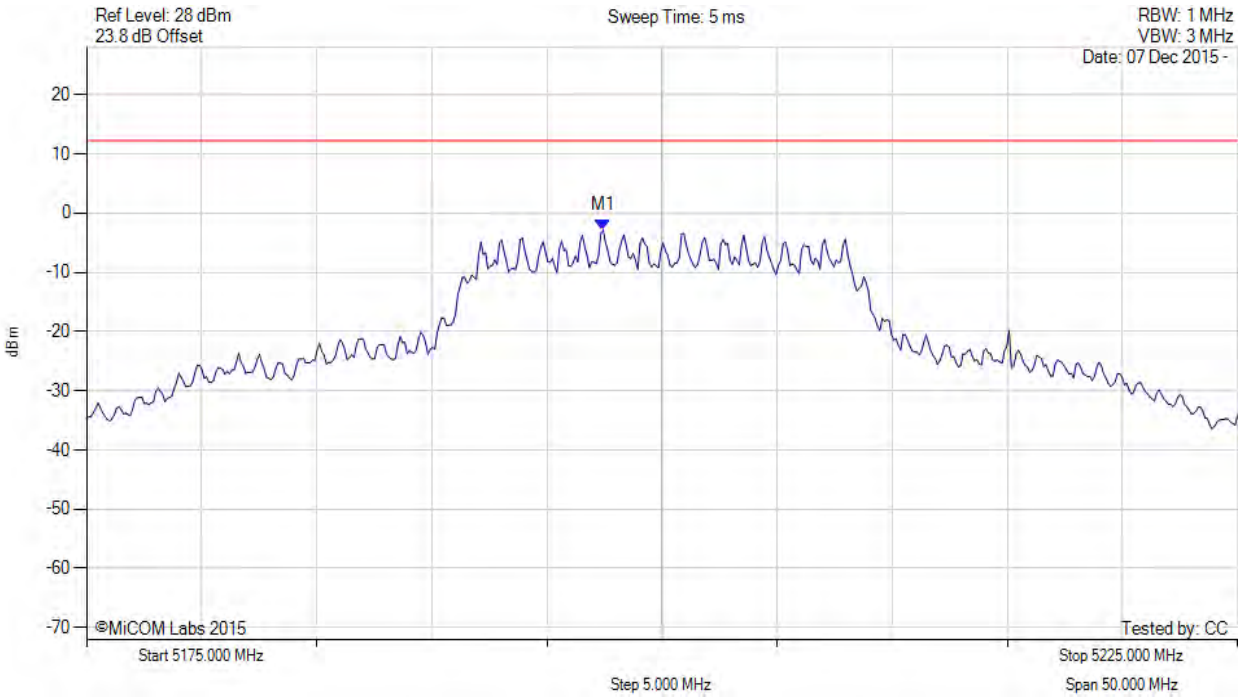


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5198.747 MHz : -0.459 dBm	Channel Frequency: 5200.00 MHz

back to matrix

POWER SPECTRAL DENSITY

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

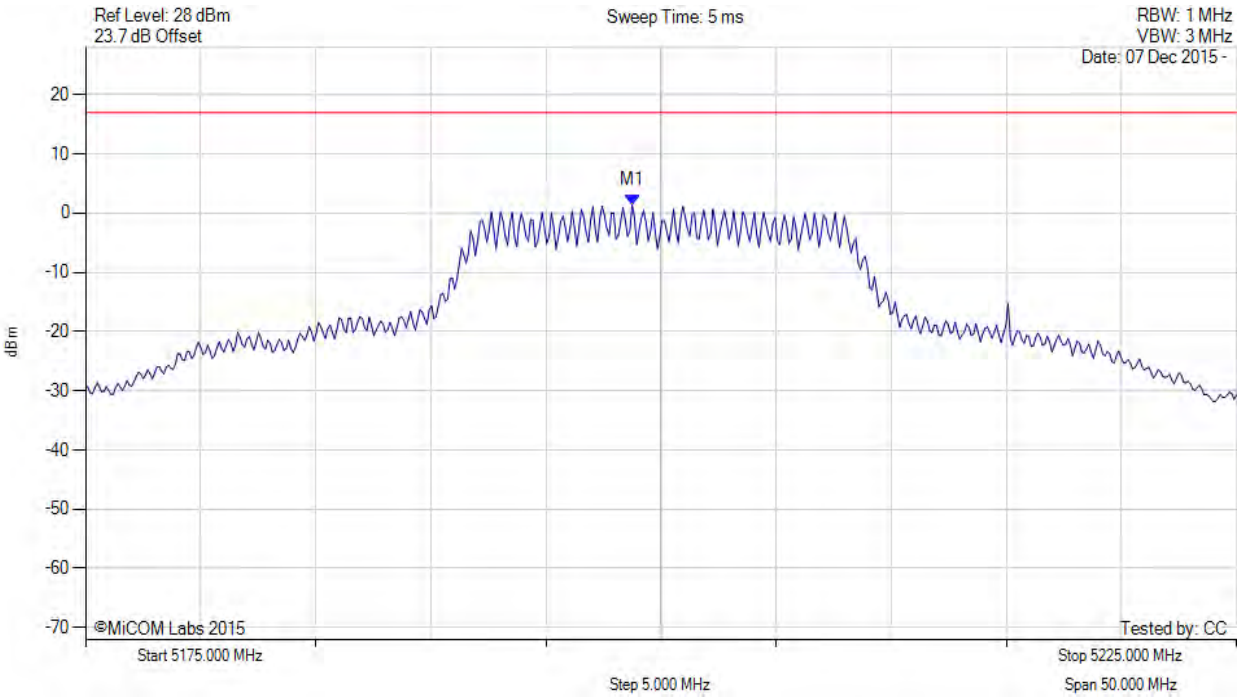


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5197.445 MHz : -2.874 dBm	Limit: ≤ 12.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

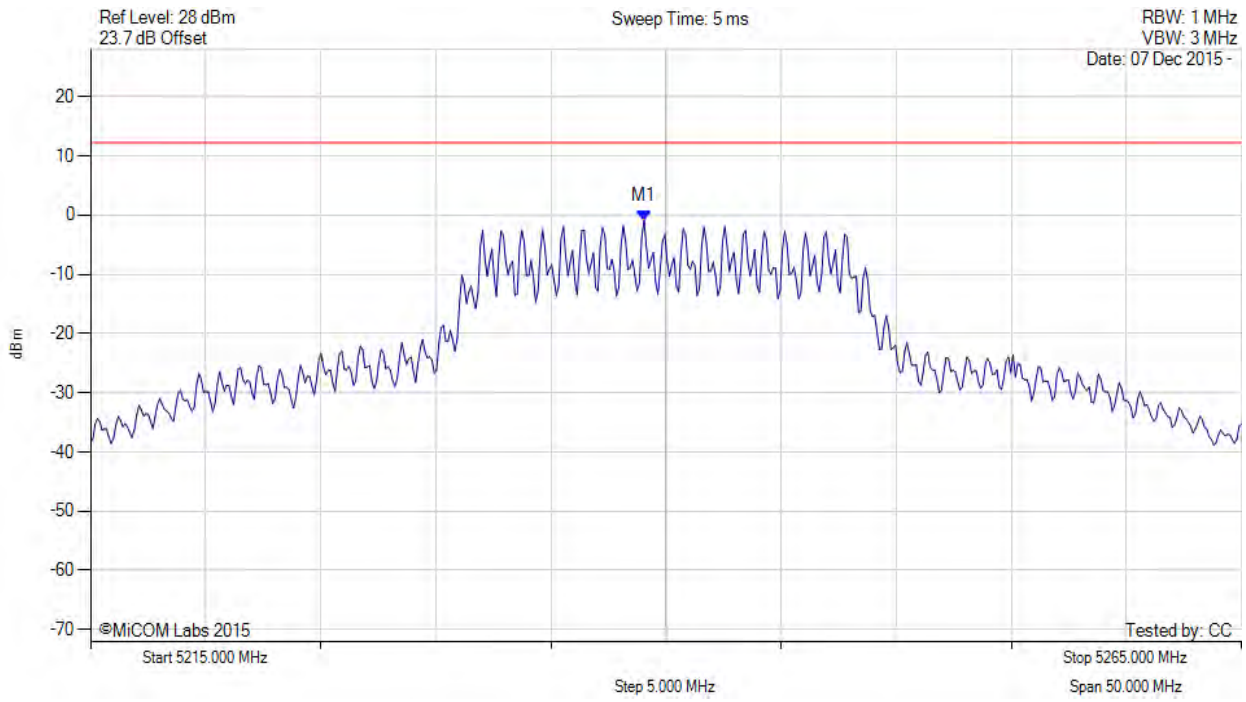


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5198.700 MHz : 1.413 dBm M1 + DCCF : 5198.700 MHz : 4.009 dBm Duty Cycle Correction Factor : +2.6 dB	Limit: ≤ 17.0 dBm Margin: -13.0 dB

back to matrix

POWER SPECTRAL DENSITY

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

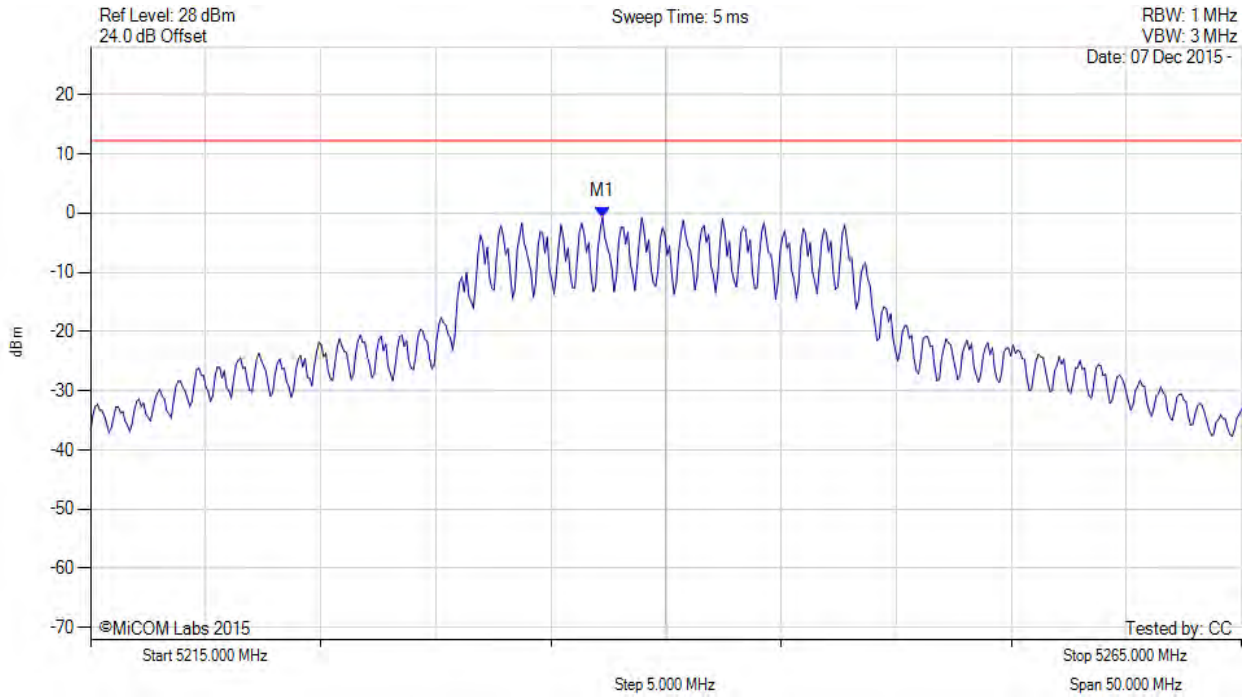


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5239.048 MHz : -0.944 dBm	Limit: ≤ 12.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

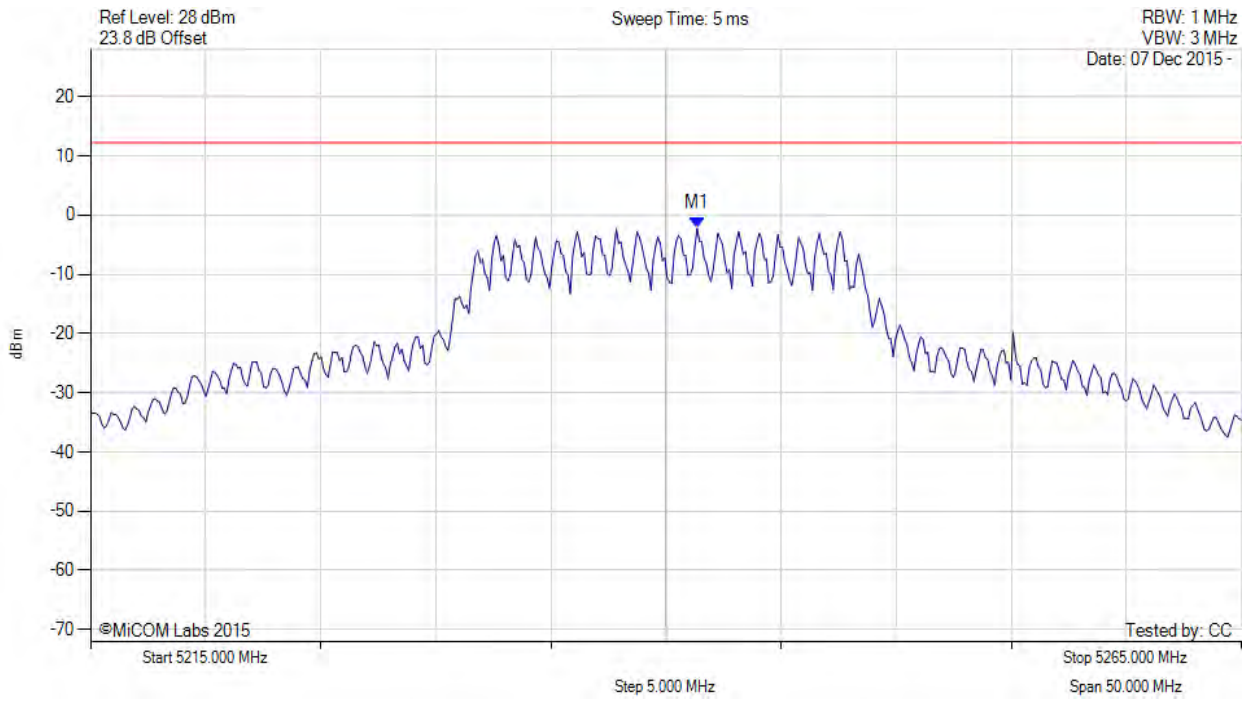


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5237.244 MHz : -0.650 dBm	Limit: ≤ 12.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

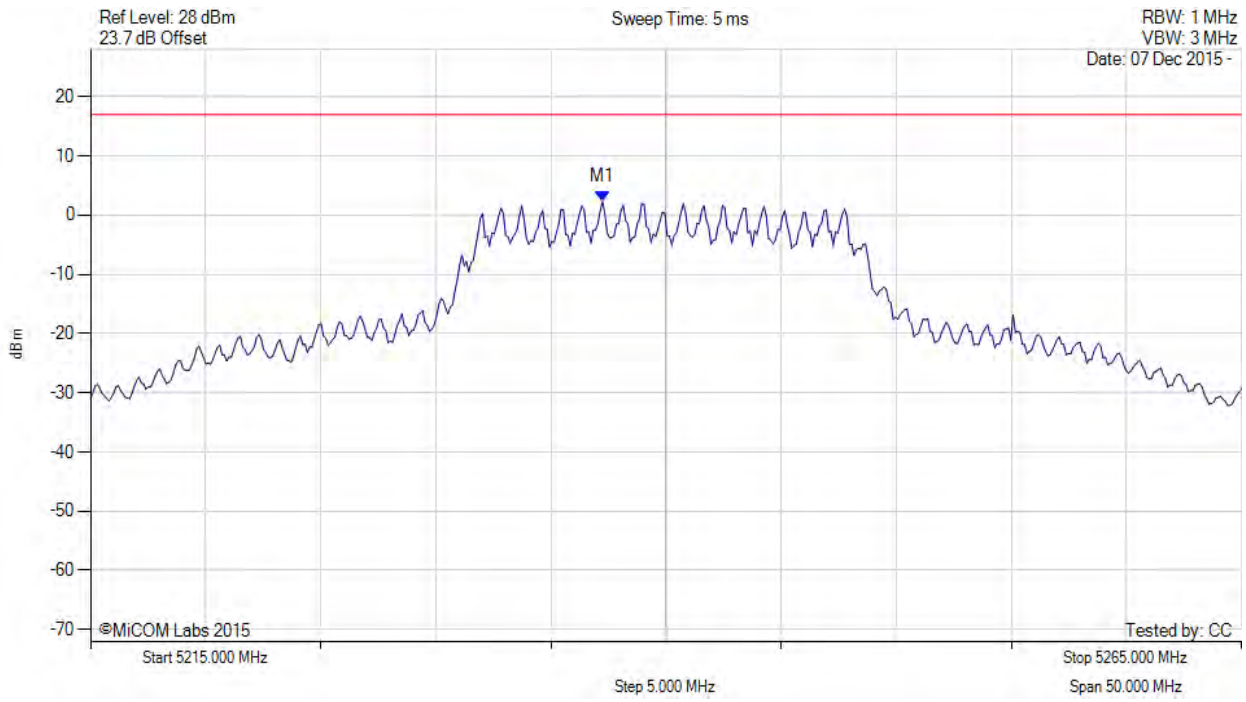


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5241.353 MHz : -2.239 dBm	Limit: ≤ 12.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

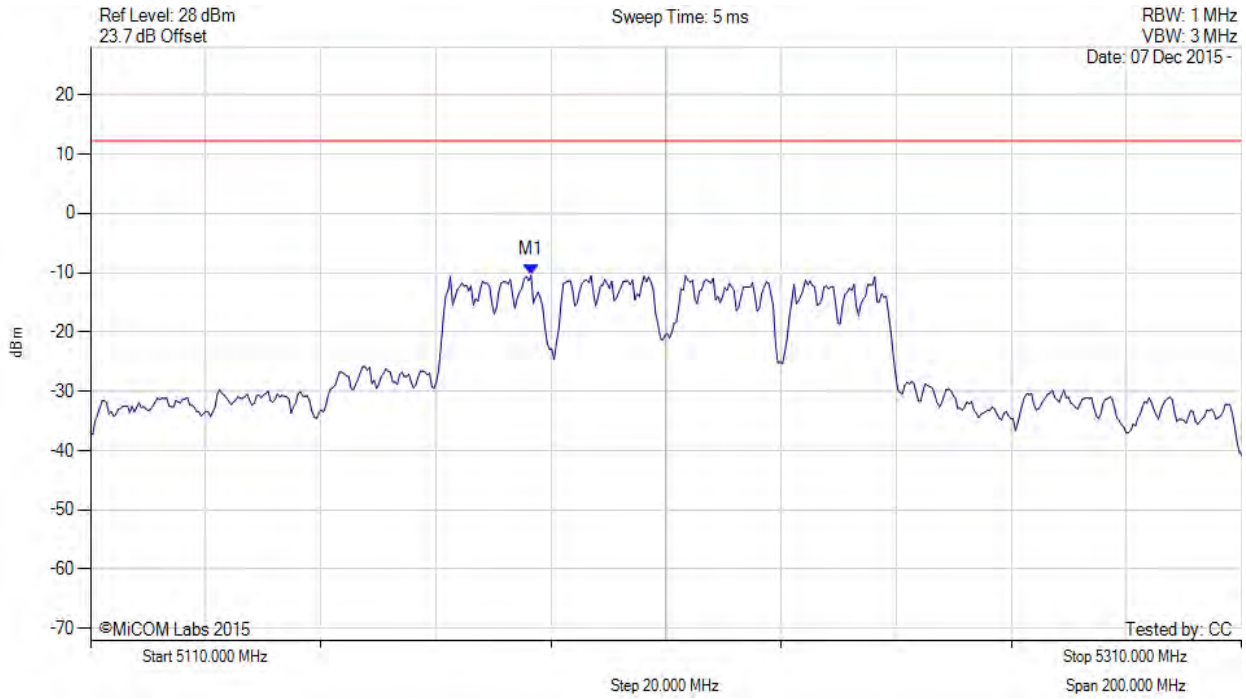


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5237.200 MHz : 2.257 dBm M1 + DCCF : 5237.200 MHz : 4.853 dBm Duty Cycle Correction Factor : +2.6 dB	Limit: ≤ 17.0 dBm Margin: -12.1 dB

back to matrix

POWER SPECTRAL DENSITY

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

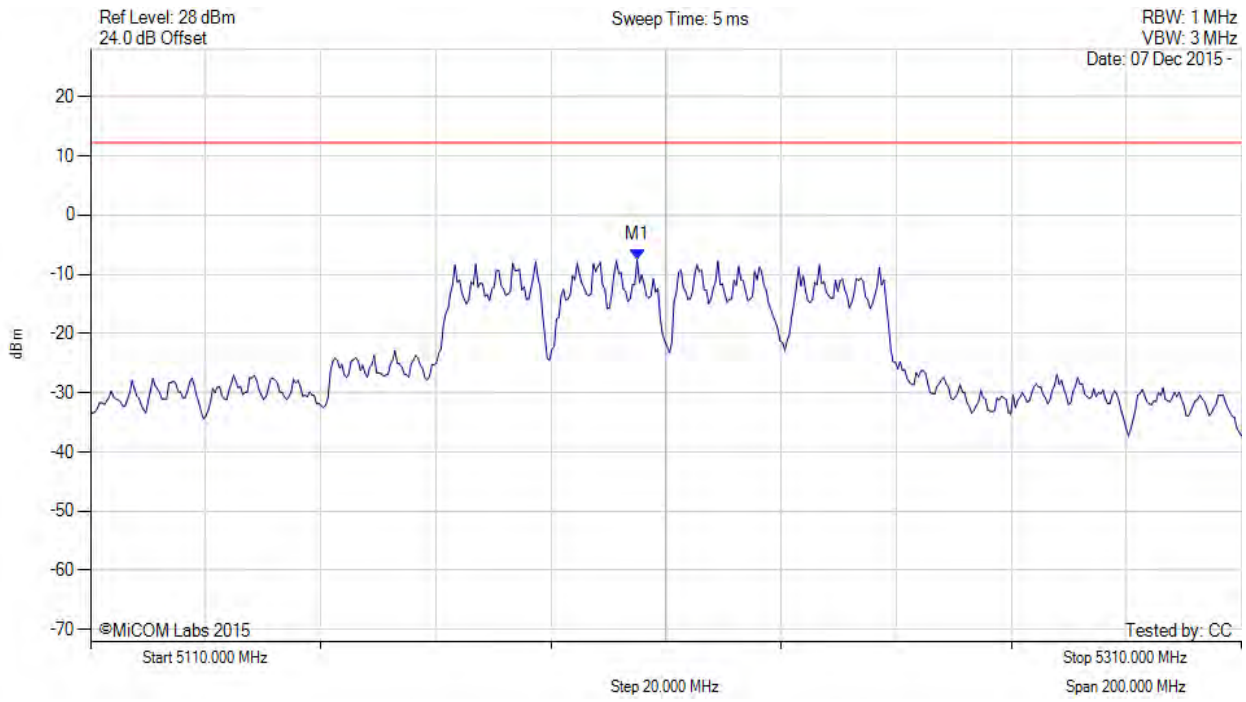


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5186.553 MHz : -10.404 dBm	Limit: ≤ 12.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

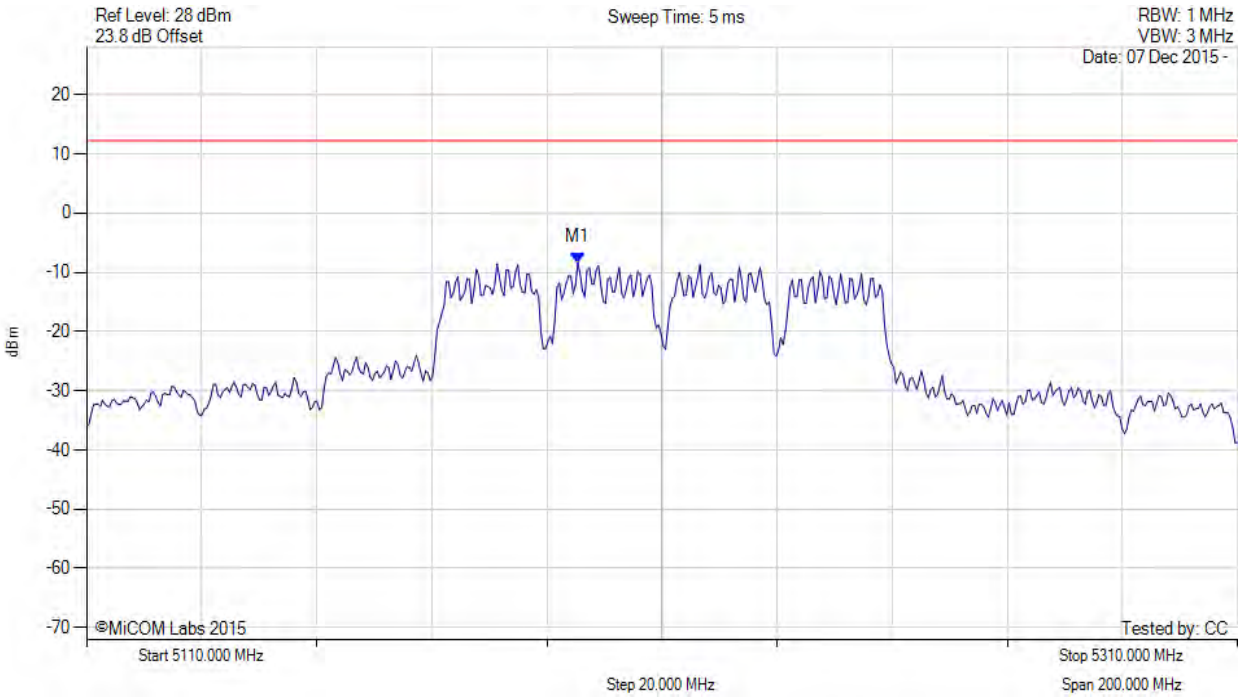


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5204.990 MHz : -7.504 dBm	Limit: ≤ 12.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

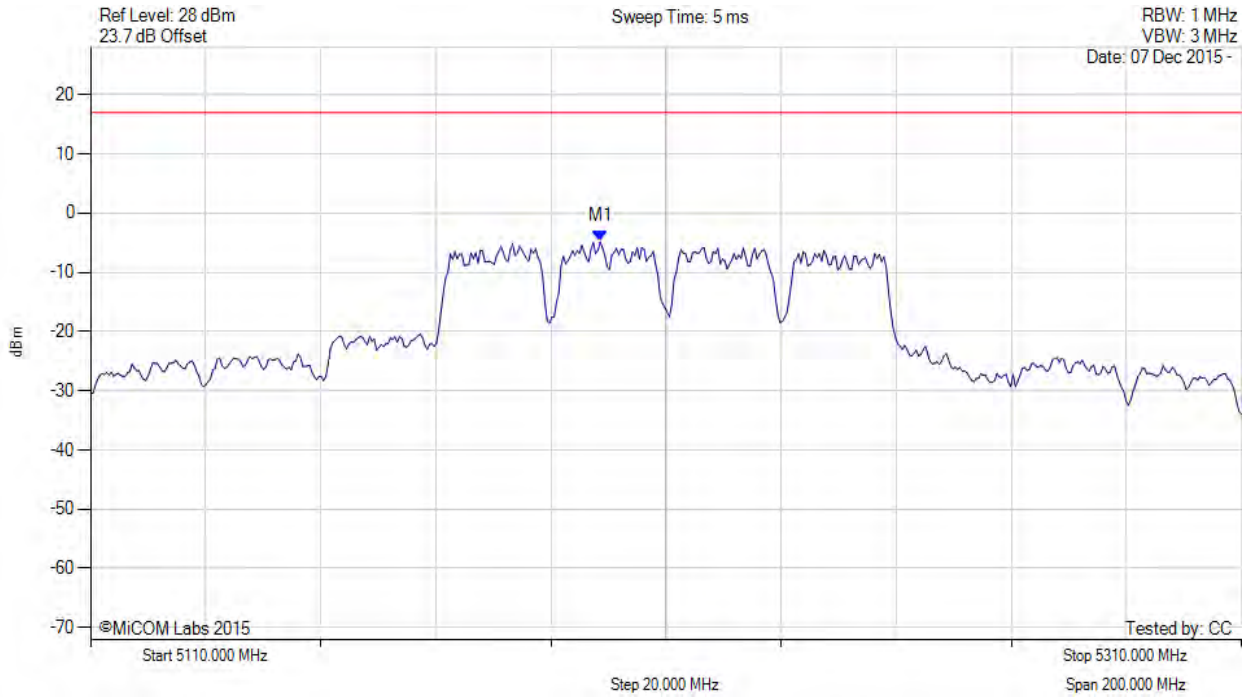


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5195.371 MHz : -8.368 dBm	Limit: ≤ 12.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

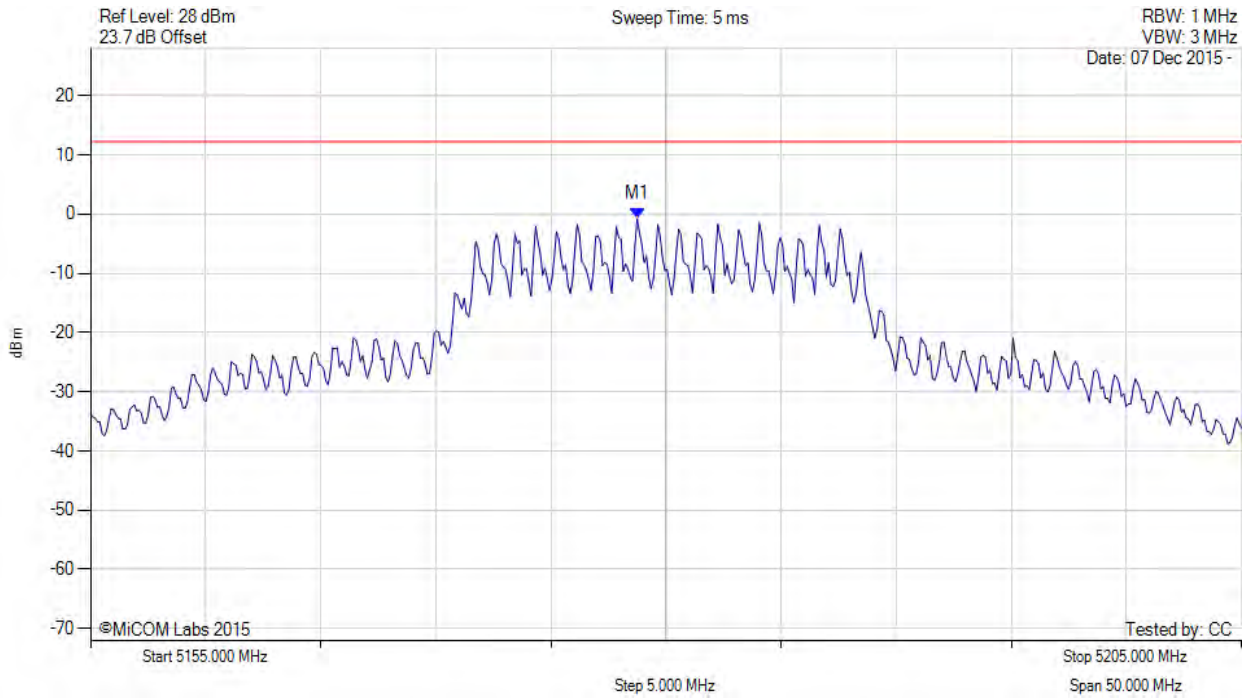


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5198.600 MHz : -4.846 dBm M1 + DCCF : 5198.600 MHz : -2.770 dBm Duty Cycle Correction Factor : +2.08 dB	Limit: ≤ 17.0 dBm Margin: -19.7 dB

back to matrix

POWER SPECTRAL DENSITY

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

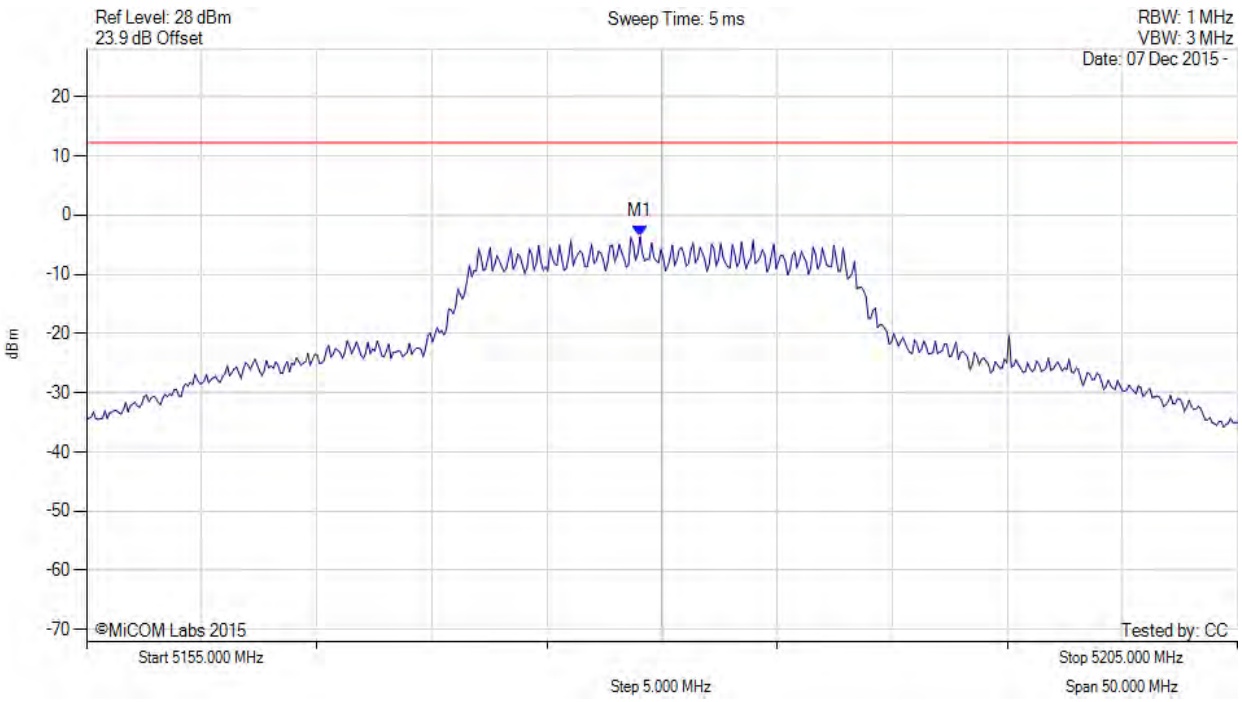


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5178.747 MHz : -0.817 dBm	Limit: ≤ 12.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

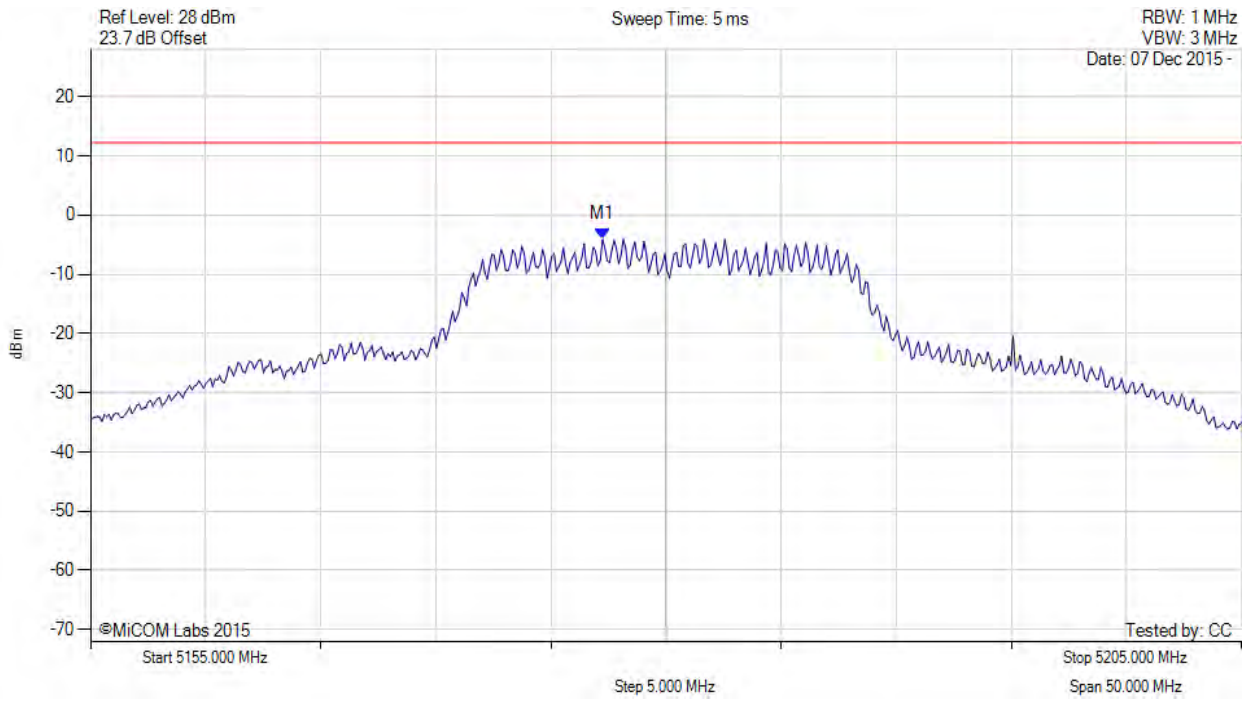


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5179.048 MHz : -3.623 dBm	Limit: ≤ 12.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

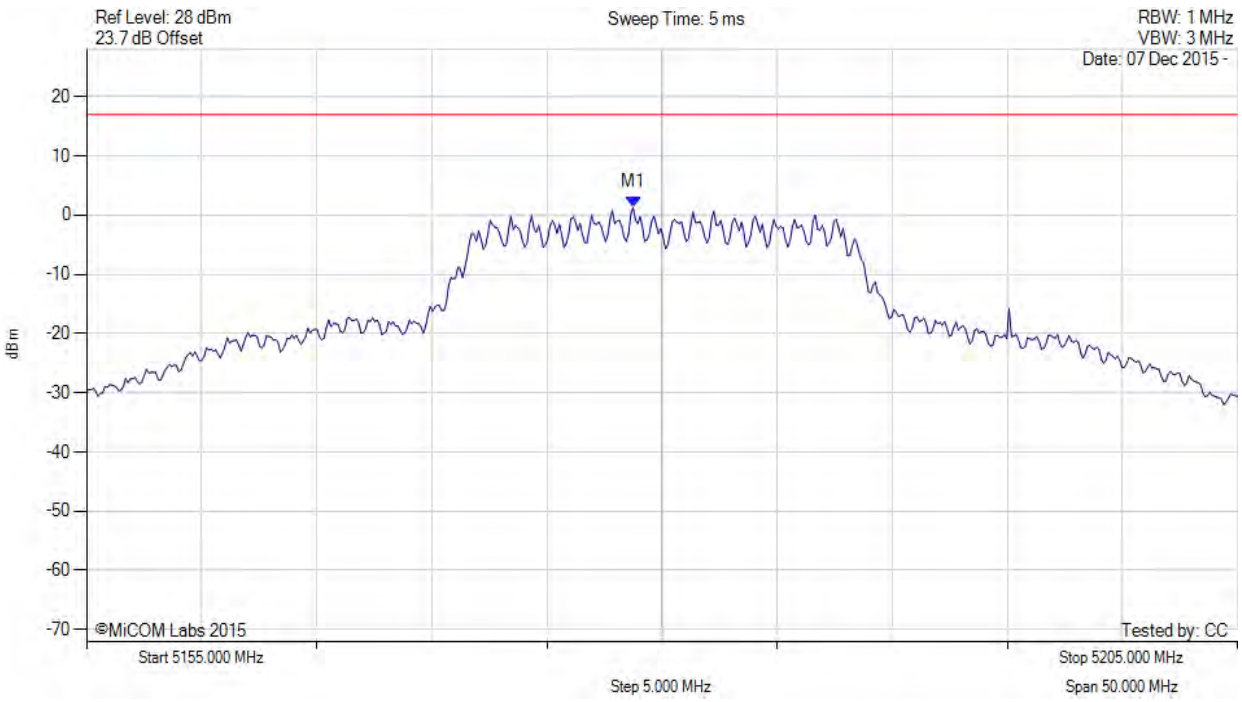


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5177.244 MHz : -4.091 dBm	Limit: ≤ 12.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

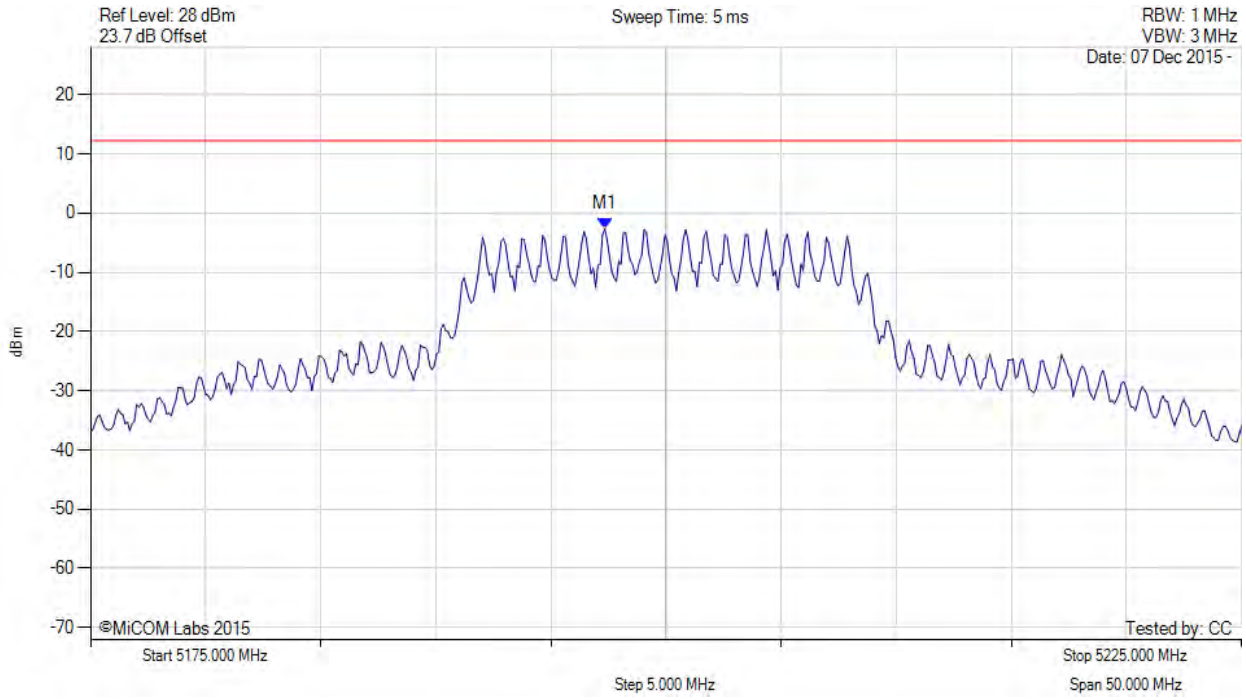


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5178.700 MHz : 1.308 dBm M1 + DCCF : 5178.700 MHz : 1.670 dBm Duty Cycle Correction Factor : +0.36 dB	Limit: ≤ 17.0 dBm Margin: -15.3 dB

back to matrix

POWER SPECTRAL DENSITY

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

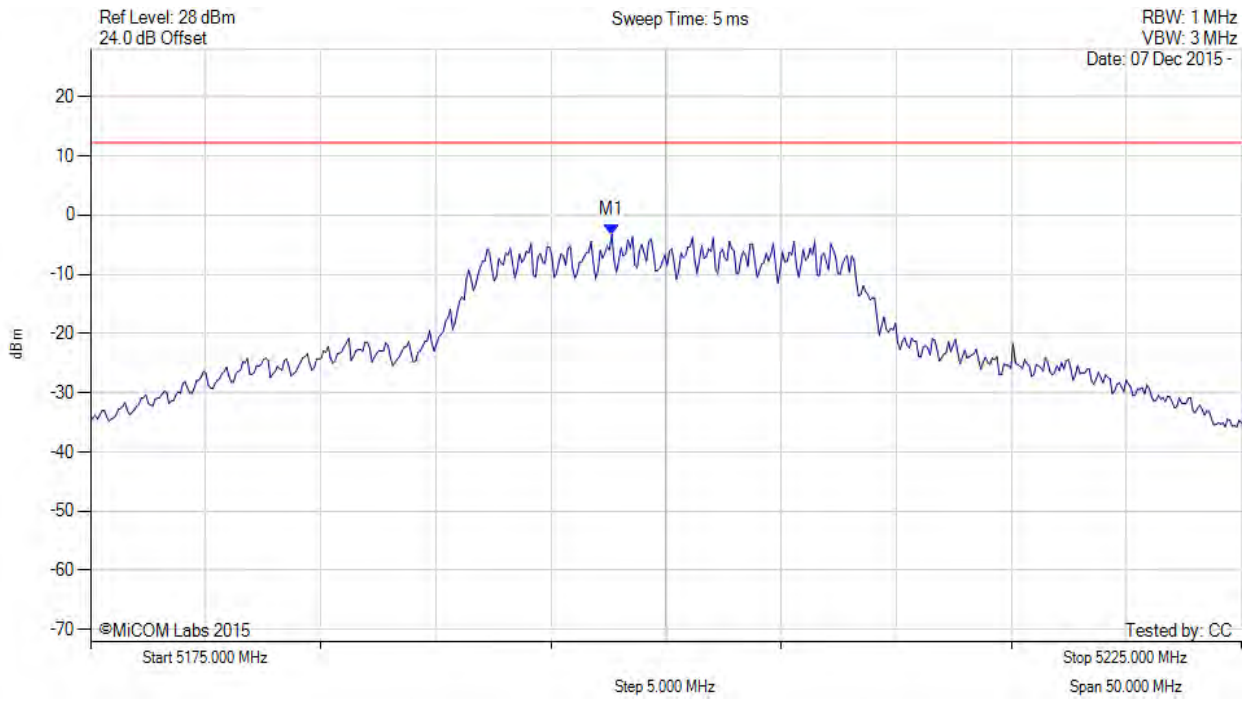


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5197.345 MHz : -2.685 dBm	Limit: ≤ 12.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

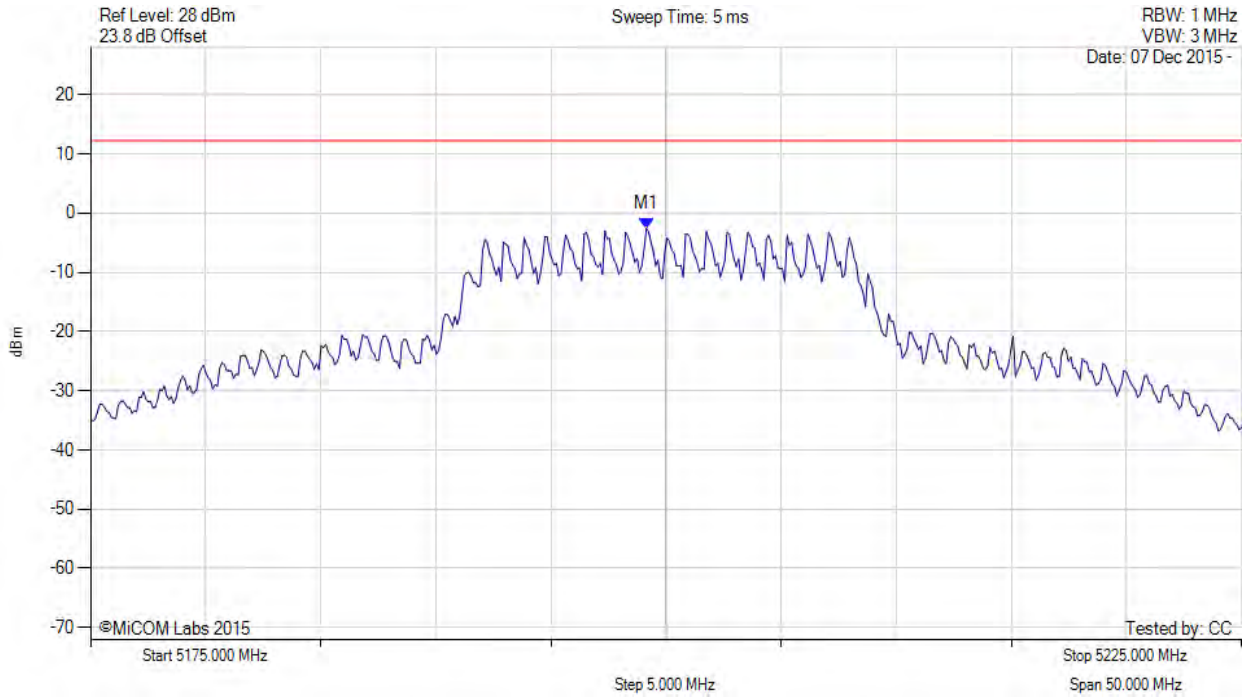


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5197.645 MHz : -3.251 dBm	Channel Frequency: 5200.00 MHz

back to matrix

POWER SPECTRAL DENSITY

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

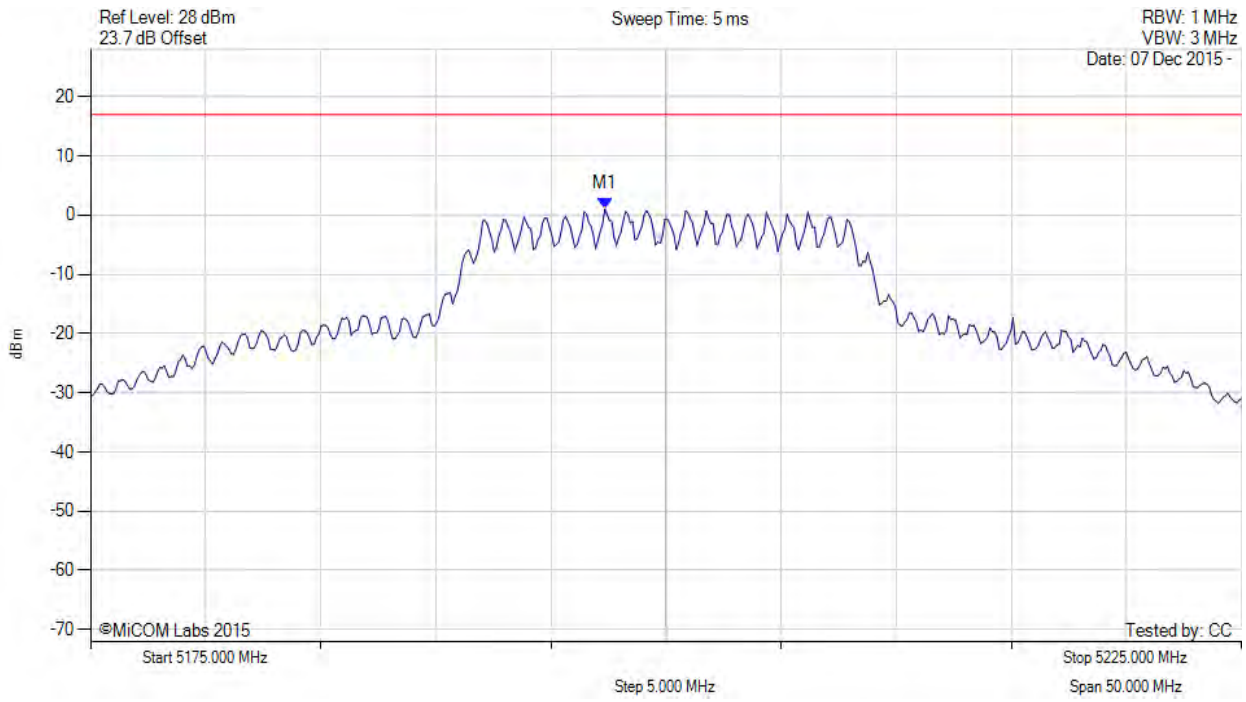


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5199.148 MHz : -2.572 dBm	Limit: ≤ 12.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

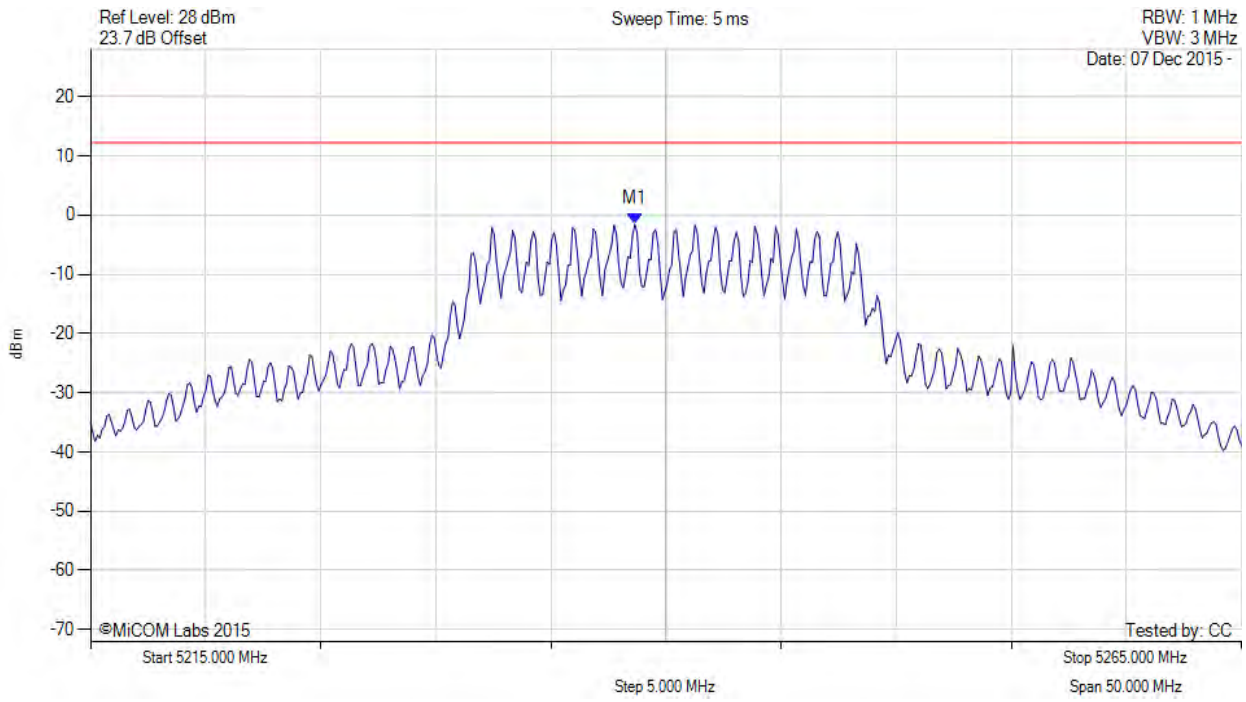


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5197.300 MHz : 1.027 dBm M1 + DCCF : 5197.300 MHz : 1.389 dBm Duty Cycle Correction Factor : +0.36 dB	Limit: ≤ 17.0 dBm Margin: -15.6 dB

back to matrix

POWER SPECTRAL DENSITY

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

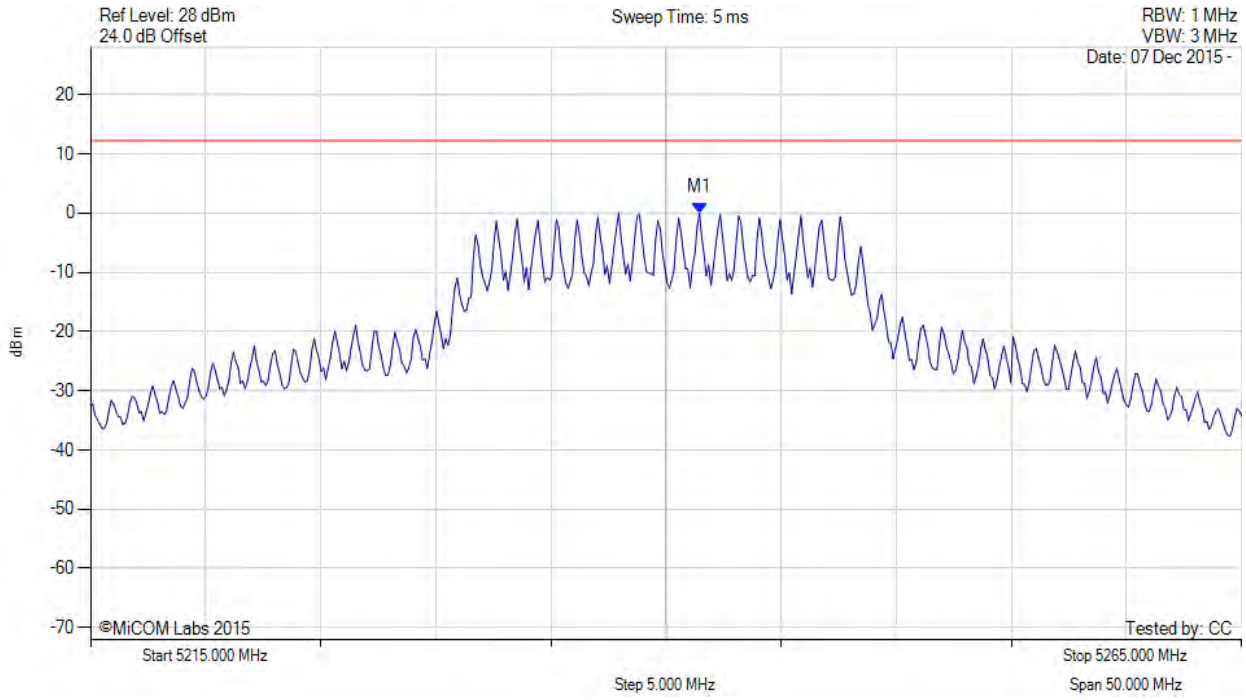


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5238.647 MHz : -1.526 dBm	Limit: ≤ 12.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

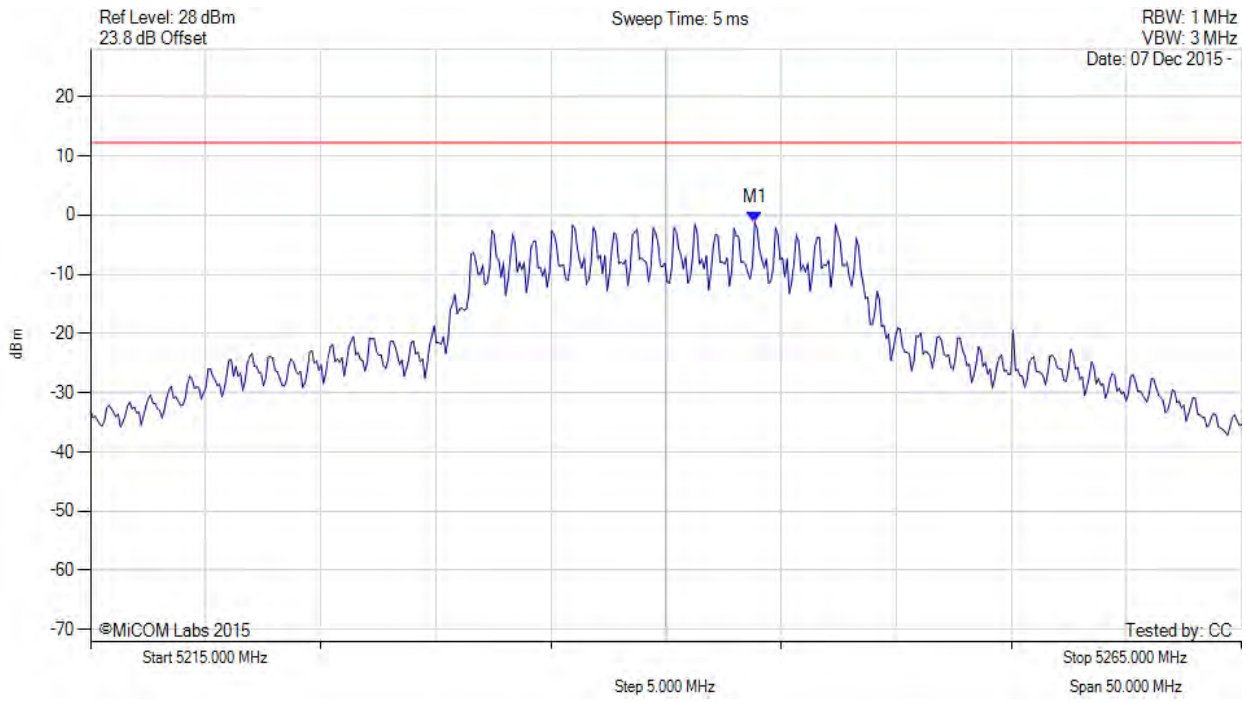


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5241.453 MHz : 0.048 dBm	Limit: ≤ 12.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

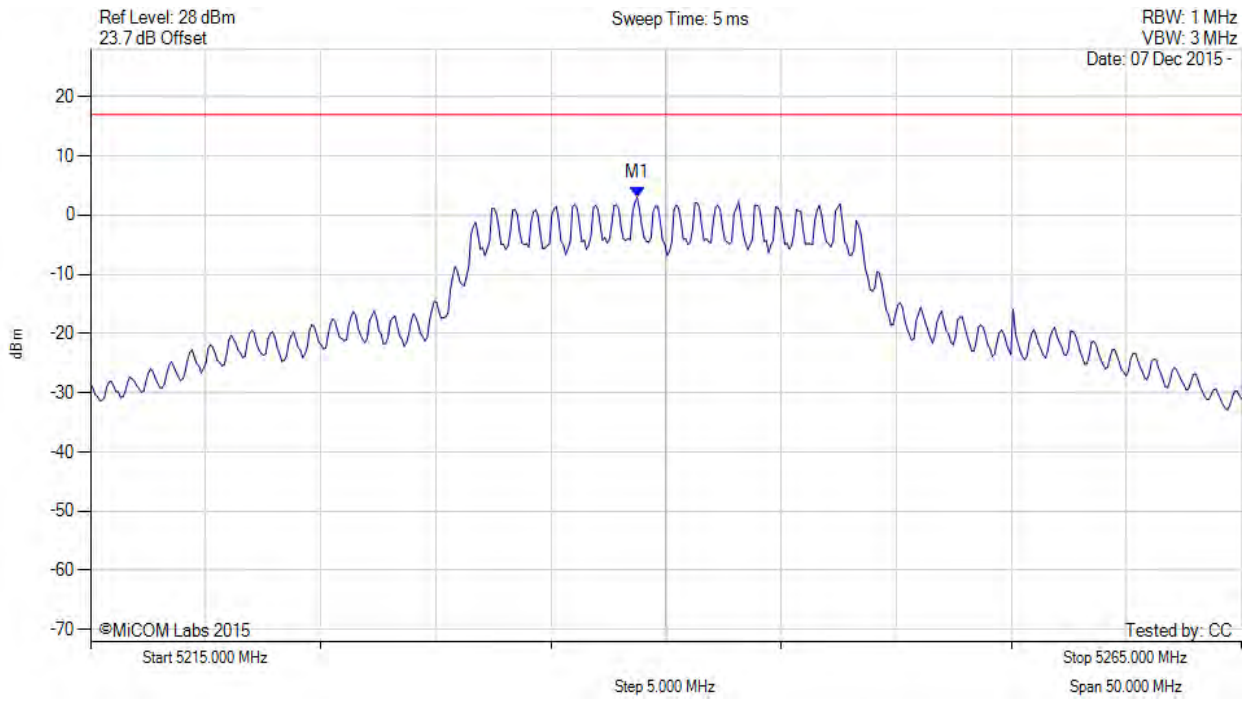


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5243.858 MHz : -1.220 dBm	Limit: ≤ 12.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

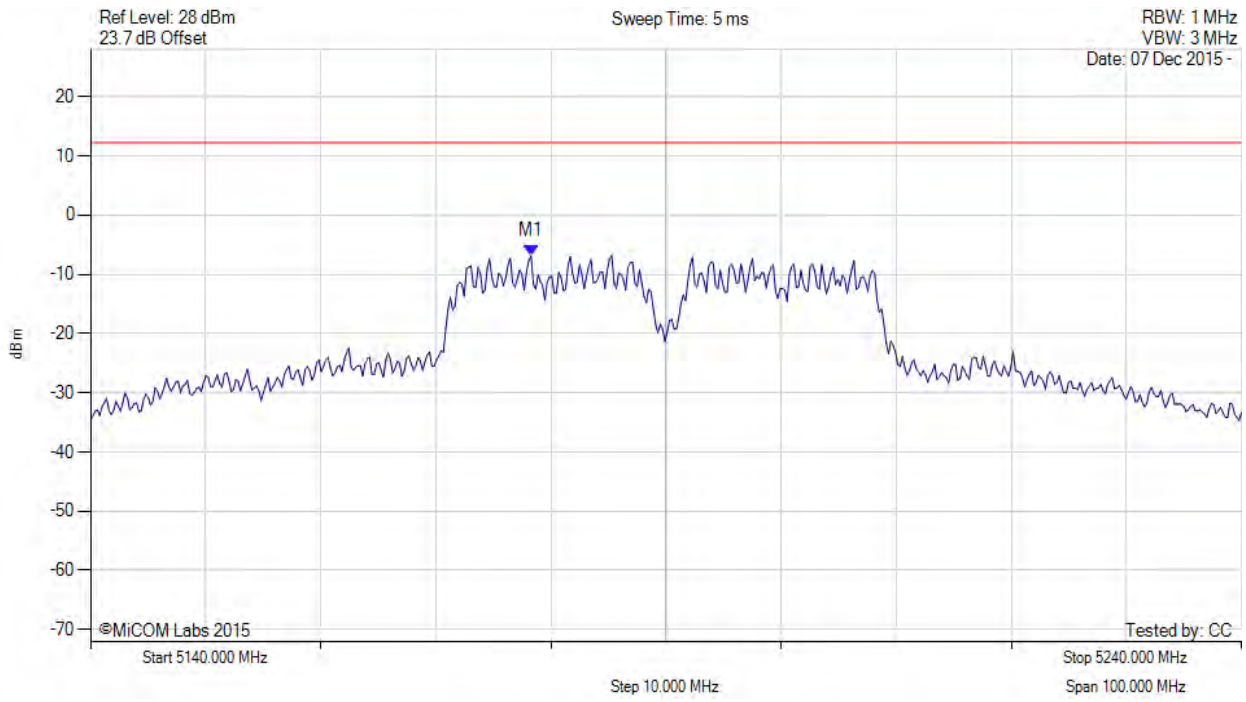


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5238.700 MHz : 2.954 dBm M1 + DCCF : 5238.700 MHz : 3.316 dBm Duty Cycle Correction Factor : +0.36 dB	Limit: ≤ 17.0 dBm Margin: -13.7 dB

back to matrix

POWER SPECTRAL DENSITY

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

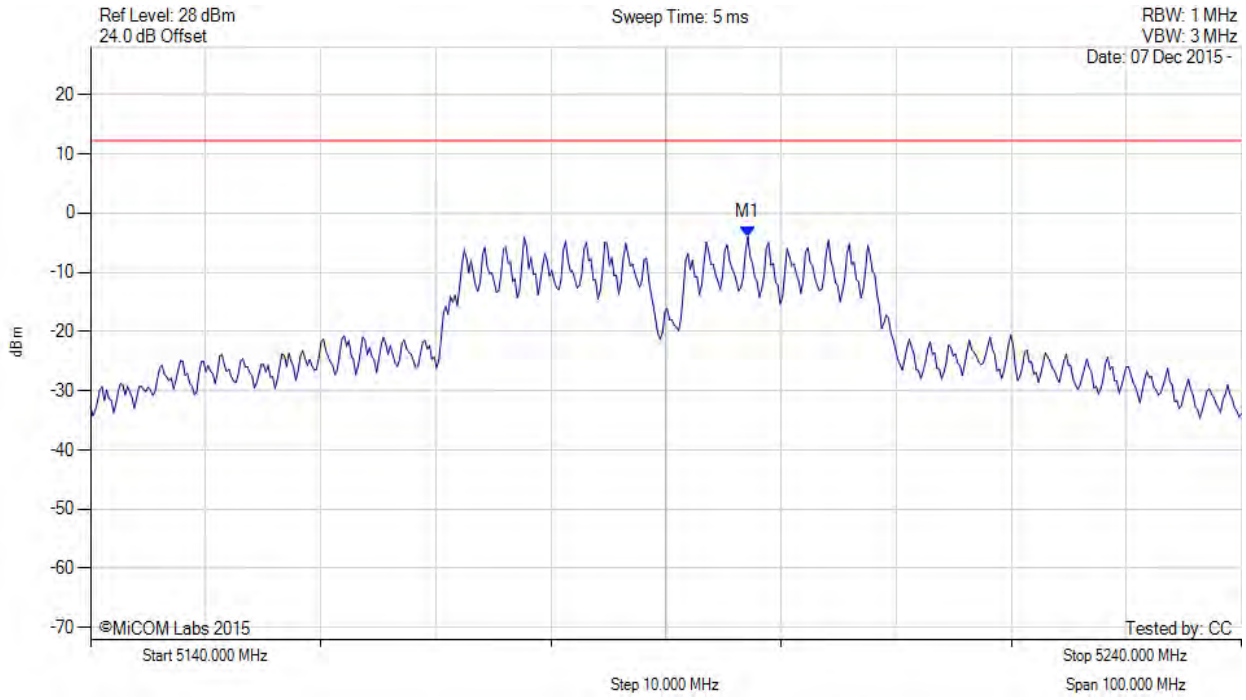


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5178.277 MHz : -6.853 dBm	Limit: ≤ 12.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

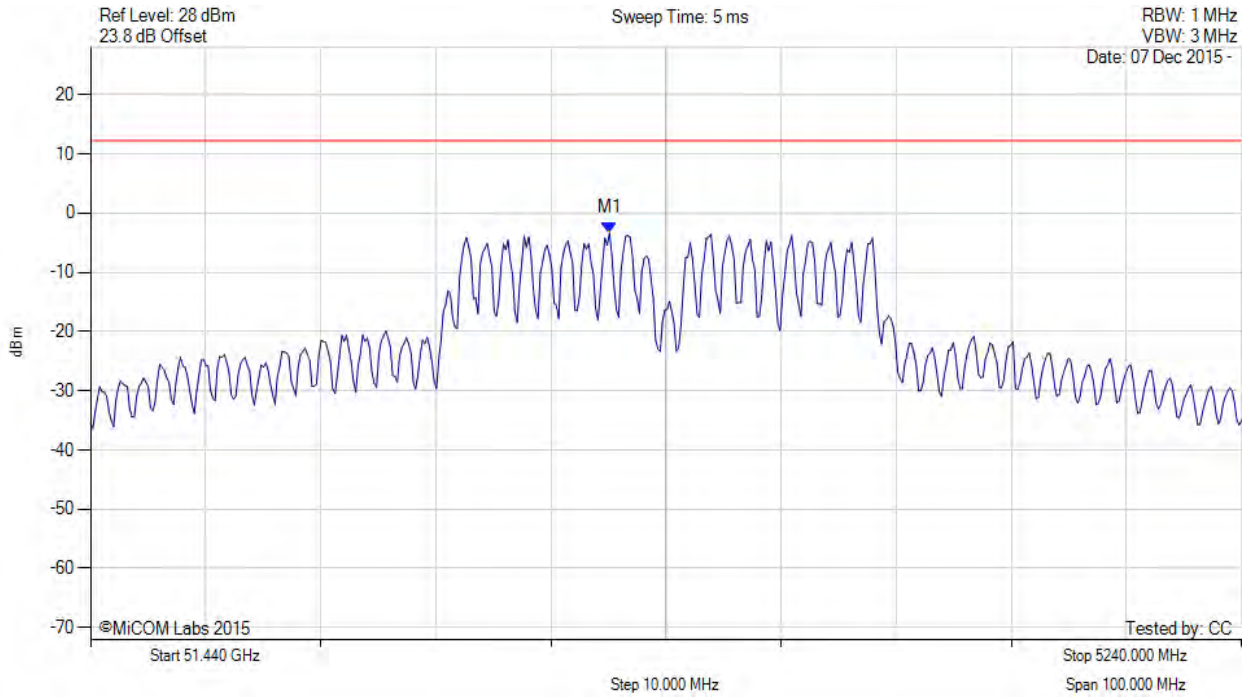


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5197.114 MHz : -4.006 dBm	Limit: ≤ 12.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

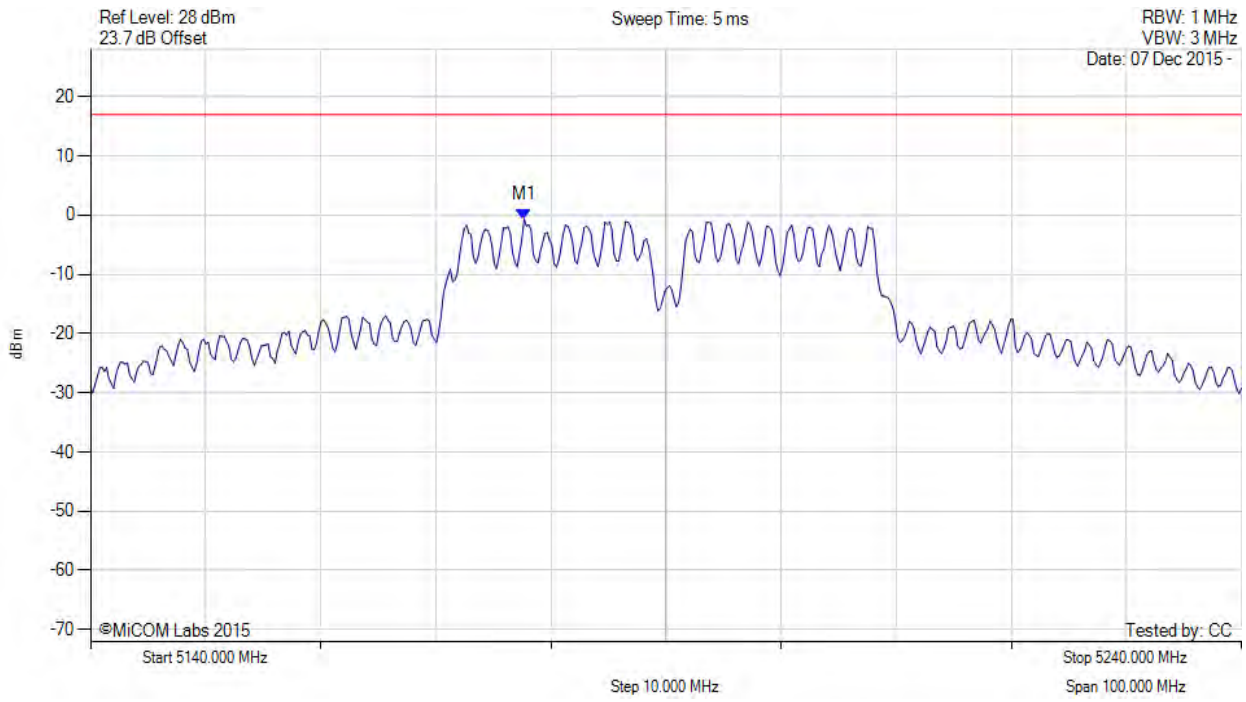


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5185.090 MHz : -3.380 dBm	Limit: ≤ 12.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

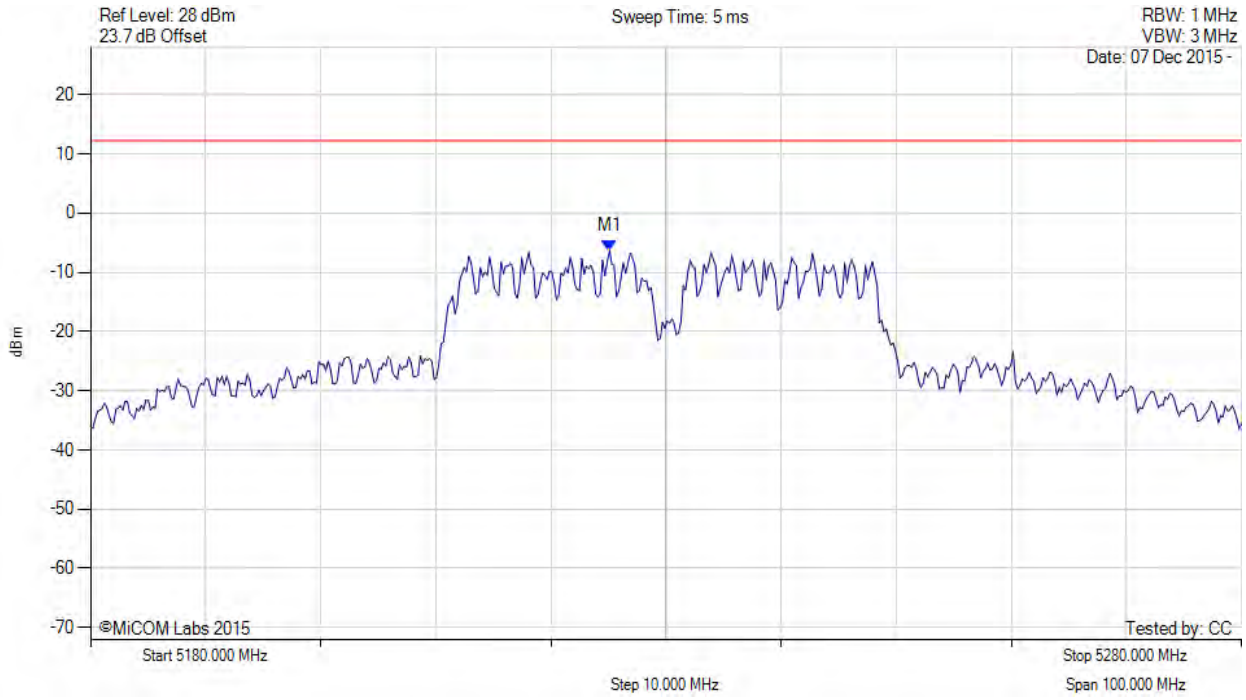


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5177.700 MHz : -0.680 dBm M1 + DCCF : 5177.700 MHz : 1.916 dBm Duty Cycle Correction Factor : +2.6 dB	Limit: ≤ 17.0 dBm Margin: -15.1 dB

back to matrix

POWER SPECTRAL DENSITY

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

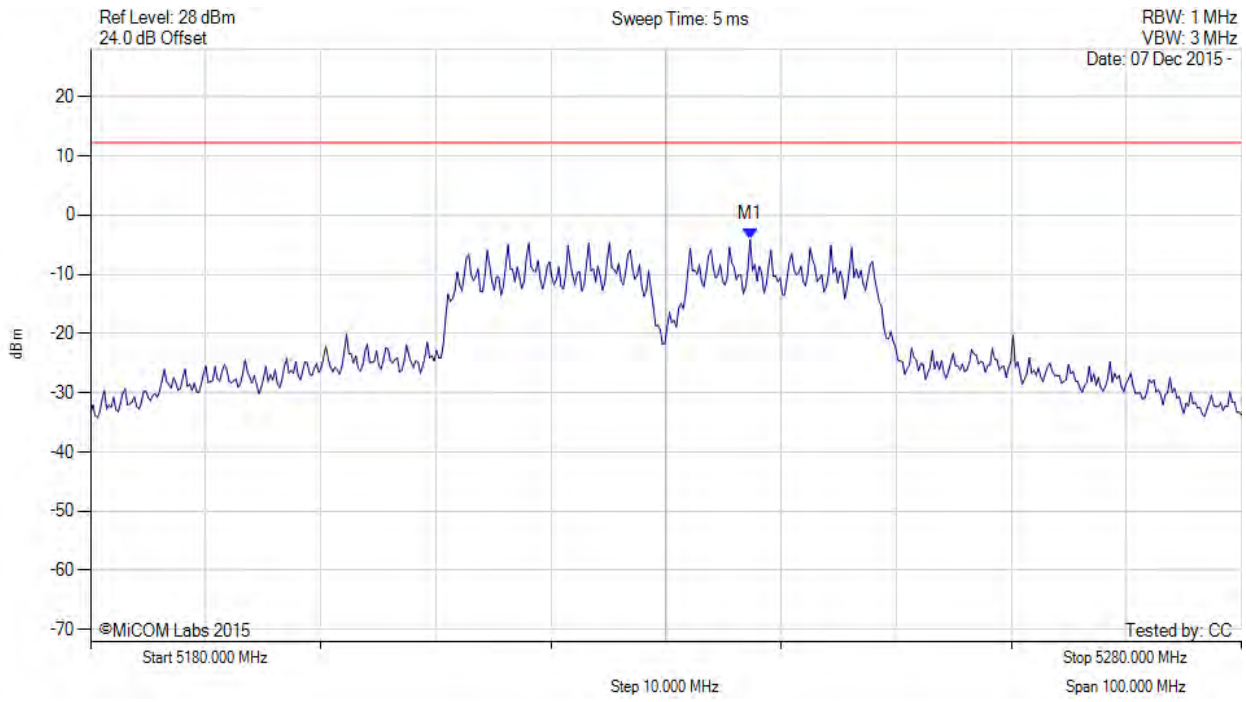


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5225.090 MHz : -6.409 dBm	Limit: ≤ 12.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

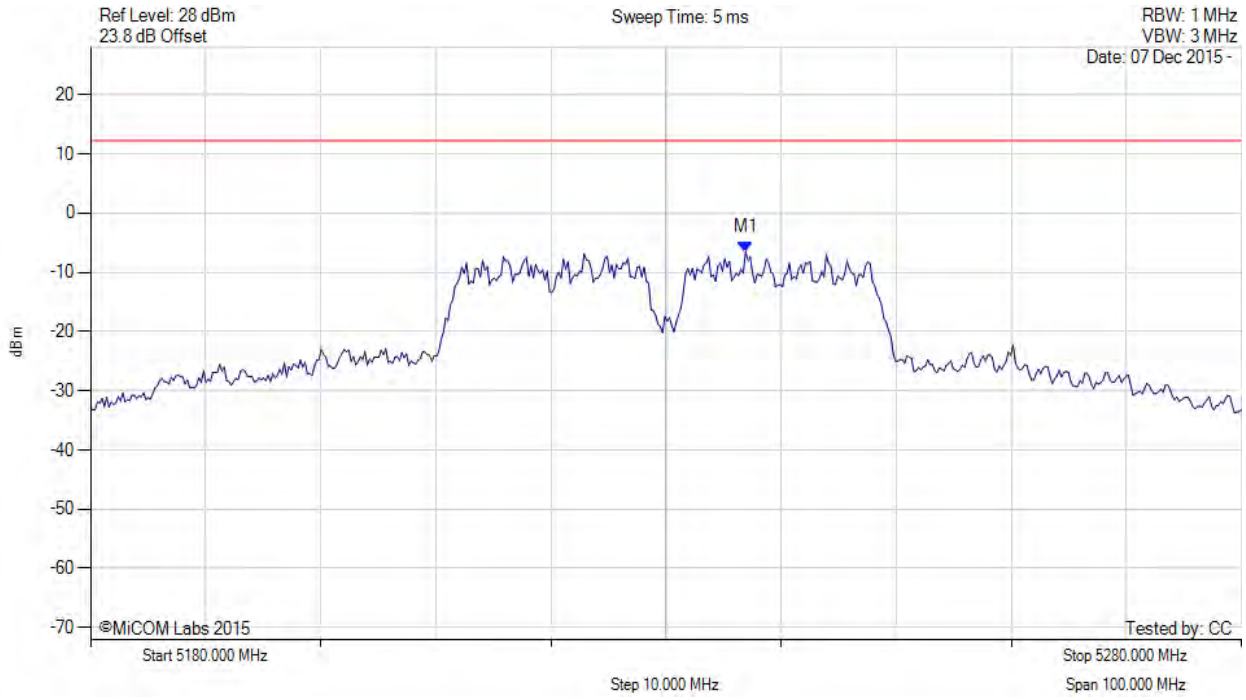


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5237.315 MHz : -4.130 dBm	Limit: ≤ 12.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

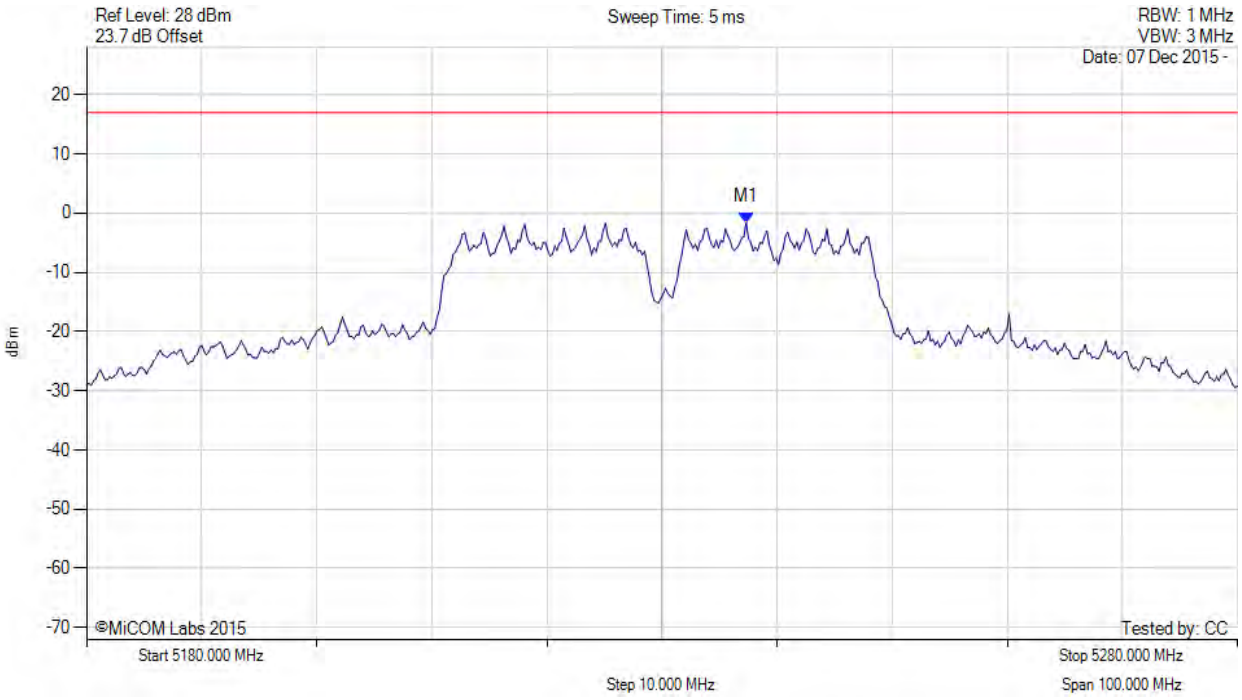


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5236.914 MHz : -6.566 dBm	Limit: ≤ 12.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

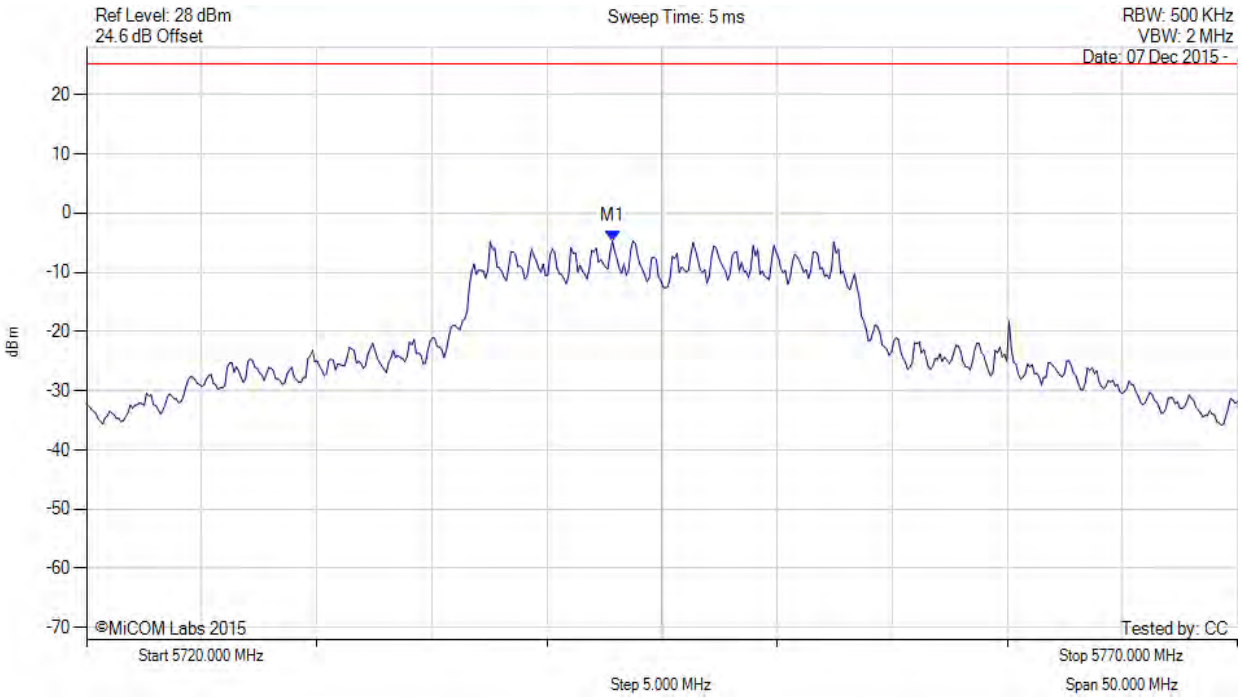


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5237.300 MHz : -1.591 dBm M1 + DCCF : 5237.300 MHz : 1.005 dBm Duty Cycle Correction Factor : +2.6 dB	Limit: ≤ 17.0 dBm Margin: -16.0 dB

back to matrix

POWER SPECTRAL DENSITY

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

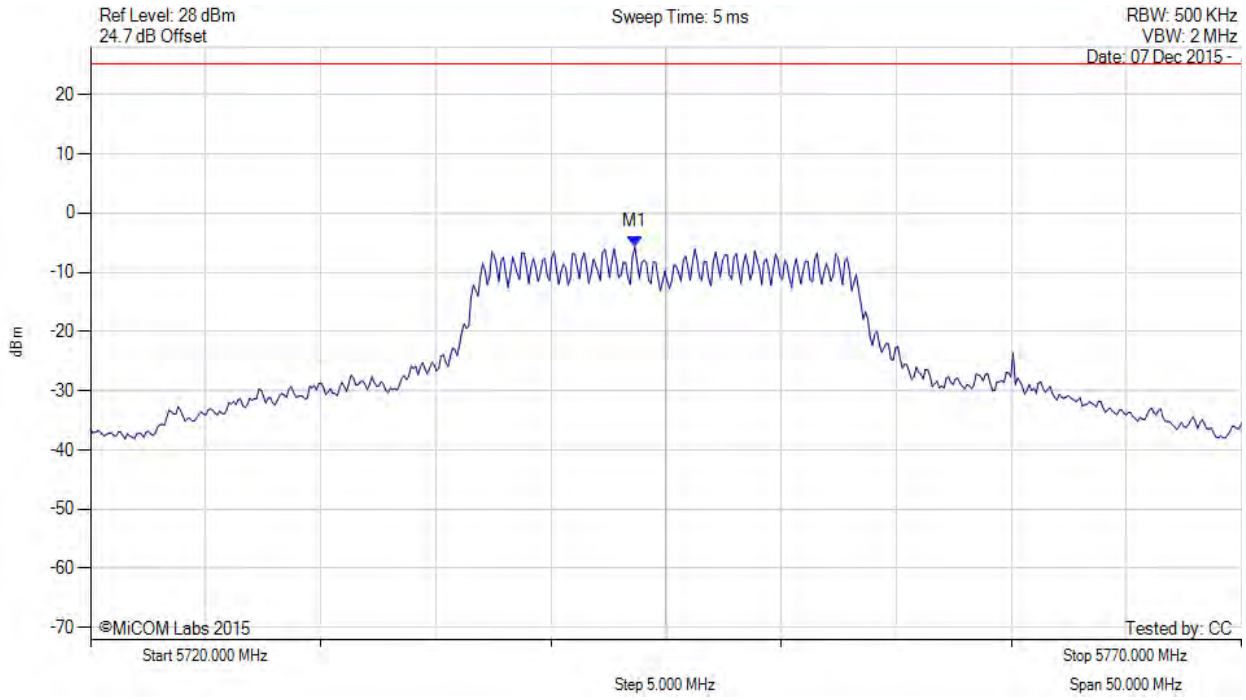


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5742.846 MHz : -4.666 dBm	Limit: ≤ 25.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

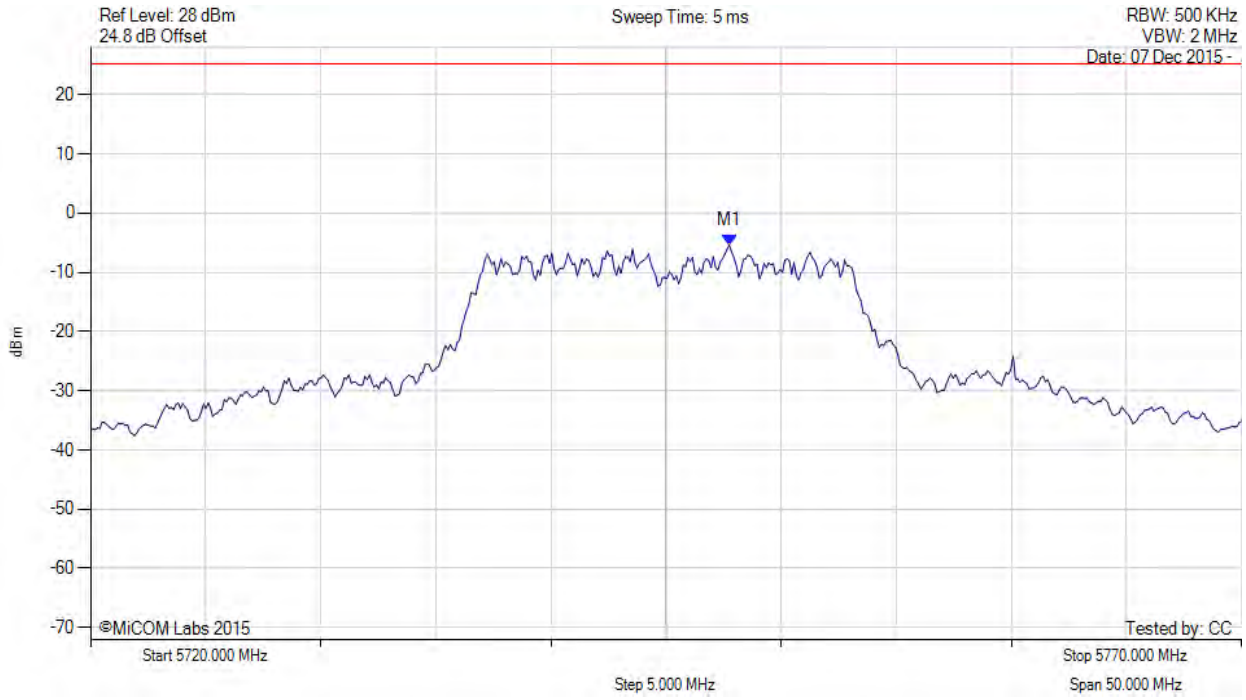


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5743.647 MHz : -5.692 dBm	Limit: ≤ 25.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

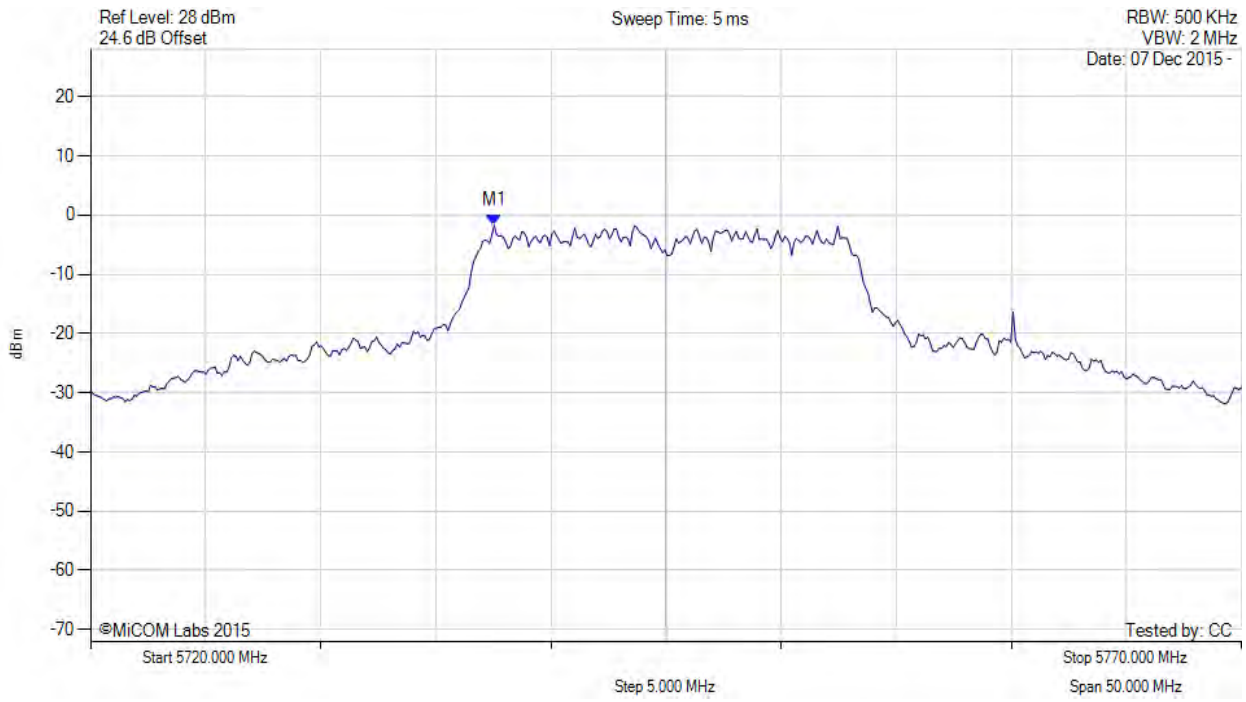


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5747.756 MHz : -5.391 dBm	Limit: ≤ 25.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

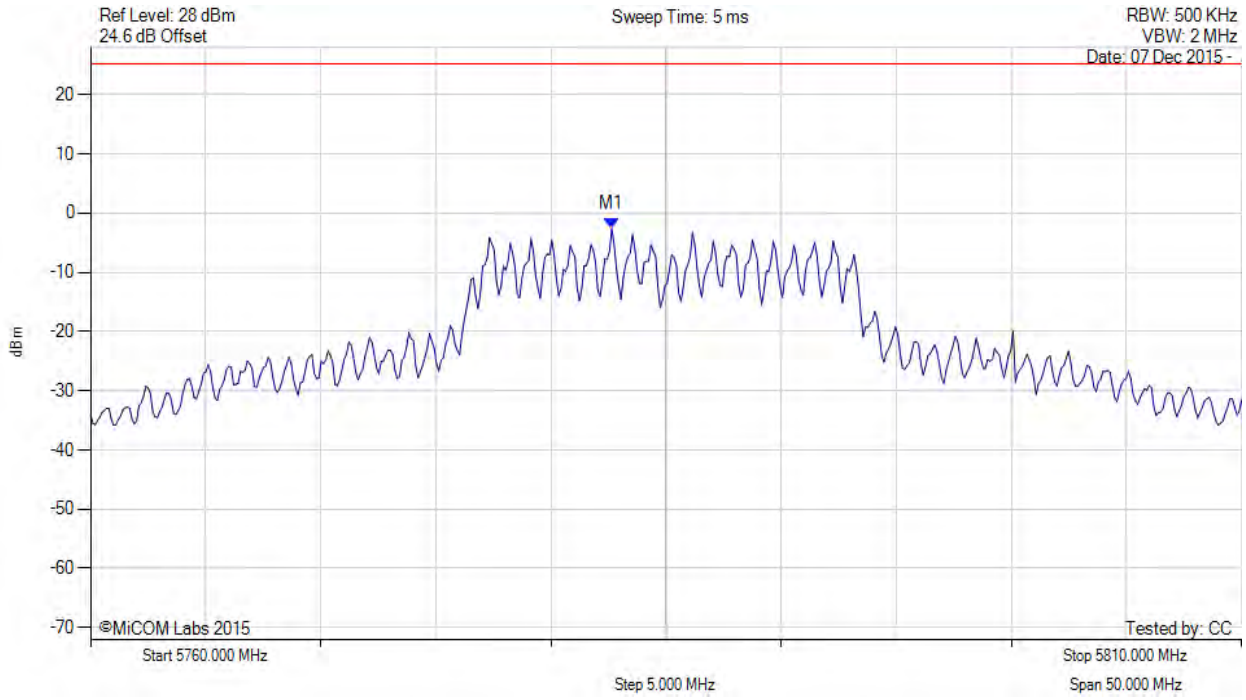


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5737.500 MHz : -1.750 dBm M1 + DCCF : 5737.500 MHz : 0.846 dBm Duty Cycle Correction Factor : +2.6 dB	Limit: ≤ 30.0 dBm Margin: -29.1 dB

back to matrix

POWER SPECTRAL DENSITY

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

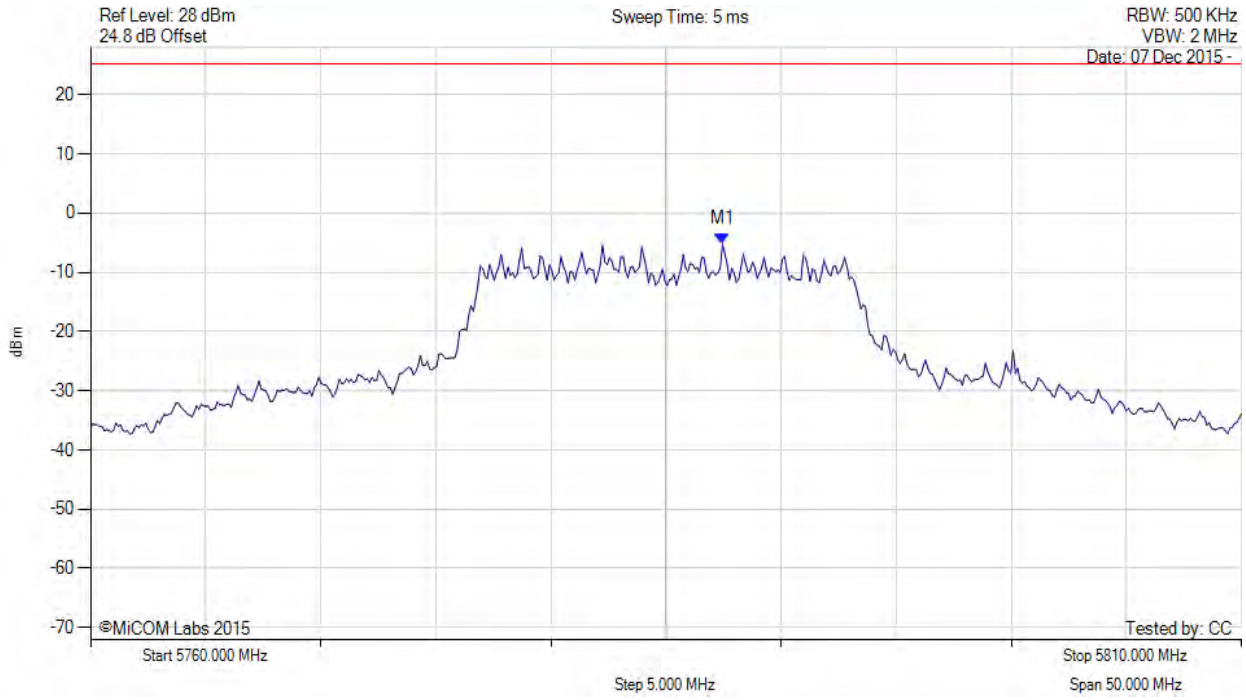


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5782.645 MHz : -2.652 dBm	Limit: ≤ 25.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

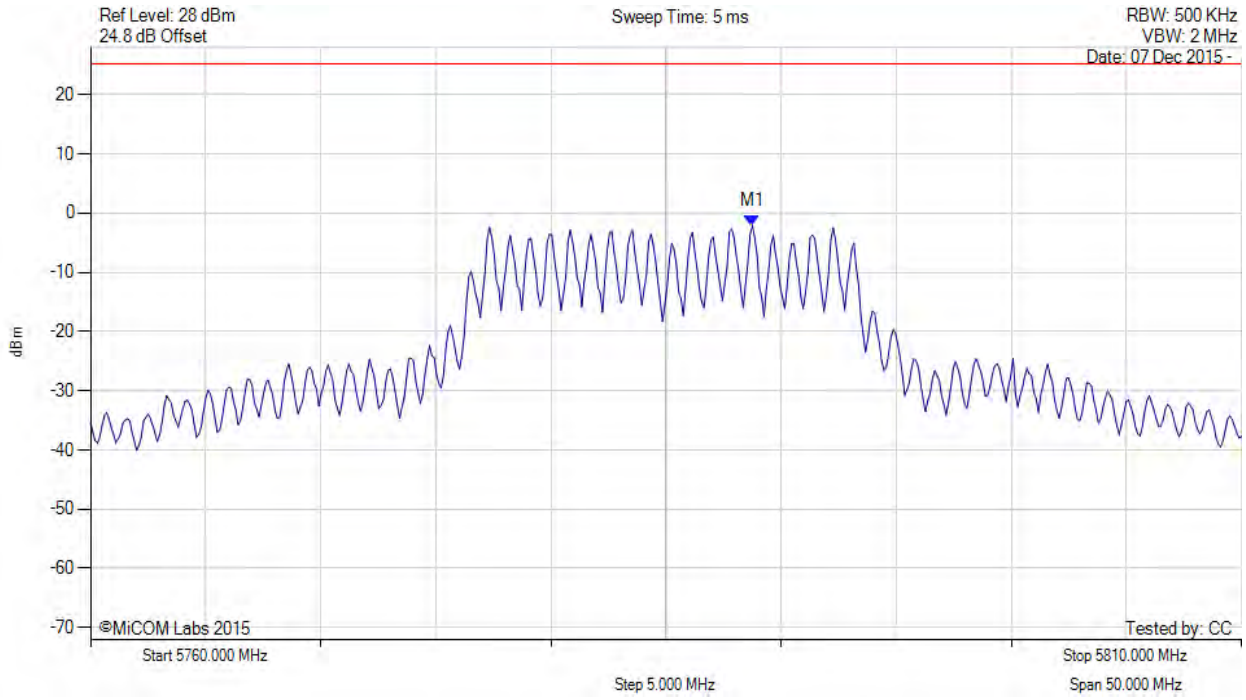


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5787.455 MHz : -5.231 dBm	Channel Frequency: 5785.00 MHz

back to matrix

POWER SPECTRAL DENSITY

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

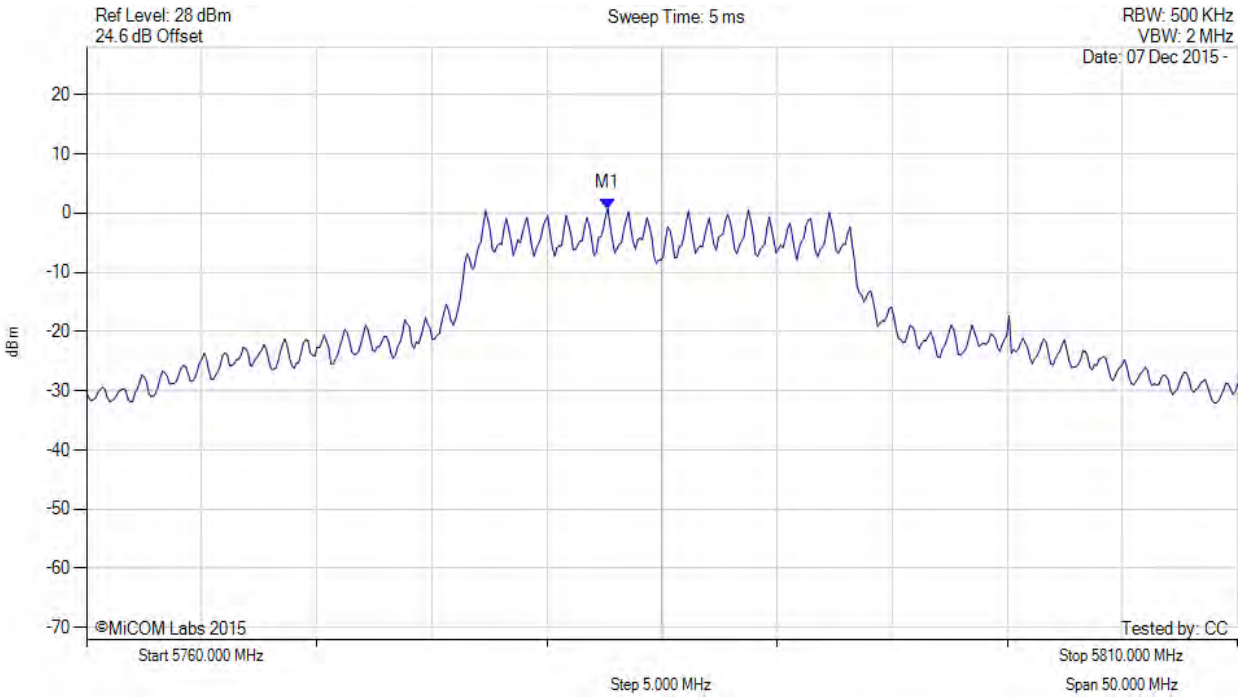


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5788.758 MHz : -2.123 dBm	Limit: ≤ 25.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

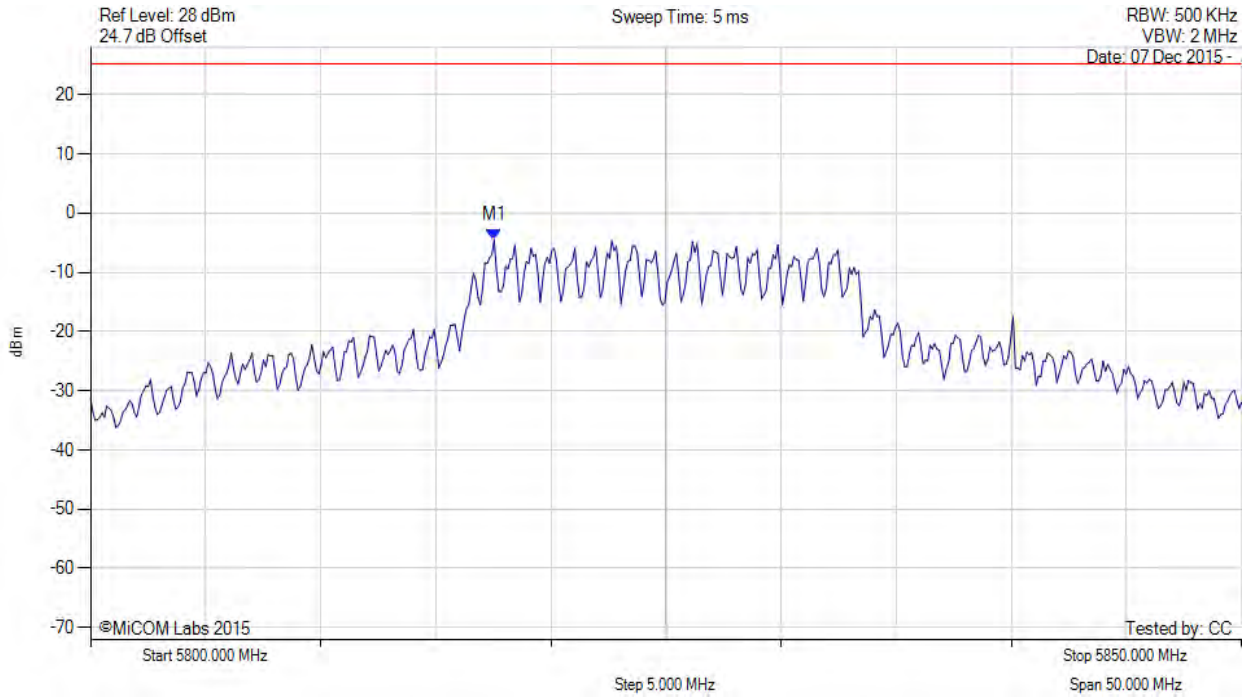


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5782.600 MHz : 0.751 dBm M1 + DCCF : 5782.600 MHz : 3.347 dBm Duty Cycle Correction Factor : +2.6 dB	Limit: ≤ 30.0 dBm Margin: -26.6 dB

back to matrix

POWER SPECTRAL DENSITY

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

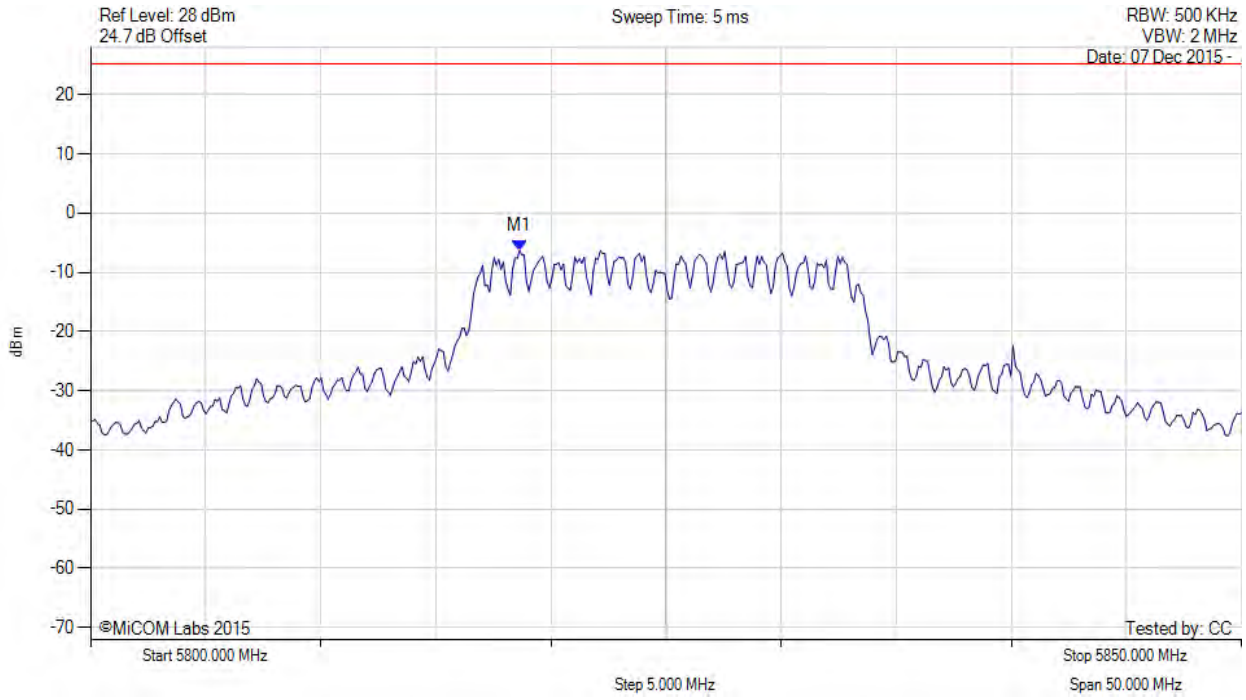


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5817.535 MHz : -4.529 dBm	Limit: ≤ 25.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

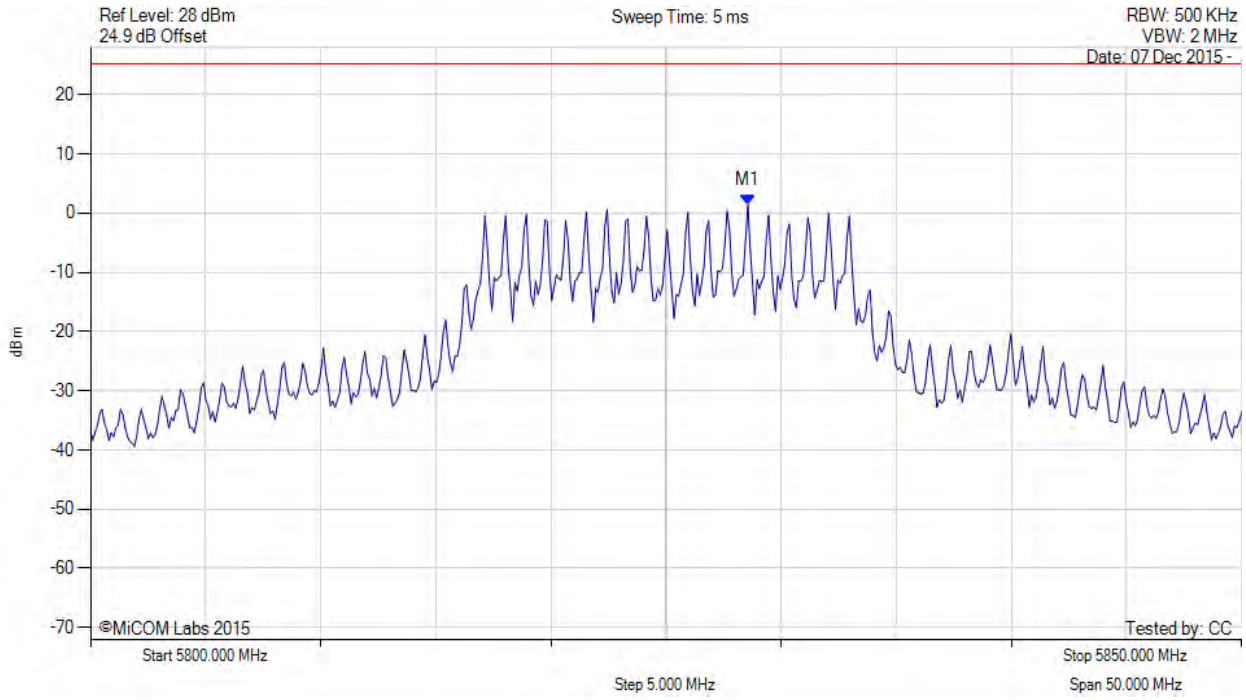


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5818.637 MHz : -6.367 dBm	Limit: ≤ 25.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

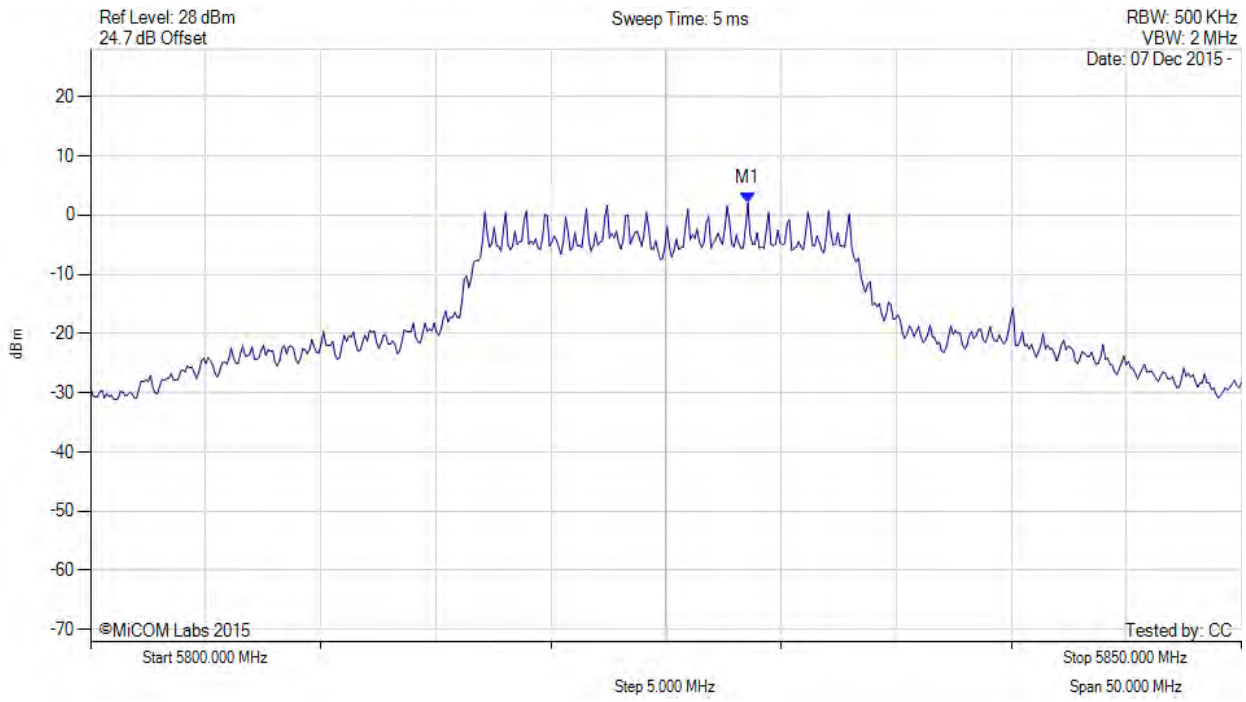


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5828.557 MHz : 1.334 dBm	Limit: ≤ 25.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

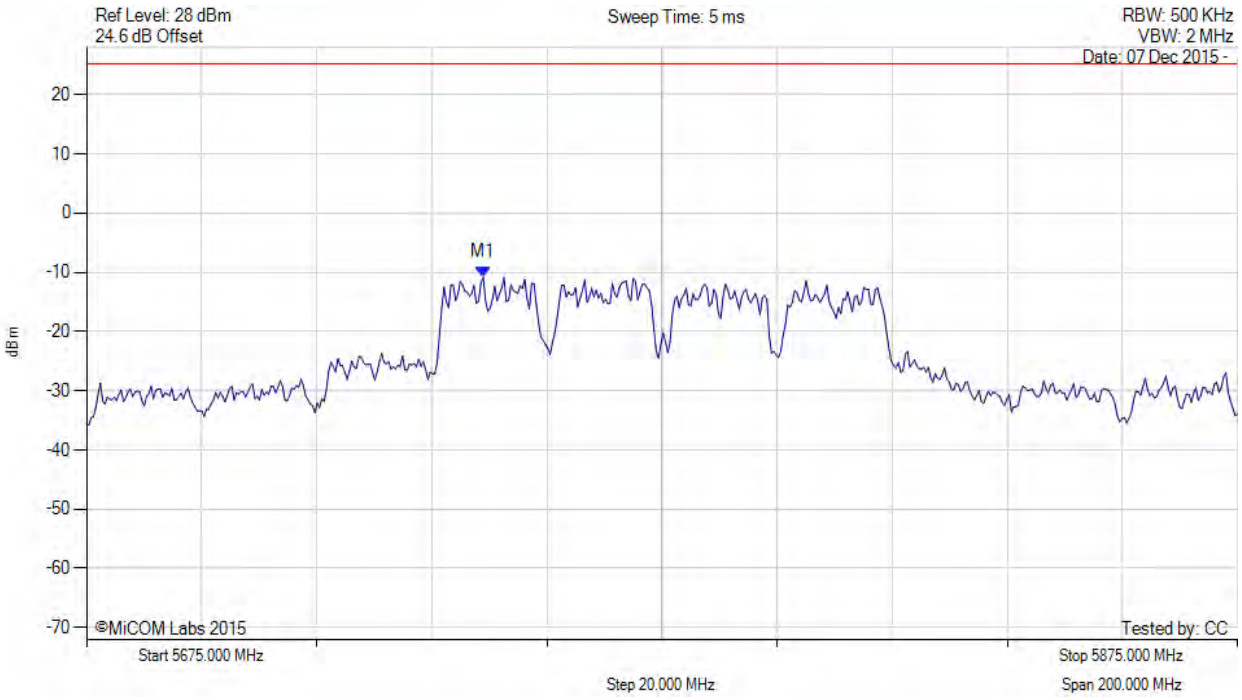


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5828.600 MHz : 2.081 dBm M1 + DCCF : 5828.600 MHz : 4.677 dBm Duty Cycle Correction Factor : +2.6 dB	Limit: ≤ 30.0 dBm Margin: -25.3 dB

back to matrix

POWER SPECTRAL DENSITY

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

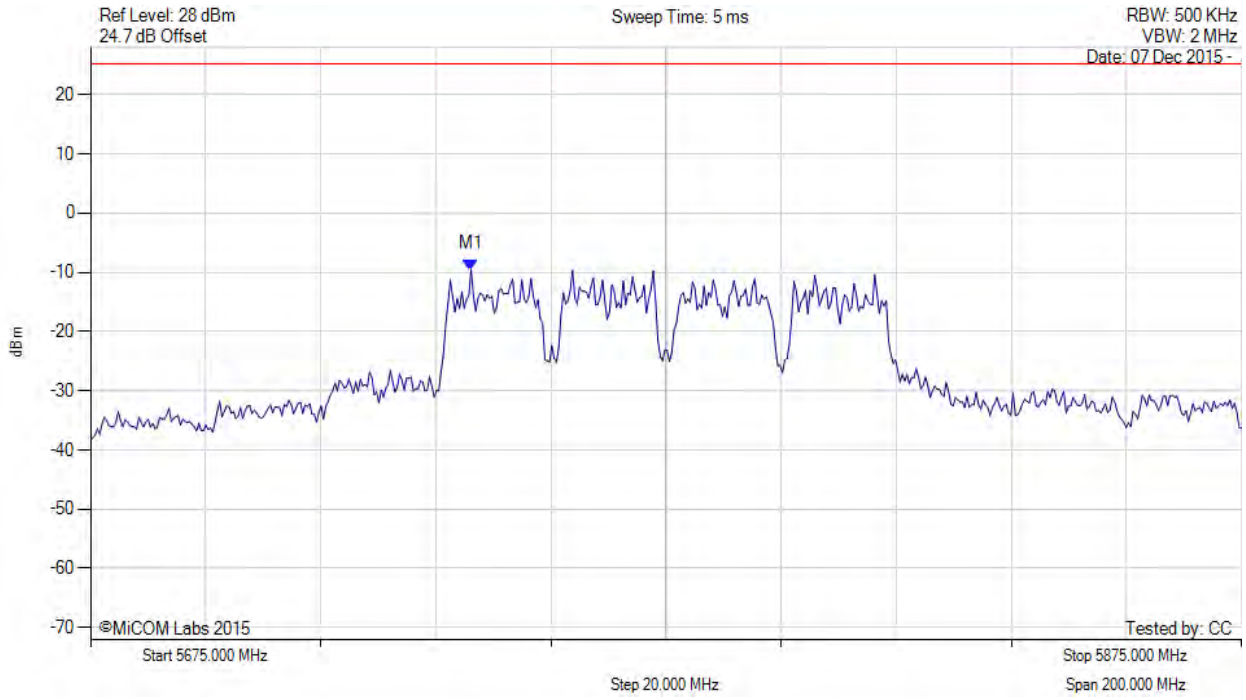


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5743.938 MHz : -10.830 dBm	Limit: ≤ 25.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

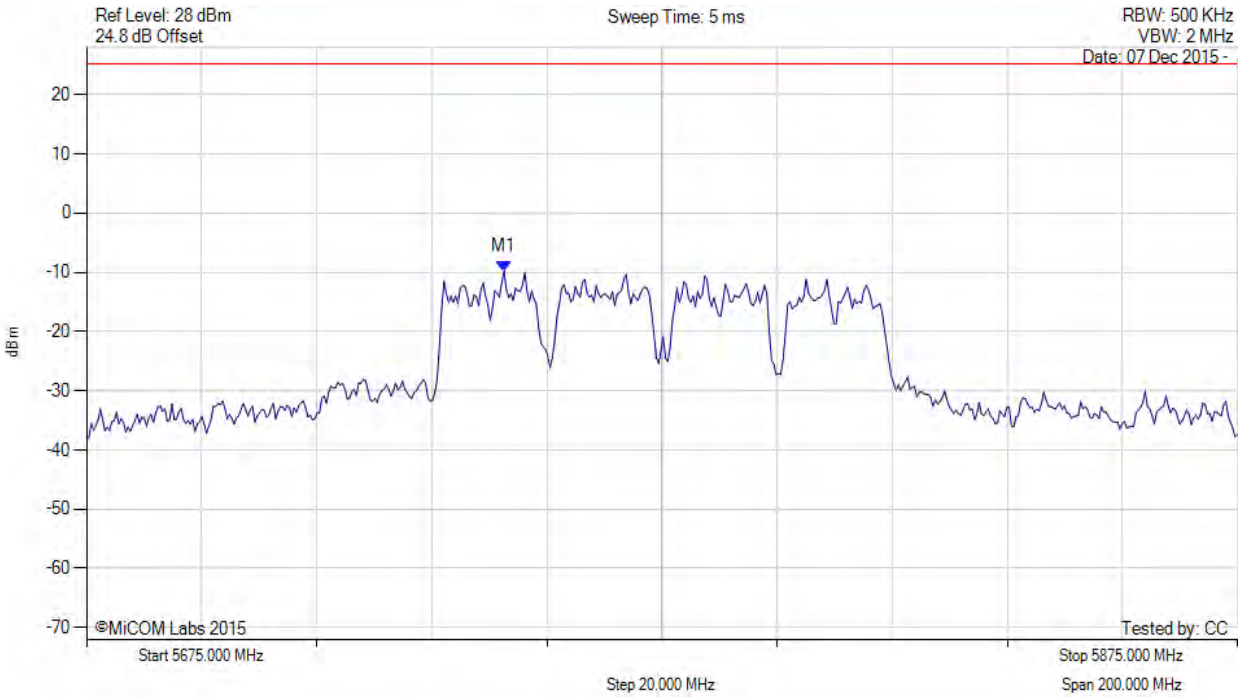


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5741.132 MHz : -9.552 dBm	Limit: ≤ 25.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

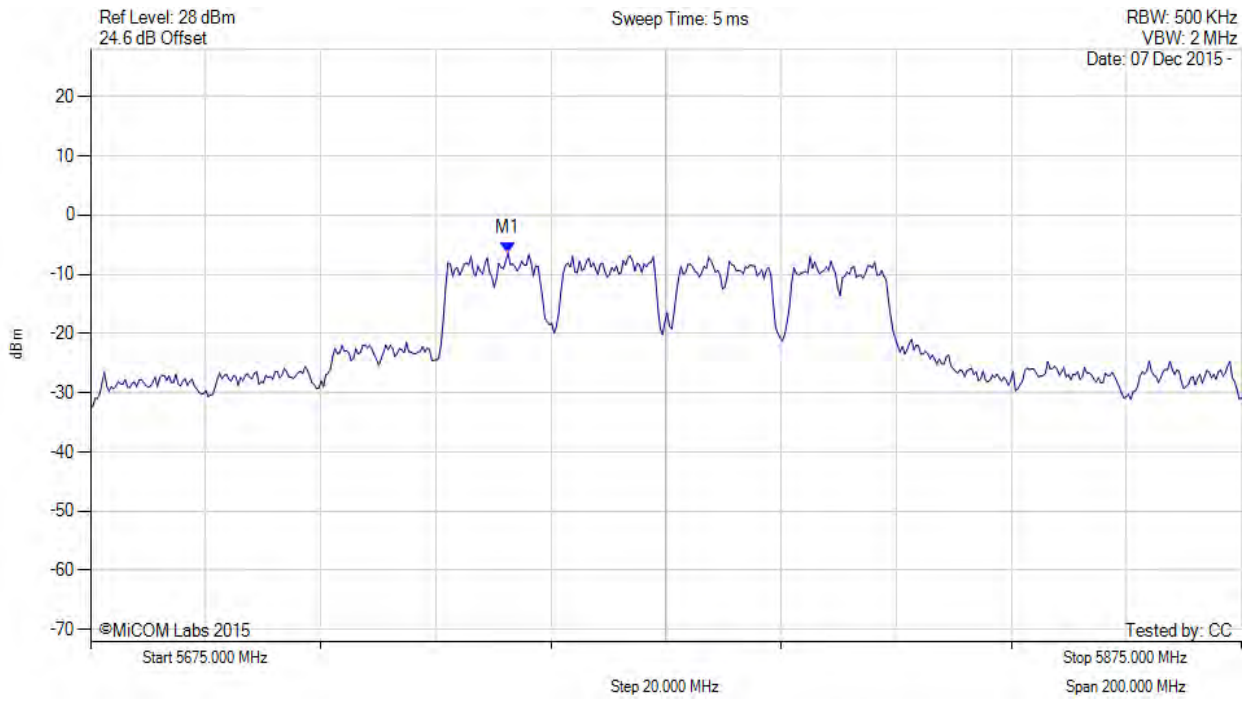


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5747.545 MHz : -9.824 dBm	Limit: ≤ 25.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

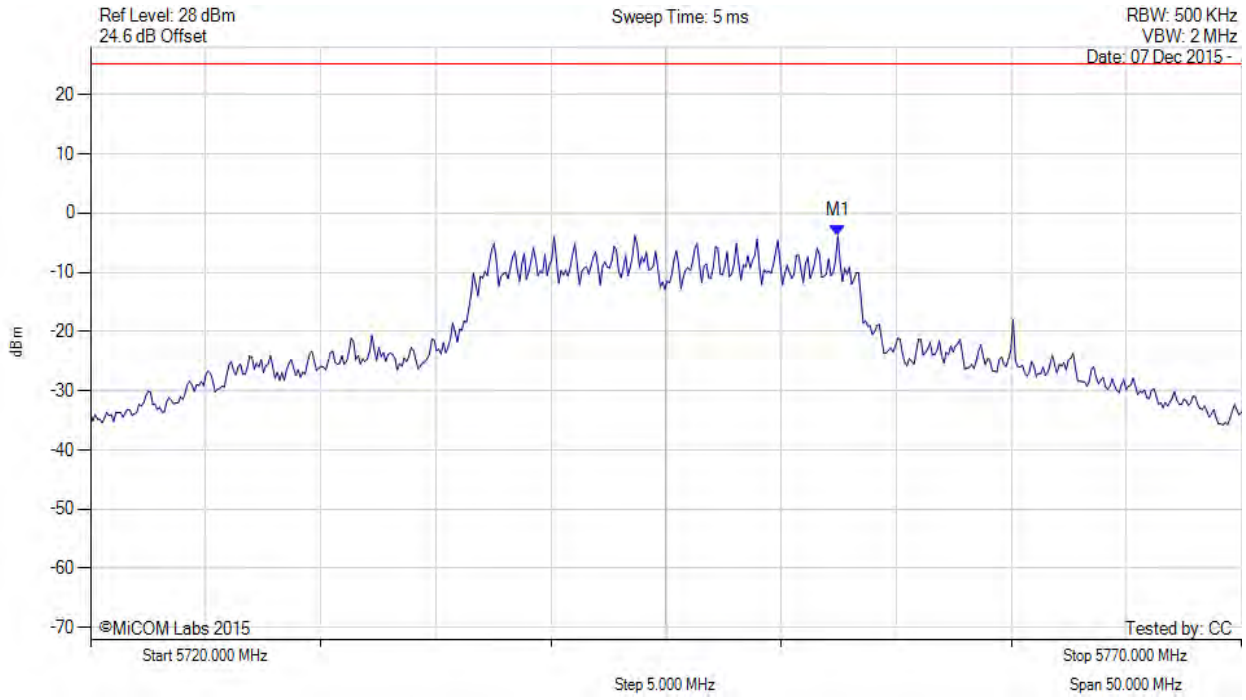


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5747.500 MHz : -6.389 dBm M1 + DCCF : 5747.500 MHz : -4.313 dBm Duty Cycle Correction Factor : +2.08 dB	Limit: ≤ 30.0 dBm Margin: -34.3 dB

back to matrix

POWER SPECTRAL DENSITY

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

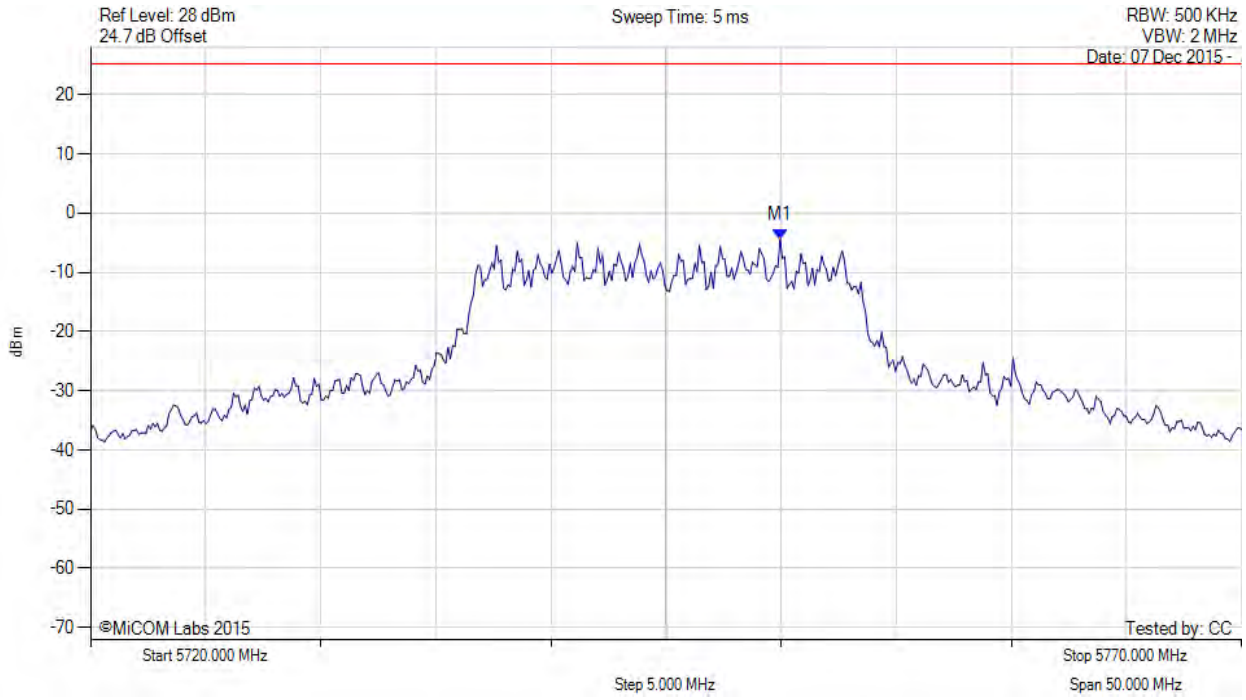


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5752.465 MHz : -3.845 dBm	Limit: ≤ 25.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

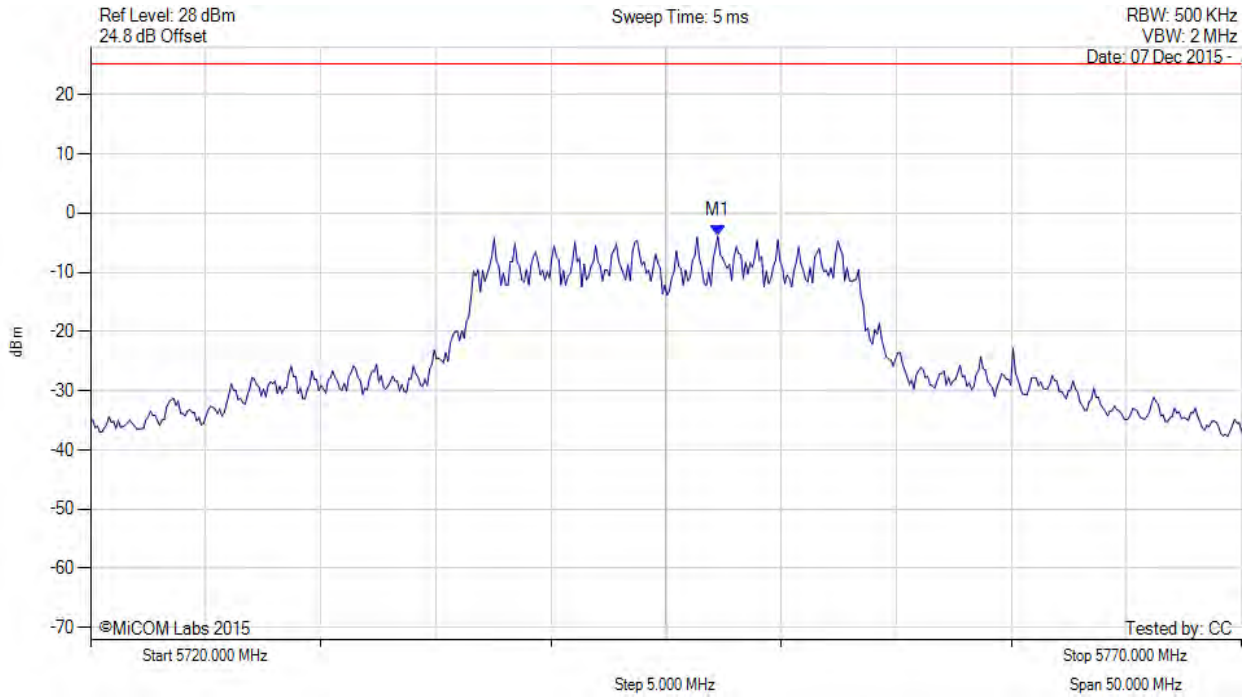


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5749.960 MHz : -4.440 dBm	Limit: ≤ 25.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

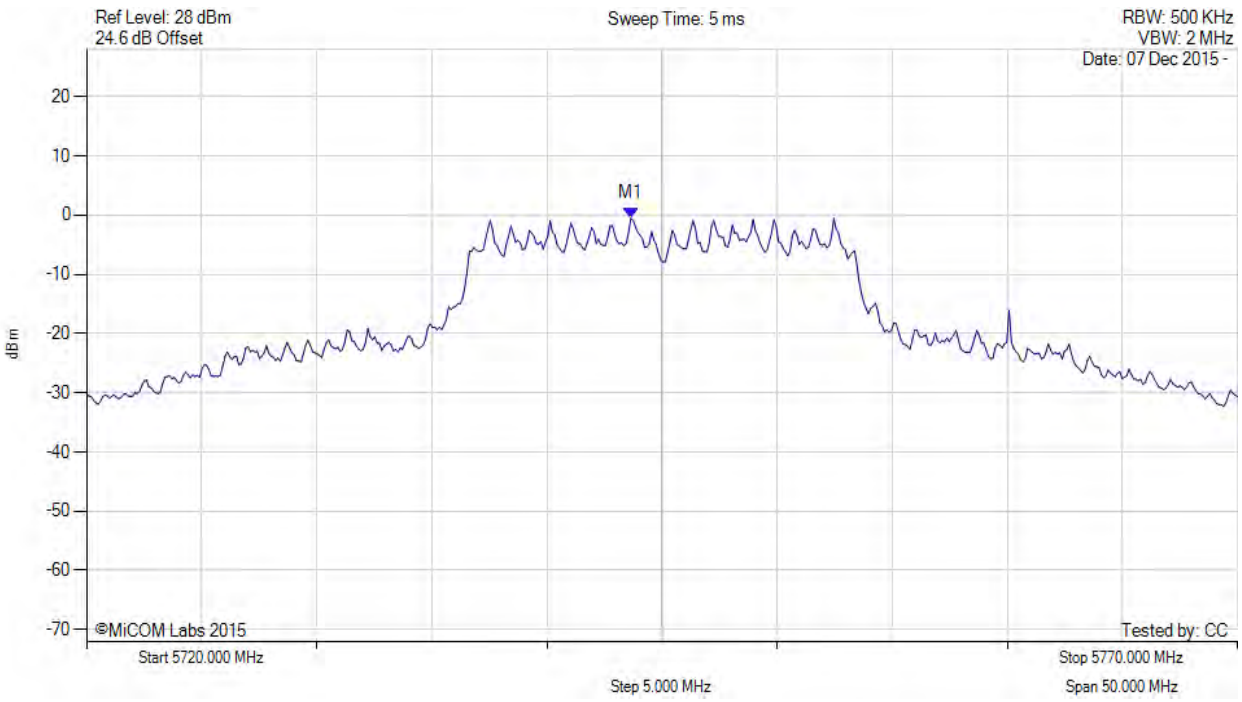


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5747.255 MHz : -3.857 dBm	Limit: ≤ 25.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

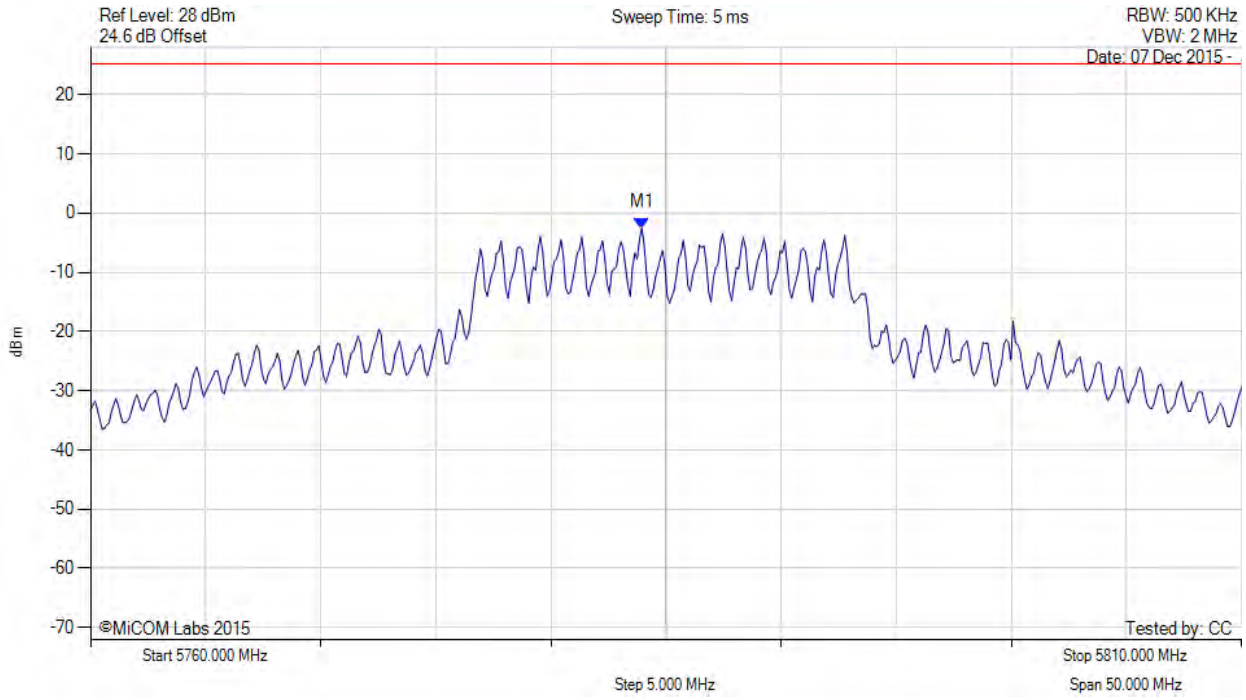


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5743.600 MHz : -0.539 dBm M1 + DCCF : 5743.600 MHz : -0.177 dBm Duty Cycle Correction Factor : +0.36 dB	Limit: ≤ 30.0 dBm Margin: -30.1 dB

back to matrix

POWER SPECTRAL DENSITY

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

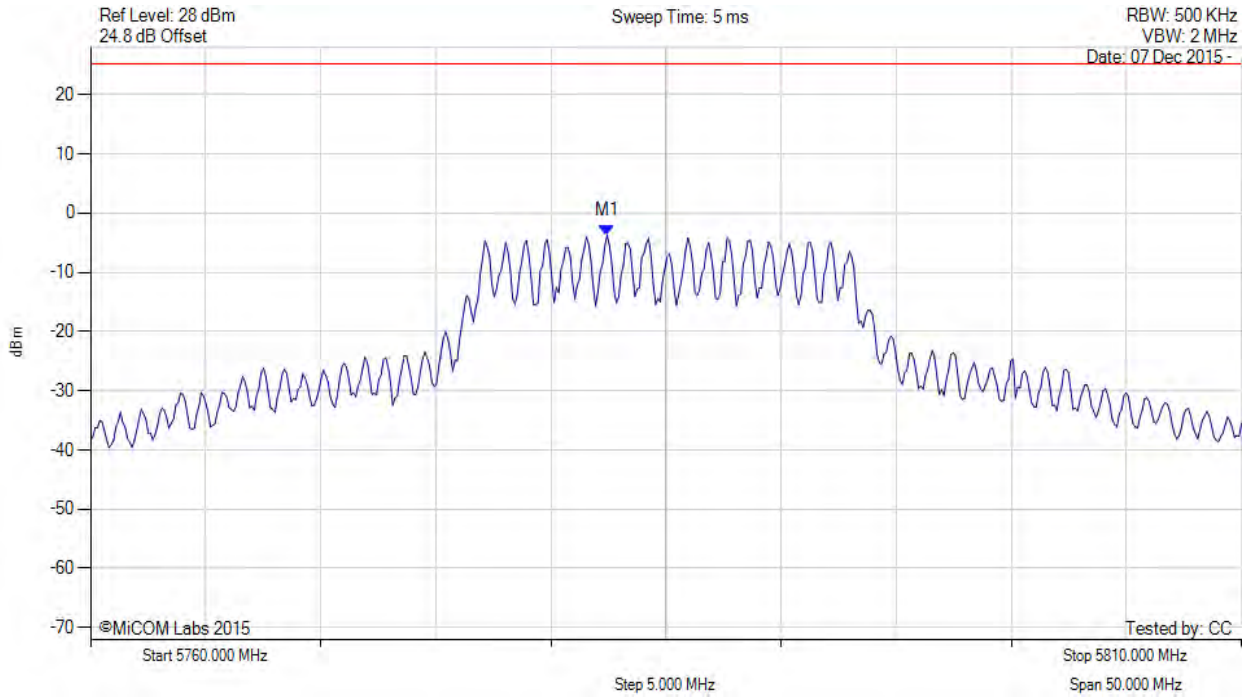


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5783.948 MHz : -2.540 dBm	Limit: ≤ 25.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

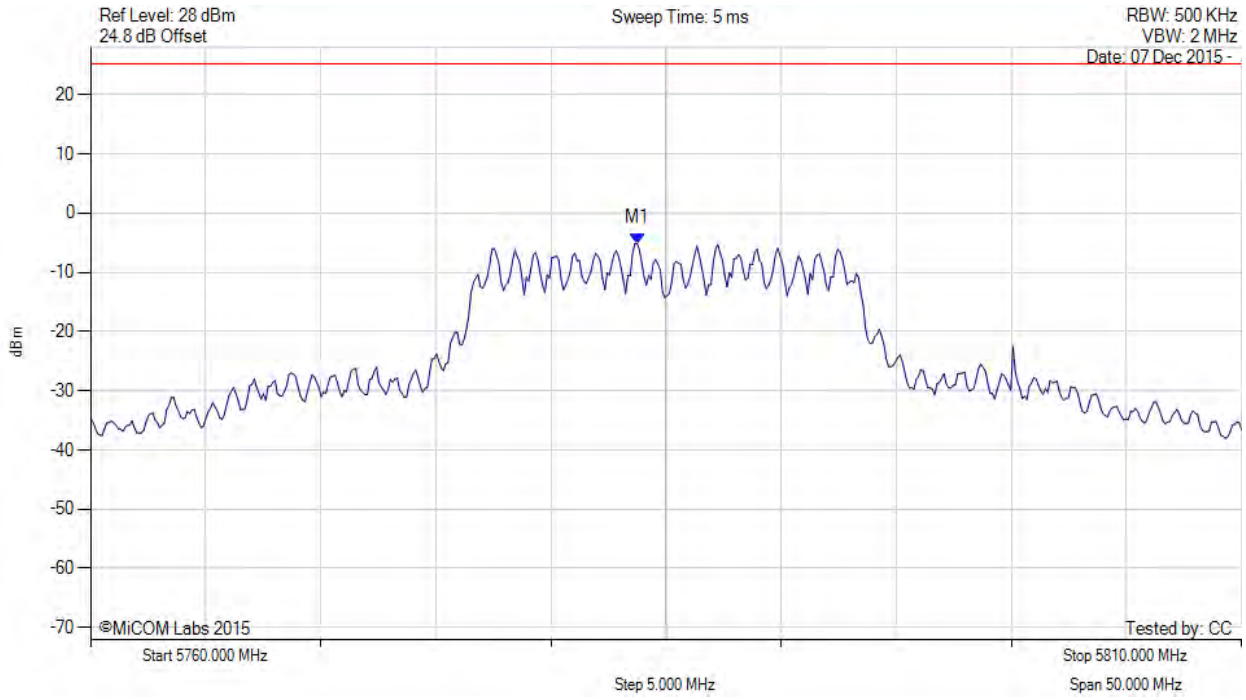


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5782.445 MHz : -3.783 dBm	Channel Frequency: 5785.00 MHz

back to matrix

POWER SPECTRAL DENSITY

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

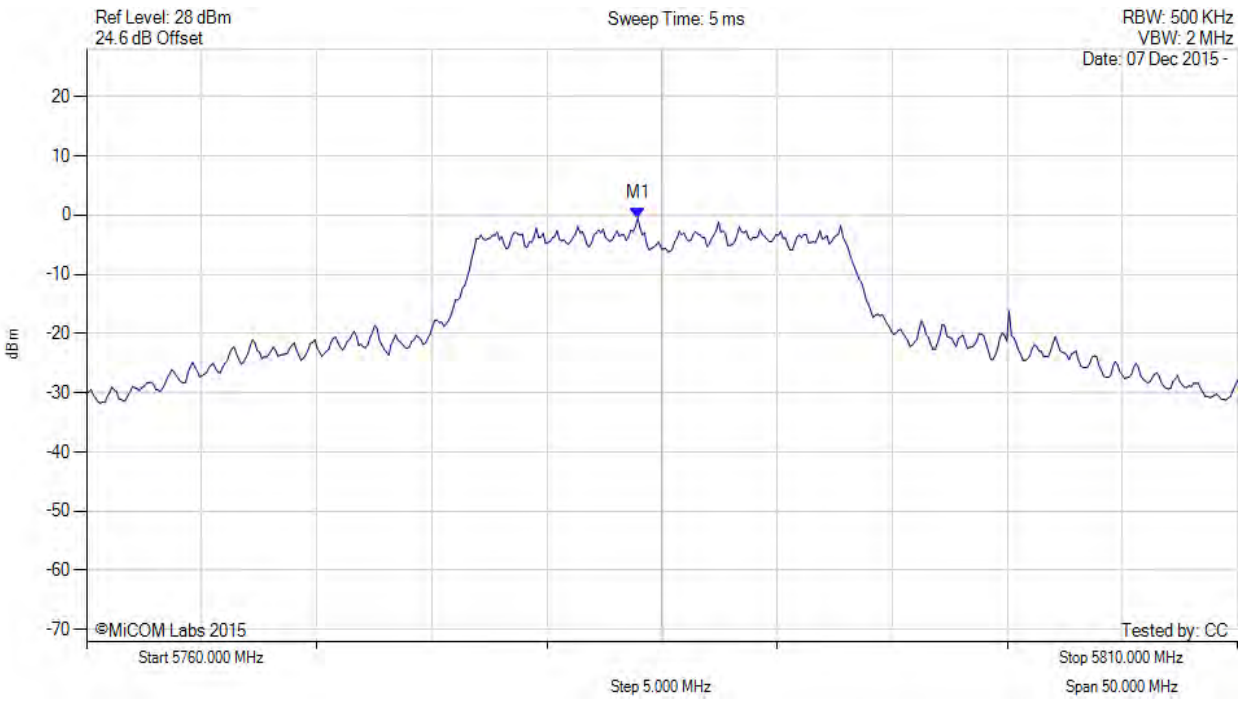


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5783.747 MHz : -5.101 dBm	Limit: ≤ 25.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

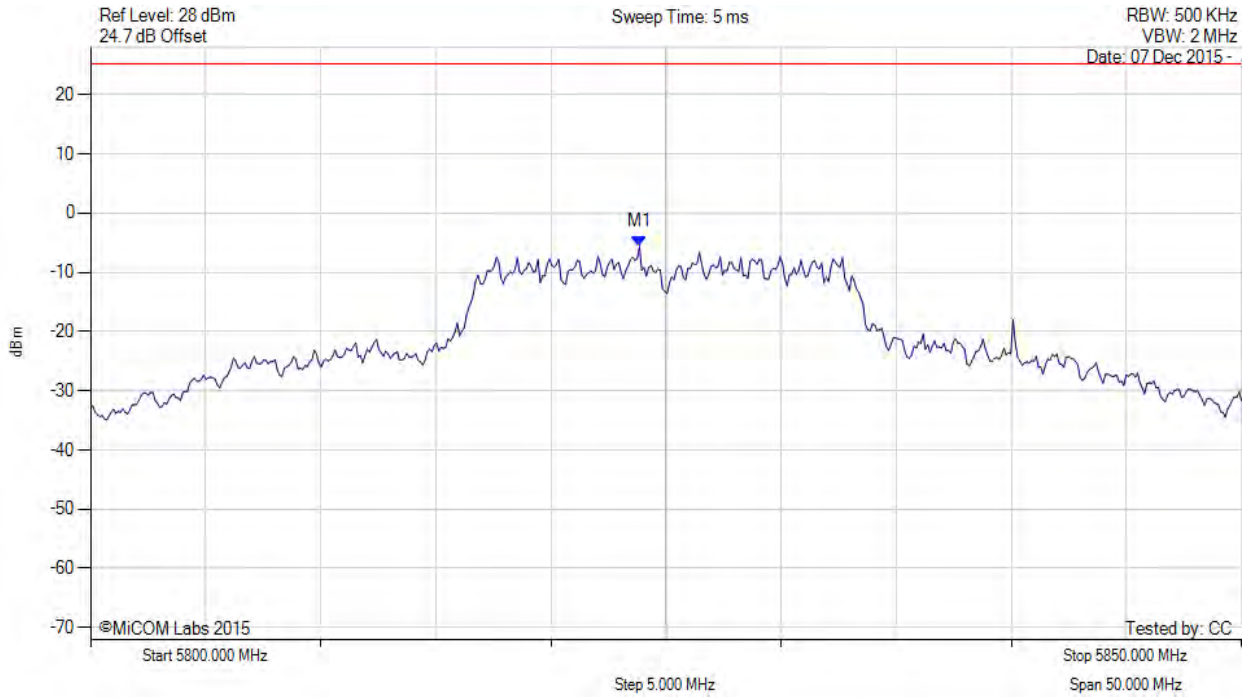


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5783.900 MHz : -0.515 dBm M1 + DCCF : 5783.900 MHz : -0.153 dBm Duty Cycle Correction Factor : +0.36 dB	Limit: ≤ 30.0 dBm Margin: -30.1 dB

back to matrix

POWER SPECTRAL DENSITY

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

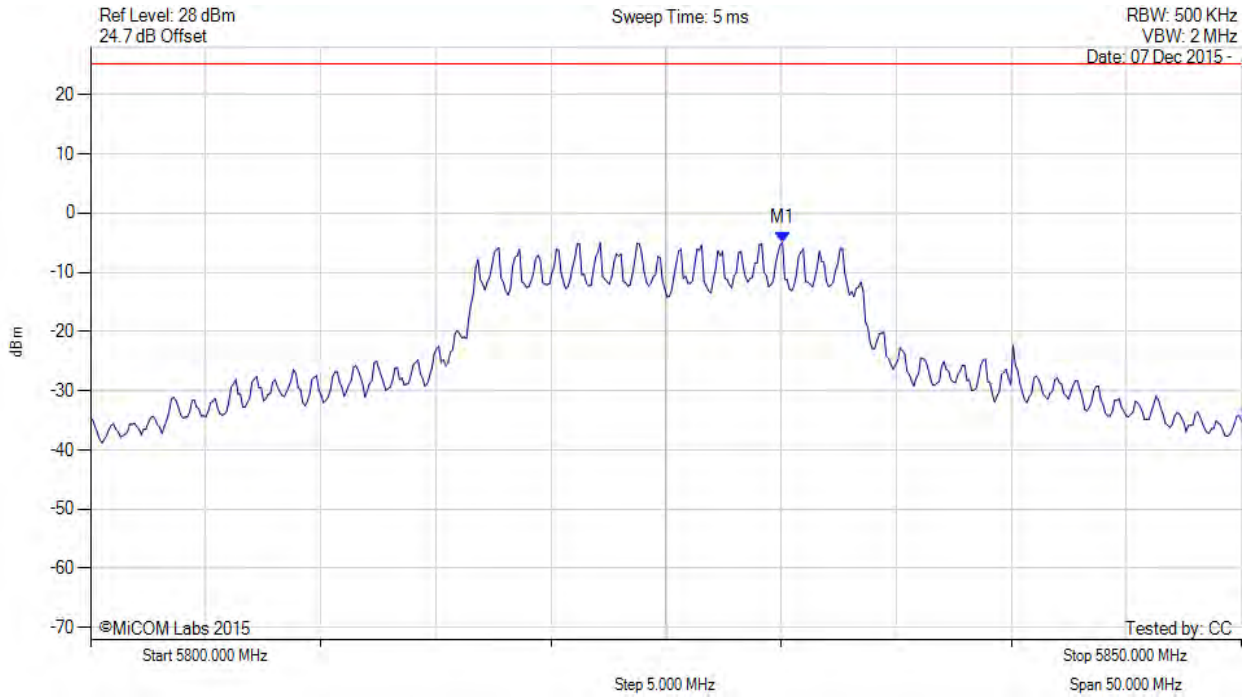


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5823.848 MHz : -5.629 dBm	Limit: ≤ 25.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

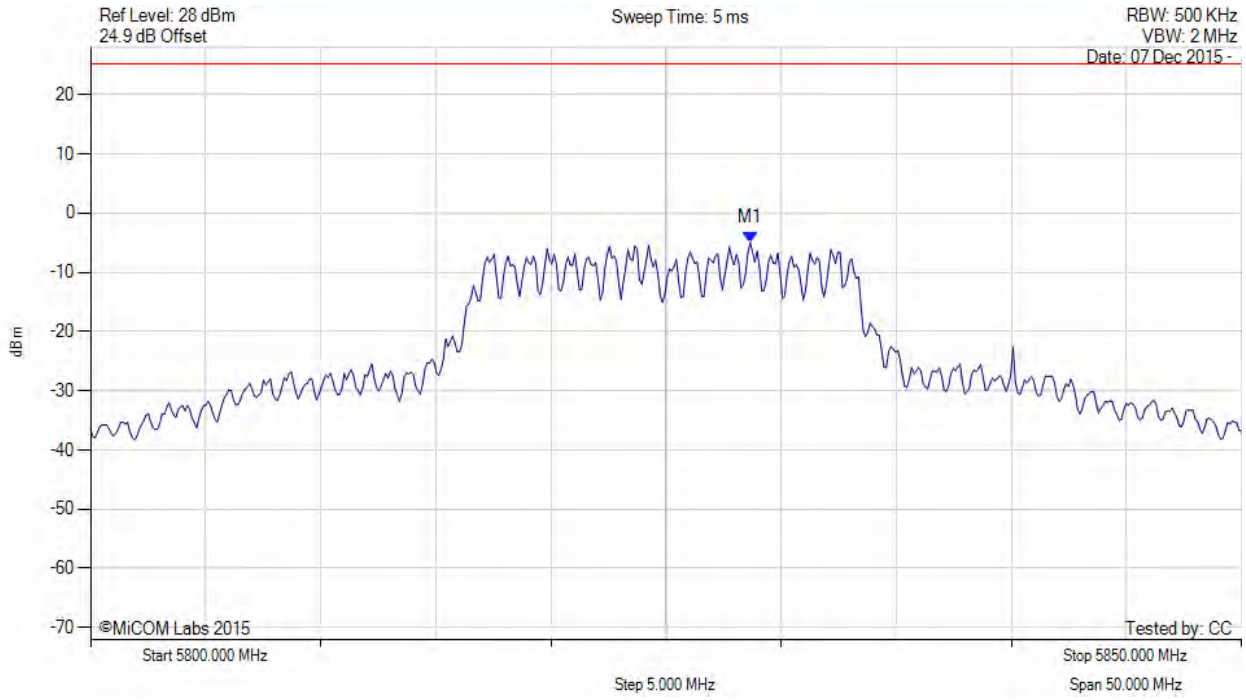


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5830.060 MHz : -4.970 dBm	Limit: ≤ 25.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

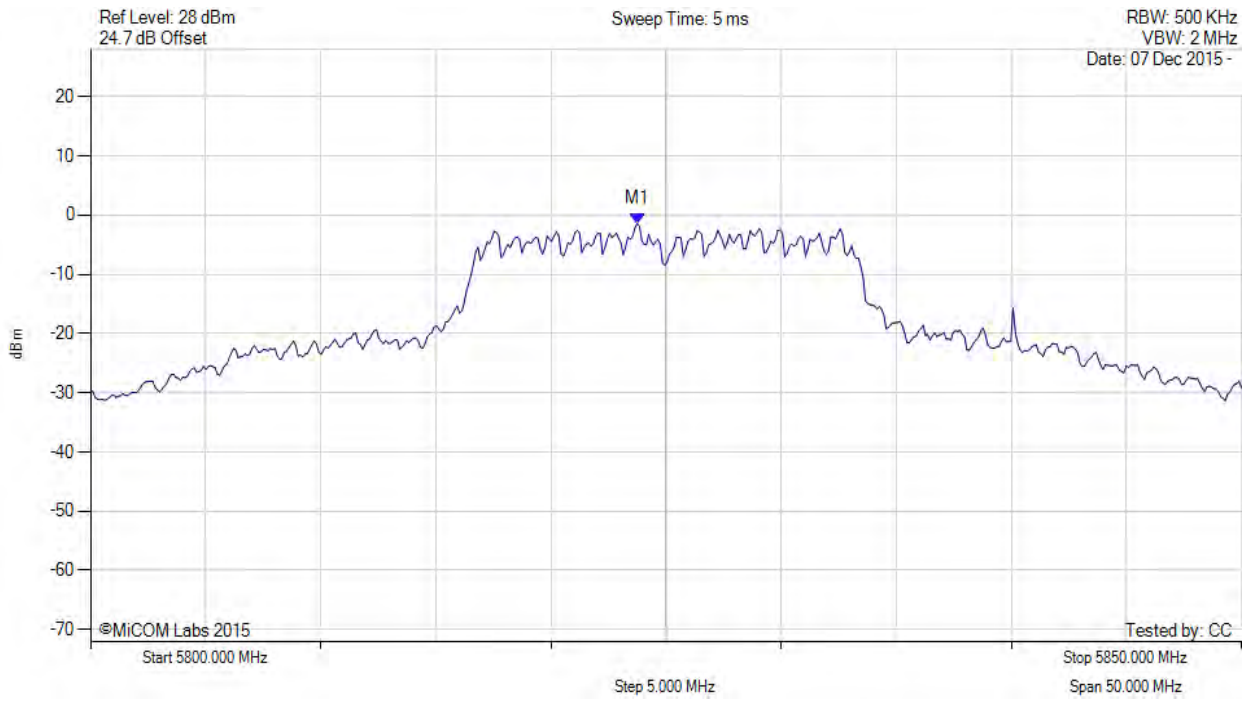


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5828.657 MHz : -5.013 dBm	Limit: ≤ 25.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

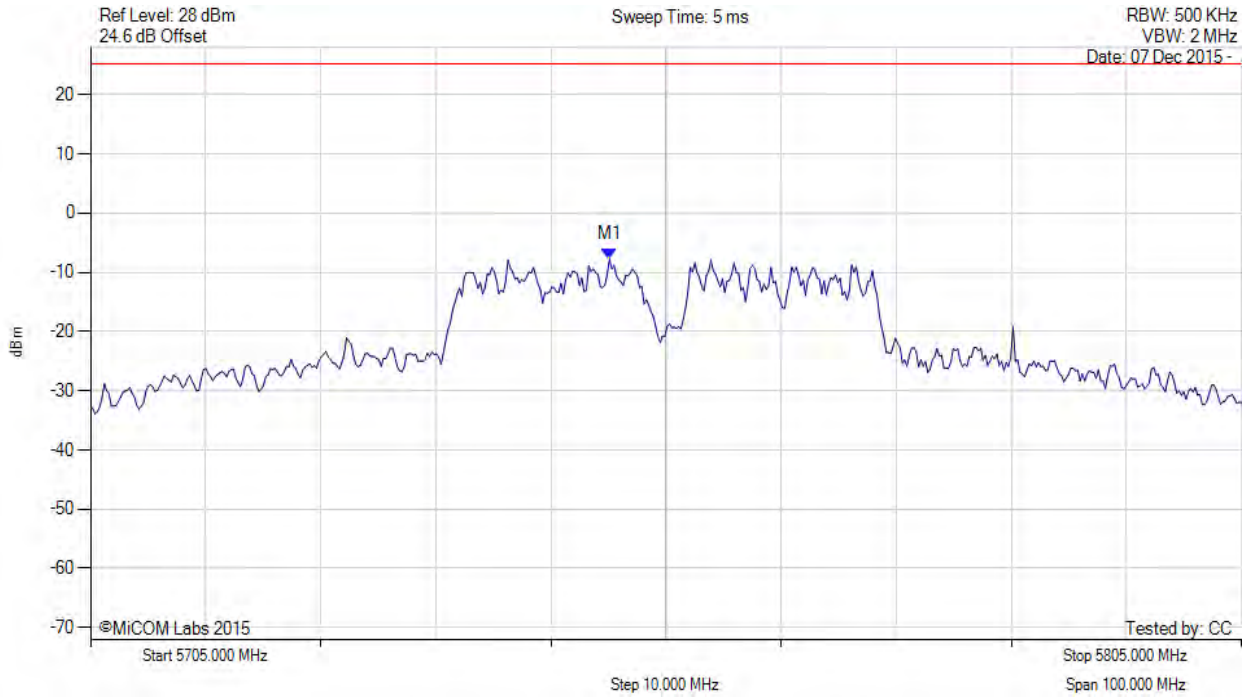


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5823.700 MHz : -1.388 dBm M1 + DCCF : 5823.700 MHz : -1.026 dBm Duty Cycle Correction Factor : +0.36 dB	Limit: ≤ 30.0 dBm Margin: -31.0 dB

back to matrix

POWER SPECTRAL DENSITY

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

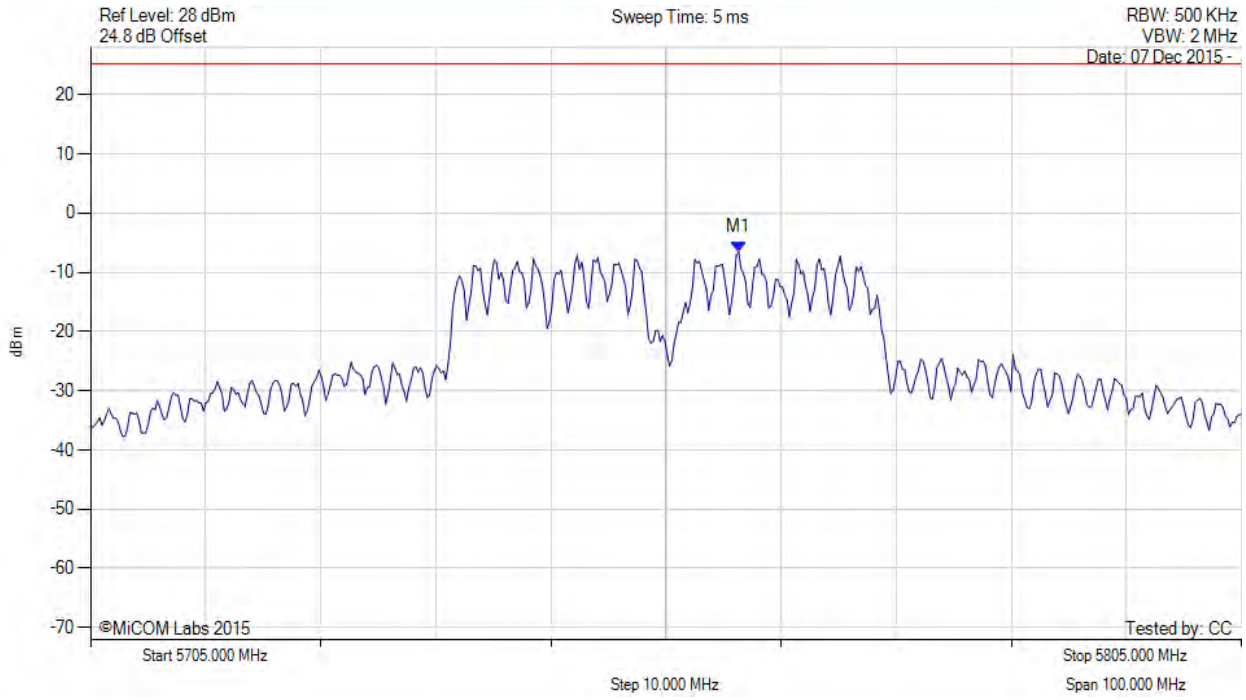


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5750.090 MHz : -7.807 dBm	Limit: ≤ 25.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

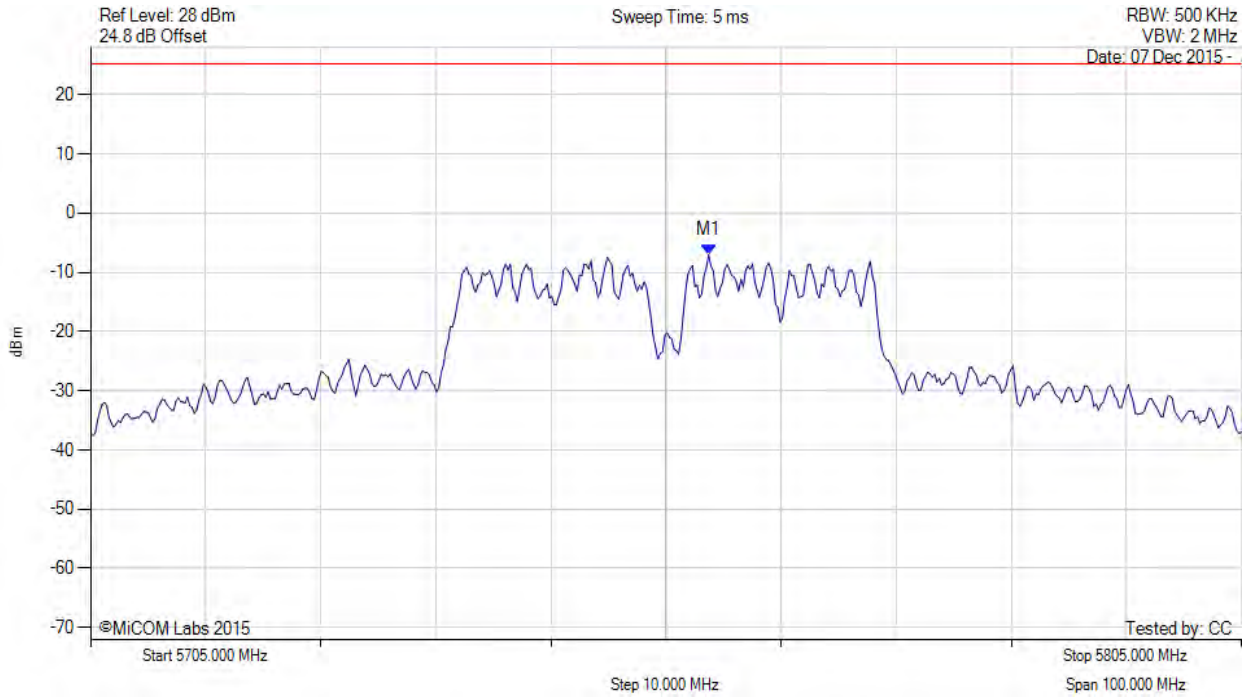


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5761.313 MHz : -6.525 dBm	Limit: ≤ 25.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

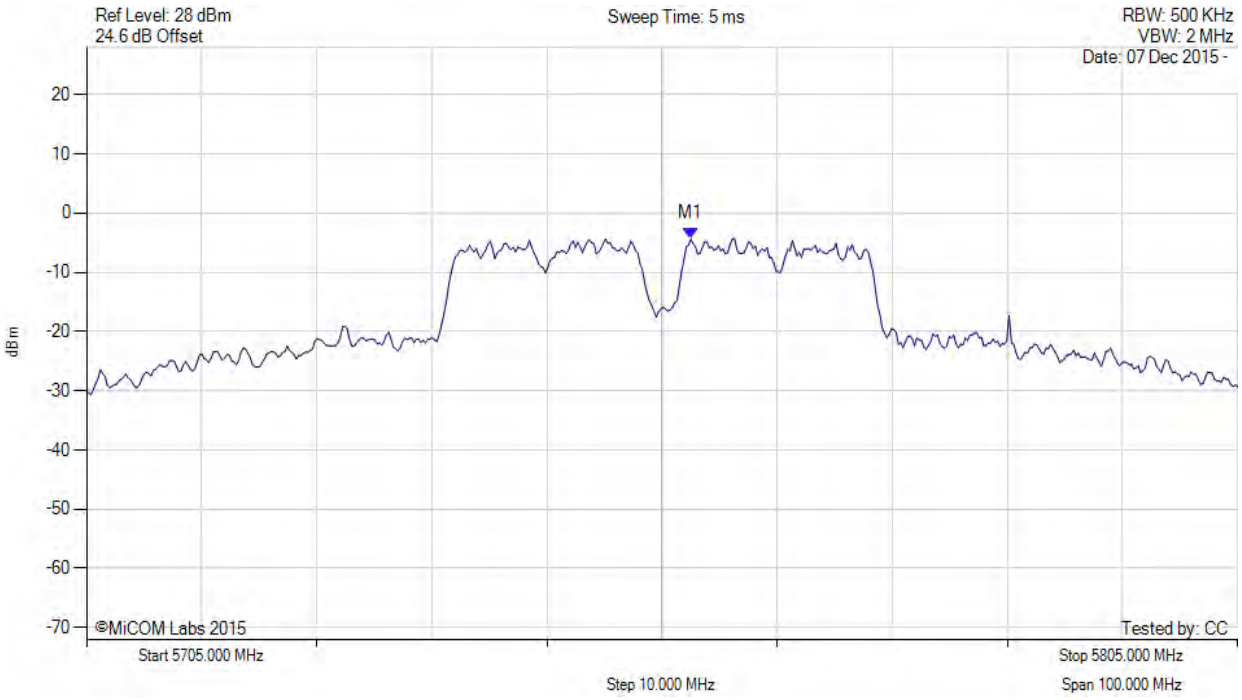


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5758.707 MHz : -7.080 dBm	Limit: ≤ 25.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

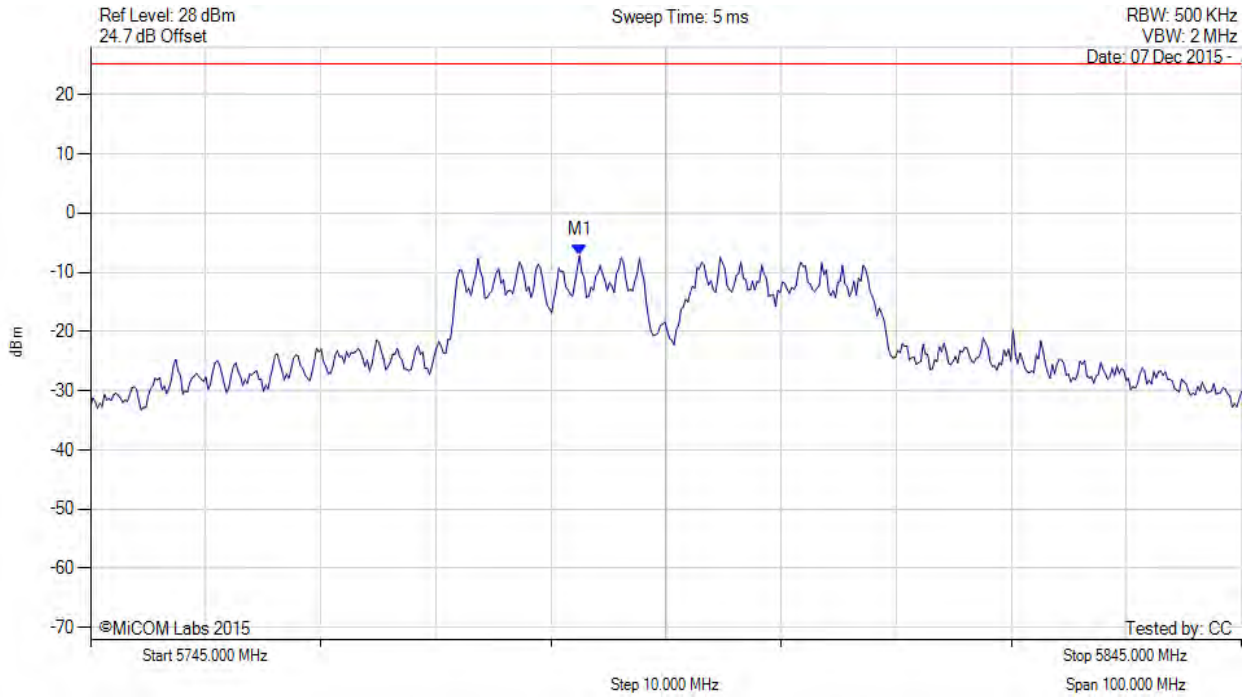


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5757.500 MHz : -4.341 dBm M1 + DCCF : 5757.500 MHz : -1.745 dBm Duty Cycle Correction Factor : +2.6 dB	Limit: ≤ 30.0 dBm Margin: -31.7 dB

back to matrix

POWER SPECTRAL DENSITY

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

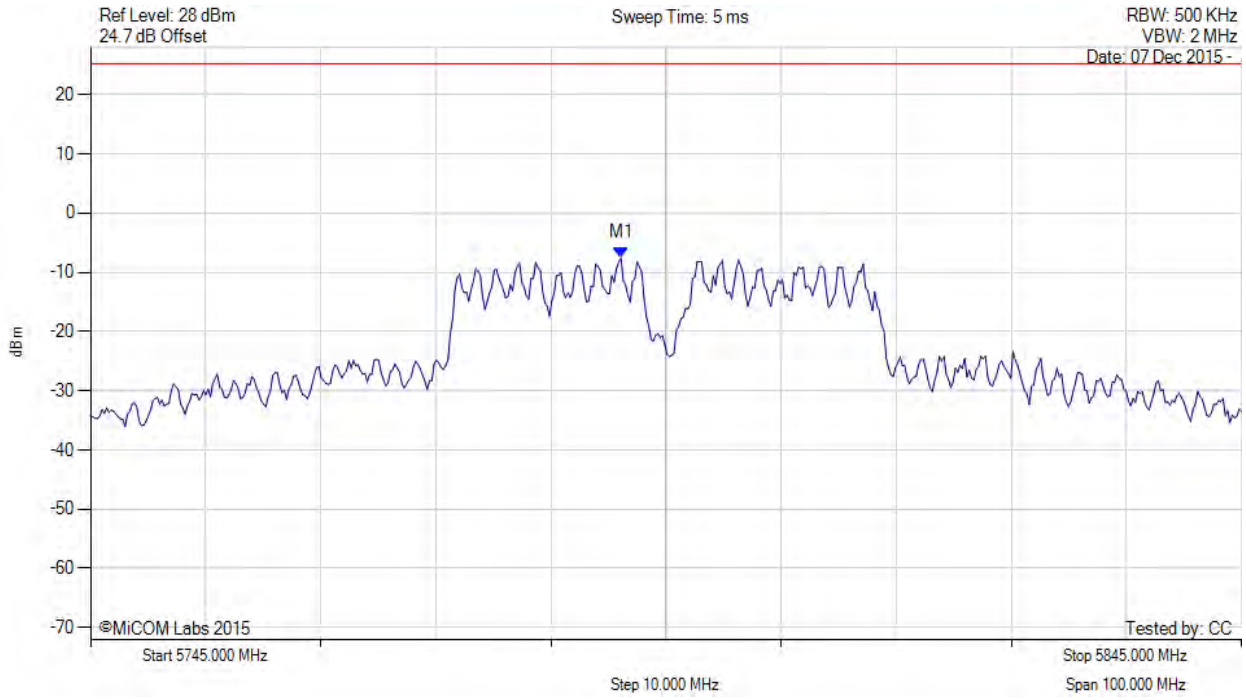


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5787.485 MHz : -7.161 dBm	Limit: ≤ 25.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

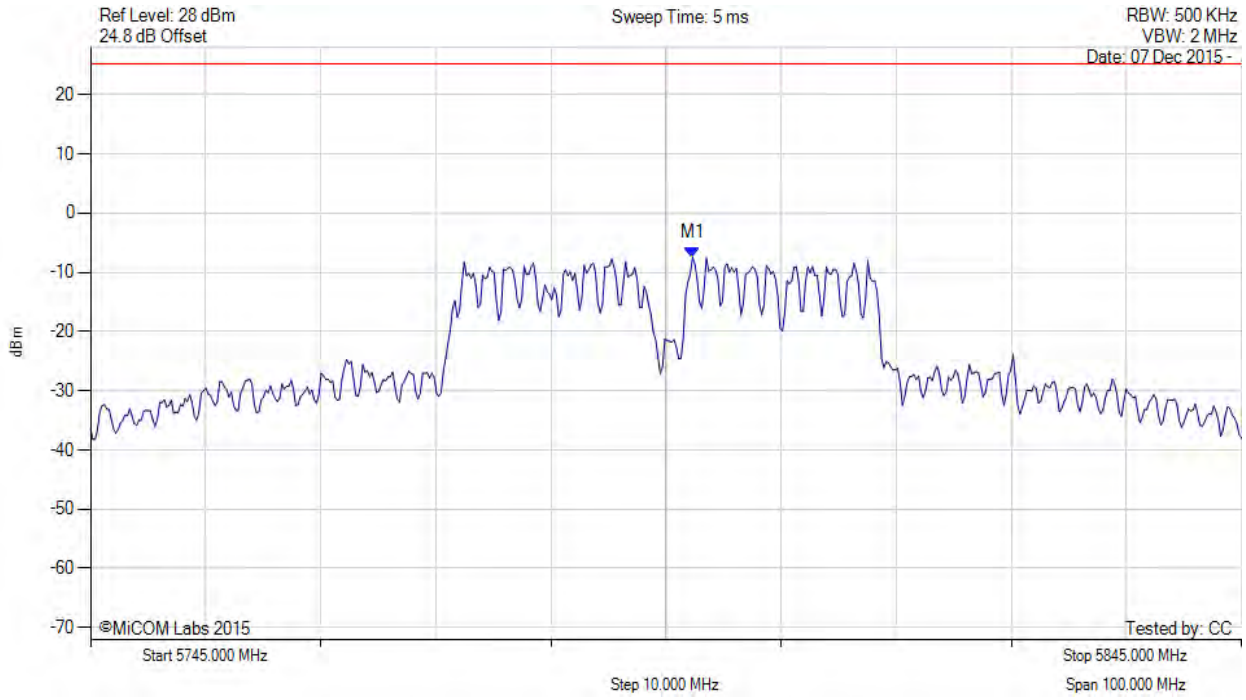


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5791.092 MHz : -7.566 dBm	Limit: ≤ 25.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

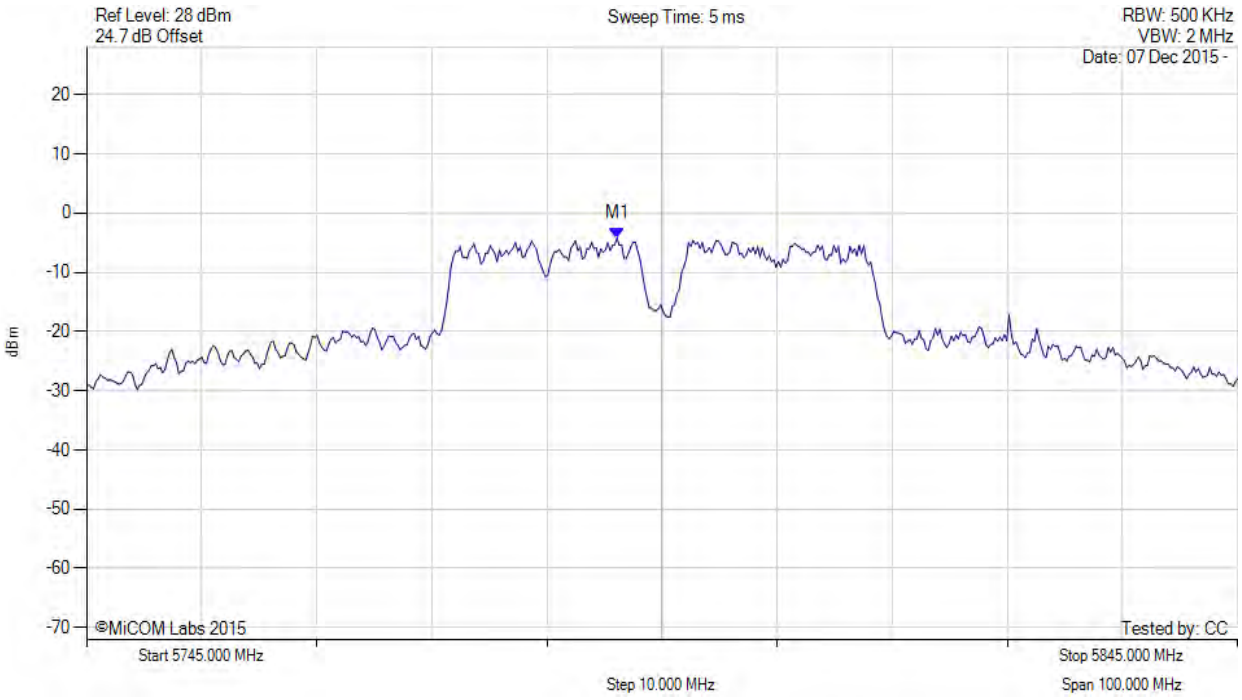


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5797.305 MHz : -7.480 dBm	Limit: ≤ 25.230 dBm

back to matrix

POWER SPECTRAL DENSITY

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

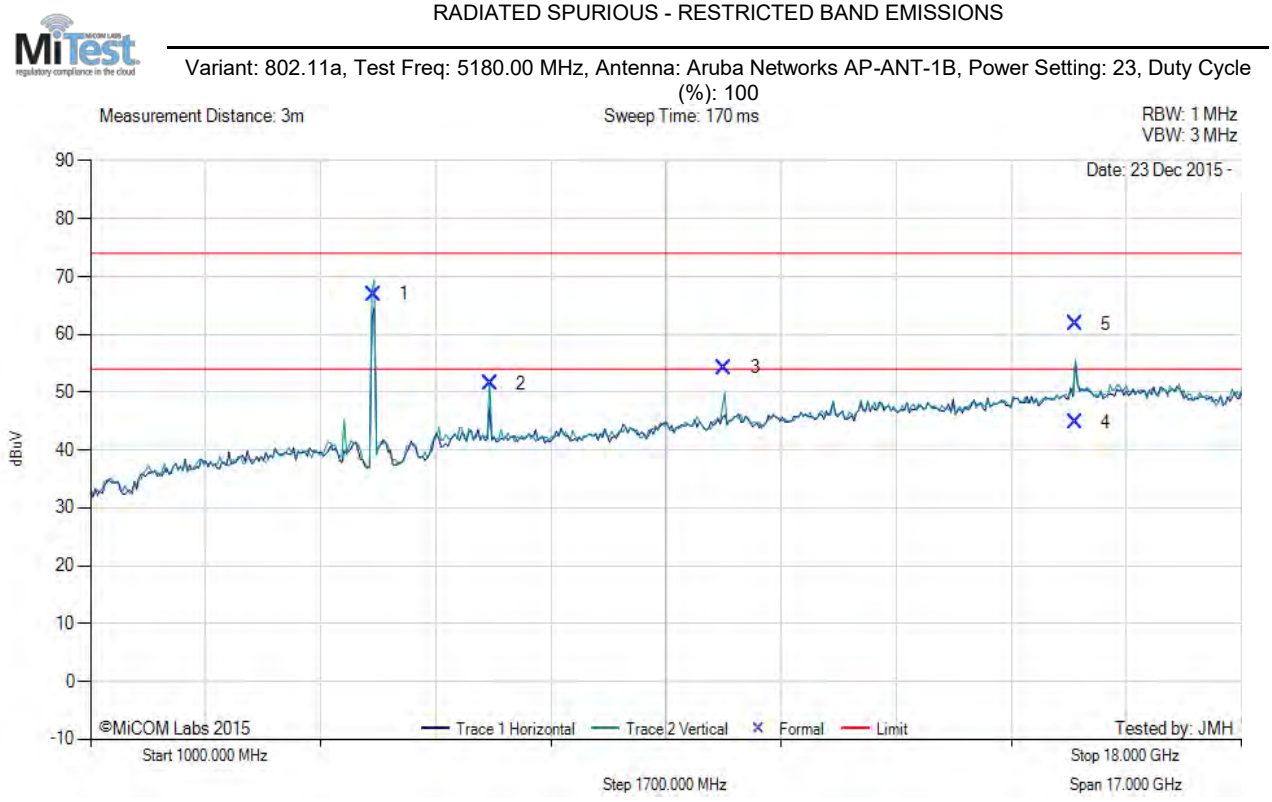


Analyzer Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5791.100 MHz : -4.241 dBm M1 + DCCF : 5791.100 MHz : -1.645 dBm Duty Cycle Correction Factor : +2.6 dB	Limit: ≤ 30.0 dBm Margin: -31.6 dB

back to matrix

A.3. Restricted Band Emissions

A.3.1 Antenna AP-ANT-1B



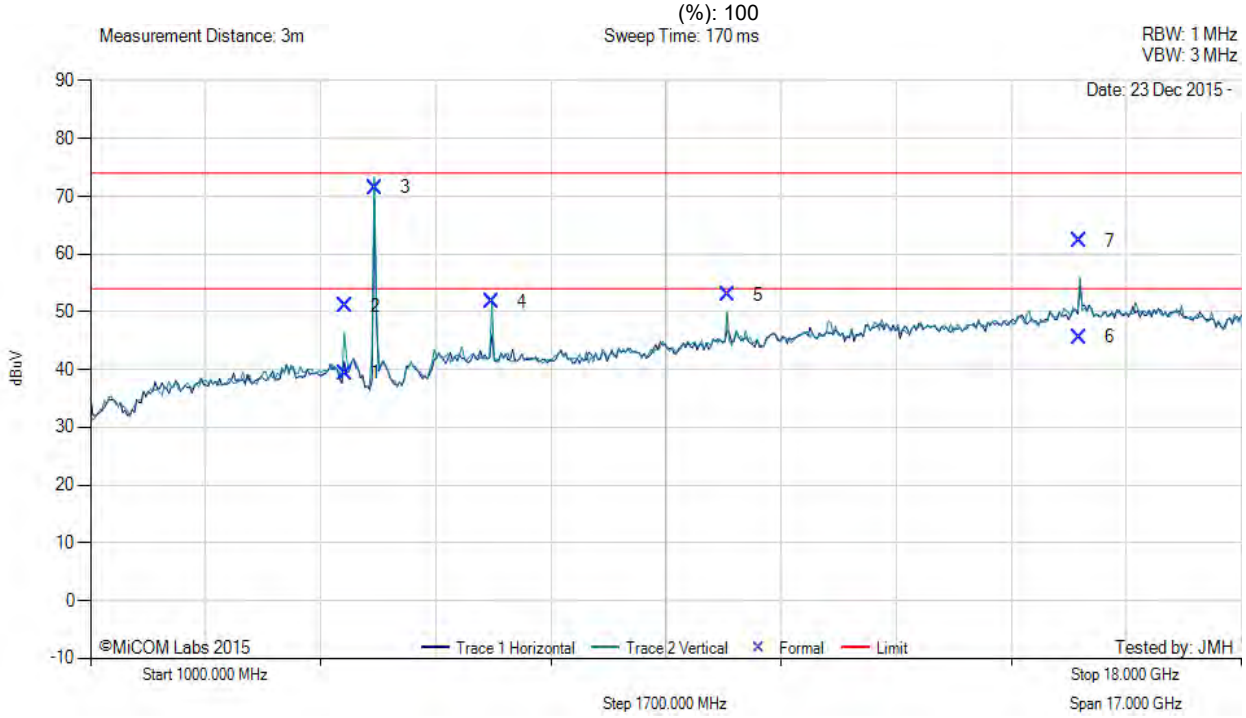
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5182.48	74.71	3.69	-11.50	66.90	Fundamental	Vertical	151	19	--	--	
2	6906.74	54.95	4.11	-7.54	51.52	Peak (NRB)	Vertical	151	19	--	--	Pass
3	10363.25	53.87	5.58	-5.25	54.20	Peak (NRB)	Vertical	151	0	--	--	Pass
4	15543.04	39.37	5.97	-0.56	44.78	Max Avg	Horizontal	158	348	54.0	-9.2	Pass
5	15543.04	56.36	5.97	-0.56	61.77	Max Peak	Horizontal	158	348	74.0	-12.2	Pass

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

back to matrix

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5200.00 MHz, Antenna: Aruba Networks AP-ANT-1B, Power Setting: 23, Duty Cycle (%): 100



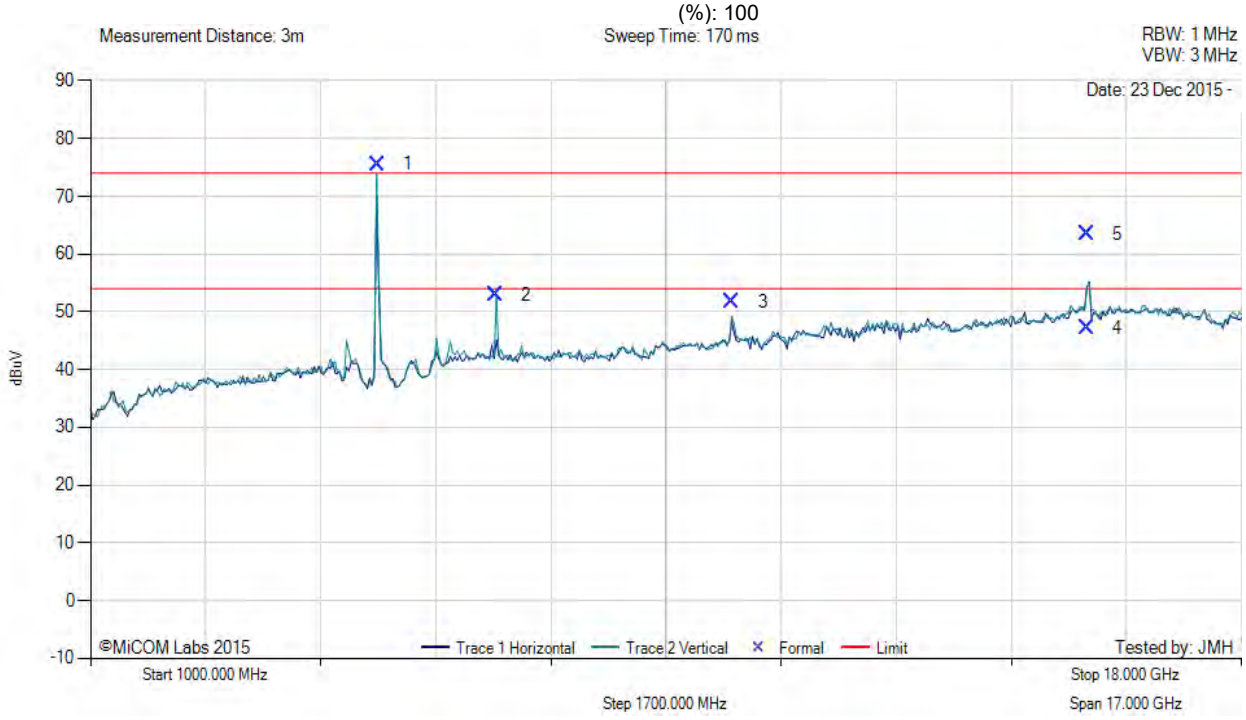
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	4764.81	46.94	3.59	-11.11	39.42	Max Avg	Vertical	152	325	54.0	-14.6	Pass
2	4764.81	58.50	3.59	-11.11	50.98	Max Peak	Vertical	152	325	74.0	-23.0	Pass
3	5202.04	79.28	3.66	-11.46	71.48	Fundamental	Vertical	151	17	--	--	
4	6933.32	55.03	4.11	-7.49	51.65	Peak (NRB)	Vertical	151	360	--	--	Pass
5	10405.74	52.53	5.45	-4.99	52.99	Peak (NRB)	Vertical	151	360	--	--	Pass
6	15603.01	39.80	6.03	-0.22	45.61	Max Avg	Vertical	161	297	54.0	-8.4	Pass
7	15603.01	56.51	6.03	-0.22	62.32	Max Peak	Vertical	161	297	74.0	-11.7	Pass

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

back to matrix

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5240.00 MHz, Antenna: Aruba Networks AP-ANT-1B, Power Setting: 23, Duty Cycle (%): 100



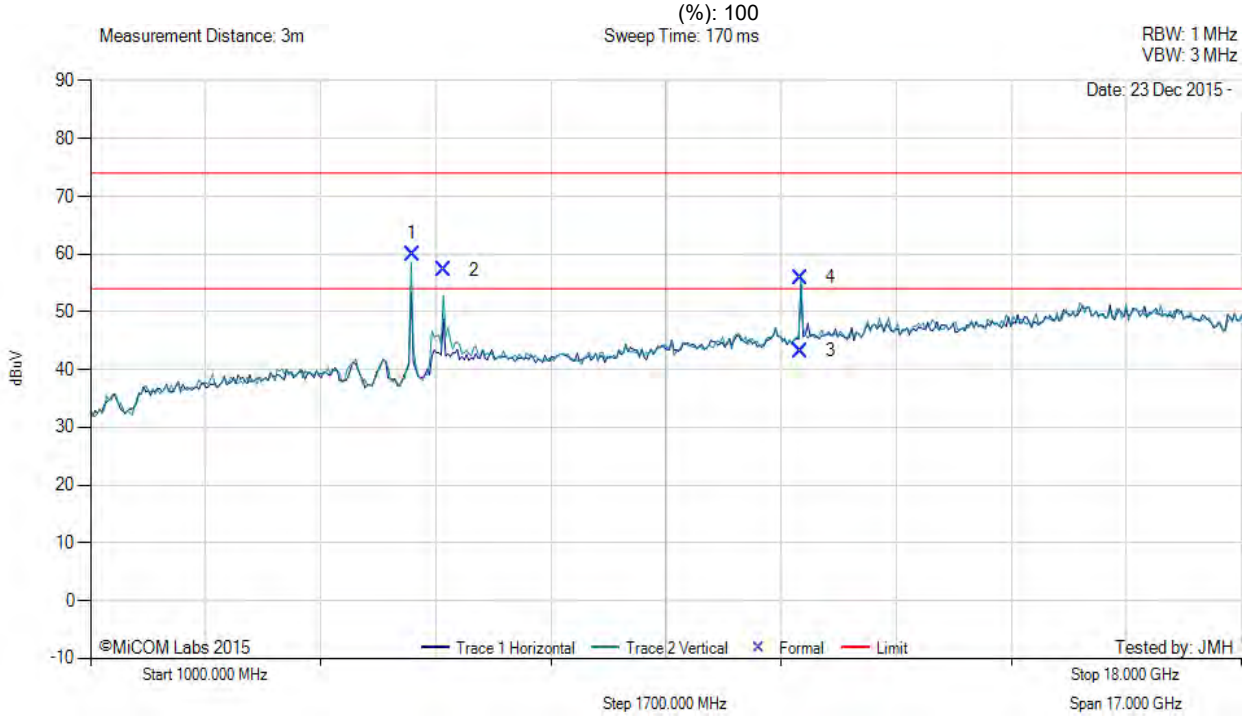
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5238.28	83.29	3.63	-11.37	75.55	Fundamental	Vertical	200	1	--	--	
2	6986.65	56.28	4.13	-7.45	52.96	Peak (NRB)	Vertical	200	0	--	--	Pass
3	10478.72	50.72	5.43	-4.46	51.69	Peak (NRB)	Vertical	200	101	--	--	Pass
4	15722.88	40.90	6.12	0.17	47.19	Max Avg	Horizontal	198	291	54.0	-6.8	Pass
5	15722.88	57.16	6.12	0.17	63.45	Max Peak	Horizontal	198	291	74.0	-10.6	Pass

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

back to matrix

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-1B, Power Setting: 23, Duty Cycle (%): 100



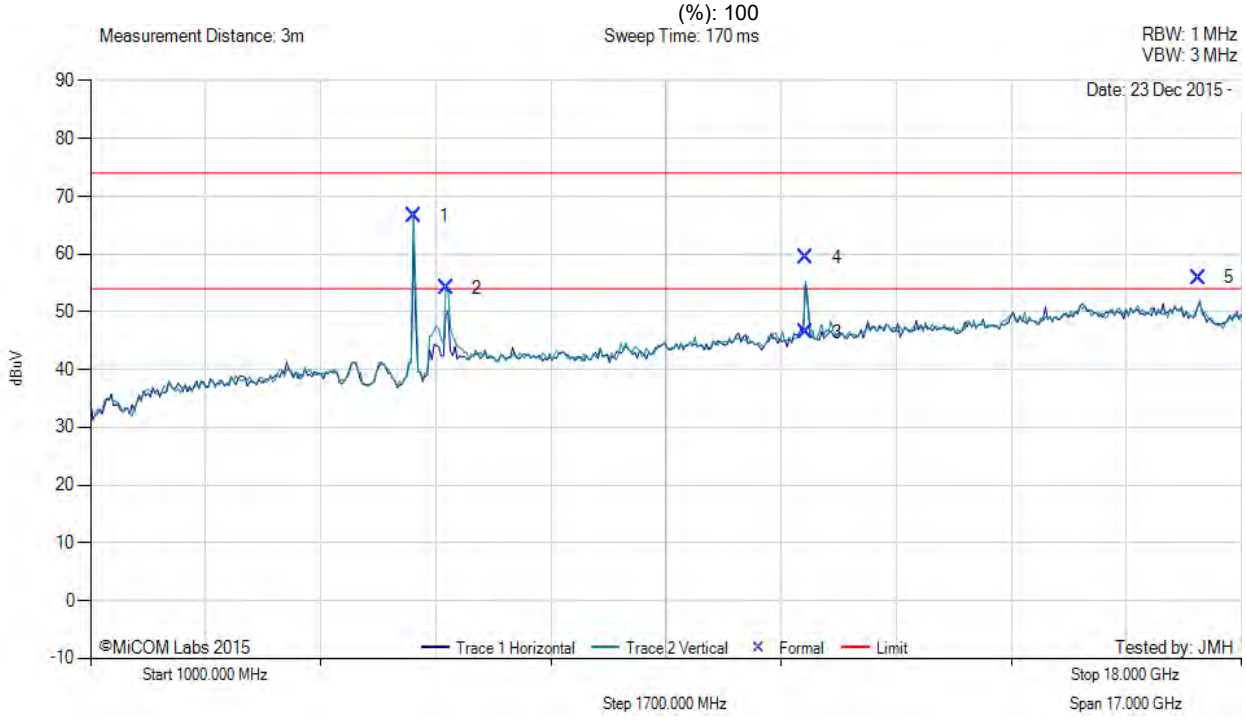
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5752.58	66.80	3.84	-10.61	60.03	Fundamental	Vertical	200	1	--	--	
2	6218.31	62.11	3.92	-8.80	57.23	Peak (NRB)	Vertical	200	39	--	--	Pass
3	11489.90	42.59	5.45	-4.84	43.20	Max Avg	Vertical	131	21	54.0	-10.8	Pass
4	11489.90	55.31	5.45	-4.84	55.92	Max Peak	Vertical	131	21	74.0	-18.1	Pass

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

back to matrix

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5785.00 MHz, Antenna: Aruba Networks AP-ANT-1B, Power Setting: 23, Duty Cycle (%): 100



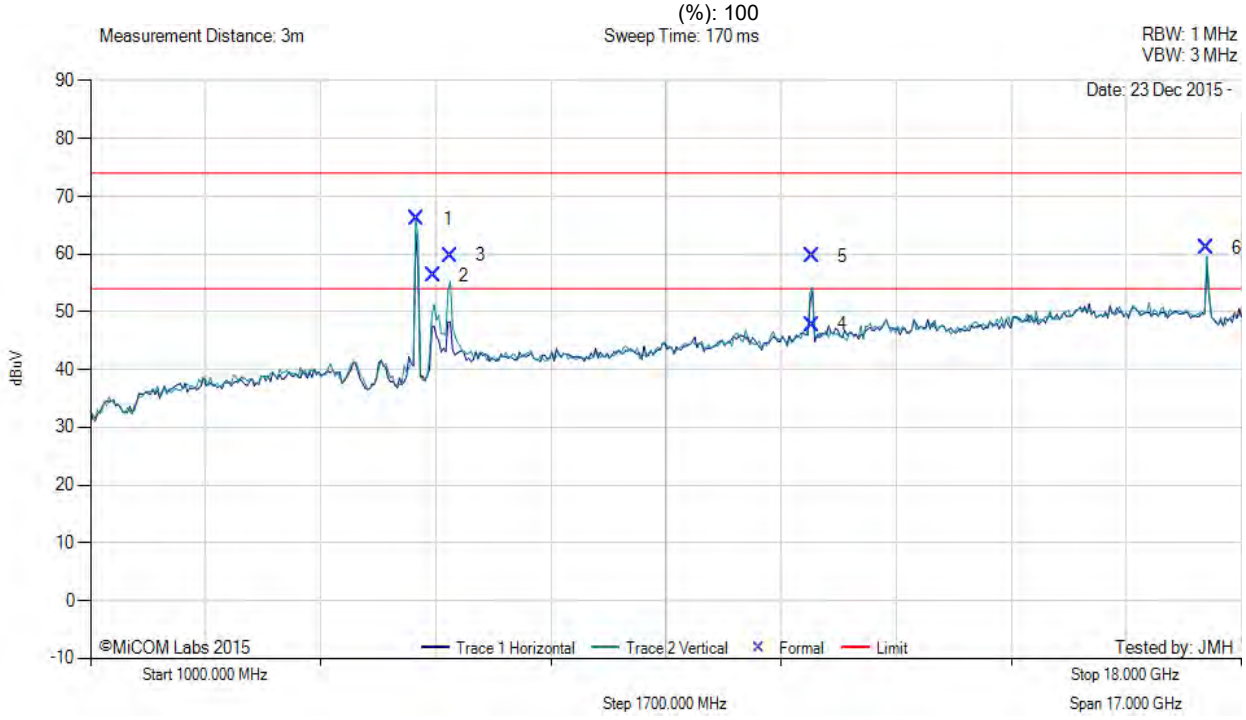
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5783.93	73.16	3.80	-10.45	66.51	Fundamental	Vertical	200	1	--	--	
2	6261.60	58.76	3.93	-8.54	54.15	Peak (NRB)	Vertical	200	1	--	--	Pass
3	11571.58	45.60	5.42	-4.63	46.39	Max Avg	Vertical	196	0	54.0	-7.6	Pass
4	11571.58	58.59	5.42	-4.63	59.38	Max Peak	Vertical	196	0	74.0	-14.6	Pass
5	17359.84	49.64	6.28	-0.04	55.88	Peak (NRB)	Vertical	200	360	--	--	Pass

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

back to matrix

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-1B, Power Setting: 23, 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	5823.29	72.59	3.83	-10.25	66.17	Fundamental	Vertical	151	1	--	--	
2	6067.77	62.02	3.88	-9.61	56.29	Peak (NRB)	Vertical	200	360	--	--	Pass
3	6308.90	64.18	3.92	-8.38	59.72	Peak (NRB)	Vertical	200	360	--	--	Pass
4	11651.07	46.77	5.46	-4.47	47.76	Max Avg	Vertical	164	353	54.0	-6.2	Pass
5	11651.07	58.63	5.46	-4.47	59.62	Max Peak	Vertical	164	353	74.0	-14.4	Pass
6	17479.60	55.30	6.34	-0.60	61.04	Peak (NRB)	Vertical	200	246	--	--	Pass

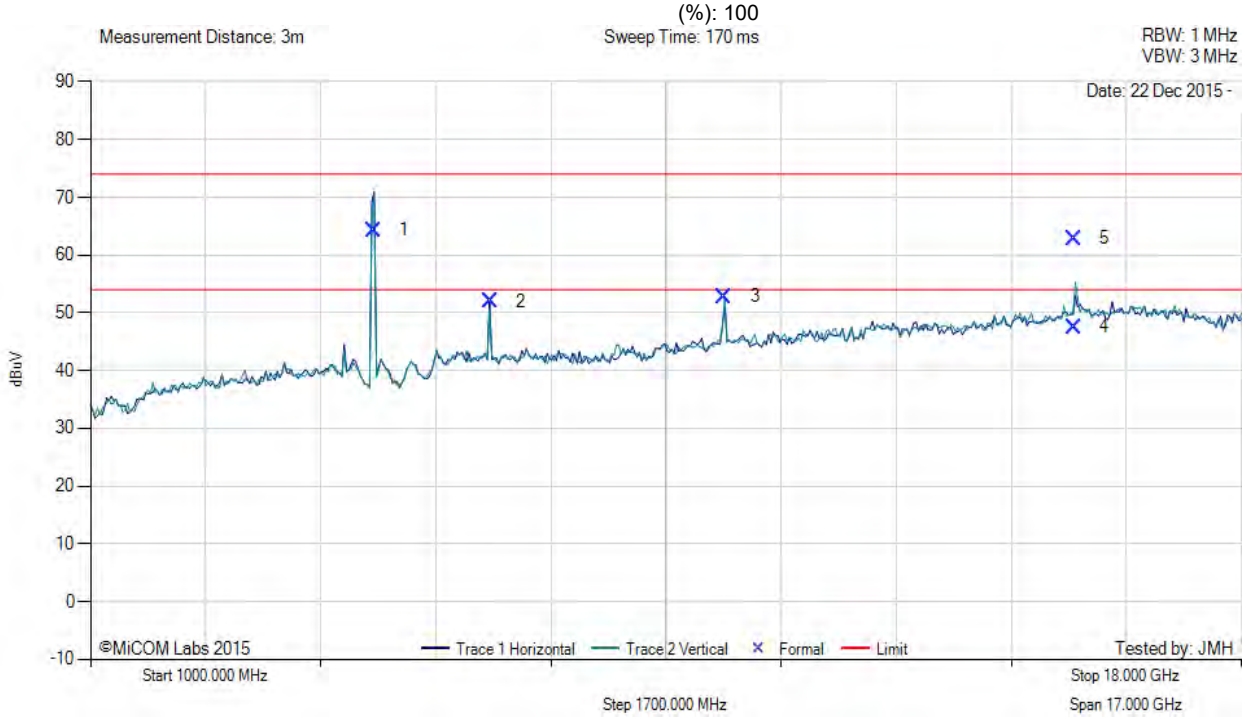
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

A.3.2 Antenna AP-ANT-13B

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5180.00 MHz, Antenna: Aruba Networks AP-ANT-13B, Power Setting: 23, Duty Cycle (%): 100



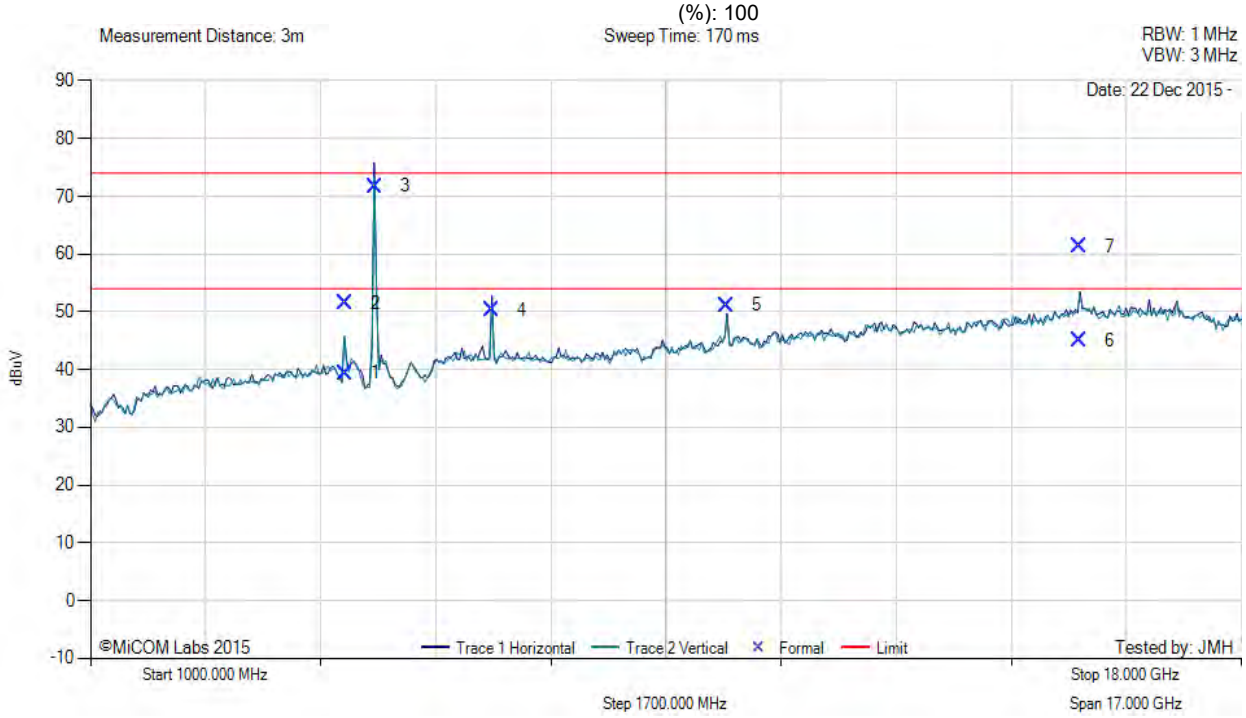
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5179.12	72.13	3.69	-11.51	64.31	Fundamental	Horizontal	151	1	--	--	
2	6906.59	55.43	4.11	-7.54	52.00	Peak (NRB)	Horizontal	151	9	--	--	Pass
3	10362.69	52.44	5.58	-5.25	52.77	Peak (NRB)	Vertical	151	9	--	--	Pass
4	15533.54	42.24	5.89	-0.60	47.53	Max Avg	Vertical	172	141	54.0	-6.5	Pass
5	15533.54	57.59	5.89	-0.60	62.88	Max Peak	Vertical	172	141	74.0	-11.1	Pass

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

back to matrix

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5200.00 MHz, Antenna: Aruba Networks AP-ANT-13B, Power Setting: 23, Duty Cycle (%): 100



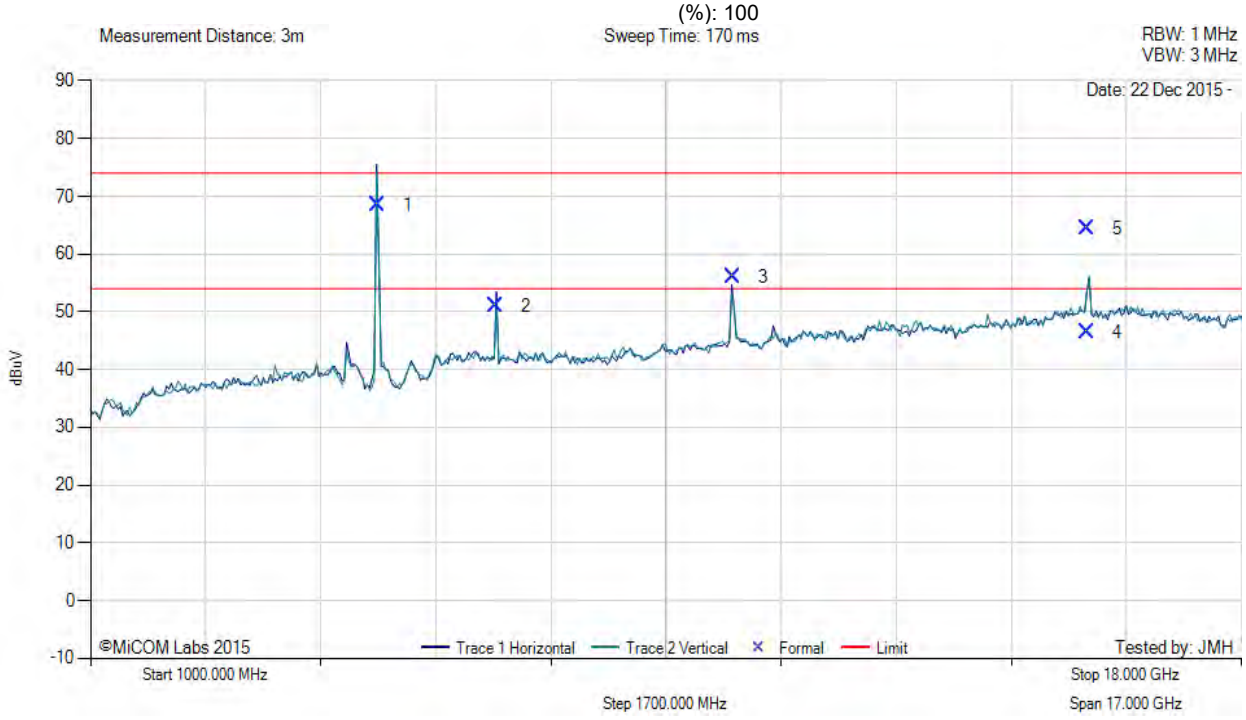
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	4765.01	46.92	3.59	-11.11	39.40	Max Avg	Horizontal	100	332	54.0	-14.6	Pass
2	4765.01	59.03	3.59	-11.11	51.51	Max Peak	Horizontal	100	332	74.0	-22.5	Pass
3	5199.00	79.56	3.66	-11.47	71.75	Fundamental	Horizontal	101	1	--	--	
4	6933.35	53.62	4.11	-7.49	50.24	Peak (NRB)	Horizontal	148	0	--	--	Pass
5	10400.28	50.75	5.40	-5.03	51.12	Peak (NRB)	Horizontal	148	48	--	--	Pass
6	15602.89	39.23	6.03	-0.22	45.04	Max Avg	Horizontal	157	346	54.0	-9.0	Pass
7	15602.89	55.50	6.03	-0.22	61.31	Max Peak	Horizontal	157	346	74.0	-12.7	Pass

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

back to matrix

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5240.00 MHz, Antenna: Aruba Networks AP-ANT-13B, Power Setting: 23, Duty Cycle (%): 100



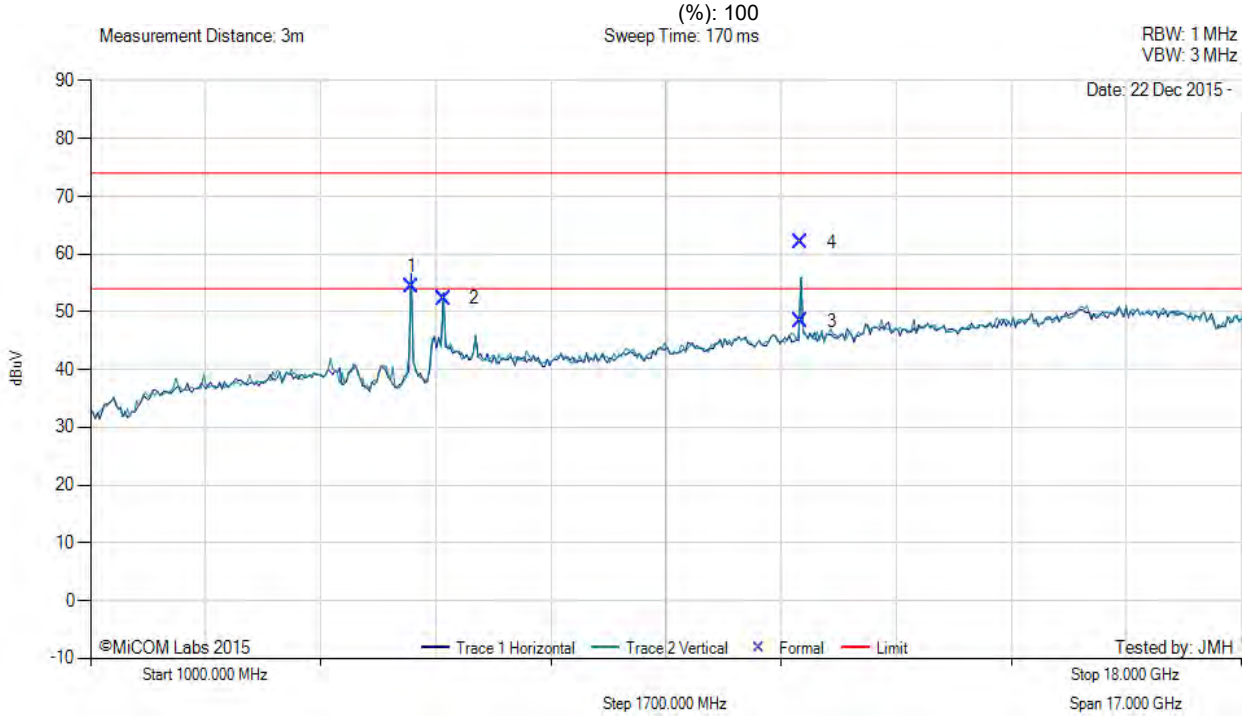
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5239.16	76.19	3.63	-11.37	68.45	Fundamental	Horizontal	151	1	--	--	
2	6986.52	54.29	4.13	-7.45	50.97	Peak (NRB)	Horizontal	151	18	--	--	Pass
3	10482.92	55.07	5.40	-4.44	56.03	Peak (NRB)	Horizontal	151	18	--	--	Pass
4	15723.20	40.11	6.12	0.17	46.40	Max Avg	Horizontal	147	292	54.0	-7.6	Pass
5	15723.20	58.09	6.12	0.17	64.38	Max Peak	Horizontal	147	292	74.0	-9.6	Pass

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

back to matrix

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-13B, Power Setting: 23, Duty Cycle (%): 100



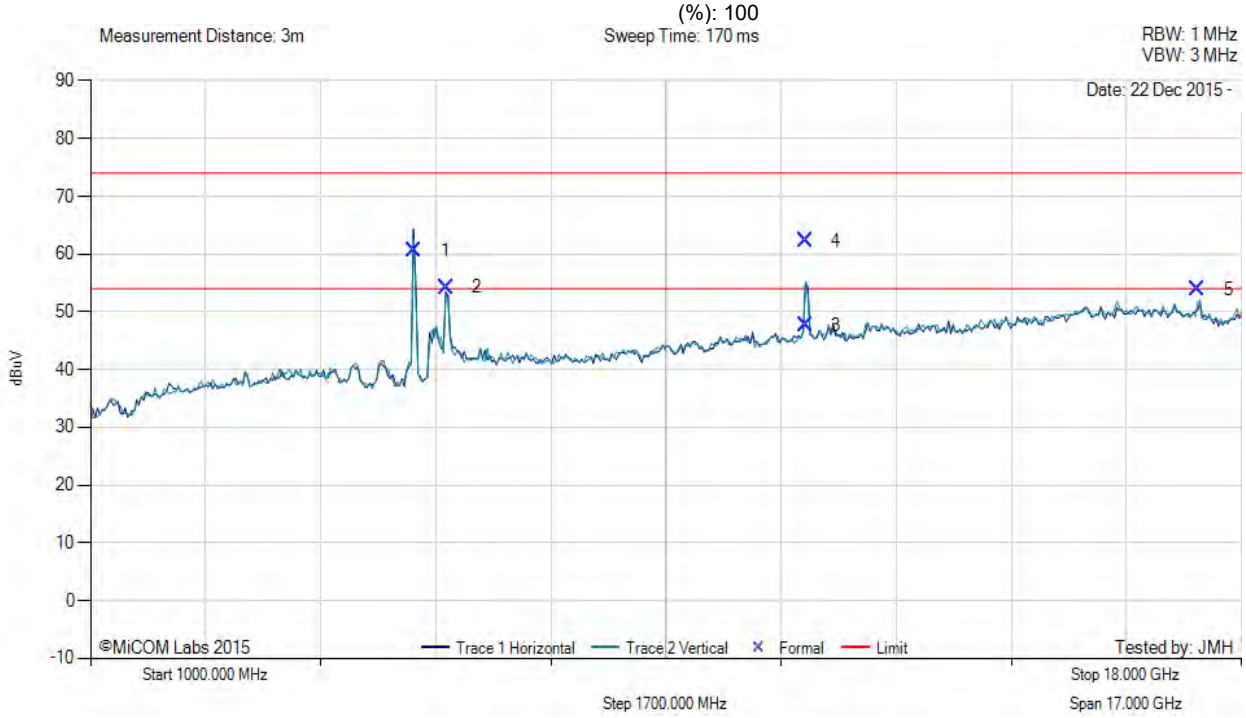
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5738.00	61.24	3.82	-10.67	54.39	Fundamental	Horizontal	101	21	--	--	
2	6220.64	57.20	3.92	-8.77	52.35	Peak (NRB)	Horizontal	151	21	--	--	Pass
3	11494.79	47.79	5.45	-4.83	48.41	Max Avg	Horizontal	146	315	54.0	-5.6	Pass
4	11494.79	61.35	5.45	-4.83	61.97	Max Peak	Horizontal	146	315	74.0	-12.0	Pass

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

back to matrix

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5785.00 MHz, Antenna: Aruba Networks AP-ANT-13B, Power Setting: 23, Duty Cycle (%): 100



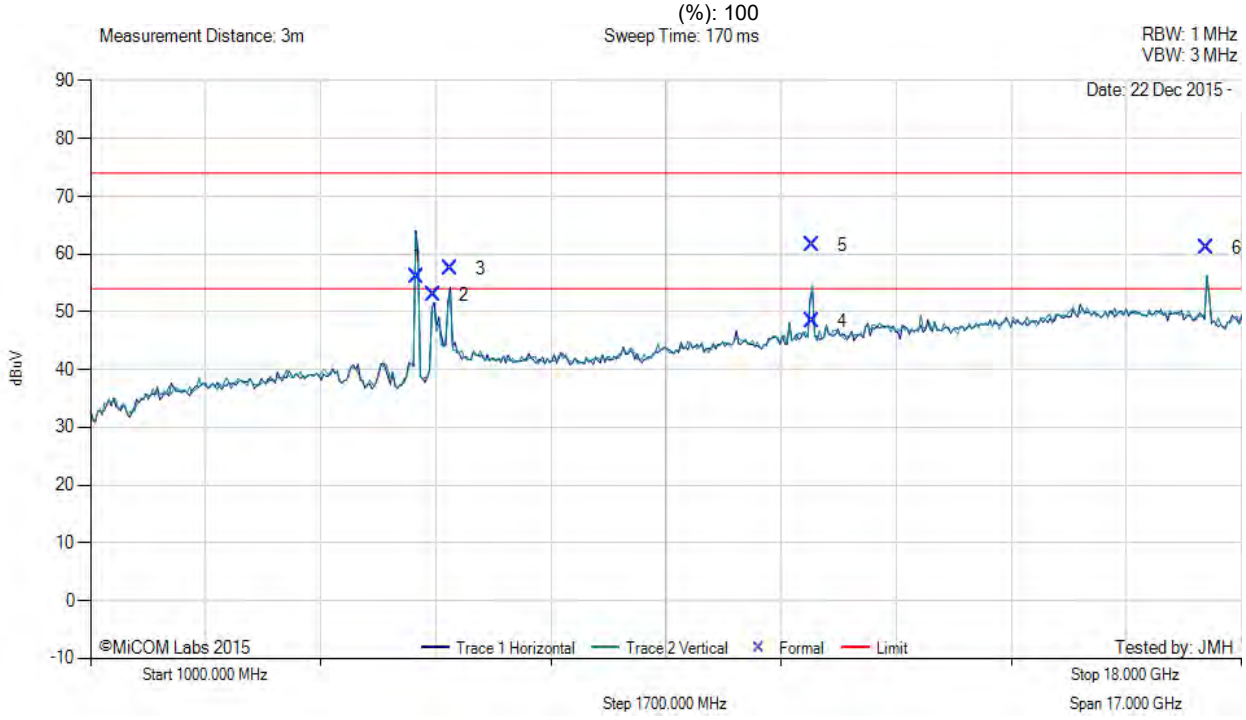
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5784.17	67.27	3.80	-10.45	60.62	Fundamental	Horizontal	101	1	--	--	
2	6261.76	58.87	3.93	-8.54	54.26	Peak (NRB)	Horizontal	101	55	--	--	Pass
3	11568.70	46.81	5.48	-4.65	47.64	Max Avg	Horizontal	196	327	54.0	-6.4	Pass
4	11568.70	61.40	5.48	-4.65	62.23	Max Peak	Horizontal	196	327	74.0	-11.8	Pass
5	17355.35	47.68	6.27	-0.01	53.94	Peak (NRB)	Horizontal	200	16	--	--	Pass

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

back to matrix

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-13B, Power Setting: 23, 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	5817.36	62.46	3.82	-10.29	55.99	Fundamental	Horizontal	151	1	--	--	
2	6067.57	58.62	3.88	-9.61	52.89	Peak (NRB)	Horizontal	151	65	--	--	Pass
3	6309.78	61.99	3.91	-8.37	57.53	Peak (NRB)	Horizontal	151	16	--	--	Pass
4	11651.15	47.45	5.46	-4.47	48.44	Max Avg	Vertical	152	354	54.0	-5.6	Pass
5	11651.15	60.48	5.46	-4.47	61.47	Max Peak	Vertical	152	354	74.0	-12.5	Pass
6	17478.24	55.37	6.31	-0.60	61.08	Peak (NRB)	Horizontal	151	20	--	--	Pass

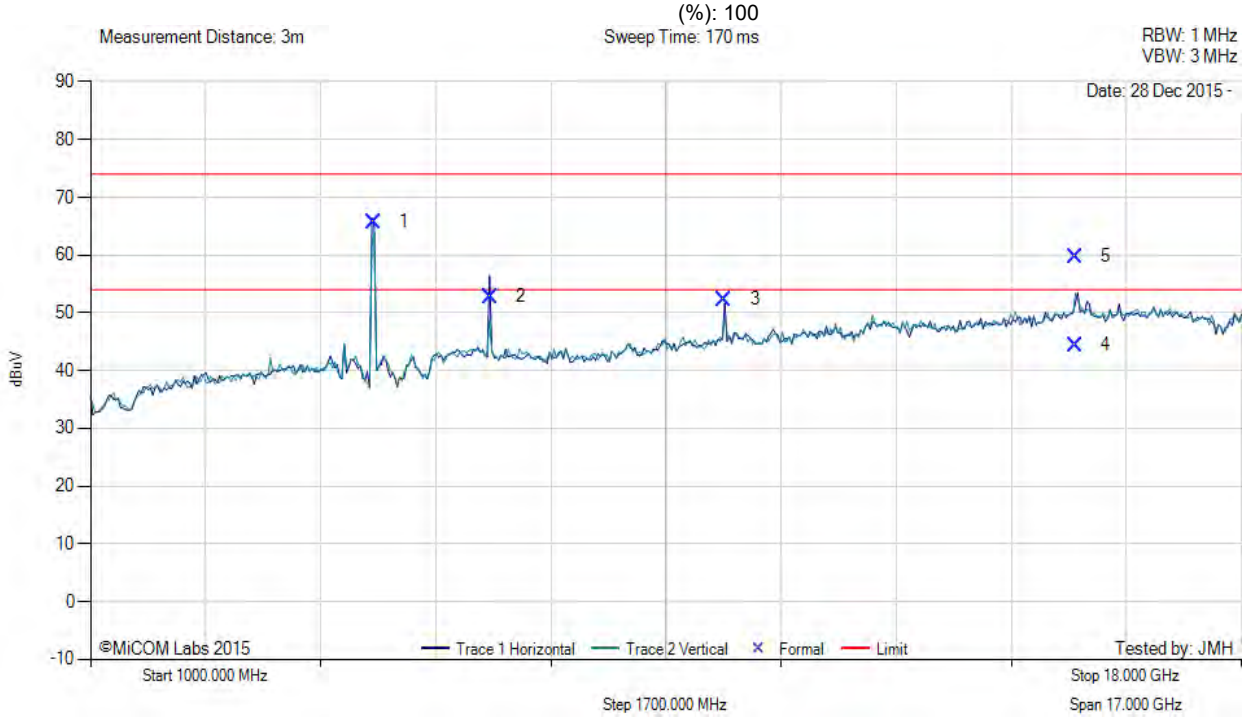
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

A.3.3 Antenna AP-ANT-16

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5180.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 23, Duty Cycle (%): 100



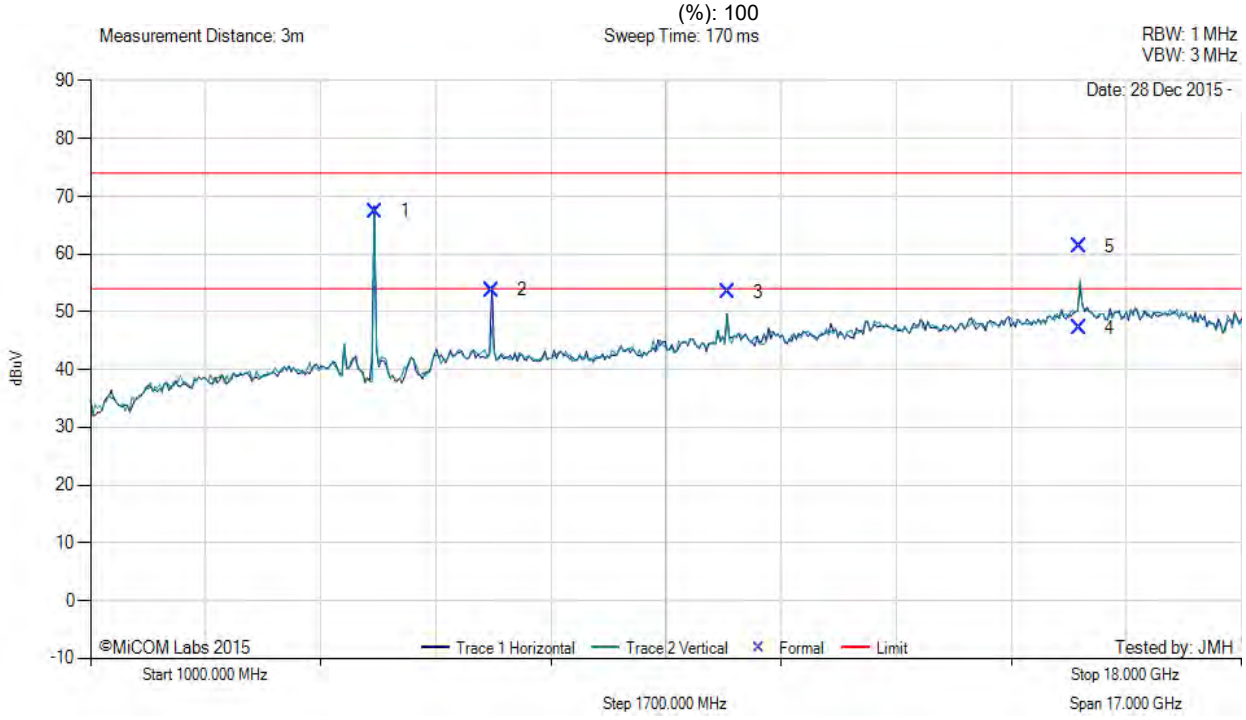
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5181.32	73.53	3.69	-11.50	65.72	Fundamental	Horizontal	101	9	--	--	
2	6906.74	56.26	4.11	-7.54	52.83	Peak (NRB)	Horizontal	151	9	--	--	Pass
3	10365.81	51.98	5.59	-5.23	52.34	Peak (NRB)	Horizontal	151	9	--	--	Pass
4	15542.64	39.03	5.97	-0.56	44.44	Max Avg	Horizontal	166	349	54.0	-9.6	Pass
5	15542.64	54.31	5.97	-0.56	59.72	Max Peak	Horizontal	166	349	74.0	-14.3	Pass

Test Notes: EUT on 150cm Table, powered by PDsine 9001GR

back to matrix

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5200.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 23, Duty Cycle (%): 100



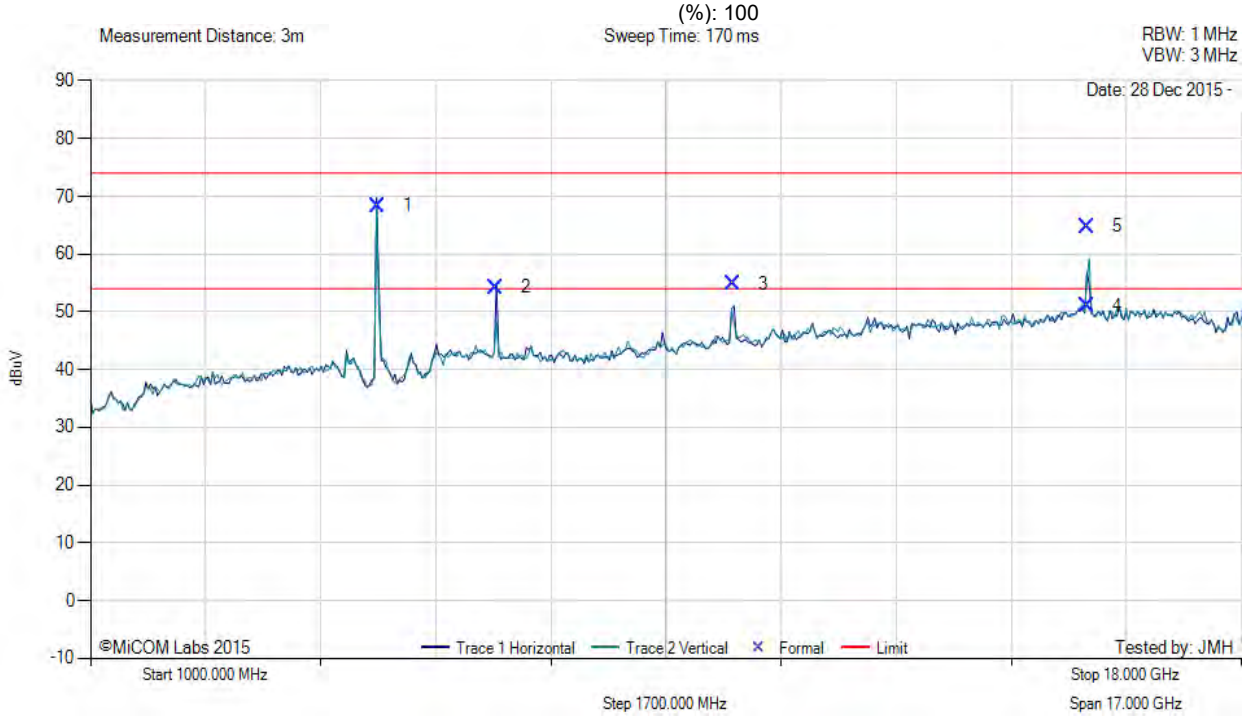
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5201.48	75.21	3.66	-11.46	67.41	Fundamental	Horizontal	100	0	--	--	
2	6933.35	57.14	4.11	-7.49	53.76	Peak (NRB)	Horizontal	151	19	--	--	Pass
3	10405.90	52.96	5.45	-4.99	53.42	Peak (NRB)	Horizontal	151	0	--	--	Pass
4	15602.28	41.42	6.03	-0.23	47.22	Max Avg	Vertical	150	316	54.0	-6.8	Pass
5	15602.28	55.50	6.03	-0.23	61.30	Max Peak	Vertical	150	316	74.0	-12.7	Pass

Test Notes: EUT on 150cm Table, powered by PDsine 9001GR

back to matrix

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5240.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 23, Duty Cycle (%): 100



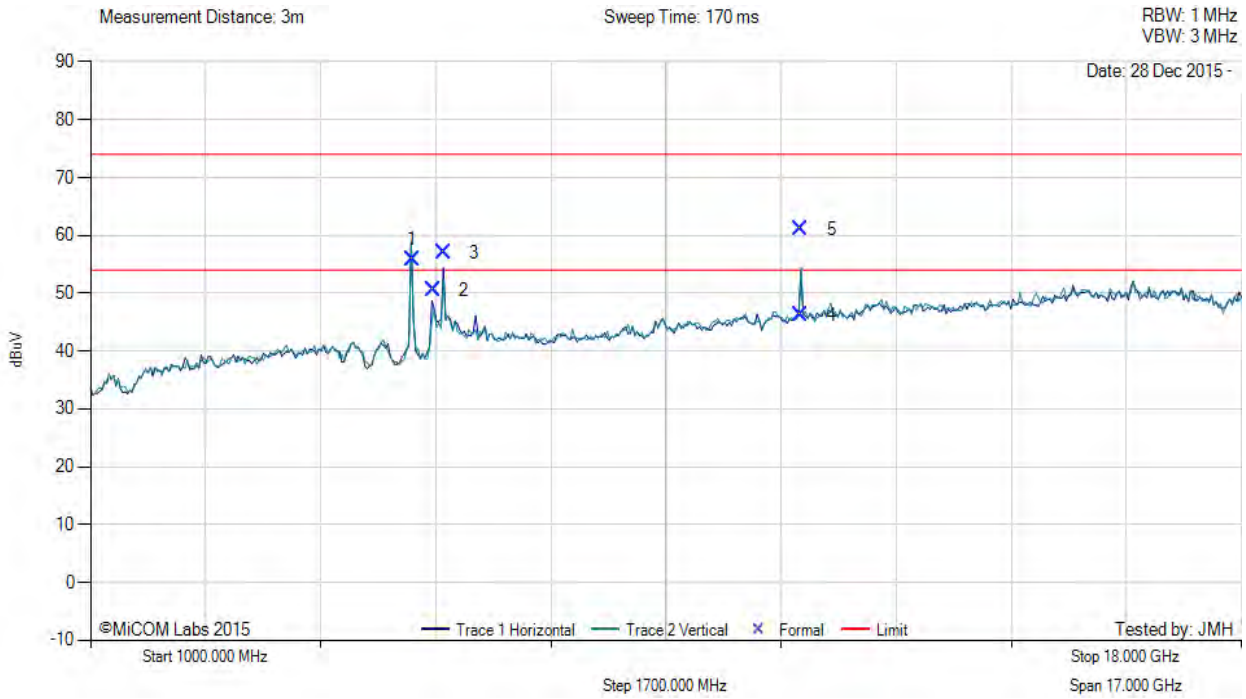
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5241.32	76.09	3.63	-11.36	68.36	Fundamental	Horizontal	100	0	--	--	
2	6986.65	57.56	4.13	-7.45	54.24	Peak (NRB)	Horizontal	151	23	--	--	Pass
3	10485.45	53.84	5.41	-4.42	54.83	Peak (NRB)	Horizontal	151	0	--	--	Pass
4	15722.32	44.69	6.11	0.17	50.97	Max Avg	Vertical	146	316	54.0	-3.0	Pass
5	15722.32	58.50	6.11	0.17	64.78	Max Peak	Vertical	146	316	74.0	-9.2	Pass

Test Notes: EUT on 150cm Table, powered by PDsine 9001GR

back to matrix

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 23



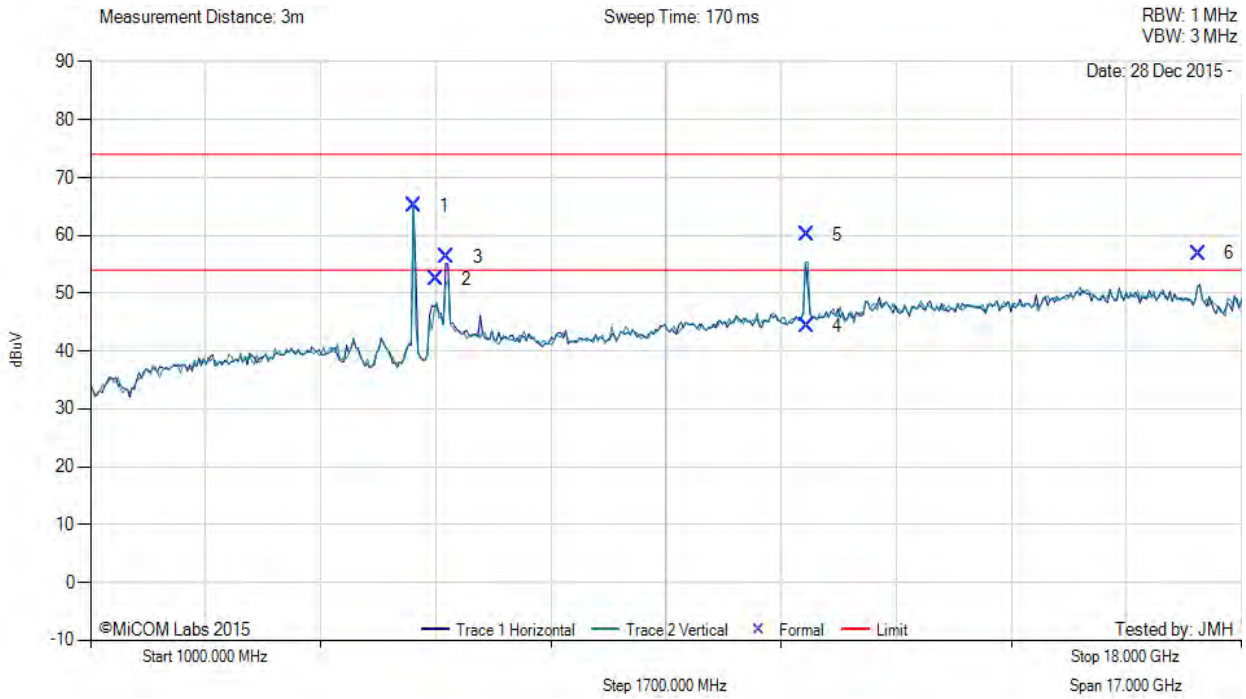
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5752.74	62.56	3.84	-10.61	55.79	Fundamental	Horizontal	148	30	--	--	
2	6063.88	56.20	3.89	-9.62	50.47	Peak (NRB)	Horizontal	151	30	--	--	Pass
3	6222.00	61.85	3.92	-8.76	57.01	Peak (NRB)	Horizontal	151	30	--	--	Pass
4	11495.68	45.64	5.45	-4.82	46.27	Max Avg	Horizontal	163	306	54.0	-7.7	Pass
5	11495.68	60.50	5.45	-4.82	61.13	Max Peak	Horizontal	163	306	74.0	-12.9	Pass

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

back to matrix

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5785.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 23



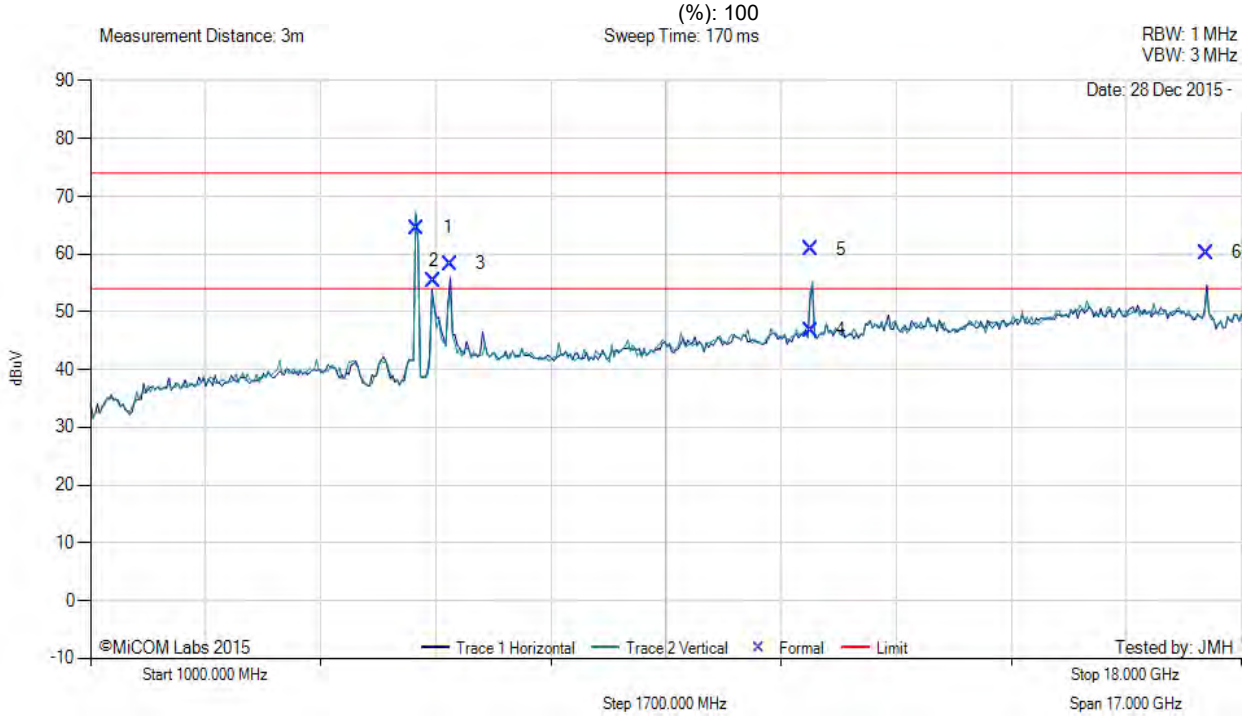
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5783.13	71.81	3.80	-10.46	65.15	Fundamental	Horizontal	151	38	--	--	
2	6103.69	58.07	3.87	-9.48	52.46	Peak (NRB)	Horizontal	151	0	--	--	Pass
3	6266.93	60.82	3.93	-8.52	56.23	Peak (NRB)	Horizontal	151	38	--	--	Pass
4	11580.28	43.56	5.41	-4.60	44.37	Max Avg	Vertical	170	356	54.0	-9.6	Pass
5	11580.28	59.30	5.41	-4.60	60.11	Max Peak	Vertical	170	356	74.0	-13.9	Pass
6	17365.45	50.58	6.37	-0.06	56.89	Peak (NRB)	Horizontal	151	0	--	--	Pass

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

back to matrix

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 23, 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	5823.01	70.94	3.83	-10.25	64.52	Fundamental	Horizontal	151	28	--	--	
2	6063.24	61.01	3.89	-9.62	55.28	Peak (NRB)	Horizontal	151	28	--	--	Pass
3	6308.10	62.77	3.92	-8.39	58.30	Peak (NRB)	Horizontal	151	28	--	--	Pass
4	11641.93	45.83	5.48	-4.47	46.84	Max Avg	Vertical	139	321	54.0	-7.2	Pass
5	11641.93	59.87	5.48	-4.47	60.88	Max Peak	Vertical	139	321	74.0	-13.1	Pass
6	17481.65	54.51	6.38	-0.62	60.27	Peak (NRB)	Horizontal	151	0	--	--	Pass

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

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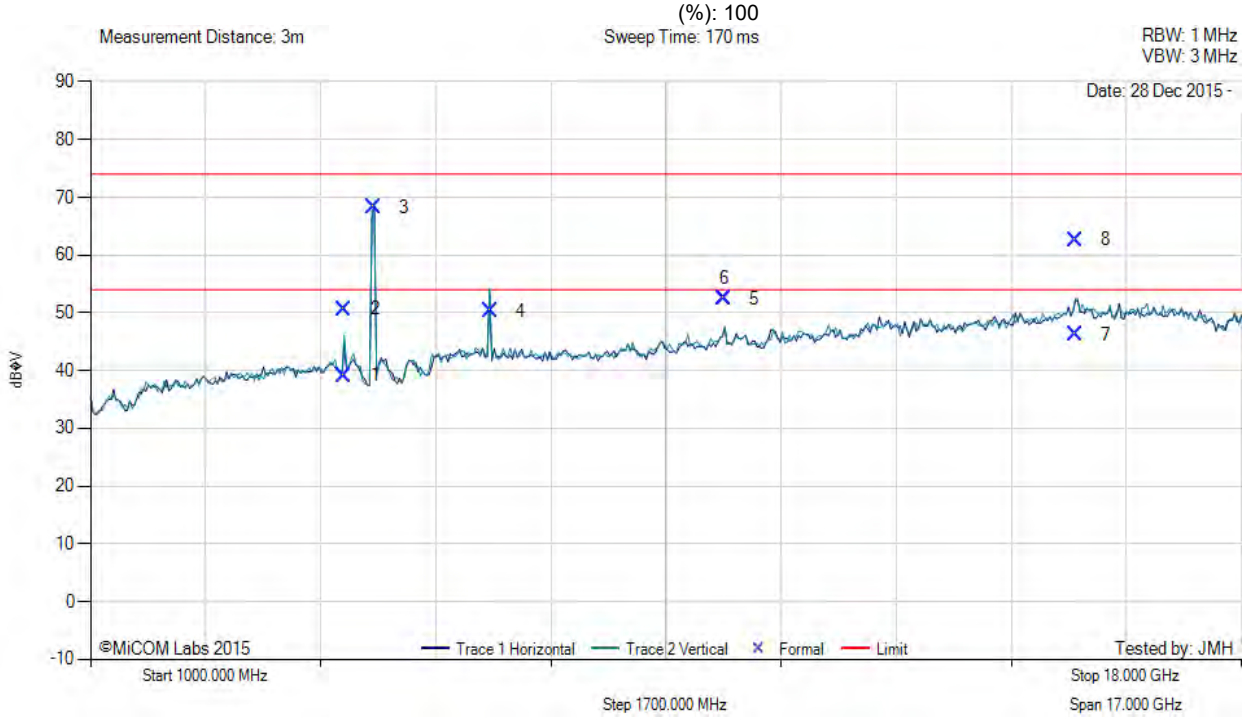
A.3.4 Antenna AP-ANT-18

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5180.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 17.25, Duty Cycle (%): 100



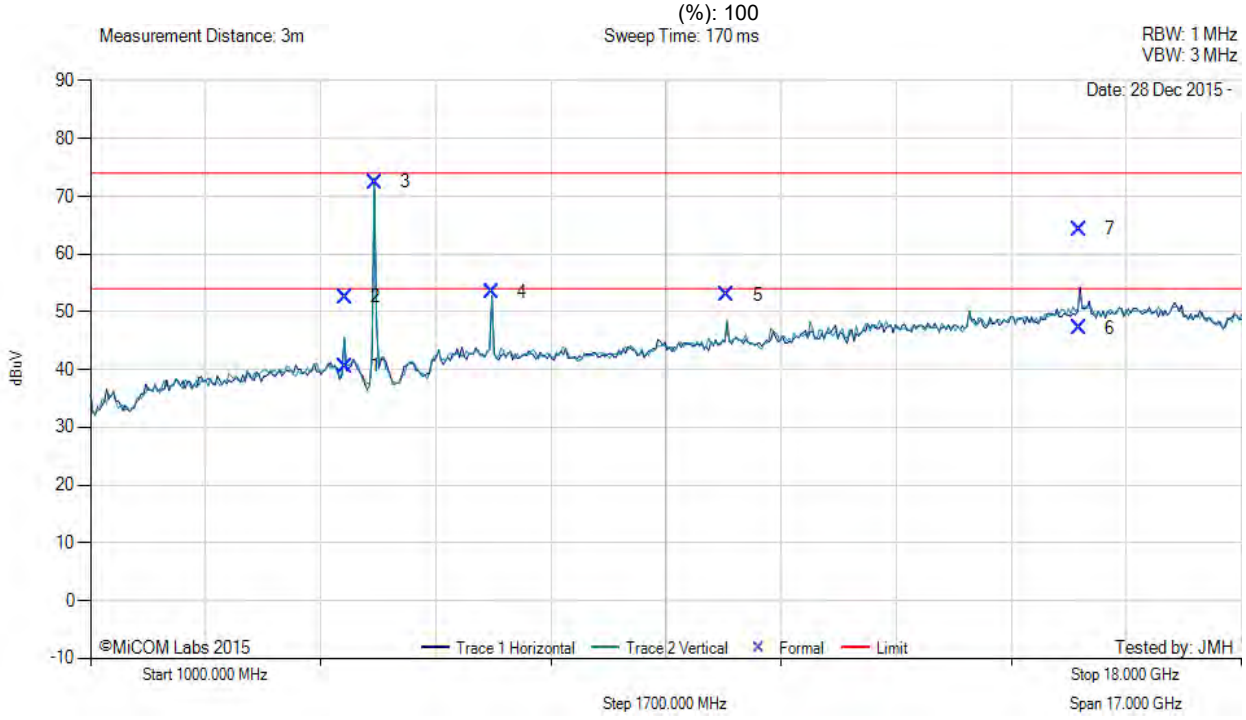
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	4752.26	46.67	3.56	-11.11	39.12	Max Avg	Vertical	143	18	54.0	-14.9	Pass
2	4752.26	58.23	3.56	-11.11	50.68	Max Peak	Vertical	143	18	74.0	-23.3	Pass
3	5184.49	76.09	3.68	-11.49	68.28	Fundamental	Vertical	151	1	--	--	
4	6906.66	53.64	4.11	-7.54	50.21	Peak (NRB)	Vertical	148	360	--	--	Pass
5	10359.77	52.09	5.57	-5.27	52.39	Peak (NRB)	Vertical	151	0	--	--	Pass
6	10359.77	52.09	5.57	-5.27	52.39	Peak (NRB)	Vertical	151	0	--	--	Pass
7	15543.04	40.80	5.97	-0.56	46.21	Max Avg	Vertical	125	187	54.0	-7.8	Pass
8	15543.04	57.25	5.97	-0.56	62.66	Max Peak	Vertical	125	187	74.0	-11.3	Pass

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

back to matrix

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5200.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 23, Duty Cycle (%): 100



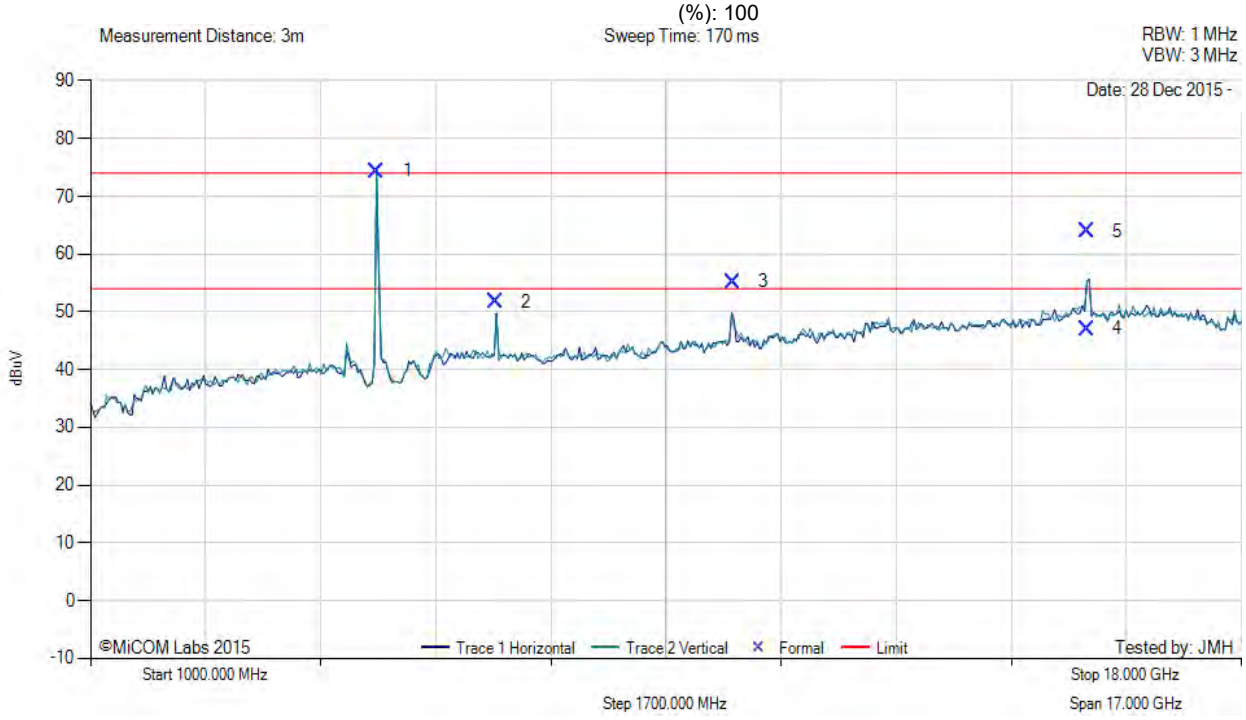
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	4759.80	48.14	3.57	-11.11	40.60	Max Avg	Vertical	151	17	54.0	-13.4	Pass
2	4759.80	60.06	3.57	-11.11	52.52	Max Peak	Vertical	151	17	74.0	-21.5	Pass
3	5196.99	80.24	3.66	-11.47	72.43	Fundamental	Vertical	151	13	--	--	
4	6933.35	56.72	4.11	-7.49	53.34	Peak (NRB)	Horizontal	151	25	--	--	Pass
5	10401.41	52.54	5.41	-5.03	52.92	Peak (NRB)	Vertical	151	0	--	--	Pass
6	15603.21	41.38	6.03	-0.22	47.19	Max Avg	Horizontal	155	235	54.0	-6.8	Pass
7	15603.21	58.48	6.03	-0.22	64.29	Max Peak	Horizontal	155	235	74.0	-9.7	Pass

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

back to matrix

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5240.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 23, Duty Cycle (%): 100



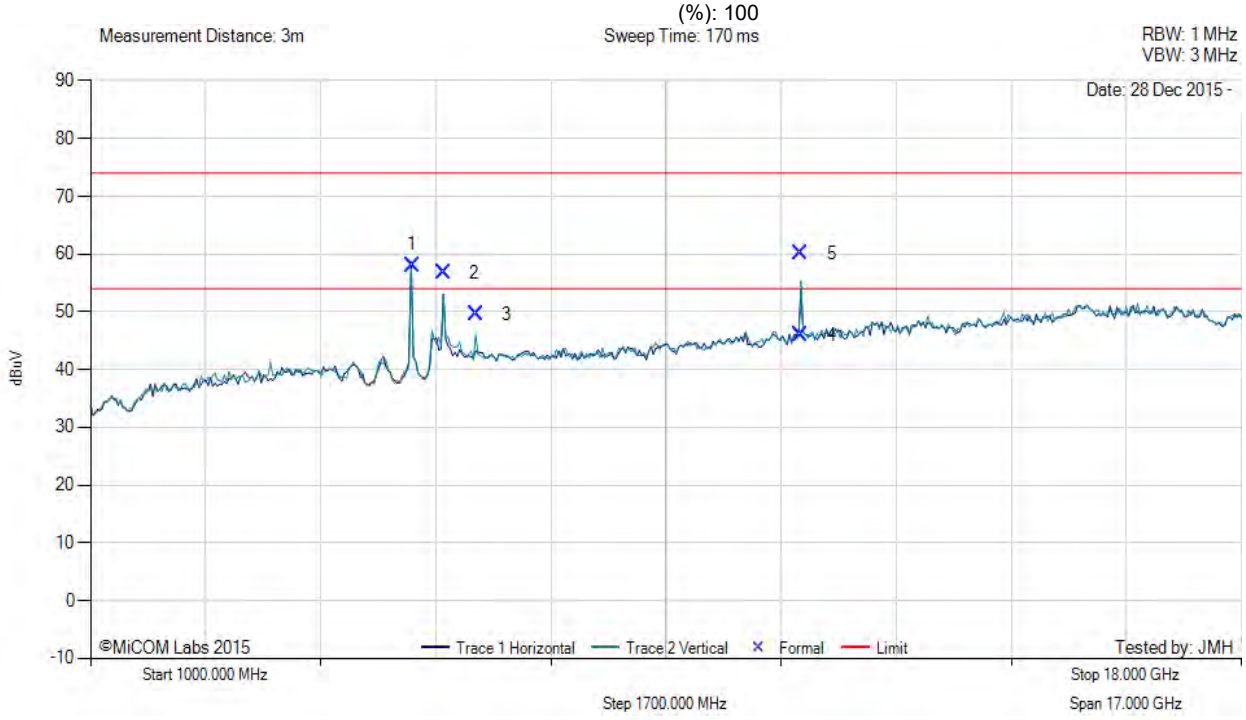
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5232.59	82.16	3.63	-11.39	74.40	Fundamental	Vertical	200	0	--	--	
2	6986.65	55.08	4.13	-7.45	51.76	Peak (NRB)	Horizontal	200	31	--	--	Pass
3	10486.57	54.15	5.43	-4.41	55.17	Peak (NRB)	Horizontal	200	0	--	--	Pass
4	15722.96	40.79	6.12	0.17	47.08	Max Avg	Horizontal	197	249	54.0	-6.9	Pass
5	15722.96	57.69	6.12	0.17	63.98	Max Peak	Horizontal	197	249	74.0	-10.0	Pass

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

back to matrix

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 23, 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	5750.78	64.90	3.84	-10.63	58.11	Fundamental	Horizontal	151	26	--	--	
2	6219.59	61.57	3.92	-8.78	56.71	Peak (NRB)	Horizontal	148	0	--	--	Pass
3	6702.56	53.54	4.04	-7.95	49.63	Peak (NRB)	Vertical	148	360	--	--	Pass
4	11492.79	45.44	5.44	-4.84	46.04	Max Avg	Vertical	140	339	54.0	-8.0	Pass
5	11492.79	59.48	5.44	-4.84	60.08	Max Peak	Vertical	140	339	74.0	-13.9	Pass

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

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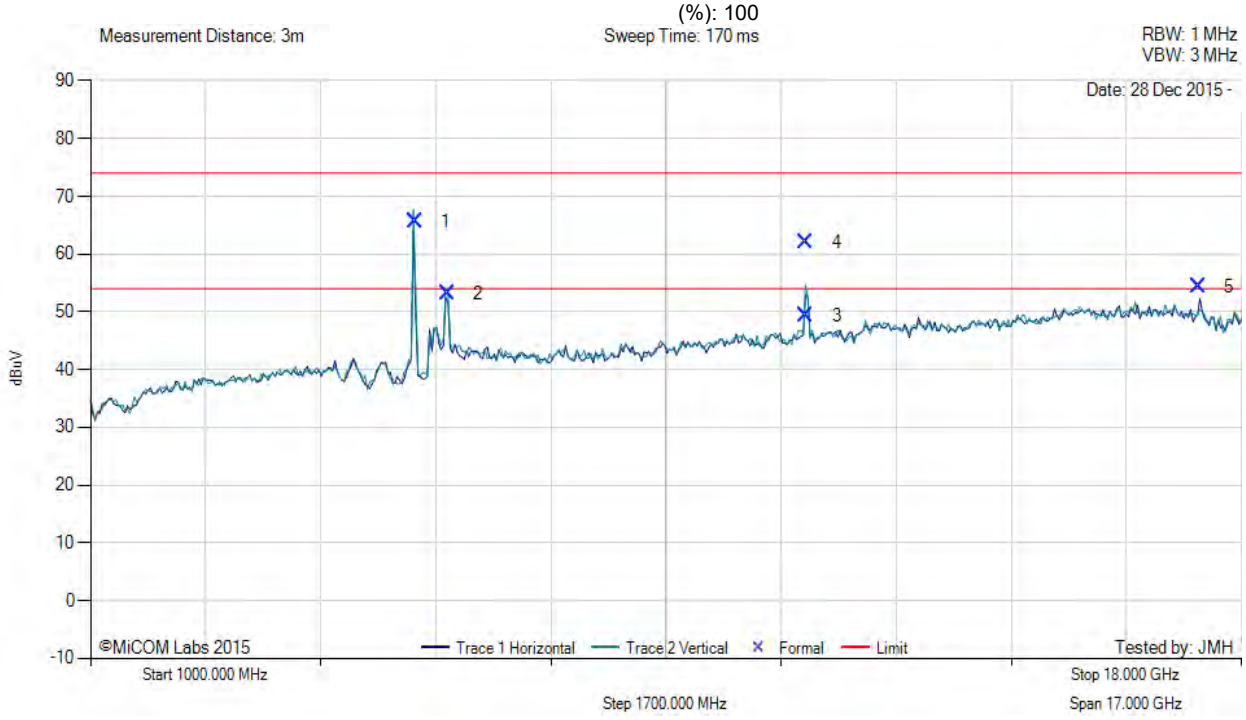
RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5785.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 23, 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	5789.30	72.21	3.79	-10.42	65.58	Fundamental	Vertical	151	1	--	--	
2	6267.17	57.74	3.93	-8.52	53.15	Peak (NRB)	Vertical	151	1	--	--	Pass
3	11570.82	48.58	5.44	-4.64	49.38	Max Avg	Vertical	192	357	54.0	-4.6	Pass
4	11570.82	61.26	5.44	-4.64	62.06	Max Peak	Vertical	192	357	74.0	-11.9	Pass
5	17359.03	48.12	6.28	-0.04	54.36	Peak (NRB)	Horizontal	151	0	--	--	Pass

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

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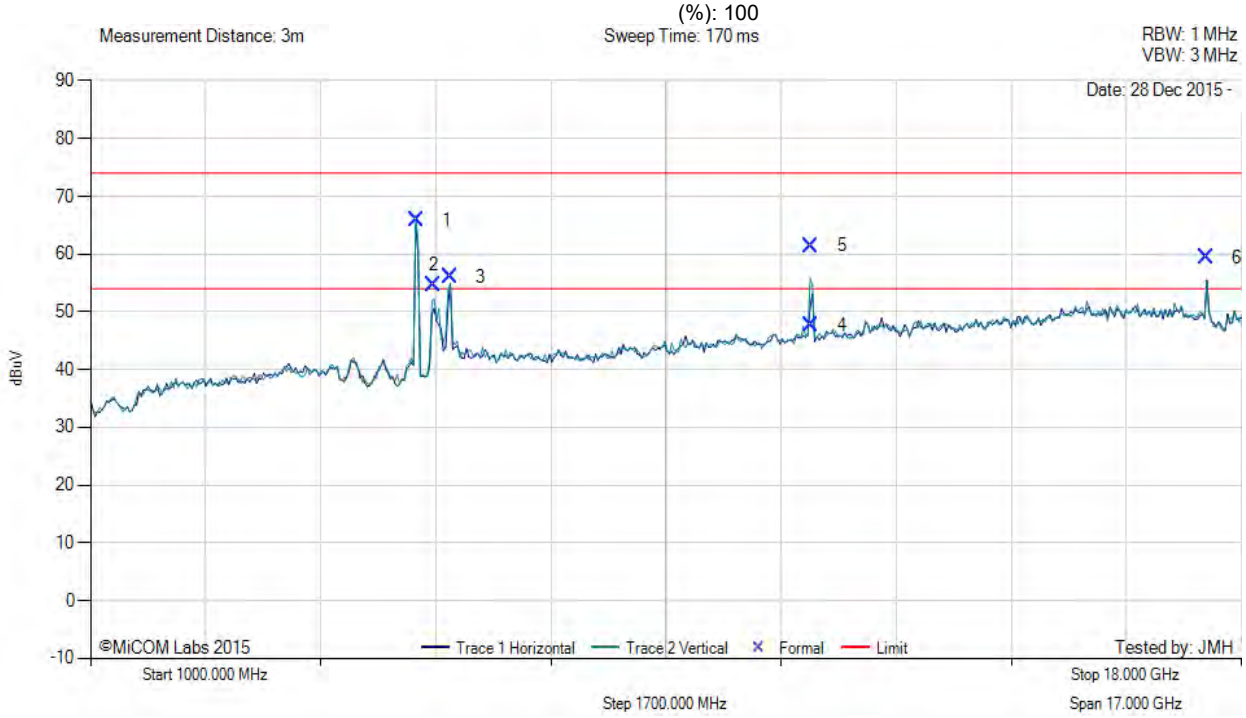
RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 23, 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	5819.44	72.27	3.82	-10.28	65.81	Fundamental	Vertical	151	1	--	--	
2	6069.22	60.30	3.88	-9.60	54.58	Peak (NRB)	Vertical	151	1	--	--	Pass
3	6310.50	60.47	3.91	-8.37	56.01	Peak (NRB)	Horizontal	151	1	--	--	Pass
4	11649.02	46.71	5.44	-4.47	47.68	Max Avg	Vertical	197	1	54.0	-6.3	Pass
5	11649.02	60.49	5.44	-4.47	61.46	Max Peak	Vertical	197	1	74.0	-12.5	Pass
6	17479.00	53.63	6.33	-0.60	59.36	Peak (NRB)	Horizontal	151	1	--	--	Pass

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

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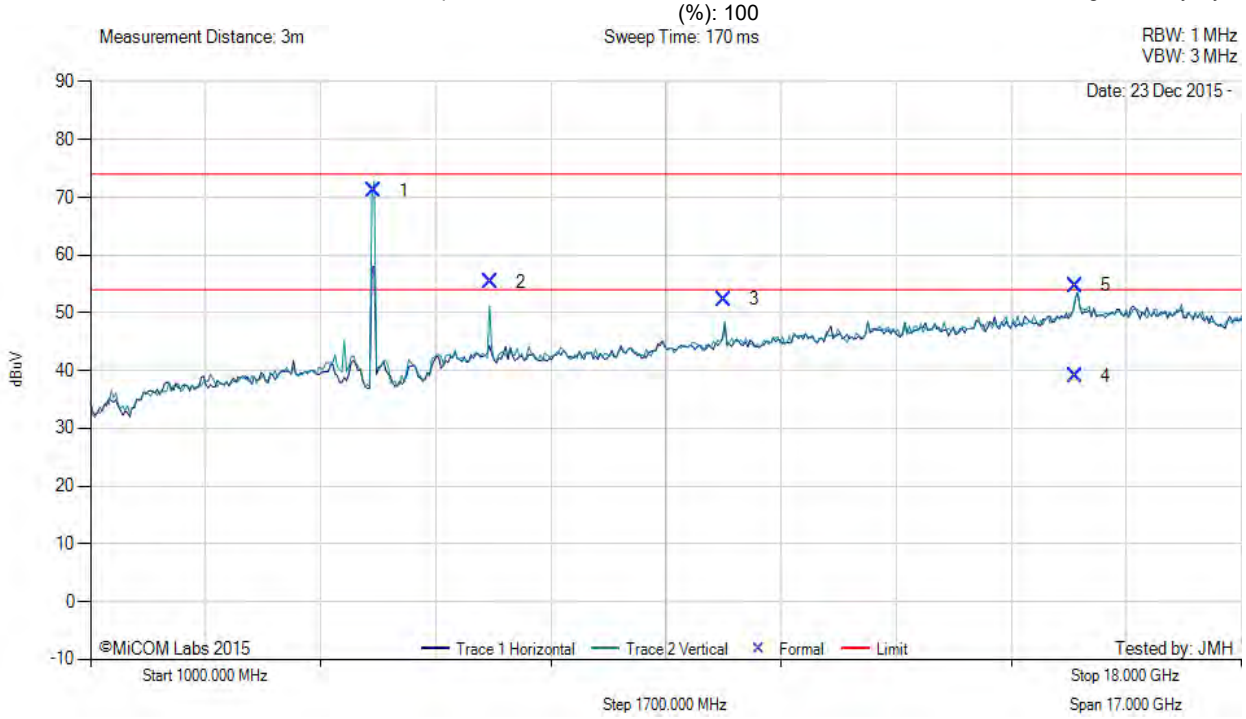
A.3.5 Antenna AP-ANT-19

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5180.00 MHz, Antenna: Aruba Networks AP-ANT-19, Power Setting: 23, 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	5183.53	78.89	3.68	-11.49	71.08	Fundamental	Vertical	151	1	--	--	
2	6906.64	58.79	4.11	-7.54	55.36	Peak (NRB)	Vertical	151	1	--	--	Pass
3	10362.05	52.00	5.58	-5.26	52.32	Peak (NRB)	Vertical	151	1	--	--	Pass
4	15543.48	33.68	5.97	-0.56	39.09	Max Avg	Horizontal	168	277	54.0	-14.9	Pass
5	15543.48	49.34	5.97	-0.56	54.75	Max Peak	Horizontal	168	277	74.0	-19.3	Pass

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

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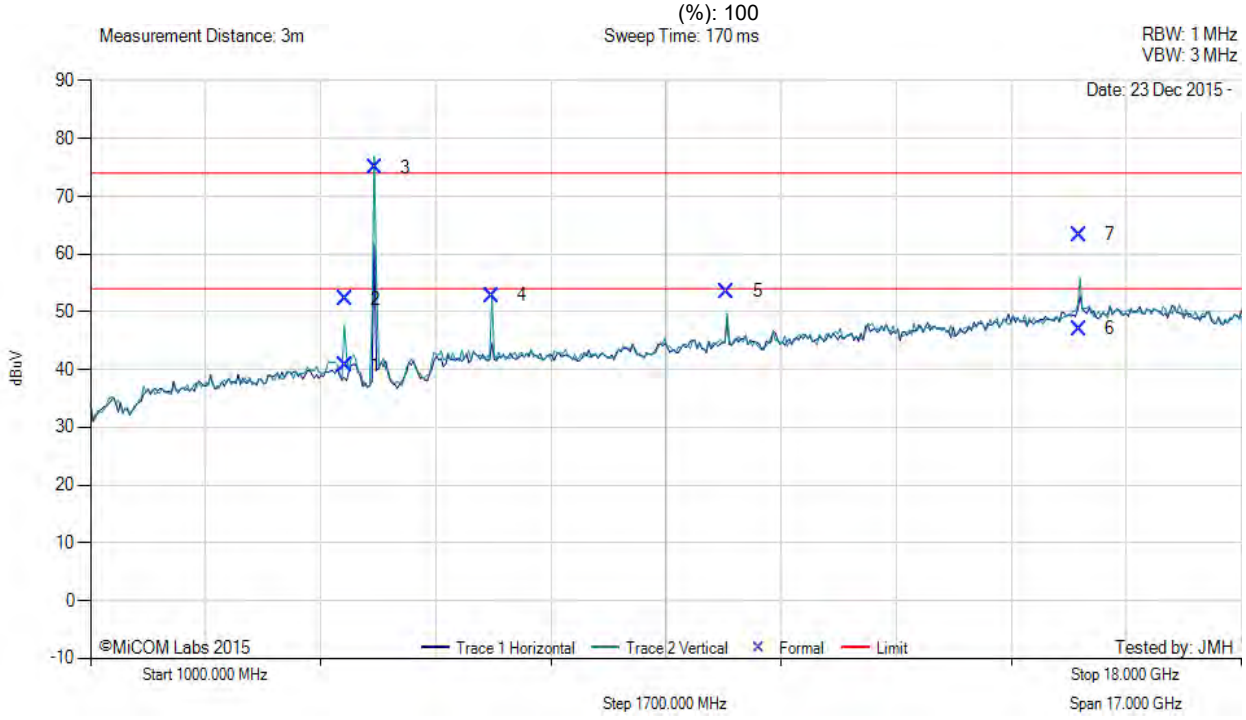
RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5200.00 MHz, Antenna: Aruba Networks AP-ANT-19, Power Setting: 23, Duty Cycle (%): 100



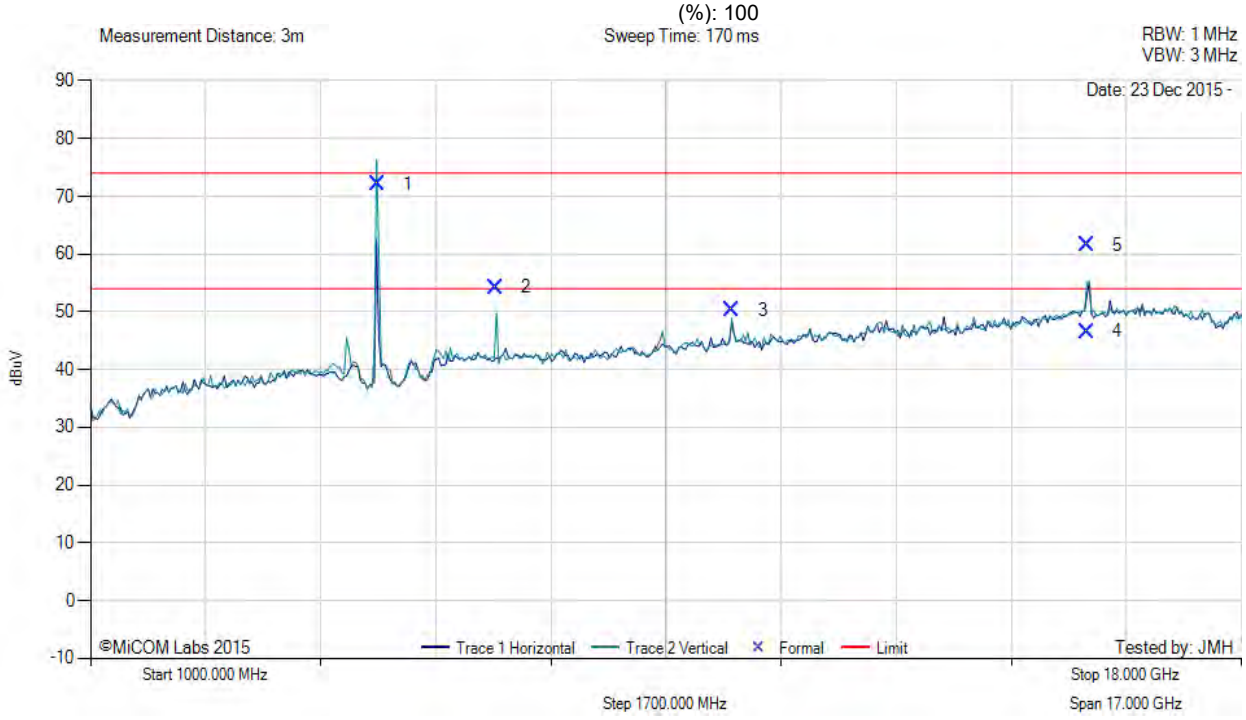
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	4764.93	48.22	3.59	-11.11	40.70	Max Avg	Vertical	169	347	54.0	-13.3	Pass
2	4764.93	59.67	3.59	-11.11	52.15	Max Peak	Vertical	169	347	74.0	-21.9	Pass
3	5202.68	82.81	3.65	-11.45	75.01	Fundamental	Vertical	151	1	--	--	
4	6933.43	56.20	4.11	-7.49	52.82	Peak (NRB)	Vertical	151	49	--	--	Pass
5	10403.25	53.15	5.42	-5.02	53.55	Peak (NRB)	Vertical	151	49	--	--	Pass
6	15603.41	41.20	6.03	-0.22	47.01	Max Avg	Vertical	154	315	54.0	-7.0	Pass
7	15603.41	57.55	6.03	-0.22	63.36	Max Peak	Vertical	154	315	74.0	-10.6	Pass

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

back to matrix

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5240.00 MHz, Antenna: Aruba Networks AP-ANT-19, Power Setting: 23, 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	5238.04	79.76	3.63	-11.37	72.02	Fundamental	Vertical	151	1	--	--	
2	6986.73	57.58	4.13	-7.45	54.26	Peak (NRB)	Vertical	151	14	--	--	Pass
3	10480.12	49.36	5.42	-4.46	50.32	Peak (NRB)	Vertical	151	0	--	--	Pass
4	15722.56	40.32	6.12	0.17	46.61	Max Avg	Vertical	187	111	54.0	-7.4	Pass
5	15722.56	55.25	6.12	0.17	61.54	Max Peak	Vertical	187	111	74.0	-12.5	Pass

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

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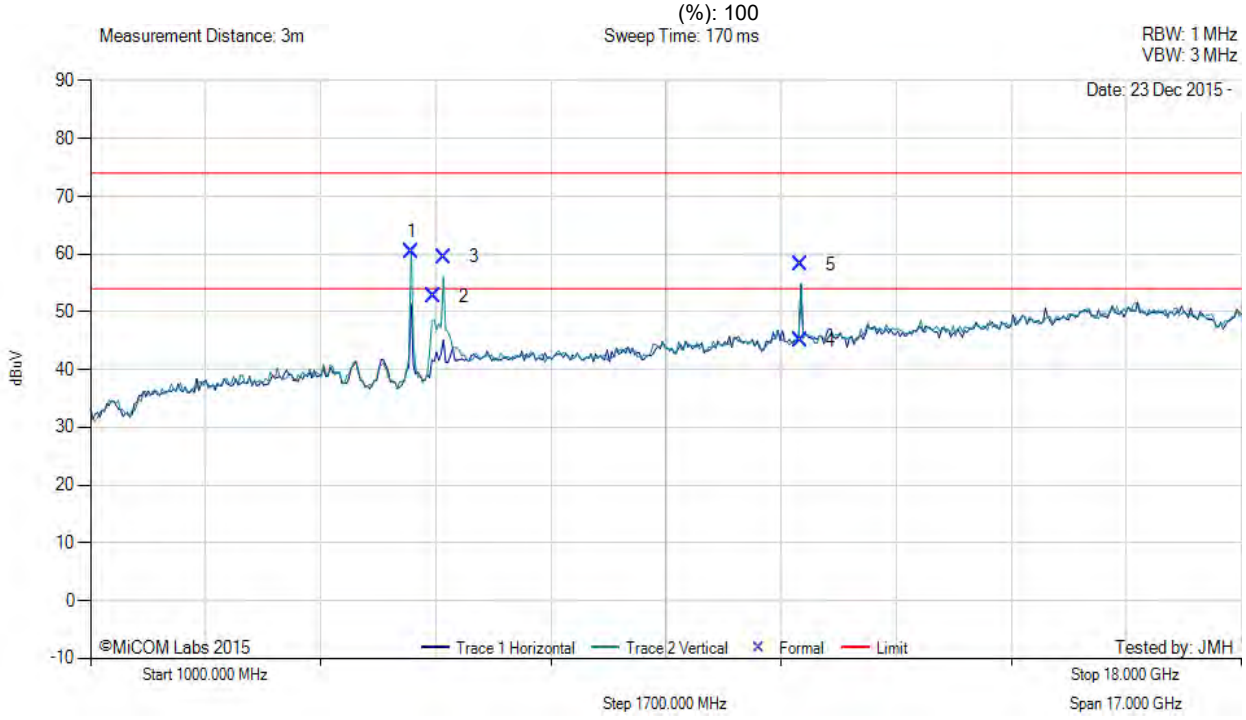
RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-19, Power Setting: 23, Duty Cycle (%): 100



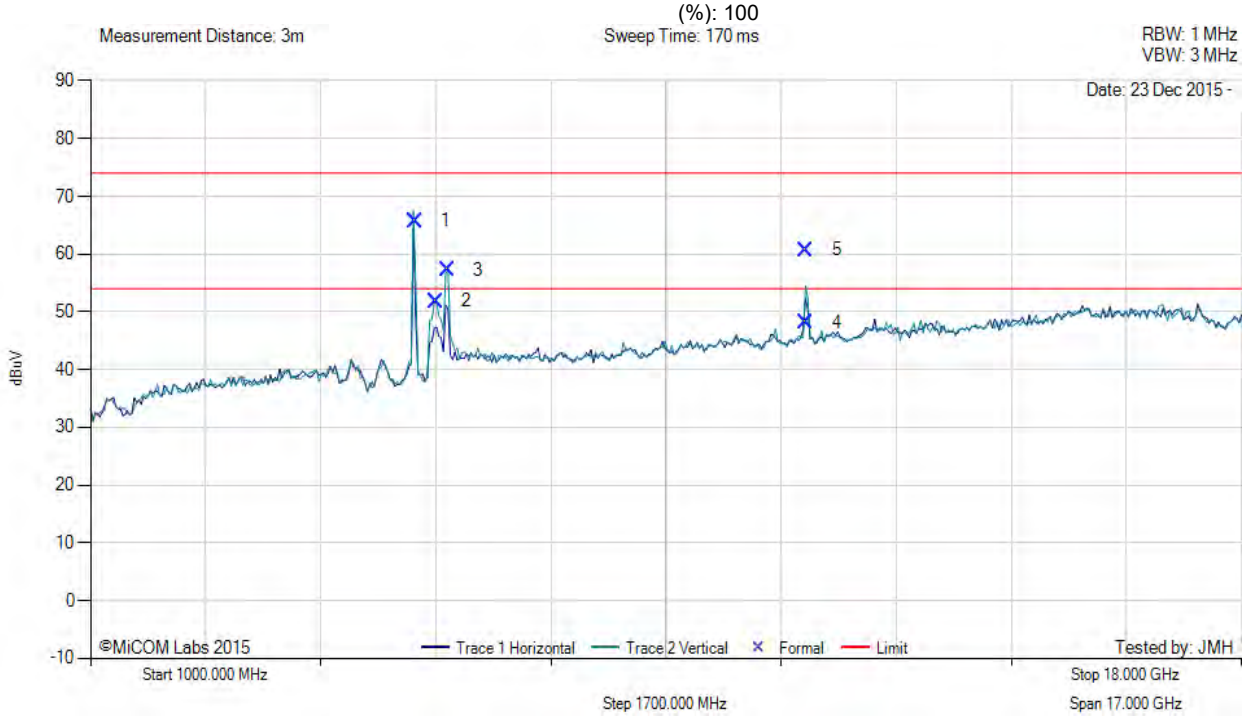
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5739.52	67.22	3.83	-10.67	60.38	Fundamental	Vertical	151	1	--	--	
2	6069.38	58.43	3.88	-9.60	52.71	Peak (NRB)	Vertical	151	1	--	--	Pass
3	6219.27	64.35	3.92	-8.78	59.49	Peak (NRB)	Vertical	151	1	--	--	Pass
4	11491.59	44.43	5.44	-4.84	45.03	Max Avg	Horizontal	156	13	54.0	-9.0	Pass
5	11491.59	57.62	5.44	-4.84	58.22	Max Peak	Horizontal	156	13	74.0	-15.8	Pass

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

back to matrix

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5785.00 MHz, Antenna: Aruba Networks AP-ANT-19, Power Setting: 23, Duty Cycle (%): 100



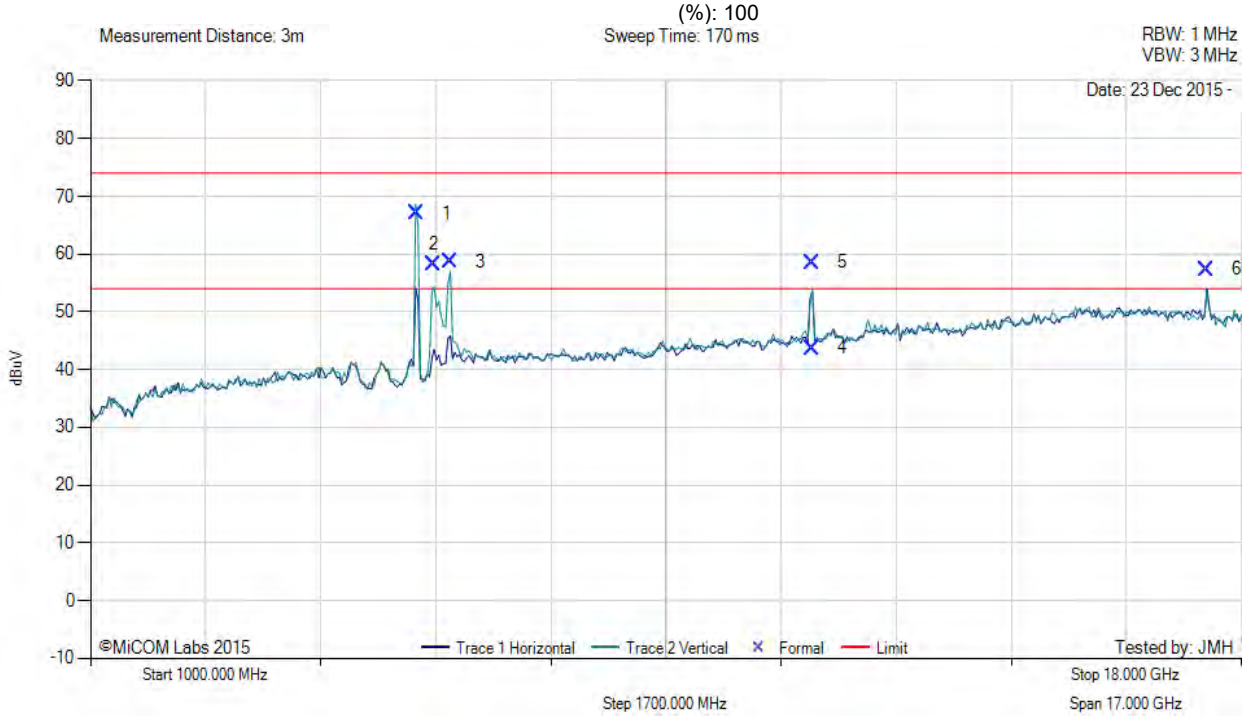
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5789.22	72.36	3.79	-10.42	65.73	Fundamental	Vertical	101	1	--	--	
2	6099.52	57.46	3.88	-9.51	51.83	Peak (NRB)	Vertical	151	1	--	--	Pass
3	6272.98	61.74	3.92	-8.50	57.16	Peak (NRB)	Vertical	151	1	--	--	Pass
4	11571.90	47.27	5.42	-4.63	48.06	Max Avg	Vertical	110	322	54.0	-5.9	Pass
5	11571.90	59.89	5.42	-4.63	60.68	Max Peak	Vertical	110	322	74.0	-13.3	Pass

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

back to matrix

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-19, Power Setting: 23, 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	5819.36	73.50	3.82	-10.28	67.04	Fundamental	Vertical	101	1	--	--	
2	6070.18	63.98	3.88	-9.60	58.26	Peak (NRB)	Vertical	151	1	--	--	Pass
3	6310.10	63.10	3.91	-8.37	58.64	Peak (NRB)	Vertical	151	1	--	--	Pass
4	11652.59	42.70	5.49	-4.46	43.73	Max Avg	Vertical	114	324	54.0	-10.3	Pass
5	11652.59	57.53	5.49	-4.46	58.56	Max Peak	Vertical	114	324	74.0	-15.4	Pass
6	17478.28	51.64	6.31	-0.60	57.35	Peak (NRB)	Vertical	151	1	--	--	Pass

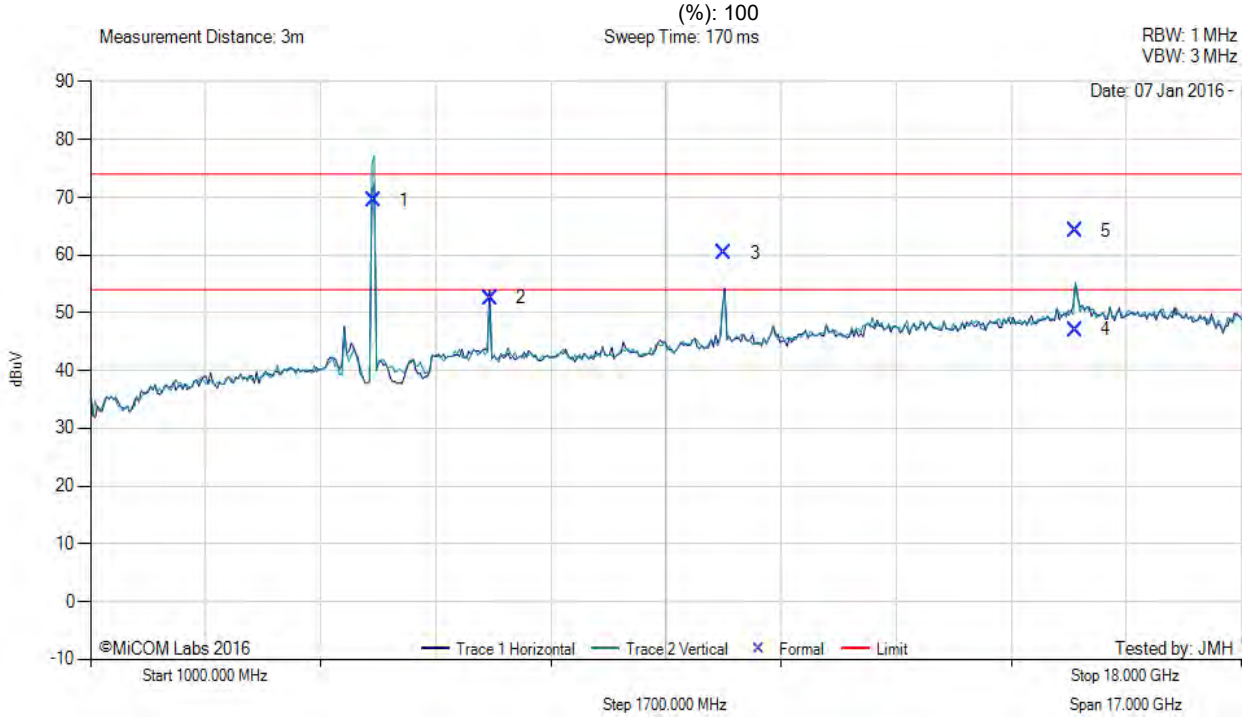
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

A.3.6 Antenna Integral (APIN0225)

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5180.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 23, Duty Cycle (%): 100



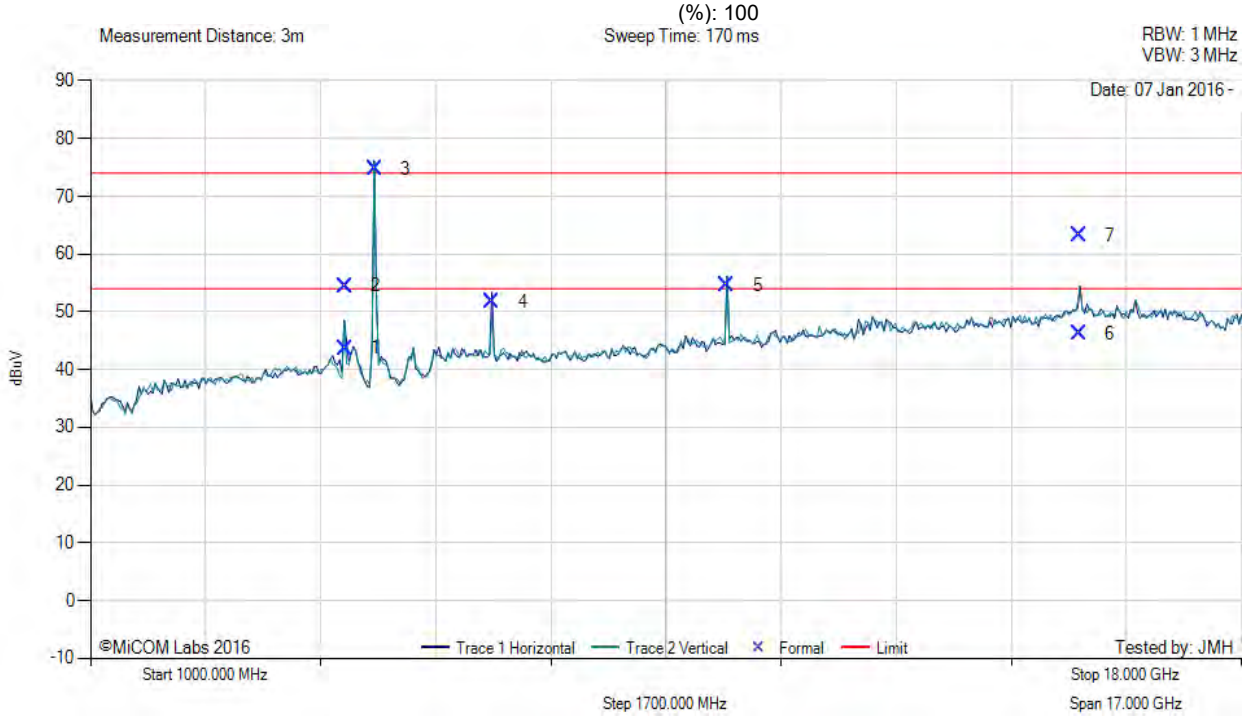
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5187.37	77.32	3.68	-11.49	69.51	Fundamental	Vertical	101	64	--	--	
2	6906.61	55.96	4.11	-7.54	52.53	Peak (NRB)	Horizontal	151	64	--	--	Pass
3	10362.53	60.04	5.58	-5.25	60.37	Peak (NRB)	Horizontal	151	64	--	--	Pass
4	15543.04	41.68	5.97	-0.56	47.09	Max Avg	Horizontal	191	202	54.0	-6.9	Pass
5	15543.04	58.72	5.97	-0.56	64.13	Max Peak	Horizontal	191	202	74.0	-9.9	Pass

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

back to matrix

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5200.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 23, Duty Cycle (%): 100



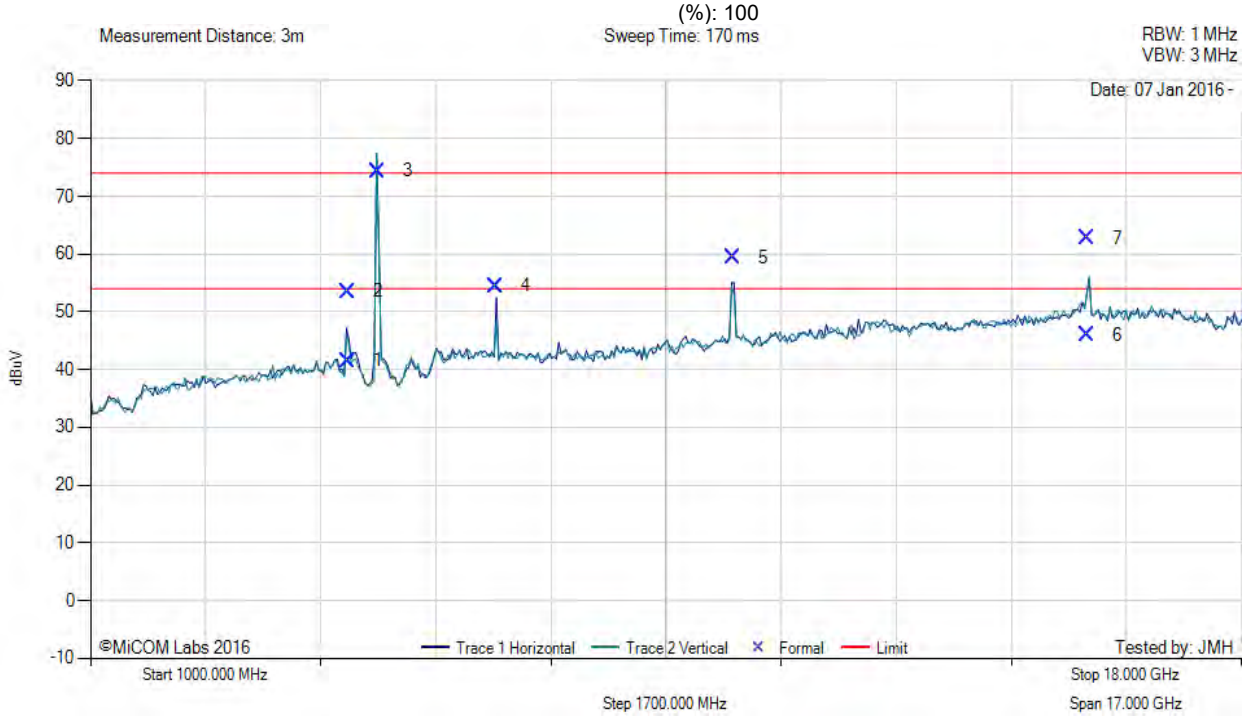
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	4768.09	51.18	3.61	-11.12	43.67	Max Avg	Horizontal	157	76	54.0	-10.3	Pass
2	4768.09	62.00	3.61	-11.12	54.49	Max Peak	Horizontal	157	76	74.0	-19.5	Pass
3	5198.60	82.52	3.66	-11.47	74.71	Fundamental	Horizontal	151	119	--	--	
4	6933.51	55.16	4.11	-7.49	51.78	Peak (NRB)	Horizontal	151	119	--	--	Pass
5	10402.53	54.25	5.42	-5.02	54.65	Peak (NRB)	Horizontal	151	119	--	--	Pass
6	15603.29	40.37	6.03	-0.22	46.18	Max Avg	Horizontal	169	239	54.0	-7.8	Pass
7	15603.29	57.41	6.03	-0.22	63.22	Max Peak	Horizontal	169	239	74.0	-10.8	Pass

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

back to matrix

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5240.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 23, Duty Cycle (%): 100



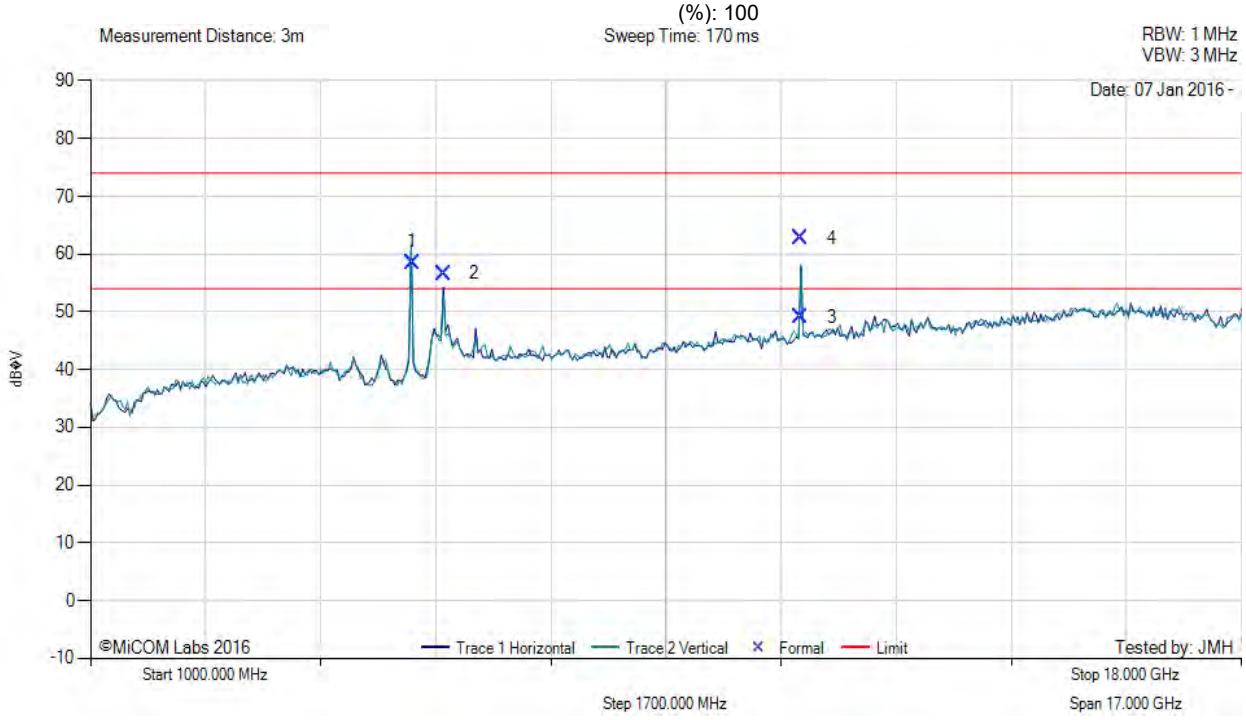
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	4796.43	49.11	3.53	-11.11	41.53	Max Avg	Horizontal	133	320	54.0	-12.5	Pass
2	4796.43	61.06	3.53	-11.11	53.48	Max Peak	Horizontal	133	320	74.0	-20.5	Pass
3	5240.84	82.10	3.63	-11.36	74.37	Fundamental	Horizontal	101	39	--	--	
4	6986.57	57.84	4.13	-7.45	54.52	Peak (NRB)	Horizontal	151	92	--	--	Pass
5	10482.60	58.42	5.40	-4.44	59.38	Peak (NRB)	Horizontal	151	92	--	--	Pass
6	15723.20	39.75	6.12	0.17	46.04	Max Avg	Horizontal	186	200	54.0	-8.0	Pass
7	15723.20	56.51	6.12	0.17	62.80	Max Peak	Horizontal	186	200	74.0	-11.2	Pass

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

back to matrix

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

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



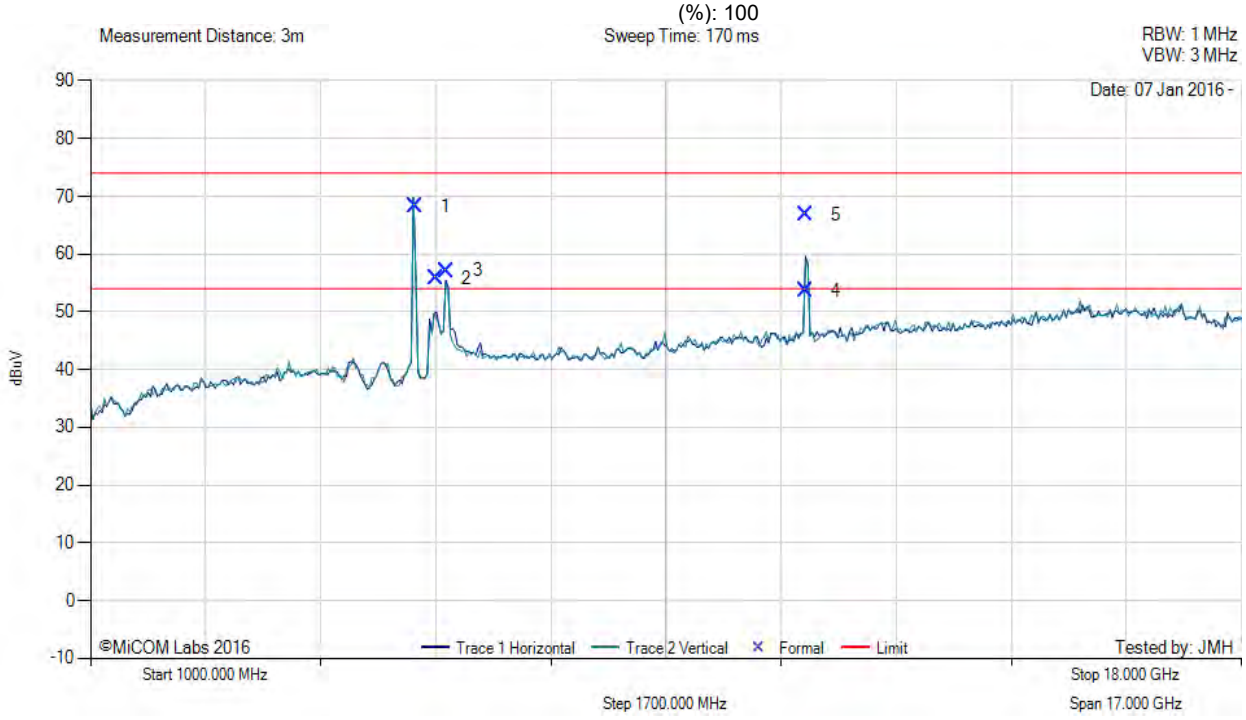
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5750.10	65.37	3.85	-10.63	58.59	Peak (NRB)	Horizontal	151	43	--	--	Pass
2	6223.92	61.50	3.92	-8.75	56.67	Peak (NRB)	Horizontal	151	43	--	--	Pass
3	11493.75	48.55	5.44	-4.84	49.15	Max Avg	Horizontal	157	98	54.0	-4.9	Pass
4	11493.75	62.07	5.44	-4.84	62.67	Max Peak	Horizontal	157	98	74.0	-11.3	Pass

Test Notes: EUT on 150cm table, powered by PDSine 9001GR POE. Power reduction to 21 failing harm with 23

back to matrix

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5785.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 23, Duty Cycle (%): 100



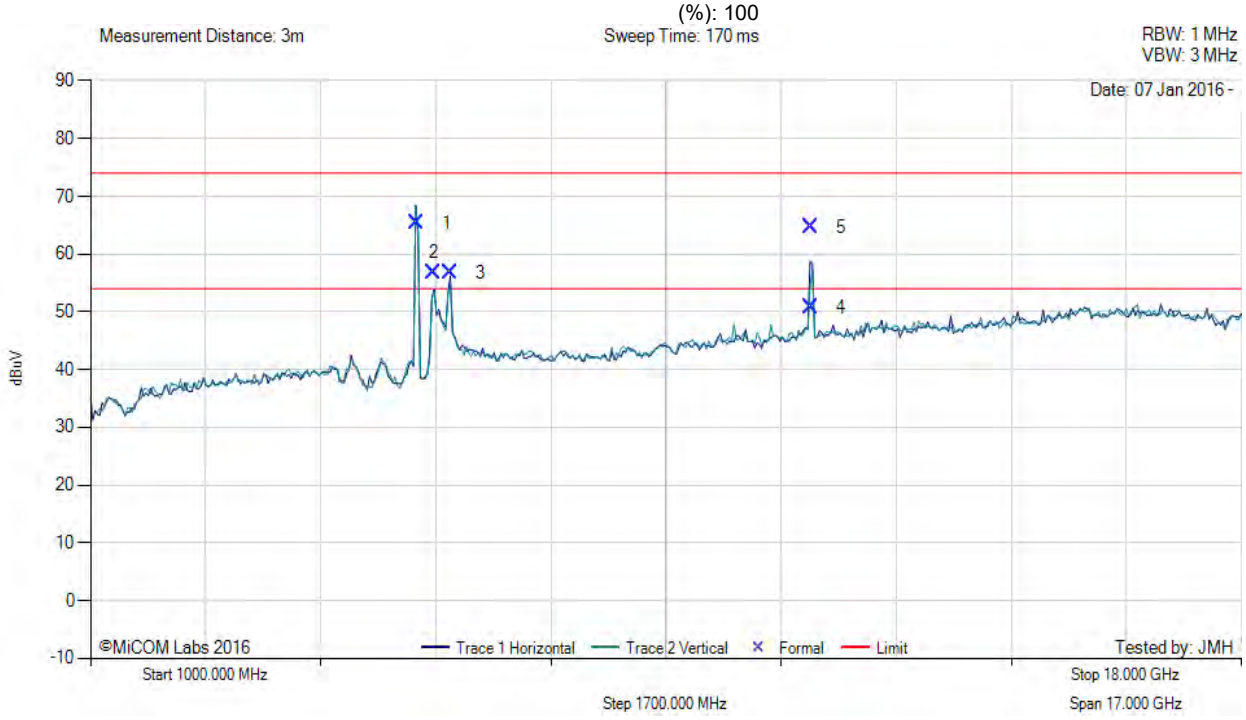
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5788.98	74.92	3.79	-10.42	68.29	Fundamental	Horizontal	151	77	--	--	
2	6100.08	61.42	3.88	-9.51	55.79	Peak (NRB)	Horizontal	148	77	--	--	Pass
3	6264.01	61.69	3.93	-8.53	57.09	Peak (NRB)	Horizontal	148	77	--	--	Pass
4	11569.18	52.75	5.48	-4.65	53.58	Max Avg	Horizontal	160	78	54.0	-0.4	Pass
5	11569.18	65.93	5.48	-4.65	66.76	Max Peak	Horizontal	160	78	74.0	-7.2	Pass

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

back to matrix

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 23, Duty Cycle (%): 100



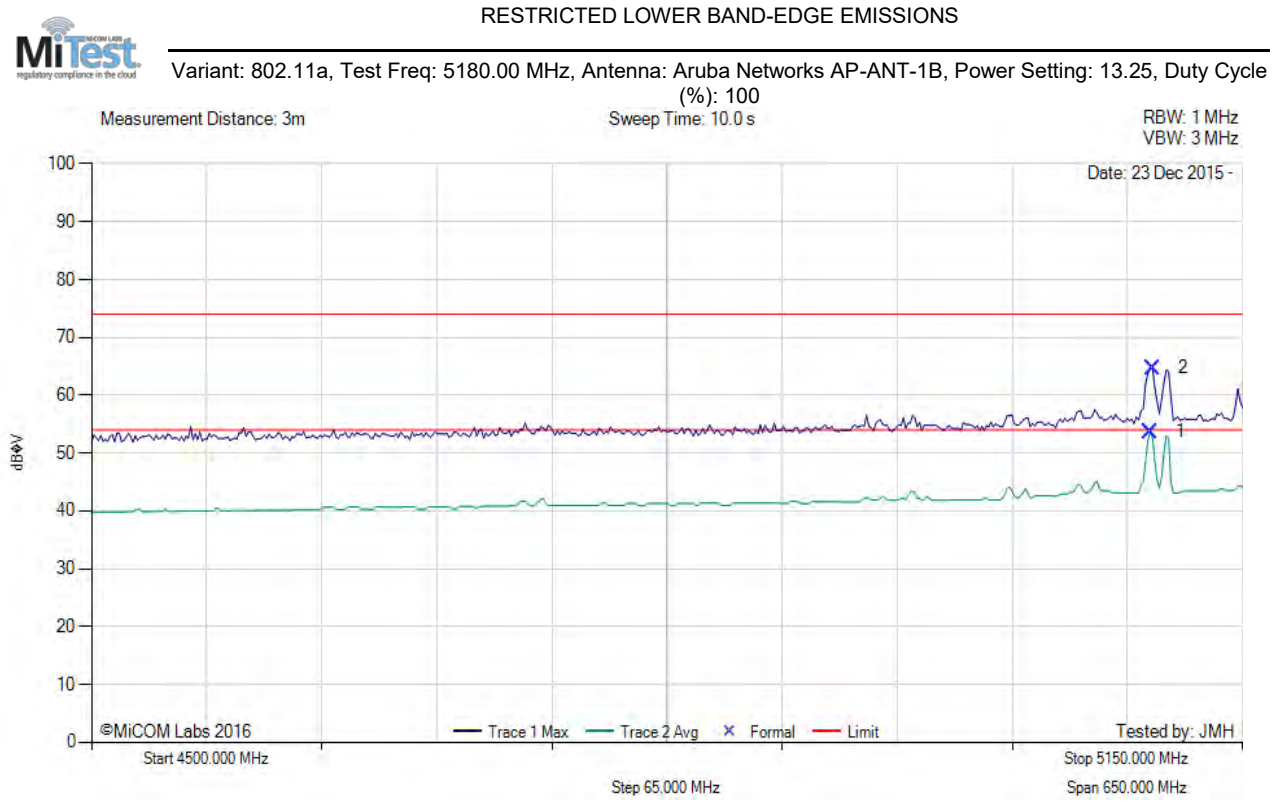
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5819.52	71.79	3.83	-10.26	65.36	Fundamental	Horizontal	151	25	--	--	
2	6065.53	62.56	3.88	-9.61	56.83	Peak (NRB)	Horizontal	151	39	--	--	Pass
3	6307.54	61.27	3.92	-8.39	56.80	Peak (NRB)	Horizontal	151	25	--	--	Pass
4	11644.93	49.81	5.46	-4.47	50.80	Max Avg	Horizontal	146	87	54.0	-3.2	Pass
5	11644.93	63.63	5.46	-4.47	64.62	Max Peak	Horizontal	146	87	74.0	-9.4	Pass

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

back to matrix

A.4. Restricted Band-Edge Emissions

A.4.1 Antenna AP-ANT-1B



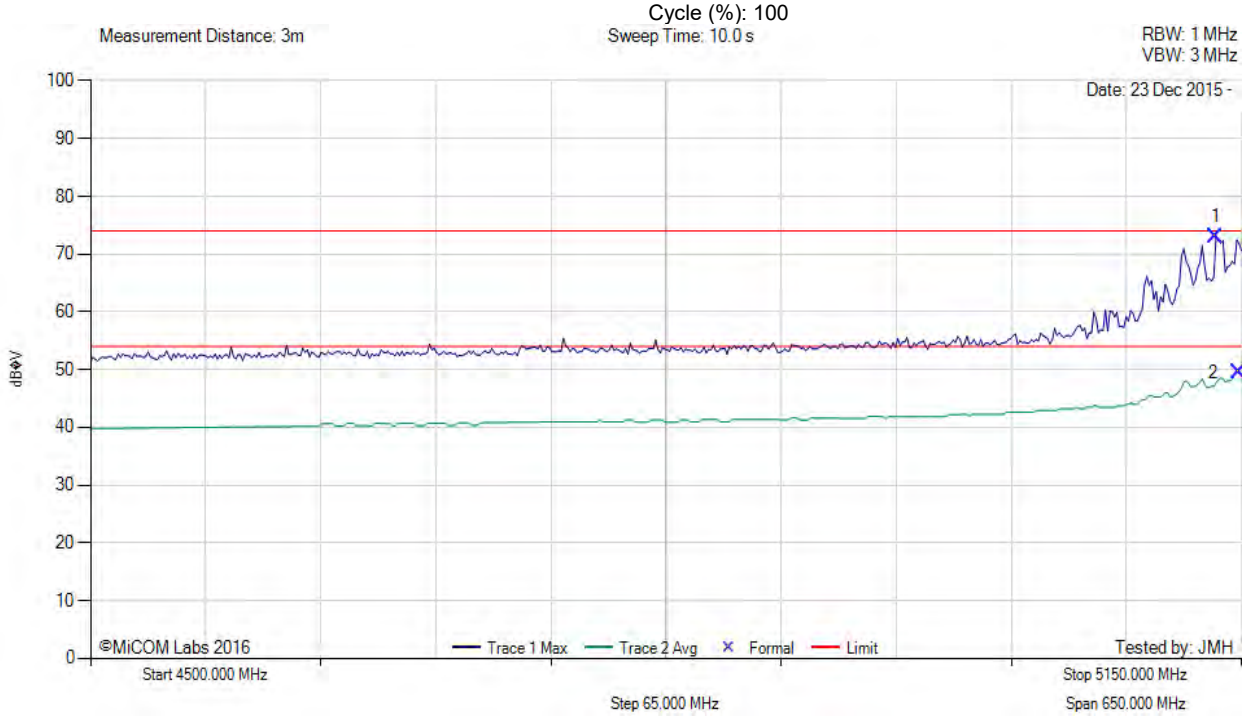
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5097.90	16.00	3.58	34.13	53.71	Max Avg	Vertical	165	359	54.0	-0.3	Pass
2	5099.20	27.00	3.58	34.13	64.71	Max Peak	Vertical	165	359	74.0	-9.3	Pass

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

back to matrix

RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5210.00 MHz, Antenna: Aruba Networks AP-ANT-1B, Power Setting: 16.5, Duty Cycle (%): 100



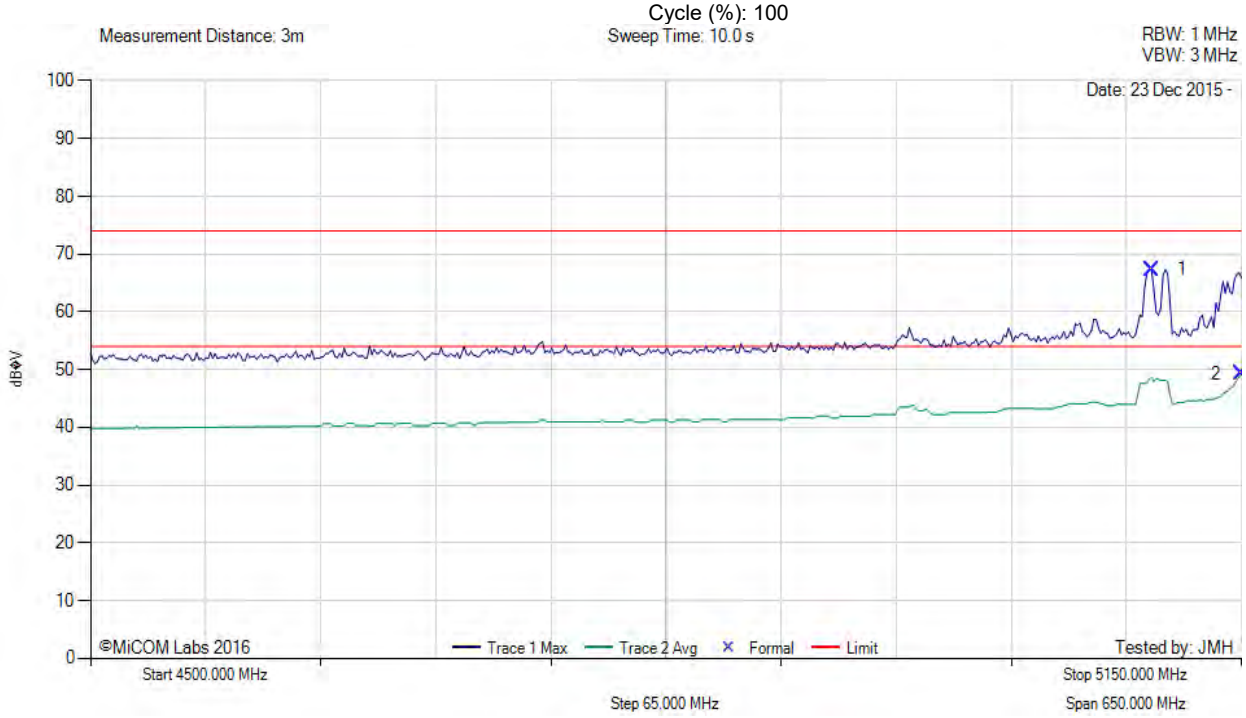
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5135.67	35.13	3.69	34.12	72.94	Max Peak	Vertical	165	359	74.0	-1.1	Pass
2	5148.70	11.75	3.67	34.11	49.53	Max Avg	Vertical	165	359	54.0	-4.5	Pass

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

back to matrix

RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5180.00 MHz, Antenna: Aruba Networks AP-ANT-1B, Power Setting: 19, Duty Cycle (%): 100



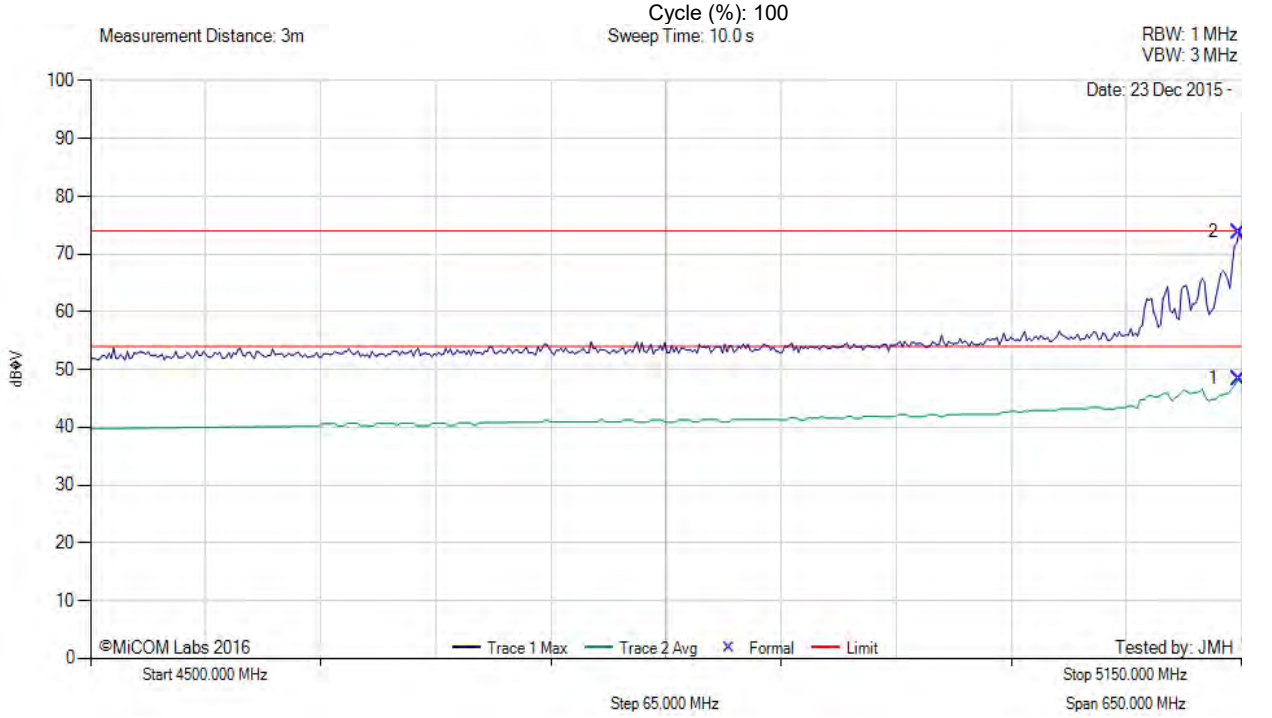
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5099.20	29.65	3.58	34.13	67.36	Max Peak	Vertical	165	359	74.0	-6.6	Pass
2	5150.00	11.45	3.67	34.11	49.23	Max Avg	Vertical	165	359	54.0	-4.8	Pass

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

back to matrix

RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5190.00 MHz, Antenna: Aruba Networks AP-ANT-1B, Power Setting: 16.75, Duty Cycle (%): 100



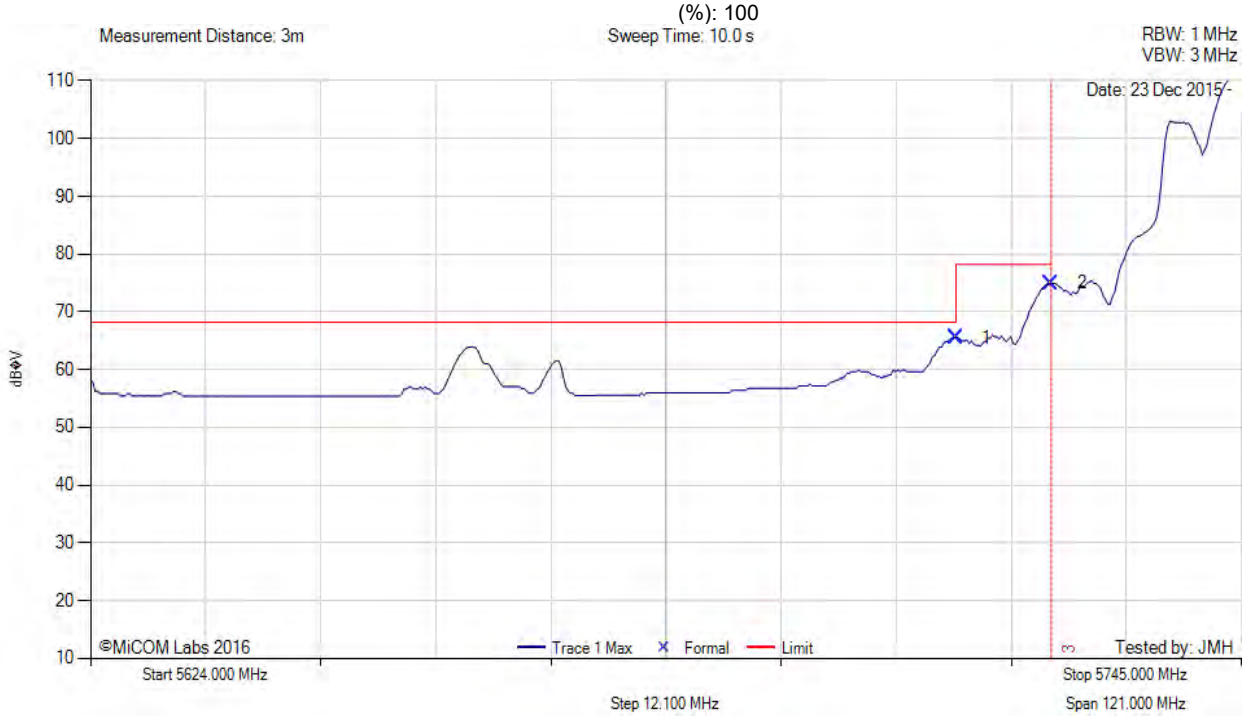
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5148.70	10.63	3.67	34.11	48.41	Max Avg	Vertical	165	359	54.0	-5.6	Pass
2	5148.70	36.02	3.67	34.11	73.80	Max Peak	Vertical	165	359	74.0	-0.2	Pass

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

back to matrix

5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-1B, Power Setting: 21, Duty Cycle (%): 100



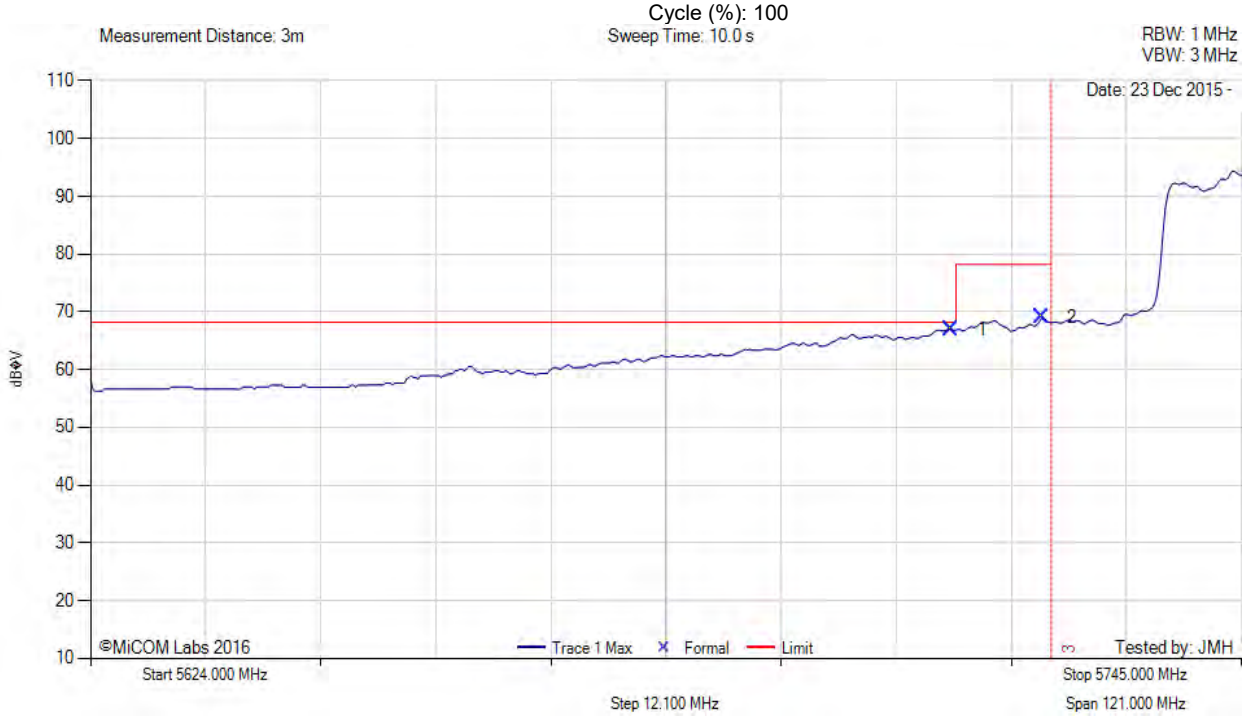
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5715.00	27.41	3.81	34.34	65.56	Marker	Vertical	160	3	68.2	-2.7	Pass
2	5725.00	36.79	3.79	34.35	74.93	Marker	Vertical	160	3	78.2	-3.3	Pass
3	5725.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	

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

back to matrix

5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: Aruba Networks AP-ANT-1B, Power Setting: 22, Duty Cycle (%): 100



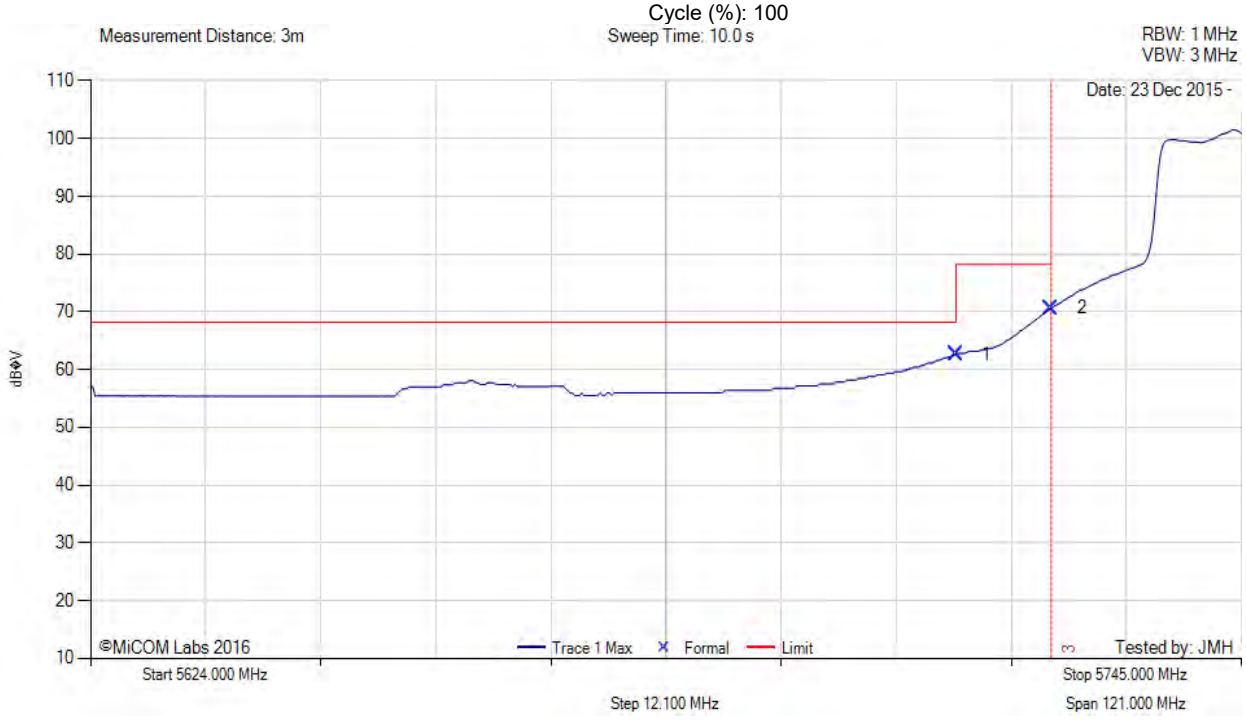
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5714.52	28.80	3.81	34.34	66.95	Marker	Vertical	160	3	68.2	-1.3	Pass
2	5724.03	30.91	3.79	34.35	69.05	Marker	Vertical	160	3	78.2	-9.2	Pass
3	5725.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	

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

back to matrix

5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-1B, Power Setting: 23, Duty Cycle (%): 100



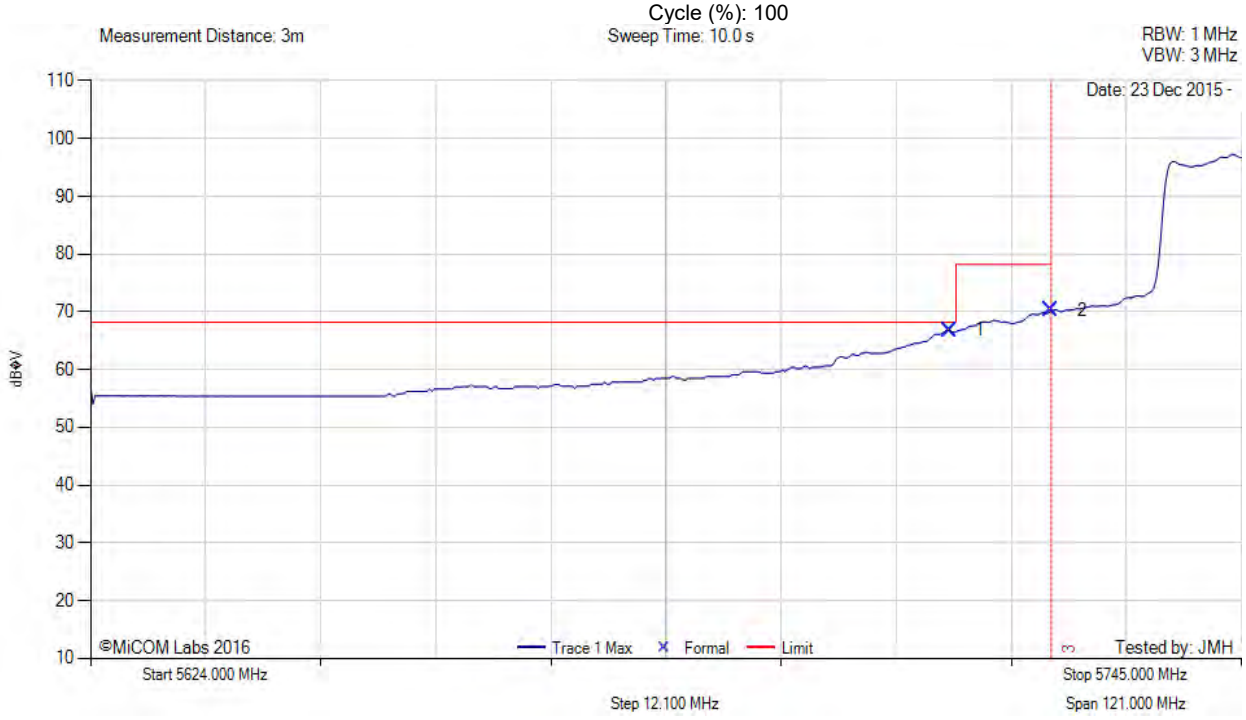
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5715.00	24.48	3.81	34.34	62.63	Marker	Vertical	160	3	68.2	-5.6	Pass
2	5725.00	32.51	3.79	34.35	70.65	Marker	Vertical	160	3	78.2	-7.6	Pass
3	5725.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	

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

back to matrix

5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5755.00 MHz, Antenna: Aruba Networks AP-ANT-1B, Power Setting: 22, Duty Cycle (%): 100



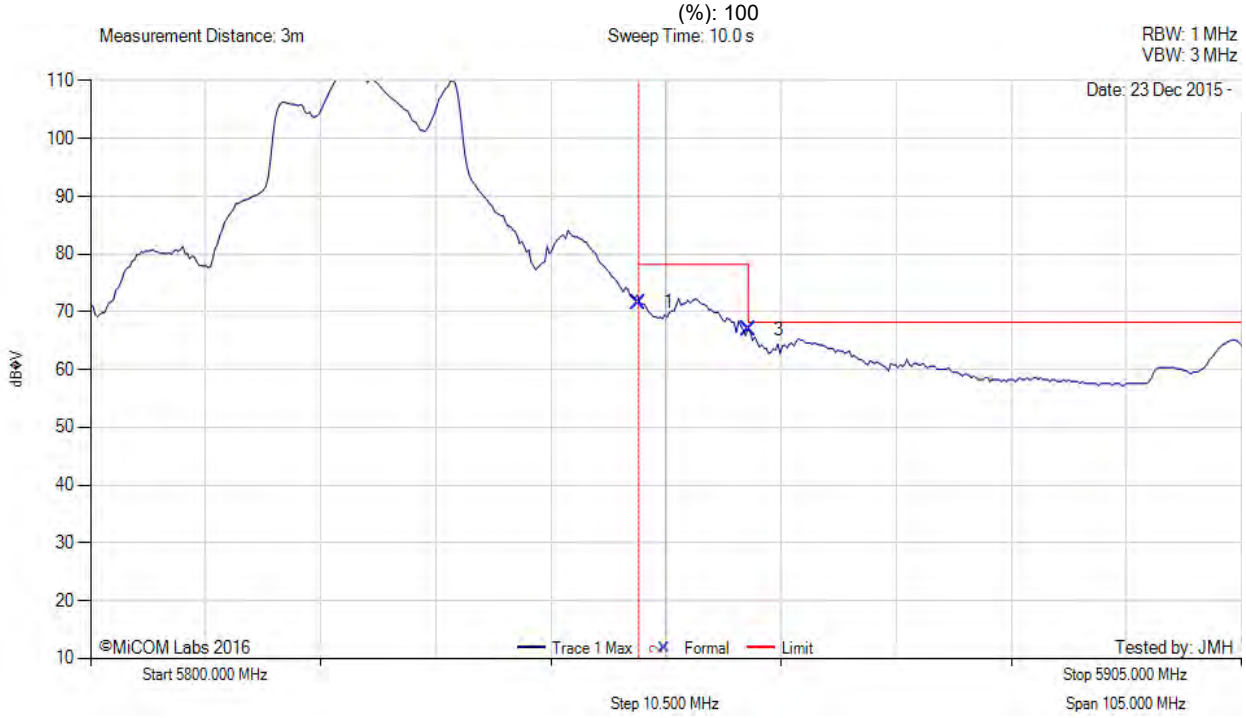
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5714.27	28.67	3.82	34.34	66.83	Marker	Vertical	160	3	68.2	-1.4	Pass
2	5725.00	32.11	3.79	34.35	70.25	Marker	Vertical	160	3	78.2	-8.0	Pass
3	5725.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	

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

back to matrix

5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-1B, Power Setting: 23, Duty Cycle (%): 100



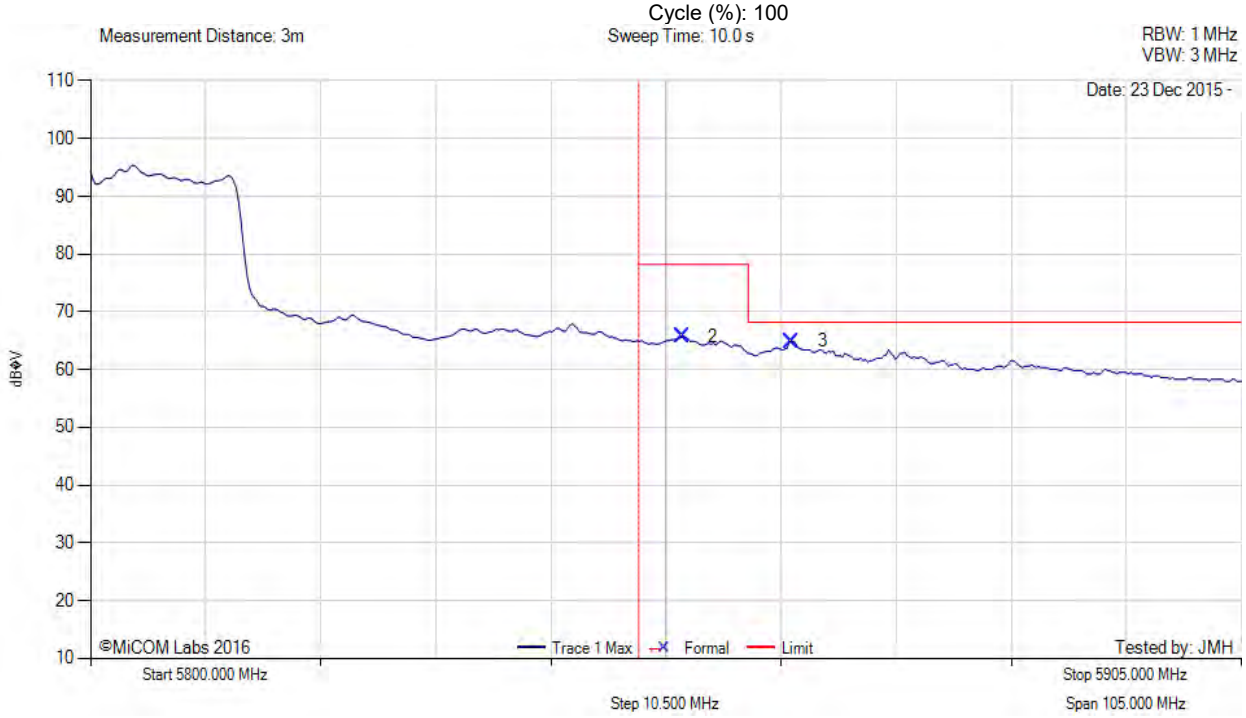
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	33.20	3.81	34.63	71.64	Marker	Vertical	182	2	78.2	-6.6	Pass
2	5850.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	
3	5860.00	28.45	3.86	34.65	66.96	Marker	Vertical	182	2	68.2	-1.3	Pass

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

back to matrix

5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: Aruba Networks AP-ANT-1B, Power Setting: 22, Duty Cycle (%): 100



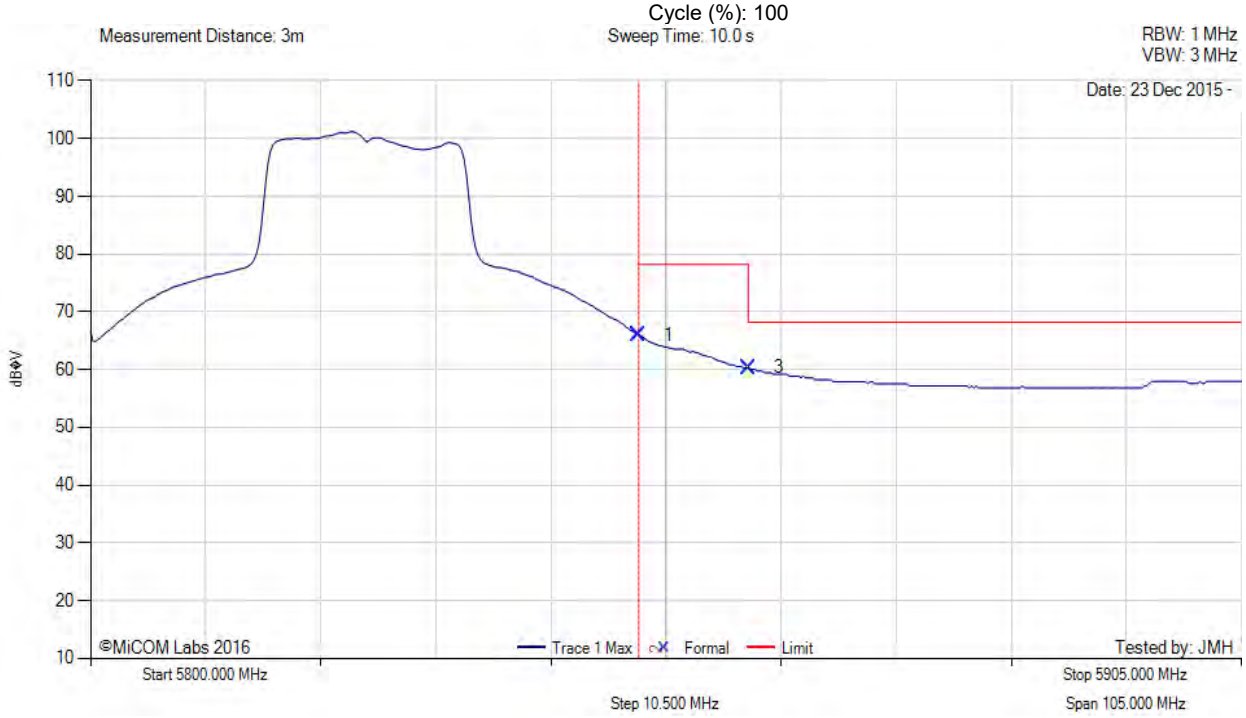
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	
2	5854.00	27.30	3.83	34.64	65.77	Marker	Vertical	182	2	78.2	-12.5	Pass
3	5864.00	26.41	3.84	34.66	64.91	Marker	Vertical	182	2	68.2	-3.3	Pass

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

back to matrix

5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-1B, Power Setting: 23, Duty Cycle (%): 100



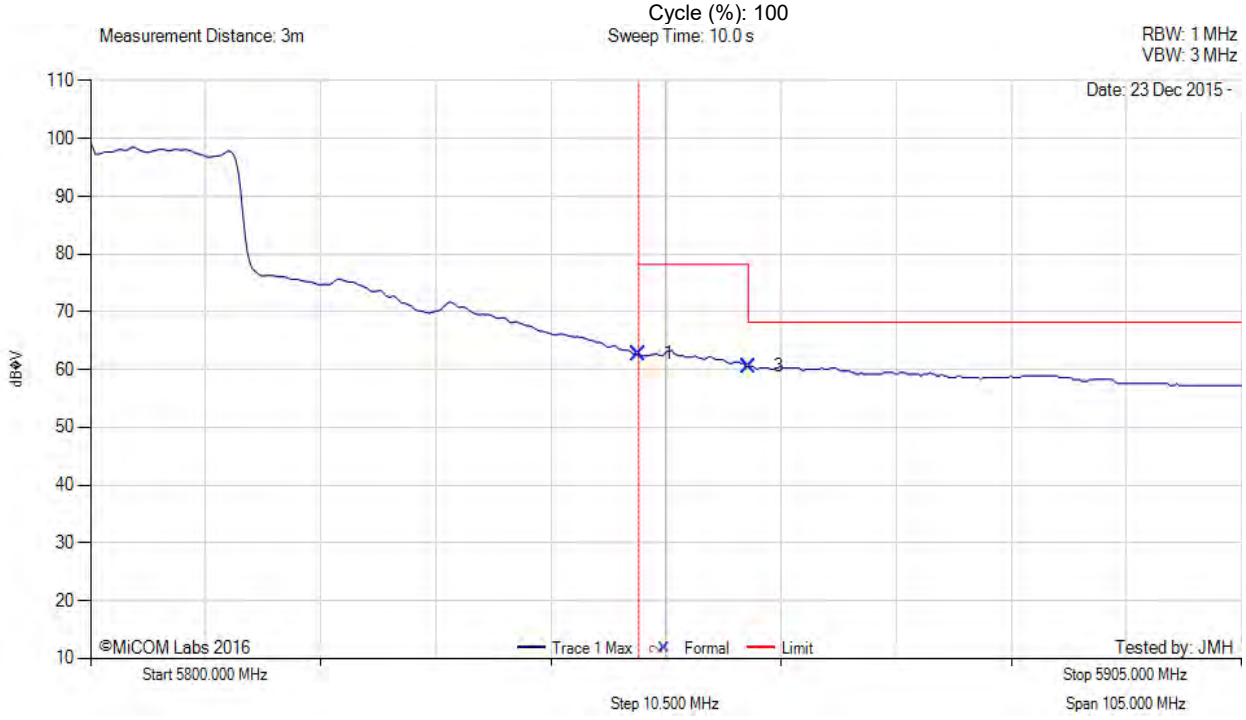
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	27.60	3.81	34.63	66.04	Marker	Vertical	182	2	78.2	-12.2	Pass
2	5850.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	
3	5860.00	21.80	3.86	34.65	60.31	Marker	Vertical	182	2	68.2	-7.9	Pass

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

back to matrix

5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5795.00 MHz, Antenna: Aruba Networks AP-ANT-1B, Power Setting: 23, Duty Cycle (%): 100

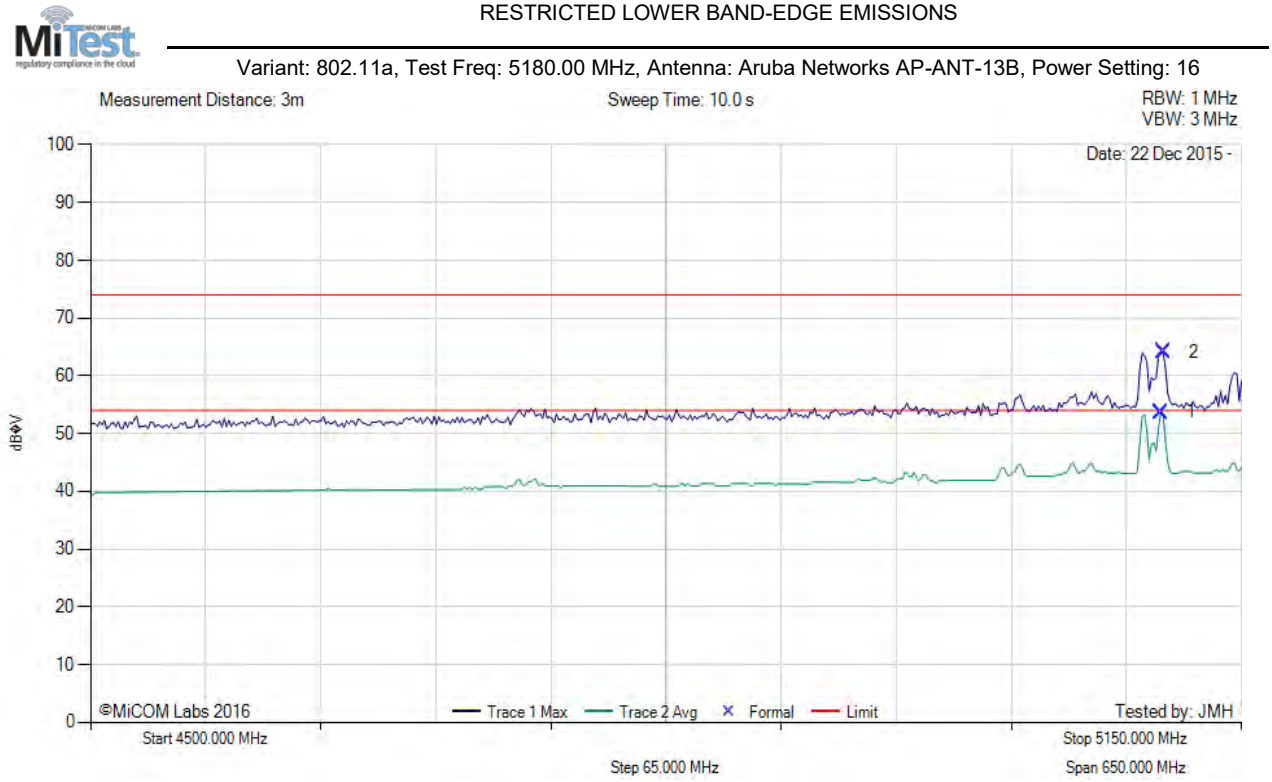


Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	24.34	3.81	34.63	62.78	Marker	Vertical	182	2	78.2	-15.5	Pass
2	5850.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	
3	5860.00	22.06	3.86	34.65	60.57	Marker	Vertical	182	2	68.2	-7.7	Pass

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

back to matrix

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	5104.41	16.02	3.58	34.13	53.73	Max Avg	Vertical	195	-3	54.0	-0.3	Pass
2	5105.71	26.36	3.57	34.13	64.06	Max Peak	Vertical	195	-3	74.0	-9.9	Pass

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

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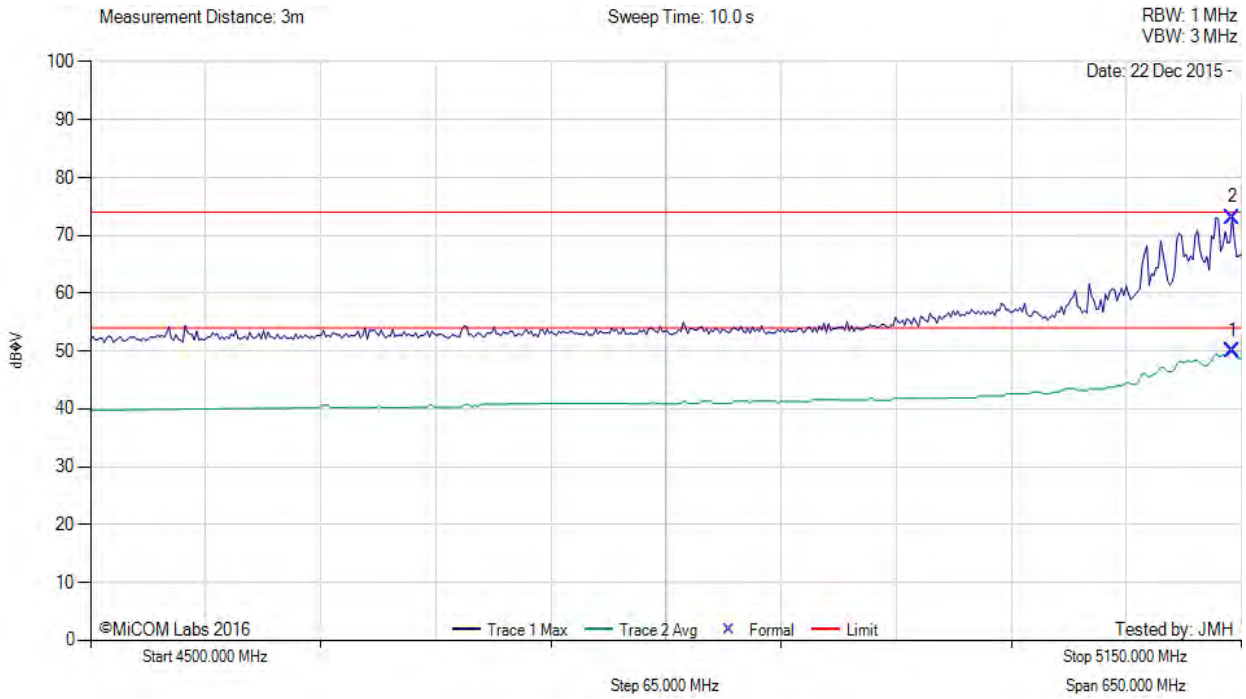
RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5210.00 MHz, Antenna: Aruba Networks AP-ANT-13B, Power Setting: 17.25



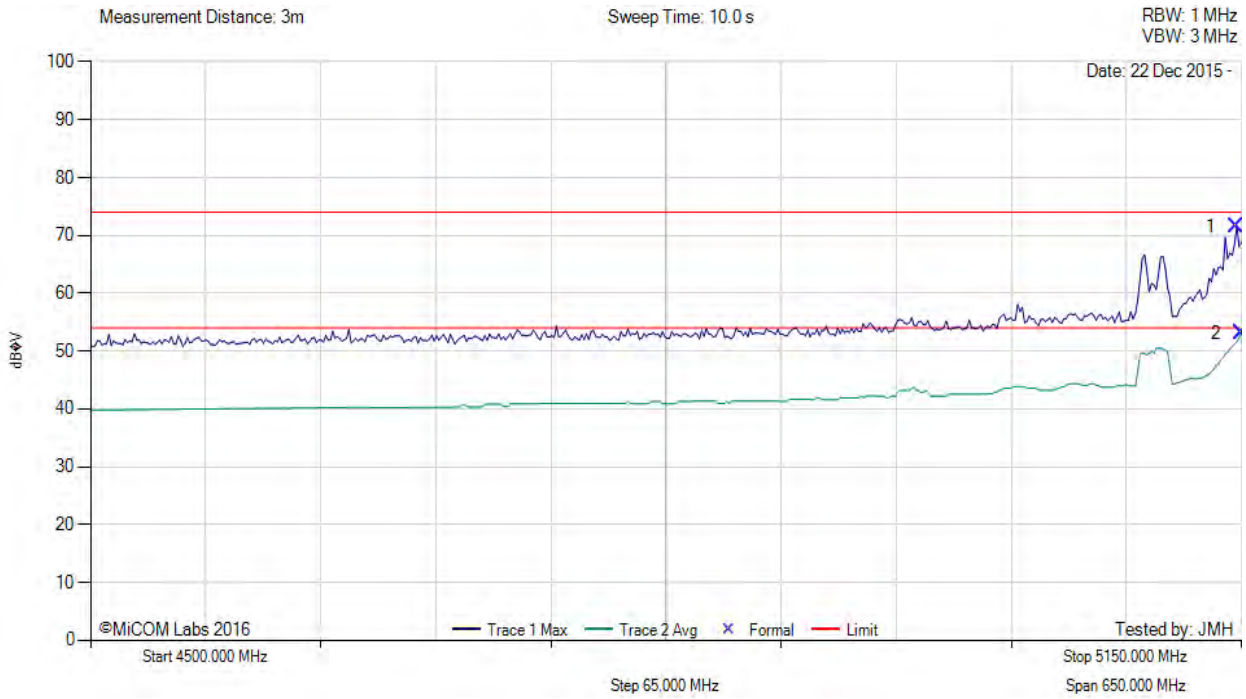
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5144.79	12.16	3.69	34.11	49.96	Max Avg	Vertical	195	-3	54.0	-4.0	Pass
2	5144.79	35.31	3.69	34.11	73.11	Max Peak	Vertical	195	-3	74.0	-0.9	Pass

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

back to matrix

RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5180.00 MHz, Antenna: Aruba Networks AP-ANT-13B, Power Setting: 21



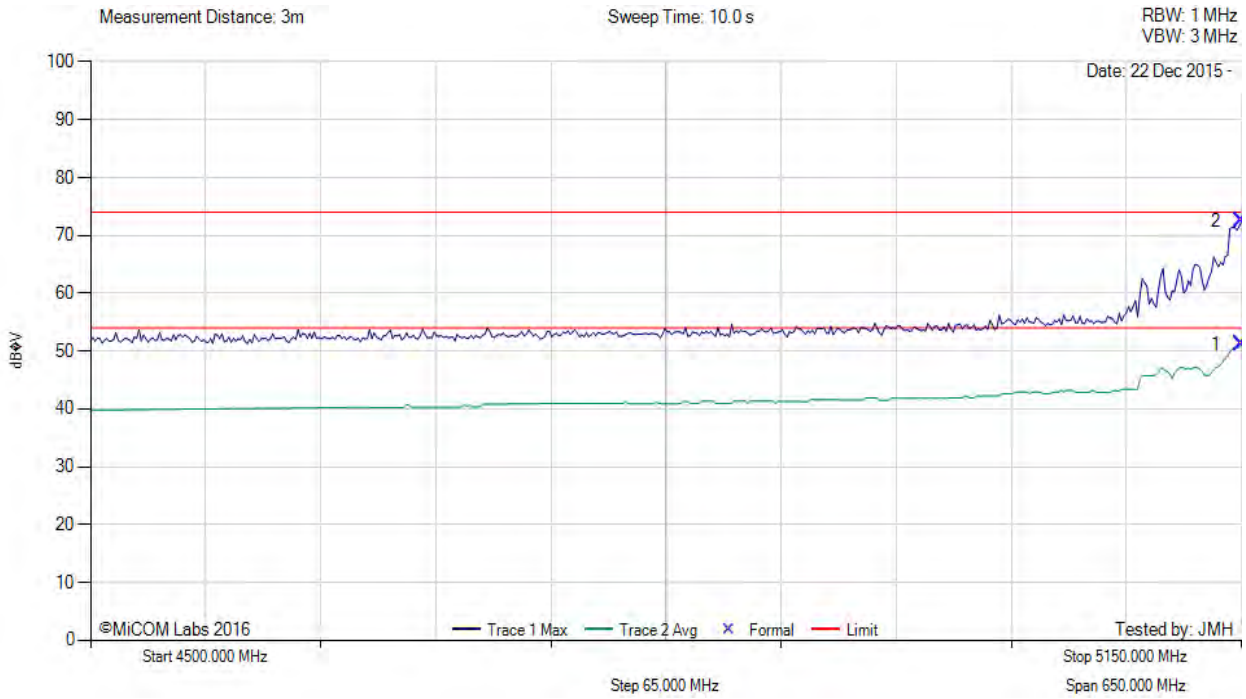
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5147.39	33.81	3.68	34.11	71.60	Max Peak	Vertical	195	-3	74.0	-2.4	Pass
2	5150.00	15.27	3.67	34.11	53.05	Max Avg	Vertical	195	-3	54.0	-1.0	Pass

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

back to matrix

RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5190.00 MHz, Antenna: Aruba Networks AP-ANT-13B, Power Setting: 18



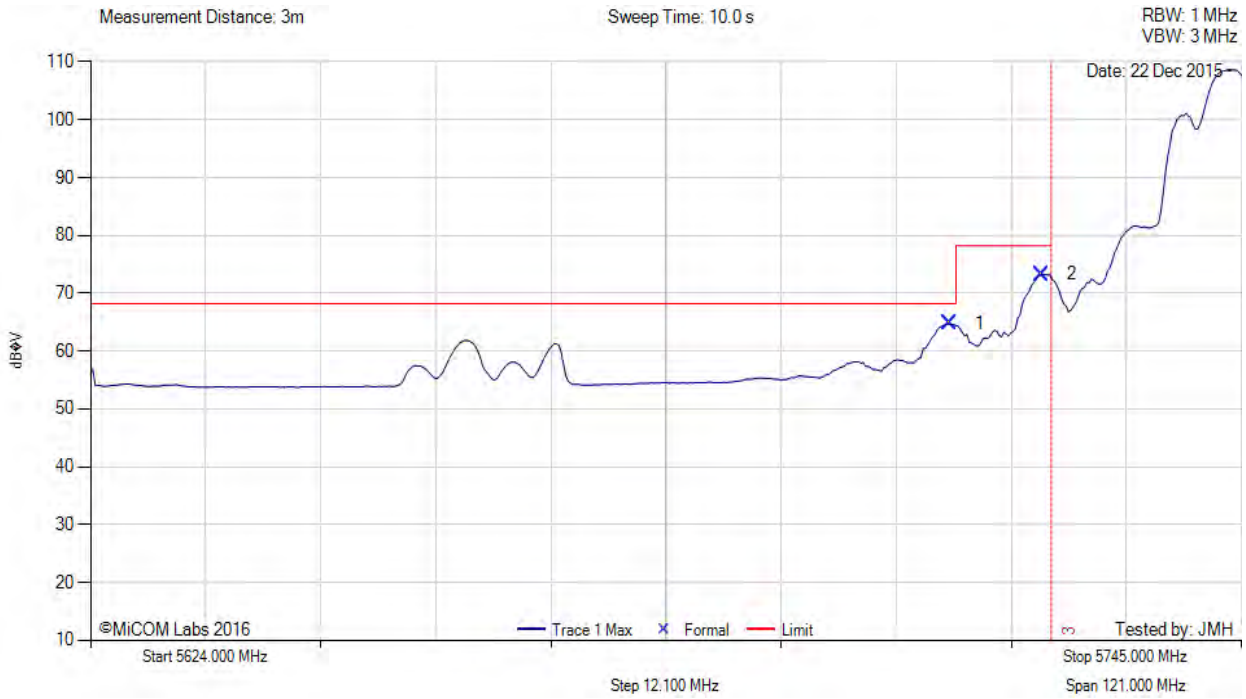
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5150.00	13.39	3.67	34.11	51.17	Max Avg	Vertical	195	-3	54.0	-2.8	Pass
2	5150.00	34.68	3.67	34.11	72.46	Max Peak	Vertical	195	-3	74.0	-1.5	Pass

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

back to matrix

5725 MHz RADIATED BAND-EDGE EMISSIONS

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



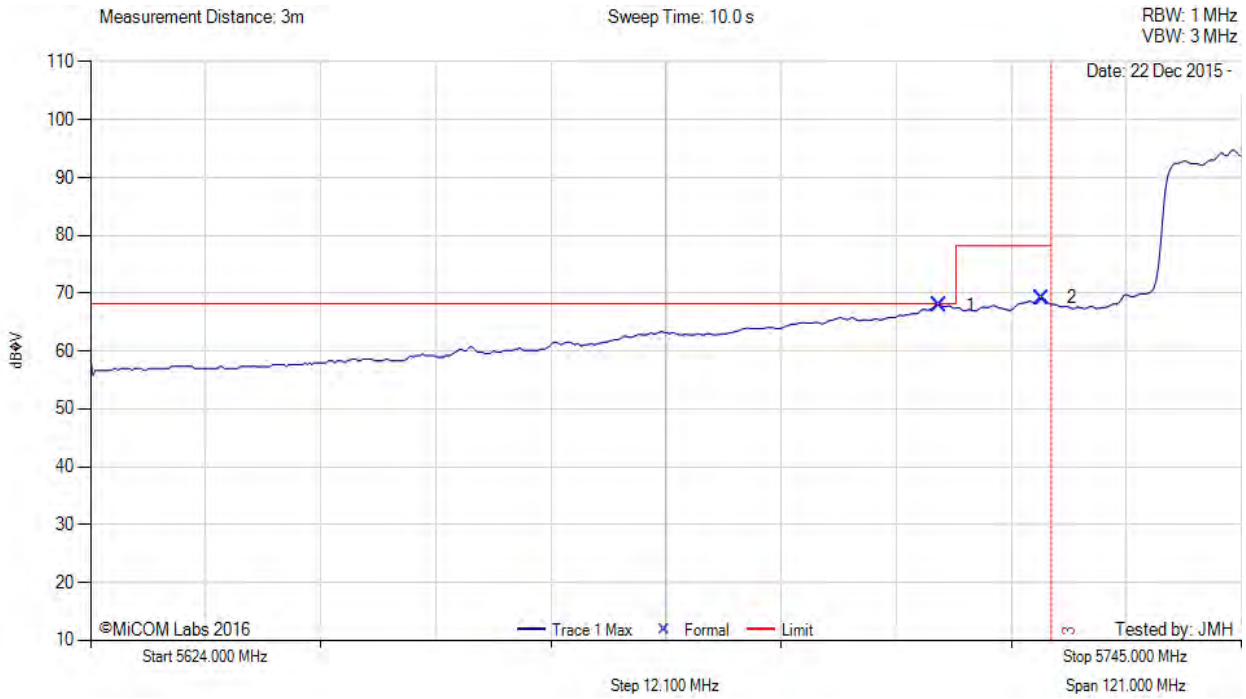
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5714.27	26.54	3.82	34.34	64.70	Marker	Vertical	186	360	68.2	-3.5	Pass
2	5724.03	35.15	3.79	34.35	73.29	Marker	Vertical	186	360	78.2	-4.9	Pass
3	5725.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	

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

back to matrix

5725 MHz RADIATED BAND-EDGE EMISSIONS

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



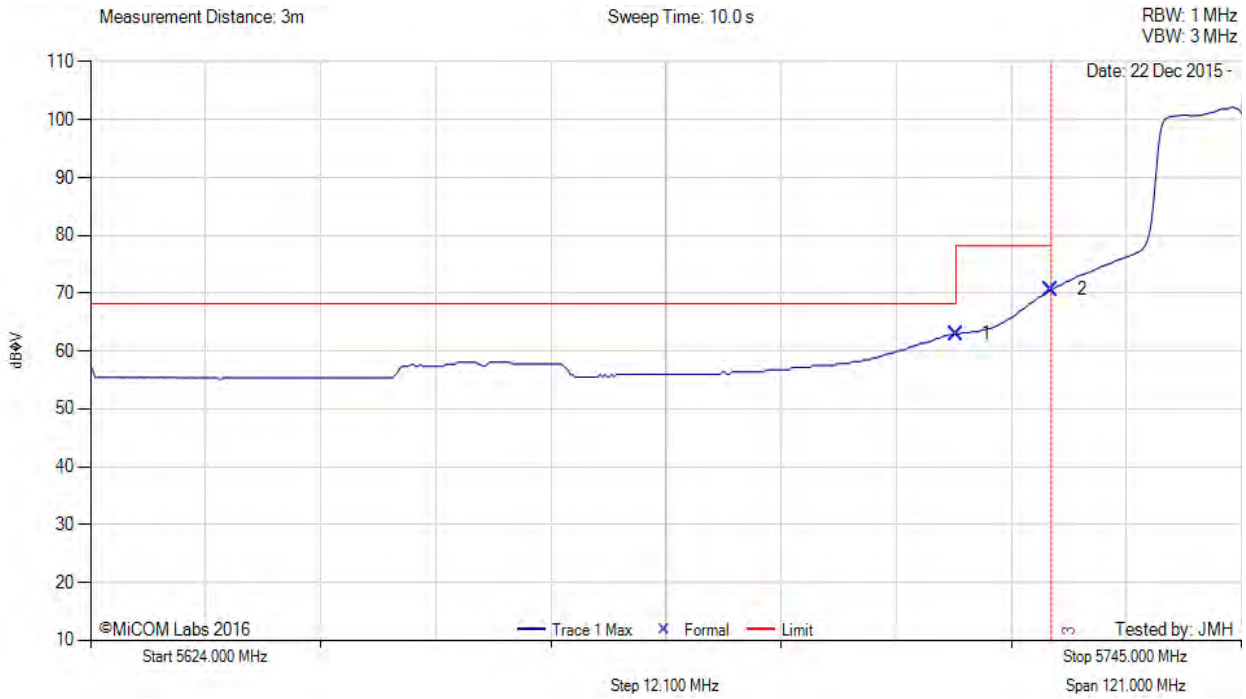
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5713.30	29.79	3.82	34.34	67.95	Marker	Vertical	186	360	68.2	-0.3	Pass
2	5724.03	31.09	3.79	34.35	69.23	Marker	Vertical	186	360	78.2	-9.0	Pass
3	5725.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	

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

back to matrix

5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-13B, Power Setting: 23



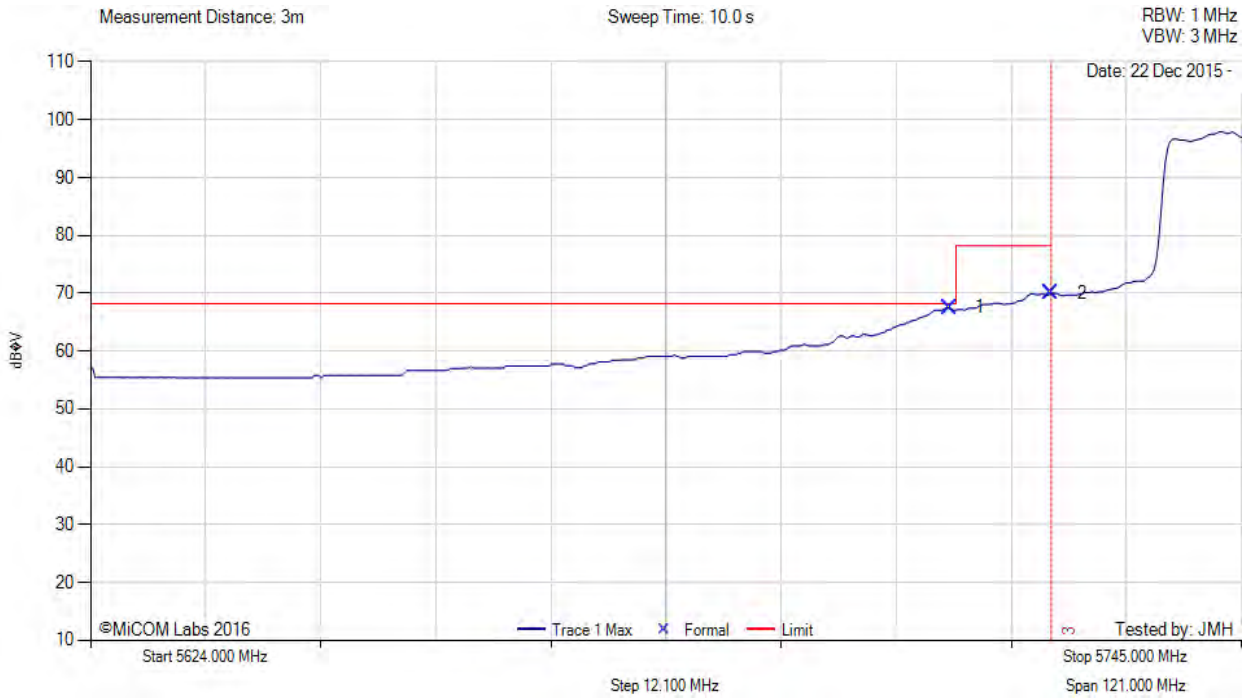
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5715.00	24.86	3.81	34.34	63.01	Marker	Vertical	186	360	68.2	-5.2	Pass
2	5725.00	32.51	3.79	34.35	70.65	Marker	Vertical	186	360	78.2	-7.6	Pass
3	5725.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	

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

back to matrix

5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5755.00 MHz, Antenna: Aruba Networks AP-ANT-13B, Power Setting: 22



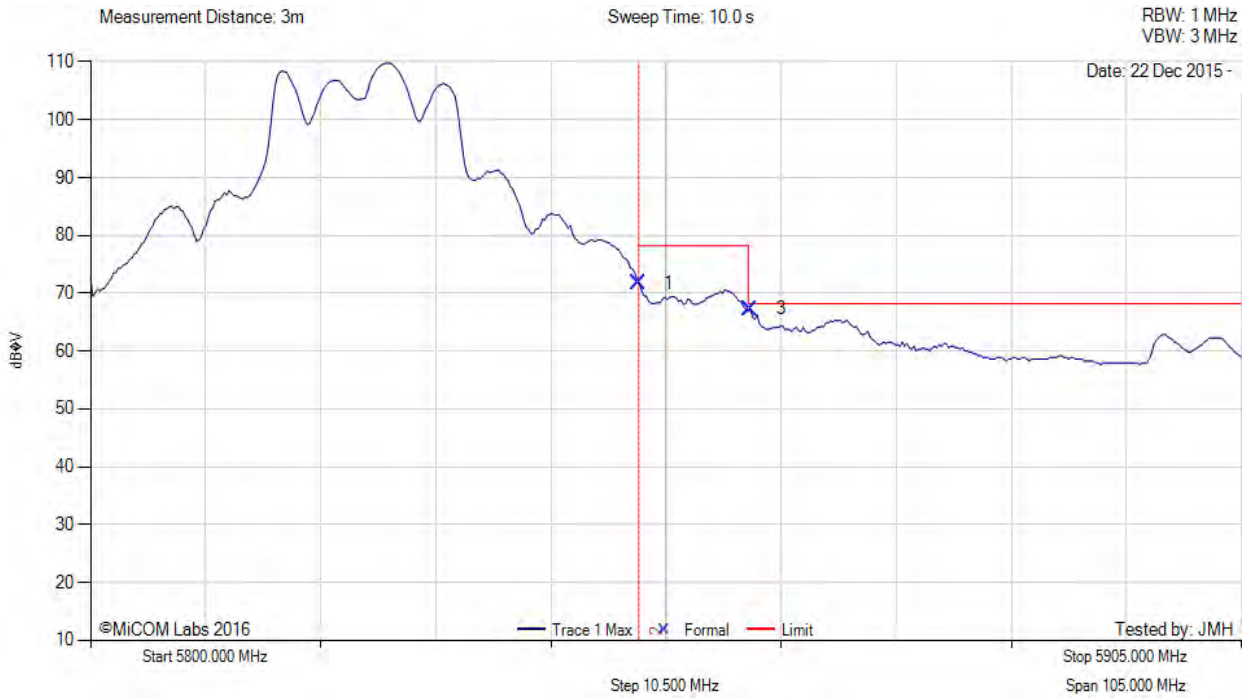
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5714.27	29.36	3.82	34.34	67.52	Marker	Vertical	186	360	68.2	-0.7	Pass
2	5725.00	31.87	3.79	34.35	70.01	Marker	Vertical	186	360	78.2	-8.2	Pass
3	5725.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	

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

back to matrix

5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-13B, Power Setting: 23



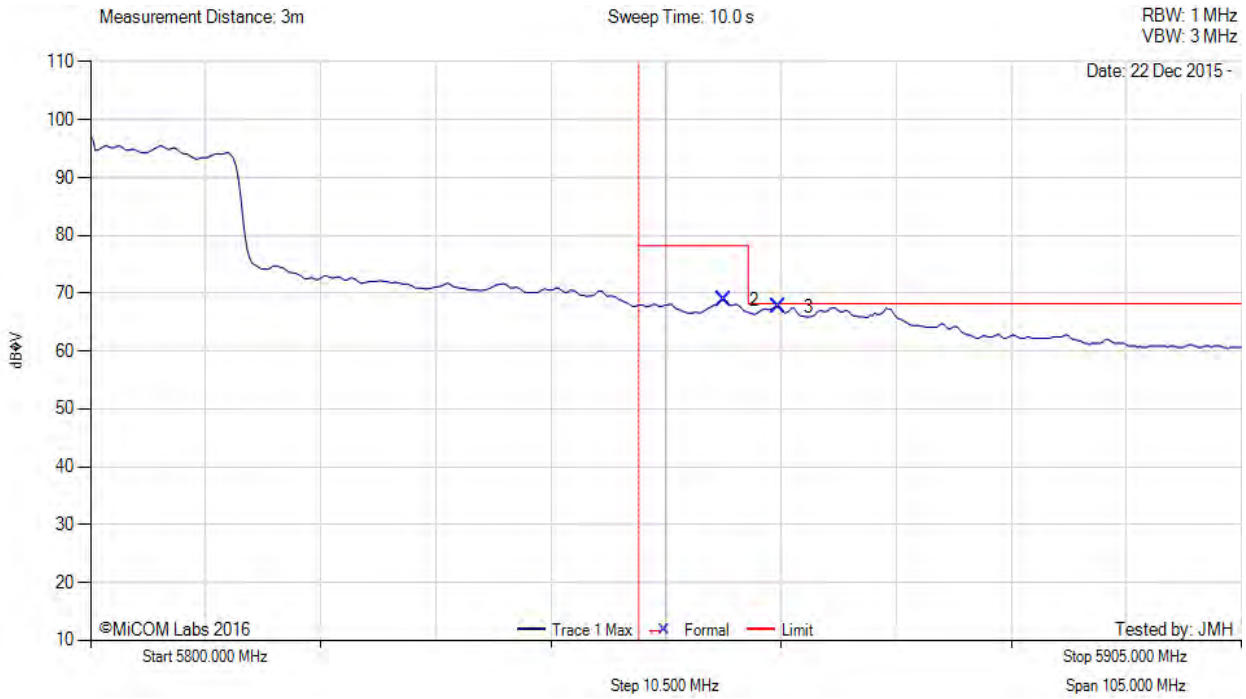
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	33.27	3.81	34.63	71.71	Marker	Vertical	189	3	78.2	-6.5	Pass
2	5850.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	
3	5860.21	28.81	3.86	34.65	67.32	Marker	Vertical	189	3	68.2	-0.9	Pass

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

back to matrix

5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: Aruba Networks AP-ANT-13B, Power Setting: 23



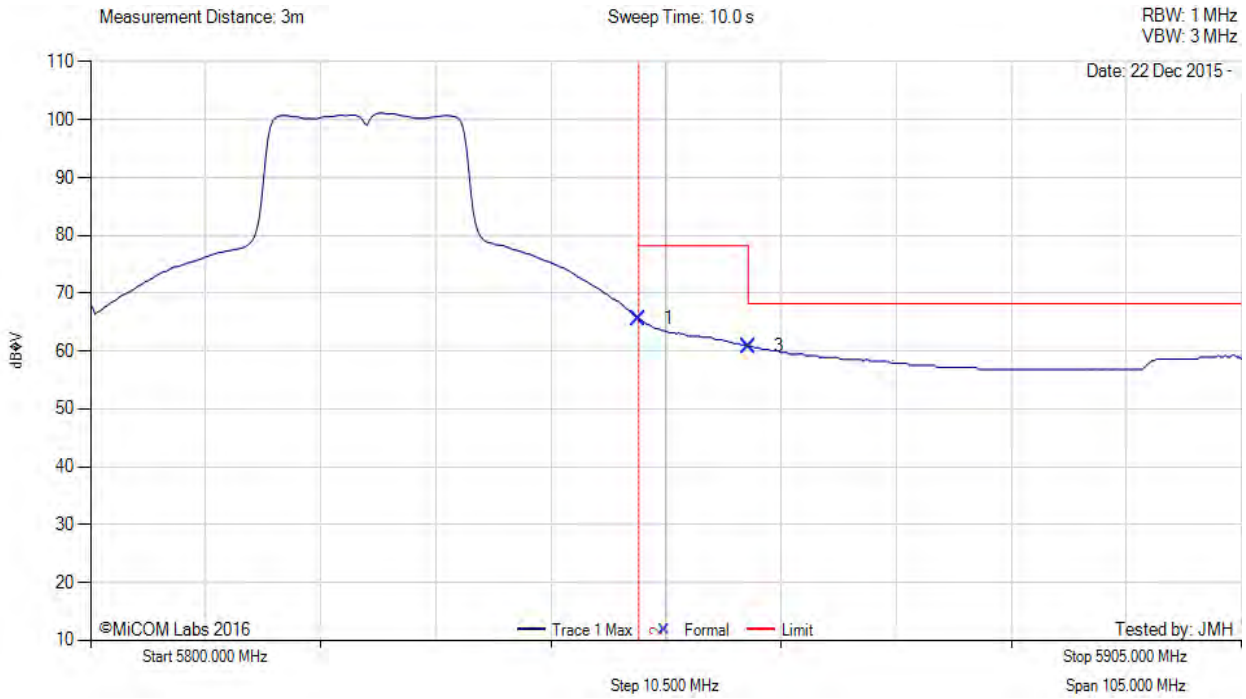
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	
2	5857.79	30.32	3.85	34.65	68.82	Marker	Vertical	189	3	78.2	-9.4	Pass
3	5862.74	29.16	3.85	34.66	67.67	Marker	Vertical	189	3	68.2	-0.6	Pass

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

back to matrix

5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-13B, Power Setting: 23



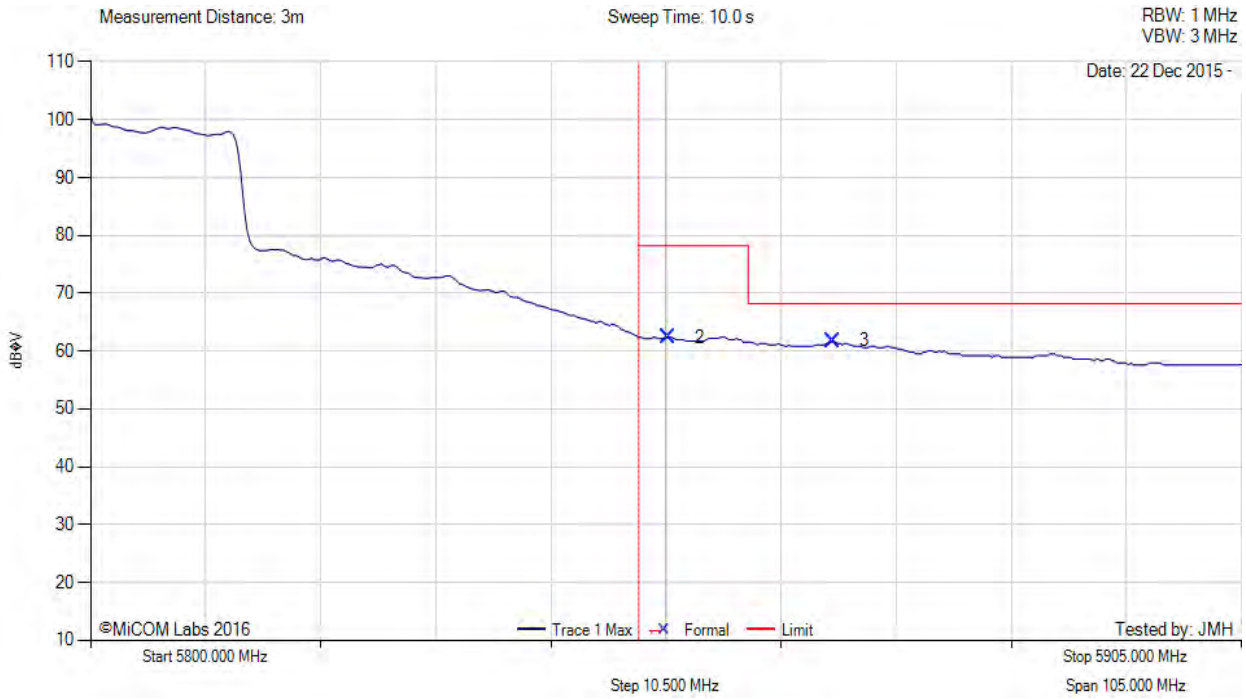
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	27.18	3.81	34.63	65.62	Marker	Vertical	189	3	78.2	-12.6	Pass
2	5850.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	
3	5860.00	22.31	3.86	34.65	60.82	Marker	Vertical	189	3	68.2	-7.4	Pass

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

back to matrix

5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5795.00 MHz, Antenna: Aruba Networks AP-ANT-13B, Power Setting: 23



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	--	Frequency Line 1		0	0	--	--	
2	5852.74	23.94	3.82	34.63	62.39	Marker	Vertical	189	3	78.2	-15.8	Pass
3	5867.79	23.28	3.82	34.68	61.78	Marker	Vertical	189	3	68.2	-6.5	Pass

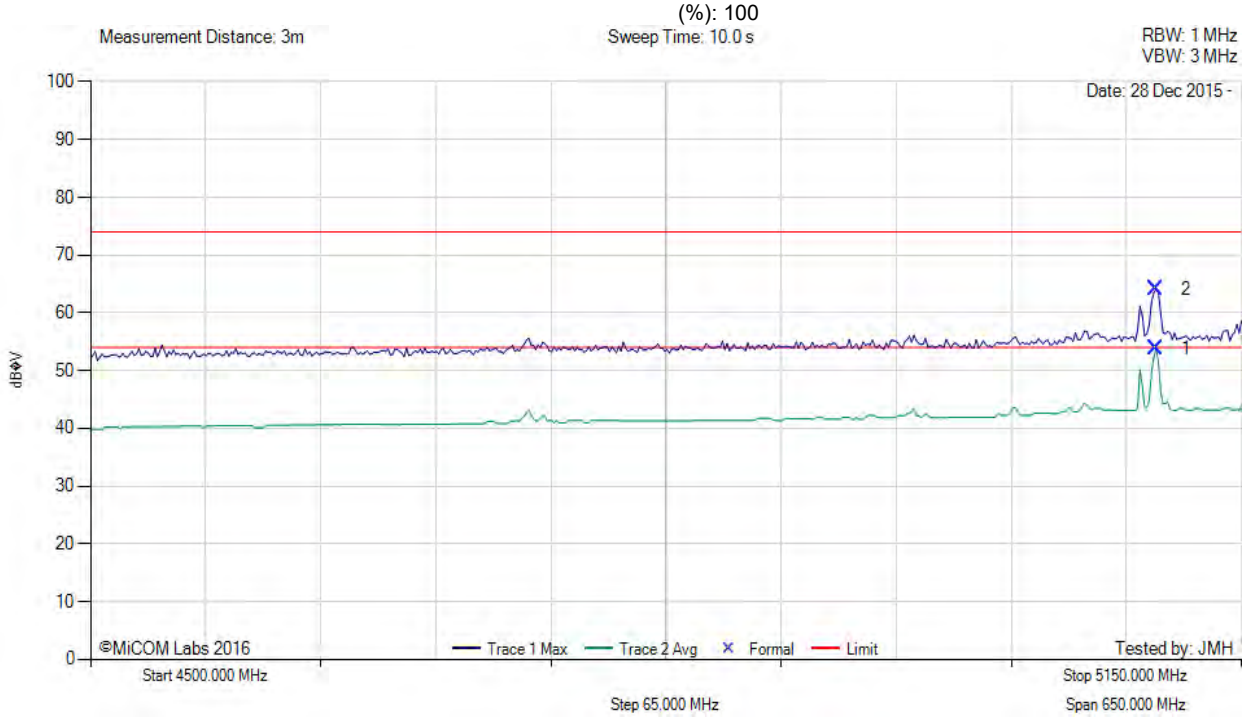
Test Notes: EUT on 150cm table. Powered by PDSine 9001GR POE

back to matrix

A.4.3 Antenna AP-ANT-16

RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5180.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 14, Duty Cycle (%): 100



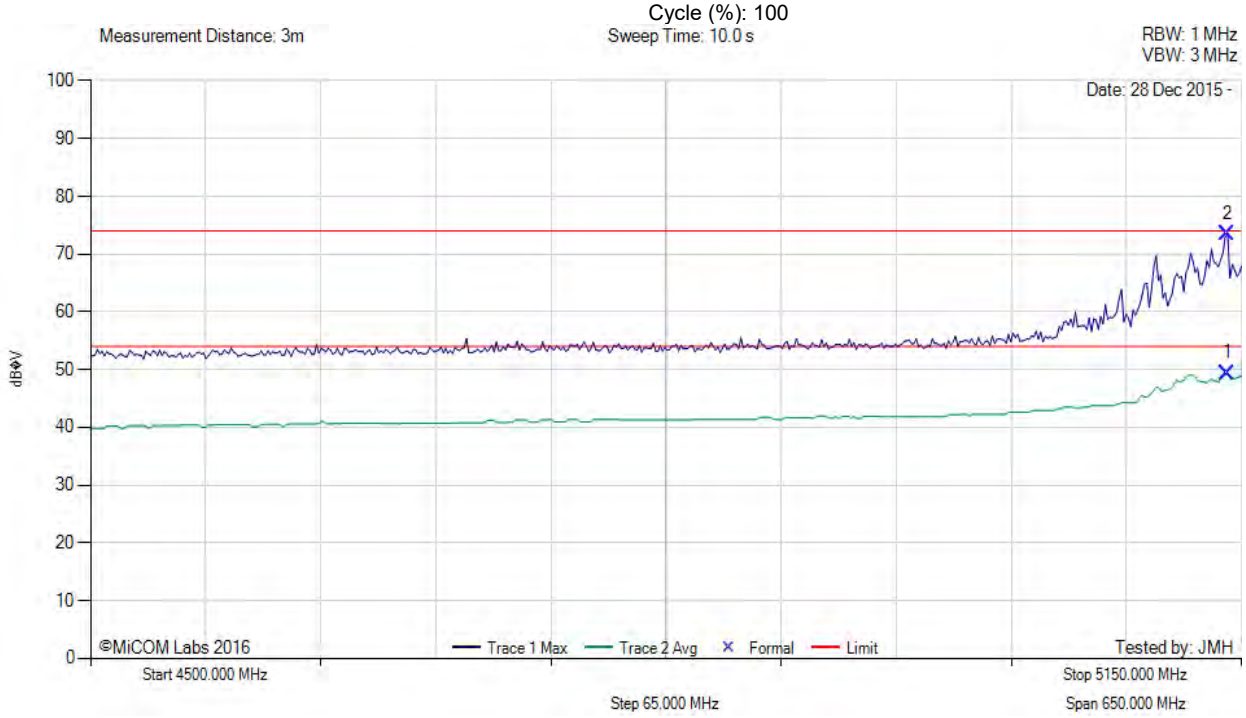
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5101.80	16.10	3.58	34.13	53.81	Max Avg	Horizontal	101	320	54.0	-0.2	Pass
2	5101.80	26.34	3.58	34.13	64.05	Max Peak	Horizontal	101	320	74.0	-10.0	Pass

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

back to matrix

RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5210.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 17.25, Duty Cycle (%): 100



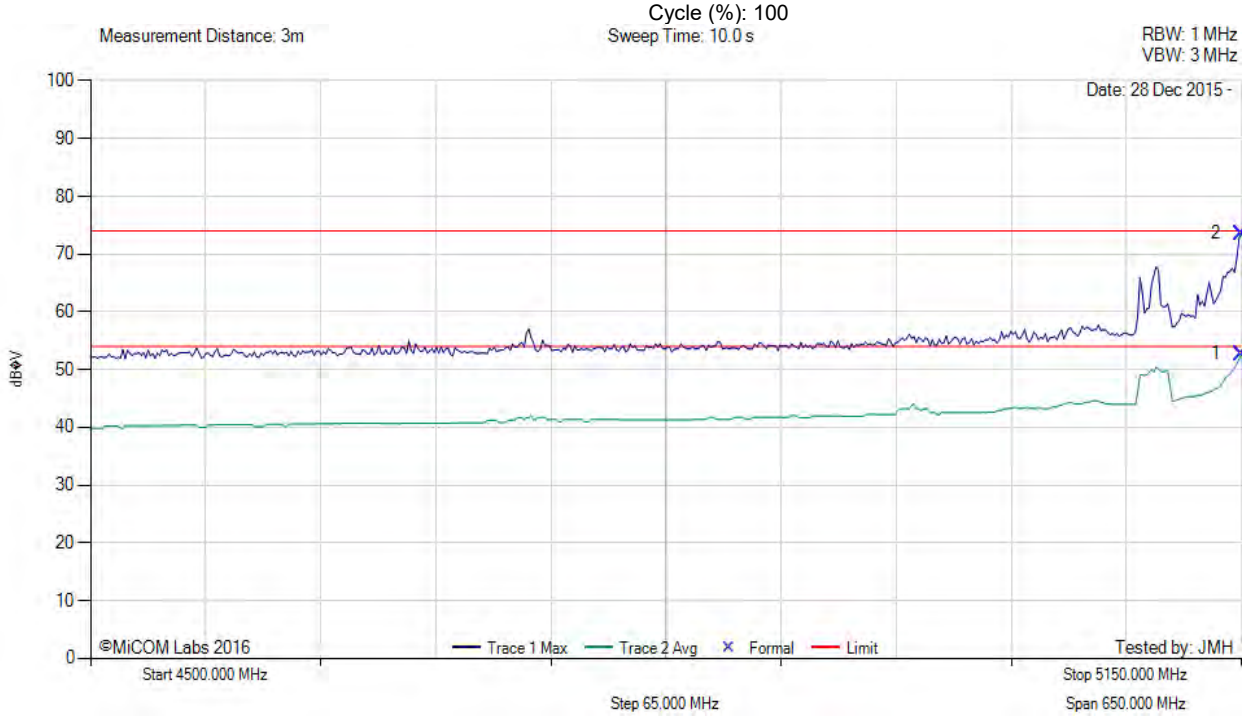
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5142.18	11.55	3.70	34.12	49.37	Max Avg	Horizontal	101	320	54.0	-4.6	Pass
2	5142.18	35.67	3.70	34.12	73.49	Max Peak	Horizontal	101	320	74.0	-0.5	Pass

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

back to matrix

RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5180.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 21, Duty Cycle (%): 100



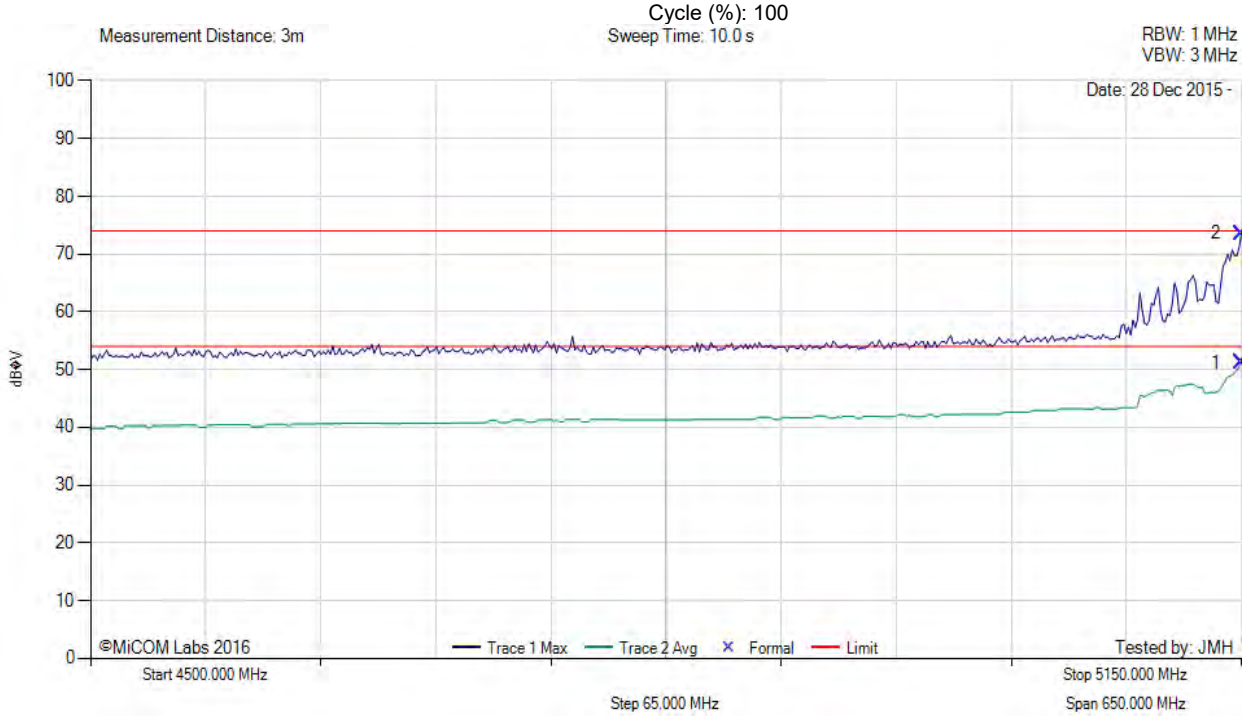
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5150.00	14.97	3.67	34.11	52.75	Max Avg	Horizontal	101	320	54.0	-1.3	Pass
2	5150.00	35.83	3.67	34.11	73.61	Max Peak	Horizontal	101	320	74.0	-0.4	Pass

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

back to matrix

RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5190.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 18, Duty Cycle (%): 100



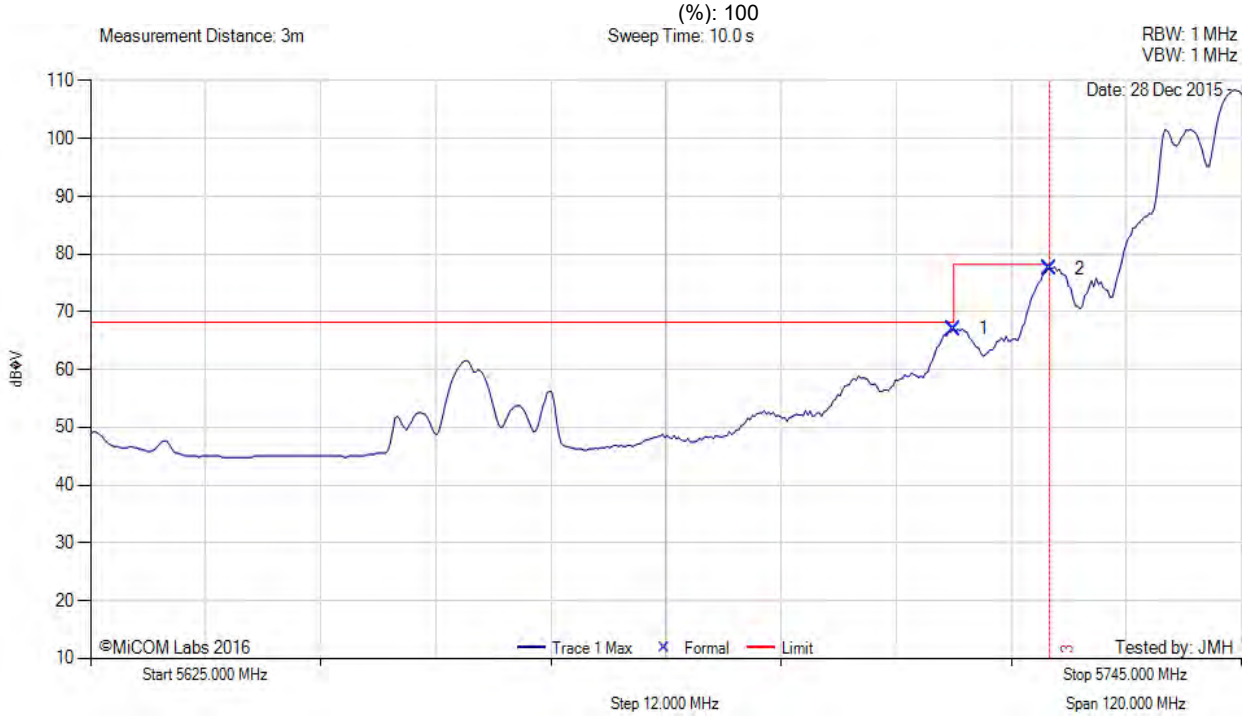
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5150.00	13.39	3.67	34.11	51.17	Max Avg	Horizontal	101	320	54.0	-2.8	Pass
2	5150.00	35.78	3.67	34.11	73.56	Max Peak	Horizontal	101	320	74.0	-0.4	Pass

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

back to matrix

5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 22, Duty Cycle (%): 100



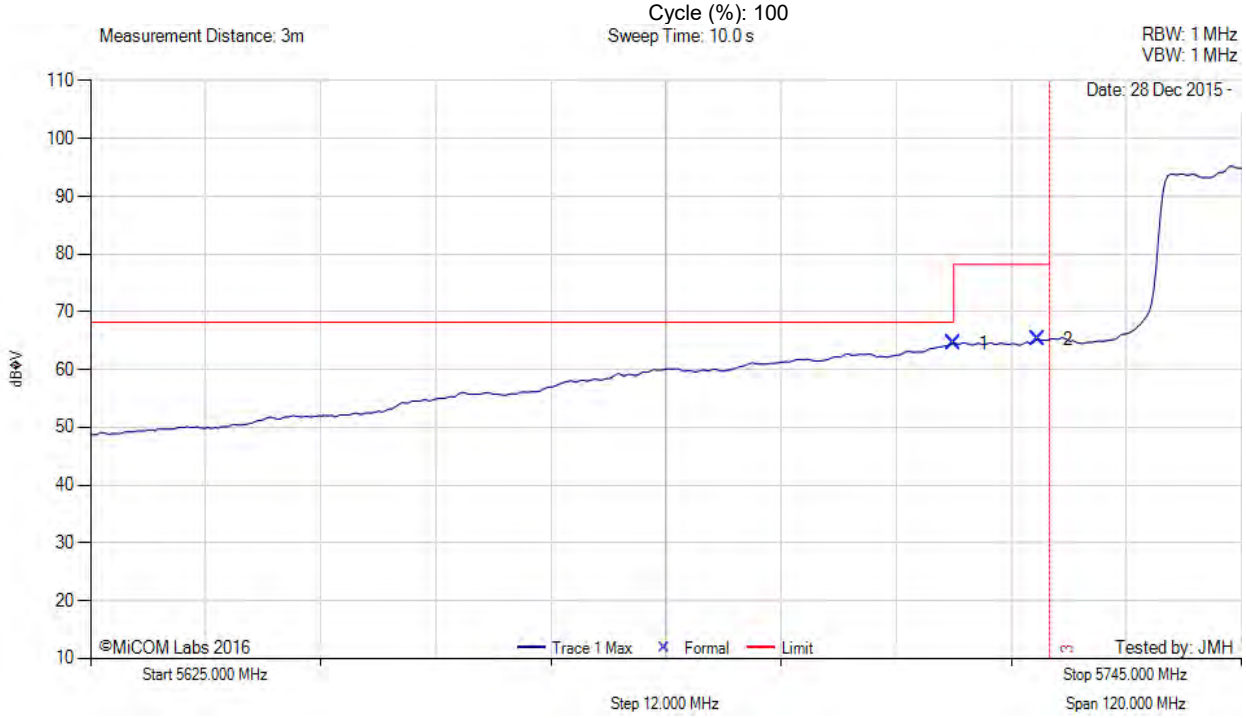
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5715.00	28.93	3.81	34.34	67.08	Marker	Horizontal	131	295	68.2	-1.2	Pass
2	5725.00	39.35	3.79	34.35	77.49	Marker	Horizontal	131	295	78.2	-0.7	Pass
3	5725.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	

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

back to matrix

5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 21, Duty Cycle (%): 100



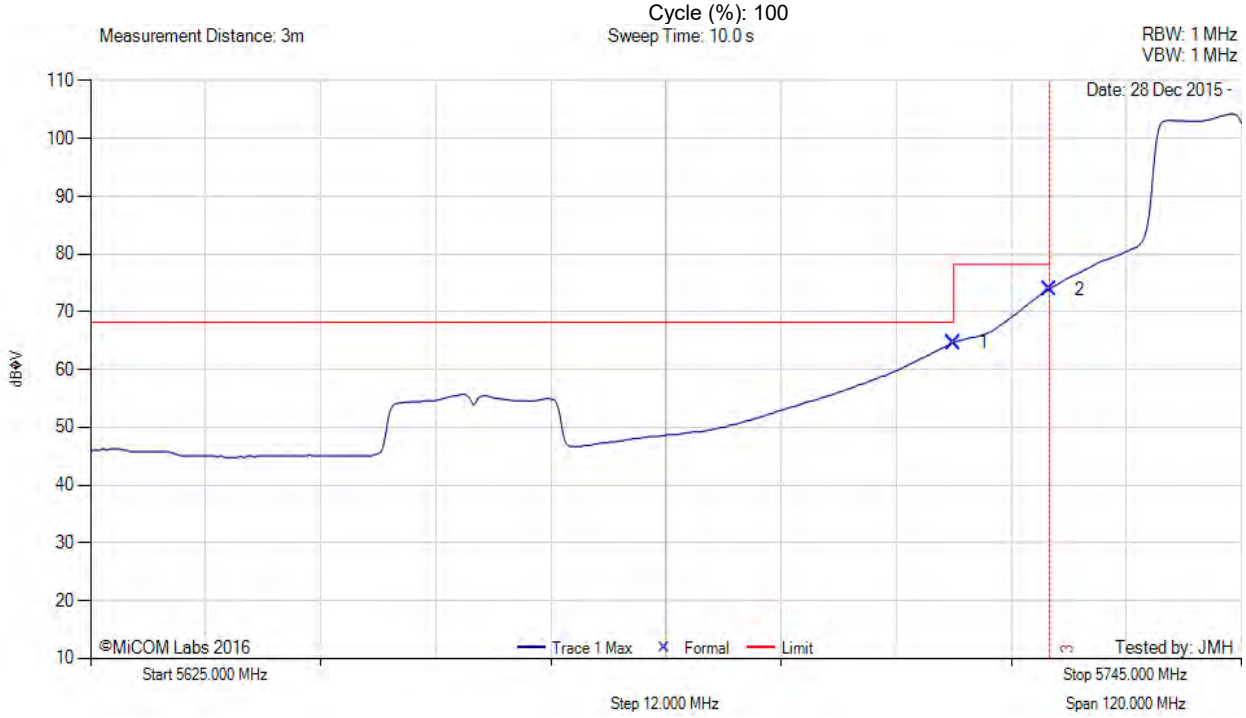
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5715.00	26.41	3.81	34.34	64.56	Marker	Horizontal	131	295	68.2	-3.7	Pass
2	5723.80	27.18	3.79	34.35	65.32	Marker	Horizontal	131	295	78.2	-12.9	Pass
3	5725.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	

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

back to matrix

5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 23, Duty Cycle (%): 100



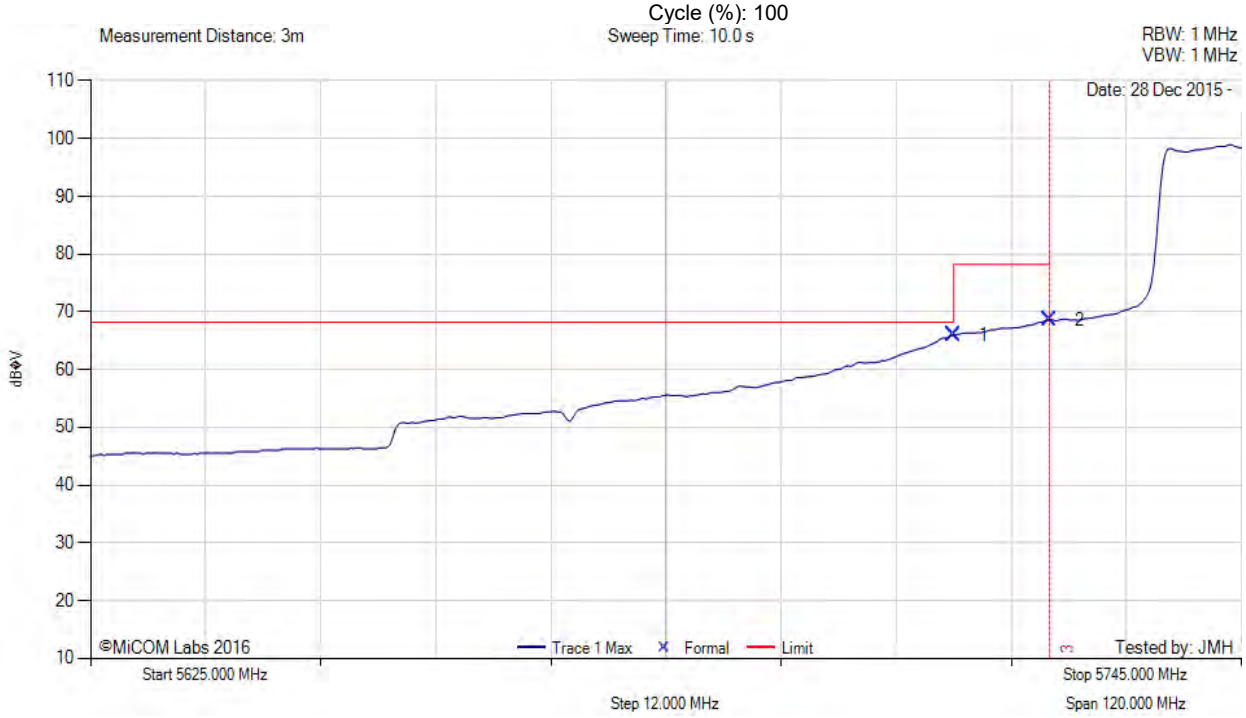
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5715.00	26.52	3.81	34.34	64.67	Marker	Horizontal	131	295	68.2	-3.6	Pass
2	5725.00	35.81	3.79	34.35	73.95	Marker	Horizontal	131	295	78.2	-4.3	Pass
3	5725.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	

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

back to matrix

5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5755.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 21, Duty Cycle (%): 100



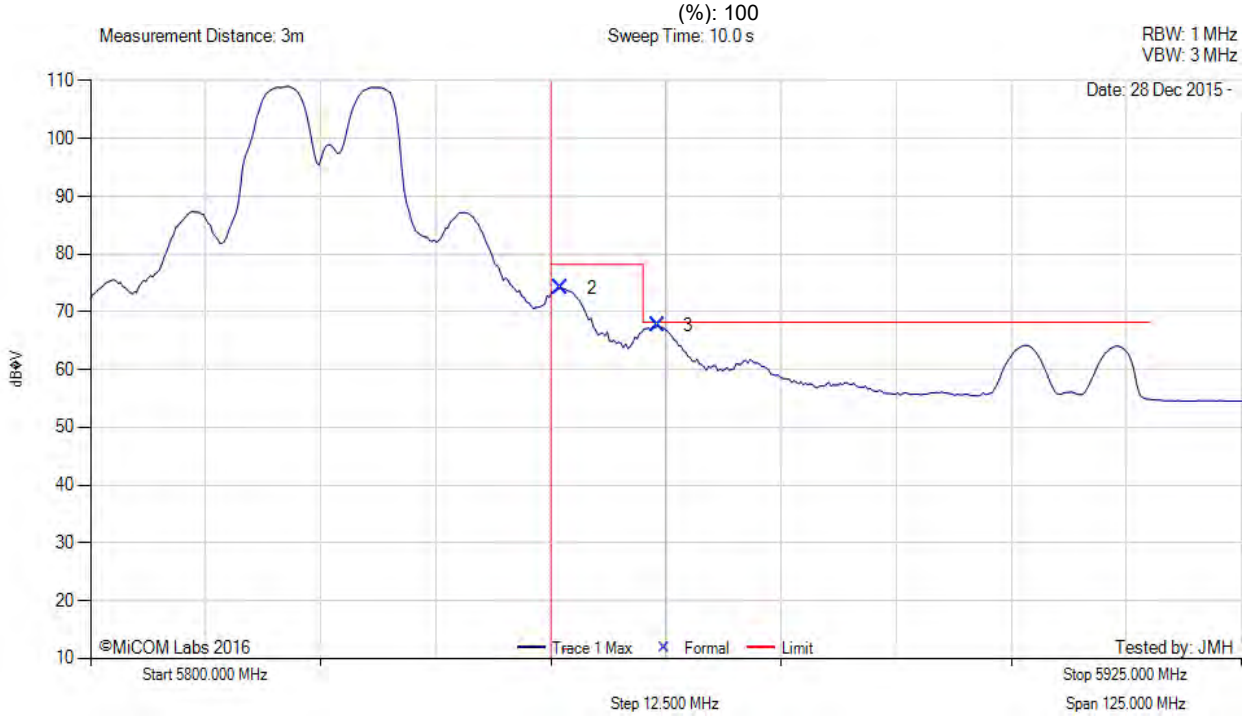
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5715.00	27.86	3.81	34.34	66.01	Marker	Horizontal	131	295	68.2	-2.2	Pass
2	5725.00	30.46	3.79	34.35	68.60	Marker	Horizontal	131	295	78.2	-9.6	Pass
3	5725.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	

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

back to matrix

5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 22, Duty Cycle (%): 100



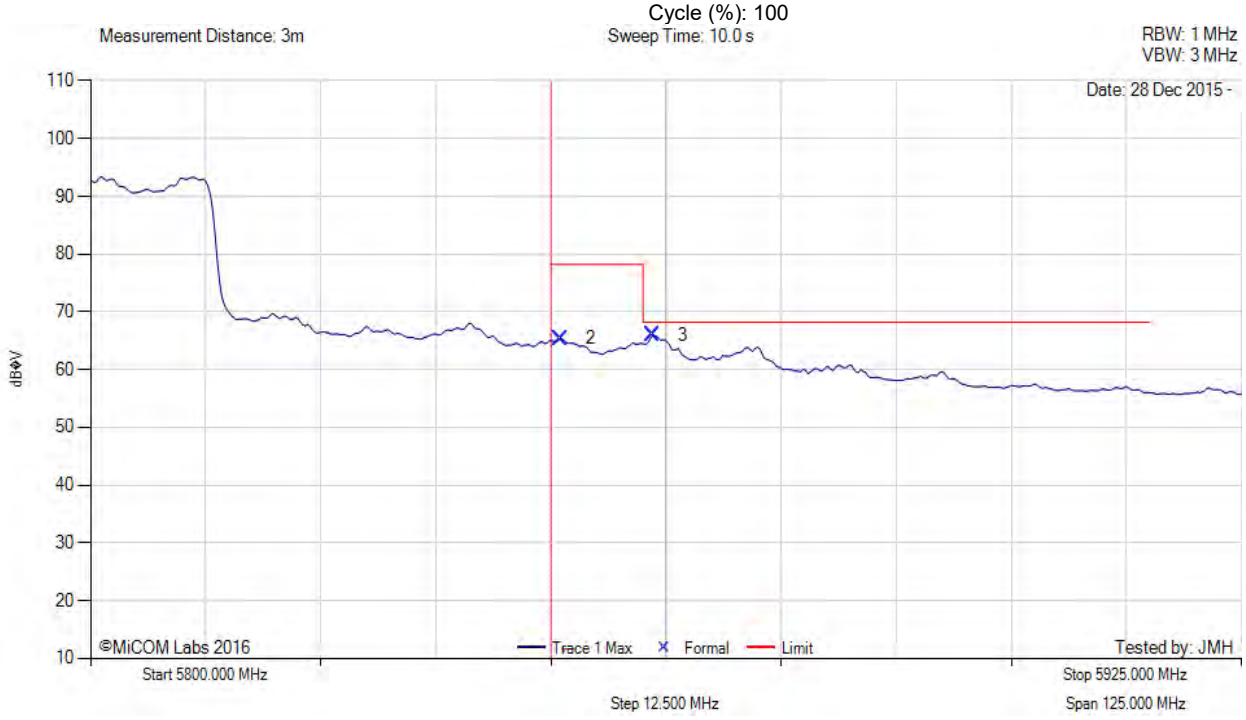
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	
2	5851.10	35.67	3.81	34.63	74.11	Marker	Horizontal	188	291	78.2	-4.1	Pass
3	5861.62	29.11	3.85	34.66	67.62	Marker	Horizontal	188	291	68.2	-0.6	Pass

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

back to matrix

5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 22, Duty Cycle (%): 100



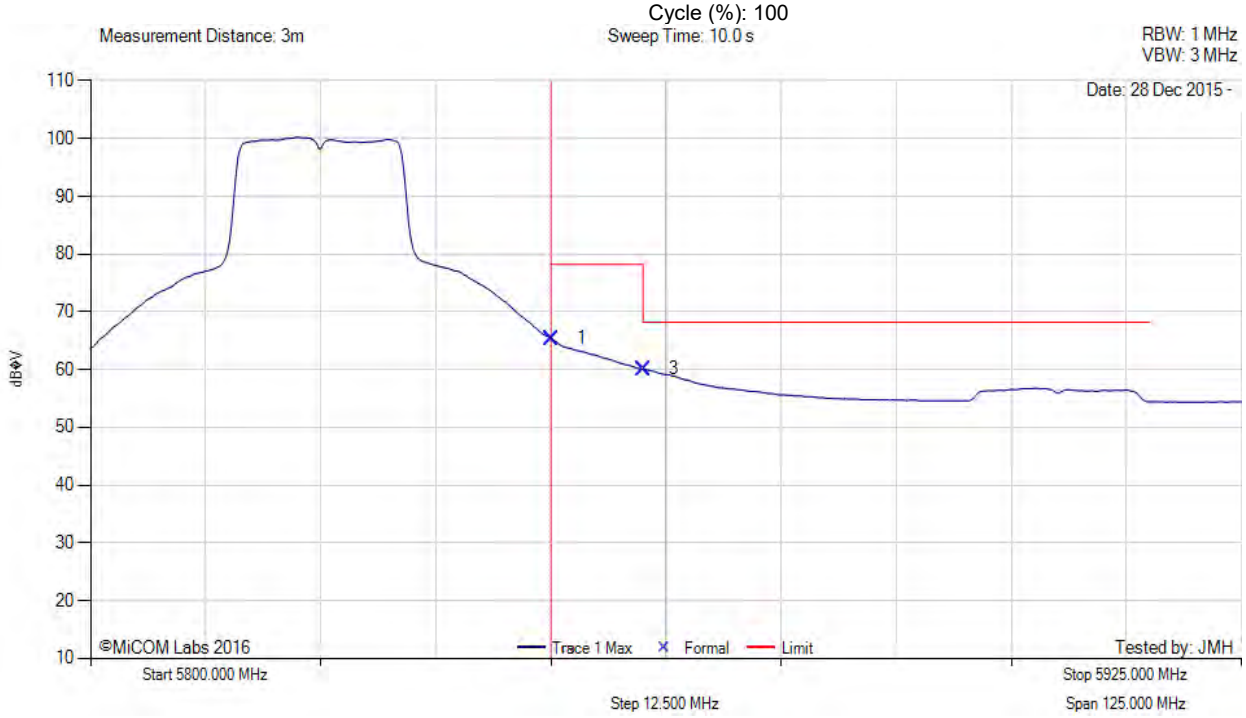
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	
2	5851.00	26.93	3.81	34.63	65.37	Marker	Horizontal	188	291	78.2	-12.9	Pass
3	5861.00	27.38	3.86	34.66	65.90	Marker	Horizontal	188	291	68.2	-2.3	Pass

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

back to matrix

5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 23, Duty Cycle (%): 100



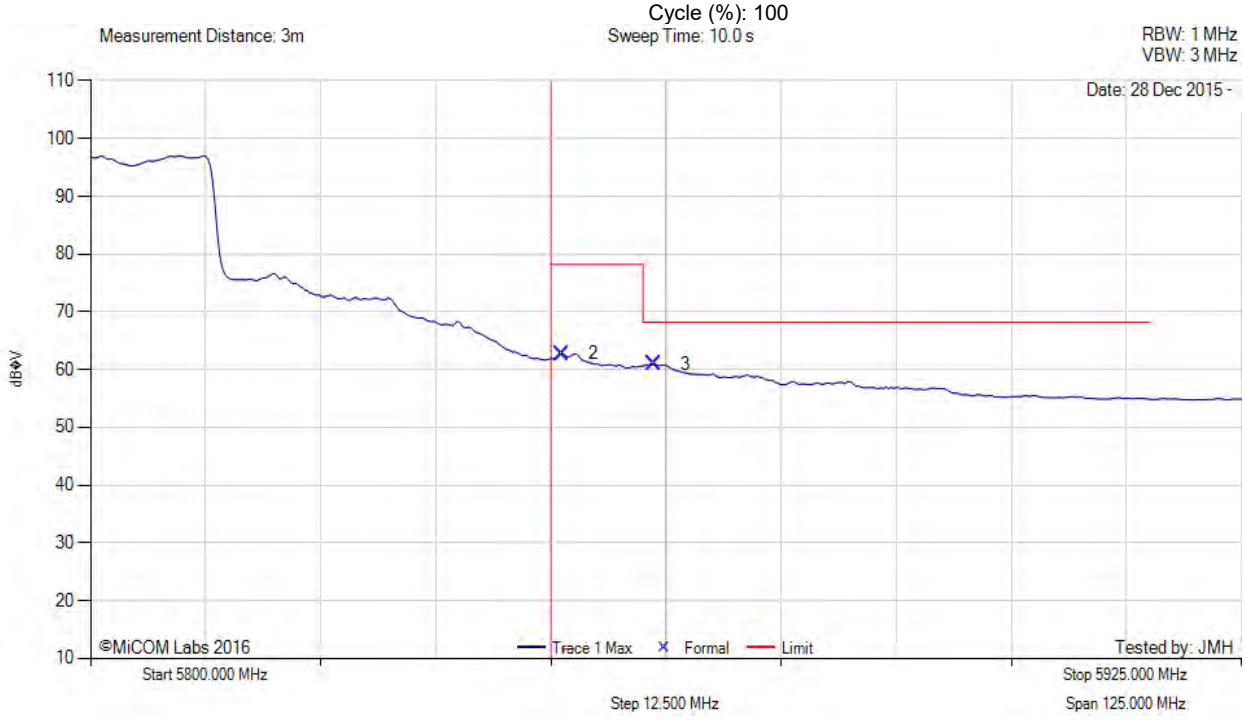
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	26.93	3.81	34.63	65.37	Marker	Horizontal	188	291	78.2	-12.9	Pass
2	5850.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	
3	5860.00	21.56	3.86	34.65	60.07	Marker	Horizontal	188	291	68.2	-8.2	Pass

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

back to matrix

5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5795.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 23, 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	--	Frequency Line 1		0	0	--	--	
2	5851.25	24.29	3.81	34.63	62.73	Marker	Horizontal	188	291	78.2	-15.5	Pass
3	5861.25	22.43	3.86	34.66	60.95	Marker	Horizontal	188	291	68.2	-7.3	Pass

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

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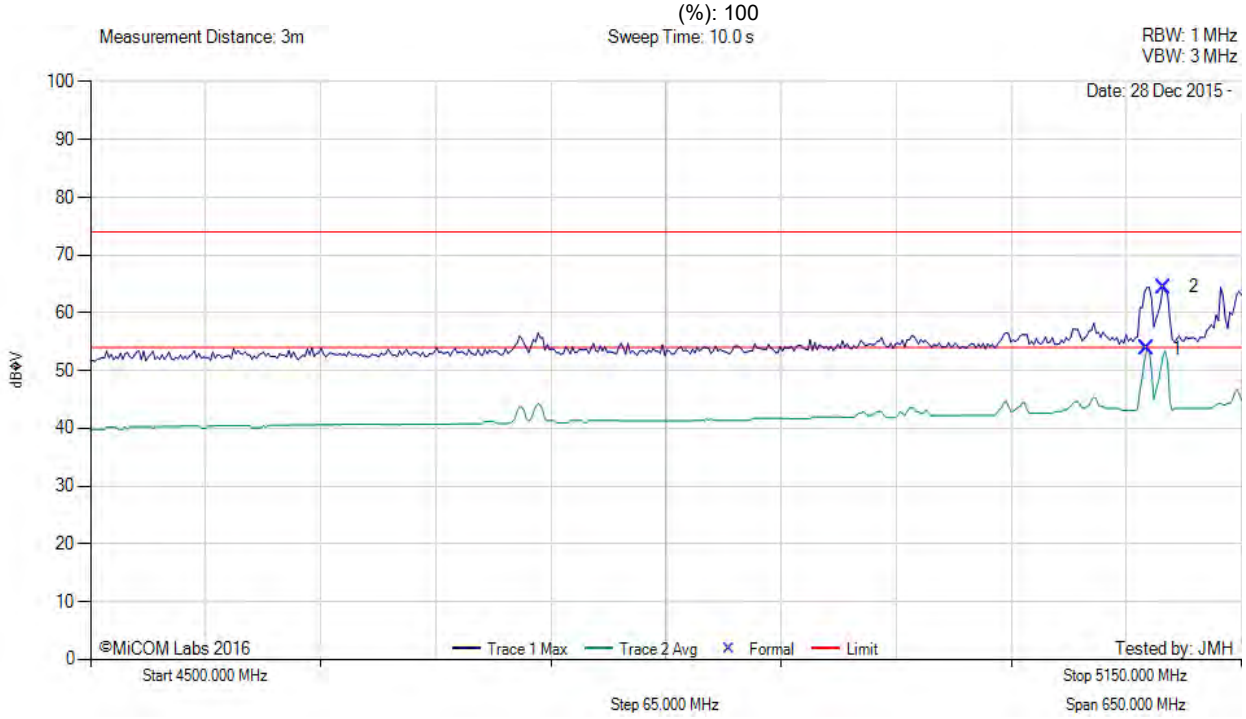
A.4.4 Antenna AP-ANT-18

RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5180.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 16.5, 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	5096.59	16.09	3.58	34.13	53.80	Max Avg	Vertical	196	39	54.0	-0.2	Pass
2	5105.71	26.74	3.57	34.13	64.44	Max Peak	Vertical	196	39	74.0	-9.6	Pass

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

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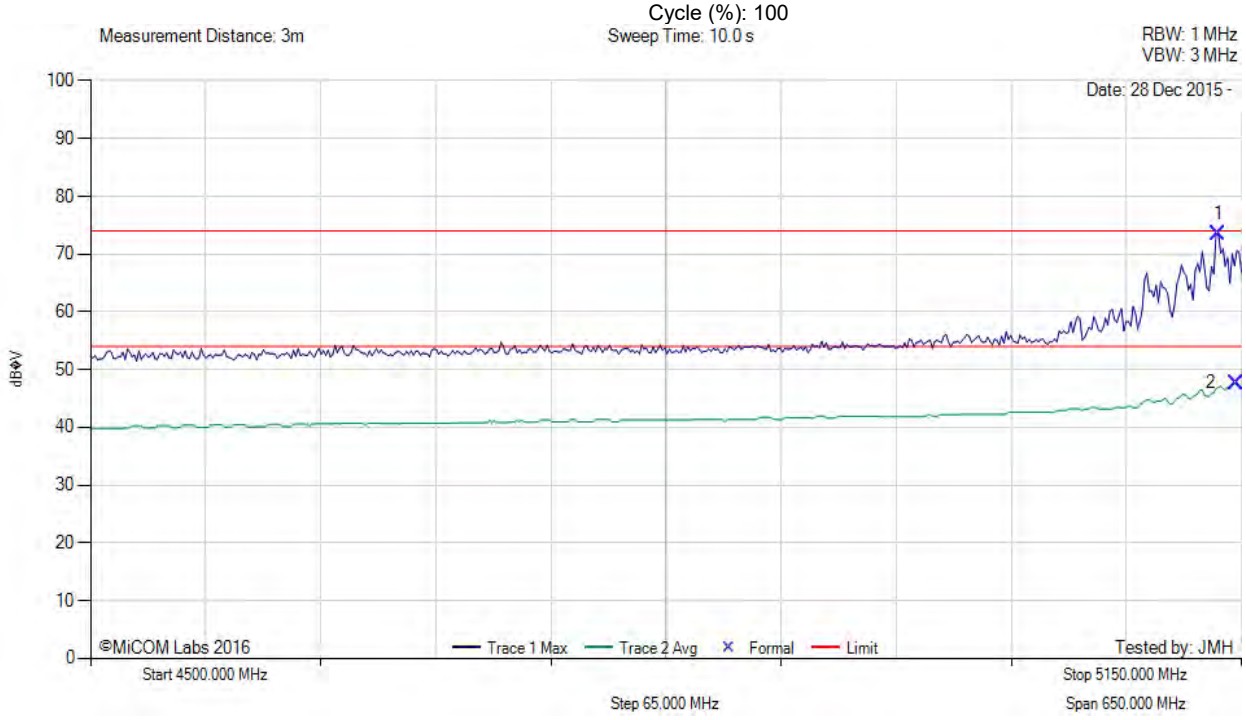
RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5210.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 17, 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	5136.97	35.70	3.69	34.12	73.51	Max Peak	Vertical	196	39	74.0	-0.5	Pass
2	5147.39	9.91	3.68	34.11	47.70	Max Avg	Vertical	196	39	54.0	-6.3	Pass

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

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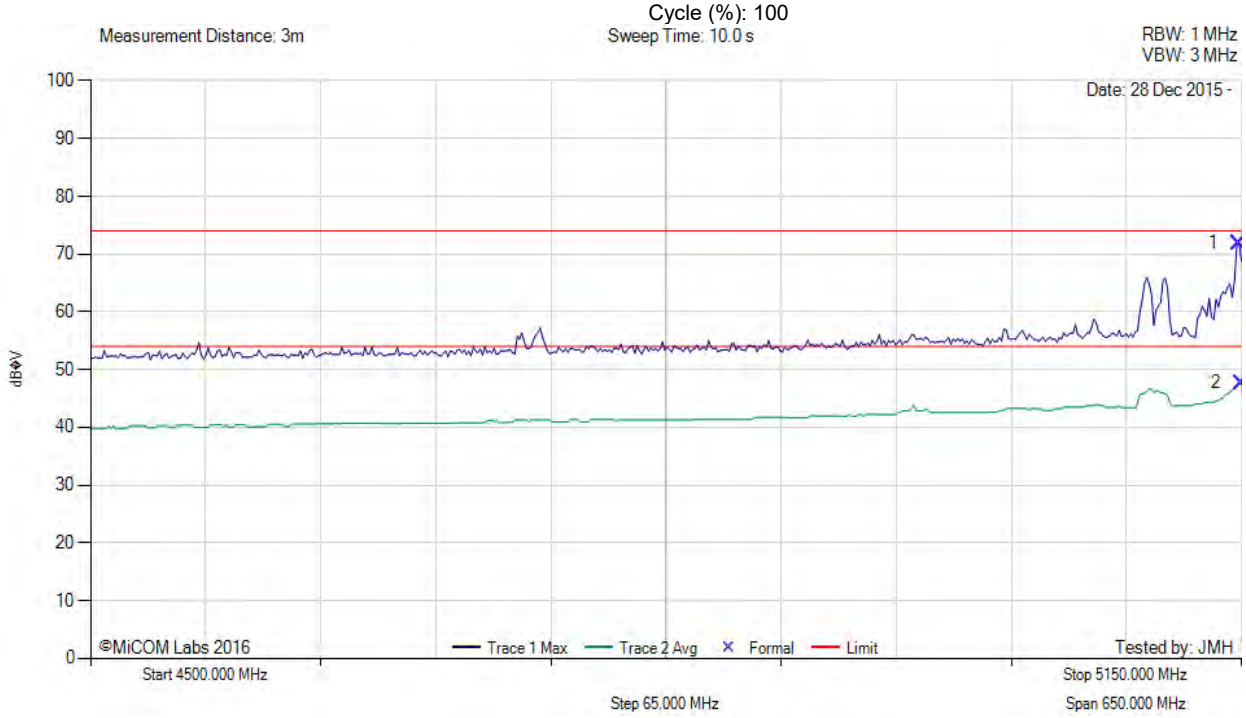
RESTRICTED LOWER BAND-EDGE EMISSIONS

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



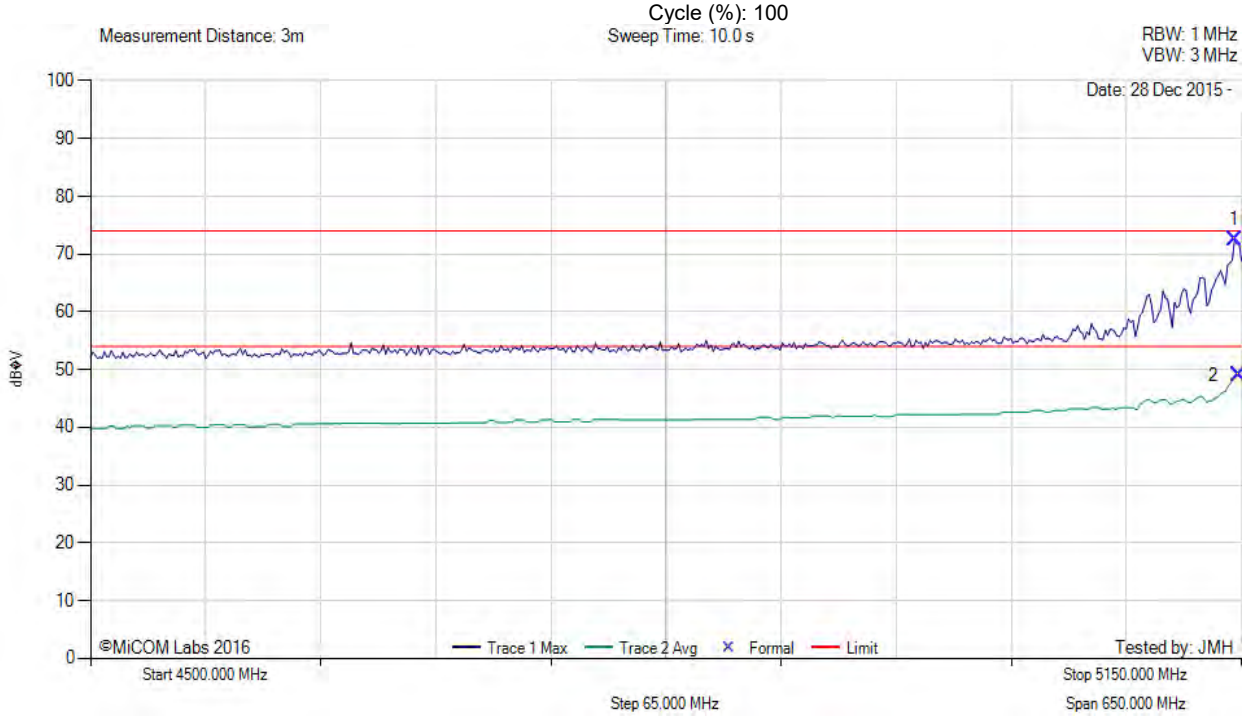
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5148.70	34.08	3.67	34.11	71.86	Max Peak	Vertical	196	39	74.0	-2.1	Pass
2	5150.00	9.93	3.67	34.11	47.71	Max Avg	Vertical	196	39	54.0	-6.3	Pass

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

back to matrix

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



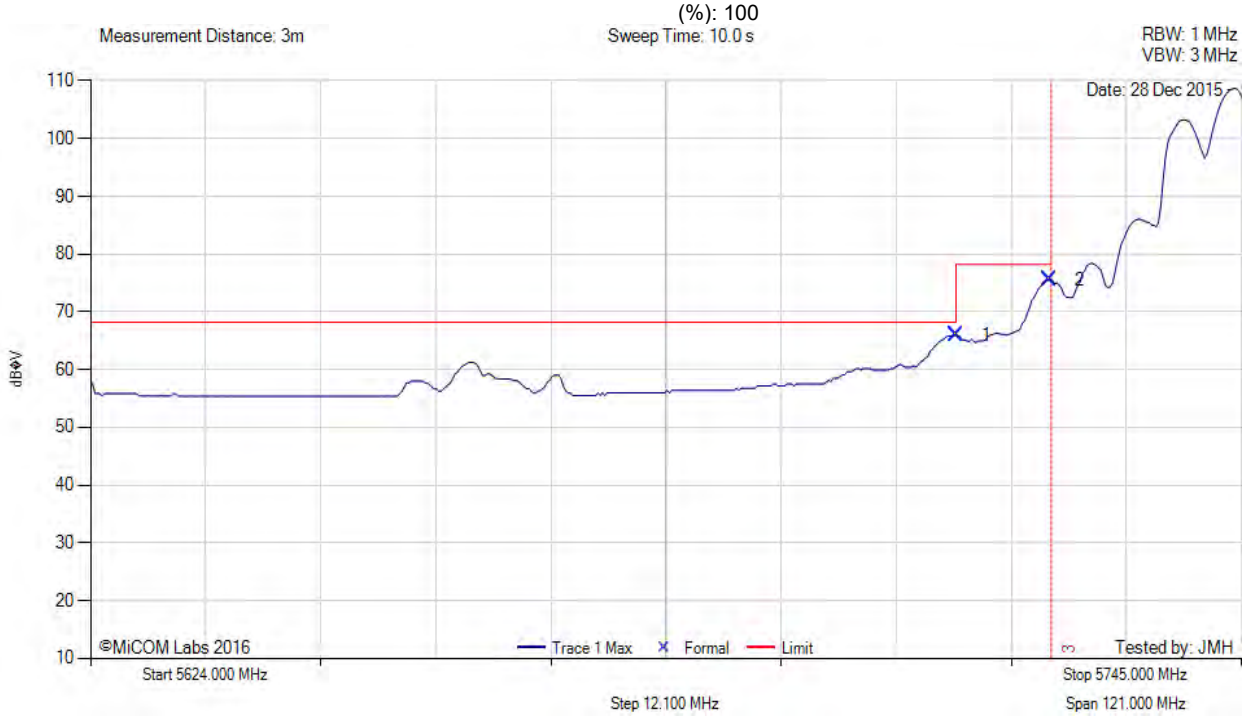
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5146.09	34.63	3.69	34.11	72.43	Max Peak	Vertical	196	39	74.0	-1.6	Pass
2	5148.70	11.29	3.67	34.11	49.07	Max Avg	Vertical	196	39	54.0	-4.9	Pass

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

back to matrix

5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 23, Duty Cycle (%): 100



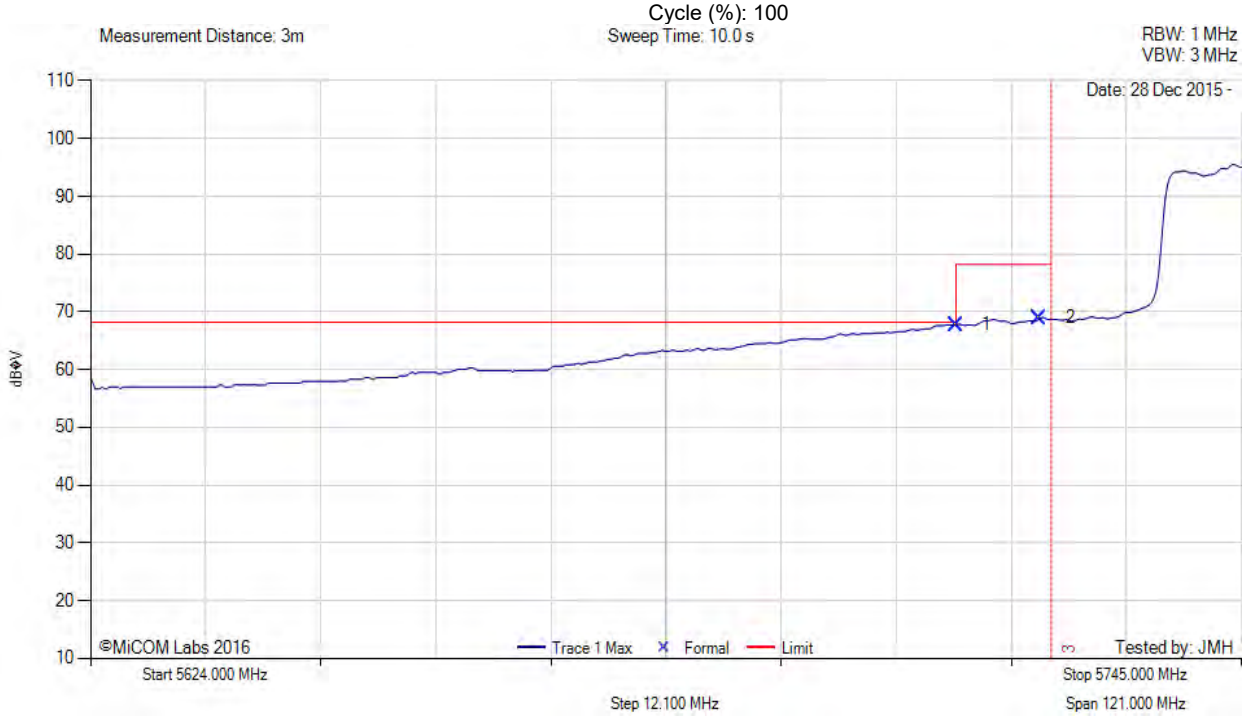
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5715.00	27.81	3.81	34.34	65.96	Marker	Vertical	191	317	68.2	-2.3	Pass
2	5724.76	37.47	3.79	34.35	75.61	Marker	Vertical	191	317	78.2	-2.6	Pass
3	5725.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	

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

back to matrix

5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 22, Duty Cycle (%): 100



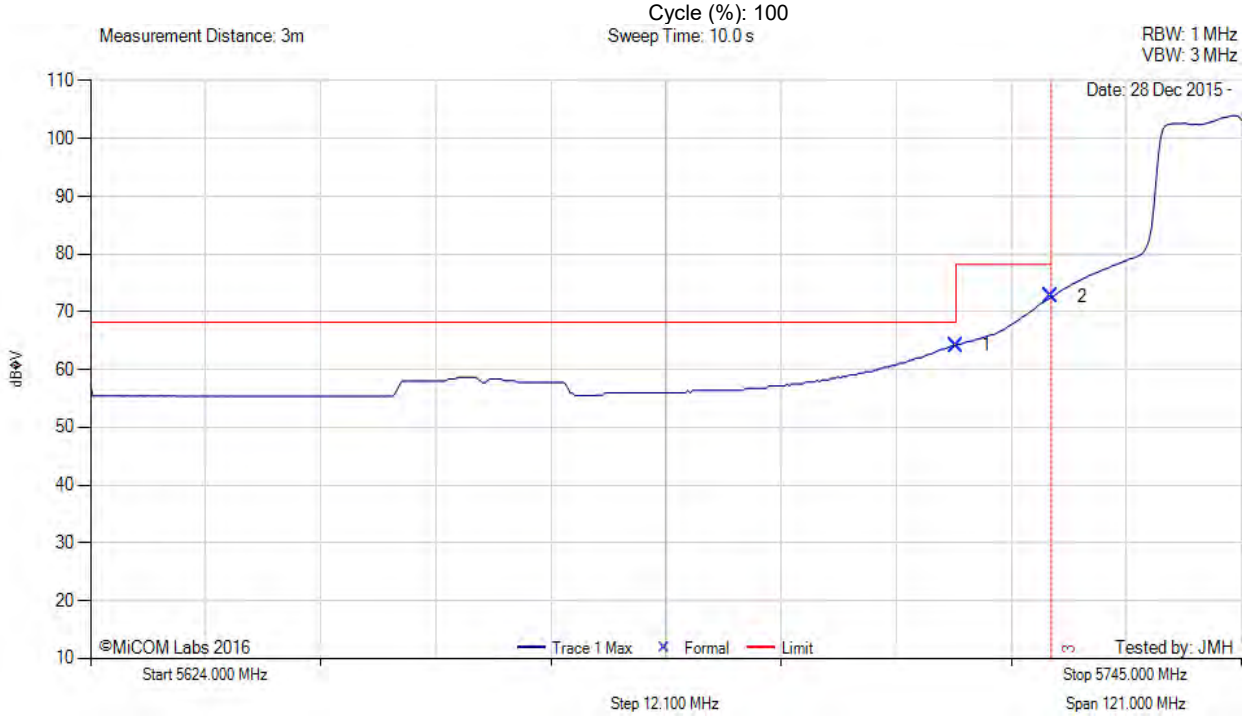
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5715.00	29.59	3.81	34.34	67.74	Marker	Vertical	191	317	68.2	-0.5	Pass
2	5723.79	30.81	3.79	34.35	68.95	Marker	Vertical	191	317	78.2	-9.3	Pass
3	5725.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	

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

back to matrix

5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 23, Duty Cycle (%): 100



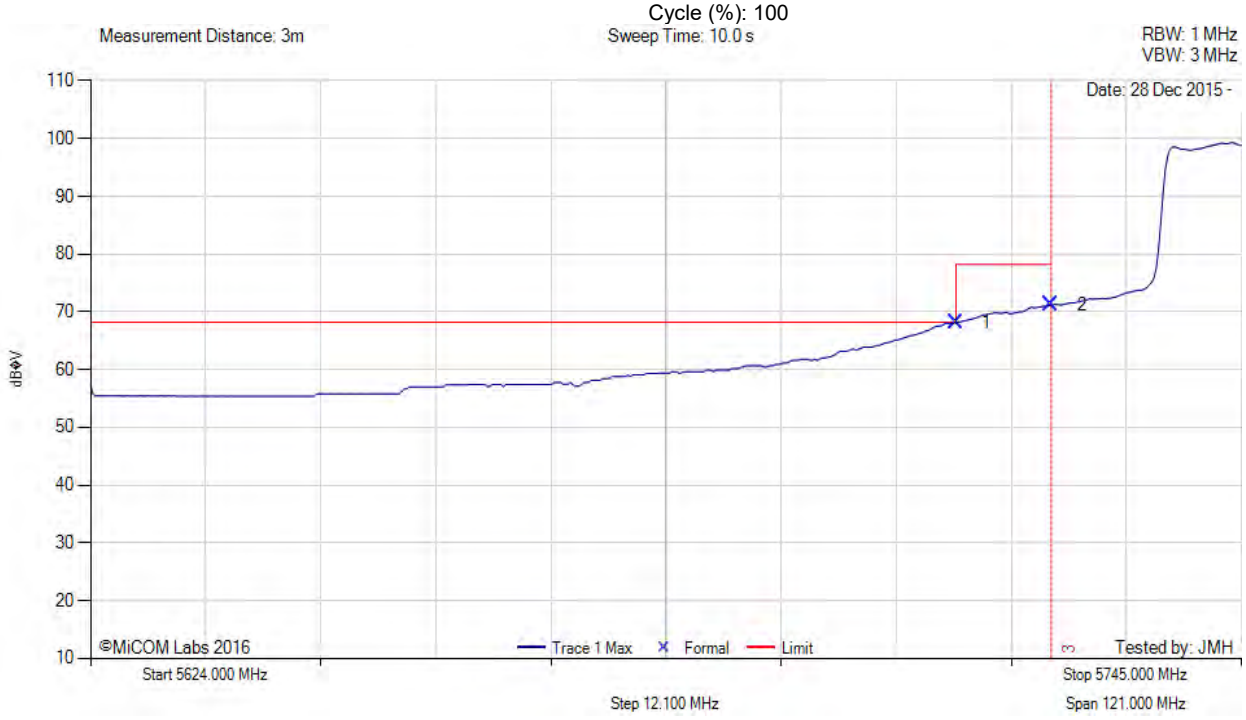
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5715.00	26.07	3.81	34.34	64.22	Marker	Vertical	191	317	68.2	-4.0	Pass
2	5725.00	34.49	3.79	34.35	72.63	Marker	Vertical	191	317	78.2	-5.6	Pass
3	5725.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	

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

back to matrix

5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5755.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 22, Duty Cycle (%): 100



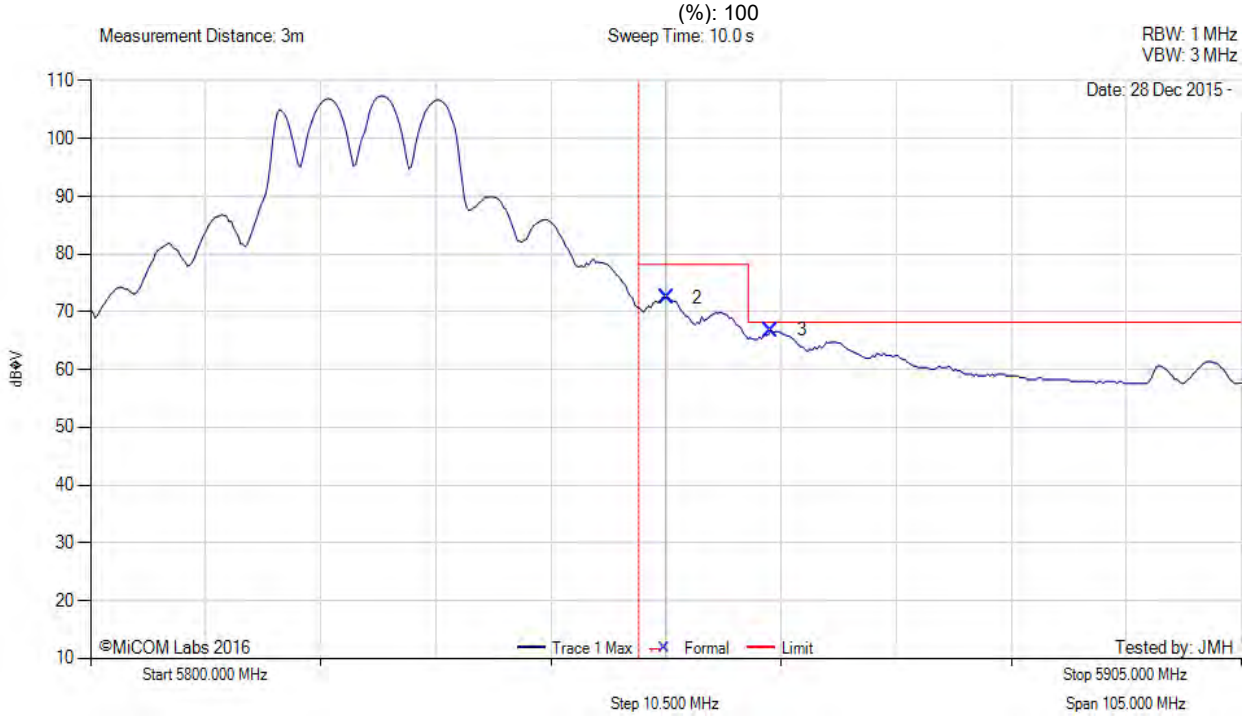
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5715.00	30.01	3.81	34.34	68.16	Marker	Vertical	191	317	68.2	-0.1	Pass
2	5725.00	33.03	3.79	34.35	71.17	Marker	Vertical	191	317	78.2	-7.1	Pass
3	5725.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	

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

back to matrix

5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 23, Duty Cycle (%): 100



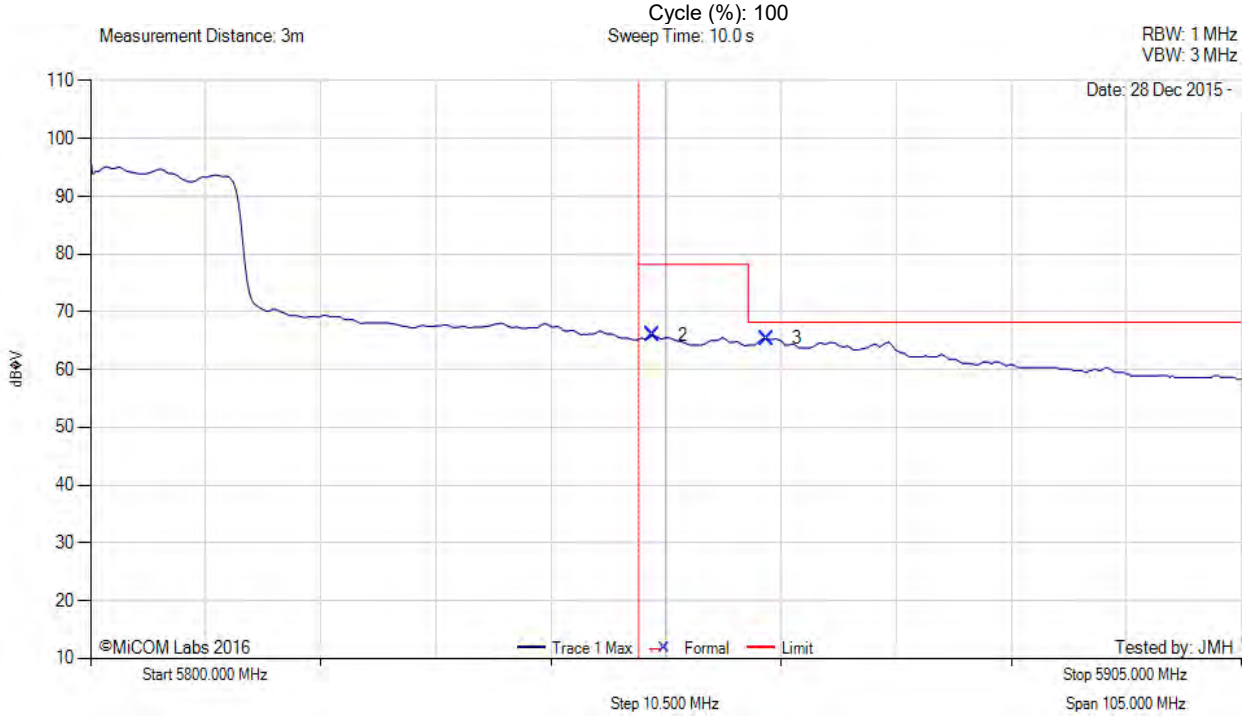
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	
2	5852.53	34.01	3.82	34.63	72.46	Marker	Vertical	180	289	78.2	-5.8	Pass
3	5862.10	28.34	3.85	34.66	66.85	Marker	Vertical	180	289	68.2	-1.4	Pass

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

back to matrix

5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 22, Duty Cycle (%): 100



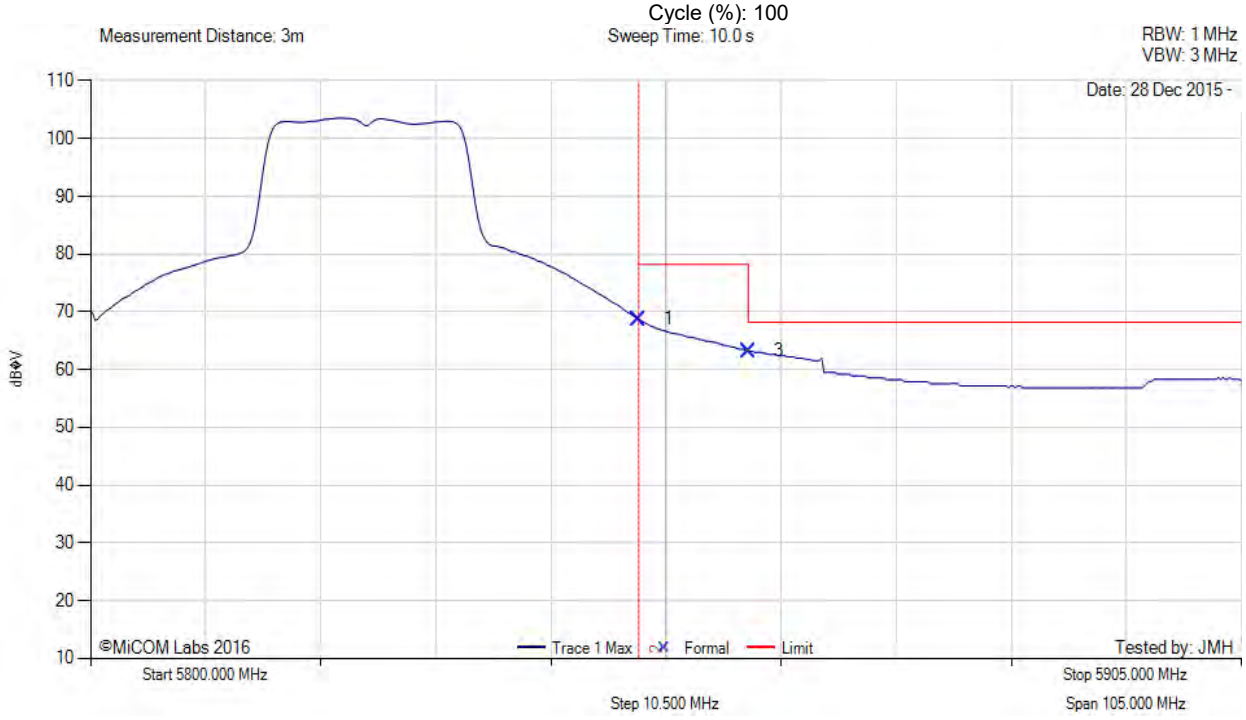
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	
2	5851.26	27.46	3.81	34.63	65.90	Marker	Vertical	180	289	78.2	-12.3	Pass
3	5861.68	26.85	3.85	34.66	65.36	Marker	Vertical	180	289	68.2	-2.9	Pass

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

back to matrix

5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 23, Duty Cycle (%): 100



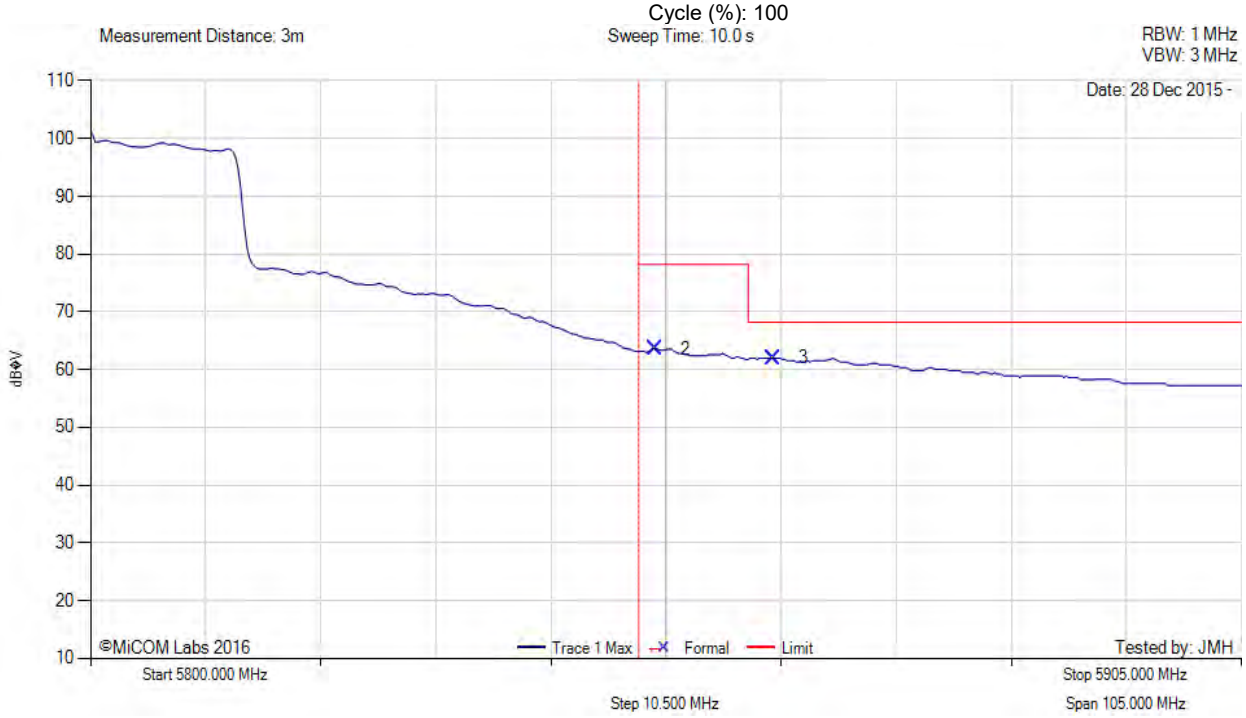
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	30.26	3.81	34.63	68.70	Marker	Vertical	180	289	78.2	-9.5	Pass
2	5850.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	
3	5860.00	24.68	3.86	34.65	63.19	Marker	Vertical	180	289	68.2	-5.0	Pass

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

back to matrix

5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5795.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 23, 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	--	Frequency Line 1		0	0	--	--	
2	5851.47	25.10	3.81	34.63	63.54	Marker	Vertical	180	289	78.2	-14.7	Pass
3	5862.31	23.48	3.85	34.66	61.99	Marker	Vertical	180	289	68.2	-6.2	Pass

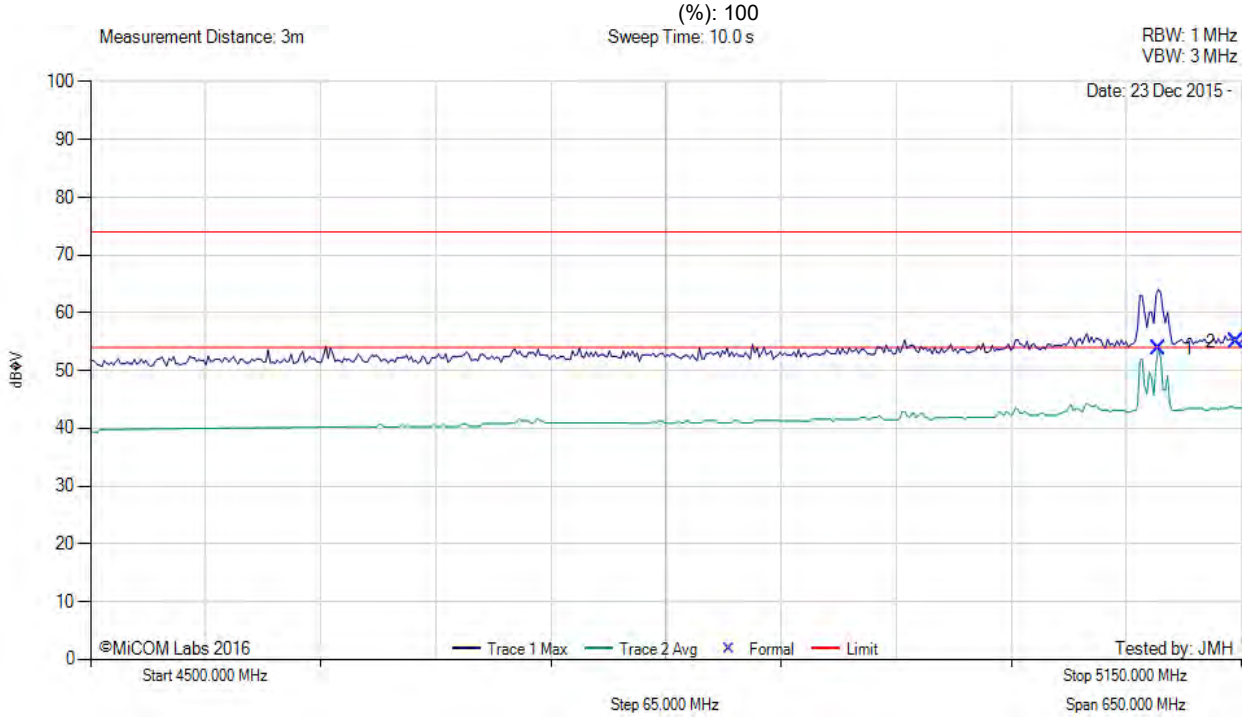
Test Notes: EUT on 150cm table, powered by PDSine 9001GR POE

back to matrix

A.4.5 Antenna AP-ANT-19

RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5180.00 MHz, Antenna: Aruba Networks AP-ANT-19, Power Setting: 11, Duty Cycle (%): 100



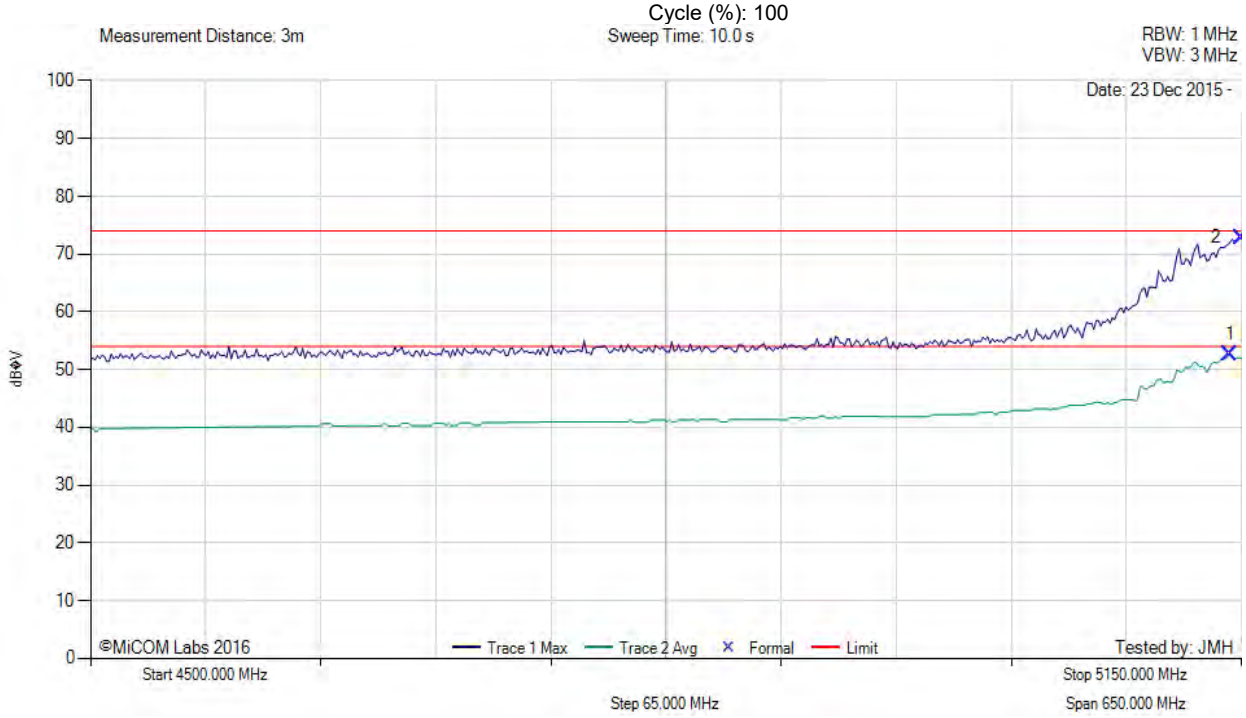
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5103.11	16.11	3.58	34.13	53.82	Max Avg	Vertical	159	38	54.0	-0.2	Pass
2	5147.39	17.30	3.68	34.11	55.09	Max Peak	Vertical	159	38	74.0	-18.9	Pass

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

back to matrix

RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5210.00 MHz, Antenna: Aruba Networks AP-ANT-19, Power Setting: 15.25, 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	5143.49	14.82	3.70	34.12	52.64	Max Avg	Vertical	159	38	54.0	-1.4	Pass
2	5150.00	35.11	3.67	34.11	72.89	Max Peak	Vertical	159	38	74.0	-1.1	Pass

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

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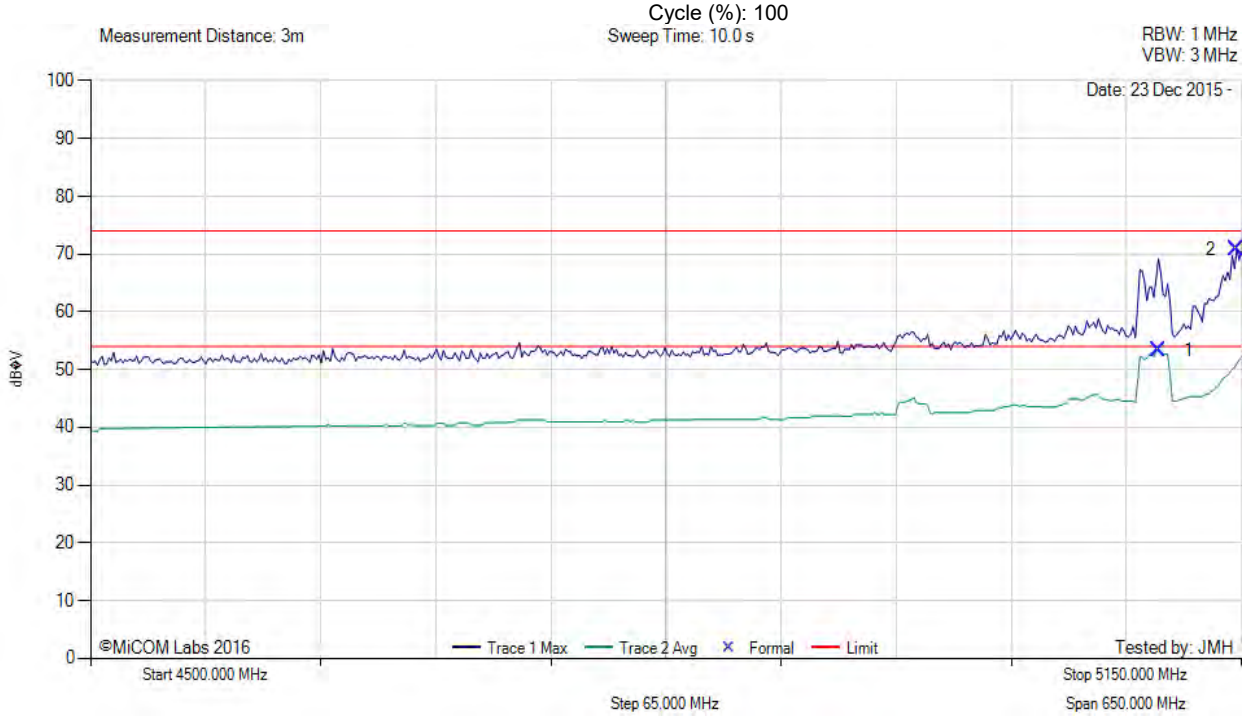
RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5180.00 MHz, Antenna: Aruba Networks AP-ANT-19, Power Setting: 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	5103.11	15.64	3.58	34.13	53.35	Max Avg	Vertical	159	38	54.0	-0.7	Pass
2	5147.39	32.97	3.68	34.11	70.76	Max Peak	Vertical	159	38	74.0	-3.2	Pass

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

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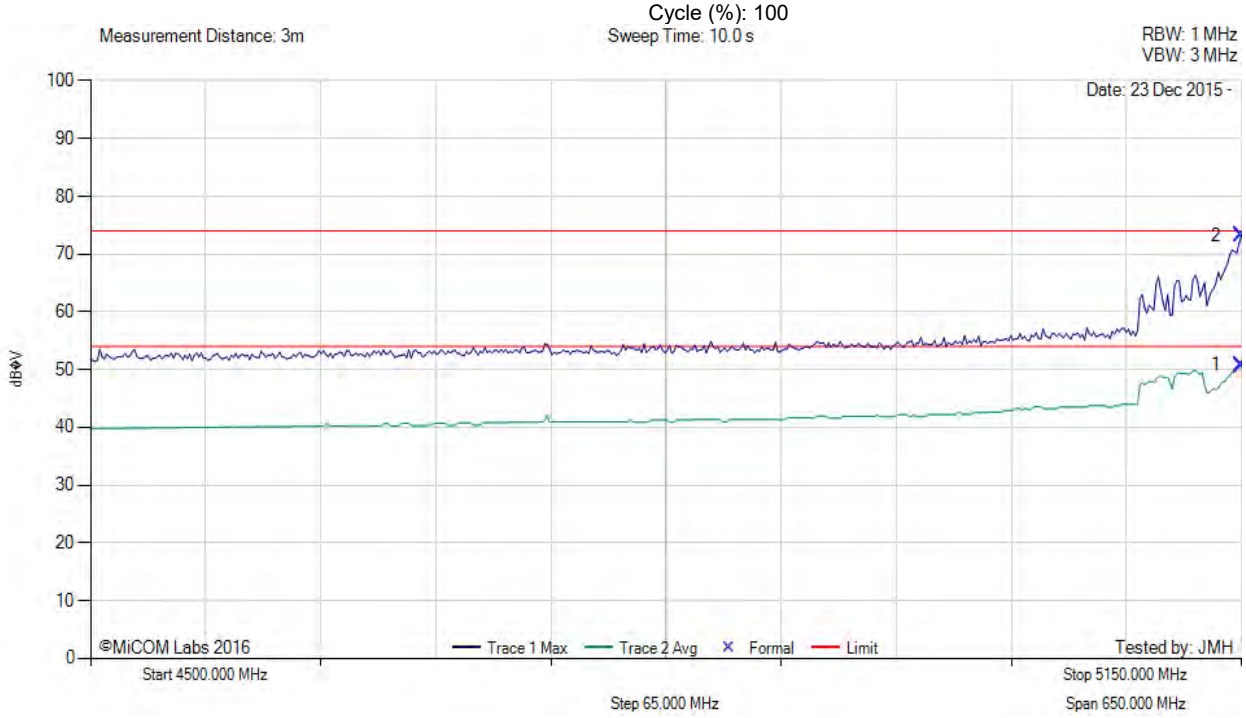
RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5190.00 MHz, Antenna: Aruba Networks AP-ANT-19, Power Setting: 15.5, Duty Cycle (%): 100



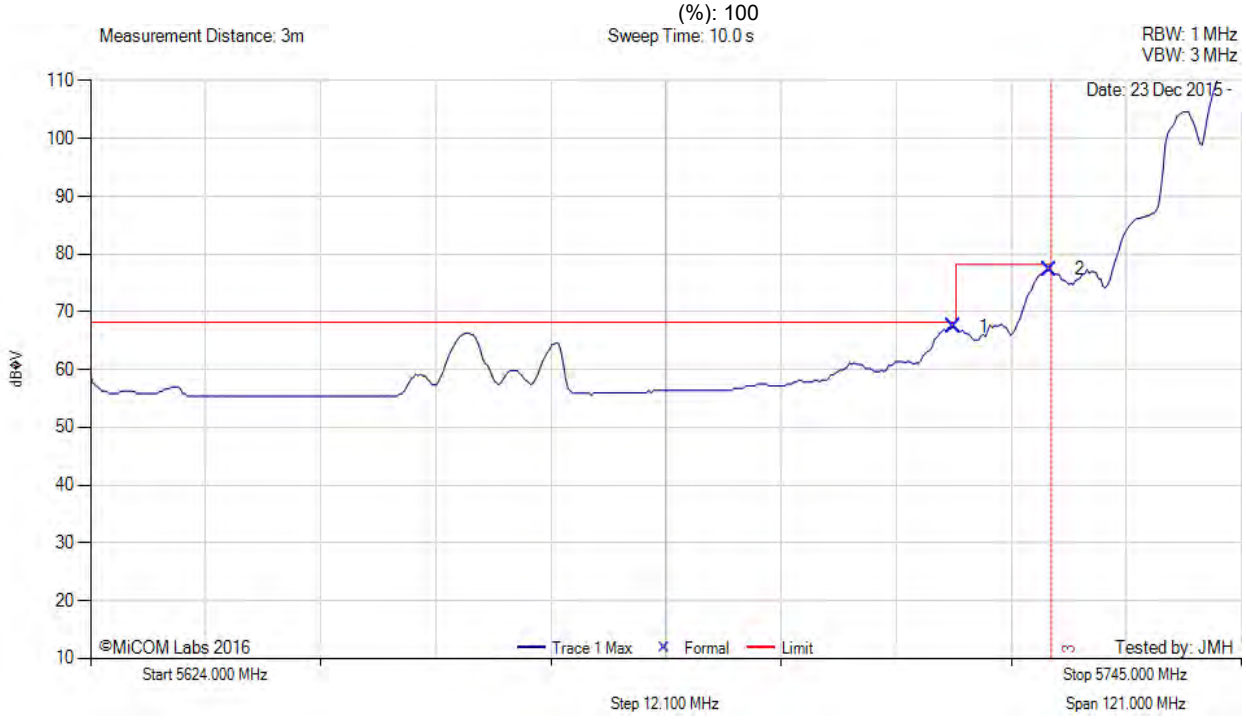
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5150.00	13.01	3.67	34.11	50.79	Max Avg	Vertical	159	38	54.0	-3.2	Pass
2	5150.00	35.43	3.67	34.11	73.21	Max Peak	Vertical	159	38	74.0	-0.8	Pass

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

back to matrix

5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-19, Power Setting: 21, Duty Cycle (%): 100



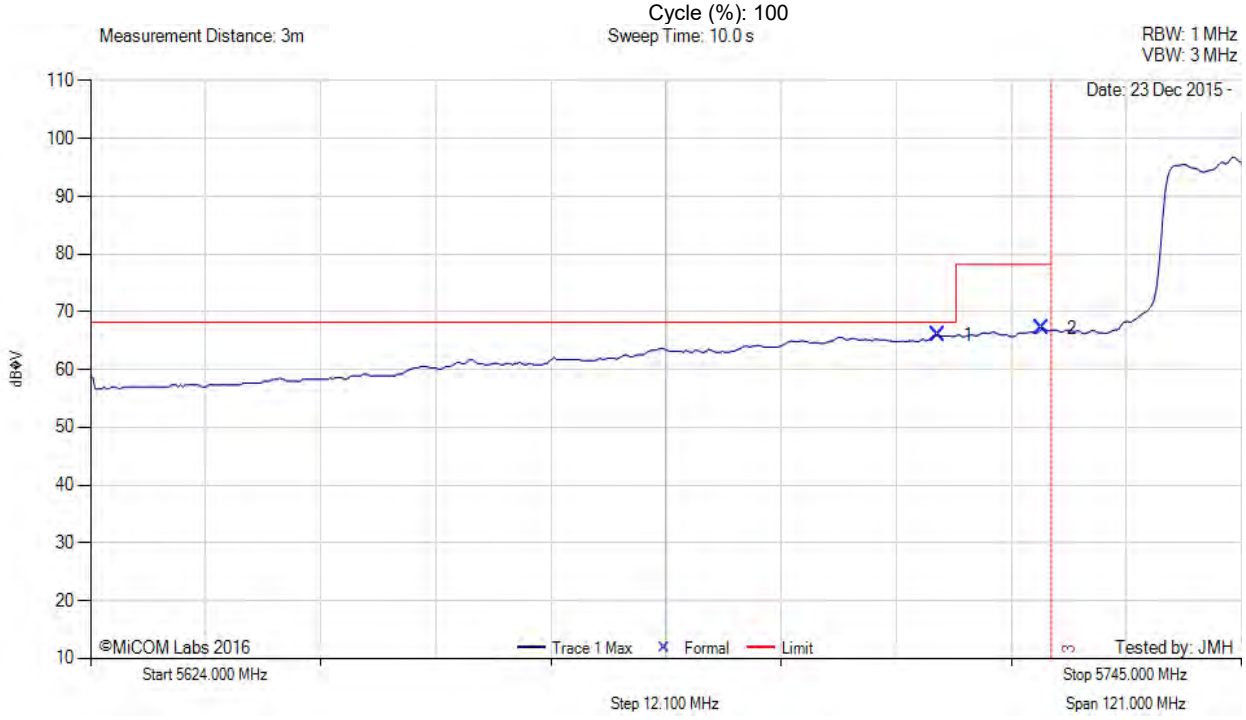
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5714.76	29.26	3.81	34.34	67.41	Marker	Vertical	152	6	68.2	-0.8	Pass
2	5724.76	39.19	3.79	34.35	77.33	Marker	Vertical	152	6	78.2	-0.9	Pass
3	5725.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	

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

back to matrix

5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: Aruba Networks AP-ANT-19, 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	5713.06	27.80	3.82	34.34	65.96	Marker	Vertical	152	6	68.2	-2.3	Pass
2	5724.03	29.06	3.79	34.35	67.20	Marker	Vertical	152	6	78.2	-11.0	Pass
3	5725.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	

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

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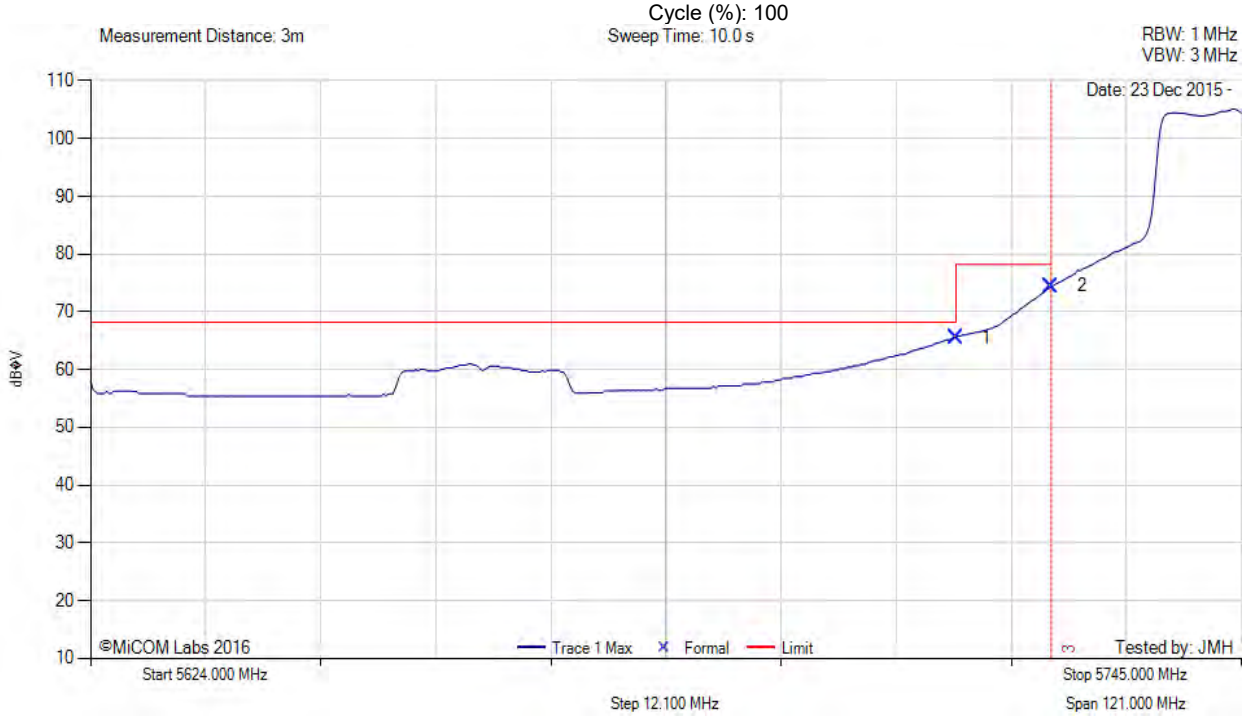
5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-19, Power Setting: 23, Duty Cycle (%): 100



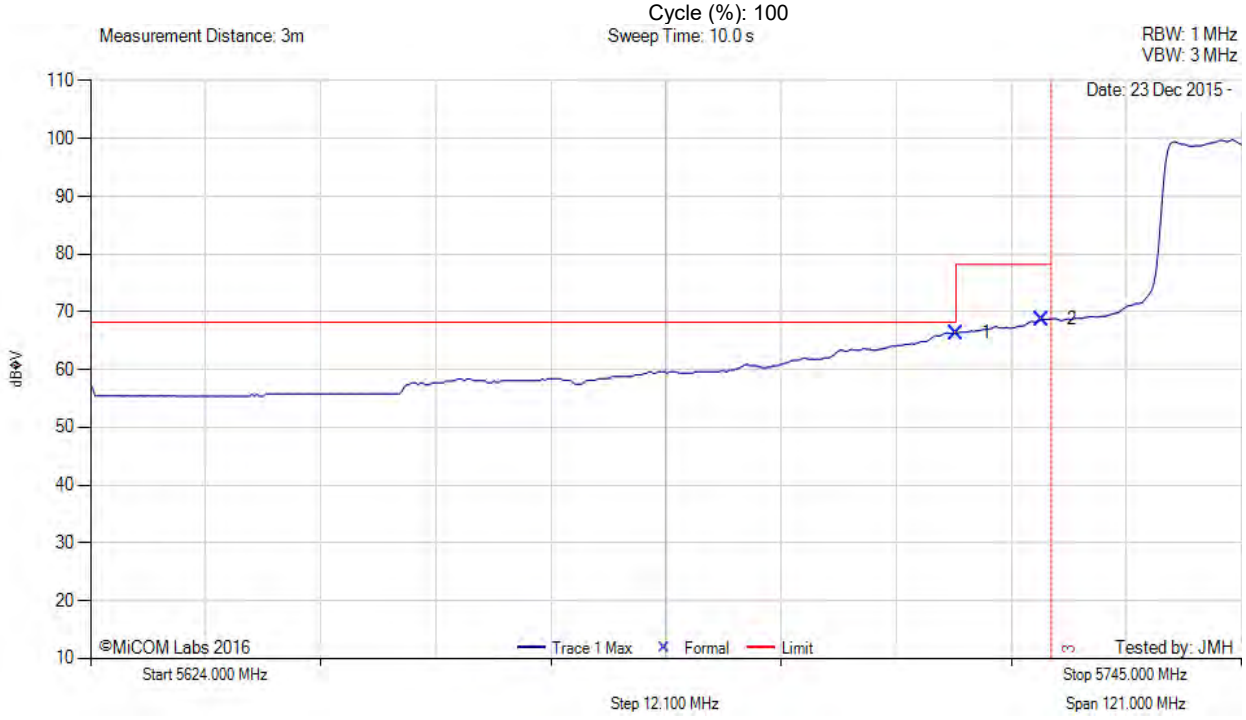
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5715.00	27.41	3.81	34.34	65.56	Marker	Vertical	152	6	68.2	-2.7	Pass
2	5725.00	36.31	3.79	34.35	74.45	Marker	Vertical	152	6	78.2	-3.8	Pass
3	5725.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	

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

back to matrix

5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5755.00 MHz, Antenna: Aruba Networks AP-ANT-19, 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	5715.00	28.20	3.81	34.34	66.35	Marker	Vertical	152	6	68.2	-1.9	Pass
2	5724.03	30.63	3.79	34.35	68.77	Marker	Vertical	152	6	78.2	-9.5	Pass
3	5725.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	

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

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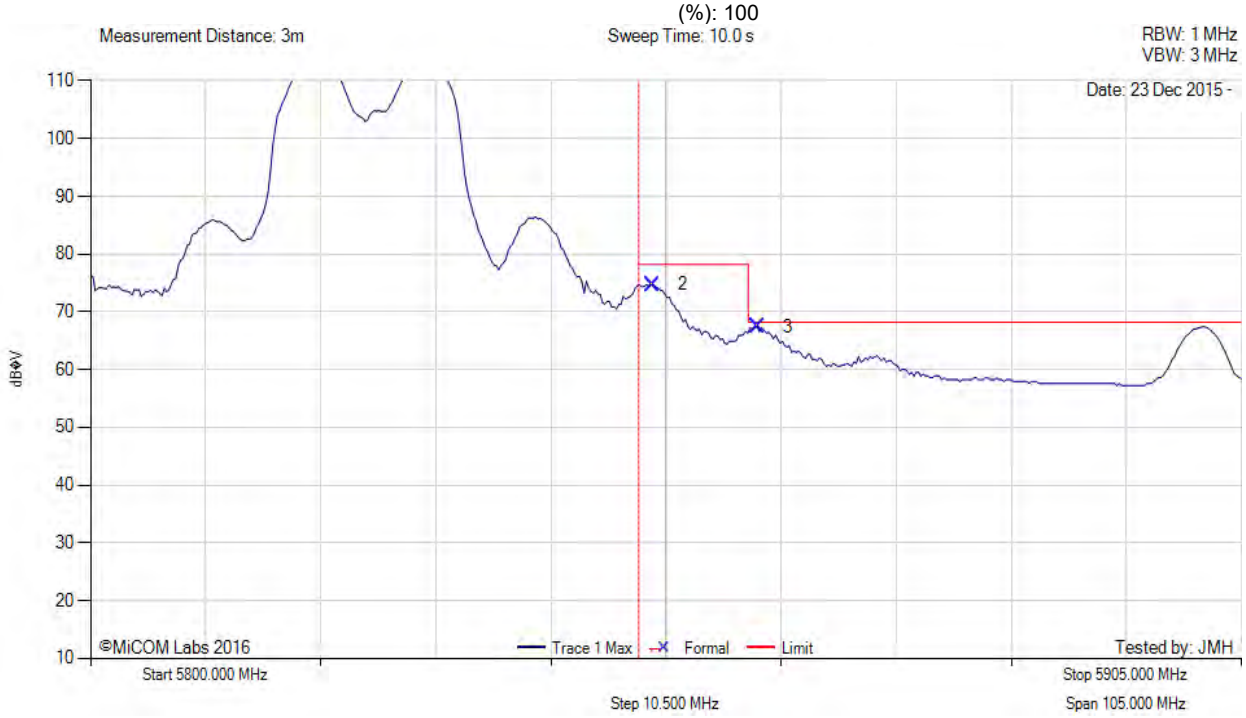
5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-19, Power Setting: 21, 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	--	Frequency Line 1		0	0	--	--	
2	5851.26	36.29	3.81	34.63	74.73	Marker	Vertical	150	362	78.2	-3.5	Pass
3	5860.84	28.92	3.86	34.66	67.44	Marker	Vertical	150	362	68.2	-0.8	Pass

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

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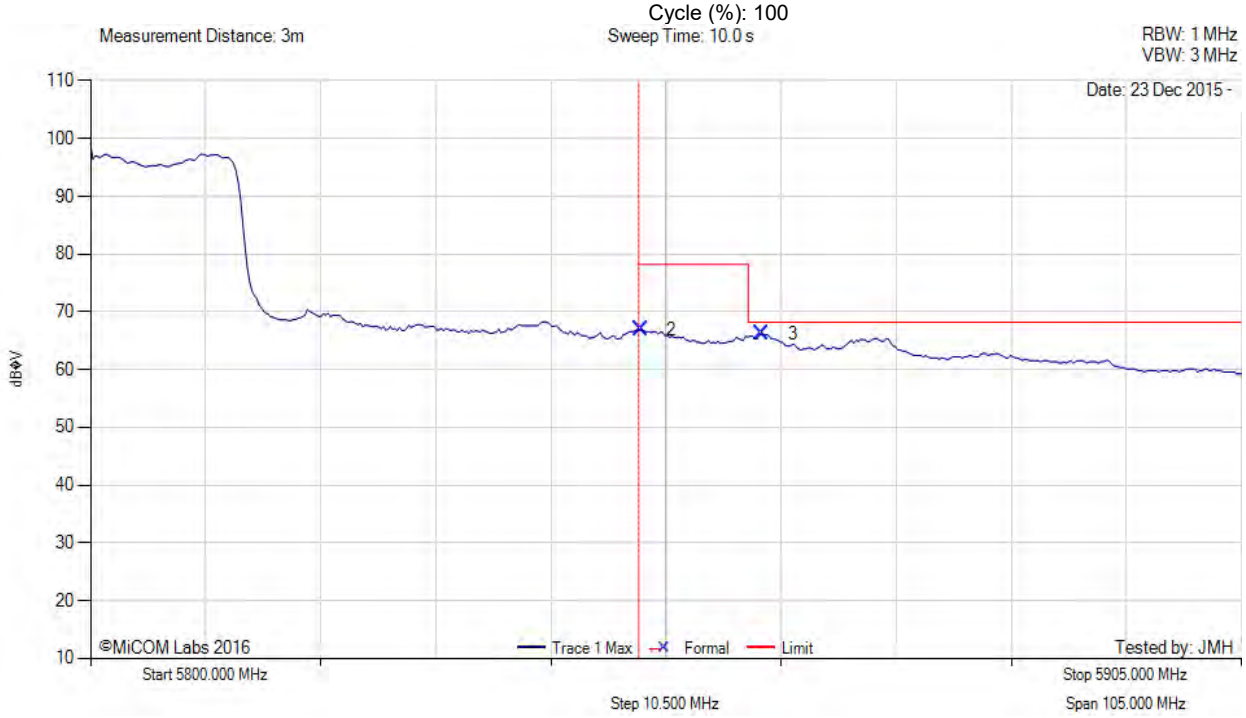
5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: Aruba Networks AP-ANT-19, Power Setting: 21, 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	--	Frequency Line 1		0	0	--	--	
2	5850.21	28.50	3.81	34.63	66.94	Marker	Vertical	150	362	78.2	-11.3	Pass
3	5861.26	27.68	3.86	34.66	66.20	Marker	Vertical	150	362	68.2	-2.0	Pass

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

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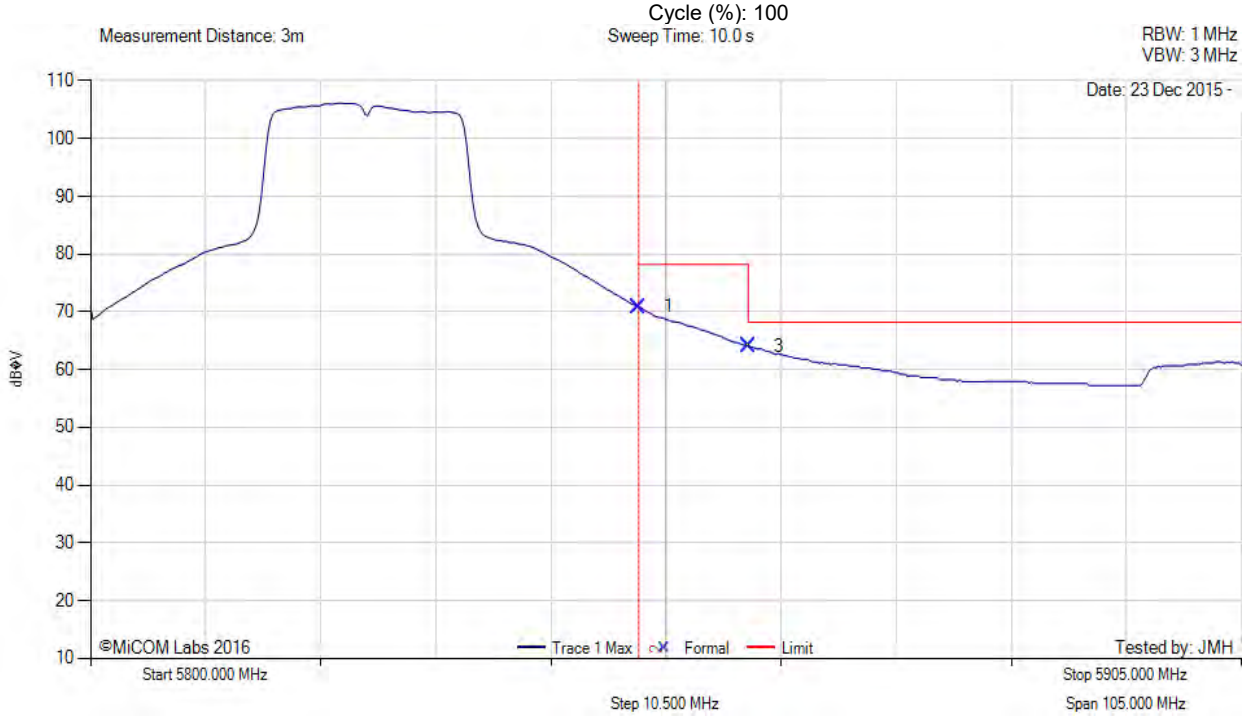
5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-19, Power Setting: 23, 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	32.46	3.81	34.63	70.90	Marker	Vertical	150	362	78.2	-7.3	Pass
2	5850.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	
3	5860.00	25.58	3.86	34.65	64.09	Marker	Vertical	150	362	68.2	-4.1	Pass

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

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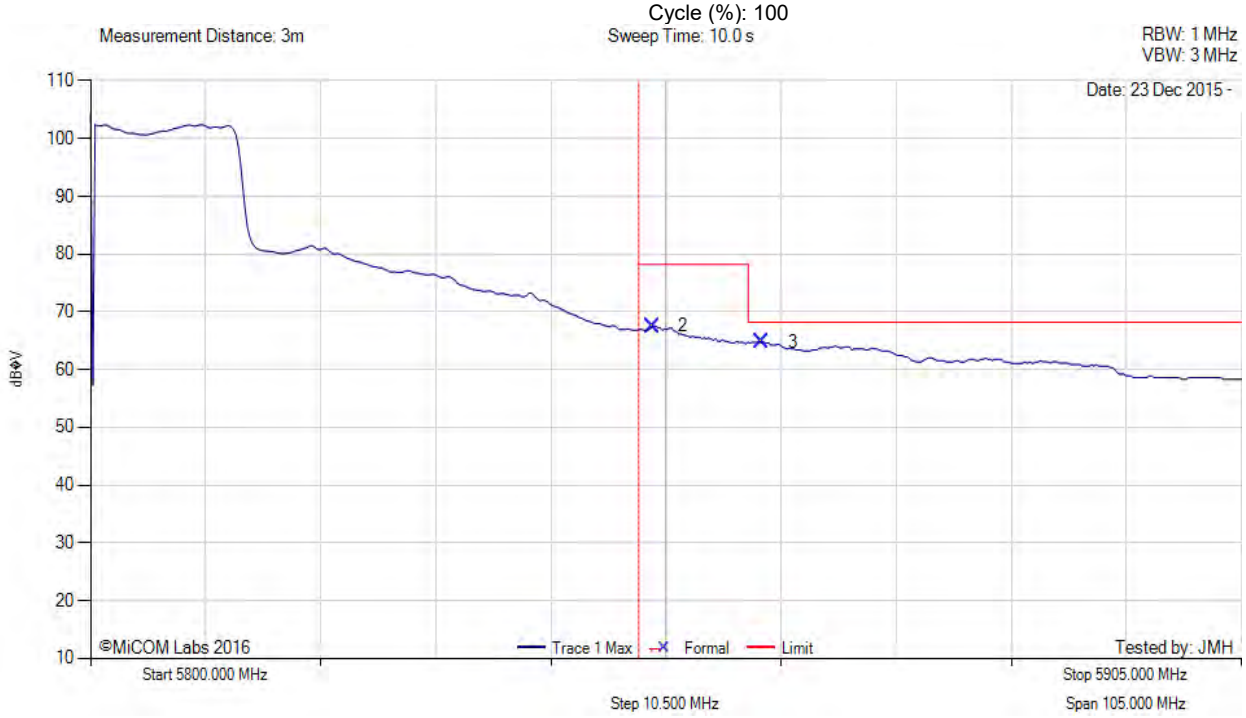
5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5795.00 MHz, Antenna: Aruba Networks AP-ANT-19, Power Setting: 23, 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	--	Frequency Line 1		0	0	--	--	
2	5851.26	29.09	3.81	34.63	67.53	Marker	Vertical	150	362	78.2	-10.7	Pass
3	5861.26	26.23	3.86	34.66	64.75	Marker	Vertical	150	362	68.2	-3.5	Pass

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

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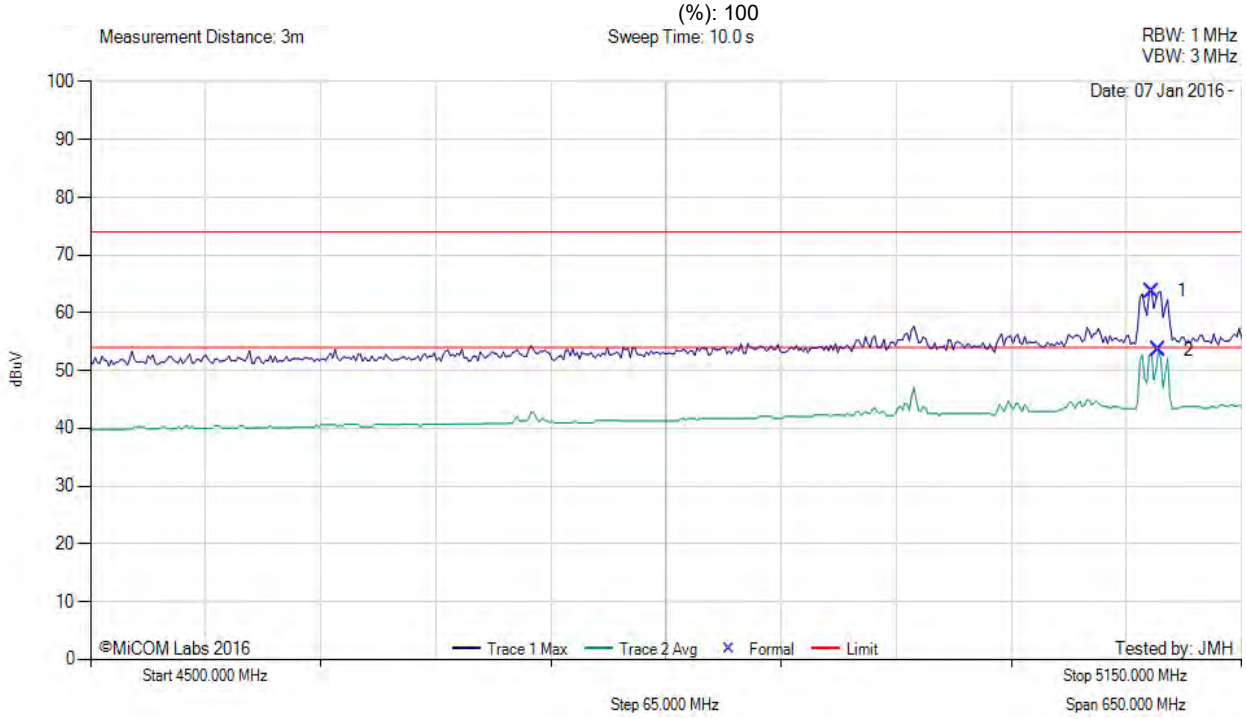
A.4.6 Antenna Integral (APIN0225)

RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5180.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 10, 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	5099.20	26.02	3.58	34.13	63.73	Max Peak	Horizontal	152	79	74.0	-10.3	Pass
2	5103.11	15.83	3.58	34.13	53.54	Max Avg	Horizontal	152	79	54.0	-0.5	Pass

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

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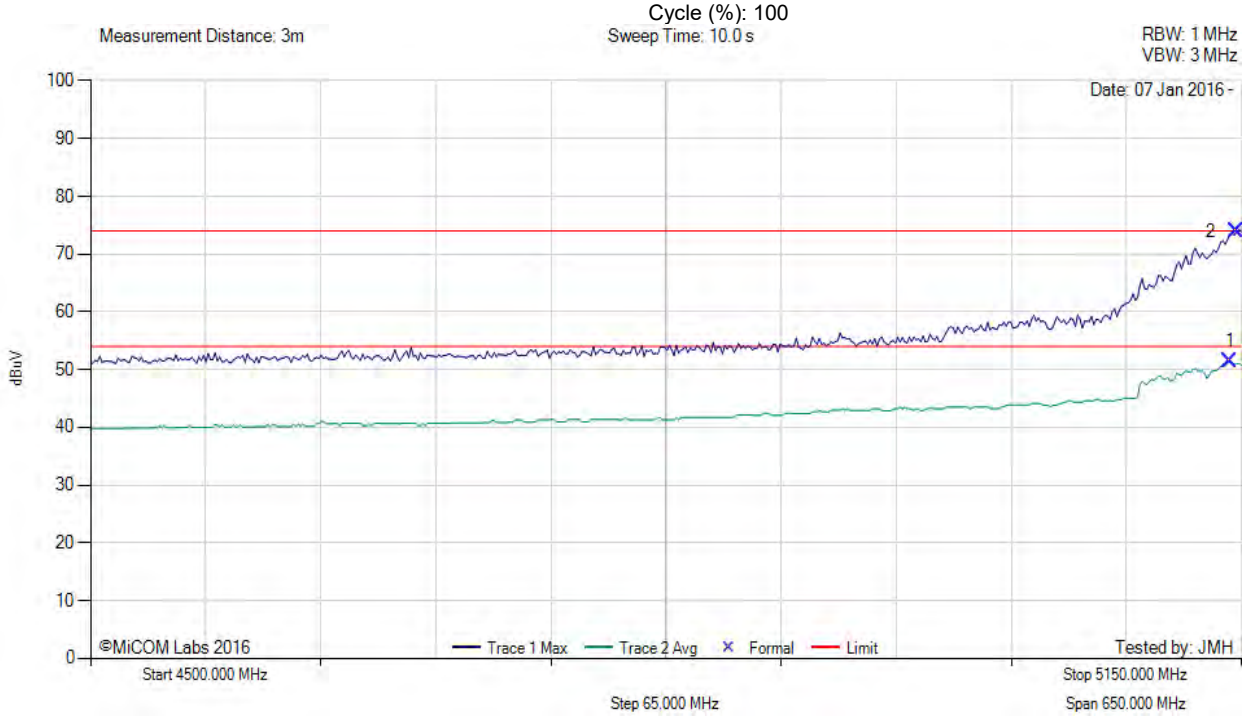
RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5210.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 14, 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	5143.49	13.58	3.70	34.12	51.40	Max Avg	Horizontal	152	79	54.0	-2.6	Pass
2	5147.39	36.19	3.68	34.11	73.98	Max Peak	Horizontal	152	79	74.0	0.0	Pass

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

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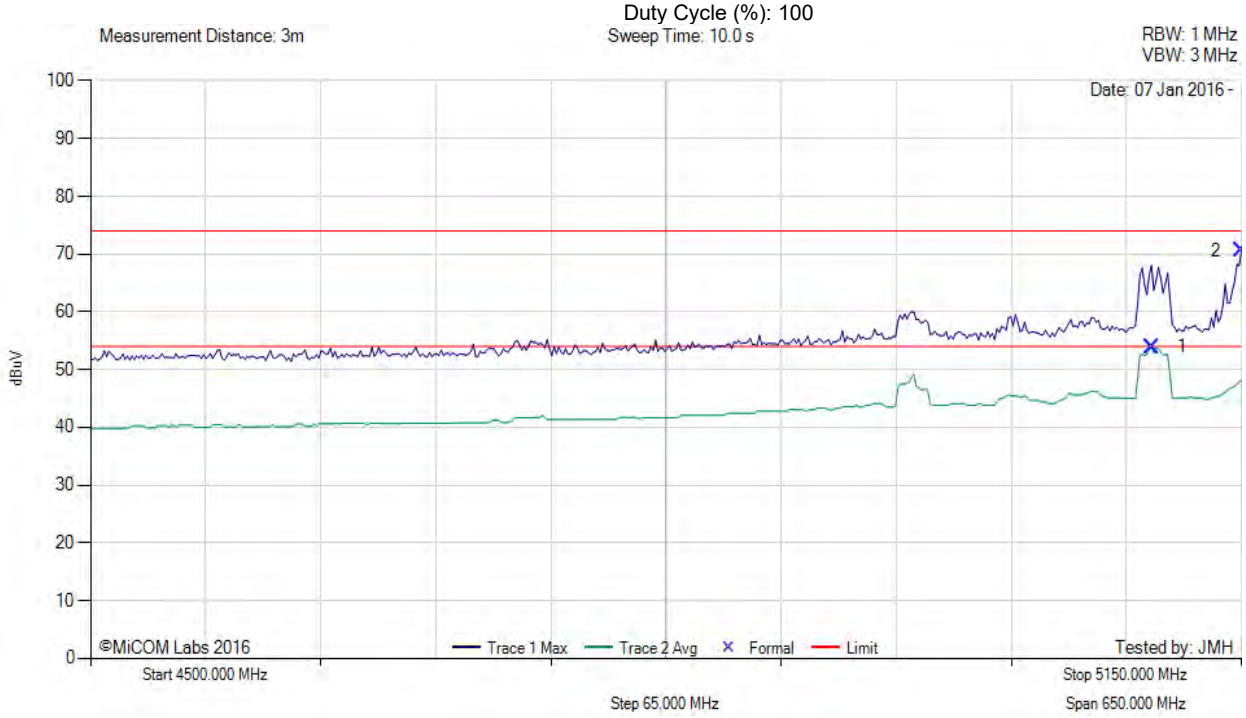
RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5180.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 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	5099.20	16.19	3.58	34.13	53.90	Max Avg	Horizontal	152	79	54.0	-0.1	Pass
2	5150.00	32.77	3.67	34.11	70.55	Max Peak	Horizontal	152	79	74.0	-3.5	Pass

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

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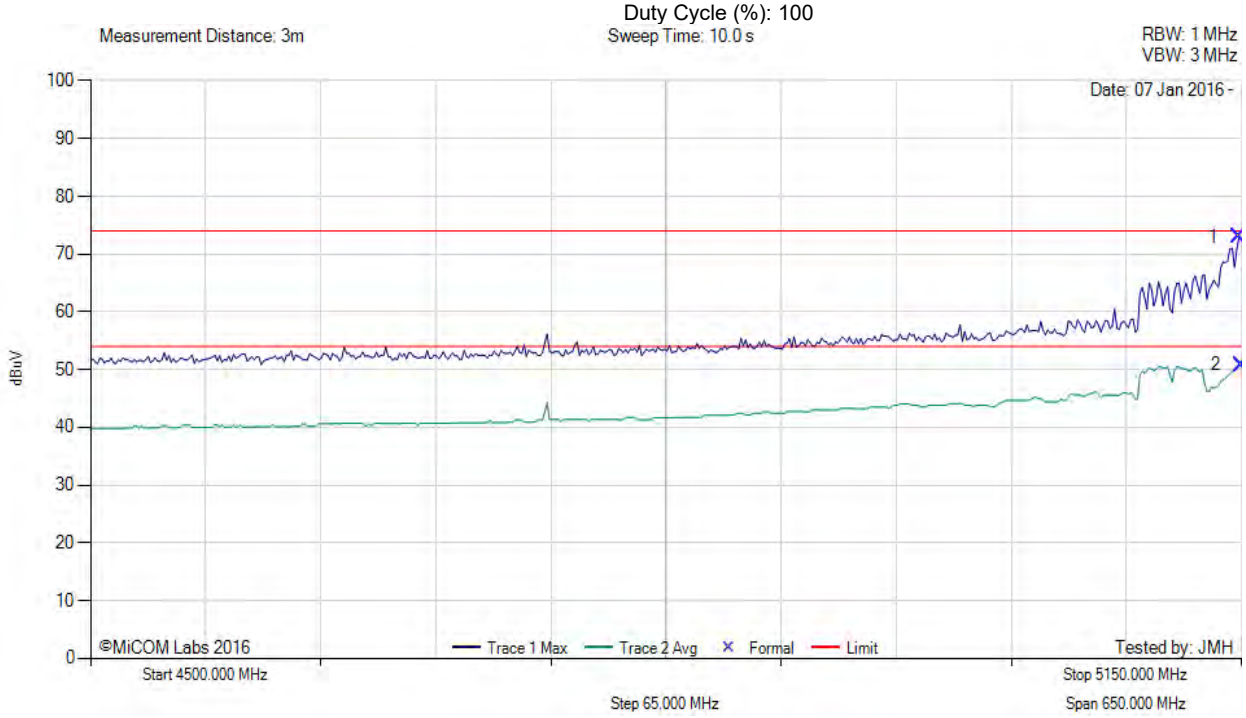
RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5190.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 15.25, 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	35.26	3.67	34.11	73.04	Max Peak	Horizontal	152	79	74.0	-1.0	Pass
2	5150.00	13.01	3.67	34.11	50.79	Max Avg	Horizontal	152	79	54.0	-3.2	Pass

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

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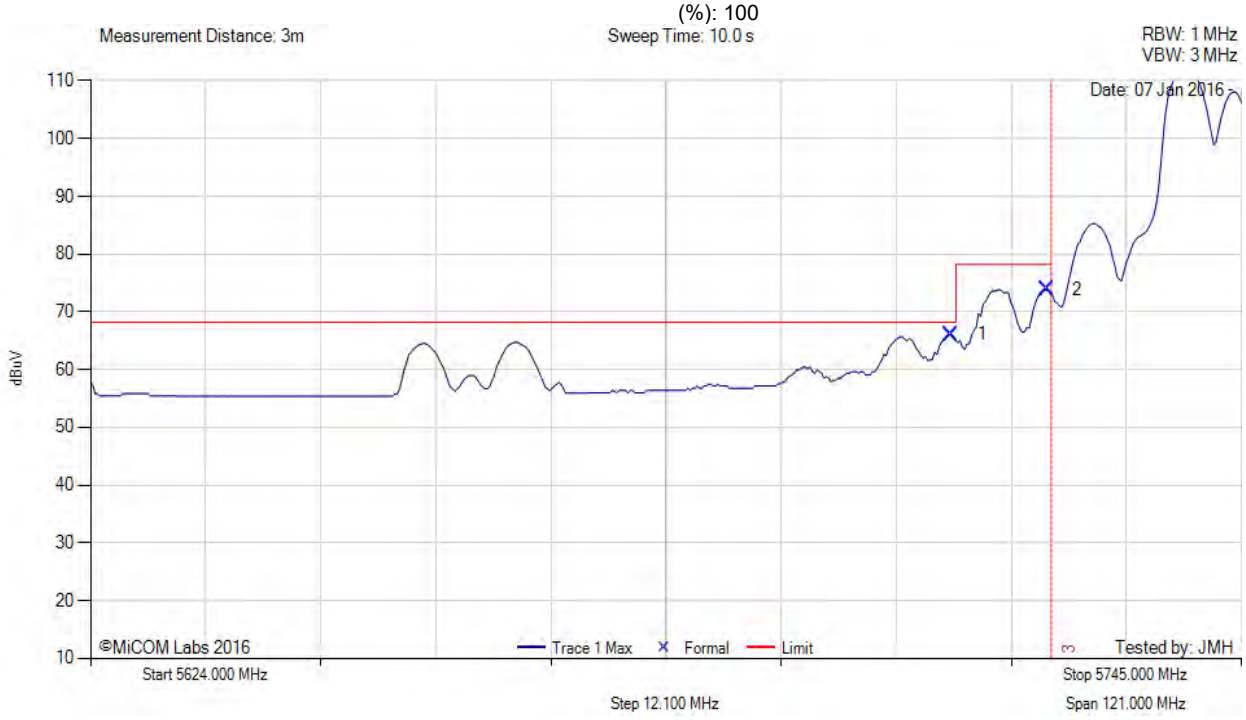
5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 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	5714.52	27.94	3.81	34.34	66.09	Marker	Horizontal	163	86	68.2	-2.1	Pass
2	5724.52	35.74	3.79	34.35	73.88	Marker	Horizontal	163	86	78.2	-4.4	Pass
3	5725.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	

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

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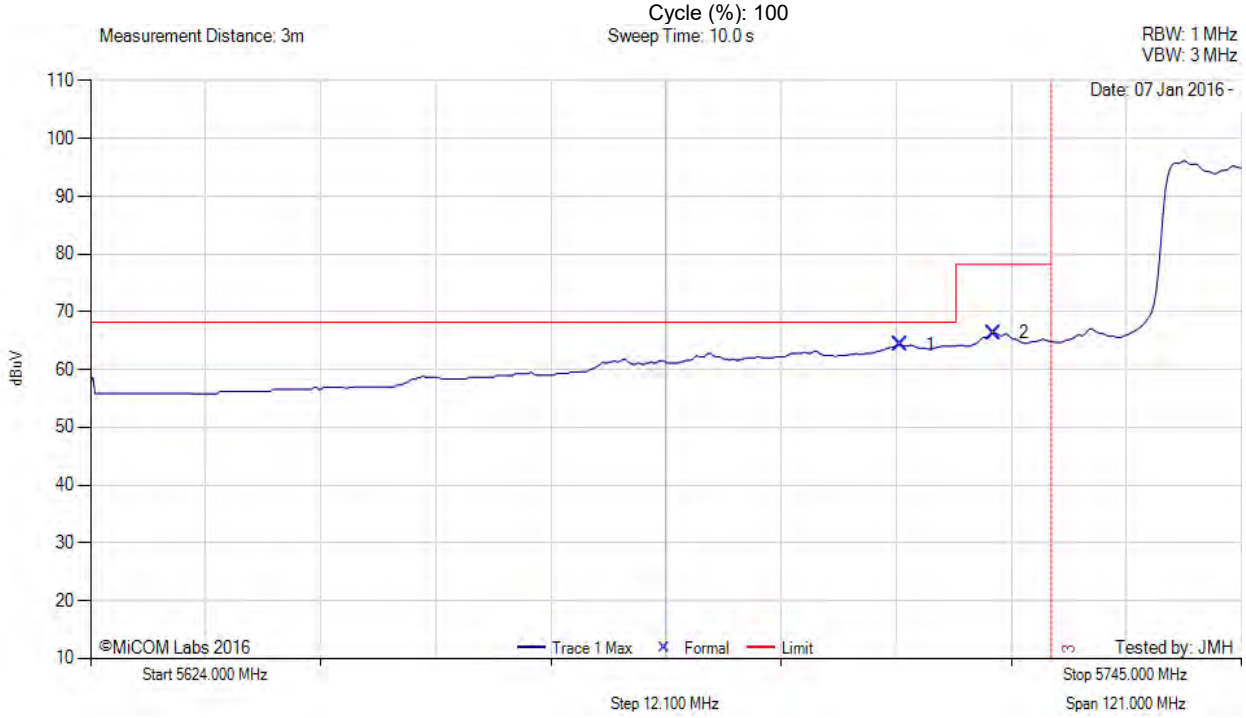
5725 MHz RADIATED BAND-EDGE EMISSIONS

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	5709.18	26.19	3.84	34.34	64.37	Marker	Horizontal	163	86	68.2	-3.9	Pass
2	5718.94	28.21	3.80	34.34	66.35	Marker	Horizontal	163	86	78.2	-11.9	Pass
3	5725.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	

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

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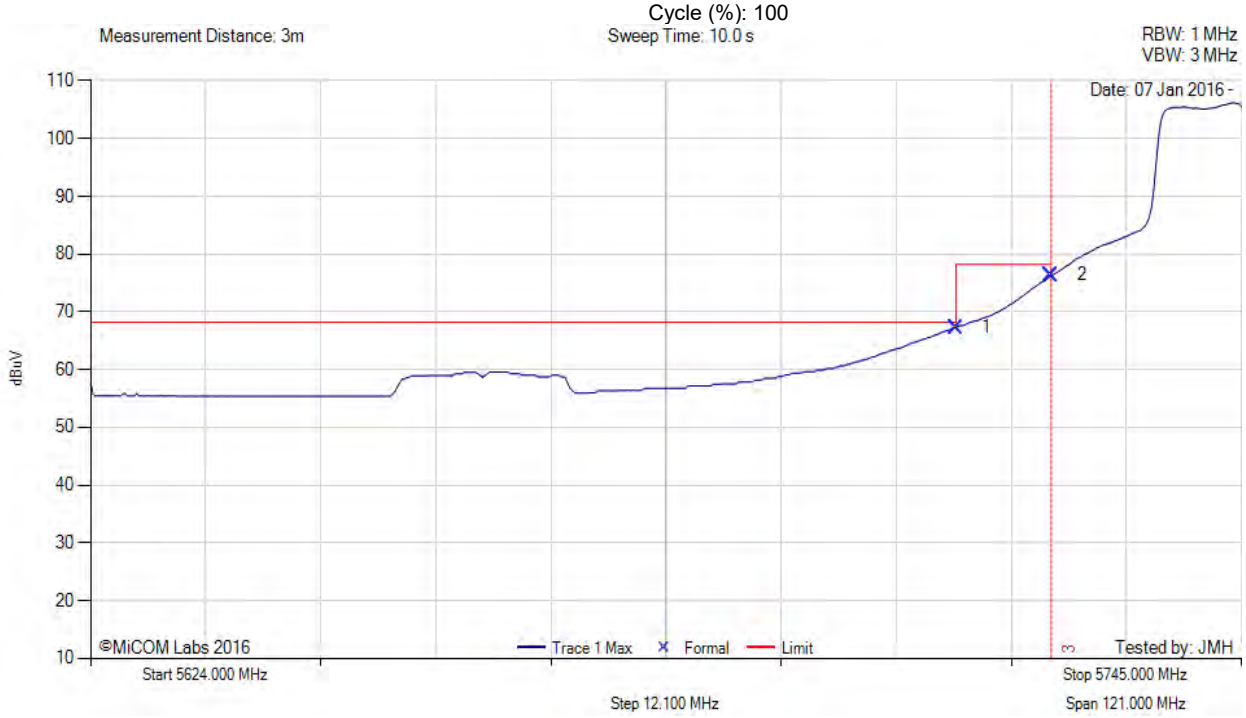
5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5745.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 23, 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	29.15	3.81	34.34	67.30	Marker	Horizontal	163	86	68.2	-0.9	Pass
2	5725.00	38.22	3.79	34.35	76.36	Marker	Horizontal	163	86	78.2	-1.9	Pass
3	5725.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	

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

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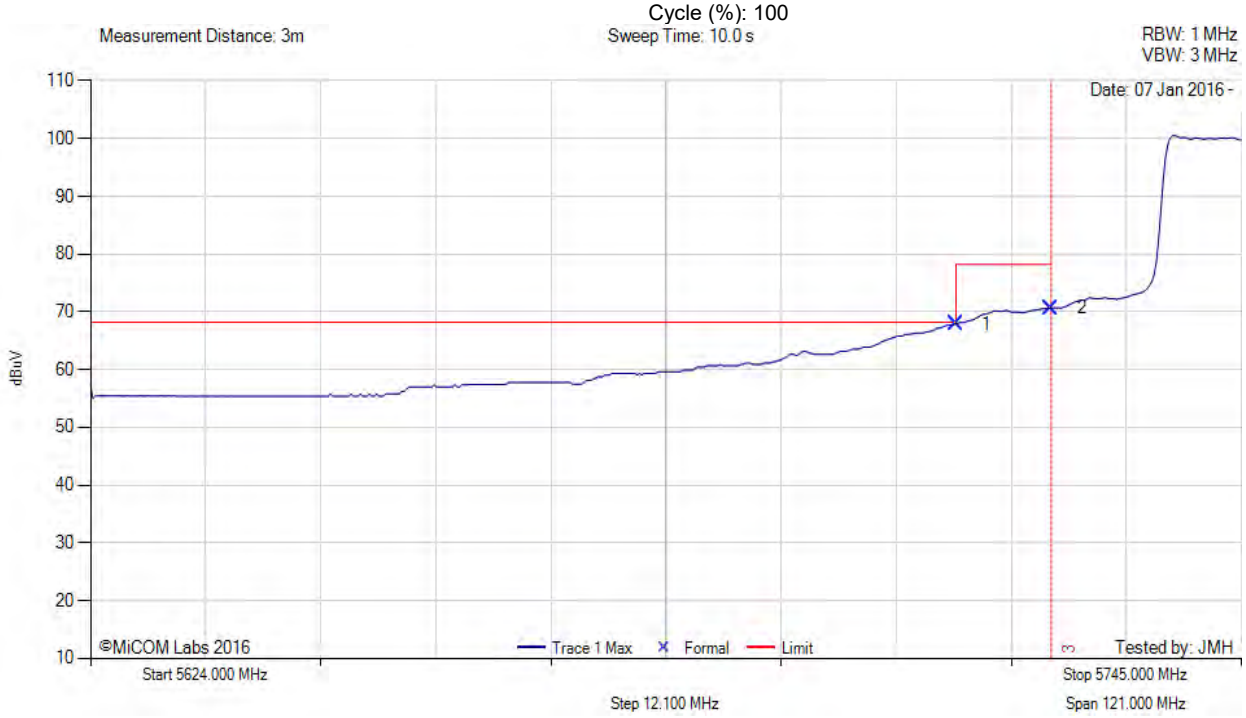
5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5755.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 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	5715.00	29.80	3.81	34.34	67.95	Marker	Horizontal	163	86	68.2	-0.3	Pass
2	5725.00	32.51	3.79	34.35	70.65	Marker	Horizontal	163	86	78.2	-7.6	Pass
3	5725.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	

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

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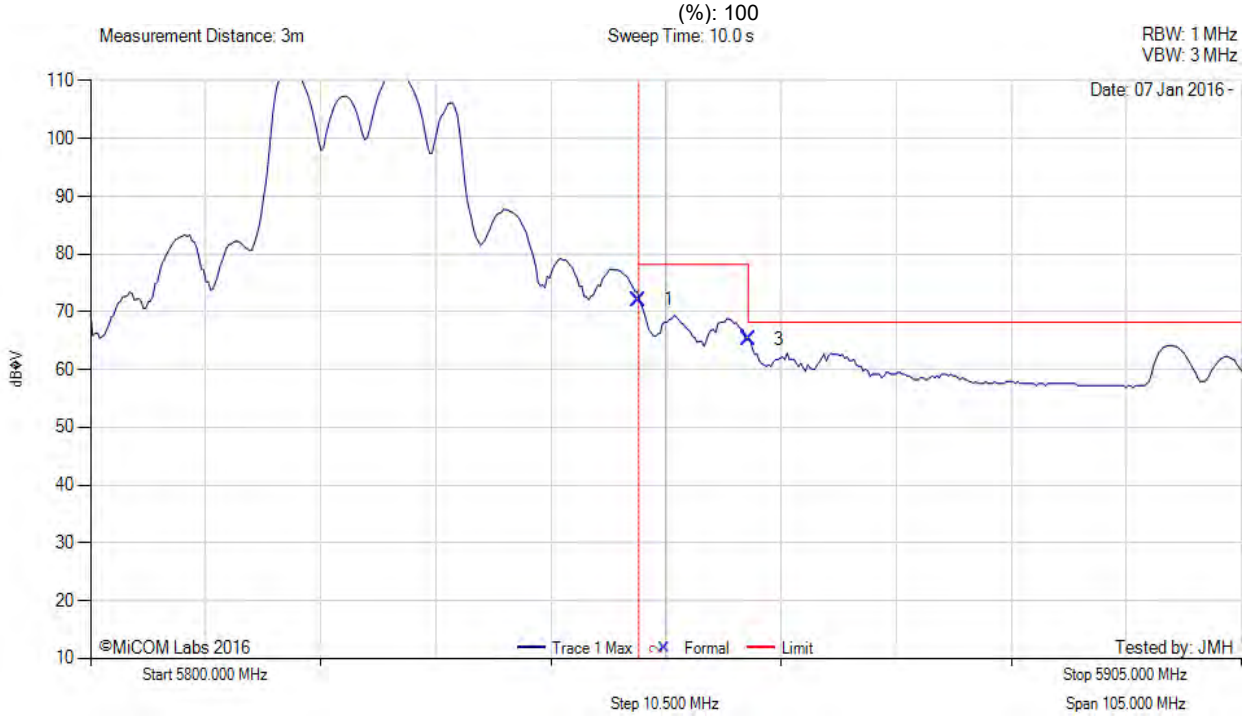
5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 21, 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	33.62	3.81	34.63	72.06	Marker	Horizontal	193	87	78.2	-6.2	Pass
2	5850.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	
3	5860.00	26.70	3.86	34.65	65.21	Marker	Horizontal	193	87	68.2	-3.0	Pass

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

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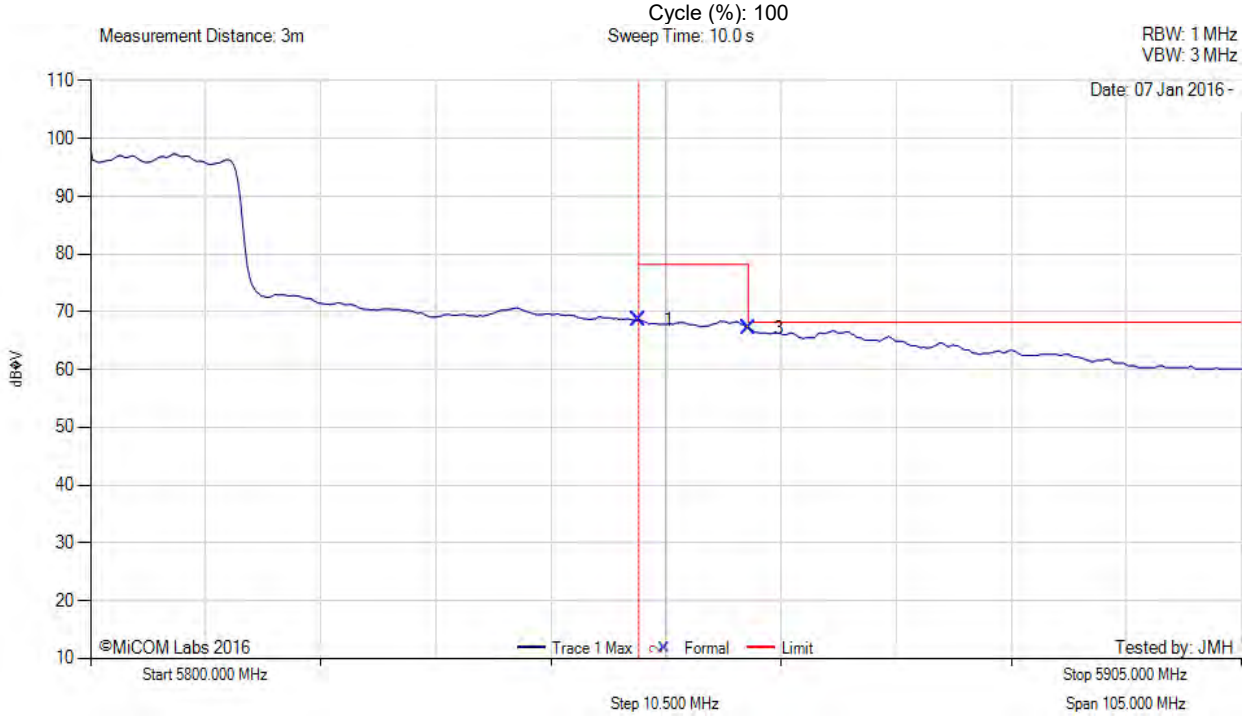
5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 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	5850.00	30.16	3.81	34.63	68.60	Marker	Horizontal	193	87	78.2	-9.6	Pass
2	5850.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	
3	5860.00	28.70	3.86	34.65	67.21	Marker	Horizontal	193	87	68.2	-1.0	Pass

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

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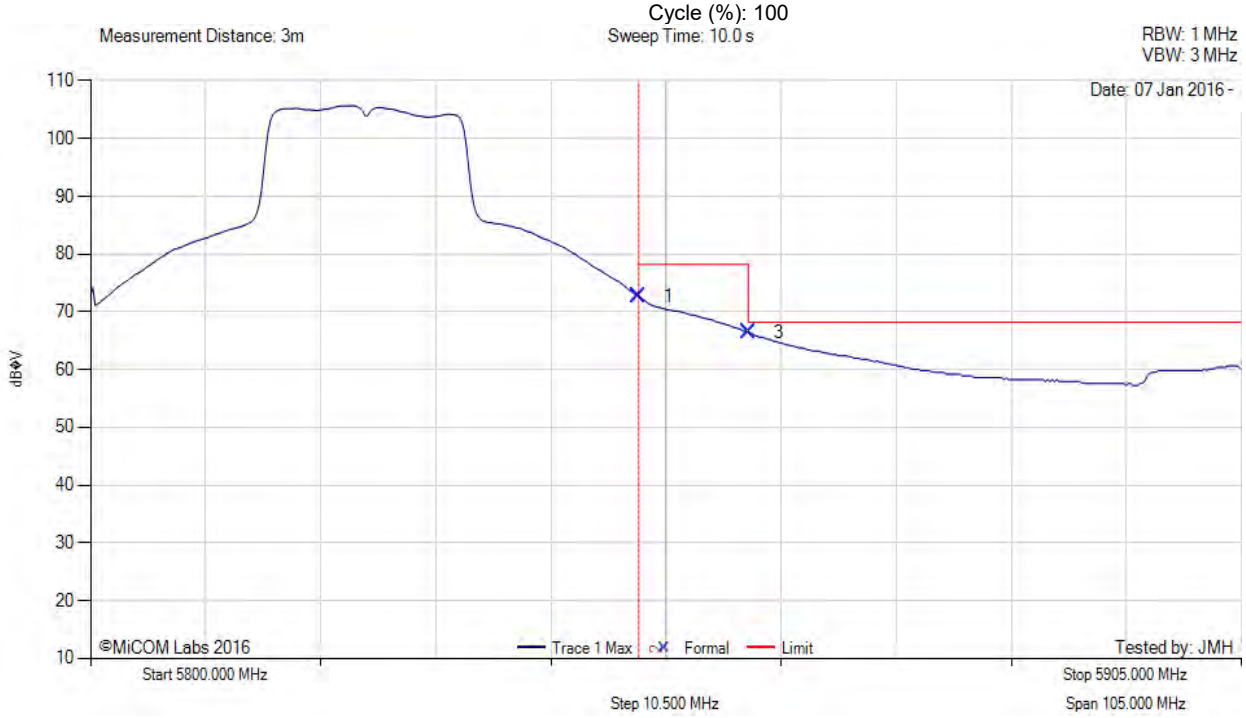
5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5825.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 23, 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	34.21	3.81	34.63	72.65	Marker	Horizontal	193	87	78.2	-5.6	Pass
2	5850.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	
3	5860.00	27.95	3.86	34.65	66.46	Marker	Horizontal	193	87	68.2	-1.8	Pass

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

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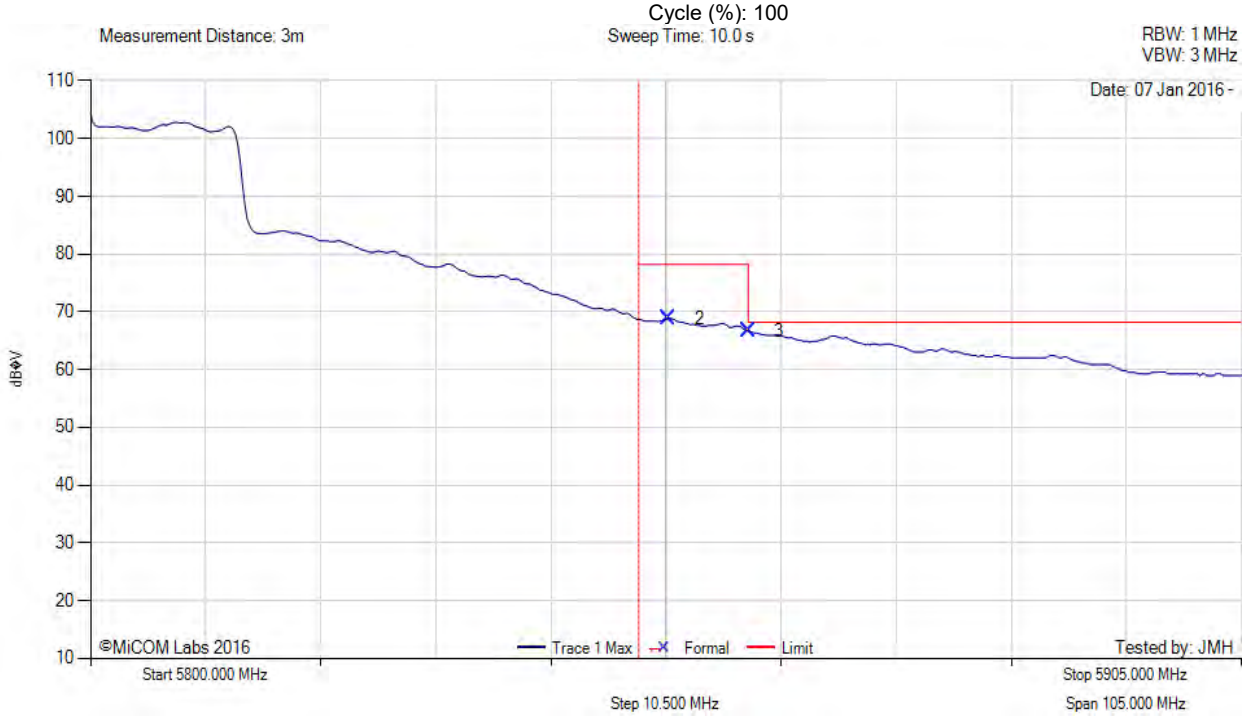
5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5795.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 23, 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	--	Frequency Line 1		0	0	--	--	
2	5852.74	30.46	3.82	34.63	68.91	Marker	Horizontal	193	87	78.2	-9.3	Pass
3	5860.00	28.21	3.86	34.65	66.72	Marker	Horizontal	193	87	68.2	-1.5	Pass

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

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