APPENDIX A - GRAPHICAL IMAGES

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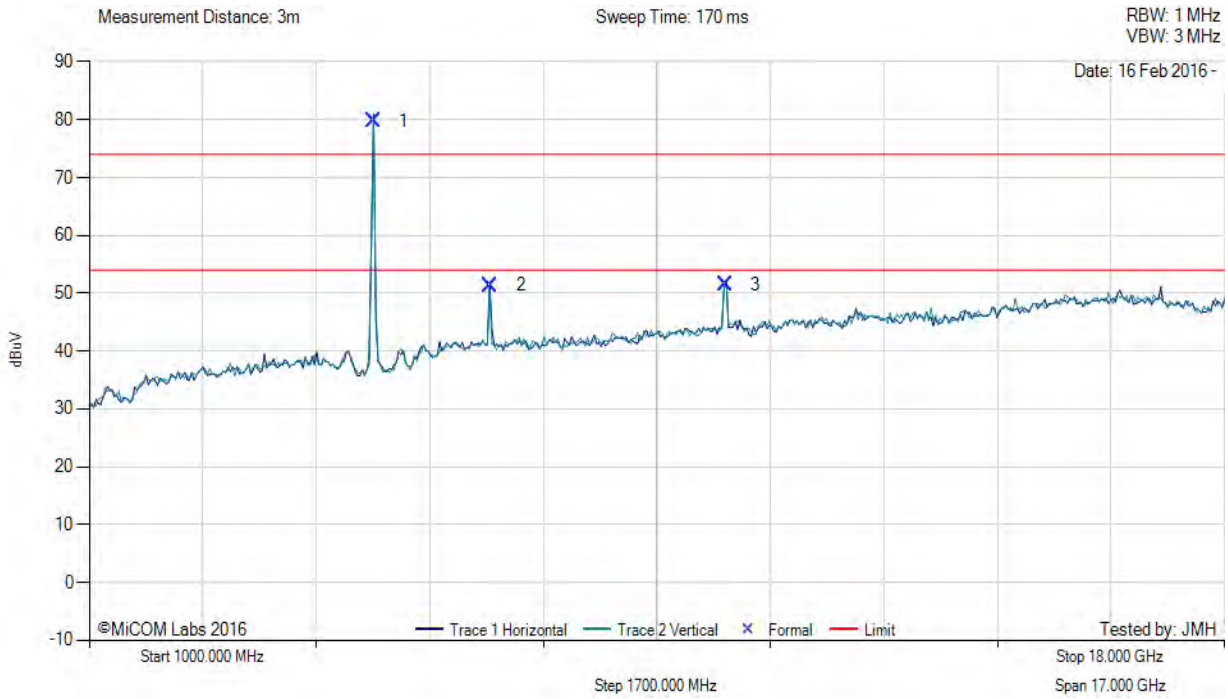
A.1. Radiated

A.1.1. Radiated TX Spurious Emissions

A.1.1.1. AP-ANT-13B

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5260.00 MHz, Antenna: AP-ANT-13B, 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	5264.89	87.40	3.67	-11.27	79.80	Fundamental	Horizontal	101	0	--	--	
2	7013.26	54.59	4.18	-7.42	51.35	Peak (NRB)	Horizontal	101	71	--	--	Pass
3	10522.41	50.19	5.43	-4.20	51.42	Peak (NRB)	Horizontal	101	3	--	--	Pass

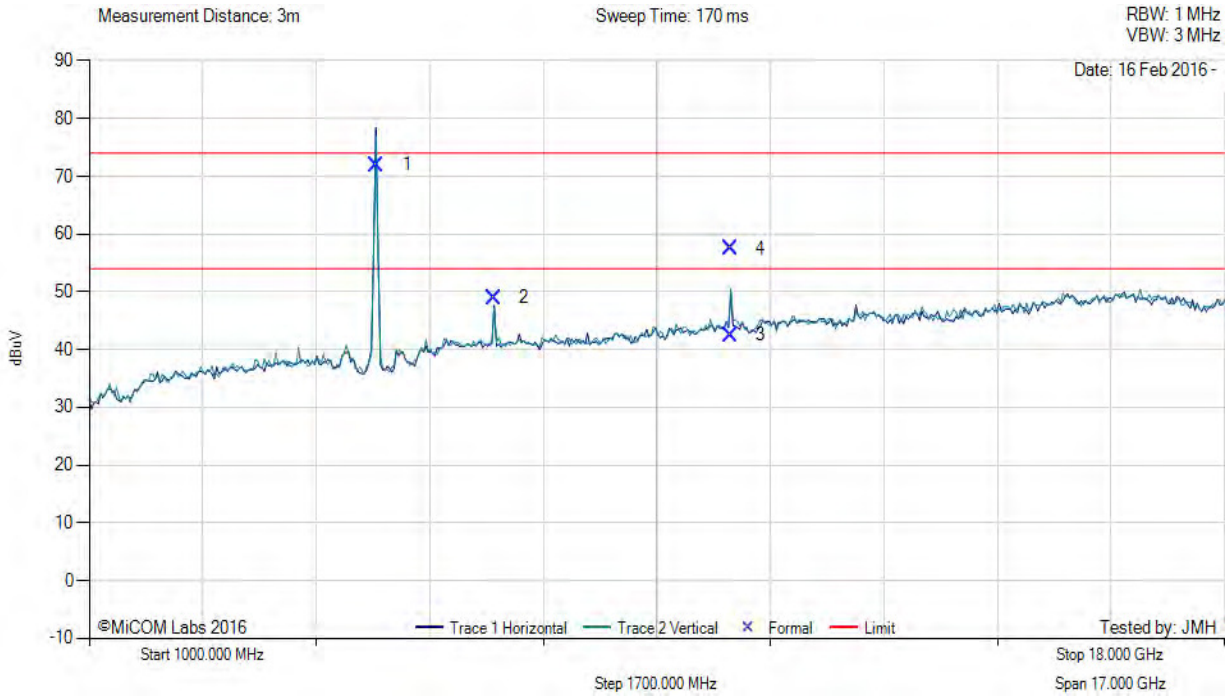
Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5300.00 MHz, Antenna: AP-ANT-13B, 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	5305.70	79.22	3.79	-11.08	71.93	Fundamental	Horizontal	100	1	--	--	
2	7066.63	52.12	4.18	-7.34	48.96	Peak (NRB)	Horizontal	100	151	--	--	Pass
3	10600.56	40.86	5.58	-3.93	42.51	Max Avg	Horizontal	161	301	54.0	-11.5	Pass
4	10600.56	55.76	5.58	-3.93	57.41	Max Peak	Horizontal	161	301	74.0	-16.6	Pass

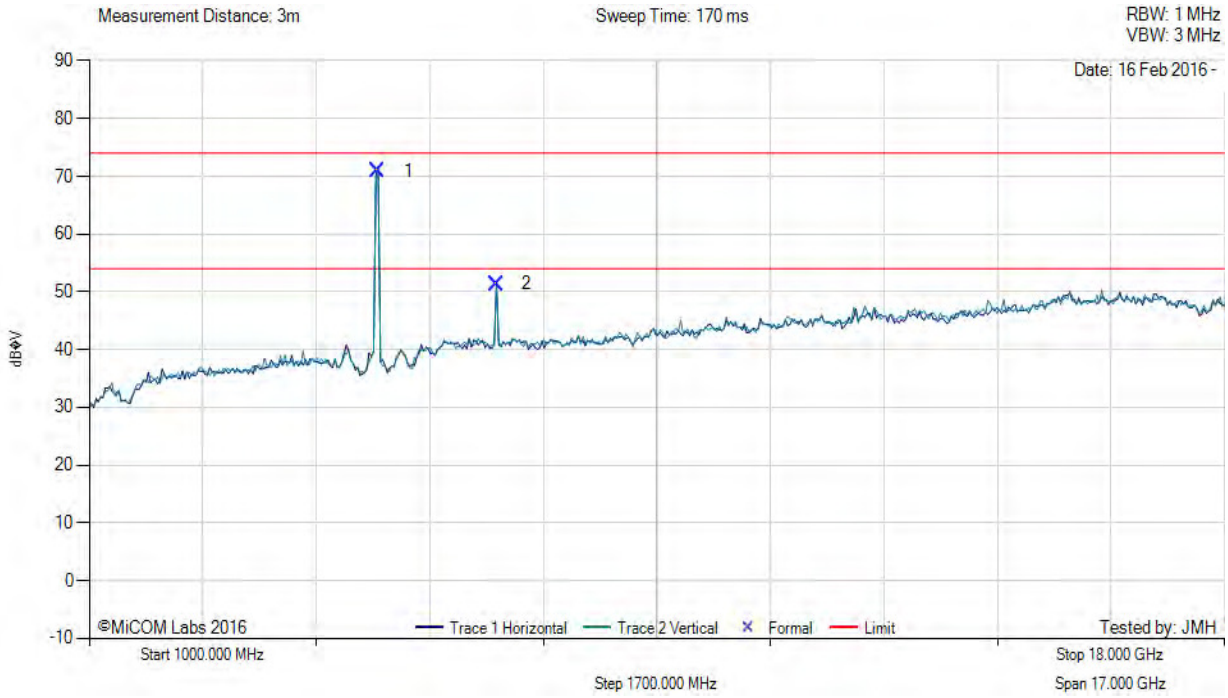
Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5320.00 MHz, Antenna: AP-ANT-13B, Power Setting: 16, 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	5326.05	78.22	3.73	-11.06	70.89	Fundamental	Horizontal	101	1	--	--	
2	7093.30	54.42	4.23	-7.33	51.32	Peak (NRB)	Horizontal	101	27	--	--	Pass

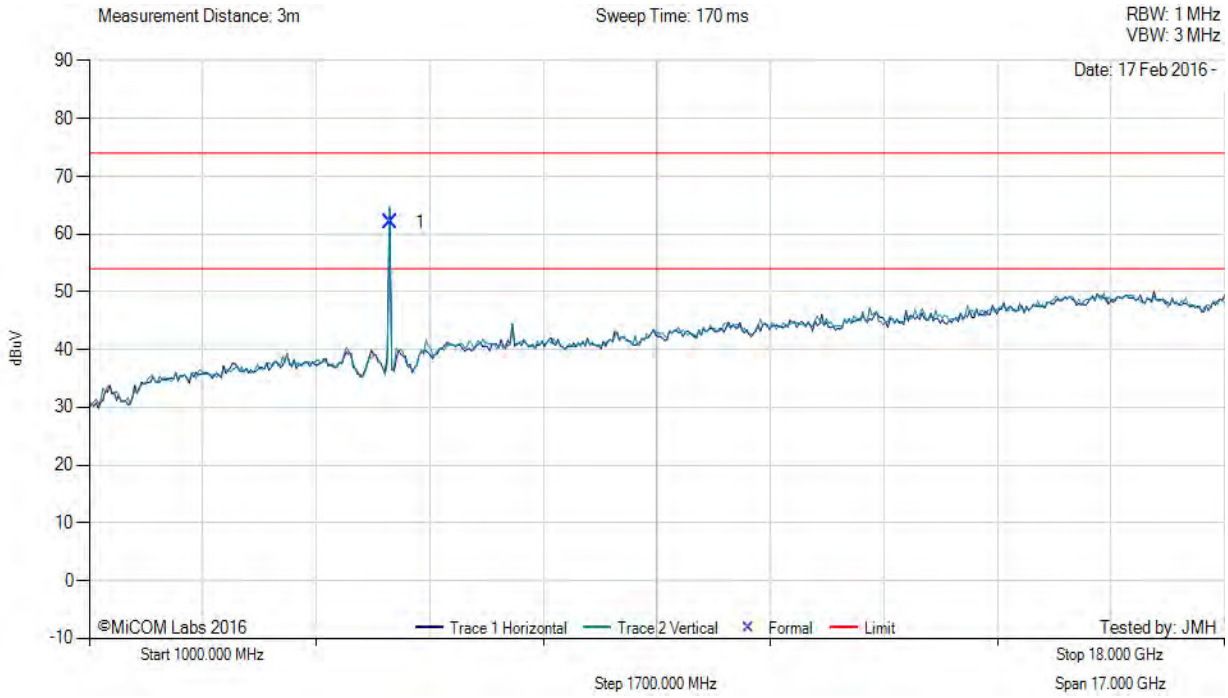
Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5500.00 MHz, Antenna: AP-ANT-13B, 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	5506.73	69.49	3.75	-11.18	62.06	Fundamental	Vertical	101	41	--	--	

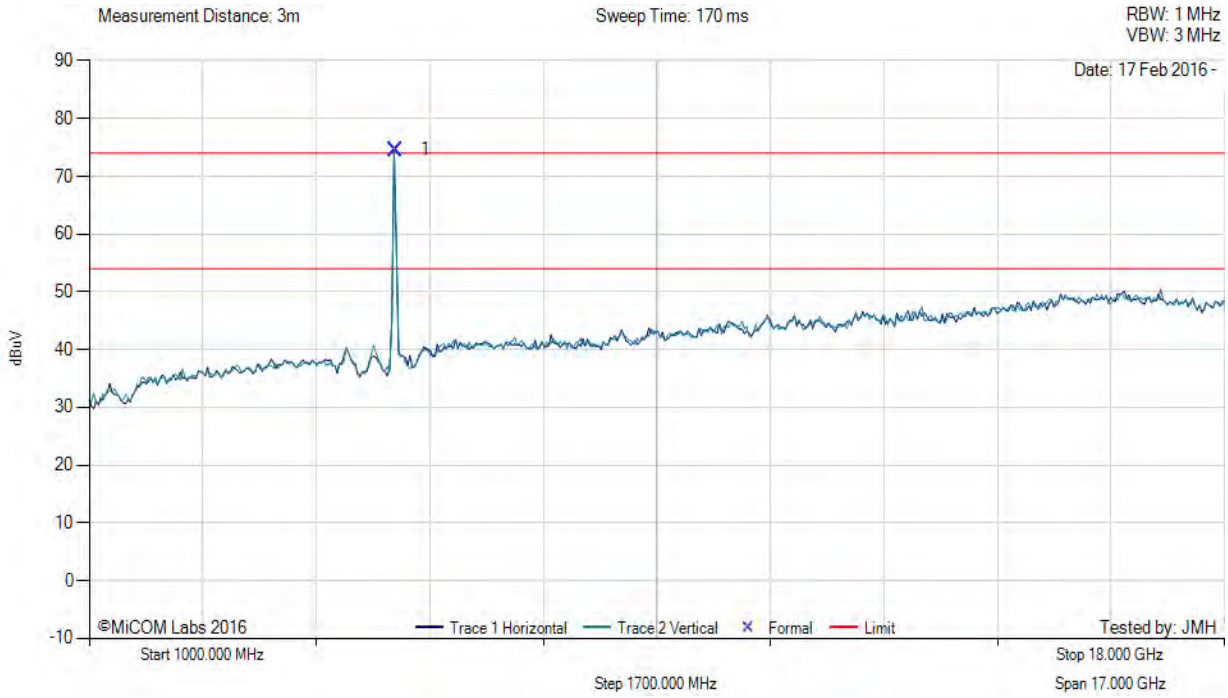
Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5580.00 MHz, Antenna: AP-ANT-13B, 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	5582.00	81.99	3.80	-11.20	74.59	Fundamental	Horizontal	101	1	--	--	

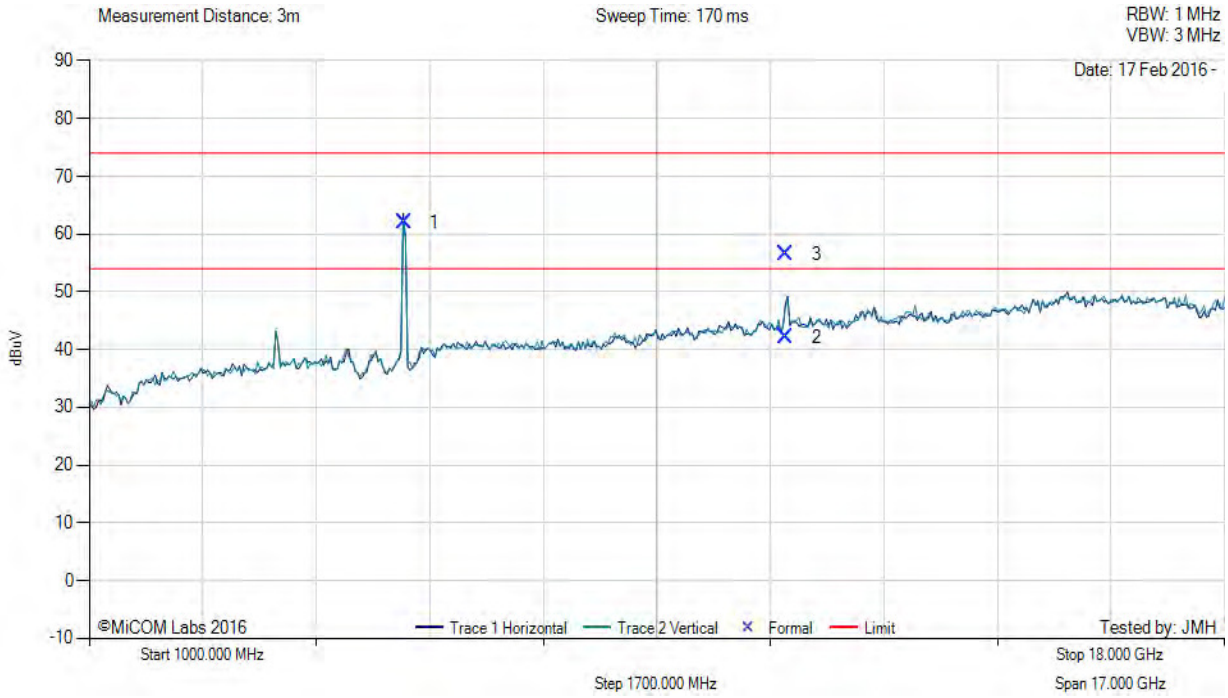
Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5720.00 MHz, Antenna: AP-ANT-13B, 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	5723.68	68.91	3.79	-10.72	61.98	Fundamental	Horizontal	101	0	--	--	
2	11436.48	41.73	5.36	-4.92	42.17	Max Avg	Horizontal	151	339	54.0	-11.8	Pass
3	11436.48	56.12	5.36	-4.92	56.56	Max Peak	Horizontal	151	339	74.0	-17.4	Pass

Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber

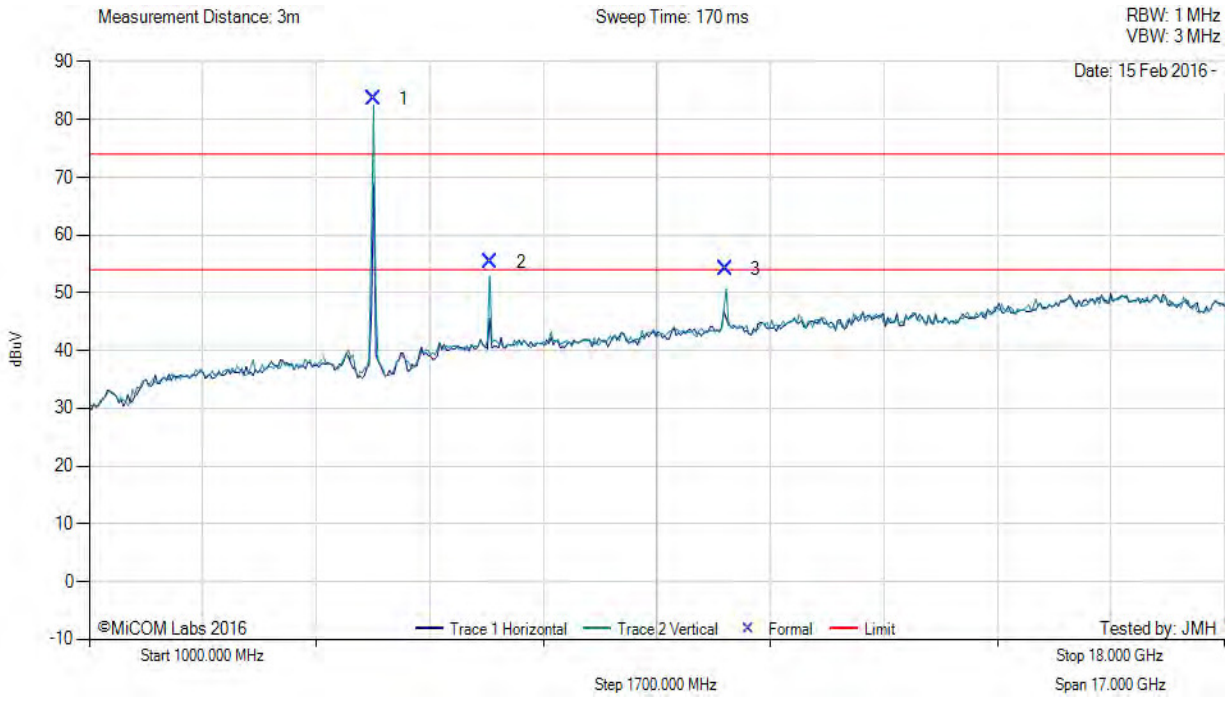
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A.1.1.2. AP-ANT-19

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5260.00 MHz, Antenna: 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	5258.72	91.27	3.65	-11.29	83.63	Fundamental	Vertical	151	1	--	--	
2	7013.26	58.56	4.18	-7.42	55.32	Peak (NRB)	Vertical	151	51	--	--	Pass
3	10525.14	52.95	5.43	-4.19	54.19	Peak (NRB)	Vertical	151	0	--	--	Pass

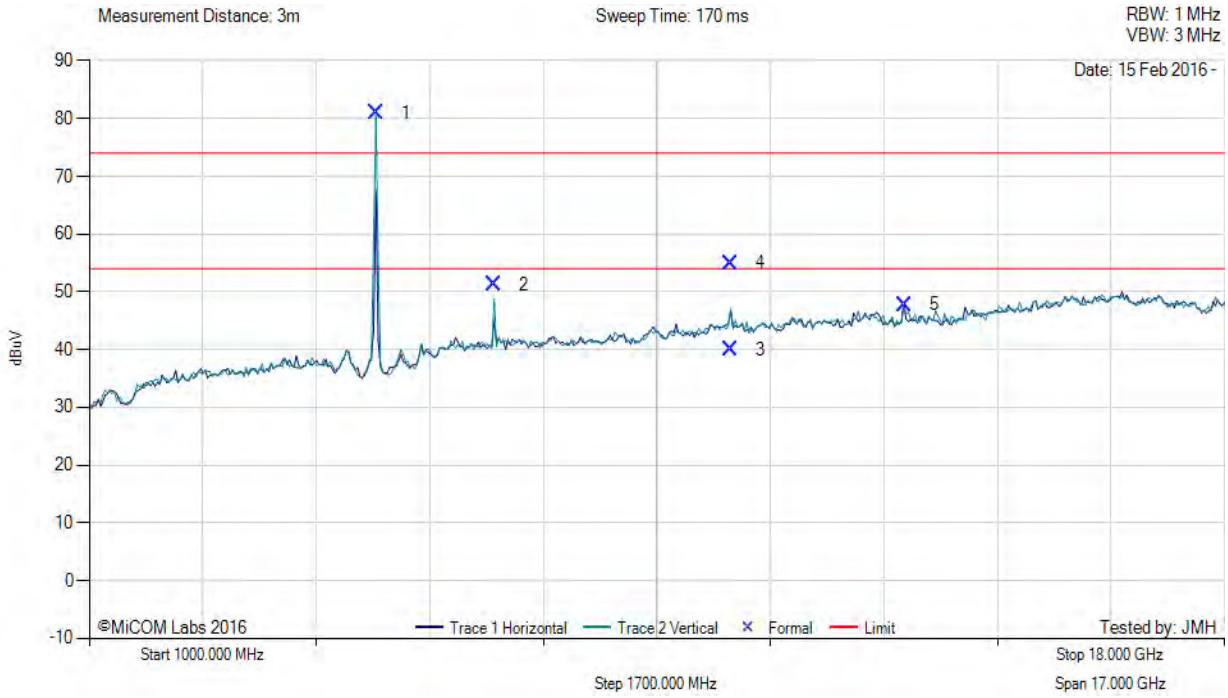
Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5300.00 MHz, Antenna: 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	5298.00	88.23	3.81	-11.10	80.94	Fundamental	Vertical	151	0	--	--	
2	7066.69	54.41	4.18	-7.34	51.25	Peak (NRB)	Vertical	151	0	--	--	Pass
3	10601.82	38.31	5.57	-3.93	39.95	Max Avg	Vertical	158	289	54.0	-14.1	Pass
4	10601.82	53.35	5.57	-3.93	54.99	Max Peak	Vertical	158	289	74.0	-19.0	Pass
5	13206.89	48.82	5.34	-6.39	47.77	Peak (NRB)	Horizontal	151	176	--	--	Pass

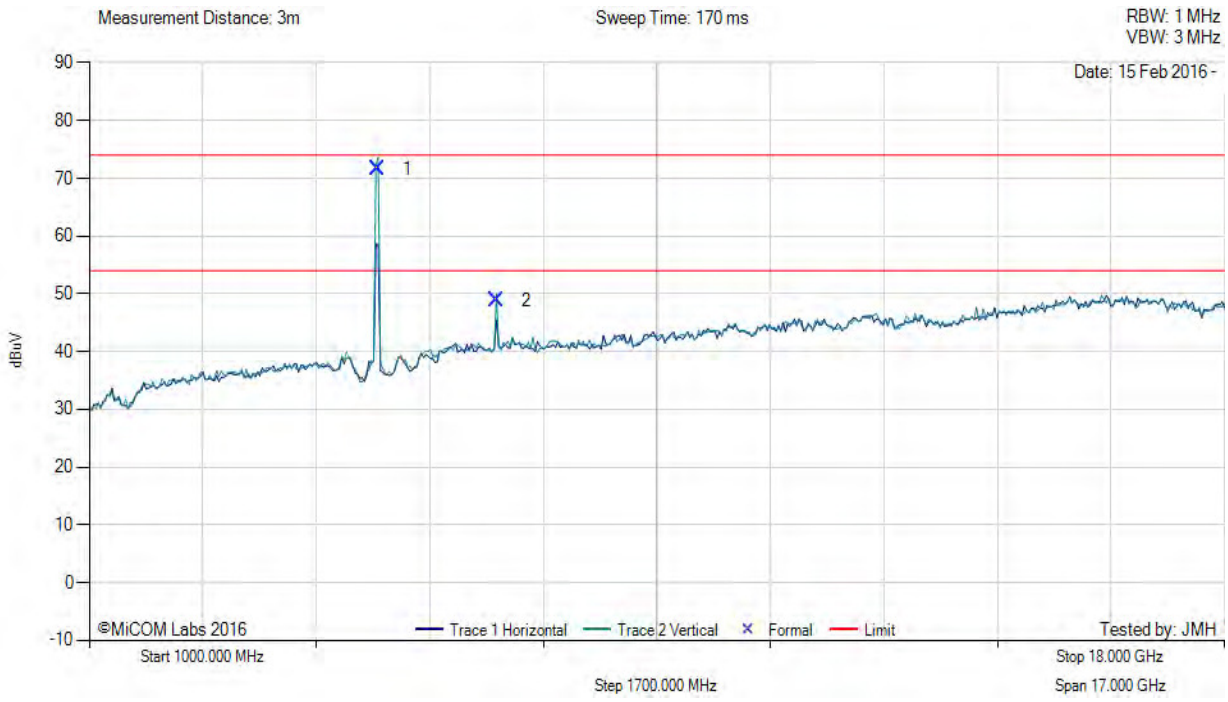
Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5320.00 MHz, Antenna: AP-ANT-19, Power Setting: 16, 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	5318.08	78.93	3.75	-11.07	71.61	Fundamental	Vertical	101	1	--	--	
2	7093.23	51.94	4.23	-7.33	48.84	Peak (NRB)	Vertical	101	1	--	--	Pass

Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber

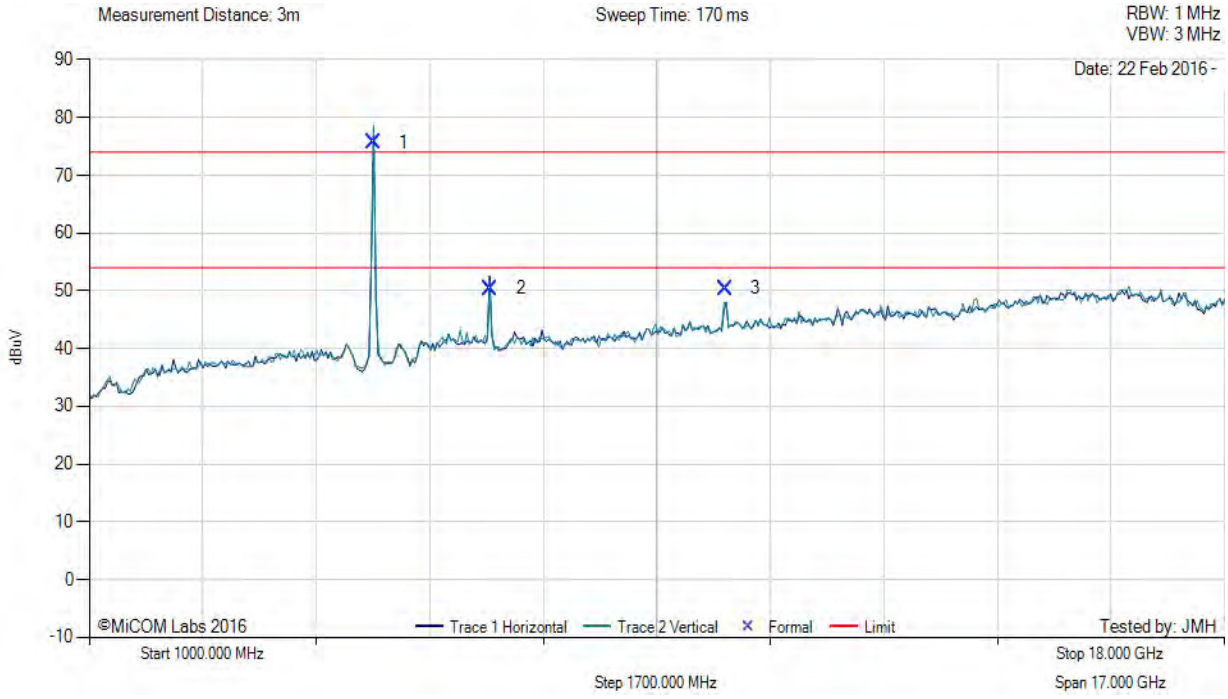
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A.1.1.3. AP-ANT-1W

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5260.00 MHz, Antenna: AP-ANT-1W, 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	5255.43	83.31	3.64	-11.32	75.63	Fundamental	Horizontal	200	1	--	--	
2	7013.23	53.66	4.18	-7.42	50.42	Peak (NRB)	Horizontal	148	0	--	--	Pass
3	10525.98	49.20	5.42	-4.18	50.44	Peak (NRB)	Vertical	148	94	--	--	Pass

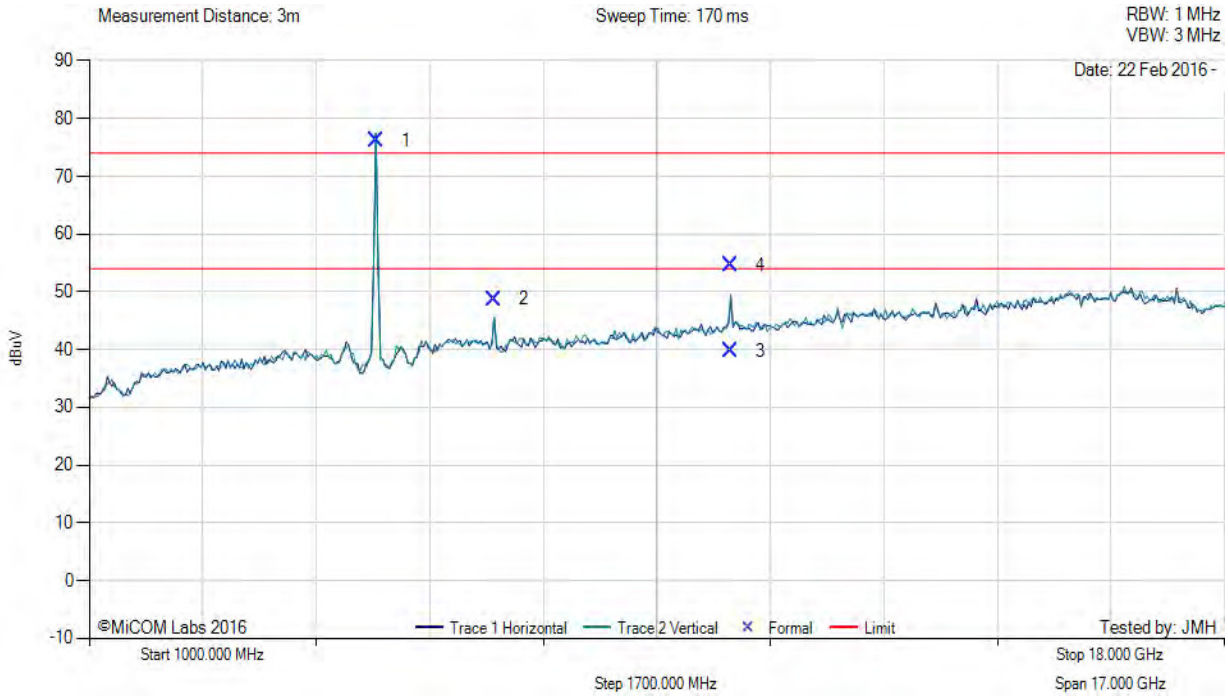
Test Notes: EUT on 150cm table, powered by POE. Connected to laptop outside chamber

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5300.00 MHz, Antenna: AP-ANT-1W, 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	5296.00	83.47	3.79	-11.11	76.15	Fundamental	Horizontal	101	1	--	--	
2	7066.59	51.87	4.18	-7.34	48.71	Peak (NRB)	Horizontal	151	140	--	--	Pass
3	10600.52	38.15	5.58	-3.93	39.80	Max Avg	Vertical	191	2	54.0	-14.2	Pass
4	10600.52	53.01	5.58	-3.93	54.66	Max Peak	Vertical	191	2	74.0	-19.3	Pass

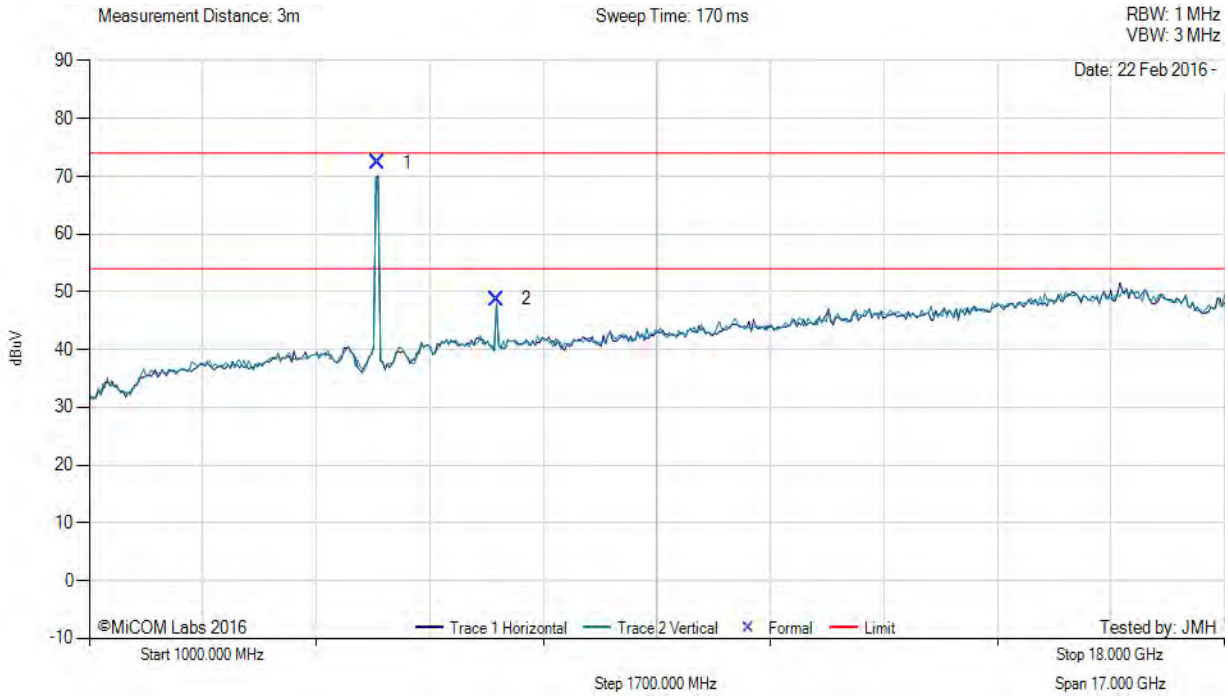
Test Notes: EUT on 150cm table, powered by POE. Connected to laptop outside chamber.

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5320.00 MHz, Antenna: AP-ANT-1W, 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	5316.83	79.60	3.76	-11.07	72.29	Fundamental	Horizontal	151	14	--	--	
2	7093.29	51.87	4.23	-7.33	48.77	Peak (NRB)	Horizontal	151	62	--	--	Pass

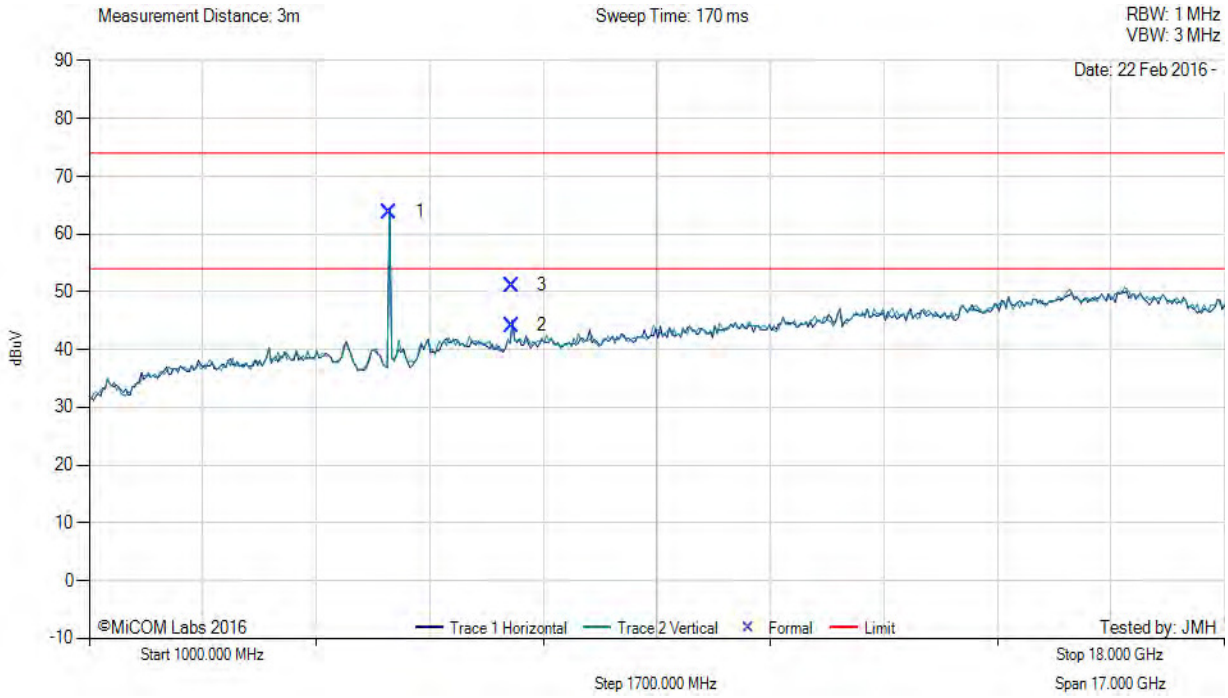
Test Notes: EUT on 150cm table, powered by POE. Connected to laptop outside chamber.

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5500.00 MHz, Antenna: AP-ANT-1W, 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	5500.56	71.27	3.75	-11.17	63.85	Fundamental	Horizontal	200	7	--	--	
2	7333.26	47.12	4.28	-7.24	44.16	Max Avg	Horizontal	176	125	54.0	-9.8	Pass
3	7333.26	54.10	4.28	-7.24	51.14	Max Peak	Horizontal	176	125	74.0	-22.9	Pass

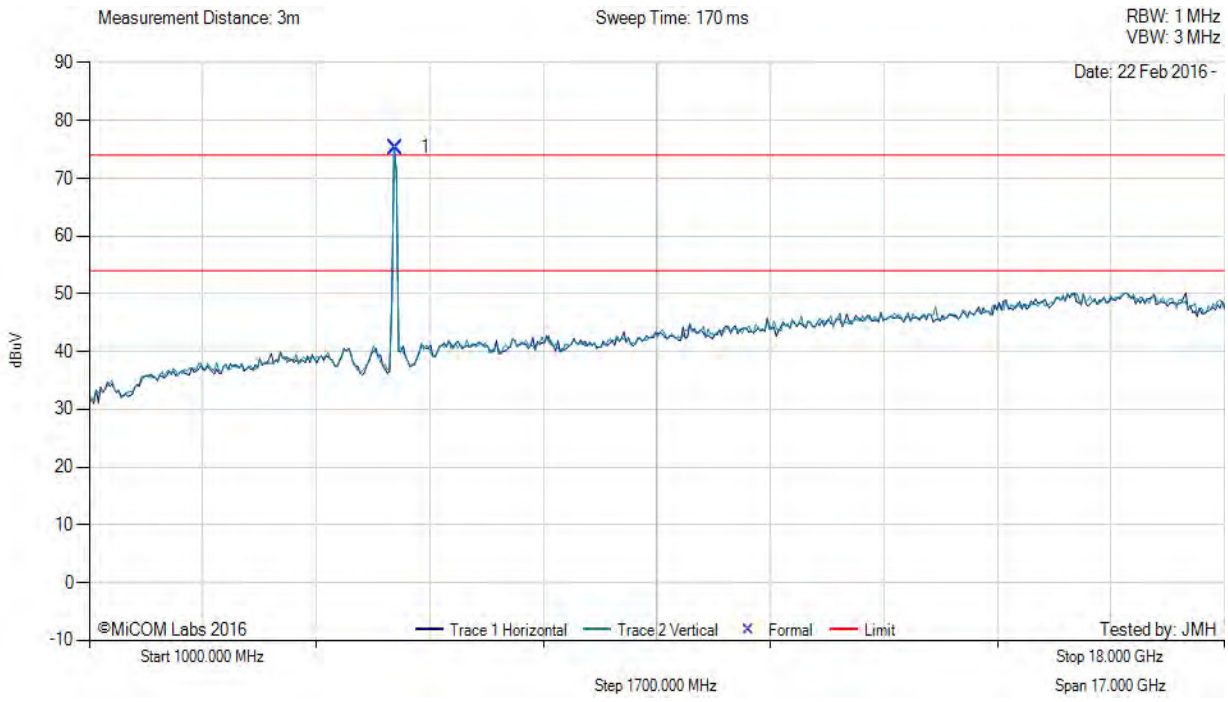
Test Notes: EUT on 150cm table, powered by POE. Connected to laptop outside chamber.

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5580.00 MHz, Antenna: AP-ANT-1W, 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	5584.01	82.76	3.79	-11.19	75.36	Fundamental	Horizontal	101	1	--	--	

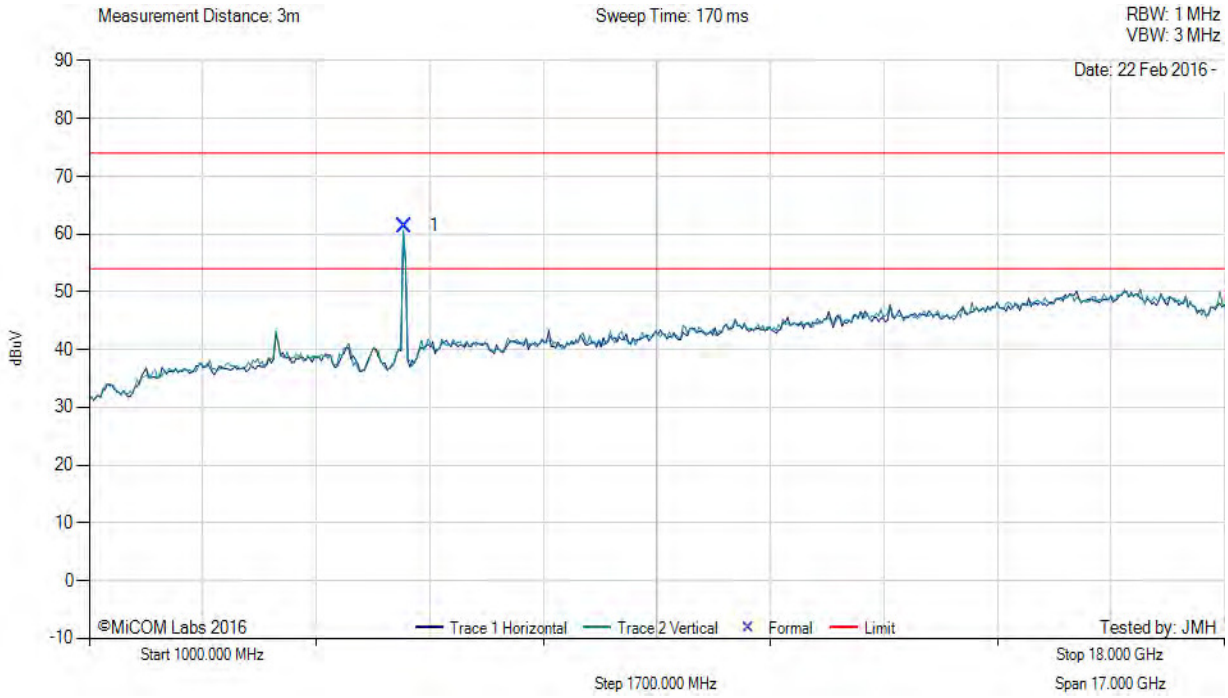
Test Notes: EUT on 150cm table, powered by POE. Connected to laptop outside chamber.

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5720.00 MHz, Antenna: AP-ANT-1W, 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	5714.03	68.40	3.82	-10.76	61.46	Fundamental	Horizontal	101	38	--	--	

Test Notes: EUT on 150cm table, powered by POE. Connected to laptop outside chamber.

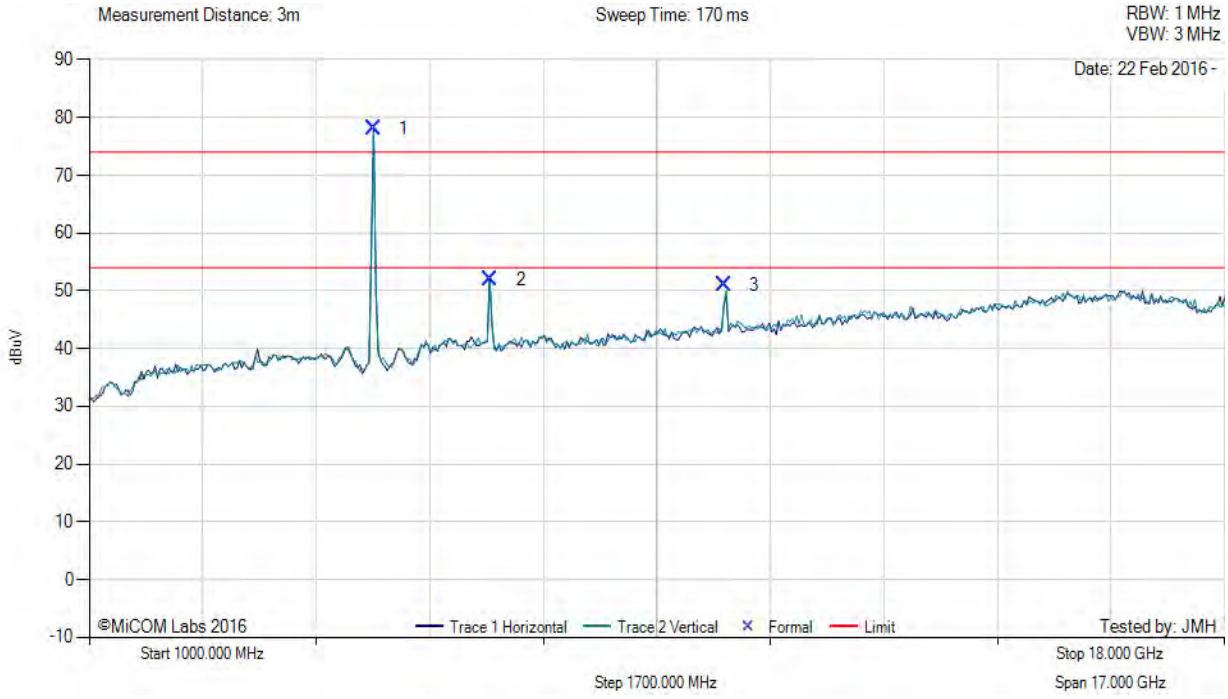
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A.1.1.4. AP-ANT-20W

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5260.00 MHz, Antenna: AP-ANT-20W, 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	5265.05	85.64	3.67	-11.27	78.04	Fundamental	Horizontal	151	1	--	--	
2	7013.34	55.13	4.18	-7.42	51.89	Peak (NRB)	Horizontal	151	1	--	--	Pass
3	10513.03	49.75	5.47	-4.24	50.98	Peak (NRB)	Vertical	151	158	--	--	Pass

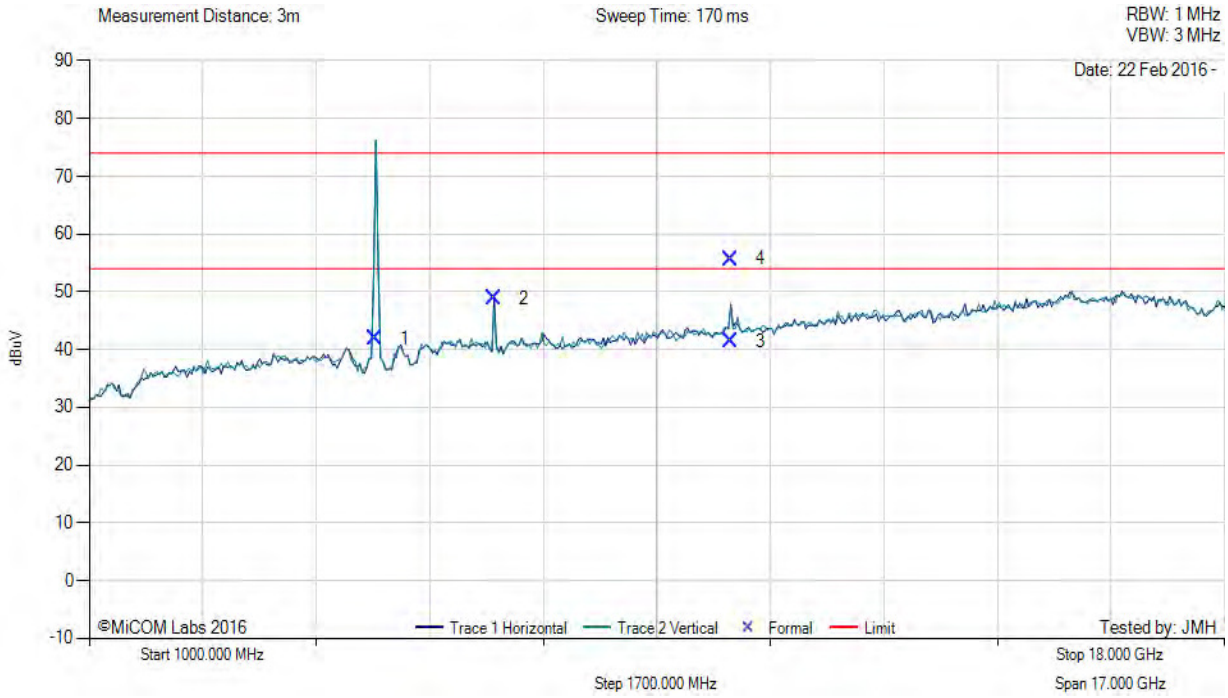
Test Notes: EUT on 150cm table, powered by POE. Connected to laptop outside chamber.

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5300.00 MHz, Antenna: AP-ANT-20W, 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	5272.59	49.46	3.70	-11.23	41.93	Fundamental	Horizontal	151	31	--	--	
2	7066.70	51.94	4.18	-7.34	48.78	Peak (NRB)	Horizontal	151	31	--	--	Pass
3	10601.57	39.78	5.57	-3.93	41.42	Max Avg	Horizontal	156	298	54.0	-12.6	Pass
4	10601.57	54.07	5.57	-3.93	55.71	Max Peak	Horizontal	156	298	74.0	-18.3	Pass

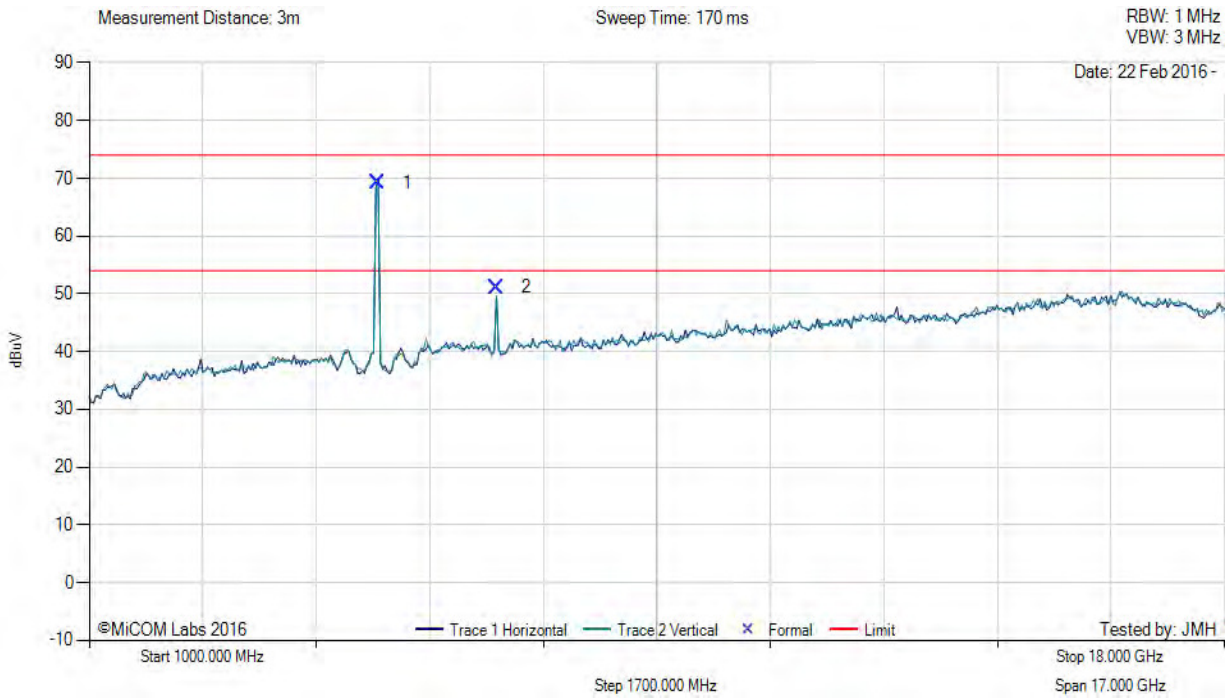
Test Notes: EUT on 150cm table, powered by POE. Connected to laptop outside chamber.

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5320.00 MHz, Antenna: AP-ANT-20W, Power Setting: 17.5, 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	5315.31	76.50	3.76	-11.07	69.19	Fundamental	Horizontal	101	11	--	--	
2	7093.28	54.21	4.23	-7.33	51.11	Peak (NRB)	Horizontal	101	141	--	--	Pass

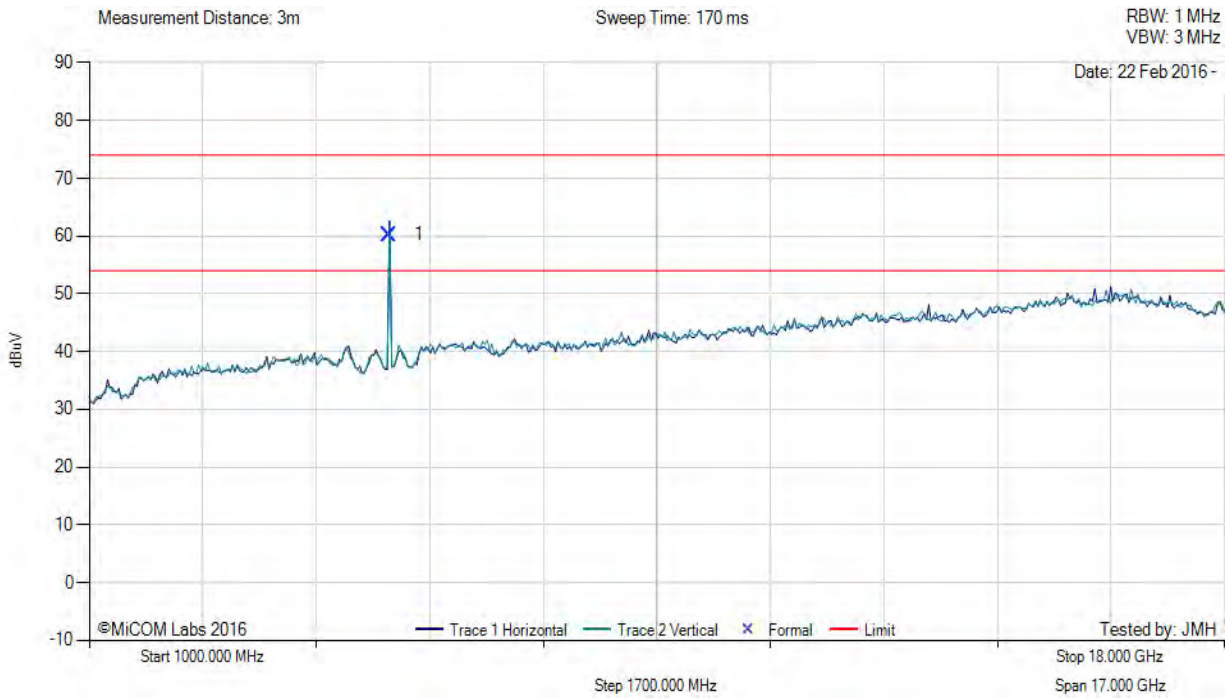
Test Notes: EUT on 150cm table, powered by POE. Connected to laptop outside chamber.

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5500.00 MHz, Antenna: AP-ANT-20W, Power Setting: 18.5, 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	5494.30	67.72	3.72	-11.17	60.27	Fundamental	Horizontal	101	1	--	--	

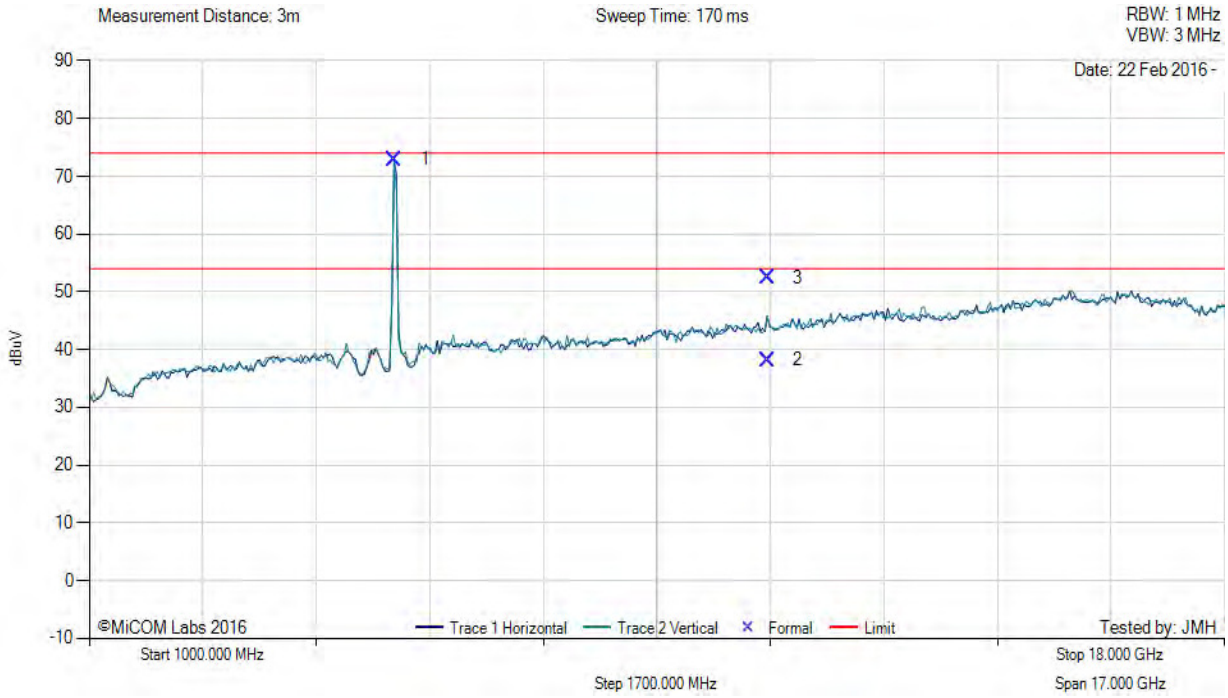
Test Notes: EUT on 150cm table, powered by POE. Connected to laptop outside chamber.

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5580.00 MHz, Antenna: AP-ANT-20W, 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	5574.63	80.34	3.81	-11.21	72.94	Fundamental	Horizontal	101	1	--	--	
2	11156.76	36.26	5.98	-4.06	38.18	Max Avg	Horizontal	140	81	54.0	-15.8	Pass
3	11156.76	50.47	5.98	-4.06	52.39	Max Peak	Horizontal	140	81	74.0	-21.6	Pass

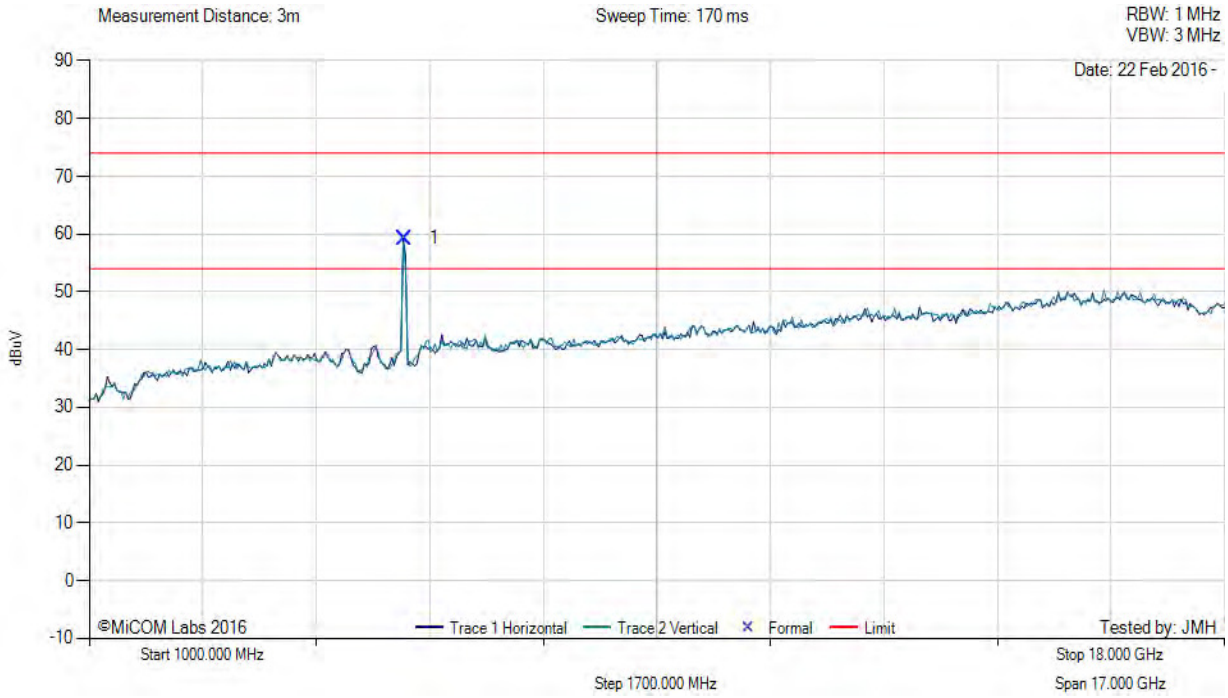
Test Notes: EUT on 150cm table, powered by POE. Connected to laptop outside chamber.

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5720.00 MHz, Antenna: AP-ANT-20W, 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	5716.31	66.21	3.81	-10.76	59.26	Fundamental	Horizontal	101	32	--	--	

Test Notes: EUT on 150cm table, powered by POE. Connected to laptop outside chamber.

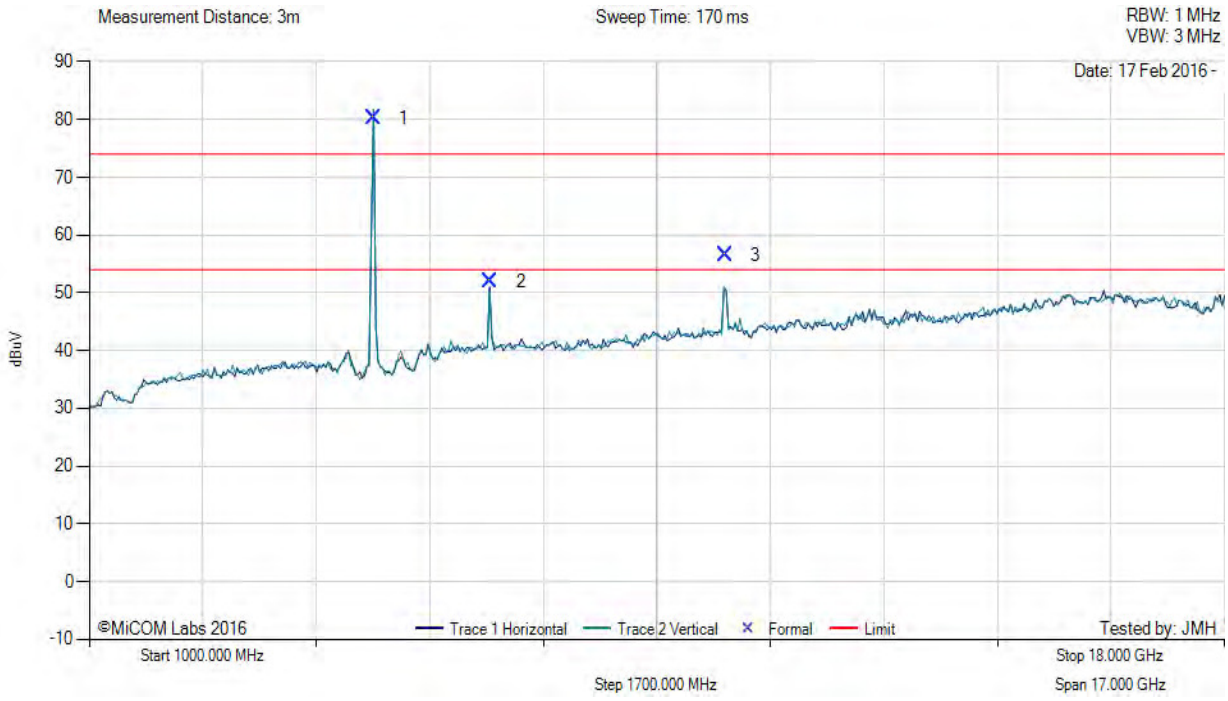
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A.1.1.5. AP-ANT-40

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5260.00 MHz, Antenna: AP-ANT-40, 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	5258.08	87.95	3.65	-11.30	80.30	Fundamental	Horizontal	200	23	--	--	
2	7013.29	55.26	4.18	-7.42	52.02	Peak (NRB)	Horizontal	200	23	--	--	Pass
3	10521.84	55.23	5.43	-4.20	56.46	Peak (NRB)	Horizontal	200	58	--	--	Pass

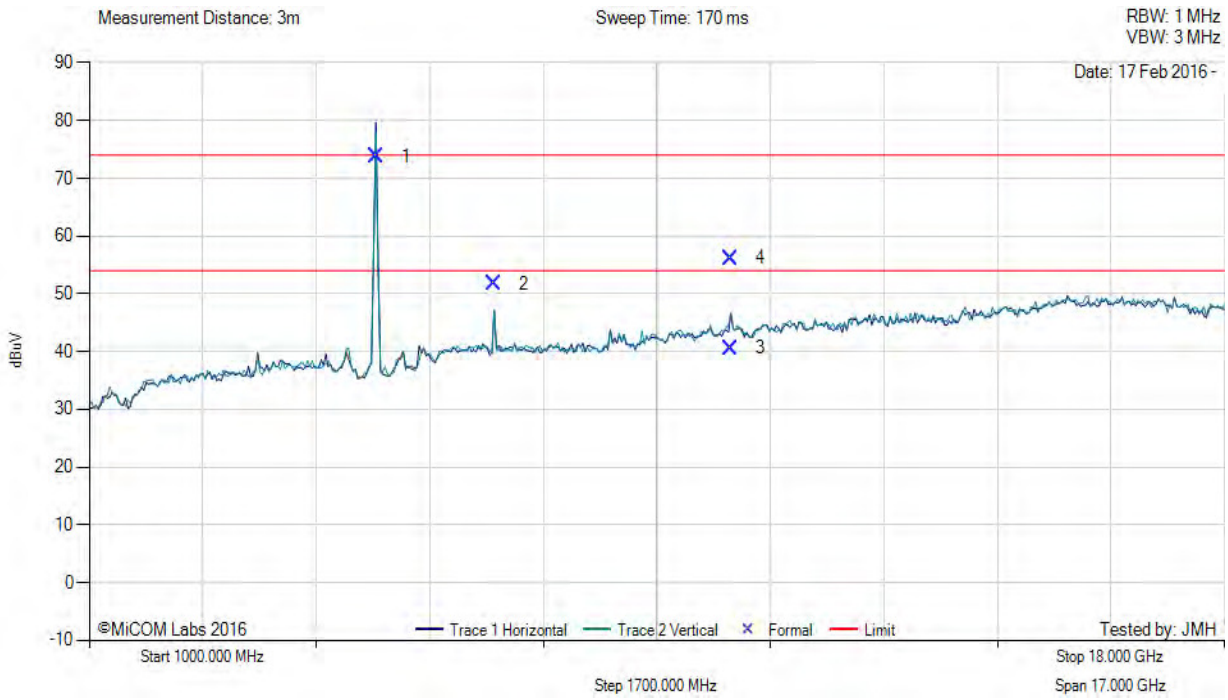
Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber.

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5300.00 MHz, Antenna: AP-ANT-40, 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	5293.11	81.09	3.77	-11.13	73.73	Fundamental	Horizontal	151	0	--	--	
2	7066.54	54.85	4.18	-7.34	51.69	Peak (NRB)	Horizontal	151	50	--	--	Pass
3	10607.42	38.95	5.55	-3.92	40.58	Max Avg	Horizontal	158	56	54.0	-13.4	Pass
4	10607.42	54.55	5.55	-3.92	56.18	Max Peak	Horizontal	158	56	74.0	-17.8	Pass

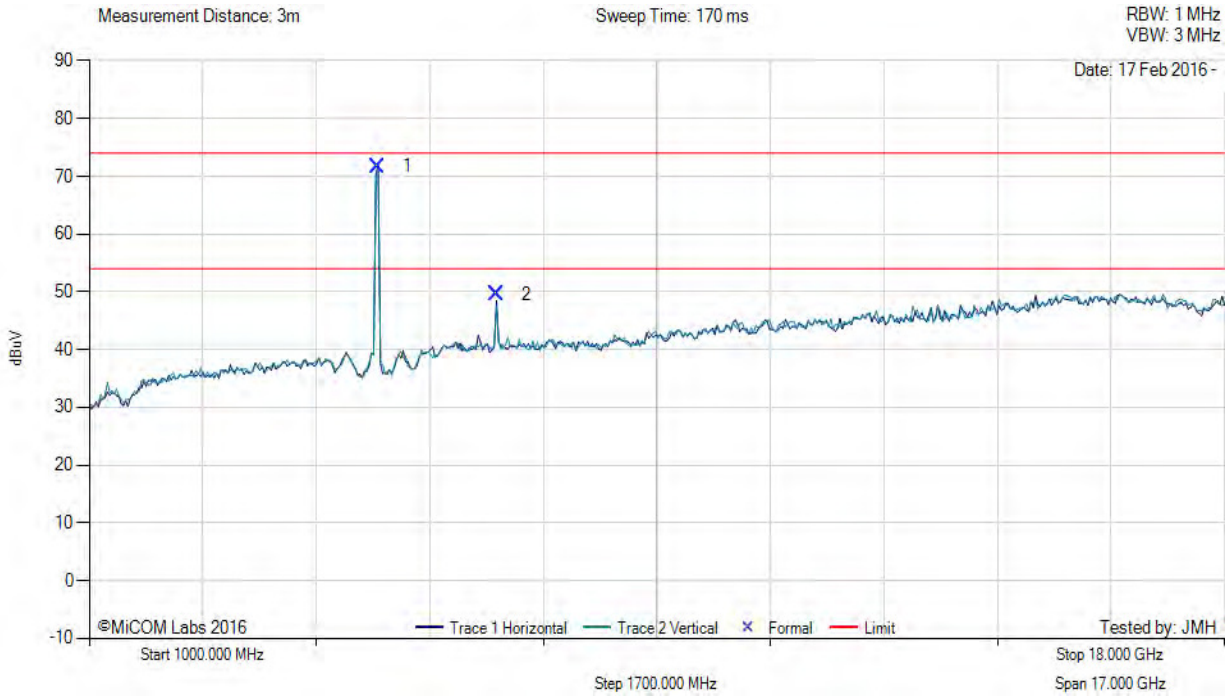
Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber.

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5320.00 MHz, Antenna: AP-ANT-40, 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	5313.78	79.01	3.76	-11.07	71.70	Fundamental	Horizontal	151	29	--	--	
2	7093.32	52.73	4.23	-7.33	49.63	Peak (NRB)	Horizontal	151	29	--	--	Pass

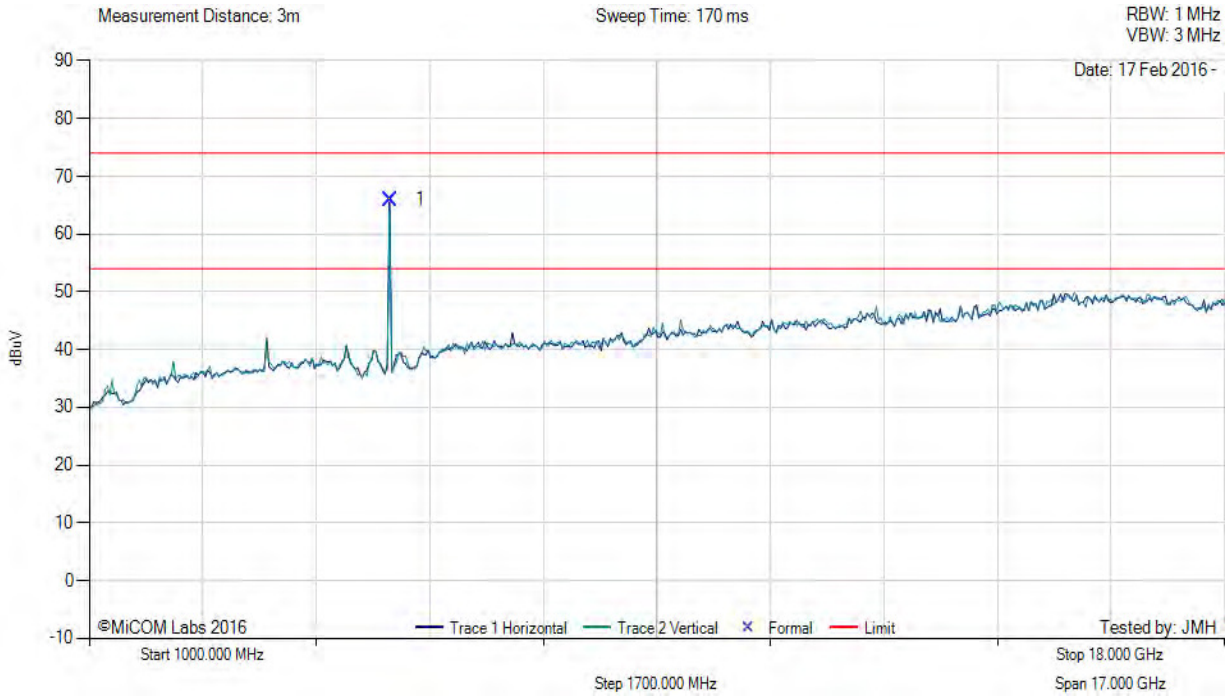
Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber.

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5500.00 MHz, Antenna: AP-ANT-40, Power Setting: 18.5, 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	5503.92	73.38	3.75	-11.18	65.95	Fundamental	Horizontal	101	60	--	--	

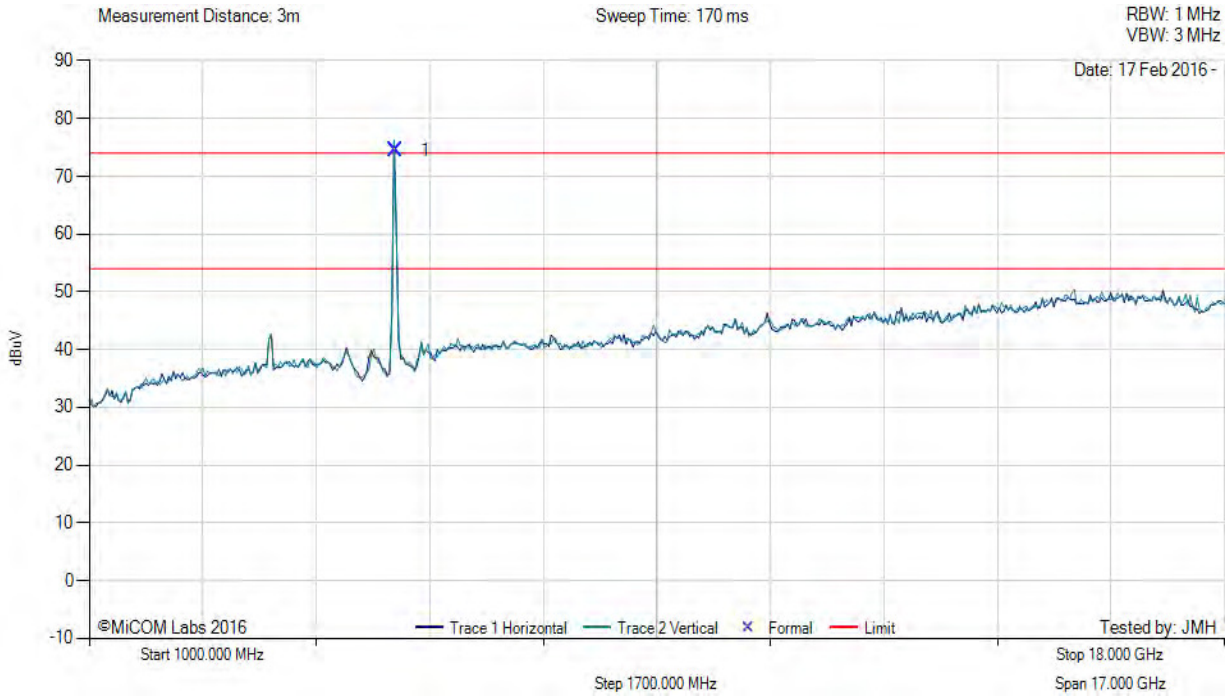
Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber.

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5580.00 MHz, Antenna: AP-ANT-40, 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	5577.72	81.93	3.81	-11.20	74.54	Fundamental	Horizontal	101	65	--	--	

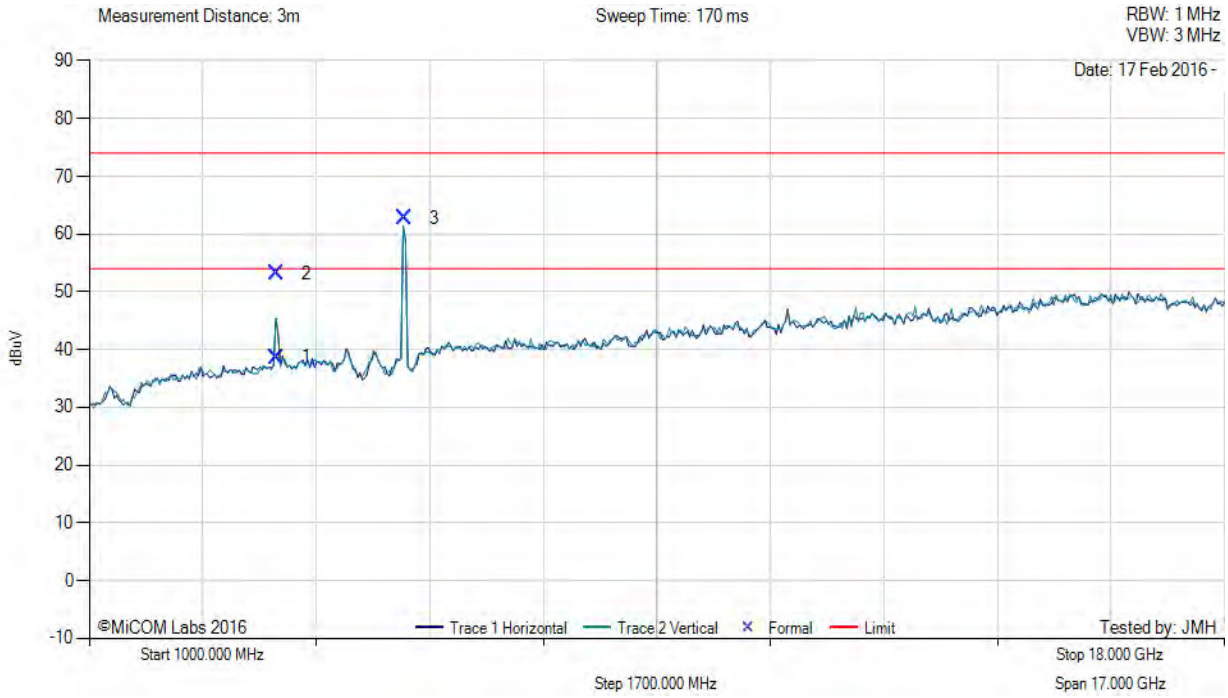
Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber.

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5720.00 MHz, Antenna: AP-ANT-40, 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	3810.43	46.31	3.25	-10.85	38.71	Max Avg	Horizontal	165	63	54.0	-15.3	Pass
2	3810.43	60.77	3.25	-10.85	53.17	Max Peak	Horizontal	165	63	74.0	-20.8	Pass
3	5713.95	69.71	3.82	-10.76	62.77	Fundamental	Horizontal	101	69	--	--	

Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber.

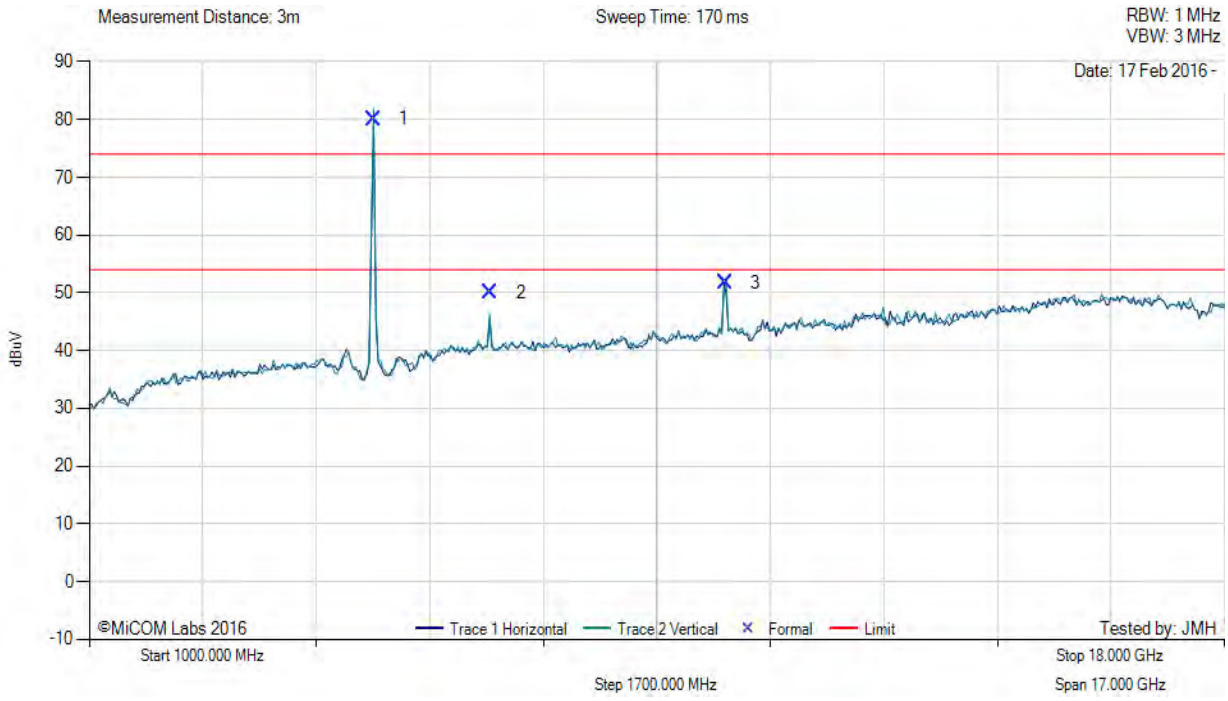
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A.1.1.6. AP-ANT-45

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5260.00 MHz, Antenna: AP-ANT-45, 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	5258.56	87.75	3.65	-11.29	80.11	Fundamental	Vertical	101	0	--	--	
2	7013.31	53.24	4.18	-7.42	50.00	Peak (NRB)	Vertical	151	0	--	--	Pass
3	10527.34	50.43	5.42	-4.18	51.67	Peak (NRB)	Vertical	151	0	--	--	Pass

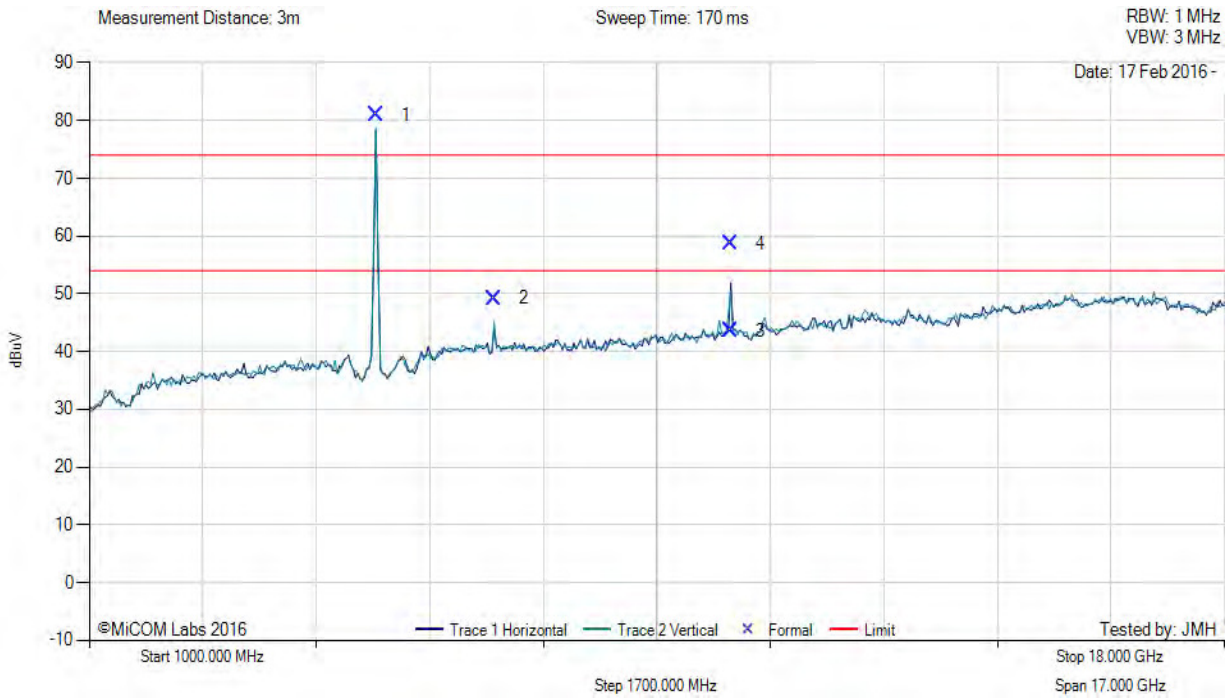
Test Notes: Eut on 150cm table powered by POE. Connected to laptop outside chamber.

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5300.00 MHz, Antenna: AP-ANT-45, 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	5294.39	88.24	3.78	-11.12	80.90	Fundamental	Horizontal	101	1	--	--	
2	7066.63	52.36	4.18	-7.34	49.20	Peak (NRB)	Vertical	151	2	--	--	Pass
3	10600.52	41.87	5.58	-3.93	43.52	Max Avg	Horizontal	151	358	54.0	-10.5	Pass
4	10600.52	57.08	5.58	-3.93	58.73	Max Peak	Horizontal	151	358	74.0	-15.3	Pass

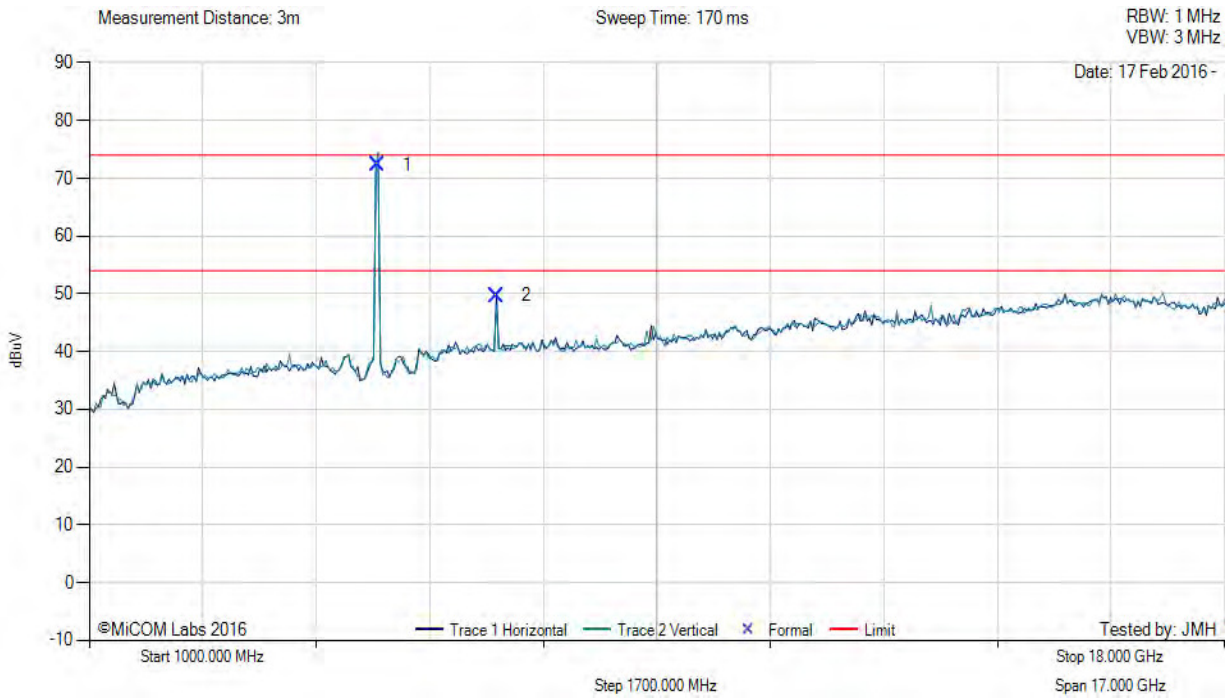
Test Notes: Eut on 150cm table powered by POE. Connected to laptop outside chamber.

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5320.00 MHz, Antenna: AP-ANT-45, 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	5317.95	79.67	3.75	-11.07	72.35	Fundamental	Vertical	151	0	--	--	
2	7093.35	52.81	4.23	-7.33	49.71	Peak (NRB)	Horizontal	151	0	--	--	Pass

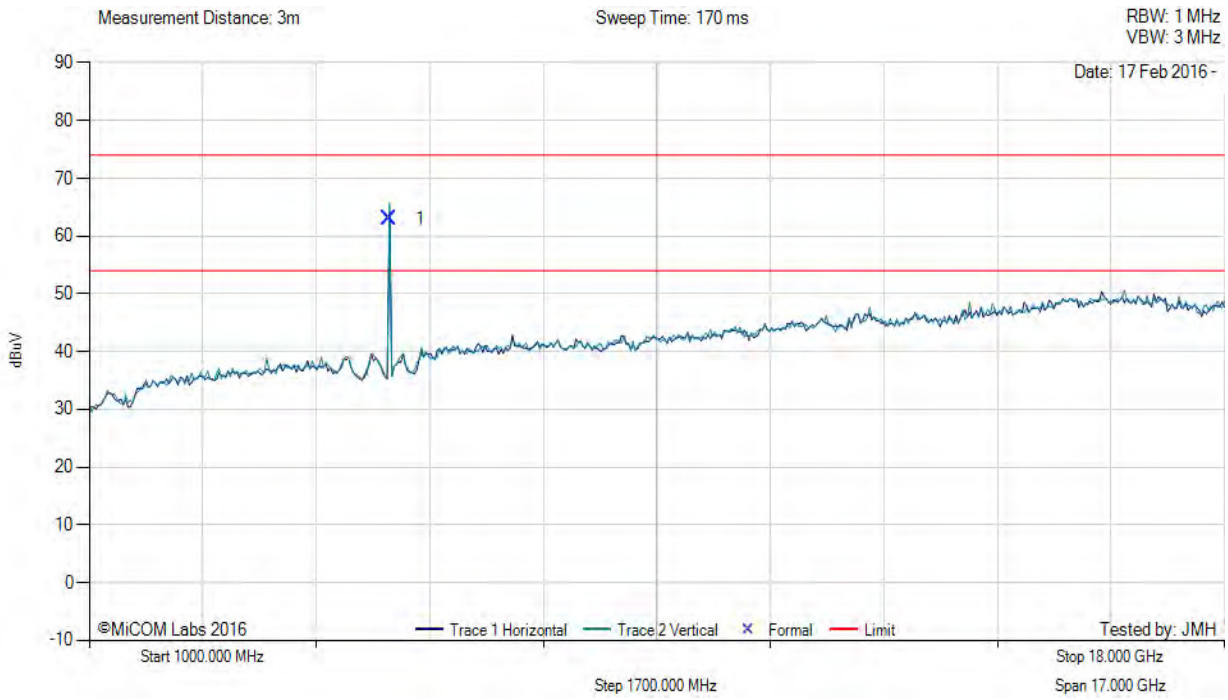
Test Notes: Eut on 150cm table powered by POE. Connected to laptop outside chamber.

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5500.00 MHz, Antenna: AP-ANT-45, 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	5497.43	70.47	3.73	-11.17	63.03	Fundamental	Vertical	151	1	--	--	

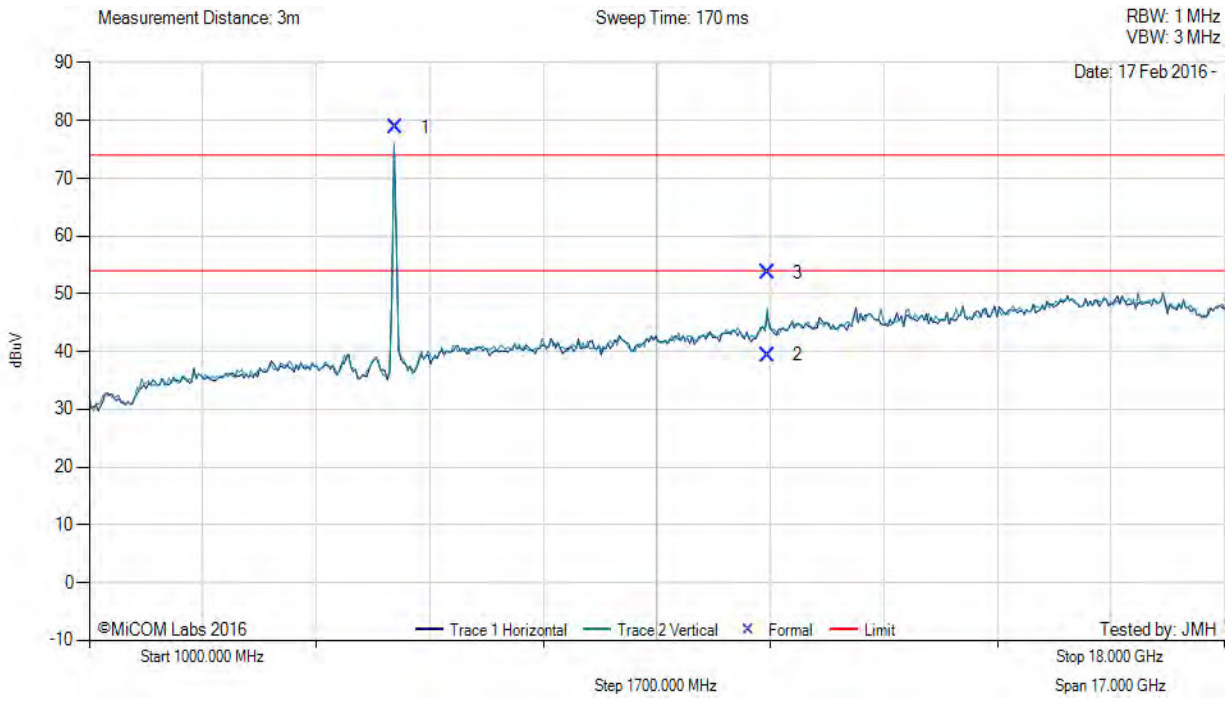
Test Notes: Eut on 150cm table powered by POE. Connected to laptop outside chamber.

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5580.00 MHz, Antenna: AP-ANT-45, 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	5578.72	86.13	3.80	-11.20	78.73	Fundamental	Vertical	151	0	--	--	
2	11159.57	37.63	5.85	-4.07	39.41	Max Avg	Vertical	128	30	54.0	-14.6	Pass
3	11159.57	51.91	5.85	-4.07	53.69	Max Peak	Vertical	128	30	74.0	-20.3	Pass

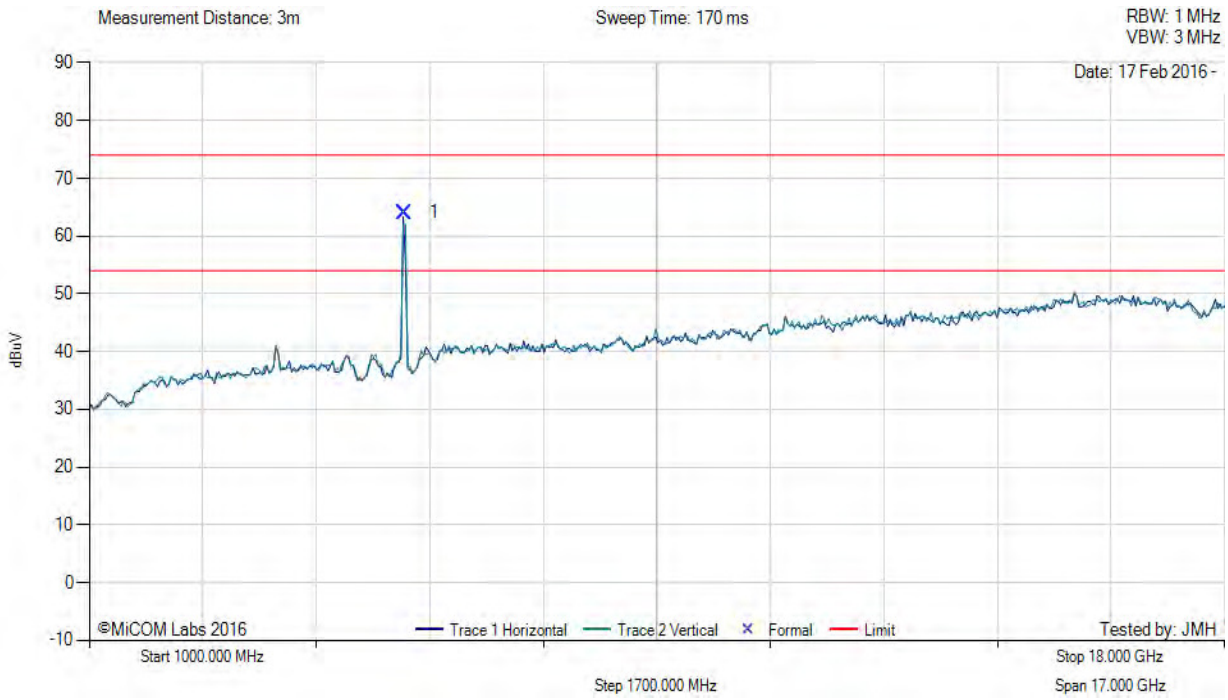
Test Notes: Eut on 150cm table powered by POE. Connected to laptop outside chamber.

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5720.00 MHz, Antenna: AP-ANT-45, Power Setting: 21, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5714.27	70.97	3.82	-10.76	64.03	Fundamental	Horizontal	101	0	--	--	

Test Notes: Eut on 150cm table powered by POE. Connected to laptop outside chamber.

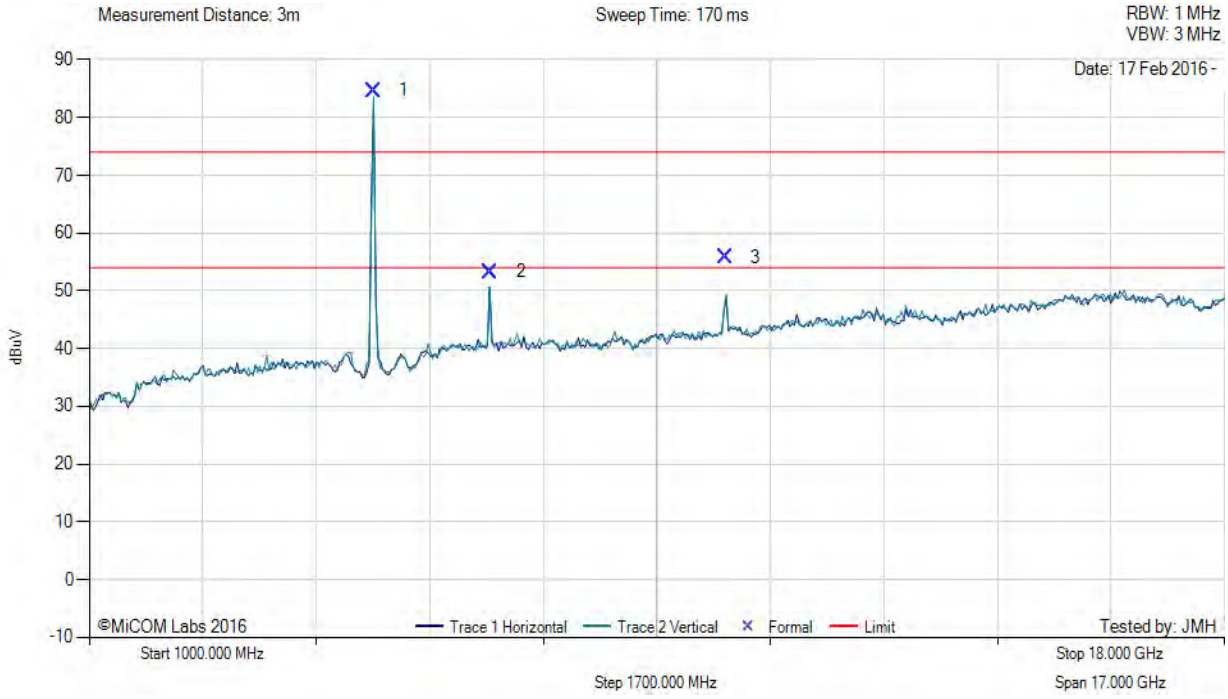
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A.1.1.7. AP-ANT-48

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5260.00 MHz, Antenna: AP-ANT-48, 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	5254.31	92.33	3.64	-11.32	84.65	Fundamental	Vertical	151	1	--	--	
2	7013.22	56.54	4.18	-7.42	53.30	Peak (NRB)	Horizontal	151	1	--	--	Pass
3	10529.66	54.49	5.44	-4.16	55.77	Peak (NRB)	Vertical	151	21	--	--	Pass

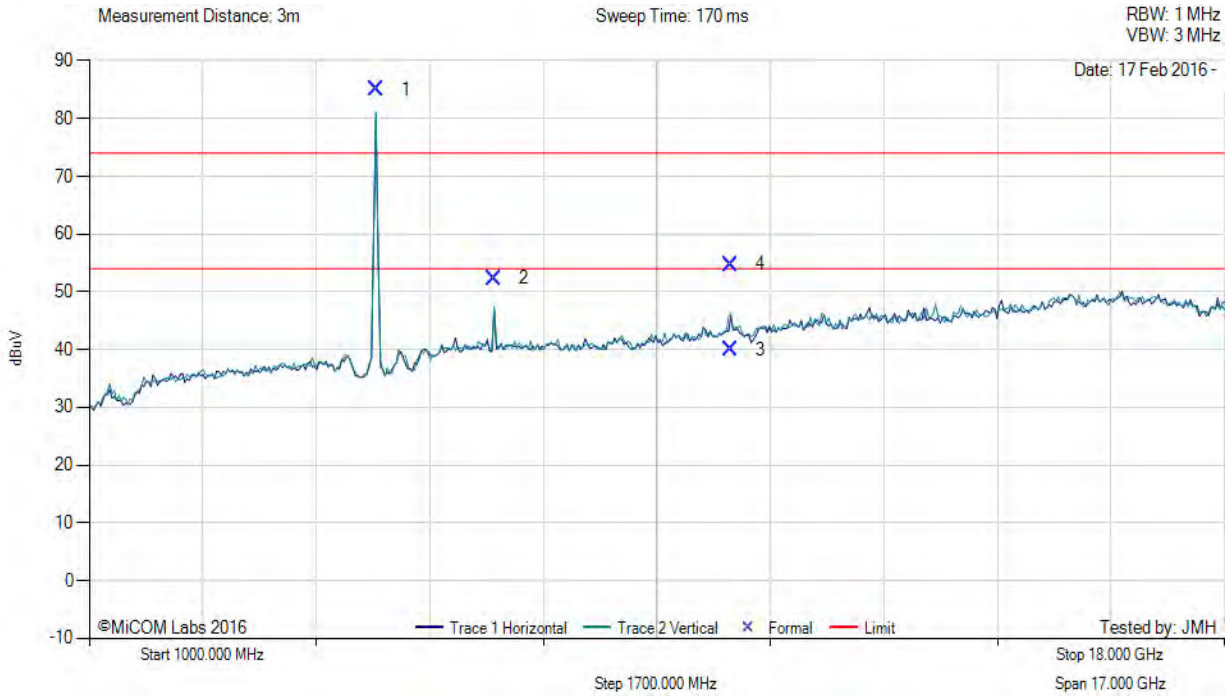
Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5300.00 MHz, Antenna: AP-ANT-48, 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	5294.31	92.43	3.78	-11.12	85.09	Fundamental	Vertical	151	1	--	--	
2	7066.52	55.49	4.18	-7.34	52.33	Peak (NRB)	Vertical	151	21	--	--	Pass
3	10602.37	38.38	5.57	-3.93	40.02	Max Avg	Vertical	172	314	54.0	-14.0	Pass
4	10602.37	53.07	5.57	-3.93	54.71	Max Peak	Vertical	172	314	74.0	-19.3	Pass

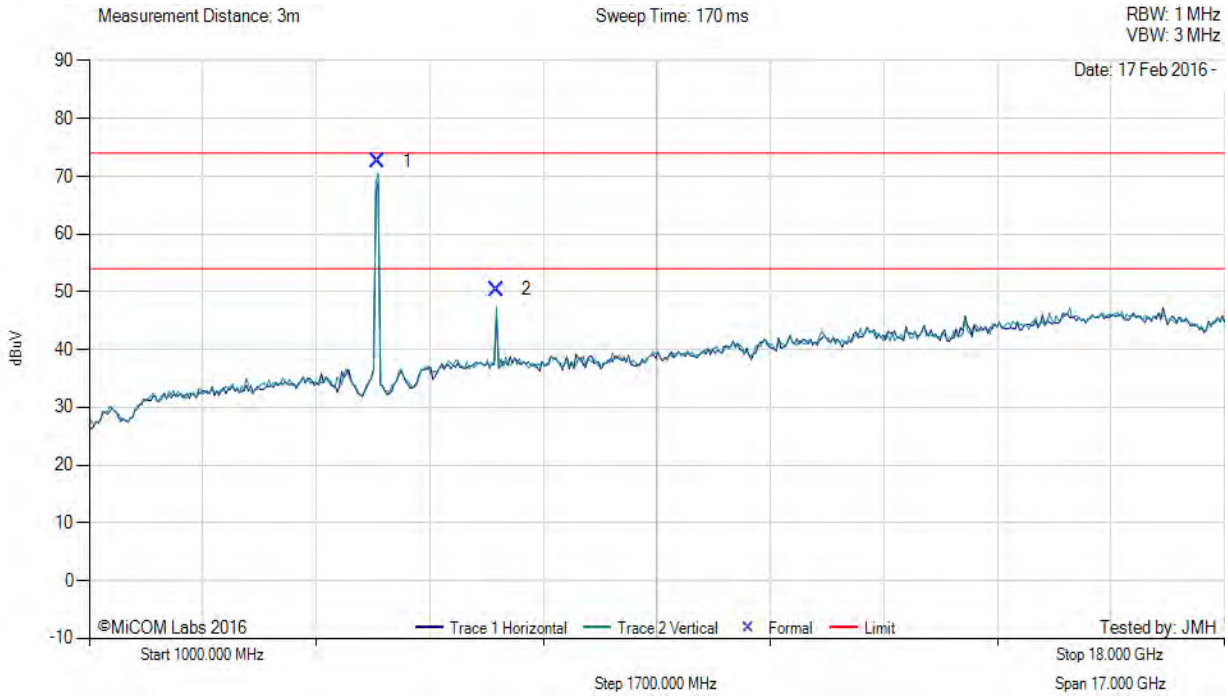
Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5320.00 MHz, Antenna: AP-ANT-48, 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	5314.10	79.81	3.76	-11.07	72.50	Fundamental	Vertical	151	0	--	--	
2	7093.40	53.54	4.23	-7.33	50.44	Peak (NRB)	Vertical	151	0	--	--	Pass

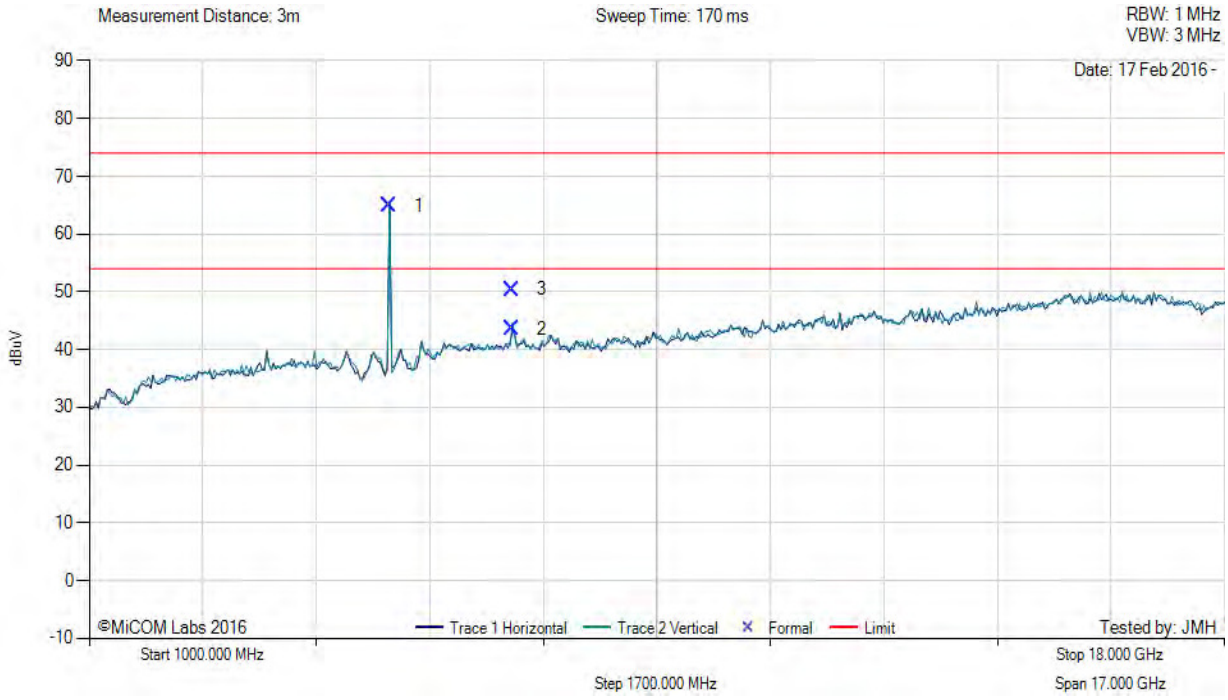
Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5500.00 MHz, Antenna: AP-ANT-48, 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	5493.26	72.32	3.72	-11.18	64.86	Fundamental	Vertical	200	0	--	--	
2	7333.23	46.56	4.28	-7.24	43.60	Max Avg	Vertical	150	356	54.0	-10.4	Pass
3	7333.23	53.38	4.28	-7.24	50.42	Max Peak	Vertical	150	356	74.0	-23.6	Pass

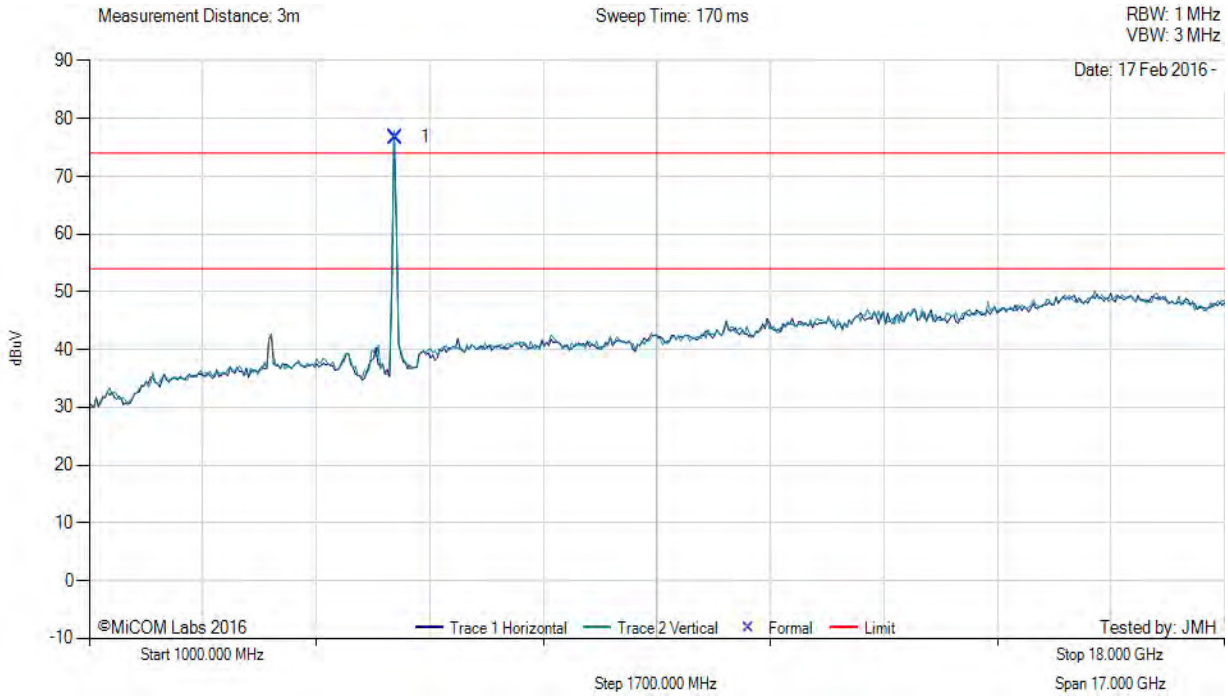
Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5580.00 MHz, Antenna: AP-ANT-48, 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	5584.89	84.12	3.79	-11.19	76.72	Fundamental	Horizontal	101	0	--	--	

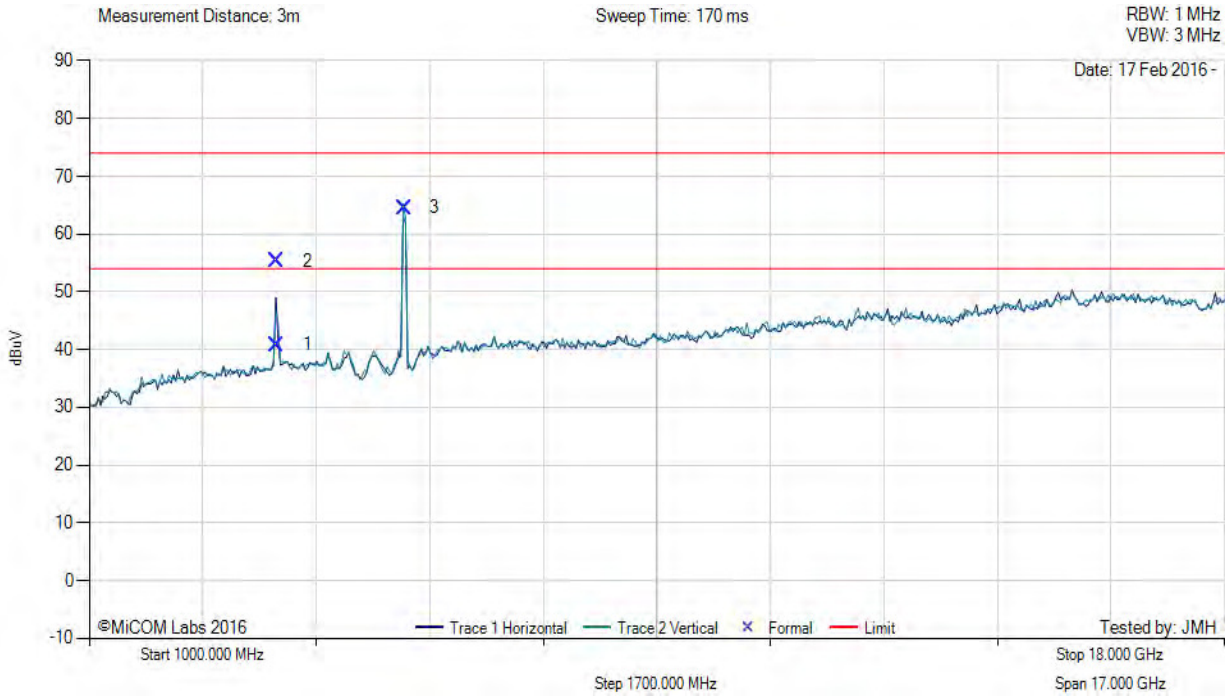
Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5720.00 MHz, Antenna: AP-ANT-48, 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	3813.71	48.44	3.24	-10.85	40.83	Max Avg	Horizontal	186	15	54.0	-13.2	Pass
2	3813.71	62.88	3.24	-10.85	55.27	Max Peak	Horizontal	186	15	74.0	-18.7	Pass
3	5721.16	71.45	3.80	-10.73	64.52	Fundamental	Vertical	101	0	--	--	

Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber

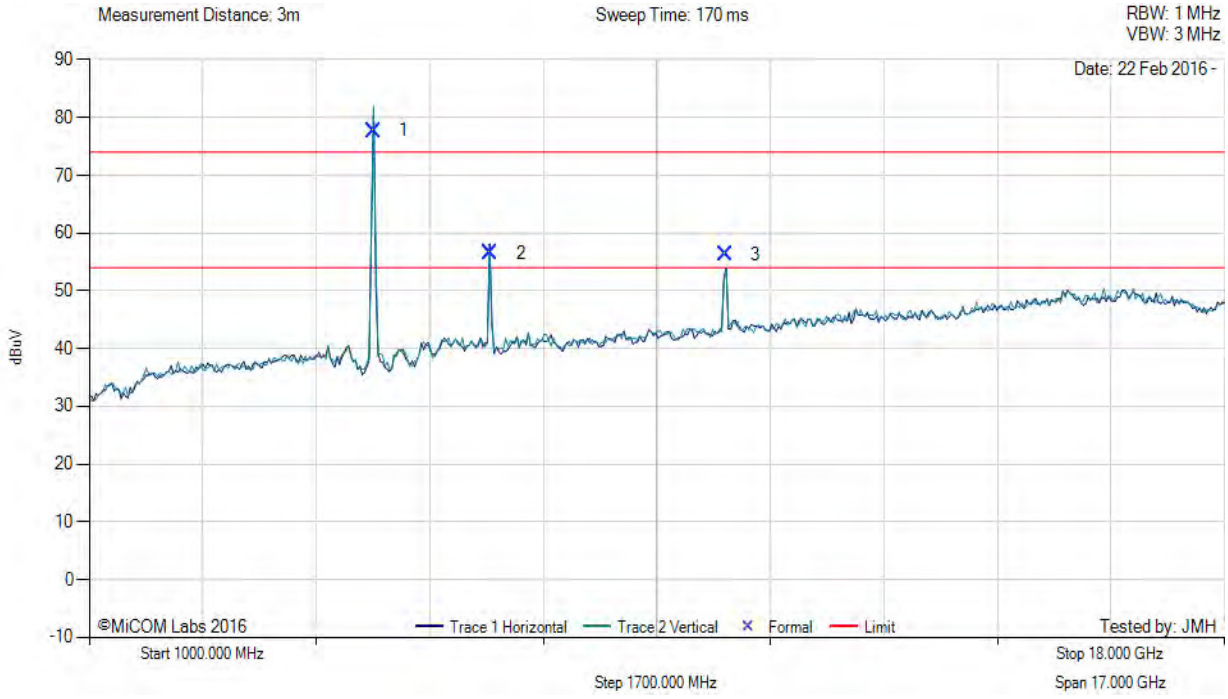
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A.1.1.8. Metal Sheet

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5260.00 MHz, Antenna: 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	5254.87	85.38	3.64	-11.32	77.70	Fundamental	Horizontal	101	24	--	--	
2	7013.34	59.68	4.18	-7.42	56.44	Peak (NRB)	Horizontal	101	51	--	--	Pass
3	10524.05	55.03	5.43	-4.19	56.27	Peak (NRB)	Horizontal	101	51	--	--	Pass

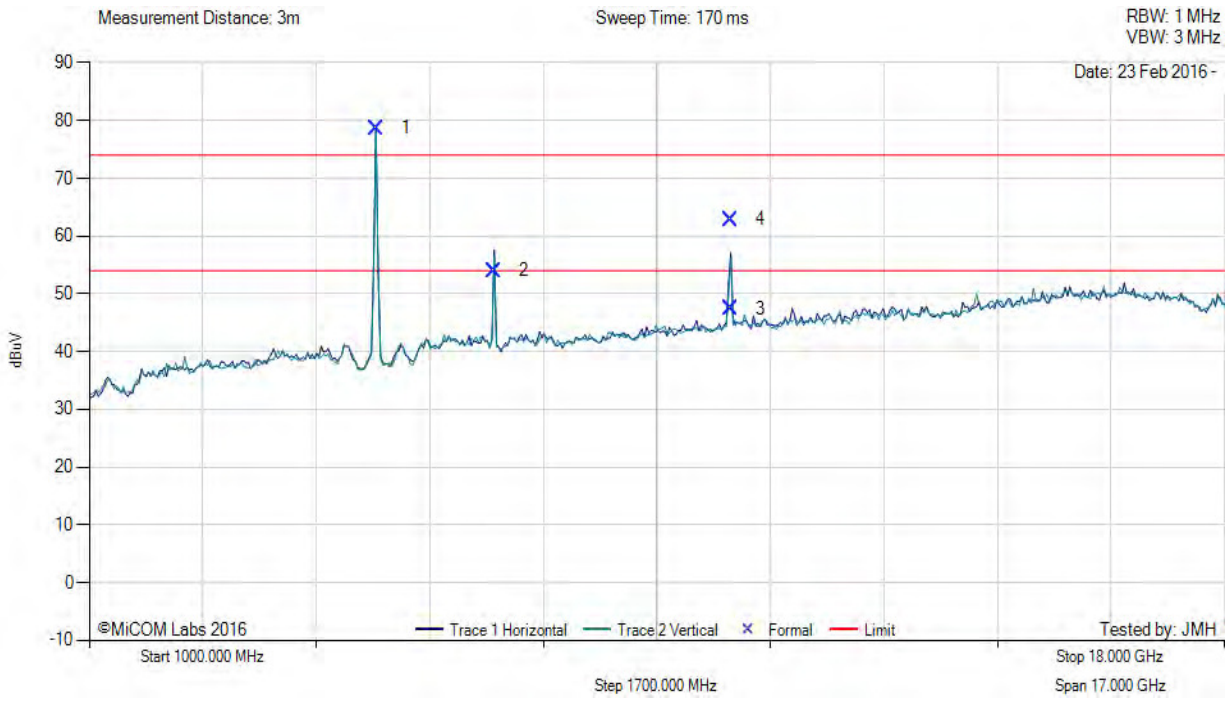
Test Notes: EUT on 150cm table powered by POE, connected to laptop outside table.

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5300.00 MHz, Antenna: 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	5303.61	85.94	3.80	-11.08	78.66	Fundamental	Horizontal	153	37	--	--	
2	7066.73	57.12	4.18	-7.34	53.96	Peak (NRB)	Horizontal	148	0	--	--	Pass
3	10603.88	45.77	5.56	-3.92	47.41	Max Avg	Horizontal	185	277	54.0	-6.6	Pass
4	10603.88	61.22	5.56	-3.92	62.86	Max Peak	Horizontal	185	277	74.0	-11.1	Pass

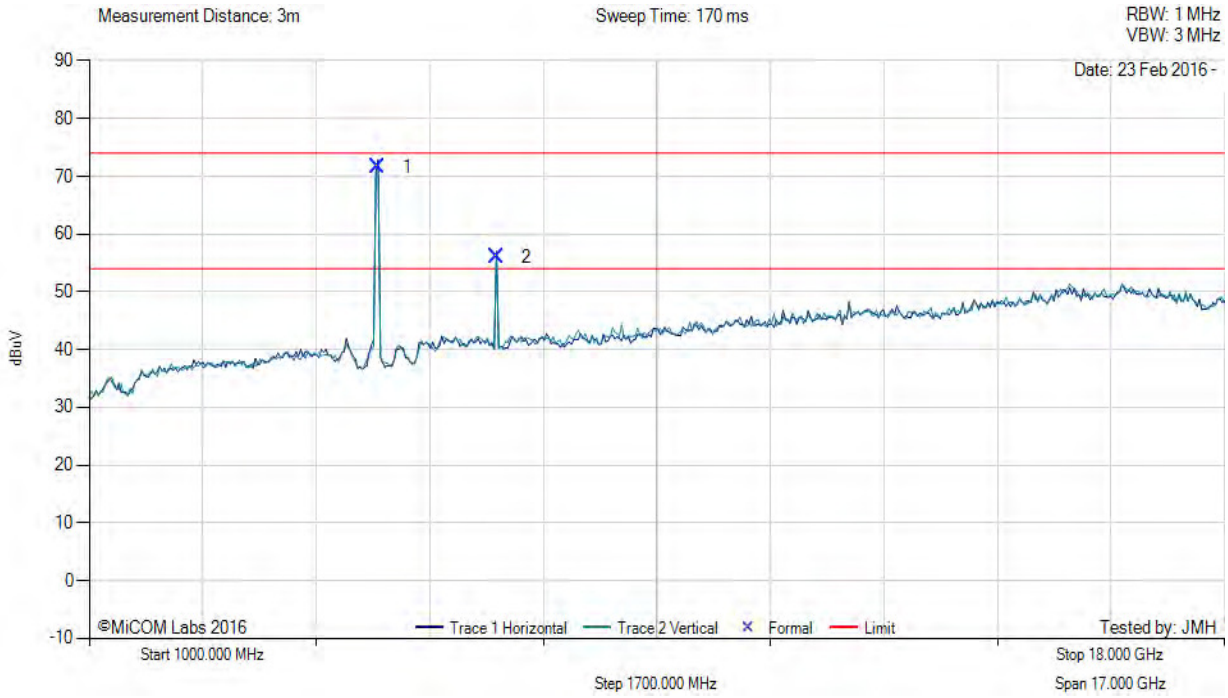
Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5320.00 MHz, Antenna: Metal Sheet, 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	5314.51	78.95	3.76	-11.07	71.64	Fundamental	Horizontal	101	19	--	--	
2	7093.34	59.06	4.23	-7.33	55.96	Peak (NRB)	Horizontal	101	68	--	--	Pass

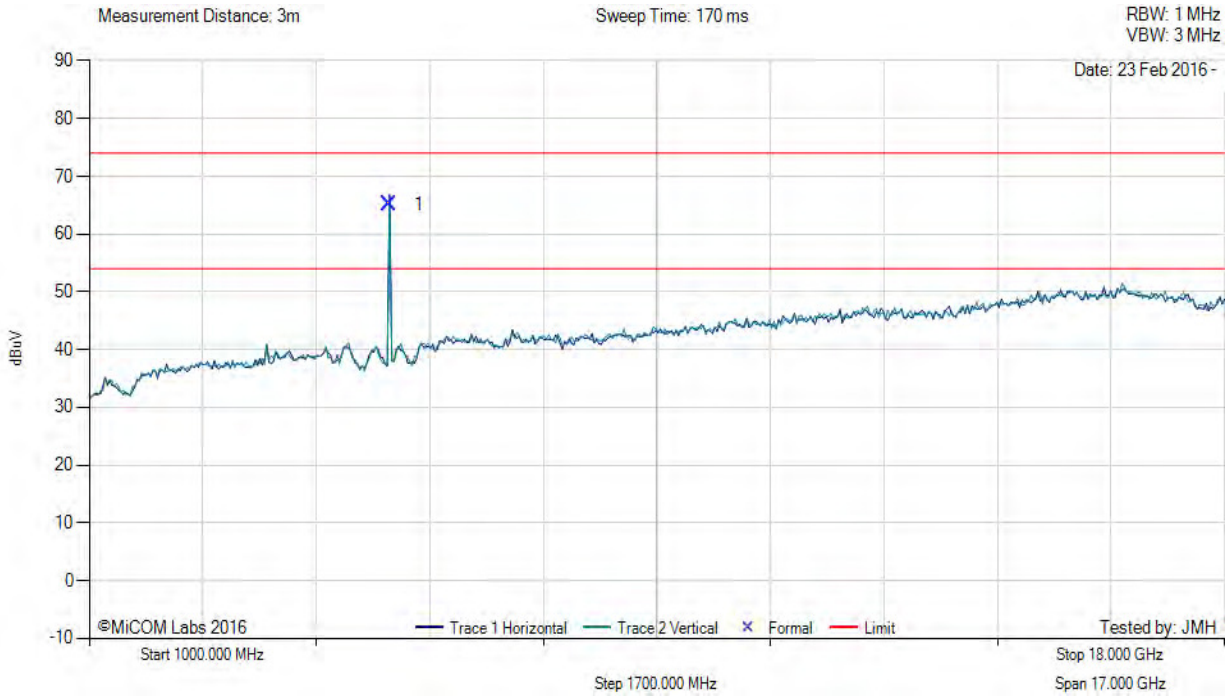
Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5500.00 MHz, Antenna: Metal Sheet, 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	5493.66	72.60	3.72	-11.17	65.15	Fundamental	Horizontal	101	25	--	--	

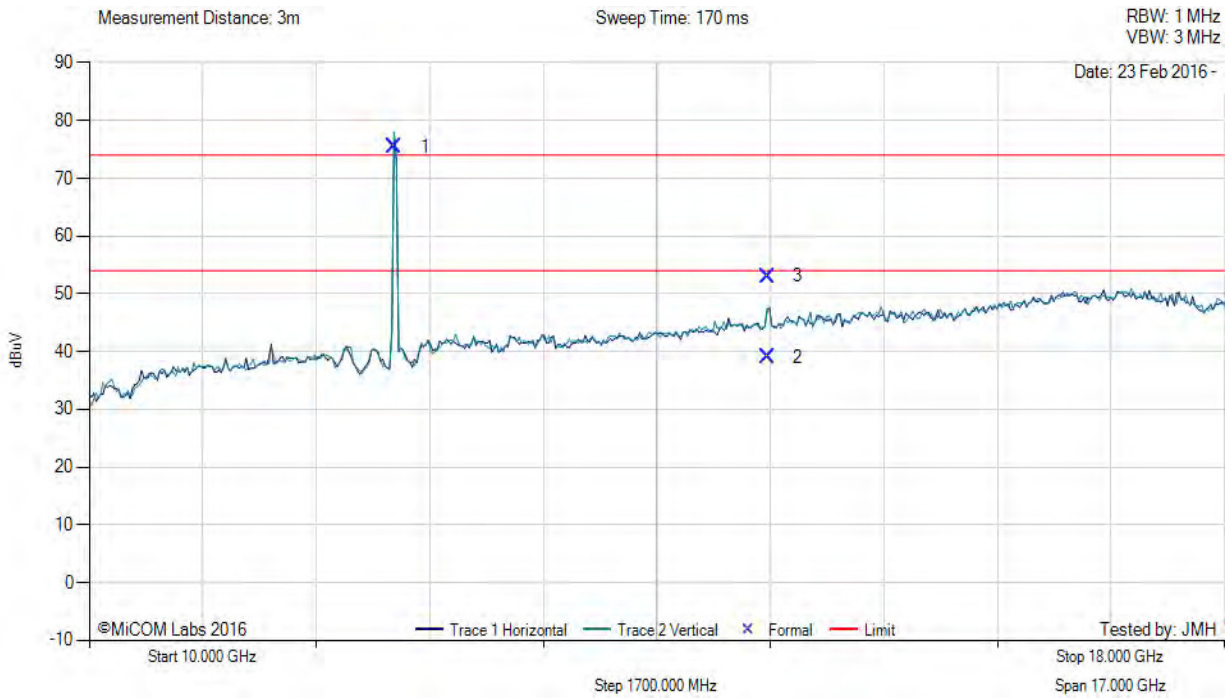
Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5580.00 MHz, Antenna: 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	5574.55	82.78	3.81	-11.21	75.38	Fundamental	Horizontal	101	18	--	--	
2	11161.20	37.25	5.81	-4.07	38.99	Max Avg	Horizontal	150	307	54.0	-15.0	Pass
3	11161.20	51.28	5.81	-4.07	53.02	Max Peak	Horizontal	150	307	74.0	-21.0	Pass

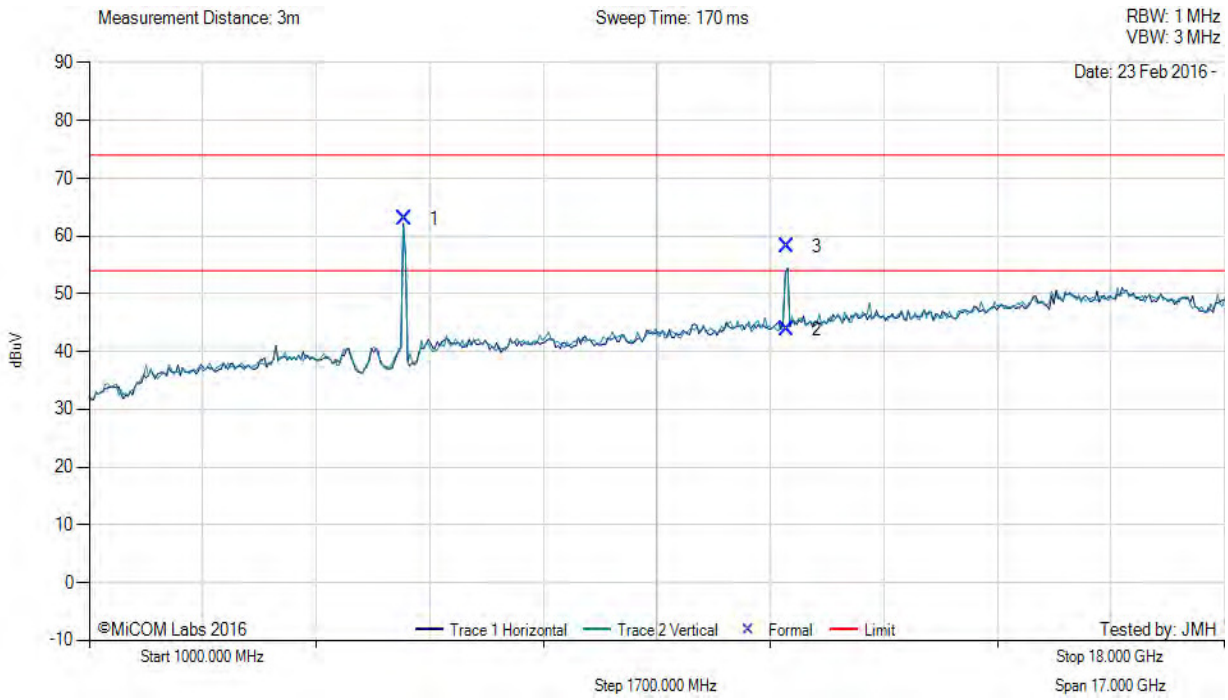
Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5720.00 MHz, Antenna: 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	5725.13	69.89	3.79	-10.72	62.96	Fundamental	Horizontal	151	30	--	--	
2	11449.54	43.23	5.44	-4.92	43.75	Max Avg	Horizontal	169	55	54.0	-10.3	Pass
3	11449.54	57.61	5.44	-4.92	58.13	Max Peak	Horizontal	169	55	74.0	-15.9	Pass

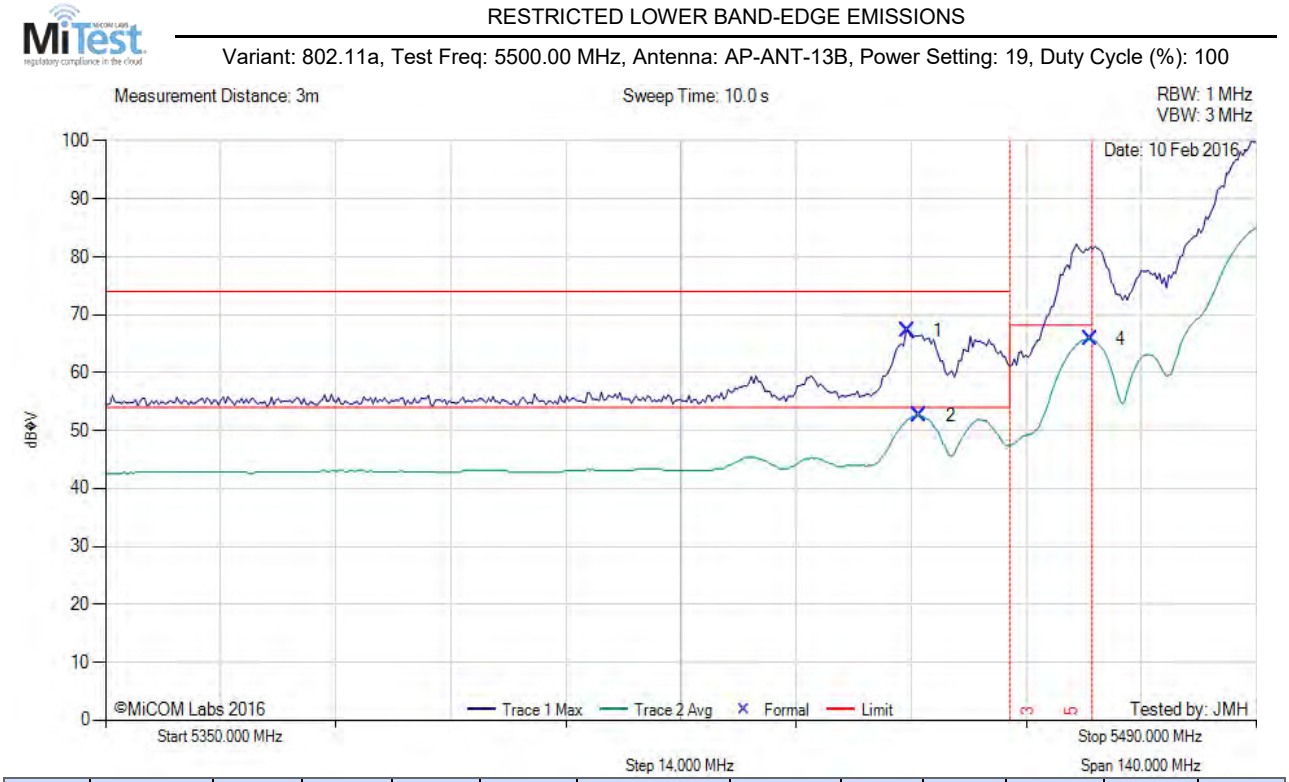
Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber

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A.1.2. Restricted Band and Band-Edge Emissions

A.1.2.1. 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	5447.54	29.22	3.77	34.30	67.29	Max Peak	Horizontal	153	30	74.0	-6.7	Pass
2	5449.04	14.60	3.77	34.30	52.67	Max Avg	Horizontal	153	30	54.0	-1.3	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5469.79	27.72	3. 479	34.32	65.83	Max Avg	Horizontal	153	30	68.2*	-2.4	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

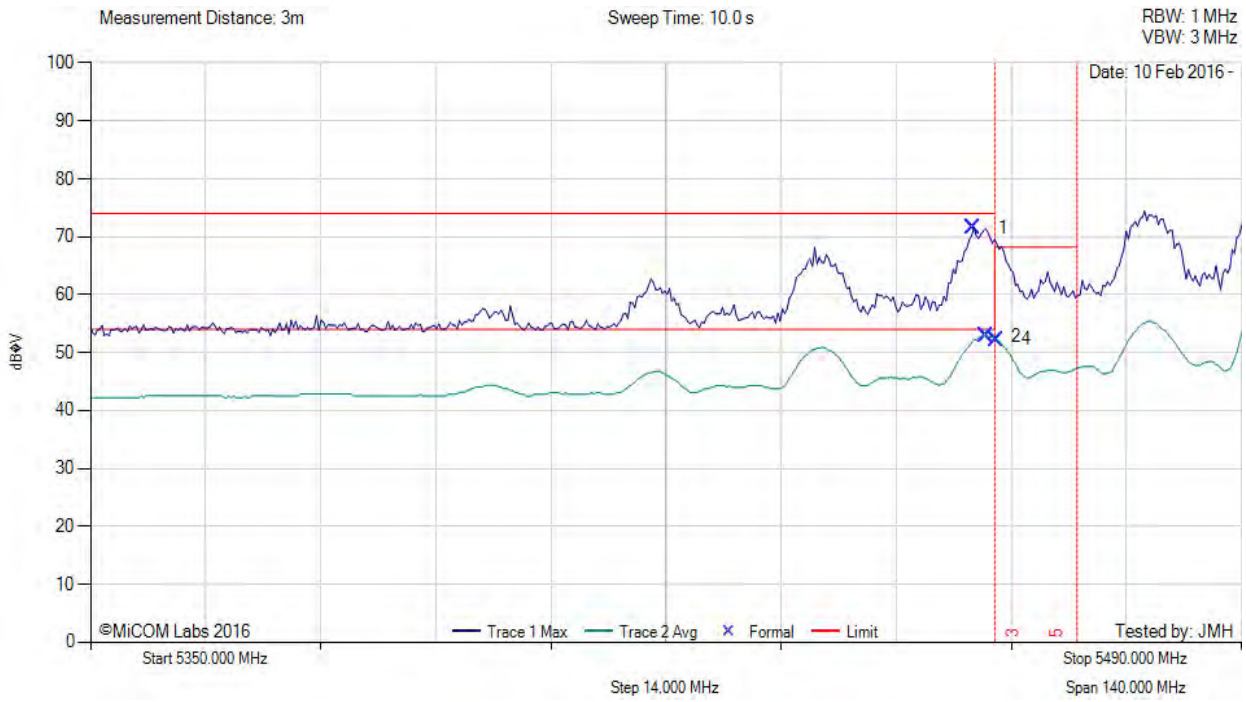
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5530.00 MHz, Antenna: AP-ANT-13B, Power Setting: 13.5, 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	5457.35	33.44	3.80	34.30	71.54	Max Peak	Horizontal	153	30	74.0	-2.5	Pass
2	5458.90	14.79	3.79	34.31	52.89	Max Avg	Horizontal	153	30	54.0	-1.1	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5460.20	14.13	3.79	34.31	52.23	Max Avg	Horizontal	153	30	68.2*	-16.0	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

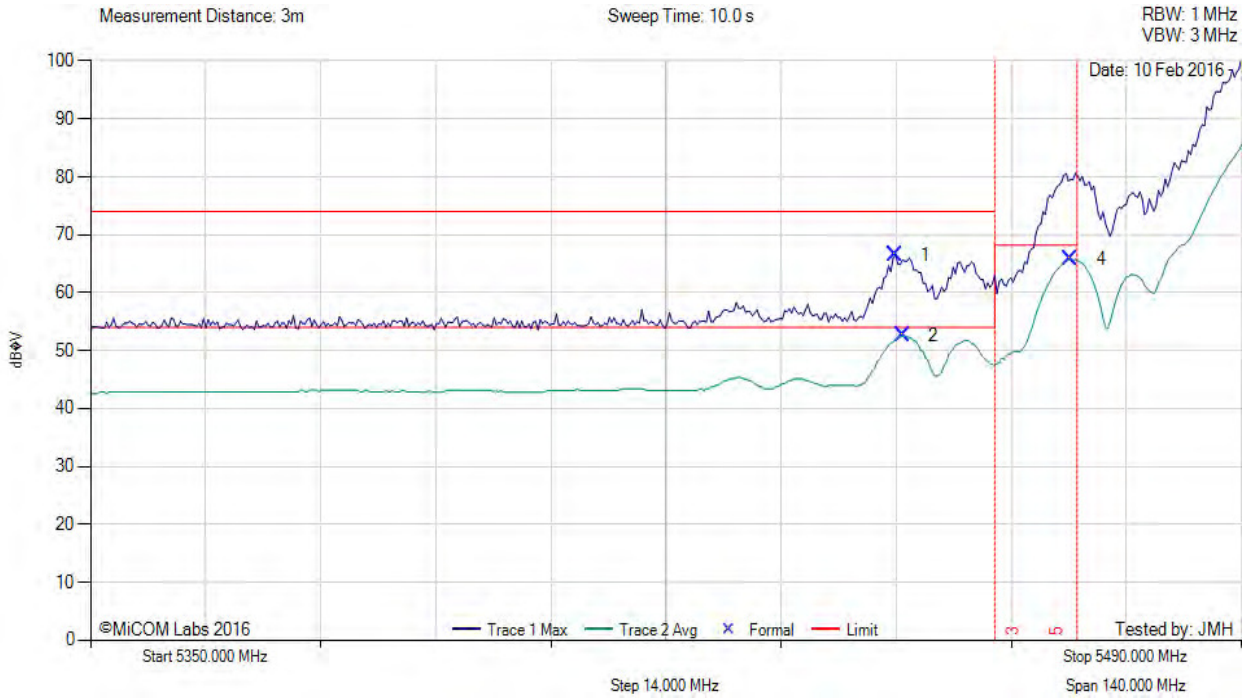
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5500.00 MHz, Antenna: AP-ANT-13B, 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	5447.82	28.45	3.77	34.30	66.52	Max Peak	Horizontal	153	30	74.0	-7.5	Pass
2	5448.80	14.49	3.77	34.30	52.56	Max Avg	Horizontal	153	30	54.0	-1.4	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5469.24	27.70	3.79	34.32	65.81	Max Avg	Horizontal	153	30	68.2*	-2.4	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

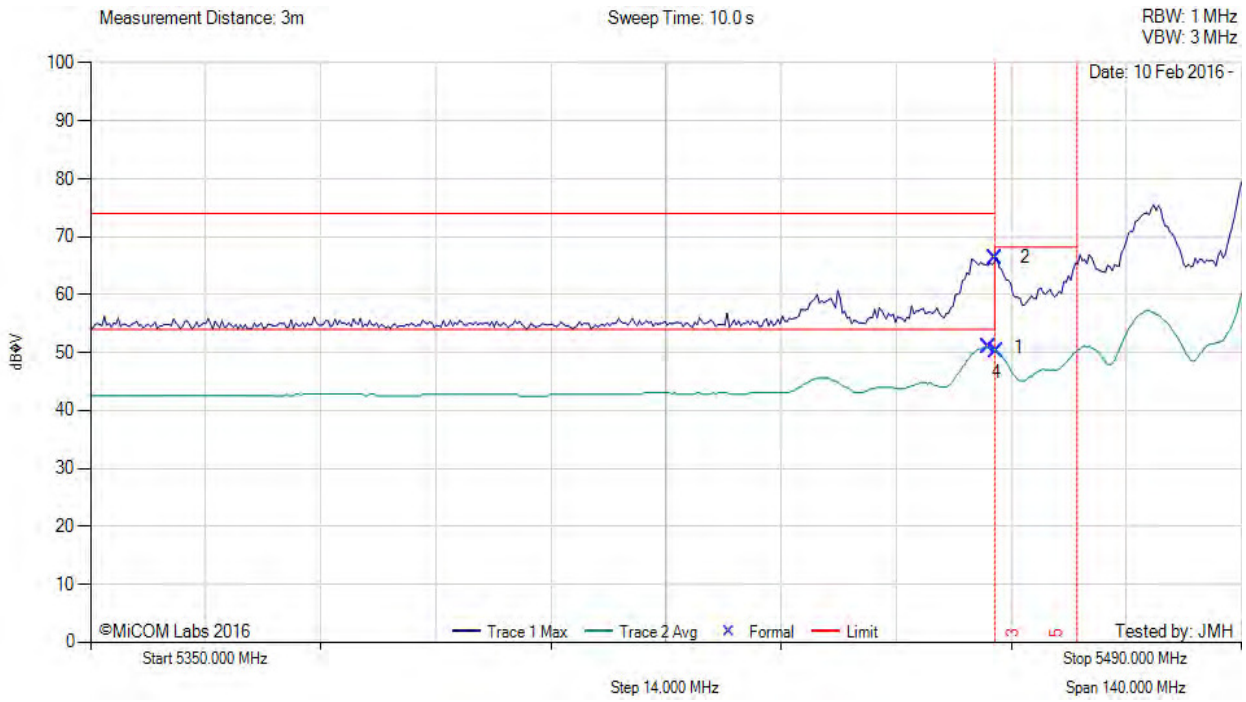
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5510.00 MHz, Antenna: AP-ANT-13B, 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	5459.18	12.80	3.79	34.31	50.90	Max Avg	Horizontal	153	30	54.0	-3.1	Pass
2	5459.98	28.27	3.79	34.31	66.37	Max Peak	Horizontal	153	30	74.0	-7.6	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5460.26	12.11	3.79	34.31	50.21	Max Avg	Horizontal	153	30	68.2*	-18.0	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

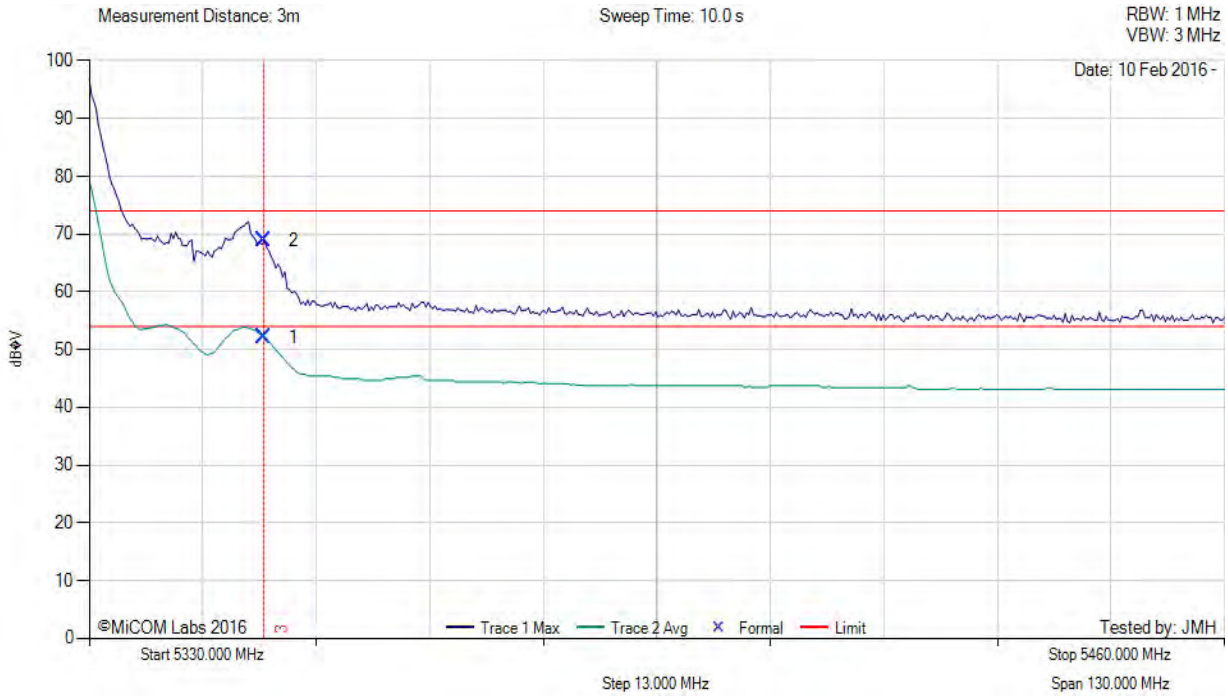
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5320.00 MHz, Antenna: AP-ANT-13B, Power Setting: 16, 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	5350.00	14.00	3.70	34.51	52.21	Max Avg	Horizontal	171	317	54.0	-1.8	Pass
2	5350.00	30.72	3.70	34.51	68.93	Max Peak	Horizontal	171	317	74.0	-5.1	Pass
3	5350.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

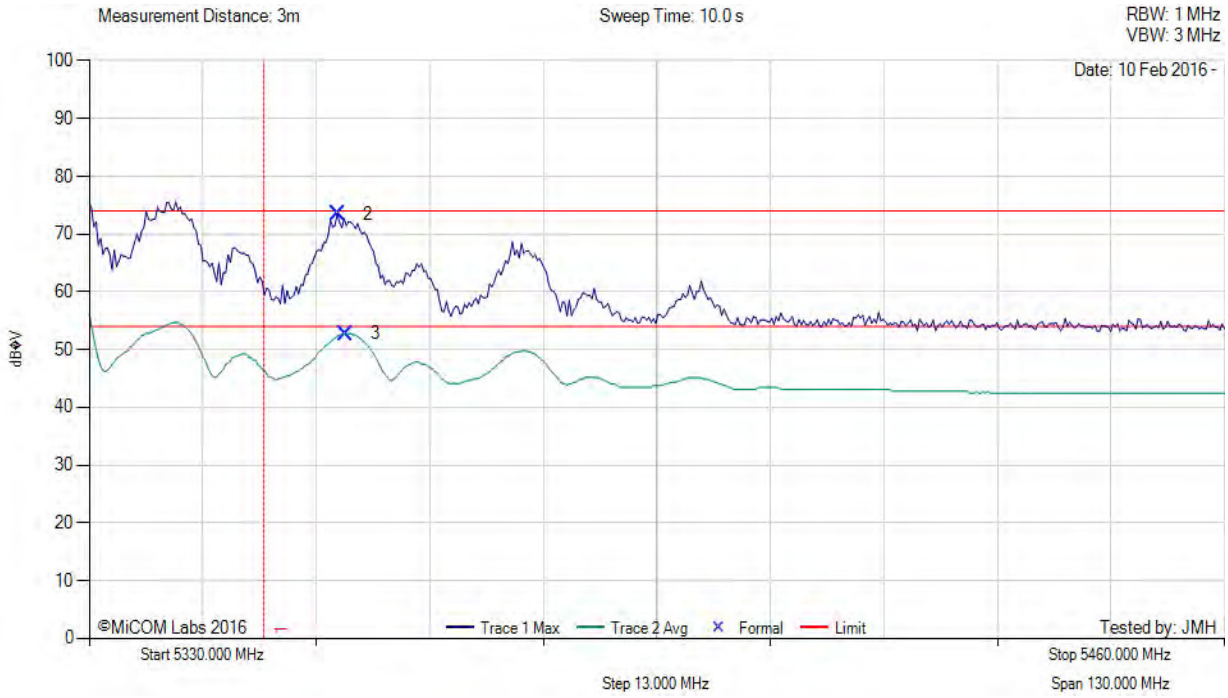
Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5290.00 MHz, Antenna: AP-ANT-13B, Power Setting: 11.5, 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
2	5358.44	35.28	3.71	34.49	73.48	Max Peak	Horizontal	171	317	74.0	-0.5	Pass
3	5359.34	14.56	3.71	34.49	52.76	Max Avg	Horizontal	171	317	54.0	-1.2	Pass
1	5350.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

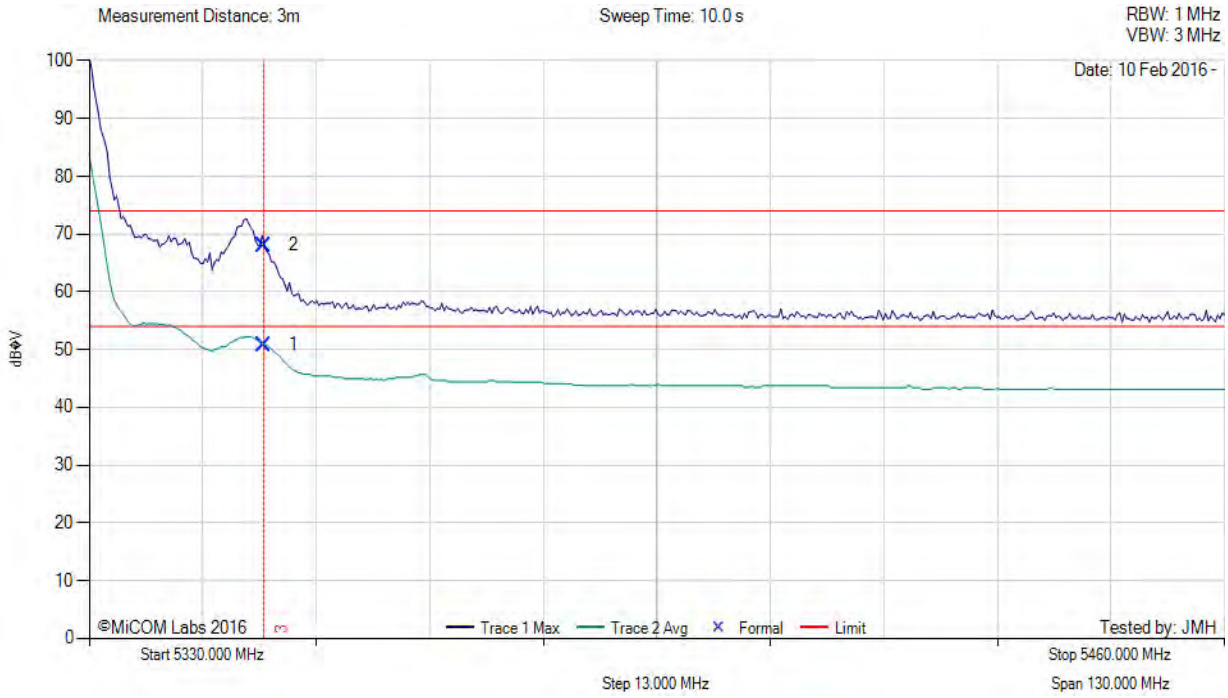
Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5320.00 MHz, Antenna: AP-ANT-13B, Power Setting: 16, 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	5350.00	12.64	3.70	34.51	50.85	Max Avg	Horizontal	171	317	54.0	-3.2	Pass
2	5350.00	29.88	3.70	34.51	68.09	Max Peak	Horizontal	171	317	74.0	-5.9	Pass
3	5350.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

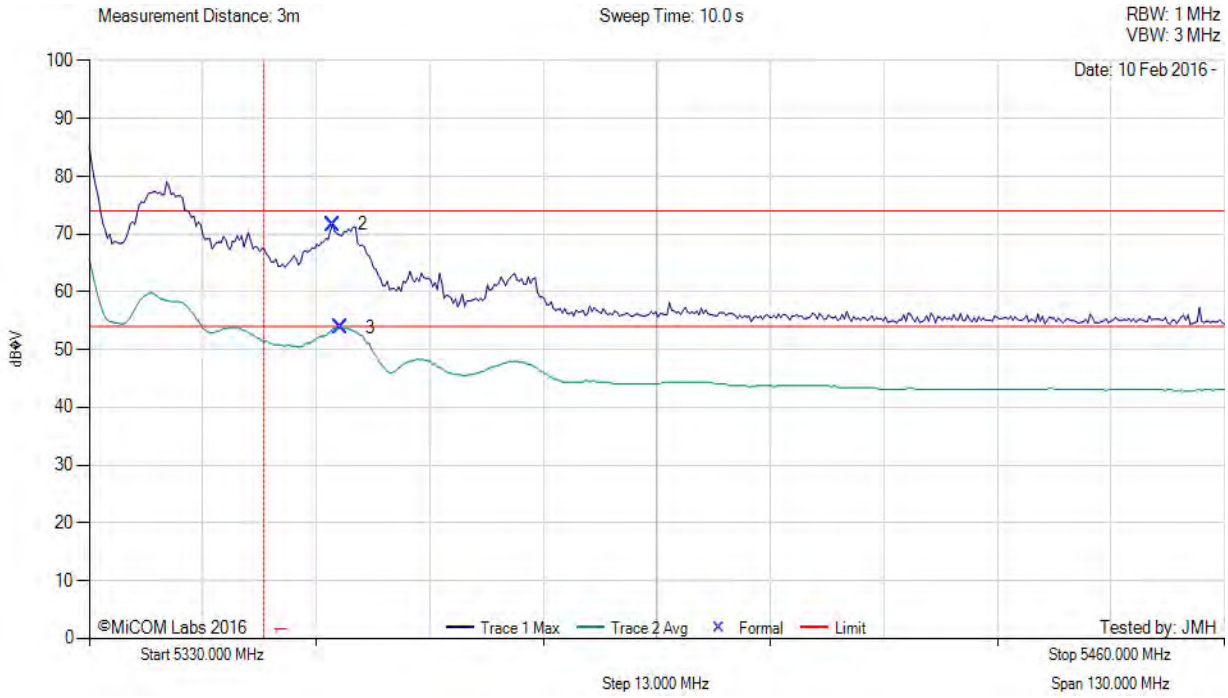
Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5310.00 MHz, Antenna: AP-ANT-13B, 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
2	5357.92	33.43	3.71	34.49	71.63	Max Peak	Horizontal	171	317	74.0	-2.4	Pass
3	5358.82	15.57	3.71	34.49	53.77	Max Avg	Horizontal	171	317	54.0	-0.2	Pass
1	5350.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

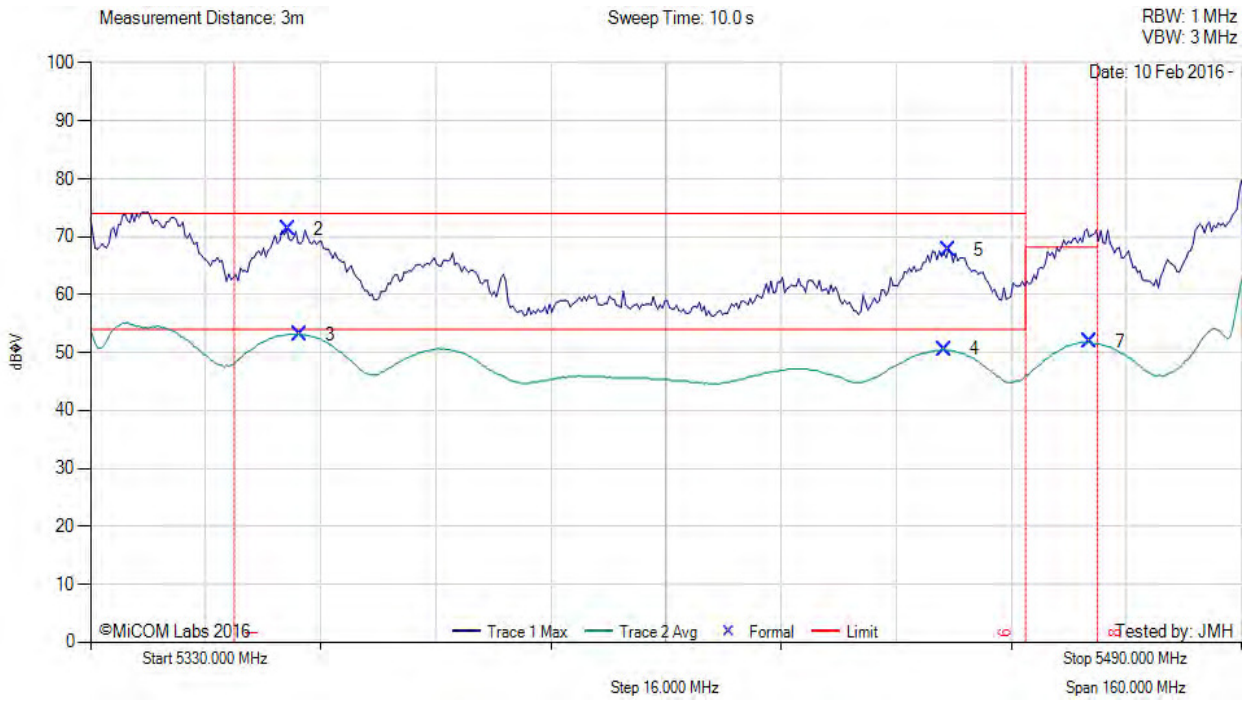
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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5290.00 MHz, Antenna: AP-ANT-13B, Power Setting: 13.5, 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	5350.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
2	5357.41	33.15	3.71	34.49	71.35	Max Peak	Horizontal	171	317	74.0	-2.7	Pass
3	5359.08	14.88	3.71	34.49	53.08	Max Avg	Horizontal	171	317	54.0	-0.9	Pass
4	5448.63	12.55	3.77	34.30	50.62	Max Avg	Horizontal	171	317	54.0	-3.4	Pass
5	5449.27	29.68	3.77	34.30	67.75	Max Peak	Horizontal	171	317	74.0	-5.3	Pass
6	5460.00	--	--	--	--	Band-Edge	--	--	--	--	--	--
7	5468.84	13.79	3.79	34.32	51.90	Max Avg	Horizontal	153	30	68.2*	-16.3	Pass
8	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

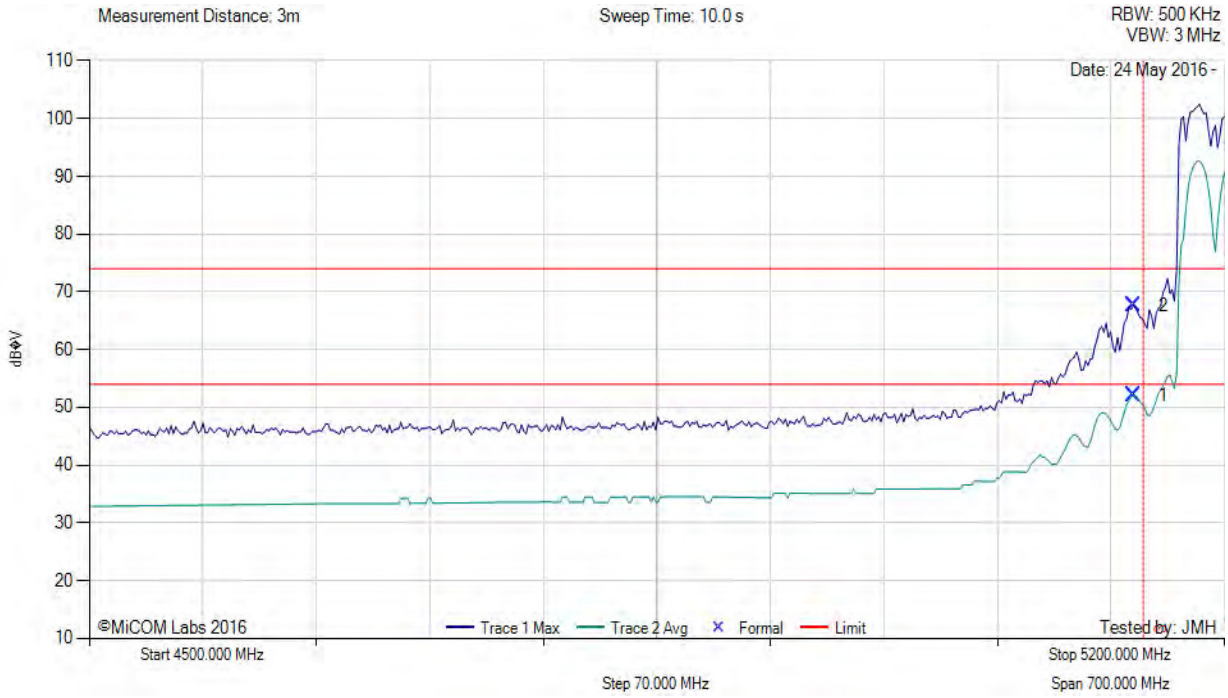
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-160, Test Freq: 5250.00 MHz, Antenna: AP-ANT-13B, Power Setting: 14, Duty Cycle (%): 91



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5143.89	14.28	3.70	34.12	52.10	Max Avg	Vertical	200	357	54.0	-1.9	Pass
2	5143.89	29.86	3.70	34.12	67.68	Max Peak	Vertical	200	357	74.0	-6.3	Pass
3	5150.00	--	--	--	--	Band Edge	--	--	--	--	--	--

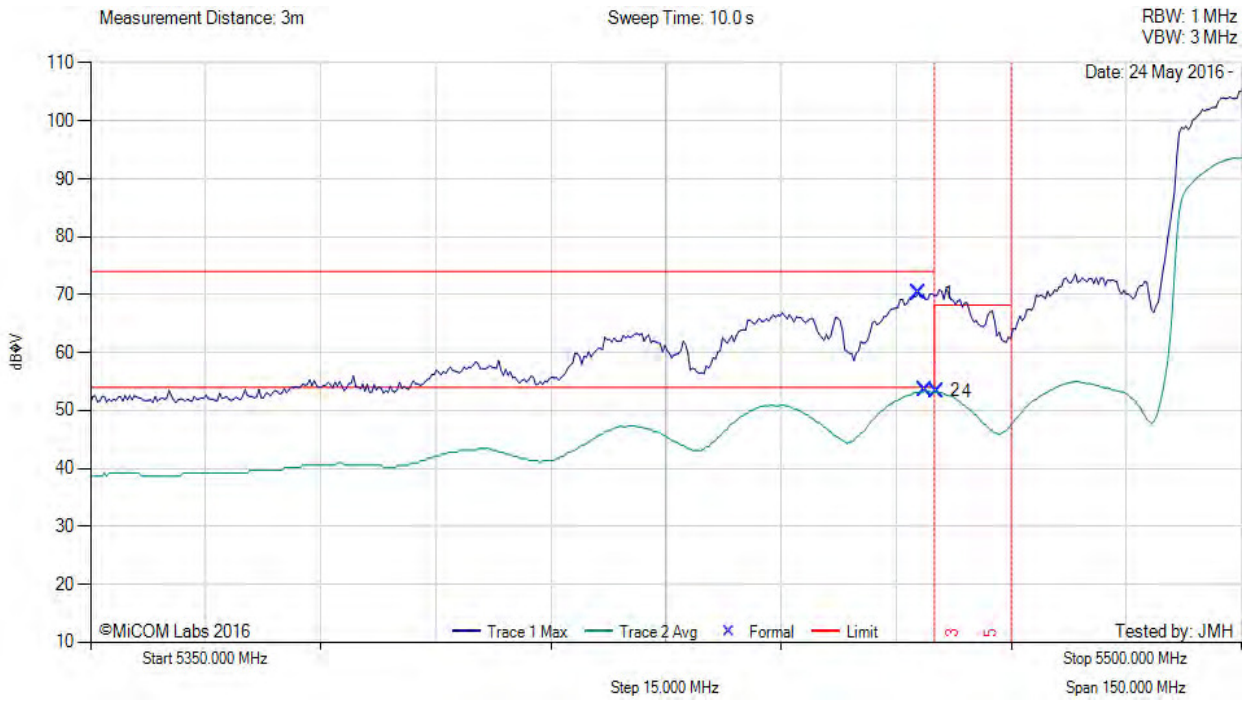
Test Notes: EUT on 150cm table powered by PDSine 9001GR POE. Power reduced to meet Band Edge Limits.

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-160, Test Freq: 5570.00 MHz, Antenna: AP-ANT-13B, Power Setting: 14.5, Duty Cycle (%): 91



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5457.86	32.11	3.80	34.30	70.21	Max Peak	Vertical	199	357	74.0	-3.8	Pass
2	5458.68	15.39	3.79	34.31	53.49	Max Avg	Vertical	199	357	54.0	-0.5	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5460.32	15.10	3.79	34.31	53.20	Max Avg	Horizontal	153	30	68.2*	-15.0	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by PDSine 9001GR POE. Power reduced to meet Band Edge Limits.

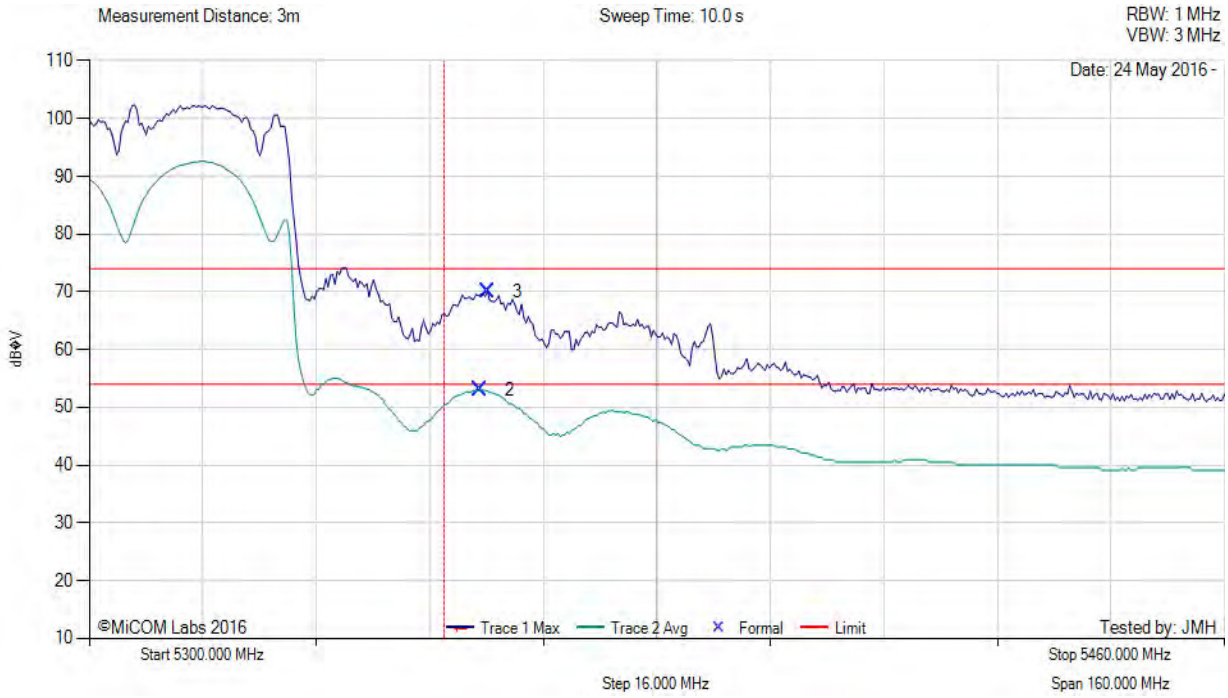
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11ac-160, Test Freq: 5250.00 MHz, Antenna: AP-ANT-13B, Power Setting: 14, Duty Cycle (%): 91



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
2	5355.03	14.87	3.71	34.50	53.08	Max Avg	Vertical	200	357	54.0	-0.9	Pass
3	5356.07	31.83	3.71	34.50	70.04	Max Peak	Vertical	200	357	74.0	-4.0	Pass
1	5350.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by PDSine 9001GR POE. Power reduced to meet Band Edge Limits.

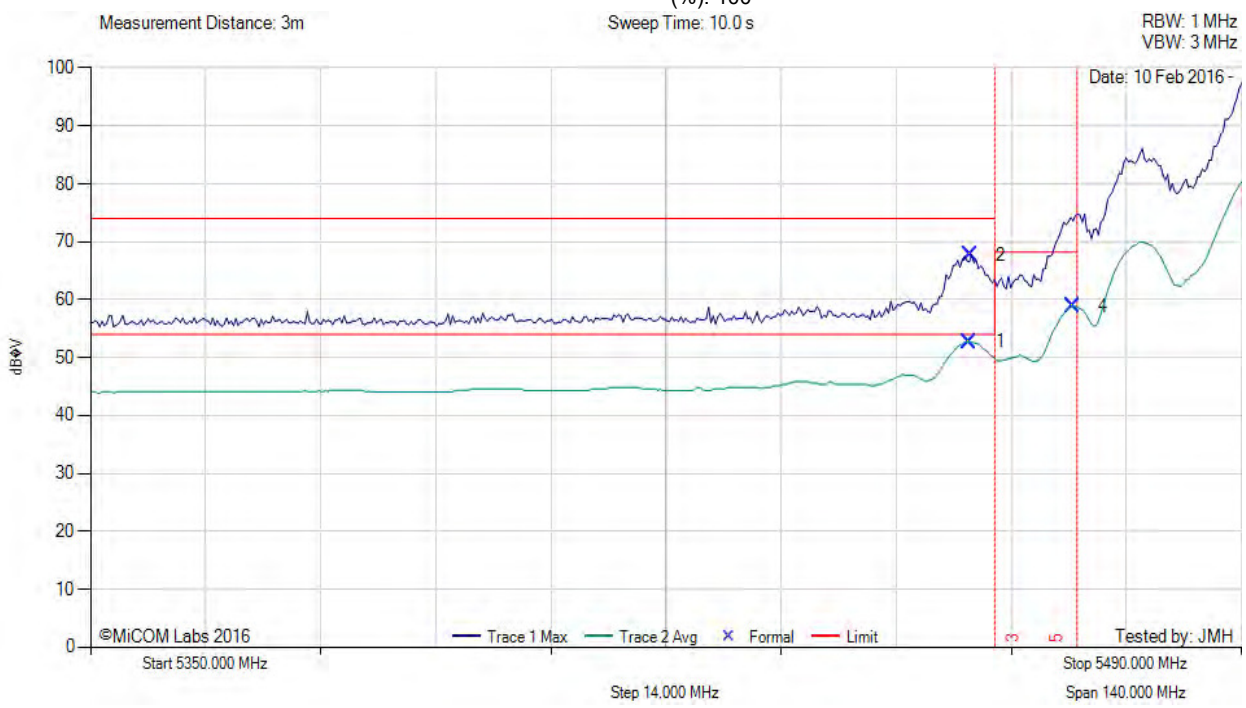
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A.1.2.2. AP-ANT-19

RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5500.00 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	5456.93	14.68	3.80	34.30	52.78	Max Avg	Vertical	145	15	54.0	-1.2	Pass
2	5457.07	29.60	3.80	34.30	67.70	Max Peak	Vertical	145	15	74.0	-6.3	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5469.52	20.75	3.79	34.32	58.86	Max Avg	Horizontal	153	30	68.2*	-9.4	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

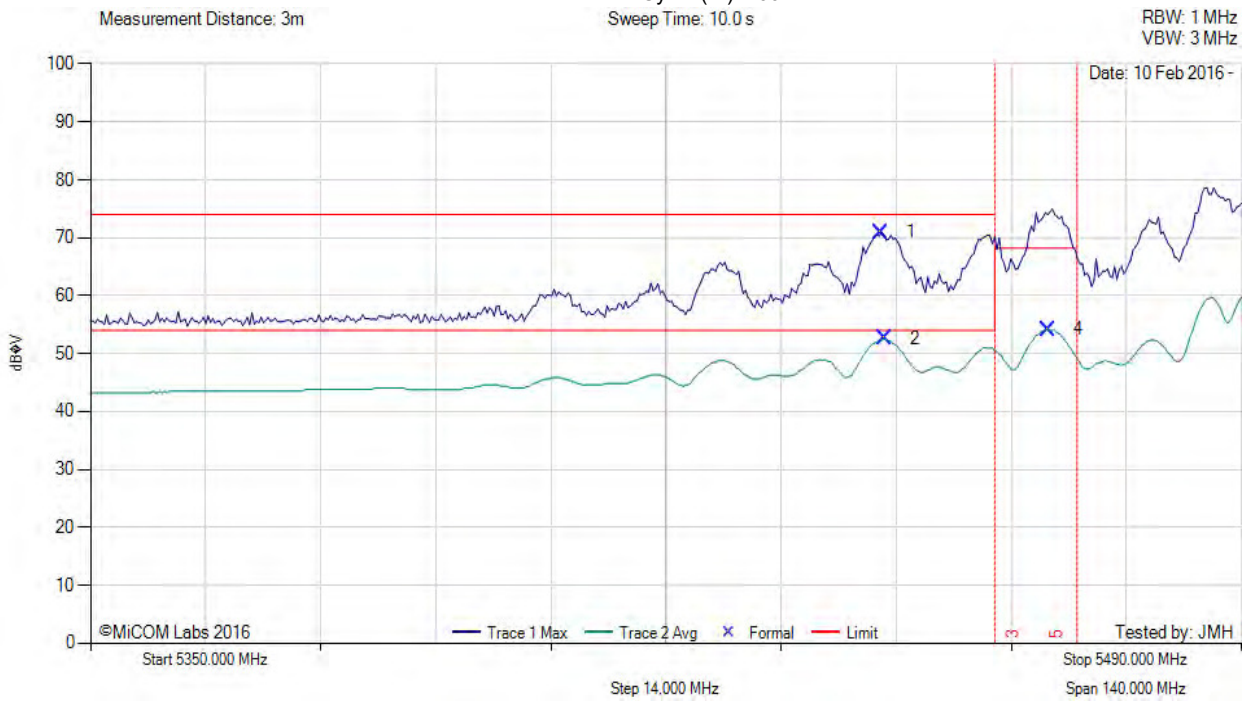
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5530.00 MHz, Antenna: Aruba Networks AP-ANT-19, Power Setting: 12.5, 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	5446.13	32.93	3.76	34.30	70.99	Max Peak	Vertical	145	15	74.0	-3.0	Pass
2	5446.55	14.50	3.76	34.30	52.56	Max Avg	Vertical	145	15	54.0	-1.4	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5466.43	16.05	3.79	34.32	54.16	Max Avg	Horizontal	153	30	68.2*	-14.1	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

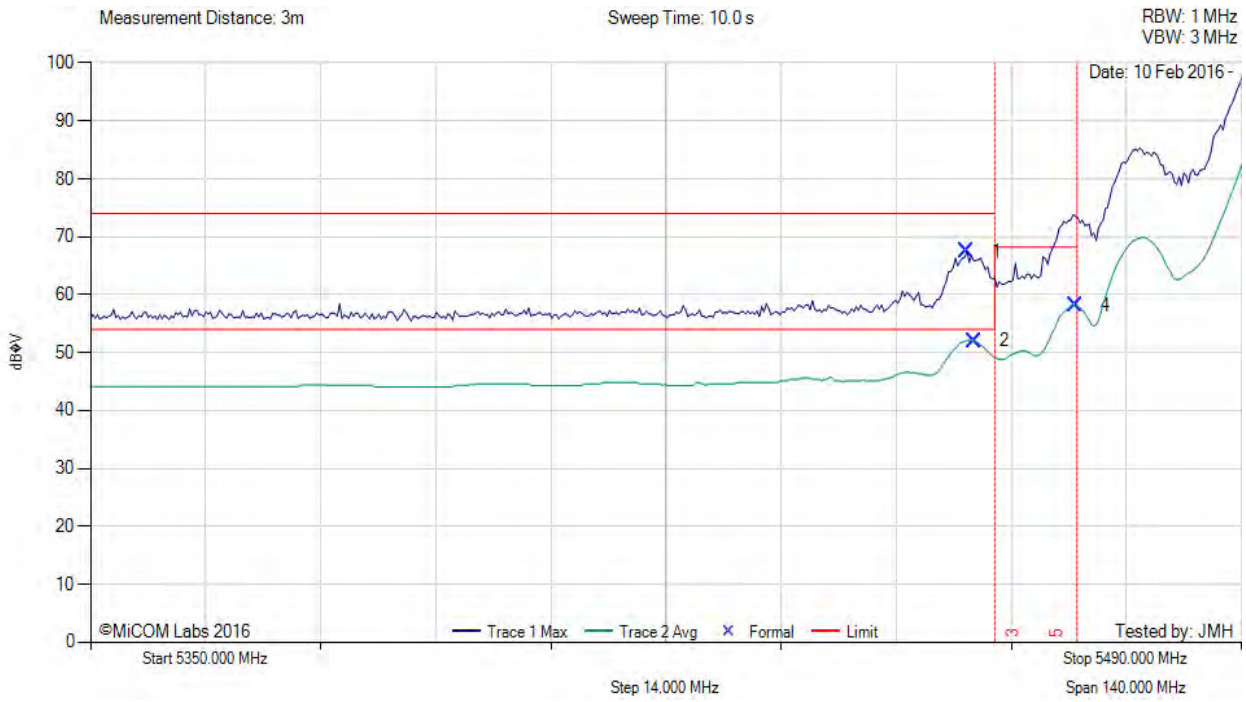
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5500.00 MHz, Antenna: 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	5456.51	29.37	3.80	34.30	67.47	Max Peak	Vertical	145	15	74.0	-6.5	Pass
2	5457.49	13.91	3.80	34.30	52.01	Max Avg	Vertical	145	15	54.0	-2.0	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5469.80	20.04	3.79	34.32	58.15	Max Avg	Horizontal	153	30	68.2*	-10.1	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5510.00 MHz, Antenna: 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	5459.04	30.62	3.79	34.31	68.72	Max Peak	Vertical	145	15	74.0	-5.3	Pass
2	5459.46	14.14	3.79	34.31	52.24	Max Avg	Vertical	145	15	54.0	-1.8	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5466.99	18.05	3.79	34.32	56.16	Max Avg	Horizontal	153	30	68.2*	-12.1	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

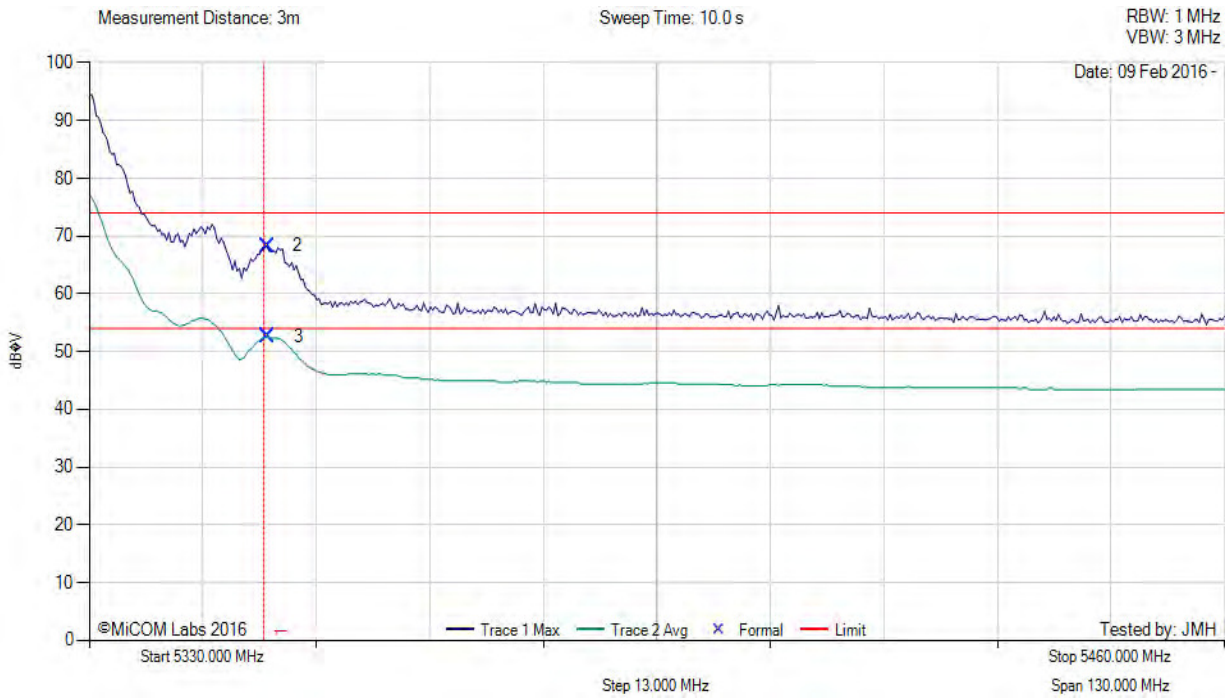
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5320.00 MHz, Antenna: AP-ANT-19, Power Setting: 16, 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
2	5350.36	30.10	3.70	34.51	68.31	Max Peak	Vertical	163	1	74.0	-5.7	Pass
3	5350.48	14.34	3.70	34.51	52.55	Max Avg	Vertical	163	1	54.0	-1.5	Pass
1	5350.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

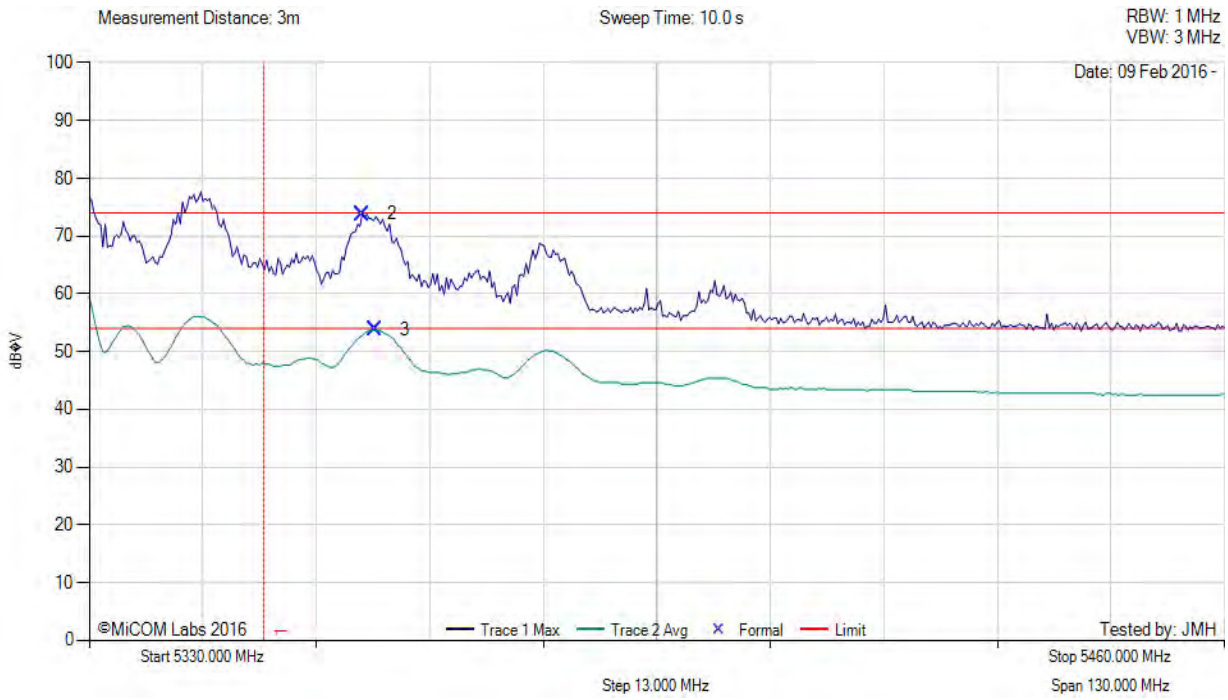
Test Notes: EUT on 150cm table powered by POE, connected to laptop outside chamber

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5290.00 MHz, Antenna: 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
2	5361.30	35.68	3.70	34.48	73.86	Max Peak	Vertical	0	0	74.0	-0.1	Pass
3	5362.73	15.59	3.70	34.48	53.77	Max Avg	Vertical	0	0	54.0	-0.2	Pass
1	5350.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

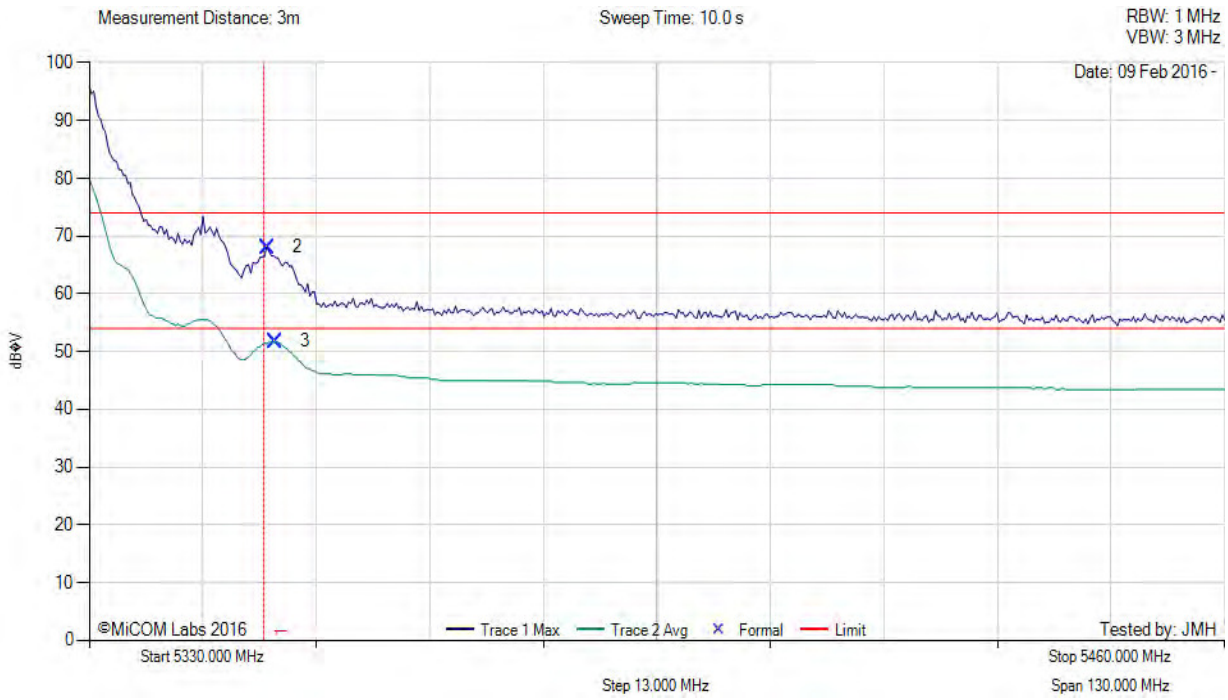
Test Notes: EUT on 150cm table powered by POE, connected to laptop outside chamber

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5320.00 MHz, Antenna: AP-ANT-19, Power Setting: 16, 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
2	5350.36	29.86	3.70	34.51	68.07	Max Peak	Vertical	163	1	74.0	-5.9	Pass
3	5351.26	13.52	3.71	34.51	51.74	Max Avg	Vertical	163	1	54.0	-2.3	Pass
1	5350.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

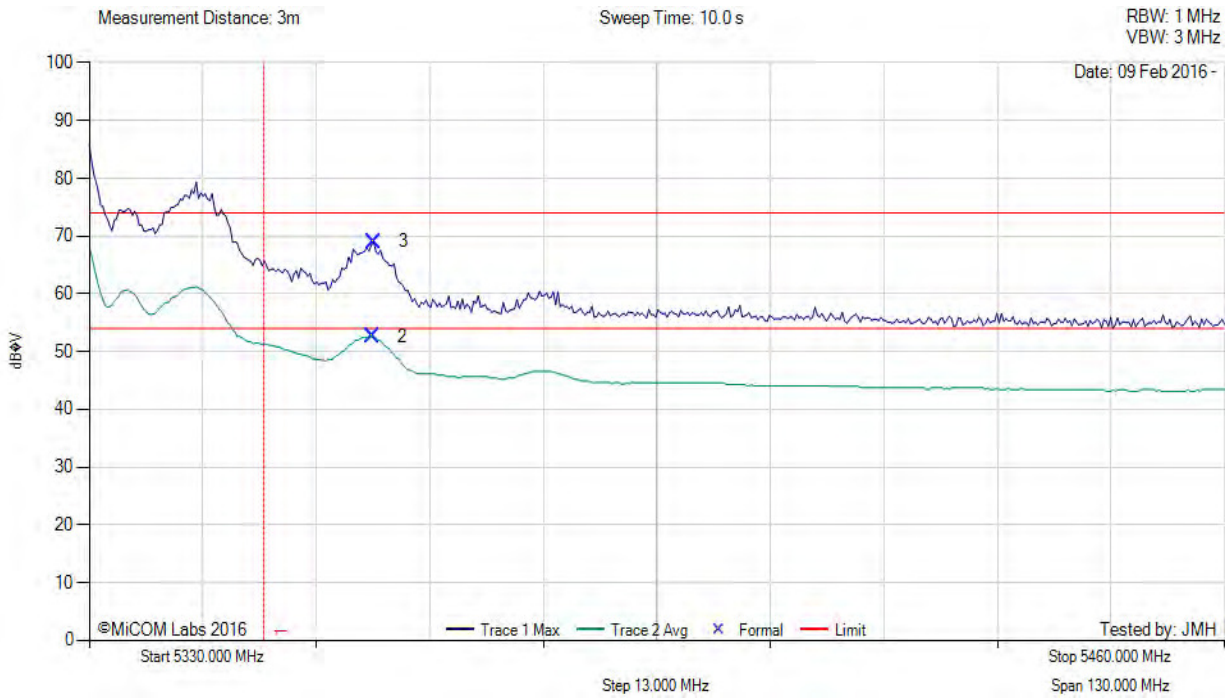
Test Notes: EUT on 150cm table powered by POE, connected to laptop outside chamber

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5310.00 MHz, Antenna: AP-ANT-19, Power Setting: 15, 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
2	5362.46	14.47	3.70	34.48	52.65	Max Avg	Vertical	163	1	54.0	-1.4	Pass
3	5362.61	30.88	3.70	34.48	69.06	Max Peak	Vertical	163	1	74.0	-4.9	Pass
1	5350.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

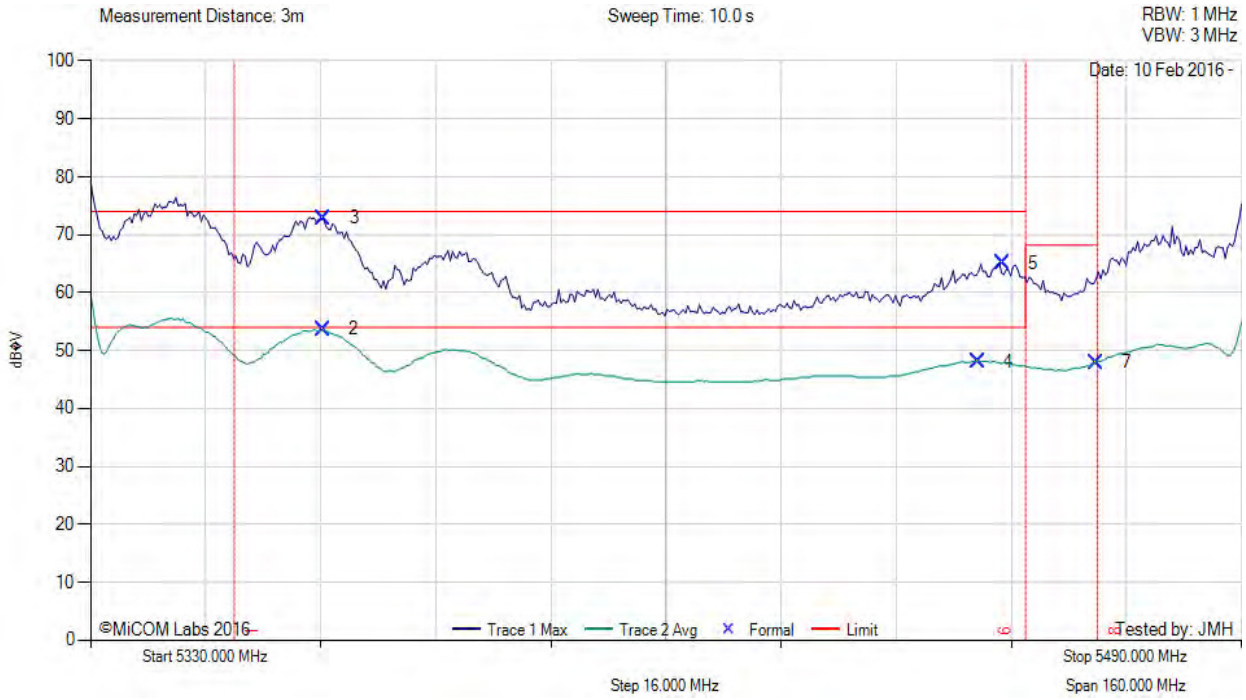
Test Notes: EUT on 150cm table powered by POE, connected to laptop outside chamber

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5290.00 MHz, Antenna: AP-ANT-19, Power Setting: 12, 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	5350.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
2	5362.40	15.50	3.70	34.48	53.68	Max Avg	Vertical	163	1	54.0	-0.3	Pass
3	5362.42	34.72	3.70	34.48	72.90	Max Peak	Vertical	163	1	74.0	-1.1	Pass
4	5453.45	14.50	3.76	34.30	48.13	Max Avg	Vertical	163	1	54.0	-5.9	Pass
5	5456.78	27.07	3.76	34.30	65.13	Max Peak	Vertical	163	1	74.0	-8.9	Pass
6	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
7	5469.80	9.84	3.79	34.32	47.95	Max Avg	Horizontal	153	30	68.2*	-20.3	Pass
8	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

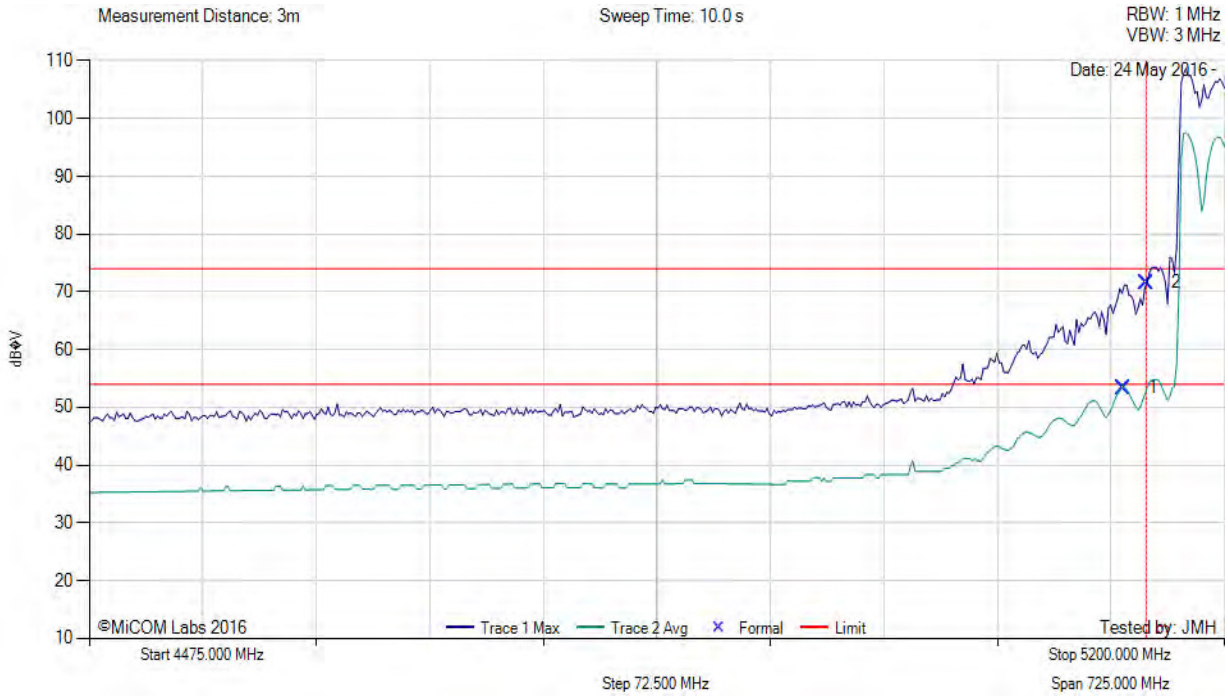
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-160, Test Freq: 5250.00 MHz, Antenna: AP-ANT-19, Power Setting: 14, Duty Cycle (%): 91



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5135.47	15.62	3.69	34.12	53.43	Max Avg	Vertical	200	201	54.0	-0.6	Pass
2	5150.00	33.80	3.67	34.11	71.58	Max Peak	Vertical	200	201	74.0	-2.4	Pass
3	5150.00	--	--	--	--	Band Edge	--	--	--	--	--	--

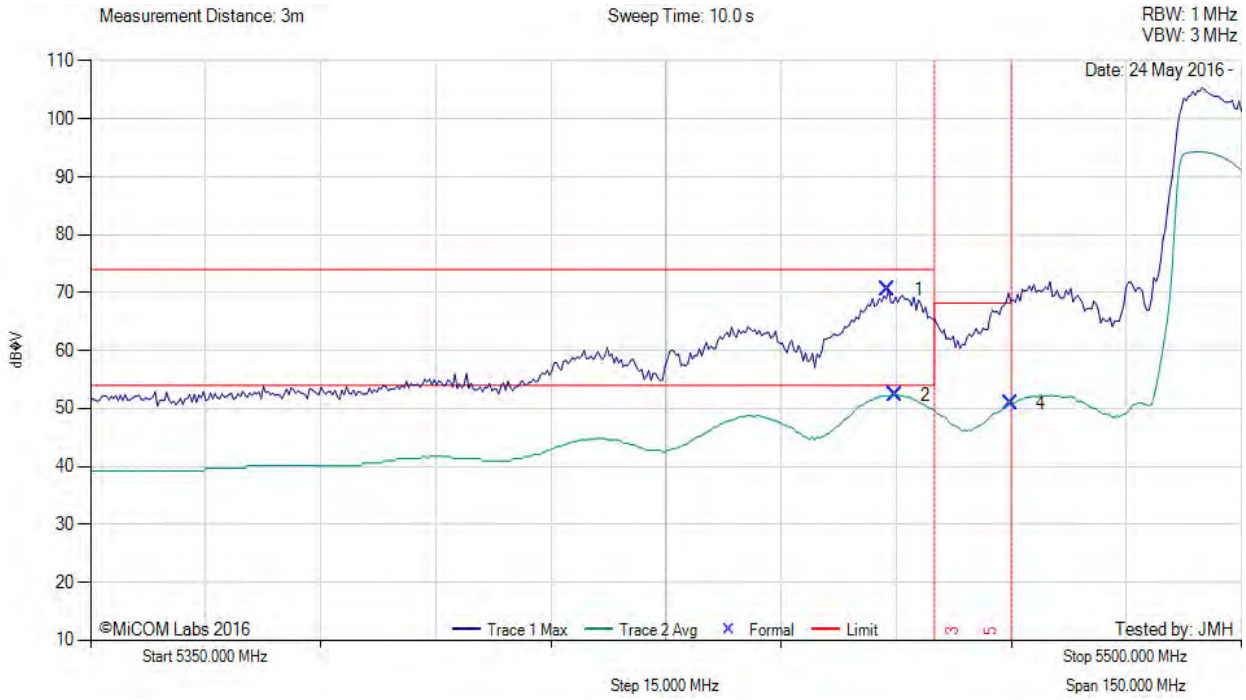
Test Notes: EUT on 150cm table powered by PDSine 9001GR POE. Power reduced to meet Band Edge Limits.

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-160, Test Freq: 5570.00 MHz, Antenna: AP-ANT-19, Power Setting: 13.5, Duty Cycle (%): 91



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5453.93	32.41	3.79	34.30	70.50	Max Peak	Vertical	141	201	74.0	-3.5	Pass
2	5454.89	14.25	3.79	34.30	52.34	Max Avg	Vertical	141	201	54.0	-1.7	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5469.93	12.79	3.79	34.32	50.90	Max Avg	Horizontal	153	30	68.2*	-17.3	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by PDSine 9001GR POE. Power reduced to meet Band Edge Limits.

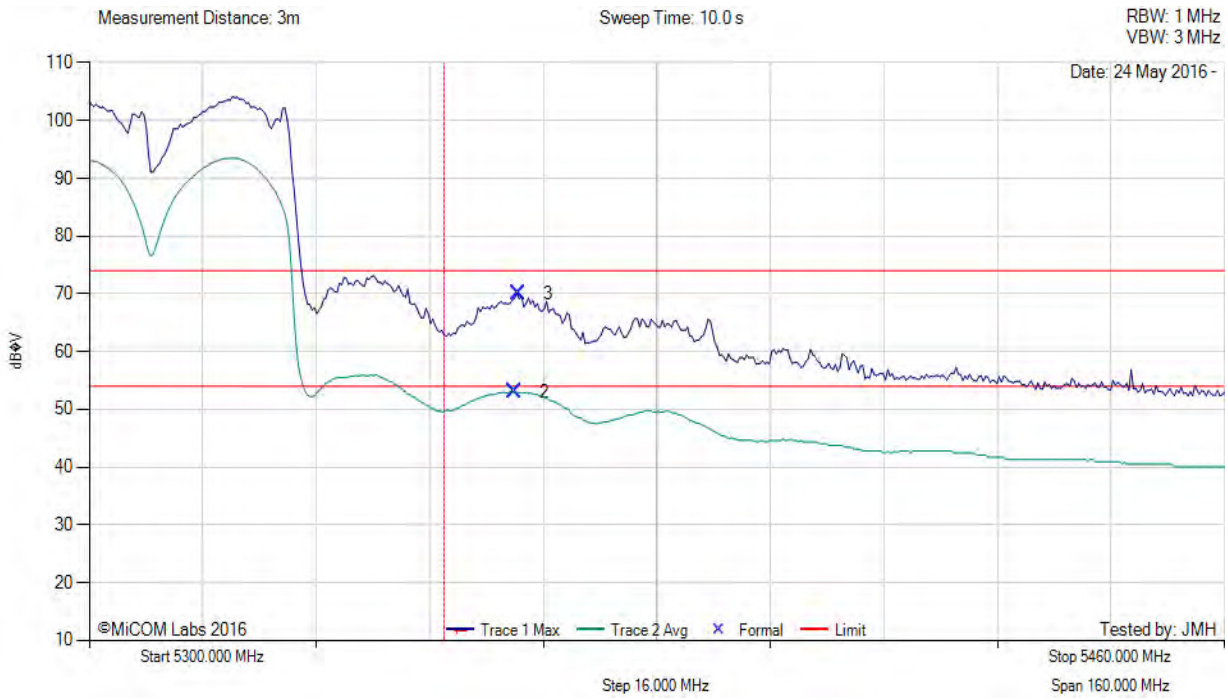
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11ac-160, Test Freq: 5250.00 MHz, Antenna: AP-ANT-19, Power Setting: 14, Duty Cycle (%): 91



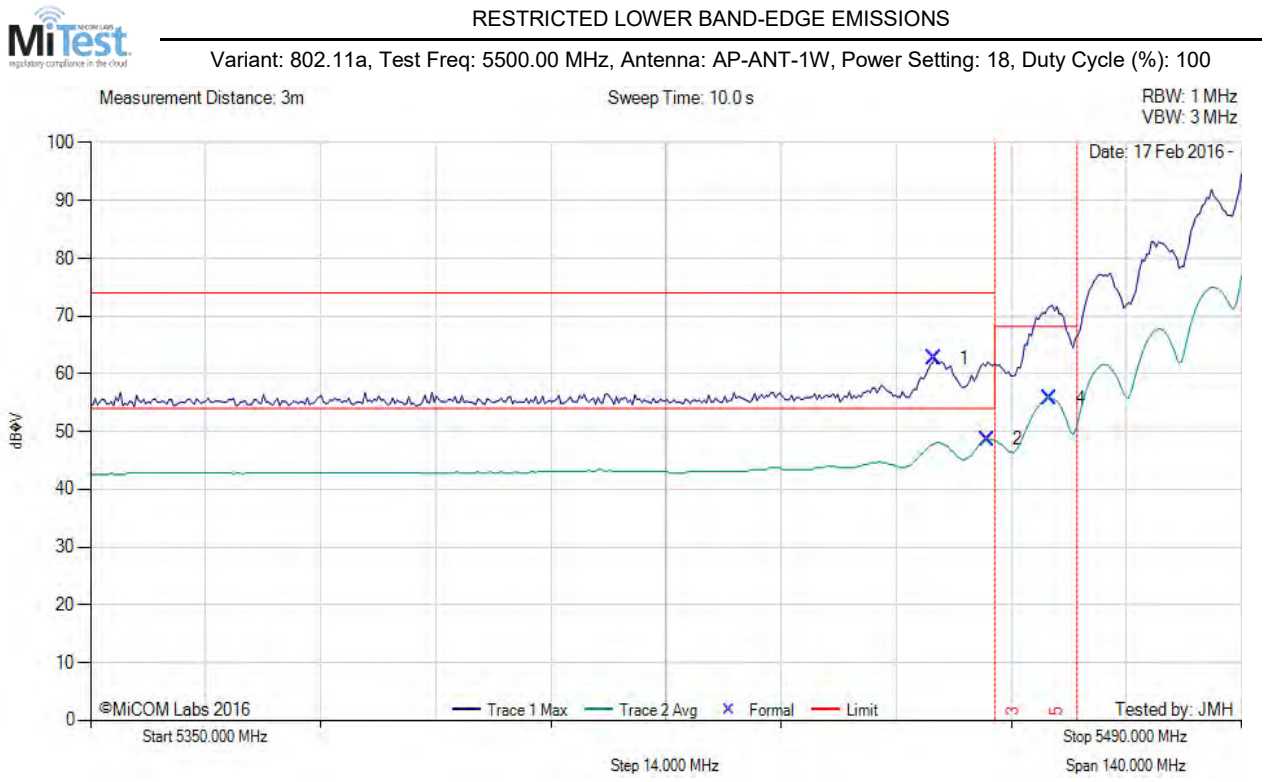
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
2	5359.90	14.89	3.70	34.49	53.08	Max Avg	Vertical	200	201	54.0	-0.9	Pass
3	5360.42	31.85	3.70	34.49	70.04	Max Peak	Vertical	200	201	74.0	-4.0	Pass
1	5350.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by PDSine 9001GR POE. Power reduced to meet Band Edge Limits.

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A.1.2.3. AP-ANT-1W



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5452.55	24.54	3.79	34.30	62.63	Max Peak	Horizontal	175	46	74.0	-11.4	Pass
2	5459.12	10.56	3.79	34.31	48.66	Max Avg	Horizontal	175	46	54.0	-5.3	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5466.71	17.68	3.79	34.32	55.79	Max Avg	Horizontal	153	30	68.2*	-12.4	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber

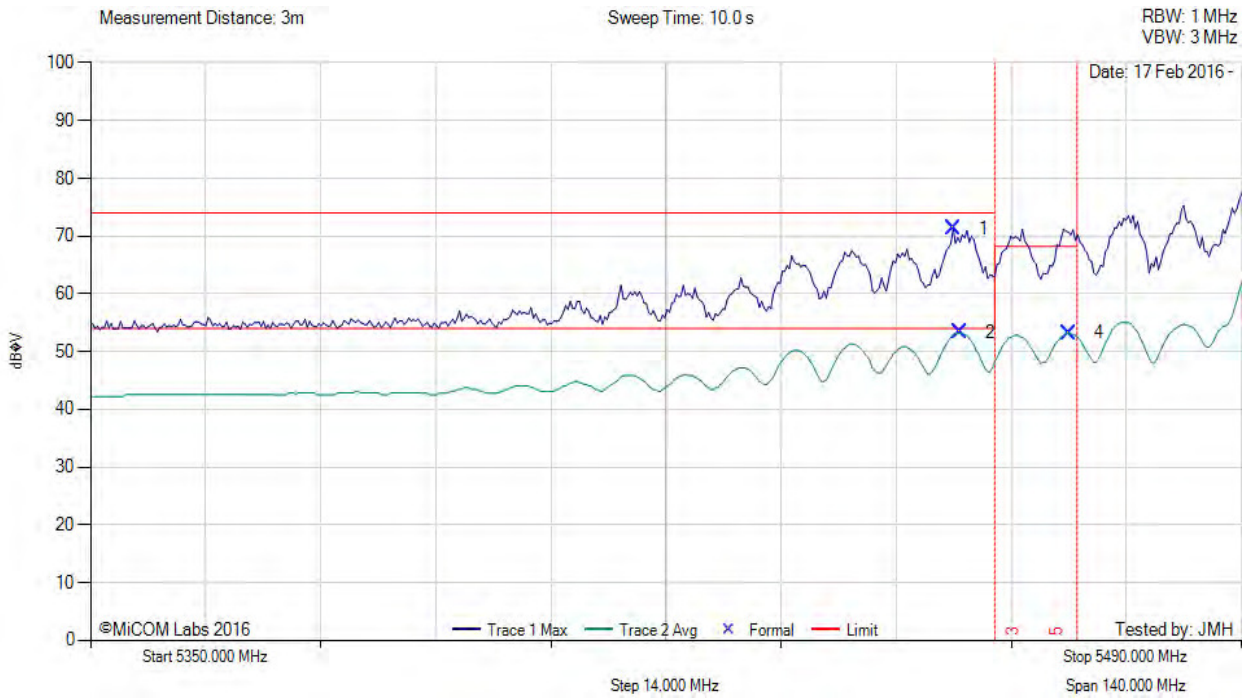
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5530.00 MHz, Antenna: AP-ANT-1W, Power Setting: 13.5, 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	5454.95	33.16	3.79	34.30	71.25	Max Peak	Horizontal	175	46	74.0	-2.8	Pass
2	5455.81	15.19	3.80	34.30	53.29	Max Avg	Horizontal	175	46	54.0	-0.7	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5468.96	15.09	3.79	34.32	53.20	Max Avg	Horizontal	153	30	68.2*	-15.0	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber

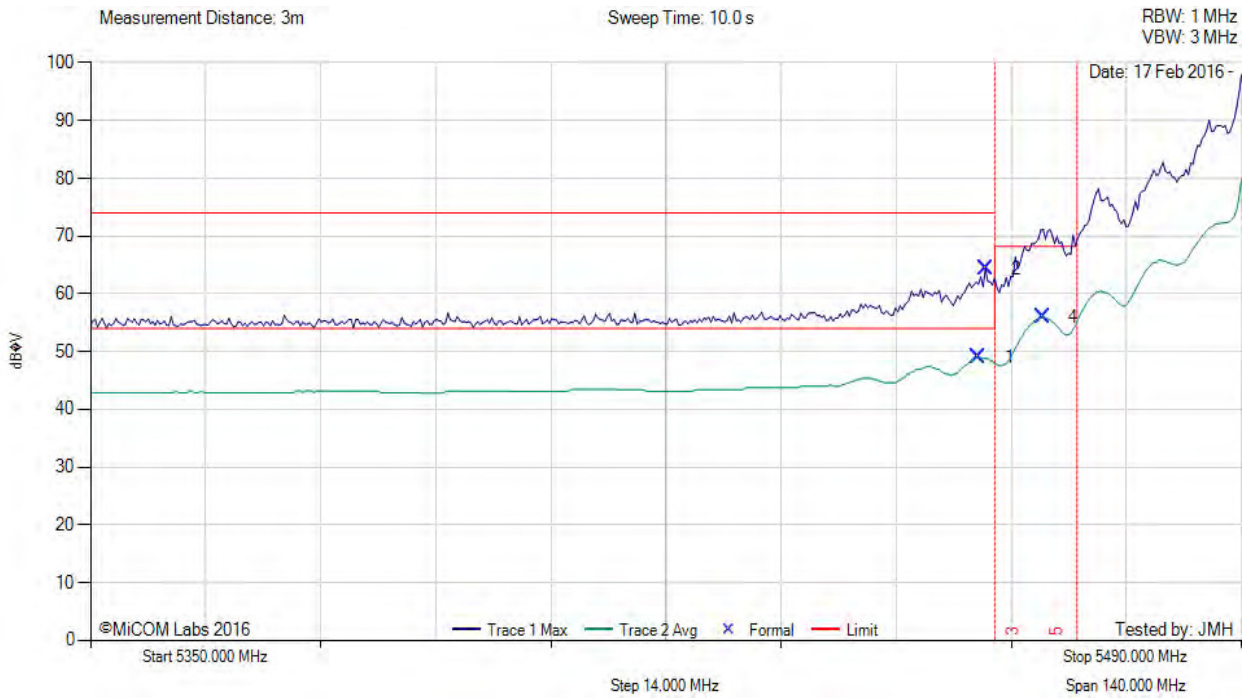
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5500.00 MHz, Antenna: AP-ANT-1W, 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	5458.04	10.89	3.80	34.30	48.99	Max Avg	Horizontal	175	46	54.0	-5.0	Pass
2	5458.96	26.20	3.79	34.31	64.30	Max Peak	Horizontal	175	46	74.0	-9.7	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5465.87	17.91	3.79	34.32	56.02	Max Avg	Horizontal	153	30	68.2*	-12.2	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber

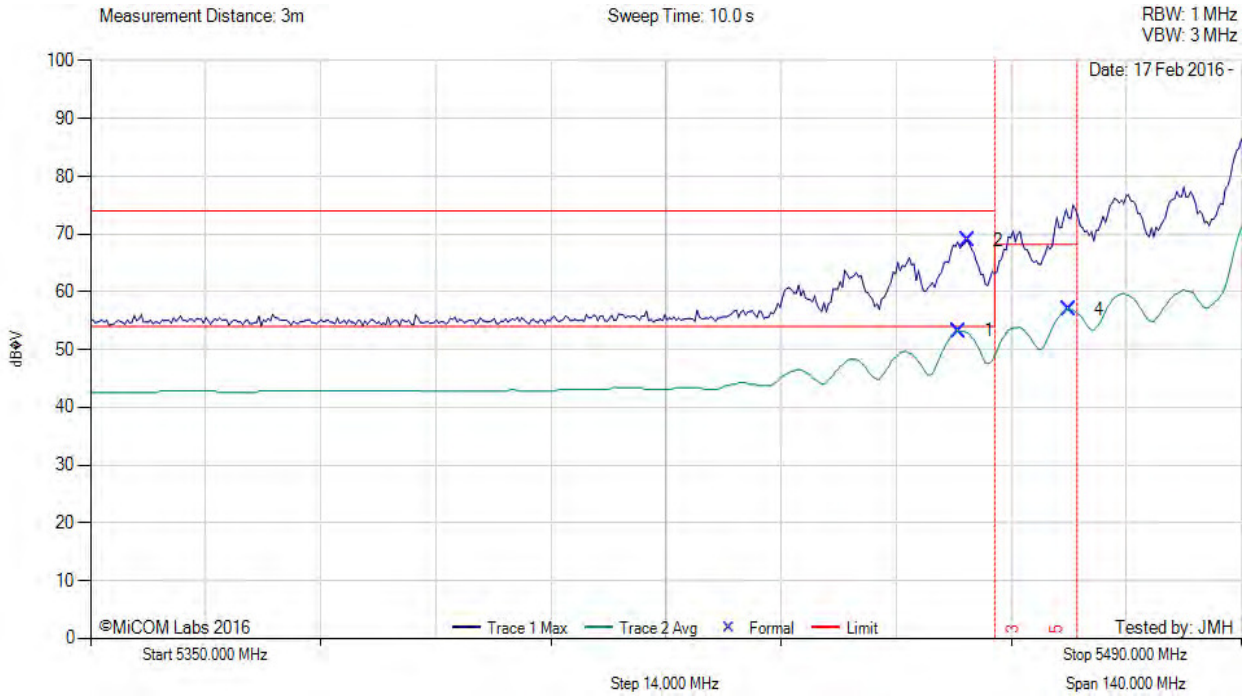
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5510.00 MHz, Antenna: AP-ANT-1W, Power Setting: 16, 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	5455.65	15.09	3.80	34.30	53.19	Max Avg	Horizontal	175	46	54.0	-0.8	Pass
2	5456.65	30.81	3.80	34.30	68.91	Max Peak	Horizontal	175	46	74.0	-5.1	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5468.96	18.87	3.79	34.32	56.98	Max Avg	Horizontal	153	30	68.2*	-11.3	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber

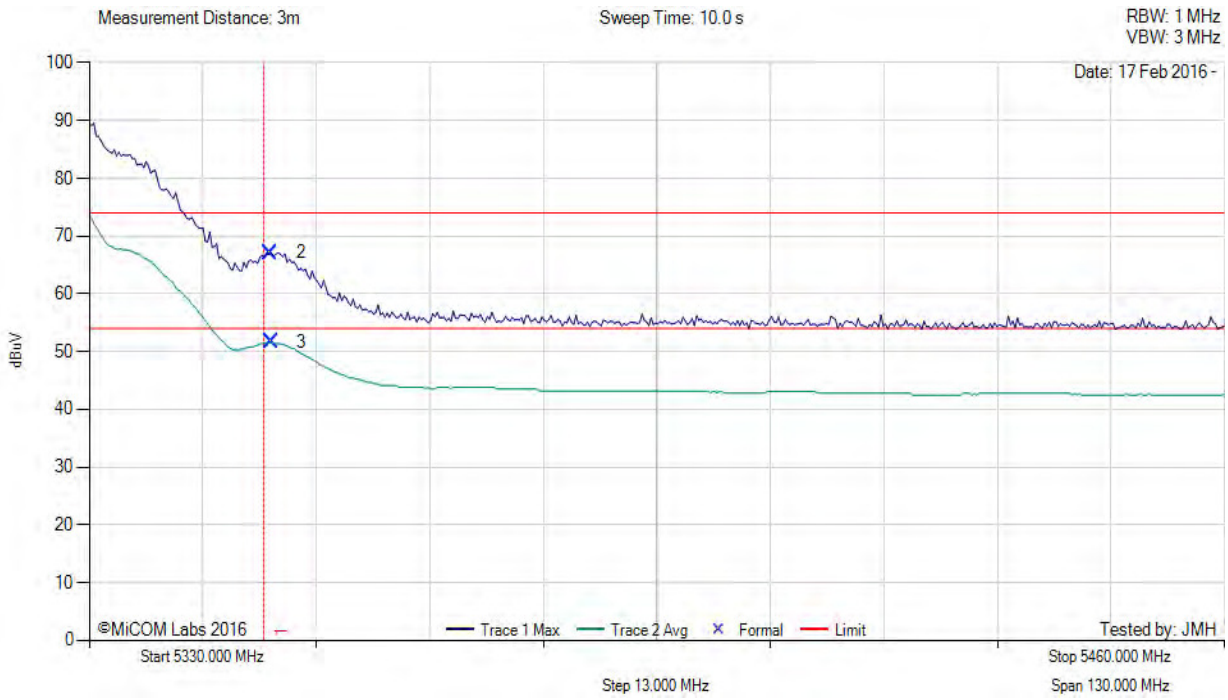
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5320.00 MHz, Antenna: AP-ANT-1W, 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
2	5350.78	28.92	3.71	34.51	67.14	Max Peak	Horizontal	181	328	74.0	-6.9	Pass
3	5350.86	13.40	3.71	34.51	51.62	Max Avg	Horizontal	181	328	54.0	-2.4	Pass
1	5350.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

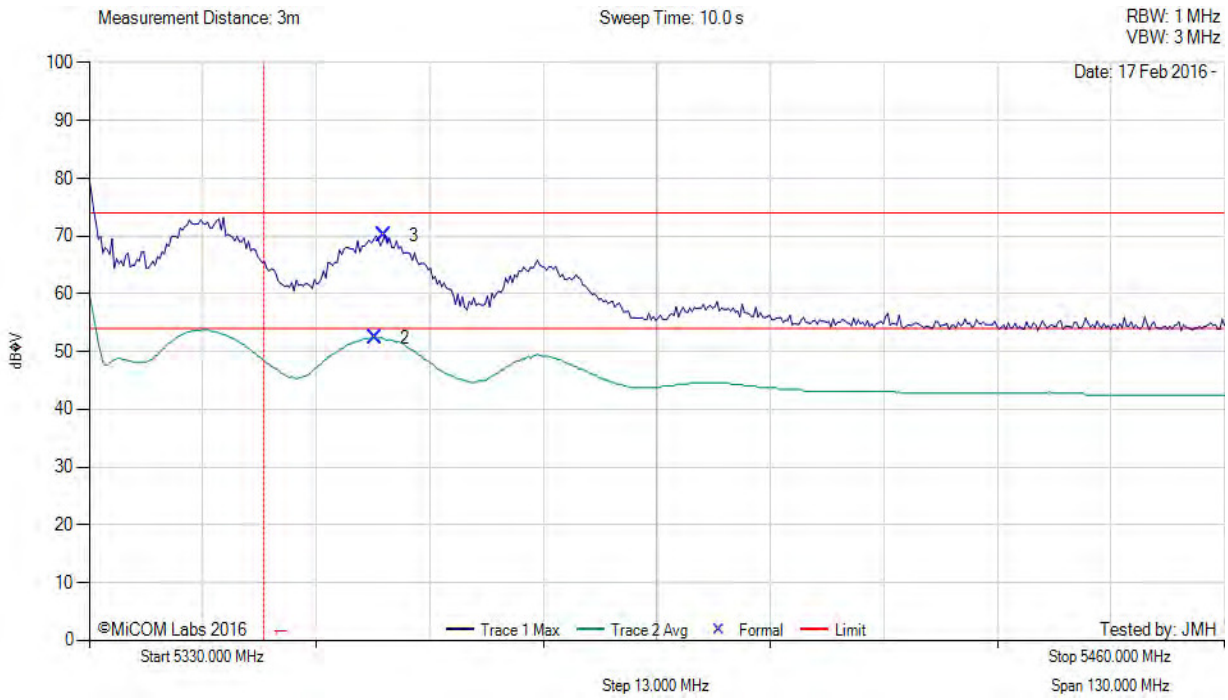
Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5290.00 MHz, Antenna: AP-ANT-1W, Power Setting: 13, 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
2	5362.73	14.25	3.70	34.48	52.43	Max Avg	Horizontal	181	328	54.0	-1.6	Pass
3	5363.77	31.98	3.70	34.48	70.16	Max Peak	Horizontal	181	328	74.0	-3.8	Pass
1	5350.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

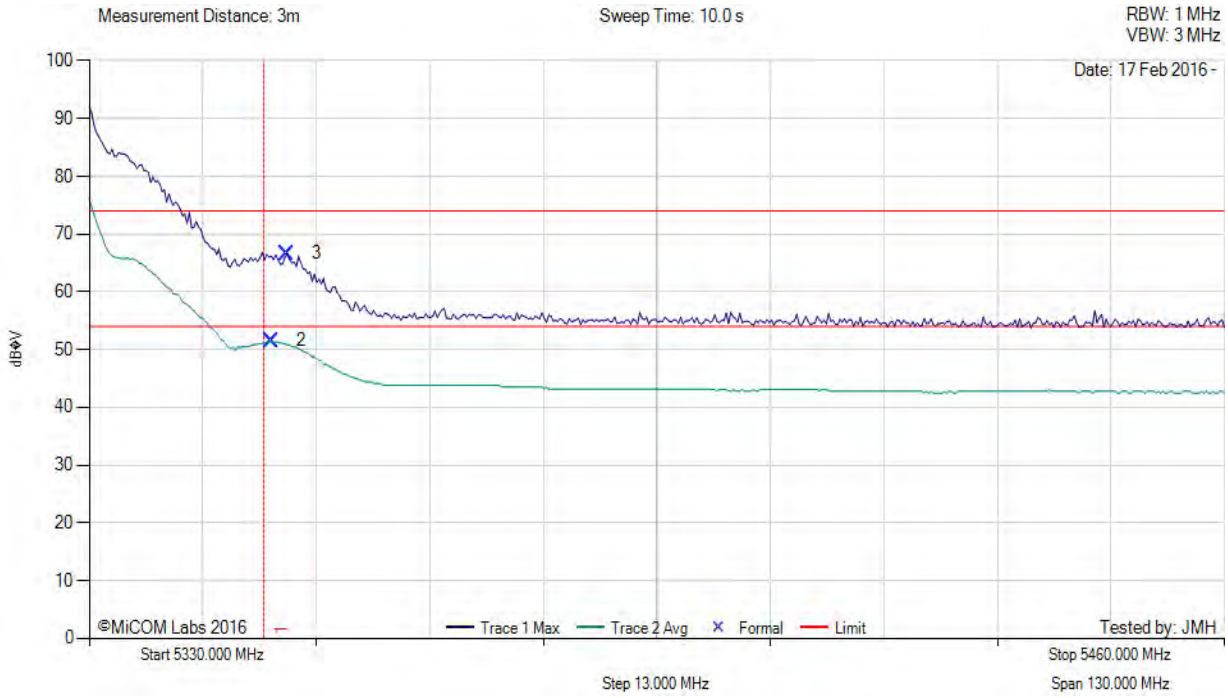
Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5320.00 MHz, Antenna: AP-ANT-1W, 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
2	5350.84	13.28	3.71	34.51	51.50	Max Avg	Horizontal	181	328	54.0	-2.5	Pass
3	5352.61	28.43	3.71	34.50	66.64	Max Peak	Horizontal	181	328	74.0	-7.4	Pass
1	5350.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

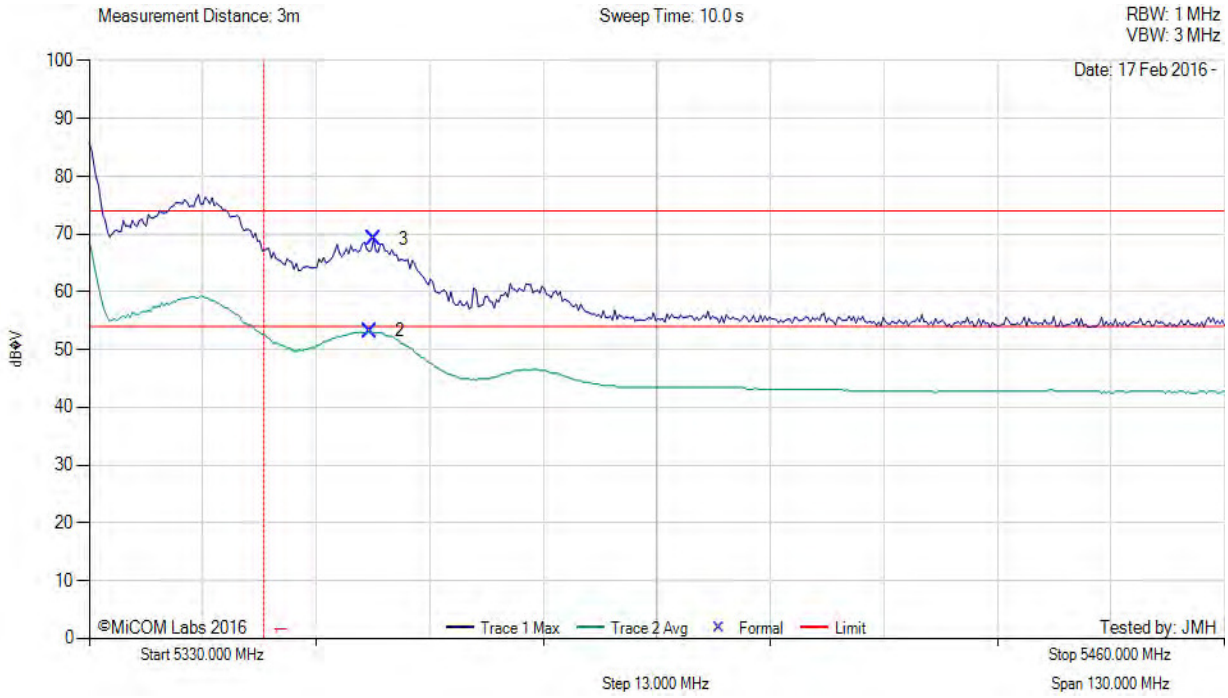
Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5310.00 MHz, Antenna: AP-ANT-1W, Power Setting: 16, 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
2	5362.10	15.00	3.70	34.48	53.18	Max Avg	Horizontal	181	328	54.0	-0.8	Pass
3	5362.61	30.98	3.70	34.48	69.16	Max Peak	Horizontal	181	328	74.0	-4.8	Pass
1	5350.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

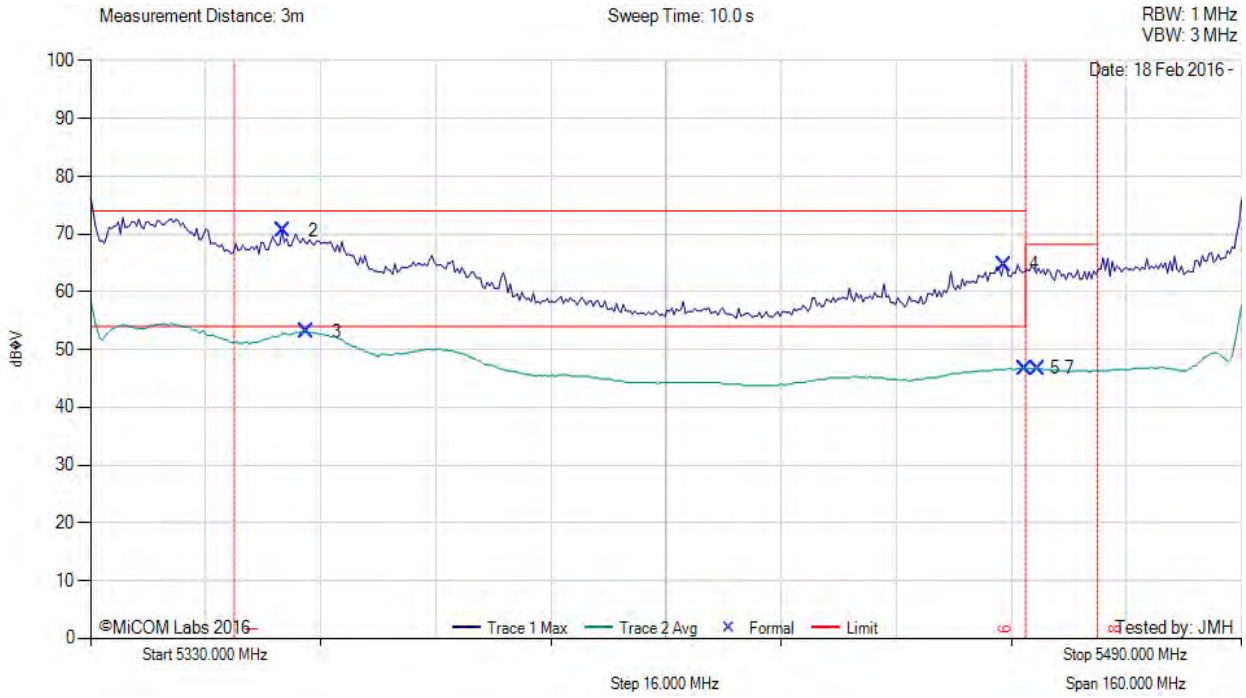
Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5290.00 MHz, Antenna: AP-ANT-1W, 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	5350.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
2	5356.73	32.38	3.71	34.49	70.58	Max Peak	Horizontal	180	328	74.0	-3.4	Pass
3	5359.94	14.89	3.70	34.49	53.08	Max Avg	Horizontal	180	328	54.0	-0.9	Pass
4	5456.97	26.62	3.79	34.30	64.71	Max Peak	Horizontal	180	328	74.0	-9.3	Pass
5	5459.86	8.66	3.80	34.30	46.76	Max Avg	Horizontal	180	328	54.0	-7.2	Pass
6	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
7	5461.78	8.66	3.79	34.32	46.76	Max Avg	Horizontal	153	30	68.2*	-21.5	Pass
8	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber.

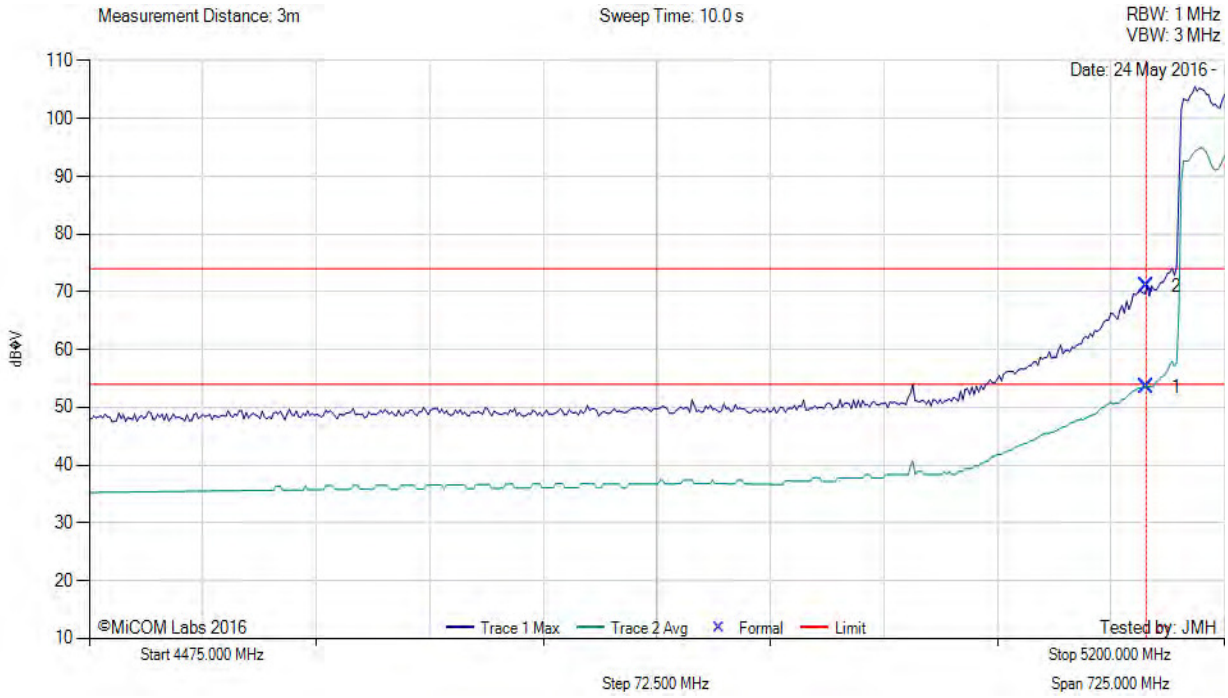
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-160, Test Freq: 5250.00 MHz, Antenna: AP-ANT-1W, Power Setting: 14, Duty Cycle (%): 91



Num	Frequency MHz	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	15.76	3.67	34.11	53.54	Max Avg	Horizontal	158	319	54.0	-0.5	Pass
2	5150.00	33.29	3.67	34.11	71.07	Max Peak	Horizontal	158	319	74.0	-2.9	Pass
3	5150.00	--	--	--	--	Band Edge	--	--	--	--	--	--

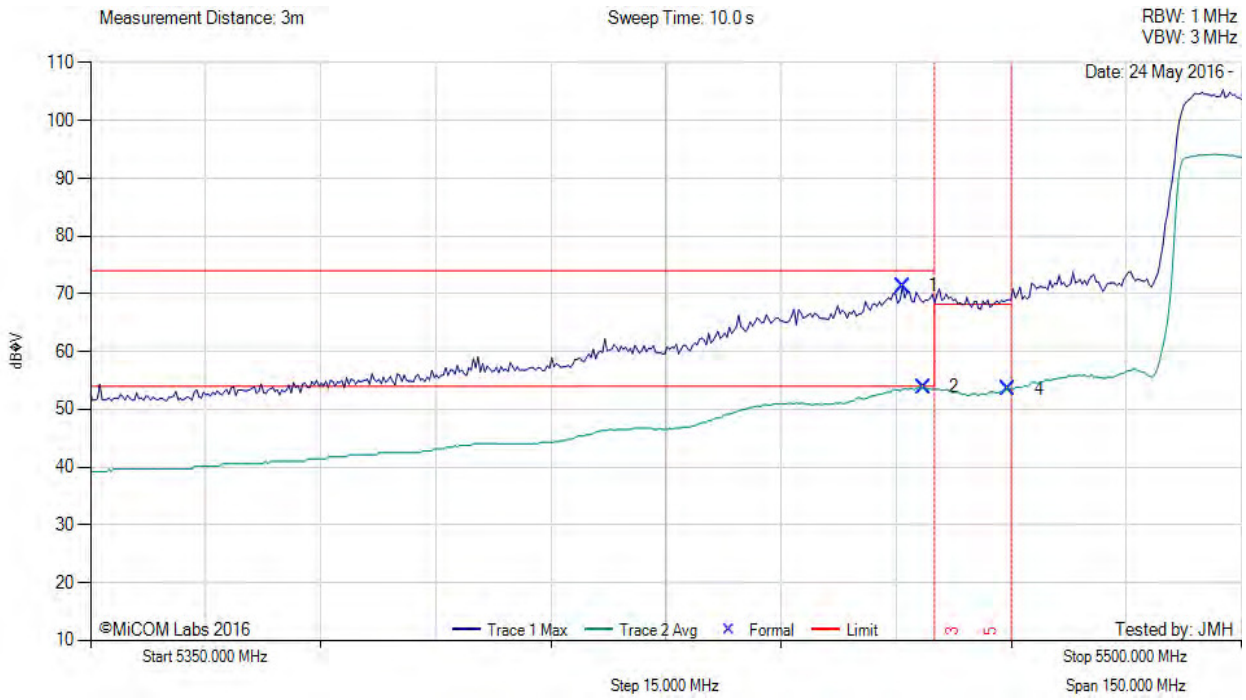
Test Notes: EUT on 150cm table powered by PDSine 9001GR POE. Power reduced to meet Band Edge Limits.

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-160, Test Freq: 5570.00 MHz, Antenna: AP-ANT-1W, Power Setting: 14.5, Duty Cycle (%): 91



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5455.91	33.23	3.80	34.30	71.33	Max Peak	Horizontal	157	313	74.0	-2.7	Pass
2	5458.60	15.77	3.79	34.31	53.87	Max Avg	Horizontal	157	313	54.0	-0.1	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5469.64	15.39	3.79	34.32	53.50	Max Avg	Horizontal	153	30	68.2*	-14.7	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by PDSine 9001GR POE. Power reduced to meet Band Edge Limits.

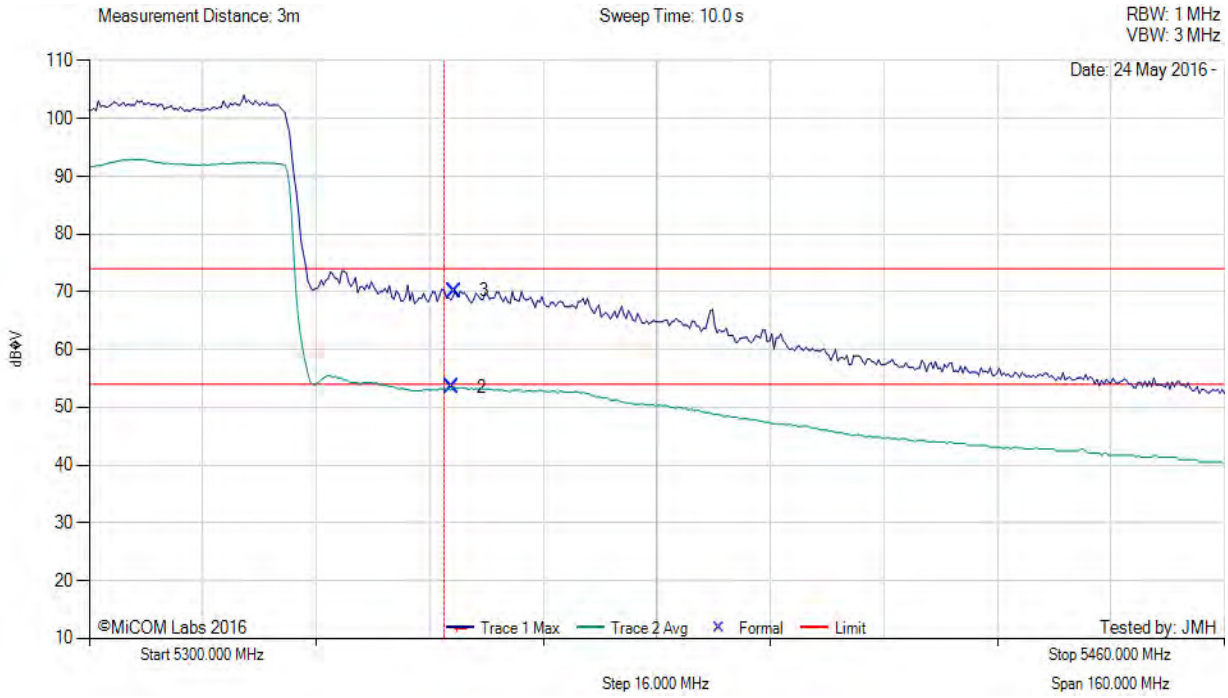
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11ac-160, Test Freq: 5250.00 MHz, Antenna: AP-ANT-1W, Power Setting: 14, Duty Cycle (%): 91



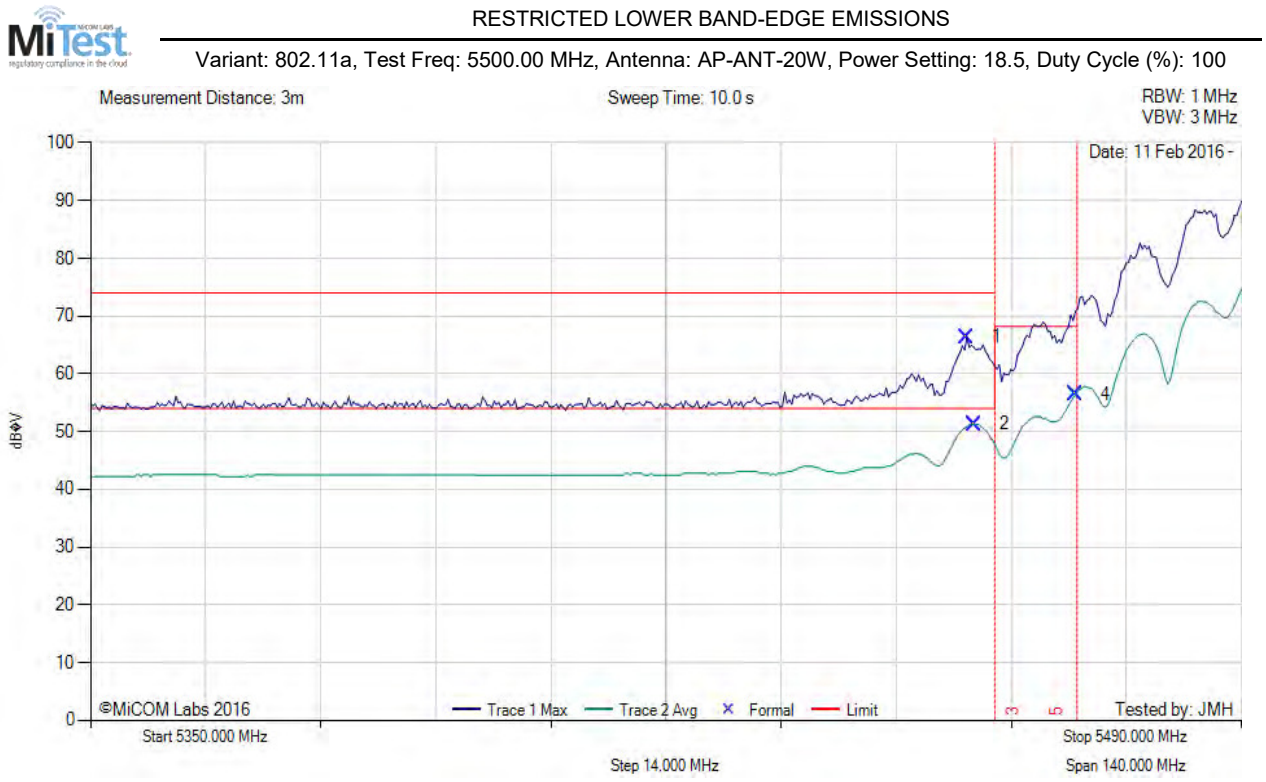
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5350.00	--	--	--	--	Band Edge	--	--	--	--	--	--
2	5351.14	15.36	3.71	34.51	53.58	Max Avg	Horizontal	153	317	54.0	-0.4	Pass
3	5351.48	31.98	3.71	34.51	70.20	Max Peak	Horizontal	153	317	74.0	-3.8	Pass

Test Notes: EUT on 150cm table powered by PDSine 9001GR POE. Power reduced to meet Band Edge Limits.

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A.1.2.4. AP-ANT-20W



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5456.51	28.27	3.80	34.30	66.37	Max Peak	Horizontal	152	16	74.0	-7.6	Pass
2	5457.49	13.18	3.80	34.30	51.28	Max Avg	Horizontal	152	16	54.0	-2.7	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5469.80	18.27	3.79	34.32	56.38	Max Avg	Horizontal	153	30	68.2*	-11.9	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

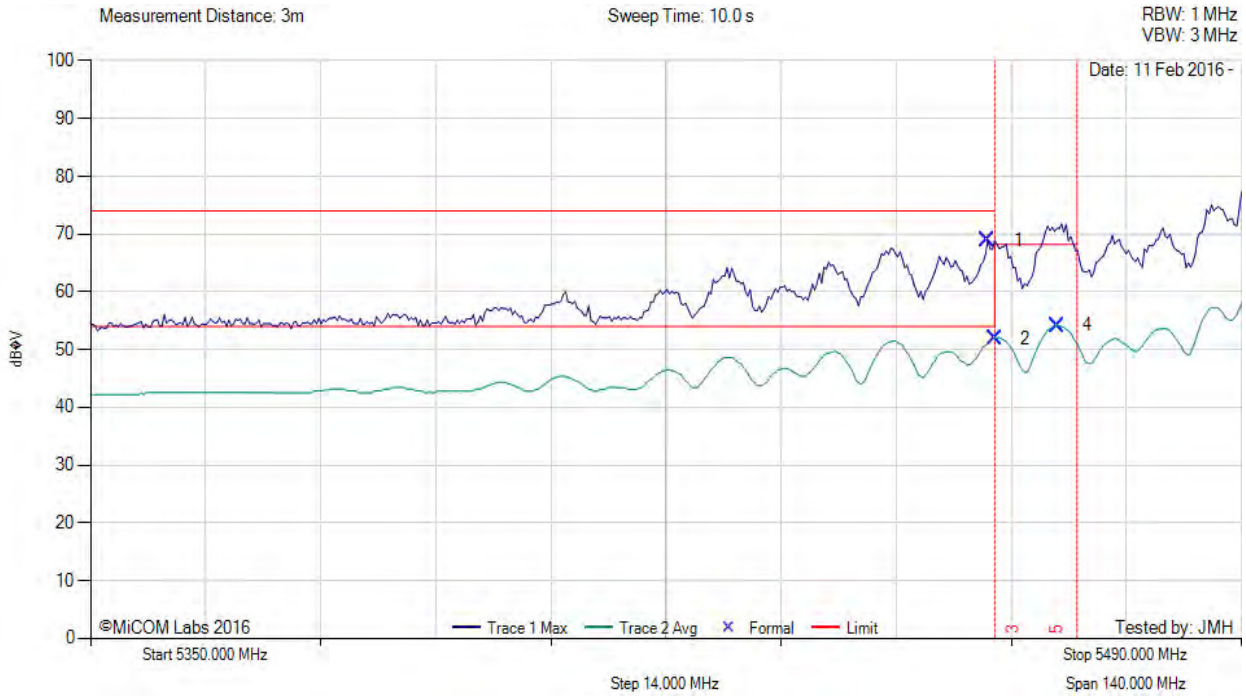
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5530.00 MHz, Antenna: AP-ANT-20W, Power Setting: 14.5, 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	5459.16	30.87	3.79	34.31	68.97	Max Peak	Horizontal	152	16	74.0	-5.0	Pass
2	5460.00	13.79	3.79	34.31	51.89	Max Avg	Horizontal	152	16	54.0	-2.1	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5467.56	16.04	3.79	34.32	54.15	Max Avg	Horizontal	153	30	68.2*	-14.1	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

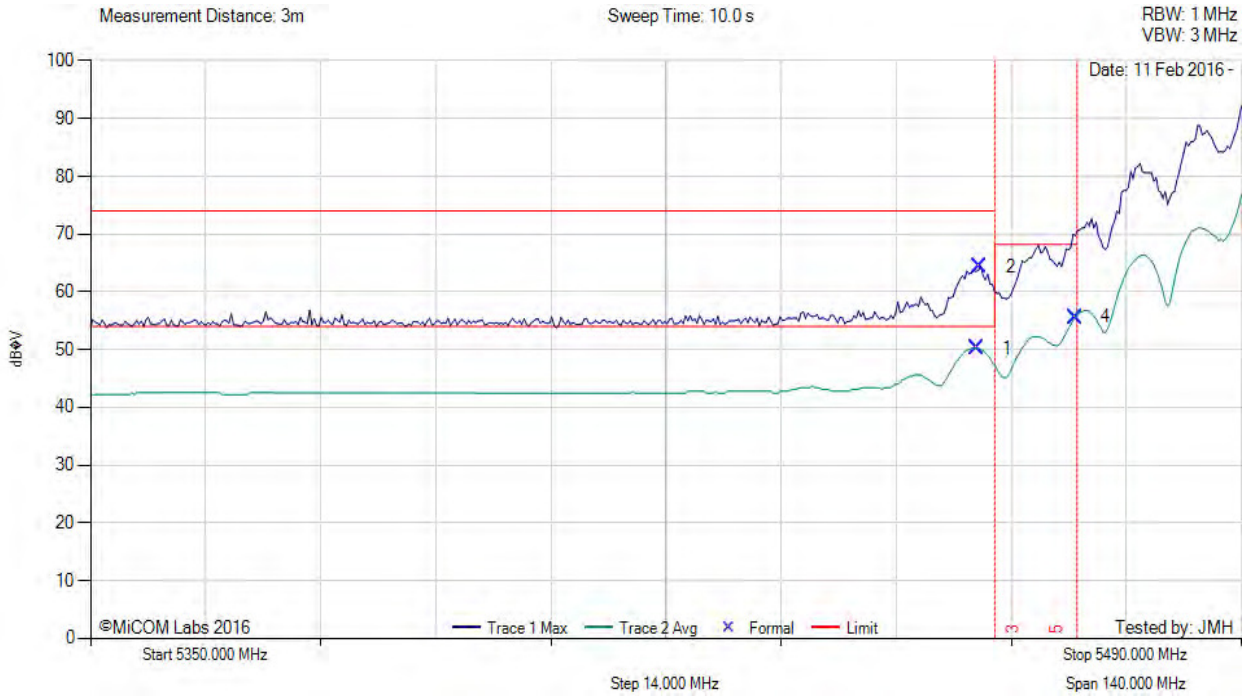
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5500.00 MHz, Antenna: AP-ANT-20W, Power Setting: 18.5, 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	5457.78	12.11	3.80	34.30	50.21	Max Avg	Horizontal	152	16	54.0	-3.8	Pass
2	5458.20	26.32	3.80	34.30	64.42	Max Peak	Horizontal	152	16	74.0	-9.6	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5469.80	17.54	3.79	34.32	55.65	Max Avg	Horizontal	153	30	68.2*	-12.6	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

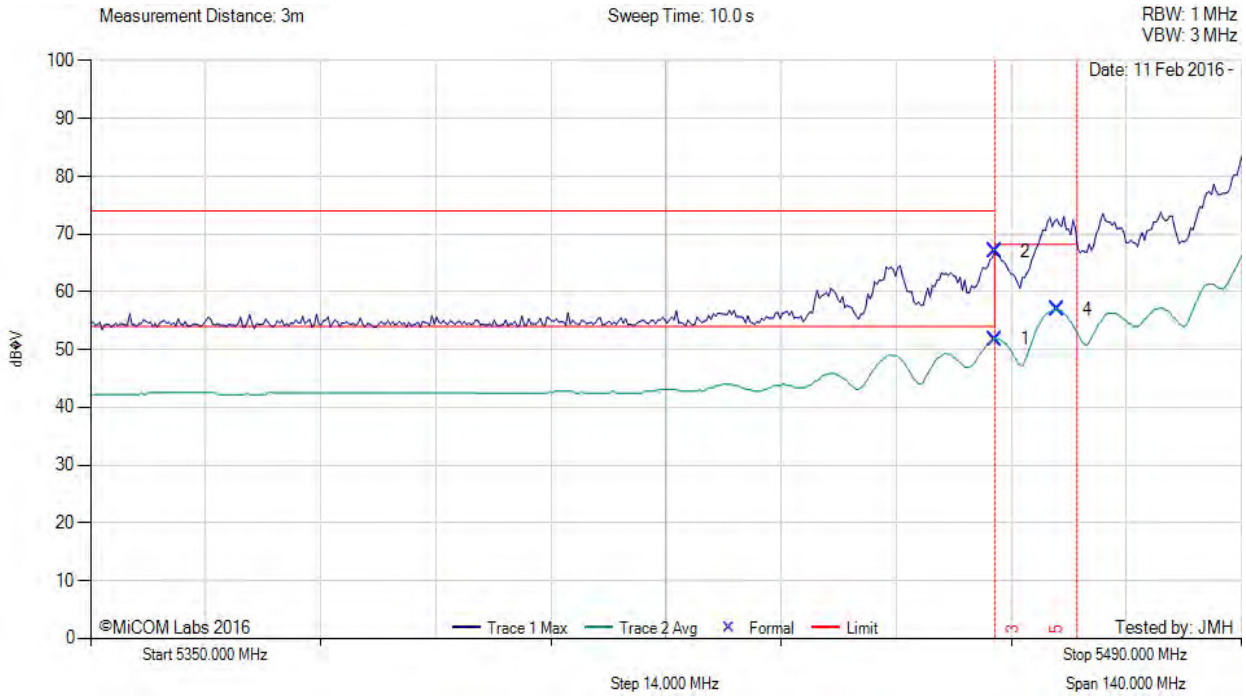
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5510.00 MHz, Antenna: AP-ANT-20W, 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	5460.00	13.67	3.79	34.31	51.77	Max Avg	Horizontal	152	16	54.0	-2.2	Pass
2	5460.00	28.89	3.79	34.31	66.99	Max Peak	Horizontal	152	16	74.0	-7.0	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5467.56	18.81	3.79	34.32	56.92	Max Avg	Horizontal	153	30	68.2*	-11.3	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

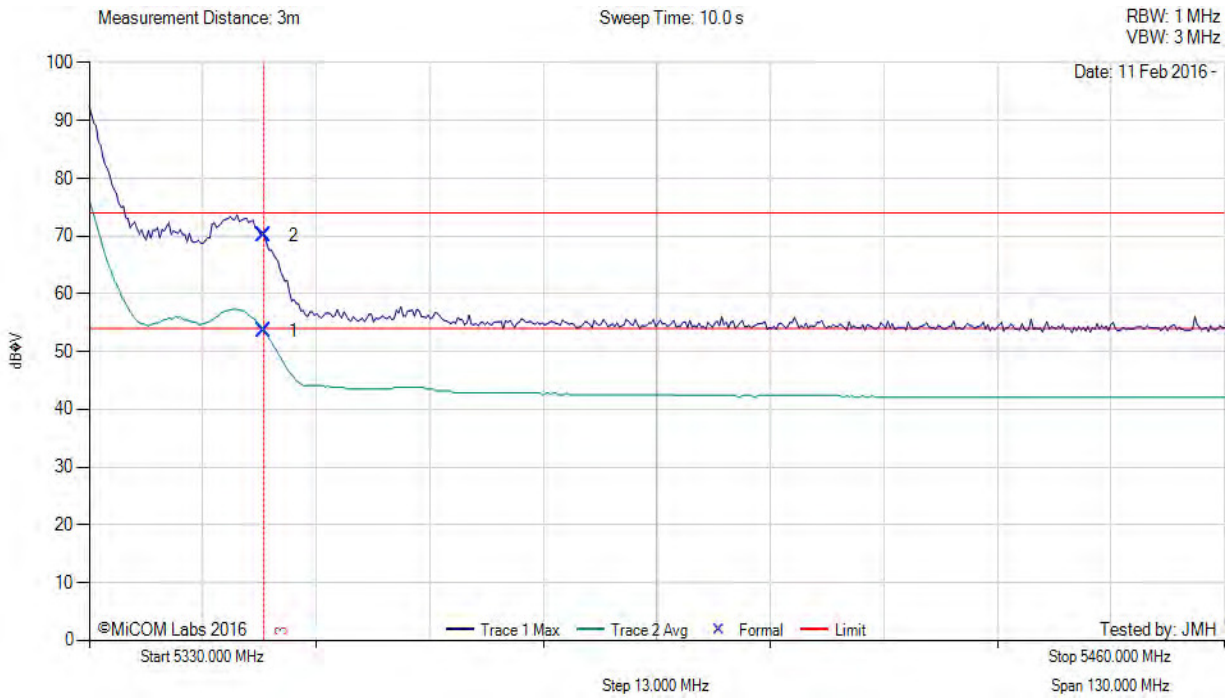
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5320.00 MHz, Antenna: AP-ANT-20W, Power Setting: 17.5, 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	5350.00	15.37	3.70	34.51	53.58	Max Avg	Vertical	158	342	54.0	-0.4	Pass
2	5350.00	31.93	3.70	34.51	70.14	Max Peak	Vertical	158	342	74.0	-3.9	Pass
3	5350.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

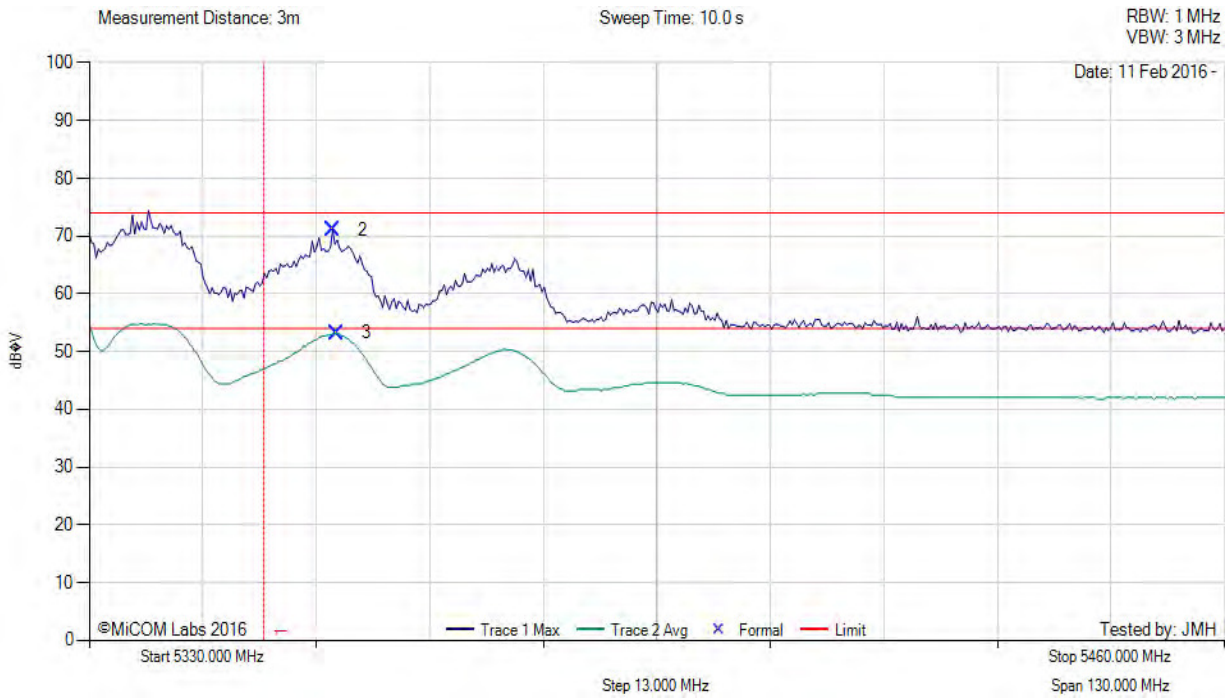
Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5290.00 MHz, Antenna: AP-ANT-20W, 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	5350.00	--	--	--	--	Band-Edge	--	--	--	--	--	--
2	5357.92	32.81	3.71	34.49	71.01	Max Peak	Vertical	158	342	74.0	-3.0	Pass
3	5358.30	14.98	3.71	34.49	53.18	Max Avg	Vertical	158	342	54.0	-0.8	Pass

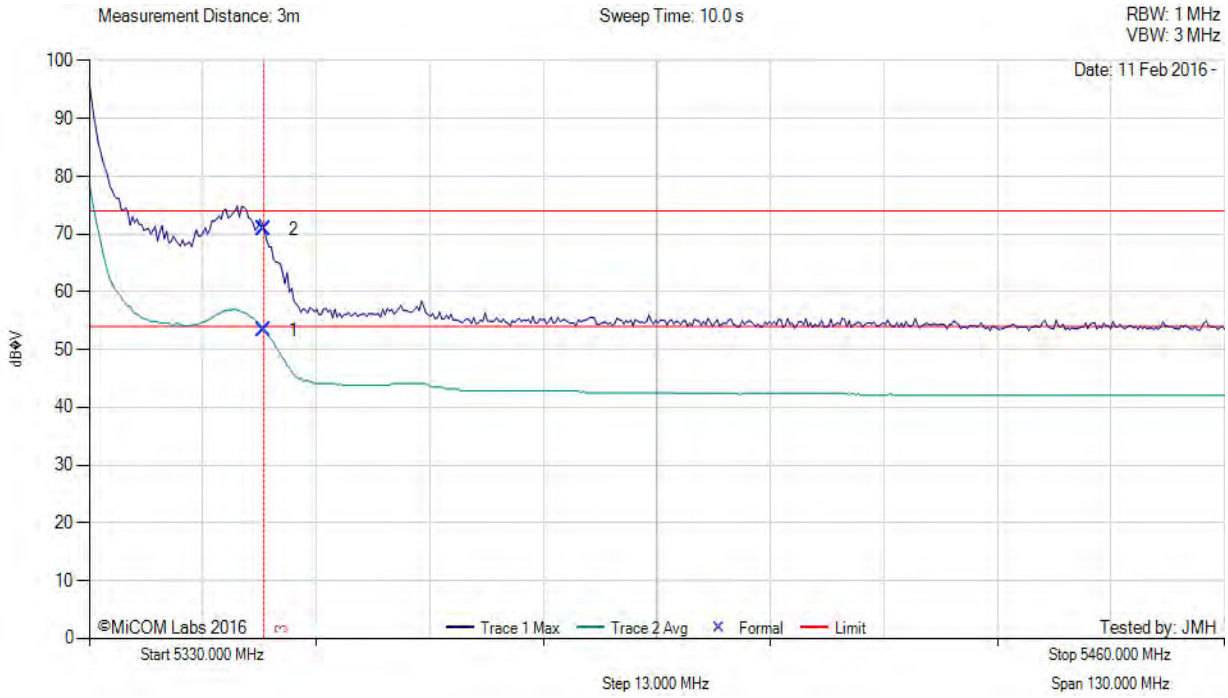
Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5320.00 MHz, Antenna: AP-ANT-20W, Power Setting: 17.5, 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	5350.00	15.08	3.70	34.51	53.29	Max Avg	Vertical	158	342	54.0	-0.7	Pass
2	5350.00	32.67	3.70	34.51	70.88	Max Peak	Vertical	158	342	74.0	-3.1	Pass
3	5350.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

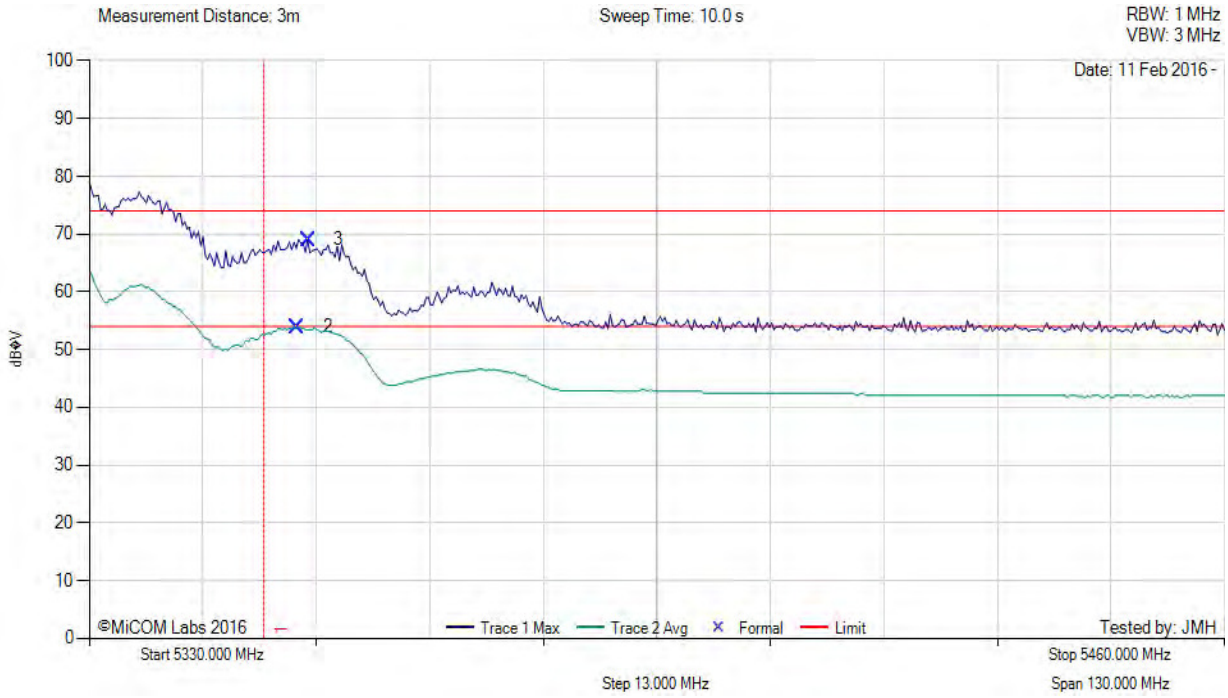
Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5310.00 MHz, Antenna: AP-ANT-20W, 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	5350.00	--	--	--	--	Band-Edge	--	--	--	--	--	--
2	5353.87	15.75	3.71	34.50	53.96	Max Avg	Vertical	158	342	54.0	0.0	Pass
3	5355.05	30.79	3.71	34.50	69.00	Max Peak	Vertical	158	342	74.0	-5.0	Pass

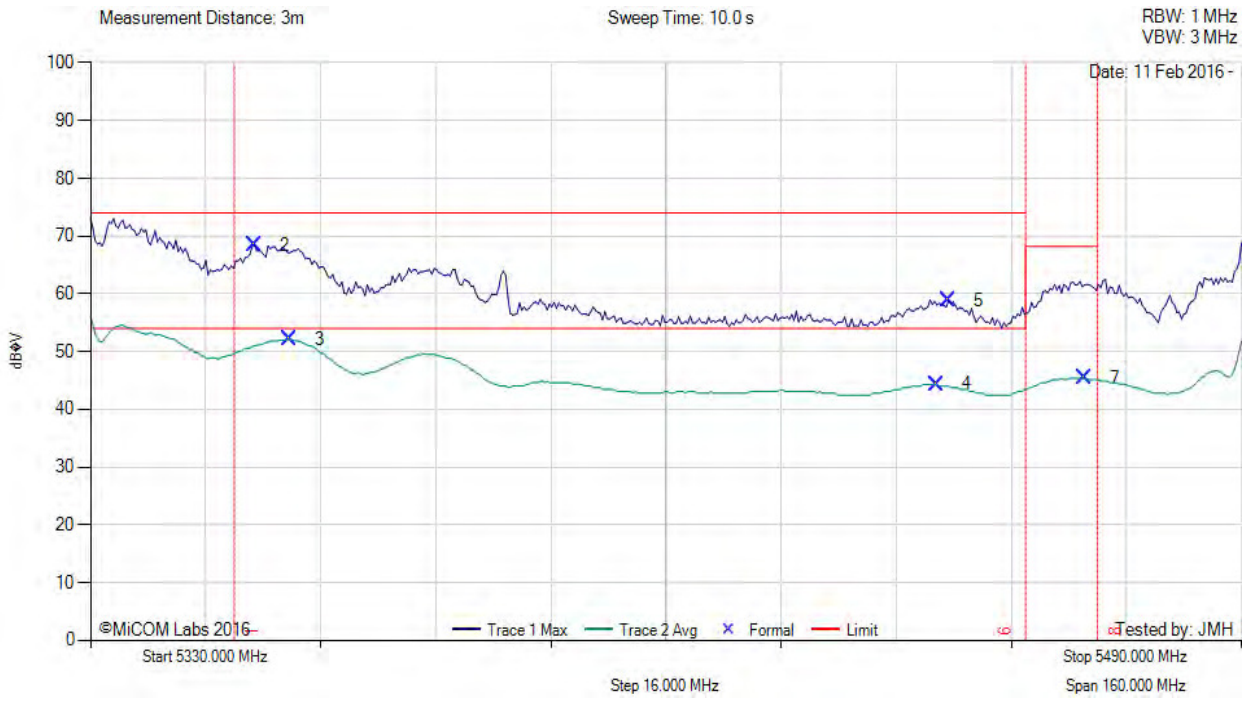
Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5290.00 MHz, Antenna: AP-ANT-20W, Power Setting: 14.5, 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	5350.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
2	5352.81	30.24	3.71	34.50	68.45	Max Peak	Vertical	158	342	74.0	-5.6	Pass
3	5357.60	14.01	3.71	34.49	52.21	Max Avg	Vertical	158	342	54.0	-1.8	Pass
4	5447.67	6.22	3.79	34.31	44.32	Max Avg	Horizontal	158	342	54.0	-9.7	Pass
5	5449.27	20.69	3.79	34.31	58.79	Max Peak	Horizontal	158	342	74.0	-15.2	Pass
6	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
7	5468.20	7.28	3.79	34.32	45.39	Max Avg	Horizontal	153	30	68.2*	-22.8	Pass
8	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

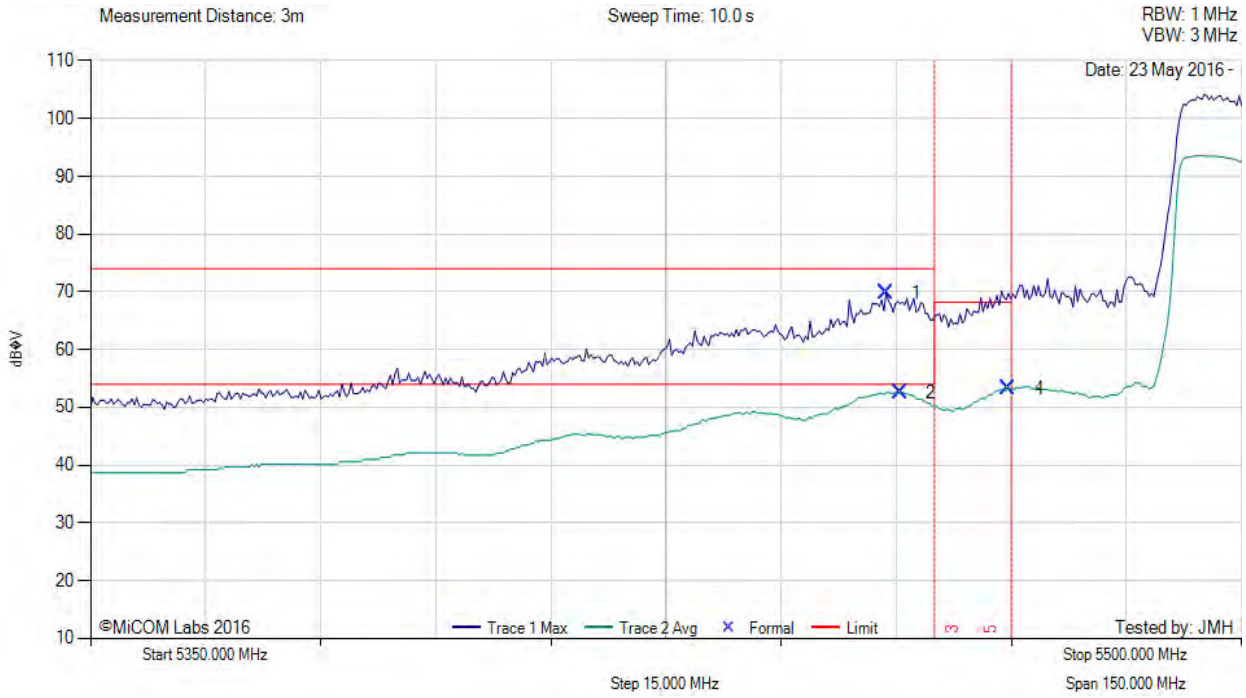
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-160, Test Freq: 5570.00 MHz, Antenna: AP-ANT-20W, Power Setting: 15, Duty Cycle (%): 91



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5453.65	31.72	3.79	34.30	69.81	Max Peak	Horizontal	154	313	74.0	-4.2	Pass
2	5455.47	14.47	3.79	34.30	52.56	Max Avg	Horizontal	154	313	54.0	-1.4	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5469.64	15.19	3.79	34.32	53.30	Max Avg	Horizontal	153	30	68.2*	-14.9	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

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

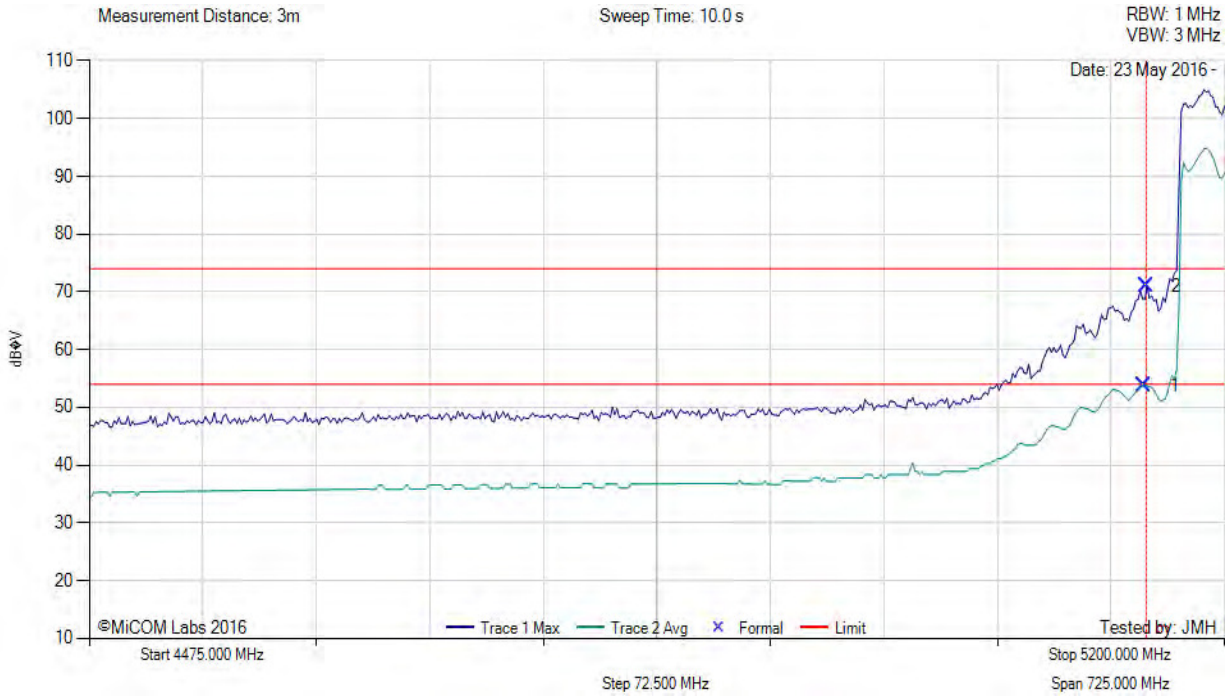
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-160, Test Freq: 5250.00 MHz, Antenna: AP-ANT-20W, Power Setting: 14.5, Duty Cycle (%): 91



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5148.85	16.04	3.67	34.11	53.82	Max Avg	Horizontal	152	321	54.0	-0.2	Pass
2	5150.00	33.15	3.67	34.11	70.93	Max Peak	Horizontal	152	321	74.0	-3.1	Pass
3	5150.00	--	--	--	--	Band Edge	--	--	--	--	--	--

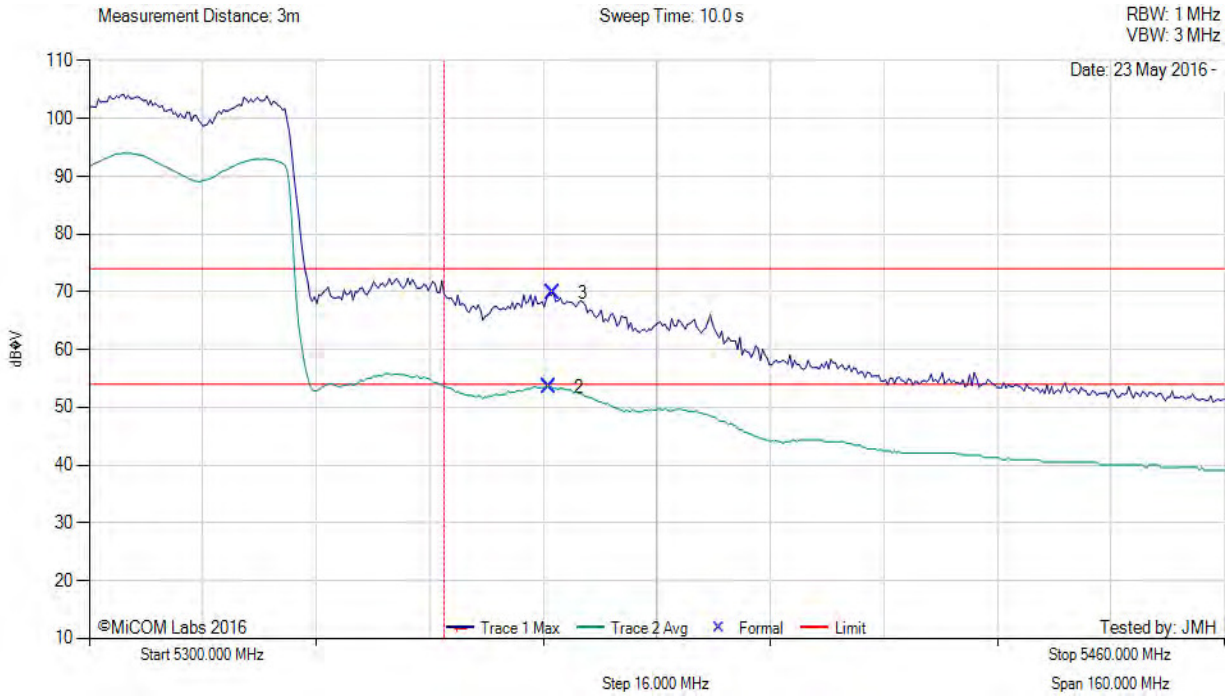
Test Notes: EUT on 150cm table powered by PDSine 9001GR POE. Power reduced to meet Band Edge Limits.

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11ac-160, Test Freq: 5250.00 MHz, Antenna: AP-ANT-20W, Power Setting: 14.5, Duty Cycle (%): 91



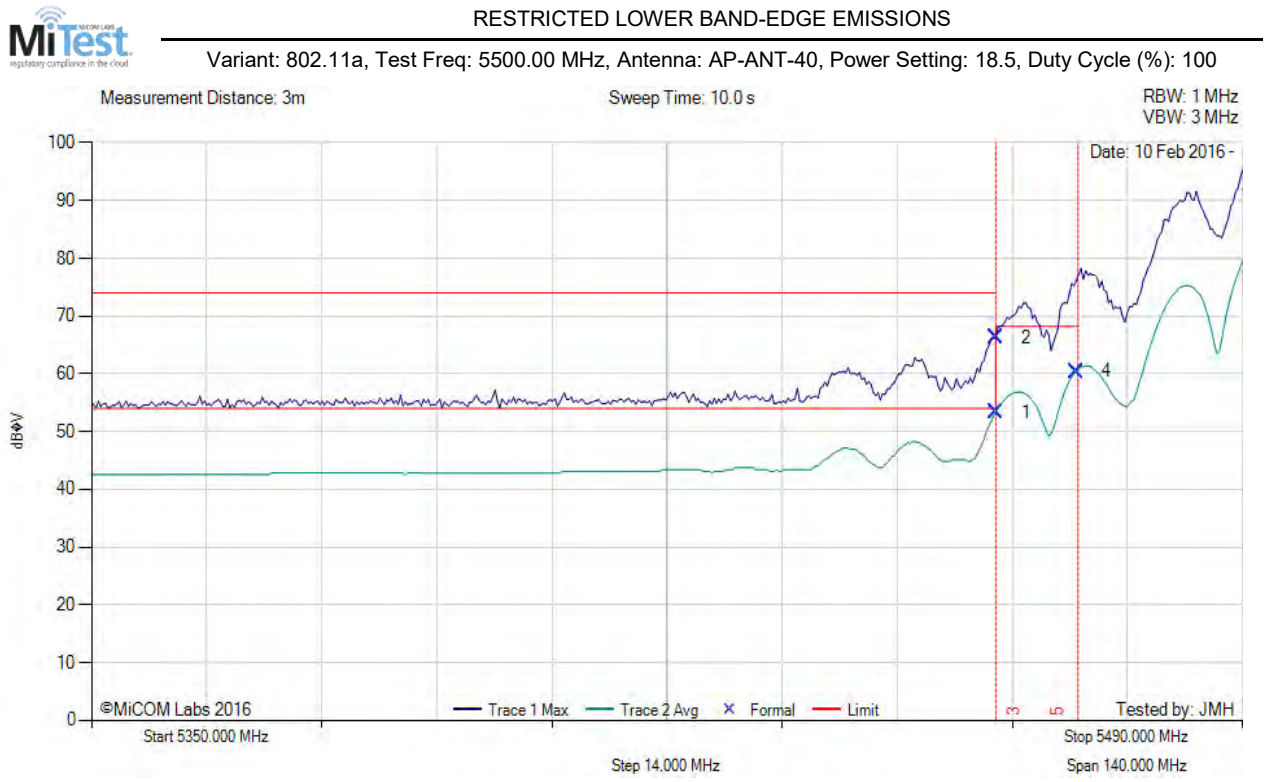
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5350.00	--	--	--	--	Band Edge	--	--	--	--	--	--
2	5364.75	15.42	3.69	34.47	53.58	Max Avg	Horizontal	143	-8	54.0	-0.4	Pass
3	5365.29	31.64	3.69	34.47	69.80	Max Peak	Horizontal	143	-8	74.0	-4.2	Pass

Test Notes: EUT on 150cm table powered by PDSine 9001GR POE. Power reduced to meet Band Edge Limits.

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A.1.2.5. AP-ANT-40



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5460.00	15.20	3.79	34.31	53.30	Max Avg	Horizontal	148	24	54.0	-0.7	Pass
2	5460.00	28.20	3.79	34.31	66.30	Max Peak	Horizontal	148	24	74.0	-7.7	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5469.80	22.33	3.79	34.32	60.44	Max Avg	Horizontal	153	30	68.2*	-7.8	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

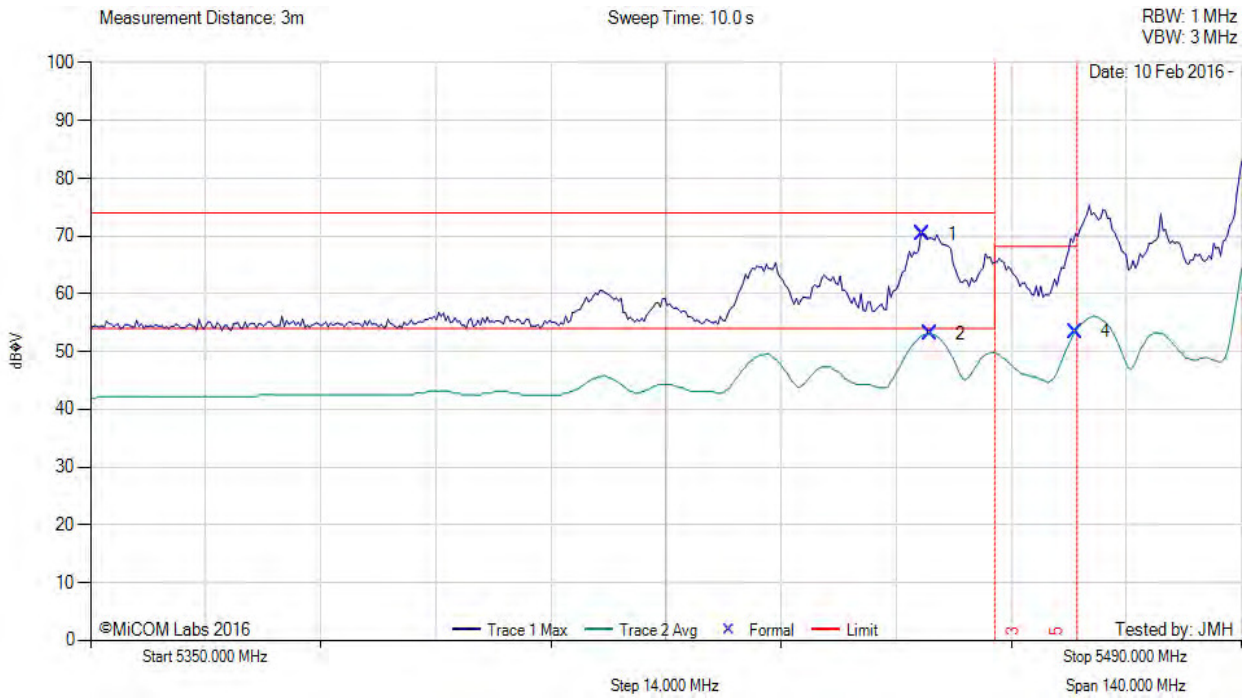
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5530.00 MHz, Antenna: AP-ANT-40, Power Setting: 13.5, 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	5451.18	32.31	3.78	34.30	70.39	Max Peak	Horizontal	148	24	74.0	-3.6	Pass
2	5452.16	15.01	3.78	34.30	53.09	Max Avg	Horizontal	148	24	54.0	-0.9	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5469.80	15.39	3.79	34.32	53.50	Max Avg	Horizontal	153	30	68.2*	-14.7	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

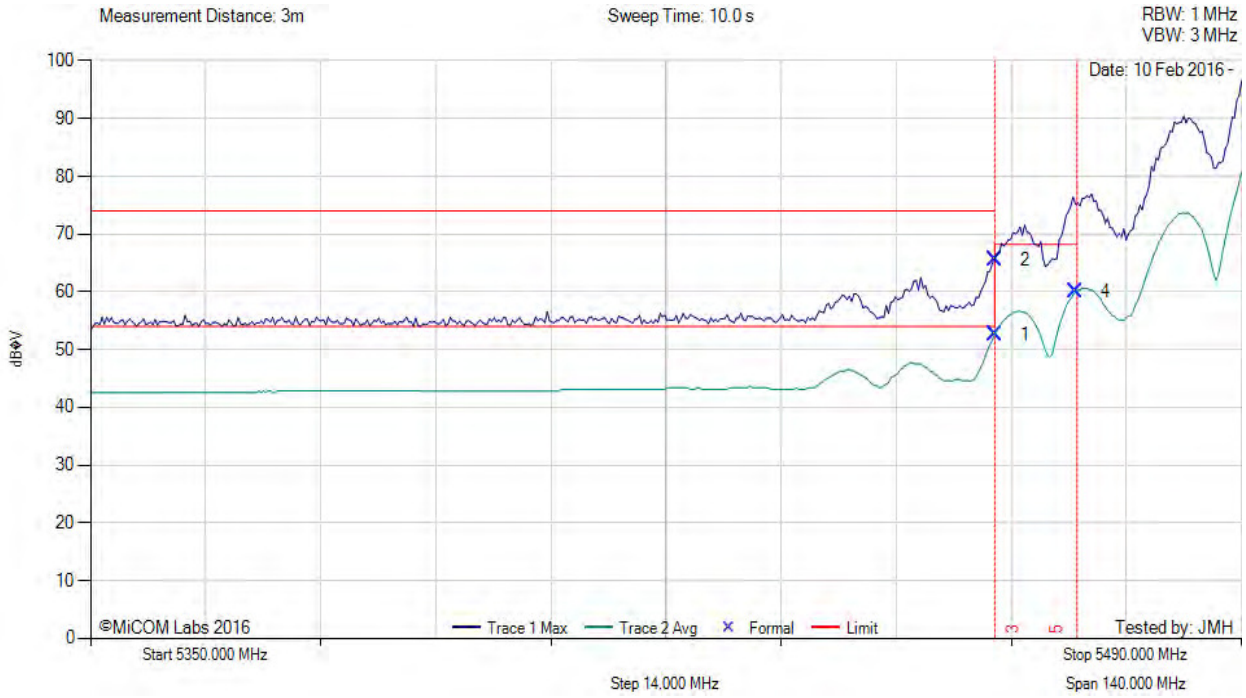
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5500.00 MHz, Antenna: AP-ANT-40, Power Setting: 18.5, 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	5460.00	14.47	3.79	34.31	52.57	Max Avg	Horizontal	148	24	54.0	-1.4	Pass
2	5460.00	27.53	3.79	34.31	65.63	Max Peak	Horizontal	148	24	74.0	-8.4	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5469.80	21.97	3.79	34.32	60.08	Max Avg	Horizontal	153	30	68.2*	-8.2	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

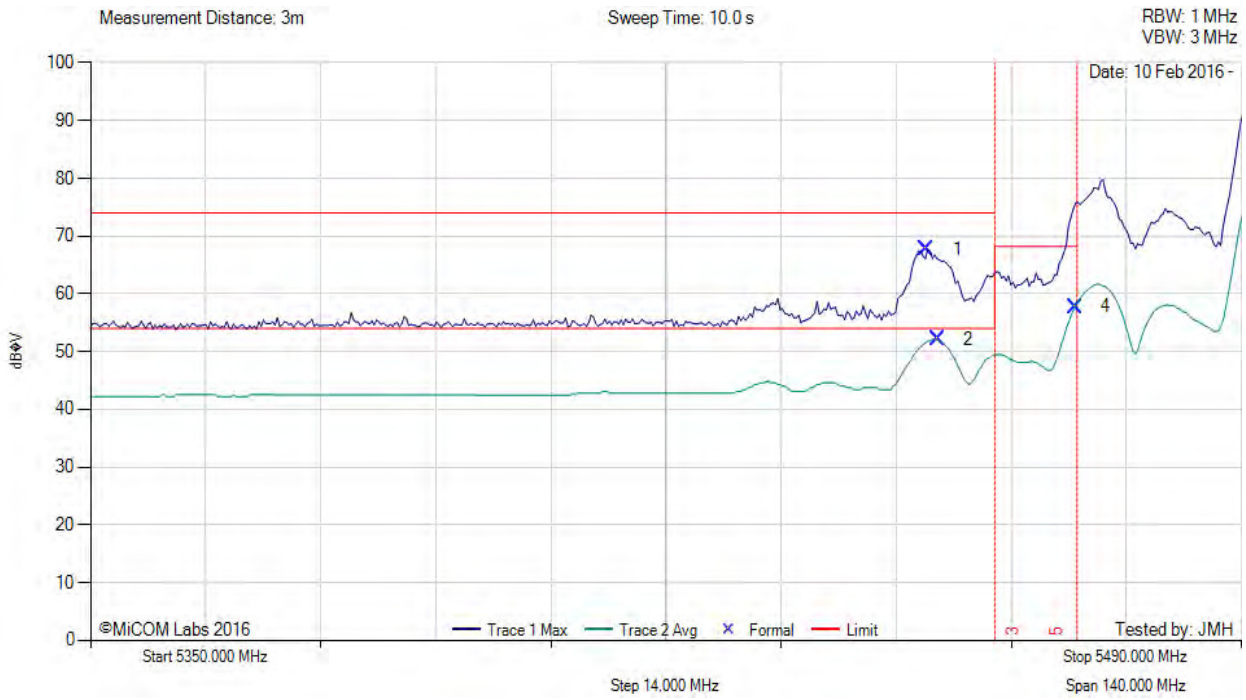
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5510.00 MHz, Antenna: AP-ANT-40, Power Setting: 16, 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	5451.74	29.60	3.78	34.30	67.68	Max Peak	Horizontal	148	24	74.0	-6.3	Pass
2	5453.01	14.03	3.79	34.30	52.12	Max Avg	Horizontal	148	24	54.0	-1.9	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5469.80	19.62	3.79	34.32	57.73	Max Avg	Horizontal	153	30	68.2*	-10.5	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

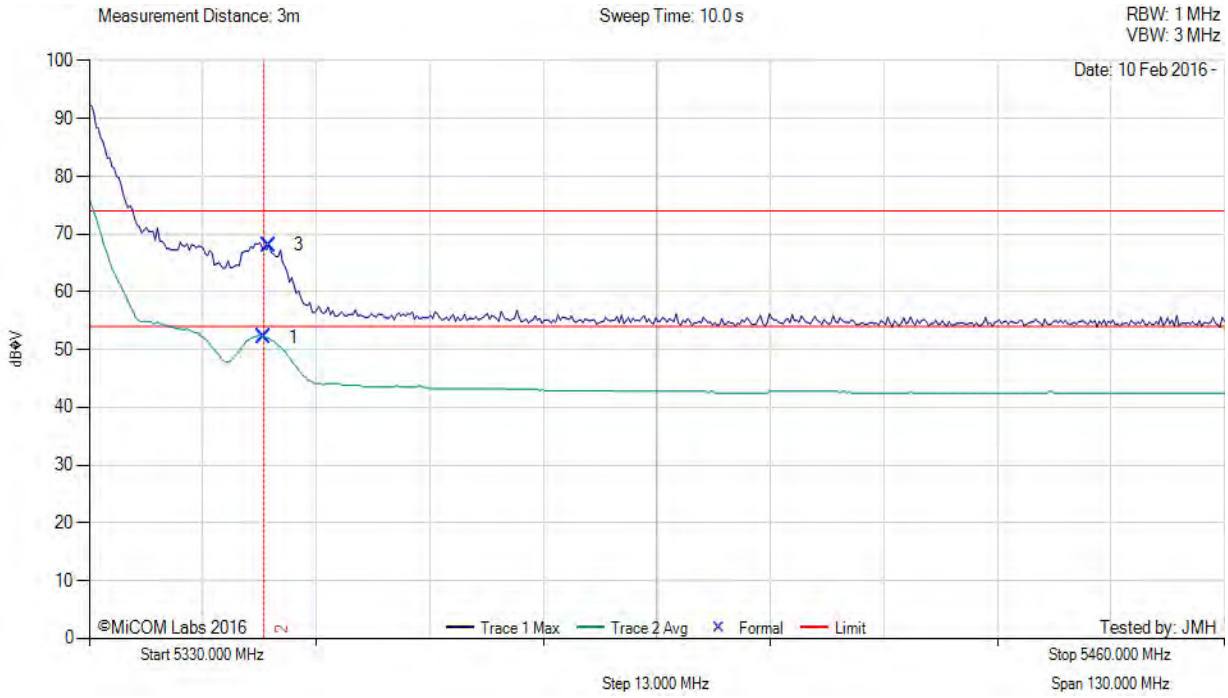
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5320.00 MHz, Antenna: AP-ANT-40, 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	5350.00	14.00	3.70	34.51	52.21	Max Avg	Horizontal	157	321	54.0	-1.8	Pass
2	5350.00	--	--	--	--	Band-Edge	--	--	--	--	--	--
3	5350.52	29.85	3.71	34.51	68.07	Max Peak	Horizontal	157	321	74.0	-5.9	Pass

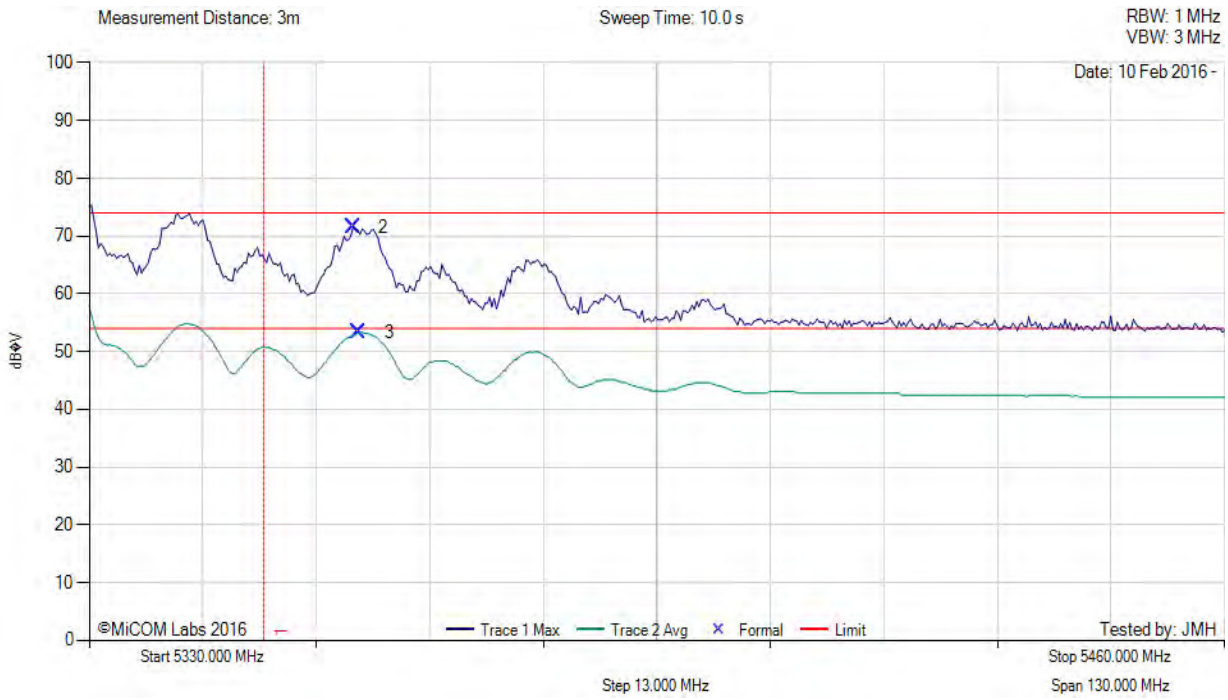
Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5290.00 MHz, Antenna: AP-ANT-40, Power Setting: 13, 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	5350.00	--	--	--	--	Band-Edge	--	--	--	--	--	--
2	5360.26	33.38	3.70	34.49	71.57	Max Peak	Horizontal	157	321	74.0	-2.4	Pass
3	5360.90	15.10	3.70	34.48	53.28	Max Avg	Horizontal	157	321	54.0	-0.7	Pass

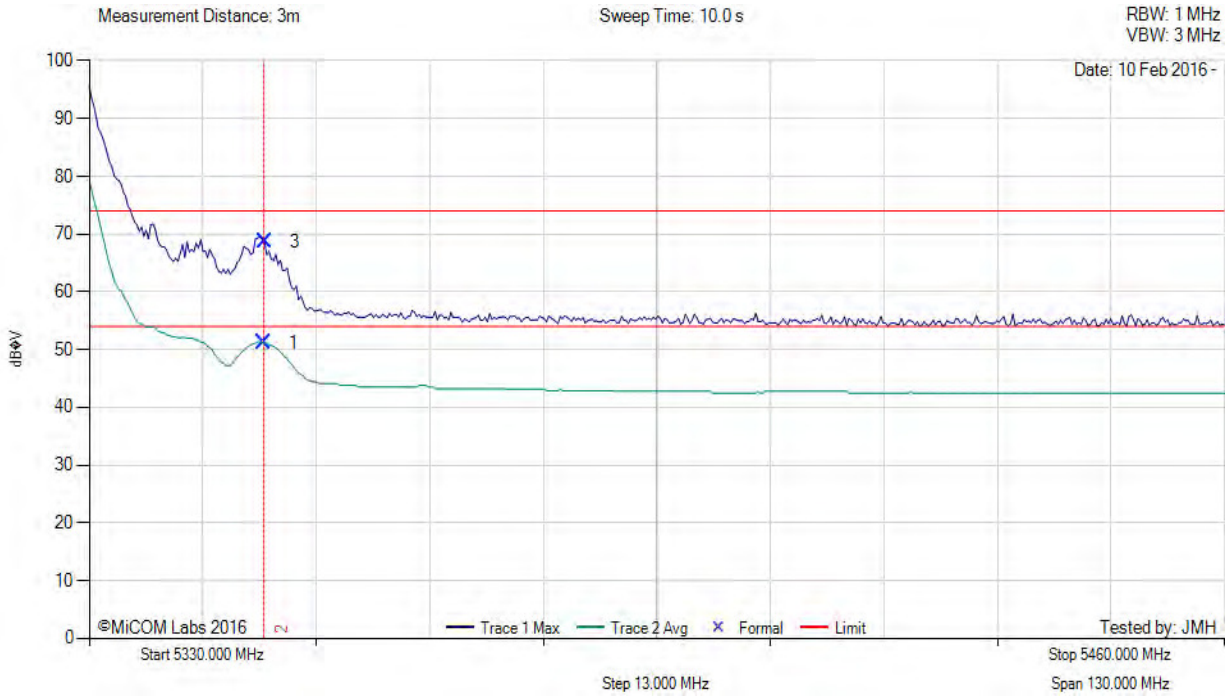
Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5320.00 MHz, Antenna: AP-ANT-40, 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	5350.00	12.91	3.70	34.51	51.12	Max Avg	Horizontal	157	321	54.0	-2.9	Pass
3	5350.10	30.52	3.70	34.51	68.73	Max Peak	Horizontal	157	321	74.0	-5.3	Pass
2	5350.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

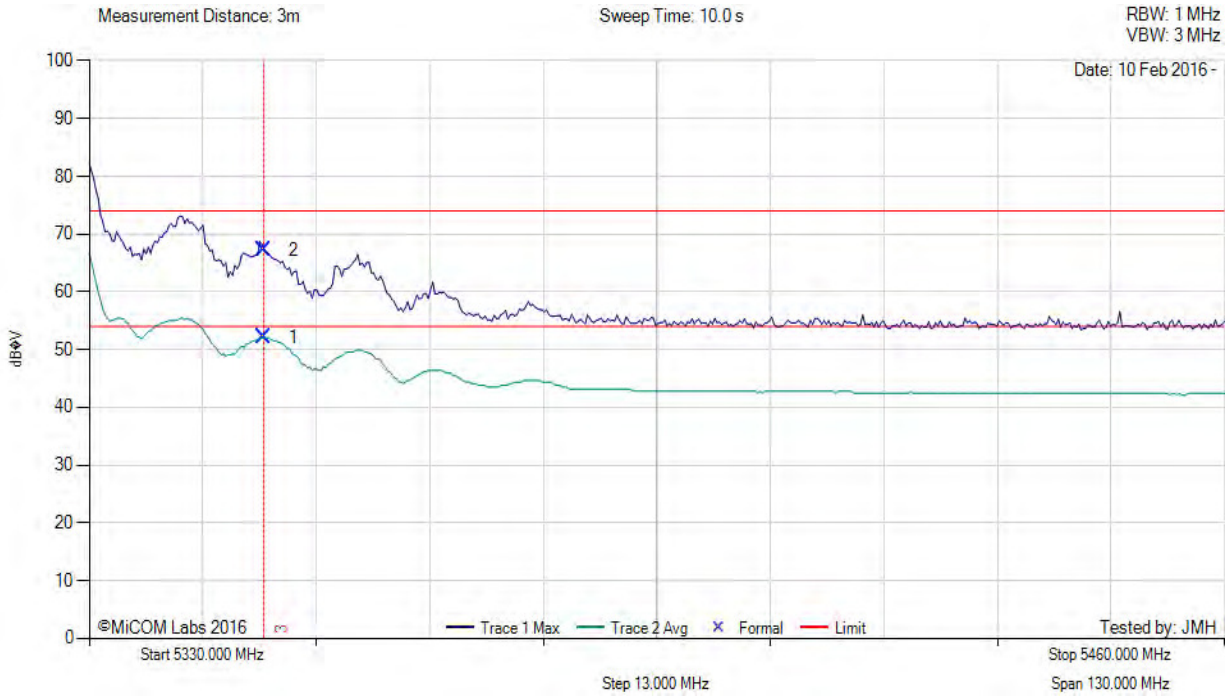
Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5310.00 MHz, Antenna: AP-ANT-40, 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	5349.96	13.89	3.70	34.51	52.10	Max Avg	Horizontal	157	321	54.0	-1.9	Pass
2	5350.00	28.99	3.70	34.51	67.20	Max Peak	Horizontal	157	321	74.0	-6.8	Pass
3	5350.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

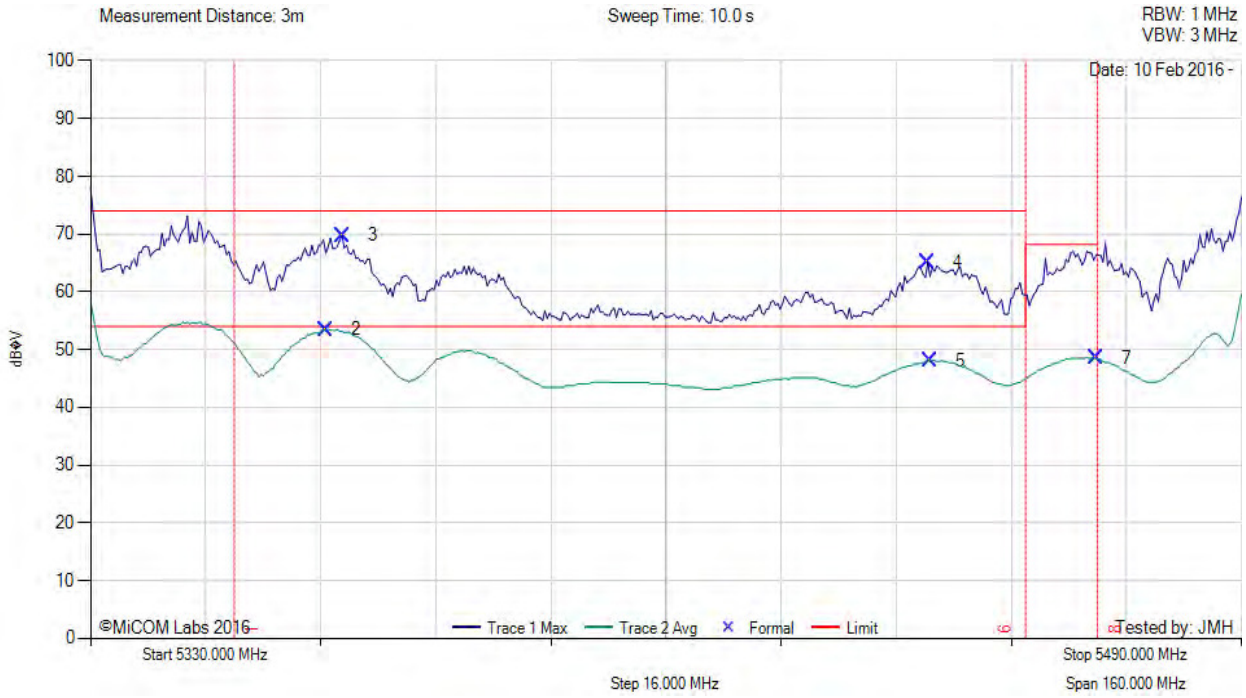
Test Notes: EUT on 150cm table powered by POE. Connected to laptop outside chamber

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5290.00 MHz, Antenna: AP-ANT-40, 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	5350.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
2	5362.73	15.30	3.70	34.48	53.48	Max Avg	Horizontal	157	321	54.0	-0.5	Pass
3	5364.99	31.63	3.69	34.47	69.79	Max Peak	Horizontal	157	321	74.0	-4.2	Pass
4	5446.39	26.86	3.70	34.51	65.07	Max Peak	Horizontal	157	321	74.0	-8.9	Pass
5	5446.71	9.91	3.70	34.51	48.12	Max Avg	Horizontal	157	321	54.0	-5.9	Pass
6	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
7	5469.80	10.38	3.79	34.32	48.49	Max Avg	Horizontal	153	30	68.2*	-19.7	Pass
8	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

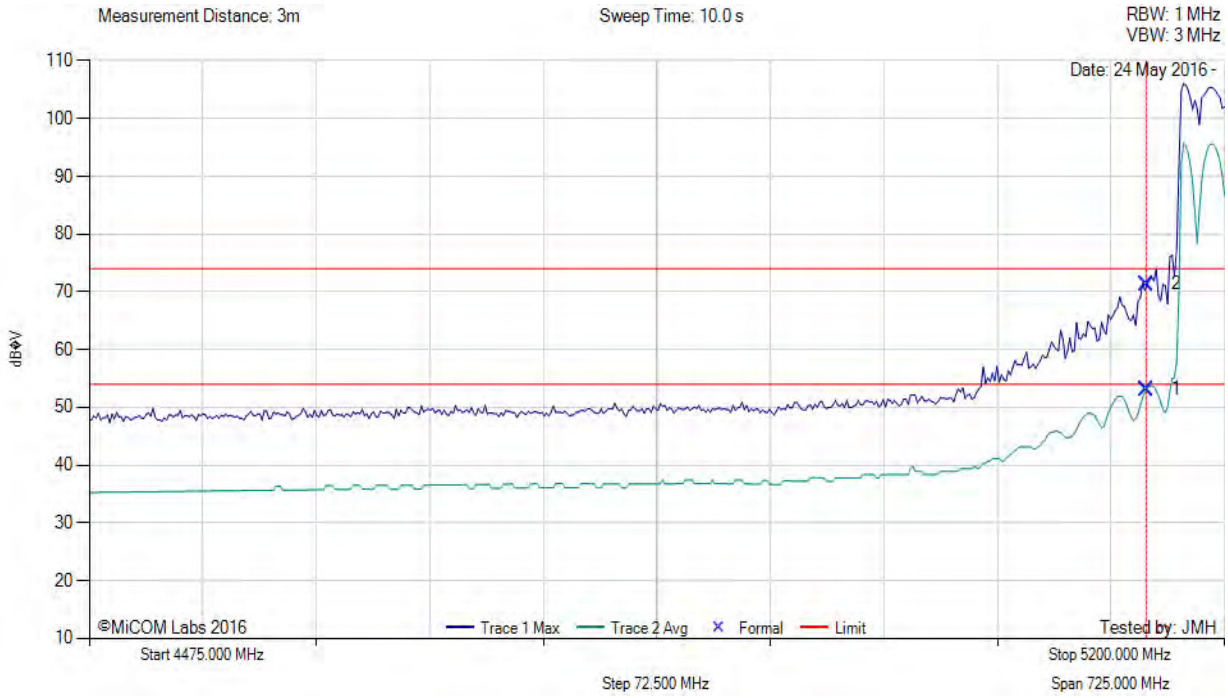
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-160, Test Freq: 5250.00 MHz, Antenna: AP-ANT-40, Power Setting: 13.5, Duty Cycle (%): 91



Num	Frequency MHz	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	15.37	3.67	34.11	53.15	Max Avg	Horizontal	200	42	54.0	-0.9	Pass
2	5150.00	33.58	3.67	34.11	71.36	Max Peak	Horizontal	200	42	74.0	-2.6	Pass
3	5150.00	--	--	--	--	Band Edge	--	--	--	--	--	--

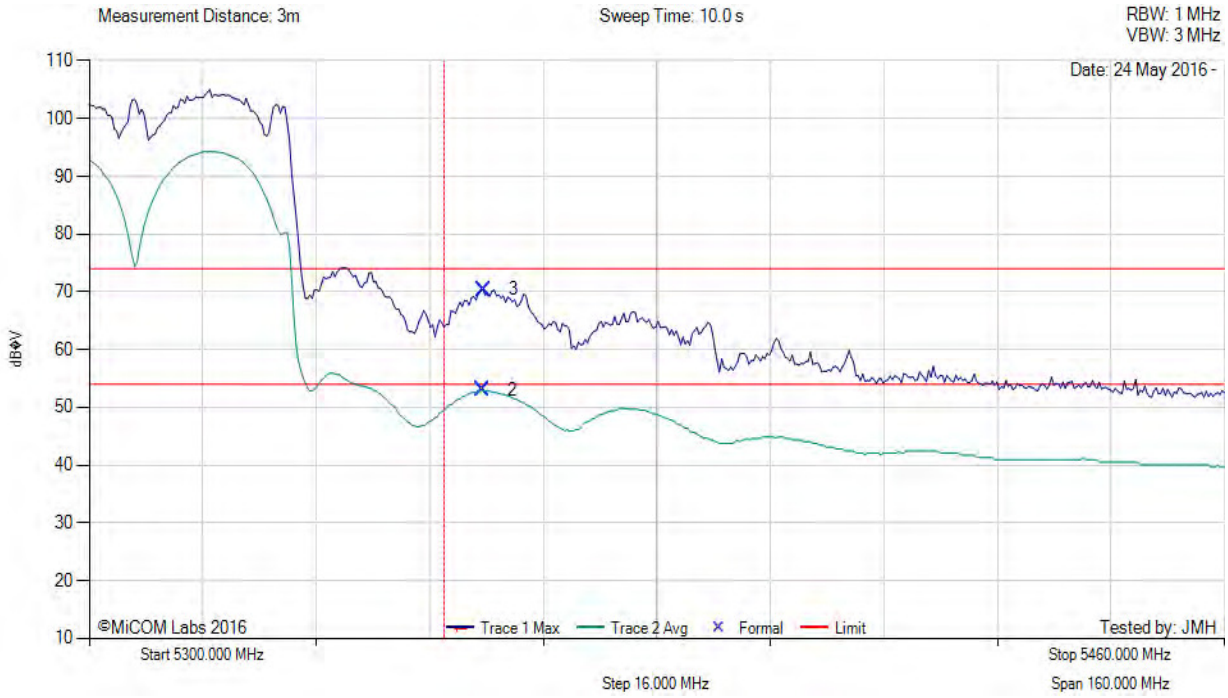
Test Notes: EUT on 150cm table powered by PDSine 9001GR POE. Power reduced to meet Band Edge Limits.

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11ac-160, Test Freq: 5250.00 MHz, Antenna: AP-ANT-40, Power Setting: 13.5, Duty Cycle (%): 91



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5350.00	--	--	--	--	Band Edge	--	--	--	--	--	--
2	5355.39	14.77	3.71	34.50	52.98	Max Avg	Horizontal	200	42	54.0	-1.0	Pass
3	5355.57	32.23	3.71	34.50	70.44	Max Peak	Horizontal	200	42	74.0	-3.6	Pass

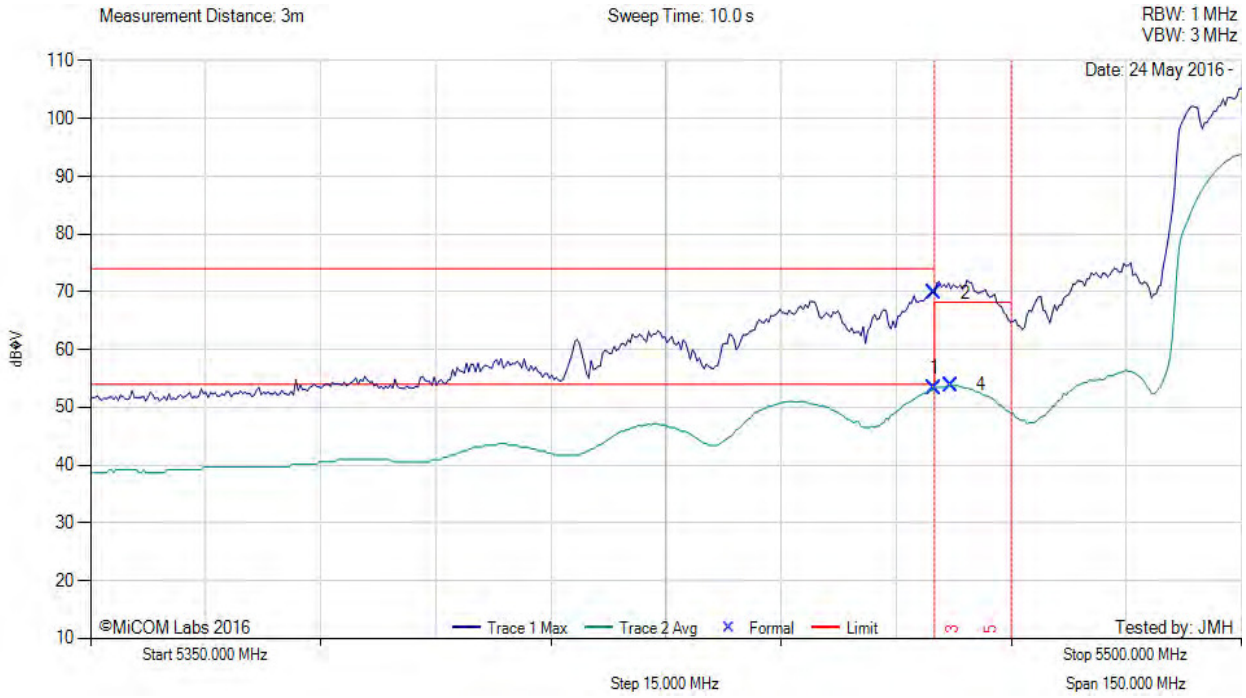
Test Notes: EUT on 150cm table powered by PDSine 9001GR POE. Power reduced to meet Band Edge Limits.

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-160, Test Freq: 5570.00 MHz, Antenna: AP-ANT-40, Power Setting: 14, Duty Cycle (%): 91



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5460.00	15.20	3.79	34.31	53.30	Max Avg	Horizontal	141	41	54.0	-0.7	Pass
2	5460.00	31.70	3.79	34.31	69.80	Max Peak	Horizontal	141	41	74.0	-4.2	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5462.12	15.77	3.79	34.31	53.87	Max Avg	Horizontal	153	30	68.2*	-14.4	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

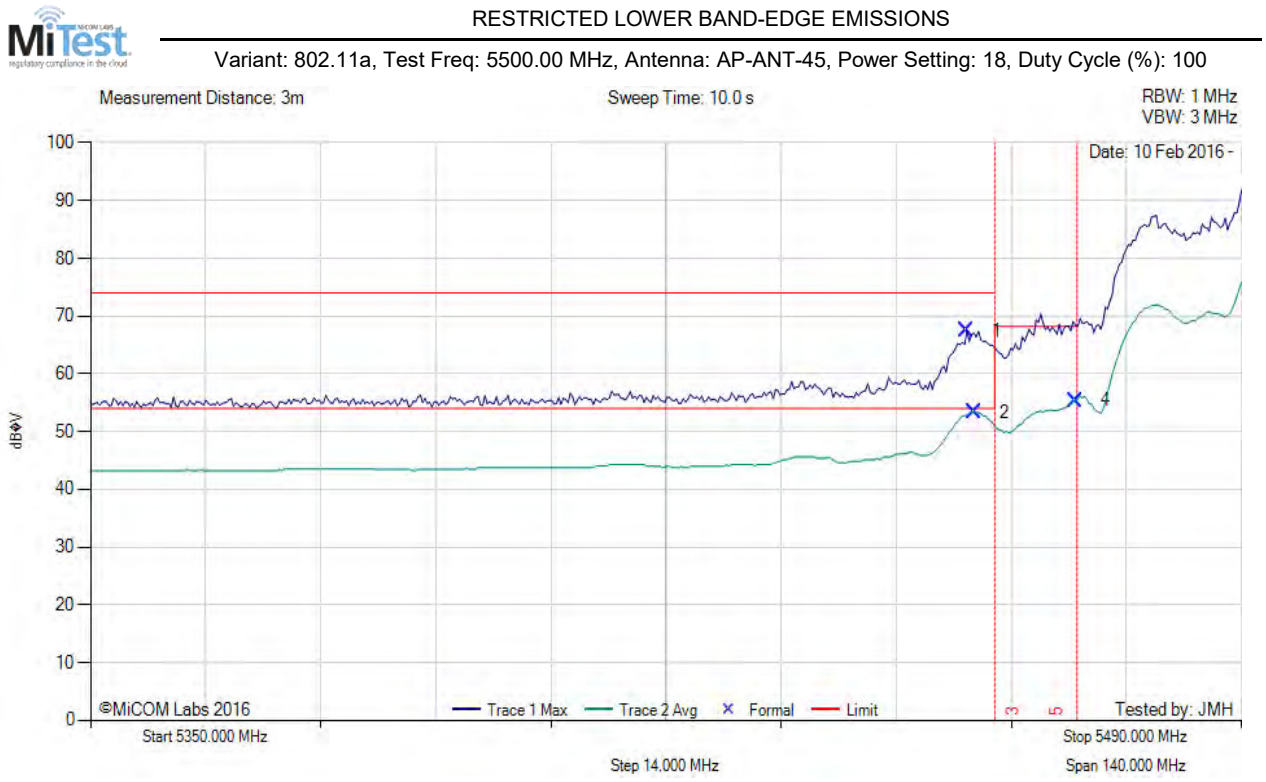
Test Notes: EUT on 150cm table powered by PDSine 9001GR POE. Power reduced to meet Band Edge Limits.

*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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A.1.2.6. AP-ANT-45



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5456.51	29.33	3.80	34.30	67.43	Max Peak	Horizontal	163	22	74.0	-6.6	Pass
2	5457.49	15.29	3.80	34.30	53.39	Max Avg	Horizontal	163	22	54.0	-0.6	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5469.80	17.30	3.79	34.32	55.41	Max Avg	Horizontal	153	30	68.2*	-12.8	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

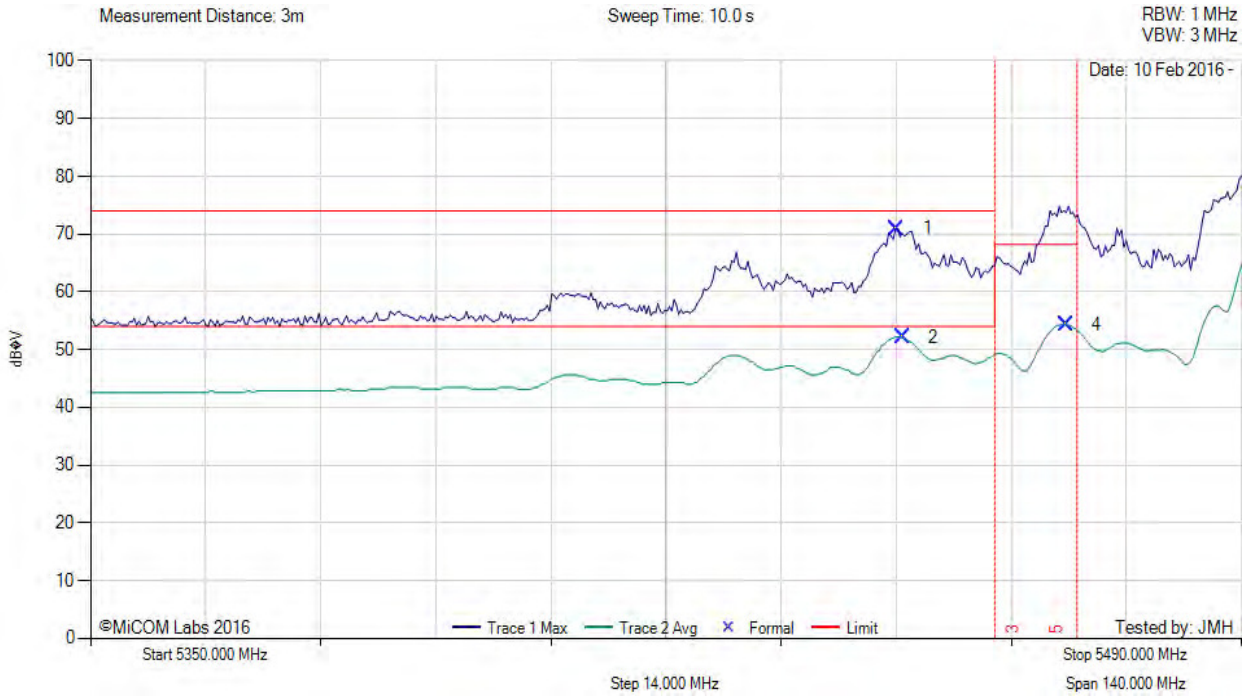
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5530.00 MHz, Antenna: AP-ANT-45, Power Setting: 13, 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	5448.10	32.92	3.77	34.30	70.99	Max Peak	Horizontal	163	22	74.0	-3.0	Pass
2	5448.80	14.04	3.77	34.30	52.11	Max Avg	Horizontal	163	22	54.0	-1.9	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5468.68	16.23	3.79	34.32	54.34	Max Avg	Horizontal	153	30	68.2*	-13.9	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

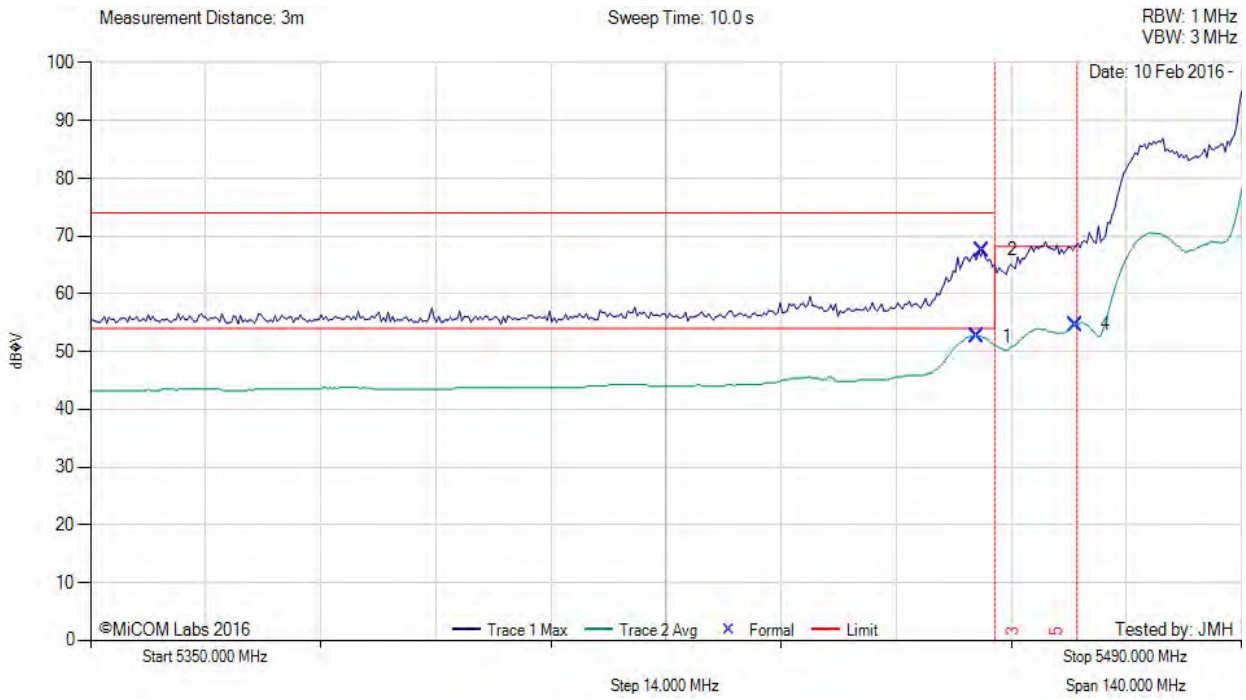
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5500.00 MHz, Antenna: AP-ANT-45, 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	5457.78	14.57	3.80	34.30	52.67	Max Avg	Horizontal	163	22	54.0	-1.3	Pass
2	5458.48	29.47	3.80	34.30	67.57	Max Peak	Horizontal	163	22	74.0	-6.4	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5469.80	16.57	3.79	34.32	54.68	Max Avg	Horizontal	153	30	68.2*	-13.6	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

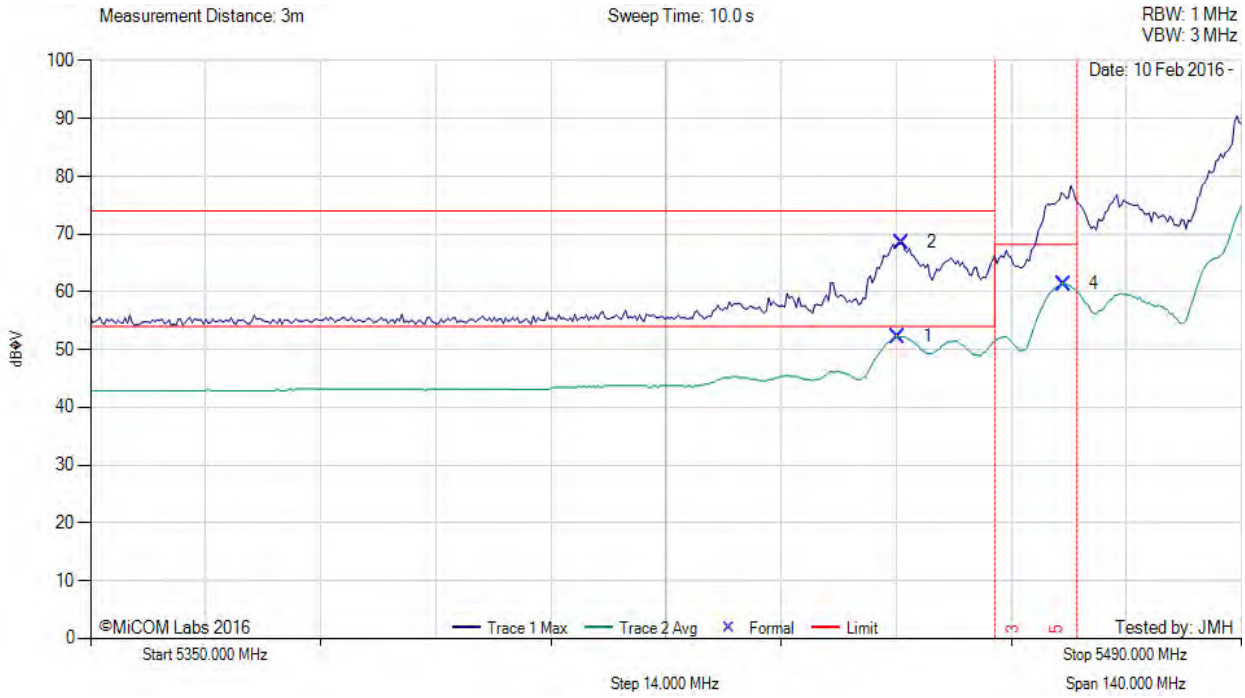
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5510.00 MHz, Antenna: AP-ANT-45, Power Setting: 16, 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	5448.24	14.16	3.77	34.30	52.23	Max Avg	Horizontal	163	22	54.0	-1.8	Pass
2	5448.66	30.49	3.77	34.30	68.56	Max Peak	Horizontal	163	22	74.0	-5.4	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5468.40	23.26	3.79	34.31	61.36	Max Avg	Horizontal	153	30	68.2*	-6.9	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

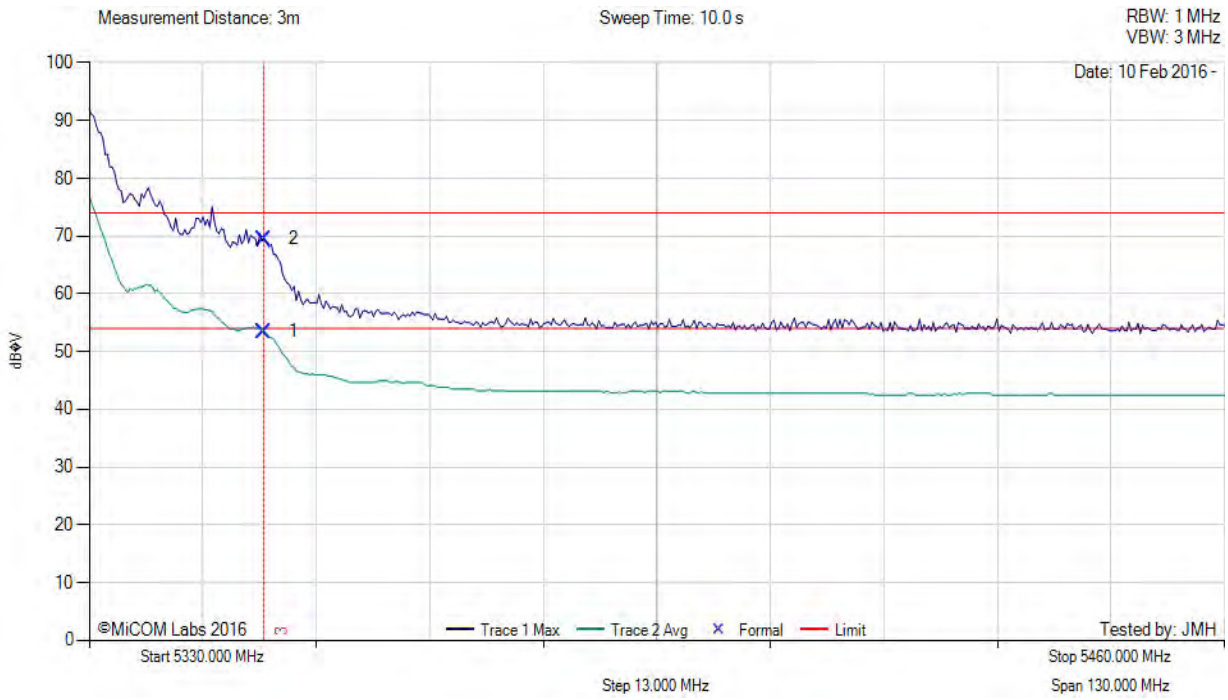
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5320.00 MHz, Antenna: AP-ANT-45, 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	5350.00	15.27	3.70	34.51	53.48	Max Avg	Horizontal	167	345	54.0	-0.5	Pass
2	5350.00	31.33	3.70	34.51	69.54	Max Peak	Horizontal	167	345	74.0	-4.5	Pass
3	5350.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

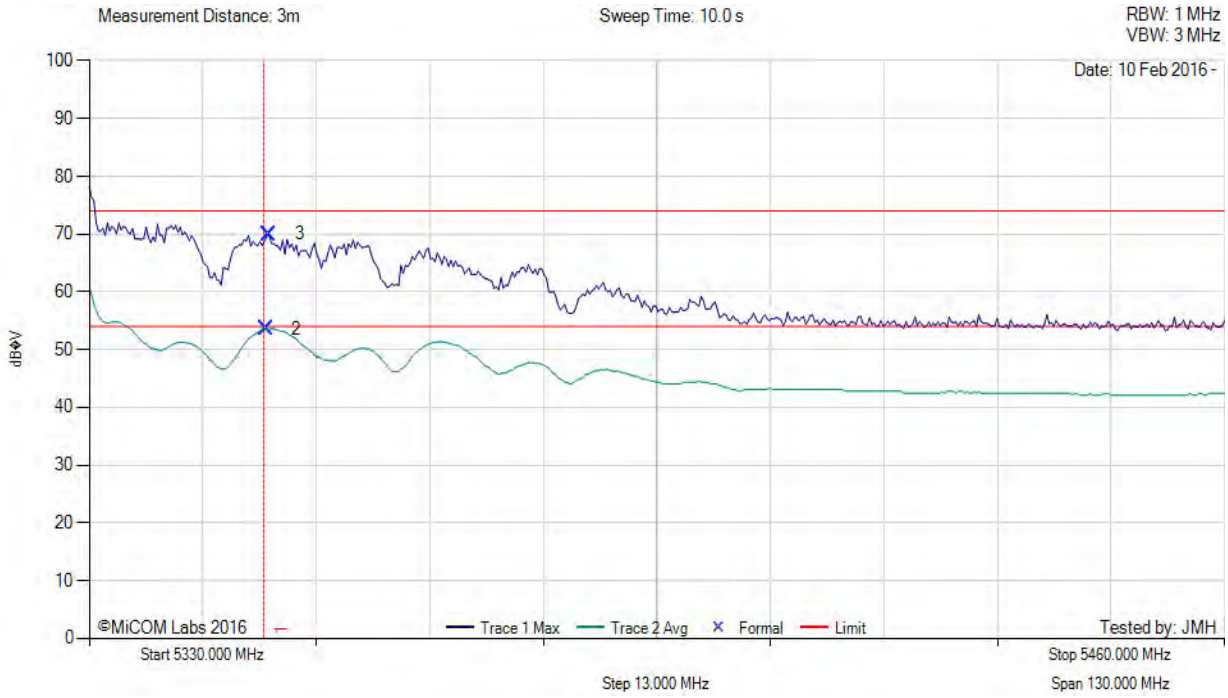
Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5290.00 MHz, Antenna: AP-ANT-45, Power Setting: 13, 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	5350.00	--	--	--	--	Band-Edge	--	--	--	--	--	--
2	5350.22	15.37	3.70	34.51	53.58	Max Avg	Horizontal	167	345	54.0	-0.4	Pass
3	5350.62	31.75	3.71	34.51	69.97	Max Peak	Horizontal	167	345	74.0	-4.0	Pass

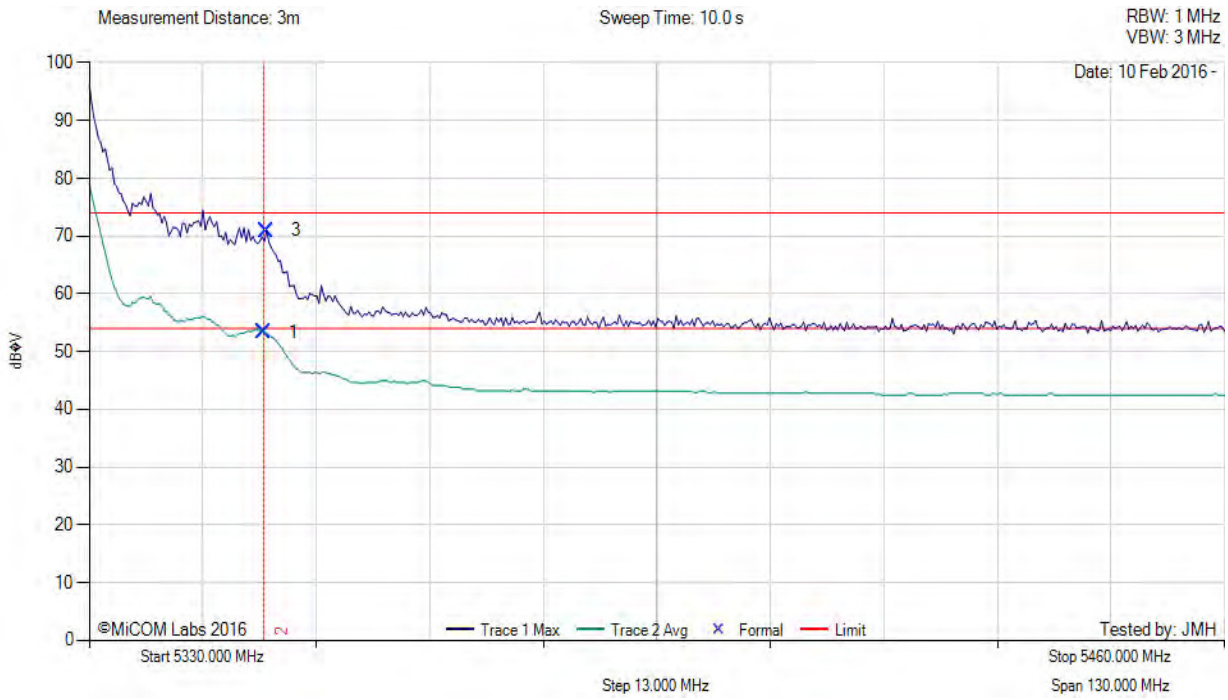
Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5320.00 MHz, Antenna: AP-ANT-45, 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	5350.00	15.18	3.70	34.51	53.39	Max Avg	Horizontal	167	345	54.0	-0.6	Pass
2	5350.00	--	--	--	--	Band-Edge	--	--	--	--	--	--
3	5350.26	32.75	3.70	34.51	70.96	Max Peak	Horizontal	167	345	74.0	-3.0	Pass

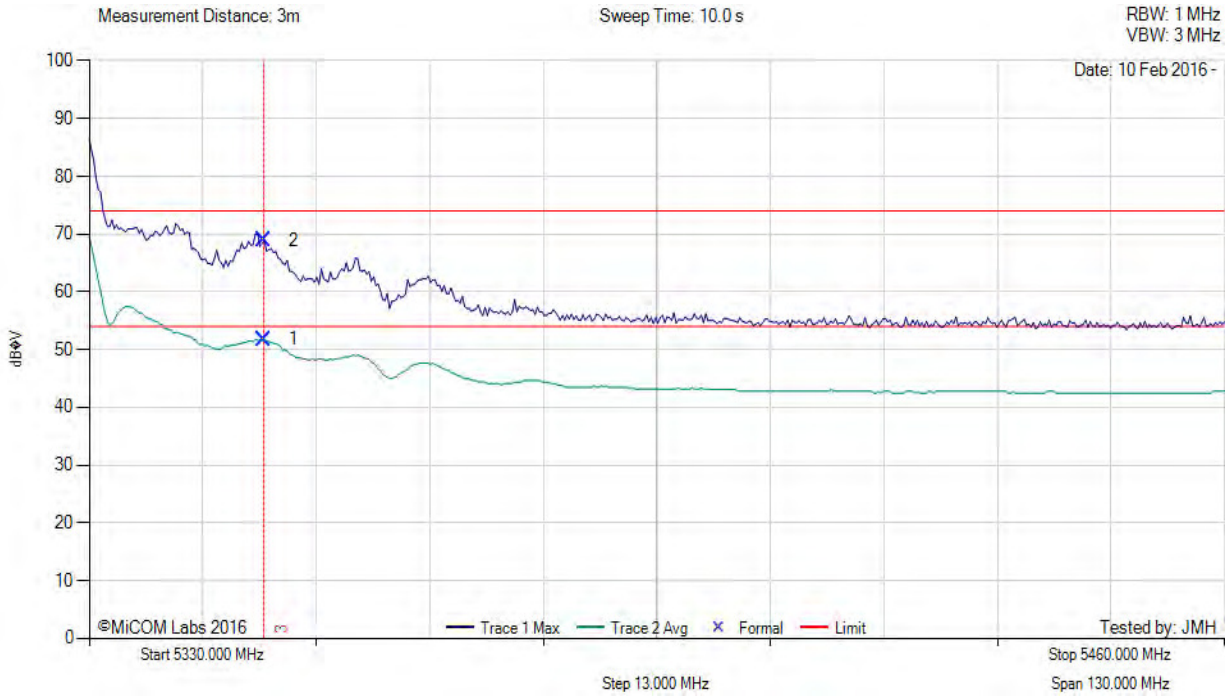
Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5310.00 MHz, Antenna: AP-ANT-45, 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	5350.00	13.53	3.70	34.51	51.74	Max Avg	Horizontal	167	345	54.0	-2.3	Pass
2	5350.00	30.64	3.70	34.51	68.85	Max Peak	Horizontal	167	345	74.0	-5.2	Pass
3	5350.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

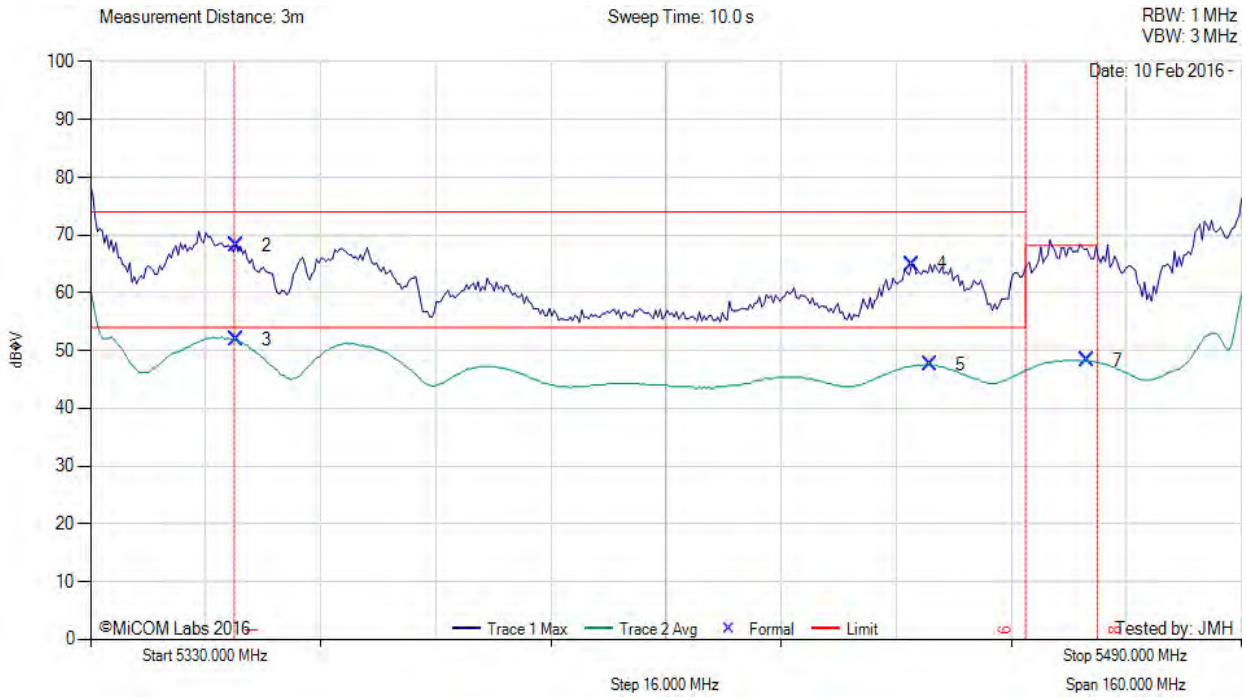
Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5290.00 MHz, Antenna: AP-ANT-45, Power Setting: 13.5, 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	5350.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
2	5350.24	29.99	3.70	34.51	68.20	Max Peak	Horizontal	167	345	74.0	-5.8	Pass
3	5350.32	13.65	3.70	34.51	51.86	Max Avg	Horizontal	167	345	54.0	-2.1	Pass
4	5444.14	26.90	3.77	34.30	64.97	Max Peak	Horizontal	163	22	74.0	-9.0	Pass
5	5446.71	9.49	3.77	34.30	47.56	Max Avg	Horizontal	163	22	54.0	-6.4	Pass
6	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
7	5468.52	10.21	3.79	34.32	48.32	Max Avg	Horizontal	153	30	68.2*	-19.9	Pass
8	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

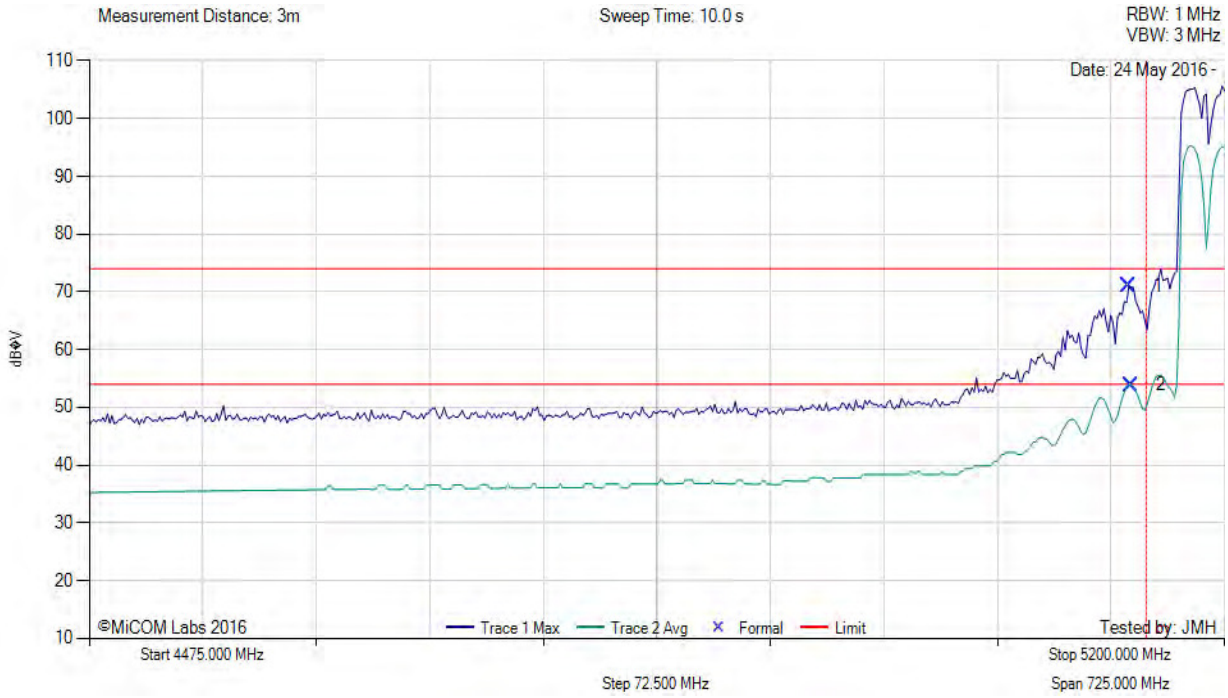
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-160, Test Freq: 5250.00 MHz, Antenna: AP-ANT-45, Power Setting: 13.5, Duty Cycle (%): 91



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5138.73	33.12	3.70	34.12	70.94	Max Peak	Horizontal	151	6	74.0	-3.1	Pass
2	5140.18	16.08	3.70	34.12	53.90	Max Avg	Horizontal	151	6	54.0	-0.1	Pass
3	5150.00	--	--	--	--	Band Edge	--	--	--	--	--	--

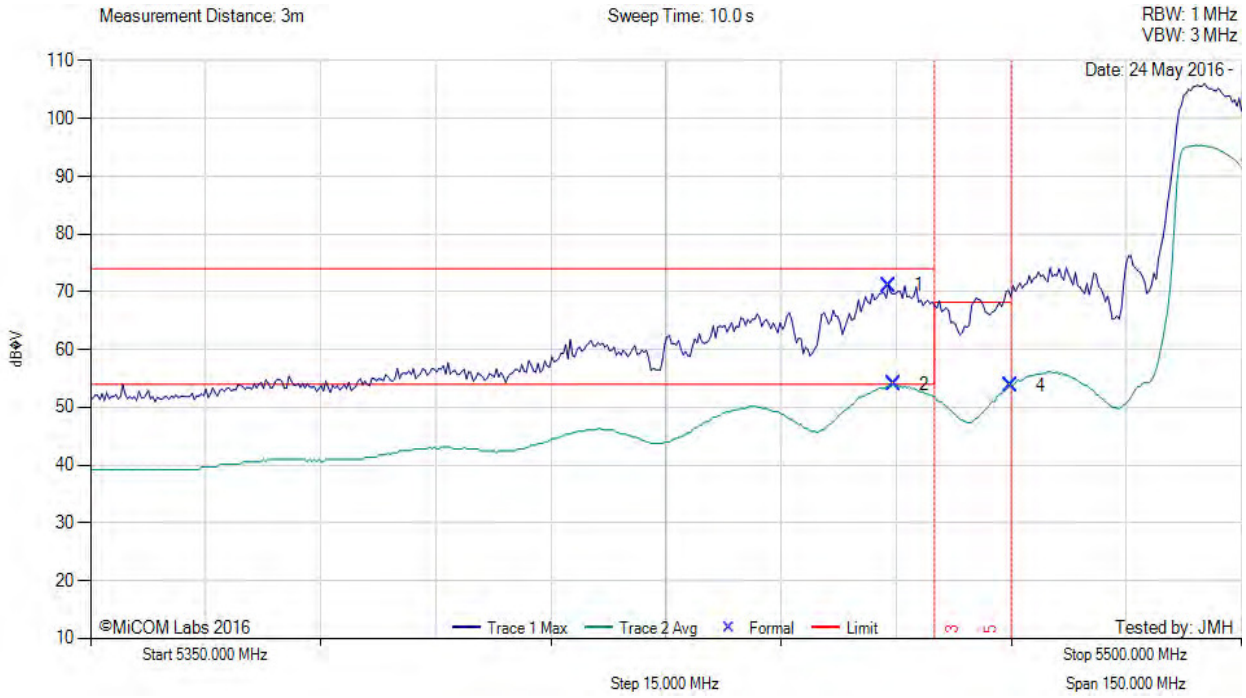
Test Notes: EUT on 150cm table powered by PDSine 9001GR POE. Power reduced to meet Band Edge Limits.

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-160, Test Freq: 5570.00 MHz, Antenna: AP-ANT-45, Power Setting: 14, Duty Cycle (%): 91



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5454.01	33.02	3.79	34.30	71.11	Max Peak	Horizontal	150	6	74.0	-2.9	Pass
2	5454.71	15.87	3.79	34.30	53.96	Max Avg	Horizontal	150	6	54.0	0.0	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5469.94	15.67	3.79	-34.32	53.78	Max Avg	Horizontal	153	30	68.2*	-14.5	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by PDSine 9001GR POE. Power reduced to meet Band Edge Limits.

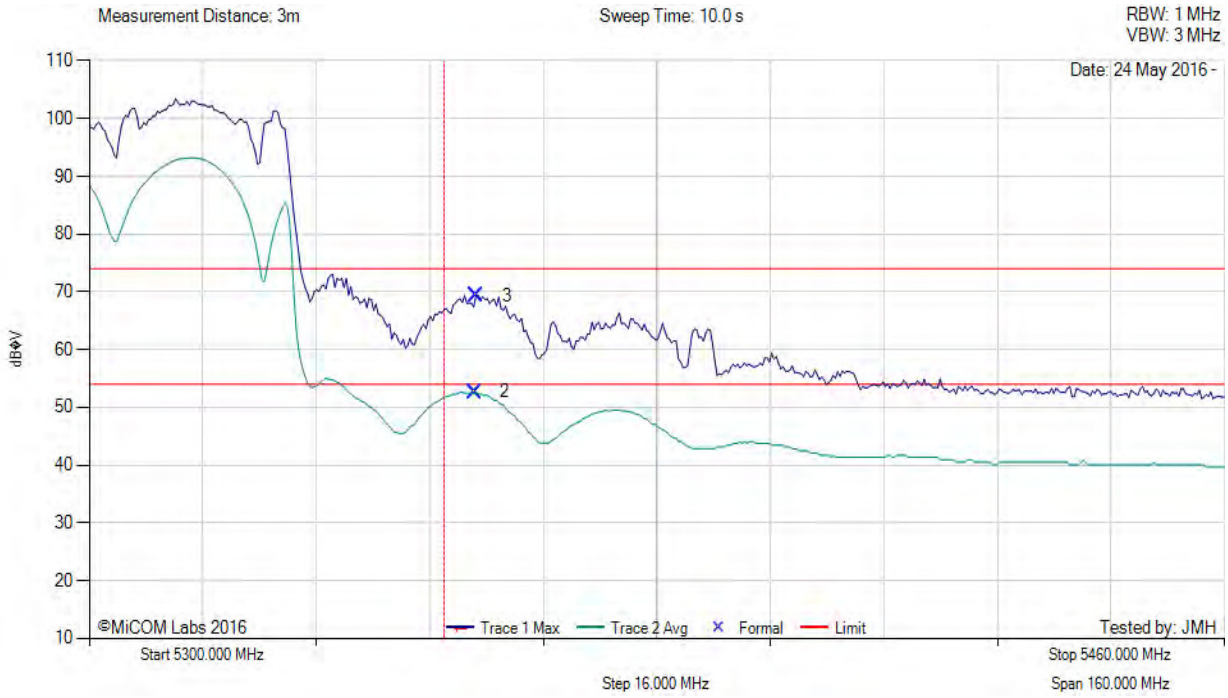
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11ac-160, Test Freq: 5250.00 MHz, Antenna: AP-ANT-45, Power Setting: 13.5, Duty Cycle (%): 91



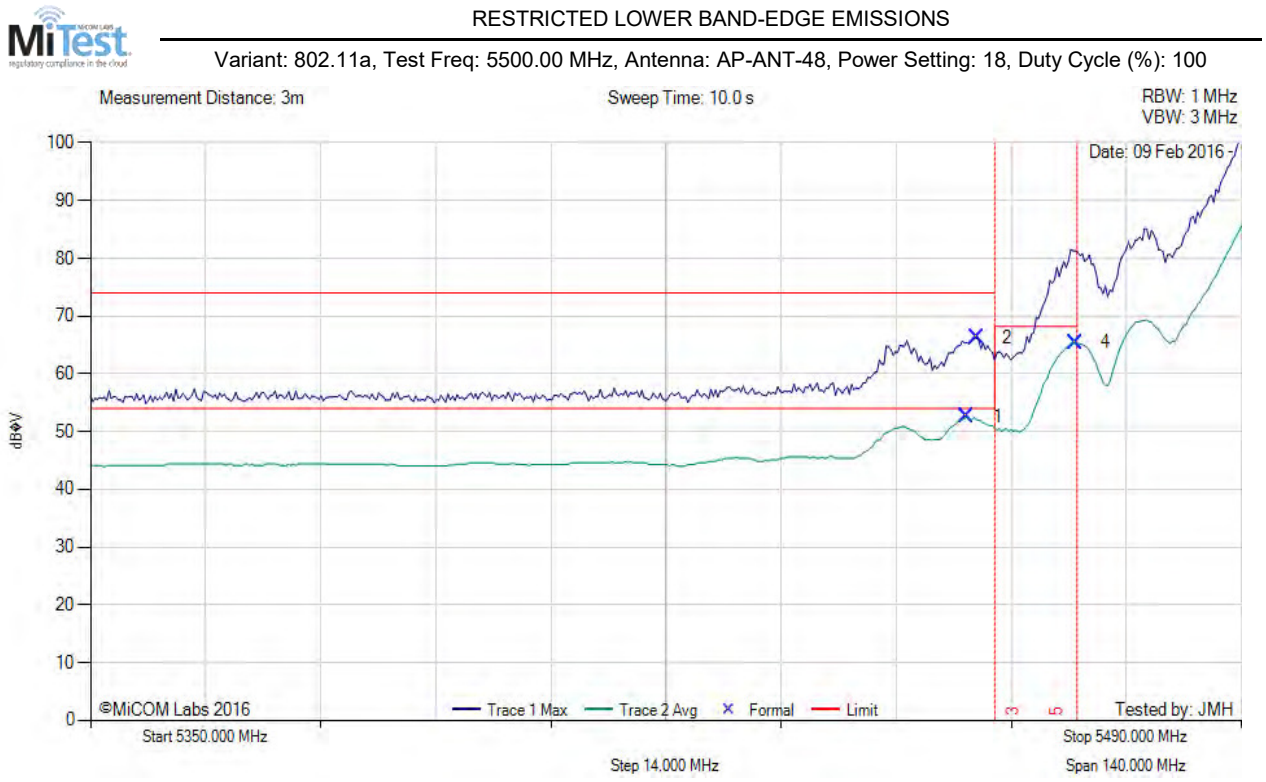
Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
2	5354.35	14.45	3.71	34.50	52.66	Max Avg	Horizontal	151	6	54.0	-1.3	Pass
3	5354.61	31.18	3.71	34.50	69.39	Max Peak	Horizontal	151	6	74.0	-4.6	Pass
1	5350.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by PDSine 9001GR POE. Power reduced to meet Band Edge Limits.

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A.1.2.7. AP-ANT-48



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5456.63	14.46	3.80	34.30	52.56	Max Avg	Horizontal	154	347	54.0	-1.4	Pass
2	5457.76	28.18	3.80	34.30	66.28	Max Peak	Horizontal	154	347	74.0	-7.7	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5469.80	27.31	3.79	34.32	65.42	Max Avg	Horizontal	153	30	68.2*	-2.8	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE, connected to laptop outside chamber

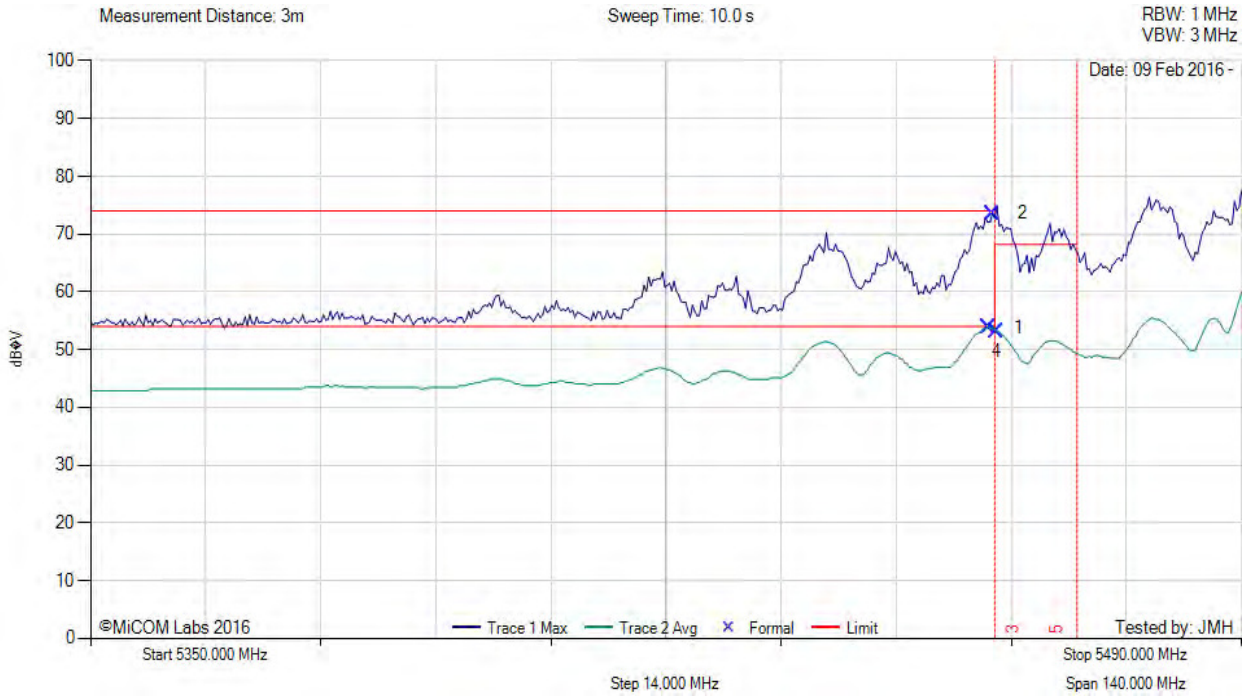
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5530.00 MHz, Antenna: AP-ANT-48, Power Setting: 12, 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	5459.18	15.68	3.79	34.31	53.78	Max Avg	Horizontal	154	347	54.0	-0.2	Pass
2	5459.72	35.47	3.79	34.31	73.57	Max Peak	Horizontal	154	347	74.0	-0.4	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5460.26	15.09	3.79	34.31	53.19	Max Avg	Horizontal	153	30	68.2*	-15.0	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE, connected to laptop outside chamber

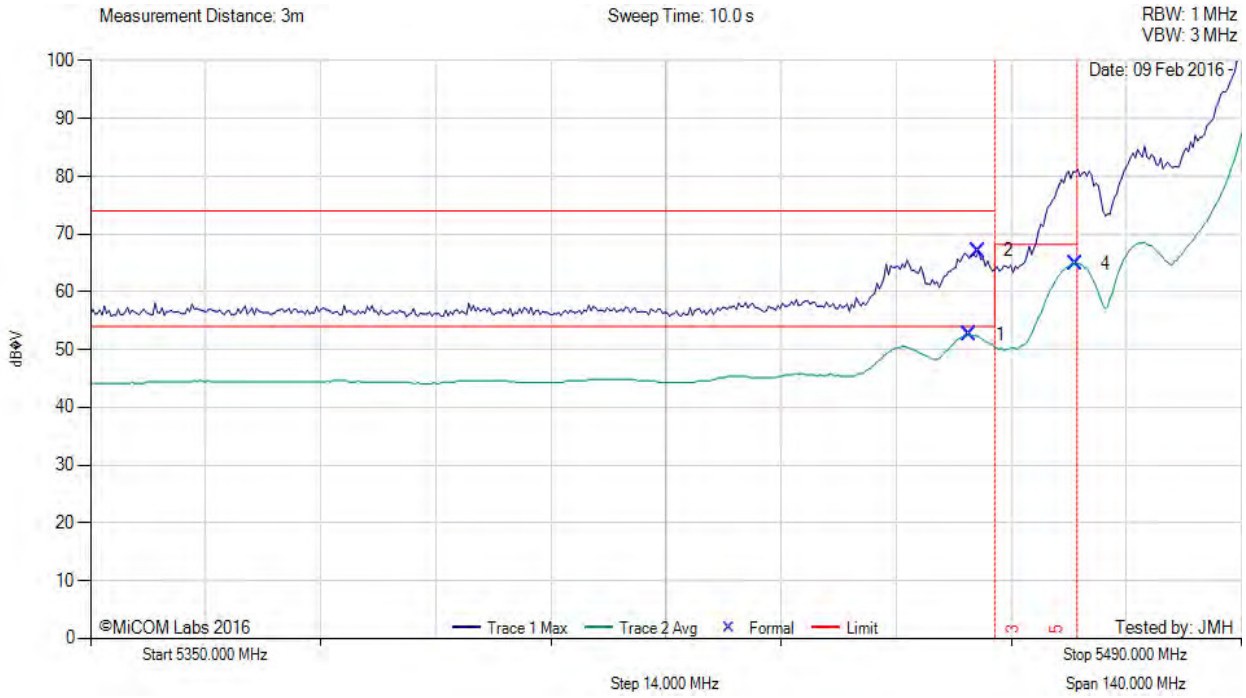
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5500.00 MHz, Antenna: AP-ANT-48, 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	5456.93	14.47	3.80	34.30	52.57	Max Avg	Horizontal	154	347	54.0	-1.4	Pass
2	5457.92	28.99	3.80	34.30	67.09	Max Peak	Horizontal	154	347	74.0	-6.9	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5469.80	26.79	3.79	34.32	64.90	Max Avg	Horizontal	153	30	68.2*	-3.3	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE, connected to laptop outside chamber

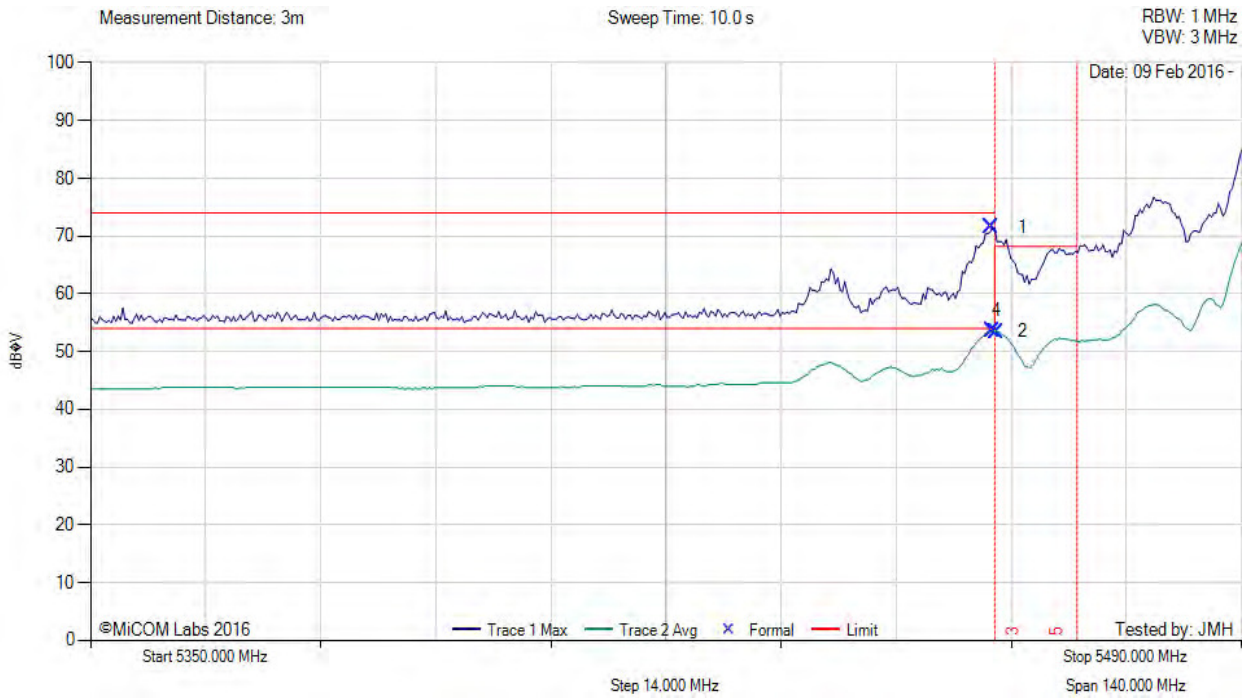
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5510.00 MHz, Antenna: AP-ANT-48, Power Setting: 15, 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	5459.60	33.37	3.79	34.31	71.47	Max Peak	Horizontal	154	347	74.0	-2.5	Pass
2	5459.74	15.49	3.79	34.31	53.59	Max Avg	Horizontal	154	347	54.0	-0.4	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5460.26	15.39	3.79	34.31	53.49	Max Avg	Horizontal	153	30	68.2*	-14.7	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE, connected to laptop outside chamber

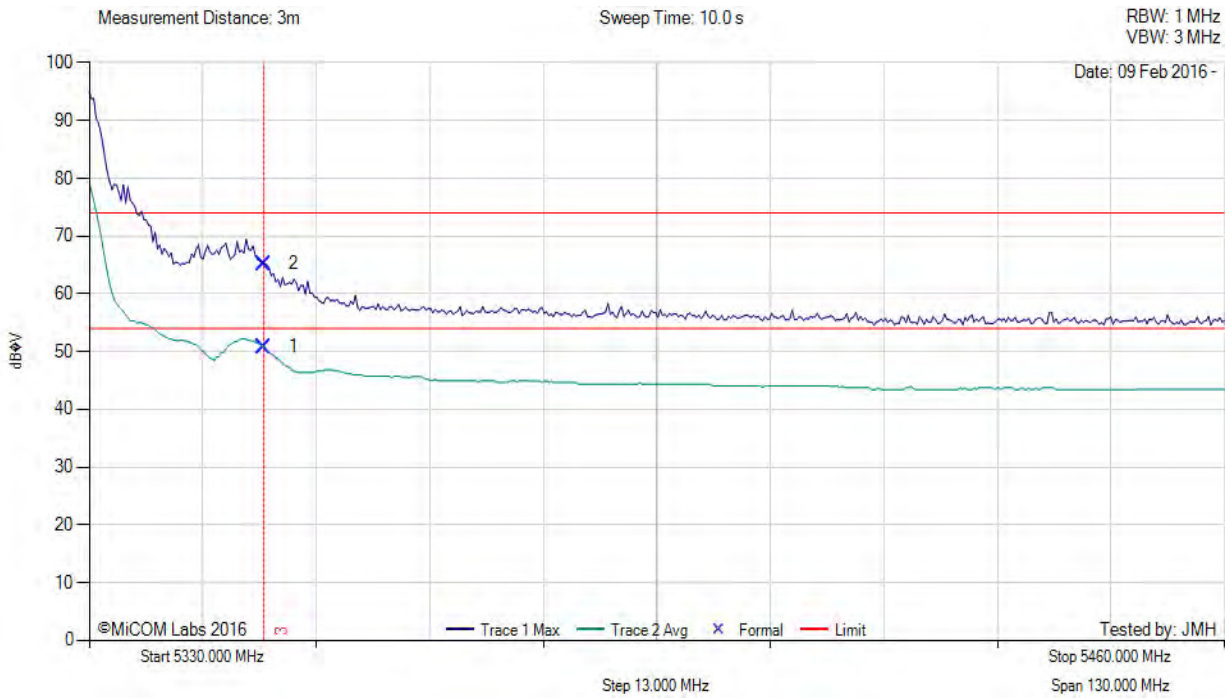
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5320.00 MHz, Antenna: AP-ANT-48, 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	5350.00	12.64	3.70	34.51	50.85	Max Avg	Horizontal	152	346	54.0	-3.2	Pass
2	5350.00	26.99	3.70	34.51	65.20	Max Peak	Horizontal	152	346	74.0	-8.8	Pass
3	5350.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

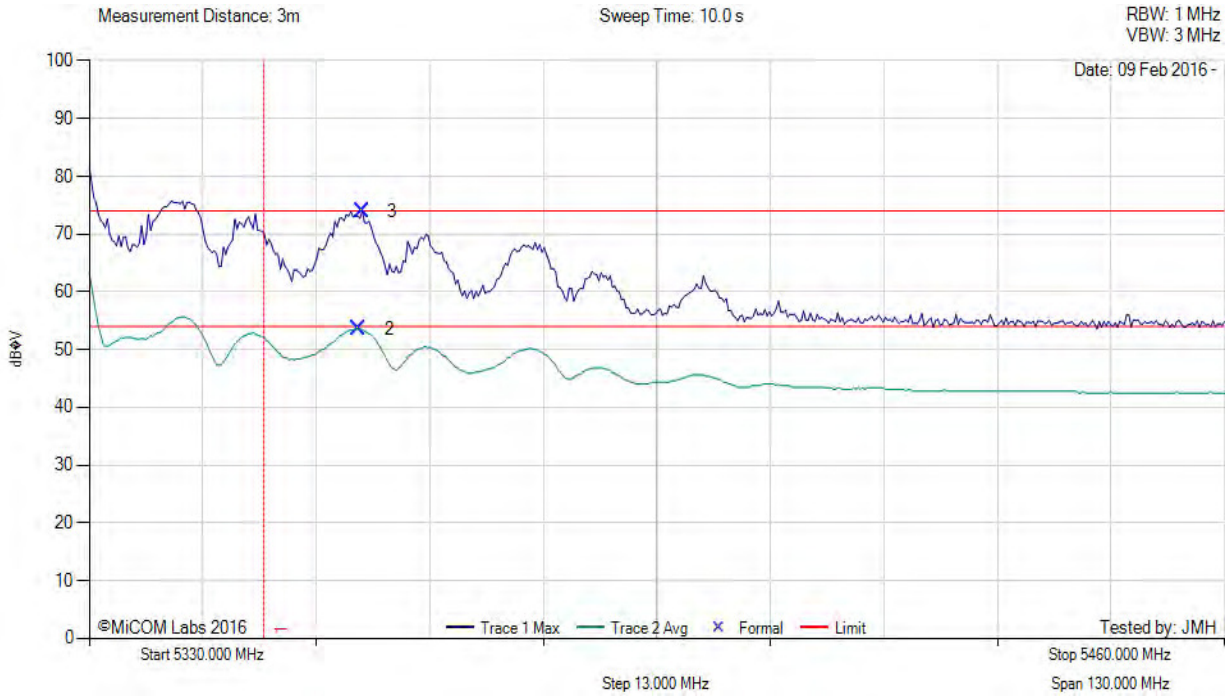
Test Notes: EUT on 150cm table powered by POE, connected to laptop outside chamber

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5290.00 MHz, Antenna: AP-ANT-48, Power Setting: 11.5, 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	5350.00	--	--	--	--	Band-Edge	--	--	--	--	--	--
2	5360.90	15.40	3.70	34.48	53.58	Max Avg	Horizontal	152	346	54.0	-0.4	Pass
3	5361.30	35.79	3.70	34.48	73.97	Max Peak	Horizontal	152	346	74.0	0.0	Pass

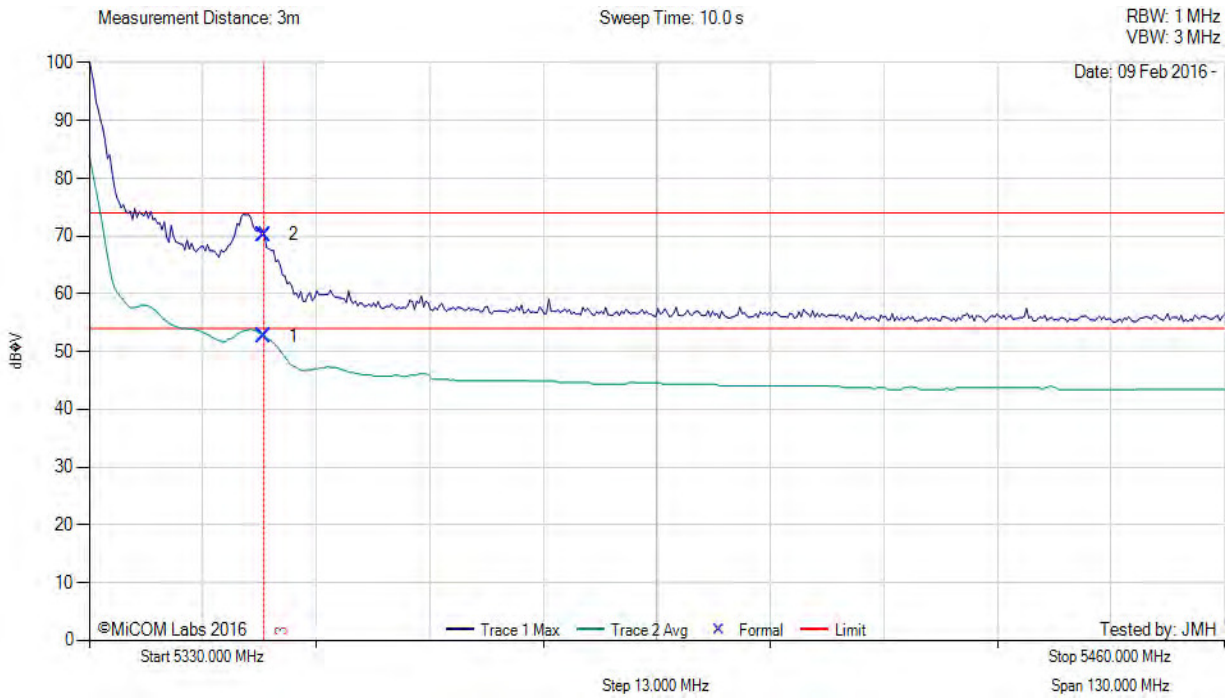
Test Notes: EUT on 150cm table powered by POE, connected to laptop outside chamber

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5320.00 MHz, Antenna: AP-ANT-48, Power Setting: 16, 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	5350.00	14.45	3.70	34.51	52.66	Max Avg	Horizontal	152	346	54.0	-1.3	Pass
2	5350.00	31.99	3.70	34.51	70.20	Max Peak	Horizontal	152	346	74.0	-3.8	Pass
3	5350.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

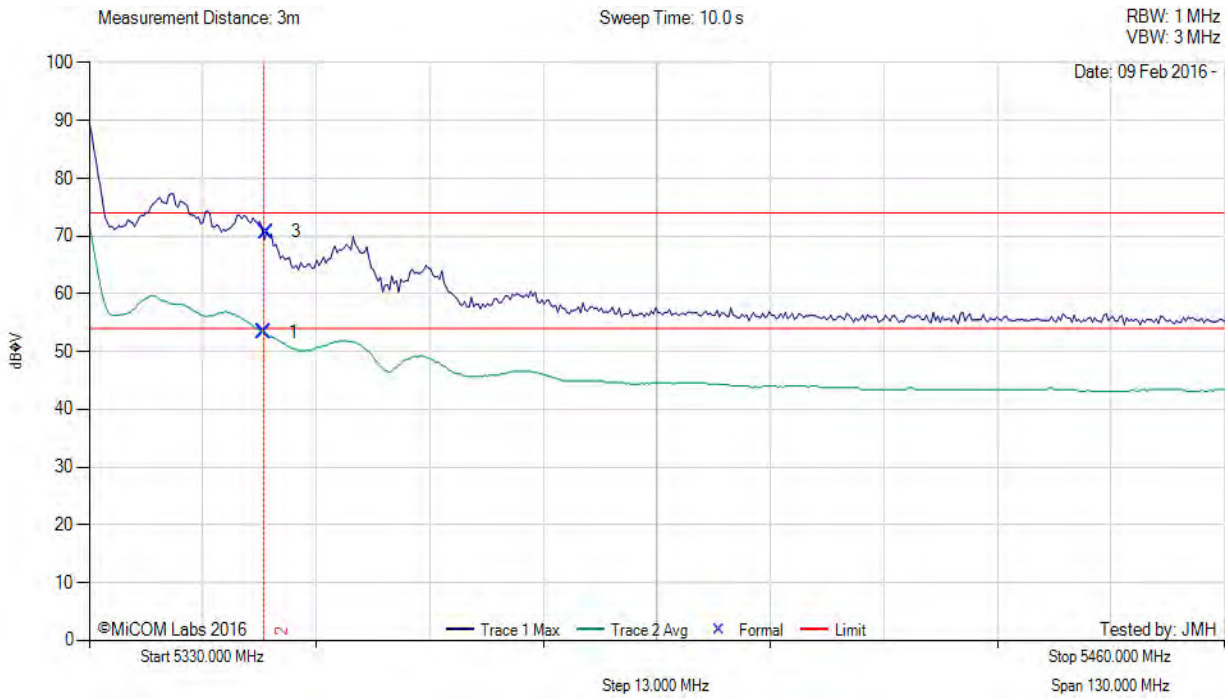
Test Notes: EUT on 150cm table powered by POE, connected to laptop outside chamber

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5310.00 MHz, Antenna: AP-ANT-48, Power Setting: 15, 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	5350.00	15.18	3.70	34.51	53.39	Max Avg	Horizontal	152	346	54.0	-0.6	Pass
3	5350.26	32.51	3.70	34.51	70.72	Max Peak	Horizontal	152	346	74.0	-3.3	Pass
2	5350.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

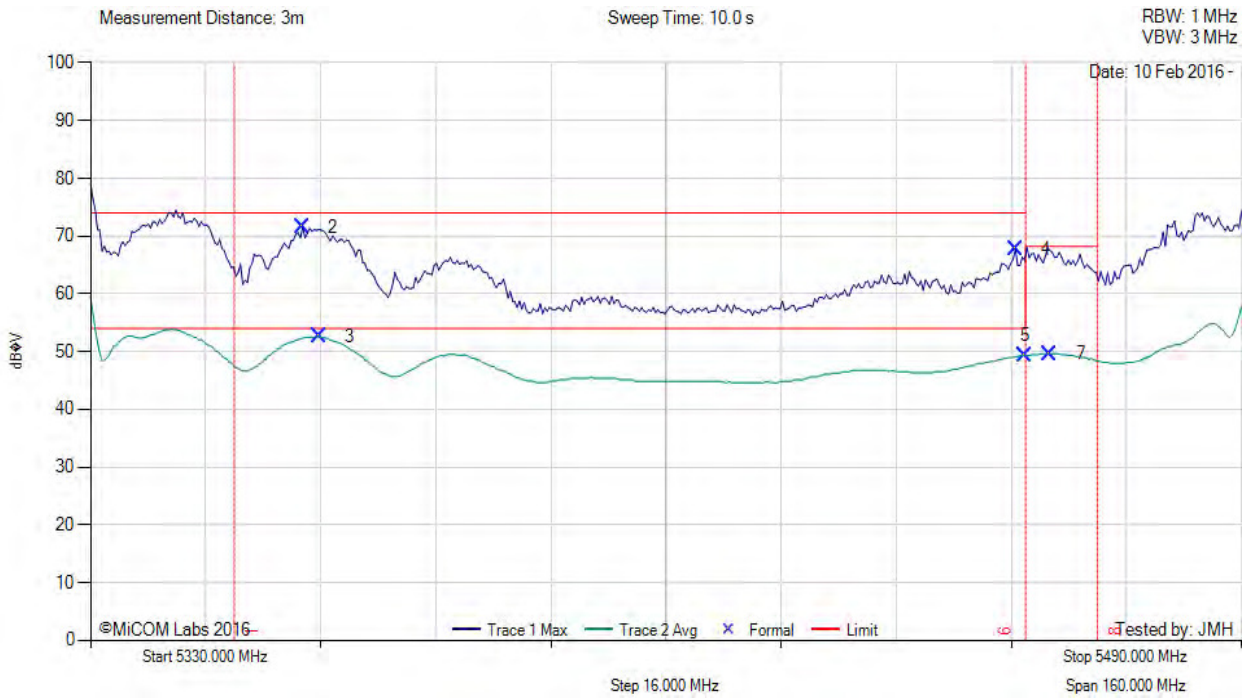
Test Notes: EUT on 150cm table powered by POE, connected to laptop outside chamber

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5290.00 MHz, Antenna: AP-ANT-48, Power Setting: 12, 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	5350.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
2	5359.50	33.37	3.71	34.49	71.57	Max Peak	Horizontal	147	346	74.0	-2.4	Pass
3	5361.76	14.48	3.70	34.48	52.66	Max Avg	Horizontal	147	346	54.0	-1.3	Pass
4	5458.58	29.60	3.79	34.31	67.70	Max Peak	Horizontal	154	347	74.0	-6.3	Pass
5	5459.86	11.21	3.79	34.31	49.31	Max Avg	Horizontal	154	347	54.0	-4.7	Pass
6	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
7	5463.39	11.74	3.79	34.31	49.63	Max Avg	Horizontal	153	30	68.2*	-18.6	Pass
8	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

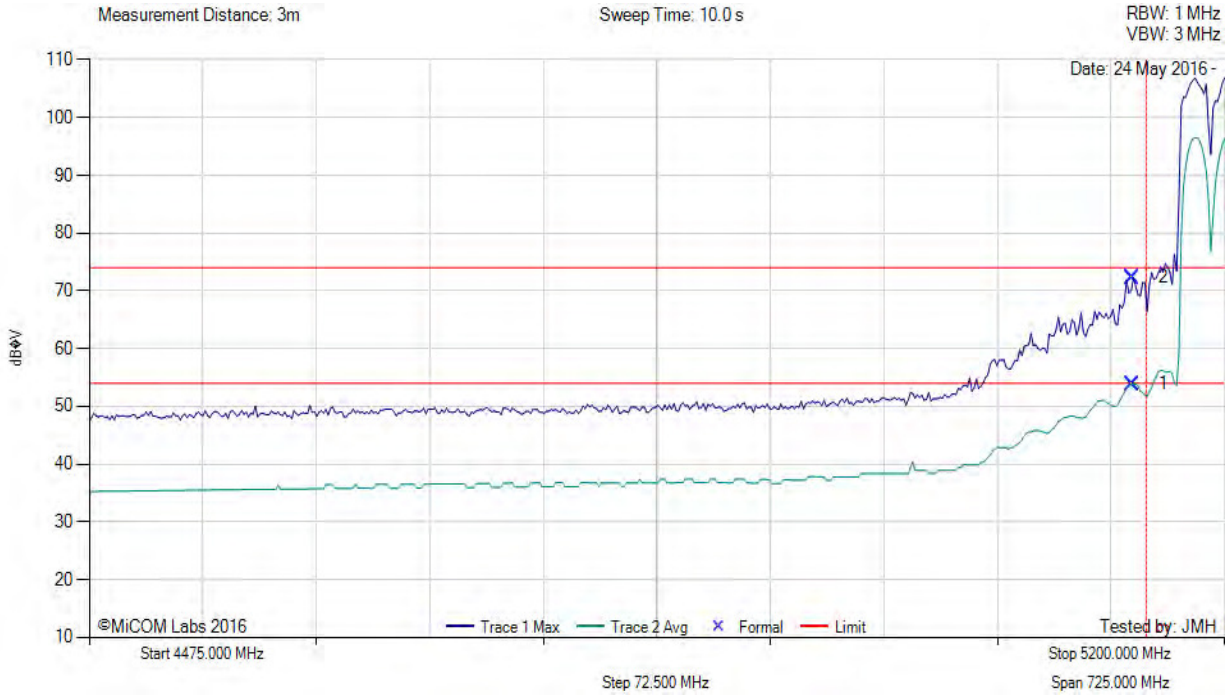
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-160, Test Freq: 5250.00 MHz, Antenna: AP-ANT-48, Power Setting: 12.5, Duty Cycle (%): 91



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5141.58	16.08	3.70	34.12	53.90	Max Avg	Horizontal	182	-6	54.0	-0.1	Pass
2	5141.58	34.47	3.70	34.12	72.29	Max Peak	Horizontal	182	-6	74.0	-1.7	Pass
3	5150.00	--	--	--	--	Band Edge	--	--	--	--	--	--

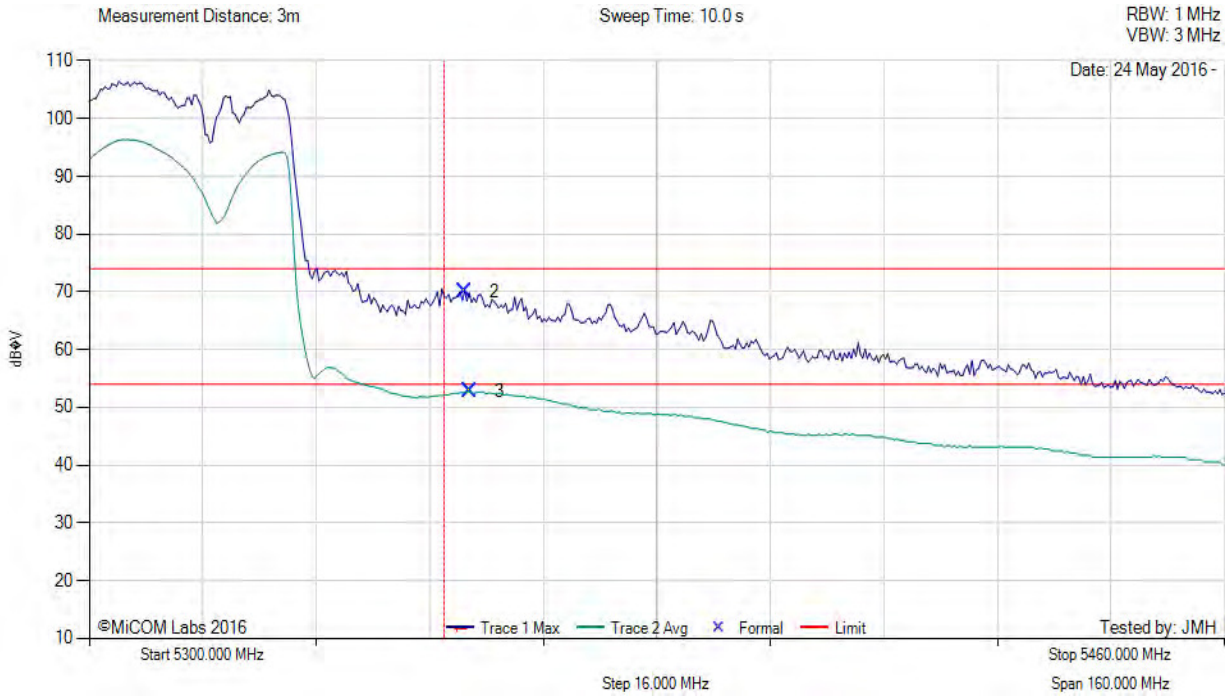
Test Notes: EUT on 150cm table powered by PDSine 9001GR POE. Power reduced to meet Band Edge Limits.

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11ac-160, Test Freq: 5250.00 MHz, Antenna: AP-ANT-48, Power Setting: 12.5, Duty Cycle (%): 91



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5350.00	--	--	--	--	Band Edge	--	--	--	--	--	--
2	5352.87	31.89	3.71	34.50	70.10	Max Peak	Horizontal	182	-6	74.0	-3.9	Pass
3	5353.65	14.55	3.71	34.50	52.76	Max Avg	Horizontal	182	-6	54.0	-1.2	Pass

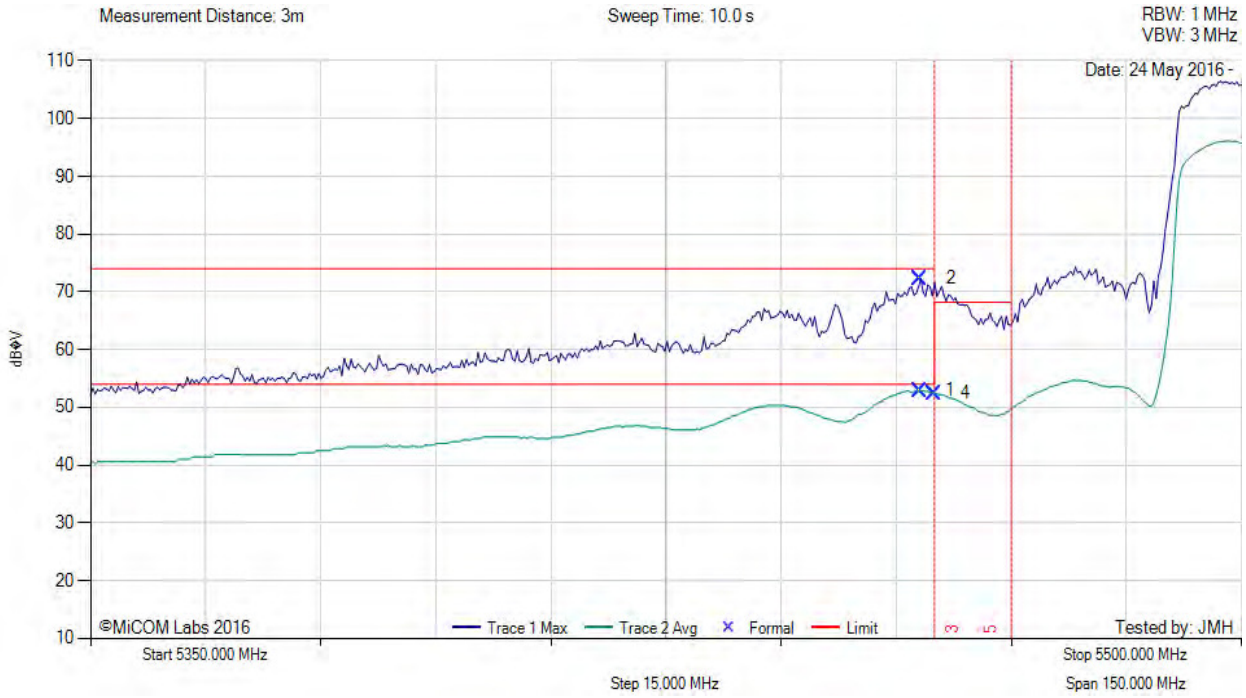
Test Notes: EUT on 150cm table powered by PDSine 9001GR POE. Power reduced to meet Band Edge Limits.

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-160, Test Freq: 5570.00 MHz, Antenna: AP-ANT-48, Power Setting: 13, Duty Cycle (%): 91



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5458.10	14.79	3.80	34.30	52.89	Max Avg	Horizontal	153	-7	54.0	-1.1	Pass
2	5458.14	34.18	3.80	34.30	72.28	Max Peak	Horizontal	153	-7	74.0	-1.7	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5460.02	14.36	3.79	34.31	52.46	Max Avg	Horizontal	153	30	68.2*	-15.8	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

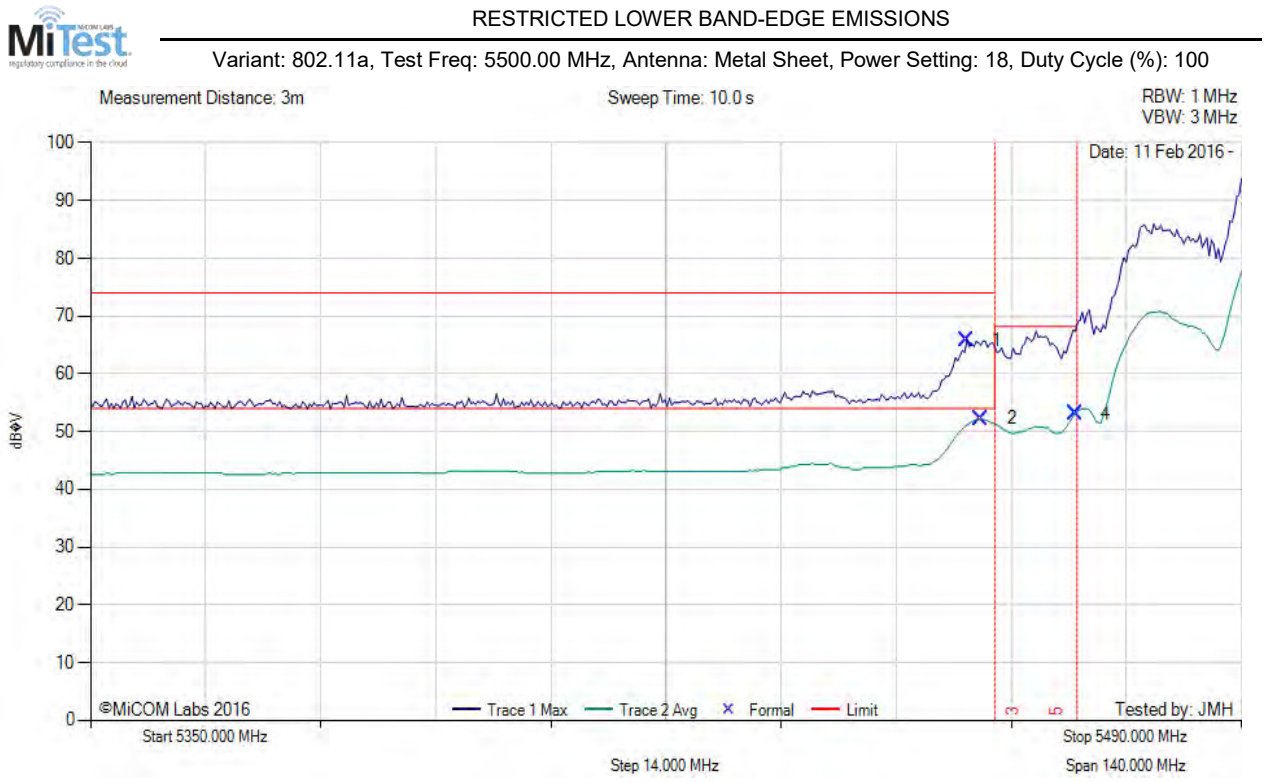
Test Notes: EUT on 150cm table powered by PDSine 9001GR POE. Power reduced to meet Band Edge Limits.

*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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A.1.2.8. Metal Sheet



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5456.51	27.67	3.80	34.30	65.77	Max Peak	Vertical	179	45	74.0	-8.2	Pass
2	5458.34	14.13	3.80	34.30	52.23	Max Avg	Vertical	179	45	54.0	-1.8	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5469.80	14.99	3.79	34.32	53.10	Max Avg	Horizontal	153	30	68.2*	-15.1	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

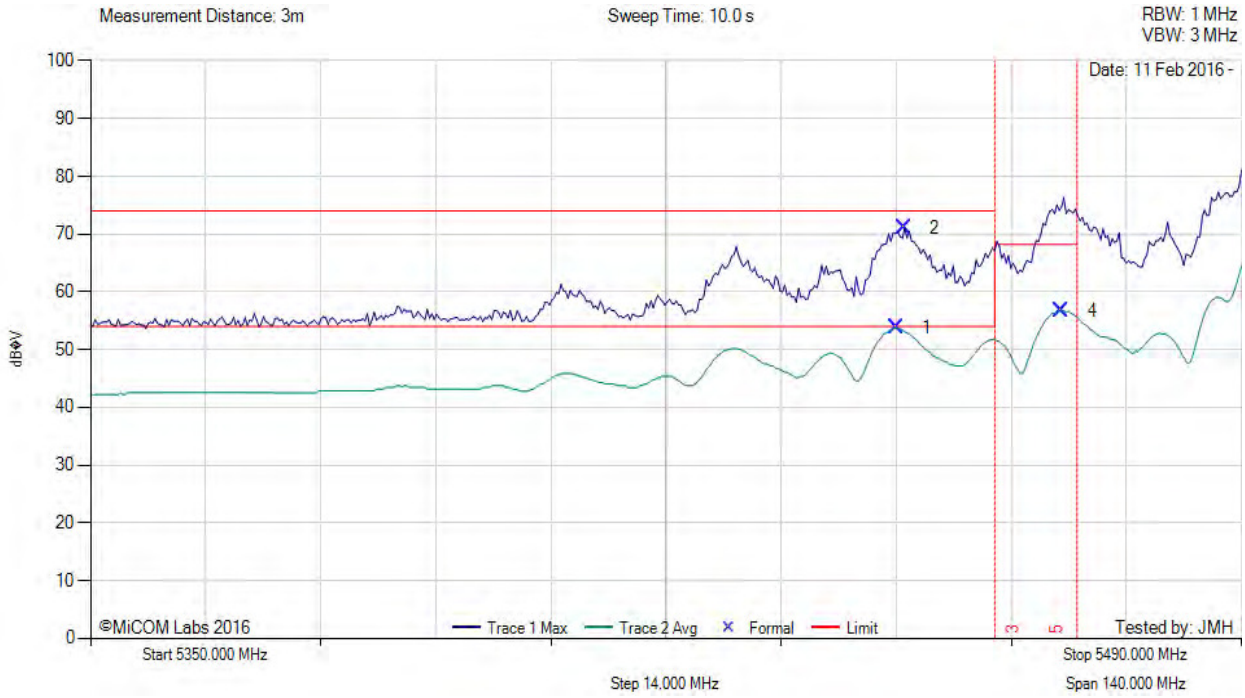
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5530.00 MHz, Antenna: 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	5447.96	15.70	3.77	34.30	53.77	Max Avg	Vertical	179	45	54.0	-0.2	Pass
2	5448.94	32.96	3.77	34.30	71.03	Max Peak	Vertical	179	45	74.0	-3.0	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5468.12	18.61	3.79	34.32	56.72	Max Avg	Horizontal	153	30	68.2*	-11.5	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

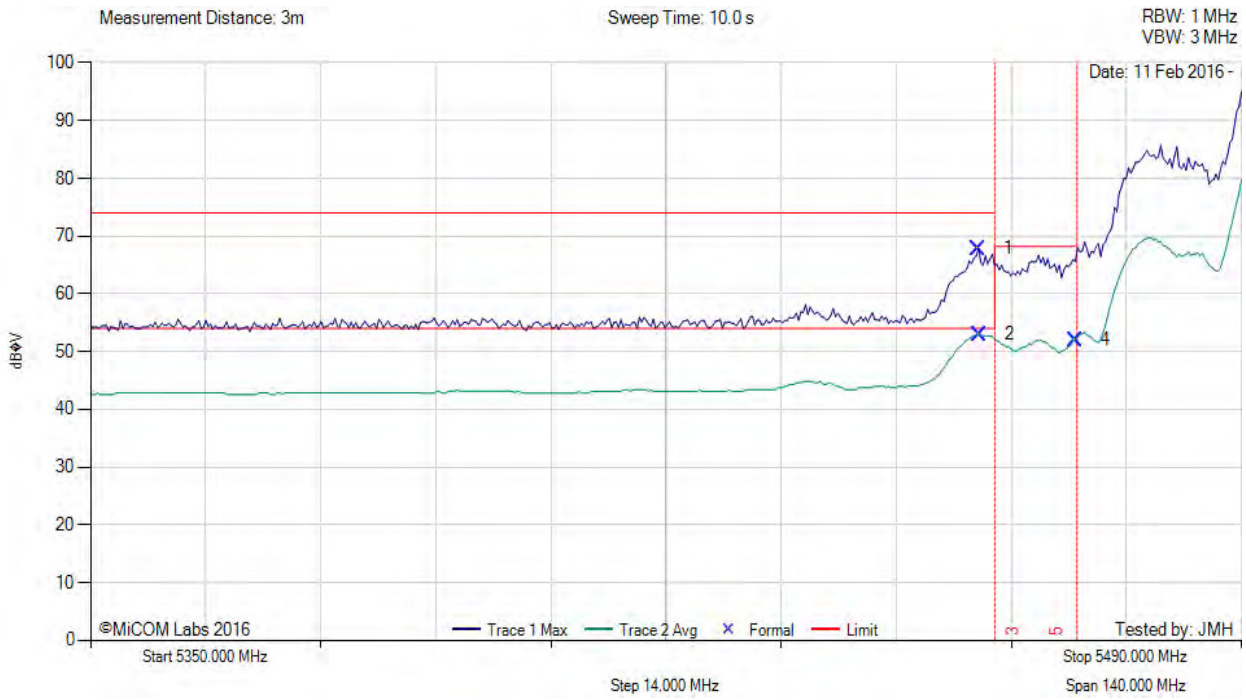
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5500.00 MHz, Antenna: Metal Sheet, 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	5457.92	29.77	3.80	34.30	67.87	Max Peak	Vertical	179	45	74.0	-6.1	Pass
2	5458.06	14.89	3.80	34.30	52.99	Max Avg	Vertical	179	45	54.0	-1.0	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5469.79	13.90	3.79	34.32	52.01	Max Avg	Horizontal	153	30	68.2*	-16.2	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

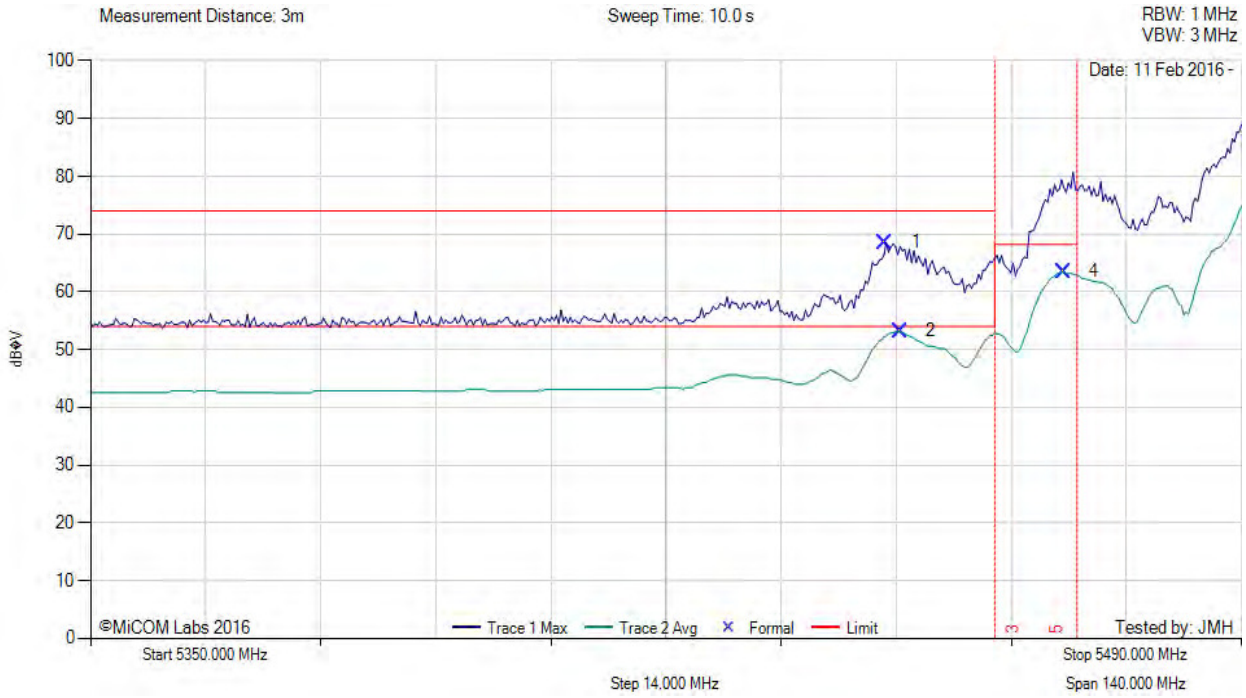
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5510.00 MHz, Antenna: Metal Sheet, 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	5446.69	30.45	3.76	34.30	68.51	Max Peak	Vertical	179	45	74.0	-5.5	Pass
2	5448.52	15.12	3.77	34.30	53.19	Max Avg	Vertical	179	45	54.0	-0.8	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5468.40	25.44	3.79	34.32	63.55	Max Avg	Horizontal	153	30	68.2*	-4.7	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

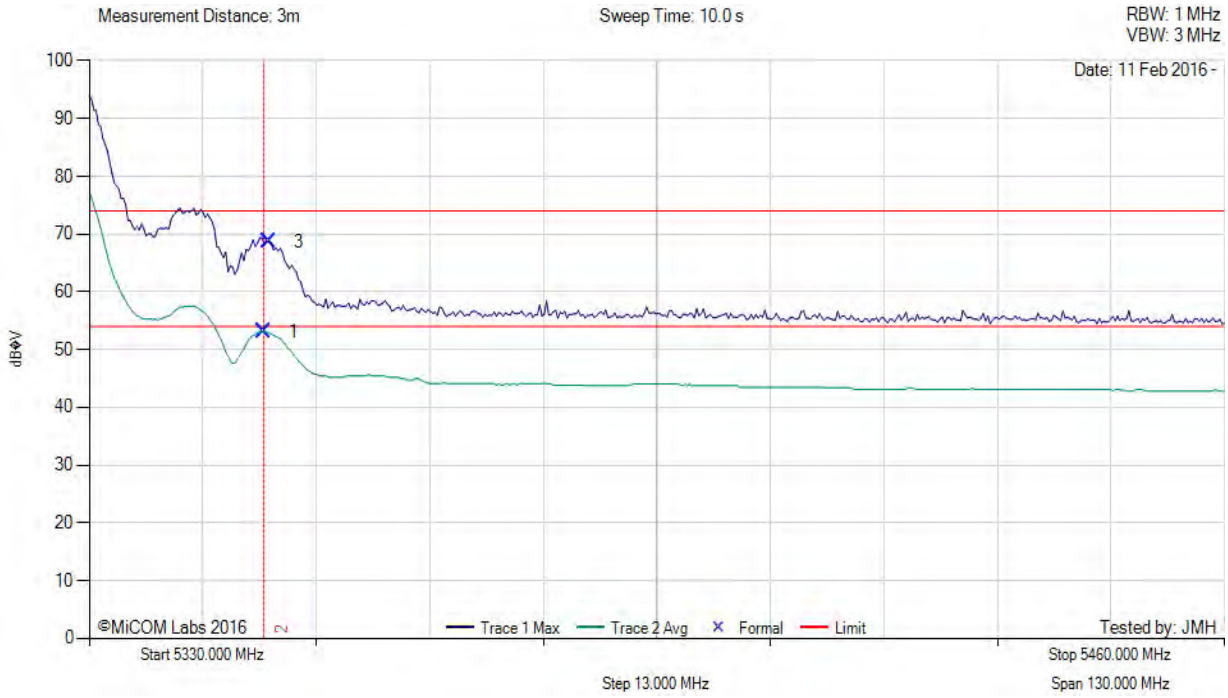
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5320.00 MHz, Antenna: Metal Sheet, 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	5350.00	14.87	3.70	34.51	53.08	Max Avg	Vertical	180	324	54.0	-0.9	Pass
2	5350.00	--	--	--	--	Band-Edge	--	--	--	--	--	--
3	5350.52	30.46	3.71	34.51	68.68	Max Peak	Vertical	180	324	74.0	-5.3	Pass

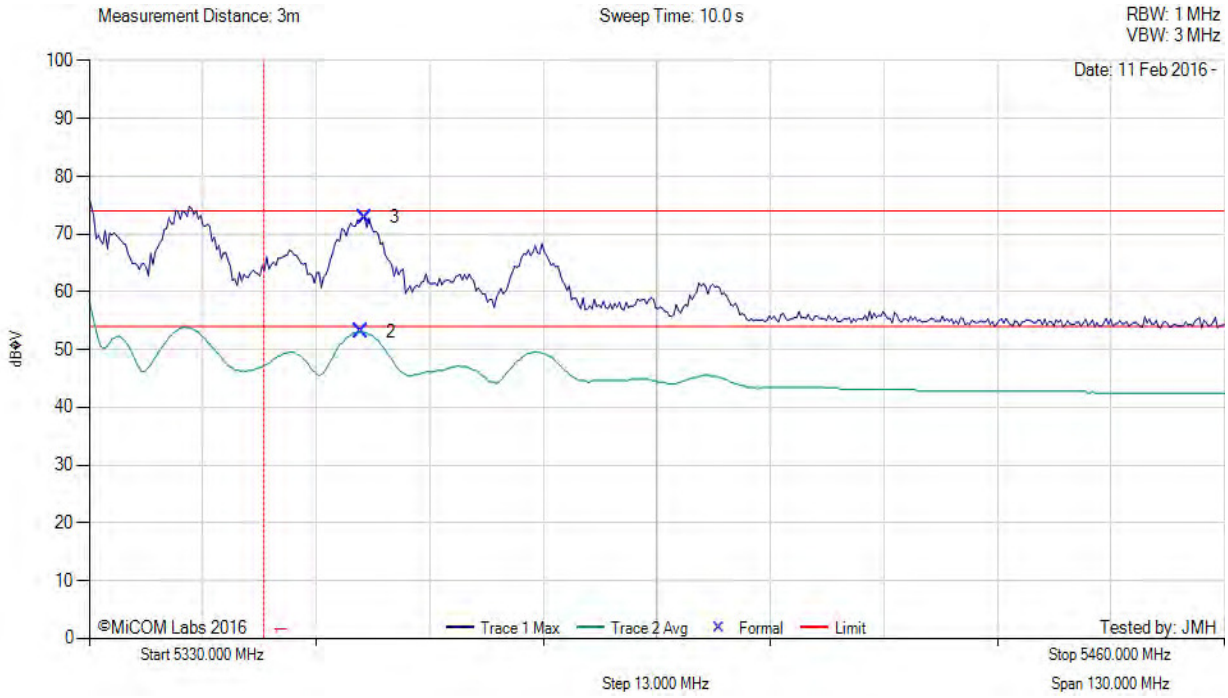
Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5290.00 MHz, Antenna: Metal Sheet, Power Setting: 11.5, 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	5350.00	--	--	--	--	Band-Edge	--	--	--	--	--	--
2	5361.16	14.90	3.70	34.48	53.08	Max Avg	Vertical	180	324	54.0	-0.9	Pass
3	5361.56	34.70	3.70	34.48	72.88	Max Peak	Vertical	180	324	74.0	-1.1	Pass

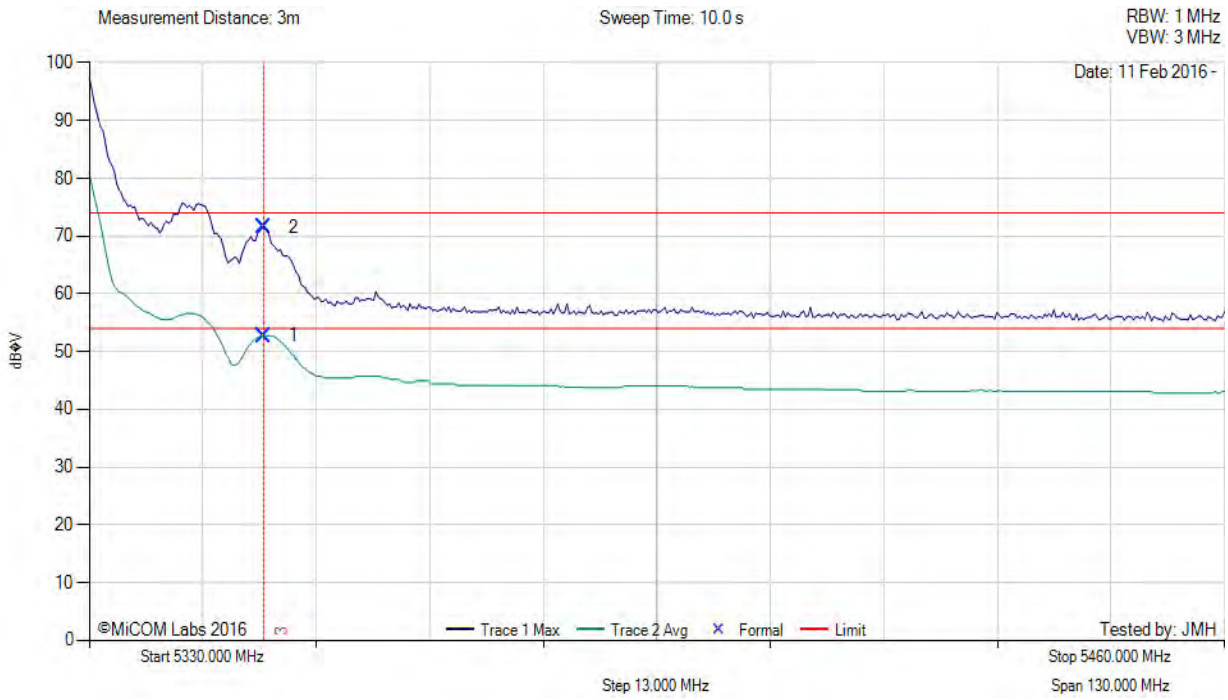
Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5320.00 MHz, Antenna: Metal Sheet, 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	5350.00	14.55	3.70	34.51	52.76	Max Avg	Vertical	180	324	54.0	-1.2	Pass
2	5350.00	33.41	3.70	34.51	71.62	Max Peak	Vertical	180	324	74.0	-2.4	Pass
3	5350.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

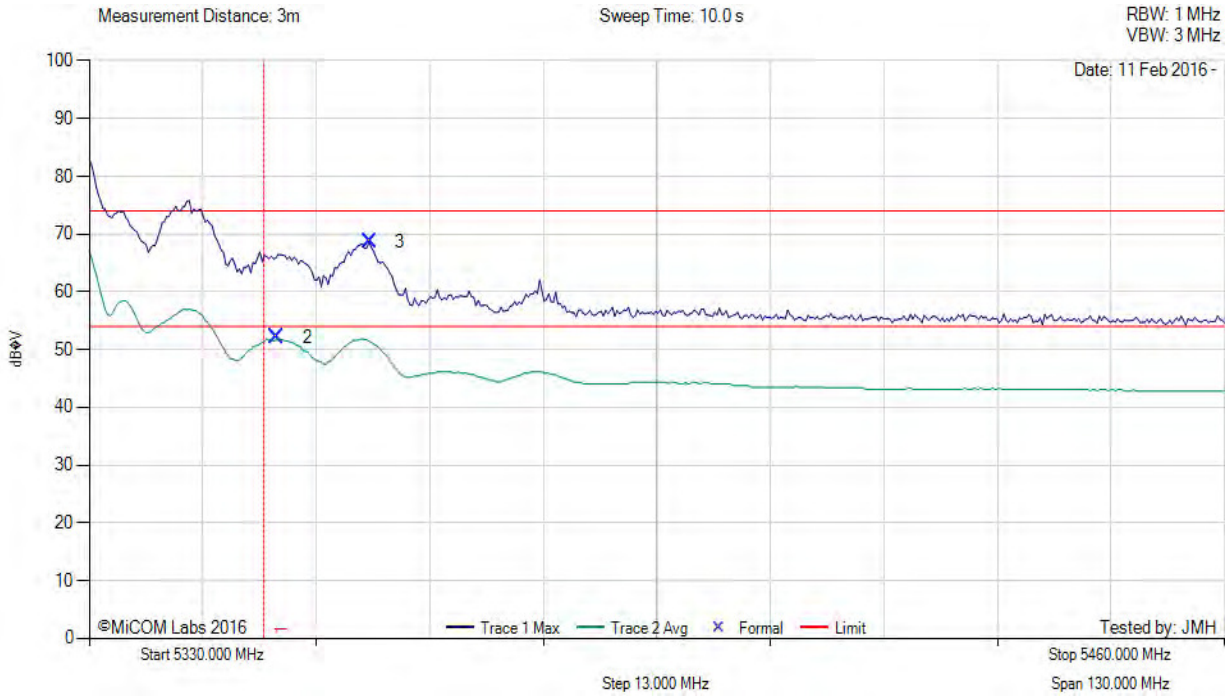
Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5310.00 MHz, Antenna: Metal Sheet, 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	5350.00	--	--	--	--	Band-Edge	--	--	--	--	--	--
2	5351.52	13.88	3.71	34.51	52.10	Max Avg	Vertical	180	324	54.0	-1.9	Pass
3	5362.08	30.44	3.70	34.48	68.62	Max Peak	Vertical	180	324	74.0	-5.4	Pass

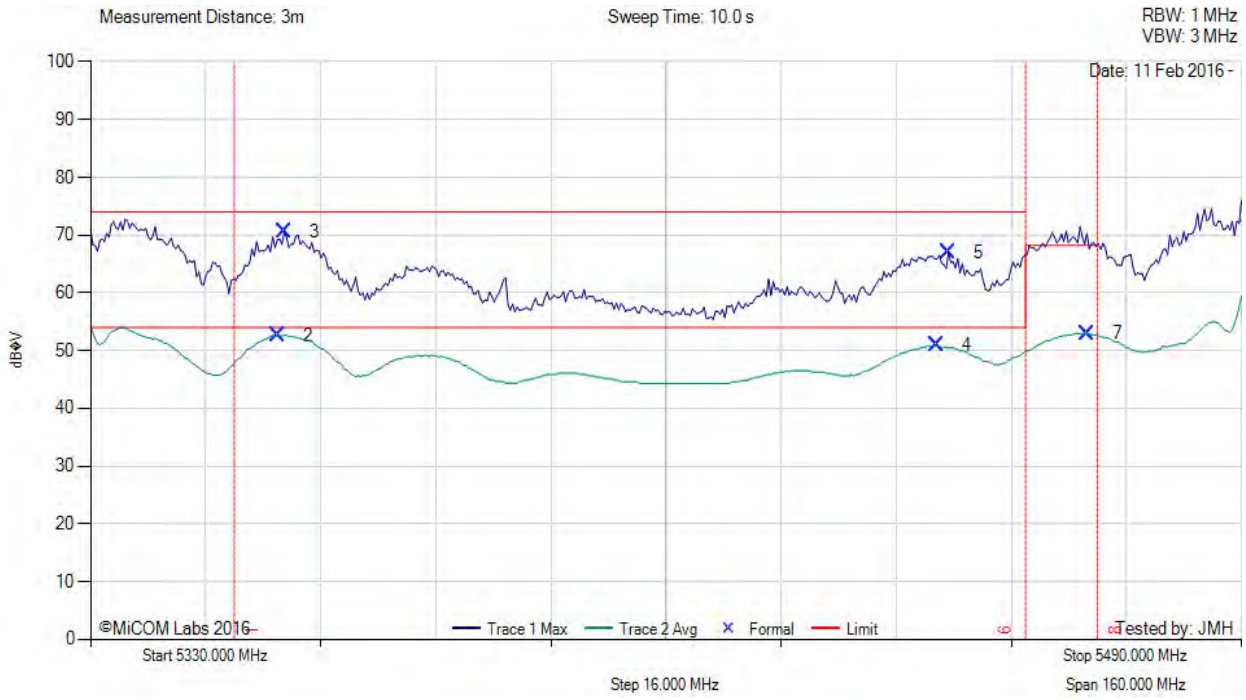
Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5290.00 MHz, Antenna: Metal Sheet, Power Setting: 13, 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	5350.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
2	5355.99	14.45	3.71	34.50	52.66	Max Avg	Vertical	180	324	54.0	-1.3	Pass
3	5356.97	32.37	3.71	34.49	70.57	Max Peak	Vertical	180	324	74.0	-3.4	Pass
4	5447.68	13.82	3.77	34.30	50.89	Max Avg	Vertical	179	45	54.0	-3.1	Pass
5	5449.28	29.95	3.77	34.30	67.02	Max Peak	Vertical	179	45	74.0	-7.0	Pass
6	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
7	5468.52	27.72	3.79	34.32	53.00	Max Avg	Horizontal	153	30	68.2*	-15.2	Pass
8	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by POE. Connected to Laptop outside chamber

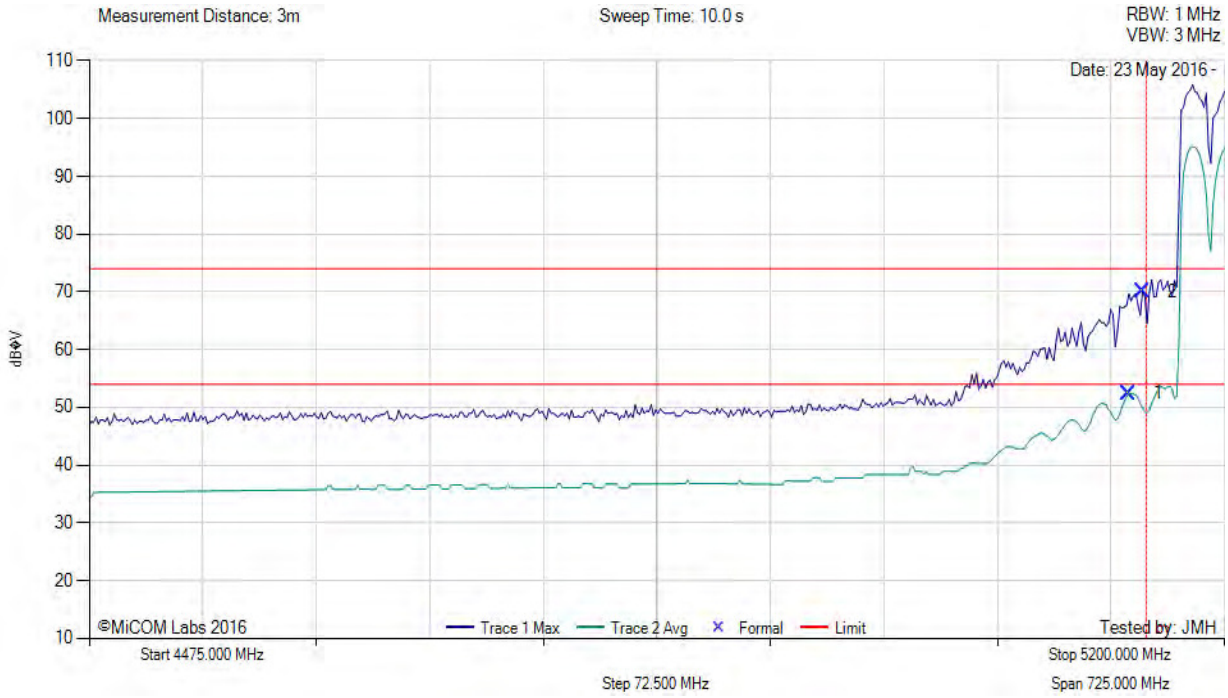
*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-160, Test Freq: 5250.00 MHz, Antenna: Metal Sheet, Power Setting: 13.5, Duty Cycle (%): 91



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5138.68	14.60	3.70	34.12	52.42	Max Avg	Horizontal	152	63	54.0	-1.6	Pass
2	5147.39	32.26	3.68	34.11	70.05	Max Peak	Horizontal	152	63	74.0	-4.0	Pass
3	5150.00	--	--	--	--	Band Edge	--	--	--	--	--	--

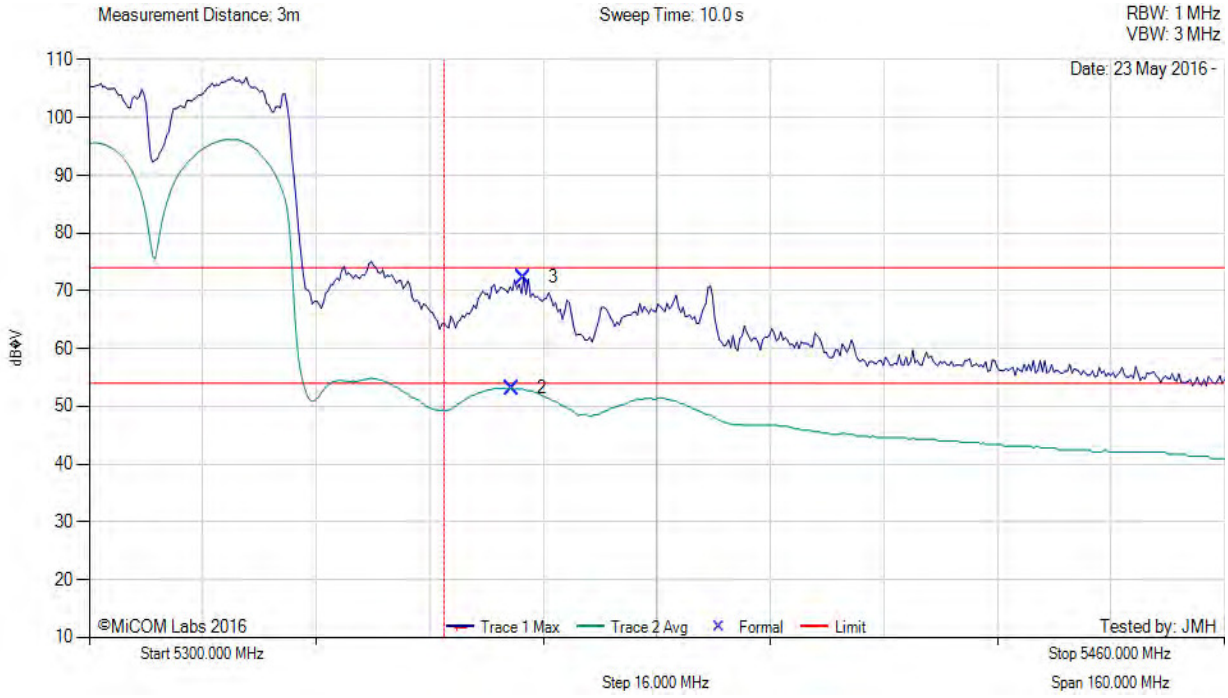
Test Notes: EUT on 150cm table powered by PDSine 9001GR POE. Power reduced to meet Band Edge Limits.

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RESTRICTED UPPER BAND-EDGE EMISSIONS

Variant: 802.11ac-160, Test Freq: 5250.00 MHz, Antenna: Metal Sheet, Power Setting: 13.5, Duty Cycle (%): 91



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
2	5359.52	14.99	3.70	34.49	53.18	Max Avg	Horizontal	152	63	54.0	-0.8	Pass
3	5361.12	34.13	3.70	34.48	72.31	Max Peak	Horizontal	152	63	74.0	-1.7	Pass
1	5350.00	--	--	--	--	Band Edge	--	--	--	--	--	--

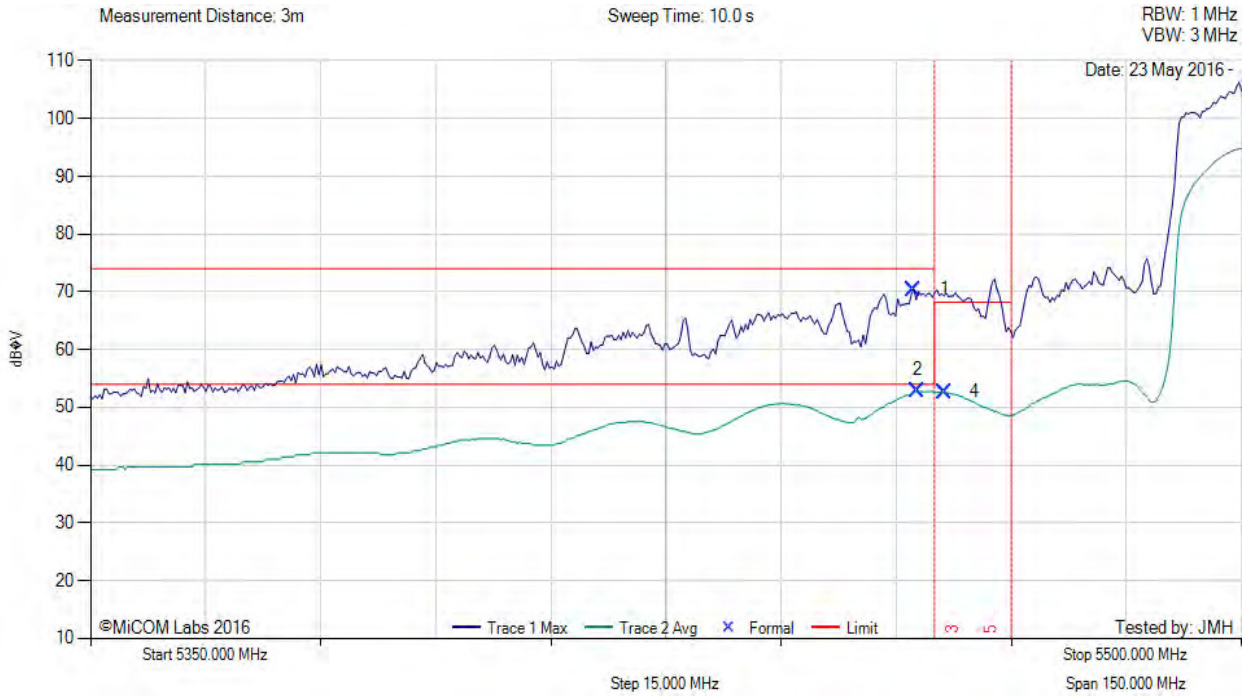
Test Notes: EUT on 150cm table powered by PDSine 9001GR POE. Power reduced to meet Band Edge Limits.

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RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-160, Test Freq: 5570.00 MHz, Antenna: Metal Sheet, Power Setting: 13.5, Duty Cycle (%): 91



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5457.29	32.31	3.80	34.30	70.41	Max Peak	Horizontal	152	63	74.0	-3.6	Pass
2	5457.72	14.79	3.80	34.30	52.89	Max Avg	Horizontal	152	63	54.0	-1.1	Pass
3	5460.00	--	--	--	--	Restricted Band	--	--	--	--	--	--
4	5461.22	14.57	3.79	34.31	52.67	Max Avg	Horizontal	153	30	68.2*	-15.6	Pass
5	5470.00	--	--	--	--	Band Edge	--	--	--	--	--	--

Test Notes: EUT on 150cm table powered by PDSine 9001GR POE. Power reduced to meet Band Edge Limits.

*Note 68.2 dBµV/m is band edge average limit for 5470 MHz per FCC 407

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