

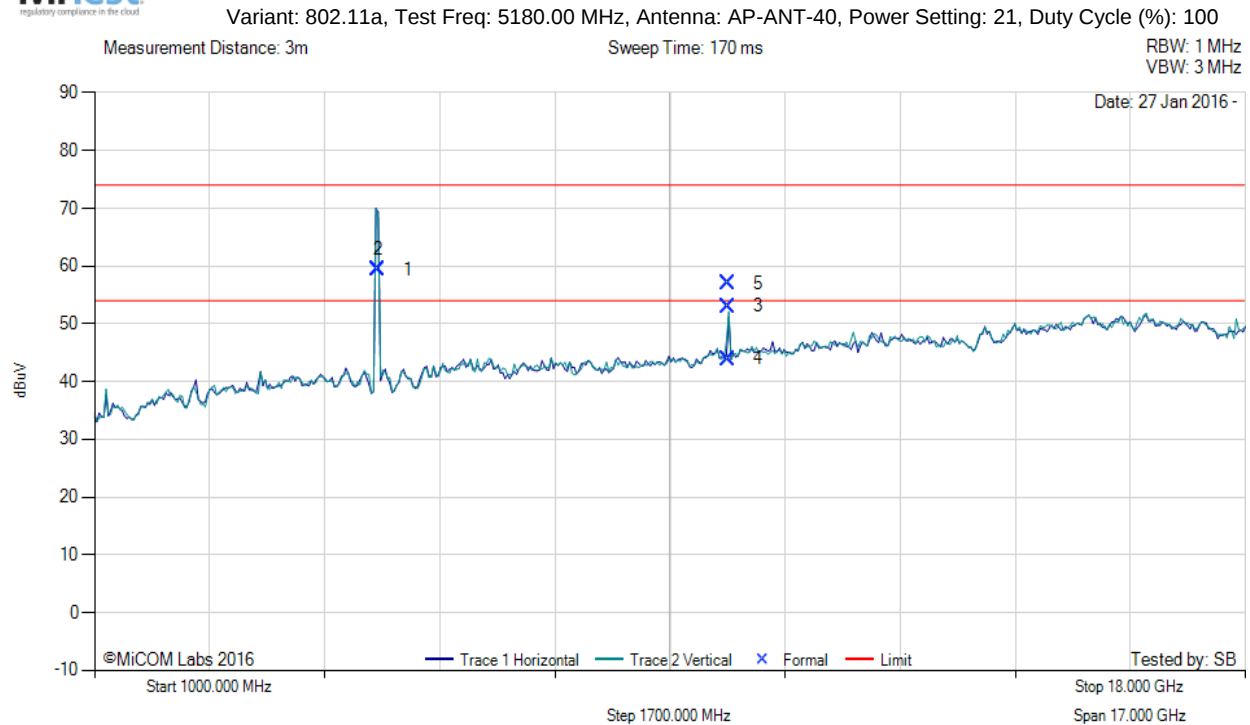


Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 201 of 350

A.1.1.5. AP-ANT-40



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5185.01	67.26	3.68	-11.49	59.45	Fundamental	Horizontal	200	0	--	--	
2	5185.01	67.26	3.68	-11.49	59.45	Peak (NRB)	Horizontal	200	0	--	--	Pass
3	10361.29	52.75	5.57	-5.26	53.06	Peak (NRB)	Vertical	198	54	--	--	Pass
4	10361.29	43.67	5.57	-5.26	43.98	Max Avg	Vertical	178	225	54.0	-10.0	Pass
5	10361.29	56.64	5.57	-5.26	56.95	Max Peak	Vertical	178	225	74.0	-17.1	Pass

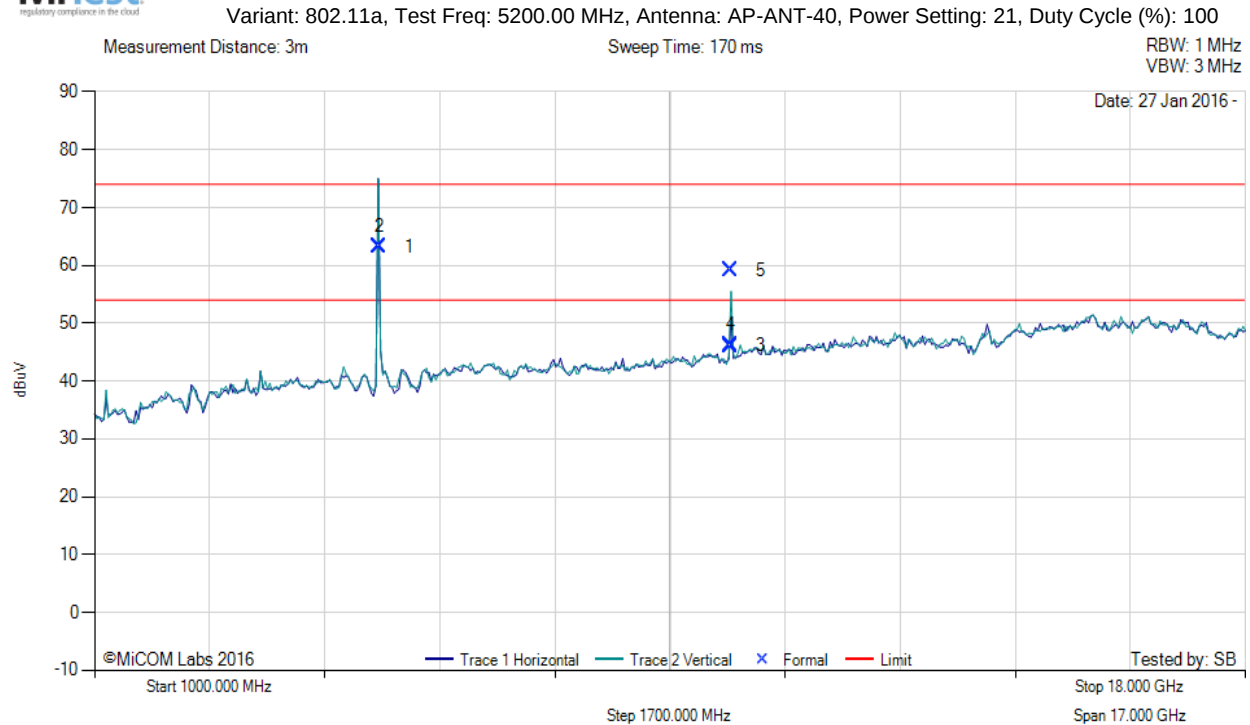
Test Notes: EUT on 150cm Table powered by PDSine 9001GR

[back to matrix](#)

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



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5205.17	71.02	3.65	-11.45	63.22	Fundamental	Horizontal	200	0	--	--	
2	5205.17	71.02	3.65	-11.45	63.22	Peak (NRB)	Horizontal	200	0	--	--	Pass
3	10397.24	45.93	5.37	-5.05	46.25	Peak (NRB)	Vertical	198	0	--	--	Pass
4	10397.24	45.78	5.37	-5.05	46.10	Max Avg	Vertical	195	245	54.0	-7.9	Pass
5	10397.24	58.82	5.37	-5.05	59.14	Max Peak	Vertical	195	245	74.0	-14.9	Pass

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

[back to matrix](#)



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 203 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5240.00 MHz, Antenna: AP-ANT-40, Power Setting: 21, Duty Cycle (%): 100

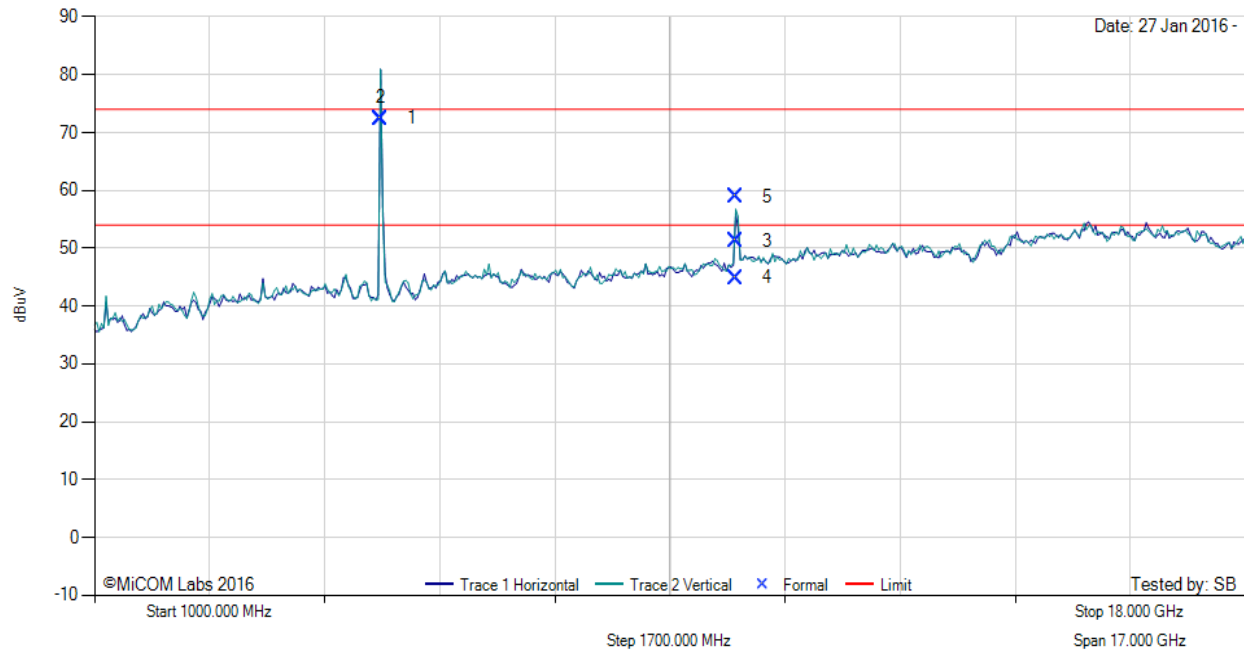
Measurement Distance: 3m

Sweep Time: 170 ms

RBW: 1 MHz

VBW: 3 MHz

Date: 27 Jan 2016 -



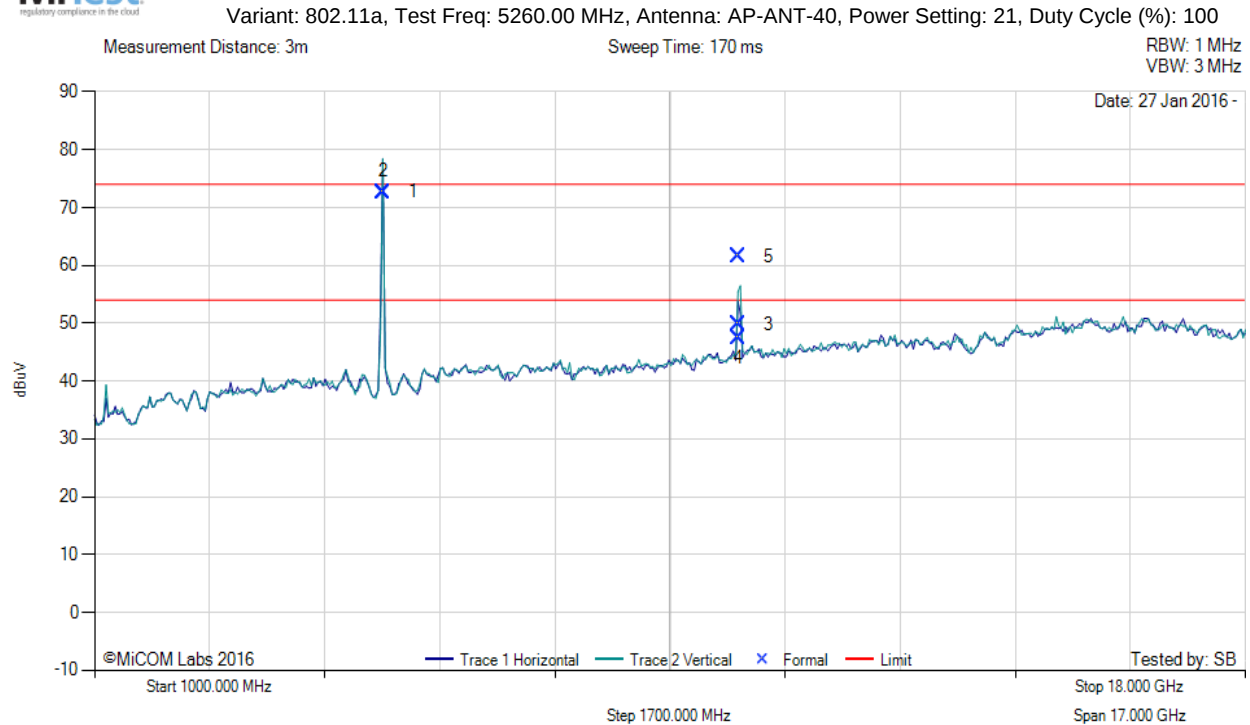
Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5232.47	80.18	3.63	-11.39	72.42	Fundamental	Horizontal	101	1	--	--	
2	5232.47	80.18	3.63	-11.39	72.42	Peak (NRB)	Horizontal	101	1	--	--	Pass
3	10480.92	50.27	5.41	-4.45	51.23	Peak (NRB)	Vertical	101	77	--	--	Pass
4	10480.92	43.93	5.41	-4.45	44.89	Max Avg	Vertical	124	230	54.0	-9.1	Pass
5	10480.92	57.94	5.41	-4.45	58.90	Max Peak	Vertical	124	230	74.0	-15.1	Pass

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

[back to matrix](#)

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

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5259.04	80.33	3.65	-11.29	72.69	Fundamental	Horizontal	101	1	--	--	
2	5259.04	80.33	3.65	-11.29	72.69	Peak (NRB)	Horizontal	101	1	--	--	Pass
3	10514.55	48.53	5.45	-4.23	49.75	Peak (NRB)	Vertical	101	82	--	--	Pass
4	10514.55	46.29	5.45	-4.23	47.51	Max Avg	Vertical	170	243	54.0	-6.5	Pass
5	10514.55	60.38	5.45	-4.23	61.60	Max Peak	Vertical	170	243	74.0	-12.4	Pass

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

[back to matrix](#)



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 205 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

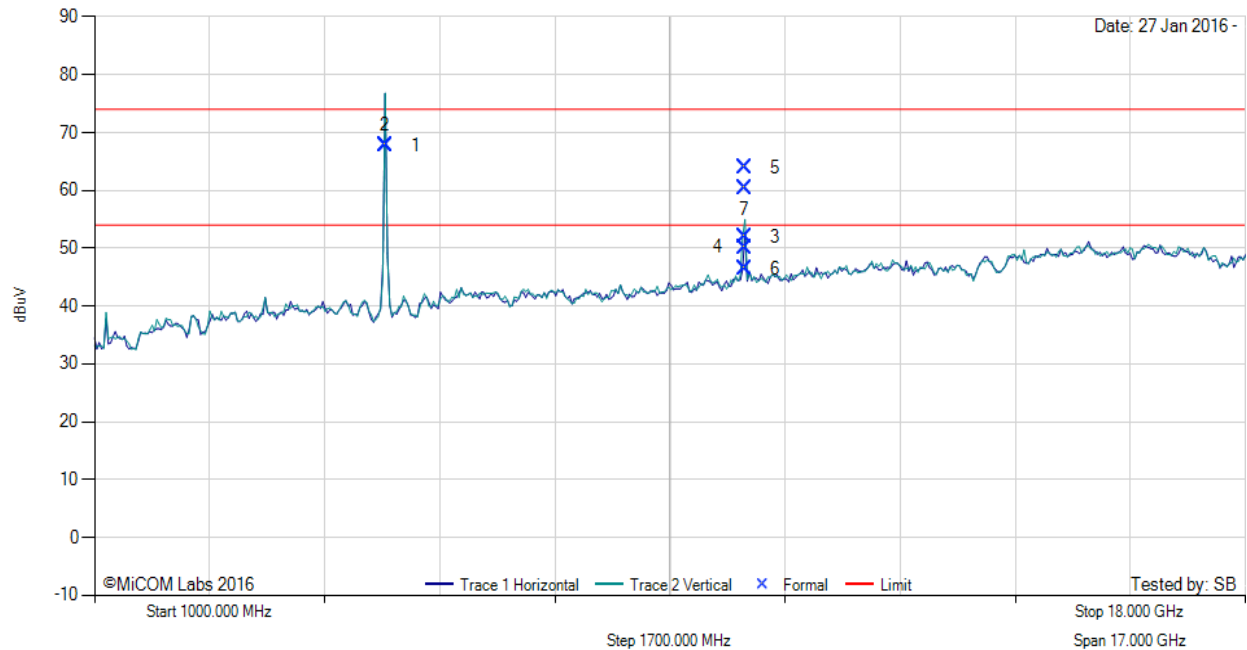
Variant: 802.11a, Test Freq: 5300.00 MHz, Antenna: AP-ANT-40, Power Setting: 21, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 170 ms

RBW: 1 MHz
VBW: 3 MHz

Date: 27 Jan 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5292.47	75.21	3.76	-11.13	67.84	Fundamental	Horizontal	200	1	--	--	
2	5292.47	75.21	3.76	-11.13	67.84	Peak (NRB)	Horizontal	200	1	--	--	Pass
3	10596.71	50.35	5.60	-3.93	52.02	Peak (NRB)	Vertical	198	55	--	--	Pass
4	10596.71	48.49	5.60	-3.93	50.16	Max Avg	Vertical	190	300	54.0	-3.8	Pass
5	10596.71	62.33	5.60	-3.93	64.00	Max Peak	Vertical	190	300	74.0	-10.0	Pass
6	10596.71	44.79	5.60	-3.93	46.46	Max Avg	Horizontal	191	224	54.0	-7.5	Pass
7	10596.71	58.72	5.60	-3.93	60.39	Max Peak	Horizontal	191	224	74.0	-13.6	Pass

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

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 206 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5320.00 MHz, Antenna: AP-ANT-40, Power Setting: 21, Duty Cycle (%): 100

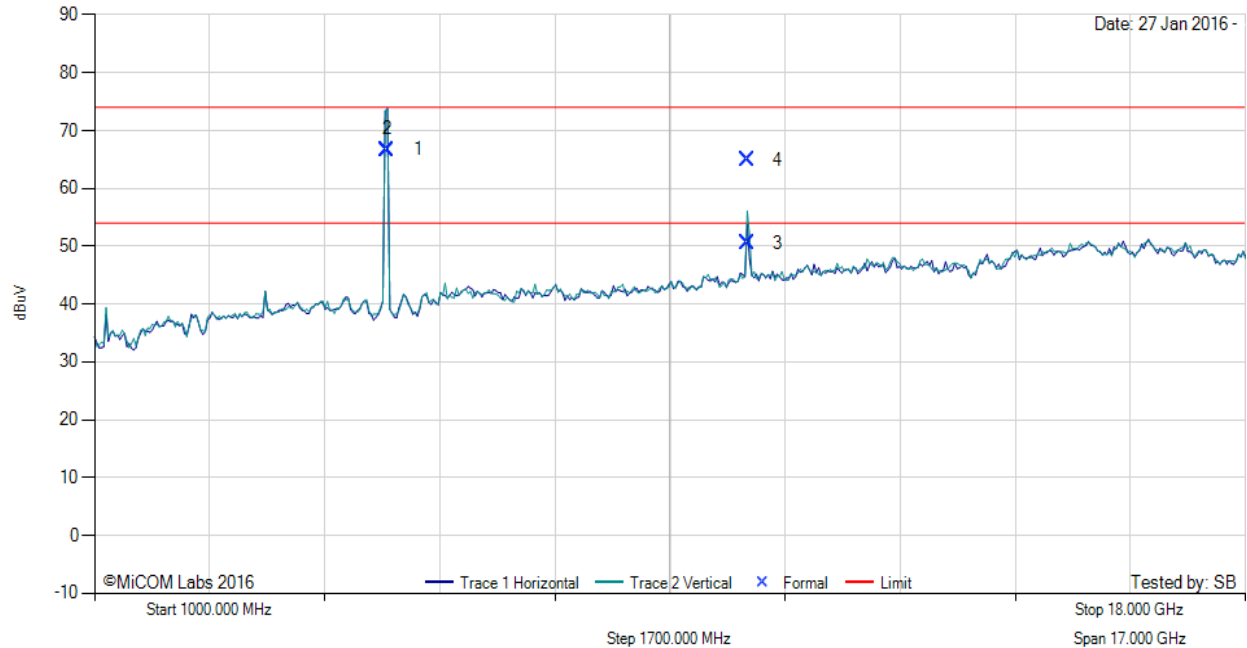
Measurement Distance: 3m

Sweep Time: 170 ms

RBW: 1 MHz

VBW: 3 MHz

Date: 27 Jan 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5325.46	74.01	3.73	-11.06	66.68	Fundamental	Horizontal	200	110	--	--	
2	5325.46	74.01	3.73	-11.06	66.68	Peak (NRB)	Horizontal	200	110	--	--	Pass
3	10636.75	48.97	5.45	-3.89	50.53	Max Avg	Vertical	147	100	54.0	-3.5	Pass
4	10636.75	63.30	5.45	-3.89	64.86	Max Peak	Vertical	147	100	74.0	-9.1	Pass

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

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 207 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

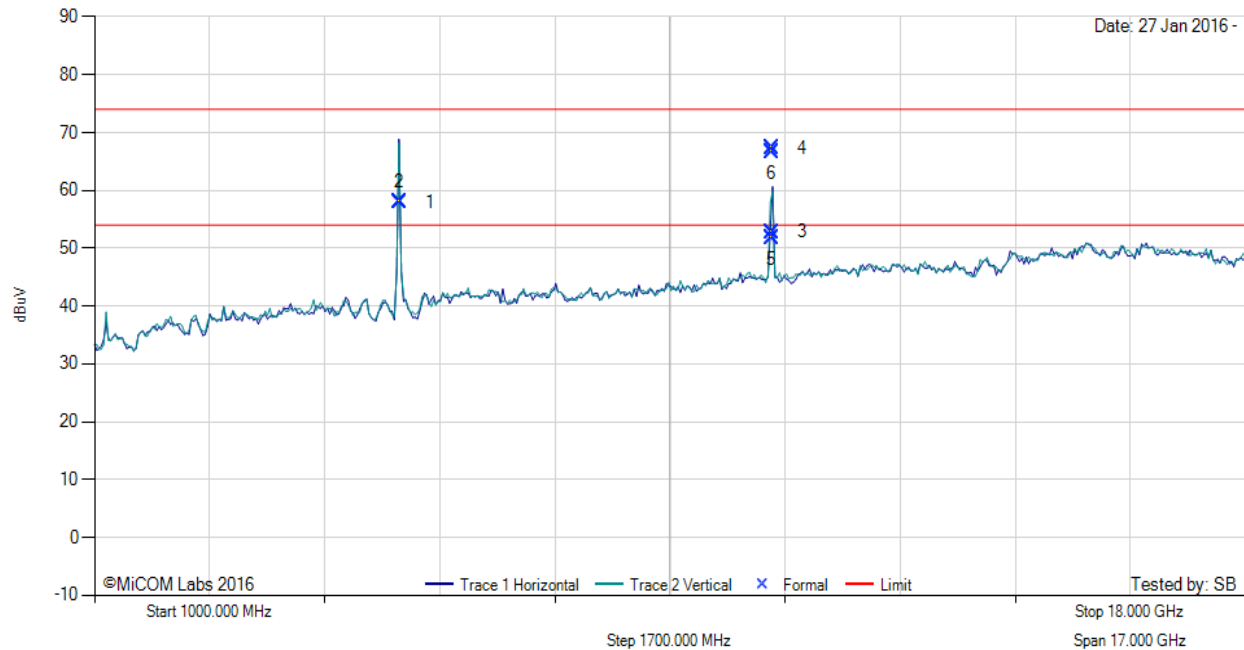
Variant: 802.11a, Test Freq: 5500.00 MHz, Antenna: AP-ANT-40, Power Setting: 21, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 170 ms

RBW: 1 MHz
VBW: 3 MHz

Date: 27 Jan 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5504.97	65.38	3.75	-11.18	57.95	Fundamental	Horizontal	151	1	--	--	
2	5504.97	65.38	3.75	-11.18	57.95	Peak (NRB)	Horizontal	151	1	--	--	Pass
3	11000.32	51.46	5.59	-4.24	52.81	Max Avg	Horizontal	137	240	54.0	-1.2	Pass
4	11000.32	66.02	5.59	-4.24	67.37	Max Peak	Horizontal	137	240	74.0	-6.6	Pass
5	11000.32	50.38	5.59	-4.24	51.73	Max Avg	Vertical	195	260	54.0	-2.3	Pass
6	11000.32	65.25	5.59	-4.24	66.60	Max Peak	Vertical	195	260	74.0	-7.4	Pass

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

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 208 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

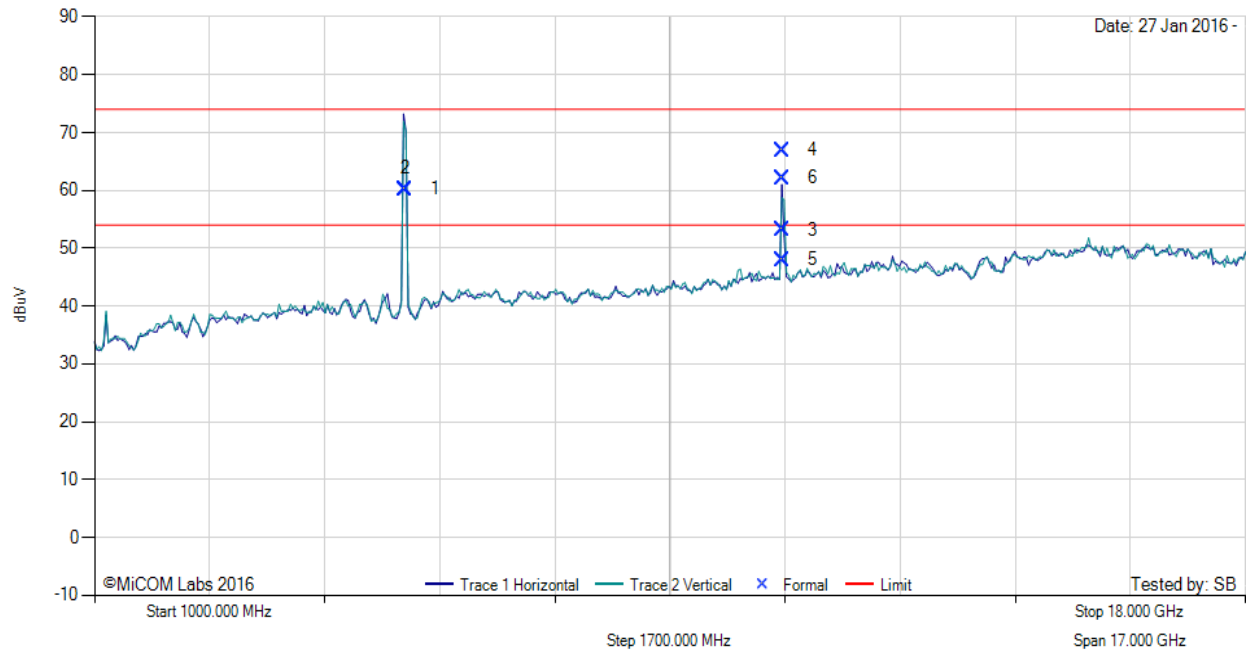
Variant: 802.11a, Test Freq: 5580.00 MHz, Antenna: AP-ANT-40, Power Setting: 21, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 170 ms

RBW: 1 MHz
VBW: 3 MHz

Date: 27 Jan 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5584.85	67.62	3.79	-11.19	60.22	Fundamental	Horizontal	101	1	--	--	
2	5584.85	67.62	3.79	-11.19	60.22	Peak (NRB)	Horizontal	101	1	--	--	Pass
3	11159.75	51.39	5.85	-4.07	53.17	Max Avg	Horizontal	134	242	54.0	-0.8	Pass
4	11159.75	65.12	5.85	-4.07	66.90	Max Peak	Horizontal	134	242	74.0	-7.1	Pass
5	11159.75	46.27	5.85	-4.07	48.05	Max Avg	Vertical	114	257	54.0	-6.0	Pass
6	11159.75	60.38	5.85	-4.07	62.16	Max Peak	Vertical	114	257	74.0	-11.8	Pass

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

[back to matrix](#)

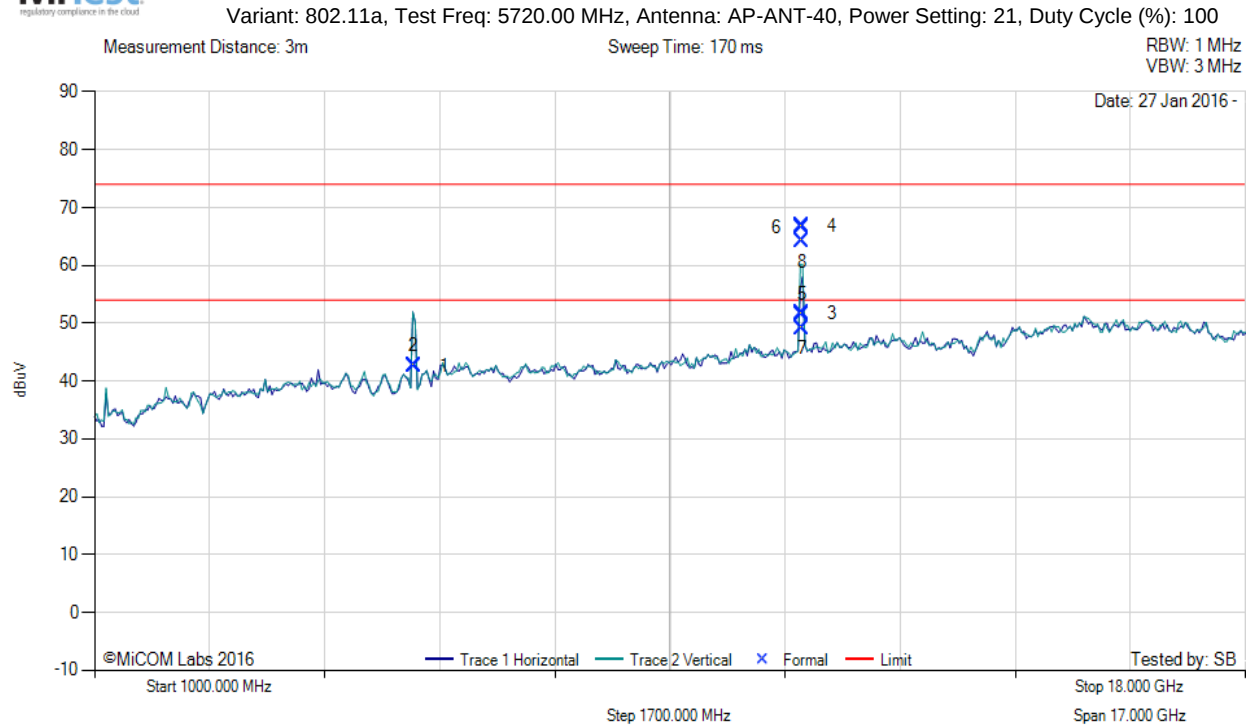
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 209 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5713.99	49.50	3.82	-10.76	42.56	Fundamental	Horizontal	101	1	--	--	
2	5713.99	49.50	3.82	-10.76	42.56	Peak (NRB)	Horizontal	101	1	--	--	Pass
5	11447.46	51.05	5.41	-4.92	51.54	Max Avg	Vertical	156	272	54.0	-2.5	Pass
6	11447.46	66.09	5.41	-4.92	66.58	Max Peak	Vertical	156	272	74.0	-7.4	Pass
7	11447.46	48.69	5.41	-4.92	49.18	Max Avg	Horizontal	128	238	54.0	-4.8	Pass
8	11447.46	63.63	5.41	-4.92	64.12	Max Peak	Horizontal	128	238	74.0	-9.9	Pass

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

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 210 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: AP-ANT-40, Power Setting: 18, Duty Cycle (%): 100

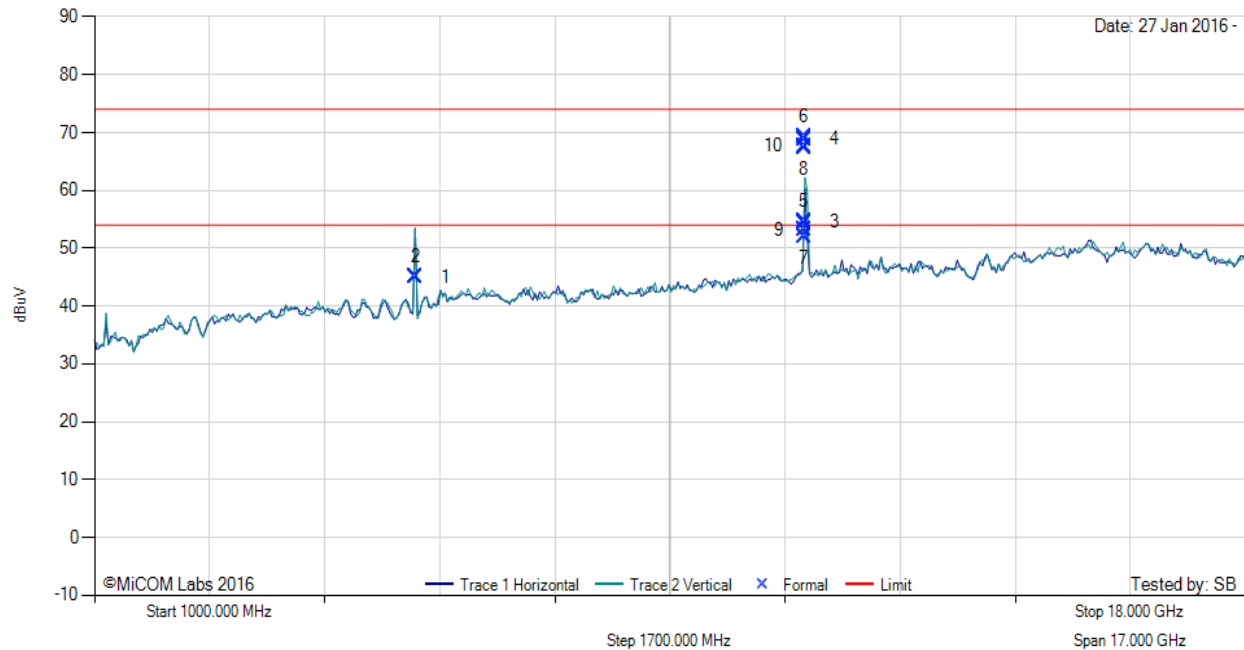
Measurement Distance: 3m

Sweep Time: 170 ms

RBW: 1 MHz

VBW: 3 MHz

Date: 27 Jan 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5737.71	51.82	3.82	-10.67	44.97	Fundamental	Horizontal	101	1	--	--	
2	5737.71	51.82	3.82	-10.67	44.97	Peak (NRB)	Horizontal	101	1	--	--	Pass
7	11481.81	51.38	5.47	-4.86	51.99	Max Avg	Horizontal	124	227	54.0	-2.0	Pass
8	11481.81	66.65	5.47	-4.86	67.26	Max Peak	Horizontal	124	227	74.0	-6.7	Pass
9	11481.82	52.57	5.47	-4.86	53.18	Max Avg	Vertical	188	248	54.0	-0.8	Pass
10	11481.82	67.02	5.47	-4.86	67.63	Max Peak	Vertical	188	248	74.0	-6.4	Pass

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

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 211 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5785.00 MHz, Antenna: AP-ANT-40, Power Setting: 16, Duty Cycle (%): 100

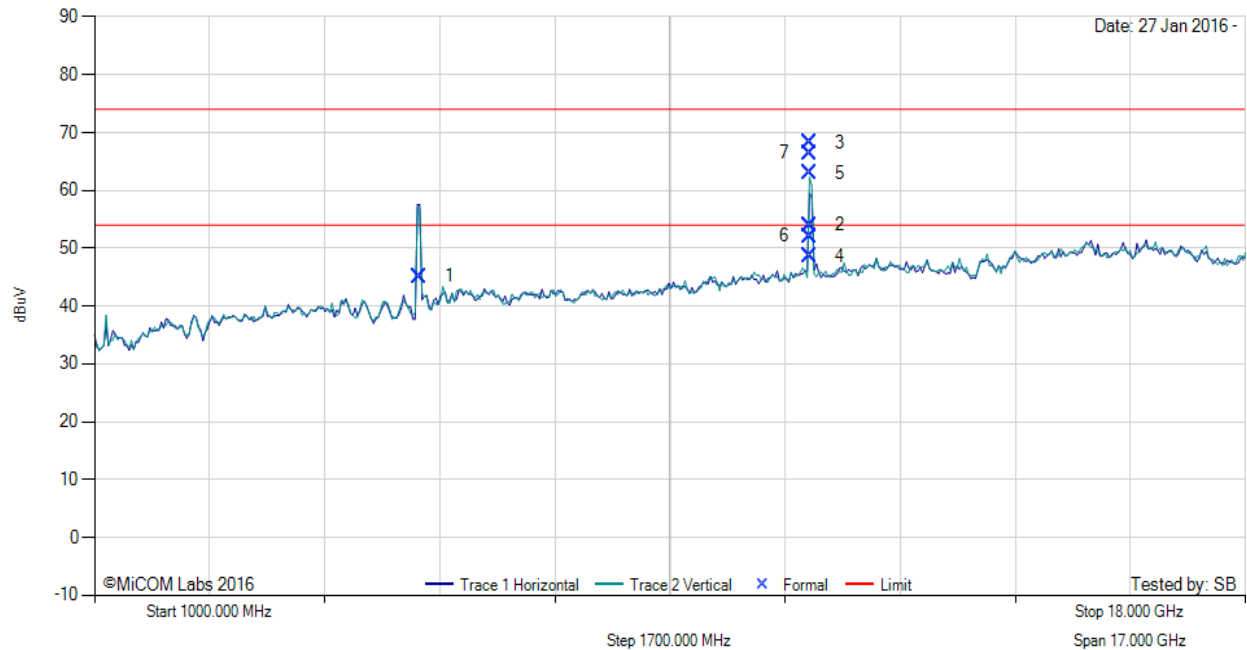
Measurement Distance: 3m

Sweep Time: 170 ms

RBW: 1 MHz

VBW: 3 MHz

Date: 27 Jan 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5792.63	51.77	3.78	-10.40	45.15	Peak (NRB)	Horizontal	101	1	--	--	Pass
4	11561.76	47.66	5.62	-4.67	48.61	Max Avg	Horizontal	109	242	54.0	-5.4	Pass
5	11561.76	62.01	5.62	-4.67	62.96	Max Peak	Horizontal	109	242	74.0	-11.0	Pass
6	11561.77	51.11	5.62	-4.67	52.06	Max Avg	Vertical	179	247	54.0	-1.9	Pass
7	11561.77	65.51	5.62	-4.67	66.46	Max Peak	Vertical	179	247	74.0	-7.5	Pass

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

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 212 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

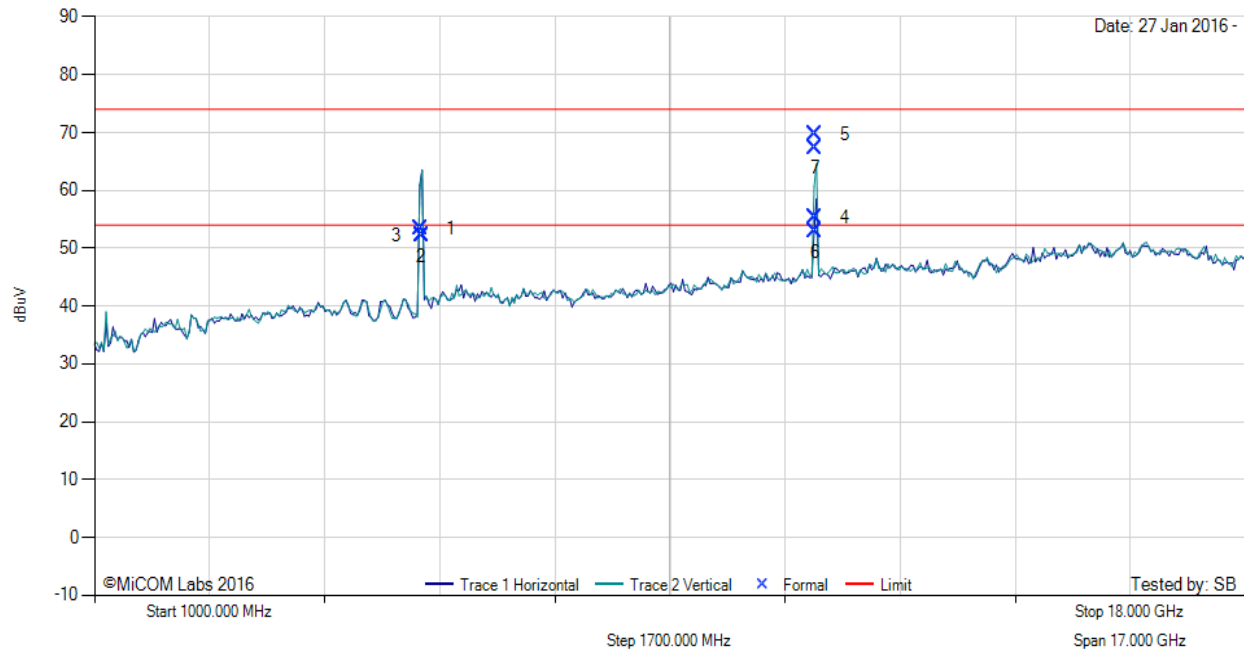
Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: AP-ANT-40, Power Setting: 18, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 170 ms

RBW: 1 MHz
VBW: 3 MHz

Date: 27 Jan 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5818.80	59.83	3.82	-10.28	53.37	Peak (NRB)	Horizontal	101	1	--	--	Pass
2	5831.10	58.52	3.84	-10.22	52.14	Fundamental	Horizontal	101	1	--	--	
3	5831.10	58.52	3.84	-10.22	52.14	Peak (NRB)	Horizontal	101	1	--	--	Pass
6	11645.06	51.99	5.46	-4.47	52.98	Max Avg	Vertical	193	245	54.0	-1.0	Pass
7	11645.06	66.46	5.46	-4.47	67.45	Max Peak	Vertical	193	245	74.0	-6.6	Pass

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

[back to matrix](#)

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

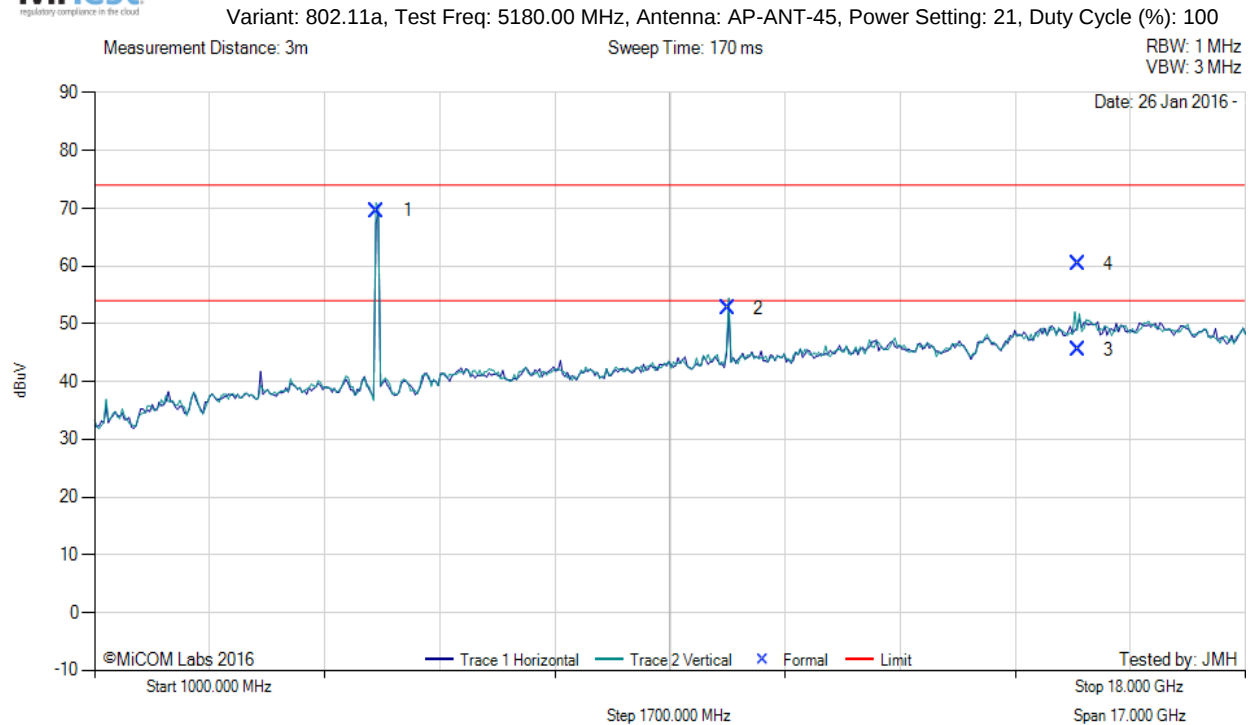


Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 213 of 350

A.1.1.6. AP-ANT-45



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5175.19	77.39	3.70	-11.52	69.57	Fundamental	Vertical	101	0	--	--	
2	10359.28	52.45	5.56	-5.27	52.74	Peak (NRB)	Vertical	101	207	--	--	Pass
3	15530.54	40.25	5.87	-0.62	45.50	Max Avg	Vertical	167	13	54.0	-8.5	Pass
4	15530.54	55.15	5.87	-0.62	60.40	Max Peak	Vertical	167	13	74.0	-13.6	Pass

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

[back to matrix](#)

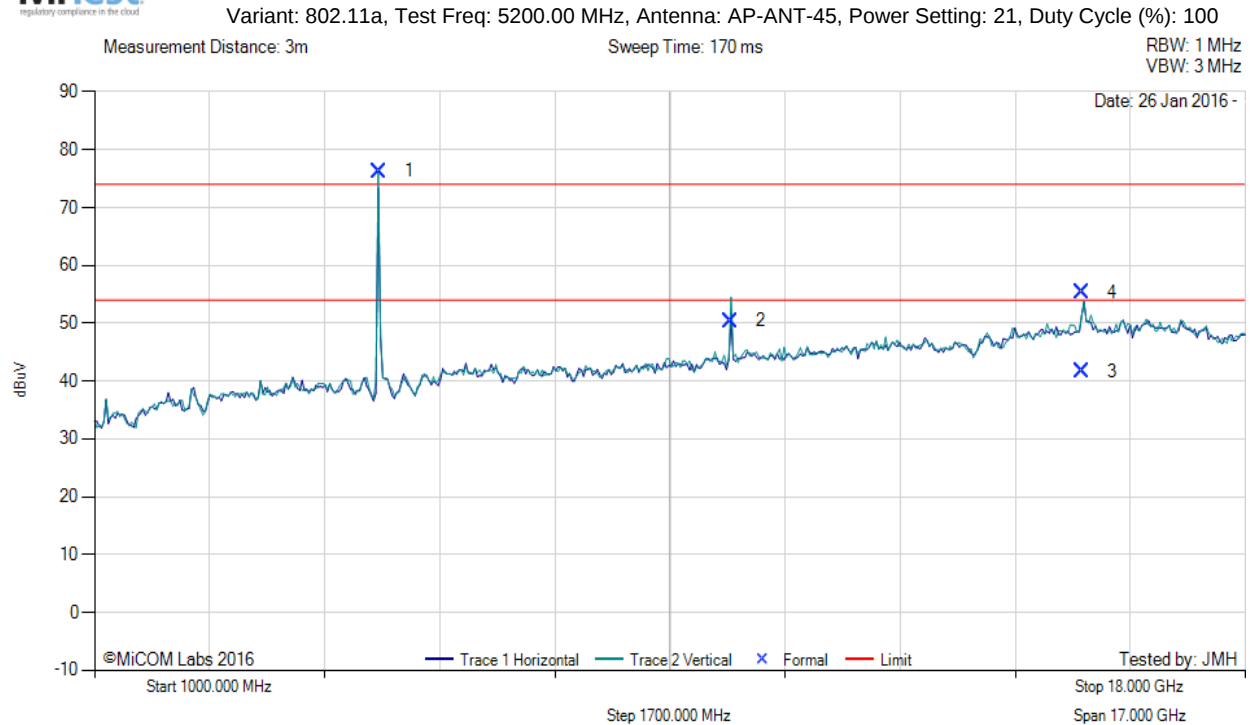
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 214 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5202.68	84.07	3.65	-11.45	76.27	Fundamental	Vertical	101	1	--	--	
2	10390.10	50.14	5.39	-5.09	50.44	Peak (NRB)	Vertical	101	1	--	--	Pass
3	15591.38	36.01	5.98	-0.30	41.69	Max Avg	Horizontal	100	12	54.0	-12.3	Pass
4	15591.38	49.69	5.98	-0.30	55.37	Max Peak	Horizontal	100	12	74.0	-18.6	Pass

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

[back to matrix](#)

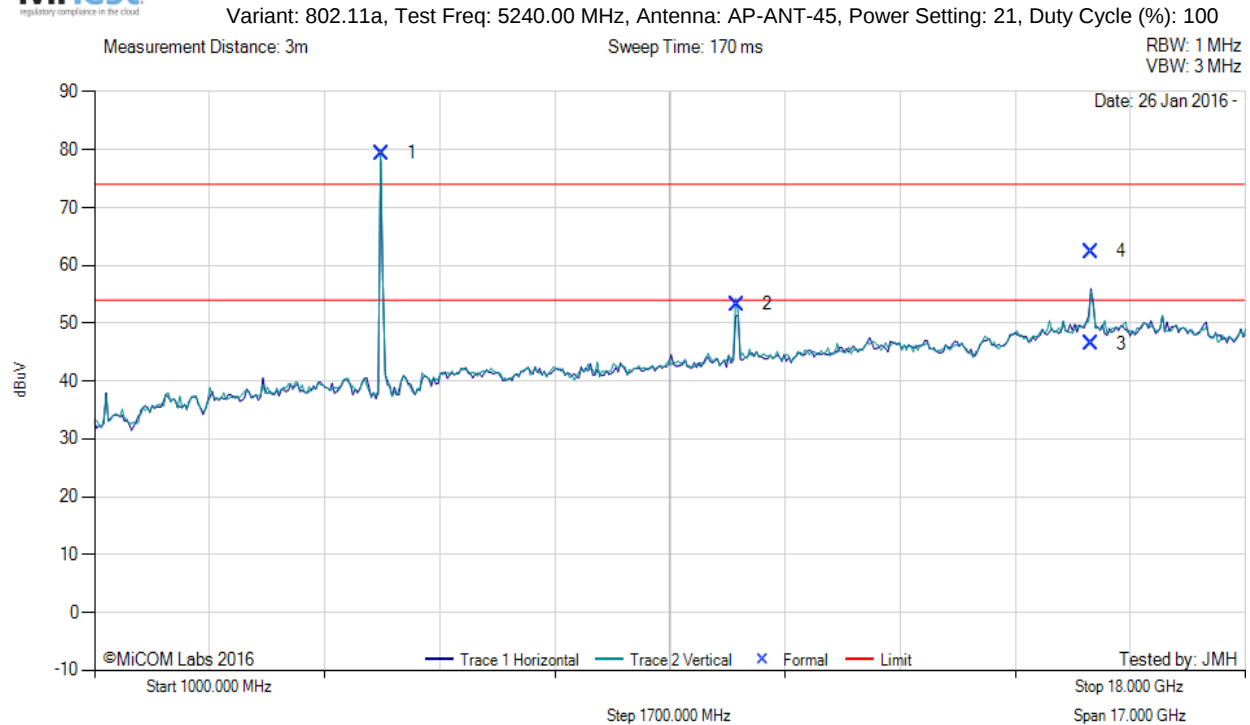
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 215 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5243.25	87.13	3.63	-11.36	79.40	Fundamental	Vertical	101	1	--	--	
2	10483.85	52.29	5.41	-4.44	53.26	Peak (NRB)	Vertical	101	41	--	--	Pass
3	15712.42	40.38	5.96	0.18	46.52	Max Avg	Horizontal	158	22	54.0	-7.5	Pass
4	15712.42	56.22	5.96	0.18	62.36	Max Peak	Horizontal	158	22	74.0	-11.6	Pass

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

[back to matrix](#)

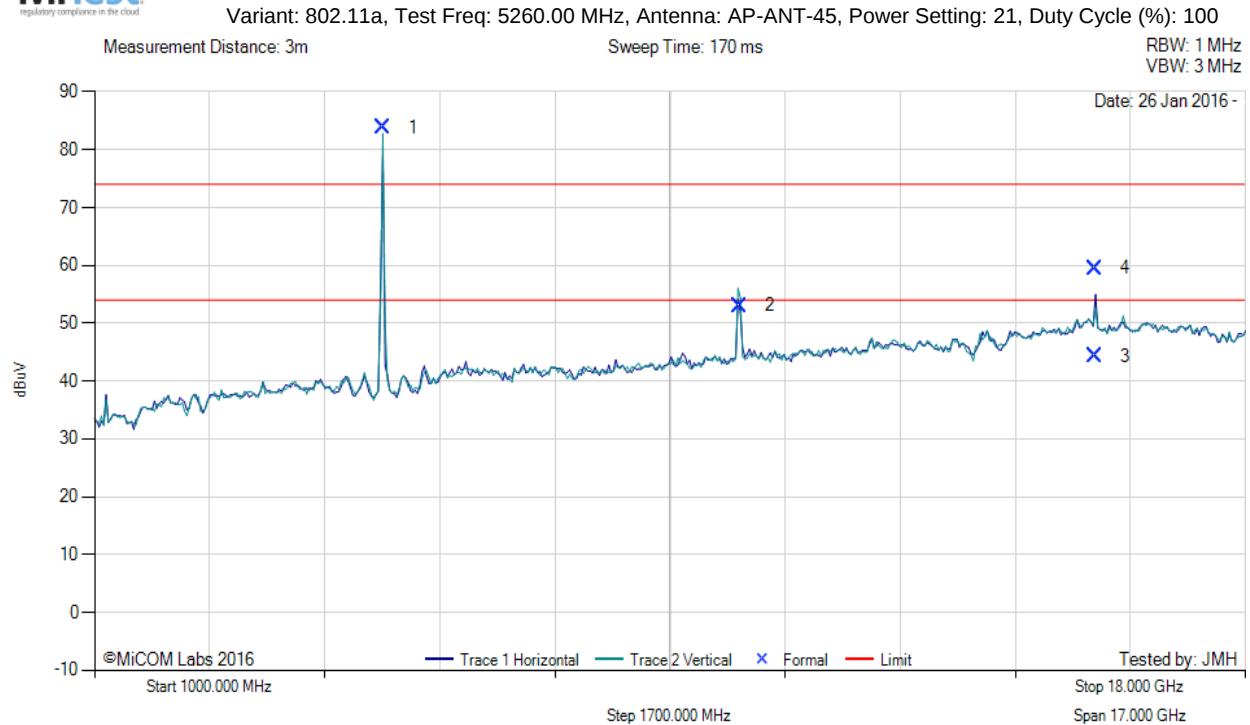
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 216 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5262.49	91.50	3.66	-11.28	83.88	Fundamental	Vertical	101	0	--	--	
2	10526.57	51.84	5.42	-4.18	53.08	Peak (NRB)	Vertical	200	0	--	--	Pass
3	15776.51	38.27	5.98	0.10	44.35	Max Avg	Horizontal	160	23	54.0	-9.7	Pass
4	15776.51	53.43	5.98	0.10	59.51	Max Peak	Horizontal	160	23	74.0	-14.5	Pass

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

[back to matrix](#)

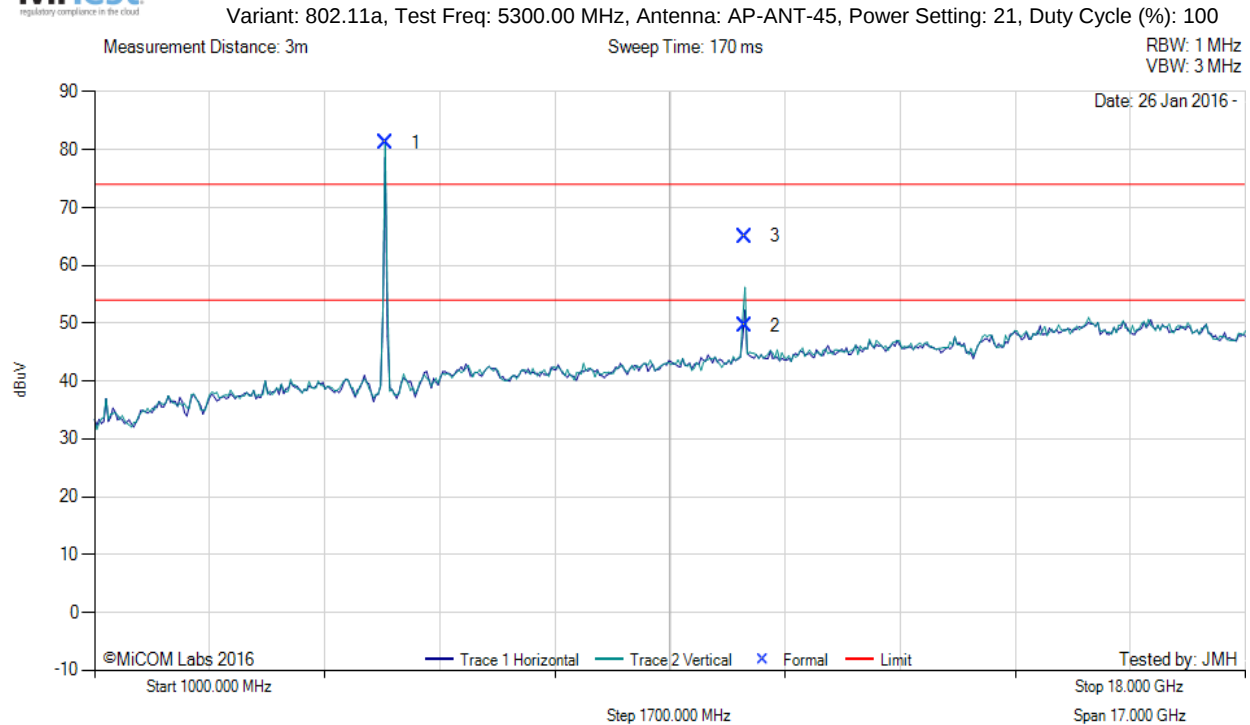
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 217 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5294.07	88.54	3.78	-11.12	81.20	Fundamental	Vertical	101	1	--	--	
2	10600.28	47.95	5.58	-3.94	49.59	Max Avg	Vertical	198	217	54.0	-4.4	Pass
3	10600.28	63.39	5.58	-3.94	65.03	Max Peak	Vertical	198	217	74.0	-9.0	Pass

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

[back to matrix](#)

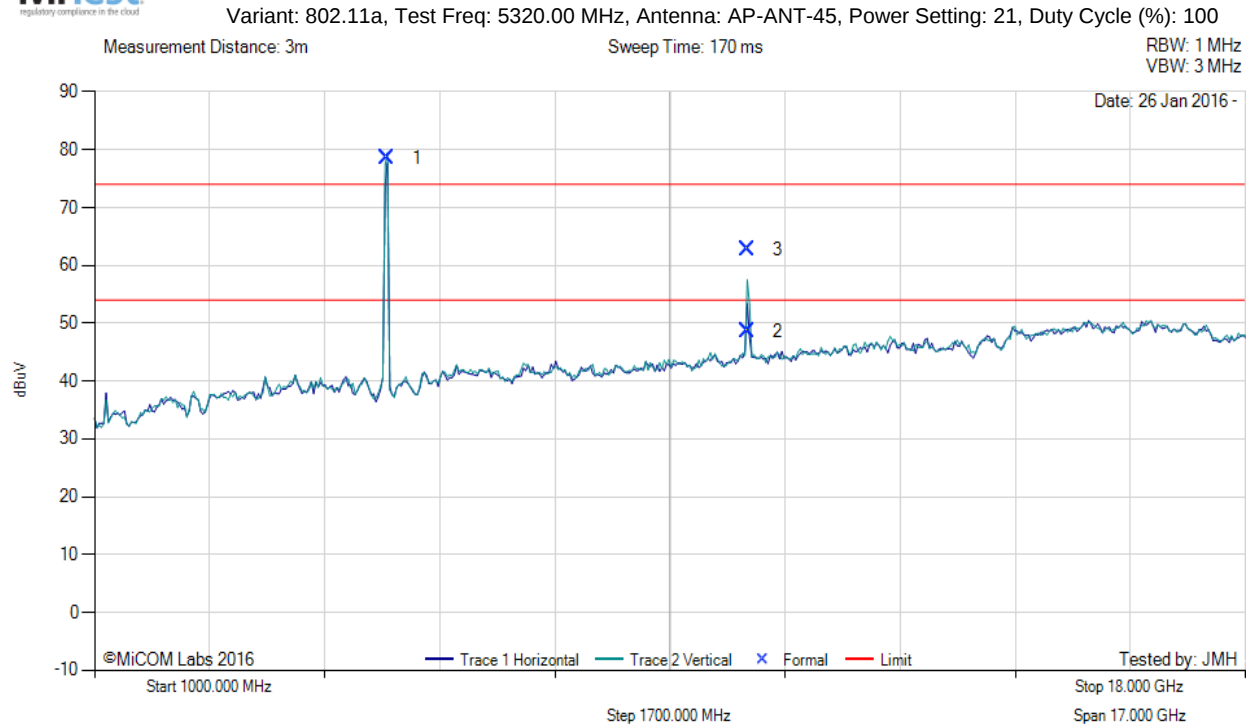
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 218 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5321.72	85.92	3.75	-11.06	78.61	Fundamental	Vertical	151	1	--	--	
2	10639.08	47.12	5.42	-3.90	48.64	Max Avg	Vertical	152	103	54.0	-5.4	Pass
3	10639.08	61.21	5.42	-3.90	62.73	Max Peak	Vertical	152	103	74.0	-11.3	Pass

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

[back to matrix](#)

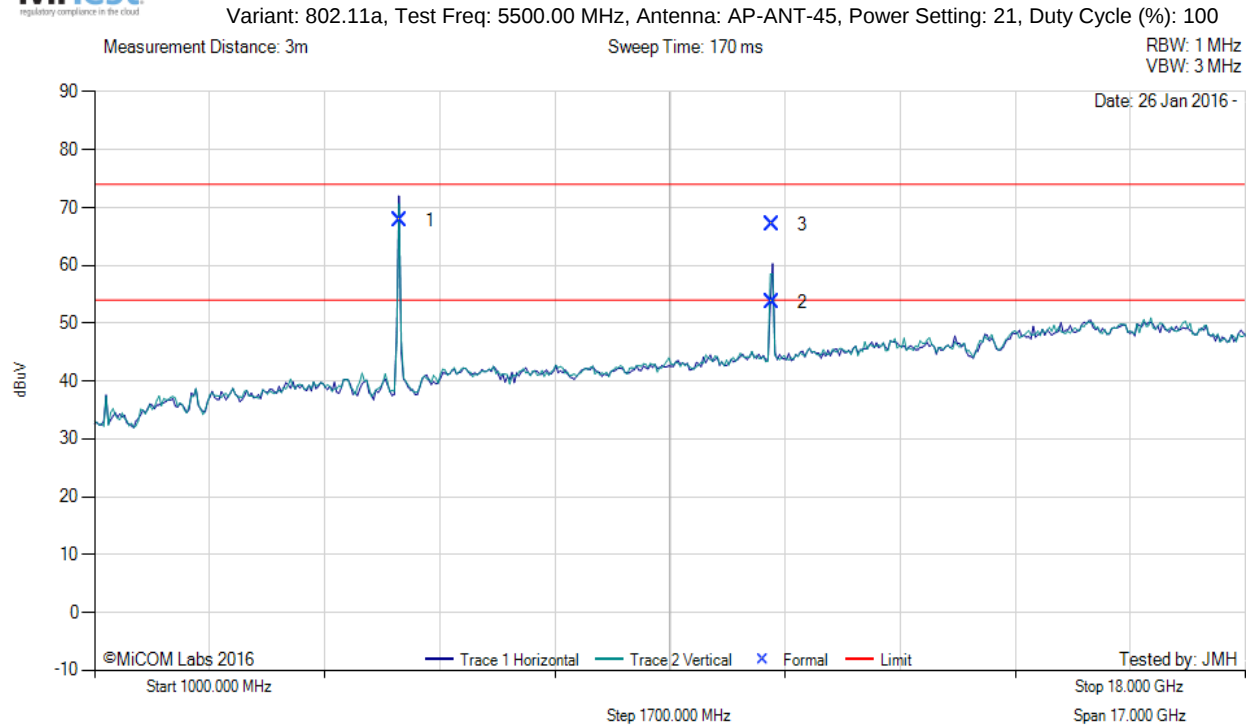
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 219 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5503.92	75.26	3.75	-11.18	67.83	Fundamental	Horizontal	101	1	--	--	
2	11001.72	52.29	5.59	-4.24	53.64	Max Avg	Horizontal	157	237	54.0	-0.4	Pass
3	11001.72	65.77	5.59	-4.24	67.12	Max Peak	Horizontal	157	237	74.0	-6.9	Pass

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

[back to matrix](#)

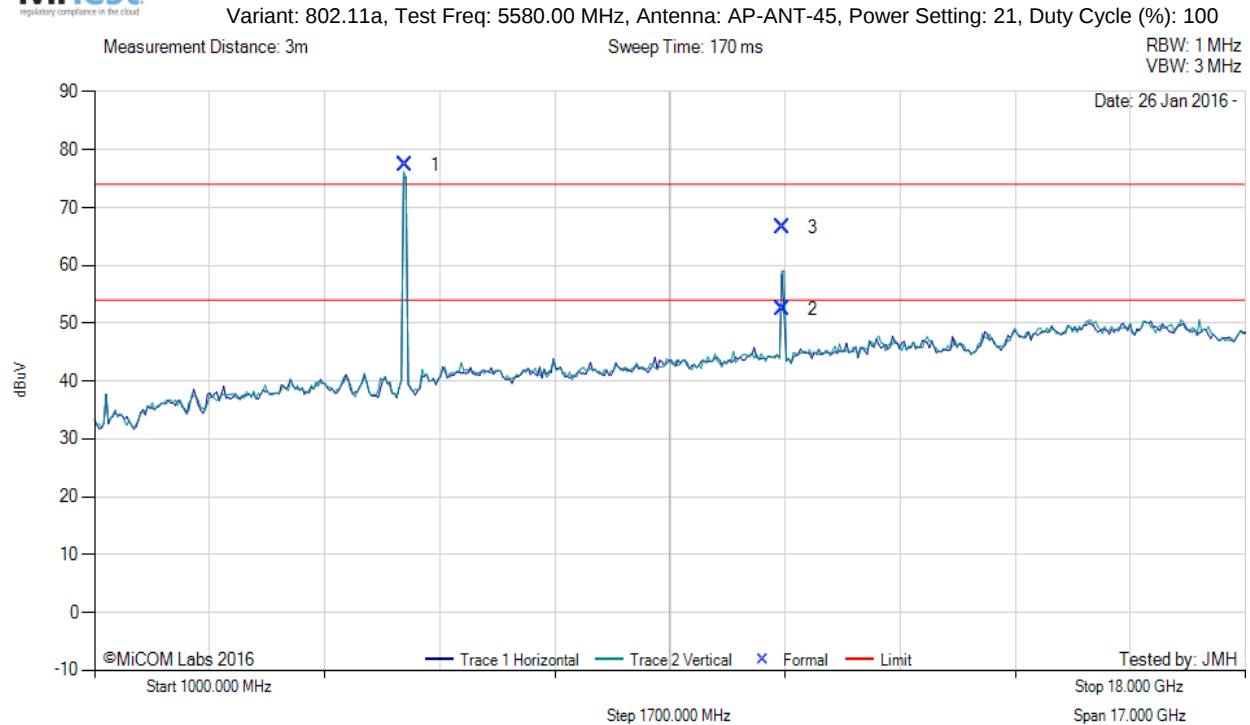
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 220 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5581.84	84.80	3.80	-11.20	77.40	Fundamental	Vertical	101	1	--	--	
2	11159.07	50.62	5.89	-4.06	52.45	Max Avg	Vertical	168	245	54.0	-1.6	Pass
3	11159.07	64.68	5.89	-4.06	66.51	Max Peak	Vertical	168	245	74.0	-7.5	Pass

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

[back to matrix](#)

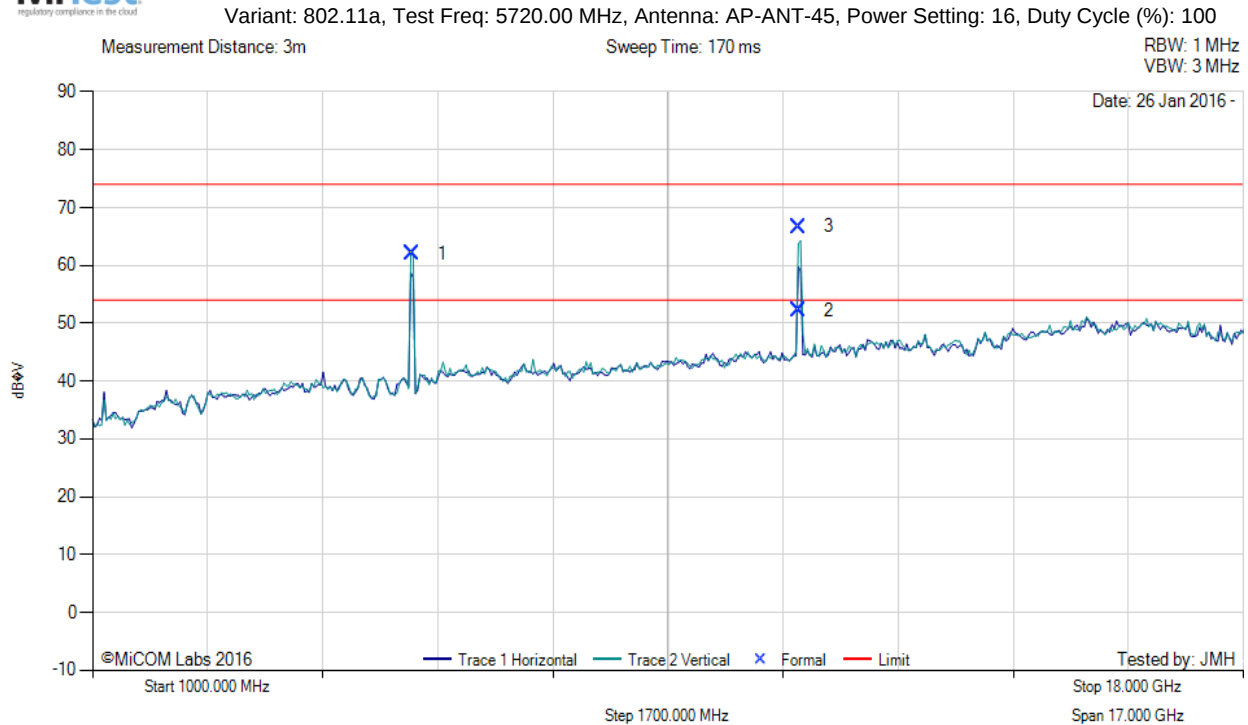
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 221 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5721.32	68.92	3.80	-10.73	61.99	Fundamental	Vertical	101	1	--	--	
2	11433.22	51.76	5.43	-4.92	52.27	Max Avg	Vertical	196	239	54.0	-1.7	Pass
3	11433.22	66.16	5.43	-4.92	66.67	Max Peak	Vertical	196	239	74.0	-7.3	Pass

Test Notes: EUT on 150cm Table powered by PDSine 9001GR. Power reduced to 16 due to 11.4 GHz harmonic

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 222 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: AP-ANT-45, Power Setting: 18, Duty Cycle (%): 100

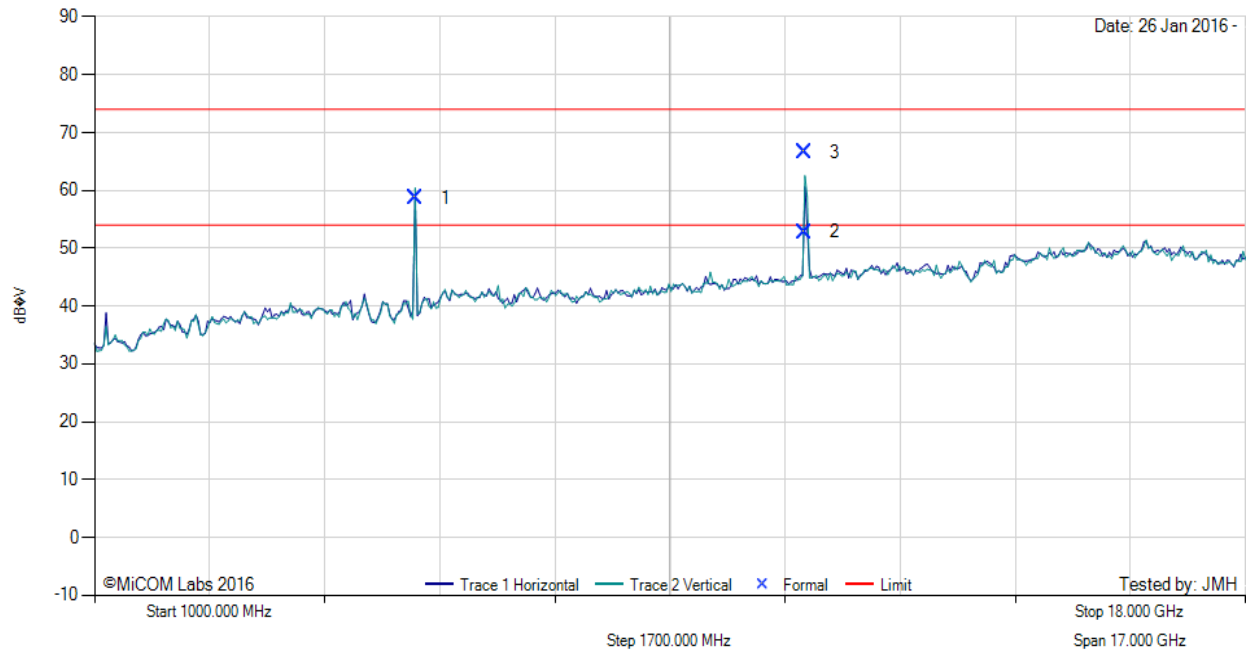
Measurement Distance: 3m

Sweep Time: 170 ms

RBW: 1 MHz

VBW: 3 MHz

Date: 26 Jan 2016 -



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5737.43	65.54	3.82	-10.67	58.69	Fundamental	Vertical	101	1	--	--	
2	11485.17	52.16	5.46	-4.86	52.76	Max Avg	Vertical	156	219	54.0	-1.2	Pass
3	11485.17	66.04	5.46	-4.86	66.64	Max Peak	Vertical	156	219	74.0	-7.4	Pass

Test Notes: EUT on 150cm Table powered by PDSine 9001GR. Power reduced to 18 due to 11.5 GHz harmonic

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 223 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5785.00 MHz, Antenna: AP-ANT-45, Power Setting: 15, Duty Cycle (%): 100

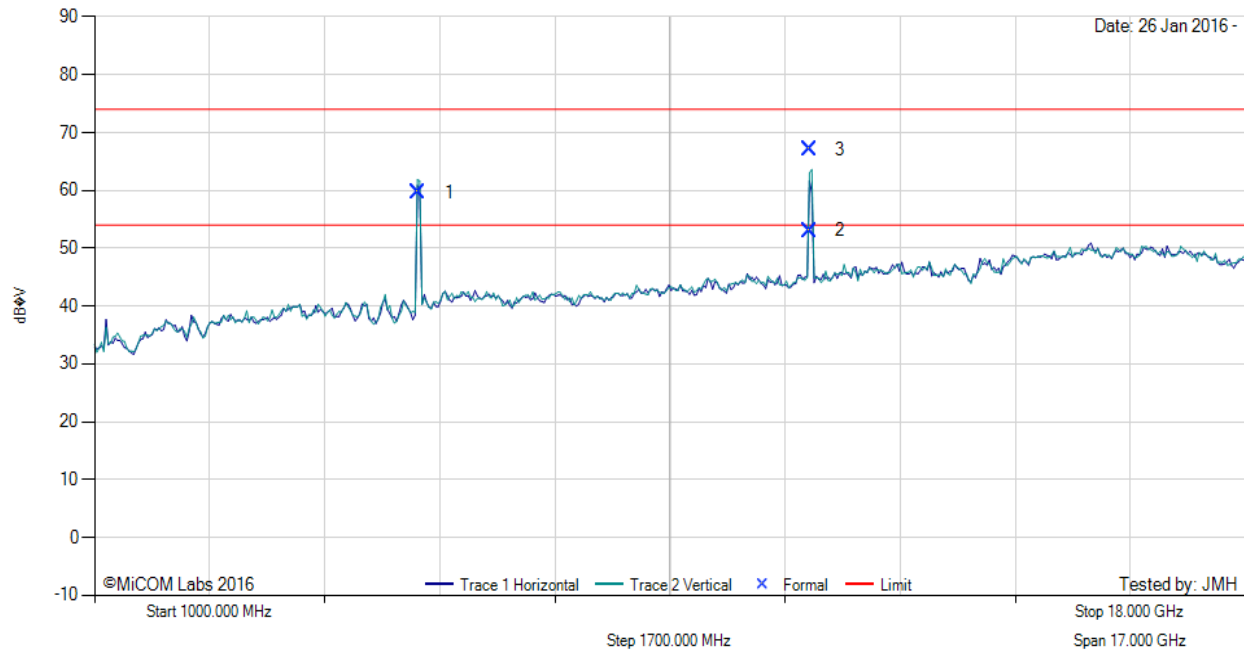
Measurement Distance: 3m

Sweep Time: 170 ms

RBW: 1 MHz

VBW: 3 MHz

Date: 26 Jan 2016 -



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5786.41	66.27	3.79	-10.44	59.62	Fundamental	Vertical	101	1	--	--	
2	11561.68	52.09	5.62	-4.67	53.04	Max Avg	Vertical	190	249	54.0	-1.0	Pass
3	11561.68	66.03	5.62	-4.67	66.98	Max Peak	Vertical	190	249	74.0	-7.0	Pass

Test Notes: EUT on 150cm Table powered by PDSine 9001GR. Power reduced to 15 due to 11.56 GHz harmonic

[back to matrix](#)

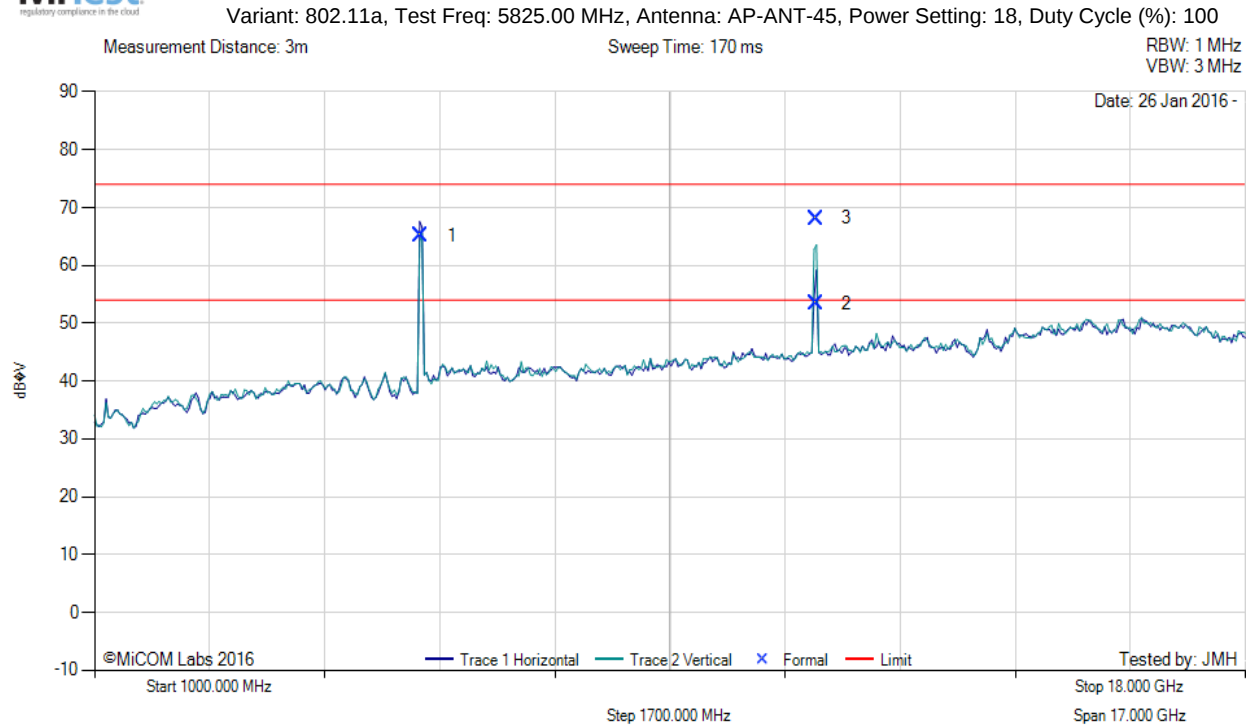
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 224 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5823.21	71.59	3.83	-10.25	65.17	Fundamental	Horizontal	101	1	--	--	
2	11658.12	52.31	5.59	-4.45	53.45	Max Avg	Vertical	180	302	54.0	-0.6	Pass
3	11658.12	66.97	5.59	-4.45	68.11	Max Peak	Vertical	180	302	74.0	-5.9	Pass

Test Notes: EUT on 150cm Table powered by PDSine 9001GR. Power reduced to 18 due to 11.6 GHz harmonic

[back to matrix](#)

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

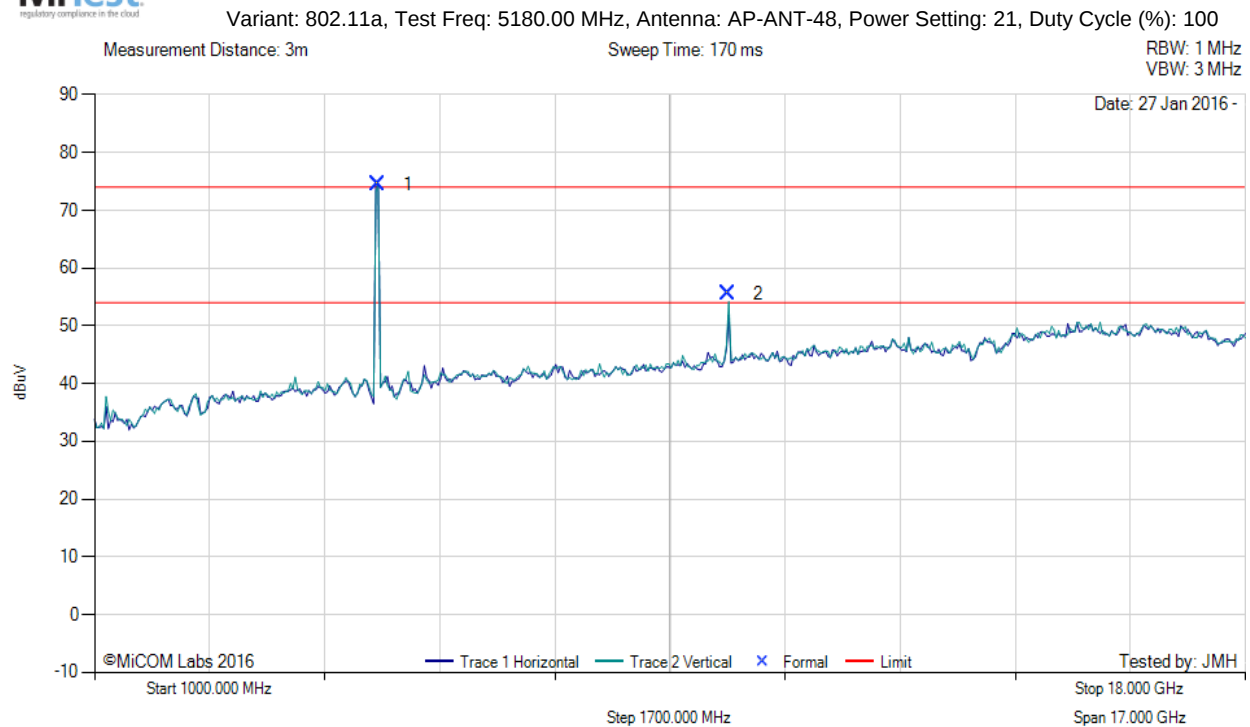


Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 225 of 350

A.1.1.7. AP-ANT-48



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5181.80	82.36	3.69	-11.50	74.55	Fundamental	Horizontal	101	1	--	--	
2	10355.71	55.31	5.54	-5.28	55.57	Peak (NRB)	Vertical	101	275	--	--	Pass

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

[back to matrix](#)

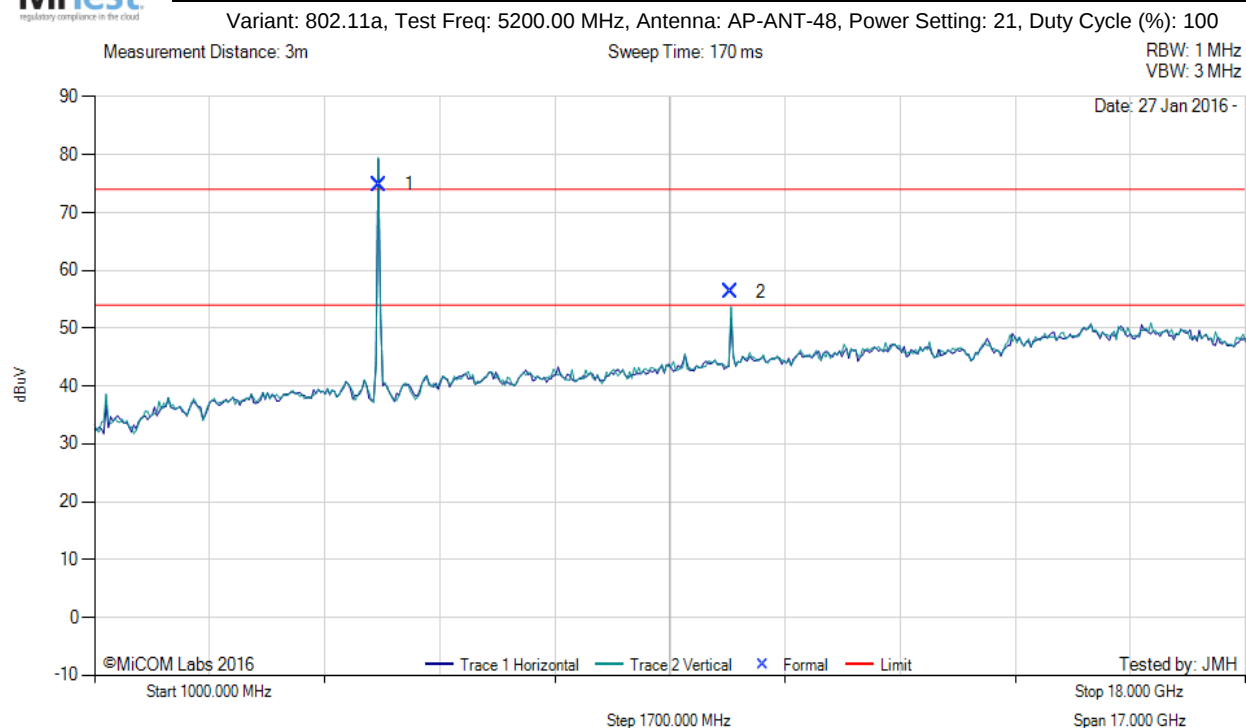
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 226 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5201.80	82.63	3.66	-11.46	74.83	Fundamental	Vertical	151	0	--	--	
2	10395.72	55.91	5.37	-5.06	56.22	Peak (NRB)	Vertical	151	158	--	--	Pass

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

[back to matrix](#)

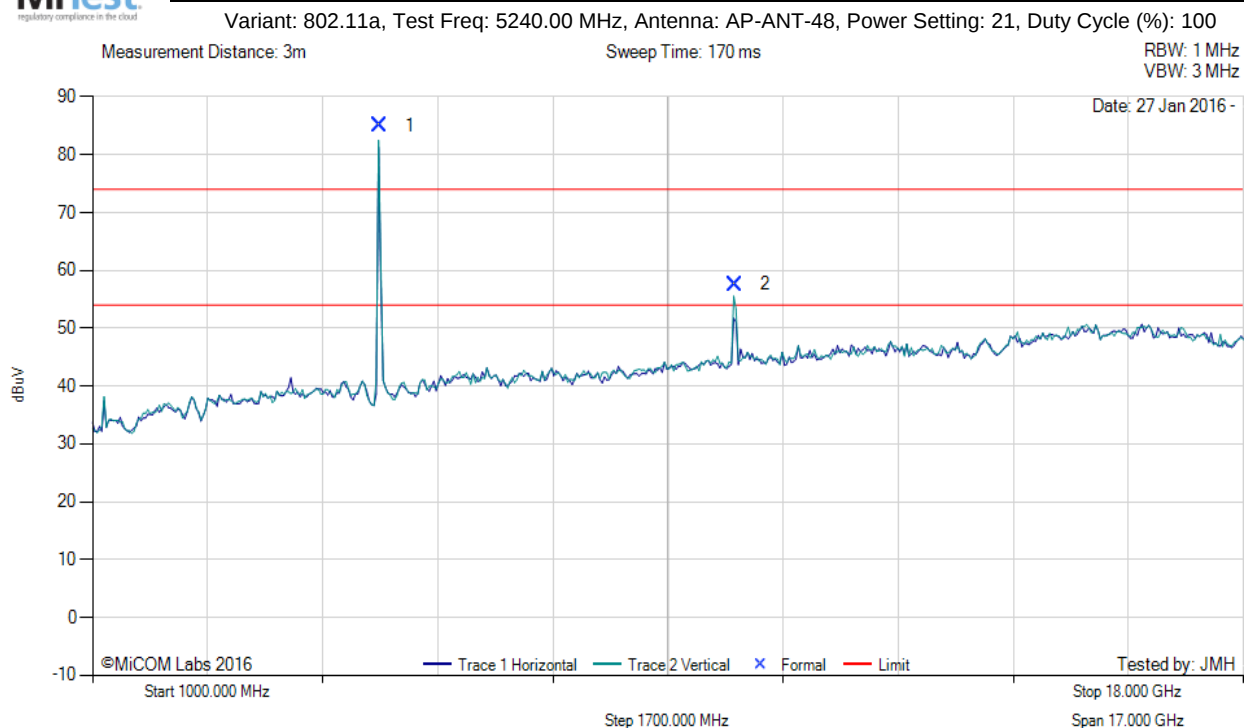
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 227 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5242.53	92.76	3.63	-11.36	85.03	Fundamental	Vertical	151	1	--	--	
2	10485.17	56.63	5.41	-4.42	57.62	Peak (NRB)	Vertical	151	1	--	--	Pass

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

[back to matrix](#)

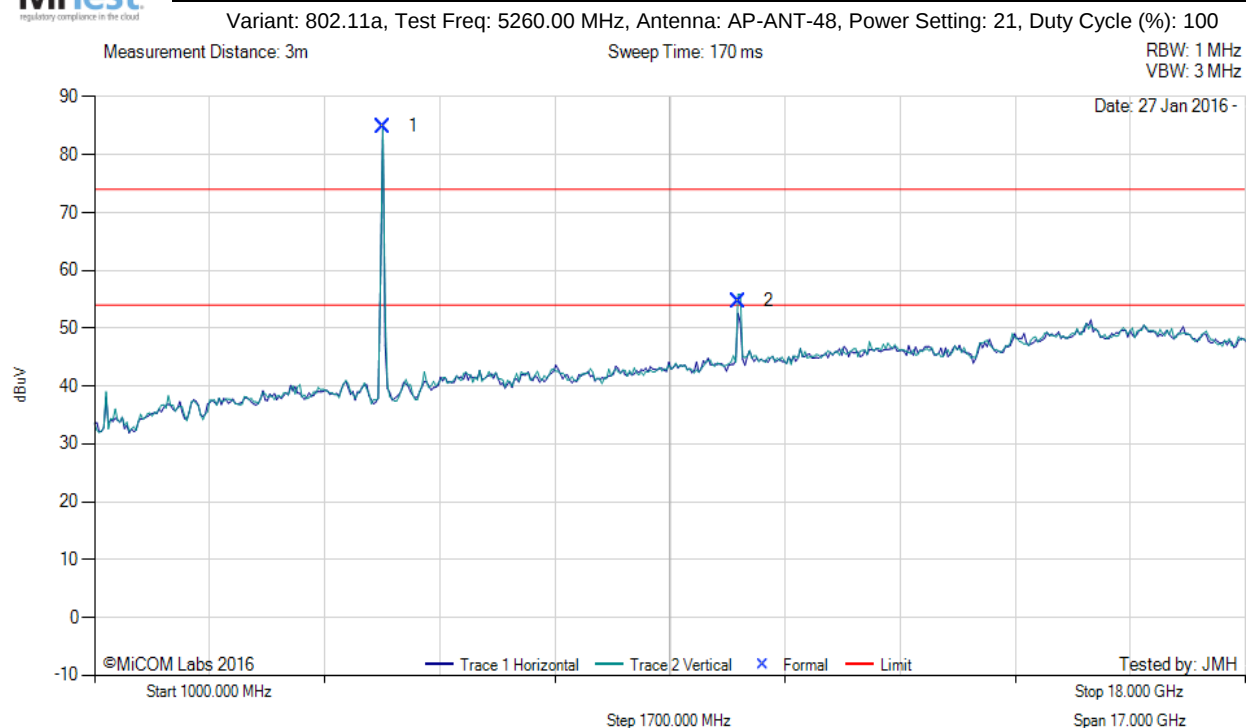
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 228 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5266.82	92.45	3.68	-11.25	84.88	Fundamental	Vertical	101	1	--	--	
2	10512.55	53.51	5.47	-4.24	54.74	Peak (NRB)	Vertical	101	32	--	--	Pass

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

[back to matrix](#)

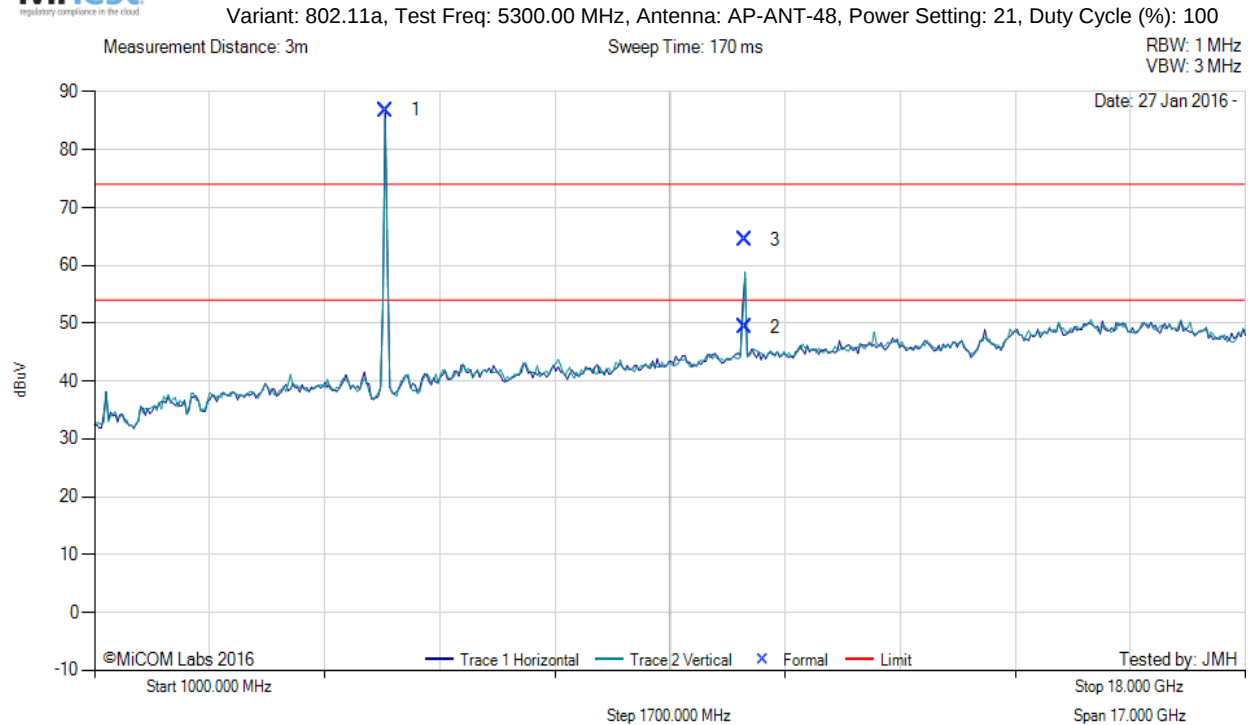
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 229 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5298.80	94.08	3.81	-11.09	86.80	Fundamental	Horizontal	100	0	--	--	
2	10600.52	47.61	5.58	-3.93	49.26	Max Avg	Vertical	196	283	54.0	-4.7	Pass
3	10600.52	62.74	5.58	-3.93	64.39	Max Peak	Vertical	196	283	74.0	-9.6	Pass

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

[back to matrix](#)

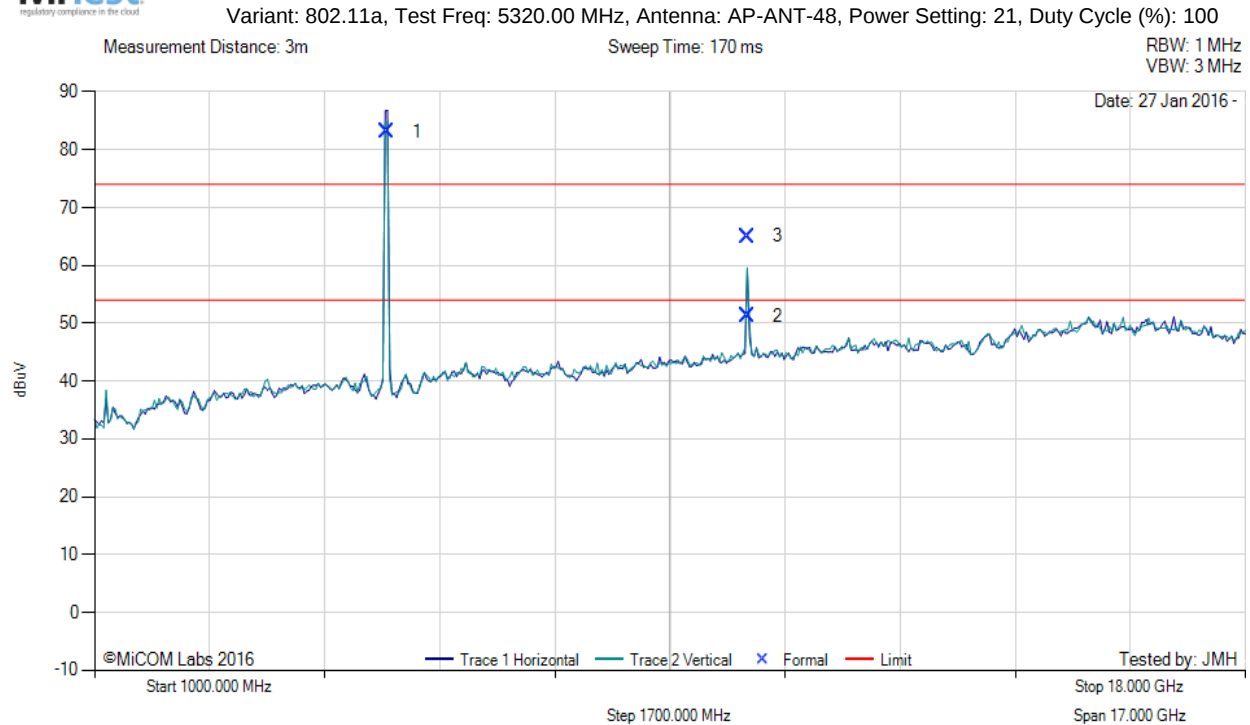
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 230 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5318.16	90.36	3.75	-11.07	83.04	Fundamental	Horizontal	101	1	--	--	
2	10637.35	49.74	5.45	-3.89	51.30	Max Avg	Vertical	177	315	54.0	-2.7	Pass
3	10637.35	63.42	5.45	-3.89	64.98	Max Peak	Vertical	177	315	74.0	-9.0	Pass

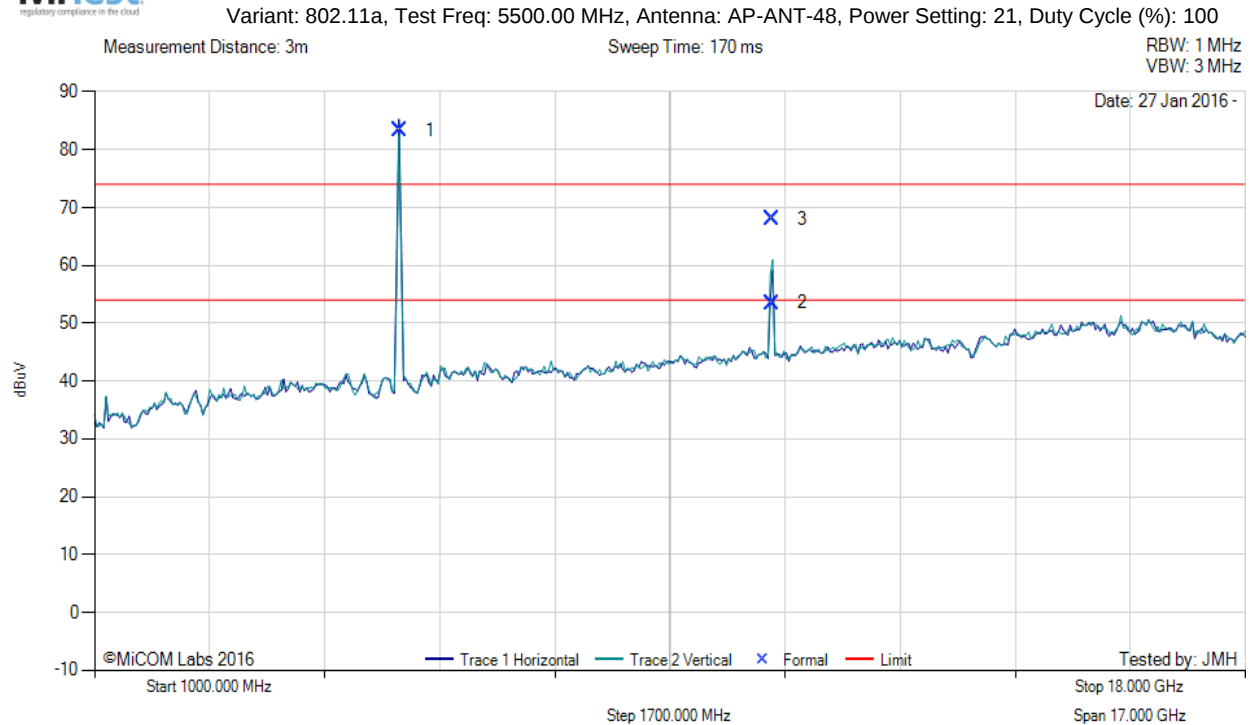
Test Notes: EUT on 150cm Table powered by PDSine 9001GR.

[back to matrix](#)

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



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



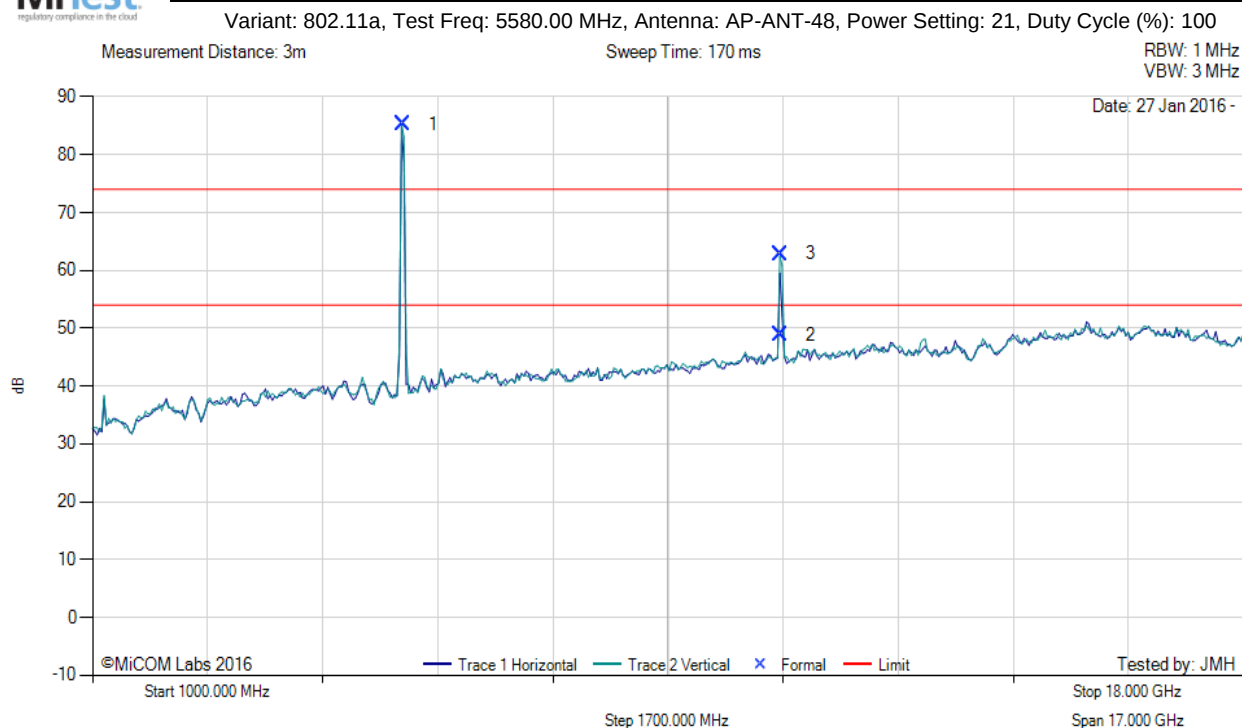
Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5501.68	90.78	3.75	-11.17	83.36	Fundamental	Horizontal	101	1	--	--	
2	11000.52	52.16	5.59	-4.24	53.51	Max Avg	Vertical	188	315	54.0	-0.5	Pass
3	11000.52	66.64	5.59	-4.24	67.99	Max Peak	Vertical	188	315	74.0	-6.0	Pass

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

[back to matrix](#)



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5578.48	92.68	3.81	-11.20	85.29	Fundamental	Vertical	101	1	--	--	
2	11154.99	46.94	5.93	-4.05	48.82	Max Avg	Vertical	158	246	54.0	-5.2	Pass
3	11154.99	60.96	5.93	-4.05	62.84	Max Peak	Vertical	158	246	74.0	-11.2	Pass

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

[back to matrix](#)



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: AP-ANT-48, Power Setting: 15, Duty Cycle (%): 100

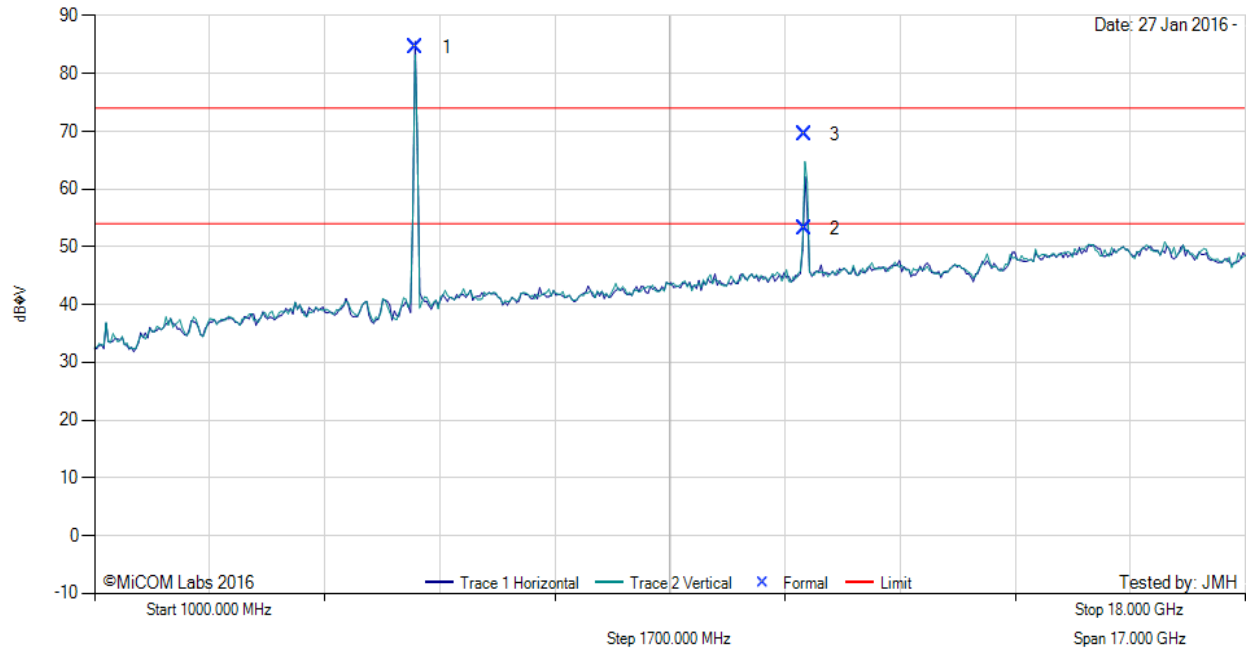
Measurement Distance: 3m

Sweep Time: 170 ms

RBW: 1 MHz

VBW: 3 MHz

Date: 27 Jan 2016 -



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5749.14	91.39	3.85	-10.63	84.61	Fundamental	Horizontal	101	1	--	--	
2	11480.36	52.59	5.49	-4.87	53.21	Max Avg	Vertical	193	284	54.0	-0.8	Pass
3	11480.36	68.85	5.49	-4.87	69.47	Max Peak	Vertical	193	284	74.0	-4.5	Pass

Test Notes: EUT on 150cm Table powered by PDSine 9001GR. Power reduced to 15 due to 11.4 GHz Harmonic

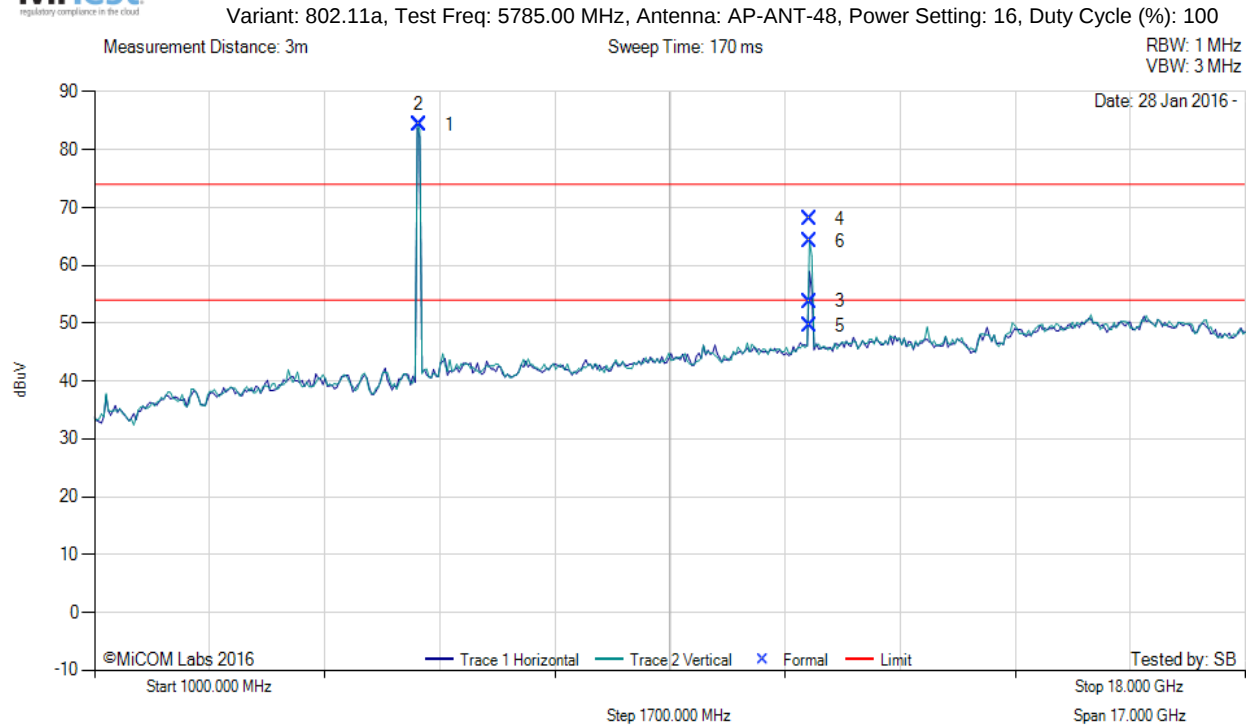
[back to matrix](#)



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 234 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5791.10	90.93	3.79	-10.41	84.31	Fundamental	Horizontal	101	1	--	--	
2	5791.10	90.93	3.79	-10.41	84.31	Peak (NRB)	Horizontal	101	1	--	--	Pass
3	11564.73	52.84	5.56	-4.65	53.75	Max Avg	Vertical	141	260	54.0	-0.3	Pass
4	11564.73	67.14	5.56	-4.65	68.05	Max Peak	Vertical	141	260	74.0	-6.0	Pass
5	11564.73	48.69	5.56	-4.65	49.60	Max Avg	Horizontal	114	255	54.0	-4.4	Pass
6	11564.73	63.32	5.56	-4.65	64.23	Max Peak	Horizontal	114	255	74.0	-9.8	Pass

[back to matrix](#)

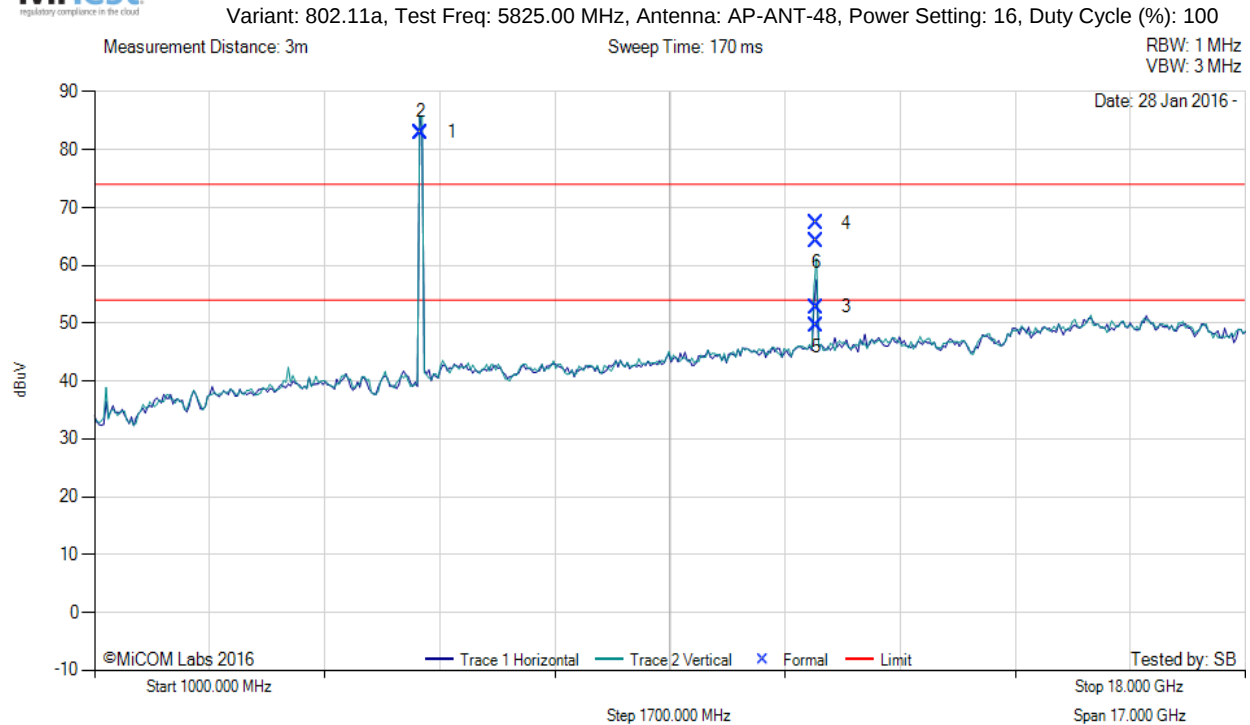
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 235 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5823.73	89.40	3.83	-10.25	82.98	Fundamental	Horizontal	101	1	--	--	
2	5823.73	89.43	3.83	-10.25	83.01	Peak (NRB)	Horizontal	101	1	--	--	Pass
3	11658.04	51.70	5.59	-4.45	52.84	Max Avg	Vertical	119	296	54.0	-1.2	Pass
4	11658.04	66.11	5.59	-4.45	67.25	Max Peak	Vertical	119	296	74.0	-6.8	Pass
5	11658.04	48.41	5.59	-4.45	49.55	Max Avg	Horizontal	103	261	54.0	-4.5	Pass
6	11658.04	63.02	5.59	-4.45	64.16	Max Peak	Horizontal	103	261	74.0	-9.8	Pass

[back to matrix](#)

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

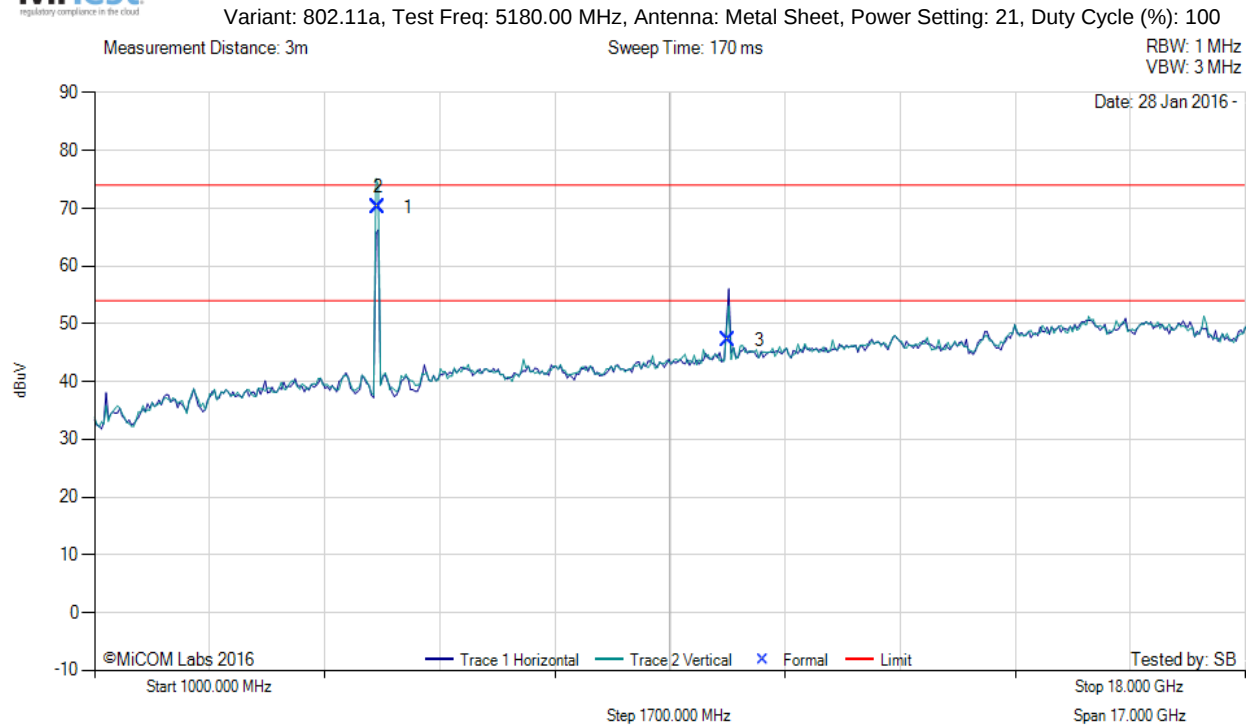


Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 236 of 350

A.1.1.8. Metal Sheet (Integral)



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5186.57	78.04	3.68	-11.49	70.23	Fundamental	Vertical	101	1	--	--	
2	5186.57	78.04	3.68	-11.49	70.23	Peak (NRB)	Vertical	101	1	--	--	Pass
3	10366.38	46.80	5.59	-5.23	47.16	Peak (NRB)	Horizontal	101	1	--	--	Pass

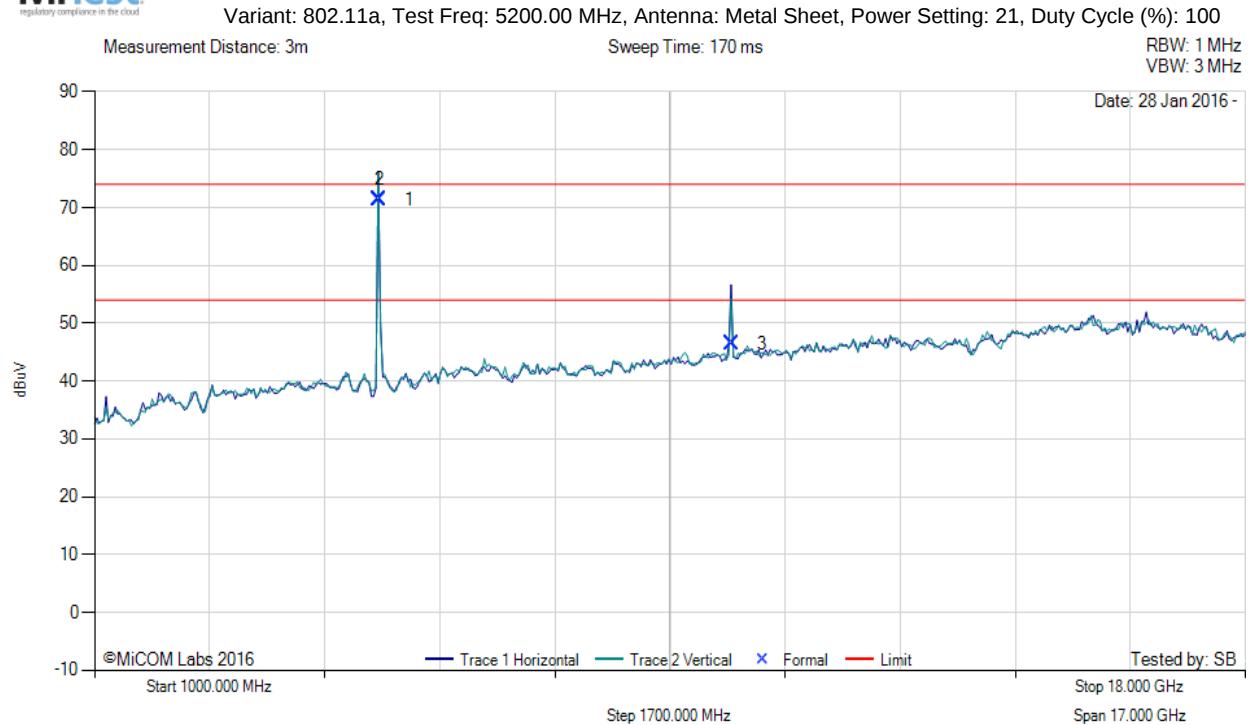
Test Notes: EUT on 150cm table powered by PDSine 9001GR POE

[back to matrix](#)

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



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



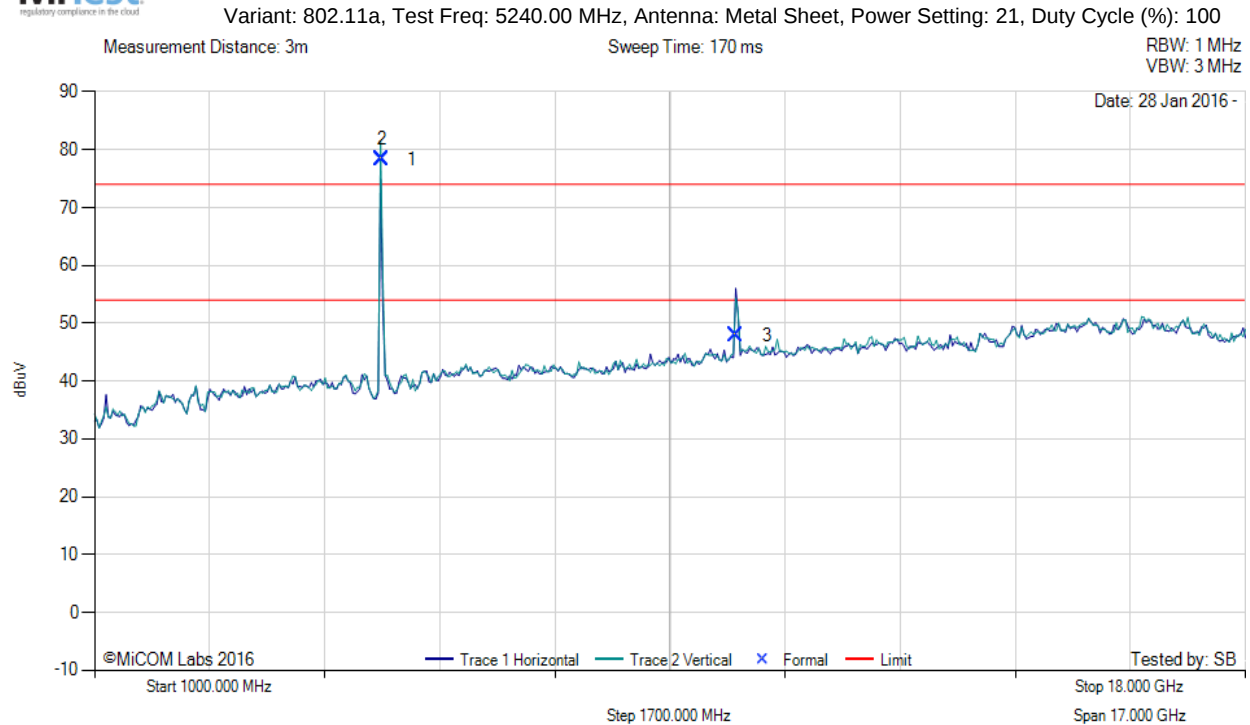
Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5203.81	79.18	3.65	-11.45	71.38	Fundamental	Horizontal	101	1	--	--	
2	5203.81	79.18	3.65	-11.45	71.38	Peak (NRB)	Horizontal	101	1	--	--	Pass
3	10407.70	46.02	5.47	-4.98	46.51	Peak (NRB)	Horizontal	101	1	--	--	Pass

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

[back to matrix](#)



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



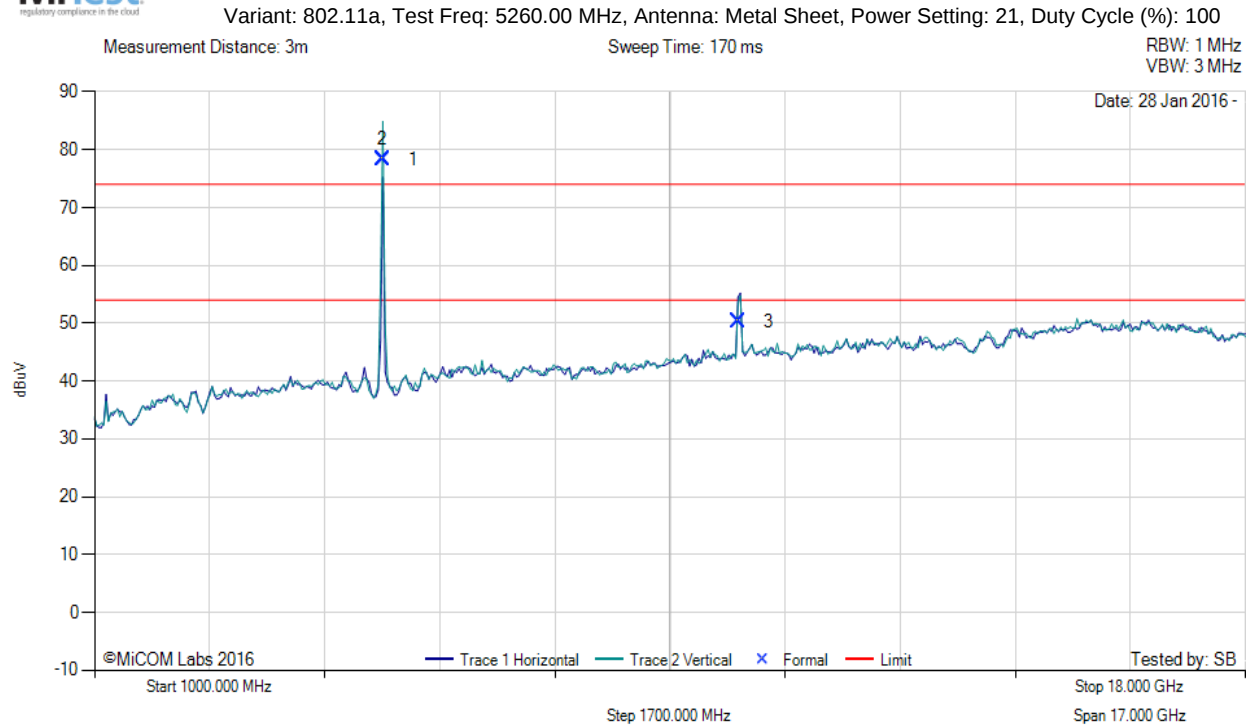
Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5247.22	86.02	3.63	-11.35	78.30	Fundamental	Vertical	101	1	--	--	
2	5247.22	86.02	3.63	-11.35	78.30	Peak (NRB)	Vertical	101	1	--	--	Pass
3	10480.16	47.00	5.42	-4.46	47.96	Peak (NRB)	Horizontal	101	1	--	--	Pass

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

[back to matrix](#)



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5255.83	86.01	3.64	-11.31	78.34	Fundamental	Vertical	101	0	--	--	
2	5255.83	86.01	3.64	-11.31	78.34	Peak (NRB)	Vertical	101	0	--	--	Pass
3	10510.90	48.99	5.48	-4.26	50.21	Peak (NRB)	Horizontal	101	0	--	--	Pass

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

[back to matrix](#)



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 240 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

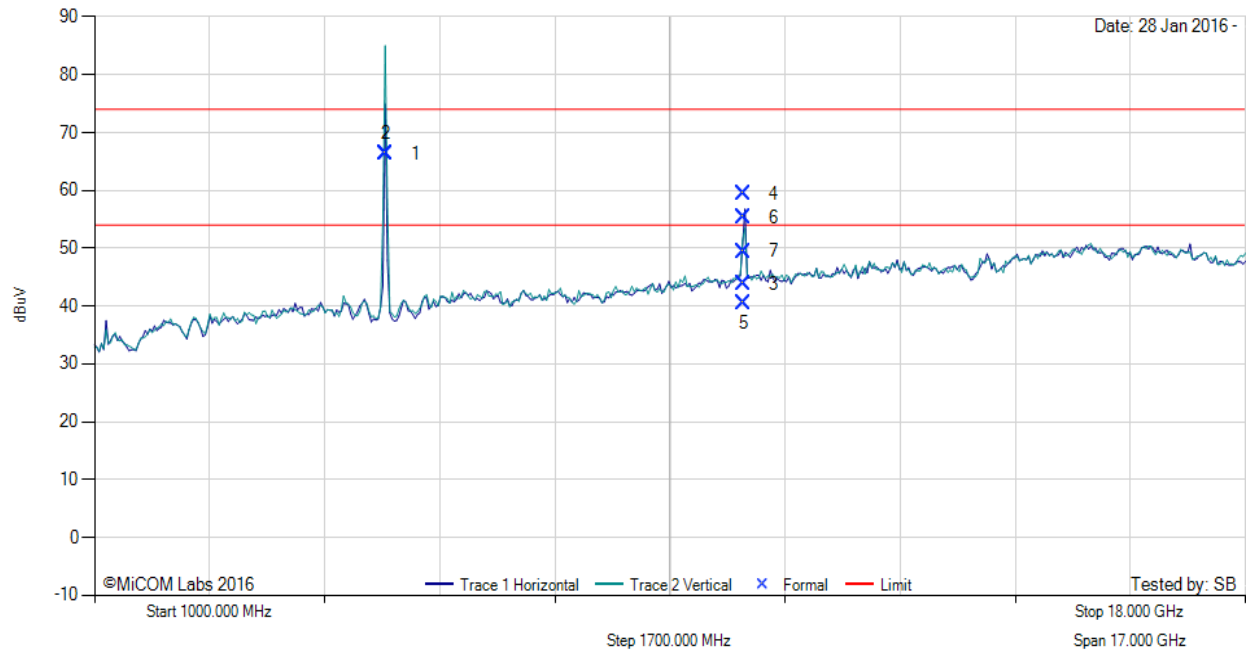
Variant: 802.11a, Test Freq: 5300.00 MHz, Antenna: Metal Sheet, Power Setting: 21, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 170 ms

RBW: 1 MHz
VBW: 3 MHz

Date: 28 Jan 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5299.44	73.60	3.81	-11.09	66.32	Fundamental	Vertical	101	1	--	--	
2	5299.44	73.60	3.81	-11.09	66.32	Peak (NRB)	Vertical	101	1	--	--	Pass
3	10587.81	42.05	5.71	-3.95	43.81	Max Avg	Horizontal	166	78	54.0	-10.2	Pass
4	10587.81	57.61	5.71	-3.95	59.37	Max Peak	Horizontal	166	78	74.0	-14.6	Pass
5	10587.81	38.80	5.71	-3.95	40.56	Max Avg	Vertical	111	0	54.0	-13.4	Pass
6	10587.81	53.55	5.71	-3.95	55.31	Max Peak	Vertical	111	0	74.0	-18.7	Pass
7	10587.81	47.67	5.71	-3.95	49.43	Peak (NRB)	Horizontal	101	1	--	--	Pass

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

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 241 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5320.00 MHz, Antenna: Metal Sheet, Power Setting: 21, Duty Cycle (%): 100

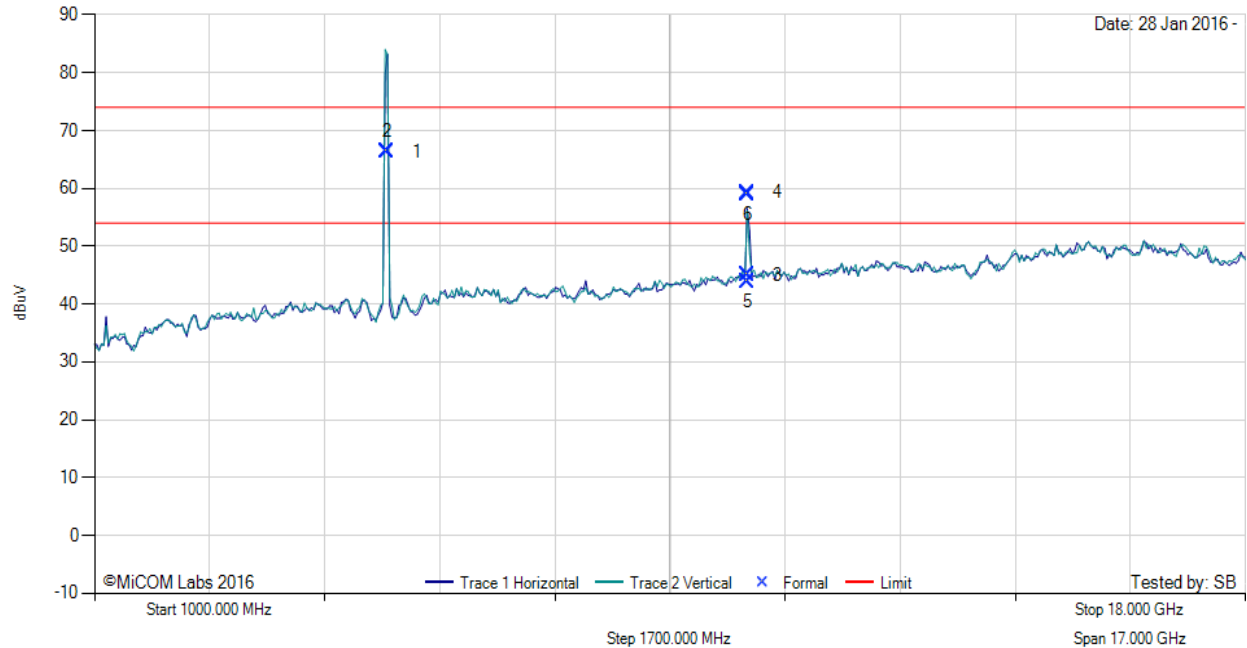
Measurement Distance: 3m

Sweep Time: 170 ms

RBW: 1 MHz

VBW: 3 MHz

Date: 28 Jan 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5323.77	73.63	3.74	-11.06	66.31	Fundamental	Vertical	101	1	--	--	
2	5323.77	73.63	3.74	-11.06	66.31	Peak (NRB)	Vertical	101	1	--	--	Pass
3	10645.89	43.55	5.30	-3.90	44.95	Max Avg	Horizontal	122	48	54.0	-9.1	Pass
4	10645.89	57.89	5.30	-3.90	59.29	Max Peak	Horizontal	122	48	74.0	-14.7	Pass
5	10645.89	42.55	5.30	-3.90	43.95	Max Avg	Vertical	122	65	54.0	-10.1	Pass
6	10645.89	57.64	5.30	-3.90	59.04	Max Peak	Vertical	122	65	74.0	-15.0	Pass

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

[back to matrix](#)

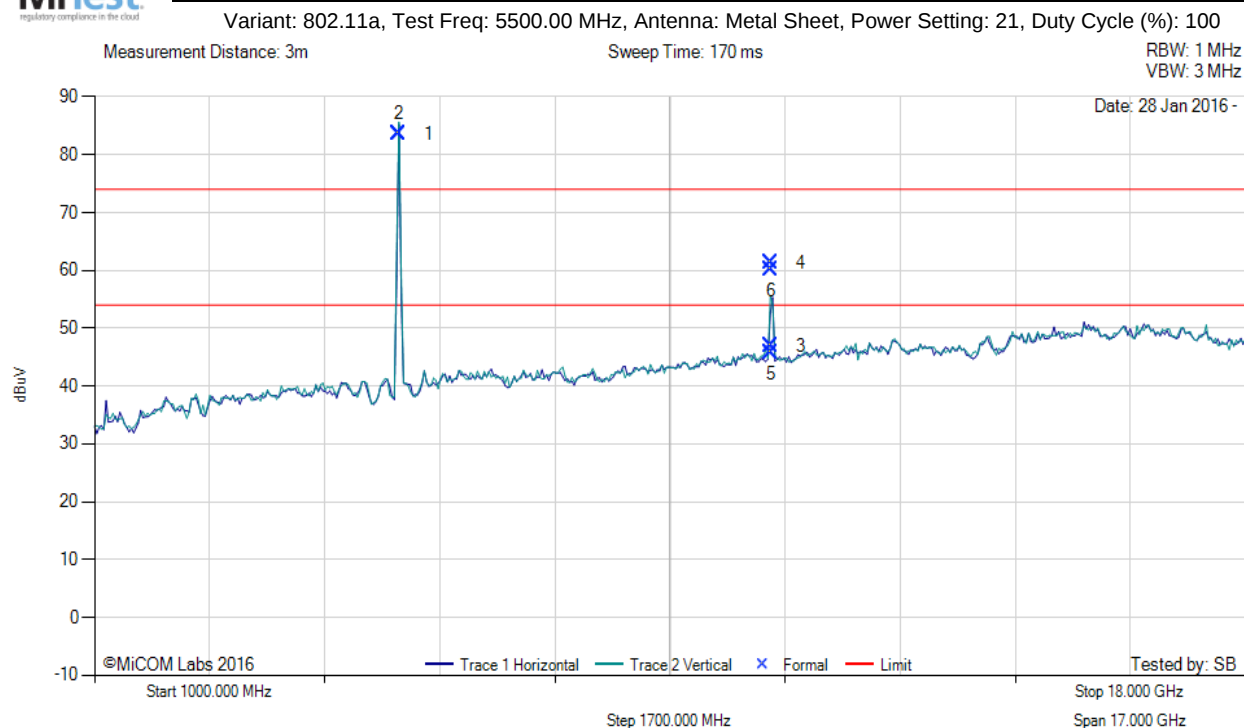
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 242 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5492.46	91.04	3.71	-11.18	83.57	Fundamental	Horizontal	101	1	--	--	
2	5492.46	91.04	3.71	-11.18	83.57	Peak (NRB)	Horizontal	101	1	--	--	Pass
3	10993.18	45.66	5.60	-4.26	47.00	Max Avg	Horizontal	100	50	54.0	-7.0	Pass
4	10993.18	59.91	5.60	-4.26	61.25	Max Peak	Horizontal	100	50	74.0	-12.8	Pass
5	10993.18	44.42	5.60	-4.26	45.76	Max Avg	Vertical	100	19	54.0	-8.2	Pass
6	10993.18	58.75	5.60	-4.26	60.09	Max Peak	Vertical	100	19	74.0	-13.9	Pass

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

[back to matrix](#)

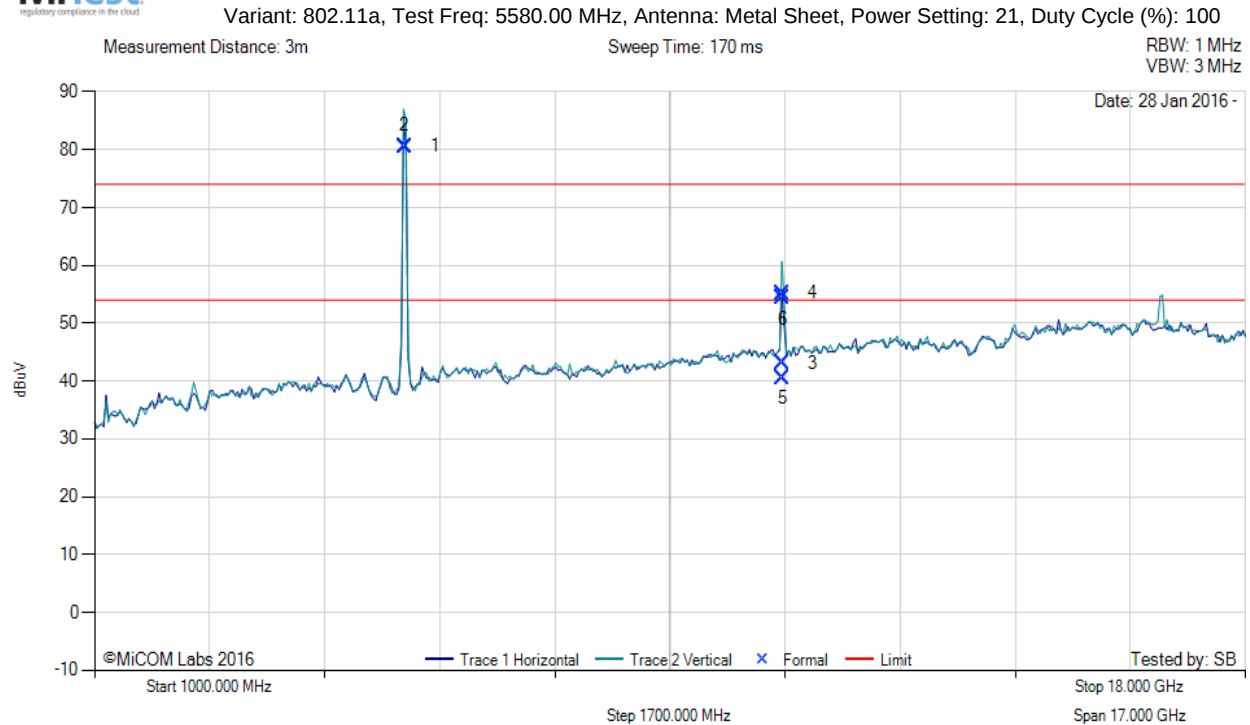
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 243 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5578.28	87.99	3.81	-11.20	80.60	Fundamental	Horizontal	101	1	--	--	
2	5578.28	87.99	3.81	-11.20	80.60	Peak (NRB)	Horizontal	101	1	--	--	Pass
3	11159.51	41.38	5.85	-4.07	43.16	Max Avg	Vertical	144	20	54.0	-10.8	Pass
4	11159.51	53.46	5.85	-4.07	55.24	Max Peak	Vertical	144	20	74.0	-18.8	Pass
5	11159.51	38.83	5.85	-4.07	40.61	Max Avg	Horizontal	190	351	54.0	-13.4	Pass
6	11159.51	52.55	5.85	-4.07	54.33	Max Peak	Horizontal	190	351	74.0	-19.7	Pass

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

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 244 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5720.00 MHz, Antenna: Metal Sheet, Power Setting: 21, Duty Cycle (%): 100

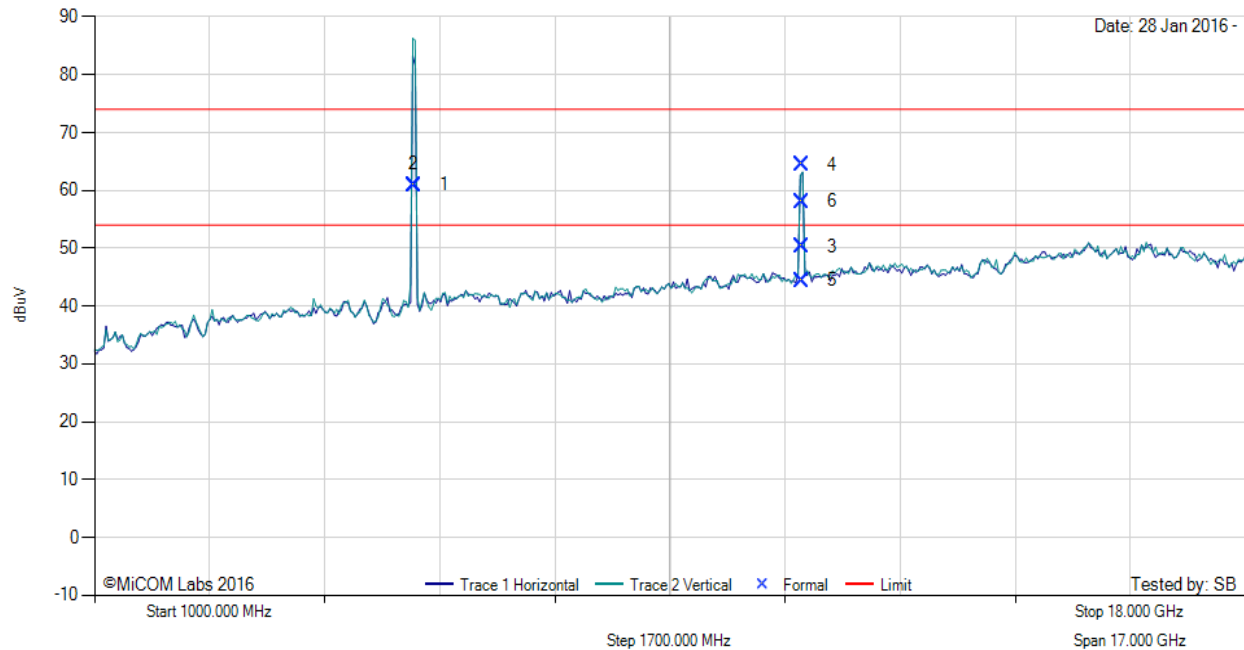
Measurement Distance: 3m

Sweep Time: 170 ms

RBW: 1 MHz

VBW: 3 MHz

Date: 28 Jan 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5715.75	67.90	3.81	-10.76	60.95	Fundamental	Vertical	101	1	--	--	
2	5715.75	67.90	3.81	-10.76	60.95	Peak (NRB)	Vertical	101	1	--	--	Pass
3	11445.21	49.83	5.40	-4.92	50.31	Max Avg	Horizontal	166	75	54.0	-3.7	Pass
4	11445.21	64.01	5.40	-4.92	64.49	Max Peak	Horizontal	166	75	74.0	-9.5	Pass
5	11445.21	43.96	5.40	-4.92	44.44	Max Avg	Vertical	100	355	54.0	-9.6	Pass
6	11445.21	57.60	5.40	-4.92	58.08	Max Peak	Vertical	100	355	74.0	-15.9	Pass

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

[back to matrix](#)

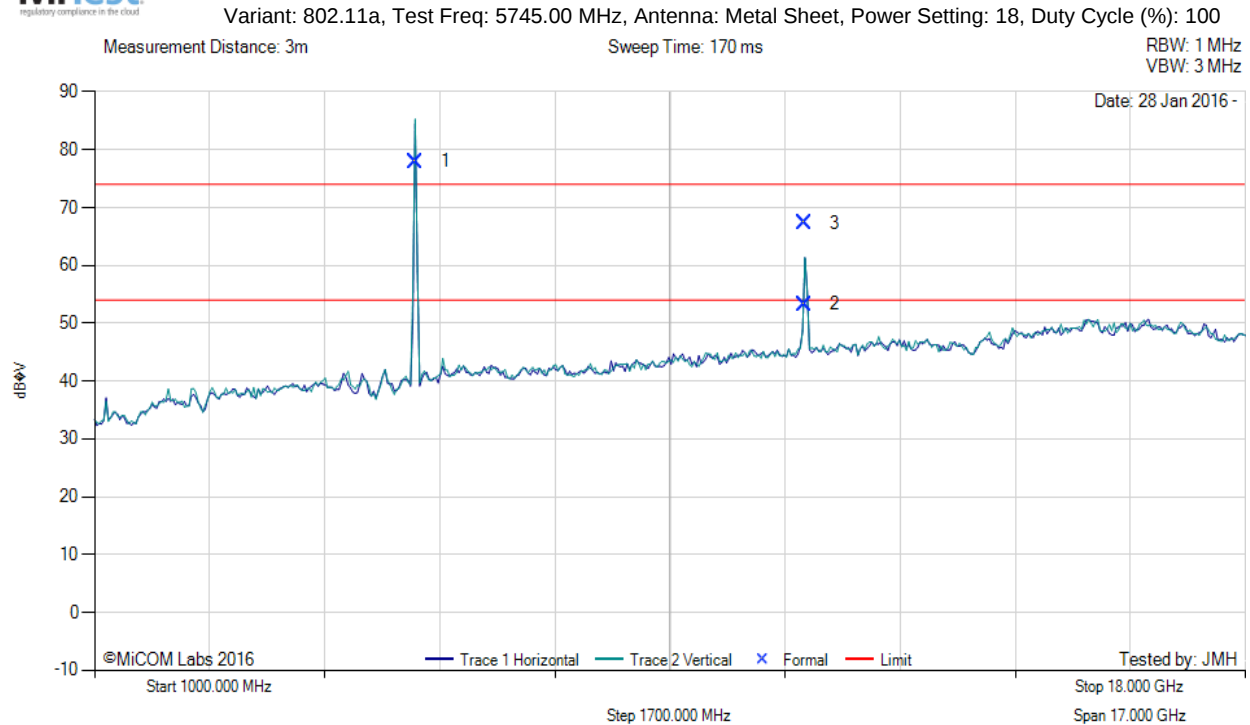
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 245 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5739.92	84.79	3.83	-10.67	77.95	Fundamental	Horizontal	101	0	--	--	
2	11489.10	52.66	5.45	-4.85	53.26	Max Avg	Horizontal	195	67	54.0	-0.7	Pass
3	11489.10	66.66	5.45	-4.85	67.26	Max Peak	Horizontal	195	67	74.0	-6.7	Pass

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

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 246 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS

Variant: 802.11a, Test Freq: 5785.00 MHz, Antenna: Metal Sheet, Power Setting: 17, Duty Cycle (%): 100

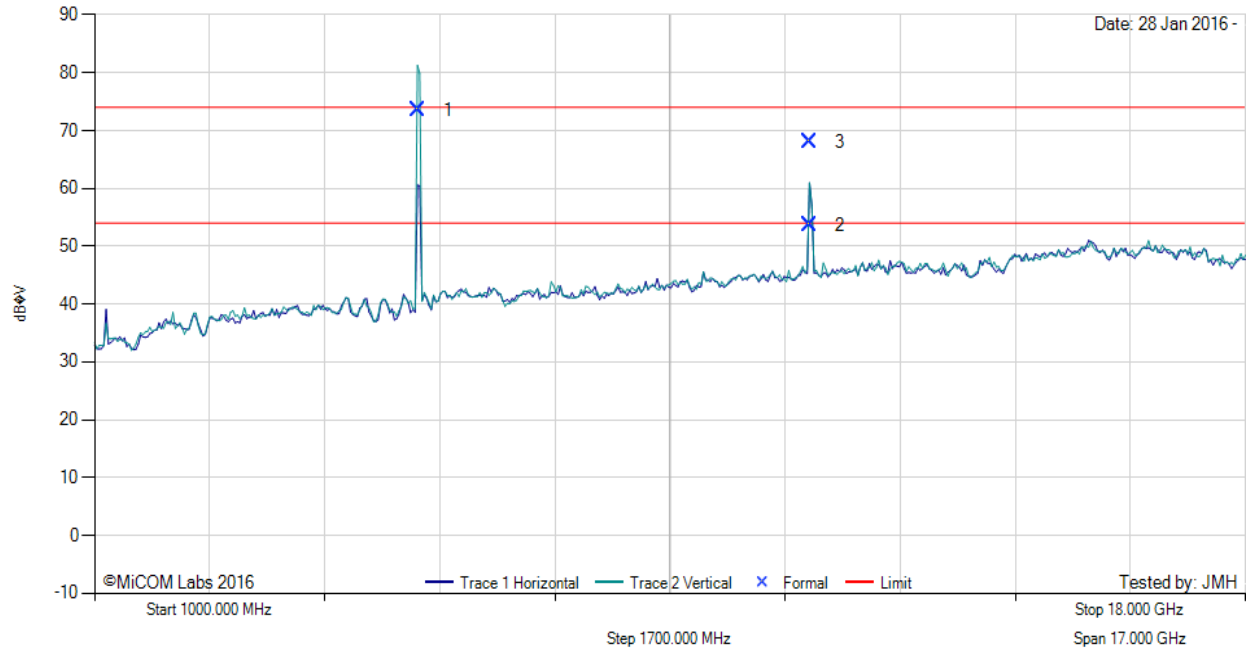
Measurement Distance: 3m

Sweep Time: 170 ms

RBW: 1 MHz

VBW: 3 MHz

Date: 28 Jan 2016 -



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5781.72	80.12	3.80	-10.46	73.46	Fundamental	Vertical	101	1	--	--	
2	11568.98	52.87	5.48	-4.65	53.70	Max Avg	Horizontal	195	68	54.0	-0.3	Pass
3	11568.98	67.17	5.48	-4.65	68.00	Max Peak	Horizontal	195	68	74.0	-6.0	Pass

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

[back to matrix](#)

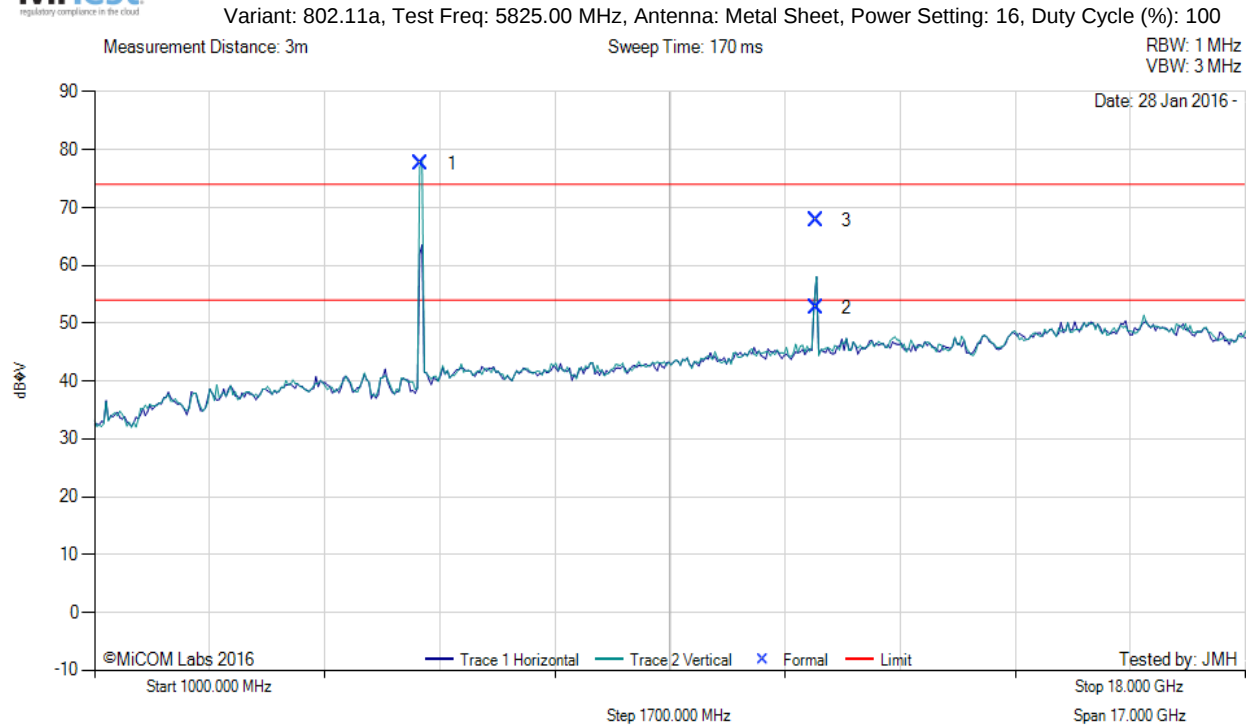
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 247 of 350



RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5823.13	83.98	3.83	-10.25	77.56	Fundamental	Vertical	199	1	--	--	
2	11650.62	51.71	5.46	-4.47	52.70	Max Avg	Horizontal	190	67	54.0	-1.3	Pass
3	11650.62	66.73	5.46	-4.47	67.72	Max Peak	Horizontal	190	67	74.0	-6.3	Pass

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

[back to matrix](#)

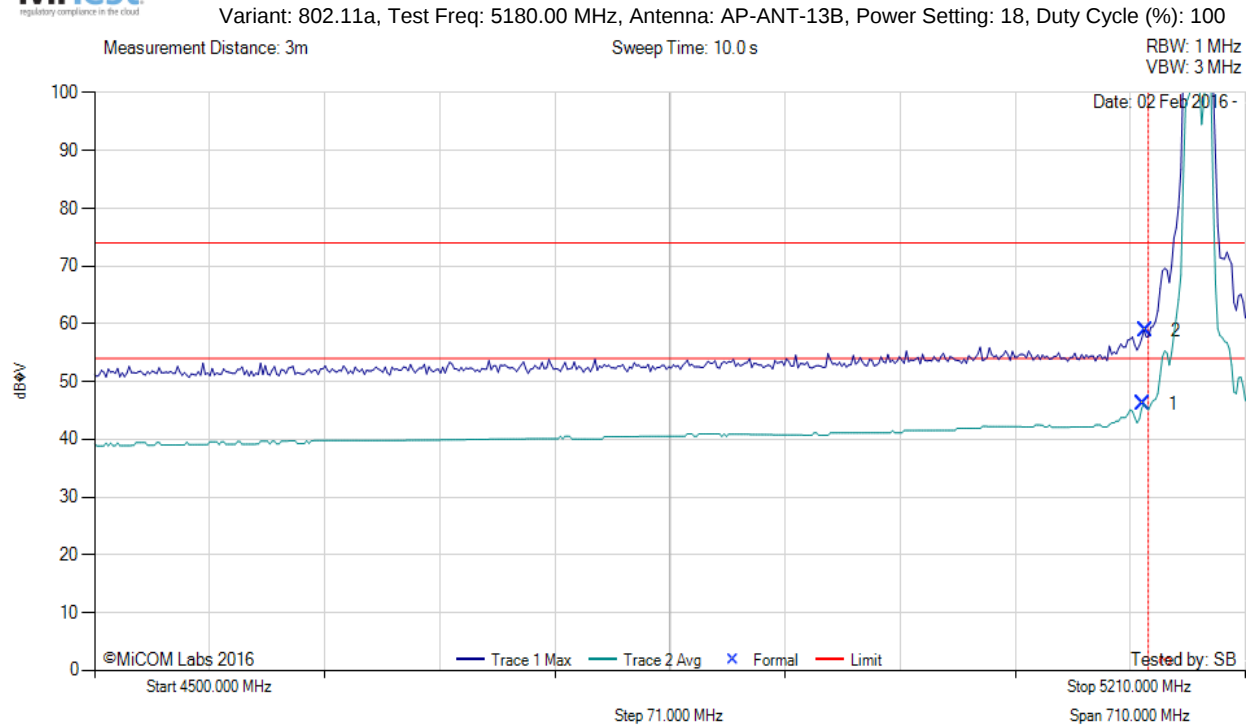
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.

A.1.2. Restricted Band-Edge Emissions

A.1.2.1. AP-ANT-13B



RESTRICTED LOWER BAND-EDGE EMISSIONS



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5146.99	8.29	3.68	34.11	46.08	Max Avg	Vertical	155	6	54.0	-7.9	Pass
2	5148.06	21.03	3.68	34.11	58.82	Max Peak	Vertical	155	6	74.0	-15.2	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 249 of 350



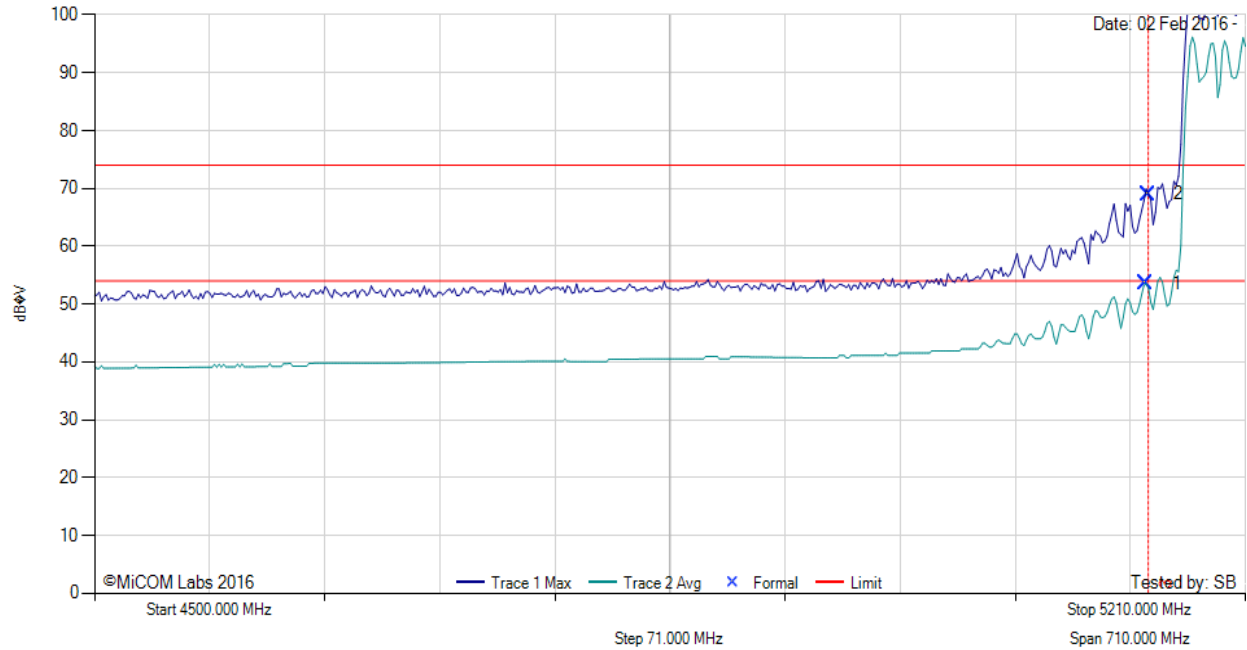
RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5210.00 MHz, Antenna: AP-ANT-13B, Power Setting: 15.5, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz
VBW: 3 MHz



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5148.70	15.76	3.67	34.11	53.54	Max Avg	Vertical	155	6	54.0	-0.5	Pass
2	5150.00	31.26	3.67	34.11	69.04	Max Peak	Vertical	155	6	74.0	-5.0	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 250 of 350



RESTRICTED LOWER BAND-EDGE EMISSIONS

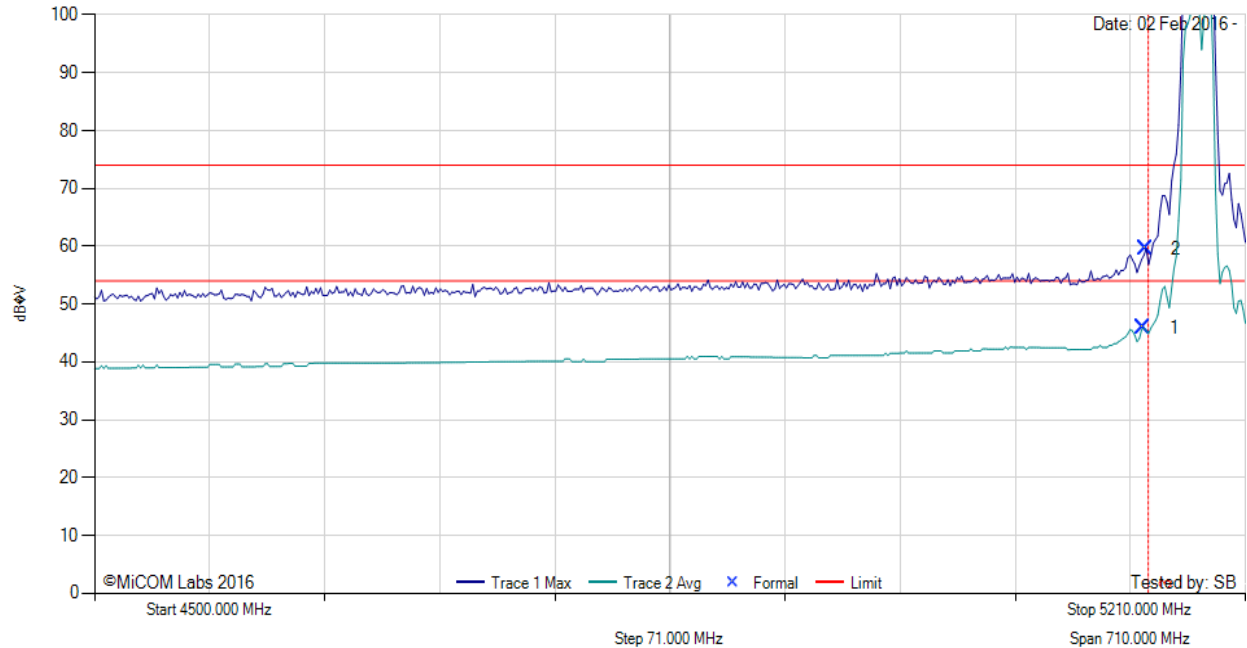
Variant: 802.11n HT-20, Test Freq: 5180.00 MHz, Antenna: AP-ANT-13B, Power Setting: 18, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5147.15	8.07	3.68	34.11	45.86	Max Avg	Vertical	155	6	54.0	-8.1	Pass
2	5148.58	21.83	3.67	34.11	59.61	Max Peak	Vertical	155	6	74.0	-14.4	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 251 of 350



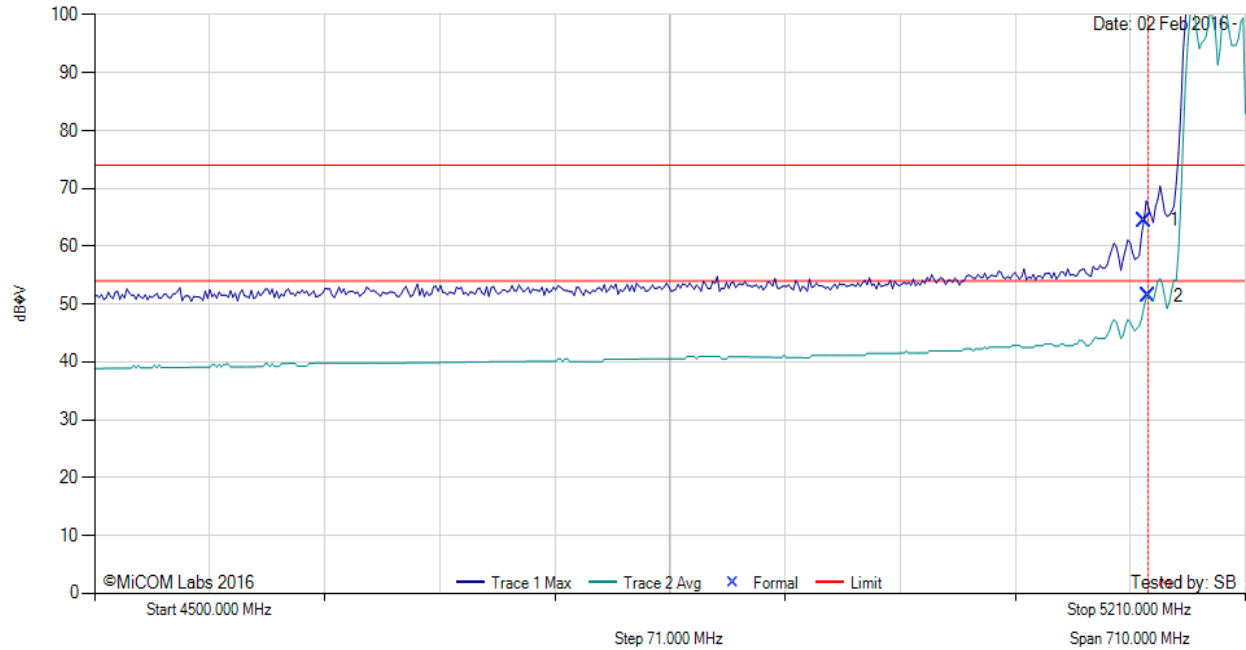
RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5190.00 MHz, Antenna: AP-ANT-13B, Power Setting: 17.5, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz
VBW: 3 MHz



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5147.39	26.71	3.68	34.11	64.50	Max Peak	Vertical	155	6	74.0	-9.5	Pass
2	5150.00	13.63	3.67	34.11	51.41	Max Avg	Vertical	155	6	54.0	-2.6	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 252 of 350



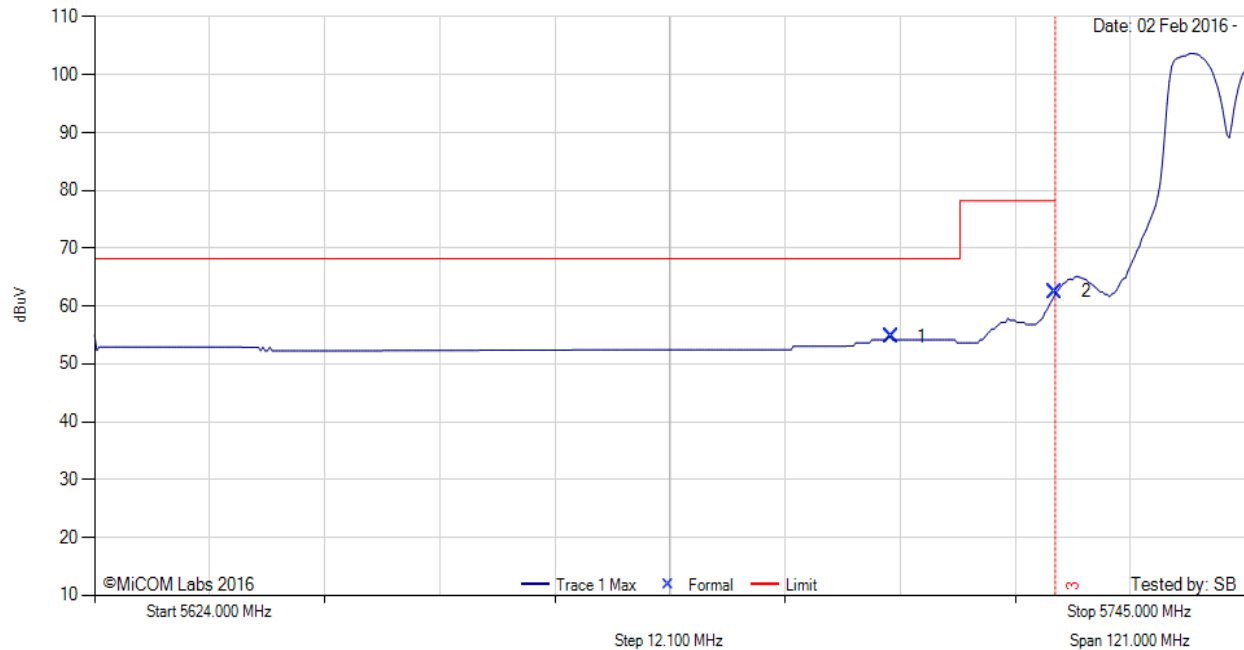
5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: AP-ANT-13B, Power Setting: 18, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz
VBW: 3 MHz



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5707.73	16.48	3.85	34.34	54.67	Marker	Vertical	147	-1	68.2	-13.6	Pass
2	5725.00	24.32	3.79	34.35	62.46	Marker	Vertical	147	-1	78.2	-15.8	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 253 of 350



5725 MHz RADIATED BAND-EDGE EMISSIONS

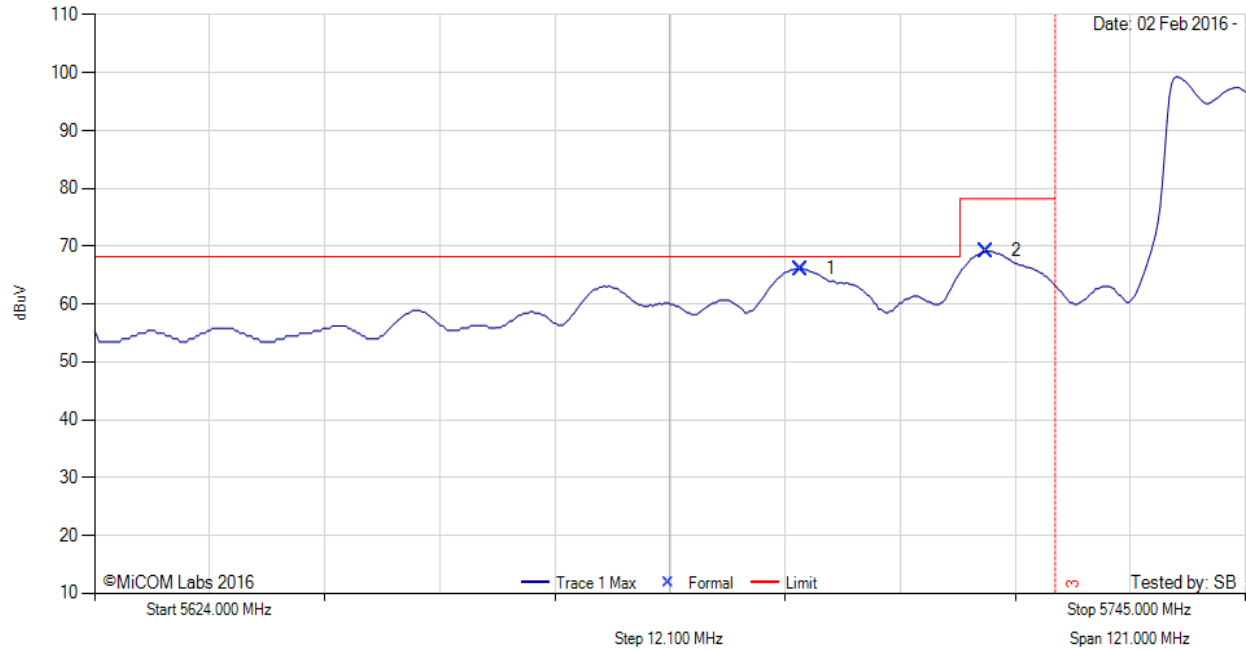
Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: AP-ANT-13B, Power Setting: 18, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5698.27	27.90	3.86	34.32	66.08	Marker	Vertical	147	-1	68.2	-2.2	Pass
2	5717.73	31.07	3.81	34.34	69.22	Marker	Vertical	147	-1	78.2	-9.0	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 254 of 350



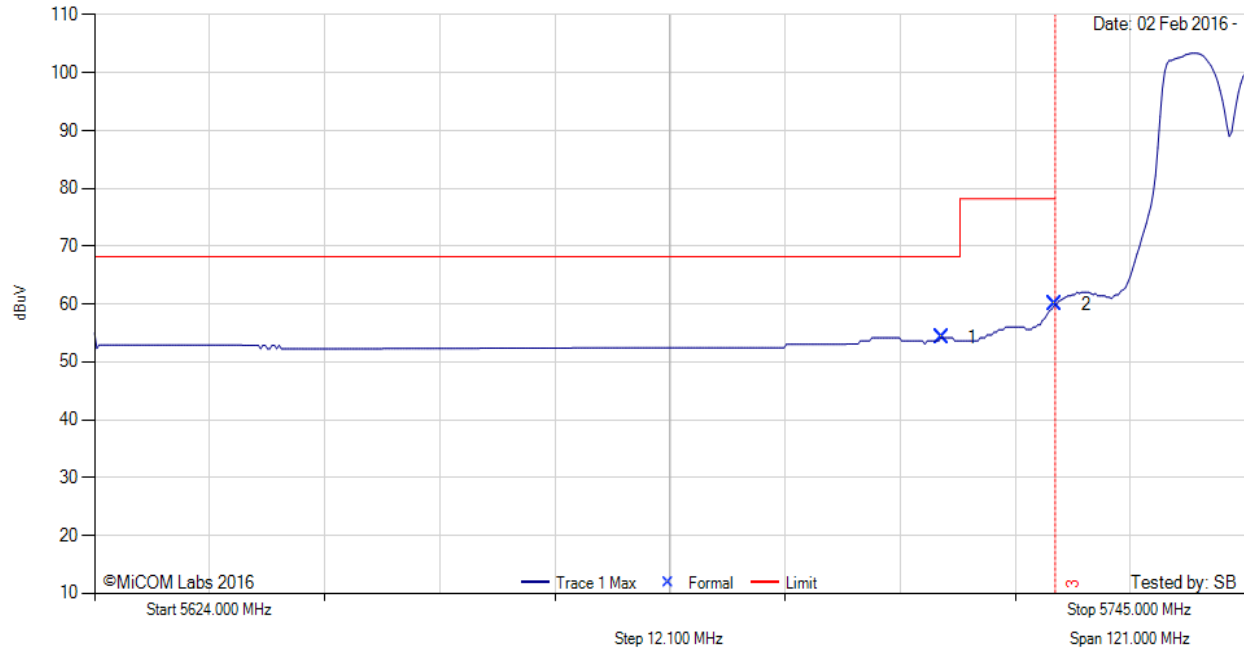
5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5745.00 MHz, Antenna: AP-ANT-13B, Power Setting: 18, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz
VBW: 3 MHz



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5713.06	16.02	3.82	34.34	54.18	Marker	Vertical	147	-1	68.2	-14.1	Pass
2	5725.00	21.82	3.79	34.35	59.96	Marker	Vertical	147	-1	78.2	-18.3	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 255 of 350



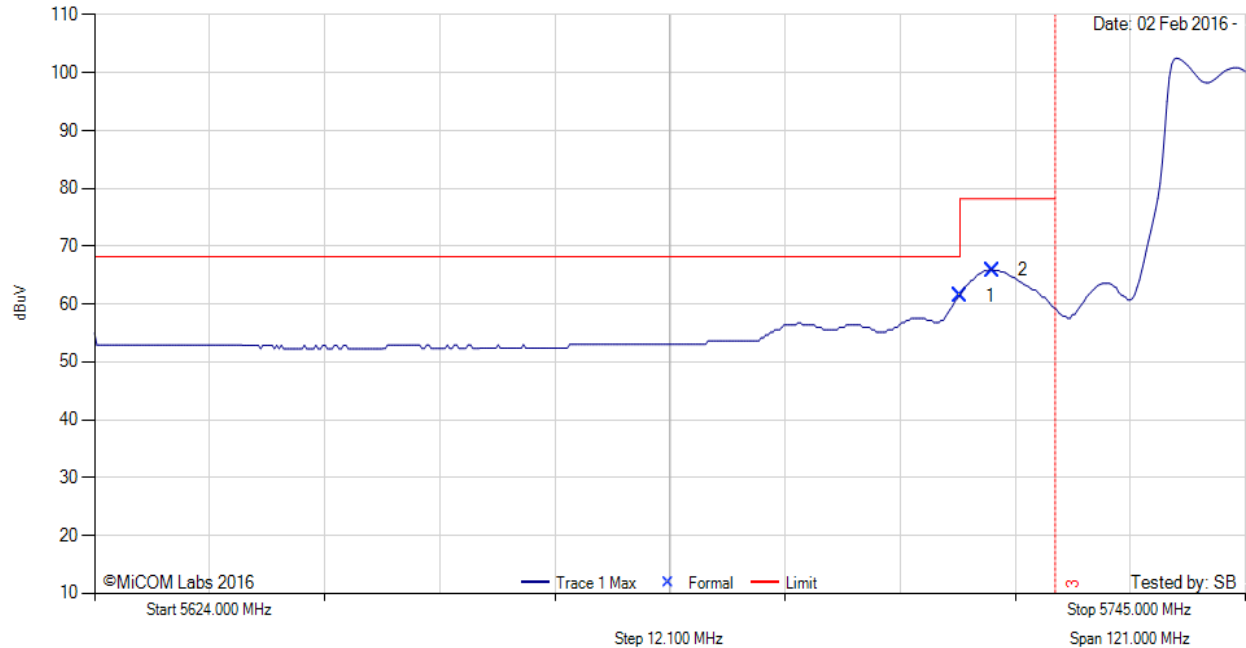
5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5755.00 MHz, Antenna: AP-ANT-13B, Power Setting: 18, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz
VBW: 3 MHz



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5715.00	23.24	3.81	34.34	61.39	Marker	Vertical	147	-1	68.2	-6.8	Pass
2	5718.45	27.68	3.81	34.34	65.83	Marker	Vertical	147	-1	78.2	-12.4	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 256 of 350



5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: AP-ANT-13B, Power Setting: 18, Duty Cycle (%): 100

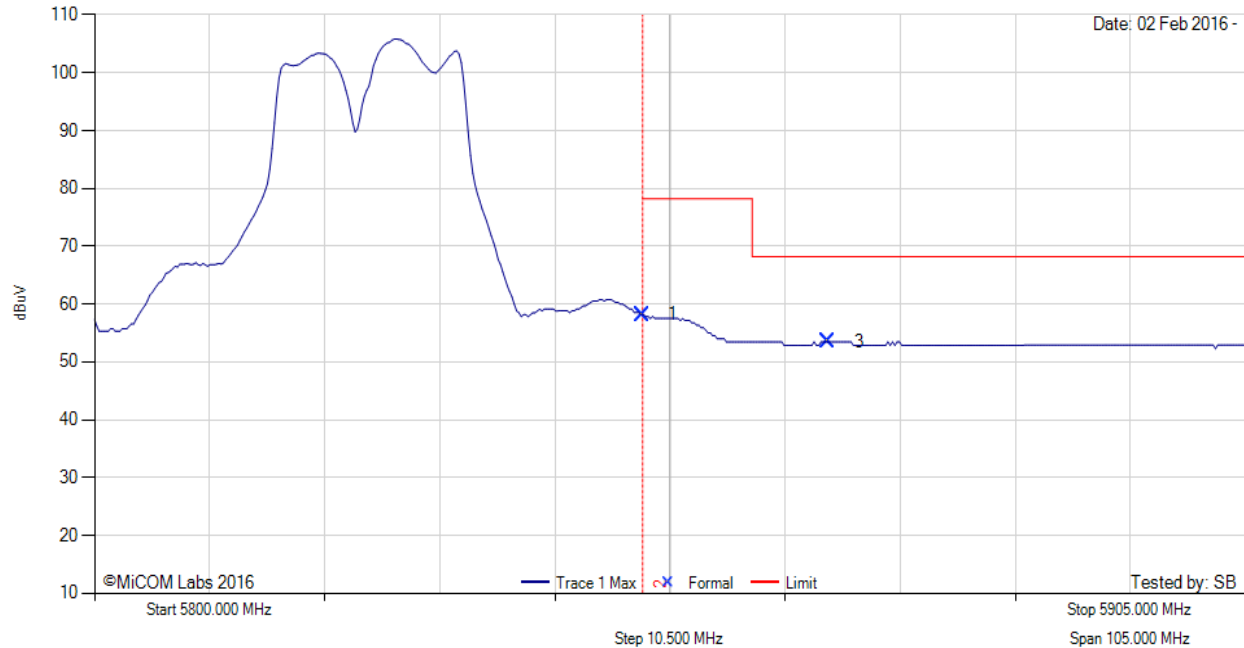
Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz

Date: 02 Feb 2016 -



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5850.00	19.77	3.81	34.63	58.21	Marker	Vertical	147	-1	78.2	-20.0	Pass
3	5866.94	14.97	3.83	34.67	53.47	Marker	Vertical	147	-1	68.2	-14.8	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: AP-ANT-13B, Power Setting: 18, Duty Cycle (%): 100

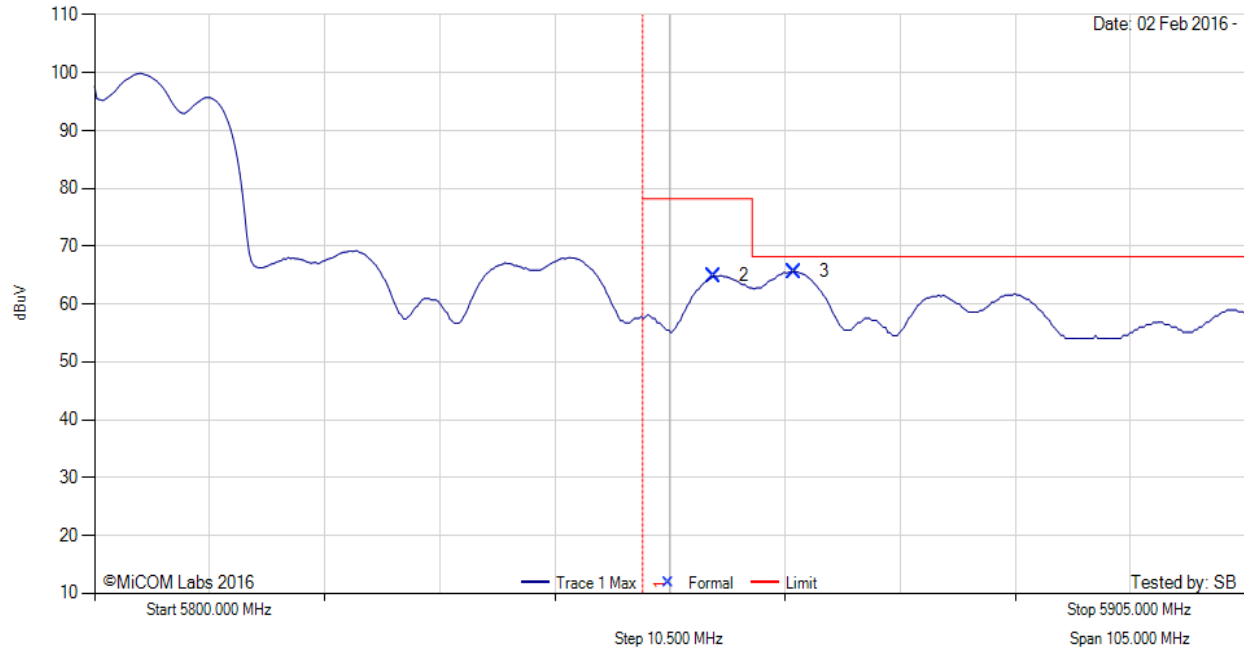
Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz

Date: 02 Feb 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
2	5856.52	26.40	3.84	34.65	64.89	Marker	Vertical	147	-1	78.2	-13.3	Pass
3	5863.79	27.15	3.84	34.66	65.65	Marker	Vertical	147	-1	68.2	-2.6	Pass
1	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 258 of 350



5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5825.00 MHz, Antenna: AP-ANT-13B, Power Setting: 18, Duty Cycle (%): 100

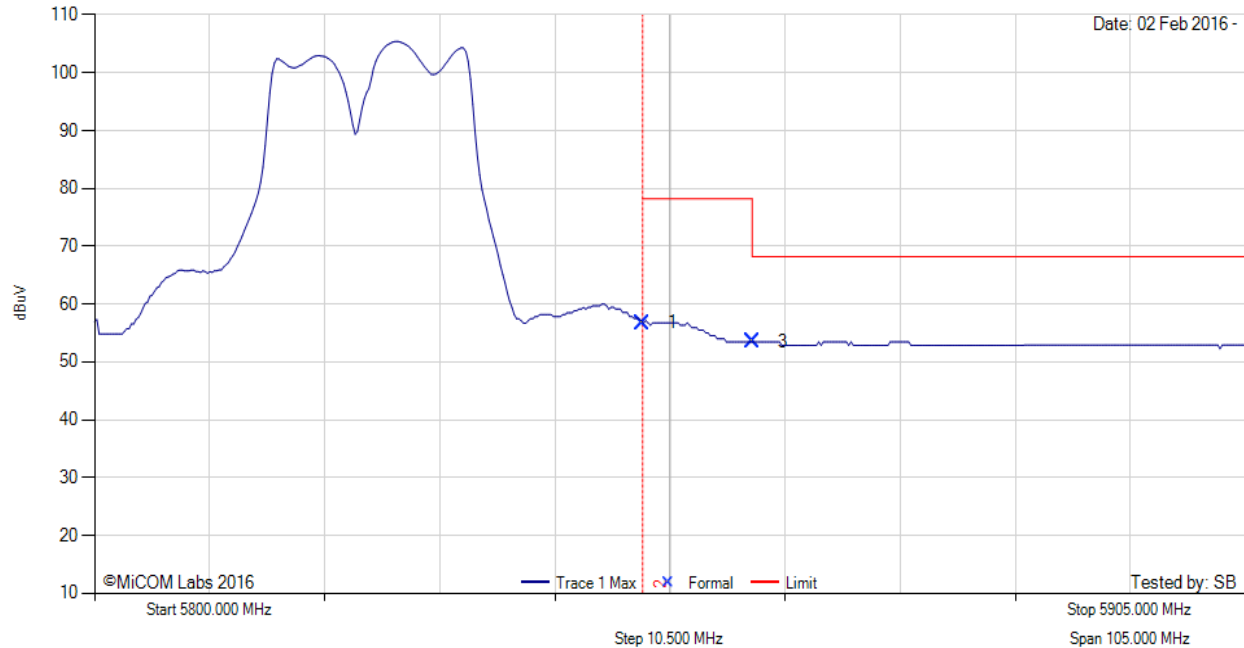
Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz

Date: 02 Feb 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5850.00	18.32	3.81	34.63	56.76	Marker	Vertical	147	-1	78.2	-21.5	Pass
3	5860.00	14.95	3.86	34.65	53.46	Marker	Vertical	147	-1	78.2	-24.8	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 259 of 350



5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5795.00 MHz, Antenna: AP-ANT-13B, Power Setting: 18, Duty Cycle (%): 100

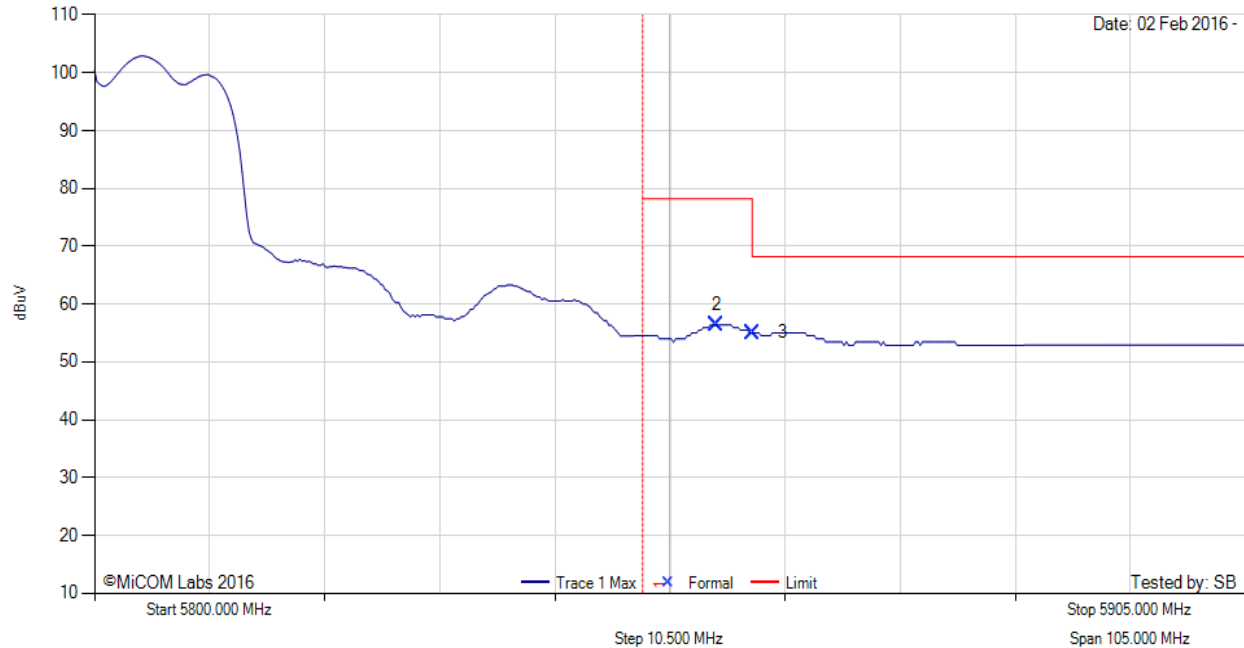
Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz

Date: 02 Feb 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
2	5856.73	17.89	3.84	34.65	56.38	Marker	Vertical	147	-1	78.2	-21.9	Pass
3	5860.00	16.53	3.86	34.65	55.04	Marker	Vertical	147	-1	78.2	-23.2	Pass
1	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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

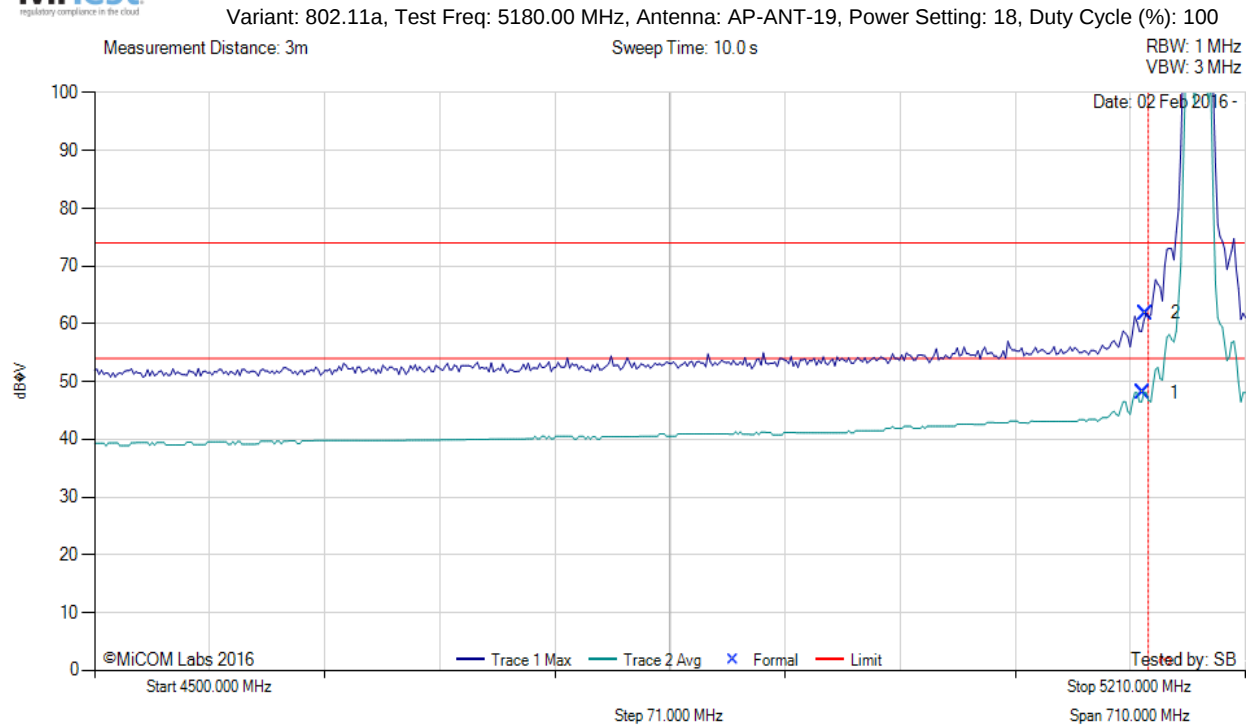


Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 260 of 350

A.1.2.2. AP-ANT-19



RESTRICTED LOWER BAND-EDGE EMISSIONS



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5147.15	10.28	3.68	34.11	48.07	Max Avg	Vertical	166	102	54.0	-5.9	Pass
2	5148.58	24.09	3.67	34.11	61.87	Max Peak	Vertical	166	102	74.0	-12.1	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

[back to matrix](#)

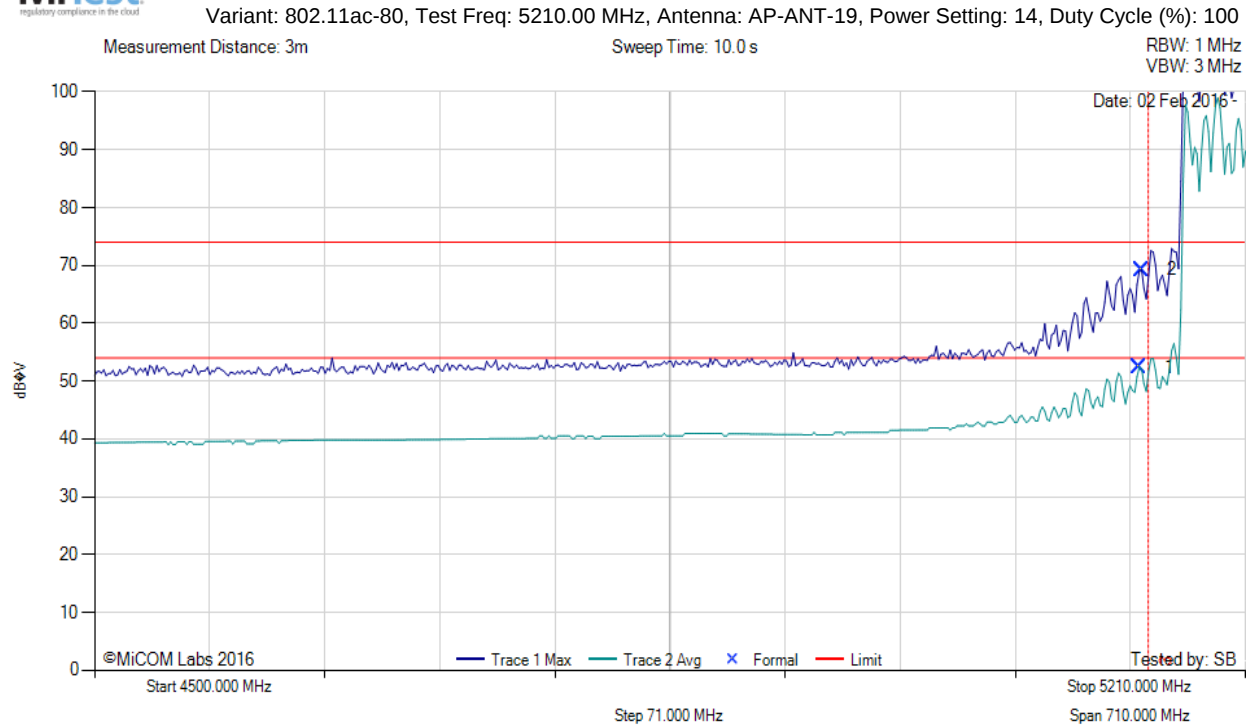
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 261 of 350



RESTRICTED LOWER BAND-EDGE EMISSIONS



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5144.31	14.61	3.70	34.12	52.43	Max Avg	Vertical	166	102	54.0	-1.6	Pass
2	5146.21	31.44	3.69	34.11	69.24	Max Peak	Vertical	166	102	74.0	-4.8	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

[back to matrix](#)

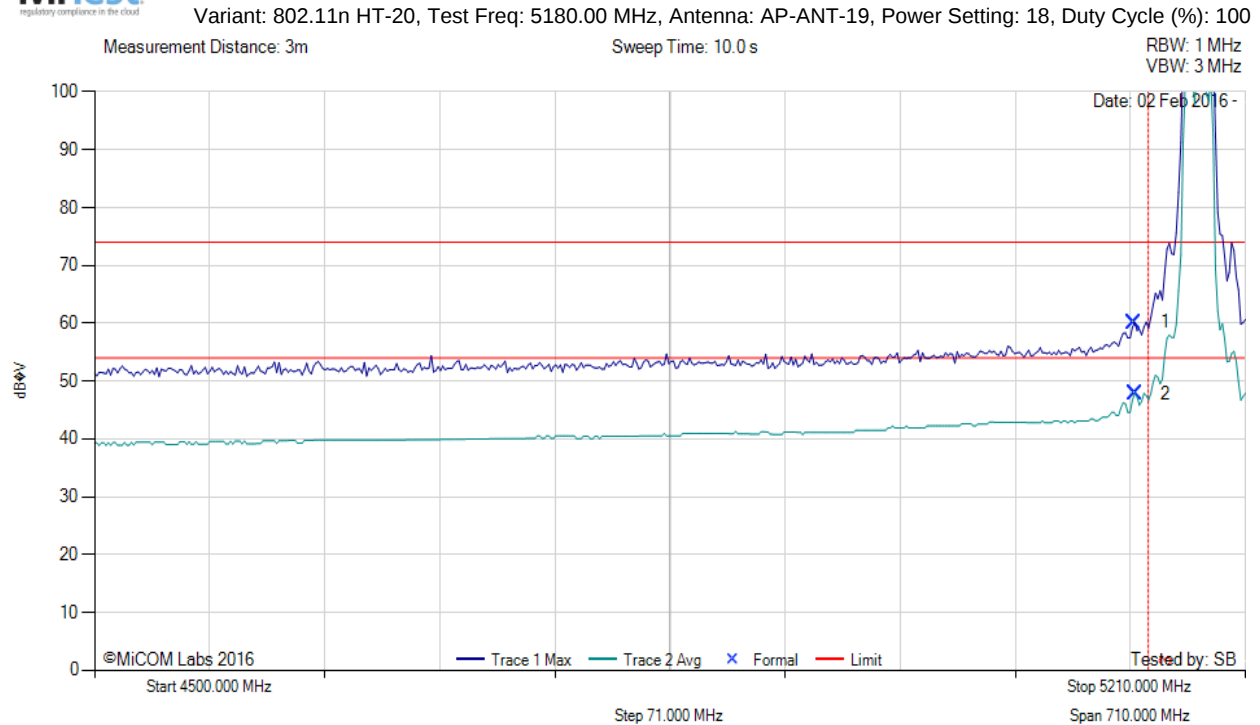
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 262 of 350



RESTRICTED LOWER BAND-EDGE EMISSIONS



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5141.44	22.32	3.70	34.12	60.14	Max Peak	Vertical	166	102	74.0	-13.9	Pass
2	5142.16	10.06	3.70	34.12	47.88	Max Avg	Vertical	166	102	54.0	-6.1	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

[back to matrix](#)

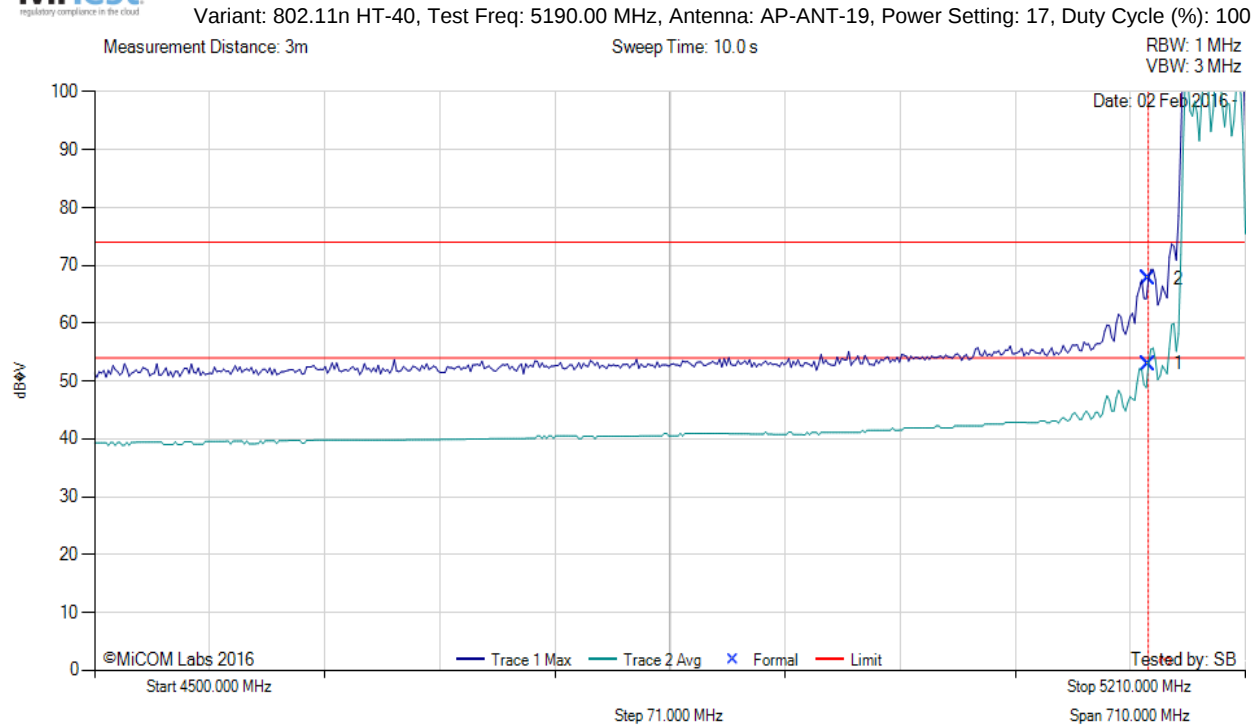
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 263 of 350



RESTRICTED LOWER BAND-EDGE EMISSIONS



Num	Frequency MHz	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	15.17	3.67	34.11	52.95	Max Avg	Vertical	166	102	54.0	-1.1	Pass
2	5150.00	29.89	3.67	34.11	67.67	Max Peak	Vertical	166	102	74.0	-6.3	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

[back to matrix](#)

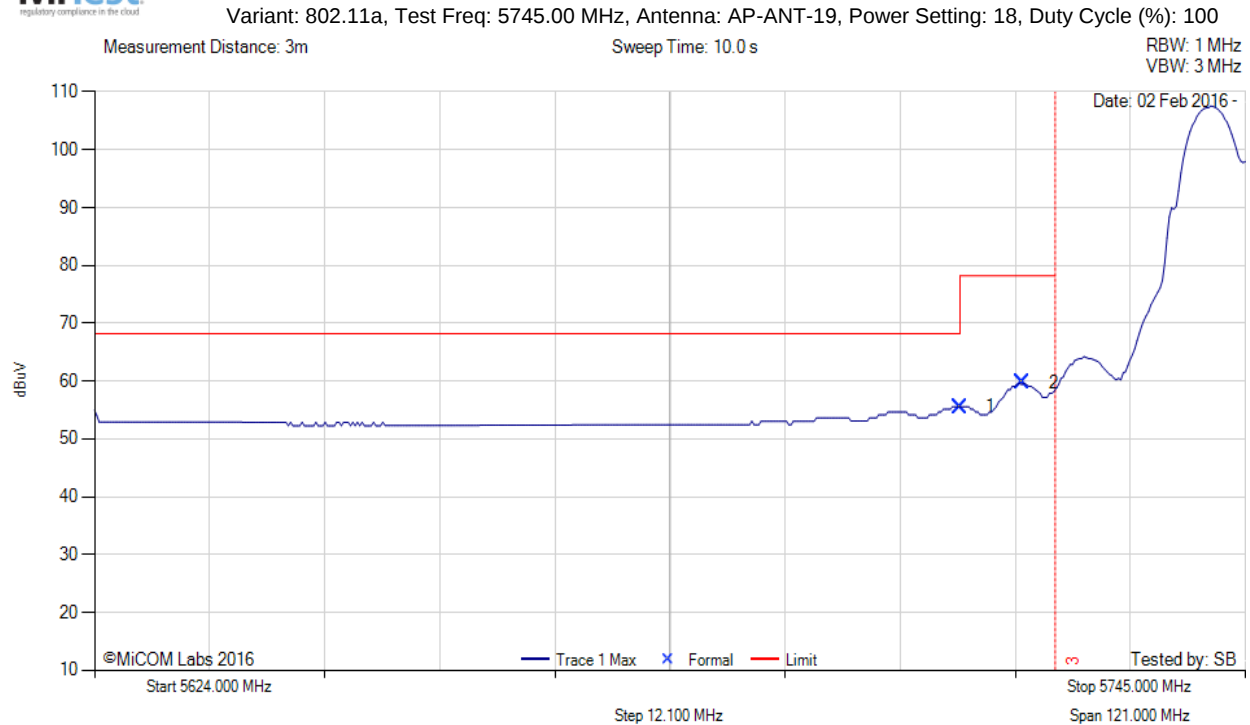
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 264 of 350



5725 MHz RADIATED BAND-EDGE EMISSIONS



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5715.00	17.44	3.81	34.34	55.59	Marker	Vertical	166	118	68.2	-12.6	Pass
2	5721.61	21.53	3.80	34.35	59.68	Marker	Vertical	166	118	78.2	-18.6	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 265 of 350



5725 MHz RADIATED BAND-EDGE EMISSIONS

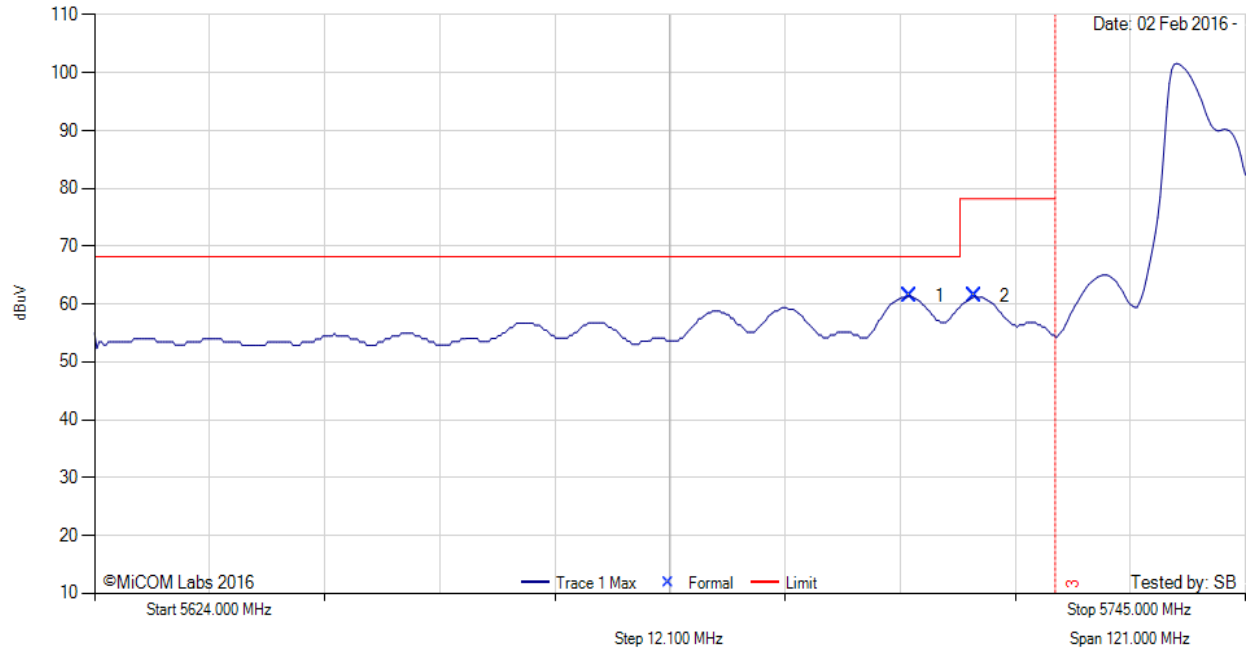
Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: AP-ANT-19, Power Setting: 16, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5709.67	23.21	3.84	34.34	61.39	Marker	Vertical	174	69	68.2	-6.8	Pass
2	5716.51	23.24	3.81	34.34	61.39	Marker	Vertical	174	69	78.2	-16.8	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 266 of 350



5725 MHz RADIATED BAND-EDGE EMISSIONS

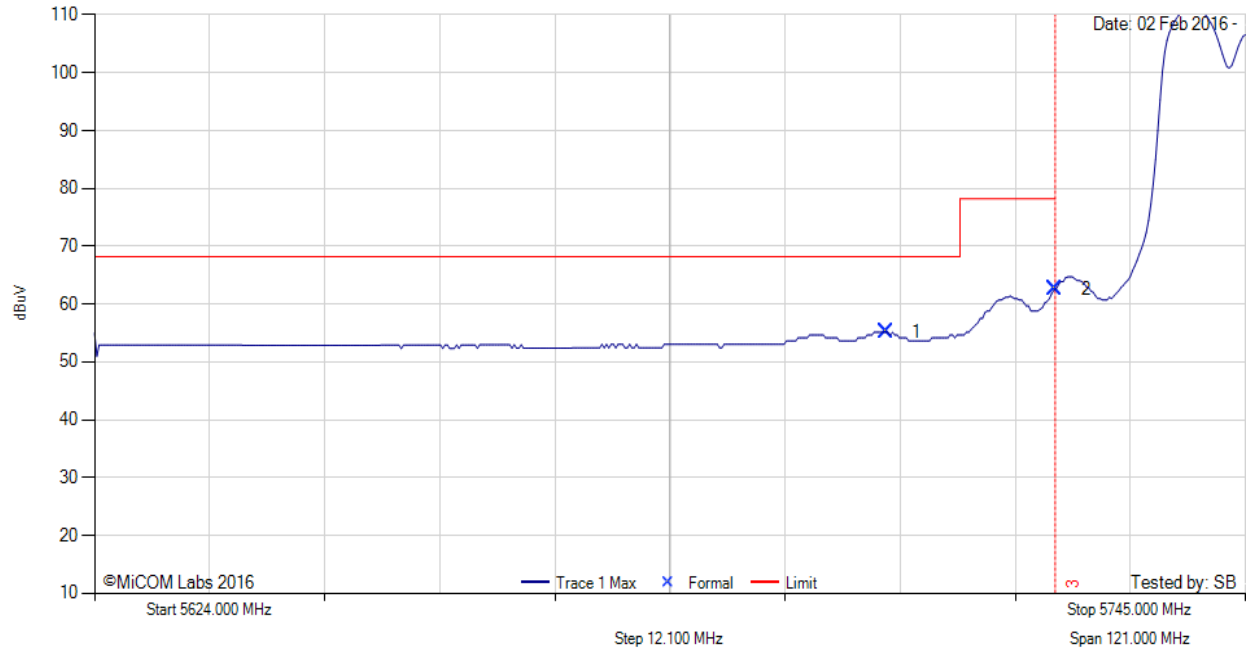
Variant: 802.11n HT-20, Test Freq: 5745.00 MHz, Antenna: AP-ANT-19, Power Setting: 18, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5707.24	16.95	3.85	34.34	55.14	Marker	Vertical	174	69	68.2	-13.1	Pass
2	5725.00	24.51	3.79	34.35	62.65	Marker	Vertical	174	69	78.2	-15.6	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 267 of 350



5725 MHz RADIATED BAND-EDGE EMISSIONS

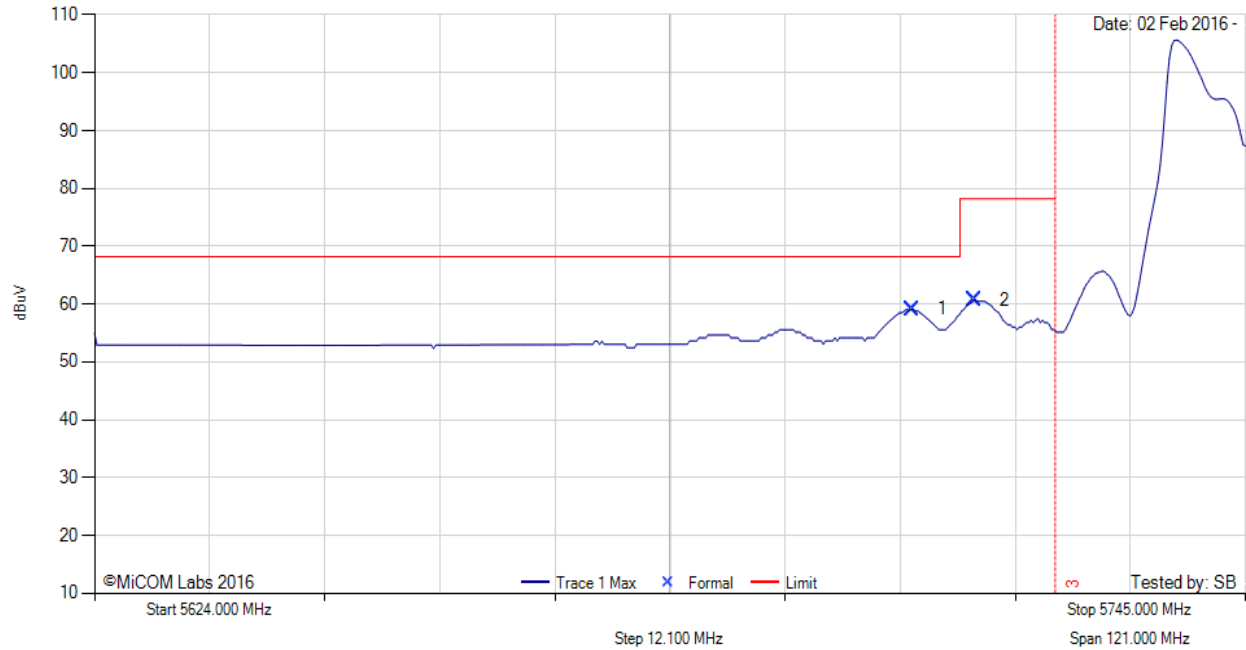
Variant: 802.11n HT-40, Test Freq: 5755.00 MHz, Antenna: AP-ANT-19, Power Setting: 18, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5709.91	20.93	3.84	34.34	59.11	Marker	Vertical	174	69	68.2	-9.1	Pass
2	5716.51	22.55	3.81	34.34	60.70	Marker	Vertical	174	69	78.2	-17.5	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

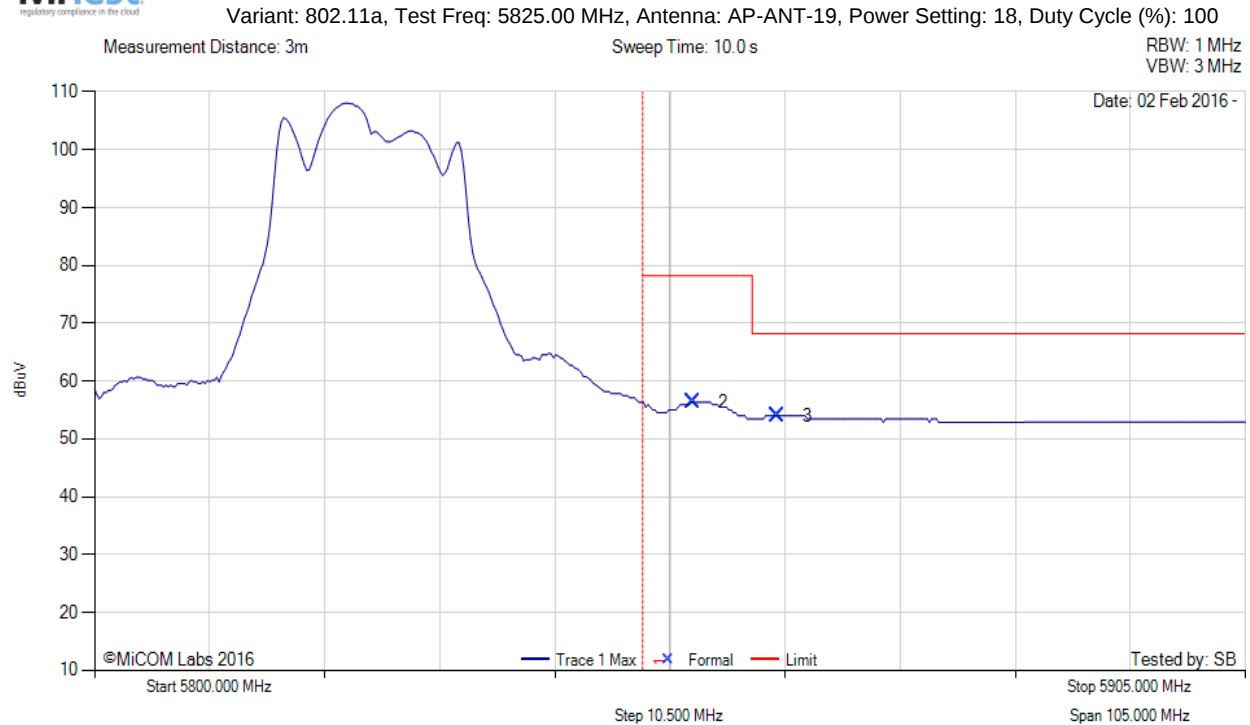
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 268 of 350



5850 MHz RADIATED BAND-EDGE EMISSIONS



Num	Frequency 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	5854.63	17.90	3.83	34.64	56.37	Marker	Vertical	149	95	78.2	-21.9	Pass
3	5862.31	15.52	3.85	34.66	54.03	Marker	Vertical	149	95	68.2	-14.2	Pass
1	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 269 of 350



5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: AP-ANT-19, Power Setting: 16, Duty Cycle (%): 100

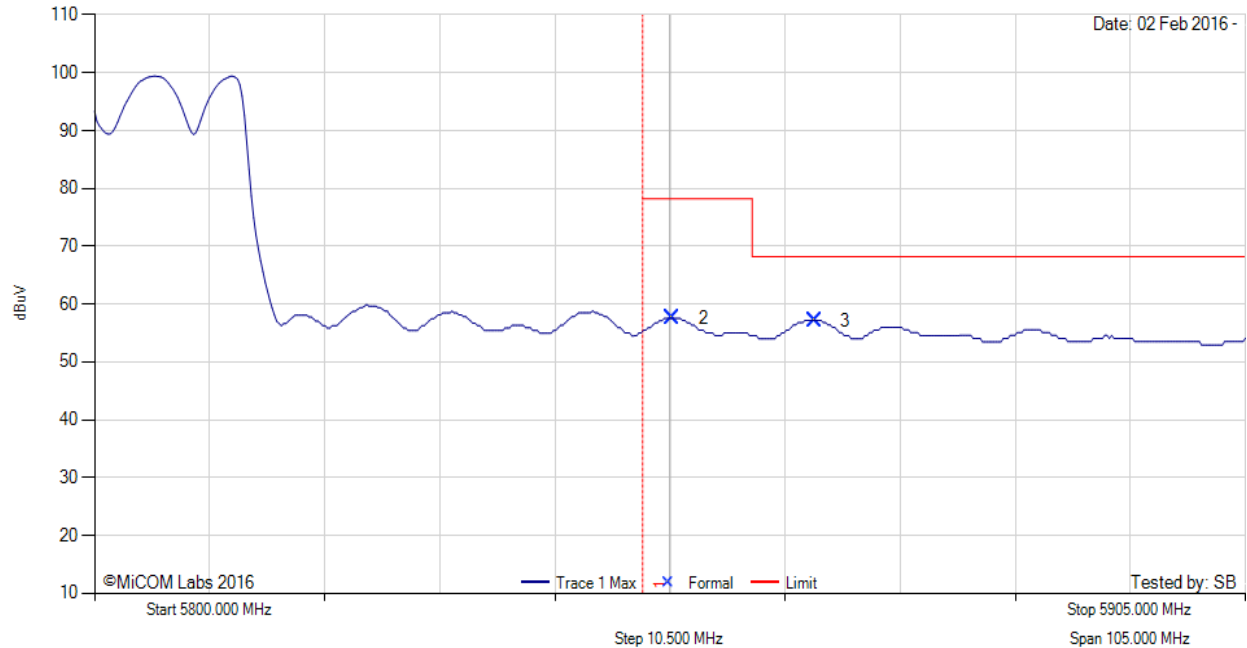
Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz

Date: 02 Feb 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
2	5852.74	19.08	3.82	34.63	57.53	Marker	Vertical	149	95	78.2	-20.7	Pass
3	5865.68	18.68	3.83	34.67	57.18	Marker	Vertical	149	95	68.2	-11.1	Pass
1	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 270 of 350



5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5825.00 MHz, Antenna: AP-ANT-19, Power Setting: 18, Duty Cycle (%): 100

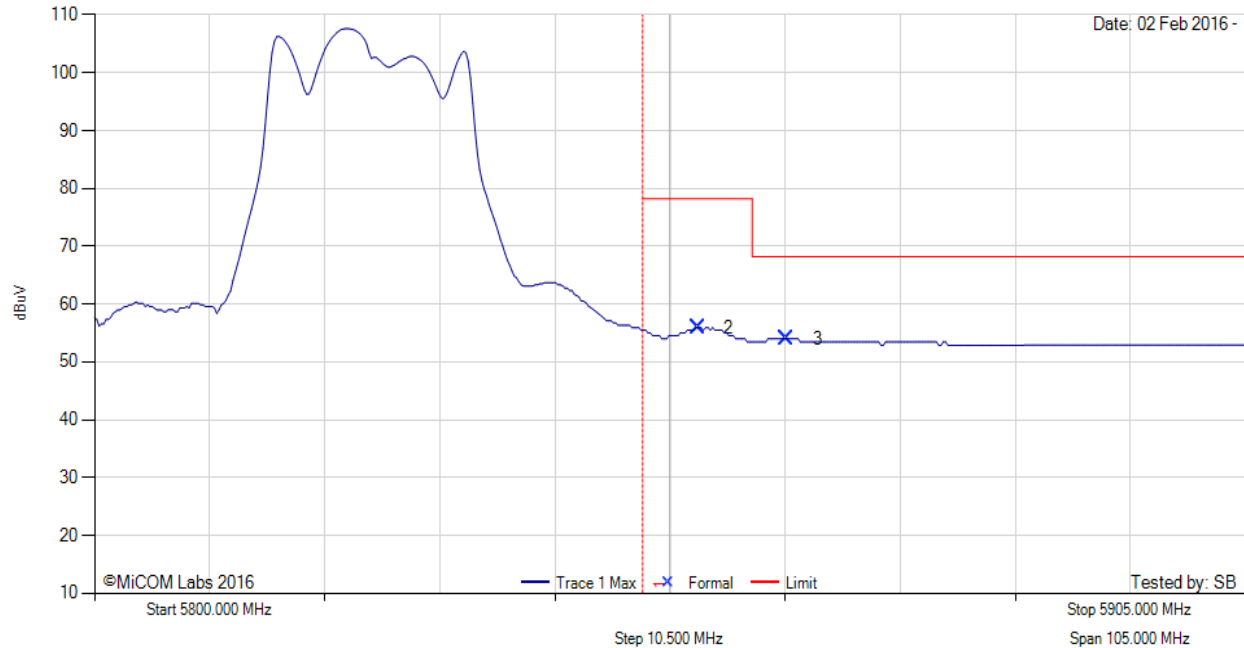
Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz

Date: 02 Feb 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
2	5855.05	17.48	3.83	34.64	55.95	Marker	Vertical	149	95	78.2	-22.3	Pass
3	5863.16	15.52	3.85	34.66	54.03	Marker	Vertical	149	95	68.2	-14.2	Pass
1	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 271 of 350



5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5795.00 MHz, Antenna: AP-ANT-19, Power Setting: 18, Duty Cycle (%): 100

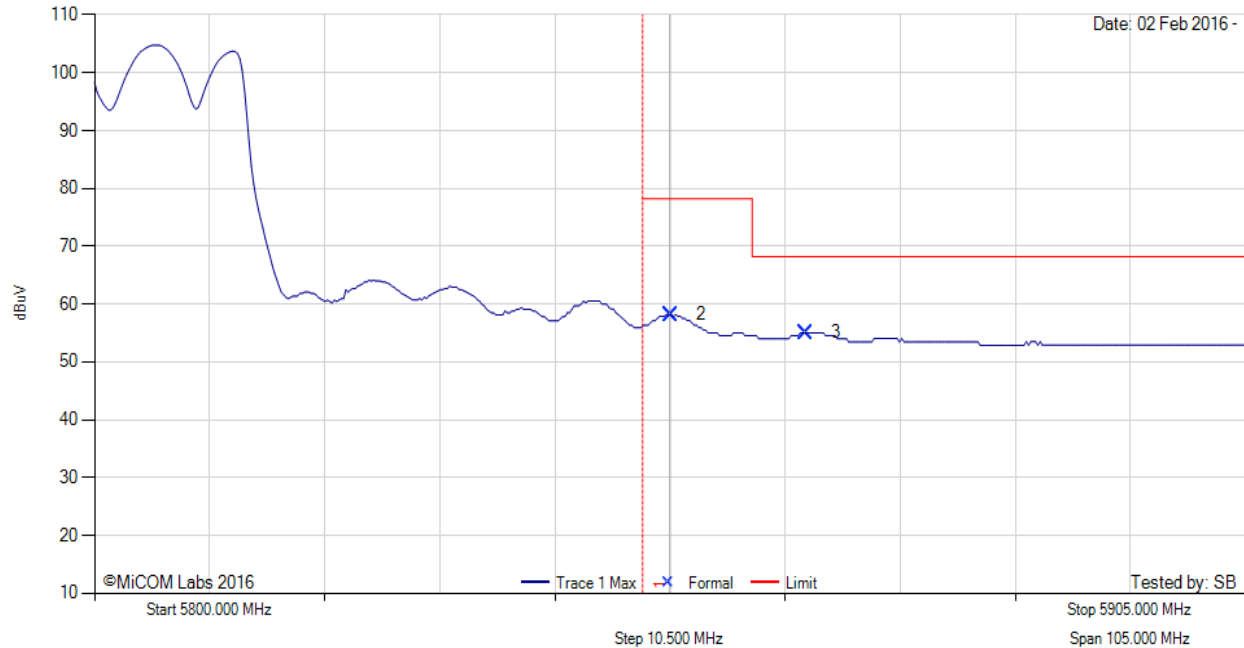
Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz

Date: 02 Feb 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
2	5852.53	19.77	3.82	34.63	58.22	Marker	Vertical	149	95	78.2	-20.0	Pass
3	5864.84	16.54	3.84	34.67	55.05	Marker	Vertical	149	95	68.2	-13.2	Pass
1	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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

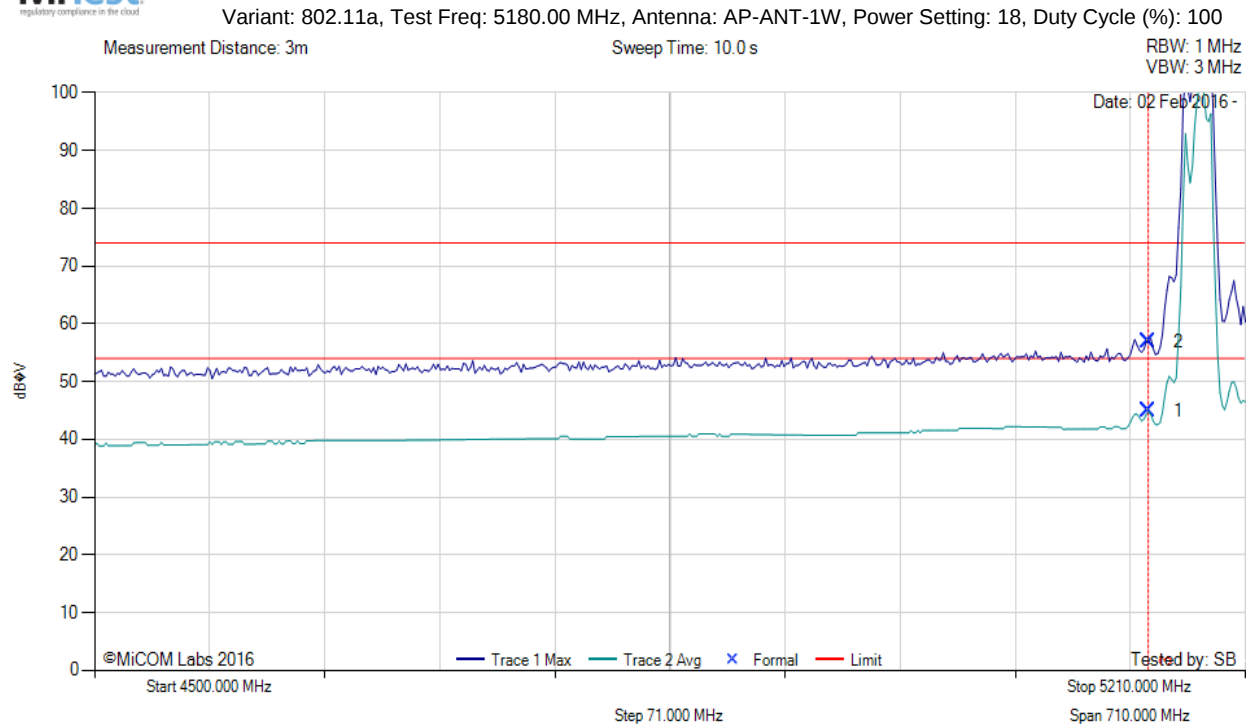


Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 272 of 350

A.1.2.3. AP-ANT-1W



RESTRICTED LOWER BAND-EDGE EMISSIONS



Num	Frequency MHz	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	7.11	3.67	34.11	44.89	Max Avg	Vertical	150	54	54.0	-9.1	Pass
2	5150.00	19.16	3.67	34.11	56.94	Max Peak	Vertical	150	54	74.0	-17.1	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

[back to matrix](#)

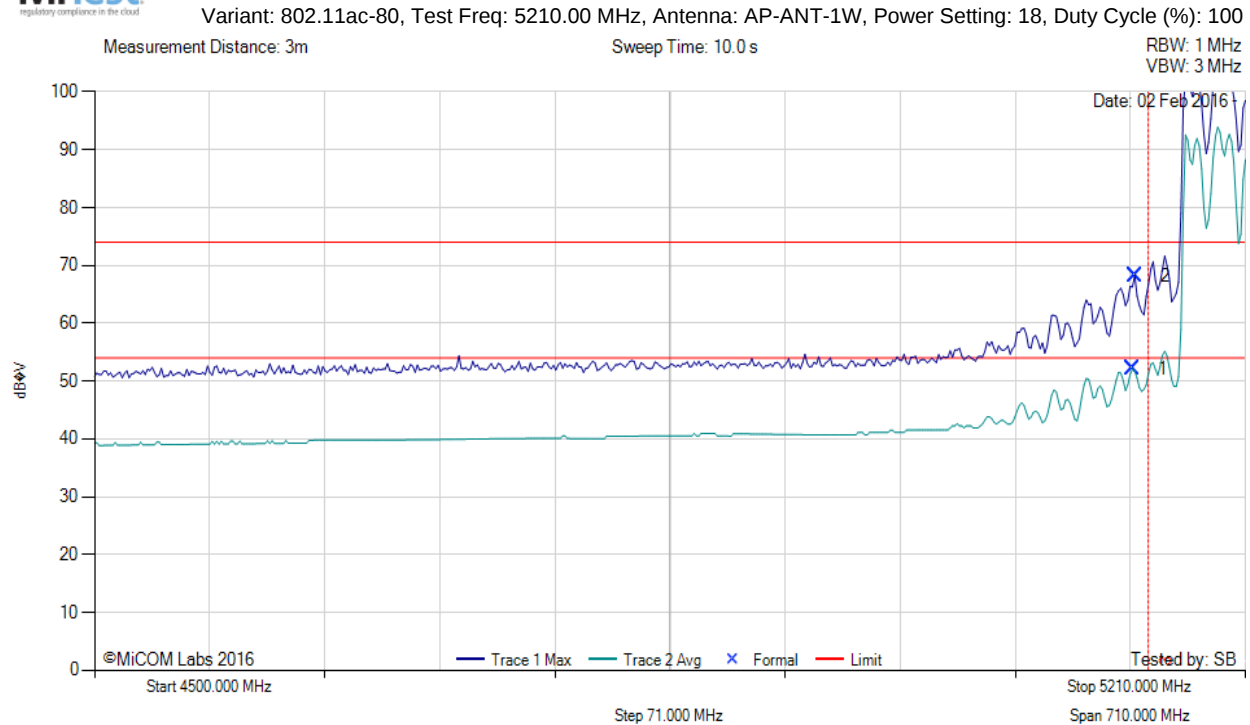
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 273 of 350



RESTRICTED LOWER BAND-EDGE EMISSIONS



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5140.06	14.27	3.70	34.12	52.09	Max Avg	Vertical	150	54	54.0	-1.9	Pass
2	5141.72	30.41	3.70	34.12	68.23	Max Peak	Vertical	150	54	74.0	-5.8	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

[back to matrix](#)

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



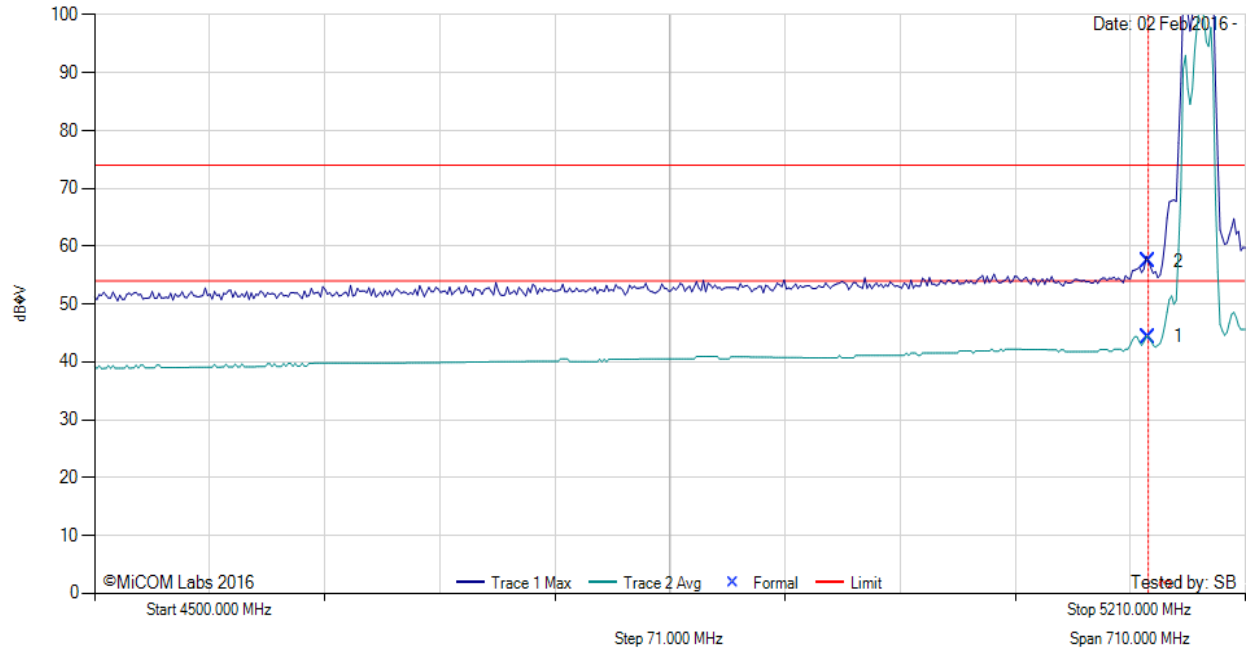
RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5180.00 MHz, Antenna: AP-ANT-1W, Power Setting: 18, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz
VBW: 3 MHz



Num	Frequency MHz	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	6.59	3.67	34.11	44.37	Max Avg	Vertical	150	54	54.0	-9.6	Pass
2	5150.00	19.59	3.67	34.11	57.37	Max Peak	Vertical	150	54	74.0	-16.6	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

[back to matrix](#)



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 275 of 350



RESTRICTED LOWER BAND-EDGE EMISSIONS

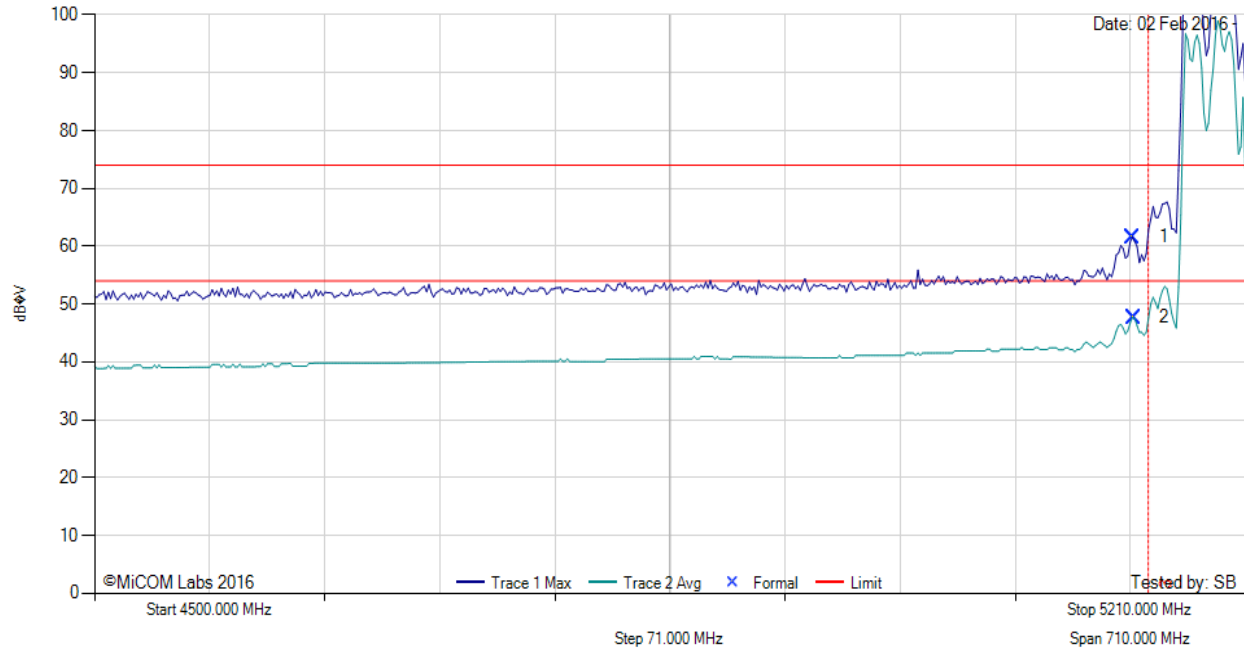
Variant: 802.11n HT-40, Test Freq: 5190.00 MHz, Antenna: AP-ANT-1W, Power Setting: 18, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5140.64	23.82	3.70	34.12	61.64	Max Peak	Vertical	150	54	74.0	-12.4	Pass
2	5140.88	9.87	3.70	34.12	47.69	Max Avg	Vertical	150	54	54.0	-6.3	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 276 of 350



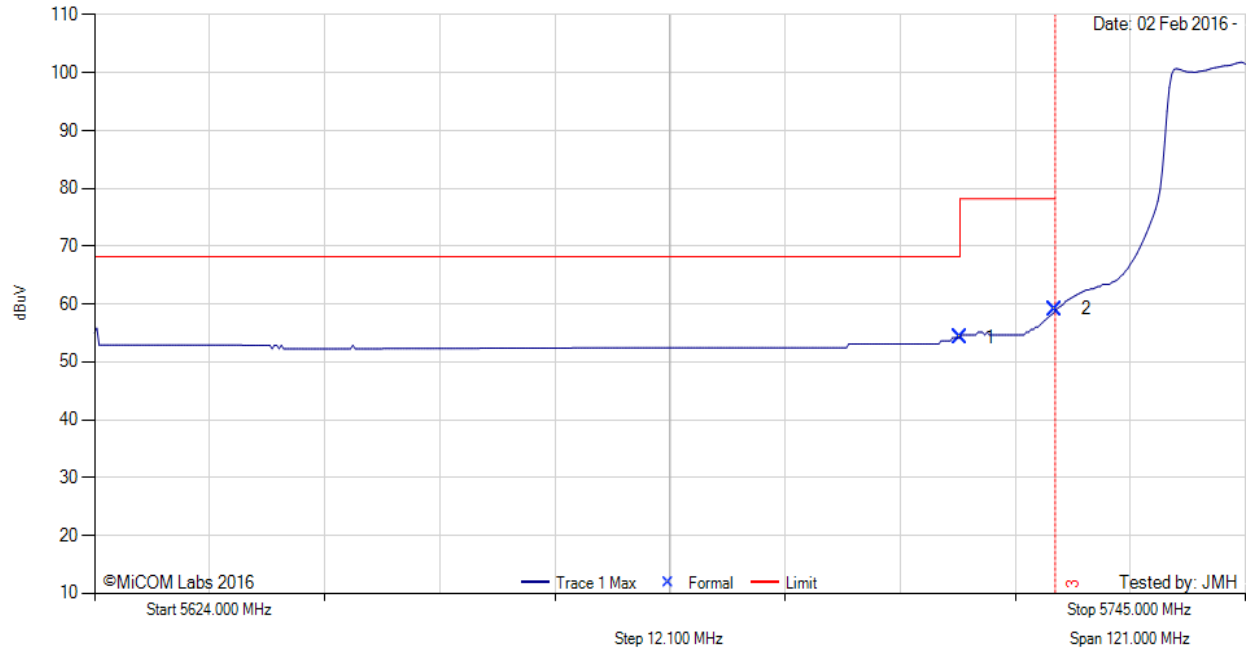
5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: AP-ANT-1W, Power Setting: 18, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz
VBW: 3 MHz



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5715.00	16.03	3.81	34.34	54.18	Marker	Vertical	149	50	68.2	-14.1	Pass
2	5725.00	20.99	3.79	34.35	59.13	Marker	Vertical	149	50	78.2	-19.1	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 277 of 350



5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: AP-ANT-1W, Power Setting: 18, Duty Cycle (%): 100

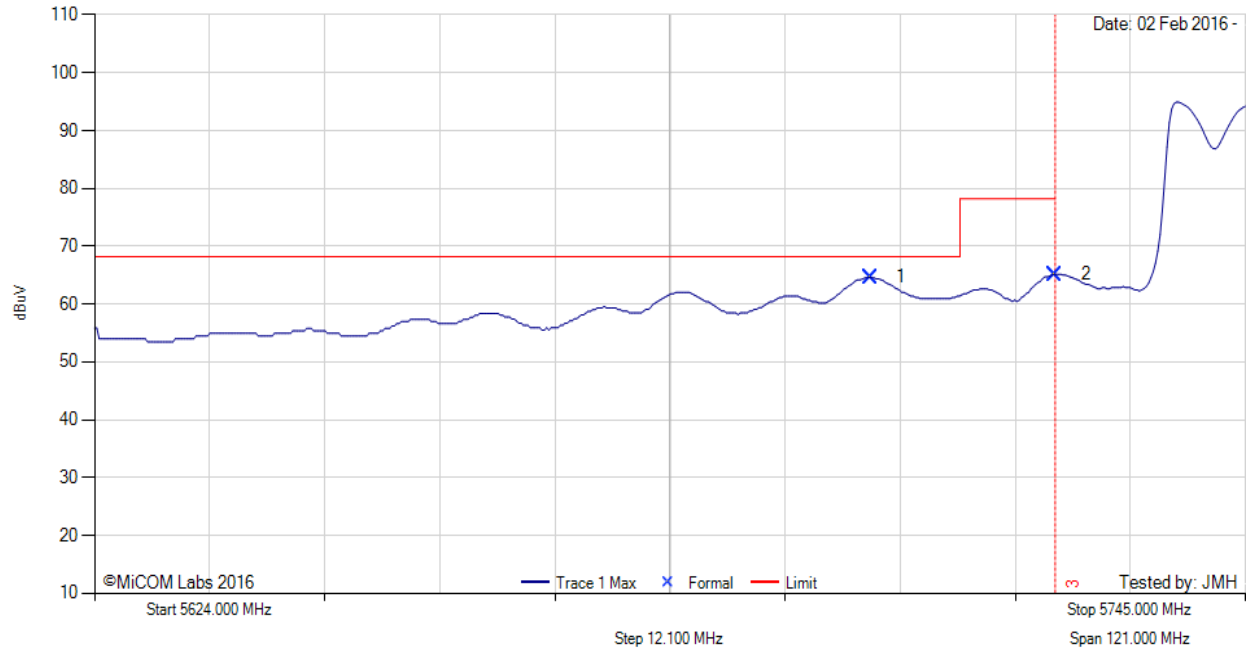
Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz

Date: 02 Feb 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5705.54	26.49	3.86	34.33	64.68	Marker	Vertical	149	50	68.2	-3.6	Pass
2	5725.00	27.01	3.79	34.35	65.15	Marker	Vertical	149	50	78.2	-13.1	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 278 of 350



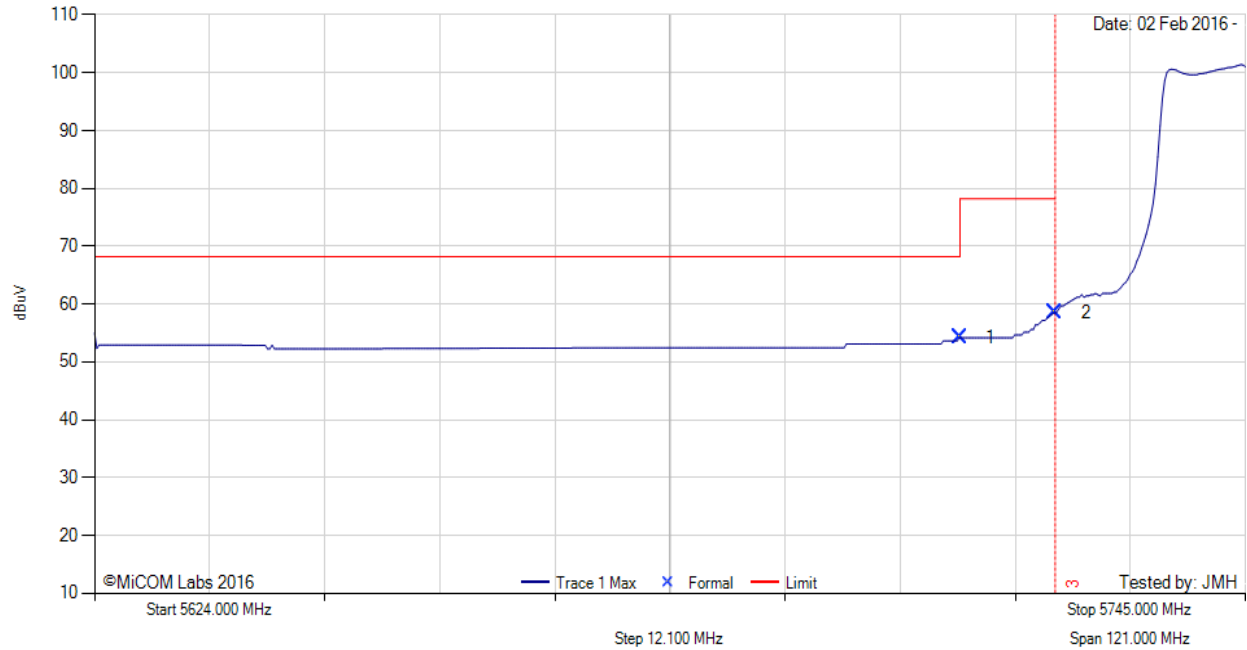
5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5745.00 MHz, Antenna: AP-ANT-1W, Power Setting: 18, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz
VBW: 3 MHz



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5715.00	16.03	3.81	34.34	54.18	Marker	Vertical	149	50	68.2	-14.1	Pass
2	5725.00	20.39	3.79	34.35	58.53	Marker	Vertical	149	50	78.2	-19.7	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 279 of 350



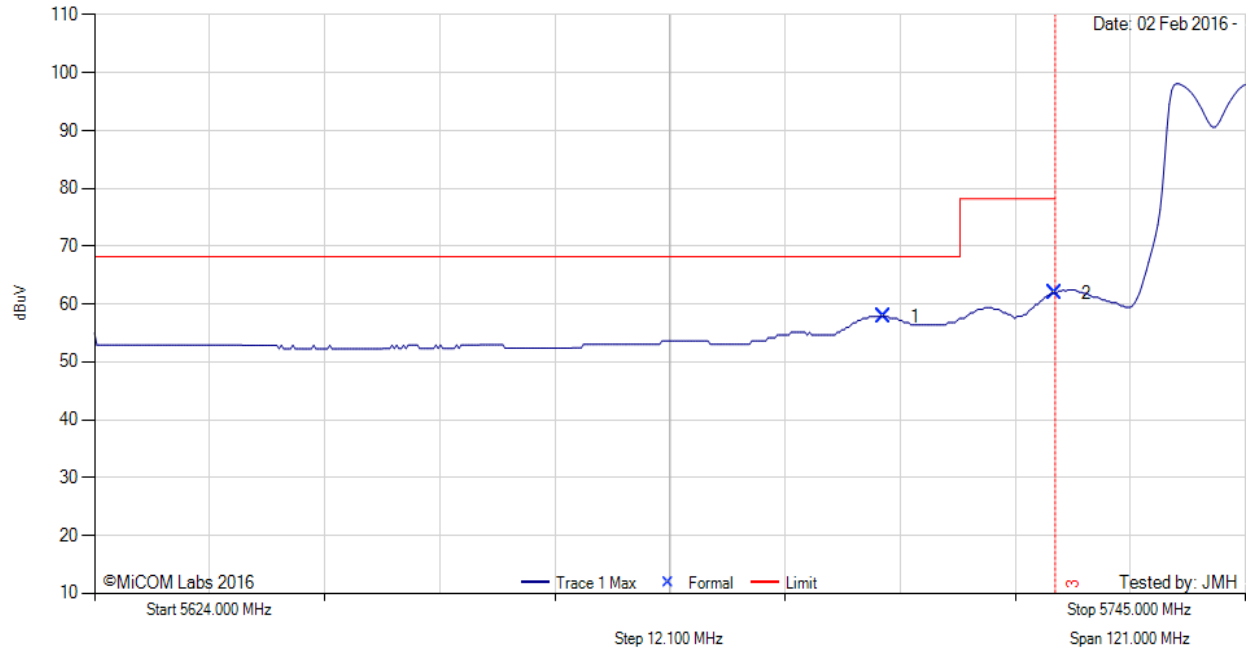
5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5755.00 MHz, Antenna: AP-ANT-1W, Power Setting: 18, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz
VBW: 3 MHz



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5707.00	19.67	3.85	34.34	57.86	Marker	Vertical	149	50	68.2	-10.4	Pass
2	5725.00	23.70	3.79	34.35	61.84	Marker	Vertical	149	50	78.2	-16.4	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

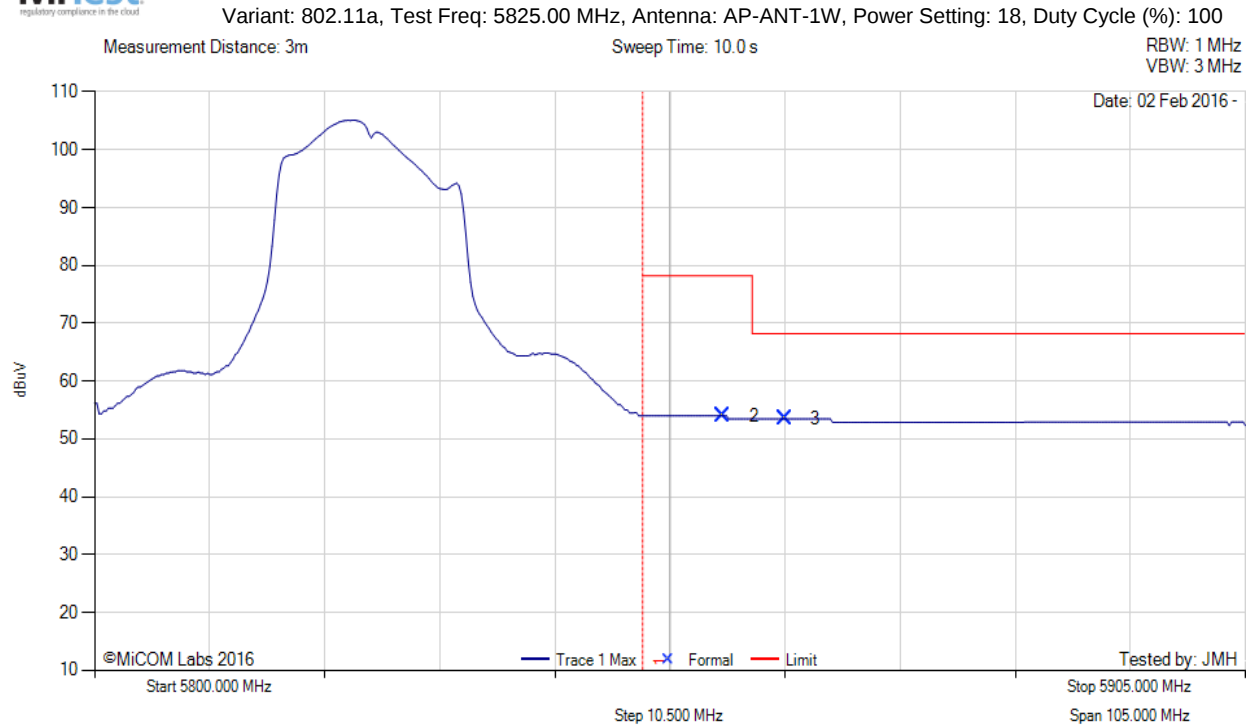
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 280 of 350



5850 MHz RADIATED BAND-EDGE EMISSIONS



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
2	5857.36	15.53	3.84	34.65	54.02	Marker	Vertical	149	51	78.2	-24.2	Pass
3	5862.95	14.96	3.85	34.66	53.47	Marker	Vertical	149	51	68.2	-14.8	Pass
1	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: AP-ANT-1W, Power Setting: 18, Duty Cycle (%): 100

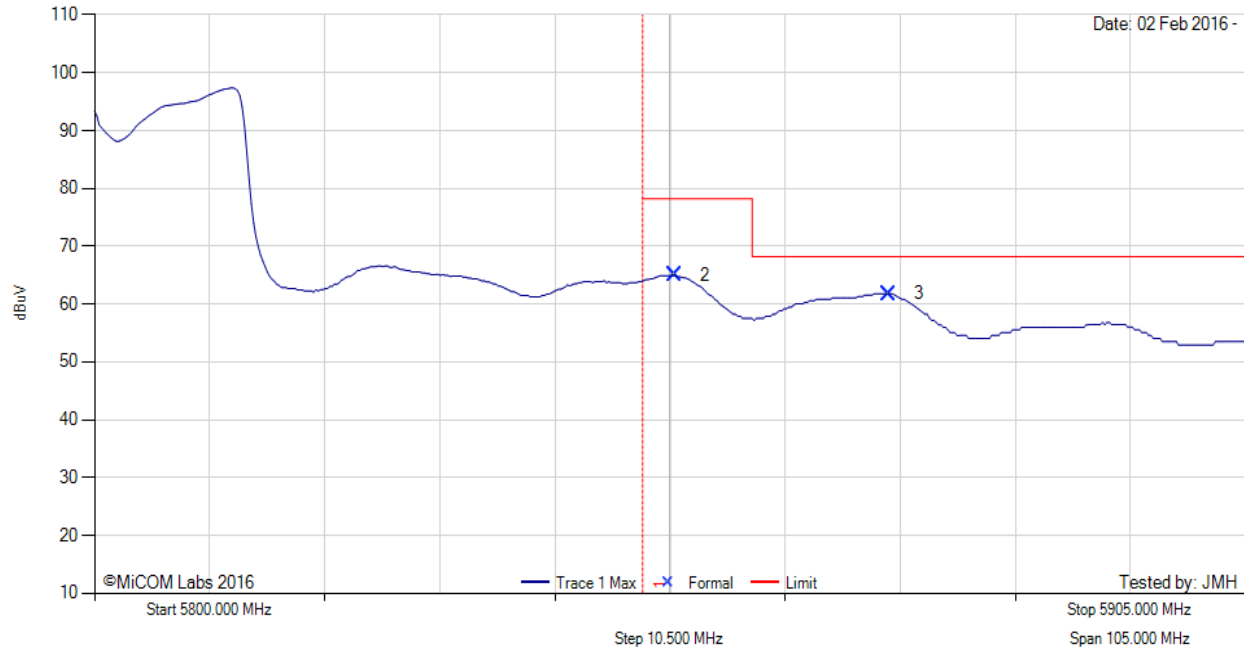
Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz

Date: 02 Feb 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
2	5852.95	26.59	3.82	34.63	65.04	Marker	Vertical	149	50	78.2	-13.2	Pass
3	5872.41	23.29	3.80	34.69	61.78	Marker	Vertical	149	50	68.2	-6.5	Pass
1	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 282 of 350



5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5825.00 MHz, Antenna: AP-ANT-1W, Power Setting: 18, Duty Cycle (%): 100

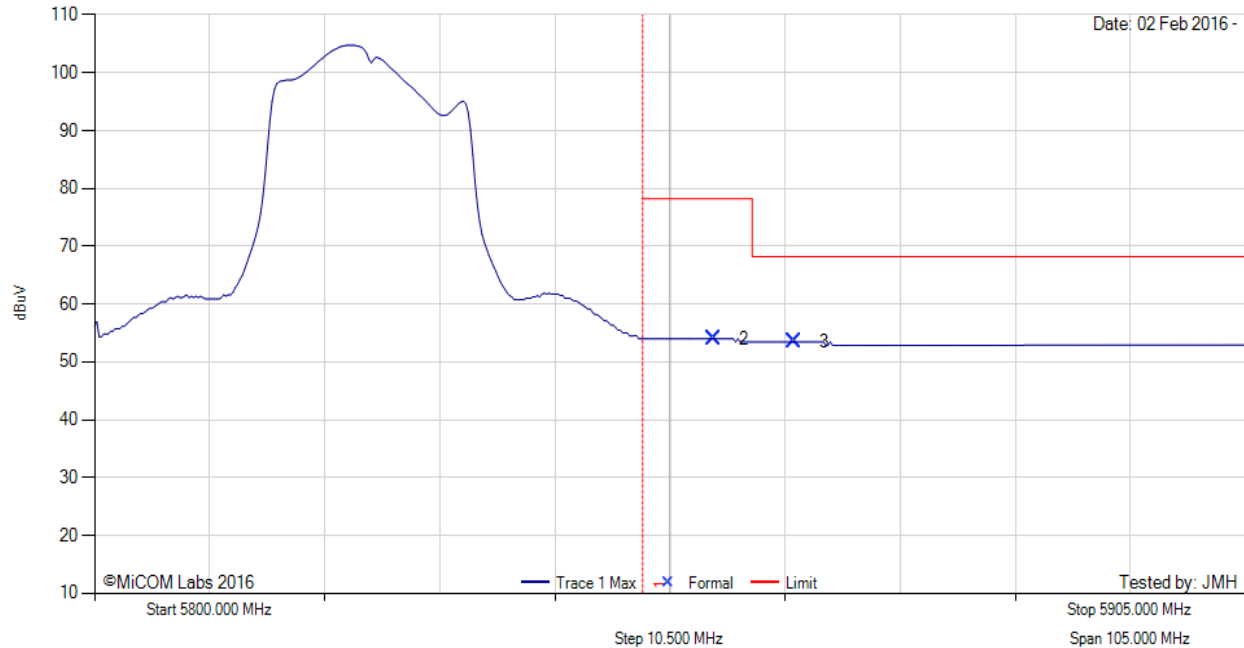
Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz

Date: 02 Feb 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
2	5856.52	15.52	3.84	34.65	54.01	Marker	Vertical	149	51	78.2	-24.2	Pass
3	5863.79	14.97	3.84	34.66	53.47	Marker	Vertical	149	51	68.2	-14.8	Pass
1	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



5850 MHz RADIATED BAND-EDGE EMISSIONS

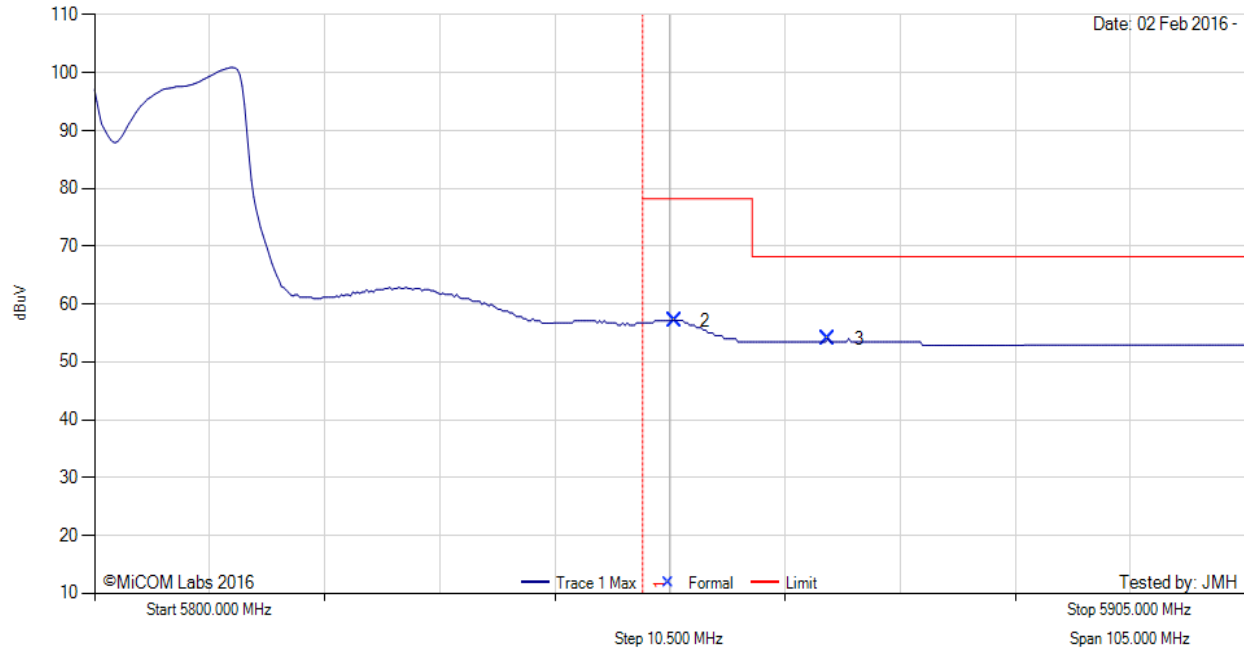
Variant: 802.11n HT-40, Test Freq: 5795.00 MHz, Antenna: AP-ANT-1W, Power Setting: 18, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz
VBW: 3 MHz

Date: 02 Feb 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
2	5852.95	18.71	3.82	34.63	57.16	Marker	Vertical	149	51	78.2	-21.1	Pass
3	5866.94	15.53	3.83	34.67	54.03	Marker	Vertical	149	51	68.2	-14.2	Pass
1	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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

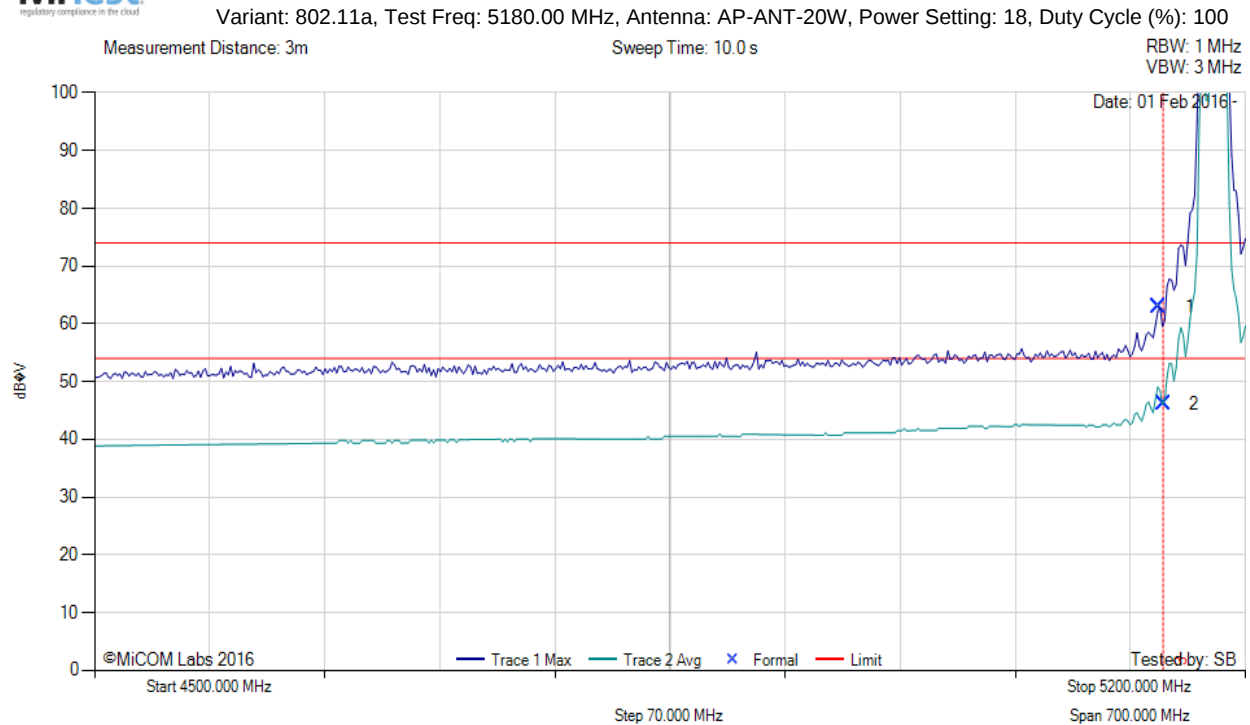


Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 284 of 350

A.1.2.4. AP-ANT-20W



RESTRICTED LOWER BAND-EDGE EMISSIONS



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5147.39	25.07	3.68	34.11	62.86	Max Peak	Horizontal	141	297	74.0	-11.1	Pass
2	5150.00	8.30	3.67	34.11	46.08	Max Avg	Horizontal	141	297	54.0	-7.9	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

[back to matrix](#)

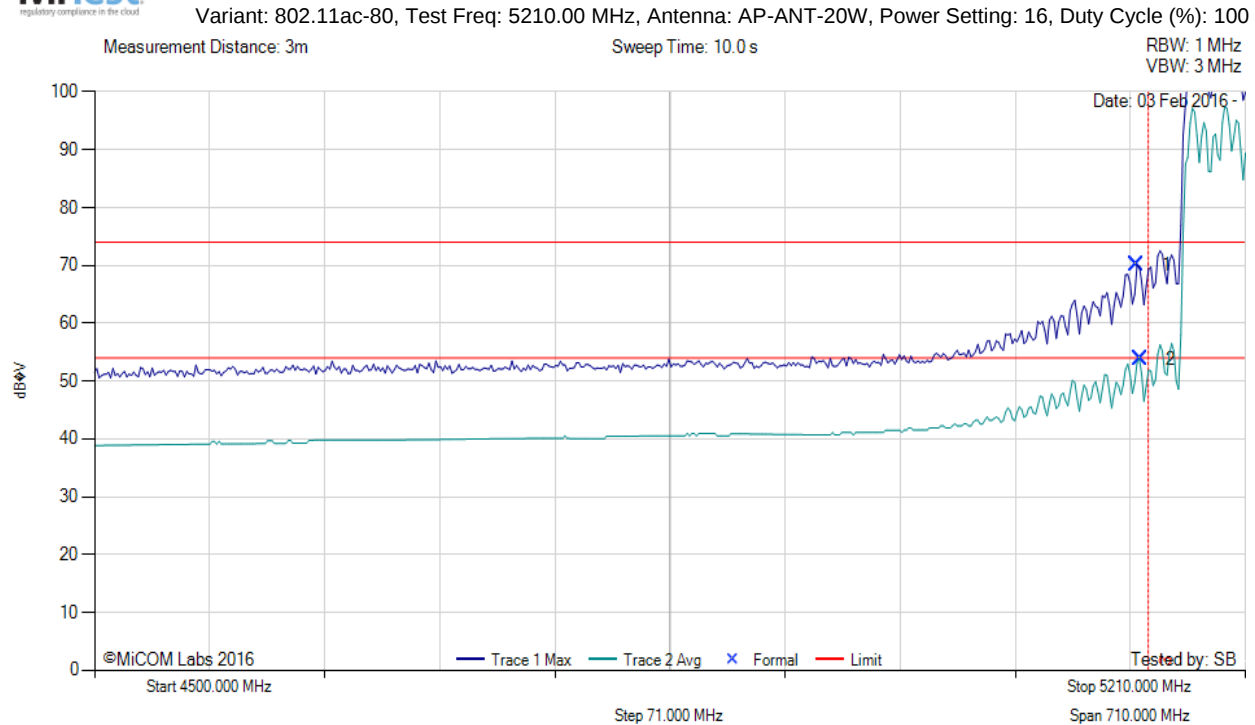
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 285 of 350



RESTRICTED LOWER BAND-EDGE EMISSIONS



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5142.55	32.24	3.70	34.12	70.06	Max Peak	Horizontal	141	298	74.0	-3.9	Pass
2	5145.15	16.01	3.69	34.11	53.81	Max Avg	Horizontal	141	298	54.0	-0.2	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 286 of 350



RESTRICTED LOWER BAND-EDGE EMISSIONS

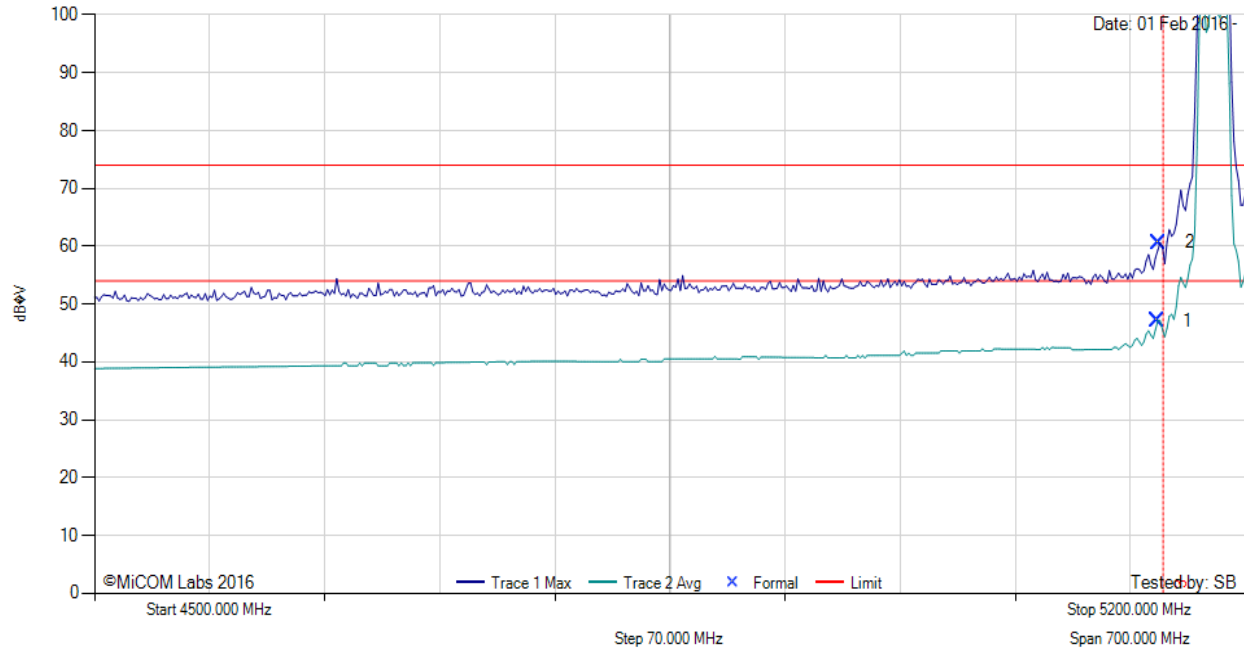
Variant: 802.11n HT-20, Test Freq: 5180.00 MHz, Antenna: AP-ANT-20W, Power Setting: 18, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5145.99	9.33	3.69	34.11	47.13	Max Avg	Horizontal	141	297	54.0	-6.9	Pass
2	5147.39	22.83	3.68	34.11	60.62	Max Peak	Horizontal	141	297	74.0	-13.4	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 287 of 350



RESTRICTED LOWER BAND-EDGE EMISSIONS

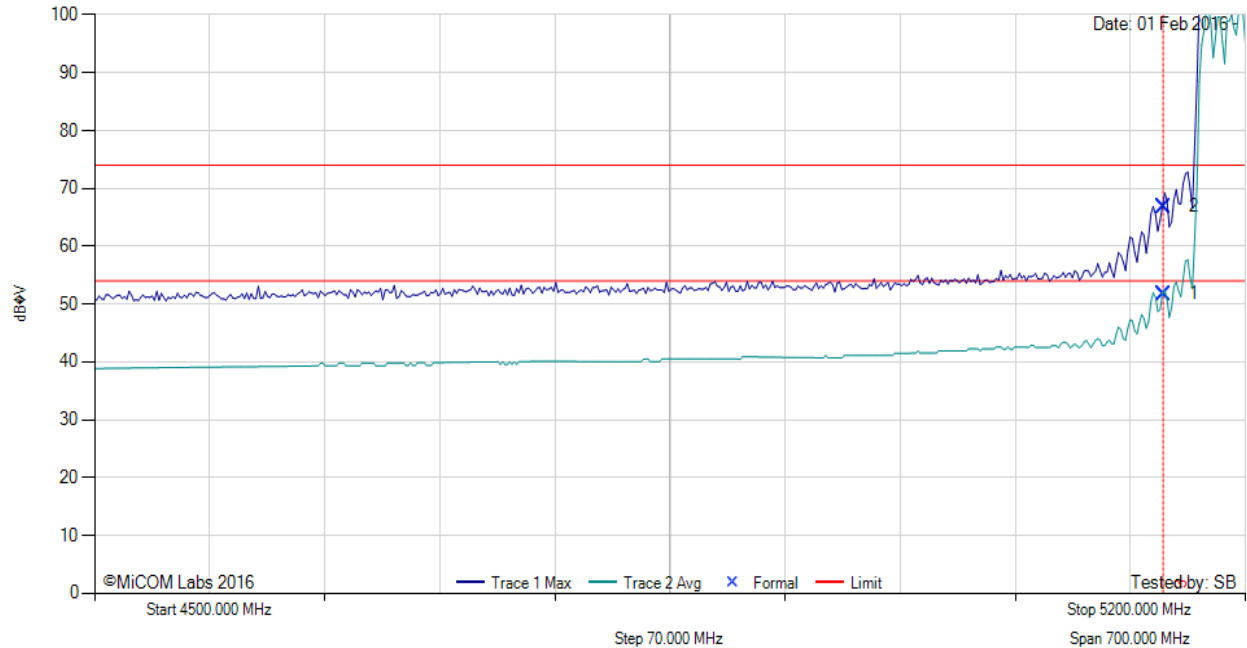
Variant: 802.11n HT-40, Test Freq: 5190.00 MHz, Antenna: AP-ANT-20W, Power Setting: 18, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5150.00	13.98	3.67	34.11	51.76	Max Avg	Horizontal	141	297	54.0	-2.2	Pass
2	5150.00	29.07	3.67	34.11	66.85	Max Peak	Horizontal	141	297	74.0	-7.2	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 288 of 350



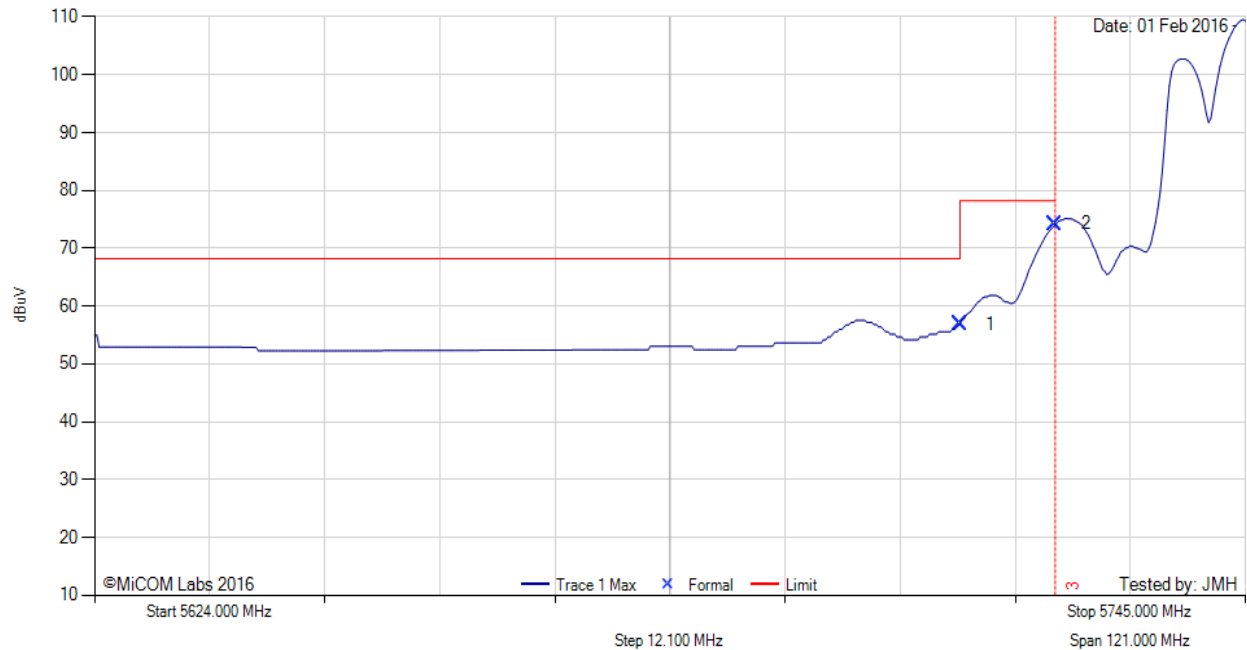
5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: AP-ANT-20W, Power Setting: 20, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz
VBW: 3 MHz



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5715.00	18.65	3.81	34.34	56.80	Marker	Horizontal	146	18	68.2	-11.4	Pass
2	5725.00	36.11	3.79	34.35	74.25	Marker	Horizontal	146	18	78.2	-4.0	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 289 of 350



5725 MHz RADIATED BAND-EDGE EMISSIONS

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

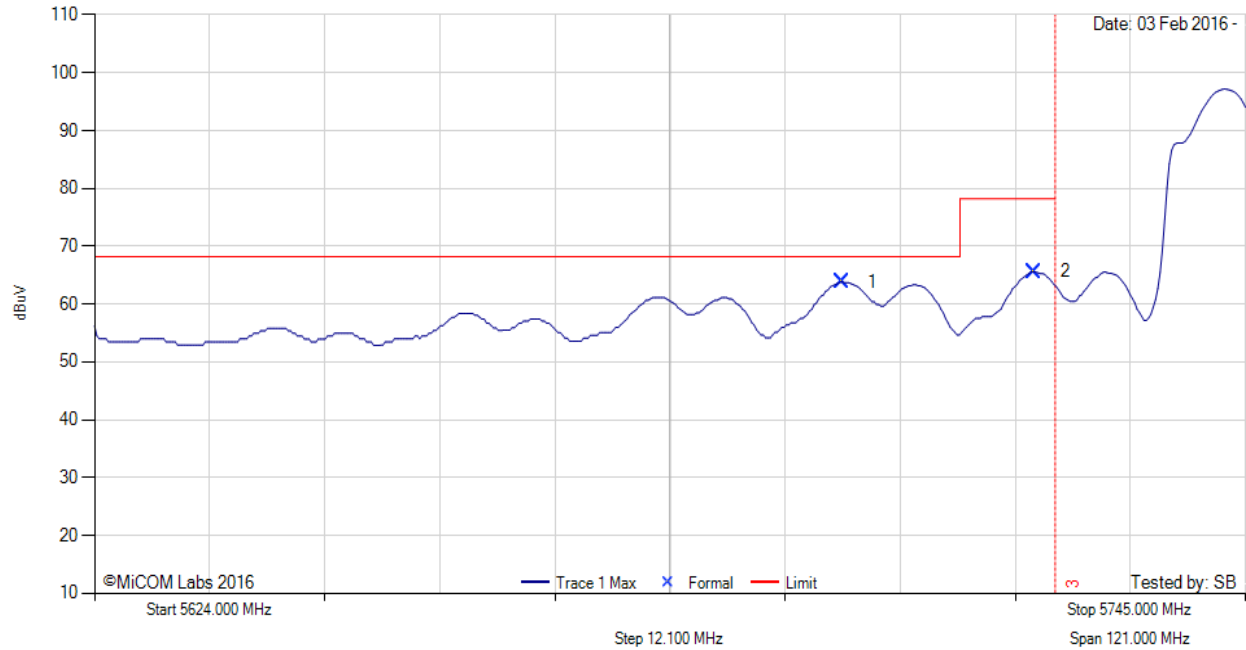
Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz

Date: 03 Feb 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5702.63	25.68	3.87	34.33	63.88	Marker	Horizontal	141	298	68.2	-4.4	Pass
2	5722.82	27.42	3.80	34.35	65.57	Marker	Horizontal	141	298	78.2	-12.7	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 290 of 350



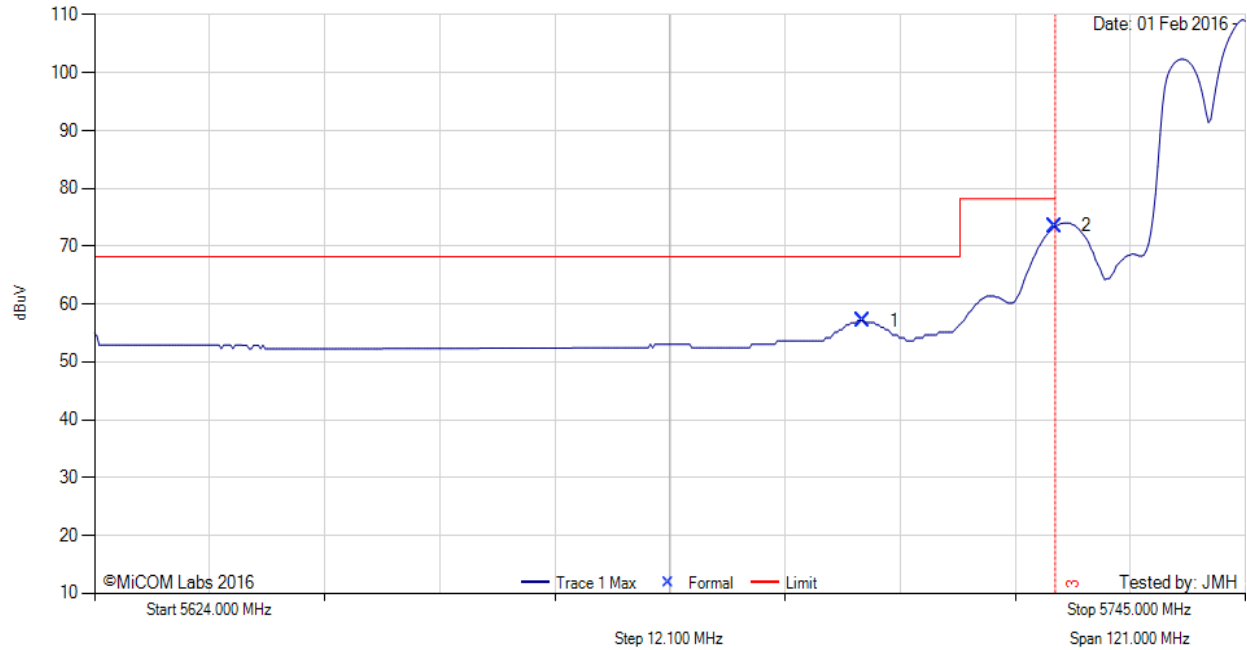
5725 MHz RADIATED BAND-EDGE EMISSIONS

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

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz
VBW: 3 MHz



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5704.82	18.98	3.86	34.33	57.17	Marker	Horizontal	146	18	68.2	-11.1	Pass
2	5725.00	35.42	3.79	34.35	73.56	Marker	Horizontal	146	18	78.2	-4.7	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 291 of 350



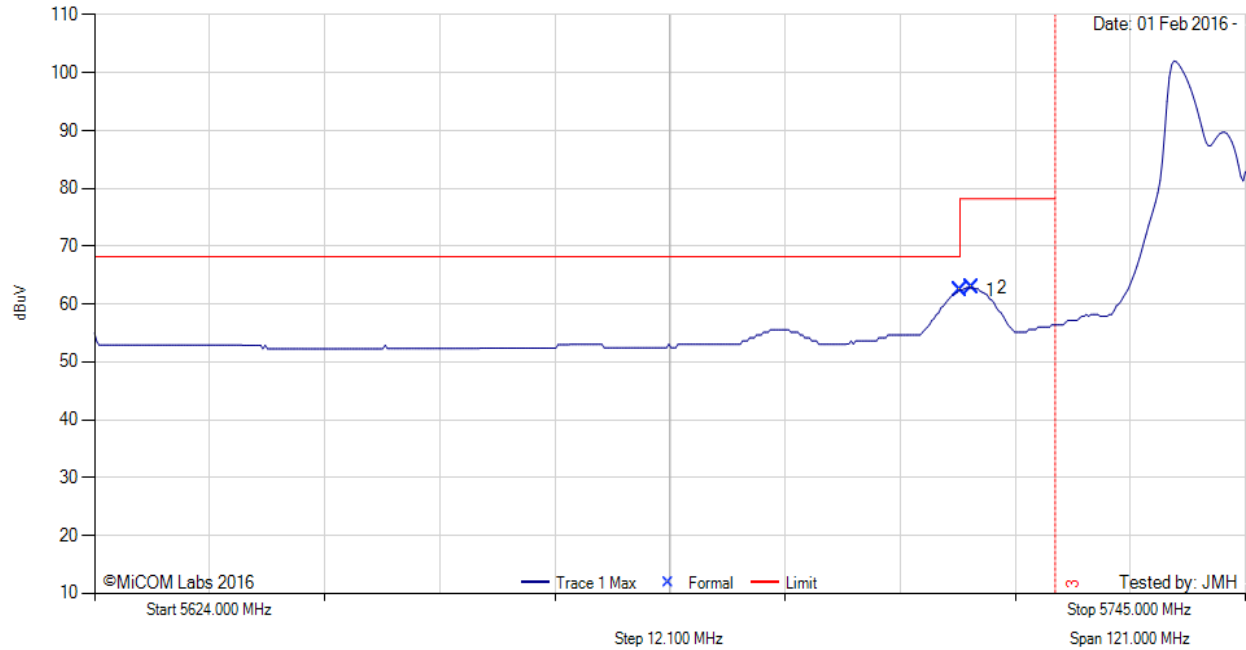
5725 MHz RADIATED BAND-EDGE EMISSIONS

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

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz
VBW: 3 MHz



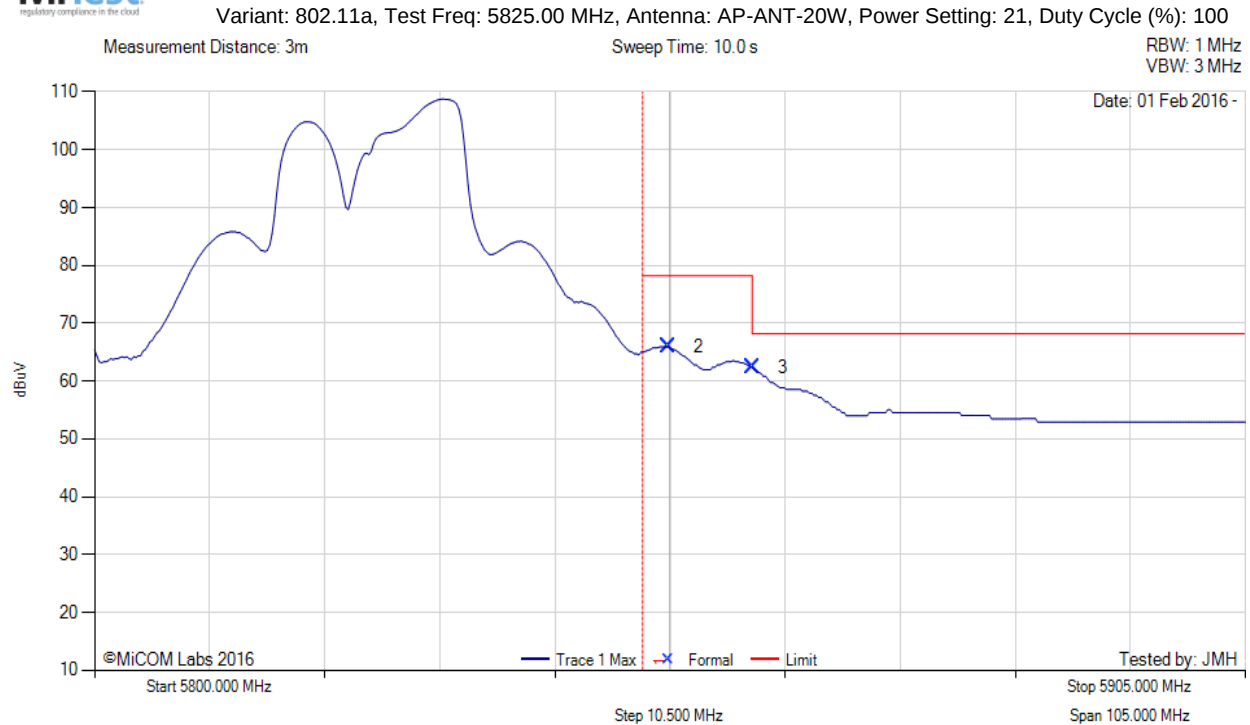
Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5715.00	24.29	3.81	34.34	62.44	Marker	Horizontal	146	18	68.2	-5.8	Pass
2	5716.27	24.68	3.81	34.34	62.83	Marker	Horizontal	146	18	78.2	-15.4	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



5850 MHz RADIATED BAND-EDGE EMISSIONS



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
2	5852.31	27.46	3.82	34.63	65.91	Marker	Horizontal	147	357	78.2	-12.3	Pass
3	5860.00	23.89	3.86	34.65	62.40	Marker	Horizontal	147	357	78.2	-15.8	Pass
1	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 293 of 350



5850 MHz RADIATED BAND-EDGE EMISSIONS

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

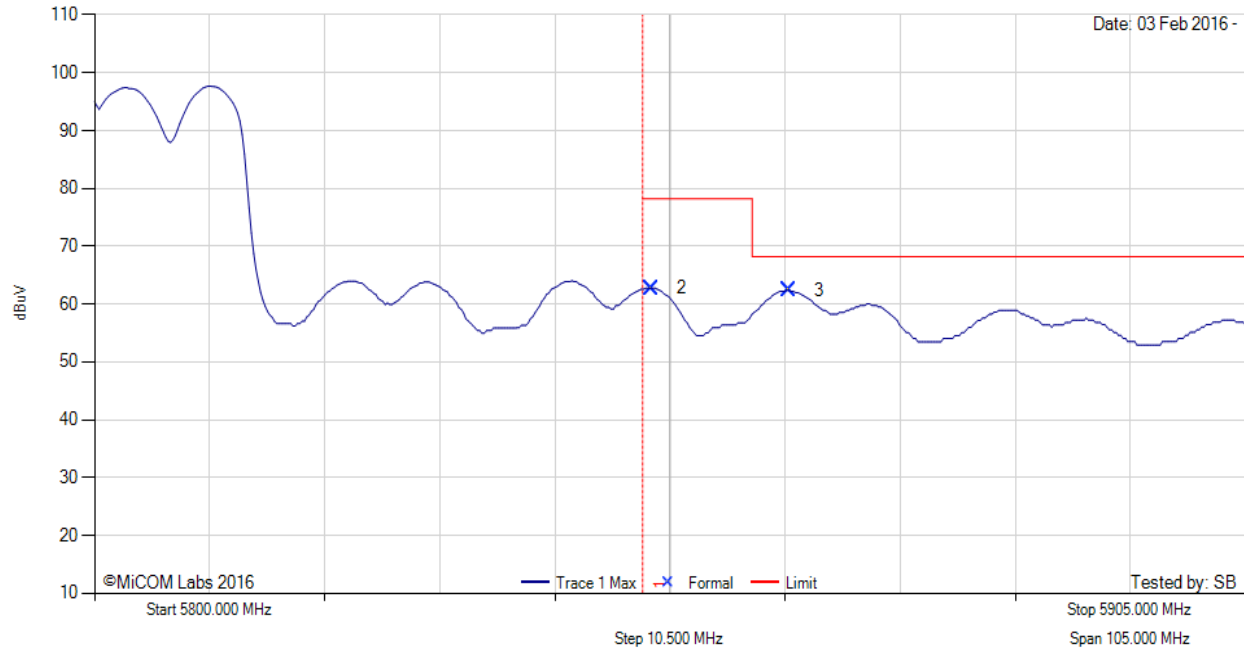
Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz

Date: 03 Feb 2016 -



Num	Frequency 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	5850.84	24.34	3.81	34.63	62.78	Marker	Horizontal	141	298	78.2	-15.5	Pass
3	5863.37	23.90	3.85	34.66	62.41	Marker	Horizontal	141	298	68.2	-5.8	Pass
1	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5825.00 MHz, Antenna: AP-ANT-20W, Power Setting: 21, Duty Cycle (%): 100

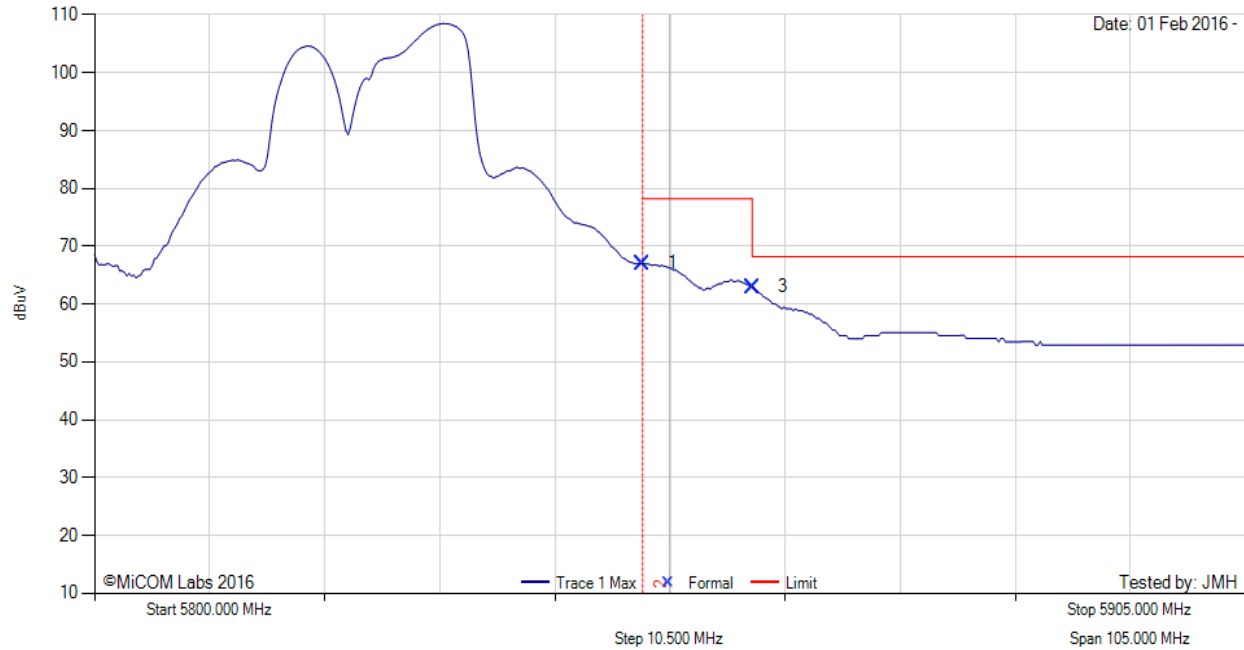
Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz

Date: 01 Feb 2016 -



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5850.00	28.62	3.81	34.63	67.06	Marker	Horizontal	147	357	78.2	-11.2	Pass
3	5860.00	24.49	3.86	34.65	63.00	Marker	Horizontal	147	357	78.2	-15.2	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 295 of 350



5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5795.00 MHz, Antenna: AP-ANT-20W, Power Setting: 21, Duty Cycle (%): 100

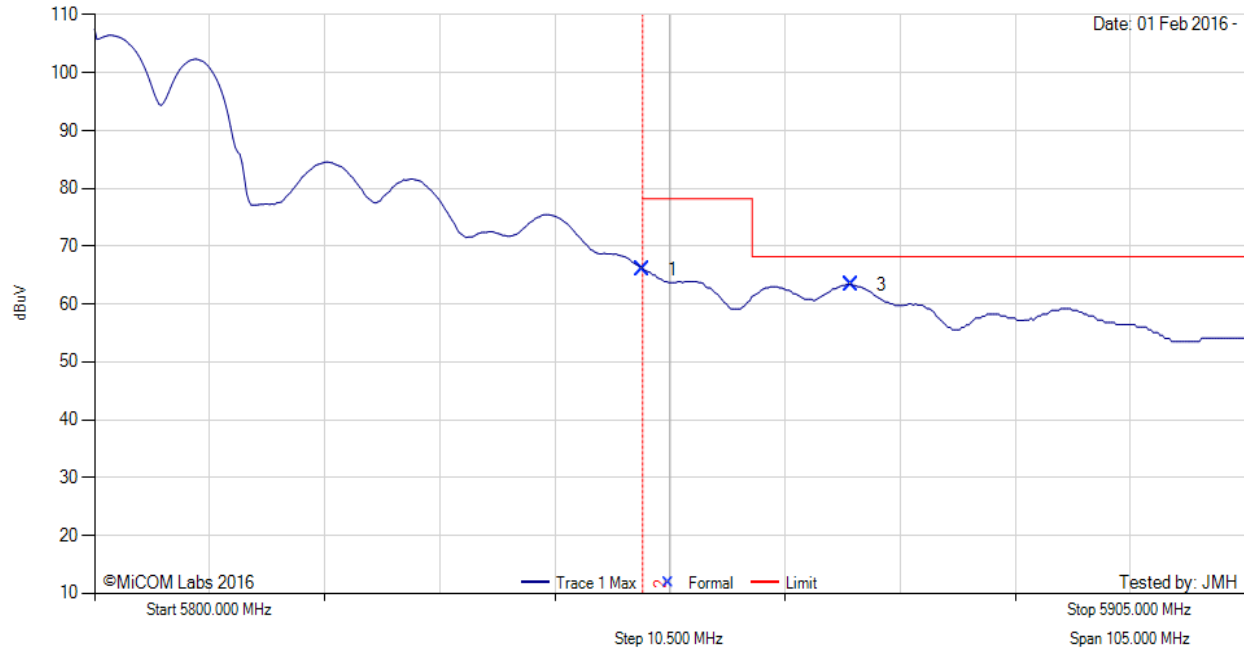
Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz

Date: 01 Feb 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5850.00	27.60	3.81	34.63	66.04	Marker	Horizontal	147	357	78.2	-12.2	Pass
3	5869.05	24.90	3.82	34.68	63.40	Marker	Horizontal	147	357	68.2	-4.8	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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

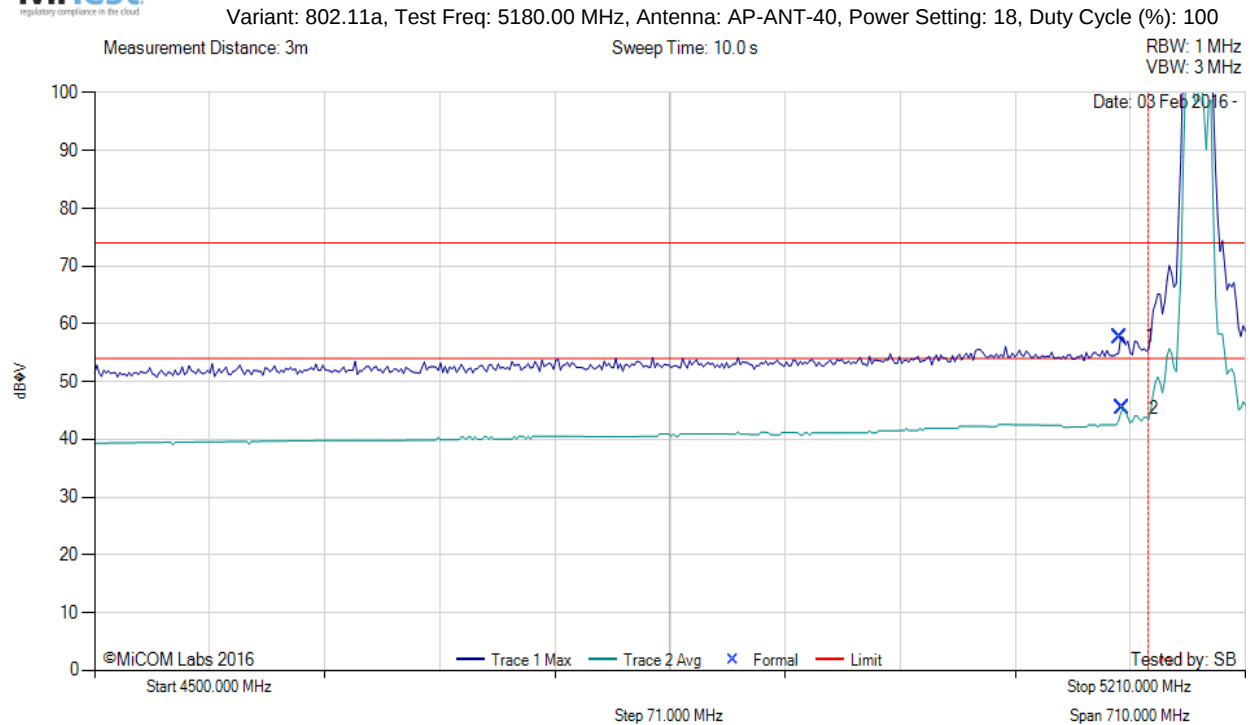


Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 296 of 350

A.1.2.5. AP-ANT-40



RESTRICTED LOWER BAND-EDGE EMISSIONS



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5132.53	19.95	3.69	34.12	57.76	Max Peak	Horizontal	154	-6	74.0	-16.2	Pass
2	5134.35	7.56	3.69	34.12	45.37	Max Avg	Horizontal	154	-6	54.0	-8.6	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 297 of 350



RESTRICTED LOWER BAND-EDGE EMISSIONS

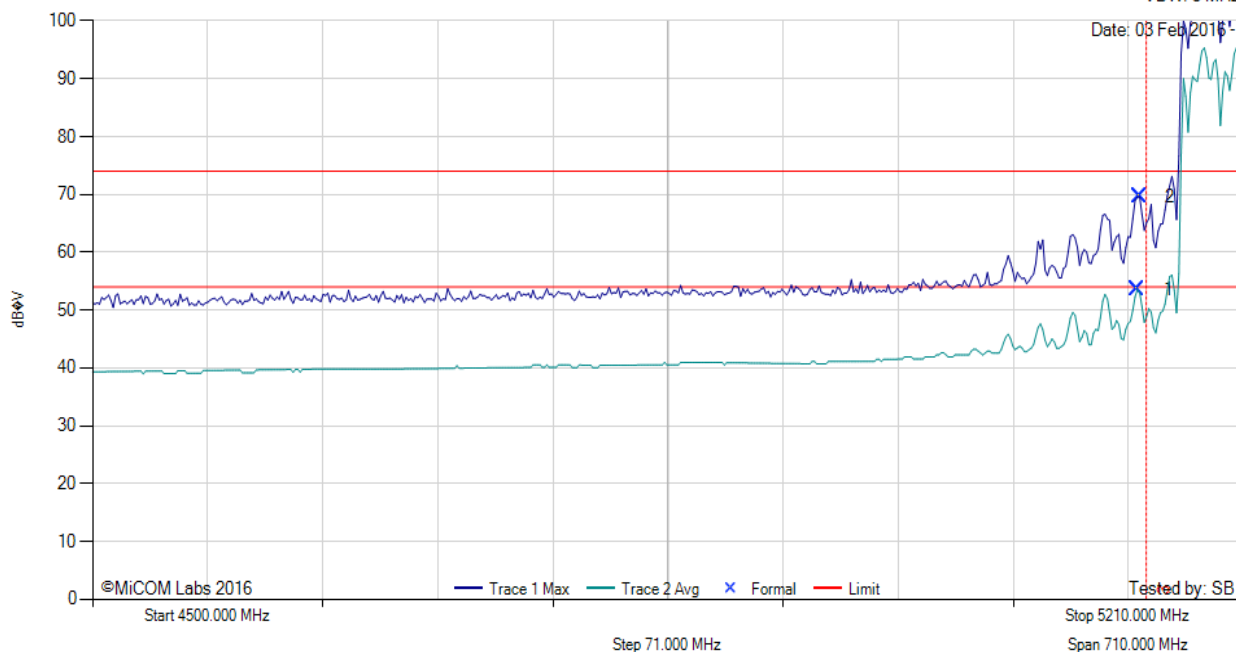
Variant: 802.11ac-80, Test Freq: 5210.00 MHz, Antenna: AP-ANT-40, Power Setting: 15.5, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5144.79	15.73	3.69	34.11	53.53	Max Avg	Horizontal	154	-6	54.0	-0.5	Pass
2	5146.09	31.79	3.69	34.11	69.59	Max Peak	Horizontal	154	-6	74.0	-4.4	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 298 of 350



RESTRICTED LOWER BAND-EDGE EMISSIONS

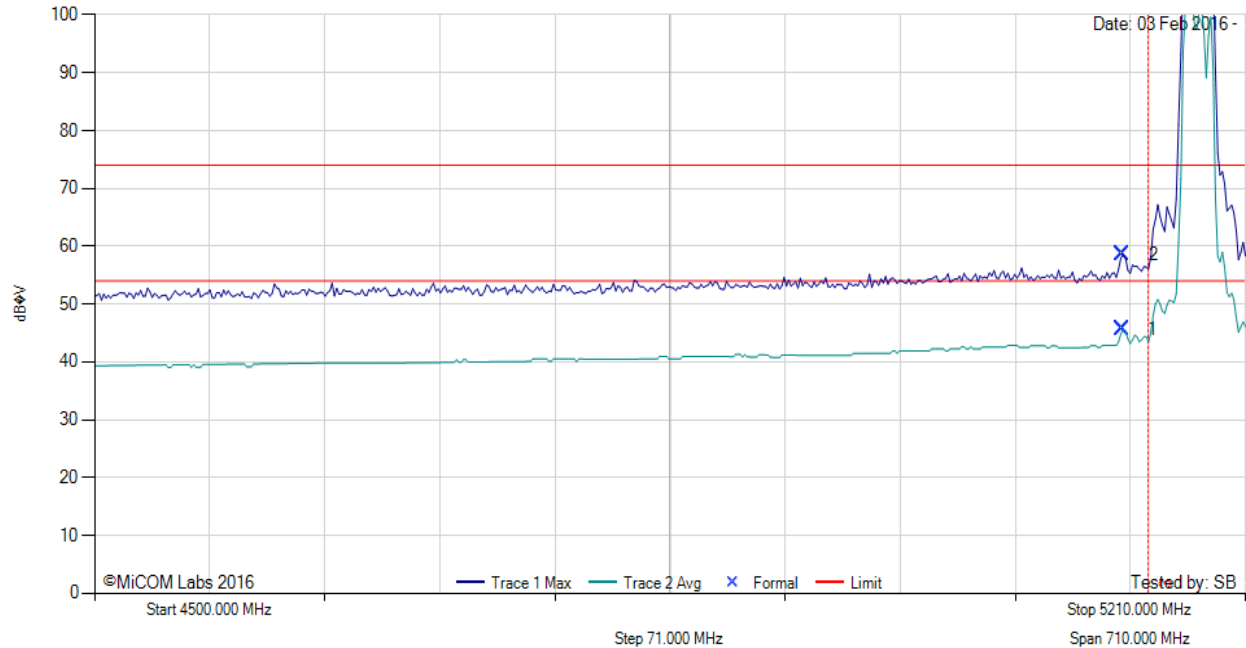
Variant: 802.11n HT-20, Test Freq: 5180.00 MHz, Antenna: AP-ANT-40, Power Setting: 18, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5134.13	7.80	3.69	34.12	45.61	Max Avg	Horizontal	154	-6	54.0	-8.4	Pass
2	5134.37	20.73	3.69	34.12	58.54	Max Peak	Horizontal	154	-6	74.0	-15.5	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

[back to matrix](#)

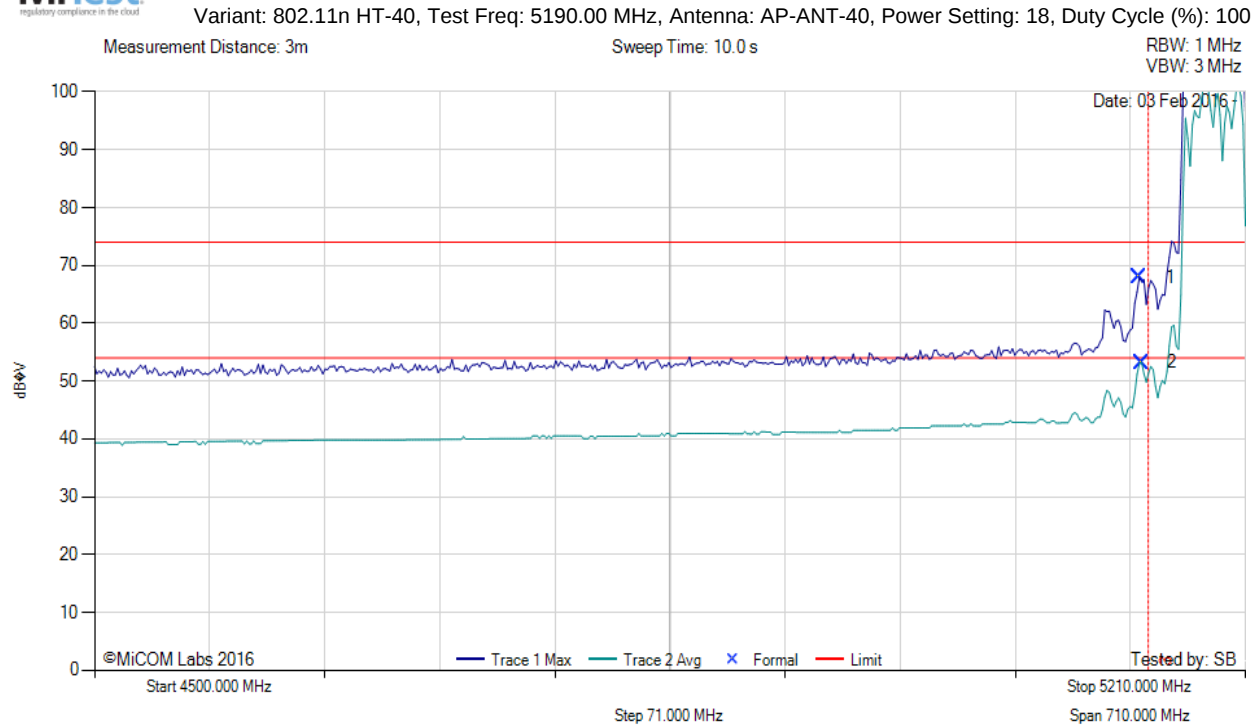
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 299 of 350



RESTRICTED LOWER BAND-EDGE EMISSIONS



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5144.67	30.14	3.69	34.11	67.94	Max Peak	Horizontal	154	-6	74.0	-6.1	Pass
2	5146.09	15.45	3.69	34.11	53.25	Max Avg	Horizontal	154	-6	54.0	-0.8	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

[back to matrix](#)

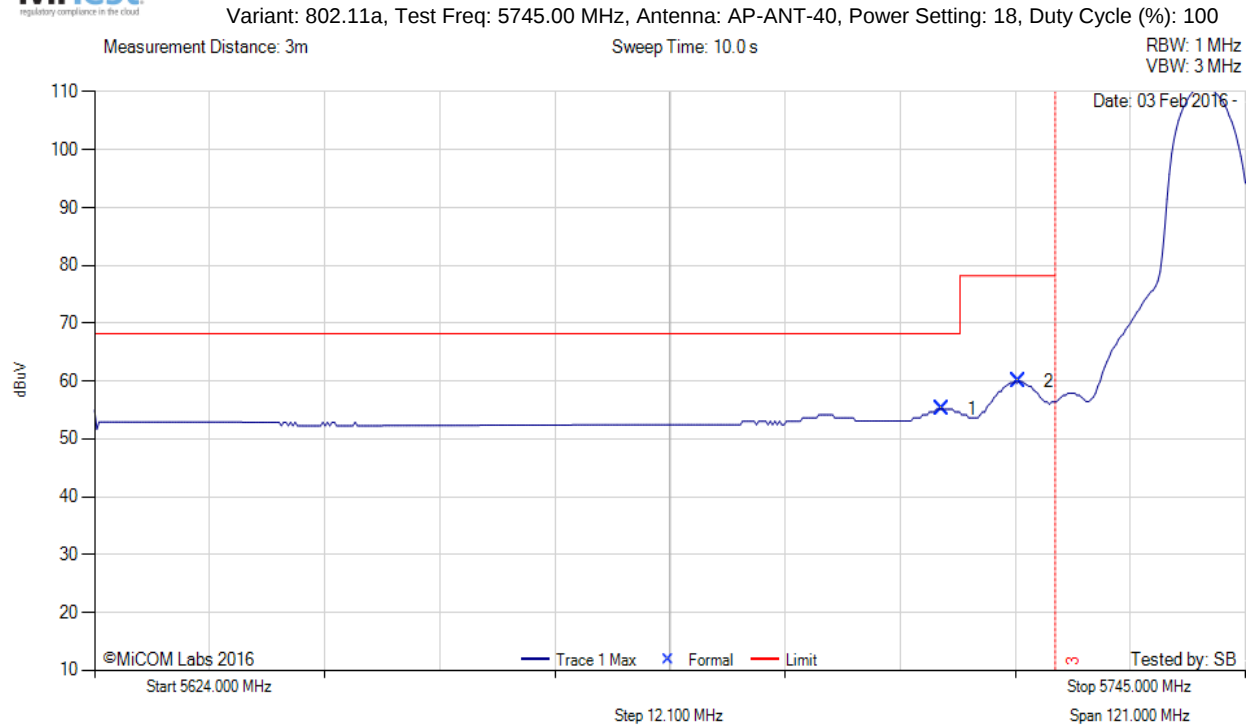
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 300 of 350



5725 MHz RADIATED BAND-EDGE EMISSIONS



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5713.06	16.98	3.82	34.34	55.14	Marker	Horizontal	153	330	68.2	-13.1	Pass
2	5721.12	21.80	3.80	34.35	59.95	Marker	Horizontal	153	330	78.2	-18.3	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 301 of 350



5725 MHz RADIATED BAND-EDGE EMISSIONS

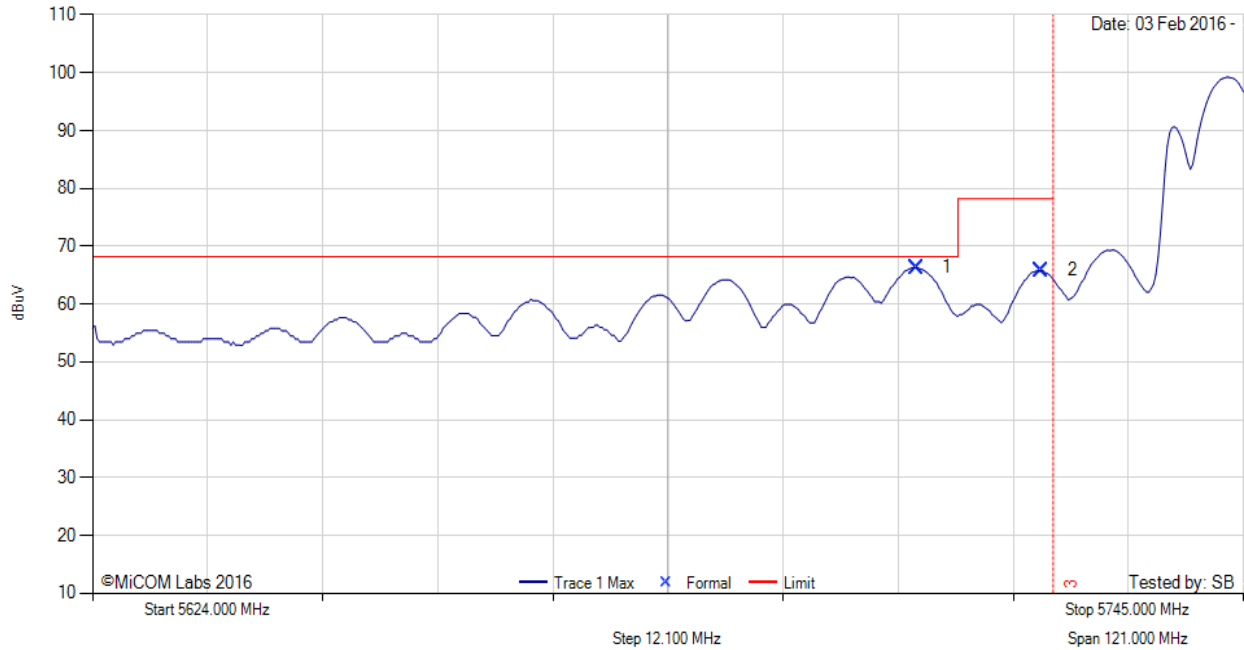
Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: AP-ANT-40, Power Setting: 17.5, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5710.64	28.17	3.83	34.34	66.34	Marker	Horizontal	153	330	68.2	-1.9	Pass
2	5723.79	27.70	3.79	34.35	65.84	Marker	Horizontal	153	330	78.2	-12.4	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 302 of 350



5725 MHz RADIATED BAND-EDGE EMISSIONS

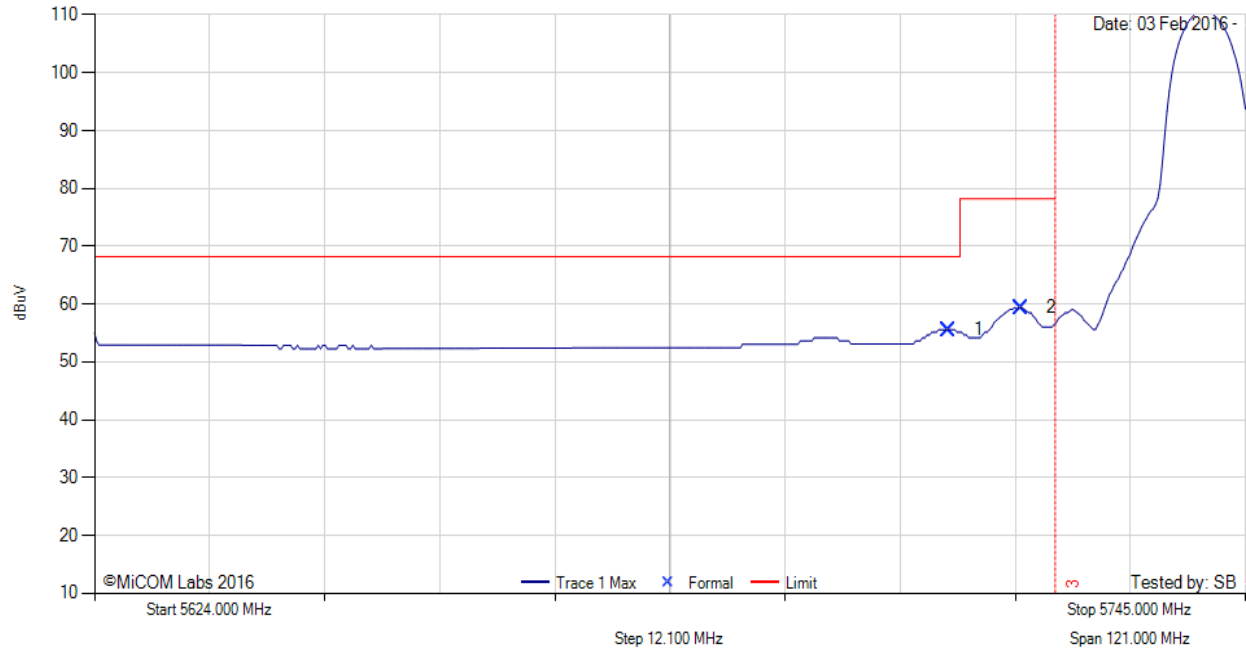
Variant: 802.11n HT-20, Test Freq: 5745.00 MHz, Antenna: AP-ANT-40, Power Setting: 18, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5713.79	17.43	3.82	34.34	55.59	Marker	Horizontal	153	330	68.2	-12.6	Pass
2	5721.36	21.26	3.80	34.35	59.41	Marker	Horizontal	153	330	78.2	-18.8	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 303 of 350



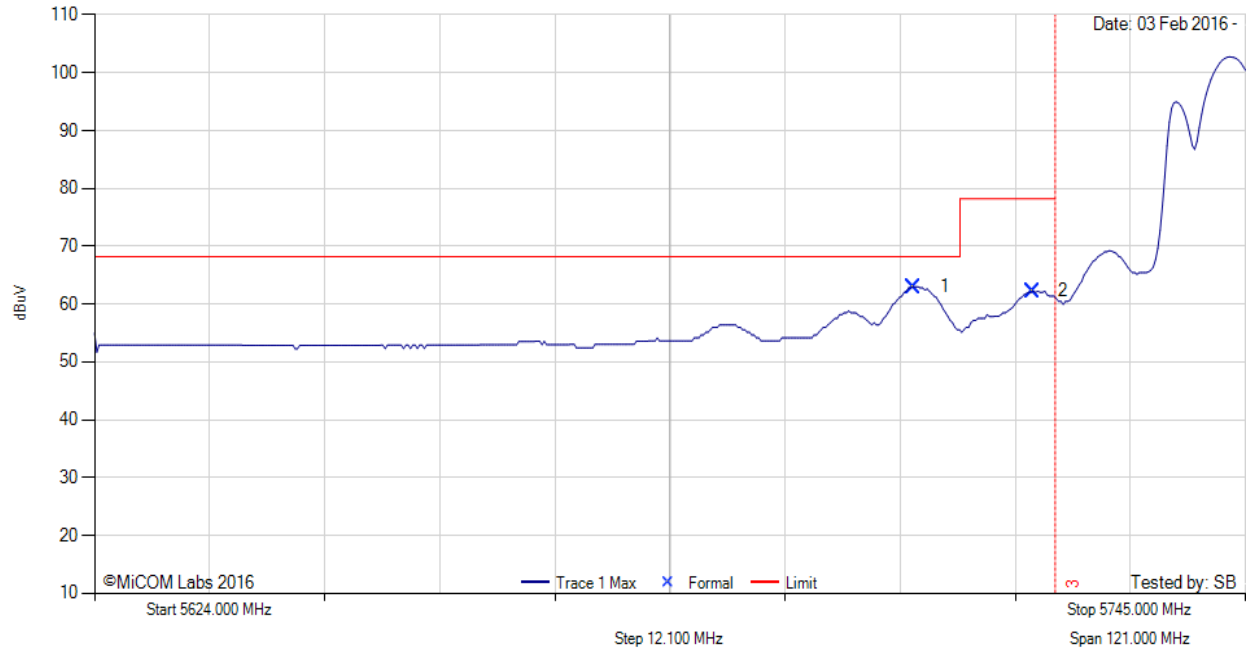
5725 MHz RADIATED BAND-EDGE EMISSIONS

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

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz
VBW: 3 MHz



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5710.15	24.83	3.84	34.34	63.01	Marker	Horizontal	153	330	68.2	-5.2	Pass
2	5722.58	24.10	3.80	34.35	62.25	Marker	Horizontal	153	330	78.2	-16.0	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

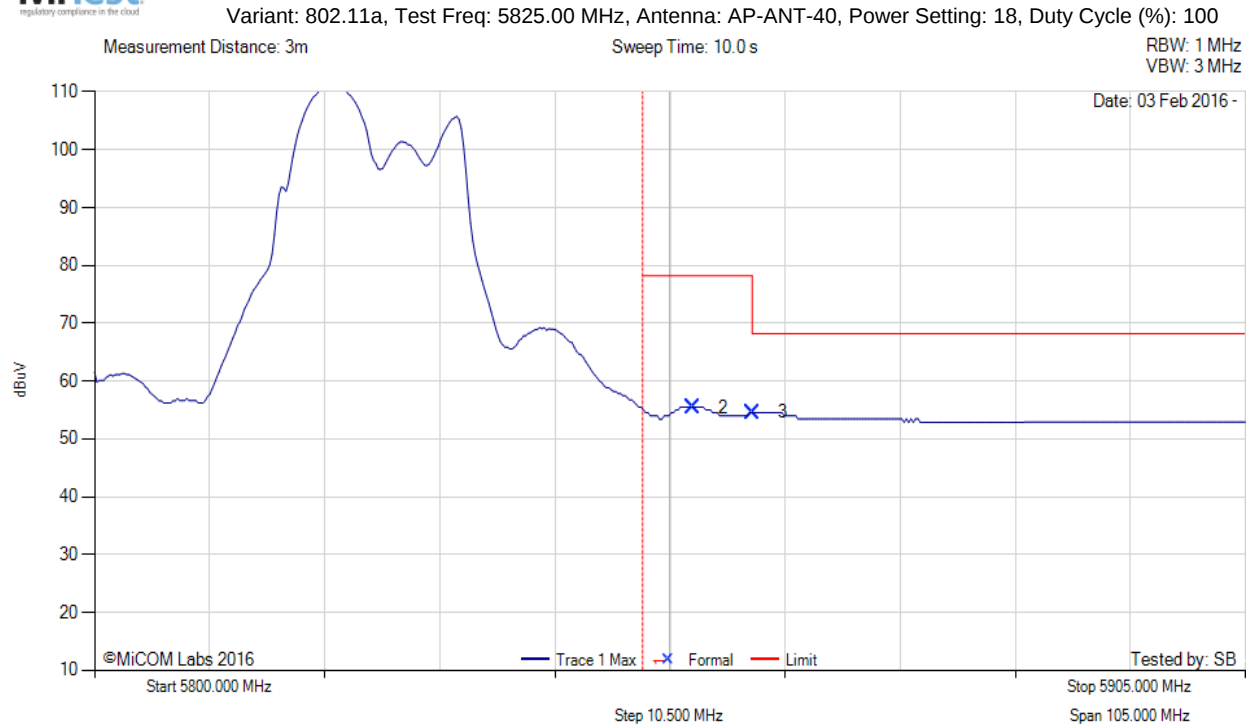
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 304 of 350



5850 MHz RADIATED BAND-EDGE EMISSIONS



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
2	5854.63	17.03	3.83	34.64	55.50	Marker	Horizontal	153	330	78.2	-22.7	Pass
3	5860.00	16.04	3.86	34.65	54.55	Marker	Horizontal	153	330	78.2	-23.7	Pass
1	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 305 of 350



5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: AP-ANT-40, Power Setting: 17.5, Duty Cycle (%): 100

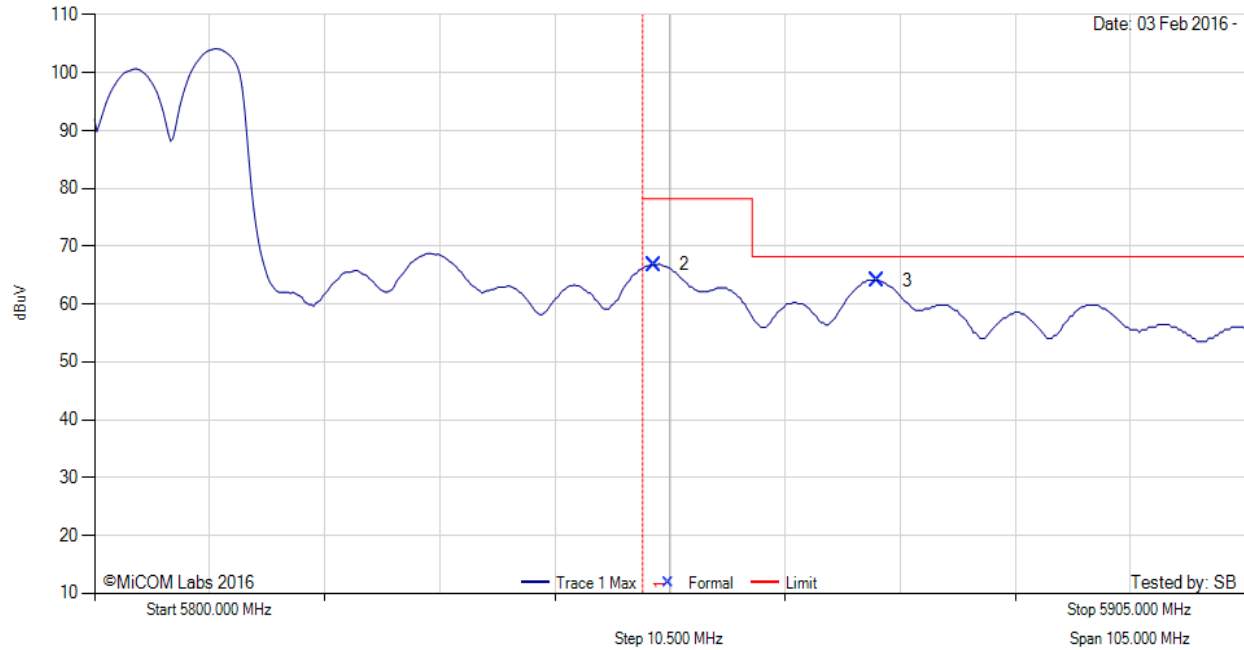
Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz

Date: 03 Feb 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
2	5851.05	28.38	3.81	34.63	66.82	Marker	Horizontal	153	330	78.2	-11.4	Pass
3	5871.36	25.62	3.81	34.68	64.11	Marker	Horizontal	153	330	68.2	-4.1	Pass
1	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5825.00 MHz, Antenna: AP-ANT-40, Power Setting: 18, Duty Cycle (%): 100

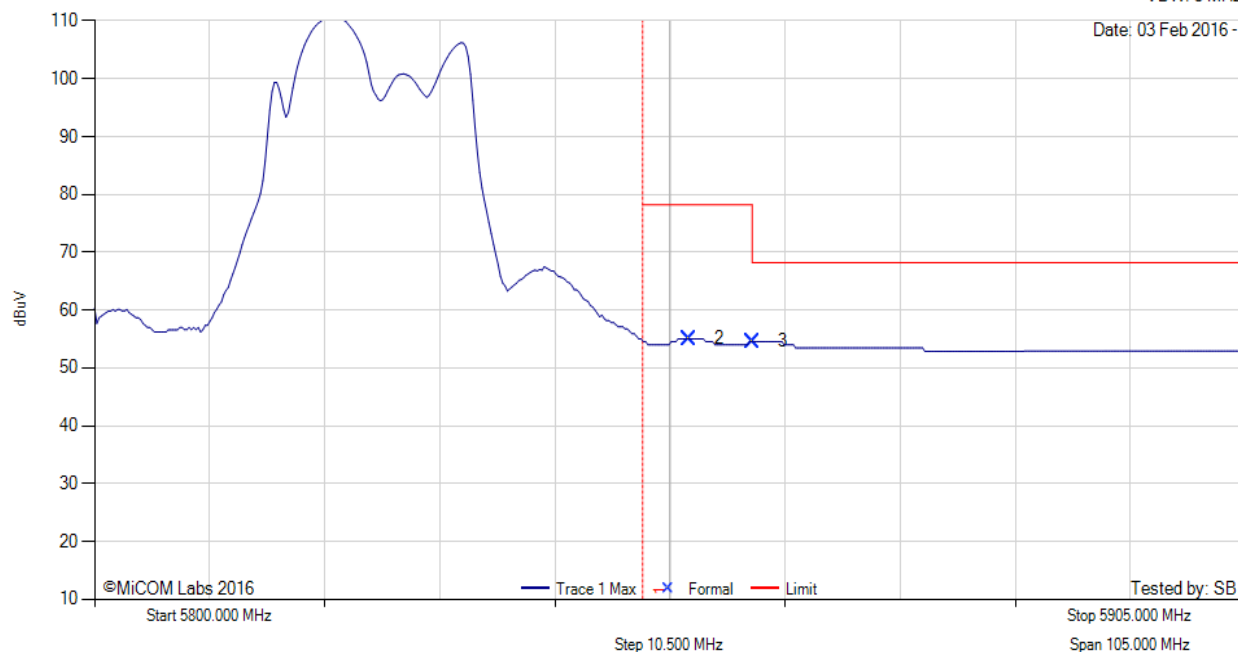
Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz

Date: 03 Feb 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
2	5854.21	16.56	3.83	34.64	55.03	Marker	Horizontal	153	330	78.2	-23.2	Pass
3	5860.00	16.04	3.86	34.65	54.55	Marker	Horizontal	153	330	78.2	-23.7	Pass
1	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



5850 MHz RADIATED BAND-EDGE EMISSIONS

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

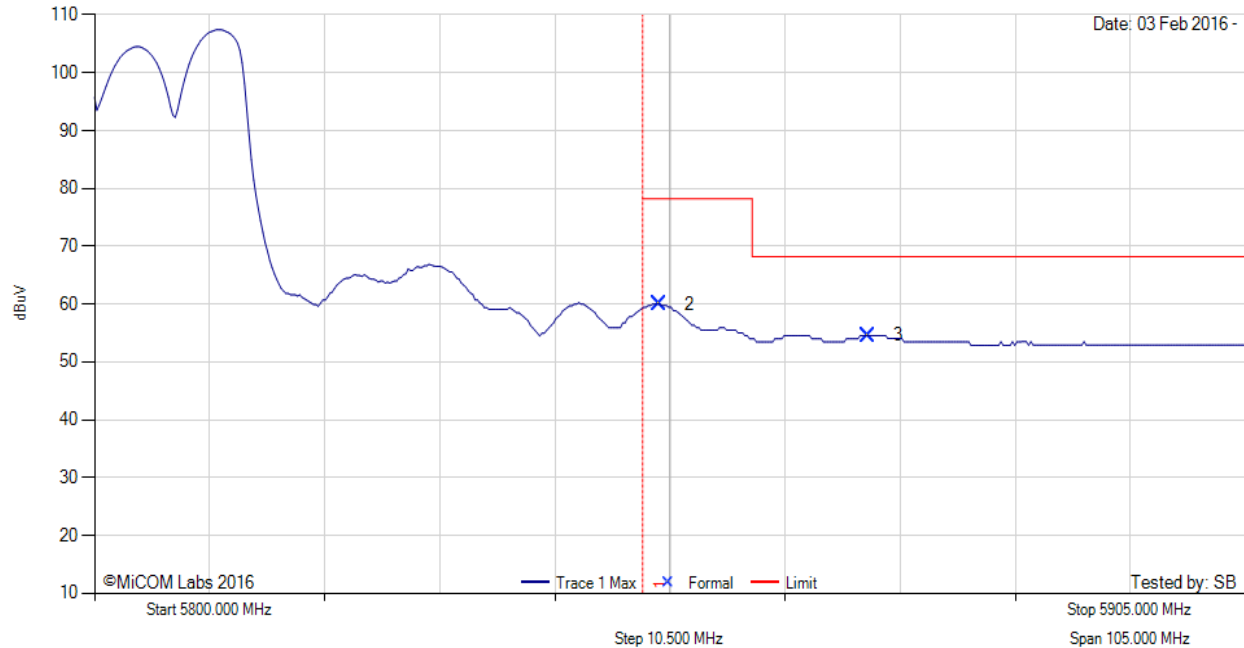
Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz

Date: 03 Feb 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
2	5851.47	21.58	3.81	34.63	60.02	Marker	Horizontal	153	330	78.2	-18.2	Pass
3	5870.52	16.08	3.81	34.68	54.57	Marker	Horizontal	153	330	68.2	-13.7	Pass
1	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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

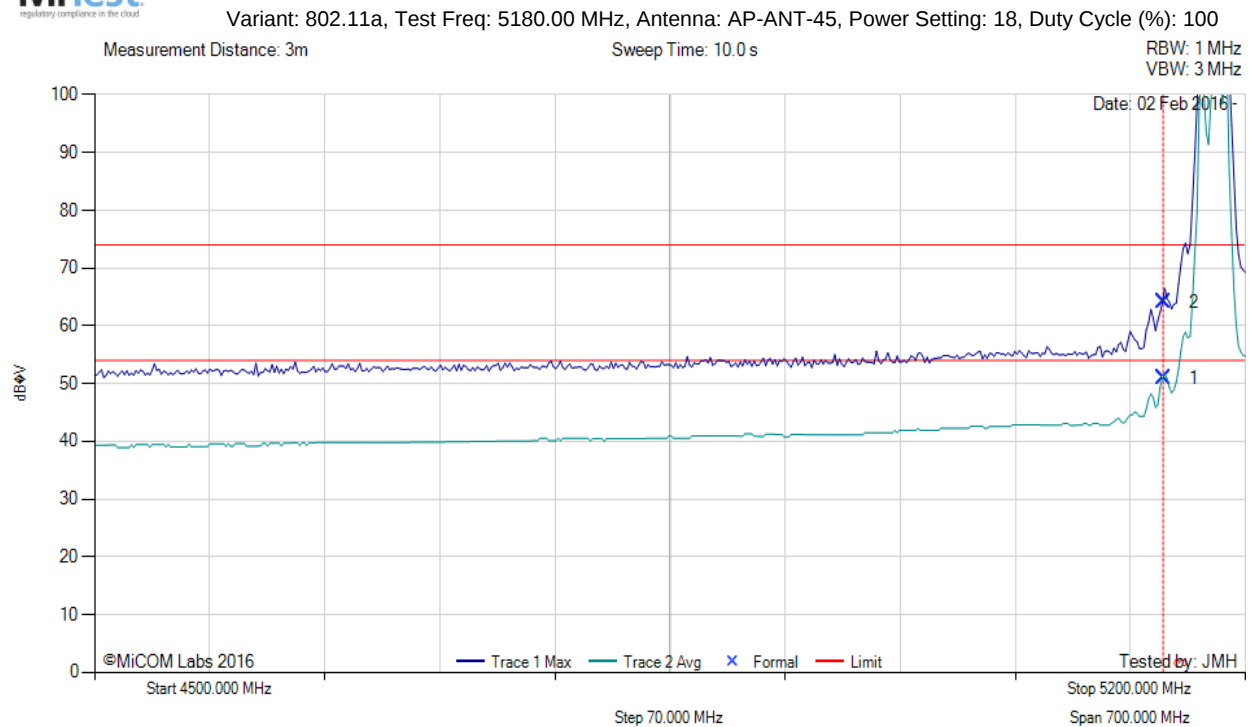


Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 308 of 350

A.1.2.6. AP-ANT-45



RESTRICTED LOWER BAND-EDGE EMISSIONS



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5150.00	13.13	3.67	34.11	50.91	Max Avg	Vertical	161	6	54.0	-3.1	Pass
2	5150.00	26.28	3.67	34.11	64.06	Max Peak	Vertical	161	6	74.0	-9.9	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 309 of 350



RESTRICTED LOWER BAND-EDGE EMISSIONS

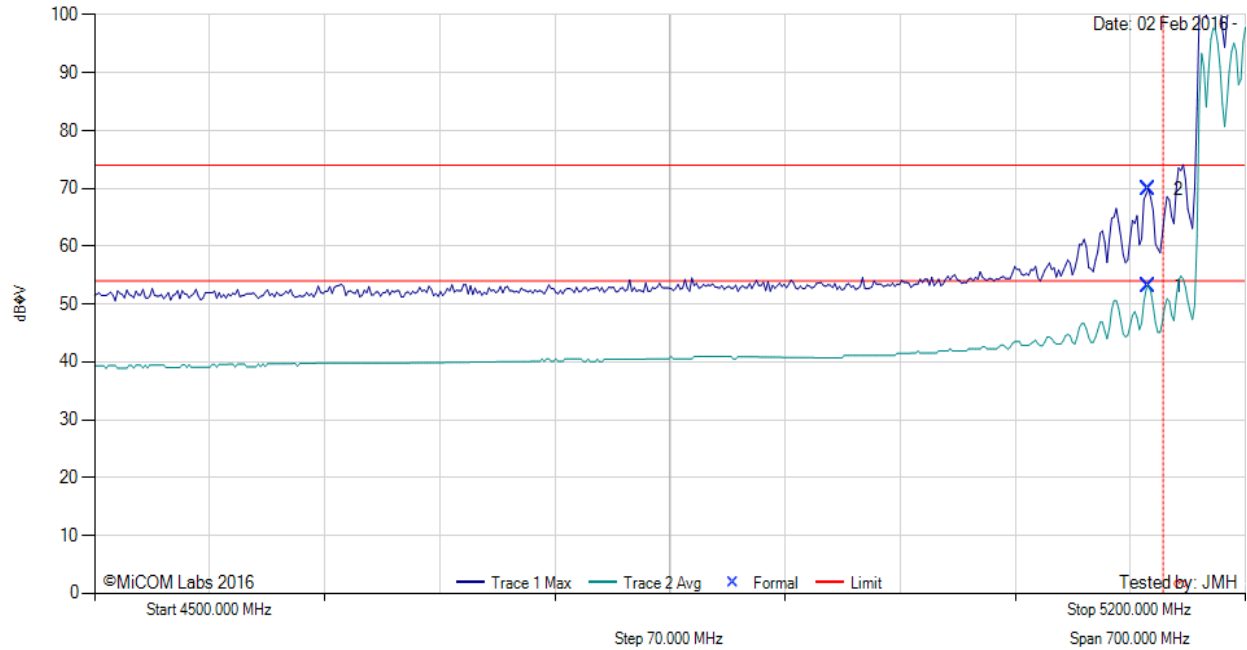
Variant: 802.11ac-80, Test Freq: 5210.00 MHz, Antenna: AP-ANT-45, Power Setting: 12.5, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5140.98	15.32	3.70	34.12	53.14	Max Avg	Vertical	161	6	54.0	-0.9	Pass
2	5140.98	32.05	3.70	34.12	69.87	Max Peak	Vertical	161	6	74.0	-4.1	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

[back to matrix](#)

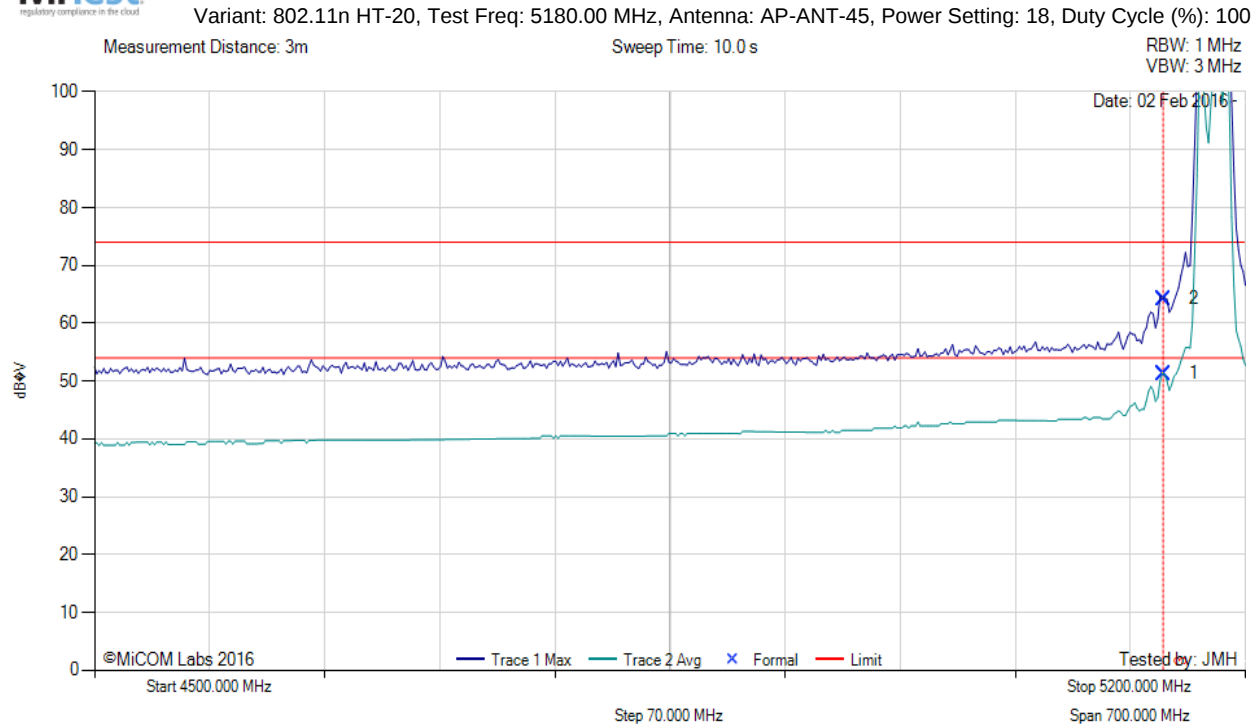
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 310 of 350



RESTRICTED LOWER BAND-EDGE EMISSIONS



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5150.00	13.51	3.67	34.11	51.29	Max Avg	Vertical	161	6	54.0	-2.7	Pass
2	5150.00	26.48	3.67	34.11	64.26	Max Peak	Vertical	161	6	74.0	-9.7	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

[back to matrix](#)

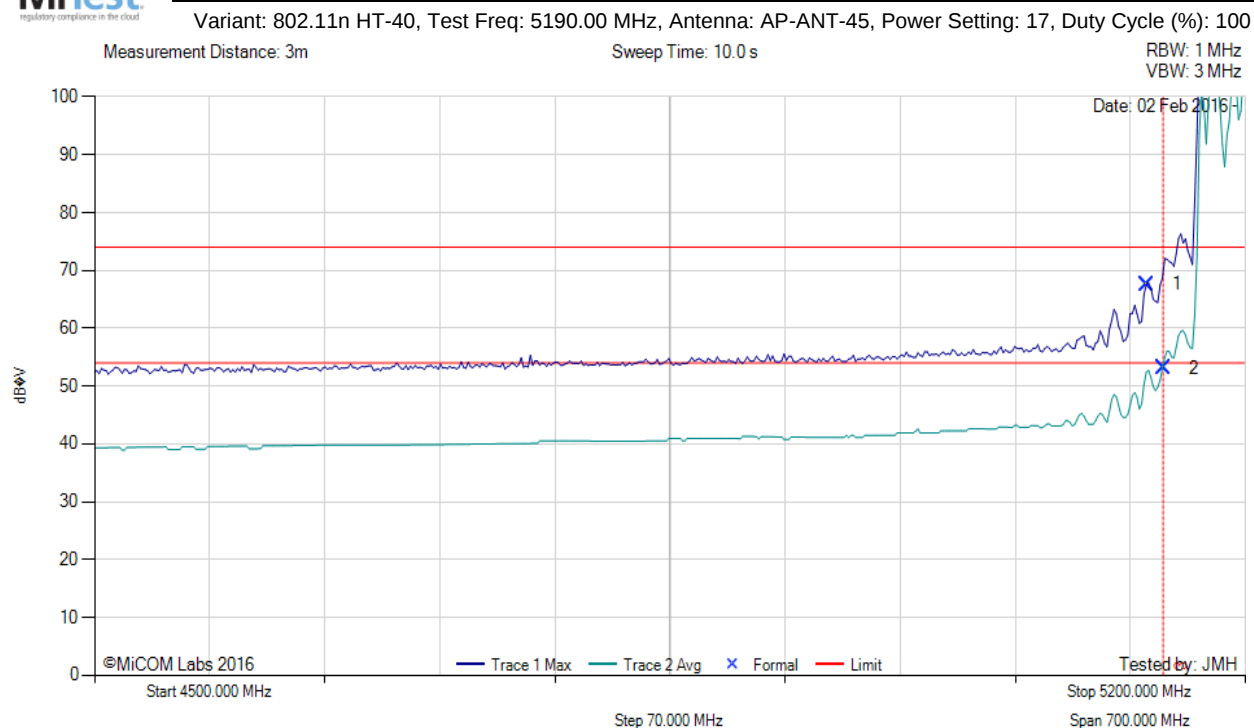
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 311 of 350



RESTRICTED LOWER BAND-EDGE EMISSIONS



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5139.68	29.76	3.70	34.12	67.58	Max Peak	Vertical	161	6	74.0	-6.4	Pass
2	5150.00	15.27	3.67	34.11	53.05	Max Avg	Vertical	161	6	54.0	-1.0	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

[back to matrix](#)

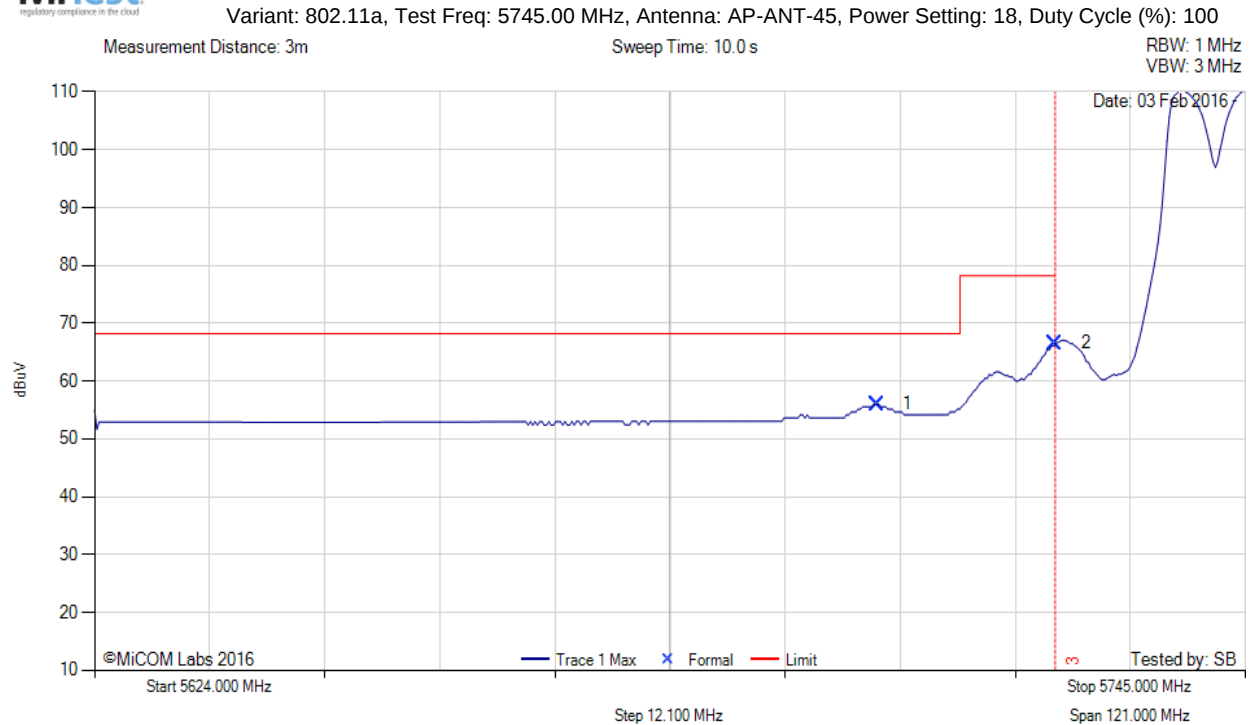
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 312 of 350



5725 MHz RADIATED BAND-EDGE EMISSIONS



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5706.27	17.82	3.86	34.33	56.01	Marker	Horizontal	160	40	68.2	-12.2	Pass
2	5725.00	28.47	3.79	34.35	66.61	Marker	Horizontal	160	40	78.2	-11.6	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 313 of 350



5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: AP-ANT-45, Power Setting: 18, Duty Cycle (%): 100

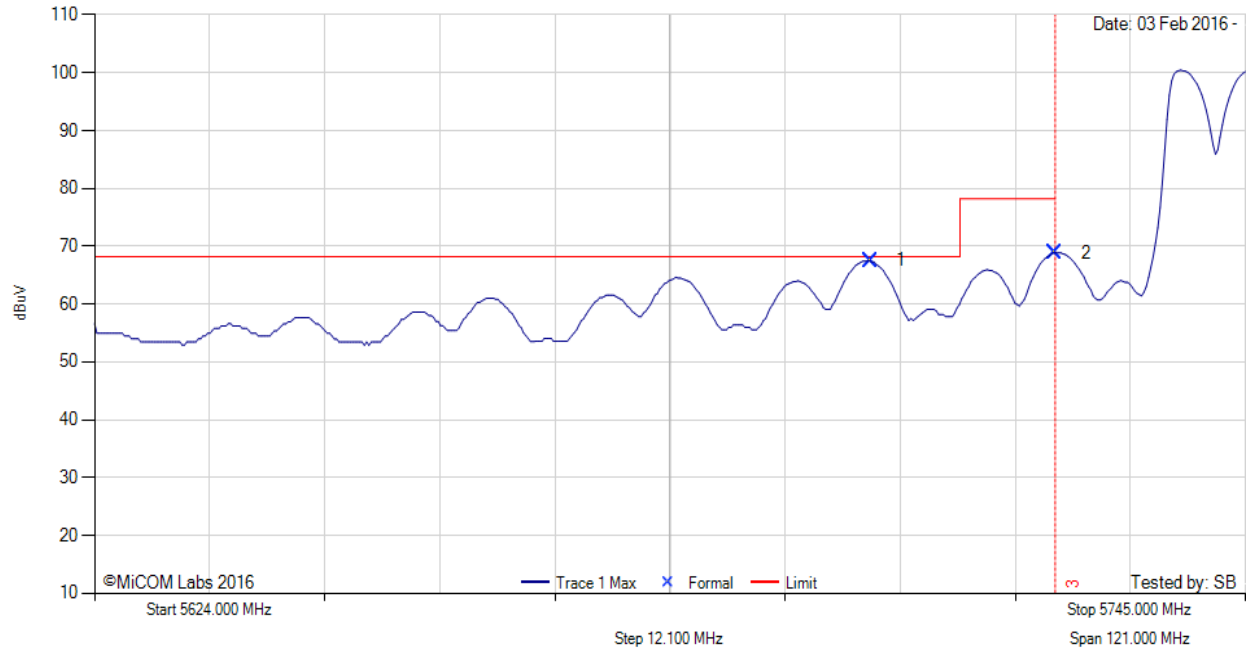
Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz

Date: 03 Feb 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5705.54	29.32	3.86	34.33	67.51	Marker	Vertical	160	40	68.2	-0.7	Pass
2	5725.00	30.72	3.79	34.35	68.86	Marker	Vertical	160	40	78.2	-9.4	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 314 of 350



5725 MHz RADIATED BAND-EDGE EMISSIONS

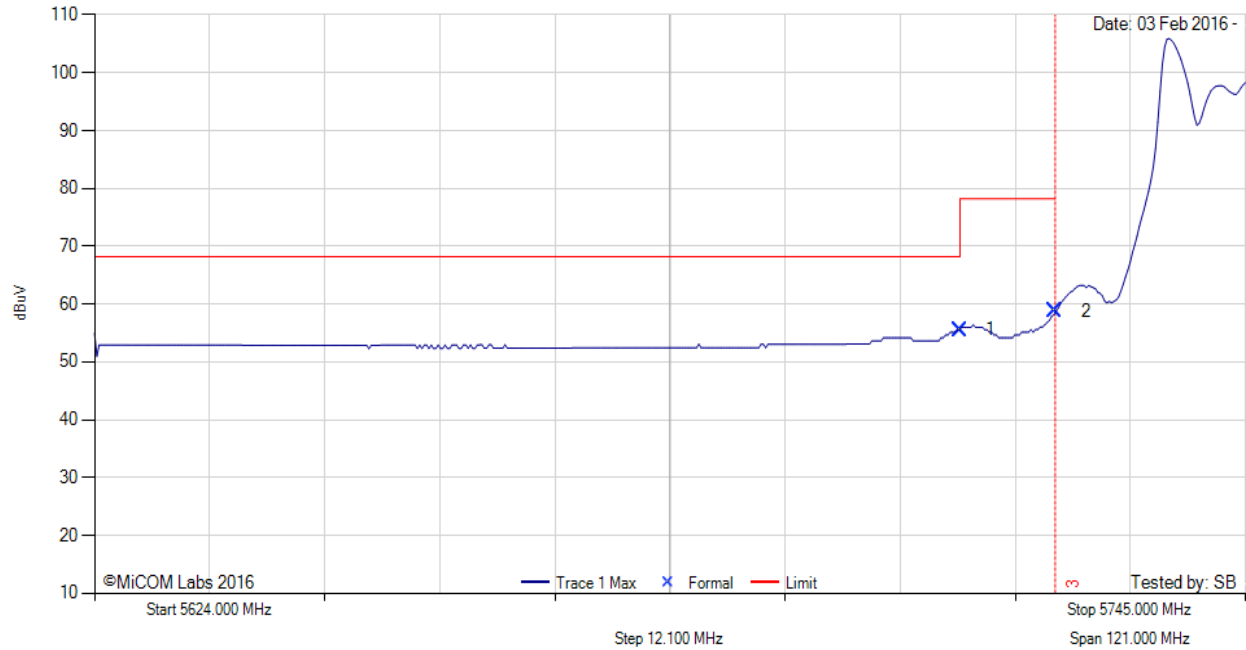
Variant: 802.11n HT-20, Test Freq: 5745.00 MHz, Antenna: AP-ANT-45, Power Setting: 18, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5715.00	17.44	3.81	34.34	55.59	Marker	Vertical	160	40	68.2	-12.6	Pass
2	5725.00	20.69	3.79	34.35	58.83	Marker	Vertical	160	40	78.2	-19.4	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 315 of 350



5725 MHz RADIATED BAND-EDGE EMISSIONS

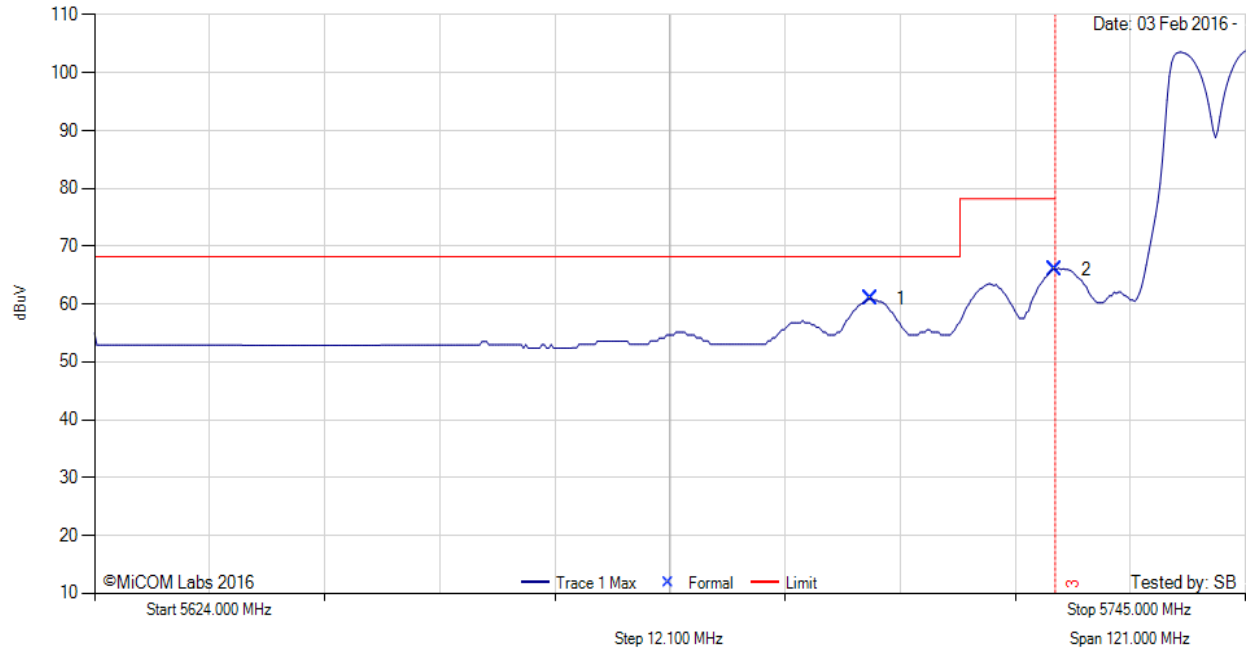
Variant: 802.11n HT-40, Test Freq: 5755.00 MHz, Antenna: AP-ANT-45, Power Setting: 18, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5705.54	22.74	3.86	34.33	60.93	Marker	Vertical	160	40	68.2	-7.3	Pass
2	5725.00	27.84	3.79	34.35	65.98	Marker	Vertical	160	40	78.2	-12.3	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

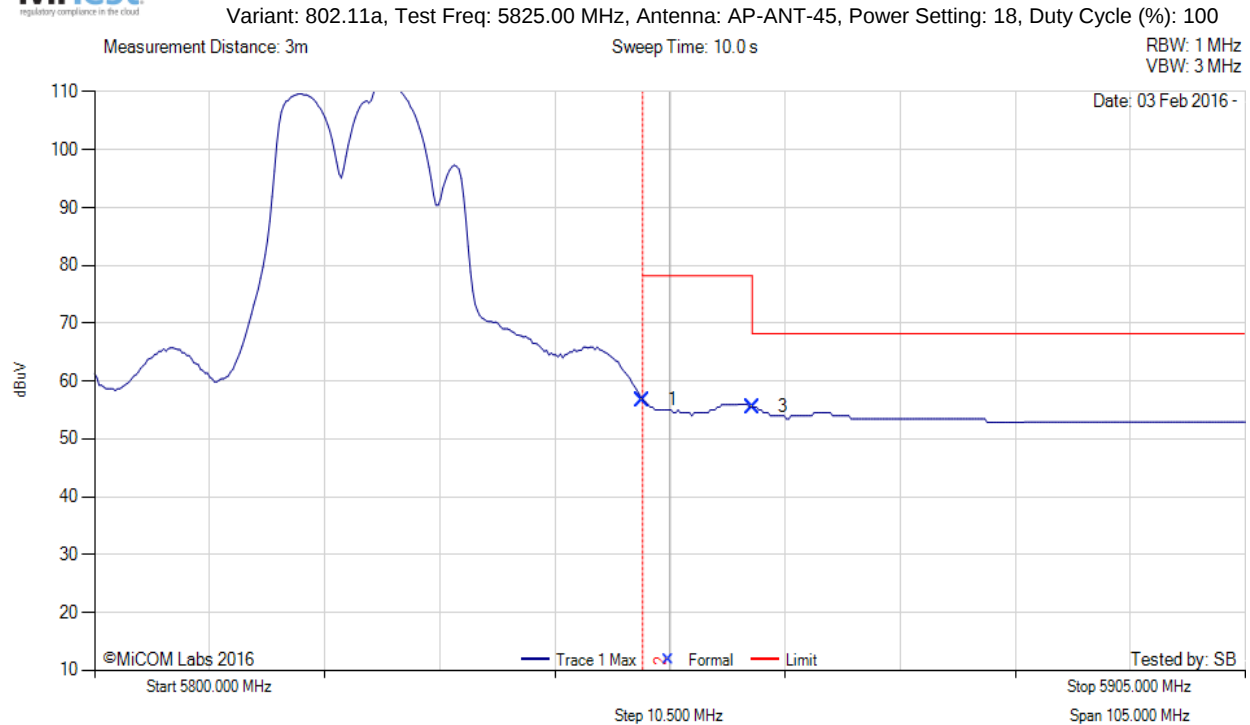
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 316 of 350



5850 MHz RADIATED BAND-EDGE EMISSIONS



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5850.00	18.32	3.81	34.63	56.76	Marker	Horizontal	160	31	78.2	-21.5	Pass
3	5860.00	17.00	3.86	34.65	55.51	Marker	Horizontal	160	31	78.2	-22.7	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: AP-ANT-45, Power Setting: 18, Duty Cycle (%): 100

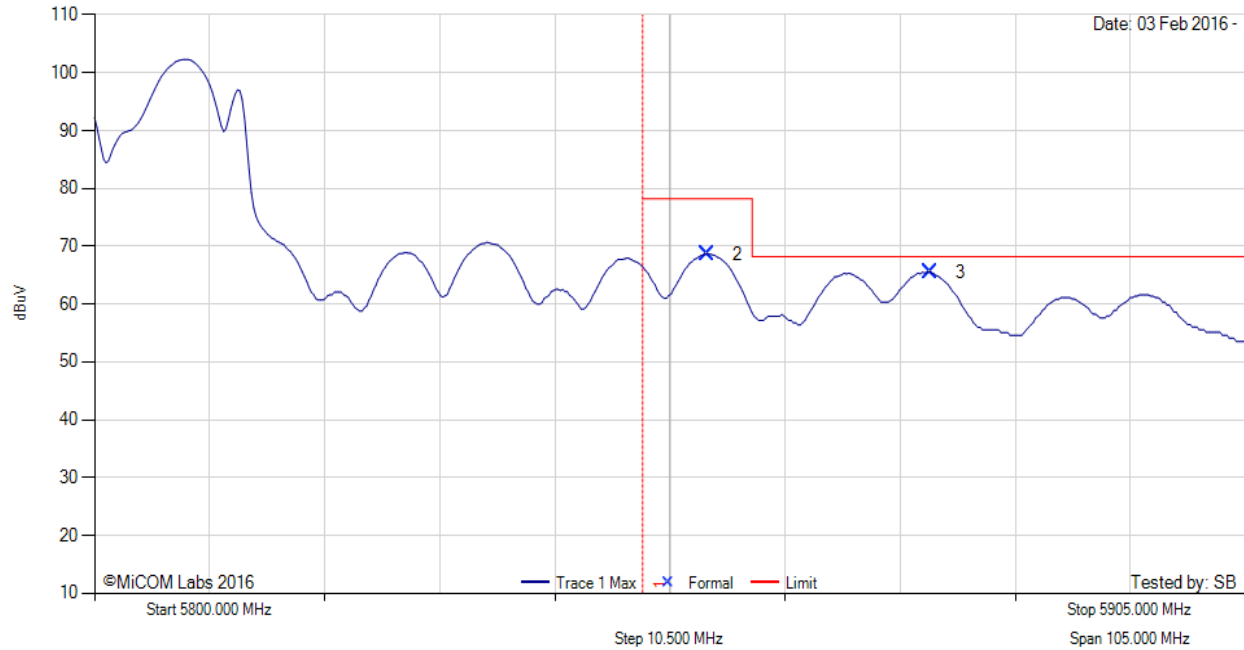
Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz

Date: 03 Feb 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
2	5855.89	30.14	3.84	34.64	68.62	Marker	Horizontal	160	31	78.2	-9.6	Pass
3	5876.20	27.02	3.81	34.70	65.53	Marker	Horizontal	160	31	68.2	-2.7	Pass
1	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 318 of 350



5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5825.00 MHz, Antenna: AP-ANT-45, Power Setting: 18, Duty Cycle (%): 100

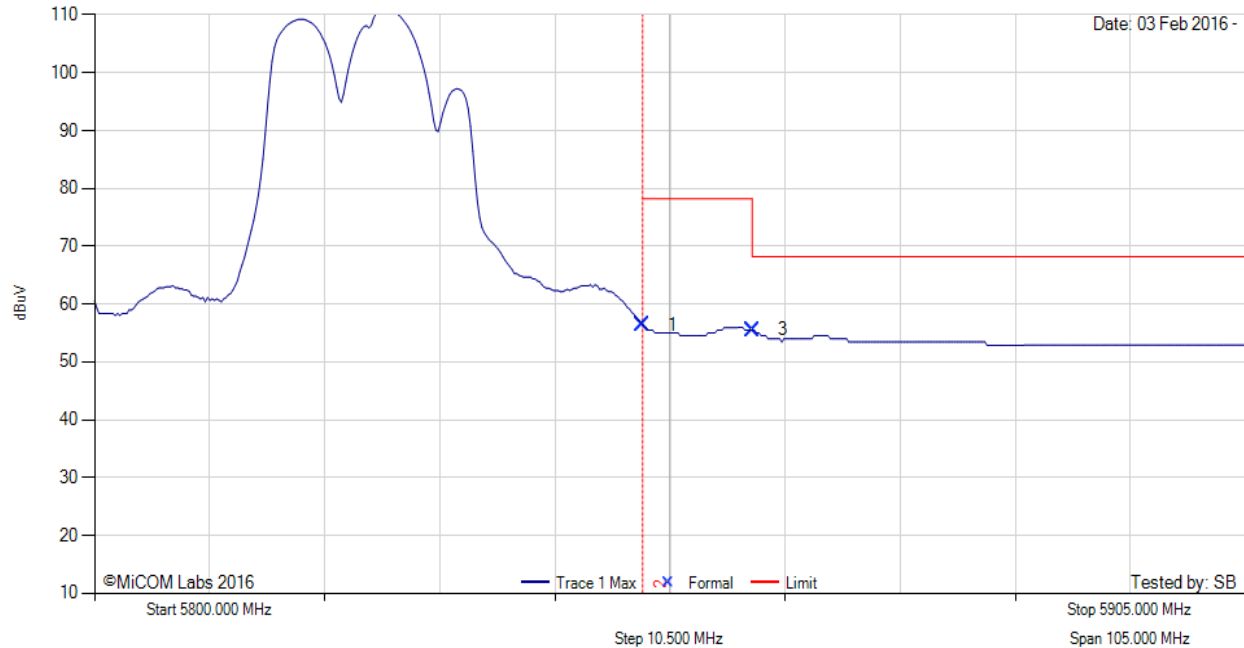
Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz

Date: 03 Feb 2016 -



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5850.00	17.92	3.81	34.63	56.36	Marker	Horizontal	160	31	78.2	-21.9	Pass
3	5860.00	17.00	3.86	34.65	55.51	Marker	Horizontal	160	31	78.2	-22.7	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 319 of 350



5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5795.00 MHz, Antenna: AP-ANT-45, Power Setting: 18, Duty Cycle (%): 100

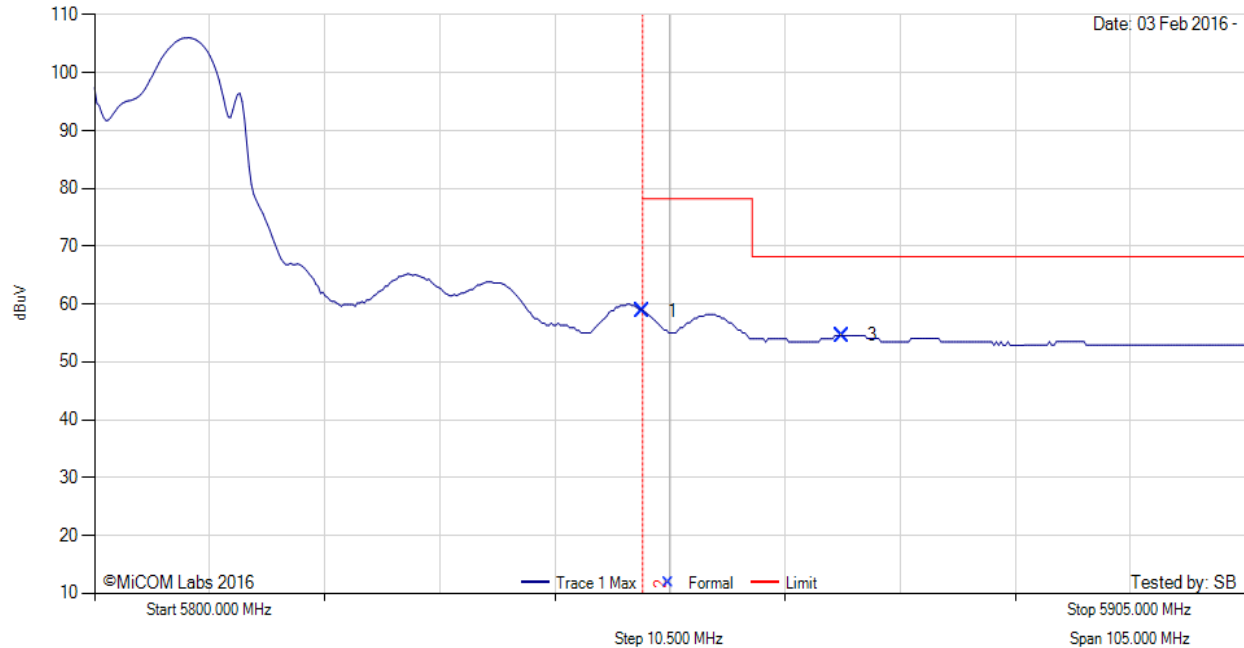
Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz

Date: 03 Feb 2016 -



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5850.00	20.42	3.81	34.63	58.86	Marker	Horizontal	160	31	78.2	-19.4	Pass
3	5868.21	16.06	3.82	34.68	54.56	Marker	Horizontal	160	31	68.2	-13.7	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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

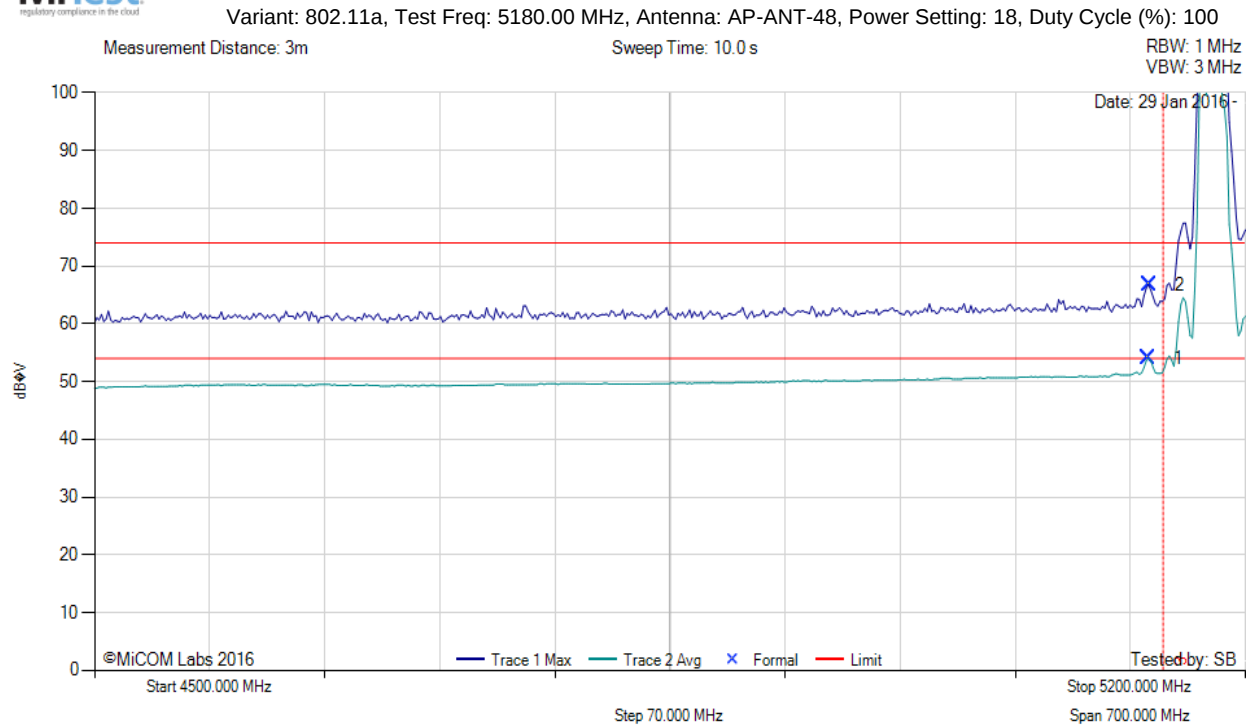


Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 320 of 350

A.1.2.7. AP-ANT-48



RESTRICTED LOWER BAND-EDGE EMISSIONS



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5140.68	16.17	3.70	34.12	53.99	Max Avg	Vertical	153	360	54.0	0.0	Pass
2	5141.38	28.94	3.70	34.12	66.76	Max Peak	Vertical	153	360	74.0	-7.2	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

[back to matrix](#)

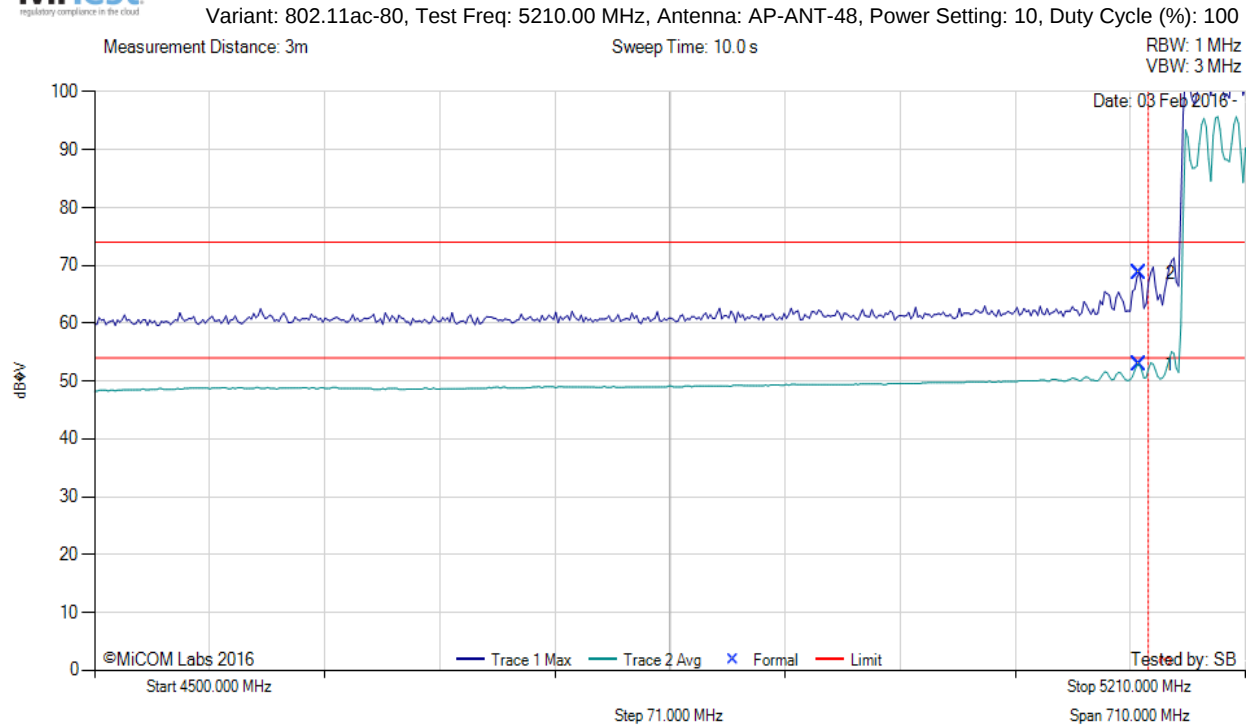
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 321 of 350



RESTRICTED LOWER BAND-EDGE EMISSIONS



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5144.31	15.03	3.70	34.12	52.85	Max Avg	Horizontal	149	368	54.0	-1.2	Pass
2	5144.79	30.86	3.69	34.11	68.66	Max Peak	Horizontal	149	368	74.0	-5.3	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 322 of 350



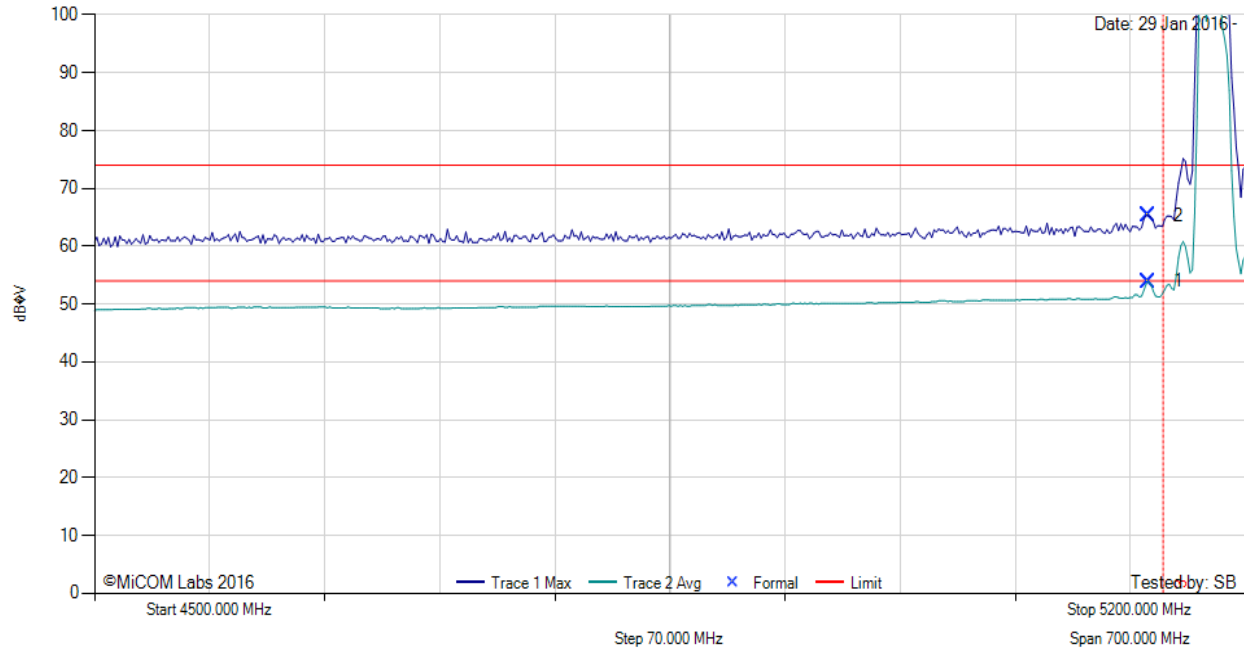
RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5180.00 MHz, Antenna: AP-ANT-48, Power Setting: 17.5, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz
VBW: 3 MHz



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5140.58	16.08	3.70	34.12	53.90	Max Avg	Vertical	153	360	54.0	-0.1	Pass
2	5140.88	27.49	3.70	34.12	65.31	Max Peak	Vertical	153	360	74.0	-8.7	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 323 of 350



RESTRICTED LOWER BAND-EDGE EMISSIONS

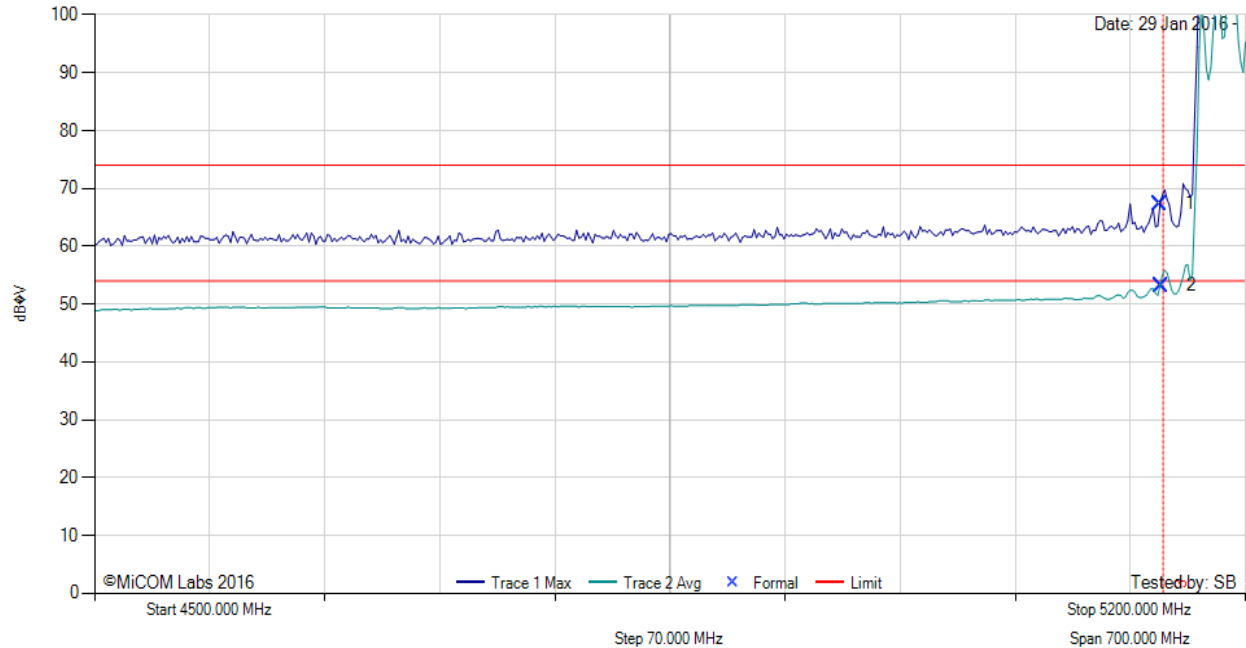
Variant: 802.11n HT-40, Test Freq: 5190.00 MHz, Antenna: AP-ANT-48, Power Setting: 15, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5148.00	29.56	3.68	34.11	67.35	Max Peak	Vertical	153	360	74.0	-6.7	Pass
2	5148.60	15.47	3.67	34.11	53.25	Max Avg	Vertical	153	360	54.0	-0.8	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

[back to matrix](#)

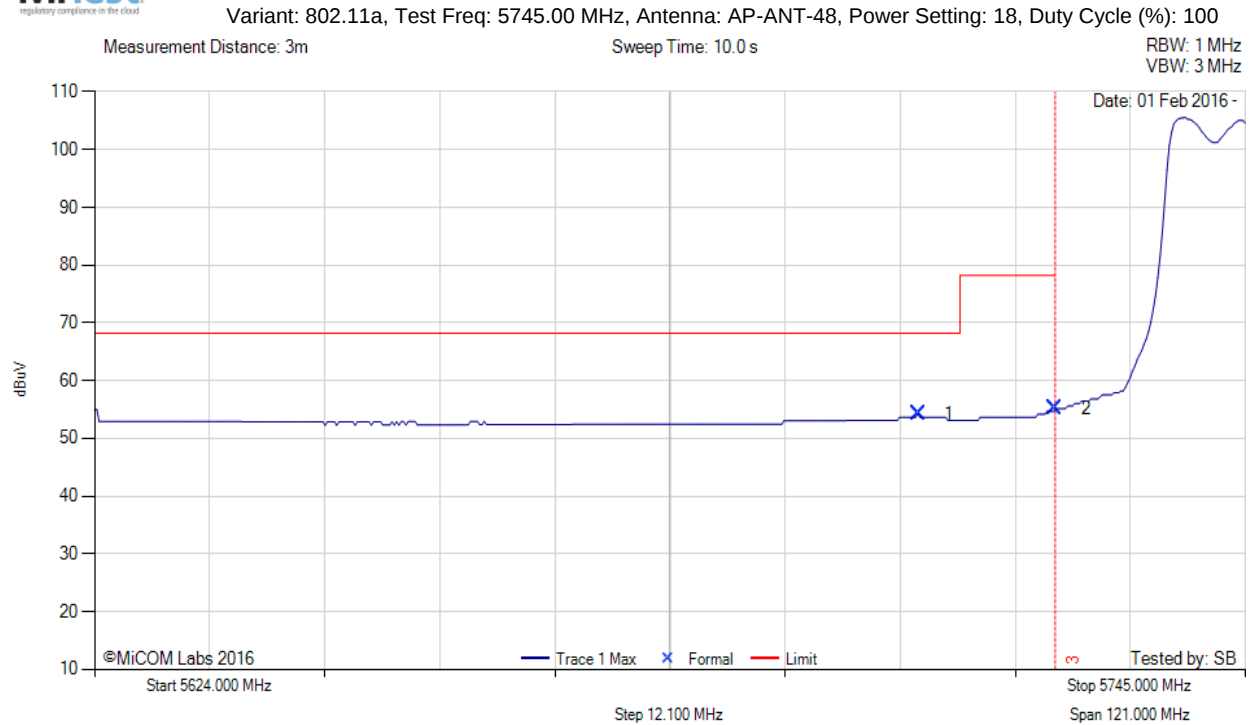
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 324 of 350



5725 MHz RADIATED BAND-EDGE EMISSIONS



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5710.64	16.00	3.83	34.34	54.17	Marker	Vertical	162	362	68.2	-14.1	Pass
2	5725.00	17.02	3.79	34.35	55.16	Marker	Vertical	162	362	78.2	-23.1	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 325 of 350



5725 MHz RADIATED BAND-EDGE EMISSIONS

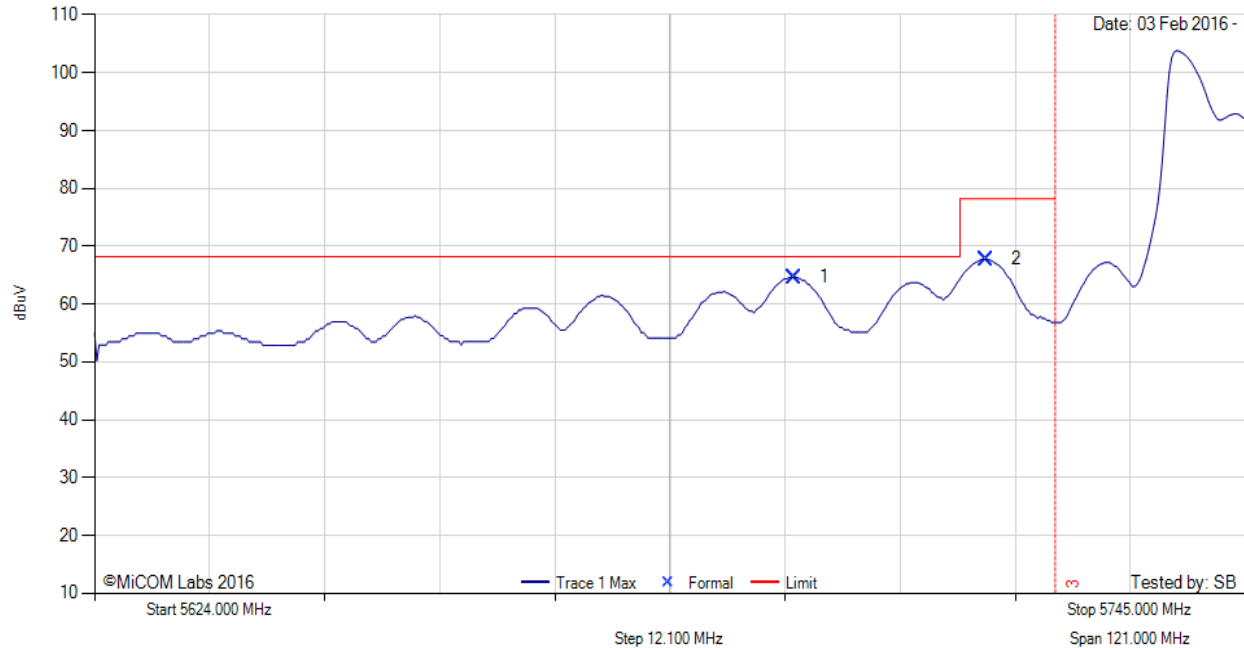
Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: AP-ANT-48, Power Setting: 16, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5697.54	26.50	3.86	34.32	64.68	Marker	Horizontal	151	20	68.2	-3.6	Pass
2	5717.73	29.59	3.81	34.34	67.74	Marker	Horizontal	151	20	78.2	-10.5	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 326 of 350



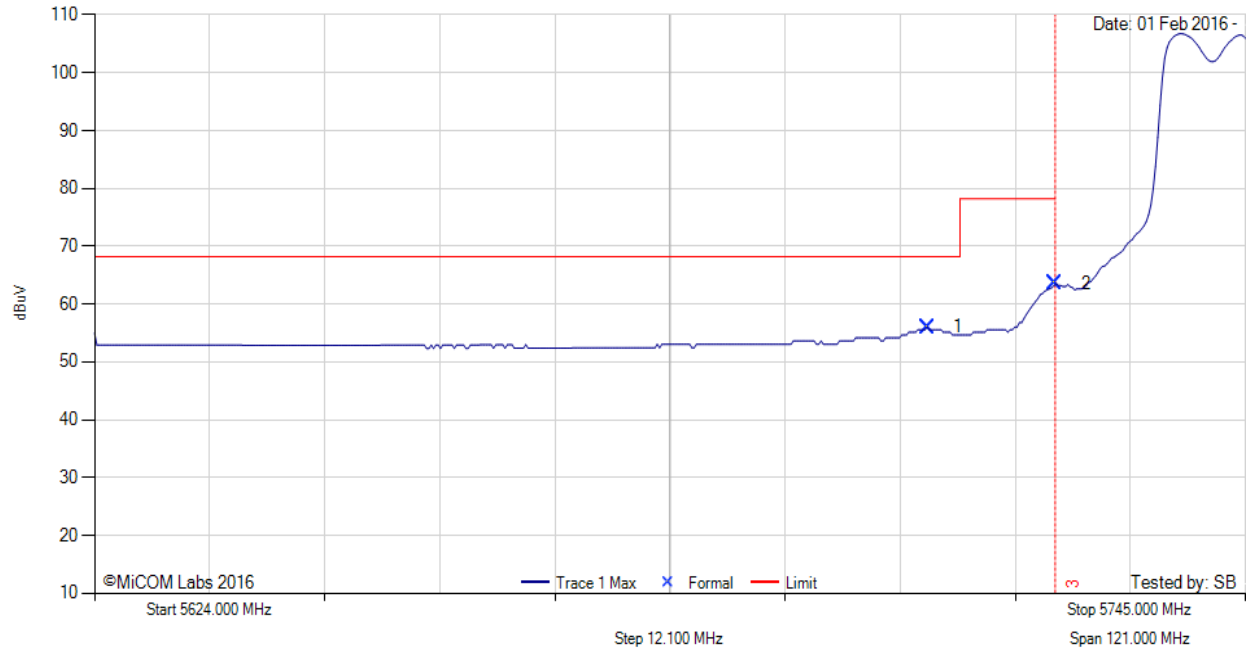
5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5745.00 MHz, Antenna: AP-ANT-48, Power Setting: 18, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz
VBW: 3 MHz



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5711.61	17.84	3.83	34.34	56.01	Marker	Vertical	162	362	68.2	-12.2	Pass
2	5725.00	25.43	3.79	34.35	63.57	Marker	Vertical	162	362	78.2	-14.7	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 327 of 350



5725 MHz RADIATED BAND-EDGE EMISSIONS

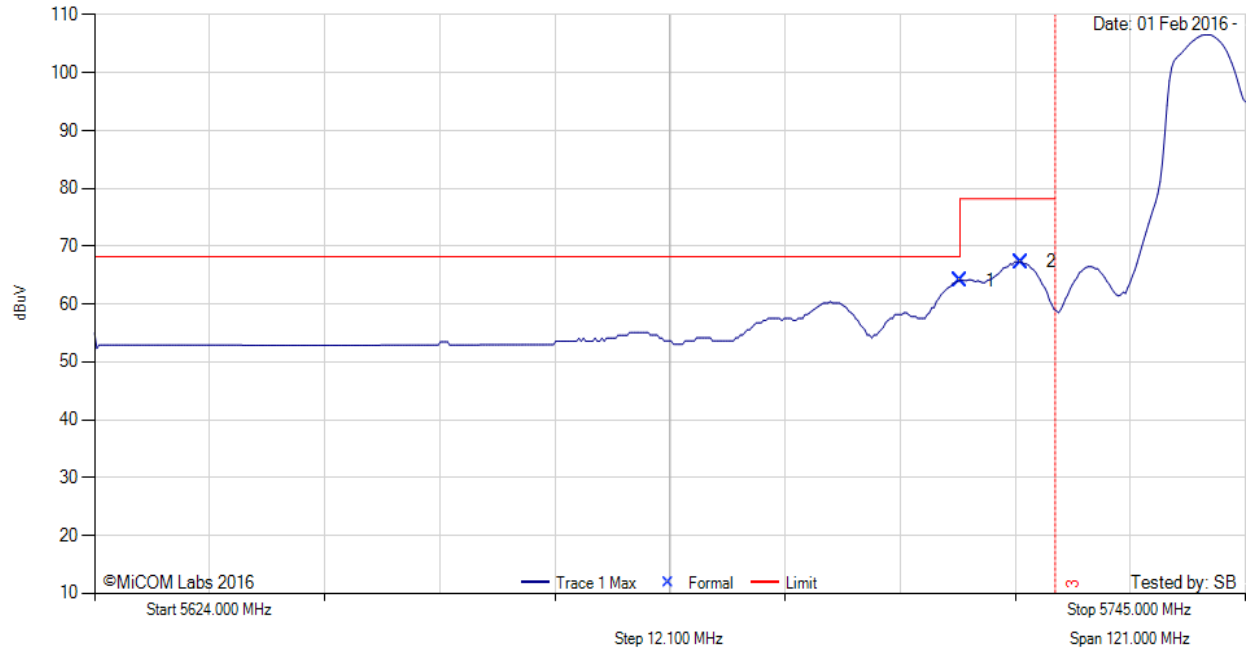
Variant: 802.11n HT-40, Test Freq: 5755.00 MHz, Antenna: AP-ANT-48, Power Setting: 18, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5715.00	25.90	3.81	34.34	64.05	Marker	Vertical	162	362	68.2	-4.2	Pass
2	5721.36	29.16	3.80	34.35	67.31	Marker	Vertical	162	362	78.2	-10.9	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

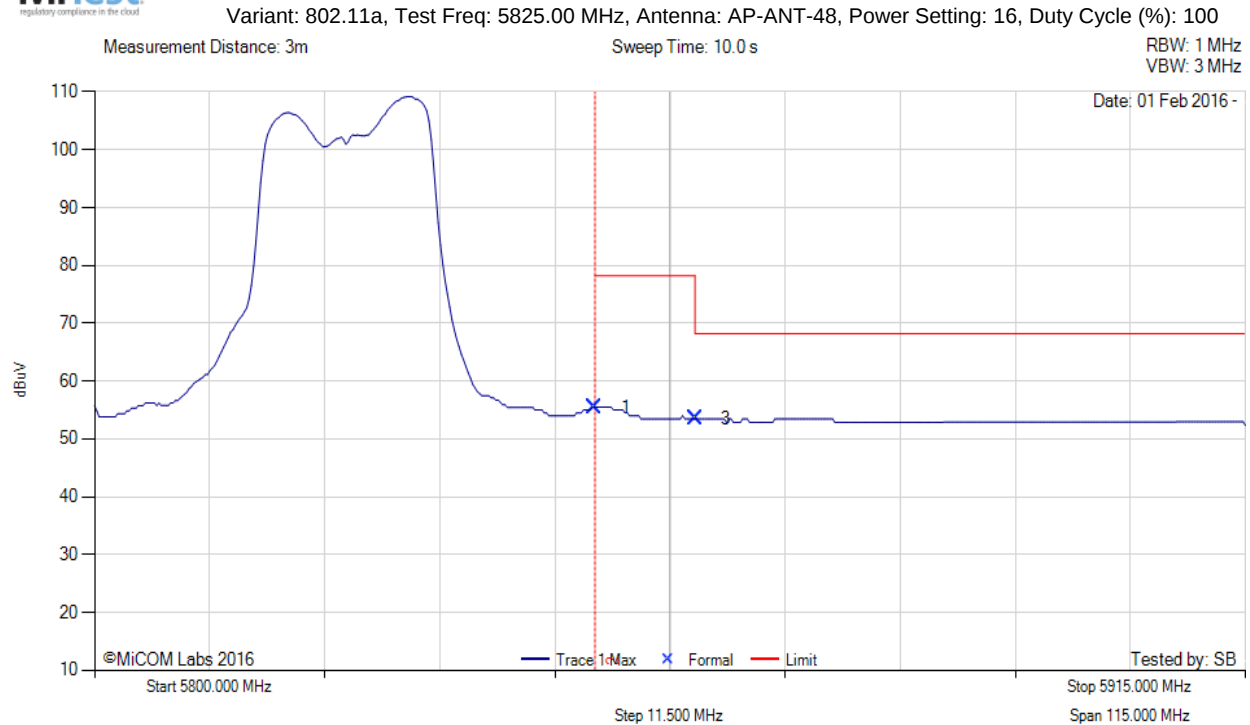
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 328 of 350



5850 MHz RADIATED BAND-EDGE EMISSIONS



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5850.00	17.05	3.81	34.63	55.49	Marker	Vertical	162	362	78.2	-22.7	Pass
3	5860.00	14.95	3.86	34.65	53.46	Marker	Vertical	162	362	78.2	-24.8	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: AP-ANT-48, Power Setting: 16, Duty Cycle (%): 100

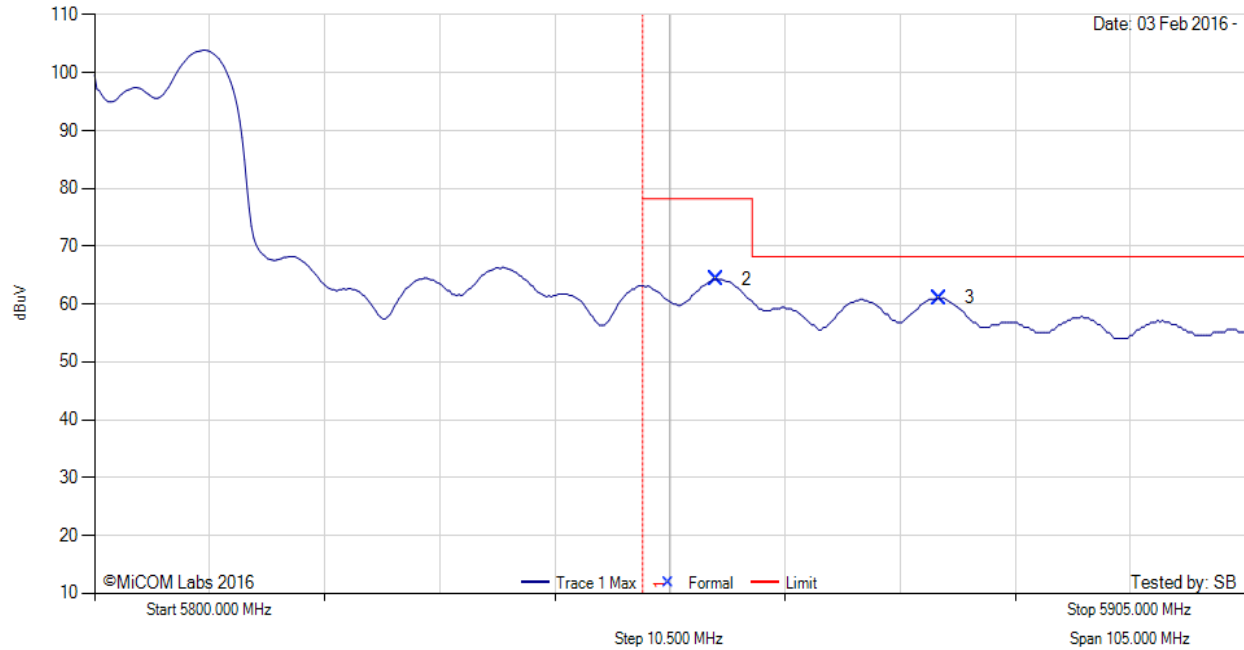
Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz

Date: 03 Feb 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
2	5856.73	25.76	3.84	34.65	64.25	Marker	Horizontal	151	20	78.2	-14.0	Pass
3	5877.04	22.58	3.81	34.70	61.09	Marker	Horizontal	151	20	68.2	-7.1	Pass
1	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 330 of 350



5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5825.00 MHz, Antenna: AP-ANT-48, Power Setting: 16, Duty Cycle (%): 100

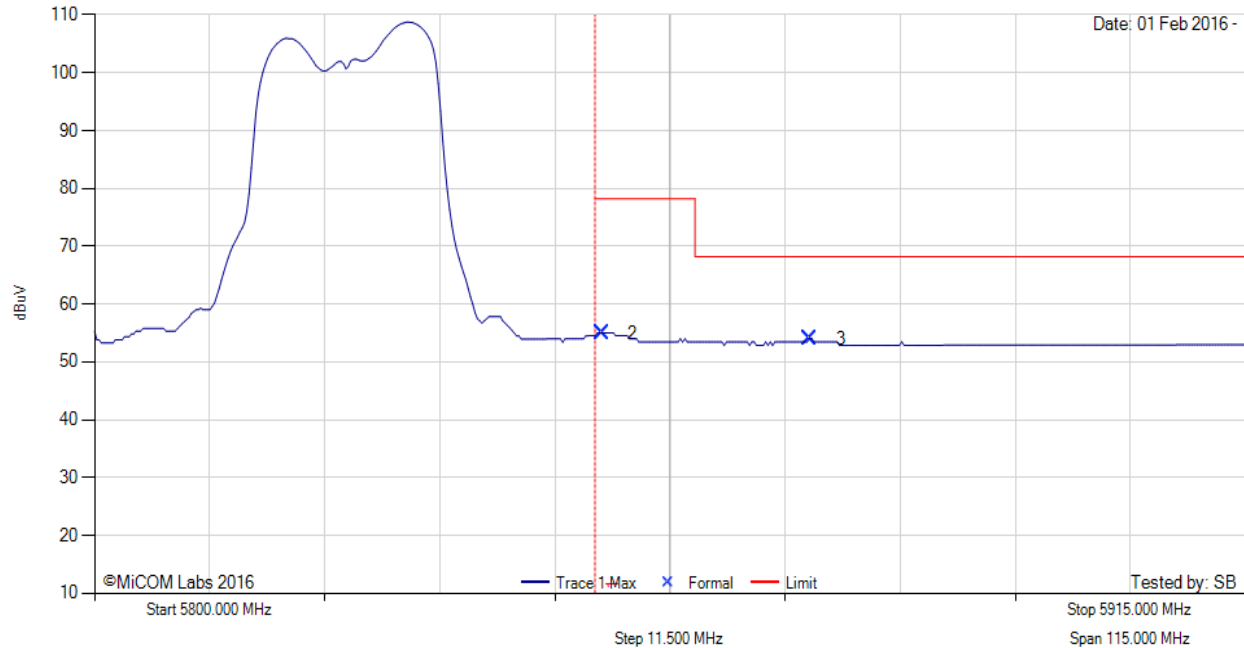
Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz

Date: 01 Feb 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
2	5850.69	16.58	3.81	34.63	55.02	Marker	Vertical	162	362	78.2	-23.2	Pass
3	5871.52	15.55	3.80	34.69	54.04	Marker	Vertical	162	362	68.2	-14.2	Pass
1	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 331 of 350



5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5795.00 MHz, Antenna: AP-ANT-48, Power Setting: 16, Duty Cycle (%): 100

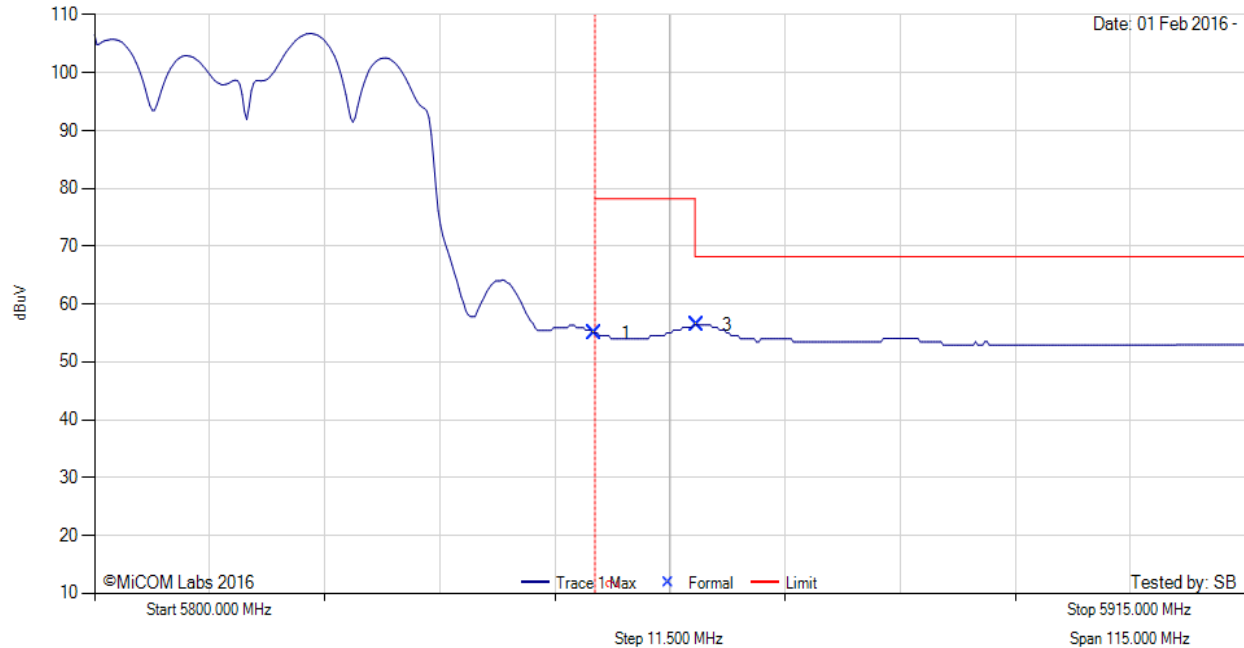
Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz

Date: 01 Feb 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5850.00	16.58	3.81	34.63	55.02	Marker	Vertical	162	362	78.2	-23.2	Pass
3	5860.21	17.87	3.86	34.65	56.38	Marker	Vertical	162	362	78.2	-21.9	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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

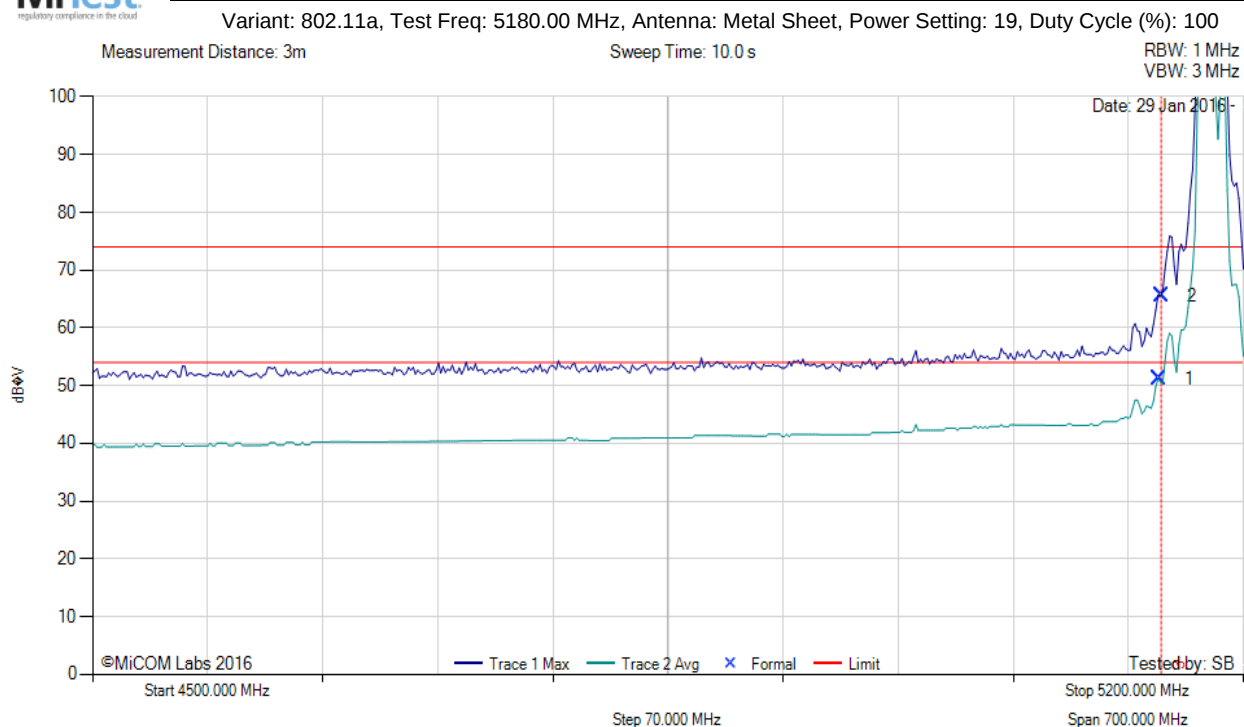


Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 332 of 350

A.1.2.8. Metal Sheet (Integral)



RESTRICTED LOWER BAND-EDGE EMISSIONS



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5148.60	13.38	3.67	34.11	51.16	Max Avg	Vertical	176	336	54.0	-2.8	Pass
2	5150.00	27.75	3.67	34.11	65.53	Max Peak	Vertical	176	336	74.0	-8.5	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

Test Notes: reduced power setting from 21 to 19

[back to matrix](#)

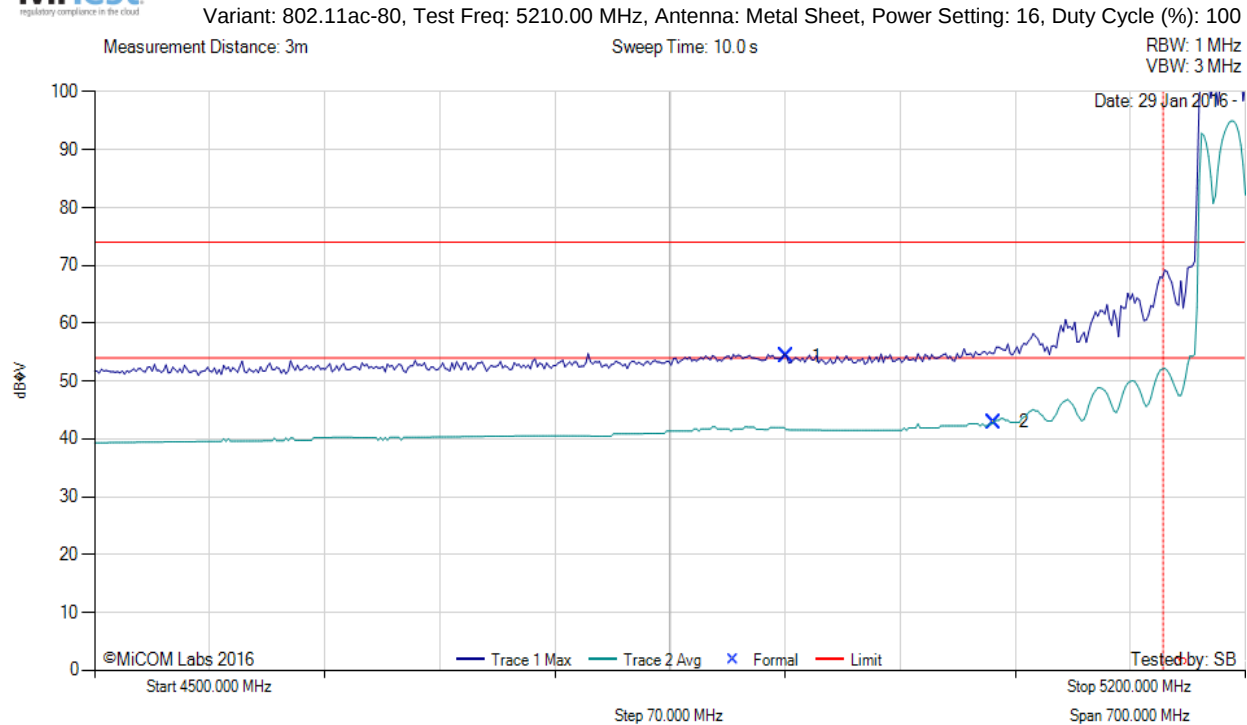
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 333 of 350



RESTRICTED LOWER BAND-EDGE EMISSIONS



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	4920.74	16.44	3.57	34.35	54.36	Max Peak	Vertical	173	329	74.0	-19.6	Pass
2	5047.09	5.07	3.65	34.20	42.92	Max Avg	Vertical	173	329	54.0	-11.1	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 334 of 350



RESTRICTED LOWER BAND-EDGE EMISSIONS

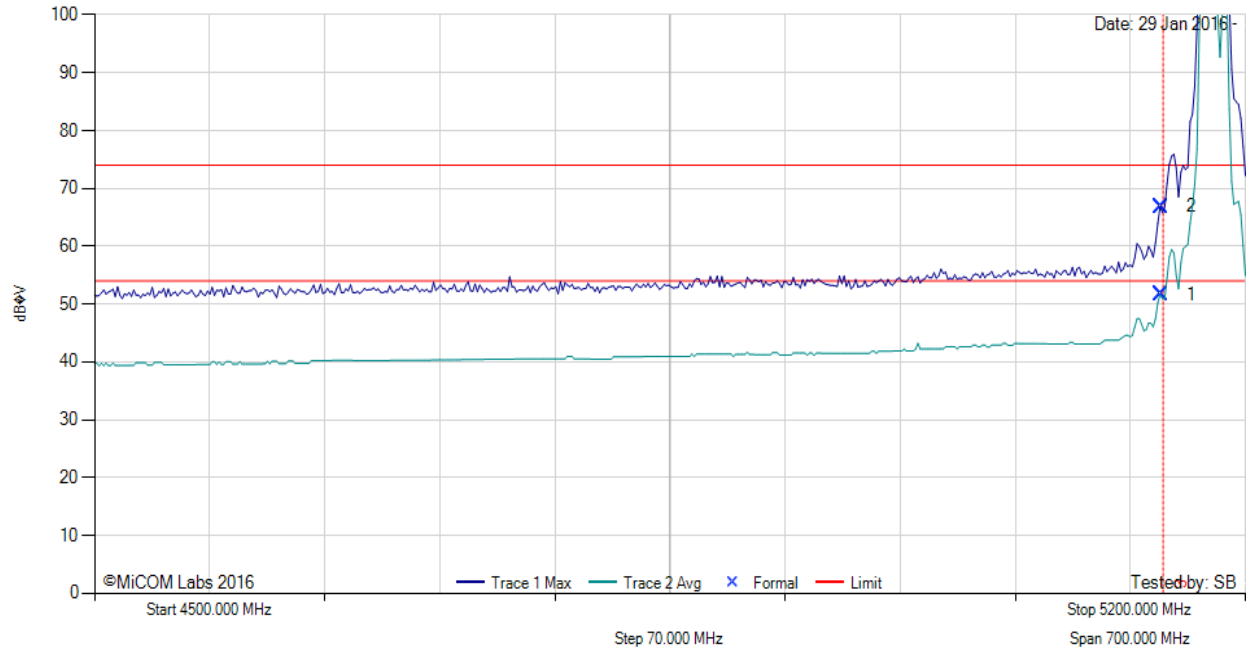
Variant: 802.11n HT-20, Test Freq: 5180.00 MHz, Antenna: Metal Sheet, Power Setting: 19, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5148.70	13.87	3.67	34.11	51.65	Max Avg	Vertical	176	336	54.0	-2.4	Pass
2	5148.70	29.07	3.67	34.11	66.85	Max Peak	Vertical	176	336	74.0	-7.2	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

Test Notes: reduced power setting from 21 to 19

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 335 of 350



RESTRICTED LOWER BAND-EDGE EMISSIONS

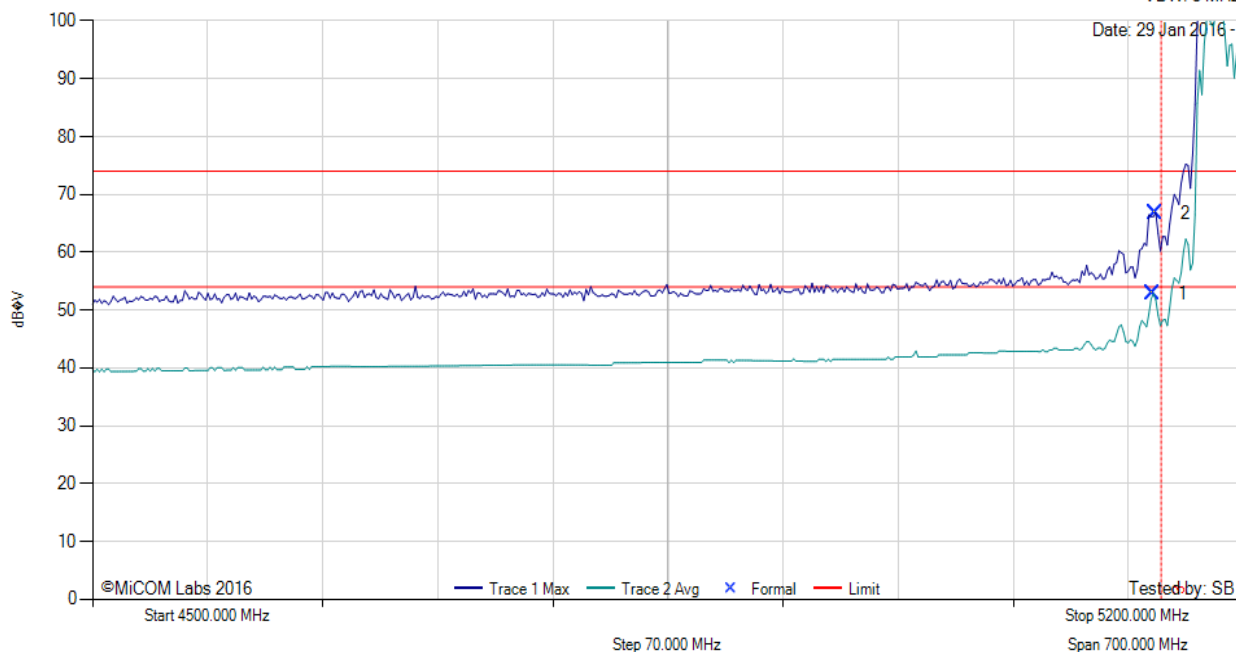
Variant: 802.11n HT-40, Test Freq: 5190.00 MHz, Antenna: Metal Sheet, Power Setting: 17, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5144.69	15.05	3.69	34.11	52.85	Max Avg	Vertical	176	336	54.0	-1.2	Pass
2	5146.29	28.99	3.69	34.11	66.79	Max Peak	Vertical	176	336	74.0	-7.2	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

Test Notes: reduced power setting from 21 to 17

[back to matrix](#)

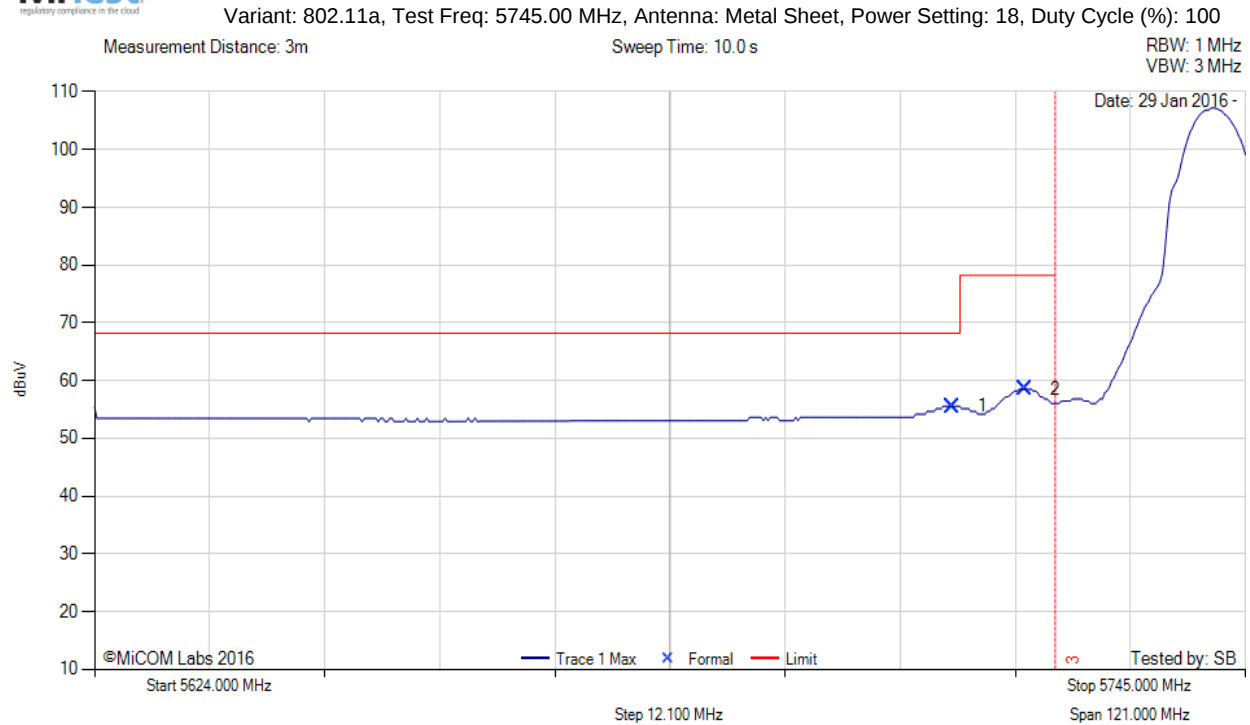
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 336 of 350



5725 MHz RADIATED BAND-EDGE EMISSIONS



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5714.20	17.43	3.82	34.34	55.59	Marker	Vertical	172	342	68.2	-12.6	Pass
2	5721.85	20.37	3.80	34.35	58.52	Marker	Vertical	172	342	78.2	-19.7	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 337 of 350



5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: Metal Sheet, Power Setting: 18, Duty Cycle (%): 100

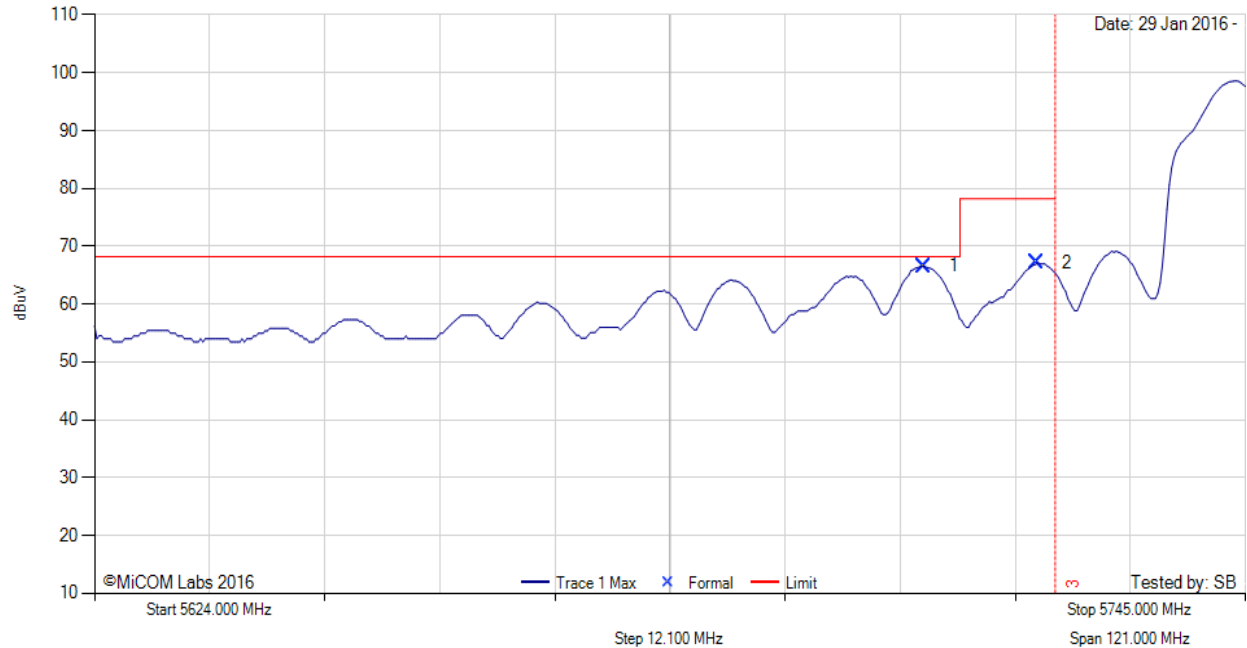
Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz

Date: 29 Jan 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5711.12	28.42	3.83	34.34	66.59	Marker	Vertical	172	342	68.2	-1.6	Pass
2	5723.06	29.05	3.80	34.35	67.20	Marker	Vertical	172	342	78.2	-11.0	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 338 of 350



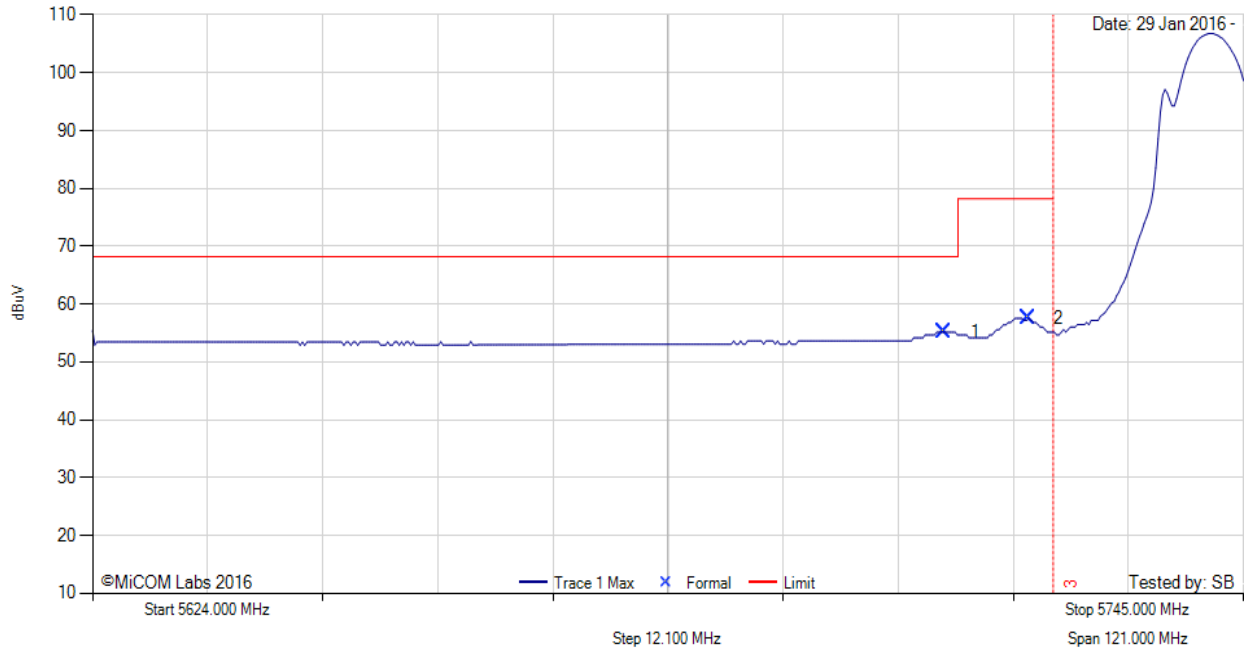
5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5745.00 MHz, Antenna: Metal Sheet, Power Setting: 18, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz
VBW: 3 MHz



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5713.55	16.98	3.82	34.34	55.14	Marker	Vertical	172	342	68.2	-13.1	Pass
2	5722.33	19.39	3.80	34.35	57.54	Marker	Vertical	172	342	78.2	-20.7	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 339 of 350



5725 MHz RADIATED BAND-EDGE EMISSIONS

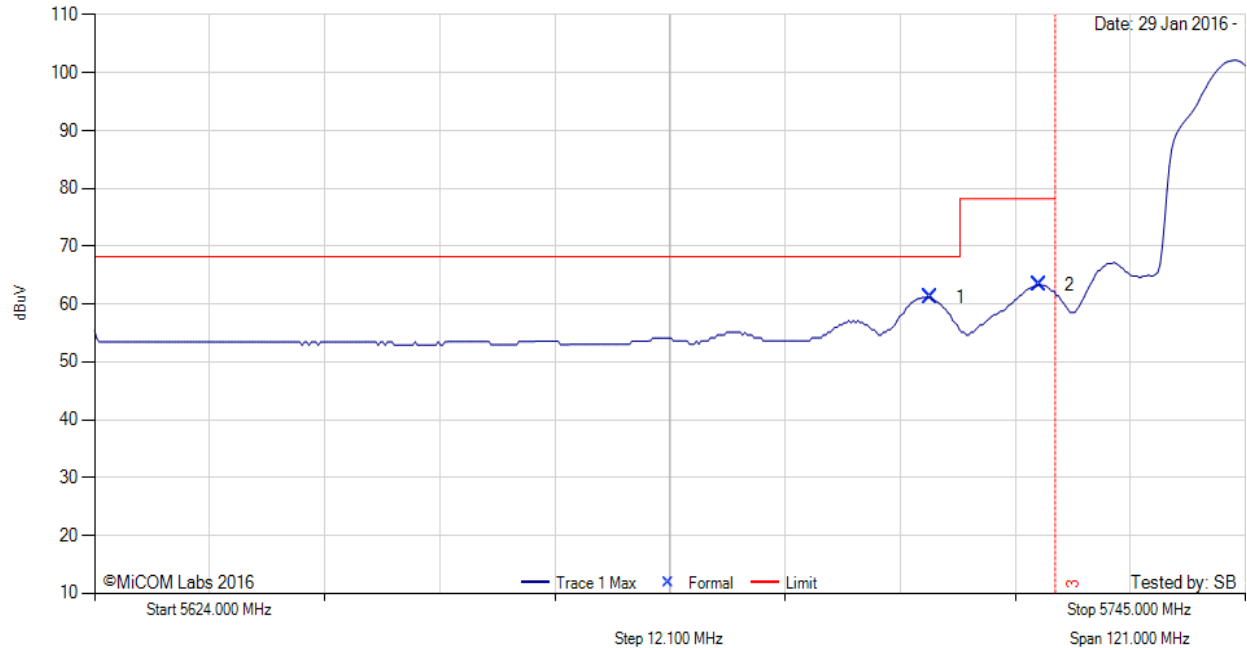
Variant: 802.11n HT-40, Test Freq: 5755.00 MHz, Antenna: Metal Sheet, Power Setting: 18, Duty Cycle (%): 100

Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5711.85	22.99	3.83	34.34	61.16	Marker	Vertical	172	342	68.2	-7.1	Pass
2	5723.30	25.24	3.80	34.35	63.39	Marker	Vertical	172	342	78.2	-14.8	Pass
3	5725.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

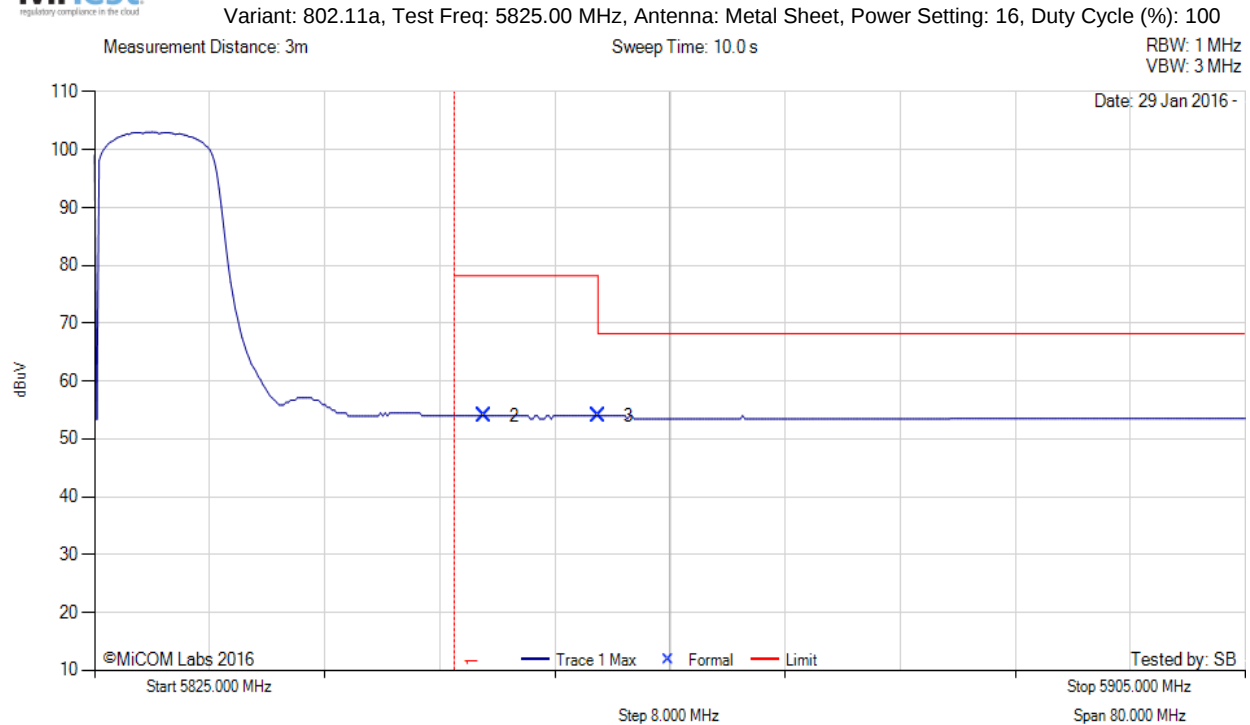
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 340 of 350



5850 MHz RADIATED BAND-EDGE EMISSIONS



Num	Frequency 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	5852.08	15.55	3.82	34.63	54.00	Marker	Vertical	172	298	78.2	-24.2	Pass
3	5860.00	15.51	3.86	34.65	54.02	Marker	Vertical	172	298	78.2	-24.2	Pass
1	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: Metal Sheet, Power Setting: 16, Duty Cycle (%): 100

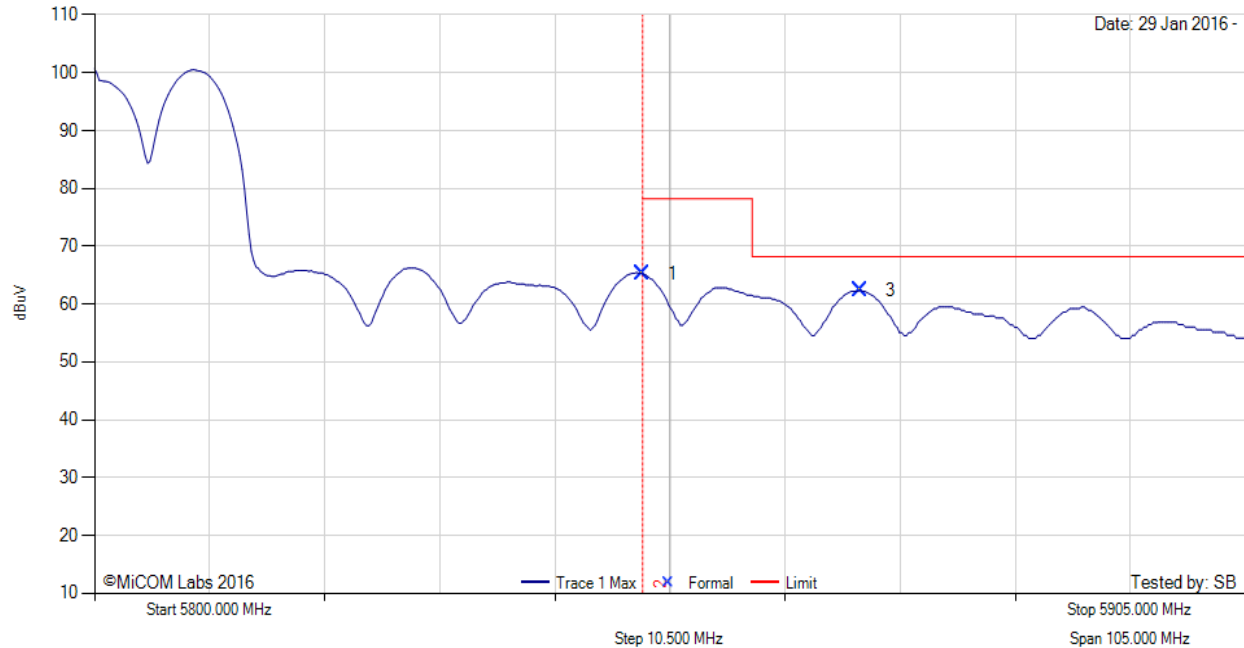
Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz

Date: 29 Jan 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5850.00	26.74	3.81	34.63	65.18	Marker	Vertical	172	298	78.2	-13.1	Pass
3	5869.89	23.93	3.81	34.68	62.42	Marker	Vertical	172	298	68.2	-5.8	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 342 of 350



5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-20, Test Freq: 5825.00 MHz, Antenna: Metal Sheet, Power Setting: 16, Duty Cycle (%): 100

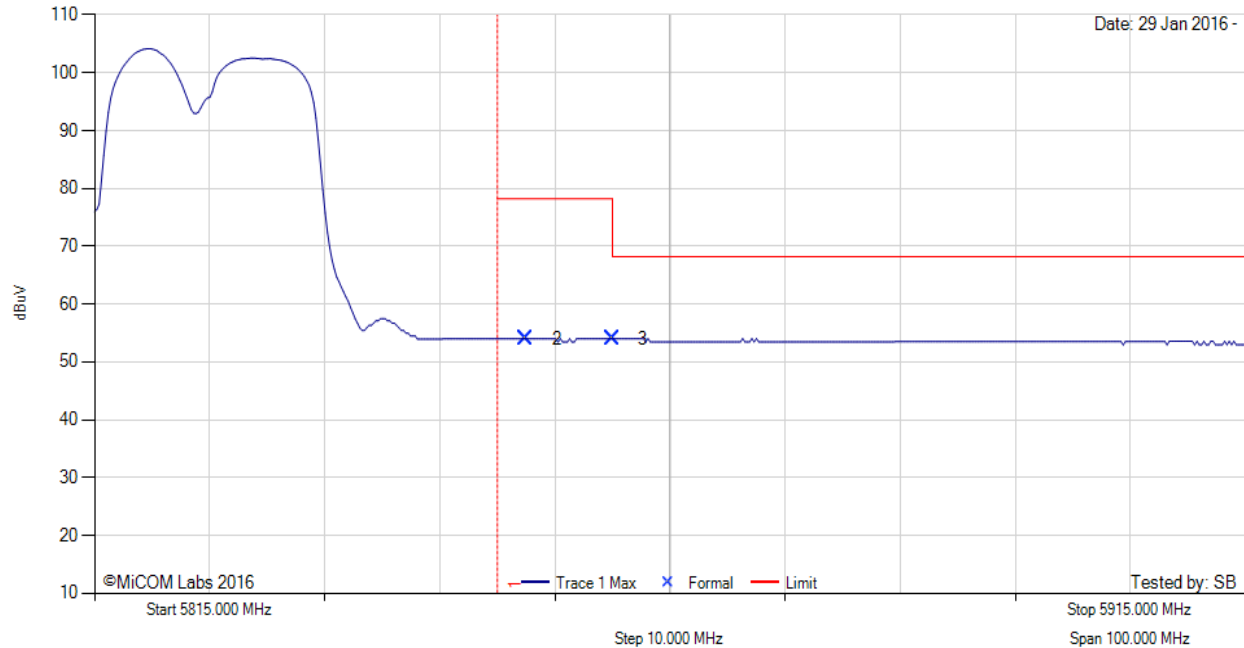
Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz

Date: 29 Jan 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
2	5852.51	15.55	3.82	34.63	54.00	Marker	Vertical	172	298	78.2	-24.2	Pass
3	5860.00	15.51	3.86	34.65	54.02	Marker	Vertical	172	298	78.2	-24.2	Pass
1	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 343 of 350



5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11n HT-40, Test Freq: 5795.00 MHz, Antenna: Metal Sheet, Power Setting: 16, Duty Cycle (%): 100

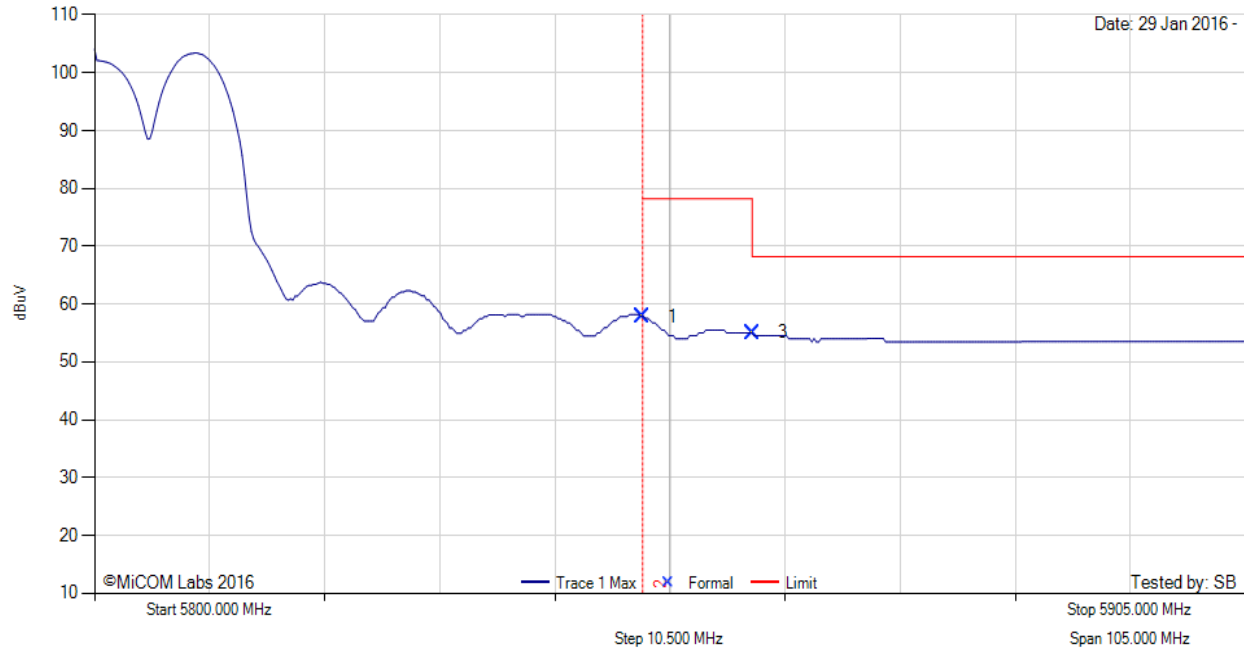
Measurement Distance: 3m

Sweep Time: 10.0 s

RBW: 1 MHz

VBW: 3 MHz

Date: 29 Jan 2016 -



Num	Frequency MHz	Raw dBuV	Cable Loss	AF dB	Level dBuV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBuV/m	Margin dB	Pass /Fail
1	5850.00	19.43	3.81	34.63	57.87	Marker	Vertical	172	298	78.2	-20.4	Pass
3	5860.00	16.53	3.86	34.65	55.04	Marker	Vertical	172	298	78.2	-23.2	Pass
2	5850.00	--	--	--	--	Band-Edge	--	--	--	--	--	--

[back to matrix](#)

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



Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 344 of 350

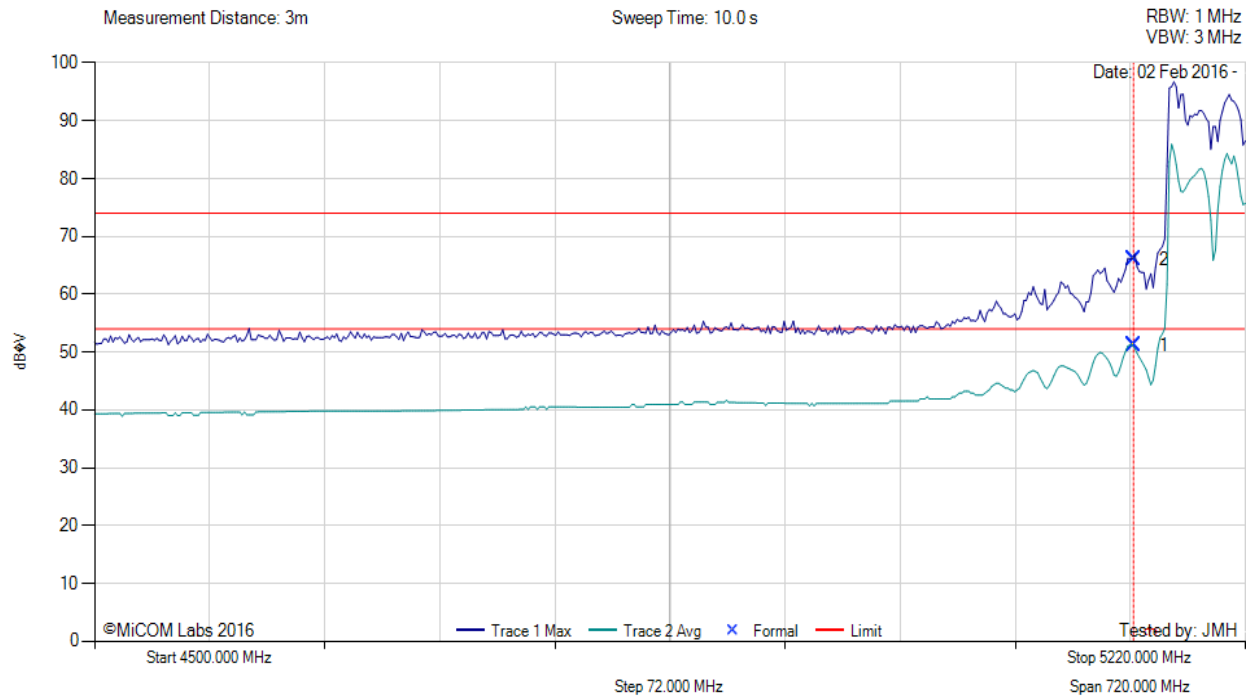
A.1.2.9. ac80+80 Operation

A.1.2.9.1 AP-ANT-20W

RESTRICTED LOWER BAND-EDGE EMISSIONS



Variant: 802.11ac-80, Test Freq: 5210 + 5775.00 MHz, Antenna: AP-ANT-20W, Power Setting: 18



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5150.00	13.39	3.67	34.11	51.17	Max Avg	Vertical	160	0	54.0	-2.8	Pass
2	5150.00	28.30	3.67	34.11	66.08	Max Peak	Vertical	160	0	74.0	-7.9	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

[back to matrix](#)

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

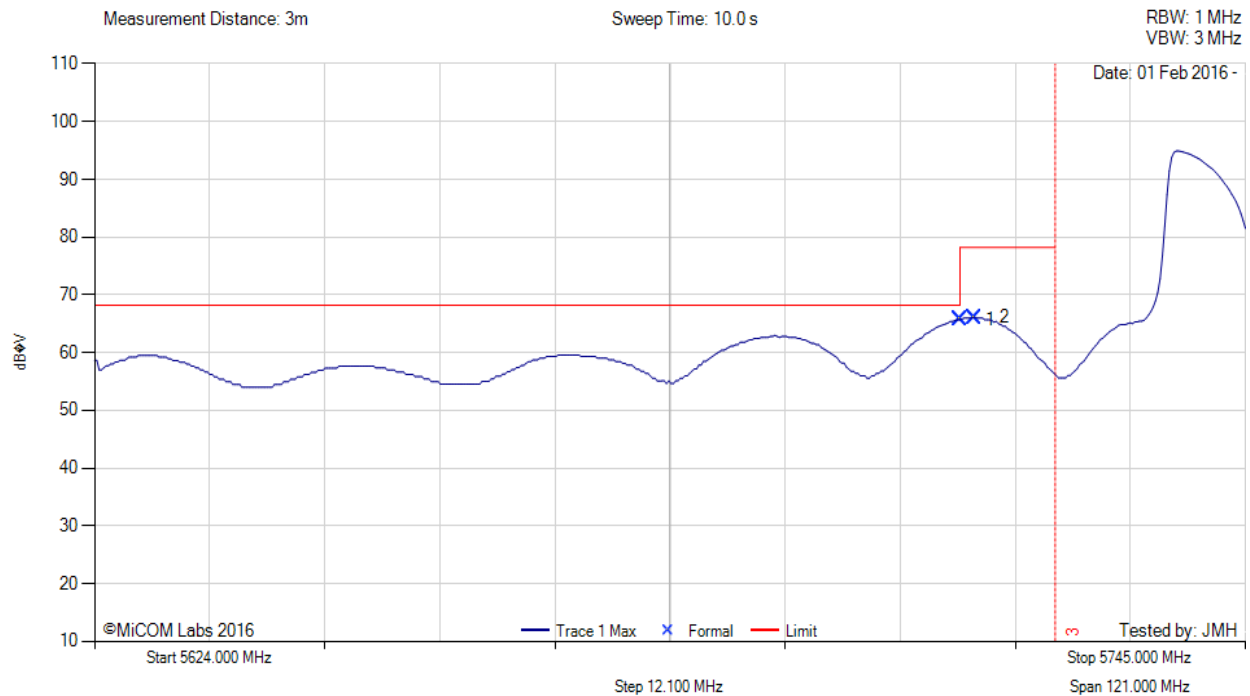


Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 345 of 350



5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5210 + 5775.00 MHz, Antenna: AP-ANT-20W, Power Setting: 18



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5715.00	27.54	3.81	34.34	65.69	Marker	Horizontal	162	365	68.2	-2.5	Pass
2	5716.51	27.94	3.81	34.34	66.09	Marker	Horizontal	162	365	78.2	-12.1	Pass
3	5725.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

[back to matrix](#)

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

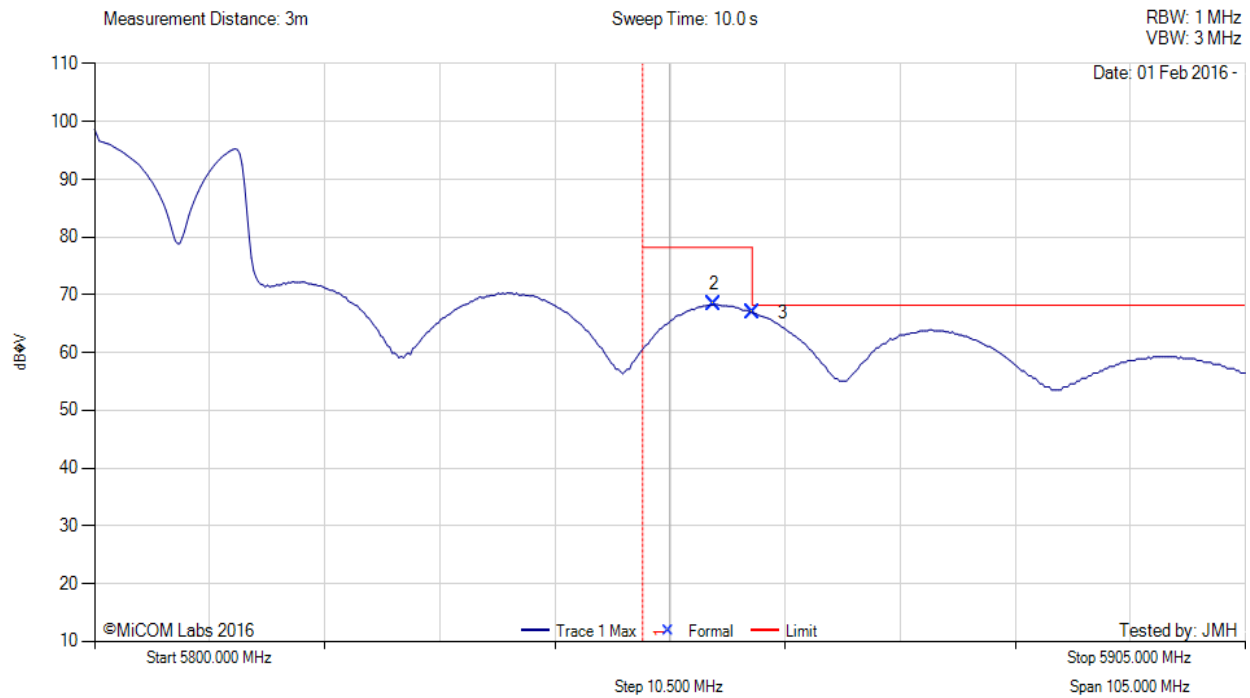


Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 346 of 350



5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5210 + 5775.00 MHz, Antenna: AP-ANT-20W, Power Setting: 19



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5850.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	
2	5856.52	29.82	3.84	34.65	68.31	Marker	Horizontal	162	365	78.2	-9.9	Pass
3	5860.00	28.45	3.86	34.65	66.96	Marker	Horizontal	162	365	78.2	-11.3	Pass

[back to matrix](#)

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



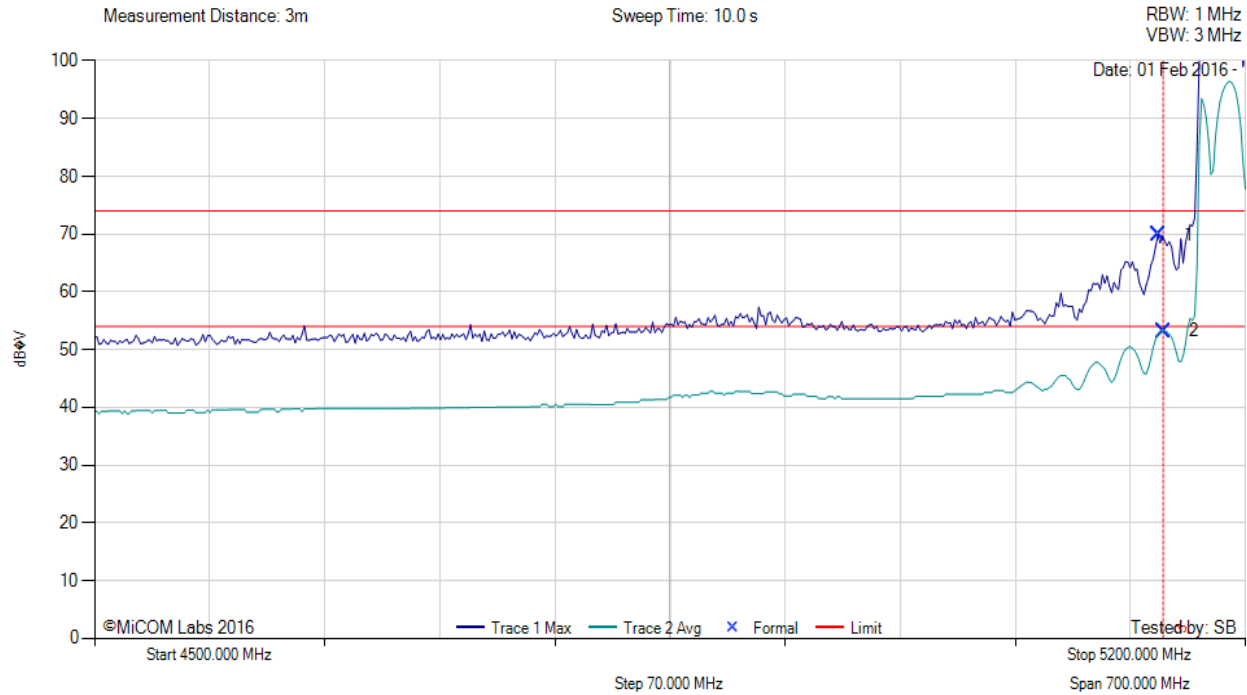
Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 347 of 350

A.1.2.9.2 AP-ANT-48



RESTRICTED LOWER BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5210 + 5775.00 MHz, Antenna: AP-ANT-48, Power Setting: 16



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5147.19	32.02	3.68	34.11	69.81	Max Peak	Vertical	162	362	74.0	-4.2	Pass
2	5150.00	15.47	3.67	34.11	53.25	Max Avg	Vertical	162	362	54.0	-0.8	Pass
3	5150.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

[back to matrix](#)

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

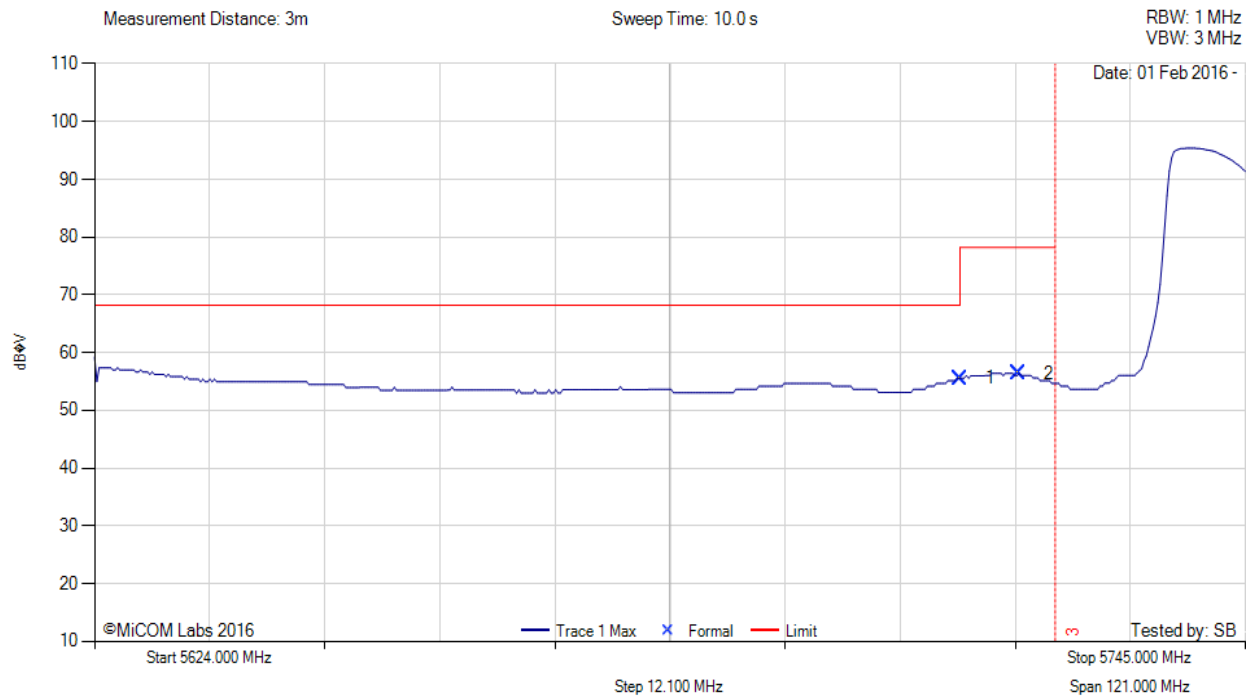


Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 348 of 350



5725 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5210 + 5775.00 MHz, Antenna: AP-ANT-48, Power Setting: 16



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5715.00	17.44	3.81	34.34	55.59	Marker	Vertical	162	362	68.2	-12.6	Pass
2	5721.12	18.28	3.80	34.35	56.43	Marker	Vertical	162	362	78.2	-21.8	Pass
3	5725.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	

[back to matrix](#)

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

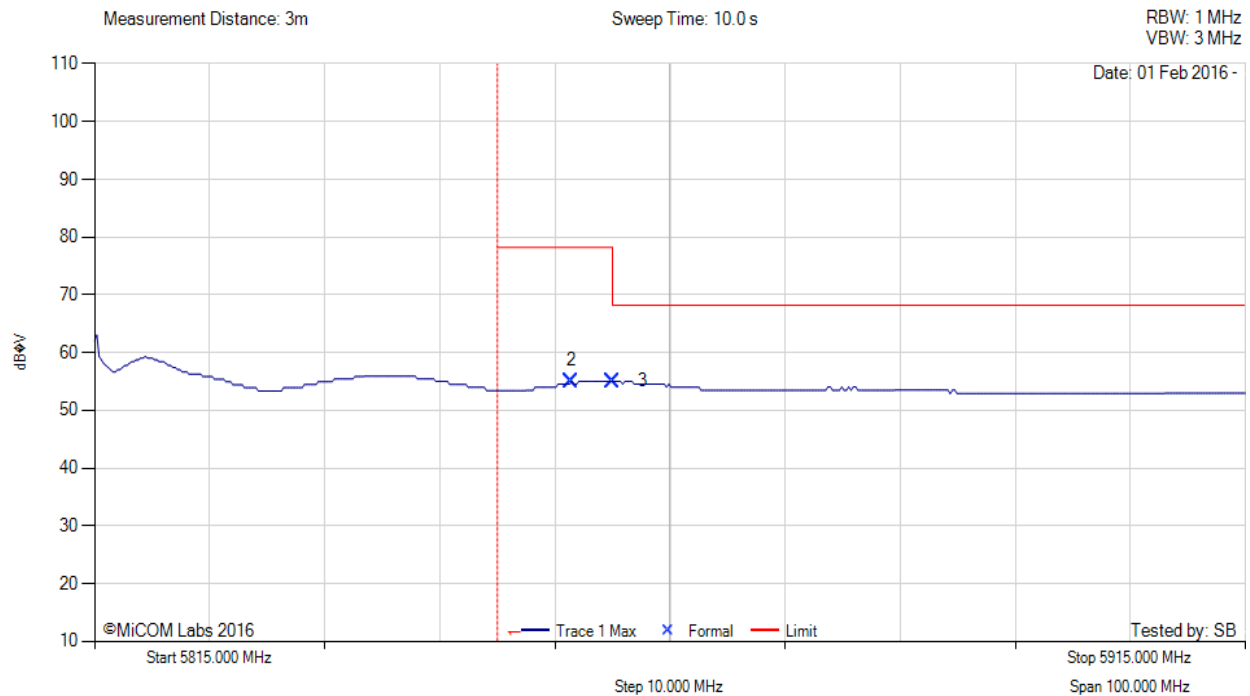


Title: Aruba Networks, Inc. APIN0334, APIN0335
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB196-U7 Rev B
Issue Date: 31th May 2016
Page: 349 of 350



5850 MHz RADIATED BAND-EDGE EMISSIONS

Variant: 802.11ac-80, Test Freq: 5210 + 5775.00 MHz, Antenna: AP-ANT-48, Power Setting: 16



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5850.00	0.00	0.00	0.00	--	Band-Edge		0	0	--	--	
2	5856.41	16.56	3.84	34.64	55.04	Marker	Vertical	162	362	78.2	-23.2	Pass
3	5860.00	16.53	3.86	34.65	55.04	Marker	Vertical	162	362	78.2	-23.2	Pass

[back to matrix](#)

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



575 Boulder Court
Pleasanton, California 94566, USA
Tel: +1 (925) 462 0304
Fax: +1 (925) 462 0306
www.micomlabs.com