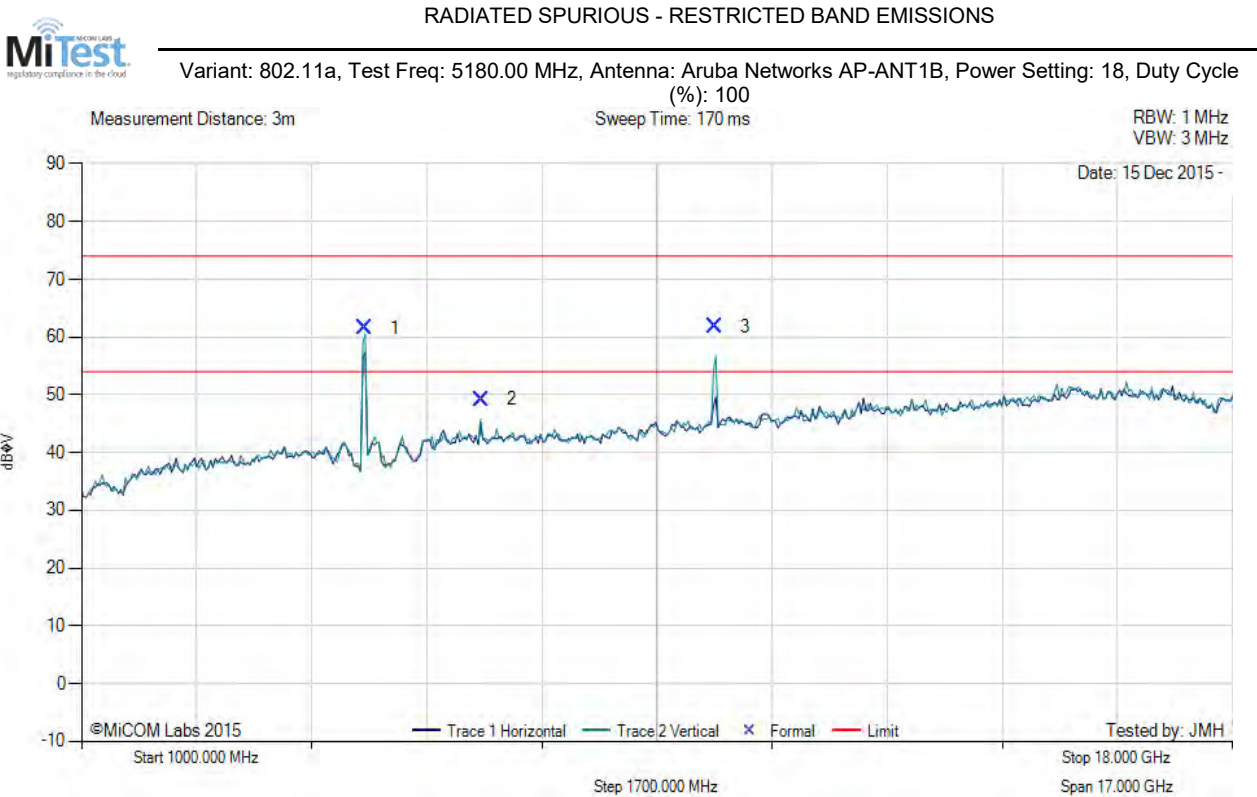




A.3. Restricted Band Emissions

A.3.1 AP-ANT-1B



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5186.25	69.38	3.68	-11.49	61.57	Fundamental	Vertical	100	1	--	--	
2	6906.65	52.68	4.11	-7.54	49.25	Peak (NRB)	Vertical	151	192	--	--	Pass
3	10357.80	61.55	5.55	-5.28	61.82	Peak (NRB)	Vertical	151	360	--	--	Pass

Test Notes: EUT on 150cm table, powered by PDSine 90001 GR POE

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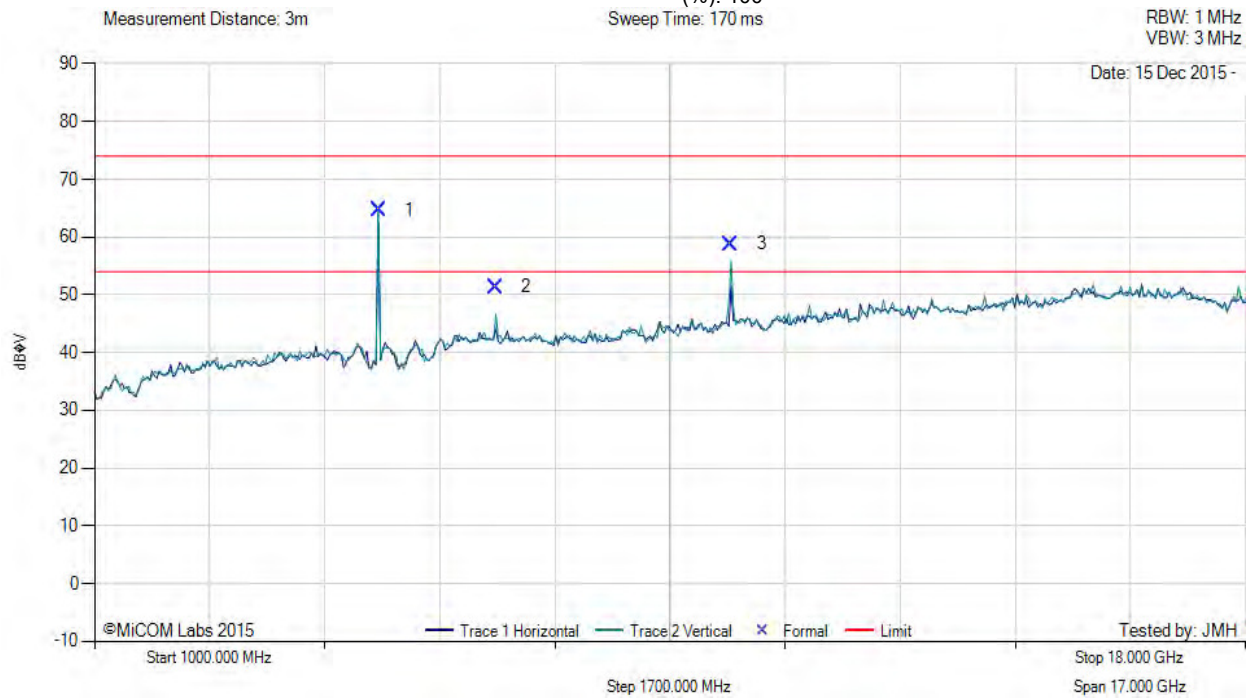


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To: FCC CFR 47 Part 15 Subpart E 15.407
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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5200.00 MHz, Antenna: Aruba Networks AP-ANT1B, Power Setting: 18, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5196.91	72.41	3.66	-11.47	64.60	Fundamental	Vertical	101	0	--	--	
2	6933.35	54.73	4.11	-7.49	51.35	Peak (NRB)	Vertical	151	7	--	--	Pass
3	10403.25	58.40	5.42	-5.02	58.80	Peak (NRB)	Vertical	151	7	--	--	Pass

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

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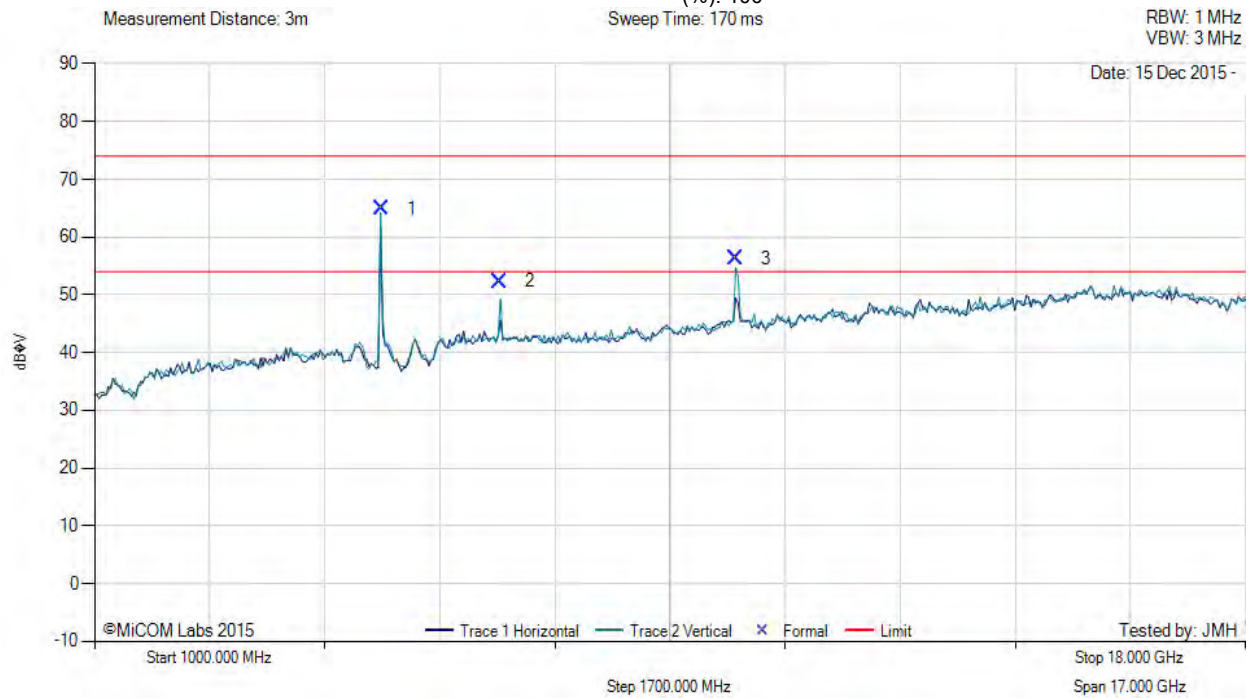


Title: Aruba Networks APIN0204, APIN0205
To: FCC CFR 47 Part 15 Subpart E 15.407
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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5240.00 MHz, Antenna: Aruba Networks AP-ANT1B, Power Setting: 18, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5236.83	72.66	3.63	-11.37	64.92	Fundamental	Vertical	101	1	--	--	
2	6986.72	55.66	4.13	-7.45	52.34	Peak (NRB)	Vertical	151	9	--	--	Pass
3	10477.19	55.37	5.44	-4.48	56.33	Peak (NRB)	Vertical	151	9	--	--	Pass

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

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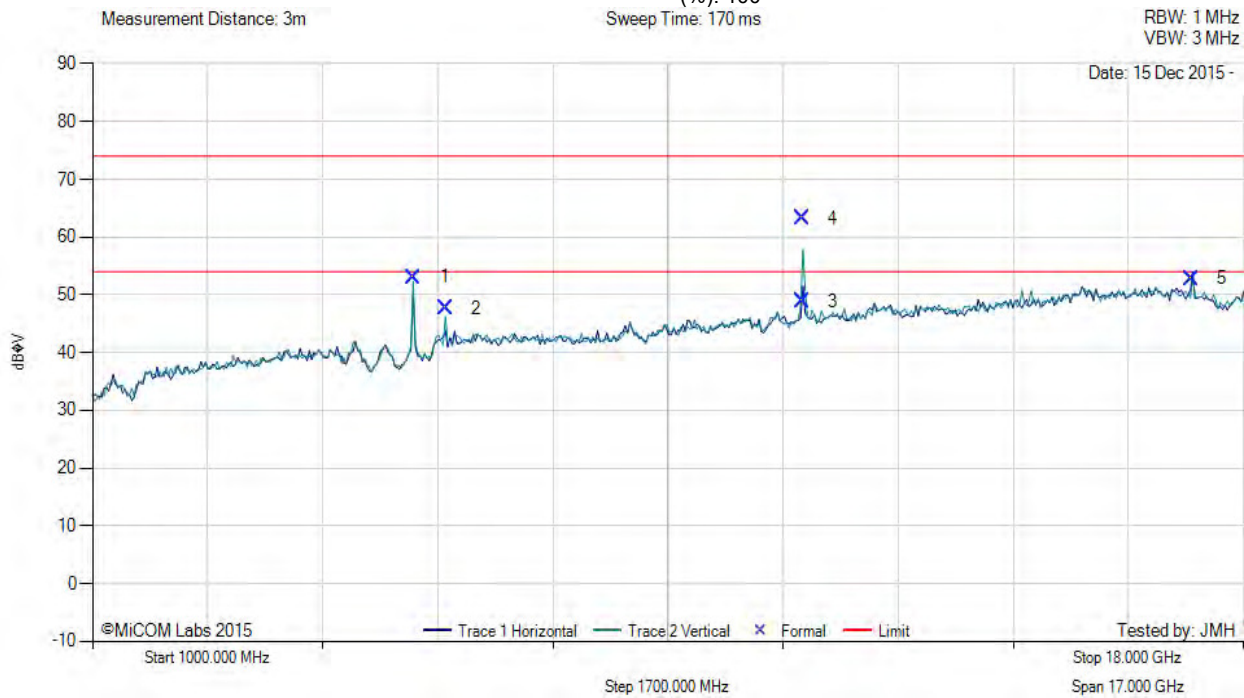
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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT1B, Power Setting: 18, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5747.85	59.81	3.85	-10.63	53.03	Fundamental	Vertical	101	0	--	--	
2	6216.89	52.59	3.91	-8.80	47.70	Peak (NRB)	Vertical	151	360	--	--	Pass
3	11489.02	48.19	5.45	-4.85	48.79	Max Avg	Vertical	150	323	54.0	-5.2	Pass
4	11489.02	62.63	5.45	-4.85	63.23	Max Peak	Vertical	150	323	74.0	-10.8	Pass
5	17238.56	46.03	6.47	0.34	52.84	Peak (NRB)	Horizontal	151	360	--	--	Pass

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

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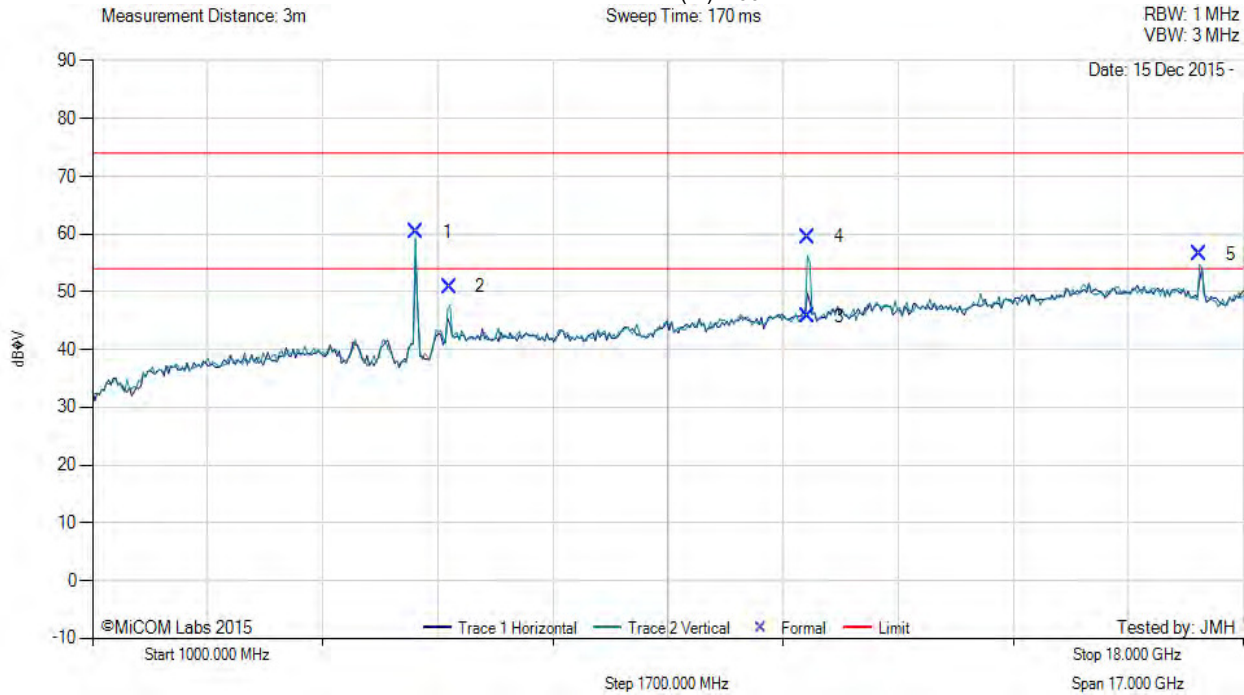
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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5785.00 MHz, Antenna: Aruba Networks AP-ANT1B, Power Setting: 18, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5787.62	66.99	3.79	-10.43	60.35	Fundamental	Vertical	101	1	--	--	
2	6270.63	55.44	3.92	-8.51	50.85	Peak (NRB)	Vertical	101	1	--	--	Pass
3	11572.22	44.91	5.42	-4.63	45.70	Max Avg	Vertical	142	339	54.0	-8.3	Pass
4	11572.22	58.72	5.42	-4.63	59.51	Max Peak	Vertical	142	339	74.0	-14.5	Pass
5	17354.43	50.19	6.27	-0.01	56.45	Peak (NRB)	Vertical	101	1	--	--	Pass

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

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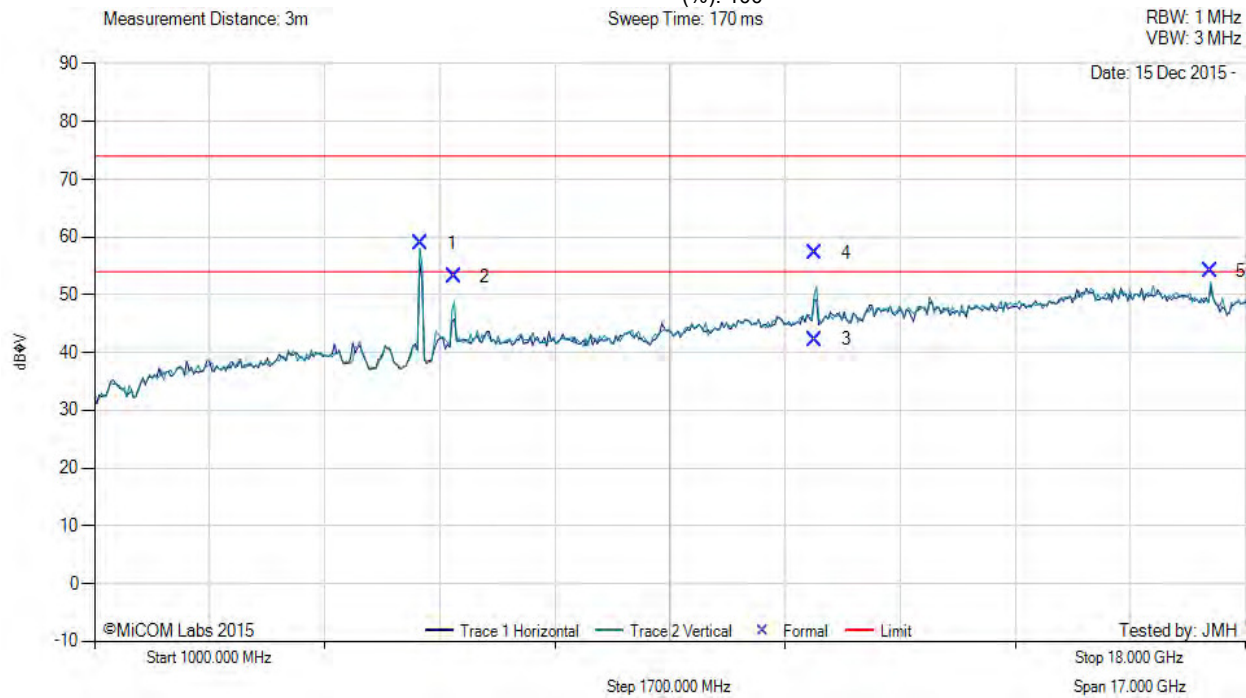
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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT1B, Power Setting: 21, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5823.13	65.34	3.83	-10.25	58.92	Fundamental	Vertical	101	1	--	--	
2	6309.30	57.69	3.92	-8.38	53.23	Peak (NRB)	Vertical	101	1	--	--	Pass
3	11648.94	41.28	5.44	-4.47	42.25	Max Avg	Vertical	159	359	54.0	-11.8	Pass
4	11648.94	56.29	5.44	-4.47	57.26	Max Peak	Vertical	159	359	74.0	-16.7	Pass
5	17478.96	48.40	6.33	-0.60	54.13	Peak (NRB)	Vertical	200	1	--	--	Pass

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

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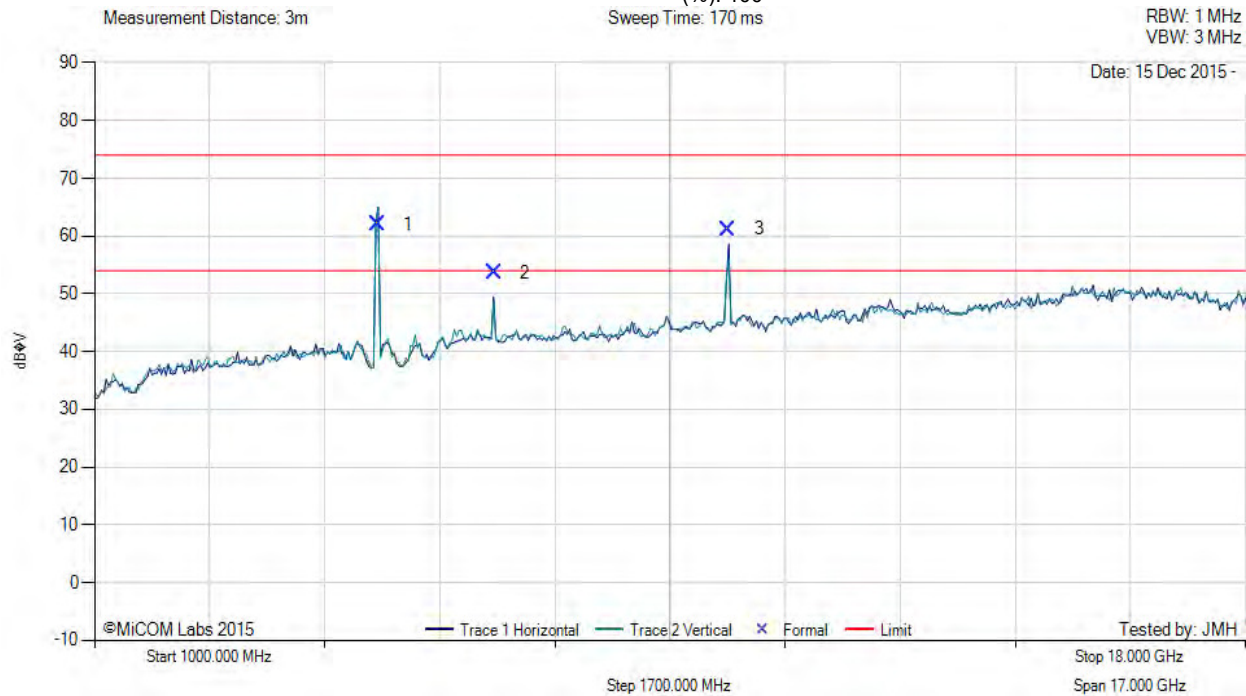


A.3.2 AP-ANT-13B

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5180.00 MHz, Antenna: Aruba Networks AP-ANT13B, Power Setting: 18, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5187.45	69.76	3.68	-11.49	61.95	Fundamental	Horizontal	101	1	--	--	
2	6906.82	57.10	4.11	-7.54	53.67	Peak (NRB)	Horizontal	151	44	--	--	Pass
3	10362.45	60.89	5.58	-5.26	61.21	Peak (NRB)	Horizontal	151	44	--	--	Pass

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

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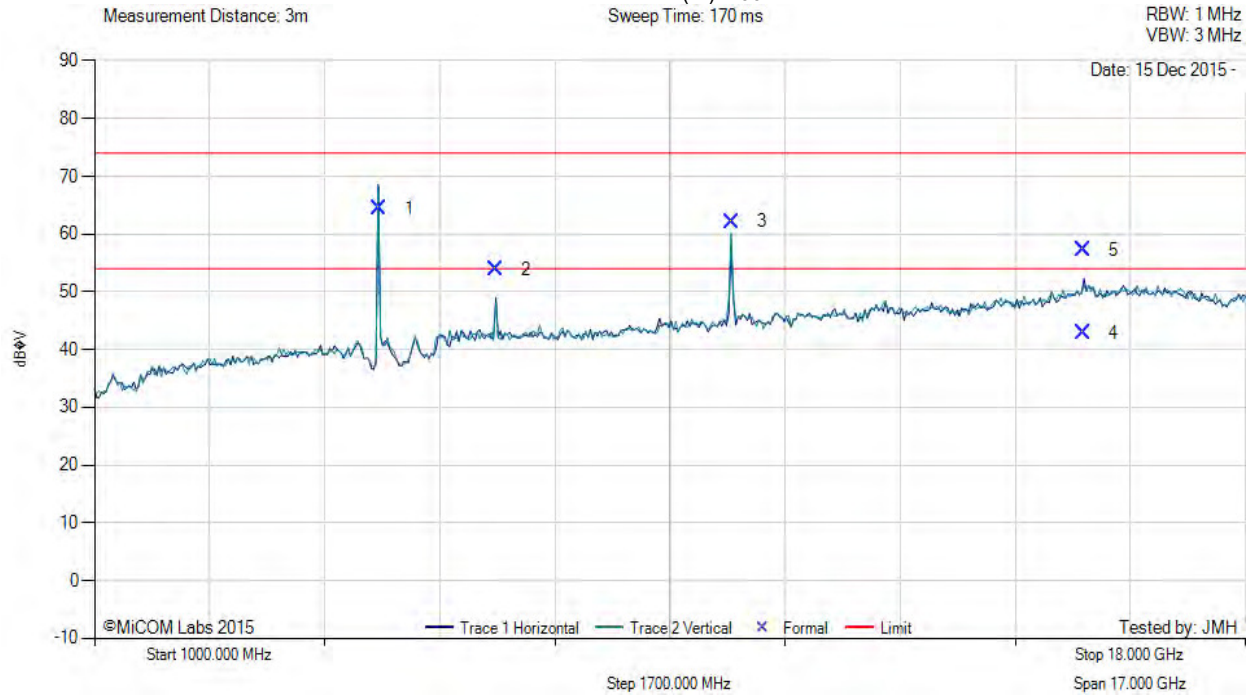


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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5200.00 MHz, Antenna: Aruba Networks AP-ANT13B, Power Setting: 18, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5198.36	72.22	3.66	-11.47	64.41	Fundamental	Horizontal	151	1	--	--	
2	6933.43	57.28	4.11	-7.49	53.90	Peak (NRB)	Horizontal	151	50	--	--	Pass
3	10405.90	61.67	5.45	-4.99	62.13	Peak (NRB)	Vertical	151	50	--	--	Pass
4	15608.30	37.06	6.01	-0.20	42.87	Max Avg	Horizontal	134	58	54.0	-11.1	Pass
5	15608.30	51.39	6.01	-0.20	57.20	Max Peak	Horizontal	134	58	74.0	-16.8	Pass

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

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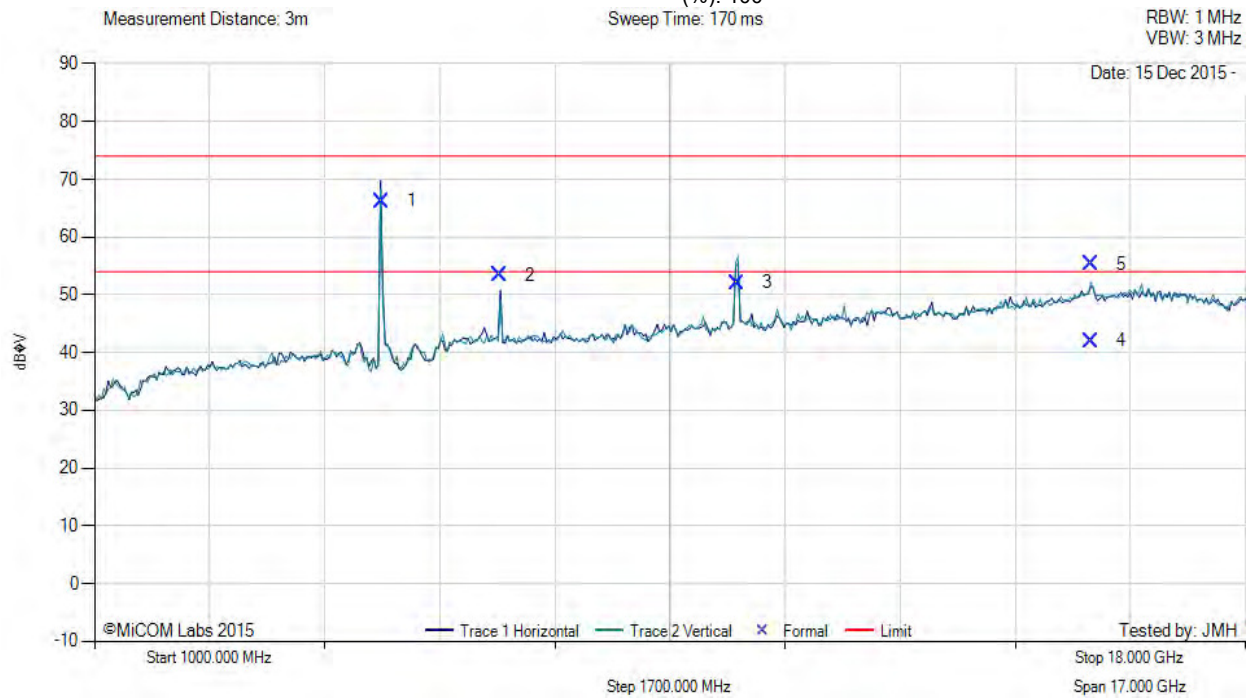


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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5240.00 MHz, Antenna: Aruba Networks AP-ANT13B, Power Setting: 18, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5238.12	73.97	3.63	-11.37	66.23	Fundamental	Horizontal	151	1	--	--	
2	6986.65	56.66	4.13	-7.45	53.34	Peak (NRB)	Horizontal	151	41	--	--	Pass
3	10486.29	51.10	5.42	-4.42	52.10	Peak (NRB)	Vertical	151	41	--	--	Pass
4	15717.56	35.78	6.05	0.18	42.01	Max Avg	Vertical	147	340	54.0	-12.0	Pass
5	15717.56	49.12	6.05	0.18	55.35	Max Peak	Vertical	147	340	74.0	-18.7	Pass

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

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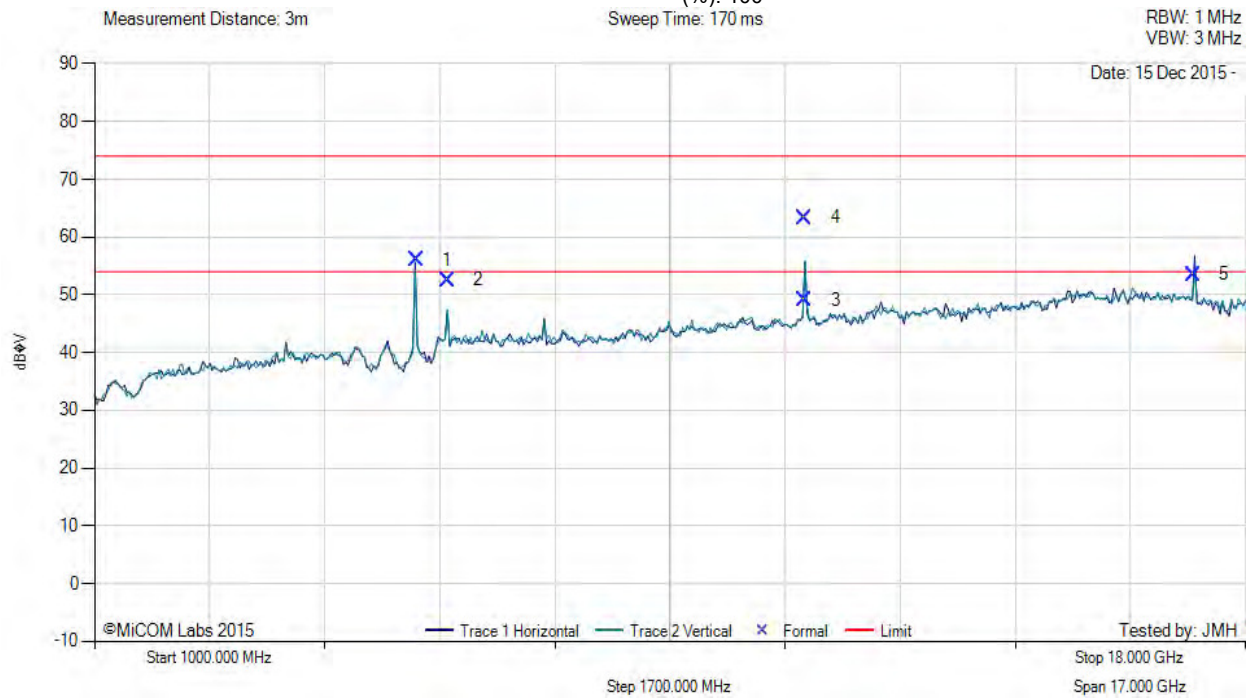


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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT13B, Power Setting: 21, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5752.10	62.85	3.84	-10.62	56.07	Fundamental	Horizontal	151	22	--	--	
2	6218.09	57.42	3.92	-8.80	52.54	Peak (NRB)	Horizontal	151	22	--	--	Pass
3	11493.51	48.50	5.44	-4.84	49.10	Max Avg	Horizontal	112	31	54.0	-4.9	Pass
4	11493.51	62.77	5.44	-4.84	63.37	Max Peak	Horizontal	112	31	74.0	-10.6	Pass
5	17234.99	46.76	6.44	0.35	53.55	Peak (NRB)	Horizontal	151	22	--	--	Pass

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

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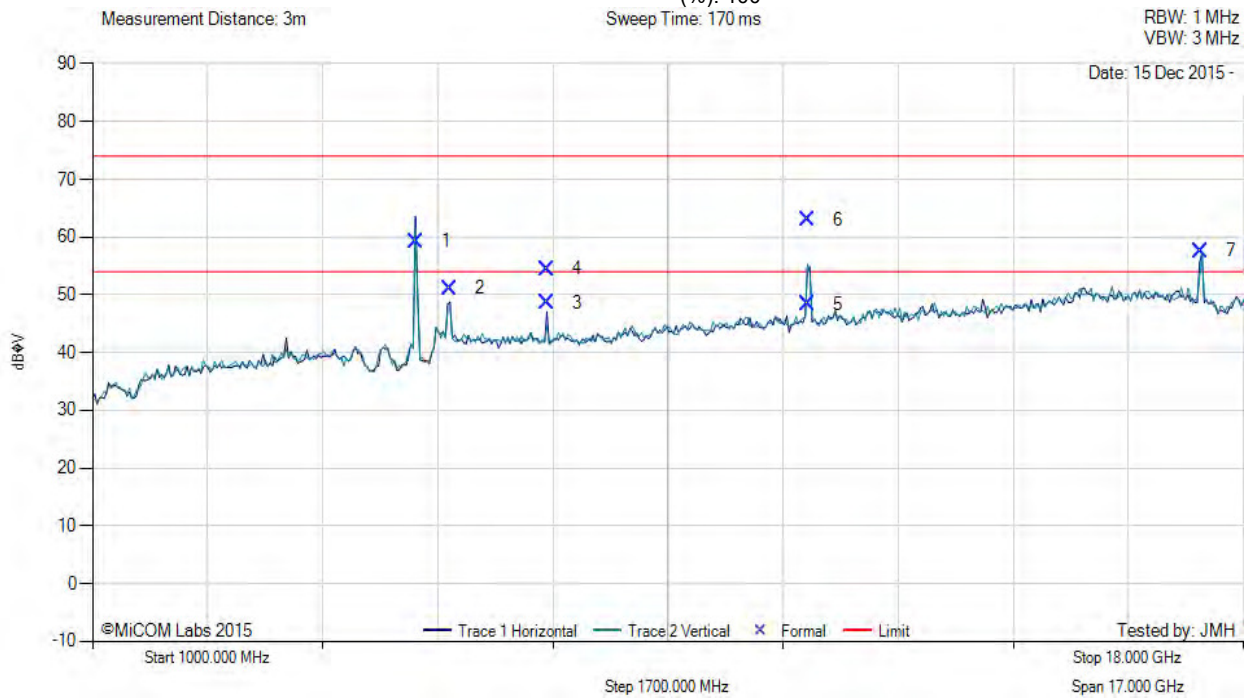
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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5785.00 MHz, Antenna: Aruba Networks AP-ANT13B, Power Setting: 21, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5783.93	65.93	3.80	-10.45	59.28	Fundamental	Horizontal	101	1	--	--	
2	6272.14	55.74	3.92	-8.50	51.16	Peak (NRB)	Horizontal	151	1	--	--	Pass
3	7713.36	51.03	4.41	-6.85	48.59	Max Avg	Horizontal	137	33	54.0	-5.4	Pass
4	7713.36	56.93	4.41	-6.85	54.49	Max Peak	Horizontal	137	33	74.0	-19.5	Pass
5	11569.02	47.52	5.48	-4.65	48.35	Max Avg	Horizontal	173	296	54.0	-5.7	Pass
6	11569.02	62.09	5.48	-4.65	62.92	Max Peak	Horizontal	173	296	74.0	-11.1	Pass
7	17369.25	51.19	6.45	-0.08	57.56	Peak (NRB)	Horizontal	151	64	--	--	Pass

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

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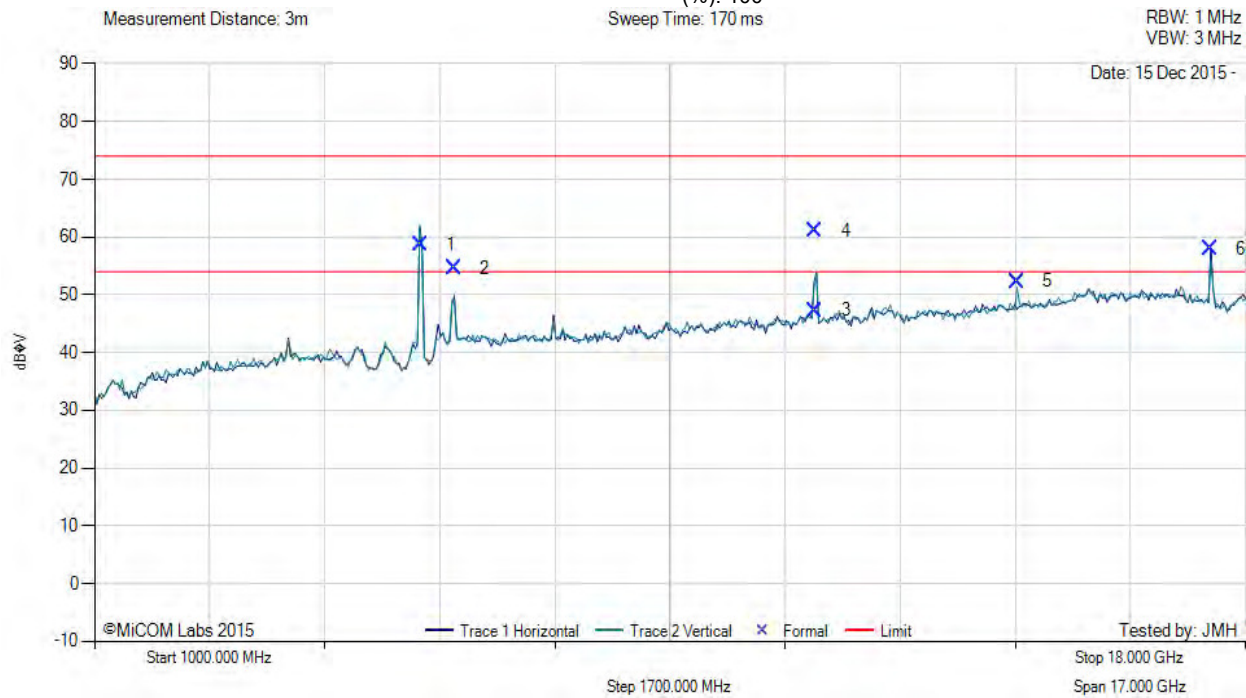
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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT13B, Power Setting: 21, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5819.56	65.03	3.83	-10.26	58.60	Fundamental	Horizontal	151	1	--	--	
2	6308.66	59.09	3.92	-8.38	54.63	Peak (NRB)	Horizontal	151	51	--	--	Pass
3	11649.14	46.28	5.44	-4.47	47.25	Max Avg	Horizontal	155	38	54.0	-6.8	Pass
4	11649.14	60.07	5.44	-4.47	61.04	Max Peak	Horizontal	155	38	74.0	-13.0	Pass
5	14631.34	50.19	5.73	-3.56	52.36	Peak (NRB)	Vertical	151	318	--	--	Pass
6	17479.16	52.18	6.33	-0.60	57.91	Peak (NRB)	Horizontal	151	318	--	--	Pass

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

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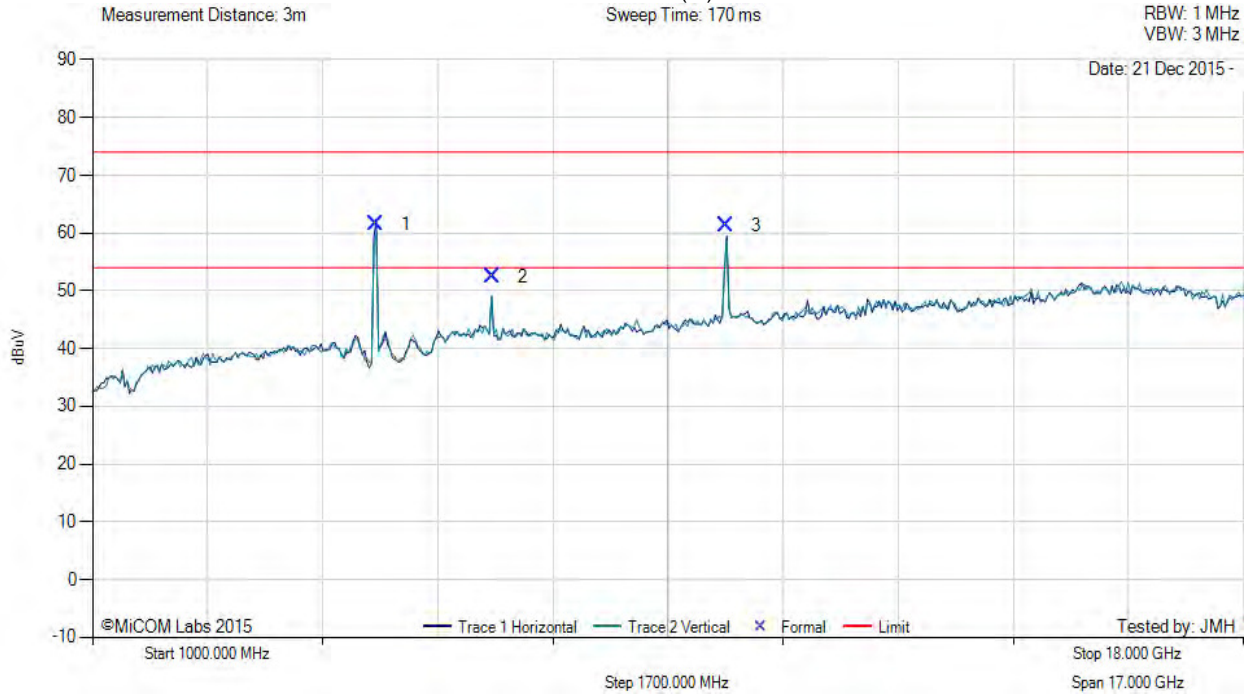


A.3.3 AP-ANT-16

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



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



Num	Frequency MHz	Raw dB μ V	Cable Loss	AF dB	Level dB μ V/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dB μ V/m	Margin dB	Pass /Fail
1	5187.05	69.39	3.68	-11.49	61.58	Fundamental	Horizontal	100	1	--	--	
2	6906.74	55.84	4.11	-7.54	52.41	Peak (NRB)	Vertical	100	0	--	--	Pass
3	10353.71	61.14	5.52	-5.30	61.36	Peak (NRB)	Horizontal	151	53	--	--	Pass

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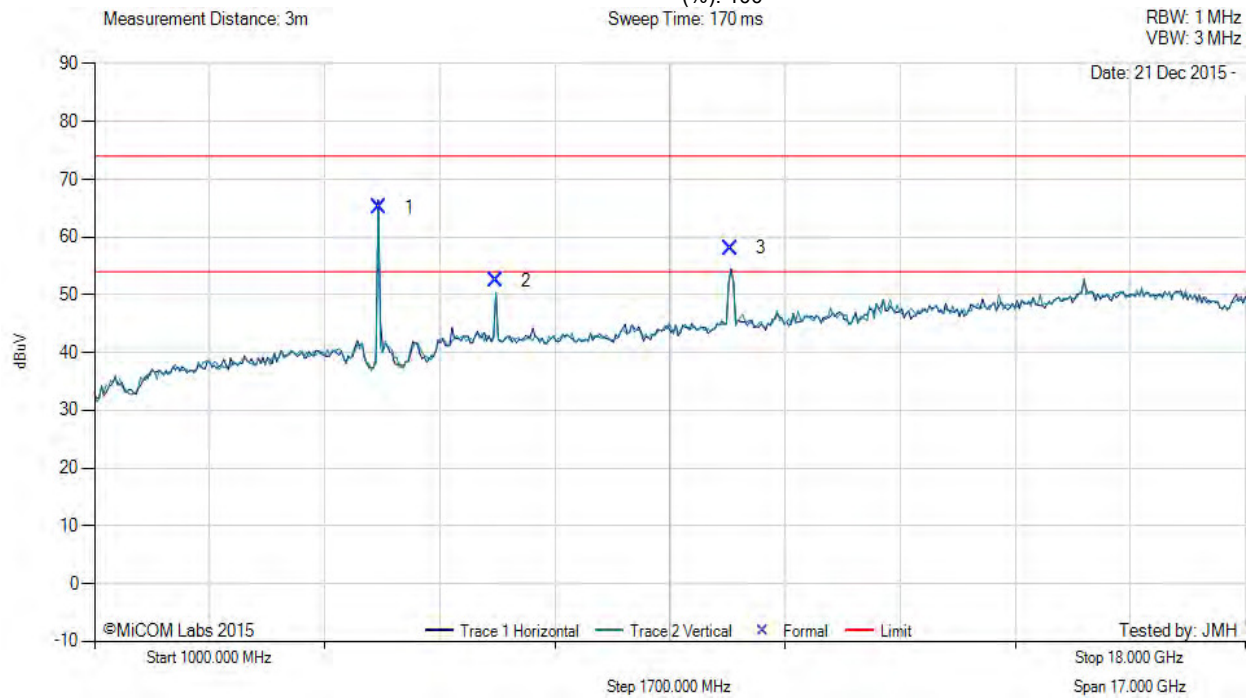


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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5200.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 21, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5201.48	72.87	3.66	-11.46	65.07	Fundamental	Horizontal	100	1	--	--	
2	6933.43	55.75	4.11	-7.49	52.37	Peak (NRB)	Horizontal	200	32	--	--	Pass
3	10399.56	57.70	5.40	-5.03	58.07	Peak (NRB)	Horizontal	148	0	--	--	Pass

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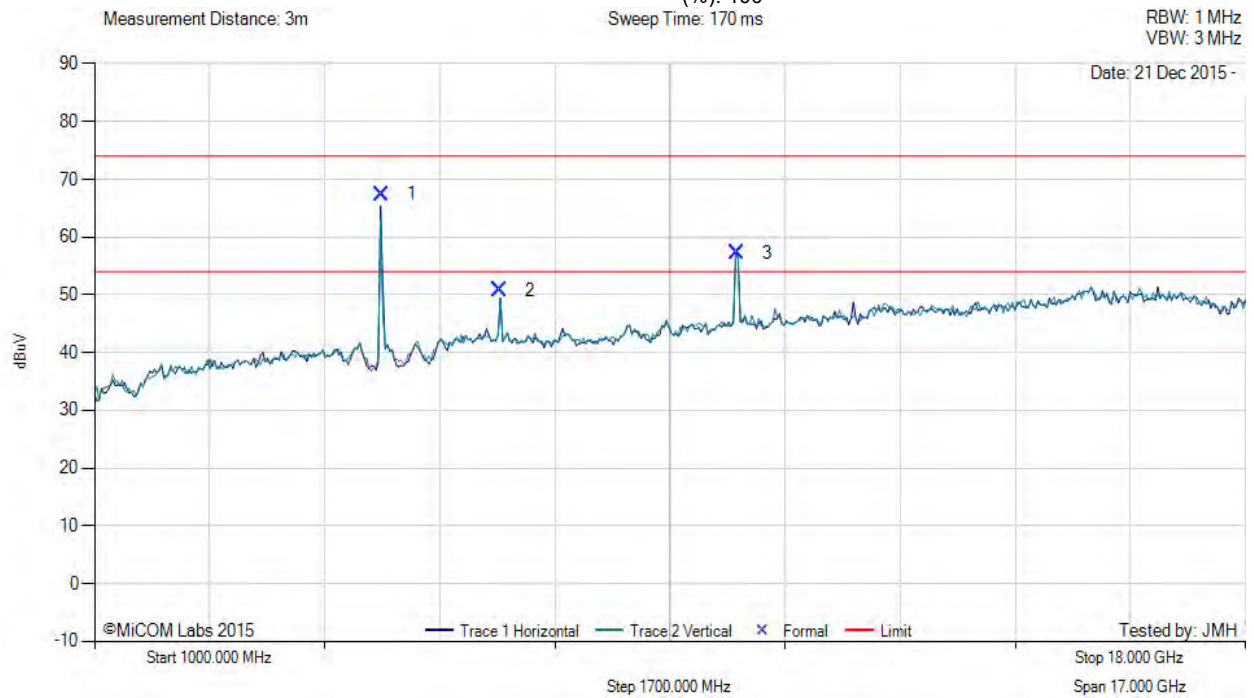


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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5240.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 21, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5236.83	75.12	3.63	-11.37	67.38	Fundamental	Horizontal	100	11	--	--	
2	6986.69	54.13	4.13	-7.45	50.81	Peak (NRB)	Horizontal	200	27	--	--	Pass
3	10484.01	56.28	5.41	-4.44	57.25	Peak (NRB)	Horizontal	148	27	--	--	Pass

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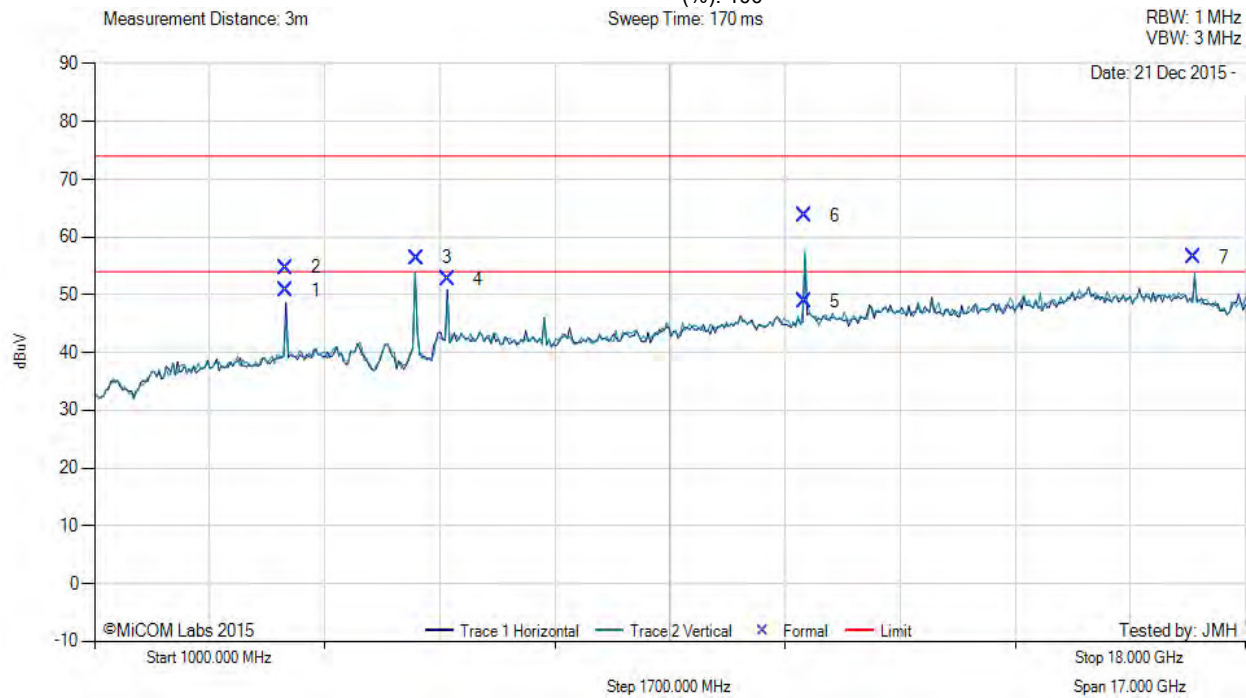
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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 21, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	3830.05	58.32	3.21	-10.83	50.70	Max Avg	Horizontal	100	316	54.0	-3.3	Pass
2	3830.05	62.30	3.21	-10.83	54.68	Max Peak	Horizontal	100	316	74.0	-19.3	Pass
3	5752.50	63.18	3.84	-10.61	56.41	Fundamental	Horizontal	101	66	--	--	
4	6216.95	57.62	3.91	-8.80	52.73	Peak (NRB)	Horizontal	101	0	--	--	Pass
5	11488.78	48.18	5.45	-4.85	48.78	Max Avg	Vertical	103	329	54.0	-5.2	Pass
6	11488.78	63.05	5.45	-4.85	63.65	Max Peak	Vertical	103	329	74.0	-10.4	Pass
7	17238.60	49.71	6.47	0.34	56.52	Peak (NRB)	Vertical	101	61	--	--	Pass

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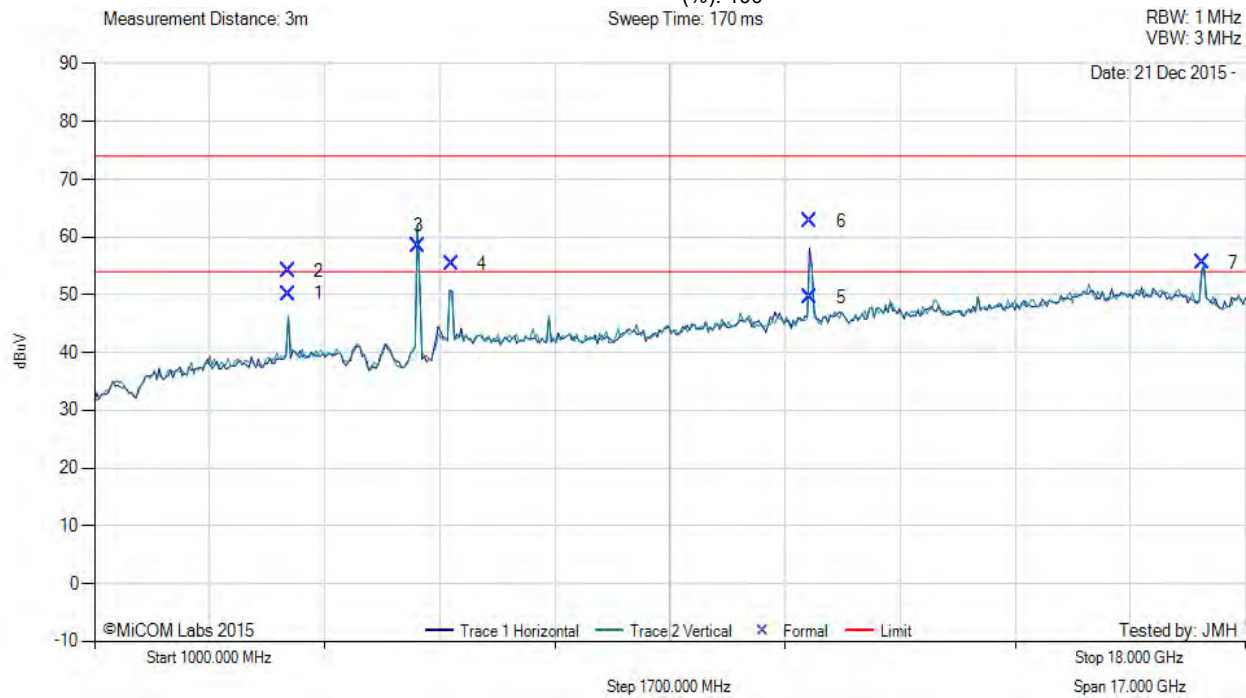
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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5785.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 21, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	3856.66	57.76	3.23	-10.81	50.18	Max Avg	Horizontal	123	321	54.0	-3.8	Pass
2	3856.66	61.73	3.23	-10.81	54.15	Max Peak	Horizontal	123	321	74.0	-19.9	Pass
3	5787.70	65.00	3.79	-10.43	58.36	Fundamental	Horizontal	200	1	--	--	
4	6273.34	59.92	3.92	-8.50	55.34	Peak (NRB)	Horizontal	148	52	--	--	Pass
5	11571.14	48.83	5.44	-4.64	49.63	Max Avg	Horizontal	153	305	54.0	-4.4	Pass
6	11571.14	61.96	5.44	-4.64	62.76	Max Peak	Horizontal	153	305	74.0	-11.2	Pass
7	17365.29	49.24	6.37	-0.06	55.55	Peak (NRB)	Horizontal	148	22	--	--	Pass

[back to matrix](#)

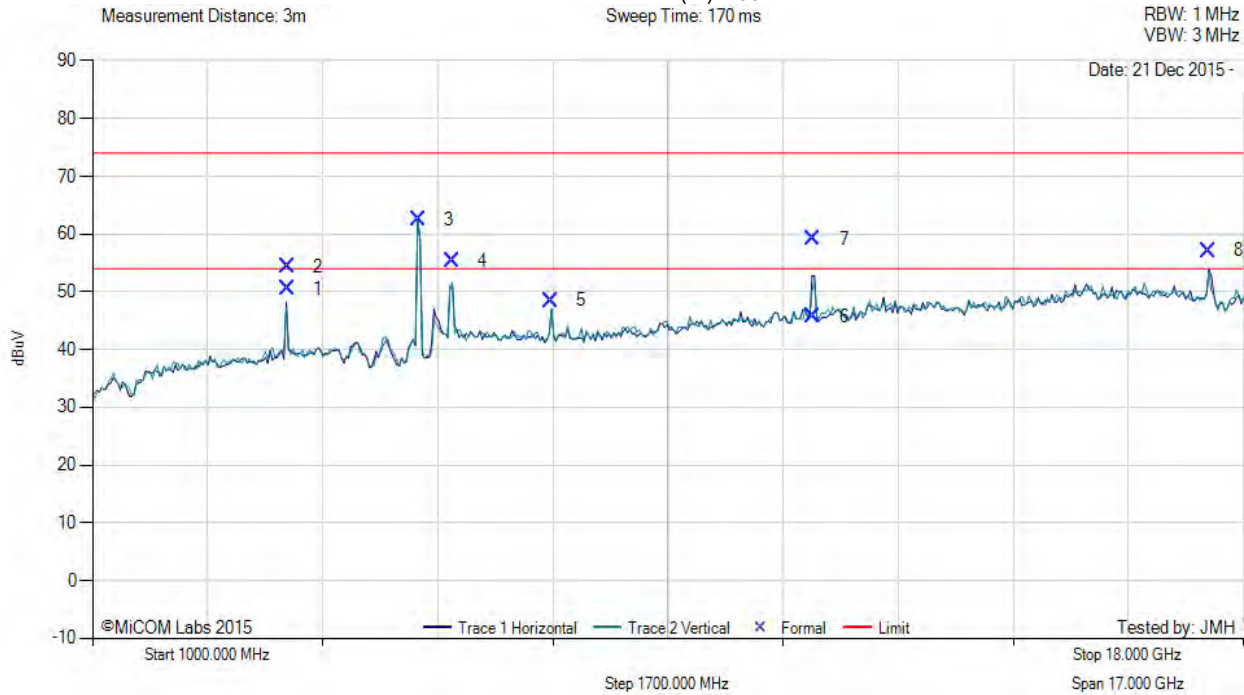
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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 21, Duty Cycle (%): 100



Num	Frequency MHz	Raw dB μ V	Cable Loss	AF dB	Level dB μ V/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dB μ V/m	Margin dB	Pass /Fail
1	3883.41	58.10	3.25	-10.76	50.59	Max Avg	Horizontal	107	313	54.0	-3.4	Pass
2	3883.41	61.88	3.25	-10.76	54.37	Max Peak	Horizontal	107	313	74.0	-19.6	Pass
3	5818.08	69.00	3.82	-10.28	62.54	Fundamental	Horizontal	101	55	--	--	
4	6310.10	59.84	3.91	-8.37	55.38	Peak (NRB)	Horizontal	200	55	--	--	Pass
5	7766.69	50.78	4.43	-6.71	48.50	Peak (NRB)	Horizontal	148	360	--	--	Pass
6	11649.46	44.73	5.44	-4.47	45.70	Max Avg	Horizontal	148	302	54.0	-8.3	Pass
7	11649.46	58.25	5.44	-4.47	59.22	Max Peak	Horizontal	148	302	74.0	-14.8	Pass
8	17478.52	51.37	6.33	-0.60	57.10	Peak (NRB)	Horizontal	148	0	--	--	Pass

[back to matrix](#)

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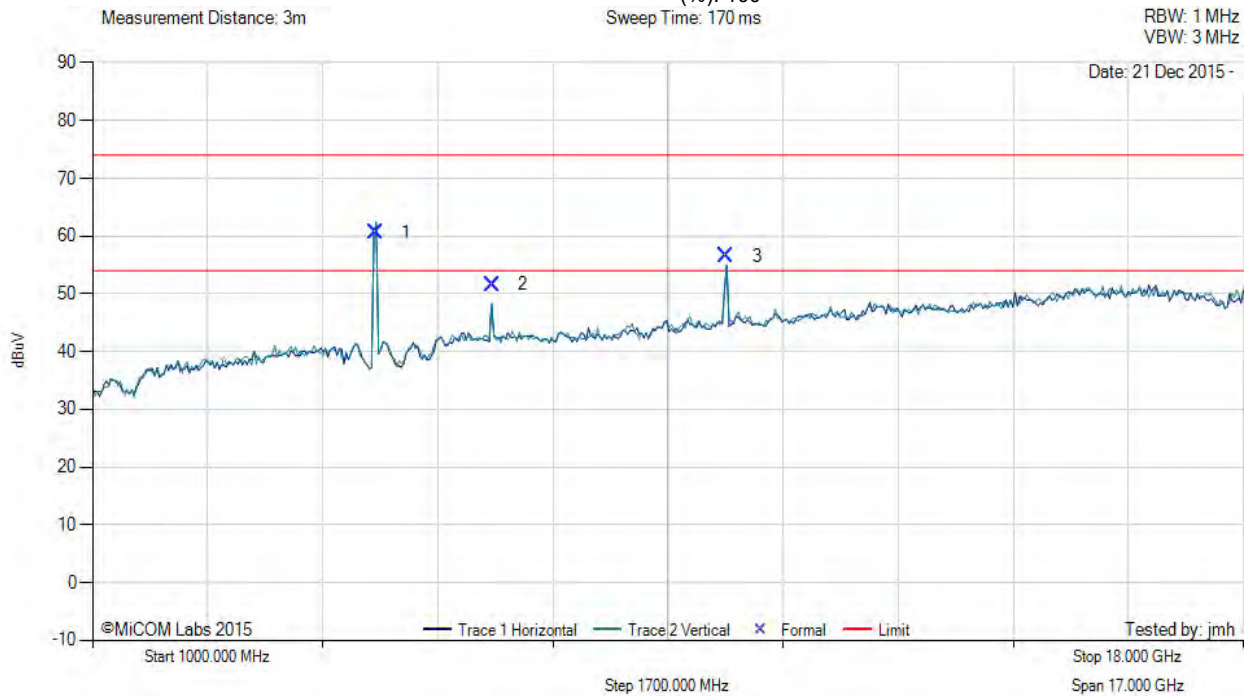


A.3.4 AP-ANT-18

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



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



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	5184.25	68.47	3.68	-11.49	60.66	Fundamental	Horizontal	101	1	--	--	
2	6906.74	54.99	4.11	-7.54	51.56	Peak (NRB)	Horizontal	100	28	--	--	Pass
3	10362.53	56.14	5.58	-5.25	56.47	Peak (NRB)	Horizontal	100	0	--	--	Pass

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

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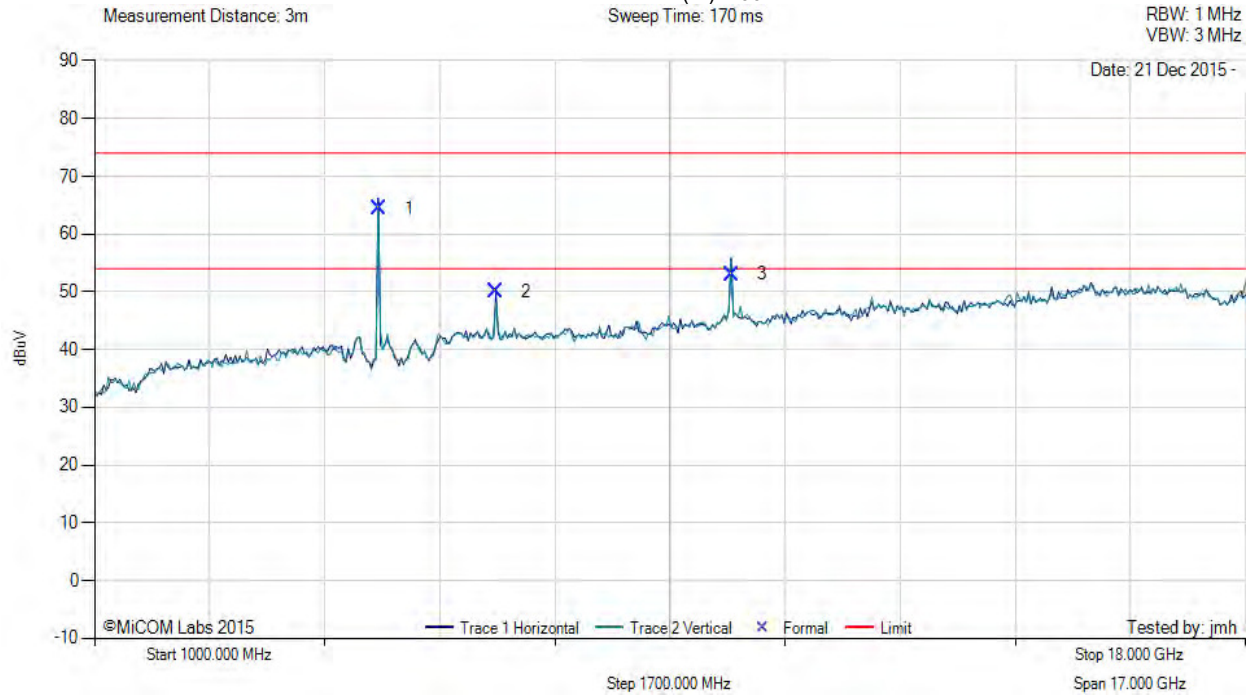


Title: Aruba Networks APIN0204, APIN0205
To: FCC CFR 47 Part 15 Subpart E 15.407
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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



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



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5194.43	72.27	3.67	-11.47	64.47	Fundamental	Horizontal	101	0	--	--	
2	6933.35	53.46	4.11	-7.49	50.08	Peak (NRB)	Horizontal	101	23	--	--	Pass
3	10406.22	52.61	5.45	-4.99	53.07	Peak (NRB)	Horizontal	101	23	--	--	Pass

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

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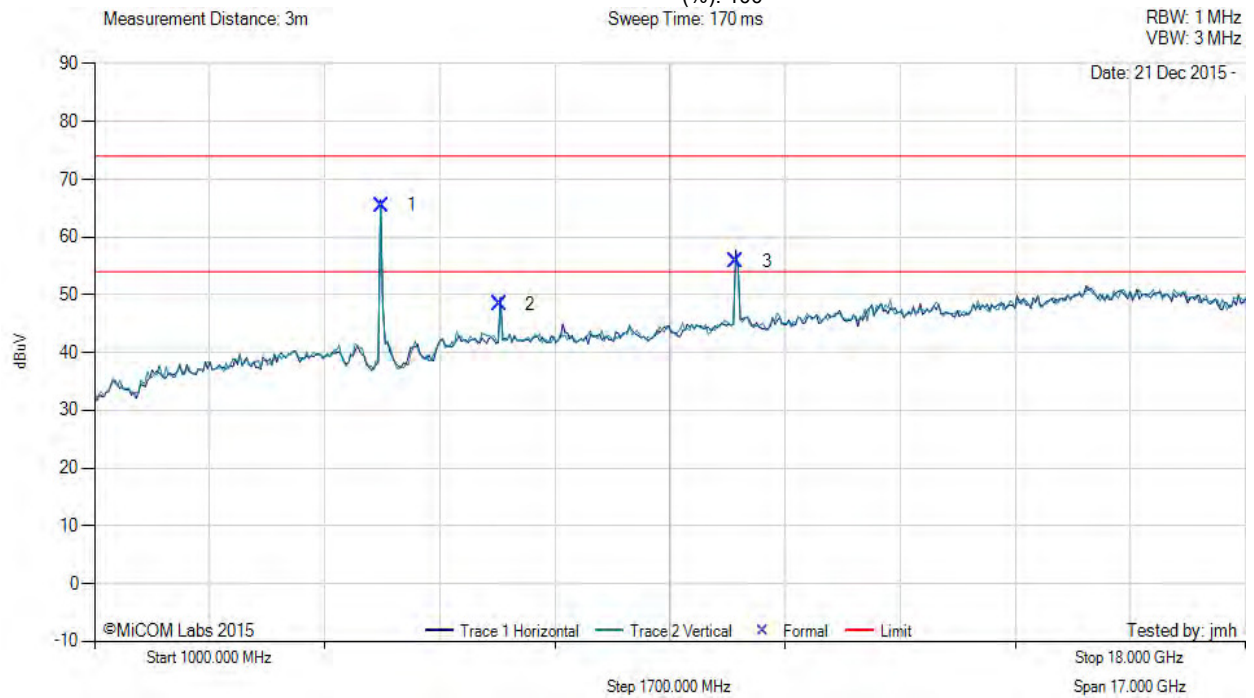


Title: Aruba Networks APIN0204, APIN0205
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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



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



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5238.84	73.20	3.63	-11.37	65.46	Fundamental	Horizontal	101	1	--	--	
2	6986.62	51.63	4.13	-7.45	48.31	Peak (NRB)	Horizontal	101	30	--	--	Pass
3	10478.35	54.85	5.44	-4.47	55.82	Peak (NRB)	Horizontal	101	4	--	--	Pass

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

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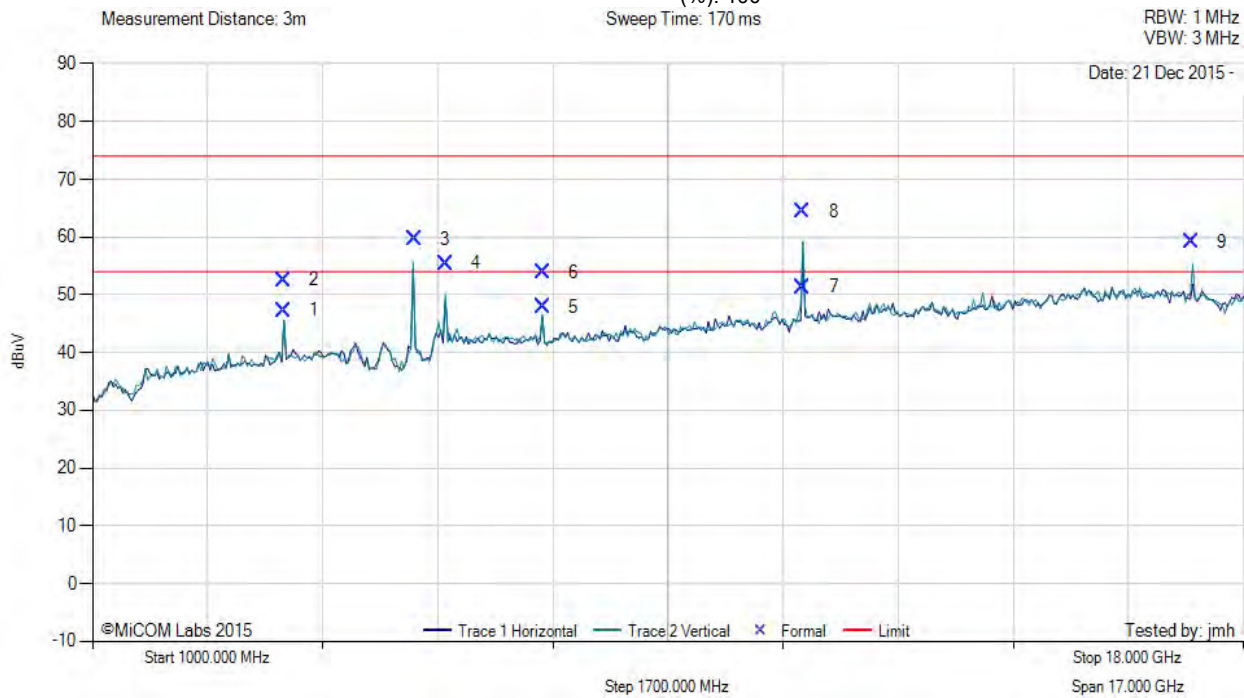
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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 21, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	3830.01	54.88	3.21	-10.83	47.26	Max Avg	Horizontal	178	23	54.0	-6.7	Pass
2	3830.01	60.21	3.21	-10.83	52.59	Max Peak	Horizontal	178	23	74.0	-21.4	Pass
3	5752.34	66.46	3.84	-10.62	59.68	Fundamental	Vertical	151	80	--	--	
4	6216.47	60.30	3.91	-8.80	55.41	Peak (NRB)	Vertical	148	0	--	--	Pass
5	7660.05	50.50	4.37	-6.95	47.92	Max Avg	Horizontal	172	307	54.0	-6.1	Pass
6	7660.05	56.41	4.37	-6.95	53.83	Max Peak	Horizontal	172	307	74.0	-20.2	Pass
7	11493.43	50.74	5.44	-4.84	51.34	Max Avg	Vertical	154	345	54.0	-2.7	Pass
8	11493.43	63.85	5.44	-4.84	64.45	Max Peak	Vertical	154	345	74.0	-9.6	Pass
9	17238.56	52.36	6.47	0.34	59.17	Peak (NRB)	Vertical	151	360	--	--	Pass

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

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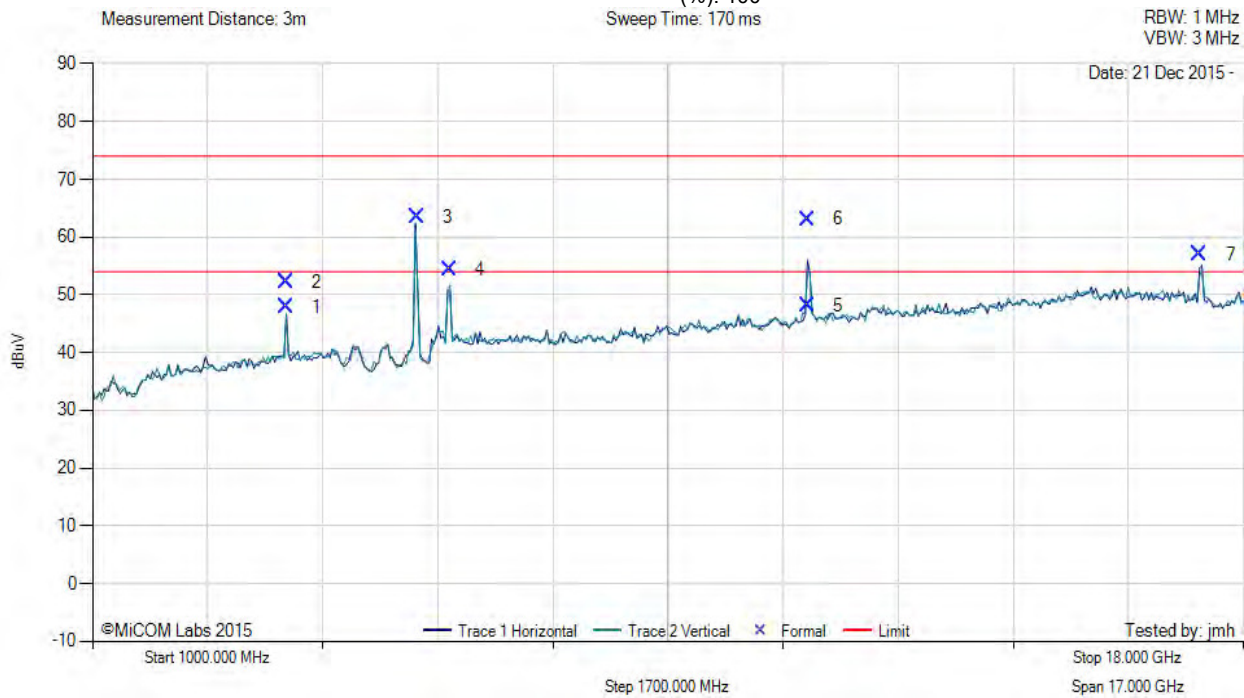


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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5785.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 21, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	3856.69	55.44	3.23	-10.81	47.86	Max Avg	Horizontal	196	23	54.0	-6.1	Pass
2	3856.69	59.80	3.23	-10.81	52.22	Max Peak	Horizontal	196	23	74.0	-21.8	Pass
3	5789.10	70.09	3.79	-10.42	63.46	Fundamental	Horizontal	151	1	--	--	
4	6274.55	58.96	3.92	-8.50	54.38	Peak (NRB)	Vertical	151	48	--	--	Pass
5	11568.78	47.33	5.48	-4.65	48.16	Max Avg	Horizontal	153	347	54.0	-5.8	Pass
6	11568.78	62.23	5.48	-4.65	63.06	Max Peak	Horizontal	153	347	74.0	-10.9	Pass
7	17358.39	50.79	6.28	-0.03	57.04	Peak (NRB)	Horizontal	151	25	--	--	Pass

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

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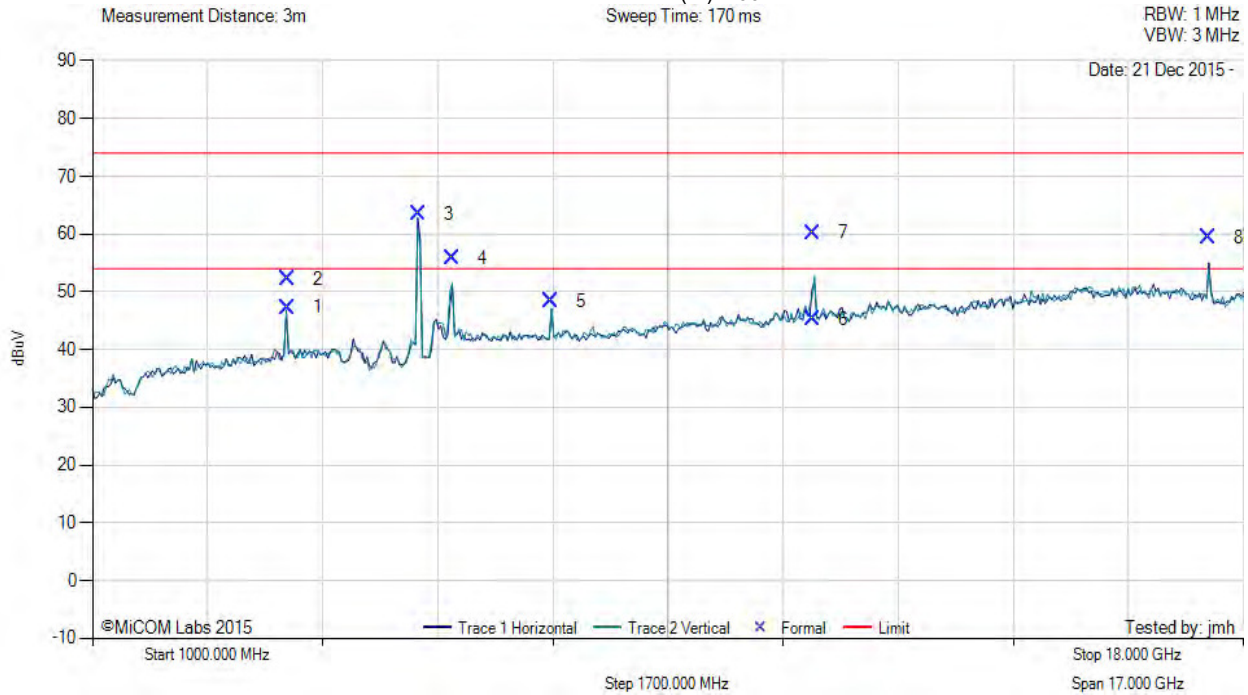
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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 21, Duty Cycle (%): 100



Num	Frequency MHz	Raw dB μ V	Cable Loss	AF dB	Level dB μ V/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dB μ V/m	Margin dB	Pass /Fail
1	3883.35	54.77	3.25	-10.76	47.26	Max Avg	Vertical	106	352	54.0	-6.7	Pass
2	3883.35	59.69	3.25	-10.76	52.18	Max Peak	Vertical	106	352	74.0	-21.8	Pass
3	5819.48	69.89	3.82	-10.28	63.43	Fundamental	Horizontal	151	0	--	--	
4	6308.58	60.24	3.92	-8.38	55.78	Peak (NRB)	Vertical	151	0	--	--	Pass
5	7766.67	50.58	4.43	-6.71	48.30	Peak (NRB)	Horizontal	151	97	--	--	Pass
6	11643.85	44.25	5.47	-4.47	45.25	Max Avg	Vertical	166	342	54.0	-8.8	Pass
7	11643.85	59.25	5.47	-4.47	60.25	Max Peak	Vertical	166	342	74.0	-13.8	Pass
8	17479.16	53.71	6.33	-0.60	59.44	Peak (NRB)	Horizontal	151	0	--	--	Pass

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

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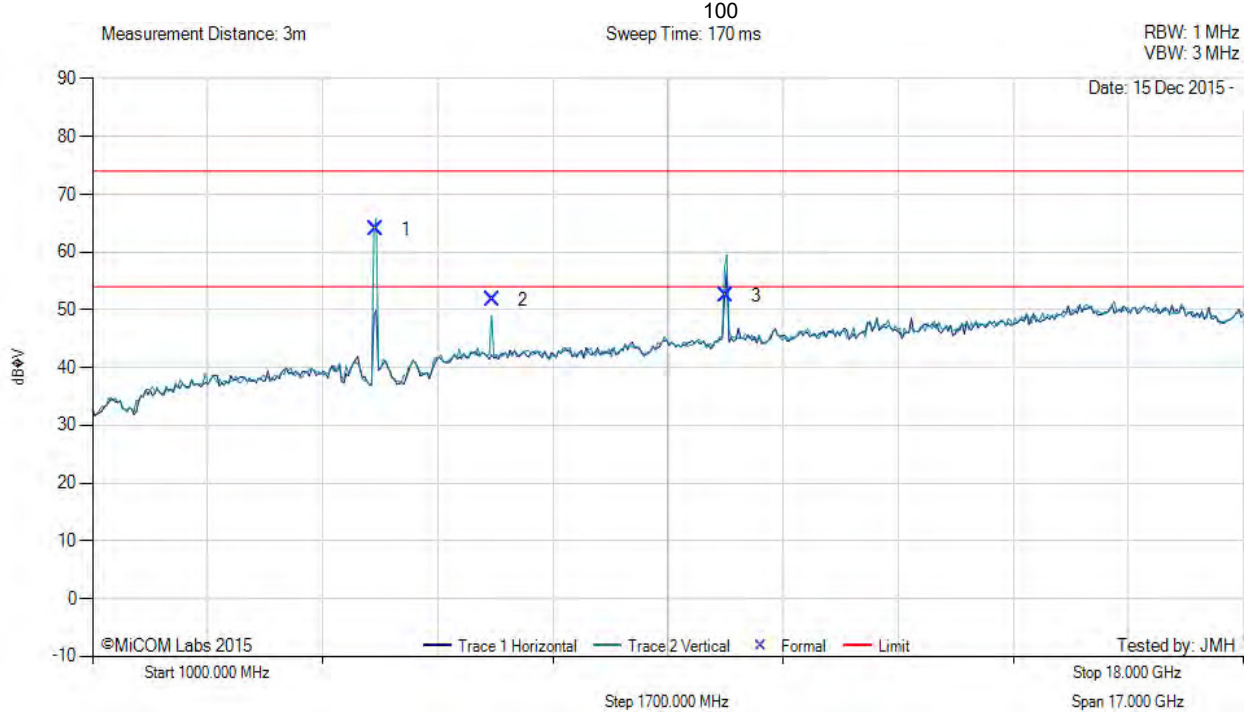


A.3.5 AP-ANT-19

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5180.00 MHz, Antenna: Aruba Networks AP-ANT19, Power Setting: 18, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5183.21	71.79	3.68	-11.50	63.97	Fundamental	Vertical	151	1	--	--	
2	6906.74	55.16	4.11	-7.54	51.73	Peak (NRB)	Vertical	151	16	--	--	Pass
3	10356.03	52.21	5.54	-5.28	52.47	Peak (NRB)	Vertical	151	16	--	--	Pass

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

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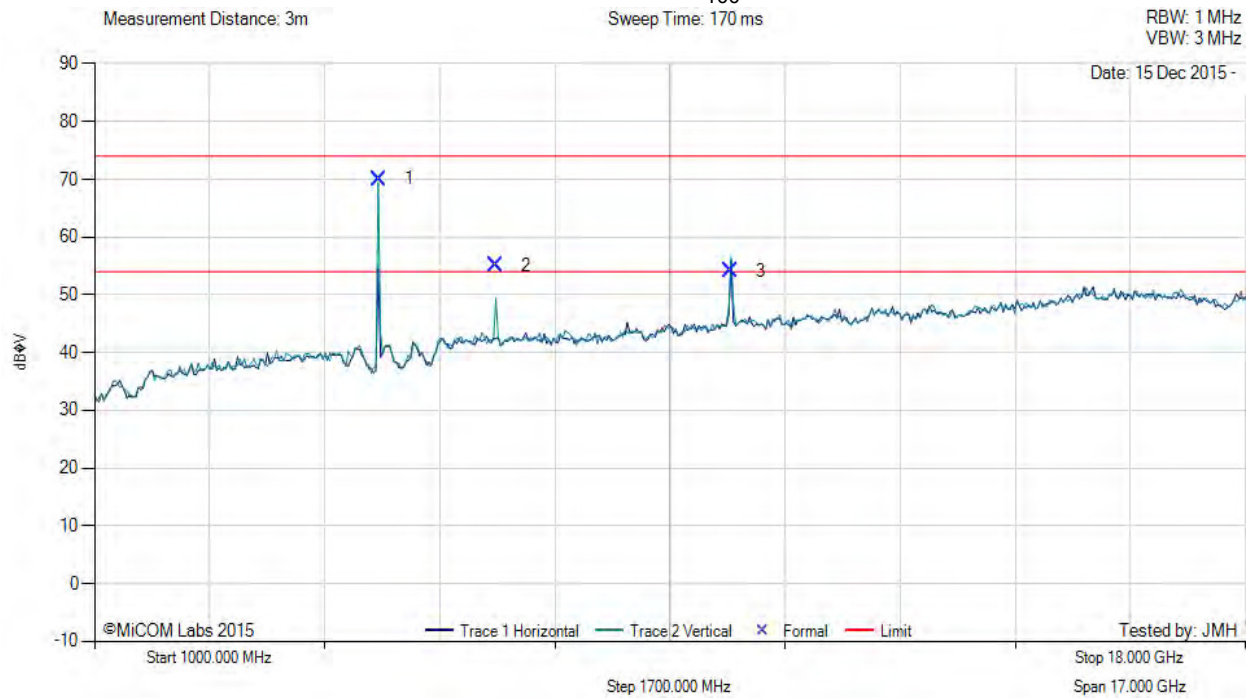


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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5200.00 MHz, Antenna: Aruba Networks AP-ANT19, Power Setting: 18, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5198.12	77.86	3.66	-11.47	70.05	Fundamental	Vertical	151	1	--	--	
2	6933.43	58.47	4.11	-7.49	55.09	Peak (NRB)	Vertical	151	13	--	--	Pass
3	10395.80	53.88	5.37	-5.06	54.19	Peak (NRB)	Vertical	151	13	--	--	Pass

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

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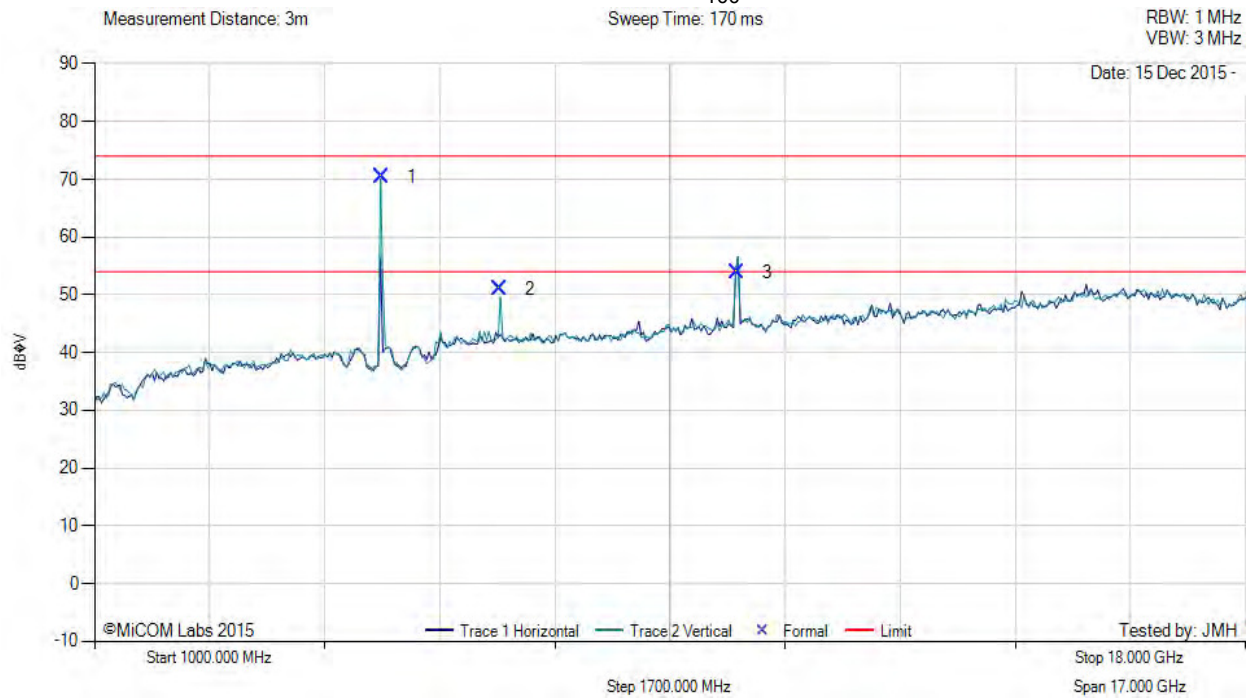


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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5240.00 MHz, Antenna: Aruba Networks AP-ANT19, Power Setting: 18, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5238.12	78.17	3.63	-11.37	70.43	Fundamental	Vertical	151	1	--	--	
2	6986.73	54.29	4.13	-7.45	50.97	Peak (NRB)	Vertical	151	45	--	--	Pass
3	10488.38	52.84	5.43	-4.40	53.87	Peak (NRB)	Horizontal	151	0	--	--	Pass

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

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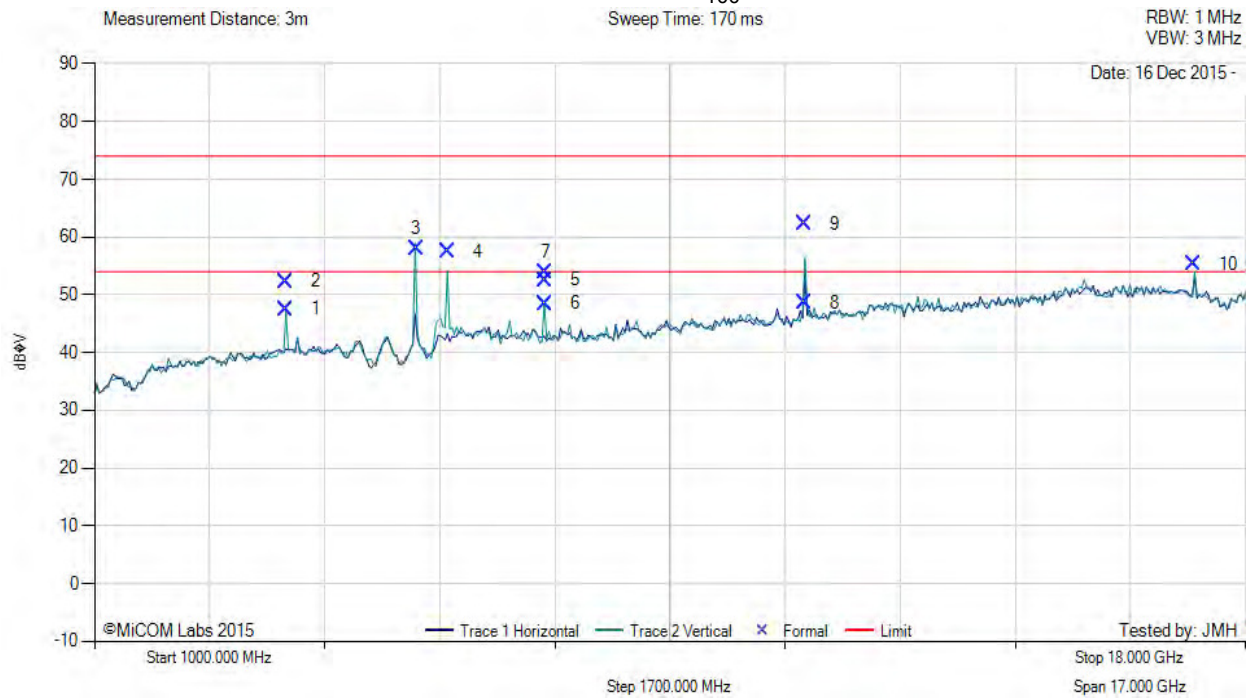
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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT19, Power Setting: 21, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	3830.05	55.11	3.21	-10.83	47.49	Max Avg	Vertical	146	35	54.0	-6.5	Pass
2	3830.05	59.94	3.21	-10.83	52.32	Max Peak	Vertical	146	35	74.0	-21.7	Pass
3	5752.66	64.69	3.84	-10.61	57.92	Fundamental	Vertical	151	1	--	--	
4	6216.71	62.41	3.91	-8.80	57.52	Peak (NRB)	Vertical	151	38	--	--	Pass
5	7660.00	55.18	4.37	-6.95	52.60	Peak (Scan)	Vertical	151	38	74.0	-21.4	Pass
6	7660.00	51.07	4.37	-6.95	48.49	Max Avg	Vertical	169	291	54.0	-5.5	Pass
7	7660.00	56.41	4.37	-6.95	53.83	Max Peak	Vertical	169	291	74.0	-20.2	Pass
8	11488.70	47.98	5.45	-4.85	48.58	Max Avg	Vertical	102	345	54.0	-5.4	Pass
9	11488.70	61.65	5.45	-4.85	62.25	Max Peak	Vertical	102	345	74.0	-11.8	Pass
10	17239.04	48.45	6.47	0.34	55.26	Peak (NRB)	Vertical	151	0	--	--	Pass

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

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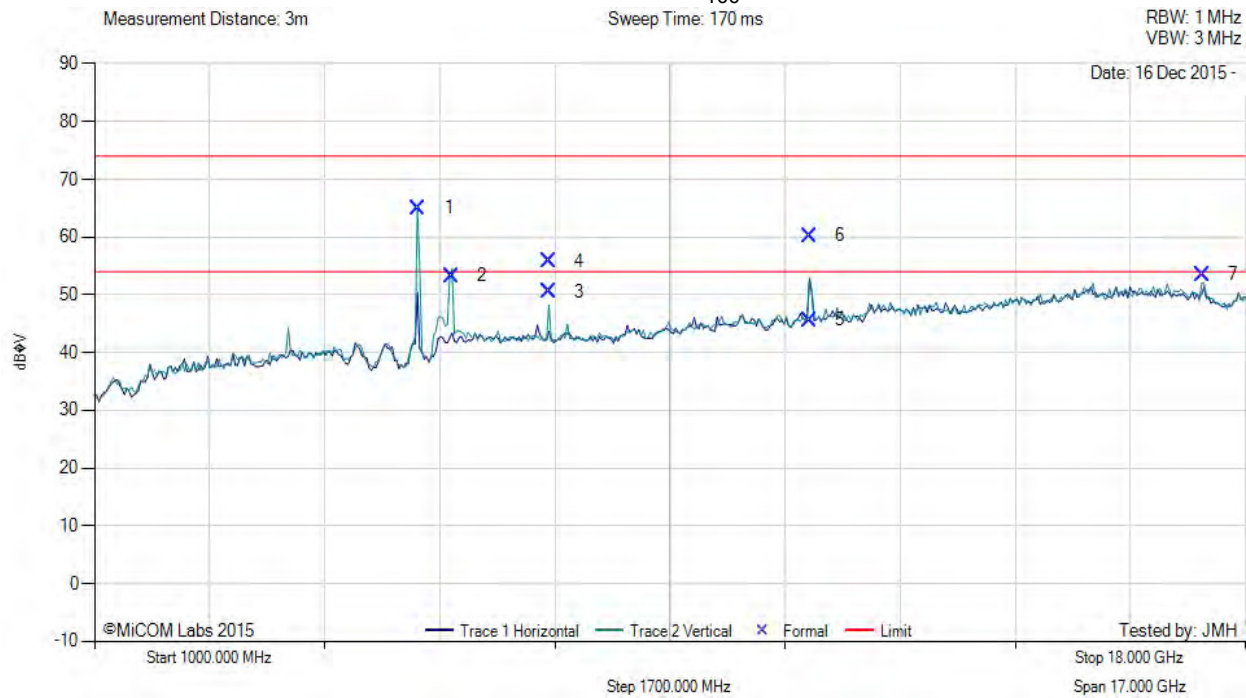
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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5785.00 MHz, Antenna: Aruba Networks AP-ANT19, Power Setting: 21, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5786.09	71.68	3.79	-10.44	65.03	Fundamental	Vertical	151	0	--	--	
2	6274.19	57.82	3.92	-8.50	53.24	Peak (NRB)	Vertical	151	0	--	--	Pass
3	7713.39	52.98	4.41	-6.85	50.54	Max Avg	Vertical	159	330	54.0	-3.5	Pass
4	7713.39	58.25	4.41	-6.85	55.81	Max Peak	Vertical	159	330	74.0	-18.2	Pass
5	11569.10	44.80	5.48	-4.65	45.63	Max Avg	Vertical	149	137	54.0	-8.4	Pass
6	11569.10	59.37	5.48	-4.65	60.20	Max Peak	Vertical	149	137	74.0	-13.8	Pass
7	17359.85	47.31	6.28	-0.04	53.55	Peak (NRB)	Vertical	151	0	--	--	Pass

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

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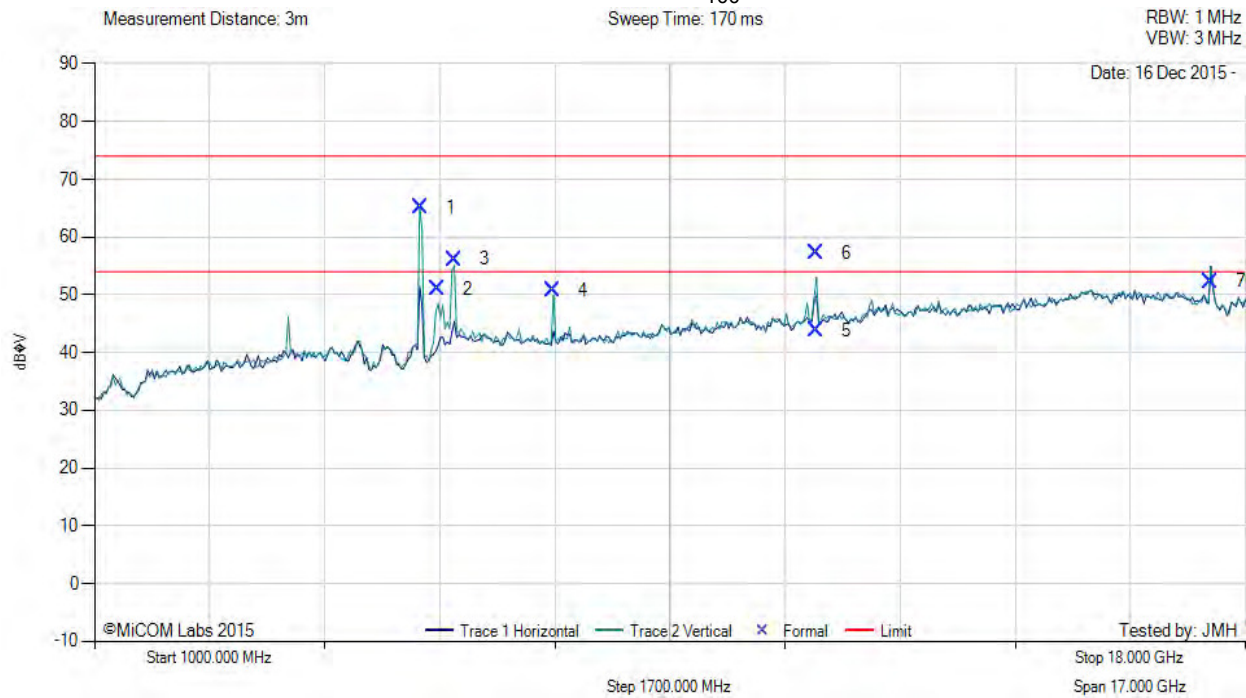


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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT19, Power Setting: 21, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5820.76	71.62	3.83	-10.26	65.19	Fundamental	Vertical	151	17	--	--	
2	6067.45	56.68	3.88	-9.61	50.95	Peak (NRB)	Vertical	151	17	--	--	Pass
3	6309.82	60.62	3.91	-8.37	56.16	Peak (NRB)	Vertical	151	360	--	--	Pass
4	7766.69	53.03	4.43	-6.71	50.75	Peak (NRB)	Vertical	151	360	--	--	Pass
5	11649.98	42.89	5.44	-4.47	43.86	Max Avg	Vertical	152	150	54.0	-10.1	Pass
6	11649.98	56.29	5.44	-4.47	57.26	Max Peak	Vertical	152	150	74.0	-16.7	Pass
7	17476.03	46.59	6.28	-0.59	52.28	Peak (NRB)	Vertical	151	360	--	--	Pass

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

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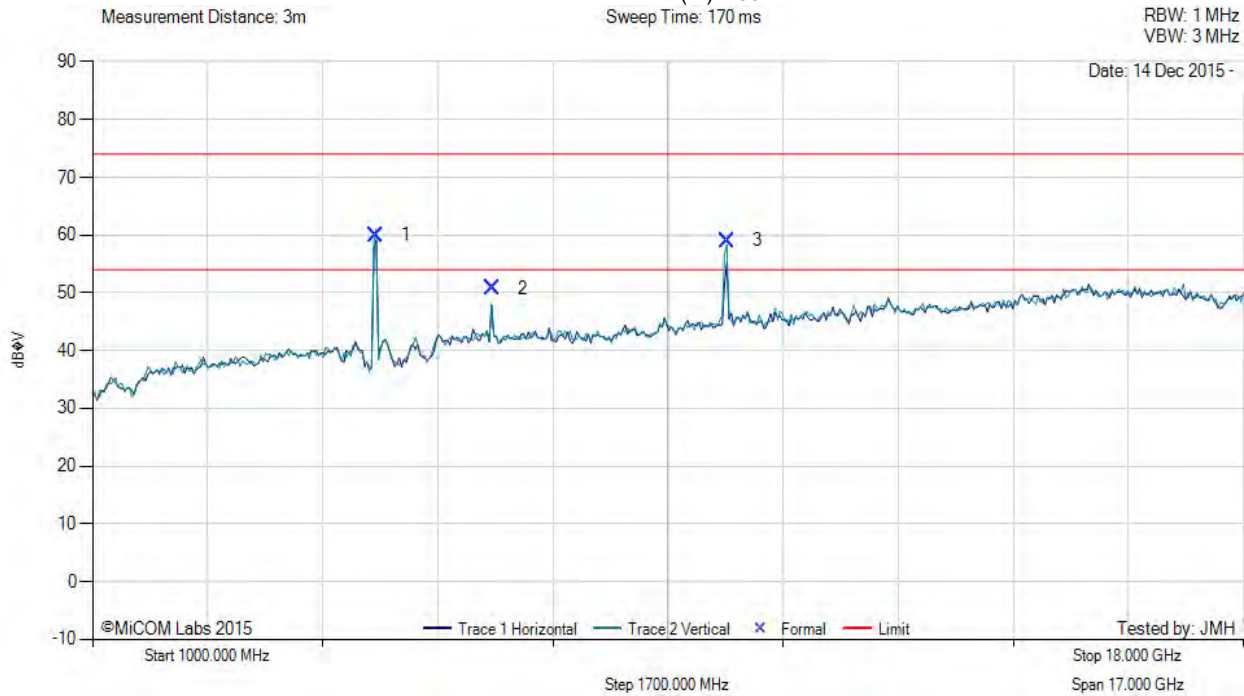


A.3.6 AP-ANT-20

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



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



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5184.41	67.84	3.68	-11.49	60.03	Fundamental	Vertical	101	1	--	--	
2	6906.64	54.16	4.11	-7.54	50.73	Peak (NRB)	Horizontal	151	1	--	--	Pass
3	10367.34	58.70	5.59	-5.23	59.06	Peak (NRB)	Vertical	151	1	--	--	Pass

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

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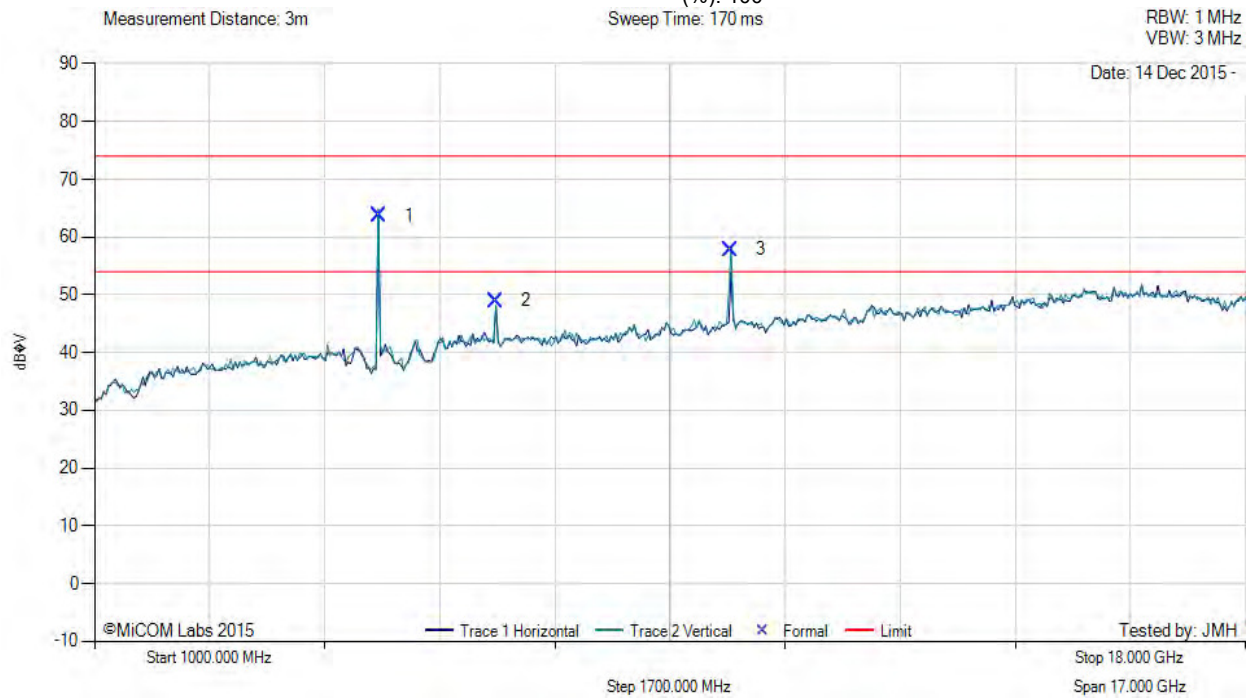


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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5200.00 MHz, Antenna: Aruba Networks AP-ANT-20, Power Setting: 18, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5199.08	71.58	3.66	-11.47	63.77	Fundamental	Vertical	101	0	--	--	
2	6933.39	52.31	4.11	-7.49	48.93	Peak (NRB)	Vertical	151	0	--	--	Pass
3	10397.88	57.46	5.38	-5.05	57.79	Peak (NRB)	Vertical	151	0	--	--	Pass

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

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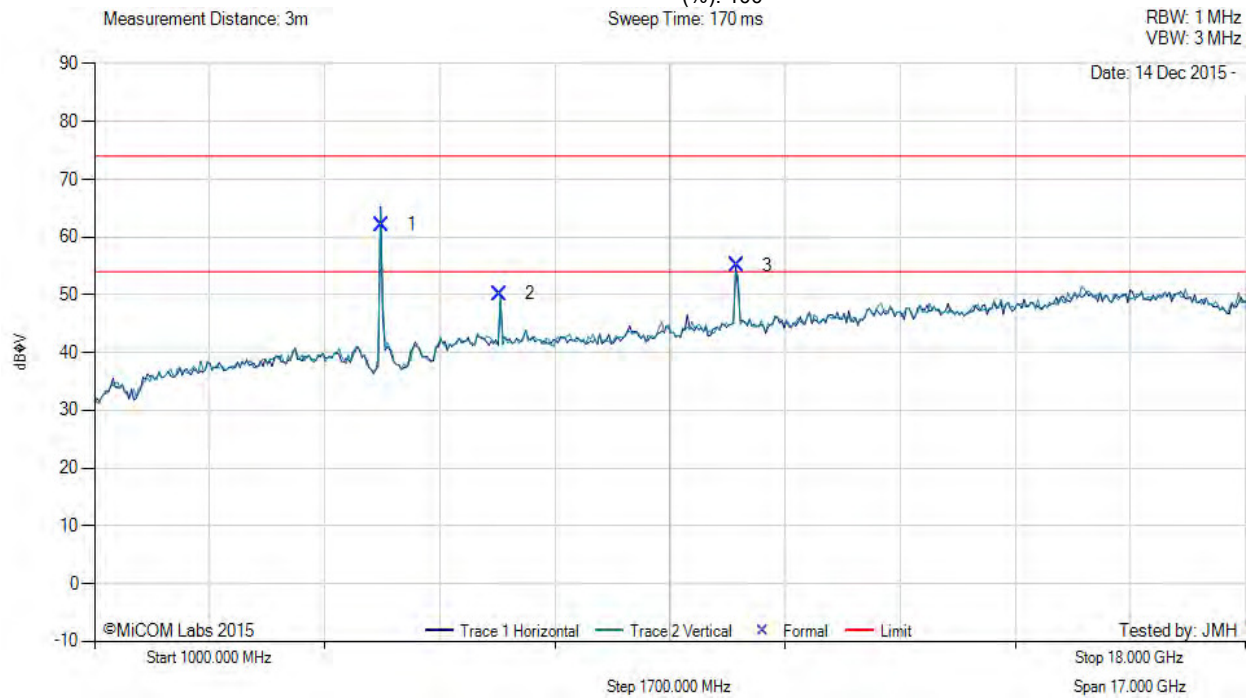


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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5240.00 MHz, Antenna: Aruba Networks AP-ANT-20, Power Setting: 18, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5242.73	69.89	3.63	-11.36	62.16	Fundamental	Horizontal	101	0	--	--	
2	6986.68	53.50	4.13	-7.45	50.18	Peak (NRB)	Vertical	151	0	--	--	Pass
3	10482.24	54.15	5.41	-4.44	55.12	Peak (NRB)	Horizontal	151	0	--	--	Pass

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

[back to matrix](#)

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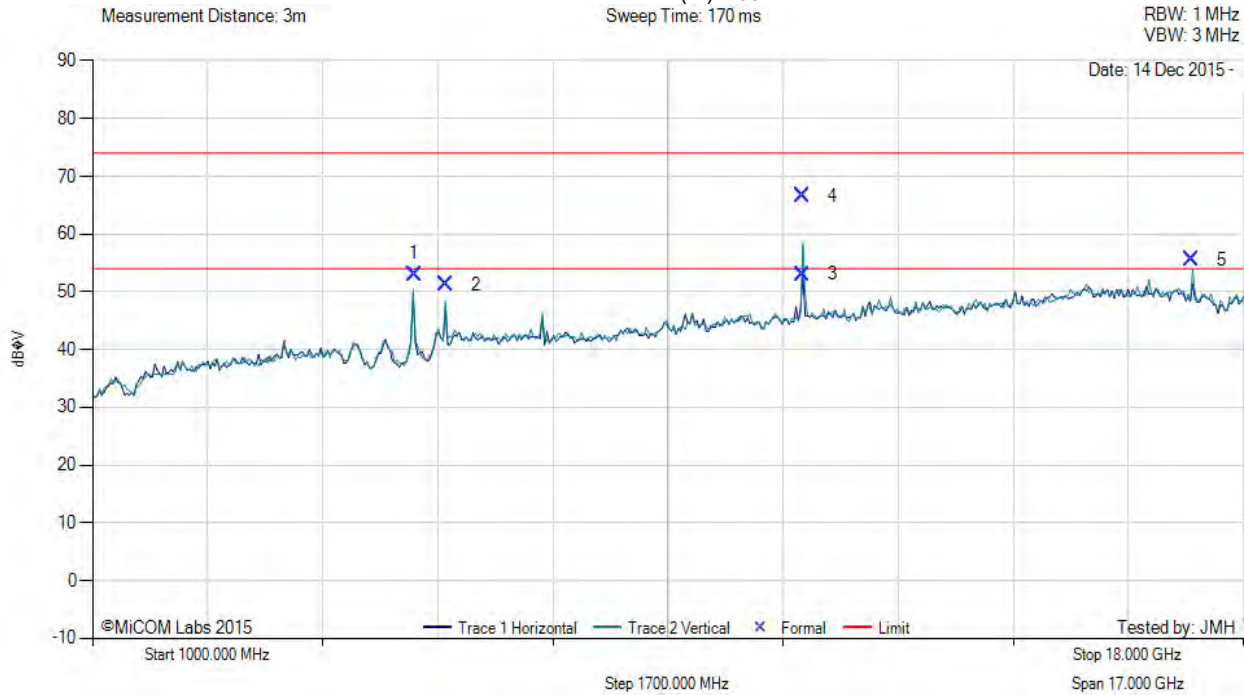


Title: Aruba Networks APIN0204, APIN0205
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB206-U5 Rev A
Issue Date: 27th April 2016
Page: 256 of 349

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-20, Power Setting: 21, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5750.10	59.84	3.85	-10.63	53.06	Fundamental	Vertical	151	0	--	--	
2	6217.15	56.20	3.91	-8.80	51.31	Peak (NRB)	Horizontal	151	360	--	--	Pass
3	11489.54	52.47	5.45	-4.84	53.08	Max Avg	Vertical	115	356	54.0	-0.9	Pass
4	11489.54	66.03	5.45	-4.84	66.64	Max Peak	Vertical	115	356	74.0	-7.4	Pass
5	17238.80	48.77	6.47	0.34	55.58	Peak (NRB)	Vertical	151	360	--	--	Pass

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

[back to matrix](#)

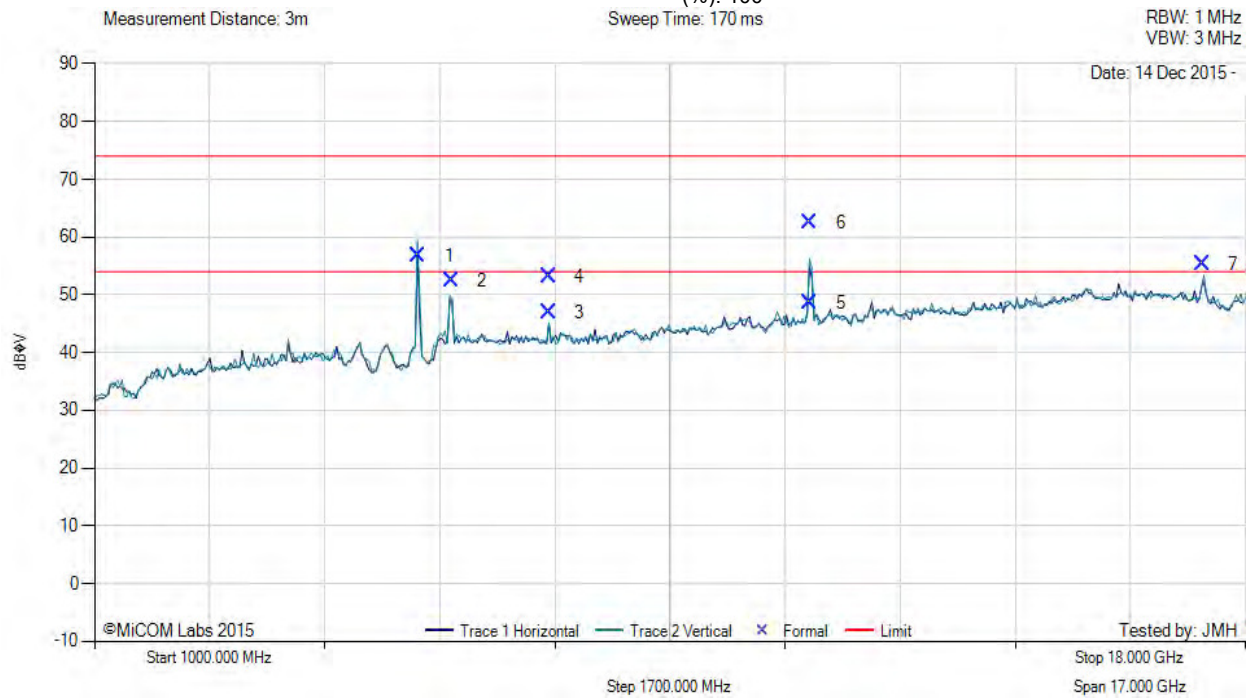
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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5785.00 MHz, Antenna: Aruba Networks AP-ANT-20, Power Setting: 21, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5784.81	63.34	3.80	-10.44	56.70	Fundamental	Vertical	151	1	--	--	
2	6272.14	56.96	3.92	-8.50	52.38	Peak (NRB)	Vertical	151	1	--	--	Pass
3	7713.44	49.40	4.41	-6.85	46.96	Max Avg	Vertical	144	52	54.0	-7.0	Pass
4	7713.44	55.66	4.41	-6.85	53.22	Max Peak	Vertical	144	52	74.0	-20.8	Pass
5	11572.54	47.85	5.42	-4.63	48.64	Max Avg	Vertical	114	352	54.0	-5.4	Pass
6	11572.54	61.68	5.42	-4.63	62.47	Max Peak	Vertical	114	352	74.0	-11.5	Pass
7	17359.45	49.08	6.28	-0.04	55.32	Peak (NRB)	Vertical	151	0	--	--	Pass

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

[back to matrix](#)

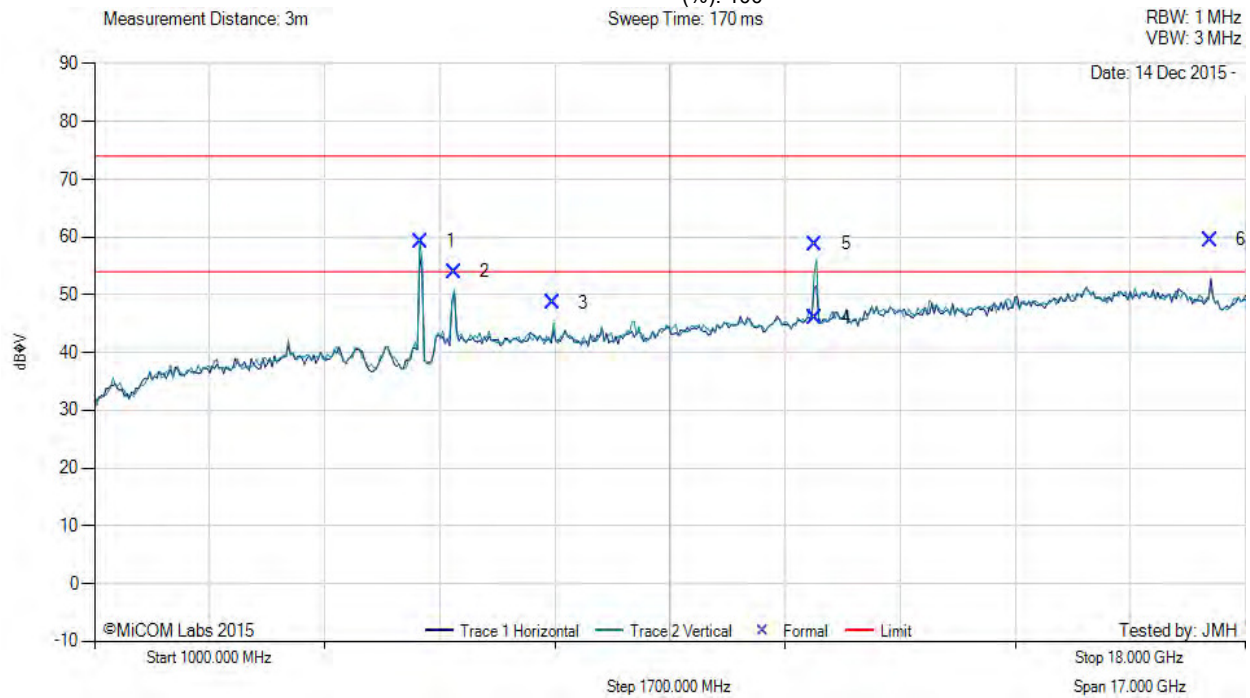
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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-20, Power Setting: 21, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5819.52	65.74	3.83	-10.26	59.31	Fundamental	Vertical	101	1	--	--	
2	6305.77	58.44	3.93	-8.39	53.98	Peak (NRB)	Vertical	101	1	--	--	Pass
3	7766.66	50.83	4.43	-6.71	48.55	Peak (NRB)	Vertical	151	1	--	--	Pass
4	11649.74	44.94	5.44	-4.47	45.91	Max Avg	Vertical	150	39	54.0	-8.1	Pass
5	11649.74	57.85	5.44	-4.47	58.82	Max Peak	Vertical	150	39	74.0	-15.2	Pass
6	17478.36	53.79	6.31	-0.60	59.50	Peak (NRB)	Horizontal	151	1	--	--	Pass

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

[back to matrix](#)

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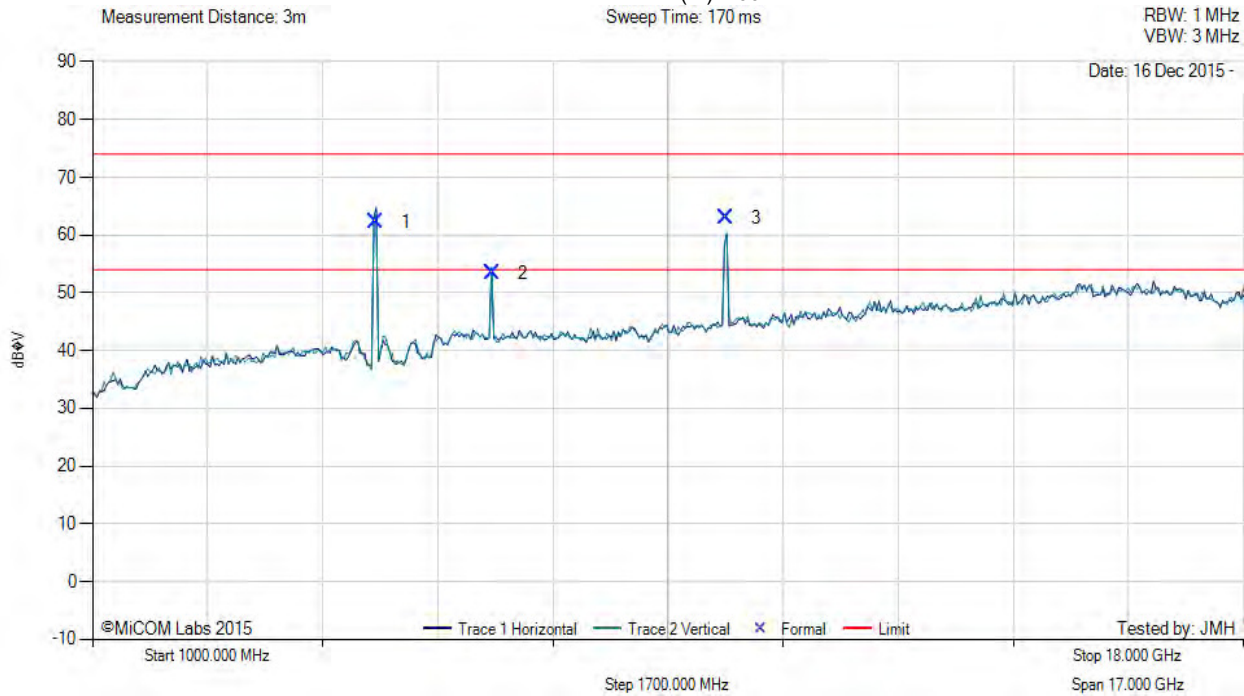


A.3.7 Integral (APIN0205)

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5180.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 18, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5187.53	70.13	3.68	-11.49	62.32	Fundamental	Horizontal	151	0	--	--	
2	6906.71	56.84	4.11	-7.54	53.41	Peak (NRB)	Horizontal	151	0	--	--	Pass
3	10354.99	62.70	5.53	-5.30	62.93	Peak (NRB)	Horizontal	151	0	--	--	Pass

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

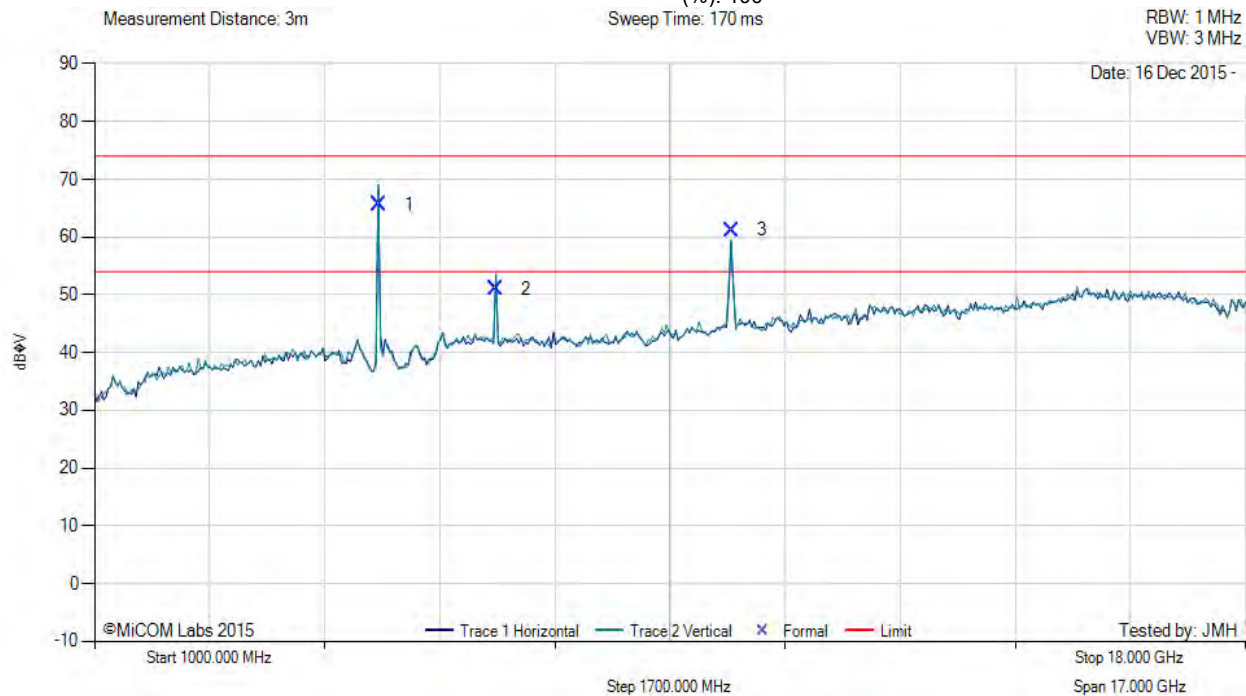
[back to matrix](#)

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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5200.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 18, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5198.20	73.36	3.66	-11.47	65.55	Fundamental	Horizontal	200	1	--	--	
2	6933.31	54.32	4.11	-7.49	50.94	Peak (NRB)	Horizontal	200	1	--	--	Pass
3	10405.66	60.70	5.45	-4.99	61.16	Peak (NRB)	Horizontal	198	1	--	--	Pass

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

[back to matrix](#)

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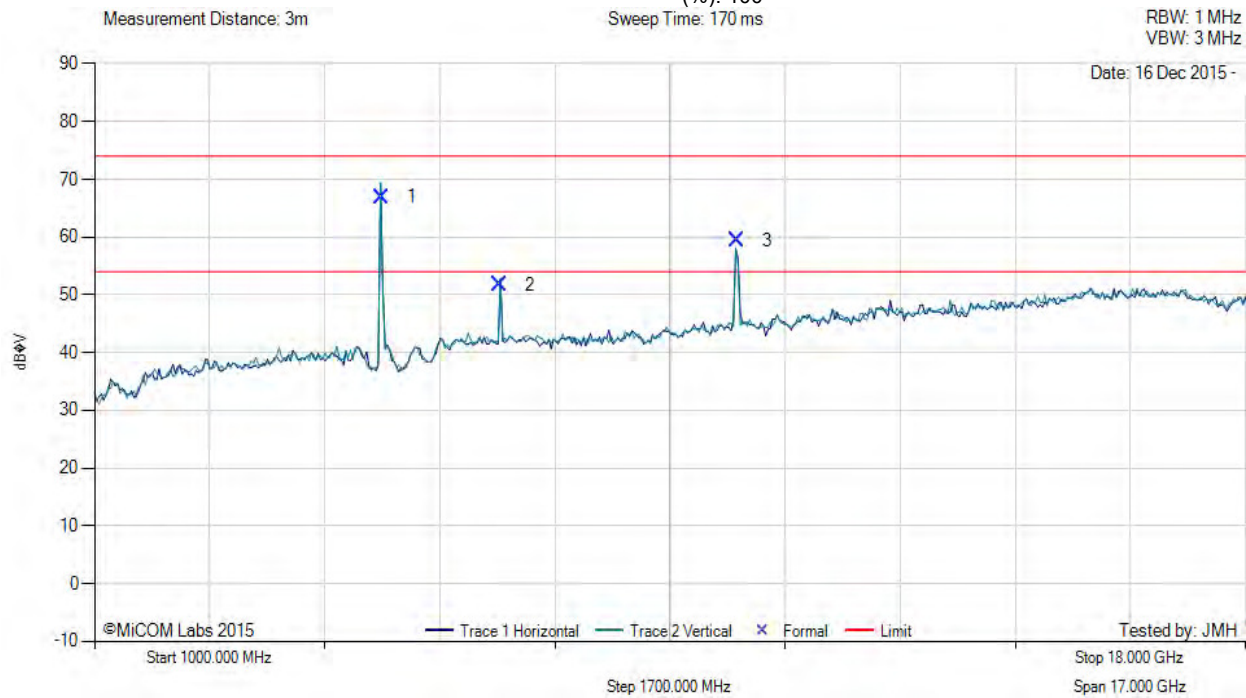


Title: Aruba Networks APIN0204, APIN0205
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB206-U5 Rev A
Issue Date: 27th April 2016
Page: 261 of 349

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5240.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 18, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5238.76	74.65	3.63	-11.37	66.91	Fundamental	Horizontal	200	1	--	--	
2	6986.64	55.02	4.13	-7.45	51.70	Peak (NRB)	Horizontal	200	1	--	--	Pass
3	10486.37	58.37	5.42	-4.42	59.37	Peak (NRB)	Horizontal	200	1	--	--	Pass

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

[back to matrix](#)

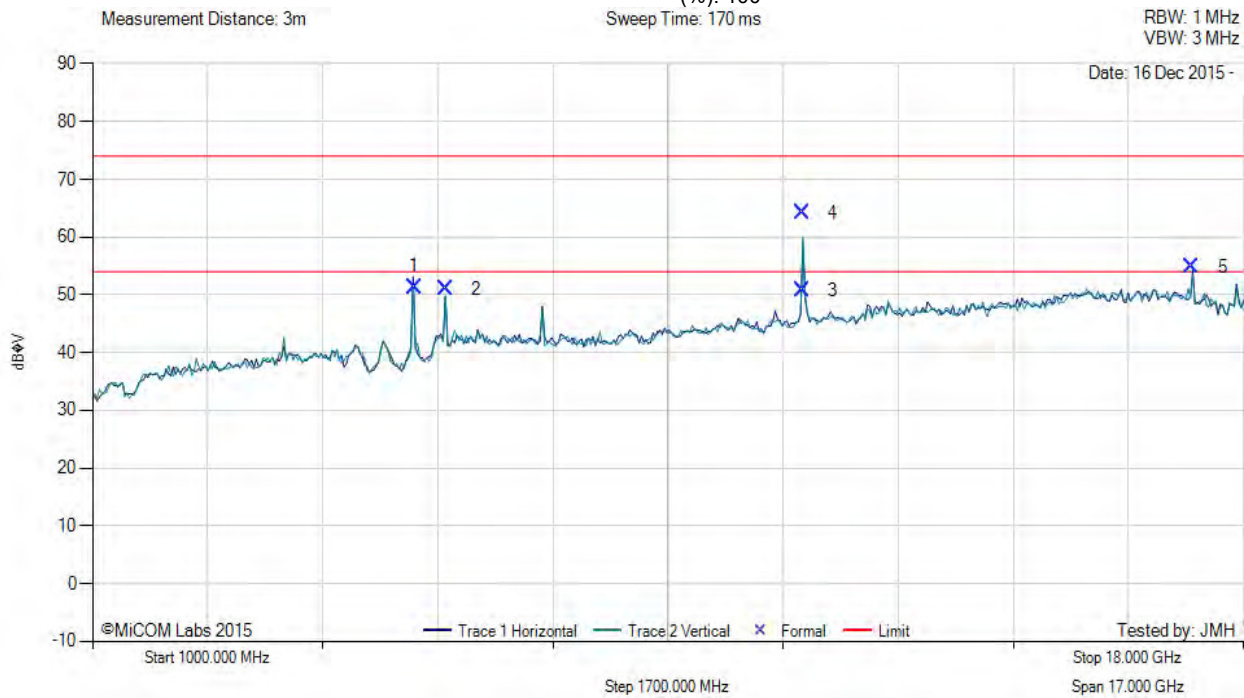
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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



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



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5749.94	58.11	3.85	-10.63	51.33	Fundamental	Horizontal	151	0	--	--	
2	6219.67	55.84	3.92	-8.78	50.98	Peak (NRB)	Horizontal	151	0	--	--	Pass
3	11492.15	50.14	5.44	-4.84	50.74	Max Avg	Vertical	130	6	54.0	-3.3	Pass
4	11492.15	63.58	5.44	-4.84	64.18	Max Peak	Vertical	130	6	74.0	-9.8	Pass
5	17239.77	48.07	6.47	0.34	54.88	Peak (NRB)	Horizontal	151	360	--	--	Pass

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

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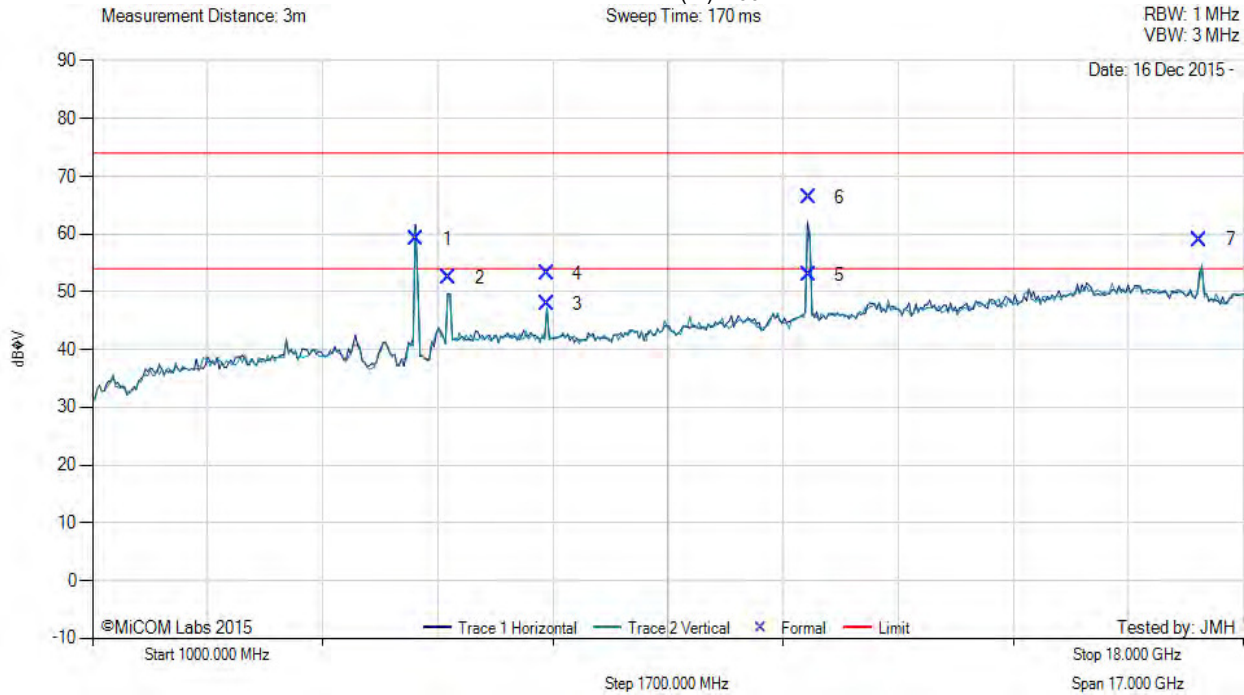


Title: Aruba Networks APIN0204, APIN0205
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB206-U5 Rev A
Issue Date: 27th April 2016
Page: 263 of 349

RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5785.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 21, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5786.49	65.86	3.79	-10.44	59.21	Fundamental	Horizontal	101	1	--	--	
2	6266.85	57.01	3.93	-8.52	52.42	Peak (NRB)	Horizontal	101	1	--	--	Pass
3	7713.28	50.35	4.41	-6.85	47.91	Max Avg	Horizontal	183	355	54.0	-6.1	Pass
4	7713.28	55.66	4.41	-6.85	53.22	Max Peak	Horizontal	183	355	74.0	-20.8	Pass
5	11573.83	52.13	5.42	-4.62	52.93	Max Avg	Horizontal	193	38	54.0	-1.1	Pass
6	11573.83	65.52	5.42	-4.62	66.32	Max Peak	Horizontal	193	38	74.0	-7.7	Pass
7	17357.99	52.77	6.28	-0.03	59.02	Peak (NRB)	Vertical	101	1	--	--	Pass

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

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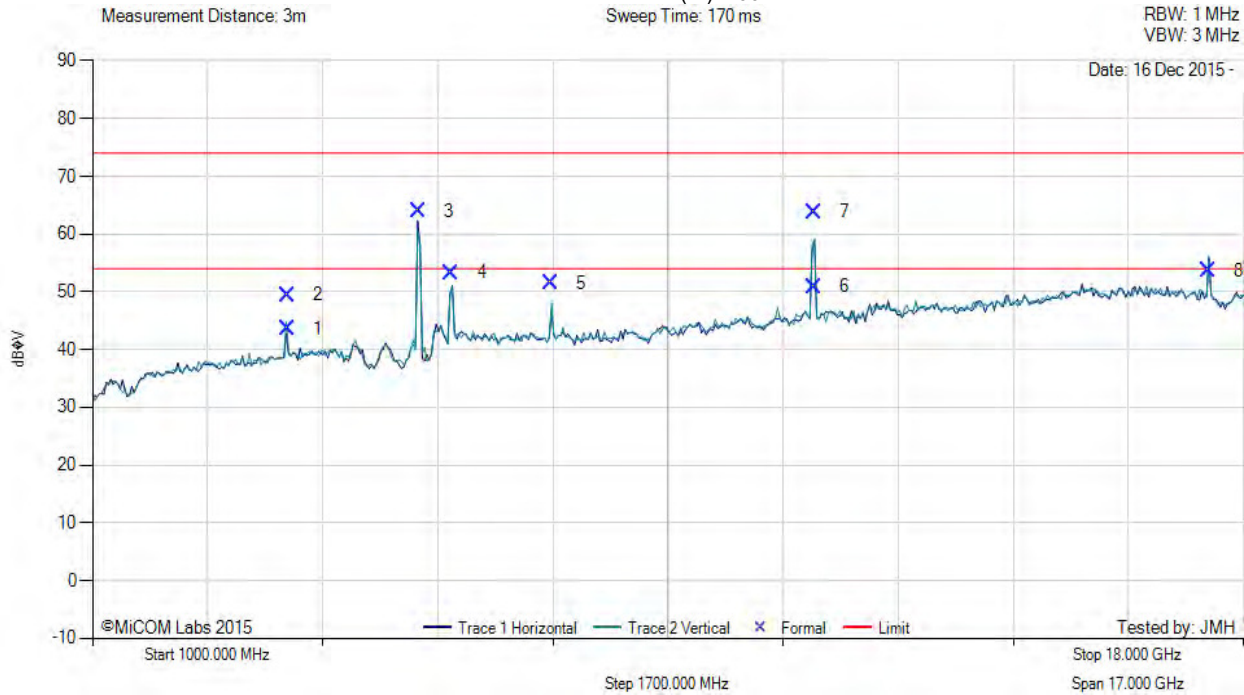
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RADIATED SPURIOUS - RESTRICTED BAND EMISSIONS



Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks Metal Sheet, Power Setting: 21, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	3883.34	51.09	3.25	-10.76	43.58	Max Avg	Vertical	145	25	54.0	-10.4	Pass
2	3883.34	56.92	3.25	-10.76	49.41	Max Peak	Vertical	145	25	74.0	-24.6	Pass
3	5820.32	70.42	3.83	-10.26	63.99	Fundamental	Horizontal	151	1	--	--	
4	6304.09	57.72	3.94	-8.40	53.26	Peak (NRB)	Horizontal	151	1	--	--	Pass
5	7766.60	53.82	4.43	-6.71	51.54	Peak (NRB)	Vertical	151	1	--	--	Pass
6	11652.71	49.86	5.49	-4.46	50.89	Max Avg	Horizontal	131	35	54.0	-3.1	Pass
7	11652.71	62.82	5.49	-4.46	63.85	Max Peak	Horizontal	131	35	74.0	-10.2	Pass
8	17478.28	47.92	6.31	-0.60	53.63	Peak (NRB)	Horizontal	151	1	--	--	Pass

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

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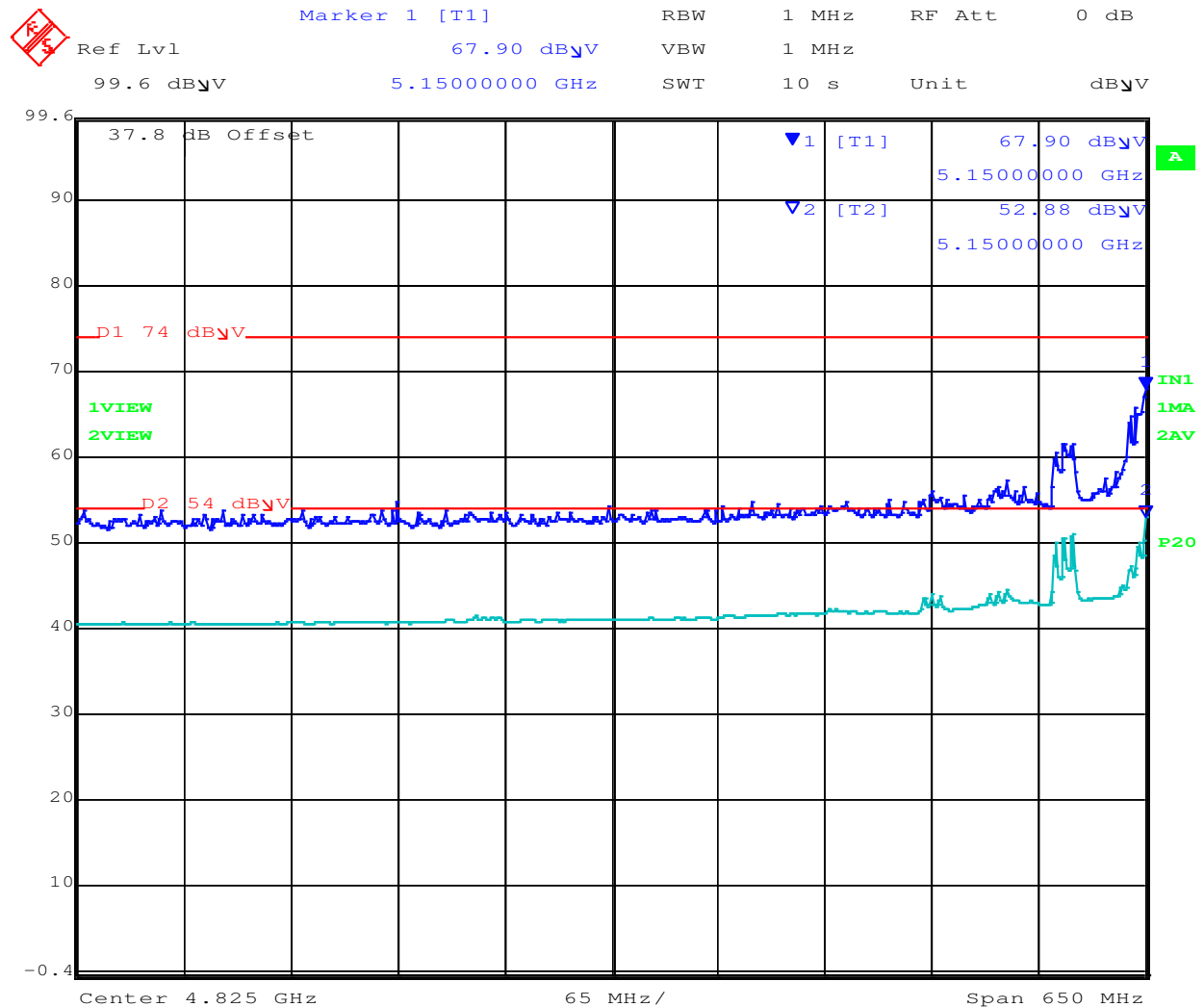


A.4. Restricted Band-Edge Emissions

A.4.1 AP-ANT-1B

Restricted Band-Edge 5150 MHz

802.11a

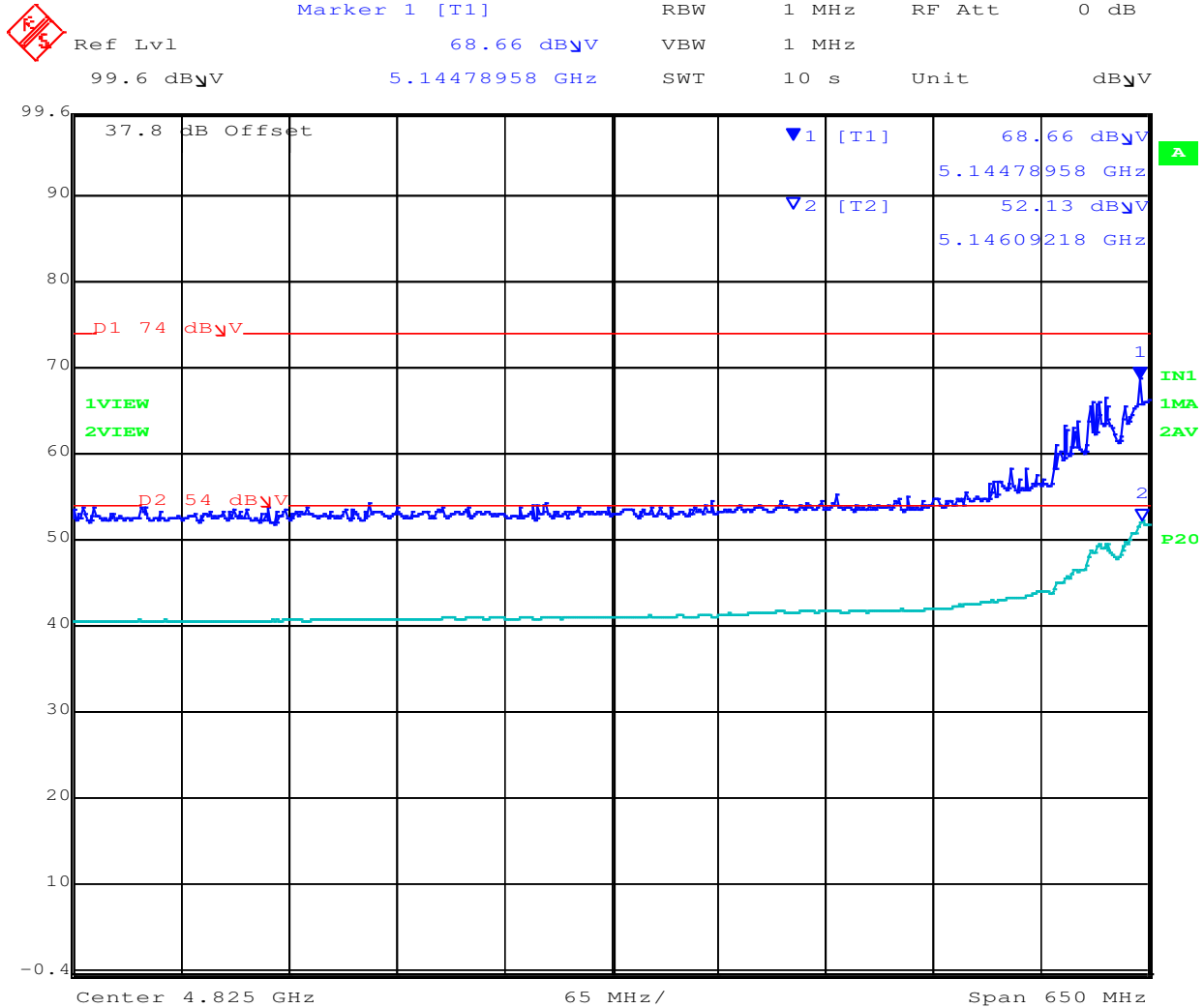


Date: 1.JAN.1997 01:40:29

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Restricted Band-Edge 5150 MHz
802.11ac-80

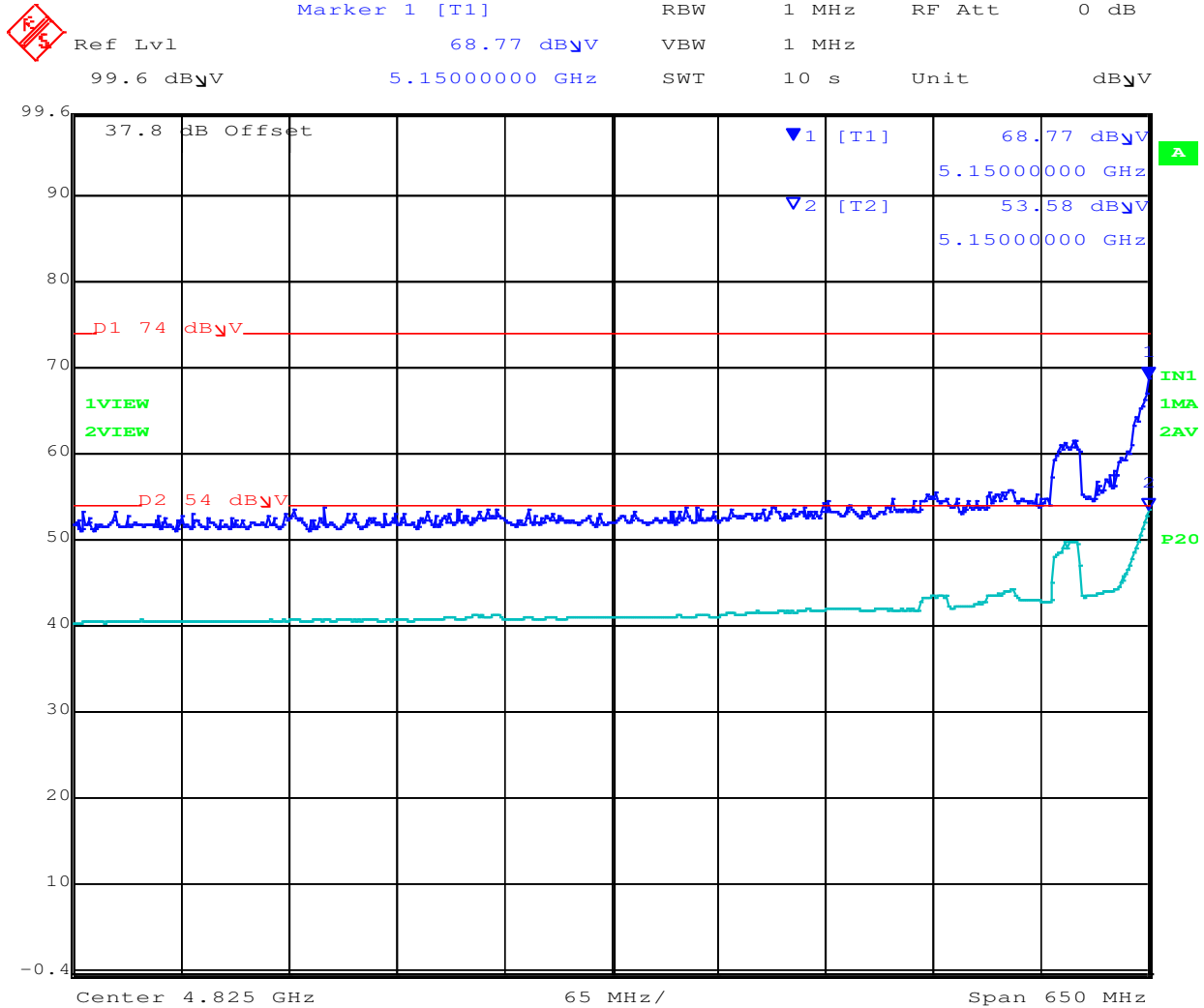


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Restricted Band-Edge 5150 MHz
802.11HT-20



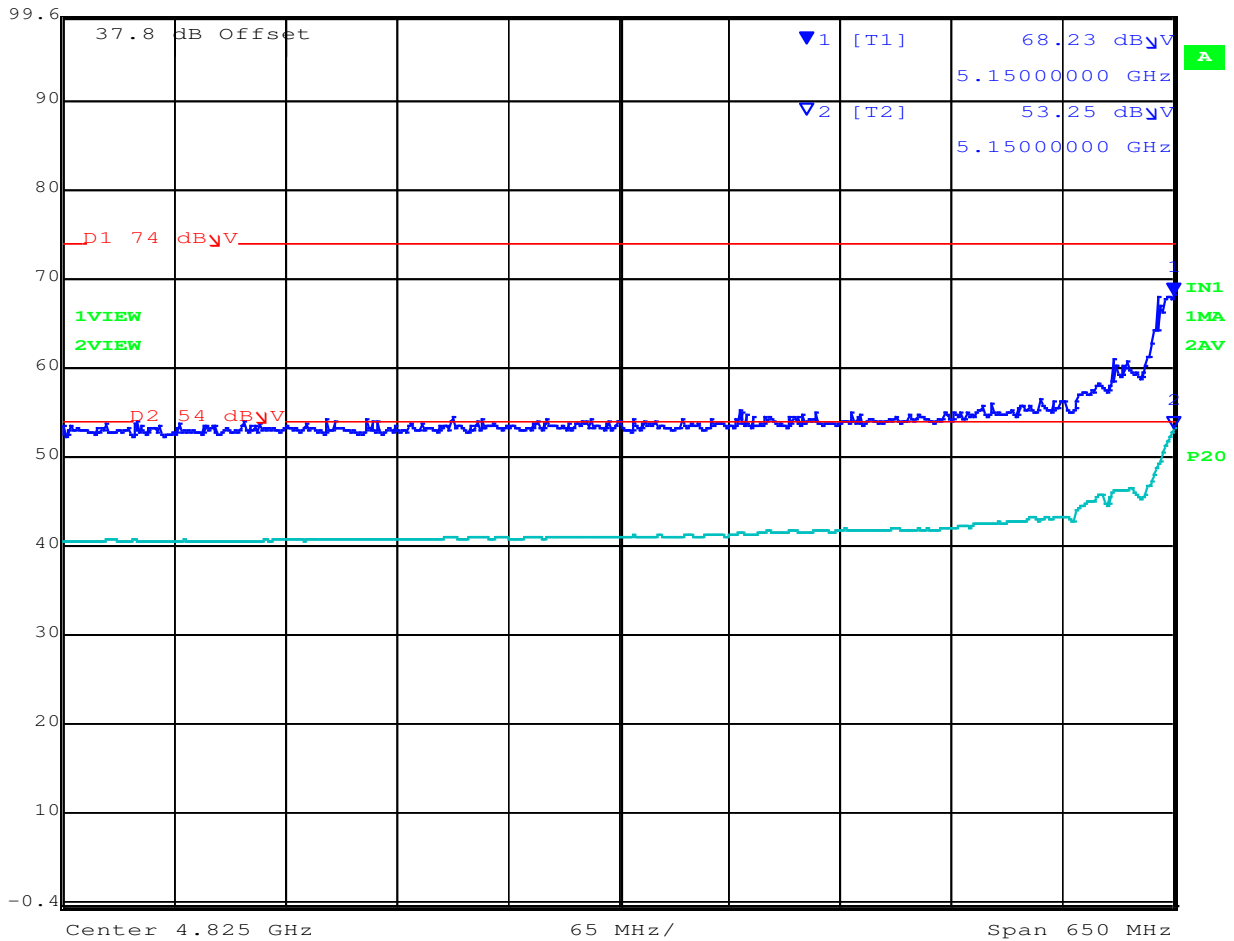
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Restricted Band-Edge 5150 MHz
802.11HT-40

	Marker 1 [T1]	RBW	1 MHz	RF Att	0 dB
	Ref Lvl	68.23 dB μ V	VBW	1 MHz	
	99.6 dB μ V	5.1500000 GHz	SWT	10 s	Unit dB μ V



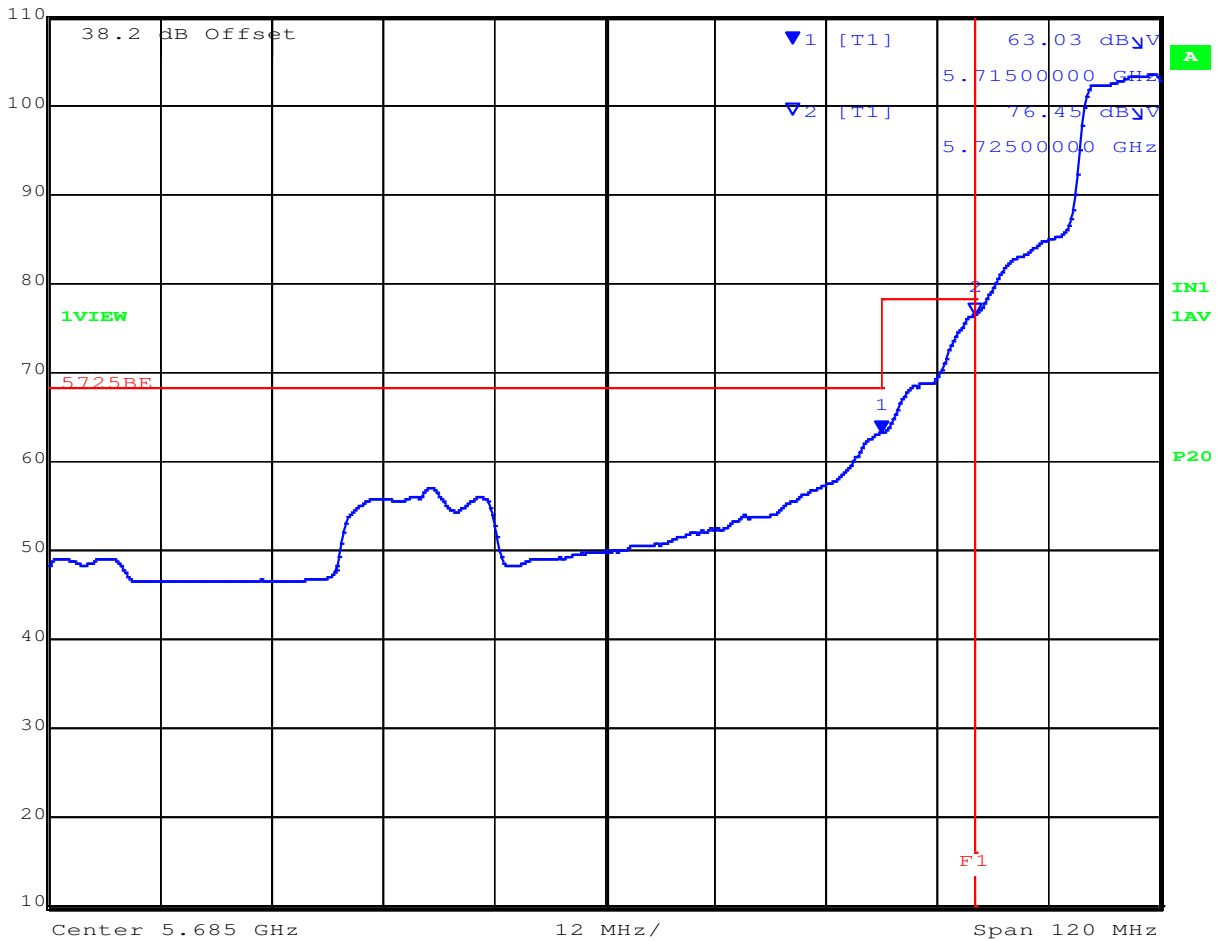
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Restricted Band-Edge 5725 MHz
802.11a

	Marker 1 [T1]	RBW	1 MHz	RF Att	0 dB
	Ref Lvl	63.03 dB μ V	VBW	1 MHz	
	110 dB μ V	5.7150000 GHz	SWT	10 s	Unit



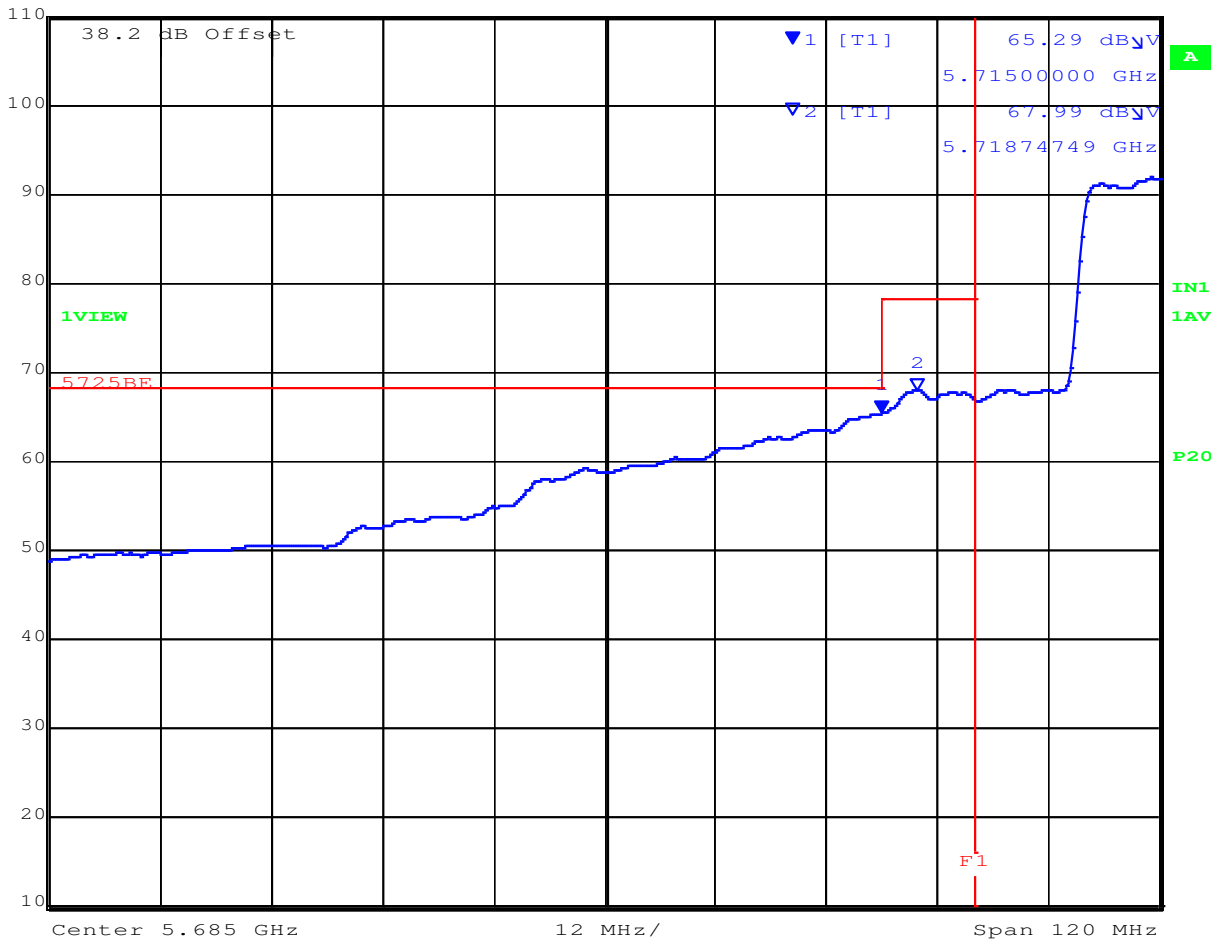
Date: 1.JAN.1997 02:13:04

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Restricted Band-Edge 5725 MHz
802.11ac-80

	Marker 1 [T1]	RBW	1 MHz	RF Att	0 dB
	Ref Lvl	65.29 dB μ V	VBW	1 MHz	
	110 dB μ V	5.7150000 GHz	SWT	10 s	Unit dB μ V



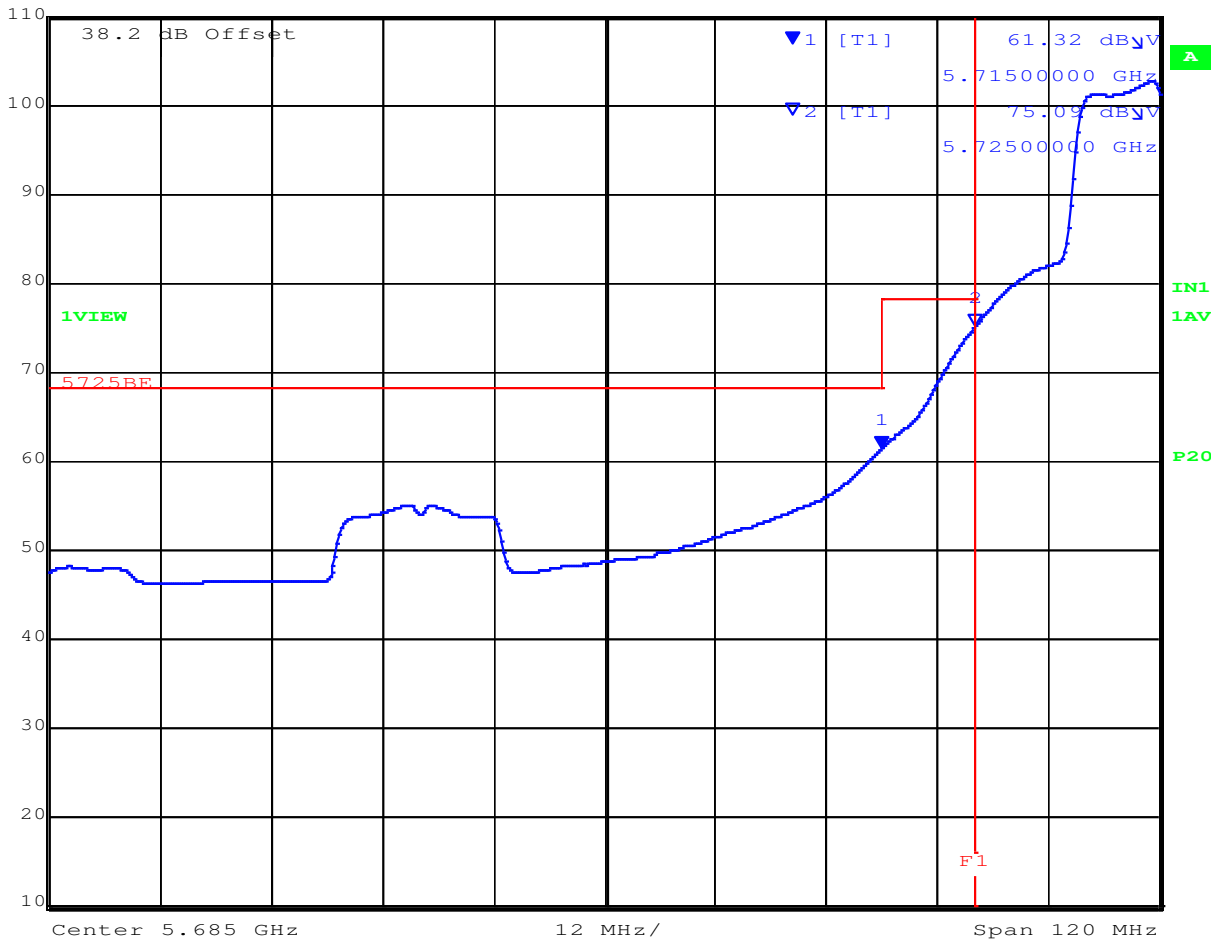
Date: 1.JAN.1997 02:03:19

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Restricted Band-Edge 5725 MHz
802.11HT-20

	Marker 1 [T1]	RBW	1 MHz	RF Att	0 dB
	Ref Lvl	61.32 dB μ V	VBW	1 MHz	
	110 dB μ V	5.7150000 GHz	SWT	10 s	Unit



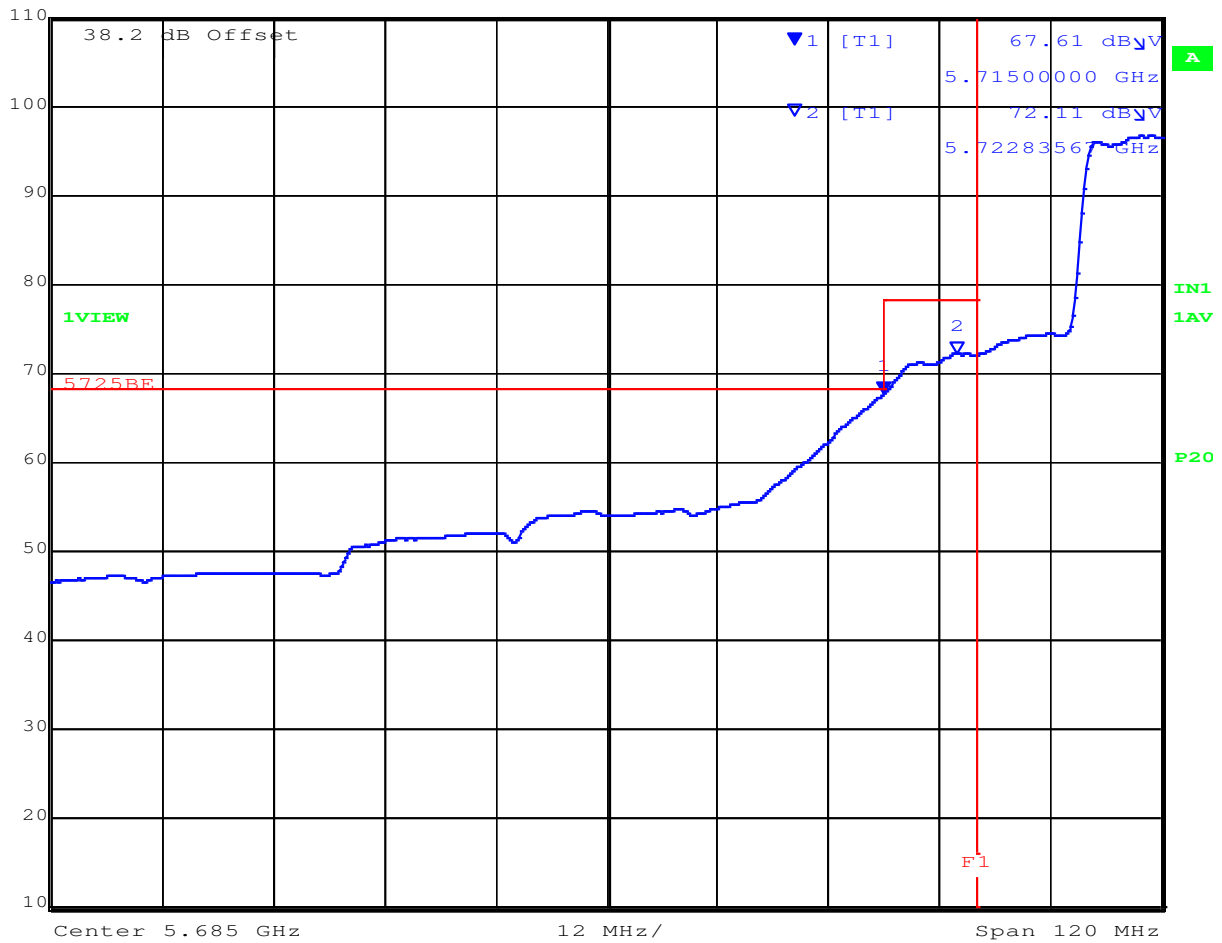
Date: 1.JAN.1997 02:11:15

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Restricted Band-Edge 5725 MHz
802.11HT-40

Marker 1 [T1] RBW 1 MHz RF Att 0 dB
Ref Lvl 67.61 dB μ V VBW 1 MHz
110 dB μ V 5.7150000 GHz SWT 10 s Unit dB μ V



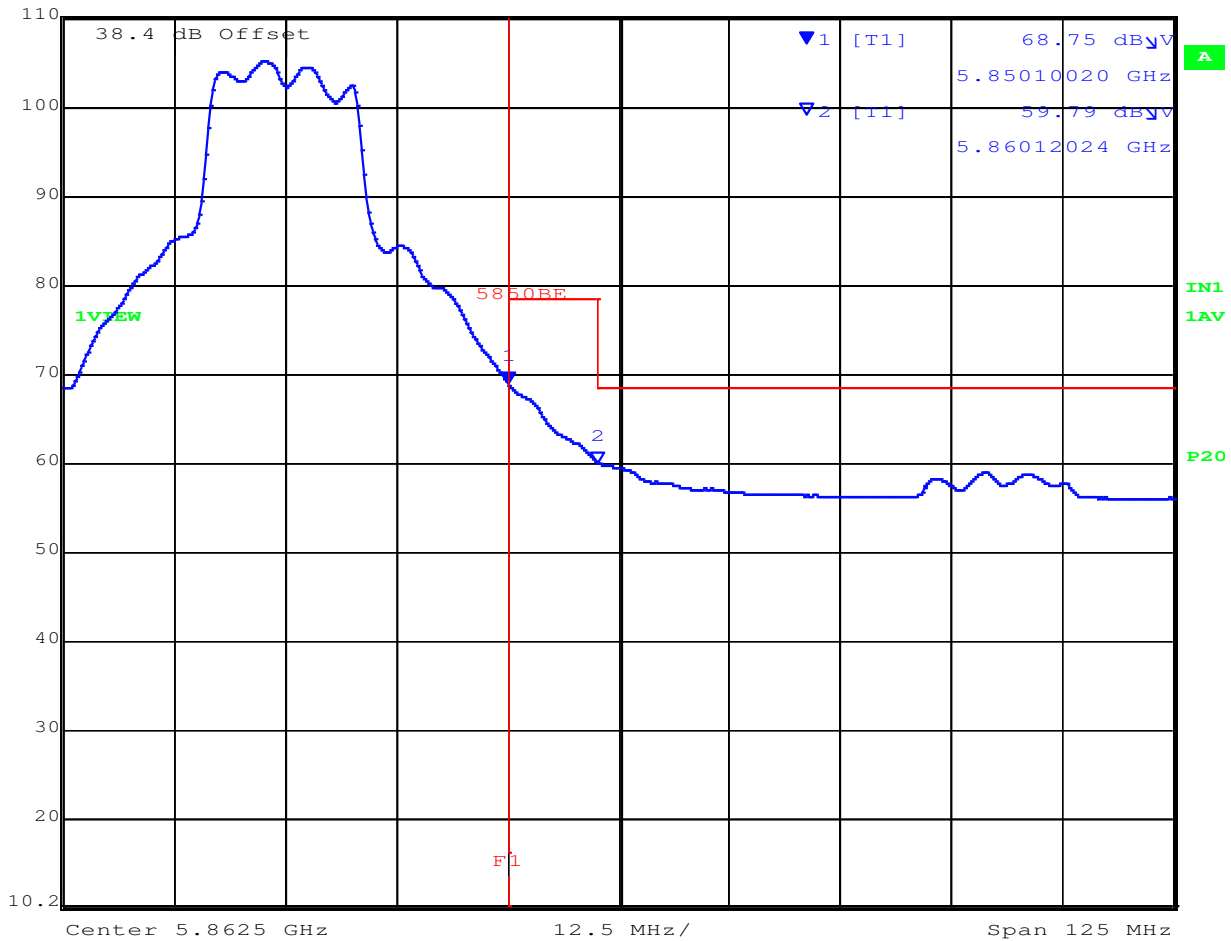
Date: 1.JAN.1997 02:07:29

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Restricted Band-Edge 5850 MHz
802.11a

	Marker 1 [T1]	RBW	1 MHz	RF Att	10 dB
	Ref Lvl	68.75 dB μ V	VBW	3 MHz	
	110.2 dB μ V	5.85010020 GHz	SWT	10 s	Unit dB μ V



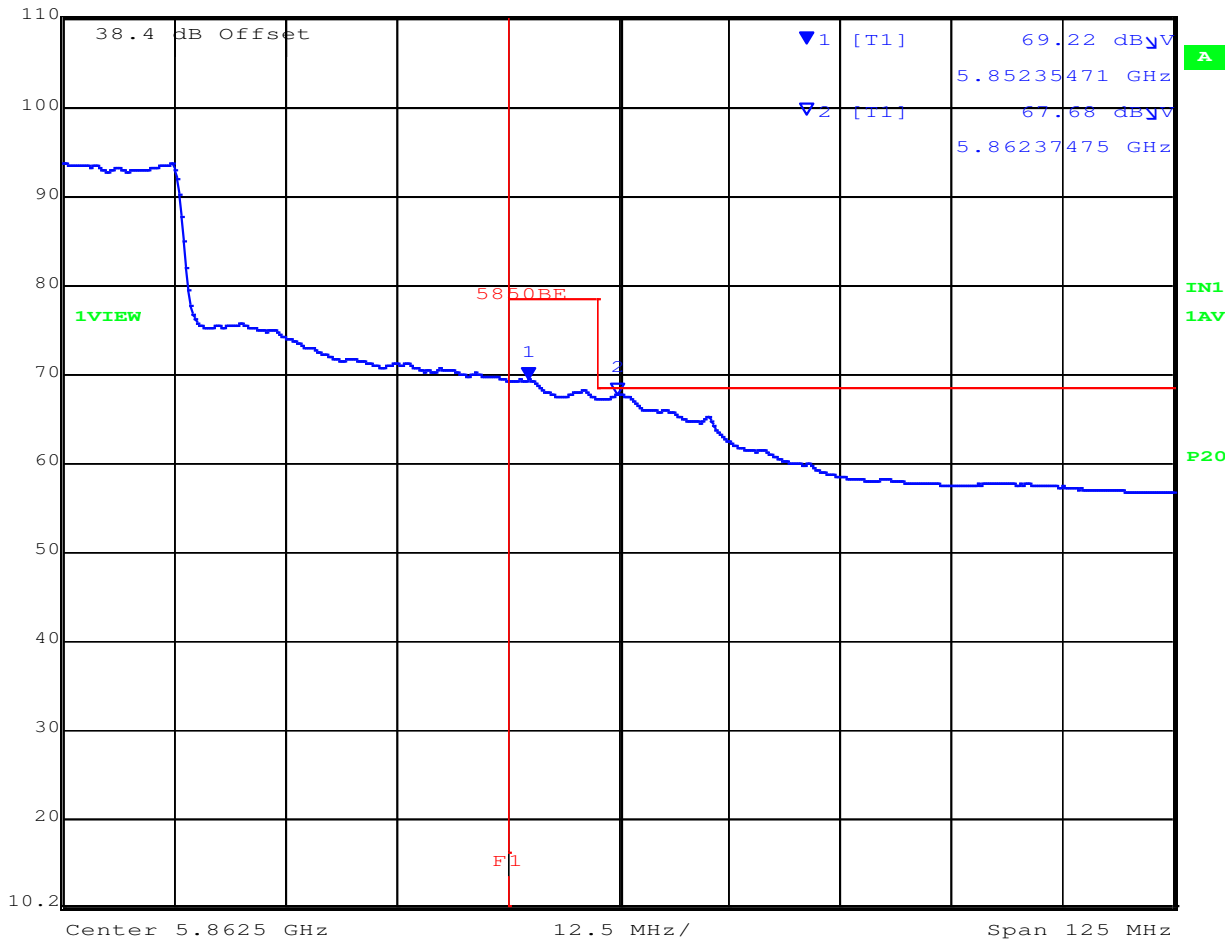
Date: 1.JAN.1997 02:19:59

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Restricted Band-Edge 5850 MHz
802.11ac-80

	Marker 1 [T1]	RBW	1 MHz	RF Att	10 dB
	Ref Lvl	69.22 dB μ V	VBW	3 MHz	
	110.2 dB μ V	5.85235471 GHz	SWT	10 s	Unit dB μ V



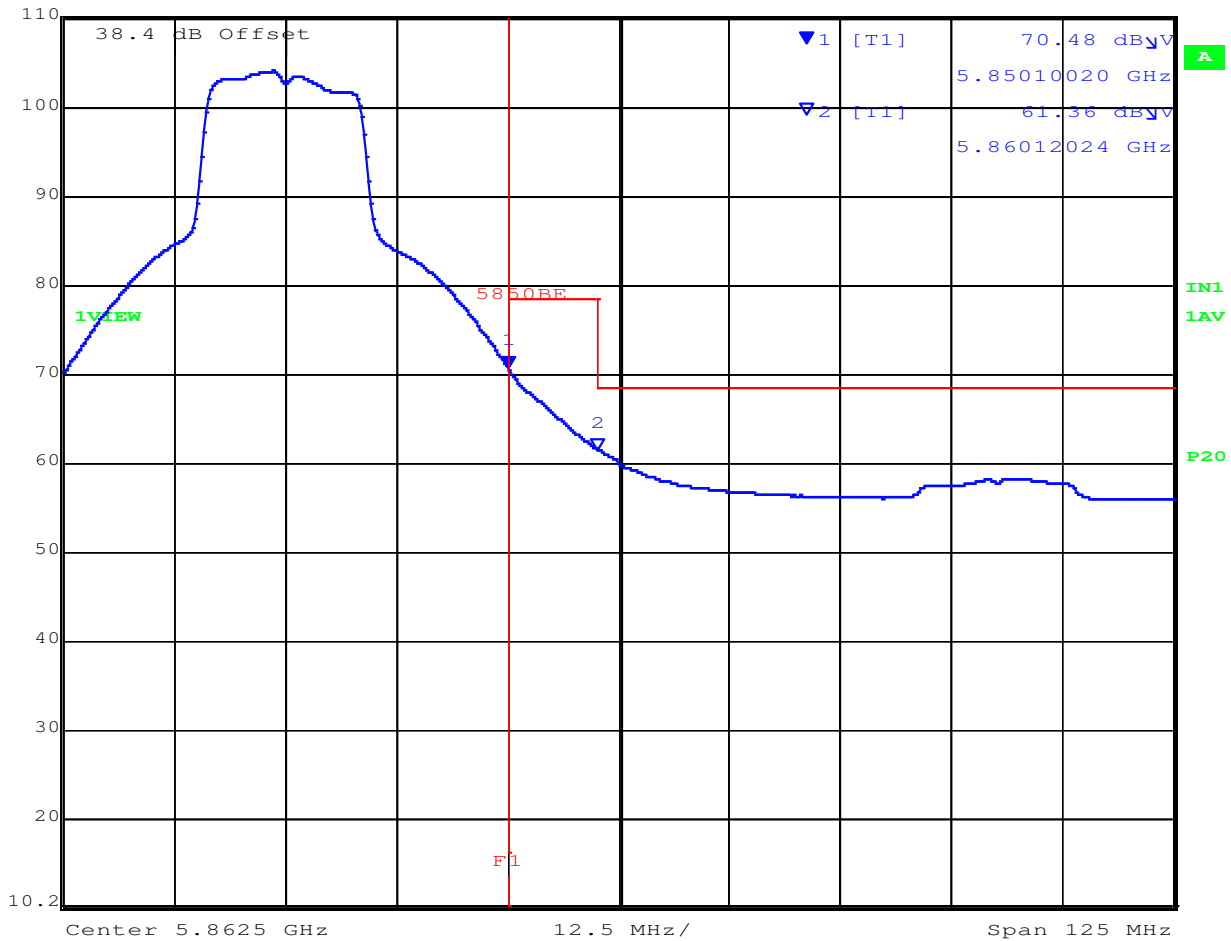
Date: 1.JAN.1997 02:36:10

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Restricted Band-Edge 5850 MHz
802.11HT-20

	Marker 1 [T1]	RBW	1 MHz	RF Att	10 dB
Ref Lvl	70.48 dB μ V	VBW	3 MHz		
110.2 dB μ V	5.85010020 GHz	SWT	10 s	Unit	dB μ V



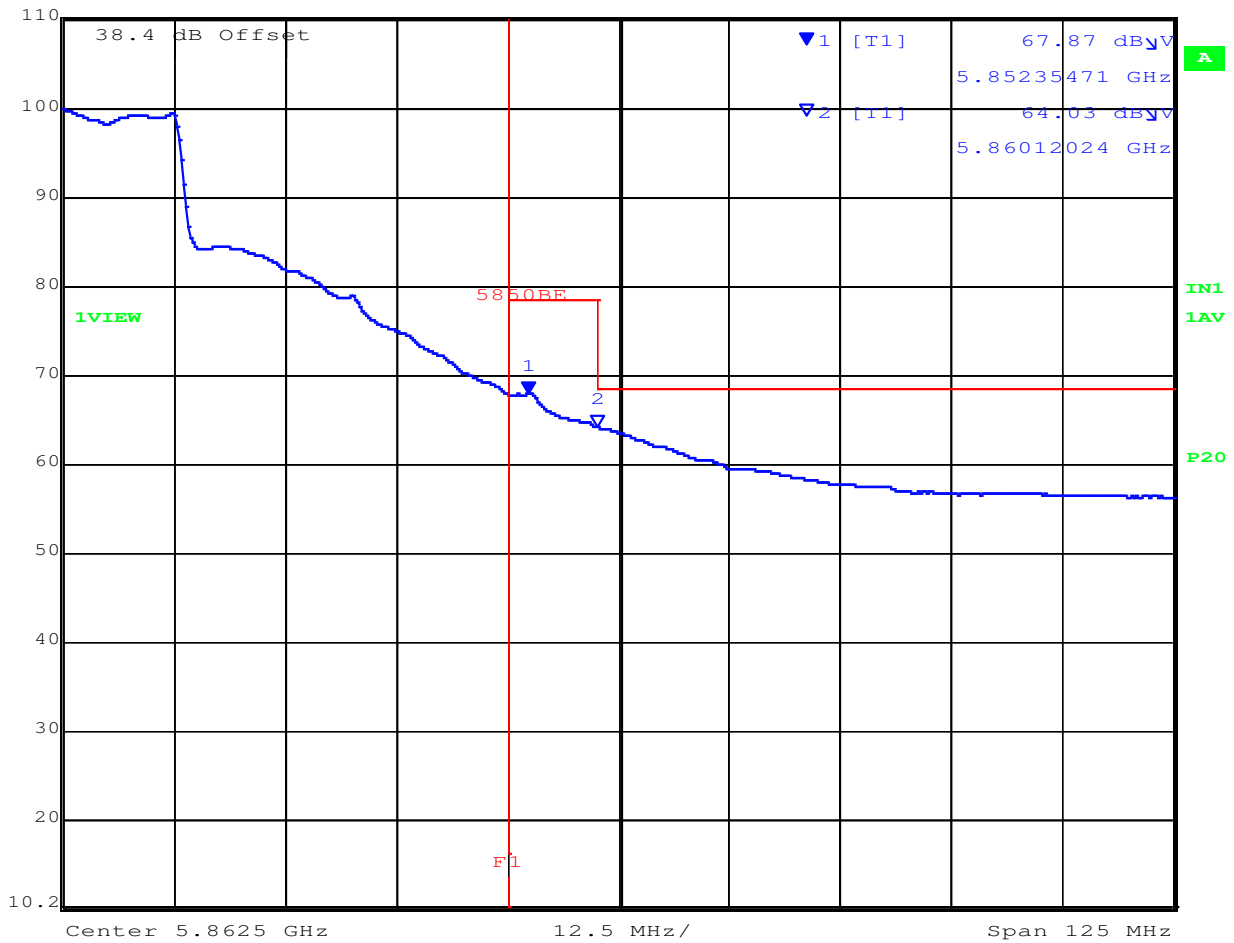
Date: 1.JAN.1997 02:27:36

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Restricted Band-Edge 5850 MHz
802.11HT-40

Marker 1 [T1] RBW 1 MHz RF Att 10 dB
Ref Lvl 67.87 dBμV VBW 3 MHz
110.2 dBμV 5.85235471 GHz SWT 10 s Unit dBμV



Date: 1.JAN.1997 02:30:49

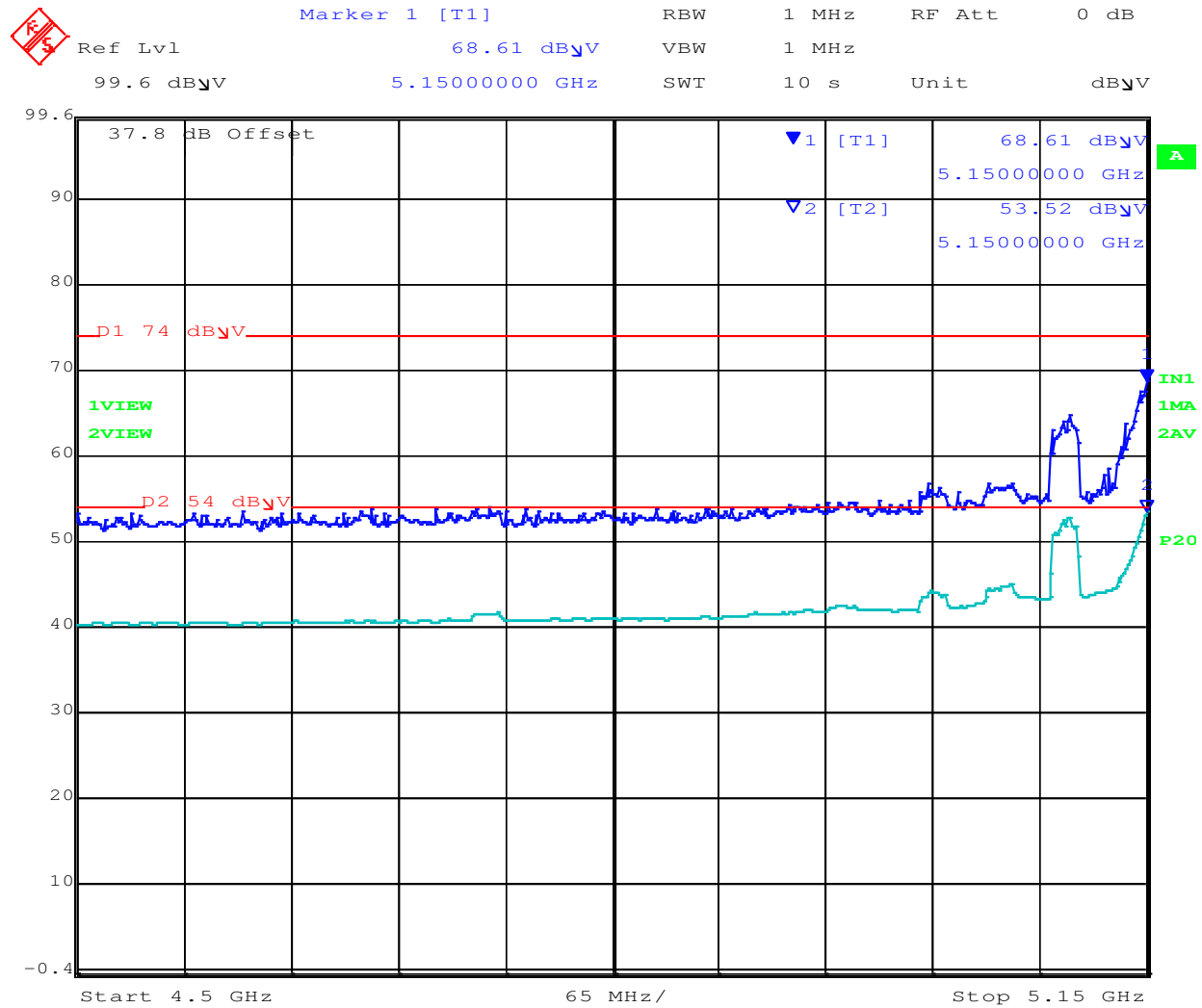
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A.4.2 AP-ANT-13B

Restricted Band-Edge 5150 MHz

802.11a

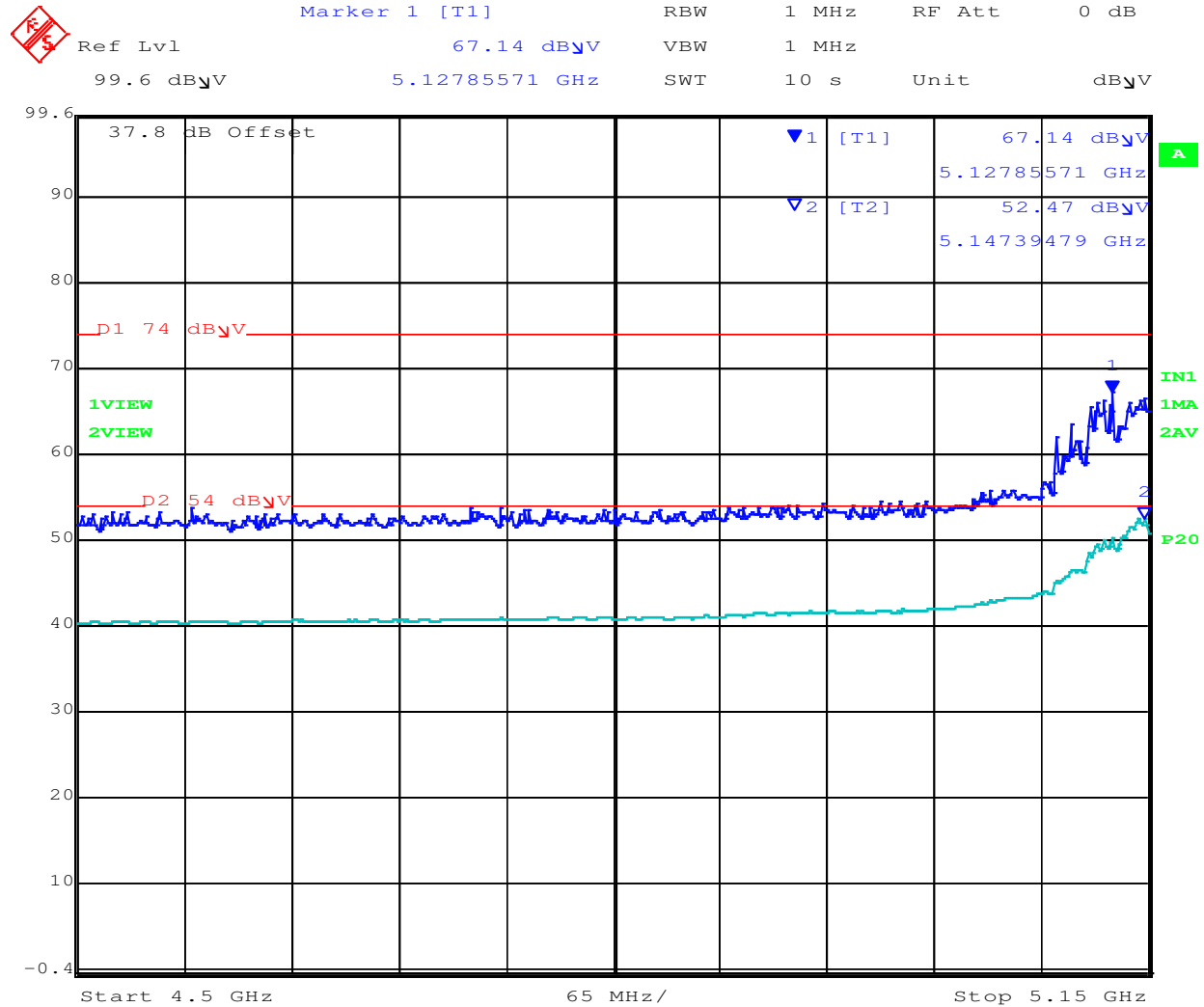


Date: 15.DEC.2015 17:12:12

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Restricted Band-Edge 5150 MHz
802.11ac-80

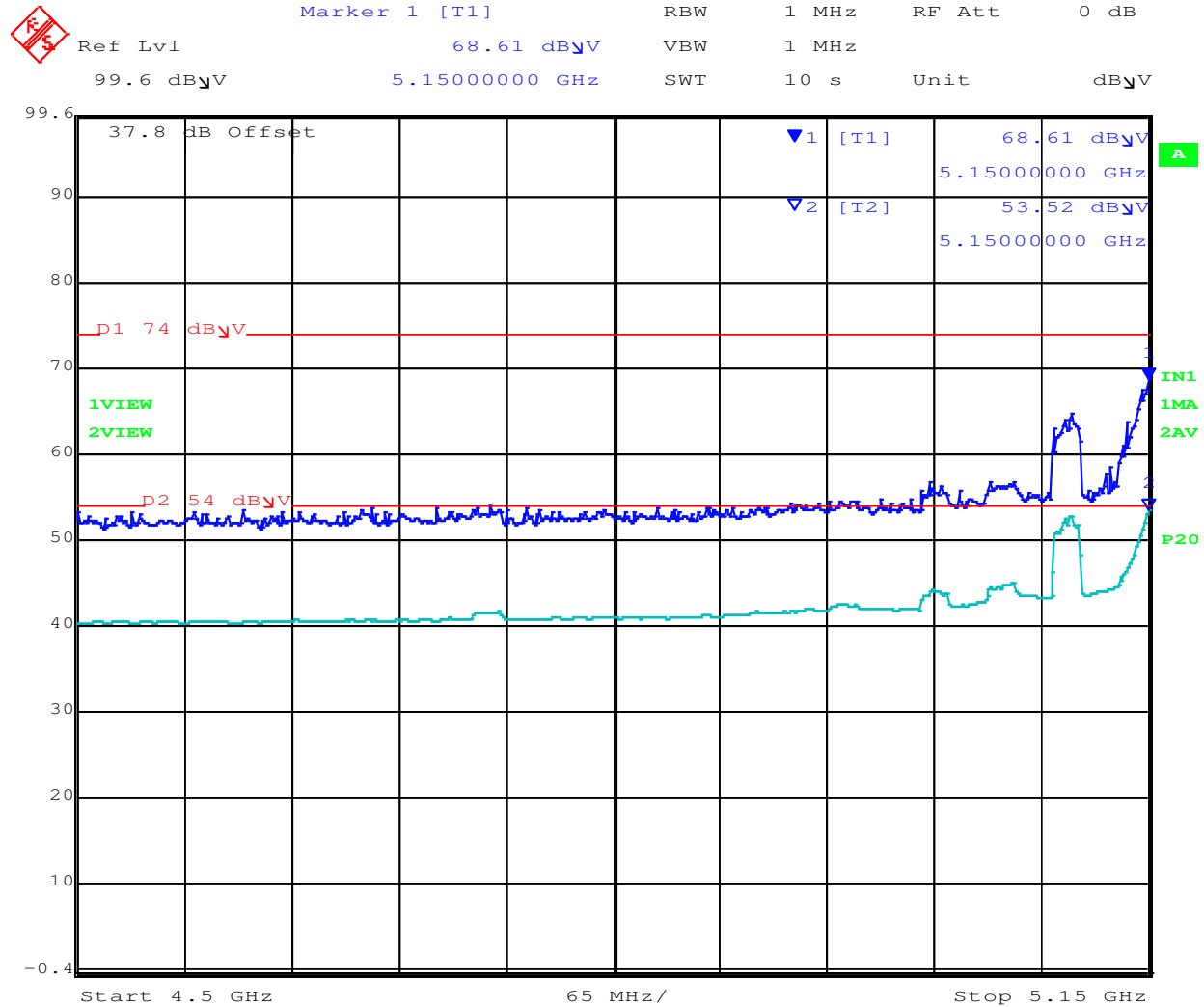


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Restricted Band-Edge 5150 MHz
802.11HT-20



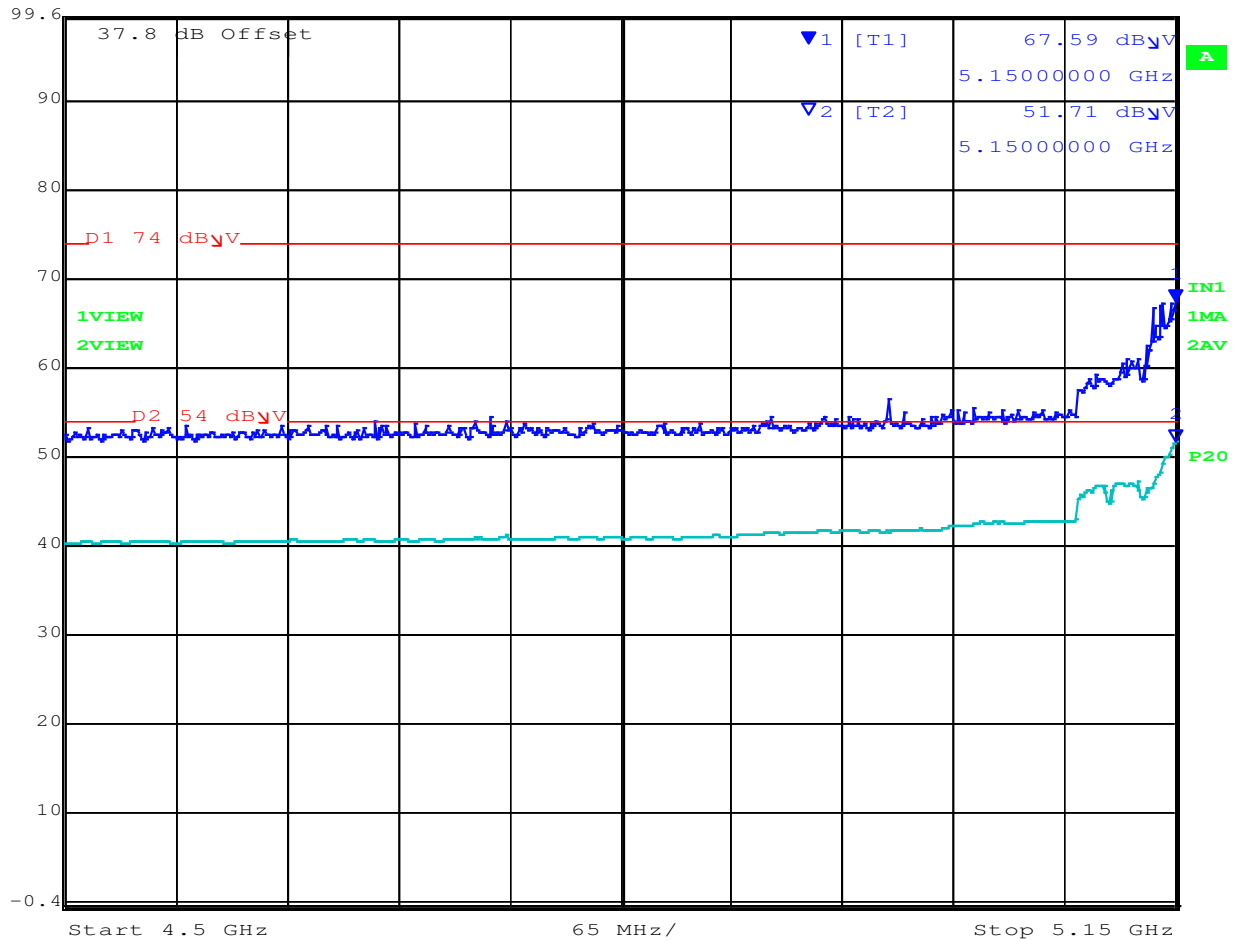
Date: 15.DEC.2015 17:12:12

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Restricted Band-Edge 5150 MHz
802.11HT-40

	Marker 1 [T1]	RBW	1 MHz	RF Att	0 dB
	Ref Lvl	67.59 dB μ V	VBW	1 MHz	
	99.6 dB μ V	5.1500000 GHz	SWT	10 s	Unit



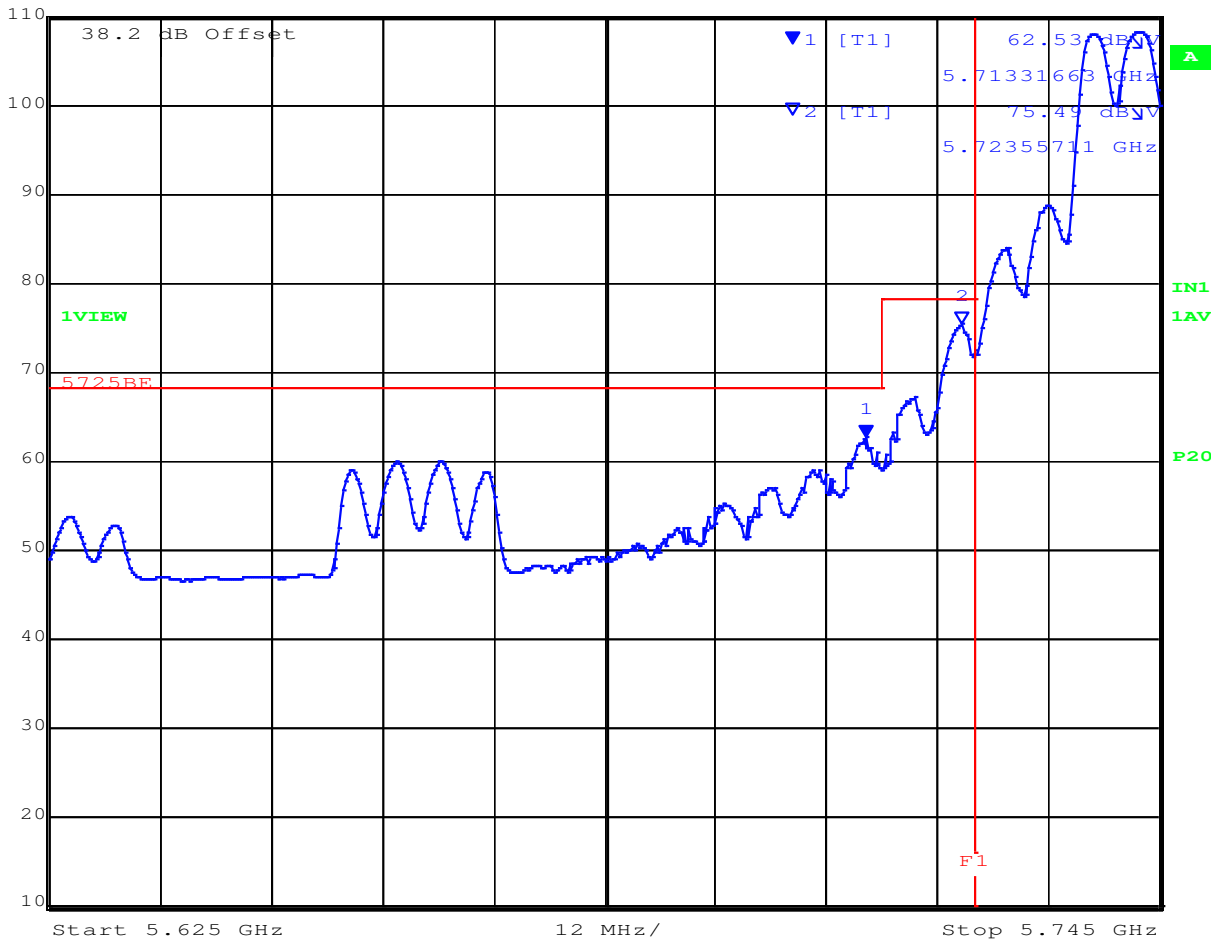
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Restricted Band-Edge 5725 MHz
802.11a

	Marker 1 [T1]	RBW	1 MHz	RF Att	0 dB
	Ref Lvl	62.53 dB μ V	VBW	3 MHz	
	110 dB μ V	5.71331663 GHz	SWT	10 s	Unit

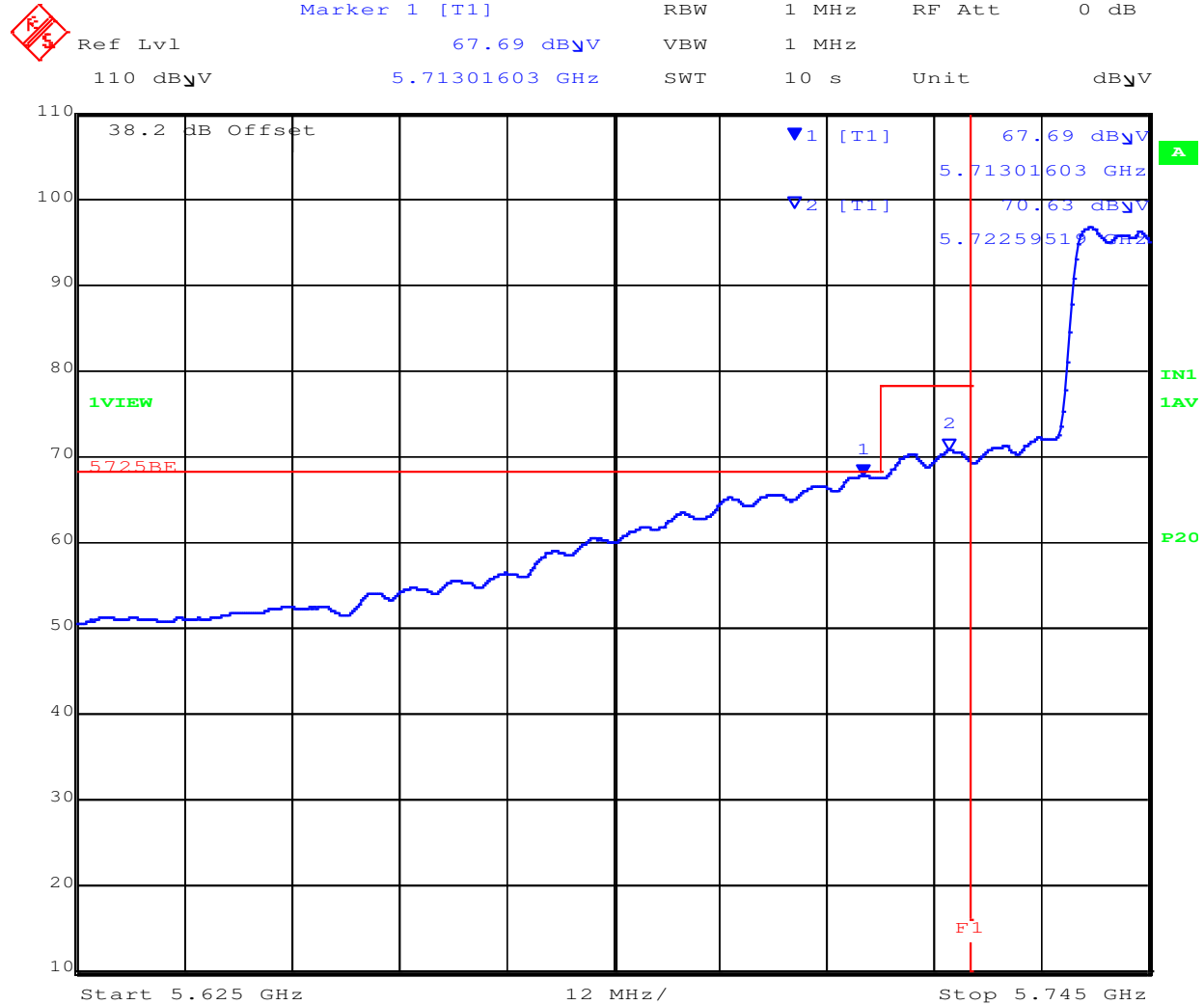


Date: 15.DEC.2015 16:41:58

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Restricted Band-Edge 5725 MHz
802.11ac-80



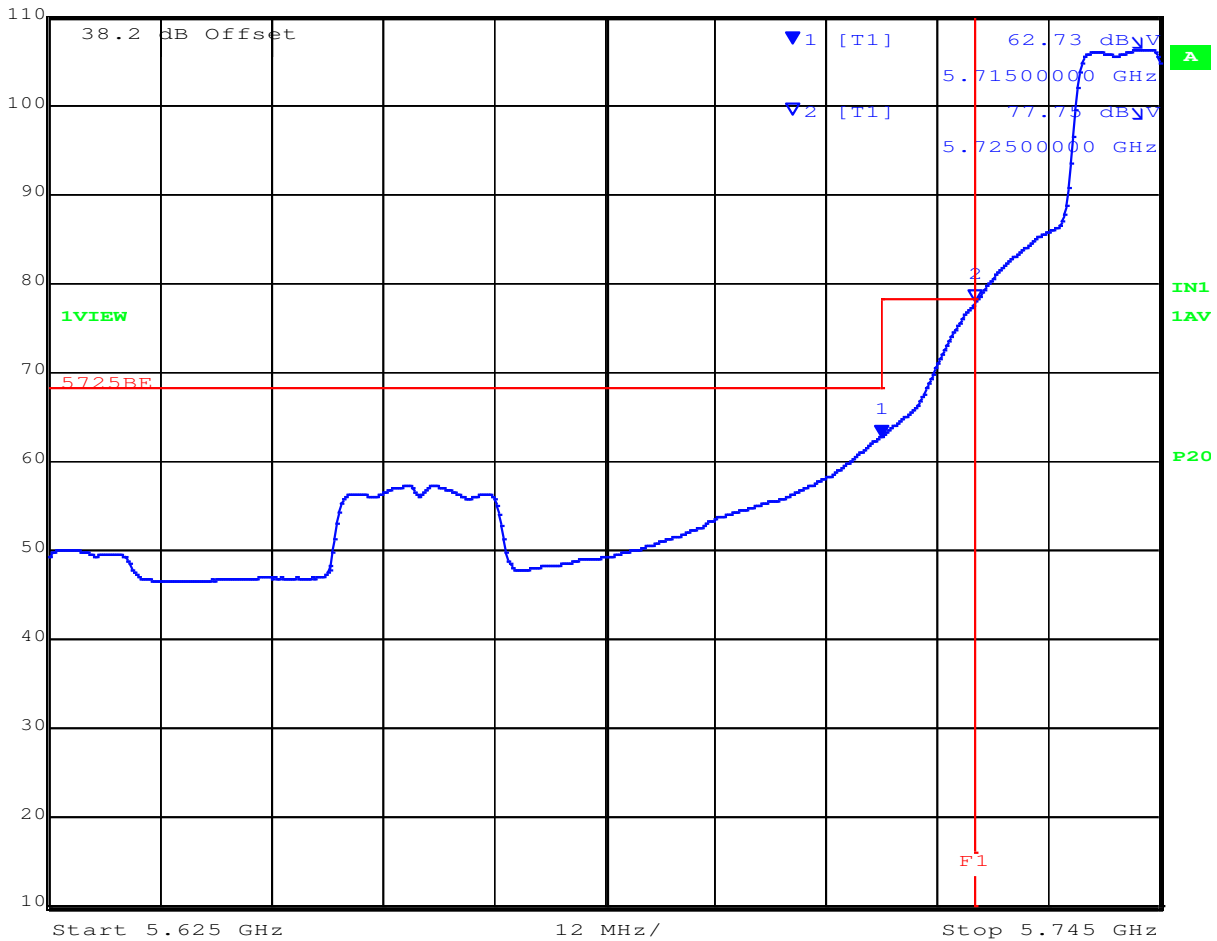
Date: 15.DEC.2015 16:25:42

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Restricted Band-Edge 5725 MHz
802.11HT-20

	Marker 1 [T1]	RBW	1 MHz	RF Att	0 dB
	Ref Lvl	62.73 dB μ V	VBW	1 MHz	
	110 dB μ V	5.7150000 GHz	SWT	10 s	Unit



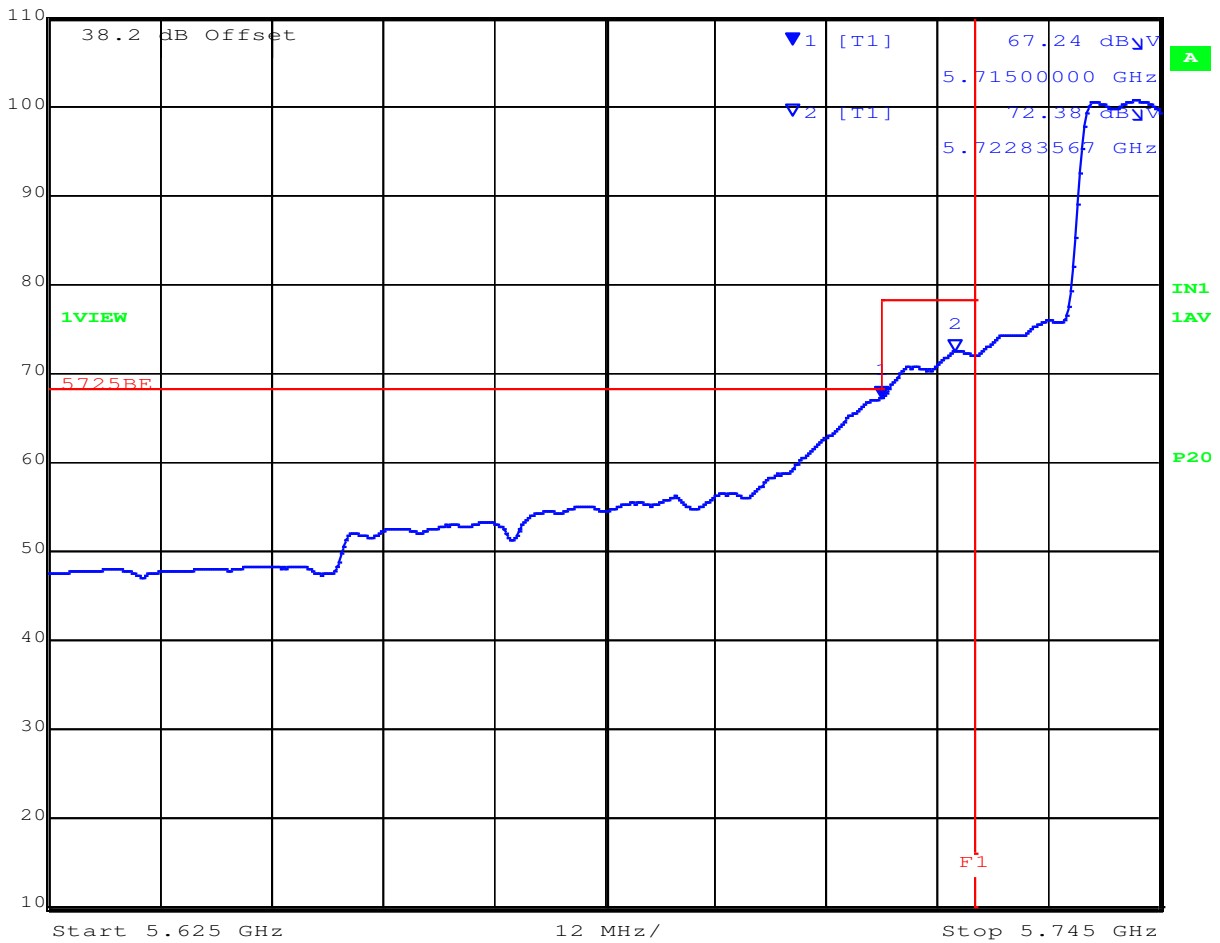
Date: 15.DEC.2015 16:37:34

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Restricted Band-Edge 5725 MHz
802.11HT-40

	Marker 1 [T1]	RBW	1 MHz	RF Att	0 dB
Ref Lvl	67.24 dB μ V	VBW	1 MHz		
110 dB μ V	5.7150000 GHz	SWT	10 s	Unit	dB μ V



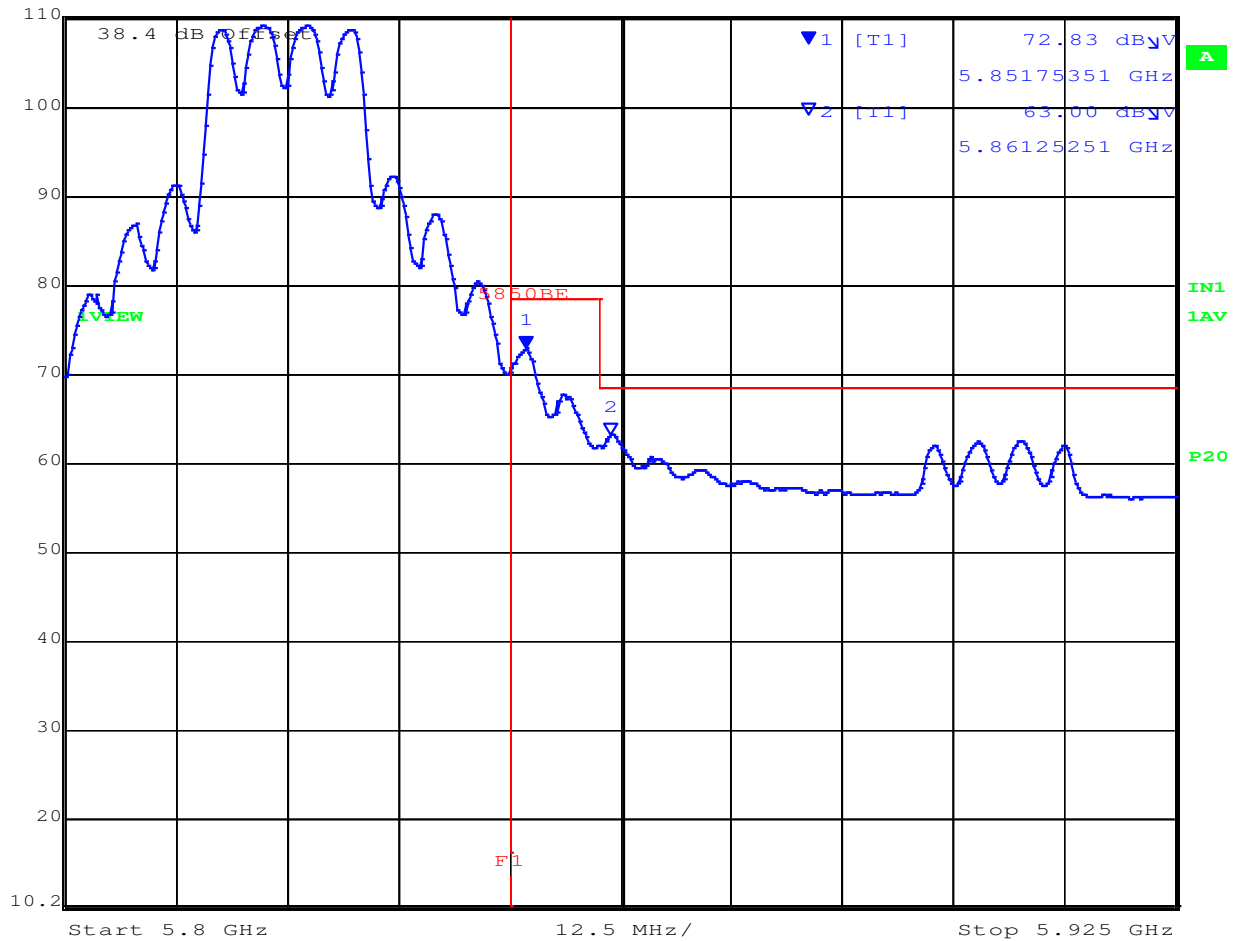
Date: 15.DEC.2015 16:33:31

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Restricted Band-Edge 5850 MHz
802.11a

	Marker 1 [T1]	RBW	1 MHz	RF Att	10 dB
	Ref Lvl	72.83 dB μ V	VBW	3 MHz	
	110.2 dB μ V	5.85175351 GHz	SWT	10 s	Unit dB μ V




Date: 15.DEC.2015 17:36:24

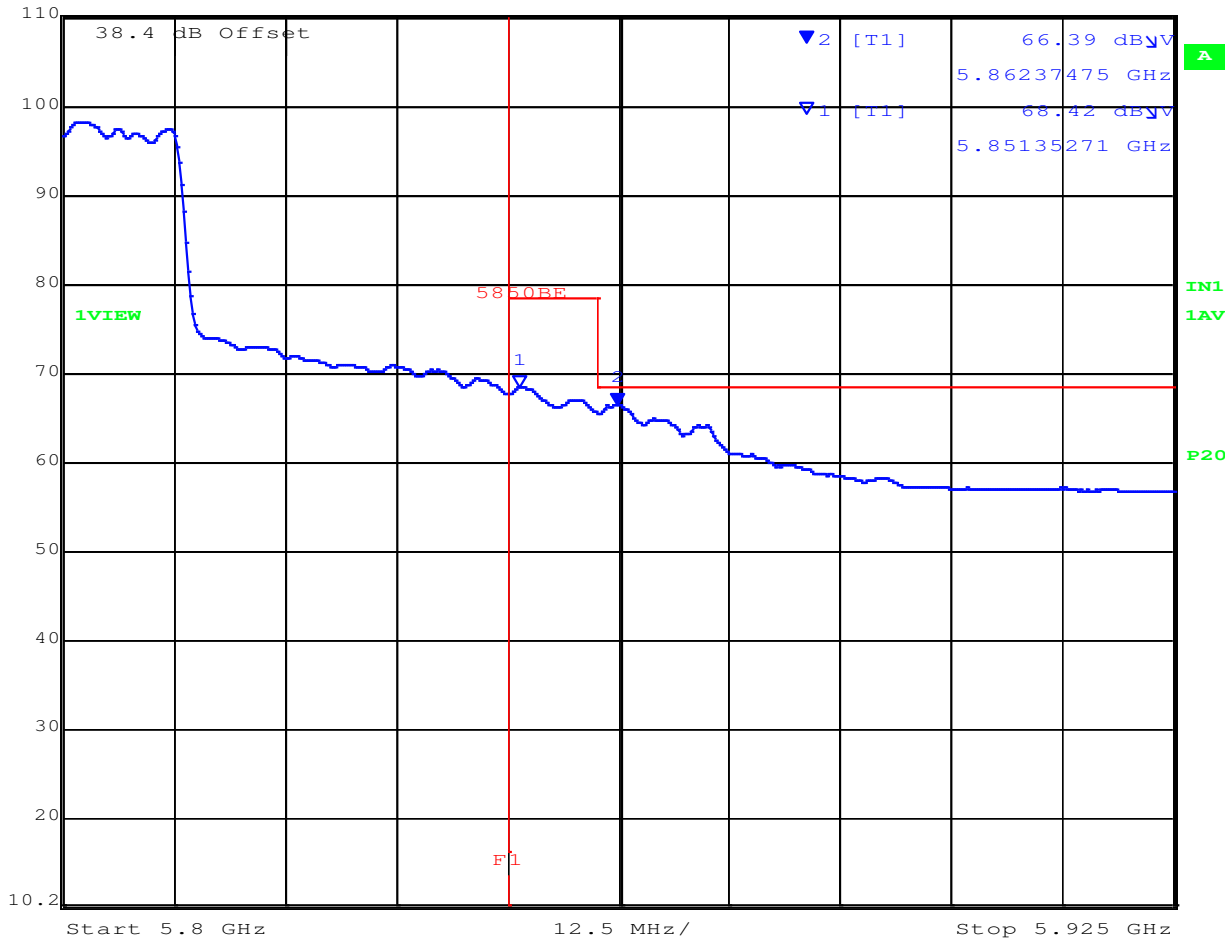
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Restricted Band-Edge 5850 MHz

802.11ac-80

 Marker 2 [T1] RBW 1 MHz RF Att 10 dB
Ref Lvl 66.39 dBμV VBW 3 MHz
110.2 dBμV 5.86237475 GHz SWT 10 s Unit dBμV

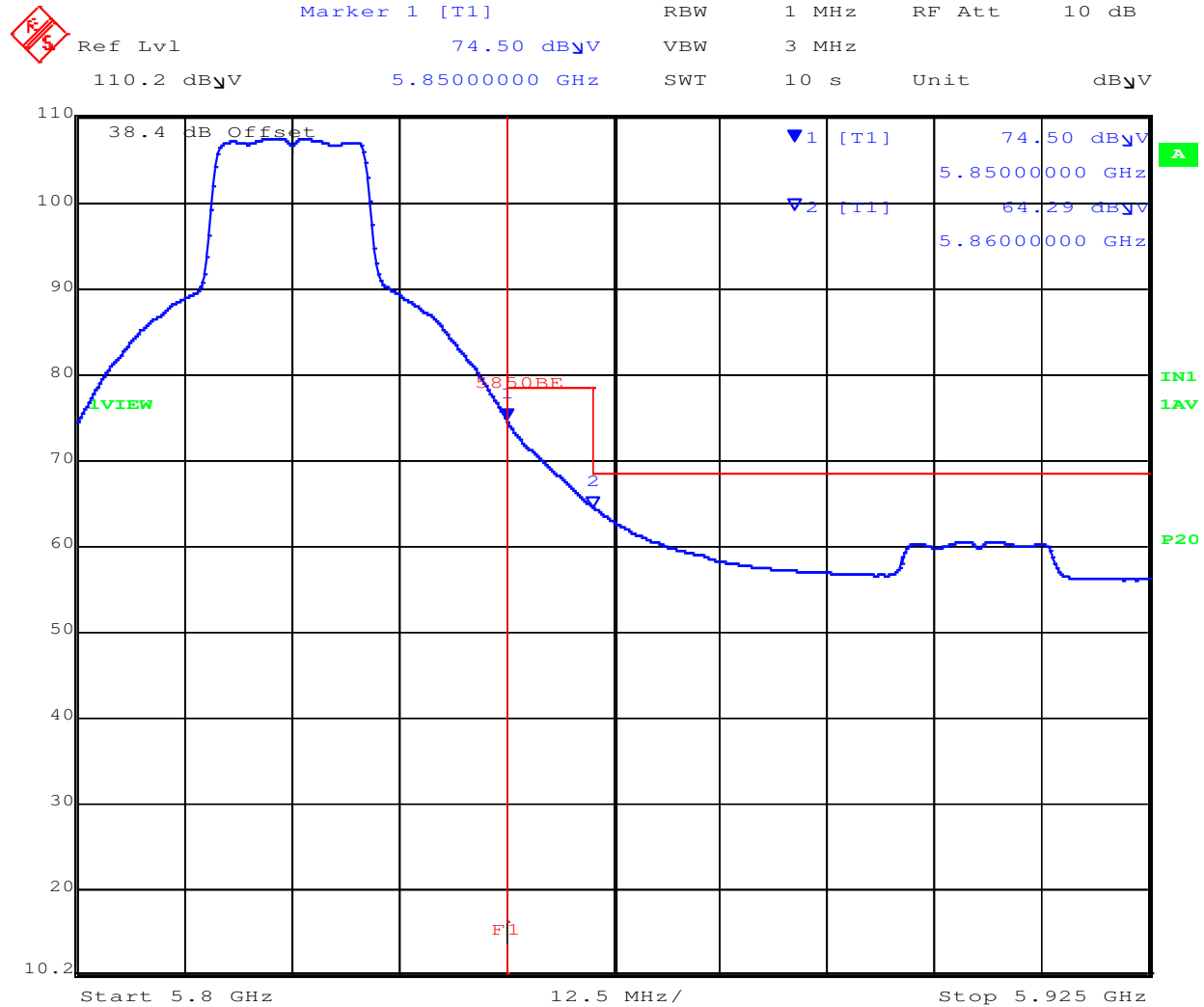


Date: 15.DEC.2015 17:29:29

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Restricted Band-Edge 5850 MHz
802.11HT-20



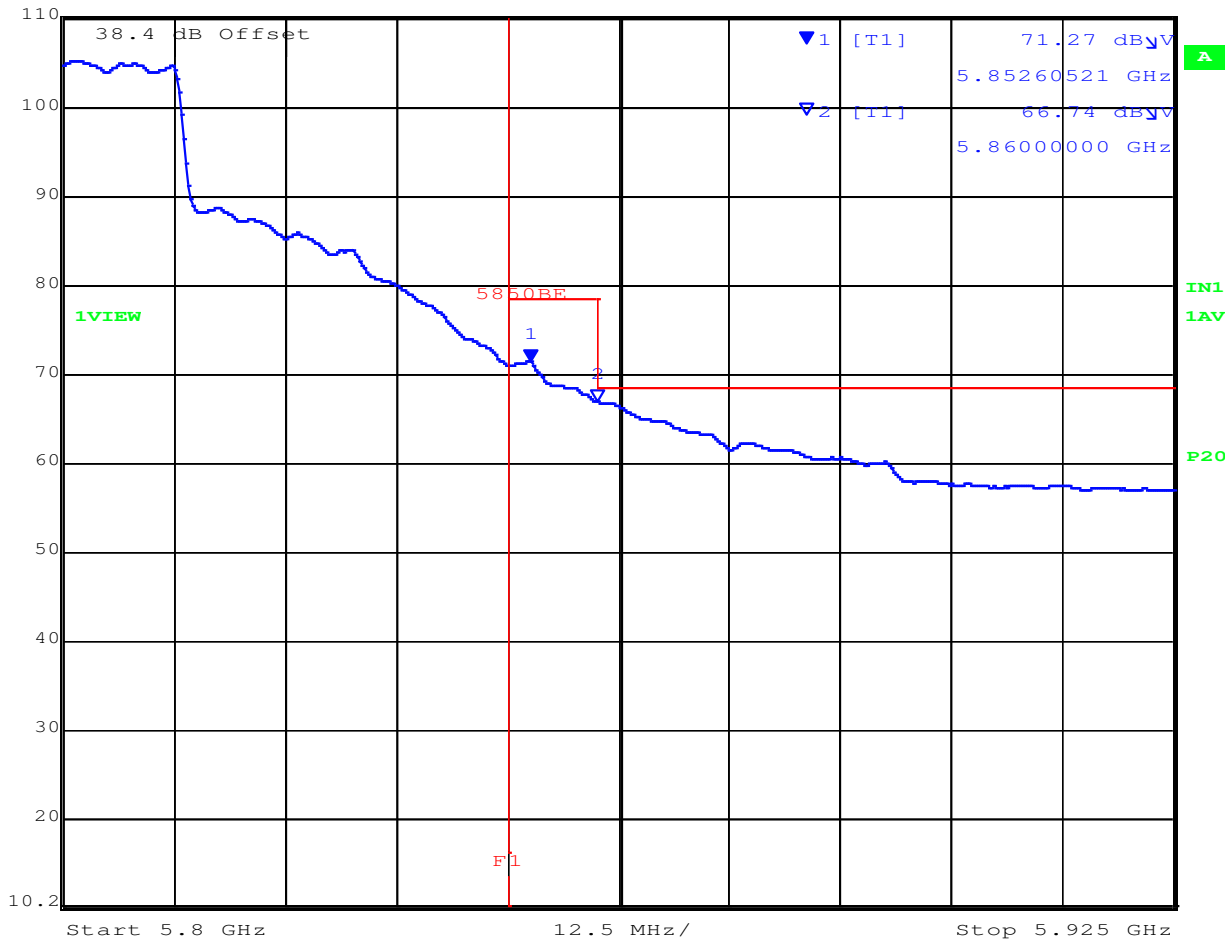
Date: 15.DEC.2015 17:37:54

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Restricted Band-Edge 5850 MHz
802.11HT-40

	Marker 1 [T1]	RBW	1 MHz	RF Att	10 dB
	Ref Lvl	71.27 dB μ V	VBW	3 MHz	
	110.2 dB μ V	5.85260521 GHz	SWT	10 s	Unit dB μ V



Date: 15.DEC.2015 17:32:22

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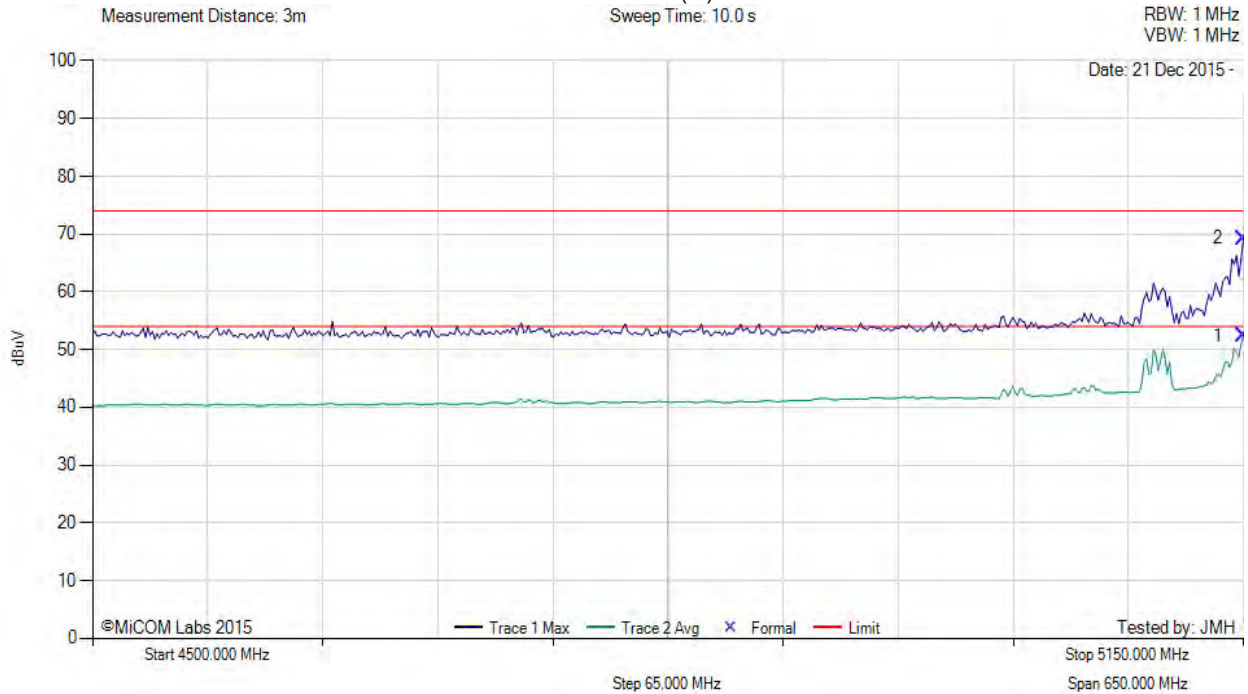


A.4.3 AP-ANT-16

RESTRICTED LOWER BAND-EDGE EMISSIONS



Variant: 802.11a, Test Freq: 5180.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 19, Duty Cycle (%): 100



Num	Frequency MHz	Raw dB μ V	Cable Loss	AF dB	Level dB μ V/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dB μ V/m	Margin dB	Pass /Fail
1	5150.00	14.62	3.67	34.11	52.40	Max Avg	Horizontal	143	18	54.0	-1.6	Pass
2	5150.00	31.46	3.67	34.11	69.24	Max Peak	Horizontal	143	18	74.0	-4.8	Pass

[back to matrix](#)

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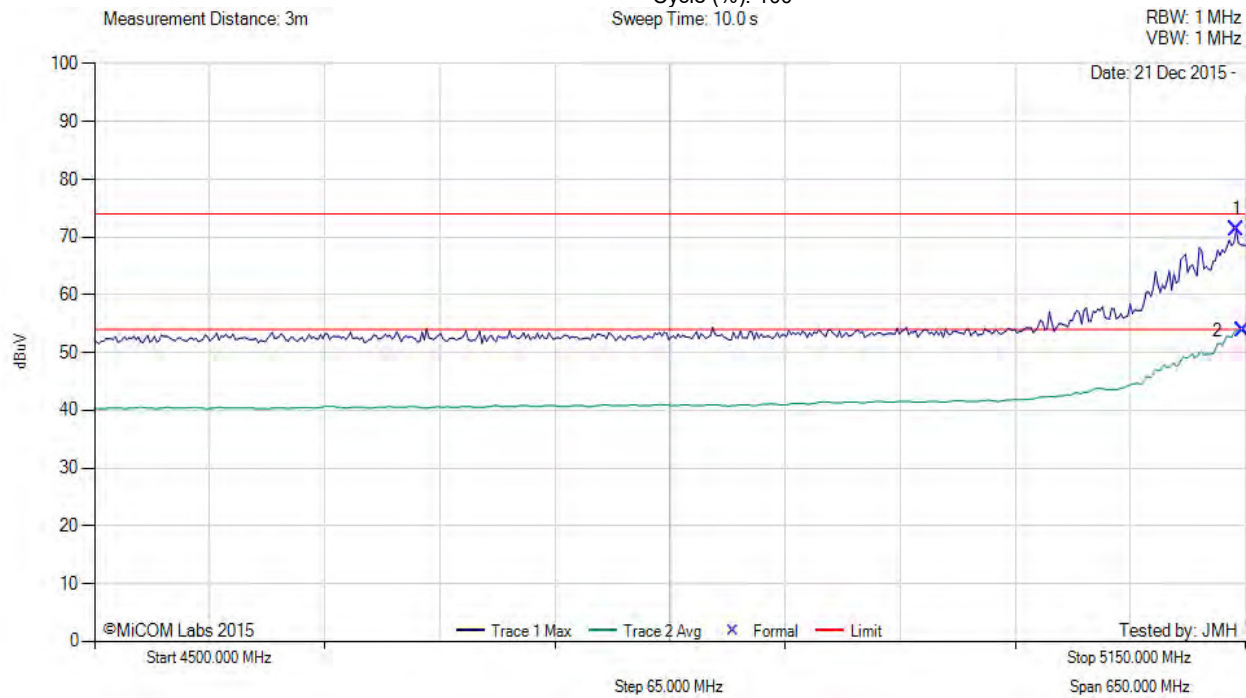


Title: Aruba Networks APIN0204, APIN0205
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RESTRICTED LOWER BAND-EDGE EMISSIONS



Variant: 802.11ac-80, Test Freq: 5210.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 15.5, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5144.79	33.44	3.69	34.11	71.24	Max Peak	Horizontal	143	18	74.0	-2.8	Pass
2	5148.70	16.11	3.67	34.11	53.89	Max Avg	Horizontal	143	18	54.0	-0.1	Pass

[back to matrix](#)

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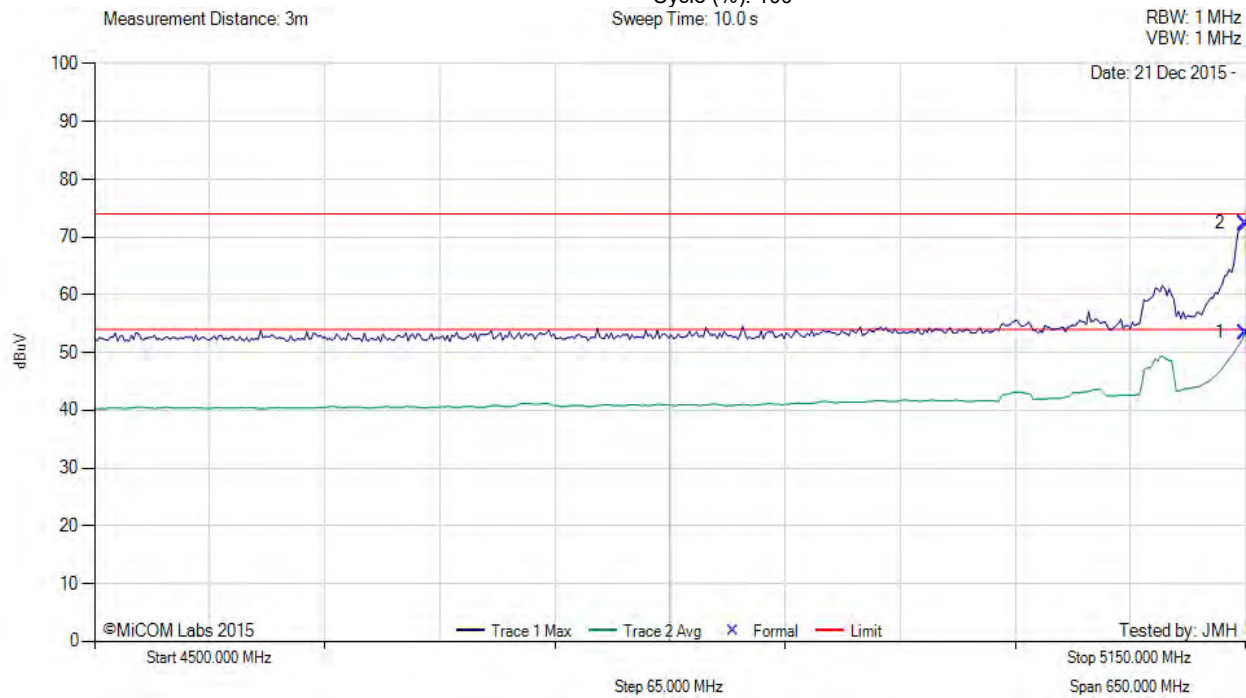


Title: Aruba Networks APIN0204, APIN0205
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RESTRICTED LOWER BAND-EDGE EMISSIONS



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



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5150.00	15.65	3.67	34.11	53.43	Max Avg	Horizontal	143	18	54.0	-0.6	Pass
2	5150.00	34.59	3.67	34.11	72.37	Max Peak	Horizontal	143	18	74.0	-1.6	Pass

[back to matrix](#)

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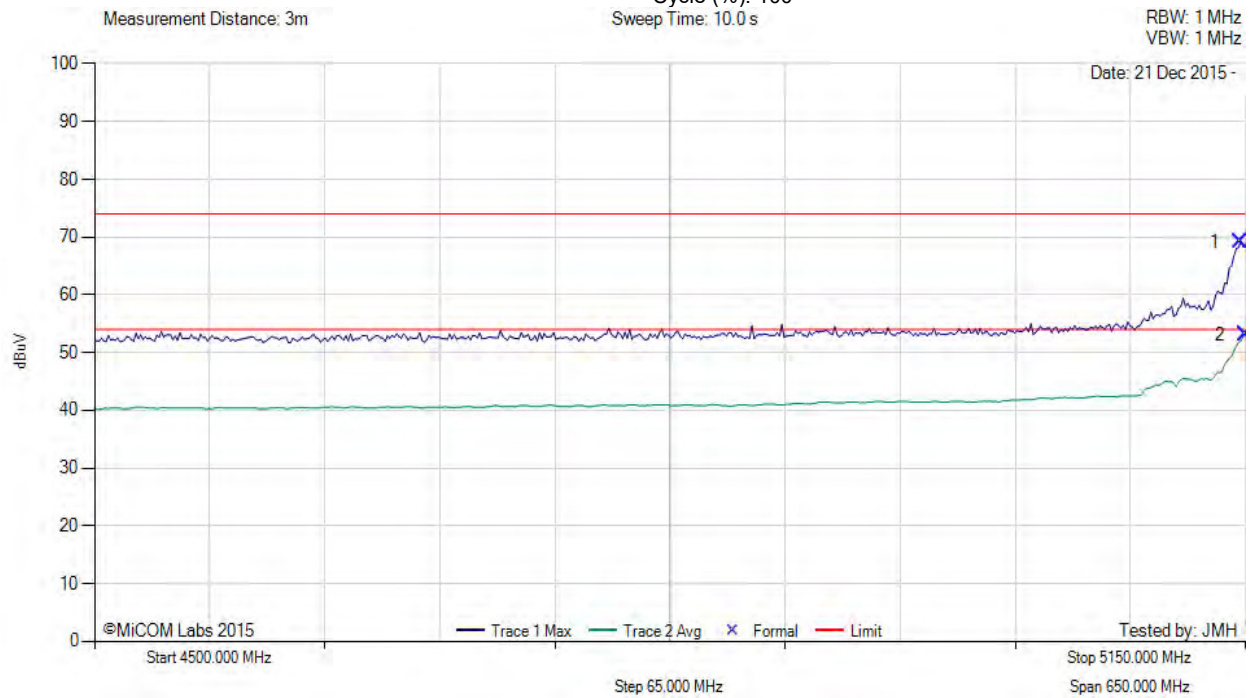


Title: Aruba Networks APIN0204, APIN0205
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RESTRICTED LOWER BAND-EDGE EMISSIONS



Variant: 802.11n HT-40, Test Freq: 5190.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 15.5, Duty Cycle (%): 100



Num	Frequency MHz	Raw dB μ V	Cable Loss	AF dB	Level dB μ V/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dB μ V/m	Margin dB	Pass /Fail
1	5147.39	31.42	3.68	34.11	69.21	Max Peak	Horizontal	143	18	74.0	-4.8	Pass
2	5150.00	15.38	3.67	34.11	53.16	Max Avg	Horizontal	143	18	54.0	-0.8	Pass

[back to matrix](#)

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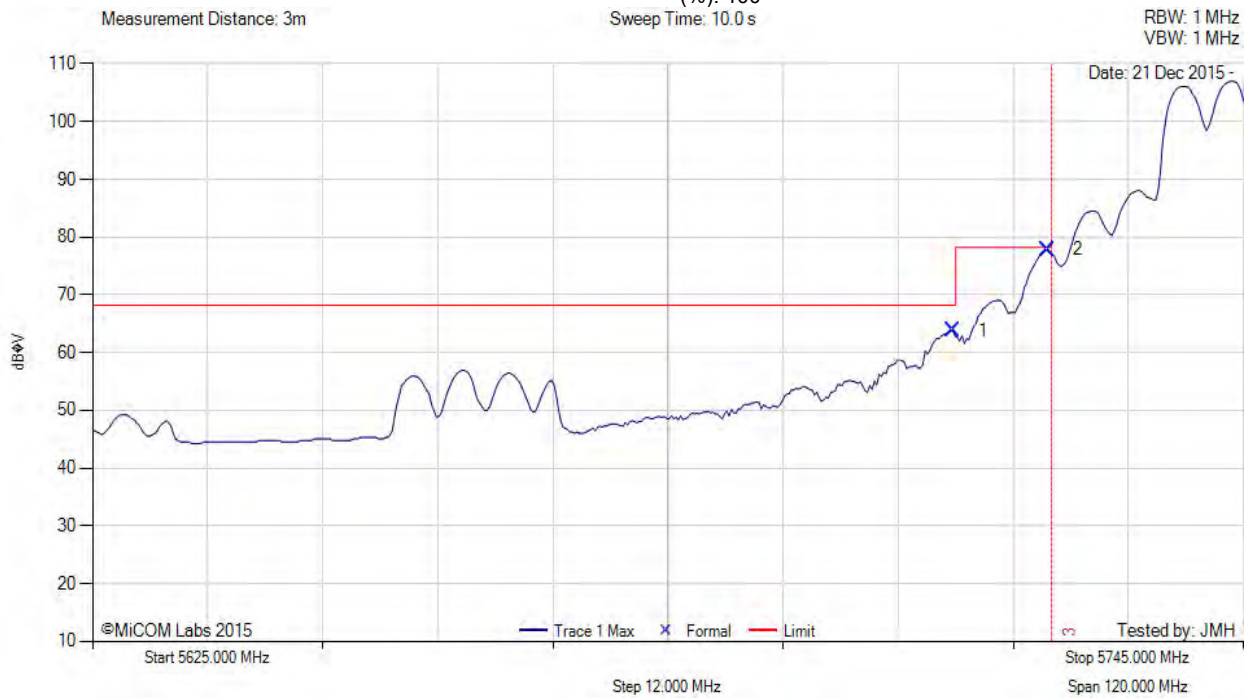


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5725 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 802.11a, Test Freq: 5745.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 21, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5714.70	25.62	3.81	34.34	63.77	Marker	Horizontal	197	302	68.2	-4.5	Pass
2	5724.56	39.65	3.79	34.35	77.79	Marker	Horizontal	197	302	78.2	-0.4	Pass
3	5725.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	

[back to matrix](#)

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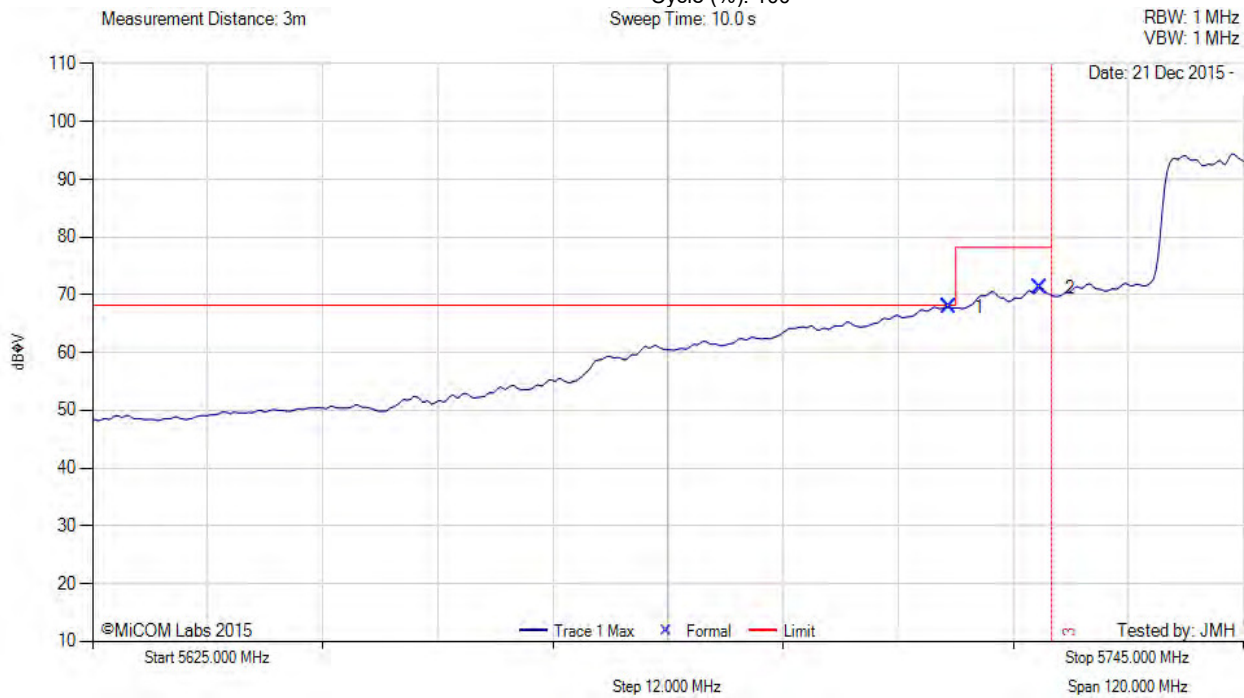


Title: Aruba Networks APIN0204, APIN0205
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5725 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 18, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5714.28	29.70	3.82	34.34	67.86	Marker	Horizontal	197	302	68.2	-0.4	Pass
2	5723.80	33.15	3.79	34.35	71.29	Marker	Horizontal	197	302	78.2	-6.9	Pass
3	5725.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	

[back to matrix](#)

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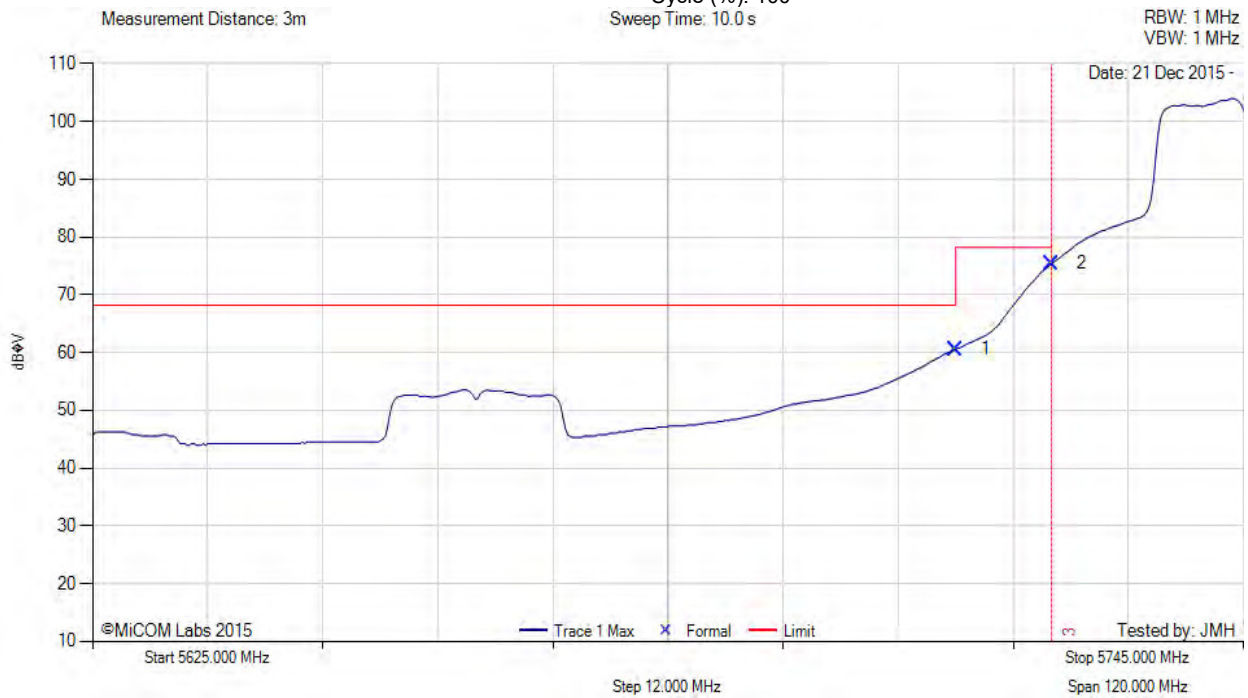


Title: Aruba Networks APIN0204, APIN0205
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5725 MHz RADIATED BAND-EDGE EMISSIONS



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



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5715.00	22.39	3.81	34.34	60.54	Marker	Horizontal	197	302	68.2	-7.7	Pass
2	5725.00	37.32	3.79	34.35	75.46	Marker	Horizontal	197	302	78.2	-2.8	Pass
3	5725.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	

[back to matrix](#)

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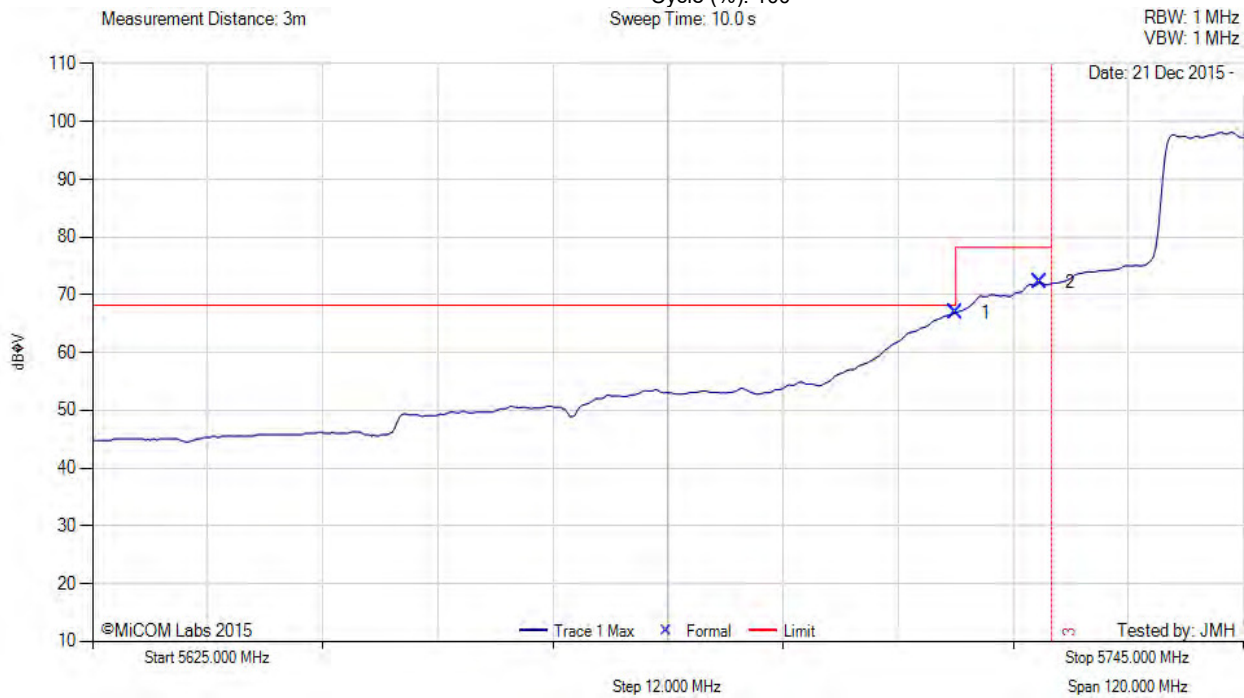


Title: Aruba Networks APIN0204, APIN0205
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5725 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 802.11n HT-40, Test Freq: 5755.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 18, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5715.00	28.73	3.81	34.34	66.88	Marker	Horizontal	197	302	68.2	-1.4	Pass
2	5723.80	33.99	3.79	34.35	72.13	Marker	Horizontal	197	302	78.2	-6.1	Pass
3	5725.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	

[back to matrix](#)

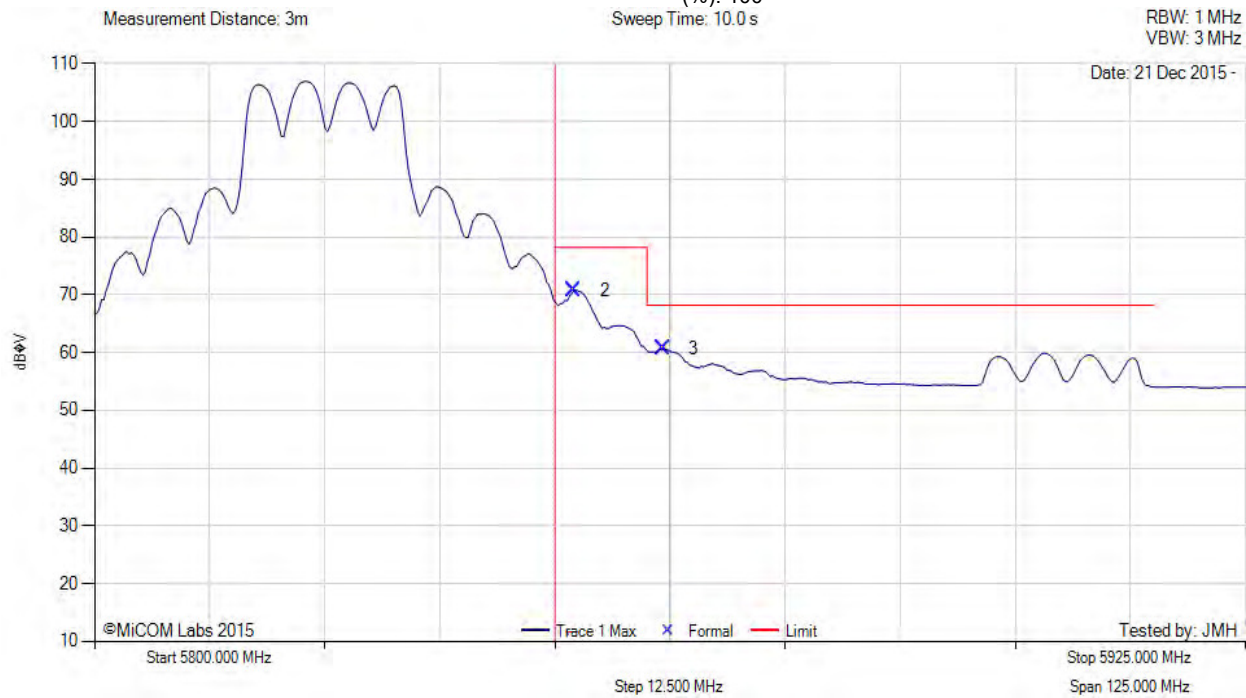
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5850 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 21, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	
2	5852.10	32.35	3.82	34.63	70.80	Marker	Horizontal	184	53	78.2	-7.4	Pass
3	5861.75	22.23	3.85	34.66	60.74	Marker	Horizontal	184	53	68.2	-7.5	Pass

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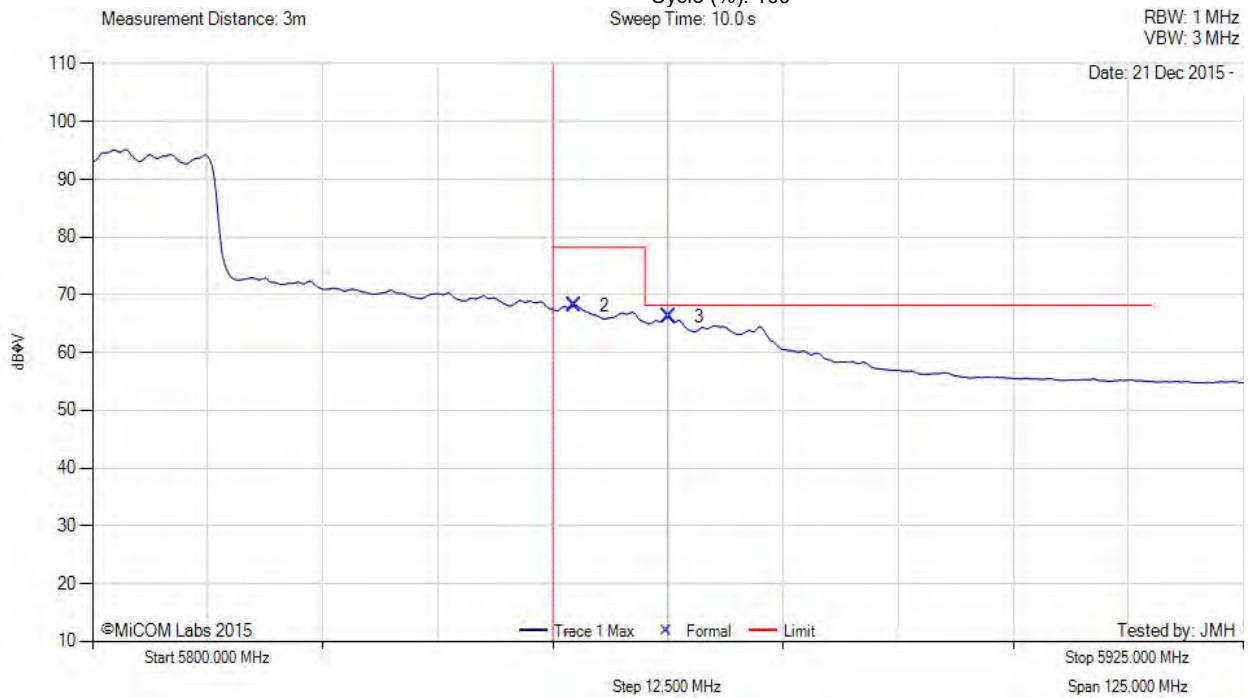


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5850 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 18, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	
2	5852.35	29.74	3.82	34.63	68.19	Marker	Horizontal	184	53	78.2	-10.0	Pass
3	5862.63	27.63	3.85	34.66	66.14	Marker	Horizontal	184	53	68.2	-2.1	Pass

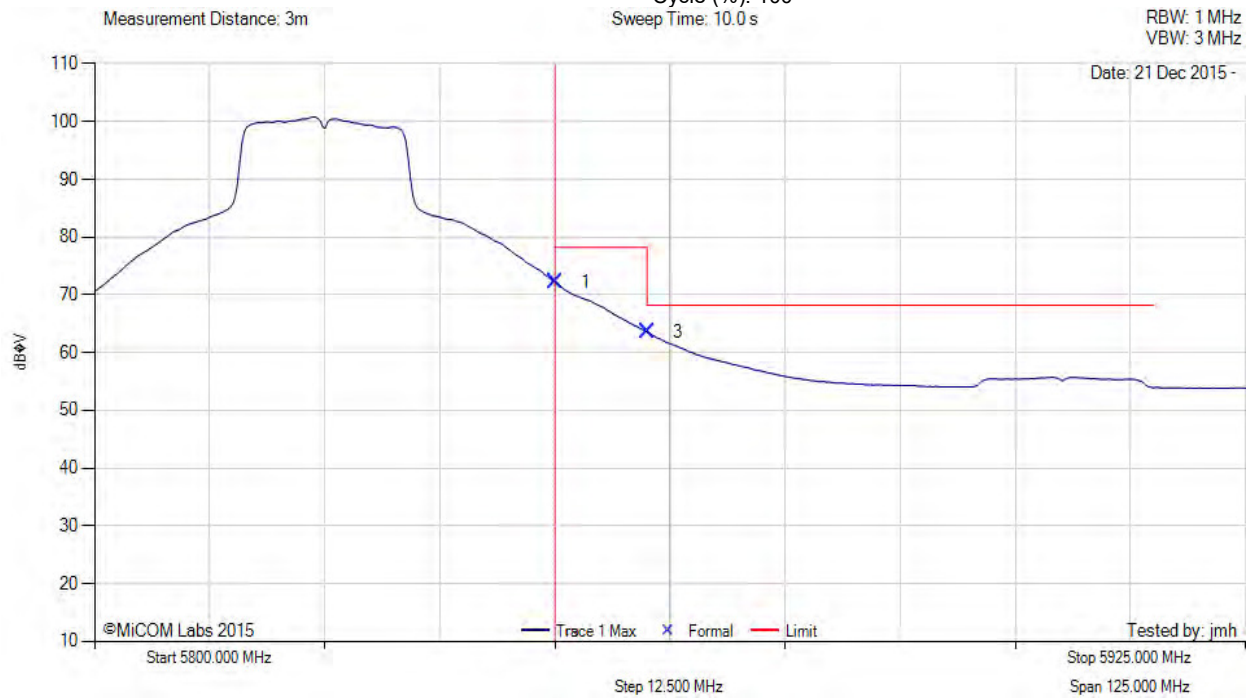
[back to matrix](#)

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5850 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 802.11n HT-20, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 21, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	33.75	3.81	34.63	72.19	Marker	Horizontal	132	40	78.2	-6.0	Pass
2	5850.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	
3	5860.00	25.01	3.86	34.65	63.52	Marker	Horizontal	132	40	68.2	-4.7	Pass

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

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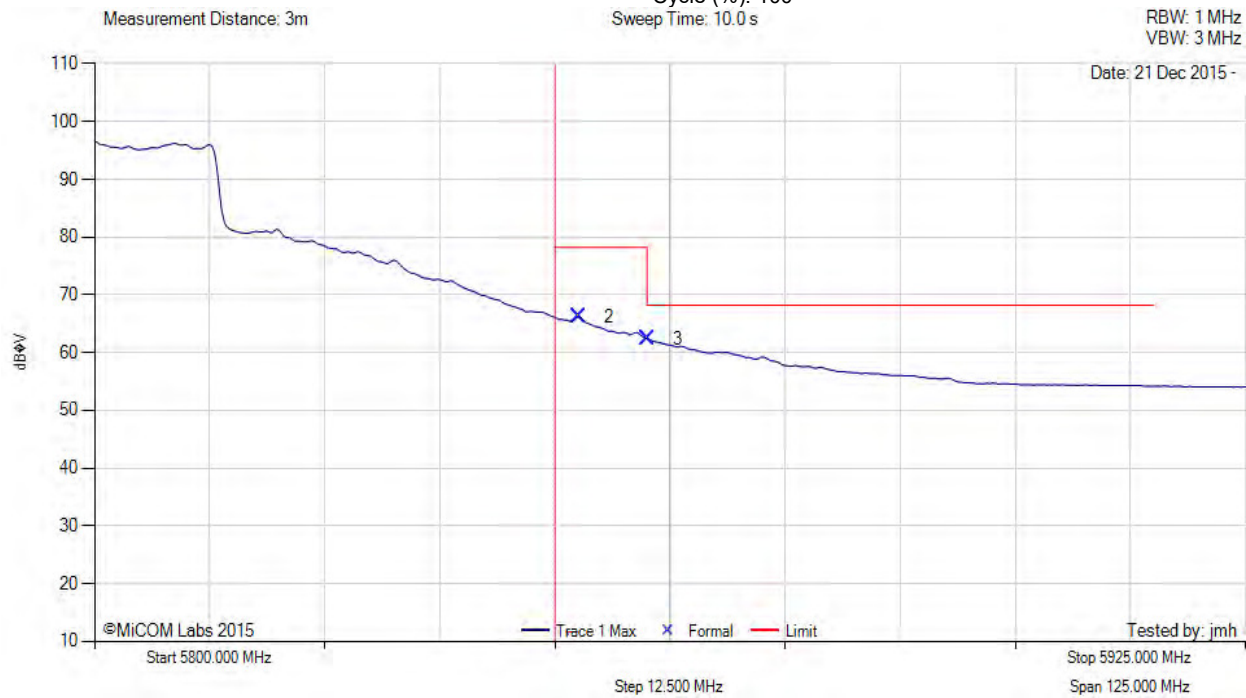
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5850 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 802.11n HT-40, Test Freq: 5795.00 MHz, Antenna: Aruba Networks AP-ANT-16, Power Setting: 21, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	0.00	0.00	0.00	--	Frequency Line 1		0	0	--	--	
2	5852.61	27.80	3.82	34.63	66.25	Marker	Horizontal	132	40	78.2	-12.0	Pass
3	5860.00	23.87	3.86	34.65	62.38	Marker	Horizontal	132	40	68.2	-5.9	Pass

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

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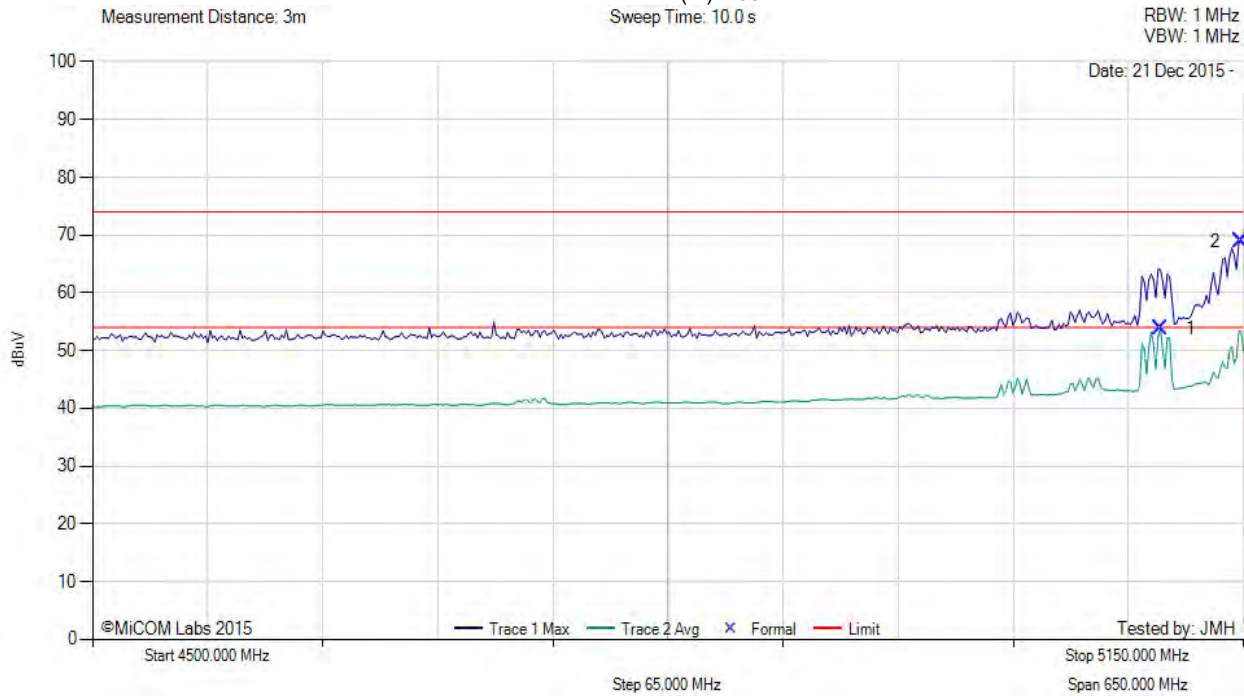


A.4.4 AP-ANT-18

RESTRICTED LOWER BAND-EDGE EMISSIONS



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



Num	Frequency MHz	Raw dBμV	Cable Loss	AF dB	Level dBμV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBμV/m	Margin dB	Pass /Fail
1	5103.11	16.10	3.58	34.13	53.81	Max Avg	Horizontal	160	335	54.0	-0.2	Pass
2	5148.70	31.11	3.67	34.11	68.89	Max Peak	Horizontal	160	335	74.0	-5.1	Pass

[back to matrix](#)

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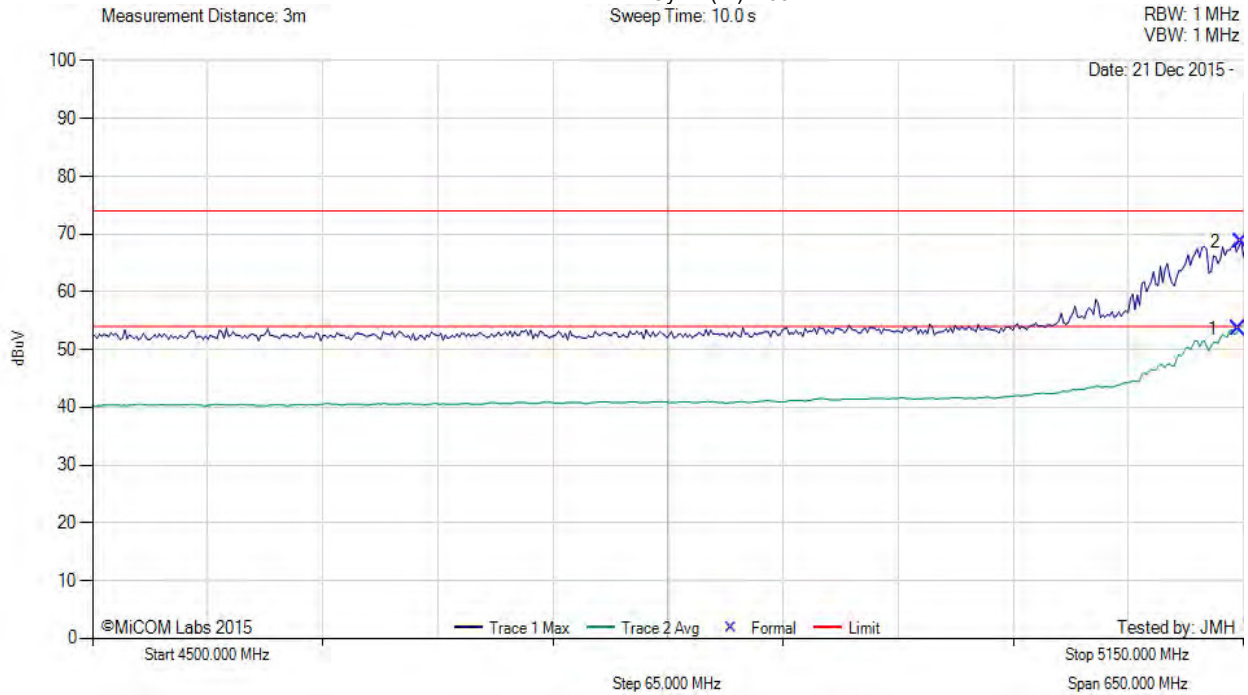


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RESTRICTED LOWER BAND-EDGE EMISSIONS



Variant: 802.11ac-80, Test Freq: 5210.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 13, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5147.39	15.73	3.68	34.11	53.52	Max Avg	Horizontal	160	335	54.0	-0.5	Pass
2	5148.70	30.89	3.67	34.11	68.67	Max Peak	Horizontal	160	335	74.0	-5.3	Pass

[back to matrix](#)

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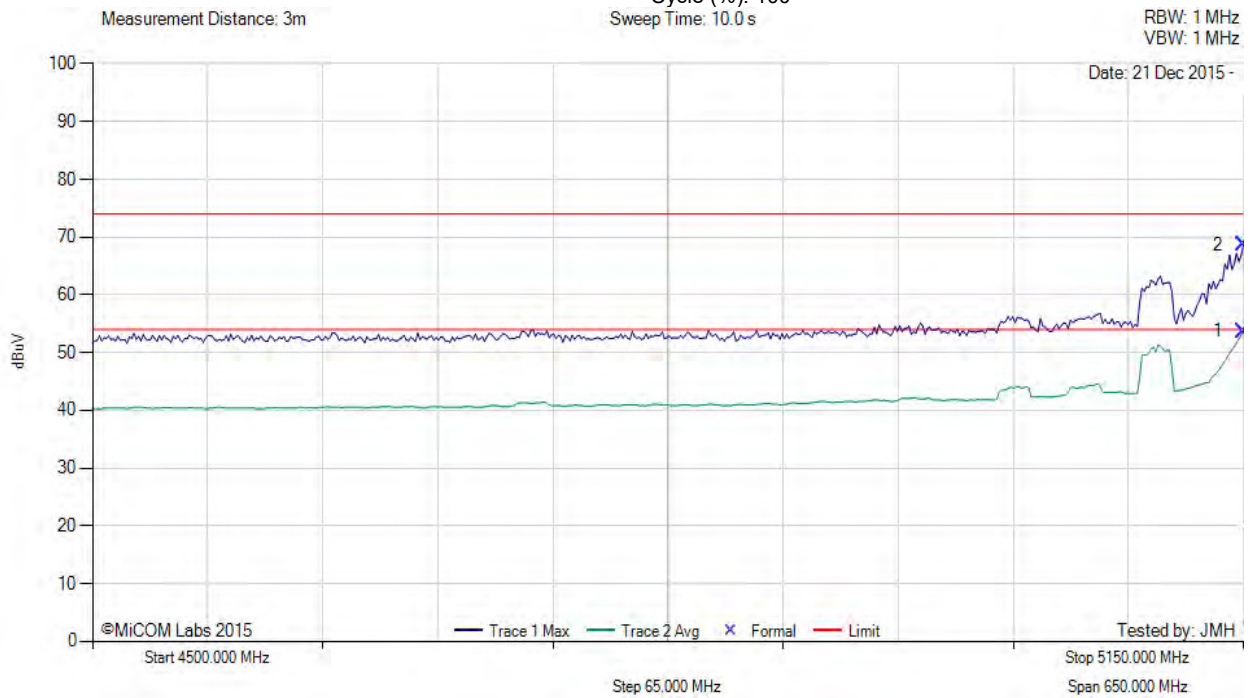


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RESTRICTED LOWER BAND-EDGE EMISSIONS



Variant: 802.11n HT-20, Test Freq: 5180.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 17.25, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5150.00	15.88	3.67	34.11	53.66	Max Avg	Horizontal	160	335	54.0	-0.3	Pass
2	5150.00	30.90	3.67	34.11	68.68	Max Peak	Horizontal	160	335	74.0	-5.3	Pass

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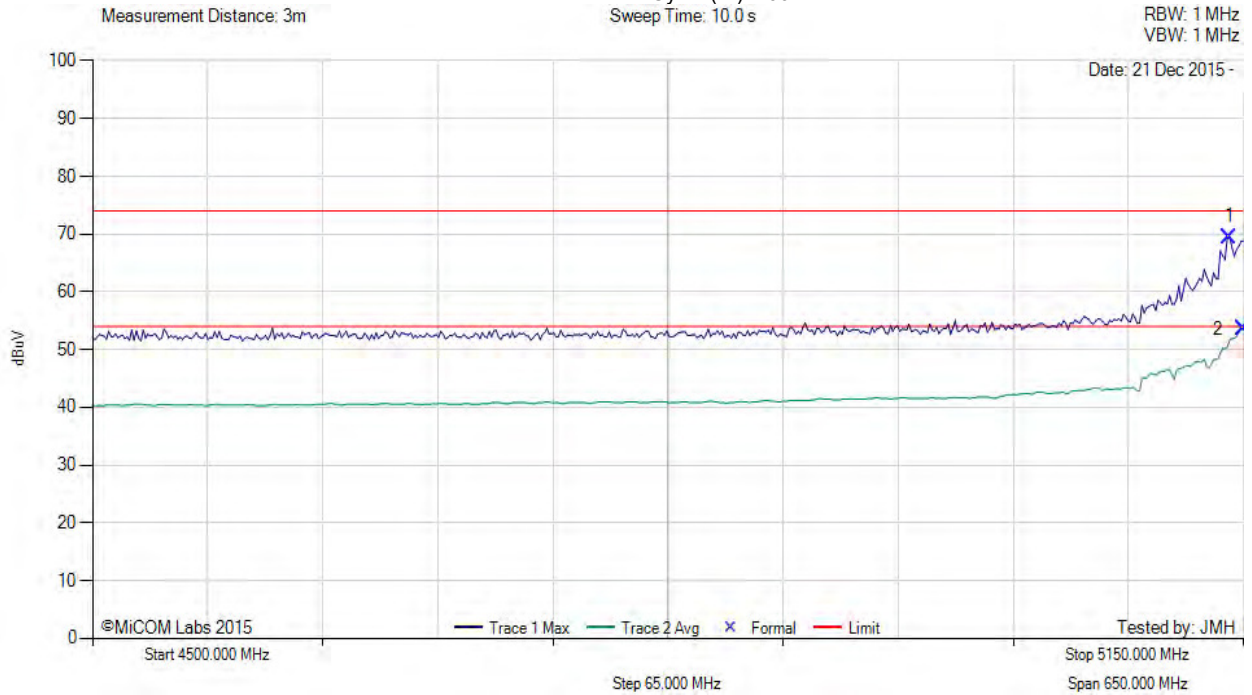


Title: Aruba Networks APIN0204, APIN0205
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RESTRICTED LOWER BAND-EDGE EMISSIONS



Variant: 802.11n HT-40, Test Freq: 5190.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 14, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5142.18	31.68	3.70	34.12	69.50	Max Peak	Horizontal	160	335	74.0	-4.5	Pass
2	5150.00	15.83	3.67	34.11	53.61	Max Avg	Horizontal	160	335	54.0	-0.4	Pass

[back to matrix](#)

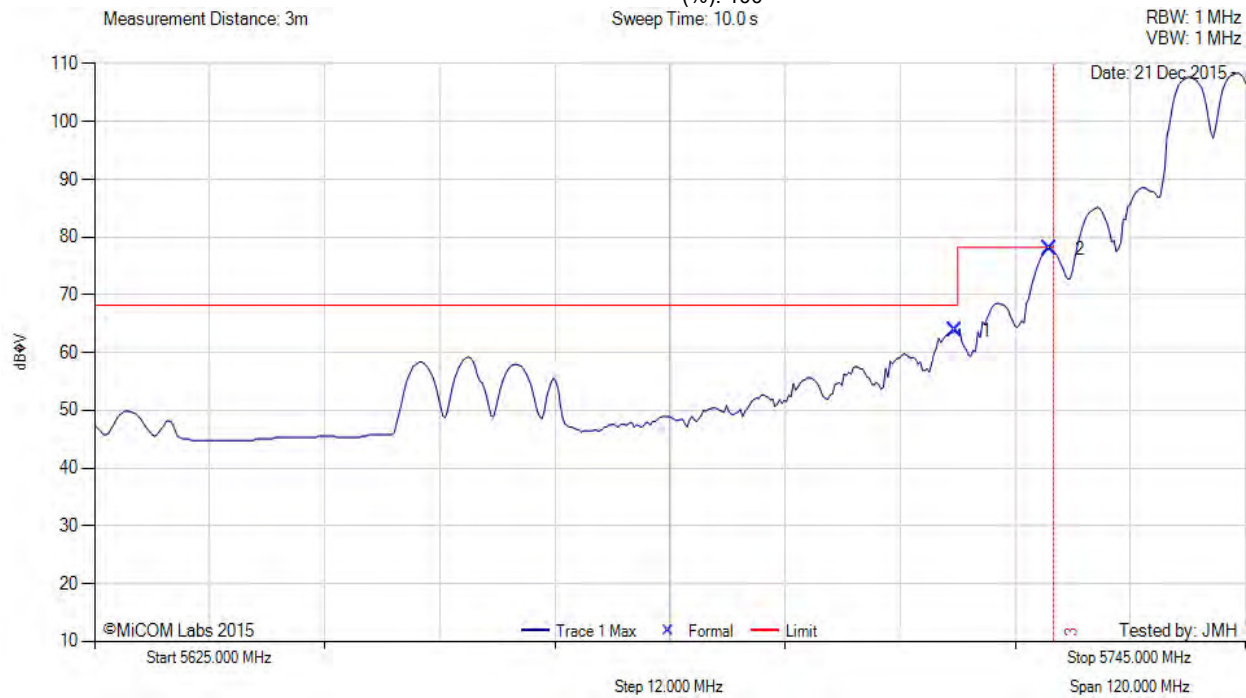
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5725 MHz RADIATED BAND-EDGE EMISSIONS



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



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5714.76	25.62	3.81	34.34	63.77	Marker	Horizontal	148	-6	68.2	-4.5	Pass
2	5724.52	39.84	3.79	34.35	77.98	Marker	Horizontal	148	-6	78.2	-0.3	Pass

[back to matrix](#)

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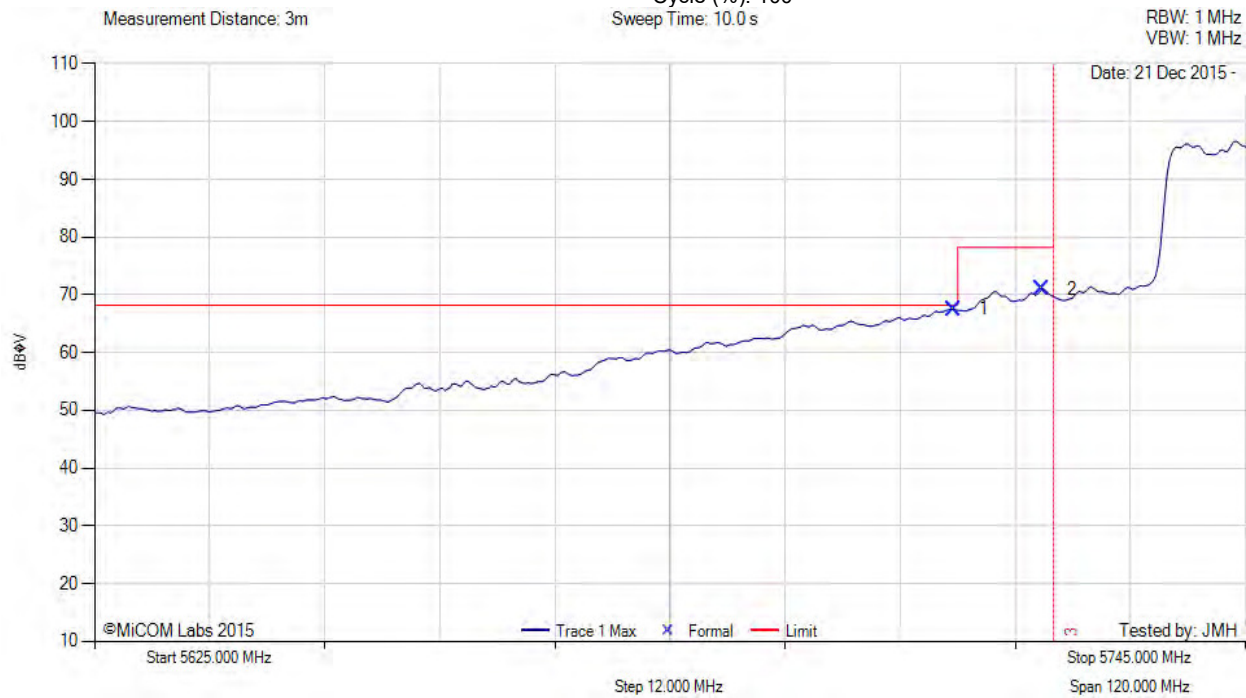


Title: Aruba Networks APIN0204, APIN0205
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB206-U5 Rev A
Issue Date: 27th April 2016
Page: 306 of 349

5725 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 17.25, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5714.52	29.35	3.81	34.34	67.50	Marker	Horizontal	148	-6	68.2	-0.7	Pass
2	5723.80	32.92	3.79	34.35	71.06	Marker	Horizontal	148	-6	78.2	-7.2	Pass

[back to matrix](#)

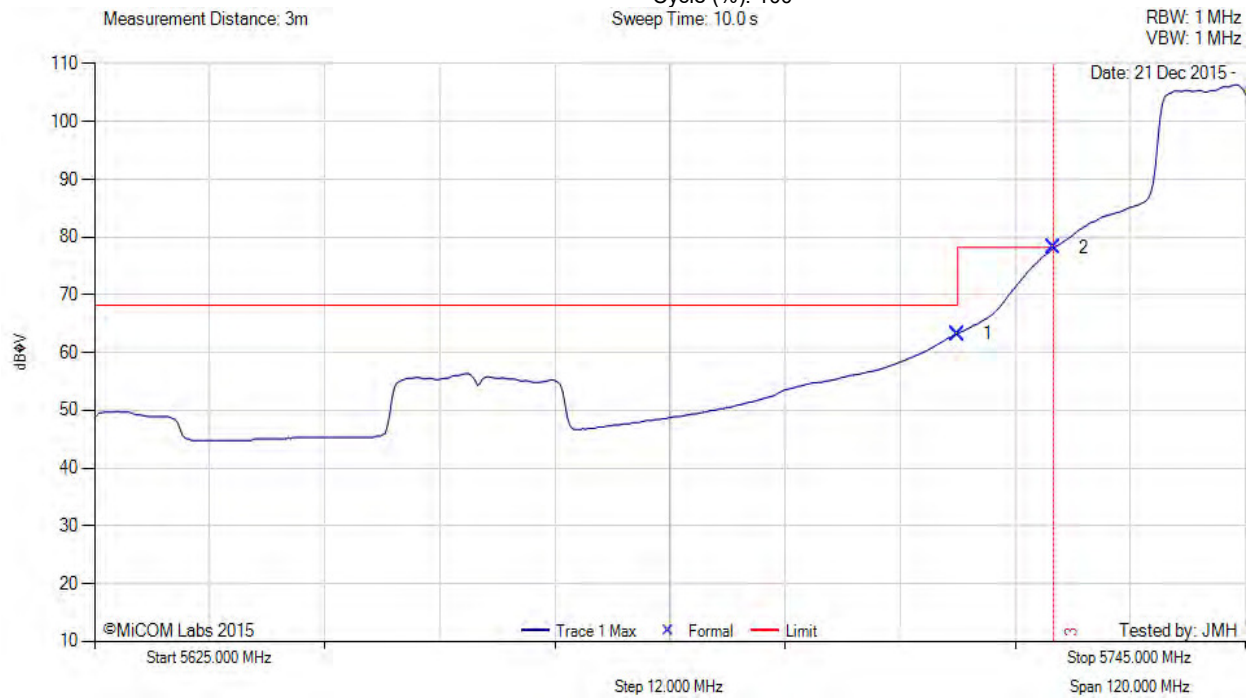
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5725 MHz RADIATED BAND-EDGE EMISSIONS



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



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5715.00	25.10	3.81	34.34	63.25	Marker	Horizontal	148	-6	68.2	-5.0	Pass
2	5725.00	40.01	3.79	34.35	78.15	Marker	Horizontal	148	-6	78.2	-0.1	Pass

[back to matrix](#)

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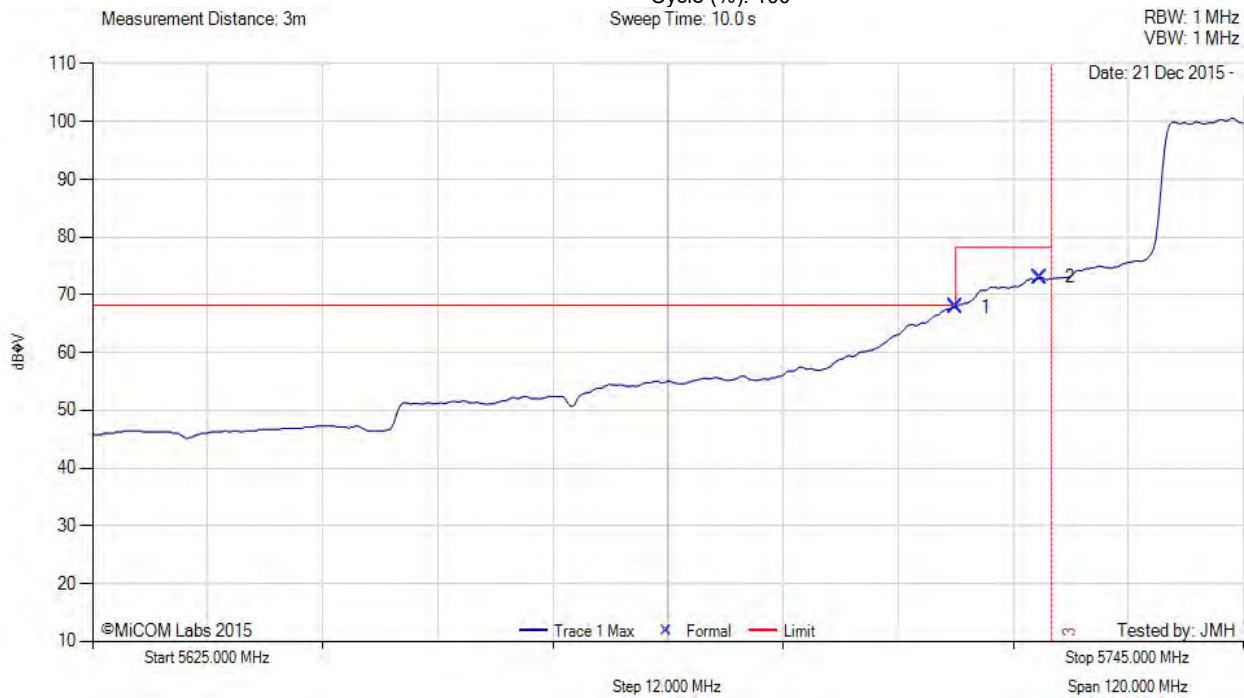


Title: Aruba Networks APIN0204, APIN0205
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB206-U5 Rev A
Issue Date: 27th April 2016
Page: 308 of 349

5725 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 802.11n HT-40, Test Freq: 5755.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 17.5, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5715.00	29.73	3.81	34.34	67.88	Marker	Horizontal	148	-6	68.2	-0.4	Pass
2	5723.80	34.89	3.79	34.35	73.03	Marker	Horizontal	148	-6	78.2	-5.2	Pass

[back to matrix](#)

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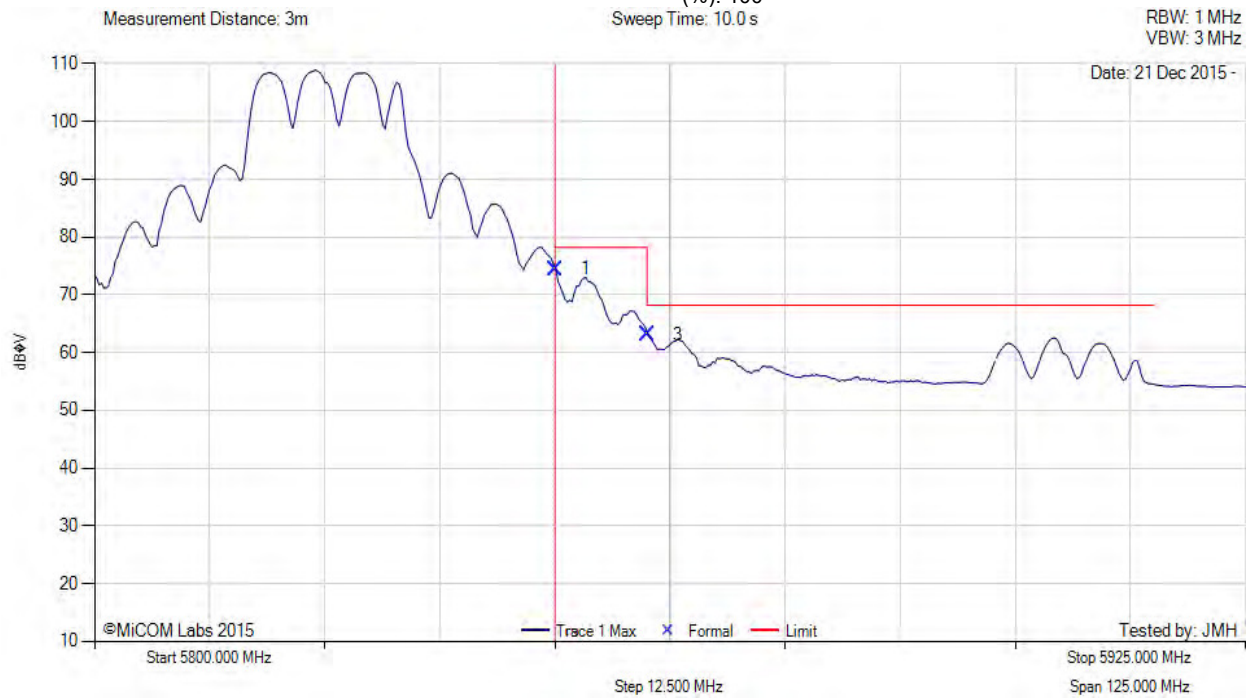


Title: Aruba Networks APIN0204, APIN0205
To: FCC CFR 47 Part 15 Subpart E 15.407
Serial #: ARUB206-U5 Rev A
Issue Date: 27th April 2016
Page: 309 of 349

5850 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 802.11a, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 21, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	36.06	3.81	34.63	74.50	Marker	Horizontal	148	355	78.2	-3.7	Pass
3	5860.00	24.65	3.86	34.65	63.16	Marker	Horizontal	148	355	68.2	-5.1	Pass

[back to matrix](#)

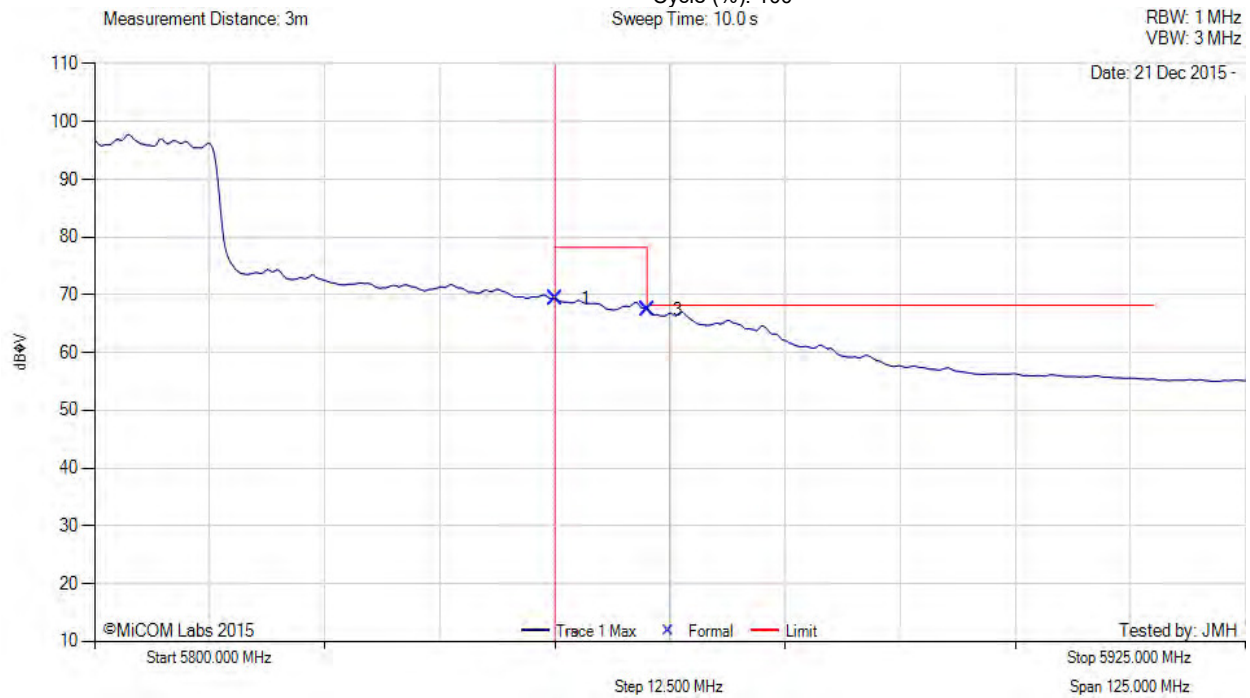
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5850 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 802.11ac-80, Test Freq: 5775.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 17.25, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	30.87	3.81	34.63	69.31	Marker	Horizontal	148	355	78.2	-8.9	Pass
3	5860.00	28.97	3.86	34.65	67.48	Marker	Horizontal	148	355	8.2	-0.8	Pass

[back to matrix](#)

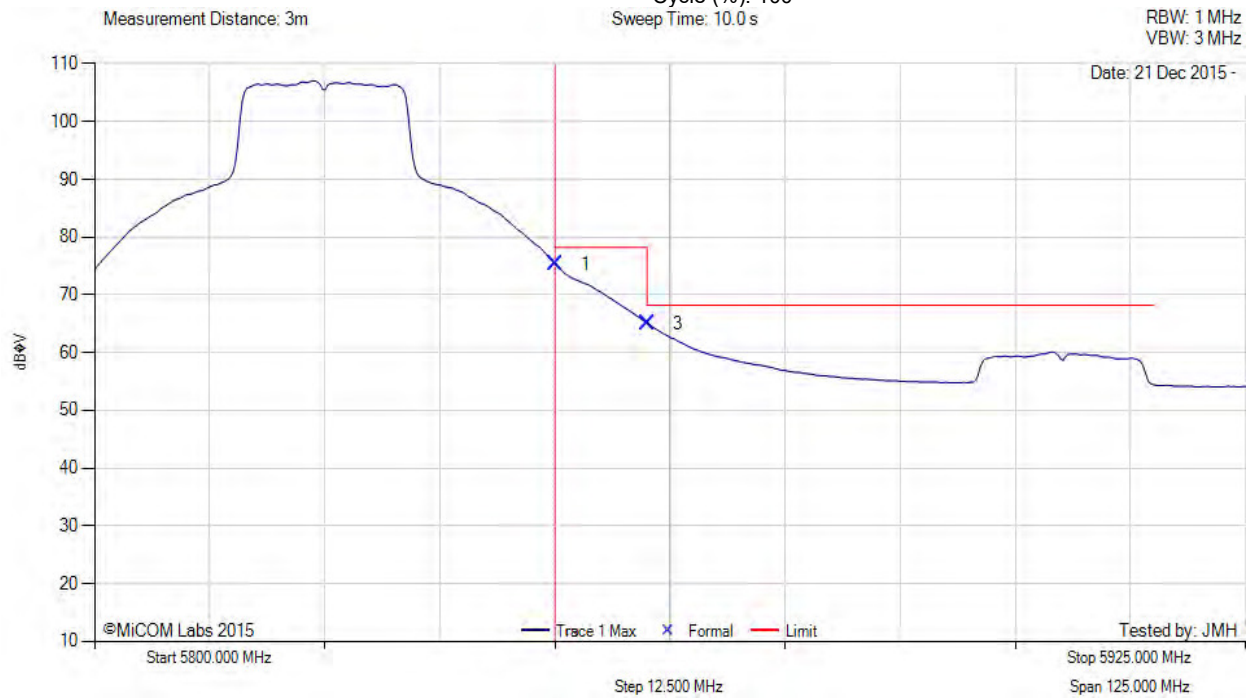
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5850 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 802.11n HT-20, Test Freq: 5825.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 21, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
1	5850.00	36.90	3.81	34.63	75.34	Marker	Horizontal	148	355	78.2	-2.9	Pass
3	5860.00	26.49	3.86	34.65	65.00	Marker	Horizontal	148	355	68.2	-3.2	Pass

[back to matrix](#)

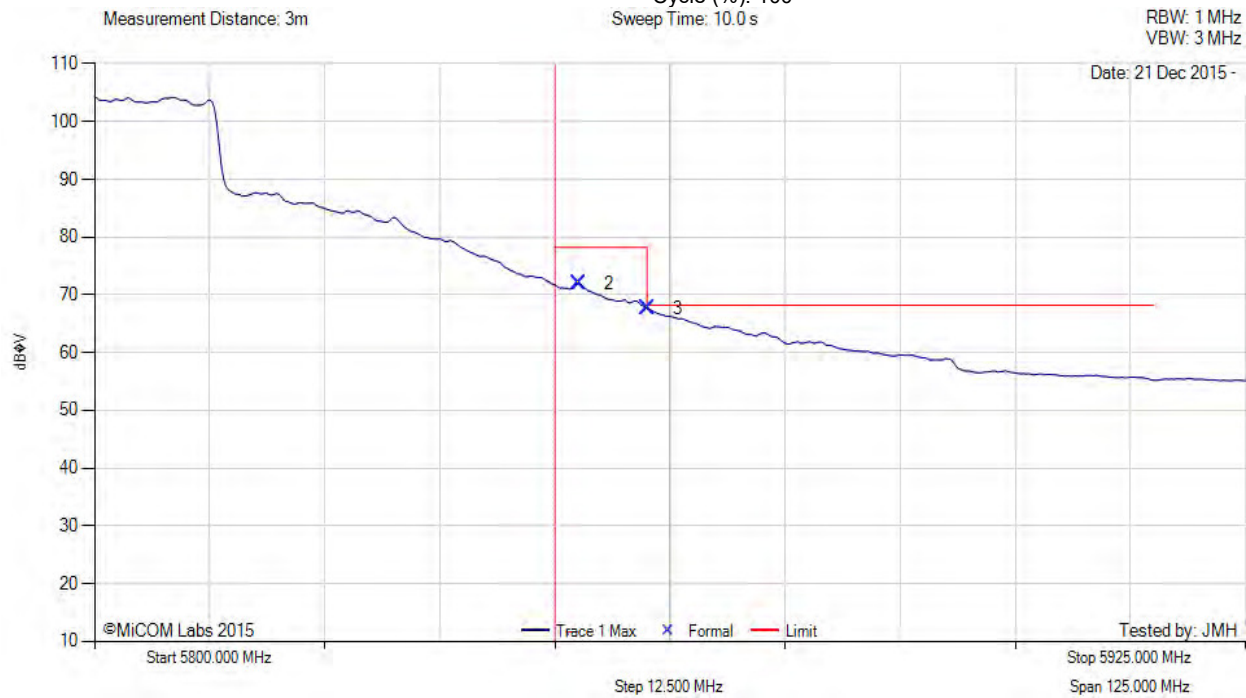
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5850 MHz RADIATED BAND-EDGE EMISSIONS



Variant: 802.11n HT-40, Test Freq: 5795.00 MHz, Antenna: Aruba Networks AP-ANT-18, Power Setting: 21, Duty Cycle (%): 100



Num	Frequency MHz	Raw dBµV	Cable Loss	AF dB	Level dBµV/m	Measurement Type	Pol	Hgt cm	Azt Deg	Limit dBµV/m	Margin dB	Pass /Fail
2	5852.61	33.55	3.82	34.63	72.00	Marker	Horizontal	148	355	78.2	-6.2	Pass
3	5860.00	29.11	3.86	34.65	67.62	Marker	Horizontal	148	355	68.2	-0.6	Pass

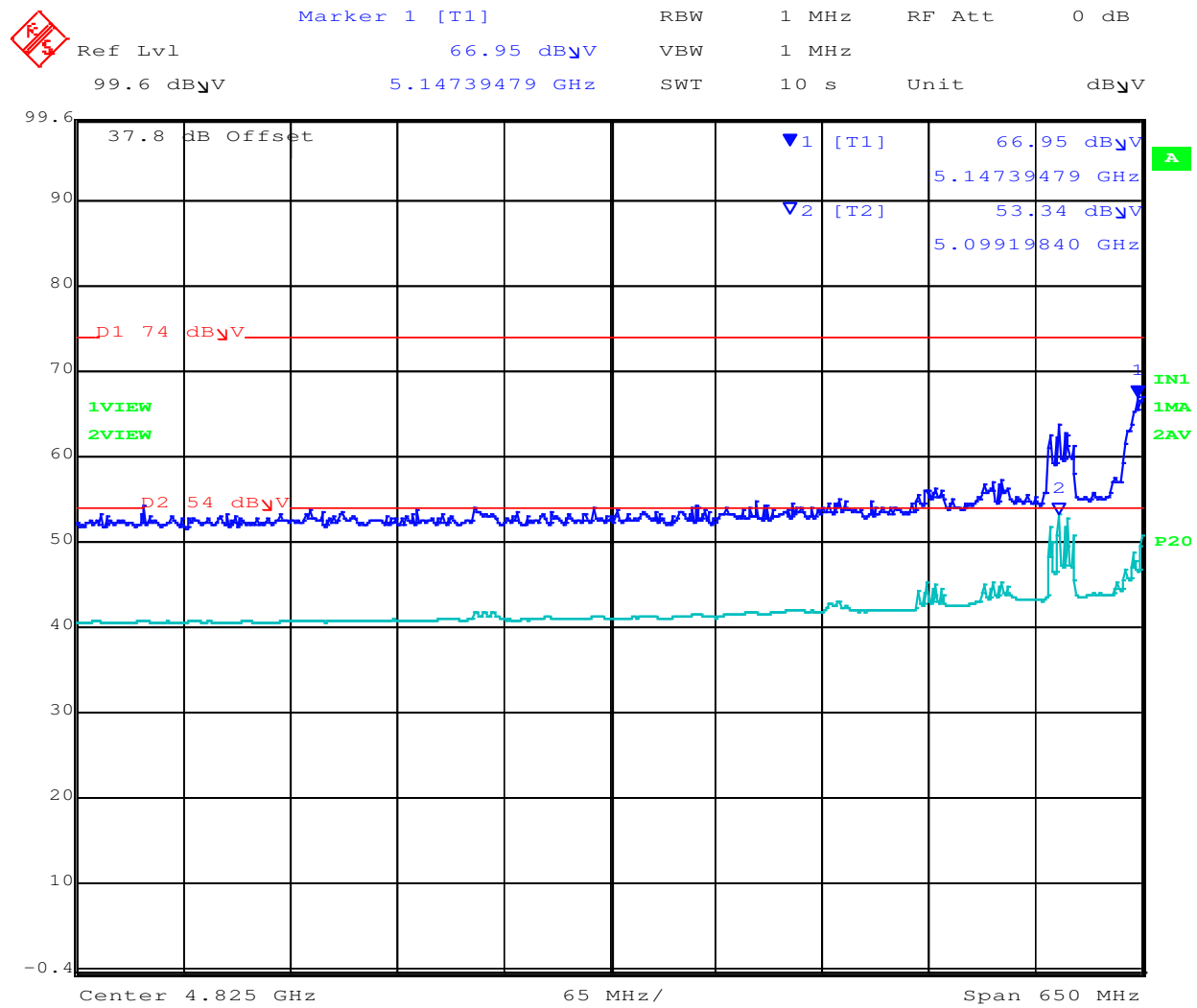
[back to matrix](#)

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A.4.5 AP-ANT-19

Restricted Band-Edge 5150 MHz
802.11a

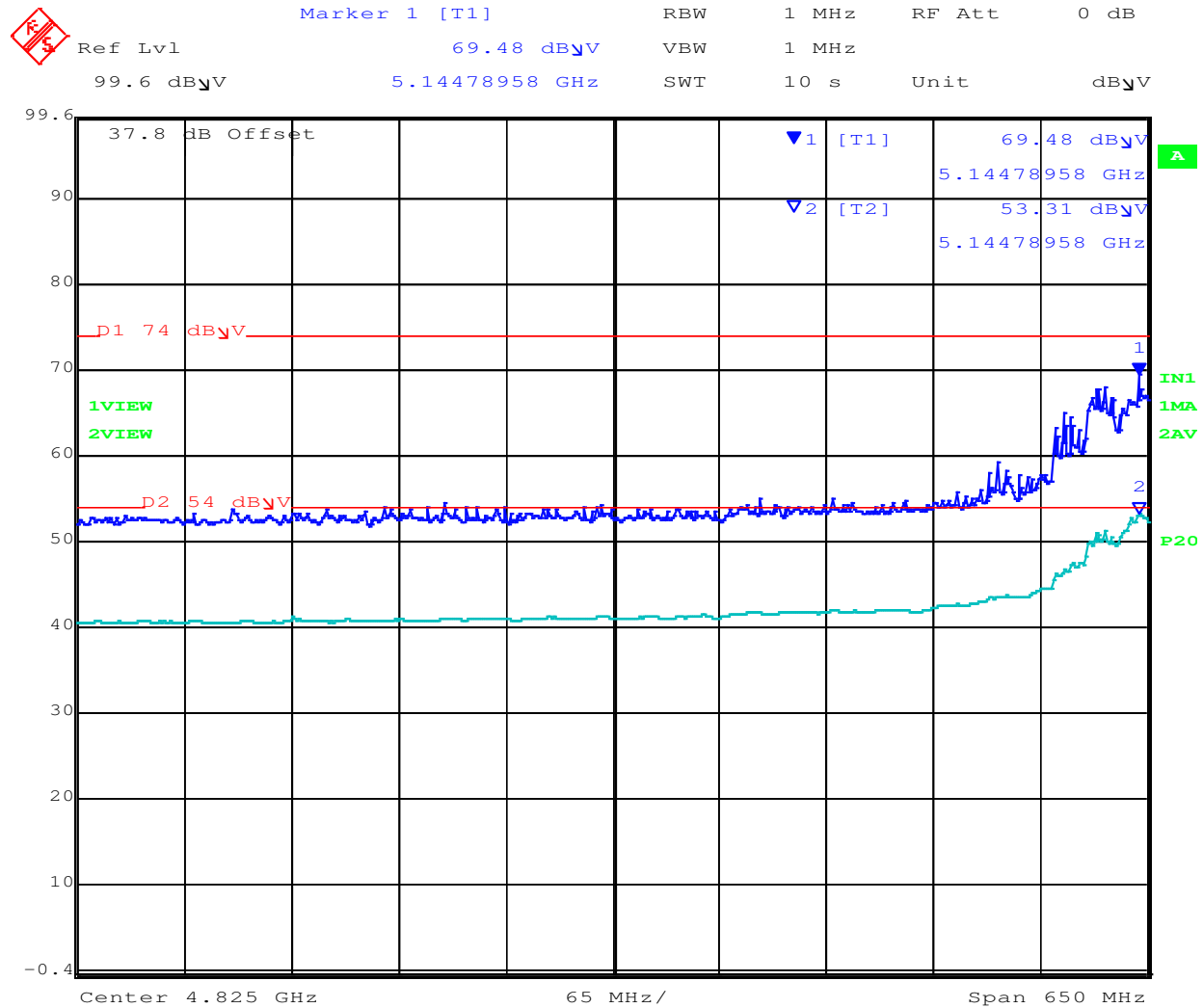


Date: 16.DEC.2015 09:49:40

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Restricted Band-Edge 5150 MHz
802.11ac-80



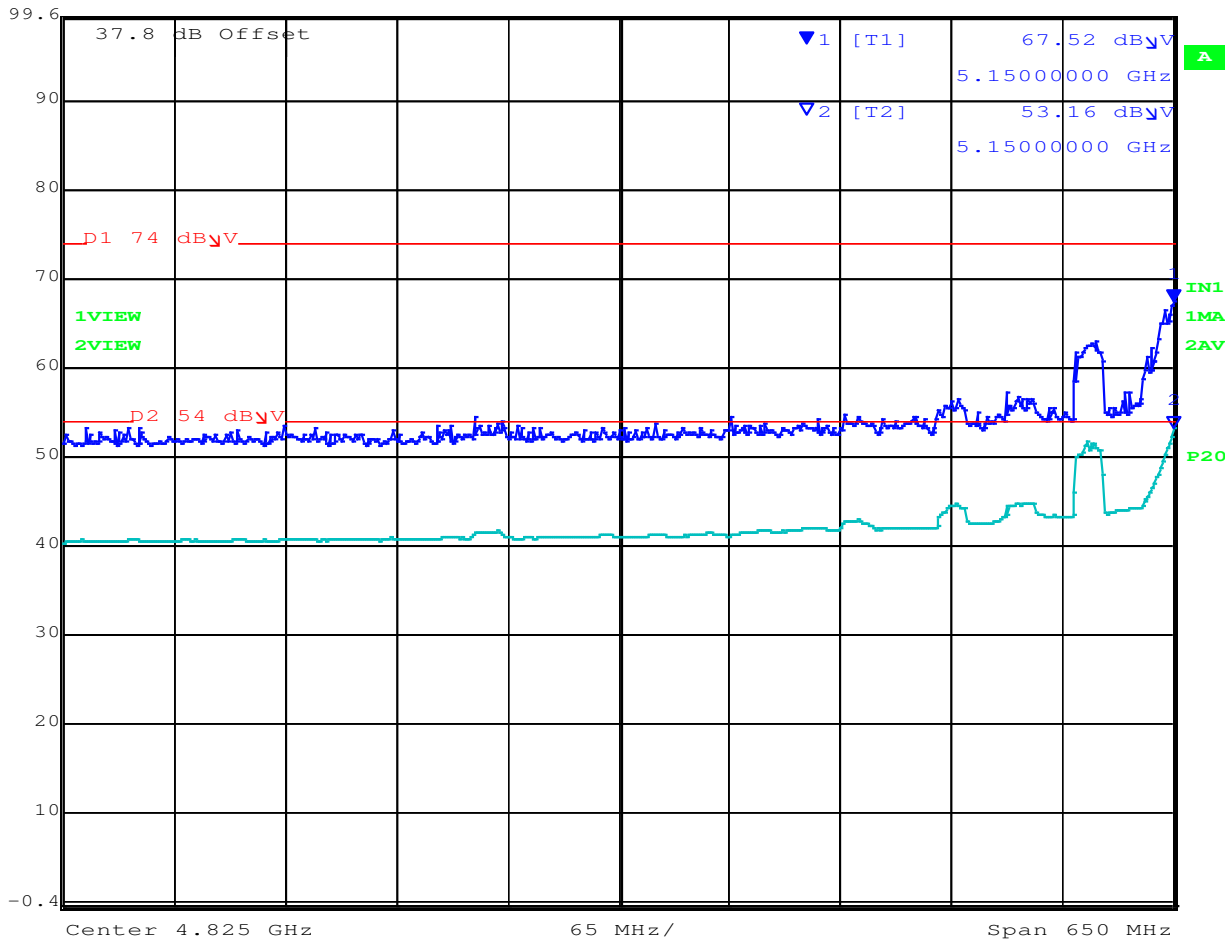
Date: 16.DEC.2015 09:57:12

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Restricted Band-Edge 5150 MHz
802.11HT-20

	Marker 1 [T1]	RBW	1 MHz	RF Att	0 dB
	Ref Lvl	67.52 dB μ V	VBW	1 MHz	
	99.6 dB μ V	5.1500000 GHz	SWT	10 s	Unit dB μ V



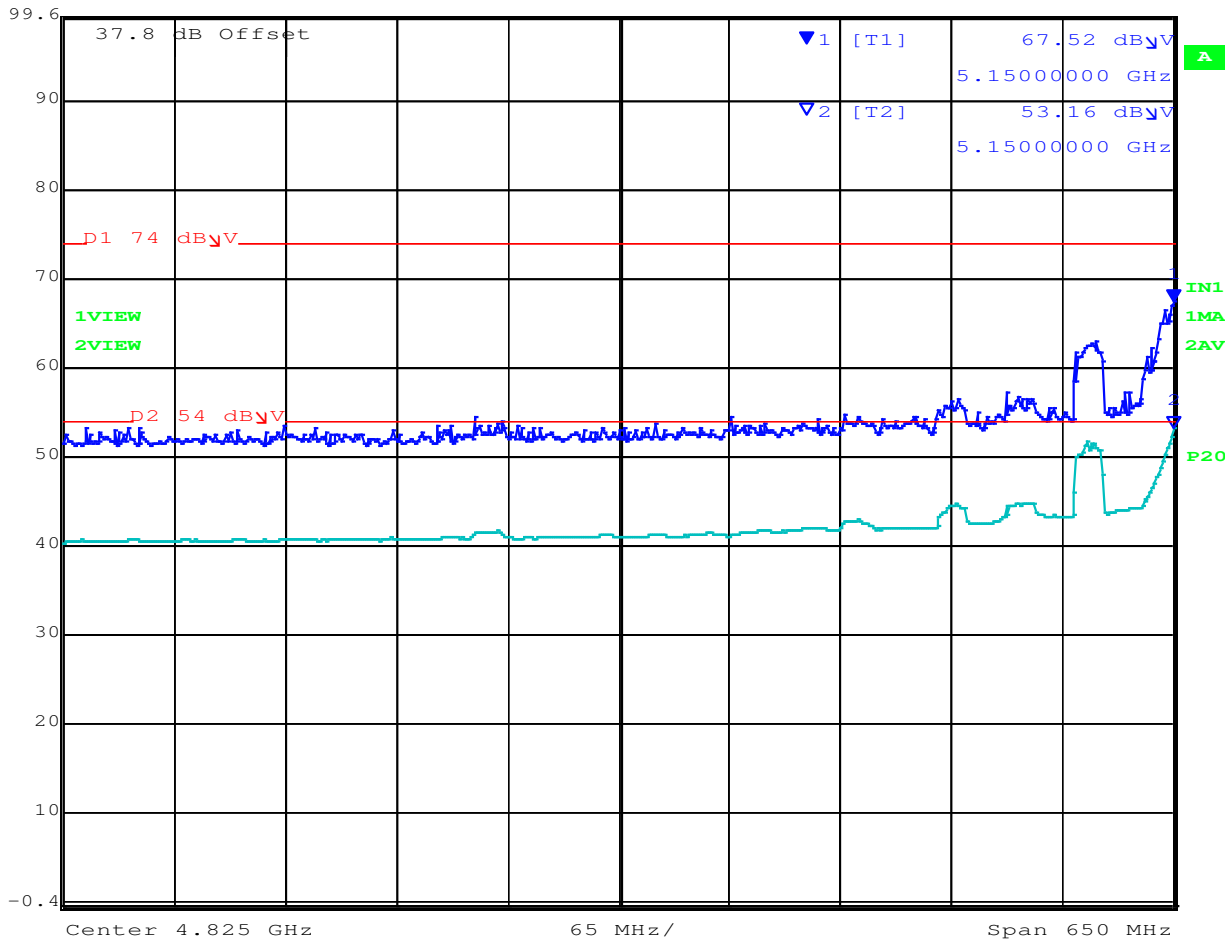
Date: 16.DEC.2015 09:52:10

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Restricted Band-Edge 5150 MHz
802.11HT-40

	Marker 1 [T1]	RBW	1 MHz	RF Att	0 dB
	Ref Lvl	67.52 dB μ V	VBW	1 MHz	
	99.6 dB μ V	5.1500000 GHz	SWT	10 s	Unit dB μ V



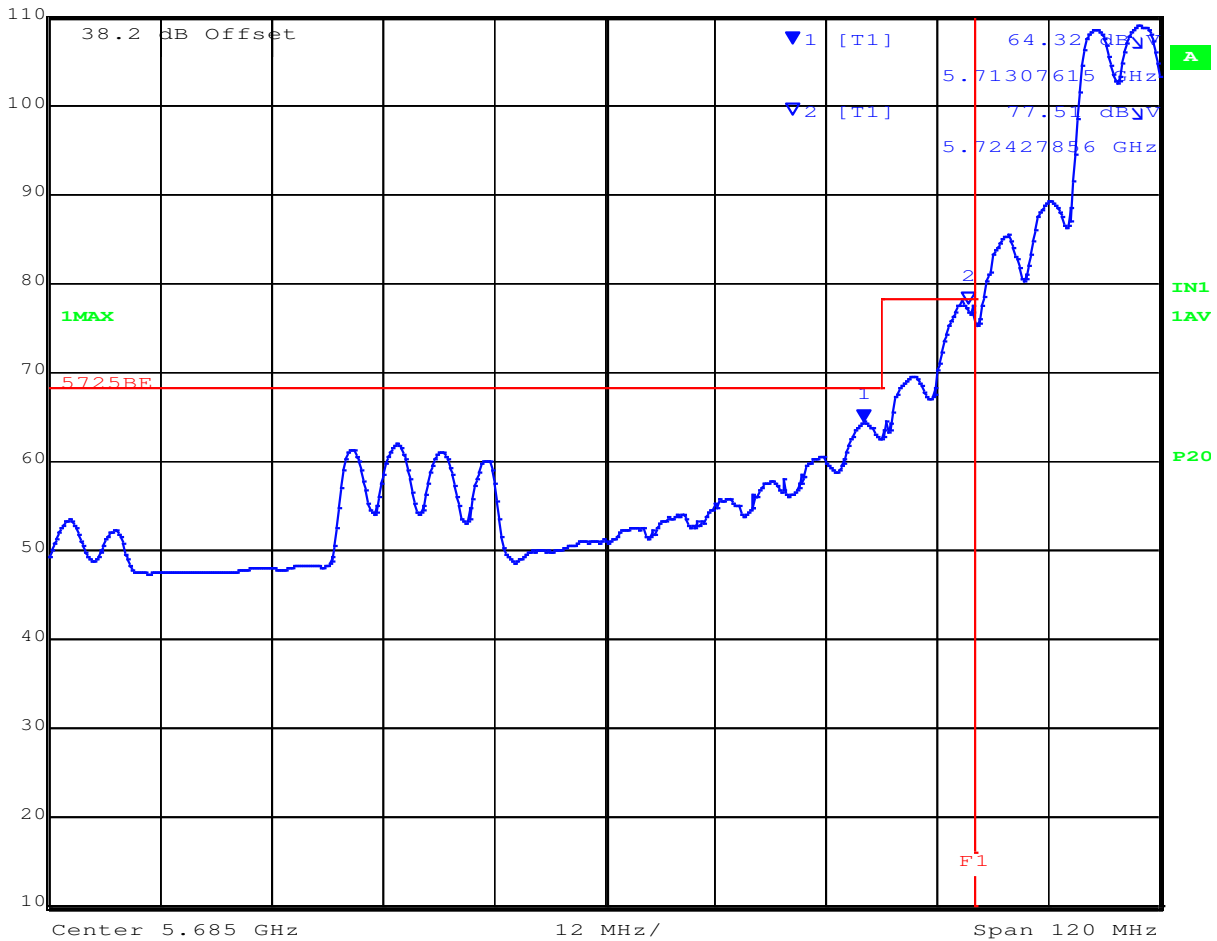
Date: 16.DEC.2015 09:52:10

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Restricted Band-Edge 5725 MHz
802.11a

	Marker 1 [T1]	RBW	1 MHz	RF Att	0 dB
	Ref Lvl	64.32 dB μ V	VBW	1 MHz	
	110 dB μ V	5.71307615 GHz	SWT	10 s	Unit



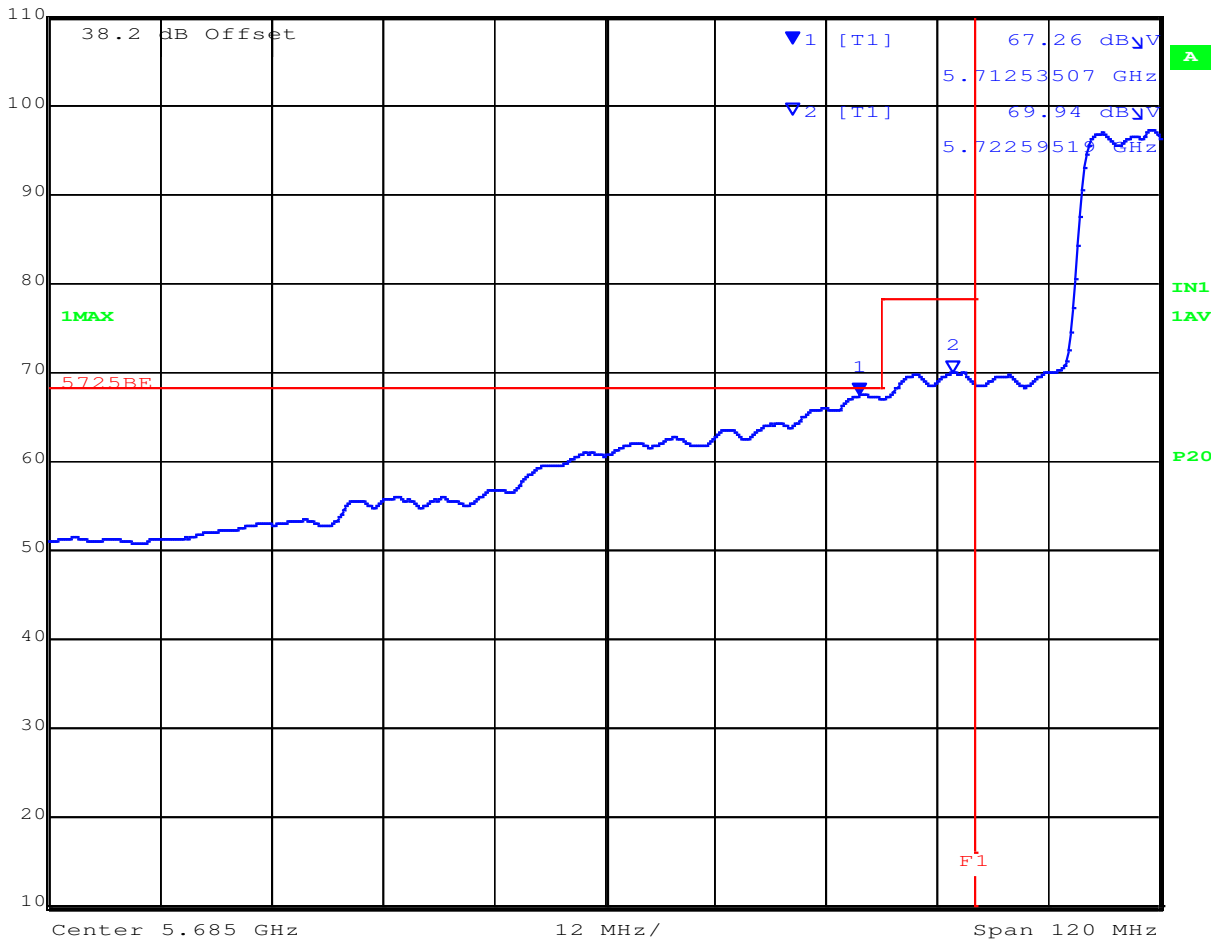
Date: 16.DEC.2015 09:42:27

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Restricted Band-Edge 5725 MHz
802.11ac-80

	Marker 1 [T1]	RBW	1 MHz	RF Att	0 dB
	Ref Lvl	67.26 dB μ V	VBW	1 MHz	
	110 dB μ V	5.71253507 GHz	SWT	10 s	Unit dB μ V



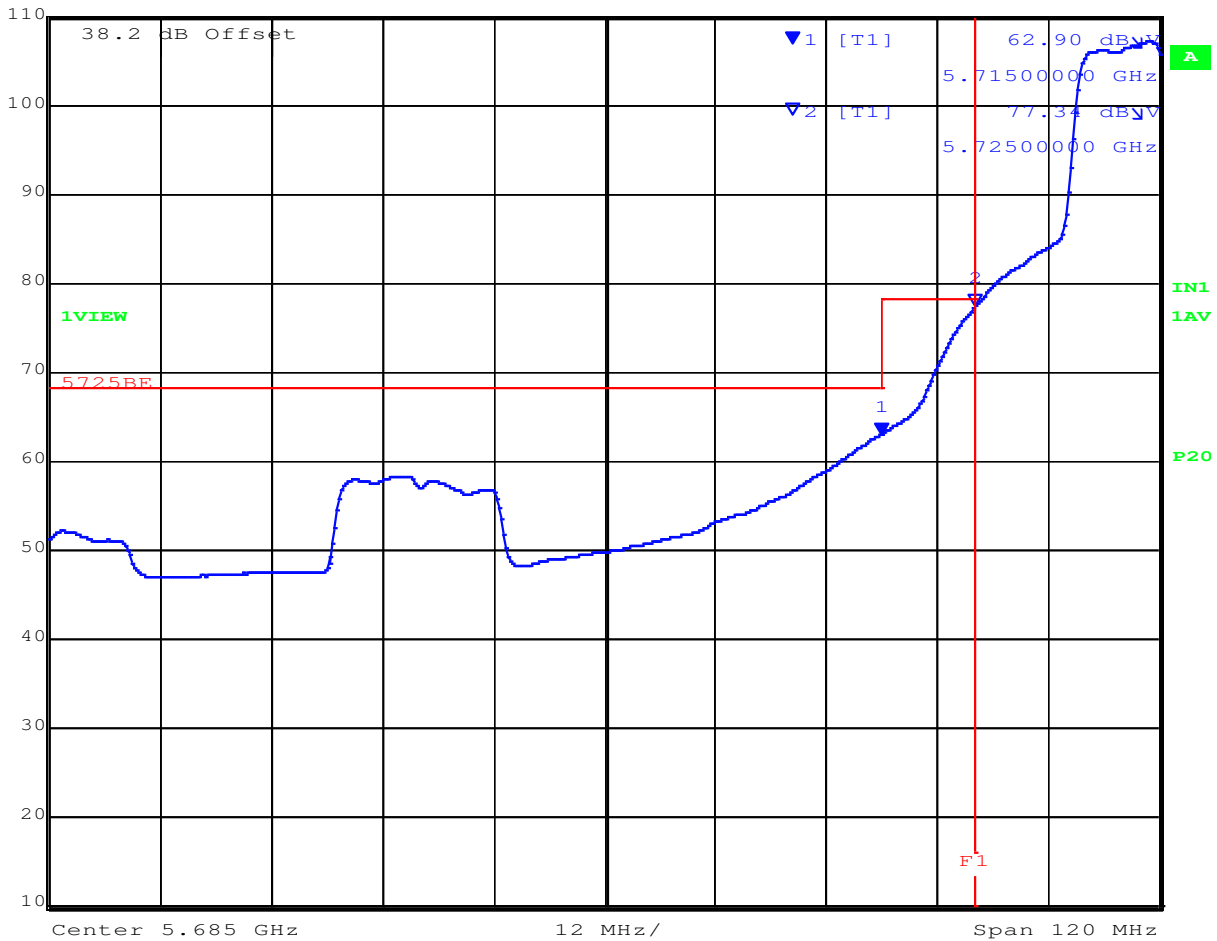
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Restricted Band-Edge 5725 MHz
802.11HT-20

	Marker 1 [T1]	RBW	1 MHz	RF Att	0 dB
	Ref Lvl	62.90 dBμV	VBW	1 MHz	
	110 dBμV	5.7150000 GHz	SWT	10 s	Unit dBμV




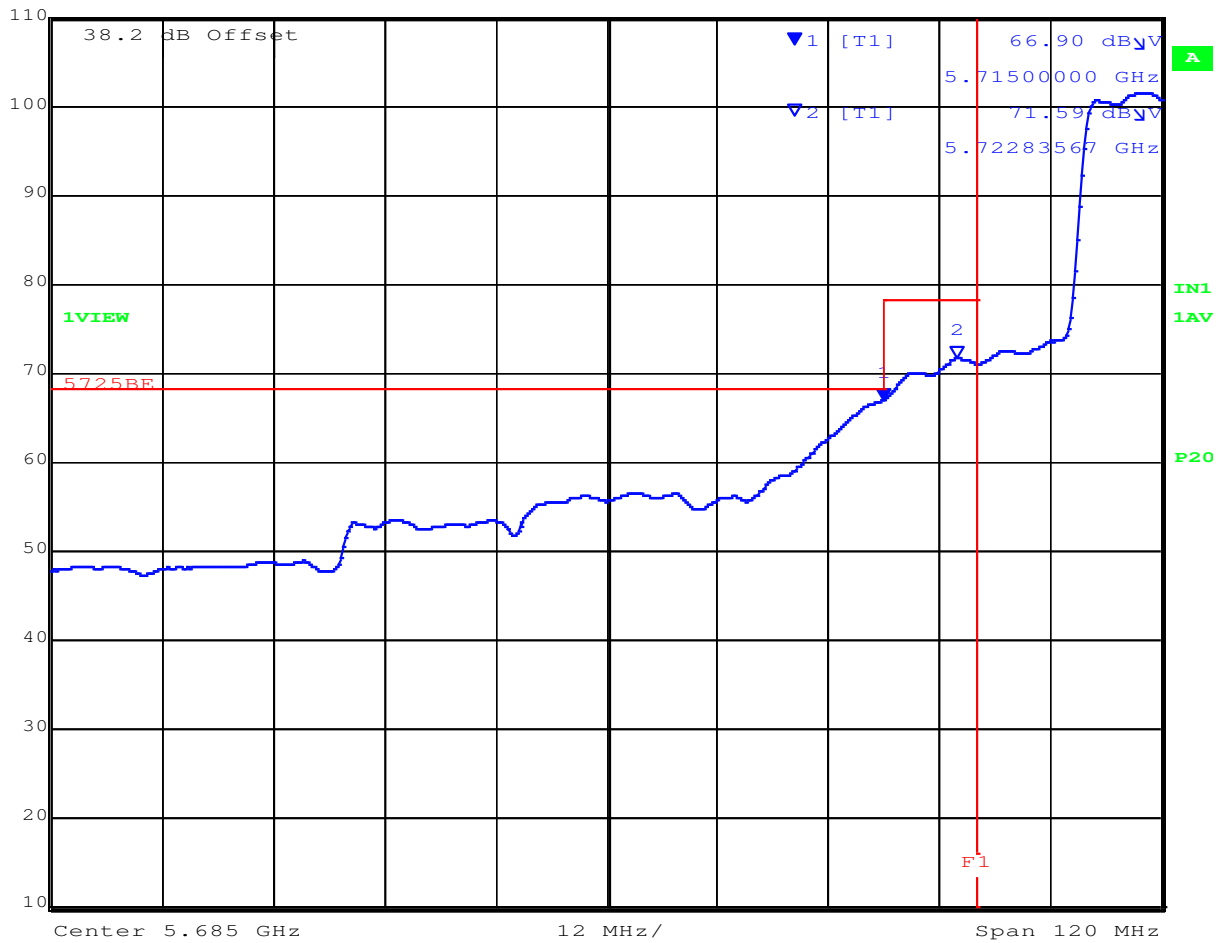
Date: 16.DEC.2015 09:39:19

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Restricted Band-Edge 5725 MHz
802.11HT-40

 Marker 1 [T1] RBW 1 MHz RF Att 0 dB
Ref Lvl 66.90 dBμV VBW 1 MHz
110 dBμV 5.7150000 GHz SWT 10 s Unit dBμV



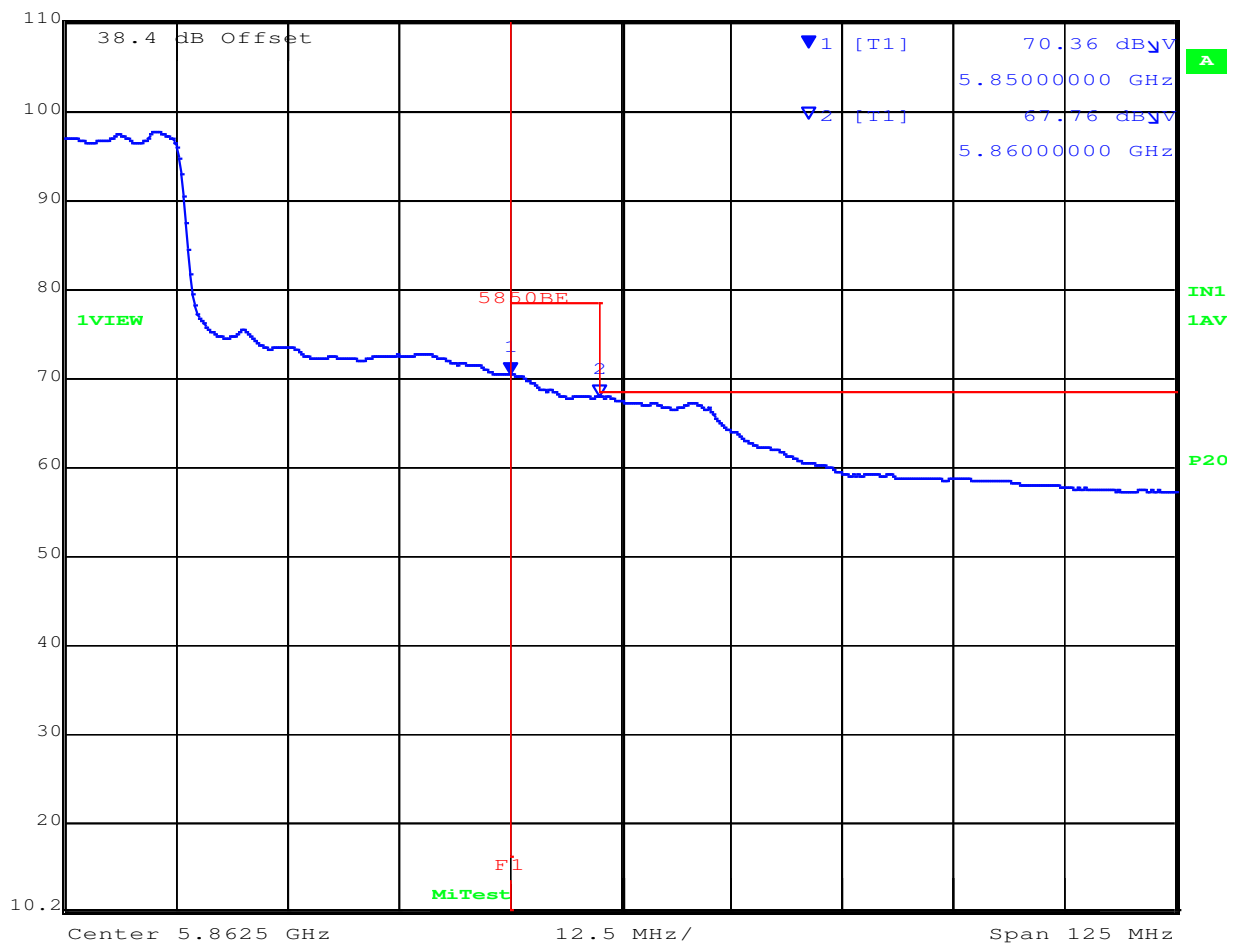
Date: 16.DEC.2015 09:36:46

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Restricted Band-Edge 5850 MHz
802.11ac-80

	Marker 1 [T1]	RBW	1 MHz	RF Att	10 dB
	Ref Lvl	70.36 dB μ V	VBW	3 MHz	
	110.2 dB μ V	5.8500000 GHz	SWT	10 s	Unit dB μ V



Date: 16.DEC.2015 09:26:56

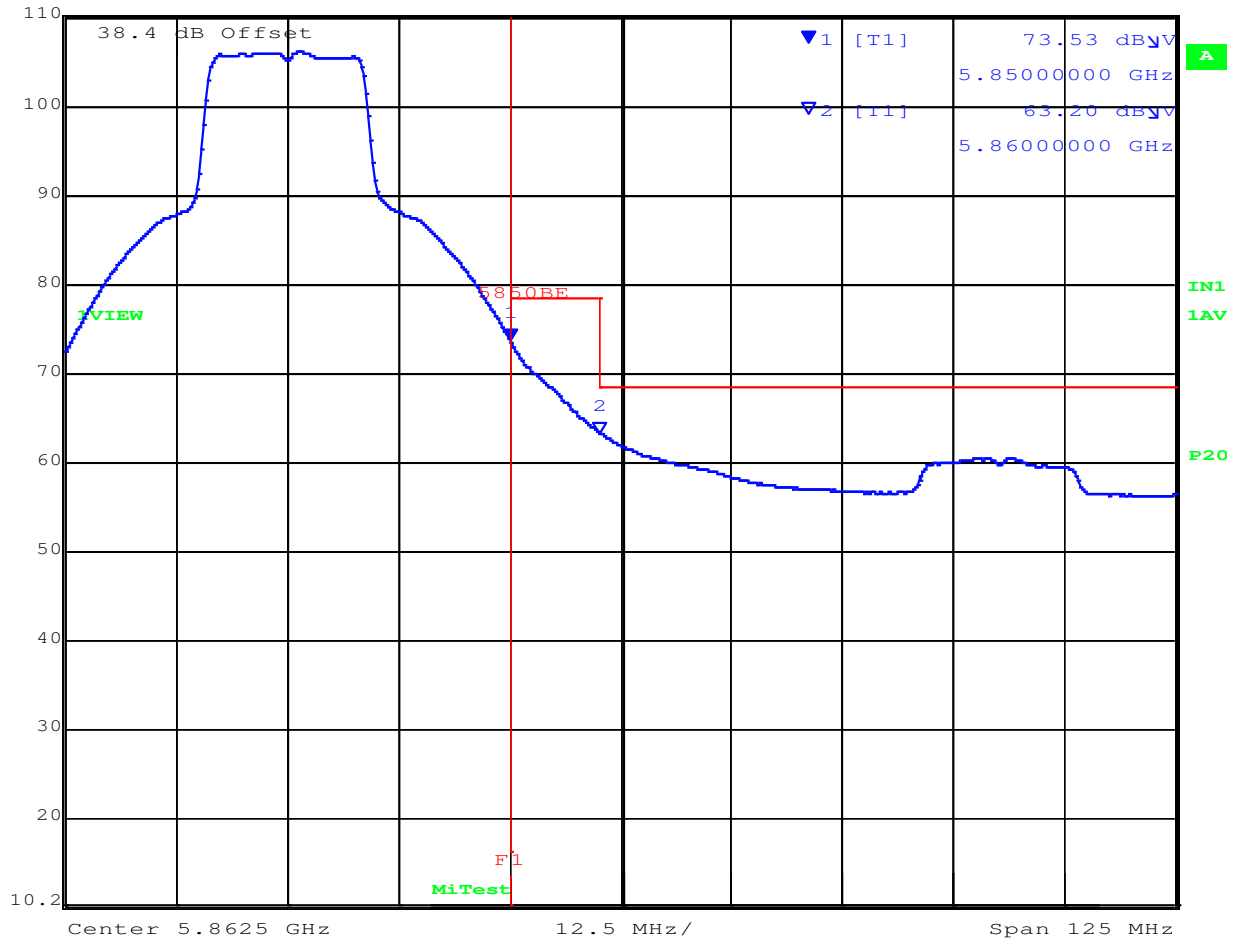
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Restricted Band-Edge 5850 MHz
802.11HT-20



Marker 1 [T1] RBW 1 MHz RF Att 10 dB
Ref Lvl 73.53 dB μ V VBW 3 MHz
110.2 dB μ V 5.8500000 GHz SWT 10 s Unit dB μ V

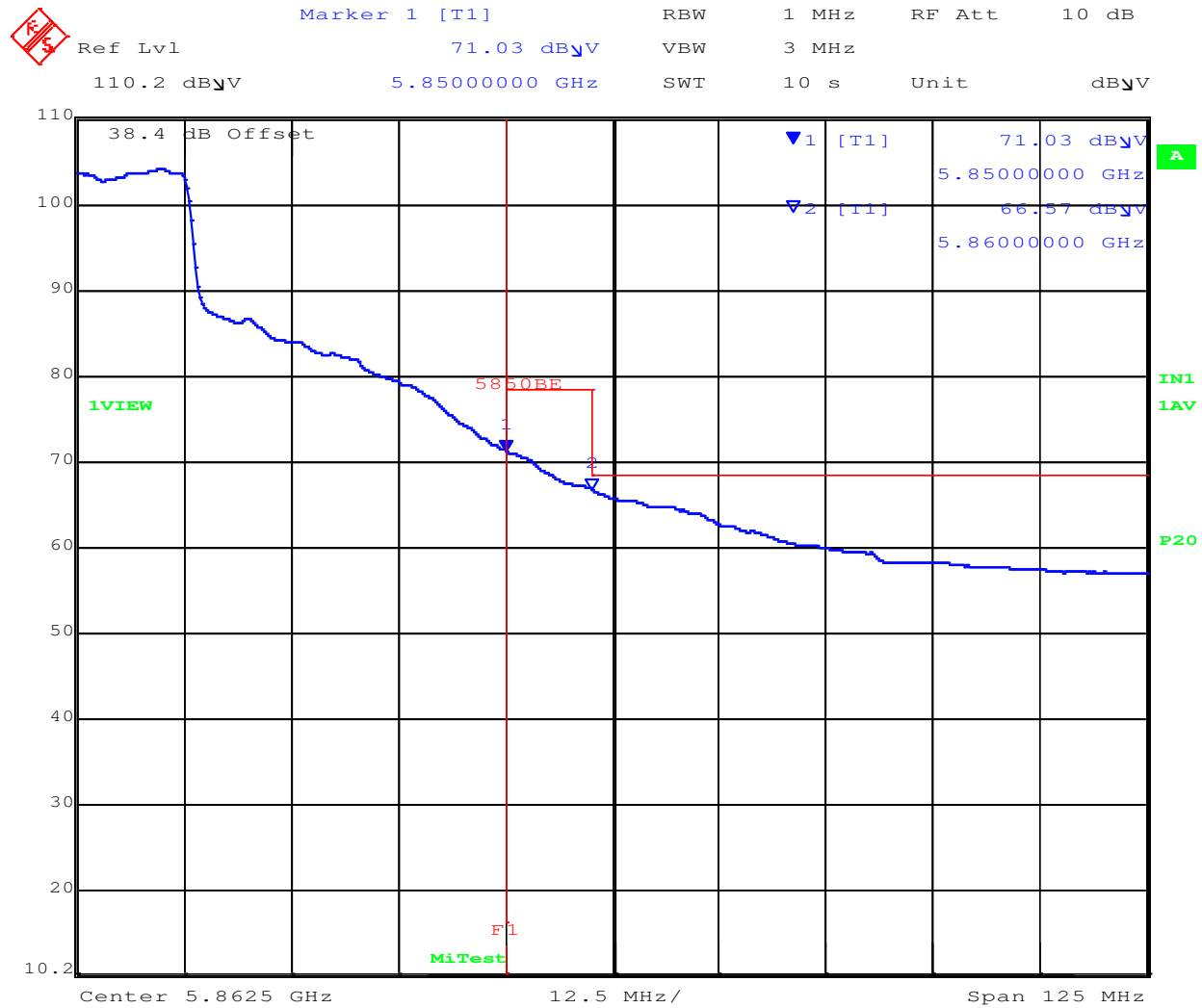


Date: 16.DEC.2015 09:21:49

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Restricted Band-Edge 5850 MHz
802.11HT-40



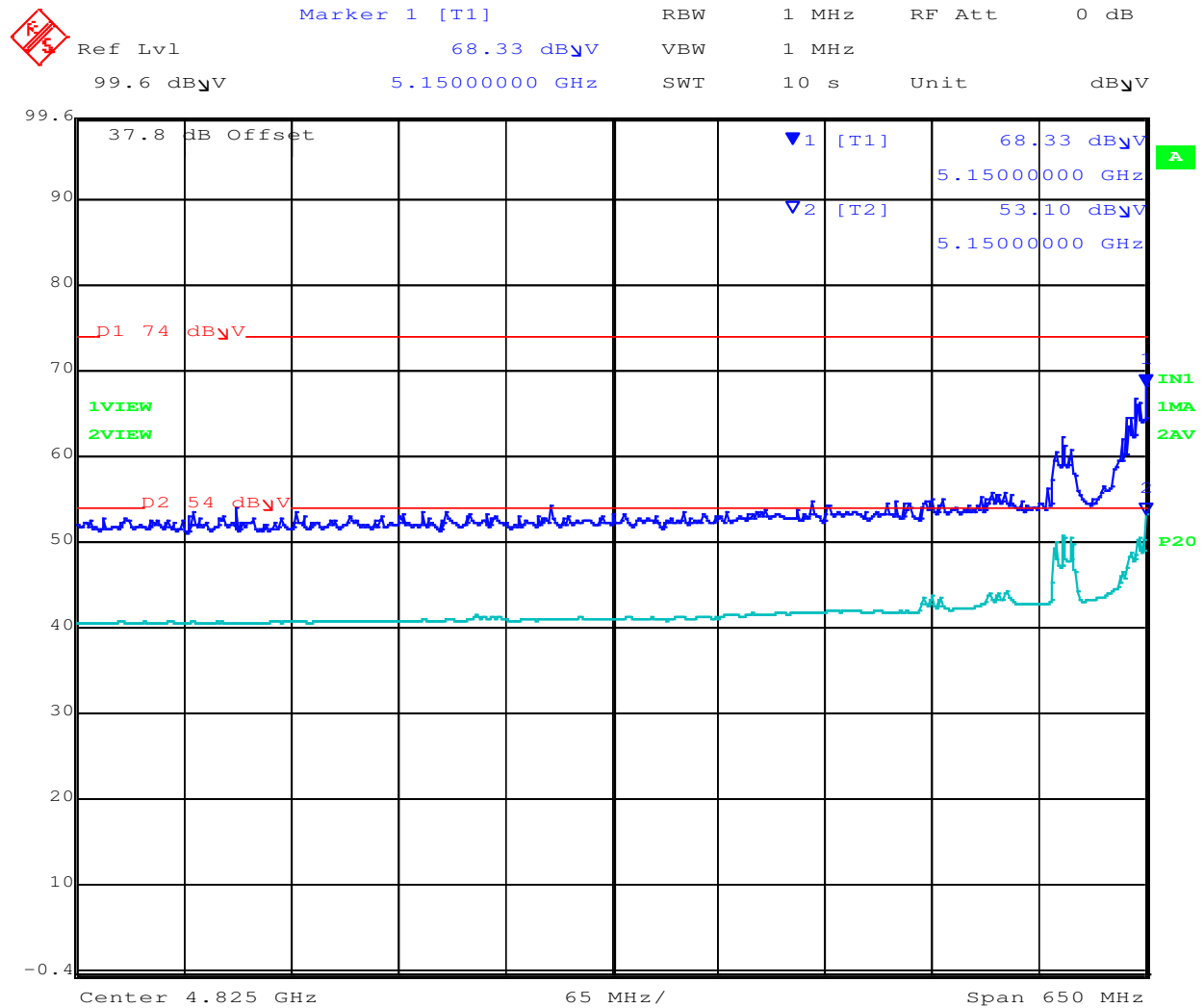
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A.4.6 AP-ANT-20

Restricted Band-Edge 5150 MHz
802.11a



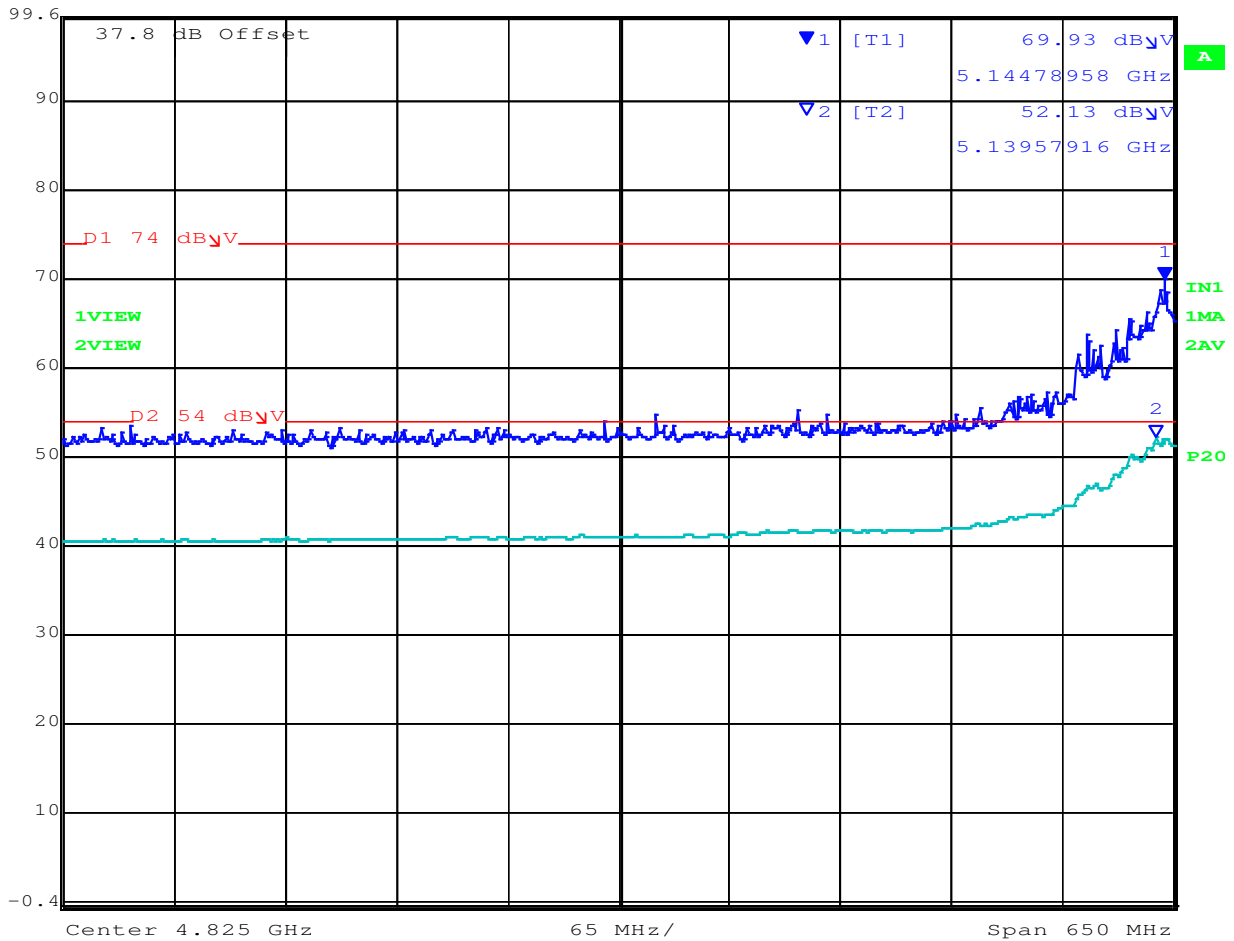
Date: 1 . JAN . 1997 01 : 24 : 54

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Restricted Band-Edge 5150 MHz
802.11ac-80

	Marker 1 [T1]	RBW	1 MHz	RF Att	0 dB
	Ref Lvl	69.93 dB μ V	VBW	1 MHz	
	99.6 dB μ V	5.14478958 GHz	SWT	10 s	Unit dB μ V

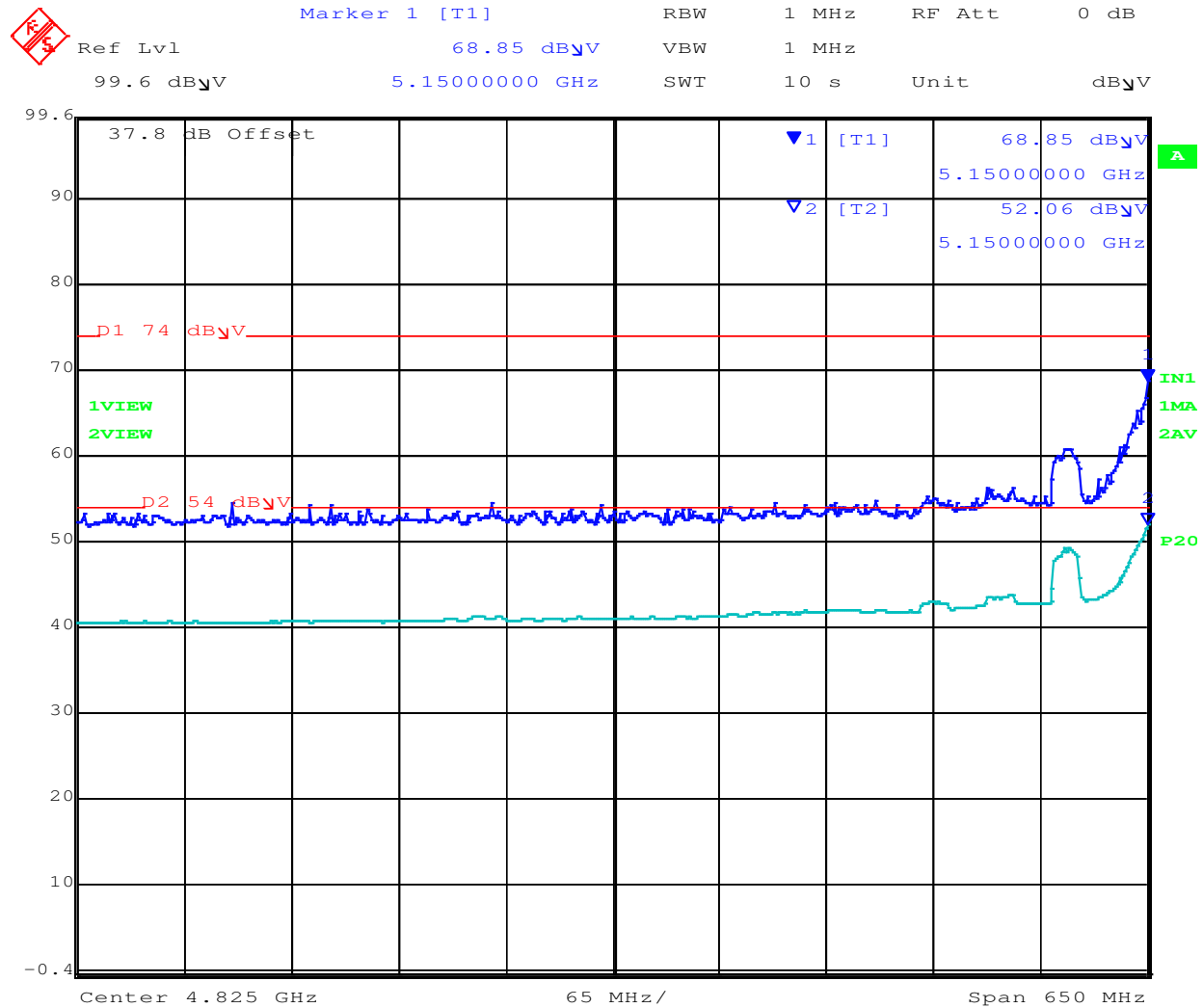


Date: 1.JAN.1997 01:17:17

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Restricted Band-Edge 5150 MHz
802.11HT-20



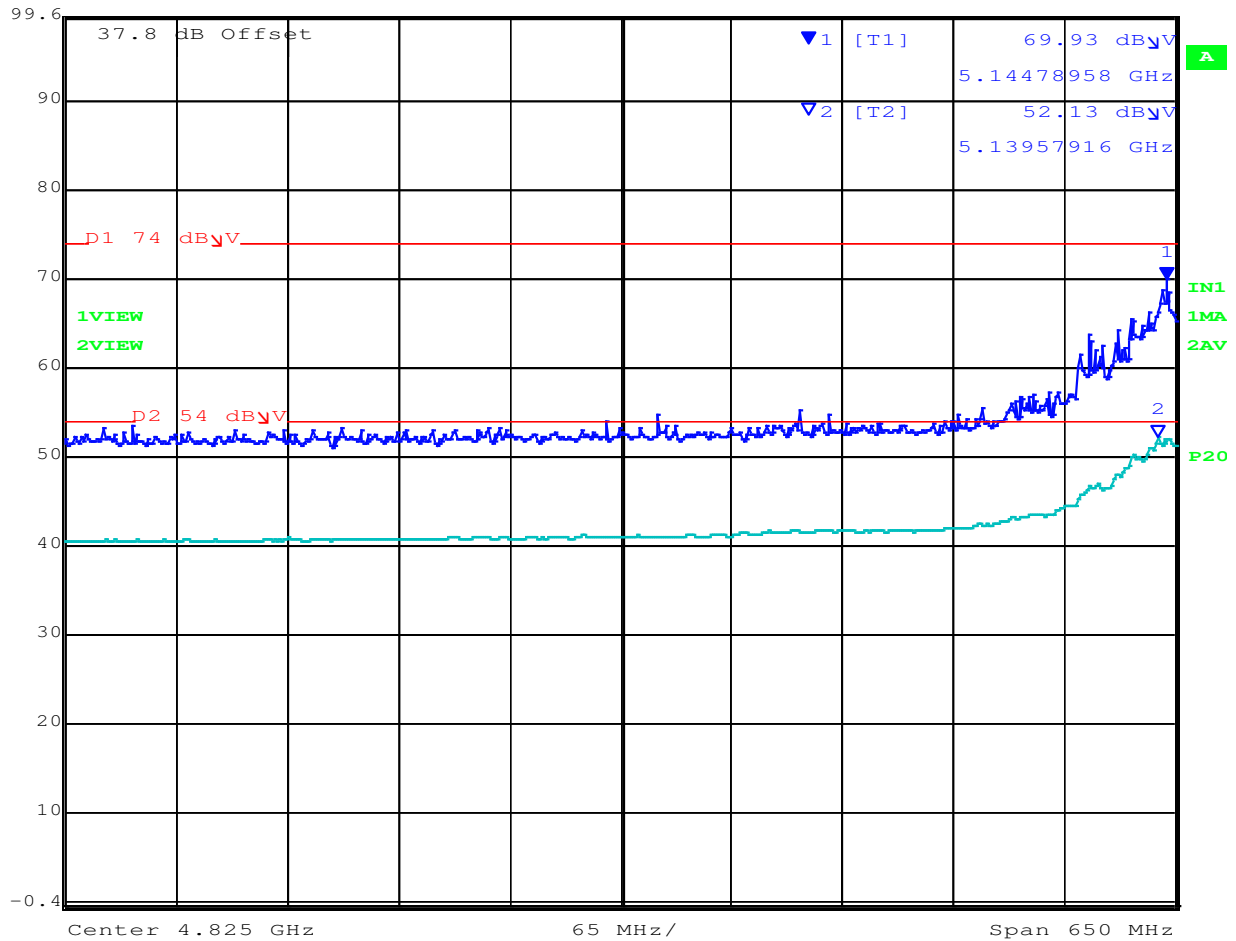
Date: 1.JAN.1997 01:26:42

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Restricted Band-Edge 5150 MHz
802.11HT-40

	Marker 1 [T1]	RBW	1 MHz	RF Att	0 dB
	Ref Lvl	69.93 dB μ V	VBW	1 MHz	
	99.6 dB μ V	5.14478958 GHz	SWT	10 s	Unit dB μ V



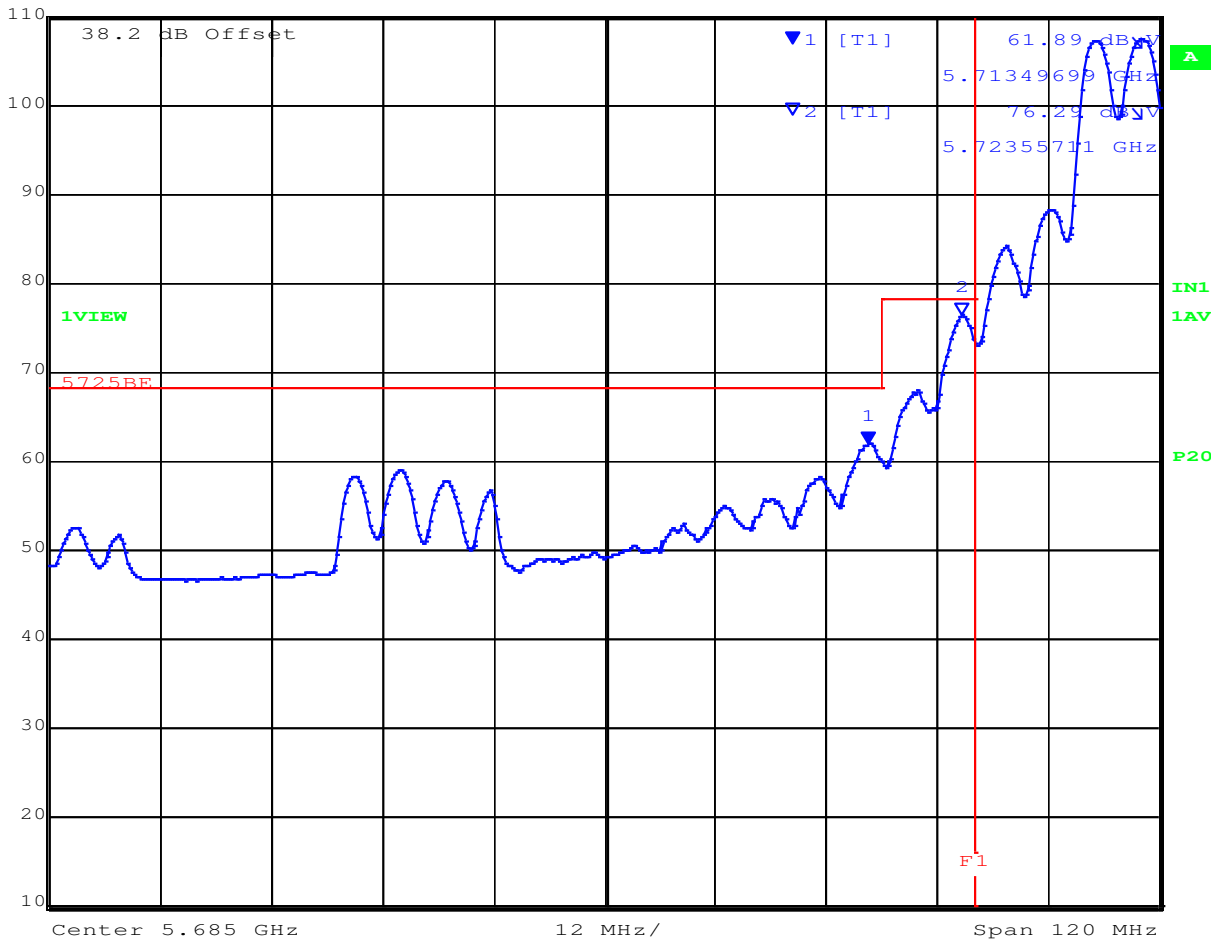
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Restricted Band-Edge 5725 MHz
802.11a

	Marker 1 [T1]	RBW	1 MHz	RF Att	0 dB
	Ref Lvl	61.89 dB μ V	VBW	1 MHz	
	110 dB μ V	5.71349699 GHz	SWT	20 s	Unit

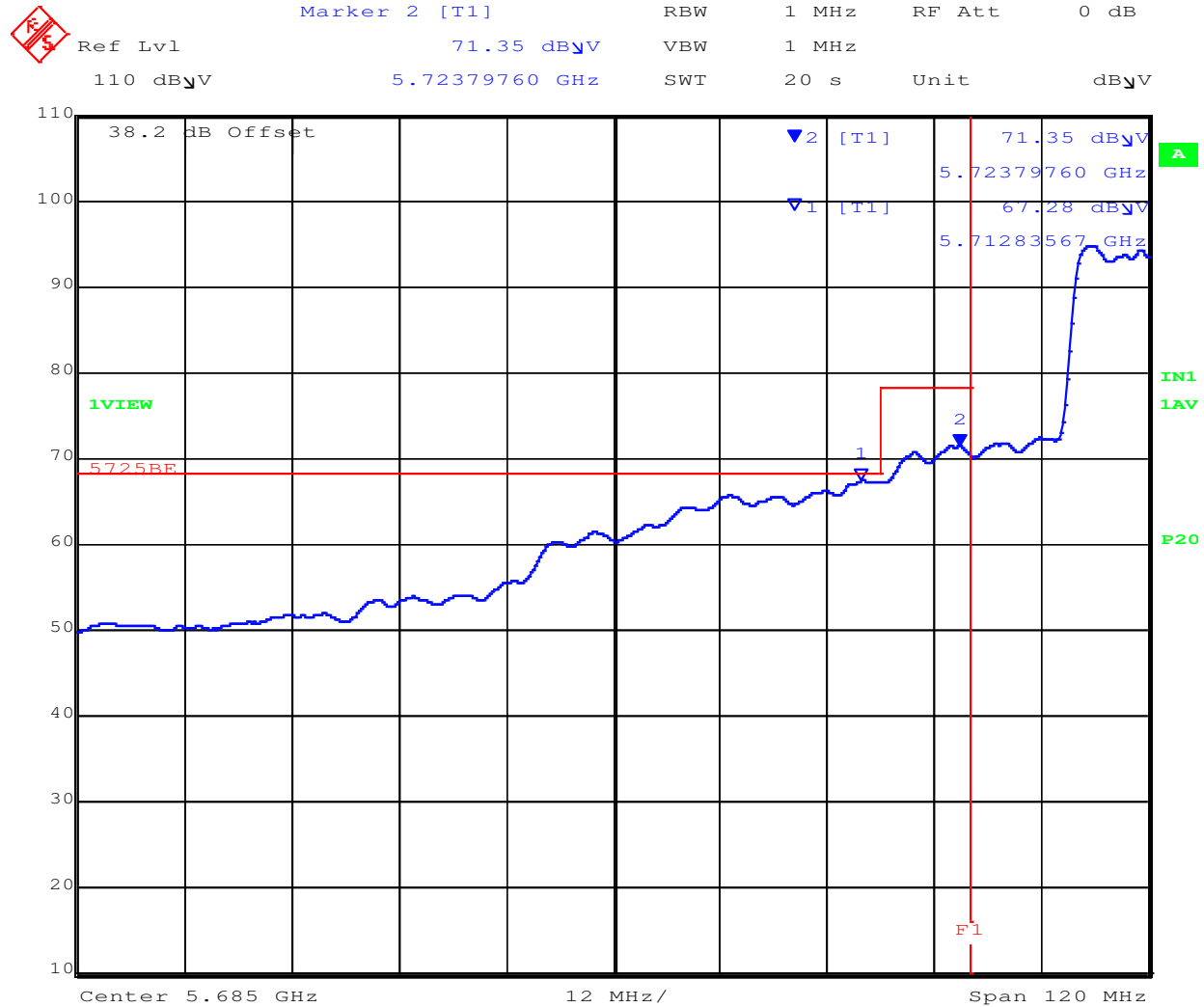


Date: 1.JAN.1997 00:19:50

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Restricted Band-Edge 5725 MHz
802.11ac-80

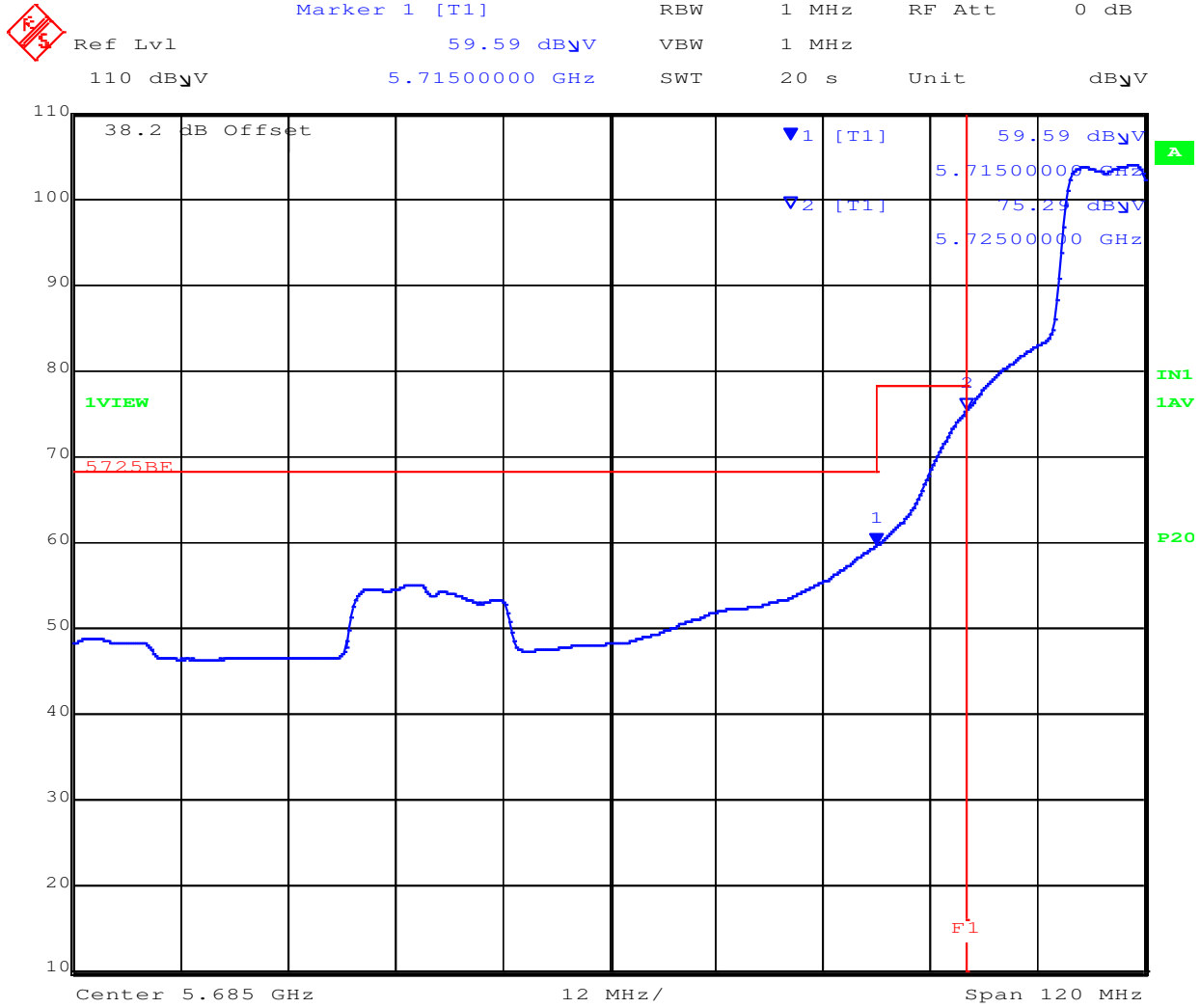


Date: 1.JAN.1997 00:54:27

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Restricted Band-Edge 5725 MHz
802.11HT-20



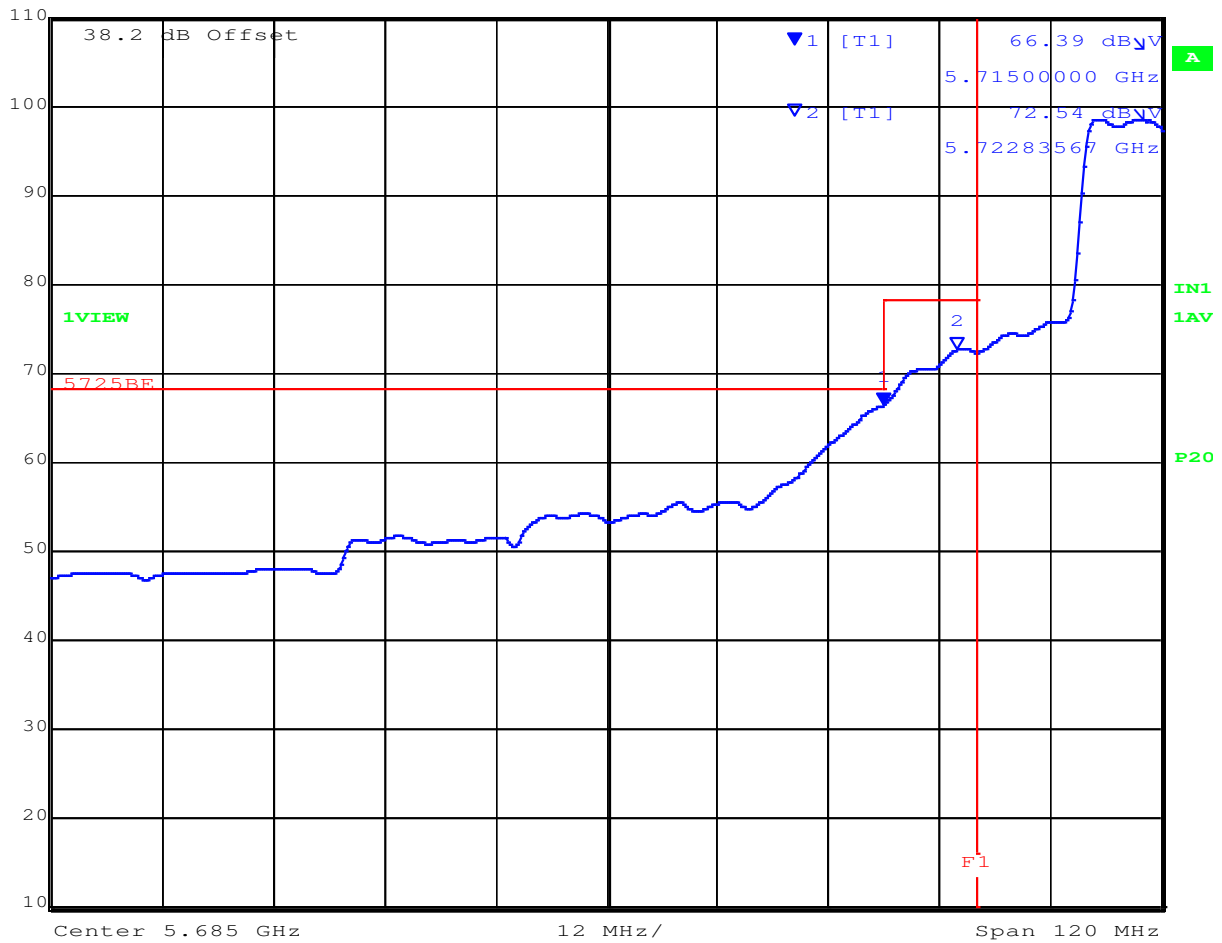
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Restricted Band-Edge 5725 MHz
802.11HT-40

Marker 1 [T1] RBW 1 MHz RF Att 0 dB
Ref Lvl 66.39 dB μ V VBW 1 MHz
110 dB μ V 5.7150000 GHz SWT 20 s Unit dB μ V



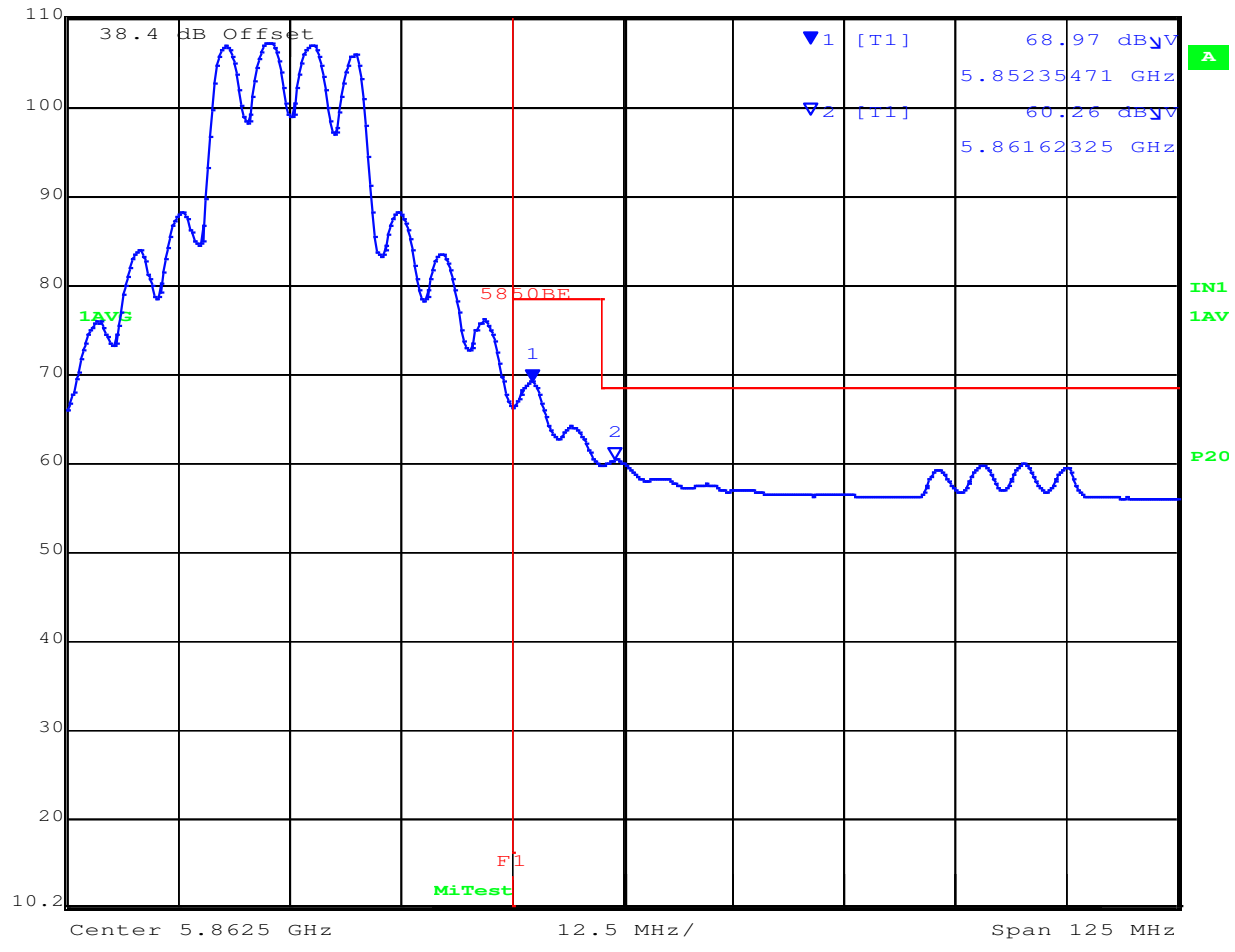
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Restricted Band-Edge 5850 MHz
802.11a

	Marker 1 [T1]	RBW	1 MHz	RF Att	10 dB
	Ref Lvl	68.97 dB μ V	VBW	3 MHz	
	110.2 dB μ V	5.85235471 GHz	SWT	20 s	Unit dB μ V



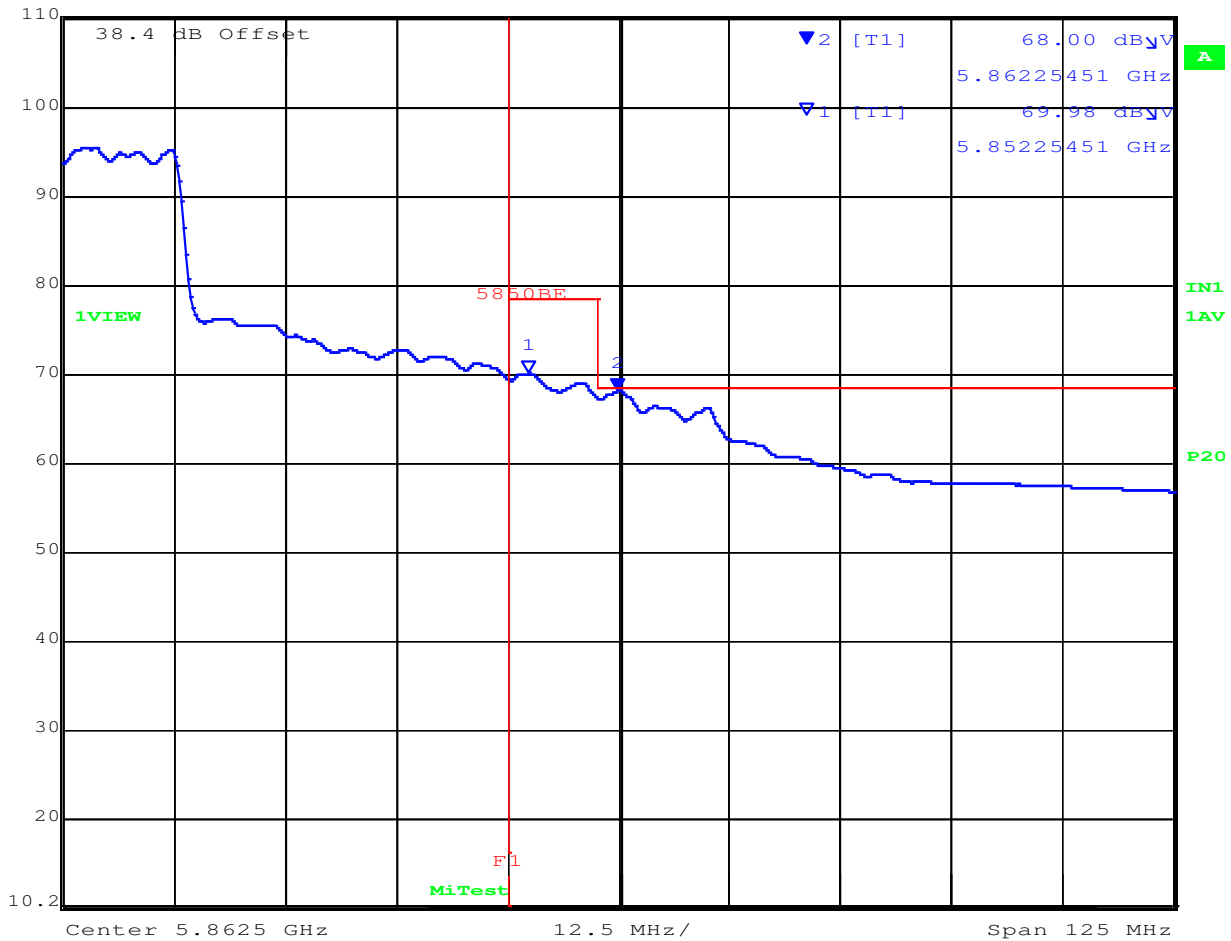
Date: 14.DEC.2015 19:37:44

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Restricted Band-Edge 5850 MHz
802.11ac-80

	Marker 2 [T1]	RBW	1 MHz	RF Att	10 dB
	Ref Lvl	68.00 dB μ V	VBW	3 MHz	
	110.2 dB μ V	5.86225451 GHz	SWT	20 s	Unit dB μ V



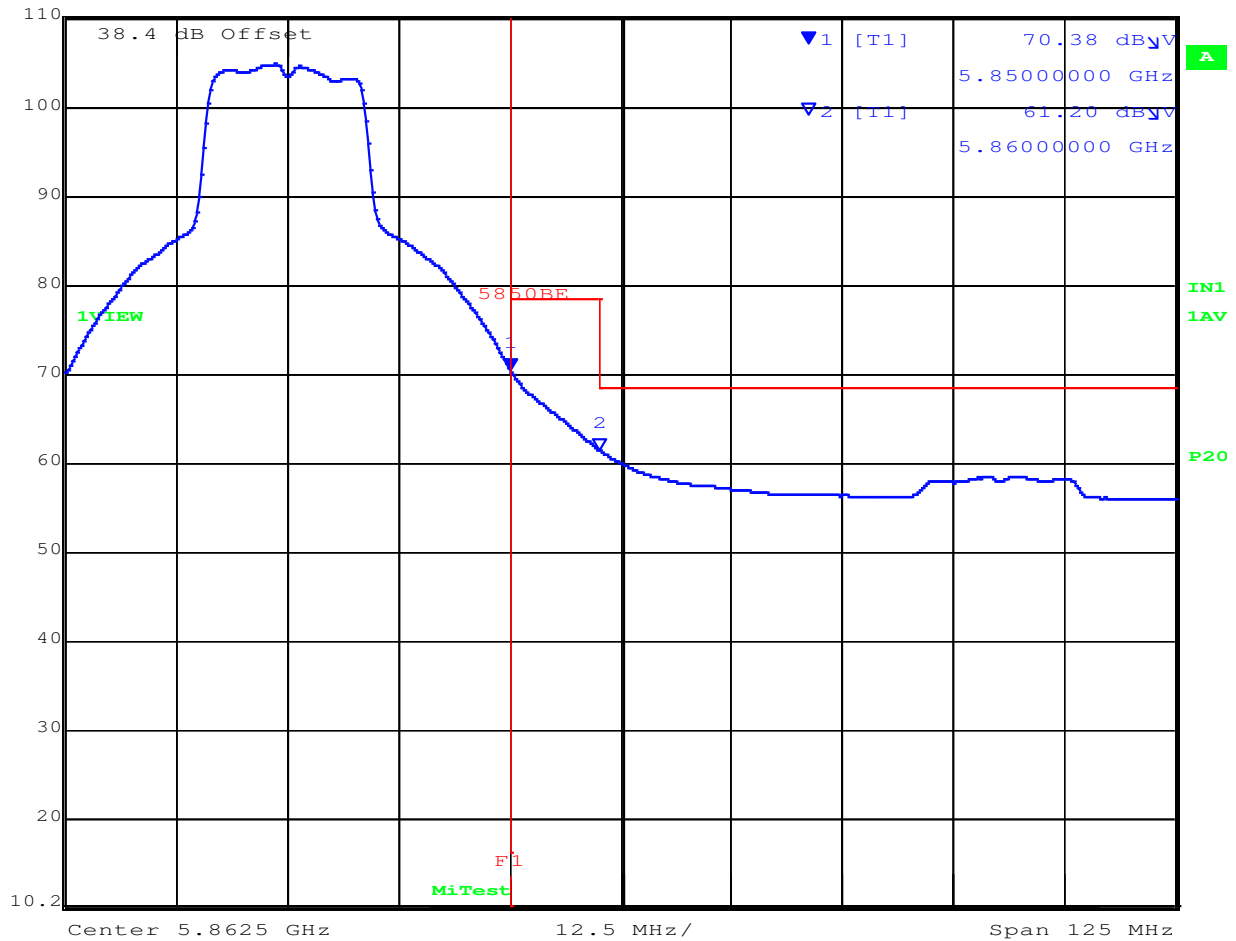
Date: 14.DEC.2015 19:54:01

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Restricted Band-Edge 5850 MHz
802.11HT-20

	Marker 1 [T1]	RBW	1 MHz	RF Att	10 dB
	Ref Lvl	70.38 dB μ V	VBW	3 MHz	
	110.2 dB μ V	5.8500000 GHz	SWT	20 s	Unit dB μ V



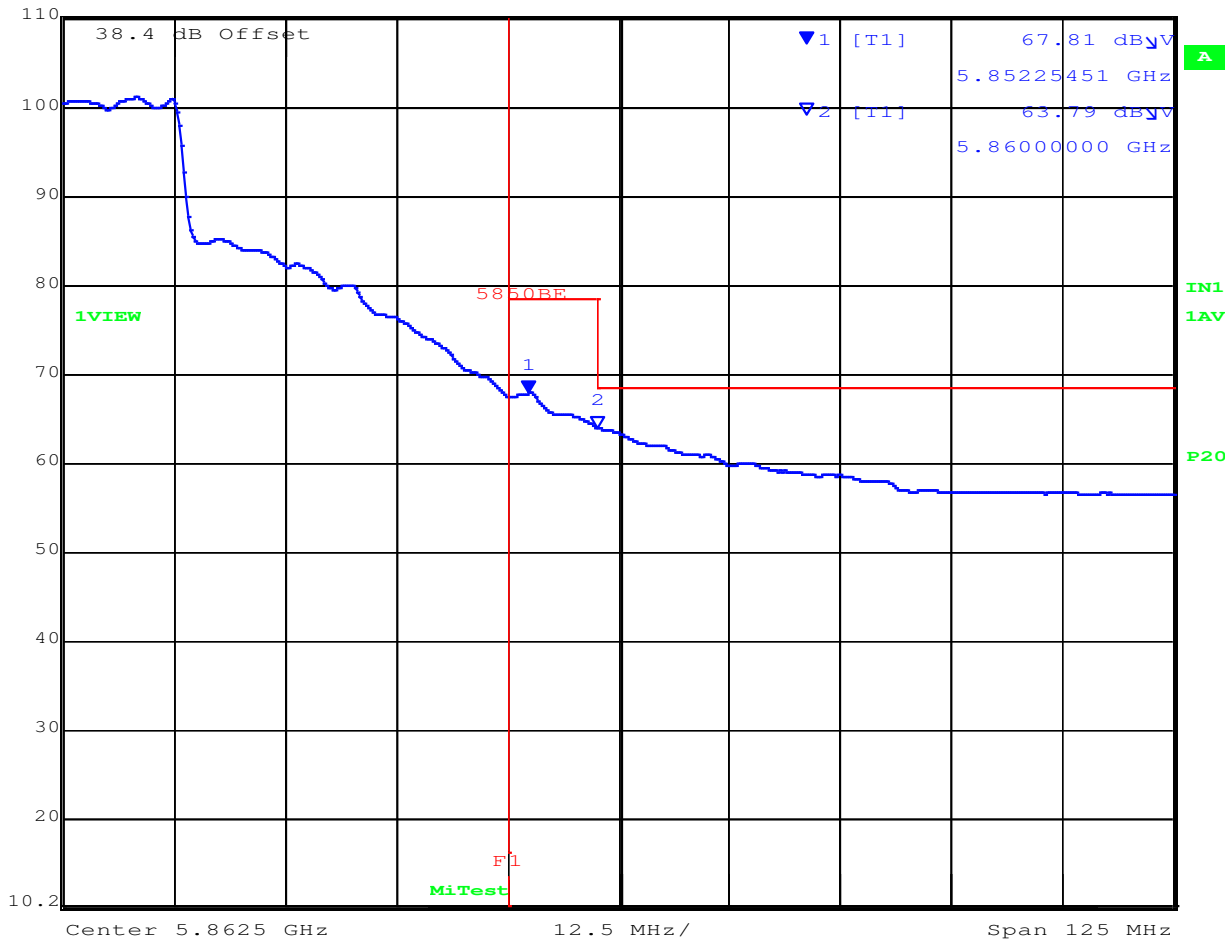
Date: 14.DEC.2015 19:41:19

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Restricted Band-Edge 5850 MHz
802.11HT-40

	Marker 1 [T1]	RBW	1 MHz	RF Att	10 dB
	Ref Lvl	67.81 dB μ V	VBW	3 MHz	
	110.2 dB μ V	5.85225451 GHz	SWT	20 s	Unit



Date: 14.DEC.2015 19:46:31

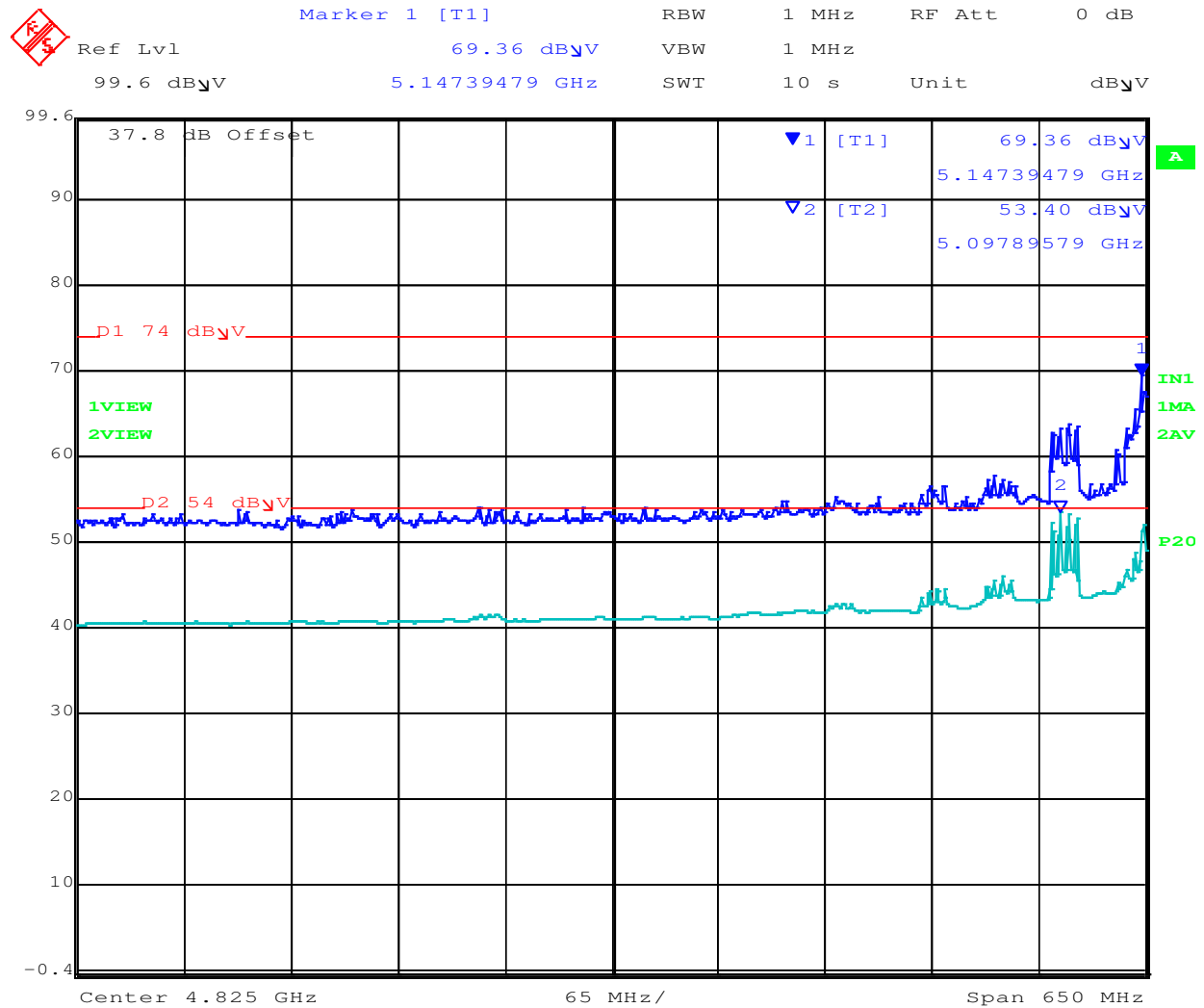
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A.4.7 Integral (APIN0205)

Restricted Band-Edge 5150 MHz

802.11a

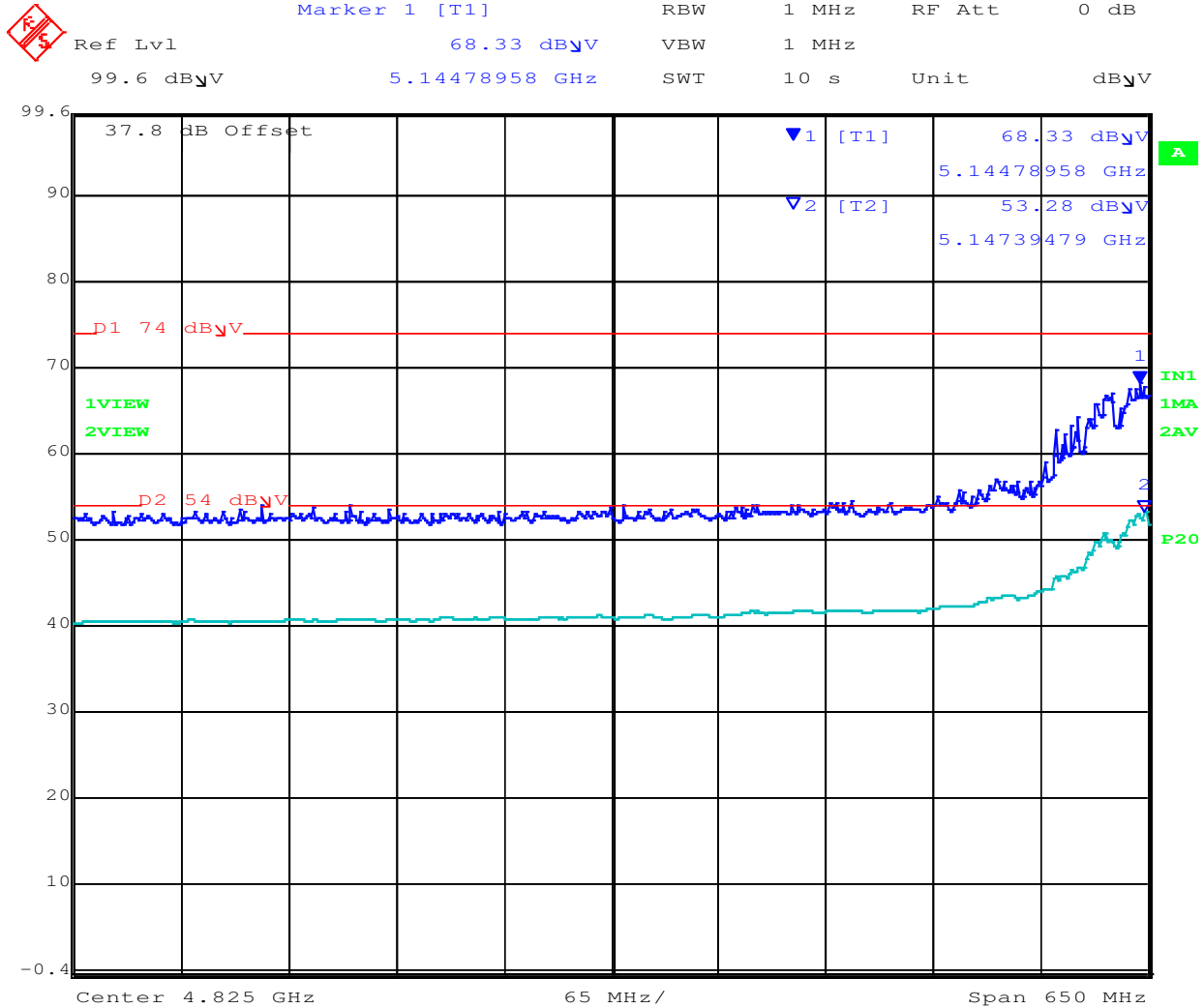


Date: 16.DEC.2015 12:01:10

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Restricted Band-Edge 5150 MHz
802.11ac-80



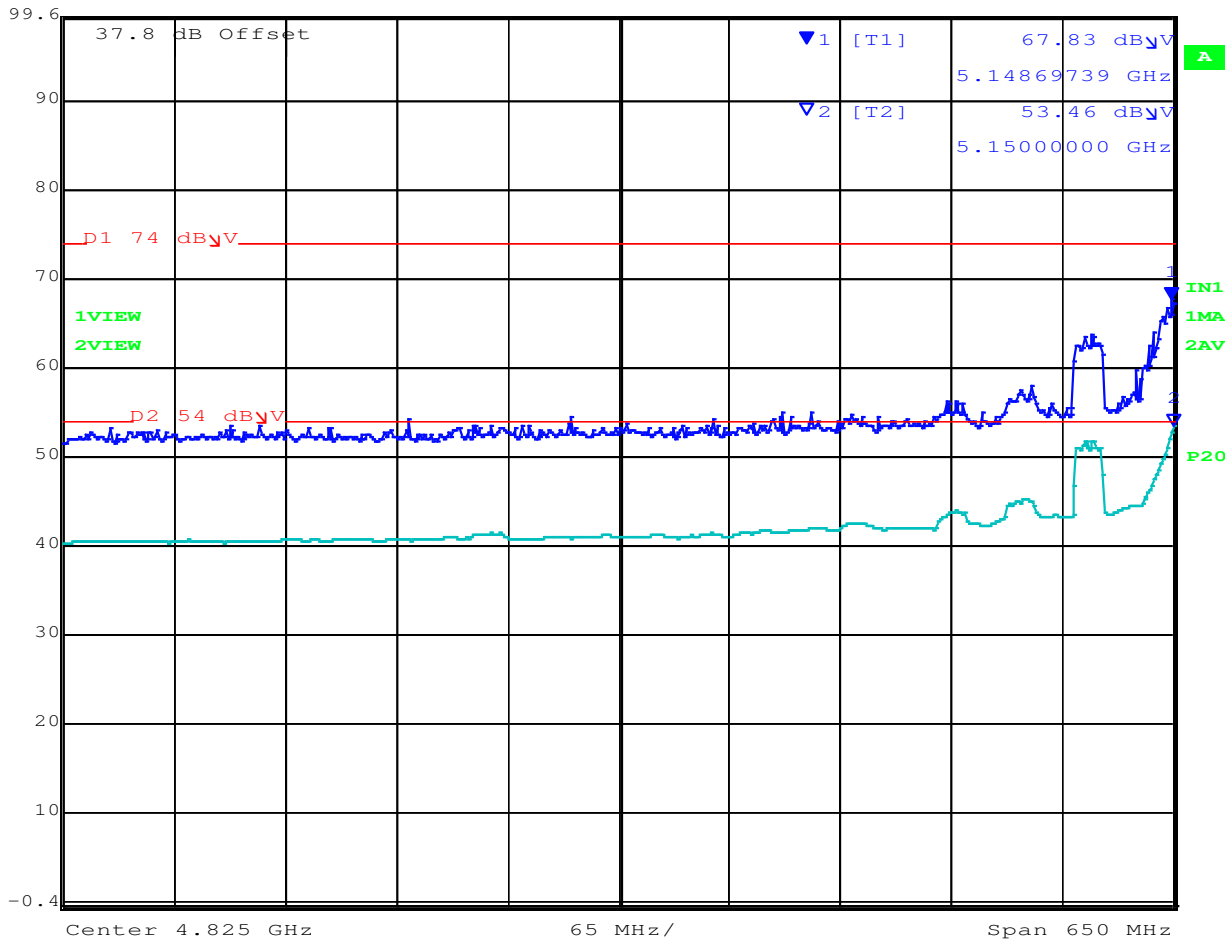
Date: 16.DEC.2015 12:04:00

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Restricted Band-Edge 5150 MHz
802.11HT-20

	Marker 1 [T1]	RBW	1 MHz	RF Att	0 dB
	Ref Lvl	67.83 dB μ V	VBW	1 MHz	
	99.6 dB μ V	5.14869739 GHz	SWT	10 s	Unit



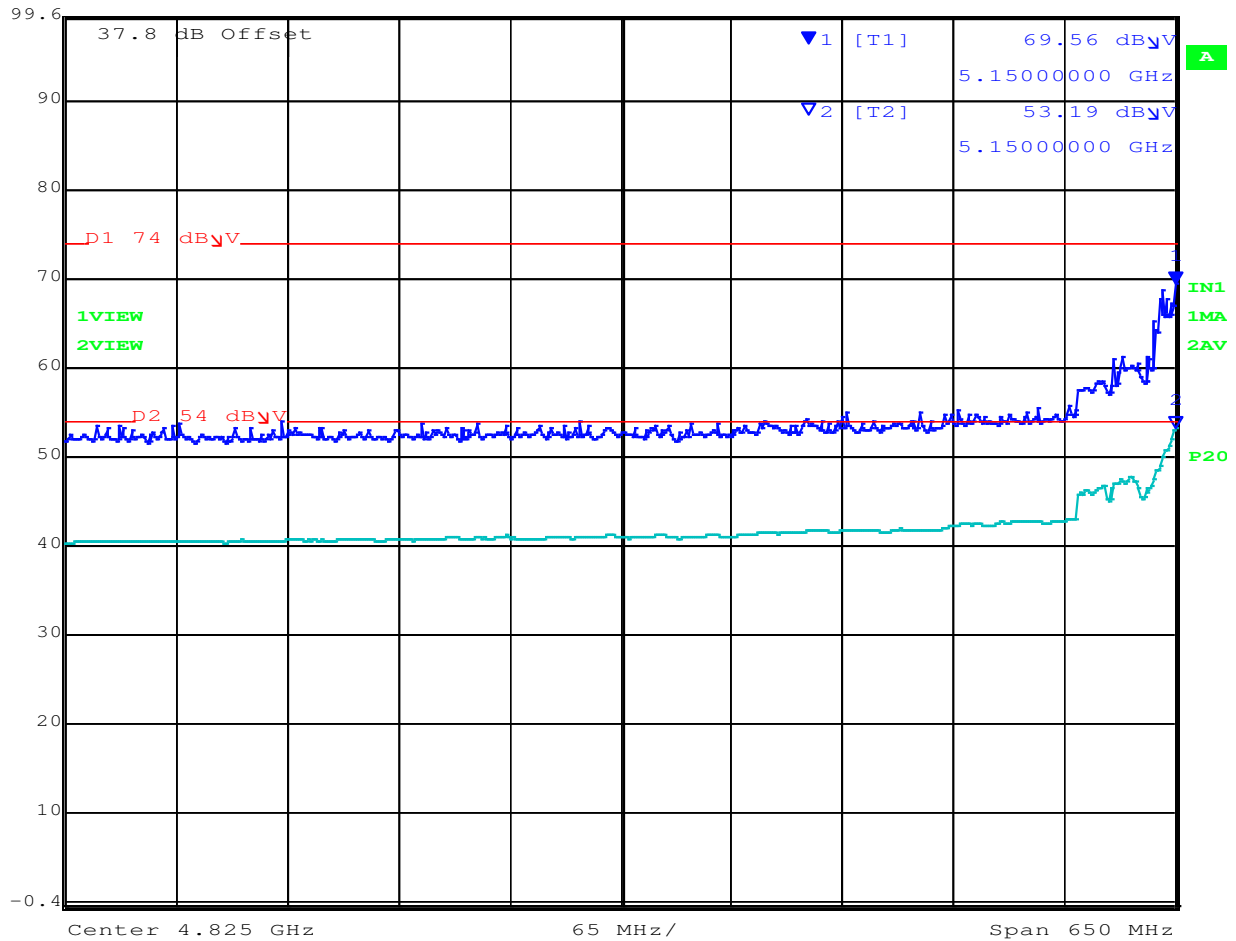
Date: 16.DEC.2015 11:56:24

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Restricted Band-Edge 5150 MHz
802.11HT-40

	Marker 1 [T1]	RBW	1 MHz	RF Att	0 dB
	Ref Lvl	69.56 dB μ V	VBW	1 MHz	
	99.6 dB μ V	5.1500000 GHz	SWT	10 s	Unit



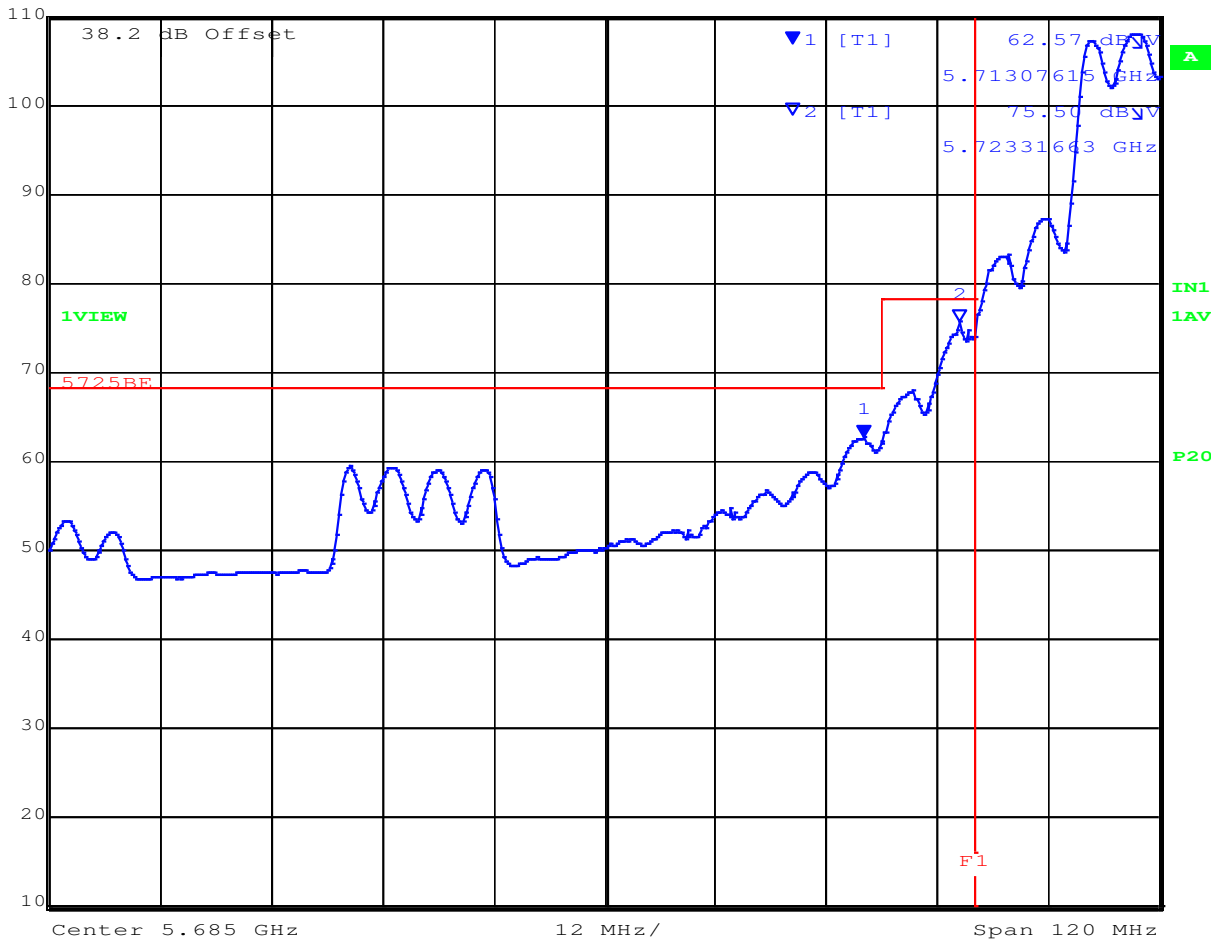
Date: 16.DEC.2015 11:54:20

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Restricted Band-Edge 5725 MHz
802.11a

	Marker 1 [T1]	RBW	1 MHz	RF Att	0 dB
	Ref Lvl	62.57 dB μ V	VBW	1 MHz	
	110 dB μ V	5.71307615 GHz	SWT	10 s	Unit



Date: 16.DEC.2015 12:41:53

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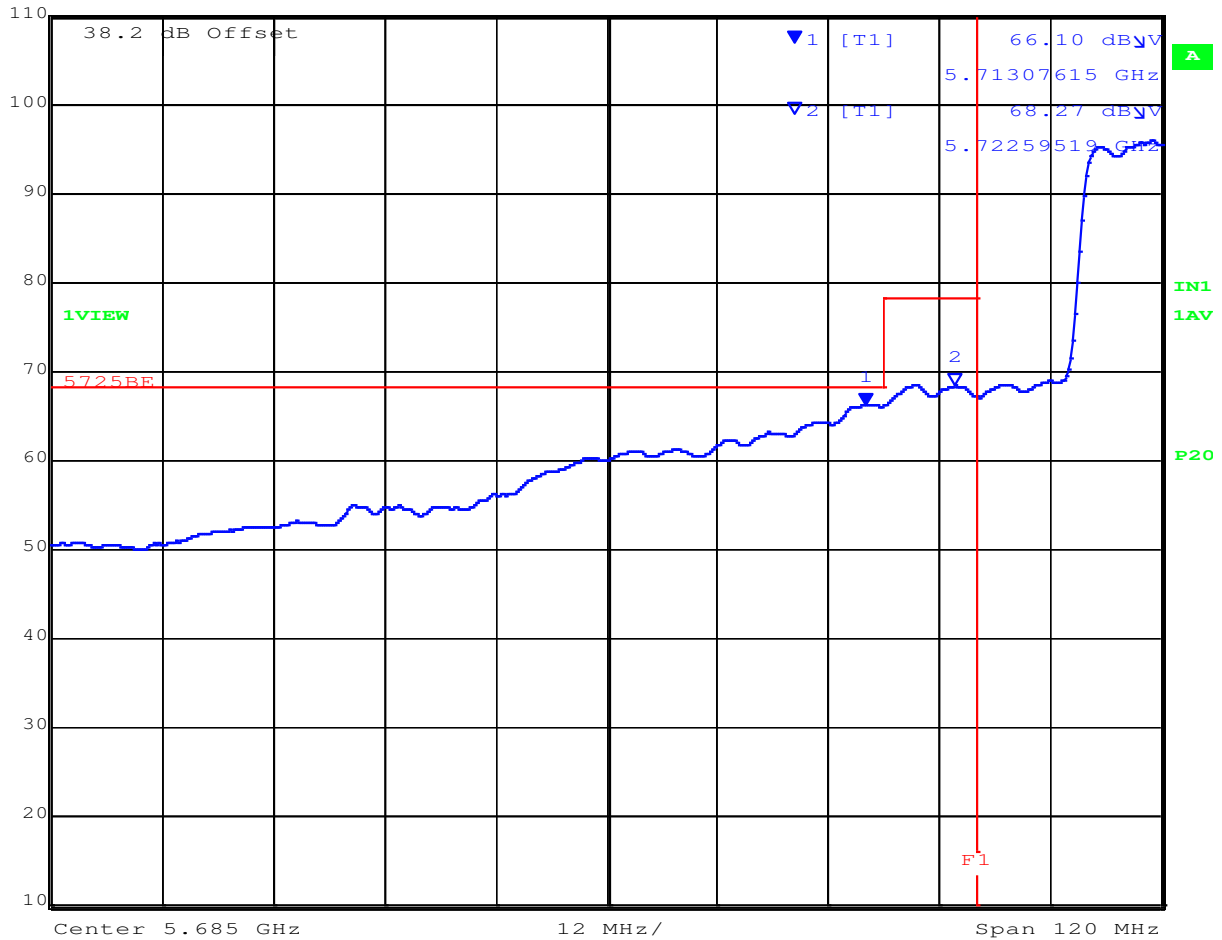


Restricted Band-Edge 5725 MHz

802.11ac-80



Marker 1 [T1] RBW 1 MHz RF Att 0 dB
Ref Lvl 66.10 dB μ V VBW 1 MHz
110 dB μ V 5.71307615 GHz SWT 10 s Unit dB μ V



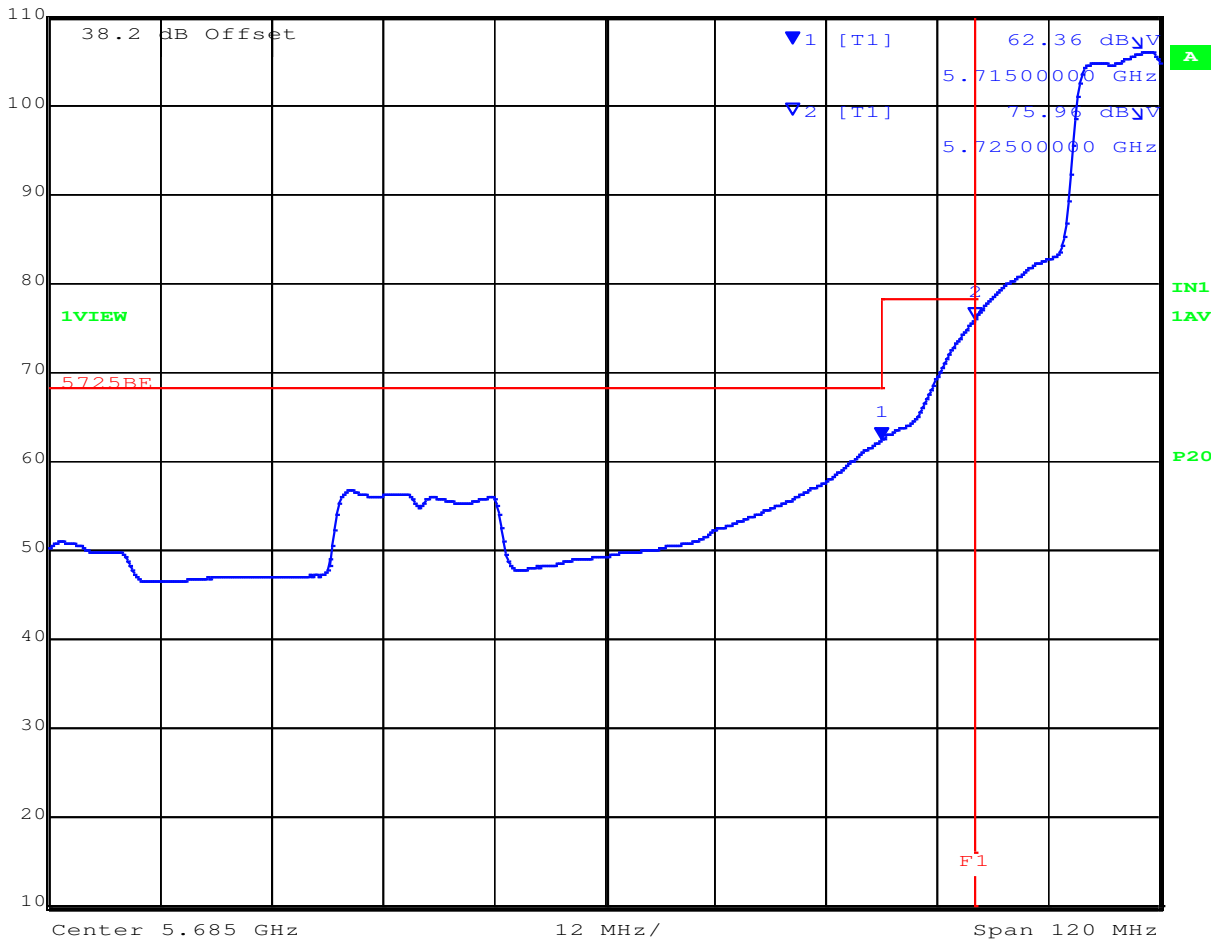
Date: 16.DEC.2015 12:54:01

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Restricted Band-Edge 5725 MHz
802.11HT-20

	Marker 1 [T1]	RBW	1 MHz	RF Att	0 dB
	Ref Lvl	62.36 dB μ V	VBW	1 MHz	
	110 dB μ V	5.7150000 GHz	SWT	10 s	Unit




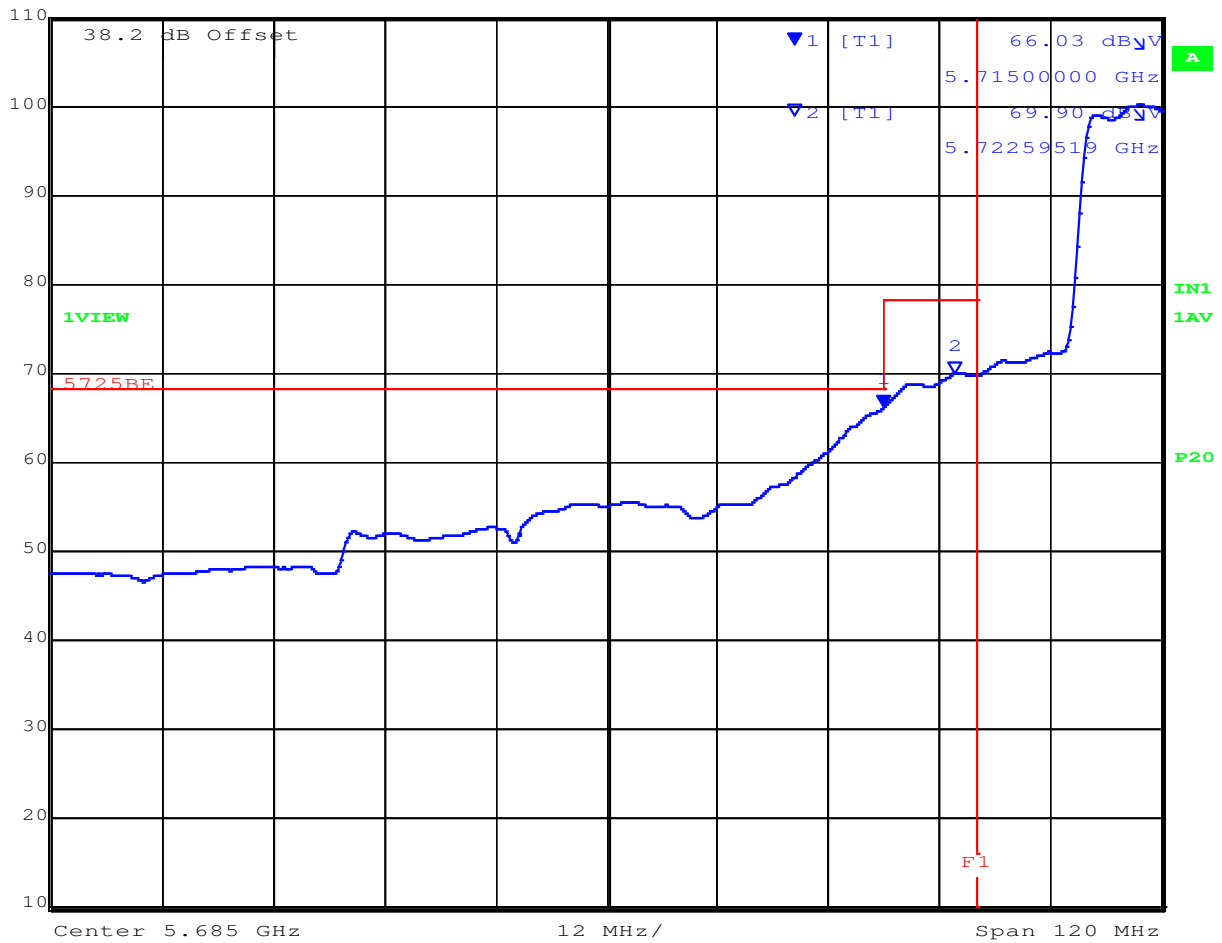
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Restricted Band-Edge 5725 MHz
802.11HT-40

 Marker 1 [T1] RBW 1 MHz RF Att 0 dB
Ref Lvl 66.03 dB μ V VBW 1 MHz
110 dB μ V 5.7150000 GHz SWT 10 s Unit dB μ V



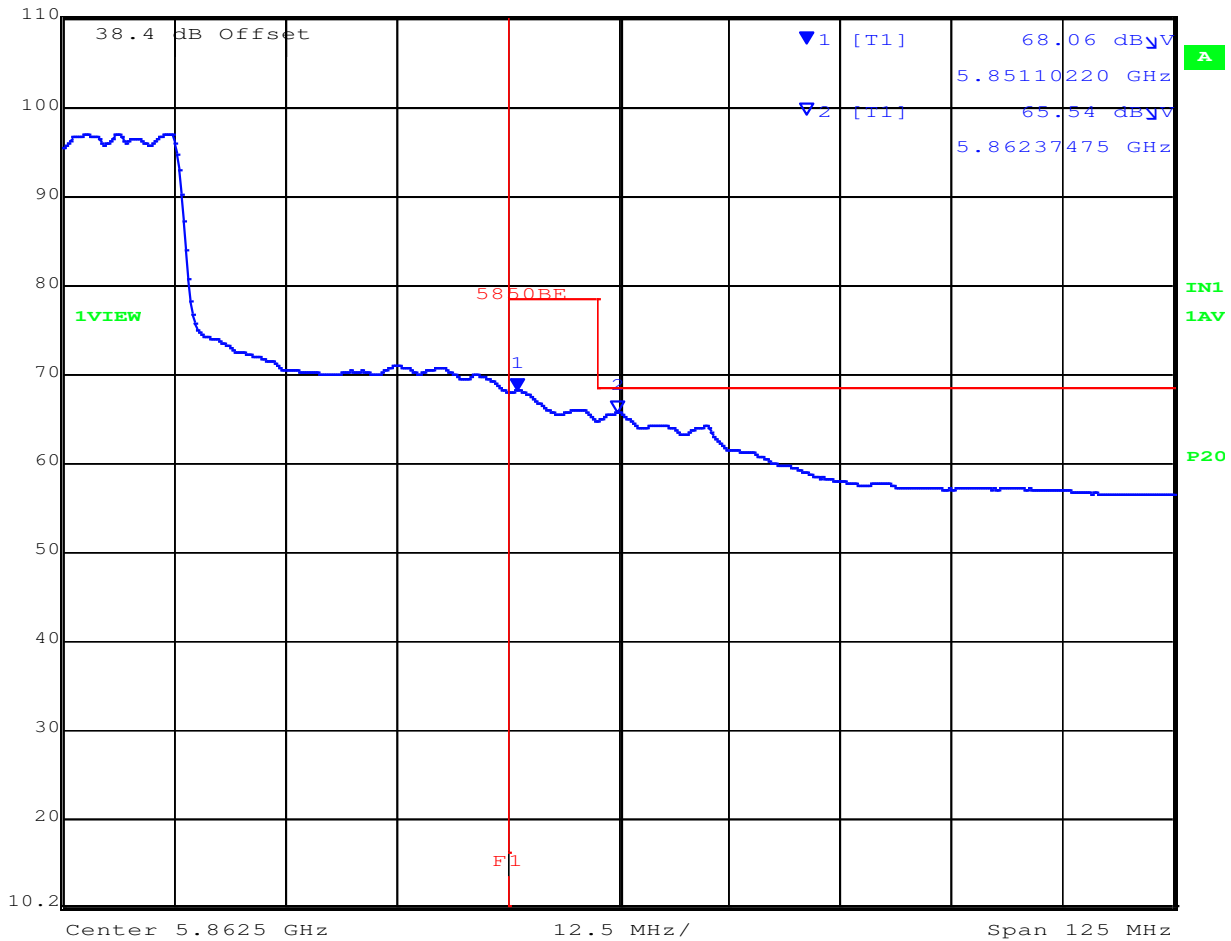
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Restricted Band-Edge 5850 MHz
802.11ac-80

	Marker 1 [T1]	RBW	1 MHz	RF Att	10 dB
	Ref Lvl	68.06 dB μ V	VBW	3 MHz	
	110.2 dB μ V	5.85110220 GHz	SWT	10 s	Unit

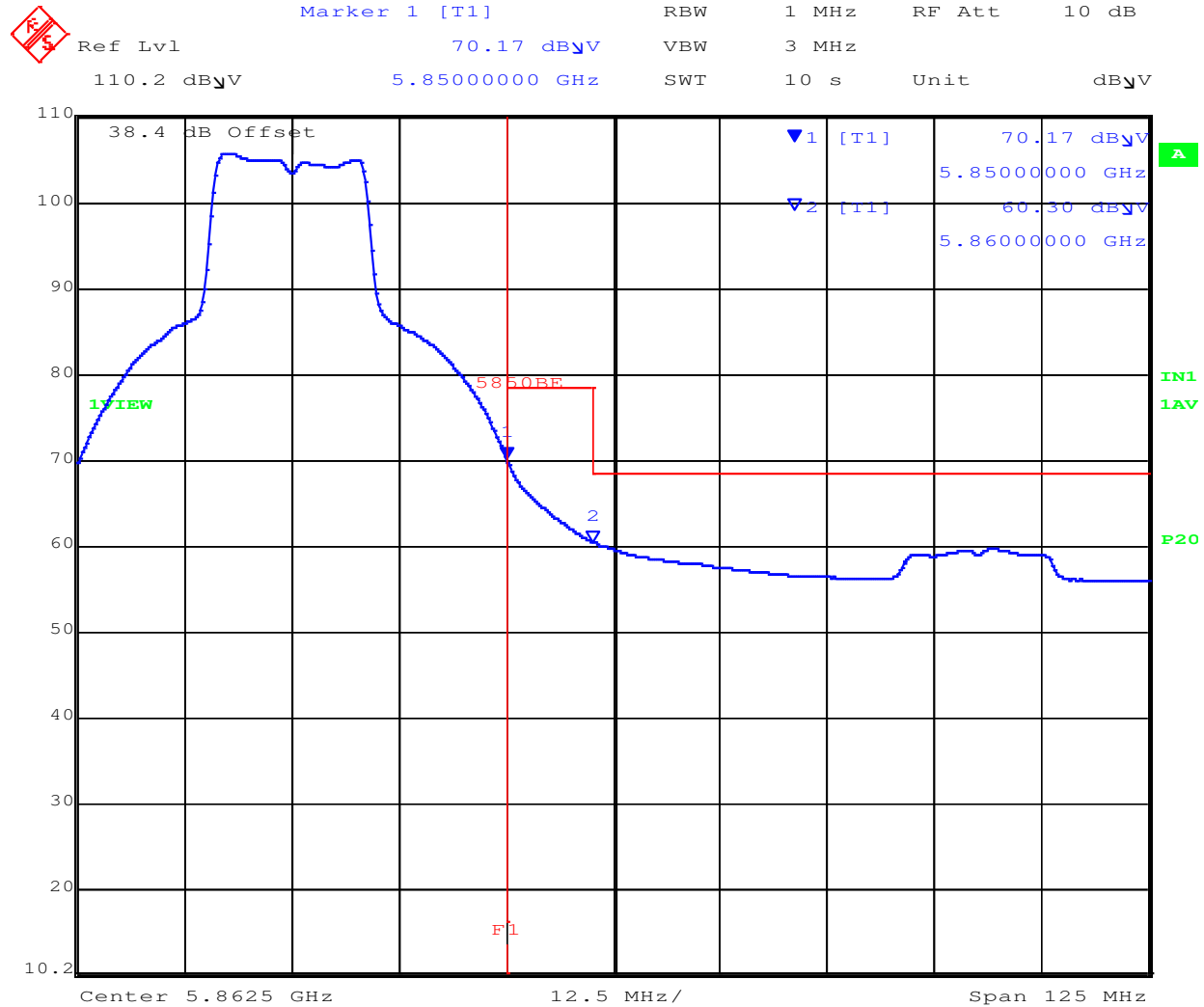


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Restricted Band-Edge 5850 MHz
802.11HT-20



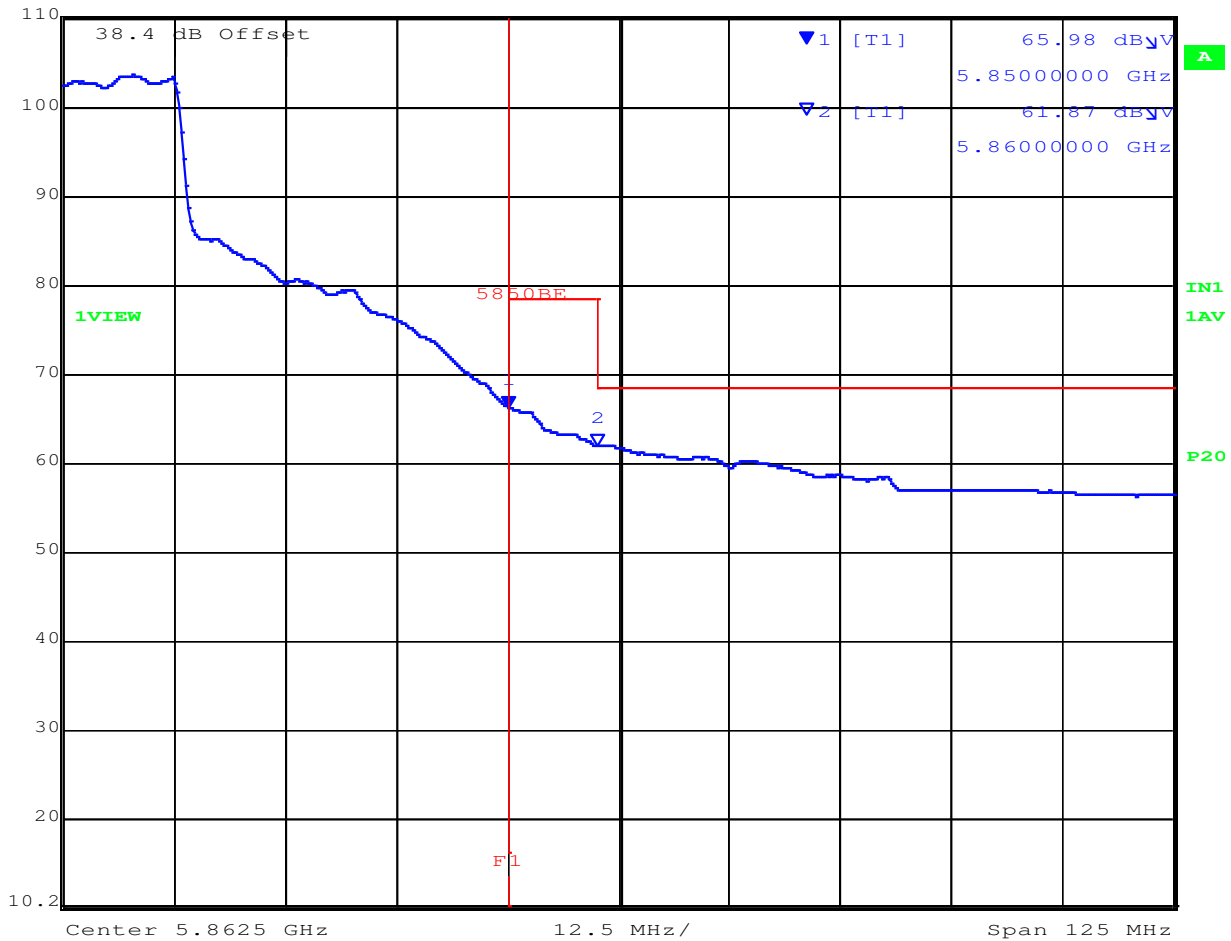
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Restricted Band-Edge 5850 MHz
802.11HT-40

	Marker 1 [T1]	RBW	1 MHz	RF Att	10 dB
	Ref Lvl	65.98 dB μ V	VBW	3 MHz	
	110.2 dB μ V	5.8500000 GHz	SWT	10 s	Unit dB μ V



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