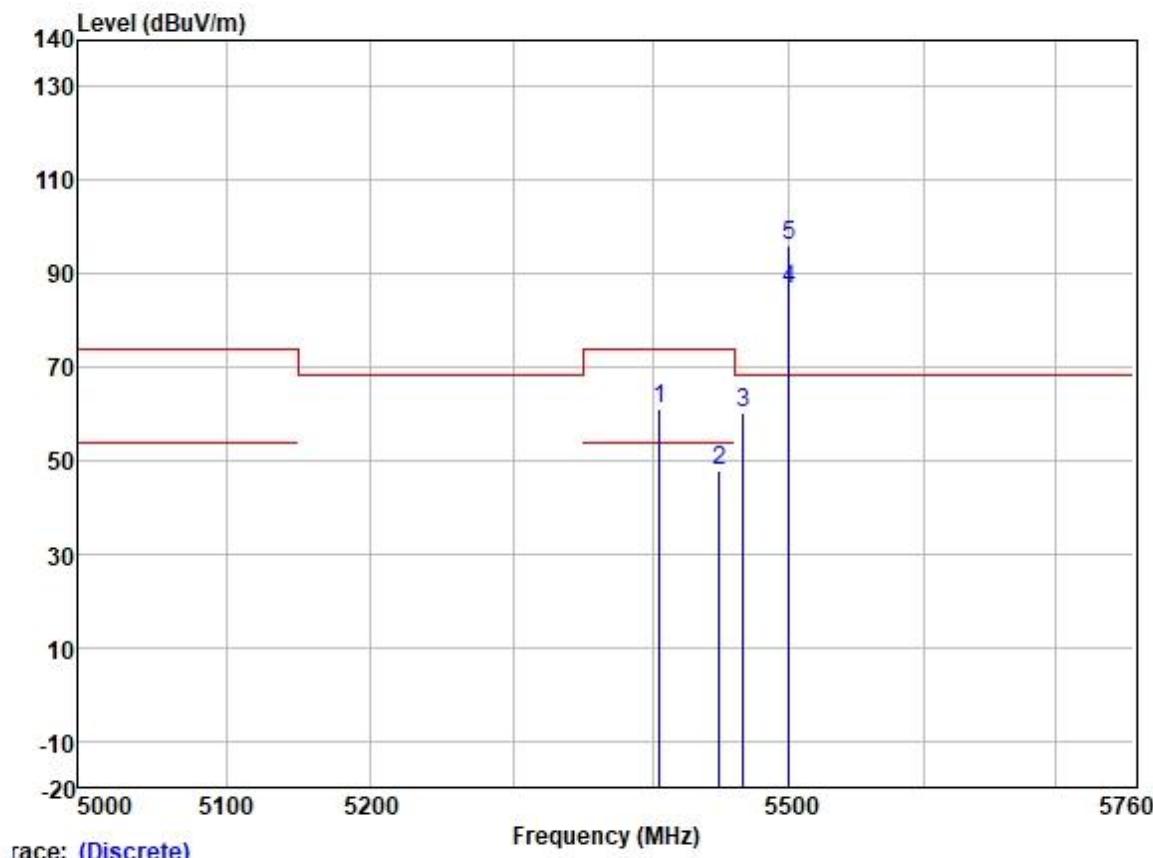


Test Mode: 38; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Freq	ReadAntenna		Cable		Preamp		Limit	Over	Pol/Phase	Remark
	Level	Factor	Loss	Factor	Level	dBuV/m	dBuV/m	dB		
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1 5405.106	60.30	31.79	6.06	36.88	61.27	74.00	-12.73	HORIZONTAL	Peak	
2 5448.522	46.74	31.79	6.26	36.88	47.91	54.00	-6.09	HORIZONTAL	Average	
3 5465.673	58.78	31.80	6.31	36.88	60.01	68.20	-8.19	HORIZONTAL	Peak	
4 5500.000	85.46	31.80	6.40	36.88	86.78	-----	-----	HORIZONTAL	Average	
5 * 5500.000	94.70	31.80	6.40	36.88	96.02	68.20	27.82	HORIZONTAL	Peak	

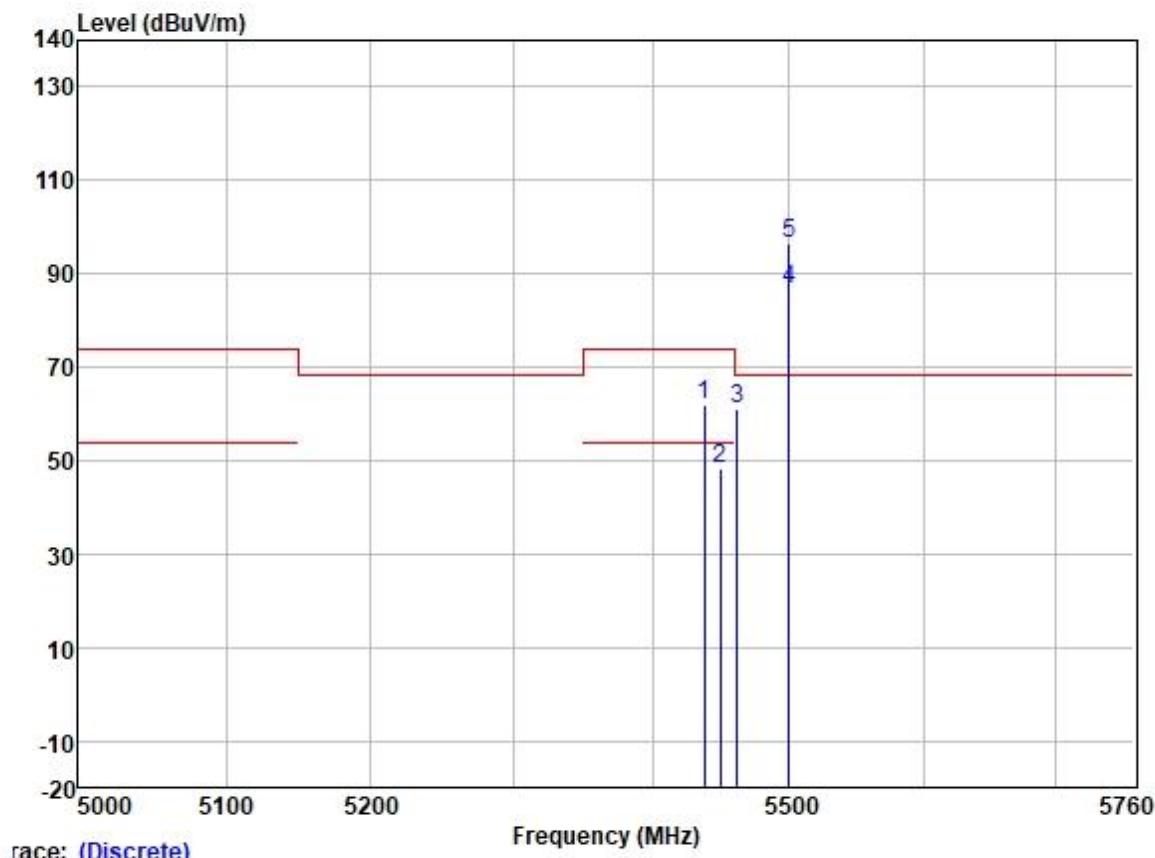
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Test Mode: 38; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Mode: (Discrete)

Freq	ReadAntenna		Cable		Preamp	Limit	Over	Line	Limit	Pol/Phase	Remark
	Level	Factor	Loss	Factor							
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB				
1	5437.396	60.73	31.79	6.20	36.88	61.84	74.00	-12.16	VERTICAL	Peak	
2	5449.121	47.05	31.79	6.26	36.88	48.22	54.00	-5.78	VERTICAL	Average	
3	5461.351	59.85	31.79	6.26	36.88	61.02	68.20	-7.18	VERTICAL	Peak	
4	5500.000	85.27	31.80	6.40	36.88	86.59	-----	-----	VERTICAL	Average	
5 *	5500.000	95.27	31.80	6.40	36.88	96.59	68.20	28.39	VERTICAL	Peak	

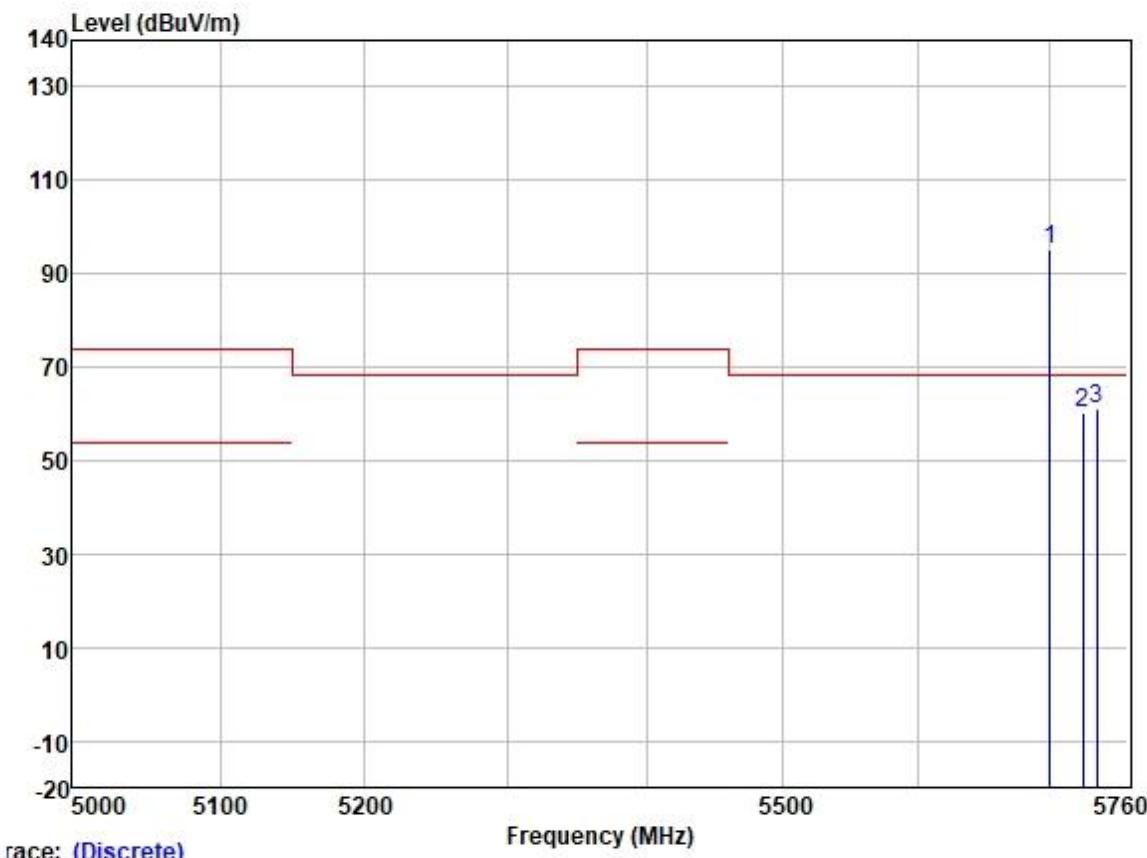
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Test Mode: 38; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High

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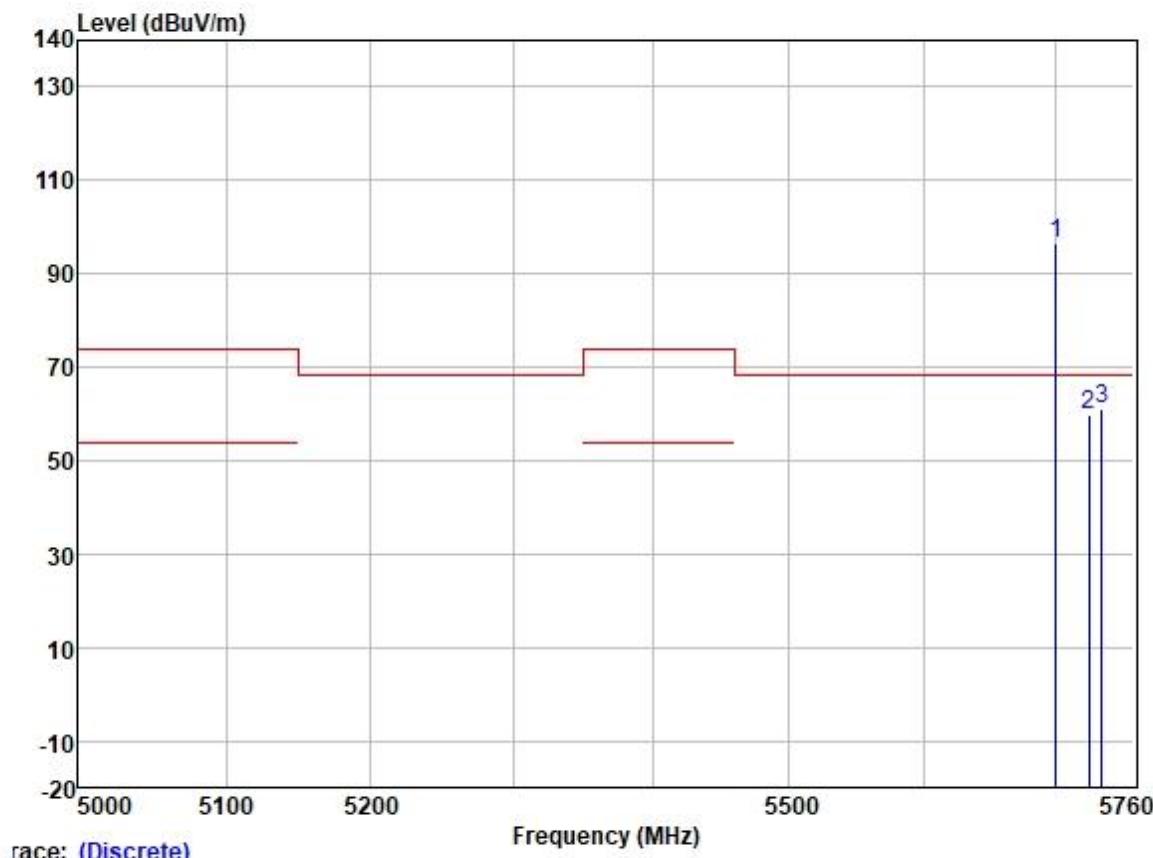
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Test Mode: 38; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High

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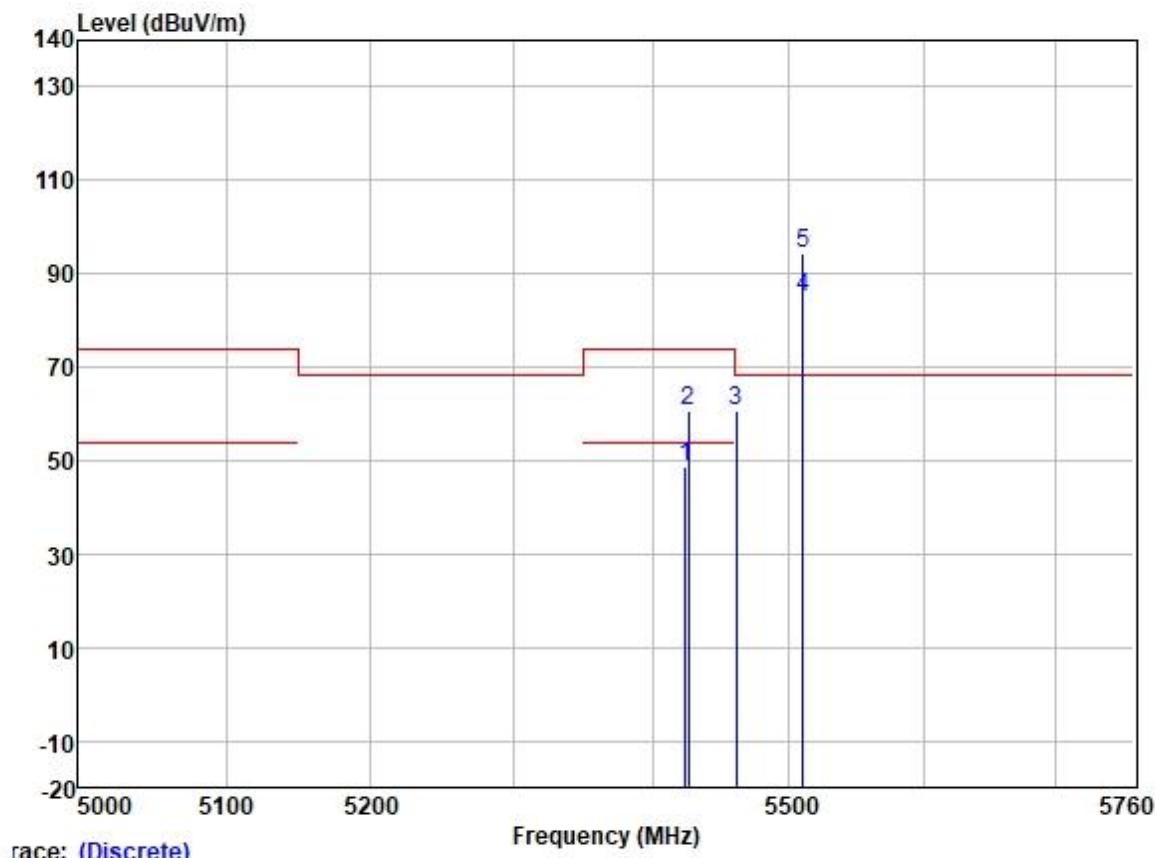
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Test Mode: 38; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Freq	ReadAntenna		Cable		Preamp		Limit Line	Over Line	Pol/Phase	Remark
	Level	Factor	Loss	Factor	Level	dBuV/m				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	dB	dB	dB
1 5424.103	47.73	31.79	6.13	36.88	48.77	54.00	-5.23	HORIZONTAL	Average	
2 5425.908	59.80	31.79	6.13	36.88	60.84	74.00	-13.16	HORIZONTAL	Peak	
3 5460.739	59.41	31.79	6.26	36.88	60.58	68.20	-7.62	HORIZONTAL	Peak	
4 5510.000	83.53	31.80	6.40	36.88	84.85	-----	-----	HORIZONTAL	Average	
5 * 5510.000	93.22	31.80	6.40	36.88	94.54	68.20	26.34	HORIZONTAL	Peak	

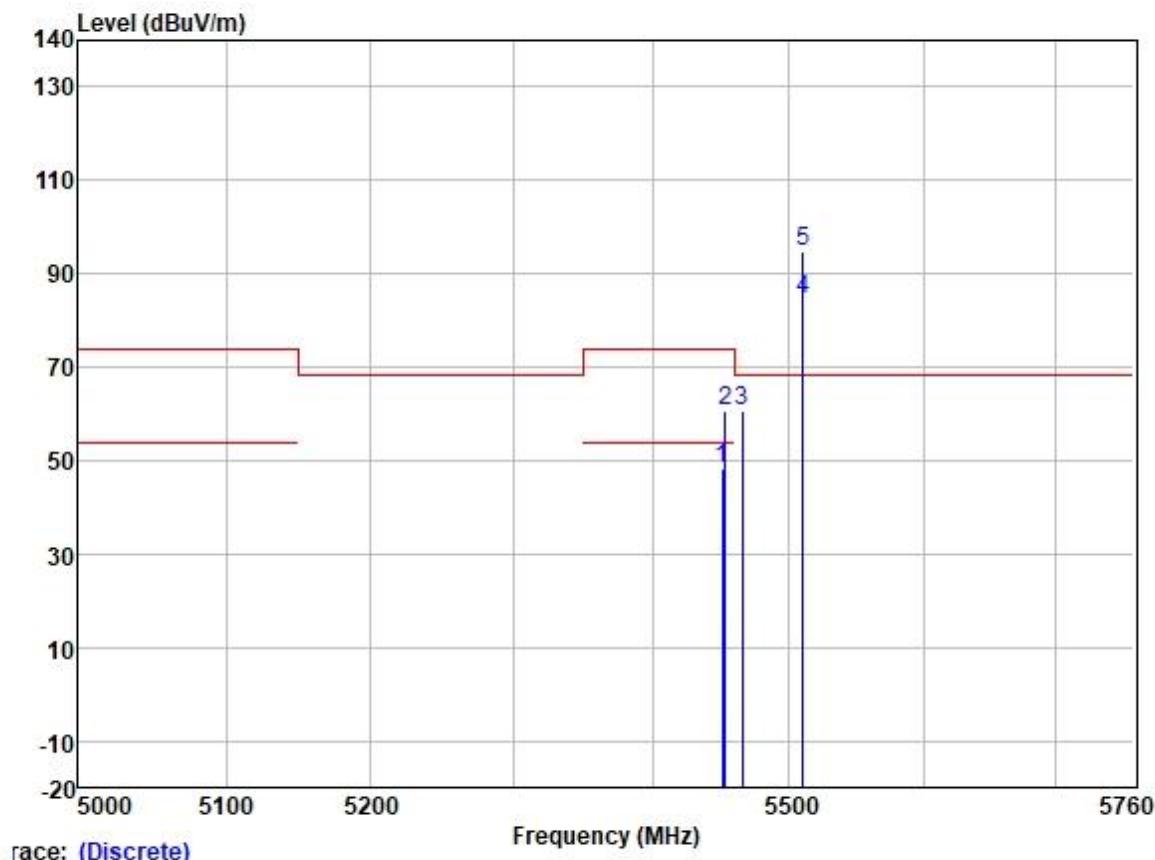
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Test Mode: 38; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Freq	ReadAntenna		Cable		Preamp	Limit	Over	Line	Limit	Pol/Phase	Remark
	Level	Factor	Loss	Factor							
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB				
1 5450.964	47.15	31.79	6.26	36.88	48.32	54.00	-5.68	VERTICAL			Average
2 5452.778	59.60	31.79	6.26	36.88	60.77	74.00	-13.23	VERTICAL			Peak
3 5464.934	59.52	31.80	6.31	36.88	60.75	68.20	-7.45	VERTICAL			Peak
4 5510.000	83.13	31.80	6.40	36.88	84.45	-----	-----	VERTICAL			Average
5 * 5510.000	93.48	31.80	6.40	36.88	94.80	68.20	26.60	VERTICAL			Peak

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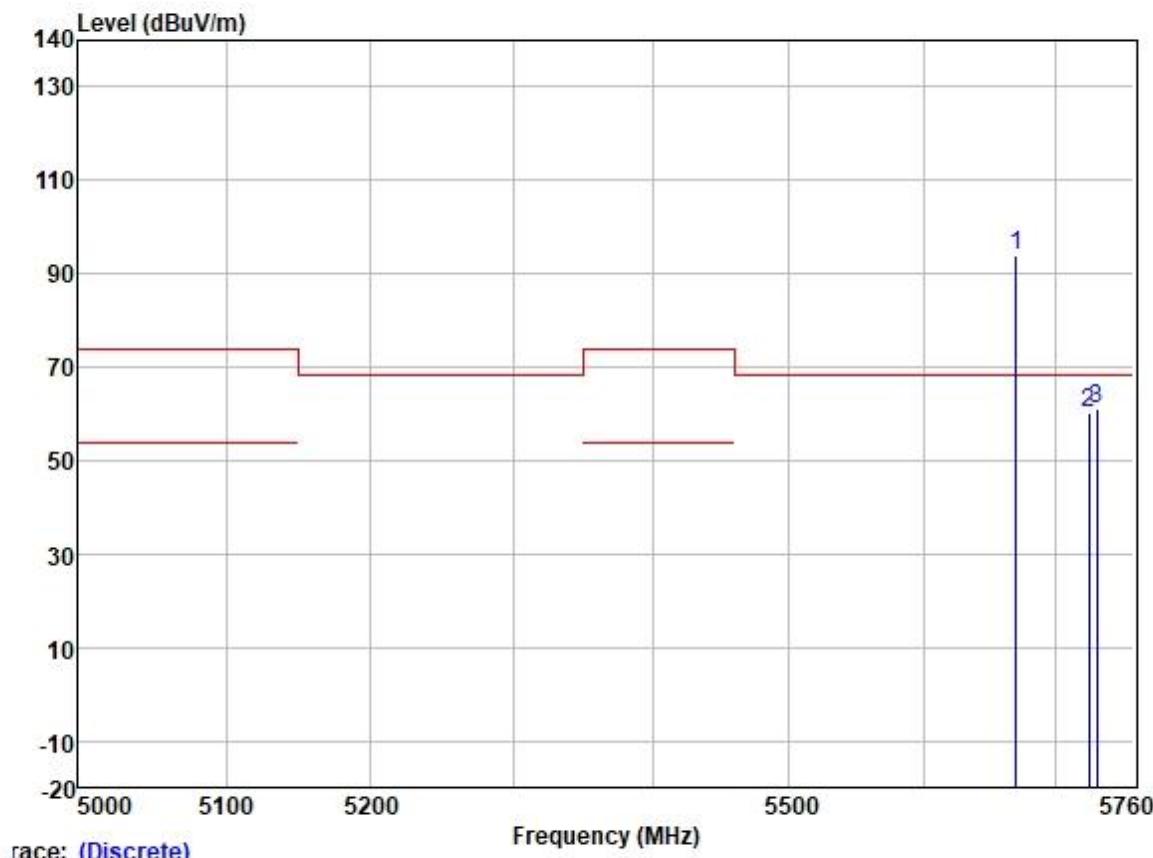


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Test Mode: 38; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High

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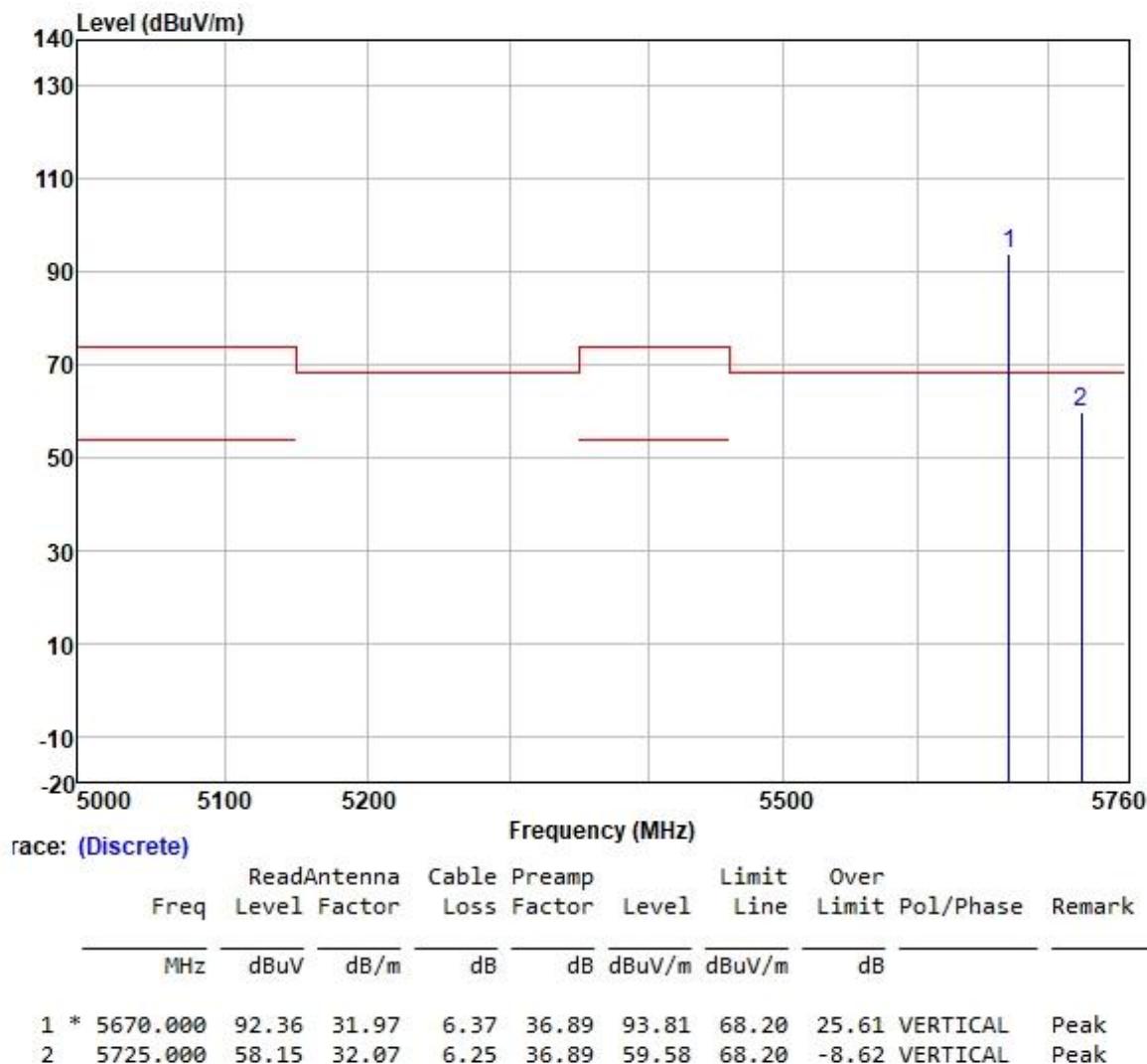
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Test Mode: 38; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



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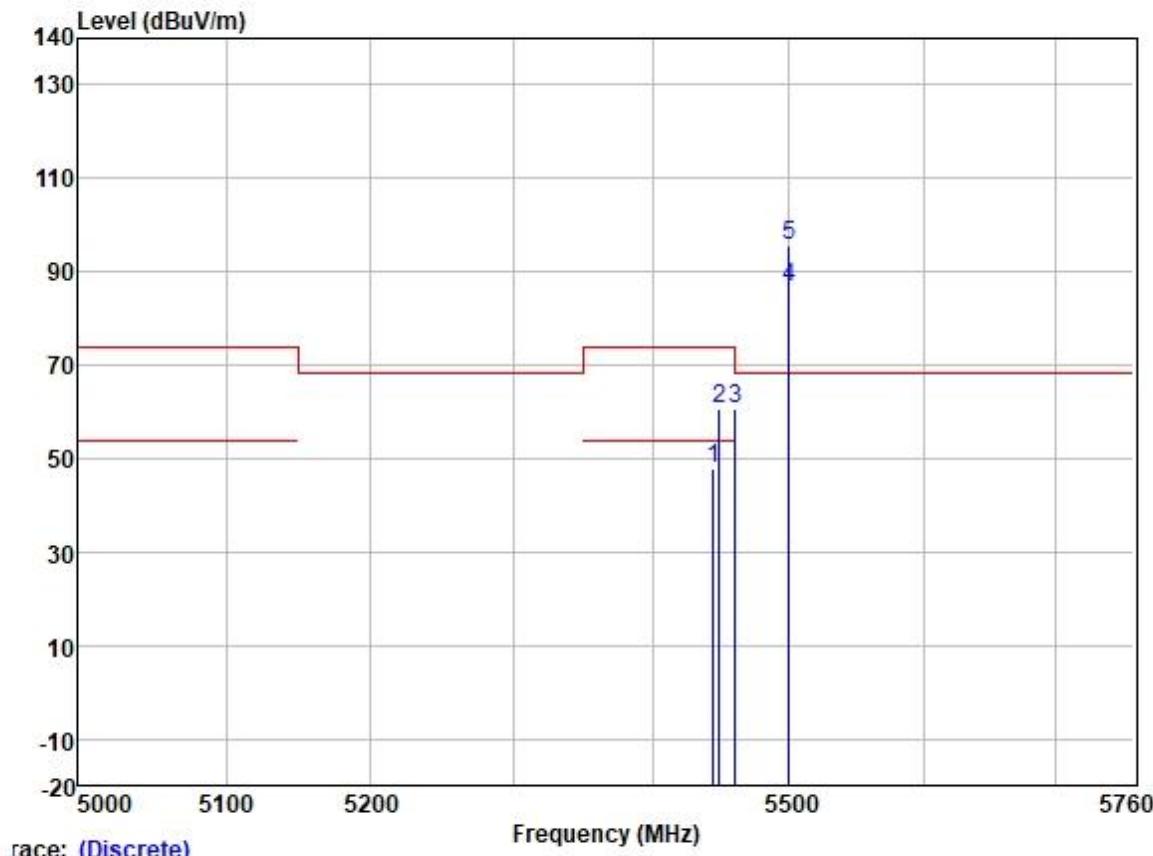
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Test Mode: 38; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Mode: (Discrete)

Freq	ReadAntenna		Cable		Preamp Loss Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	Factor	dB						
1	5444.452	46.77	31.79	6.20	36.88	47.88	54.00	-6.12	HORIZONTAL	Average
2	5448.761	59.48	31.79	6.26	36.88	60.65	74.00	-13.35	HORIZONTAL	Peak
3	5460.390	59.49	31.79	6.26	36.88	60.66	68.20	-7.54	HORIZONTAL	Peak
4	5500.000	85.47	31.80	6.40	36.88	86.79	-----	-----	HORIZONTAL	Average
5 *	5500.000	94.26	31.80	6.40	36.88	95.58	68.20	27.38	HORIZONTAL	Peak

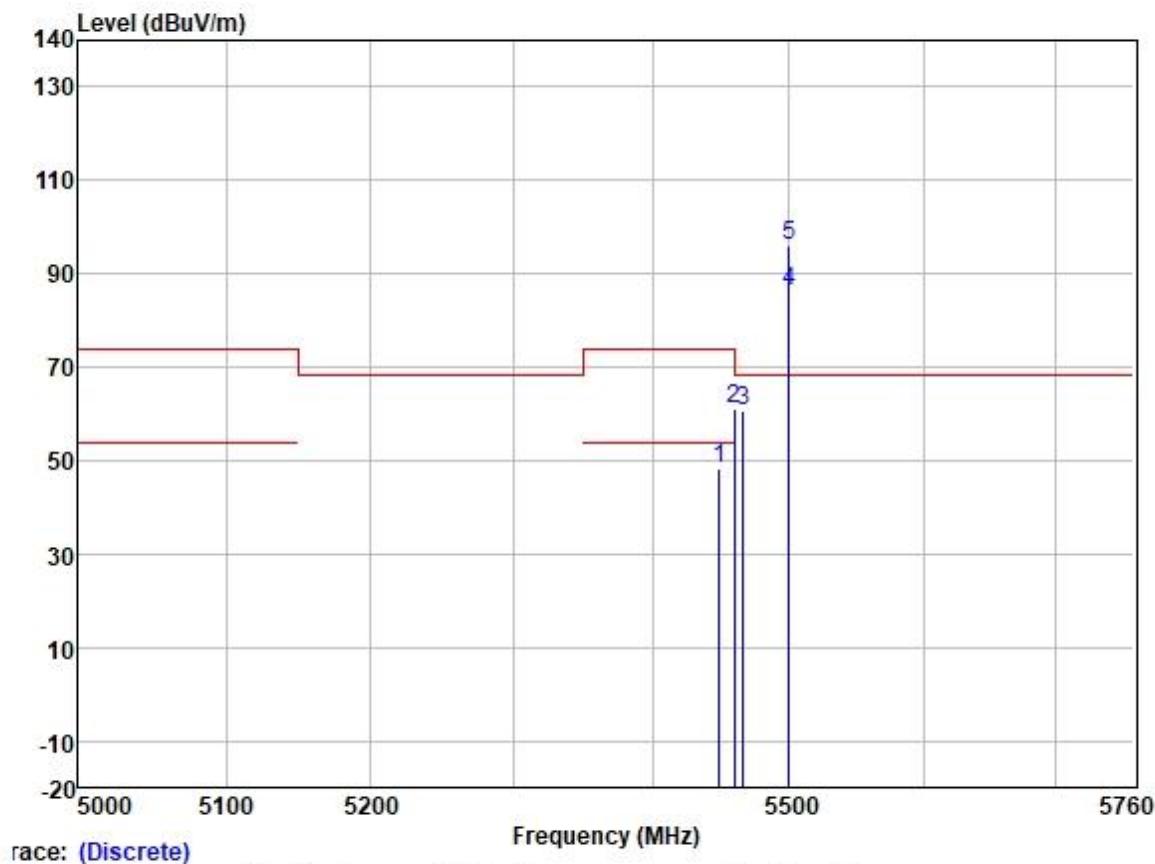
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Test Mode: 38; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Freq	ReadAntenna		Cable		Preamp	Limit	Over	Line	Limit	Pol/Phase	Remark
	Level	Factor	Loss	Factor							
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB				
1 5448.402	46.89	31.79	6.26	36.88	48.06	54.00	-5.94	VERTICAL			Average
2 5459.670	60.08	31.79	6.26	36.88	61.25	74.00	-12.75	VERTICAL			Peak
3 5465.914	59.53	31.80	6.31	36.88	60.76	68.20	-7.44	VERTICAL			Peak
4 5500.000	85.04	31.80	6.40	36.88	86.36	-----	-----	VERTICAL			Average
5 * 5500.000	94.75	31.80	6.40	36.88	96.07	68.20	27.87	VERTICAL			Peak

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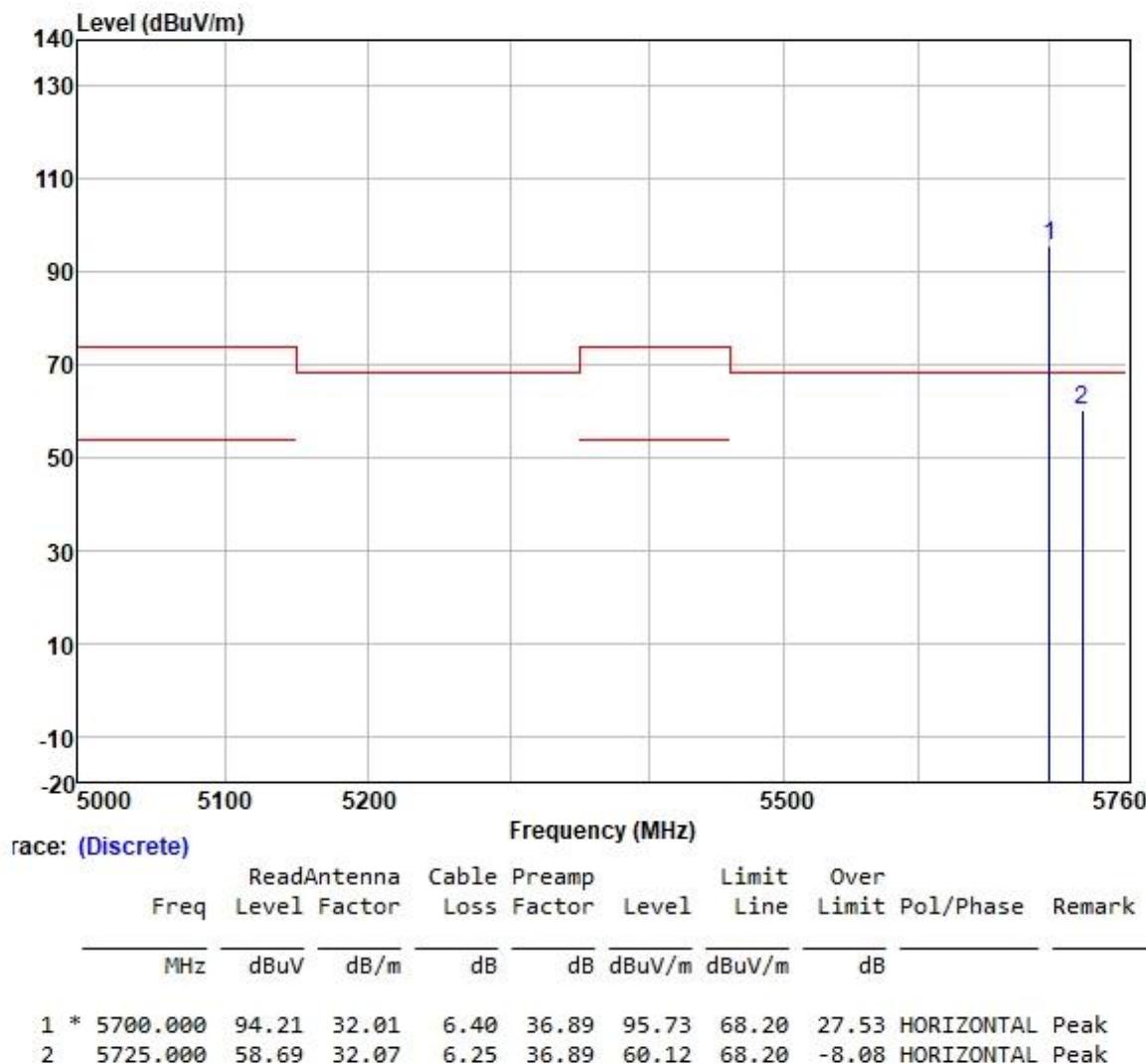
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Test Mode: 38; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



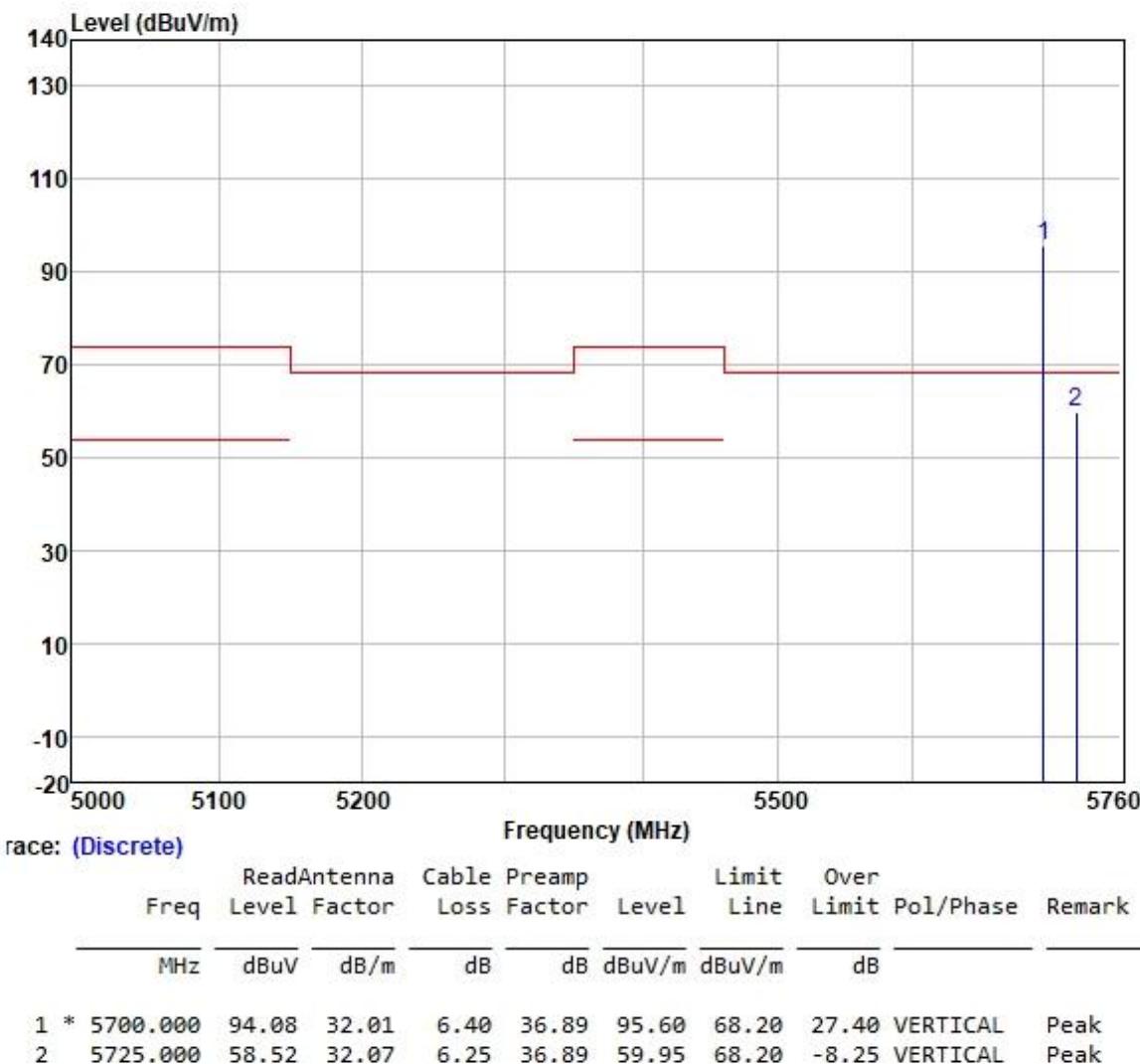
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Test Mode: 38; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



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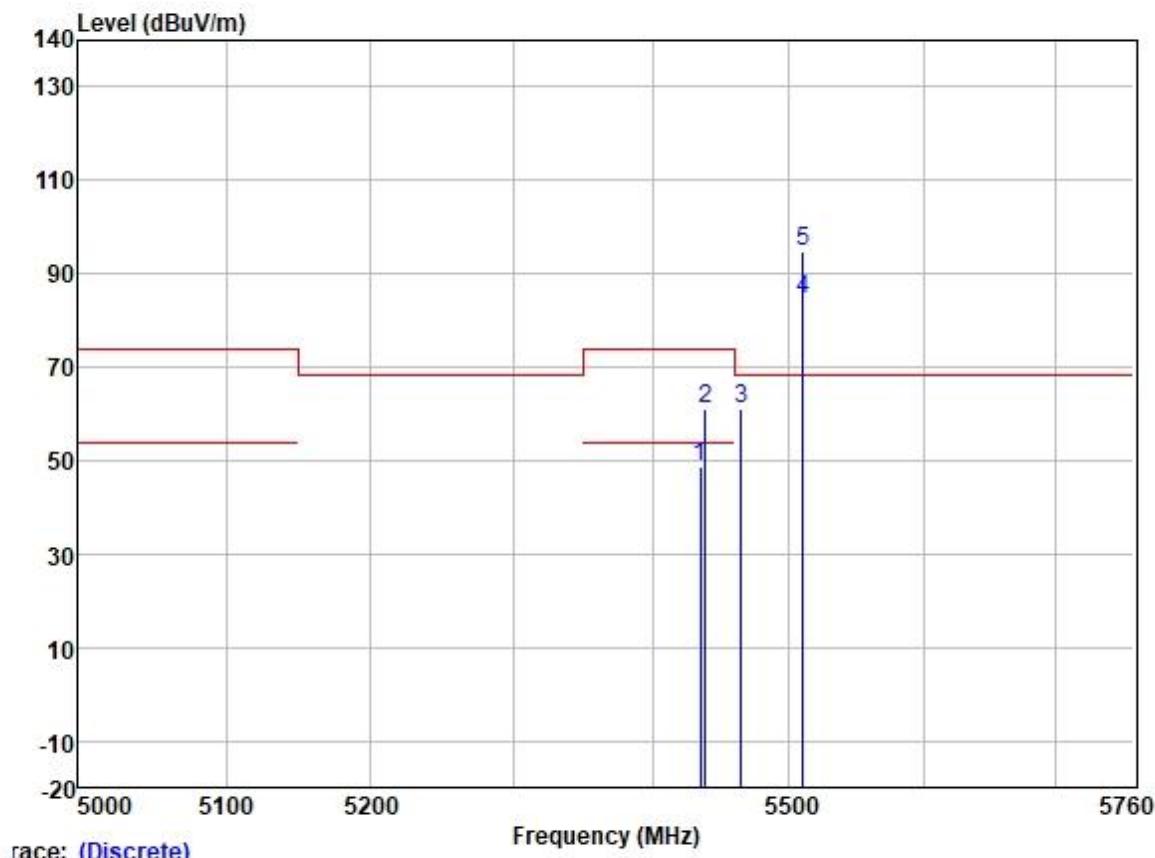


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Test Mode: 38; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Mode: (Discrete)

Freq	ReadAntenna		Cable		Preamp Loss Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	Factor	dB						
1	5434.804	47.55	31.79	6.20	36.88	48.66	54.00	-5.34	HORIZONTAL	Average
2	5438.561	59.94	31.79	6.20	36.88	61.05	74.00	-12.95	HORIZONTAL	Peak
3	5464.654	59.63	31.80	6.31	36.88	60.86	68.20	-7.34	HORIZONTAL	Peak
4	5510.000	83.30	31.80	6.40	36.88	84.62	-----	-----	HORIZONTAL	Average
5 *	5510.000	93.41	31.80	6.40	36.88	94.73	68.20	26.53	HORIZONTAL	Peak

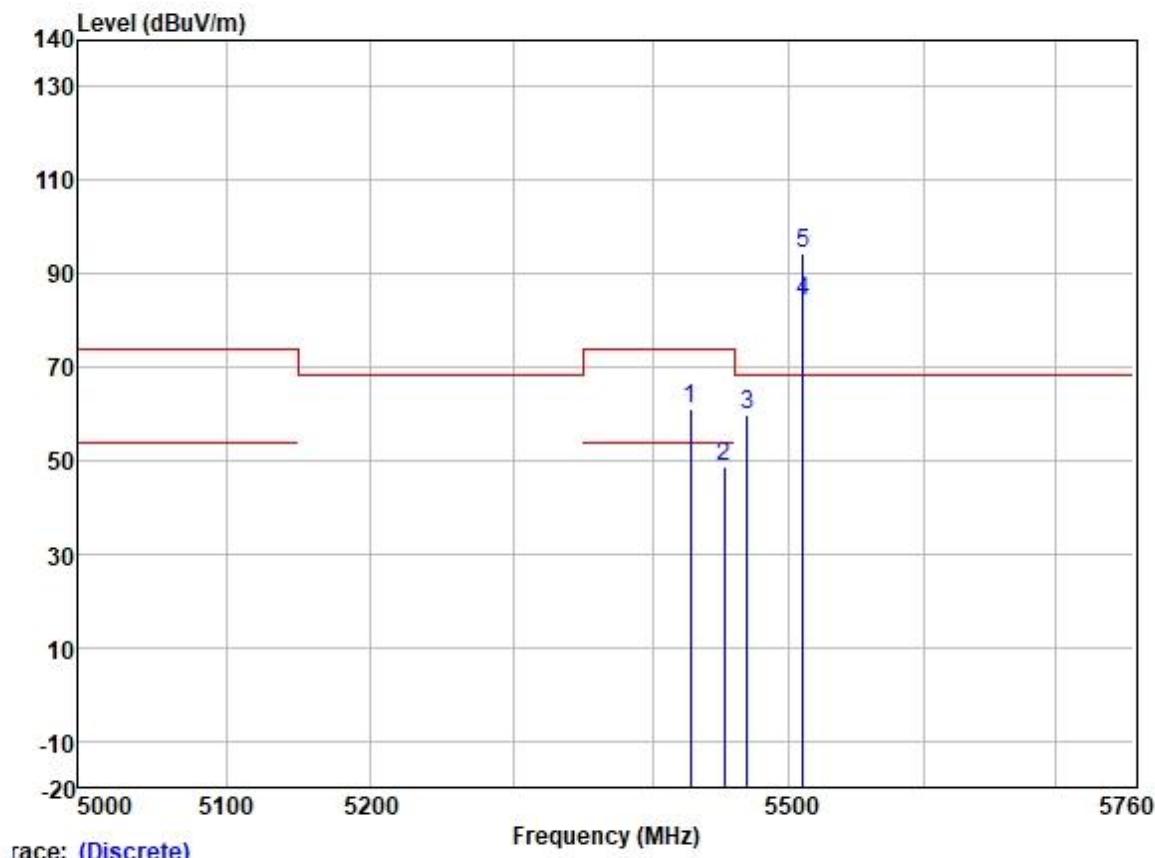
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Test Mode: 38; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Freq	ReadAntenna		Cable		Preamp		Limit	Over	Pol/Phase	Remark
	Level	Factor	Loss	Factor	Level	dBuV/m	dBuV/m	dB	dB	dB
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dBuV/m	dB	dB	dB
1 5427.575	60.12	31.79	6.13	36.88	61.16	74.00	-12.84	VERTICAL	Peak	
2 5452.081	47.33	31.79	6.26	36.88	48.50	54.00	-5.50	VERTICAL	Average	
3 5468.572	58.64	31.80	6.31	36.88	59.87	68.20	-8.33	VERTICAL	Peak	
4 5510.000	82.89	31.80	6.40	36.88	84.21	-----	-----	VERTICAL	Average	
5 * 5510.000	93.18	31.80	6.40	36.88	94.50	68.20	26.30	VERTICAL	Peak	

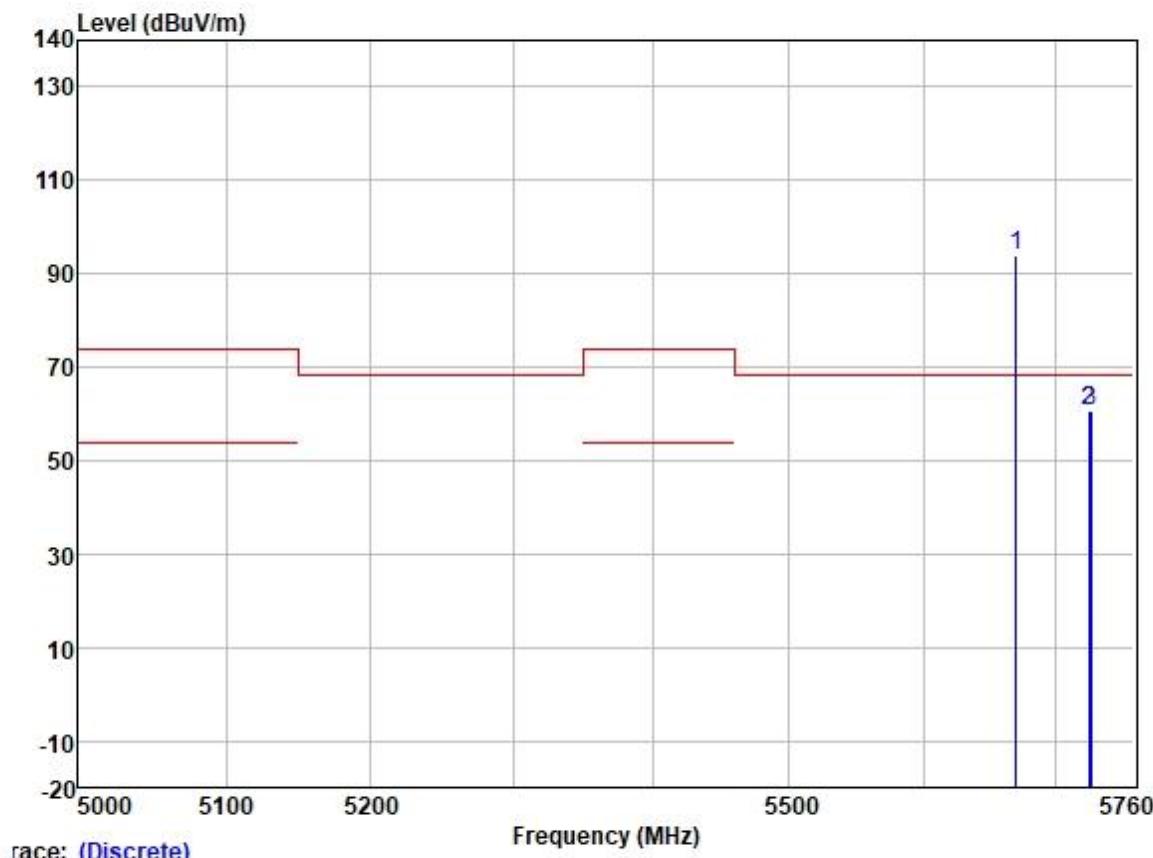
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Test Mode: 38; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

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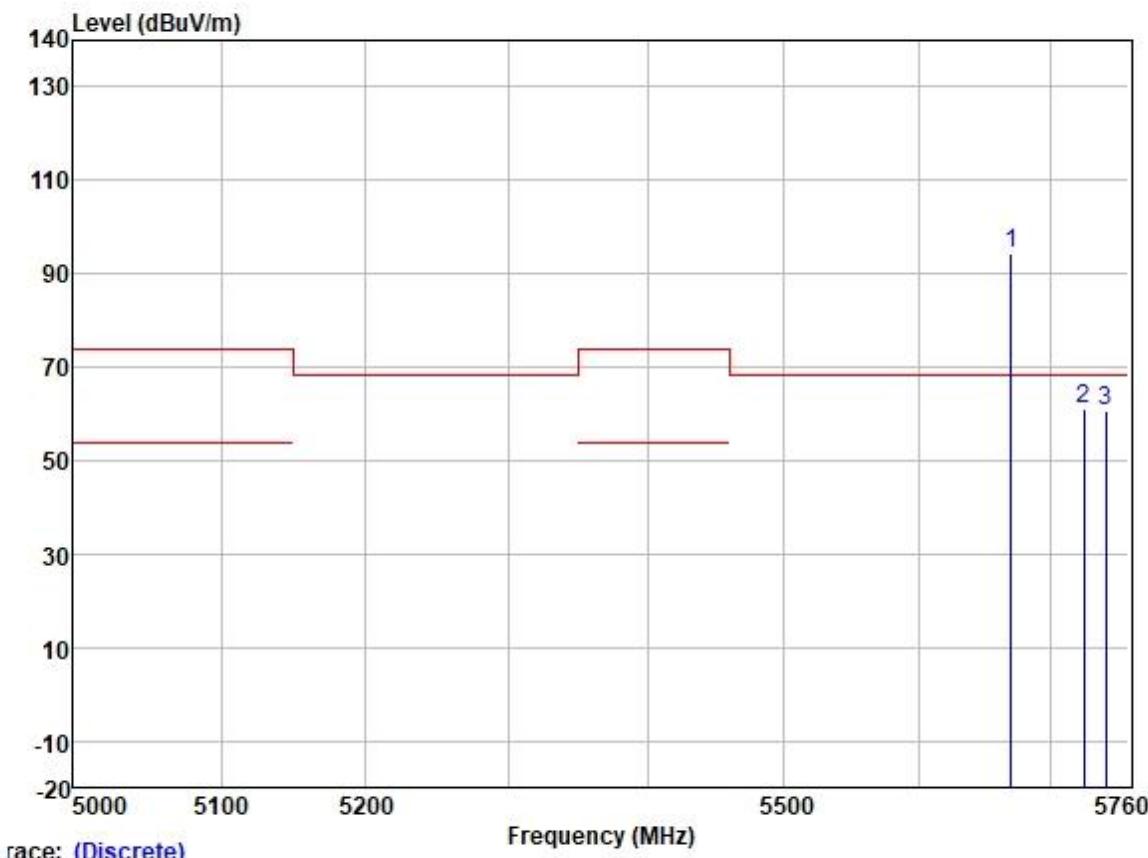
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Test Mode: 38; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Mode: (Discrete)

Freq	ReadAntenna		Cable		Preamp Loss Factor	dB	dBuV/m	Limit Line	dBuV/m	Over Line	Limit Pol/Phase	Remark
	MHz	dBuV	Level	Factor								
1 * 5670.000	92.72	31.97	6.37	36.89	94.17	68.20	25.97	VERTICAL			Peak	
2 5725.000	59.62	32.07	6.25	36.89	61.05	68.20	-7.15	VERTICAL			Peak	
3 5742.284	59.42	32.10	6.20	36.89	60.83	68.20	-7.37	VERTICAL			Peak	

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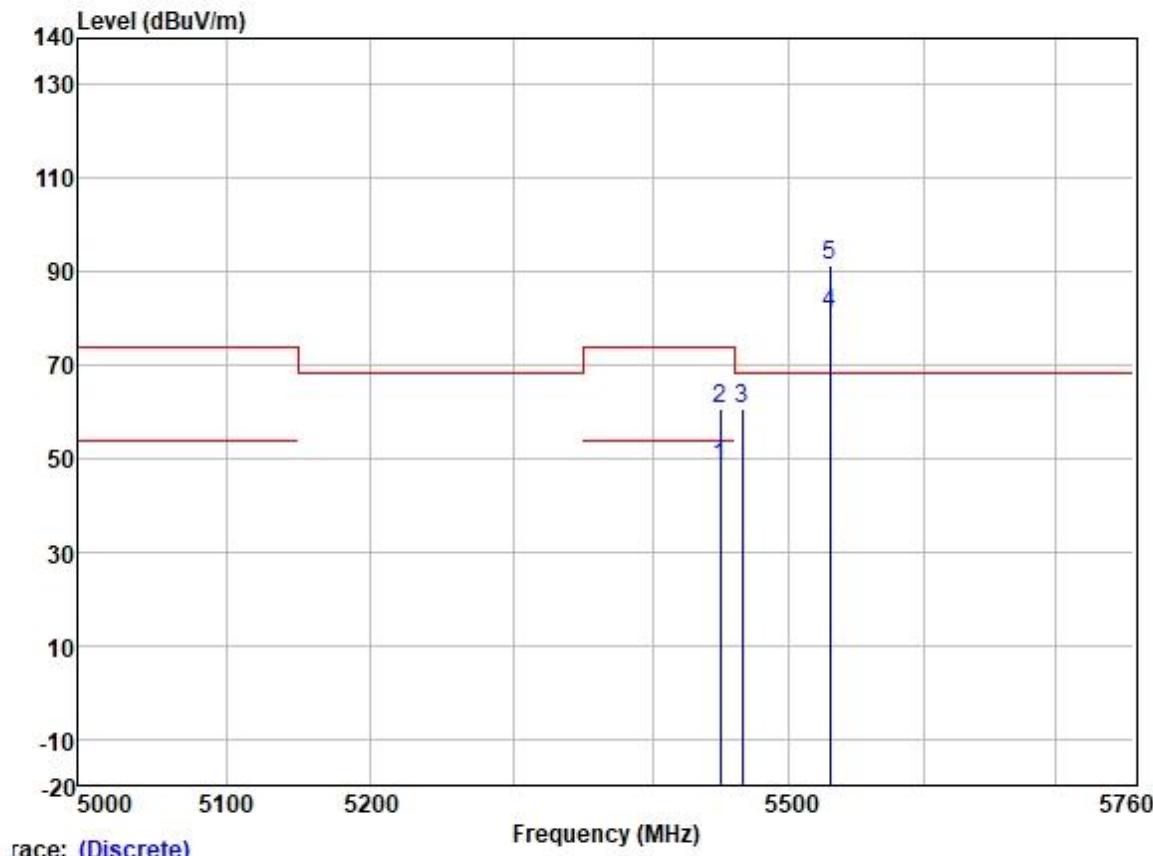
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Test Mode: 38; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Freq	ReadAntenna		Cable		Preamp	Limit	Over	Line	Limit	Pol/Phase	Remark
	Level	Factor	Loss	Factor							
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB				
1	5448.913	47.21	31.79	6.26	36.88	48.38	54.00	-5.62	HORIZONTAL	Average	
2	5449.271	59.62	31.79	6.26	36.88	60.79	74.00	-13.21	HORIZONTAL	Peak	
3	5465.017	59.43	31.80	6.31	36.88	60.66	68.20	-7.54	HORIZONTAL	Peak	
4	5530.000	79.80	31.83	6.37	36.89	81.11	-----	-----	HORIZONTAL	Average	
5 *	5530.000	90.21	31.83	6.37	36.89	91.52	68.20	23.32	HORIZONTAL	Peak	

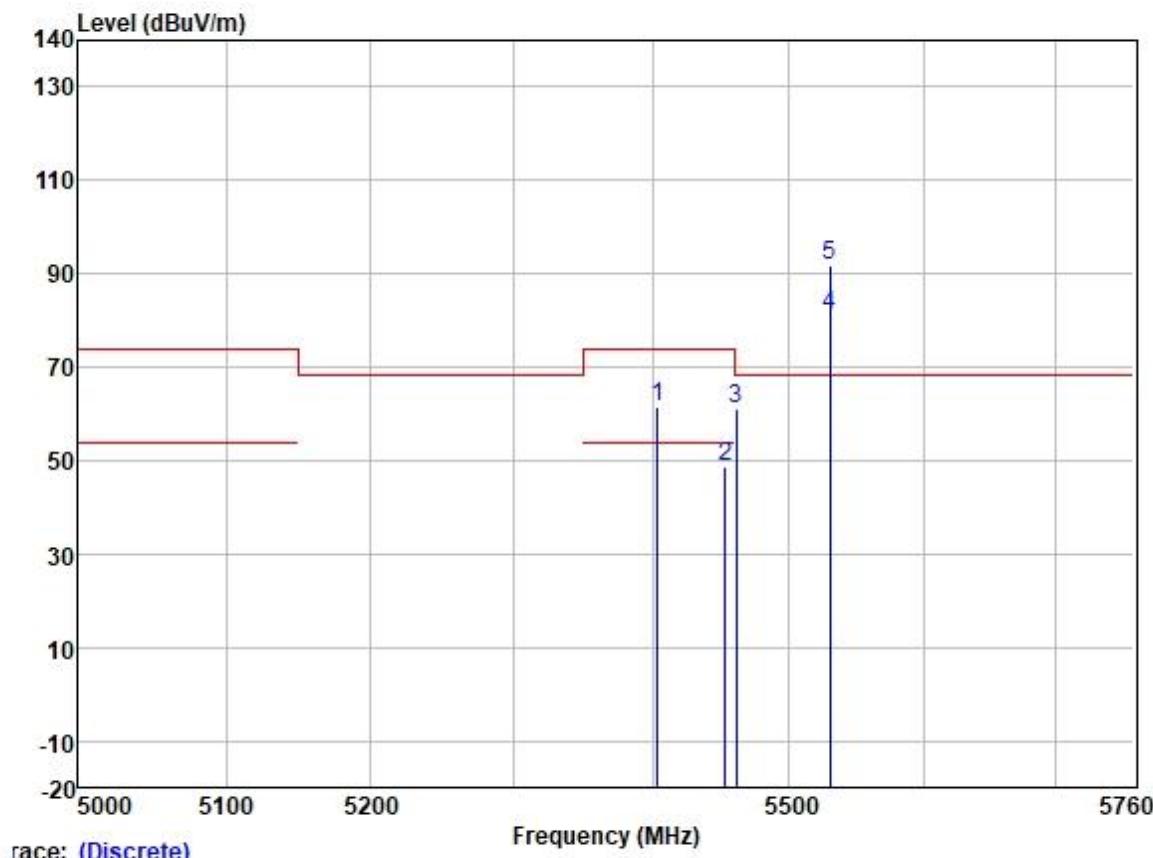
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Test Mode: 38; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Freq	ReadAntenna		Cable		Preamp		Limit	Over	Limit	Pol/Phase	Remark
	MHz	dBuV	Level	Factor	Loss	Factor					
1	5403.720	60.55	31.79	6.06	36.88	61.52	74.00	-12.48	VERTICAL	Peak	
2	5453.024	47.49	31.79	6.26	36.88	48.66	54.00	-5.34	VERTICAL	Average	
3	5460.897	59.74	31.79	6.26	36.88	60.91	68.20	-7.29	VERTICAL	Peak	
4	5530.000	79.65	31.83	6.37	36.89	80.96	-----	-----	VERTICAL	Average	
5 *	5530.000	90.42	31.83	6.37	36.89	91.73	68.20	23.53	VERTICAL	Peak	

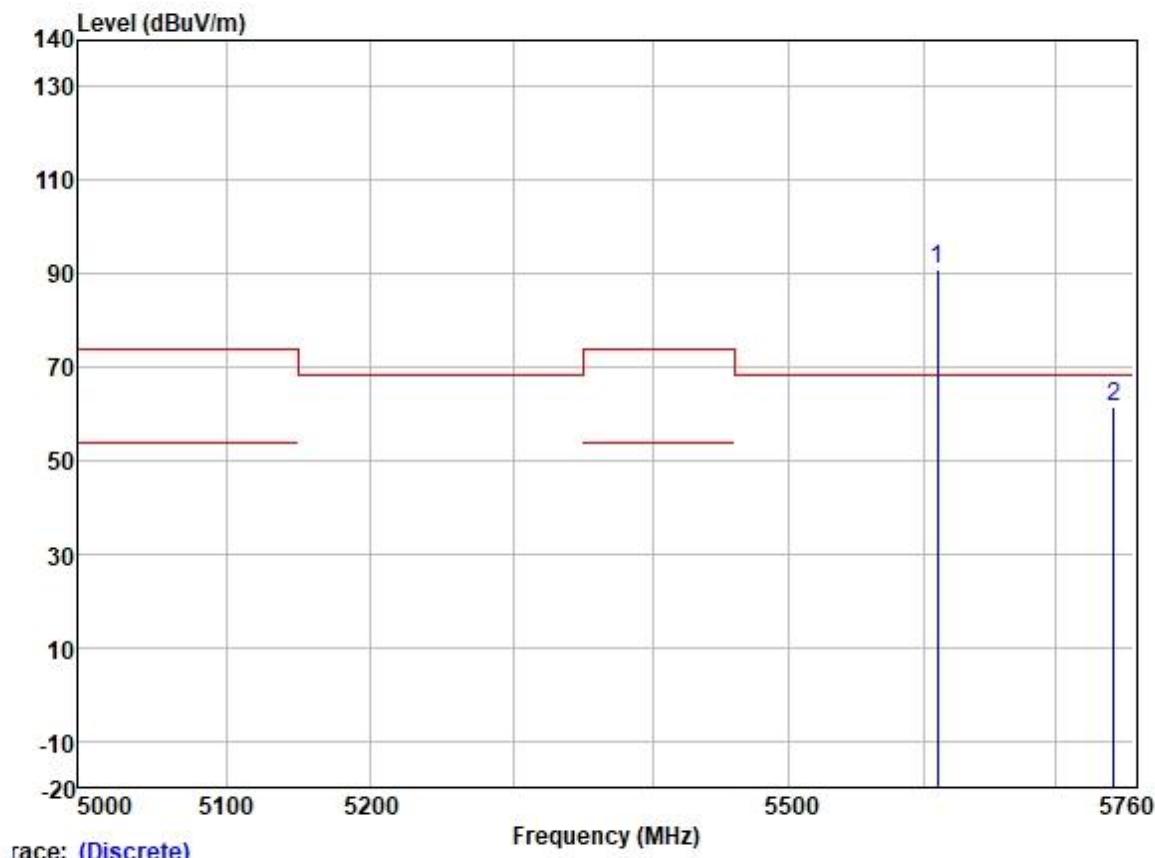
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Test Mode: 38; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:High

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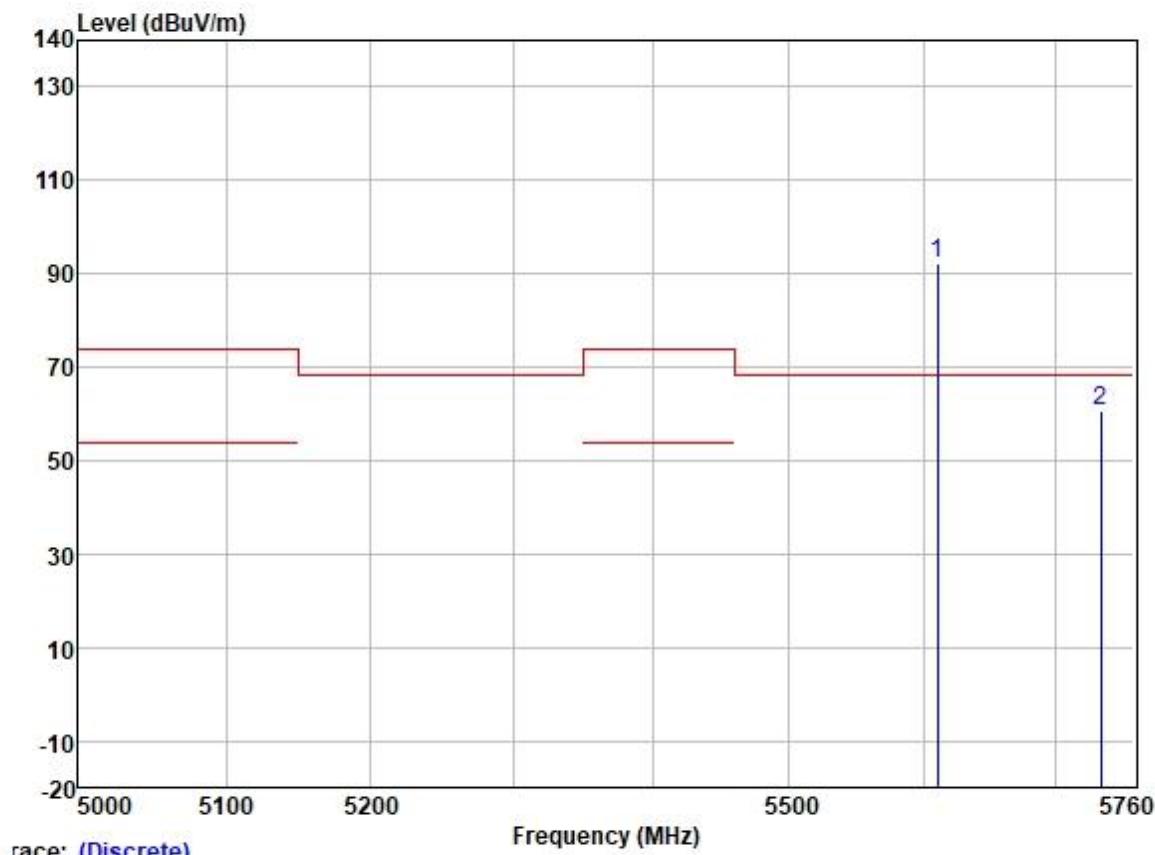
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Test Mode: 38; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



Race: (Discrete)

Freq	ReadAntenna		Cable		Preamp	Loss	Factor	Limit	Line	Over	Limit	Pol/Phase	Remark
	MHz	dBuV	Level	Factor									
1 * 5610.000	90.75	31.91	6.32	36.89	92.09	68.20	23.89	VERTICAL				Peak	
2 5734.612	59.23	32.07	6.25	36.89	60.66	68.20	-7.54	VERTICAL				Peak	

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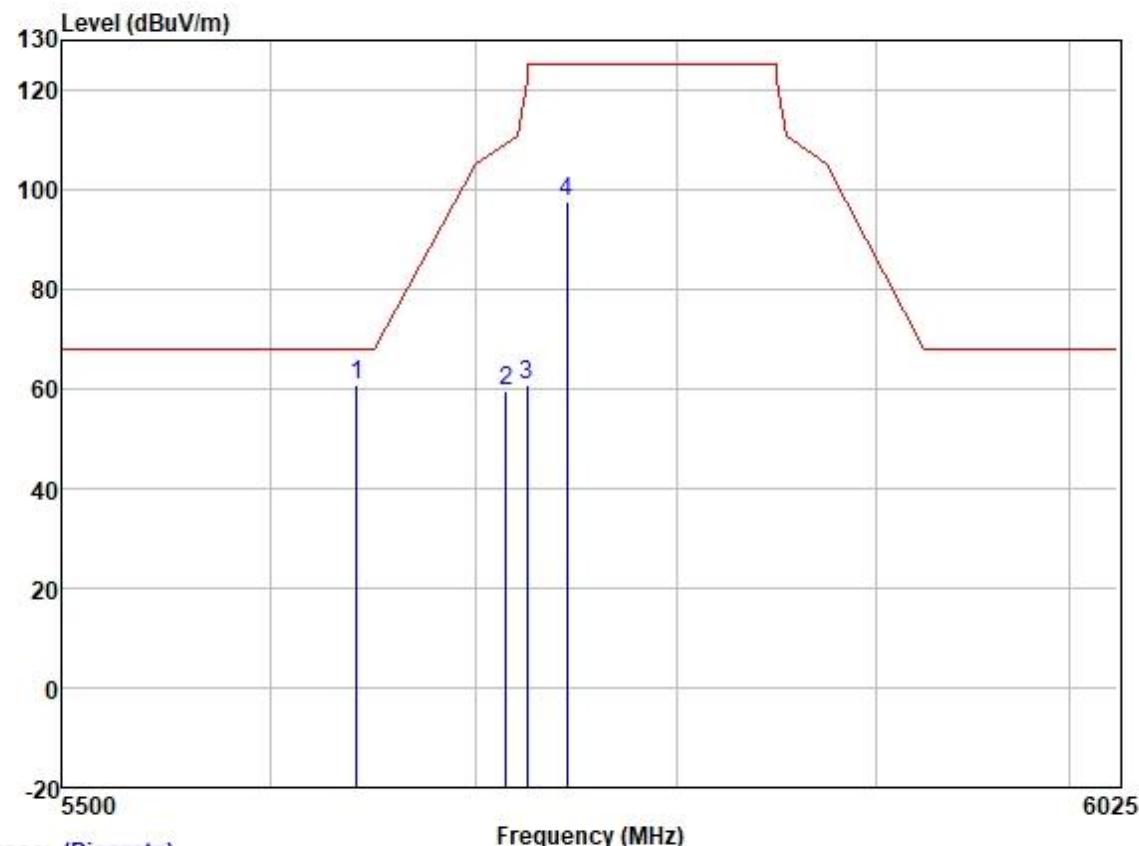
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Test Mode: 40; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

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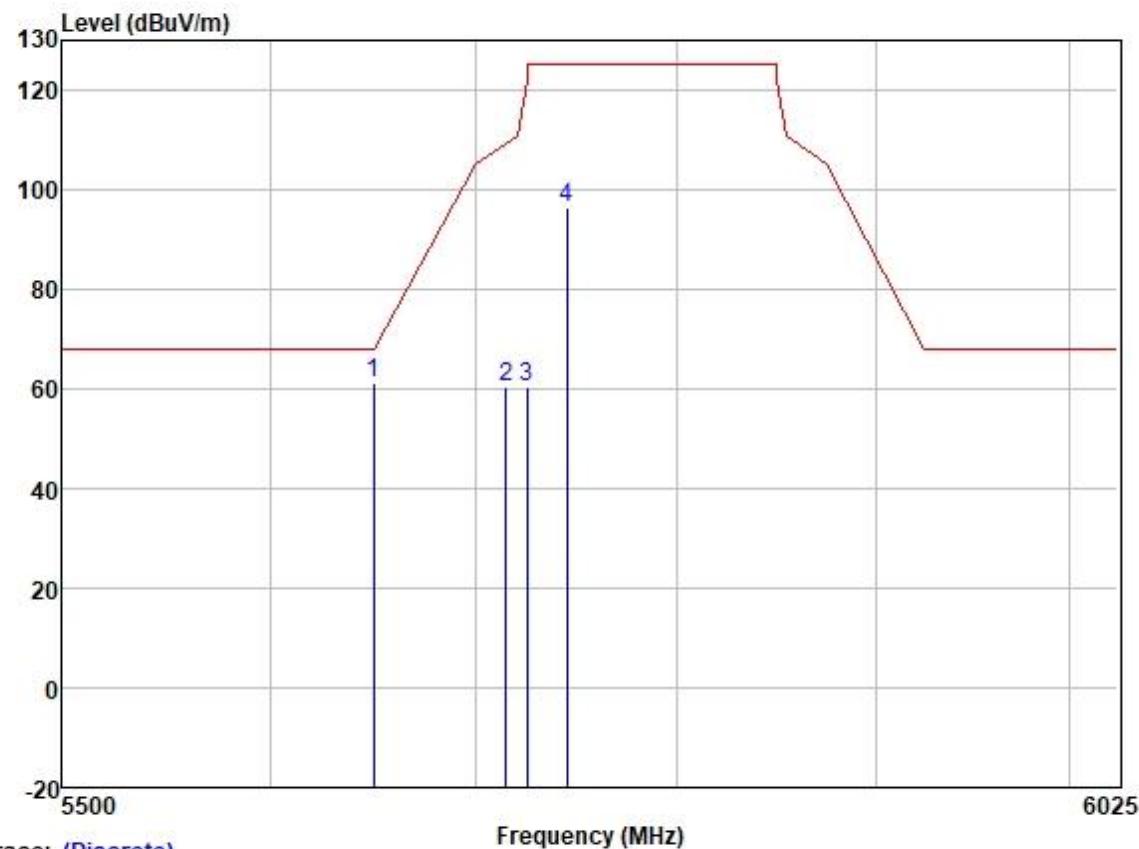
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Test Mode: 40; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

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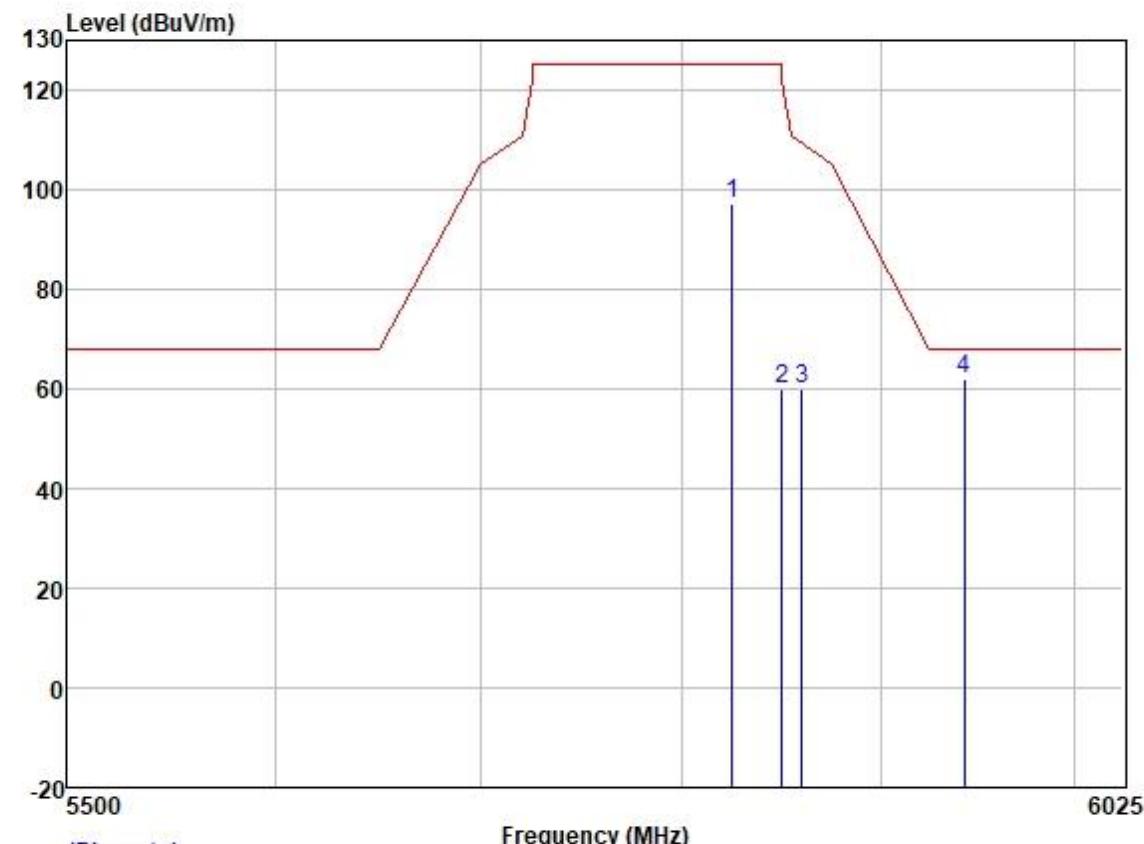
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Test Mode: 40; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High

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Guangzhou Branch Testing Center EEC Laboratory

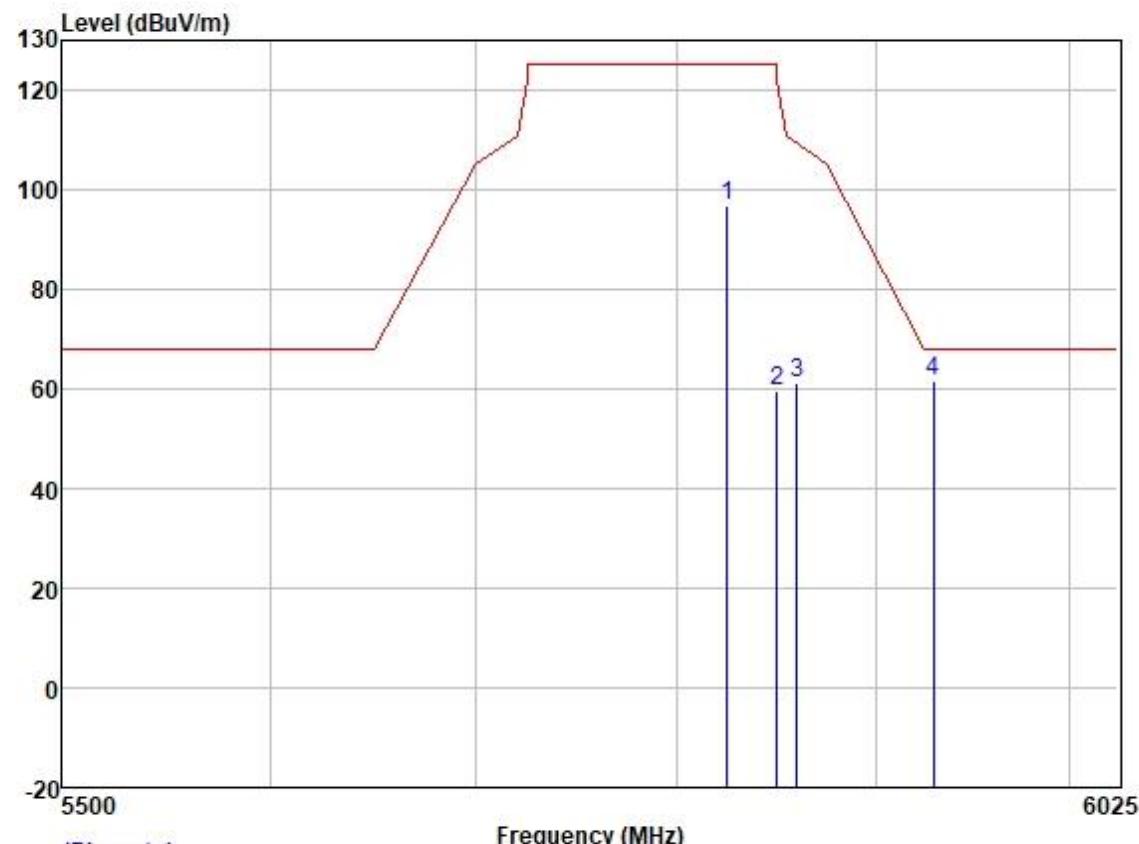
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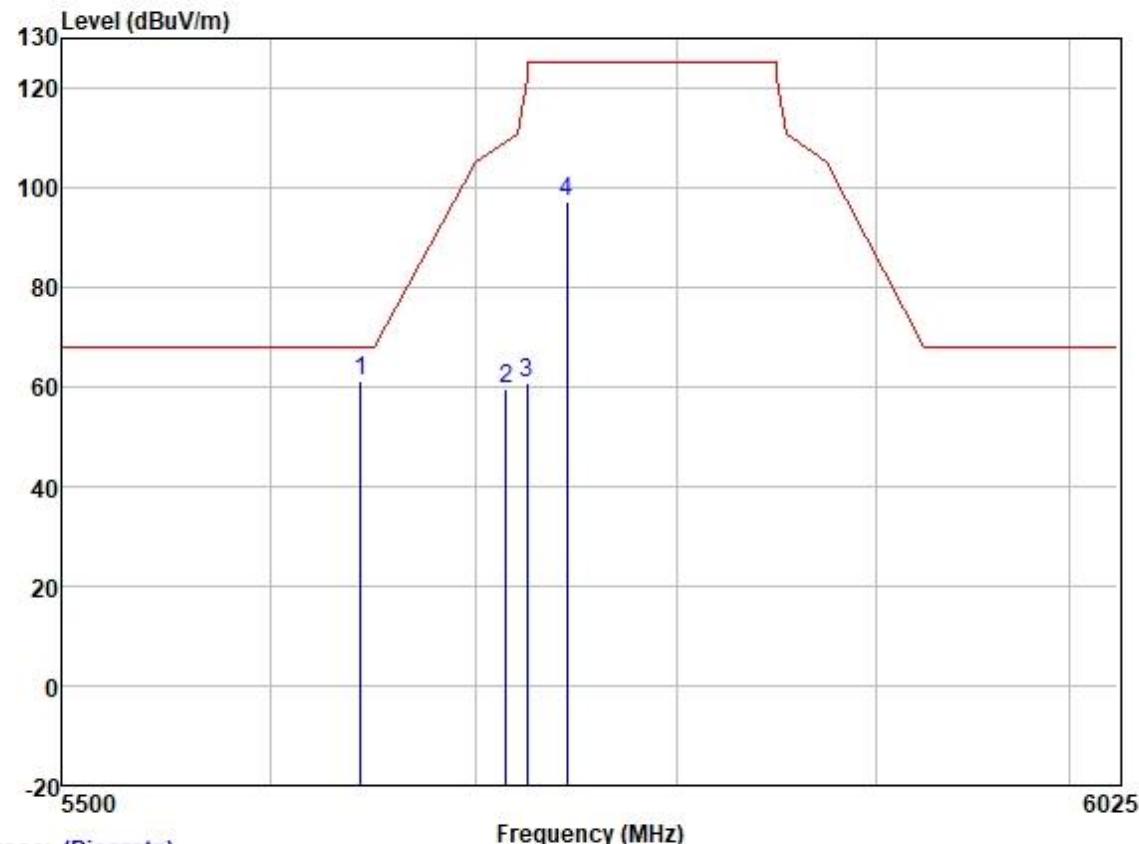
Test Mode: 40; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



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Test Mode: 40; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Race: (Discrete)

Freq	ReadAntenna		Cable		Preamp Loss Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB						
1	5643.597	59.90	31.95	6.35	36.89	61.31	68.20	-6.89	HORIZONTAL	Peak
2	5715.000	58.24	32.04	6.33	36.89	59.72	109.40	-49.68	HORIZONTAL	Peak
3	5725.000	59.30	32.07	6.25	36.89	60.73	122.20	-61.47	HORIZONTAL	Peak
4	5745.000	95.66	32.10	6.20	36.89	97.07	125.20	-28.13	HORIZONTAL	Peak

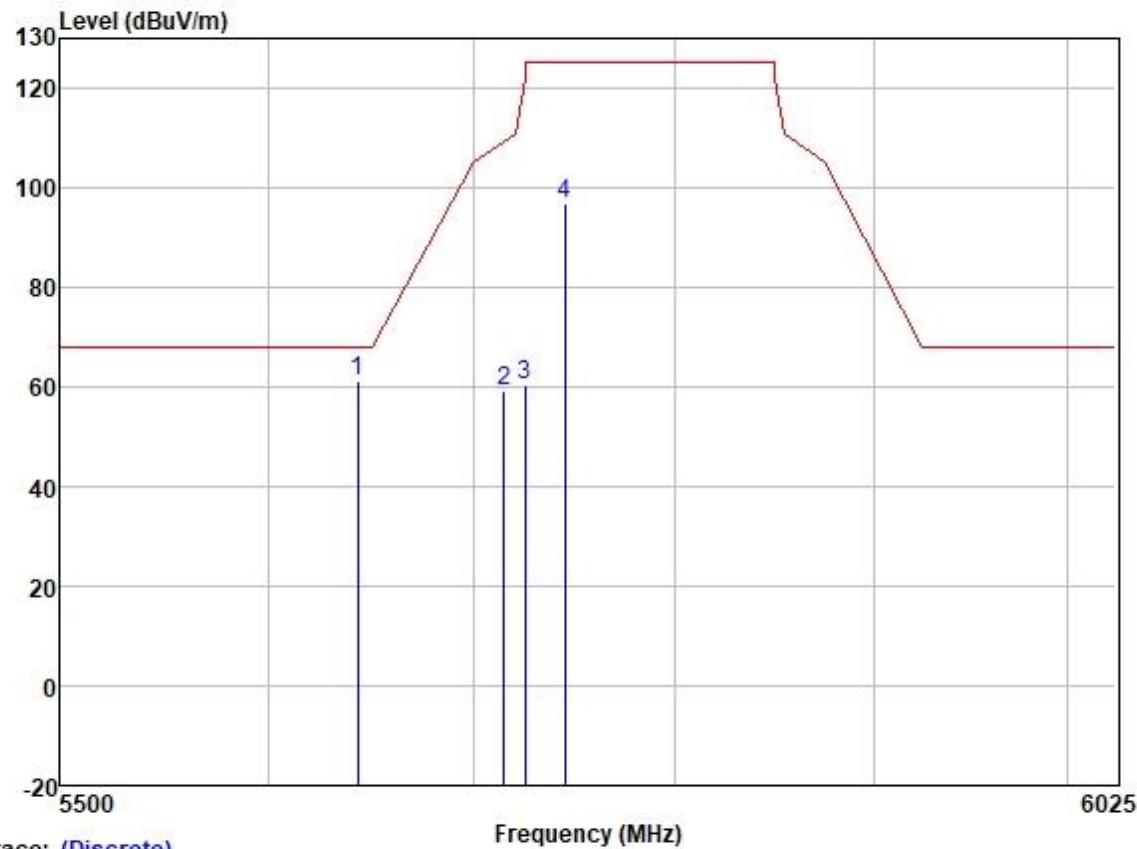
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Test Mode: 40; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

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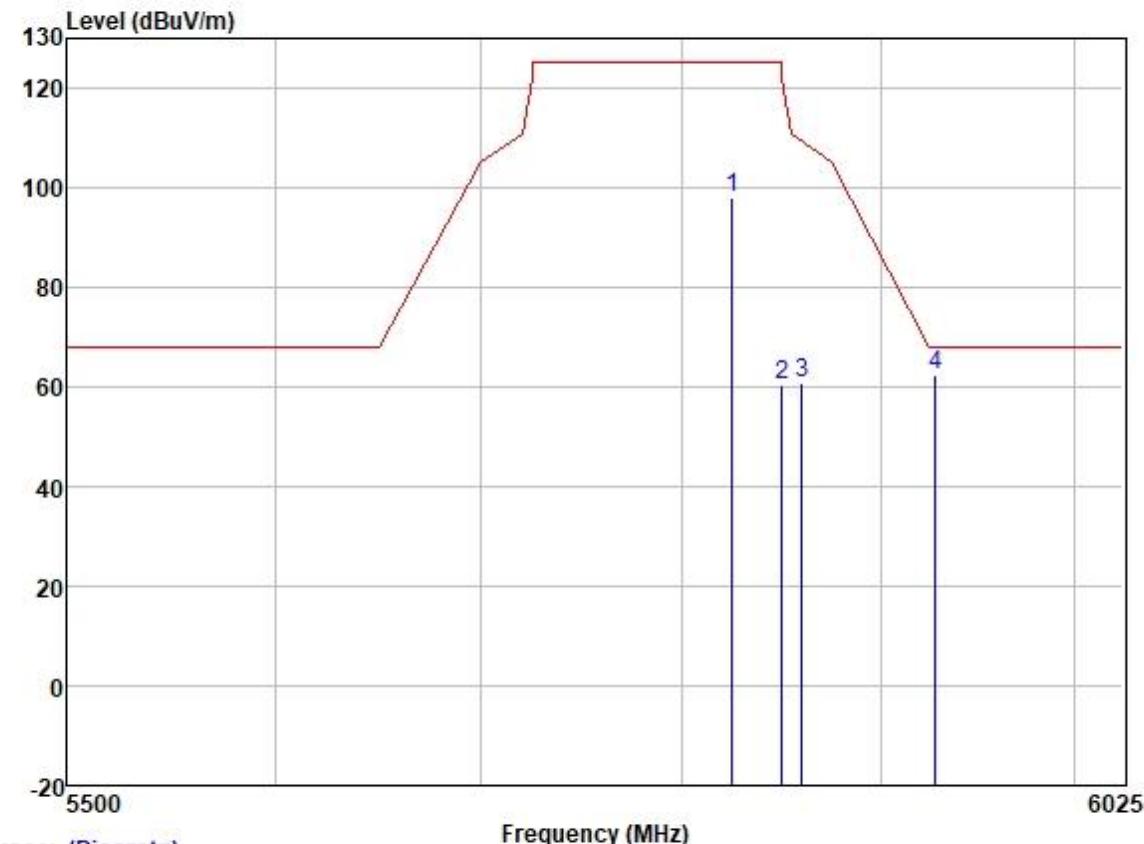
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Test Mode: 40; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Freq	ReadAntenna		Cable		Preamp Loss Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	Level Factor	dB						
1	5825.000	96.55	32.23	6.04	36.90	97.92	125.20	-27.28	HORIZONTAL	Peak
2	5850.000	59.15	32.25	6.00	36.90	60.50	122.20	-61.70	HORIZONTAL	Peak
3	5860.000	59.59	32.27	5.96	36.90	60.92	109.40	-48.48	HORIZONTAL	Peak
4	5928.062	61.11	32.34	6.00	36.90	62.55	68.20	-5.65	HORIZONTAL	Peak

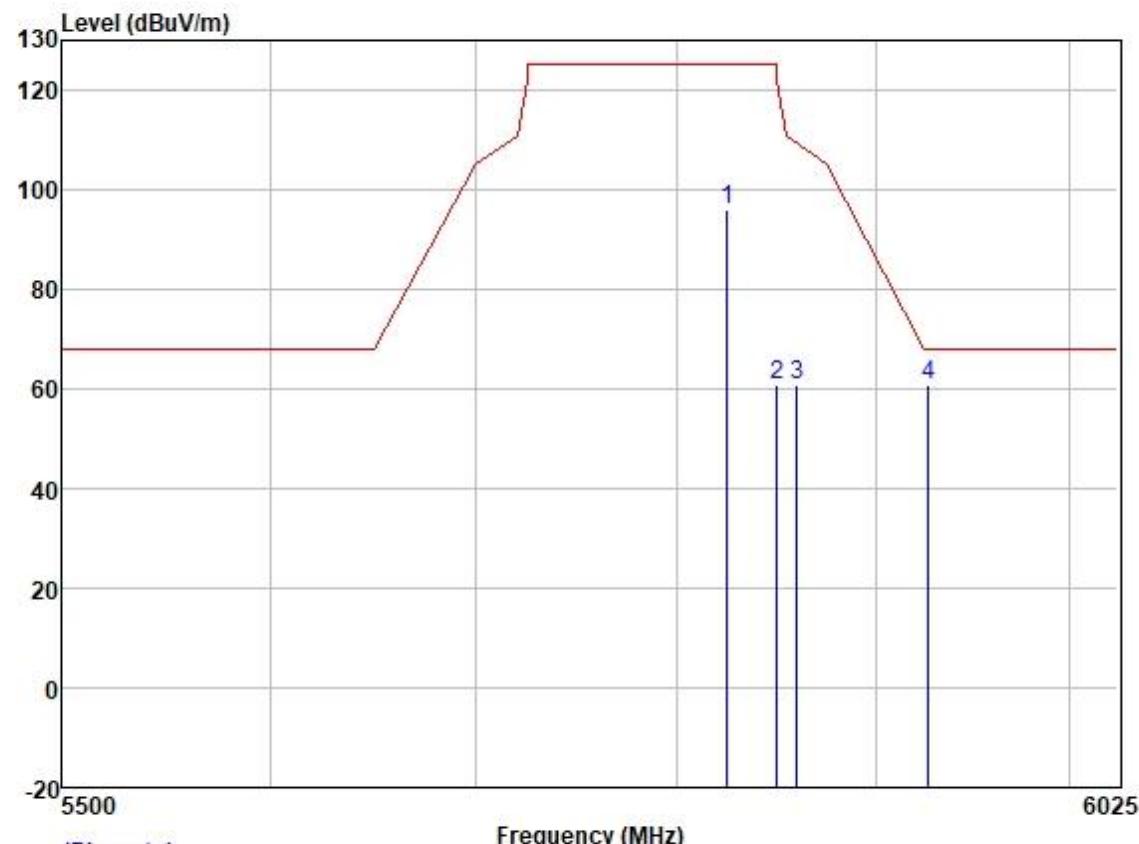
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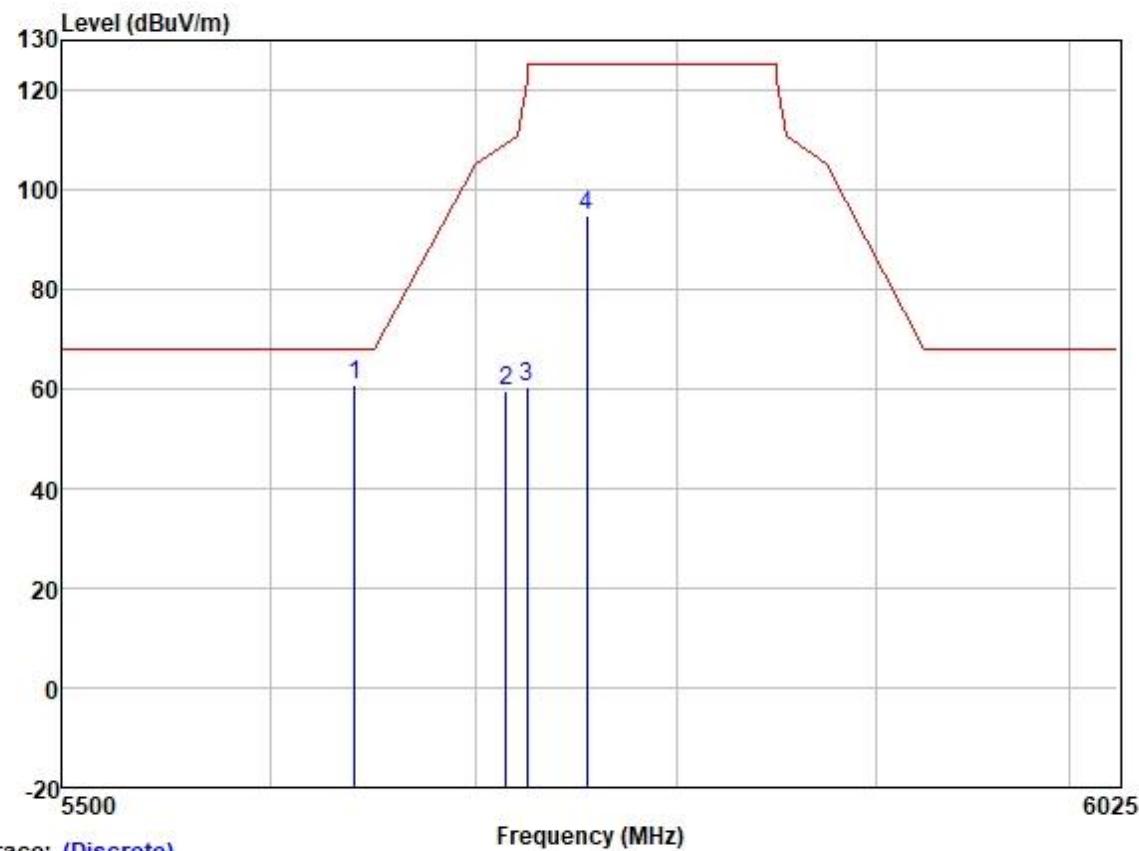
Test Mode: 40; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



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Test Mode: 40; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

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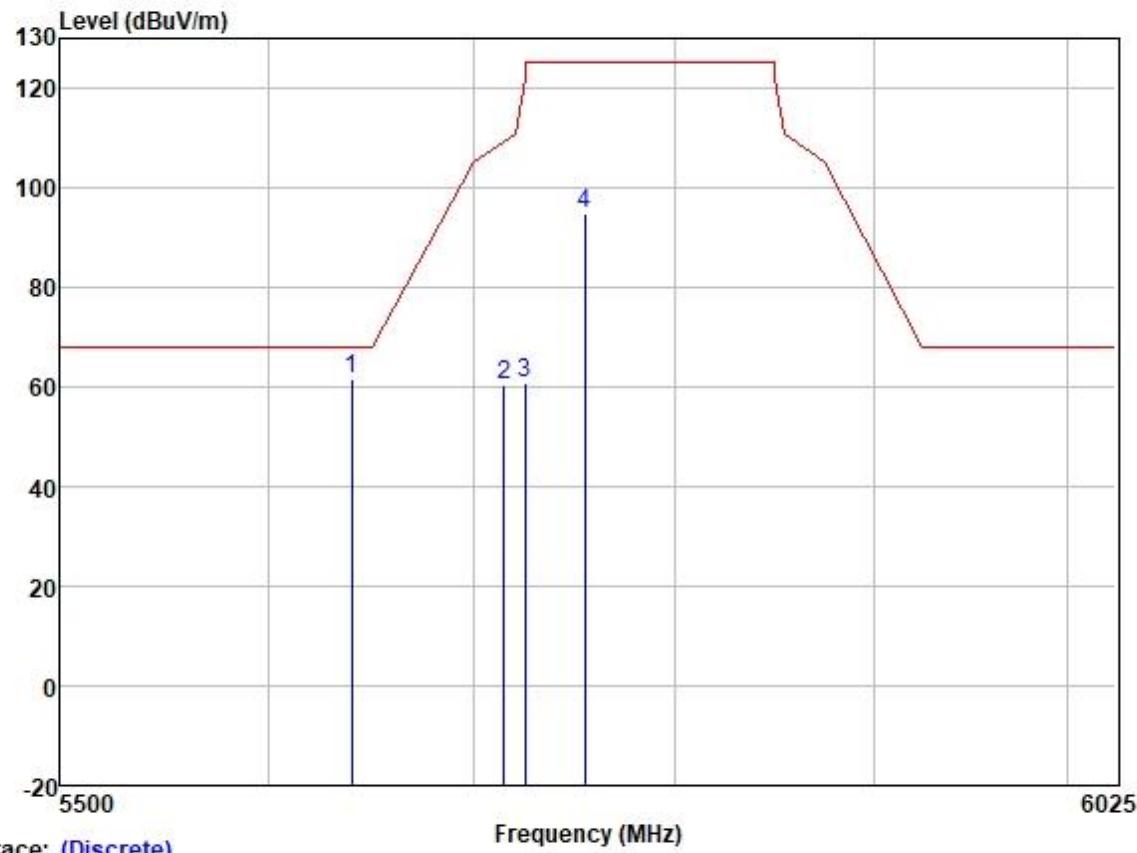
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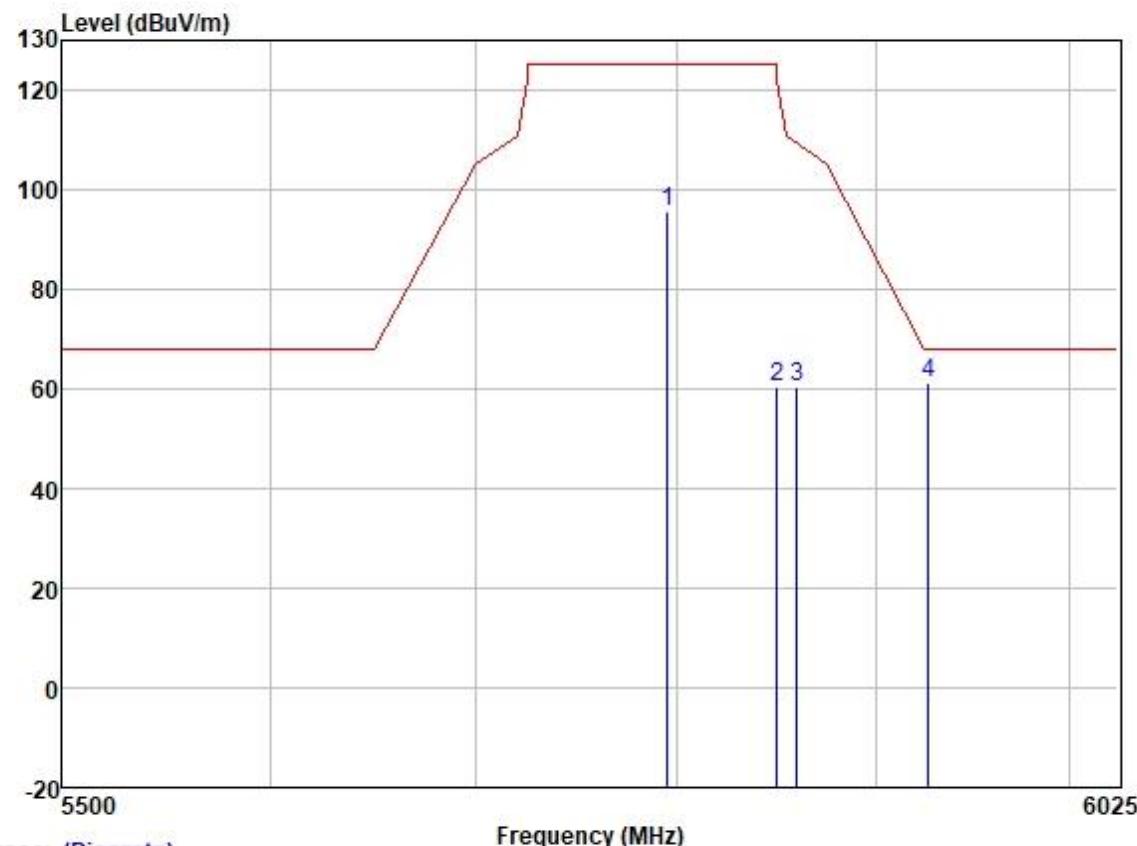
Test Mode: 40; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



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Test Mode: 40; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Race: (Discrete)

Freq	ReadAntenna		Cable		Preamp Loss Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB						
1	5795.000	94.37	32.19	6.10	36.89	95.77	125.20	-29.43	HORIZONTAL	Peak
2	5850.000	59.23	32.25	6.00	36.90	60.58	122.20	-61.62	HORIZONTAL	Peak
3	5860.000	59.04	32.27	5.96	36.90	60.37	109.40	-49.03	HORIZONTAL	Peak
4	5927.327	59.93	32.34	6.00	36.90	61.37	68.20	-6.83	HORIZONTAL	Peak

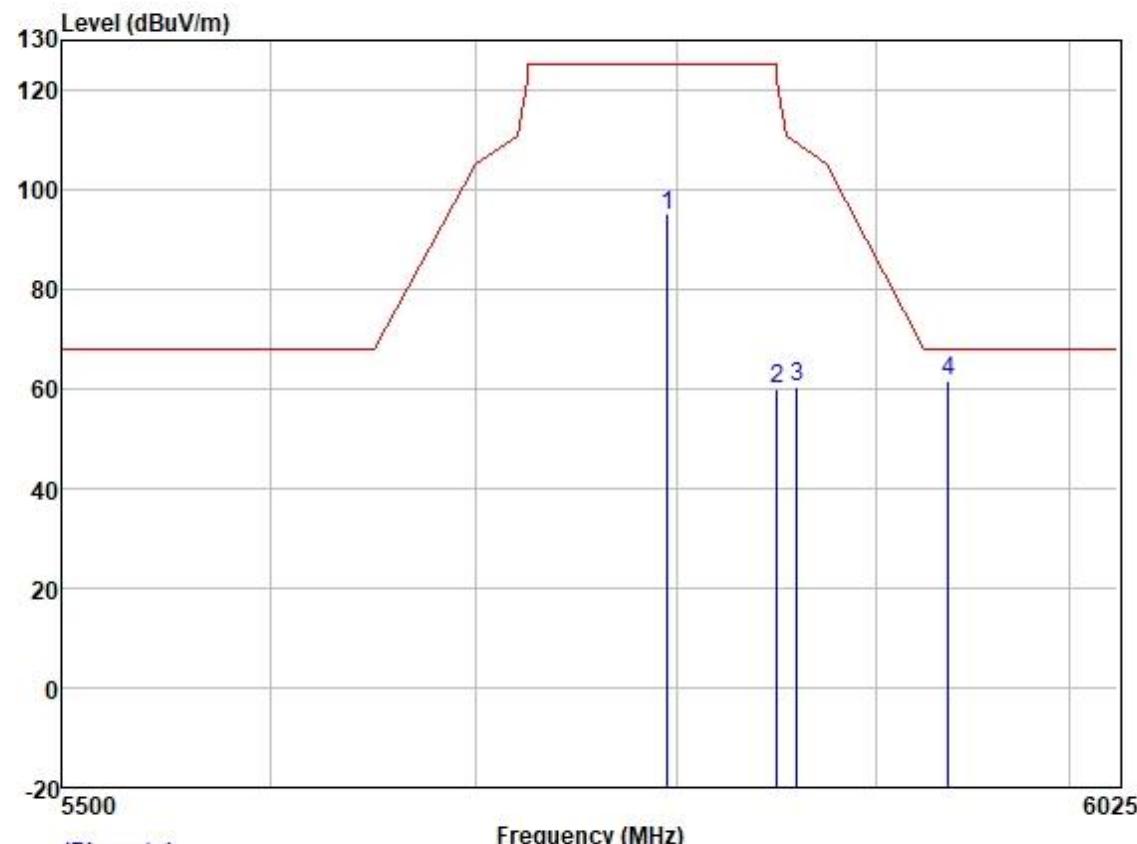
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Test Mode: 40; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Race: (Discrete)

Freq	ReadAntenna		Cable		Preamp Loss Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB						
1	5795.000	93.60	32.19	6.10	36.89	95.00	125.20	-30.20	VERTICAL	Peak
2	5850.000	58.61	32.25	6.00	36.90	59.96	122.20	-62.24	VERTICAL	Peak
3	5860.000	58.94	32.27	5.96	36.90	60.27	109.40	-49.13	VERTICAL	Peak
4	5937.071	60.23	32.34	6.00	36.90	61.67	68.20	-6.53	VERTICAL	Peak

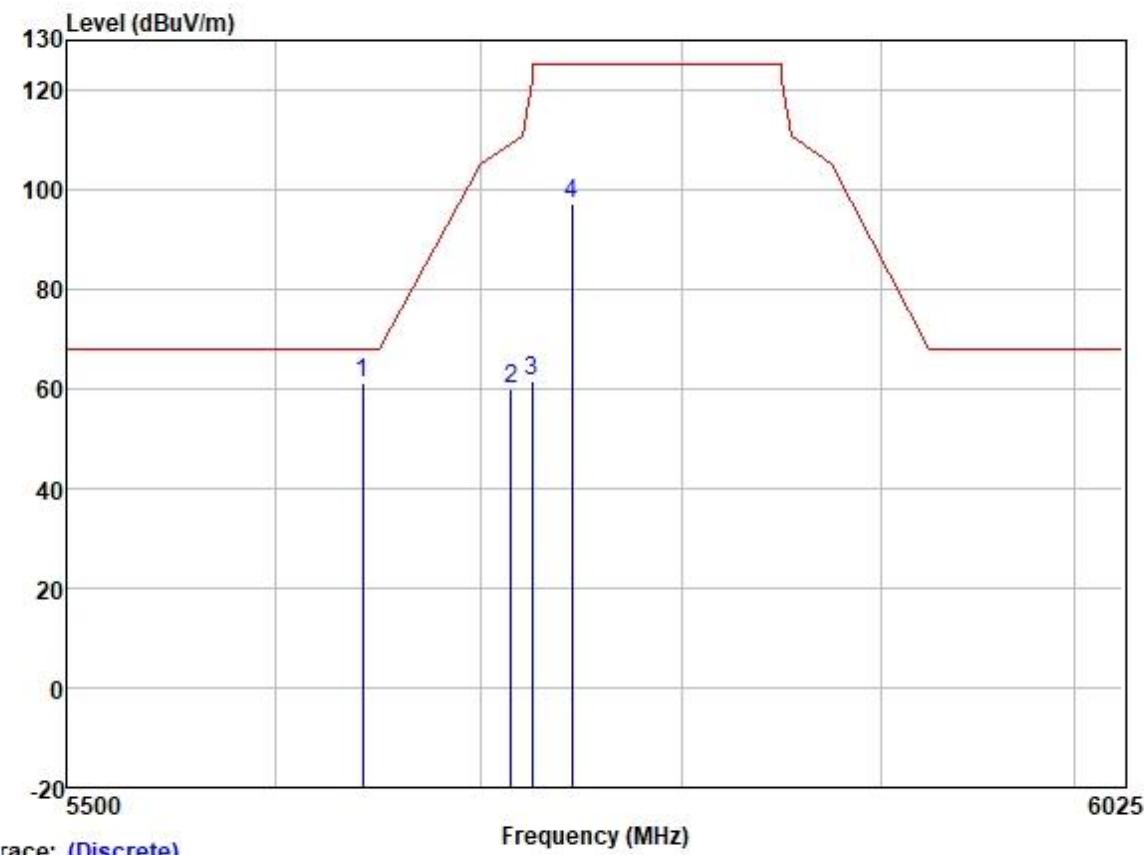
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Test Mode: 40; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Race: (Discrete)

Freq	ReadAntenna		Cable		Preamp Loss Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	Level Factor	dB						
1	5642.213	59.69	31.95	6.35	36.89	61.10	68.20	-7.10	HORIZONTAL	Peak
2	5715.000	58.50	32.04	6.33	36.89	59.98	109.40	-49.42	HORIZONTAL	Peak
3	5725.000	60.29	32.07	6.25	36.89	61.72	122.20	-60.48	HORIZONTAL	Peak
4	5745.000	95.96	32.10	6.20	36.89	97.37	125.20	-27.83	HORIZONTAL	Peak

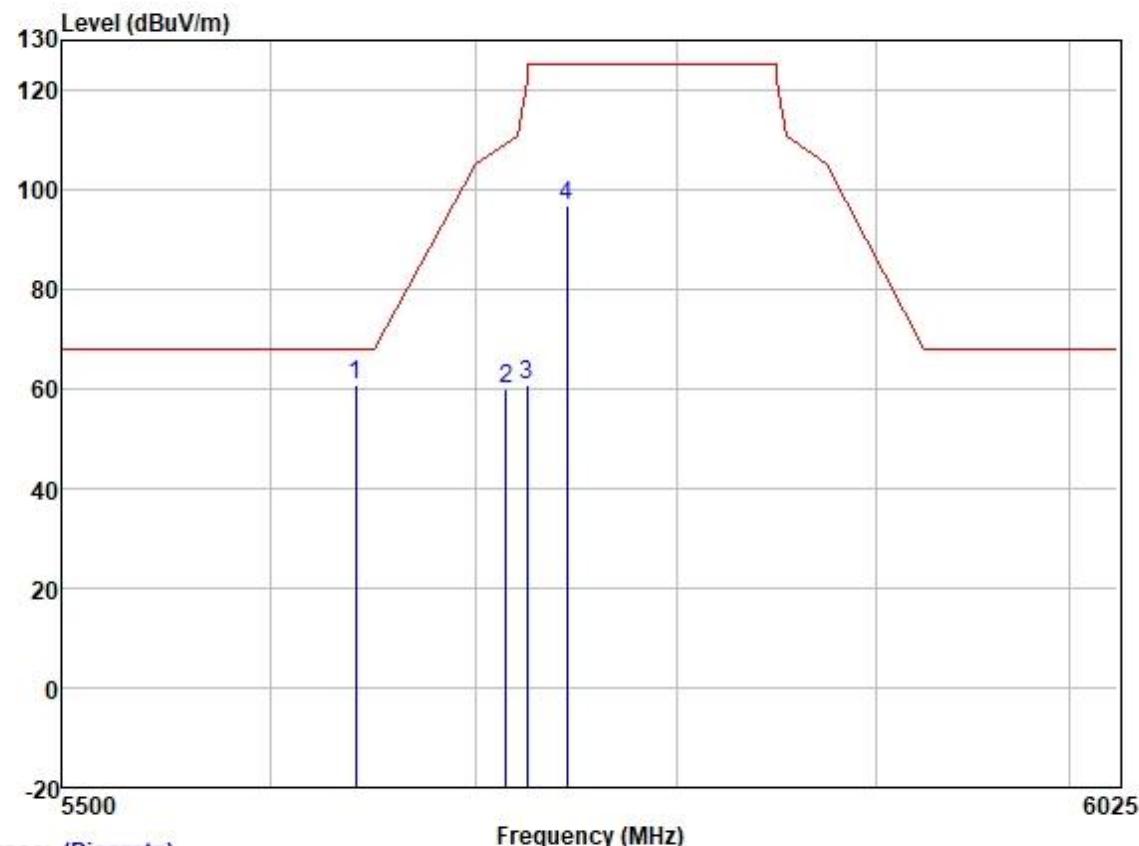
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Test Mode: 40; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Freq	ReadAntenna		Cable		Preamp Loss Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	Factor	dB						
1	5641.245	59.34	31.95	6.35	36.89	60.75	68.20	-7.45	VERTICAL	Peak
2	5715.000	58.56	32.04	6.33	36.89	60.04	109.40	-49.36	VERTICAL	Peak
3	5725.000	59.31	32.07	6.25	36.89	60.74	122.20	-61.46	VERTICAL	Peak
4	5745.000	95.20	32.10	6.20	36.89	96.61	125.20	-28.59	VERTICAL	Peak

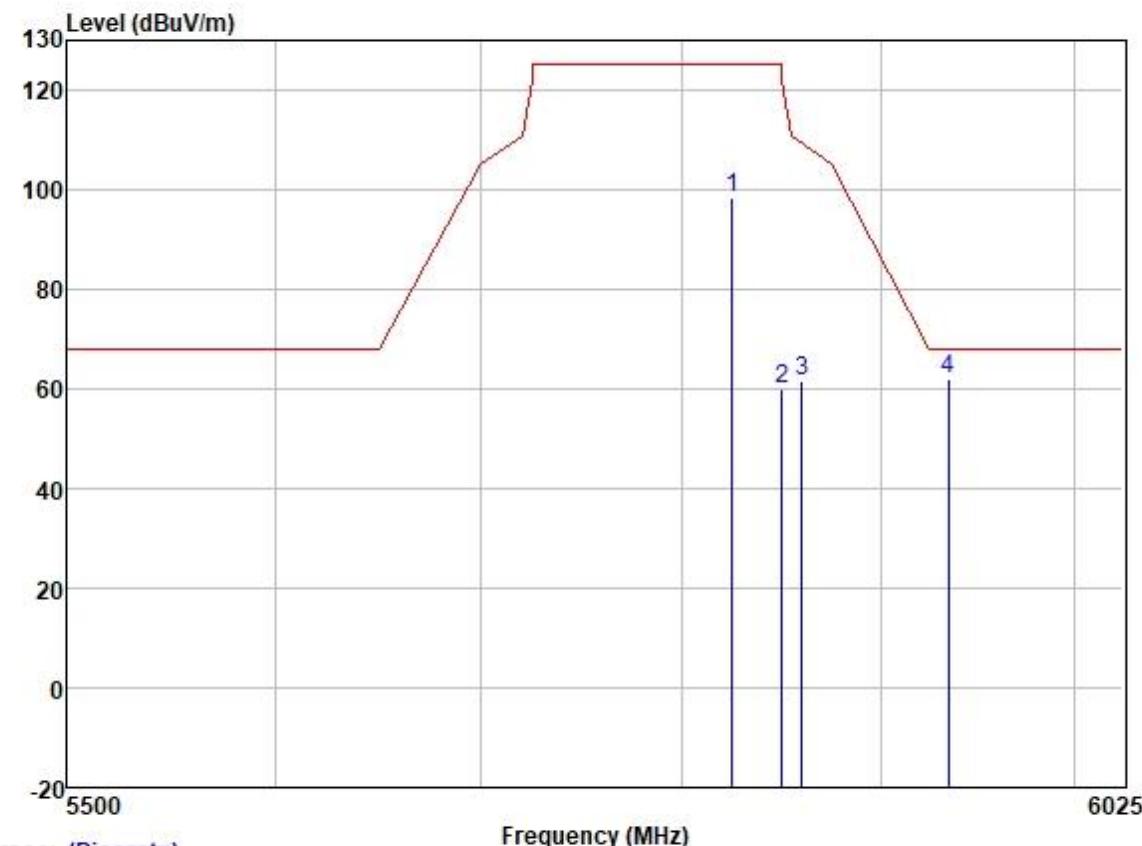
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Test Mode: 40; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Race: (Discrete)

Freq	ReadAntenna		Cable		Preamp Loss Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	Level Factor	dB						
1	5825.000	96.97	32.23	6.04	36.90	98.34	125.20	-26.86	HORIZONTAL	Peak
2	5850.000	58.78	32.25	6.00	36.90	60.13	122.20	-62.07	HORIZONTAL	Peak
3	5860.000	60.19	32.27	5.96	36.90	61.52	109.40	-47.88	HORIZONTAL	Peak
4	5934.643	60.70	32.34	6.00	36.90	62.14	68.20	-6.06	HORIZONTAL	Peak

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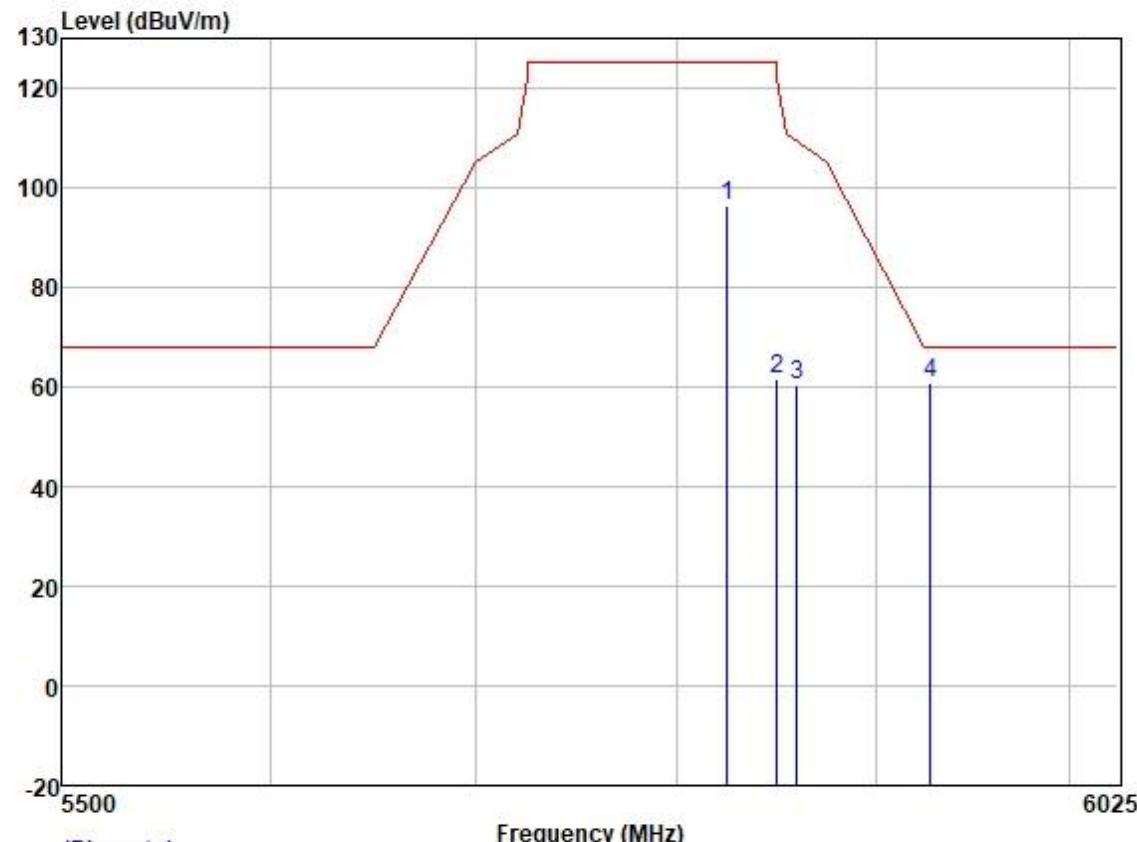
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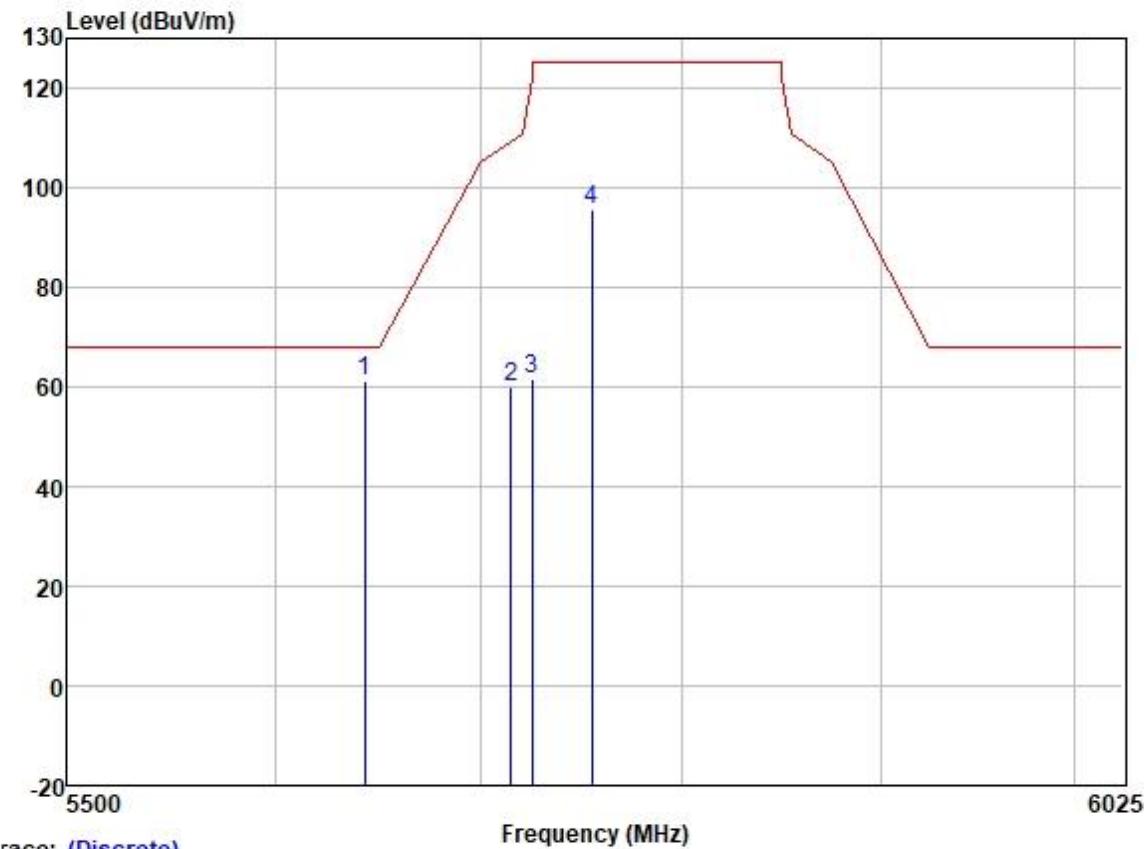
Test Mode: 40; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



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Test Mode: 40; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



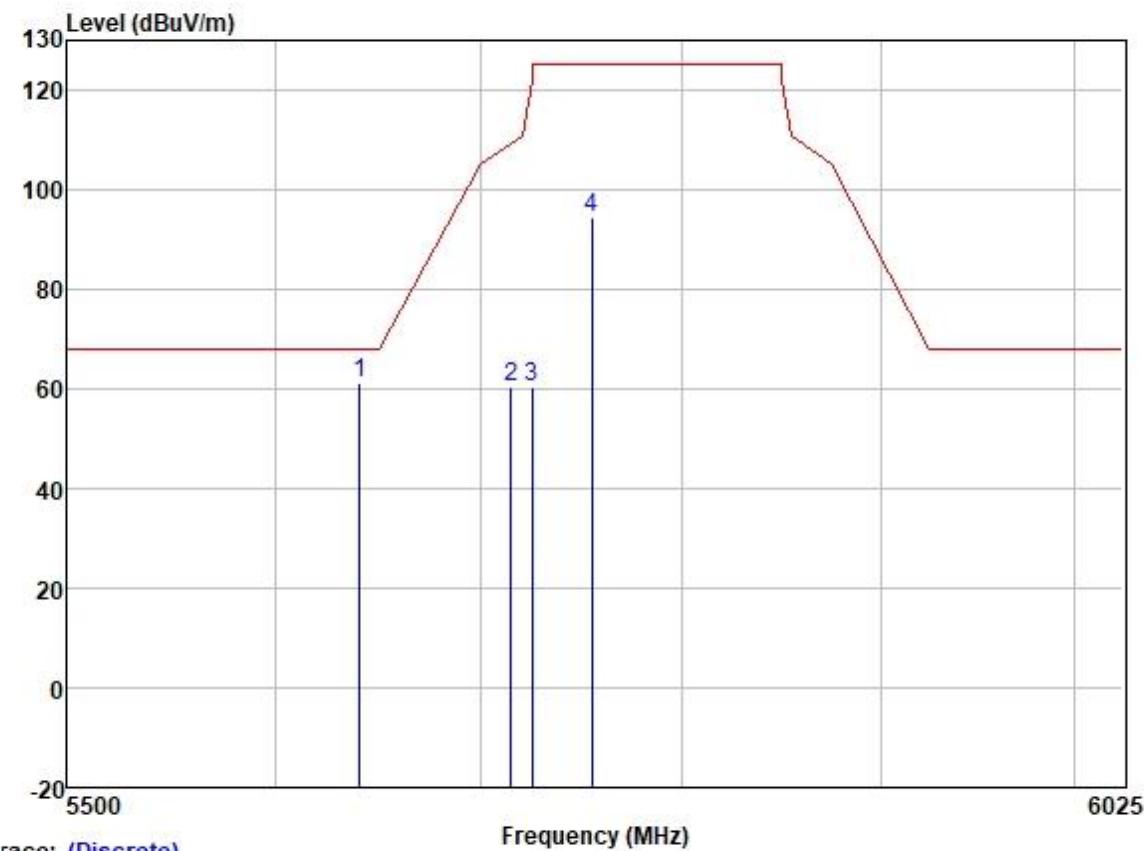
Freq	ReadAntenna		Cable		Preamp		Level	Limit	Over	Limit	Pol/Phase	Remark
	Level	Factor	Loss	Factor	Level	Line						
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB				
1	5643.212	59.83	31.95	6.35	36.89	61.24	68.20	-6.96	HORIZONTAL	Peak		
2	5715.000	58.54	32.04	6.33	36.89	60.02	109.40	-49.38	HORIZONTAL	Peak		
3	5725.000	59.98	32.07	6.25	36.89	61.41	122.20	-60.79	HORIZONTAL	Peak		
4	5755.000	94.05	32.10	6.20	36.89	95.46	125.20	-29.74	HORIZONTAL	Peak		

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Test Mode: 40; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Freq	ReadAntenna		Cable		Preamp Loss Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	Factor	dB						
1	5640.765	59.77	31.95	6.35	36.89	61.18	68.20	-7.02	VERTICAL	Peak
2	5715.000	58.91	32.04	6.33	36.89	60.39	109.40	-49.01	VERTICAL	Peak
3	5725.000	59.15	32.07	6.25	36.89	60.58	122.20	-61.62	VERTICAL	Peak
4	5755.000	92.87	32.10	6.20	36.89	94.28	125.20	-30.92	VERTICAL	Peak

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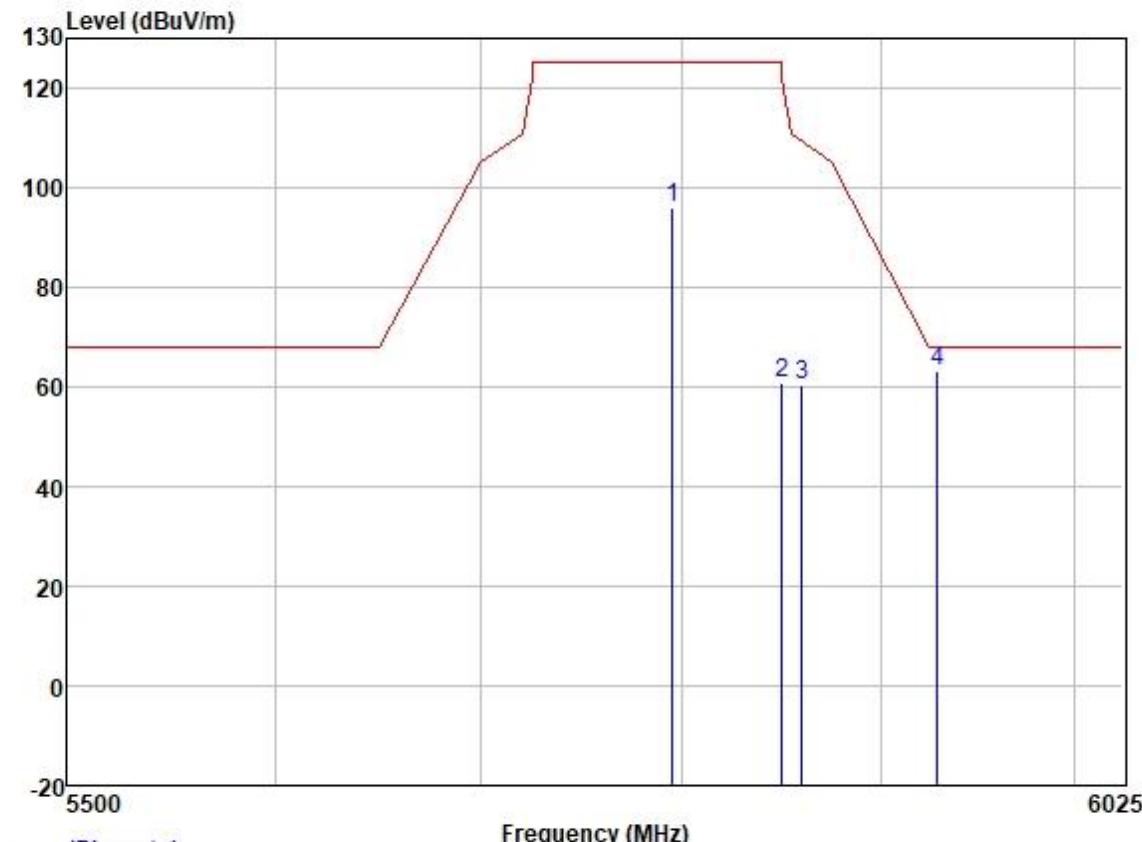
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Test Mode: 40; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

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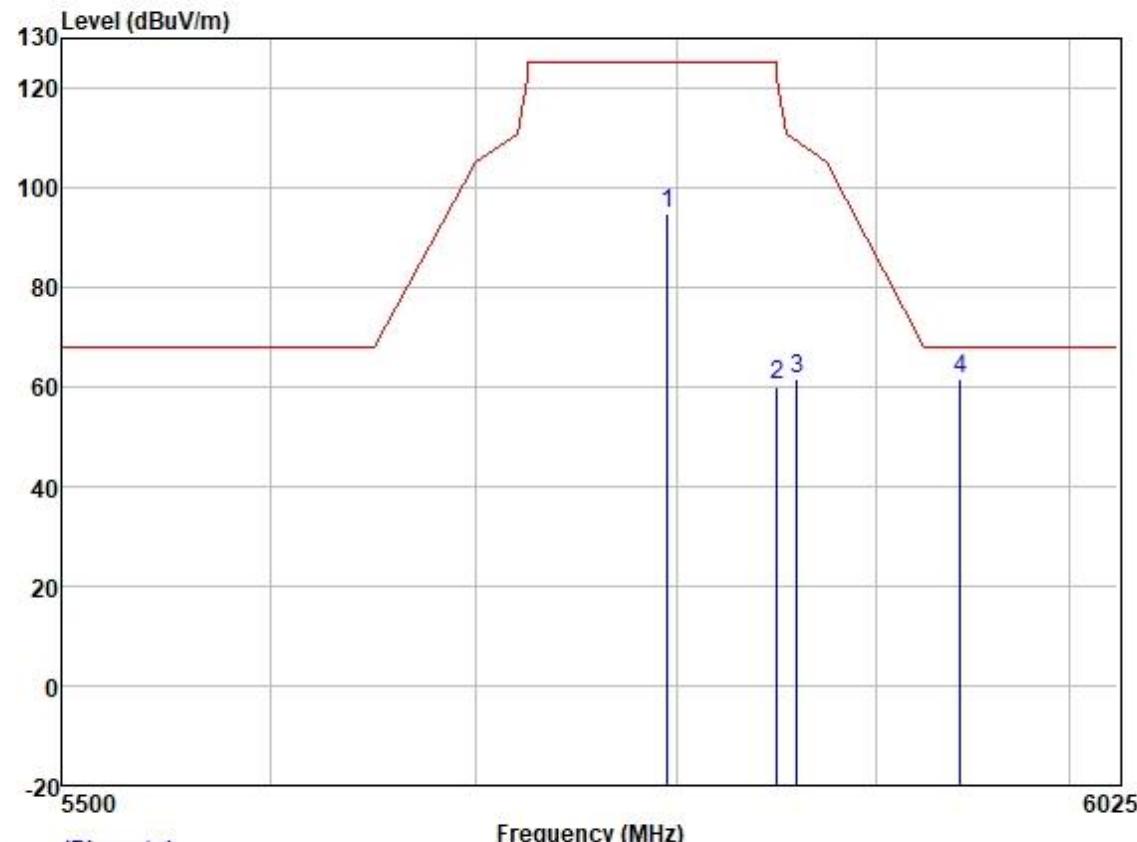
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Test Mode: 40; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Freq	ReadAntenna		Cable		Preamp Loss Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB						
1	5795.000	93.52	32.19	6.10	36.89	94.92	125.20	-30.28	VERTICAL	Peak
2	5850.000	58.85	32.25	6.00	36.90	60.20	122.20	-62.00	VERTICAL	Peak
3	5860.000	60.25	32.27	5.96	36.90	61.58	109.40	-47.82	VERTICAL	Peak
4	5943.373	60.15	32.36	6.05	36.90	61.66	68.20	-6.54	VERTICAL	Peak

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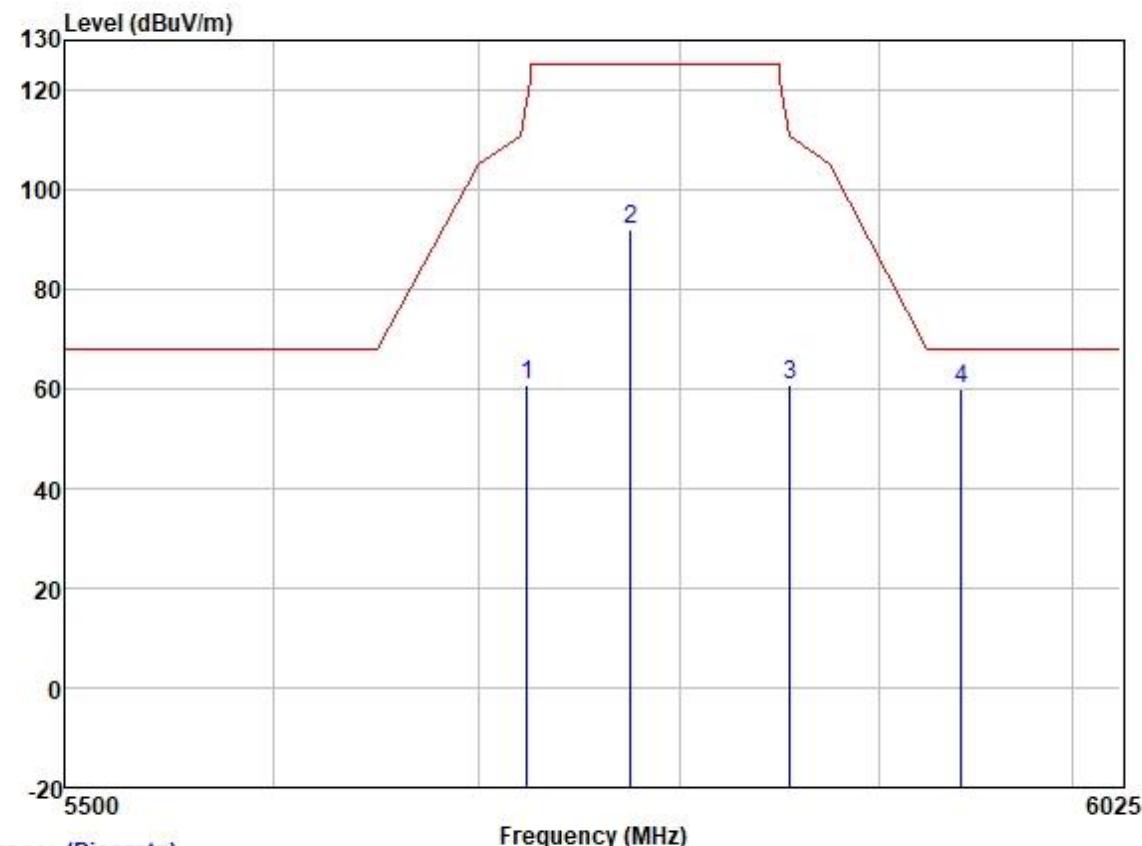
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Test Mode: 40; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Race: (Discrete)

Freq	ReadAntenna		Cable		Preamp Loss Factor	dB	dB	Limit Level	Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	Level	Factor								
1	5723.486	59.39	32.07	6.25	36.89	60.82	118.75	-57.93	HORIZONTAL	Peak		
2	5775.000	90.69	32.16	6.10	36.89	92.06	125.20	-33.14	HORIZONTAL	Peak		
3	5855.199	59.40	32.25	6.00	36.90	60.75	110.74	-49.99	HORIZONTAL	Peak		
4	5942.496	58.66	32.36	6.05	36.90	60.17	68.20	-8.03	HORIZONTAL	Peak		

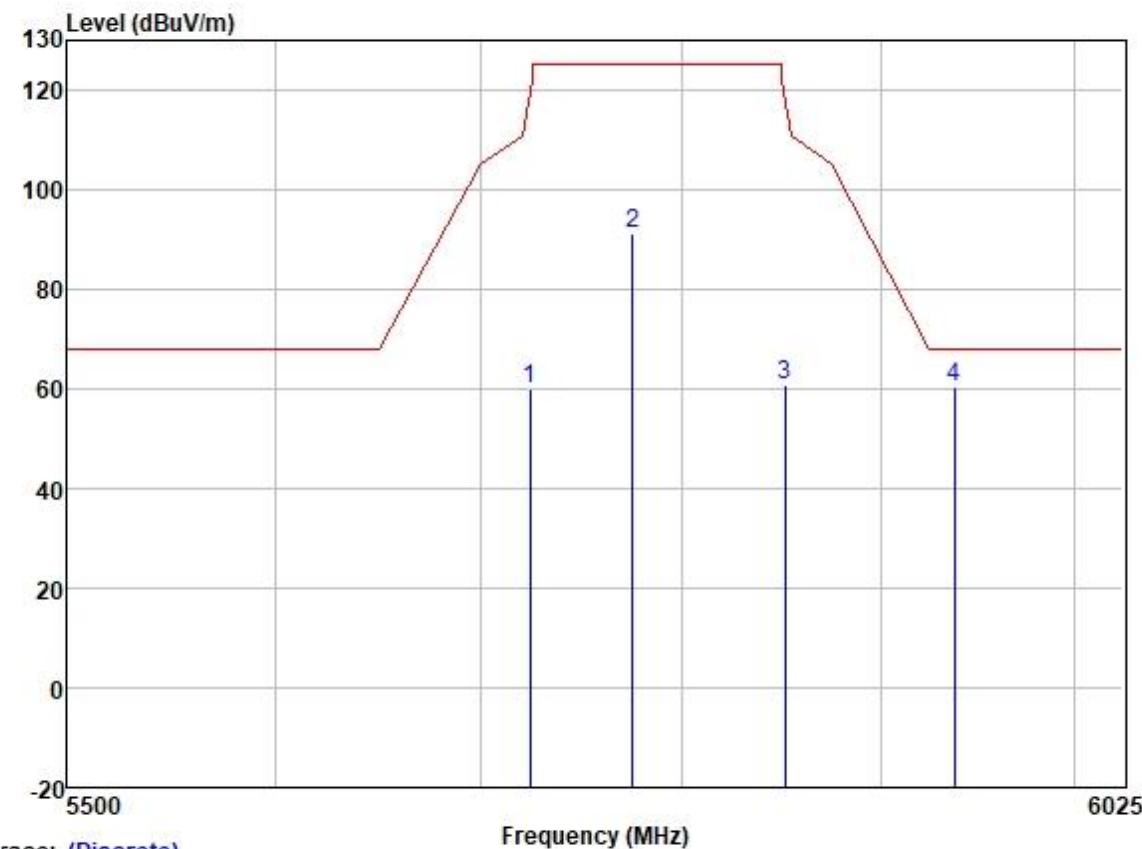
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Test Mode: 40; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Race: (Discrete)

Freq	ReadAntenna		Cable		Preamp Loss Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	Level Factor	dB						
1	5724.088	58.73	32.07	6.25	36.89	60.16	120.12	-59.96	VERTICAL	Peak
2	5775.000	89.84	32.16	6.10	36.89	91.21	125.20	-33.99	VERTICAL	Peak
3	5851.808	59.60	32.25	6.00	36.90	60.95	118.08	-57.13	VERTICAL	Peak
4	5937.803	58.83	32.34	6.00	36.90	60.27	68.20	-7.93	VERTICAL	Peak

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7.9 Radiated Emissions (below 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 & 15.407(b)

Test Method: KDB 789033 D02 II G

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

*(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(4) For transmitters operating in the 5.725-5.85 GHz band:

(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

7.9.1 E.U.T. Operation

Operating Environment:

Temperature: 25.5 °C Humidity: 68.6 % RH Atmospheric Pressure: 1010 mbar

7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	33	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of

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Final test 34

IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

Charge + TX mode (U-NII-1)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

Pre-scan 35

TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

Pre-scan 36

Charge + TX mode (U-NII-2A)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

Pre-scan 37

TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

Pre-scan 38

Charge + TX mode (U-NII-2C)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

Pre-scan 39

TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

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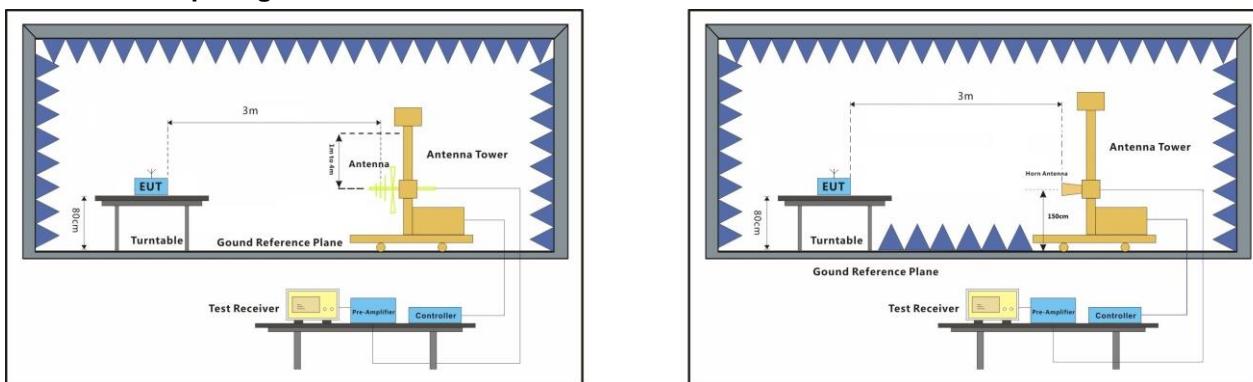
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Pre-scan 40

Charge + TX mode (U-NII-3)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

7.9.3 Test Setup Diagram



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7.9.4 Measurement Procedure and Data

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. For emission below 1GHz, through the pre-scan found the worst case is the lowest channel of 802.11a. Only the worst case is recorded in the report.
3. Scan from 9kHz to 1GHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

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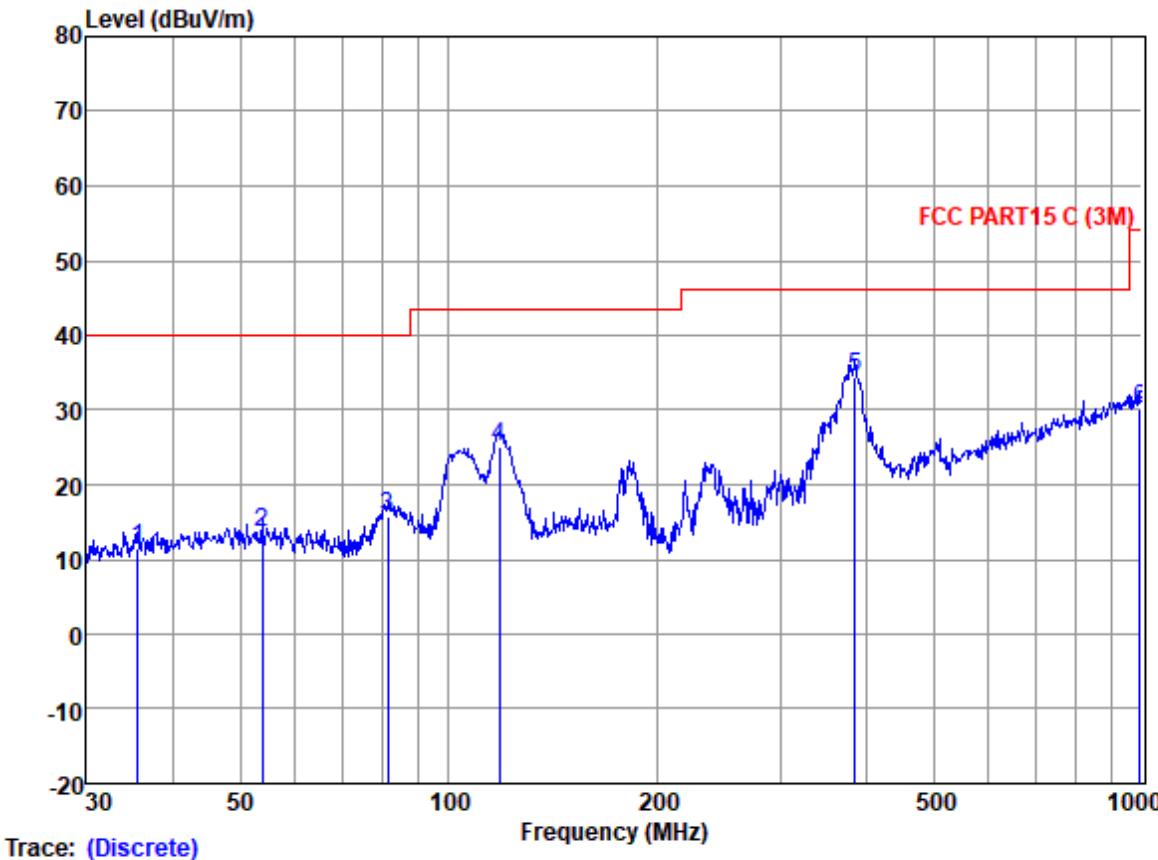


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Test Mode: 34; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : SGS
Job :
Model :
Power :
Test Mode :

Freq	Read	Antenna	Cable	Preamp	Measured	Limit	Over	Pol/	Remark
	Level	Factor	Loss	Factor	Level	Line	Limit	Phase	
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dBuV		
1	35.62	24.69	12.97	1.07	27.18	11.55	40.00	-28.45	HORIZONTAL QP
2	53.69	25.69	13.83	1.17	27.17	13.52	40.00	-26.48	HORIZONTAL QP
3	81.50	32.71	8.56	1.49	27.09	15.67	40.00	-24.33	HORIZONTAL QP
4	118.19	39.68	10.70	1.85	27.04	25.19	43.50	-18.31	HORIZONTAL QP
5	385.28	42.42	15.50	3.87	27.27	34.52	46.00	-11.48	HORIZONTAL QP
6	993.01	26.23	24.23	7.37	27.67	30.16	54.00	-23.84	HORIZONTAL QP

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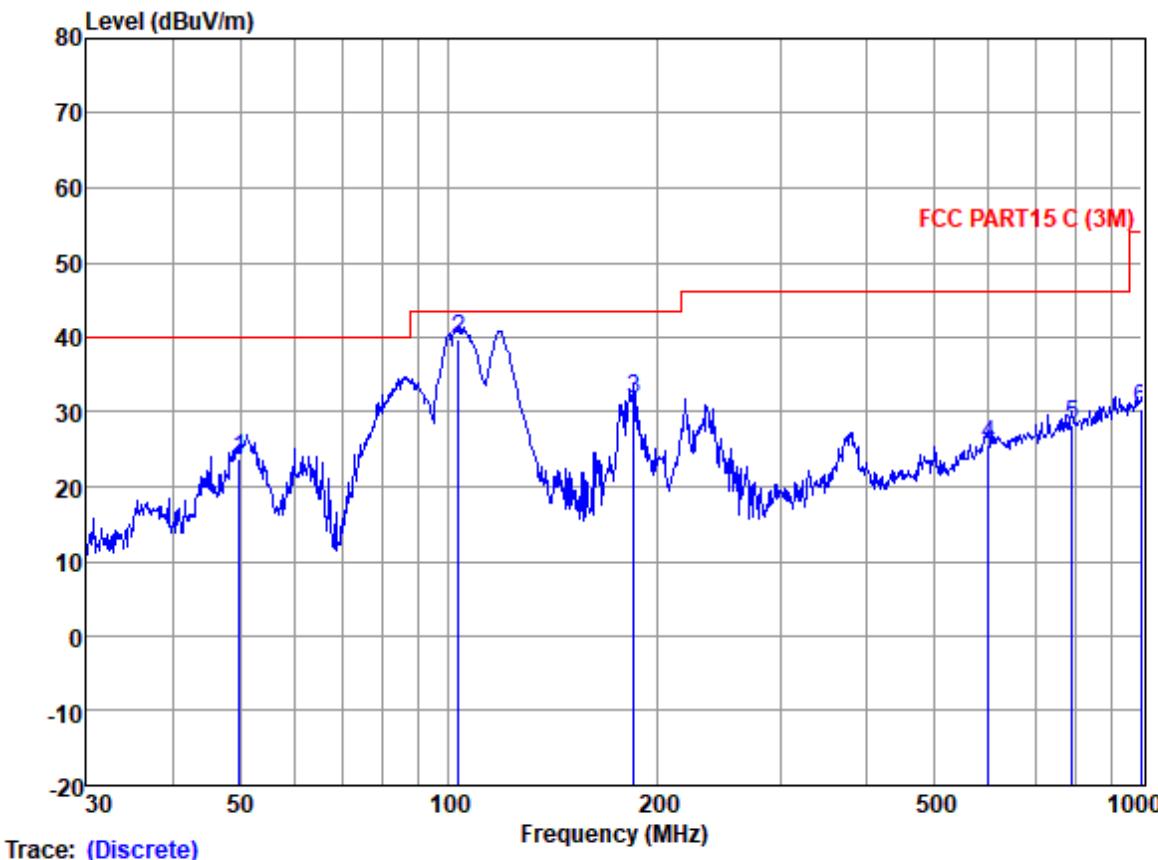
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Test Mode: 34; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : SGS
Job :
Model :
Power :
Test Mode :

Freq	Read	Antenna	Cable	Preamp	Measured	Limit	Over	Pol/	Remark
	Level	Factor	Loss	Factor	Level	Line	Limit	Phase	
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dBuV		
1 49.88	35.90	13.91	1.14	27.17	23.78	40.00	-16.22	VERTICAL	QP
2 103.08	55.35	9.60	1.74	27.07	39.62	43.50	-3.88	VERTICAL	QP
3 184.49	44.60	11.43	2.47	26.75	31.75	43.50	-11.75	VERTICAL	QP
4 599.32	28.72	19.90	5.14	28.21	25.55	46.00	-20.45	VERTICAL	QP
5 793.40	27.60	22.53	6.14	28.04	28.23	46.00	-17.77	VERTICAL	QP
6 996.50	26.24	24.27	7.43	27.66	30.28	54.00	-23.72	VERTICAL	QP

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7.10 Radiated Emissions (above 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 & 15.407(b)

Test Method: KDB 789033 D02 II G

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

*(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(2) For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(4) For transmitters operating in the 5.725-5.85 GHz band:

(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

7.10.1 E.U.T. Operation

Operating Environment:

Temperature: 21.4 °C

Humidity: 54.3 % RH

Atmospheric Pressure: 1010 mbar

7.10.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	33	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of

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Final test 34

IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

Charge + TX mode (U-NII-1)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

Pre-scan 35

TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

Final test 36

Charge + TX mode (U-NII-2A)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

Pre-scan 37

TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

Final test 38

Charge + TX mode (U-NII-2C)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

Pre-scan 39

TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

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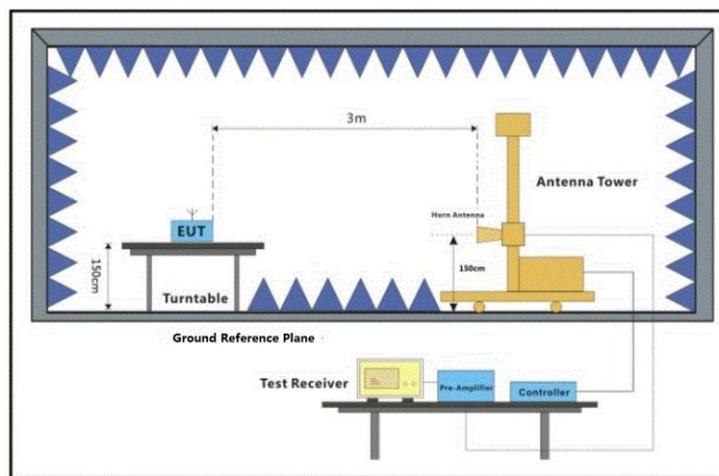
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Final test 40

Charge + TX mode (U-NII-3)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

7.10.3 Test Setup Diagram



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7.10.4 Measurement Procedure and Data

- a. The EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. Scan from 1GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
4. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

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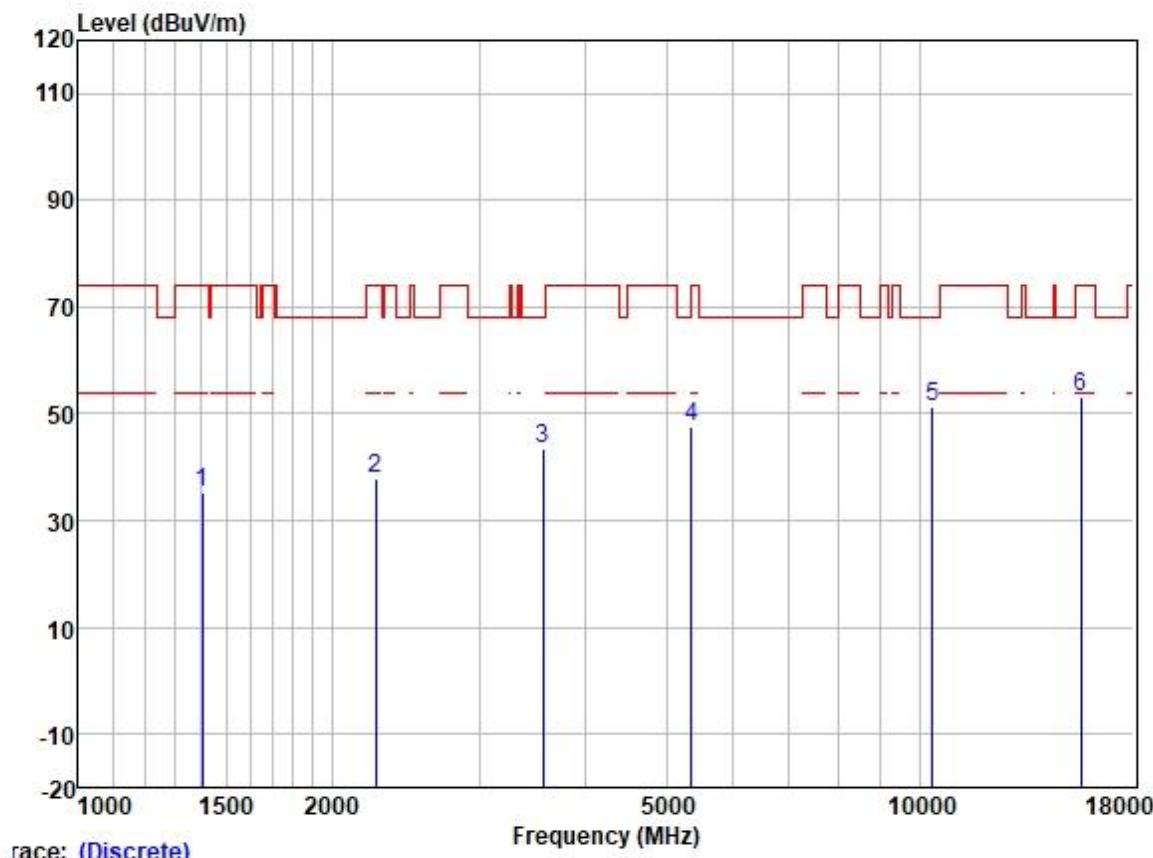
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Test Mode: 34; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

	ReadAntenna		Cable Preamp		Limit	Over	Line	Limit	Pol/Phase	Remark
	Freq	Level	Factor	Loss						
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1403.112	45.55	25.39	2.61	38.22	35.33	74.00	-38.67	HORIZONTAL	Peak
2	2254.413	45.28	26.92	3.26	37.64	37.82	74.00	-36.18	HORIZONTAL	Peak
3	3568.504	47.11	28.99	4.45	36.92	43.63	68.20	-24.57	HORIZONTAL	Peak
4	5363.767	46.66	31.78	6.03	36.88	47.59	74.00	-26.41	HORIZONTAL	Peak
5	10360.000	42.25	39.28	7.29	37.37	51.45	68.20	-16.75	HORIZONTAL	Peak
6	15540.000	39.70	39.05	9.88	35.39	53.24	74.00	-20.76	HORIZONTAL	Peak

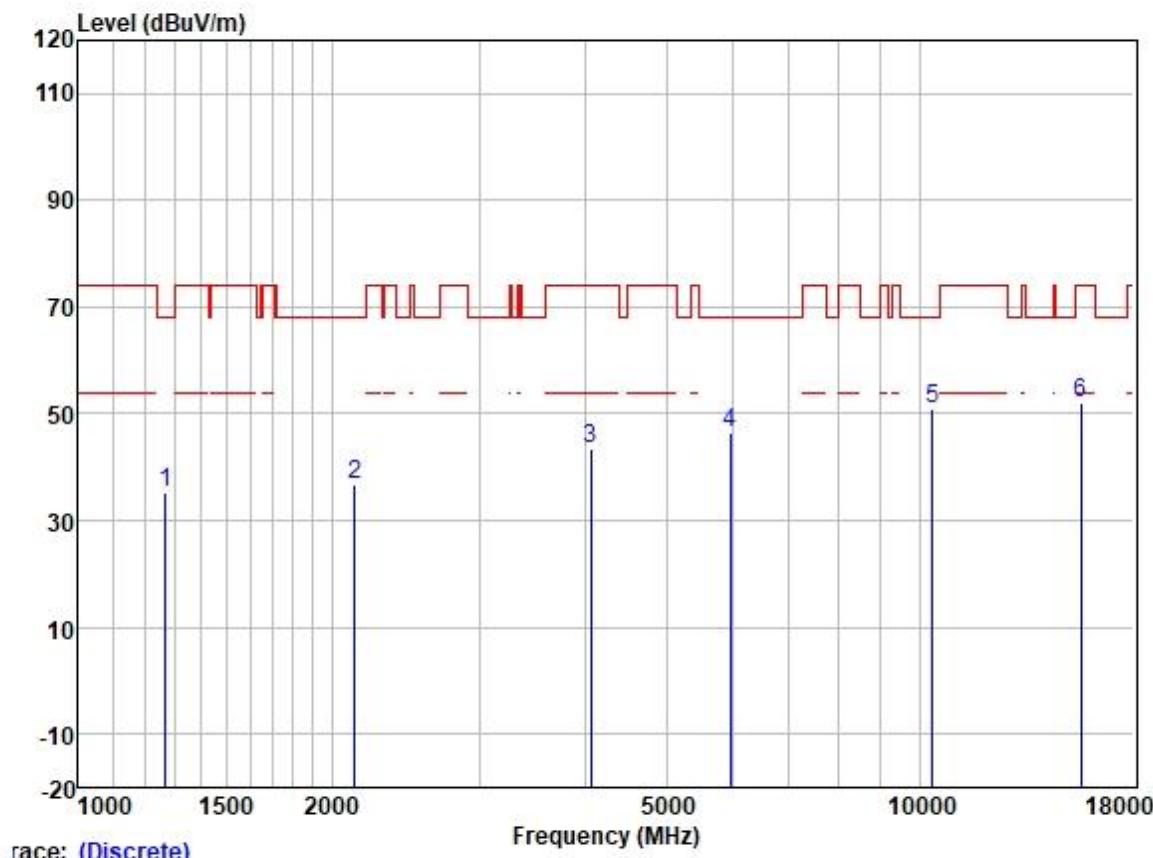
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Test Mode: 34; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Mode: (Discrete)

Line	Freq	ReadAntenna		Cable		Preamp	Loss	Factor	Level	Limit	Line	Over	Limit	Pol/Phase	Remark
		MHz	dBuV	Level	Factor				dB	dB	dBuV/m	dBuV/m	dB	dB	dB
1	1269.785	46.16	25.11	2.46	38.33	35.40	68.20	-32.80	VERTICAL	Peak					
2	2129.302	45.05	26.36	3.17	37.67	36.91	68.20	-31.29	VERTICAL	Peak					
3	4068.033	45.65	29.88	4.60	36.80	43.33	74.00	-30.67	VERTICAL	Peak					
4	5956.043	44.93	32.36	6.05	36.90	46.44	68.20	-21.76	VERTICAL	Peak					
5	10360.000	41.86	39.28	7.29	37.37	51.06	68.20	-17.14	VERTICAL	Peak					
6	15540.000	38.65	39.05	9.88	35.39	52.19	74.00	-21.81	VERTICAL	Peak					

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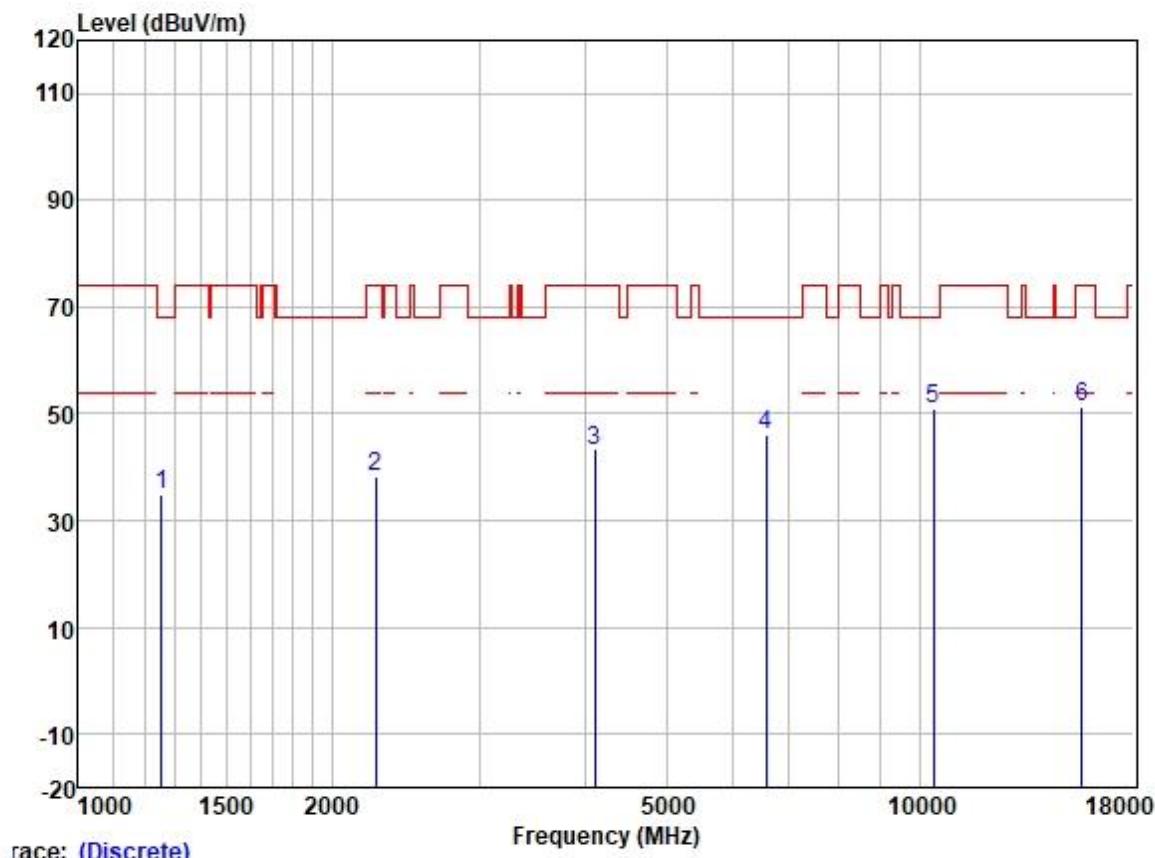
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Test Mode: 34; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle

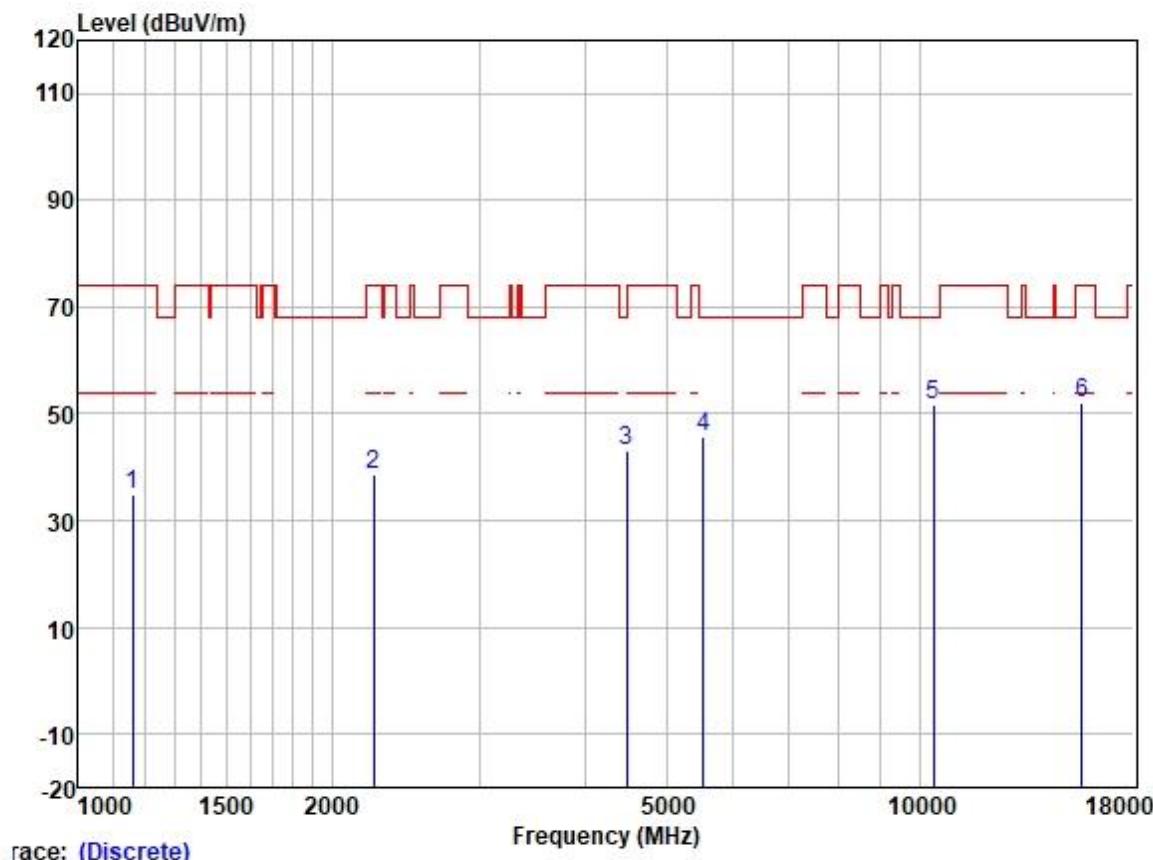


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Test Mode: 34; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle

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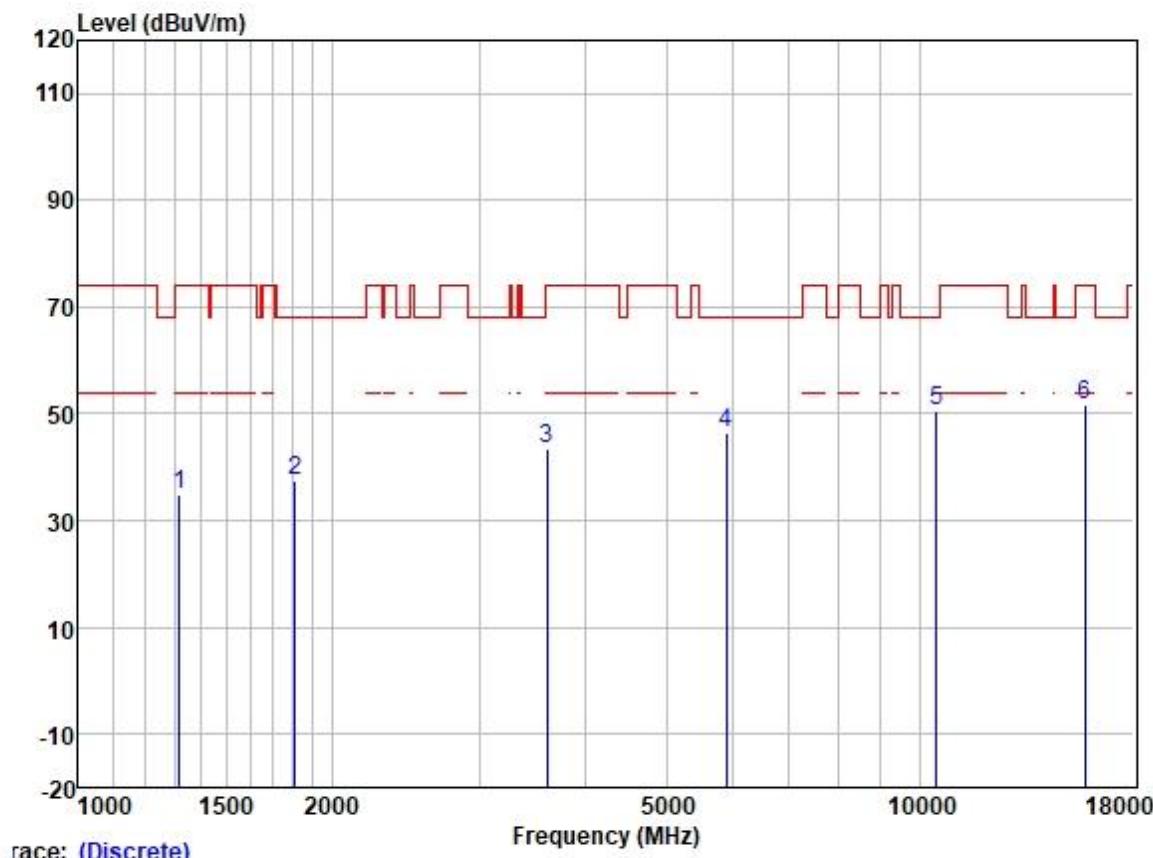
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Test Mode: 34; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Race: (Discrete)	ReadAntenna		Cable Preamp		Limit	Over	Limit Pol/Phase	Remark
	Freq	Level	Factor	Loss	Factor			
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	1319.078	45.47	25.25	2.60	38.29	35.03	74.00	-38.97 HORIZONTAL Peak
2	1808.445	46.46	25.95	2.99	37.81	37.59	68.20	-30.61 HORIZONTAL Peak
3	3607.288	46.77	29.05	4.50	36.91	43.41	74.00	-30.59 HORIZONTAL Peak
4	5890.569	45.11	32.31	5.90	36.90	46.42	68.20	-21.78 HORIZONTAL Peak
5	10480.000	40.96	39.46	7.40	37.36	50.46	68.20	-17.74 HORIZONTAL Peak
6	15720.000	38.42	38.78	9.87	35.39	51.68	74.00	-22.32 HORIZONTAL Peak

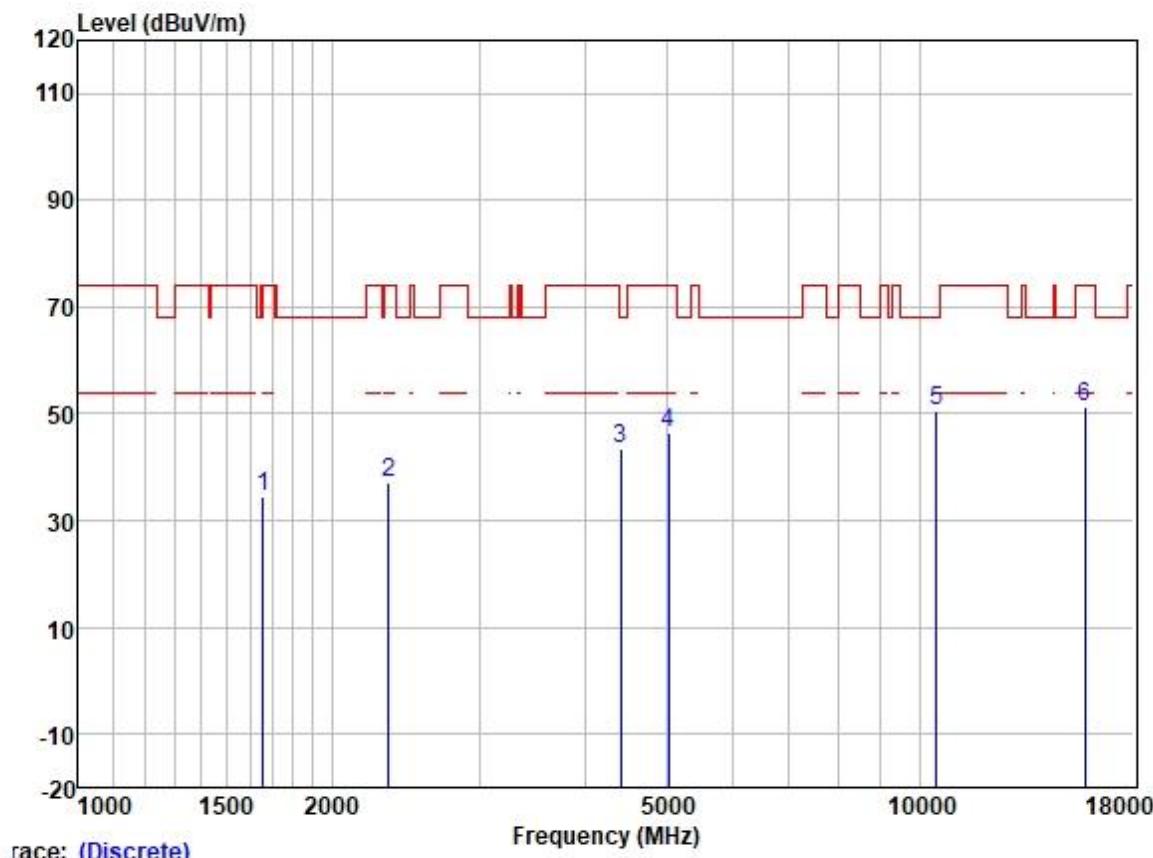
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Test Mode: 34; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

Freq	ReadAntenna		Cable		Preamp	Loss	Factor	Level	Limit	Line	Over	Limit	Pol/Phase	Remark
	MHz	dBuV	dB	dB										
1 1656.991	44.12	25.65	2.80	37.93	34.64	68.20	-33.56	VERTICAL	Peak					
2 2339.587	44.30	27.22	3.37	37.61	37.28	74.00	-36.72	VERTICAL	Peak					
3 4416.434	44.99	30.70	4.74	36.81	43.62	68.20	-24.58	VERTICAL	Peak					
4 5030.165	45.83	31.70	5.69	36.85	46.37	74.00	-27.63	VERTICAL	Peak					
5 10480.000	41.07	39.46	7.40	37.36	50.57	68.20	-17.63	VERTICAL	Peak					
6 15720.000	38.06	38.78	9.87	35.39	51.32	74.00	-22.68	VERTICAL	Peak					

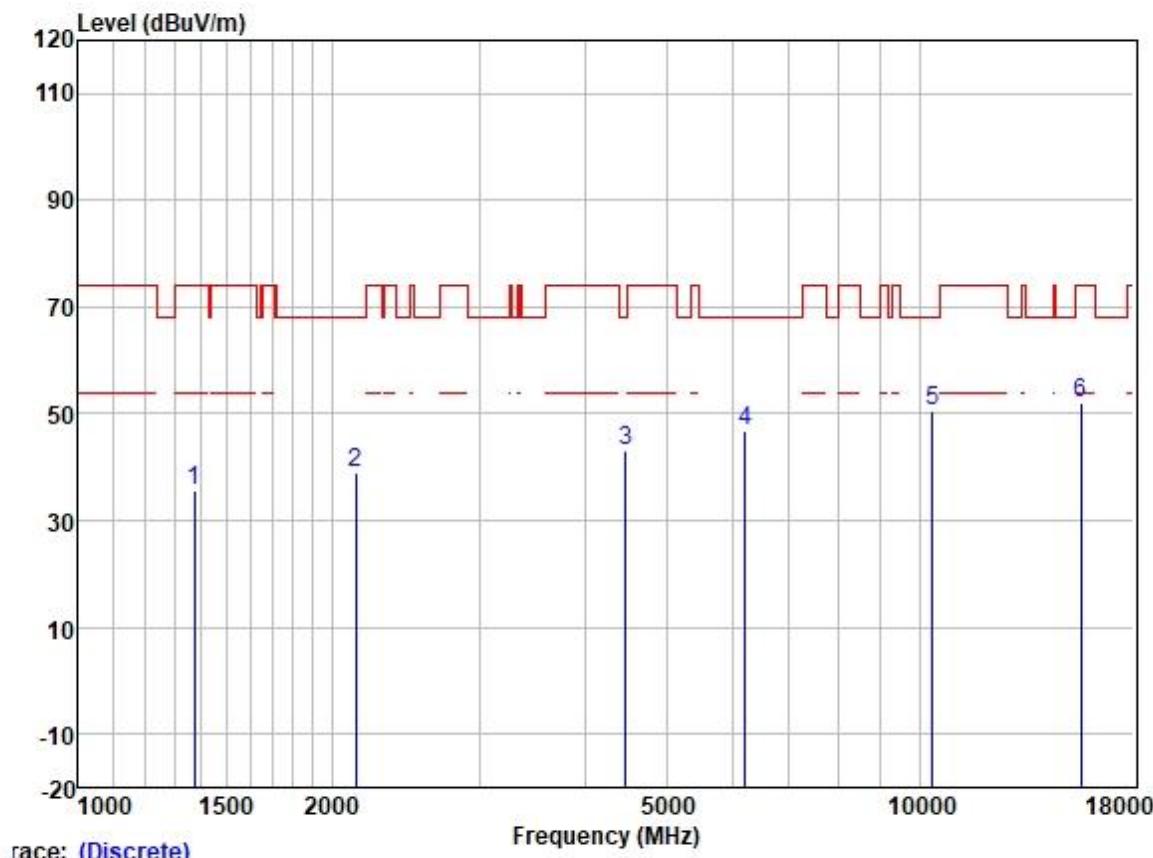
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Test Mode: 34; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Mode: (Discrete)

Freq	ReadAntenna		Cable Preamp		Limit	Over	Limit	Pol/Phase	Remark
	MHz	Level	Factor	Loss	Factor				
	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1375.089	45.77	25.35	2.60	38.25	35.47	74.00	-38.53	HORIZONTAL Peak
2	2137.946	46.95	26.39	3.18	37.66	38.86	68.20	-29.34	HORIZONTAL Peak
3	4469.948	44.24	30.77	4.93	36.81	43.13	68.20	-25.07	HORIZONTAL Peak
4	6210.575	44.69	33.03	6.06	36.94	46.84	68.20	-21.36	HORIZONTAL Peak
5	10360.000	41.39	39.28	7.29	37.37	50.59	68.20	-17.61	HORIZONTAL Peak
6	15540.000	38.42	39.05	9.88	35.39	51.96	74.00	-22.04	HORIZONTAL Peak

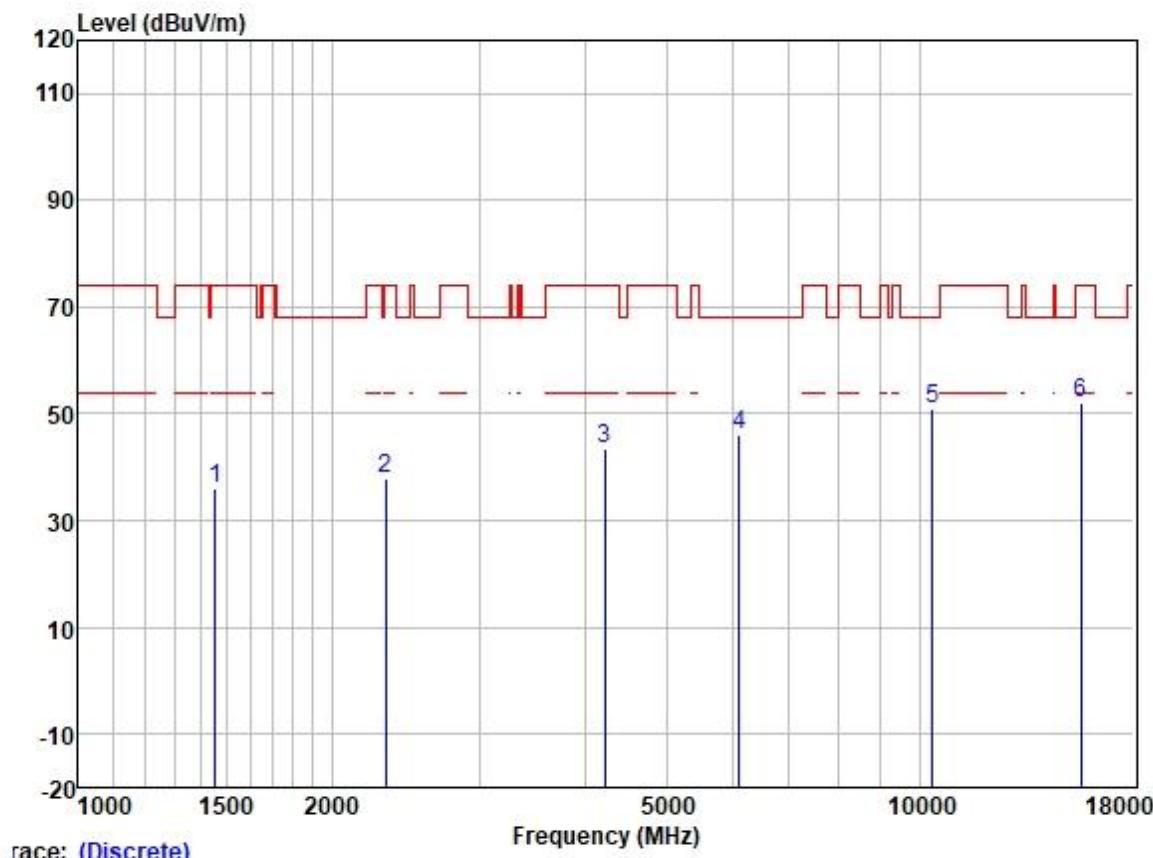
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Test Mode: 34; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Rate: (Discrete)

Freq	ReadAntenna		Cable		Preamp	Loss	Factor	Limit	Line	Over	Limit	Pol/Phase	Remark
	MHz	dBuV	Level	Factor									
1	1455.786	45.81	25.46	2.72	38.17	35.82	74.00	-38.18	VERTICAL	Peak			
2	2316.385	44.90	27.17	3.33	37.62	37.78	74.00	-36.22	VERTICAL	Peak			
3	4221.721	45.57	30.22	4.60	36.81	43.58	74.00	-30.42	VERTICAL	Peak			
4	6098.299	44.24	32.66	6.14	36.92	46.12	68.20	-22.08	VERTICAL	Peak			
5	10360.000	41.72	39.28	7.29	37.37	50.92	68.20	-17.28	VERTICAL	Peak			
6	15540.000	38.69	39.05	9.88	35.39	52.23	74.00	-21.77	VERTICAL	Peak			

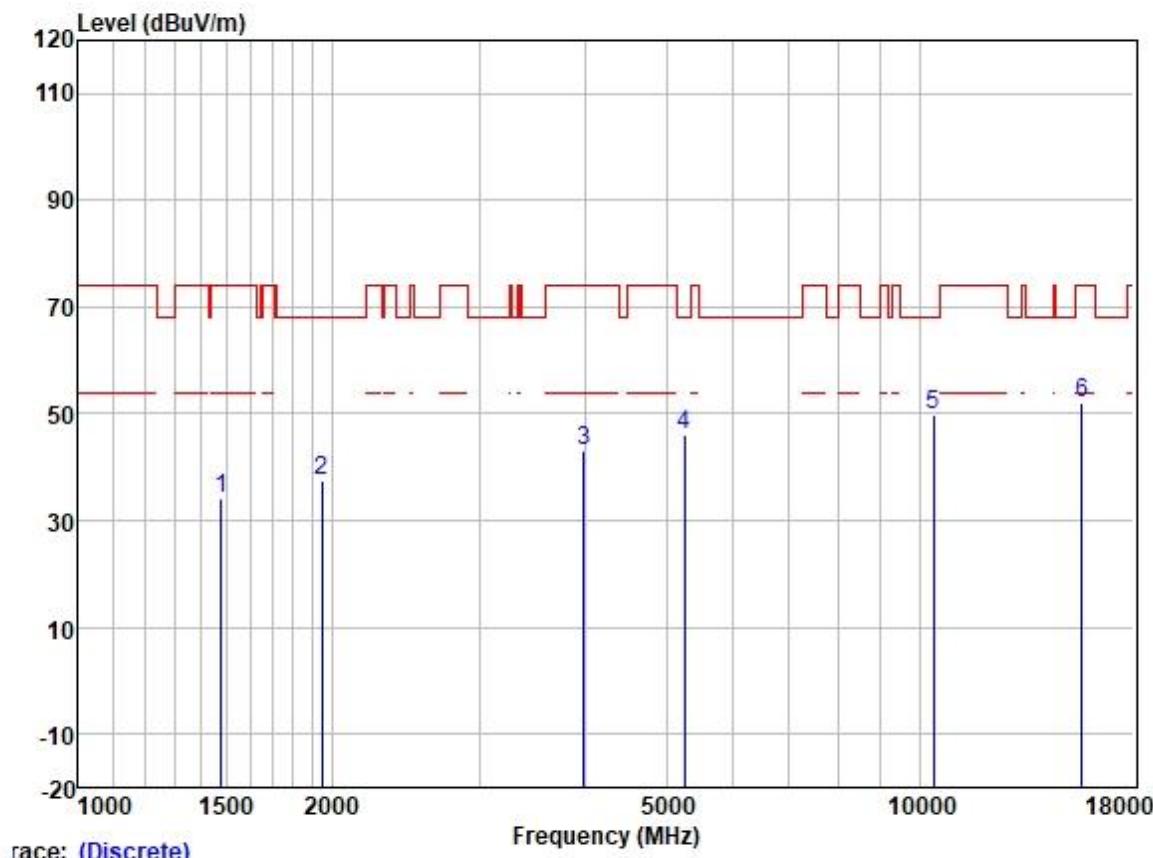
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Test Mode: 34; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Mode: (Discrete)

Freq	ReadAntenna		Cable		Preamp	Loss	Factor	Limit	Line	Over	Limit	Pol/Phase	Remark
	MHz	dBuV	Level	Factor									
1	1479.913	44.10	25.48	2.77	38.13	34.22	74.00	-39.78	HORIZONTAL	Peak			
2	1945.301	46.28	26.07	2.99	37.73	37.61	68.20	-30.59	HORIZONTAL	Peak			
3	3991.338	45.61	29.79	4.60	36.80	43.20	74.00	-30.80	HORIZONTAL	Peak			
4	5252.177	45.37	31.75	5.77	36.87	46.02	68.20	-22.18	HORIZONTAL	Peak			
5	10400.000	40.63	39.33	7.32	37.36	49.92	68.20	-18.28	HORIZONTAL	Peak			
6	15600.000	38.69	38.99	9.88	35.39	52.17	74.00	-21.83	HORIZONTAL	Peak			

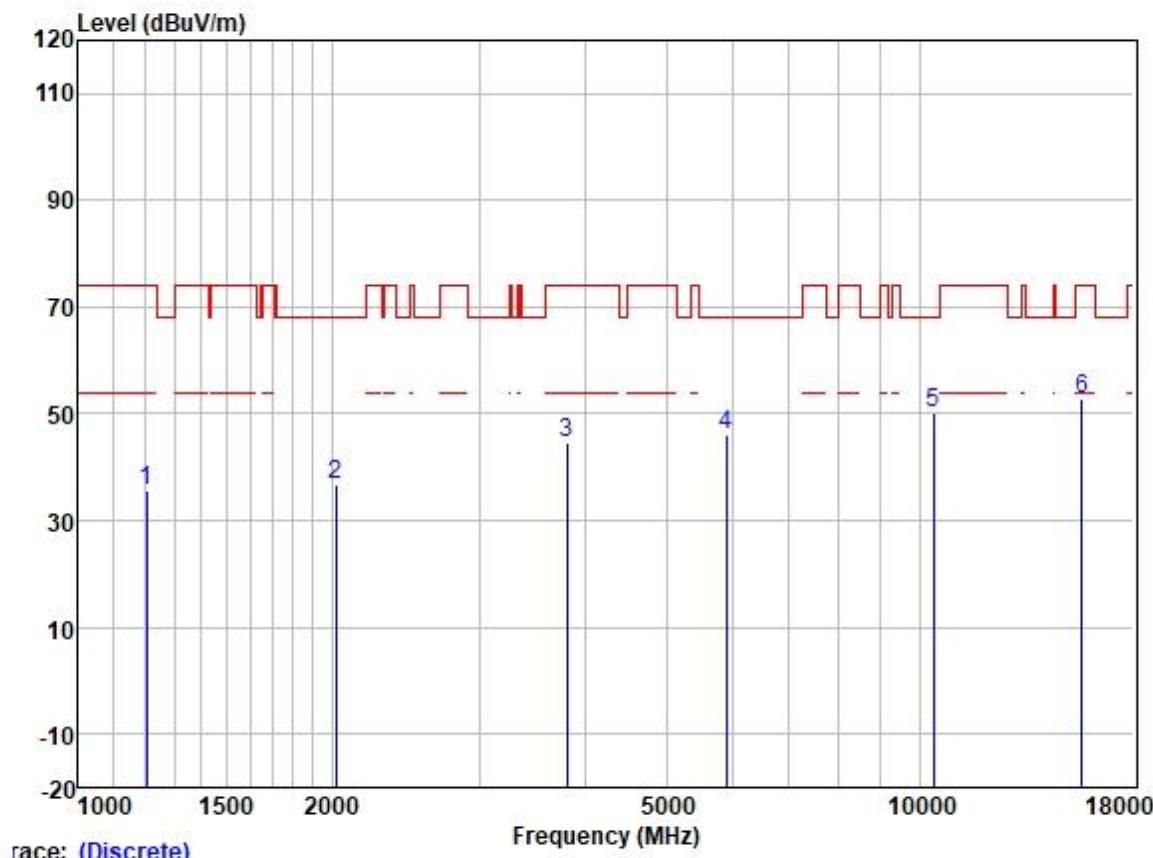
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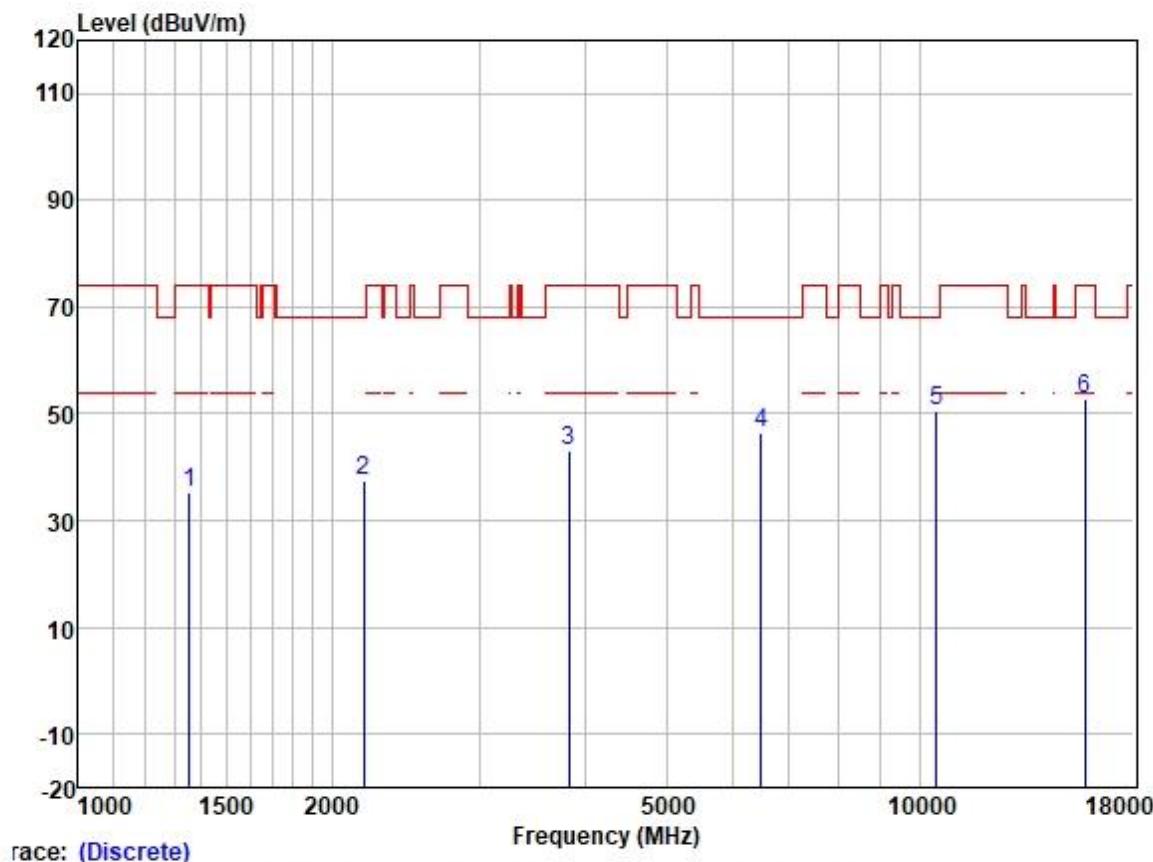
Test Mode: 34; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



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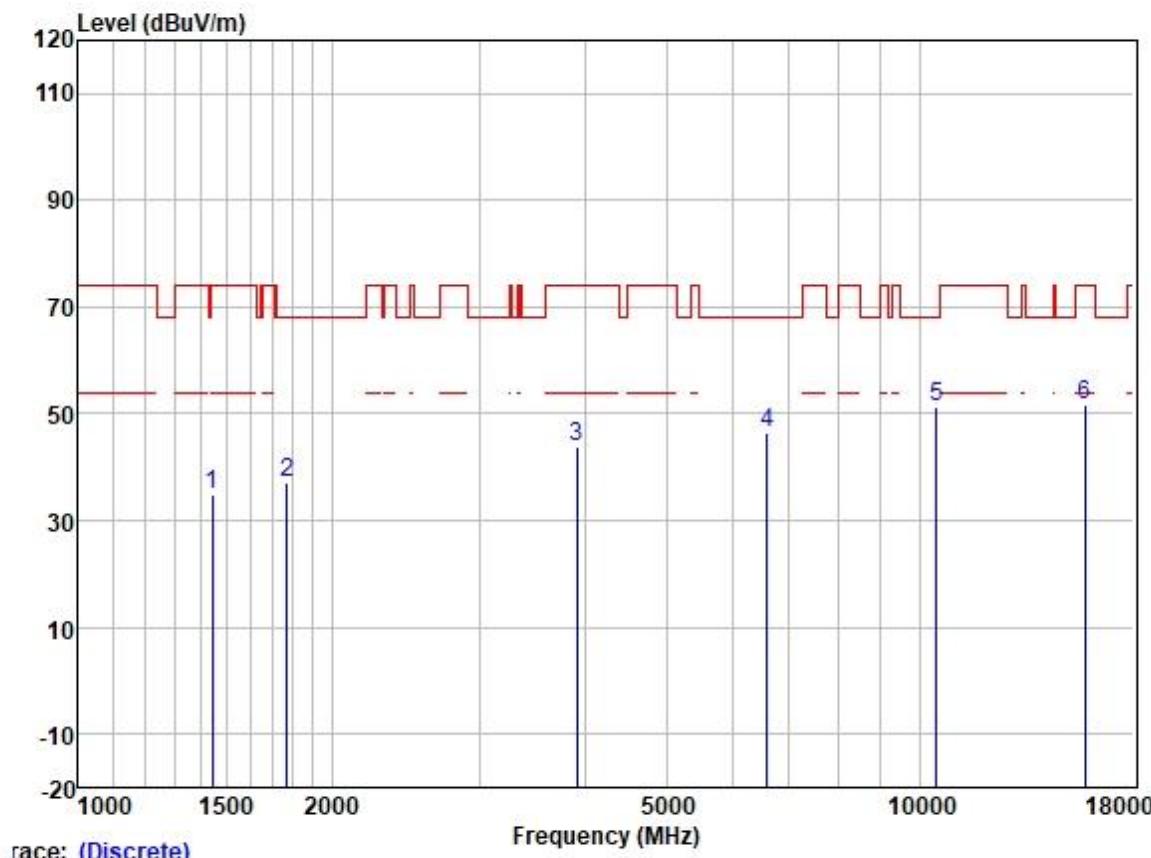
Test Mode: 34; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



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Test Mode: 34; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

Freq	ReadAntenna		Cable		Preamp	Loss	Factor	Level	Limit	Line	Over	Limit	Pol/Phase	Remark
	MHz	dBuV	dB	dB										
1	1442.715	45.03	25.44	2.69	38.17	34.99	74.00	-39.01	VERTICAL				Peak	
2	1772.502	46.19	25.90	2.95	37.83	37.21	68.20	-30.99	VERTICAL				Peak	
3	3912.383	46.29	29.70	4.60	36.82	43.77	74.00	-30.23	VERTICAL				Peak	
4	6588.017	43.35	34.13	5.84	37.04	46.28	68.20	-21.92	VERTICAL				Peak	
5	10480.000	41.80	39.46	7.40	37.36	51.30	68.20	-16.90	VERTICAL				Peak	
6	15720.000	38.59	38.78	9.87	35.39	51.85	74.00	-22.15	VERTICAL				Peak	

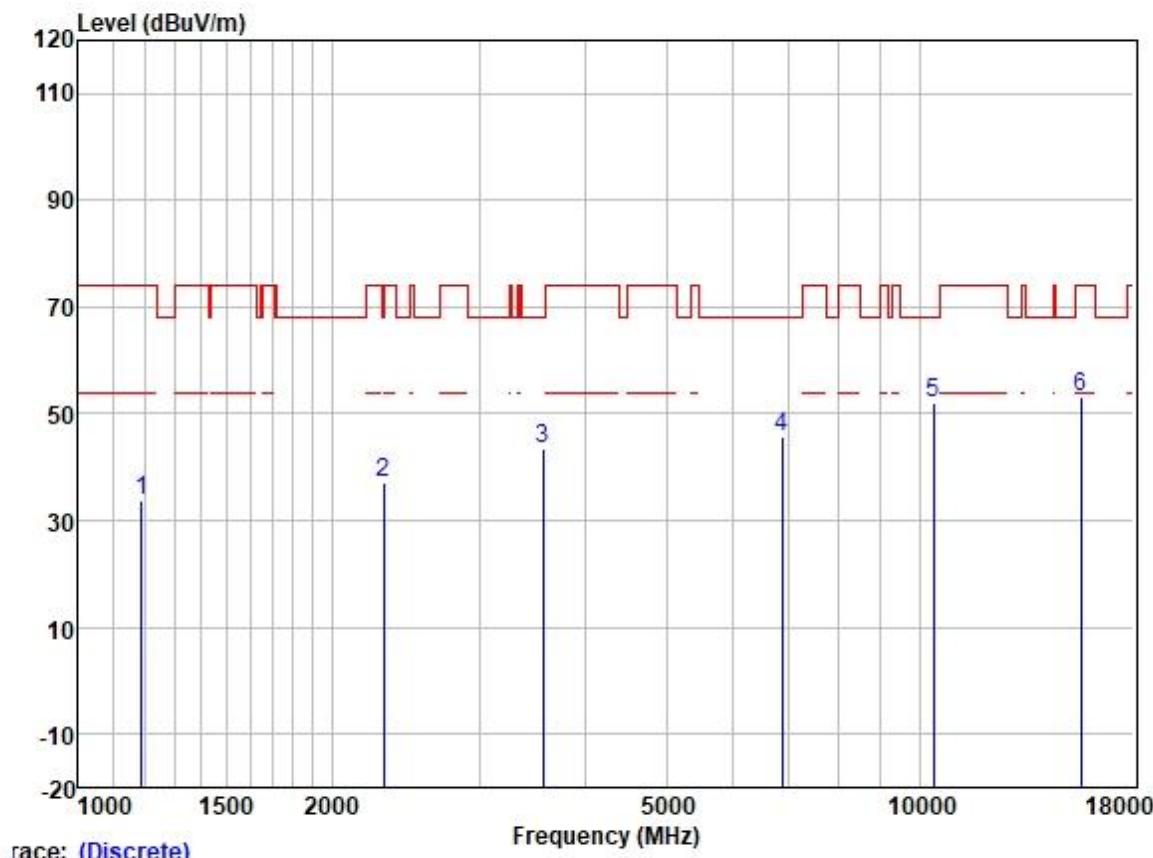
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Test Mode: 34; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Mode: (Discrete)

Index	Freq	ReadAntenna		Cable Preamp		Limit	Over	Line	Limit	Pol/Phase	Remark
		MHz	dBuV	Level Factor	Cable Loss						
1	1189.866	45.33	24.63	2.36	38.39	33.93	74.00	-40.07	HORIZONTAL	Peak	
2	2303.833	44.14	27.13	3.31	37.62	36.96	68.20	-31.24	HORIZONTAL	Peak	
3	3564.781	47.07	28.99	4.45	36.92	43.59	68.20	-24.61	HORIZONTAL	Peak	
4	6870.499	42.31	34.82	5.82	37.16	45.79	68.20	-22.41	HORIZONTAL	Peak	
5	10380.000	42.64	39.33	7.32	37.37	51.92	68.20	-16.28	HORIZONTAL	Peak	
6	15570.000	39.69	38.99	9.88	35.39	53.17	74.00	-20.83	HORIZONTAL	Peak	

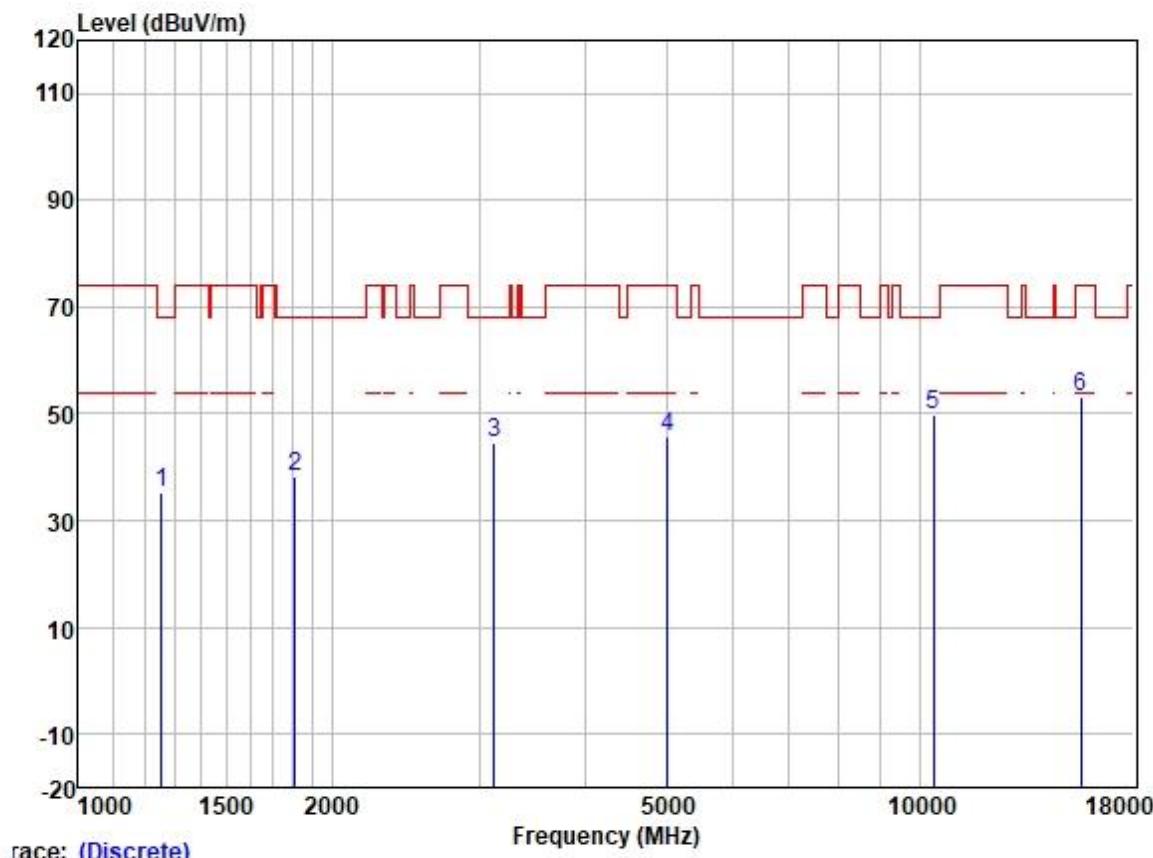
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Test Mode: 34; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Line	Freq	ReadAntenna		Cable		Preamp	Limit	Over	Limit	Pol/Phase	Remark
		Freq	Level	Factor	Loss						
	MHz	dBuV	dB/m		dB	dB	dBuV/m	dBuV/m	dB		
1	1256.210	46.12	25.05	2.38	38.35	35.20	68.20	-33.00	VERTICAL	Peak	
2	1808.025	46.96	25.95	2.99	37.81	38.09	68.20	-30.11	VERTICAL	Peak	
3	3119.439	49.43	28.50	3.94	37.14	44.73	68.20	-23.47	VERTICAL	Peak	
4	5018.178	45.11	31.70	5.69	36.85	45.65	74.00	-28.35	VERTICAL	Peak	
5	10380.000	40.70	39.33	7.32	37.37	49.98	68.20	-18.22	VERTICAL	Peak	
6	15570.000	39.68	38.99	9.88	35.39	53.16	74.00	-20.84	VERTICAL	Peak	

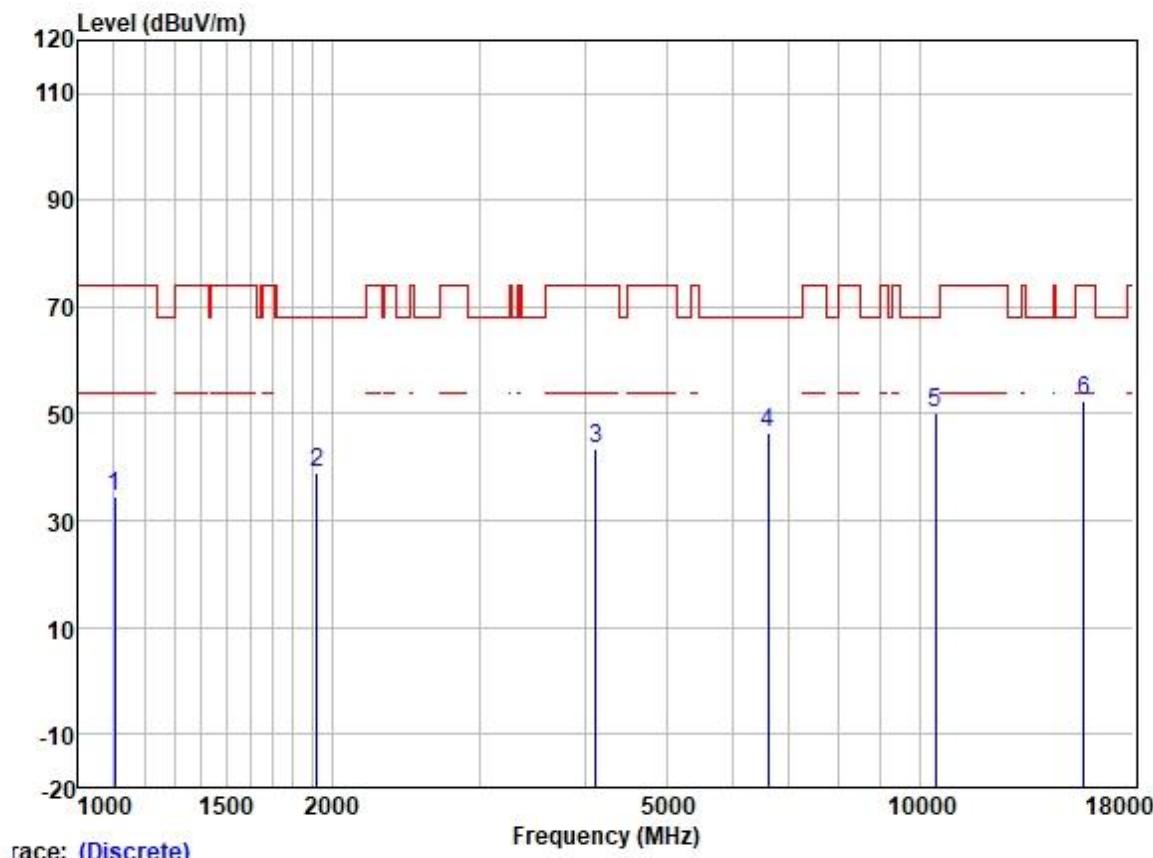
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Test Mode: 34; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Line	Freq	ReadAntenna		Cable		Preamp	Loss	Factor	Level	Limit	Line	Over	Limit	Pol/Phase	Remark
		MHz	dBuV	Level	Factor				dB	dB	dBuV/m	dBuV/m	dB	dB	
1	1105.079	46.14	24.38	2.28	38.45	34.35	74.00	-39.65	HORIZONTAL	Peak					
2	1919.577	47.70	26.06	2.94	37.74	38.96	68.20	-29.24	HORIZONTAL	Peak					
3	4118.957	45.69	29.98	4.60	36.80	43.47	74.00	-30.53	HORIZONTAL	Peak					
4	6604.585	43.59	34.16	5.84	37.04	46.55	68.20	-21.65	HORIZONTAL	Peak					
5	10460.000	40.62	39.42	7.37	37.36	50.05	68.20	-18.15	HORIZONTAL	Peak					
6	15690.000	38.99	38.86	9.87	35.39	52.33	74.00	-21.67	HORIZONTAL	Peak					

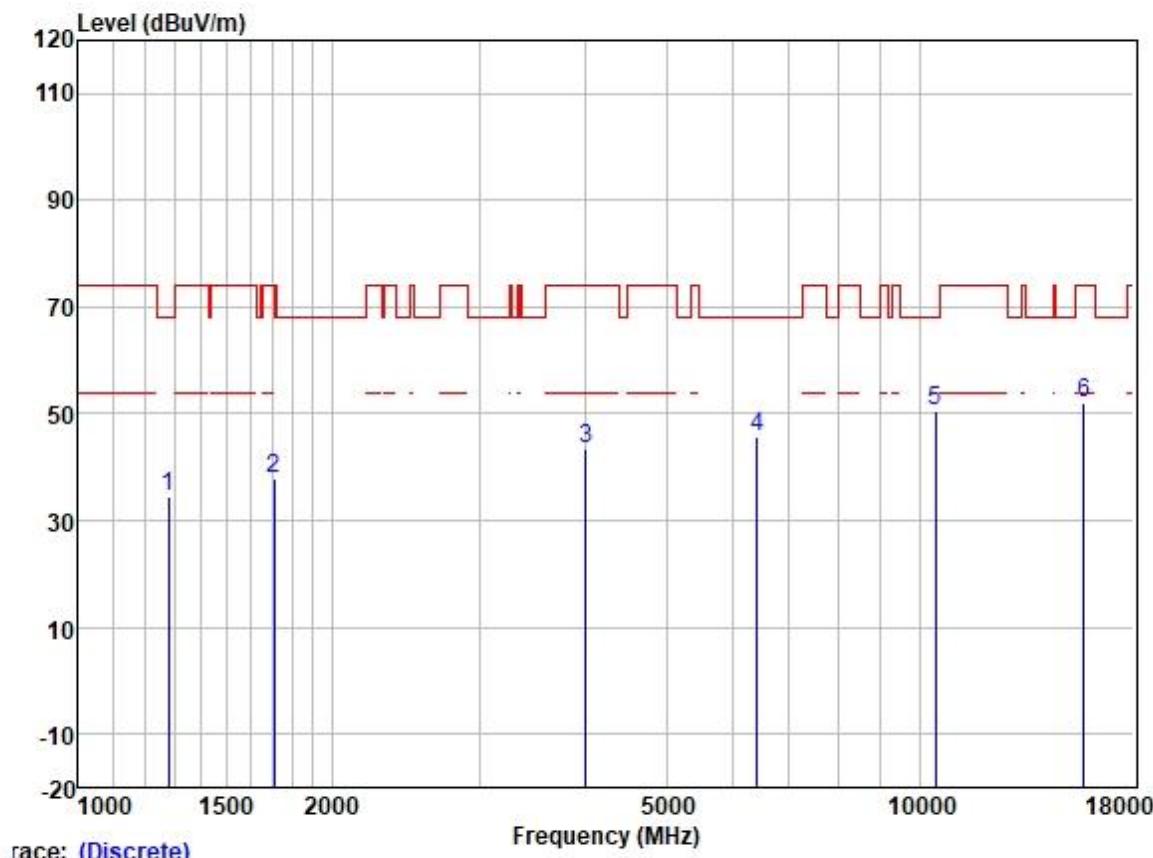
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Test Mode: 34; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High

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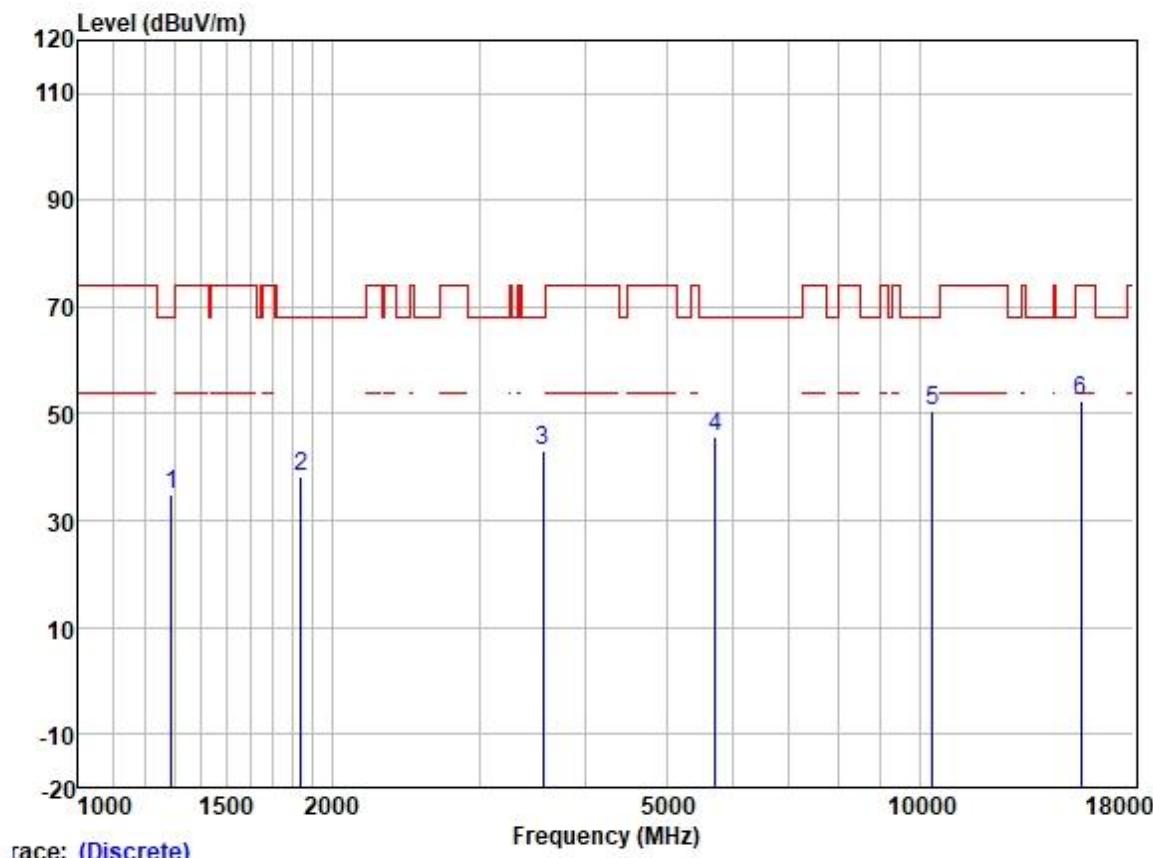
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Test Mode: 34; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

Freq	ReadAntenna		Cable Preamp		Limit	Over	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	Level Factor	Cable Loss Factor						
					dBuV/m	dBuV/m	dB			
1	1290.128	45.49	25.17	2.55	38.31	34.90	68.20	-33.30	HORIZONTAL	Peak
2	1837.145	47.05	25.98	2.96	37.80	38.19	68.20	-30.01	HORIZONTAL	Peak
3	3567.204	46.60	28.99	4.45	36.92	43.12	68.20	-25.08	HORIZONTAL	Peak
4	5715.138	44.16	32.04	6.33	36.89	45.64	68.20	-22.56	HORIZONTAL	Peak
5	10360.000	41.28	39.28	7.29	37.37	50.48	68.20	-17.72	HORIZONTAL	Peak
6	15540.000	38.74	39.05	9.88	35.39	52.28	74.00	-21.72	HORIZONTAL	Peak

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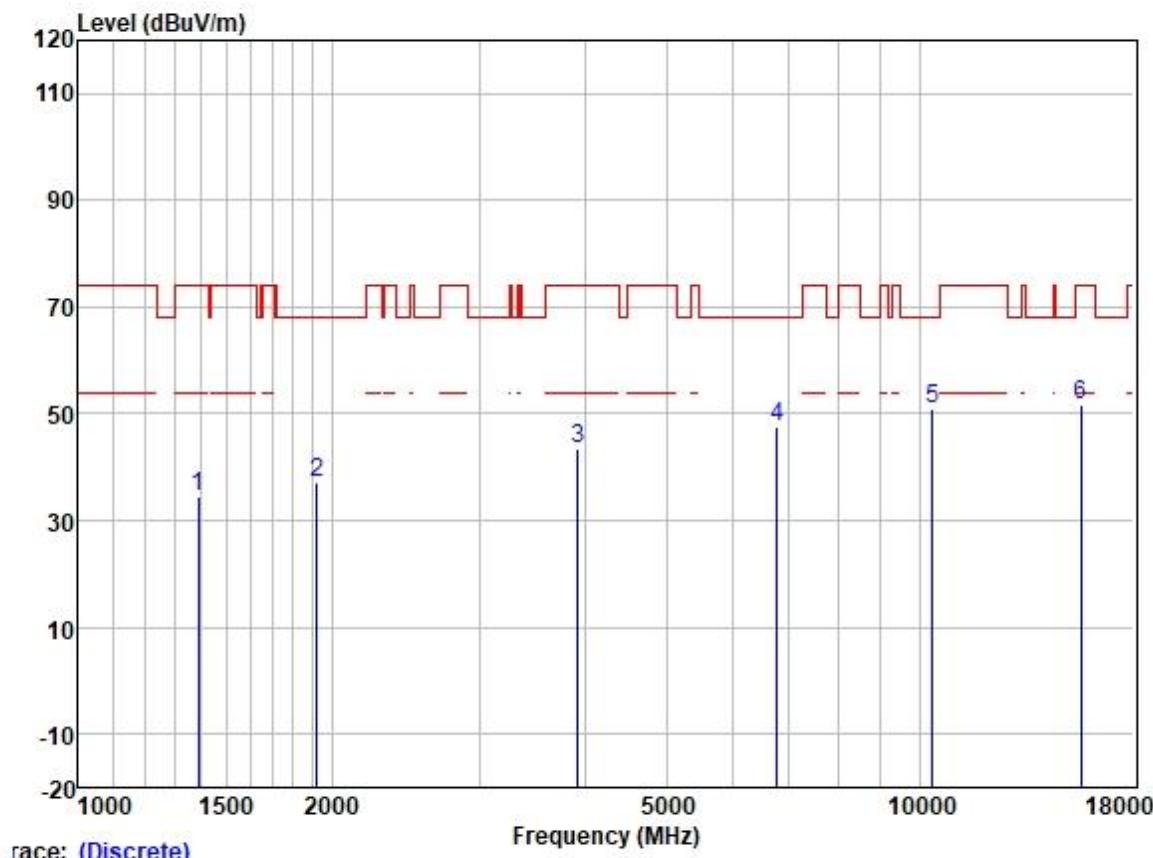
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Test Mode: 34; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Mode: (Discrete)

Freq	ReadAntenna		Cable		Preamp	Loss	Factor	Limit	Line	Over	Limit	Pol/Phase	Remark
	MHz	dBuV	dB	dB									
1 1389.588	44.87	25.38	2.60	38.22	34.63	74.00	-39.37	VERTICAL				Peak	
2 1920.986	45.90	26.06	2.94	37.74	37.16	68.20	-31.04	VERTICAL				Peak	
3 3928.128	45.90	29.72	4.60	36.82	43.40	74.00	-30.60	VERTICAL				Peak	
4 6779.870	44.16	34.61	5.82	37.11	47.48	68.20	-20.72	VERTICAL				Peak	
5 10360.000	41.57	39.28	7.29	37.37	50.77	68.20	-17.43	VERTICAL				Peak	
6 15540.000	38.23	39.05	9.88	35.39	51.77	74.00	-22.23	VERTICAL				Peak	

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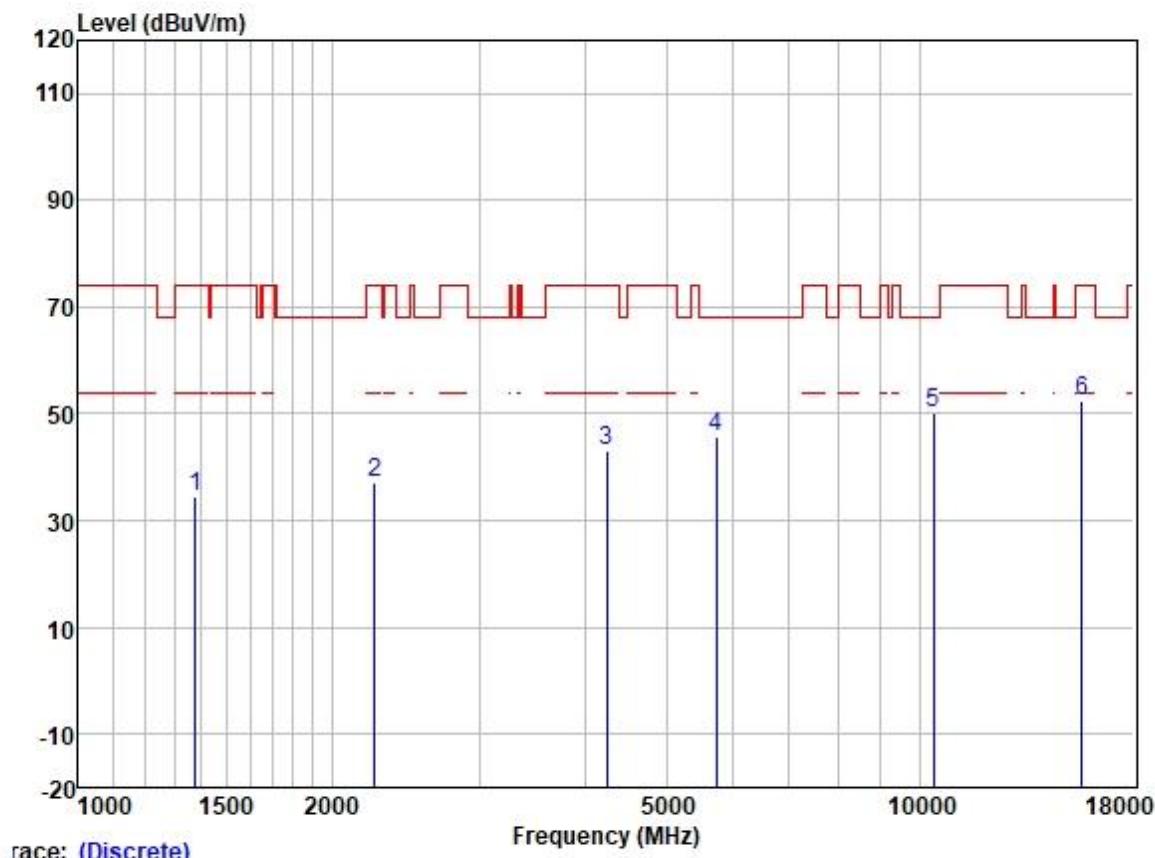
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Test Mode: 34; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle



Mode: (Discrete)

Freq	ReadAntenna		Cable		Preamp	Loss	Factor	Limit	Line	Over	Limit	Pol/Phase	Remark
	MHz	dBuV	Level	Factor									
1	1376.828	44.65	25.36	2.60	38.25	34.36	74.00	-39.64	HORIZONTAL	Peak			
2	2251.790	44.71	26.92	3.26	37.64	37.25	74.00	-36.75	HORIZONTAL	Peak			
3	4248.319	45.08	30.30	4.62	36.81	43.19	74.00	-30.81	HORIZONTAL	Peak			
4	5732.703	44.41	32.07	6.25	36.89	45.84	68.20	-22.36	HORIZONTAL	Peak			
5	10400.000	41.05	39.33	7.32	37.36	50.34	68.20	-17.86	HORIZONTAL	Peak			
6	15600.000	38.81	38.99	9.88	35.39	52.29	74.00	-21.71	HORIZONTAL	Peak			

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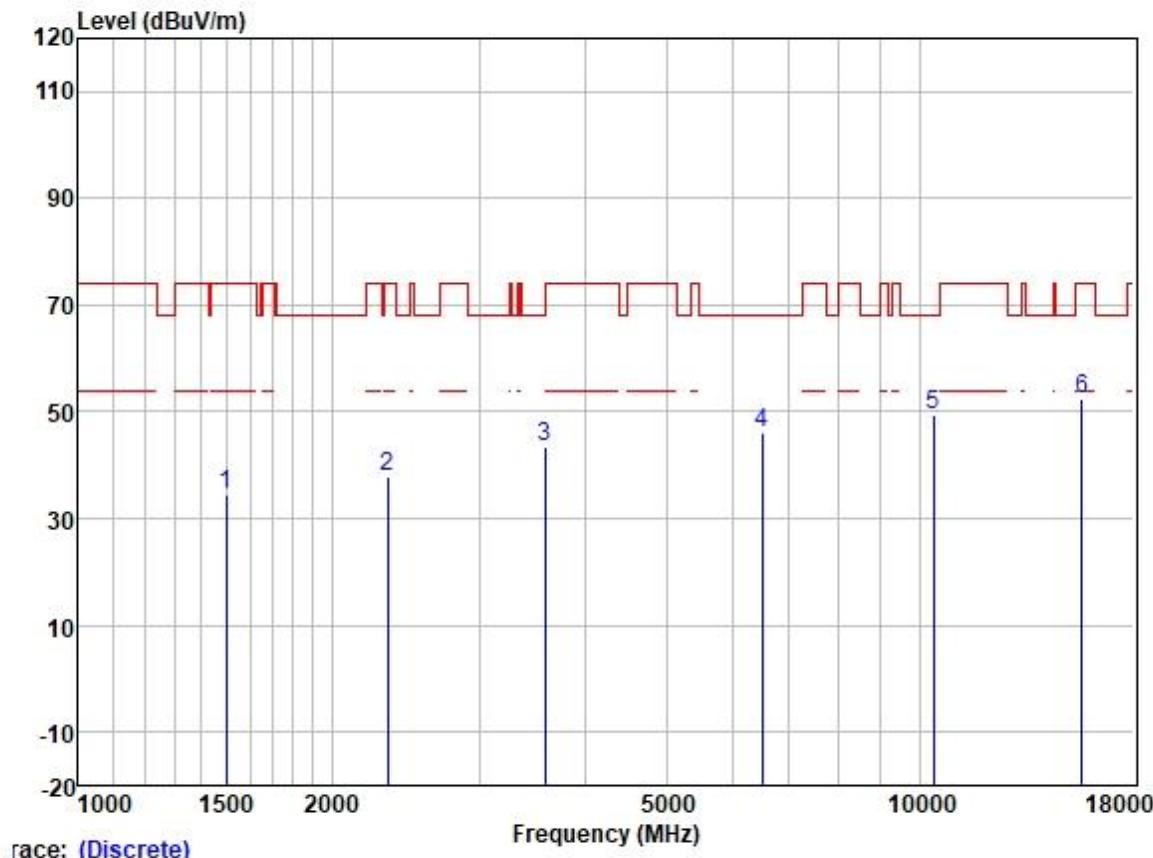
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Test Mode: 34; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle

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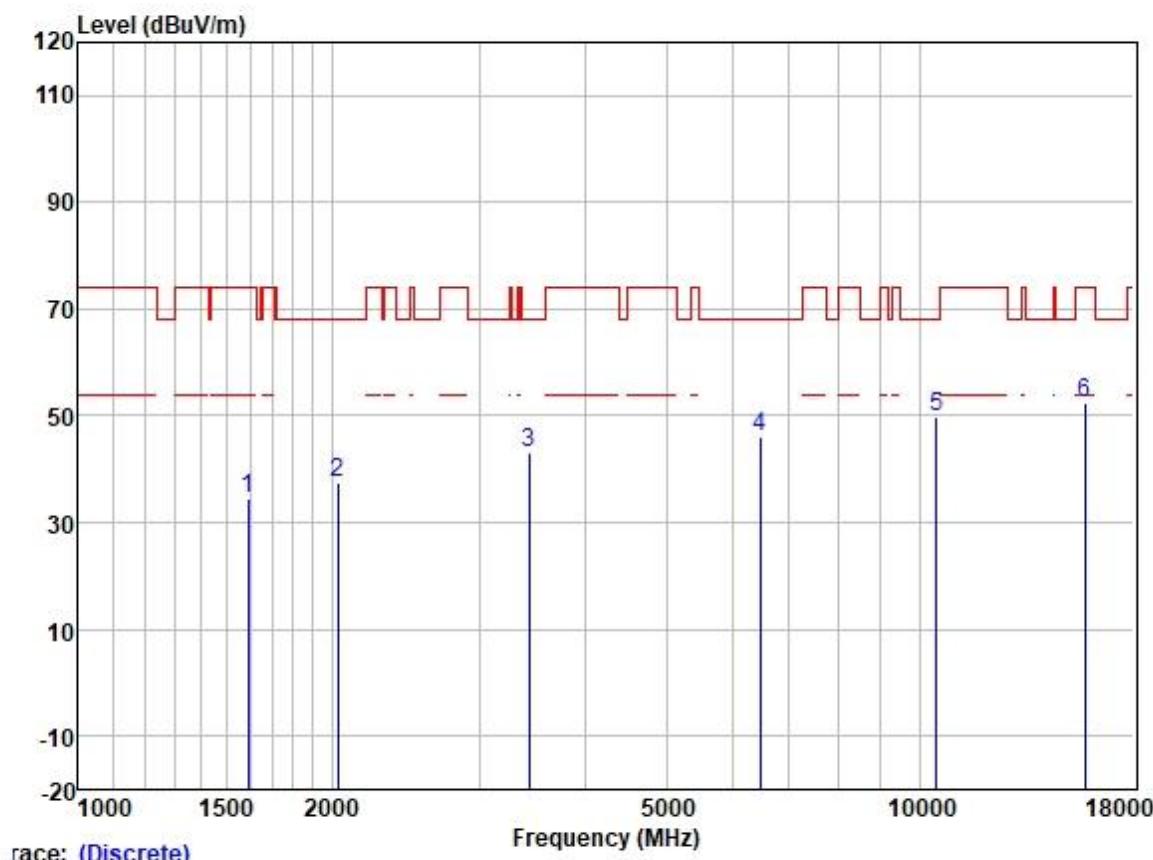
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Test Mode: 34; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Freq	ReadAntenna		Cable		Preamp		Limit	Over	Line	Limit	Pol/Phase	Remark
	MHz	Level	Factor	Loss	Factor	dB	dBuV/m	dBuV/m	dB			
1	1591.886	44.20	25.57	2.80	37.98	34.59	74.00	-39.41	HORIZONTAL	Peak		
2	2035.543	45.78	26.16	3.11	37.69	37.36	68.20	-30.84	HORIZONTAL	Peak		
3	3432.685	47.13	28.87	4.16	36.97	43.19	68.20	-25.01	HORIZONTAL	Peak		
4	6465.905	43.26	33.92	5.86	37.00	46.04	68.20	-22.16	HORIZONTAL	Peak		
5	10480.000	40.36	39.46	7.40	37.36	49.86	68.20	-18.34	HORIZONTAL	Peak		
6	15720.000	39.05	38.78	9.87	35.39	52.31	74.00	-21.69	HORIZONTAL	Peak		

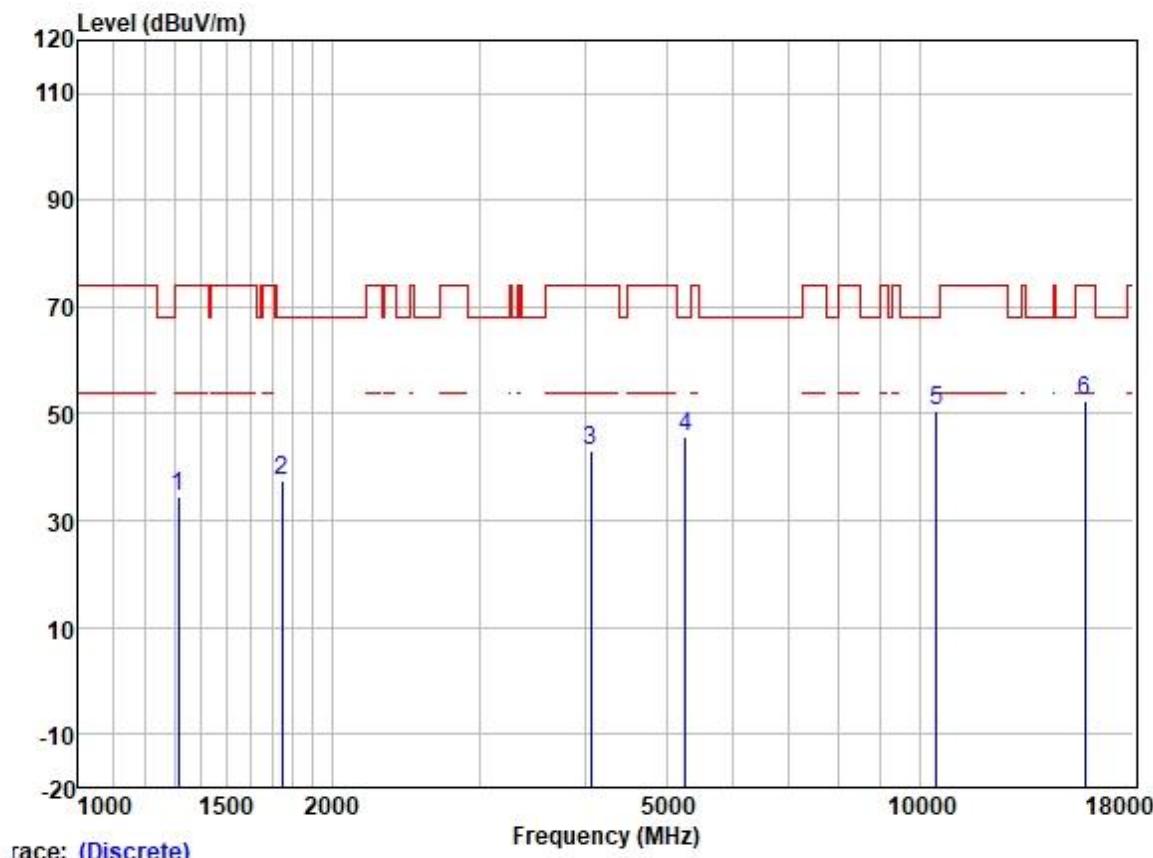
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Test Mode: 34; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

Freq	ReadAntenna		Cable		Preamp	Loss	Factor	Limit	Line	Over	Limit	Pol/Phase	Remark
	MHz	dBuV	Level	Factor									
1	1316.544	45.00	25.24	2.60	38.29	34.55	74.00	-39.45	VERTICAL		Peak		
2	1744.353	46.60	25.83	2.87	37.85	37.45	68.20	-30.75	VERTICAL		Peak		
3	4063.931	45.59	29.88	4.60	36.80	43.27	74.00	-30.73	VERTICAL		Peak		
4	5264.851	45.11	31.75	5.80	36.87	45.79	68.20	-22.41	VERTICAL		Peak		
5	10480.000	40.89	39.46	7.40	37.36	50.39	68.20	-17.81	VERTICAL		Peak		
6	15720.000	38.99	38.78	9.87	35.39	52.25	74.00	-21.75	VERTICAL		Peak		

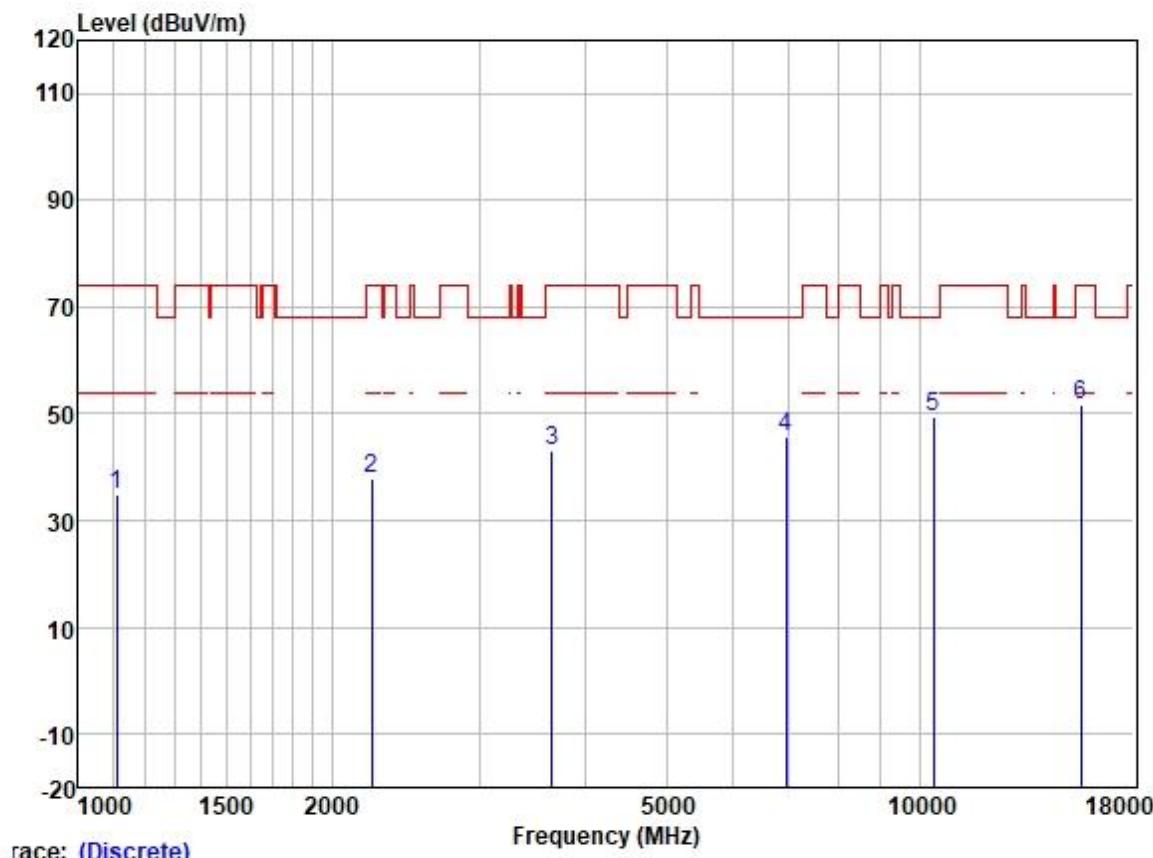
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Test Mode: 34; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

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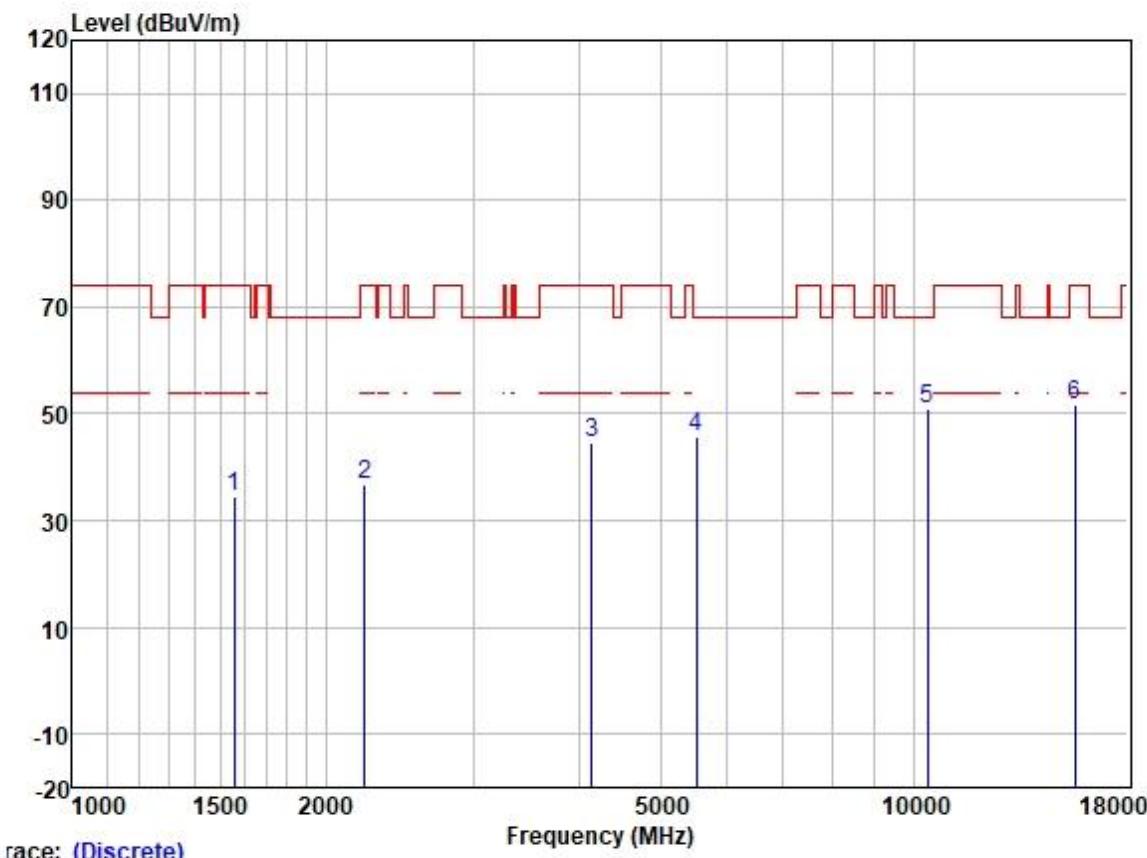
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Test Mode: 34; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Mode: (Discrete)

Freq	ReadAntenna		Cable		Preamp	Loss	Factor	Limit	Line	Over	Limit	Pol/Phase	Remark
	MHz	dBuV	Level	Factor									
1 1557.349	44.38	25.54	2.80	38.03	34.69	74.00	-39.31	VERTICAL				Peak	
2 2227.058	44.44	26.76	3.23	37.64	36.79	74.00	-37.21	VERTICAL				Peak	
3 4142.911	46.61	30.03	4.60	36.80	44.44	74.00	-29.56	VERTICAL				Peak	
4 5518.246	44.46	31.81	6.38	36.89	45.76	68.20	-22.44	VERTICAL				Peak	
5 10380.000	41.65	39.33	7.32	37.37	50.93	68.20	-17.27	VERTICAL				Peak	
6 15570.000	38.21	38.99	9.88	35.39	51.69	74.00	-22.31	VERTICAL				Peak	

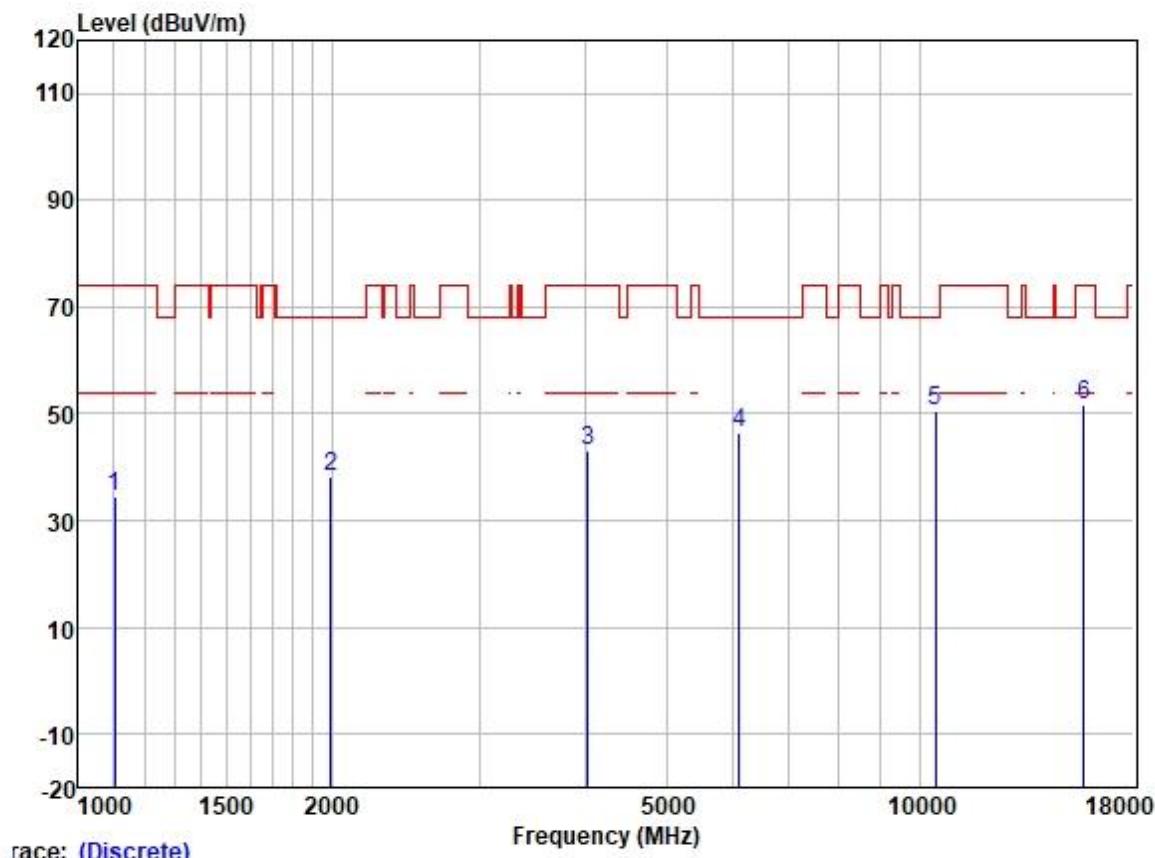
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Test Mode: 34; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Race:	Freq	ReadAntenna		Cable		Preamp	Loss	Factor	Limit	Line	Over	Limit	Pol/Phase	Remark
		MHz	dBuV	Level	Factor				dB	dBuV/m	dBuV/m	dB		
1	1104.242	46.41	24.37	2.29	38.45	34.62	74.00	-39.38	HORIZONTAL	Peak				
2	1995.074	46.77	26.10	3.09	37.70	38.26	68.20	-29.94	HORIZONTAL	Peak				
3	4038.494	45.49	29.85	4.60	36.80	43.14	74.00	-30.86	HORIZONTAL	Peak				
4	6100.396	44.41	32.66	6.14	36.92	46.29	68.20	-21.91	HORIZONTAL	Peak				
5	10460.000	40.96	39.42	7.37	37.36	50.39	68.20	-17.81	HORIZONTAL	Peak				
6	15690.000	38.31	38.86	9.87	35.39	51.65	74.00	-22.35	HORIZONTAL	Peak				

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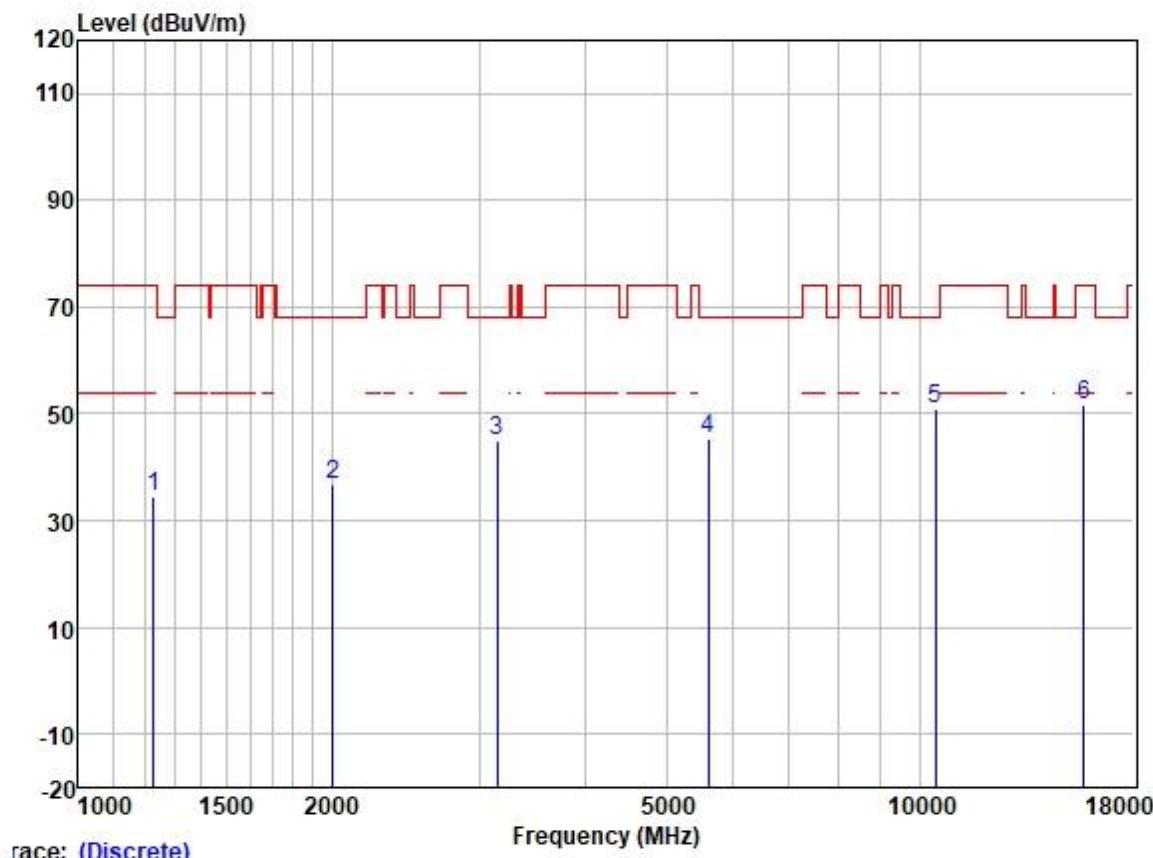
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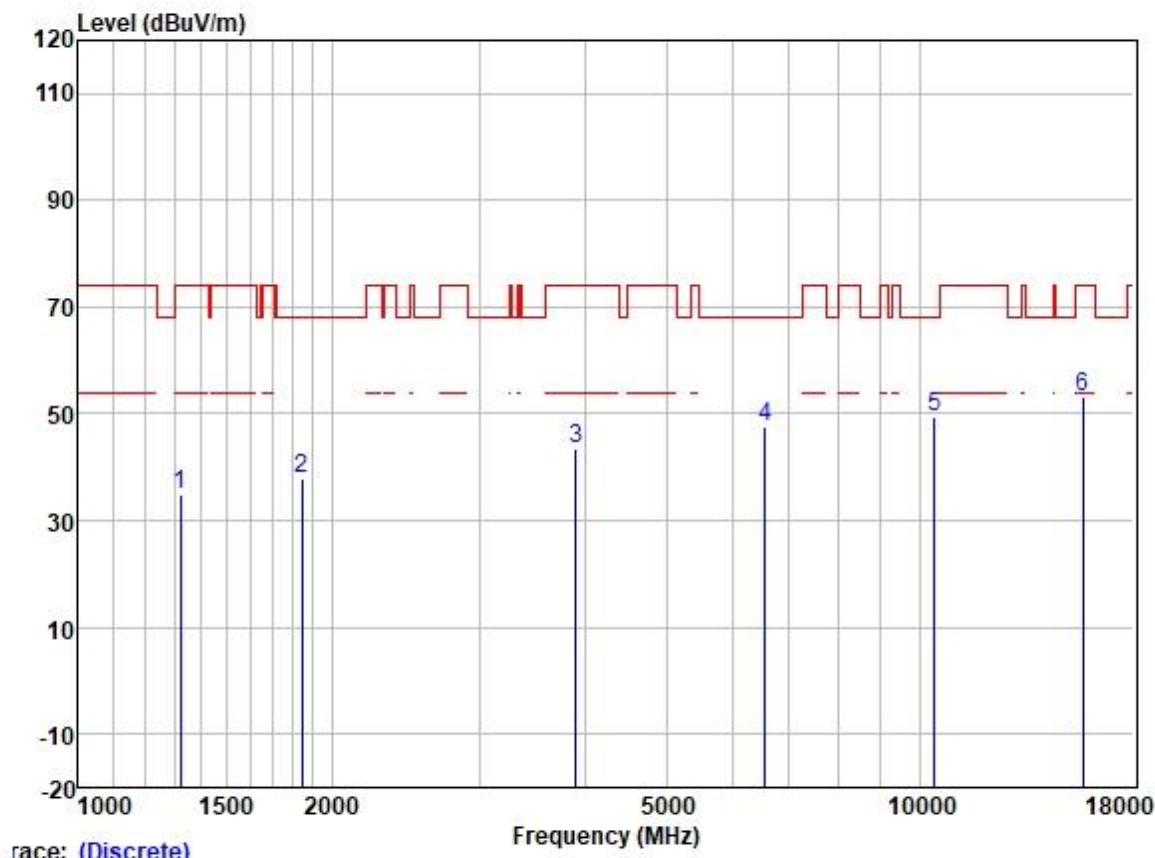
Test Mode: 34; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



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Test Mode: 34; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Rate: (Discrete)

Freq	ReadAntenna		Cable		Preamp	Loss	Factor	Limit	Line	Over	Limit	Pol/Phase	Remark
	MHz	dBuV	Level	Factor									
1	1322.834	45.22	25.26	2.60	38.29	34.79	74.00	-39.21	HORIZONTAL	Peak			
2	1845.248	46.87	25.99	2.95	37.78	38.03	68.20	-30.17	HORIZONTAL	Peak			
3	3902.156	46.03	29.69	4.60	36.82	43.50	74.00	-30.50	HORIZONTAL	Peak			
4	6563.347	44.66	34.09	5.84	37.03	47.56	68.20	-20.64	HORIZONTAL	Peak			
5	10420.000	39.90	39.38	7.35	37.36	49.27	68.20	-18.93	HORIZONTAL	Peak			
6	15630.000	39.75	38.92	9.87	35.39	53.15	74.00	-20.85	HORIZONTAL	Peak			

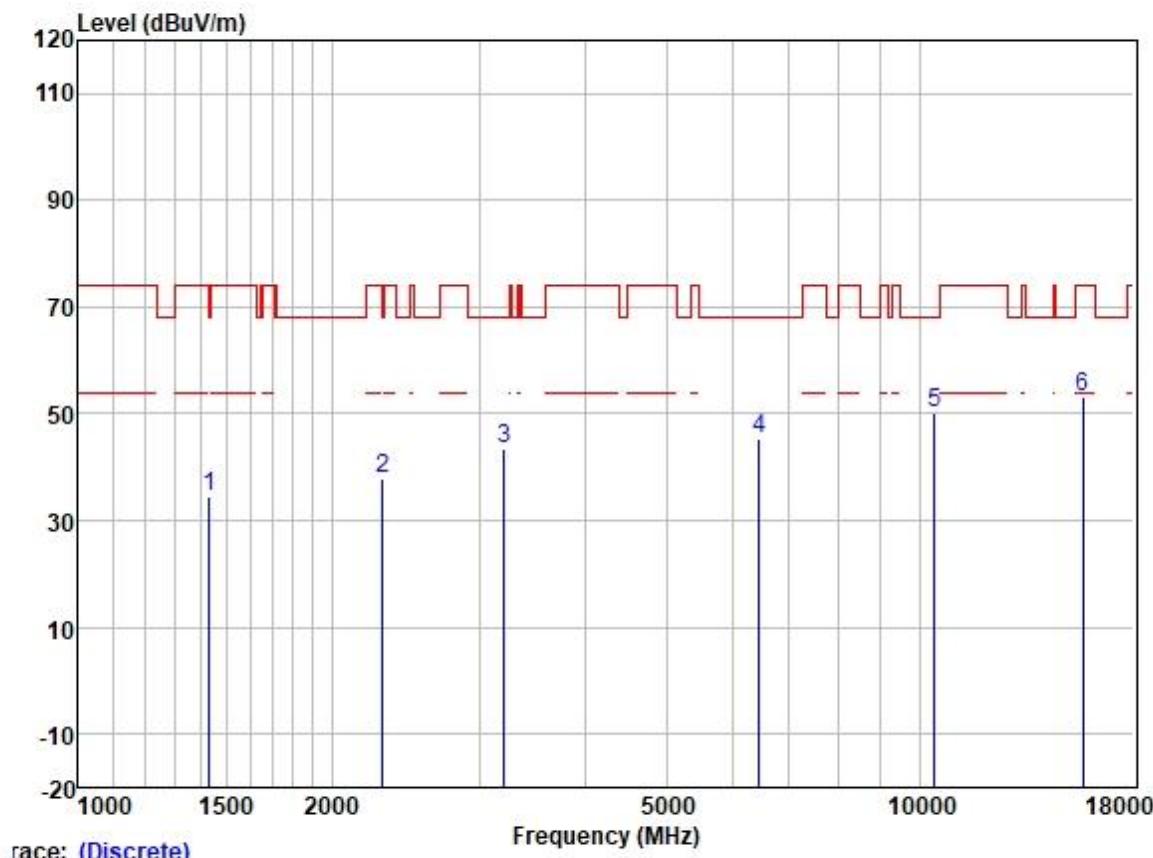
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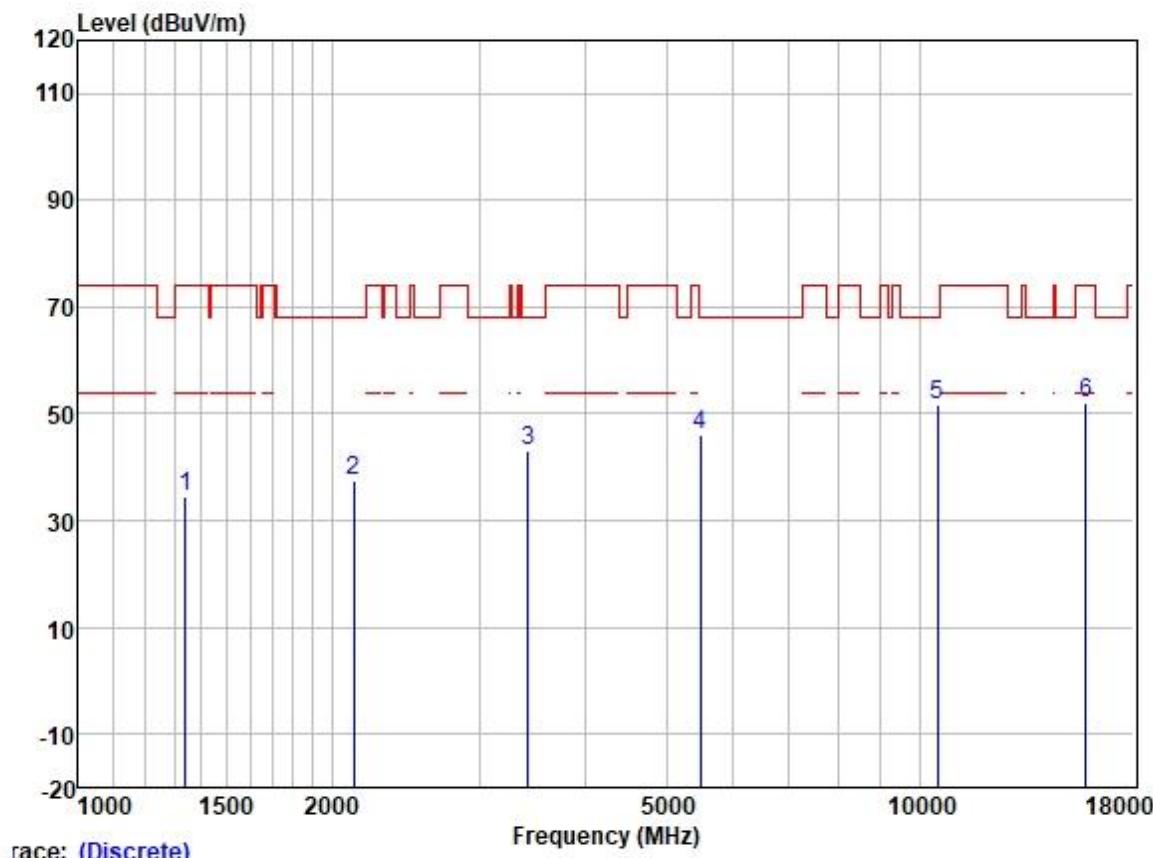
Test Mode: 34; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



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Test Mode: 36; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Mode: (Discrete)

Freq	ReadAntenna		Cable		Preamp	Loss	Factor	Limit	Line	Over	Limit	Pol/Phase	Remark
	MHz	dBuV	Level	Factor									
1	1340.674	44.92	25.29	2.60	38.27	34.54	74.00	74.00	-39.46	HORIZONTAL	Peak		
2	2127.884	45.76	26.36	3.17	37.67	37.62	68.20	68.20	-30.58	HORIZONTAL	Peak		
3	3427.975	47.23	28.86	4.15	36.97	43.27	68.20	68.20	-24.93	HORIZONTAL	Peak		
4	5488.676	44.72	31.80	6.36	36.88	46.00	68.20	68.20	-22.20	HORIZONTAL	Peak		
5	10520.000	42.08	39.50	7.42	37.35	51.65	68.20	68.20	-16.55	HORIZONTAL	Peak		
6	15780.000	38.75	38.70	9.86	35.39	51.92	74.00	74.00	-22.08	HORIZONTAL	Peak		

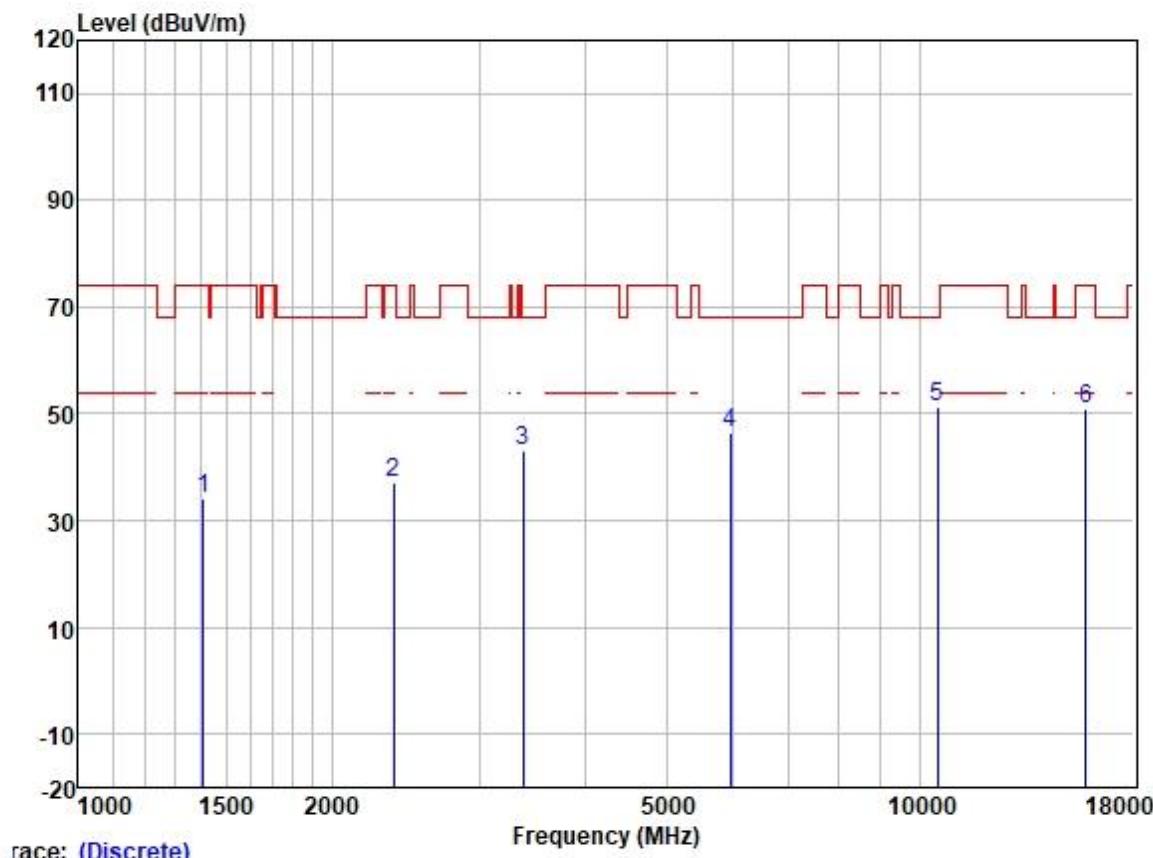
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Test Mode: 36; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Trace:	ReadAntenna	Cable	Preamp	Limit		Over	Limit	Pol/Phase	Remark
				Freq	Level	Factor	Loss	Factor	Level
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1409.574	44.45	25.40	2.62	38.22	34.25	74.00	-39.75	VERTICAL Peak
2	2367.289	44.03	27.28	3.43	37.60	37.14	74.00	-36.86	VERTICAL Peak
3	3380.191	47.30	28.83	4.09	36.99	43.23	68.20	-24.97	VERTICAL Peak
4	5954.557	44.76	32.36	6.05	36.90	46.27	68.20	-21.93	VERTICAL Peak
5	10520.000	41.87	39.50	7.42	37.35	51.44	68.20	-16.76	VERTICAL Peak
6	15780.000	37.76	38.70	9.86	35.39	50.93	74.00	-23.07	VERTICAL Peak

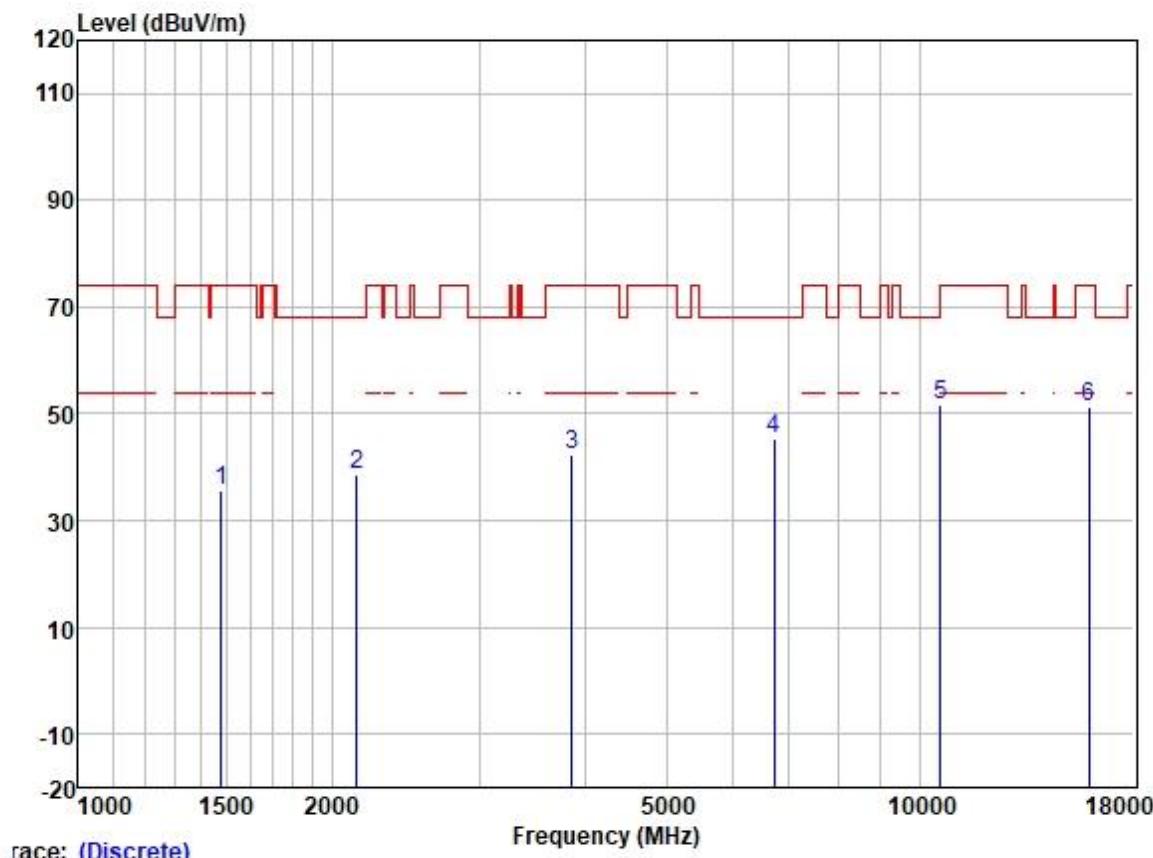
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Test Mode: 36; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Line	Freq	ReadAntenna		Cable		Preamp	Loss	Factor	Level	Limit	Over	Line	Limit	Pol/Phase	Remark
		MHz	dBuV	Level	Factor				dB	dBuV/m	dBuV/m				
1	1478.068	45.37	25.48	2.77	38.13	35.49	74.00	-38.51	HORIZONTAL	Peak					
2	2142.414	46.64	26.41	3.18	37.66	38.57	68.20	-29.63	HORIZONTAL	Peak					
3	3865.970	44.86	29.64	4.60	36.83	42.27	74.00	-31.73	HORIZONTAL	Peak					
4	6720.707	42.31	34.44	5.83	37.09	45.49	68.20	-22.71	HORIZONTAL	Peak					
5	10600.000	41.93	39.59	7.46	37.34	51.64	68.20	-16.56	HORIZONTAL	Peak					
6	15900.000	38.57	38.44	9.86	35.40	51.47	74.00	-22.53	HORIZONTAL	Peak					

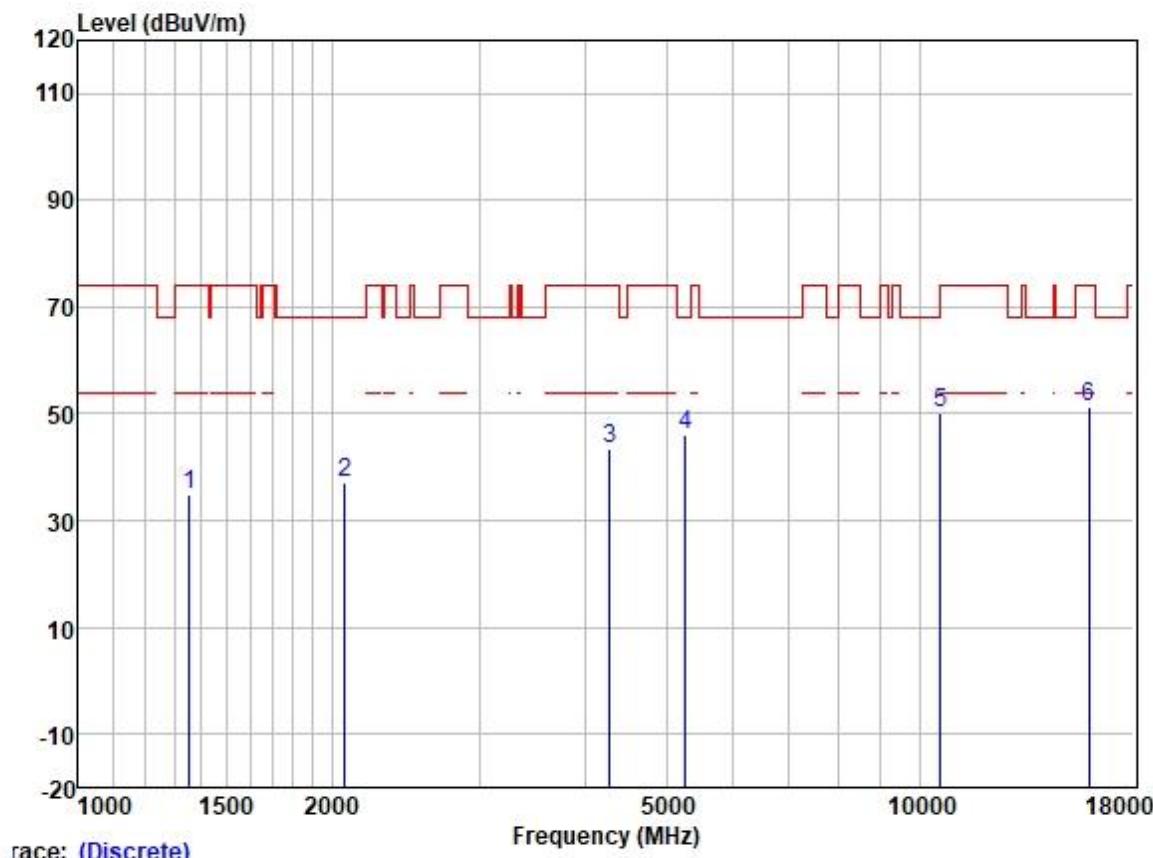
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Test Mode: 36; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Trace: (Discrete)

Freq	ReadAntenna		Cable		Preamp Loss Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	Level Factor	dB						
1 13555.914	45.12	25.32	2.60	38.27	34.77	74.00	-39.23	VERTICAL	Peak	
2 2075.331	45.50	26.24	3.14	37.68	37.20	68.20	-31.00	VERTICAL	Peak	
3 4285.330	45.22	30.42	4.63	36.81	43.46	74.00	-30.54	VERTICAL	Peak	
4 5264.967	45.43	31.75	5.80	36.87	46.11	68.20	-22.09	VERTICAL	Peak	
5 10600.000	40.55	39.59	7.46	37.34	50.26	68.20	-17.94	VERTICAL	Peak	
6 15900.000	38.27	38.44	9.86	35.40	51.17	74.00	-22.83	VERTICAL	Peak	

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