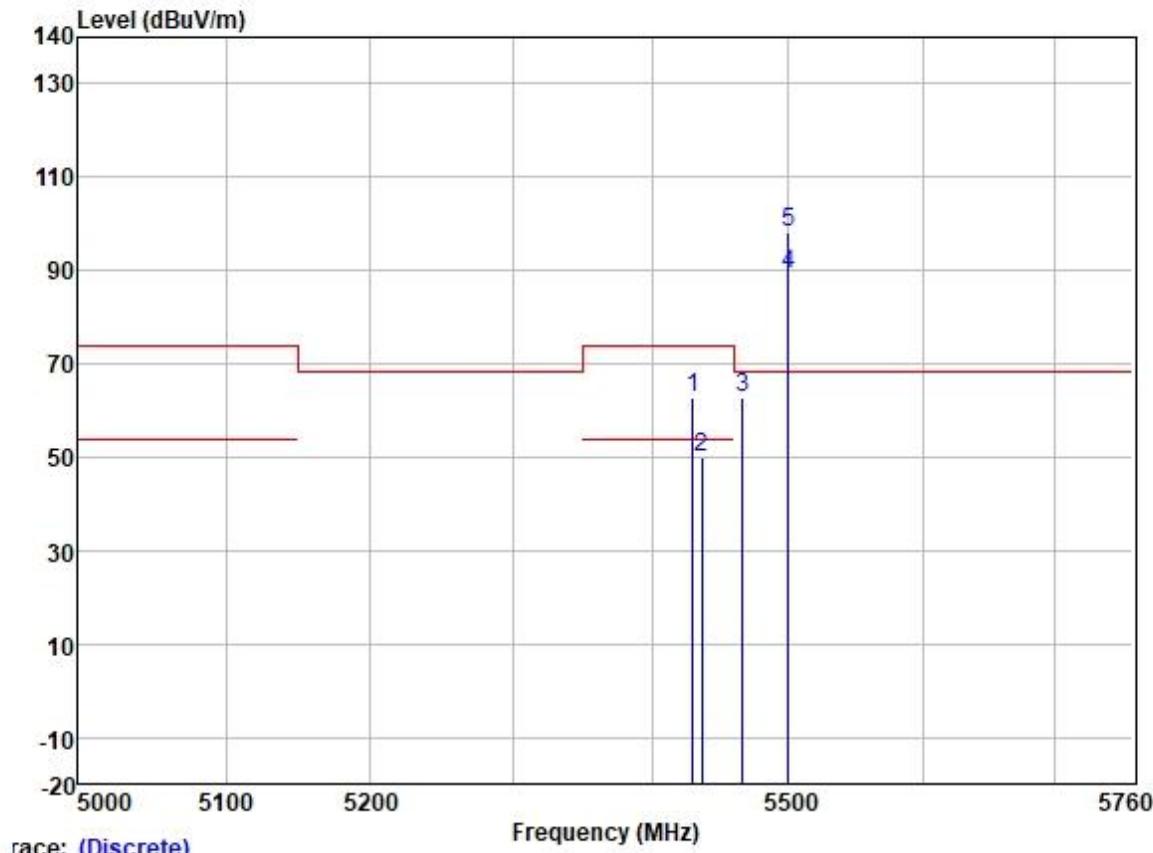


Test Mode: 20; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Freq	ReadAntenna		Cable		Preamp	Limit	Over	Line	Limit	Pol/Phase	Remark
	MHz	Level	Factor	Loss							
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	dB		
1	5429.873	61.90	31.79	6.13	36.88	62.94	74.00	-11.06	VERTICAL	Peak	
2	5436.201	48.90	31.79	6.20	36.88	50.01	54.00	-3.99	VERTICAL	Average	
3	5466.274	61.51	31.80	6.31	36.88	62.74	68.20	-5.46	VERTICAL	Peak	
4	5500.000	87.72	31.80	6.40	36.88	89.04	-----	-----	VERTICAL	Average	
5 *	5500.000	96.69	31.80	6.40	36.88	98.01	68.20	29.81	VERTICAL	Peak	

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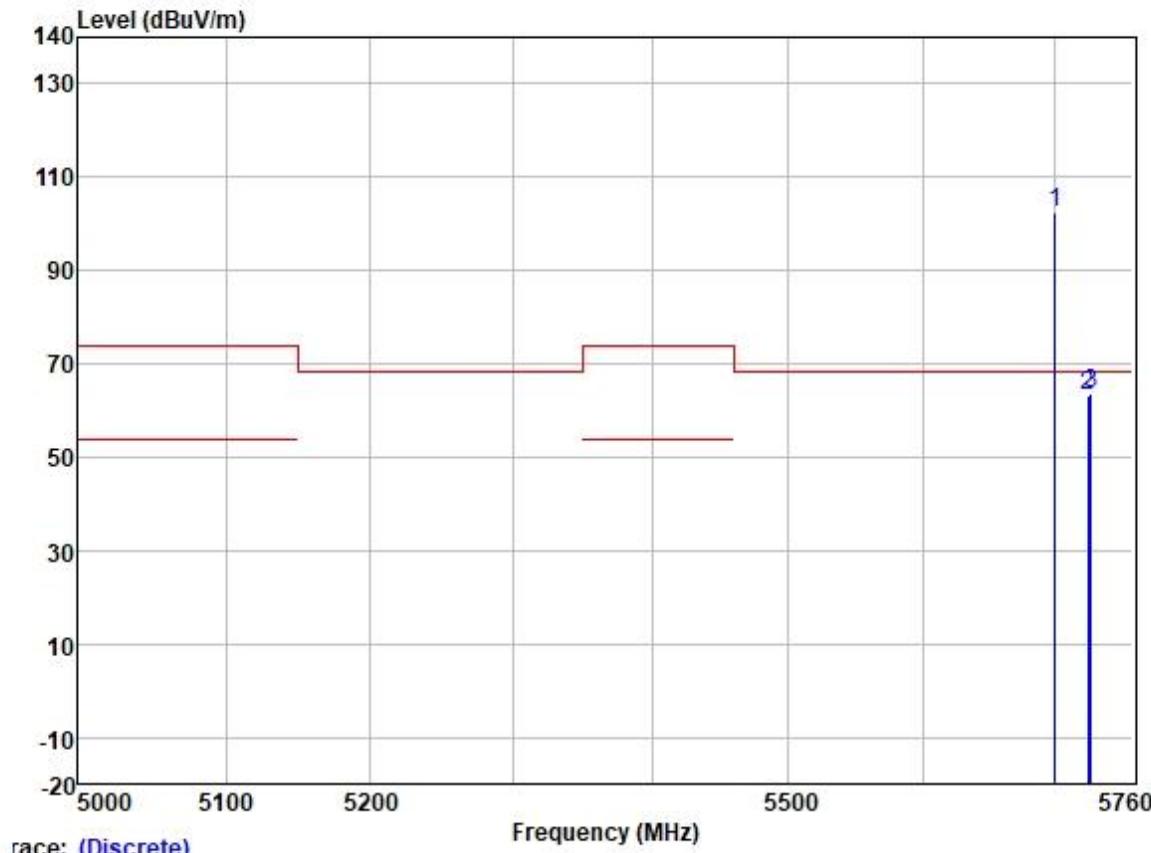
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Test Mode: 20; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Race: (Discrete)

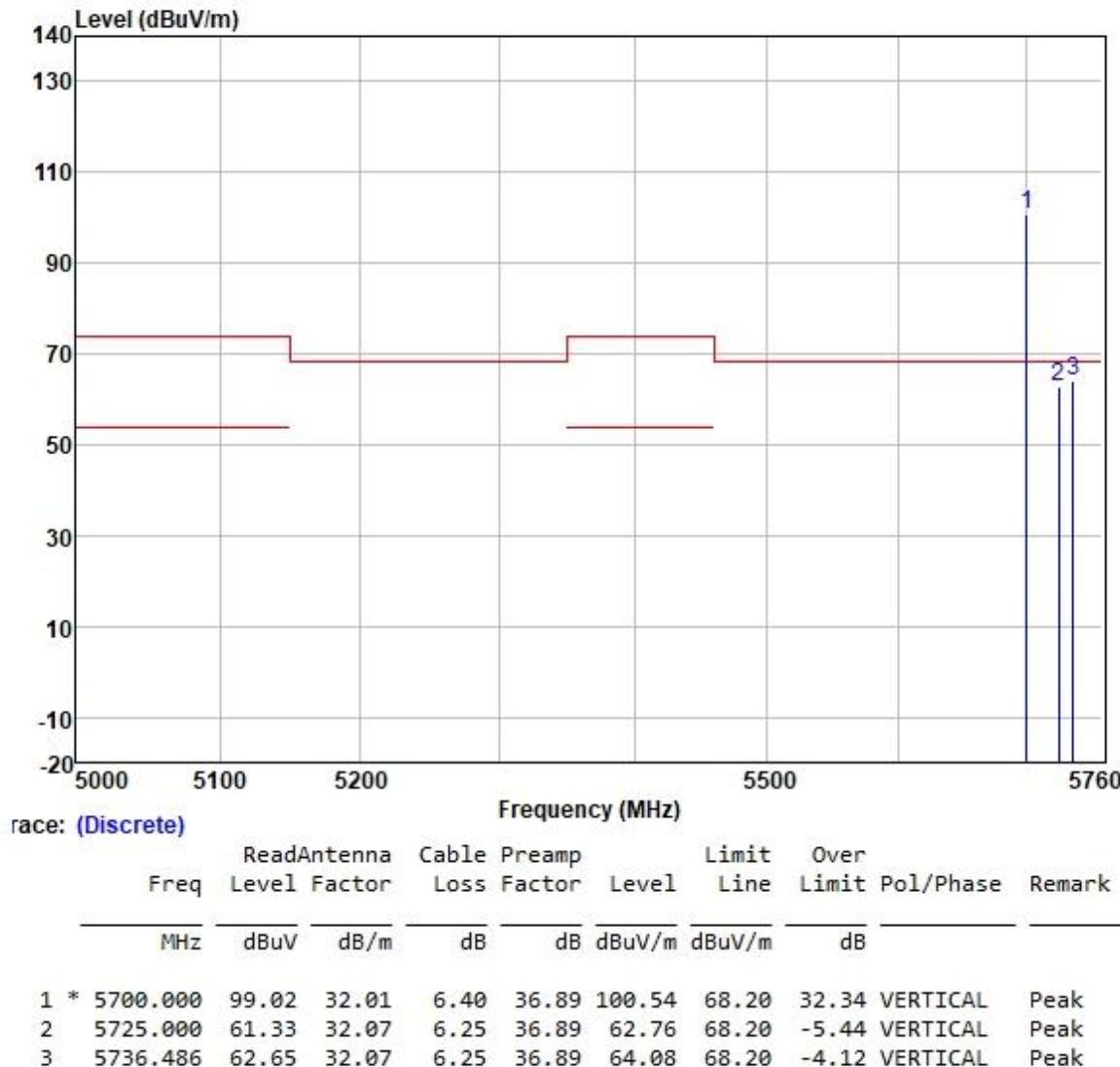
Freq	ReadAntenna		Cable		Preamp		Limit	Over	Limit	Pol/Phase	Remark
	MHz	dBuV	Level	Factor	Loss	Factor	dB	dBuV/m	dBuV/m	dB	
1 * 5700.000	100.90	32.01	6.40	36.89	102.42	68.20	34.22	HORIZONTAL	Peak		
2 5725.000	61.61	32.07	6.25	36.89	63.04	68.20	-5.16	HORIZONTAL	Peak		
3 5727.282	62.40	32.07	6.25	36.89	63.83	68.20	-4.37	HORIZONTAL	Peak		



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

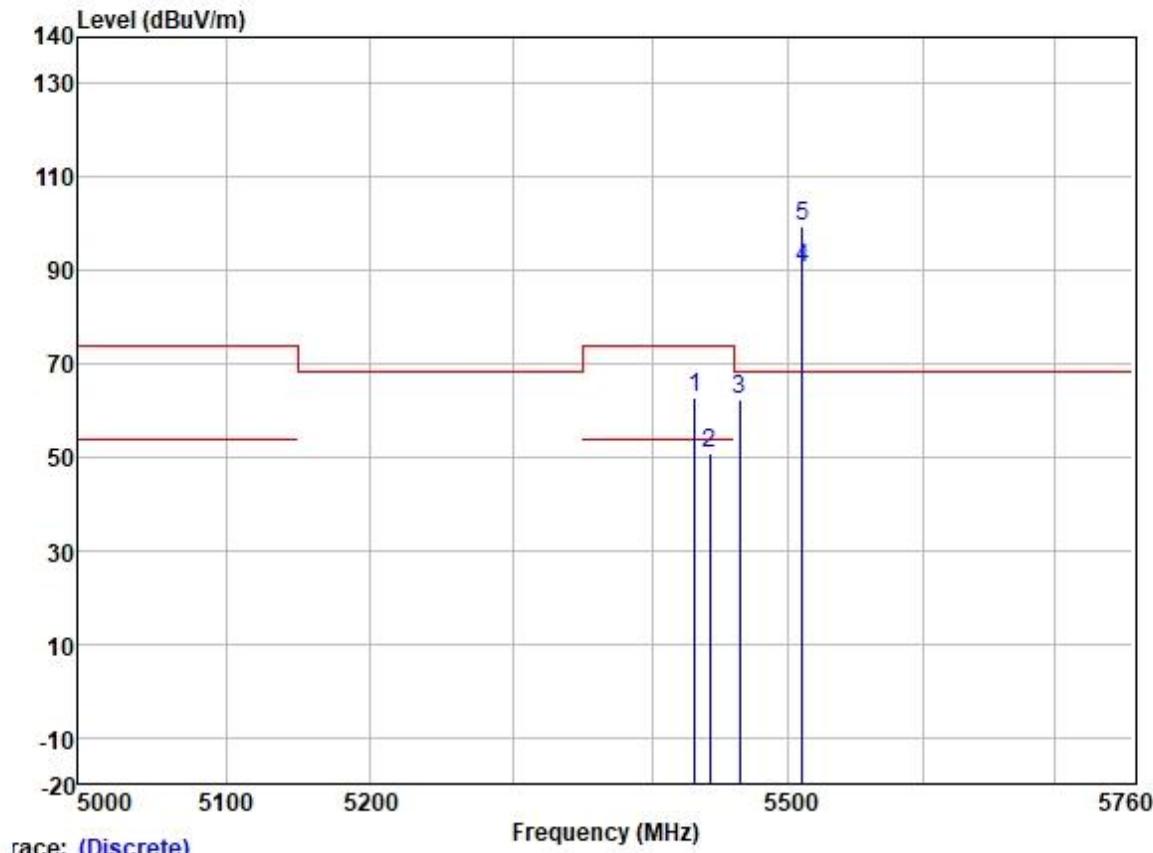


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Test Mode: 20; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Freq	ReadAntenna		Cable		Preamp Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	Level Factor	Loss					
1	5431.327	61.71	31.79	6.13	36.88	62.75	74.00	-11.25	HORIZONTAL Peak
2	5442.321	49.81	31.79	6.20	36.88	50.92	54.00	-3.08	HORIZONTAL Average
3	5463.675	61.16	31.80	6.31	36.88	62.39	68.20	-5.81	HORIZONTAL Peak
4	5510.000	89.39	31.80	6.40	36.88	90.71	-----	-----	HORIZONTAL Average
5 *	5510.000	98.23	31.80	6.40	36.88	99.55	68.20	31.35	HORIZONTAL Peak

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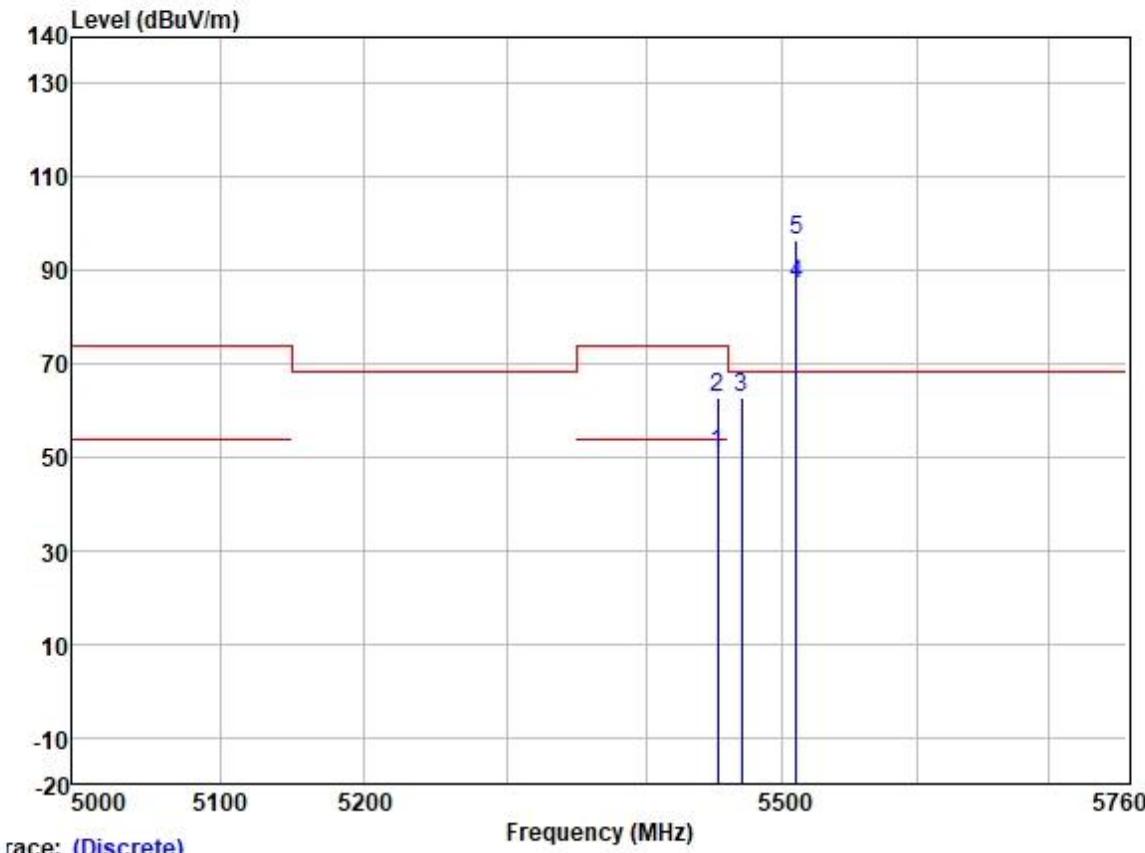
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Test Mode: 20; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Freq	ReadAntenna		Cable		Preamp	Limit	Over	Line	Limit	Pol/Phase	Remark
	MHz	Level	Factor	Loss							
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	dB	dB	
1	5452.360	49.66	31.79	6.26	36.88	50.83	54.00	-3.17	VERTICAL	Average	
2	5452.360	61.51	31.79	6.26	36.88	62.68	74.00	-11.32	VERTICAL	Peak	
3	5469.272	61.60	31.80	6.31	36.88	62.83	68.20	-5.37	VERTICAL	Peak	
4	5510.000	85.89	31.80	6.40	36.88	87.21	-----	-----	VERTICAL	Average	
5 *	5510.000	94.95	31.80	6.40	36.88	96.27	68.20	28.07	VERTICAL	Peak	

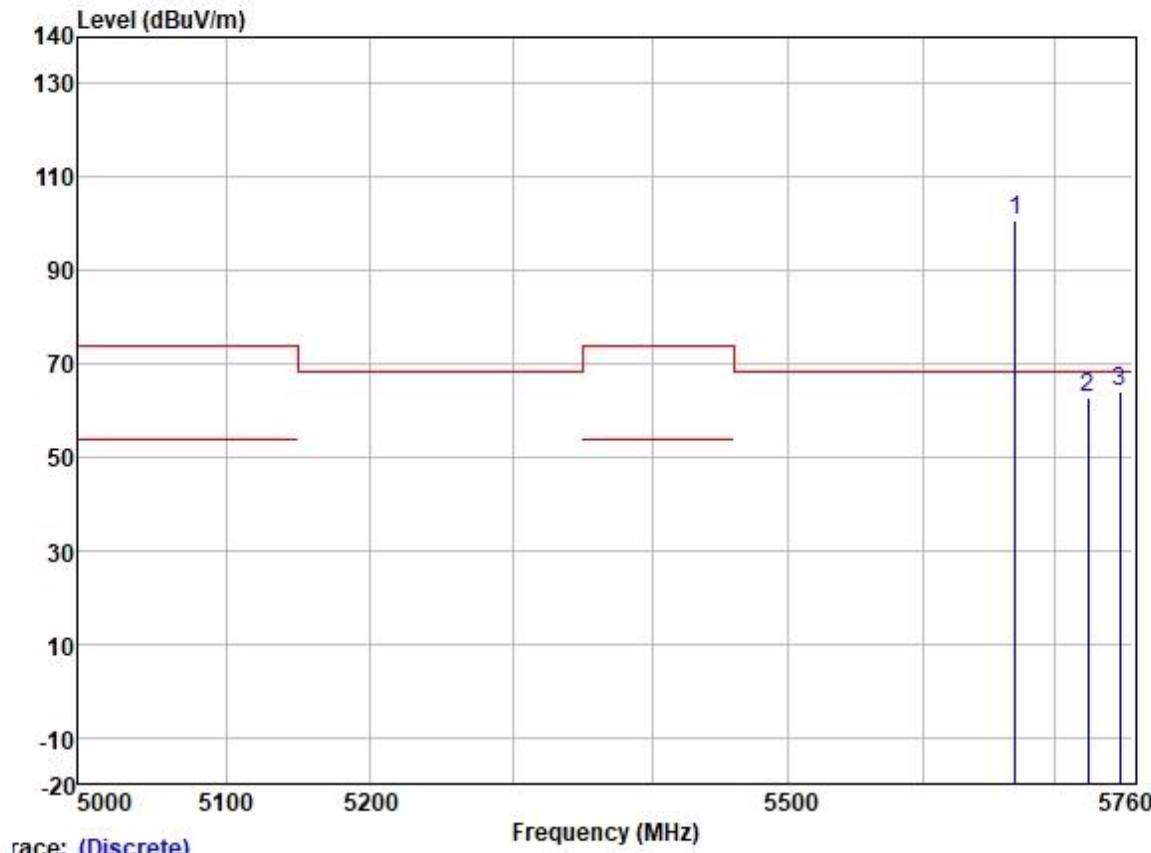
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Test Mode: 20; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



	Freq	ReadAntenna	Cable	Preamp	Limit	Over	Limit	Pol/Phase	Remark
	MHz	Level	Factor	Loss	Factor	Line	Line	dB	
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5670.000	99.12	31.97	6.37	36.89	100.57	68.20	32.37	HORIZONTAL Peak
2	5725.000	61.47	32.07	6.25	36.89	62.90	68.20	-5.30	HORIZONTAL Peak
3	5749.328	62.50	32.10	6.20	36.89	63.91	68.20	-4.29	HORIZONTAL Peak

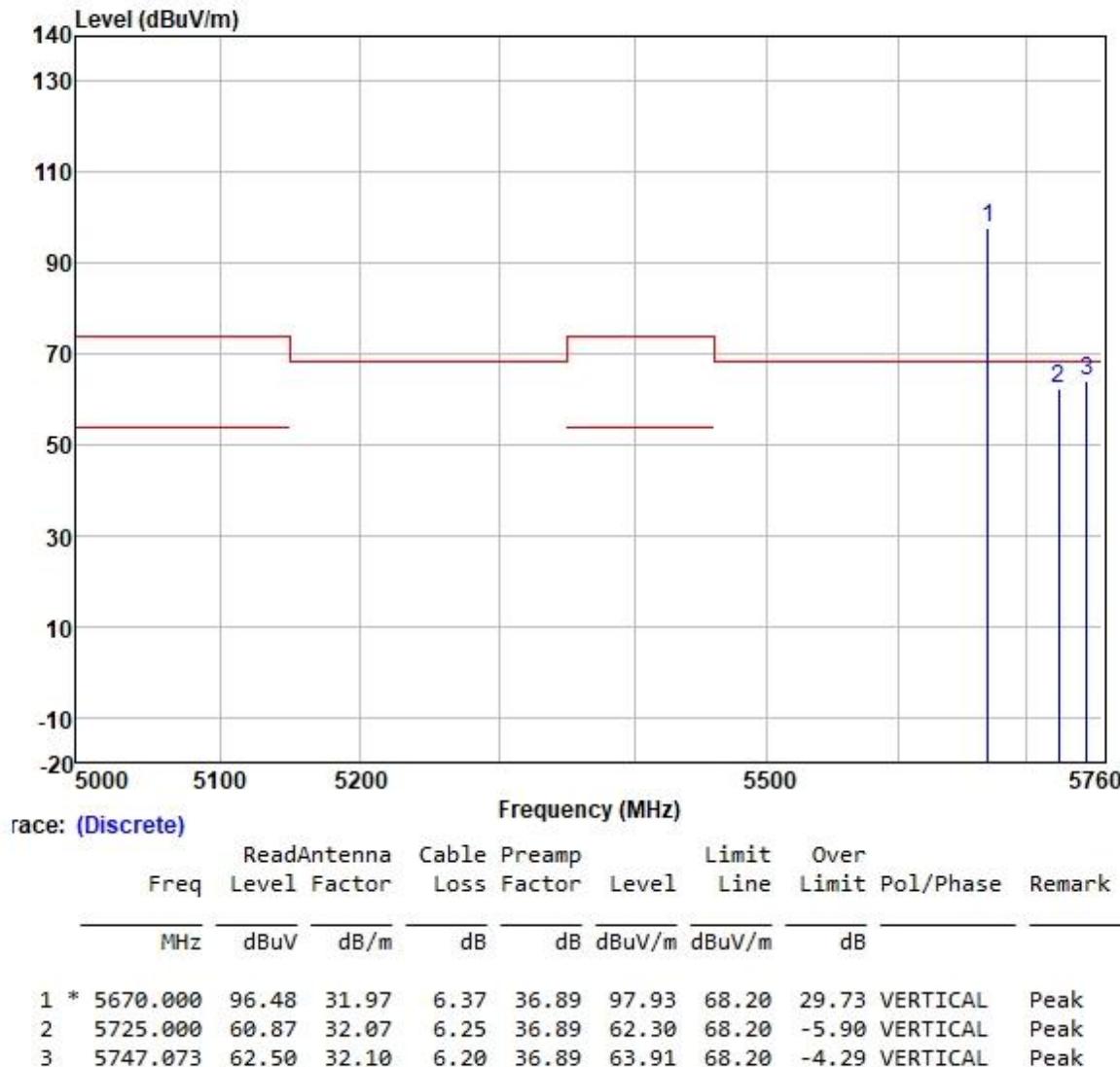
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Test Mode: 20; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



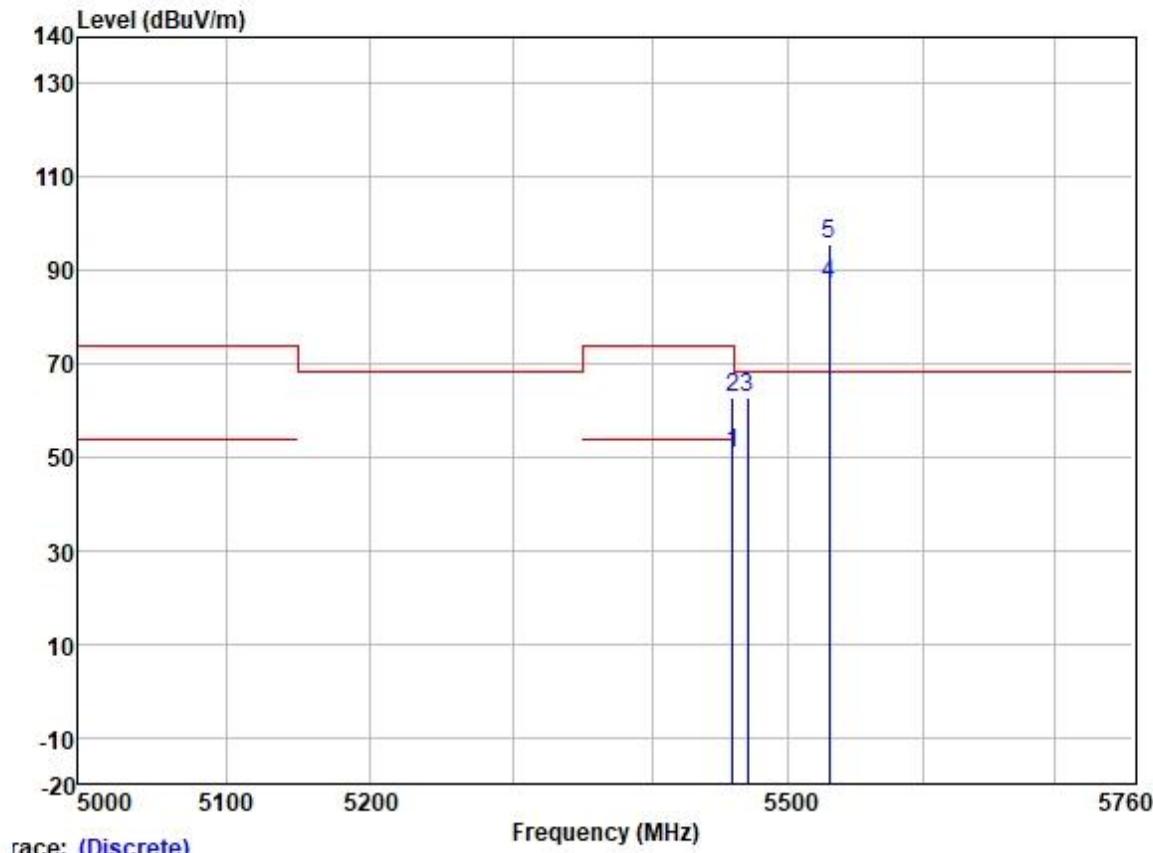
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Test Mode: 20; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Freq	ReadAntenna		Cable		Preamp Factor	Loss	Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB								
1	5458.749	49.53	31.79	6.26	36.88	50.70	54.00	-3.30	HORIZONTAL	Average		
2	5458.749	61.48	31.79	6.26	36.88	62.65	74.00	-11.35	HORIZONTAL	Peak		
3	5469.499	61.56	31.80	6.31	36.88	62.79	68.20	-5.41	HORIZONTAL	Peak		
4	5530.000	85.59	31.83	6.37	36.89	86.90	-----	-----	HORIZONTAL	Average		
5 *	5530.000	94.21	31.83	6.37	36.89	95.52	68.20	27.32	HORIZONTAL	Peak		

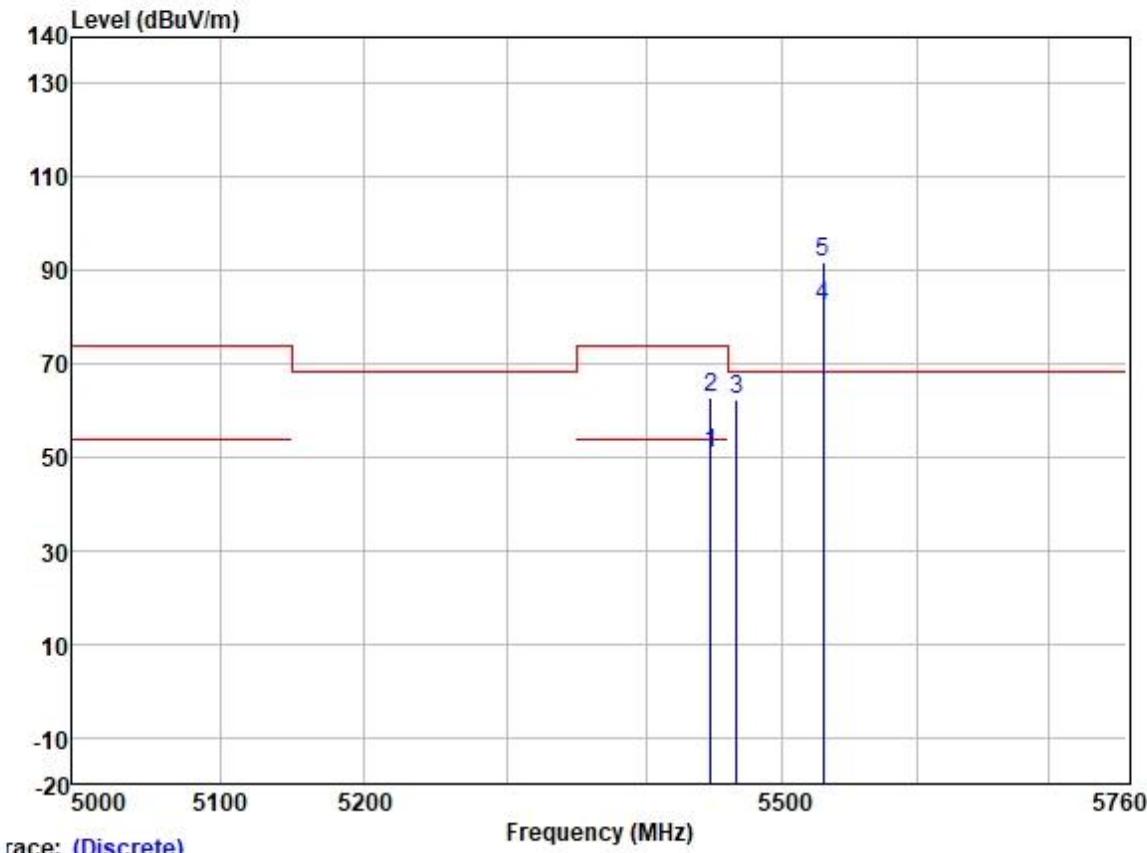
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Test Mode: 20; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Trace: (Discrete)

Freq	ReadAntenna		Cable		Preamp Loss	Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB							
1	5447.126	49.53	31.79	6.20	36.88	50.64	54.00	-3.36	VERTICAL	Average	
2	5447.126	61.55	31.79	6.20	36.88	62.66	74.00	-11.34	VERTICAL	Peak	
3	5465.913	61.20	31.80	6.31	36.88	62.43	68.20	-5.77	VERTICAL	Peak	
4	5530.000	81.20	31.83	6.37	36.89	82.51	-----	-----	VERTICAL	Average	
5 *	5530.000	90.33	31.83	6.37	36.89	91.64	68.20	23.44	VERTICAL	Peak	

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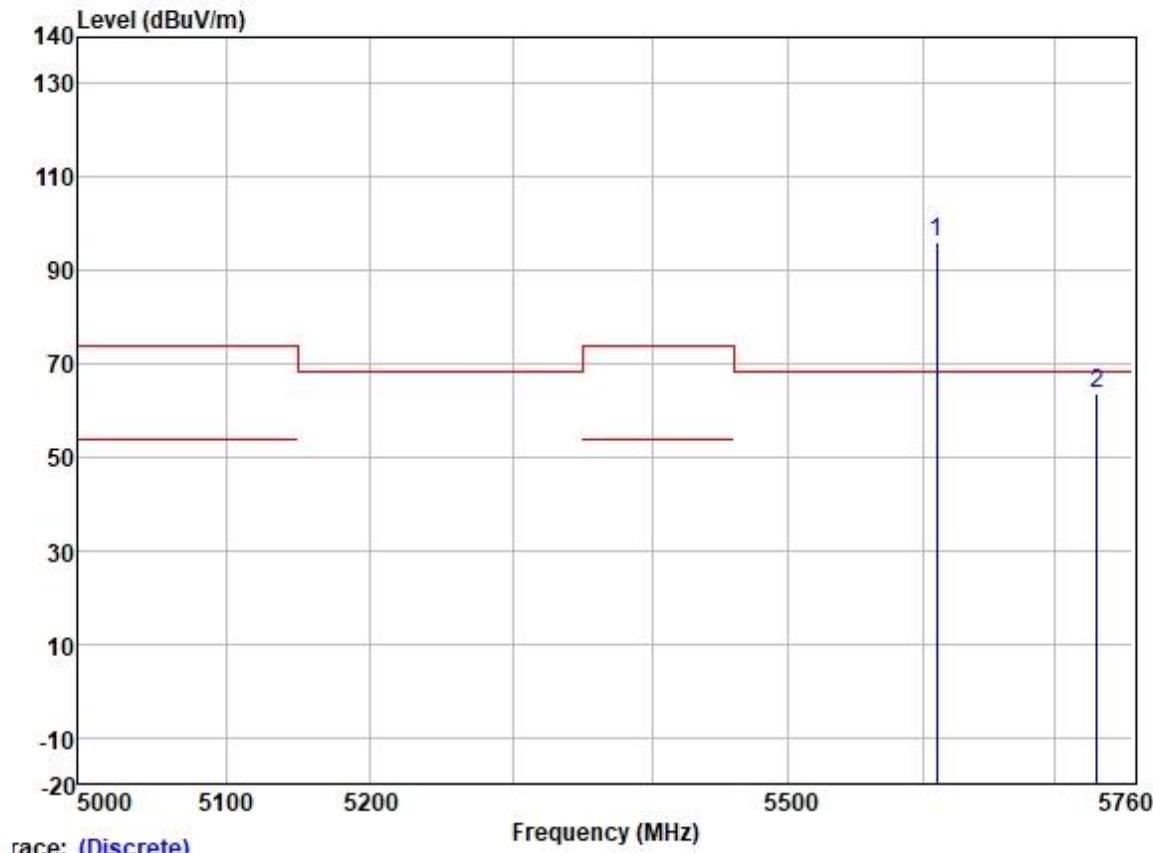


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Test Mode: 20; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:High

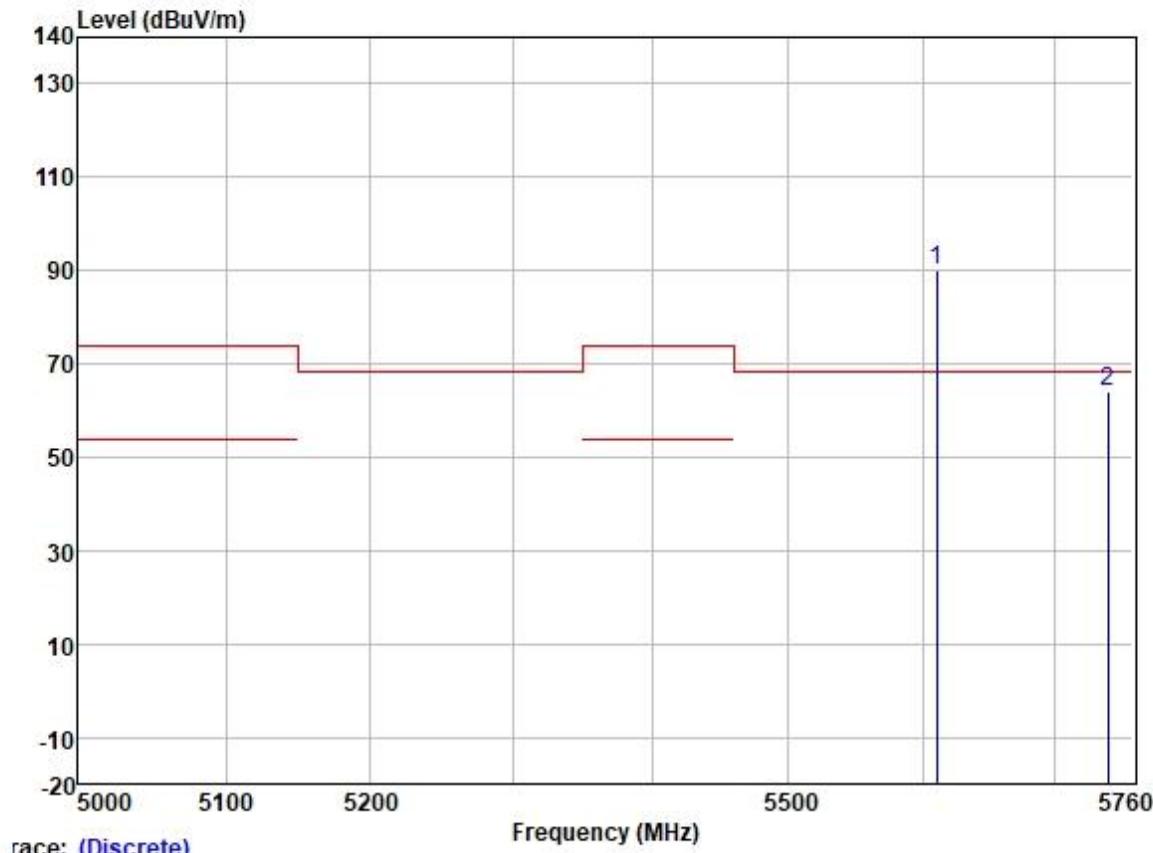


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Test Mode: 20; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:High

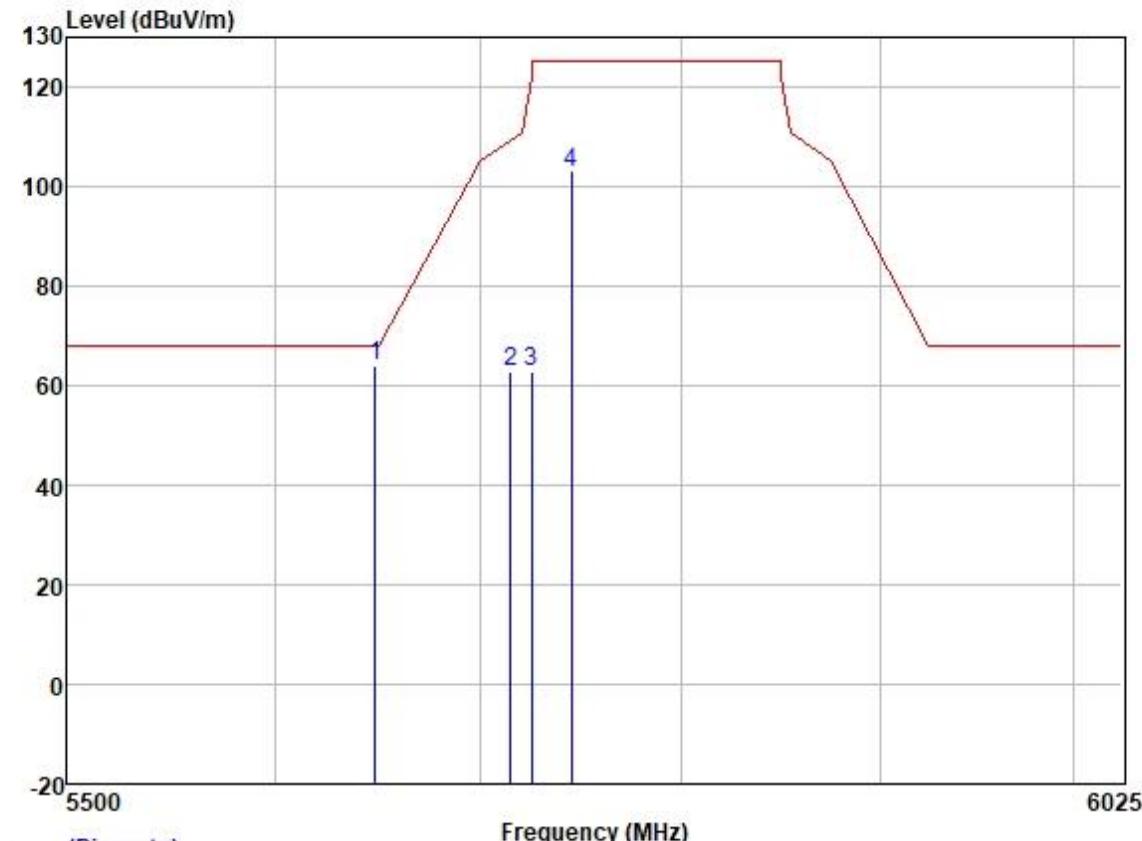


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Test Mode: 22; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Mode: (Discrete)

Freq	ReadAntenna		Cable		Preamp Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	Level Factor	Loss	dB	dBuV/m	dBuV/m	dB	
1	5648.581	62.44	31.95	6.35	36.89	63.85	68.20	-4.35	HORIZONTAL Peak
2	5715.000	61.31	32.04	6.33	36.89	62.79	109.40	-46.61	HORIZONTAL Peak
3	5725.000	61.38	32.07	6.25	36.89	62.81	122.20	-59.39	HORIZONTAL Peak
4	5745.000	101.59	32.10	6.20	36.89	103.00	125.20	-22.20	HORIZONTAL Peak

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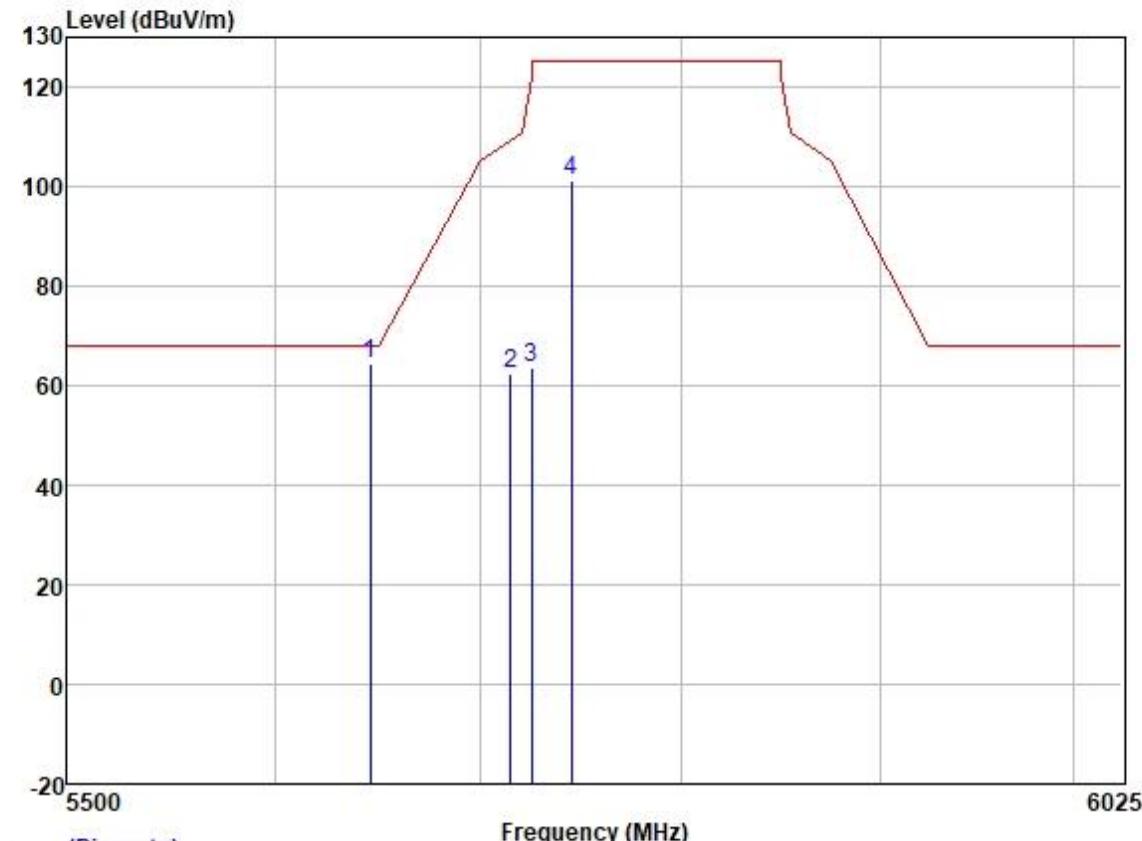
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Test Mode: 22; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

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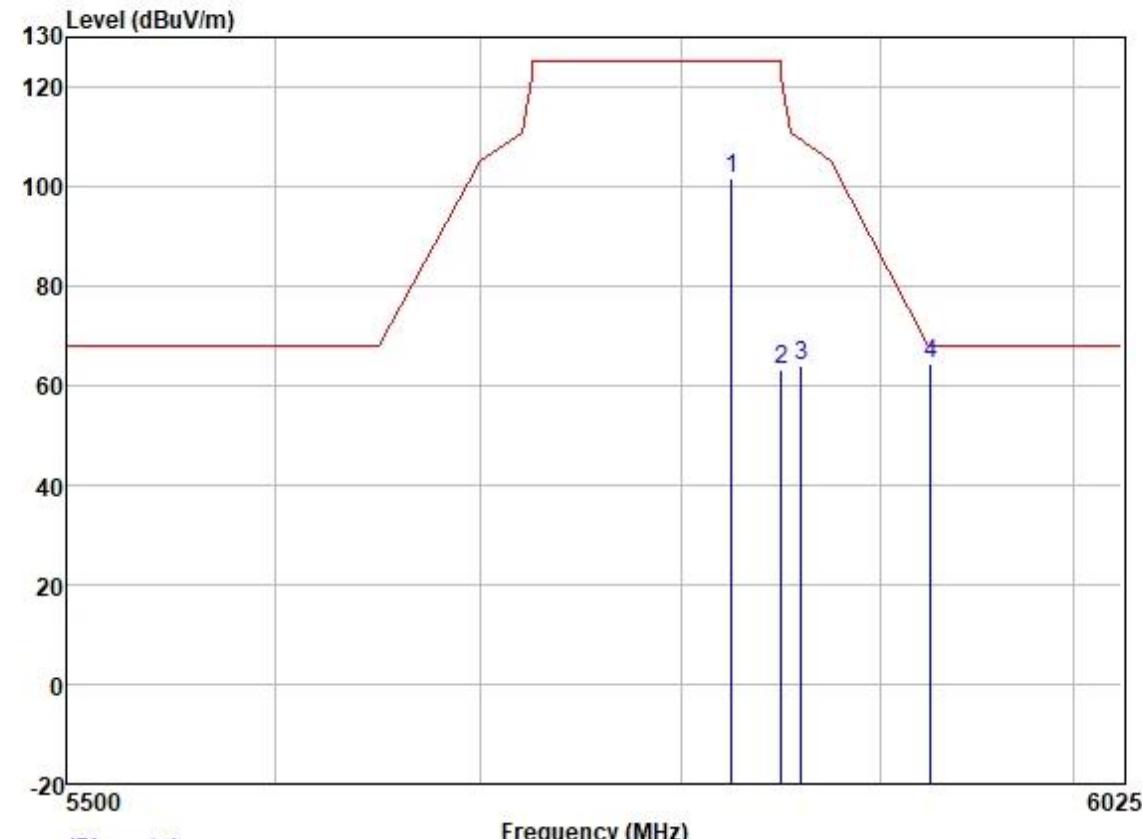
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Test Mode: 22; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

Freq	ReadAntenna		Cable		Preamp Factor	Loss	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB							
1	5825.000	100.36	32.23	6.04	36.90	101.73	125.20	-23.47	HORIZONTAL	Peak	
2	5850.000	61.98	32.25	6.00	36.90	63.33	122.20	-58.87	HORIZONTAL	Peak	
3	5860.000	62.67	32.27	5.96	36.90	64.00	109.40	-45.40	HORIZONTAL	Peak	
4	5926.183	62.77	32.34	6.00	36.90	64.21	68.20	-3.99	HORIZONTAL	Peak	

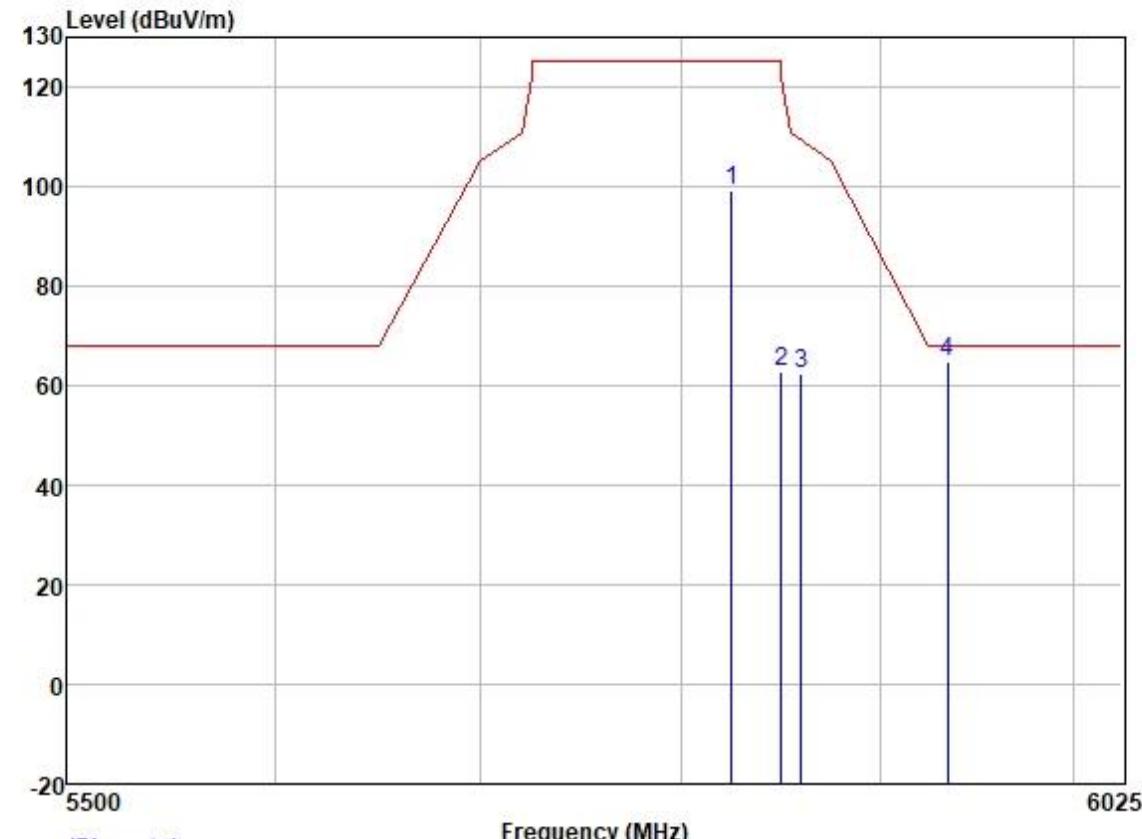
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Test Mode: 22; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High

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Guangzhou Branch Testing Center EEC Laboratory

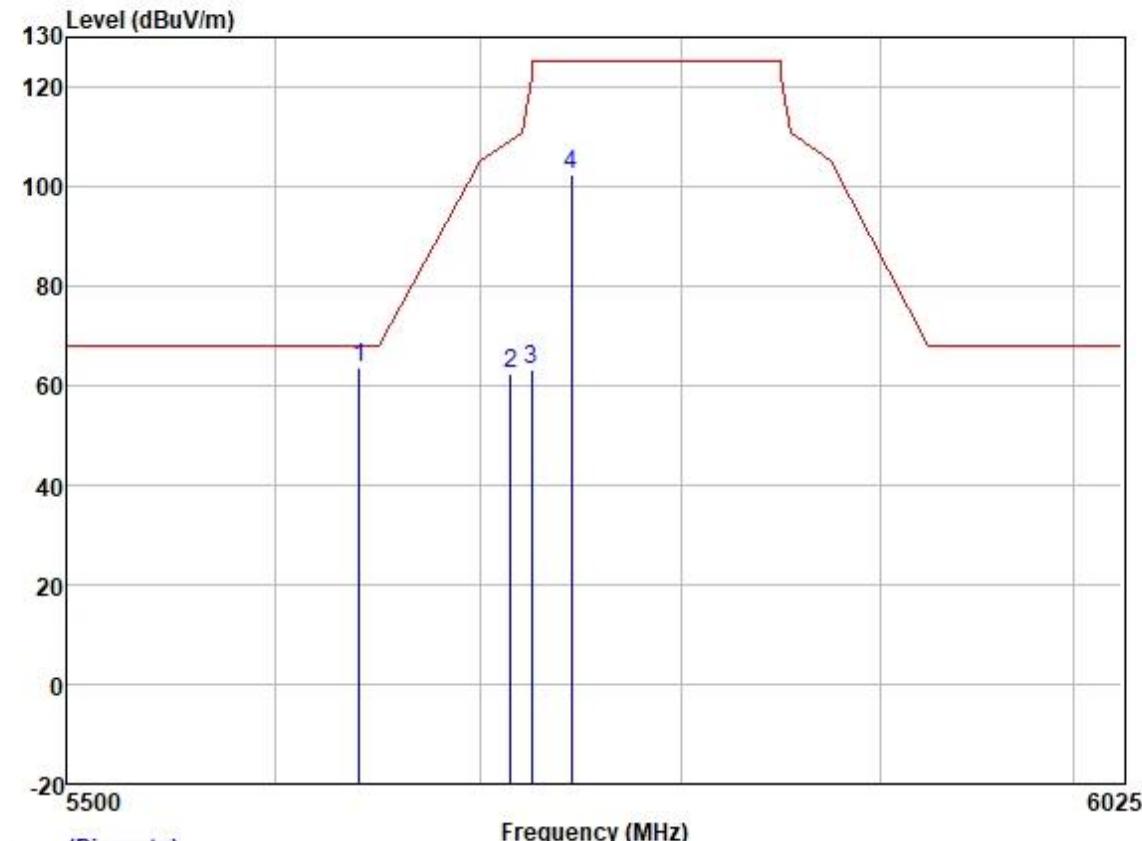
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Test Mode: 22; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

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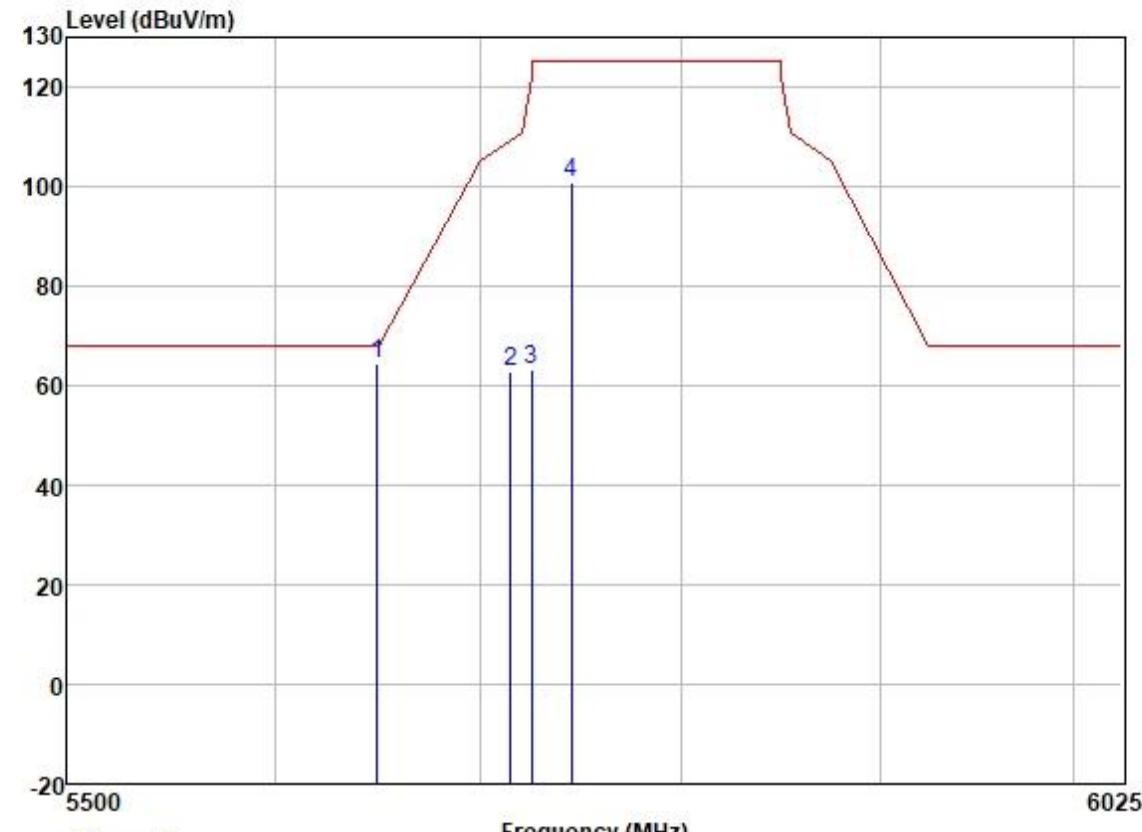
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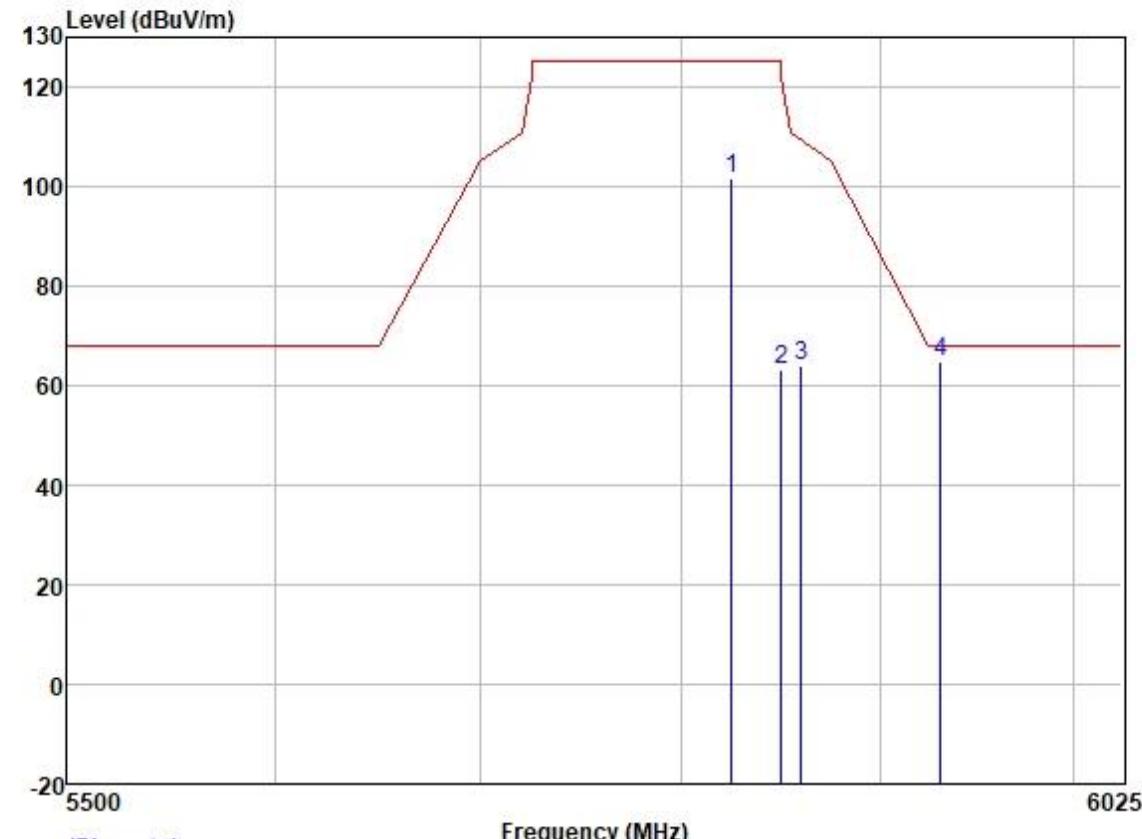
Test Mode: 22; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



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Test Mode: 22; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



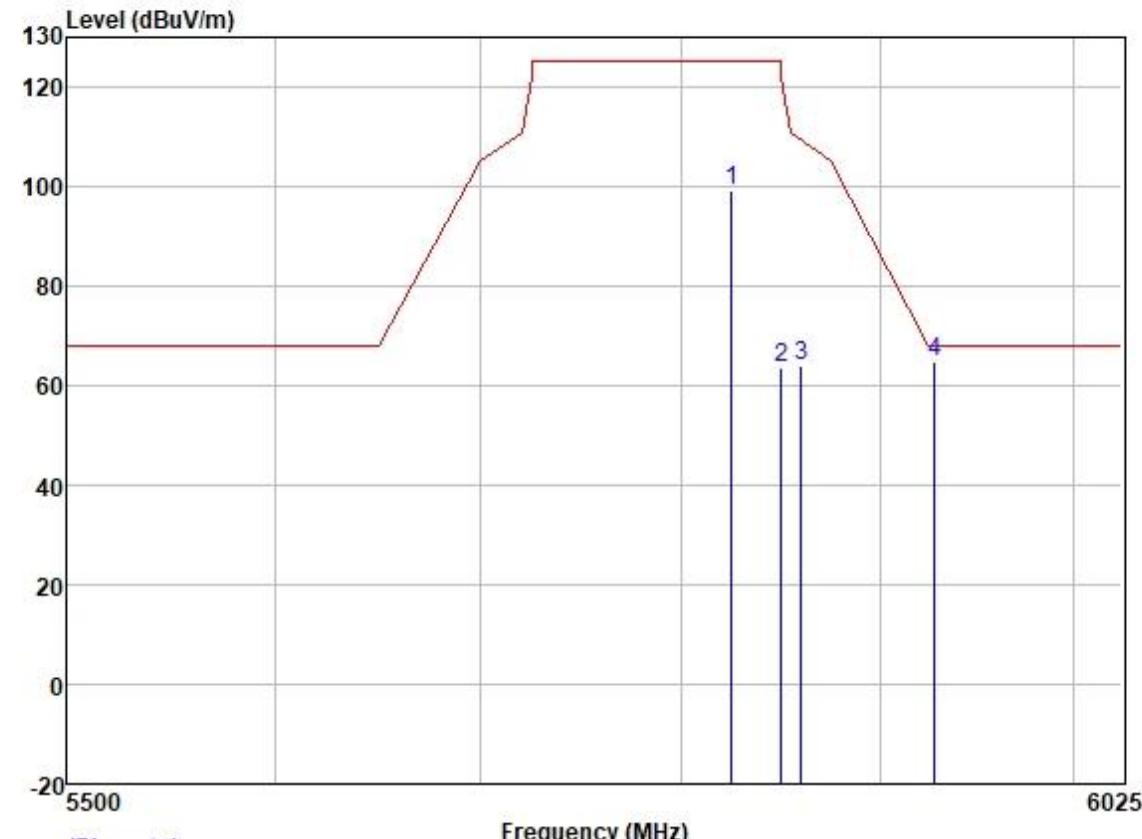
Frequency (MHz)										
Race: (Discrete)	ReadAntenna			Cable			Preamp		Limit	Over
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5825.000	100.18	32.23	6.04	36.90	101.55	125.20	-23.65	HORIZONTAL	Peak
2	5850.000	61.89	32.25	6.00	36.90	63.24	122.20	-58.96	HORIZONTAL	Peak
3	5860.000	62.77	32.27	5.96	36.90	64.10	109.40	-45.30	HORIZONTAL	Peak
4	5931.352	63.44	32.34	6.00	36.90	64.88	68.20	-3.32	HORIZONTAL	Peak

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Test Mode: 22; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



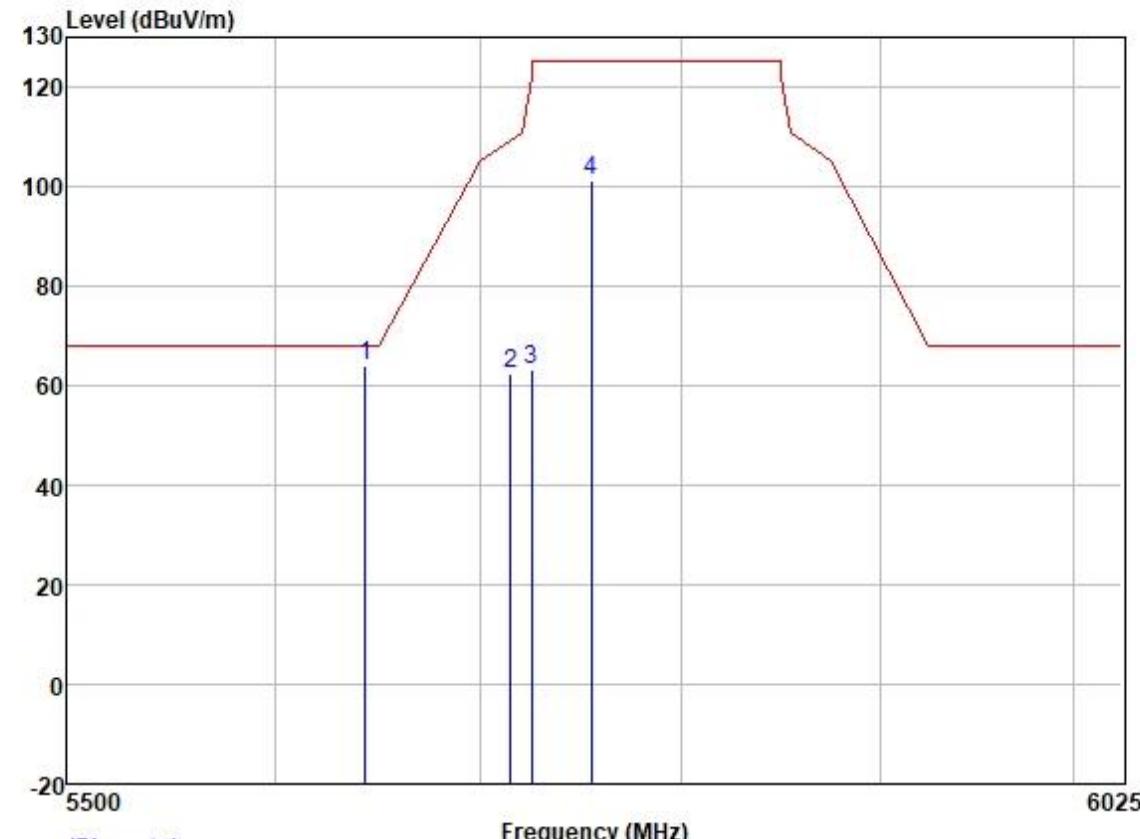
Race: (Discrete)	Frequency (MHz)									
	Freq	ReadAntenna		Cable		Preamp		Limit	Over	
		Level	Factor	Loss	Factor	Level	Line		Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	dB	
1	5825.000	97.72	32.23	6.04	36.90	99.09	125.20	-26.11	VERTICAL	Peak
2	5850.000	62.25	32.25	6.00	36.90	63.60	122.20	-58.60	VERTICAL	Peak
3	5860.000	62.70	32.27	5.96	36.90	64.03	109.40	-45.37	VERTICAL	Peak
4	5928.375	63.53	32.34	6.00	36.90	64.97	68.20	-3.23	VERTICAL	Peak

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Test Mode: 22; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

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Guangzhou Branch Testing Center EEC Laboratory

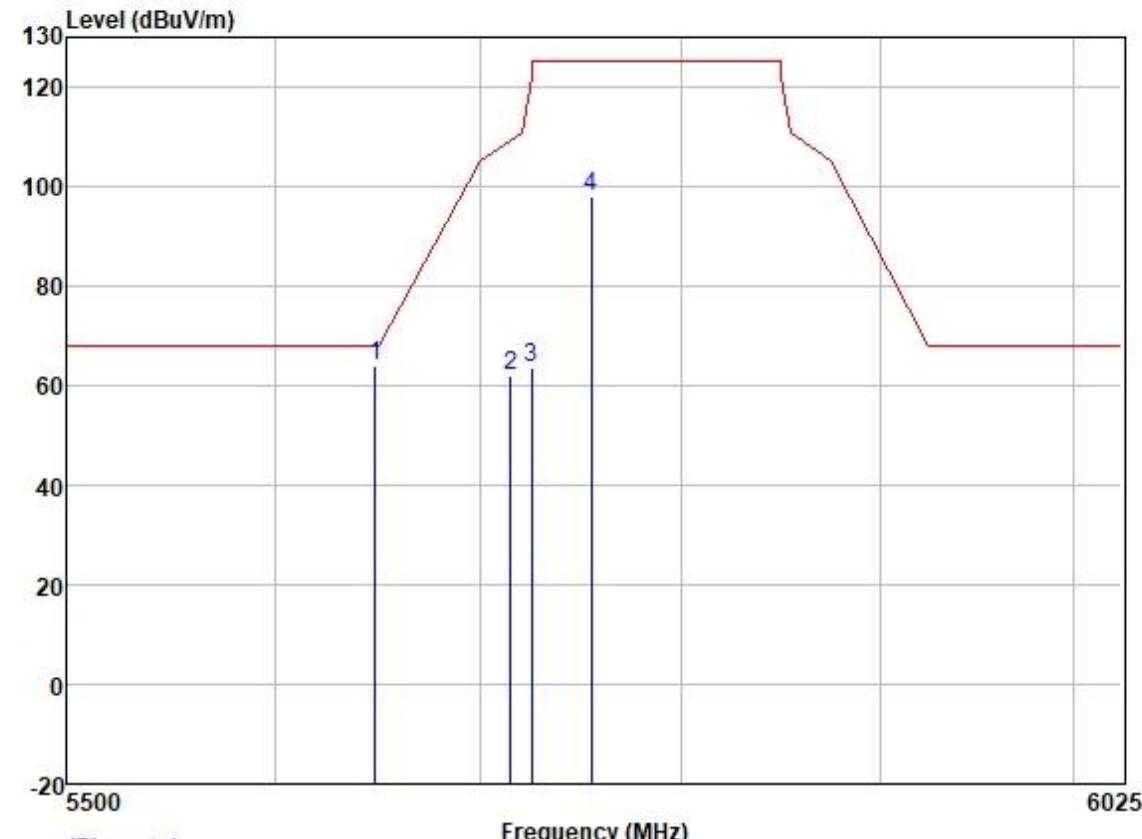
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Test Mode: 22; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

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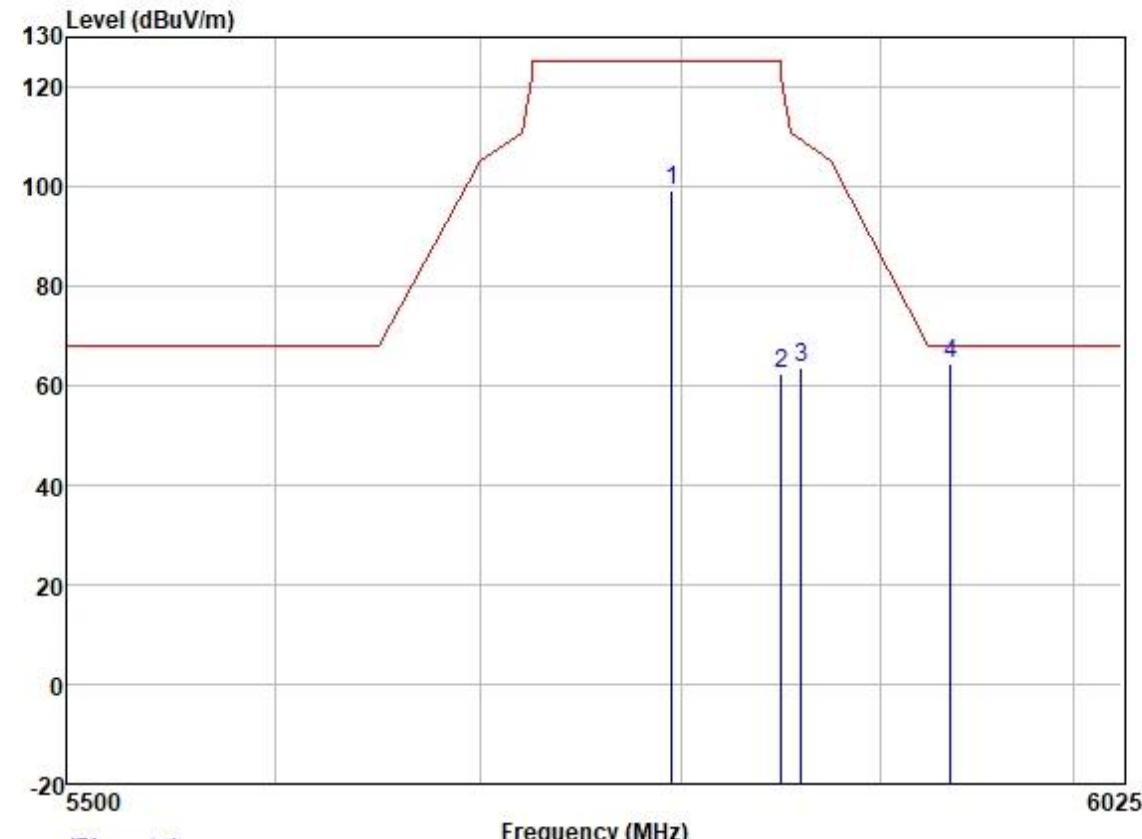
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Test Mode: 22; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Race: (Discrete)

Freq	ReadAntenna		Cable		Preamp Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	Level	Factor					
1	5795.000	97.85	32.19	6.10	36.89	99.25	125.20	-25.95	HORIZONTAL Peak
2	5850.000	61.07	32.25	6.00	36.90	62.42	122.20	-59.78	HORIZONTAL Peak
3	5860.000	62.16	32.27	5.96	36.90	63.49	109.40	-45.91	HORIZONTAL Peak
4	5936.461	62.83	32.34	6.00	36.90	64.27	68.20	-3.93	HORIZONTAL Peak

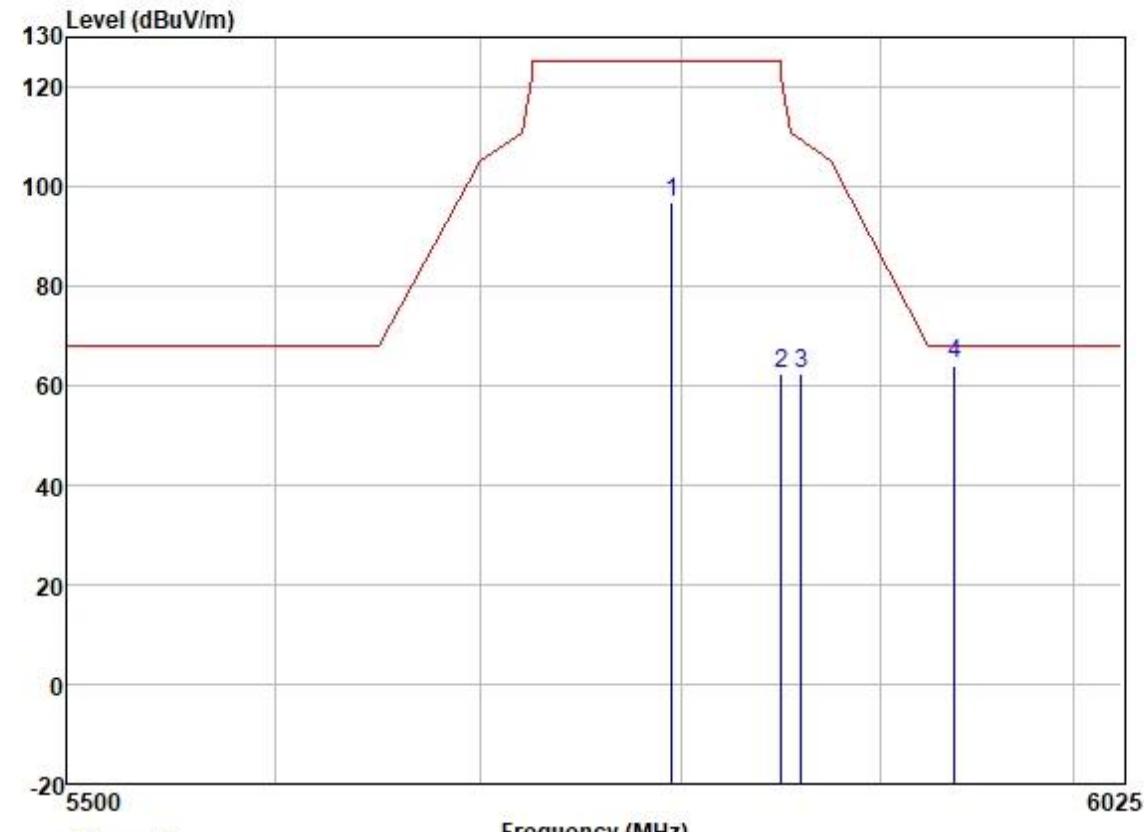
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Test Mode: 22; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Race:	Freq	ReadAntenna		Cable		Preamp	Limit	Over	Limit	Pol/Phase	Remark
		Level	Factor	Loss	Factor						
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1	5795.000	95.27	32.19	6.10	36.89	96.67	125.20	-28.53	VERTICAL	Peak	
2	5850.000	61.07	32.25	6.00	36.90	62.42	122.20	-59.78	VERTICAL	Peak	
3	5860.000	61.19	32.27	5.96	36.90	62.52	109.40	-46.88	VERTICAL	Peak	
4	5938.290	62.76	32.34	6.00	36.90	64.20	68.20	-4.00	VERTICAL	Peak	

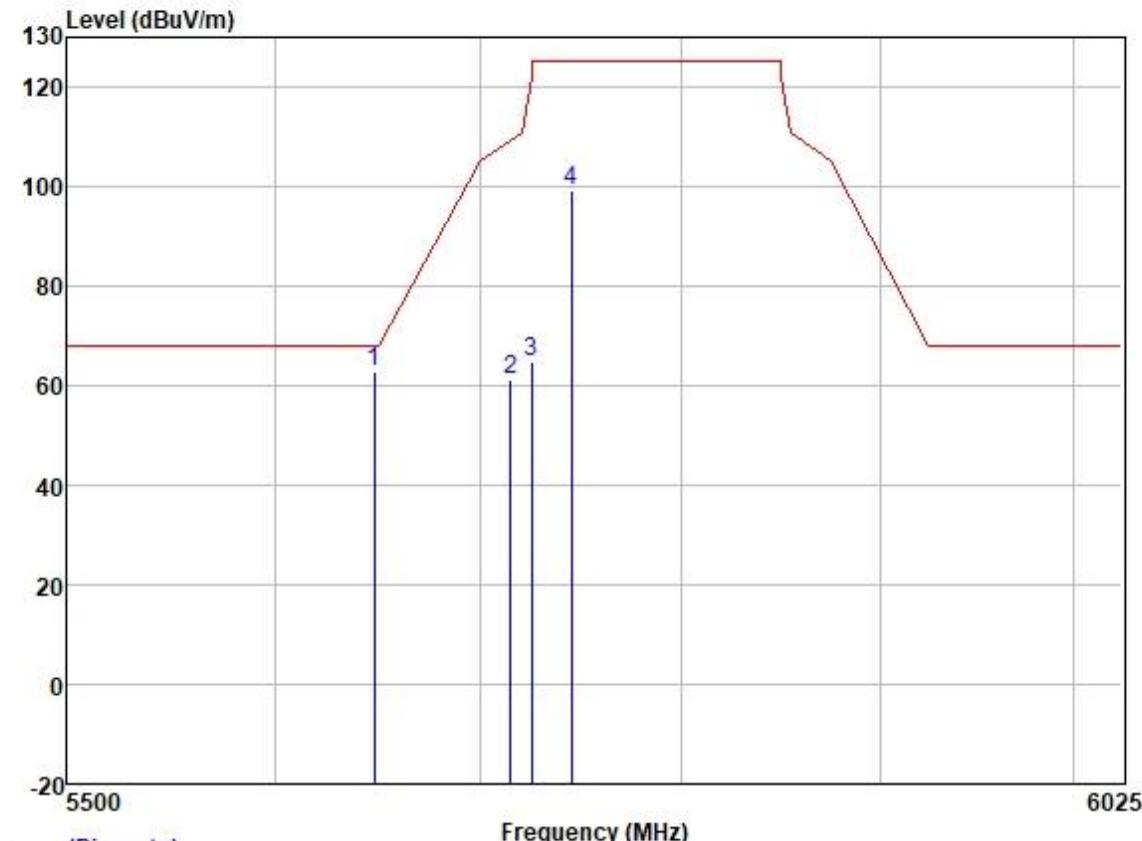
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Test Mode: 22; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

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Guangzhou Branch Testing Center EEC Laboratory

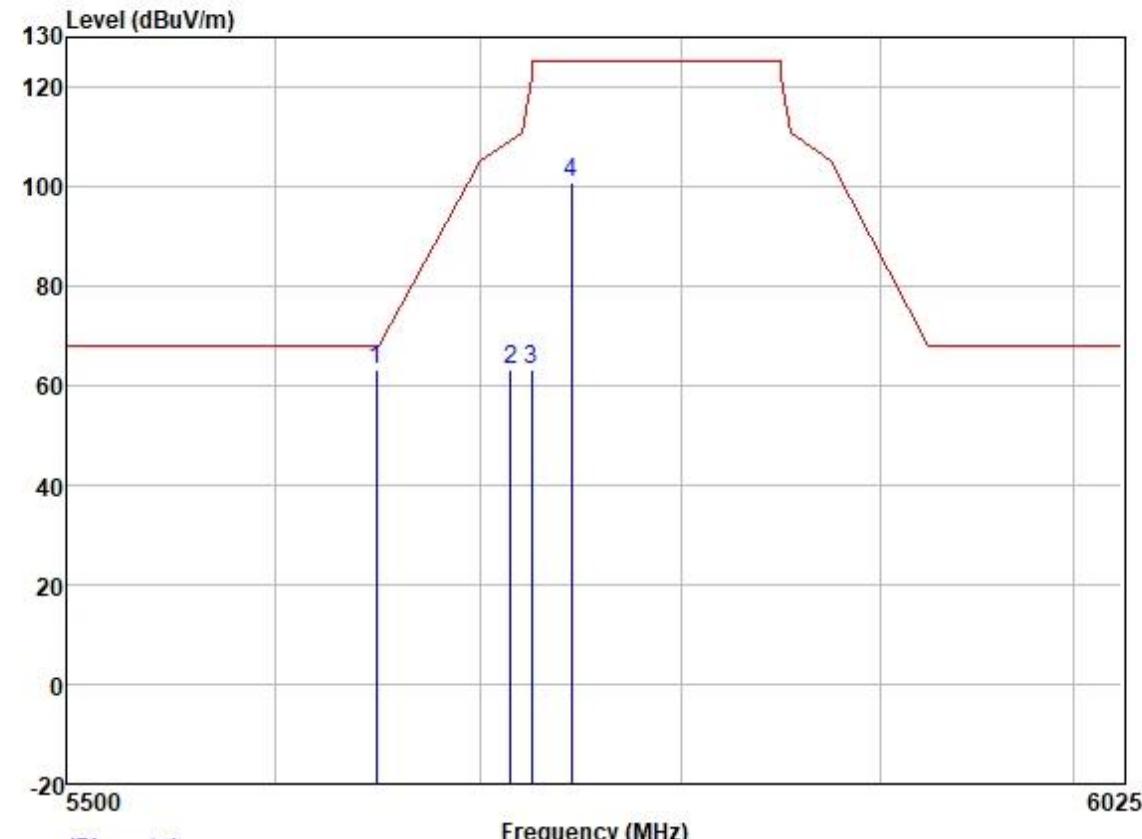
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Test Mode: 22; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Point	Freq	ReadAntenna		Cable		Preamp	Limit	Over	Limit	Pol/Phase	Remark
		Level	Factor	Loss	Factor						
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1	5648.996	61.95	31.95	6.35	36.89	63.36	68.20	-4.84	VERTICAL	Peak	
2	5715.000	61.72	32.04	6.33	36.89	63.20	109.40	-46.20	VERTICAL	Peak	
3	5725.000	61.91	32.07	6.25	36.89	63.34	122.20	-58.86	VERTICAL	Peak	
4	5745.000	99.20	32.10	6.20	36.89	100.61	125.20	-24.59	VERTICAL	Peak	

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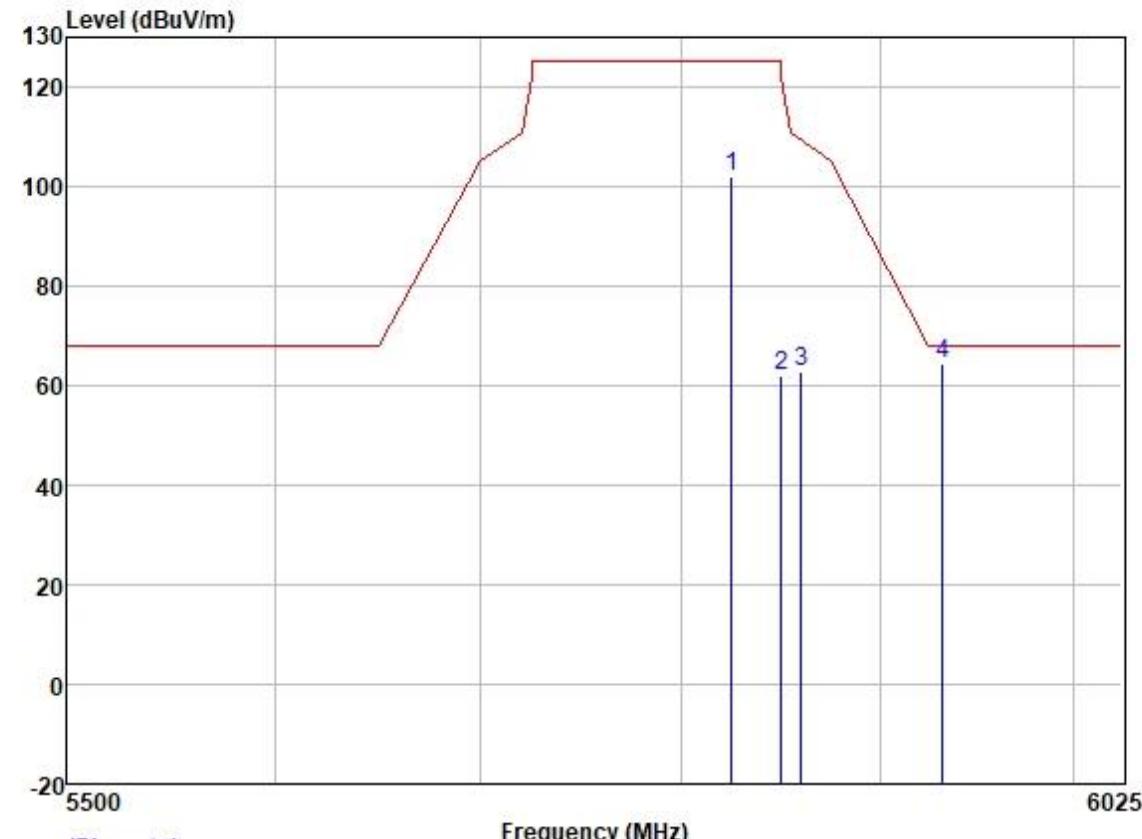
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Test Mode: 22; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High

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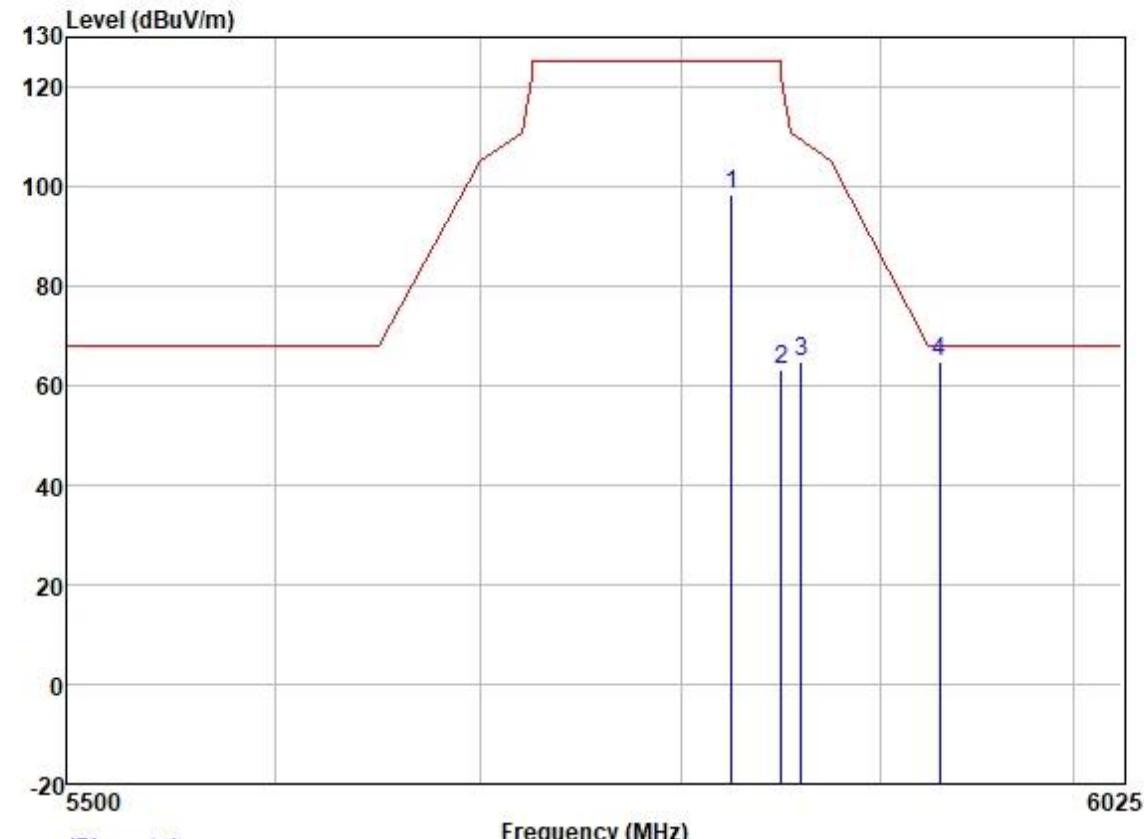
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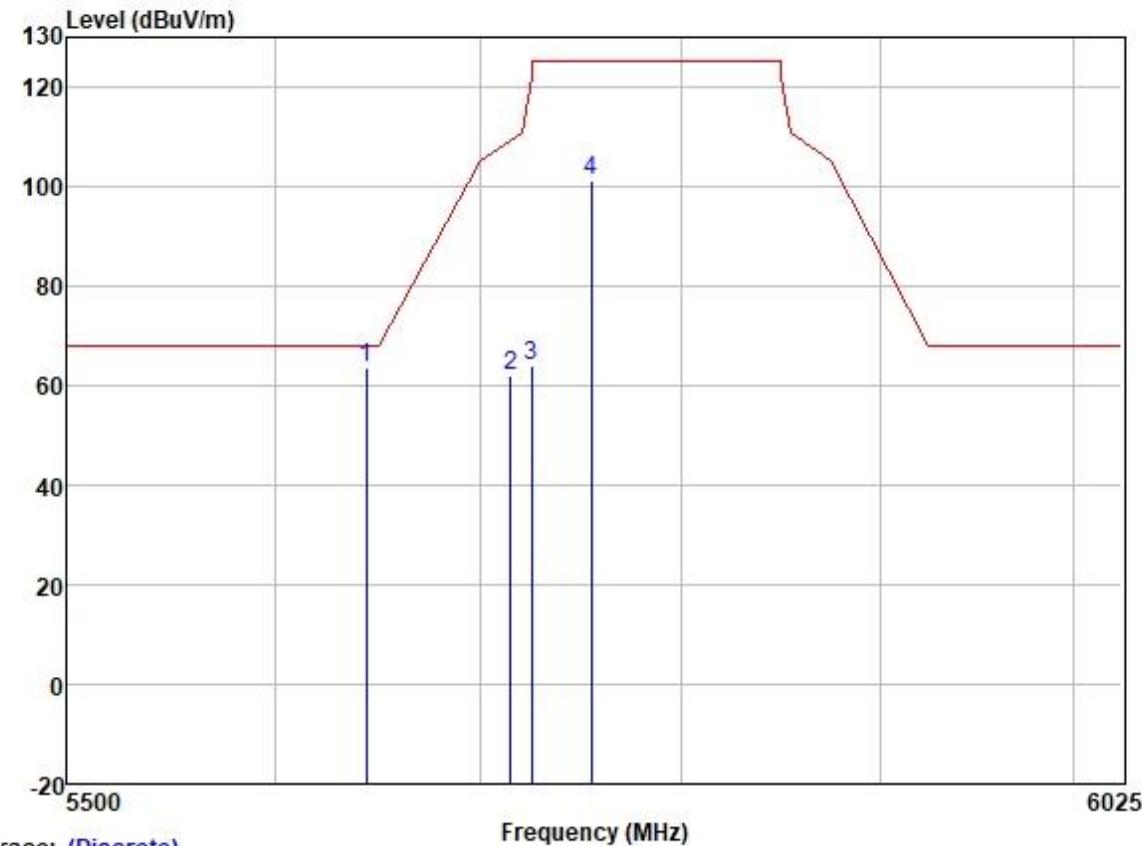
Test Mode: 22; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



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Test Mode: 22; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

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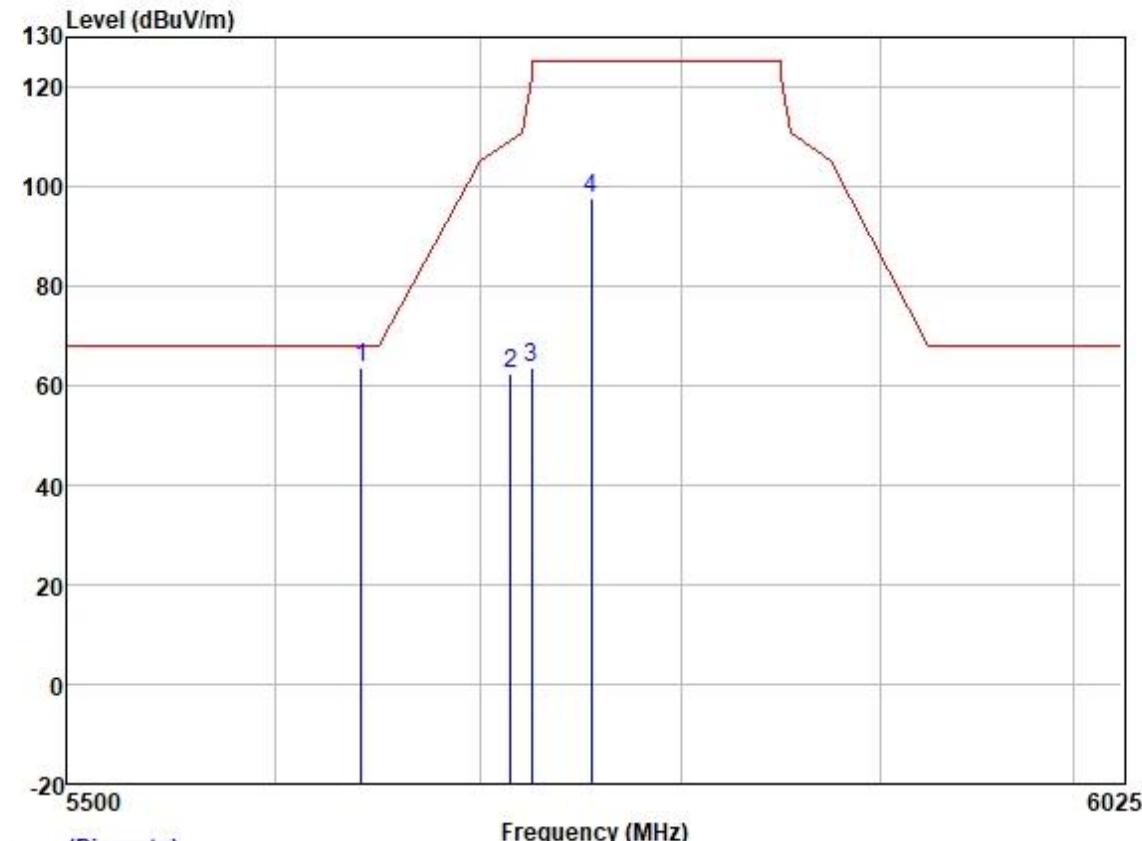
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Test Mode: 22; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

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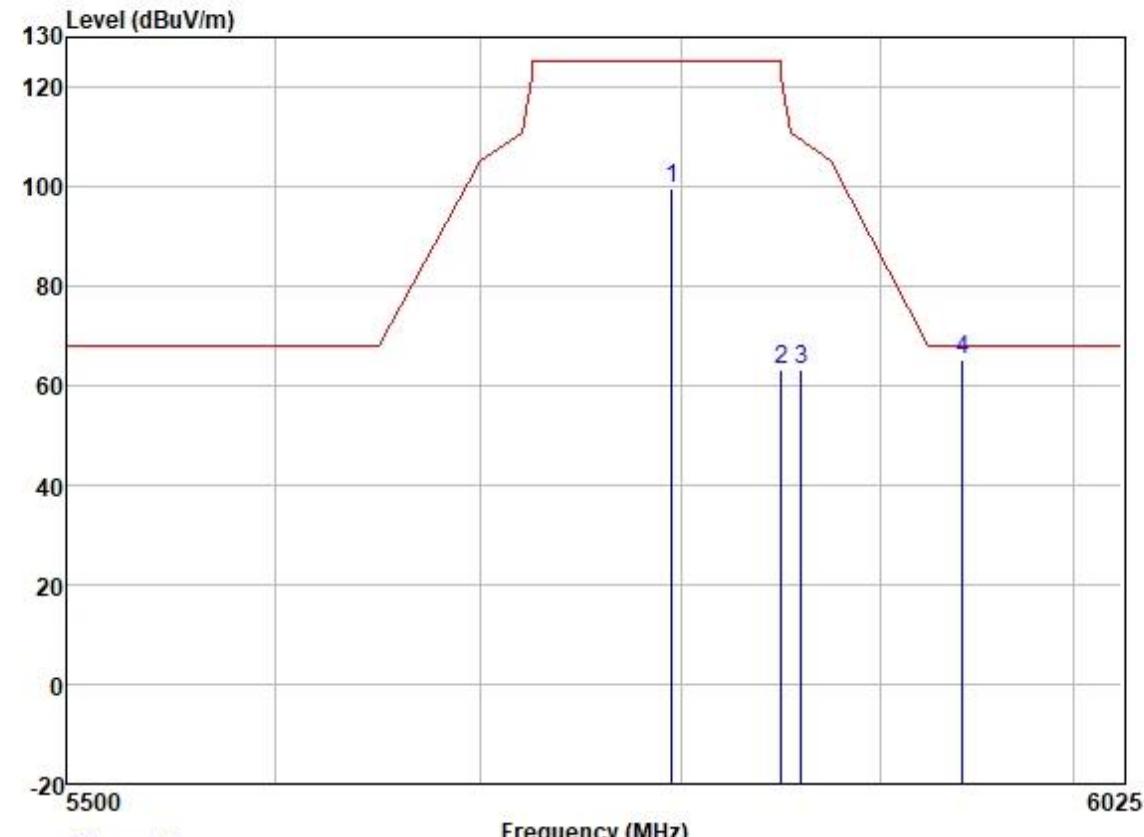
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Test Mode: 22; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Trace: (Discrete)

Freq	ReadAntenna		Cable		Preamp Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	Level Factor	Loss					
1	5795.000	98.06	32.19	6.10	36.89	99.46	125.20	-25.74	HORIZONTAL Peak
2	5850.000	61.85	32.25	6.00	36.90	63.20	122.20	-59.00	HORIZONTAL Peak
3	5860.000	62.05	32.27	5.96	36.90	63.38	109.40	-46.02	HORIZONTAL Peak
4	5942.559	63.52	32.36	6.05	36.90	65.03	68.20	-3.17	HORIZONTAL Peak

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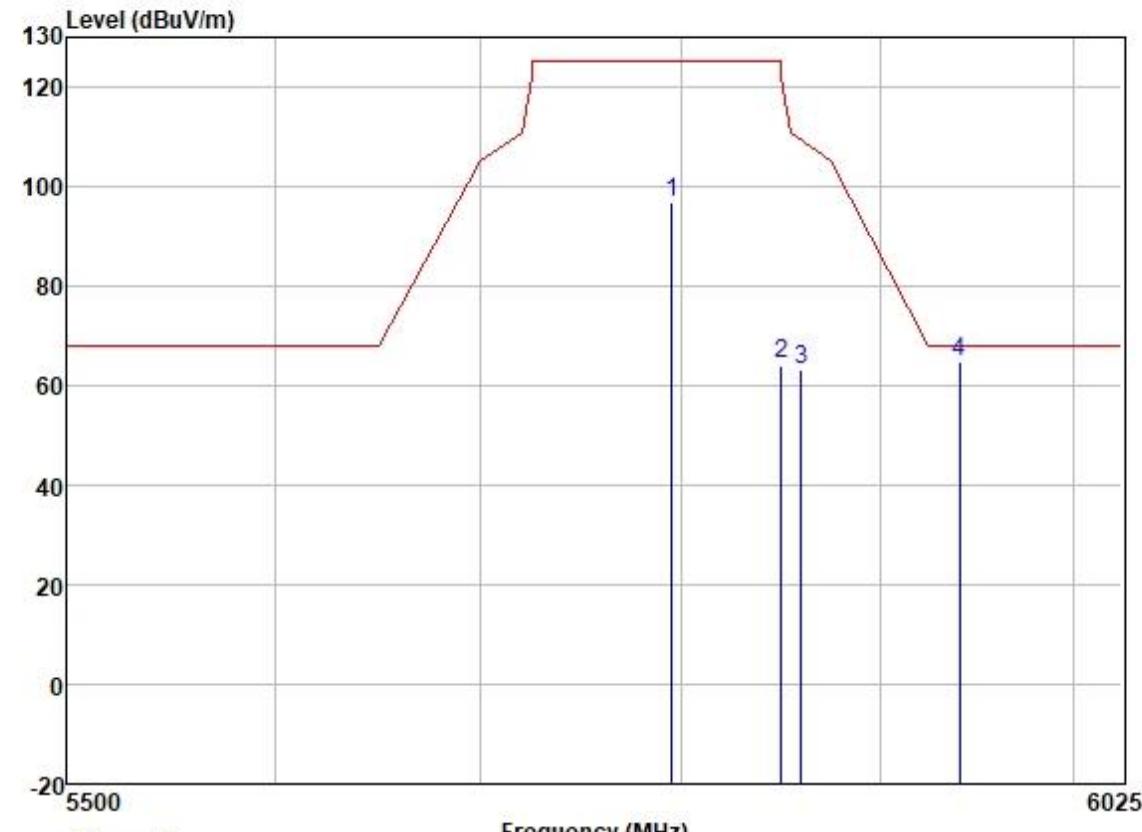
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Test Mode: 22; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Mode: (Discrete)

Frequency (MHz)

Race:	Freq	ReadAntenna		Cable		Preamp	Limit	Over	Limit	Pol/Phase	Remark
		Level	Factor	Loss	Factor						
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1	5795.000	95.43	32.19	6.10	36.89	96.83	125.20	-28.37	VERTICAL	Peak	
2	5850.000	62.85	32.25	6.00	36.90	64.20	122.20	-58.00	VERTICAL	Peak	
3	5860.000	61.91	32.27	5.96	36.90	63.24	109.40	-46.16	VERTICAL	Peak	
4	5940.933	63.55	32.34	6.00	36.90	64.99	68.20	-3.21	VERTICAL	Peak	

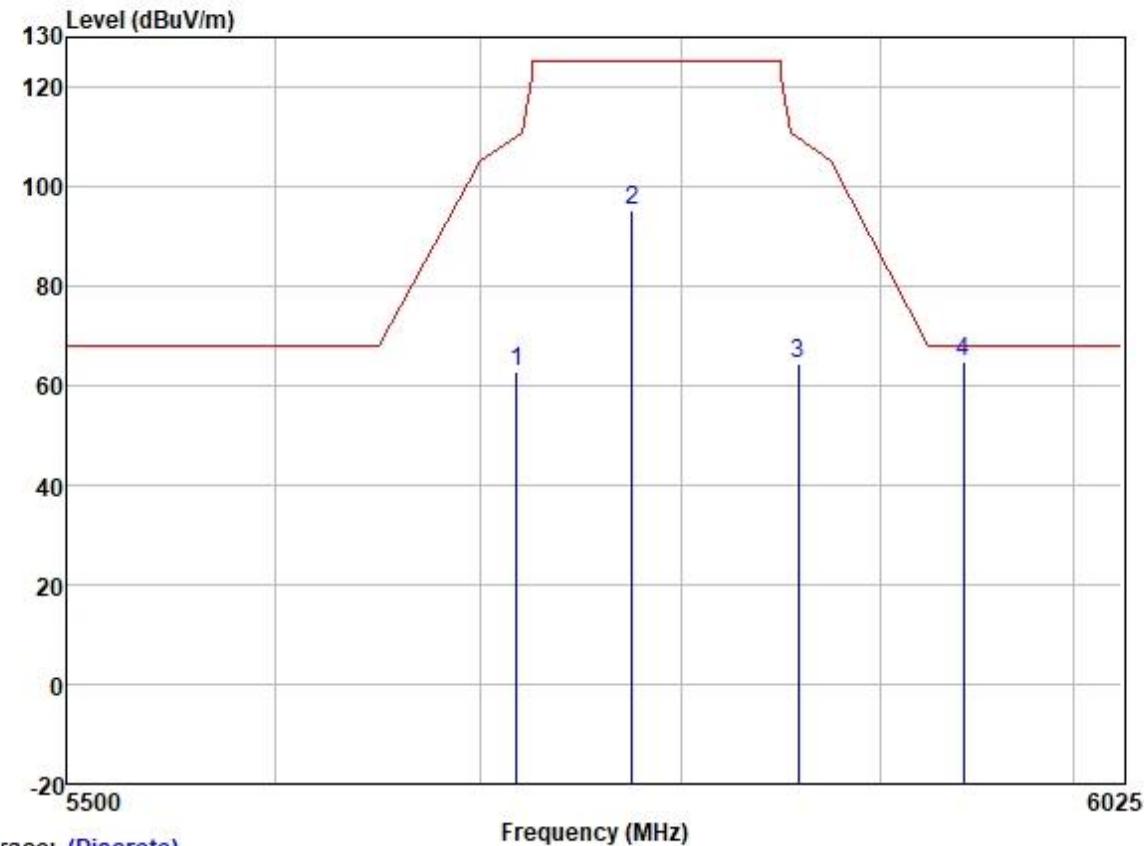
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Test Mode: 22; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle

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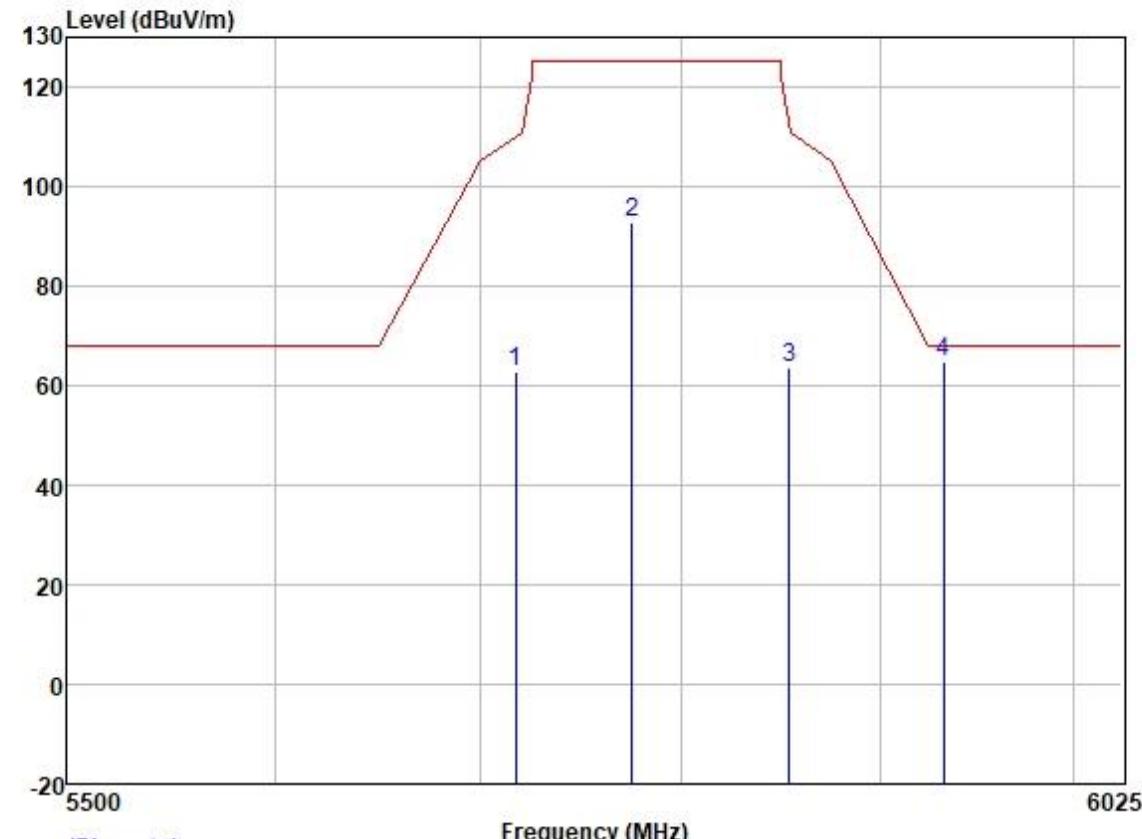
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Test Mode: 22; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Race: (Discrete)

Freq	ReadAntenna		Cable		Preamp Factor	Loss	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB							
1	5717.460	61.49	32.04	6.33	36.89	62.97	110.09	-47.12	VERTICAL	Peak	
2	5775.000	91.25	32.16	6.10	36.89	92.62	125.20	-32.58	VERTICAL	Peak	
3	5854.273	62.24	32.25	6.00	36.90	63.59	112.46	-48.87	VERTICAL	Peak	
4	5932.489	63.29	32.34	6.00	36.90	64.73	68.20	-3.47	VERTICAL	Peak	

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7.3 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.

7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 20.2 °C Humidity: 45.2 % RH Atmospheric Pressure: 1020 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	15	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	16	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	17	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. 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	18	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. 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	19	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. 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	20	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. 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.
Pre-scan	21	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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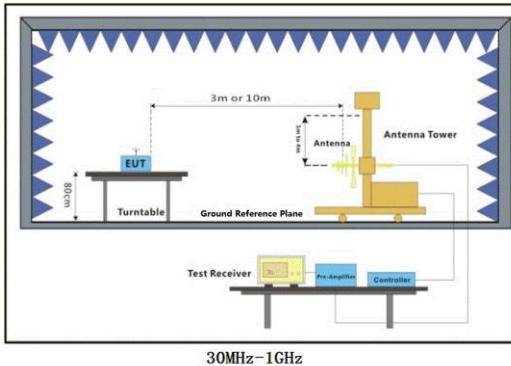


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Pre-scan 22

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.

7.3.3 Test Setup Diagram



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7.3.4 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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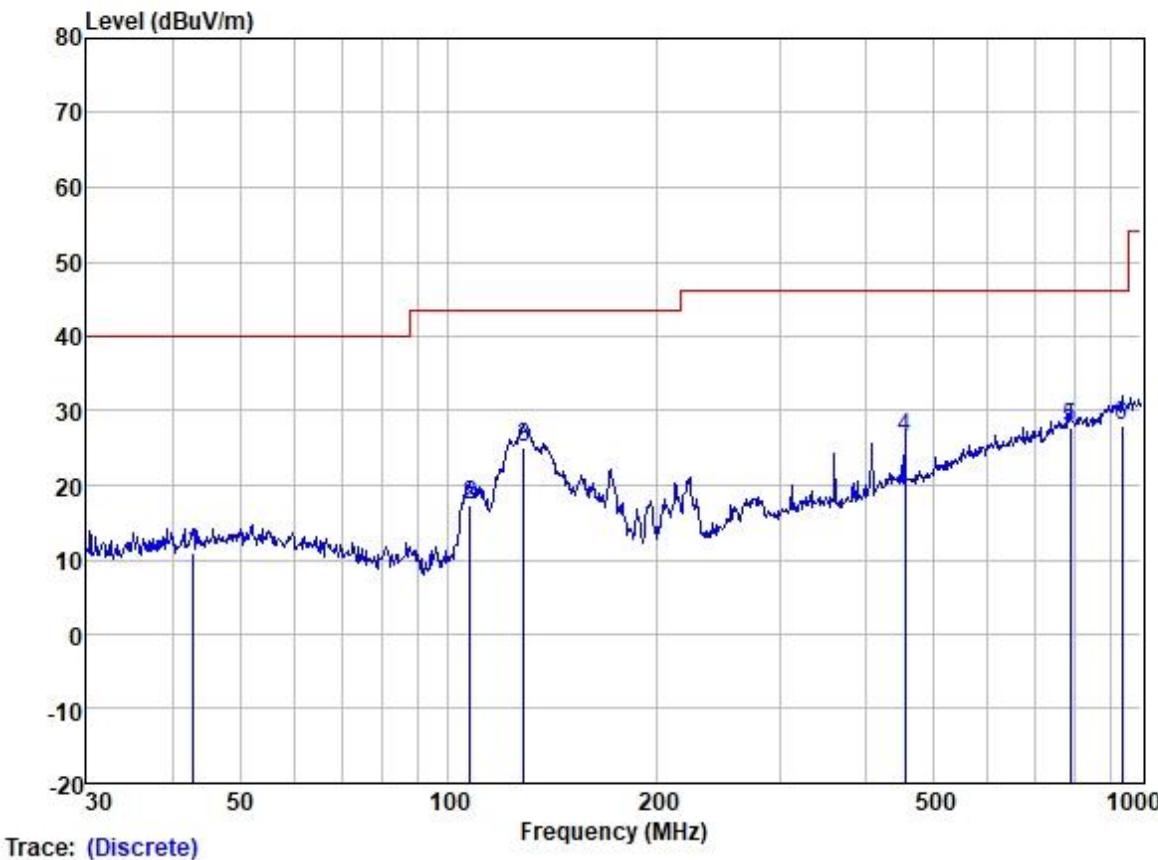


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Test Mode: 16; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : SGS
 Job :
 Model :
 Power :
 Test Mode : 16

Freq	Read	Antena	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	dB		
1 42.750	23.81	13.31	1.11	27.17	11.06	40.00	-28.94	HORIZONTAL	QP
2 107.510	32.76	9.80	1.78	27.06	17.28	43.50	-26.22	HORIZONTAL	QP
3 128.563	38.31	11.75	1.94	27.00	25.00	43.50	-18.50	HORIZONTAL	QP
4 455.906	33.00	16.91	4.22	27.75	26.38	46.00	-19.62	HORIZONTAL	QP
5 790.619	26.95	22.58	6.14	28.04	27.63	46.00	-18.37	HORIZONTAL	QP
6 938.833	25.08	23.53	7.12	27.78	27.95	46.00	-18.05	HORIZONTAL	QP

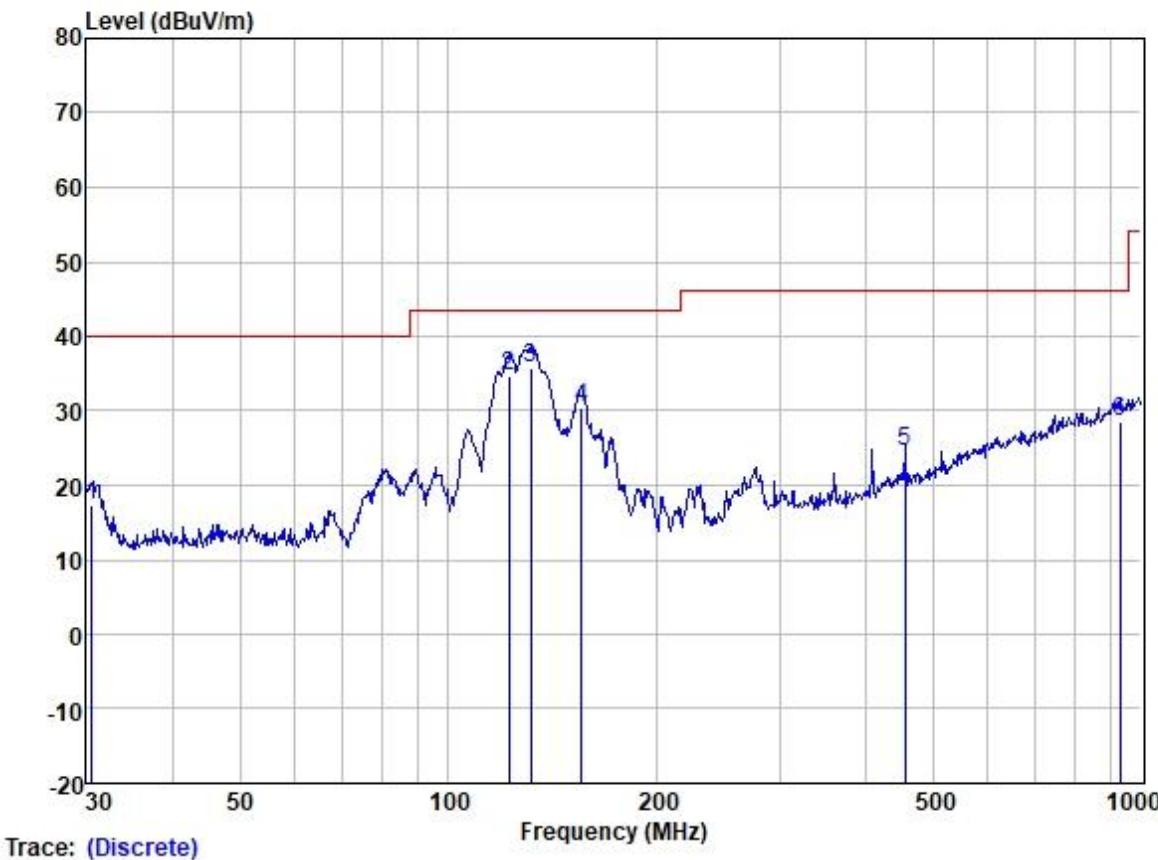
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Test Mode: 16; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : SGS
 Job :
 Model :
 Power :
 Test Mode : 16

Freq	Read	Antena	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	dB		
1 30.531	31.73	11.70	1.03	27.20	17.26	40.00	-22.74	VERTICAL	QP
2 121.976	48.74	11.11	1.89	27.02	34.72	43.50	-8.78	VERTICAL	QP
3 131.297	48.64	12.02	1.97	26.99	35.64	43.50	-7.86	VERTICAL	QP
4 155.364	41.57	13.34	2.30	26.81	30.40	43.50	-13.10	VERTICAL	QP
5 455.906	31.03	16.91	4.22	27.75	24.41	46.00	-21.59	VERTICAL	QP
6 932.272	25.92	23.43	7.06	27.79	28.62	46.00	-17.38	VERTICAL	QP

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7.4 Radiated Emissions (above 1GHz)

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

Test Method: KDB 789033 D02 II G

Measurement Distance: 3m

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.

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7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 21.3 °C Humidity: 54.1 % RH Atmospheric Pressure: 1020 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	15	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 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	16	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	17	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	18	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	19	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	20	Charge + TX mode (U-NII-2C)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each

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Pre-scan 21

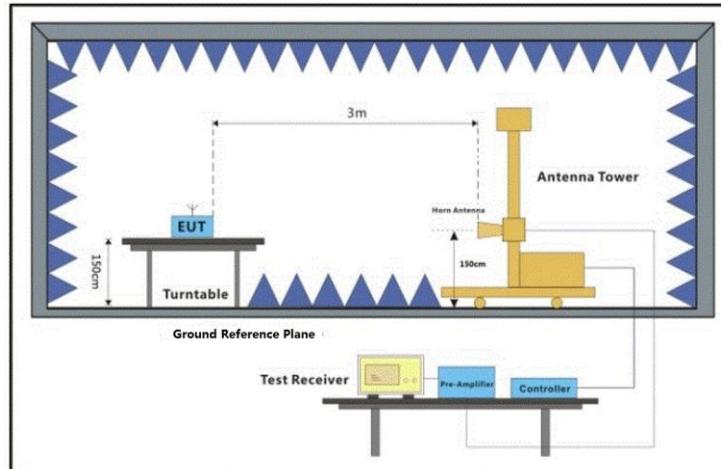
modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst 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 22

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.

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.

7.4.3 Test Setup Diagram



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7.4.4 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.

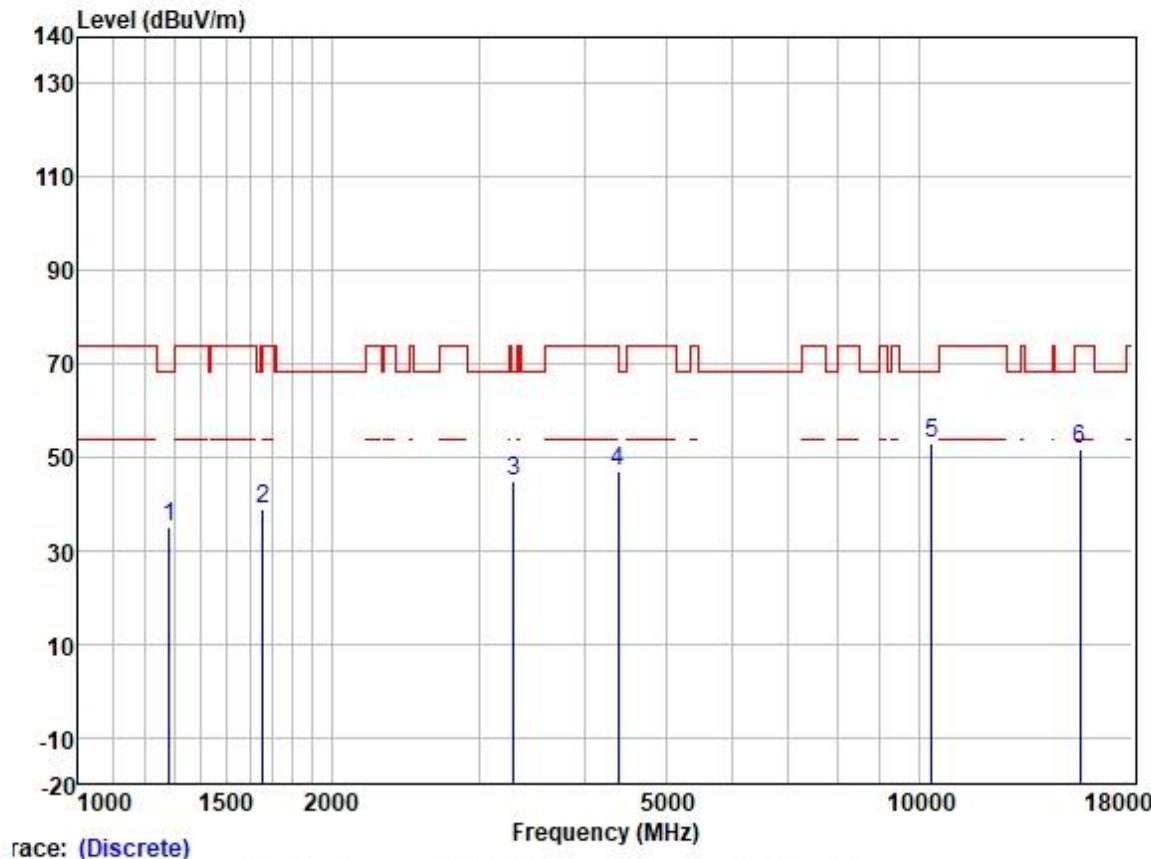
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Test Mode: 16; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Freq	ReadAntenna		Cable		Preamp		Limit	Over	Limit	Pol/Phase	Remark
	MHz	Level	Factor	Loss	Factor	Level					
	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB				
1 1282.193	45.86	25.15	2.52	38.33	35.20	68.20	-33.00	HORIZONTAL	Peak		
2 1658.337	48.16	25.65	2.80	37.93	38.68	68.20	-29.52	HORIZONTAL	Peak		
3 3299.344	49.23	28.75	4.06	37.03	45.01	68.20	-23.19	HORIZONTAL	Peak		
4 4392.376	48.38	30.66	4.70	36.81	46.93	74.00	-27.07	HORIZONTAL	Peak		
5 10360.000	43.72	39.28	7.29	37.37	52.92	68.20	-15.28	HORIZONTAL	Peak		
6 15540.000	38.25	39.05	9.88	35.39	51.79	74.00	-22.21	HORIZONTAL	Peak		

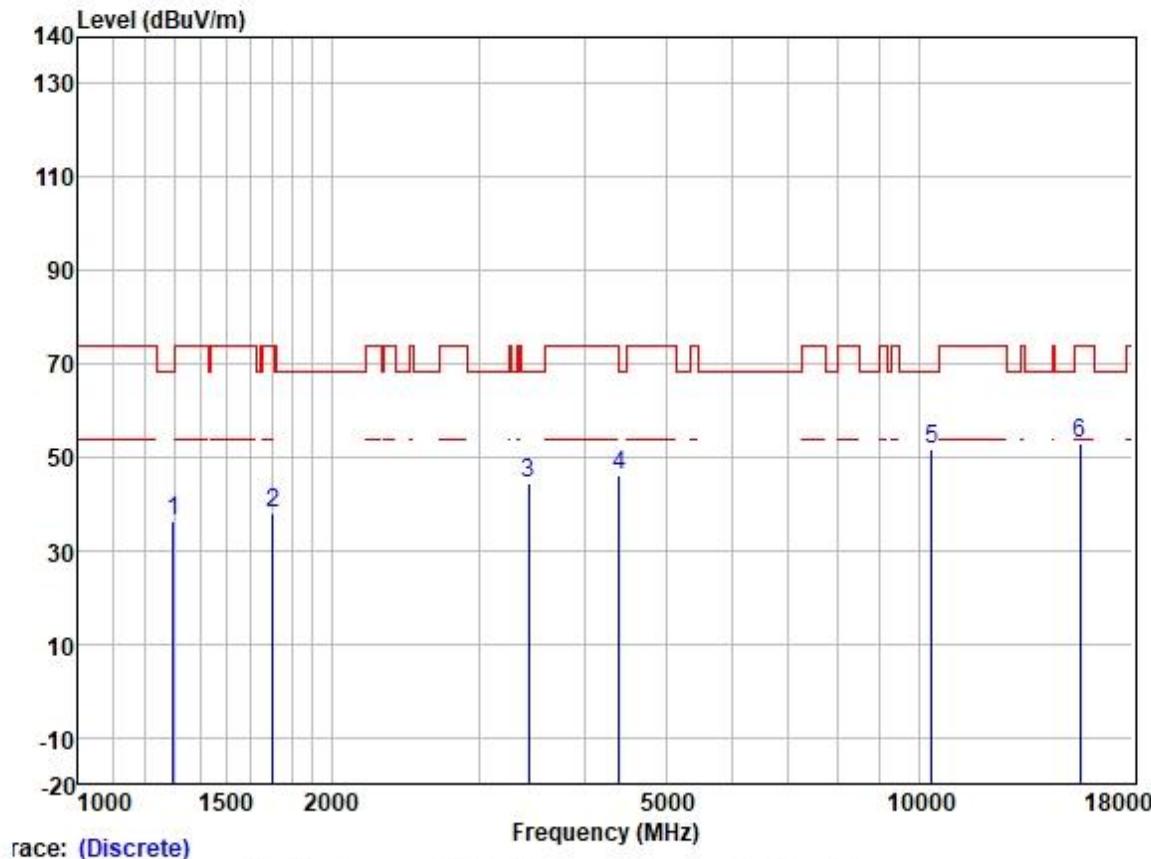
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Test Mode: 16; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Freq	ReadAntenna		Cable		Preamp		Limit	Over	Pol/Phase	Remark
	MHz	Level	Factor	Loss	Factor	Level				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1297.103	46.74	25.19	2.58	38.31	36.20	68.20	-32.00	VERTICAL	Peak
2	1702.042	47.44	25.72	2.80	37.89	38.07	74.00	-35.93	VERTICAL	Peak
3	3435.590	48.40	28.87	4.16	36.97	44.46	68.20	-23.74	VERTICAL	Peak
4	4405.090	47.67	30.68	4.70	36.81	46.24	68.20	-21.96	VERTICAL	Peak
5	10360.000	42.45	39.28	7.29	37.37	51.65	68.20	-16.55	VERTICAL	Peak
6	15540.000	39.39	39.05	9.88	35.39	52.93	74.00	-21.07	VERTICAL	Peak

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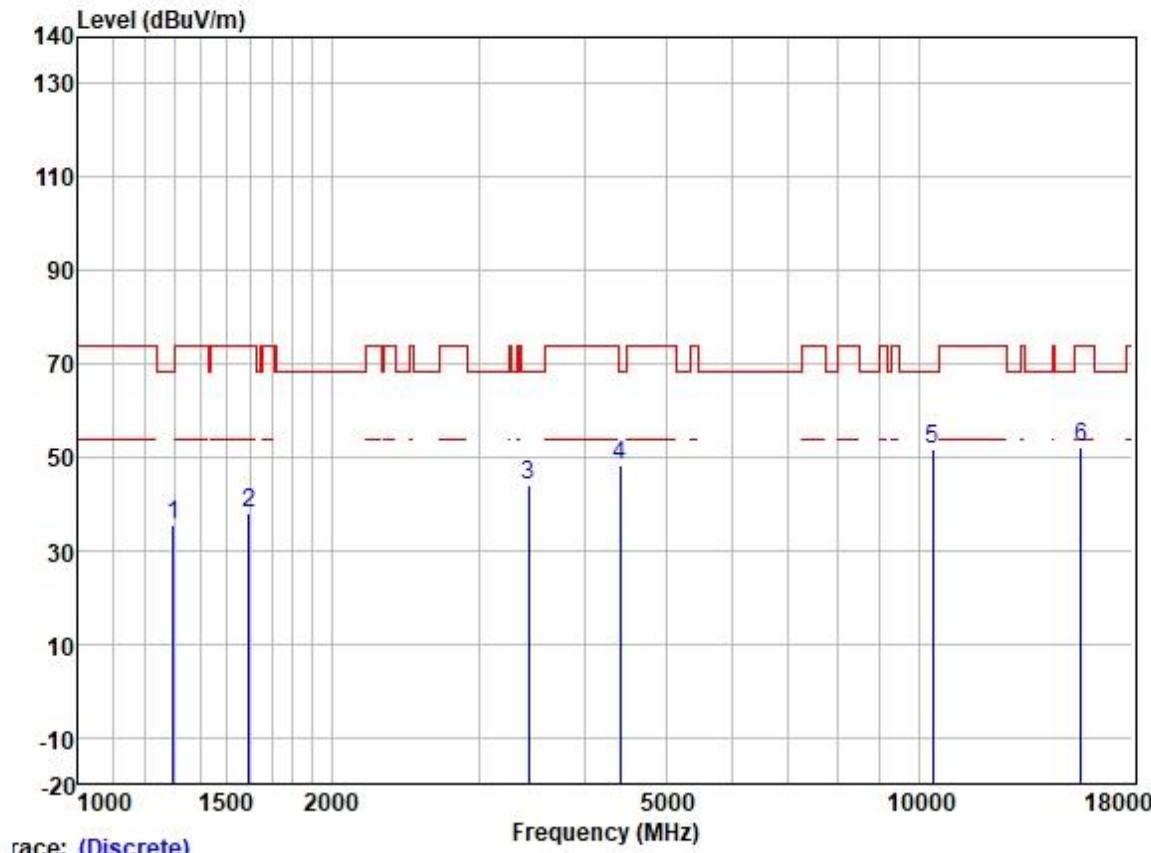
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Test Mode: 16; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Mode: (Discrete)

Freq	ReadAntenna		Cable		Preamp		Limit	Over	Limit	Pol/Phase	Remark
	MHz	Level	Factor	Loss	Factor	Level	dBuV/m	dBuV/m	dB		
1	1297.103	46.00	25.19	2.58	38.31	35.46	68.20	-32.74	HORIZONTAL	Peak	
2	1597.181	47.59	25.58	2.80	37.98	37.99	74.00	-36.01	HORIZONTAL	Peak	
3	3435.590	47.94	28.87	4.16	36.97	44.00	68.20	-24.20	HORIZONTAL	Peak	
4	4417.841	49.45	30.70	4.74	36.81	48.08	68.20	-20.12	HORIZONTAL	Peak	
5	10400.000	42.31	39.33	7.32	37.36	51.60	68.20	-16.60	HORIZONTAL	Peak	
6	15600.000	38.80	38.99	9.88	35.39	52.28	74.00	-21.72	HORIZONTAL	Peak	

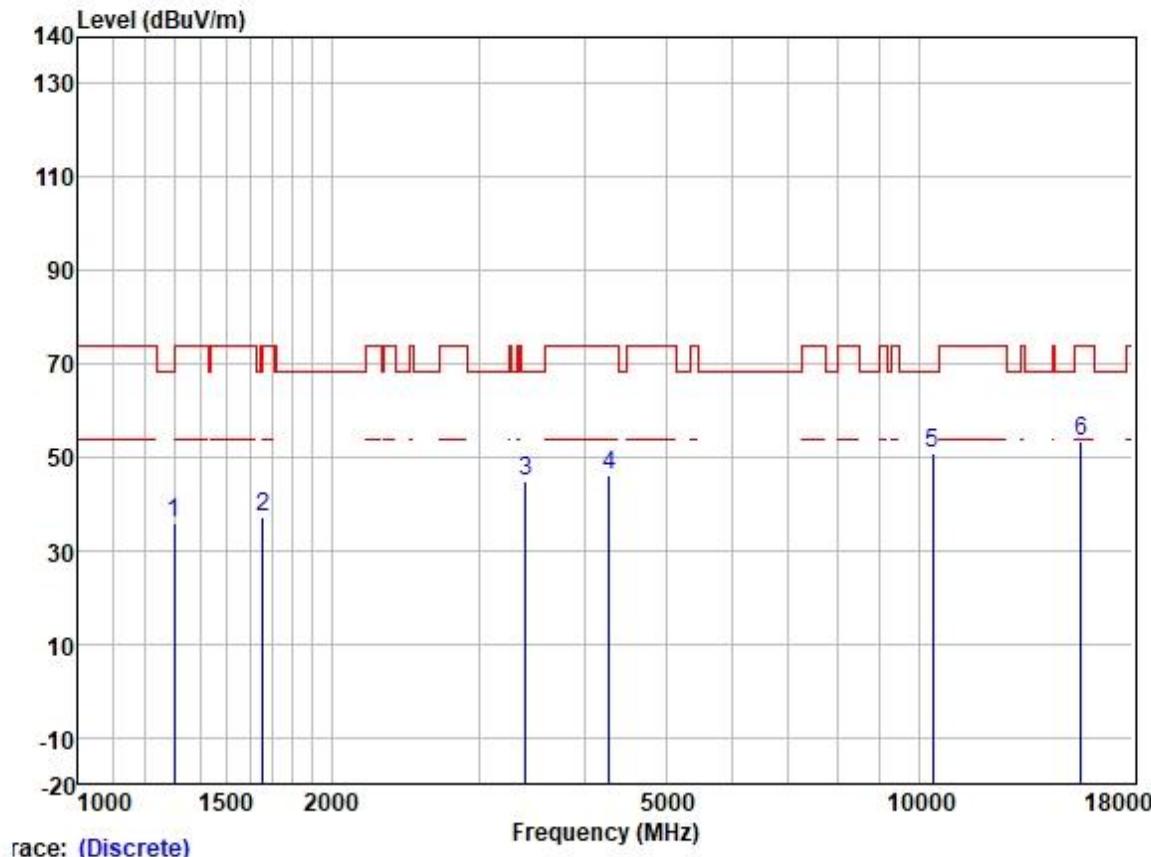
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Test Mode: 16; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Freq	ReadAntenna		Cable Preamp		Limit	Over	Line	Limit	Pol/Phase	Remark
	MHz	Level	Factor	Loss						
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1300.858	46.24	25.20	2.60	38.31	35.73	74.00	-38.27	VERTICAL	Peak
2	1658.337	46.70	25.65	2.80	37.93	37.22	68.20	-30.98	VERTICAL	Peak
3	3405.929	48.87	28.85	4.11	36.98	44.85	68.20	-23.35	VERTICAL	Peak
4	4279.589	48.04	30.42	4.63	36.81	46.28	74.00	-27.72	VERTICAL	Peak
5	10400.000	41.36	39.33	7.32	37.36	50.65	68.20	-17.55	VERTICAL	Peak
6	15600.000	39.85	38.99	9.88	35.39	53.33	74.00	-20.67	VERTICAL	Peak

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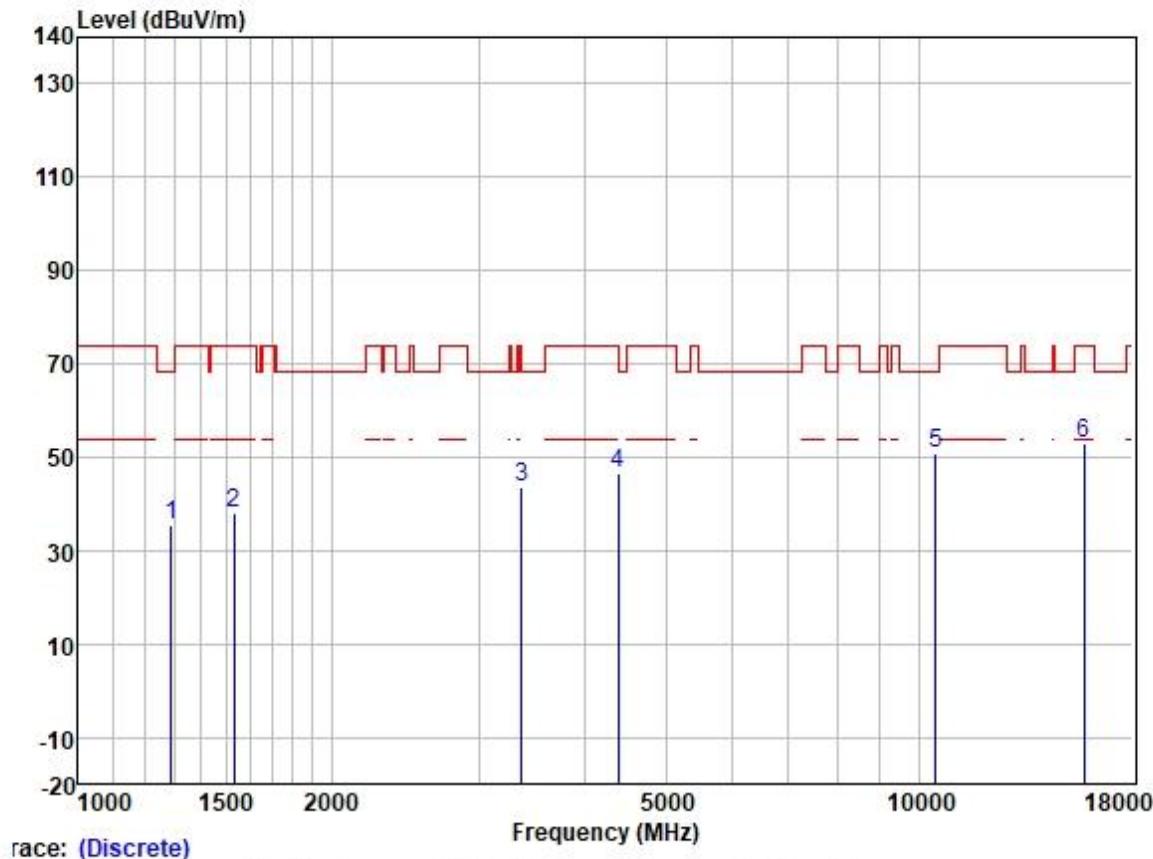


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Test Mode: 16; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Mode: (Discrete)

Freq	ReadAntenna		Cable Preamp		Limit	Over	Limit	Pol/Phase	Remark
	MHz	Level	Factor	Loss					
1	1289.627	46.14	25.17	2.55	38.31	35.55	68.20	-32.65	HORIZONTAL Peak
2	1533.841	47.67	25.52	2.80	38.07	37.92	74.00	-36.08	HORIZONTAL Peak
3	3366.778	47.50	28.82	4.09	36.99	43.42	68.20	-24.78	HORIZONTAL Peak
4	4392.376	48.19	30.66	4.70	36.81	46.74	74.00	-27.26	HORIZONTAL Peak
5	10480.000	41.17	39.46	7.40	37.36	50.67	68.20	-17.53	HORIZONTAL Peak
6	15720.000	39.83	38.78	9.87	35.39	53.09	74.00	-20.91	HORIZONTAL Peak

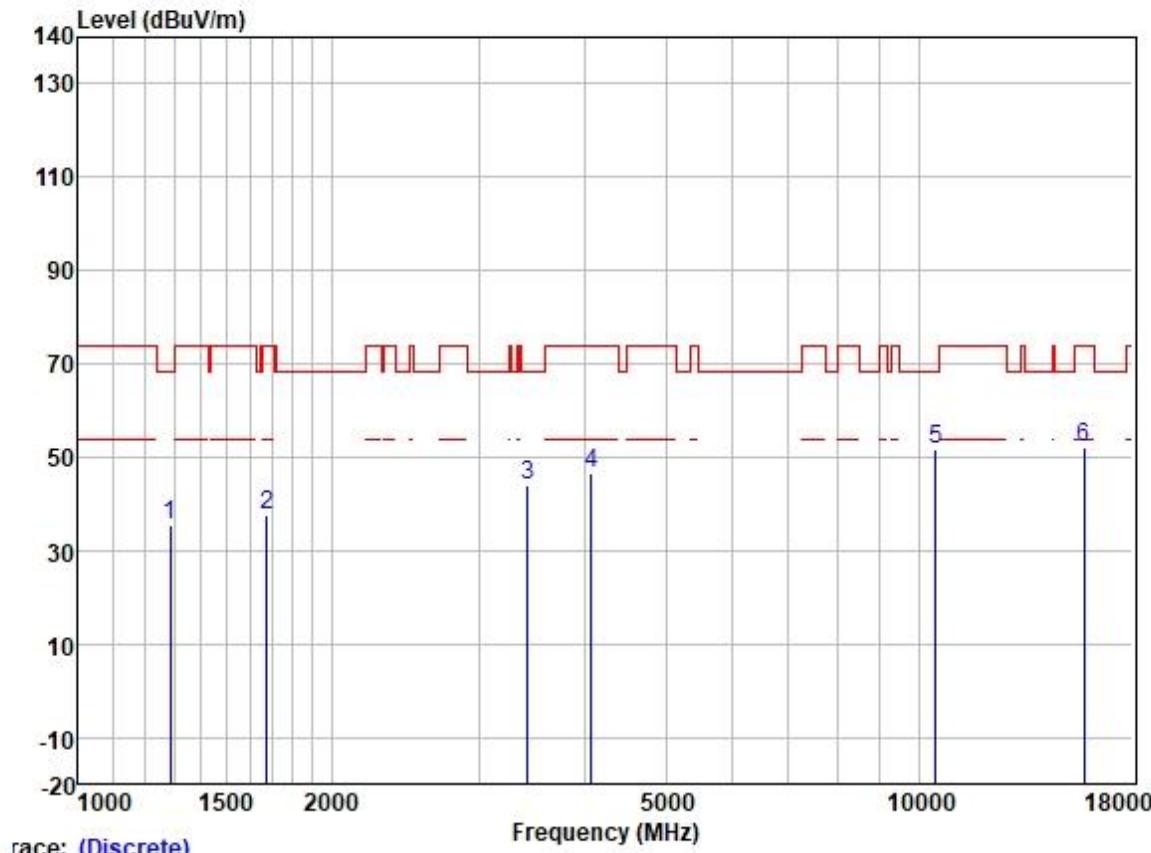
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Test Mode: 16; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Mode: (Discrete)

Freq	ReadAntenna		Cable		Preamp		Limit	Over	Limit	Pol/Phase	Remark
	MHz	Level	Factor	Loss	Factor	Level					
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1	1285.904	45.99	25.16	2.53	38.33	35.35	68.20	-32.85	VERTICAL	Peak	
2	1677.621	47.16	25.68	2.80	37.91	37.73	74.00	-36.27	VERTICAL	Peak	
3	3425.675	47.90	28.86	4.15	36.97	43.94	68.20	-24.26	VERTICAL	Peak	
4	4074.388	48.70	29.90	4.60	36.80	46.40	74.00	-27.60	VERTICAL	Peak	
5	10480.000	42.29	39.46	7.40	37.36	51.79	68.20	-16.41	VERTICAL	Peak	
6	15720.000	38.97	38.78	9.87	35.39	52.23	74.00	-21.77	VERTICAL	Peak	

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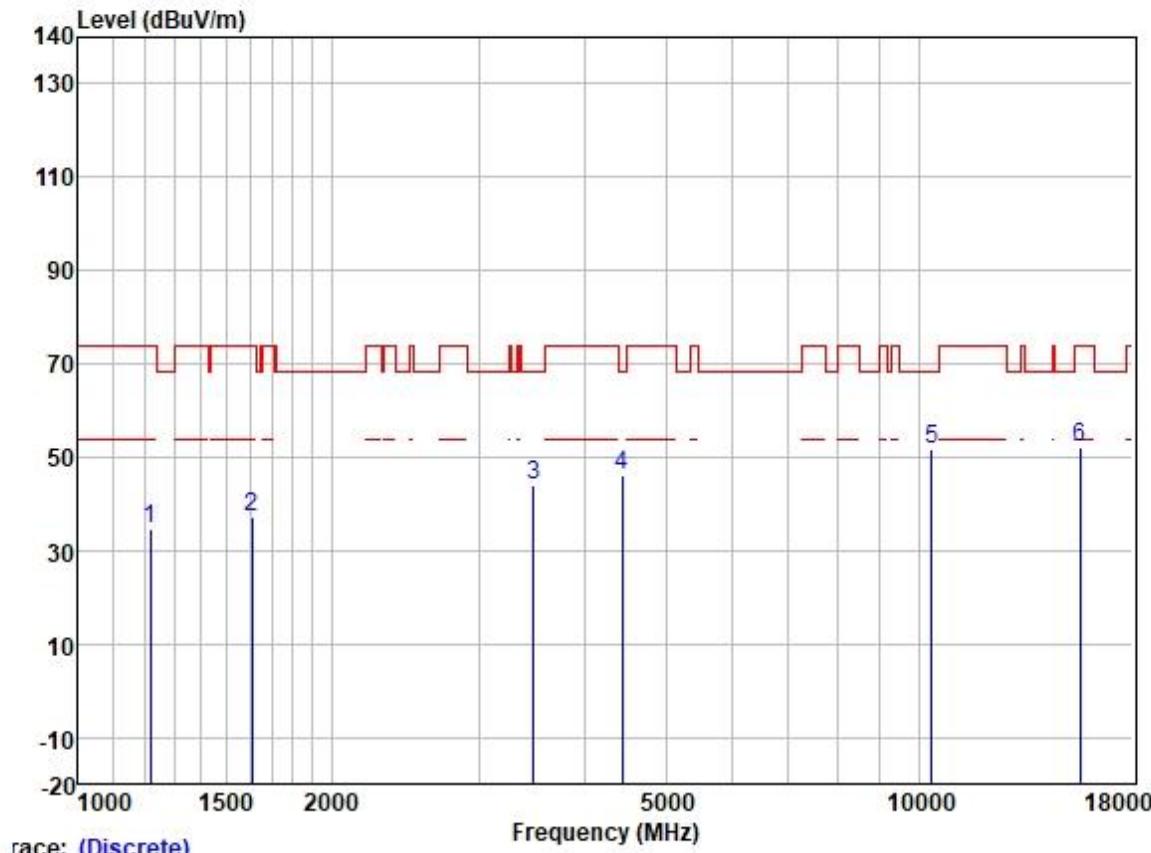


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Test Mode: 16; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Mode: (Discrete)

Freq	ReadAntenna		Cable Preamp		Limit	Over	Limit	Pol/Phase	Remark
	MHz	Level	Factor	Loss					
1	1217.190	45.76	24.79	2.32	38.37	34.50	74.00	-39.50	HORIZONTAL Peak
2	1611.091	46.95	25.59	2.80	37.98	37.36	74.00	-36.64	HORIZONTAL Peak
3	3485.601	47.62	28.89	4.27	36.95	43.83	68.20	-24.37	HORIZONTAL Peak
4	4443.453	47.51	30.73	4.83	36.81	46.26	68.20	-21.94	HORIZONTAL Peak
5	10360.000	42.29	39.28	7.29	37.37	51.49	68.20	-16.71	HORIZONTAL Peak
6	15540.000	38.58	39.05	9.88	35.39	52.12	74.00	-21.88	HORIZONTAL Peak

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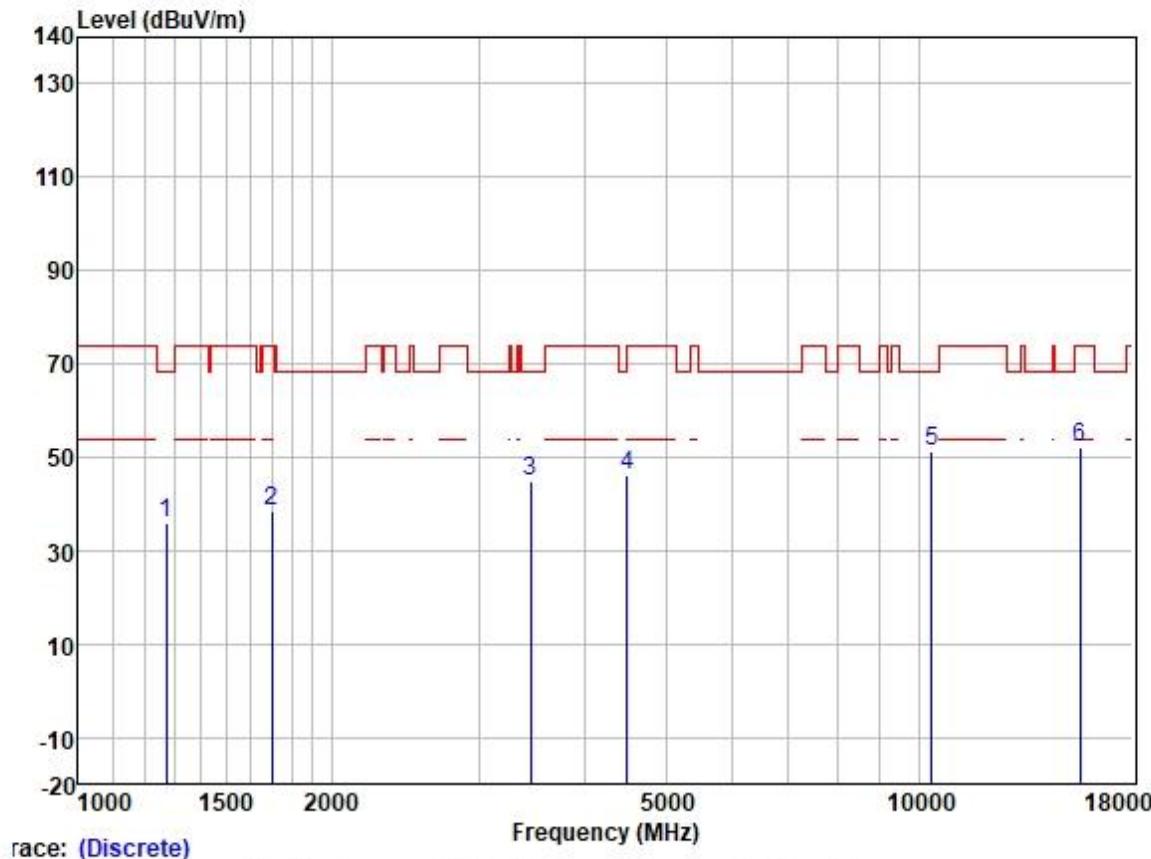
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Test Mode: 16; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Freq	ReadAntenna		Cable Preamp		Limit	Over	Limit	Pol/Phase	Remark
	MHz	Level	Factor	Loss					
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1271.123	46.54	25.11	2.46	38.33	35.78	68.20	-32.42	VERTICAL Peak
2	1697.129	47.86	25.71	2.80	37.89	38.48	74.00	-35.52	VERTICAL Peak
3	3455.508	48.81	28.88	4.20	36.96	44.93	68.20	-23.27	VERTICAL Peak
4	4495.125	47.19	30.80	5.05	36.82	46.22	68.20	-21.98	VERTICAL Peak
5	10360.000	42.21	39.28	7.29	37.37	51.41	68.20	-16.79	VERTICAL Peak
6	15540.000	38.62	39.05	9.88	35.39	52.16	74.00	-21.84	VERTICAL Peak

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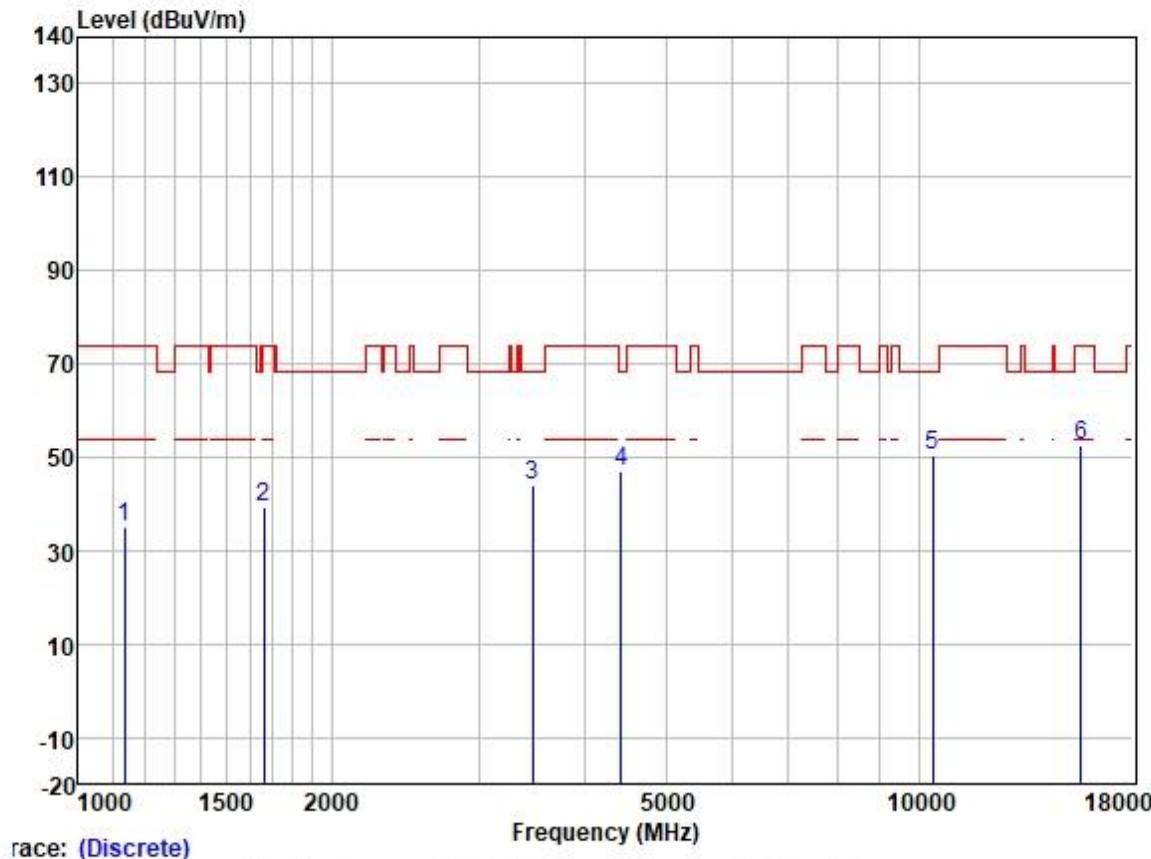


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Test Mode: 16; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Trace: (Discrete)

Freq	ReadAntenna		Cable Preamp		Limit	Over	Limit	Pol/Phase	Remark
	MHz	dBuV	Level	Factor					
1	1135.617	46.67	24.45	2.25	38.43	34.94	74.00	-39.06	HORIZONTAL Peak
2	1663.137	48.59	25.65	2.80	37.91	39.13	74.00	-34.87	HORIZONTAL Peak
3	3475.541	47.76	28.89	4.25	36.95	43.95	68.20	-24.25	HORIZONTAL Peak
4	4430.628	48.38	30.72	4.78	36.81	47.07	68.20	-21.13	HORIZONTAL Peak
5	10400.000	41.12	39.33	7.32	37.36	50.41	68.20	-17.79	HORIZONTAL Peak
6	15600.000	39.15	38.99	9.88	35.39	52.63	74.00	-21.37	HORIZONTAL Peak

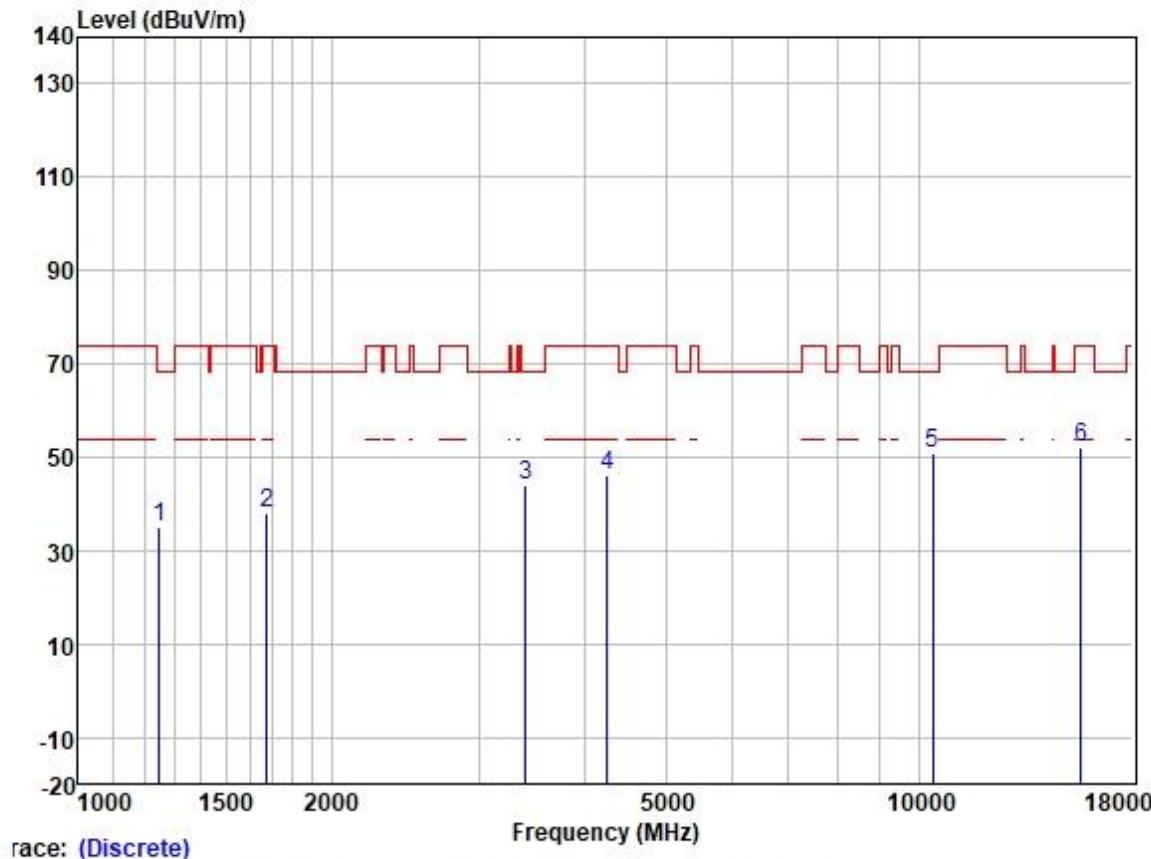
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Test Mode: 16; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Freq	ReadAntenna		Cable Preamp		Limit	Over	Pol/Phase	Remark
	MHz	Level	Factor	Loss				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	1249.269	46.08	25.02	2.34	38.35	35.09	68.20	-33.11 VERTICAL Peak
2	1677.621	47.32	25.68	2.80	37.91	37.89	74.00	-36.11 VERTICAL Peak
3	3405.929	47.86	28.85	4.11	36.98	43.84	68.20	-24.36 VERTICAL Peak
4	4254.921	48.05	30.34	4.62	36.81	46.20	74.00	-27.80 VERTICAL Peak
5	10400.000	41.61	39.33	7.32	37.36	50.90	68.20	-17.30 VERTICAL Peak
6	15600.000	38.74	38.99	9.88	35.39	52.22	74.00	-21.78 VERTICAL Peak

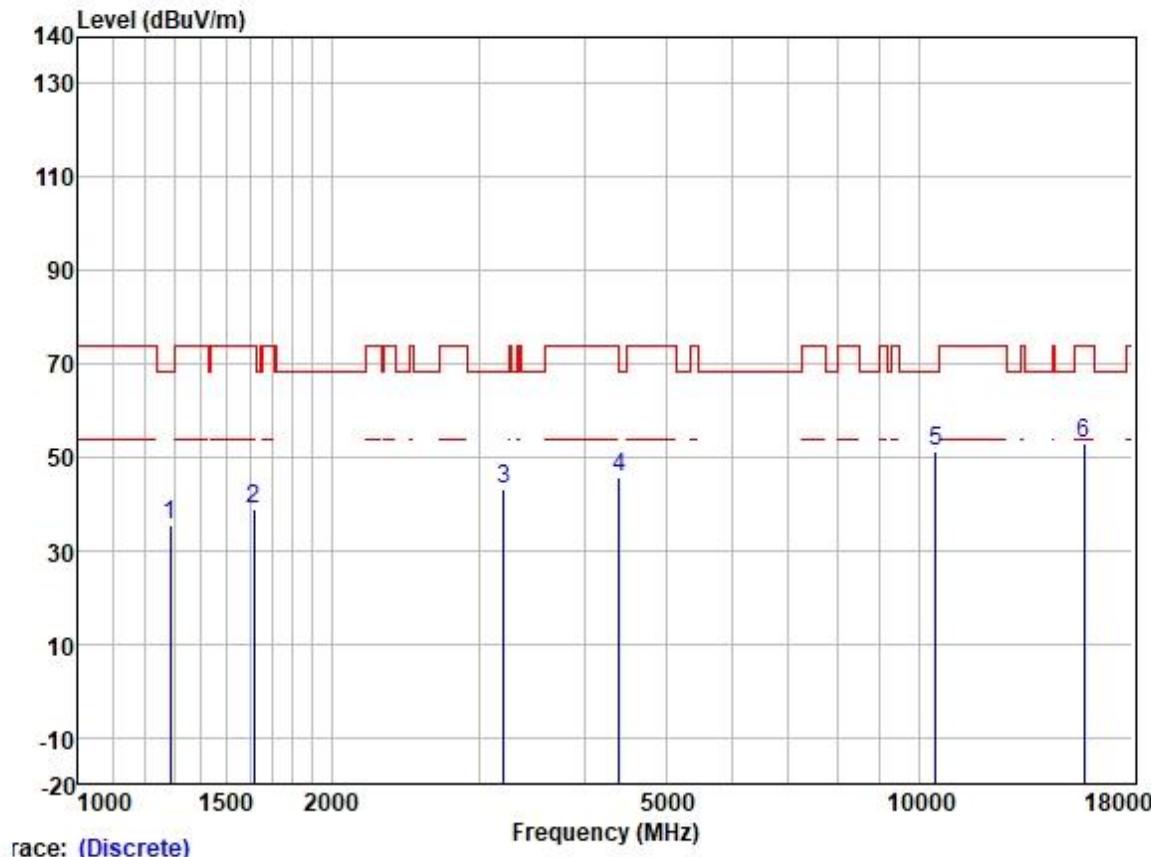
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Guangzhou Branch Testing Center for EEC Laboratory

Test Mode: 16; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Index	Frequency (MHz)	ReadAntenna		Cable		Preamp Loss	Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
		Freq	Level	Factor	Loss							
	MHz	dBuV	dB/m	dB	dBuV/m	dBuV/m						
1	1285.904	46.12	25.16	2.53	38.33	35.48	68.20	-32.72	HORIZONTAL	Peak		
2	1615.754	48.22	25.60	2.80	37.95	38.67	74.00	-35.33	HORIZONTAL	Peak		
3	3205.345	47.79	28.60	4.00	37.09	43.30	68.20	-24.90	HORIZONTAL	Peak		
4	4405.090	47.20	30.68	4.70	36.81	45.77	68.20	-22.43	HORIZONTAL	Peak		
5	10480.000	41.78	39.46	7.40	37.36	51.28	68.20	-16.92	HORIZONTAL	Peak		
6	15720.000	39.59	38.78	9.87	35.39	52.85	74.00	-21.15	HORIZONTAL	Peak		

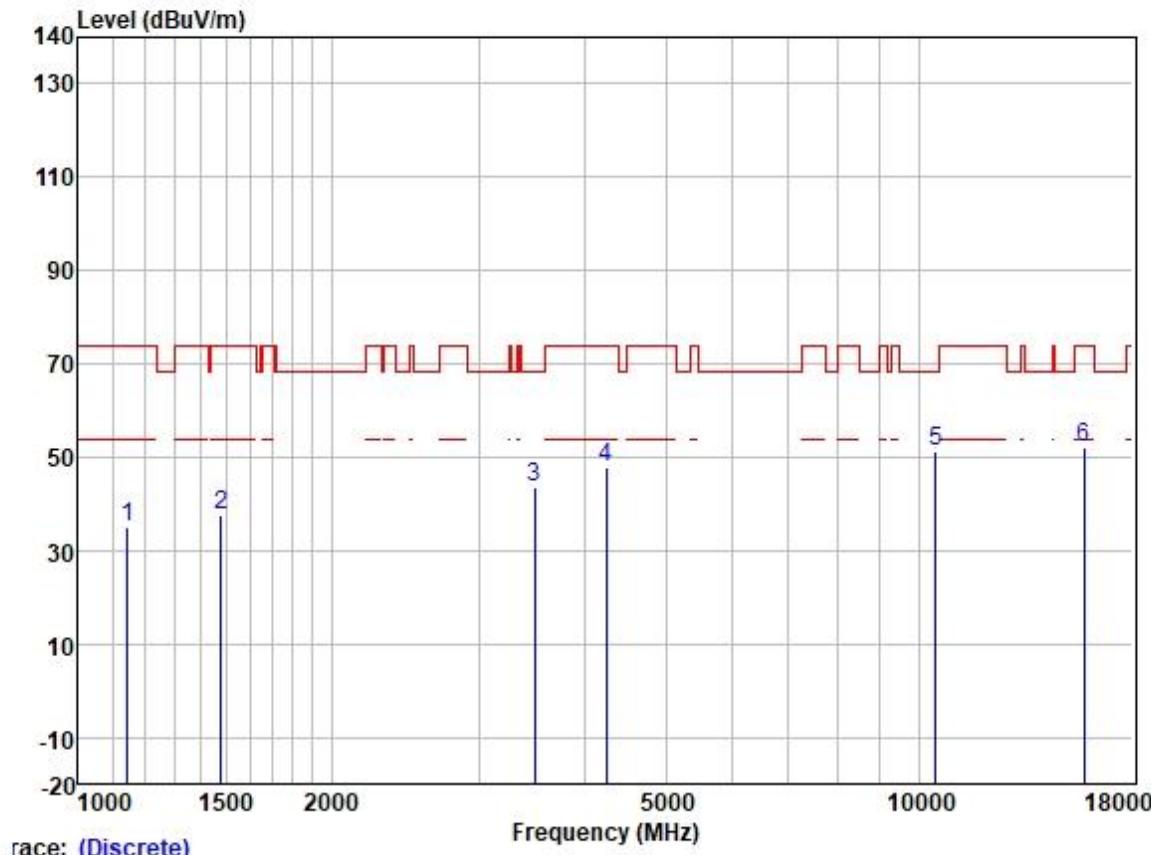
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Test Mode: 16; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Mode: (Discrete)

Freq	ReadAntenna		Cable Preamp		Limit	Over	Line	Limit	Pol/Phase	Remark
	MHz	Level	Factor	Loss						
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1145.507	46.65	24.48	2.32	38.42	35.03	74.00	-38.97	VERTICAL	Peak
2	1477.276	47.45	25.48	2.77	38.13	37.57	74.00	-36.43	VERTICAL	Peak
3	3495.691	47.35	28.90	4.30	36.94	43.61	68.20	-24.59	VERTICAL	Peak
4	4242.641	49.68	30.30	4.62	36.81	47.79	74.00	-26.21	VERTICAL	Peak
5	10480.000	41.63	39.46	7.40	37.36	51.13	68.20	-17.07	VERTICAL	Peak
6	15720.000	38.90	38.78	9.87	35.39	52.16	74.00	-21.84	VERTICAL	Peak

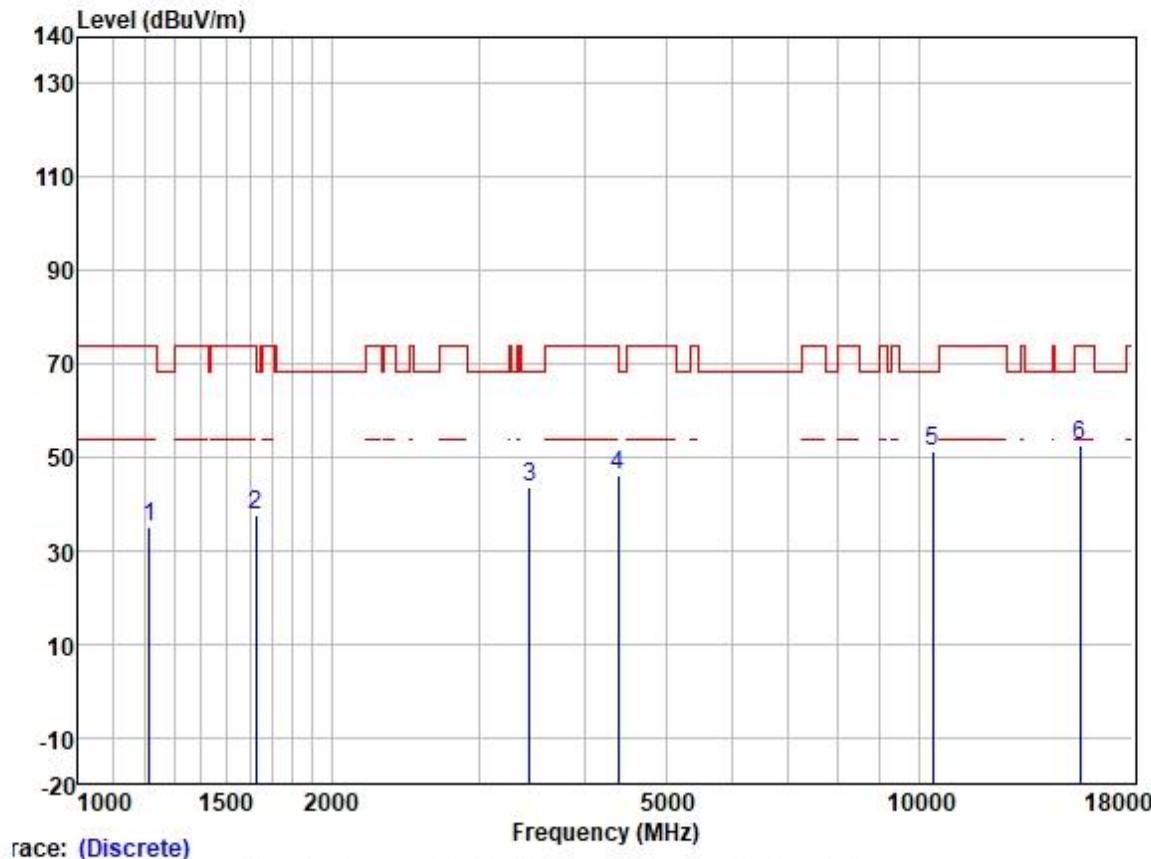
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Test Mode: 16; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Trace: (Discrete)	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	1213.677	46.20	24.77	2.32	38.37	34.92	74.00	-39.08	HORIZONTAL	Peak	
2	1625.121	47.12	25.61	2.80	37.95	37.58	74.00	-36.42	HORIZONTAL	Peak	
3	3445.535	47.47	28.87	4.18	36.96	43.56	68.20	-24.64	HORIZONTAL	Peak	
4	4392.376	47.75	30.66	4.70	36.81	46.30	74.00	-27.70	HORIZONTAL	Peak	
5	10380.000	41.90	39.33	7.32	37.37	51.18	68.20	-17.02	HORIZONTAL	Peak	
6	15570.000	38.85	38.99	9.88	35.39	52.33	74.00	-21.67	HORIZONTAL	Peak	

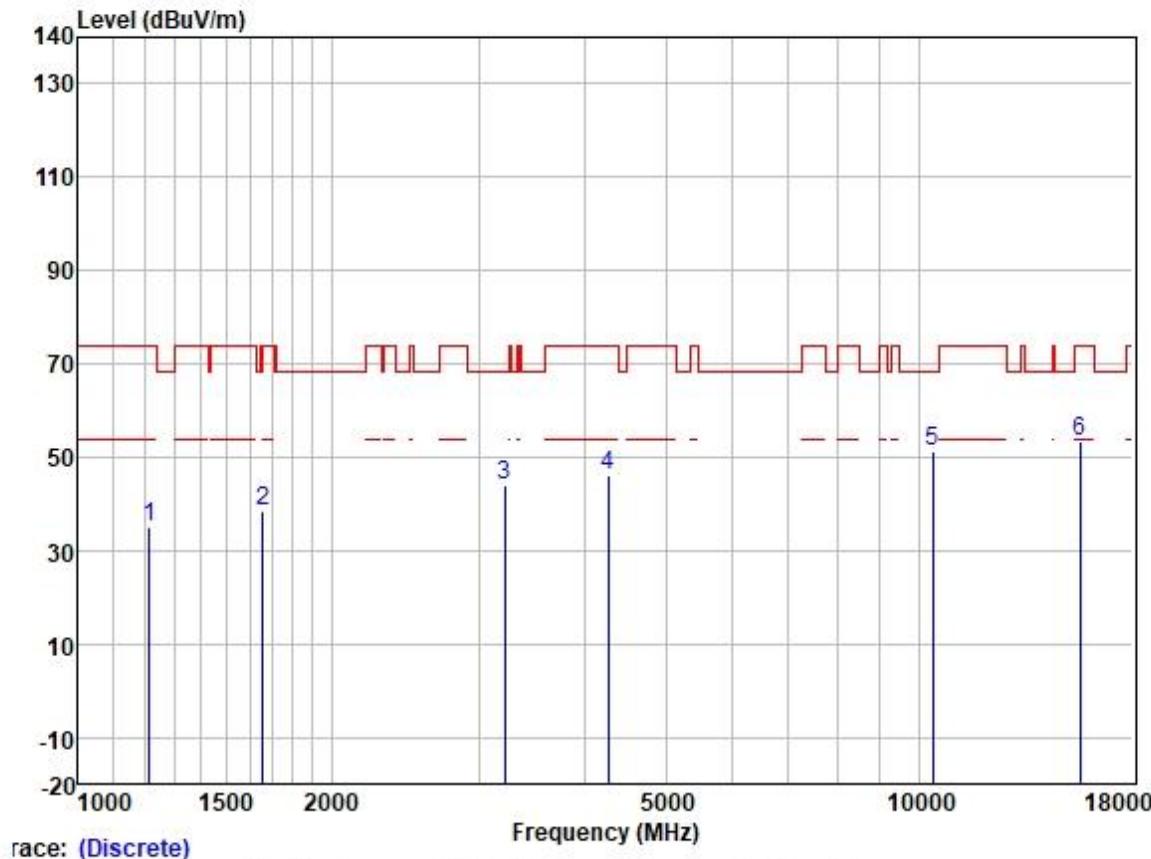
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Test Mode: 16; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Trace: (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	1213.677	46.17	24.77	2.32	38.37	34.89	74.00	-39.11	VERTICAL Peak
2	1658.337	47.88	25.65	2.80	37.93	38.40	68.20	-29.80	VERTICAL Peak
3	3214.623	48.33	28.61	4.01	37.07	43.88	68.20	-24.32	VERTICAL Peak
4	4267.237	47.88	30.38	4.63	36.81	46.08	74.00	-27.92	VERTICAL Peak
5	10380.000	42.11	39.33	7.32	37.37	51.39	68.20	-16.81	VERTICAL Peak
6	15570.000	39.99	38.99	9.88	35.39	53.47	74.00	-20.53	VERTICAL Peak

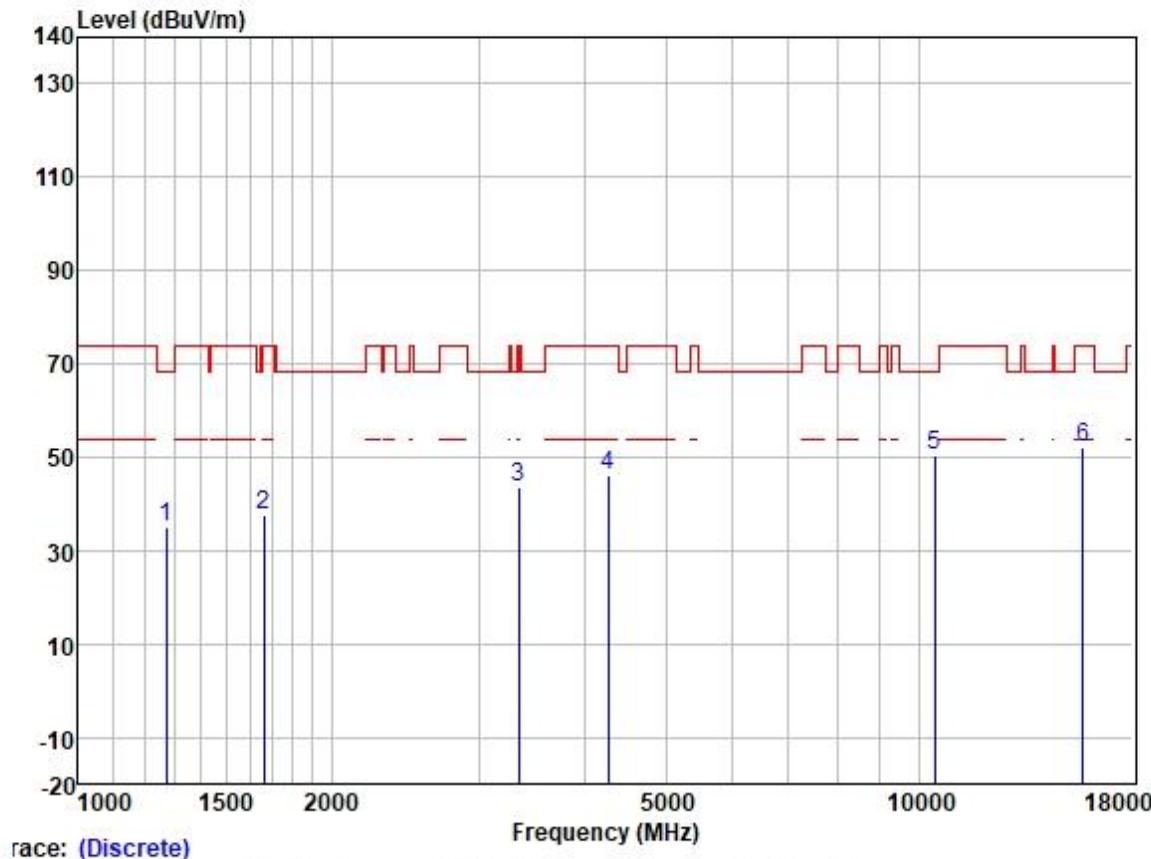
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Test Mode: 16; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Freq	ReadAntenna		Cable Preamp		Limit	Over	Limit	Pol/Phase	Remark
	MHz	Level	Factor	Loss					
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1271.123	45.85	25.11	2.46	38.33	35.09	68.20	-33.11	HORIZONTAL Peak
2	1663.137	47.05	25.65	2.80	37.91	37.59	74.00	-36.41	HORIZONTAL Peak
3	3337.710	47.60	28.79	4.08	37.01	43.46	74.00	-30.54	HORIZONTAL Peak
4	4267.237	48.03	30.38	4.63	36.81	46.23	74.00	-27.77	HORIZONTAL Peak
5	10460.000	41.04	39.42	7.37	37.36	50.47	68.20	-17.73	HORIZONTAL Peak
6	15690.000	38.78	38.86	9.87	35.39	52.12	74.00	-21.88	HORIZONTAL Peak

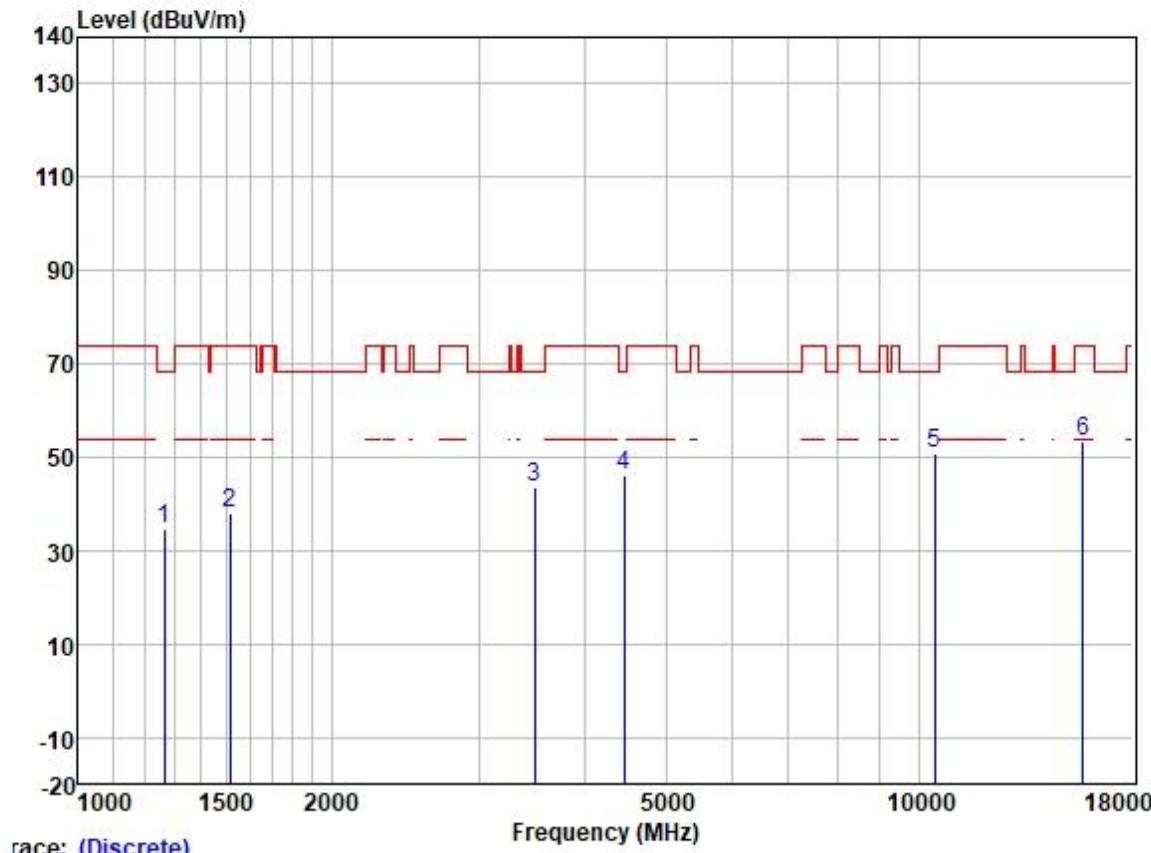
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Test Mode: 16; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Freq	ReadAntenna		Cable Preamp		Limit Line	Over Line	Pol/Phase	Remark
	MHz	Level	Factor	Loss				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	1267.454	45.45	25.10	2.44	38.33	34.66	68.20	-33.54 VERTICAL Peak
2	1516.210	47.73	25.51	2.80	38.07	37.97	74.00	-36.03 VERTICAL Peak
3	3495.691	47.20	28.90	4.30	36.94	43.46	68.20	-24.74 VERTICAL Peak
4	4456.315	47.27	30.75	4.88	36.81	46.09	68.20	-22.11 VERTICAL Peak
5	10460.000	41.39	39.42	7.37	37.36	50.82	68.20	-17.38 VERTICAL Peak
6	15690.000	40.21	38.86	9.87	35.39	53.55	74.00	-20.45 VERTICAL Peak

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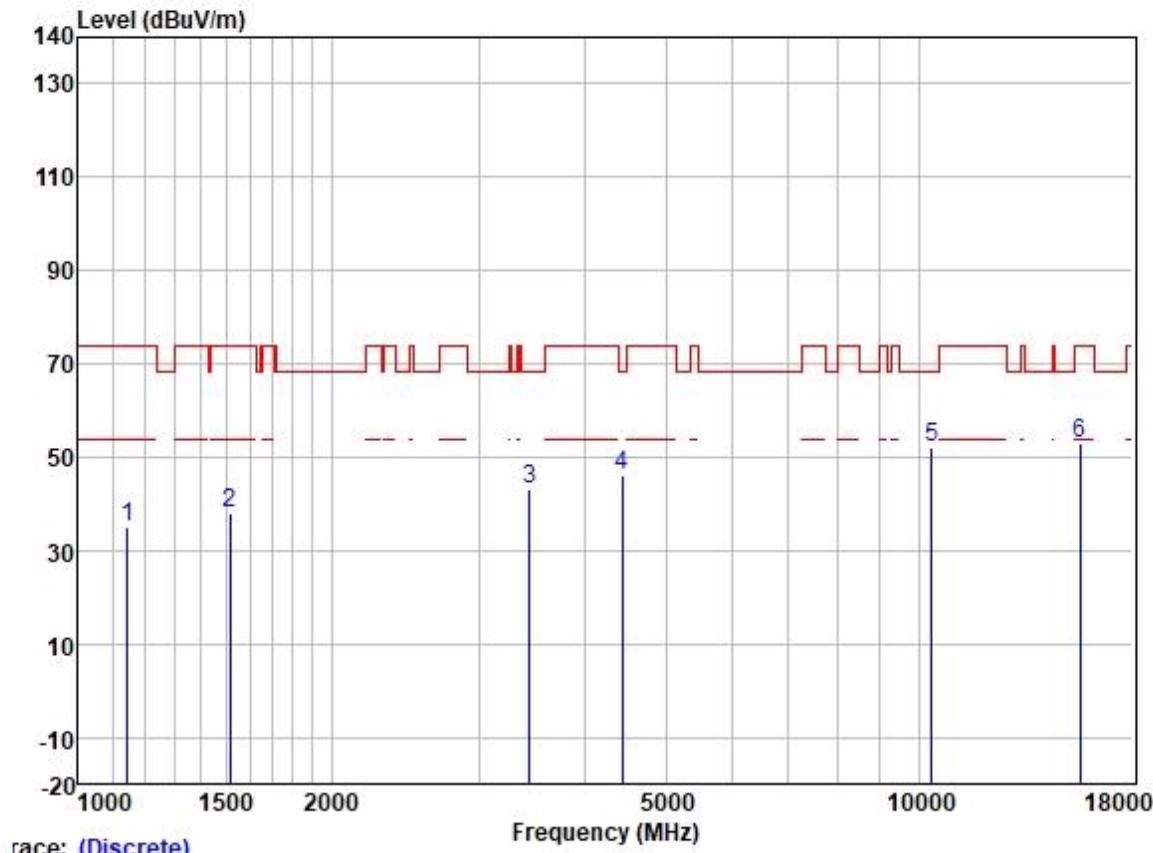
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Test Mode: 16; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Mode: (Discrete)

Freq	ReadAntenna		Cable Preamp		Limit	Over	Limit	Pol/Phase	Remark
	MHz	Level	Factor	Loss					
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1145.507	46.56	24.48	2.32	38.42	34.94	74.00	-39.06	HORIZONTAL Peak
2	1516.210	47.68	25.51	2.80	38.07	37.92	74.00	-36.08	HORIZONTAL Peak
3	3445.535	47.26	28.87	4.18	36.96	43.35	68.20	-24.85	HORIZONTAL Peak
4	4443.453	47.42	30.73	4.83	36.81	46.17	68.20	-22.03	HORIZONTAL Peak
5	10360.000	42.98	39.28	7.29	37.37	52.18	68.20	-16.02	HORIZONTAL Peak
6	15540.000	39.62	39.05	9.88	35.39	53.16	74.00	-20.84	HORIZONTAL Peak

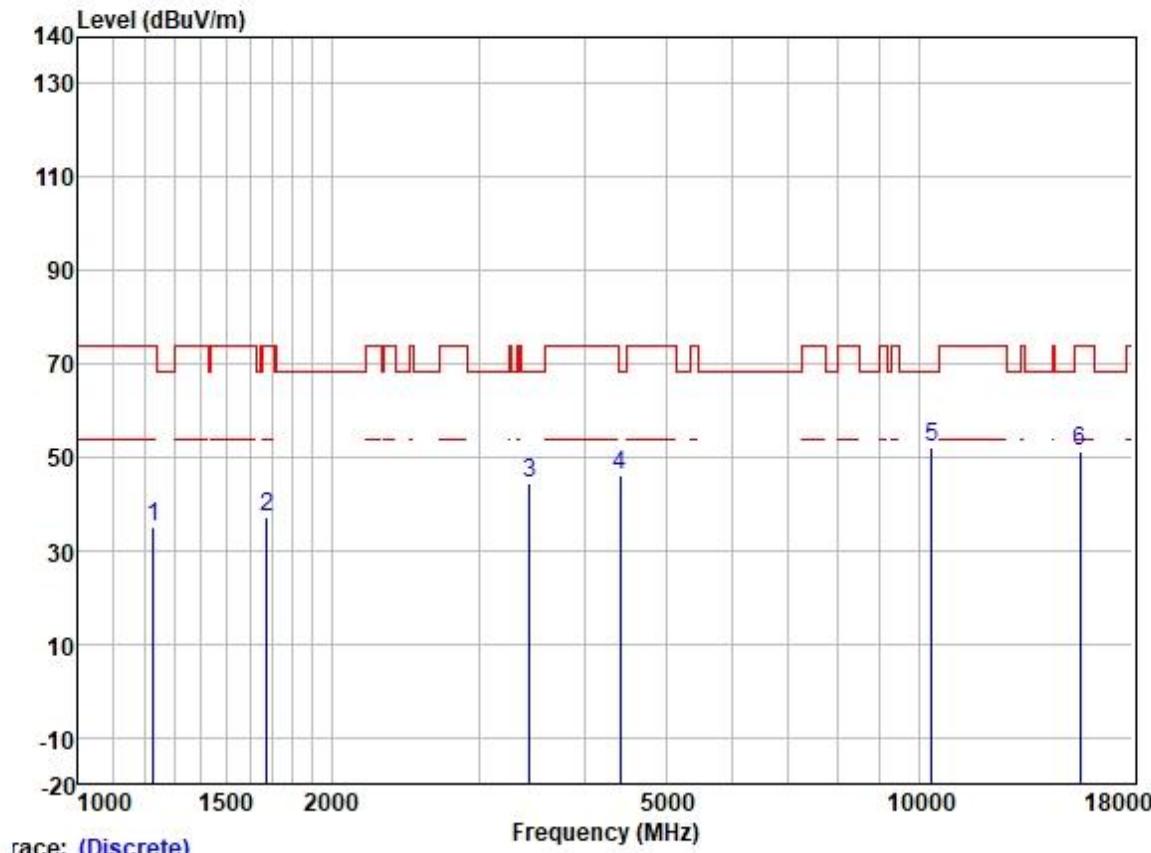
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Test Mode: 16; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Freq	ReadAntenna		Cable Preamp		Limit	Over	Limit Pol/Phase	Remark
	MHz	Level	Factor	Loss				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	1227.791	46.21	24.88	2.31	38.37	35.03	74.00	-38.97 VERTICAL Peak
2	1677.621	46.66	25.68	2.80	37.91	37.23	74.00	-36.77 VERTICAL Peak
3	3445.535	48.46	28.87	4.18	36.96	44.55	68.20	-23.65 VERTICAL Peak
4	4417.841	47.65	30.70	4.74	36.81	46.28	68.20	-21.92 VERTICAL Peak
5	10360.000	42.99	39.28	7.29	37.37	52.19	68.20	-16.01 VERTICAL Peak
6	15540.000	37.92	39.05	9.88	35.39	51.46	74.00	-22.54 VERTICAL Peak

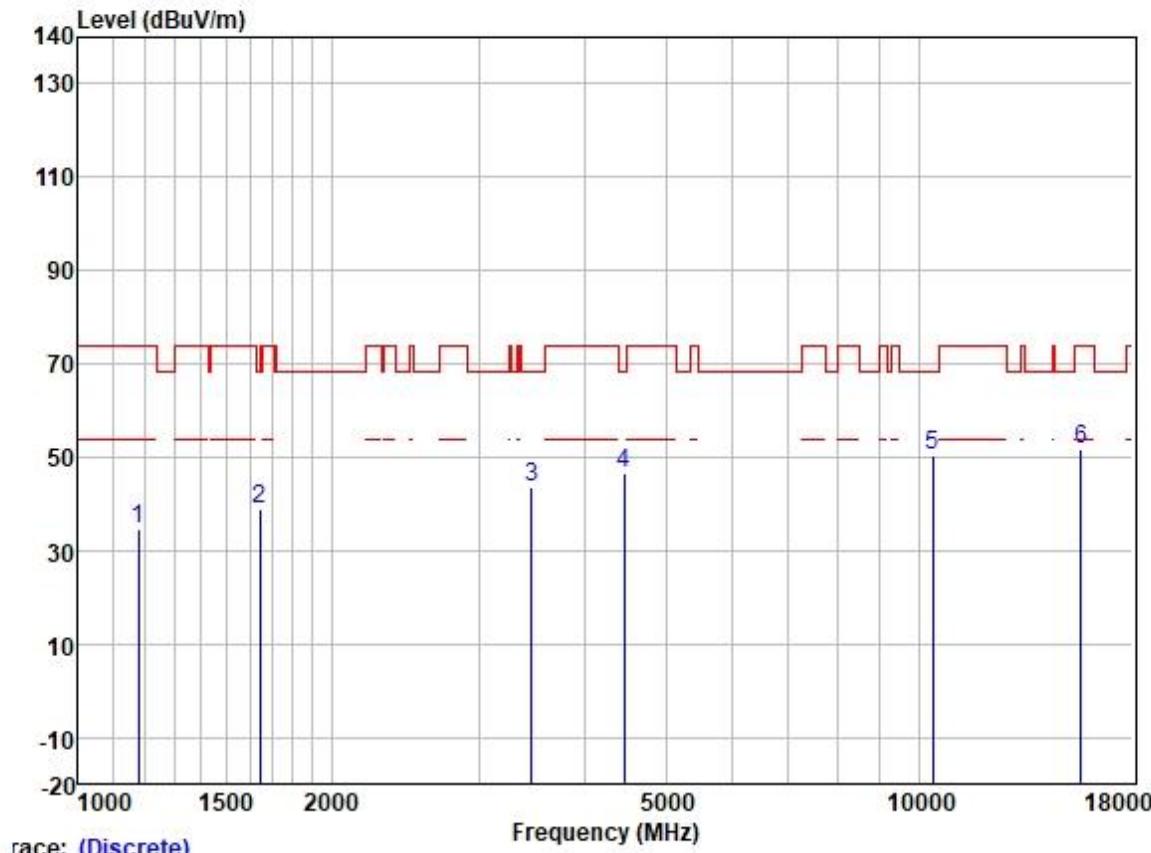
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Test Mode: 16; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle



Mode: (Discrete)

Freq	ReadAntenna		Cable Preamp		Limit	Over	Limit	Pol/Phase	Remark
	MHz	Level	Factor	Loss					
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1179.100	46.17	24.59	2.38	38.40	34.74	74.00	-39.26	HORIZONTAL Peak
2	1644.019	48.27	25.63	2.80	37.93	38.77	68.20	-29.43	HORIZONTAL Peak
3	3465.510	47.40	28.88	4.22	36.95	43.55	68.20	-24.65	HORIZONTAL Peak
4	4456.315	47.94	30.75	4.88	36.81	46.76	68.20	-21.44	HORIZONTAL Peak
5	10400.000	41.28	39.33	7.32	37.36	50.57	68.20	-17.63	HORIZONTAL Peak
6	15600.000	38.28	38.99	9.88	35.39	51.76	74.00	-22.24	HORIZONTAL Peak

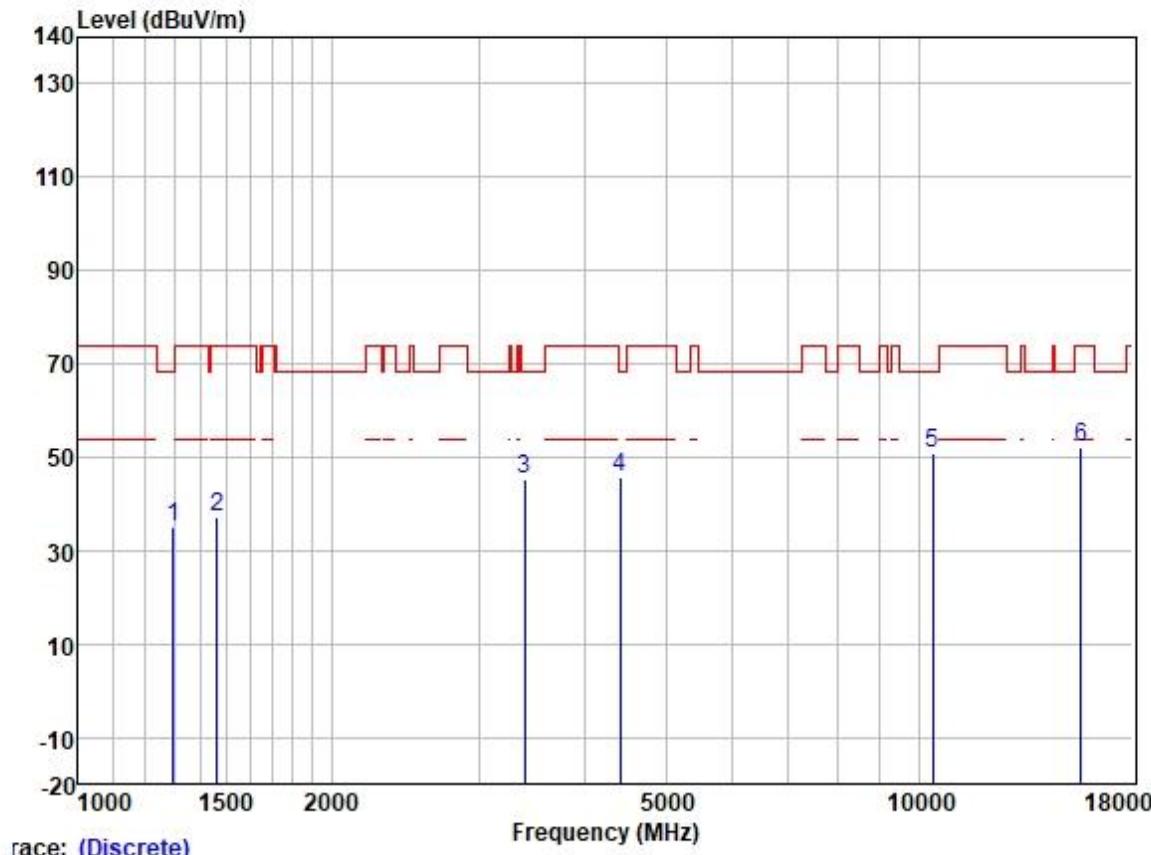
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Test Mode: 16; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle



Freq	ReadAntenna		Cable Preamp		Limit	Over	Limit	Pol/Phase	Remark
	MHz	Level	Factor	Loss					
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1297.103	45.39	25.19	2.58	38.31	34.85	68.20	-33.35	VERTICAL Peak
2	1464.522	46.95	25.47	2.74	38.13	37.03	74.00	-36.97	VERTICAL Peak
3	3396.098	49.24	28.84	4.10	36.98	45.20	68.20	-23.00	VERTICAL Peak
4	4417.841	47.14	30.70	4.74	36.81	45.77	68.20	-22.43	VERTICAL Peak
5	10400.000	41.64	39.33	7.32	37.36	50.93	68.20	-17.27	VERTICAL Peak
6	15600.000	38.75	38.99	9.88	35.39	52.23	74.00	-21.77	VERTICAL Peak

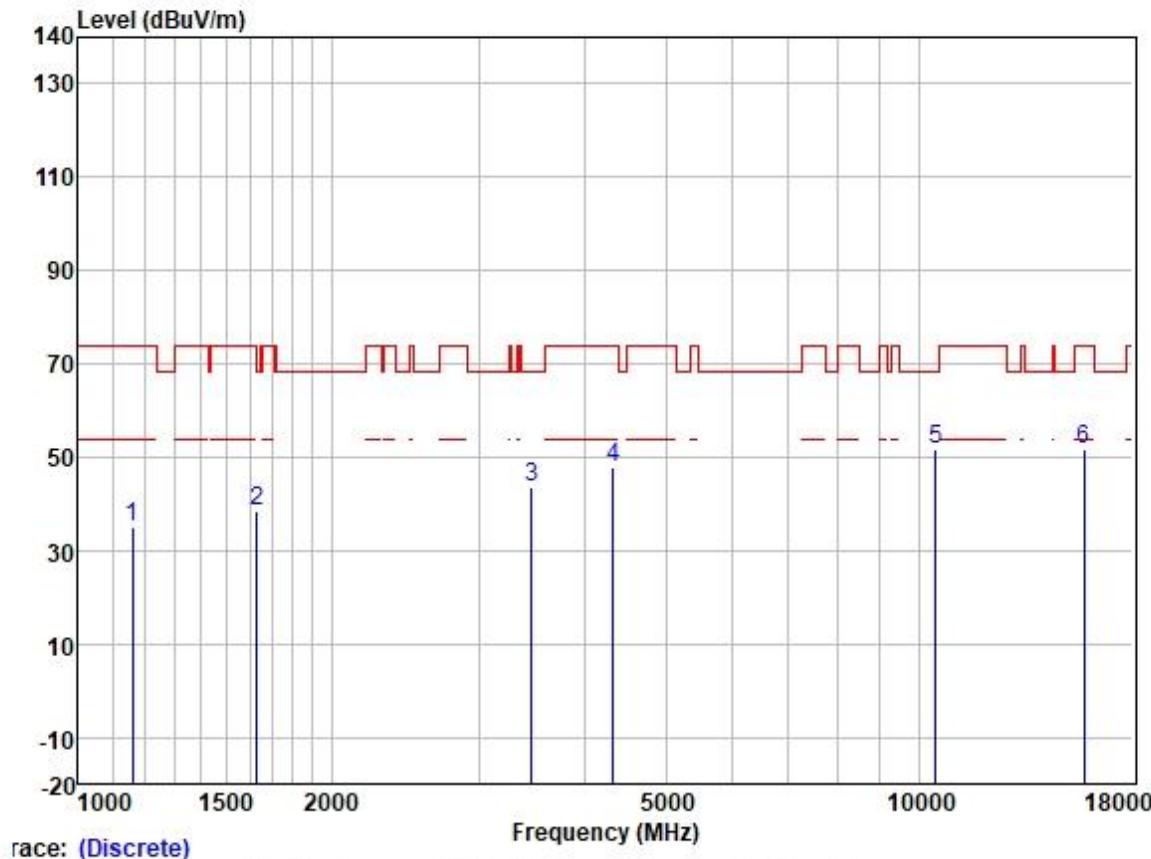
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Test Mode: 16; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Trace: (Discrete)	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	1158.828	46.39	24.52	2.40	38.42	34.89	74.00	-39.11	HORIZONTAL Peak
2	1629.825	47.79	25.61	2.80	37.95	38.25	68.20	-29.95	HORIZONTAL Peak
3	3465.510	47.51	28.88	4.22	36.95	43.66	68.20	-24.54	HORIZONTAL Peak
4	4329.354	49.35	30.54	4.67	36.81	47.75	74.00	-26.25	HORIZONTAL Peak
5	10480.000	42.26	39.46	7.40	37.36	51.76	68.20	-16.44	HORIZONTAL Peak
6	15720.000	38.51	38.78	9.87	35.39	51.77	74.00	-22.23	HORIZONTAL Peak

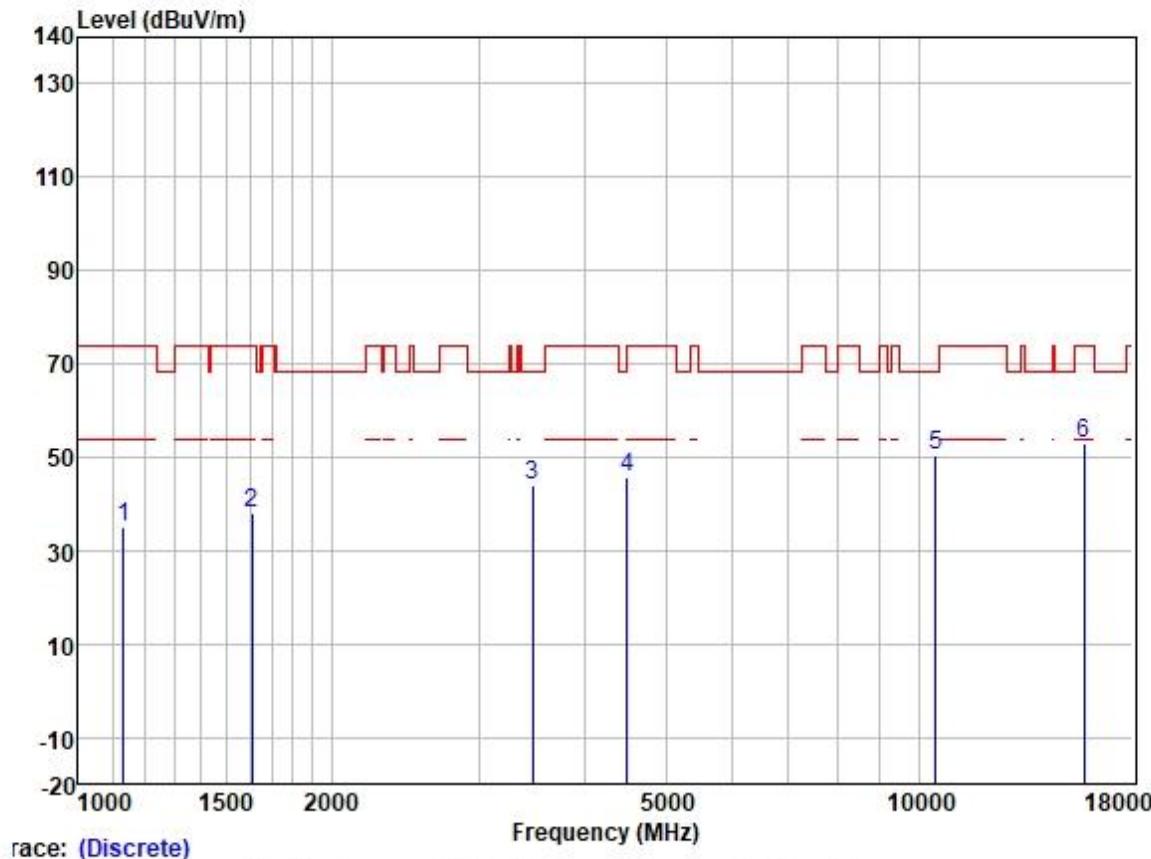
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Test Mode: 16; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Line	Freq	ReadAntenna		Cable		Preamp	Limit	Over	Pol/Phase	Remark
		Freq	Level	Factor	Loss					
	MHz	dBuV	dB/m		dB	dB	dBuV/m	dBuV/m	dB	
1	1132.340	46.67	24.44		2.22	38.43	34.90	74.00	-39.10	VERTICAL Peak
2	1611.091	47.71	25.59		2.80	37.98	38.12	74.00	-35.88	VERTICAL Peak
3	3475.541	47.65	28.89		4.25	36.95	43.84	68.20	-24.36	VERTICAL Peak
4	4495.125	46.79	30.80		5.05	36.82	45.82	68.20	-22.38	VERTICAL Peak
5	10480.000	40.84	39.46		7.40	37.36	50.34	68.20	-17.86	VERTICAL Peak
6	15720.000	39.78	38.78		9.87	35.39	53.04	74.00	-20.96	VERTICAL Peak

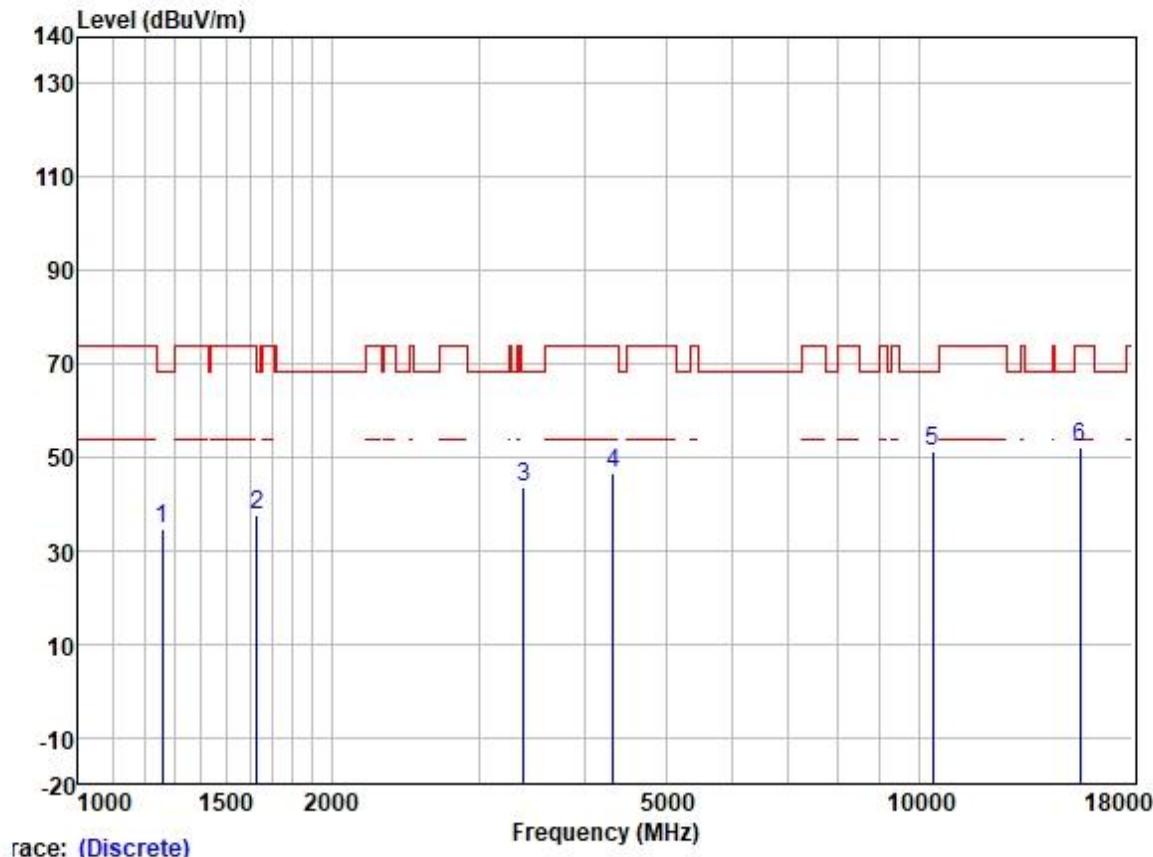
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Guangzhou Branch Testing Center for EEC Laboratory

Test Mode: 16; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Emission No.	Frequency (MHz)	ReadAntenna		Cable		Preamp Loss	Factor	Level	Limit	Over Line	Limit	Pol/Phase	Remark
		Freq	Level	Factor	Loss								
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	dB	dB	dB	dB	
1	1260.149	45.70	25.07	2.40	38.35	34.82	68.20	-33.38	HORIZONTAL	Peak			
2	1629.825	47.35	25.61	2.80	37.95	37.81	68.20	-30.39	HORIZONTAL	Peak			
3	3386.297	47.79	28.83	4.10	36.99	43.73	68.20	-24.47	HORIZONTAL	Peak			
4	4329.354	47.95	30.54	4.67	36.81	46.35	74.00	-27.65	HORIZONTAL	Peak			
5	10380.000	41.80	39.33	7.32	37.37	51.08	68.20	-17.12	HORIZONTAL	Peak			
6	15570.000	38.57	38.99	9.88	35.39	52.05	74.00	-21.95	HORIZONTAL	Peak			

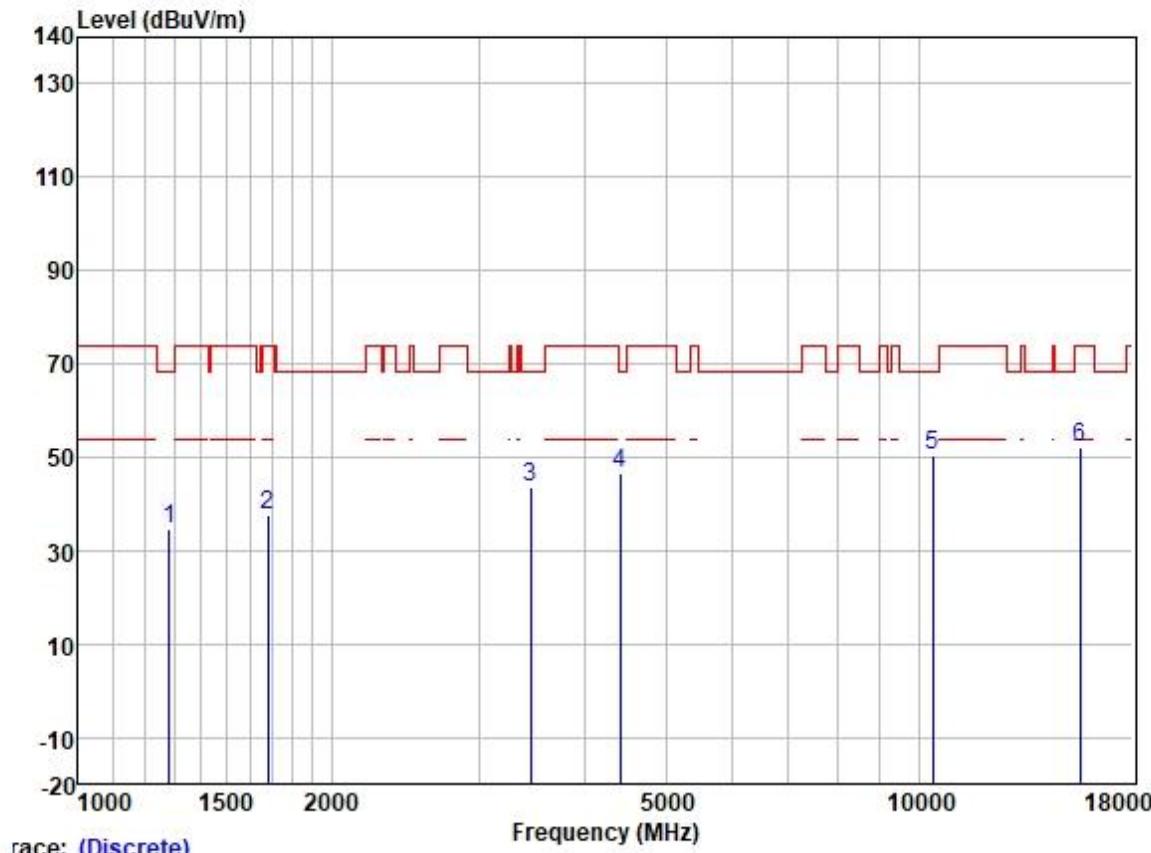
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Test Mode: 16; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Mode: (Discrete)

Freq	ReadAntenna		Cable		Preamp		Limit	Over	Pol/Phase	Remark
	MHz	Level	Factor	Loss	Factor	Level	dBuV/m	dBuV/m	dB	
1	1282.193	45.26	25.15	2.52	38.33	34.60	68.20	-33.60	VERTICAL	Peak
2	1682.477	46.90	25.68	2.80	37.91	37.47	74.00	-36.53	VERTICAL	Peak
3	3455.508	47.47	28.88	4.20	36.96	43.59	68.20	-24.61	VERTICAL	Peak
4	4417.841	47.77	30.70	4.74	36.81	46.40	68.20	-21.80	VERTICAL	Peak
5	10380.000	41.20	39.33	7.32	37.37	50.48	68.20	-17.72	VERTICAL	Peak
6	15570.000	38.68	38.99	9.88	35.39	52.16	74.00	-21.84	VERTICAL	Peak

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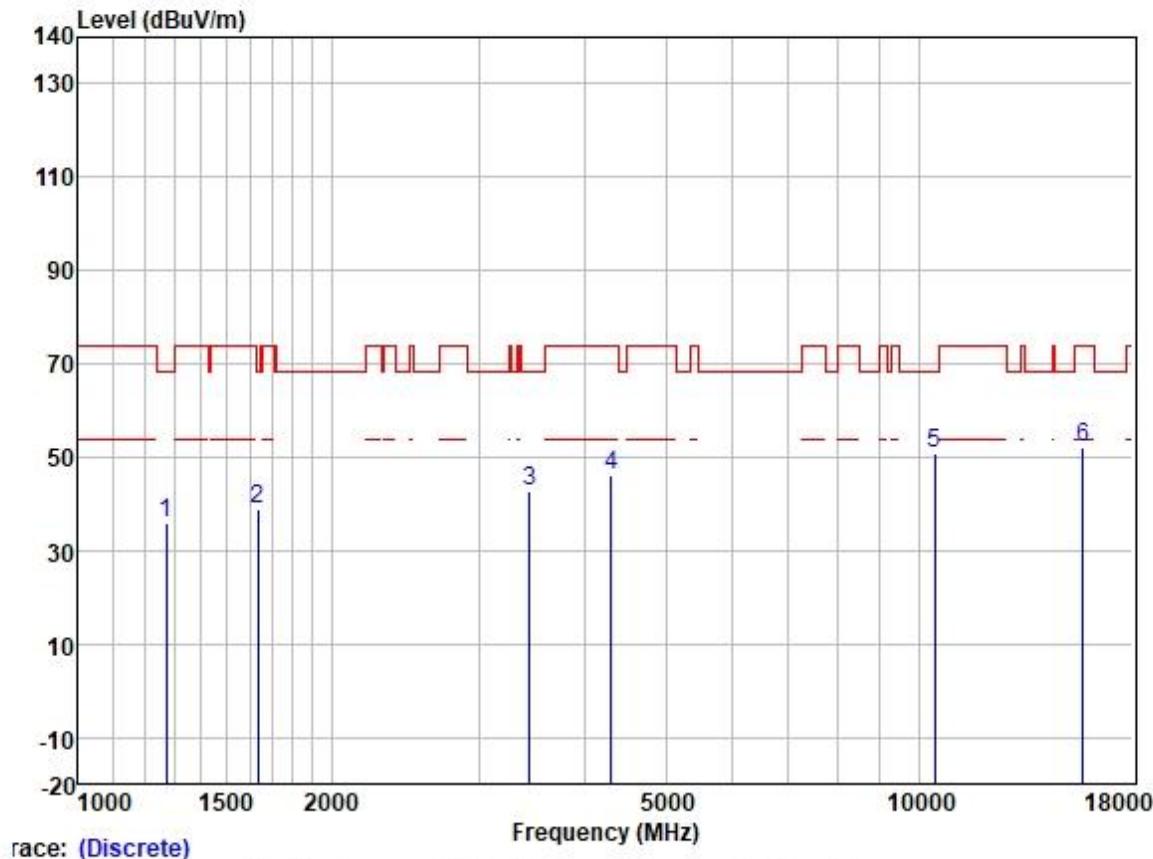
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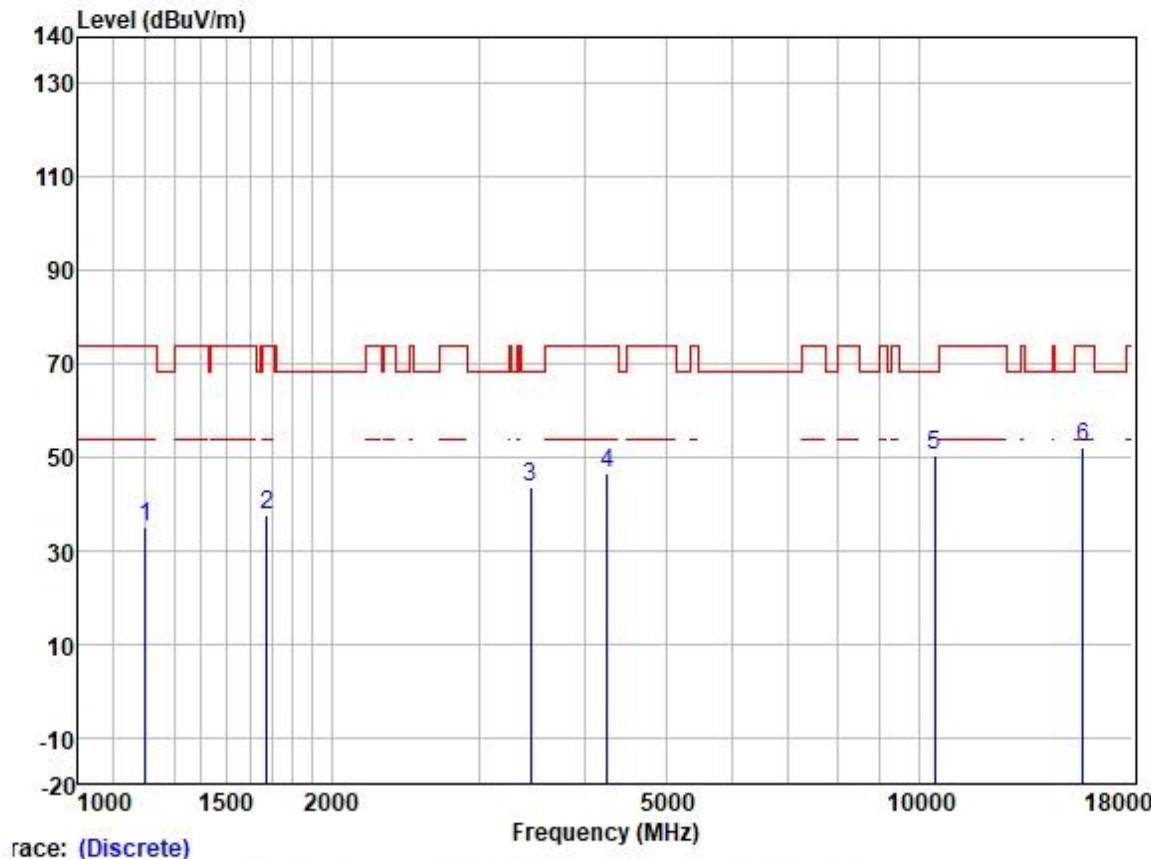
Test Mode: 16; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



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Test Mode: 16; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Freq	ReadAntenna		Cable Preamp		Limit	Over	Pol/Phase	Remark
	MHz	Level	Factor	Loss				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	1203.199	46.38	24.70	2.34	38.39	35.03	74.00	-38.97 VERTICAL Peak
2	1677.621	46.95	25.68	2.80	37.91	37.52	74.00	-36.48 VERTICAL Peak
3	3455.508	47.50	28.88	4.20	36.96	43.62	68.20	-24.58 VERTICAL Peak
4	4254.921	48.28	30.34	4.62	36.81	46.43	74.00	-27.57 VERTICAL Peak
5	10460.000	40.91	39.42	7.37	37.36	50.34	68.20	-17.86 VERTICAL Peak
6	15690.000	38.76	38.86	9.87	35.39	52.10	74.00	-21.90 VERTICAL Peak

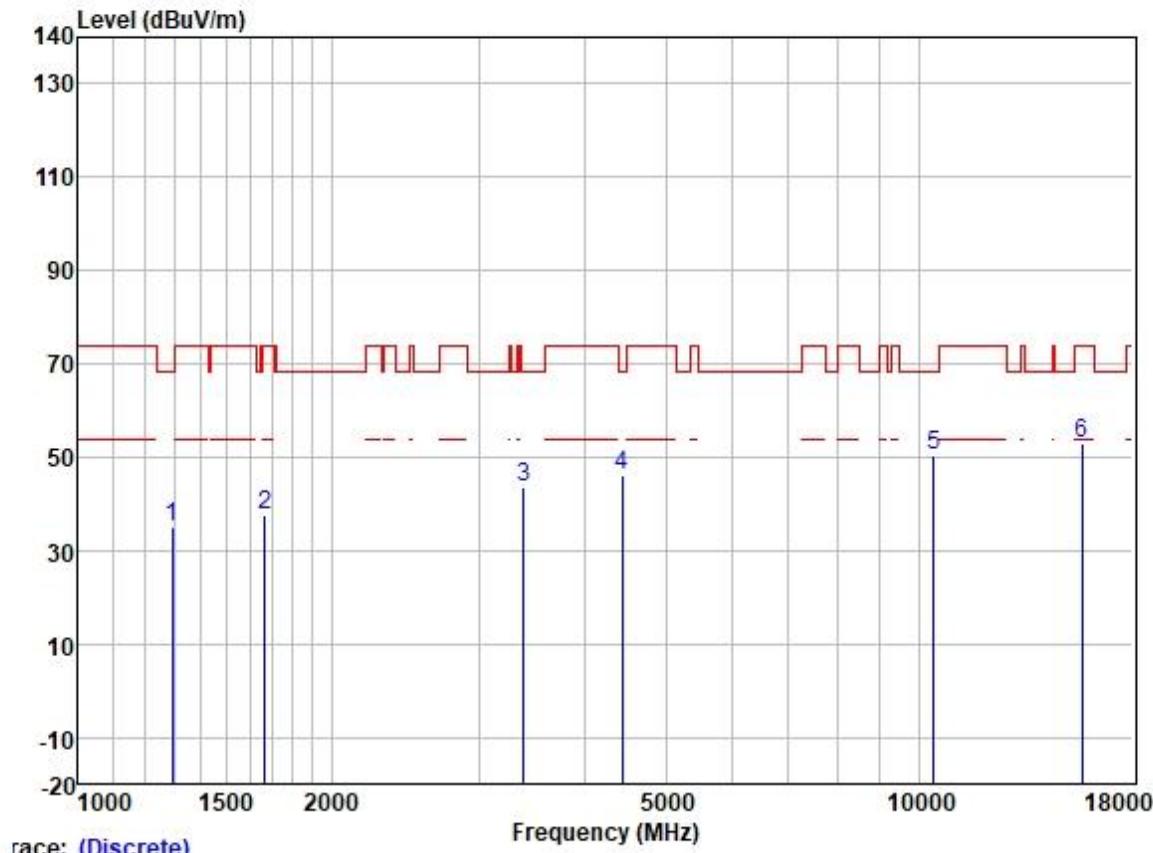
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Test Mode: 16; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Index	Frequency (MHz)	ReadAntenna		Cable Preamp		Limit Line	Over Limit	Pol/Phase	Remark
		Freq	Level	Factor	Loss				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1293.359	45.44	25.18	2.57	38.31	34.88	68.20	-33.32	HORIZONTAL Peak
2	1667.951	47.02	25.66	2.80	37.91	37.57	74.00	-36.43	HORIZONTAL Peak
3	3386.297	47.48	28.83	4.10	36.99	43.42	68.20	-24.78	HORIZONTAL Peak
4	4443.453	47.31	30.73	4.83	36.81	46.06	68.20	-22.14	HORIZONTAL Peak
5	10420.000	40.98	39.38	7.35	37.36	50.35	68.20	-17.85	HORIZONTAL Peak
6	15630.000	39.54	38.92	9.87	35.39	52.94	74.00	-21.06	HORIZONTAL Peak

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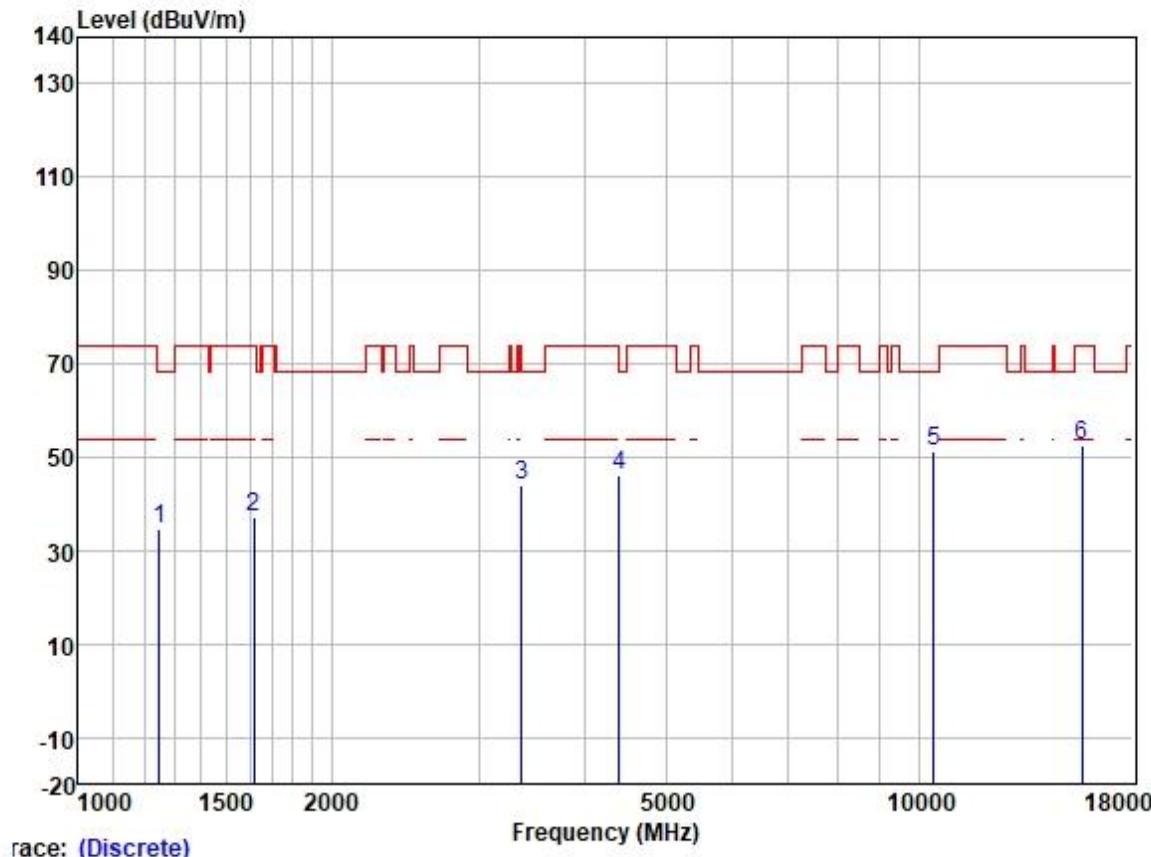
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Test Mode: 16; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Mode: (Discrete)

Freq	ReadAntenna		Cable Preamp		Limit	Over	Limit	Pol/Phase	Remark
	MHz	Level	Factor	Loss					
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1249.269	45.51	25.02	2.34	38.35	34.52	68.20	-33.68	VERTICAL Peak
2	1615.754	46.73	25.60	2.80	37.95	37.18	74.00	-36.82	VERTICAL Peak
3	3366.778	47.93	28.82	4.09	36.99	43.85	68.20	-24.35	VERTICAL Peak
4	4405.090	47.77	30.68	4.70	36.81	46.34	68.20	-21.86	VERTICAL Peak
5	10420.000	41.74	39.38	7.35	37.36	51.11	68.20	-17.09	VERTICAL Peak
6	15630.000	39.31	38.92	9.87	35.39	52.71	74.00	-21.29	VERTICAL Peak

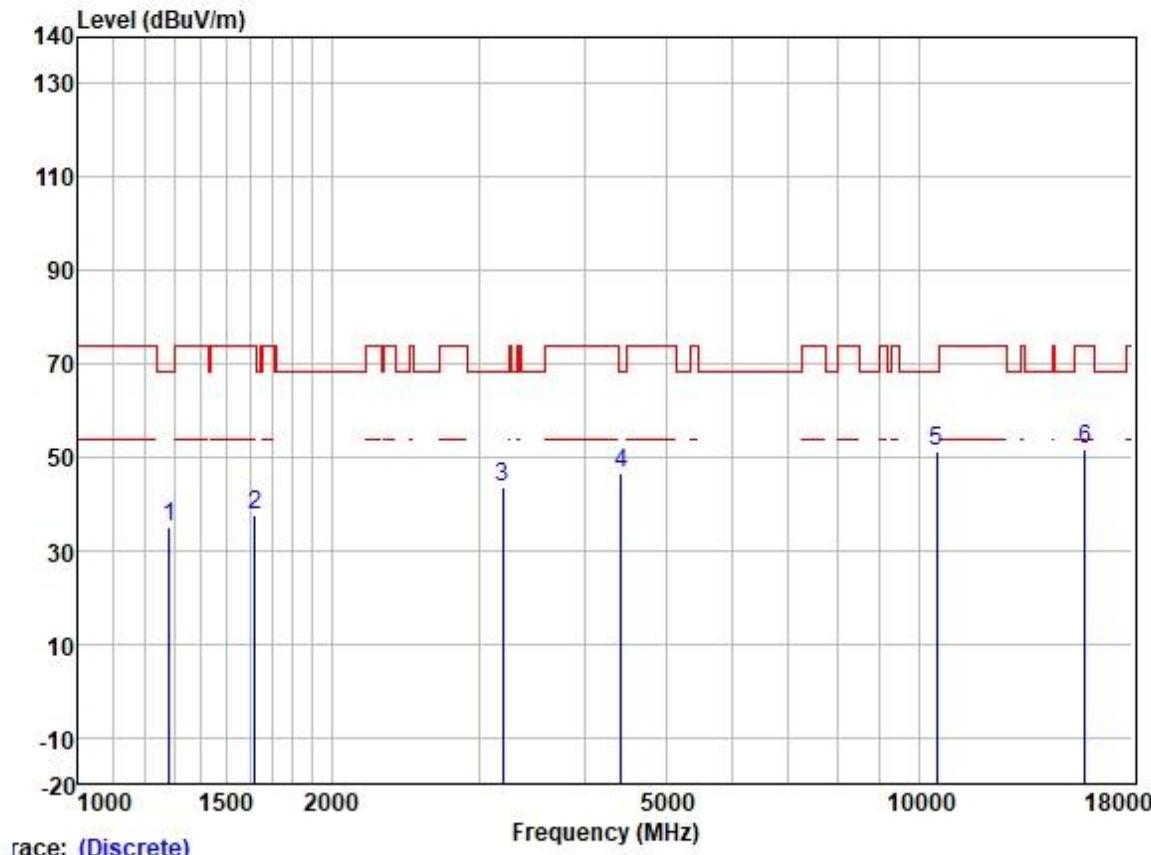
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Test Mode: 18; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Index	Frequency (MHz)	ReadAntenna		Cable		Preamp Loss	Factor	Level	Limit	Over Line	Limit	Pol/Phase	Remark
		Freq	Level	Factor	Loss								
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	dB	dB	dB	dB	
1	1282.193	45.56	25.15	2.52	38.33	34.90	68.20	-33.30	HORIZONTAL	Peak			
2	1620.431	47.29	25.60	2.80	37.95	37.74	74.00	-36.26	HORIZONTAL	Peak			
3	3196.094	48.08	28.58	4.00	37.09	43.57	68.20	-24.63	HORIZONTAL	Peak			
4	4430.628	48.07	30.72	4.78	36.81	46.76	68.20	-21.44	HORIZONTAL	Peak			
5	10520.000	41.87	39.50	7.42	37.35	51.44	68.20	-16.76	HORIZONTAL	Peak			
6	15780.000	38.53	38.70	9.86	35.39	51.70	74.00	-22.30	HORIZONTAL	Peak			

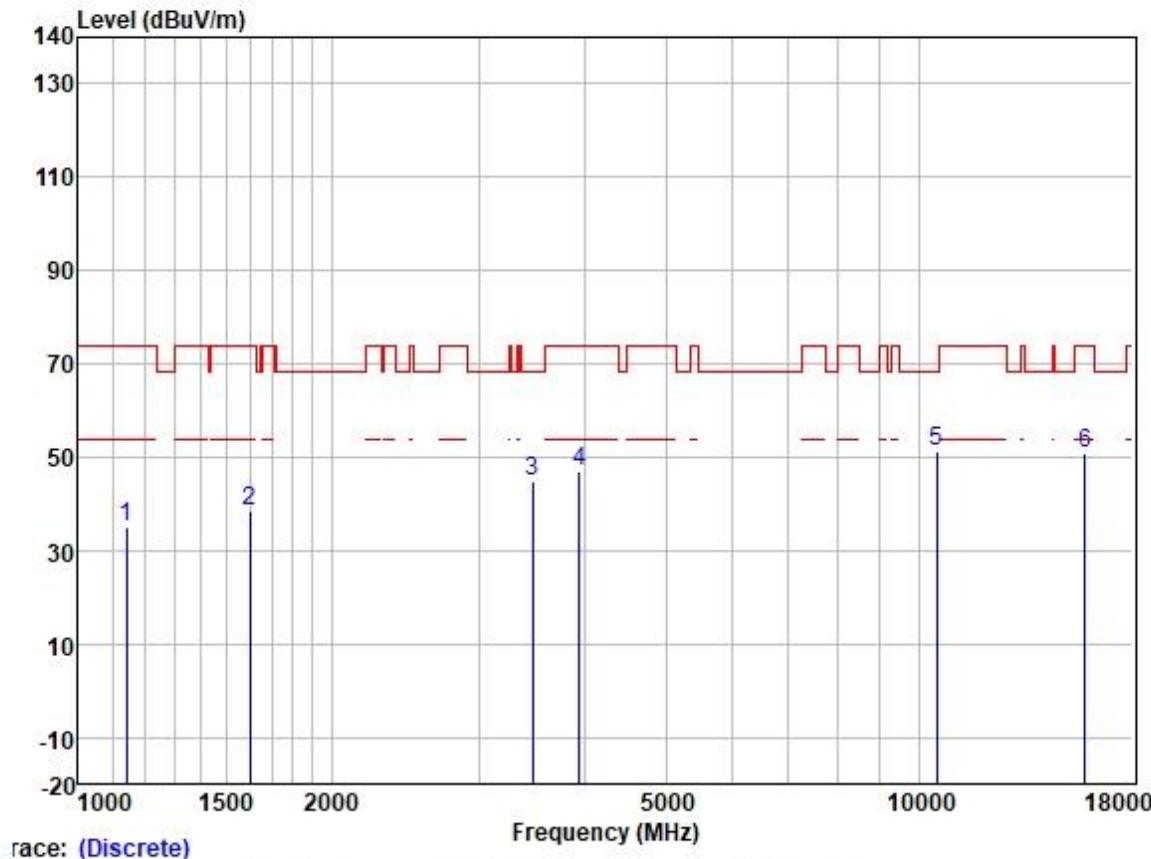
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Test Mode: 18; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Mode: (Discrete)

Freq	ReadAntenna		Cable Preamp		Limit	Over	Line	Limit	Pol/Phase	Remark
	MHz	Level	Factor	Loss						
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1142.201	46.50	24.47	2.30	38.42	34.85	74.00	-39.15	VERTICAL	Peak
2	1601.804	48.20	25.58	2.80	37.98	38.60	74.00	-35.40	VERTICAL	Peak
3	3475.541	48.66	28.89	4.25	36.95	44.85	68.20	-23.35	VERTICAL	Peak
4	3946.885	49.49	29.74	4.60	36.81	47.02	74.00	-26.98	VERTICAL	Peak
5	10520.000	41.58	39.50	7.42	37.35	51.15	68.20	-17.05	VERTICAL	Peak
6	15780.000	37.86	38.70	9.86	35.39	51.03	74.00	-22.97	VERTICAL	Peak

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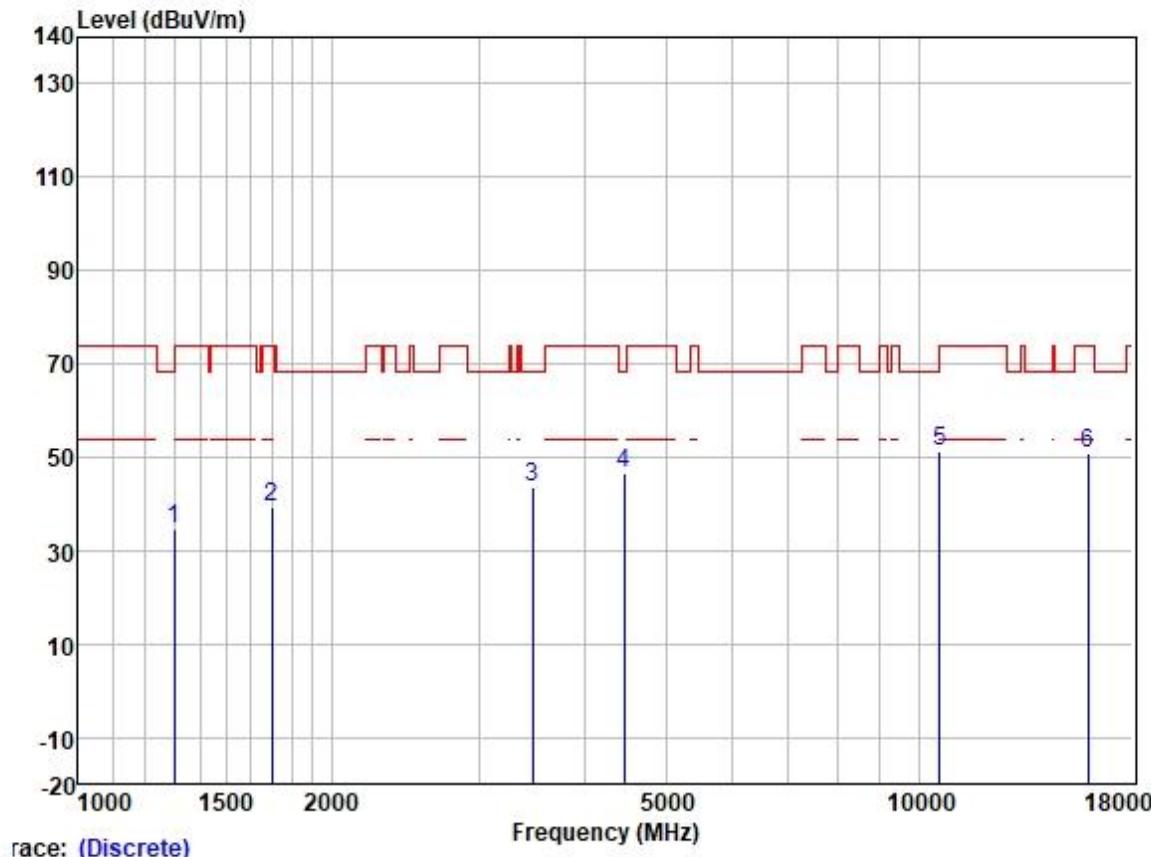
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Test Mode: 18; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Freq	ReadAntenna		Cable Preamp		Limit	Over	Pol/Phase	Remark
	MHz	Level	Factor	Loss				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	1300.858	45.26	25.20	2.60	38.31	34.75	74.00	-39.25 HORIZONTAL Peak
2	1697.129	48.80	25.71	2.80	37.89	39.42	74.00	-34.58 HORIZONTAL Peak
3	3475.541	47.41	28.89	4.25	36.95	43.60	68.20	-24.60 HORIZONTAL Peak
4	4456.315	47.76	30.75	4.88	36.81	46.58	68.20	-21.62 HORIZONTAL Peak
5	10600.000	41.68	39.59	7.46	37.34	51.39	68.20	-16.81 HORIZONTAL Peak
6	15900.000	37.92	38.44	9.86	35.40	50.82	74.00	-23.18 HORIZONTAL Peak

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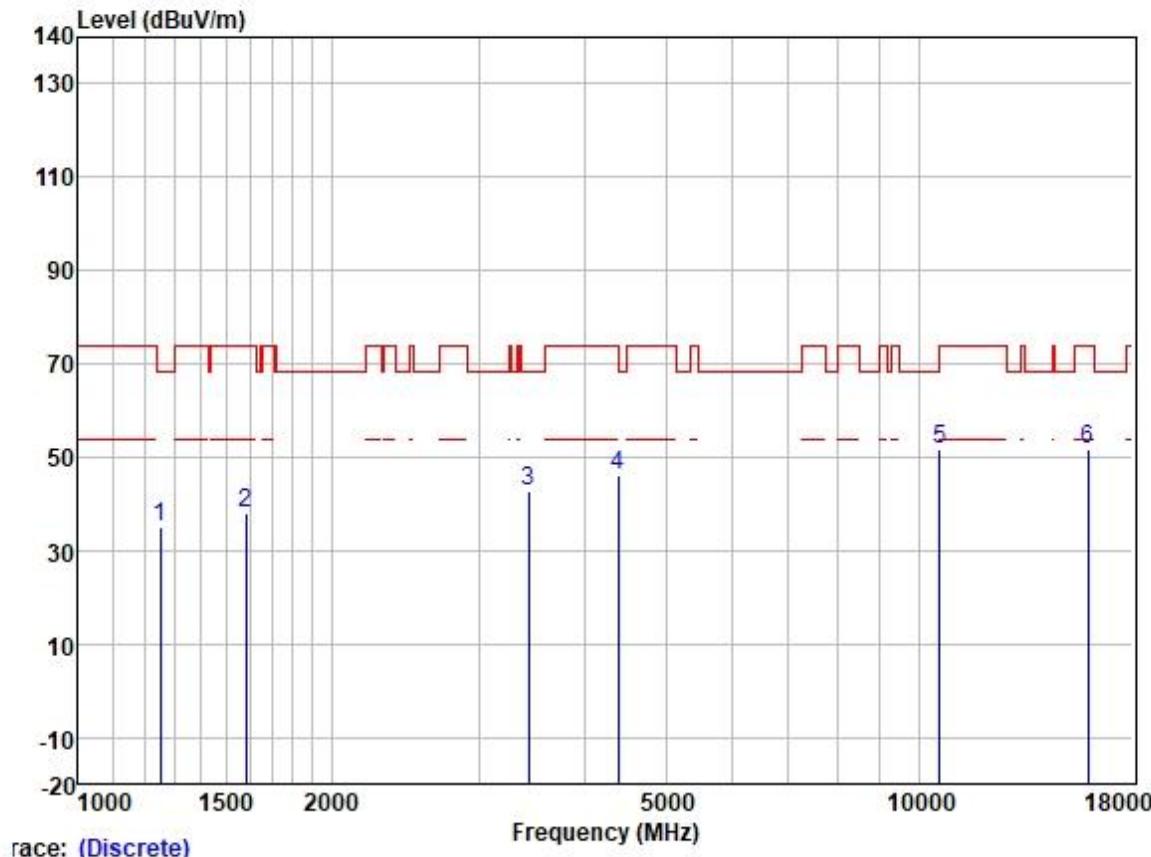
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Test Mode: 18; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Mode: (Discrete)

Freq	ReadAntenna		Cable		Preamp		Limit	Over	Pol/Phase	Remark
	MHz	Level	Factor	Loss	Factor	Level				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1252.885	45.99	25.03	2.36	38.35	35.03	68.20	-33.17	VERTICAL	Peak
2	1583.392	47.54	25.56	2.80	38.00	37.90	74.00	-36.10	VERTICAL	Peak
3	3435.590	46.86	28.87	4.16	36.97	42.92	68.20	-25.28	VERTICAL	Peak
4	4392.376	47.45	30.66	4.70	36.81	46.00	74.00	-28.00	VERTICAL	Peak
5	10600.000	41.83	39.59	7.46	37.34	51.54	68.20	-16.66	VERTICAL	Peak
6	15900.000	38.94	38.44	9.86	35.40	51.84	74.00	-22.16	VERTICAL	Peak

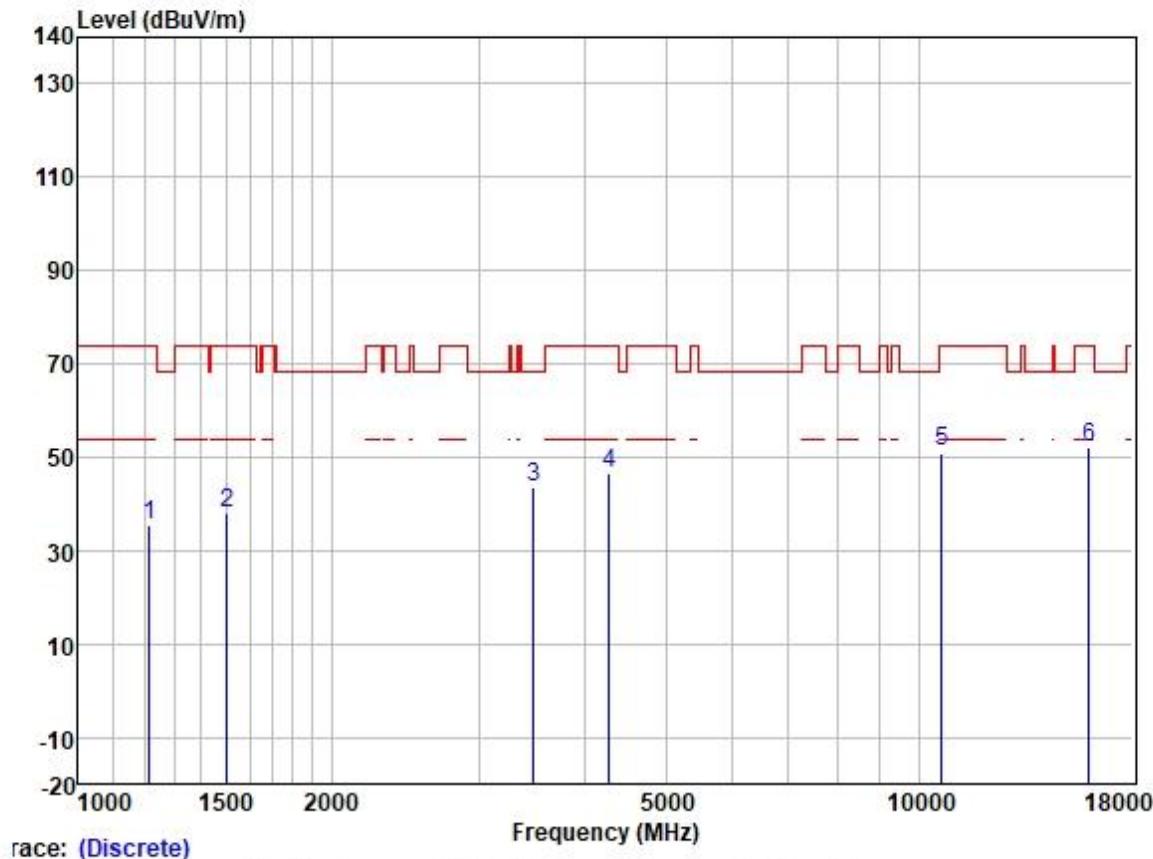
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Test Mode: 18; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Label	Frequency (MHz)	ReadAntenna		Cable Preamp		Limit Line	Over Limit	Pol/Phase	Remark
		Freq	Level	Factor	Loss				
	MHz	dBuV	dB/m		dB	dBuV/m	dBuV/m	dB	
1	1213.677	46.60	24.77	2.32	38.37	35.32	74.00	-38.68	HORIZONTAL Peak
2	1503.119	47.65	25.50	2.80	38.10	37.85	74.00	-36.15	HORIZONTAL Peak
3	3485.601	47.47	28.89	4.27	36.95	43.68	68.20	-24.52	HORIZONTAL Peak
4	4279.589	48.49	30.42	4.63	36.81	46.73	74.00	-27.27	HORIZONTAL Peak
5	10640.000	41.26	39.63	7.48	37.33	51.04	74.00	-22.96	HORIZONTAL Peak
6	15960.000	39.19	38.37	9.85	35.40	52.01	74.00	-21.99	HORIZONTAL Peak

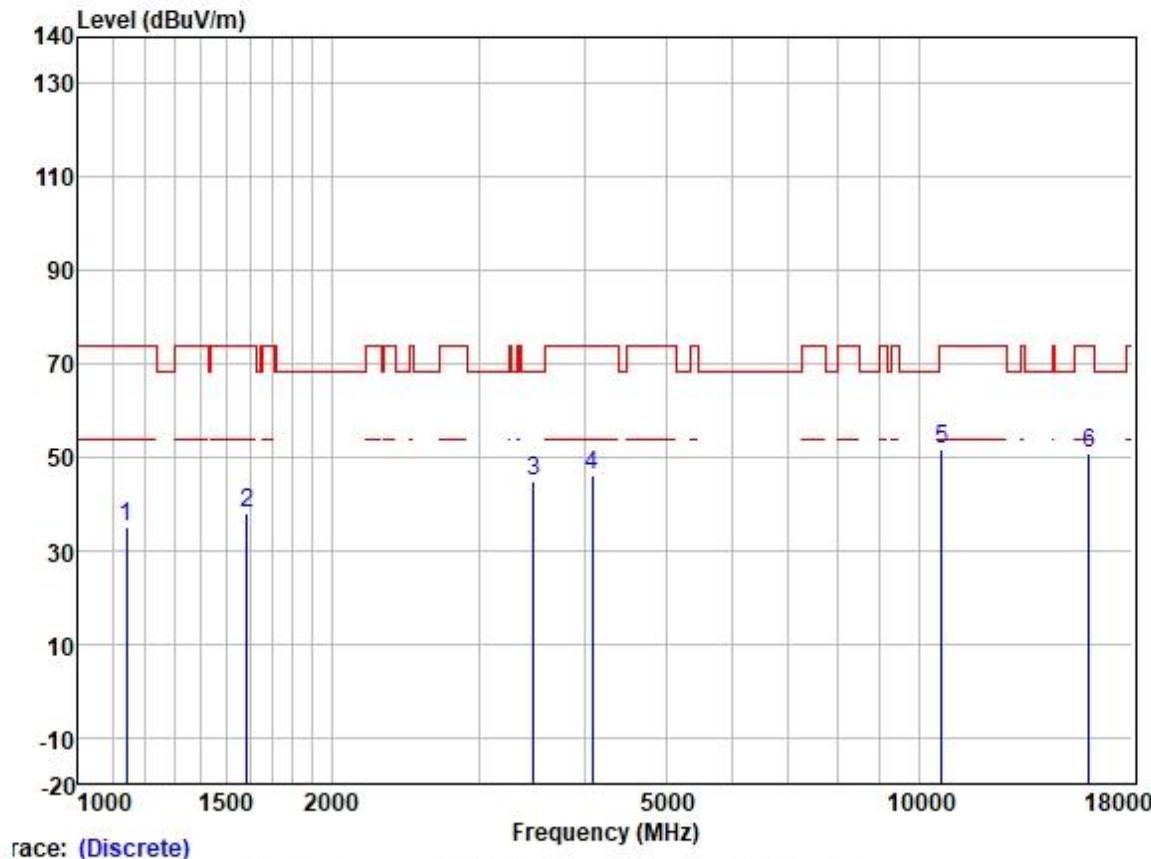
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Test Mode: 18; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Mode: (Discrete)

Freq	ReadAntenna		Cable Preamp		Limit	Over	Pol/Phase	Remark
	MHz	Level	Factor	Loss				
1	1142.201	46.51	24.47	2.30	38.42	34.86	74.00	-39.14 VERTICAL Peak
2	1587.975	47.73	25.57	2.80	37.98	38.12	74.00	-35.88 VERTICAL Peak
3	3485.601	48.55	28.89	4.27	36.95	44.76	68.20	-23.44 VERTICAL Peak
4	4086.182	48.29	29.92	4.60	36.80	46.01	74.00	-27.99 VERTICAL Peak
5	10640.000	41.76	39.63	7.48	37.33	51.54	74.00	-22.46 VERTICAL Peak
6	15960.000	38.10	38.37	9.85	35.40	50.92	74.00	-23.08 VERTICAL Peak

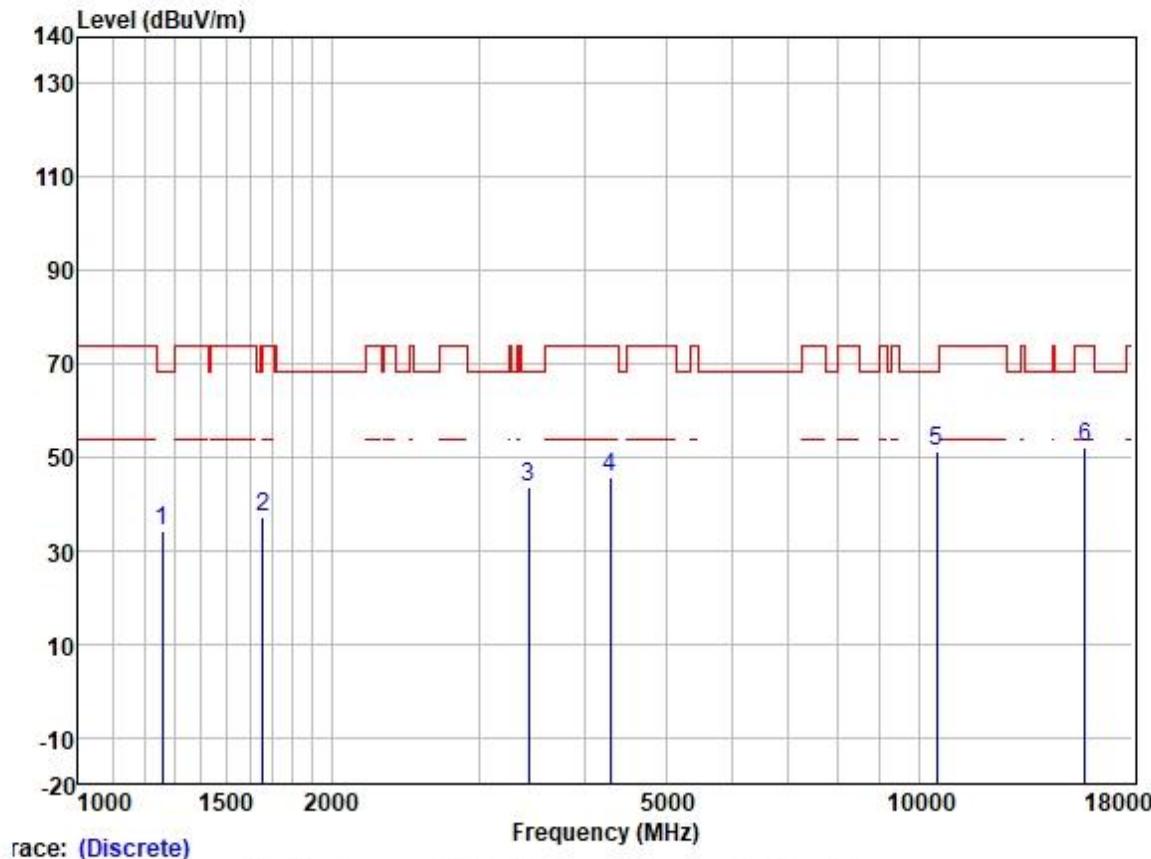
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Test Mode: 18; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Index	Frequency (MHz)	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	1260.149	45.05	25.07	2.40	38.35	34.17	68.20	-34.03	HORIZONTAL	Peak	
2	1658.337	46.85	25.65	2.80	37.93	37.37	68.20	-30.83	HORIZONTAL	Peak	
3	3435.590	47.45	28.87	4.16	36.97	43.51	68.20	-24.69	HORIZONTAL	Peak	
4	4291.977	47.57	30.45	4.64	36.81	45.85	74.00	-28.15	HORIZONTAL	Peak	
5	10520.000	41.79	39.50	7.42	37.35	51.36	68.20	-16.84	HORIZONTAL	Peak	
6	15780.000	38.77	38.70	9.86	35.39	51.94	74.00	-22.06	HORIZONTAL	Peak	

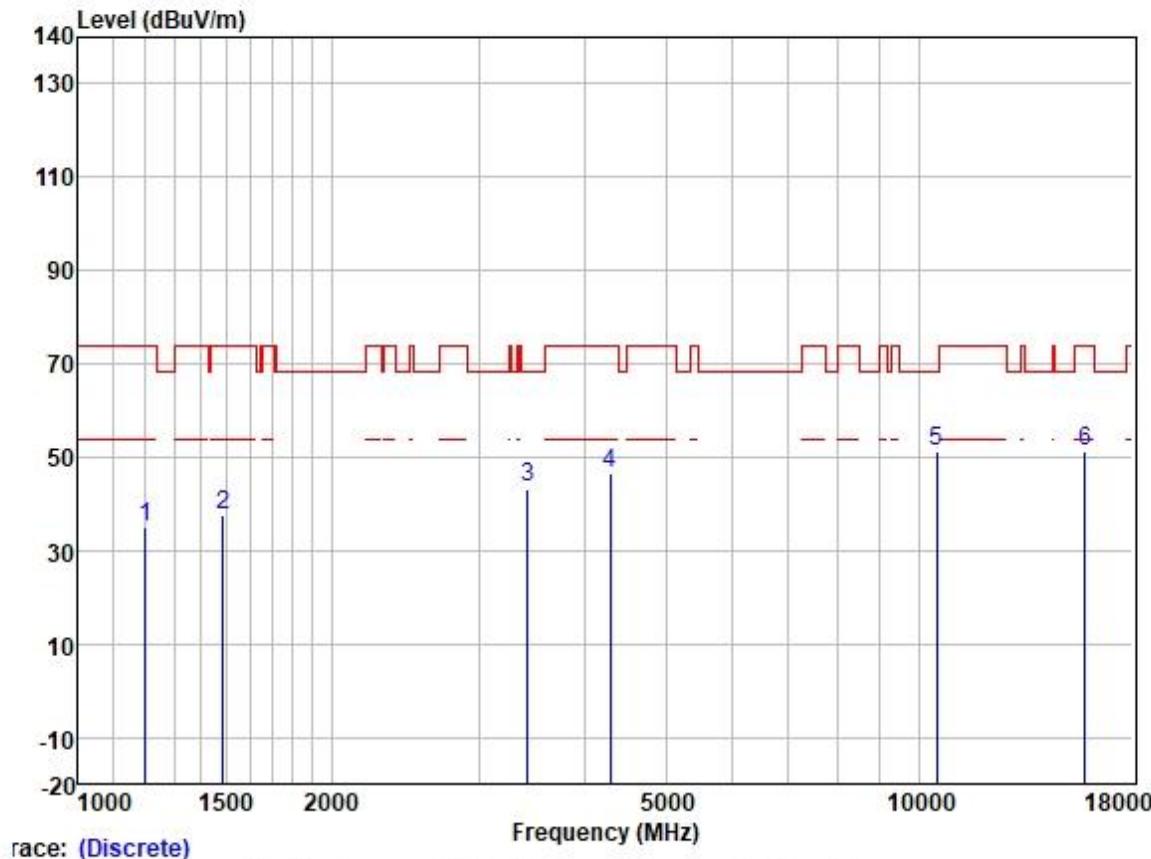
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Test Mode: 18; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Freq	ReadAntenna		Cable Preamp		Limit	Over	Limit	Pol/Phase	Remark
	MHz	Level	Factor	Loss					
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1203.199	46.52	24.70	2.34	38.39	35.17	74.00	-38.83	VERTICAL Peak
2	1485.841	47.52	25.49	2.78	38.13	37.66	74.00	-36.34	VERTICAL Peak
3	3425.675	47.32	28.86	4.15	36.97	43.36	68.20	-24.84	VERTICAL Peak
4	4291.977	48.22	30.45	4.64	36.81	46.50	74.00	-27.50	VERTICAL Peak
5	10520.000	41.68	39.50	7.42	37.35	51.25	68.20	-16.95	VERTICAL Peak
6	15780.000	37.92	38.70	9.86	35.39	51.09	74.00	-22.91	VERTICAL Peak

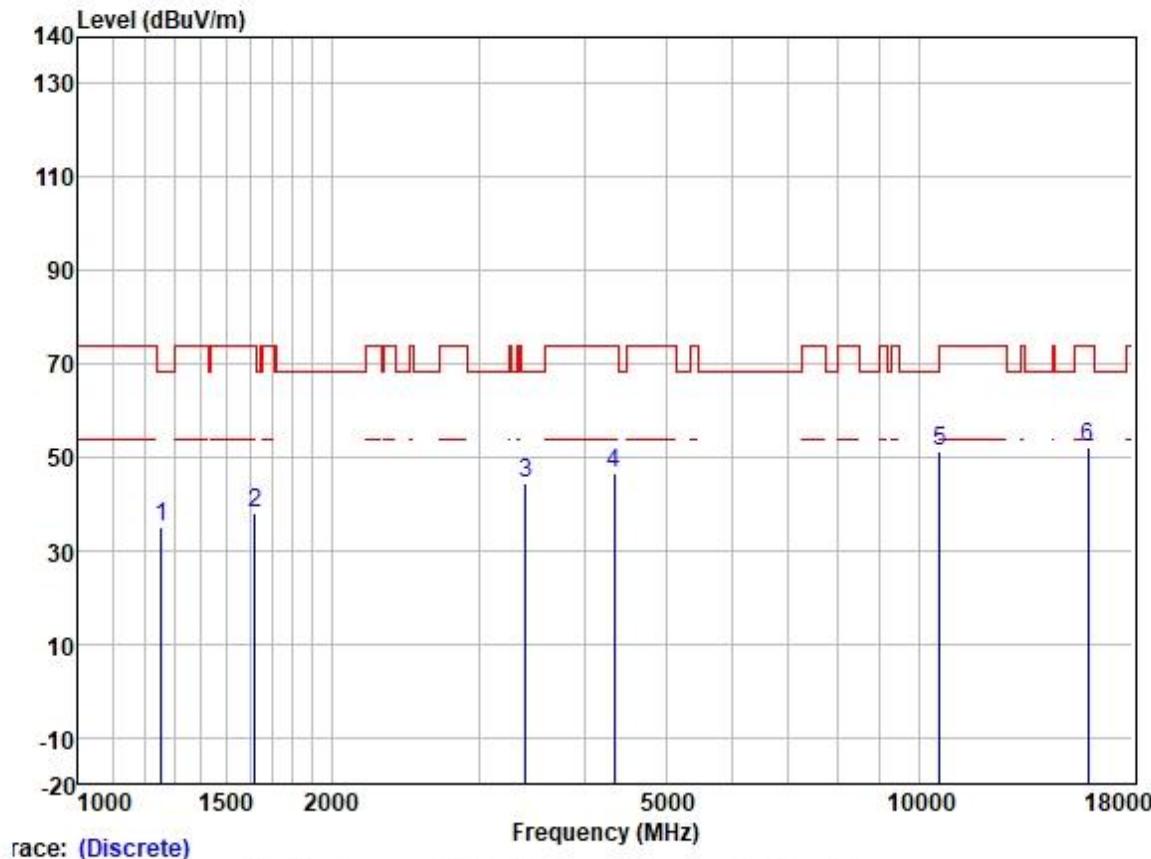
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Test Mode: 18; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



	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	1256.512	46.04	25.05	2.38	38.35	35.12	68.20	-33.08 HORIZONTAL Peak
2	1620.431	47.39	25.60	2.80	37.95	37.84	74.00	-36.16 HORIZONTAL Peak
3	3405.929	48.58	28.85	4.11	36.98	44.56	68.20	-23.64 HORIZONTAL Peak
4	4341.886	48.34	30.57	4.67	36.81	46.77	74.00	-27.23 HORIZONTAL Peak
5	10600.000	41.49	39.59	7.46	37.34	51.20	68.20	-17.00 HORIZONTAL Peak
6	15900.000	39.30	38.44	9.86	35.40	52.20	74.00	-21.80 HORIZONTAL Peak

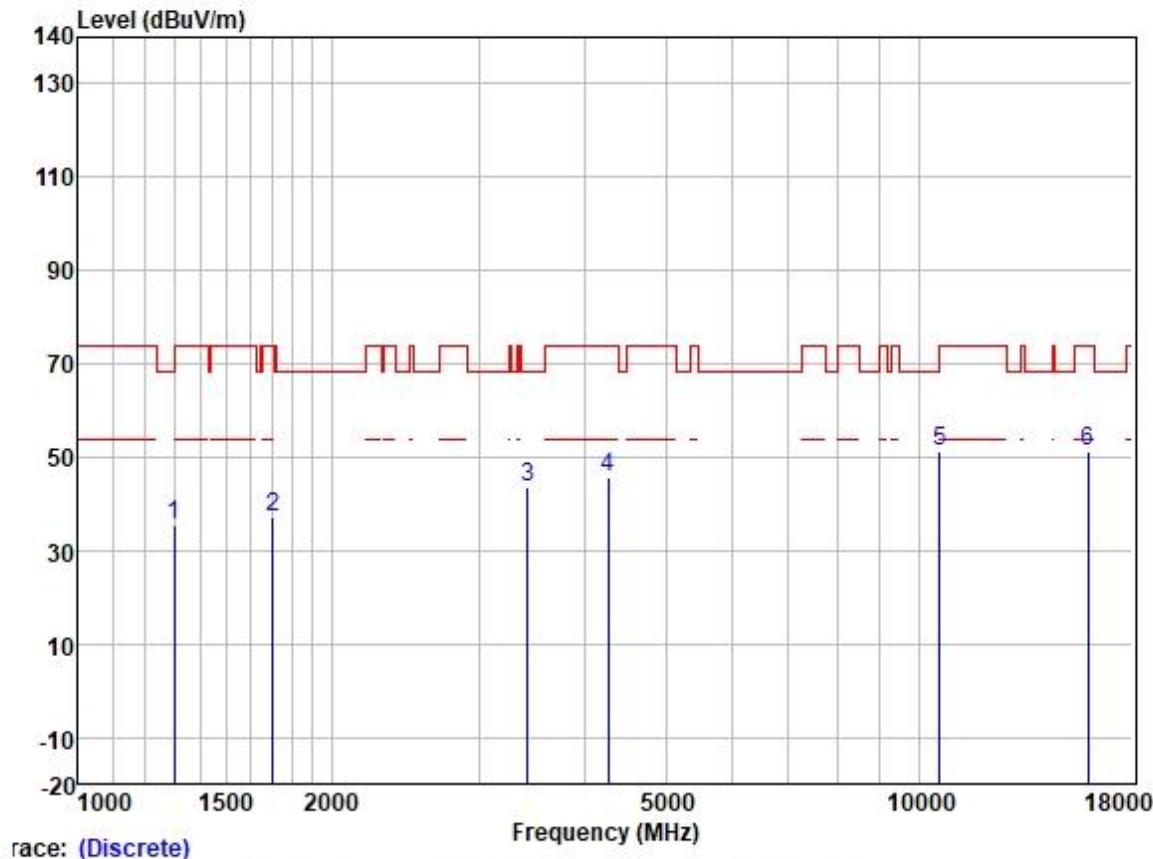
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Test Mode: 18; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Freq	ReadAntenna		Cable		Preamp		Limit	Over	Line	Limit	Pol/Phase	Remark
	MHz	Level	Factor	Loss	Factor	Level						
1	1300.858	45.88	25.20	2.60	38.31	35.37	74.00	-38.63	VERTICAL	Peak		
2	1702.042	46.59	25.72	2.80	37.89	37.22	74.00	-36.78	VERTICAL	Peak		
3	3425.675	47.66	28.86	4.15	36.97	43.70	68.20	-24.50	VERTICAL	Peak		
4	4267.237	47.49	30.38	4.63	36.81	45.69	74.00	-28.31	VERTICAL	Peak		
5	10600.000	41.43	39.59	7.46	37.34	51.14	68.20	-17.06	VERTICAL	Peak		
6	15900.000	38.34	38.44	9.86	35.40	51.24	74.00	-22.76	VERTICAL	Peak		

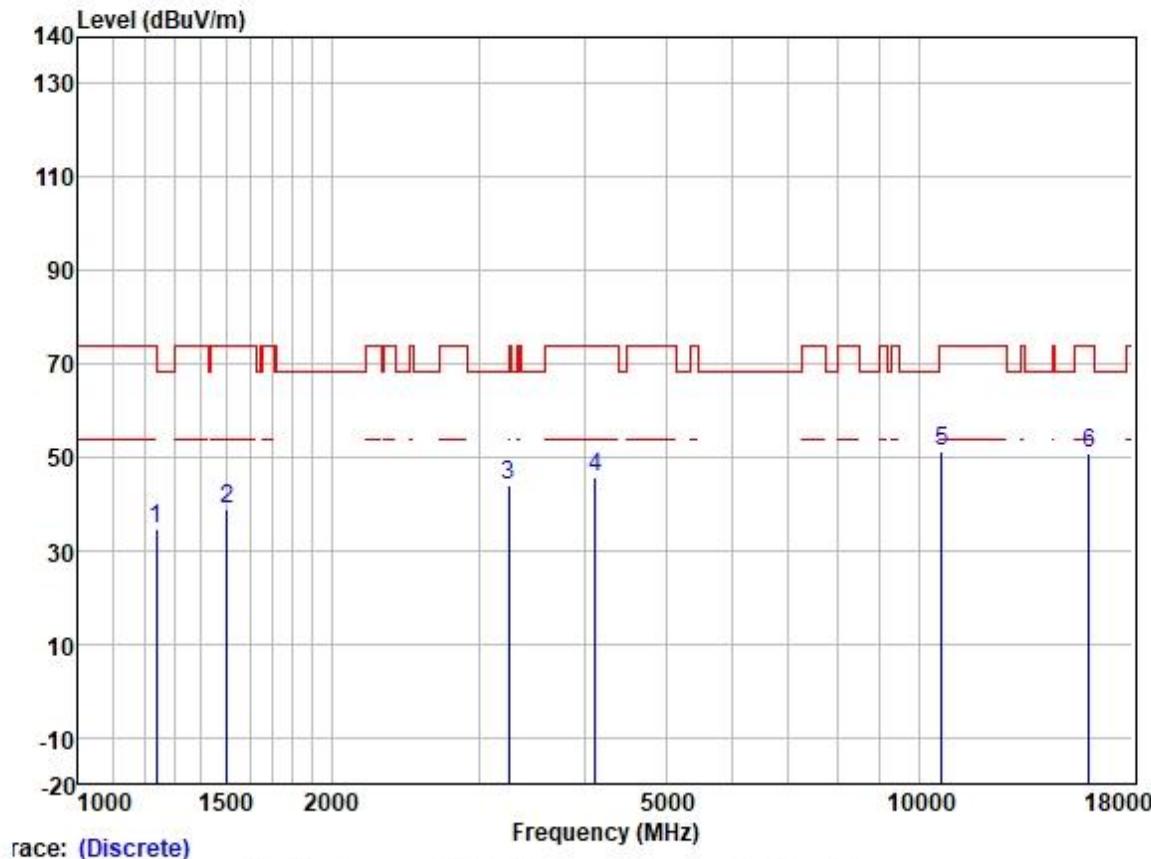
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Test Mode: 18; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Freq	ReadAntenna		Cable Preamp		Limit	Over	Limit	Pol/Phase	Remark
	MHz	Level	Factor	Loss					
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1238.483	45.88	24.96	2.30	38.35	34.79	74.00	-39.21	HORIZONTAL Peak
2	1503.119	48.49	25.50	2.80	38.10	38.69	74.00	-35.31	HORIZONTAL Peak
3	3252.005	48.25	28.68	4.03	37.06	43.90	68.20	-24.30	HORIZONTAL Peak
4	4121.768	48.11	29.98	4.60	36.80	45.89	74.00	-28.11	HORIZONTAL Peak
5	10640.000	41.62	39.63	7.48	37.33	51.40	74.00	-22.60	HORIZONTAL Peak
6	15960.000	38.12	38.37	9.85	35.40	50.94	74.00	-23.06	HORIZONTAL Peak

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