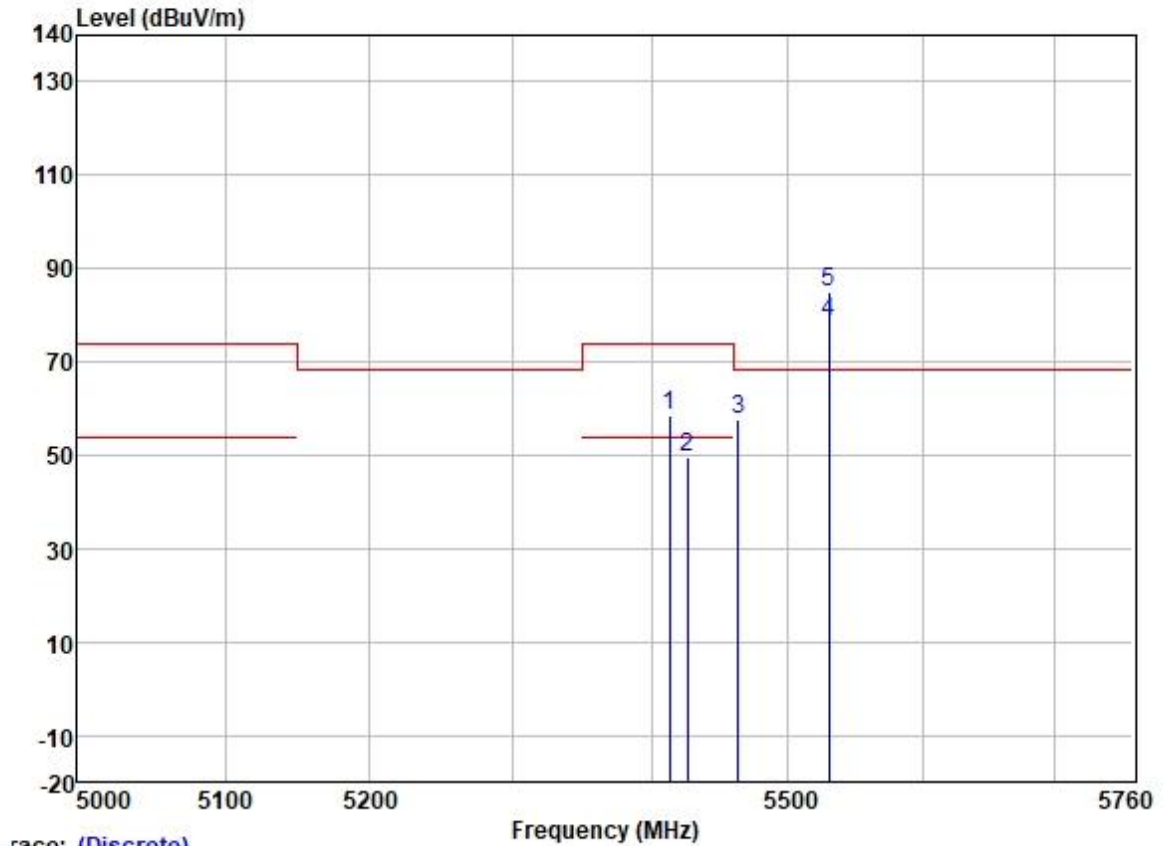


Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



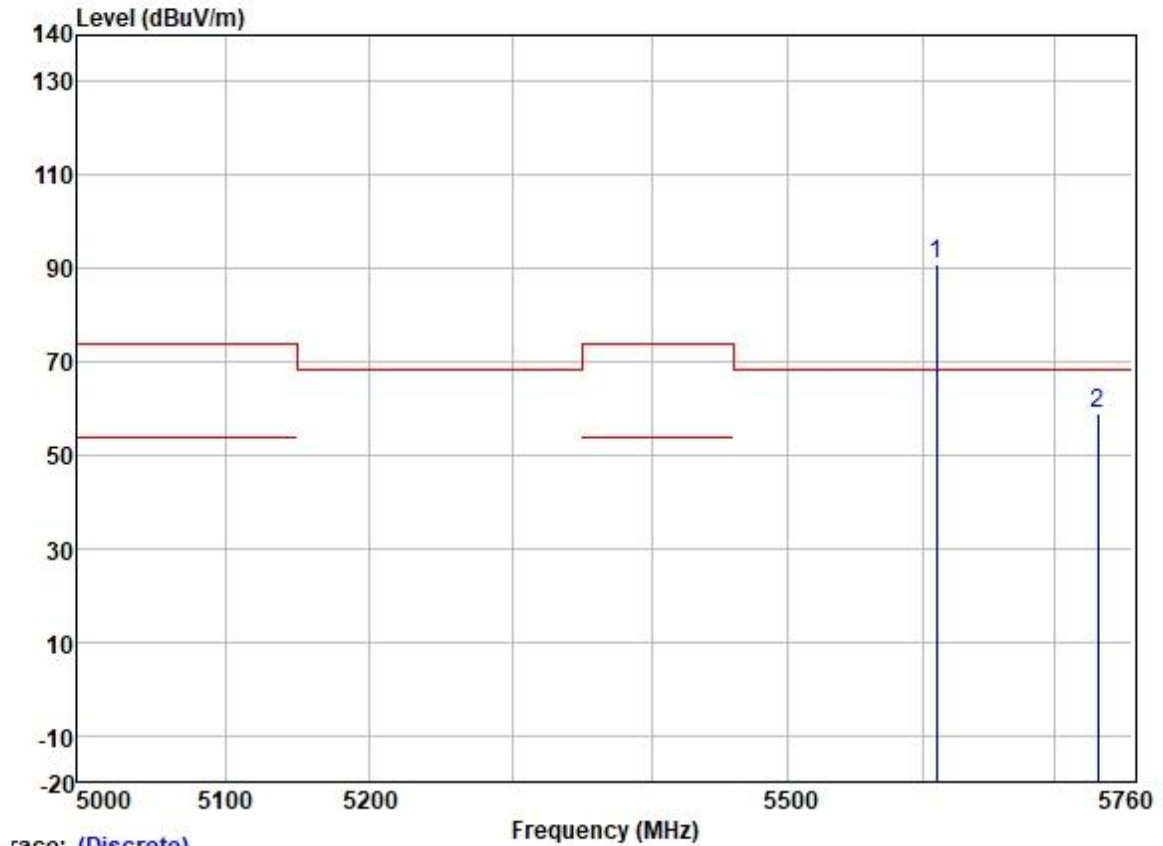
Trace: (Discrete)

	Read Freq	Antenna Level	Cable Factor	Preamp Loss	Preamp Factor	Limit Level	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dB		
1	5413.296	57.66	31.79	6.06	36.88	58.63	74.00	-15.37	VERTICAL Peak
2	5426.270	48.66	31.79	6.13	36.88	49.70	54.00	-4.30	VERTICAL Average
3	5463.046	56.46	31.79	6.26	36.88	57.63	68.20	-10.57	VERTICAL Peak
4	5530.000	77.15	31.83	6.37	36.89	78.46	-----	-----	VERTICAL Average
5 *	5530.000	83.66	31.83	6.37	36.89	84.97	68.20	16.77	VERTICAL Peak



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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



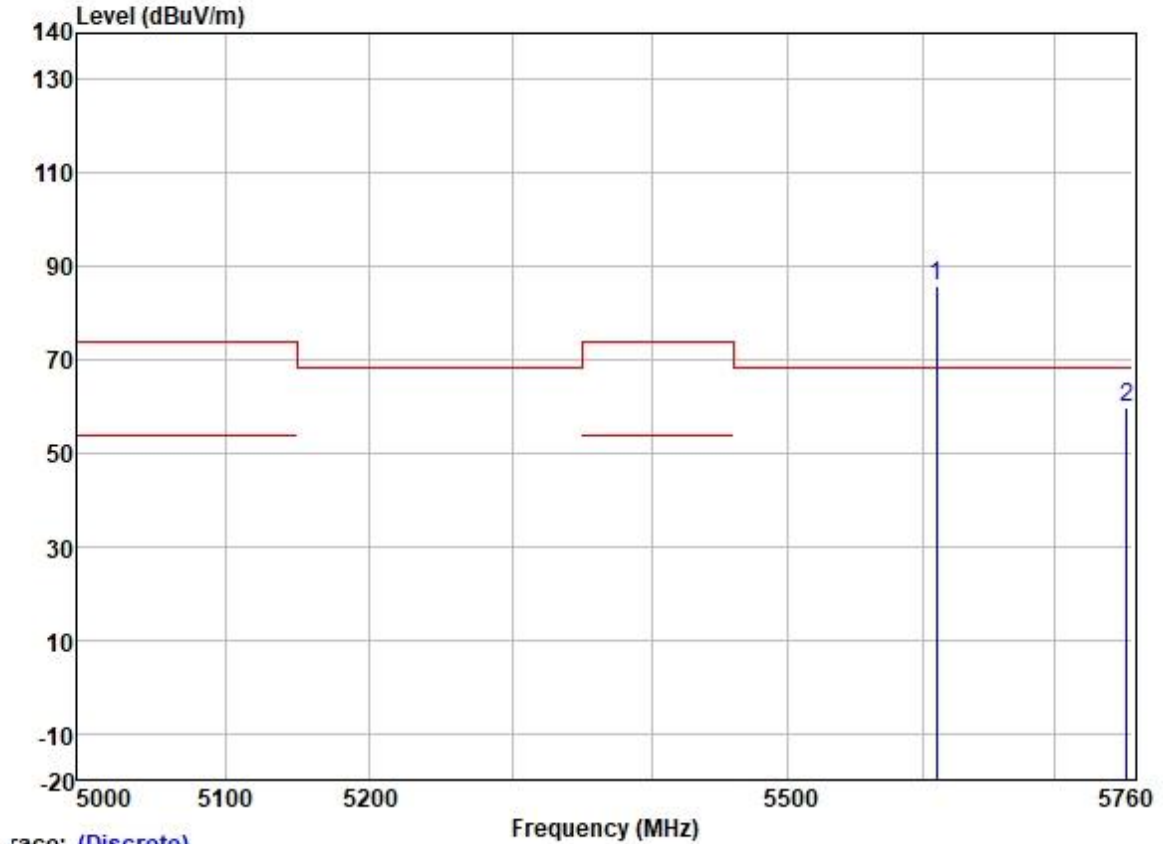
Trace: (Discrete)

	Read Freq	Antenna Level	Cable Factor	Preamp Loss	Preamp Factor	Limit Level	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dB		
1 *	5610.000	89.73	31.91	6.32	36.89	91.07	68.20	22.87	HORIZONTAL Peak
2	5733.193	57.52	32.07	6.25	36.89	58.95	68.20	-9.25	HORIZONTAL Peak



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Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



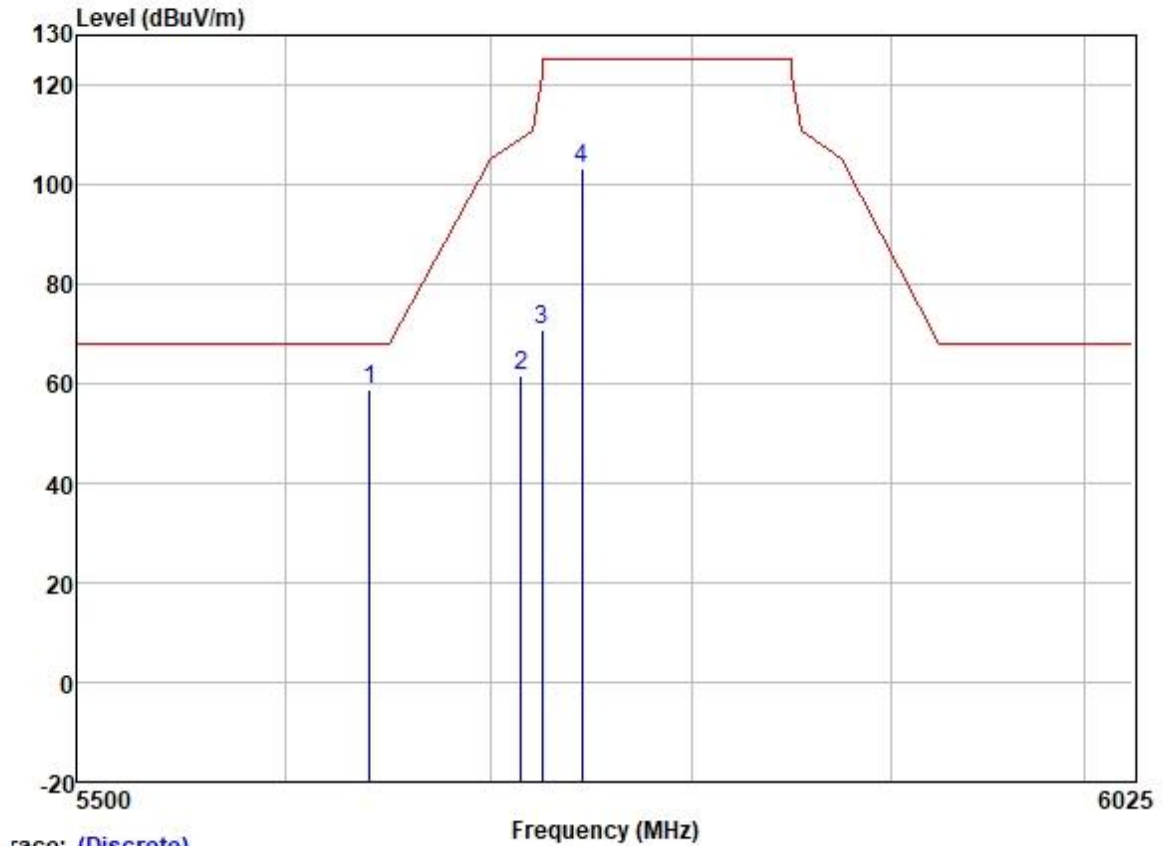
Trace: (Discrete)

	Read Freq	Antenna Level	Cable Loss	Preamp Factor	Limit Level	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dBuV/m	dBuV/m	dB	
1 *	5610.000	84.38	31.91	6.32	36.89	85.72	68.20	17.52 VERTICAL Peak
2	5754.710	58.32	32.10	6.20	36.89	59.73	68.20	-8.47 VERTICAL Peak



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Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



race: (Discrete)

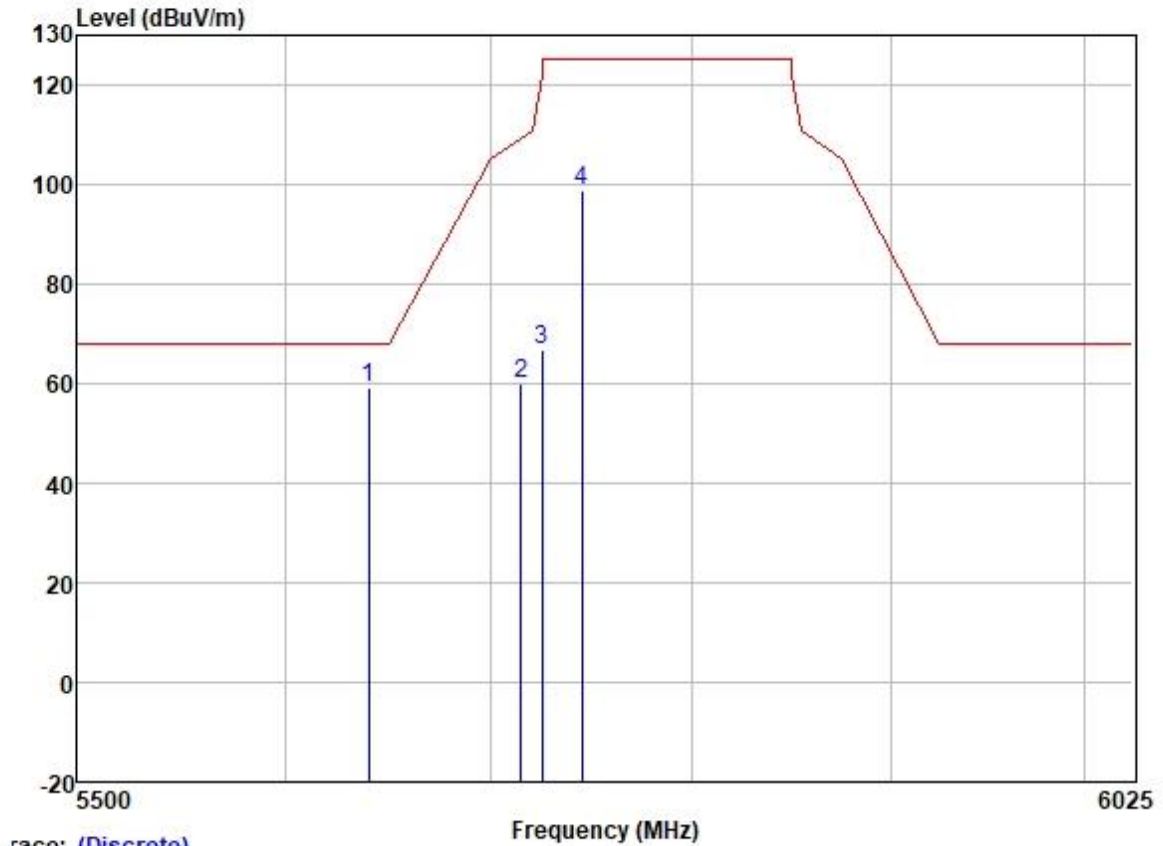
	Read Freq	Antenna Level	Cable Factor	Preamp Loss	Preamp Factor	Limit Level	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5640.830	57.47	31.95	6.35	36.89	58.88	68.20	-9.32	HORIZONTAL Peak
2	5715.000	60.27	32.04	6.33	36.89	61.75	109.40	-47.65	HORIZONTAL Peak
3	5725.000	69.33	32.07	6.25	36.89	70.76	122.20	-51.44	HORIZONTAL Peak
4	5745.000	101.83	32.10	6.20	36.89	103.24	125.20	-21.96	HORIZONTAL Peak



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Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



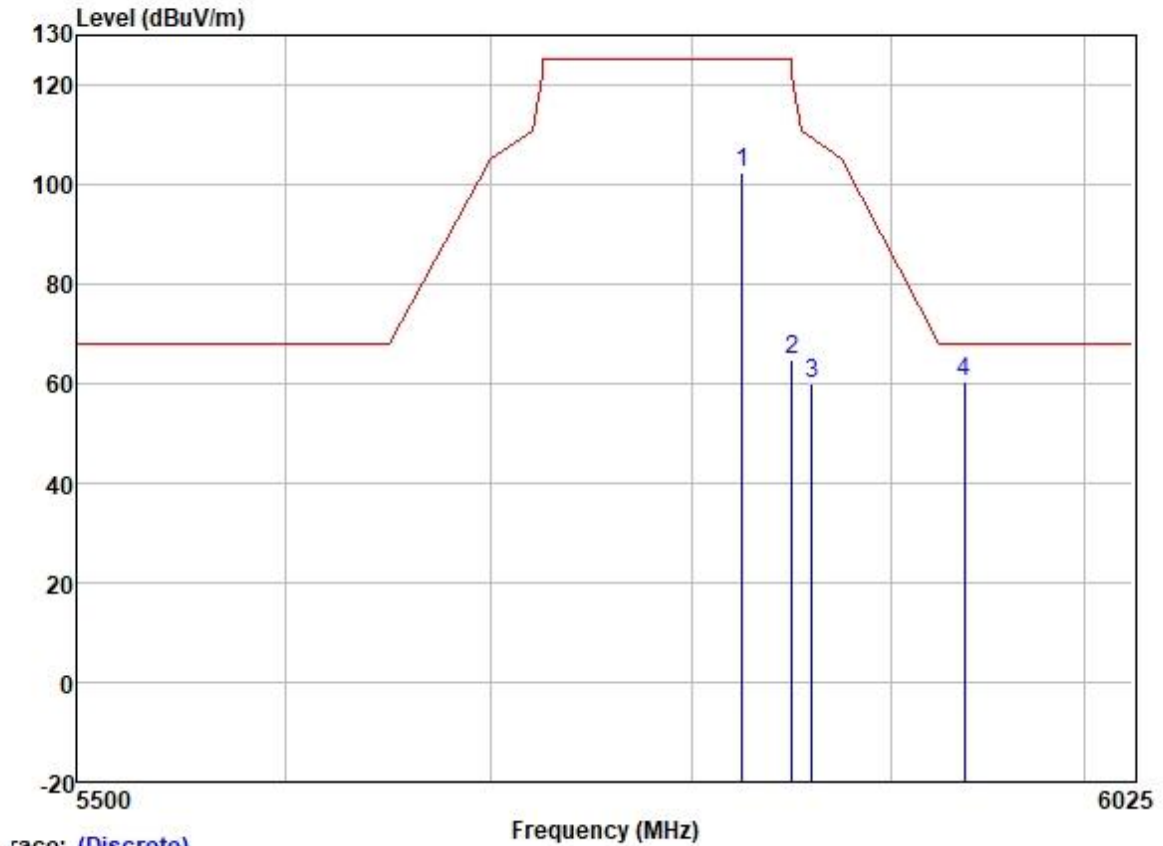
Trace: (Discrete)

	Read Freq	Antenna Level	Cable Factor	Preamp Loss	Preamp Factor	Limit Level	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5640.138	57.67	31.95	6.35	36.89	59.08	68.20	-9.12	VERTICAL Peak
2	5715.000	58.71	32.04	6.33	36.89	60.19	109.40	-49.21	VERTICAL Peak
3	5725.000	65.49	32.07	6.25	36.89	66.92	122.20	-55.28	VERTICAL Peak
4	5745.000	97.55	32.10	6.20	36.89	98.96	125.20	-26.24	VERTICAL Peak



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Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



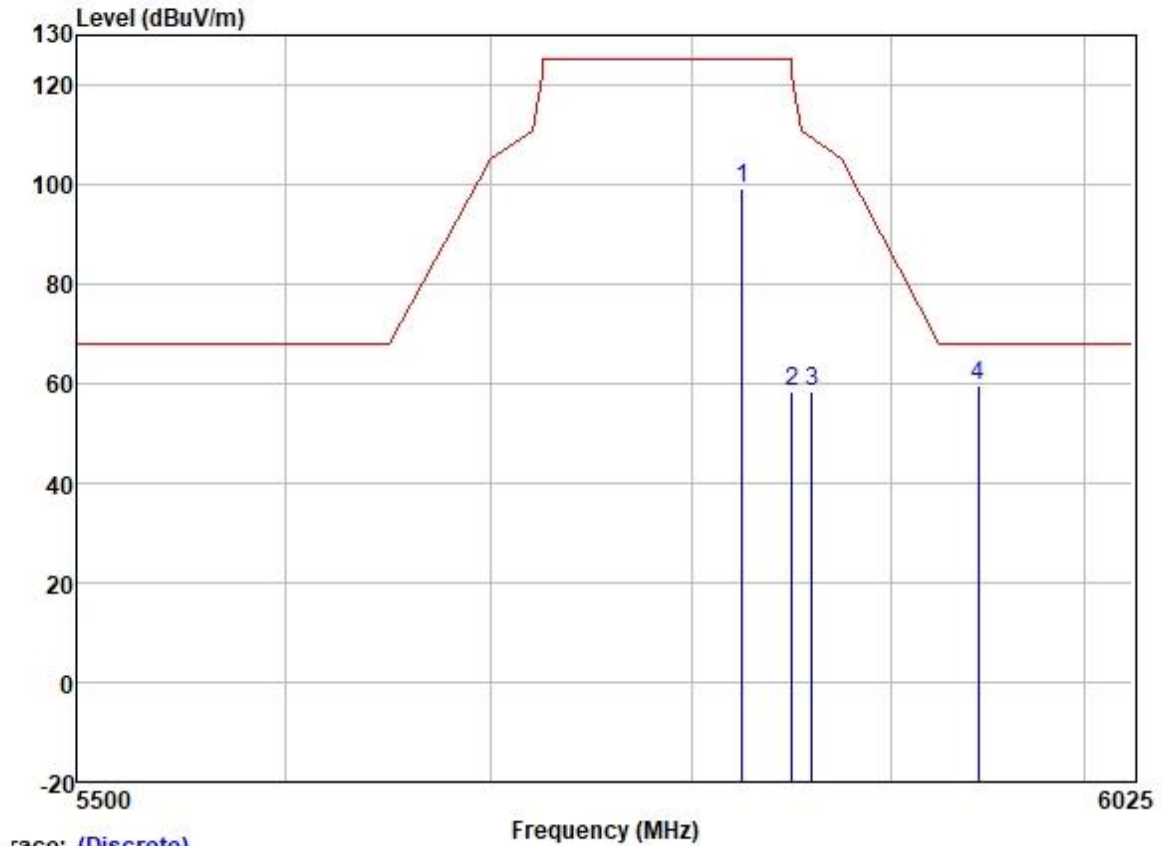
Trace: (Discrete)

	Read Freq	Antenna Level	Cable Factor	Preamp Loss	Preamp Factor	Limit Level	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dB		
1	5825.000	100.90	32.23	6.04	36.90	102.27	125.20	-22.93	HORIZONTAL Peak
2	5850.000	63.39	32.25	6.00	36.90	64.74	122.20	-57.46	HORIZONTAL Peak
3	5860.000	58.83	32.27	5.96	36.90	60.16	109.40	-49.24	HORIZONTAL Peak
4	5937.623	58.96	32.34	6.00	36.90	60.40	68.20	-7.80	HORIZONTAL Peak



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Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



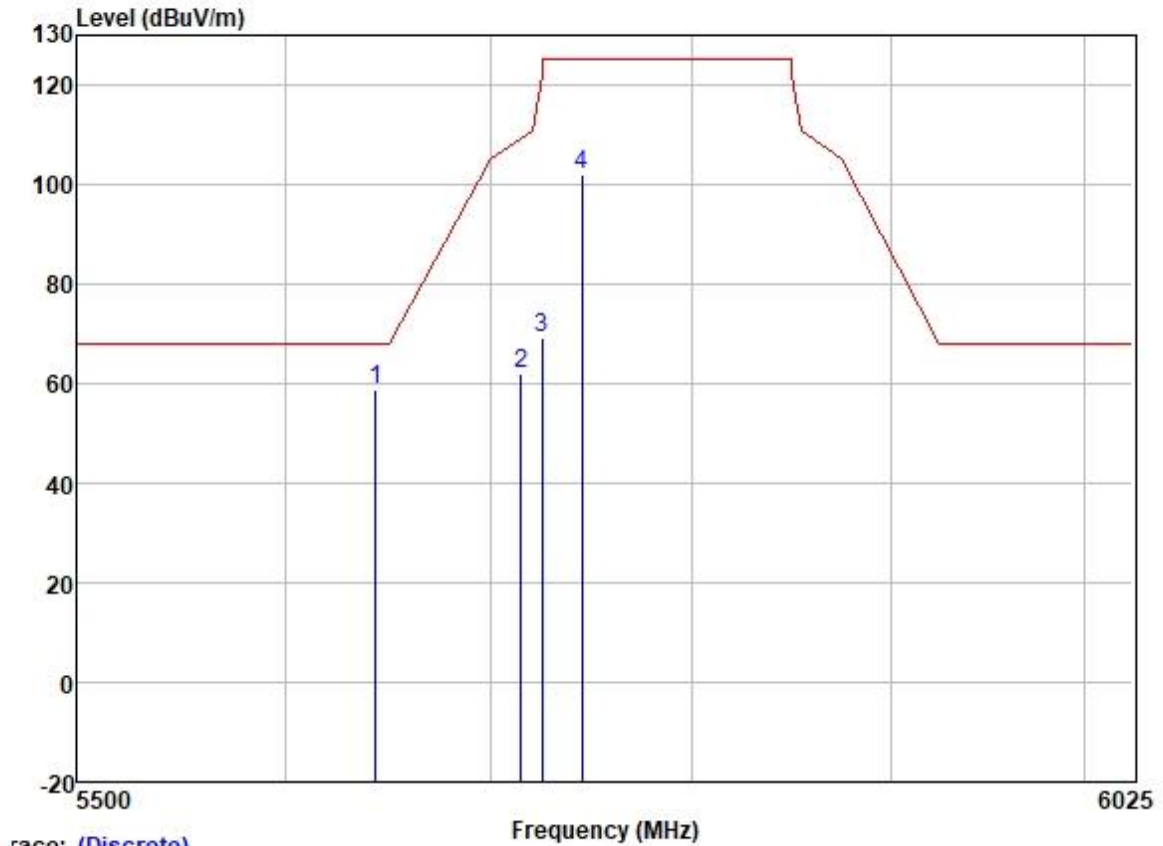
Trace: (Discrete)

	Read Freq	Antenna Level	Cable Loss	Preamp Factor	Limit Level	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dBuV/m	dBuV/m	dB	
1	5825.000	97.74	32.23	6.04	36.90	99.11	125.20	-26.09 VERTICAL Peak
2	5850.000	57.18	32.25	6.00	36.90	58.53	122.20	-63.67 VERTICAL Peak
3	5860.000	56.99	32.27	5.96	36.90	58.32	109.40	-51.08 VERTICAL Peak
4	5944.843	57.91	32.36	6.05	36.90	59.42	68.20	-8.78 VERTICAL Peak



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Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

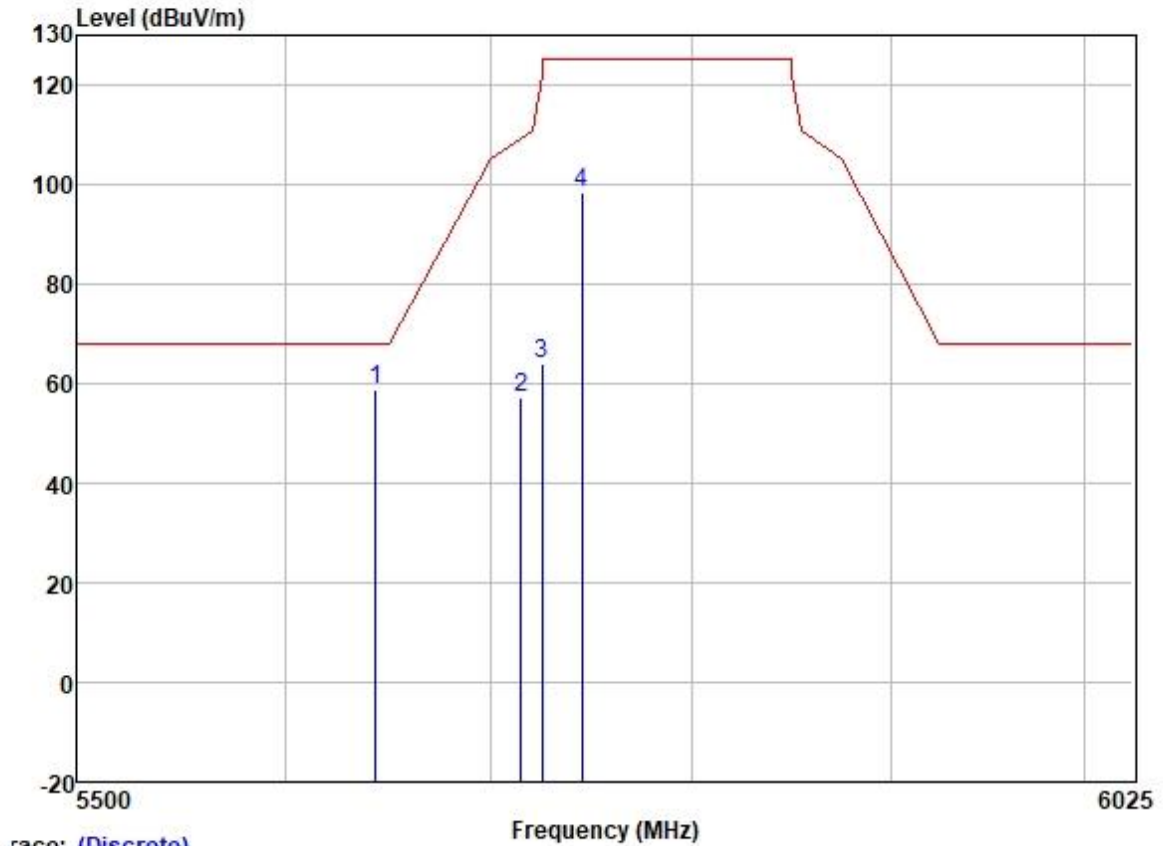
	Read Freq	Antenna Level	Cable Factor	Preamp Loss	Preamp Factor	Limit Level	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5643.735	57.32	31.95	6.35	36.89	58.73	68.20	-9.47	HORIZONTAL Peak
2	5715.000	60.35	32.04	6.33	36.89	61.83	109.40	-47.57	HORIZONTAL Peak
3	5725.000	67.58	32.07	6.25	36.89	69.01	122.20	-53.19	HORIZONTAL Peak
4	5745.000	100.47	32.10	6.20	36.89	101.88	125.20	-23.32	HORIZONTAL Peak



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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



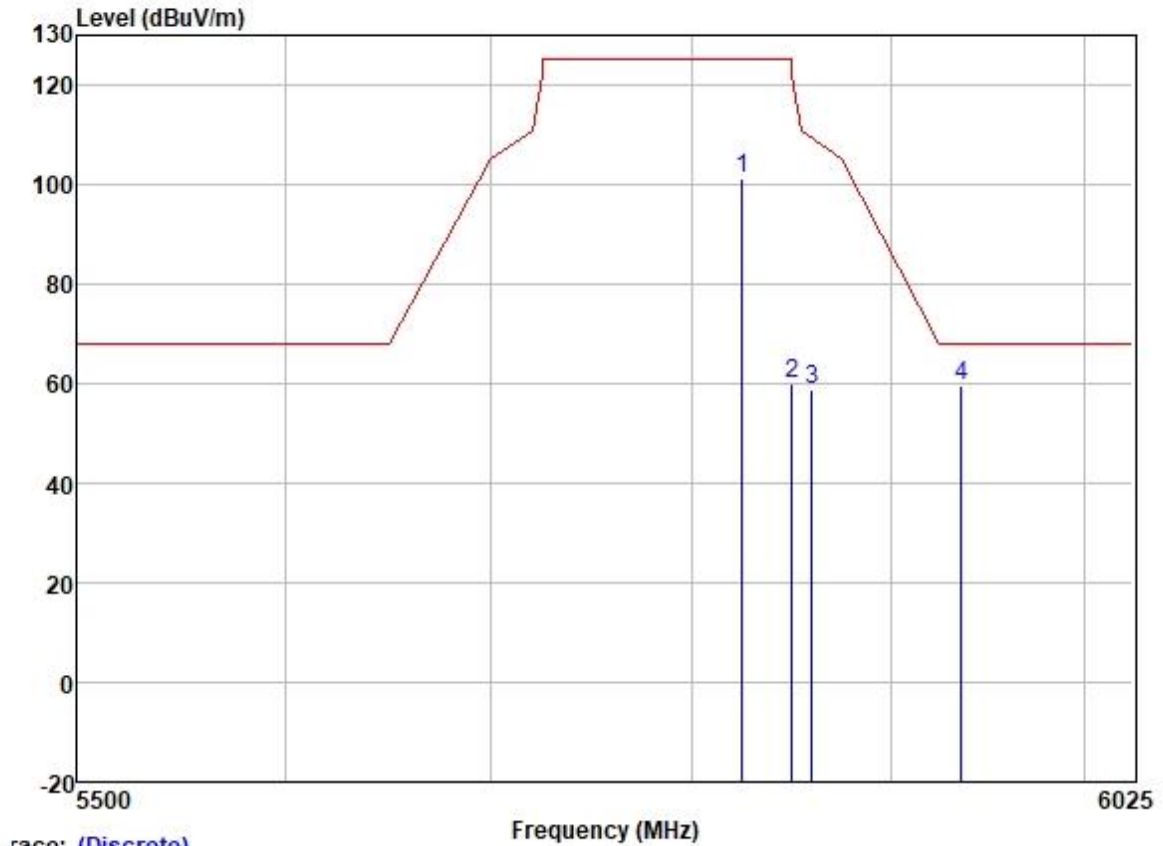
Trace: (Discrete)

	Read Freq	Antenna Level	Cable Factor	Preamp Loss	Preamp Factor	Limit Level	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5643.320	57.47	31.95	6.35	36.89	58.88	68.20	-9.32	VERTICAL Peak
2	5715.000	55.84	32.04	6.33	36.89	57.32	109.40	-52.08	VERTICAL Peak
3	5725.000	62.43	32.07	6.25	36.89	63.86	122.20	-58.34	VERTICAL Peak
4	5745.000	96.90	32.10	6.20	36.89	98.31	125.20	-26.89	VERTICAL Peak



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Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



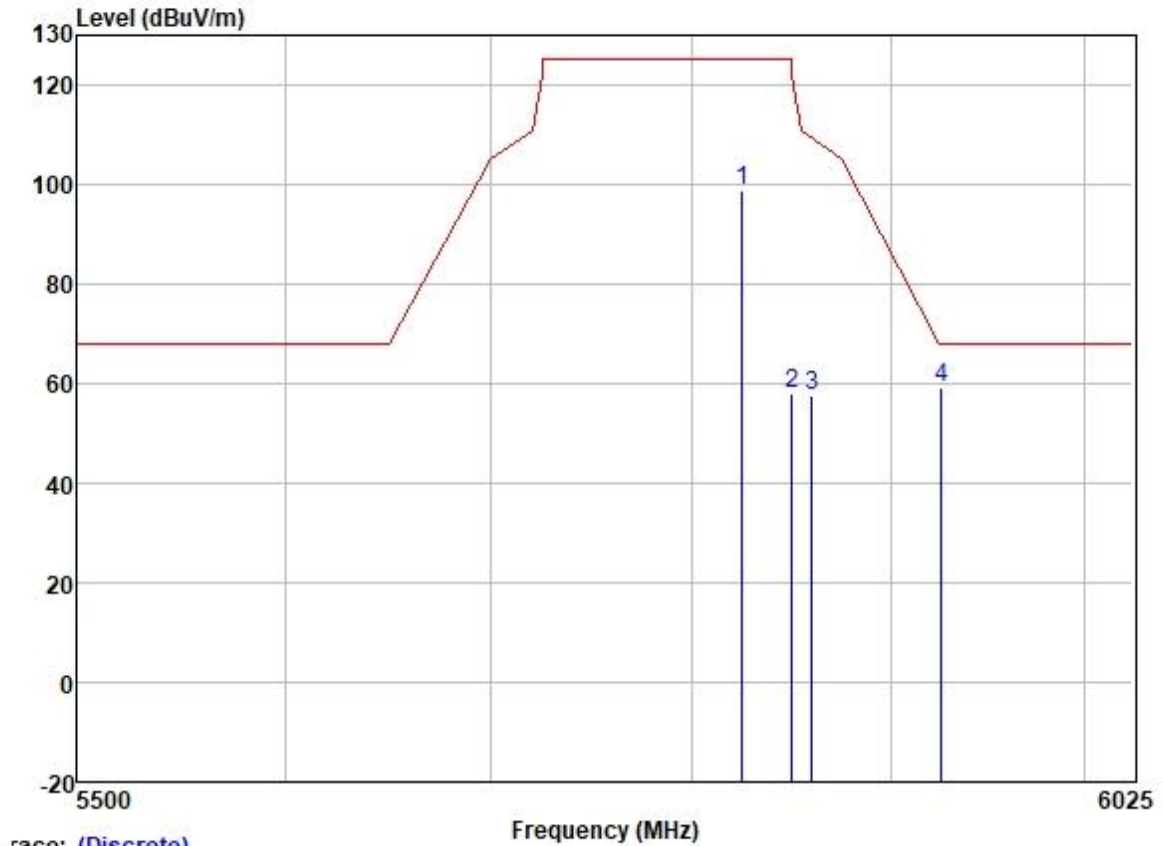
Trace: (Discrete)

	Read Freq	Antenna Level	Cable Loss	Preamp Factor	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dBuV/m	dBuV/m	dB	
1	5825.000	99.97	32.23	6.04	36.90	101.34	125.20	-23.86 HORIZONTAL Peak
2	5850.000	58.56	32.25	6.00	36.90	59.91	122.20	-62.29 HORIZONTAL Peak
3	5860.000	57.31	32.27	5.96	36.90	58.64	109.40	-50.76 HORIZONTAL Peak
4	5936.525	58.10	32.34	6.00	36.90	59.54	68.20	-8.66 HORIZONTAL Peak



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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



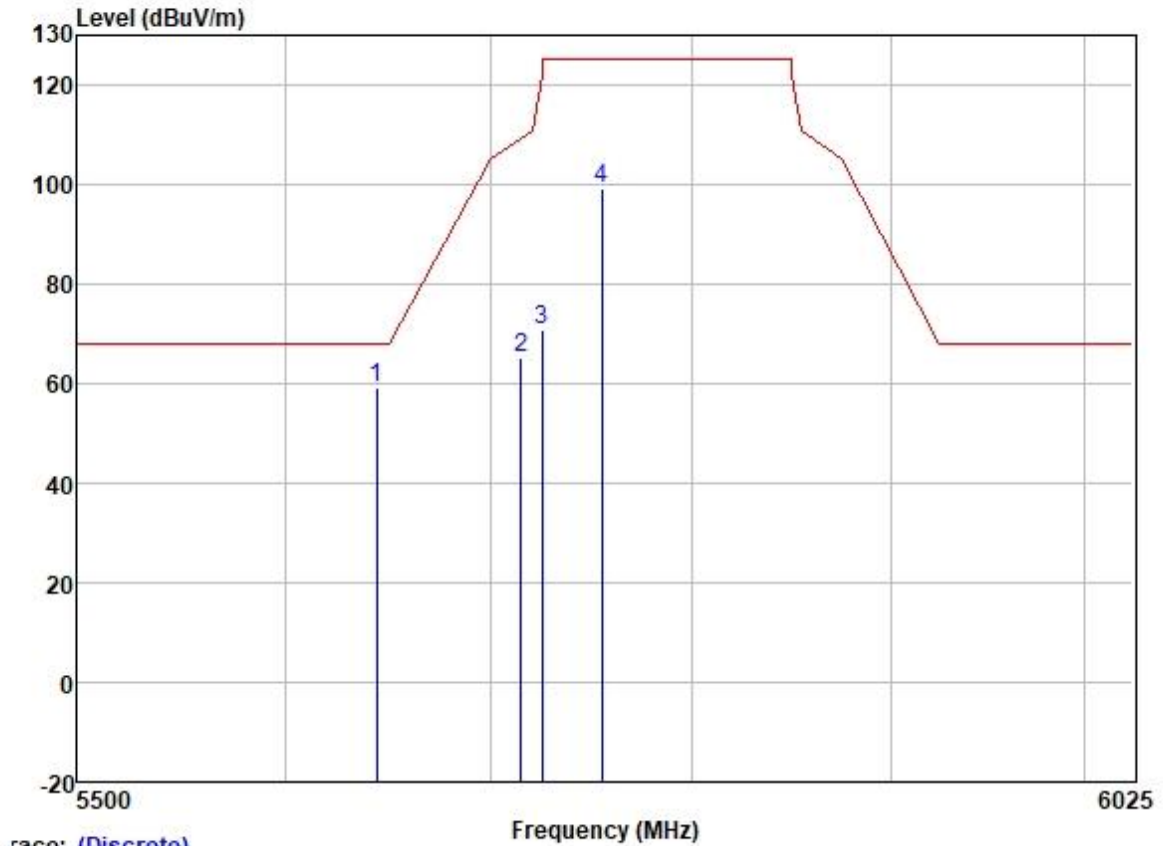
Trace: (Discrete)

	Read Freq	Antenna Level	Cable Loss	Preamp Factor	Limit Level	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dBuV/m	dBuV/m	dB	
1	5825.000	97.25	32.23	6.04	36.90	98.62	125.20	-26.58 VERTICAL Peak
2	5850.000	56.79	32.25	6.00	36.90	58.14	122.20	-64.06 VERTICAL Peak
3	5860.000	56.27	32.27	5.96	36.90	57.60	109.40	-51.80 VERTICAL Peak
4	5925.870	57.59	32.34	6.00	36.90	59.03	68.20	-9.17 VERTICAL Peak



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Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Trace: (Discrete)

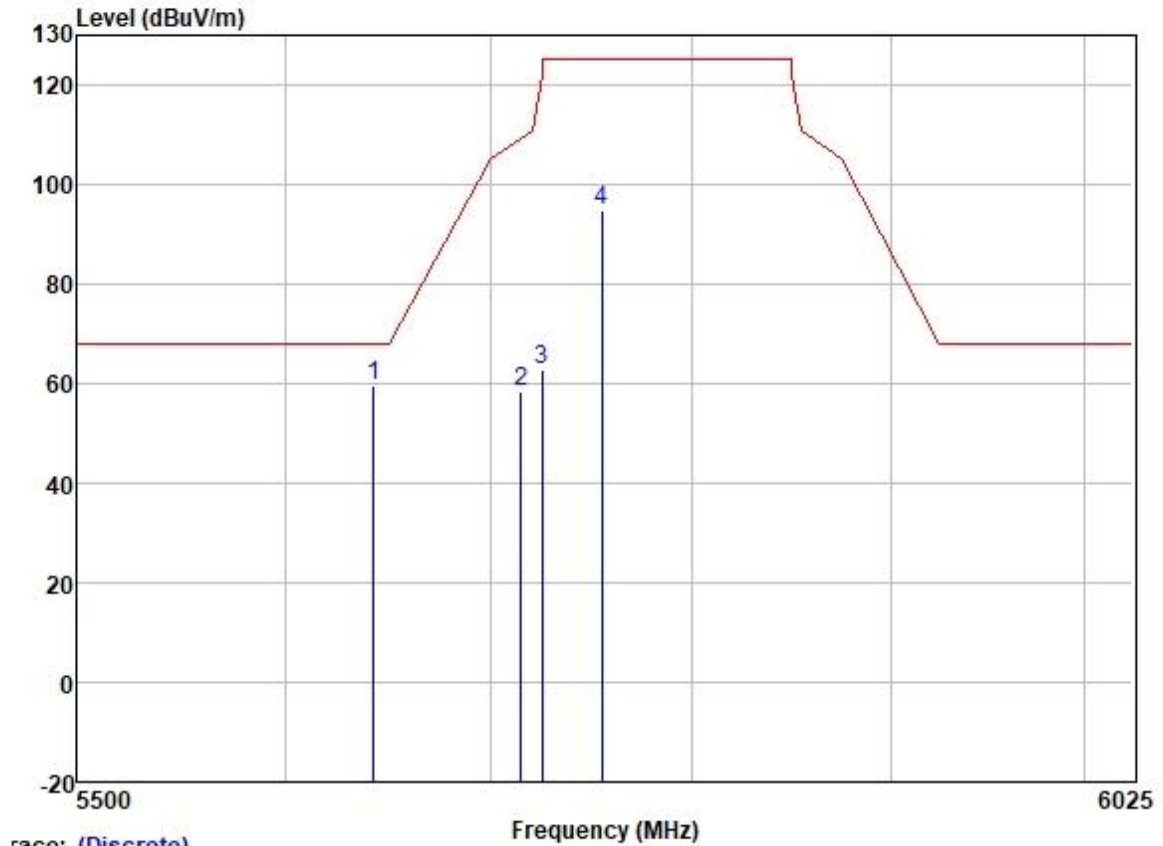
	Read Freq	Antenna Level	Cable Factor	Preamp Loss	Preamp Factor	Limit Level	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5643.824	57.60	31.95	6.35	36.89	59.01	68.20	-9.19	HORIZONTAL Peak
2	5715.000	63.91	32.04	6.33	36.89	65.39	109.40	-44.01	HORIZONTAL Peak
3	5725.000	69.39	32.07	6.25	36.89	70.82	122.20	-51.38	HORIZONTAL Peak
4	5755.000	97.91	32.10	6.20	36.89	99.32	125.20	-25.88	HORIZONTAL Peak



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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



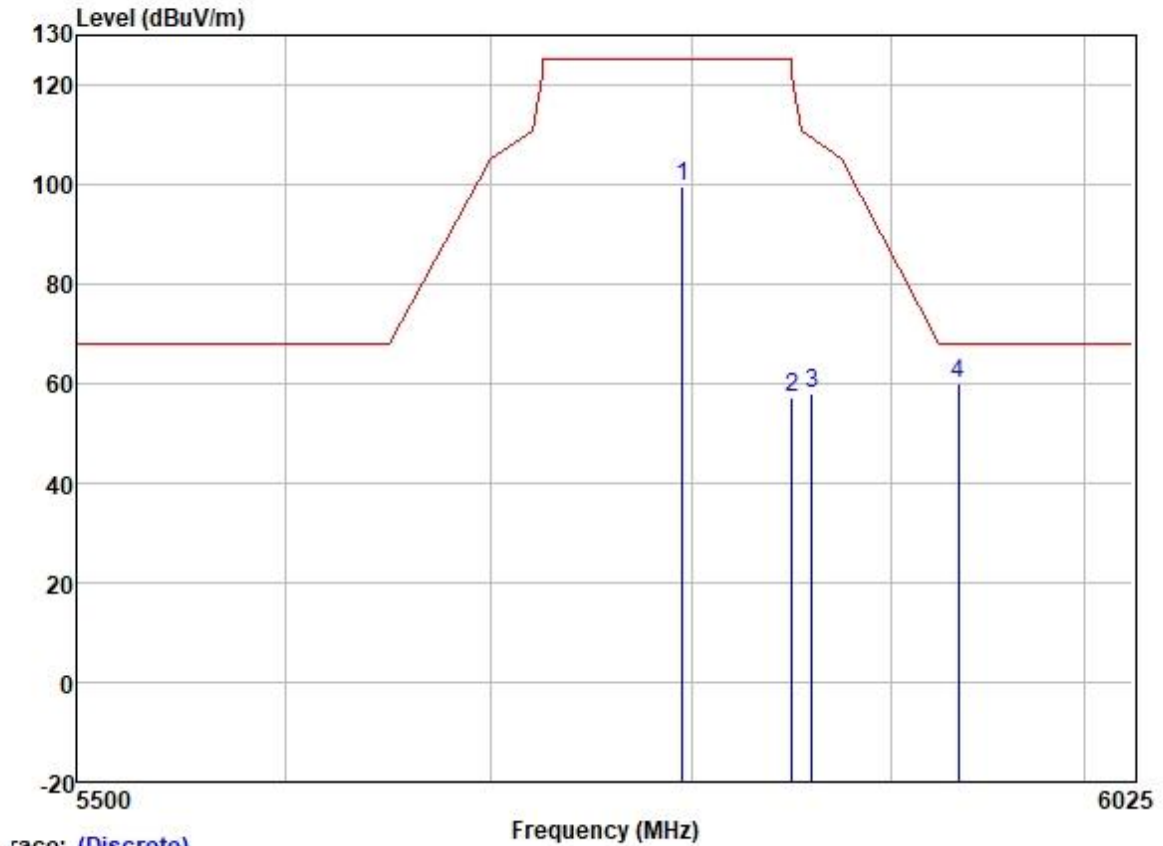
Trace: (Discrete)

	Read Freq	Antenna Level	Cable Loss	Preamp Factor	Limit Level	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dBuV/m	dBuV/m	dB	
1	5642.447	58.21	31.95	6.35	36.89	59.62	68.20	-8.58 VERTICAL Peak
2	5715.000	56.86	32.04	6.33	36.89	58.34	109.40	-51.06 VERTICAL Peak
3	5725.000	61.37	32.07	6.25	36.89	62.80	122.20	-59.40 VERTICAL Peak
4	5755.000	93.26	32.10	6.20	36.89	94.67	125.20	-30.53 VERTICAL Peak



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Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



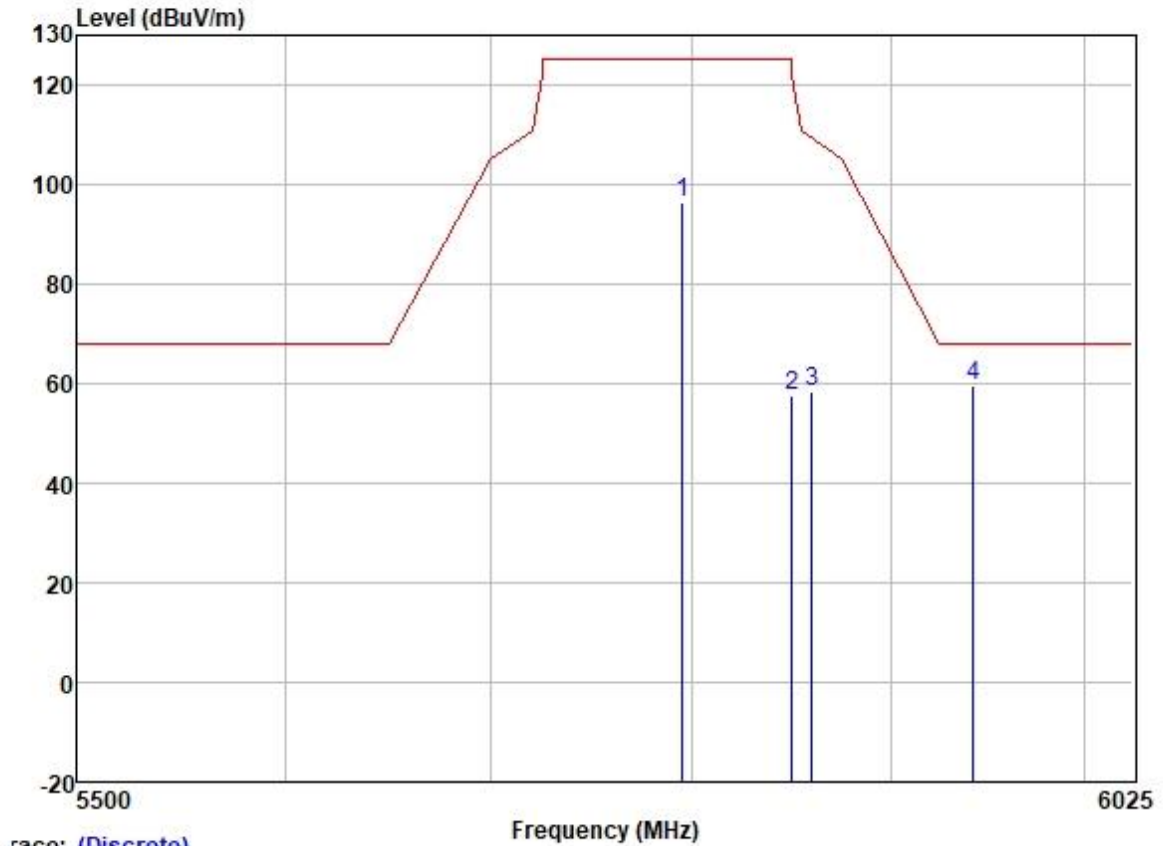
Trace: (Discrete)

	Read Freq	Antenna Level	Cable Factor	Preamp Loss	Preamp Factor	Limit Level	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5795.000	98.04	32.19	6.10	36.89	99.44	125.20	-25.76	HORIZONTAL Peak
2	5850.000	55.89	32.25	6.00	36.90	57.24	122.20	-64.96	HORIZONTAL Peak
3	5860.000	56.56	32.27	5.96	36.90	57.89	109.40	-51.51	HORIZONTAL Peak
4	5934.836	58.61	32.34	6.00	36.90	60.05	68.20	-8.15	HORIZONTAL Peak



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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



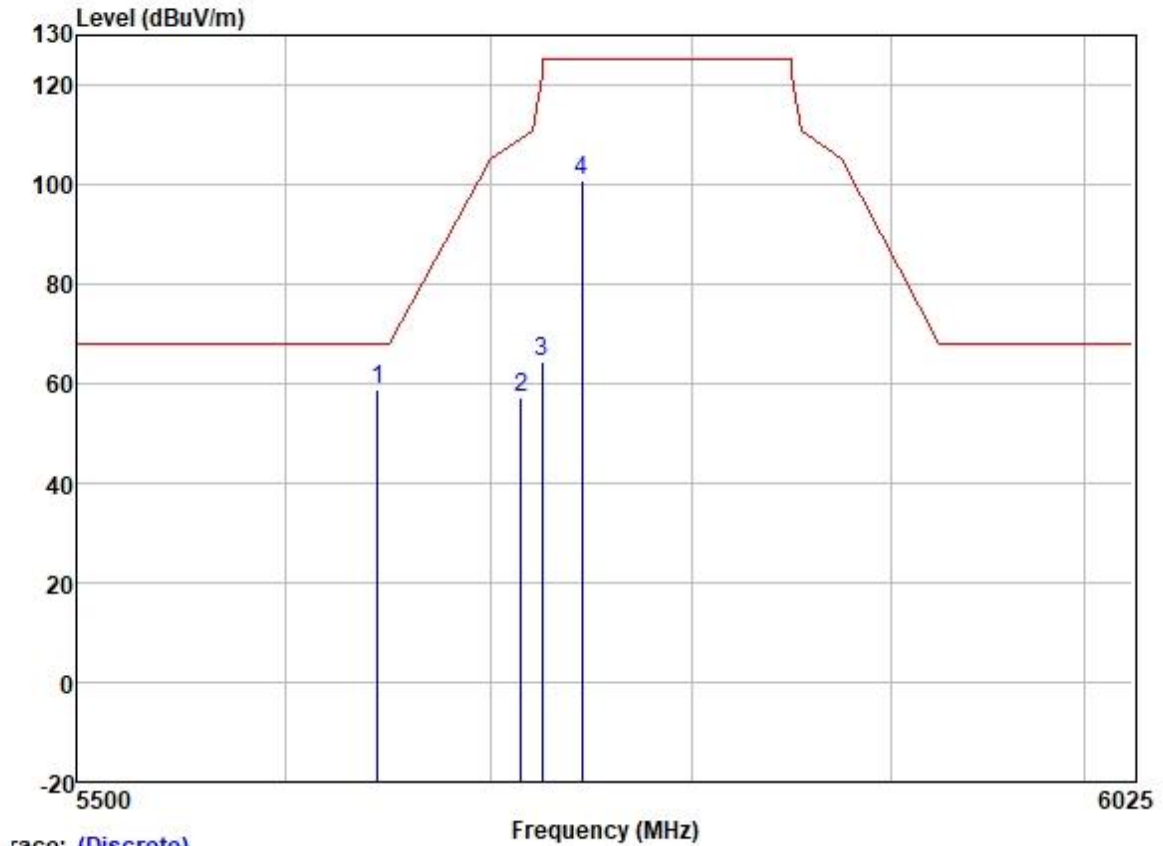
Trace: (Discrete)

	Read Freq	Antenna Level	Cable Factor	Preamp Loss	Preamp Factor	Limit Level	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dB		
1	5795.000	95.13	32.19	6.10	36.89	96.53	125.20	-28.67	VERTICAL Peak
2	5850.000	56.38	32.25	6.00	36.90	57.73	122.20	-64.47	VERTICAL Peak
3	5860.000	57.00	32.27	5.96	36.90	58.33	109.40	-51.07	VERTICAL Peak
4	5942.559	58.25	32.36	6.05	36.90	59.76	68.20	-8.44	VERTICAL Peak



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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

	Read Freq	Antenna Level	Cable Factor	Preamp Loss	Preamp Factor	Limit Level	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5644.704	57.40	31.95	6.35	36.89	58.81	68.20	-9.39	HORIZONTAL Peak
2	5715.000	55.65	32.04	6.33	36.89	57.13	109.40	-52.27	HORIZONTAL Peak
3	5725.000	63.11	32.07	6.25	36.89	64.54	122.20	-57.66	HORIZONTAL Peak
4	5745.000	99.43	32.10	6.20	36.89	100.84	125.20	-24.36	HORIZONTAL Peak

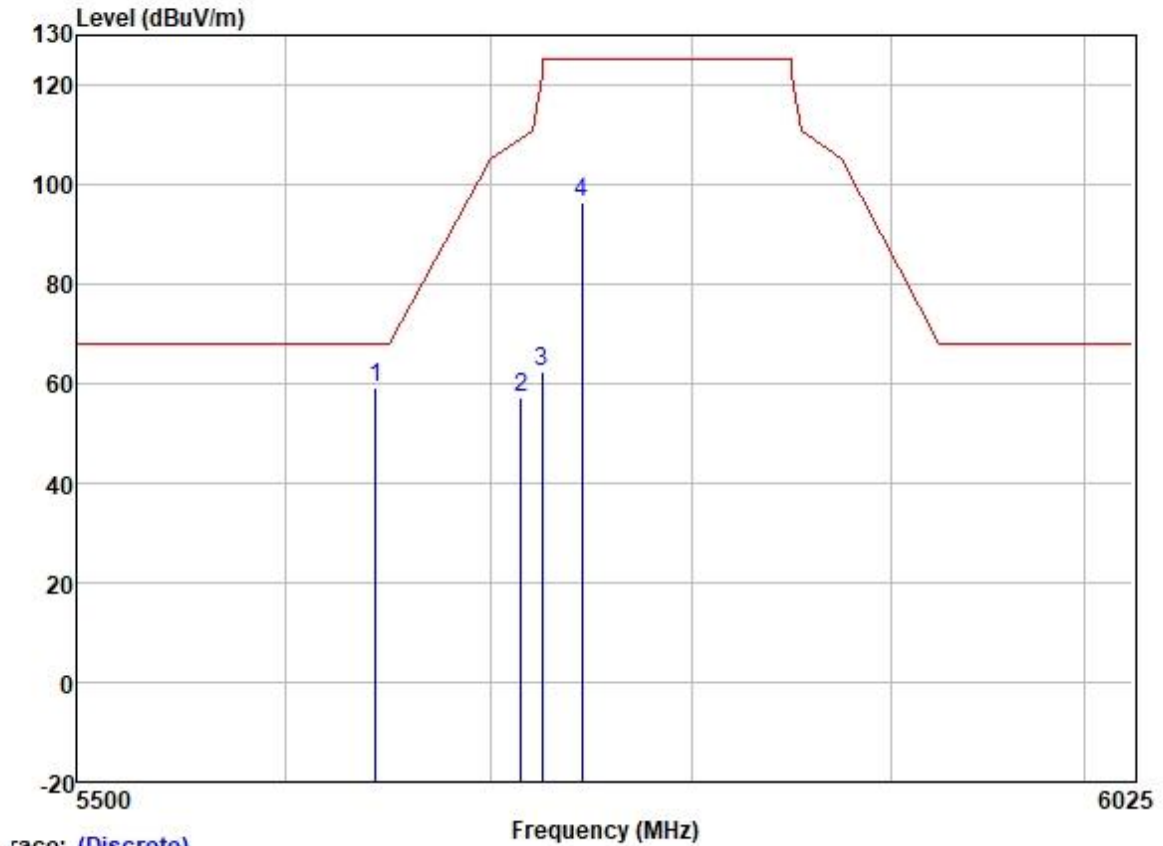


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 中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com



Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



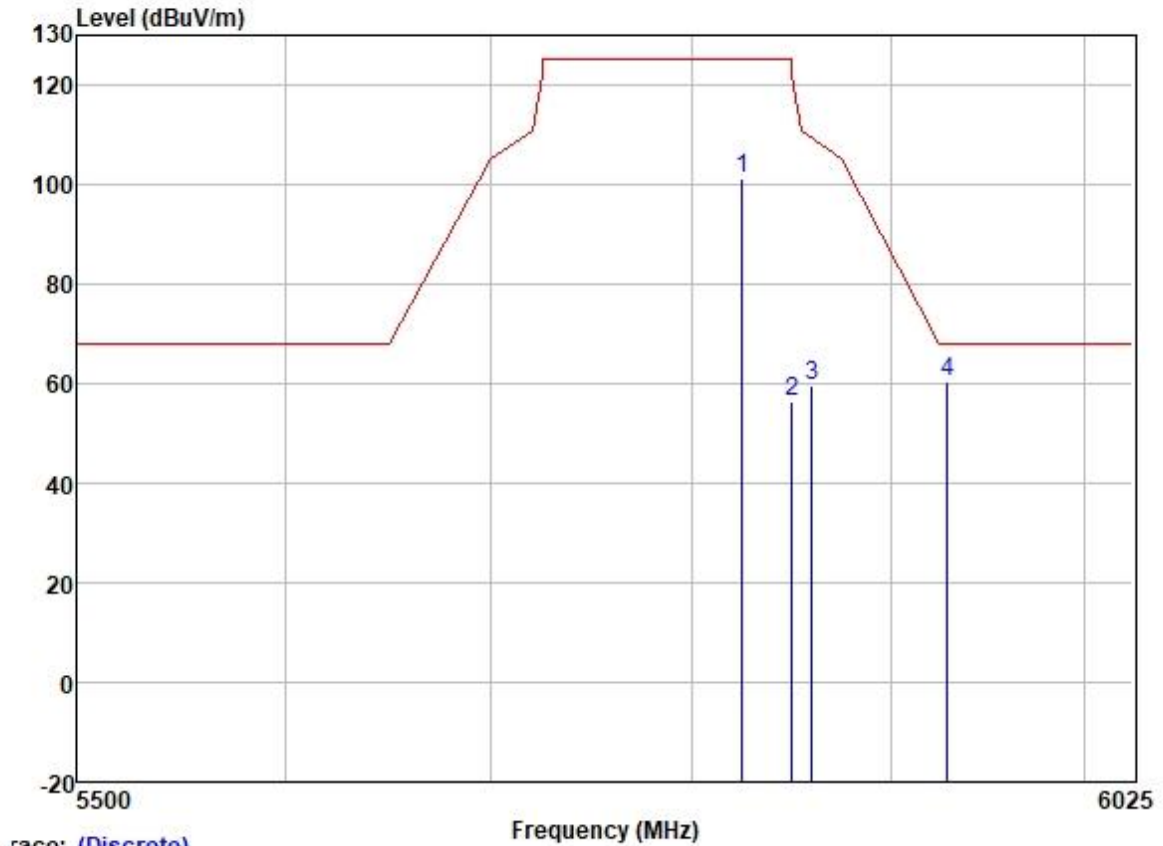
Trace: (Discrete)

	Read Freq	Antenna Level	Cable Factor	Preamp Loss	Preamp Factor	Limit Level	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5643.597	57.83	31.95	6.35	36.89	59.24	68.20	-8.96	VERTICAL Peak
2	5715.000	55.69	32.04	6.33	36.89	57.17	109.40	-52.23	VERTICAL Peak
3	5725.000	60.81	32.07	6.25	36.89	62.24	122.20	-59.96	VERTICAL Peak
4	5745.000	94.92	32.10	6.20	36.89	96.33	125.20	-28.87	VERTICAL Peak



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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



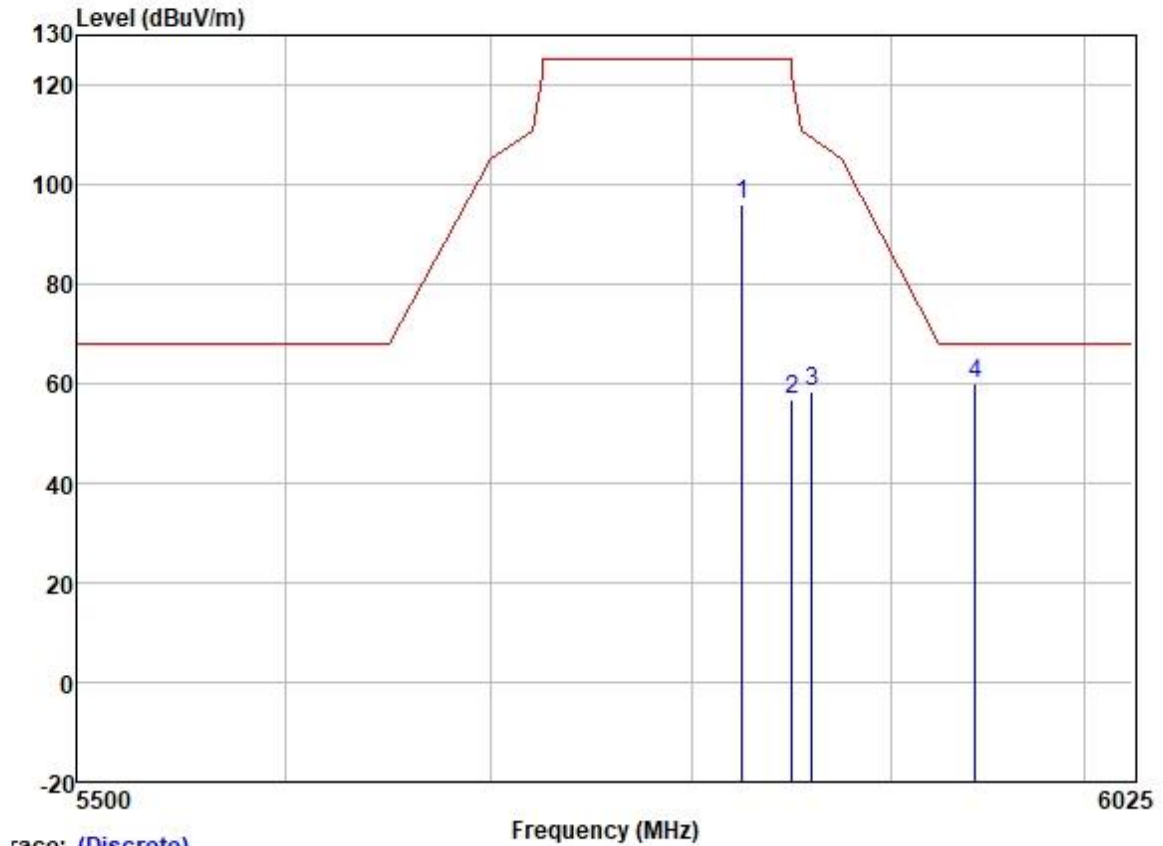
Trace: (Discrete)

	Read Freq	Antenna Level	Cable Factor	Preamp Loss	Preamp Factor	Limit Level	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5825.000	99.79	32.23	6.04	36.90	101.16	125.20	-24.04	HORIZONTAL Peak
2	5850.000	55.24	32.25	6.00	36.90	56.59	122.20	-65.61	HORIZONTAL Peak
3	5860.000	58.17	32.27	5.96	36.90	59.50	109.40	-49.90	HORIZONTAL Peak
4	5929.158	58.85	32.34	6.00	36.90	60.29	68.20	-7.91	HORIZONTAL Peak



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Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



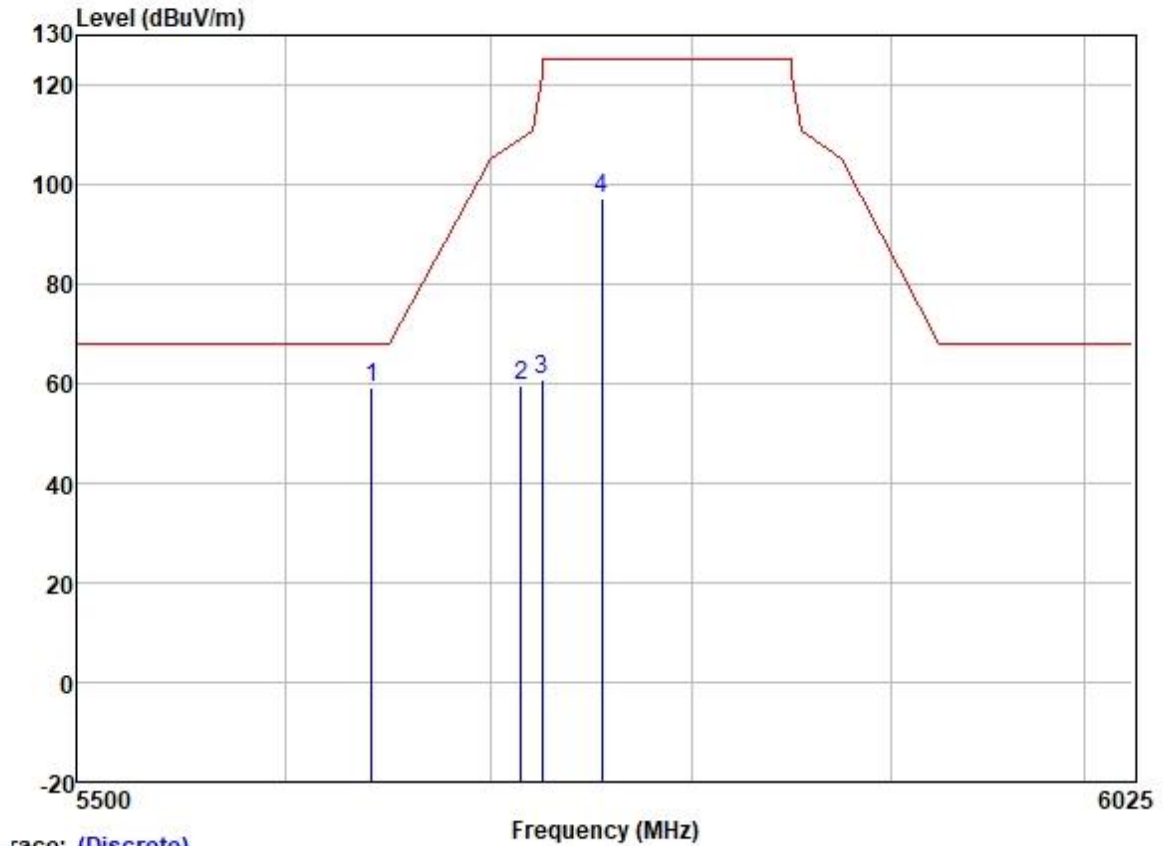
Trace: (Discrete)

	Read Freq	Antenna Level	Cable Factor	Preamp Loss	Preamp Factor	Limit Level	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5825.000	94.69	32.23	6.04	36.90	96.06	125.20	-29.14	VERTICAL Peak
2	5850.000	55.45	32.25	6.00	36.90	56.80	122.20	-65.40	VERTICAL Peak
3	5860.000	56.97	32.27	5.96	36.90	58.30	109.40	-51.10	VERTICAL Peak
4	5943.586	58.31	32.36	6.05	36.90	59.82	68.20	-8.38	VERTICAL Peak



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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Trace: (Discrete)

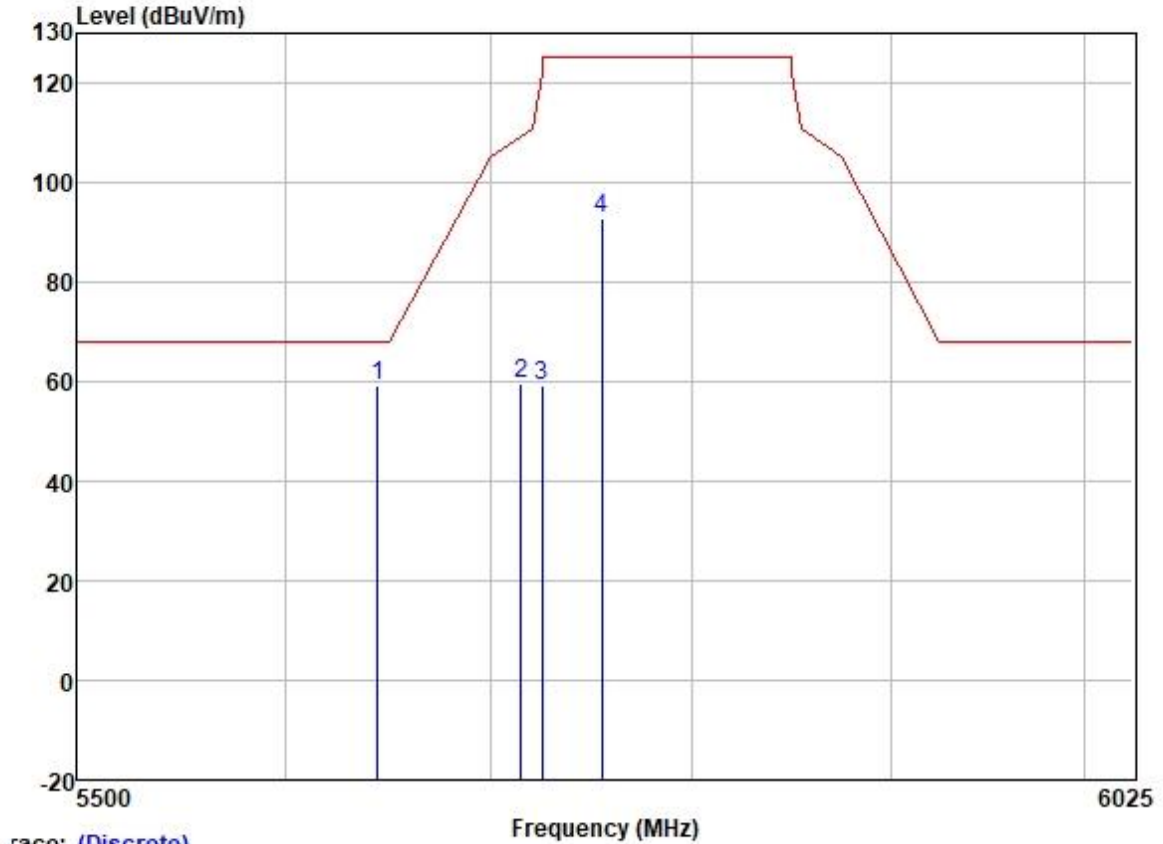
	Read Freq	Antenna Level	Cable Factor	Preamp Loss	Preamp Factor	Limit Level	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5641.682	57.86	31.95	6.35	36.89	59.27	68.20	-8.93	HORIZONTAL Peak
2	5715.000	58.16	32.04	6.33	36.89	59.64	109.40	-49.76	HORIZONTAL Peak
3	5725.000	59.53	32.07	6.25	36.89	60.96	122.20	-61.24	HORIZONTAL Peak
4	5755.000	95.93	32.10	6.20	36.89	97.34	125.20	-27.86	HORIZONTAL Peak



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Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



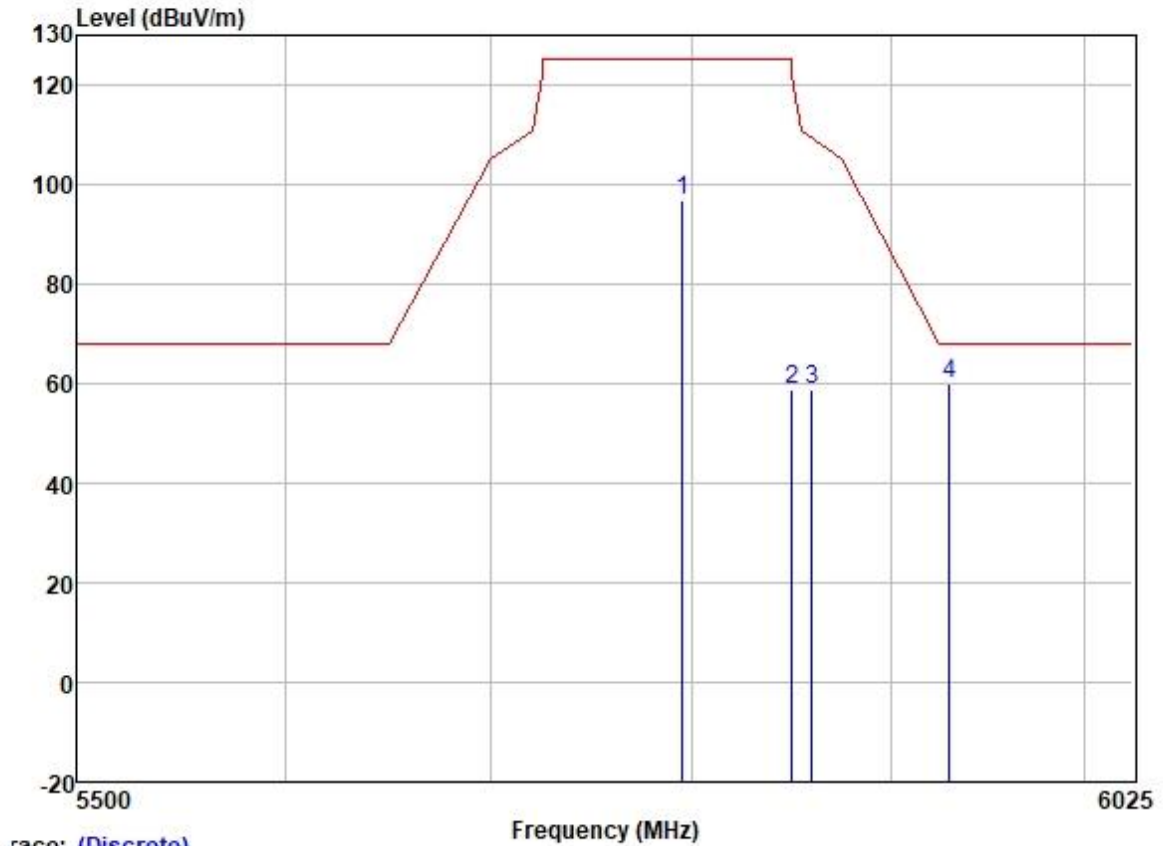
Trace: (Discrete)

	Read	Antenna	Cable	Preamp	Limit	Over				
Freq	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark		
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1	5644.436	57.89	31.95	6.35	36.89	59.30	68.20	-8.90	VERTICAL	Peak
2	5715.000	58.03	32.04	6.33	36.89	59.51	109.40	-49.89	VERTICAL	Peak
3	5725.000	57.70	32.07	6.25	36.89	59.13	122.20	-63.07	VERTICAL	Peak
4	5755.000	91.44	32.10	6.20	36.89	92.85	125.20	-32.35	VERTICAL	Peak



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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



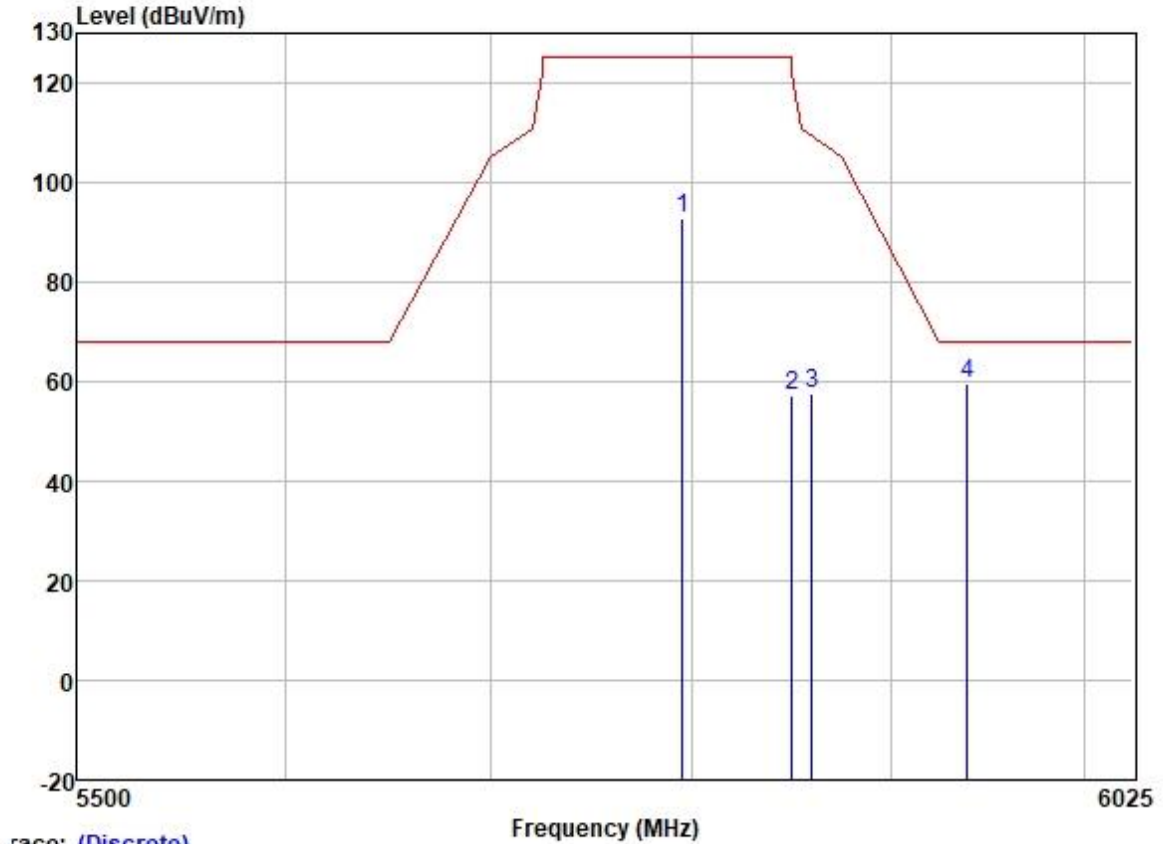
Trace: (Discrete)

	Read	Antenna	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	5795.000	95.38	32.19	6.10	36.89	96.78	125.20	-28.42	HORIZONTAL	Peak
2	5850.000	57.63	32.25	6.00	36.90	58.98	122.20	-63.22	HORIZONTAL	Peak
3	5860.000	57.64	32.27	5.96	36.90	58.97	109.40	-50.43	HORIZONTAL	Peak
4	5929.964	58.70	32.34	6.00	36.90	60.14	68.20	-8.06	HORIZONTAL	Peak



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Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



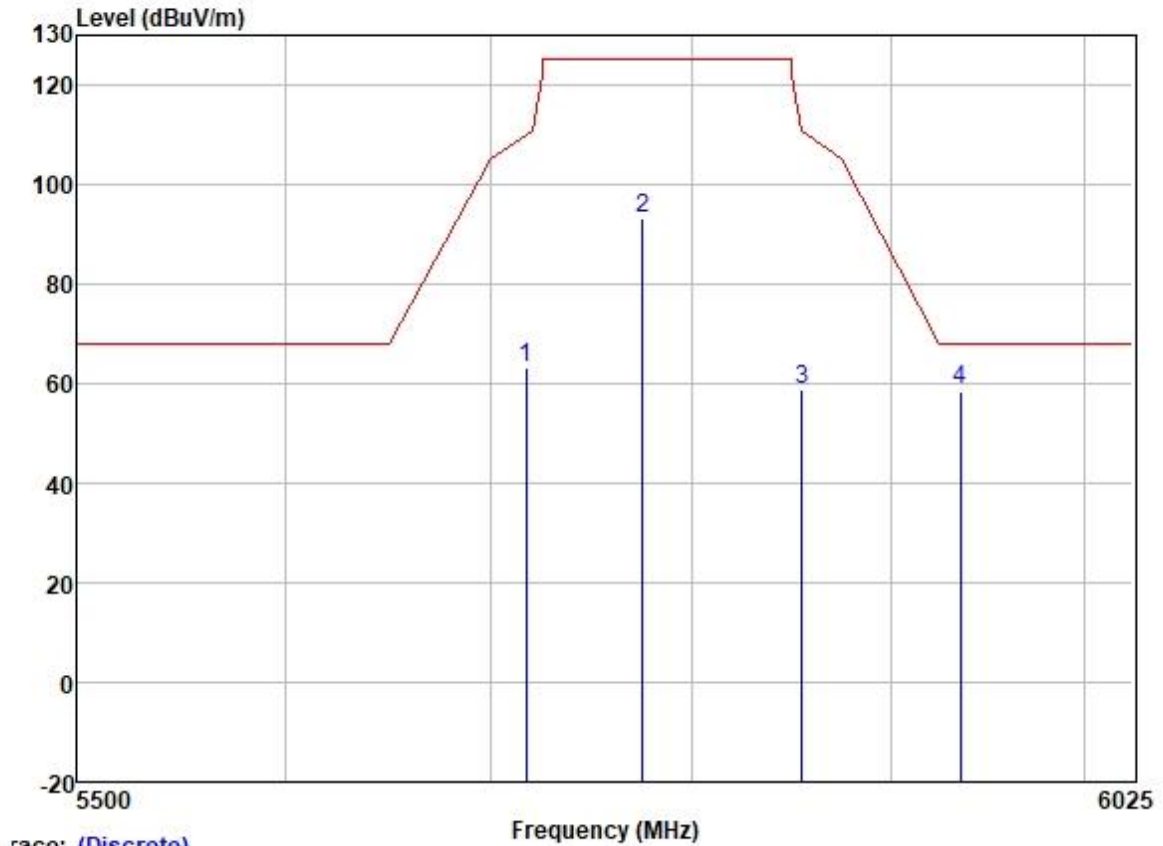
Trace: (Discrete)

	Read Freq	Antenna Level	Cable Factor	Preamp Loss	Preamp Factor	Limit Level	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5795.000	91.24	32.19	6.10	36.89	92.64	125.20	-32.56	VERTICAL Peak
2	5850.000	55.90	32.25	6.00	36.90	57.25	122.20	-64.95	VERTICAL Peak
3	5860.000	56.21	32.27	5.96	36.90	57.54	109.40	-51.86	VERTICAL Peak
4	5939.510	58.30	32.34	6.00	36.90	59.74	68.20	-8.46	VERTICAL Peak



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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Trace: (Discrete)

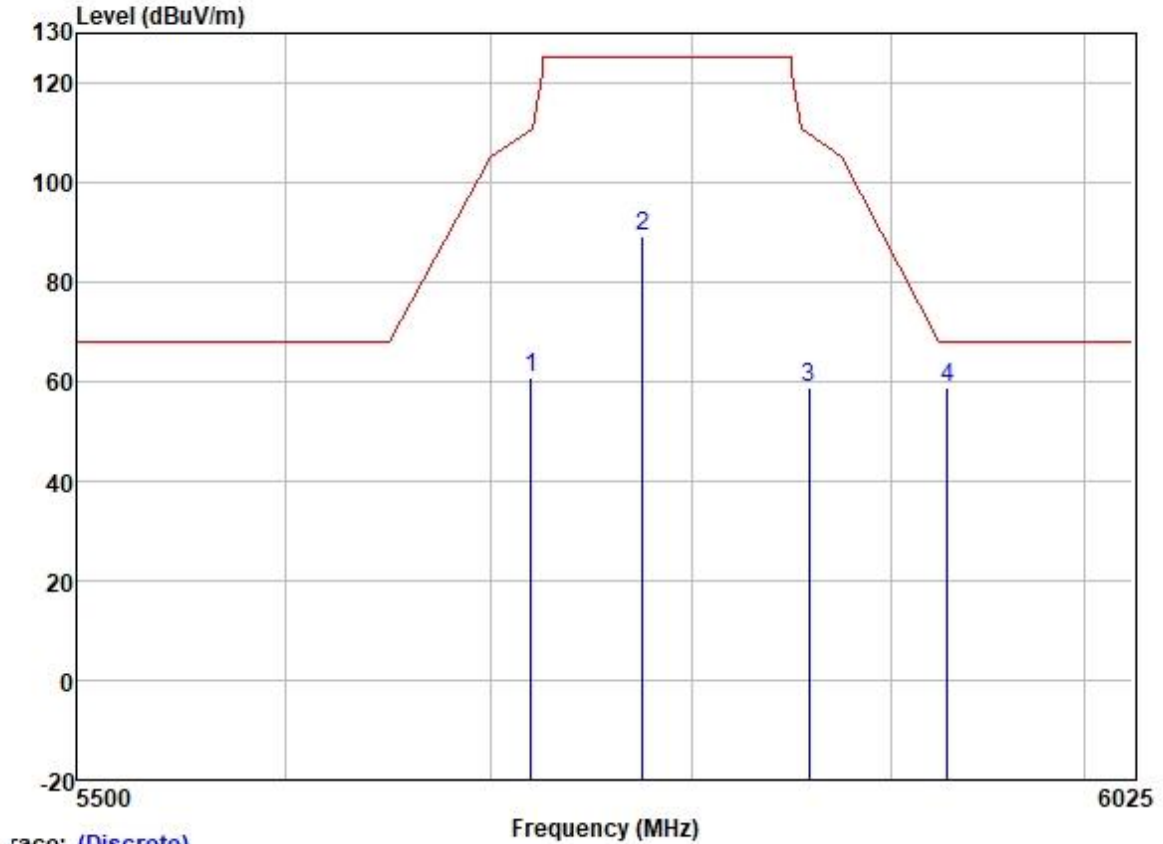
	Read Freq	Antenna Level	Cable Factor	Preamp Loss	Preamp Factor	Limit Level	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dB		
1	5717.159	61.54	32.04	6.33	36.89	63.02	110.01	-46.99	HORIZONTAL Peak
2	5775.000	91.85	32.16	6.10	36.89	93.22	125.20	-31.98	HORIZONTAL Peak
3	5855.199	57.49	32.25	6.00	36.90	58.84	110.74	-51.90	HORIZONTAL Peak
4	5935.927	57.16	32.34	6.00	36.90	58.60	68.20	-9.60	HORIZONTAL Peak



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Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Trace: (Discrete)

	Read	Antenna	Cable	Preamp	Limit	Over				
Freq	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark		
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1	5719.870	59.35	32.04	6.33	36.89	60.83	110.76	-49.93	VERTICAL	Peak
2	5775.000	87.92	32.16	6.10	36.89	89.29	125.20	-35.91	VERTICAL	Peak
3	5858.592	57.64	32.27	5.96	36.90	58.97	109.79	-50.82	VERTICAL	Peak
4	5929.053	57.27	32.34	6.00	36.90	58.71	68.20	-9.49	VERTICAL	Peak



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**7.9 Frequency Stability**

Test Requirement 47 CFR Part 15, Subpart C 15.407 (g)  
 Test Method: ANSI C63.10 (2013) Section 6.8

**7.9.1 E.U.T. Operation**

Operating Environment:  
 Temperature: 23.4 °C Humidity: 48.9 % RH Atmospheric Pressure: 1003 mbar

**7.9.2 Test Mode Description**

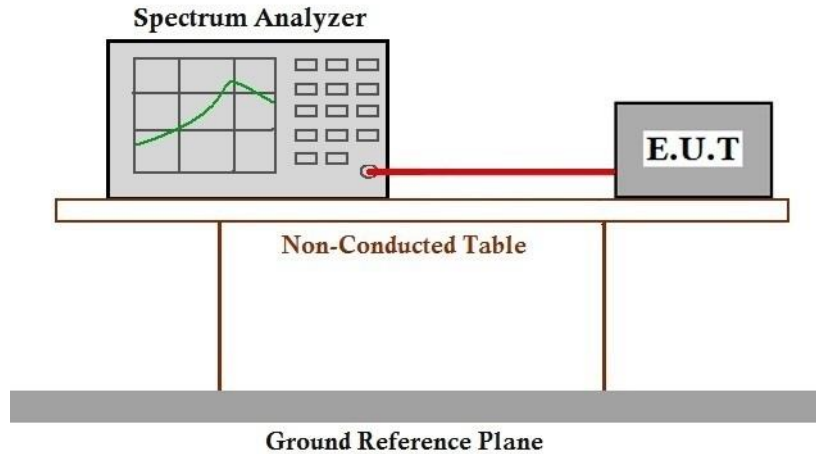
Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst 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	01	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	02	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	03	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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### 7.9.3 Test Setup Diagram



### 7.9.4 Measurement Procedure and Data

The applicant declares that the emissions are maintained within the band of operation under all conditions of normal operation as specified in the user's manual and meets Section 15.407(g) requirements.



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**7.10 Non-occupancy period**

Test Requirement KDB 905462 D02 Section 5.1  
 Test Method: KDB 905462 D02 Section 7.8.3  
 Limit:

Test item	Limit	Applicability	
		Master Device or client with Radar Detection	Client without Radar Detection
Non-occupancy period	Minimum 30 minutes	Yes	Not required
Channel Availability Check Time	60 seconds	Yes	Not required
Channel Move Time	10 seconds See Note 1.	Yes	Yes
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.	Yes	Yes
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.	Yes	Not required

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.



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### 7.10.1 E.U.T. Operation

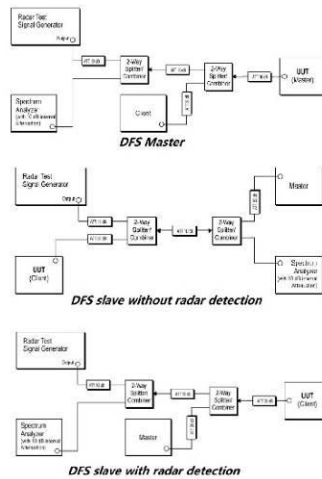
Operating Environment:

Temperature: 23.4 °C Humidity: 48.9 % RH Atmospheric Pressure: 1003 mbar

### 7.10.2 Test Mode Description

Pre-scan / Mode	Description
Final test Code	
Final test 04	Normal operating_Keep the EUT communication with the companion device.

### 7.10.3 Test Setup Diagram



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**7.10.4 Measurement Procedure and Data**

- 1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.
- 2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.
- 3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.
- 4) EUT will associate with the master at channel. The file "iperf.exe" specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.
- 5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.
- 6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.
- 7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by:  $Dwell (0.3ms) = S (12000ms) / B (4000)$ ; where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by:  $C (ms) = N \times Dwell (0.3ms)$ ; where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.
- 8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

Please Refer to Appendix for Details



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**7.11 Channel Move Time**

Test Requirement KDB 905462 D02 Section 5.1  
 Test Method: KDB 905462 D02 Section 7.8.3  
 Limit:

Test item	Limit	Applicability	
		Master Device or client with Radar Detection	Client without Radar Detection
Non-occupancy period	Minimum 30 minutes	Yes	Not required
Channel Availability Check Time	60 seconds	Yes	Not required
Channel Move Time	10 seconds See Note 1.	Yes	Yes
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.	Yes	Yes
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.	Yes	Not required

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

**7.11.1 E.U.T. Operation**

Operating Environment:

Temperature: 23.4 °C Humidity: 48.9 % RH Atmospheric Pressure: 1003 mbar

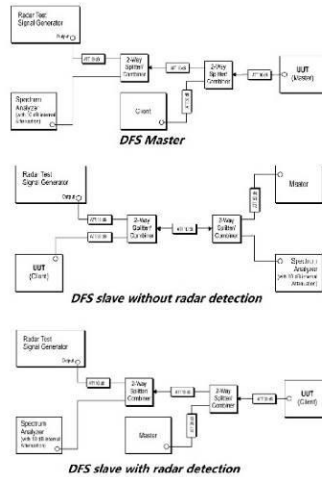


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### 7.11.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	Normal operating_Keep the EUT communication with the companion device.

### 7.11.3 Test Setup Diagram



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**7.11.4 Measurement Procedure and Data**

- 1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.
- 2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.
- 3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.
- 4) EUT will associate with the master at channel. The file "iperf.exe" specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.
- 5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.
- 6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.
- 7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by:  $Dwell (0.3ms) = S (12000ms) / B (4000)$ ; where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by:  $C (ms) = N \times Dwell (0.3ms)$ ; where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.
- 8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

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**7.12 Channel Closing Transmission Time**

Test Requirement KDB 905462 D02 Section 5.1  
 Test Method: KDB 905462 D02 Section 7.8.3  
 Limit:

Test item	Limit	Applicability	
		Master Device or client with Radar Detection	Client without Radar Detection
Non-occupancy period	Minimum 30 minutes	Yes	Not required
Channel Availability Check Time	60 seconds	Yes	Not required
Channel Move Time	10 seconds See Note 1.	Yes	Yes
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.	Yes	Yes
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.	Yes	Not required

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

**7.12.1 E.U.T. Operation**

Operating Environment:  
 Temperature: 23.4 °C Humidity: 48.9 % RH Atmospheric Pressure: 1003 mbar

**7.12.2 Test Mode Description**

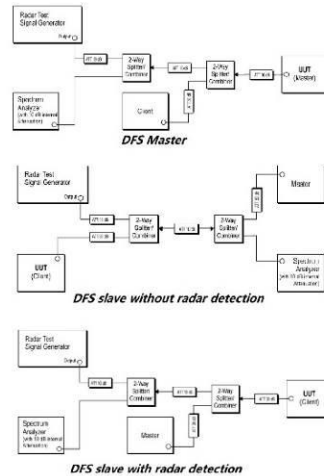
Pre-scan / Final test	Mode / Code	Description
Final test	04	Normal operating_Keep the EUT communication with the companion



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device.

**7.12.3 Test Setup Diagram**



**7.12.4 Measurement Procedure and Data**

- 1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.
- 2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.
- 3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.
- 4) EUT will associate with the master at channel. The file "iperf.exe" specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.
- 5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.
- 6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.
- 7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by:  $Dwell (0.3ms) = S (12000ms) / B (4000)$ ; where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by:  $C (ms) = N \times Dwell (0.3ms)$ ; where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.
- 8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

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**7.13 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.



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**7.13.1 E.U.T. Operation**

Operating Environment:

Temperature: 23.4 °C Humidity: 48.9 % RH Atmospheric Pressure: 1003 mbar

**7.13.2 Test Mode Description**

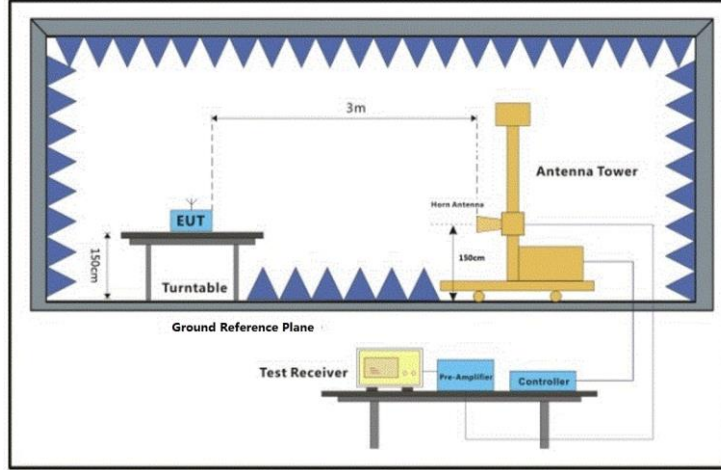
Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst 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	01	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	02	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	03	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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### 7.13.3 Test Setup Diagram



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**7.13.4 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.



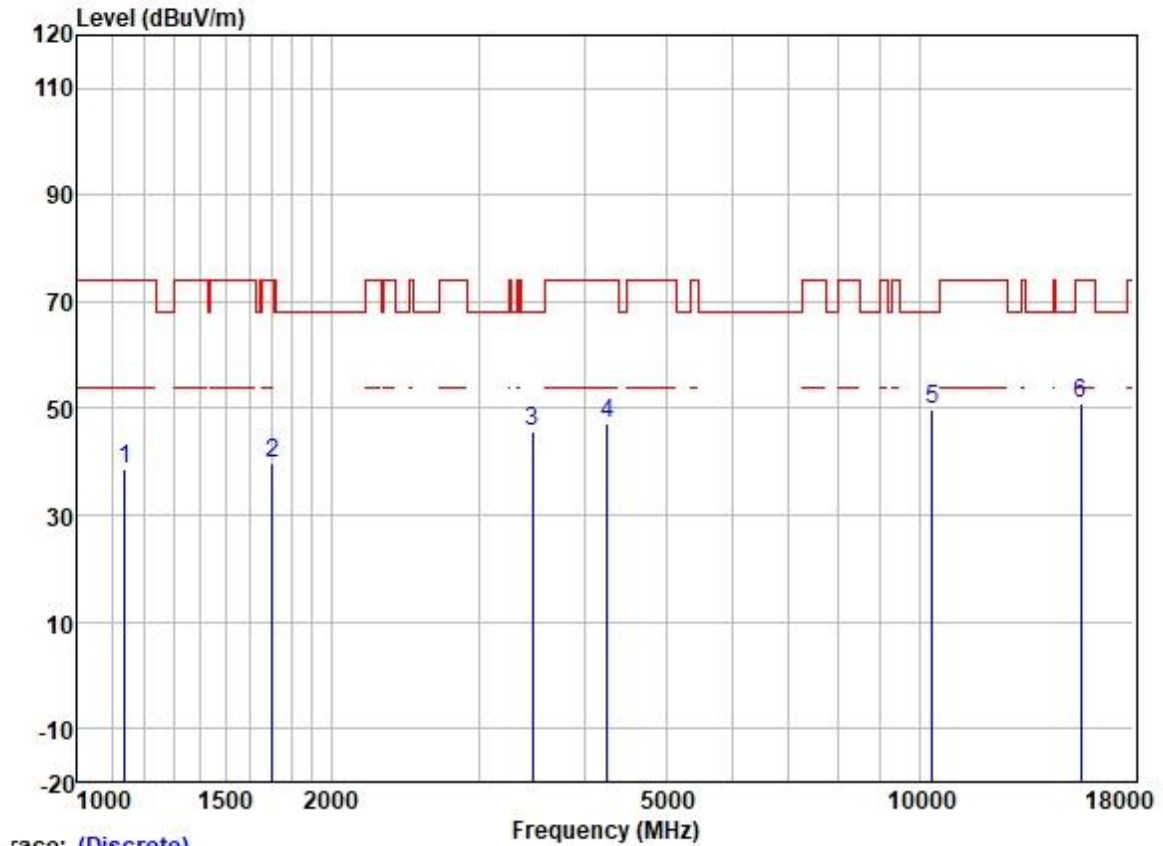
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

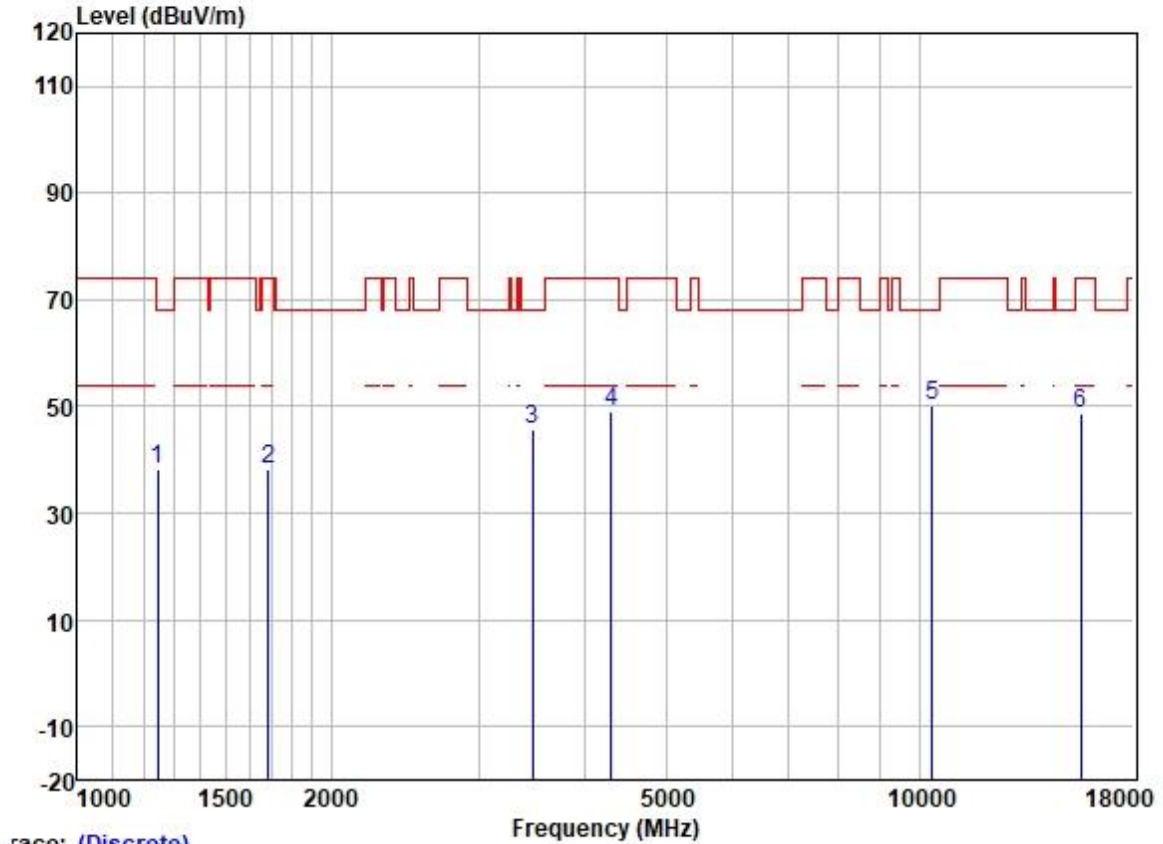
	Read	Antenna	Cable	Preamp	Limit	Over			
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1138.904	50.35	24.46	2.27	38.42	38.66	74.00	-35.34	HORIZONTAL Peak
2	1702.042	49.07	25.72	2.80	37.89	39.70	74.00	-34.30	HORIZONTAL Peak
3	3475.541	49.47	28.89	4.25	36.95	45.66	68.20	-22.54	HORIZONTAL Peak
4	4254.921	49.12	30.34	4.62	36.81	47.27	74.00	-26.73	HORIZONTAL Peak
5	10360.000	40.73	39.28	7.29	37.37	49.93	68.20	-18.27	HORIZONTAL Peak
6	15540.000	37.26	39.05	9.88	35.39	50.80	74.00	-23.20	HORIZONTAL Peak



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Test Mode: 00; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



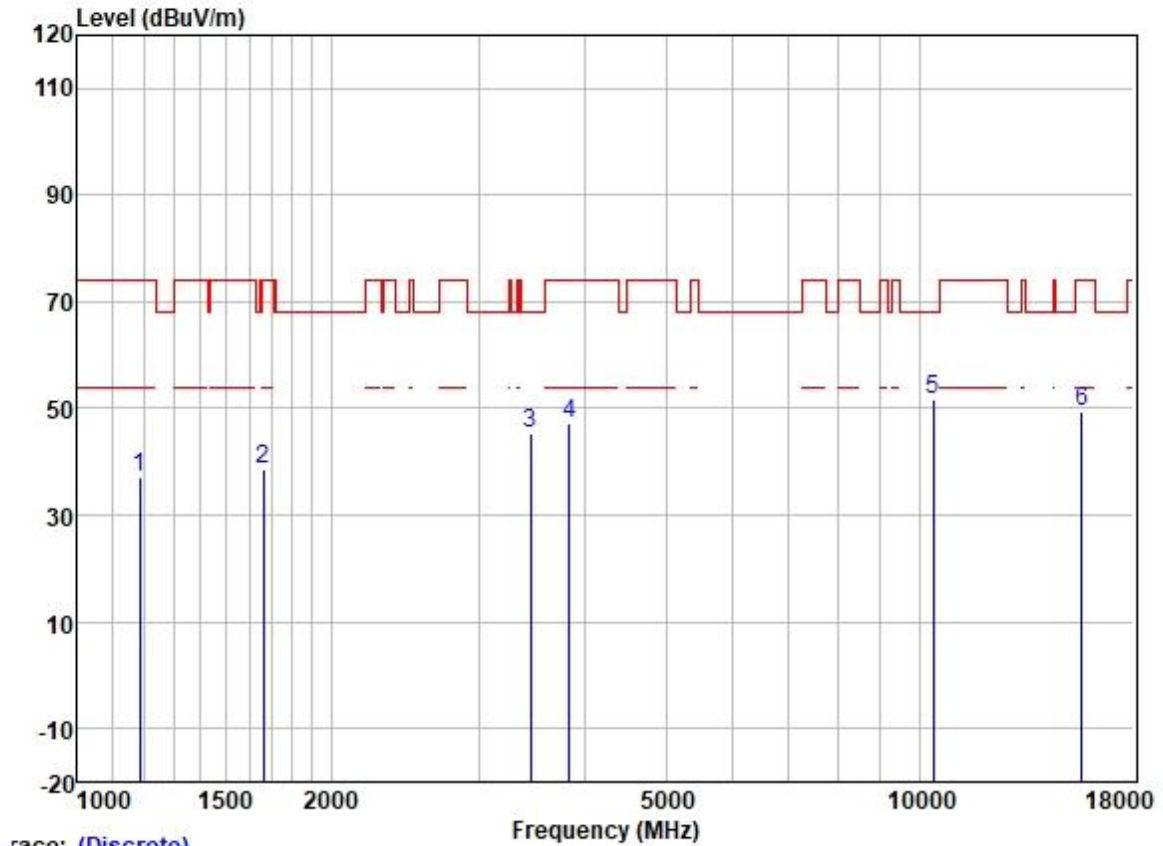
Trace: (Discrete)

	Read	Antenna	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	1245.663	49.21	25.00	2.33	38.35	38.19	68.20	-30.01	VERTICAL Peak
2	1687.347	47.79	25.69	2.80	37.91	38.37	74.00	-35.63	VERTICAL Peak
3	3475.541	49.64	28.89	4.25	36.95	45.83	68.20	-22.37	VERTICAL Peak
4	4304.400	50.57	30.48	4.65	36.81	48.89	74.00	-25.11	VERTICAL Peak
5	10360.000	40.90	39.28	7.29	37.37	50.10	68.20	-18.10	VERTICAL Peak
6	15540.000	35.27	39.05	9.88	35.39	48.81	74.00	-25.19	VERTICAL Peak



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Test Mode: 00; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



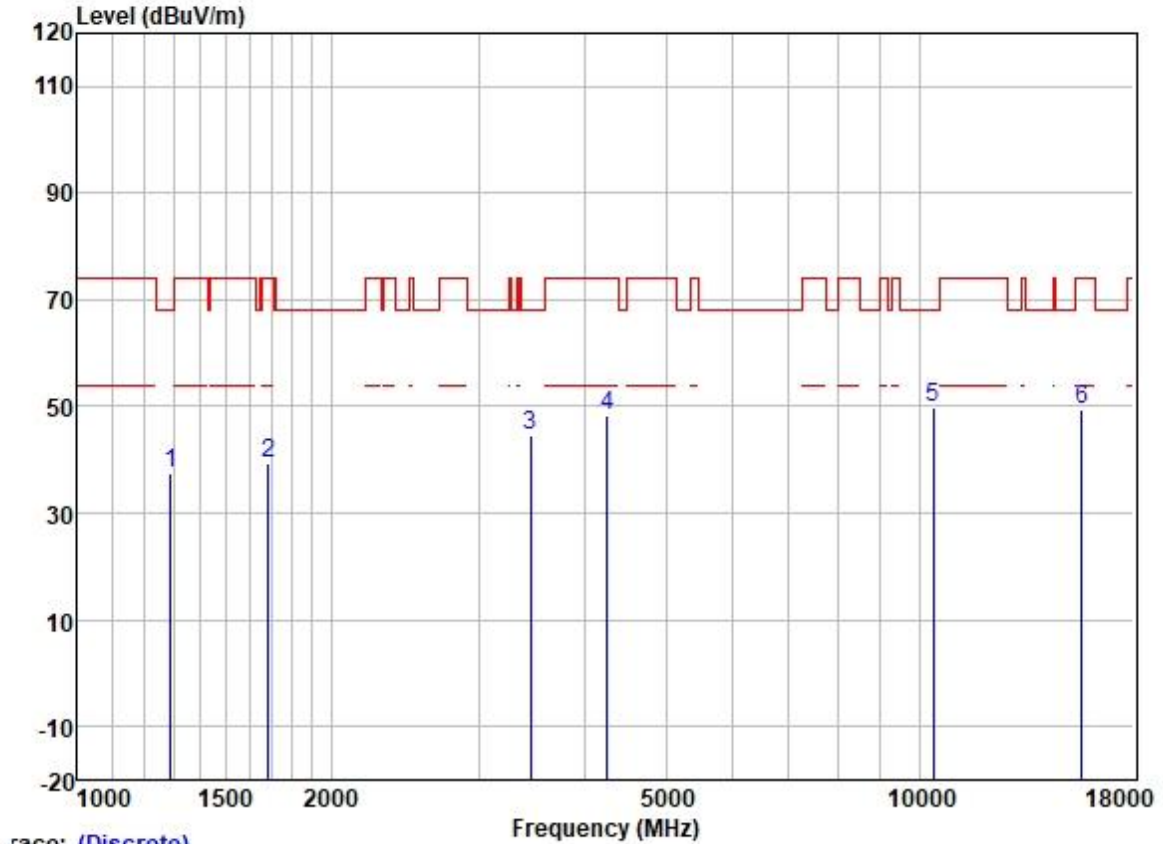
Trace: (Discrete)

	Read	Antenna	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	1185.936	48.71	24.62	2.37	38.40	37.30	74.00	-36.70	HORIZONTAL	Peak
2	1663.137	47.98	25.65	2.80	37.91	38.52	74.00	-35.48	HORIZONTAL	Peak
3	3455.508	49.13	28.88	4.20	36.96	45.25	68.20	-22.95	HORIZONTAL	Peak
4	3845.537	49.68	29.60	4.60	36.84	47.04	74.00	-26.96	HORIZONTAL	Peak
5	10400.000	42.25	39.33	7.32	37.36	51.54	68.20	-16.66	HORIZONTAL	Peak
6	15600.000	36.11	38.99	9.88	35.39	49.59	74.00	-24.41	HORIZONTAL	Peak



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Test Mode: 00; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Trace: (Discrete)

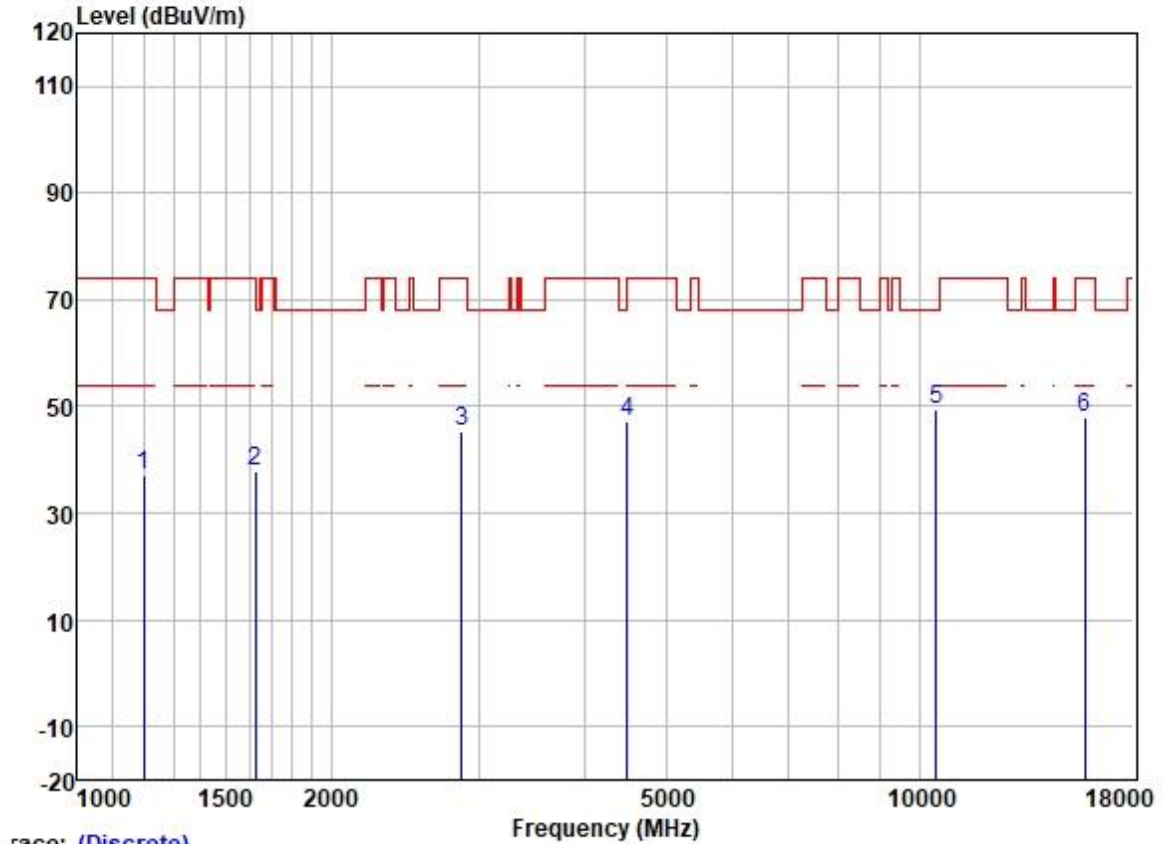
	Read	Antenna	Cable	Preamp		Limit	Over			
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1289.627	47.93	25.17	2.55	38.31	37.34	68.20	-30.86	VERTICAL	Peak
2	1687.347	48.95	25.69	2.80	37.91	39.53	74.00	-34.47	VERTICAL	Peak
3	3455.508	48.48	28.88	4.20	36.96	44.60	68.20	-23.60	VERTICAL	Peak
4	4254.921	50.11	30.34	4.62	36.81	48.26	74.00	-25.74	VERTICAL	Peak
5	10400.000	40.60	39.33	7.32	37.36	49.89	68.20	-18.31	VERTICAL	Peak
6	15600.000	35.93	38.99	9.88	35.39	49.41	74.00	-24.59	VERTICAL	Peak



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Test Mode: 00; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

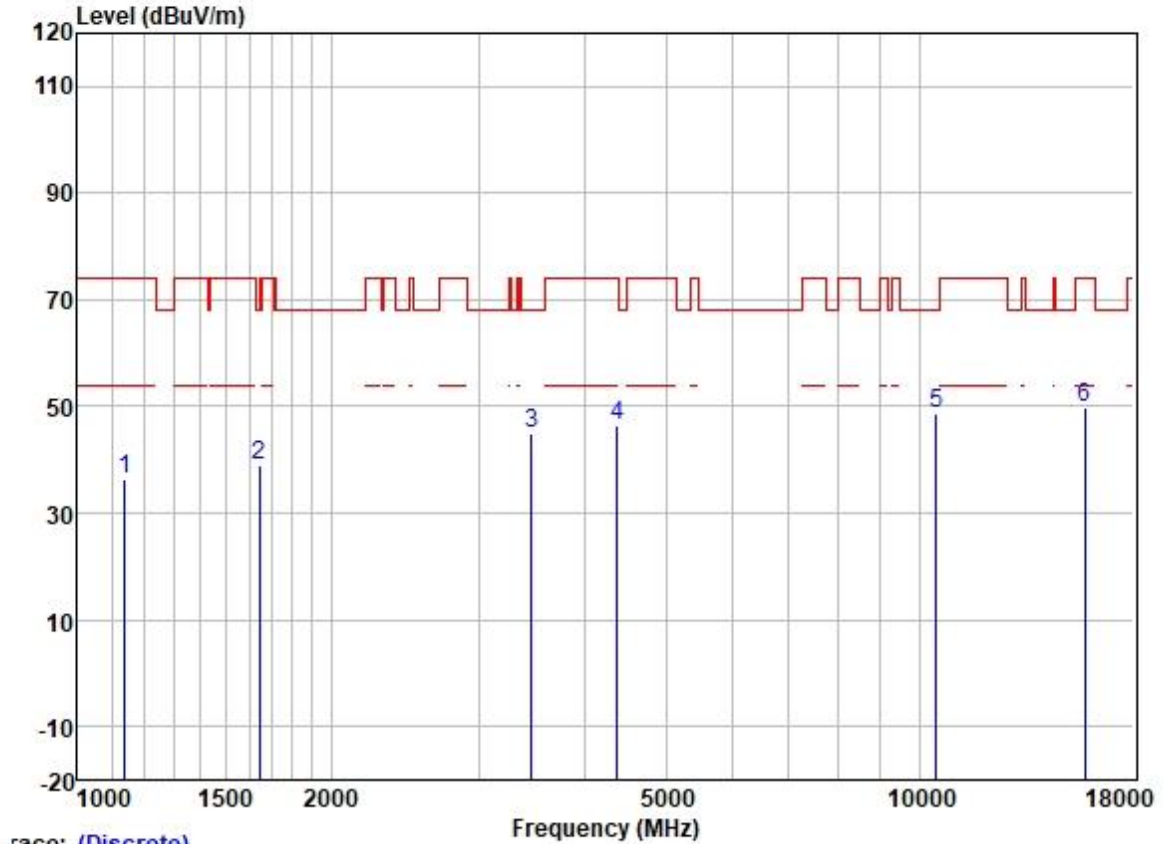
	Read	Antenna	Cable	Preamp	Limit	Over				
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1199.726	48.54	24.68	2.34	38.39	37.17	74.00	-36.83	HORIZONTAL	Peak
2	1625.121	47.58	25.61	2.80	37.95	38.04	74.00	-35.96	HORIZONTAL	Peak
3	2863.645	50.58	28.25	3.70	37.36	45.17	74.00	-28.83	HORIZONTAL	Peak
4	4495.125	48.10	30.80	5.05	36.82	47.13	68.20	-21.07	HORIZONTAL	Peak
5	10480.000	40.04	39.46	7.40	37.36	49.54	68.20	-18.66	HORIZONTAL	Peak
6	15720.000	34.74	38.78	9.87	35.39	48.00	74.00	-26.00	HORIZONTAL	Peak



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Test Mode: 00; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



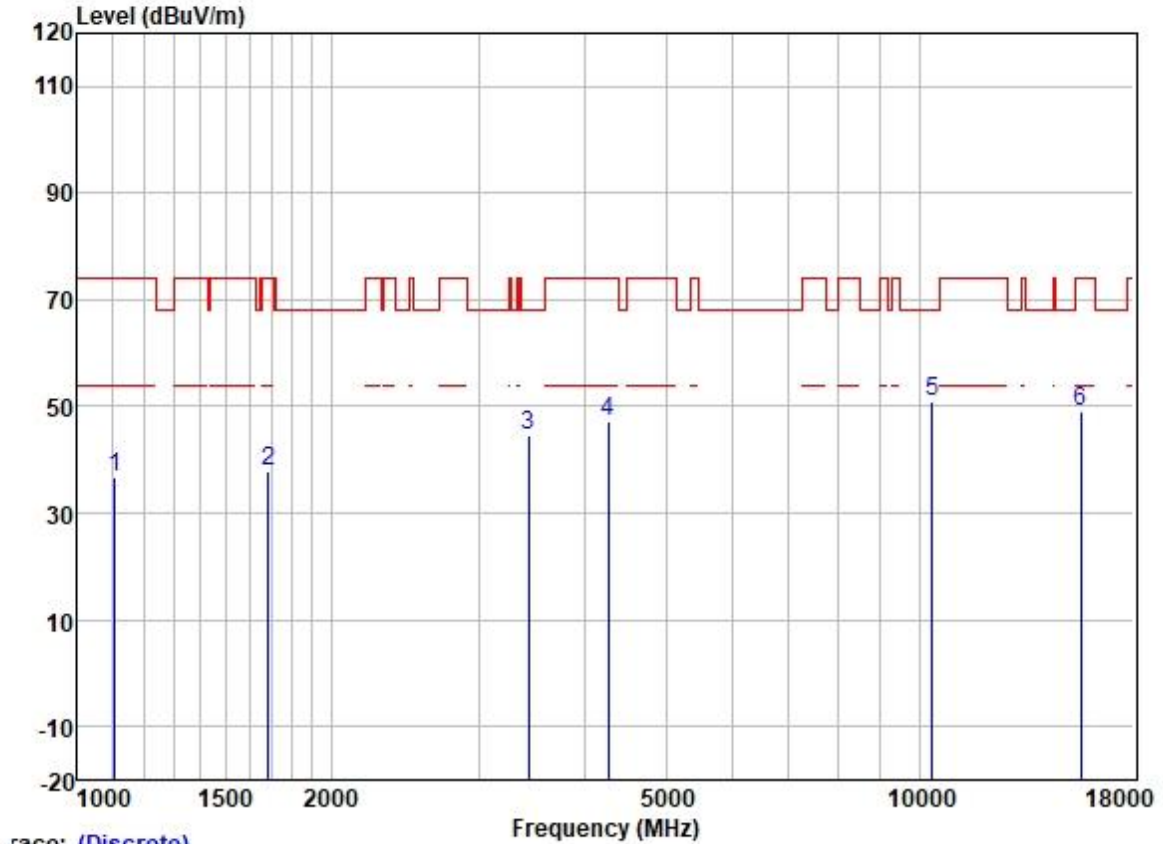
Trace: (Discrete)

	Read	Antenna	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	1138.904	48.06	24.46	2.27	38.42	36.37	74.00	-37.63	VERTICAL	Peak
2	1644.019	48.42	25.63	2.80	37.93	38.92	68.20	-29.28	VERTICAL	Peak
3	3465.510	48.93	28.88	4.22	36.95	45.08	68.20	-23.12	VERTICAL	Peak
4	4379.699	47.82	30.64	4.69	36.81	46.34	74.00	-27.66	VERTICAL	Peak
5	10480.000	39.10	39.46	7.40	37.36	48.60	68.20	-19.60	VERTICAL	Peak
6	15720.000	36.61	38.78	9.87	35.39	49.87	74.00	-24.13	VERTICAL	Peak



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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



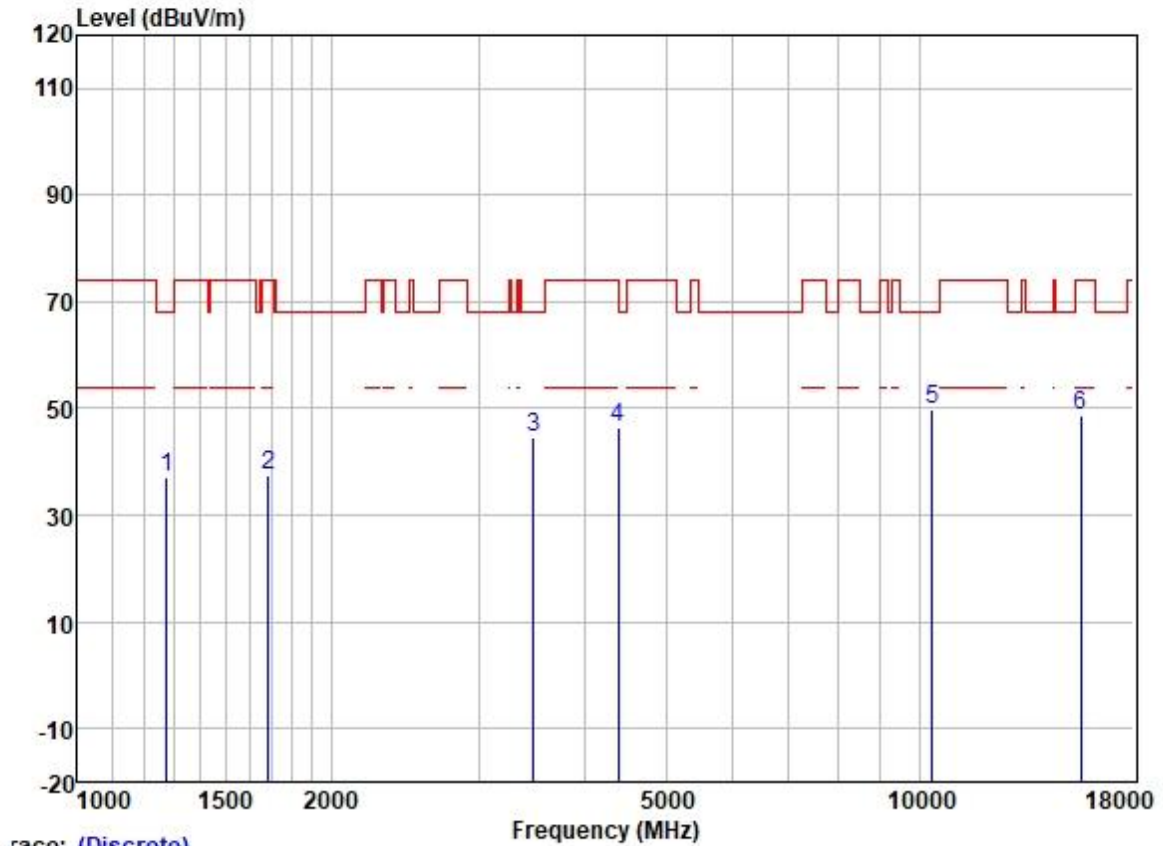
Trace: (Discrete)

	Read	Antenna	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	1106.457	48.54	24.38	2.28	38.45	36.75	74.00	-37.25	HORIZONTAL	Peak
2	1687.347	47.26	25.69	2.80	37.91	37.84	74.00	-36.16	HORIZONTAL	Peak
3	3435.590	48.65	28.87	4.16	36.97	44.71	68.20	-23.49	HORIZONTAL	Peak
4	4267.237	48.87	30.38	4.63	36.81	47.07	74.00	-26.93	HORIZONTAL	Peak
5	10360.000	41.68	39.28	7.29	37.37	50.88	68.20	-17.32	HORIZONTAL	Peak
6	15540.000	35.44	39.05	9.88	35.39	48.98	74.00	-25.02	HORIZONTAL	Peak



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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

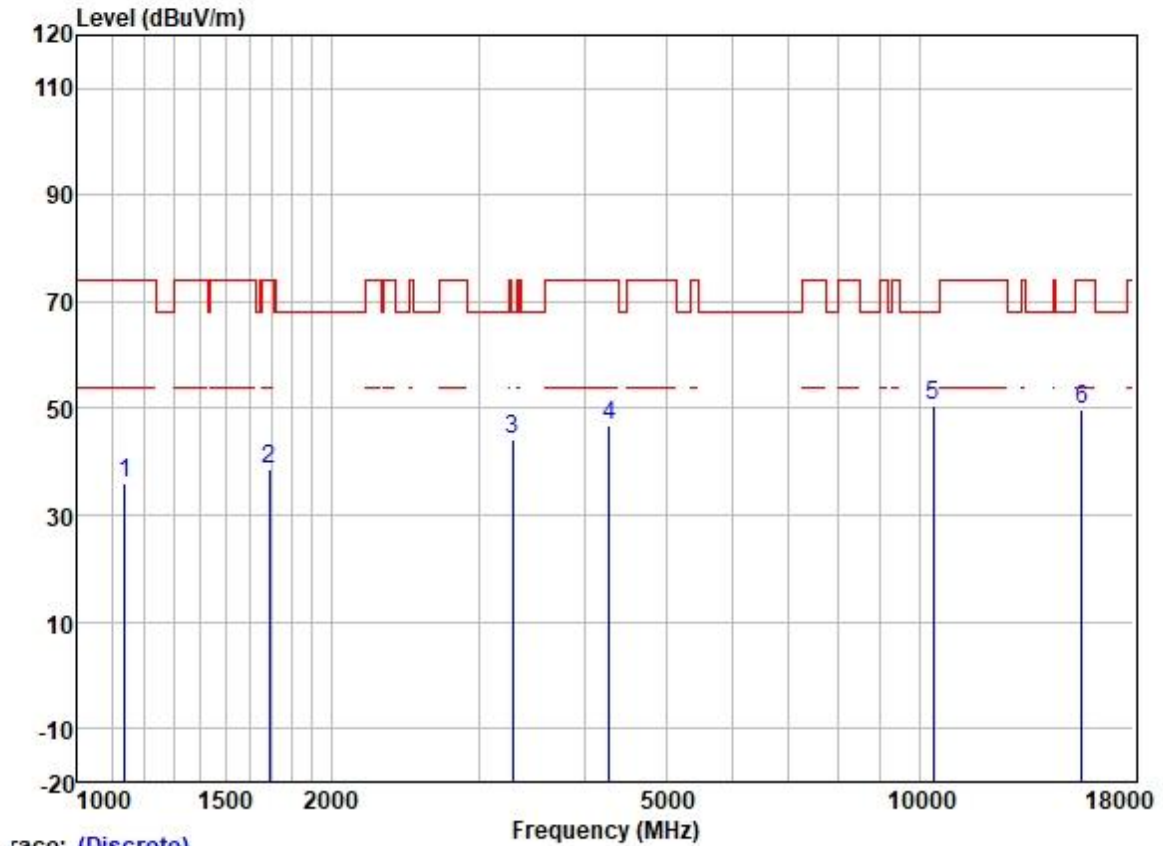
	Read	Antenna	Cable	Preamp	Limit	Over				
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1274.802	47.93	25.12	2.48	38.33	37.20	68.20	-31.00	VERTICAL	Peak
2	1687.347	46.86	25.69	2.80	37.91	37.44	74.00	-36.56	VERTICAL	Peak
3	3485.601	48.41	28.89	4.27	36.95	44.62	68.20	-23.58	VERTICAL	Peak
4	4392.376	47.76	30.66	4.70	36.81	46.31	74.00	-27.69	VERTICAL	Peak
5	10360.000	40.57	39.28	7.29	37.37	49.77	68.20	-18.43	VERTICAL	Peak
6	15540.000	35.03	39.05	9.88	35.39	48.57	74.00	-25.43	VERTICAL	Peak



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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Trace: (Discrete)

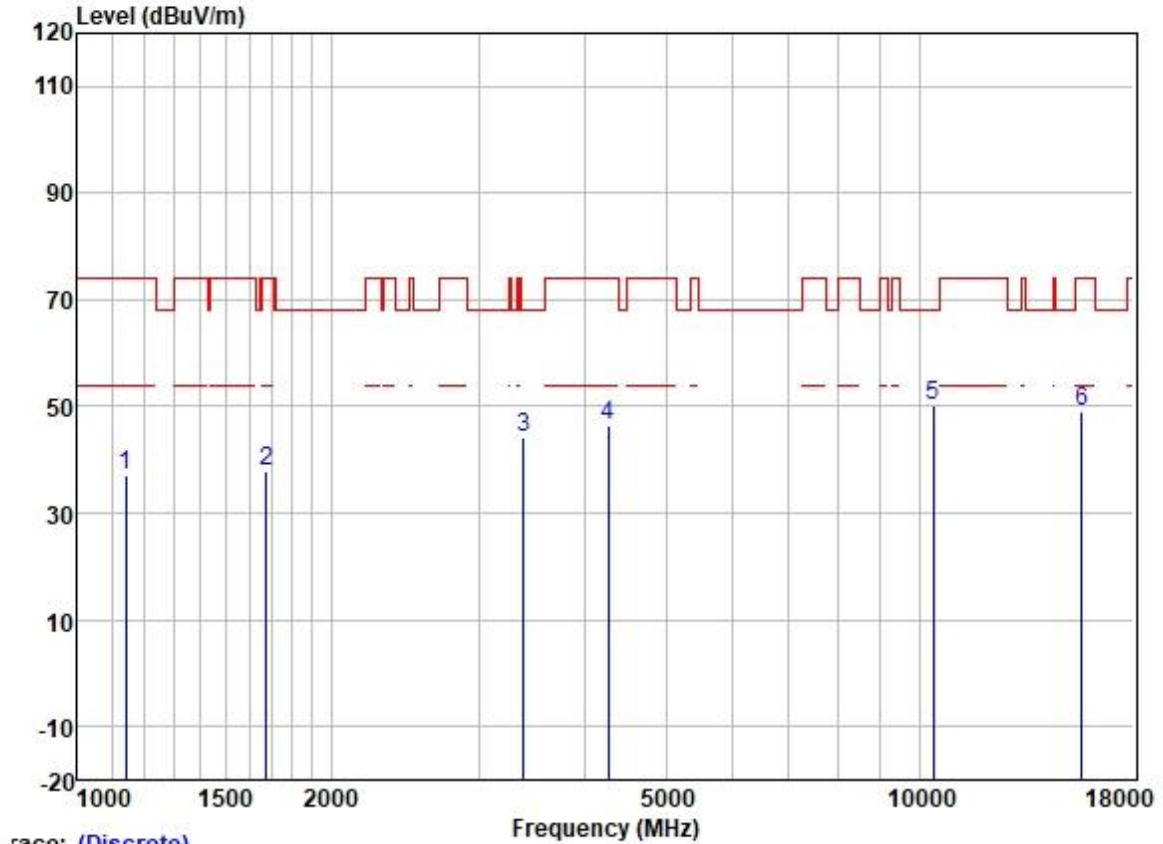
	Read	Antenna	Cable	Preamp	Limit	Over				
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1138.904	47.56	24.46	2.27	38.42	35.87	74.00	-38.13	HORIZONTAL	Peak
2	1692.231	47.86	25.70	2.80	37.89	38.47	74.00	-35.53	HORIZONTAL	Peak
3	3289.821	48.29	28.74	4.05	37.03	44.05	68.20	-24.15	HORIZONTAL	Peak
4	4279.589	48.70	30.42	4.63	36.81	46.94	74.00	-27.06	HORIZONTAL	Peak
5	10400.000	41.13	39.33	7.32	37.36	50.42	68.20	-17.78	HORIZONTAL	Peak
6	15600.000	36.17	38.99	9.88	35.39	49.65	74.00	-24.35	HORIZONTAL	Peak



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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Trace: (Discrete)

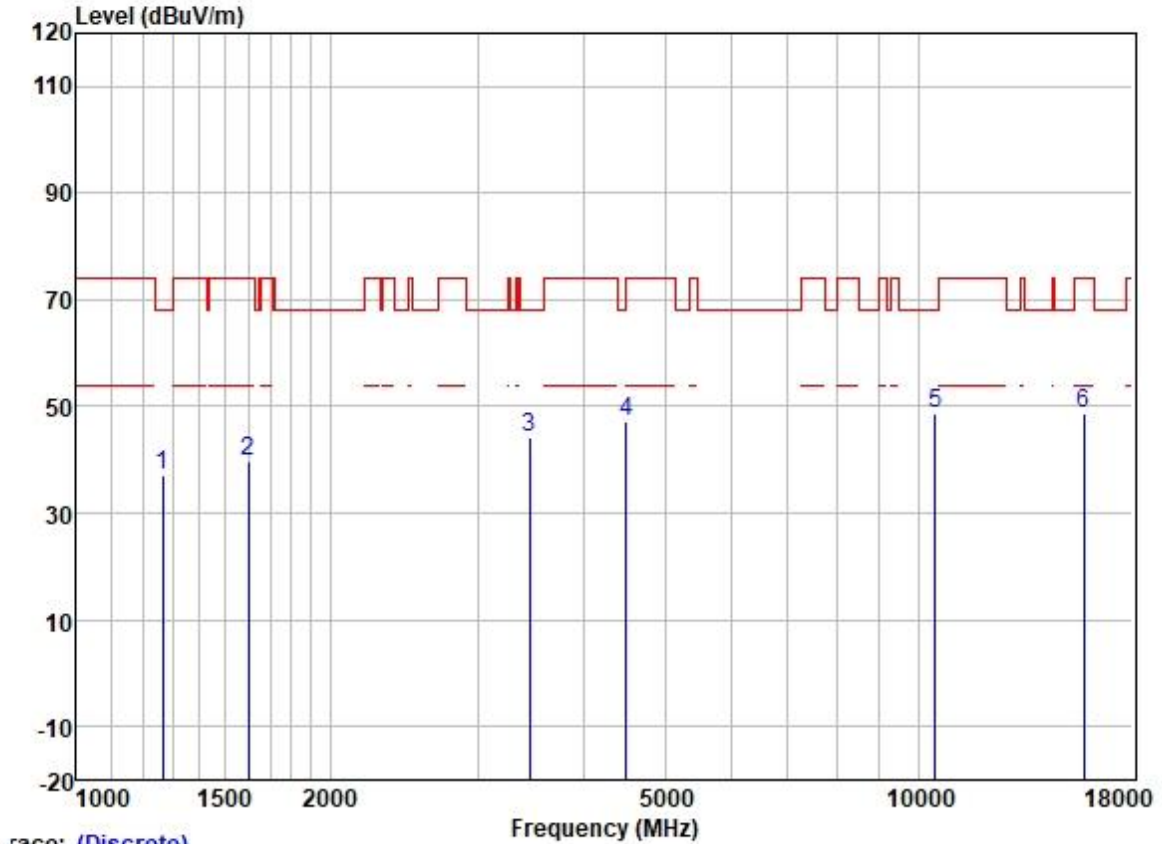
	Read	Antenna	Cable	Preamp	Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1142.201	48.77	24.47	2.30	38.42	37.12	74.00	-36.88	VERTICAL Peak
2	1677.621	47.25	25.68	2.80	37.91	37.82	74.00	-36.18	VERTICAL Peak
3	3386.297	48.21	28.83	4.10	36.99	44.15	68.20	-24.05	VERTICAL Peak
4	4267.237	48.35	30.38	4.63	36.81	46.55	74.00	-27.45	VERTICAL Peak
5	10400.000	41.01	39.33	7.32	37.36	50.30	68.20	-17.90	VERTICAL Peak
6	15600.000	35.48	38.99	9.88	35.39	48.96	74.00	-25.04	VERTICAL Peak



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 No.198 Kezhu Road, Sciotech Park, Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075058 www.sgs.com.cn  
 中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com

Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



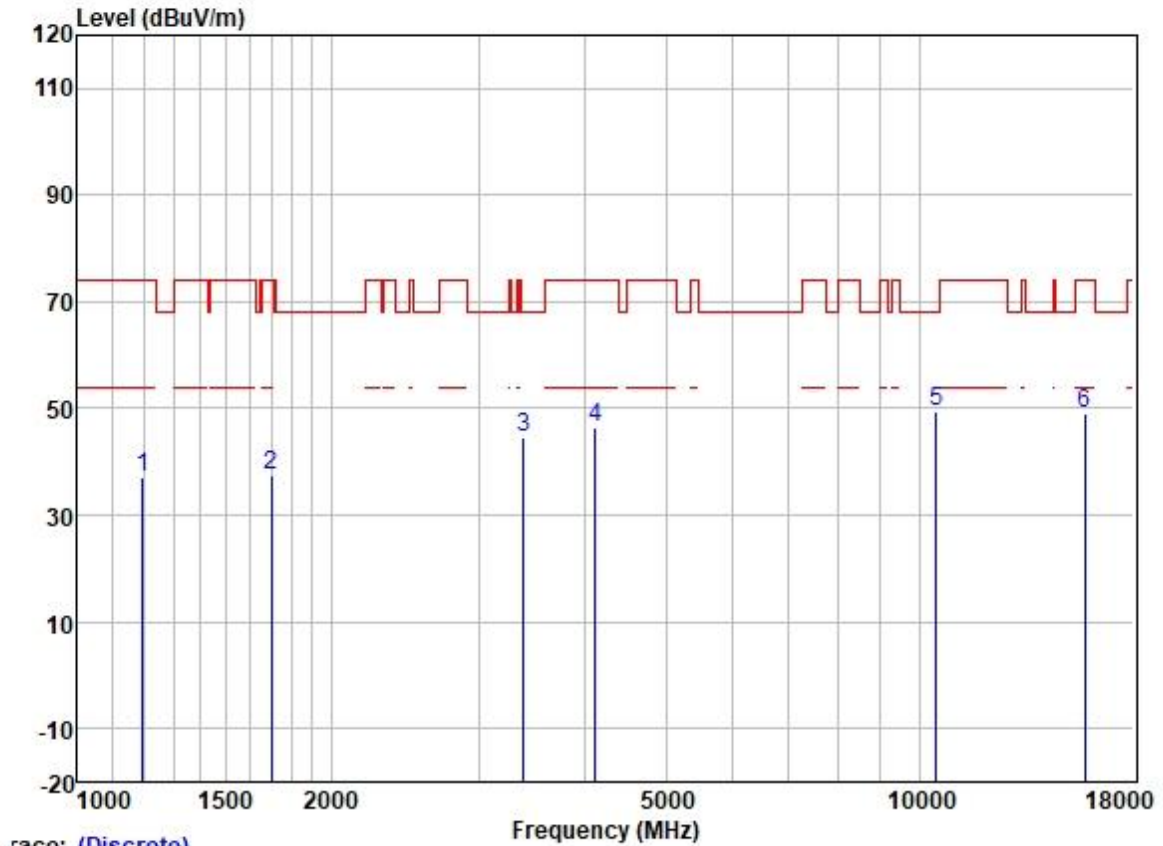
Trace: (Discrete)

	Read	Antenna	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	1267.454	47.73	25.10	2.44	38.33	36.94	68.20	-31.26	HORIZONTAL Peak
2	1601.804	49.36	25.58	2.80	37.98	39.76	74.00	-34.24	HORIZONTAL Peak
3	3455.508	47.99	28.88	4.20	36.96	44.11	68.20	-24.09	HORIZONTAL Peak
4	4495.125	48.20	30.80	5.05	36.82	47.23	68.20	-20.97	HORIZONTAL Peak
5	10480.000	39.30	39.46	7.40	37.36	48.80	68.20	-19.40	HORIZONTAL Peak
6	15720.000	35.47	38.78	9.87	35.39	48.73	74.00	-25.27	HORIZONTAL Peak



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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

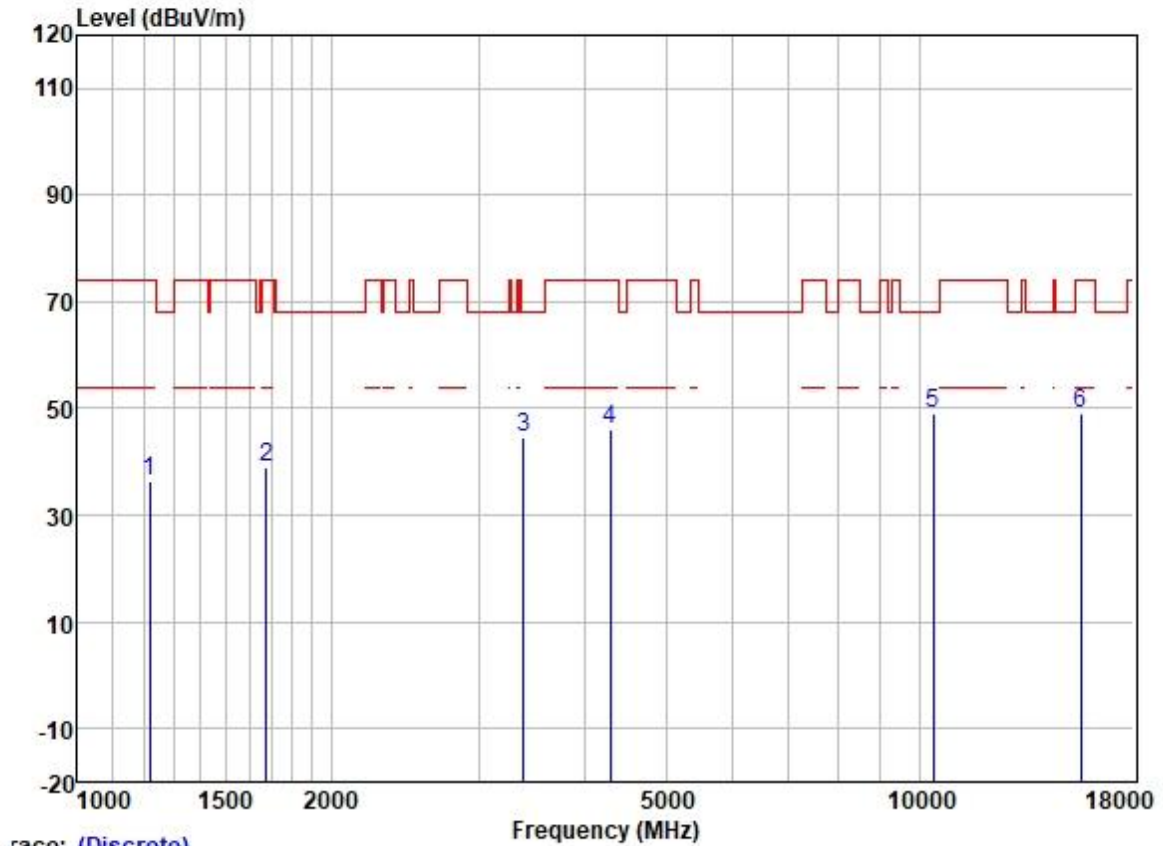
	Read	Antenna	Cable	Preamp		Limit	Over			
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1196.264	48.41	24.67	2.35	38.39	37.04	74.00	-36.96	VERTICAL	Peak
2	1697.129	46.76	25.71	2.80	37.89	37.38	74.00	-36.62	VERTICAL	Peak
3	3386.297	48.55	28.83	4.10	36.99	44.49	68.20	-23.71	VERTICAL	Peak
4	4121.768	48.58	29.98	4.60	36.80	46.36	74.00	-27.64	VERTICAL	Peak
5	10480.000	39.86	39.46	7.40	37.36	49.36	68.20	-18.84	VERTICAL	Peak
6	15720.000	35.91	38.78	9.87	35.39	49.17	74.00	-24.83	VERTICAL	Peak



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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Trace: (Discrete)

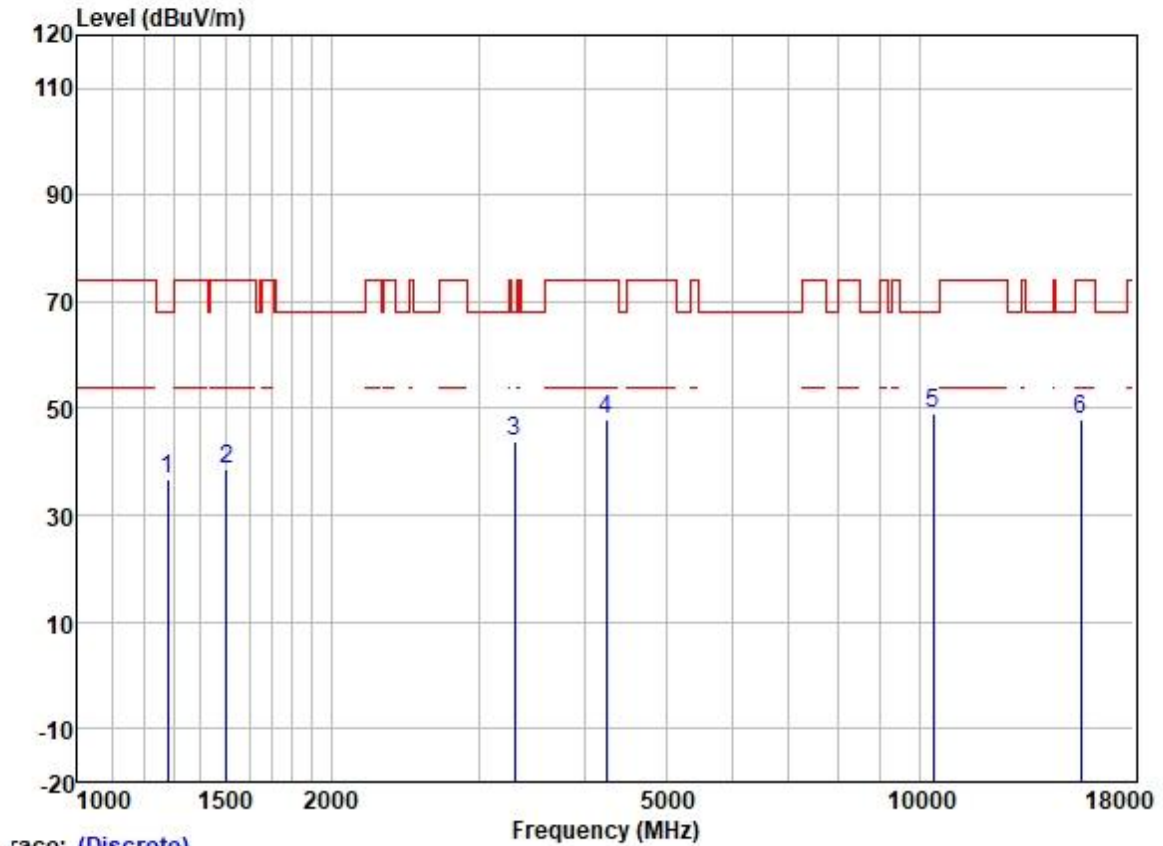
	Read	Antenna	Cable	Preamp		Limit	Over			
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1217.190	47.77	24.79	2.32	38.37	36.51	74.00	-37.49	HORIZONTAL	Peak
2	1677.621	48.27	25.68	2.80	37.91	38.84	74.00	-35.16	HORIZONTAL	Peak
3	3386.297	48.51	28.83	4.10	36.99	44.45	68.20	-23.75	HORIZONTAL	Peak
4	4291.977	47.89	30.45	4.64	36.81	46.17	74.00	-27.83	HORIZONTAL	Peak
5	10380.000	39.65	39.33	7.32	37.37	48.93	68.20	-19.27	HORIZONTAL	Peak
6	15570.000	35.73	38.99	9.88	35.39	49.21	74.00	-24.79	HORIZONTAL	Peak



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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



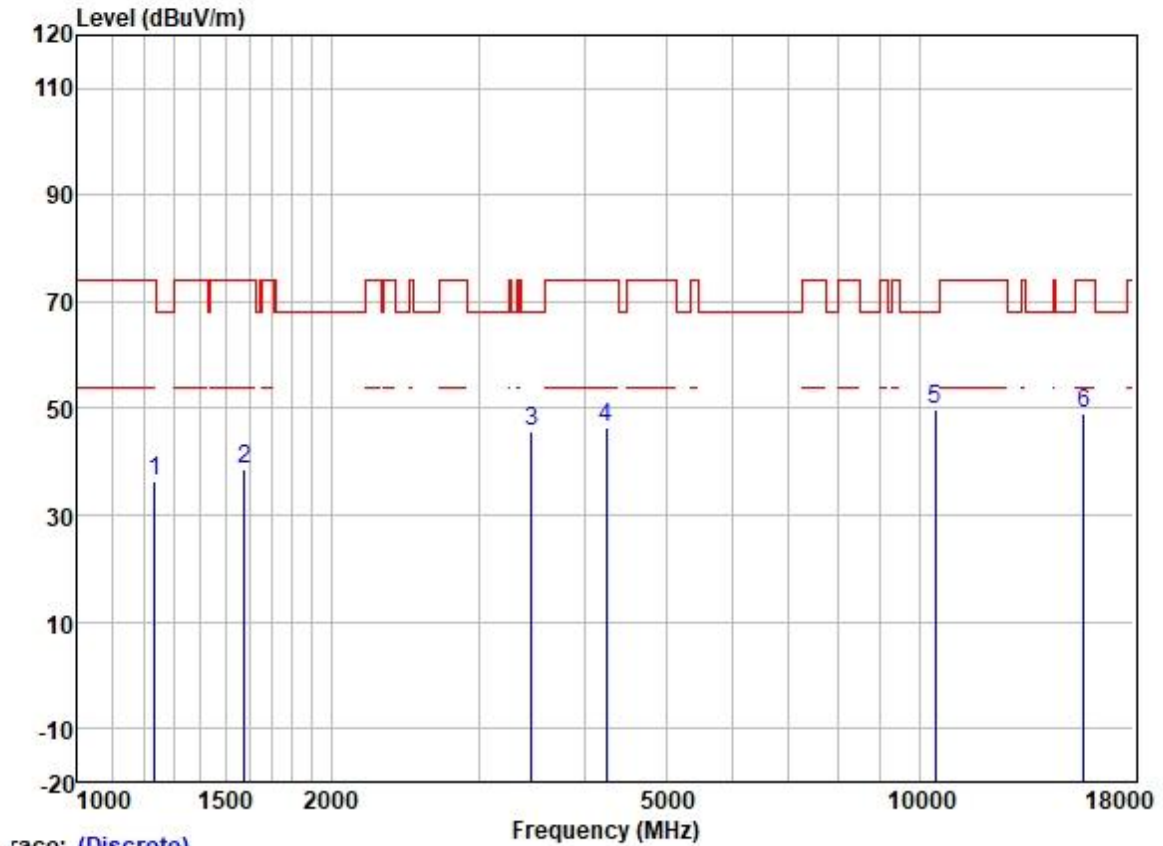
Trace: (Discrete)

	Read	Antenna	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	1278.492	47.60	25.14	2.50	38.33	36.91	68.20	-31.29	VERTICAL	Peak
2	1503.119	48.28	25.50	2.80	38.10	38.48	74.00	-35.52	VERTICAL	Peak
3	3308.894	47.88	28.76	4.06	37.03	43.67	68.20	-24.53	VERTICAL	Peak
4	4242.641	49.77	30.30	4.62	36.81	47.88	74.00	-26.12	VERTICAL	Peak
5	10380.000	39.96	39.33	7.32	37.37	49.24	68.20	-18.96	VERTICAL	Peak
6	15570.000	34.58	38.99	9.88	35.39	48.06	74.00	-25.94	VERTICAL	Peak



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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



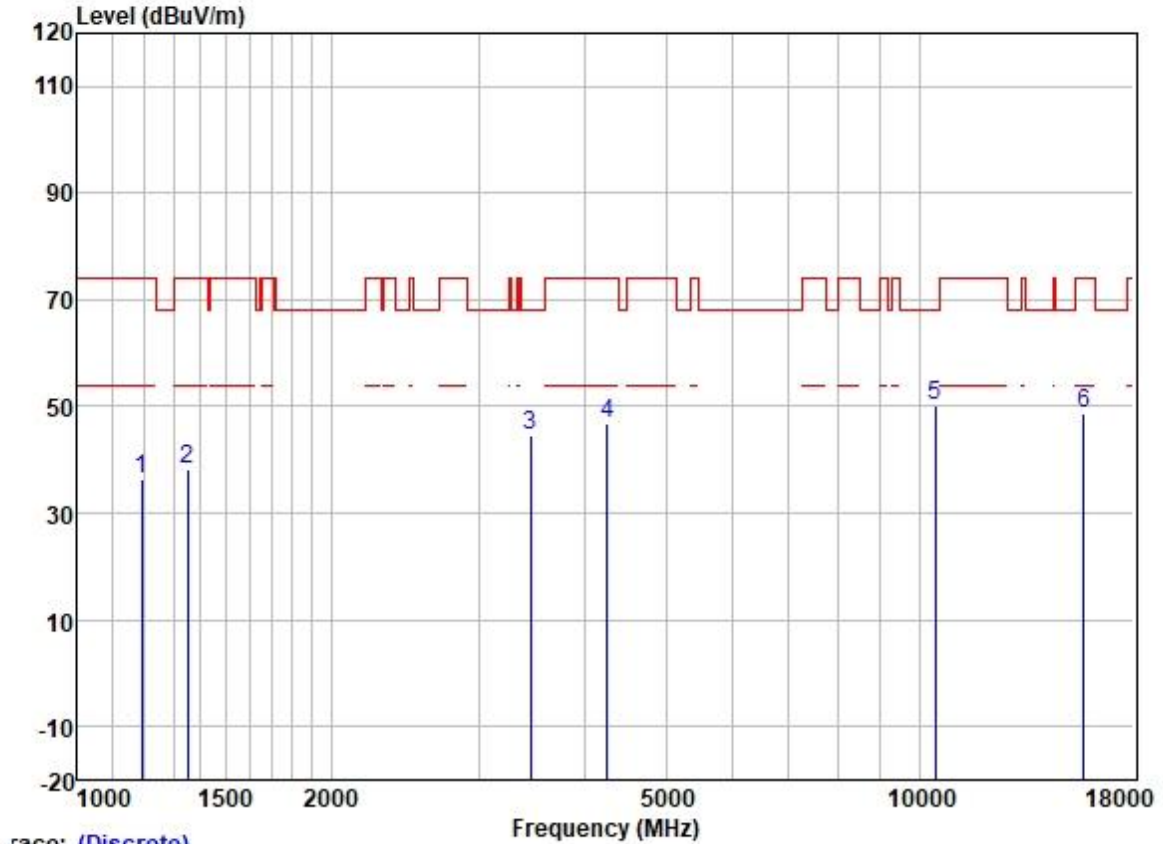
Trace: (Discrete)

	Read	Antenna	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	1234.909	47.65	24.93	2.30	38.37	36.51	74.00	-37.49	HORIZONTAL	Peak
2	1578.822	48.29	25.56	2.80	38.00	38.65	74.00	-35.35	HORIZONTAL	Peak
3	3465.510	49.39	28.88	4.22	36.95	45.54	68.20	-22.66	HORIZONTAL	Peak
4	4242.641	48.35	30.30	4.62	36.81	46.46	74.00	-27.54	HORIZONTAL	Peak
5	10460.000	40.24	39.42	7.37	37.36	49.67	68.20	-18.53	HORIZONTAL	Peak
6	15690.000	35.86	38.86	9.87	35.39	49.20	74.00	-24.80	HORIZONTAL	Peak



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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Trace: (Discrete)

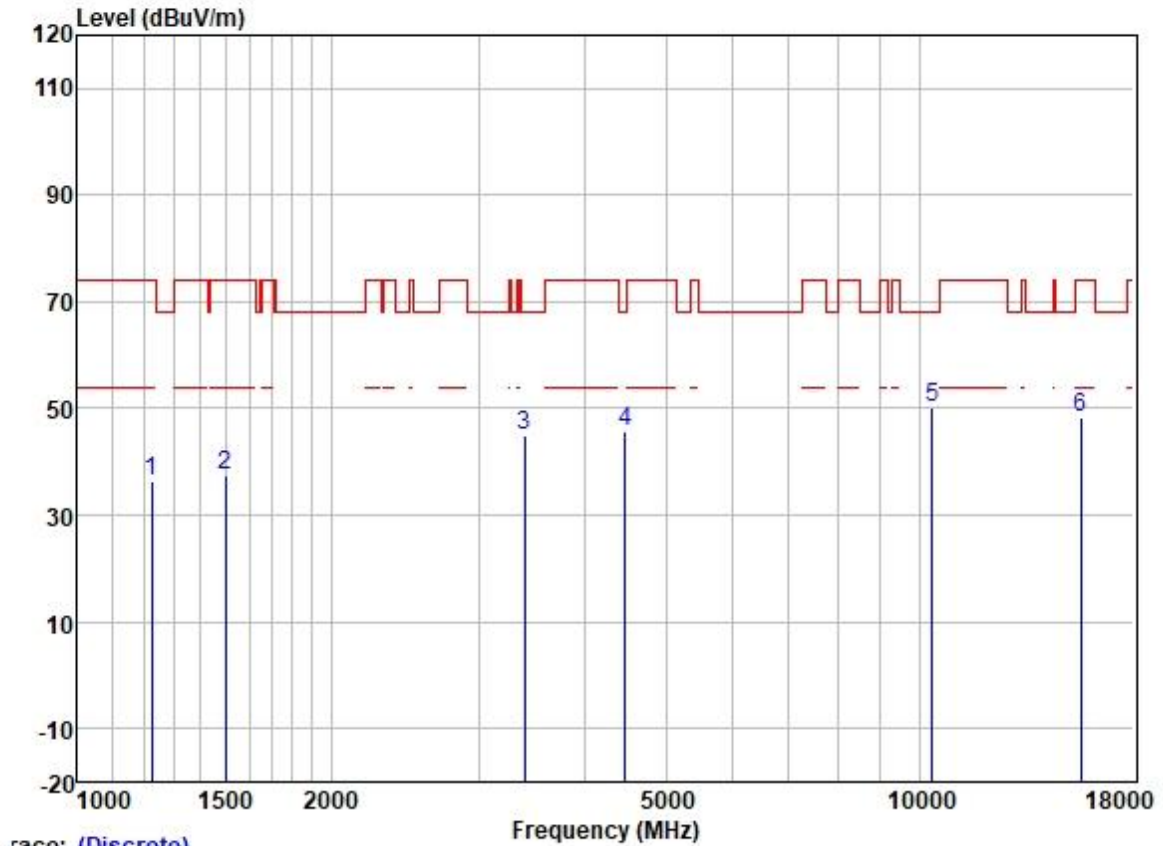
	Read	Antenna	Cable	Preamp	Limit	Over				
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1192.811	47.61	24.65	2.36	38.39	36.23	74.00	-37.77	VERTICAL	Peak
2	1350.667	48.61	25.31	2.60	38.27	38.25	74.00	-35.75	VERTICAL	Peak
3	3455.508	48.28	28.88	4.20	36.96	44.40	68.20	-23.80	VERTICAL	Peak
4	4254.921	48.77	30.34	4.62	36.81	46.92	74.00	-27.08	VERTICAL	Peak
5	10460.000	40.60	39.42	7.37	37.36	50.03	68.20	-18.17	VERTICAL	Peak
6	15690.000	35.48	38.86	9.87	35.39	48.82	74.00	-25.18	VERTICAL	Peak



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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

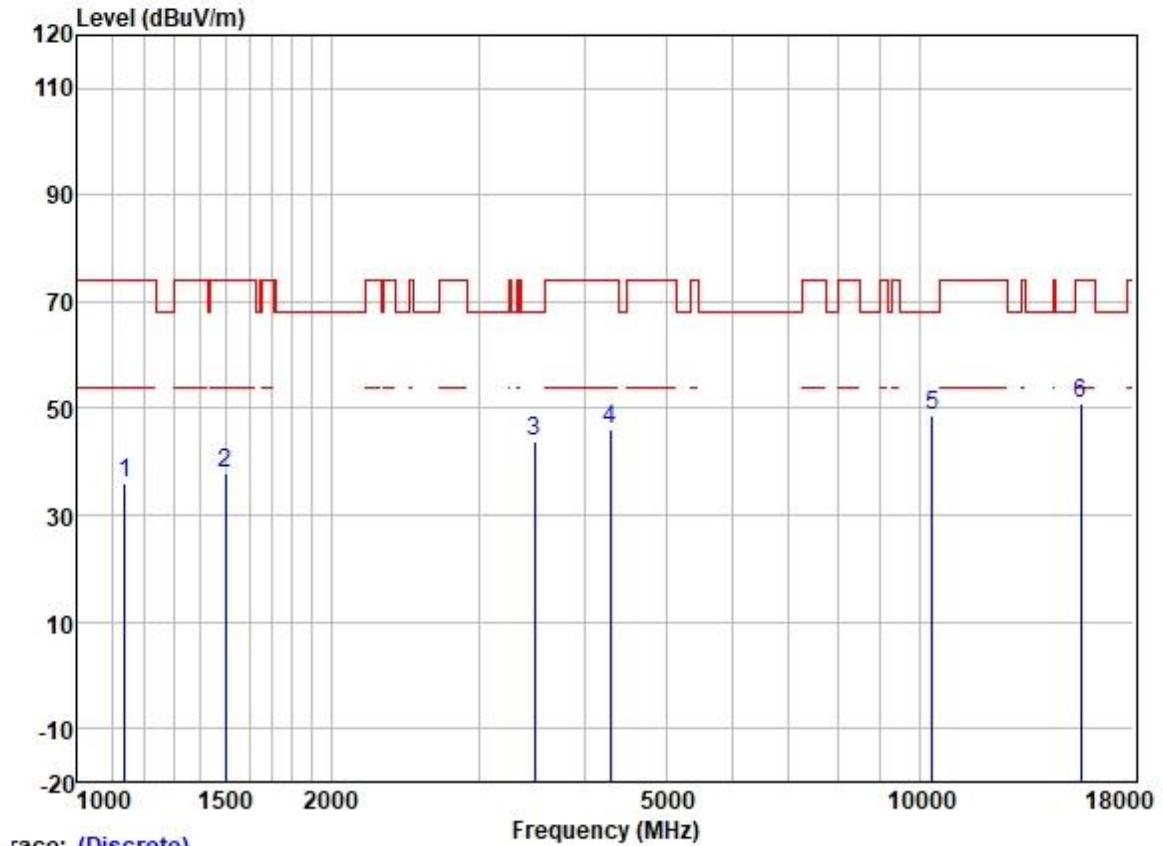
	Read	Antenna	Cable	Preamp		Limit	Over			
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1224.247	47.60	24.85	2.31	38.37	36.39	74.00	-37.61	HORIZONTAL	Peak
2	1498.781	47.11	25.50	2.80	38.10	37.31	74.00	-36.69	HORIZONTAL	Peak
3	3396.098	48.90	28.84	4.10	36.98	44.86	68.20	-23.34	HORIZONTAL	Peak
4	4469.214	46.86	30.77	4.93	36.81	45.75	68.20	-22.45	HORIZONTAL	Peak
5	10360.000	41.09	39.28	7.29	37.37	50.29	68.20	-17.91	HORIZONTAL	Peak
6	15540.000	34.72	39.05	9.88	35.39	48.26	74.00	-25.74	HORIZONTAL	Peak



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Test Mode: 00; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



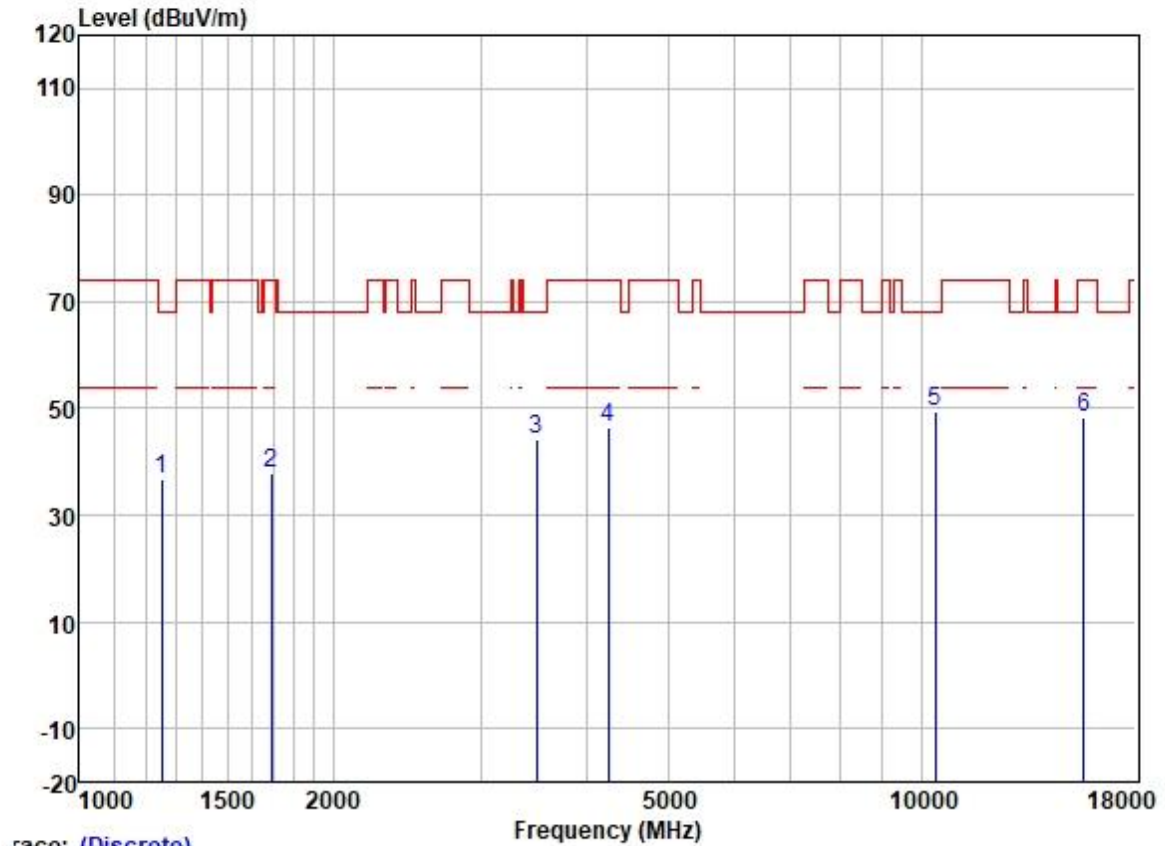
Trace: (Discrete)

	Read	Antenna	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	1138.904	47.64	24.46	2.27	38.42	35.95	74.00	-38.05	VERTICAL Peak
2	1498.781	47.81	25.50	2.80	38.10	38.01	74.00	-35.99	VERTICAL Peak
3	3495.691	47.73	28.90	4.30	36.94	43.99	68.20	-24.21	VERTICAL Peak
4	4291.977	47.77	30.45	4.64	36.81	46.05	74.00	-27.95	VERTICAL Peak
5	10360.000	39.56	39.28	7.29	37.37	48.76	68.20	-19.44	VERTICAL Peak
6	15540.000	37.29	39.05	9.88	35.39	50.83	74.00	-23.17	VERTICAL Peak



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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle



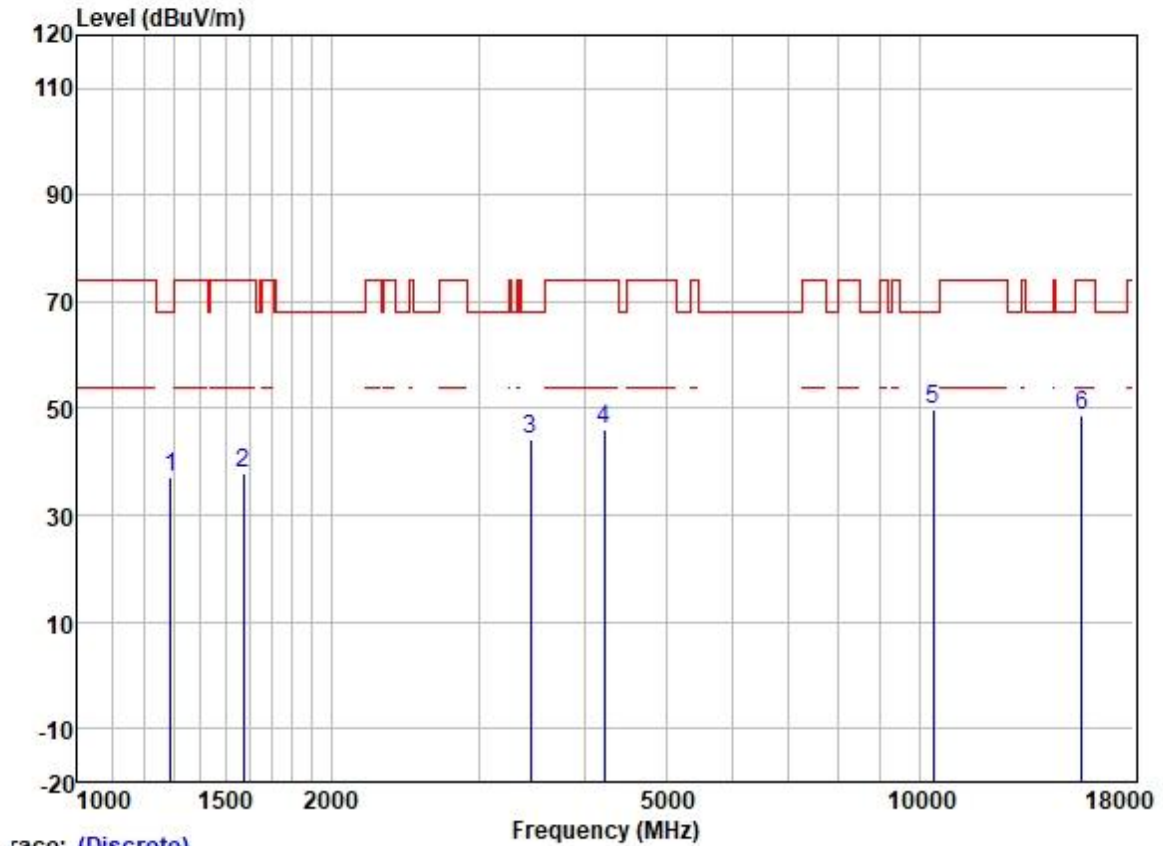
Trace: (Discrete)

	Read	Antenna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1252.885	47.62	25.03	2.36	38.35	36.66	68.20	-31.54	HORIZONTAL Peak
2	1692.231	47.40	25.70	2.80	37.89	38.01	74.00	-35.99	HORIZONTAL Peak
3	3495.691	48.13	28.90	4.30	36.94	44.39	68.20	-23.81	HORIZONTAL Peak
4	4242.641	48.49	30.30	4.62	36.81	46.60	74.00	-27.40	HORIZONTAL Peak
5	10400.000	40.00	39.33	7.32	37.36	49.29	68.20	-18.91	HORIZONTAL Peak
6	15600.000	34.96	38.99	9.88	35.39	48.44	74.00	-25.56	HORIZONTAL Peak



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Test Mode: 00; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle



Trace: (Discrete)

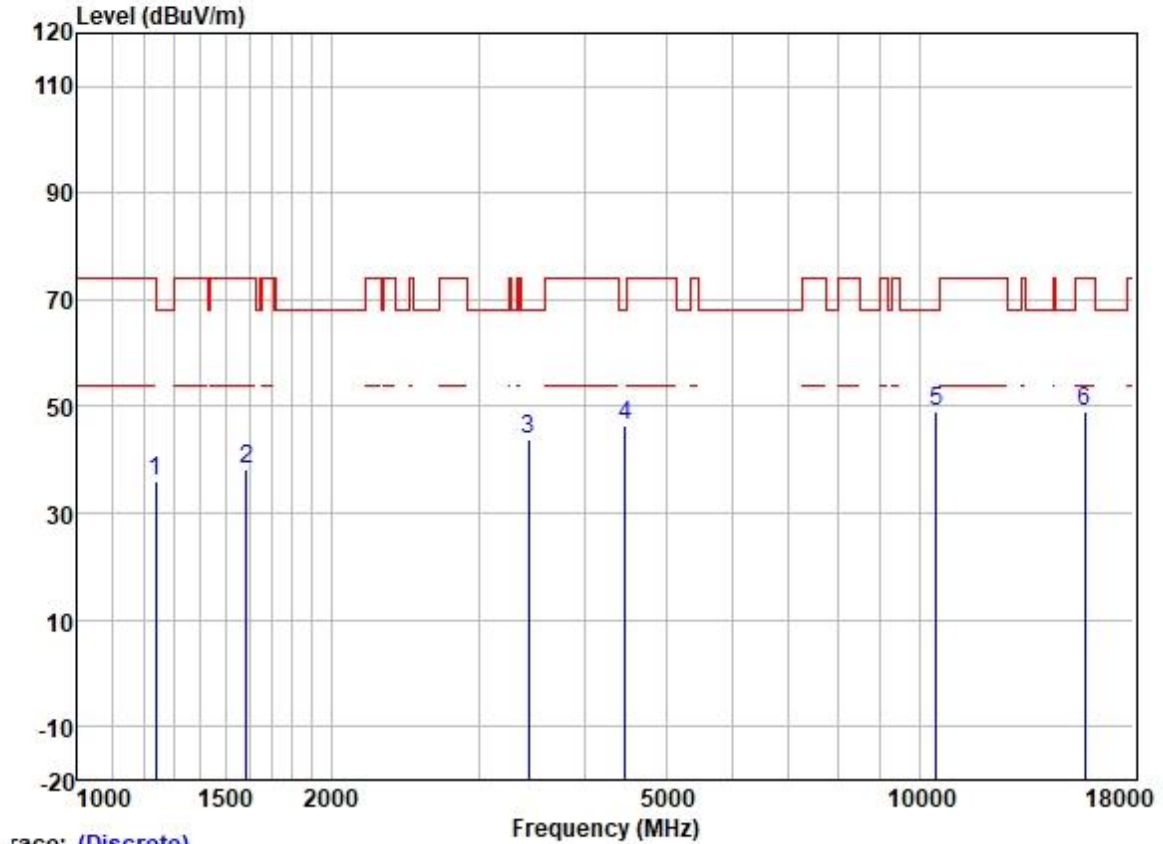
	Read	Antenna	Cable	Preamp	Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1289.627	47.69	25.17	2.55	38.31	37.10	68.20	-31.10	VERTICAL Peak
2	1574.265	47.69	25.56	2.80	38.00	38.05	74.00	-35.95	VERTICAL Peak
3	3455.508	47.95	28.88	4.20	36.96	44.07	68.20	-24.13	VERTICAL Peak
4	4230.396	48.15	30.26	4.61	36.81	46.21	74.00	-27.79	VERTICAL Peak
5	10400.000	40.65	39.33	7.32	37.36	49.94	68.20	-18.26	VERTICAL Peak
6	15600.000	35.31	38.99	9.88	35.39	48.79	74.00	-25.21	VERTICAL Peak



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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



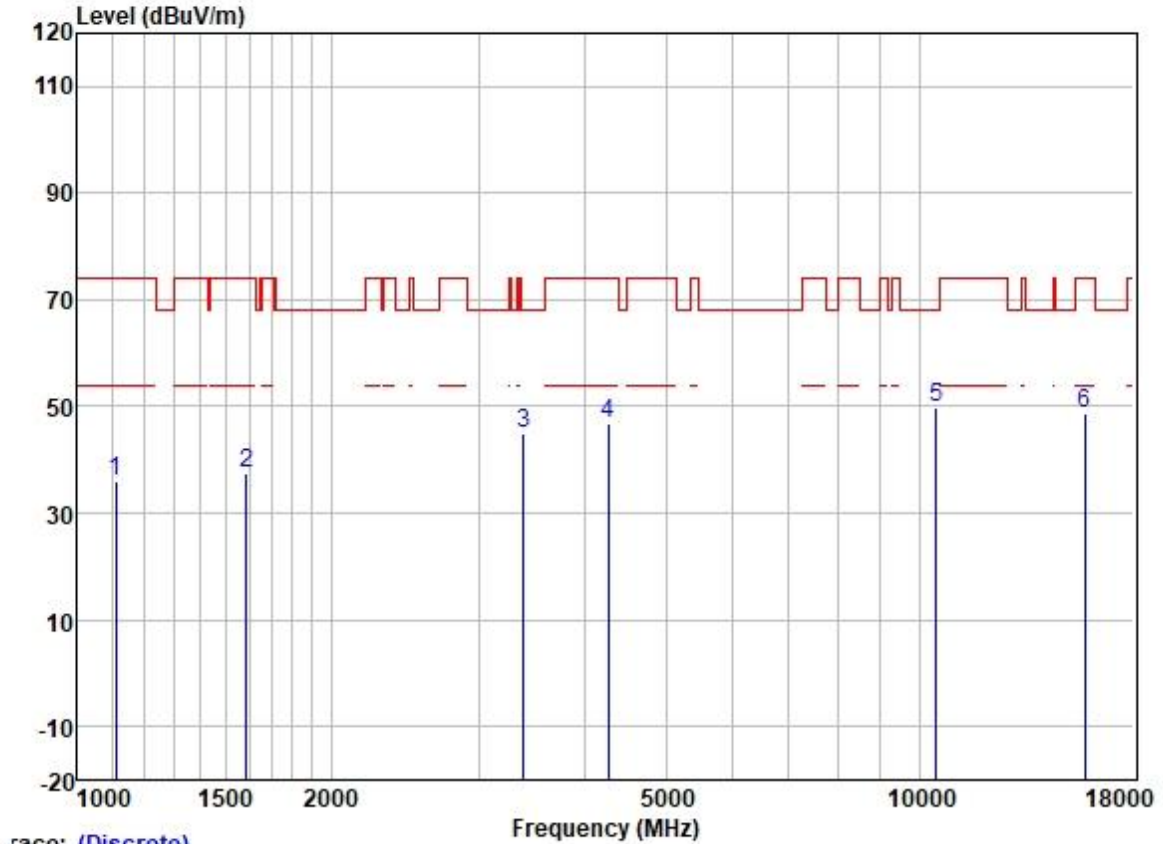
Trace: (Discrete)

	Read	Antenna	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	1238.483	47.06	24.96	2.30	38.35	35.97	74.00	-38.03	HORIZONTAL	Peak
2	1587.975	47.96	25.57	2.80	37.98	38.35	74.00	-35.65	HORIZONTAL	Peak
3	3435.590	47.89	28.87	4.16	36.97	43.95	68.20	-24.25	HORIZONTAL	Peak
4	4469.214	47.40	30.77	4.93	36.81	46.29	68.20	-21.91	HORIZONTAL	Peak
5	10480.000	39.51	39.46	7.40	37.36	49.01	68.20	-19.19	HORIZONTAL	Peak
6	15720.000	35.78	38.78	9.87	35.39	49.04	74.00	-24.96	HORIZONTAL	Peak



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Test Mode: 00; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



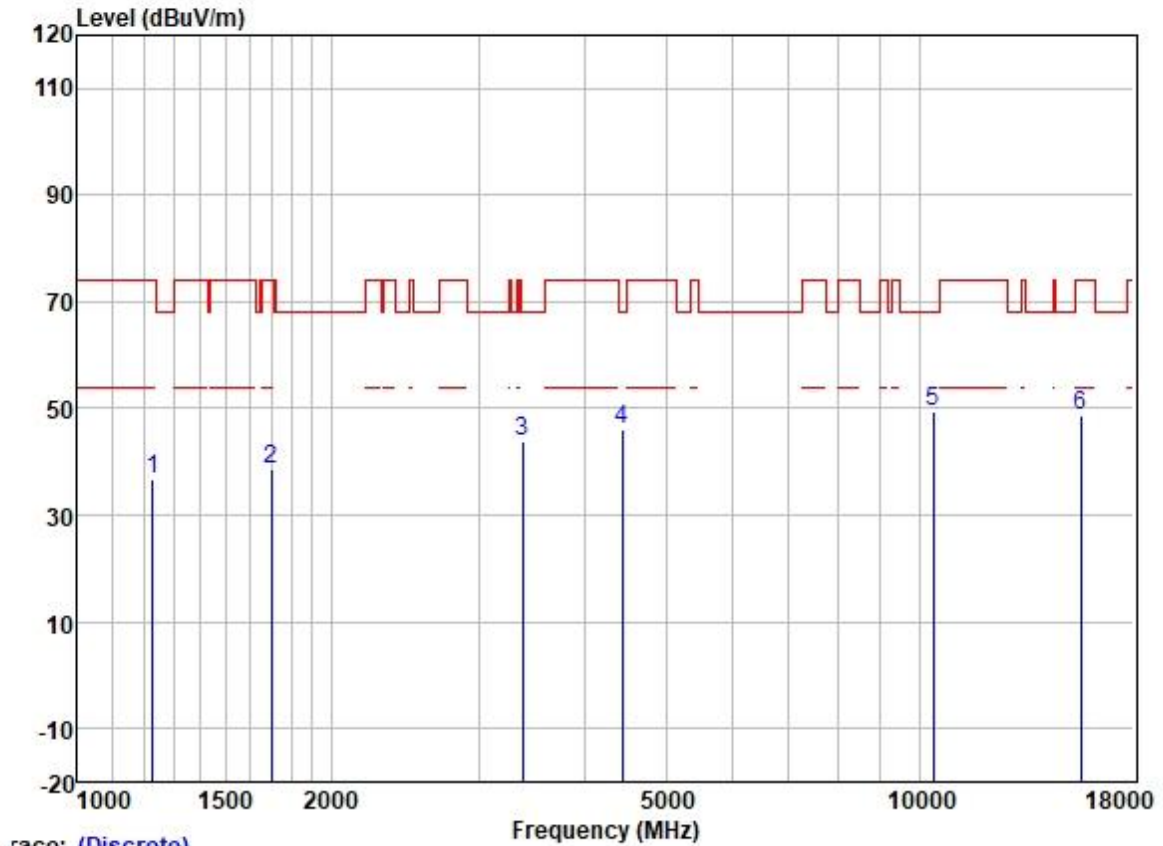
Trace: (Discrete)

	Read	Antenna	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	1109.660	47.79	24.39	2.27	38.45	36.00	74.00	-38.00	VERTICAL	Peak
2	1587.975	47.18	25.57	2.80	37.98	37.57	74.00	-36.43	VERTICAL	Peak
3	3386.297	49.03	28.83	4.10	36.99	44.97	68.20	-23.23	VERTICAL	Peak
4	4267.237	48.66	30.38	4.63	36.81	46.86	74.00	-27.14	VERTICAL	Peak
5	10480.000	40.45	39.46	7.40	37.36	49.95	68.20	-18.25	VERTICAL	Peak
6	15720.000	35.37	38.78	9.87	35.39	48.63	74.00	-25.37	VERTICAL	Peak



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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Trace: (Discrete)

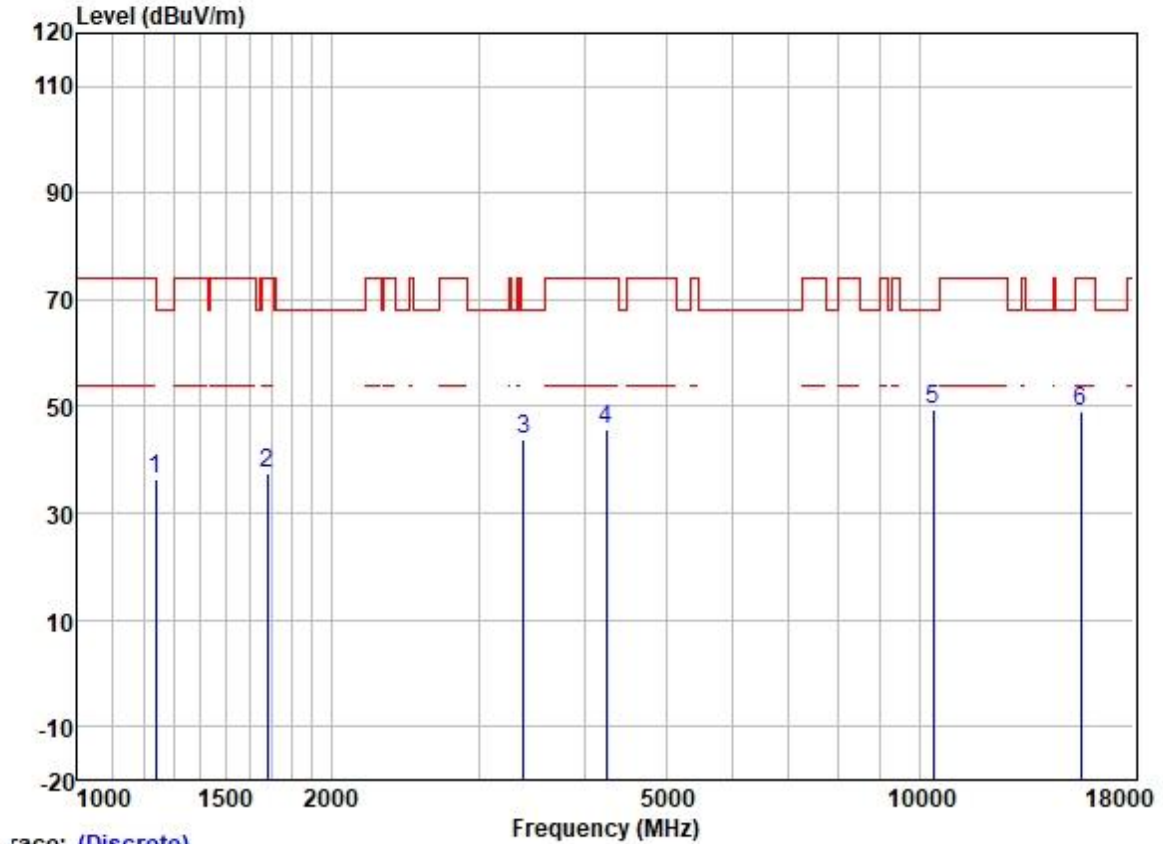
	Read	Antenna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1227.791	47.99	24.88	2.31	38.37	36.81	74.00	-37.19	HORIZONTAL Peak
2	1697.129	48.02	25.71	2.80	37.89	38.64	74.00	-35.36	HORIZONTAL Peak
3	3376.523	47.87	28.83	4.09	36.99	43.80	68.20	-24.40	HORIZONTAL Peak
4	4443.453	47.30	30.73	4.83	36.81	46.05	68.20	-22.15	HORIZONTAL Peak
5	10380.000	40.33	39.33	7.32	37.37	49.61	68.20	-18.59	HORIZONTAL Peak
6	15570.000	35.32	38.99	9.88	35.39	48.80	74.00	-25.20	HORIZONTAL Peak



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Test Mode: 00; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



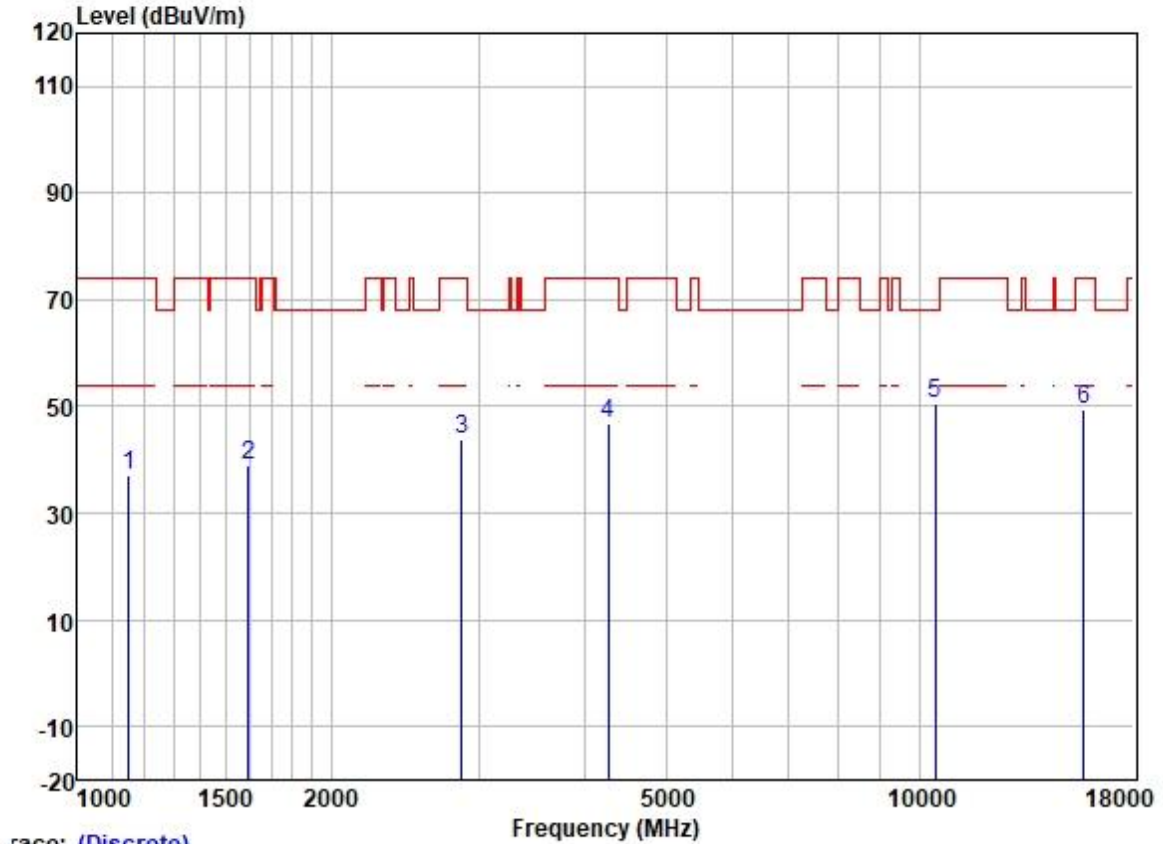
Trace: (Discrete)

	Read	Antenna	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	1238.483	47.42	24.96	2.30	38.35	36.33	74.00	-37.67	VERTICAL	Peak
2	1682.477	47.04	25.68	2.80	37.91	37.61	74.00	-36.39	VERTICAL	Peak
3	3386.297	48.02	28.83	4.10	36.99	43.96	68.20	-24.24	VERTICAL	Peak
4	4242.641	47.51	30.30	4.62	36.81	45.62	74.00	-28.38	VERTICAL	Peak
5	10380.000	40.20	39.33	7.32	37.37	49.48	68.20	-18.72	VERTICAL	Peak
6	15570.000	35.70	38.99	9.88	35.39	49.18	74.00	-24.82	VERTICAL	Peak



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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



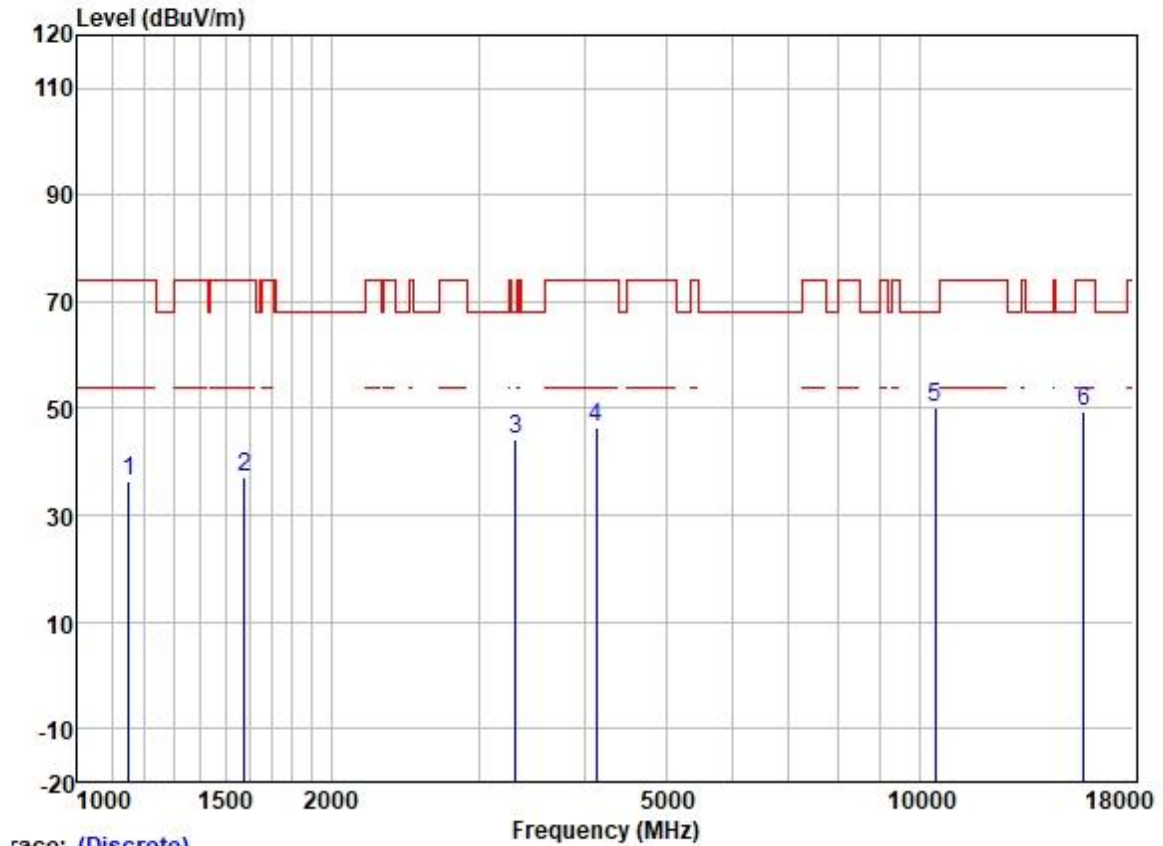
Trace: (Discrete)

	Read	Antenna	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	1152.148	48.79	24.50	2.36	38.42	37.23	74.00	-36.77	HORIZONTAL	Peak
2	1597.181	48.51	25.58	2.80	37.98	38.91	74.00	-35.09	HORIZONTAL	Peak
3	2863.645	49.43	28.25	3.70	37.36	44.02	74.00	-29.98	HORIZONTAL	Peak
4	4267.237	48.51	30.38	4.63	36.81	46.71	74.00	-27.29	HORIZONTAL	Peak
5	10460.000	41.07	39.42	7.37	37.36	50.50	68.20	-17.70	HORIZONTAL	Peak
6	15690.000	36.15	38.86	9.87	35.39	49.49	74.00	-24.51	HORIZONTAL	Peak



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Test Mode: 00; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Trace: (Discrete)

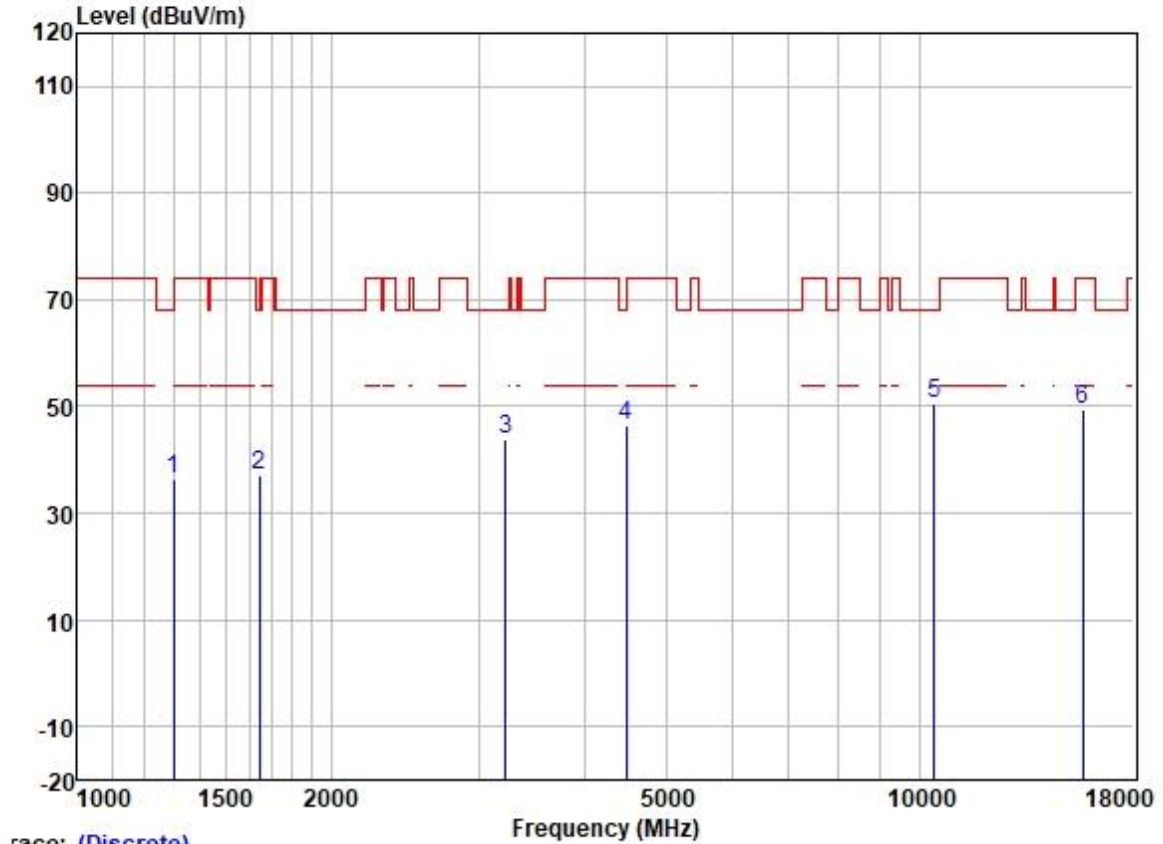
	Read	Antenna	Cable	Preamp		Limit	Over			
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1152.148	47.92	24.50	2.36	38.42	36.36	74.00	-37.64	VERTICAL	Peak
2	1578.822	46.66	25.56	2.80	38.00	37.02	74.00	-36.98	VERTICAL	Peak
3	3318.471	48.24	28.77	4.07	37.02	44.06	68.20	-24.14	VERTICAL	Peak
4	4133.699	48.48	30.01	4.60	36.80	46.29	74.00	-27.71	VERTICAL	Peak
5	10460.000	40.81	39.42	7.37	37.36	50.24	68.20	-17.96	VERTICAL	Peak
6	15690.000	36.10	38.86	9.87	35.39	49.44	74.00	-24.56	VERTICAL	Peak



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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



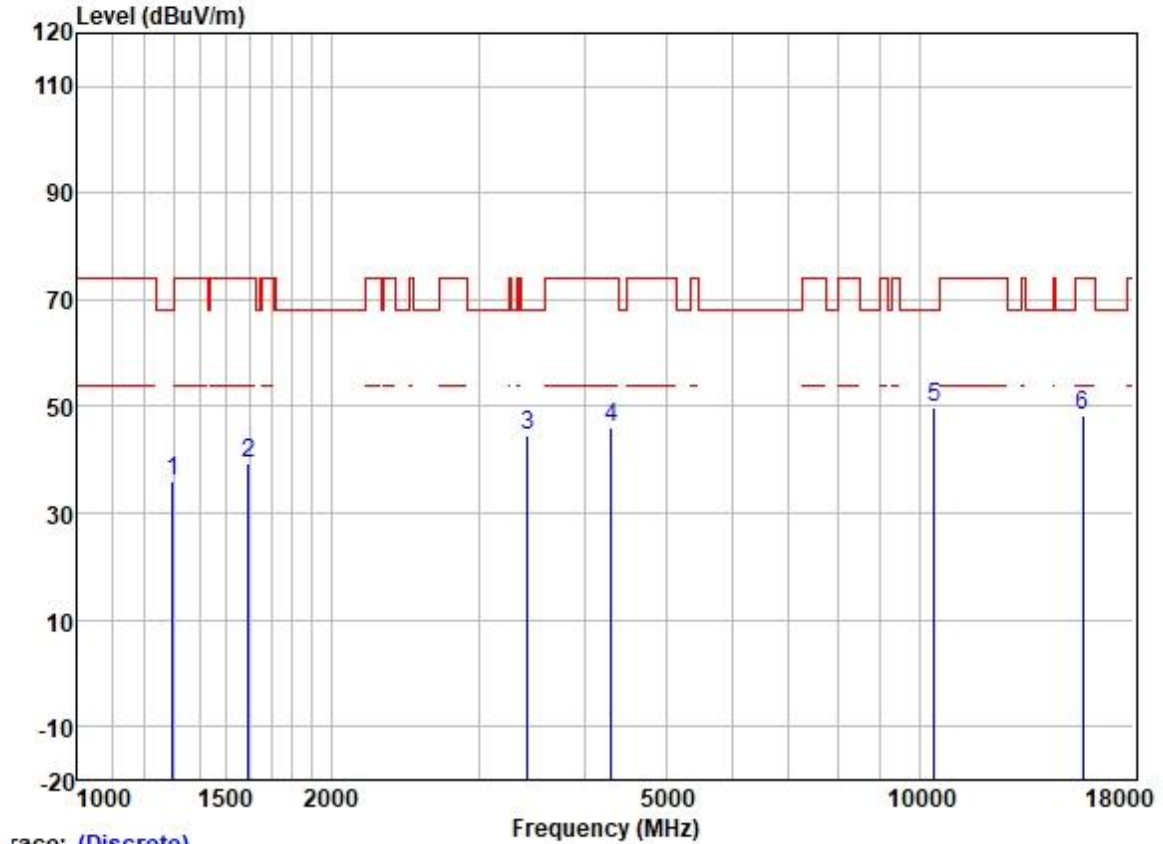
Trace: (Discrete)

	Read	Antenna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1300.858	46.90	25.20	2.60	38.31	36.39	74.00	-37.61	HORIZONTAL Peak
2	1644.019	46.72	25.63	2.80	37.93	37.22	68.20	-30.98	HORIZONTAL Peak
3	3223.928	48.10	28.63	4.01	37.07	43.67	68.20	-24.53	HORIZONTAL Peak
4	4482.150	47.41	30.78	4.99	36.81	46.37	68.20	-21.83	HORIZONTAL Peak
5	10420.000	41.28	39.38	7.35	37.36	50.65	68.20	-17.55	HORIZONTAL Peak
6	15630.000	35.95	38.92	9.87	35.39	49.35	74.00	-24.65	HORIZONTAL Peak



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Test Mode: 00; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



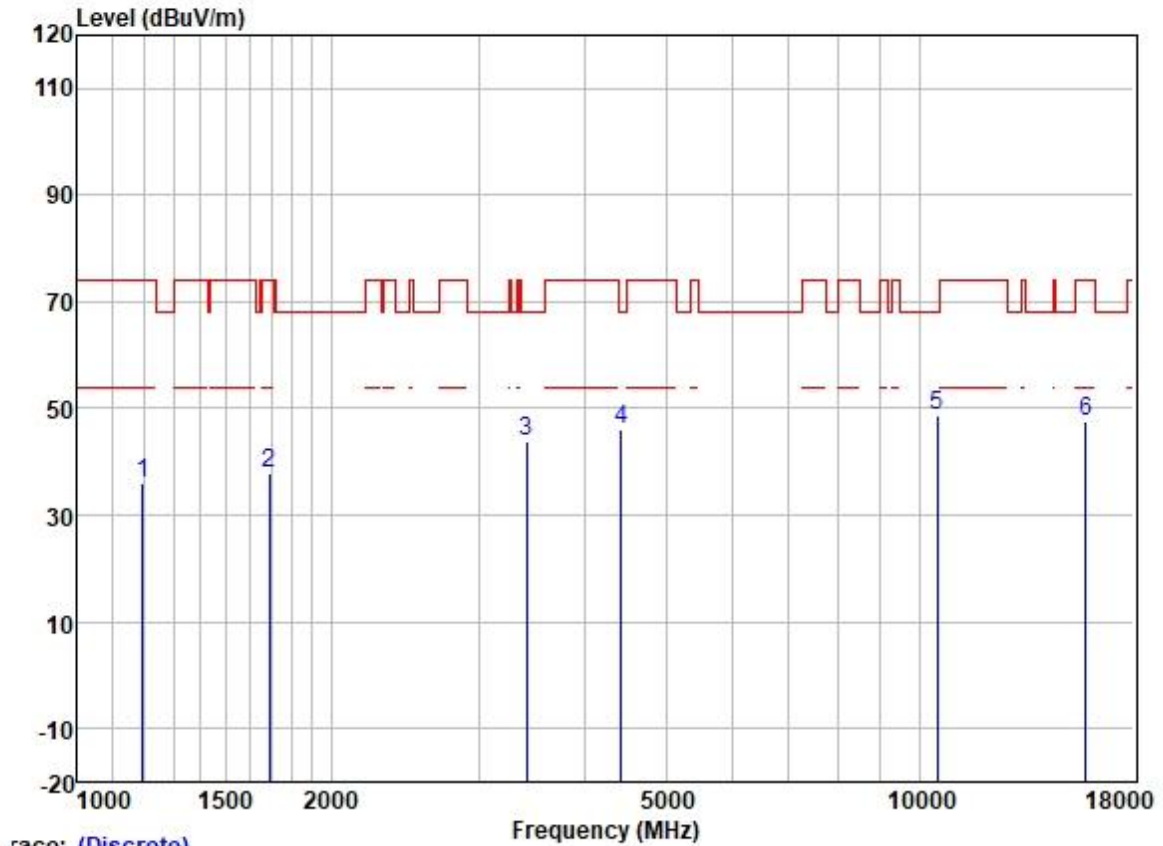
Trace: (Discrete)

	Read	Antenna	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	1297.103	46.69	25.19	2.58	38.31	36.15	68.20	-32.05	VERTICAL Peak
2	1597.181	48.81	25.58	2.80	37.98	39.21	74.00	-34.79	VERTICAL Peak
3	3425.675	48.40	28.86	4.15	36.97	44.44	68.20	-23.76	VERTICAL Peak
4	4304.400	47.78	30.48	4.65	36.81	46.10	74.00	-27.90	VERTICAL Peak
5	10420.000	40.44	39.38	7.35	37.36	49.81	68.20	-18.39	VERTICAL Peak
6	15630.000	34.95	38.92	9.87	35.39	48.35	74.00	-25.65	VERTICAL Peak



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Test Mode: 01; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

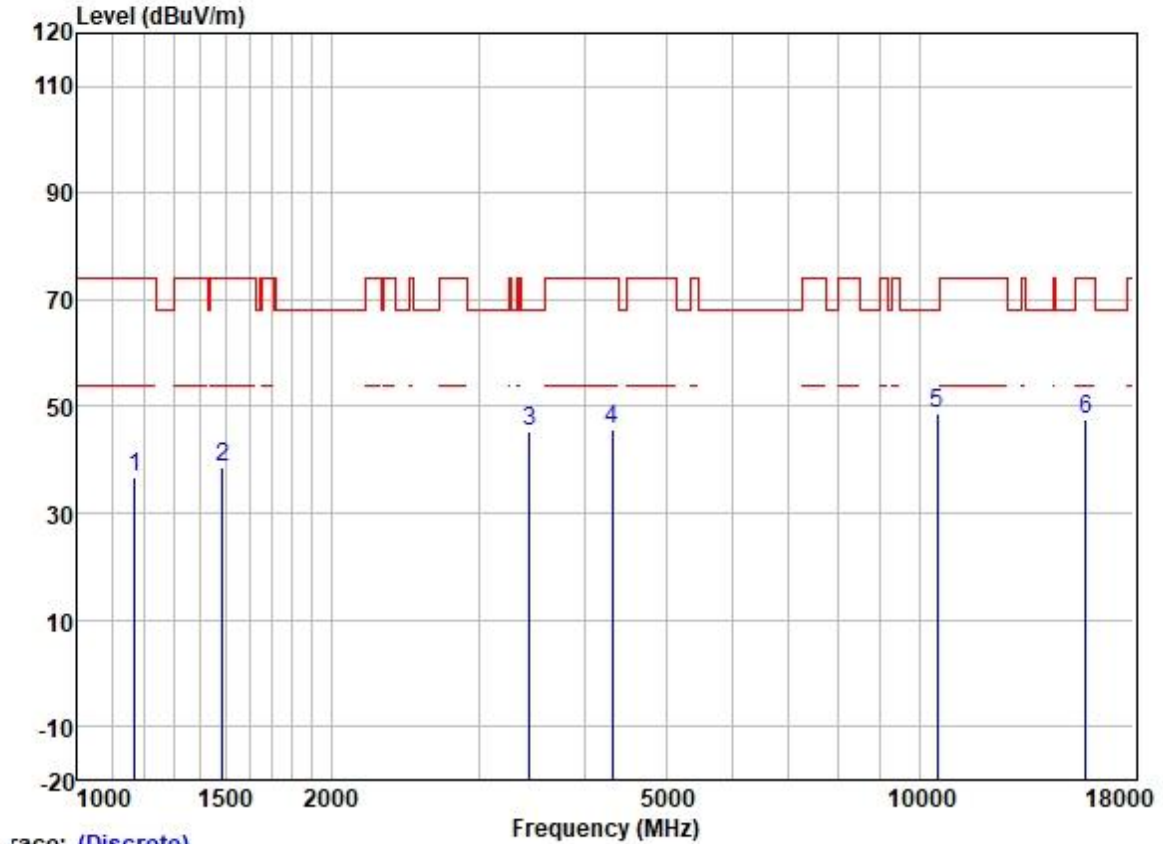
	Read	Antenna	Cable	Preamp	Limit	Over				
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1196.264	47.43	24.67	2.35	38.39	36.06	74.00	-37.94	HORIZONTAL	Peak
2	1692.231	47.19	25.70	2.80	37.89	37.80	74.00	-36.20	HORIZONTAL	Peak
3	3415.787	47.71	28.85	4.13	36.97	43.72	68.20	-24.48	HORIZONTAL	Peak
4	4430.628	47.46	30.72	4.78	36.81	46.15	68.20	-22.05	HORIZONTAL	Peak
5	10520.000	39.11	39.50	7.42	37.35	48.68	68.20	-19.52	HORIZONTAL	Peak
6	15780.000	34.33	38.70	9.86	35.39	47.50	74.00	-26.50	HORIZONTAL	Peak



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Test Mode: 01; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



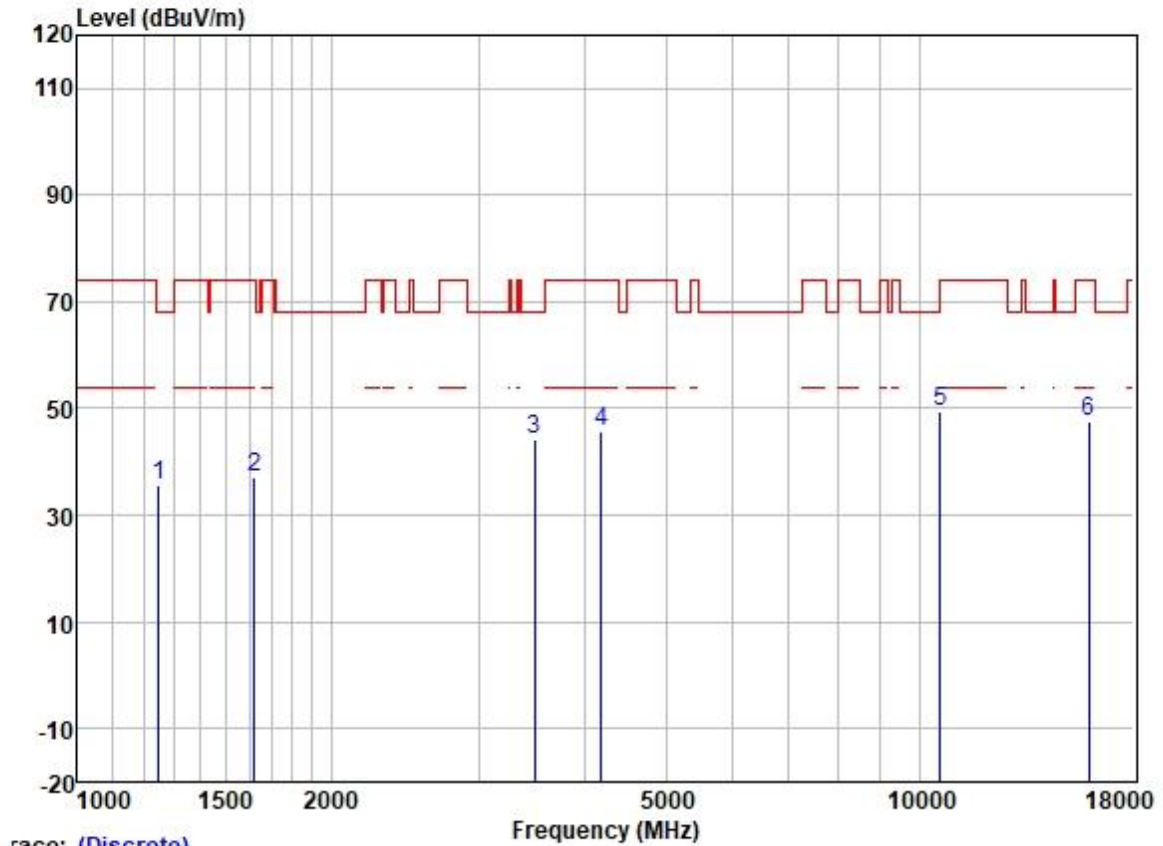
Trace: (Discrete)

	Read	Antenna	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	1168.920	48.12	24.55	2.39	38.40	36.66	74.00	-37.34	VERTICAL	Peak
2	1485.841	48.54	25.49	2.78	38.13	38.68	74.00	-35.32	VERTICAL	Peak
3	3445.535	49.19	28.87	4.18	36.96	45.28	68.20	-22.92	VERTICAL	Peak
4	4316.859	47.18	30.51	4.66	36.81	45.54	74.00	-28.46	VERTICAL	Peak
5	10520.000	38.96	39.50	7.42	37.35	48.53	68.20	-19.67	VERTICAL	Peak
6	15780.000	34.52	38.70	9.86	35.39	47.69	74.00	-26.31	VERTICAL	Peak



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Test Mode: 01; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



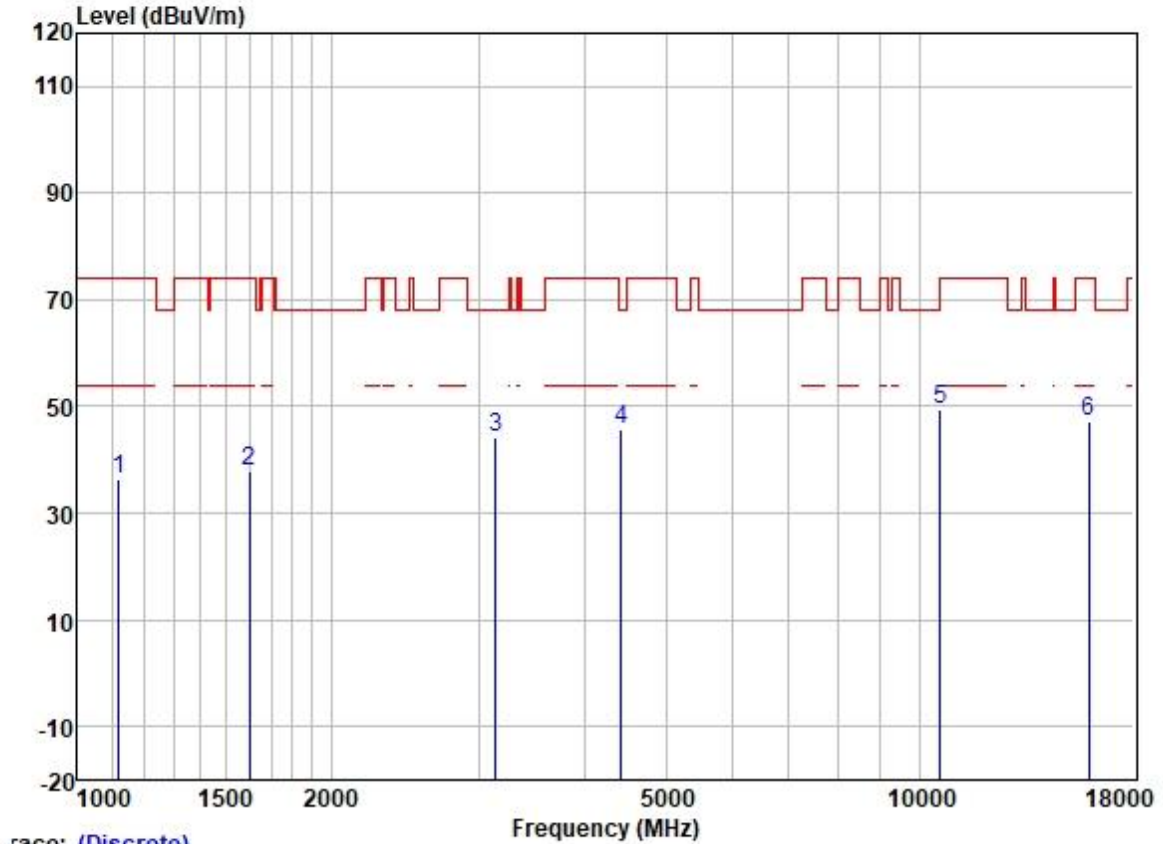
Trace: (Discrete)

	Read	Antenna	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	1249.269	46.60	25.02	2.34	38.35	35.61	68.20	-32.59	HORIZONTAL	Peak
2	1620.431	46.83	25.60	2.80	37.95	37.28	74.00	-36.72	HORIZONTAL	Peak
3	3495.691	48.03	28.90	4.30	36.94	44.29	68.20	-23.91	HORIZONTAL	Peak
4	4193.872	47.72	30.15	4.60	36.81	45.66	74.00	-28.34	HORIZONTAL	Peak
5	10600.000	39.75	39.59	7.46	37.34	49.46	68.20	-18.74	HORIZONTAL	Peak
6	15900.000	34.66	38.44	9.86	35.40	47.56	74.00	-26.44	HORIZONTAL	Peak



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Test Mode: 01; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Trace: (Discrete)

	Read	Antenna	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	1119.323	48.05	24.41	2.24	38.43	36.27	74.00	-37.73	VERTICAL Peak
2	1601.804	47.65	25.58	2.80	37.98	38.05	74.00	-35.95	VERTICAL Peak
3	3141.145	48.87	28.51	3.95	37.12	44.21	68.20	-23.99	VERTICAL Peak
4	4430.628	47.01	30.72	4.78	36.81	45.70	68.20	-22.50	VERTICAL Peak
5	10600.000	39.84	39.59	7.46	37.34	49.55	68.20	-18.65	VERTICAL Peak
6	15900.000	34.43	38.44	9.86	35.40	47.33	74.00	-26.67	VERTICAL Peak



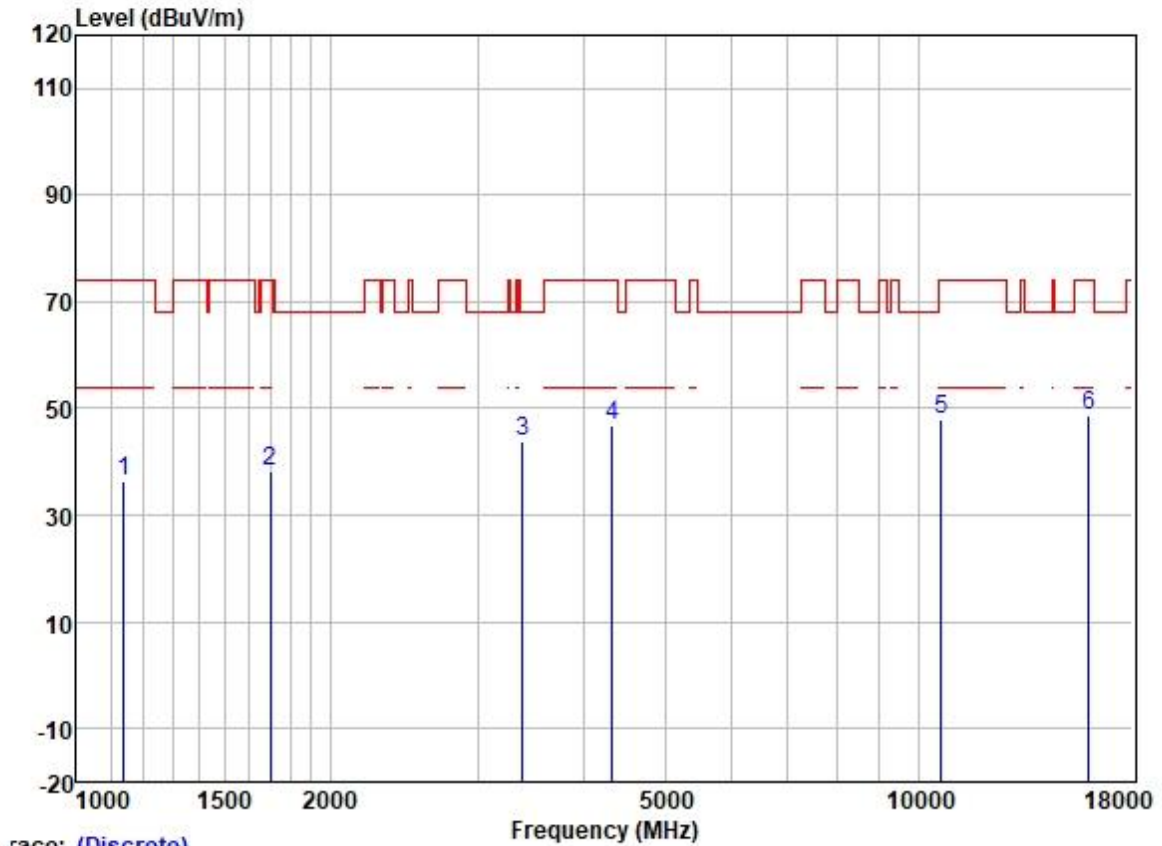
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



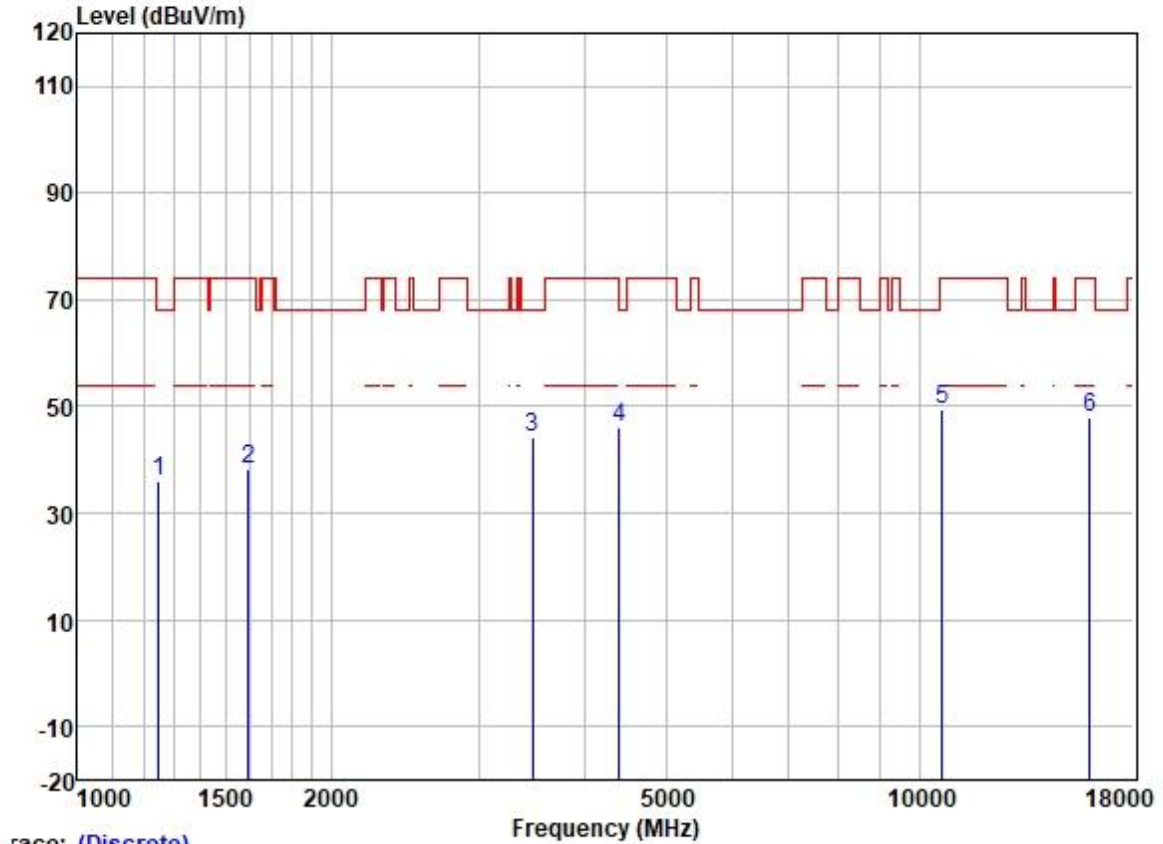
Trace: (Discrete)

	Read	Antenna	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	1138.904	47.98	24.46	2.27	38.42	36.29	74.00	-37.71	HORIZONTAL	Peak
2	1697.129	47.56	25.71	2.80	37.89	38.18	74.00	-35.82	HORIZONTAL	Peak
3	3386.297	47.82	28.83	4.10	36.99	43.76	68.20	-24.44	HORIZONTAL	Peak
4	4329.354	48.36	30.54	4.67	36.81	46.76	74.00	-27.24	HORIZONTAL	Peak
5	10640.000	38.17	39.63	7.48	37.33	47.95	74.00	-26.05	HORIZONTAL	Peak
6	15960.000	35.86	38.37	9.85	35.40	48.68	74.00	-25.32	HORIZONTAL	Peak



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Test Mode: 01; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



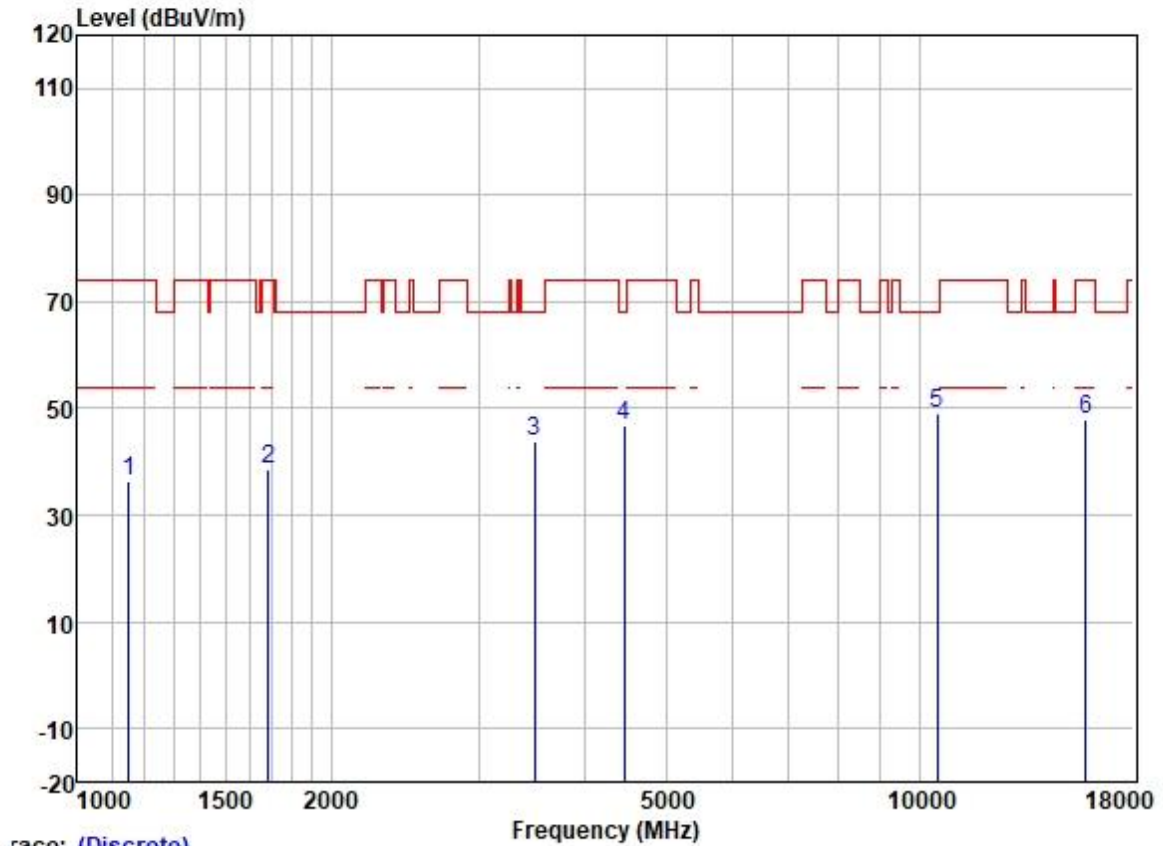
Trace: (Discrete)

	Read	Antenna	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	1249.269	46.95	25.02	2.34	38.35	35.96	68.20	-32.24	VERTICAL	Peak
2	1597.181	47.75	25.58	2.80	37.98	38.15	74.00	-35.85	VERTICAL	Peak
3	3475.541	47.88	28.89	4.25	36.95	44.07	68.20	-24.13	VERTICAL	Peak
4	4405.090	47.53	30.68	4.70	36.81	46.10	68.20	-22.10	VERTICAL	Peak
5	10640.000	39.76	39.63	7.48	37.33	49.54	74.00	-24.46	VERTICAL	Peak
6	15960.000	35.12	38.37	9.85	35.40	47.94	74.00	-26.06	VERTICAL	Peak



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Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

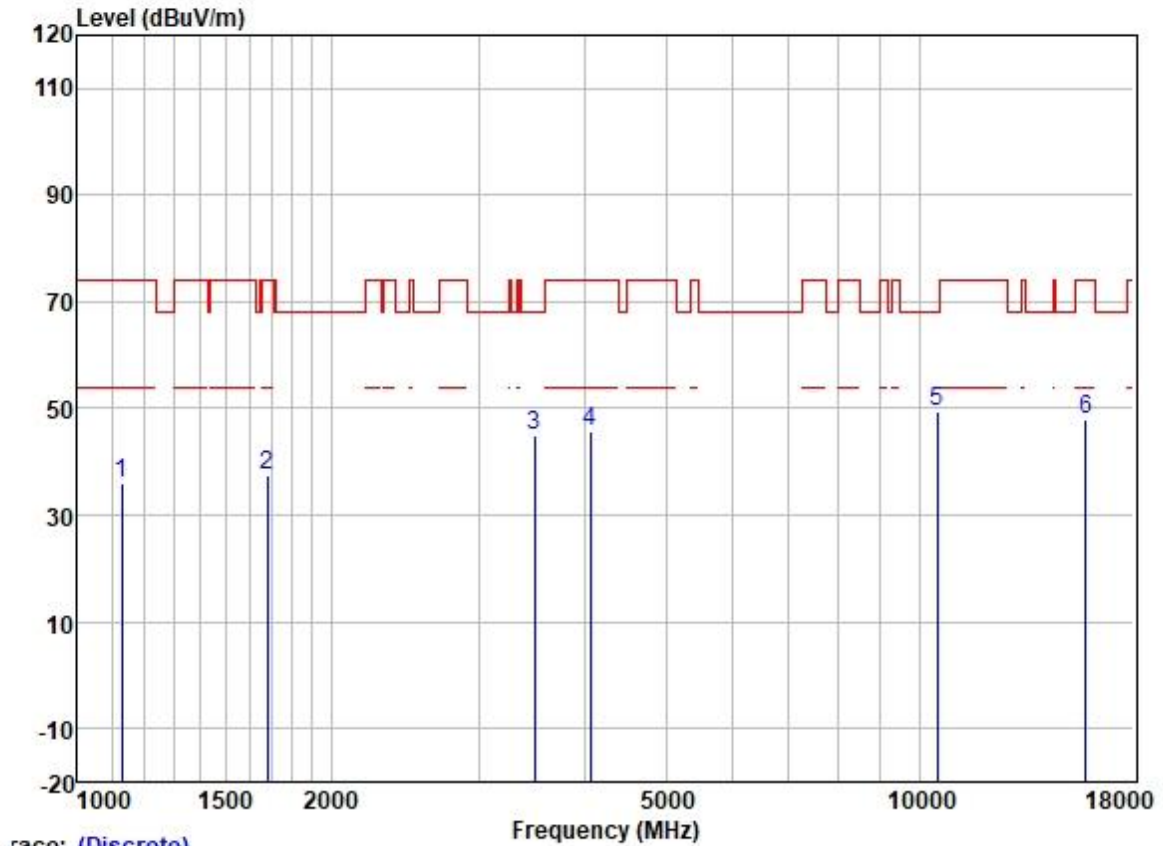
	Read	Antenna	Cable	Preamp	Limit	Over				
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1152.148	47.95	24.50	2.36	38.42	36.39	74.00	-37.61	HORIZONTAL	Peak
2	1687.347	47.86	25.69	2.80	37.91	38.44	74.00	-35.56	HORIZONTAL	Peak
3	3495.691	47.40	28.90	4.30	36.94	43.66	68.20	-24.54	HORIZONTAL	Peak
4	4456.315	48.03	30.75	4.88	36.81	46.85	68.20	-21.35	HORIZONTAL	Peak
5	10520.000	39.33	39.50	7.42	37.35	48.90	68.20	-19.30	HORIZONTAL	Peak
6	15780.000	34.78	38.70	9.86	35.39	47.95	74.00	-26.05	HORIZONTAL	Peak



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Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



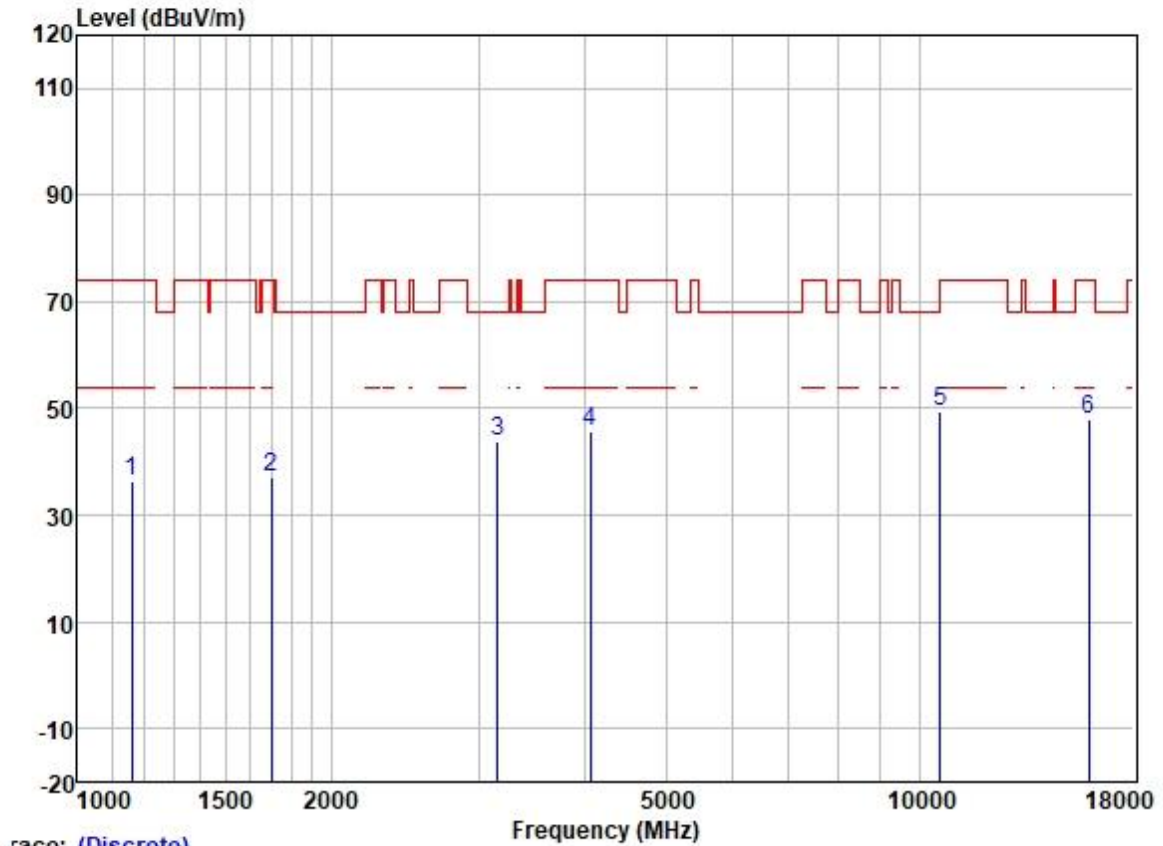
Trace: (Discrete)

	Read	Antenna	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	1129.072	47.75	24.43	2.20	38.43	35.95	74.00	-38.05	VERTICAL	Peak
2	1682.477	47.03	25.68	2.80	37.91	37.60	74.00	-36.40	VERTICAL	Peak
3	3495.691	48.83	28.90	4.30	36.94	45.09	68.20	-23.11	VERTICAL	Peak
4	4062.629	48.15	29.88	4.60	36.80	45.83	74.00	-28.17	VERTICAL	Peak
5	10520.000	39.72	39.50	7.42	37.35	49.29	68.20	-18.91	VERTICAL	Peak
6	15780.000	34.77	38.70	9.86	35.39	47.94	74.00	-26.06	VERTICAL	Peak



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Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



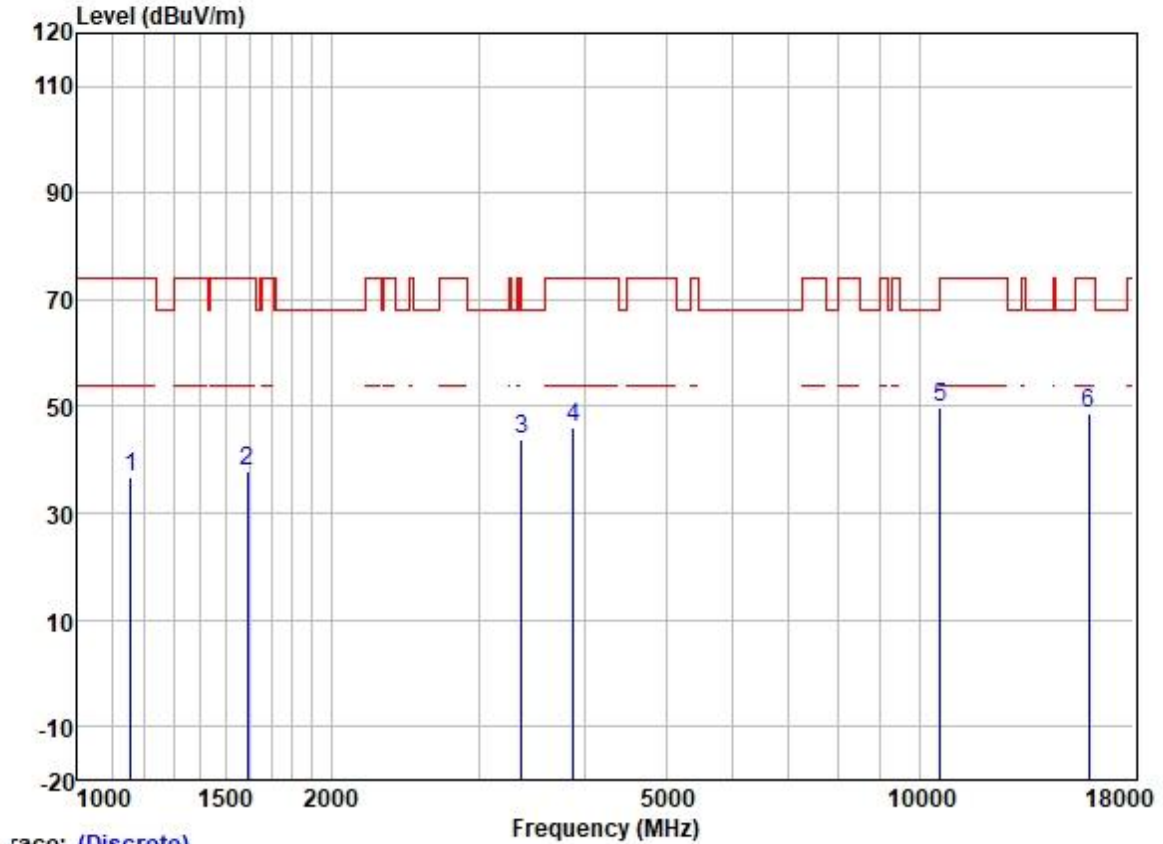
Trace: (Discrete)

	Read	Antenna	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	1158.828	47.75	24.52	2.40	38.42	36.25	74.00	-37.75	HORIZONTAL	Peak
2	1697.129	46.42	25.71	2.80	37.89	37.04	74.00	-36.96	HORIZONTAL	Peak
3	3159.355	48.31	28.54	3.97	37.12	43.70	68.20	-24.50	HORIZONTAL	Peak
4	4062.629	47.84	29.88	4.60	36.80	45.52	74.00	-28.48	HORIZONTAL	Peak
5	10600.000	39.72	39.59	7.46	37.34	49.43	68.20	-18.77	HORIZONTAL	Peak
6	15900.000	35.16	38.44	9.86	35.40	48.06	74.00	-25.94	HORIZONTAL	Peak



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Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Trace: (Discrete)

	Read	Antenna	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	1155.483	48.10	24.51	2.38	38.42	36.57	74.00	-37.43	VERTICAL Peak
2	1592.571	47.49	25.57	2.80	37.98	37.88	74.00	-36.12	VERTICAL Peak
3	3366.778	48.08	28.82	4.09	36.99	44.00	68.20	-24.20	VERTICAL Peak
4	3879.027	48.54	29.66	4.60	36.83	45.97	74.00	-28.03	VERTICAL Peak
5	10600.000	40.03	39.59	7.46	37.34	49.74	68.20	-18.46	VERTICAL Peak
6	15900.000	35.76	38.44	9.86	35.40	48.66	74.00	-25.34	VERTICAL Peak

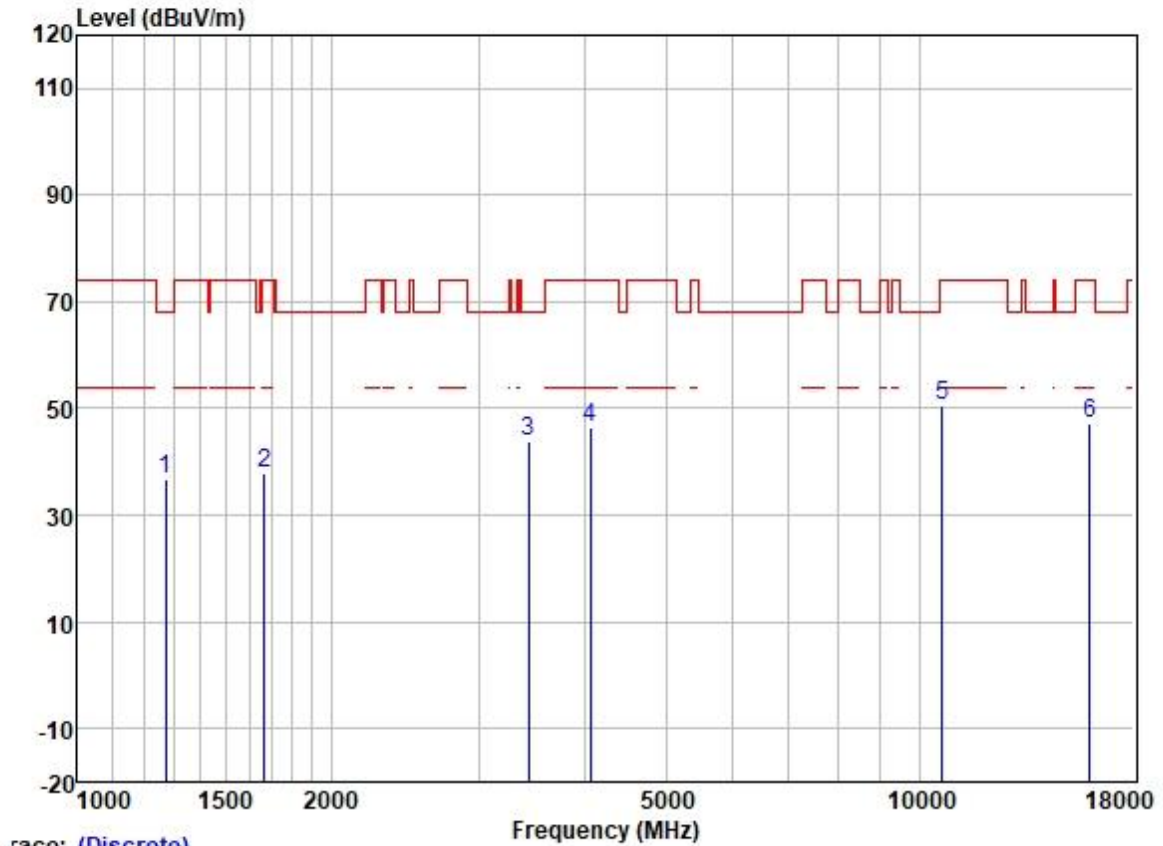


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Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

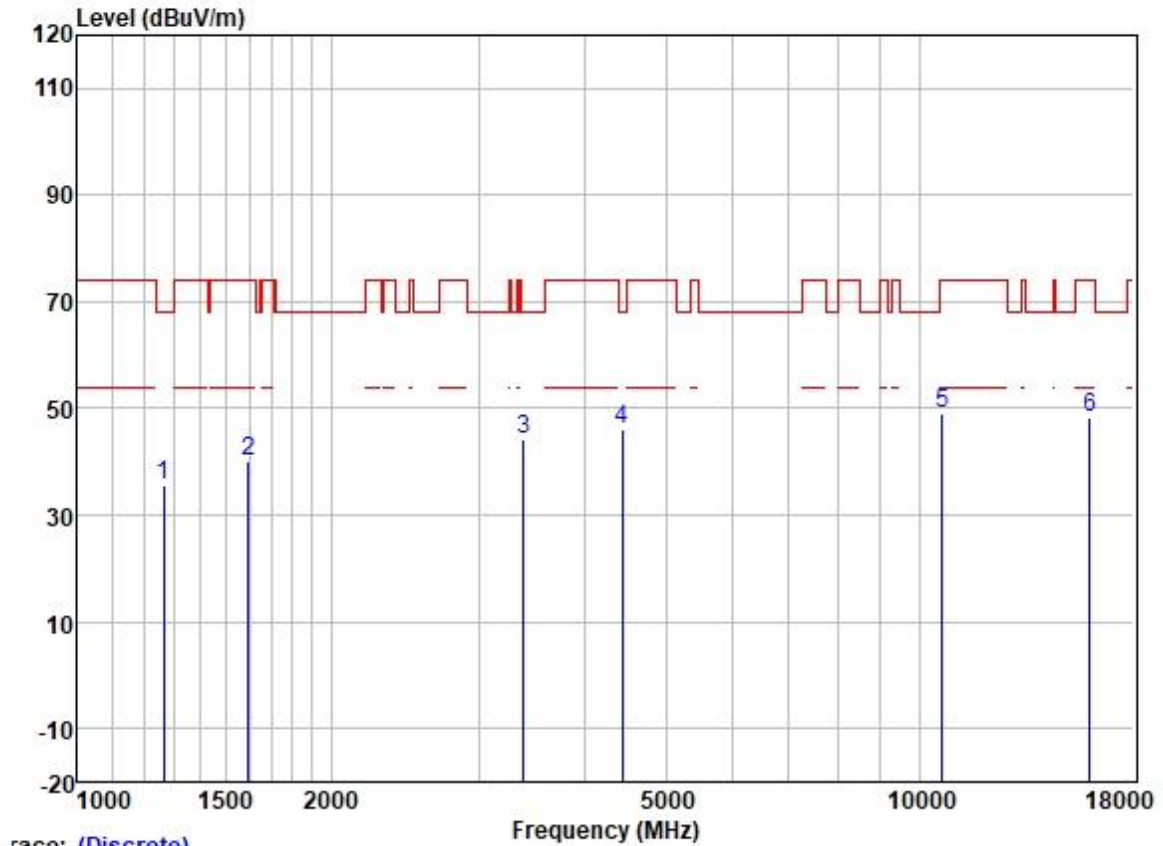
	Read	Antenna	Cable	Preamp		Limit	Over			
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1271.123	47.66	25.11	2.46	38.33	36.90	68.20	-31.30	HORIZONTAL	Peak
2	1667.951	47.15	25.66	2.80	37.91	37.70	74.00	-36.30	HORIZONTAL	Peak
3	3435.590	47.90	28.87	4.16	36.97	43.96	68.20	-24.24	HORIZONTAL	Peak
4	4062.629	48.61	29.88	4.60	36.80	46.29	74.00	-27.71	HORIZONTAL	Peak
5	10640.000	40.65	39.63	7.48	37.33	50.43	74.00	-23.57	HORIZONTAL	Peak
6	15960.000	34.53	38.37	9.85	35.40	47.35	74.00	-26.65	HORIZONTAL	Peak



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Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



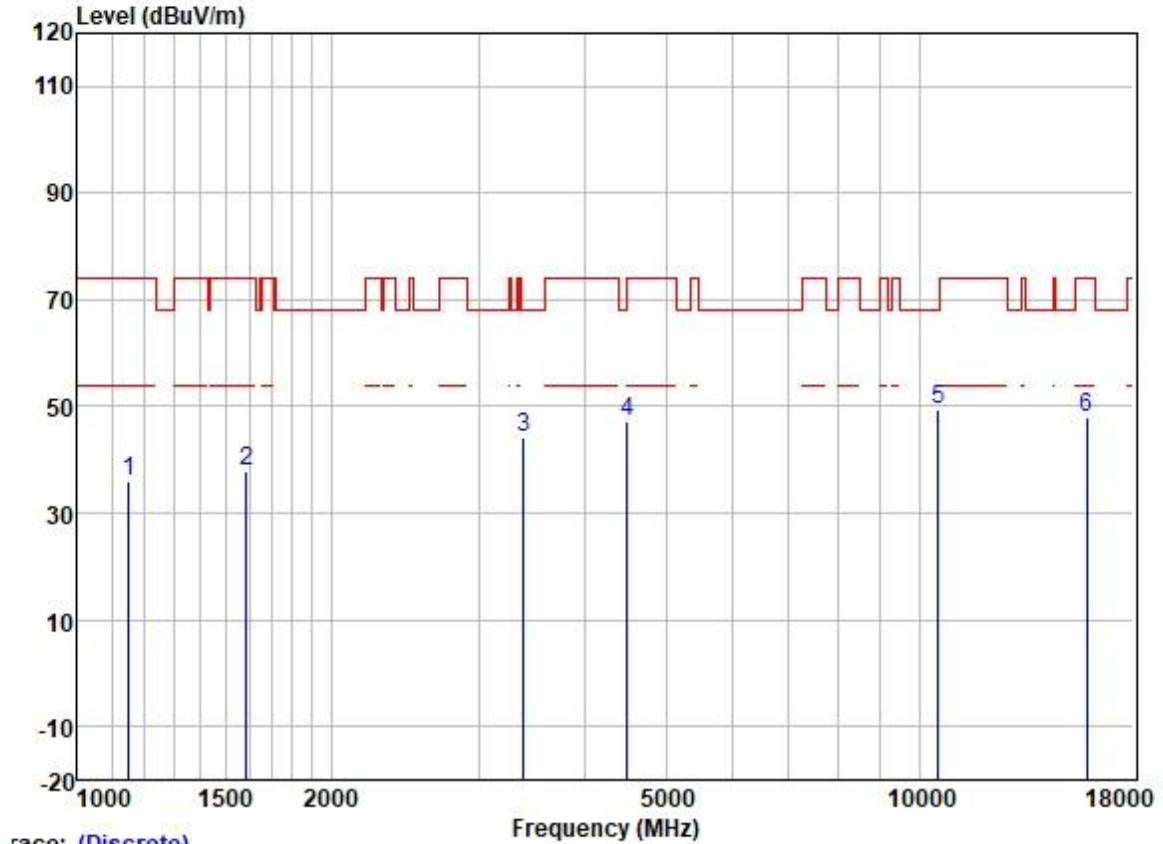
Trace: (Discrete)

	Read	Antenna	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	1267.454	46.52	25.10	2.44	38.33	35.73	68.20	-32.47	VERTICAL	Peak
2	1597.181	49.62	25.58	2.80	37.98	40.02	74.00	-33.98	VERTICAL	Peak
3	3386.297	48.23	28.83	4.10	36.99	44.17	68.20	-24.03	VERTICAL	Peak
4	4443.453	47.17	30.73	4.83	36.81	45.92	68.20	-22.28	VERTICAL	Peak
5	10640.000	39.24	39.63	7.48	37.33	49.02	74.00	-24.98	VERTICAL	Peak
6	15960.000	35.33	38.37	9.85	35.40	48.15	74.00	-25.85	VERTICAL	Peak



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Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Trace: (Discrete)

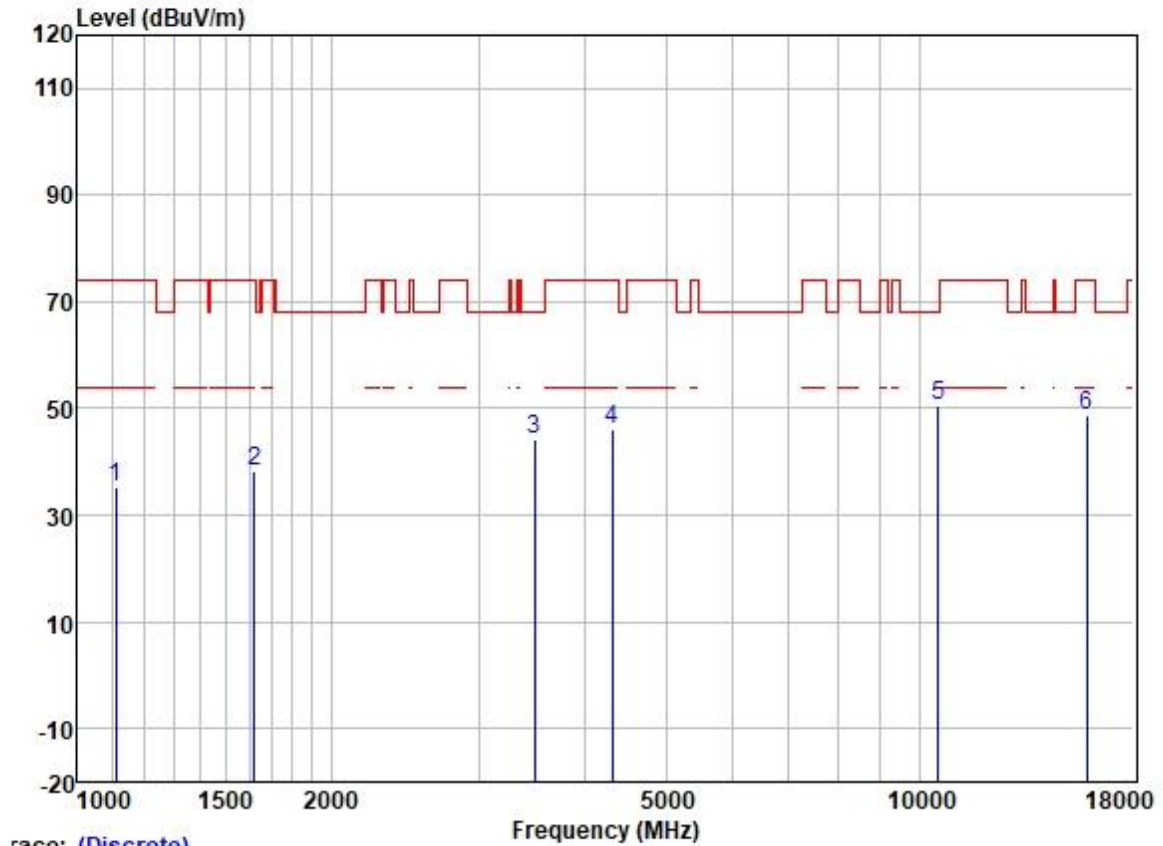
	Read	Antenna	Cable	Preamp		Limit	Over			
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1152.148	47.74	24.50	2.36	38.42	36.18	74.00	-37.82	HORIZONTAL	Peak
2	1587.975	47.34	25.57	2.80	37.98	37.73	74.00	-36.27	HORIZONTAL	Peak
3	3386.297	48.27	28.83	4.10	36.99	44.21	68.20	-23.99	HORIZONTAL	Peak
4	4495.125	48.28	30.80	5.05	36.82	47.31	68.20	-20.89	HORIZONTAL	Peak
5	10540.000	39.92	39.53	7.43	37.35	49.53	68.20	-18.67	HORIZONTAL	Peak
6	15810.000	35.00	38.61	9.86	35.39	48.08	74.00	-25.92	HORIZONTAL	Peak



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Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



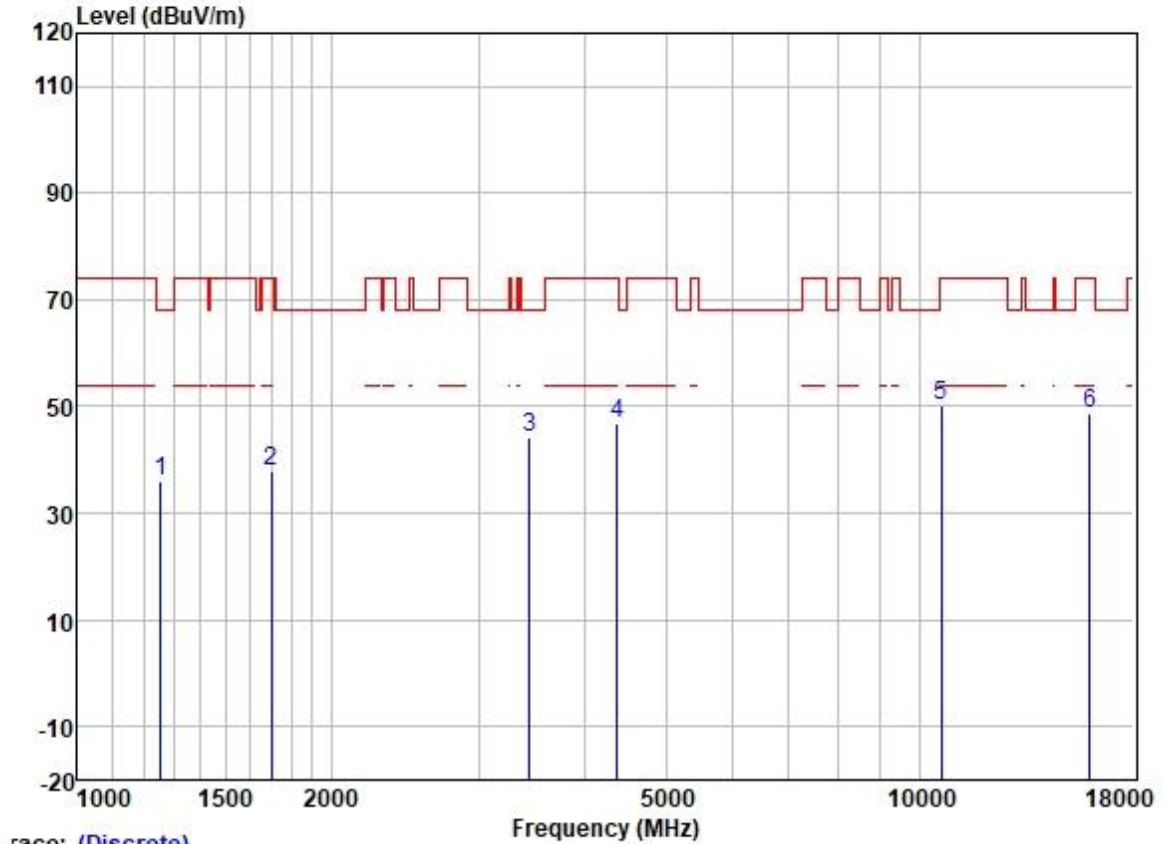
Trace: (Discrete)

	Read	Antenna	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	1109.660	47.17	24.39	2.27	38.45	35.38	74.00	-38.62	VERTICAL	Peak
2	1620.431	47.86	25.60	2.80	37.95	38.31	74.00	-35.69	VERTICAL	Peak
3	3495.691	48.12	28.90	4.30	36.94	44.38	68.20	-23.82	VERTICAL	Peak
4	4316.859	47.67	30.51	4.66	36.81	46.03	74.00	-27.97	VERTICAL	Peak
5	10540.000	41.11	39.53	7.43	37.35	50.72	68.20	-17.48	VERTICAL	Peak
6	15810.000	35.44	38.61	9.86	35.39	48.52	74.00	-25.48	VERTICAL	Peak



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Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



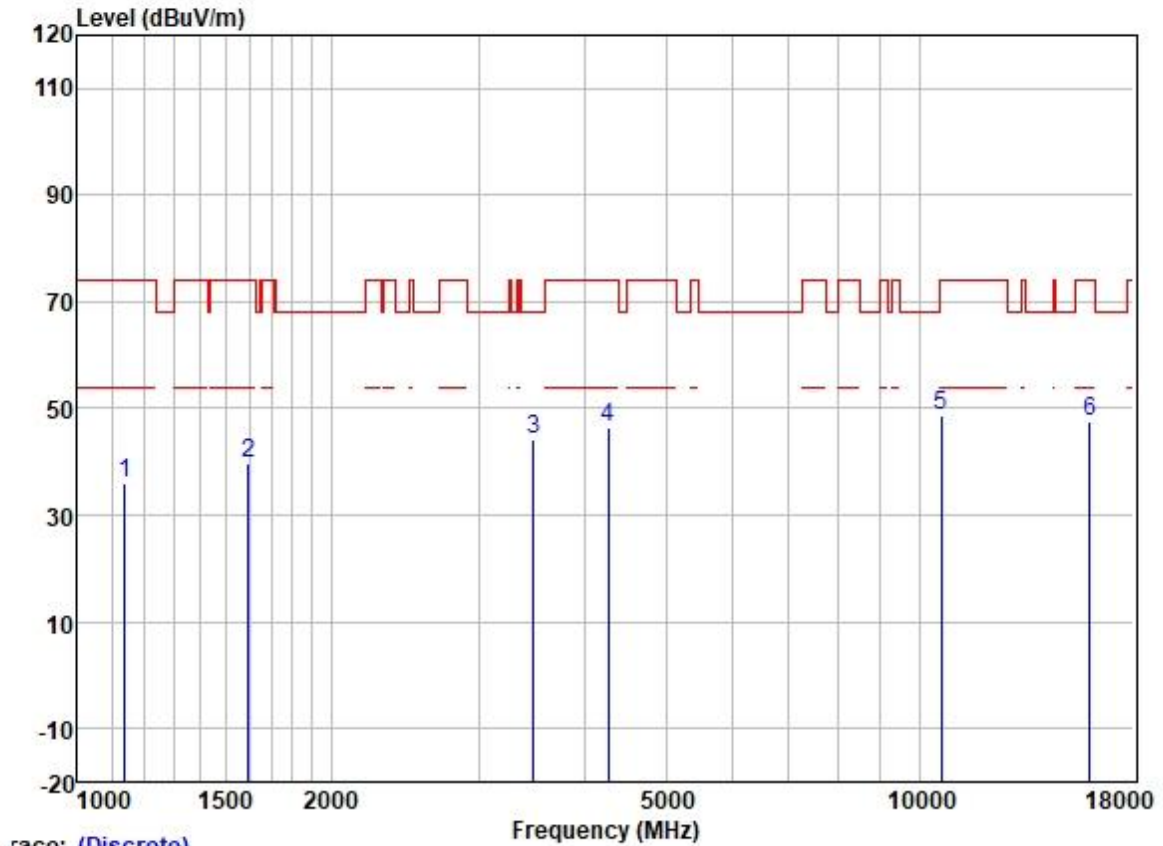
Trace: (Discrete)

	Read	Antenna	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	1256.512	46.90	25.05	2.38	38.35	35.98	68.20	-32.22	HORIZONTAL	Peak
2	1697.129	47.29	25.71	2.80	37.89	37.91	74.00	-36.09	HORIZONTAL	Peak
3	3445.535	48.13	28.87	4.18	36.96	44.22	68.20	-23.98	HORIZONTAL	Peak
4	4379.699	48.24	30.64	4.69	36.81	46.76	74.00	-27.24	HORIZONTAL	Peak
5	10620.000	40.37	39.59	7.46	37.34	50.08	74.00	-23.92	HORIZONTAL	Peak
6	15930.000	35.95	38.37	9.85	35.40	48.77	74.00	-25.23	HORIZONTAL	Peak



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Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Trace: (Discrete)

	Read	Antenna	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	1138.904	47.82	24.46	2.27	38.42	36.13	74.00	-37.87	VERTICAL	Peak
2	1597.181	49.22	25.58	2.80	37.98	39.62	74.00	-34.38	VERTICAL	Peak
3	3485.601	48.06	28.89	4.27	36.95	44.27	68.20	-23.93	VERTICAL	Peak
4	4267.237	48.16	30.38	4.63	36.81	46.36	74.00	-27.64	VERTICAL	Peak
5	10620.000	39.00	39.59	7.46	37.34	48.71	74.00	-25.29	VERTICAL	Peak
6	15930.000	34.75	38.37	9.85	35.40	47.57	74.00	-26.43	VERTICAL	Peak



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