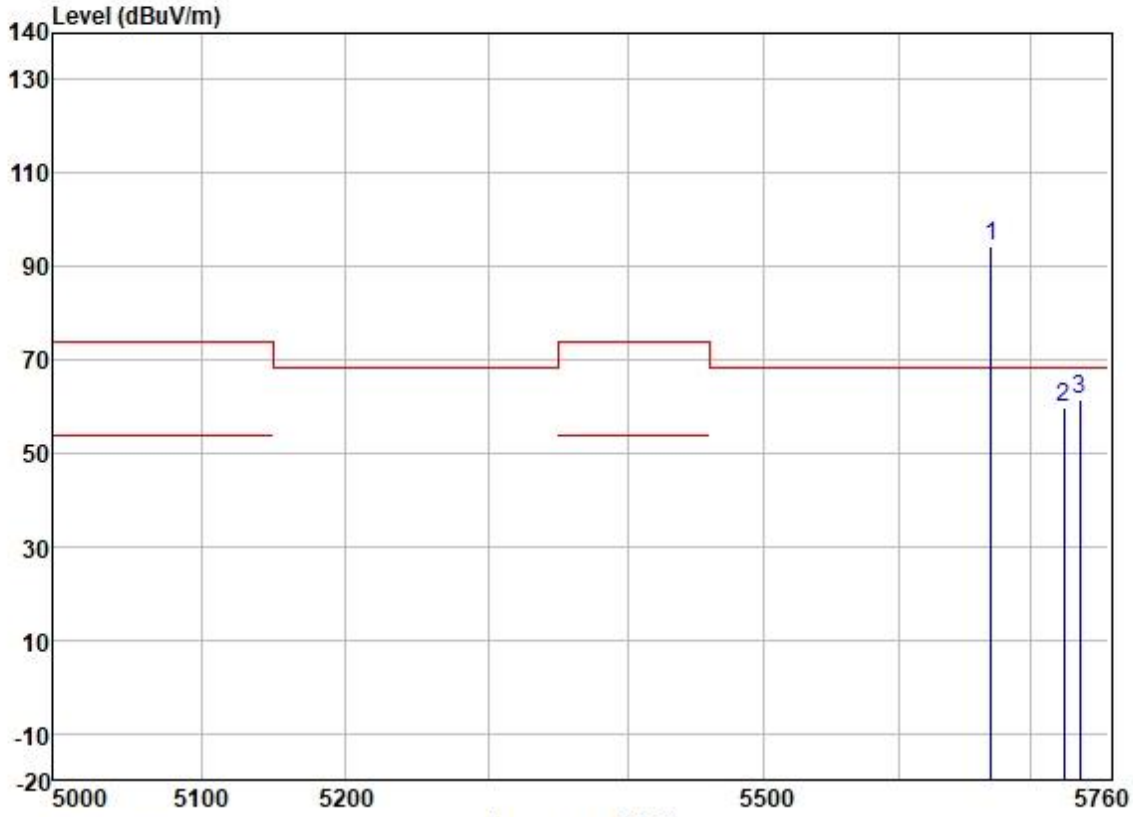
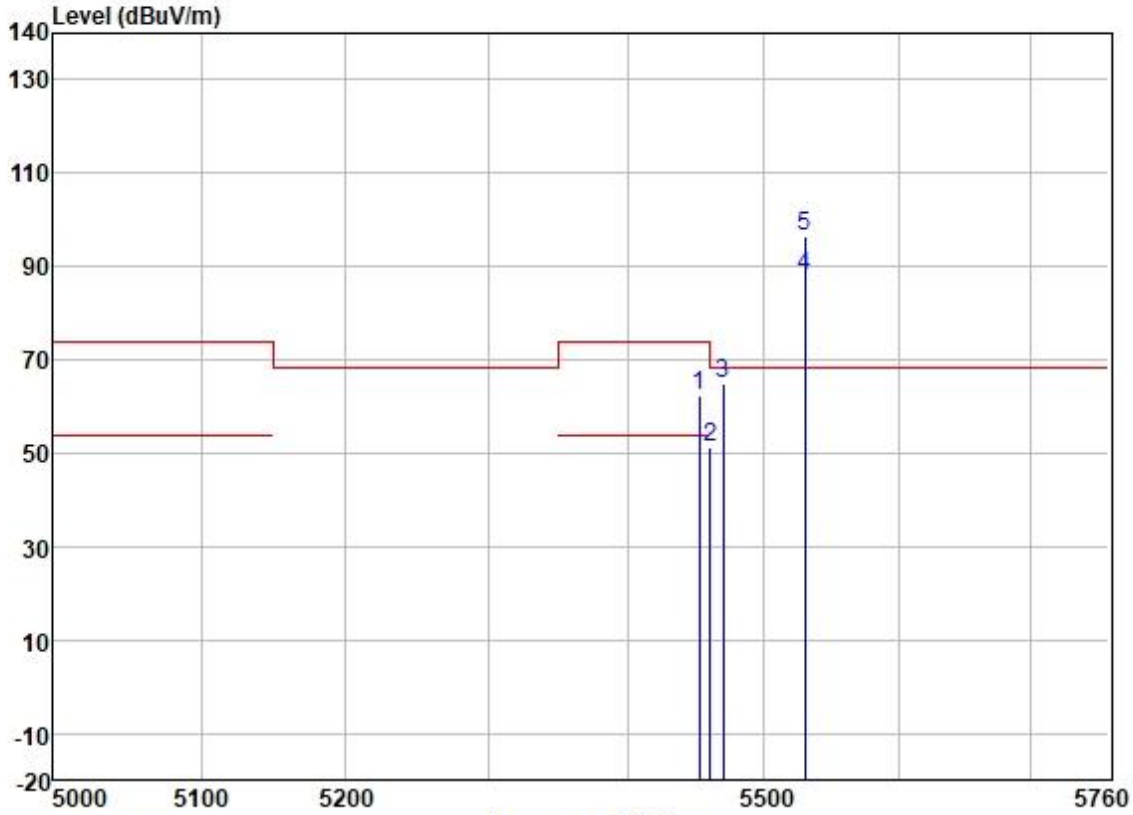
Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



race: (Discrete)

		Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
		MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	*	5670.000	93.09	31.97	6.37	36.89	94.54	68.20	26.34	VERTICAL	Peak
2		5725.000	58.45	32.07	6.25	36.89	59.88	68.20	-8.32	VERTICAL	Peak
3		5737.499	59.94	32.07	6.25	36.89	61.37	68.20	-6.83	VERTICAL	Peak

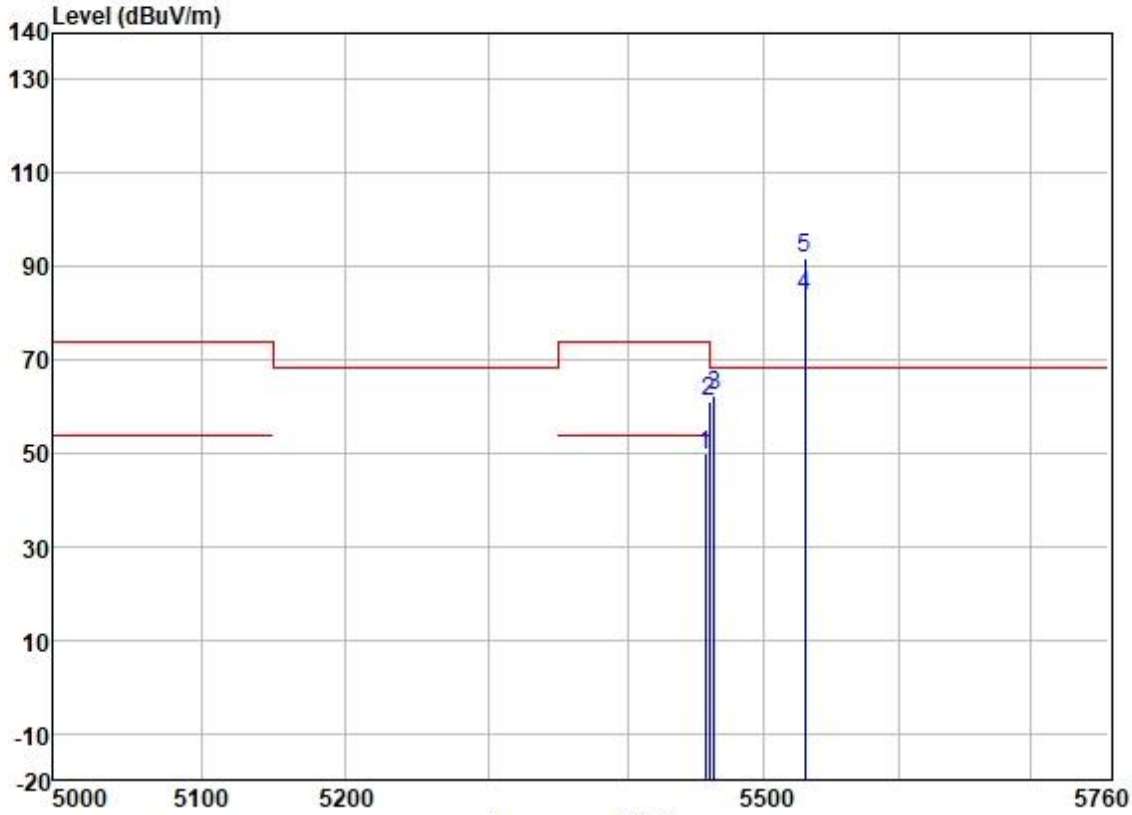
Test Mode: 06; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



race: (Discrete)

		Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
		MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1		5452.130	61.32	31.79	6.26	36.88	62.49	74.00	-11.51	HORIZONTAL	Peak
2		5459.823	49.98	31.79	6.26	36.88	51.15	54.00	-2.85	HORIZONTAL	Average
3		5469.857	63.85	31.80	6.31	36.88	65.08	68.20	-3.12	HORIZONTAL	Peak
4		5530.000	86.54	31.83	6.37	36.89	87.85	------	------	HORIZONTAL	Average
5	*	5530.000	95.13	31.83	6.37	36.89	96.44	68.20	28.24	HORIZONTAL	Peak

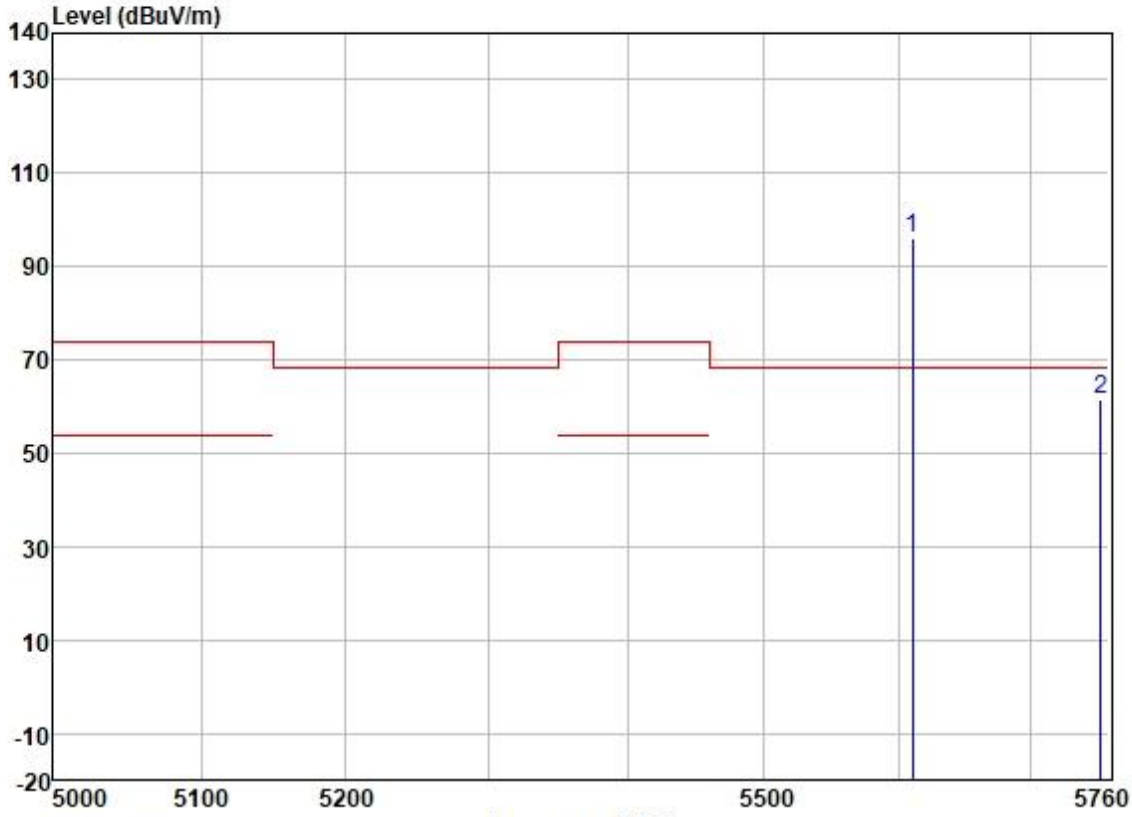
Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5456.601	48.59	31.79	6.26	36.88	49.76	54.00	-4.24	VERTICAL	Average
2	5459.107	59.83	31.79	6.26	36.88	61.00	74.00	-13.00	VERTICAL	Peak
3	5463.046	61.00	31.79	6.26	36.88	62.17	68.20	-6.03	VERTICAL	Peak
4	5530.000	82.44	31.83	6.37	36.89	83.75	------	------	VERTICAL	Average
5 *	5530.000	90.54	31.83	6.37	36.89	91.85	68.20	23.65	VERTICAL	Peak

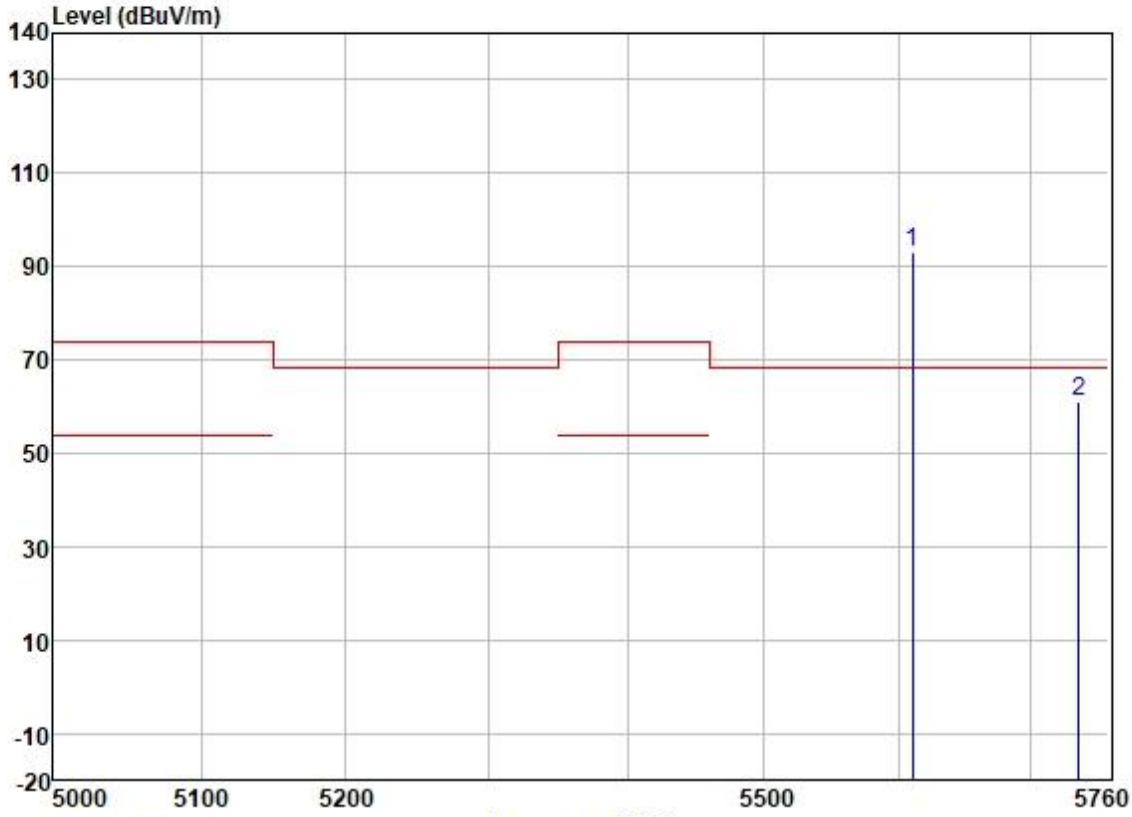
Test Mode: 06; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5610.000	94.80	31.91	6.32	36.89	96.14	68.20	27.94	HORIZONTAL	Peak
2	5753.490	60.06	32.10	6.20	36.89	61.47	68.20	-6.73	HORIZONTAL	Peak

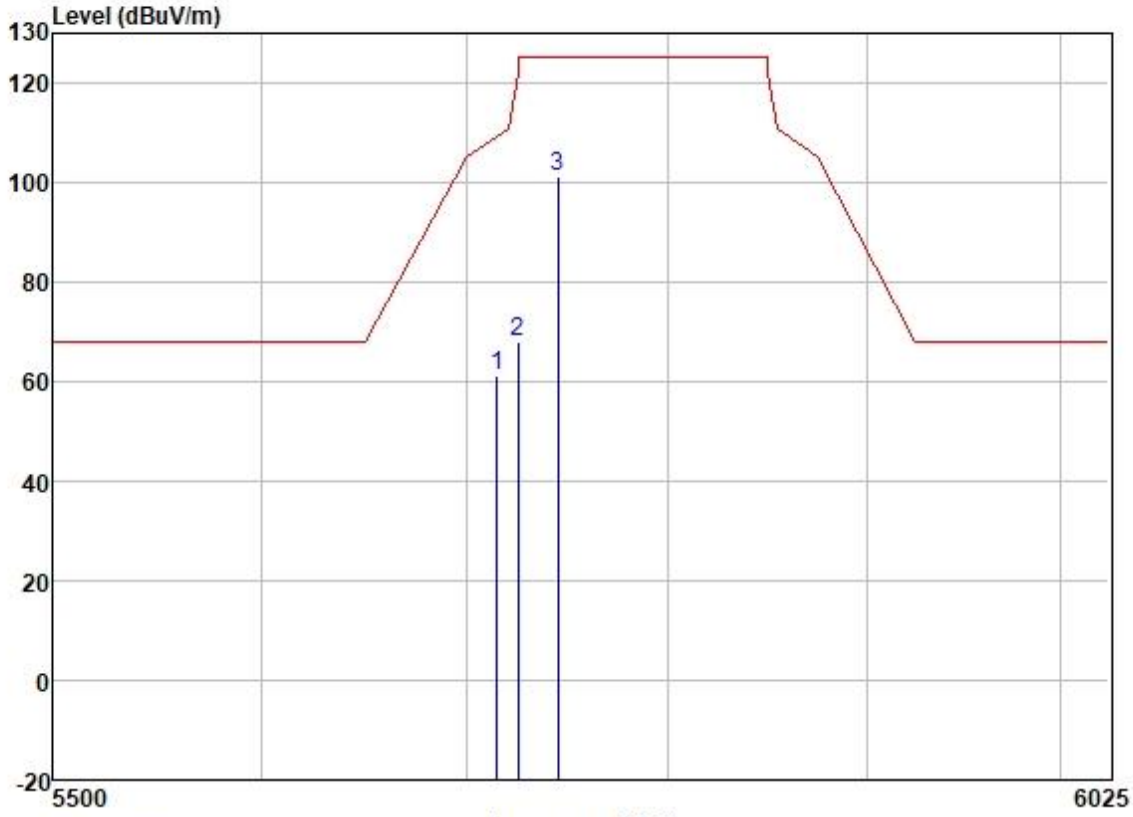
Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



race: (Discrete)

		Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
		MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	*	5610.000	91.59	31.91	6.32	36.89	92.93	68.20	24.73	VERTICAL	Peak
2		5736.639	59.50	32.07	6.25	36.89	60.93	68.20	-7.27	VERTICAL	Peak

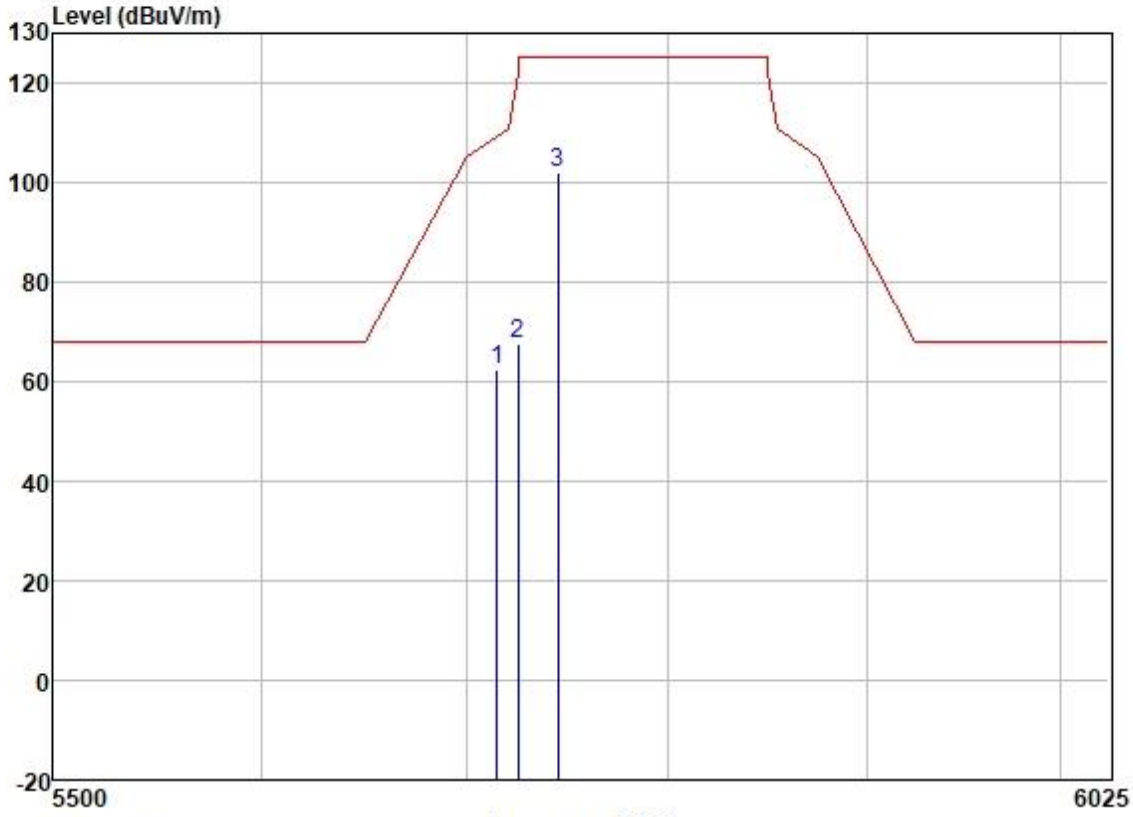
Test Mode: 07; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5715.000	59.76	32.04	6.33	36.89	61.24	109.40	-48.16	HORIZONTAL	Peak
2	5725.000	66.74	32.07	6.25	36.89	68.17	122.20	-54.03	HORIZONTAL	Peak
3	5745.000	99.79	32.10	6.20	36.89	101.20	125.20	-24.00	HORIZONTAL	Peak

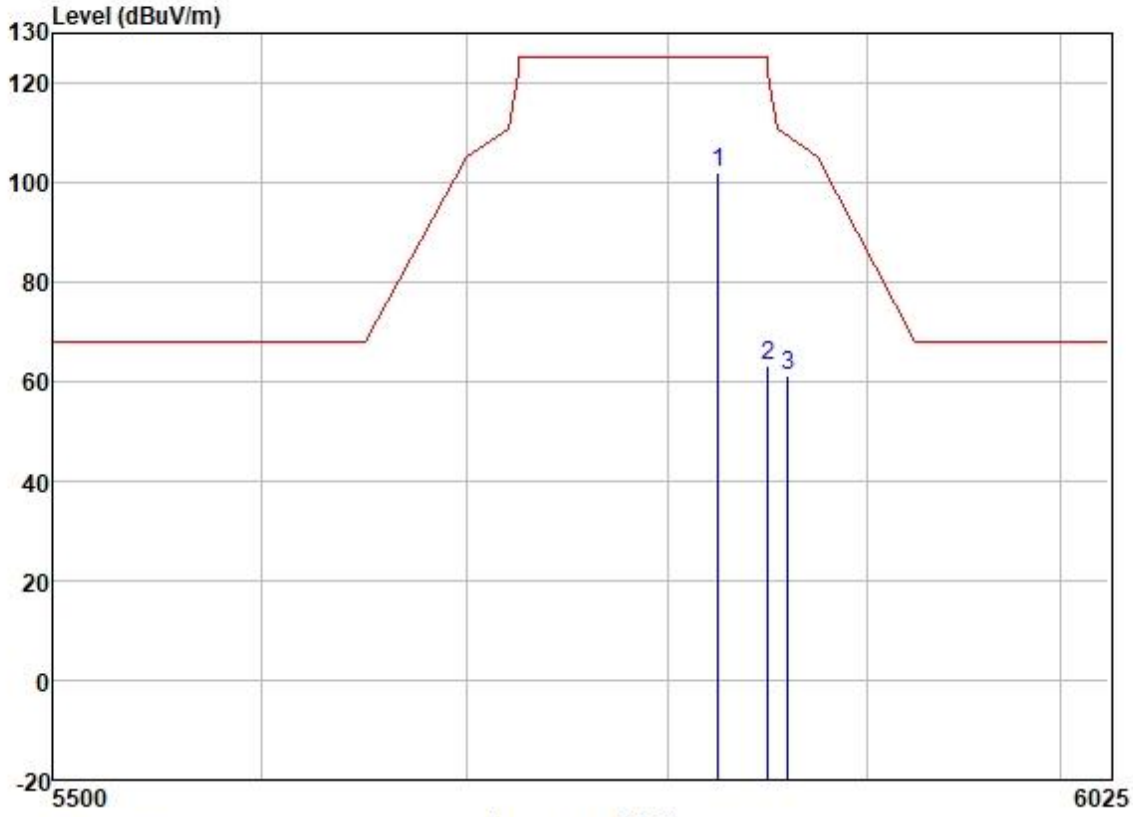
Test Mode: 07; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5715.000	60.89	32.04	6.33	36.89	62.37	109.40	-47.03	VERTICAL	Peak
2	5725.000	66.24	32.07	6.25	36.89	67.67	122.20	-54.53	VERTICAL	Peak
3	5745.000	100.39	32.10	6.20	36.89	101.80	125.20	-23.40	VERTICAL	Peak

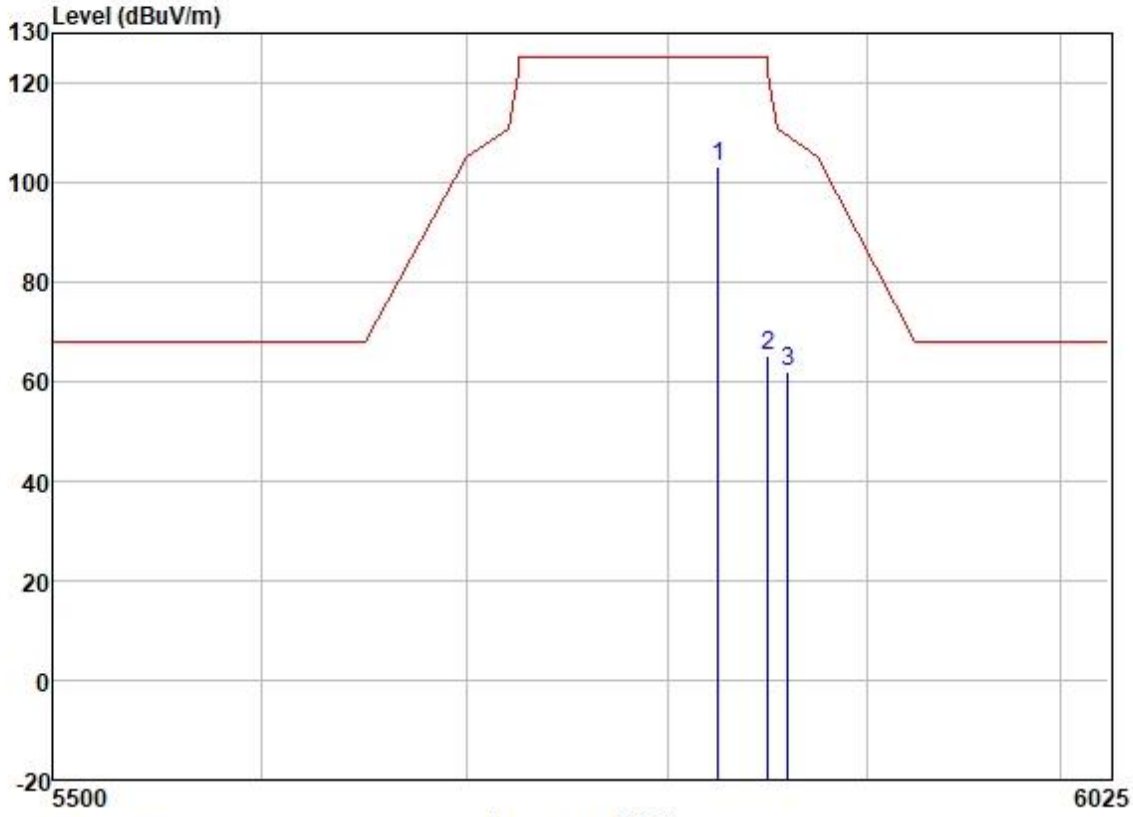
Test Mode: 07; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



race: (Discrete)

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5825.000	100.57	32.23	6.04	36.90	101.94	125.20	-23.26	HORIZONTAL	Peak
2	5850.000	61.76	32.25	6.00	36.90	63.11	122.20	-59.09	HORIZONTAL	Peak
3	5860.000	59.77	32.27	5.96	36.90	61.10	109.40	-48.30	HORIZONTAL	Peak

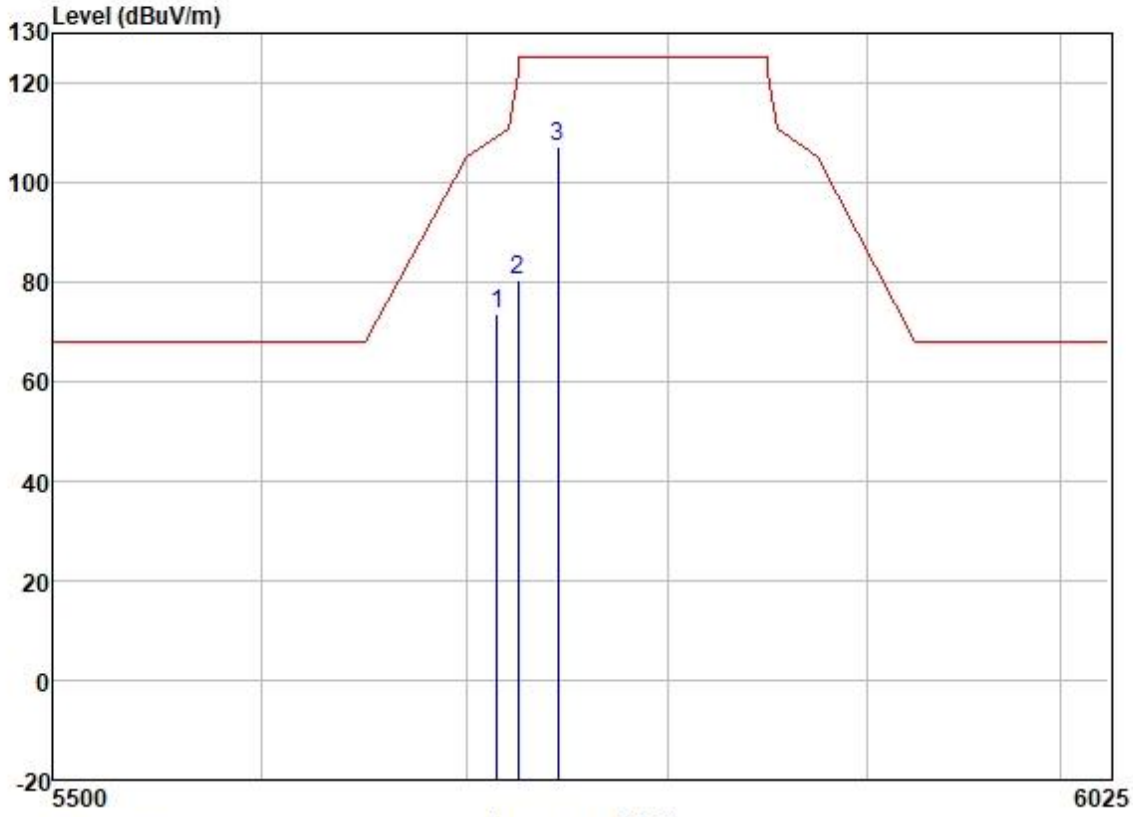
Test Mode: 07; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5825.000	102.01	32.23	6.04	36.90	103.38	125.20	-21.82	VERTICAL	Peak
2	5850.000	63.87	32.25	6.00	36.90	65.22	122.20	-56.98	VERTICAL	Peak
3	5860.000	60.58	32.27	5.96	36.90	61.91	109.40	-47.49	VERTICAL	Peak

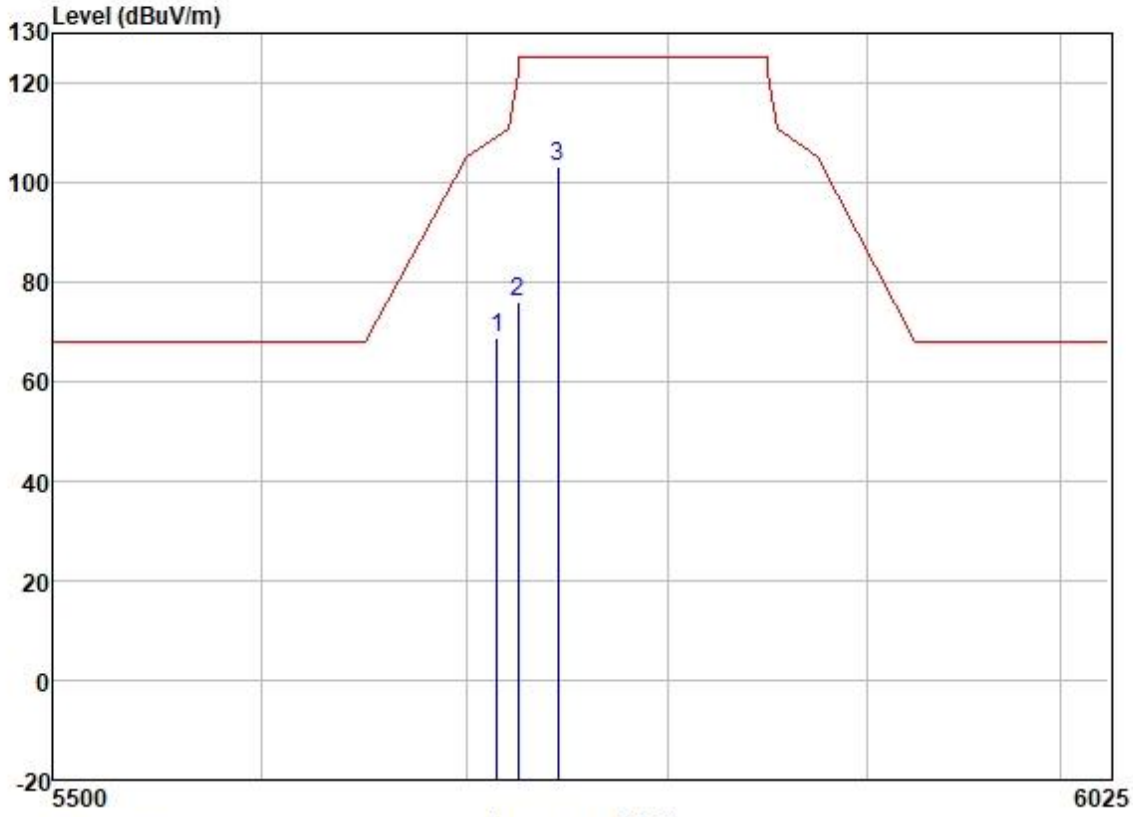
Test Mode: 07; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5715.000	71.97	32.04	6.33	36.89	73.45	109.40	-35.95	HORIZONTAL	Peak
2	5725.000	79.00	32.07	6.25	36.89	80.43	122.20	-41.77	HORIZONTAL	Peak
3	5745.000	105.83	32.10	6.20	36.89	107.24	125.20	-17.96	HORIZONTAL	Peak

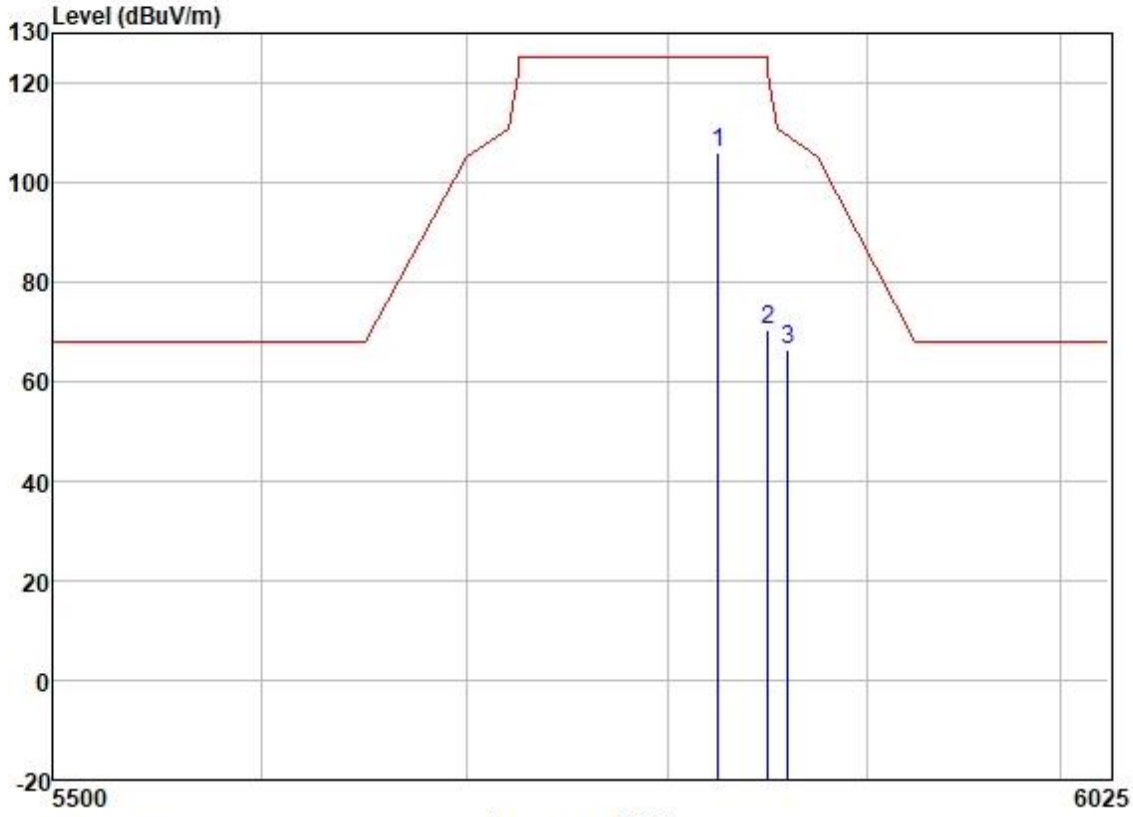
Test Mode: 07; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



race: (Discrete)

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5715.000	67.48	32.04	6.33	36.89	68.96	109.40	-40.44	VERTICAL	Peak
2	5725.000	74.51	32.07	6.25	36.89	75.94	122.20	-46.26	VERTICAL	Peak
3	5745.000	101.79	32.10	6.20	36.89	103.20	125.20	-22.00	VERTICAL	Peak

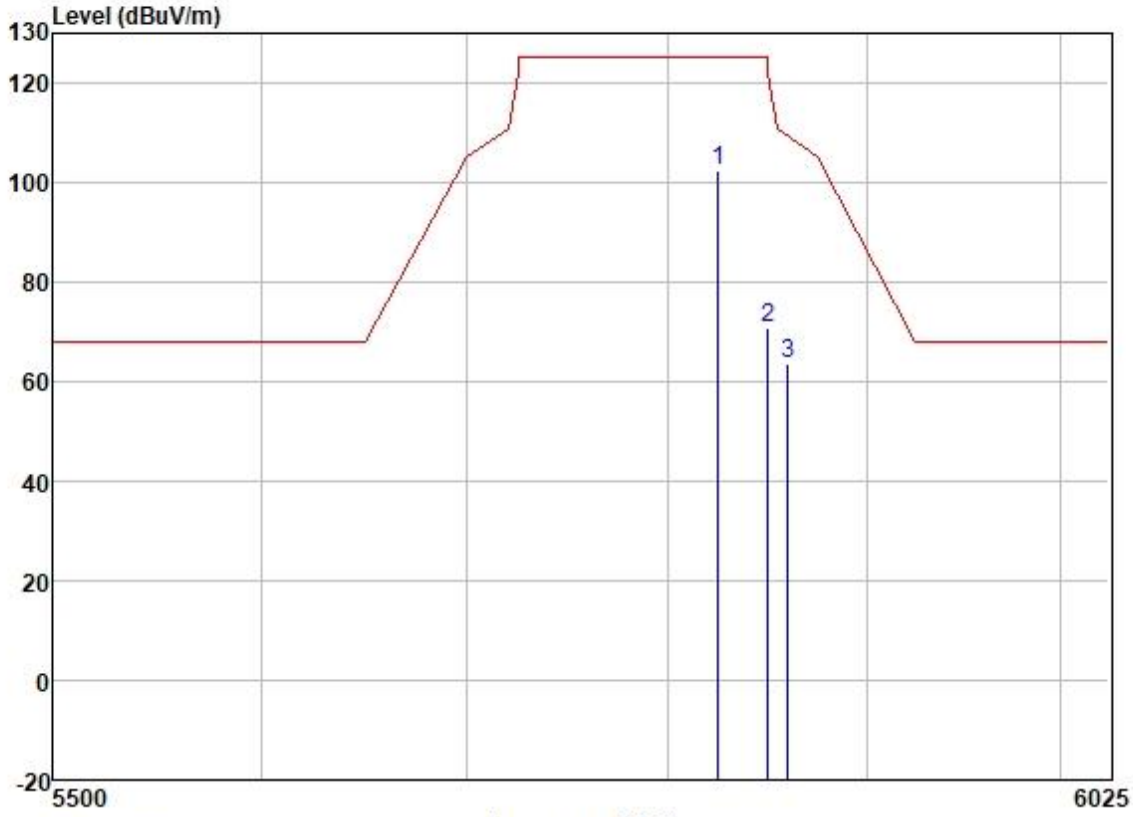
Test Mode: 07; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



race: (Discrete)

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5825.000	104.59	32.23	6.04	36.90	105.96	125.20	-19.24	HORIZONTAL	Peak
2	5850.000	69.09	32.25	6.00	36.90	70.44	122.20	-51.76	HORIZONTAL	Peak
3	5860.000	65.19	32.27	5.96	36.90	66.52	109.40	-42.88	HORIZONTAL	Peak

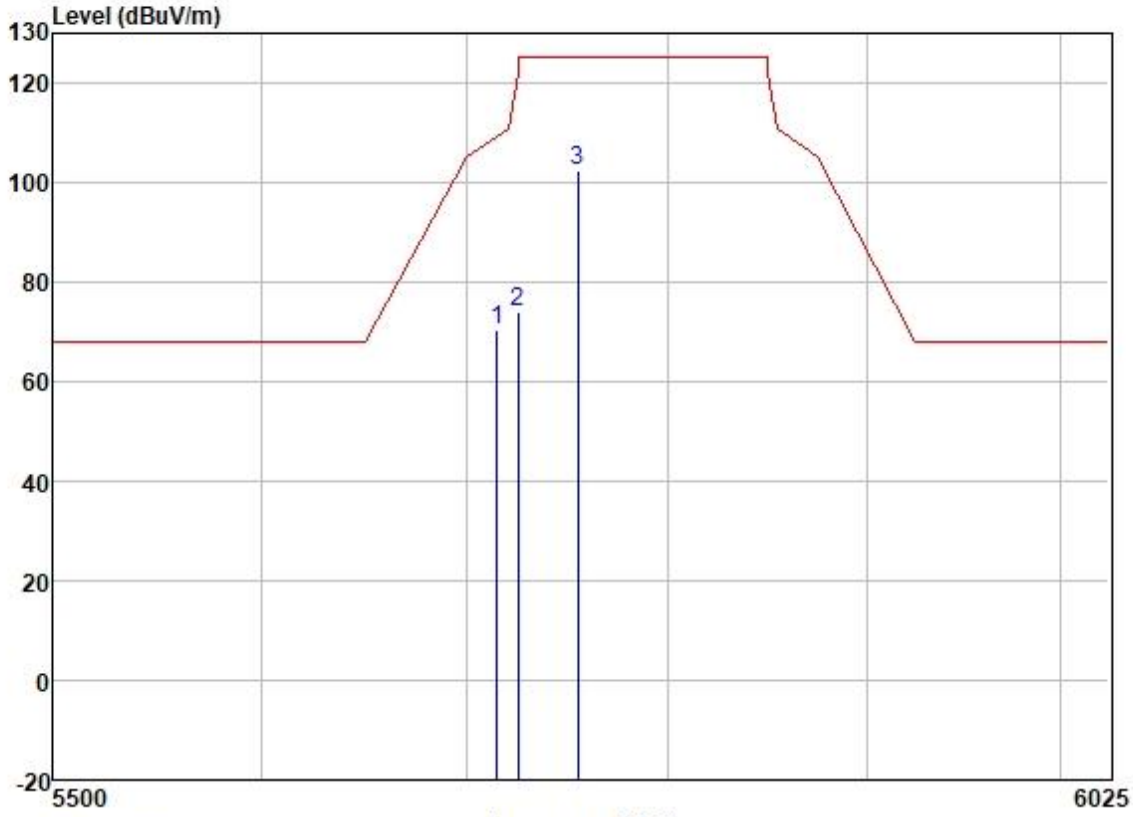
Test Mode: 07; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5825.000	101.17	32.23	6.04	36.90	102.54	125.20	-22.66	VERTICAL	Peak
2	5850.000	69.43	32.25	6.00	36.90	70.78	122.20	-51.42	VERTICAL	Peak
3	5860.000	62.45	32.27	5.96	36.90	63.78	109.40	-45.62	VERTICAL	Peak

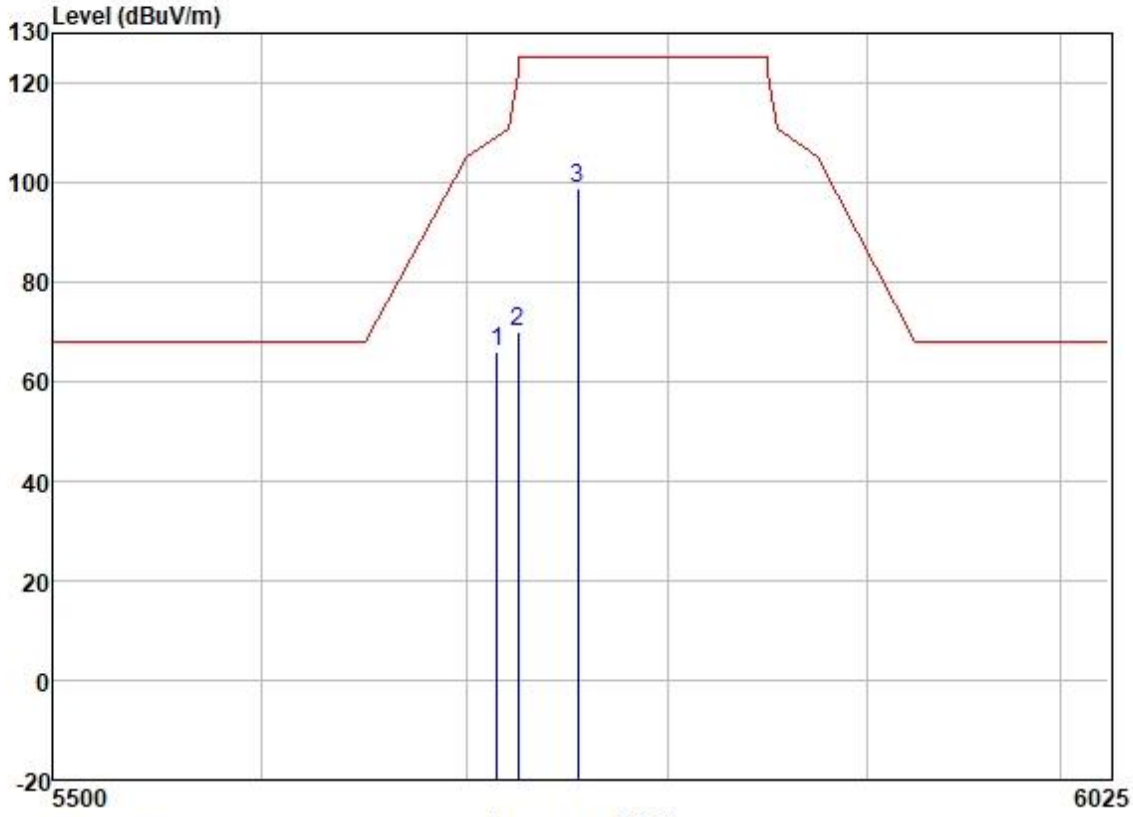
Test Mode: 07; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5715.000	68.76	32.04	6.33	36.89	70.24	109.40	-39.16	HORIZONTAL	Peak
2	5725.000	72.42	32.07	6.25	36.89	73.85	122.20	-48.35	HORIZONTAL	Peak
3	5755.000	101.14	32.10	6.20	36.89	102.55	125.20	-22.65	HORIZONTAL	Peak

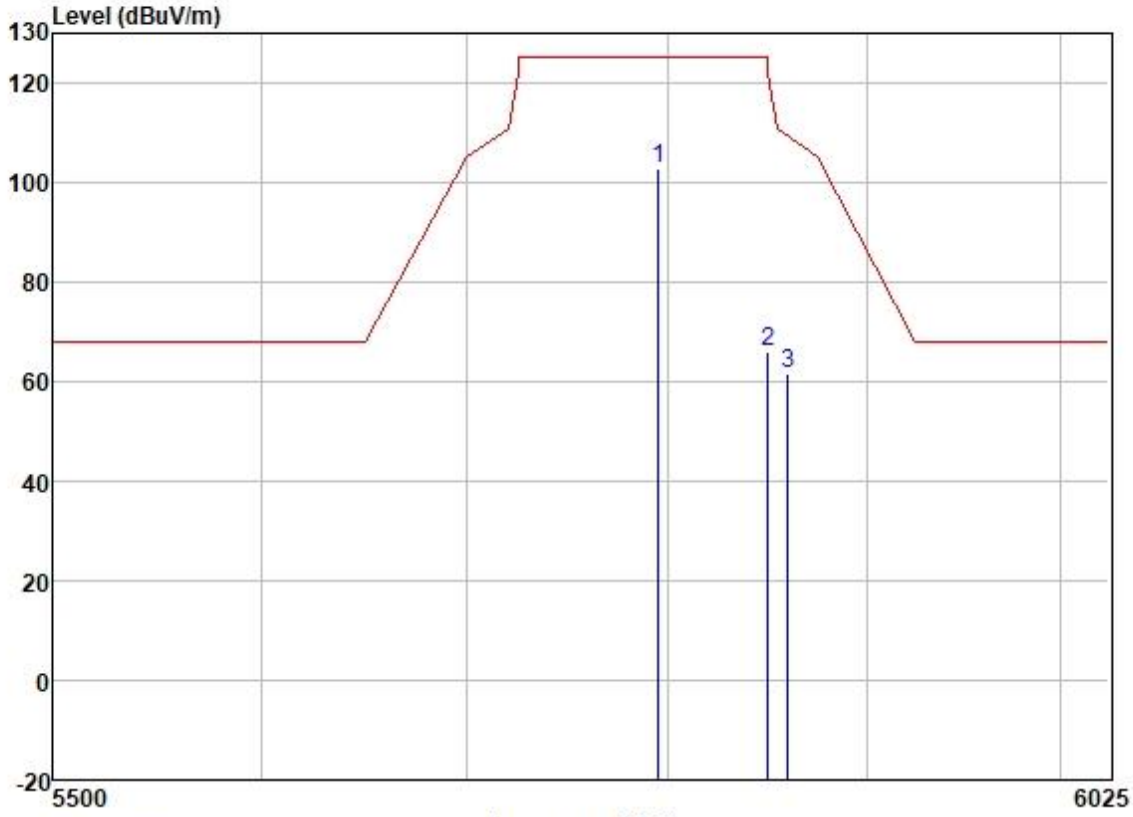
Test Mode: 07; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



race: (Discrete)

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5715.000	64.67	32.04	6.33	36.89	66.15	109.40	-43.25	VERTICAL	Peak
2	5725.000	68.66	32.07	6.25	36.89	70.09	122.20	-52.11	VERTICAL	Peak
3	5755.000	97.32	32.10	6.20	36.89	98.73	125.20	-26.47	VERTICAL	Peak

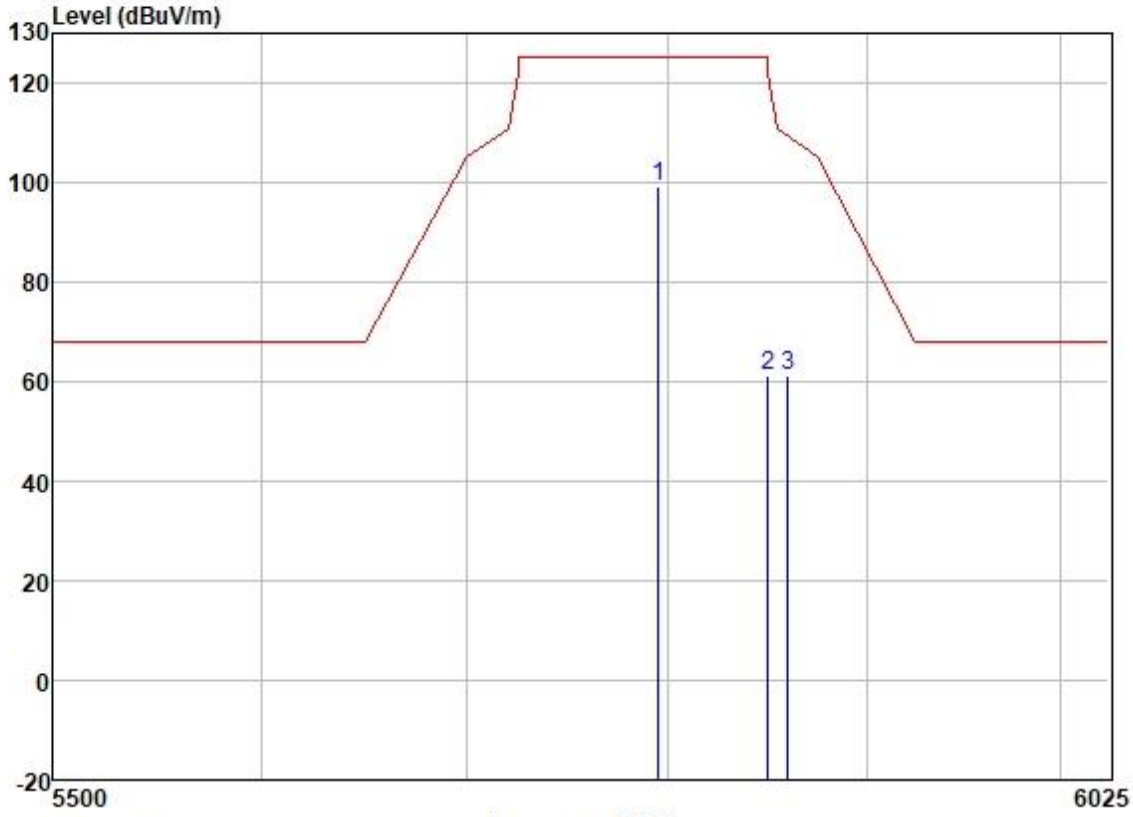
Test Mode: 07; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5795.000	101.52	32.19	6.10	36.89	102.92	125.20	-22.28	HORIZONTAL	Peak
2	5850.000	64.47	32.25	6.00	36.90	65.82	122.20	-56.38	HORIZONTAL	Peak
3	5860.000	60.43	32.27	5.96	36.90	61.76	109.40	-47.64	HORIZONTAL	Peak

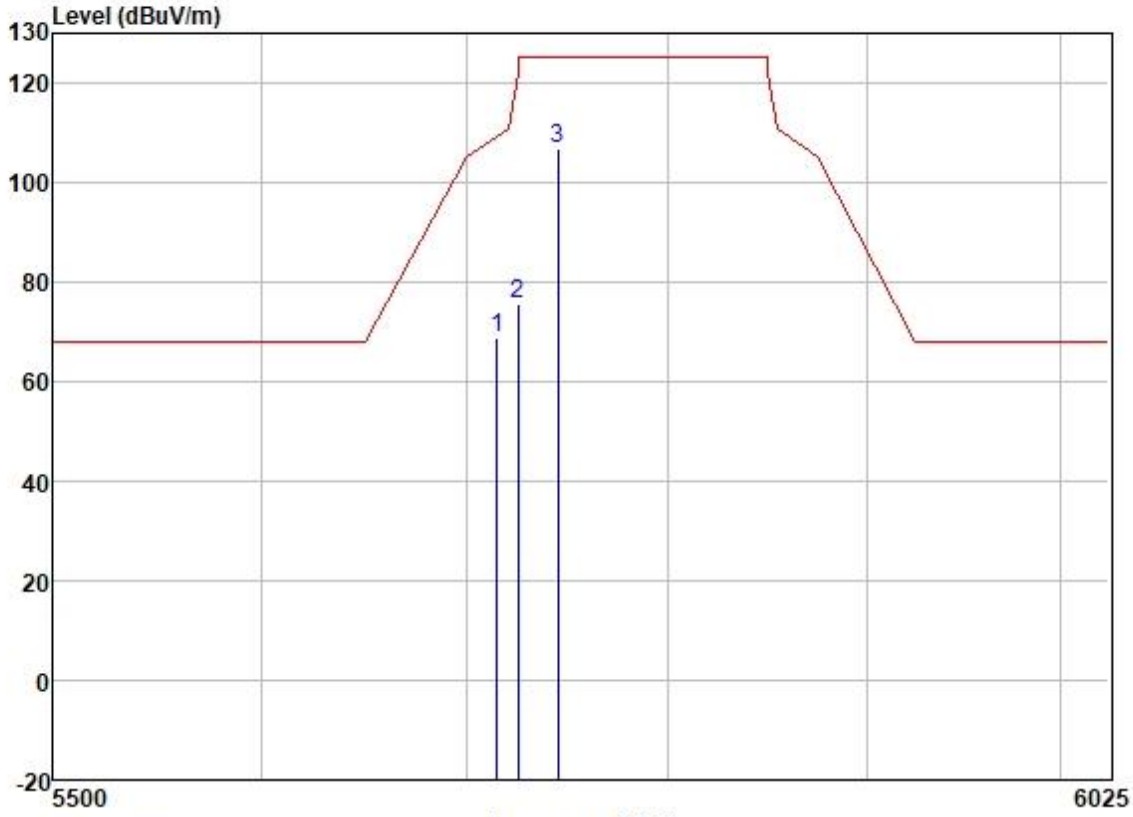
Test Mode: 07; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



race: (Discrete)

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5795.000	97.87	32.19	6.10	36.89	99.27	125.20	-25.93	VERTICAL	Peak
2	5850.000	59.87	32.25	6.00	36.90	61.22	122.20	-60.98	VERTICAL	Peak
3	5860.000	59.99	32.27	5.96	36.90	61.32	109.40	-48.08	VERTICAL	Peak

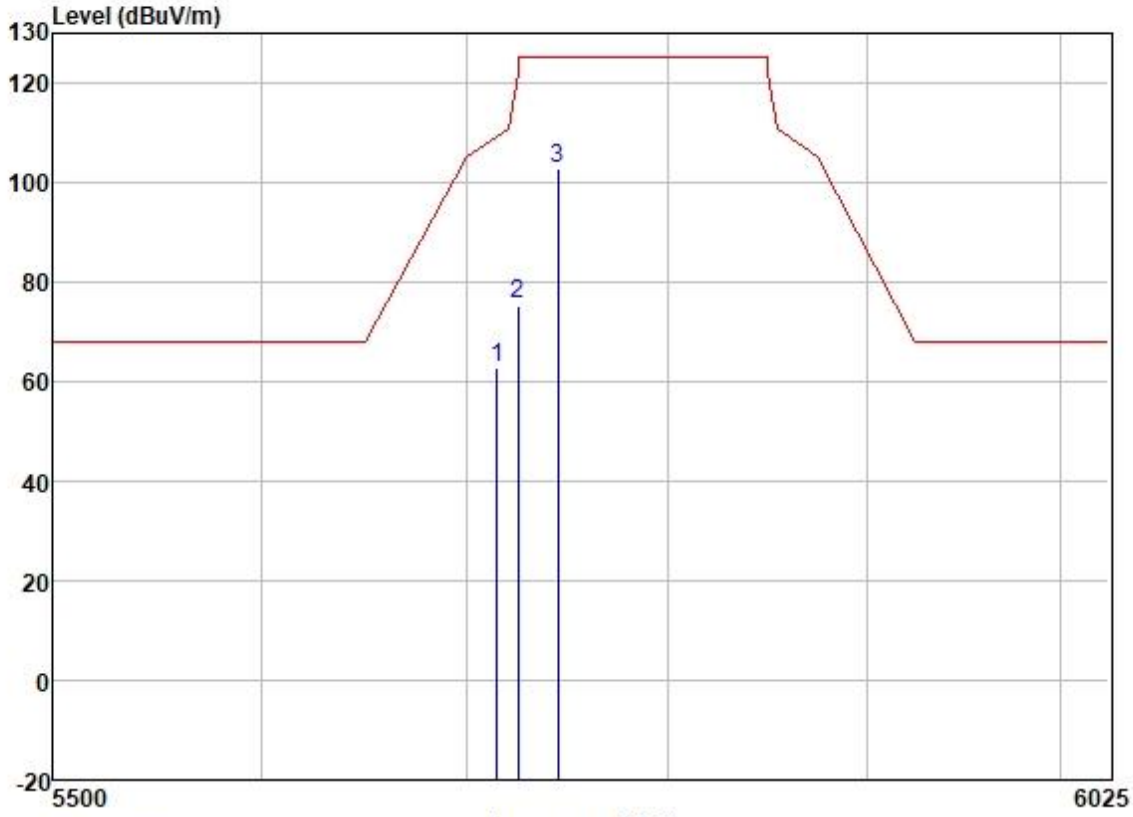
Test Mode: 07; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



race: (Discrete)

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5715.000	67.43	32.04	6.33	36.89	68.91	109.40	-40.49	HORIZONTAL	Peak
2	5725.000	74.10	32.07	6.25	36.89	75.53	122.20	-46.67	HORIZONTAL	Peak
3	5745.000	105.40	32.10	6.20	36.89	106.81	125.20	-18.39	HORIZONTAL	Peak

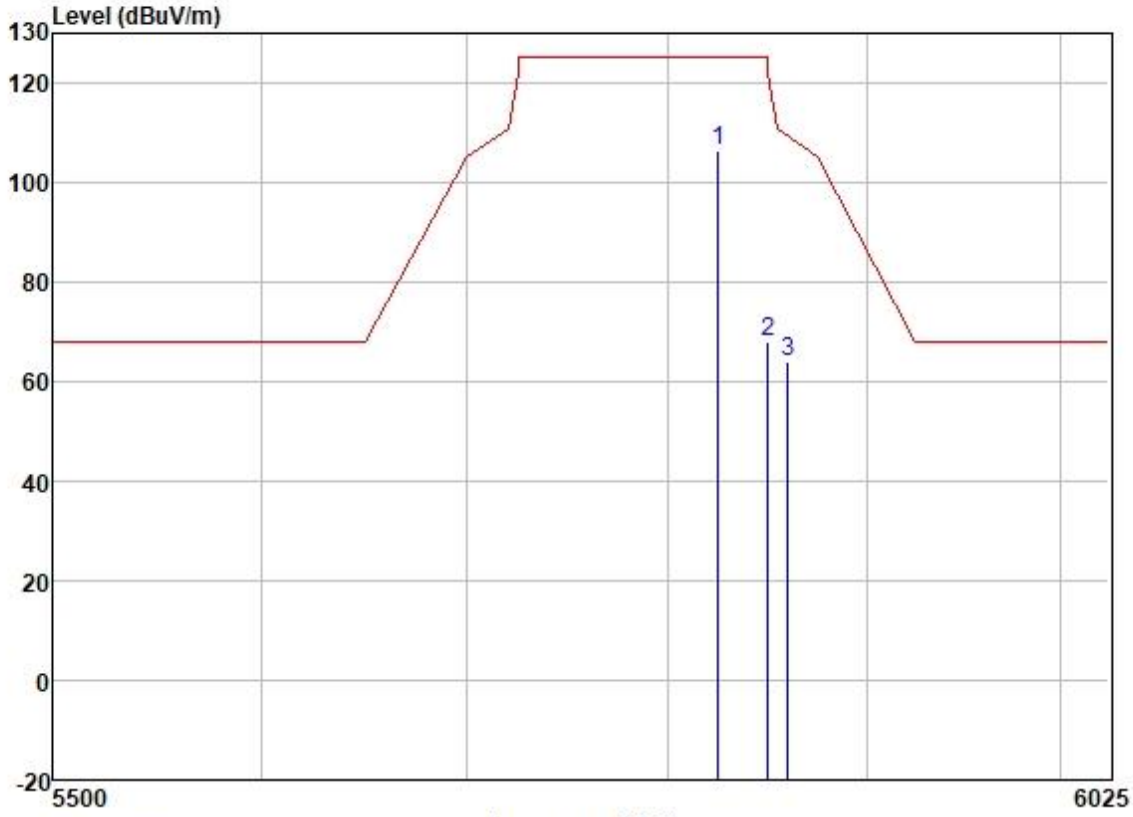
Test Mode: 07; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5715.000	61.19	32.04	6.33	36.89	62.67	109.40	-46.73	VERTICAL	Peak
2	5725.000	73.97	32.07	6.25	36.89	75.40	122.20	-46.80	VERTICAL	Peak
3	5745.000	101.35	32.10	6.20	36.89	102.76	125.20	-22.44	VERTICAL	Peak

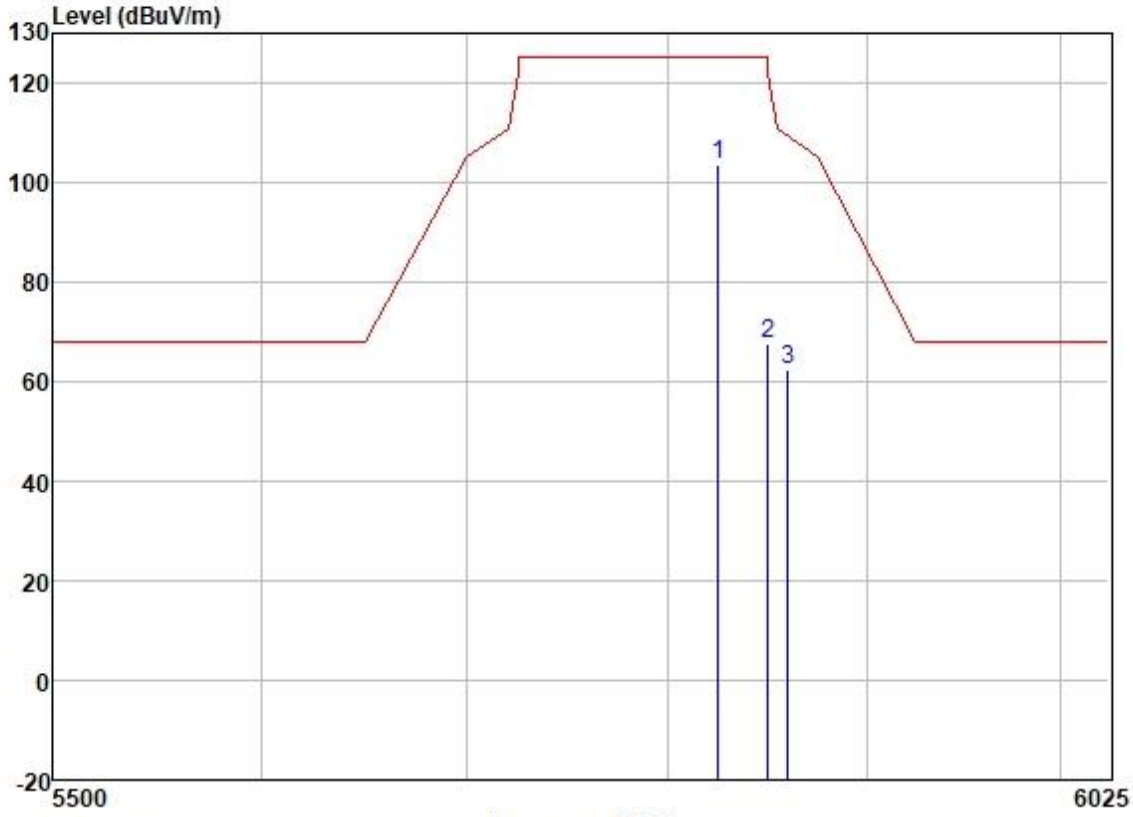
Test Mode: 07; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5825.000	105.05	32.23	6.04	36.90	106.42	125.20	-18.78	HORIZONTAL	Peak
2	5850.000	66.54	32.25	6.00	36.90	67.89	122.20	-54.31	HORIZONTAL	Peak
3	5860.000	62.70	32.27	5.96	36.90	64.03	109.40	-45.37	HORIZONTAL	Peak

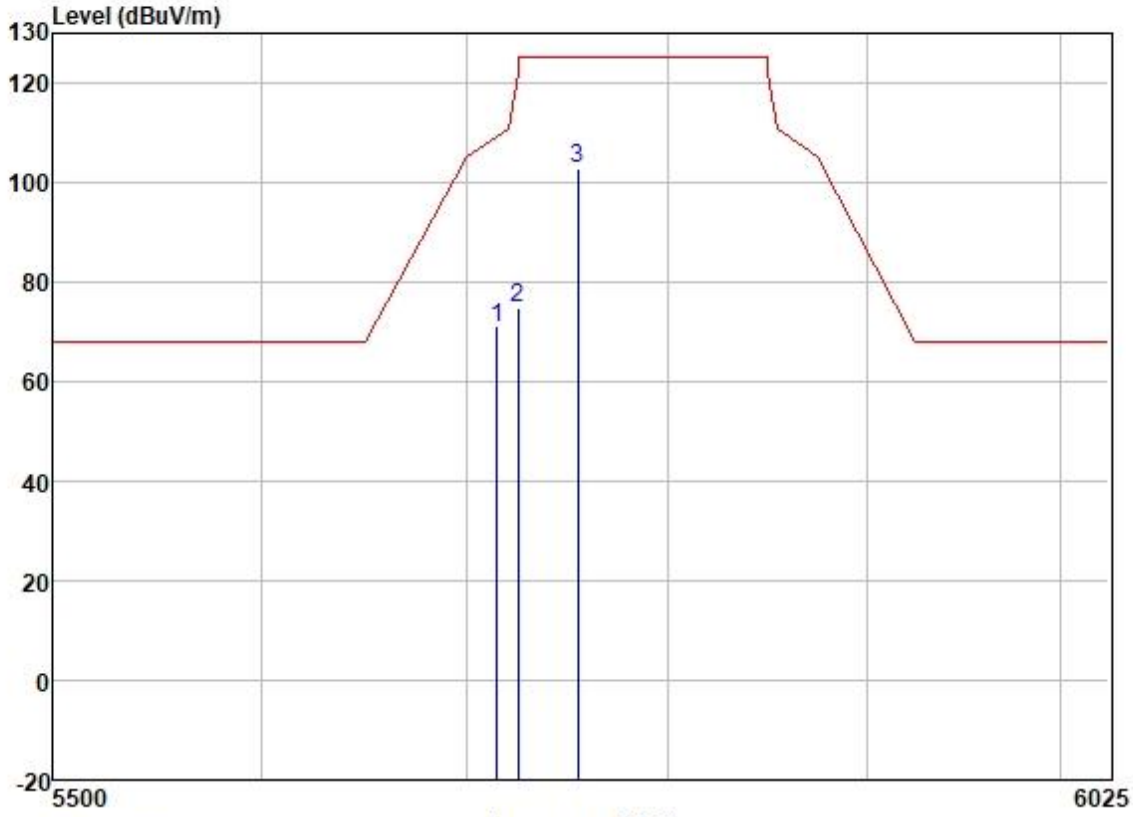
Test Mode: 07; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



race: (Discrete)

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5825.000	102.16	32.23	6.04	36.90	103.53	125.20	-21.67	VERTICAL	Peak
2	5850.000	66.27	32.25	6.00	36.90	67.62	122.20	-54.58	VERTICAL	Peak
3	5860.000	61.12	32.27	5.96	36.90	62.45	109.40	-46.95	VERTICAL	Peak

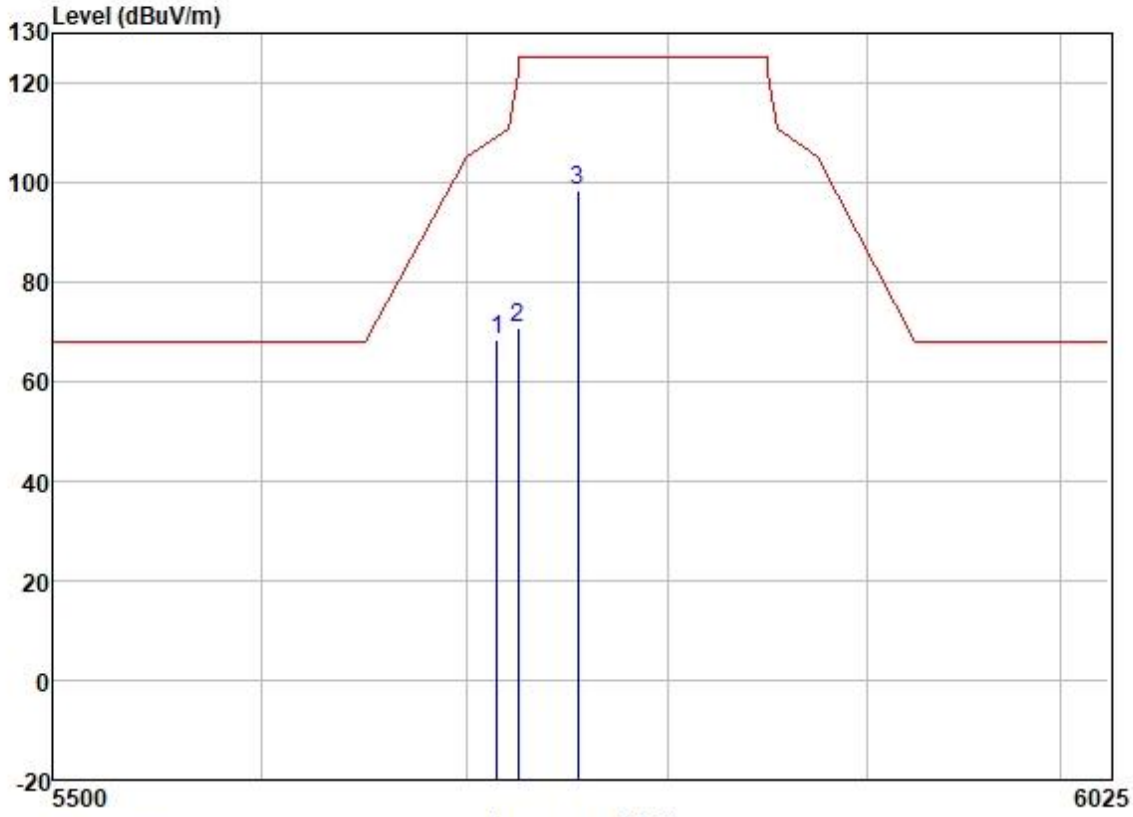
Test Mode: 07; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



race: (Discrete)

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5715.000	69.52	32.04	6.33	36.89	71.00	109.40	-38.40	HORIZONTAL	Peak
2	5725.000	73.56	32.07	6.25	36.89	74.99	122.20	-47.21	HORIZONTAL	Peak
3	5755.000	101.32	32.10	6.20	36.89	102.73	125.20	-22.47	HORIZONTAL	Peak

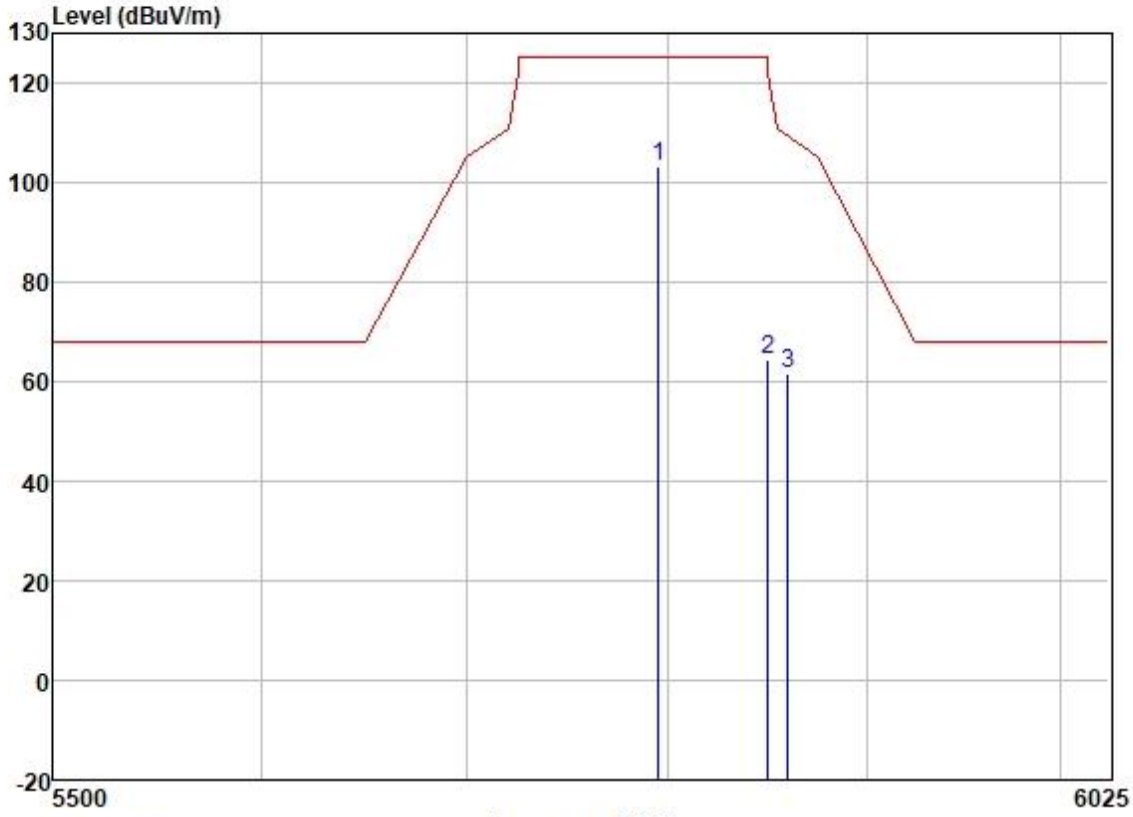
Test Mode: 07; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5715.000	66.89	32.04	6.33	36.89	68.37	109.40	-41.03	VERTICAL	Peak
2	5725.000	69.46	32.07	6.25	36.89	70.89	122.20	-51.31	VERTICAL	Peak
3	5755.000	97.05	32.10	6.20	36.89	98.46	125.20	-26.74	VERTICAL	Peak

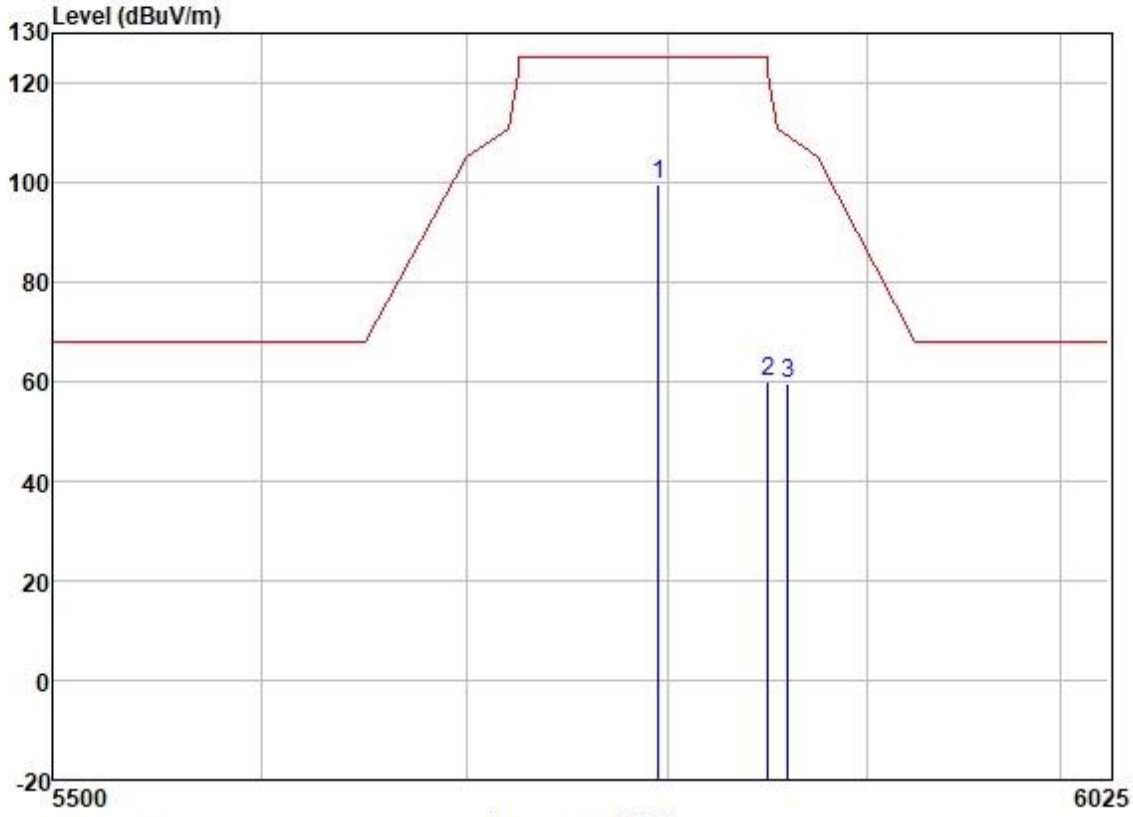
Test Mode: 07; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



race: (Discrete)

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5795.000	101.70	32.19	6.10	36.89	103.10	125.20	-22.10	HORIZONTAL	Peak
2	5850.000	62.99	32.25	6.00	36.90	64.34	122.20	-57.86	HORIZONTAL	Peak
3	5860.000	60.38	32.27	5.96	36.90	61.71	109.40	-47.69	HORIZONTAL	Peak

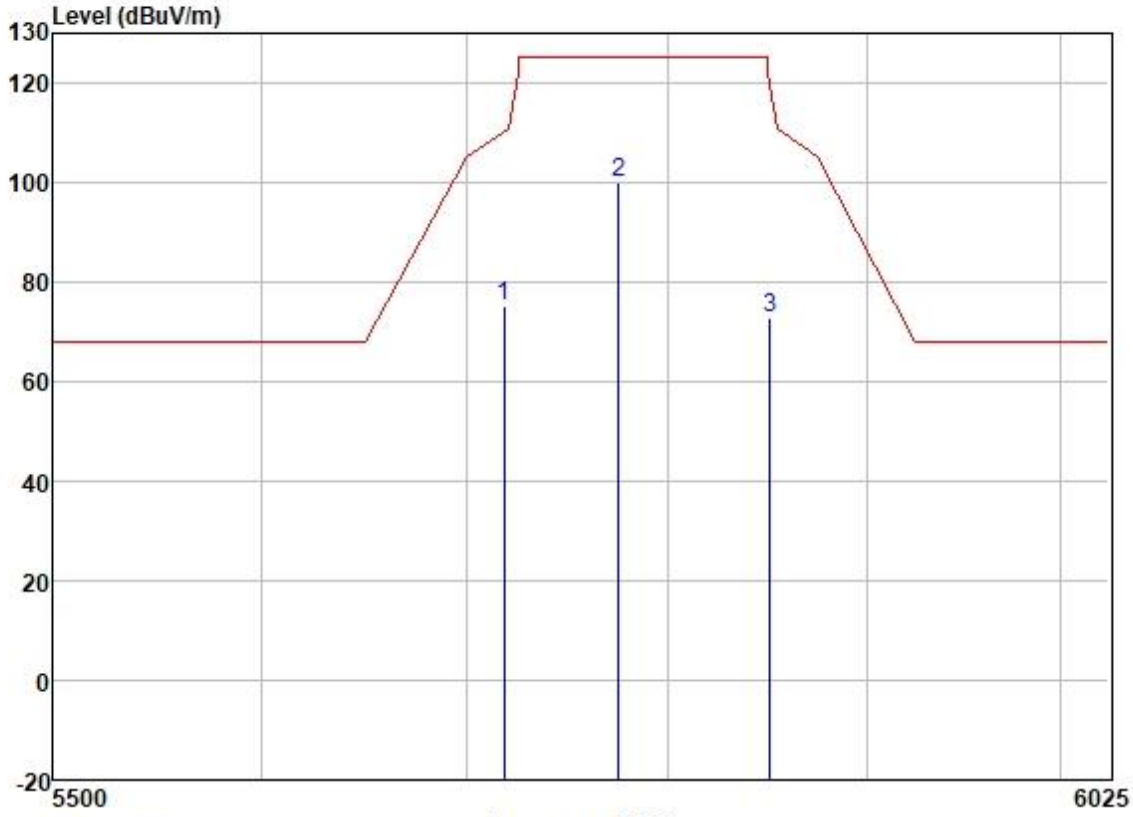
Test Mode: 07; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



race: (Discrete)

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5795.000	98.13	32.19	6.10	36.89	99.53	125.20	-25.67	VERTICAL	Peak
2	5850.000	58.81	32.25	6.00	36.90	60.16	122.20	-62.04	VERTICAL	Peak
3	5860.000	58.42	32.27	5.96	36.90	59.75	109.40	-49.65	VERTICAL	Peak

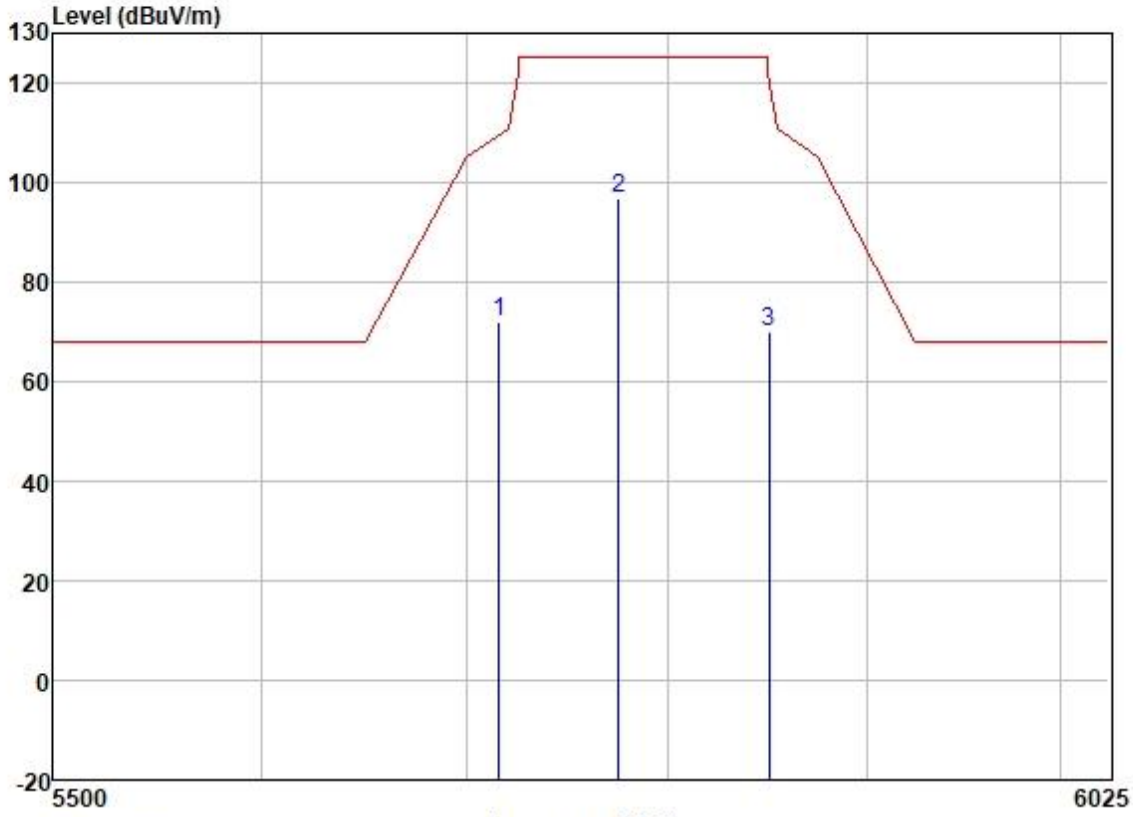
Test Mode: 07; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5718.063	73.91	32.04	6.33	36.89	75.39	110.26	-34.87	HORIZONTAL	Peak
2	5775.000	98.62	32.16	6.10	36.89	99.99	125.20	-25.21	HORIZONTAL	Peak
3	5851.191	71.43	32.25	6.00	36.90	72.78	119.48	-46.70	HORIZONTAL	Peak

Test Mode: 07; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



race: (Discrete)

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5715.654	70.40	32.04	6.33	36.89	71.88	109.58	-37.70	VERTICAL	Peak
2	5775.000	95.31	32.16	6.10	36.89	96.68	125.20	-28.52	VERTICAL	Peak
3	5850.575	68.59	32.25	6.00	36.90	69.94	120.89	-50.95	VERTICAL	Peak

7.10 Frequency Stability

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

7.10.1 E.U.T. Operation

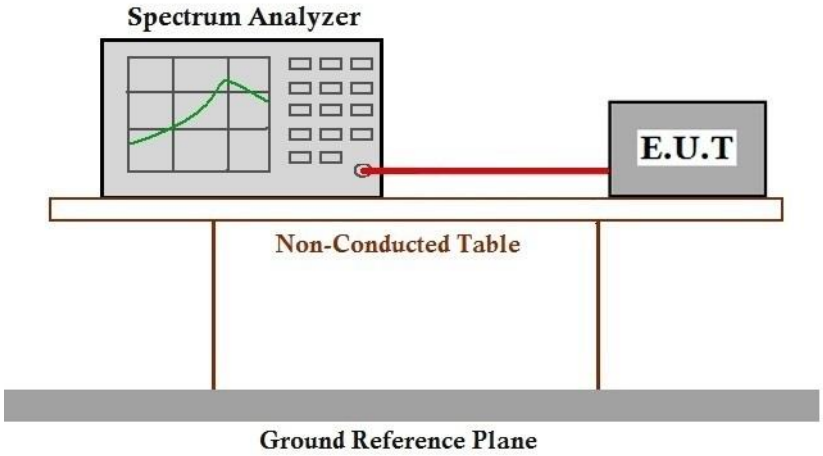
Operating Environment:

Temperature: 23.5 °C Humidity: 53.2 % RH Atmospheric Pressure: 1003 mbar

7.10.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	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	05	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	06	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	07	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.

7.10.3 Test Setup Diagram



7.10.4 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.

7.11 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.

7.11.1 E.U.T. Operation

Operating Environment:

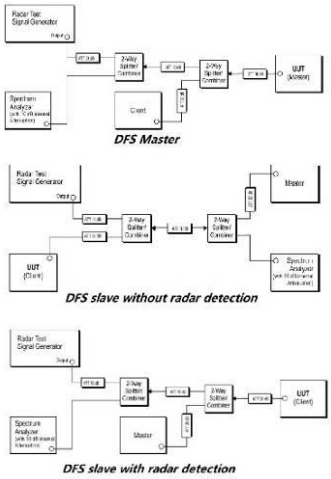
Temperature: 23.5 °C Humidity: 53.2 % RH Atmospheric Pressure: 1003 mbar

7.11.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	08	Normal operating_Keep the EUT communication with the companion

device.

7.11.3 Test Setup Diagram



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 X 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

7.12 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.

7.12.1 E.U.T. Operation

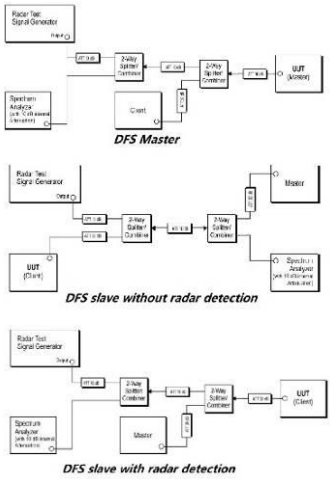
Operating Environment:

Temperature: 23.5 °C Humidity: 53.2 % RH Atmospheric Pressure: 1003 mbar

7.12.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	08	Normal operating_Keep the EUT communication with the companion 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 X 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

7.13 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.

7.13.1 E.U.T. Operation

Operating Environment:

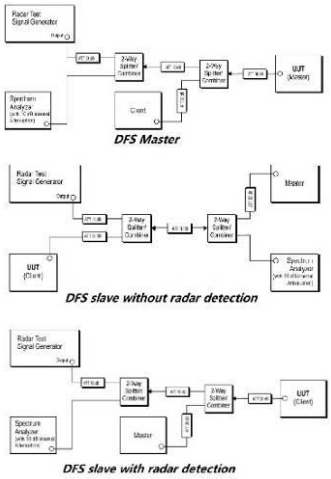
Temperature: 23.5 °C Humidity: 53.2 % RH Atmospheric Pressure: 1003 mbar

7.13.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	08	Normal operating_Keep the EUT communication with the companion

device.

7.13.3 Test Setup Diagram



7.13.4 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 X 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

7.14 Band Edge

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

Test Method: KDB 789033 D02 II

Limit:

Frequency band(MHz)	Limit
5150-5250	-27dBm/MHz
5250-5350	-27dBm/MHz
5470-5725	-27dBm/MHz
5725-5850	Below 5650MHz & above 5925MHz, -27dBm/MHz 5650-5700MHz & 5875-5925MHz, 10dBm/MHz 5700-5720MHz & 5855-5875MHz,15.6dBm/MHz 5720-5725MHz & 5850-5855MHz,27dBm/MHz

7.14.1 E.U.T. Operation

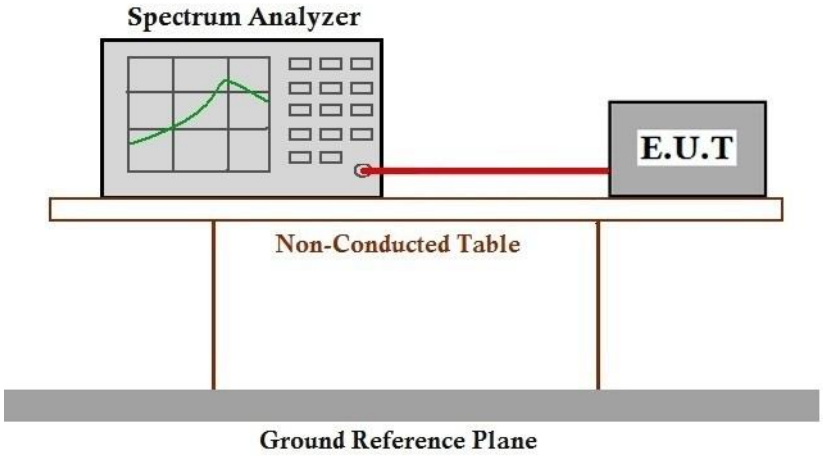
Operating Environment:

Temperature: 23.5 °C Humidity: 53.2 % RH Atmospheric Pressure: 1003 mbar

7.14.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	07	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.

7.14.3 Test Setup Diagram



7.14.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.15 Radiated Emissions (above 1GHz)

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

Test Method: KDB 789033 D02 II G

Limit:

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

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

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

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

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

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

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

7.15.1 E.U.T. Operation

Operating Environment:

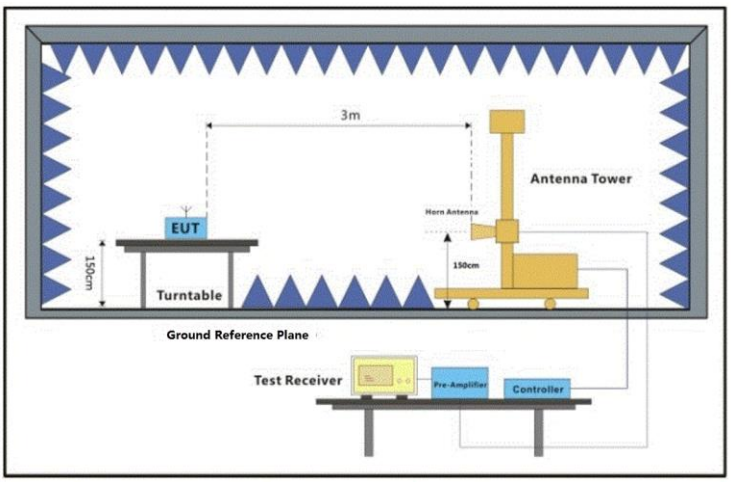
Temperature: 23.5 °C Humidity: 53.2 % RH Atmospheric Pressure: 1003 mbar

7.15.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description

Final test	04	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	05	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	06	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	07	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.

7.15.3 Test Setup Diagram



7.15.4 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 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.

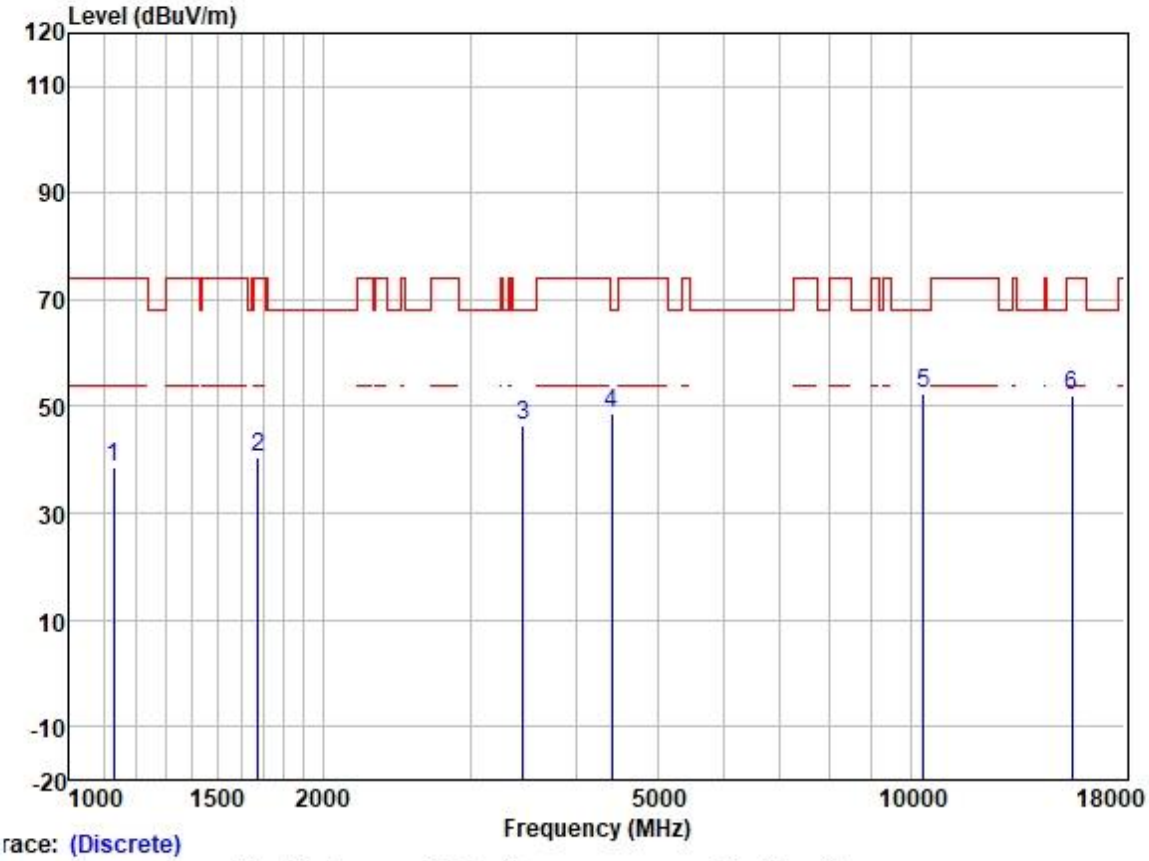
Remark:

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.

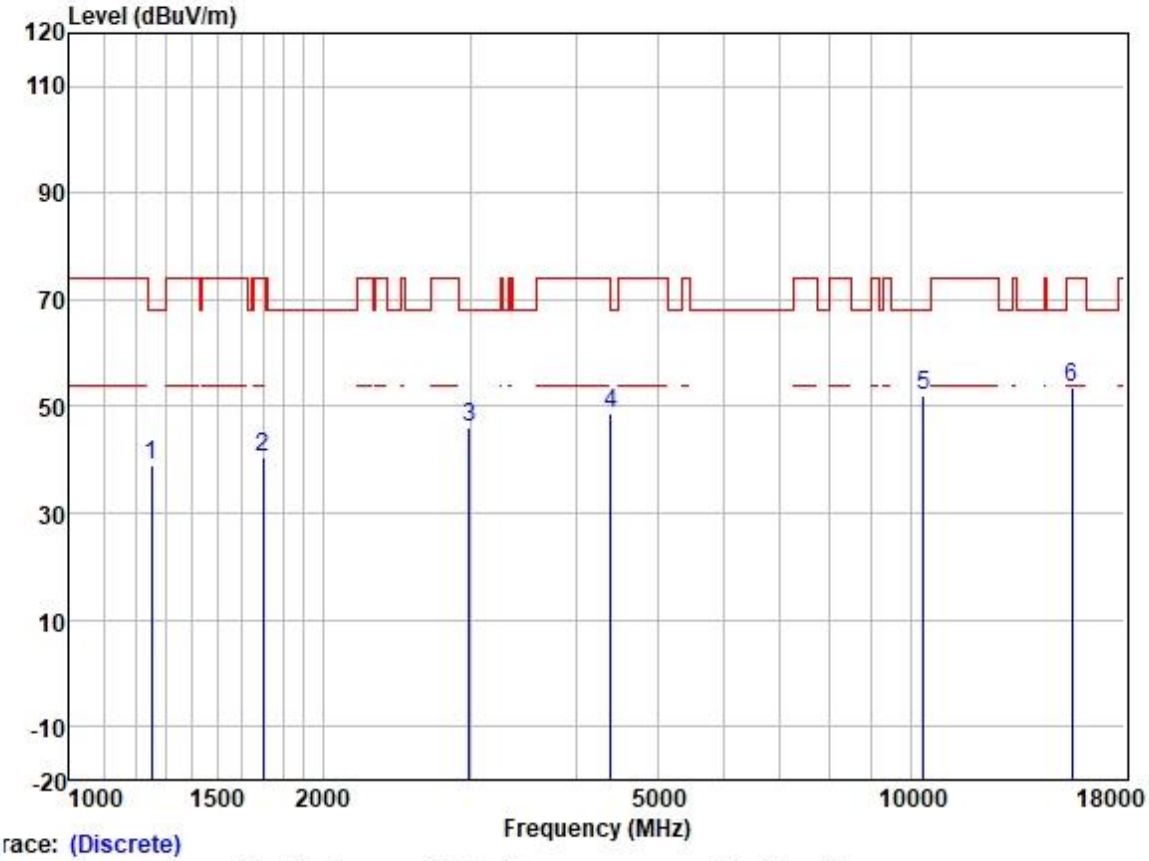
Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1129.072	50.33	24.43	2.20	38.43	38.53	74.00	-35.47	HORIZONTAL	Peak
2	1677.621	50.08	25.68	2.80	37.91	40.65	74.00	-33.35	HORIZONTAL	Peak
3	3465.510	50.28	28.88	4.22	36.95	46.43	68.20	-21.77	HORIZONTAL	Peak
4	4417.841	50.03	30.70	4.74	36.81	48.66	68.20	-19.54	HORIZONTAL	Peak
5	10360.000	43.38	39.28	7.29	37.37	52.58	68.20	-15.62	HORIZONTAL	Peak
6	15540.000	38.49	39.05	9.88	35.39	52.03	74.00	-21.97	HORIZONTAL	Peak

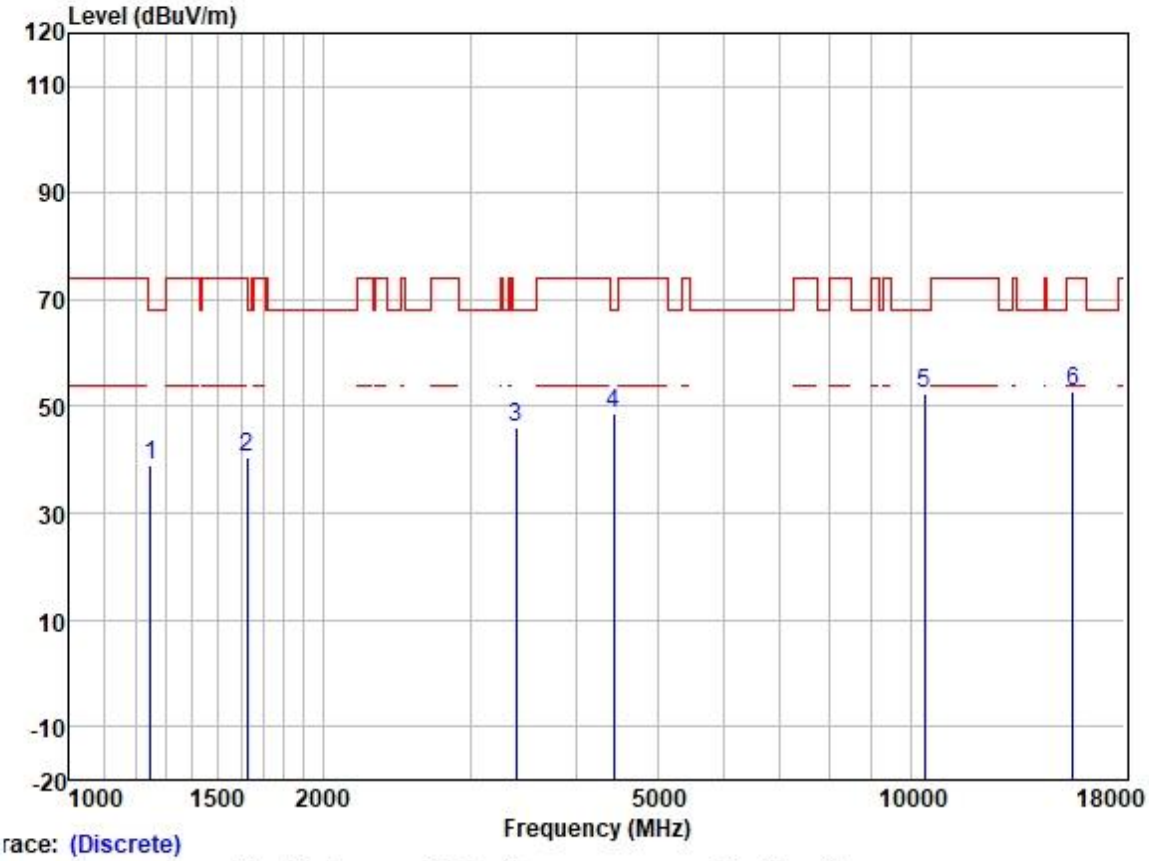
Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1252.885	49.91	25.03	2.36	38.35	38.95	68.20	-29.25	VERTICAL	Peak
2	1697.129	49.85	25.71	2.80	37.89	40.47	74.00	-33.53	VERTICAL	Peak
3	2990.531	51.03	28.39	3.79	37.25	45.96	68.20	-22.24	VERTICAL	Peak
4	4405.090	49.98	30.68	4.70	36.81	48.55	68.20	-19.65	VERTICAL	Peak
5	10360.000	42.91	39.28	7.29	37.37	52.11	68.20	-16.09	VERTICAL	Peak
6	15540.000	39.96	39.05	9.88	35.39	53.50	74.00	-20.50	VERTICAL	Peak

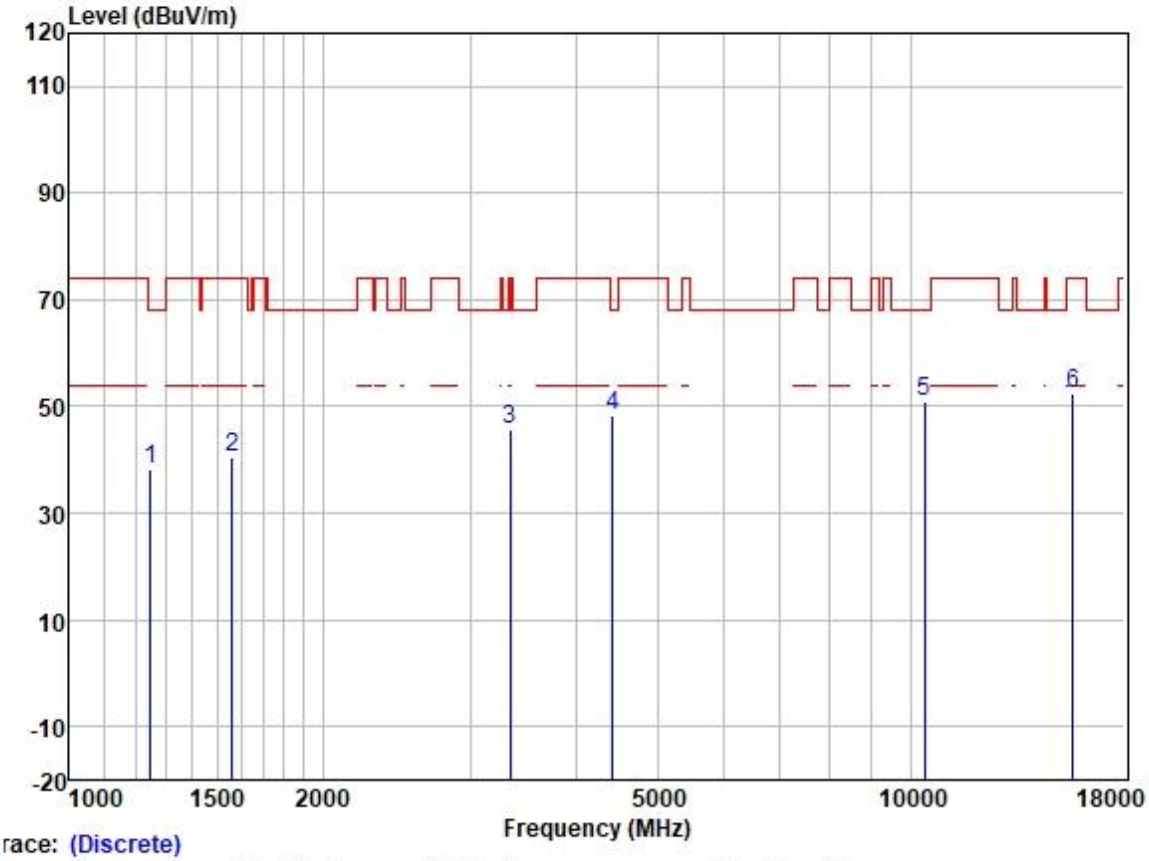
Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1249.269	50.07	25.02	2.34	38.35	39.08	68.20	-29.12	HORIZONTAL	Peak
2	1625.121	49.97	25.61	2.80	37.95	40.43	74.00	-33.57	HORIZONTAL	Peak
3	3396.098	50.15	28.84	4.10	36.98	46.11	68.20	-22.09	HORIZONTAL	Peak
4	4443.453	49.82	30.73	4.83	36.81	48.57	68.20	-19.63	HORIZONTAL	Peak
5	10400.000	43.29	39.33	7.32	37.36	52.58	68.20	-15.62	HORIZONTAL	Peak
6	15600.000	39.39	38.99	9.88	35.39	52.87	74.00	-21.13	HORIZONTAL	Peak

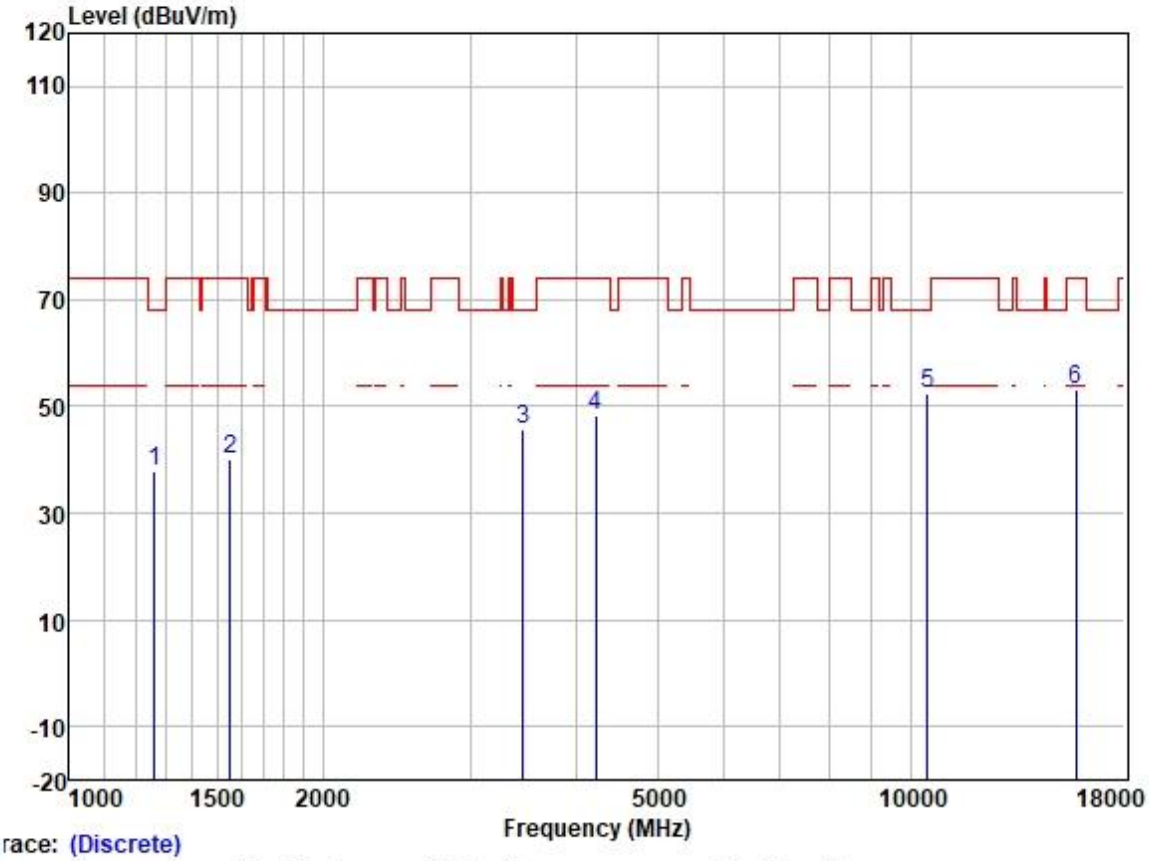
Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1249.269	49.07	25.02	2.34	38.35	38.08	68.20	-30.12	VERTICAL	Peak
2	1560.673	50.15	25.54	2.80	38.03	40.46	74.00	-33.54	VERTICAL	Peak
3	3337.710	49.92	28.79	4.08	37.01	45.78	74.00	-28.22	VERTICAL	Peak
4	4430.628	49.70	30.72	4.78	36.81	48.39	68.20	-19.81	VERTICAL	Peak
5	10400.000	41.77	39.33	7.32	37.36	51.06	68.20	-17.14	VERTICAL	Peak
6	15600.000	39.08	38.99	9.88	35.39	52.56	74.00	-21.44	VERTICAL	Peak

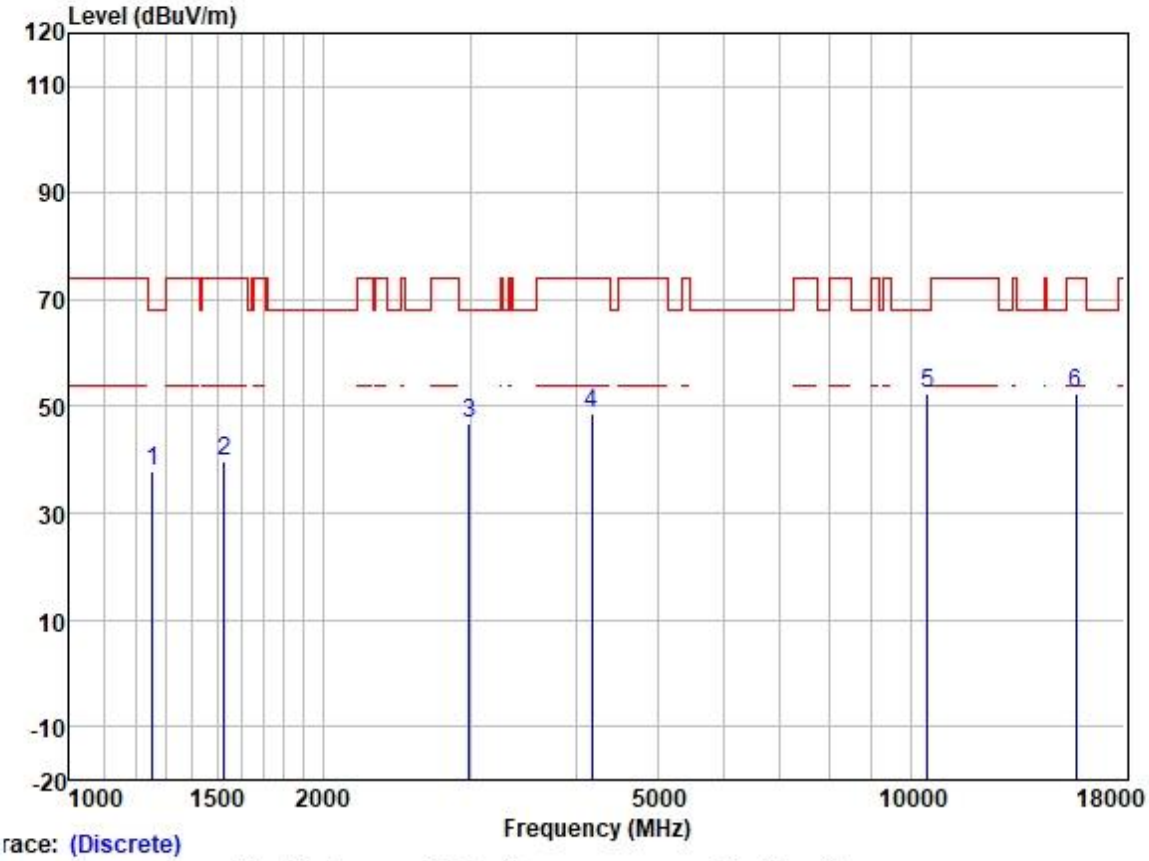
Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1263.796	48.56	25.08	2.42	38.33	37.73	68.20	-30.47	HORIZONTAL	Peak
2	1551.677	49.84	25.54	2.80	38.03	40.15	74.00	-33.85	HORIZONTAL	Peak
3	3465.510	49.66	28.88	4.22	36.95	45.81	68.20	-22.39	HORIZONTAL	Peak
4	4230.396	50.30	30.26	4.61	36.81	48.36	74.00	-25.64	HORIZONTAL	Peak
5	10480.000	42.95	39.46	7.40	37.36	52.45	68.20	-15.75	HORIZONTAL	Peak
6	15720.000	40.00	38.78	9.87	35.39	53.26	74.00	-20.74	HORIZONTAL	Peak

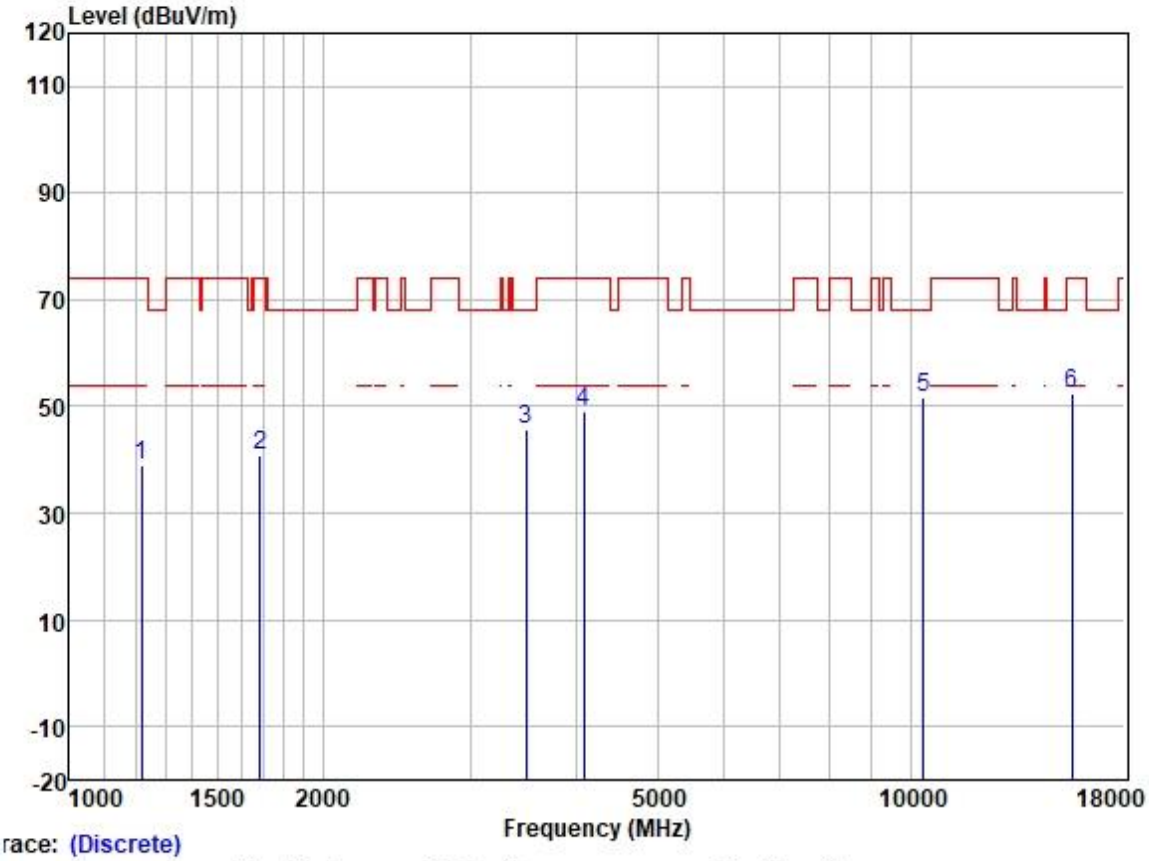
Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1256.512	48.80	25.05	2.38	38.35	37.88	68.20	-30.32	VERTICAL	Peak
2	1529.414	49.44	25.52	2.80	38.07	39.69	74.00	-34.31	VERTICAL	Peak
3	2990.531	52.05	28.39	3.79	37.25	46.98	68.20	-21.22	VERTICAL	Peak
4	4181.768	50.73	30.12	4.60	36.80	48.65	74.00	-25.35	VERTICAL	Peak
5	10480.000	43.02	39.46	7.40	37.36	52.52	68.20	-15.68	VERTICAL	Peak
6	15720.000	39.13	38.78	9.87	35.39	52.39	74.00	-21.61	VERTICAL	Peak

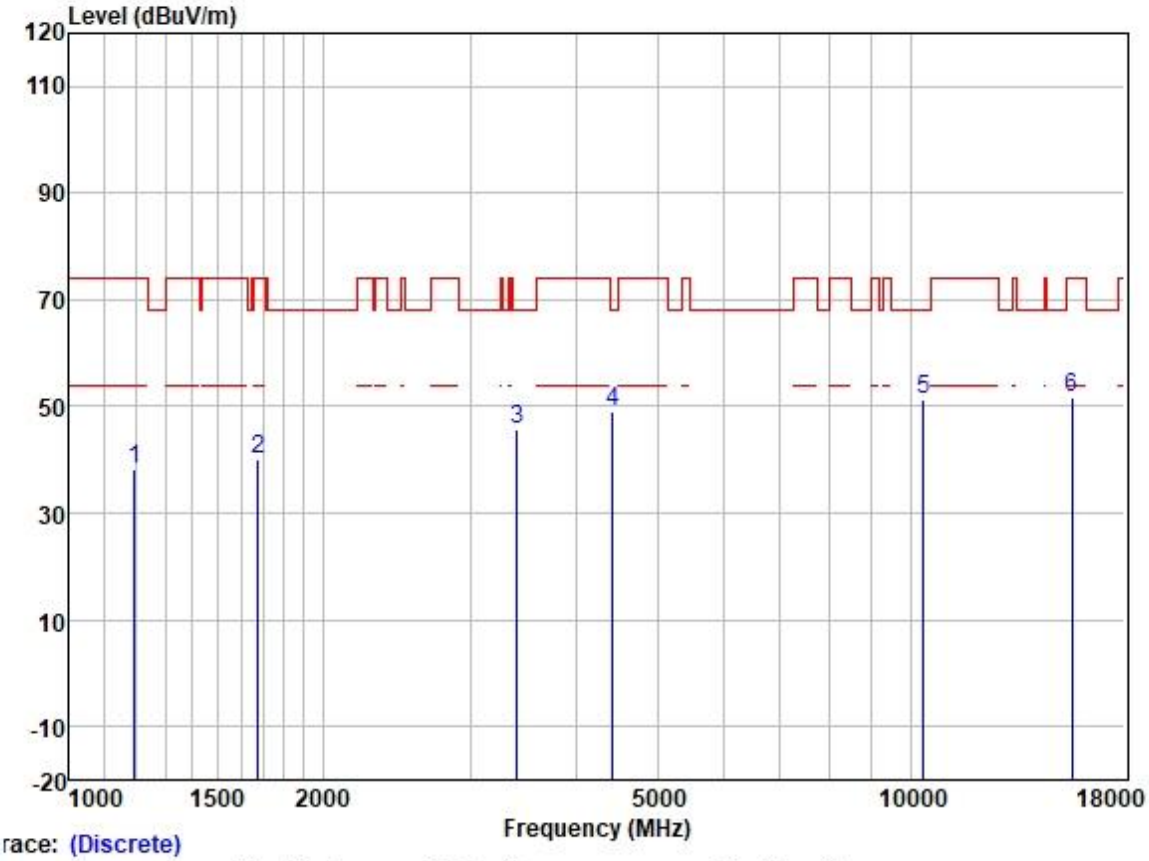
Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1217.190	50.12	24.79	2.32	38.37	38.86	74.00	-35.14	HORIZONTAL	Peak
2	1687.347	50.33	25.69	2.80	37.91	40.91	74.00	-33.09	HORIZONTAL	Peak
3	3495.691	49.58	28.90	4.30	36.94	45.84	68.20	-22.36	HORIZONTAL	Peak
4	4086.182	51.47	29.92	4.60	36.80	49.19	74.00	-24.81	HORIZONTAL	Peak
5	10360.000	42.63	39.28	7.29	37.37	51.83	68.20	-16.37	HORIZONTAL	Peak
6	15540.000	38.99	39.05	9.88	35.39	52.53	74.00	-21.47	HORIZONTAL	Peak

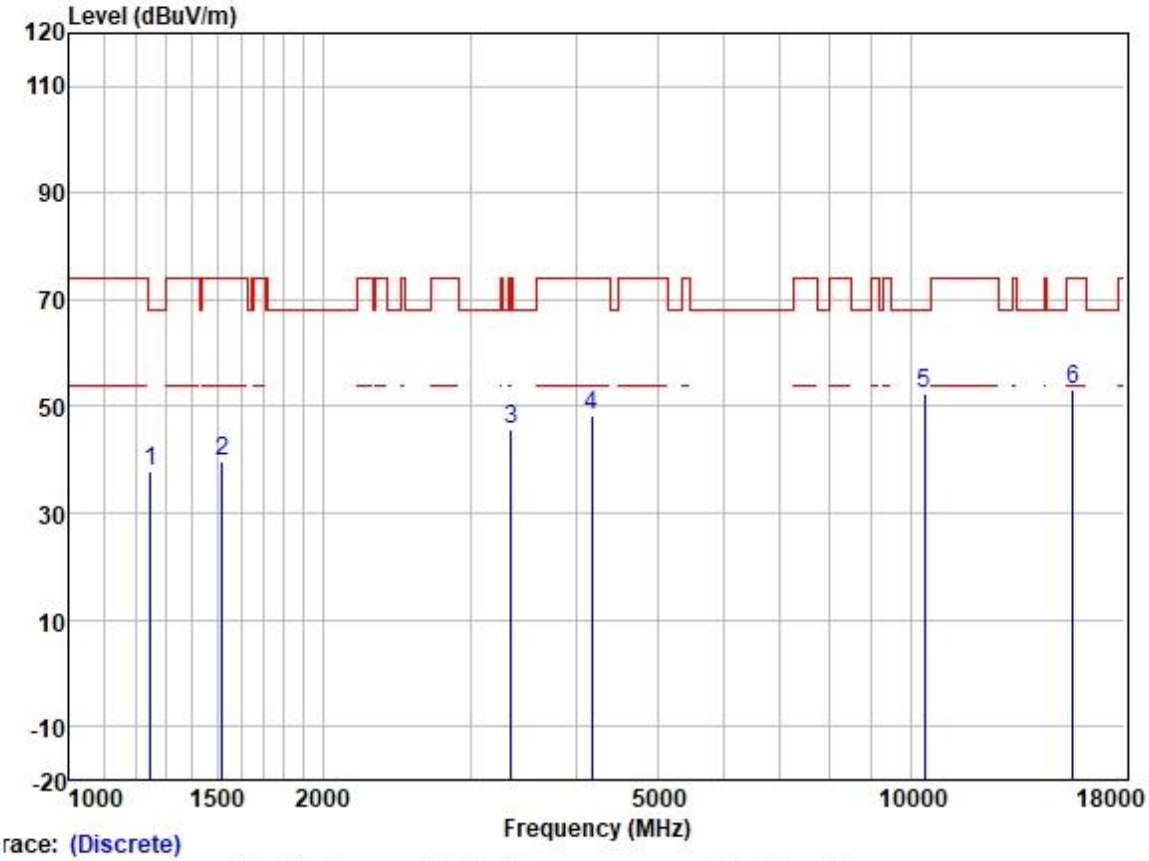
Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1196.264	49.52	24.67	2.35	38.39	38.15	74.00	-35.85	VERTICAL	Peak
2	1677.621	49.71	25.68	2.80	37.91	40.28	74.00	-33.72	VERTICAL	Peak
3	3405.929	49.86	28.85	4.11	36.98	45.84	68.20	-22.36	VERTICAL	Peak
4	4430.628	50.46	30.72	4.78	36.81	49.15	68.20	-19.05	VERTICAL	Peak
5	10360.000	42.07	39.28	7.29	37.37	51.27	68.20	-16.93	VERTICAL	Peak
6	15540.000	38.25	39.05	9.88	35.39	51.79	74.00	-22.21	VERTICAL	Peak

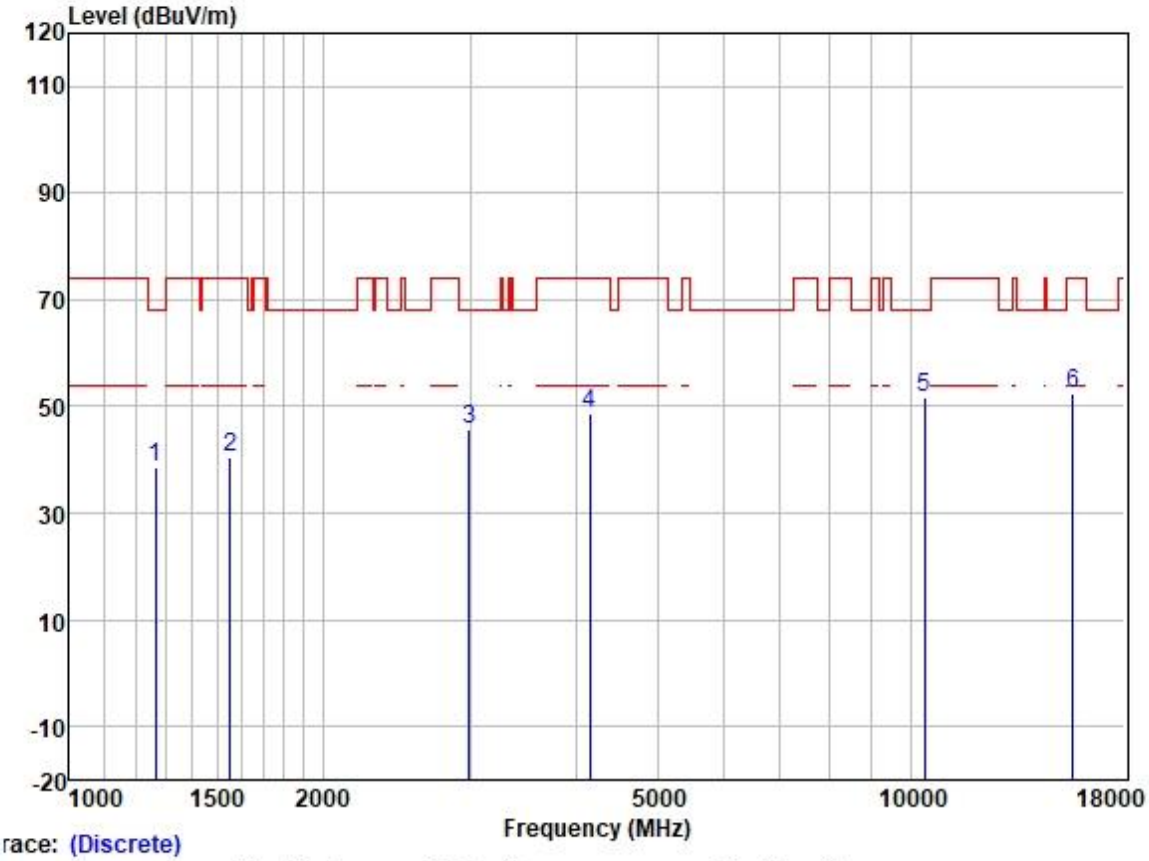
Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1249.269	48.98	25.02	2.34	38.35	37.99	68.20	-30.21	HORIZONTAL	Peak
2	1520.598	49.59	25.51	2.80	38.07	39.83	74.00	-34.17	HORIZONTAL	Peak
3	3347.371	49.76	28.80	4.08	37.01	45.63	74.00	-28.37	HORIZONTAL	Peak
4	4181.768	50.35	30.12	4.60	36.80	48.27	74.00	-25.73	HORIZONTAL	Peak
5	10400.000	42.96	39.33	7.32	37.36	52.25	68.20	-15.95	HORIZONTAL	Peak
6	15600.000	39.71	38.99	9.88	35.39	53.19	74.00	-20.81	HORIZONTAL	Peak

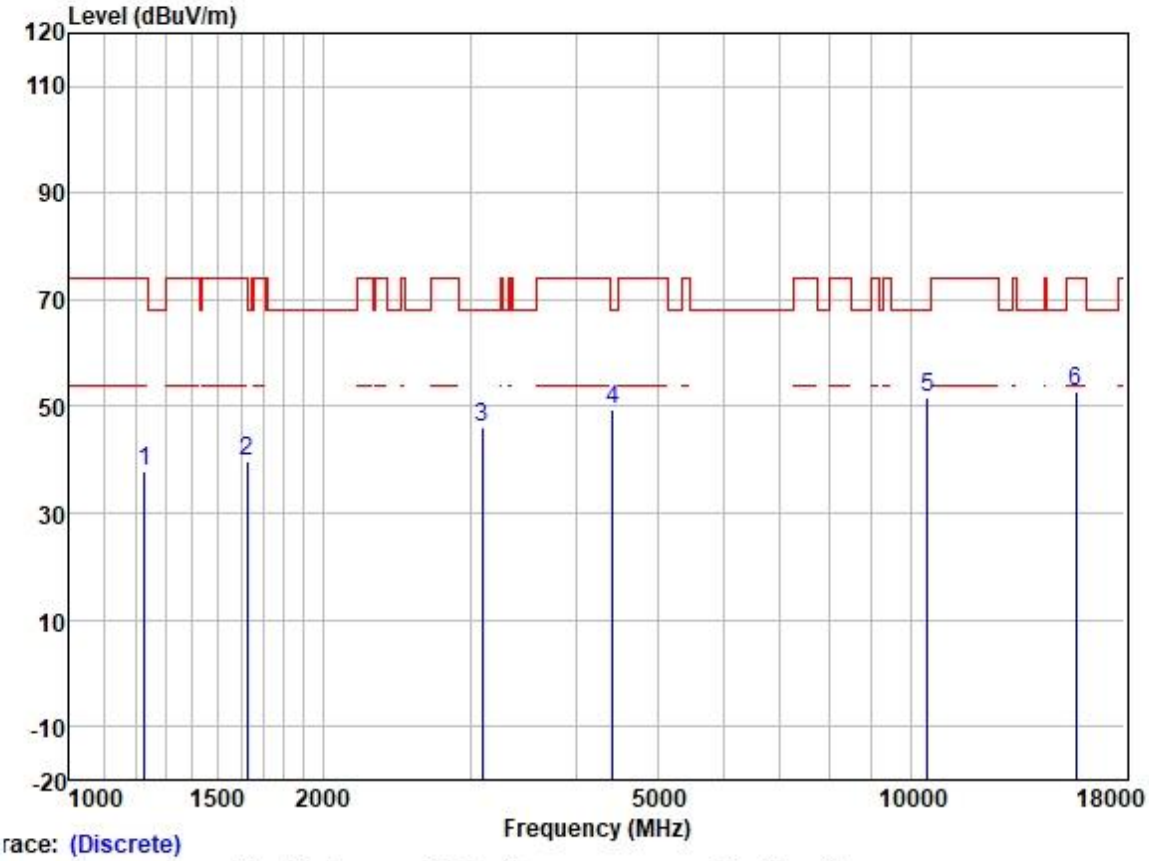
Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



race: (Discrete)

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1267.454	49.43	25.10	2.44	38.33	38.64	68.20	-29.56	VERTICAL	Peak
2	1551.677	50.17	25.54	2.80	38.03	40.48	74.00	-33.52	VERTICAL	Peak
3	2990.531	50.92	28.39	3.79	37.25	45.85	68.20	-22.35	VERTICAL	Peak
4	4157.664	50.69	30.06	4.60	36.80	48.55	74.00	-25.45	VERTICAL	Peak
5	10400.000	42.55	39.33	7.32	37.36	51.84	68.20	-16.36	VERTICAL	Peak
6	15600.000	38.89	38.99	9.88	35.39	52.37	74.00	-21.63	VERTICAL	Peak

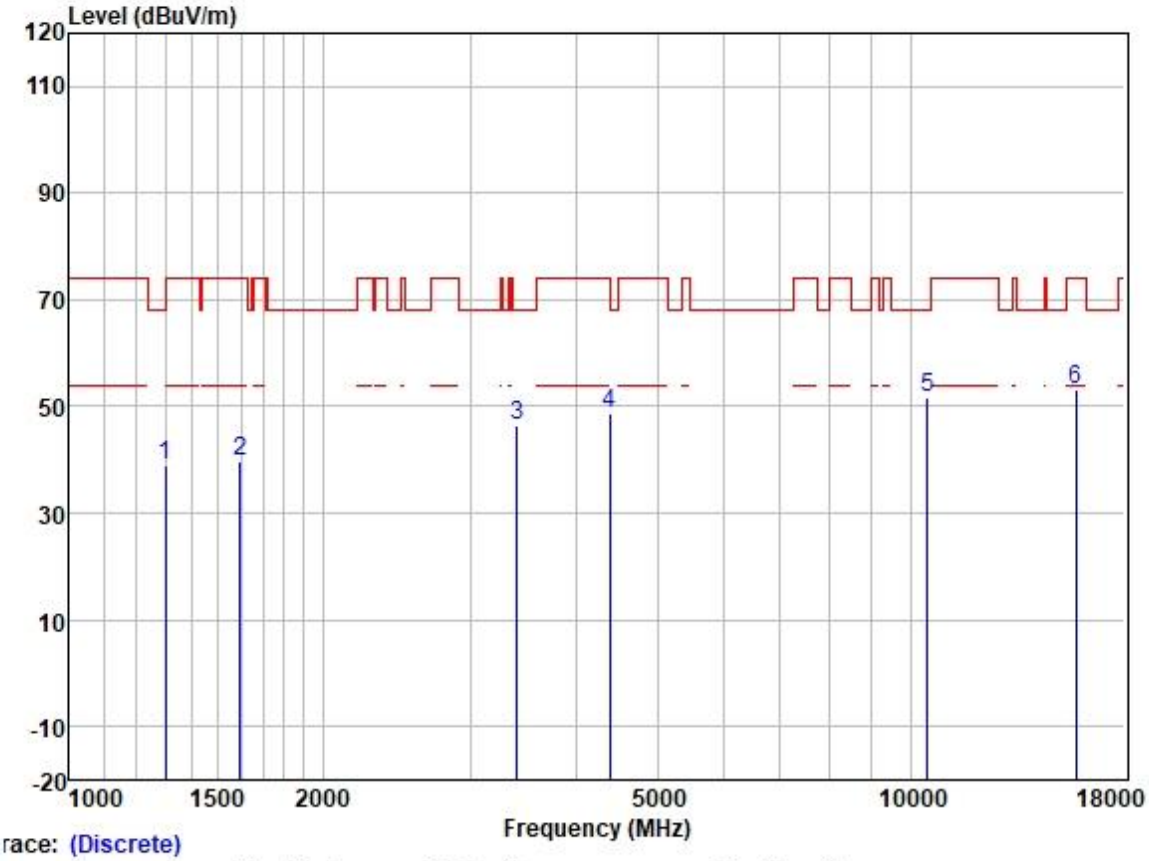
Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1227.791	49.21	24.88	2.31	38.37	38.03	74.00	-35.97	HORIZONTAL	Peak
2	1625.121	49.14	25.61	2.80	37.95	39.60	74.00	-34.40	HORIZONTAL	Peak
3	3096.075	50.85	28.47	3.90	37.16	46.06	68.20	-22.14	HORIZONTAL	Peak
4	4430.628	50.76	30.72	4.78	36.81	49.45	68.20	-18.75	HORIZONTAL	Peak
5	10480.000	42.24	39.46	7.40	37.36	51.74	68.20	-16.46	HORIZONTAL	Peak
6	15720.000	39.67	38.78	9.87	35.39	52.93	74.00	-21.07	HORIZONTAL	Peak

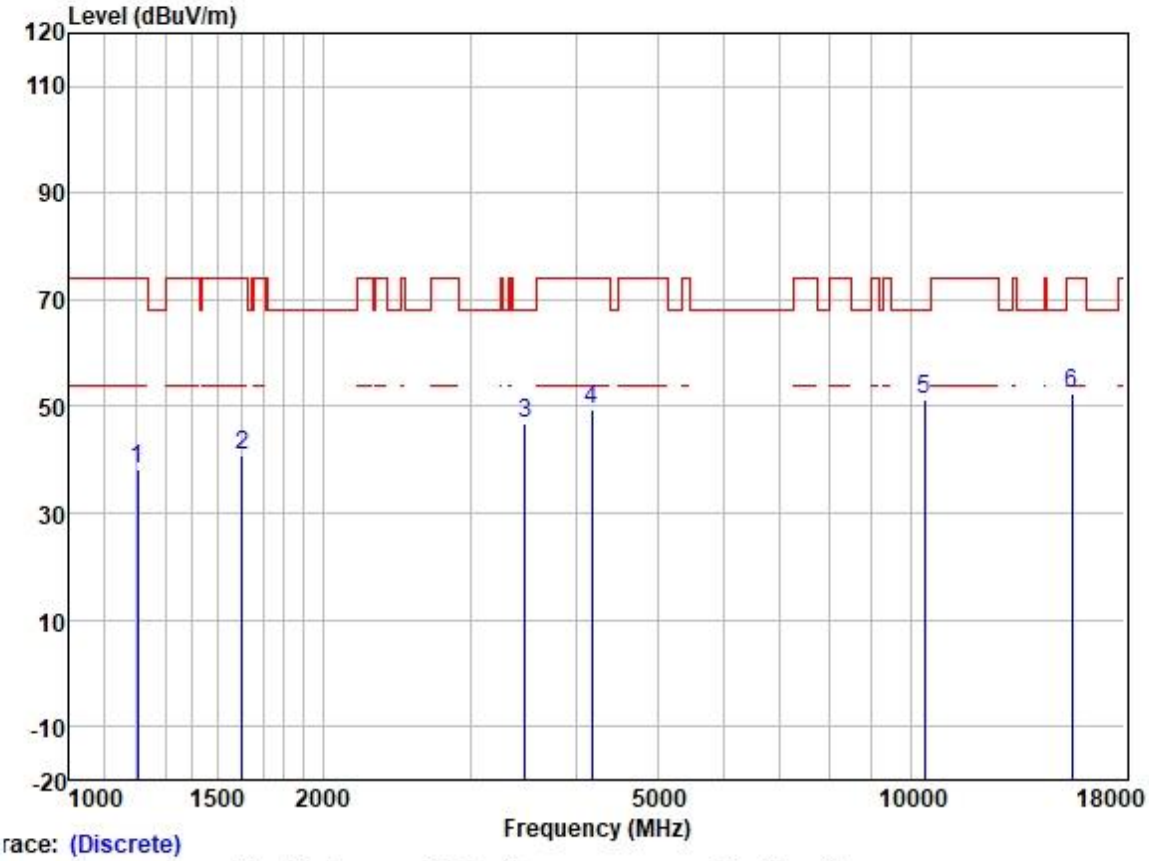
Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1300.858	49.38	25.20	2.60	38.31	38.87	74.00	-35.13	VERTICAL	Peak
2	1597.181	49.40	25.58	2.80	37.98	39.80	74.00	-34.20	VERTICAL	Peak
3	3405.929	50.33	28.85	4.11	36.98	46.31	68.20	-21.89	VERTICAL	Peak
4	4392.376	50.28	30.66	4.70	36.81	48.83	74.00	-25.17	VERTICAL	Peak
5	10480.000	42.25	39.46	7.40	37.36	51.75	68.20	-16.45	VERTICAL	Peak
6	15720.000	39.86	38.78	9.87	35.39	53.12	74.00	-20.88	VERTICAL	Peak

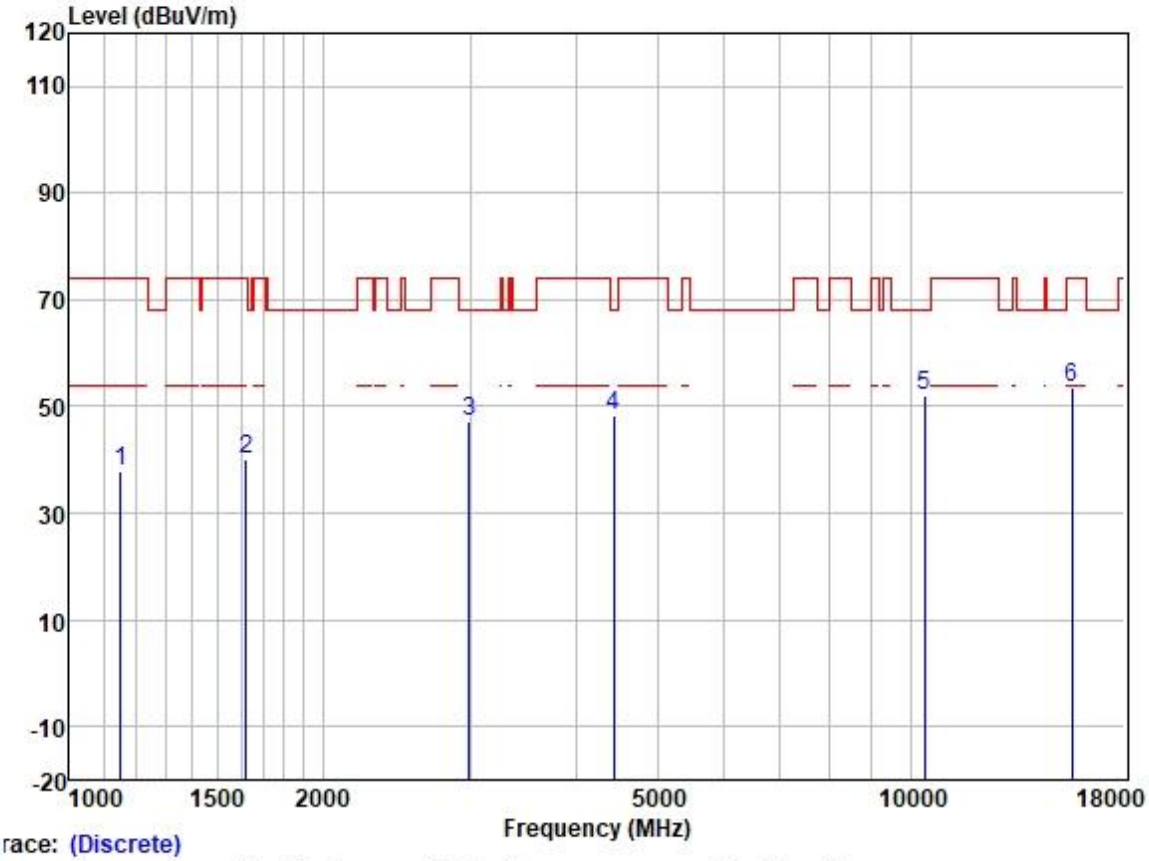
Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1206.682	49.73	24.72	2.33	38.39	38.39	74.00	-35.61	HORIZONTAL	Peak
2	1606.441	50.32	25.59	2.80	37.98	40.73	74.00	-33.27	HORIZONTAL	Peak
3	3485.601	50.60	28.89	4.27	36.95	46.81	68.20	-21.39	HORIZONTAL	Peak
4	4181.768	51.42	30.12	4.60	36.80	49.34	74.00	-24.66	HORIZONTAL	Peak
5	10380.000	42.17	39.33	7.32	37.37	51.45	68.20	-16.75	HORIZONTAL	Peak
6	15570.000	39.04	38.99	9.88	35.39	52.52	74.00	-21.48	HORIZONTAL	Peak

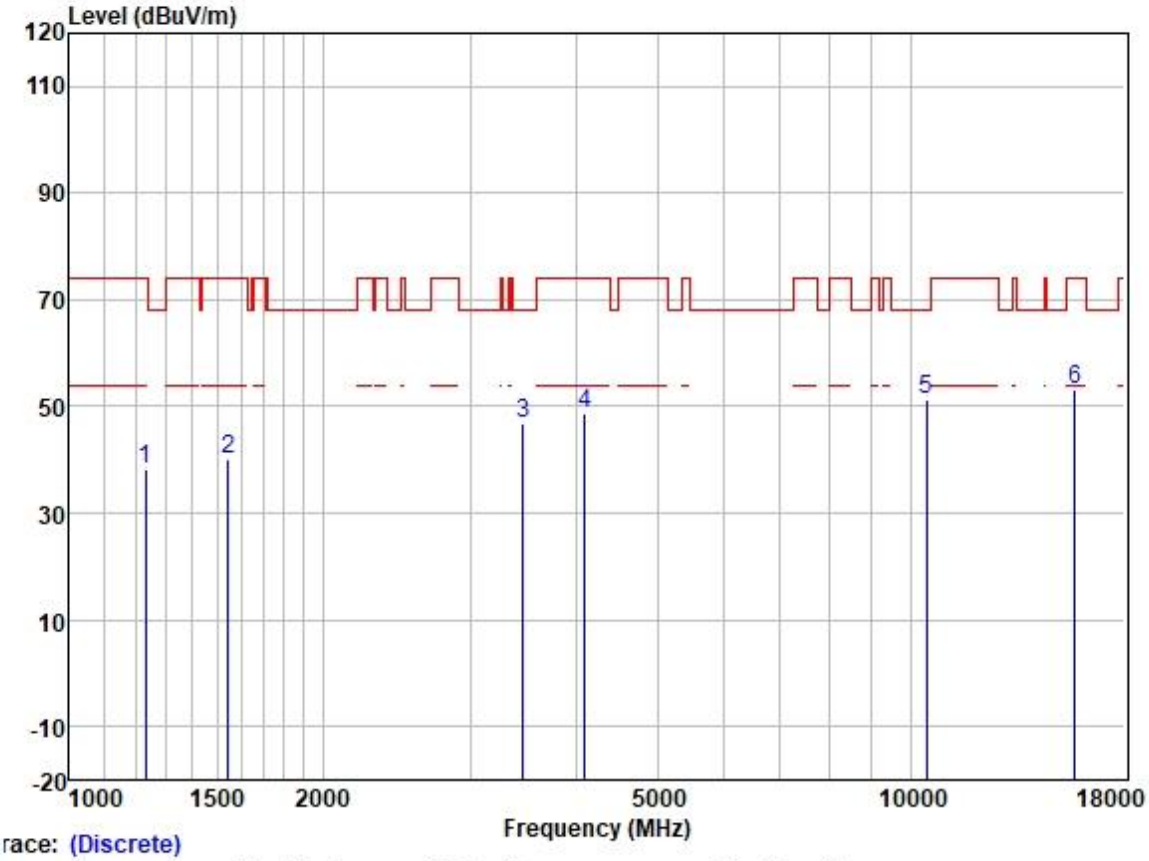
Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1152.148	49.49	24.50	2.36	38.42	37.93	74.00	-36.07	VERTICAL	Peak
2	1620.431	49.66	25.60	2.80	37.95	40.11	74.00	-33.89	VERTICAL	Peak
3	2990.531	52.36	28.39	3.79	37.25	47.29	68.20	-20.91	VERTICAL	Peak
4	4443.453	49.73	30.73	4.83	36.81	48.48	68.20	-19.72	VERTICAL	Peak
5	10380.000	42.72	39.33	7.32	37.37	52.00	68.20	-16.20	VERTICAL	Peak
6	15570.000	40.15	38.99	9.88	35.39	53.63	74.00	-20.37	VERTICAL	Peak

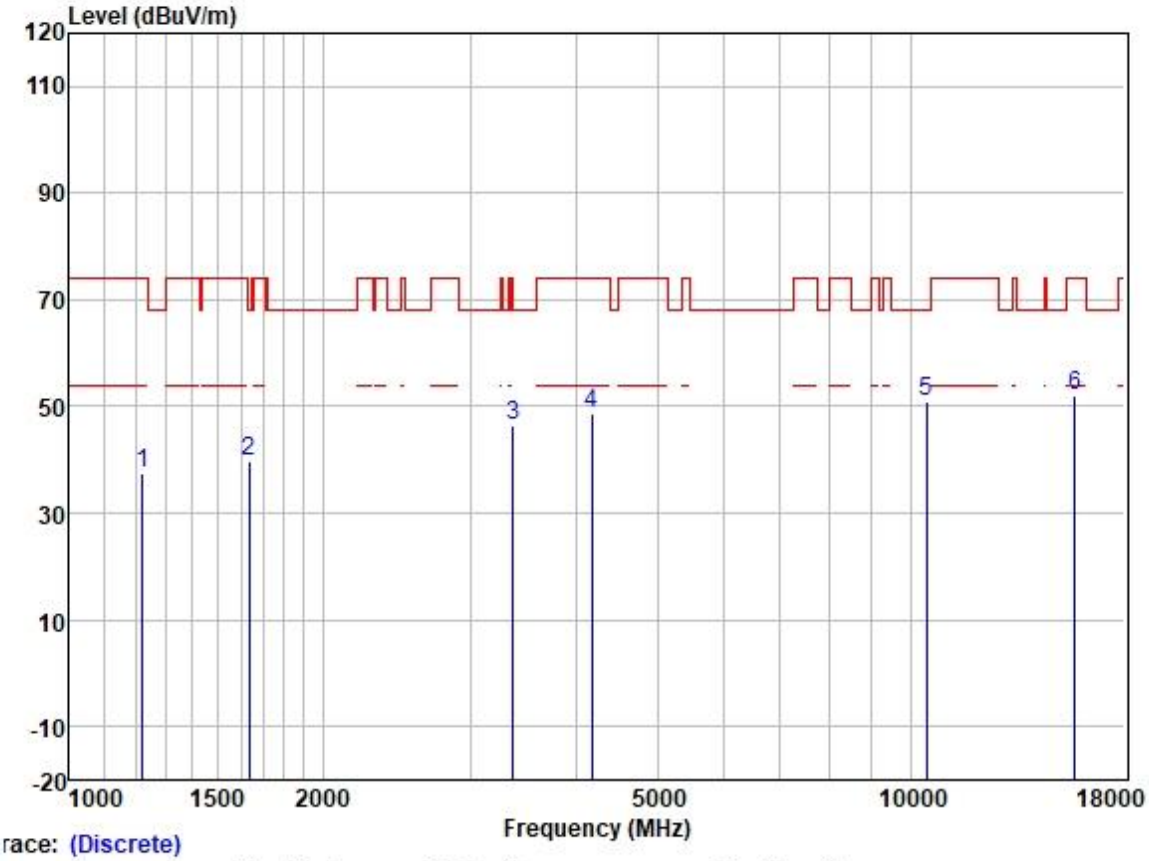
Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1231.345	49.28	24.91	2.31	38.37	38.13	74.00	-35.87	HORIZONTAL	Peak
2	1542.733	49.68	25.53	2.80	38.03	39.98	74.00	-34.02	HORIZONTAL	Peak
3	3465.510	50.68	28.88	4.22	36.95	46.83	68.20	-21.37	HORIZONTAL	Peak
4	4098.010	50.91	29.94	4.60	36.80	48.65	74.00	-25.35	HORIZONTAL	Peak
5	10460.000	41.78	39.42	7.37	37.36	51.21	68.20	-16.99	HORIZONTAL	Peak
6	15690.000	39.84	38.86	9.87	35.39	53.18	74.00	-20.82	HORIZONTAL	Peak

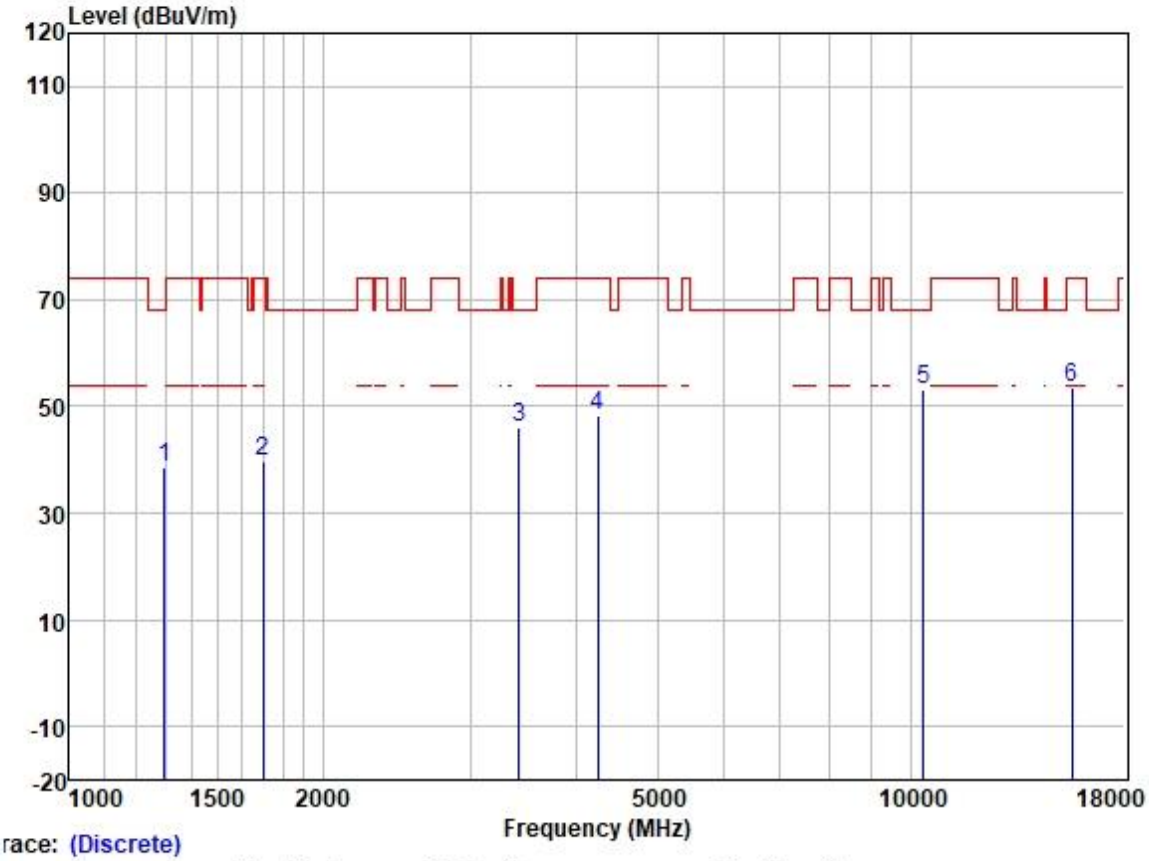
Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1220.714	48.89	24.82	2.32	38.37	37.66	74.00	-36.34	VERTICAL	Peak
2	1634.543	49.39	25.62	2.80	37.95	39.86	68.20	-28.34	VERTICAL	Peak
3	3366.778	50.37	28.82	4.09	36.99	46.29	68.20	-21.91	VERTICAL	Peak
4	4181.768	50.82	30.12	4.60	36.80	48.74	74.00	-25.26	VERTICAL	Peak
5	10460.000	41.56	39.42	7.37	37.36	50.99	68.20	-17.21	VERTICAL	Peak
6	15690.000	38.64	38.86	9.87	35.39	51.98	74.00	-22.02	VERTICAL	Peak

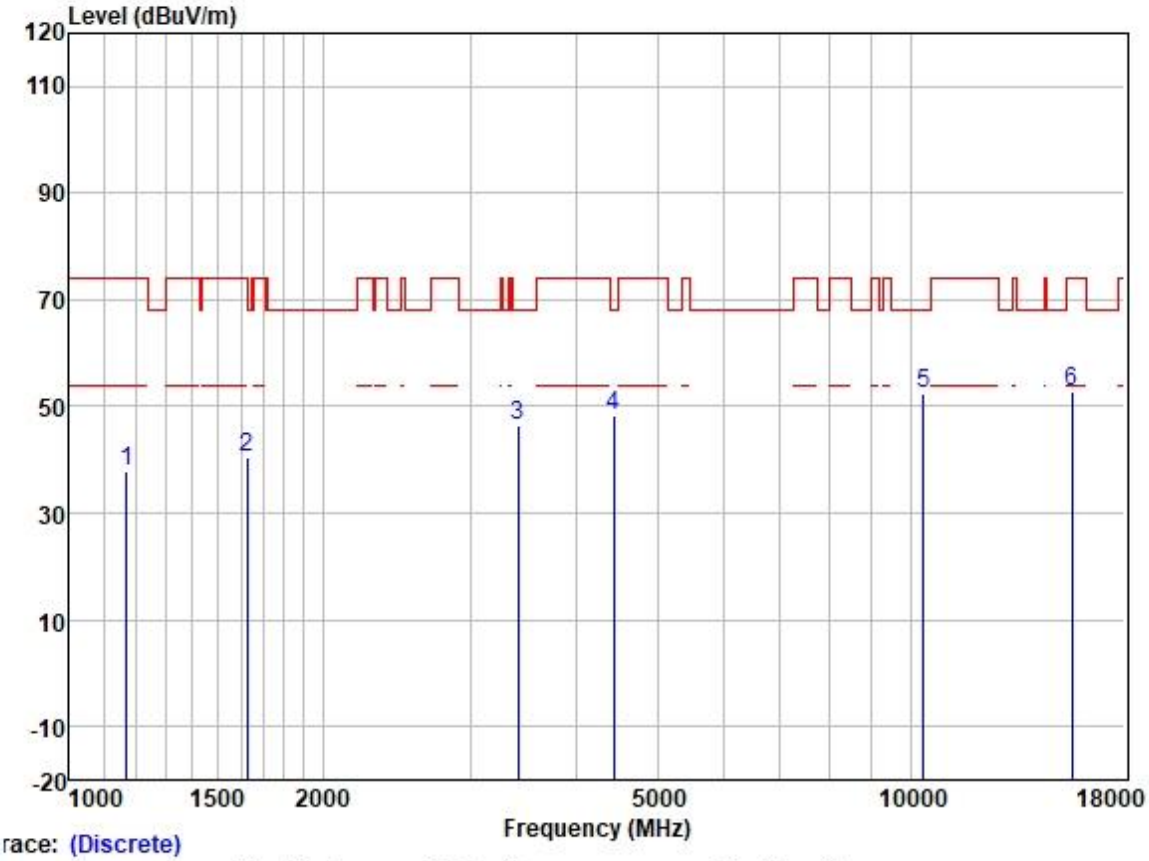
Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1297.103	49.11	25.19	2.58	38.31	38.57	68.20	-29.63	HORIZONTAL	Peak
2	1697.129	49.20	25.71	2.80	37.89	39.82	74.00	-34.18	HORIZONTAL	Peak
3	3425.675	50.15	28.86	4.15	36.97	46.19	68.20	-22.01	HORIZONTAL	Peak
4	4242.641	50.15	30.30	4.62	36.81	48.26	74.00	-25.74	HORIZONTAL	Peak
5	10360.000	43.84	39.28	7.29	37.37	53.04	68.20	-15.16	HORIZONTAL	Peak
6	15540.000	39.90	39.05	9.88	35.39	53.44	74.00	-20.56	HORIZONTAL	Peak

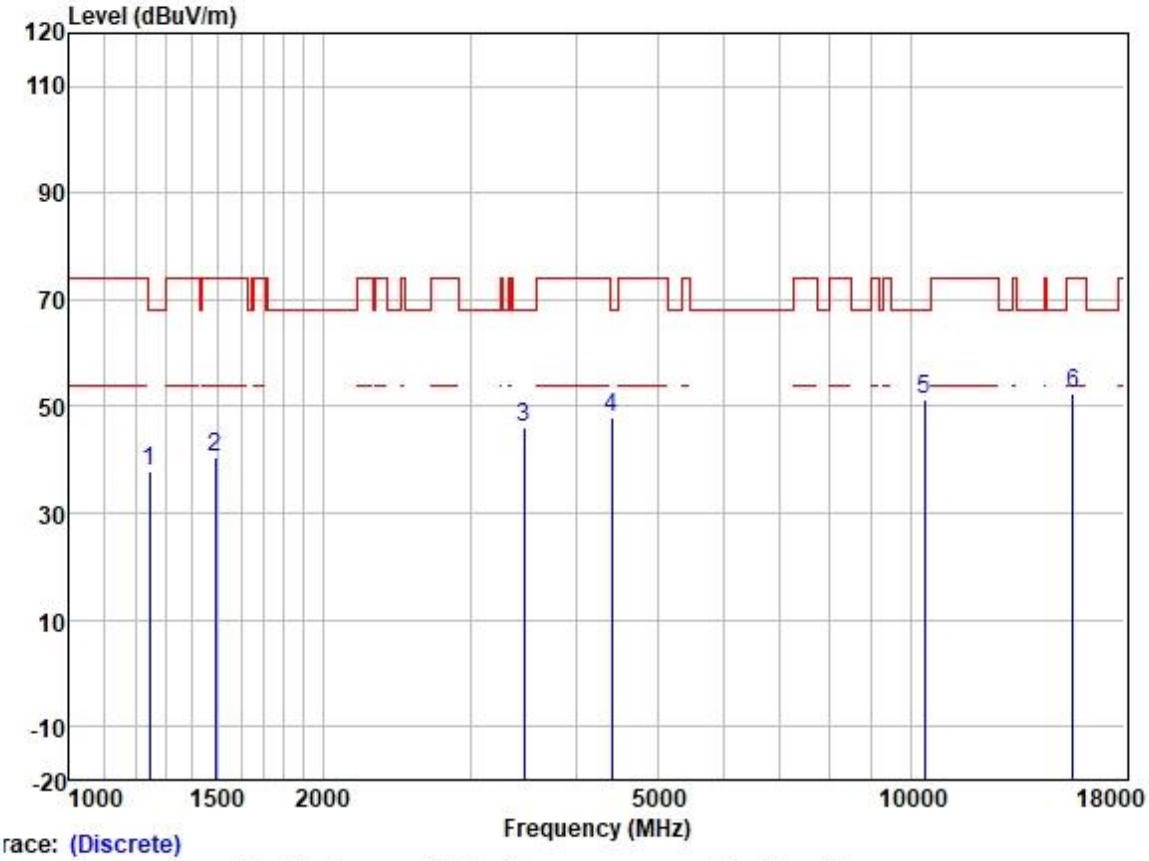
Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1168.920	49.44	24.55	2.39	38.40	37.98	74.00	-36.02	VERTICAL	Peak
2	1625.121	49.93	25.61	2.80	37.95	40.39	74.00	-33.61	VERTICAL	Peak
3	3415.787	50.43	28.85	4.13	36.97	46.44	68.20	-21.76	VERTICAL	Peak
4	4443.453	49.58	30.73	4.83	36.81	48.33	68.20	-19.87	VERTICAL	Peak
5	10360.000	43.29	39.28	7.29	37.37	52.49	68.20	-15.71	VERTICAL	Peak
6	15540.000	39.27	39.05	9.88	35.39	52.81	74.00	-21.19	VERTICAL	Peak

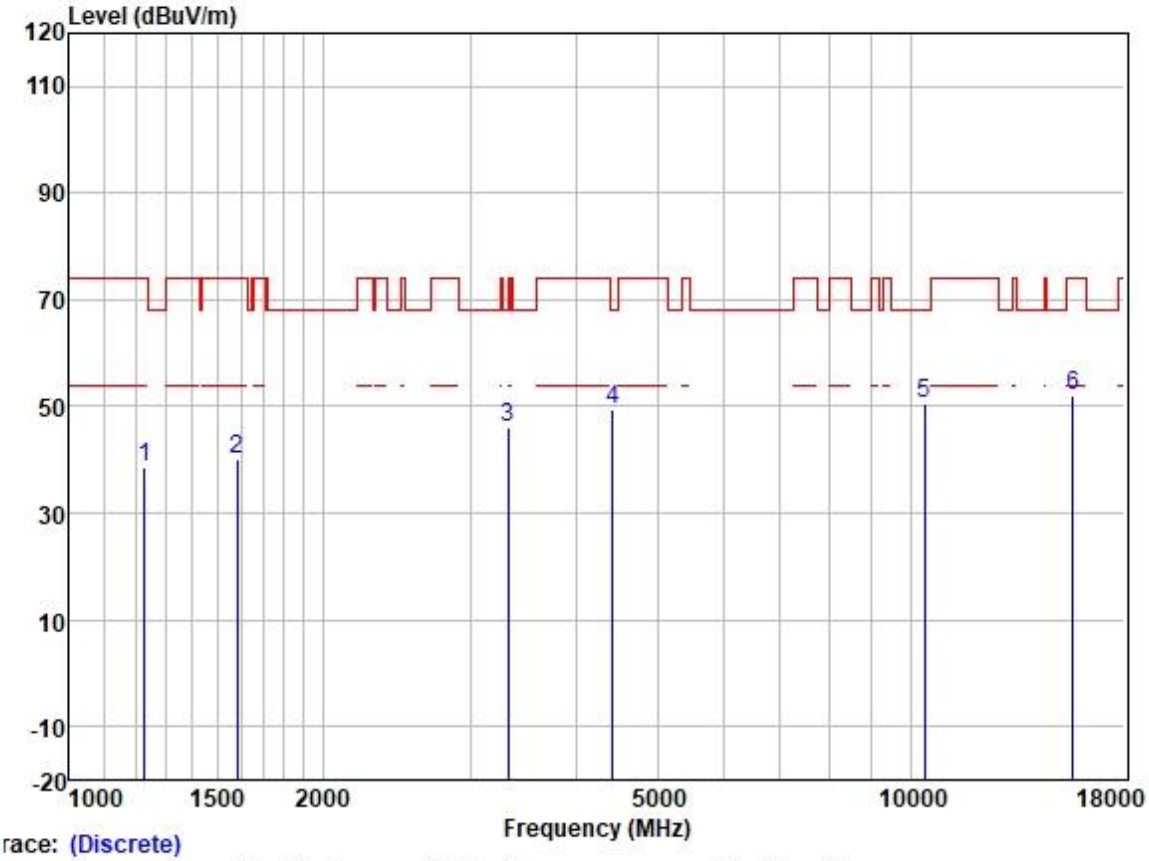
Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1245.663	49.04	25.00	2.33	38.35	38.02	68.20	-30.18	HORIZONTAL	Peak
2	1490.142	50.35	25.49	2.79	38.10	40.53	74.00	-33.47	HORIZONTAL	Peak
3	3475.541	49.77	28.89	4.25	36.95	45.96	68.20	-22.24	HORIZONTAL	Peak
4	4417.841	49.24	30.70	4.74	36.81	47.87	68.20	-20.33	HORIZONTAL	Peak
5	10400.000	42.20	39.33	7.32	37.36	51.49	68.20	-16.71	HORIZONTAL	Peak
6	15600.000	38.79	38.99	9.88	35.39	52.27	74.00	-21.73	HORIZONTAL	Peak

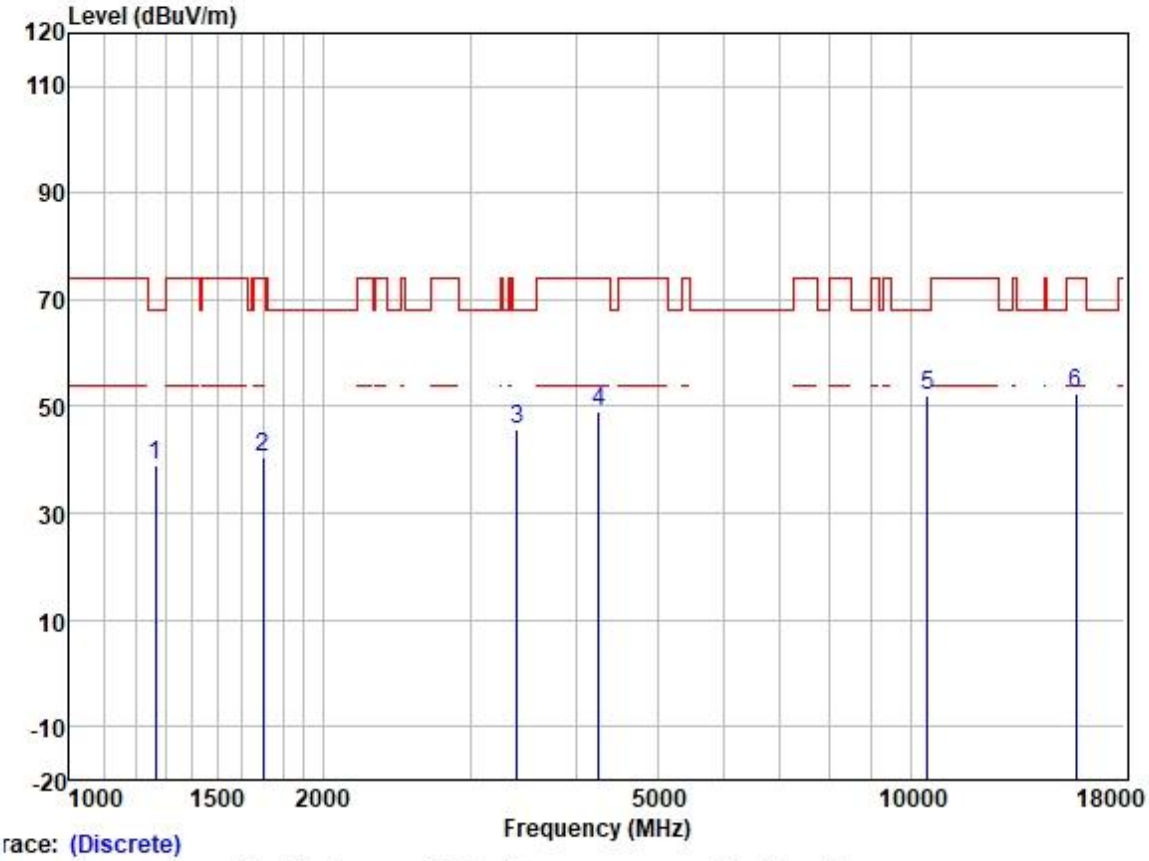
Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1227.791	49.94	24.88	2.31	38.37	38.76	74.00	-35.24	VERTICAL	Peak
2	1583.392	49.62	25.56	2.80	38.00	39.98	74.00	-34.02	VERTICAL	Peak
3	3328.077	50.43	28.78	4.07	37.02	46.26	68.20	-21.94	VERTICAL	Peak
4	4430.628	50.80	30.72	4.78	36.81	49.49	68.20	-18.71	VERTICAL	Peak
5	10400.000	41.35	39.33	7.32	37.36	50.64	68.20	-17.56	VERTICAL	Peak
6	15600.000	38.45	38.99	9.88	35.39	51.93	74.00	-22.07	VERTICAL	Peak

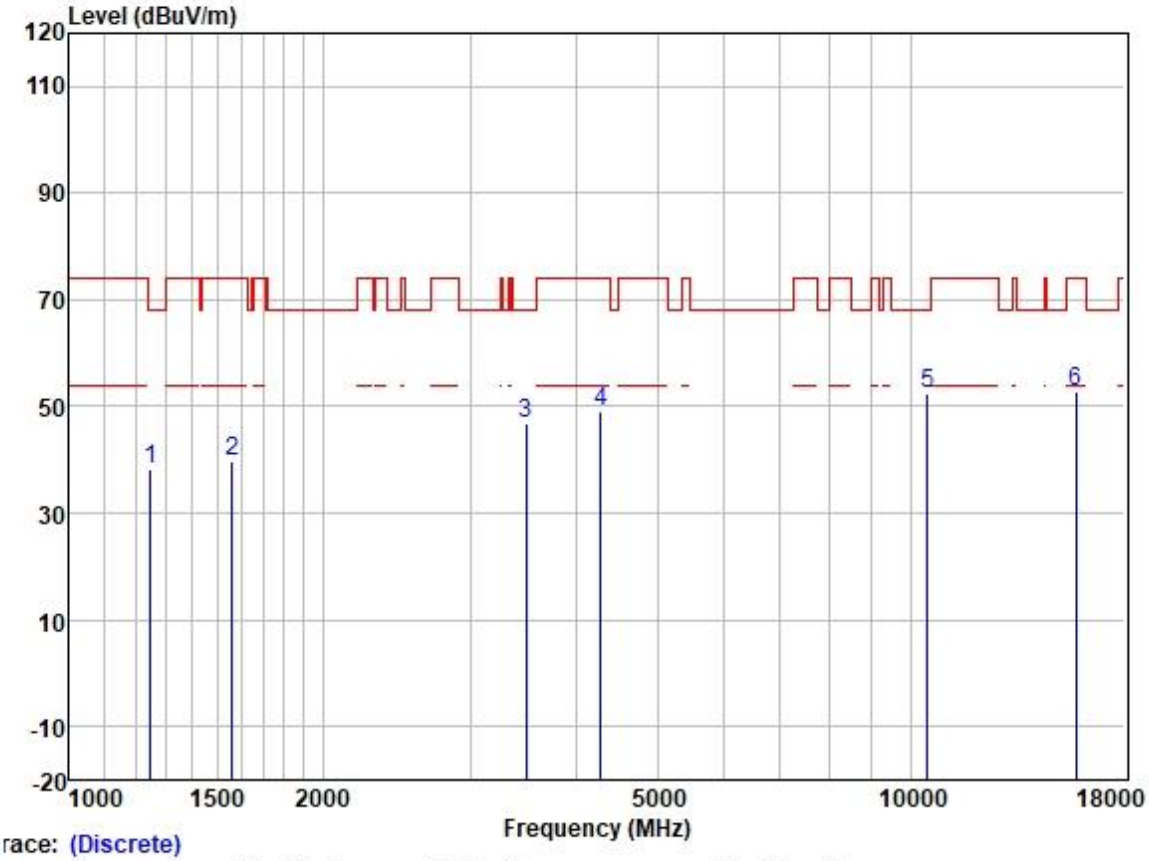
Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1267.454	49.72	25.10	2.44	38.33	38.93	68.20	-29.27	HORIZONTAL	Peak
2	1697.129	50.01	25.71	2.80	37.89	40.63	74.00	-33.37	HORIZONTAL	Peak
3	3405.929	49.85	28.85	4.11	36.98	45.83	68.20	-22.37	HORIZONTAL	Peak
4	4254.921	50.86	30.34	4.62	36.81	49.01	74.00	-24.99	HORIZONTAL	Peak
5	10480.000	42.67	39.46	7.40	37.36	52.17	68.20	-16.03	HORIZONTAL	Peak
6	15720.000	39.35	38.78	9.87	35.39	52.61	74.00	-21.39	HORIZONTAL	Peak

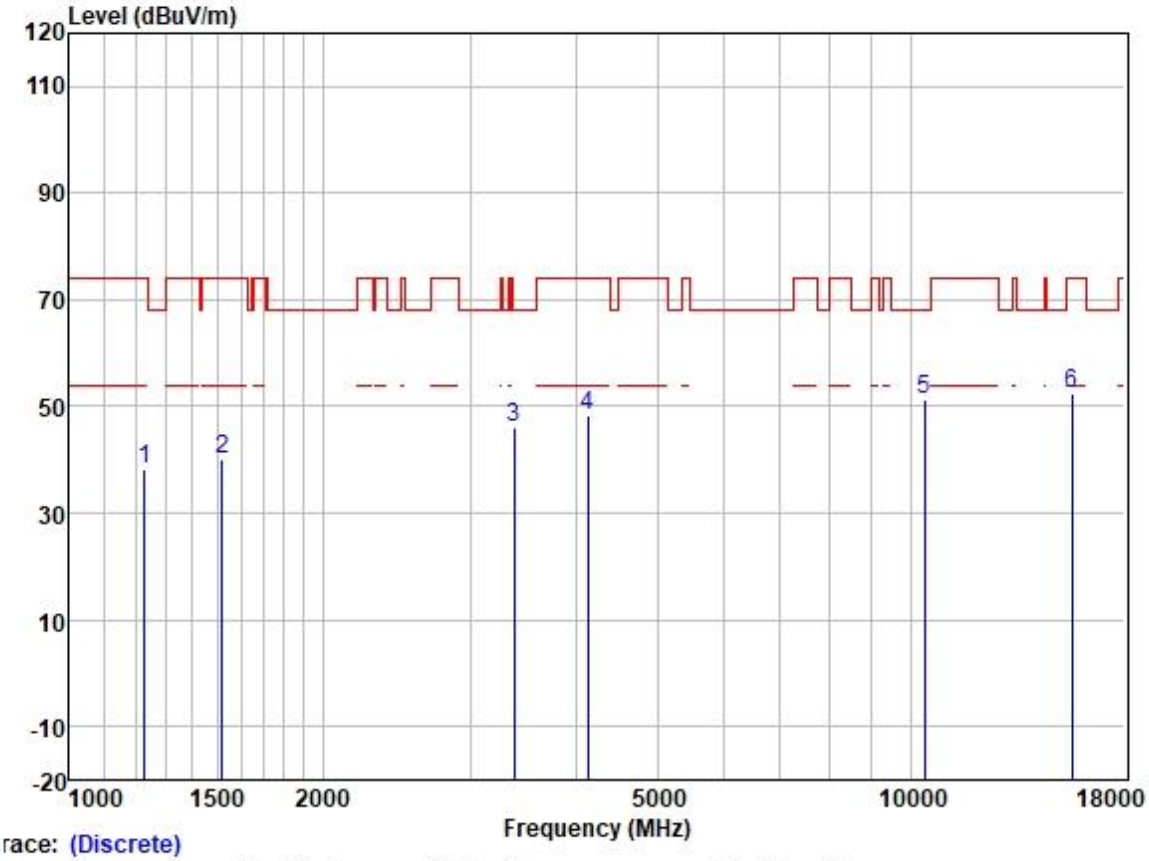
Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1249.269	49.13	25.02	2.34	38.35	38.14	68.20	-30.06	VERTICAL	Peak
2	1560.673	49.48	25.54	2.80	38.03	39.79	74.00	-34.21	VERTICAL	Peak
3	3495.691	50.39	28.90	4.30	36.94	46.65	68.20	-21.55	VERTICAL	Peak
4	4279.589	50.65	30.42	4.63	36.81	48.89	74.00	-25.11	VERTICAL	Peak
5	10480.000	42.94	39.46	7.40	37.36	52.44	68.20	-15.76	VERTICAL	Peak
6	15720.000	39.67	38.78	9.87	35.39	52.93	74.00	-21.07	VERTICAL	Peak

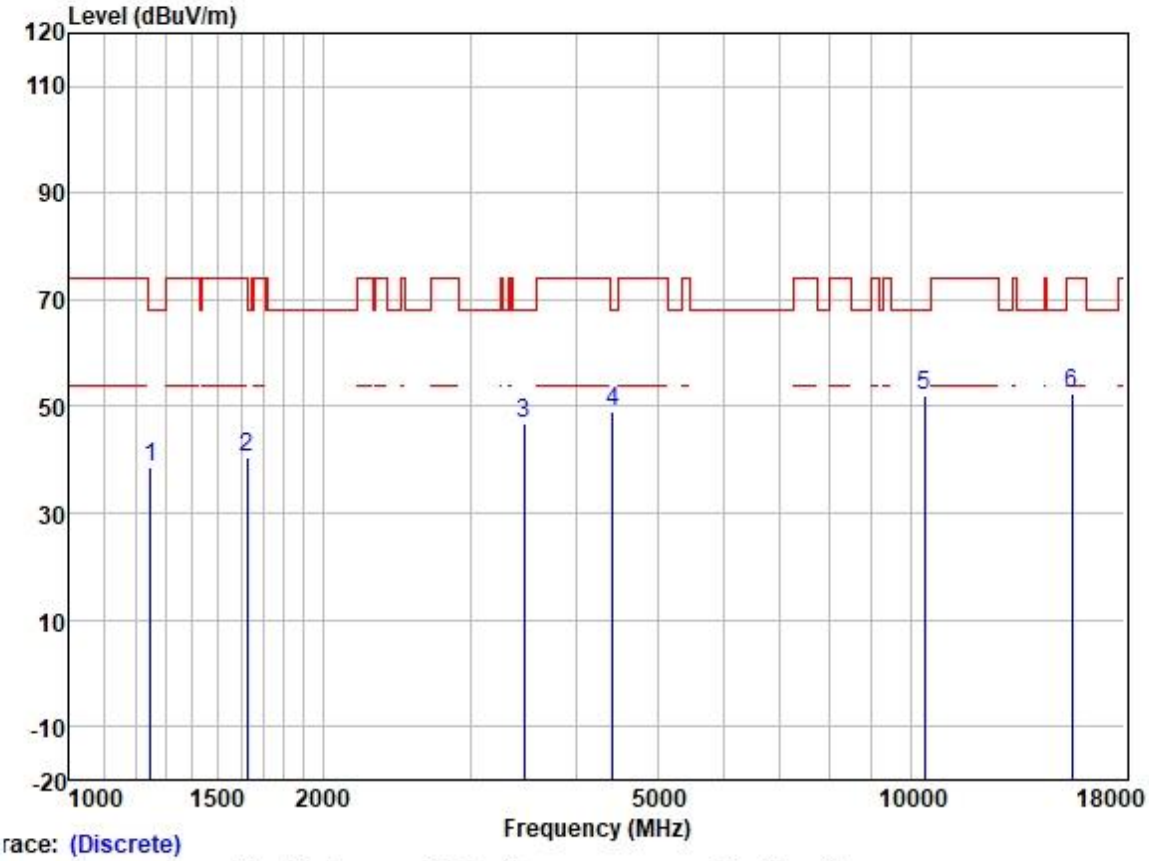
Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1227.791	49.57	24.88	2.31	38.37	38.39	74.00	-35.61	HORIZONTAL	Peak
2	1520.598	49.81	25.51	2.80	38.07	40.05	74.00	-33.95	HORIZONTAL	Peak
3	3376.523	50.23	28.83	4.09	36.99	46.16	68.20	-22.04	HORIZONTAL	Peak
4	4133.699	50.49	30.01	4.60	36.80	48.30	74.00	-25.70	HORIZONTAL	Peak
5	10380.000	41.92	39.33	7.32	37.37	51.20	68.20	-17.00	HORIZONTAL	Peak
6	15570.000	39.01	38.99	9.88	35.39	52.49	74.00	-21.51	HORIZONTAL	Peak

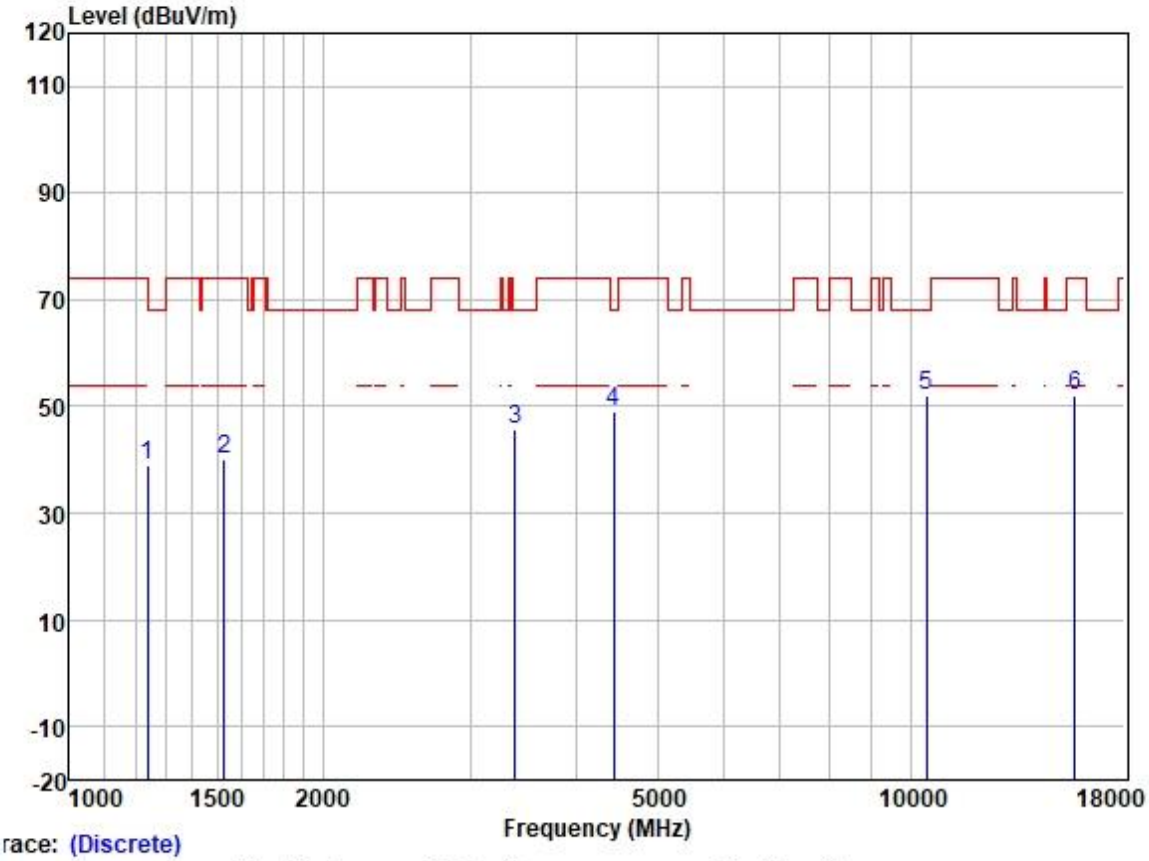
Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1249.269	49.76	25.02	2.34	38.35	38.77	68.20	-29.43	VERTICAL	Peak
2	1625.121	50.10	25.61	2.80	37.95	40.56	74.00	-33.44	VERTICAL	Peak
3	3475.541	50.68	28.89	4.25	36.95	46.87	68.20	-21.33	VERTICAL	Peak
4	4430.628	50.22	30.72	4.78	36.81	48.91	68.20	-19.29	VERTICAL	Peak
5	10380.000	42.64	39.33	7.32	37.37	51.92	68.20	-16.28	VERTICAL	Peak
6	15570.000	38.93	38.99	9.88	35.39	52.41	74.00	-21.59	VERTICAL	Peak

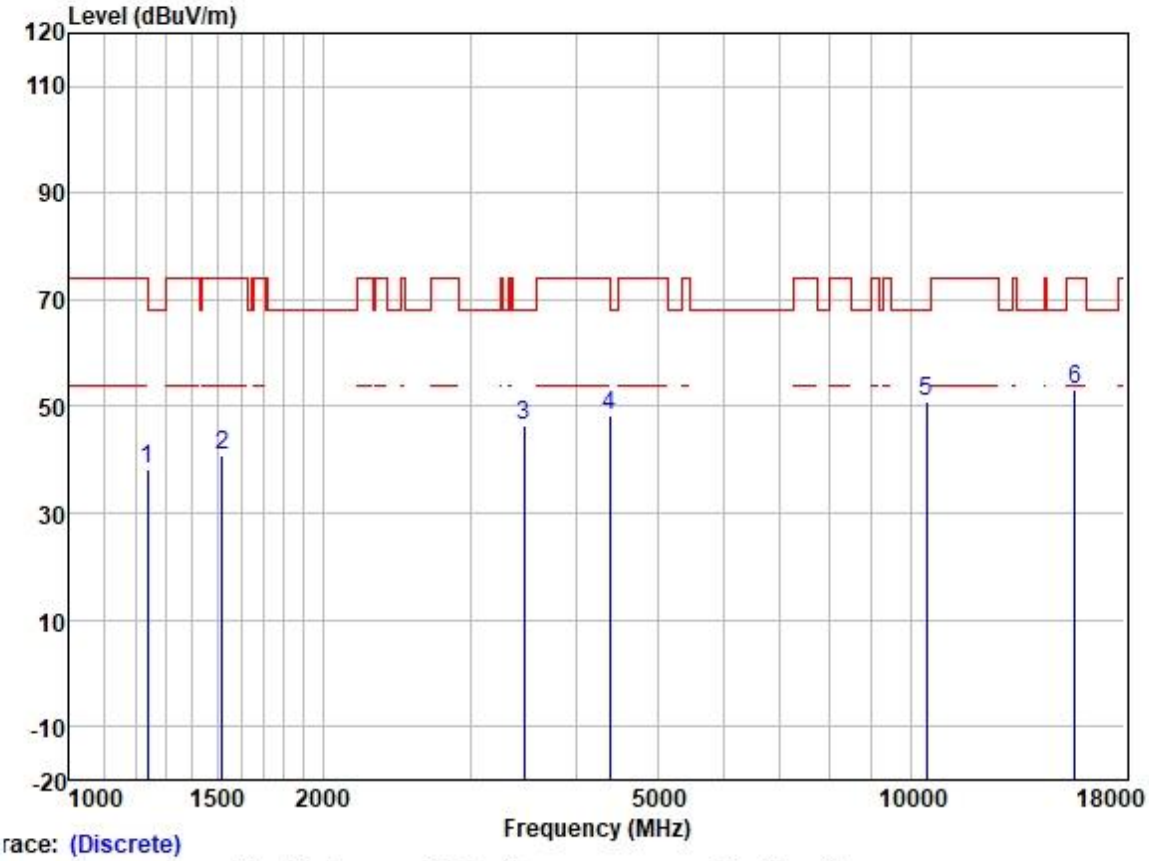
Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1238.483	49.93	24.96	2.30	38.35	38.84	74.00	-35.16	HORIZONTAL	Peak
2	1529.414	49.70	25.52	2.80	38.07	39.95	74.00	-34.05	HORIZONTAL	Peak
3	3386.297	49.86	28.83	4.10	36.99	45.80	68.20	-22.40	HORIZONTAL	Peak
4	4443.453	50.47	30.73	4.83	36.81	49.22	68.20	-18.98	HORIZONTAL	Peak
5	10460.000	42.66	39.42	7.37	37.36	52.09	68.20	-16.11	HORIZONTAL	Peak
6	15690.000	38.71	38.86	9.87	35.39	52.05	74.00	-21.95	HORIZONTAL	Peak

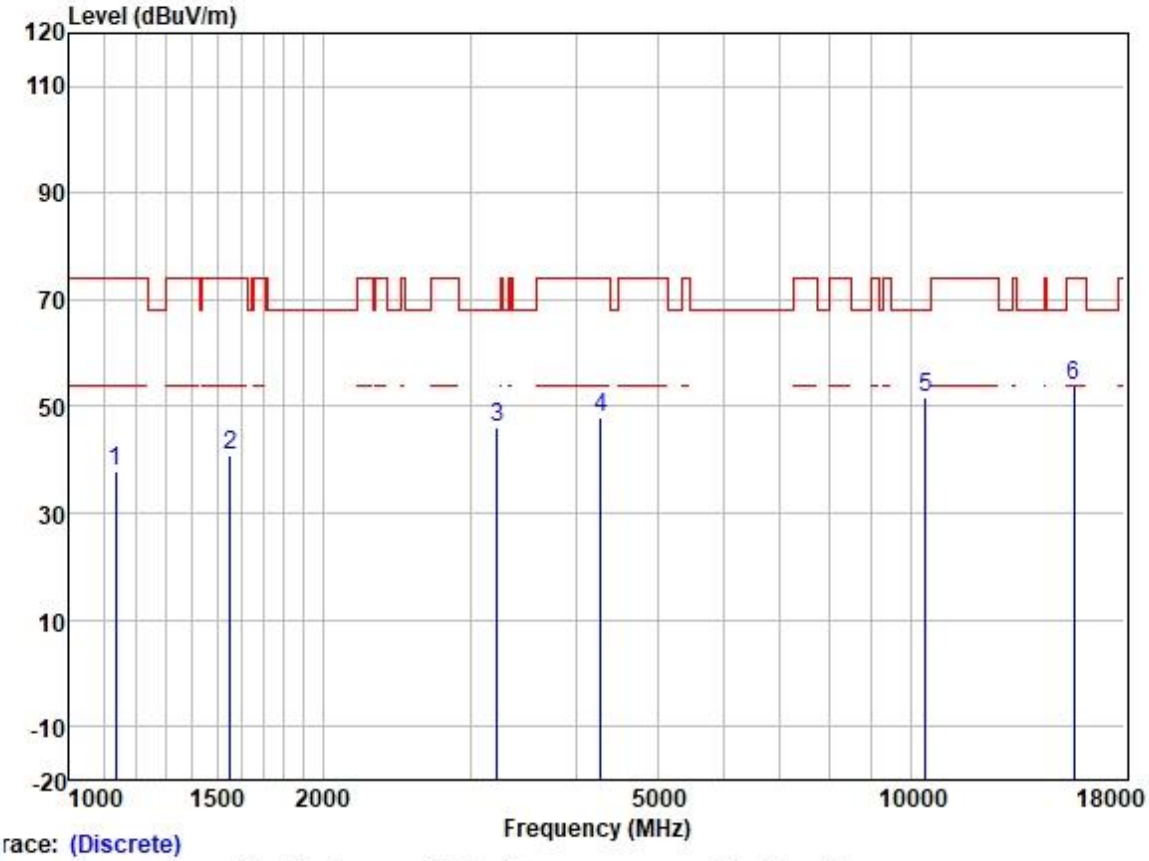
Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1238.483	49.23	24.96	2.30	38.35	38.14	74.00	-35.86	VERTICAL	Peak
2	1520.598	50.60	25.51	2.80	38.07	40.84	74.00	-33.16	VERTICAL	Peak
3	3475.541	50.33	28.89	4.25	36.95	46.52	68.20	-21.68	VERTICAL	Peak
4	4392.376	49.67	30.66	4.70	36.81	48.22	74.00	-25.78	VERTICAL	Peak
5	10460.000	41.37	39.42	7.37	37.36	50.80	68.20	-17.40	VERTICAL	Peak
6	15690.000	39.84	38.86	9.87	35.39	53.18	74.00	-20.82	VERTICAL	Peak

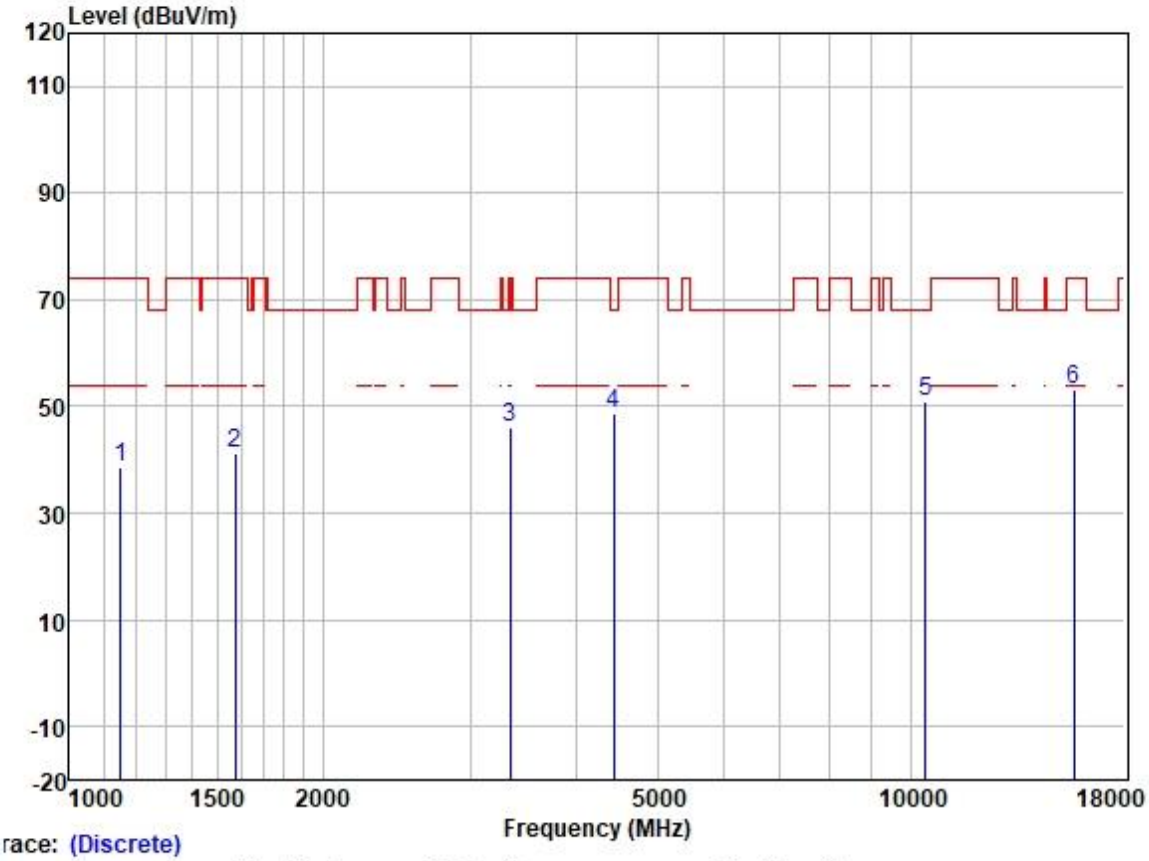
Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1135.617	49.67	24.45	2.25	38.43	37.94	74.00	-36.06	HORIZONTAL	Peak
2	1551.677	50.51	25.54	2.80	38.03	40.82	74.00	-33.18	HORIZONTAL	Peak
3	3223.928	50.47	28.63	4.01	37.07	46.04	68.20	-22.16	HORIZONTAL	Peak
4	4279.589	49.64	30.42	4.63	36.81	47.88	74.00	-26.12	HORIZONTAL	Peak
5	10420.000	42.28	39.38	7.35	37.36	51.65	68.20	-16.55	HORIZONTAL	Peak
6	15630.000	40.43	38.92	9.87	35.39	53.83	74.00	-20.17	HORIZONTAL	Peak

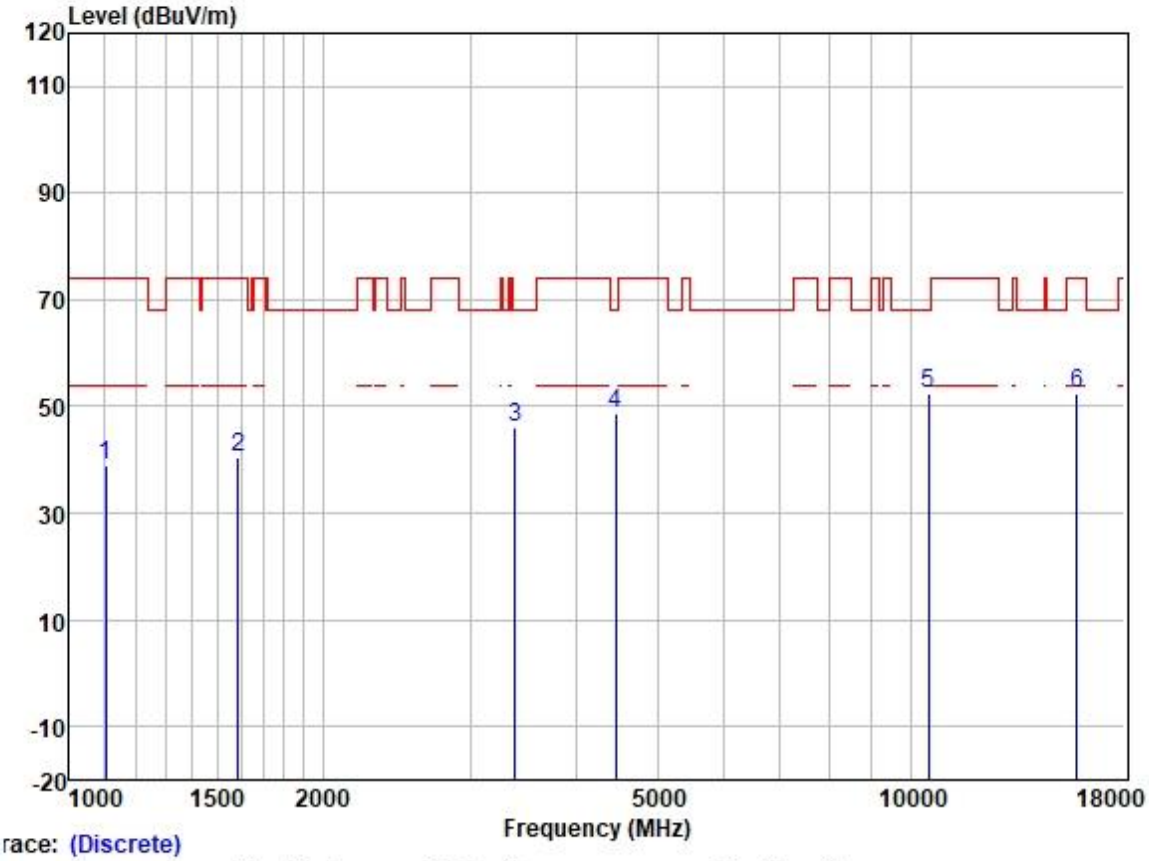
Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1152.148	50.17	24.50	2.36	38.42	38.61	74.00	-35.39	VERTICAL	Peak
2	1574.265	50.83	25.56	2.80	38.00	41.19	74.00	-32.81	VERTICAL	Peak
3	3337.710	50.17	28.79	4.08	37.01	46.03	74.00	-27.97	VERTICAL	Peak
4	4443.453	50.02	30.73	4.83	36.81	48.77	68.20	-19.43	VERTICAL	Peak
5	10420.000	41.58	39.38	7.35	37.36	50.95	68.20	-17.25	VERTICAL	Peak
6	15630.000	39.73	38.92	9.87	35.39	53.13	74.00	-20.87	VERTICAL	Peak

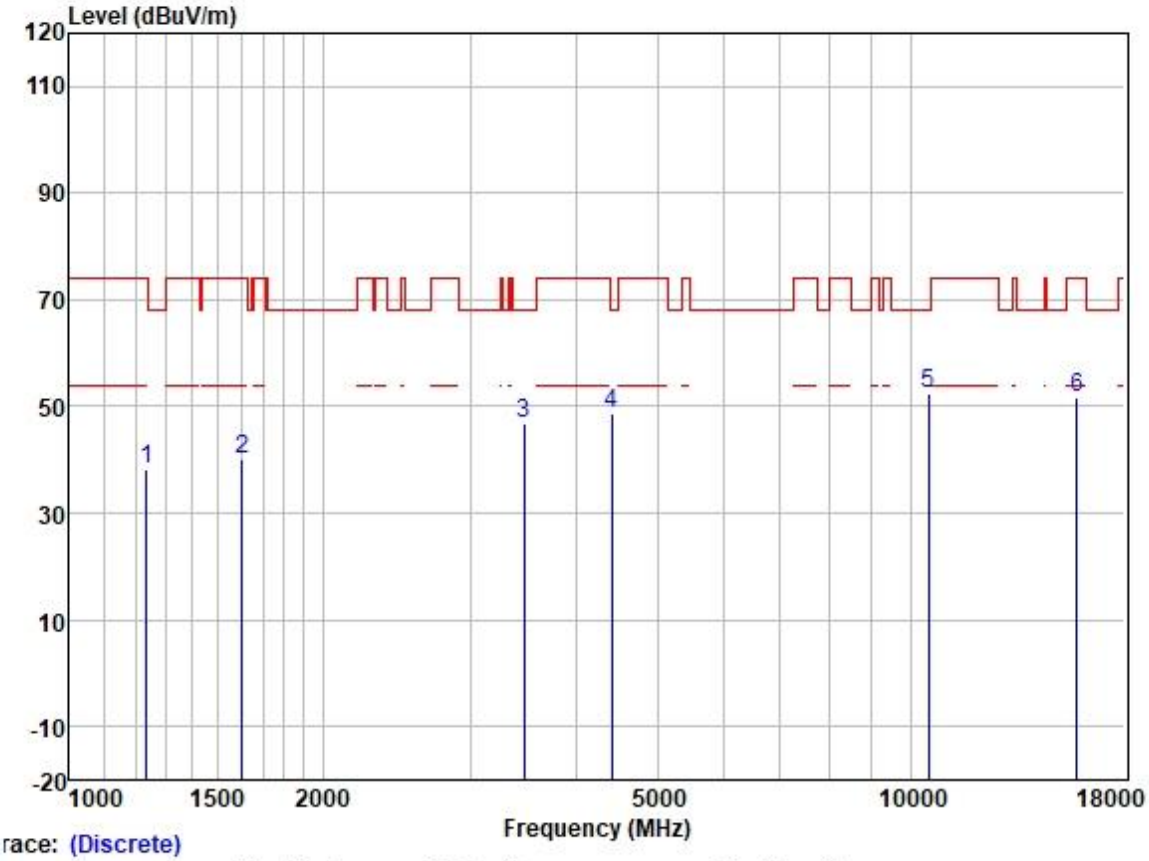
Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1103.264	50.65	24.37	2.29	38.45	38.86	74.00	-35.14	HORIZONTAL	Peak
2	1587.975	49.98	25.57	2.80	37.98	40.37	74.00	-33.63	HORIZONTAL	Peak
3	3386.297	50.31	28.83	4.10	36.99	46.25	68.20	-21.95	HORIZONTAL	Peak
4	4456.315	49.84	30.75	4.88	36.81	48.66	68.20	-19.54	HORIZONTAL	Peak
5	10520.000	42.97	39.50	7.42	37.35	52.54	68.20	-15.66	HORIZONTAL	Peak
6	15780.000	39.20	38.70	9.86	35.39	52.37	74.00	-21.63	HORIZONTAL	Peak

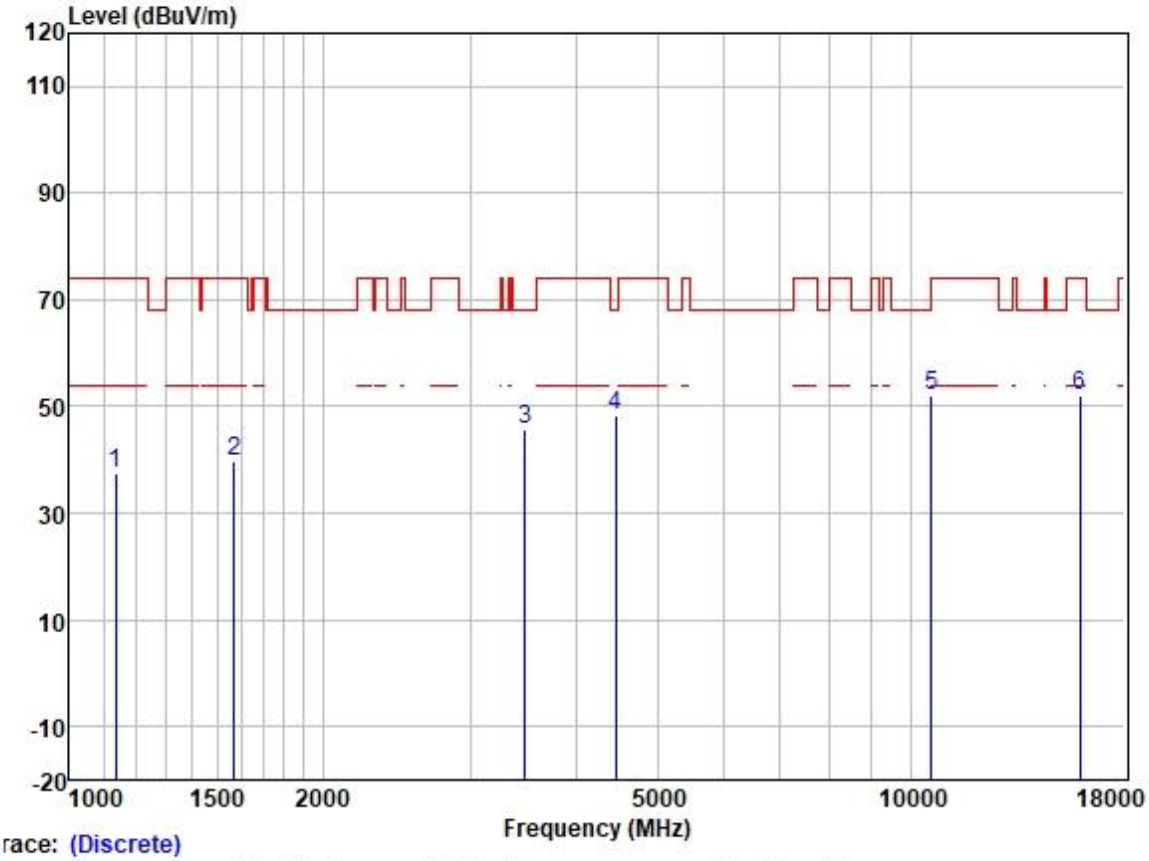
Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1234.909	49.44	24.93	2.30	38.37	38.30	74.00	-35.70	VERTICAL	Peak
2	1606.441	49.80	25.59	2.80	37.98	40.21	74.00	-33.79	VERTICAL	Peak
3	3475.541	50.50	28.89	4.25	36.95	46.69	68.20	-21.51	VERTICAL	Peak
4	4417.841	50.03	30.70	4.74	36.81	48.66	68.20	-19.54	VERTICAL	Peak
5	10520.000	43.03	39.50	7.42	37.35	52.60	68.20	-15.60	VERTICAL	Peak
6	15780.000	38.61	38.70	9.86	35.39	51.78	74.00	-22.22	VERTICAL	Peak

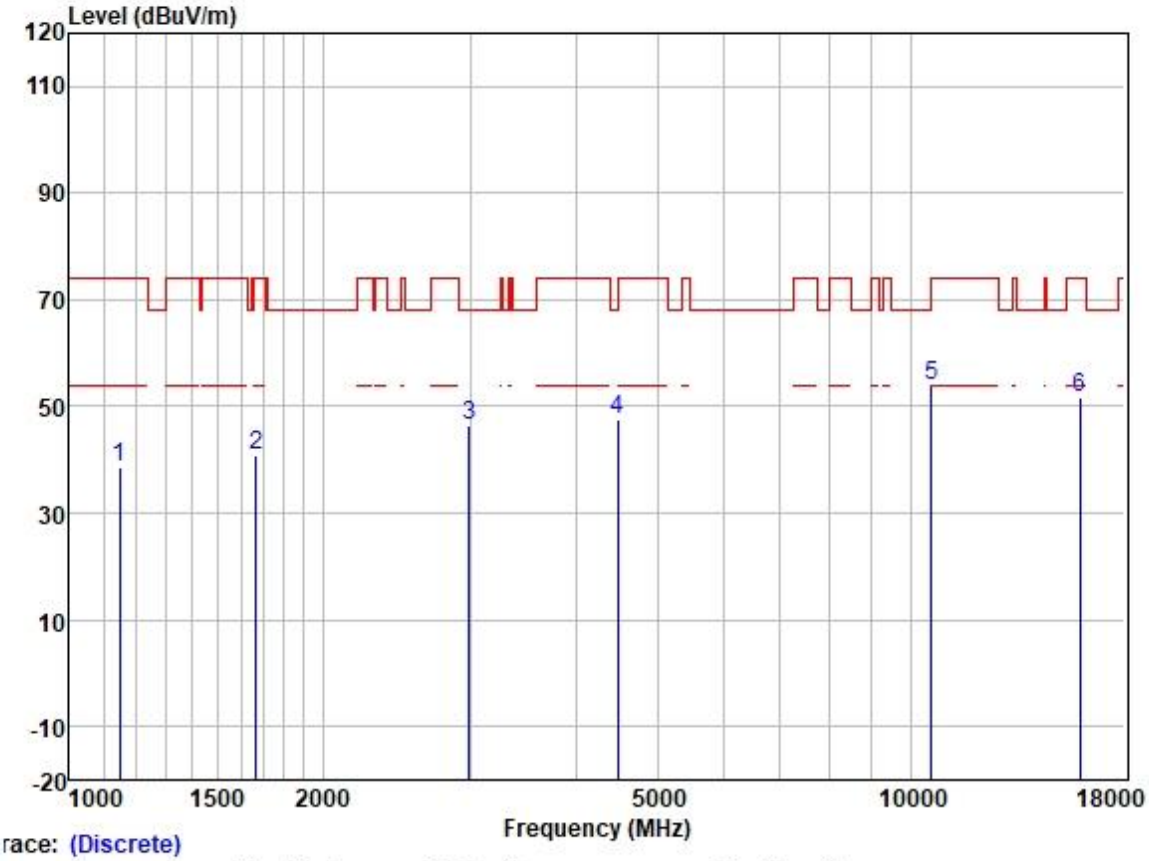
Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1135.617	49.20	24.45	2.25	38.43	37.47	74.00	-36.53	HORIZONTAL	Peak
2	1569.721	49.29	25.55	2.80	38.00	39.64	74.00	-34.36	HORIZONTAL	Peak
3	3485.601	49.46	28.89	4.27	36.95	45.67	68.20	-22.53	HORIZONTAL	Peak
4	4456.315	49.63	30.75	4.88	36.81	48.45	68.20	-19.75	HORIZONTAL	Peak
5	10600.000	42.17	39.59	7.46	37.34	51.88	68.20	-16.32	HORIZONTAL	Peak
6	15900.000	39.27	38.44	9.86	35.40	52.17	74.00	-21.83	HORIZONTAL	Peak

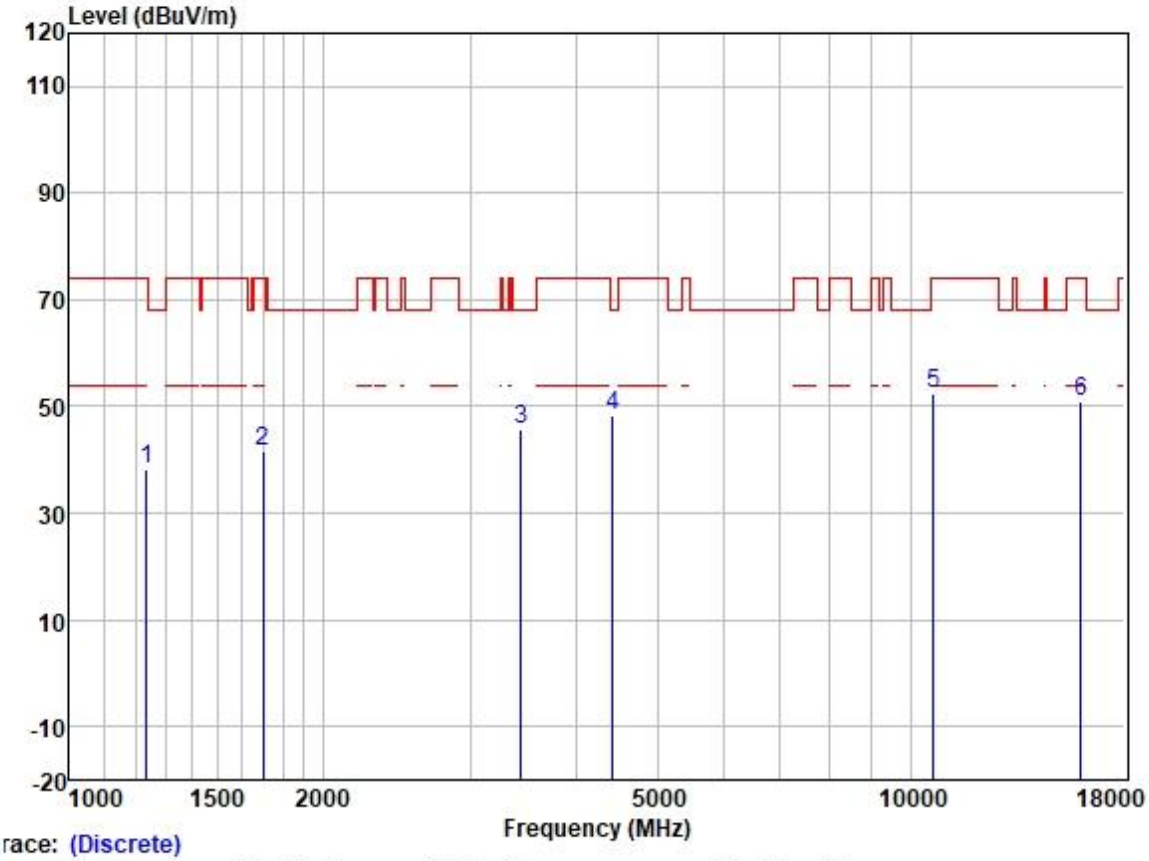
Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1148.823	50.32	24.49	2.34	38.42	38.73	74.00	-35.27	VERTICAL	Peak
2	1667.951	50.29	25.66	2.80	37.91	40.84	74.00	-33.16	VERTICAL	Peak
3	2990.531	51.52	28.39	3.79	37.25	46.45	68.20	-21.75	VERTICAL	Peak
4	4482.150	48.63	30.78	4.99	36.81	47.59	68.20	-20.61	VERTICAL	Peak
5	10600.000	44.09	39.59	7.46	37.34	53.80	68.20	-14.40	VERTICAL	Peak
6	15900.000	38.85	38.44	9.86	35.40	51.75	74.00	-22.25	VERTICAL	Peak

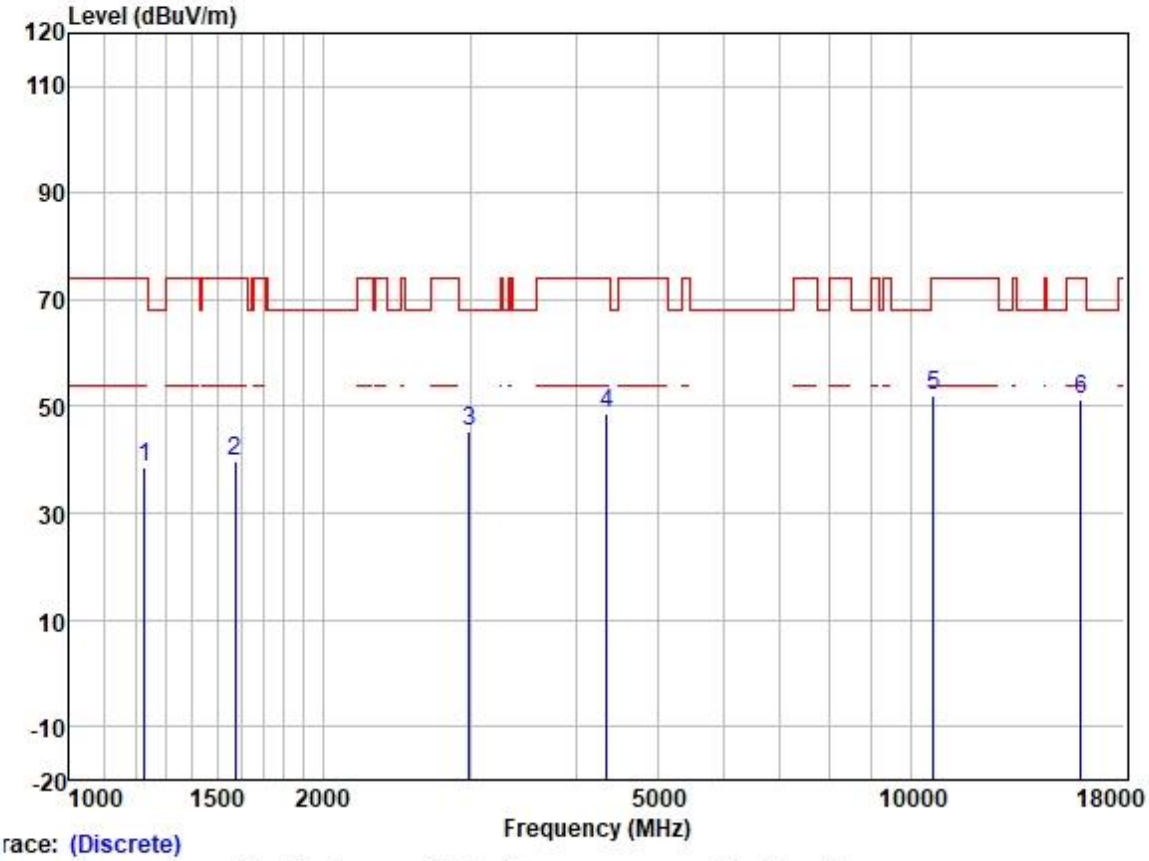
Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1234.909	49.50	24.93	2.30	38.37	38.36	74.00	-35.64	HORIZONTAL	Peak
2	1697.129	50.87	25.71	2.80	37.89	41.49	74.00	-32.51	HORIZONTAL	Peak
3	3445.535	49.51	28.87	4.18	36.96	45.60	68.20	-22.60	HORIZONTAL	Peak
4	4430.628	49.70	30.72	4.78	36.81	48.39	68.20	-19.81	HORIZONTAL	Peak
5	10640.000	42.49	39.63	7.48	37.33	52.27	74.00	-21.73	HORIZONTAL	Peak
6	15960.000	38.22	38.37	9.85	35.40	51.04	74.00	-22.96	HORIZONTAL	Peak

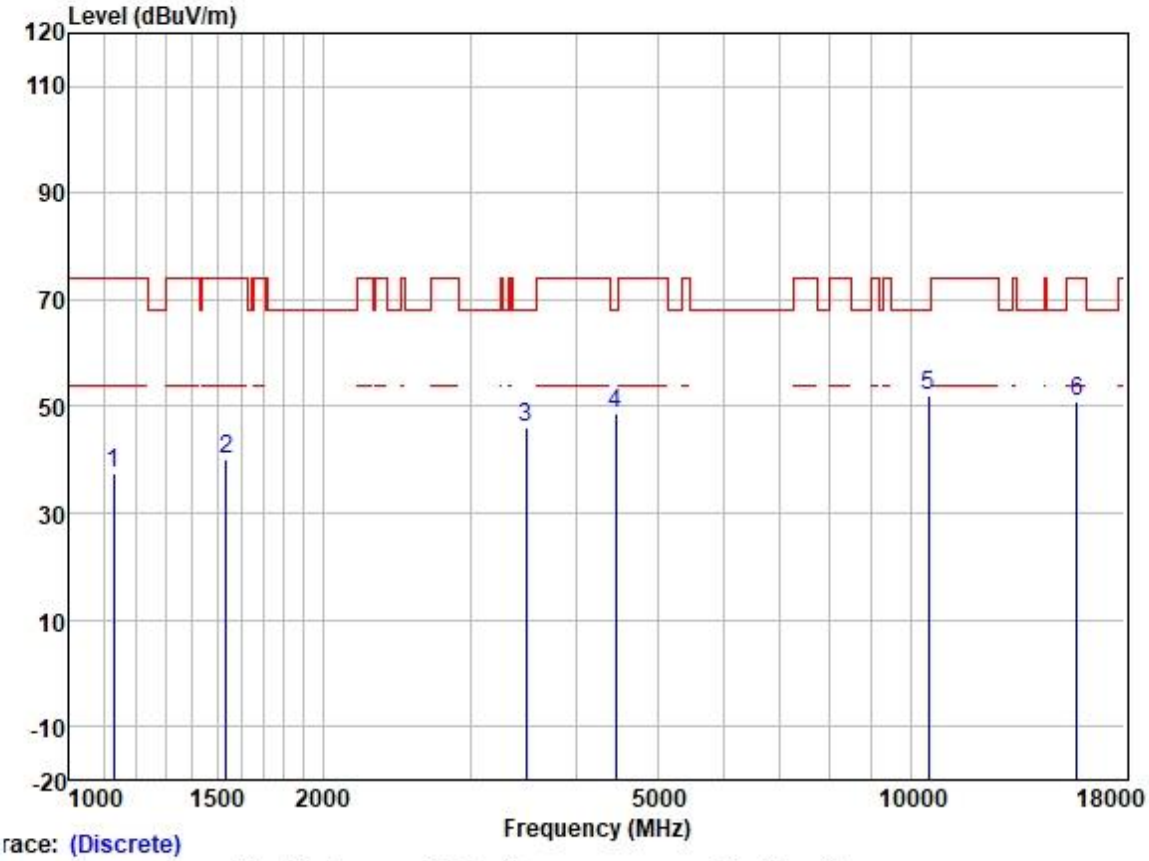
Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1227.791	49.80	24.88	2.31	38.37	38.62	74.00	-35.38	VERTICAL	Peak
2	1574.265	49.46	25.56	2.80	38.00	39.82	74.00	-34.18	VERTICAL	Peak
3	2990.531	50.58	28.39	3.79	37.25	45.51	68.20	-22.69	VERTICAL	Peak
4	4354.454	50.26	30.59	4.68	36.81	48.72	74.00	-25.28	VERTICAL	Peak
5	10640.000	42.44	39.63	7.48	37.33	52.22	74.00	-21.78	VERTICAL	Peak
6	15960.000	38.48	38.37	9.85	35.40	51.30	74.00	-22.70	VERTICAL	Peak

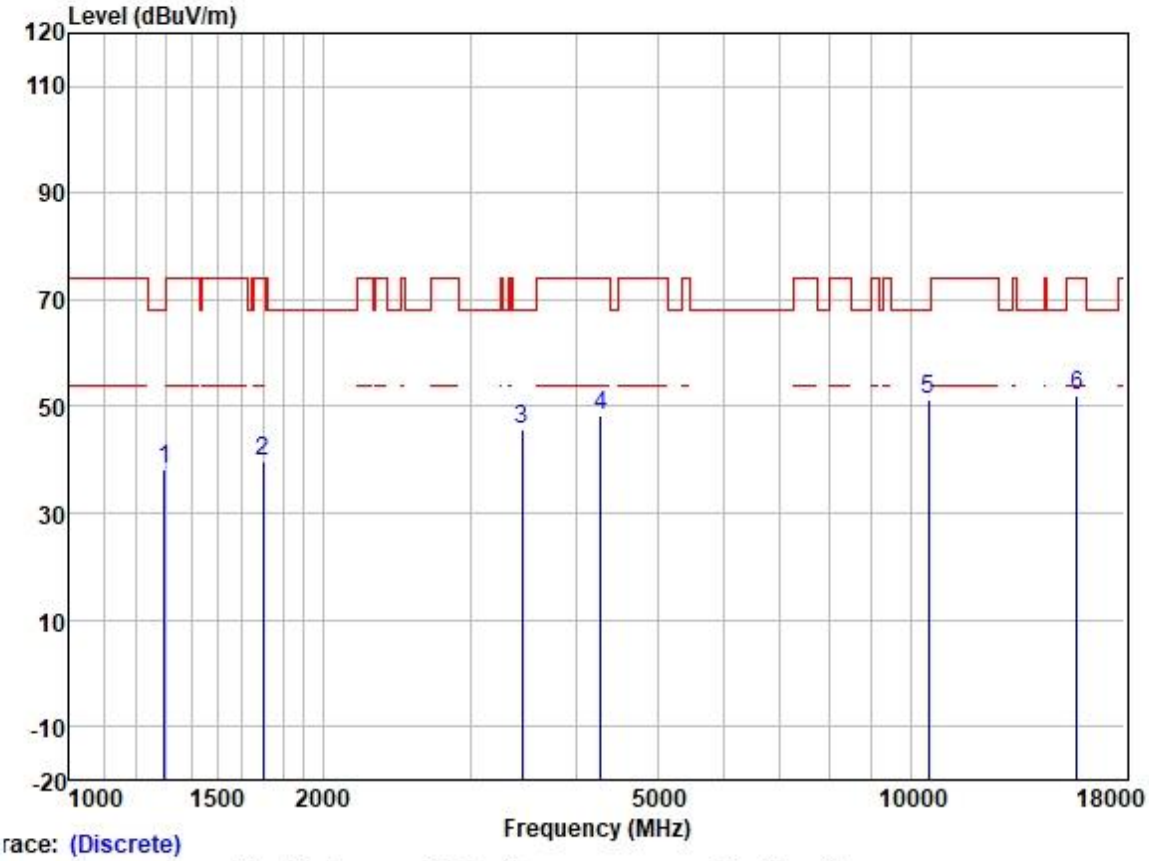
Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1129.072	49.25	24.43	2.20	38.43	37.45	74.00	-36.55	HORIZONTAL	Peak
2	1538.281	49.84	25.53	2.80	38.03	40.14	74.00	-33.86	HORIZONTAL	Peak
3	3495.691	49.82	28.90	4.30	36.94	46.08	68.20	-22.12	HORIZONTAL	Peak
4	4456.315	49.76	30.75	4.88	36.81	48.58	68.20	-19.62	HORIZONTAL	Peak
5	10520.000	42.45	39.50	7.42	37.35	52.02	68.20	-16.18	HORIZONTAL	Peak
6	15780.000	37.92	38.70	9.86	35.39	51.09	74.00	-22.91	HORIZONTAL	Peak

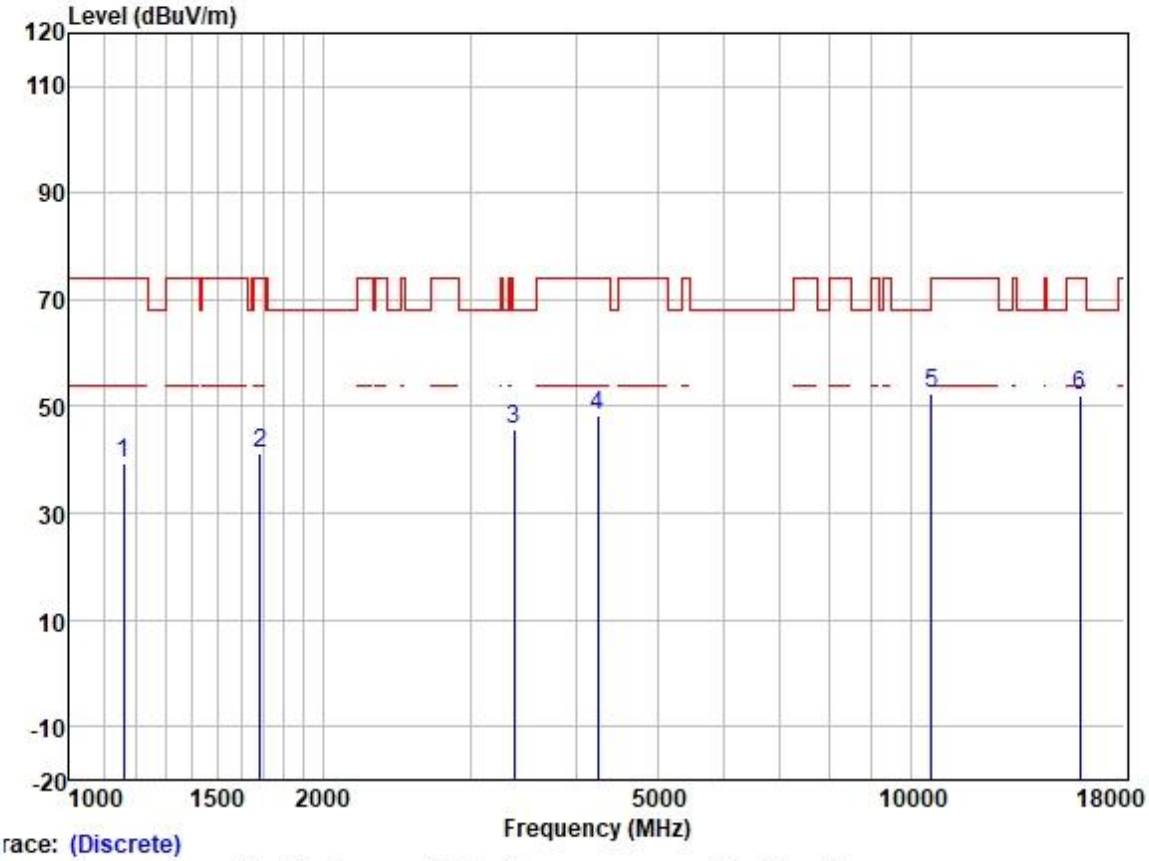
Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1297.103	48.79	25.19	2.58	38.31	38.25	68.20	-29.95	VERTICAL	Peak
2	1697.129	49.27	25.71	2.80	37.89	39.89	74.00	-34.11	VERTICAL	Peak
3	3455.508	49.47	28.88	4.20	36.96	45.59	68.20	-22.61	VERTICAL	Peak
4	4279.589	50.16	30.42	4.63	36.81	48.40	74.00	-25.60	VERTICAL	Peak
5	10520.000	41.84	39.50	7.42	37.35	51.41	68.20	-16.79	VERTICAL	Peak
6	15780.000	39.00	38.70	9.86	35.39	52.17	74.00	-21.83	VERTICAL	Peak

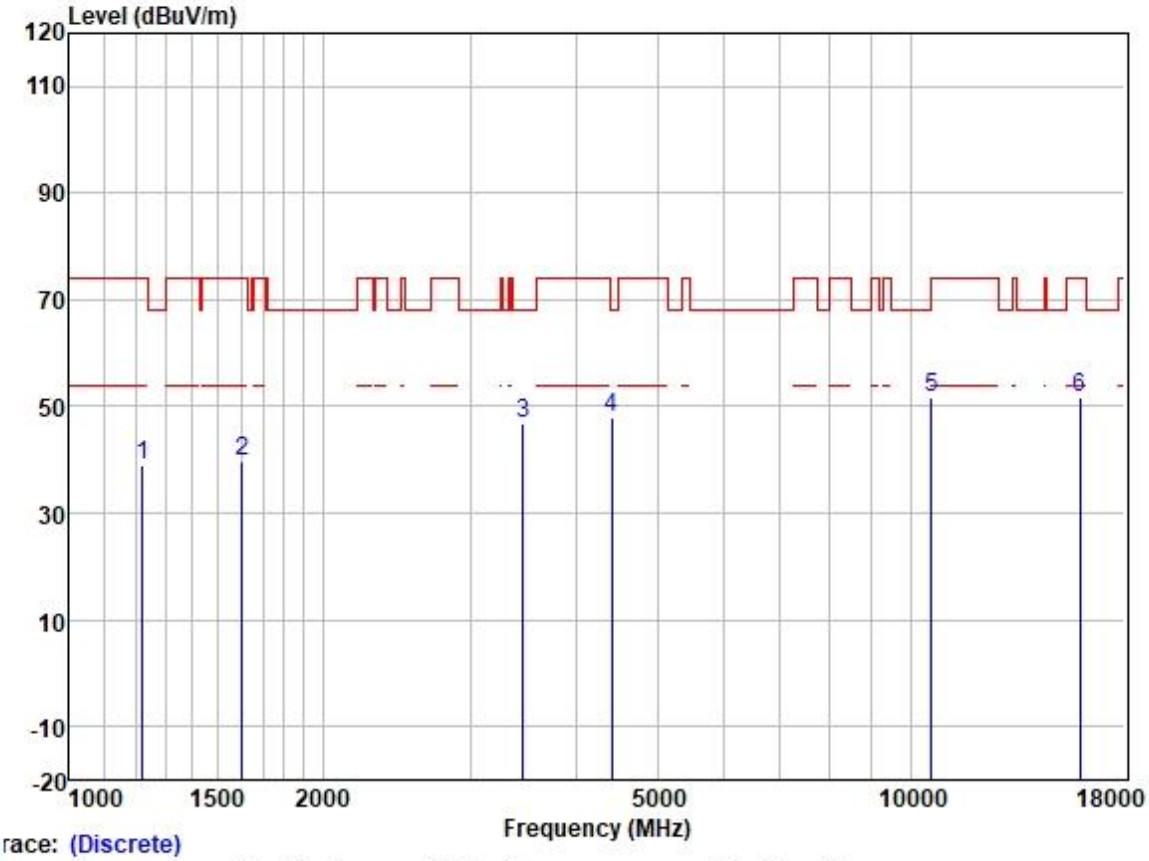
Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



race: (Discrete)

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1158.828	50.73	24.52	2.40	38.42	39.23	74.00	-34.77	HORIZONTAL	Peak
2	1687.347	50.67	25.69	2.80	37.91	41.25	74.00	-32.75	HORIZONTAL	Peak
3	3376.523	49.94	28.83	4.09	36.99	45.87	68.20	-22.33	HORIZONTAL	Peak
4	4242.641	50.19	30.30	4.62	36.81	48.30	74.00	-25.70	HORIZONTAL	Peak
5	10600.000	42.76	39.59	7.46	37.34	52.47	68.20	-15.73	HORIZONTAL	Peak
6	15900.000	39.24	38.44	9.86	35.40	52.14	74.00	-21.86	HORIZONTAL	Peak

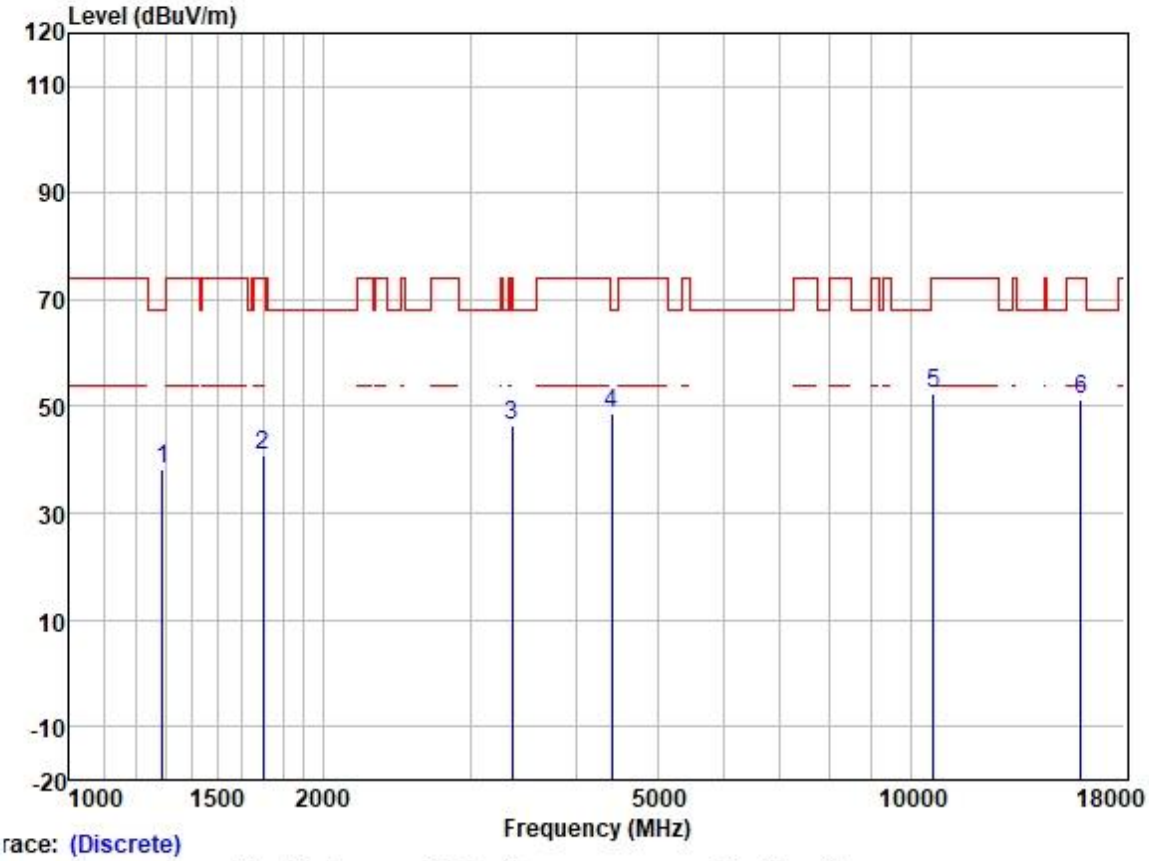
Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1220.714	50.12	24.82	2.32	38.37	38.89	74.00	-35.11	VERTICAL	Peak
2	1606.441	49.34	25.59	2.80	37.98	39.75	74.00	-34.25	VERTICAL	Peak
3	3465.510	50.58	28.88	4.22	36.95	46.73	68.20	-21.47	VERTICAL	Peak
4	4417.841	49.31	30.70	4.74	36.81	47.94	68.20	-20.26	VERTICAL	Peak
5	10600.000	41.97	39.59	7.46	37.34	51.68	68.20	-16.52	VERTICAL	Peak
6	15900.000	38.80	38.44	9.86	35.40	51.70	74.00	-22.30	VERTICAL	Peak

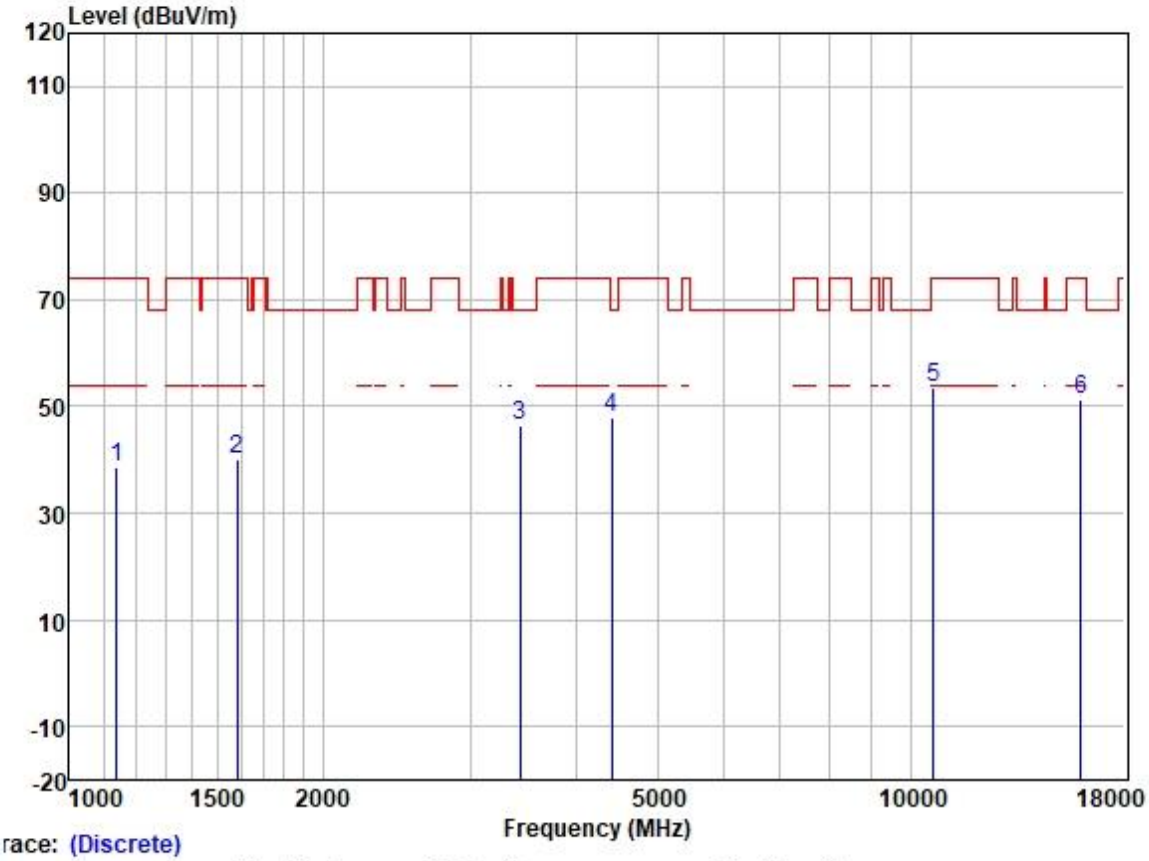
Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1289.627	48.79	25.17	2.55	38.31	38.20	68.20	-30.00	HORIZONTAL	Peak
2	1697.129	50.15	25.71	2.80	37.89	40.77	74.00	-33.23	HORIZONTAL	Peak
3	3357.061	50.49	28.81	4.09	37.01	46.38	74.00	-27.62	HORIZONTAL	Peak
4	4417.841	49.88	30.70	4.74	36.81	48.51	68.20	-19.69	HORIZONTAL	Peak
5	10640.000	42.58	39.63	7.48	37.33	52.36	74.00	-21.64	HORIZONTAL	Peak
6	15960.000	38.60	38.37	9.85	35.40	51.42	74.00	-22.58	HORIZONTAL	Peak

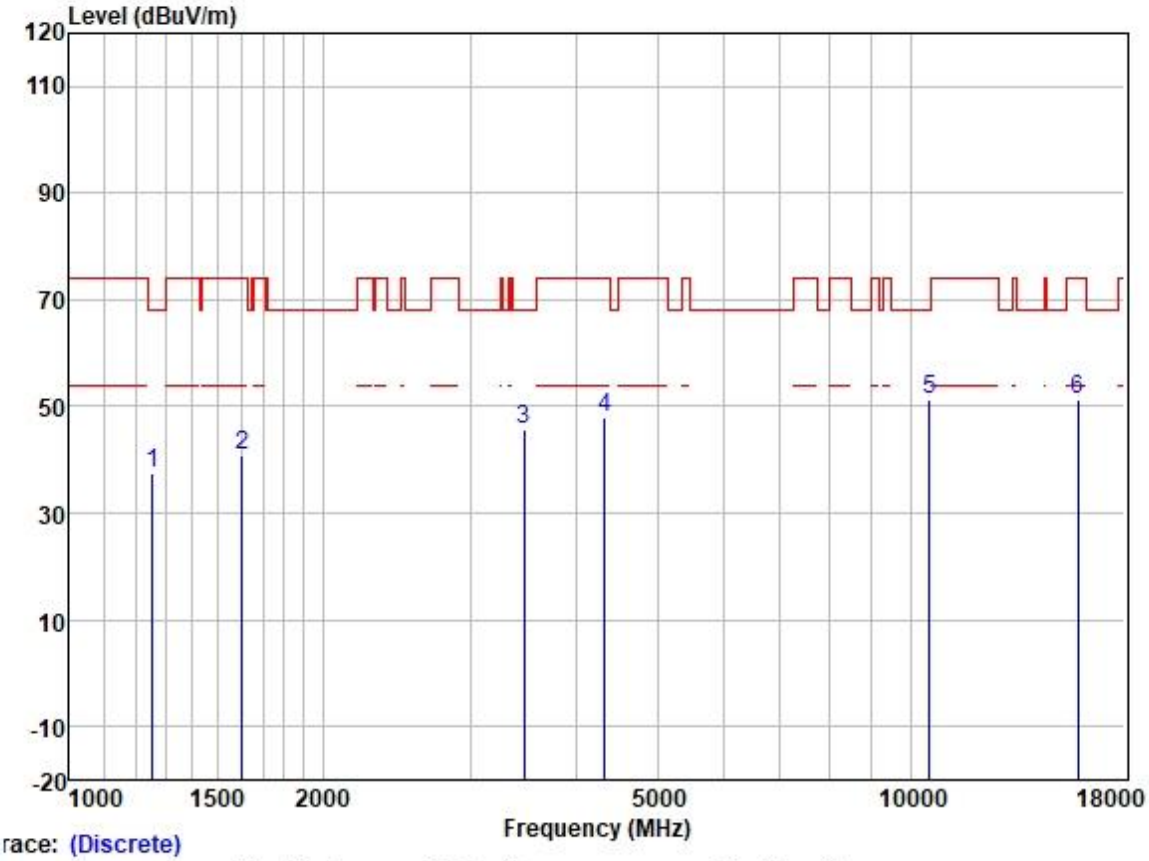
Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1138.904	50.20	24.46	2.27	38.42	38.51	74.00	-35.49	VERTICAL	Peak
2	1583.392	49.88	25.56	2.80	38.00	40.24	74.00	-33.76	VERTICAL	Peak
3	3435.590	50.45	28.87	4.16	36.97	46.51	68.20	-21.69	VERTICAL	Peak
4	4417.841	49.40	30.70	4.74	36.81	48.03	68.20	-20.17	VERTICAL	Peak
5	10640.000	43.92	39.63	7.48	37.33	53.70	74.00	-20.30	VERTICAL	Peak
6	15960.000	38.50	38.37	9.85	35.40	51.32	74.00	-22.68	VERTICAL	Peak

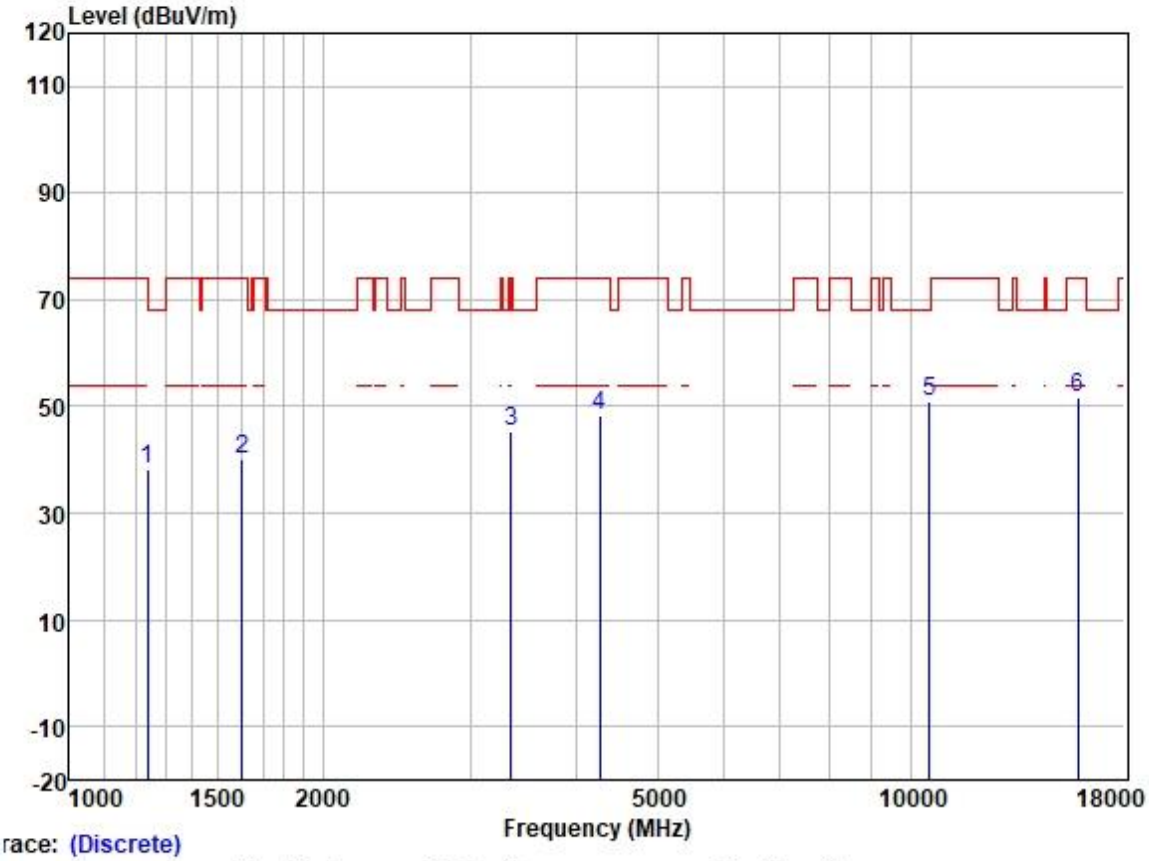
Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1256.512	48.58	25.05	2.38	38.35	37.66	68.20	-30.54	HORIZONTAL	Peak
2	1606.441	50.61	25.59	2.80	37.98	41.02	74.00	-32.98	HORIZONTAL	Peak
3	3475.541	49.35	28.89	4.25	36.95	45.54	68.20	-22.66	HORIZONTAL	Peak
4	4329.354	49.54	30.54	4.67	36.81	47.94	74.00	-26.06	HORIZONTAL	Peak
5	10540.000	41.68	39.53	7.43	37.35	51.29	68.20	-16.91	HORIZONTAL	Peak
6	15810.000	38.11	38.61	9.86	35.39	51.19	74.00	-22.81	HORIZONTAL	Peak

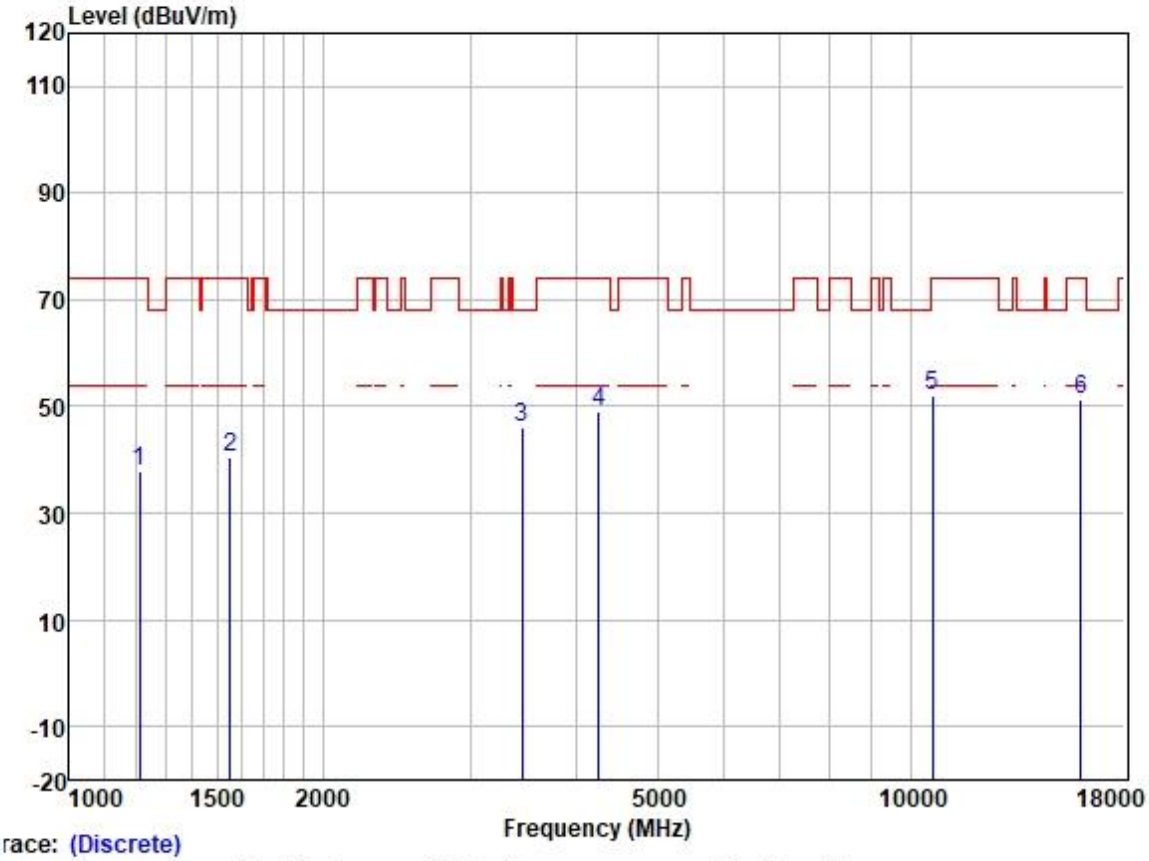
Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



race: (Discrete)

	Freq	ReadLevel	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1238.483	49.47	24.96	2.30	38.35	38.38	74.00	-35.62	VERTICAL	Peak
2	1606.441	49.81	25.59	2.80	37.98	40.22	74.00	-33.78	VERTICAL	Peak
3	3347.371	49.57	28.80	4.08	37.01	45.44	74.00	-28.56	VERTICAL	Peak
4	4267.237	50.16	30.38	4.63	36.81	48.36	74.00	-25.64	VERTICAL	Peak
5	10540.000	41.45	39.53	7.43	37.35	51.06	68.20	-17.14	VERTICAL	Peak
6	15810.000	38.57	38.61	9.86	35.39	51.65	74.00	-22.35	VERTICAL	Peak

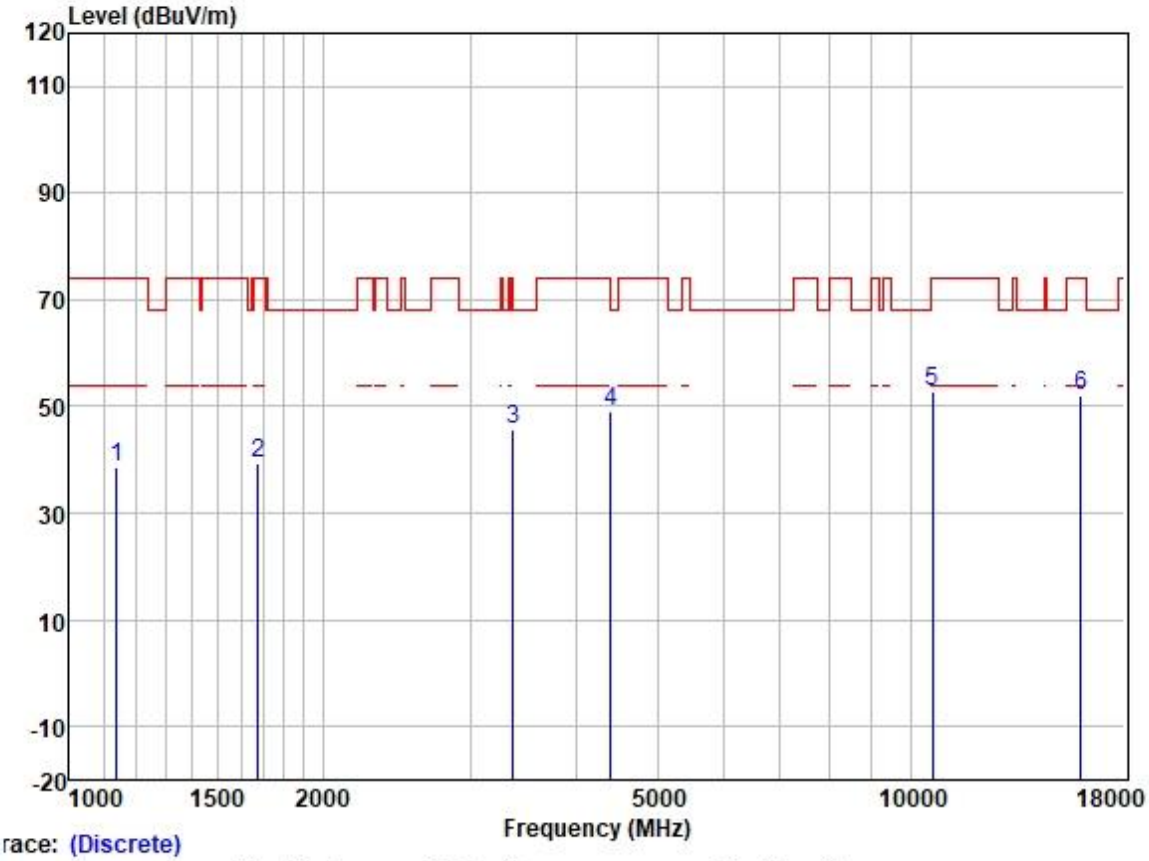
Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1210.174	49.34	24.74	2.33	38.39	38.02	74.00	-35.98	HORIZONTAL	Peak
2	1551.677	50.35	25.54	2.80	38.03	40.66	74.00	-33.34	HORIZONTAL	Peak
3	3455.508	49.89	28.88	4.20	36.96	46.01	68.20	-22.19	HORIZONTAL	Peak
4	4254.921	50.92	30.34	4.62	36.81	49.07	74.00	-24.93	HORIZONTAL	Peak
5	10620.000	42.36	39.59	7.46	37.34	52.07	74.00	-21.93	HORIZONTAL	Peak
6	15930.000	38.36	38.37	9.85	35.40	51.18	74.00	-22.82	HORIZONTAL	Peak

Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



race: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1138.904	50.17	24.46	2.27	38.42	38.48	74.00	-35.52	VERTICAL	Peak
2	1677.621	48.63	25.68	2.80	37.91	39.20	74.00	-34.80	VERTICAL	Peak
3	3366.778	49.76	28.82	4.09	36.99	45.68	68.20	-22.52	VERTICAL	Peak
4	4405.090	50.49	30.68	4.70	36.81	49.06	68.20	-19.14	VERTICAL	Peak
5	10620.000	43.09	39.59	7.46	37.34	52.80	74.00	-21.20	VERTICAL	Peak
6	15930.000	39.23	38.37	9.85	35.40	52.05	74.00	-21.95	VERTICAL	Peak