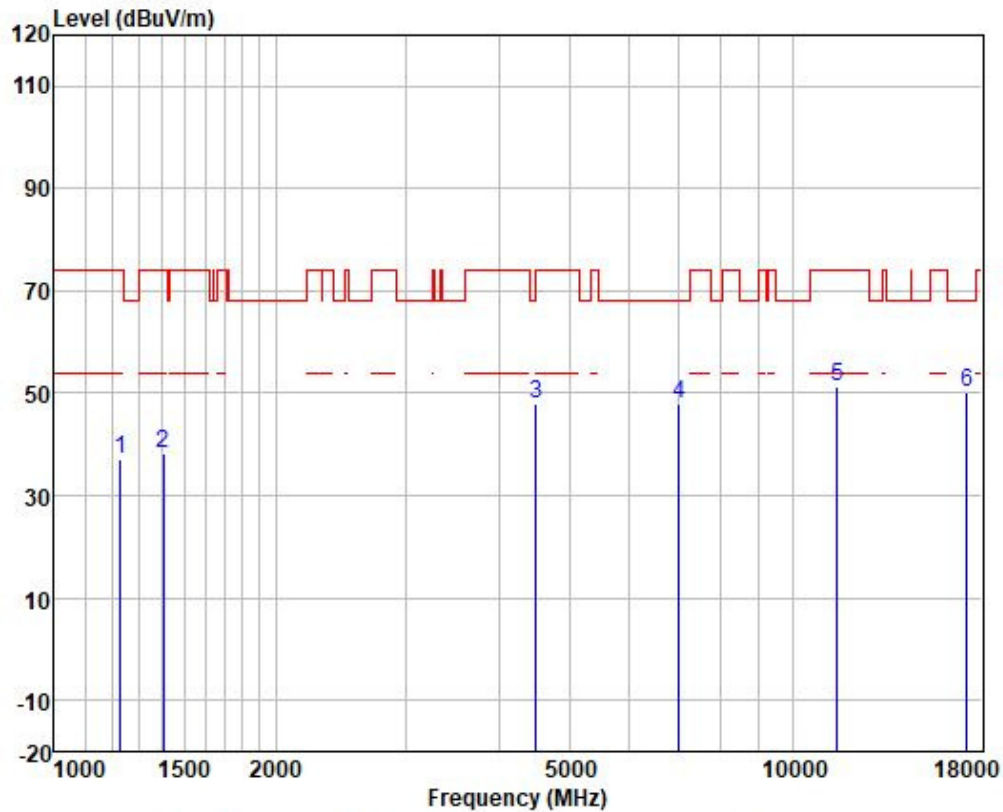


Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



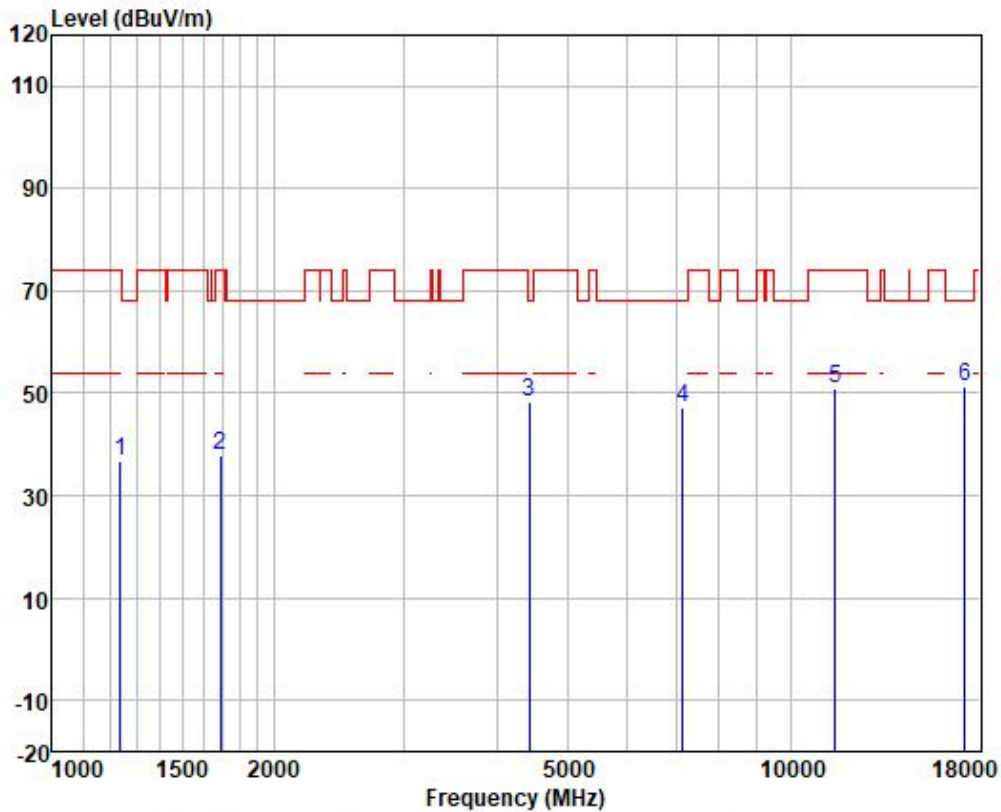
	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1231.345	48.64	23.51	2.57	37.64	37.08	74.00	-36.92	VERTICAL	peak
2	1406.443	48.51	24.27	2.83	37.56	38.05	74.00	-35.95	VERTICAL	peak
3	4495.125	44.67	34.17	5.81	36.63	48.02	68.20	-20.18	VERTICAL	peak
4	7015.420	42.27	35.15	7.51	36.90	48.03	68.20	-20.17	VERTICAL	peak
5	11490.000	38.82	40.25	8.78	36.63	51.22	74.00	-22.78	VERTICAL	peak
6	17235.000	32.46	42.50	11.28	36.07	50.17	68.20	-18.03	VERTICAL	peak



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



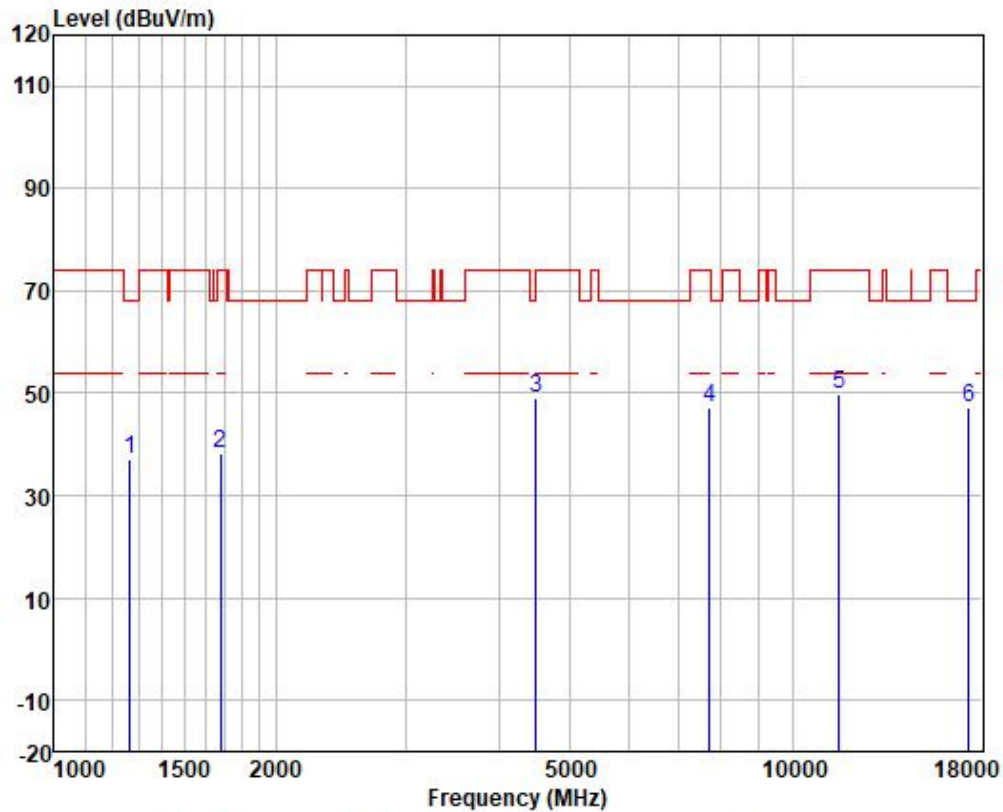
	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1238.483	48.12	23.59	2.58	37.64	36.65	74.00	-37.35	HORIZONTAL	peak
1692.231	47.14	25.09	3.17	37.40	38.00	74.00	-36.00	HORIZONTAL	peak
4430.628	45.43	33.87	5.79	36.63	48.46	68.20	-19.74	HORIZONTAL	peak
7158.806	41.25	35.49	7.53	36.93	47.34	68.20	-20.86	HORIZONTAL	peak
11490.000	38.40	40.25	8.78	36.63	50.80	74.00	-23.20	HORIZONTAL	peak
17235.000	33.43	42.50	11.28	36.07	51.14	68.20	-17.06	HORIZONTAL	peak



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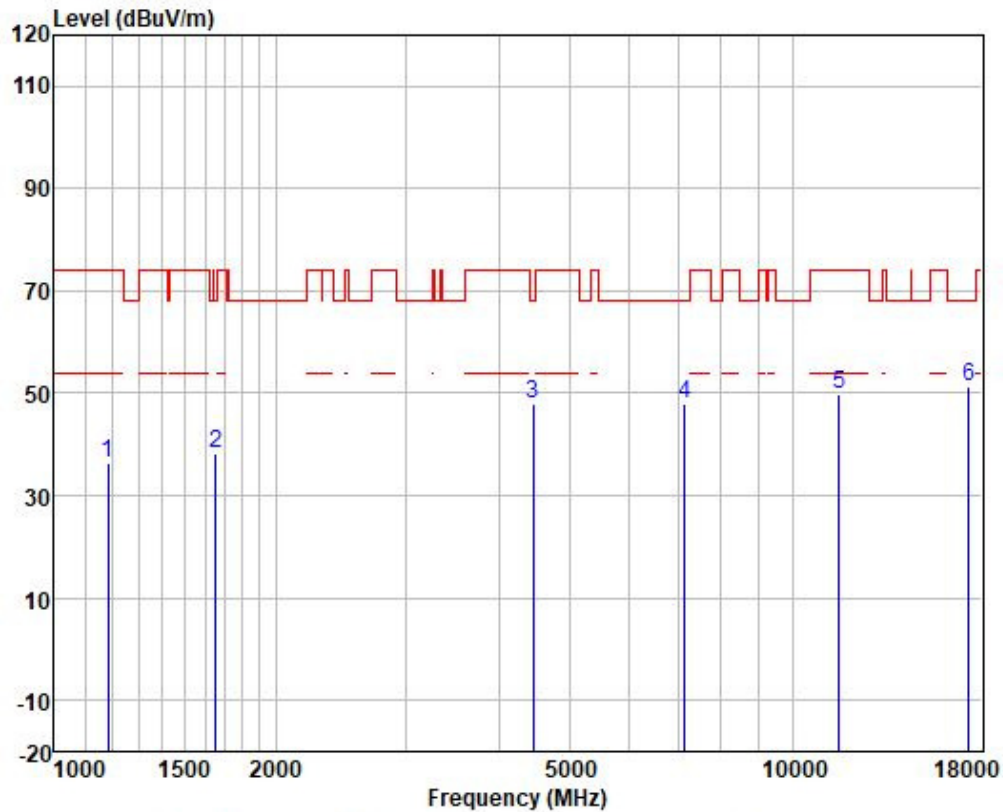
Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark	
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1267.454	48.30	23.81	2.60	37.63	37.08	68.20	-31.12	VERTICAL	peak
2	1682.477	47.58	25.03	3.17	37.40	38.38	74.00	-35.62	VERTICAL	peak
3	4495.125	45.63	34.17	5.81	36.63	48.98	68.20	-19.22	VERTICAL	peak
4	7717.518	39.93	36.75	7.64	36.98	47.34	74.00	-26.66	VERTICAL	peak
5	11570.000	37.38	40.09	8.82	36.62	49.67	74.00	-24.33	VERTICAL	peak
6	17355.000	29.17	42.92	11.30	36.01	47.38	68.20	-20.82	VERTICAL	peak



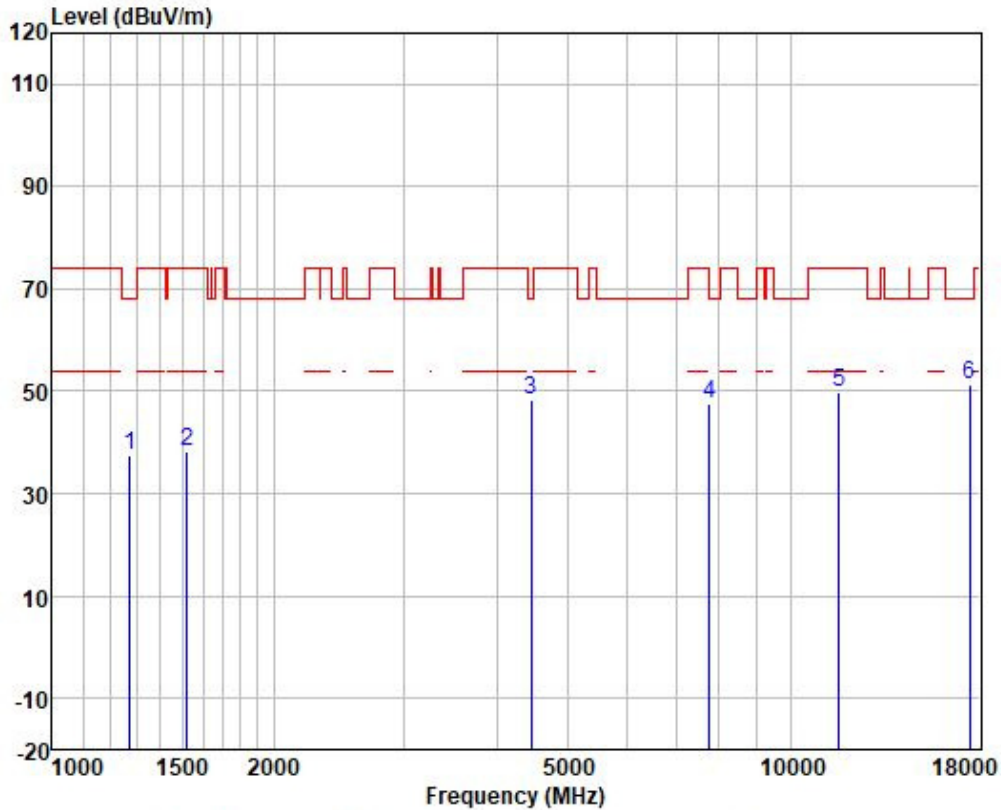
Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1182.513	48.60	23.04	2.54	37.65	36.53	74.00	-37.47	HORIZONTAL peak
2	1653.550	47.78	24.89	3.16	37.41	38.42	68.20	-29.78	HORIZONTAL peak
3	4456.315	44.84	34.00	5.80	36.63	48.01	68.20	-20.19	HORIZONTAL peak
4	7158.806	41.71	35.49	7.53	36.93	47.80	68.20	-20.40	HORIZONTAL peak
5	11570.000	37.63	40.09	8.82	36.62	49.92	74.00	-24.08	HORIZONTAL peak
6	17355.000	33.14	42.92	11.30	36.01	51.35	68.20	-16.85	HORIZONTAL peak



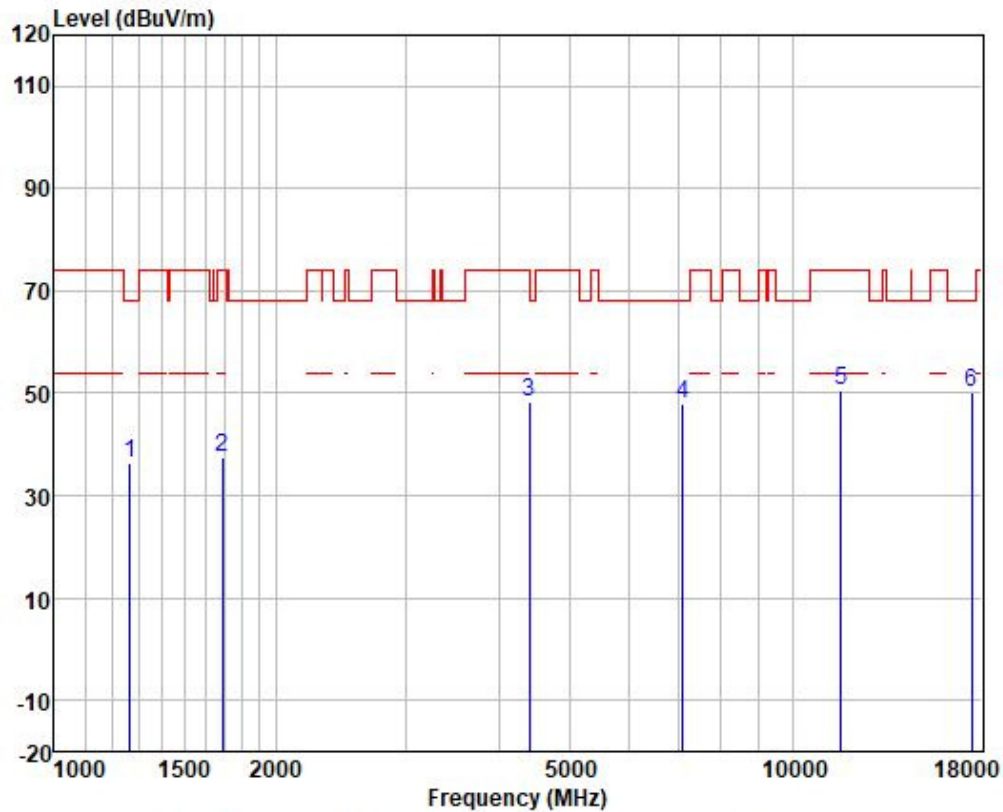
Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark	
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1274.802	48.70	23.85	2.61	37.62	37.54	68.20	-30.66	VERTICAL	peak
2	1525.000	48.00	24.49	3.06	37.48	38.07	74.00	-35.93	VERTICAL	peak
3	4456.315	45.10	34.00	5.80	36.63	48.27	68.20	-19.93	VERTICAL	peak
4	7762.260	40.25	36.84	7.65	36.99	47.75	68.20	-20.45	VERTICAL	peak
5	11650.000	37.71	39.91	8.85	36.62	49.85	74.00	-24.15	VERTICAL	peak
6	17475.000	32.46	43.43	11.35	35.96	51.28	68.20	-16.92	VERTICAL	peak



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



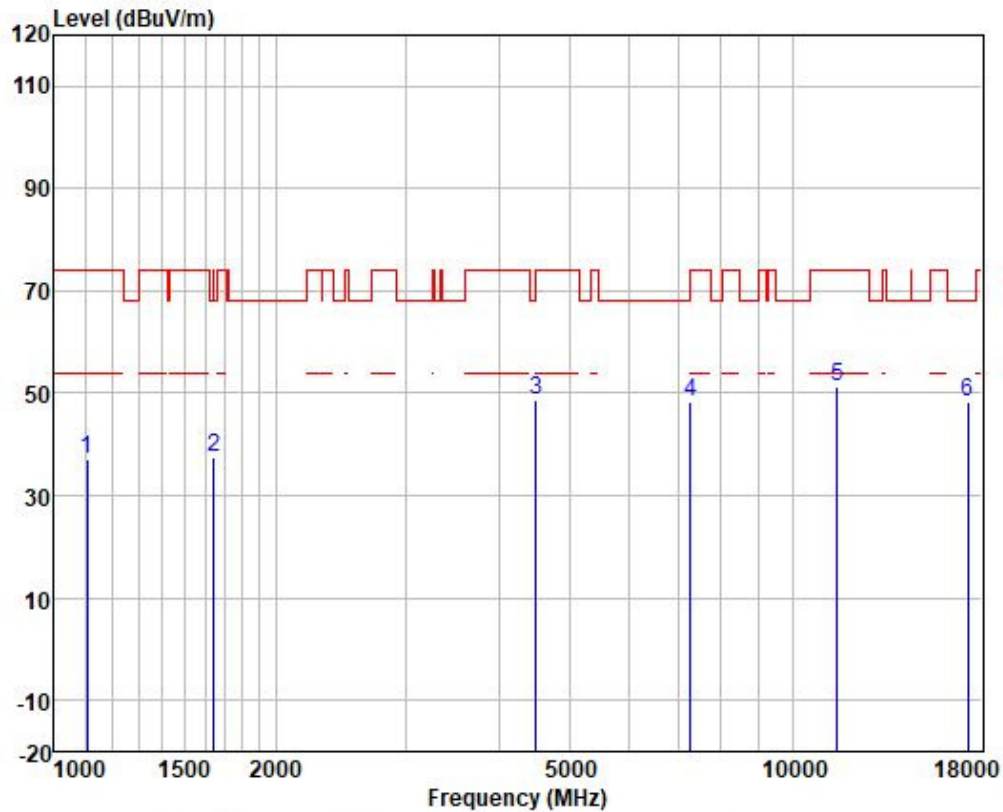
	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1267.454	47.57	23.81	2.60	37.63	36.35	68.20	-31.85	HORIZONTAL	peak
1692.231	46.64	25.09	3.17	37.40	37.50	74.00	-36.50	HORIZONTAL	peak
4405.090	45.52	33.74	5.78	36.62	48.42	68.20	-19.78	HORIZONTAL	peak
7117.542	42.08	35.38	7.52	36.92	48.06	68.20	-20.14	HORIZONTAL	peak
11650.000	38.40	39.91	8.85	36.62	50.54	74.00	-23.46	HORIZONTAL	peak
17475.000	31.22	43.43	11.35	35.96	50.04	68.20	-18.16	HORIZONTAL	peak



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



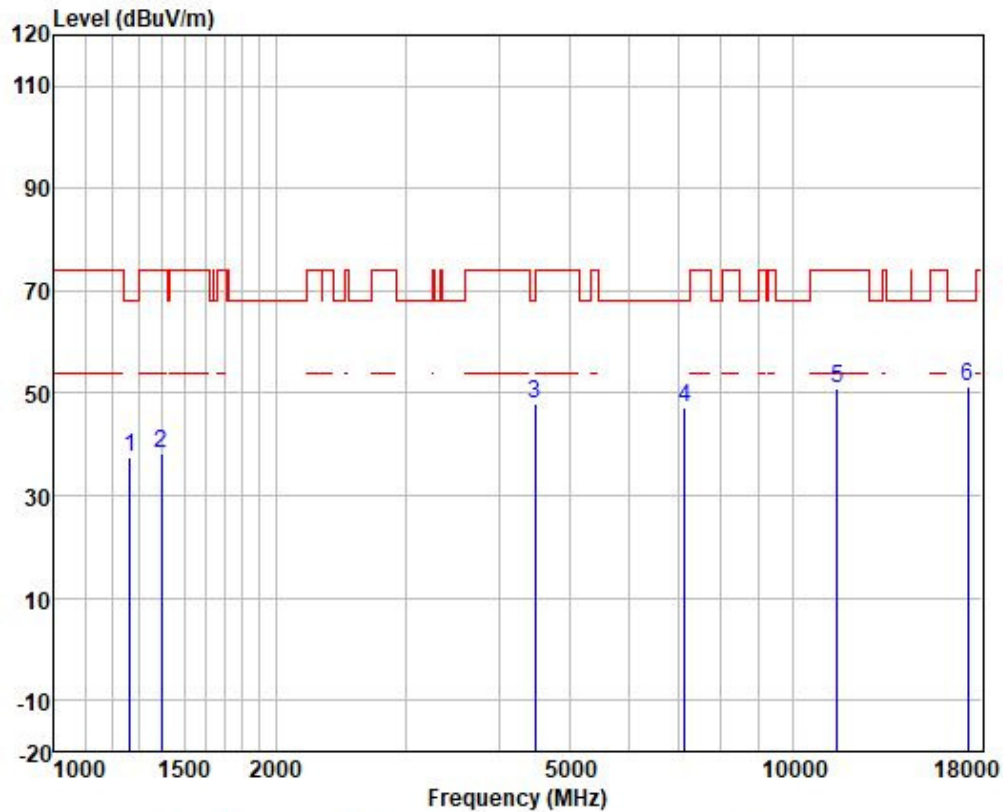
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark	
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1109.660	49.47	22.71	2.49	37.67	37.00	74.00	-37.00	VERTICAL	peak
2	1644.019	46.82	24.84	3.15	37.42	37.39	68.20	-30.81	VERTICAL	peak
3	4495.125	45.28	34.17	5.81	36.63	48.63	68.20	-19.57	VERTICAL	peak
4	7284.038	41.68	35.93	7.55	36.94	48.22	74.00	-25.78	VERTICAL	peak
5	11510.000	39.07	40.25	8.78	36.63	51.47	74.00	-22.53	VERTICAL	peak
6	17265.000	30.26	42.72	11.29	36.05	48.22	68.20	-19.98	VERTICAL	peak



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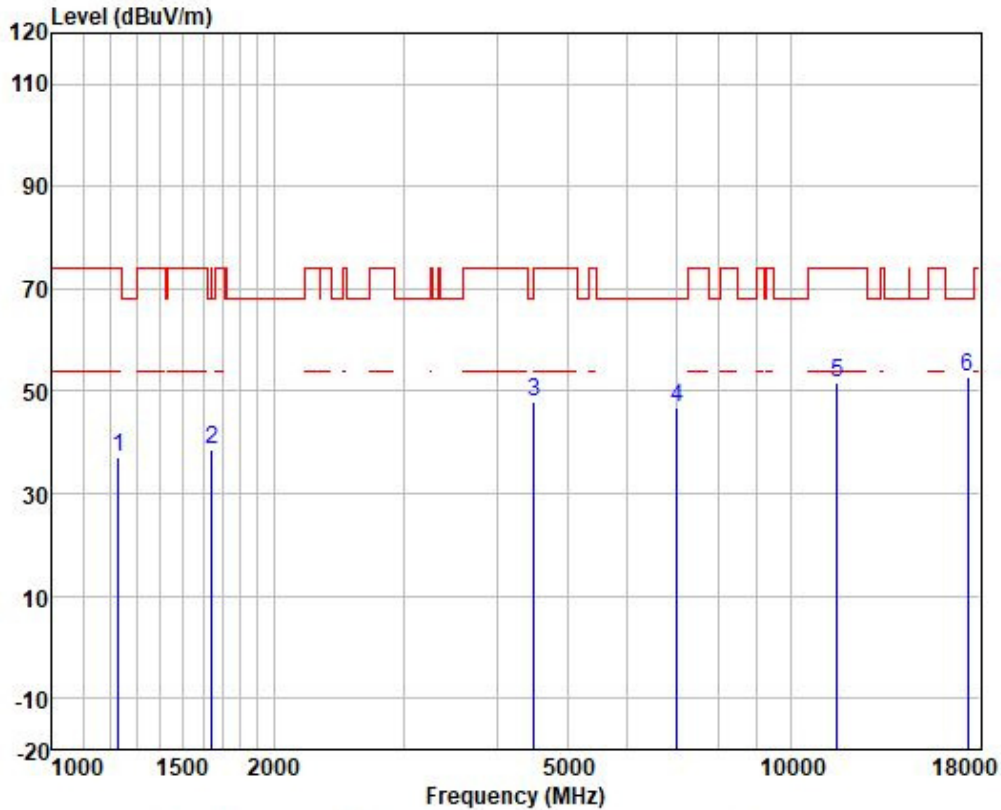
Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1267.454	48.53	23.81	2.60	37.63	37.31	68.20	-30.89	HORIZONTAL	peak
1398.336	48.71	24.26	2.80	37.56	38.21	74.00	-35.79	HORIZONTAL	peak
4482.150	44.70	34.12	5.80	36.63	47.99	68.20	-20.21	HORIZONTAL	peak
7158.806	41.16	35.49	7.53	36.93	47.25	68.20	-20.95	HORIZONTAL	peak
11510.000	38.51	40.25	8.78	36.63	50.91	74.00	-23.09	HORIZONTAL	peak
17265.000	33.23	42.72	11.29	36.05	51.19	68.20	-17.01	HORIZONTAL	peak



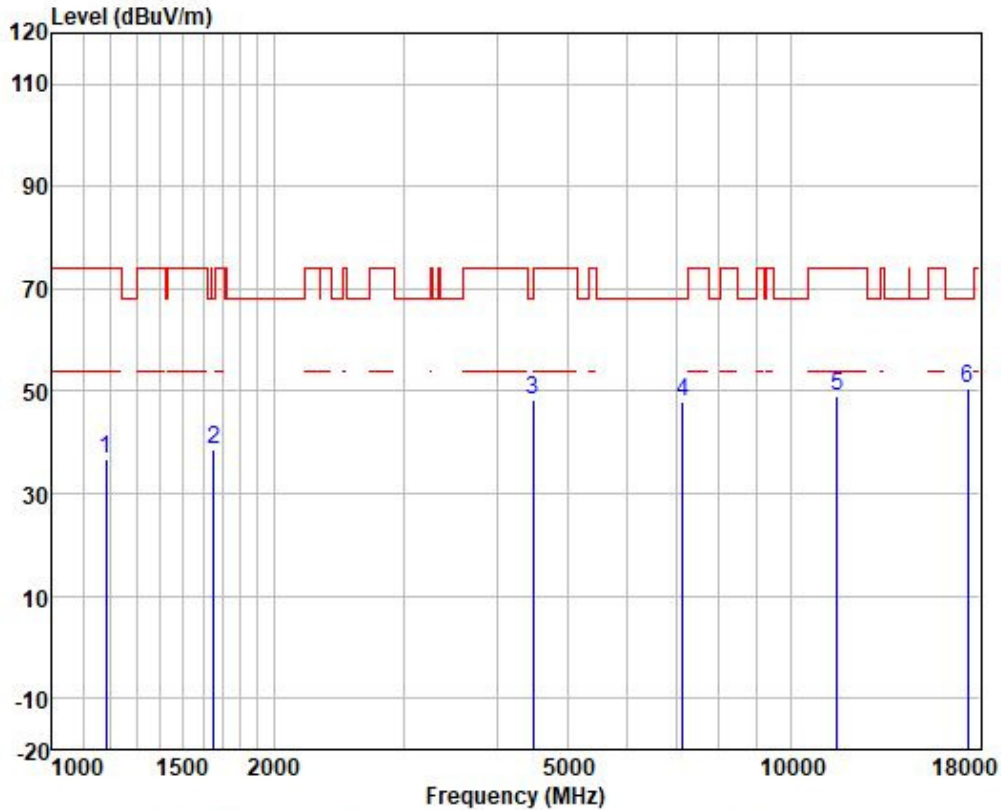
Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1231.345	48.49	23.51	2.57	37.64	36.93	74.00	-37.07	VERTICAL	peak
2	1644.019	47.94	24.84	3.15	37.42	38.51	68.20	-29.69	VERTICAL	peak
3	4495.125	44.75	34.17	5.81	36.63	48.10	68.20	-20.10	VERTICAL	peak
4	7015.420	41.17	35.15	7.51	36.90	46.93	68.20	-21.27	VERTICAL	peak
5	11590.000	39.30	40.01	8.83	36.62	51.52	74.00	-22.48	VERTICAL	peak
6	17385.000	34.43	43.10	11.32	35.99	52.86	68.20	-15.34	VERTICAL	peak



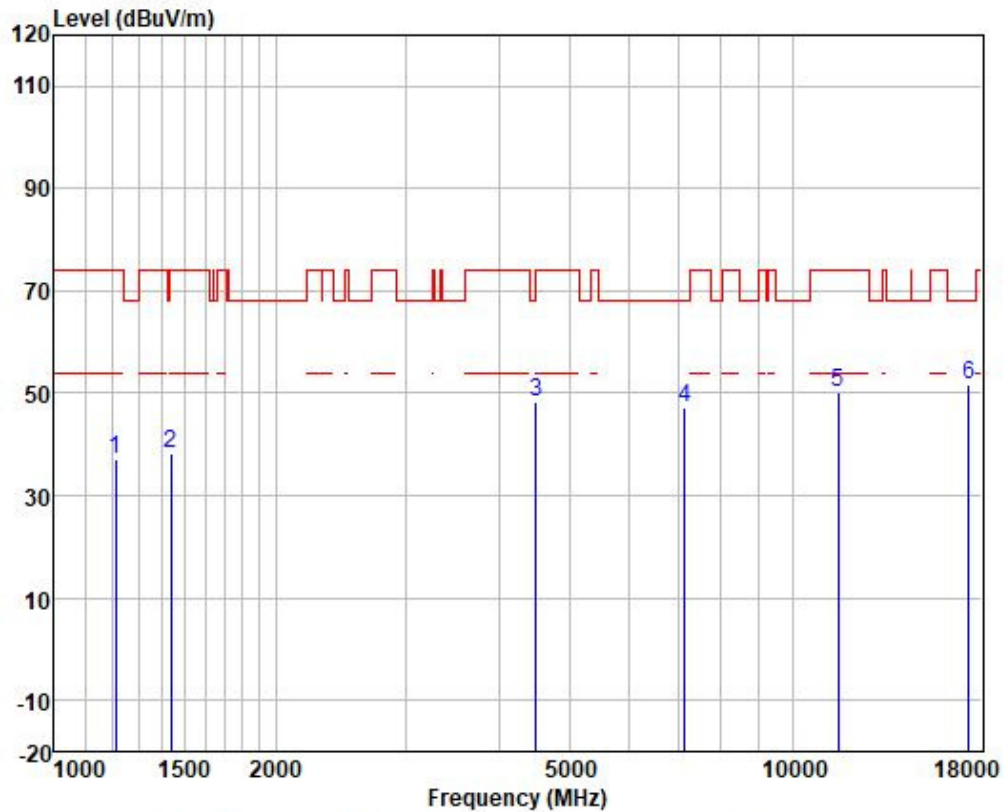
Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1182.513	48.69	23.04	2.54	37.65	36.62	74.00	-37.38	HORIZONTAL peak
2	1653.550	47.80	24.89	3.16	37.41	38.44	68.20	-29.76	HORIZONTAL peak
3	4482.150	45.05	34.12	5.80	36.63	48.34	68.20	-19.86	HORIZONTAL peak
4	7158.806	41.76	35.49	7.53	36.93	47.85	68.20	-20.35	HORIZONTAL peak
5	11590.000	36.93	40.01	8.83	36.62	49.15	74.00	-24.85	HORIZONTAL peak
6	17385.000	32.05	43.10	11.32	35.99	50.48	68.20	-17.72	HORIZONTAL peak



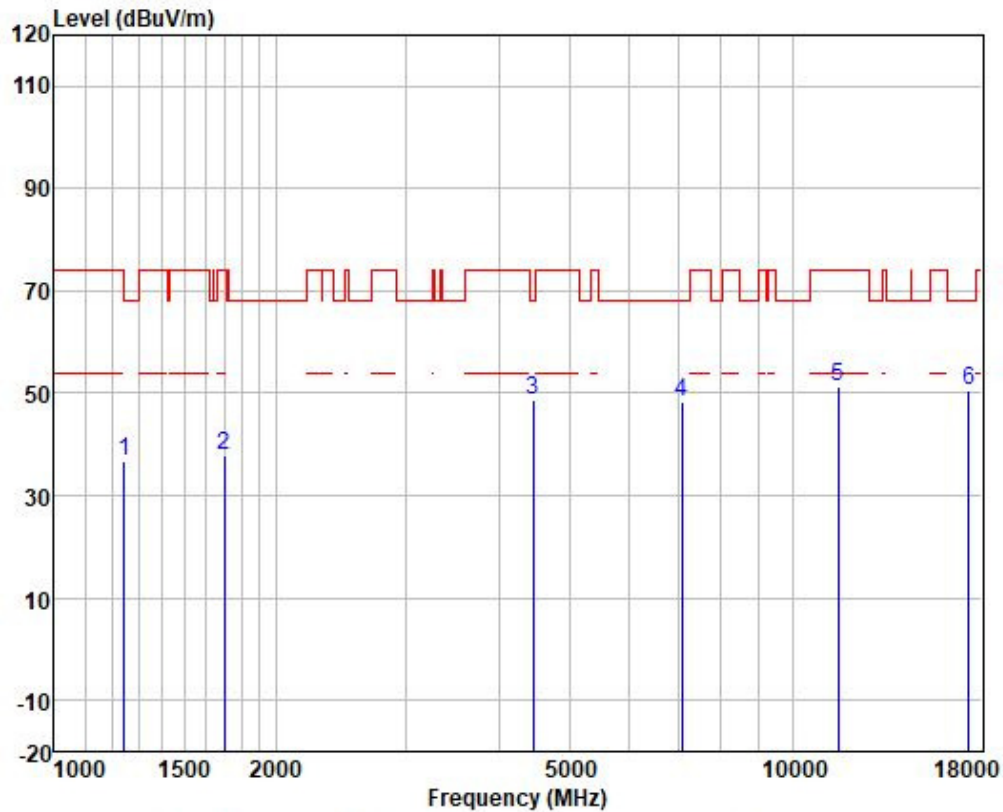
Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz



	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1210.174	48.84	23.26	2.55	37.64	37.01	74.00	-36.99	VERTICAL	peak
1439.343	48.39	24.34	2.93	37.55	38.11	74.00	-35.89	VERTICAL	peak
4495.125	45.03	34.17	5.81	36.63	48.38	68.20	-19.82	VERTICAL	peak
7158.806	41.24	35.49	7.53	36.93	47.33	68.20	-20.87	VERTICAL	peak
11550.000	37.83	40.17	8.80	36.63	50.17	74.00	-23.83	VERTICAL	peak
17325.000	33.31	42.92	11.30	36.03	51.50	68.20	-16.70	VERTICAL	peak



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



	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1245.663	48.19	23.65	2.58	37.63	36.79	68.20	-31.41	HORIZONTAL	peak
1702.042	46.79	25.15	3.18	37.39	37.73	74.00	-36.27	HORIZONTAL	peak
4456.315	45.42	34.00	5.80	36.63	48.59	68.20	-19.61	HORIZONTAL	peak
7076.516	42.32	35.28	7.52	36.91	48.21	68.20	-19.99	HORIZONTAL	peak
11550.000	38.84	40.17	8.80	36.63	51.18	74.00	-22.82	HORIZONTAL	peak
17325.000	32.31	42.92	11.30	36.03	50.50	68.20	-17.70	HORIZONTAL	peak



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7.5 Radiated Emissions which fall in the restricted bands

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

Test Method: KDB 789033 D02 II G

Test Distance: 3m

Limit:

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

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

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

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

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

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

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



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7.5.1 E.U.T. Operation

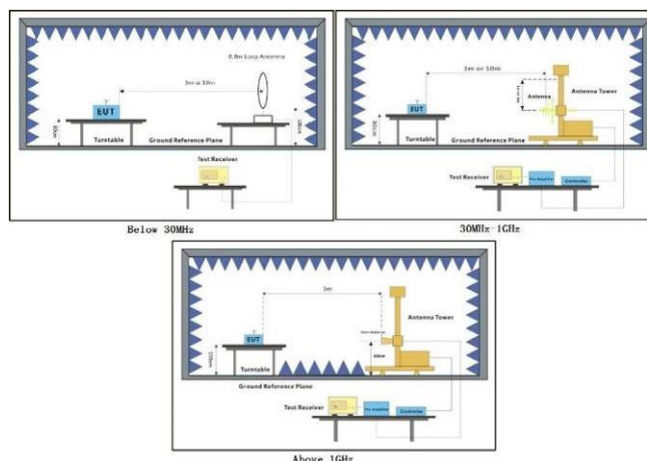
Operating Environment:

Temperature: 25.2 °C Humidity: 59.8 % RH Atmospheric Pressure: 1003 mbar

7.5.2 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/ac/ax 20/40/80, 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/ac/ax 20/40/80, 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/ac/ax 20/40/80, 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/ac/ax 20/40/80, Only the data of worst case is recorded in the report.

7.5.3 Test Setup Diagram



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7.5.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, 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.
- c. 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.
- d. 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.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. 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.
- h. Test the EUT in the lowest channel, the Highest channel.
- i. 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.
- j. Repeat above procedures until all frequencies measured was complete.

Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor



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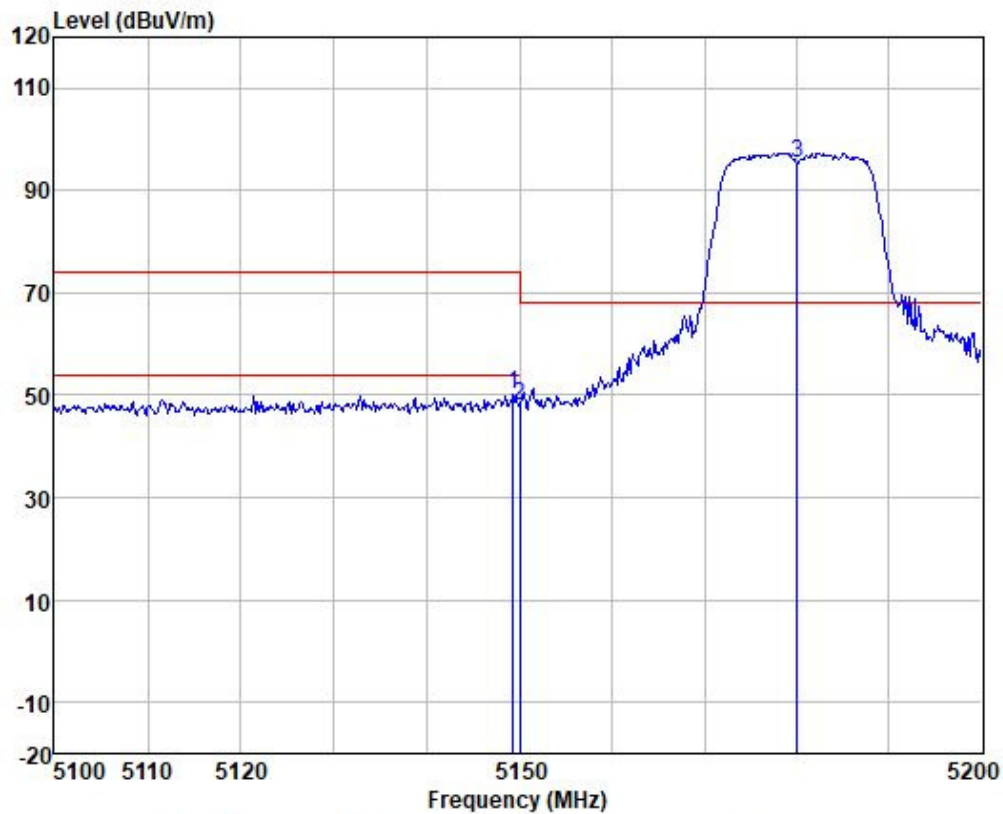
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Test Mode: 00; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5149.257	47.01	33.79	5.95	36.73	50.02	74.00	-23.98	VERTICAL peak
2	5150.000	44.91	33.79	5.95	36.73	47.92	68.20	-20.28	VERTICAL peak
3 *	5180.000	92.40	33.69	5.97	36.73	95.33	68.20	27.13	VERTICAL peak



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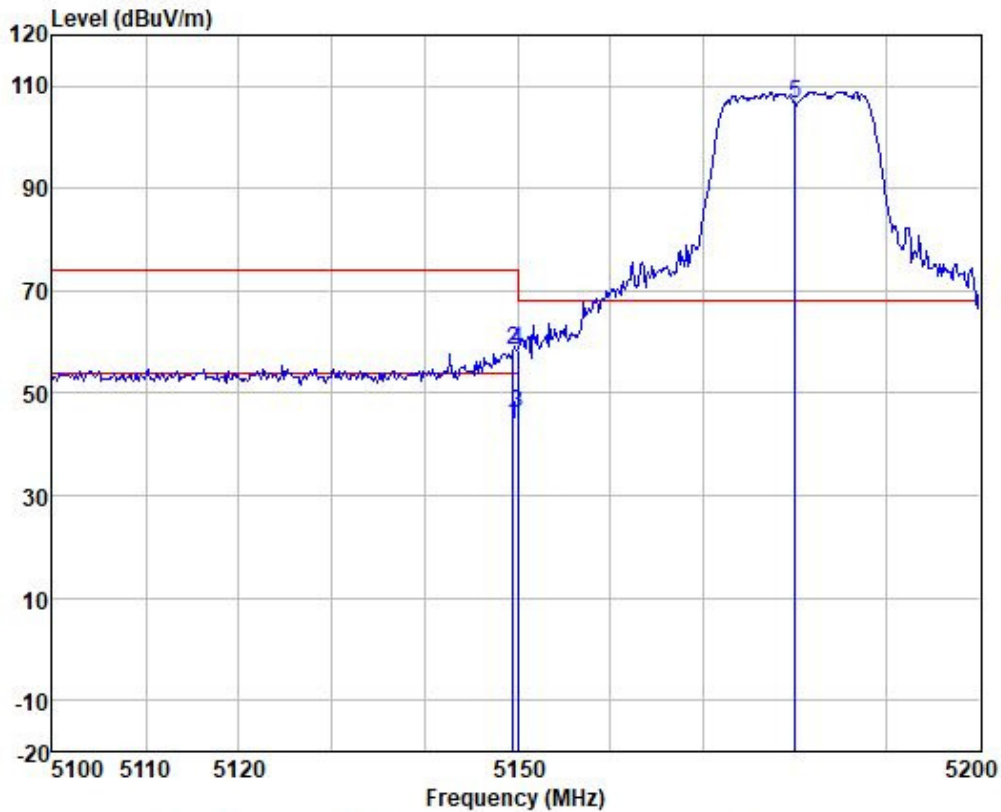
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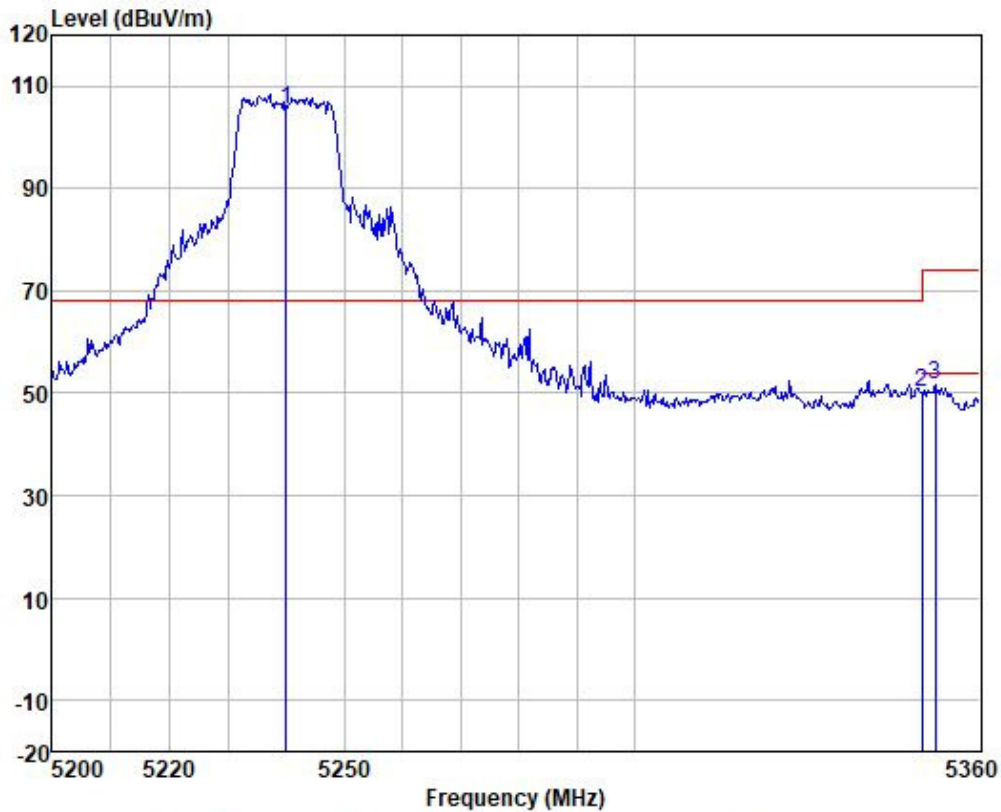
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	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark	
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5149.458	40.65	33.79	5.95	36.73	43.66	54.00	-10.34	HORIZONTAL	Average
2	5149.458	55.40	33.79	5.95	36.73	58.41	74.00	-15.59	HORIZONTAL	peak
3	5150.000	42.98	33.79	5.95	36.73	45.99	54.00	-8.01	HORIZONTAL	Average
4	5150.000	55.49	33.79	5.95	36.73	58.50	68.20	-9.70	HORIZONTAL	peak
5 *	5180.000	103.58	33.69	5.97	36.73	106.51	68.20	38.31	HORIZONTAL	peak



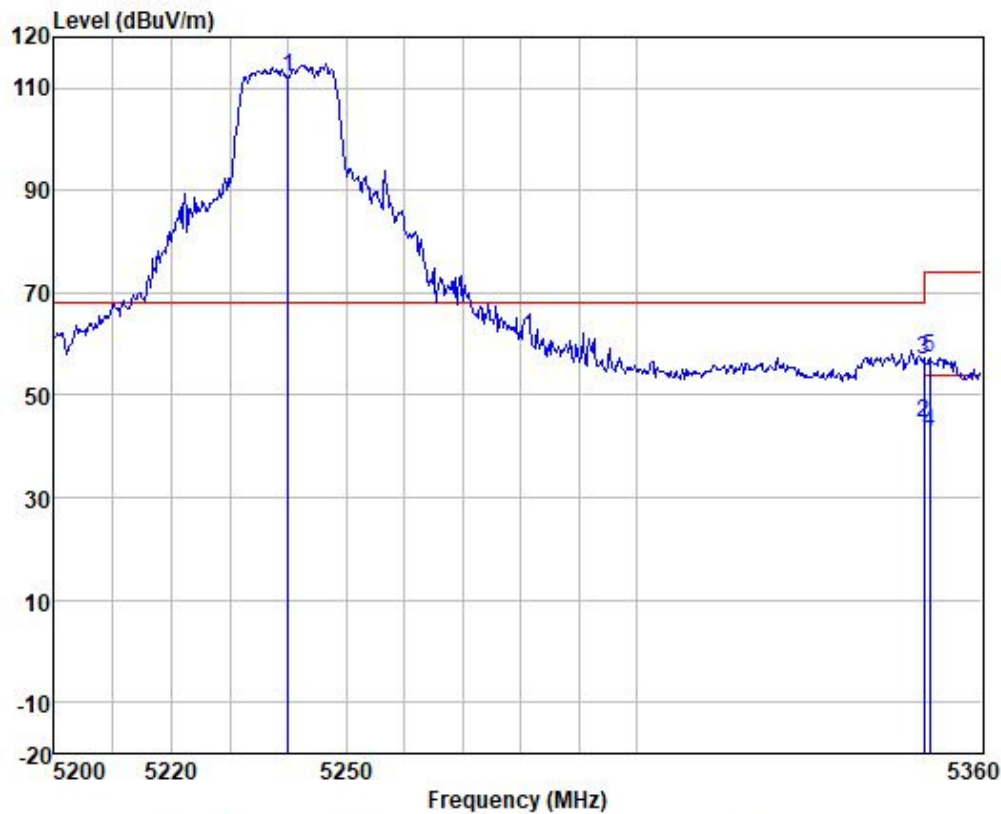
Test Mode: 00; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 *	5240.000	102.58	33.45	6.02	36.74	105.31	68.20	37.11	VERTICAL peak
2	5350.000	47.72	33.00	6.13	36.76	50.09	68.20	-18.11	VERTICAL peak
3	5352.371	49.16	33.00	6.13	36.76	51.53	74.00	-22.47	VERTICAL peak



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



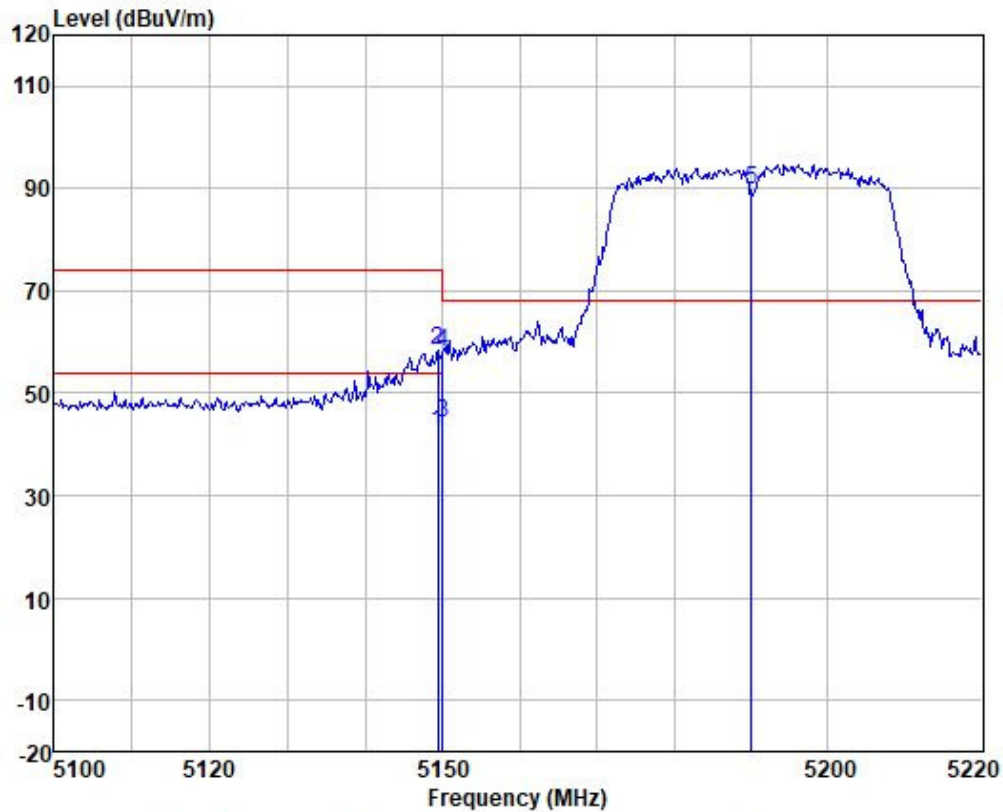
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	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 *	5240.000	109.51	33.45	6.02	36.74	112.24	68.20	44.04	HORIZONTAL peak
2	5350.000	42.07	33.00	6.13	36.76	44.44	54.00	-9.56	HORIZONTAL Average
3	5350.000	54.65	33.00	6.13	36.76	57.02	68.20	-11.18	HORIZONTAL peak
4	5351.073	40.41	33.00	6.13	36.76	42.78	54.00	-11.22	HORIZONTAL Average
5	5351.073	55.04	33.00	6.13	36.76	57.41	74.00	-16.59	HORIZONTAL peak



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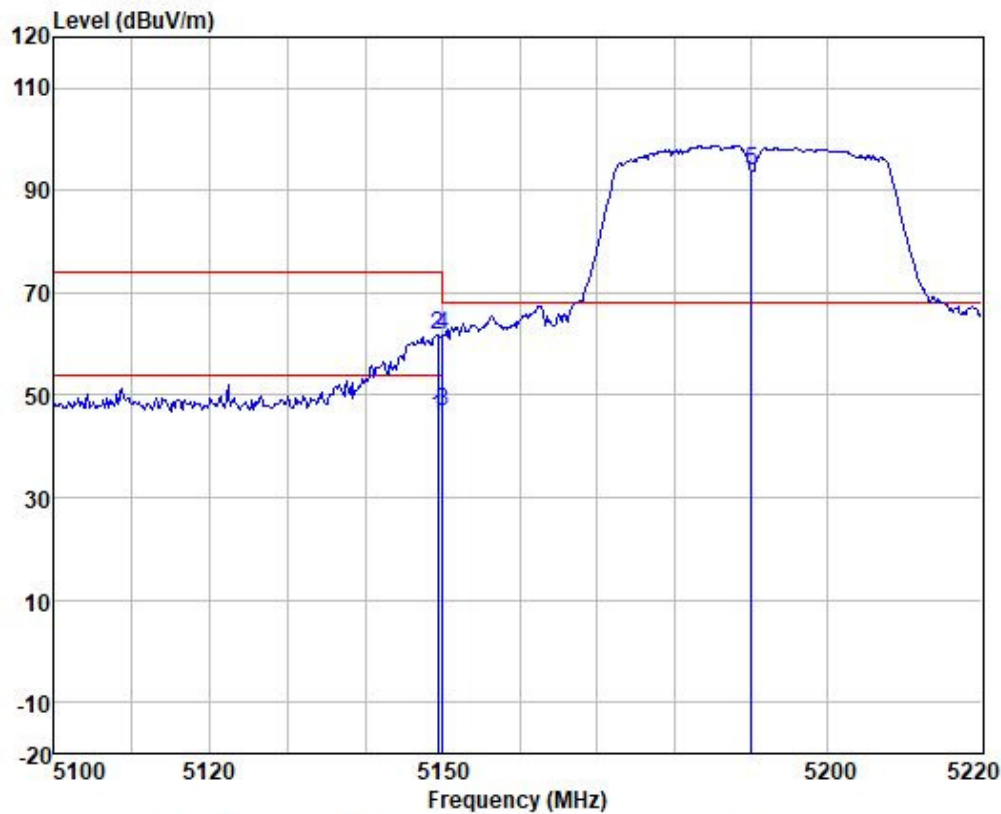
Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5149.342	39.30	33.79	5.95	36.73	42.31	54.00	-11.69	VERTICAL	Average
2	5149.342	55.30	33.79	5.95	36.73	58.31	74.00	-15.69	VERTICAL	peak
3	5150.000	41.10	33.79	5.95	36.73	44.11	54.00	-9.89	VERTICAL	Average
4	5150.000	55.02	33.79	5.95	36.73	58.03	68.20	-10.17	VERTICAL	peak
5 *	5190.000	86.94	33.64	5.98	36.73	89.83	68.20	21.63	VERTICAL	peak



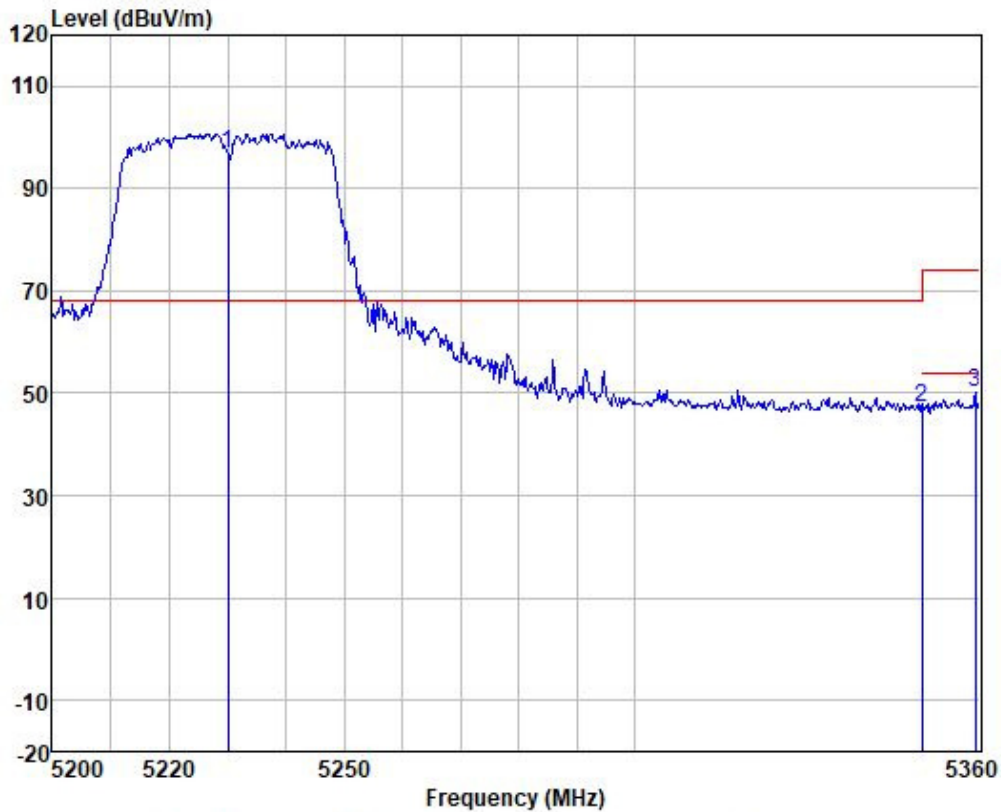
Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5149.342	42.62	33.79	5.95	36.73	45.63	54.00	-8.37	HORIZONTAL	Average
2	5149.342	58.74	33.79	5.95	36.73	61.75	74.00	-12.25	HORIZONTAL	peak
3	5150.000	43.79	33.79	5.95	36.73	46.80	54.00	-7.20	HORIZONTAL	Average
4	5150.000	58.75	33.79	5.95	36.73	61.76	68.20	-6.44	HORIZONTAL	peak
5 *	5190.000	91.06	33.64	5.98	36.73	93.95	68.20	25.75	HORIZONTAL	peak



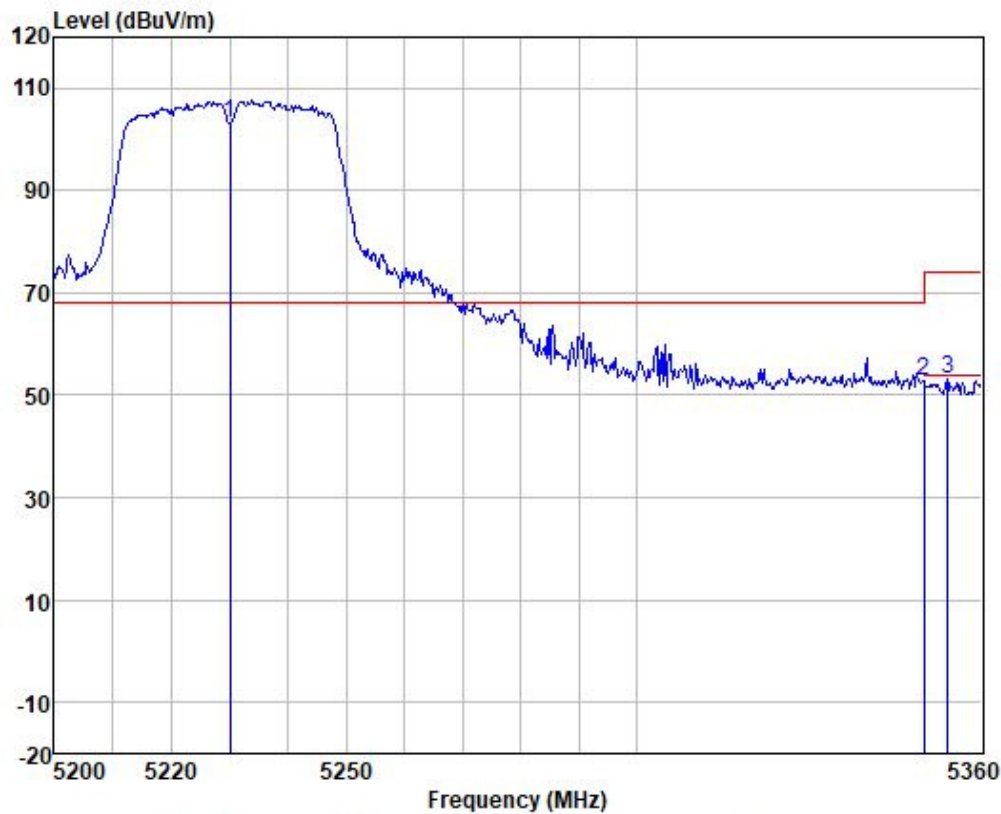
Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 *	5230.000	94.21	33.52	6.01	36.74	97.00	68.20	28.80	VERTICAL peak
2	5350.000	44.78	33.00	6.13	36.76	47.15	68.20	-21.05	VERTICAL peak
3	5359.350	47.85	32.95	6.15	36.76	50.19	74.00	-23.81	VERTICAL peak



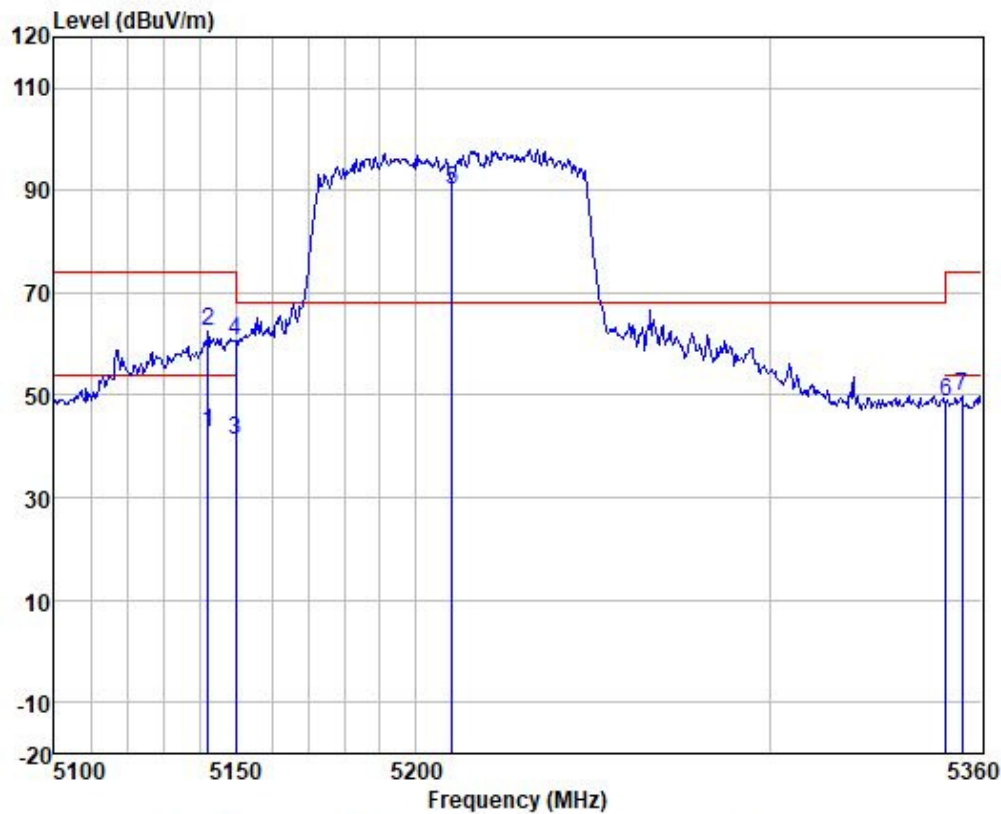
Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 *	5230.000	100.47	33.52	6.01	36.74	103.26	68.20	35.06	HORIZONTAL peak
2	5350.000	50.35	33.00	6.13	36.76	52.72	68.20	-15.48	HORIZONTAL peak
3	5354.155	50.69	32.95	6.15	36.76	53.03	74.00	-20.97	HORIZONTAL peak



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



	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark	
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5142.270	39.70	33.79	5.95	36.73	42.71	54.00	-11.29	VERTICAL	Average
2	5142.270	59.47	33.79	5.95	36.73	62.48	74.00	-11.52	VERTICAL	peak
3	5150.000	38.31	33.79	5.95	36.73	41.32	54.00	-12.68	VERTICAL	Average
4	5150.000	57.77	33.79	5.95	36.73	60.78	68.20	-7.42	VERTICAL	peak
5 *	5210.000	87.33	33.58	6.00	36.74	90.17	68.20	21.97	VERTICAL	peak
6	5350.000	46.37	33.00	6.13	36.76	48.74	68.20	-19.46	VERTICAL	peak
7	5354.672	47.42	32.95	6.15	36.76	49.76	74.00	-24.24	VERTICAL	peak



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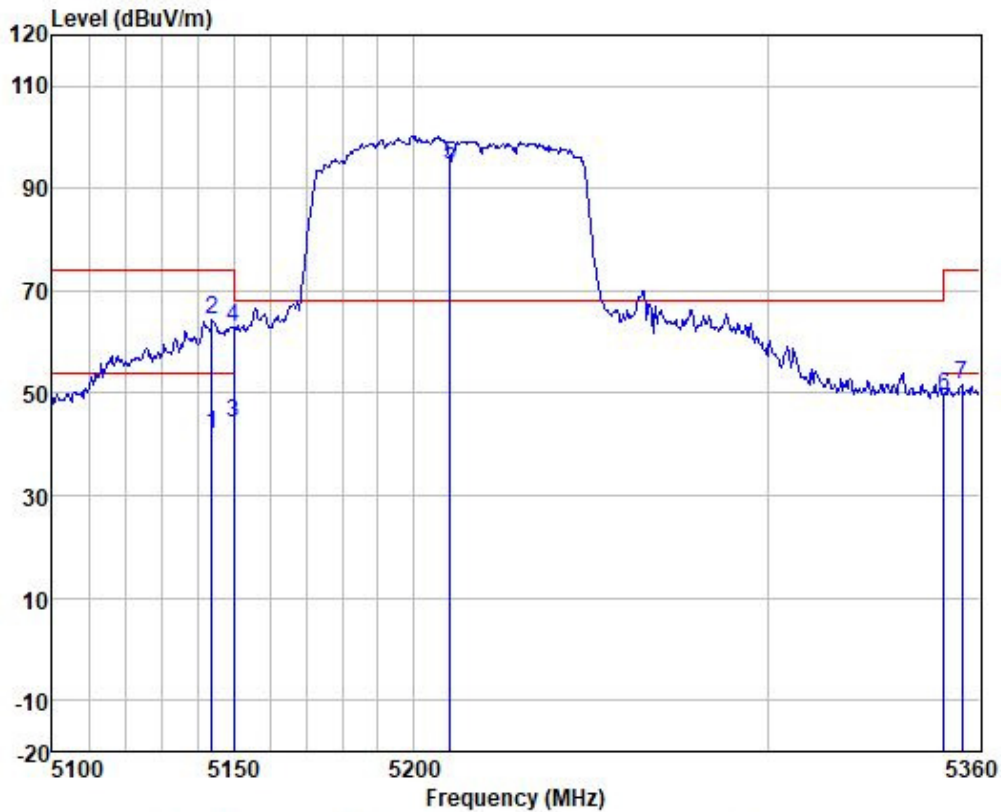
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz



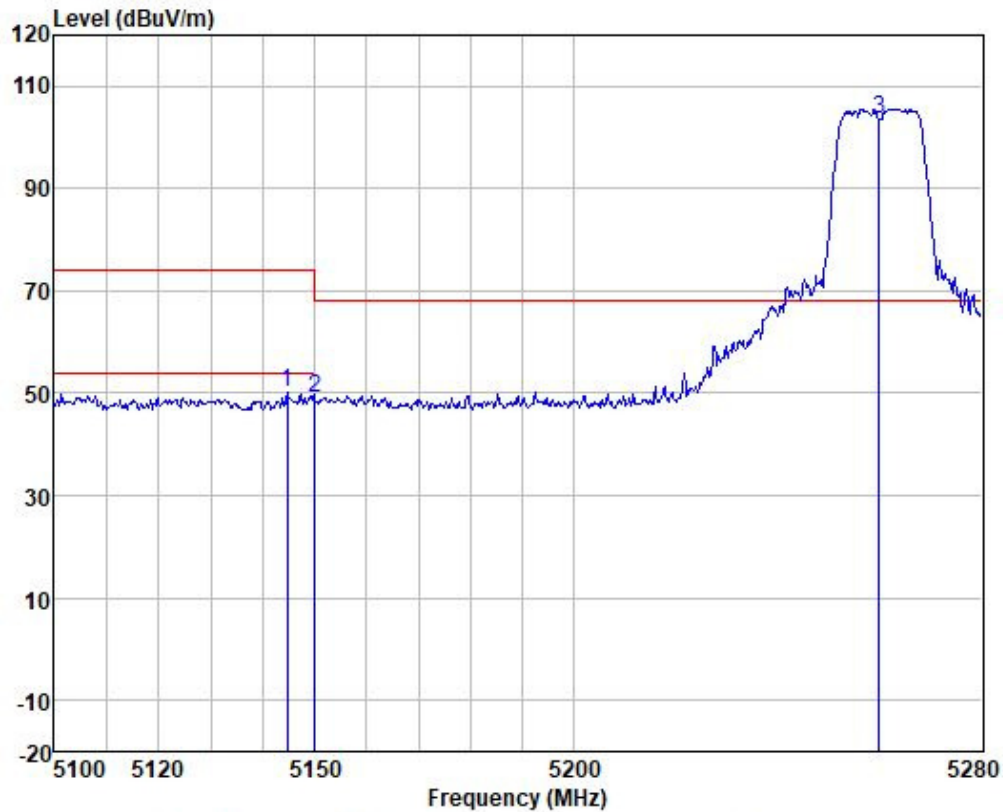
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5143.805	38.97	33.79	5.95	36.73	41.98	54.00	-12.02	HORIZONTAL	Average
2	5143.805	61.32	33.79	5.95	36.73	64.33	74.00	-9.67	HORIZONTAL	peak
3	5150.000	41.12	33.79	5.95	36.73	44.13	54.00	-9.87	HORIZONTAL	Average
4	5150.000	59.70	33.79	5.95	36.73	62.71	68.20	-5.49	HORIZONTAL	peak
5	* 5210.000	91.93	33.58	6.00	36.74	94.77	68.20	26.57	HORIZONTAL	peak
6	5350.000	47.21	33.00	6.13	36.76	49.58	68.20	-18.62	HORIZONTAL	peak
7	5355.205	49.29	32.95	6.15	36.76	51.63	74.00	-22.37	HORIZONTAL	peak



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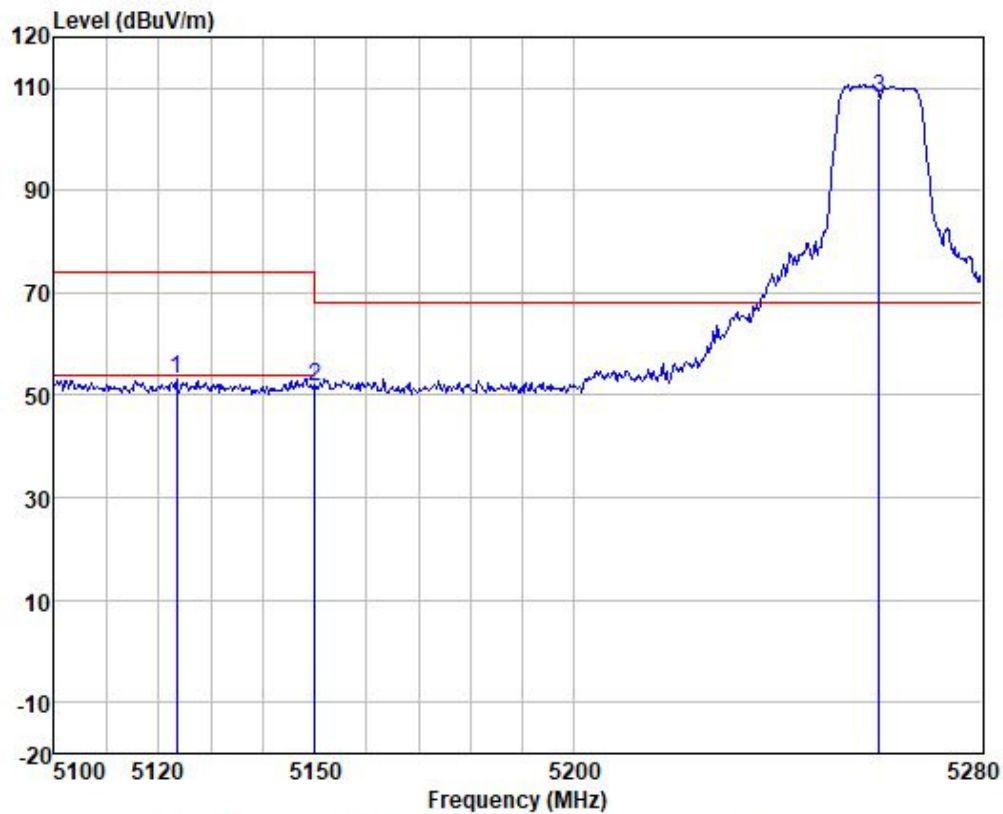
Test Mode: 01; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark	
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5144.773	47.27	33.79	5.95	36.73	50.28	74.00	-23.72	VERTICAL	peak
2	5150.000	46.03	33.79	5.95	36.73	49.04	68.20	-19.16	VERTICAL	peak
3 *	5260.000	100.73	33.38	6.03	36.74	103.40	68.20	35.20	VERTICAL	peak



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



	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5123.404	50.18	33.88	5.93	36.73	53.26	74.00	-20.74	HORIZONTAL peak
2	5150.000	48.61	33.79	5.95	36.73	51.62	68.20	-16.58	HORIZONTAL peak
3 *	5260.000	105.47	33.38	6.03	36.74	108.14	68.20	39.94	HORIZONTAL peak



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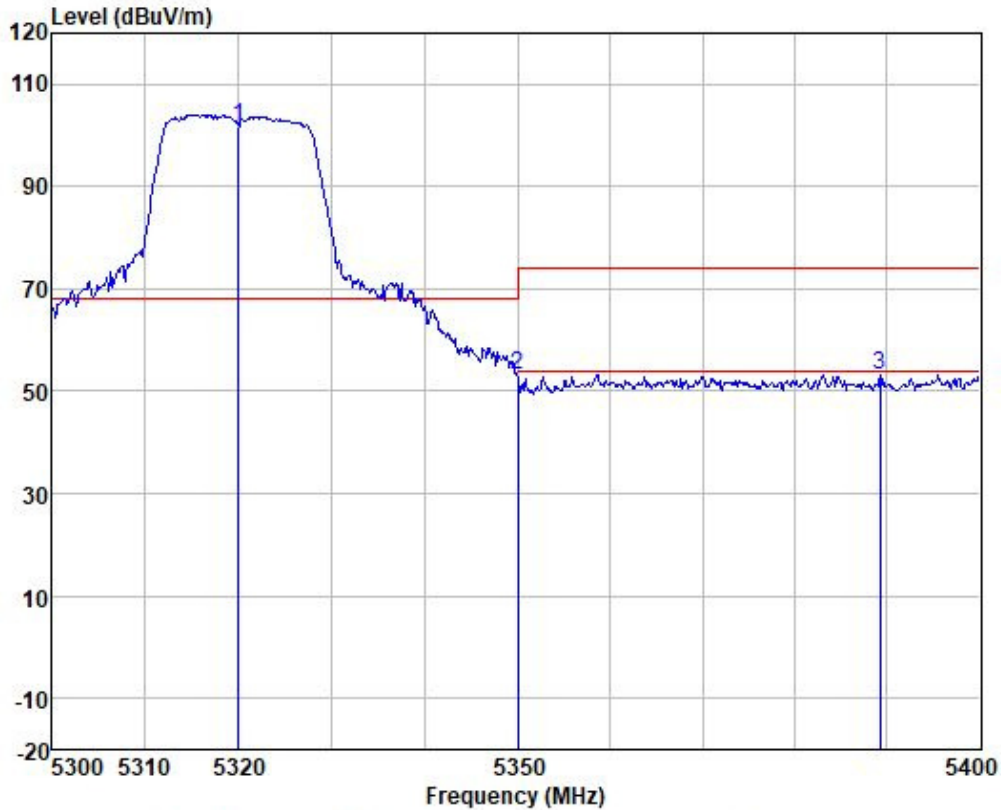
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Test Mode: 01; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 *	5320.000	99.31	33.11	6.09	36.75	101.76	68.20	33.56	VERTICAL
2	5350.000	50.69	33.00	6.13	36.76	53.06	68.20	-15.14	VERTICAL
3	5389.210	50.84	32.86	6.19	36.76	53.13	74.00	-20.87	VERTICAL



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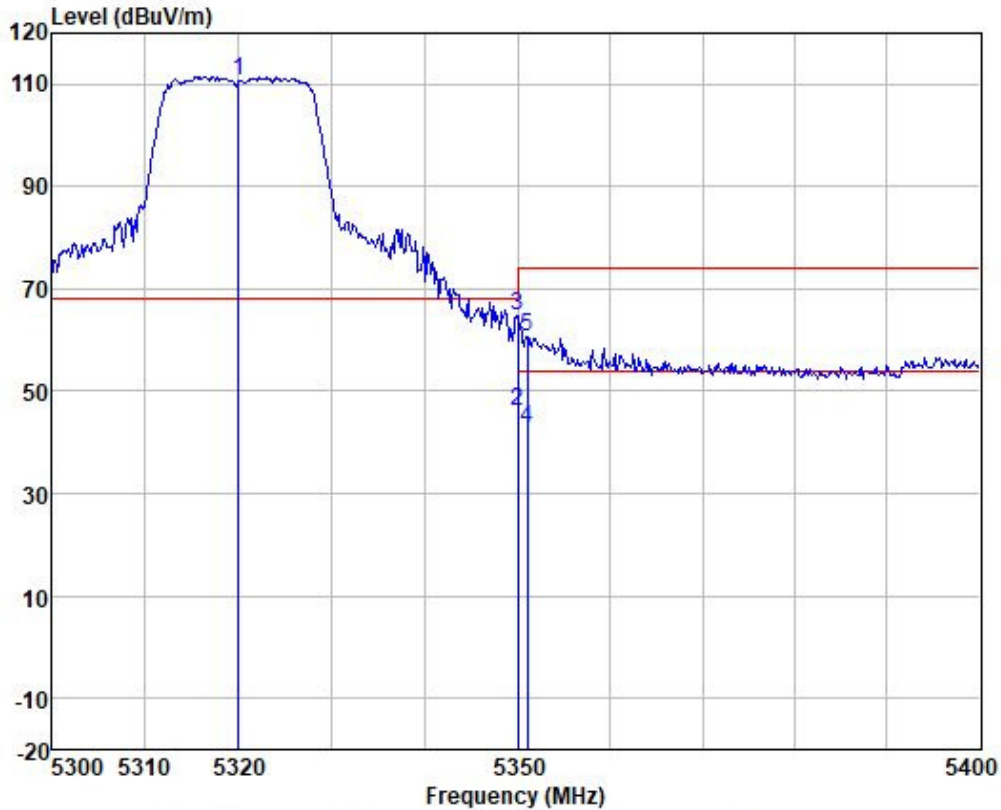
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



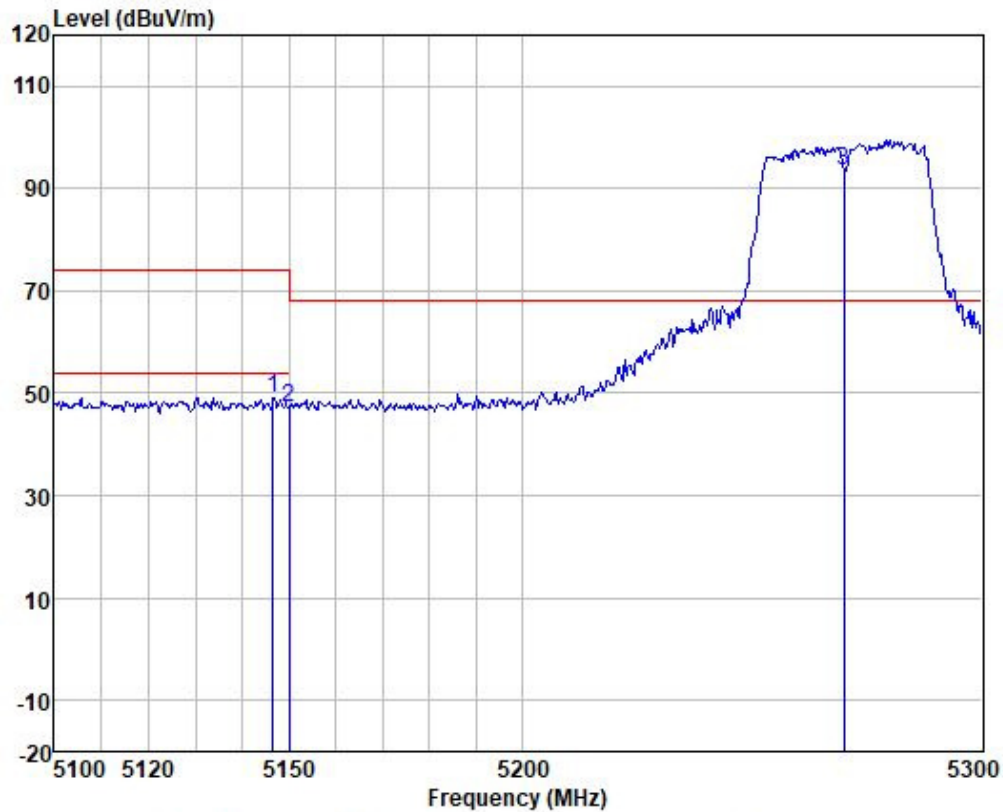
	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 *	5320.000	108.12	33.11	6.09	36.75	110.57	68.20	42.37	HORIZONTAL peak
2	5350.000	43.75	33.00	6.13	36.76	46.12	54.00	-7.88	HORIZONTAL Average
3	5350.000	62.30	33.00	6.13	36.76	64.67	68.20	-3.53	HORIZONTAL peak
4	5351.066	40.48	33.00	6.13	36.76	42.85	54.00	-11.15	HORIZONTAL Average
5	5351.066	58.36	33.00	6.13	36.76	60.73	74.00	-13.27	HORIZONTAL peak



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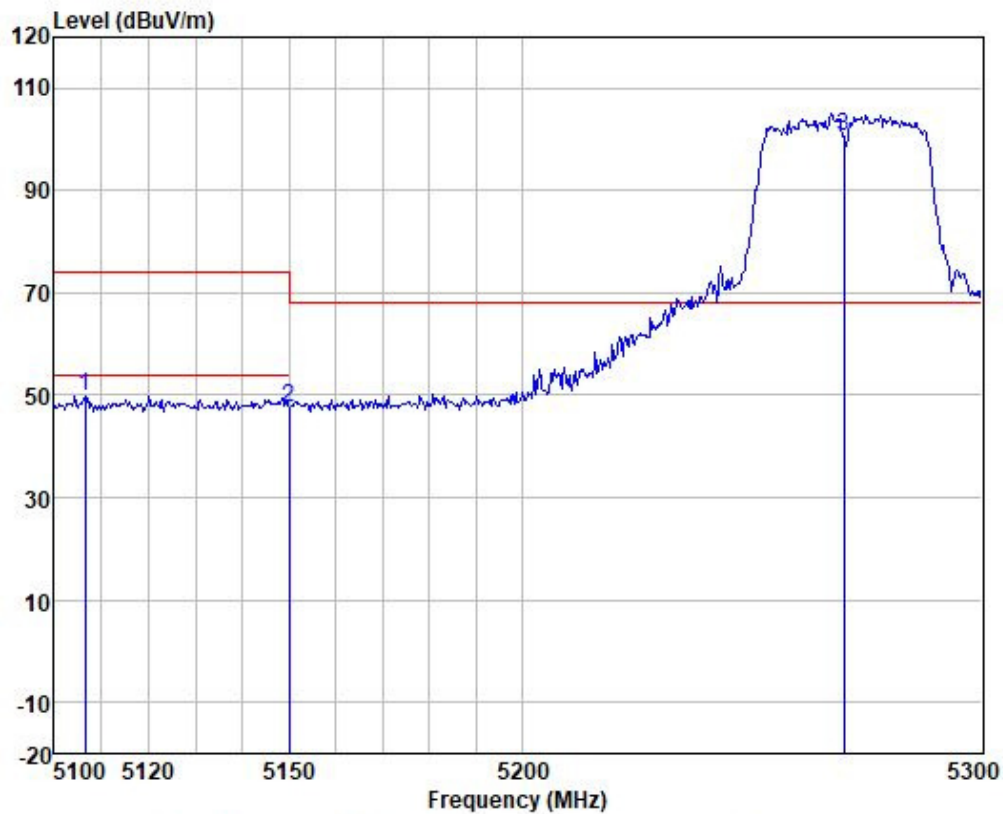
Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5146.509	46.19	33.79	5.95	36.73	49.20	74.00	-24.80	VERTICAL peak
2	5150.000	44.07	33.79	5.95	36.73	47.08	68.20	-21.12	VERTICAL peak
3 *	5270.000	90.90	33.30	6.05	36.74	93.51	68.20	25.31	VERTICAL peak



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



	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5106.478	46.87	33.92	5.92	36.72	49.99	74.00	-24.01	HORIZONTAL peak
2	5150.000	44.50	33.79	5.95	36.73	47.51	68.20	-20.69	HORIZONTAL peak
3 *	5270.000	97.90	33.30	6.05	36.74	100.51	68.20	32.31	HORIZONTAL peak



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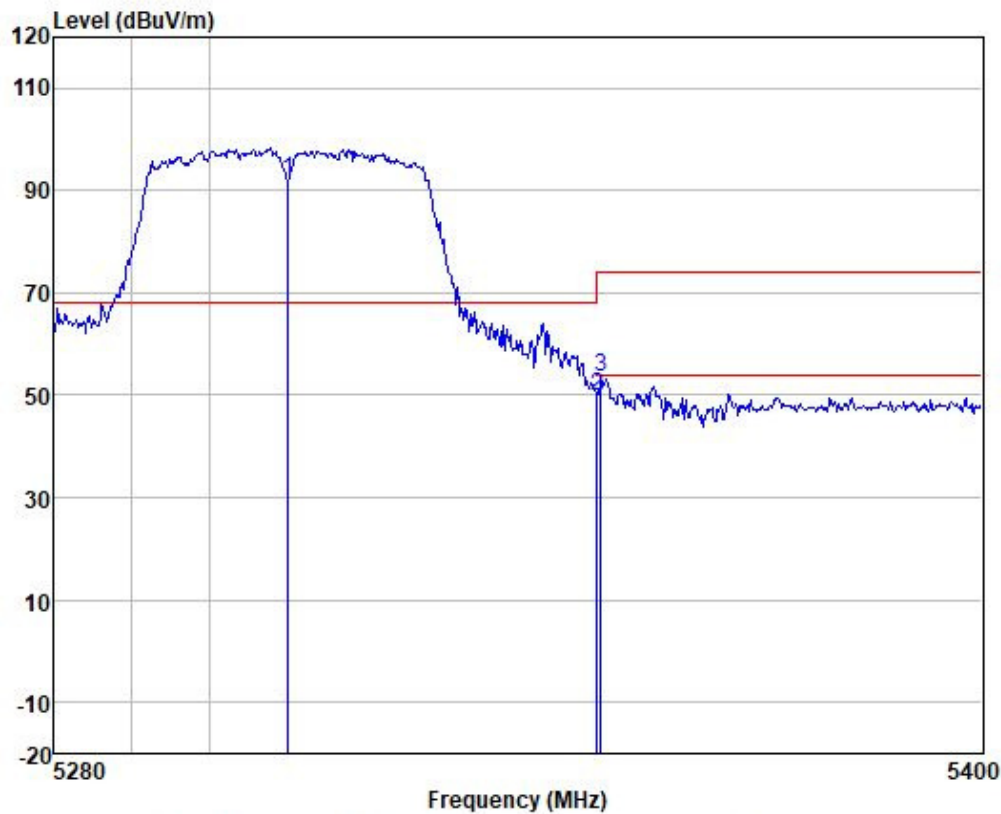
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Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 *	5310.000	89.56	33.11	6.09	36.75	92.01	68.20	23.81	VERTICAL
2	5350.000	47.63	33.00	6.13	36.76	50.00	68.20	-18.20	VERTICAL
3	5350.474	51.25	33.00	6.13	36.76	53.62	74.00	-20.38	VERTICAL



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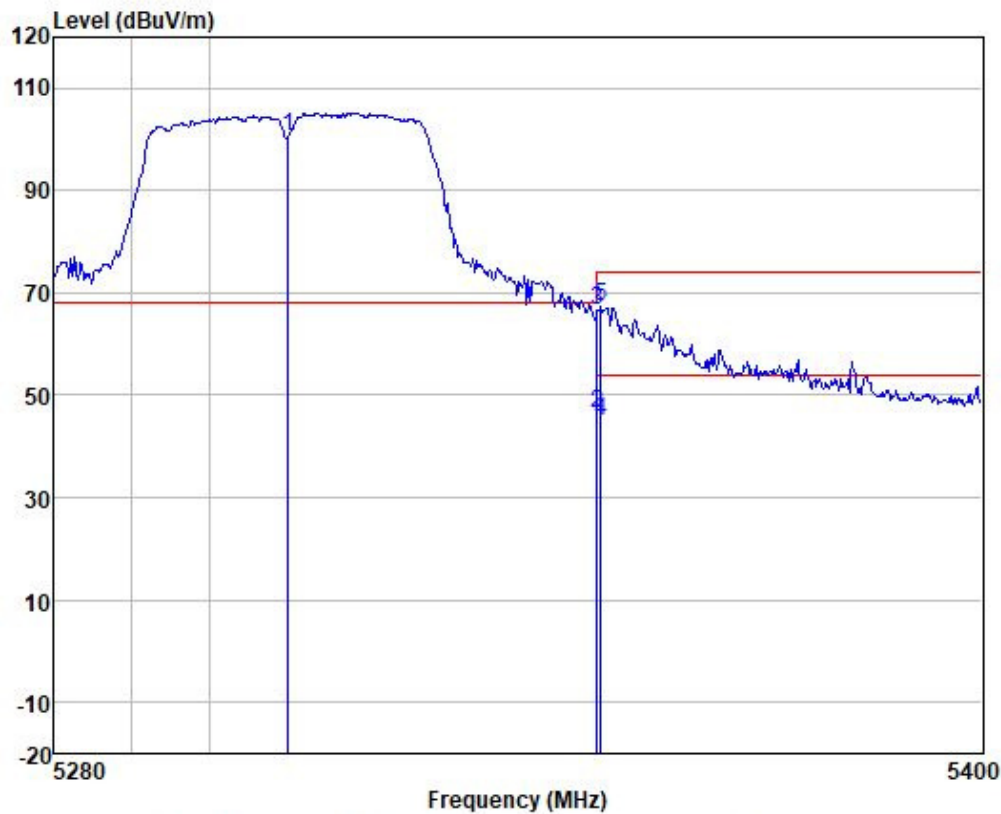
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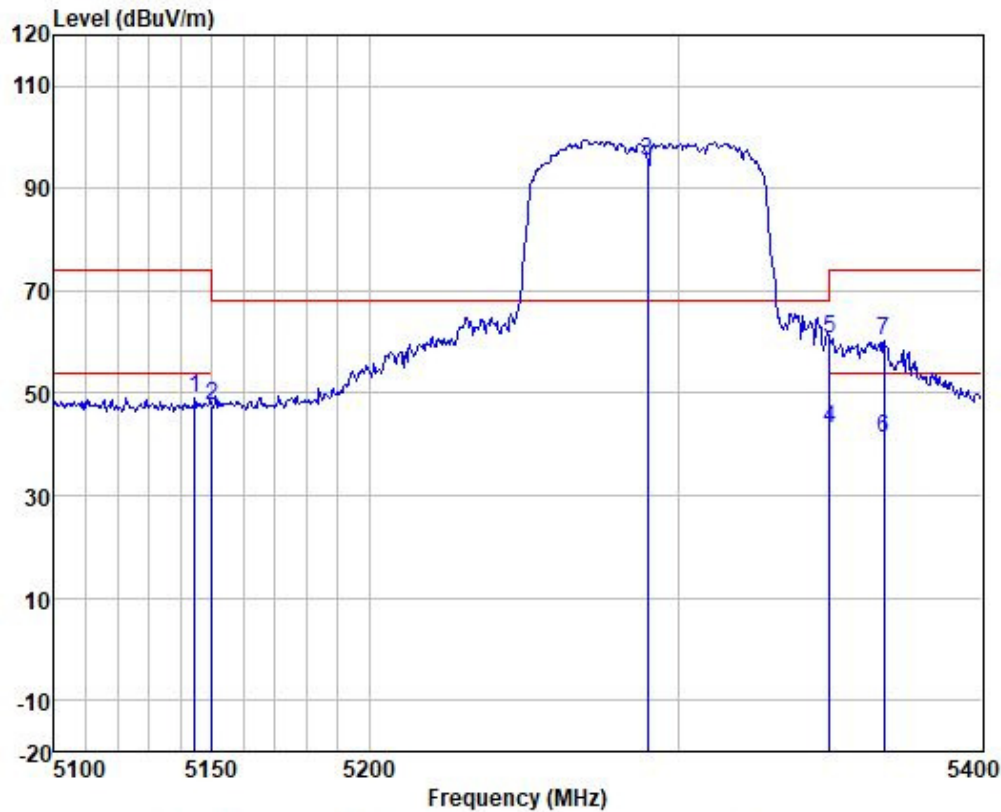
Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 *	5310.000	98.08	33.11	6.09	36.75	100.53	68.20	32.33	HORIZONTAL peak
2	5350.000	44.00	33.00	6.13	36.76	46.37	54.00	-7.63	HORIZONTAL Average
3	5350.000	64.20	33.00	6.13	36.76	66.57	68.20	-1.63	HORIZONTAL peak
4	5350.474	42.45	33.00	6.13	36.76	44.82	54.00	-9.18	HORIZONTAL Average
5	5350.474	65.02	33.00	6.13	36.76	67.39	74.00	-6.61	HORIZONTAL peak

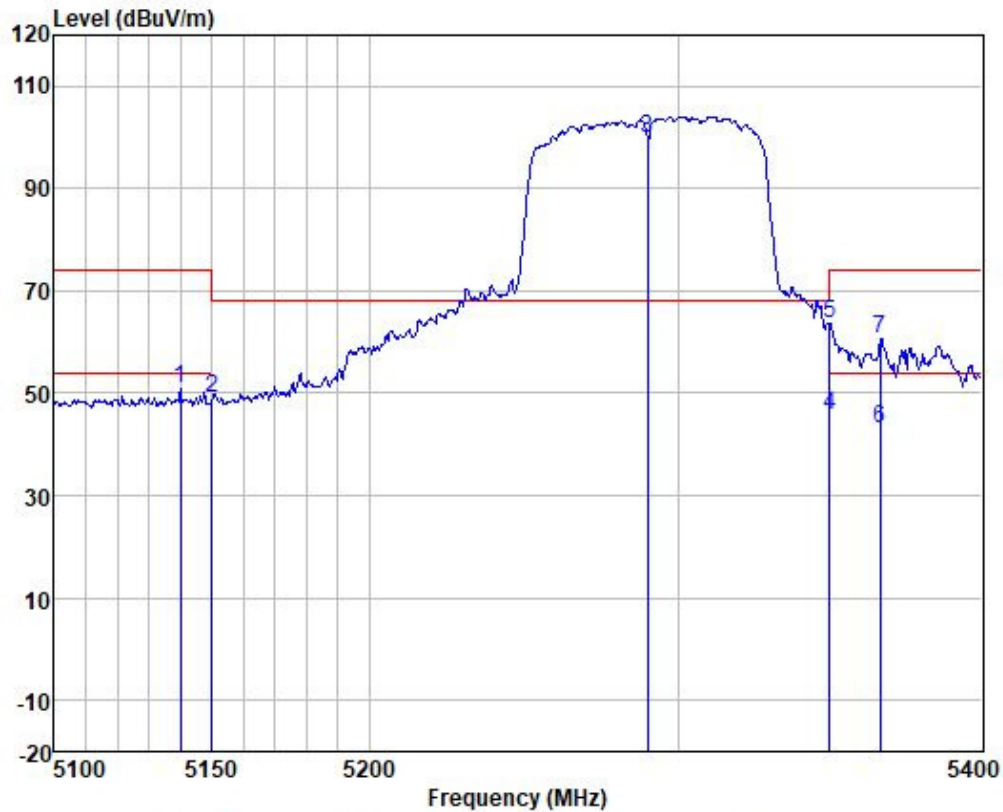


Test Mode: 01; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz



	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark	
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
*	5144.502	45.93	33.79	5.95	36.73	48.94	74.00	-25.06	VERTICAL	peak
	5150.000	44.72	33.79	5.95	36.73	47.73	68.20	-20.47	VERTICAL	peak
	5290.000	92.91	33.23	6.06	36.75	95.45	68.20	27.25	VERTICAL	peak
	5350.000	40.59	33.00	6.13	36.76	42.96	54.00	-11.04	VERTICAL	Average
	5350.000	58.40	33.00	6.13	36.76	60.77	68.20	-7.43	VERTICAL	peak
	5367.995	38.92	32.95	6.15	36.76	41.26	54.00	-12.74	VERTICAL	Average
	5367.995	57.94	32.95	6.15	36.76	60.28	74.00	-13.72	VERTICAL	Peak

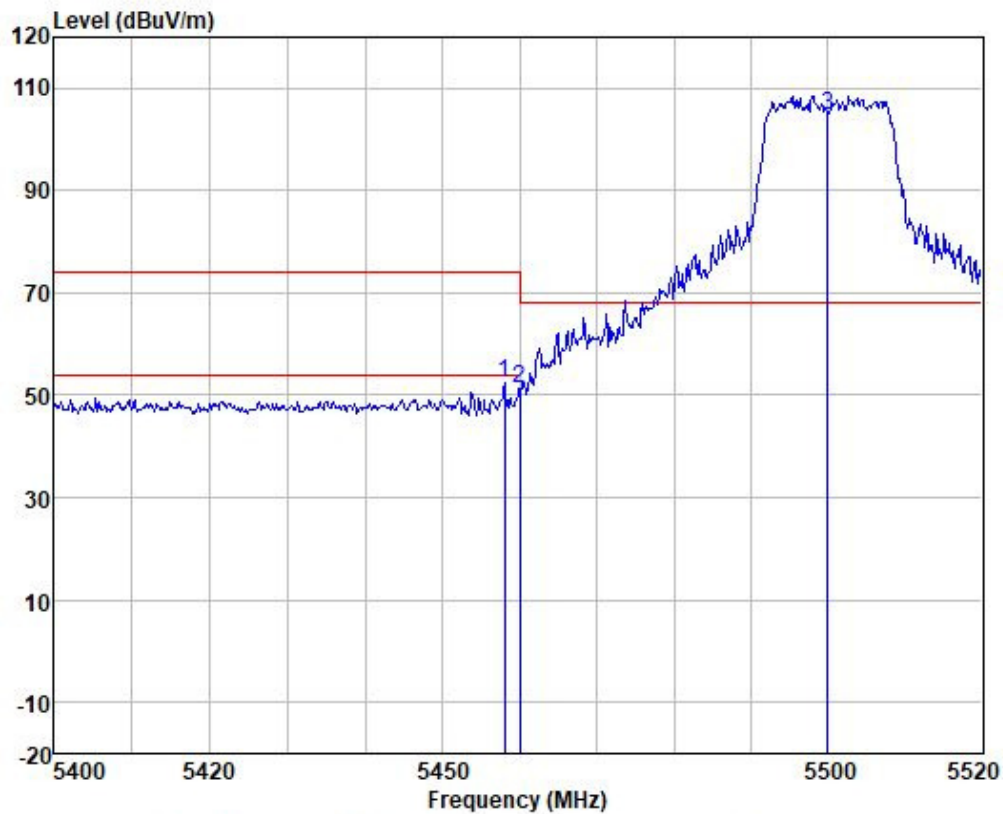
Test Mode: 01; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz



	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5139.800	47.74	33.84	5.94	36.73	50.79	74.00	-23.21	HORIZONTAL	peak
2	5150.000	46.02	33.79	5.95	36.73	49.03	68.20	-19.17	HORIZONTAL	peak
3 *	5290.000	97.38	33.23	6.06	36.75	99.92	68.20	31.72	HORIZONTAL	peak
4	5350.000	43.33	33.00	6.13	36.76	45.70	54.00	-8.30	HORIZONTAL	Average
5	5350.000	61.22	33.00	6.13	36.76	63.59	68.20	-4.61	HORIZONTAL	peak
6	5366.461	40.69	32.95	6.15	36.76	43.03	54.00	-10.97	HORIZONTAL	Average
7	5366.461	58.15	32.95	6.15	36.76	60.49	74.00	-13.51	HORIZONTAL	Peak



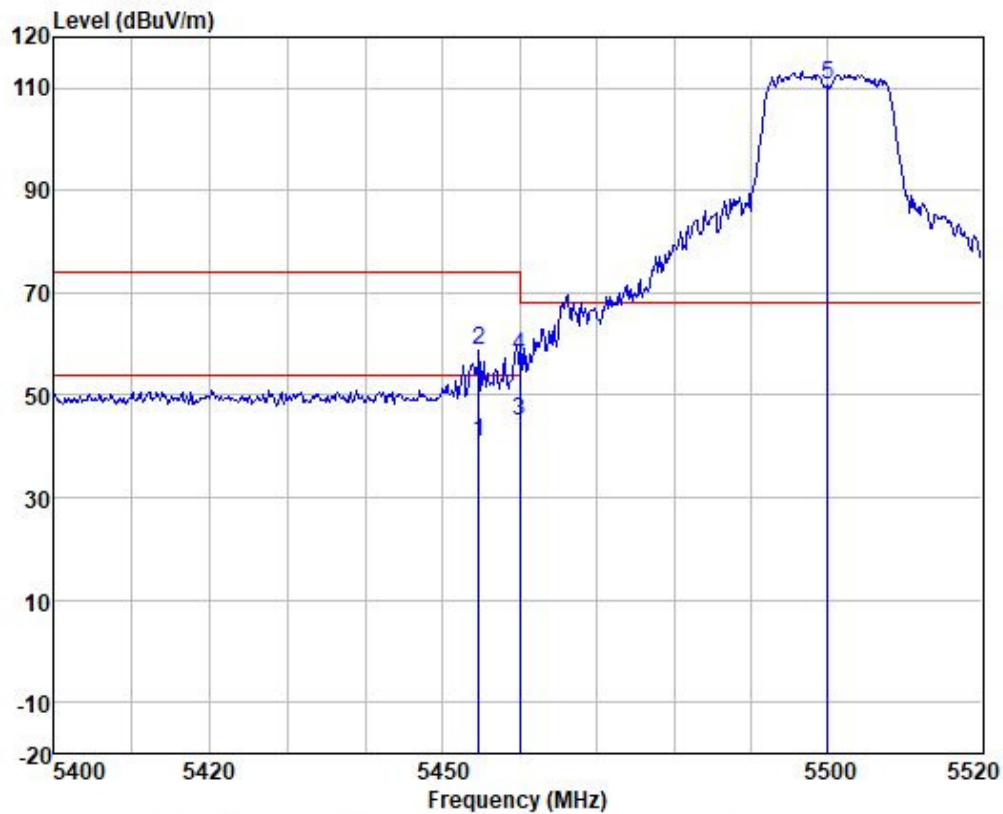
Test Mode: 02; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5457.991	50.35	32.71	6.29	36.76	52.59	74.00	-21.41	VERTICAL
2	5460.000	49.10	32.71	6.29	36.76	51.34	68.20	-16.86	VERTICAL
3 *	5500.000	102.33	32.61	6.38	36.77	104.55	68.20	36.35	VERTICAL



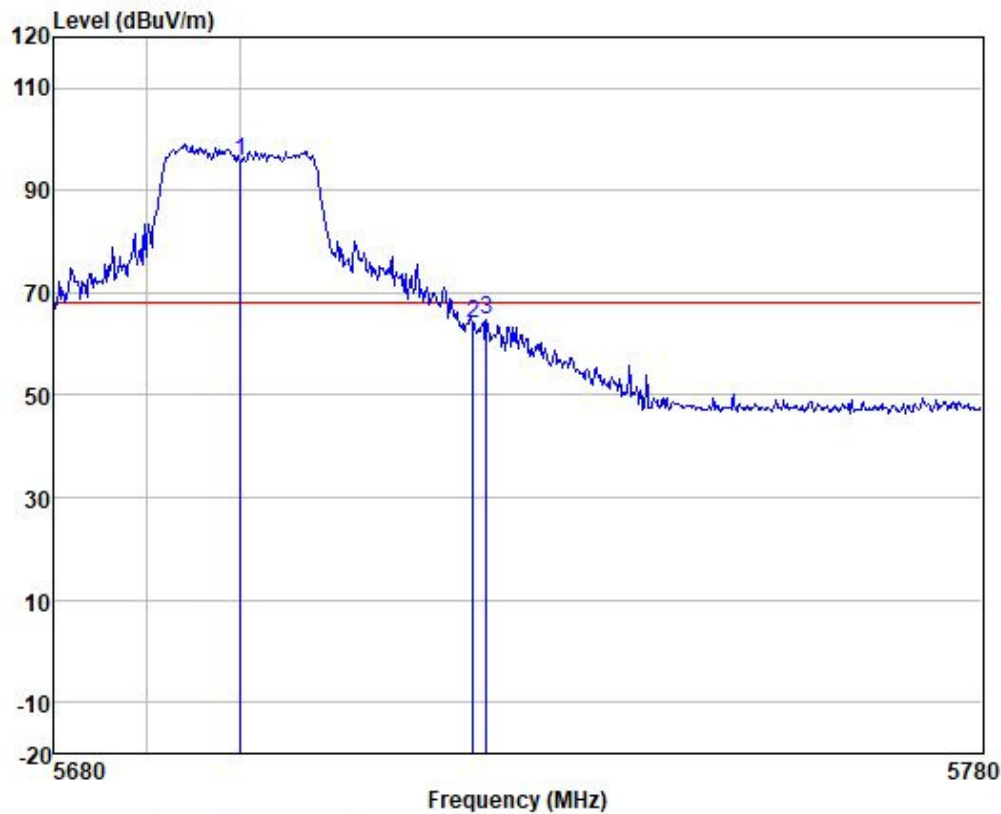
Test Mode: 02; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5454.633	38.44	32.71	6.29	36.76	40.68	54.00	-13.32	HORIZONTAL	Average
2	5454.633	56.68	32.71	6.29	36.76	58.92	74.00	-15.08	HORIZONTAL	Peak
3	5460.000	42.68	32.71	6.29	36.76	44.92	54.00	-9.08	HORIZONTAL	Average
4	5460.000	55.56	32.71	6.29	36.76	57.80	68.20	-10.40	HORIZONTAL	peak
5 *	5500.000	108.39	32.61	6.38	36.77	110.61	68.20	42.41	HORIZONTAL	peak



Test Mode: 02; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 *	5700.000	93.39	32.64	6.60	36.78	95.85	68.20	27.65	VERTICAL
2	5725.000	61.65	32.65	6.63	36.78	64.15	68.20	-4.05	VERTICAL
3	5726.483	62.35	32.65	6.63	36.78	64.85	68.20	-3.35	VERTICAL



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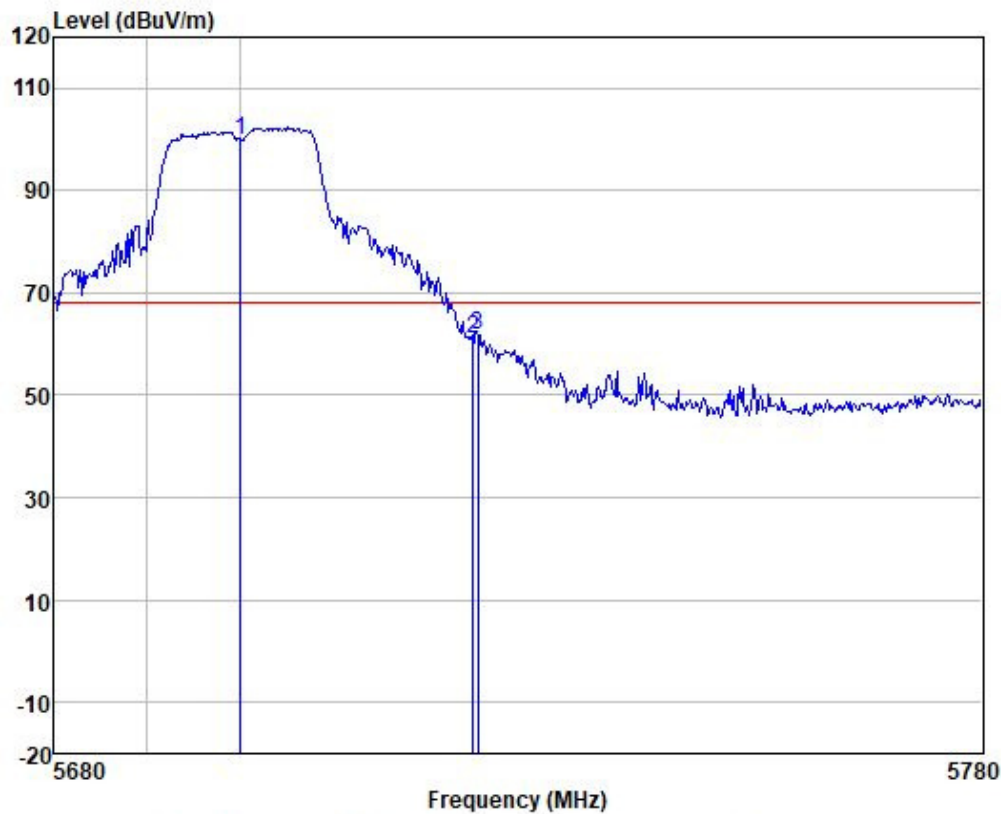
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 *	5700.000	97.48	32.64	6.60	36.78	99.94	68.20	31.74	HORIZONTAL peak
2	5725.000	58.53	32.65	6.63	36.78	61.03	68.20	-7.17	HORIZONTAL peak
3	5725.483	59.37	32.65	6.63	36.78	61.87	68.20	-6.33	HORIZONTAL peak



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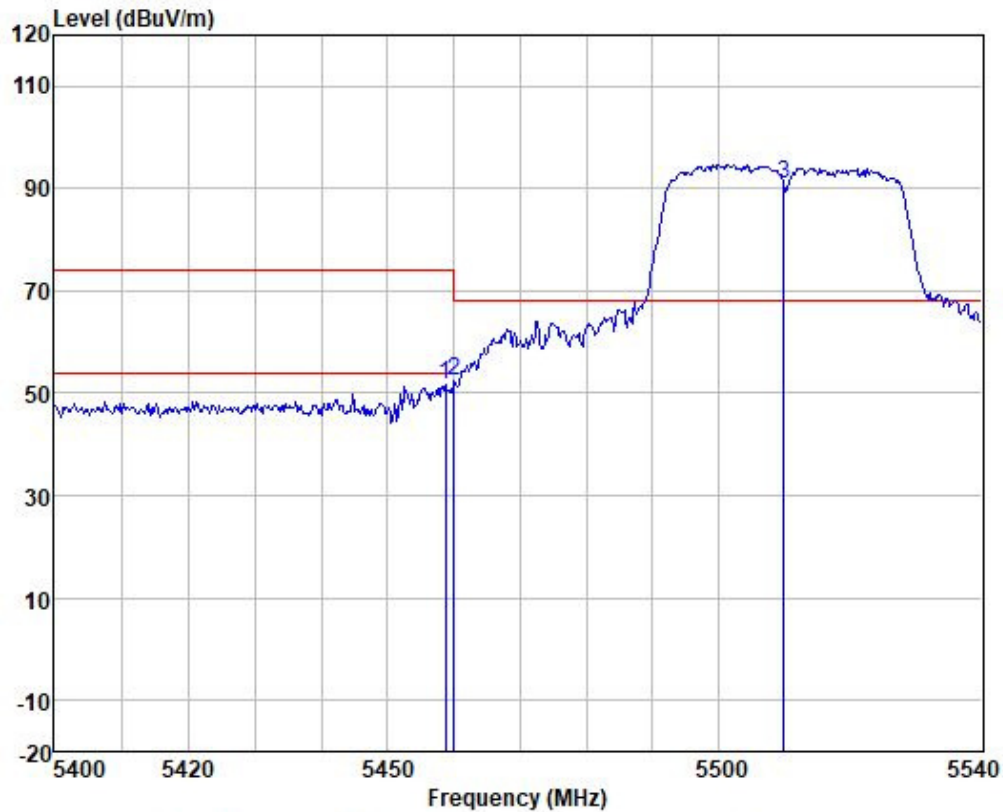
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Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5458.643	49.49	32.71	6.29	36.76	51.73	74.00	-22.27	VERTICAL
2	5460.000	50.01	32.71	6.29	36.76	52.25	68.20	-15.95	VERTICAL
3 *	5510.000	88.60	32.61	6.38	36.77	90.82	68.20	22.62	VERTICAL



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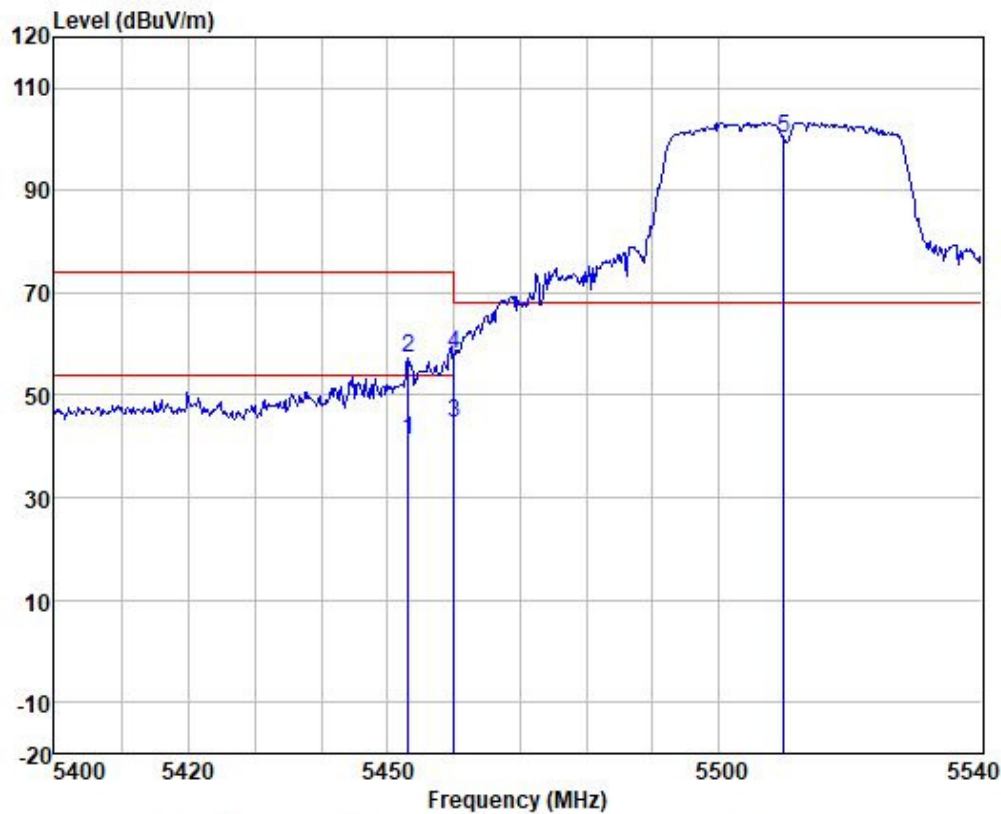
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



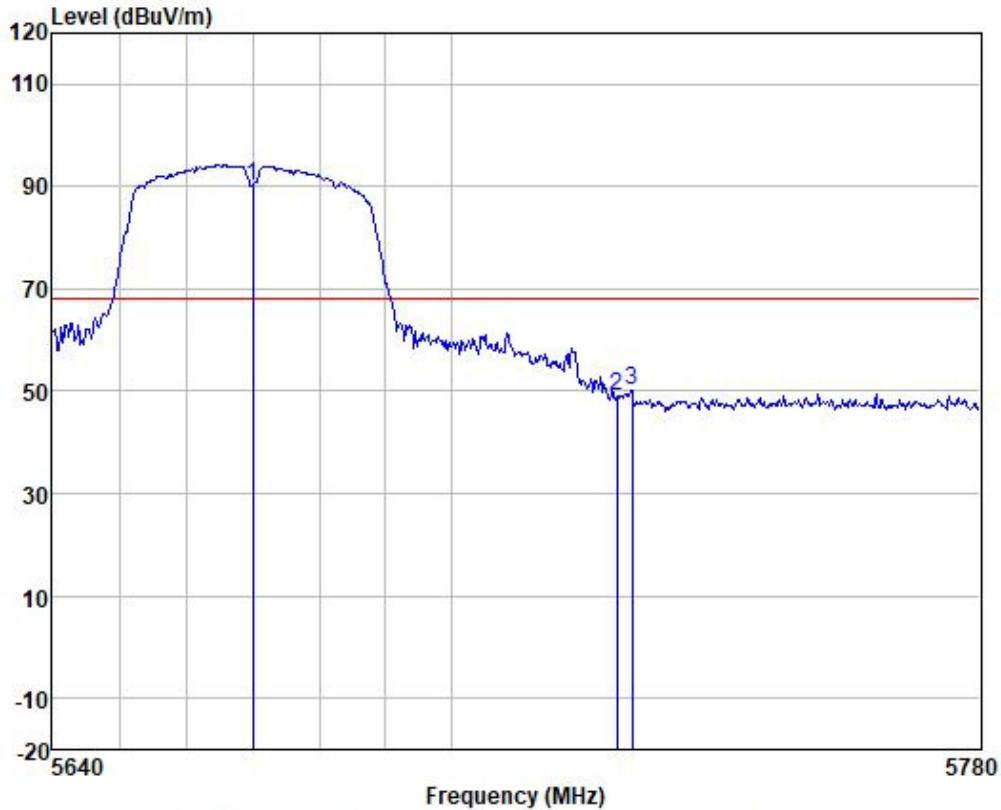
	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5453.058	38.87	32.71	6.29	36.76	41.11	54.00	-12.89	HORIZONTAL Average
2	5453.058	54.94	32.71	6.29	36.76	57.18	74.00	-16.82	HORIZONTAL Peak
3	5460.000	42.24	32.71	6.29	36.76	44.48	54.00	-9.52	HORIZONTAL Average
4	5460.000	55.69	32.71	6.29	36.76	57.93	68.20	-10.27	HORIZONTAL peak
5 *	5510.000	98.01	32.61	6.38	36.77	100.23	68.20	32.03	HORIZONTAL peak



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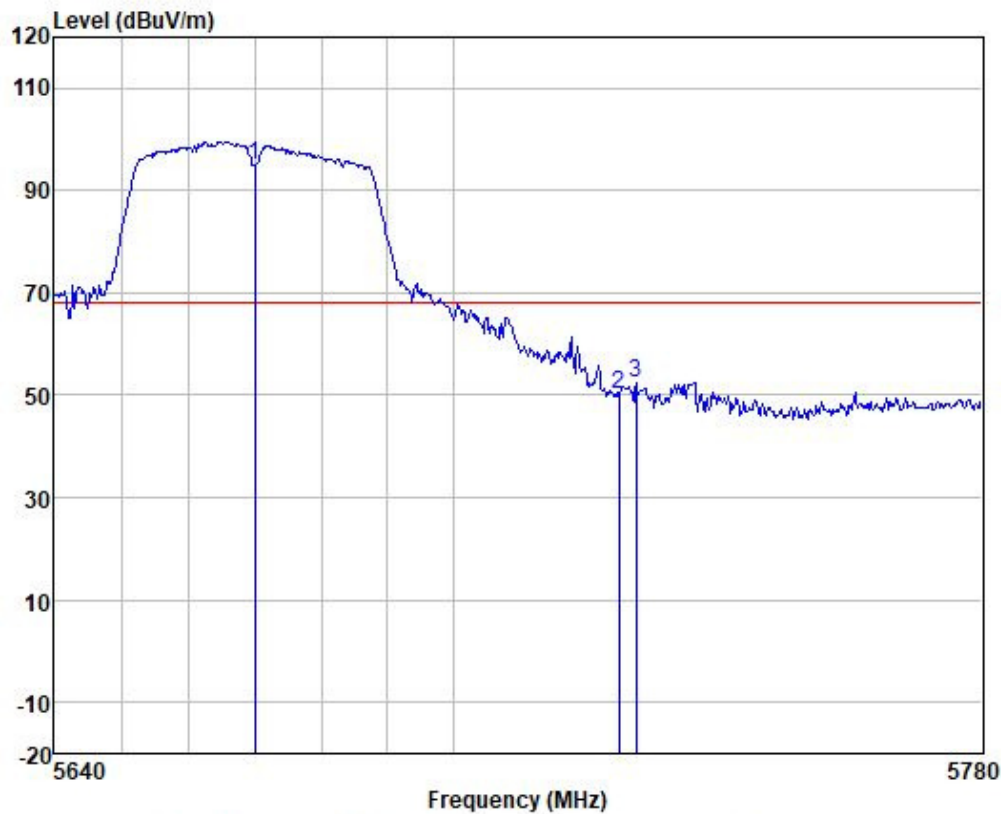
Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 *	5670.000	87.62	32.64	6.57	36.78	90.05	68.20	21.85	VERTICAL
2	5725.000	46.72	32.65	6.63	36.78	49.22	68.20	-18.98	VERTICAL
3	5727.238	47.78	32.65	6.63	36.78	50.28	68.20	-17.92	VERTICAL



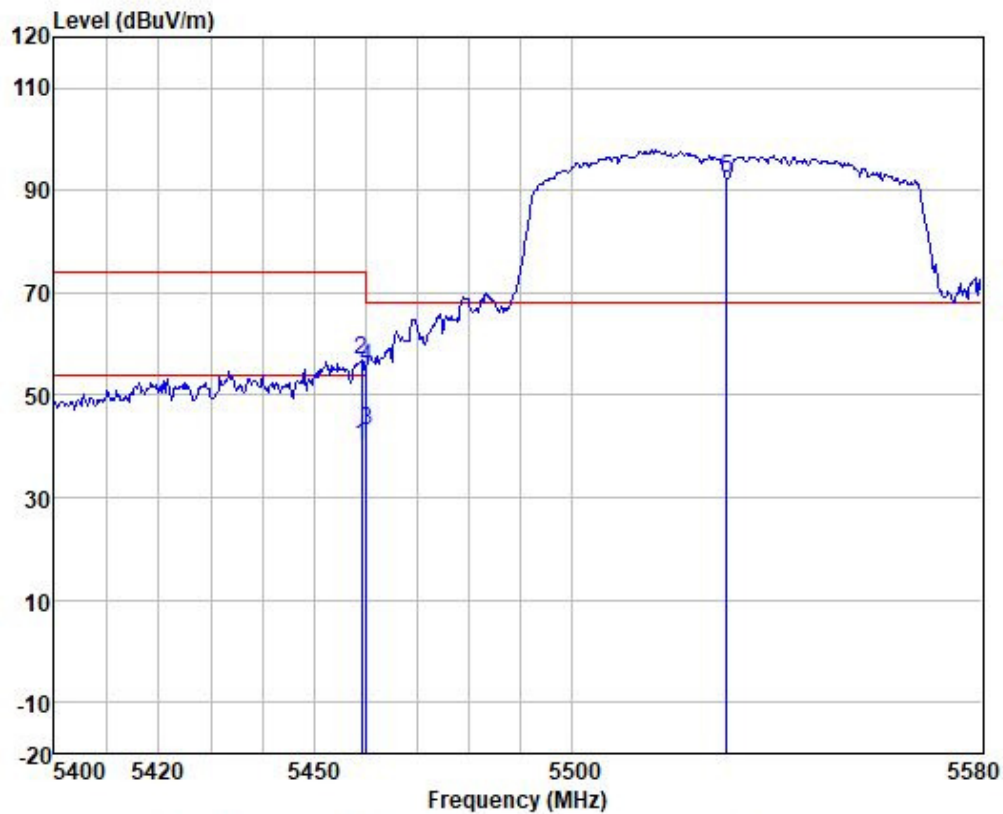
Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 *	5670.000	92.43	32.64	6.57	36.78	94.86	68.20	26.66	HORIZONTAL peak
2	5725.000	47.75	32.65	6.63	36.78	50.25	68.20	-17.95	HORIZONTAL peak
3	5727.519	50.07	32.65	6.63	36.78	52.57	68.20	-15.63	HORIZONTAL peak



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



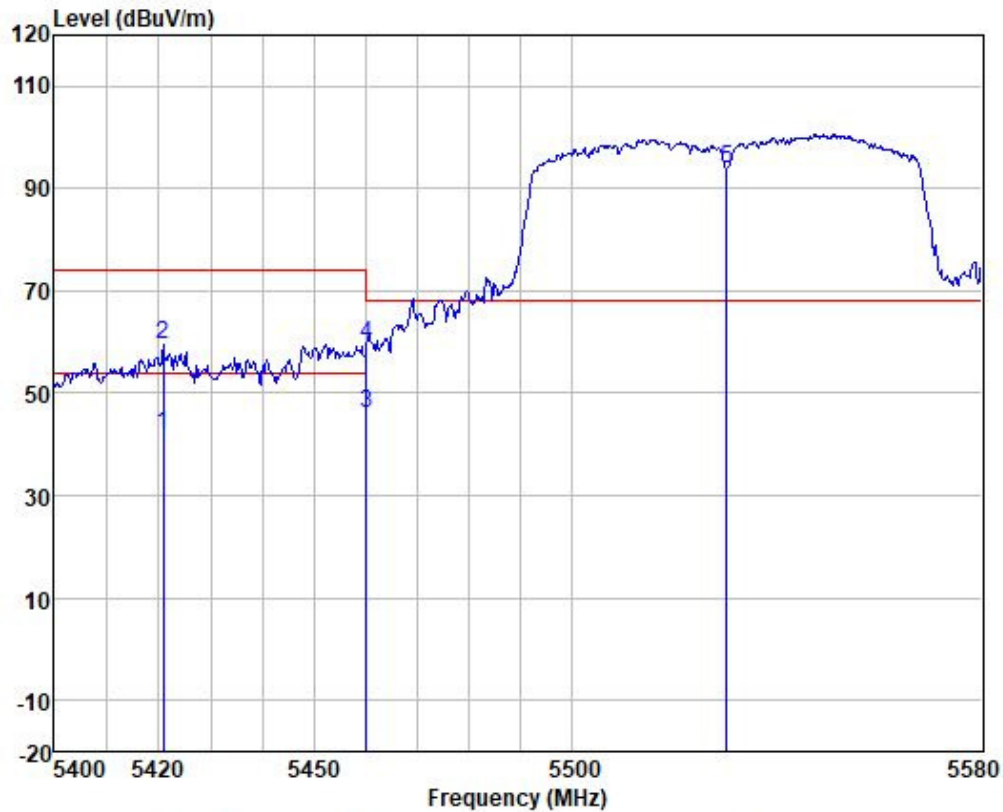
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5459.107	37.82	32.71	6.29	36.76	40.06	54.00	-13.94	VERTICAL	Average
2	5459.107	54.63	32.71	6.29	36.76	56.87	74.00	-17.13	VERTICAL	peak
3	5460.000	40.94	32.71	6.29	36.76	43.18	54.00	-10.82	VERTICAL	Average
4	5460.000	53.27	32.71	6.29	36.76	55.51	68.20	-12.69	VERTICAL	peak
5 *	5530.000	89.95	32.61	6.43	36.77	92.22	68.20	24.02	VERTICAL	peak



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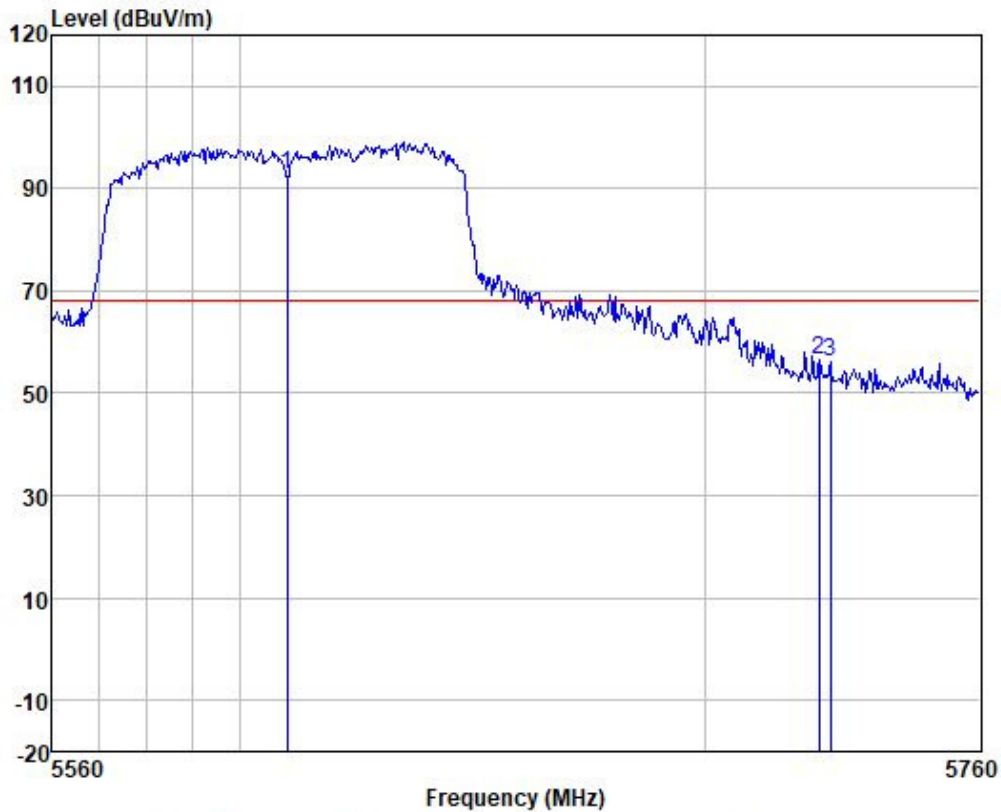
Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5420.934	39.78	32.78	6.23	36.76	42.03	54.00	-11.97	HORIZONTAL	Average
2	5420.934	57.28	32.78	6.23	36.76	59.53	74.00	-14.47	HORIZONTAL	peak
3	5460.000	43.89	32.71	6.29	36.76	46.13	54.00	-7.87	HORIZONTAL	Average
4	5460.000	57.14	32.71	6.29	36.76	59.38	68.20	-8.82	HORIZONTAL	peak
5 *	5530.000	91.72	32.61	6.43	36.77	93.99	68.20	25.79	HORIZONTAL	peak



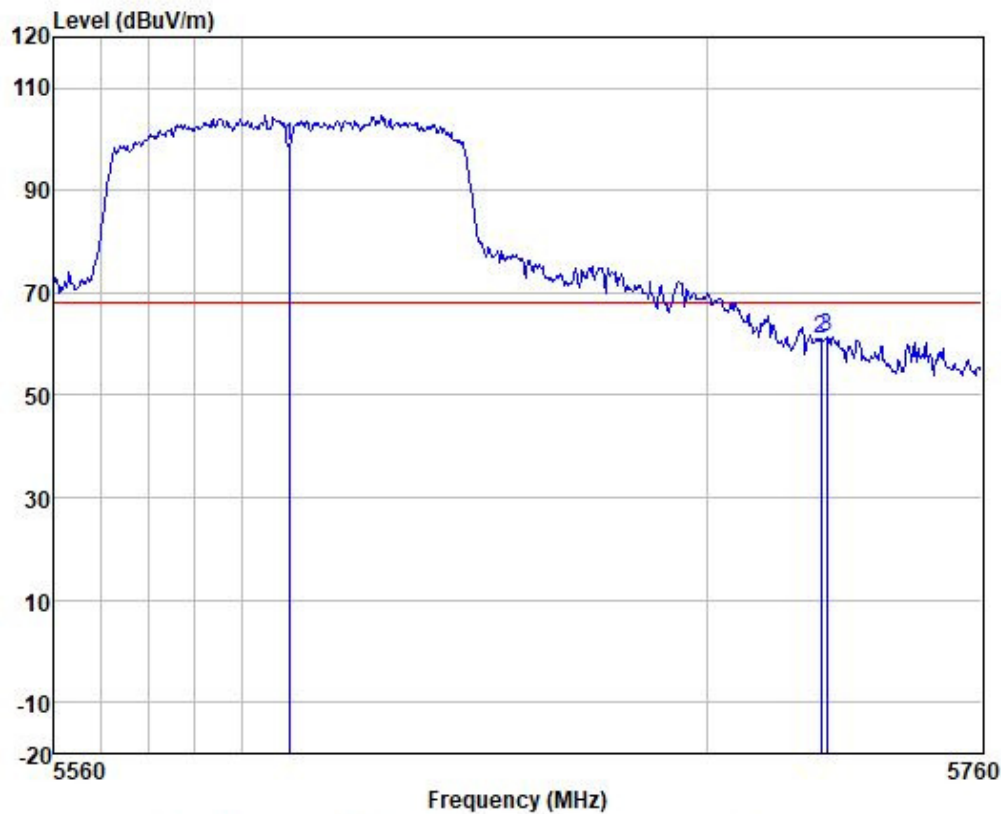
Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



	Freq	ReadAntenna	Cable	Preamp	Limit	Over			
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 *	5610.000	90.41	32.63	6.53	36.78	92.79	68.20	24.59	VERTICAL peak
2	5725.000	54.06	32.65	6.63	36.78	56.56	68.20	-11.64	VERTICAL peak
3	5727.523	53.53	32.65	6.63	36.78	56.03	68.20	-12.17	VERTICAL peak



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



	Freq	ReadAntenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1 *	5610.000	96.46	32.63	6.53	36.78	98.84	68.20	30.64 HORIZONTAL
2	5725.000	58.53	32.65	6.63	36.78	61.03	68.20	-7.17 HORIZONTAL
3	5726.309	58.81	32.65	6.63	36.78	61.31	68.20	-6.89 HORIZONTAL



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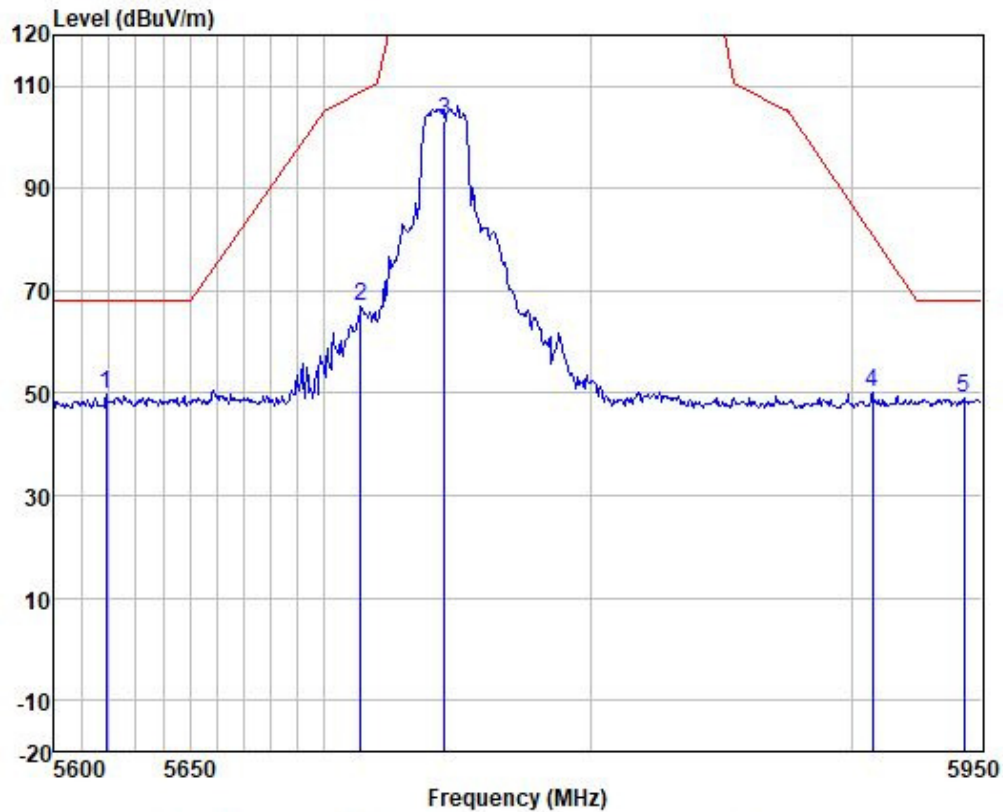
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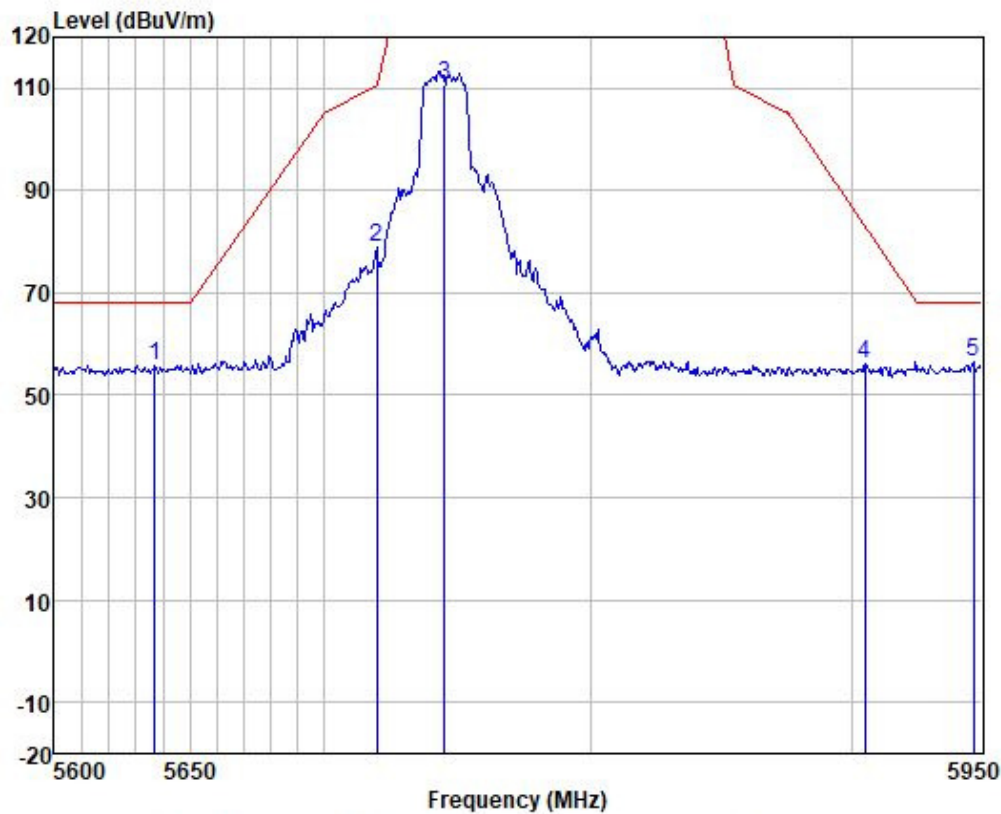
Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



	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	
5619.044	47.40	32.63	6.53	36.78	49.78	68.20	-18.42	VERTICAL	peak
5713.509	64.39	32.65	6.61	36.78	66.87	108.98	-42.11	VERTICAL	peak
5745.000	100.73	32.65	6.64	36.79	103.23	125.20	-21.97	VERTICAL	peak
5907.945	47.63	32.69	6.74	36.79	50.27	80.81	-30.54	VERTICAL	peak
5943.511	46.44	32.69	6.76	36.80	49.09	68.20	-19.11	VERTICAL	peak



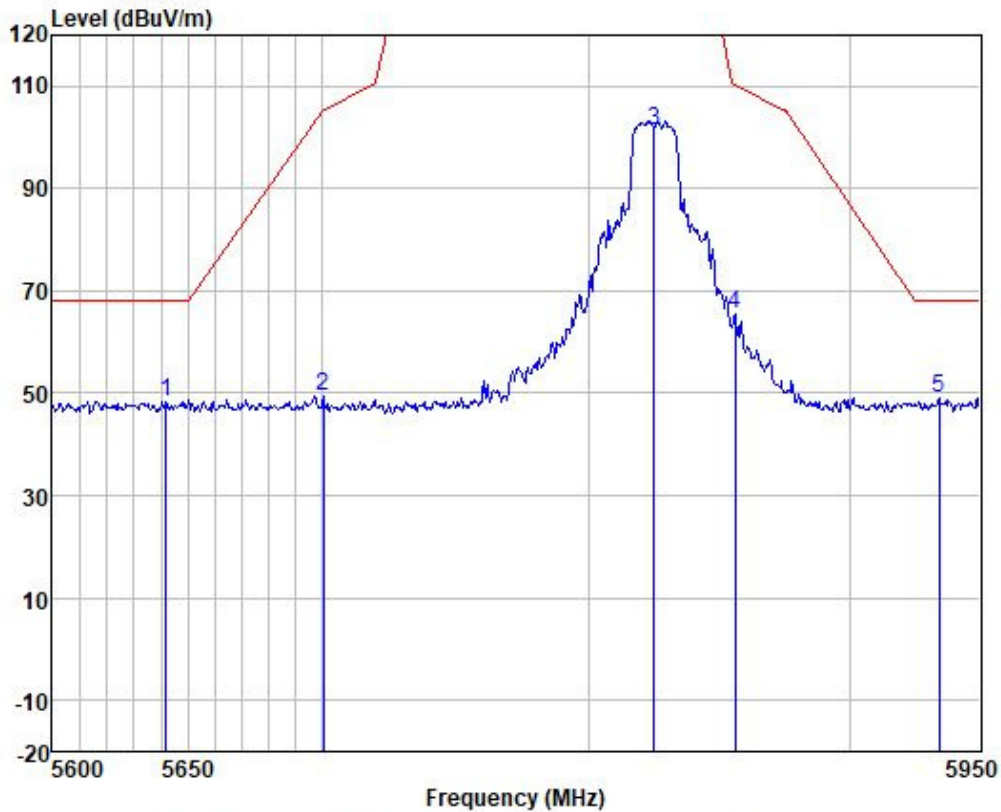
Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5637.128	53.58	32.63	6.54	36.78	55.97	68.20	-12.23	HORIZONTAL peak
2	5719.400	76.46	32.65	6.61	36.78	78.94	110.63	-31.69	HORIZONTAL peak
3	5745.000	108.13	32.65	6.64	36.79	110.63	125.20	-14.57	HORIZONTAL peak
4	5905.081	53.71	32.69	6.73	36.79	56.34	82.93	-26.59	HORIZONTAL peak
5	5947.115	53.76	32.69	6.76	36.80	56.41	68.20	-11.79	HORIZONTAL peak



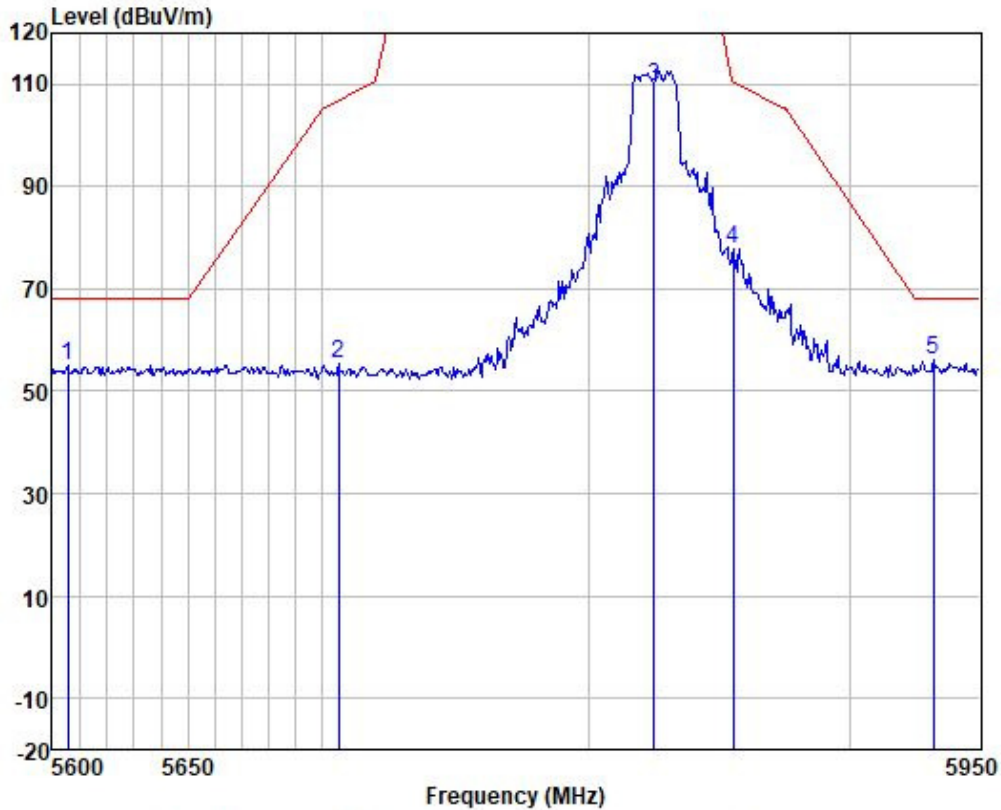
Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark	
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5641.915	46.03	32.63	6.56	36.78	48.44	68.20	-19.76	VERTICAL	peak
2	5700.362	46.86	32.64	6.60	36.78	49.32	105.30	-55.98	VERTICAL	peak
3	5825.000	98.93	32.67	6.69	36.79	101.50	125.20	-23.70	VERTICAL	peak
4	5855.884	62.93	32.68	6.70	36.79	65.52	110.55	-45.03	VERTICAL	peak
5	5934.509	46.25	32.69	6.75	36.80	48.89	68.20	-19.31	VERTICAL	peak



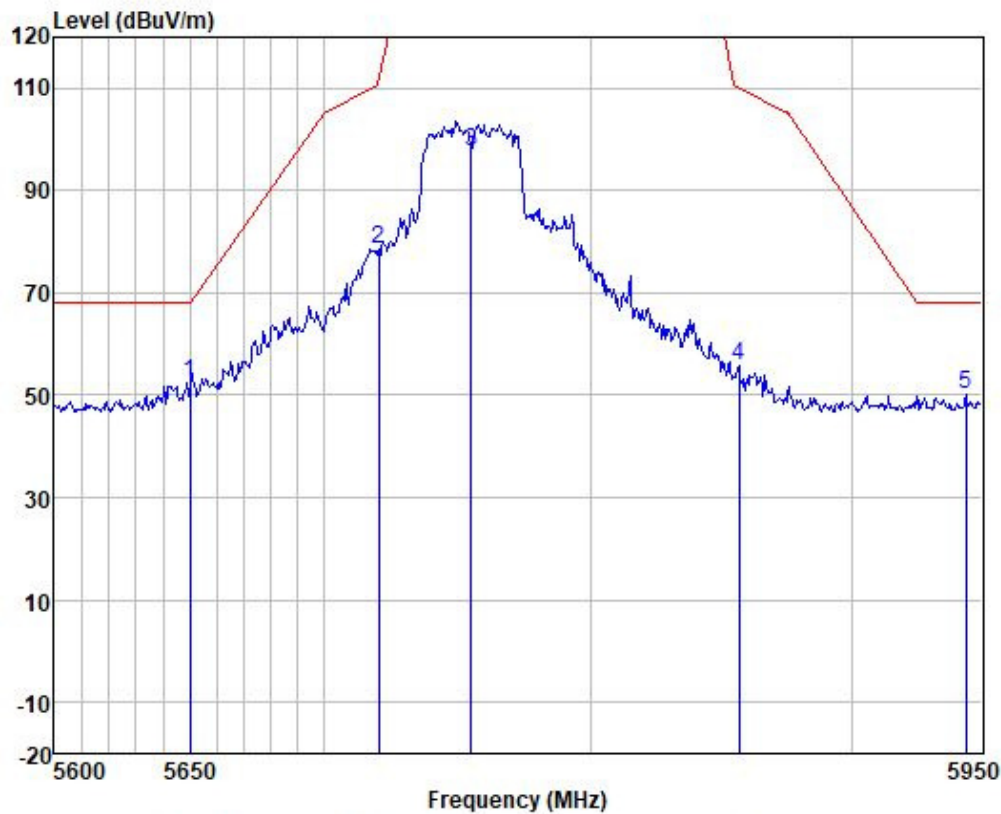
Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
5605.774	52.82	32.62	6.51	36.78	55.17	68.20	-13.03	HORIZONTAL	peak
5705.894	53.05	32.65	6.61	36.78	55.53	106.85	-51.32	HORIZONTAL	peak
5825.000	107.08	32.67	6.69	36.79	109.65	125.20	-15.55	HORIZONTAL	peak
5855.174	75.40	32.68	6.70	36.79	77.99	110.75	-32.76	HORIZONTAL	peak
5932.351	53.51	32.69	6.75	36.80	56.15	68.20	-12.05	HORIZONTAL	peak



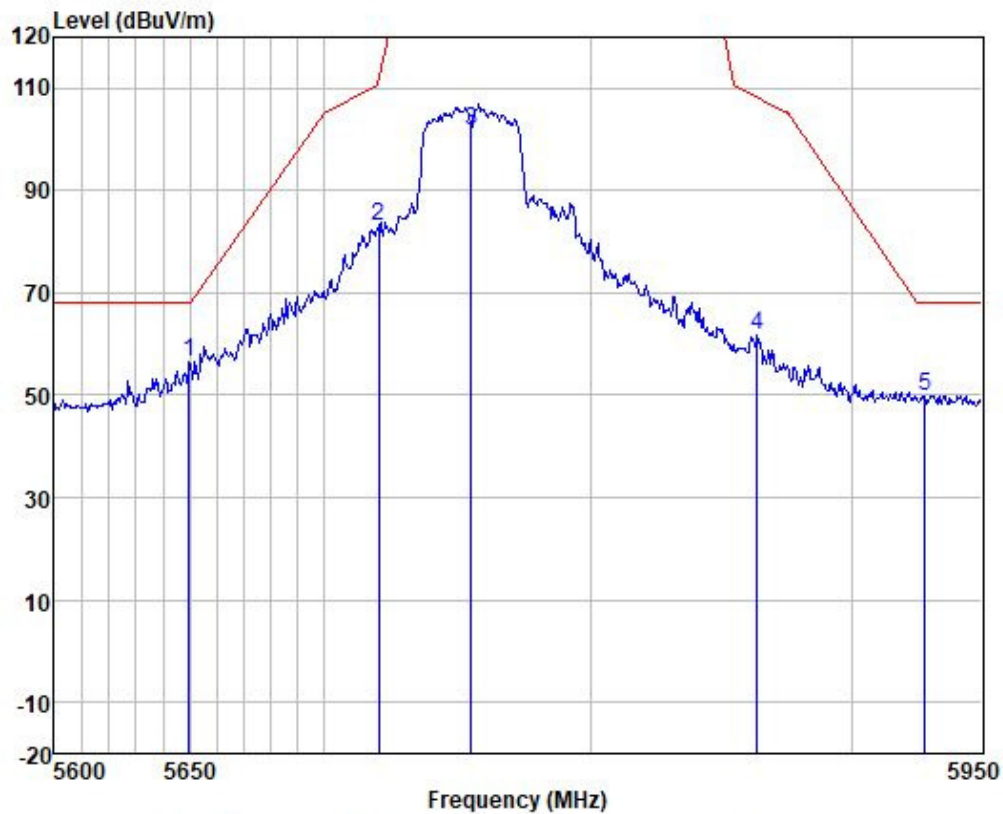
Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
5650.129	49.99	32.63	6.56	36.78	52.40	68.30	-15.90	VERTICAL	peak
5720.094	76.03	32.65	6.61	36.78	78.51	111.01	-32.50	VERTICAL	peak
5755.000	95.21	32.65	6.64	36.79	97.71	125.20	-27.49	VERTICAL	peak
5856.594	53.02	32.68	6.71	36.79	55.62	110.35	-54.73	VERTICAL	peak
5944.231	47.38	32.69	6.76	36.80	50.03	68.20	-18.17	VERTICAL	peak



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



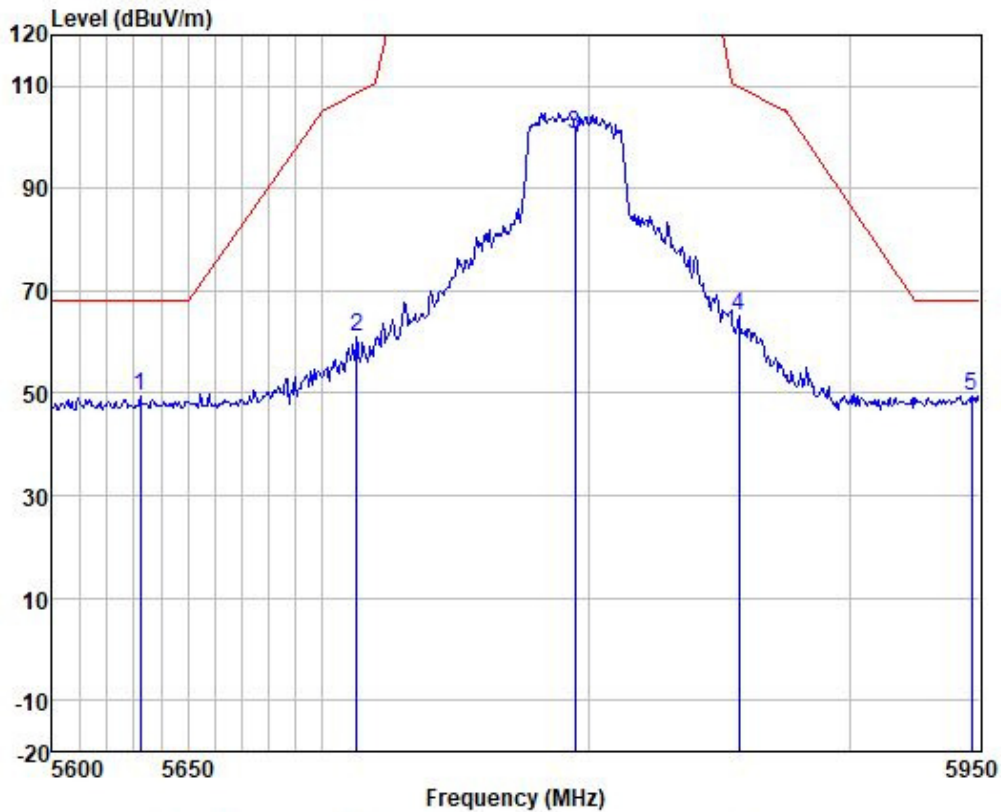
	Freq	ReadAntenna		Cable	Preamp		Limit	Over		
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
	5649.787	54.27	32.63	6.56	36.78	56.68	68.20	-11.52	HORIZONTAL	peak
	5720.094	80.65	32.65	6.61	36.78	83.13	111.01	-27.88	HORIZONTAL	peak
	5755.000	99.24	32.65	6.64	36.79	101.74	125.20	-23.46	HORIZONTAL	peak
	5863.699	59.31	32.68	6.71	36.79	61.91	108.36	-46.45	HORIZONTAL	peak
	5928.396	47.28	32.69	6.75	36.80	49.92	68.20	-18.28	HORIZONTAL	peak



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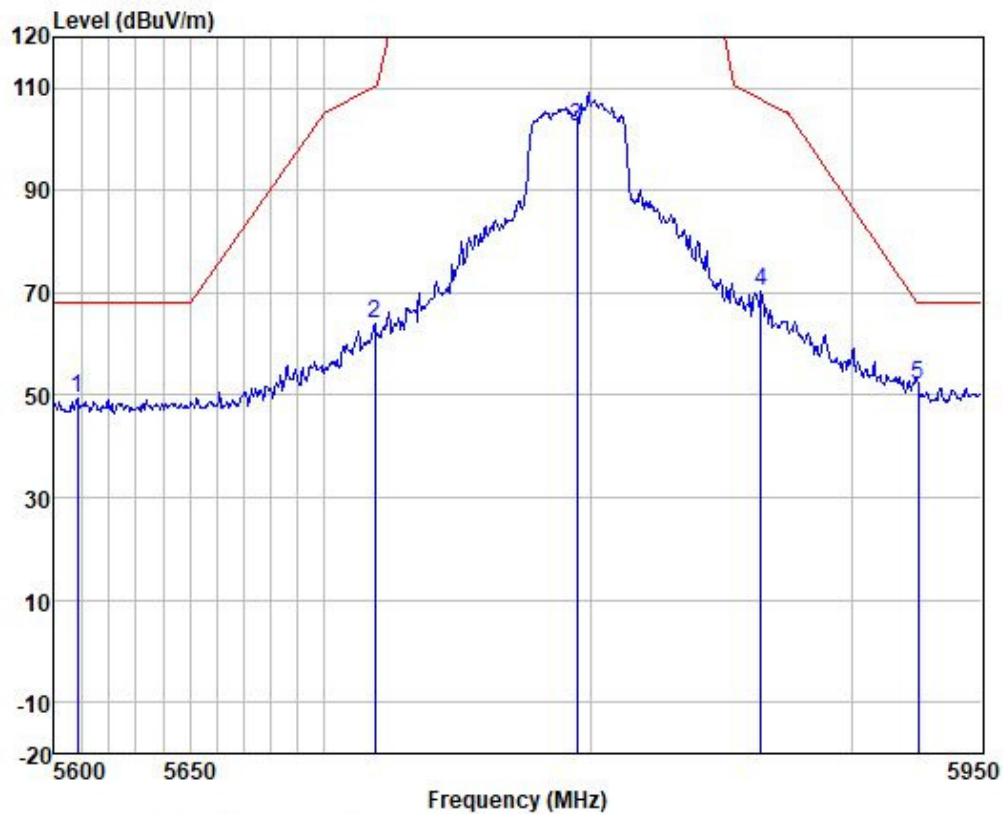
Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark	
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5632.345	47.02	32.63	6.54	36.78	49.41	68.20	-18.79	VERTICAL	peak
2	5712.816	58.47	32.65	6.61	36.78	60.95	108.79	-47.84	VERTICAL	peak
3	5795.000	98.20	32.67	6.67	36.79	100.75	125.20	-24.45	VERTICAL	peak
4	5857.304	62.39	32.68	6.71	36.79	64.99	110.15	-45.16	VERTICAL	peak
5	5947.115	46.93	32.69	6.76	36.80	49.58	68.20	-18.62	VERTICAL	peak



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



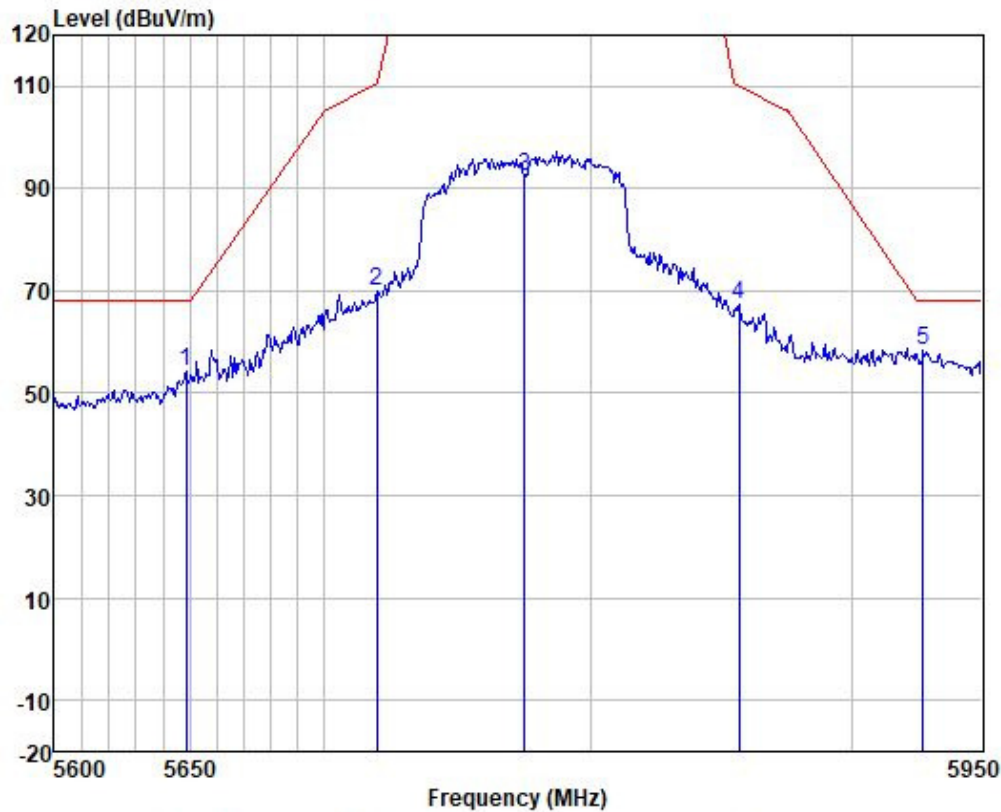
	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
5608.494	47.14	32.63	6.53	36.78	49.52	68.20	-18.68	HORIZONTAL	peak	
5718.707	61.66	32.65	6.61	36.78	64.14	110.44	-46.30	HORIZONTAL	peak	
5795.000	99.99	32.67	6.67	36.79	102.54	125.20	-22.66	HORIZONTAL	peak	
5865.122	67.84	32.68	6.71	36.79	70.44	107.96	-37.52	HORIZONTAL	peak	
5925.881	49.41	32.69	6.75	36.80	52.05	68.20	-16.15	HORIZONTAL	peak	



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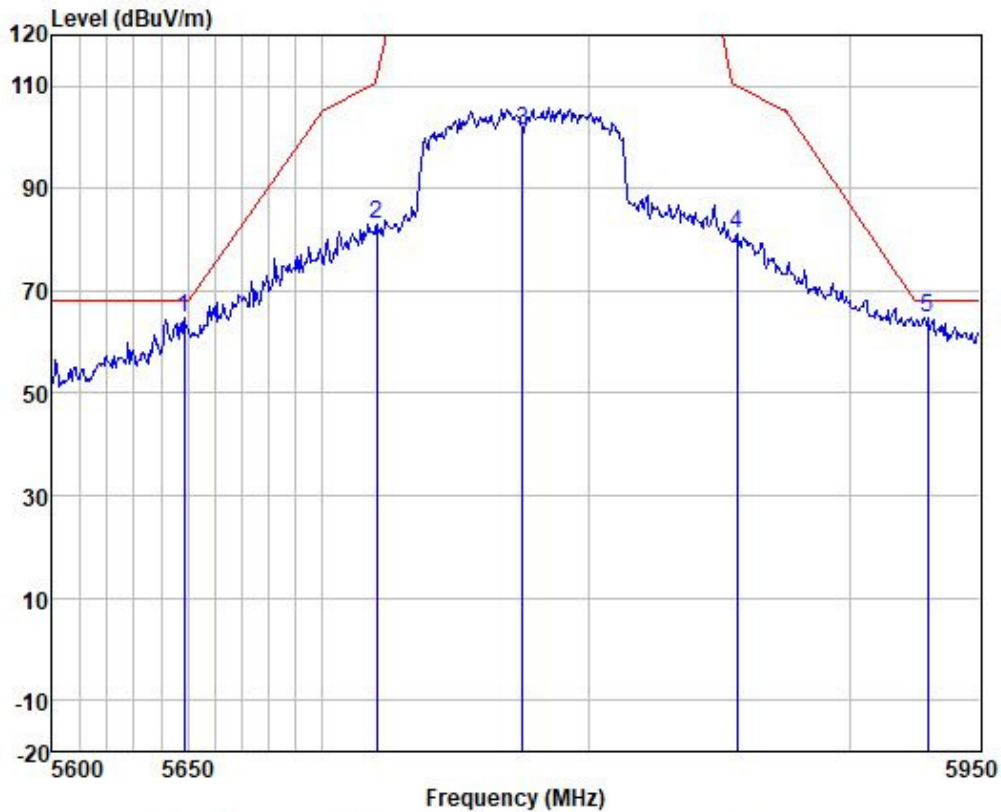
Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz



	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	5648.417	52.07	32.63	6.56	36.78	54.48	68.20	-13.72	VERTICAL
2	5719.400	67.57	32.65	6.61	36.78	70.05	110.63	-40.58	VERTICAL
3	5775.000	90.00	32.66	6.66	36.79	92.53	125.20	-32.67	VERTICAL
4	5856.594	64.82	32.68	6.71	36.79	67.42	110.35	-42.93	VERTICAL
5	5927.678	55.72	32.69	6.75	36.80	58.36	68.20	-9.84	VERTICAL



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



	Freq	ReadAntenna		Cable	Preamp		Limit	Over		
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5648.417	62.46	32.63	6.56	36.78	64.87	68.20	-3.33	HORIZONTAL	peak
2	5720.094	80.70	32.65	6.61	36.78	83.18	111.01	-27.83	HORIZONTAL	peak
3	5775.000	98.89	32.66	6.66	36.79	101.42	125.20	-23.78	HORIZONTAL	peak
4	5856.594	78.72	32.68	6.71	36.79	81.32	110.35	-29.03	HORIZONTAL	peak
5	5930.194	62.12	32.69	6.75	36.80	64.76	68.20	-3.44	HORIZONTAL	peak



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7.6 Duty Cycle

Test Requirement KDB 789033 D02 II B 1

Test Method: KDB 789033 II B 1

7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 21.1 °C

Humidity: 53.0 % RH

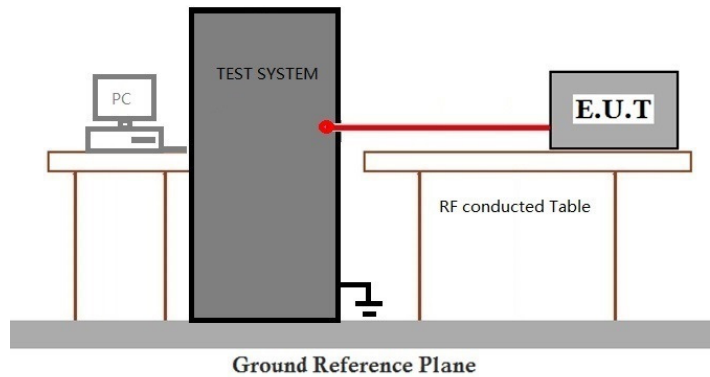
Atmospheric Pressure: 1003 mbar

7.6.2 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/ac/ax 20/40/80, 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/ac/ax 20/40/80, 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/ac/ax 20/40/80, 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/ac/ax 20/40/80, Only the data of worst case is recorded in the report.



7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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7.7 99% Bandwidth

Test Requirement N/A
Test Method: KDB 789033 II D

7.7.1 E.U.T. Operation

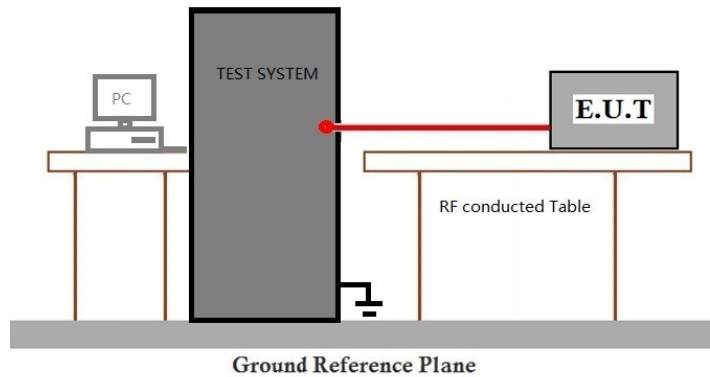
Operating Environment:
Temperature: 21.1 °C Humidity: 53.0 % RH Atmospheric Pressure: 1003 mbar

7.7.2 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/ac/ax 20/40/80, 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/ac/ax 20/40/80, 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/ac/ax 20/40/80, 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/ac/ax 20/40/80, Only the data of worst case is recorded in the report.



7.7.3 Test Setup Diagram



7.7.4 Measurement Procedure and Data

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7.8 26dB Emission bandwidth

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)

Test Method: KDB 789033 D02 II C 1

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 21.1 °C

Humidity: 53.0 % RH

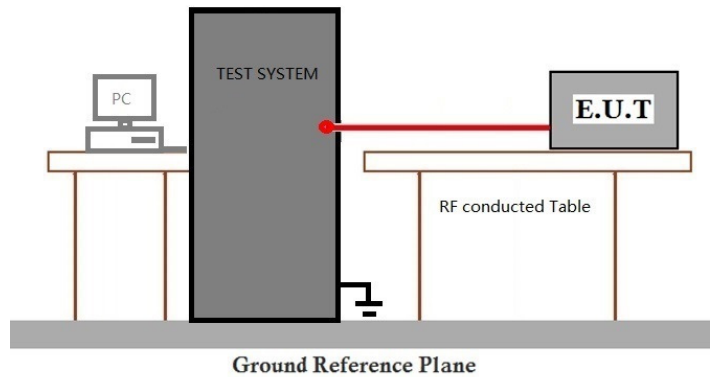
Atmospheric Pressure: 1003 mbar

7.8.2 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/ac/ax 20/40/80, 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/ac/ax 20/40/80, 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/ac/ax 20/40/80, 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/ac/ax 20/40/80, Only the data of worst case is recorded in the report.



7.8.3 Test Setup Diagram



7.8.4 Measurement Procedure and Data

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7.9 Minimum 6 dB bandwidth (5.725-5.85 GHz band)

Test Requirement 47 CFR Part 15, Subpart E 15.407 (e)

Test Method: KDB 789033 D02 II C 2

Limit:

Frequency band(MHz)	Limit
5725-5850	≥500 kHz

7.9.1 E.U.T. Operation

Operating Environment:

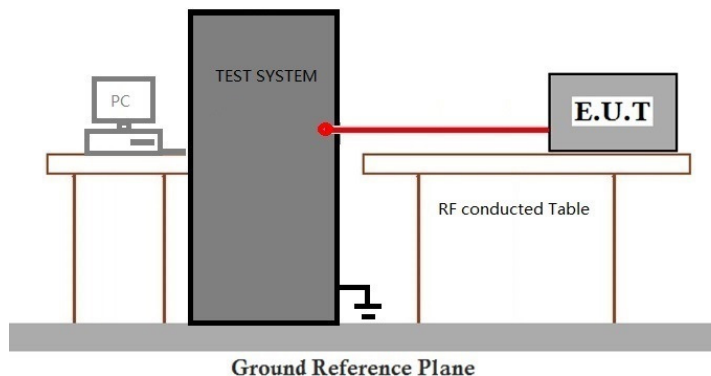
Temperature: 21.1 °C Humidity: 53.0 % RH Atmospheric Pressure: 1003 mbar

7.9.2 Test Mode Description

Pre-scan / Mode
Final test Code Description

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/ac/ax 20/40/80, Only the data of worst case is recorded in the report.

7.9.3 Test Setup Diagram



7.9.4 Measurement Procedure and Data

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7.10 Peak Power spectrum density

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)

Test Method: KDB 789033 D02 II F

Limit:

Frequency band(MHz)	Limit
5150-5250	≤17dBm in 1MHz for master device
	≤11dBm in 1MHz for client device
5250-5350	≤11dBm in 1MHz for client device
5470-5725	≤11dBm in 1MHz for client device
5725-5850	≤30dBm in 500 kHz
Remark:	The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test.

7.10.1 E.U.T. Operation

Operating Environment:

Temperature: 21.1 °C

Humidity: 53.0 % RH

Atmospheric Pressure: 1003 mbar

7.10.2 Test Mode Description

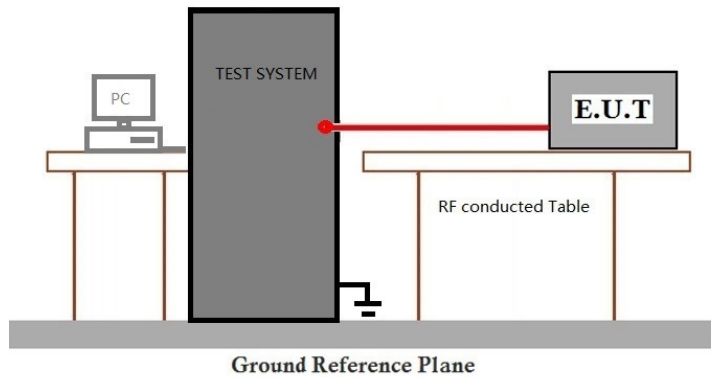
Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, 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/ac/ax 20/40/80, 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/ac/ax 20/40/80, 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/ac/ax 20/40/80, Only the data of worst case is recorded in the report.



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7.10.3 Test Setup Diagram



7.10.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.11 Frequency Stability

Test Requirement 47 CFR Part 15, Subpart E 15.407 (g)

Test Method: ANSI C63.10 (2013) Section 6.8

7.11.1 E.U.T. Operation

Operating Environment:

Temperature: 21.1 °C

Humidity: 53.0 % RH

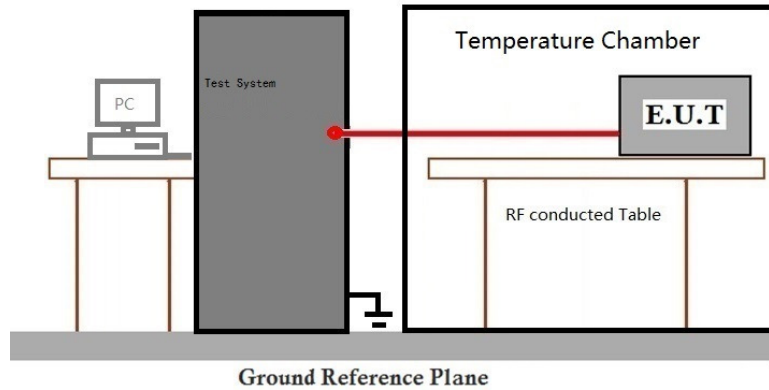
Atmospheric Pressure: 1003 mbar

7.11.2 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/ac/ax 20/40/80, 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/ac/ax 20/40/80, 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/ac/ax 20/40/80, 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/ac/ax 20/40/80, Only the data of worst case is recorded in the report.



7.11.3 Test Setup Diagram



7.11.4 Measurement Procedure and Data

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8 Test Setup Photo

Refer to Appendix - Test Setup Photo for GZCR240600064504



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9 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for GZCR2406000645HS



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