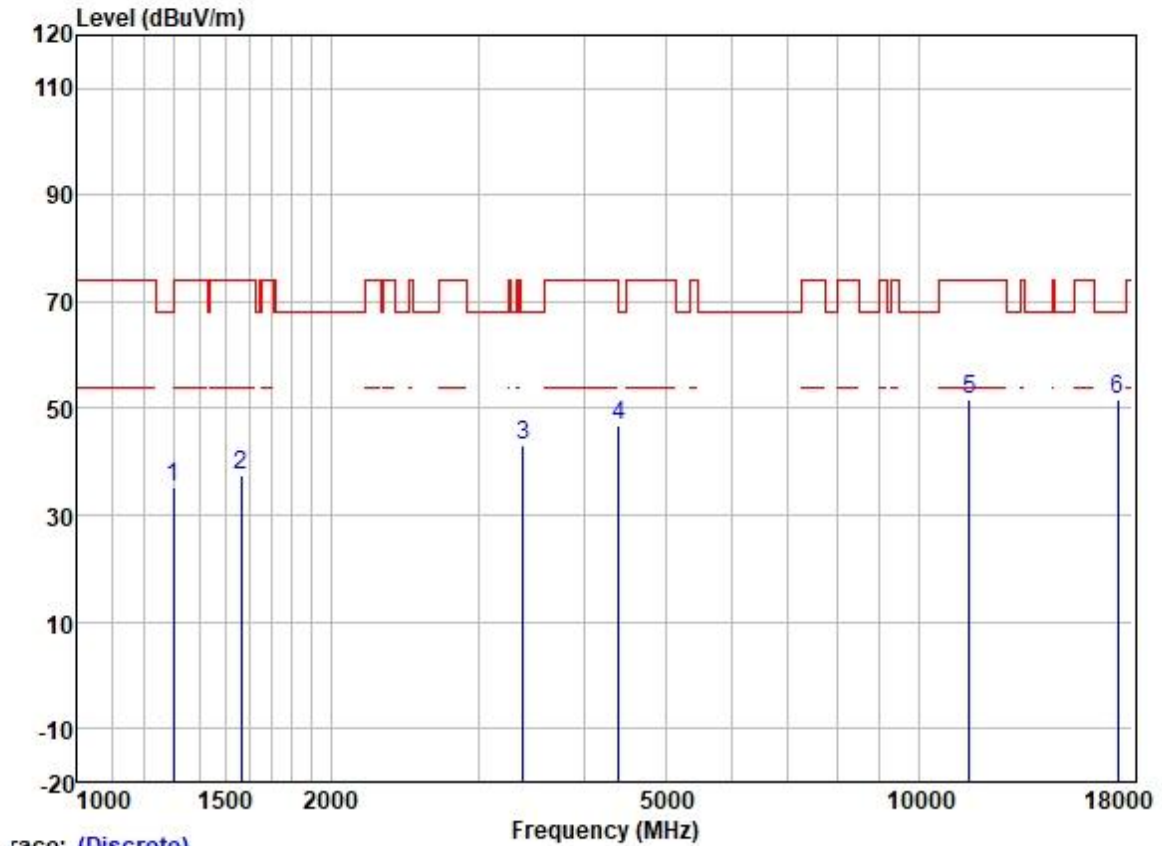
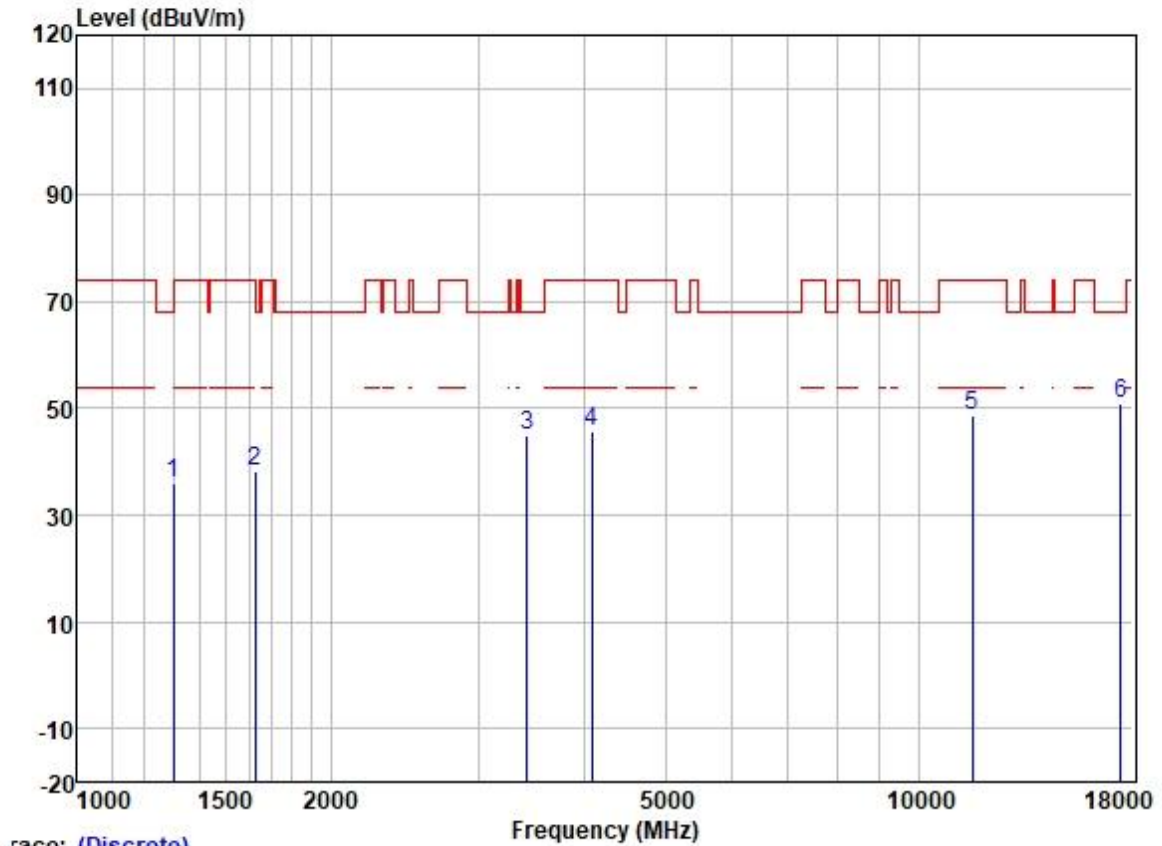


Test Mode: 09; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dB		
1	1300.858	45.61	25.20	2.60	38.31	35.10	74.00	-38.90	VERTICAL Peak
2	1565.191	47.10	25.55	2.80	38.00	37.45	74.00	-36.55	VERTICAL Peak
3	3386.297	47.30	28.83	4.10	36.99	43.24	68.20	-24.96	VERTICAL Peak
4	4405.090	48.26	30.68	4.70	36.81	46.83	68.20	-21.37	VERTICAL Peak
5	11510.000	40.66	39.90	8.41	37.15	51.82	74.00	-22.18	VERTICAL Peak
6	17265.000	33.74	43.21	10.24	35.33	51.86	68.20	-16.34	VERTICAL Peak

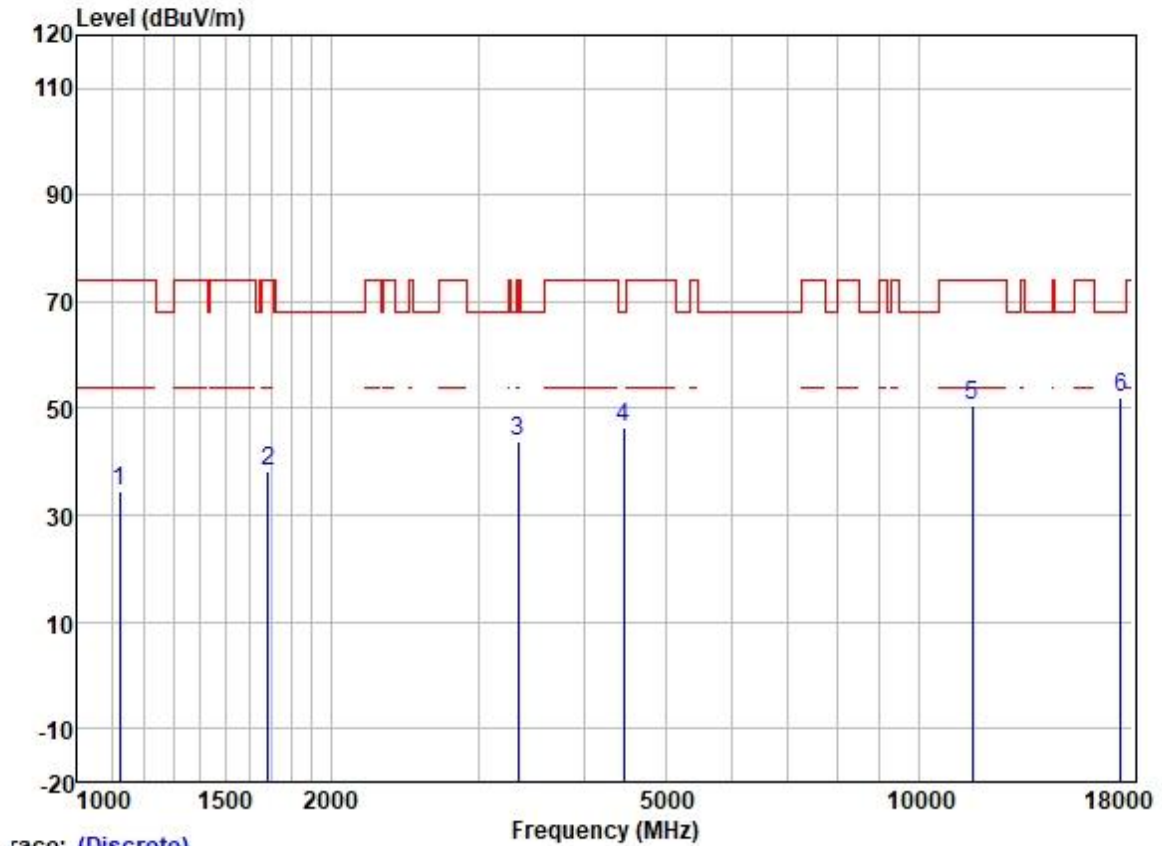
Test Mode: 09; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Trace: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1300.858	46.56	25.20	2.60	38.31	36.05	74.00	-37.95	HORIZONTAL	Peak
2	1625.121	47.62	25.61	2.80	37.95	38.08	74.00	-35.92	HORIZONTAL	Peak
3	3425.675	48.90	28.86	4.15	36.97	44.94	68.20	-23.26	HORIZONTAL	Peak
4	4086.182	47.88	29.92	4.60	36.80	45.60	74.00	-28.40	HORIZONTAL	Peak
5	11590.000	37.64	39.72	8.37	37.14	48.59	74.00	-25.41	HORIZONTAL	Peak
6	17385.000	32.04	43.57	10.53	35.32	50.82	68.20	-17.38	HORIZONTAL	Peak

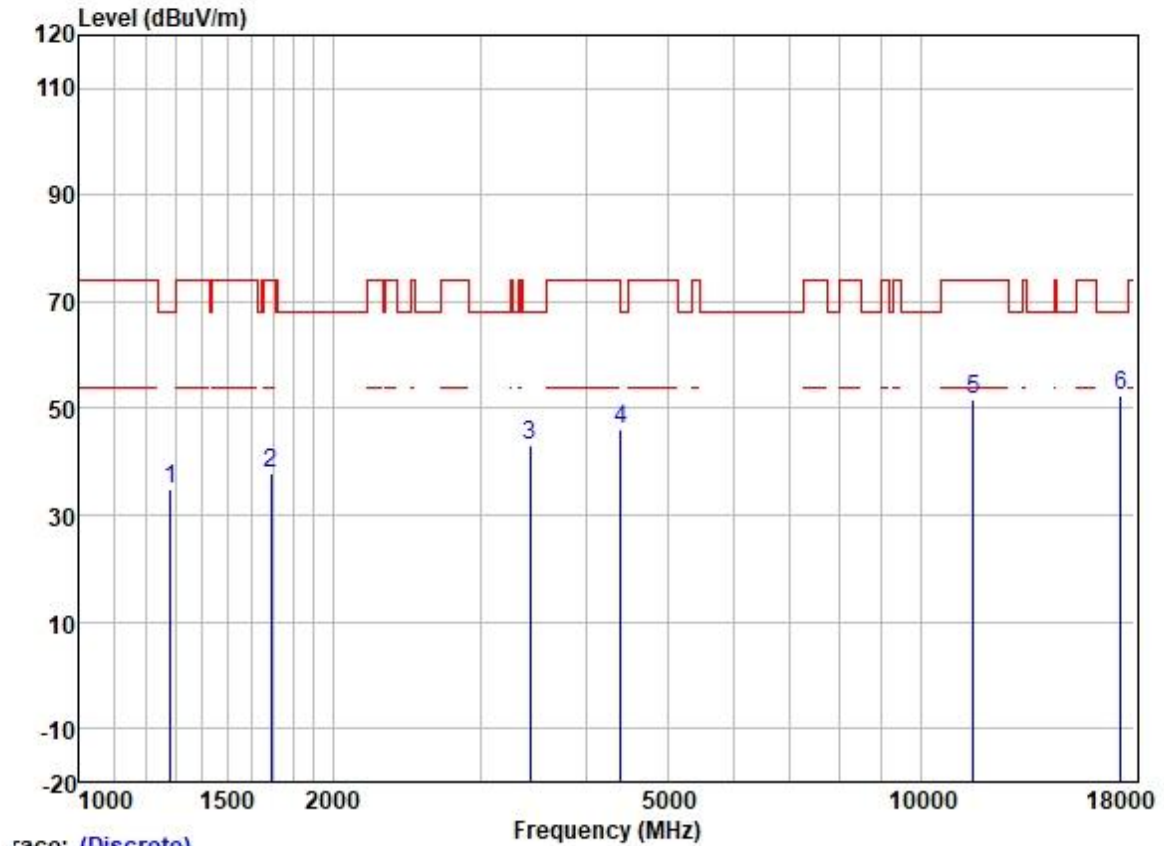
Test Mode: 09; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Trace: (Discrete)

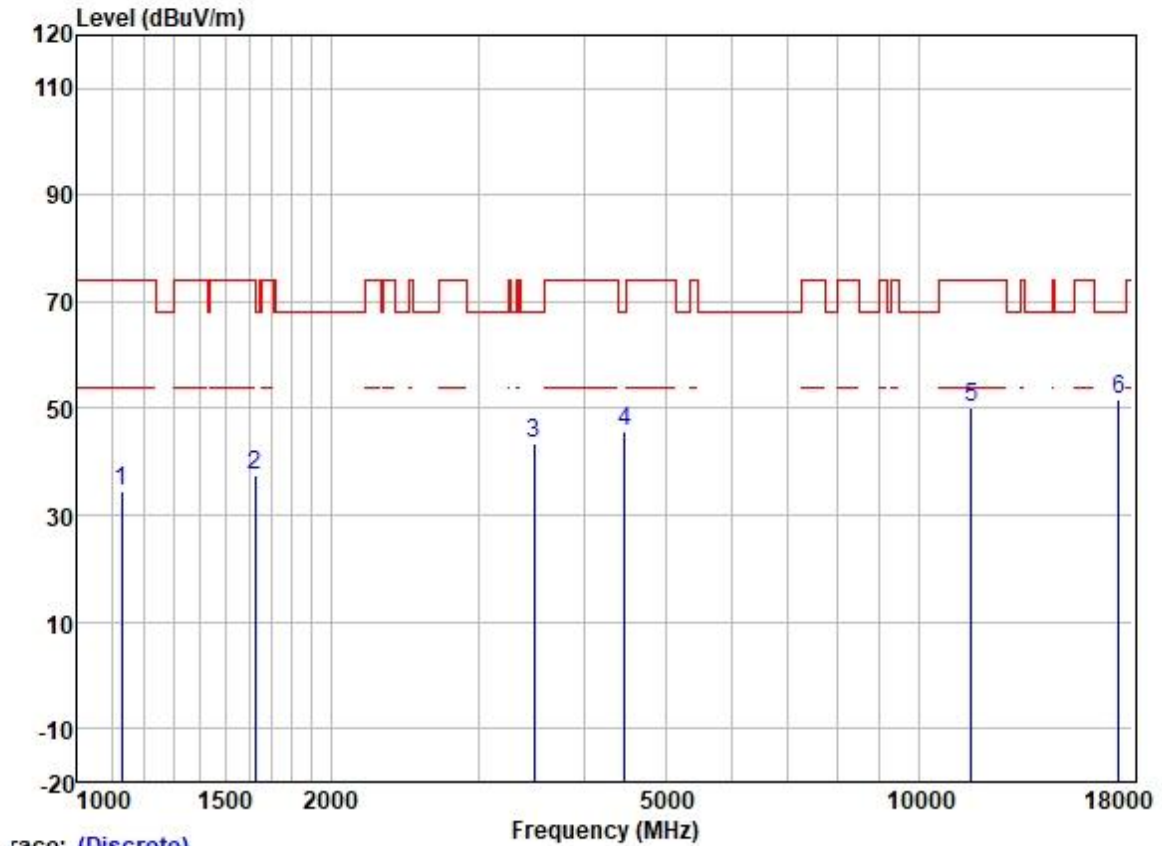
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1122.563	46.32	24.42	2.22	38.43	34.53	74.00	-39.47	VERTICAL Peak
2	1687.347	47.53	25.69	2.80	37.91	38.11	74.00	-35.89	VERTICAL Peak
3	3337.710	48.15	28.79	4.08	37.01	44.01	74.00	-29.99	VERTICAL Peak
4	4456.315	47.60	30.75	4.88	36.81	46.42	68.20	-21.78	VERTICAL Peak
5	11590.000	39.53	39.72	8.37	37.14	50.48	74.00	-23.52	VERTICAL Peak
6	17385.000	33.25	43.57	10.53	35.32	52.03	68.20	-16.17	VERTICAL Peak

Test Mode: 09; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



	Freq	Read	Antenna	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	1282.193	45.48	25.15	2.52	38.33	34.82	68.20	-33.38	HORIZONTAL Peak
2	1692.231	47.35	25.70	2.80	37.89	37.96	74.00	-36.04	HORIZONTAL Peak
3	3435.590	46.97	28.87	4.16	36.97	43.03	68.20	-25.17	HORIZONTAL Peak
4	4405.090	47.51	30.68	4.70	36.81	46.08	68.20	-22.12	HORIZONTAL Peak
5	11550.000	40.55	39.84	8.40	37.14	51.65	74.00	-22.35	HORIZONTAL Peak
6	17325.000	34.08	43.40	10.39	35.32	52.55	68.20	-15.65	HORIZONTAL Peak

Test Mode: 09; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dB		
1	1129.072	46.42	24.43	2.20	38.43	34.62	74.00	-39.38	VERTICAL Peak
2	1625.121	46.92	25.61	2.80	37.95	37.38	74.00	-36.62	VERTICAL Peak
3	3495.691	47.35	28.90	4.30	36.94	43.61	68.20	-24.59	VERTICAL Peak
4	4469.214	46.83	30.77	4.93	36.81	45.72	68.20	-22.48	VERTICAL Peak
5	11550.000	39.12	39.84	8.40	37.14	50.22	74.00	-23.78	VERTICAL Peak
6	17325.000	33.37	43.40	10.39	35.32	51.84	68.20	-16.36	VERTICAL Peak

7.9 Radiated Emissions which fall in the restricted bands

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

Test Method: KDB 789033 D02 II G

Limit:

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

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

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

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

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

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

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

7.9.1 E.U.T. Operation

Operating Environment:

Temperature: 25.2 °C

Humidity: 55.5 % RH

Atmospheric Pressure: 995 mbar



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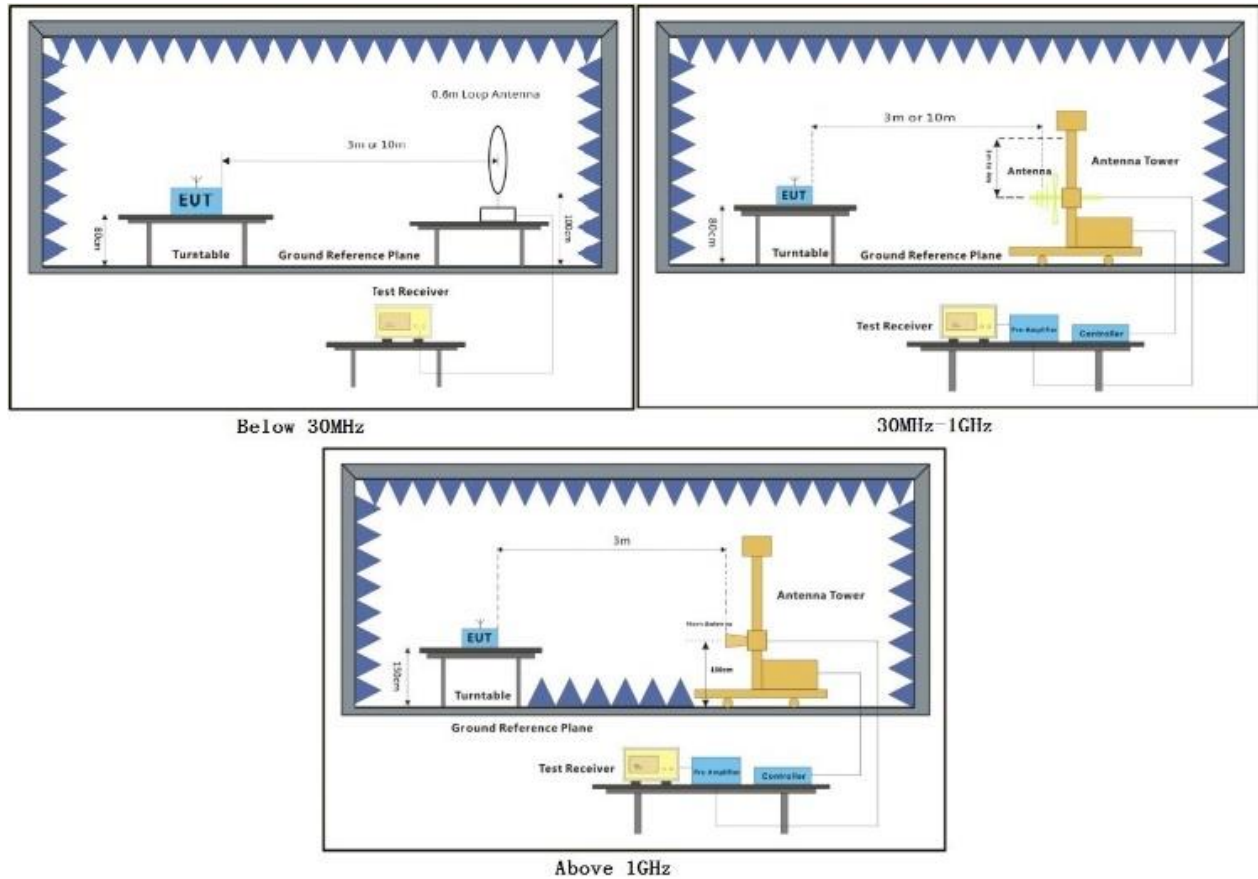
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中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com

7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	06	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	07	Charge + TX mode (U-NII-1)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Pre-scan	08	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.
Final test	09	Charge + TX mode (U-NII-3)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

7.9.3 Test Setup Diagram



7.9.4 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 middle 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.

Remark1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Remark2:

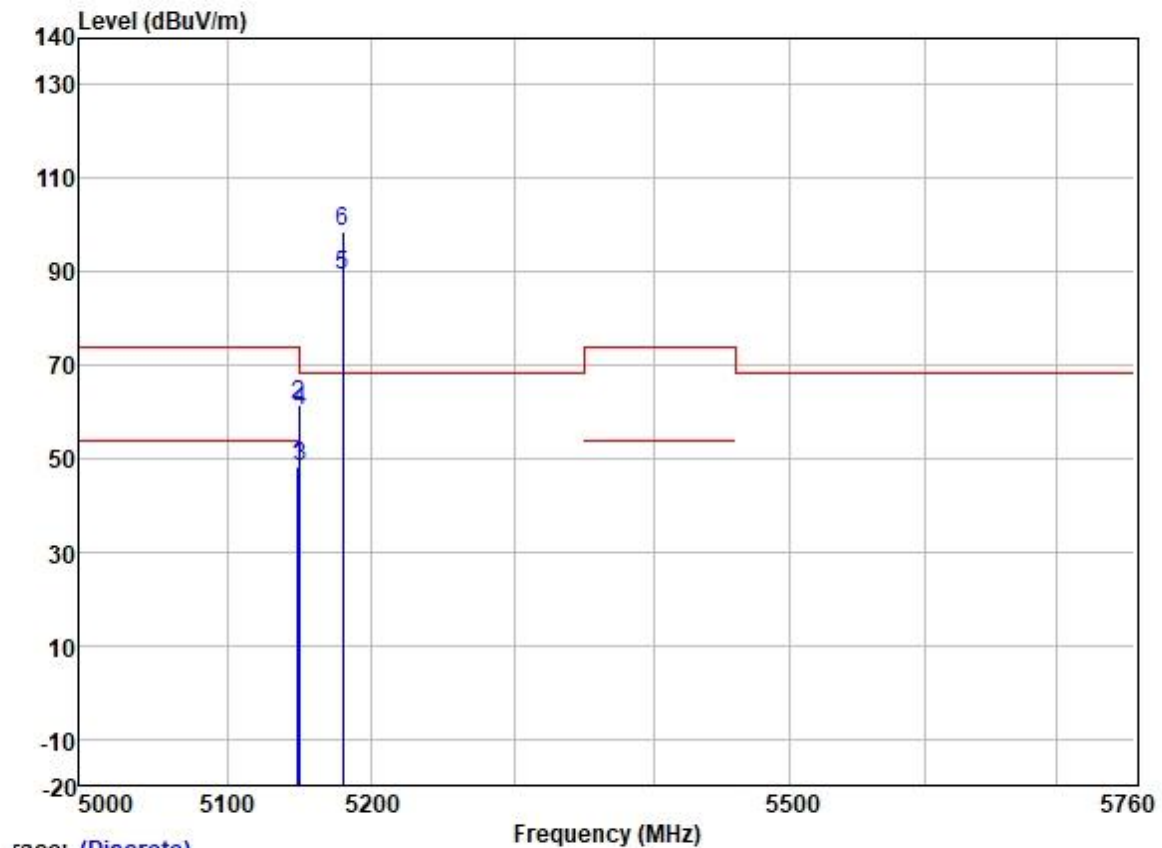
- 1). Pretest the EUT in 802.11a/ n(20)/ n(40)/ac (20)/ ac (40)/ ac(80) find the worst case are 802.11a /n(40)/ ac(80), only record the worst case test data 802.11a /n(40)/ ac(80) in this report.



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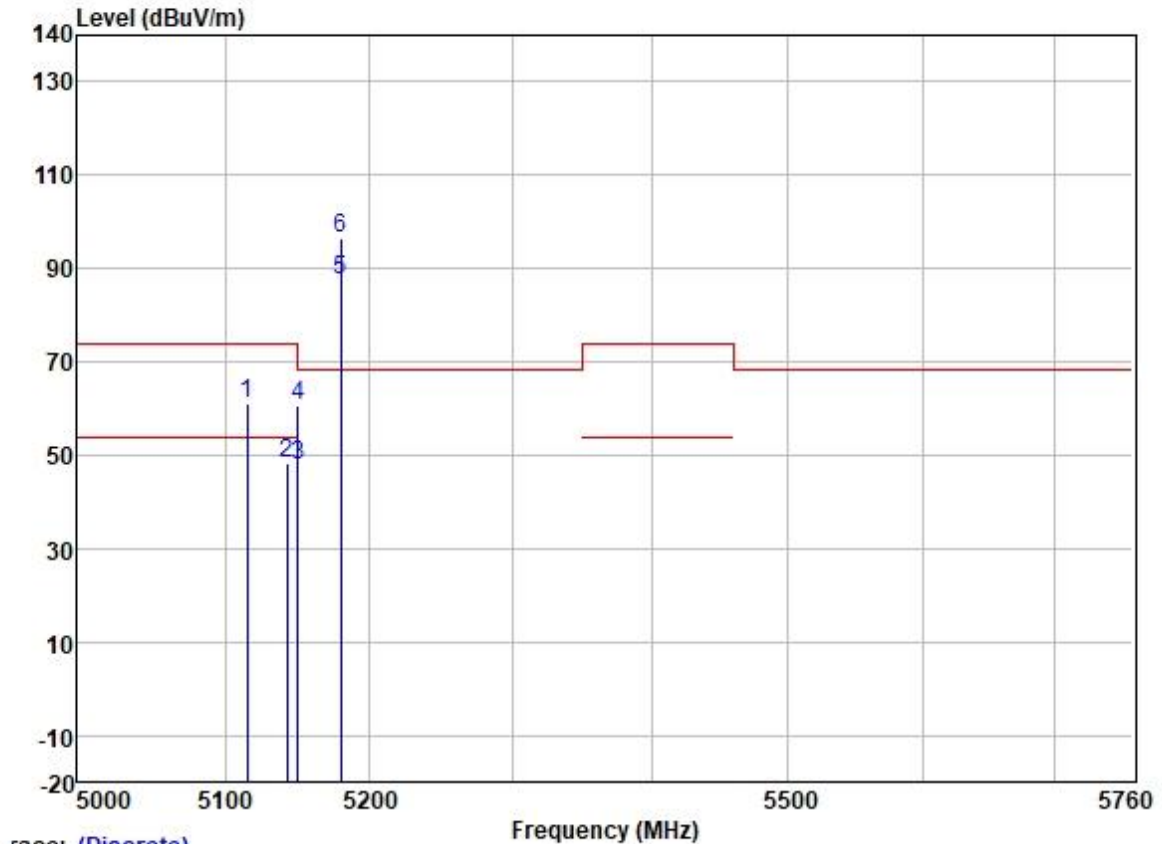
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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



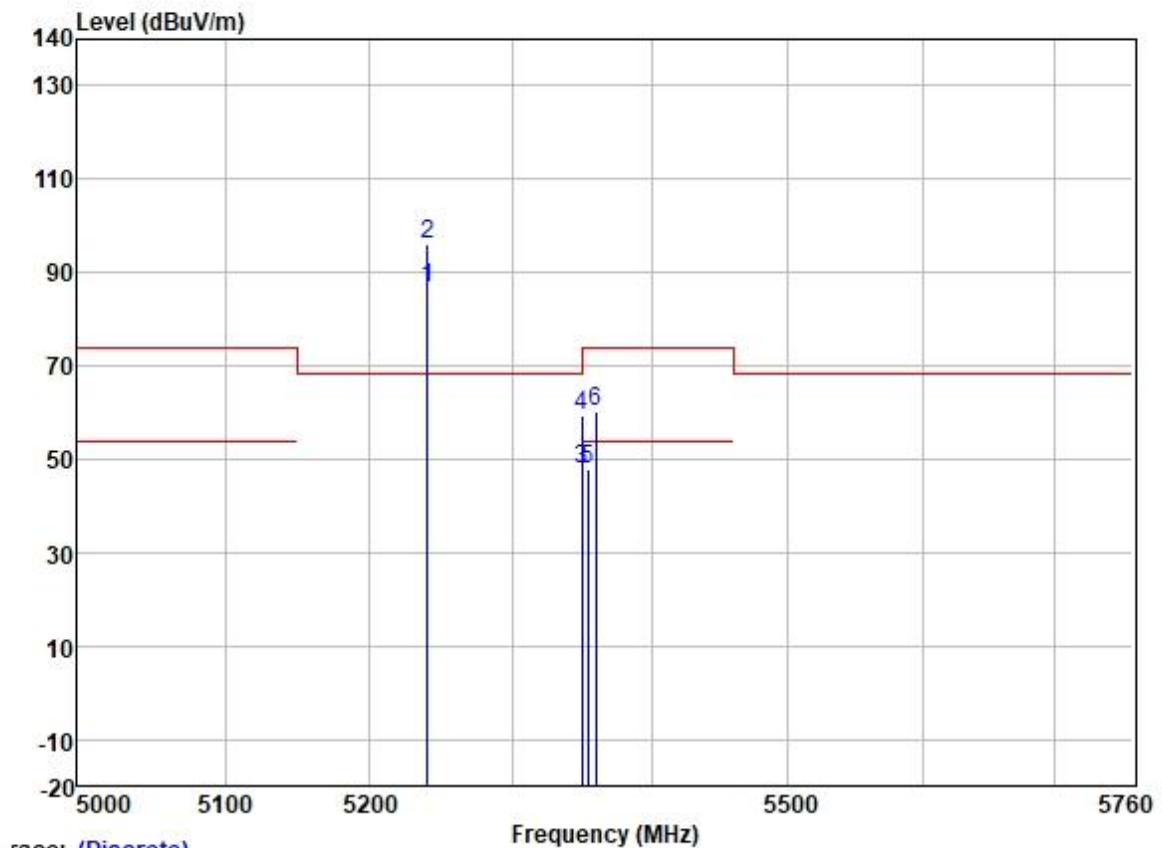
		Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
		MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1		5148.458	47.71	31.72	5.62	36.86	48.19	54.00	-5.81	HORIZONTAL	Average
2		5149.357	61.08	31.72	5.62	36.86	61.56	74.00	-12.44	HORIZONTAL	Peak
3		5149.980	47.63	31.72	5.62	36.86	48.11	54.00	-5.89	HORIZONTAL	Average
4		5149.980	59.67	31.72	5.62	36.86	60.15	74.00	-13.85	HORIZONTAL	Peak
5		5180.000	88.92	31.73	5.61	36.87	89.39	-----	-----	HORIZONTAL	Average
6	*	5180.000	98.26	31.73	5.61	36.87	98.73	68.20	30.53	HORIZONTAL	Peak

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



	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	5115.373	60.48	31.72	5.64	36.86	60.98	74.00	-13.02	VERTICAL	Peak
2	5142.163	47.58	31.72	5.62	36.86	48.06	54.00	-5.94	VERTICAL	Average
3	5149.980	47.47	31.72	5.62	36.86	47.95	54.00	-6.05	VERTICAL	Average
4	5149.980	60.33	31.72	5.62	36.86	60.81	74.00	-13.19	VERTICAL	Peak
5	5180.000	86.88	31.73	5.61	36.87	87.35	-----	-----	VERTICAL	Average
6 *	5180.000	96.09	31.73	5.61	36.87	96.56	68.20	28.36	VERTICAL	Peak

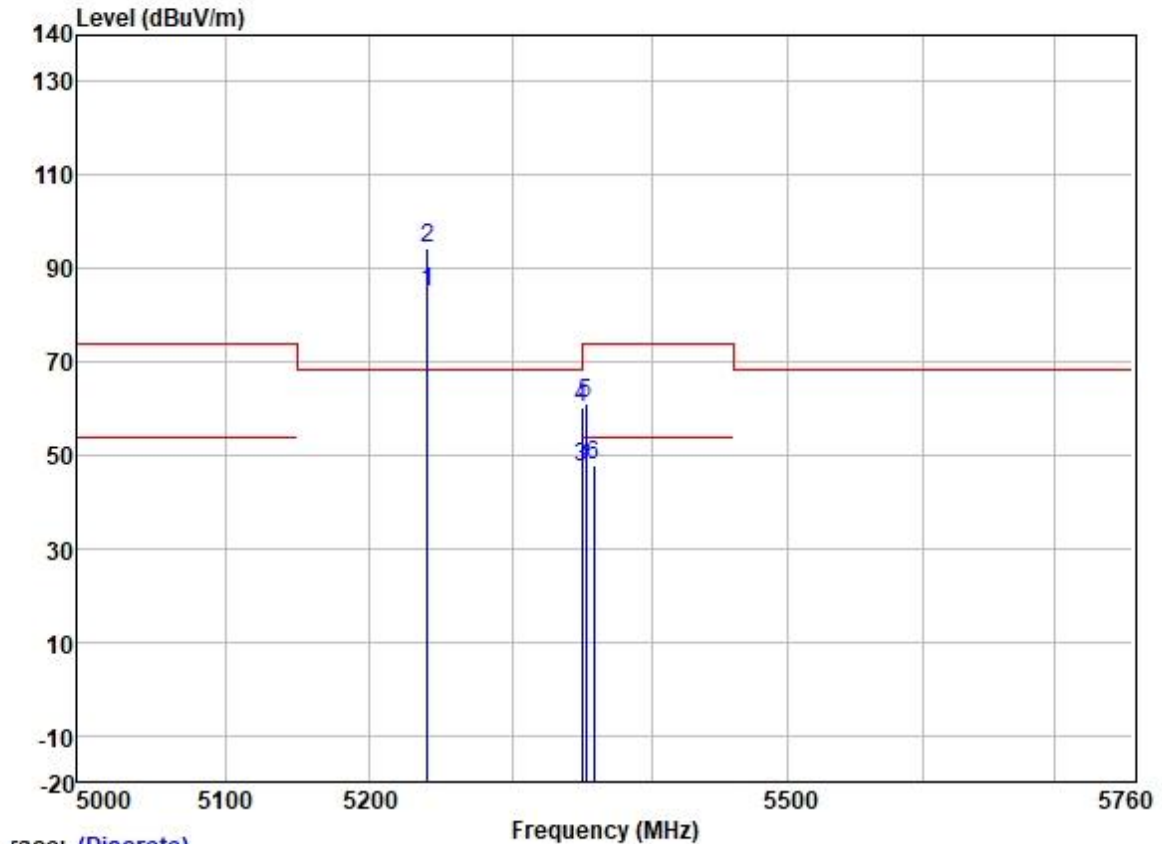
Test Mode: 07; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

	Freq	Read	Antenna	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	86.20	31.75	5.74	36.87	86.82	-----	-----	HORIZONTAL Average
2 *	5240.000	95.38	31.75	5.74	36.87	96.00	68.20	27.80	HORIZONTAL Peak
3	5350.020	46.76	31.77	6.05	36.88	47.70	54.00	-6.30	HORIZONTAL Average
4	5350.020	58.36	31.77	6.05	36.88	59.30	74.00	-14.70	HORIZONTAL Peak
5	5354.329	46.89	31.78	6.03	36.88	47.82	54.00	-6.18	HORIZONTAL Average
6	5359.858	59.41	31.78	6.03	36.88	60.34	74.00	-13.66	HORIZONTAL Peak

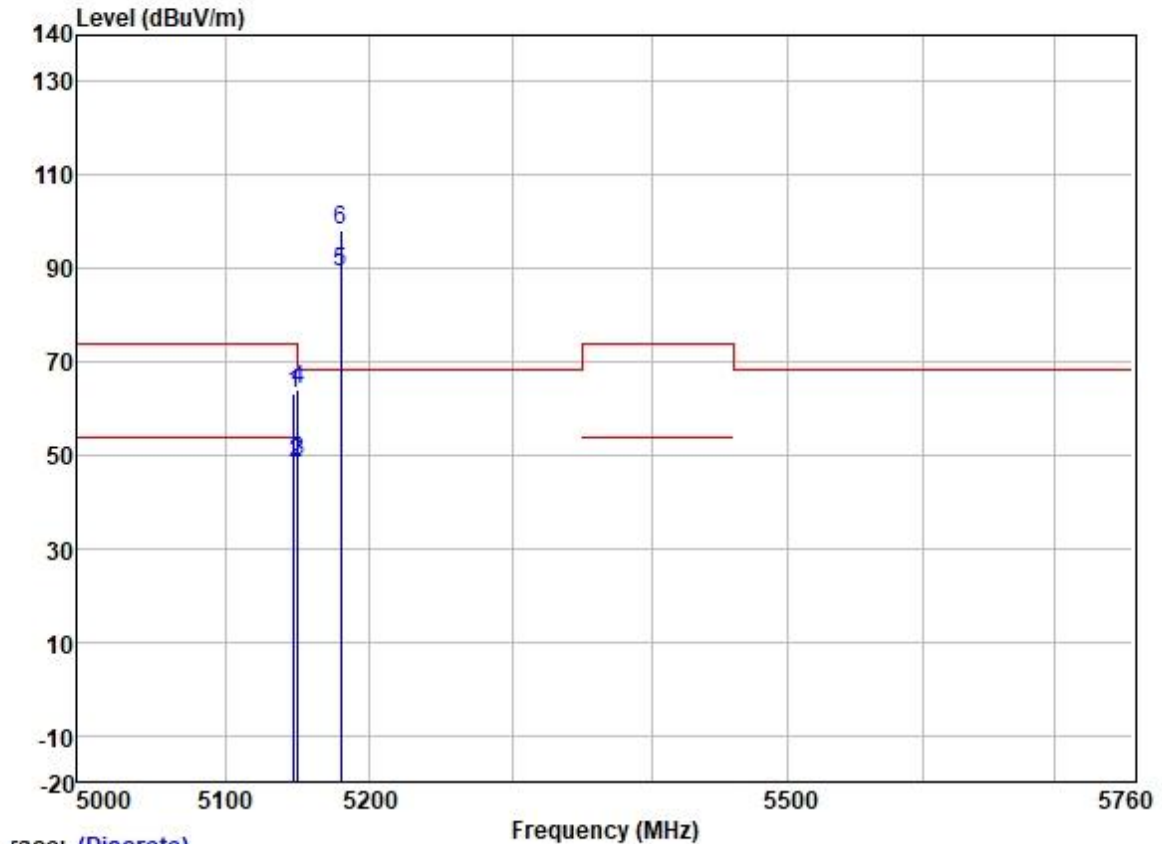
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Trace: (Discrete)

	Freq	Read	Antenna	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	84.44	31.75	5.74	36.87	85.06	-----	-----	VERTICAL Average
2 *	5240.000	93.64	31.75	5.74	36.87	94.26	68.20	26.06	VERTICAL Peak
3	5350.020	46.66	31.77	6.05	36.88	47.60	54.00	-6.40	VERTICAL Average
4	5350.020	59.33	31.77	6.05	36.88	60.27	74.00	-13.73	VERTICAL Peak
5	5352.912	60.04	31.77	6.05	36.88	60.98	74.00	-13.02	VERTICAL Peak
6	5358.298	46.88	31.78	6.03	36.88	47.81	54.00	-6.19	VERTICAL Average

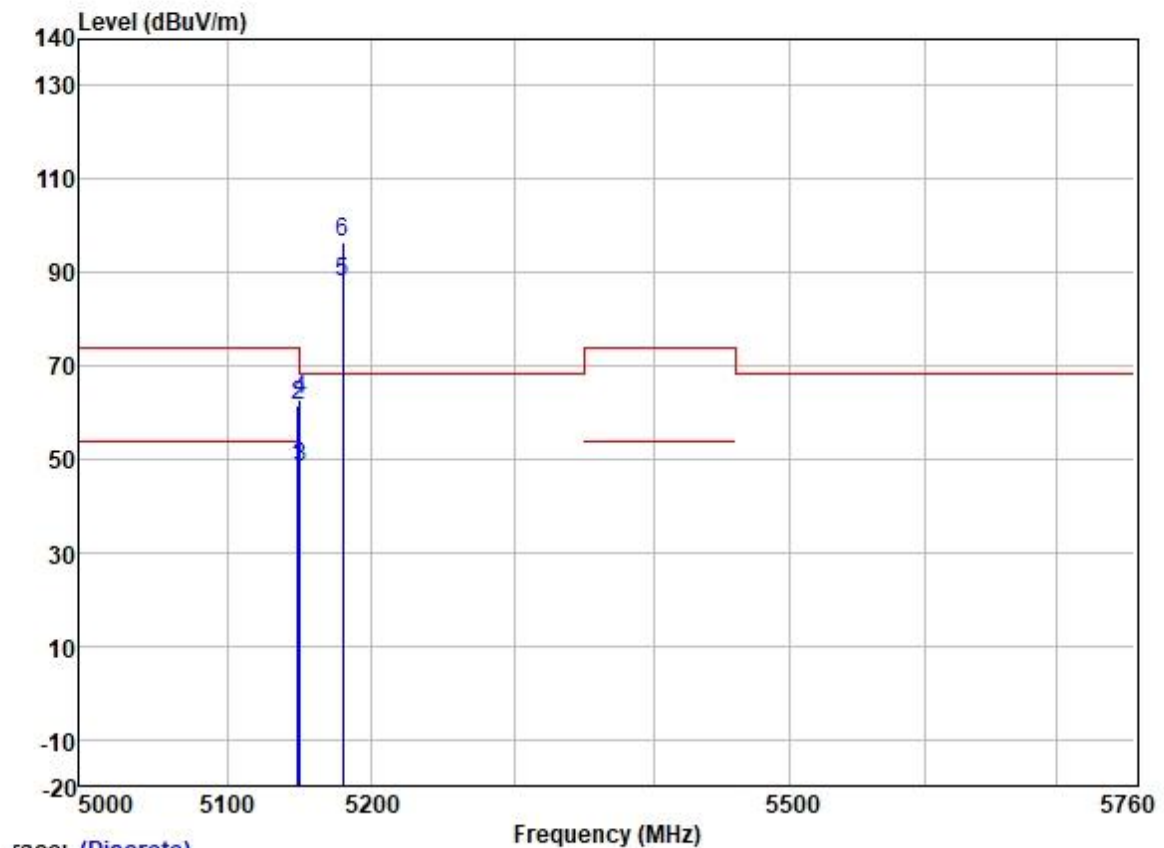
Test Mode: 07; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5147.058	62.56	31.72	5.62	36.86	63.04	74.00	-10.96	HORIZONTAL	Peak
2	5149.357	47.84	31.72	5.62	36.86	48.32	54.00	-5.68	HORIZONTAL	Average
3	5149.980	48.00	31.72	5.62	36.86	48.48	54.00	-5.52	HORIZONTAL	Average
4	5149.980	63.65	31.72	5.62	36.86	64.13	74.00	-9.87	HORIZONTAL	Peak
5	5180.000	88.80	31.73	5.61	36.87	89.27	-----	-----	HORIZONTAL	Average
6 *	5180.000	97.79	31.73	5.61	36.87	98.26	68.20	30.06	HORIZONTAL	Peak

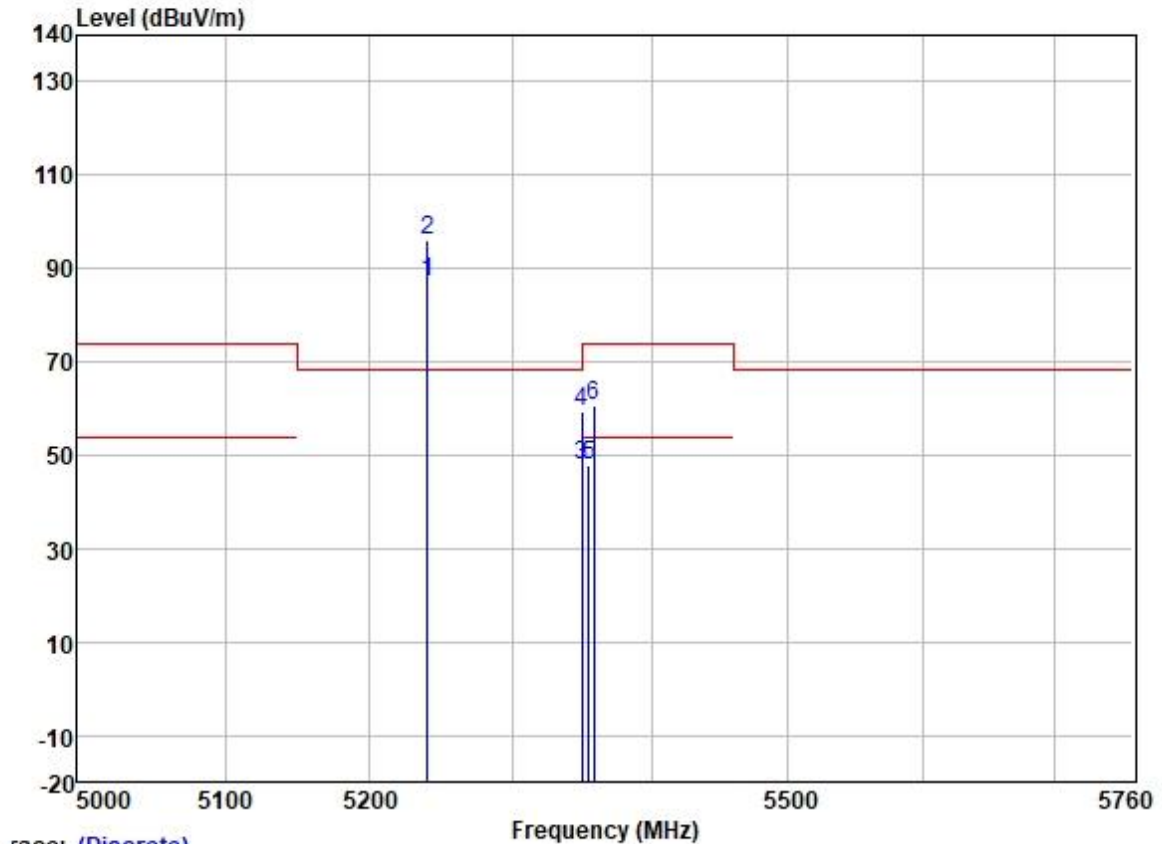
Test Mode: 07; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5148.458	47.62	31.72	5.62	36.86	48.10	54.00	-5.90	VERTICAL	Average
2	5148.958	61.03	31.72	5.62	36.86	61.51	74.00	-12.49	VERTICAL	Peak
3	5149.980	47.73	31.72	5.62	36.86	48.21	54.00	-5.79	VERTICAL	Average
4	5149.980	62.47	31.72	5.62	36.86	62.95	74.00	-11.05	VERTICAL	Peak
5	5180.000	87.40	31.73	5.61	36.87	87.87	-----	-----	VERTICAL	Average
6 *	5180.000	95.87	31.73	5.61	36.87	96.34	68.20	28.14	VERTICAL	Peak

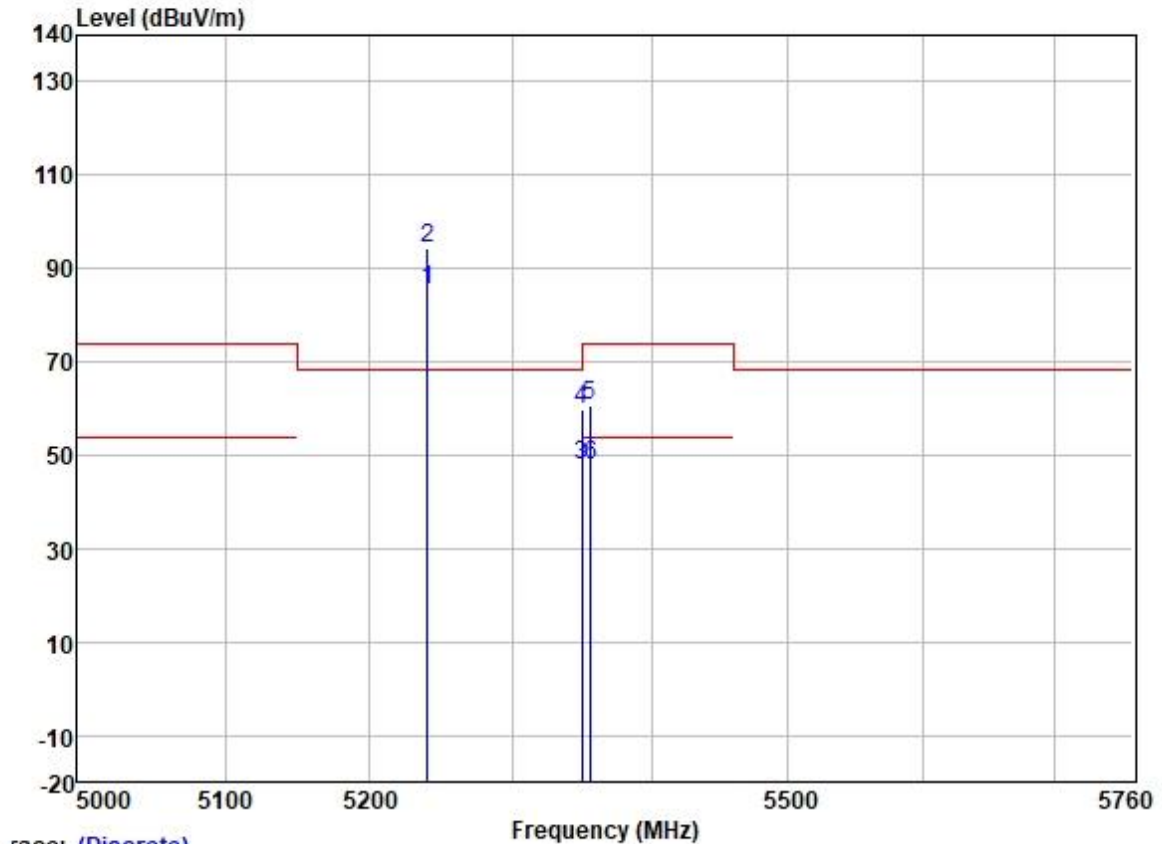
Test Mode: 07; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

	Freq	Read	Antenna	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	86.55	31.75	5.74	36.87	87.17	-----	-----	HORIZONTAL Average
2	* 5240.000	95.52	31.75	5.74	36.87	96.14	68.20	27.94	HORIZONTAL Peak
3	5350.020	46.80	31.77	6.05	36.88	47.74	54.00	-6.26	HORIZONTAL Average
4	5350.020	58.57	31.77	6.05	36.88	59.51	74.00	-14.49	HORIZONTAL Peak
5	5354.896	46.85	31.78	6.03	36.88	47.78	54.00	-6.22	HORIZONTAL Average
6	5358.298	59.78	31.78	6.03	36.88	60.71	74.00	-13.29	HORIZONTAL Peak

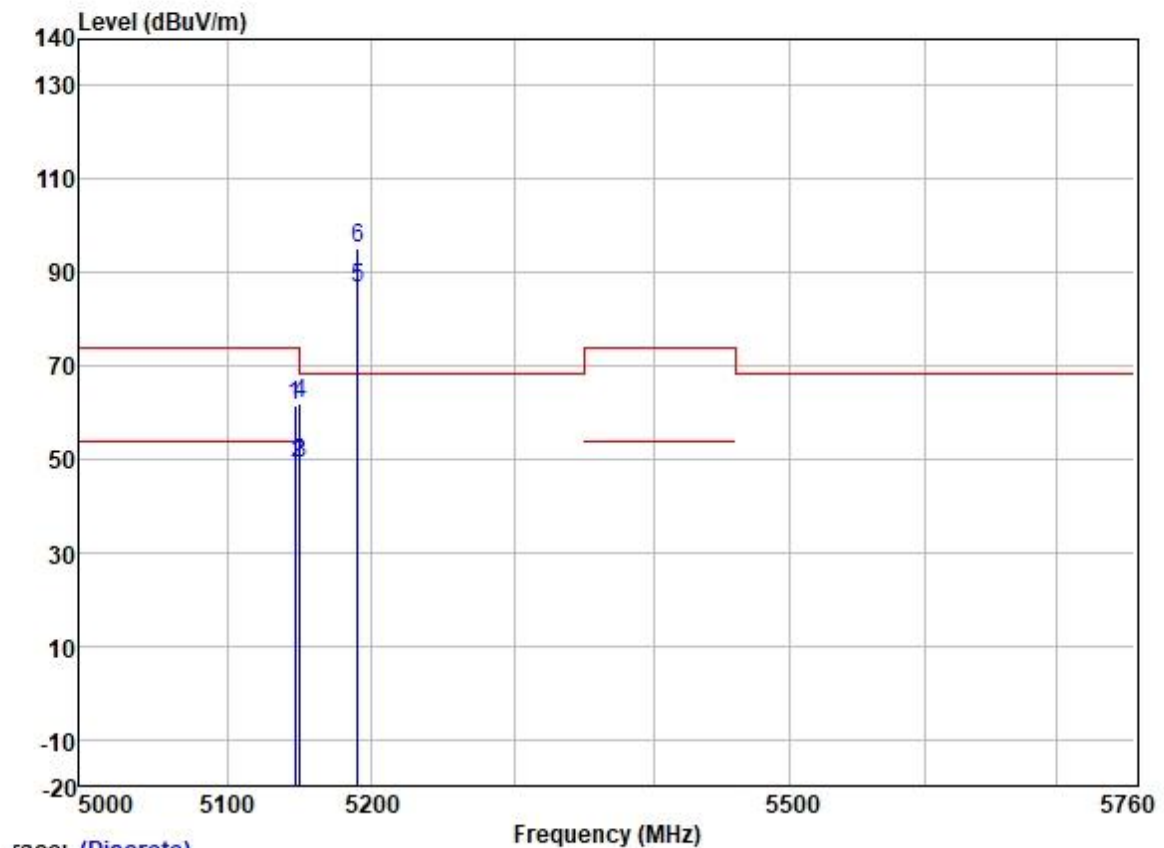
Test Mode: 07; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

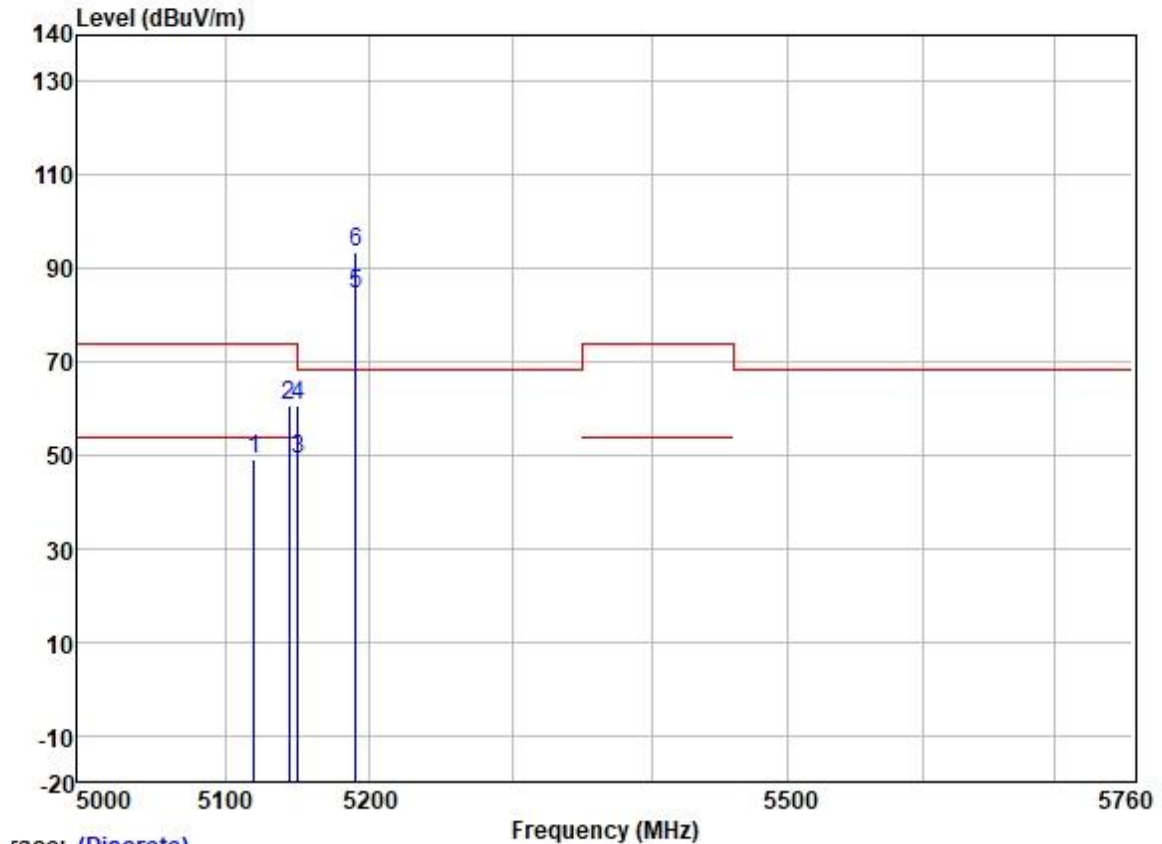
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5240.000	84.73	31.75	5.74	36.87	85.35	-----	-----	VERTICAL	Average
2 *	5240.000	93.86	31.75	5.74	36.87	94.48	68.20	26.28	VERTICAL	Peak
3	5350.020	46.72	31.77	6.05	36.88	47.66	54.00	-6.34	VERTICAL	Average
4	5350.020	58.74	31.77	6.05	36.88	59.68	74.00	-14.32	VERTICAL	Peak
5	5355.179	59.56	31.78	6.03	36.88	60.49	74.00	-13.51	VERTICAL	Peak
6	5355.888	46.84	31.78	6.03	36.88	47.77	54.00	-6.23	VERTICAL	Average

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



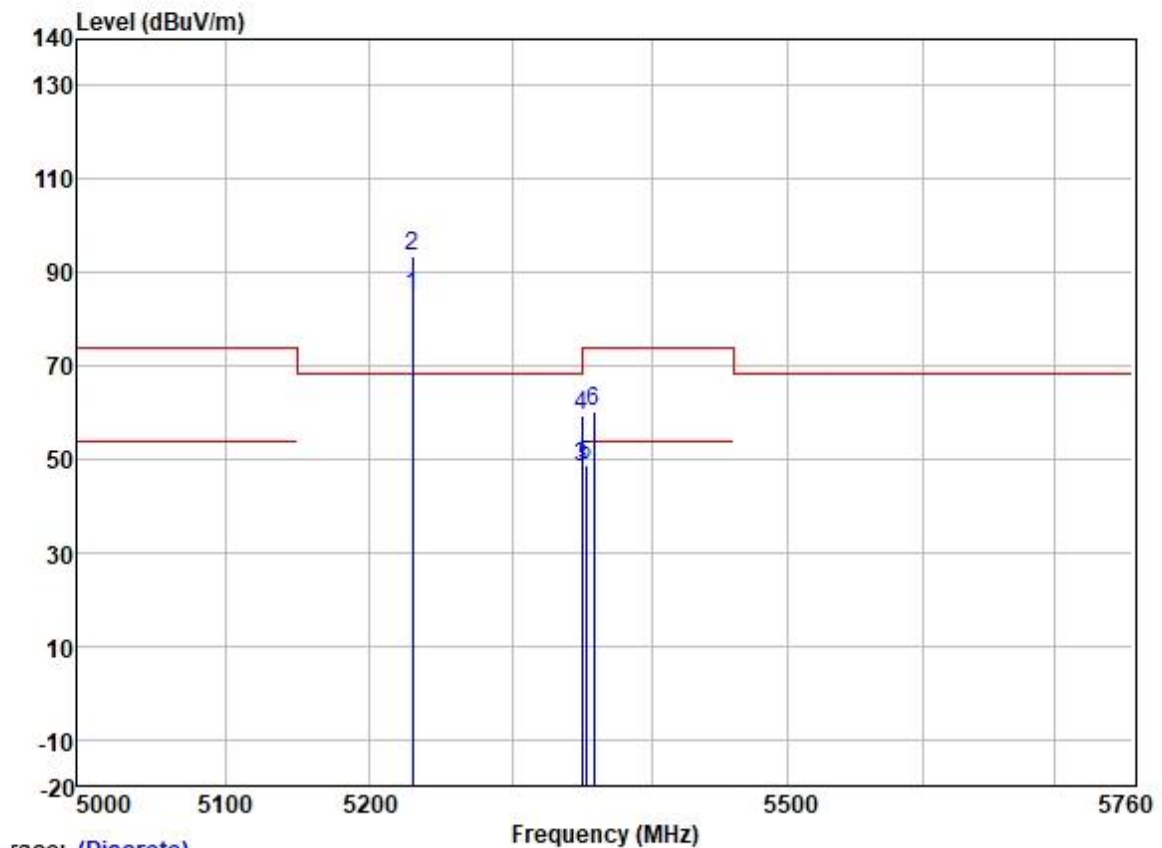
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5146.349	60.81	31.72	5.62	36.86	61.29	74.00	-12.71	HORIZONTAL Peak
2	5149.102	48.81	31.72	5.62	36.86	49.29	54.00	-4.71	HORIZONTAL Average
3	5149.980	48.84	31.72	5.62	36.86	49.32	54.00	-4.68	HORIZONTAL Average
4	5149.980	61.38	31.72	5.62	36.86	61.86	74.00	-12.14	HORIZONTAL Peak
5	5190.000	86.35	31.73	5.60	36.87	86.81	-----	-----	HORIZONTAL Average
6 *	5190.000	94.65	31.73	5.60	36.87	95.11	68.20	26.91	HORIZONTAL Peak

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



	Freq	Read	Antenna	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	5119.608	48.43	31.72	5.64	36.86	48.93	54.00	-5.07	VERTICAL
2	5143.956	60.34	31.72	5.62	36.86	60.82	74.00	-13.18	VERTICAL
3	5149.980	48.54	31.72	5.62	36.86	49.02	54.00	-4.98	VERTICAL
4	5149.980	60.15	31.72	5.62	36.86	60.63	74.00	-13.37	VERTICAL
5	5190.000	84.10	31.73	5.60	36.87	84.56	-----	-----	VERTICAL
6 *	5190.000	92.89	31.73	5.60	36.87	93.35	68.20	25.15	VERTICAL

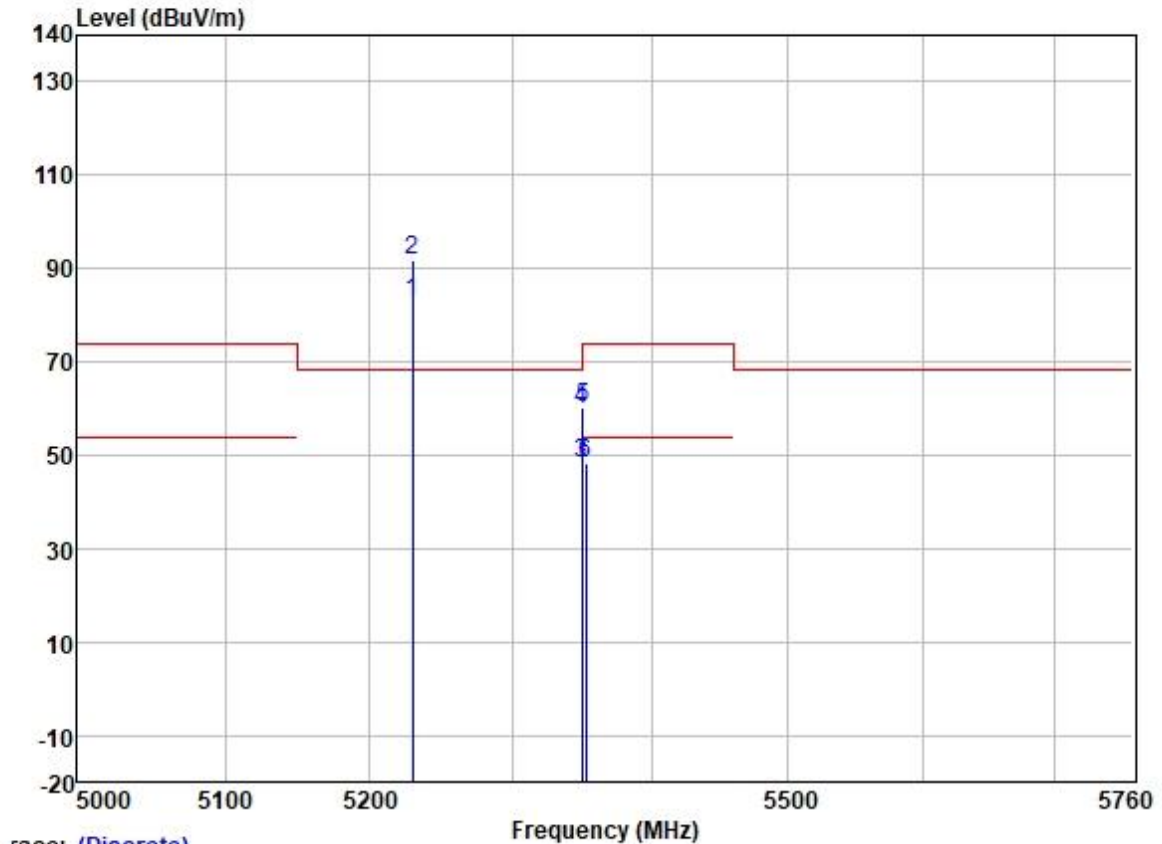
Test Mode: 07; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Trace: (Discrete)

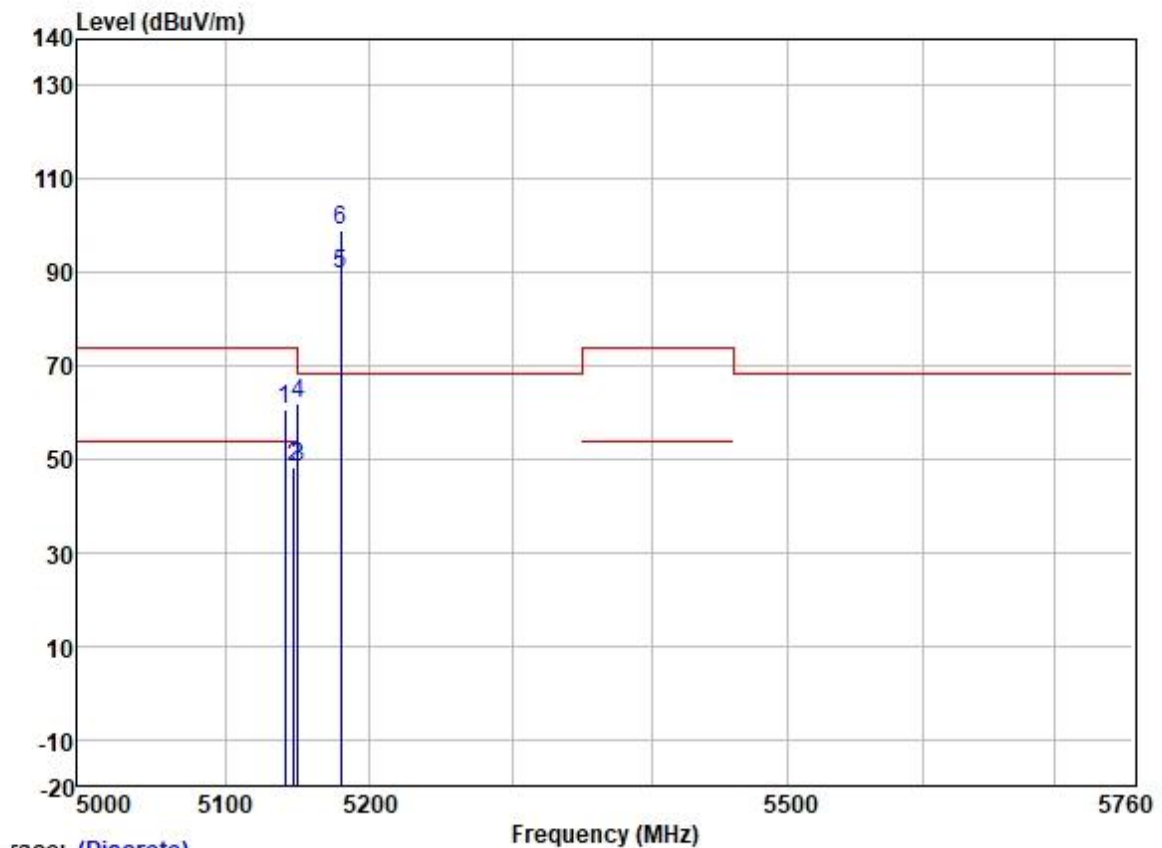
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5230.000	84.58	31.74	5.70	36.87	85.15	-----	-----	HORIZONTAL Average
2 *	5230.000	92.96	31.74	5.70	36.87	93.53	68.20	25.33	HORIZONTAL Peak
3	5350.020	47.35	31.77	6.05	36.88	48.29	54.00	-5.71	HORIZONTAL Average
4	5350.020	58.44	31.77	6.05	36.88	59.38	74.00	-14.62	HORIZONTAL Peak
5	5352.695	47.57	31.77	6.05	36.88	48.51	54.00	-5.49	HORIZONTAL Average
6	5358.376	59.31	31.78	6.03	36.88	60.24	74.00	-13.76	HORIZONTAL Peak

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



race: (Discrete)	Frequency (MHz)									
	Freq	ReadAntenna	Cable	Preamp		Limit	Over	Pol/Phase	Remark	
		Level	Factor	Loss	Factor	Level	Line			Limit
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5230.000	82.45	31.74	5.70	36.87	83.02	-----	-----	VERTICAL	Average
2 *	5230.000	91.14	31.74	5.70	36.87	91.71	68.20	23.51	VERTICAL	Peak
3	5350.020	47.32	31.77	6.05	36.88	48.26	54.00	-5.74	VERTICAL	Average
4	5350.020	58.95	31.77	6.05	36.88	59.89	74.00	-14.11	VERTICAL	Peak
5	5350.587	59.28	31.77	6.05	36.88	60.22	74.00	-13.78	VERTICAL	Peak
6	5352.533	47.51	31.77	6.05	36.88	48.45	54.00	-5.55	VERTICAL	Average

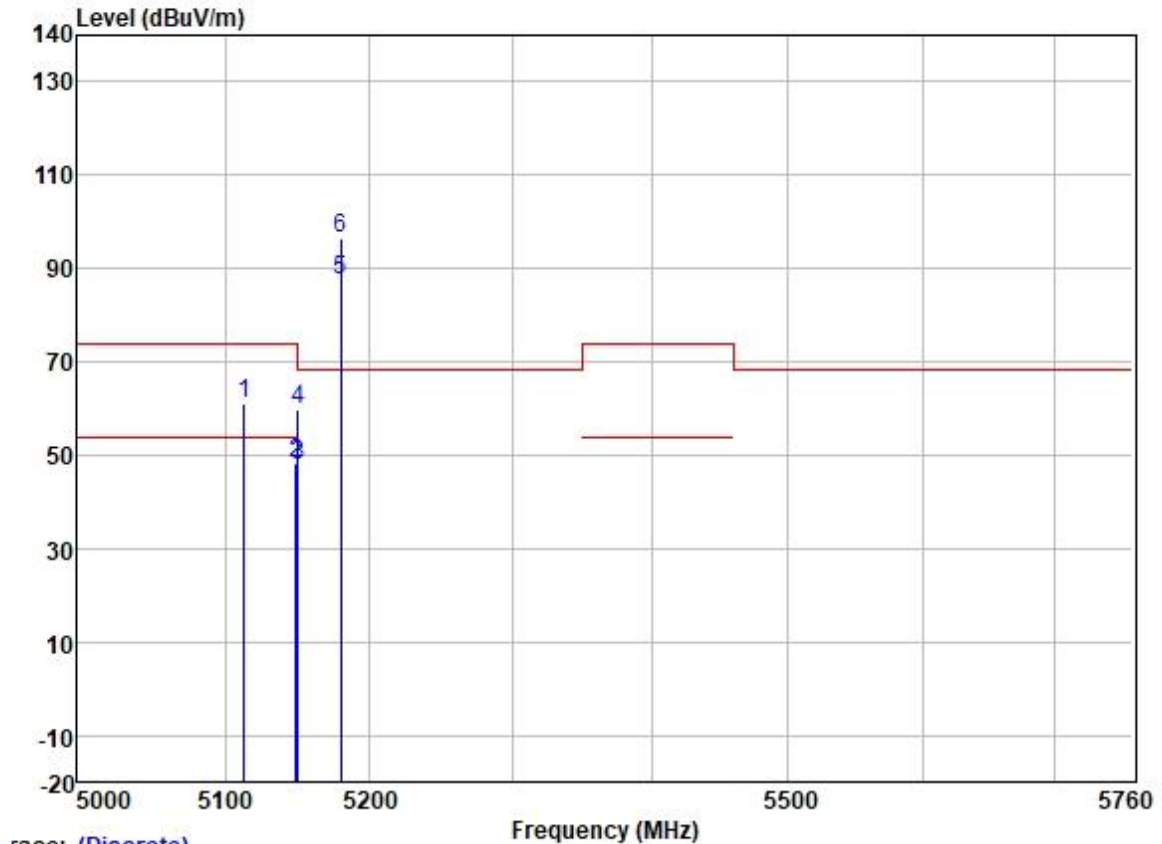
Test Mode: 07; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

	Freq	Read	Antenna	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	5140.765	60.11	31.72	5.63	36.86	60.60	74.00	-13.40	HORIZONTAL Peak
2	5147.458	47.64	31.72	5.62	36.86	48.12	54.00	-5.88	HORIZONTAL Average
3	5149.980	47.83	31.72	5.62	36.86	48.31	54.00	-5.69	HORIZONTAL Average
4	5149.980	61.42	31.72	5.62	36.86	61.90	74.00	-12.10	HORIZONTAL Peak
5	5180.000	88.99	31.73	5.61	36.87	89.46	-----	-----	HORIZONTAL Average
6 *	5180.000	98.45	31.73	5.61	36.87	98.92	68.20	30.72	HORIZONTAL Peak

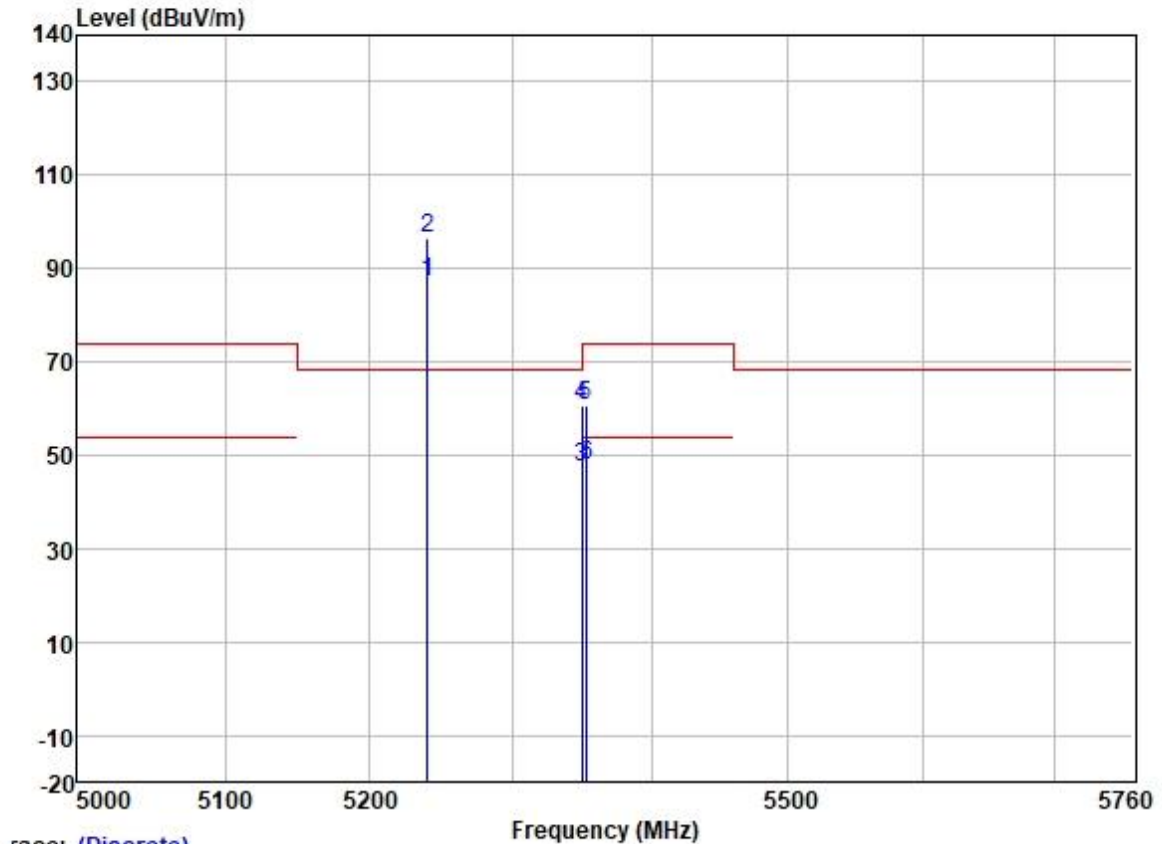
Test Mode: 07; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

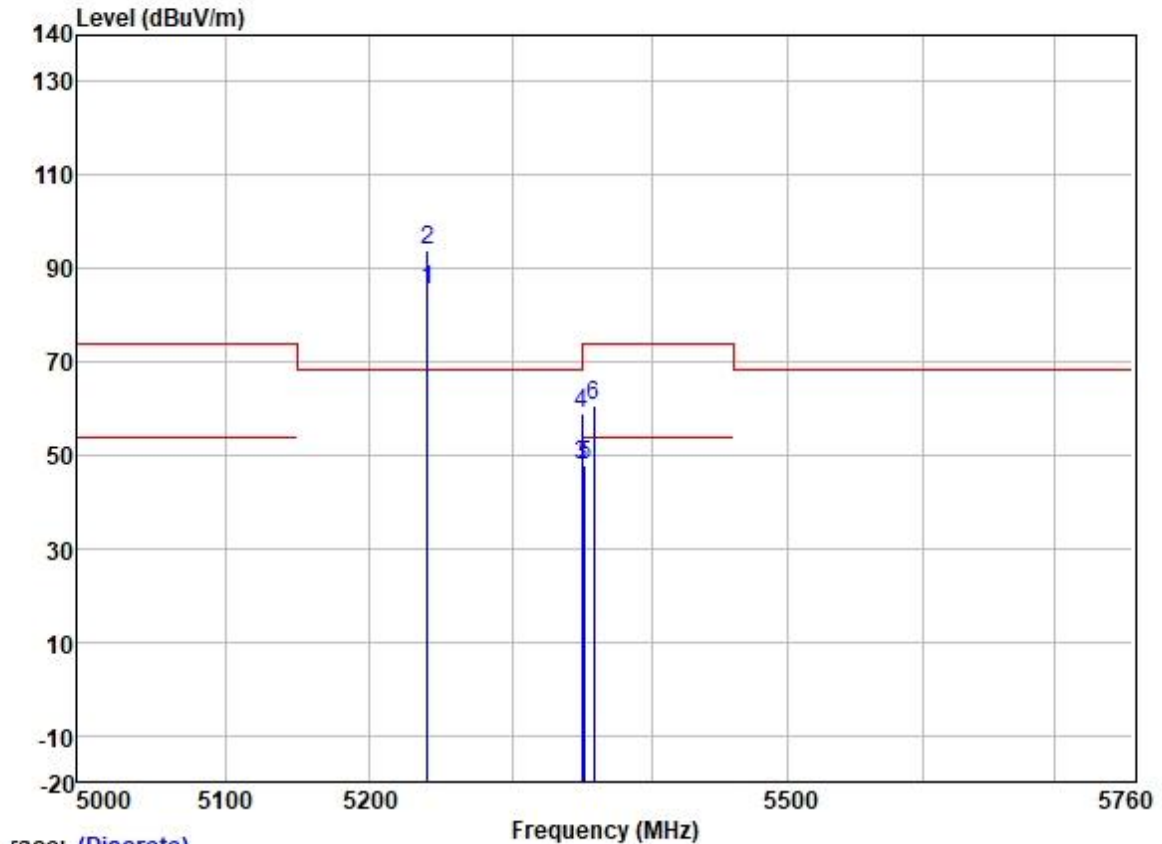
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5112.791	60.66	31.72	5.64	36.86	61.16	74.00	-12.84	VERTICAL	Peak
2	5148.757	47.76	31.72	5.62	36.86	48.24	54.00	-5.76	VERTICAL	Average
3	5149.980	47.48	31.72	5.62	36.86	47.96	54.00	-6.04	VERTICAL	Average
4	5149.980	59.28	31.72	5.62	36.86	59.76	74.00	-14.24	VERTICAL	Peak
5	5180.000	86.87	31.73	5.61	36.87	87.34	-----	-----	VERTICAL	Average
6 *	5180.000	95.91	31.73	5.61	36.87	96.38	68.20	28.18	VERTICAL	Peak

Test Mode: 07; Polarity: Horizontal; Modulation:802.11ac; 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	5240.000	86.48	31.75	5.74	36.87	87.10	-----	-----	HORIZONTAL	Average
2 *	5240.000	95.85	31.75	5.74	36.87	96.47	68.20	28.27	HORIZONTAL	Peak
3	5350.020	46.63	31.77	6.05	36.88	47.57	54.00	-6.43	HORIZONTAL	Average
4	5350.020	59.68	31.77	6.05	36.88	60.62	74.00	-13.38	HORIZONTAL	Peak
5	5352.912	59.68	31.77	6.05	36.88	60.62	74.00	-13.38	HORIZONTAL	Peak
6	5353.337	46.86	31.77	6.05	36.88	47.80	54.00	-6.20	HORIZONTAL	Average

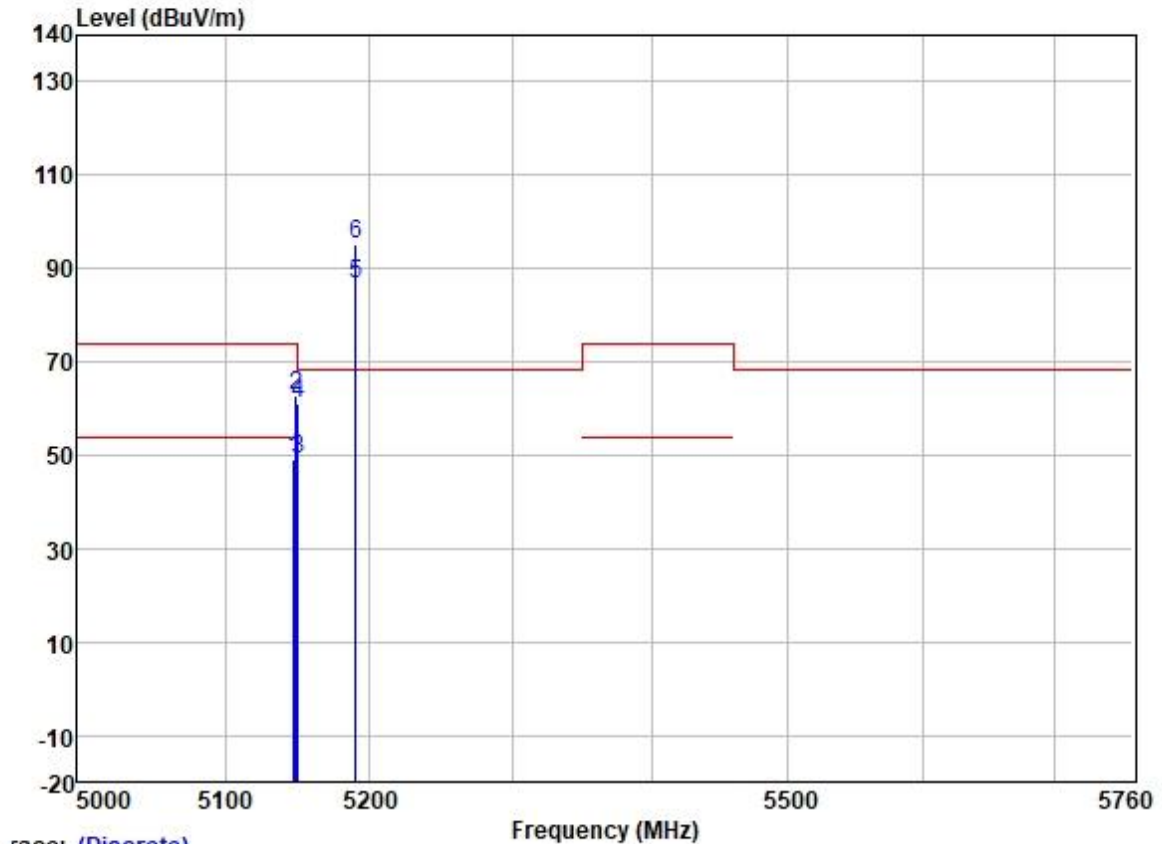
Test Mode: 07; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

	Freq	Read	Antenna	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	84.64	31.75	5.74	36.87	85.26	-----	-----	VERTICAL Average
2 *	5240.000	93.15	31.75	5.74	36.87	93.77	68.20	25.57	VERTICAL Peak
3	5350.020	46.78	31.77	6.05	36.88	47.72	54.00	-6.28	VERTICAL Average
4	5350.020	58.01	31.77	6.05	36.88	58.95	74.00	-15.05	VERTICAL Peak
5	5351.637	46.84	31.77	6.05	36.88	47.78	54.00	-6.22	VERTICAL Average
6	5358.582	59.71	31.78	6.03	36.88	60.64	74.00	-13.36	VERTICAL Peak

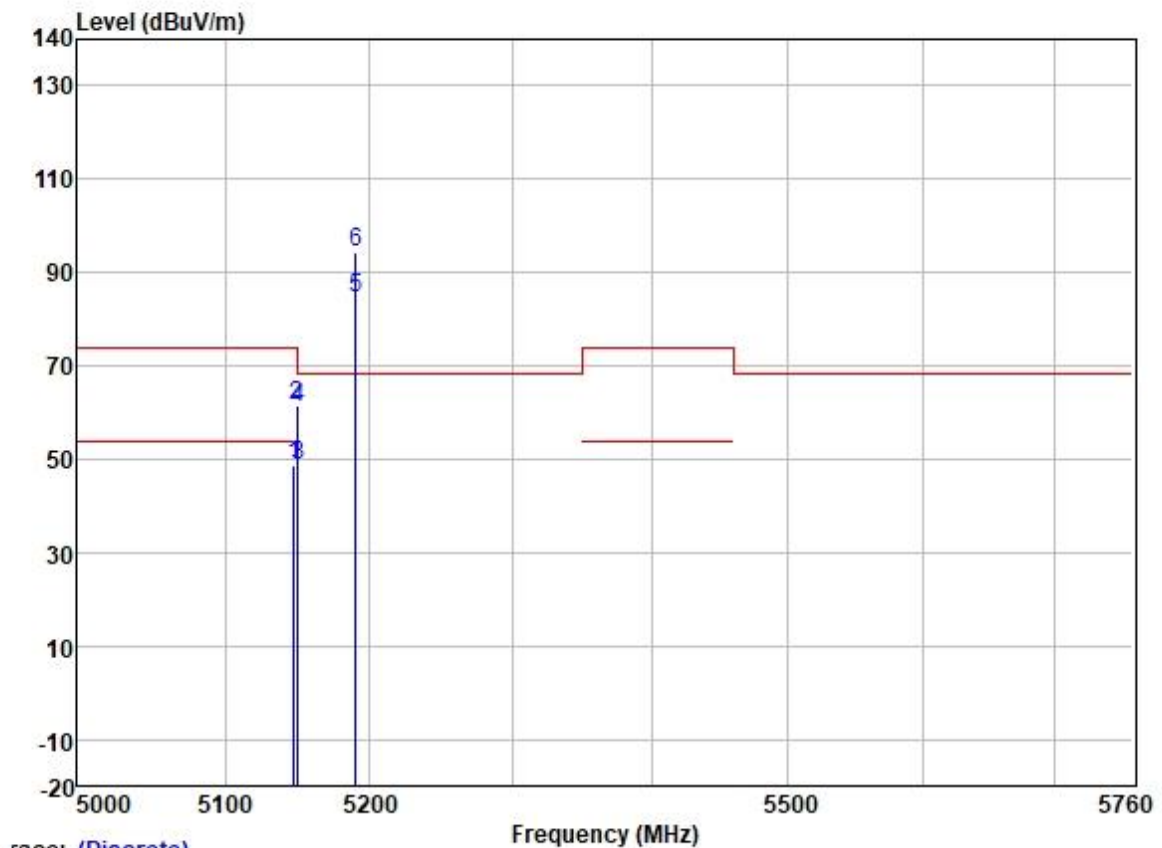
Test Mode: 07; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Trace: (Discrete)

	Freq	Read	Antenna	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	5147.426	48.60	31.72	5.62	36.86	49.08	54.00	-4.92	HORIZONTAL Average
2	5148.503	62.49	31.72	5.62	36.86	62.97	74.00	-11.03	HORIZONTAL Peak
3	5149.980	48.58	31.72	5.62	36.86	49.06	54.00	-4.94	HORIZONTAL Average
4	5149.980	60.74	31.72	5.62	36.86	61.22	74.00	-12.78	HORIZONTAL Peak
5	5190.000	86.08	31.73	5.60	36.87	86.54	-----	-----	HORIZONTAL Average
6 *	5190.000	94.53	31.73	5.60	36.87	94.99	68.20	26.79	HORIZONTAL Peak

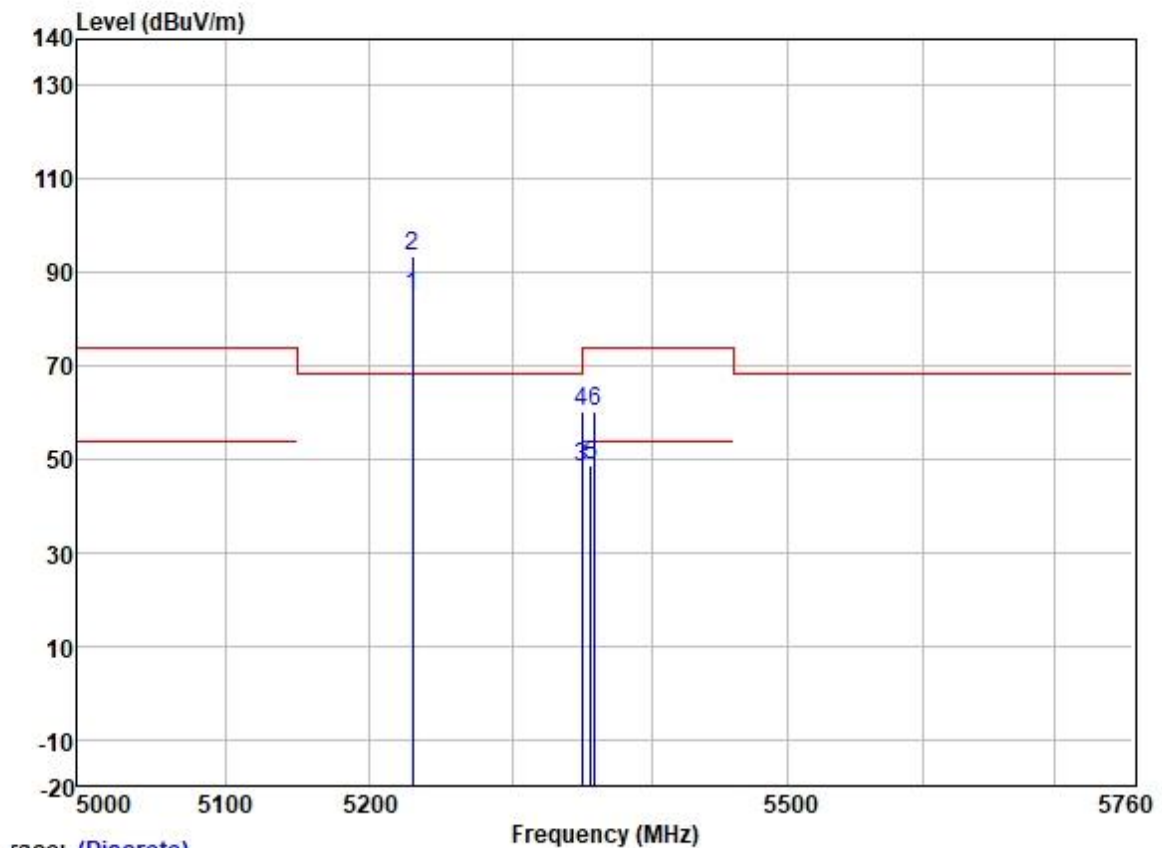
Test Mode: 07; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Trace: (Discrete)

	Freq	Read	Antenna	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	5147.187	48.30	31.72	5.62	36.86	48.78	54.00	-5.22	VERTICAL Average
2	5149.461	60.84	31.72	5.62	36.86	61.32	74.00	-12.68	VERTICAL Peak
3	5149.980	48.08	31.72	5.62	36.86	48.56	54.00	-5.44	VERTICAL Average
4	5149.980	60.48	31.72	5.62	36.86	60.96	74.00	-13.04	VERTICAL Peak
5	5190.000	83.98	31.73	5.60	36.87	84.44	-----	-----	VERTICAL Average
6 *	5190.000	93.74	31.73	5.60	36.87	94.20	68.20	26.00	VERTICAL Peak

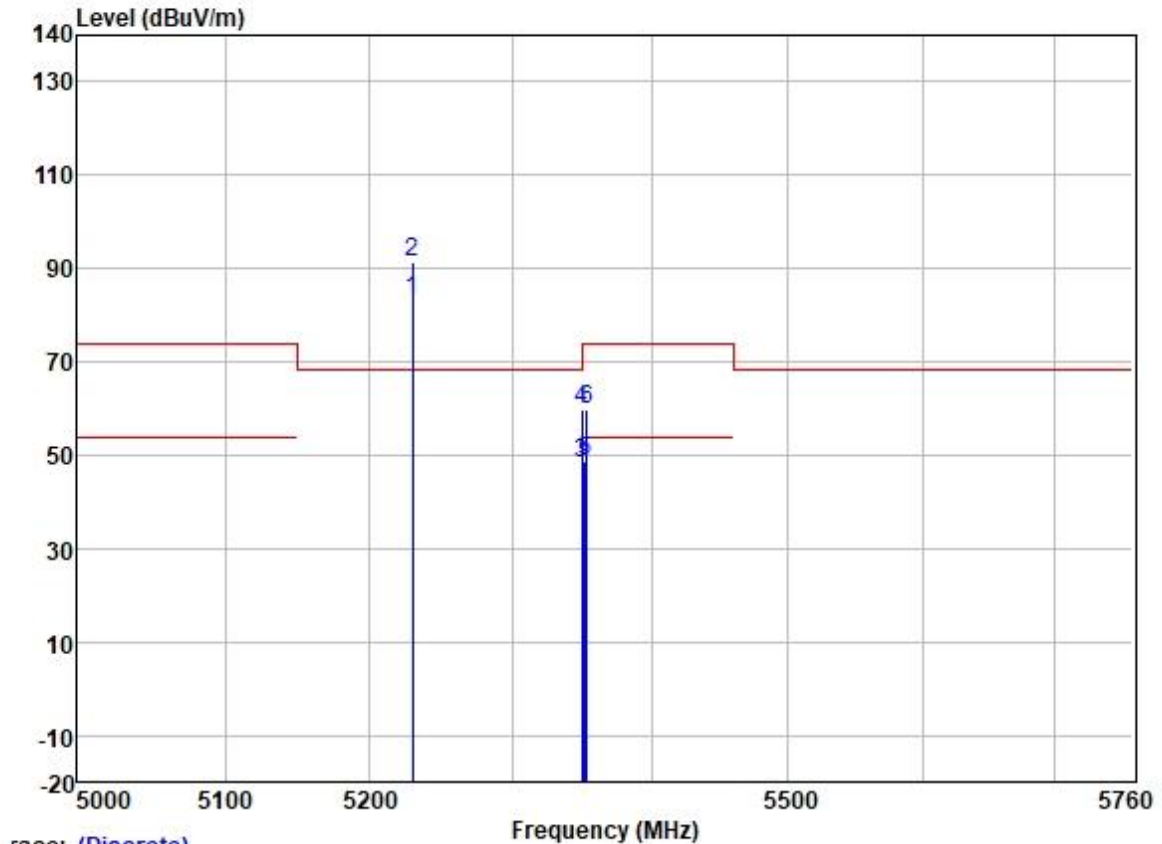
Test Mode: 07; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Trace: (Discrete)

	Freq	Read	Antenna	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	84.35	31.74	5.70	36.87	84.92	-----	-----	HORIZONTAL Average
2 *	5230.000	93.09	31.74	5.70	36.87	93.66	68.20	25.46	HORIZONTAL Peak
3	5350.020	47.28	31.77	6.05	36.88	48.22	54.00	-5.78	HORIZONTAL Average
4	5350.020	59.10	31.77	6.05	36.88	60.04	74.00	-13.96	HORIZONTAL Peak
5	5356.103	47.57	31.78	6.03	36.88	48.50	54.00	-5.50	HORIZONTAL Average
6	5358.701	59.40	31.78	6.03	36.88	60.33	74.00	-13.67	HORIZONTAL Peak

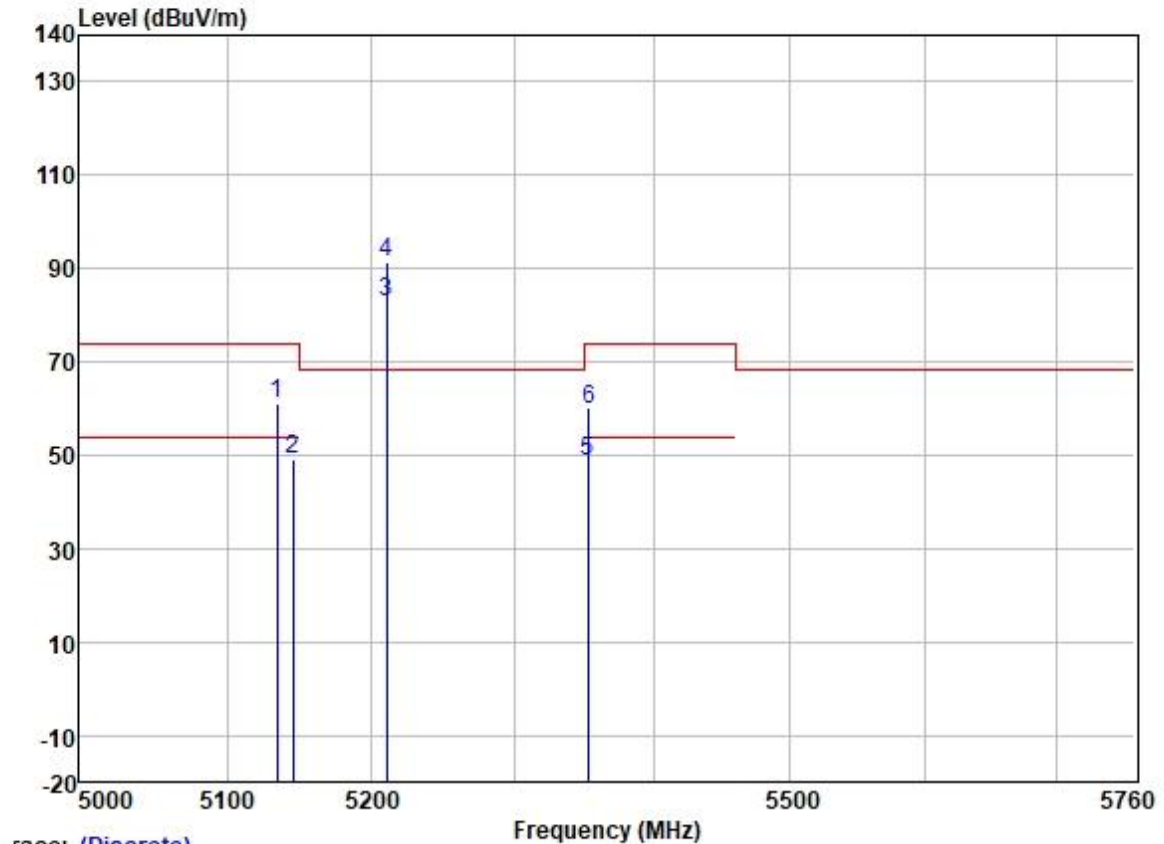
Test Mode: 07; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Trace: (Discrete)

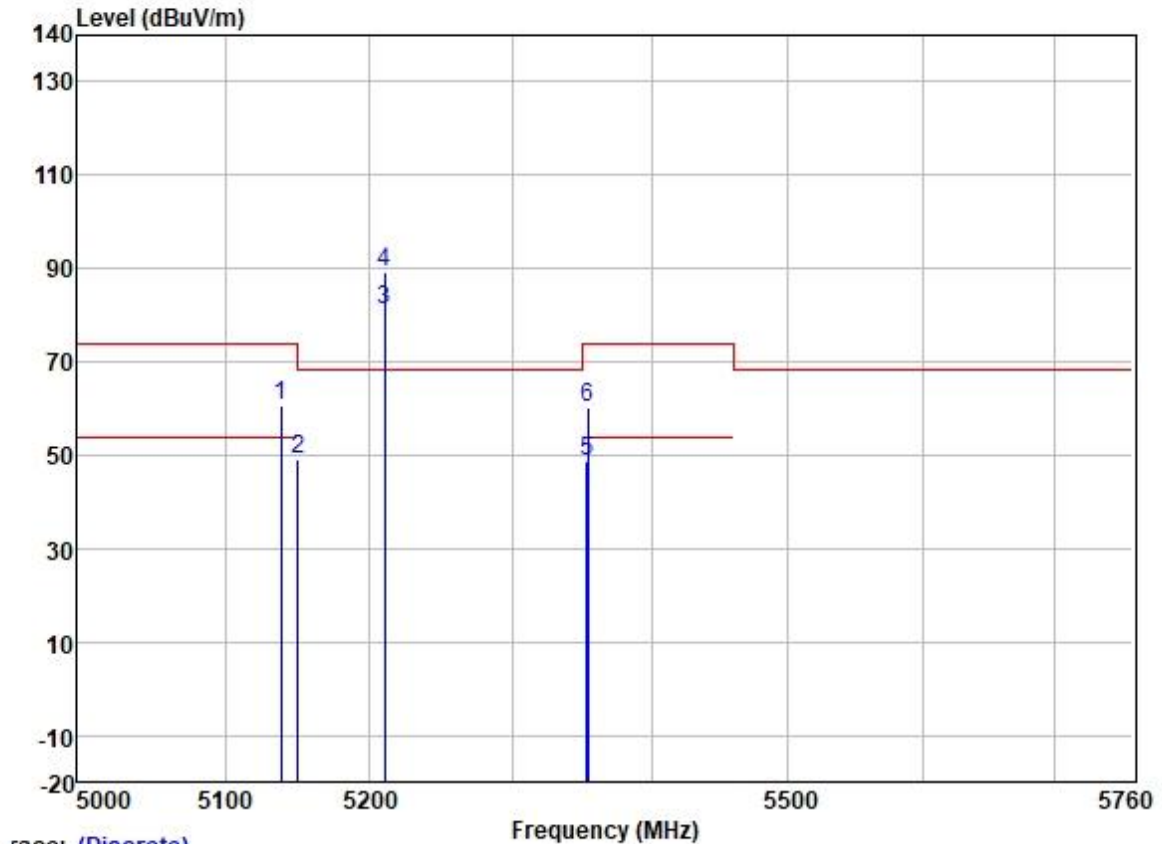
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5230.000	82.60	31.74	5.70	36.87	83.17	-----	-----	VERTICAL Average
2 *	5230.000	90.73	31.74	5.70	36.87	91.30	68.20	23.10	VERTICAL Peak
3	5350.020	47.42	31.77	6.05	36.88	48.36	54.00	-5.64	VERTICAL Average
4	5350.020	58.76	31.77	6.05	36.88	59.70	74.00	-14.30	VERTICAL Peak
5	5351.560	47.59	31.77	6.05	36.88	48.53	54.00	-5.47	VERTICAL Average
6	5353.669	58.90	31.77	6.05	36.88	59.84	74.00	-14.16	VERTICAL Peak

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



	Freq	Read	Antenna	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	5134.094	60.43	31.72	5.63	36.86	60.92	74.00	-13.08	HORIZONTAL Peak
2	5145.083	48.52	31.72	5.62	36.86	49.00	54.00	-5.00	HORIZONTAL Average
3	5210.000	82.49	31.74	5.65	36.87	83.01	-----	-----	HORIZONTAL Average
4 *	5210.000	90.83	31.74	5.65	36.87	91.35	68.20	23.15	HORIZONTAL Peak
5	5352.542	47.62	31.77	6.05	36.88	48.56	54.00	-5.44	HORIZONTAL Average
6	5353.607	59.06	31.77	6.05	36.88	60.00	74.00	-14.00	HORIZONTAL Peak

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



Trace: (Discrete)

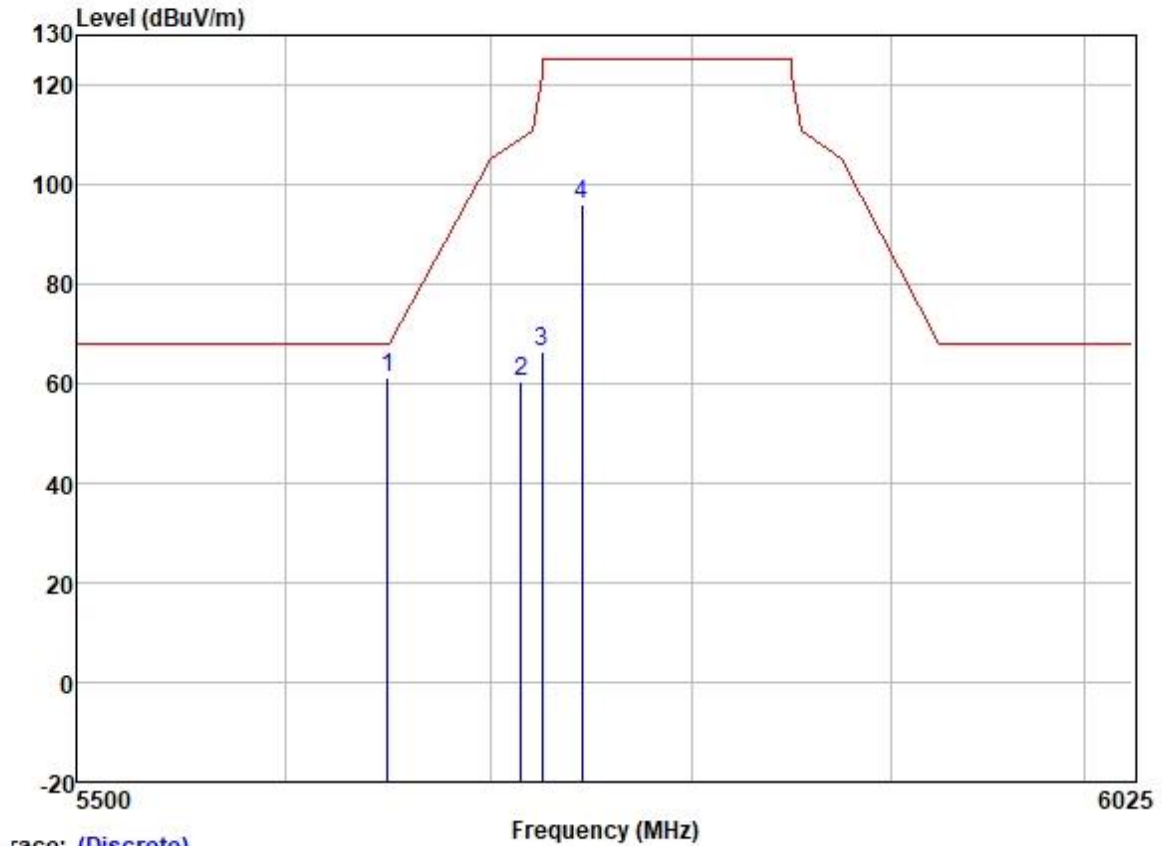
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5138.691	60.17	31.72	5.63	36.86	60.66	74.00	-13.34	VERTICAL
2	5149.690	48.49	31.72	5.62	36.86	48.97	54.00	-5.03	VERTICAL
3	5210.000	80.47	31.74	5.65	36.87	80.99	-----	-----	VERTICAL
4 *	5210.000	88.82	31.74	5.65	36.87	89.34	68.20	21.14	VERTICAL
5	5353.341	47.76	31.77	6.05	36.88	48.70	54.00	-5.30	VERTICAL
6	5353.874	59.39	31.77	6.05	36.88	60.33	74.00	-13.67	VERTICAL



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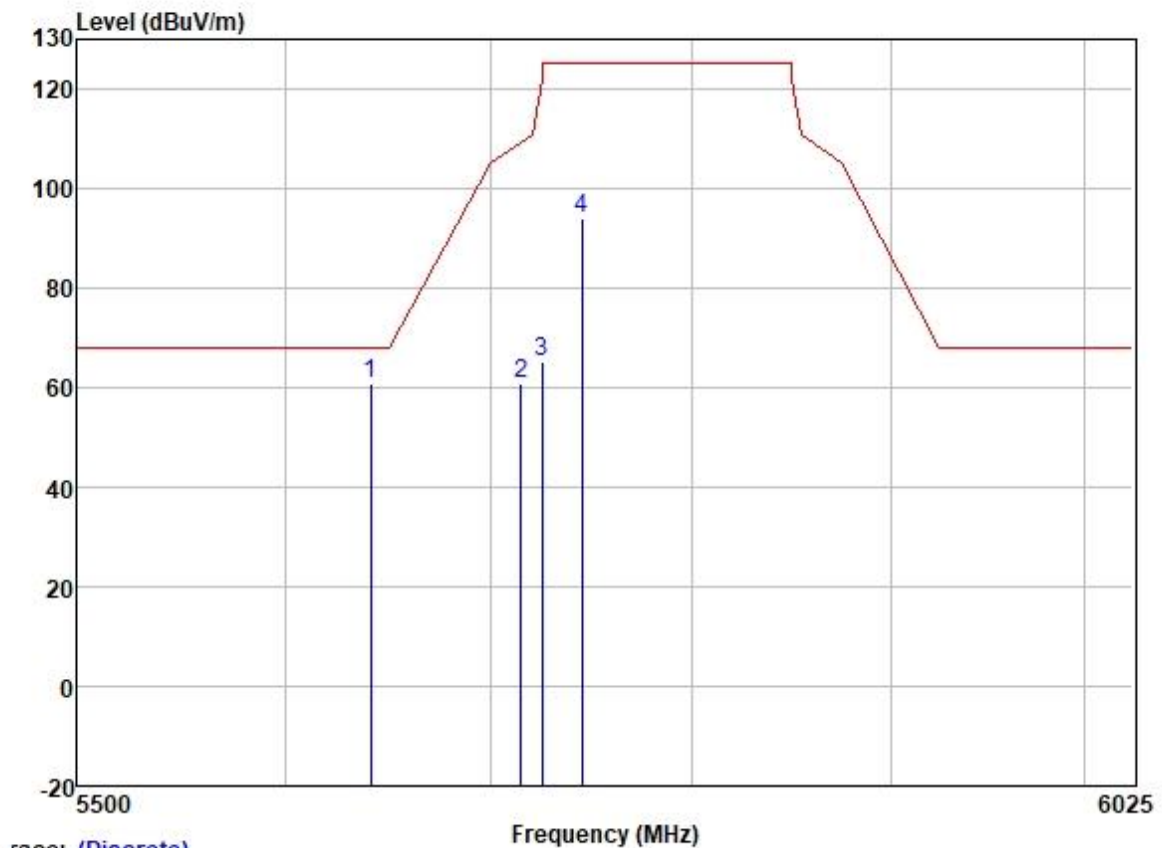
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Test Mode: 09; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



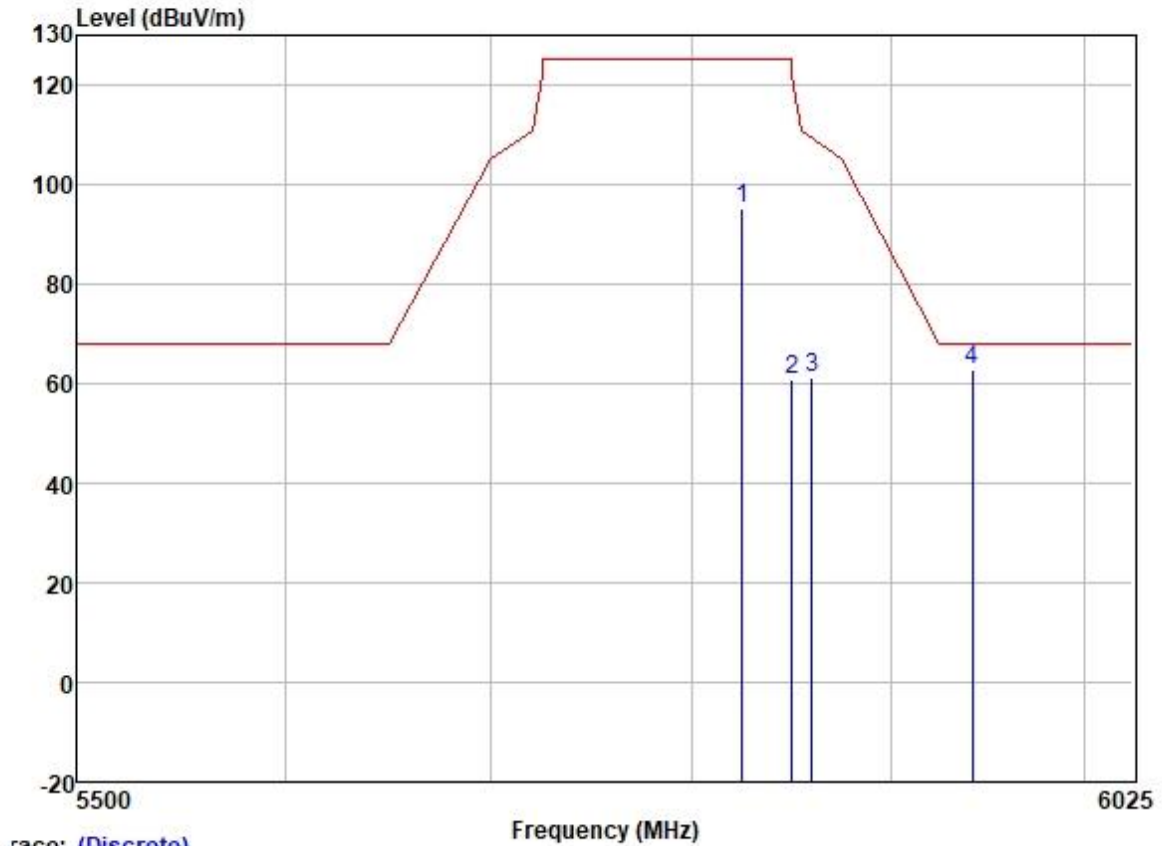
		Read	Antenna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5649.550	59.91	31.95	6.35	36.89	61.32	68.20	-6.88	HORIZONTAL	Peak
2	5715.000	58.87	32.04	6.33	36.89	60.35	109.40	-49.05	HORIZONTAL	Peak
3	5725.000	64.78	32.07	6.25	36.89	66.21	122.20	-55.99	HORIZONTAL	Peak
4	5745.000	94.78	32.10	6.20	36.89	96.19	125.20	-29.01	HORIZONTAL	Peak

Test Mode: 09; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



		Read	Antenna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5640.968	59.57	31.95	6.35	36.89	60.98	68.20	-7.22	VERTICAL	Peak
2	5715.000	59.13	32.04	6.33	36.89	60.61	109.40	-48.79	VERTICAL	Peak
3	5725.000	63.64	32.07	6.25	36.89	65.07	122.20	-57.13	VERTICAL	Peak
4	5745.000	92.60	32.10	6.20	36.89	94.01	125.20	-31.19	VERTICAL	Peak

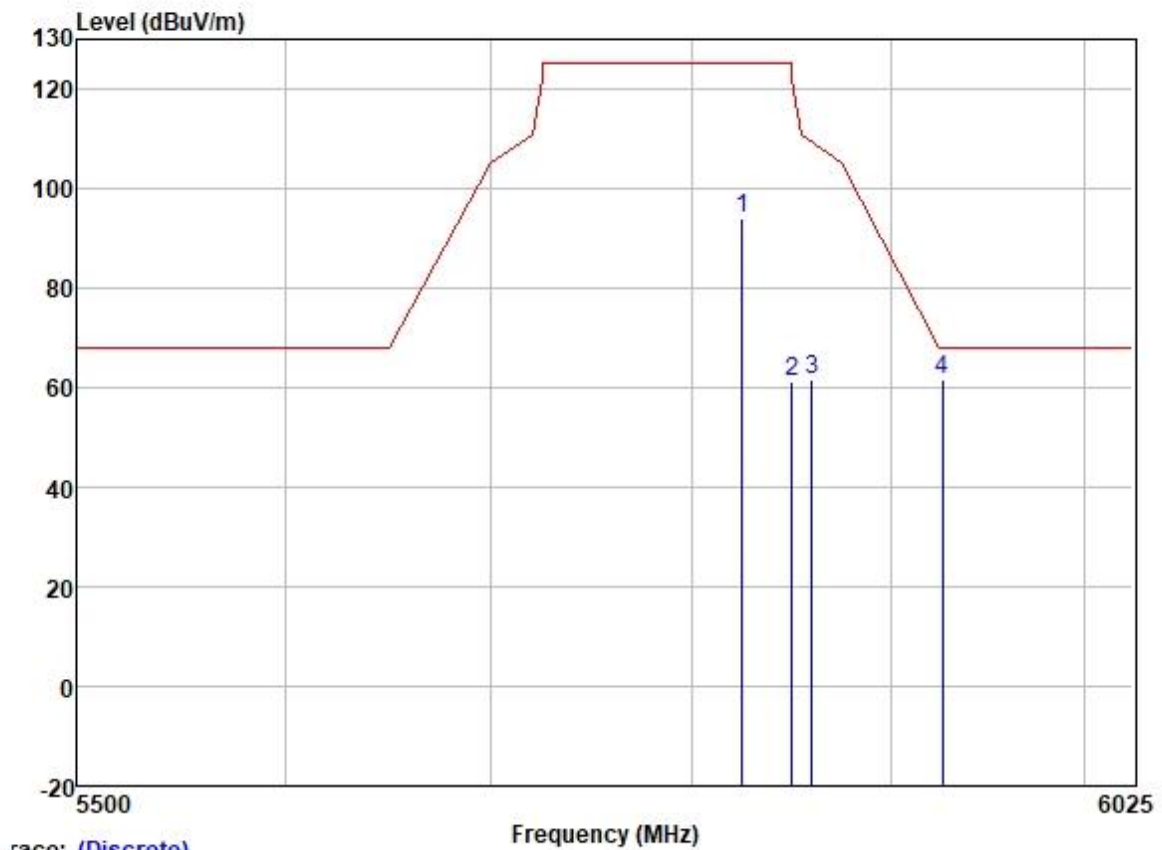
Test Mode: 09; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

		ReadAntenna	Cable	Preamp		Limit	Over			
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5825.000	93.93	32.23	6.04	36.90	95.30	125.20	-29.90	HORIZONTAL	Peak
2	5850.000	59.39	32.25	6.00	36.90	60.74	122.20	-61.46	HORIZONTAL	Peak
3	5860.000	59.87	32.27	5.96	36.90	61.20	109.40	-48.20	HORIZONTAL	Peak
4	5942.017	61.12	32.36	6.05	36.90	62.63	68.20	-5.57	HORIZONTAL	Peak

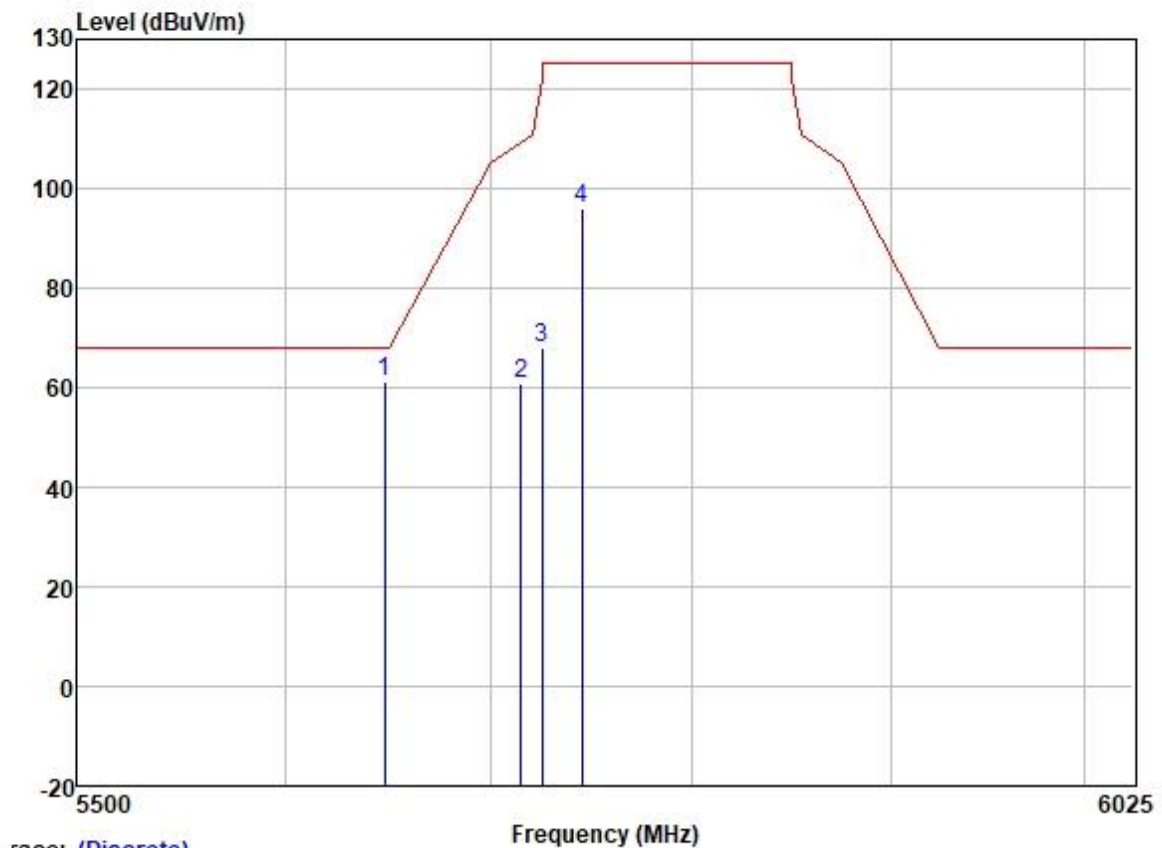
Test Mode: 09; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Limit Level	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dB		
1	5825.000	92.53	32.23	6.04	36.90	93.90	125.20	-31.30	VERTICAL Peak
2	5850.000	59.75	32.25	6.00	36.90	61.10	122.20	-61.10	VERTICAL Peak
3	5860.000	60.33	32.27	5.96	36.90	61.66	109.40	-47.74	VERTICAL Peak
4	5926.810	60.23	32.34	6.00	36.90	61.67	68.20	-6.53	VERTICAL Peak

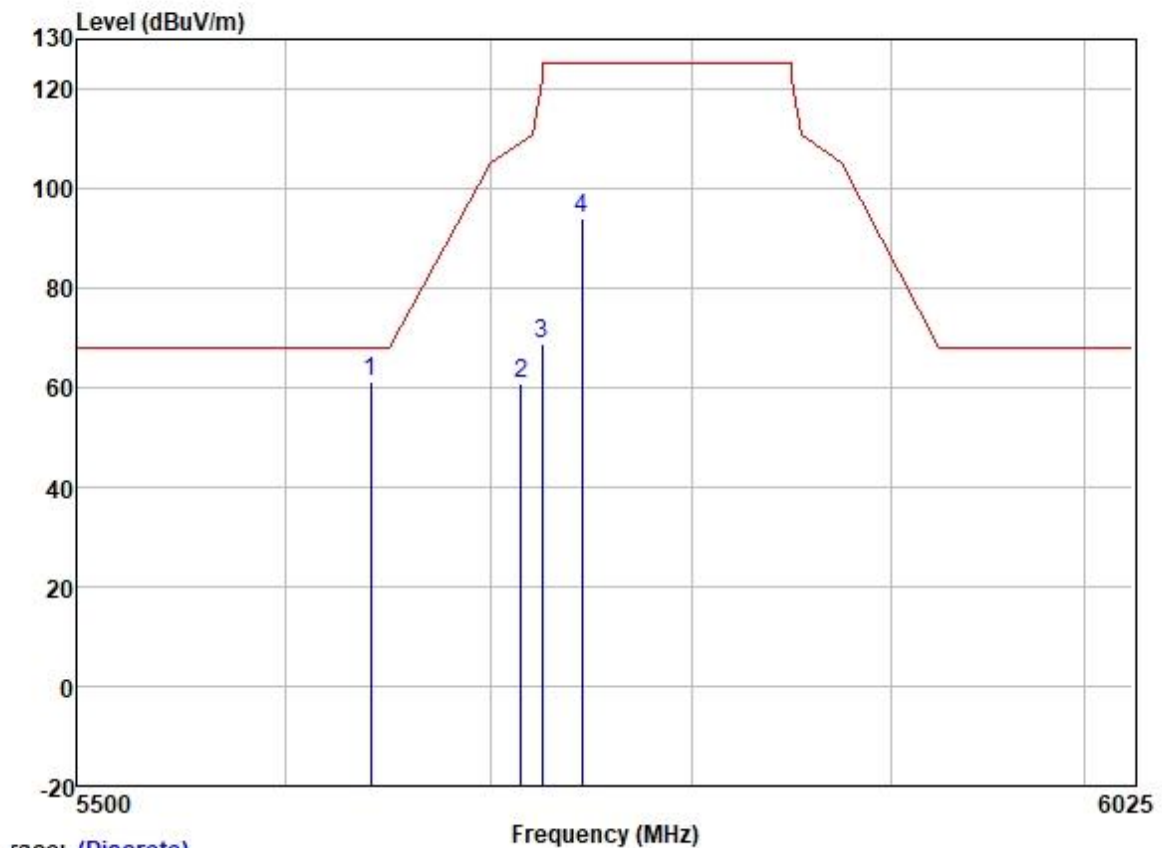
Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

	Freq	Read	Antenna	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	5647.750	59.80	31.95	6.35	36.89	61.21	68.20	-6.99	HORIZONTAL Peak
2	5715.000	59.30	32.04	6.33	36.89	60.78	109.40	-48.62	HORIZONTAL Peak
3	5725.000	66.54	32.07	6.25	36.89	67.97	122.20	-54.23	HORIZONTAL Peak
4	5745.000	94.76	32.10	6.20	36.89	96.17	125.20	-29.03	HORIZONTAL Peak

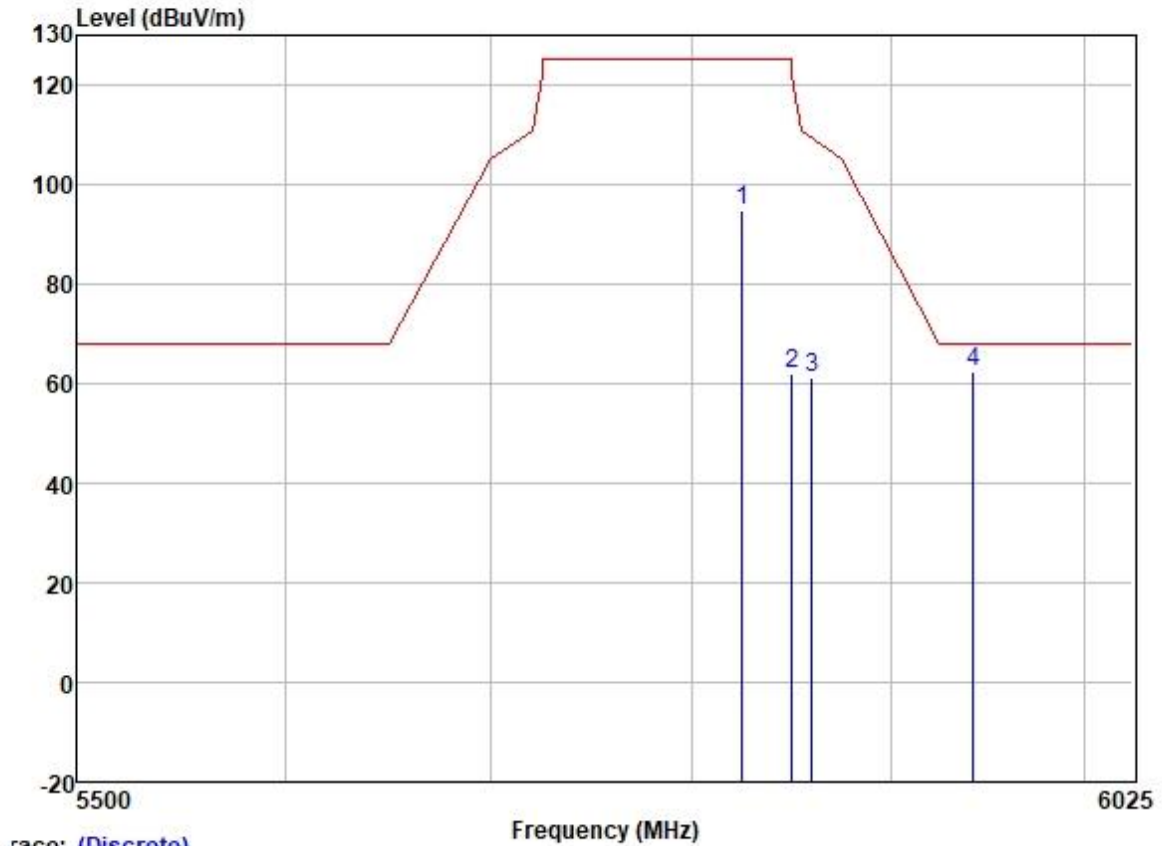
Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

		ReadAntenna	Cable	Preamp		Limit	Over			
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5641.245	59.72	31.95	6.35	36.89	61.13	68.20	-7.07	VERTICAL	Peak
2	5715.000	59.24	32.04	6.33	36.89	60.72	109.40	-48.68	VERTICAL	Peak
3	5725.000	67.25	32.07	6.25	36.89	68.68	122.20	-53.52	VERTICAL	Peak
4	5745.000	92.60	32.10	6.20	36.89	94.01	125.20	-31.19	VERTICAL	Peak

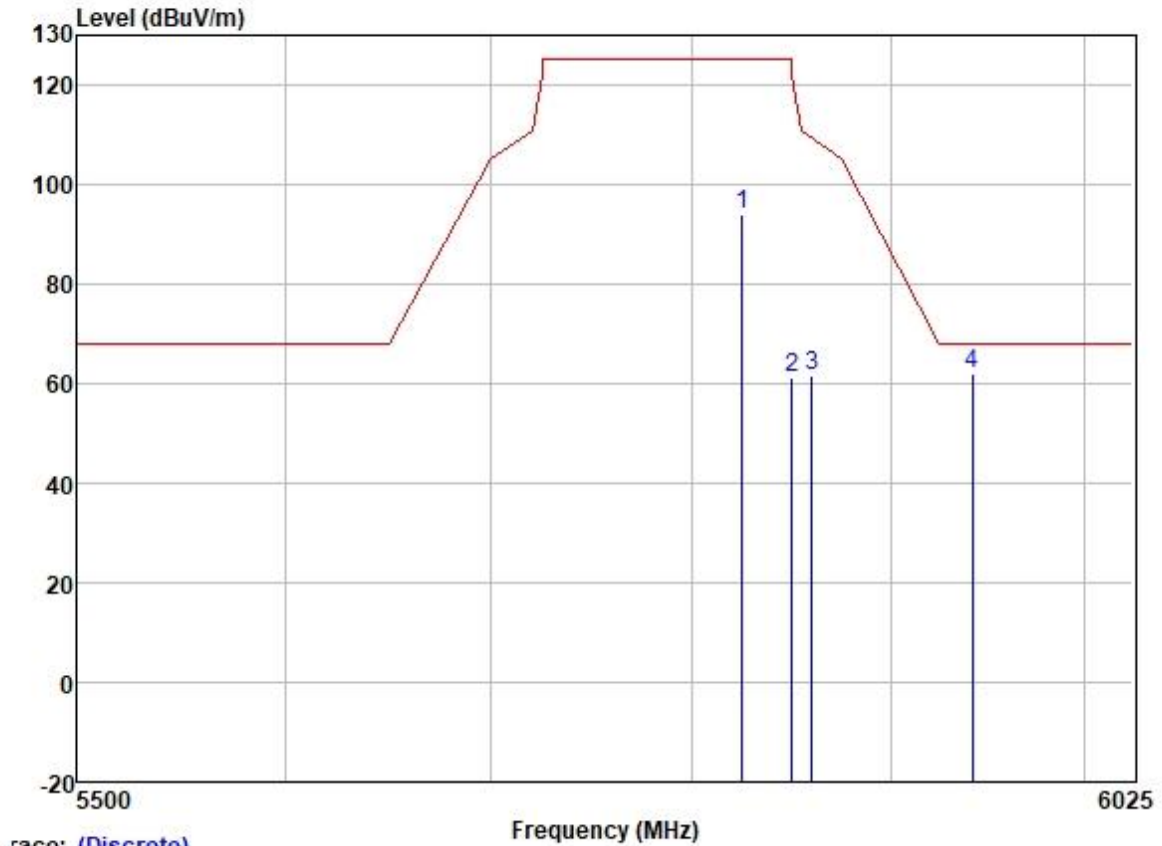
Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dB		
1	5825.000	93.60	32.23	6.04	36.90	94.97	125.20	-30.23	HORIZONTAL Peak
2	5850.000	60.68	32.25	6.00	36.90	62.03	122.20	-60.17	HORIZONTAL Peak
3	5860.000	60.02	32.27	5.96	36.90	61.35	109.40	-48.05	HORIZONTAL Peak
4	5942.331	60.82	32.36	6.05	36.90	62.33	68.20	-5.87	HORIZONTAL Peak

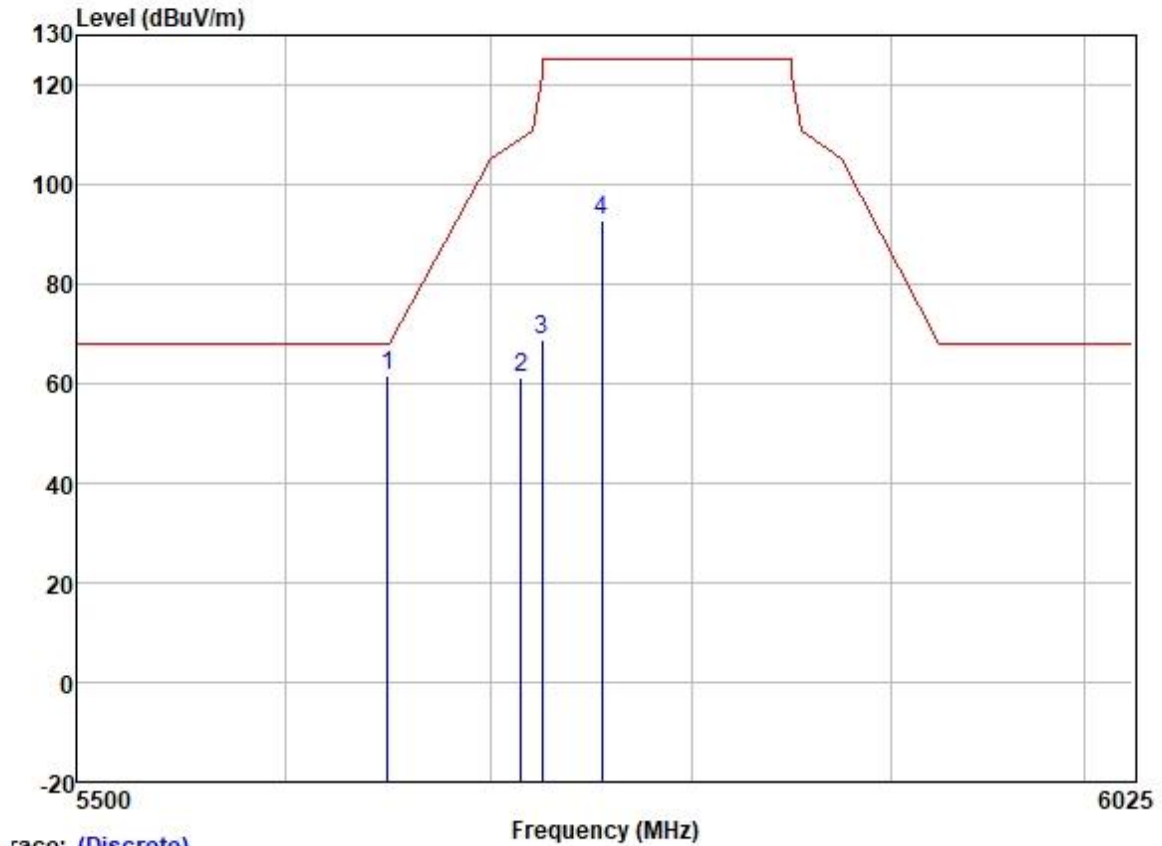
Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

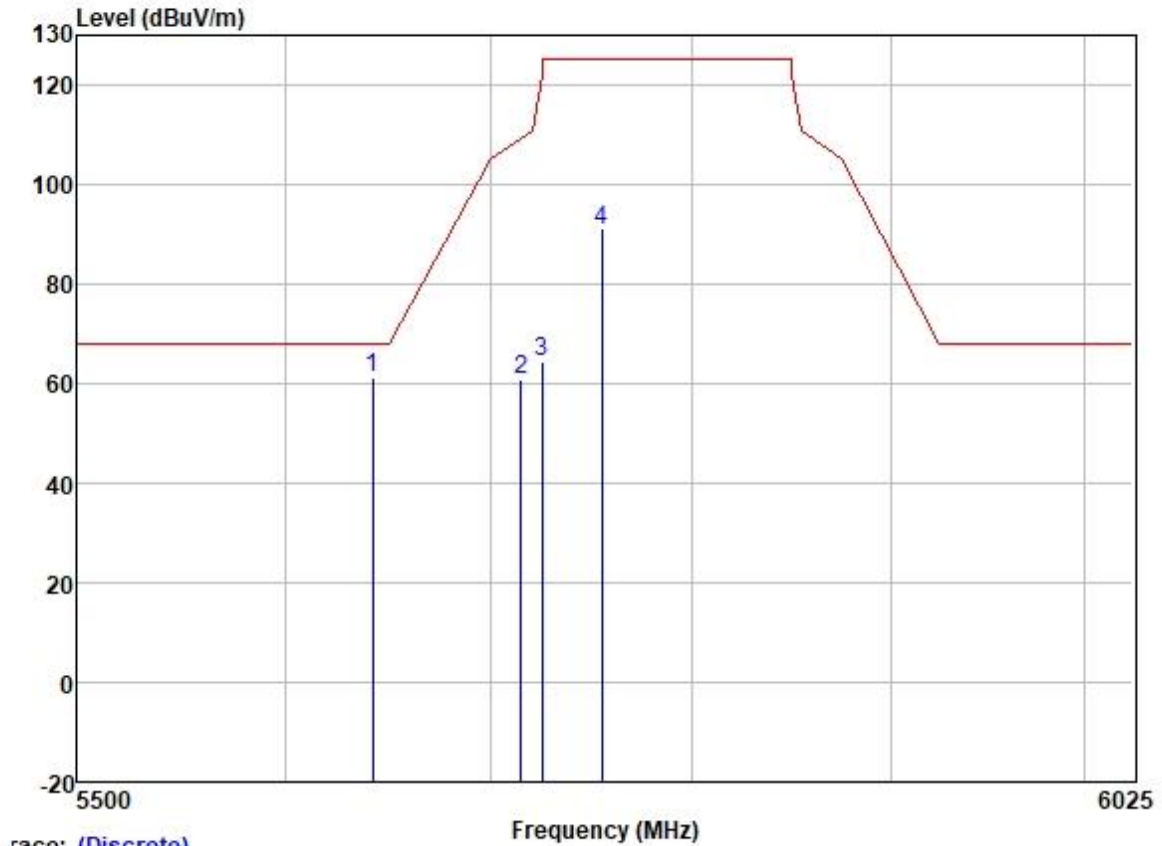
	Freq	ReadAntenna	Cable	Preamp	Limit	Over			
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5825.000	92.76	32.23	6.04	36.90	94.13	125.20	-31.07	VERTICAL Peak
2	5850.000	59.70	32.25	6.00	36.90	61.05	122.20	-61.15	VERTICAL Peak
3	5860.000	60.24	32.27	5.96	36.90	61.57	109.40	-47.83	VERTICAL Peak
4	5941.703	60.57	32.36	6.05	36.90	62.08	68.20	-6.12	VERTICAL Peak

Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



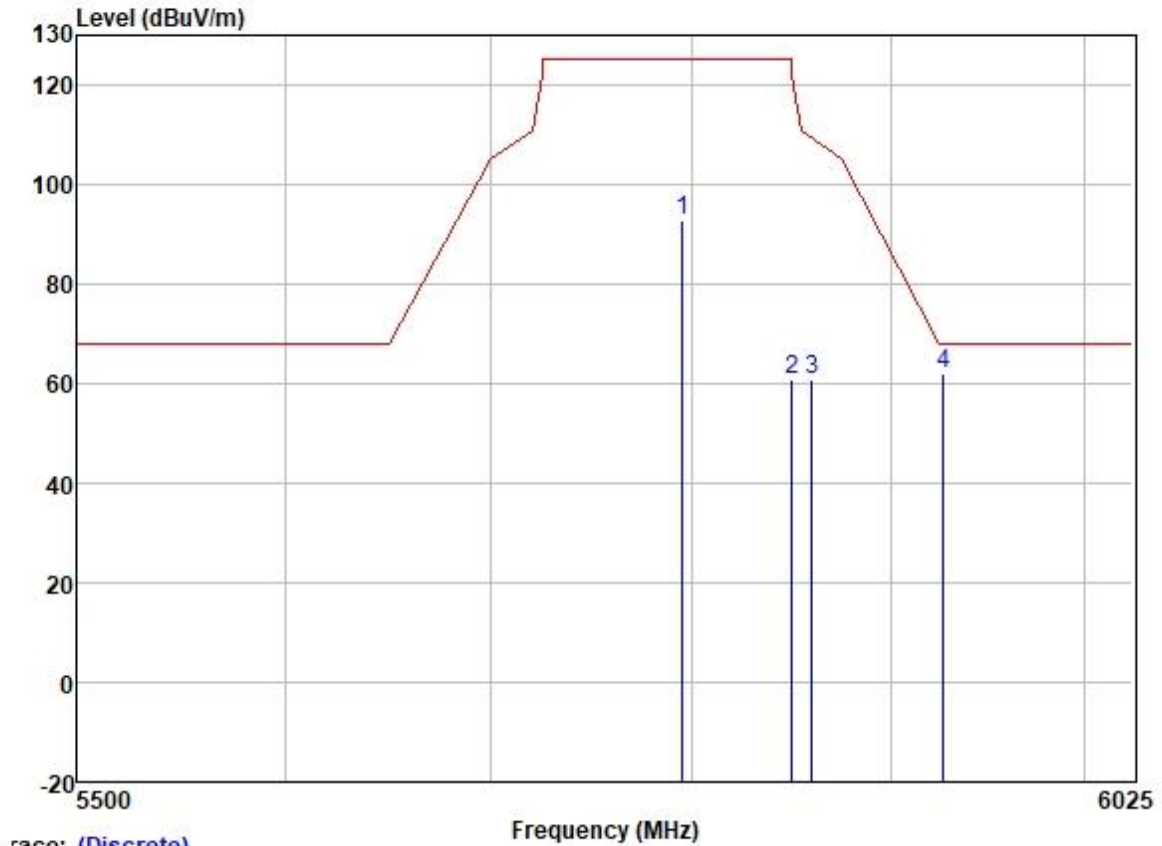
		Read	Antenna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5649.182	60.11	31.95	6.35	36.89	61.52	68.20	-6.68	HORIZONTAL	Peak
2	5715.000	59.59	32.04	6.33	36.89	61.07	109.40	-48.33	HORIZONTAL	Peak
3	5725.000	67.21	32.07	6.25	36.89	68.64	122.20	-53.56	HORIZONTAL	Peak
4	5755.000	91.44	32.10	6.20	36.89	92.85	125.20	-32.35	HORIZONTAL	Peak

Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; 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	5642.141	59.80	31.95	6.35	36.89	61.21	68.20	-6.99	VERTICAL	Peak
2	5715.000	59.33	32.04	6.33	36.89	60.81	109.40	-48.59	VERTICAL	Peak
3	5725.000	63.13	32.07	6.25	36.89	64.56	122.20	-57.64	VERTICAL	Peak
4	5755.000	89.59	32.10	6.20	36.89	91.00	125.20	-34.20	VERTICAL	Peak

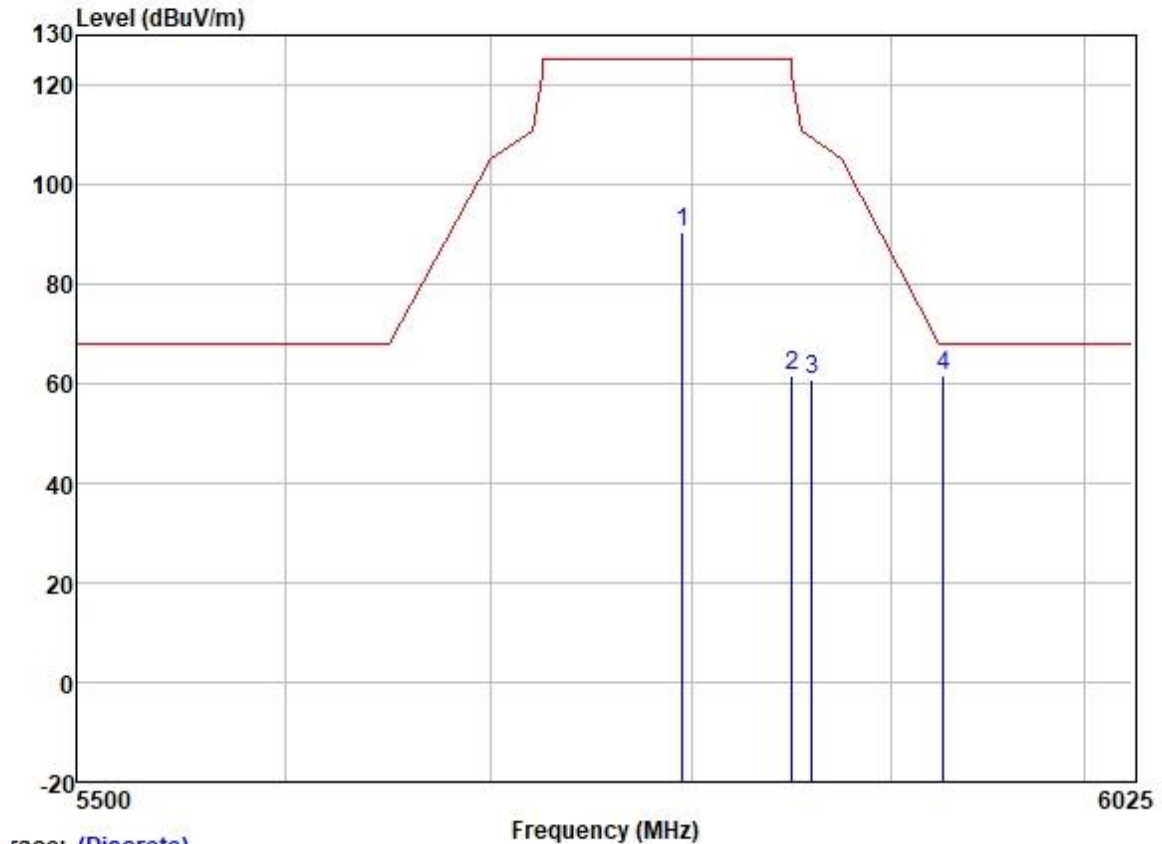
Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Trace: (Discrete)

	Freq	Read	Antenna	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	5795.000	91.38	32.19	6.10	36.89	92.78	125.20	-32.42	HORIZONTAL Peak
2	5850.000	59.34	32.25	6.00	36.90	60.69	122.20	-61.51	HORIZONTAL Peak
3	5860.000	59.44	32.27	5.96	36.90	60.77	109.40	-48.63	HORIZONTAL Peak
4	5926.921	60.63	32.34	6.00	36.90	62.07	68.20	-6.13	HORIZONTAL Peak

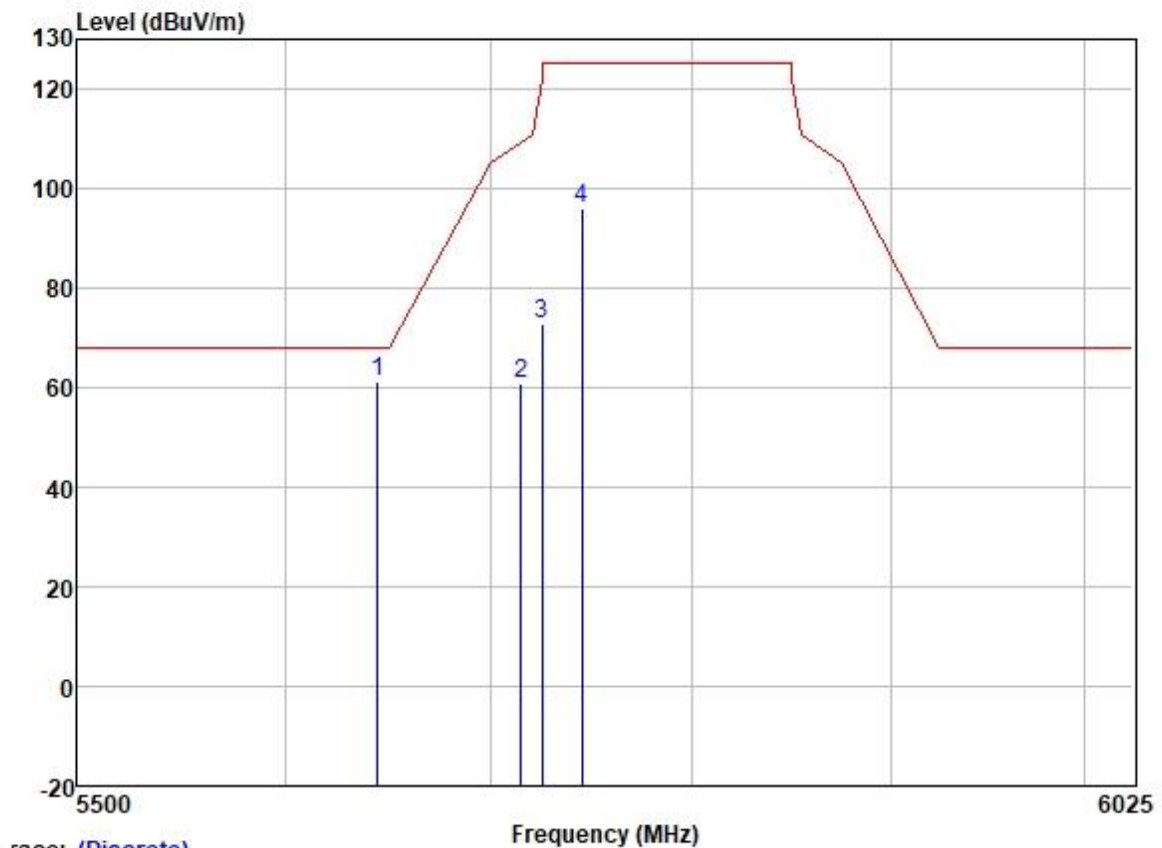
Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Trace: (Discrete)

		Read	Antenna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5795.000	89.18	32.19	6.10	36.89	90.58	125.20	-34.62	VERTICAL	Peak
2	5850.000	60.08	32.25	6.00	36.90	61.43	122.20	-60.77	VERTICAL	Peak
3	5860.000	59.53	32.27	5.96	36.90	60.86	109.40	-48.54	VERTICAL	Peak
4	5927.124	60.24	32.34	6.00	36.90	61.68	68.20	-6.52	VERTICAL	Peak

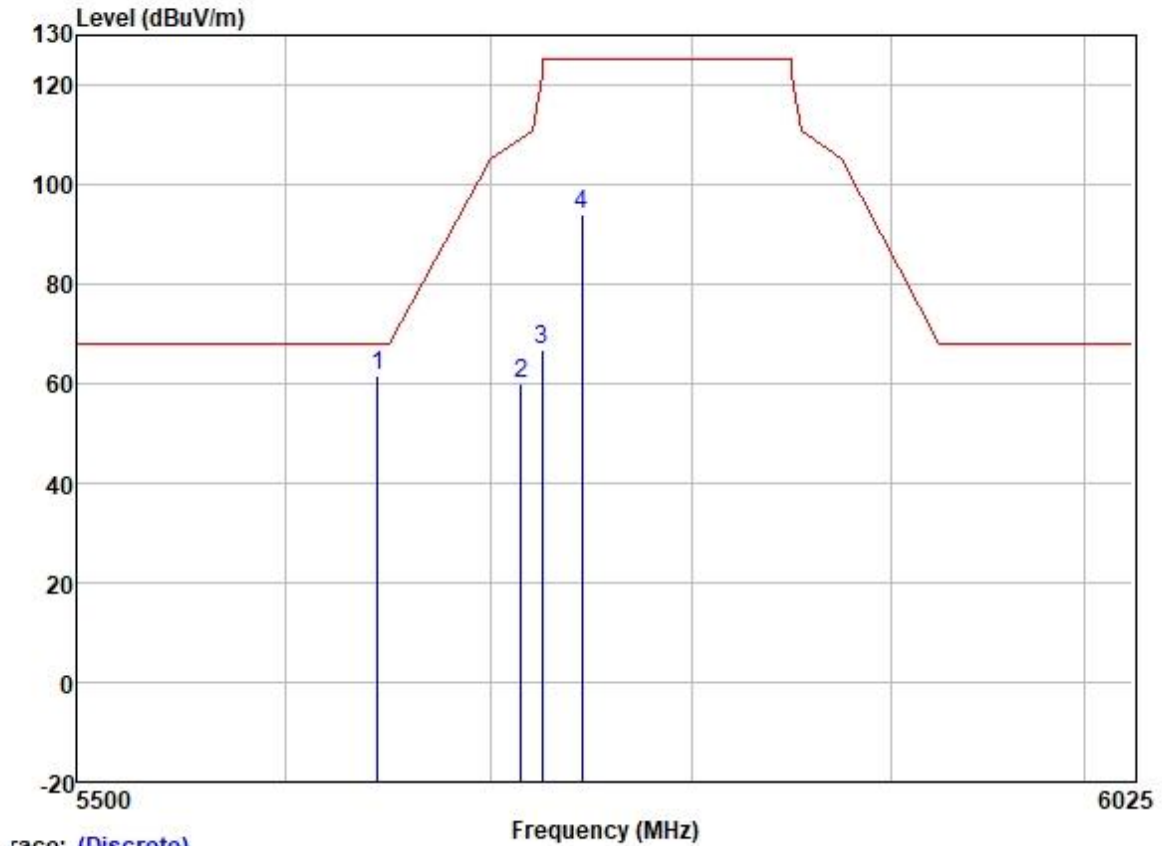
Test Mode: 09; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

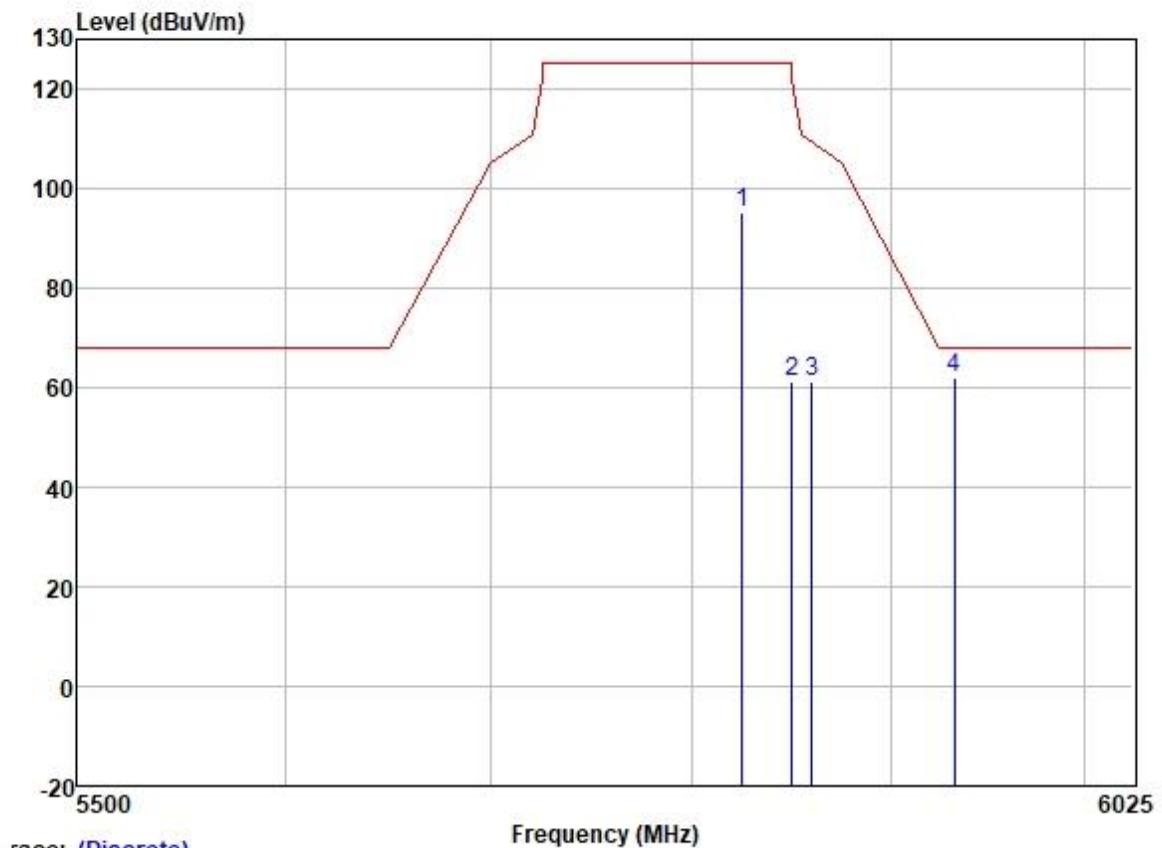
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5644.427	59.77	31.95	6.35	36.89	61.18	68.20	-7.02	HORIZONTAL	Peak
2	5715.000	59.45	32.04	6.33	36.89	60.93	109.40	-48.47	HORIZONTAL	Peak
3	5725.000	71.37	32.07	6.25	36.89	72.80	122.20	-49.40	HORIZONTAL	Peak
4	5745.000	94.70	32.10	6.20	36.89	96.11	125.20	-29.09	HORIZONTAL	Peak

Test Mode: 09; Polarity: Vertical; Modulation:802.11ac; 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	5644.565	60.05	31.95	6.35	36.89	61.46	68.20	-6.74	VERTICAL Peak
2	5715.000	58.59	32.04	6.33	36.89	60.07	109.40	-49.33	VERTICAL Peak
3	5725.000	65.33	32.07	6.25	36.89	66.76	122.20	-55.44	VERTICAL Peak
4	5745.000	92.72	32.10	6.20	36.89	94.13	125.20	-31.07	VERTICAL Peak

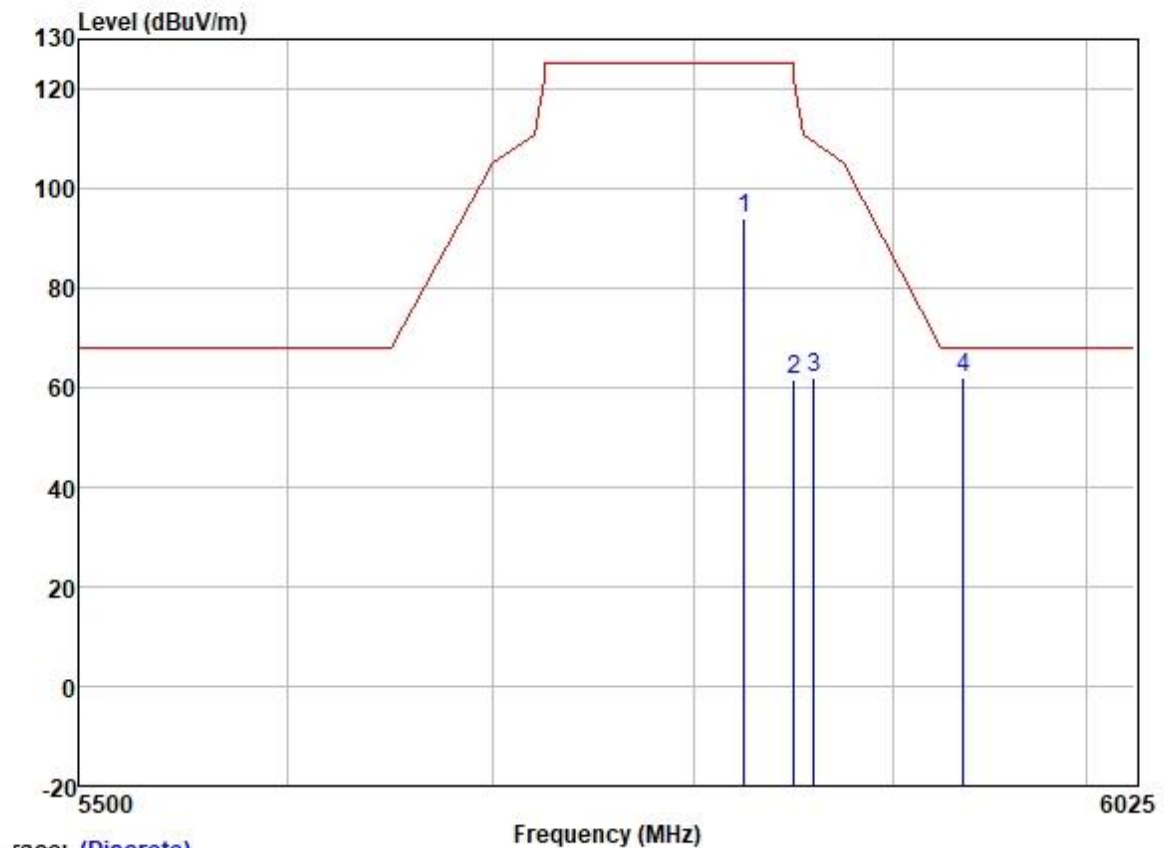
Test Mode: 09; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

	Freq	Read	Antenna	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	5825.000	93.72	32.23	6.04	36.90	95.09	125.20	-30.11	HORIZONTAL Peak
2	5850.000	59.82	32.25	6.00	36.90	61.17	122.20	-61.03	HORIZONTAL Peak
3	5860.000	59.87	32.27	5.96	36.90	61.20	109.40	-48.20	HORIZONTAL Peak
4	5932.919	60.57	32.34	6.00	36.90	62.01	68.20	-6.19	HORIZONTAL Peak

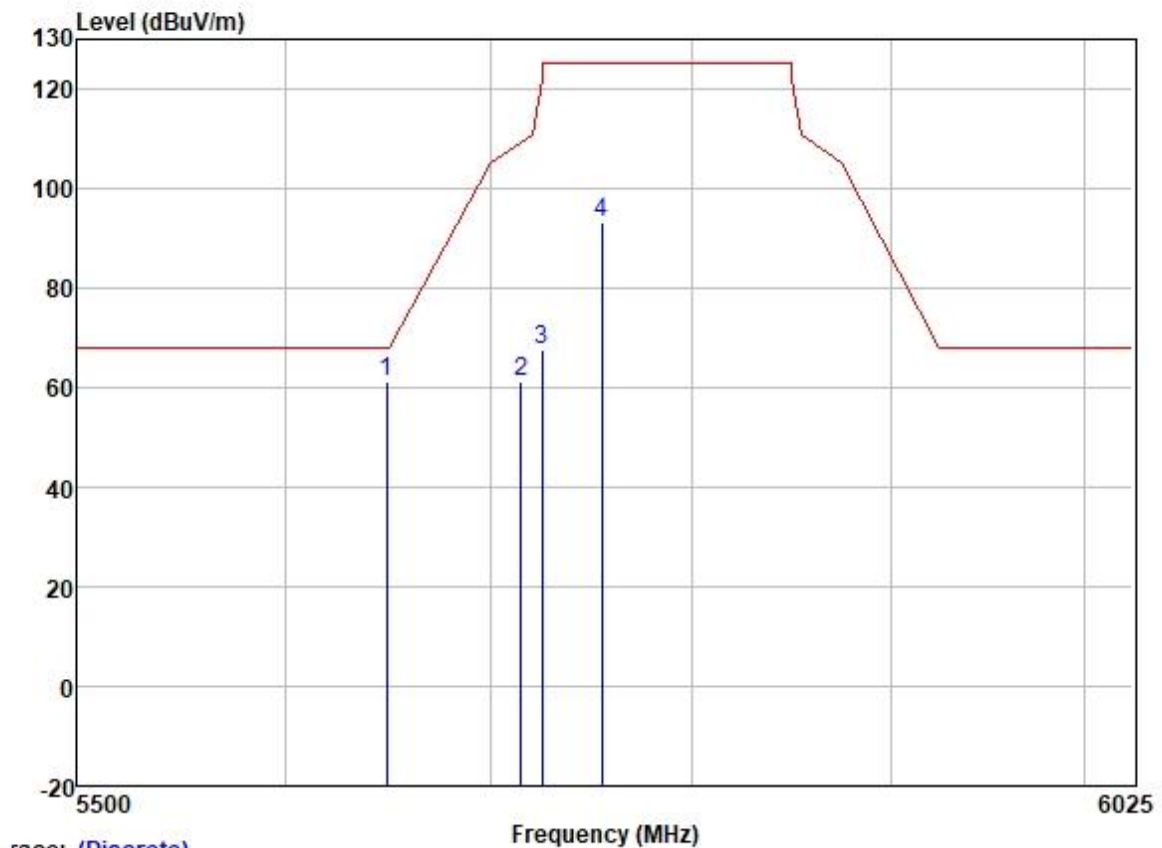
Test Mode: 09; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

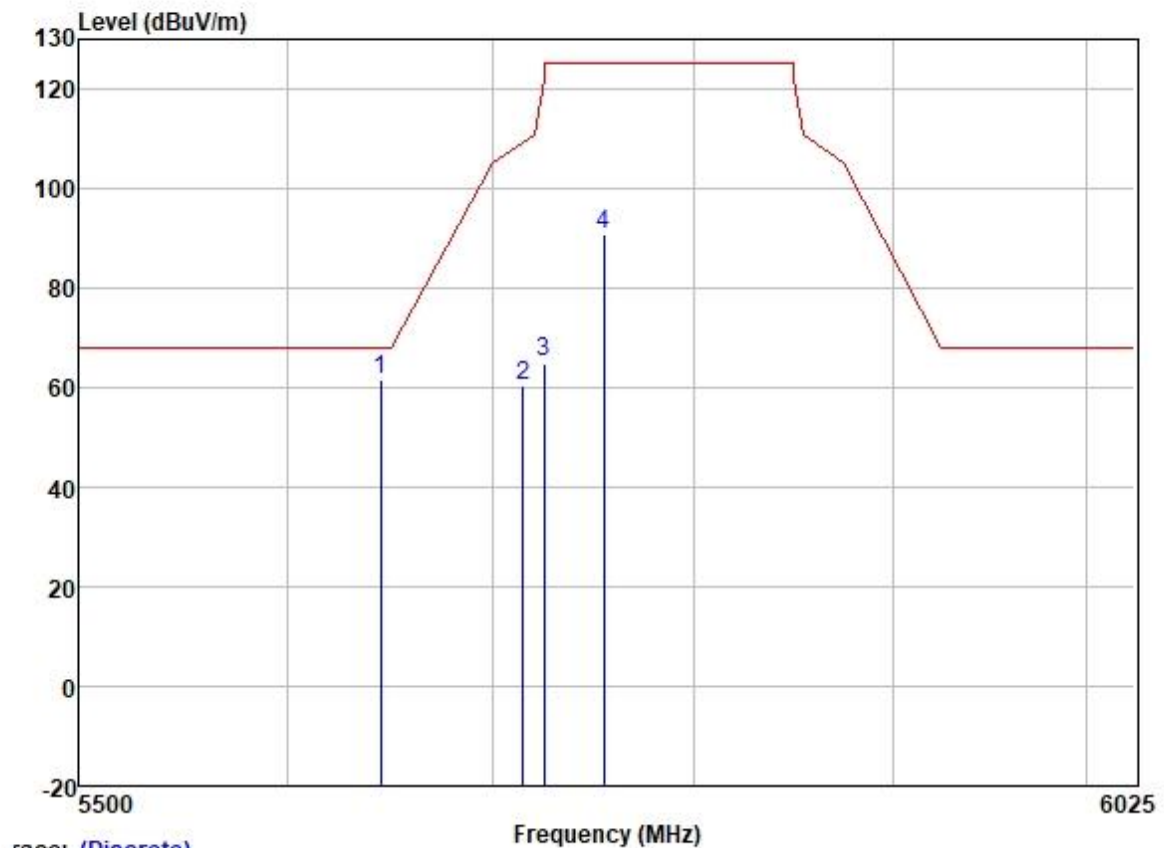
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Limit Level	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dB		
1	5825.000	92.61	32.23	6.04	36.90	93.98	125.20	-31.22	VERTICAL Peak
2	5850.000	60.08	32.25	6.00	36.90	61.43	122.20	-60.77	VERTICAL Peak
3	5860.000	60.63	32.27	5.96	36.90	61.96	109.40	-47.44	VERTICAL Peak
4	5936.368	60.37	32.34	6.00	36.90	61.81	68.20	-6.39	VERTICAL Peak

Test Mode: 09; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



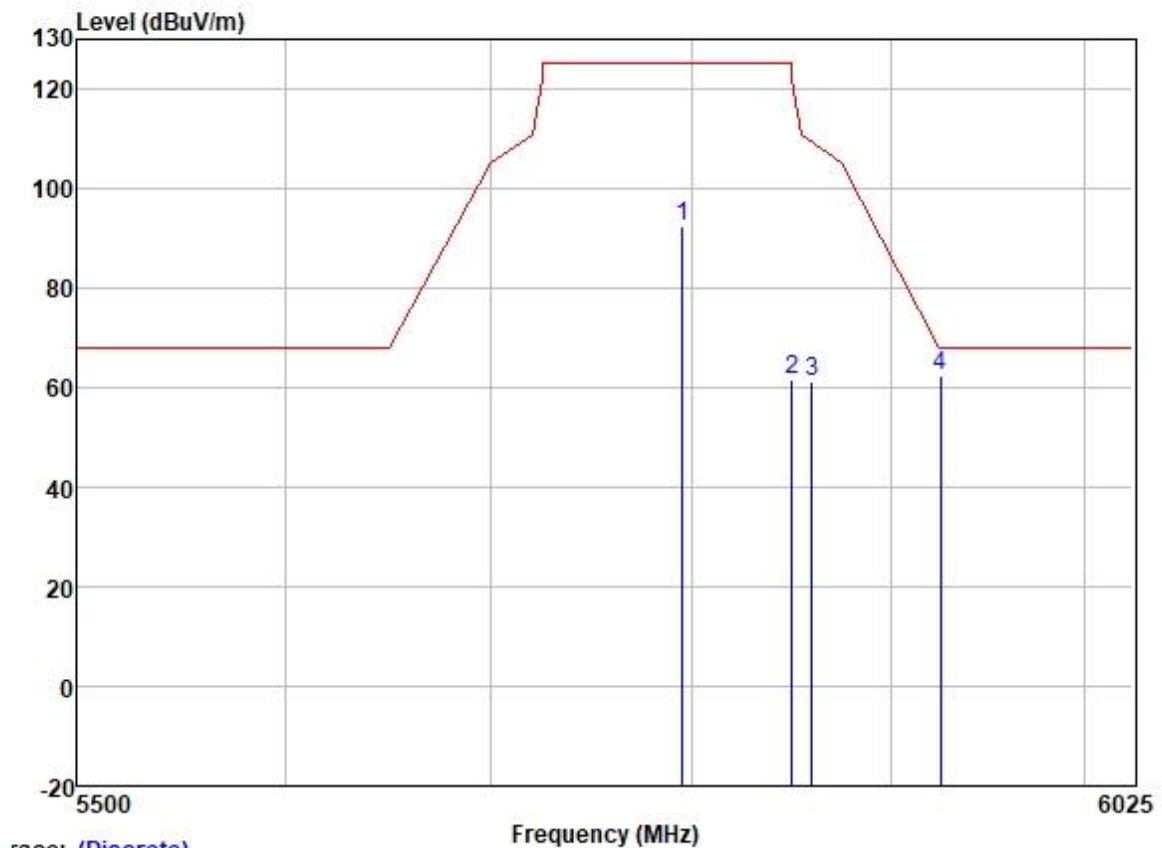
		Read	Antenna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5648.723	59.84	31.95	6.35	36.89	61.25	68.20	-6.95	HORIZONTAL	Peak
2	5715.000	59.73	32.04	6.33	36.89	61.21	109.40	-48.19	HORIZONTAL	Peak
3	5725.000	66.18	32.07	6.25	36.89	67.61	122.20	-54.59	HORIZONTAL	Peak
4	5755.000	91.61	32.10	6.20	36.89	93.02	125.20	-32.18	HORIZONTAL	Peak

Test Mode: 09; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; 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	5645.048	60.37	31.95	6.35	36.89	61.78	68.20	-6.42	VERTICAL Peak
2	5715.000	58.94	32.04	6.33	36.89	60.42	109.40	-48.98	VERTICAL Peak
3	5725.000	63.57	32.07	6.25	36.89	65.00	122.20	-57.20	VERTICAL Peak
4	5755.000	89.55	32.10	6.20	36.89	90.96	125.20	-34.24	VERTICAL Peak

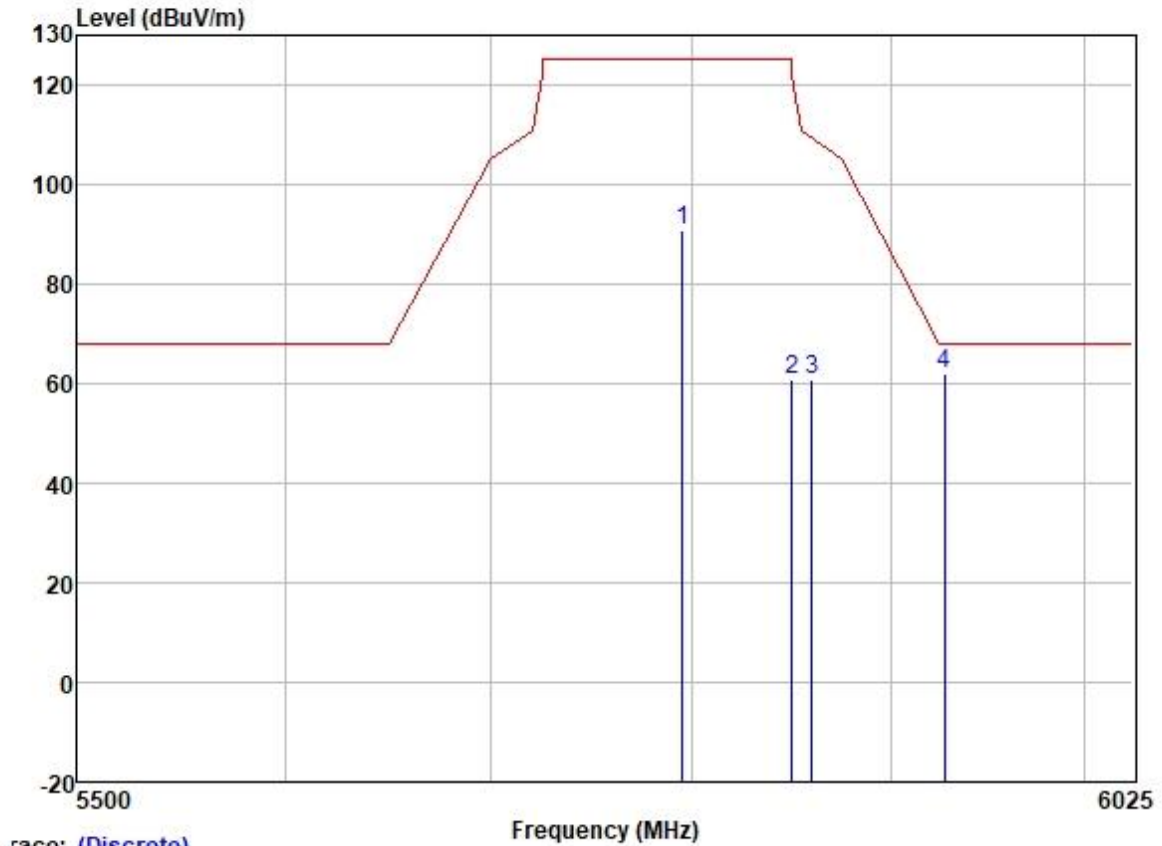
Test Mode: 09; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Trace: (Discrete)

		Read	Antenna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5795.000	91.17	32.19	6.10	36.89	92.57	125.20	-32.63	HORIZONTAL	Peak
2	5850.000	60.24	32.25	6.00	36.90	61.59	122.20	-60.61	HORIZONTAL	Peak
3	5860.000	59.99	32.27	5.96	36.90	61.32	109.40	-48.08	HORIZONTAL	Peak
4	5925.501	61.11	32.34	6.00	36.90	62.55	68.20	-5.65	HORIZONTAL	Peak

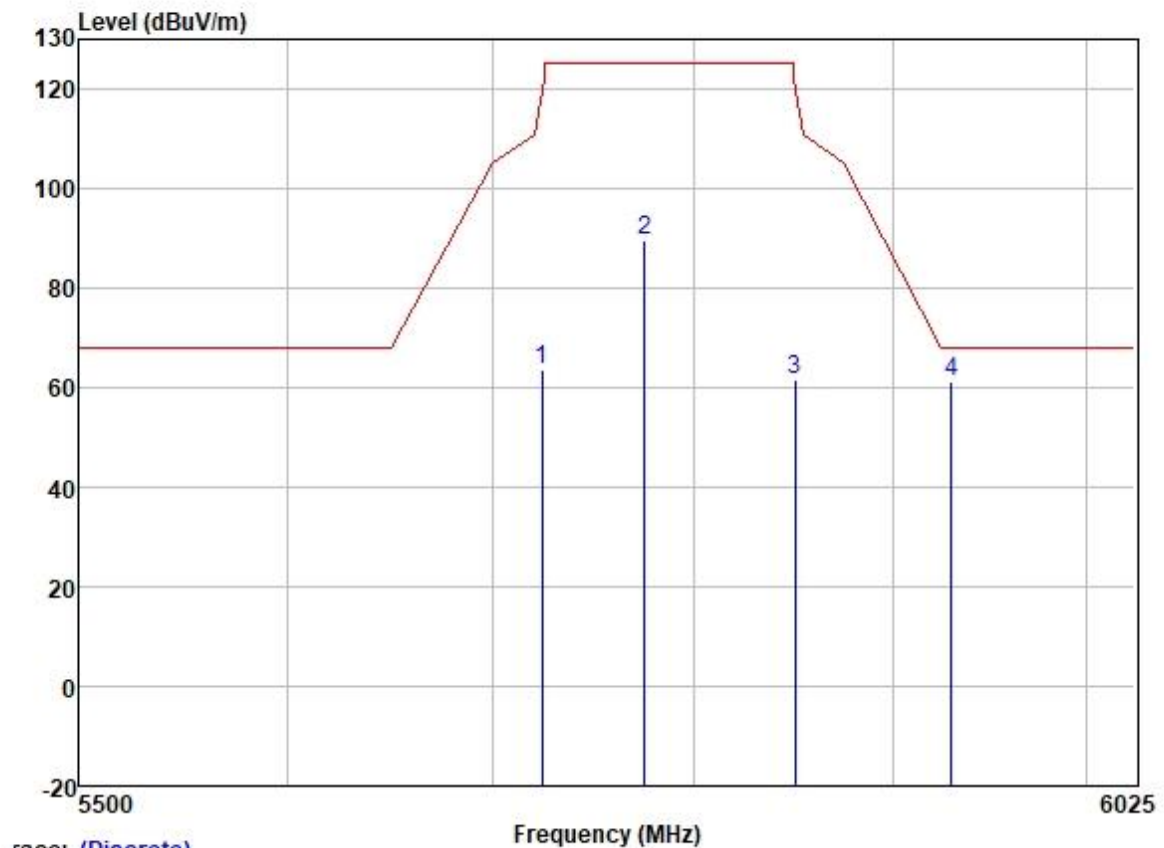
Test Mode: 09; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Trace: (Discrete)

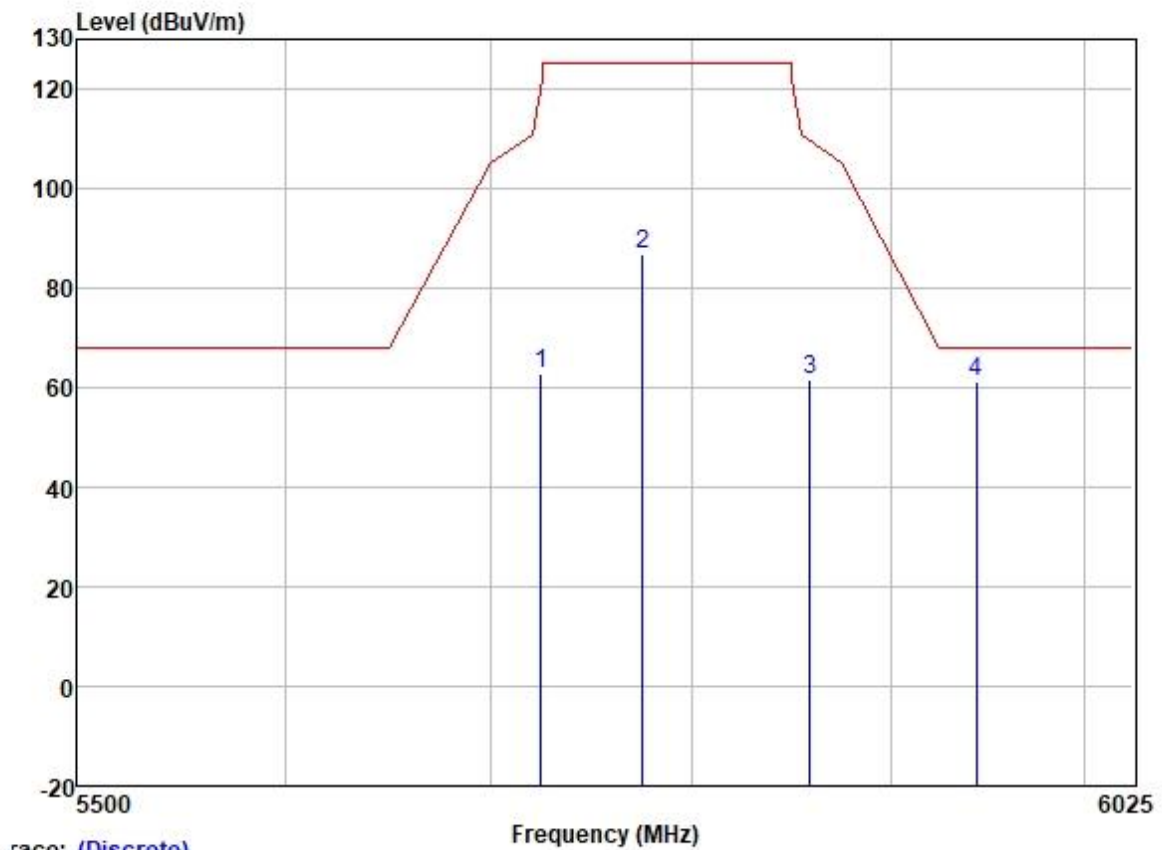
		Read	Antenna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5795.000	89.26	32.19	6.10	36.89	90.66	125.20	-34.54	VERTICAL	Peak
2	5850.000	59.58	32.25	6.00	36.90	60.93	122.20	-61.27	VERTICAL	Peak
3	5860.000	59.55	32.27	5.96	36.90	60.88	109.40	-48.52	VERTICAL	Peak
4	5927.530	60.57	32.34	6.00	36.90	62.01	68.20	-6.19	VERTICAL	Peak

Test Mode: 09; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



		Read	Antenna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5724.390	62.31	32.07	6.25	36.89	63.74	120.81	-57.07	HORIZONTAL	Peak
2	5775.000	88.12	32.16	6.10	36.89	89.49	125.20	-35.71	HORIZONTAL	Peak
3	5850.575	60.40	32.25	6.00	36.90	61.75	120.89	-59.14	HORIZONTAL	Peak
4	5929.990	59.61	32.34	6.00	36.90	61.05	68.20	-7.15	HORIZONTAL	Peak

Test Mode: 09; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Trace: (Discrete)

	Freq	Read	Antenna	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	5724.691	61.55	32.07	6.25	36.89	62.98	121.50	-58.52	VERTICAL Peak
2	5775.000	85.43	32.16	6.10	36.89	86.80	125.20	-38.40	VERTICAL Peak
3	5859.209	60.12	32.27	5.96	36.90	61.45	109.62	-48.17	VERTICAL Peak
4	5943.748	59.71	32.36	6.05	36.90	61.22	68.20	-6.98	VERTICAL Peak

7.10 Band Edge

Test Requirement 47 CFR Part 15, Subpart E 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

7.10.1 E.U.T. Operation

Operating Environment:

Temperature: 25.6 °C

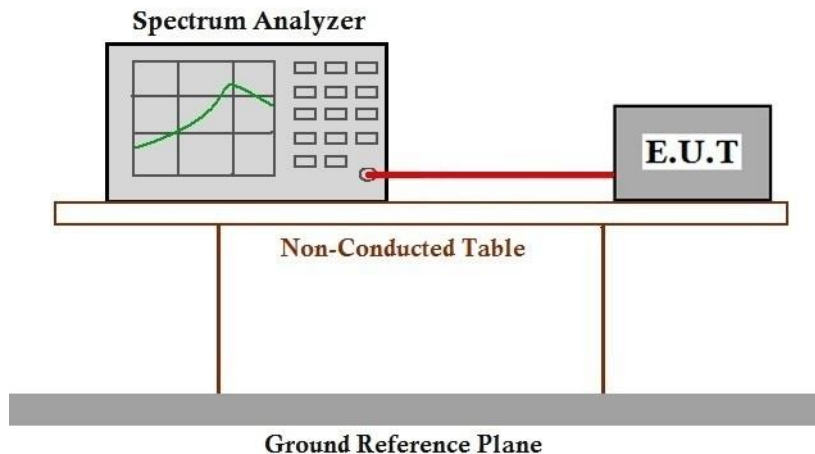
Humidity: 50.3 % RH

Atmospheric Pressure: 995 mbar

7.10.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	06	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	08	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

Please Refer To Appendix For Details

8 Test Setup Photo

Refer to Appendix - Test Setup Photo for GZCR2108020826AT

9 EUT Constructional Details (EUT Photos)

Refer to Appendix _ Photographs of EUT Constructional Details for GZCR2108020826AT

10 Appendix

Band: U-NII-1

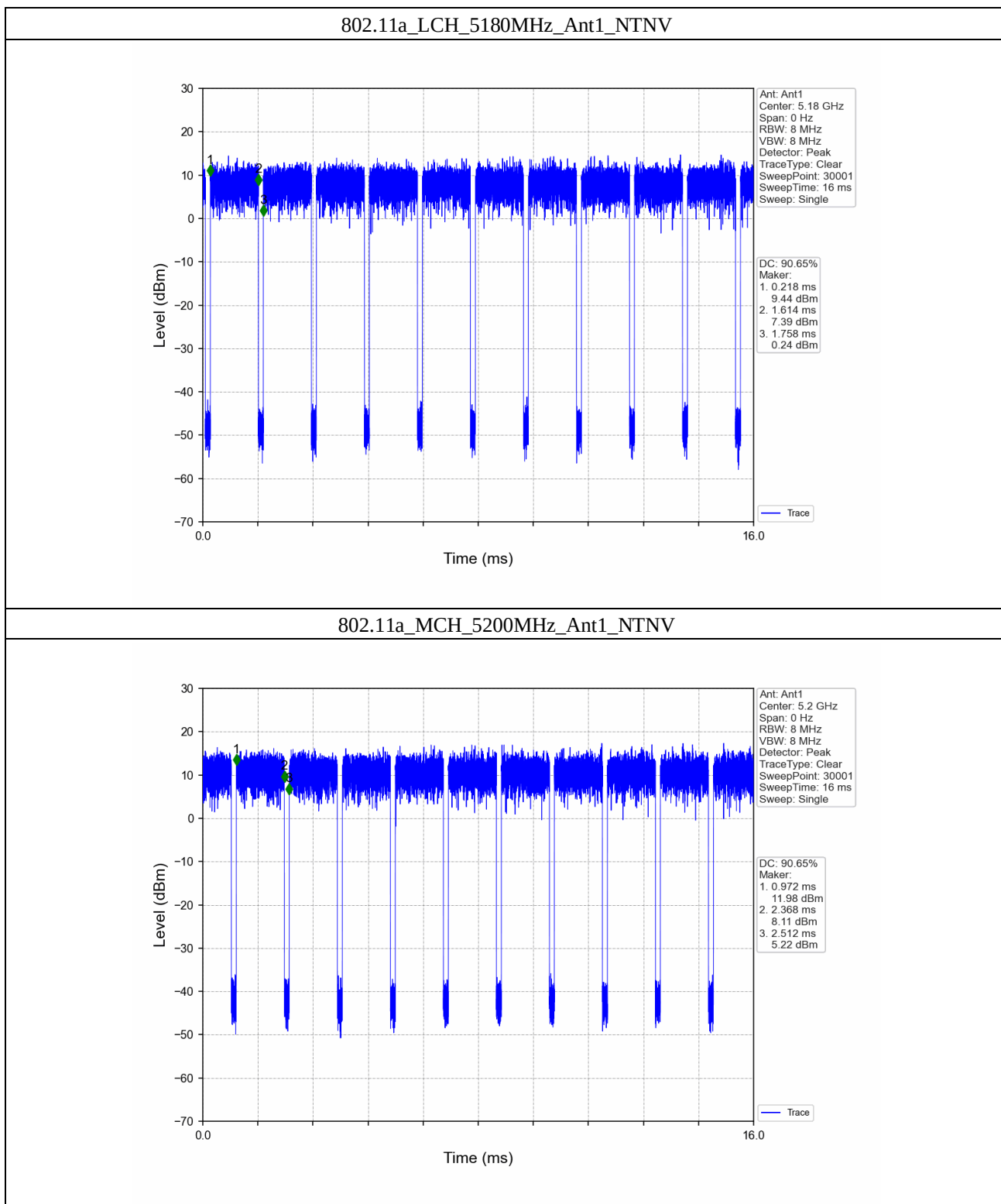
1. Duty Cycle

1.1 Ant1

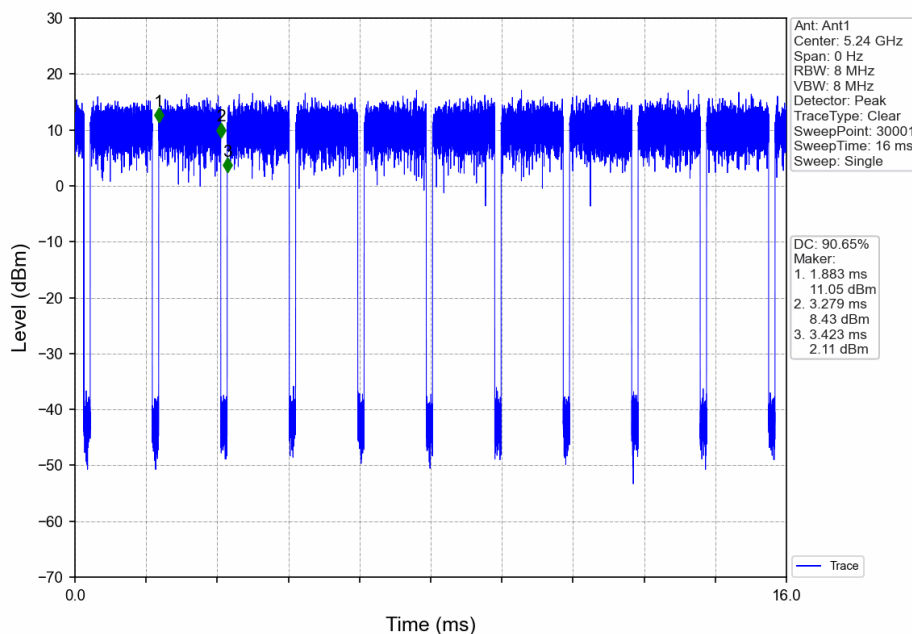
1.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	1.396	1.540	90.65	0.43	0.00
		5200	1.396	1.540	90.65	0.43	0.00
		5240	1.396	1.540	90.65	0.43	0.00
802.11n (HT20)	SISO	5180	1.308	1.452	90.08	0.45	0.00
		5200	1.301	1.452	89.60	0.48	0.03
		5240	1.302	1.452	89.67	0.47	0.03
802.11n (HT40)	SISO	5190	0.648	0.792	81.82	0.87	0.03
		5230	0.641	0.792	80.93	0.92	0.03
802.11ac (VHT20)	SISO	5180	1.308	1.459	89.65	0.47	0.03
		5200	1.308	1.460	89.59	0.48	0.03
		5240	1.308	1.460	89.59	0.48	0.03
802.11ac (VHT40)	SISO	5190	0.648	0.800	81.00	0.92	0.03
		5230	0.656	0.800	82.00	0.86	0.03
802.11ac (VHT80)	SISO	5210	0.319	0.467	68.31	1.66	0.07

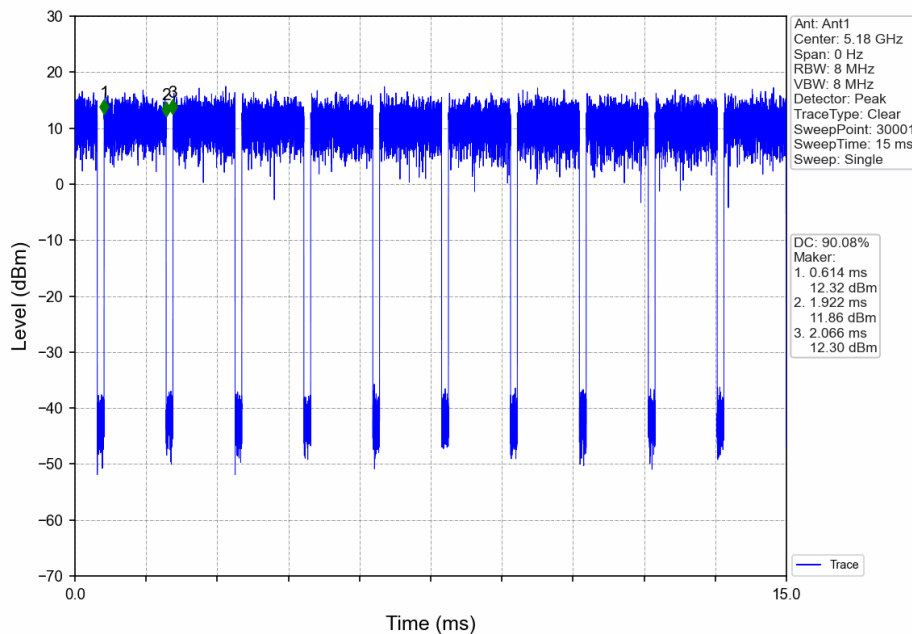
1.1.2 Test Graph



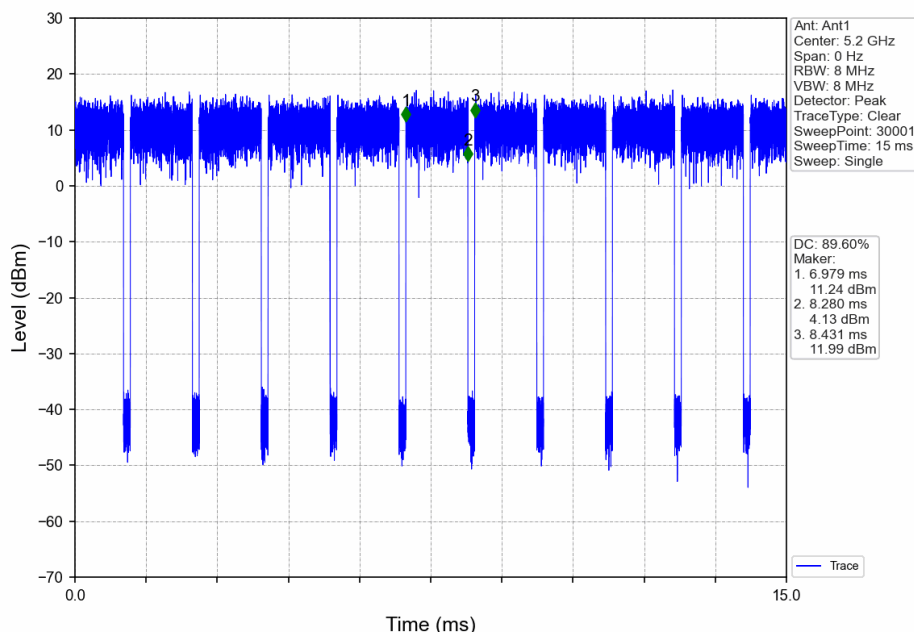
802.11a_HCH_5240MHz_Ant1_NTNV



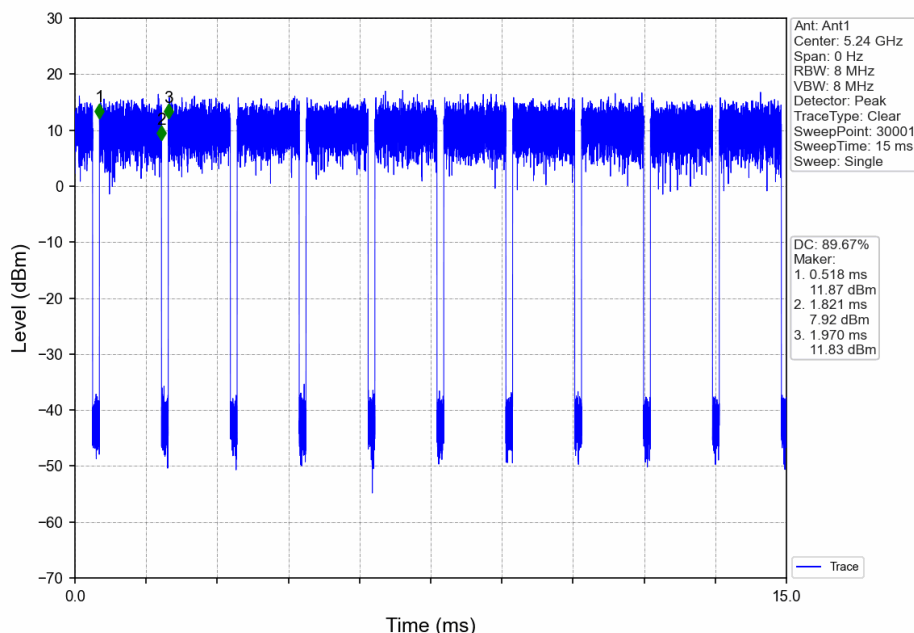
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



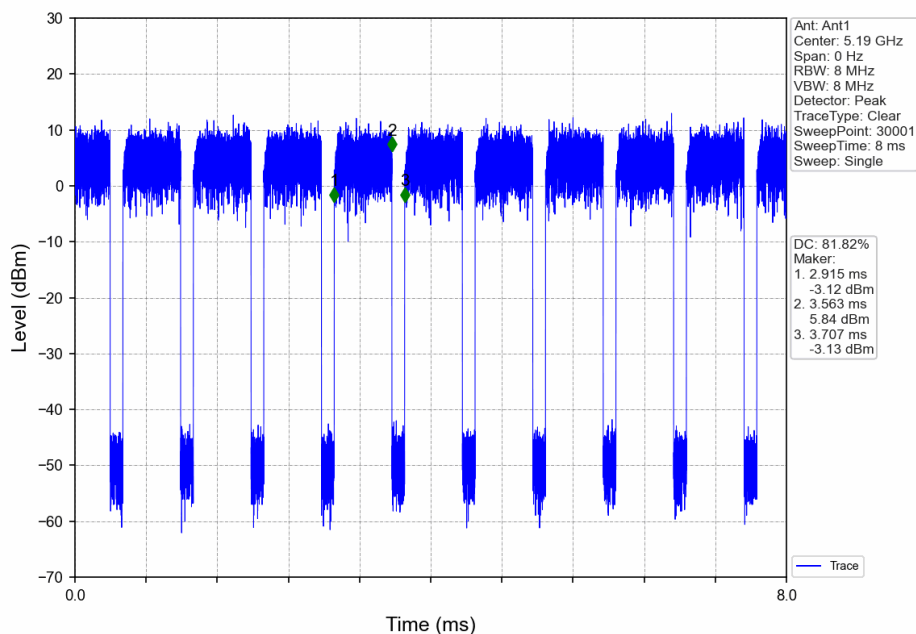
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



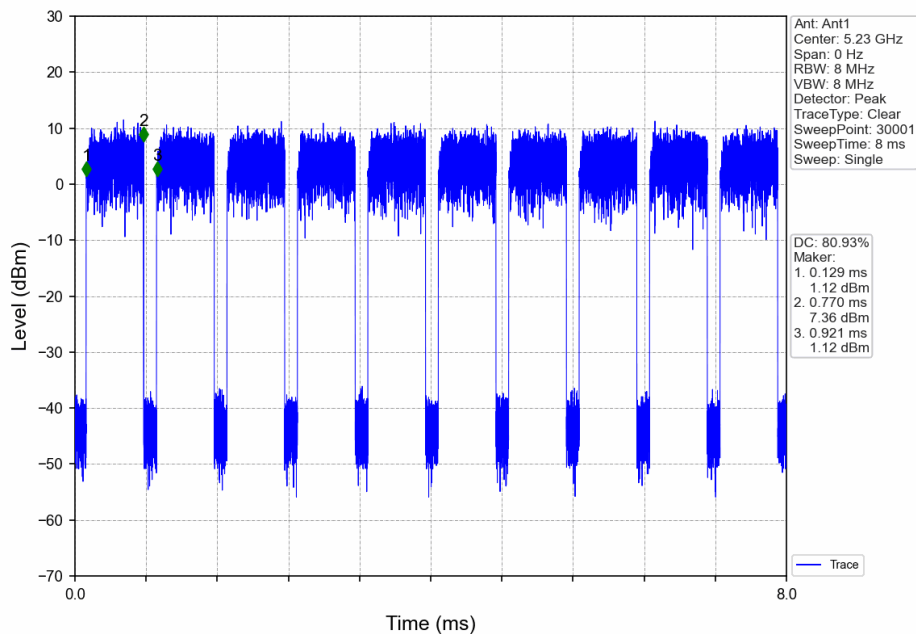
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



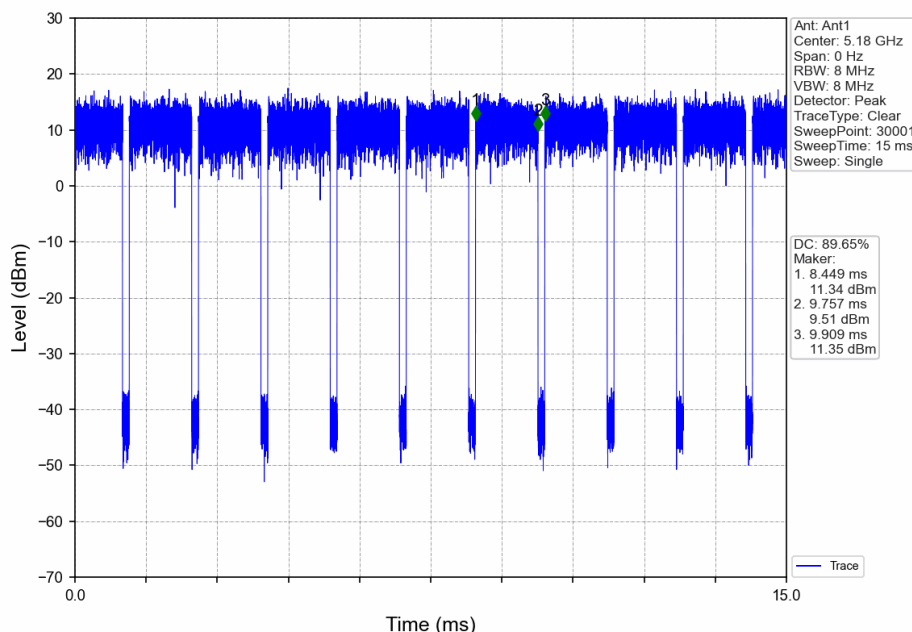
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



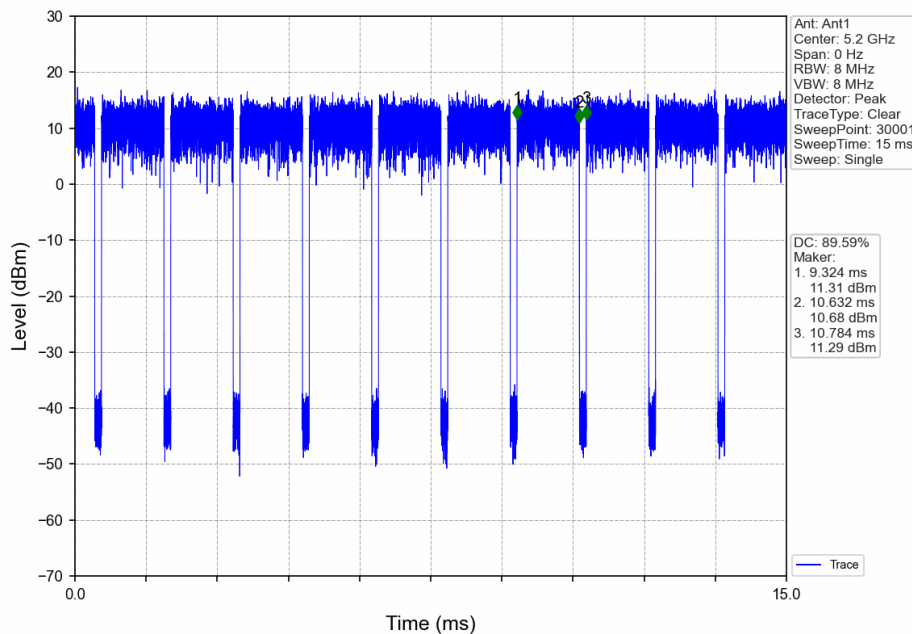
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



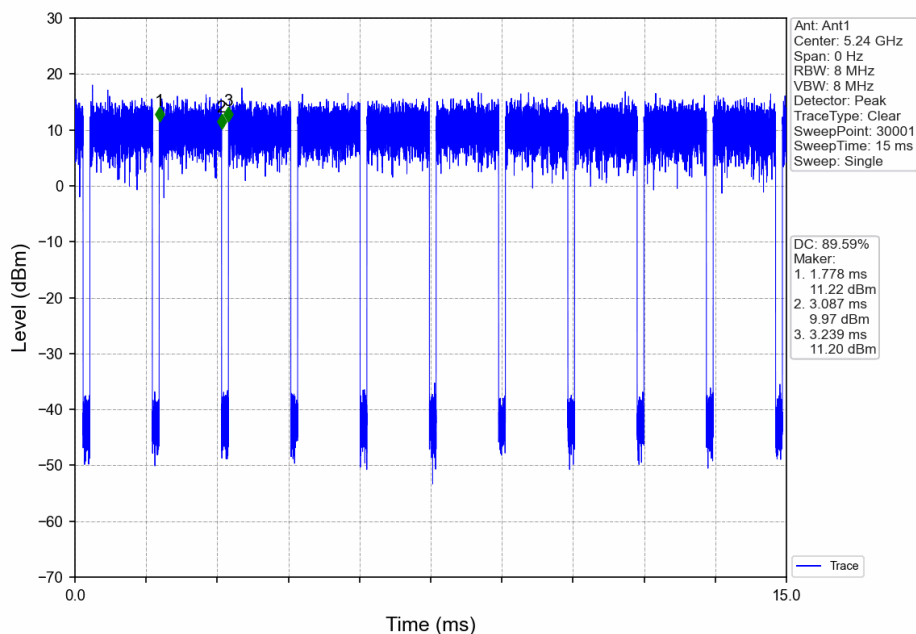
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



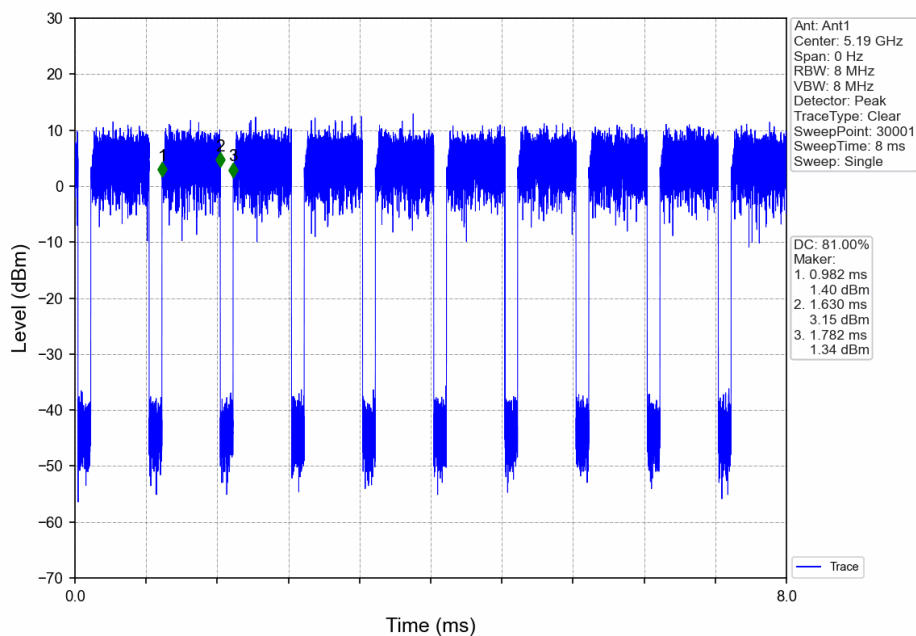
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



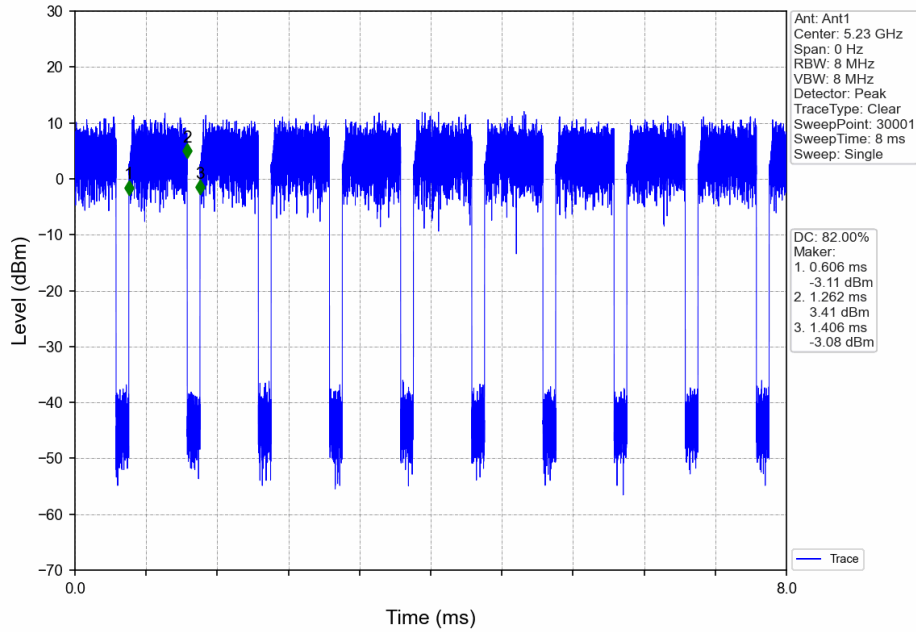
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



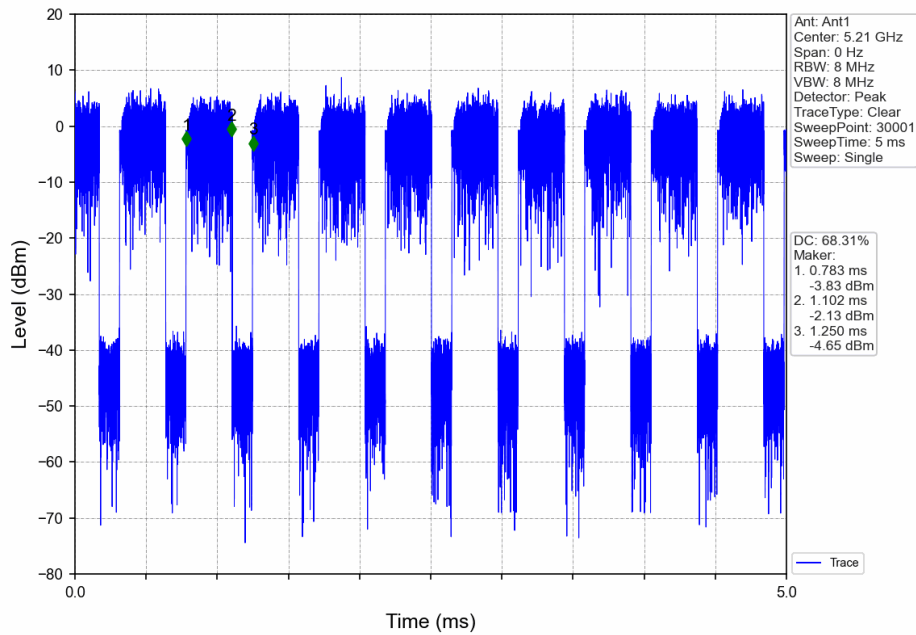
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



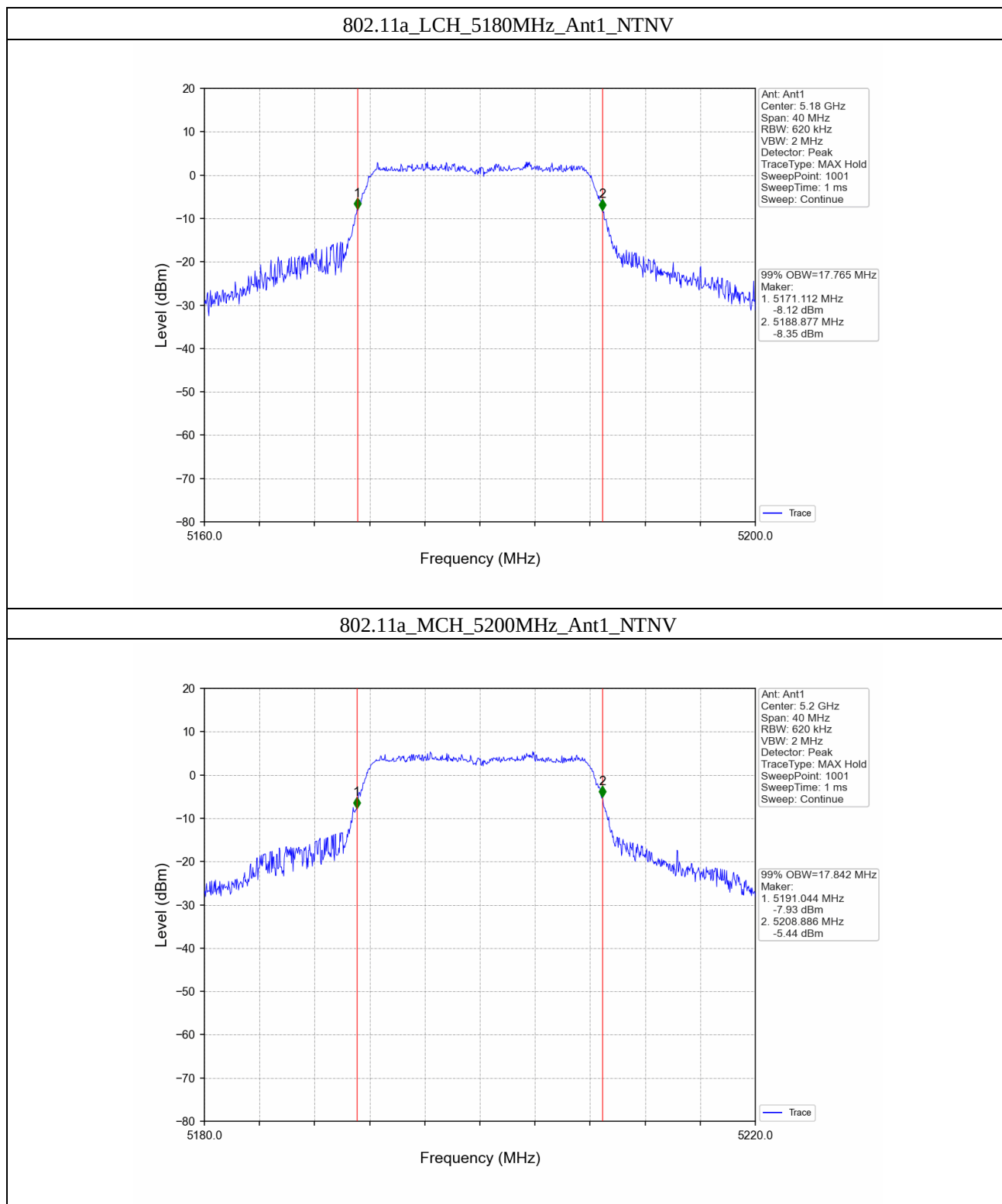
2. Bandwidth

2.1 OBW

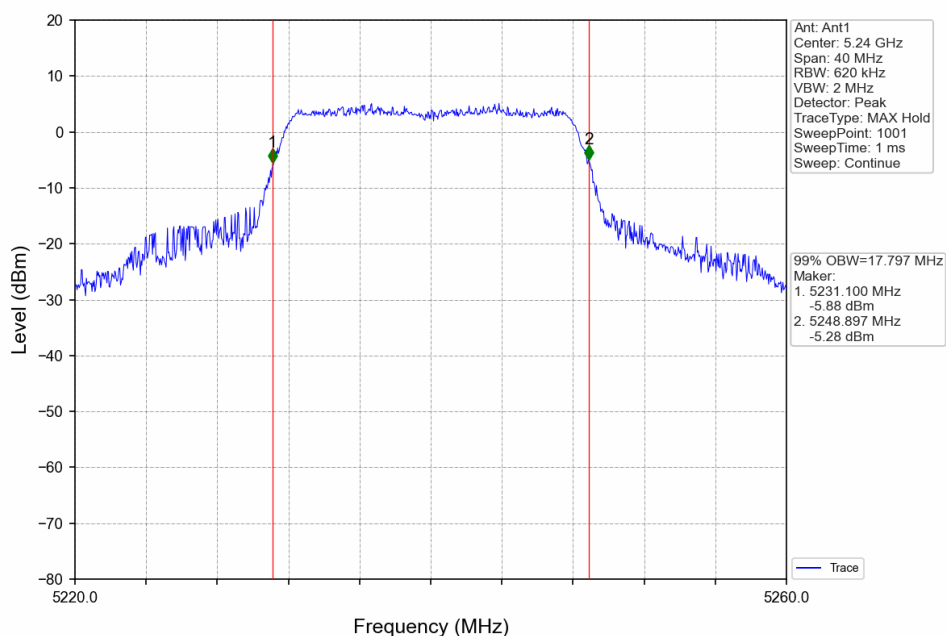
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5180	1	17.765	Pass
		5200	1	17.842	Pass
		5240	1	17.797	Pass
802.11n (HT20)	SISO	5180	1	18.664	Pass
		5200	1	18.738	Pass
		5240	1	18.727	Pass
802.11n (HT40)	SISO	5190	1	36.834	Pass
		5230	1	36.798	Pass
802.11ac (VHT20)	SISO	5180	1	18.729	Pass
		5200	1	18.798	Pass
		5240	1	18.727	Pass
802.11ac (VHT40)	SISO	5190	1	36.814	Pass
		5230	1	36.935	Pass
802.11ac (VHT80)	SISO	5210	1	76.329	Pass

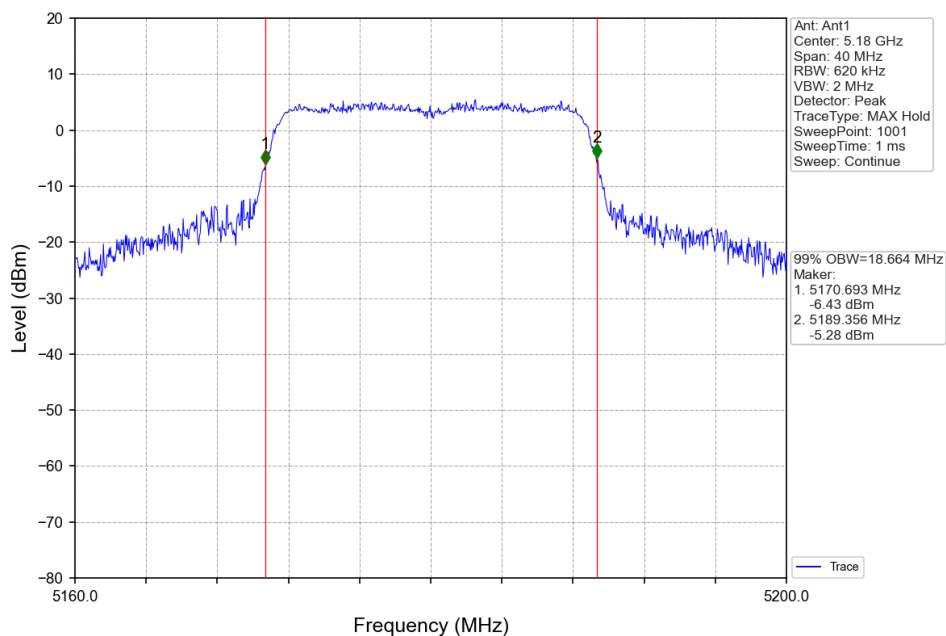
2.1.2 Test Graph



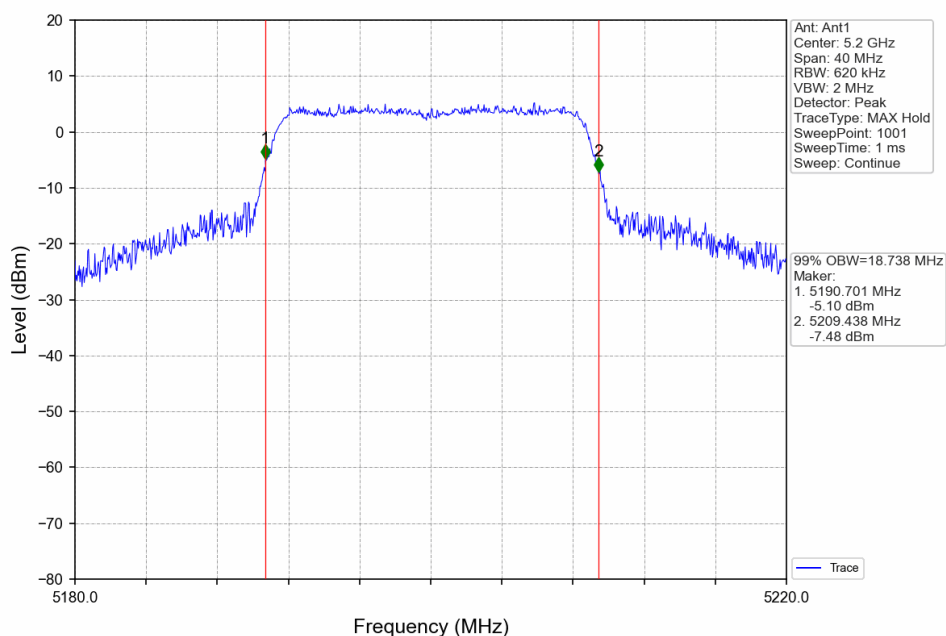
802.11a_HCH_5240MHz_Ant1_NTNV



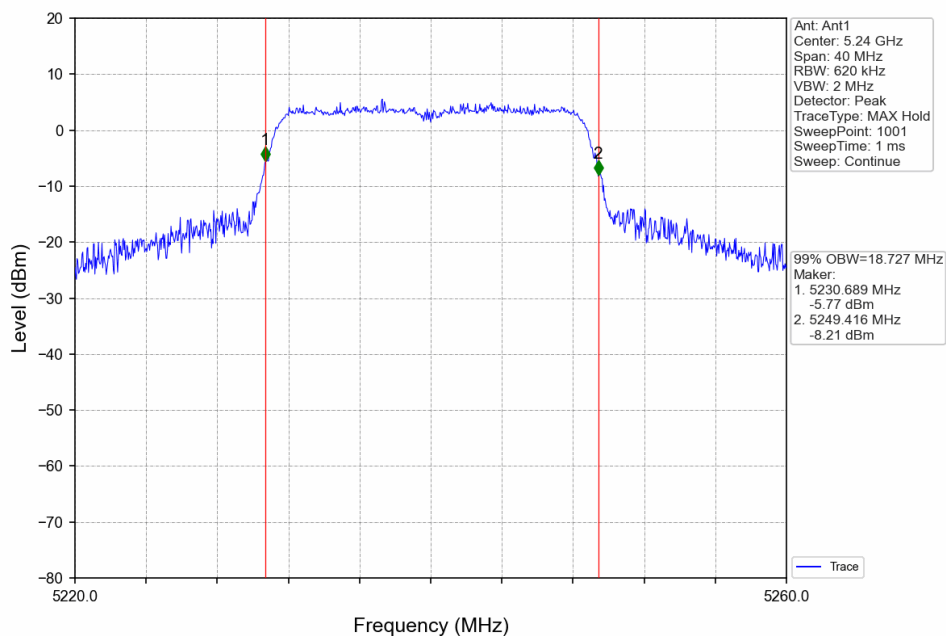
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



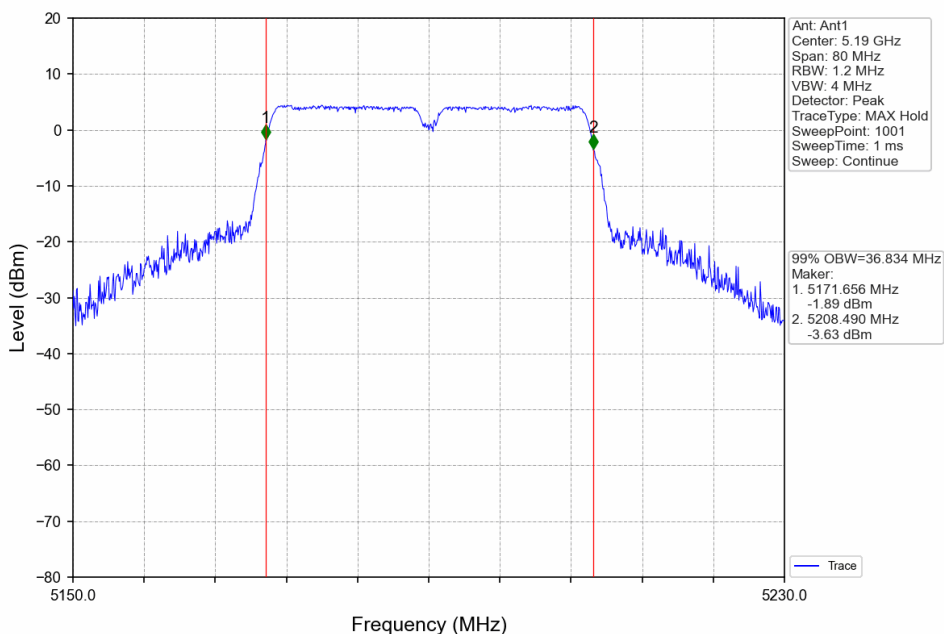
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



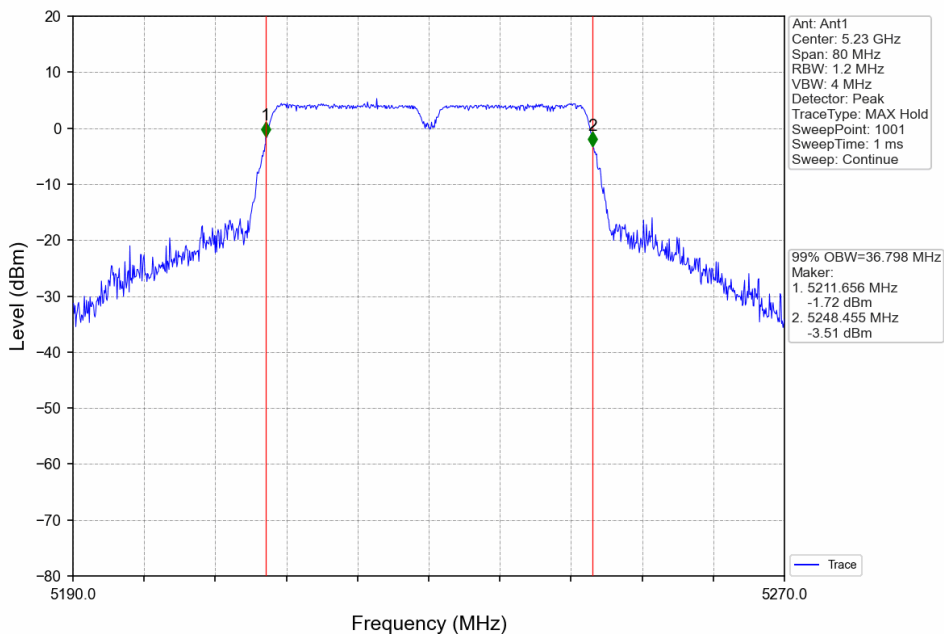
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



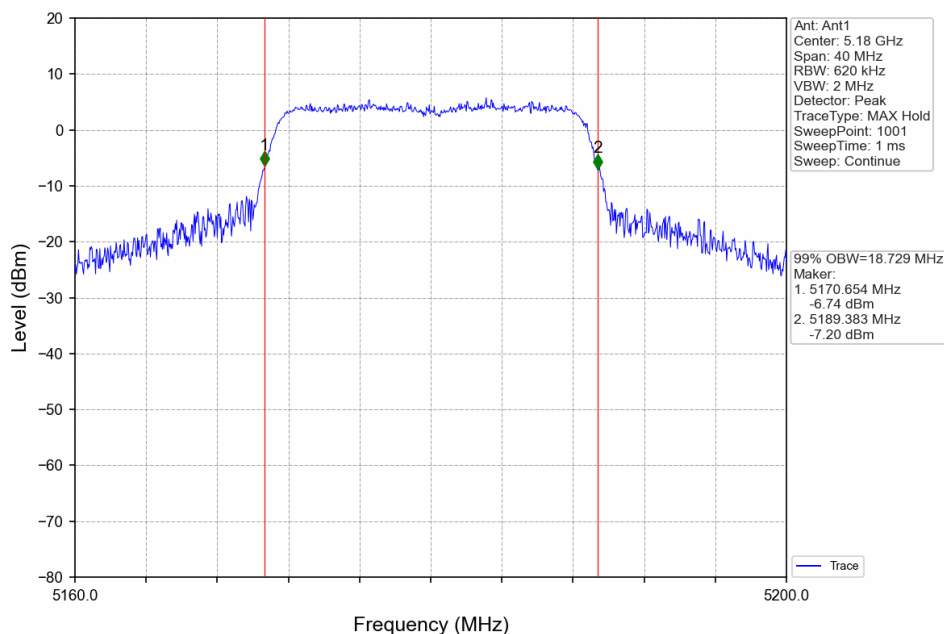
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



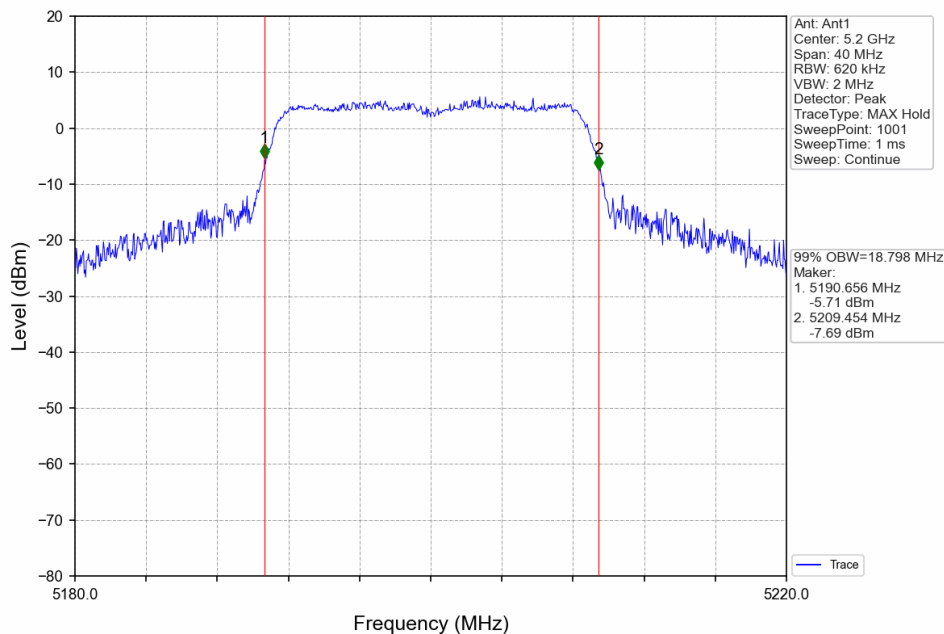
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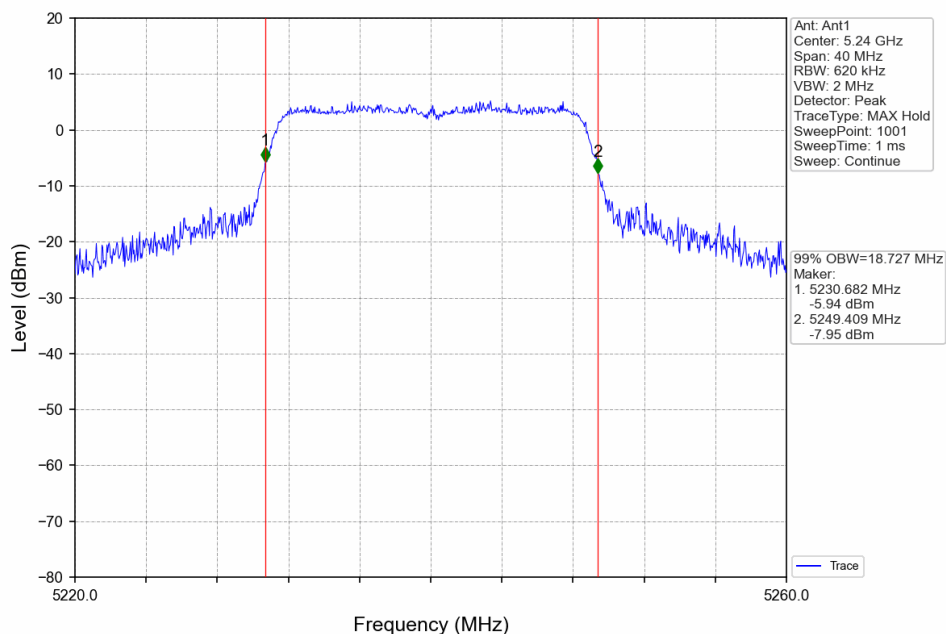
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV

