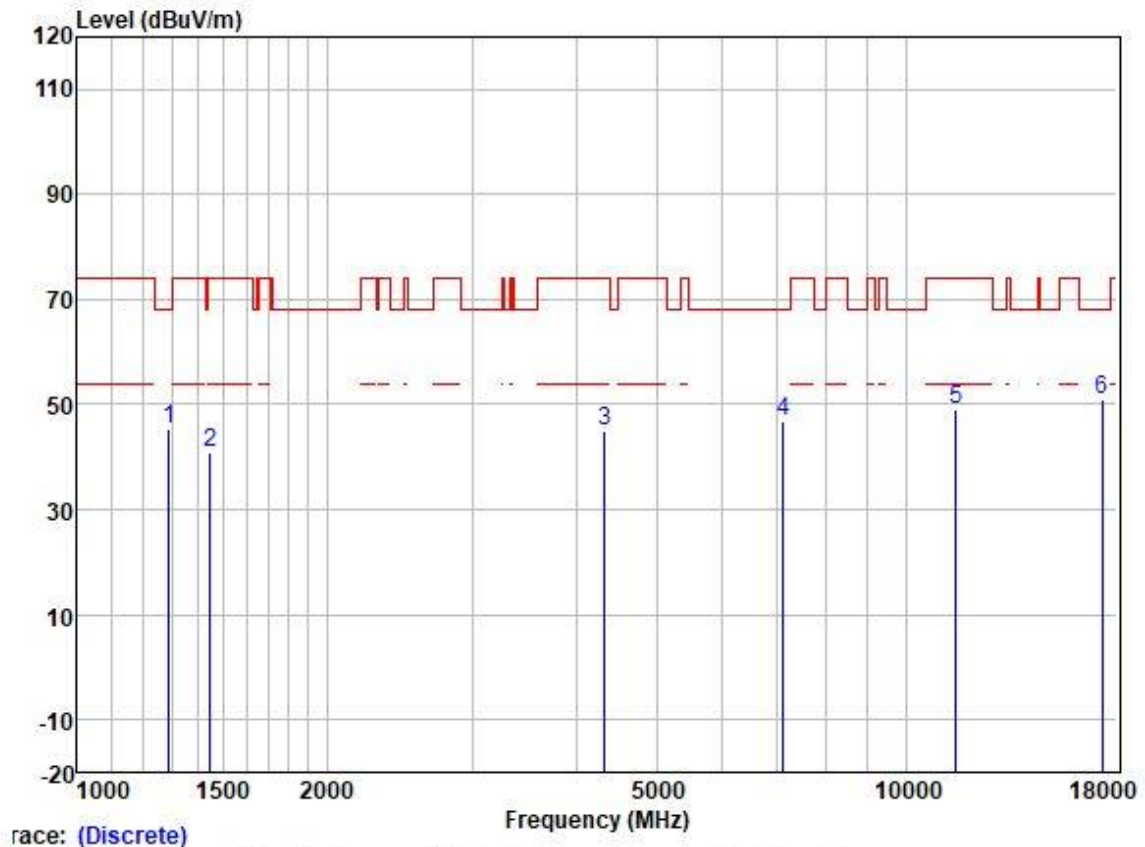


Test Mode: 08; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

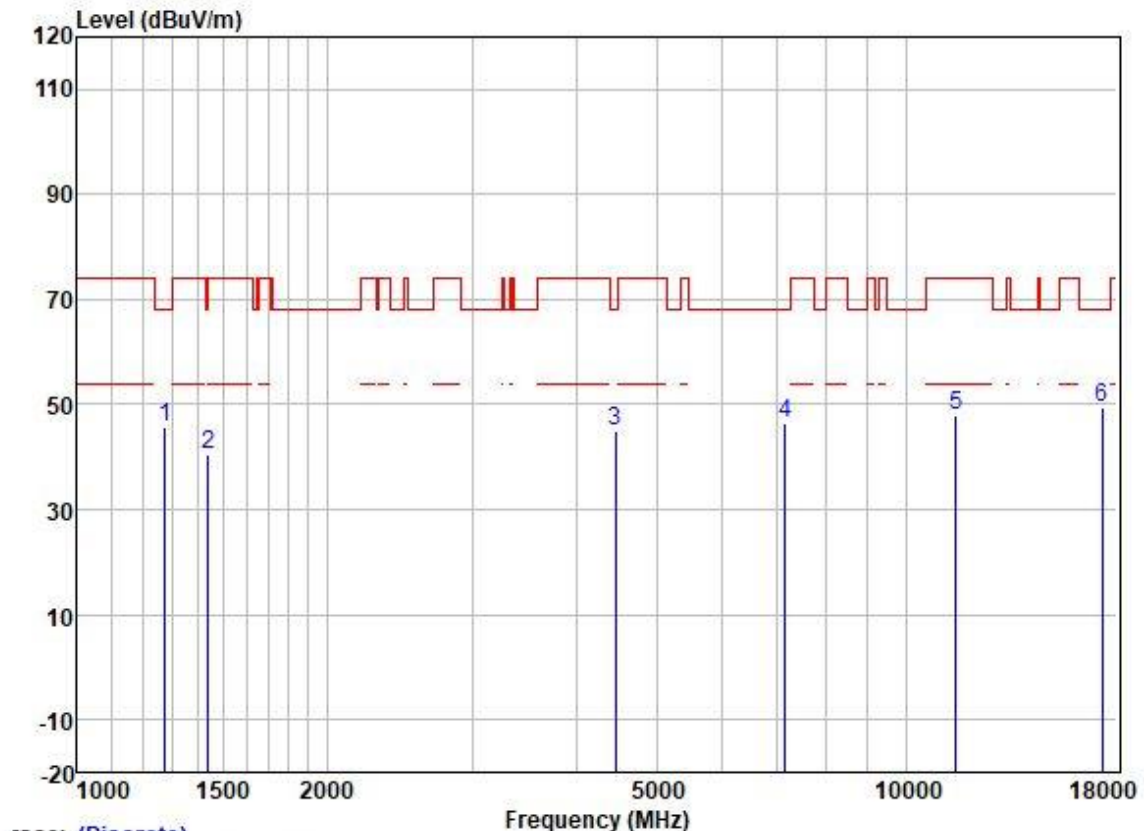


race: (Discrete)

	ReadAntenna	Cable	Preamp		Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1289.627	54.10	25.99	2.79	37.62	45.26	68.20	-22.94	VERTICAL peak
2	1447.688	49.68	25.65	2.92	37.53	40.72	74.00	-33.28	VERTICAL peak
3	4329.354	44.99	31.64	4.81	36.62	44.82	74.00	-29.18	VERTICAL peak
4	7117.542	40.23	36.47	7.04	36.92	46.82	68.20	-21.38	VERTICAL peak
5	11510.000	38.19	38.86	8.75	36.63	49.17	74.00	-24.83	VERTICAL peak
6	17265.000	34.76	39.89	12.16	36.05	50.76	68.20	-17.44	VERTICAL peak



Test Mode: 08; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

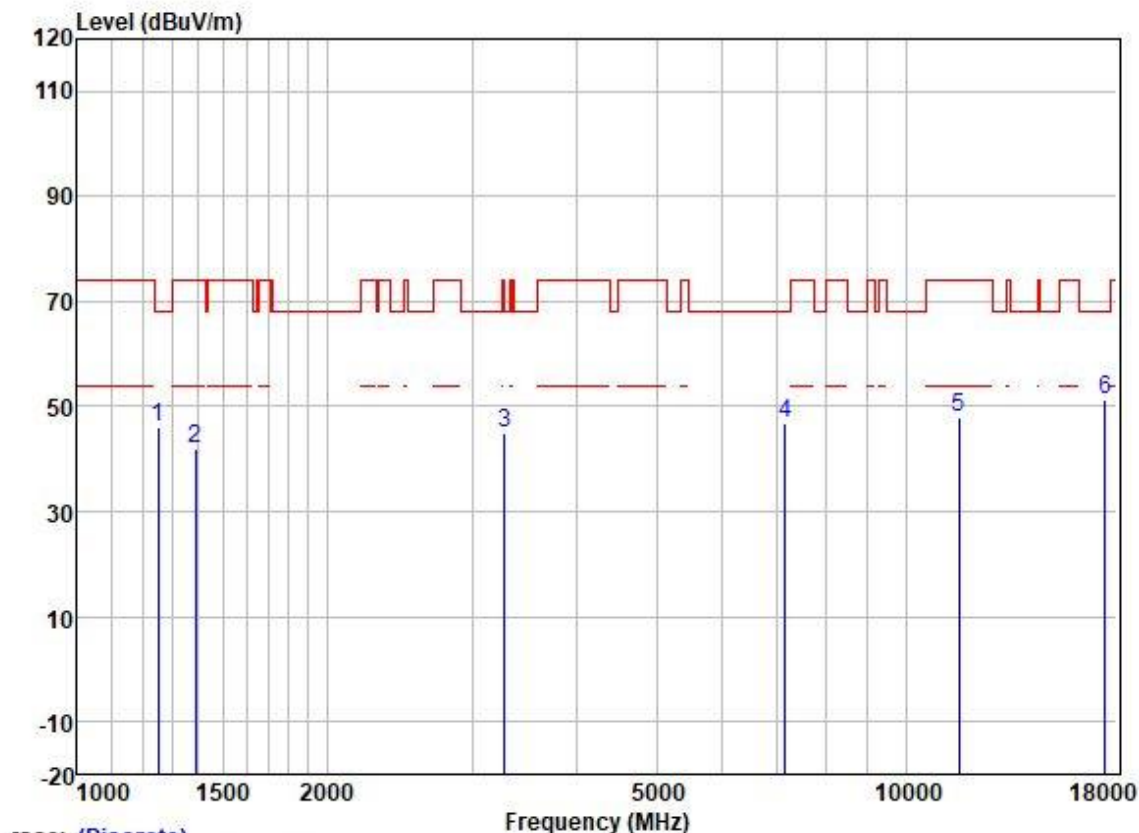


race: (Discrete)

	ReadAntenna	Cable	Preamp		Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1274.802	54.47	25.98	2.76	37.62	45.59	68.20	-22.61	HORIZONTAL peak
2	1439.343	49.51	25.67	2.91	37.55	40.54	74.00	-33.46	HORIZONTAL peak
3	4456.315	44.96	31.77	4.79	36.63	44.89	68.20	-23.31	HORIZONTAL peak
4	7158.806	39.93	36.61	7.00	36.93	46.61	68.20	-21.59	HORIZONTAL peak
5	11510.000	37.01	38.86	8.75	36.63	47.99	74.00	-26.01	HORIZONTAL peak
6	17265.000	33.52	39.89	12.16	36.05	49.52	68.20	-18.68	HORIZONTAL peak



Test Mode: 08; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



race: (Discrete)

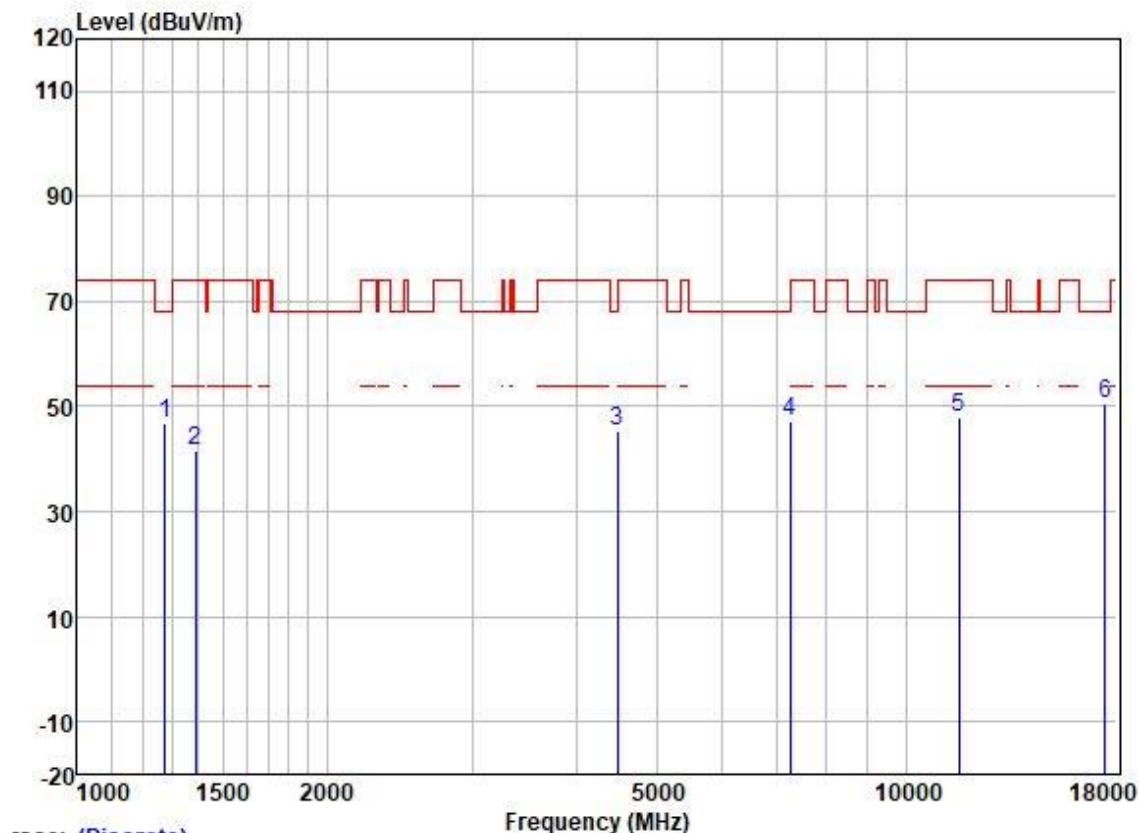
	ReadAntenna	Cable	Preamp	Limit	Over				
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1252.885	55.03	25.96	2.72	37.63	46.08	68.20	-22.12	VERTICAL peak
2	1390.276	50.95	25.76	2.88	37.57	42.02	74.00	-31.98	VERTICAL peak
3	3280.326	47.49	29.80	4.52	36.79	45.02	68.20	-23.18	VERTICAL peak
4	7158.806	40.03	36.61	7.00	36.93	46.71	68.20	-21.49	VERTICAL peak
5	11590.000	37.05	38.66	8.96	36.62	48.05	74.00	-25.95	VERTICAL peak
6	17385.000	34.99	40.10	12.28	35.99	51.38	68.20	-16.82	VERTICAL peak



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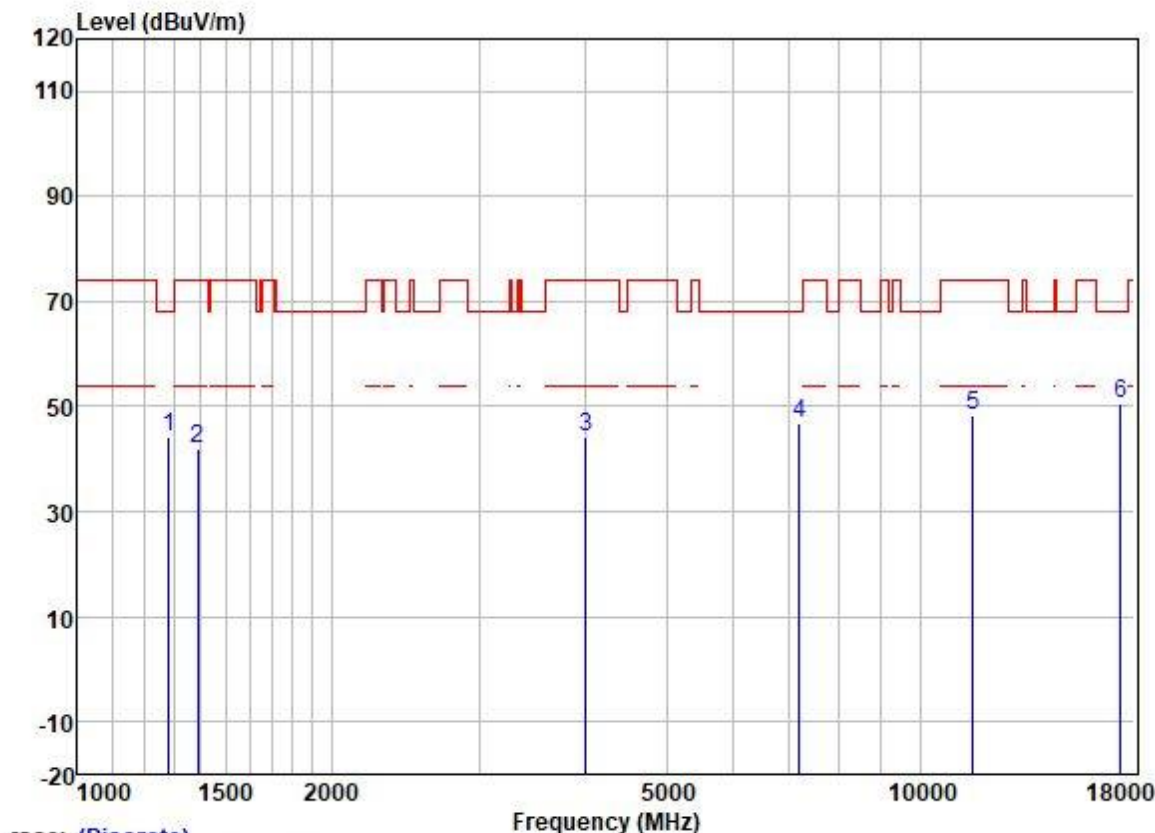
Test Mode: 08; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



race: (Discrete)

	ReadAntenna	Cable	Preamp		Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1274.802	55.72	25.98	2.76	37.62	46.84	68.20	-21.36	HORIZONTAL peak
2	1390.276	50.46	25.76	2.88	37.57	41.53	74.00	-32.47	HORIZONTAL peak
3	4482.150	45.52	31.77	4.78	36.63	45.44	68.20	-22.76	HORIZONTAL peak
4	7242.052	40.61	36.70	6.90	36.94	47.27	68.20	-20.93	HORIZONTAL peak
5	11590.000	36.91	38.66	8.96	36.62	47.91	74.00	-26.09	HORIZONTAL peak
6	17385.000	34.16	40.10	12.28	35.99	50.55	68.20	-17.65	HORIZONTAL peak

Test Mode: 08; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz



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	1282.193	53.10	25.99	2.78	37.62	44.25	68.20	-23.95	VERTICAL peak
2	1390.276	50.93	25.76	2.88	37.57	42.00	74.00	-32.00	VERTICAL peak
3	4015.929	44.86	31.08	4.89	36.60	44.23	74.00	-29.77	VERTICAL peak
4	7200.309	40.20	36.71	6.96	36.93	46.94	68.20	-21.26	VERTICAL peak
5	11550.000	37.32	38.79	8.82	36.63	48.30	74.00	-25.70	VERTICAL peak
6	17325.000	34.51	39.99	12.22	36.03	50.69	68.20	-17.51	VERTICAL peak



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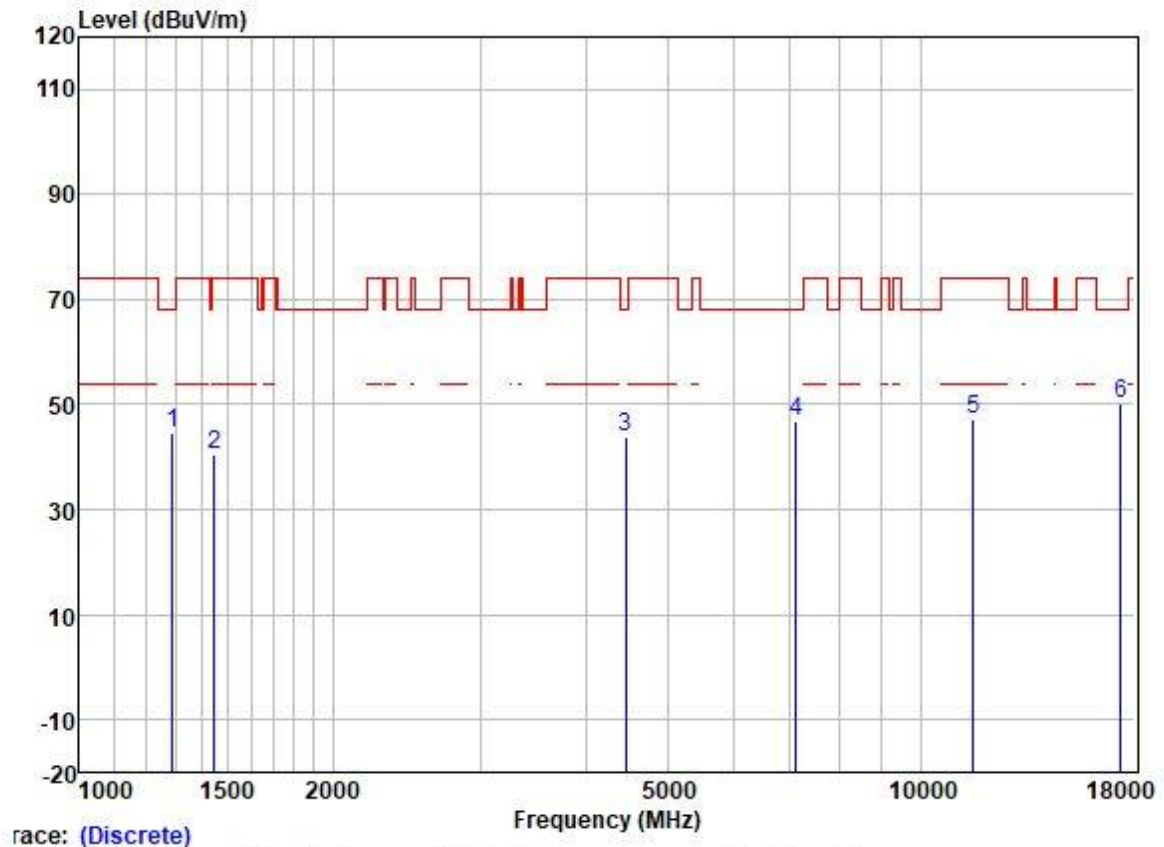
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Test Mode: 08; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz



Trace: (Discrete)

	Read	Antenna	Cable	Preamp		Limit	Over		
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1289.627	53.56	25.99	2.79	37.62	44.72	68.20	-23.48	HORIZONTAL peak
2	1447.688	49.61	25.65	2.92	37.53	40.65	74.00	-33.35	HORIZONTAL peak
3	4456.315	44.05	31.77	4.79	36.63	43.98	68.20	-24.22	HORIZONTAL peak
4	7117.542	40.42	36.47	7.04	36.92	47.01	68.20	-21.19	HORIZONTAL peak
5	11550.000	36.40	38.79	8.82	36.63	47.38	74.00	-26.62	HORIZONTAL peak
6	17325.000	34.13	39.99	12.22	36.03	50.31	68.20	-17.89	HORIZONTAL peak



7.10 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

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.

7.10.1 E.U.T. Operation

Operating Environment:

Temperature: 18.2 °C

Humidity: 45.8 % RH

Atmospheric Pressure: 1021 mbar



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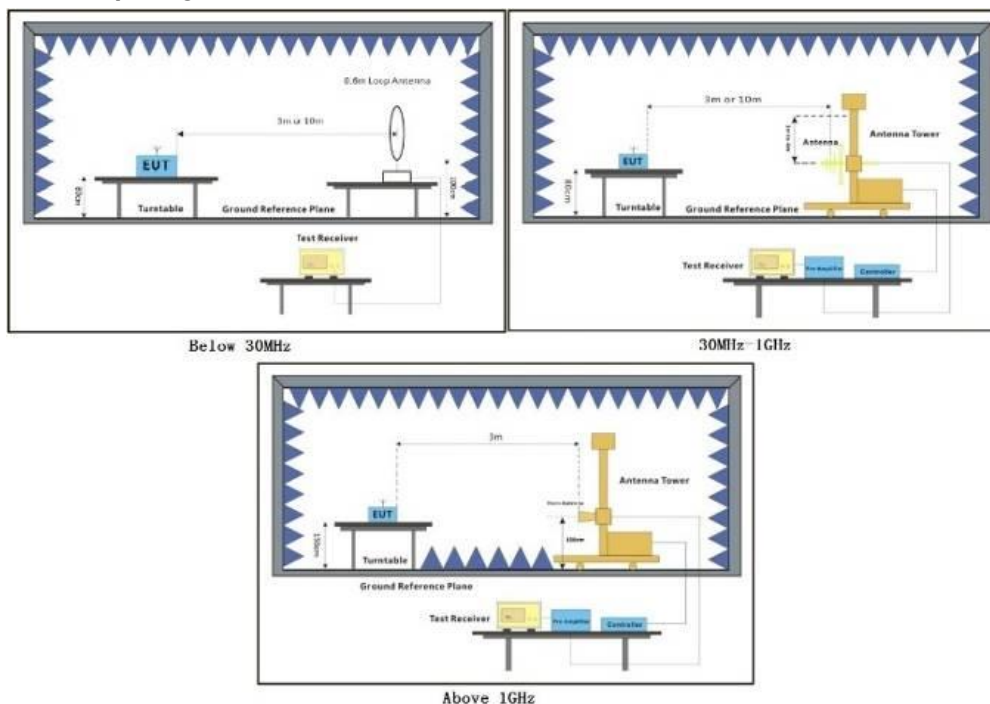
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663
中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663

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t (86-20) 82155555 sgs.china@sgs.com

7.10.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	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 20/40/80, Only the data of worst case is recorded in the report.
Final test	06	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 20/40/80, Only the data of worst case is recorded in the report.
Final test	07	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 20/40/80, 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/ac 20/40/80, Only the data of worst case is recorded in the report.

7.10.3 Test Setup Diagram



7.10.4 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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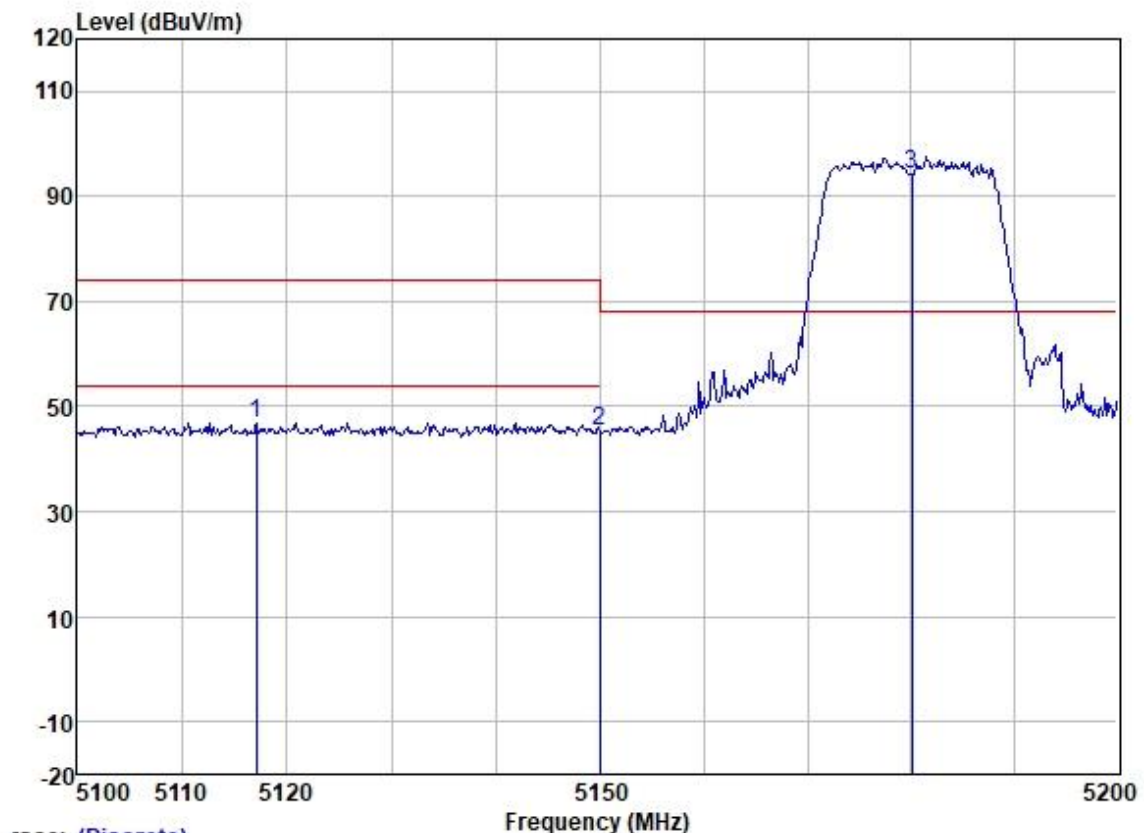
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Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

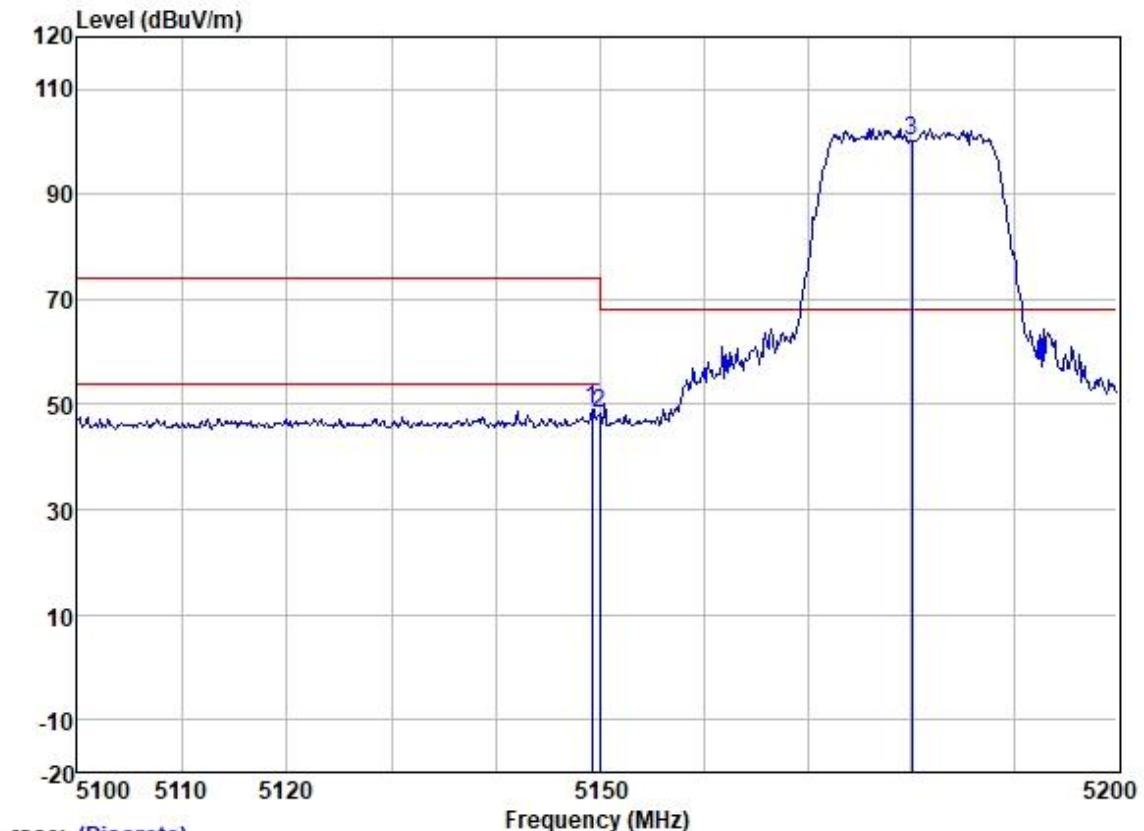
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5117.062	45.01	33.21	5.37	36.72	46.87	74.00	-27.13	VERTICAL	Peak
2	5150.000	43.63	33.18	5.38	36.73	45.46	68.20	-22.74	VERTICAL	Peak
3 *	5180.045	92.32	33.14	5.40	36.73	94.13	68.20	25.93	VERTICAL	Peak



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



Trace: (Discrete)

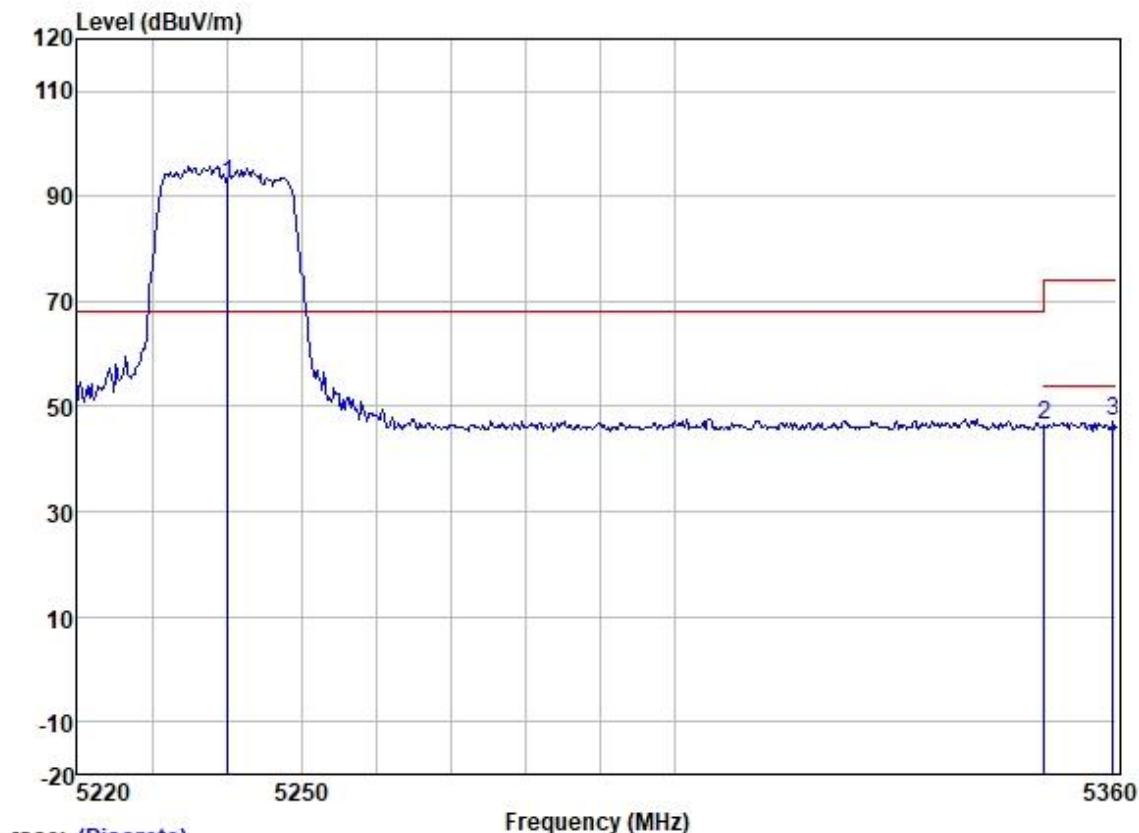
	ReadAntenna	Cable	Preamp		Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5149.257	47.12	33.18	5.38	36.73	48.95	74.00	-25.05	HORIZONTAL Peak
2	5150.000	46.40	33.18	5.38	36.73	48.23	68.20	-19.97	HORIZONTAL Peak
3 *	5180.045	98.44	33.14	5.40	36.73	100.25	68.20	32.05	HORIZONTAL Peak



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



race: (Discrete)

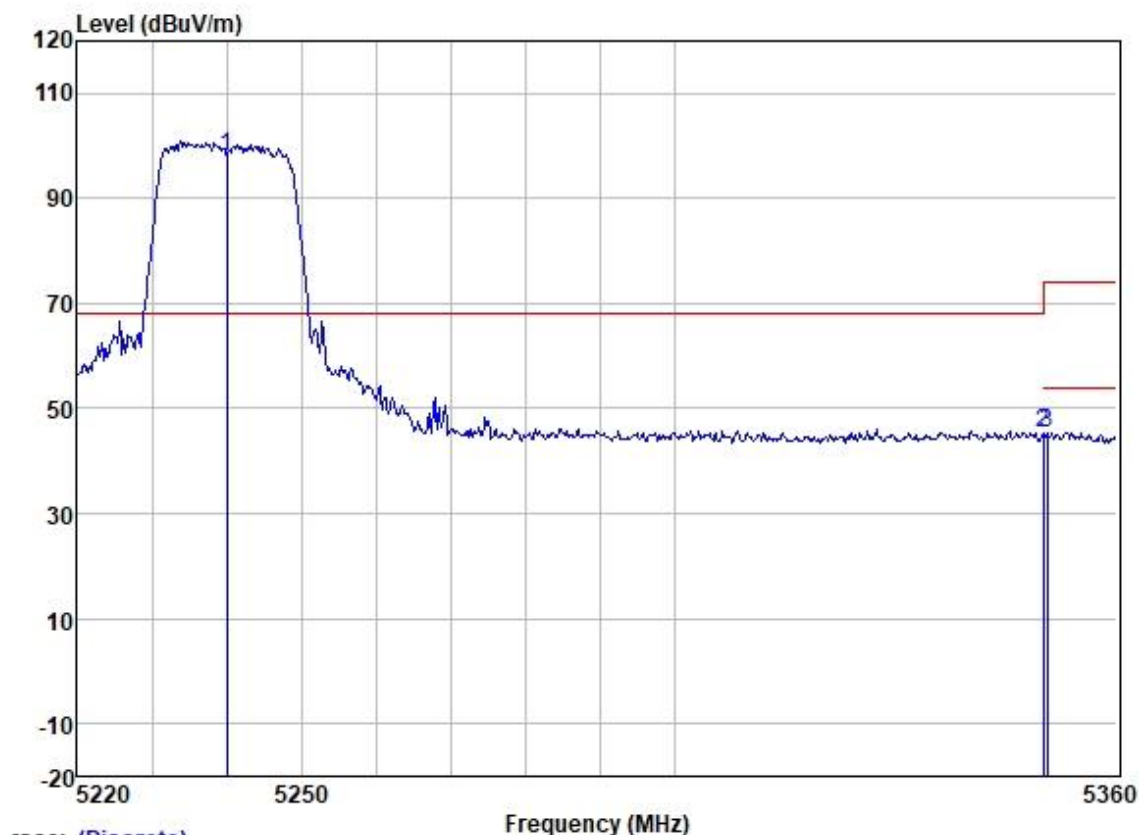
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Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 * 5240.000	90.71	33.11	5.45	36.74	92.53	68.20	24.33	VERTICAL	Peak
2 5350.000	44.54	33.04	5.55	36.76	46.37	68.20	-21.83	VERTICAL	Peak
3 5359.433	45.22	33.03	5.56	36.76	47.05	74.00	-26.95	VERTICAL	Peak



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Trace: (Discrete)

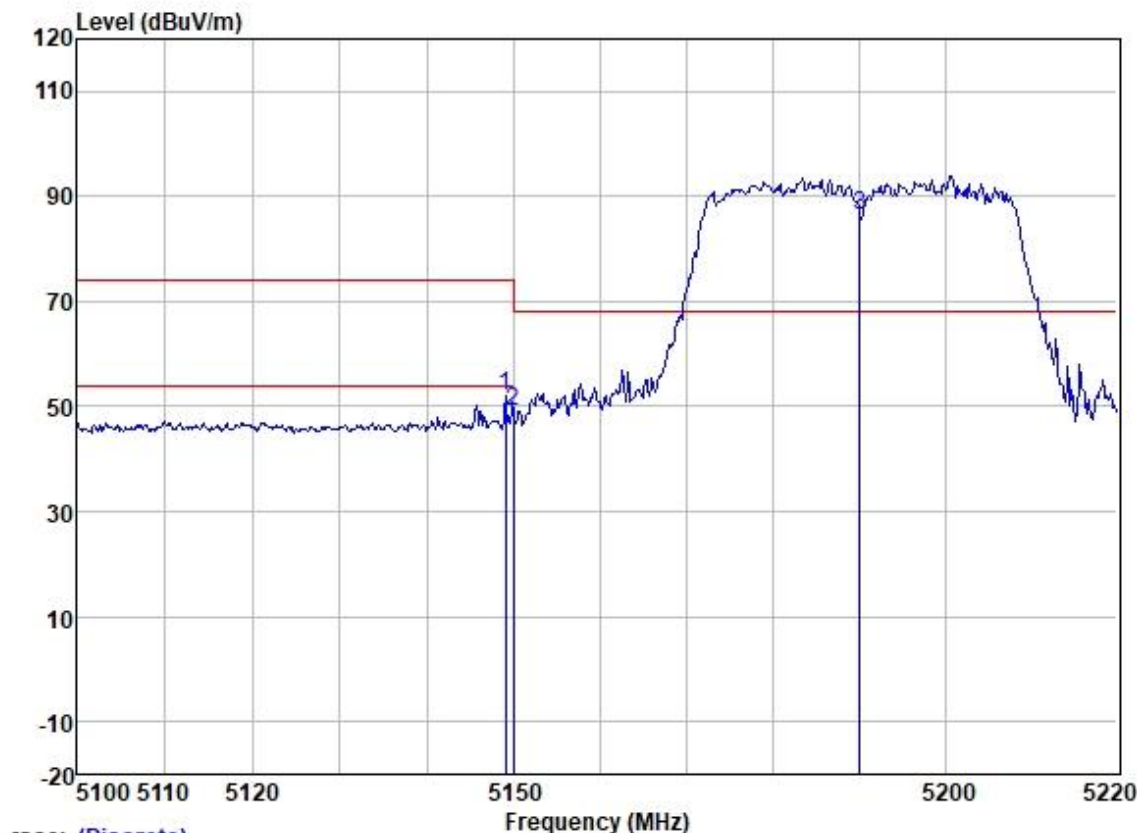
	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	Remark
1 *	5239.932	96.22	33.11	5.45	36.74	98.04	68.20	29.84	HORIZONTAL Peak
2	5349.938	43.51	33.04	5.55	36.76	45.34	68.20	-22.86	HORIZONTAL Peak
3	5350.504	43.67	33.04	5.55	36.76	45.50	74.00	-28.50	HORIZONTAL Peak



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



race: (Discrete)

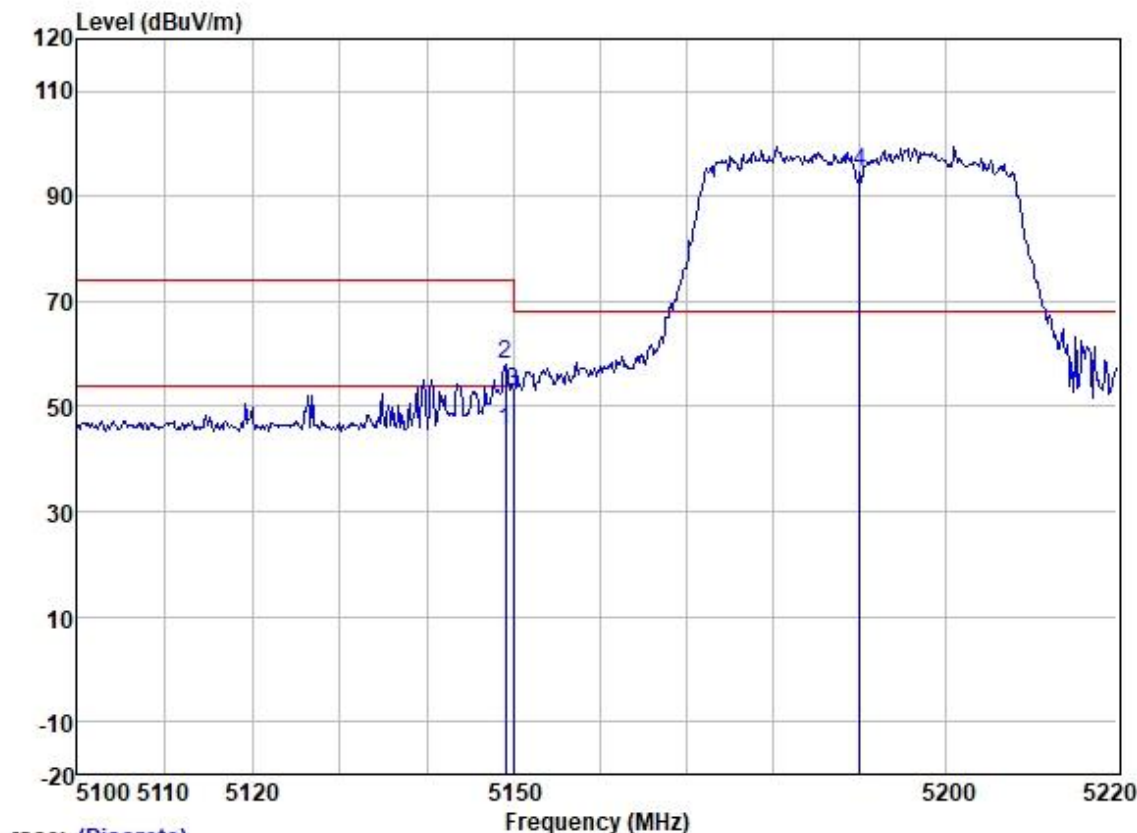
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5149.102	50.34	33.18	5.38	36.73	52.17	74.00	-21.83	VERTICAL	peak
2	5150.000	47.36	33.18	5.38	36.73	49.19	68.20	-19.01	VERTICAL	peak
3 *	5190.000	84.61	33.13	5.42	36.73	86.43	68.20	18.23	VERTICAL	peak



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

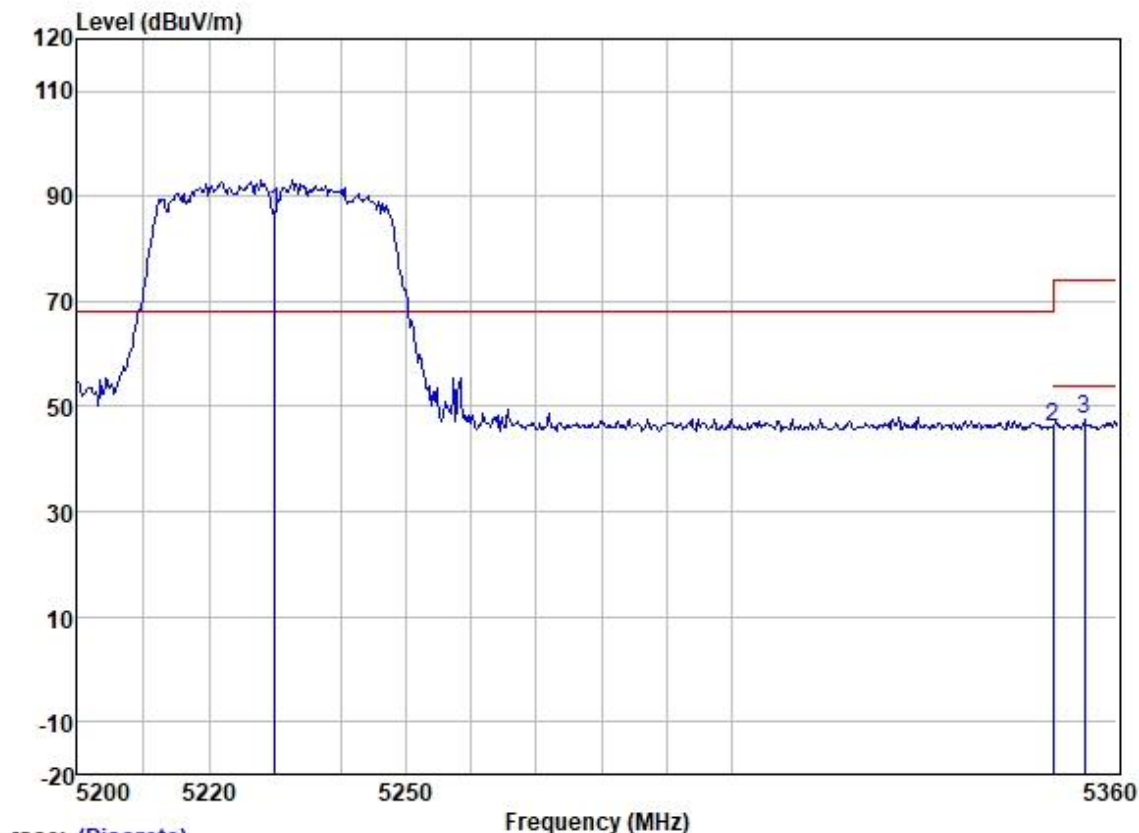


Trace: (Discrete)

	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	5149.102	43.37	33.18	5.38	36.73	45.20	54.00	-8.80	HORIZONTAL Average
2	5149.102	56.02	33.18	5.38	36.73	57.85	74.00	-16.15	HORIZONTAL Peak
3	5149.940	51.13	33.18	5.38	36.73	52.96	74.00	-21.04	HORIZONTAL Peak
4 *	5189.979	92.70	33.13	5.42	36.73	94.52	68.20	26.32	HORIZONTAL Peak



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

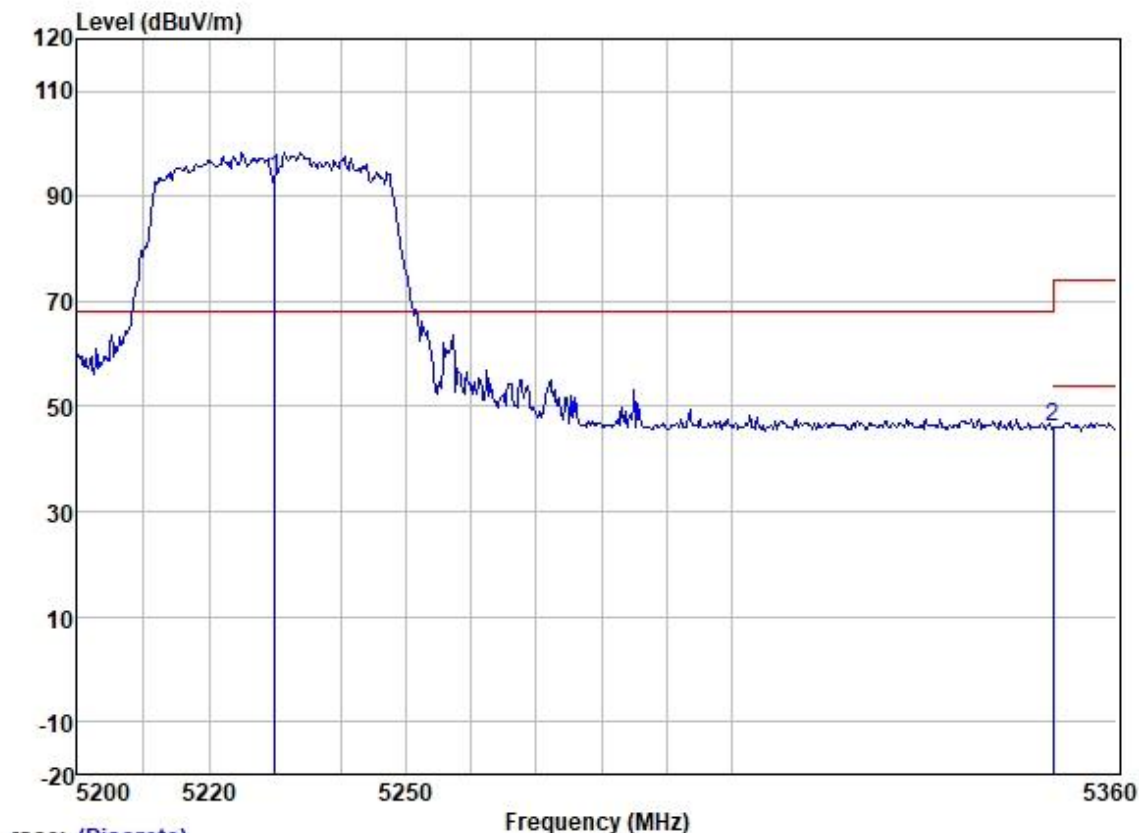


race: (Discrete)

	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 *	5230.028	85.17	33.12	5.44	36.74	86.99	68.20	18.79	VERTICAL	Peak
2	5350.000	44.36	33.04	5.55	36.76	46.19	68.20	-22.01	VERTICAL	Peak
3	5354.805	45.65	33.03	5.56	36.76	47.48	74.00	-26.52	VERTICAL	Peak



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



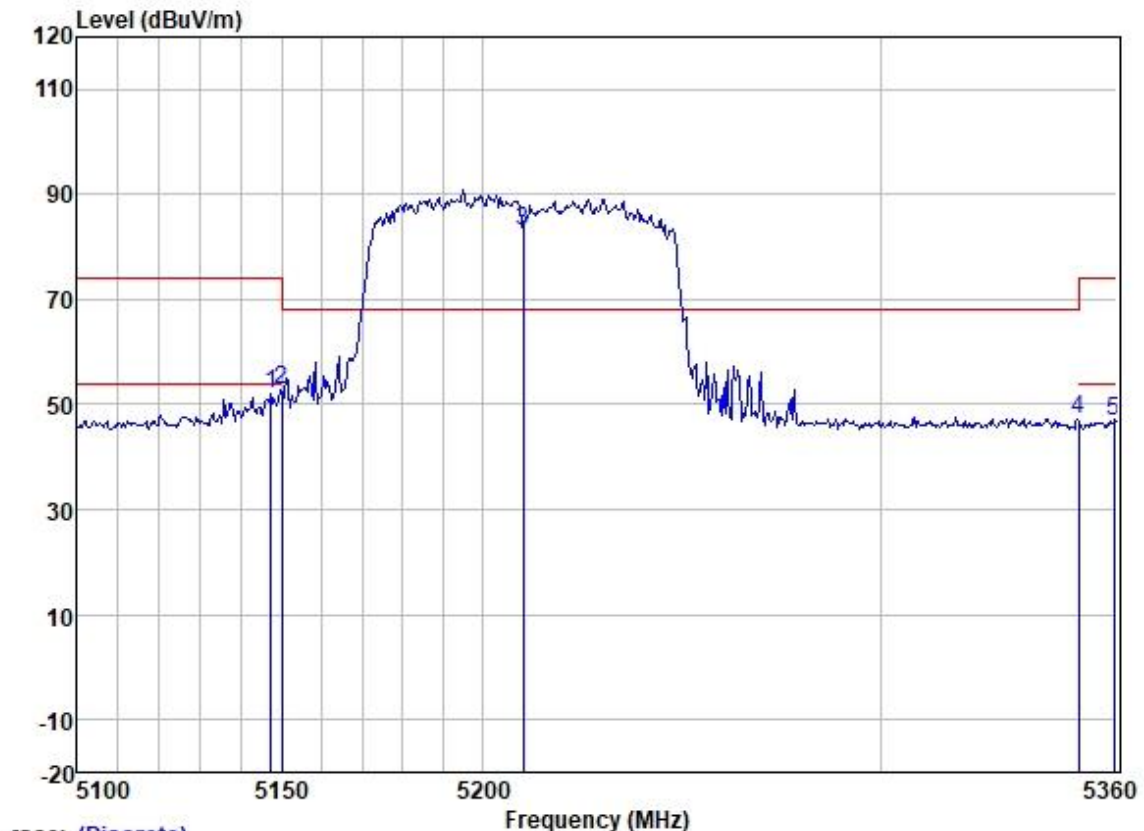
	ReadAntenna	Cable	Preamp		Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 * 5230.028	91.51	33.12	5.44	36.74	93.33	68.20	25.13	HORIZONTAL	Peak
2 5349.938	44.08	33.04	5.55	36.76	45.91	68.20	-22.29	HORIZONTAL	Peak



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Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low

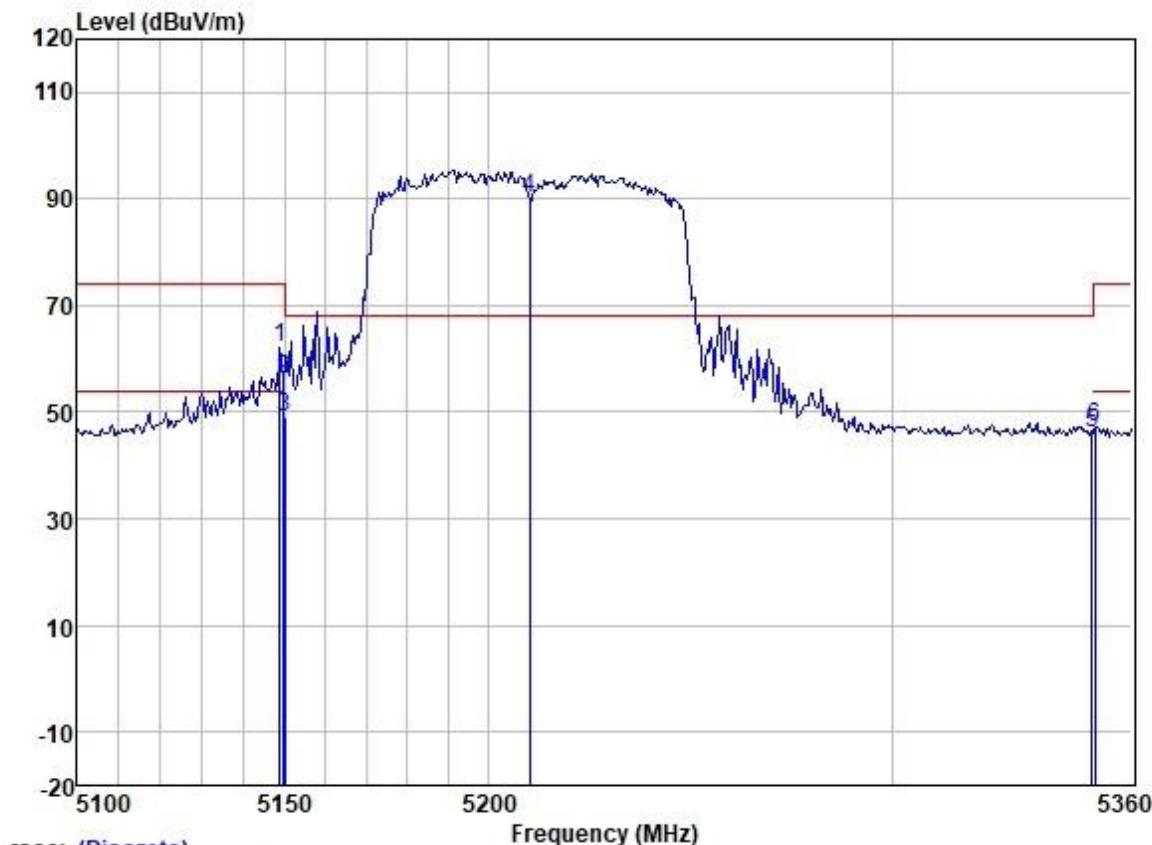


race: (Discrete)

	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	5147.386	50.23	33.18	5.38	36.73	52.06	74.00	-21.94	VERTICAL	peak
2	5150.000	50.82	33.18	5.38	36.73	52.65	68.20	-15.55	VERTICAL	peak
3 *	5210.000	81.41	33.12	5.43	36.74	83.22	68.20	15.02	VERTICAL	peak
4	5350.000	45.22	33.04	5.55	36.76	47.05	68.20	-21.15	VERTICAL	peak
5	5359.201	45.01	33.03	5.56	36.76	46.84	74.00	-27.16	VERTICAL	peak



Test Mode: 05; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Trace: (Discrete)

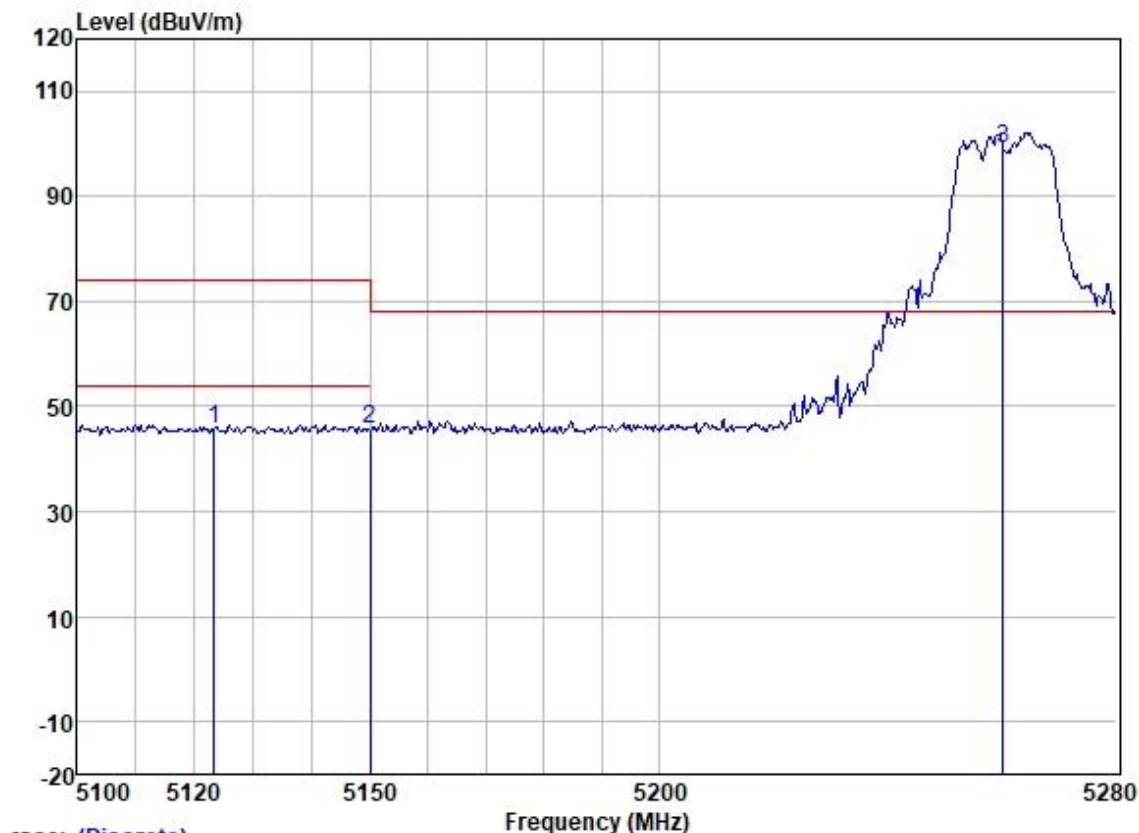
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5150.000	60.26	33.18	5.38	36.73	62.09	74.00	-11.91	HORIZONTAL	Peak
3	5150.000	47.24	33.18	5.38	36.73	49.07	54.00	-4.93	HORIZONTAL	Average
4 *	5210.000	88.46	33.12	5.43	36.74	90.27	68.20	22.07	HORIZONTAL	Peak
5	5349.882	44.37	33.04	5.55	36.76	46.20	68.20	-22.00	HORIZONTAL	Peak
6	5350.680	45.36	33.04	5.55	36.76	47.19	74.00	-26.81	HORIZONTAL	Peak



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Test Mode: 06; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

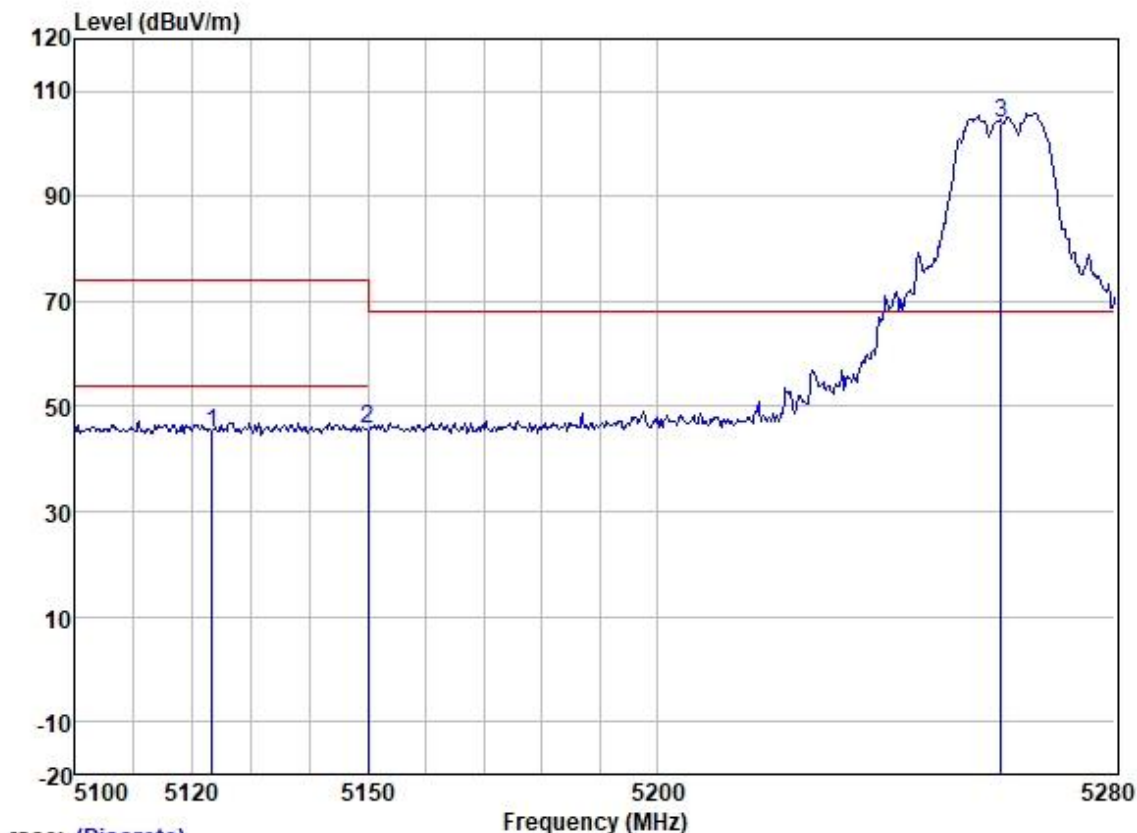
	ReadAntenna	Cable	Preamp		Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 5123.404	43.77	33.21	5.40	36.66	45.72	74.00	-28.28	VERTICAL	Peak
2 5150.000	43.91	33.18	5.36	36.66	45.79	68.20	-22.41	VERTICAL	Peak
3 * 5260.000	97.29	33.10	5.39	36.67	99.11	68.20	30.91	VERTICAL	Peak



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Test Mode: 06; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

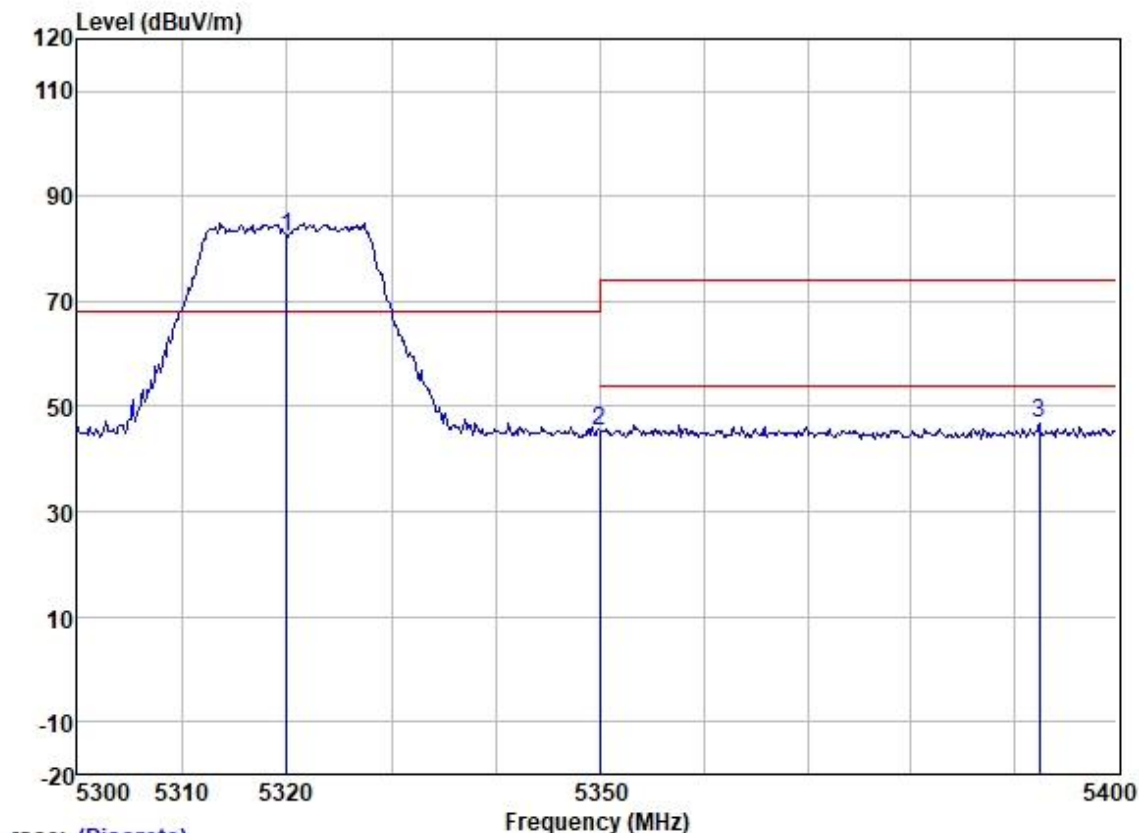


race: (Discrete)

	ReadAntenna	Cable	Preamp		Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 5123.404	43.13	33.21	5.40	36.66	45.08	74.00	-28.92	HORIZONTAL	Peak
2 5150.000	43.88	33.18	5.36	36.66	45.76	68.20	-22.44	HORIZONTAL	Peak
3 * 5260.000	102.10	33.10	5.39	36.67	103.92	68.20	35.72	HORIZONTAL	Peak



Test Mode: 06; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



race: (Discrete)

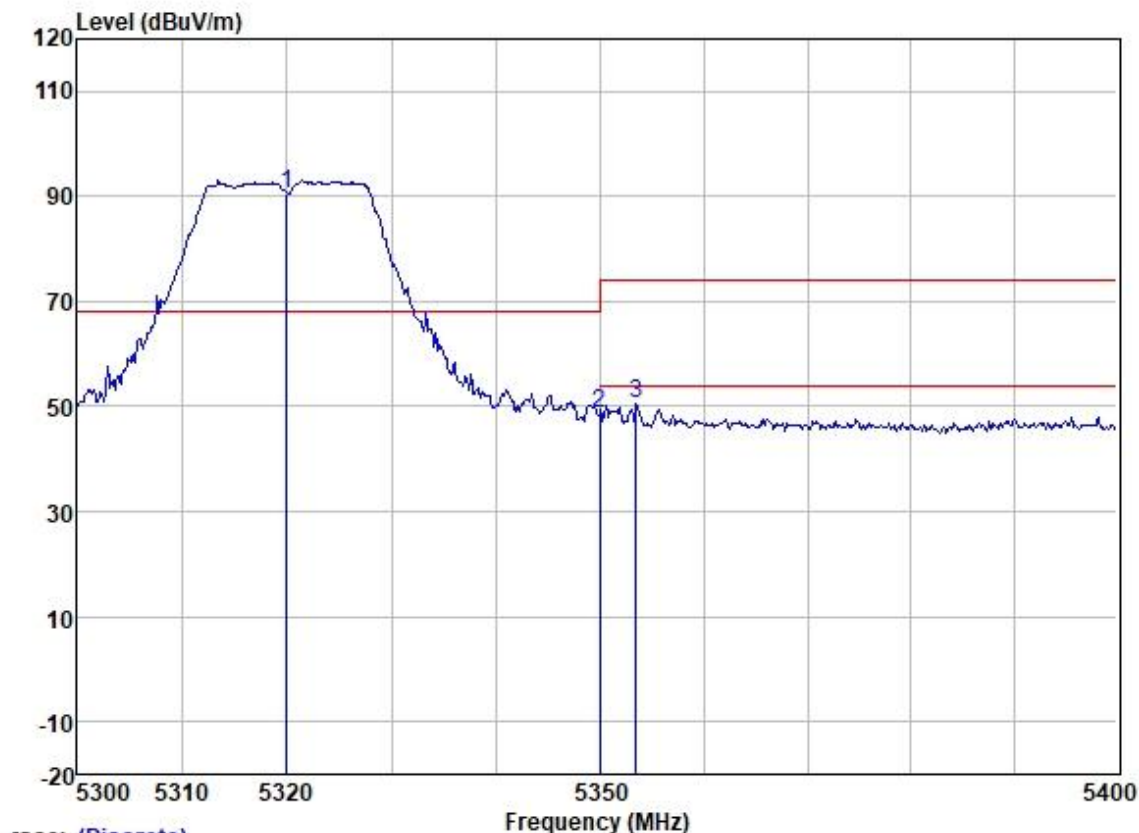
	Read	Antenna	Cable	Preamp		Limit	Over		
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 * 5320.000	80.24	33.06	5.49	36.67	82.12	68.20	13.92	VERTICAL	peak
2 5350.000	43.44	33.04	5.53	36.68	45.33	68.20	-22.87	VERTICAL	peak
3 5392.435	44.77	33.01	5.58	36.68	46.68	74.00	-27.32	VERTICAL	peak



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Test Mode: 06; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High

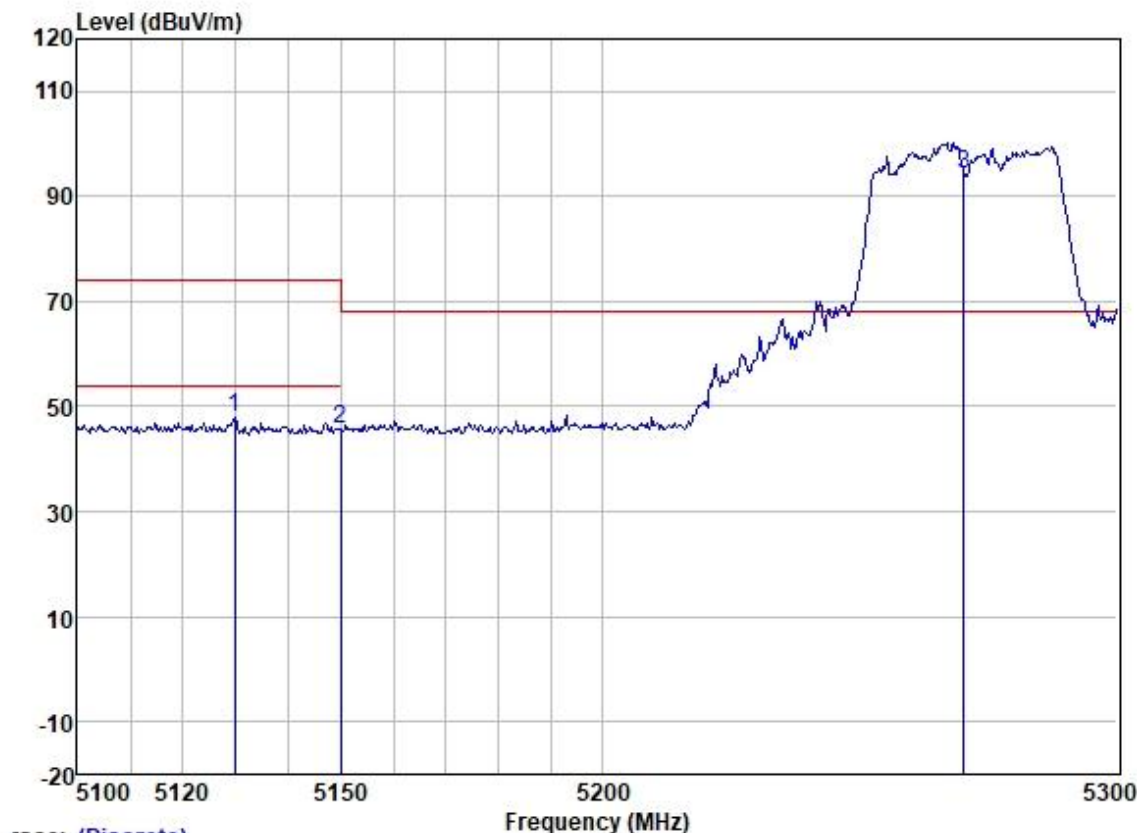


race: (Discrete)

	ReadAntenna	Cable	Preamp		Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5320.000	88.50	33.06	5.49	36.67	90.38	68.20	22.18	HORIZONTAL peak
2	5350.000	46.90	33.04	5.53	36.68	48.79	68.20	-19.41	HORIZONTAL peak
3	5353.468	48.82	33.04	5.53	36.68	50.71	74.00	-23.29	HORIZONTAL peak



Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

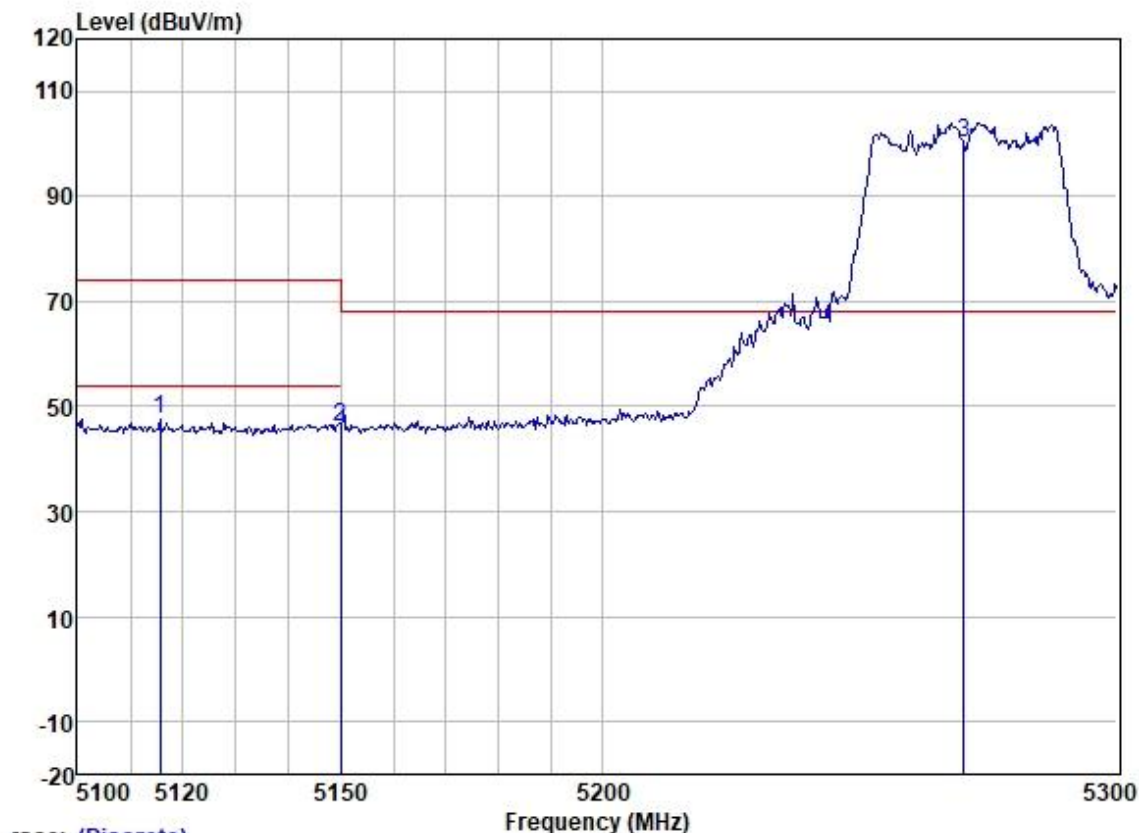


Trace: (Discrete)

	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	5129.709	45.96	33.19	5.38	36.66	47.87	74.00	-26.13	VERTICAL	peak
2	5150.000	43.80	33.18	5.36	36.66	45.68	68.20	-22.52	VERTICAL	peak
3 *	5270.000	92.33	33.09	5.42	36.67	94.17	68.20	25.97	VERTICAL	peak



Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



race: (Discrete)

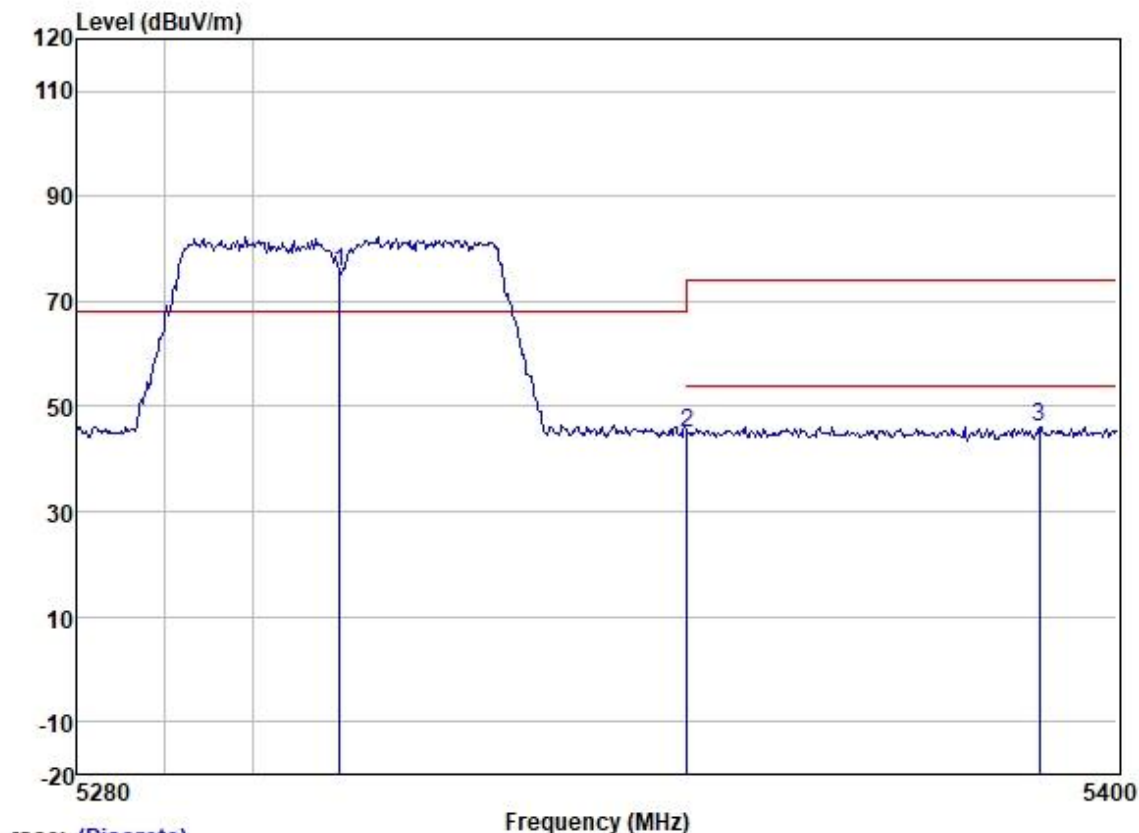
	ReadAntenna	Cable	Preamp		Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5115.718	45.46	33.21	5.40	36.66	47.41	74.00	-26.59	HORIZONTAL peak
2	5150.000	44.04	33.18	5.36	36.66	45.92	68.20	-22.28	HORIZONTAL peak
3 *	5270.000	98.42	33.09	5.42	36.67	100.26	68.20	32.06	HORIZONTAL peak



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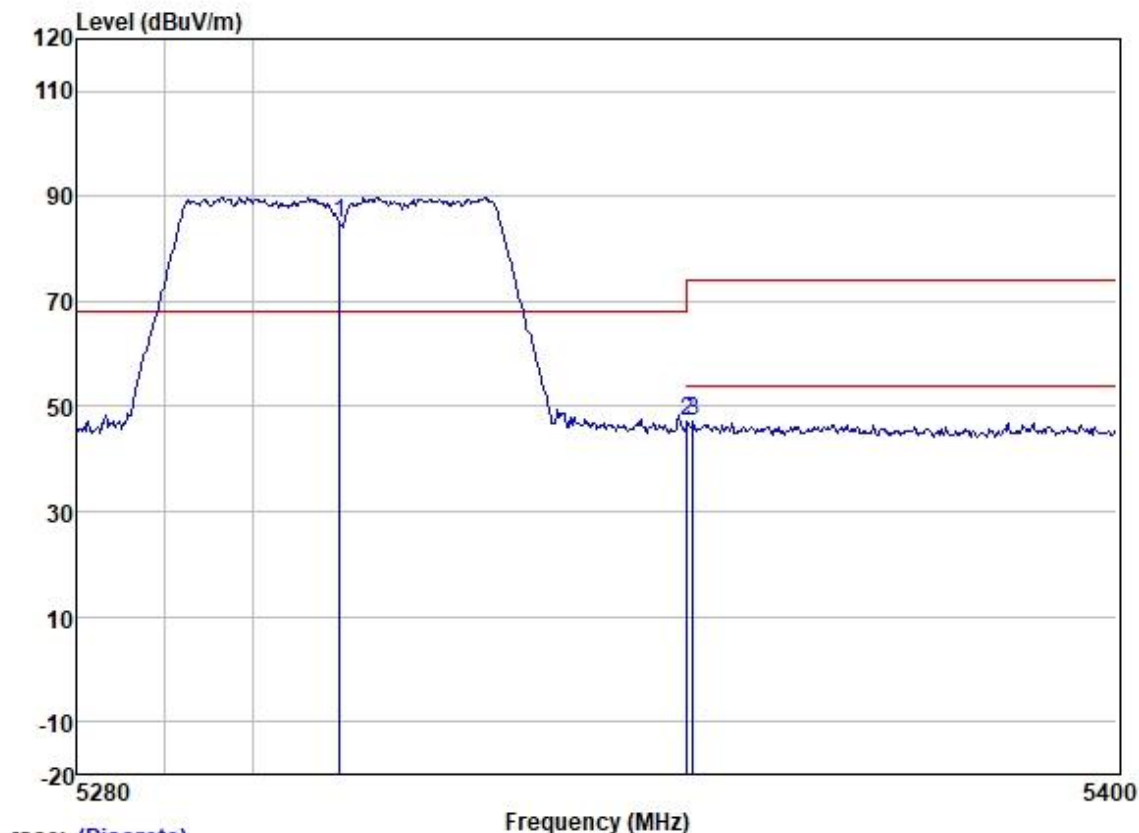
Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



race: (Discrete)

	ReadAntenna	Cable	Preamp		Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 * 5310.000	73.67	33.06	5.49	36.67	75.55	68.20	7.35	VERTICAL	peak
2 5350.000	42.90	33.04	5.53	36.68	44.79	68.20	-23.41	VERTICAL	peak
3 5390.906	44.35	33.01	5.58	36.68	46.26	74.00	-27.74	VERTICAL	peak

Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High

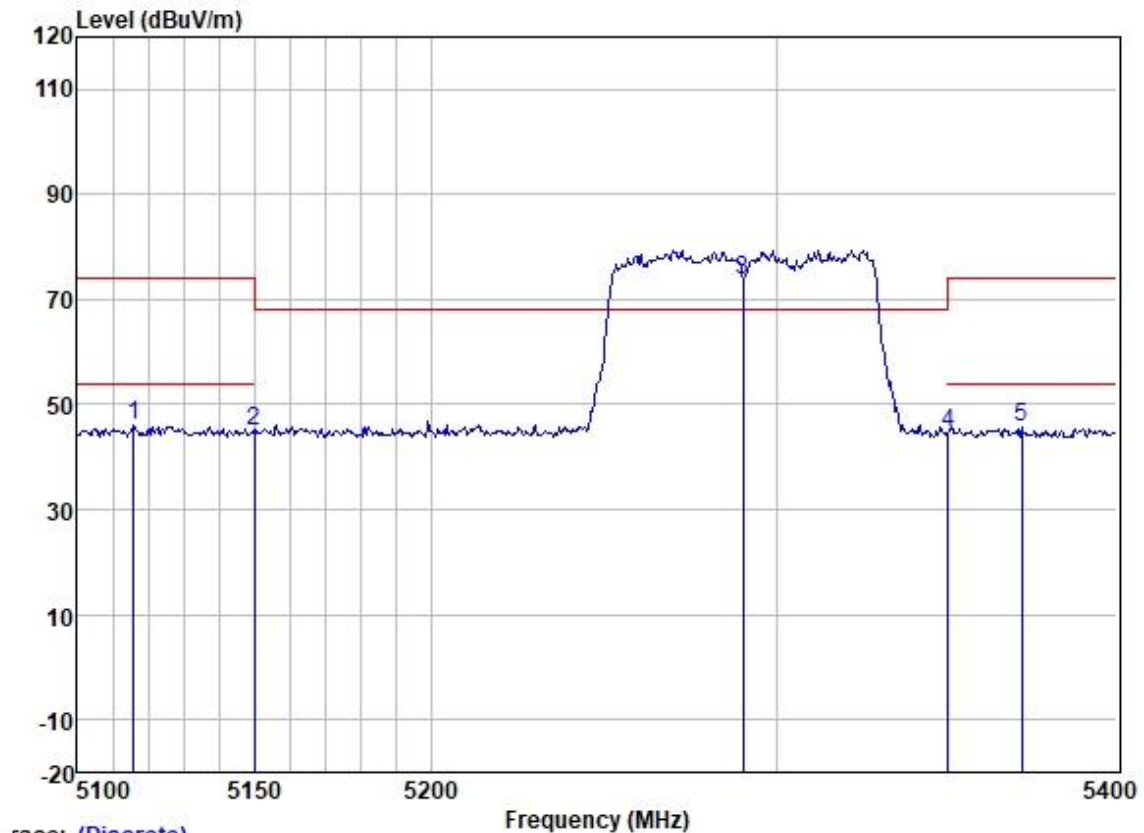


race: (Discrete)

	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	* 5310.000	83.17	33.06	5.49	36.67	85.05	68.20	16.85	HORIZONTAL	peak
2	5350.000	45.34	33.04	5.53	36.68	47.23	68.20	-20.97	HORIZONTAL	peak
3	5350.714	45.18	33.04	5.53	36.68	47.07	74.00	-26.93	HORIZONTAL	peak



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

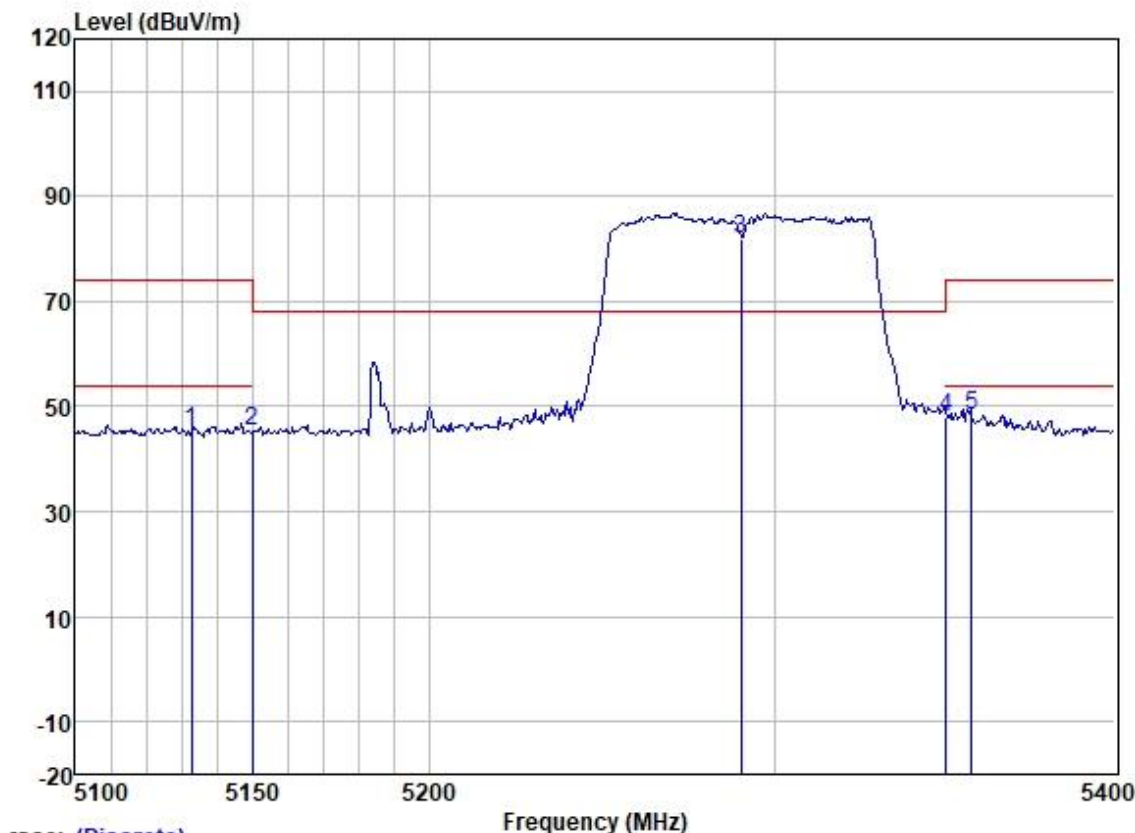


race: (Discrete)

	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	5115.766	44.06	33.21	5.40	36.66	46.01	74.00	-27.99	VERTICAL	peak
2	5150.000	43.26	33.18	5.36	36.66	45.14	68.20	-23.06	VERTICAL	peak
3 *	5290.000	71.77	33.08	5.44	36.67	73.62	68.20	5.42	VERTICAL	peak
4	5350.000	42.82	33.04	5.53	36.68	44.71	68.20	-23.49	VERTICAL	peak
5	5371.678	43.64	33.02	5.56	36.68	45.54	74.00	-28.46	VERTICAL	peak



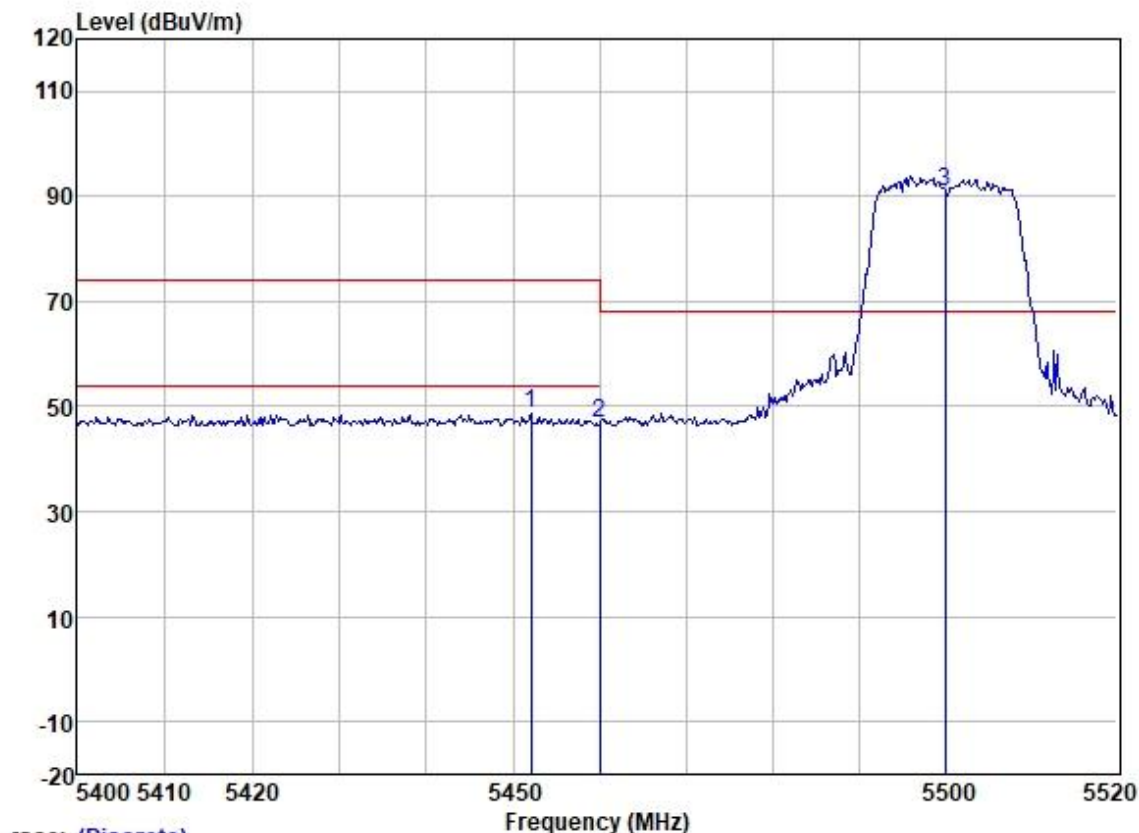
Test Mode: 06; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz



	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	5132.753	43.60	33.19	5.38	36.66	45.51	74.00	-28.49	HORIZONTAL Peak
2	5150.000	43.34	33.18	5.36	36.66	45.22	68.20	-22.98	HORIZONTAL Peak
3 *	5290.000	80.02	33.08	5.44	36.67	81.87	68.20	13.67	HORIZONTAL Peak
4	5350.000	46.19	33.04	5.53	36.68	48.08	68.20	-20.12	HORIZONTAL Peak
5	5357.573	46.56	33.03	5.55	36.68	48.46	74.00	-25.54	HORIZONTAL Peak



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



Trace: (Discrete)

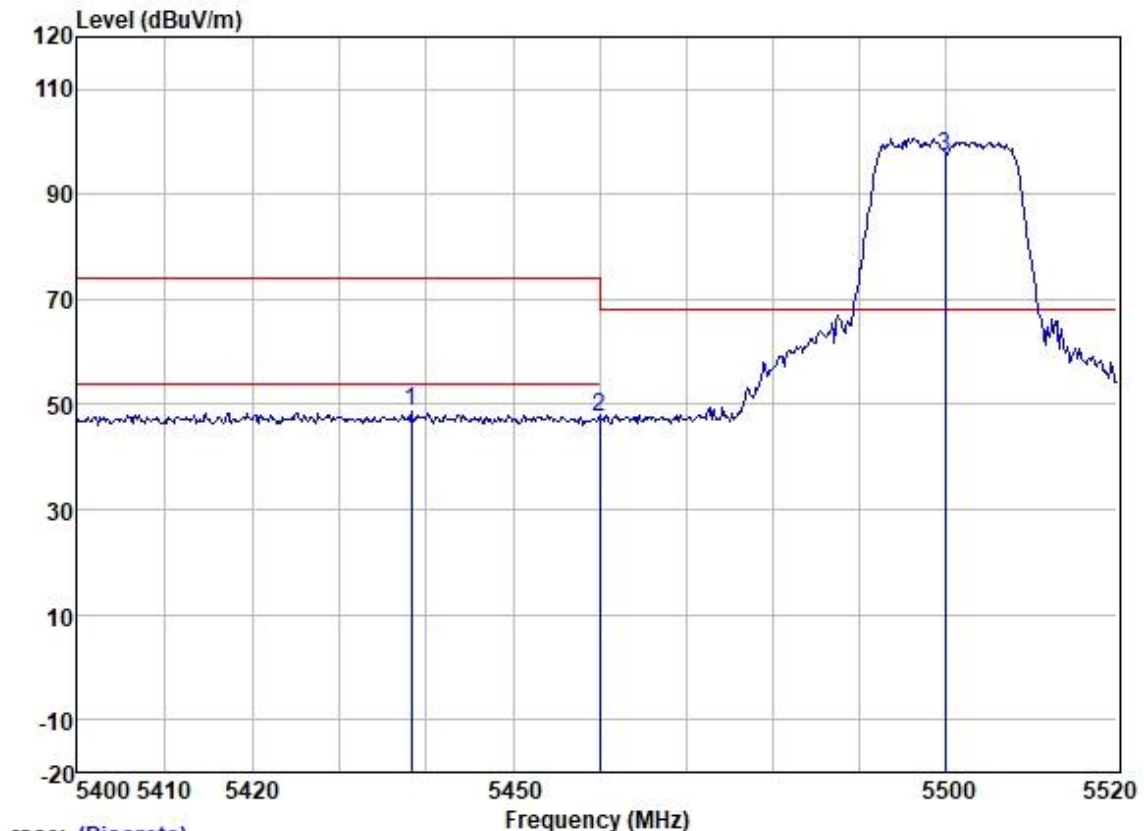
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5451.996	46.81	33.03	5.61	36.76	48.69	74.00	-25.31	VERTICAL	peak
2	5460.000	44.97	33.03	5.61	36.76	46.85	68.20	-21.35	VERTICAL	peak
3 *	5500.000	88.92	33.04	5.63	36.77	90.82	68.20	22.62	VERTICAL	peak



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



Trace: (Discrete)

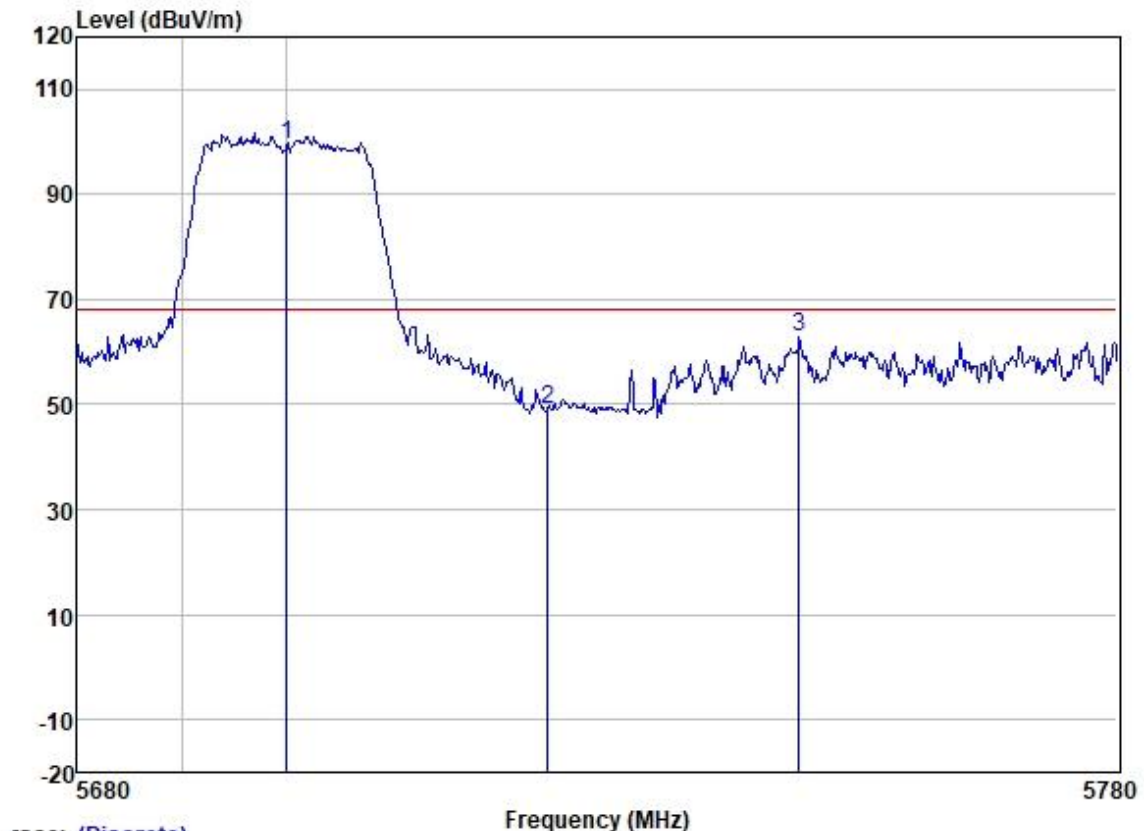
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5438.233	46.72	33.03	5.60	36.76	48.59	74.00	-25.41	HORIZONTAL	peak
2	5460.000	45.58	33.03	5.61	36.76	47.46	68.20	-20.74	HORIZONTAL	peak
3 *	5500.000	95.47	33.04	5.63	36.77	97.37	68.20	29.17	HORIZONTAL	peak



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

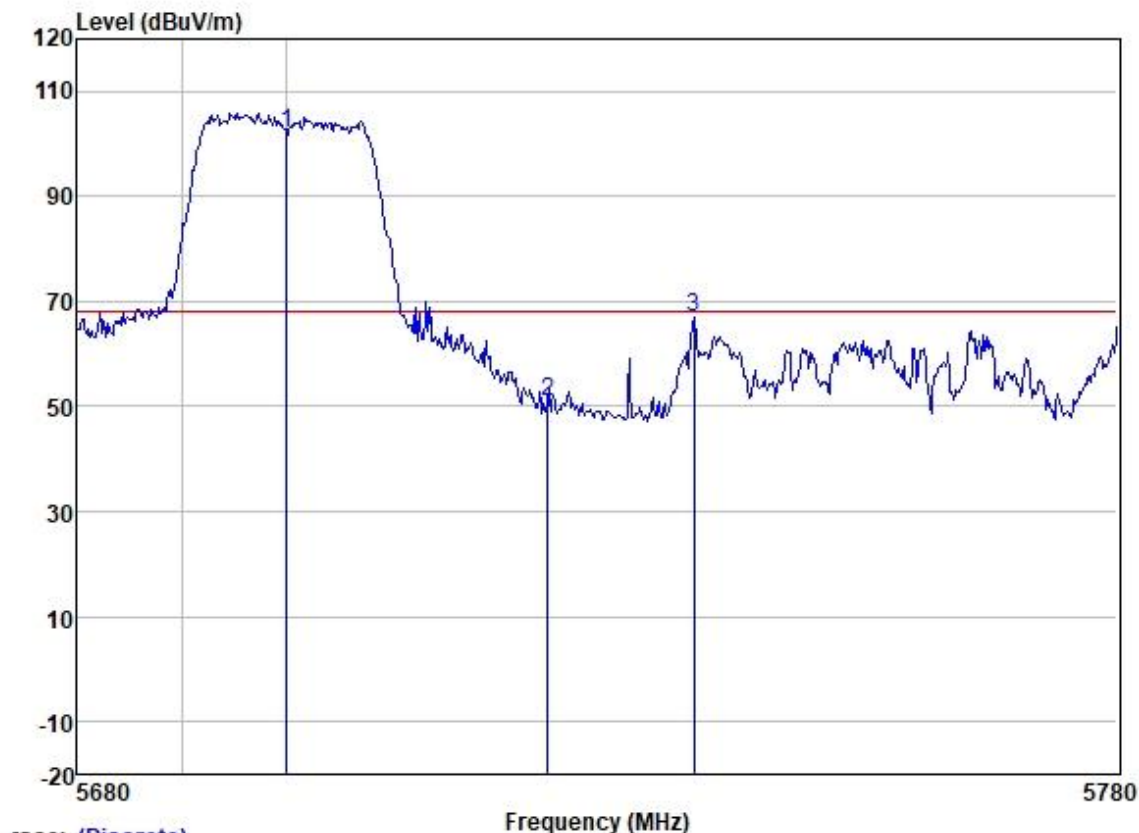


Trace: (Discrete)

	Read	Antenna	Cable	Preamp		Limit	Over		
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 * 5700.000	96.72	33.64	5.70	36.78	99.28	68.20	31.08	VERTICAL	peak
2 5725.000	46.48	33.79	5.72	36.78	49.21	68.20	-18.99	VERTICAL	peak
3 5749.214	59.92	33.88	5.74	36.79	62.75	68.20	-5.45	VERTICAL	peak



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

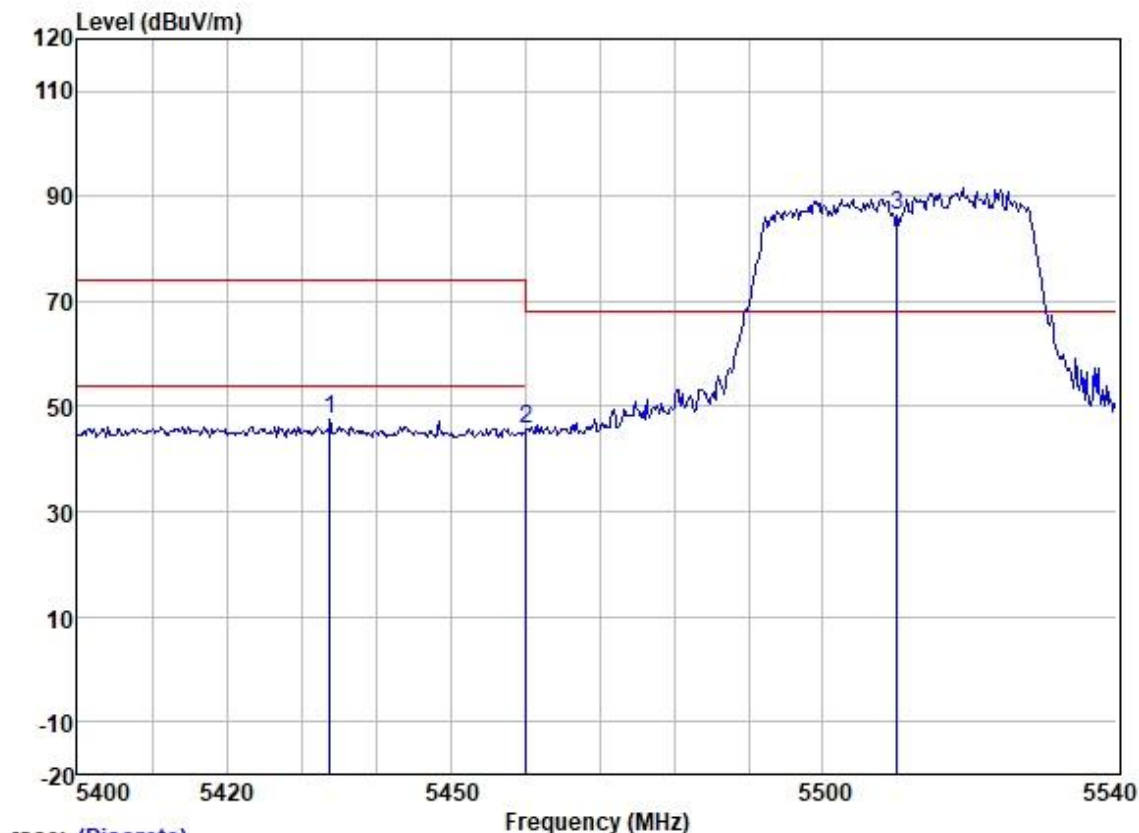


Trace: (Discrete)

	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 * 5700.000	99.68	33.64	5.70	36.78	102.24	68.20	34.04	HORIZONTAL	peak
2 5725.000	48.38	33.79	5.72	36.78	51.11	68.20	-17.09	HORIZONTAL	peak
3 5739.089	64.16	33.88	5.74	36.79	66.99	68.20	-1.21	HORIZONTAL	peak



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

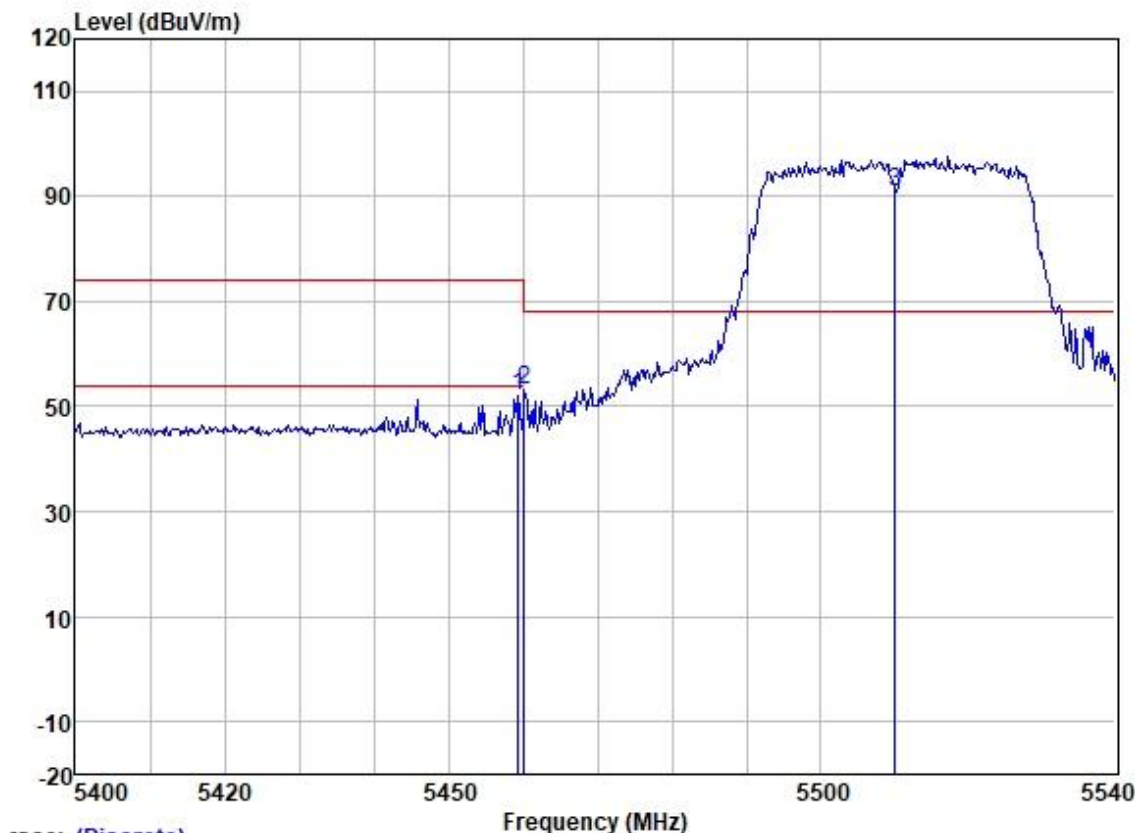


Trace: (Discrete)

	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	5433.691	45.76	33.03	5.60	36.76	47.63	74.00	-26.37	VERTICAL	peak
2	5460.000	43.90	33.03	5.61	36.76	45.78	68.20	-22.42	VERTICAL	peak
3 *	5510.000	84.38	33.04	5.63	36.77	86.28	68.20	18.08	VERTICAL	peak



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



race: (Discrete)

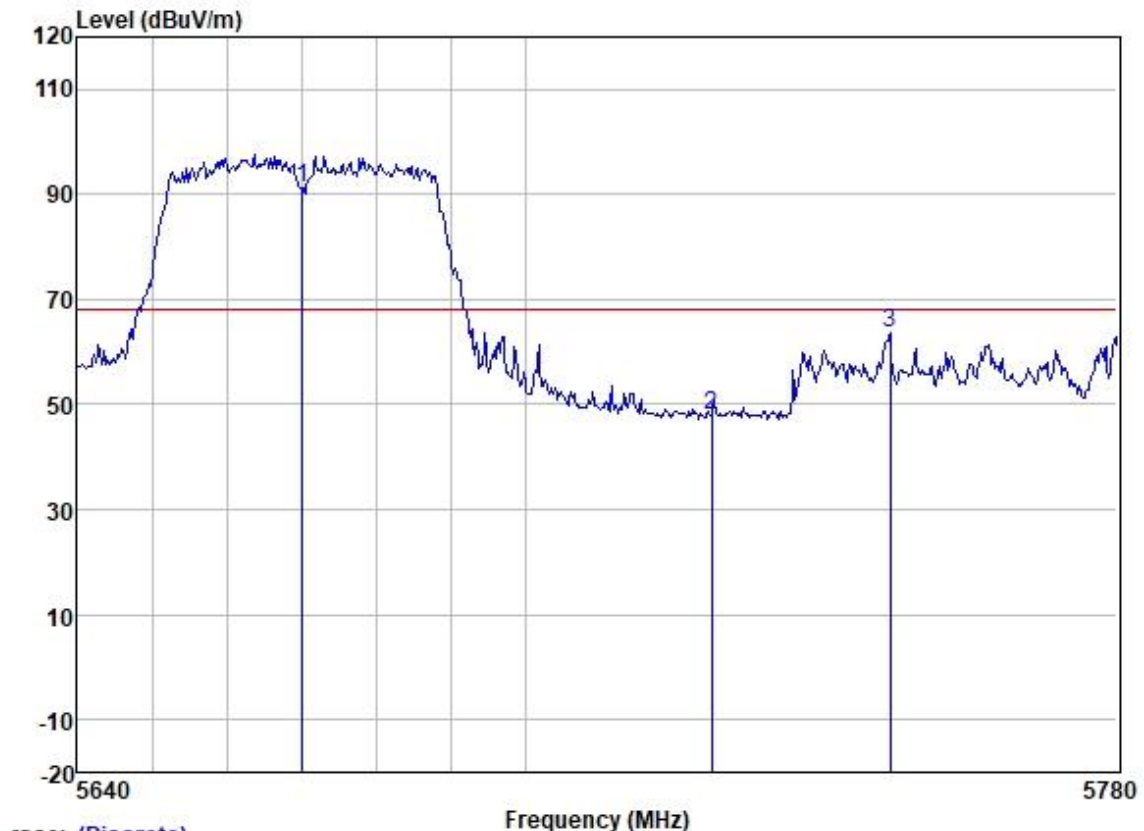
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5459.202	50.02	33.03	5.61	36.76	51.90	74.00	-22.10	HORIZONTAL	peak
2	5460.000	51.20	33.03	5.61	36.76	53.08	68.20	-15.12	HORIZONTAL	peak
3 *	5510.000	89.07	33.04	5.63	36.77	90.97	68.20	22.77	HORIZONTAL	peak



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



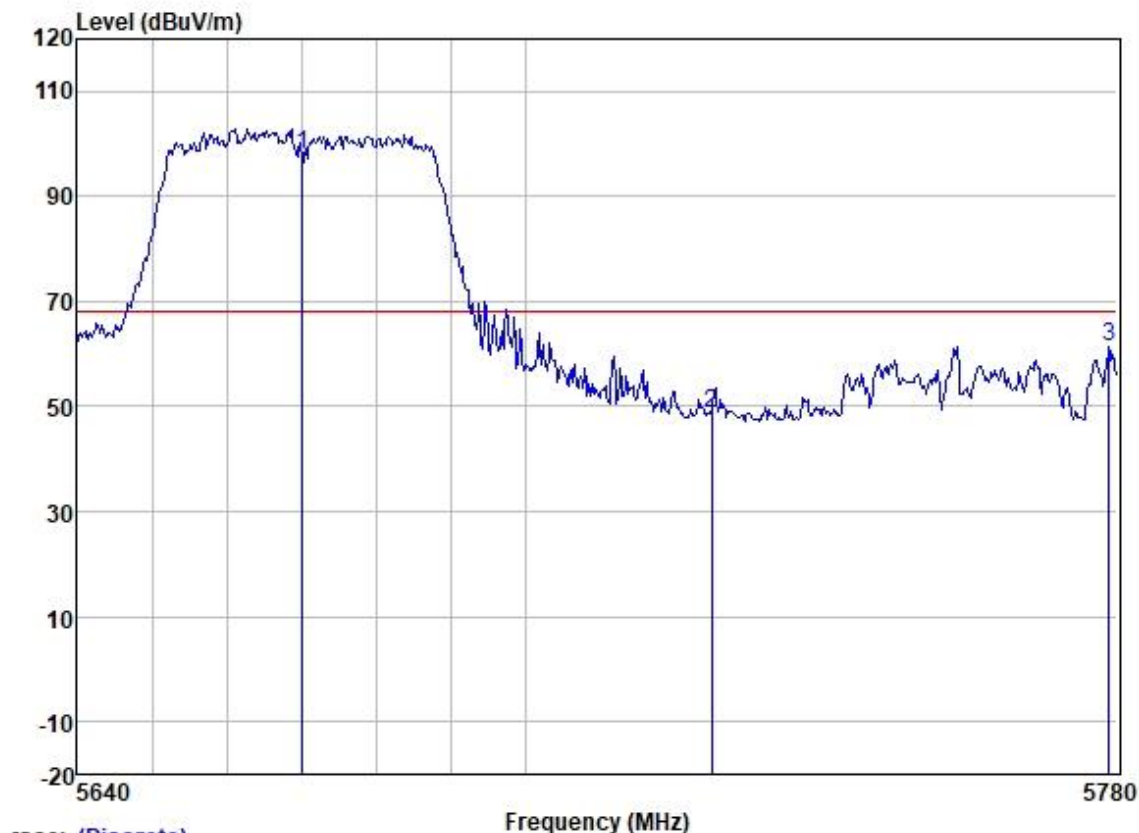
	ReadAntenna	Cable	Preamp		Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 * 5670.000	88.94	33.50	5.69	36.78	91.35	68.20	23.15	VERTICAL	peak
2 5725.000	45.38	33.79	5.72	36.78	48.11	68.20	-20.09	VERTICAL	peak
3 5749.187	60.69	33.88	5.74	36.79	63.52	68.20	-4.68	VERTICAL	peak



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

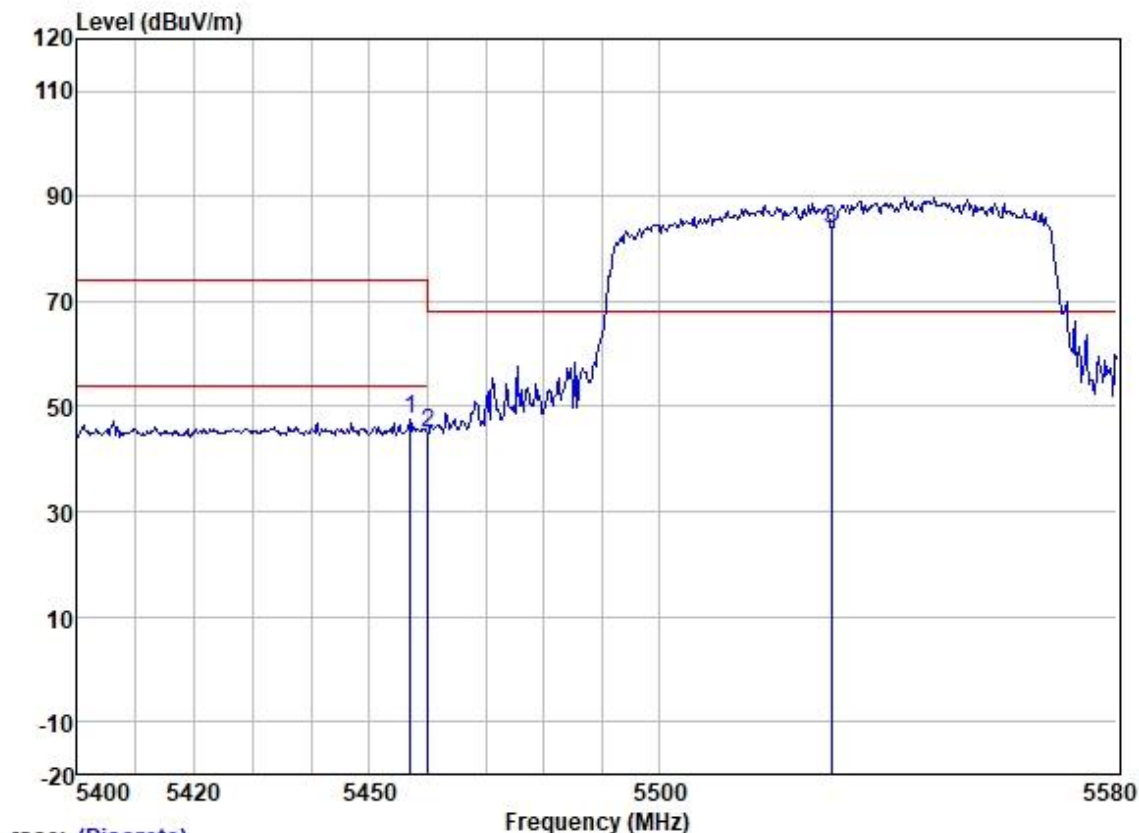


Trace: (Discrete)

	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	* 5670.000	95.44	33.50	5.69	36.78	97.85	68.20	29.65	HORIZONTAL	peak
2	5725.000	45.87	33.79	5.72	36.78	48.60	68.20	-19.60	HORIZONTAL	peak
3	5778.866	58.48	34.05	5.76	36.79	61.50	68.20	-6.70	HORIZONTAL	peak



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

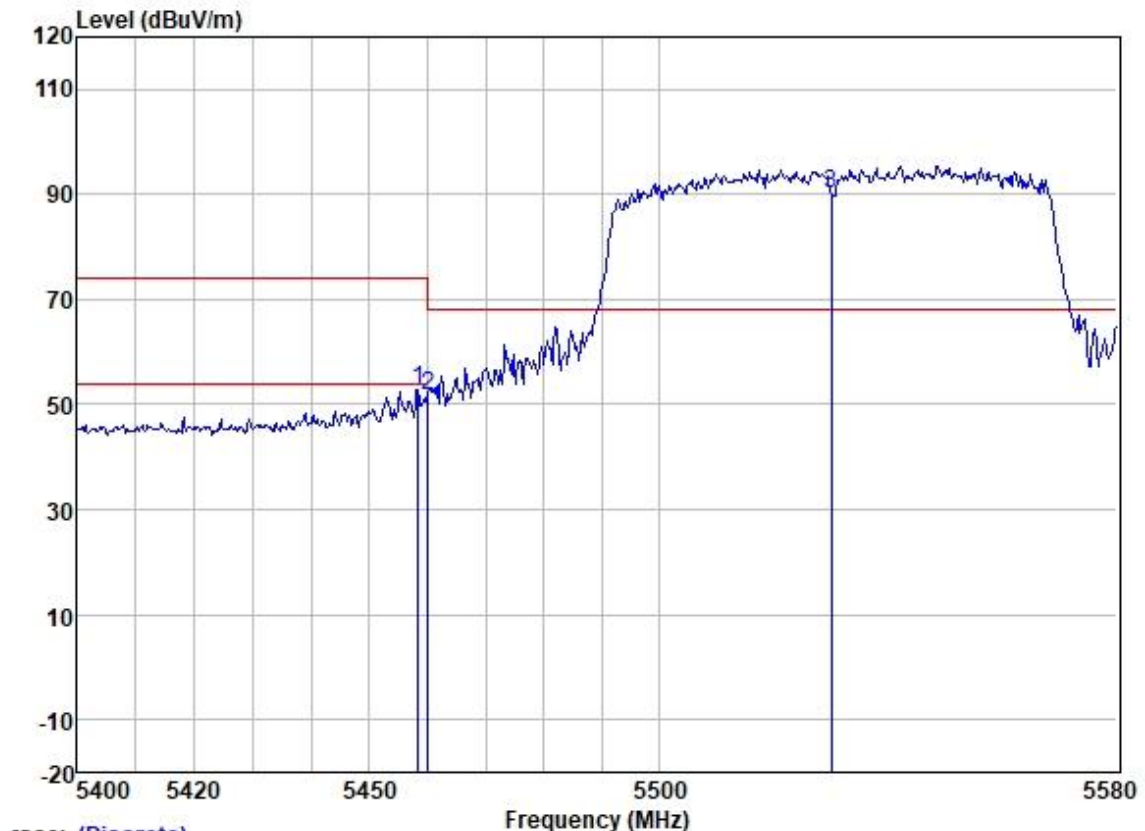


Trace: (Discrete)

	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	5456.959	45.60	33.03	5.61	36.76	47.48	74.00	-26.52	VERTICAL	peak
2	5460.000	43.21	33.03	5.61	36.76	45.09	68.20	-23.11	VERTICAL	peak
3 *	5530.000	81.95	33.09	5.64	36.77	83.91	68.20	15.71	VERTICAL	peak



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

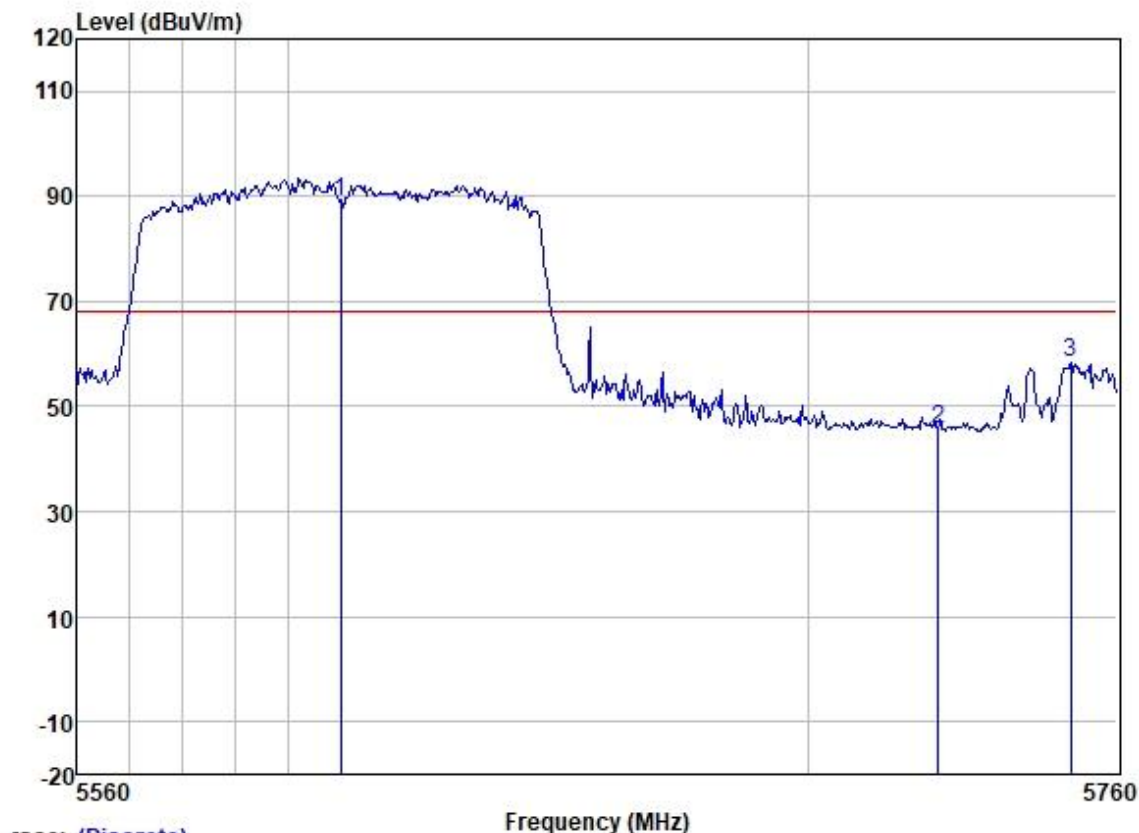


Trace: (Discrete)

	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 5458.391	51.08	33.03	5.61	36.76	52.96	74.00	-21.04	HORIZONTAL	peak
2 5460.000	49.79	33.03	5.61	36.76	51.67	68.20	-16.53	HORIZONTAL	peak
3 * 5530.000	88.23	33.09	5.64	36.77	90.19	68.20	21.99	HORIZONTAL	peak



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



Trace: (Discrete)

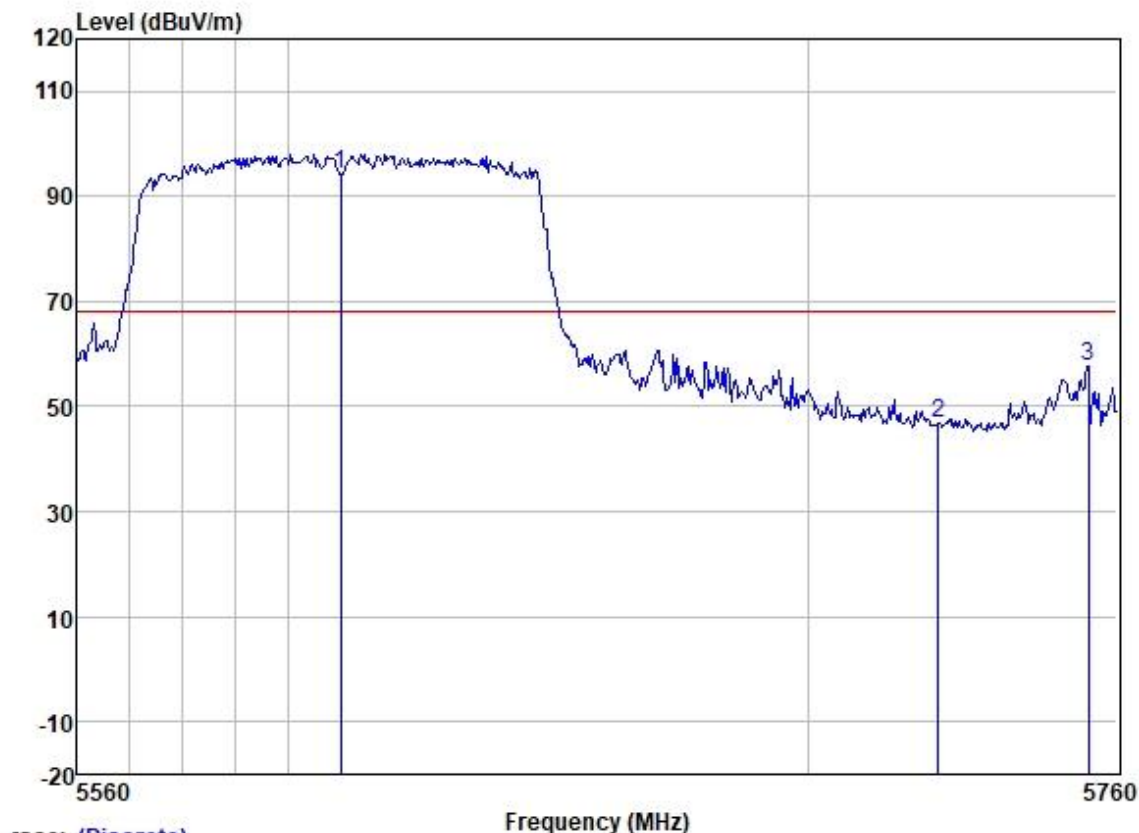
	Read	Antenna	Cable	Preamp		Limit	Over		
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 * 5610.000	86.95	33.28	5.67	36.78	89.12	68.20	20.92	VERTICAL	peak
2 5725.000	43.13	33.79	5.72	36.78	45.86	68.20	-22.34	VERTICAL	peak
3 5750.847	55.58	33.88	5.74	36.79	58.41	68.20	-9.79	VERTICAL	peak



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



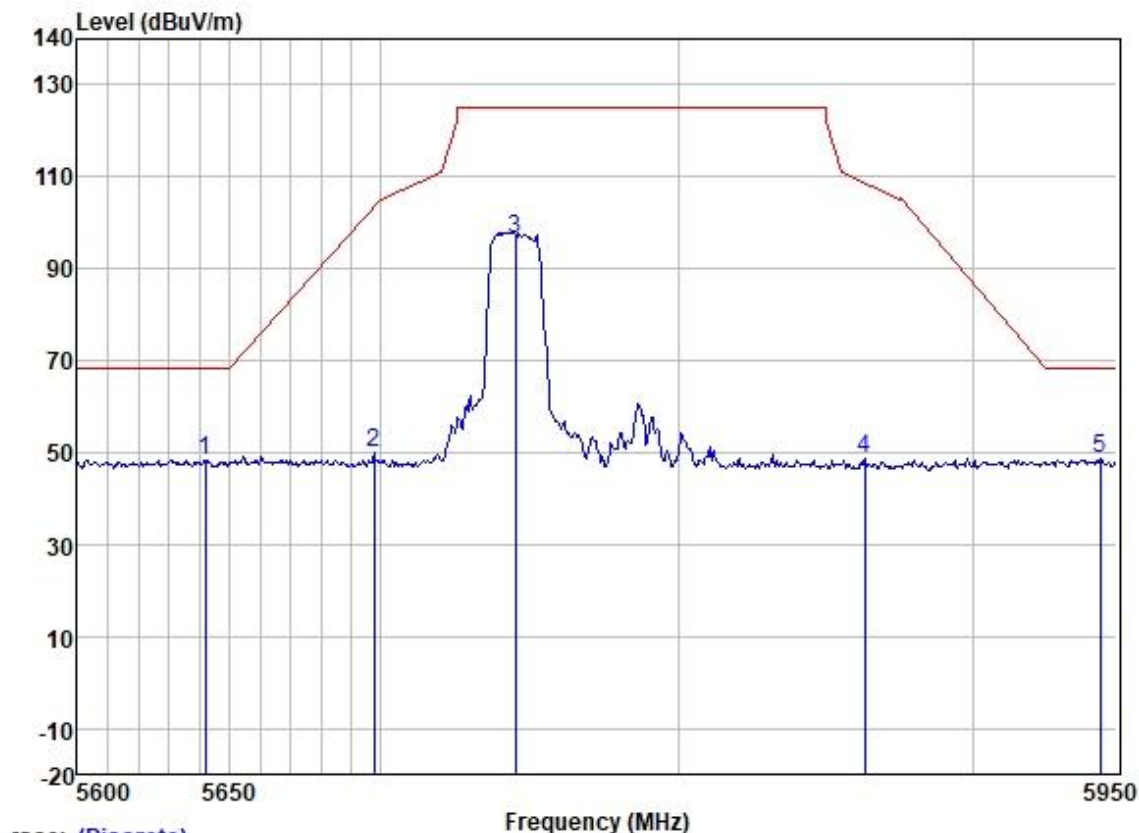
	ReadAntenna	Cable	Preamp		Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 * 5610.000	91.91	33.28	5.67	36.78	94.08	68.20	25.88	HORIZONTAL	peak
2 5725.000	44.12	33.79	5.72	36.78	46.85	68.20	-21.35	HORIZONTAL	peak
3 5754.303	54.83	33.88	5.74	36.79	57.66	68.20	-10.54	HORIZONTAL	Peak



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Test Mode: 08; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

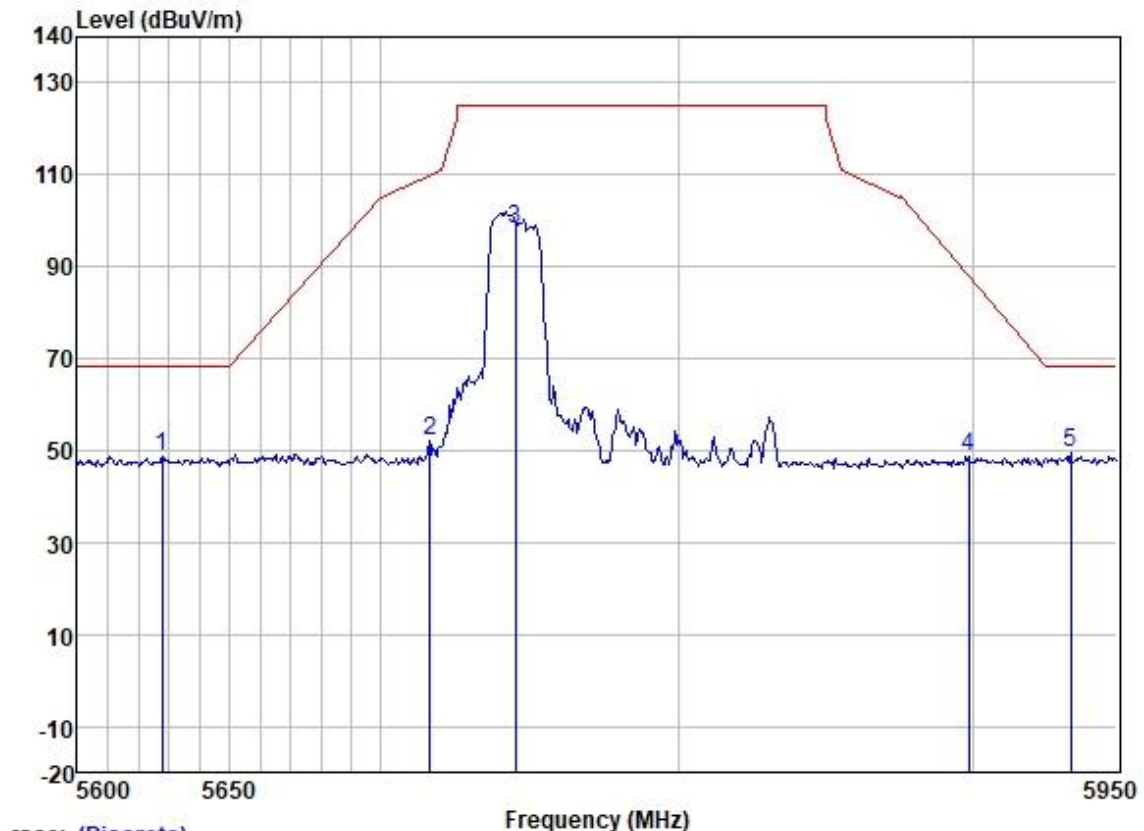


race: (Discrete)

	ReadAntenna	Cable	Preamp		Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5641.915	46.21	31.95	6.35	36.16	48.35	68.20	-19.85	VERTICAL peak
2	5697.598	47.53	32.01	6.40	36.15	49.79	103.43	-53.64	VERTICAL peak
3	5745.000	94.15	32.10	6.20	36.14	96.31	125.20	-28.89	VERTICAL peak
4	5862.988	46.45	32.27	5.96	36.12	48.56	108.56	-60.00	VERTICAL peak
5	5944.231	46.26	32.36	6.05	36.11	48.56	68.20	-19.64	VERTICAL peak



Test Mode: 08; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

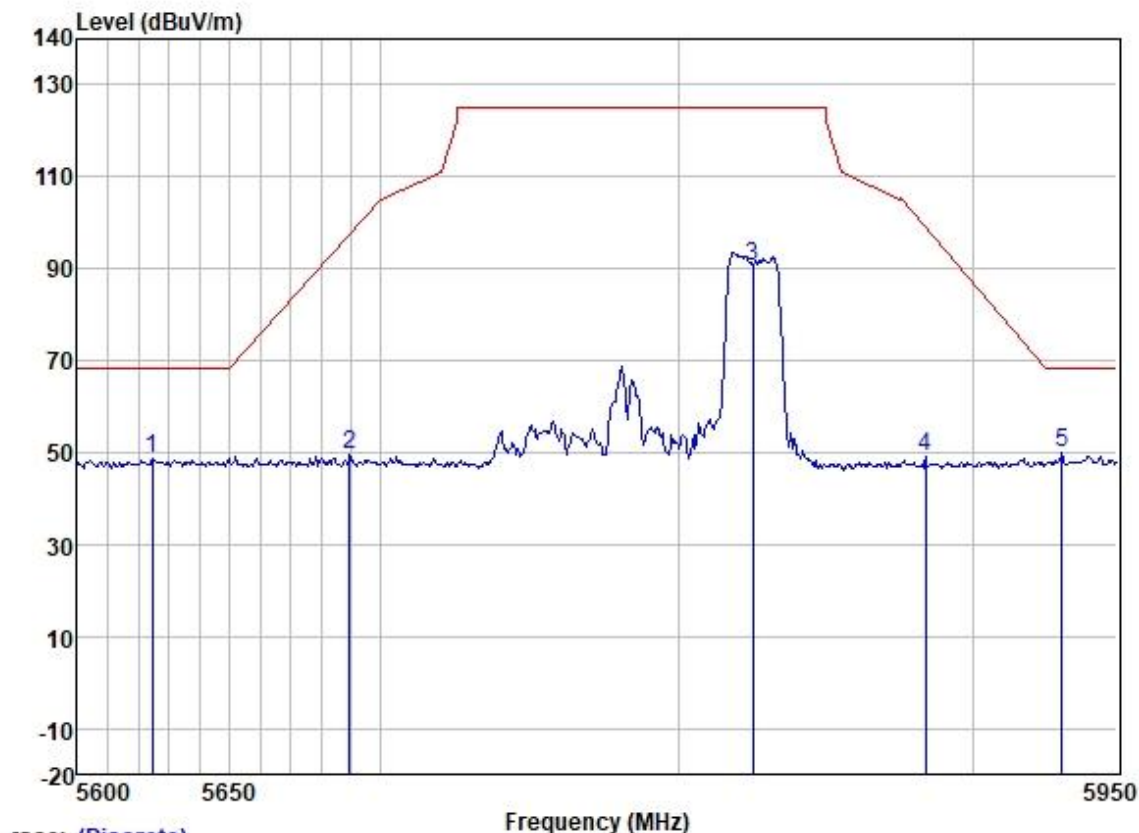


race: (Discrete)

	ReadAntenna	Cable	Preamp		Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5627.908	46.52	31.93	6.33	36.17	48.61	68.20	-19.59	HORIZONTAL peak
2	5716.281	49.84	32.04	6.33	36.15	52.06	109.76	-57.70	HORIZONTAL peak
3	5745.000	96.18	32.10	6.20	36.14	98.34	125.20	-26.86	HORIZONTAL peak
4	5898.641	46.51	32.31	5.90	36.12	48.60	87.70	-39.10	HORIZONTAL peak
5	5933.790	47.30	32.34	6.00	36.11	49.53	68.20	-18.67	HORIZONTAL peak



Test Mode: 08; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



race: (Discrete)

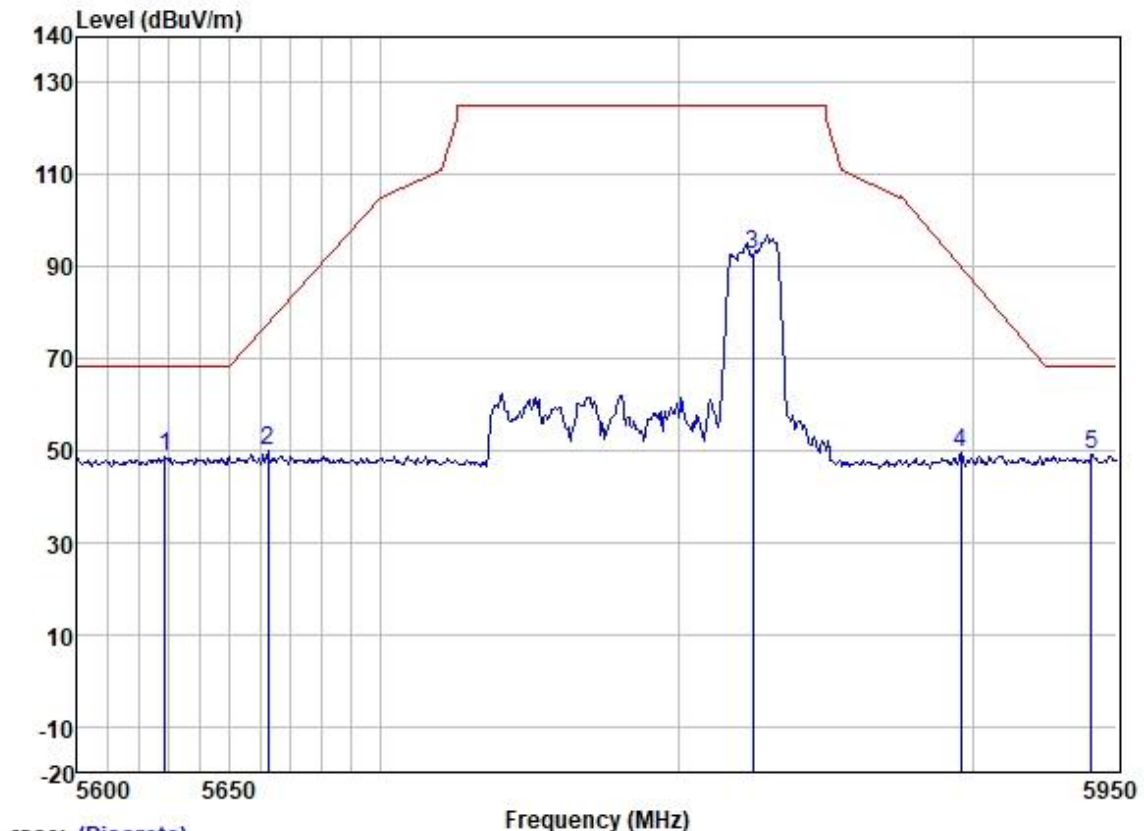
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5624.497	46.56	31.93	6.33	36.17	48.65	68.20	-19.55	VERTICAL	peak
2	5689.659	47.26	32.01	6.40	36.15	49.52	97.57	-48.05	VERTICAL	peak
3	5825.000	88.51	32.23	6.04	36.13	90.65	125.20	-34.55	VERTICAL	peak
4	5883.997	46.91	32.29	5.93	36.12	49.01	98.58	-49.57	VERTICAL	peak
5	5930.913	47.63	32.34	6.00	36.11	49.86	68.20	-18.34	VERTICAL	peak



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Test Mode: 08; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High

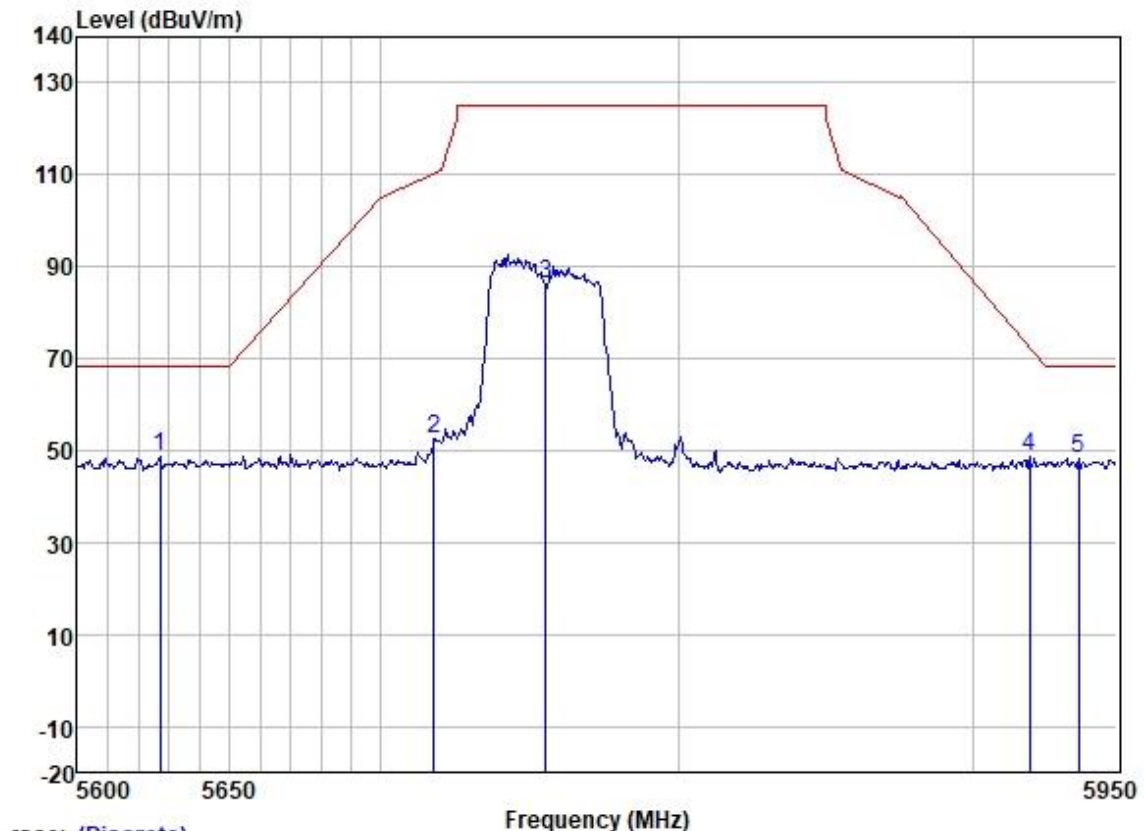


race: (Discrete)

	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	5628.590	46.55	31.93	6.33	36.17	48.64	68.20	-19.56	HORIZONTAL	peak
2	5662.474	47.60	31.97	6.37	36.16	49.78	77.46	-27.68	HORIZONTAL	peak
3	5825.000	90.36	32.23	6.04	36.13	92.50	125.20	-32.70	HORIZONTAL	peak
4	5896.138	47.64	32.31	5.90	36.12	49.73	89.56	-39.83	HORIZONTAL	peak
5	5940.989	47.10	32.34	6.00	36.11	49.33	68.20	-18.87	HORIZONTAL	peak



Test Mode: 08; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



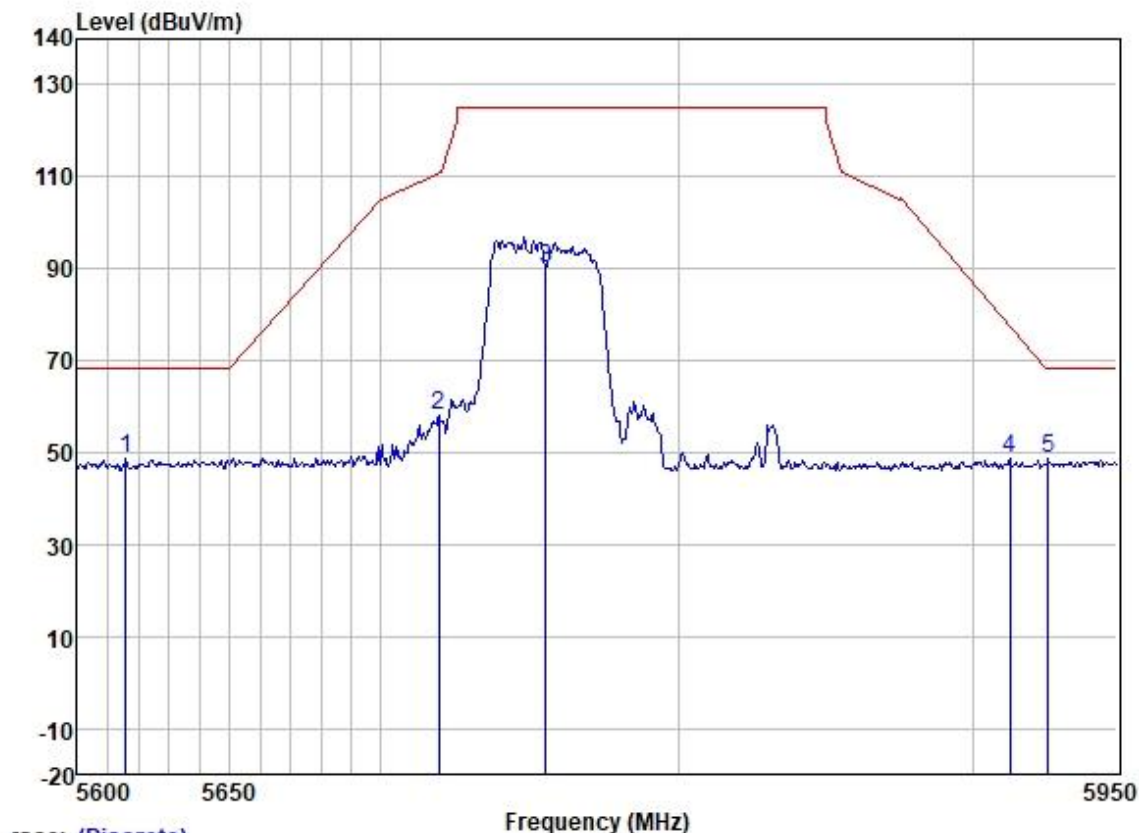
	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5627.226	46.59	31.93	6.33	36.17	48.68	68.20	-19.52	VERTICAL peak
2	5717.667	50.25	32.04	6.33	36.15	52.47	110.15	-57.68	VERTICAL peak
3	5755.000	84.01	32.10	6.20	36.14	86.17	125.20	-39.03	VERTICAL peak
4	5919.777	46.65	32.33	5.95	36.11	48.82	72.06	-23.24	VERTICAL peak
5	5936.668	45.86	32.34	6.00	36.11	48.09	68.20	-20.11	VERTICAL peak



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Test Mode: 08; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

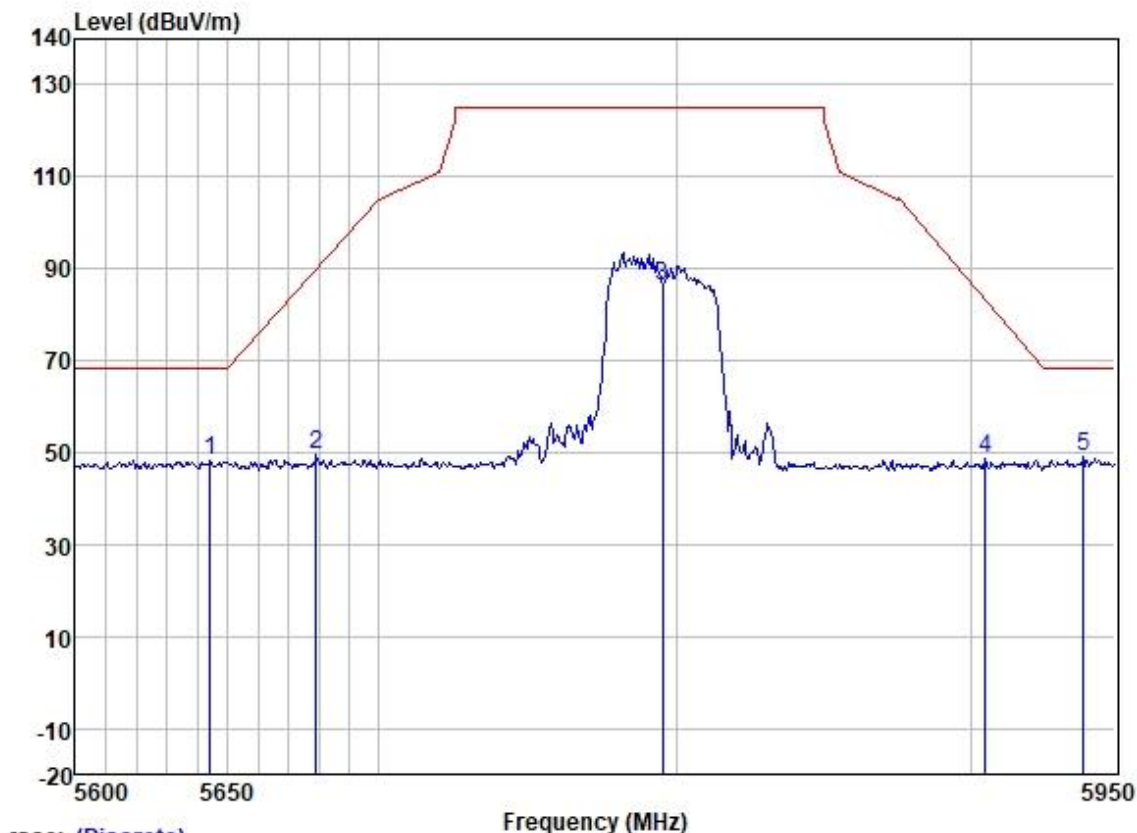


race: (Discrete)

	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	5615.979	46.49	31.91	6.32	36.17	48.55	68.20	-19.65	HORIZONTAL	peak
2	5719.400	55.79	32.04	6.33	36.15	58.01	110.63	-52.62	HORIZONTAL	peak
3	5755.000	87.97	32.10	6.20	36.14	90.13	125.20	-35.07	HORIZONTAL	peak
4	5912.962	46.43	32.33	5.95	36.11	48.60	77.10	-28.50	HORIZONTAL	peak
5	5926.240	46.36	32.34	6.00	36.11	48.59	68.20	-19.61	HORIZONTAL	peak



Test Mode: 08; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High

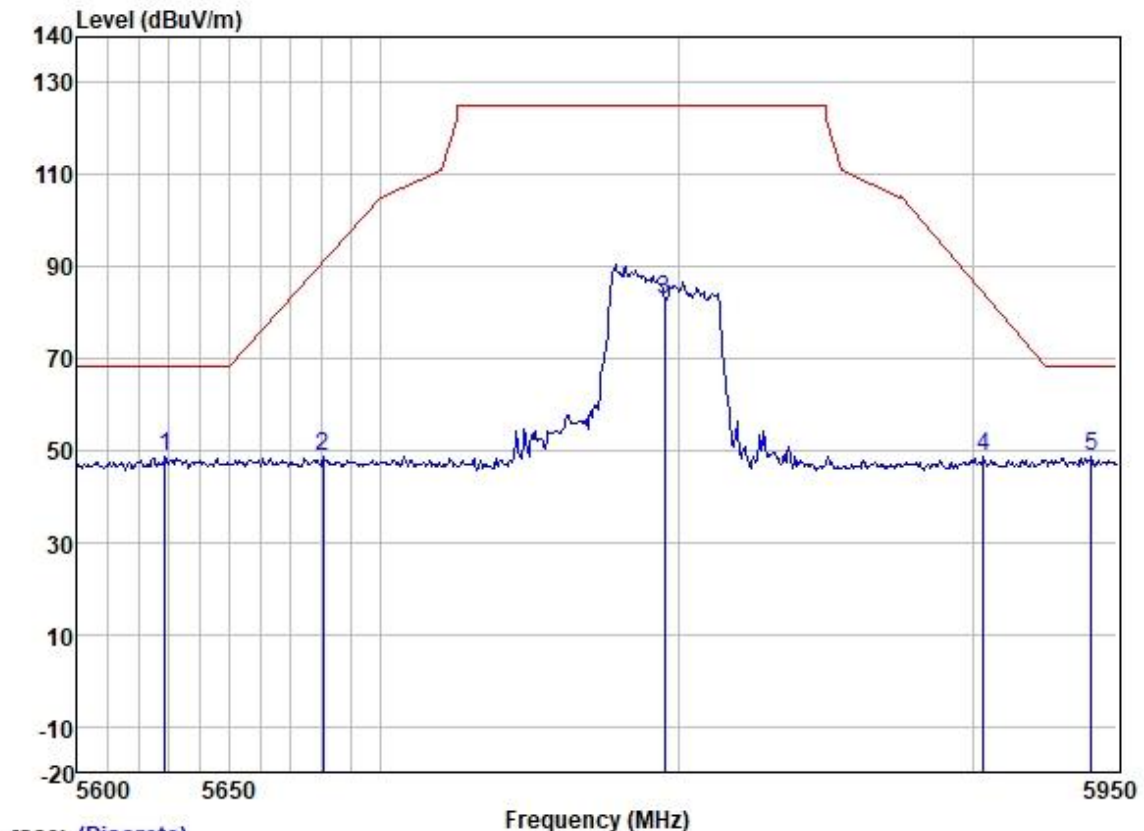


race: (Discrete)

	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	5644.309	45.94	31.95	6.35	36.16	48.08	68.20	-20.12	VERTICAL	peak
2	5679.320	47.26	31.99	6.38	36.16	49.47	89.94	-40.47	VERTICAL	peak
3	5795.000	84.23	32.19	6.10	36.13	86.39	125.20	-38.81	VERTICAL	peak
4	5905.081	46.44	32.31	5.90	36.12	48.53	82.93	-34.40	VERTICAL	peak
5	5938.828	46.68	32.34	6.00	36.11	48.91	68.20	-19.29	VERTICAL	peak



Test Mode: 08; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High

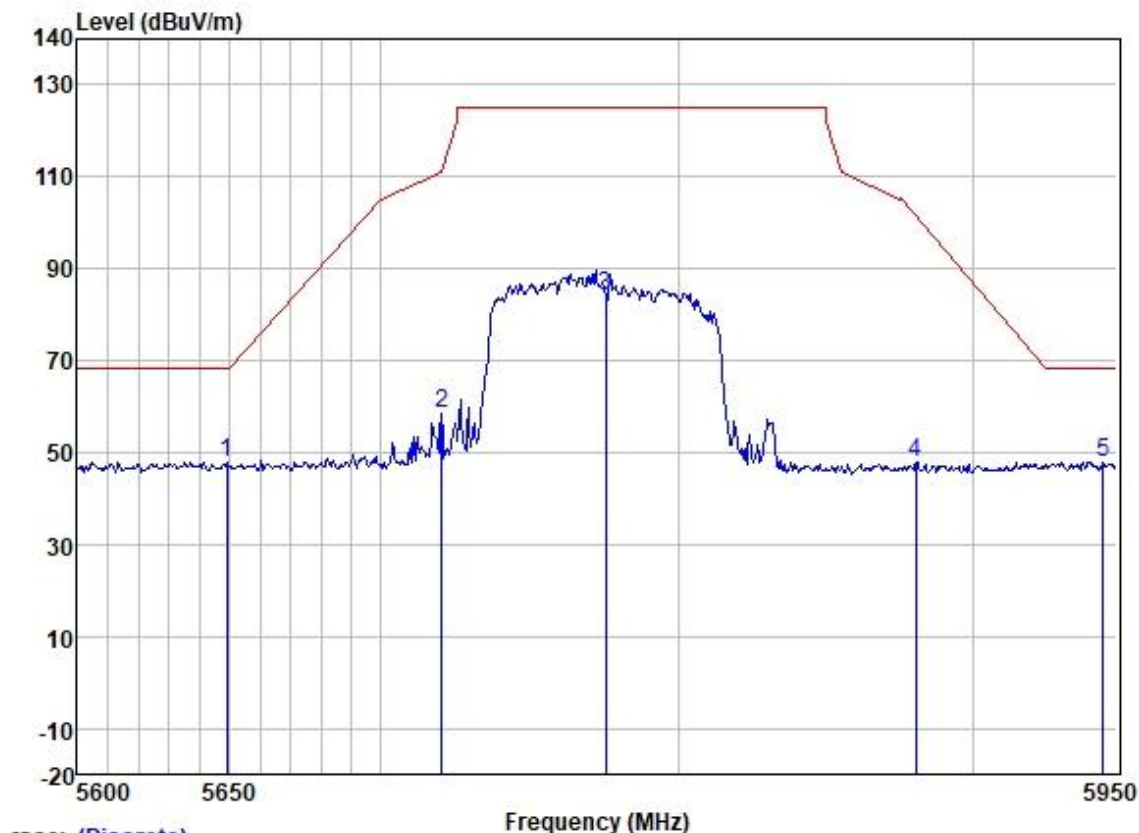


race: (Discrete)

	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	5628.590	46.55	31.93	6.33	36.17	48.64	68.20	-19.56	HORIZONTAL	peak
2	5680.697	46.49	31.99	6.38	36.16	48.70	90.95	-42.25	HORIZONTAL	peak
3	5795.000	80.78	32.19	6.10	36.13	82.94	125.20	-42.26	HORIZONTAL	peak
4	5903.649	46.44	32.31	5.90	36.12	48.53	83.99	-35.46	HORIZONTAL	peak
5	5940.989	46.34	32.34	6.00	36.11	48.57	68.20	-19.63	HORIZONTAL	peak



Test Mode: 08; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz



race: (Discrete)

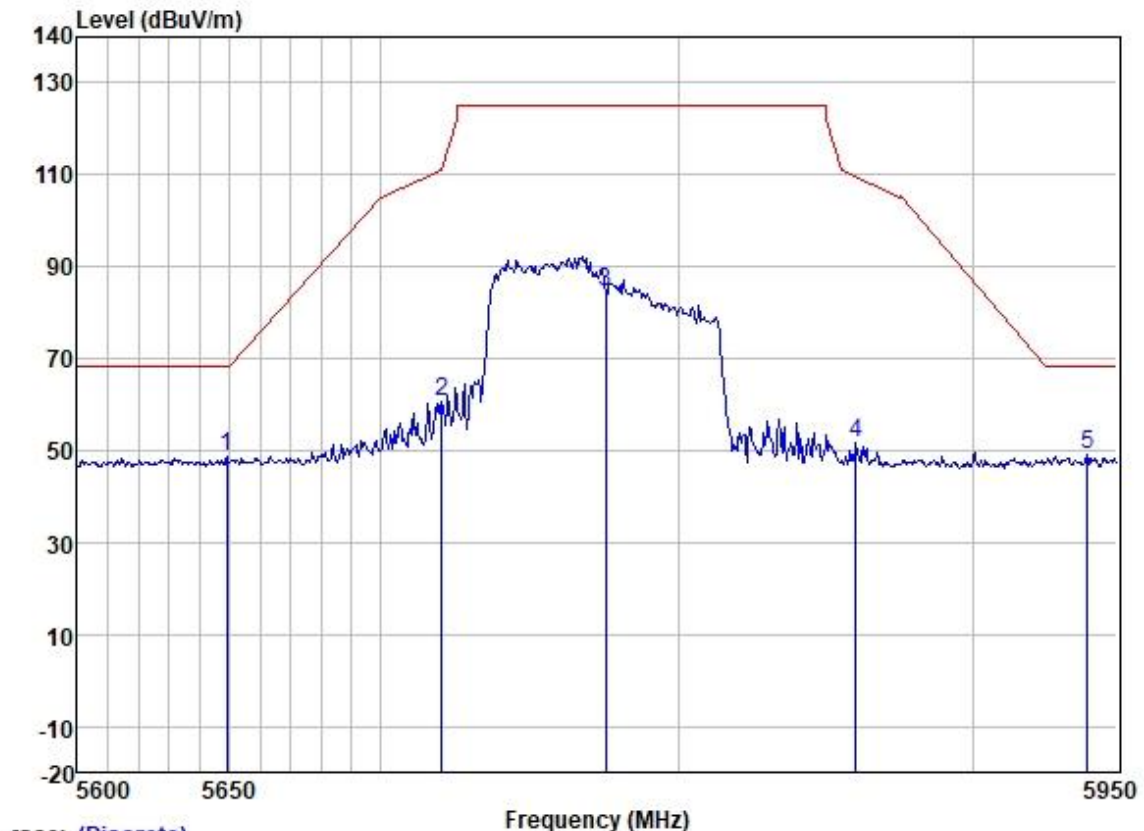
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5649.102	45.78	31.95	6.35	36.16	47.92	68.20	-20.28	VERTICAL	peak
2	5720.094	56.40	32.04	6.33	36.15	58.62	111.01	-52.39	VERTICAL	peak
3	5775.000	81.82	32.16	6.10	36.14	83.94	125.20	-41.26	VERTICAL	peak
4	5880.431	45.91	32.29	5.93	36.12	48.01	101.23	-53.22	VERTICAL	peak
5	5944.952	45.62	32.36	6.05	36.11	47.92	68.20	-20.28	VERTICAL	peak



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Test Mode: 08; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz



race: (Discrete)

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5649.102	46.47	31.95	6.35	36.16	48.61	68.20	-19.59	HORIZONTAL	peak
2	5720.094	58.29	32.04	6.33	36.15	60.51	111.01	-50.50	HORIZONTAL	peak
3	5775.000	82.29	32.16	6.10	36.14	84.41	125.20	-40.79	HORIZONTAL	peak
4	5860.146	49.73	32.27	5.96	36.12	51.84	109.36	-57.52	HORIZONTAL	peak
5	5939.548	46.88	32.34	6.00	36.11	49.11	68.20	-19.09	HORIZONTAL	peak



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: 20.3 °C

Humidity: 57.0 % RH

Atmospheric Pressure: 1014 mbar

7.11.2 Test Mode Description

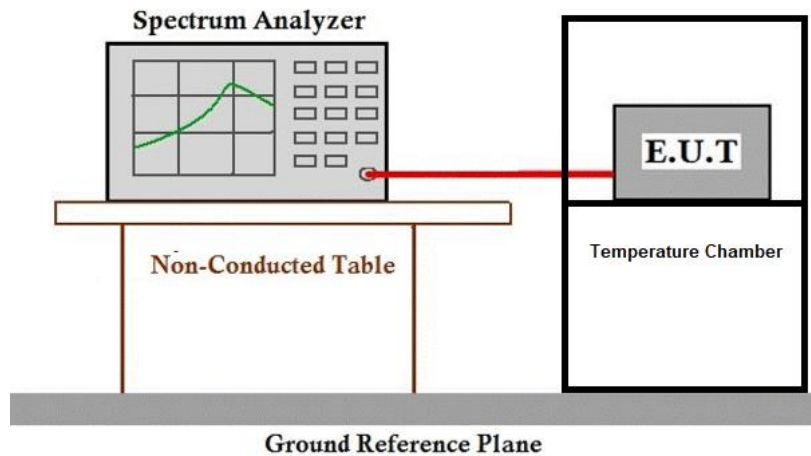
Pre-scan / Final test	Mode Code	Description
Final test	05	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	06	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 20/40/80, Only the data of worst case is recorded in the report.
Final test	07	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 20/40/80, 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/ac 20/40/80, Only the data of worst case is recorded in the report.



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7.11.3 Test Setup Diagram



7.11.4 Measurement Procedure and Data

Please Refer to Appendix for Details

8 Test Setup Photo

Refer to Appendix - Test Setup Photo for GZCR240100007504



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9 EUT Constructional Details (EUT Photos)

Refer to Appendix - External and Internal Photos for GZCR2401000075AT



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10 Appendix

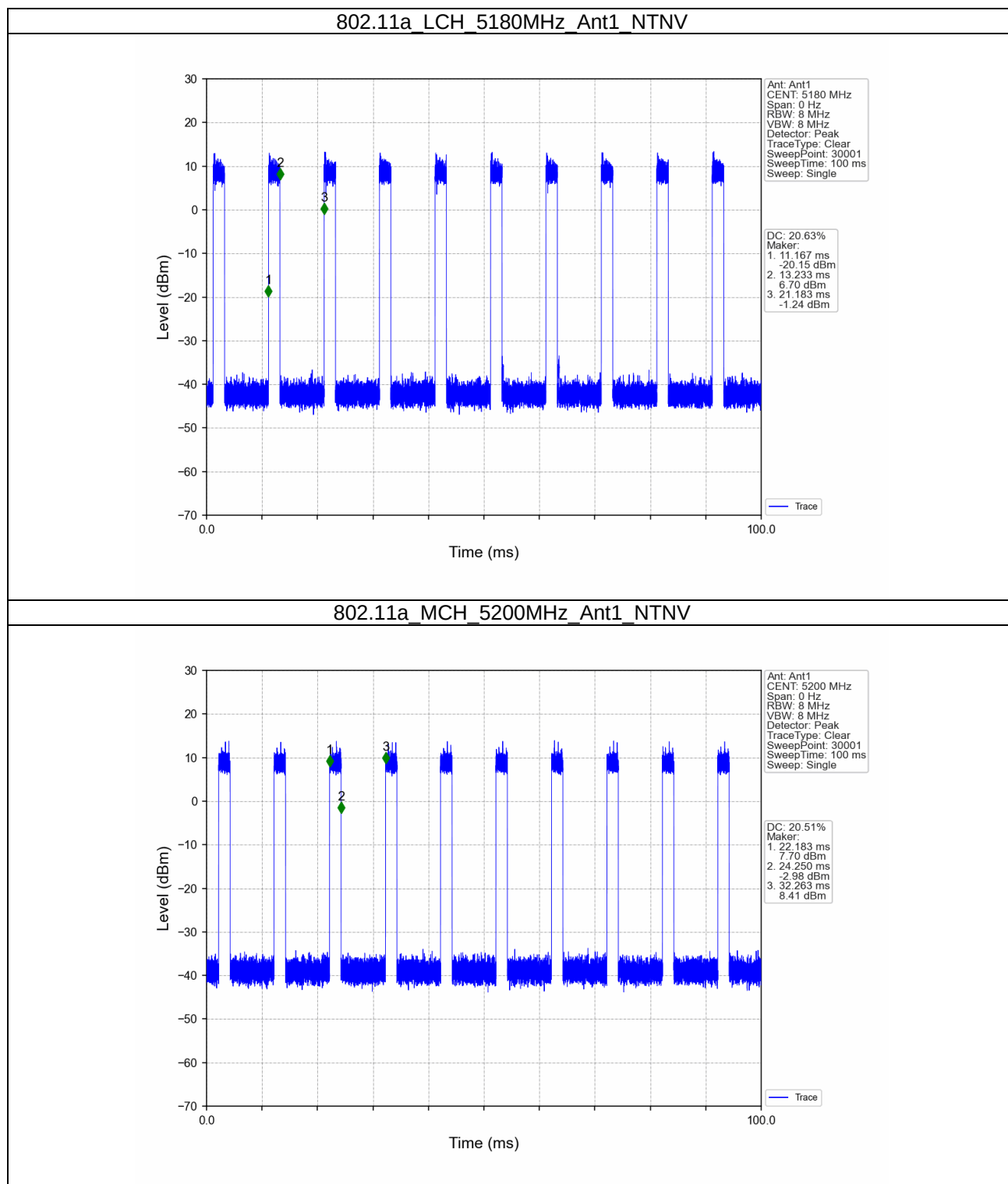
1. Duty Cycle

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	2.066	10.016	20.63	6.86	0.07
		5200	2.067	10.080	20.51	6.88	0.33
		5240	2.063	10.013	20.60	6.86	0.10
		5260	2.063	10.016	20.60	6.86	0.10
		5300	2.066	10.050	20.56	6.87	0.24
		5320	2.064	10.017	20.60	6.86	0.10
		5500	2.067	10.017	20.63	6.85	0.04
		5580	2.063	10.017	20.59	6.86	0.10
		5700	2.064	10.014	20.61	6.86	0.10
		5745	2.064	10.017	20.60	6.86	0.10
		5785	2.067	10.080	20.51	6.88	0.33
		5825	2.063	10.013	20.60	6.86	0.09
802.11n (HT40)	SISO	5190	0.947	10.080	9.39	10.27	0.15
		5230	0.944	10.017	9.42	10.26	0.03
		5270	0.943	10.016	9.41	10.26	0.03
		5310	0.943	10.013	9.42	10.26	0.06
		5510	0.944	10.017	9.42	10.26	0.06
		5550	0.943	10.110	9.33	10.30	0.24
		5670	0.946	10.016	9.44	10.25	0.03
		5755	0.943	9.983	9.45	10.25	0.00
		5795	0.943	10.013	9.42	10.26	0.06
802.11ac (VHT80)	SISO	5210	1.920	10.047	19.11	7.19	0.21
		5290	1.920	10.016	19.17	7.17	0.06
		5530	1.920	10.080	19.05	7.20	0.31
		5610	1.920	10.017	19.17	7.17	0.06
		5775	1.920	10.013	19.18	7.17	0.09

1.1.2 Test Graph



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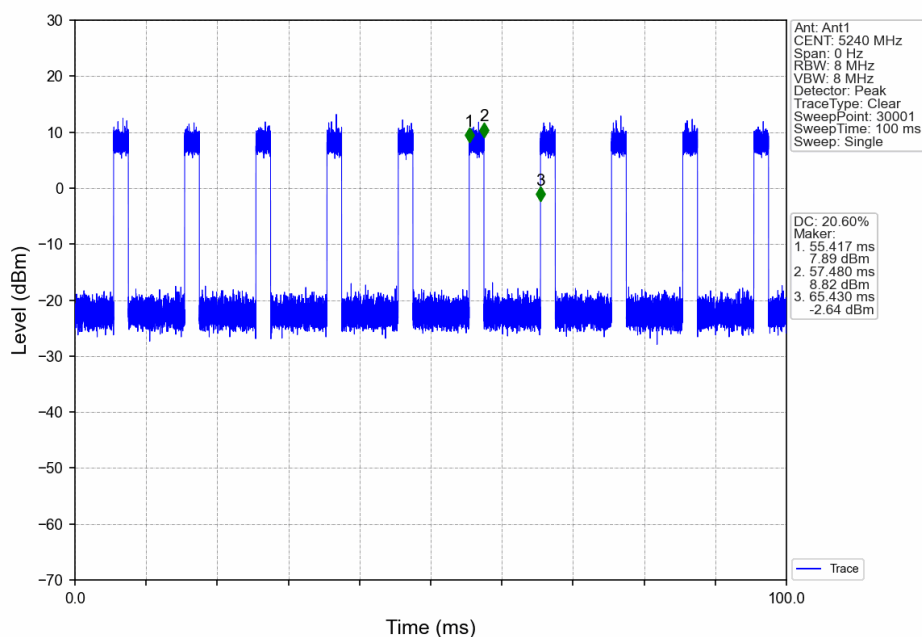
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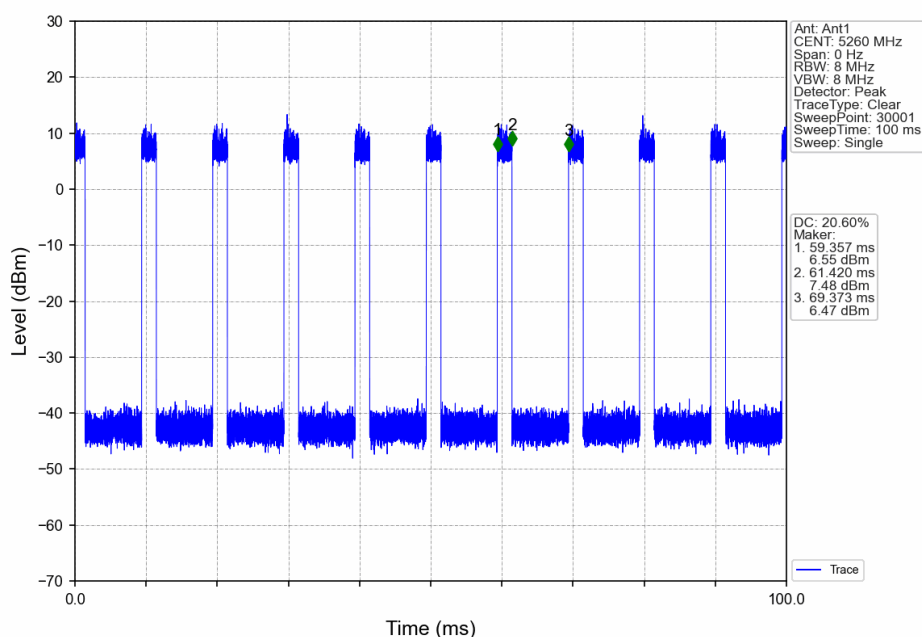
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802.11a_HCH_5240MHz_Ant1_NTNV



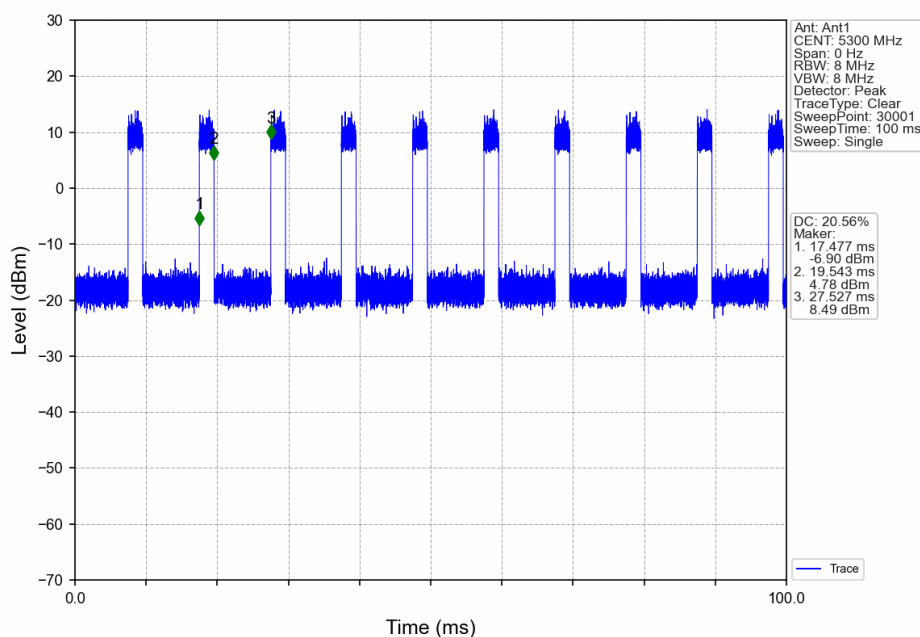
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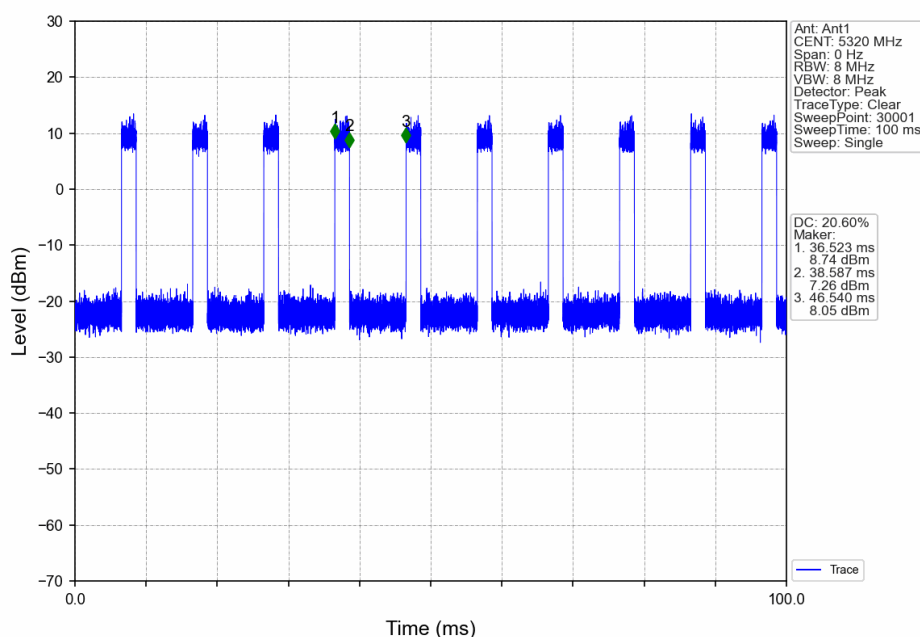
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802.11a_MCH_5300MHz_Ant1_NTNV



802.11a_HCH_5320MHz_Ant1_NTNV



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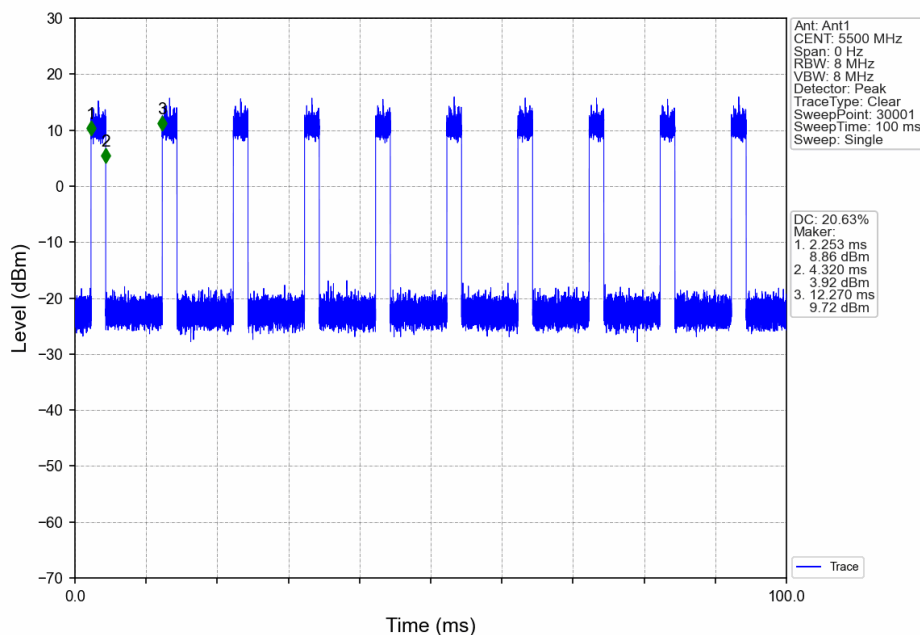
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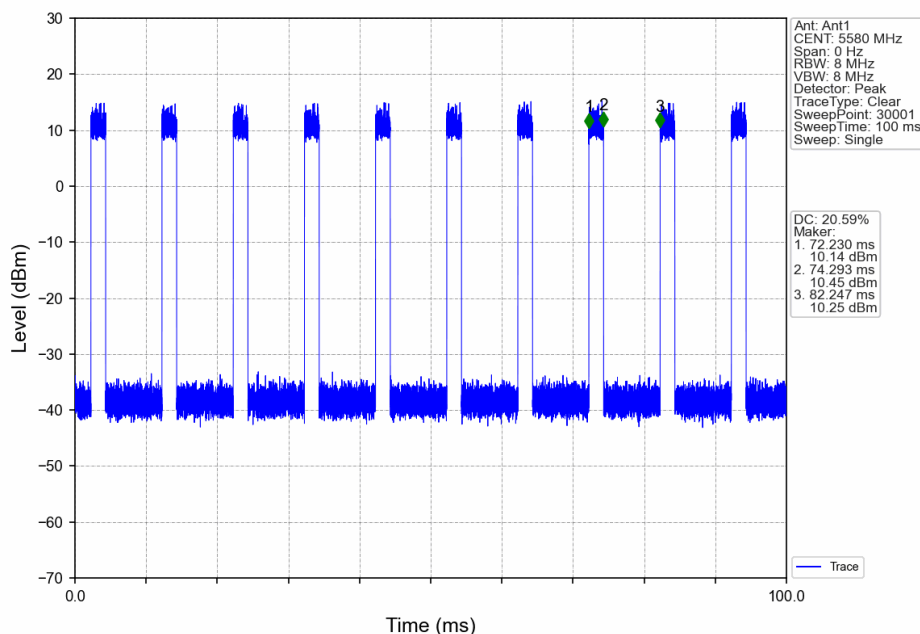
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802.11a_LCH_5500MHz_Ant1_NTNV



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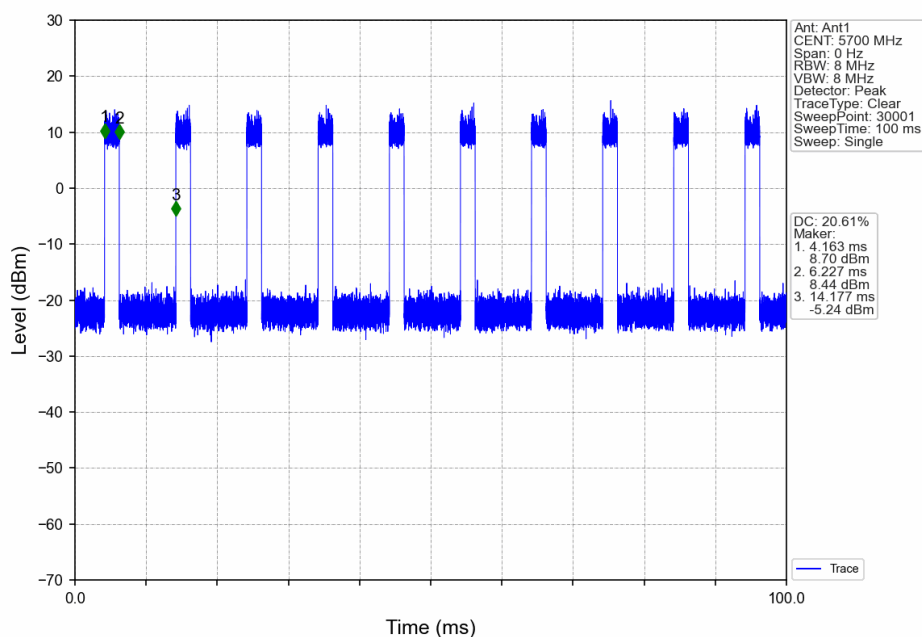
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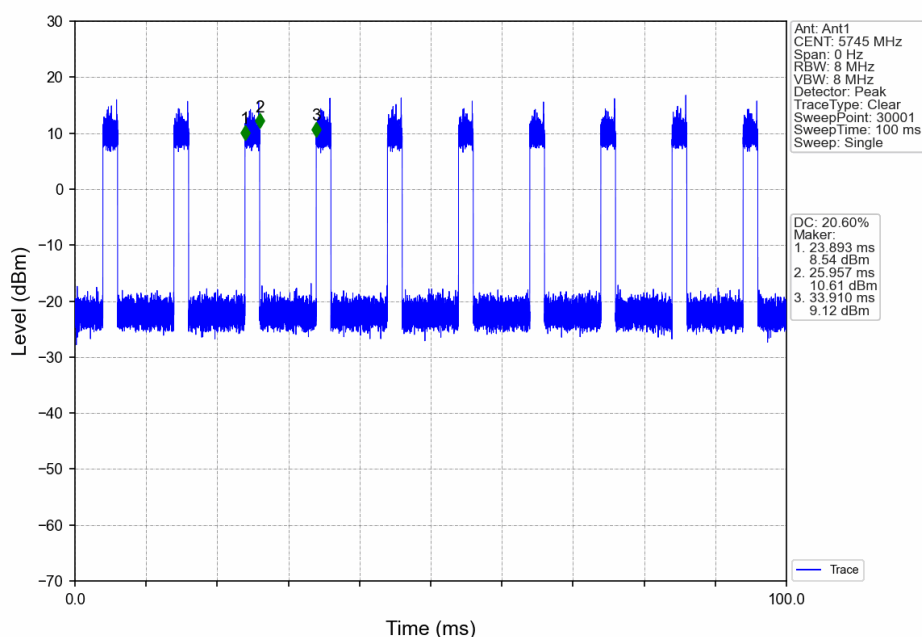
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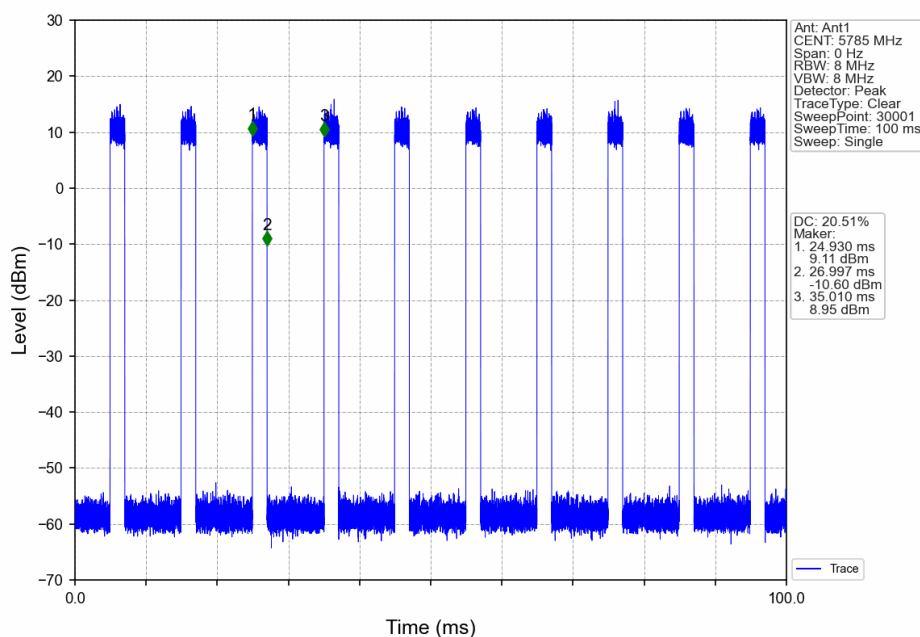
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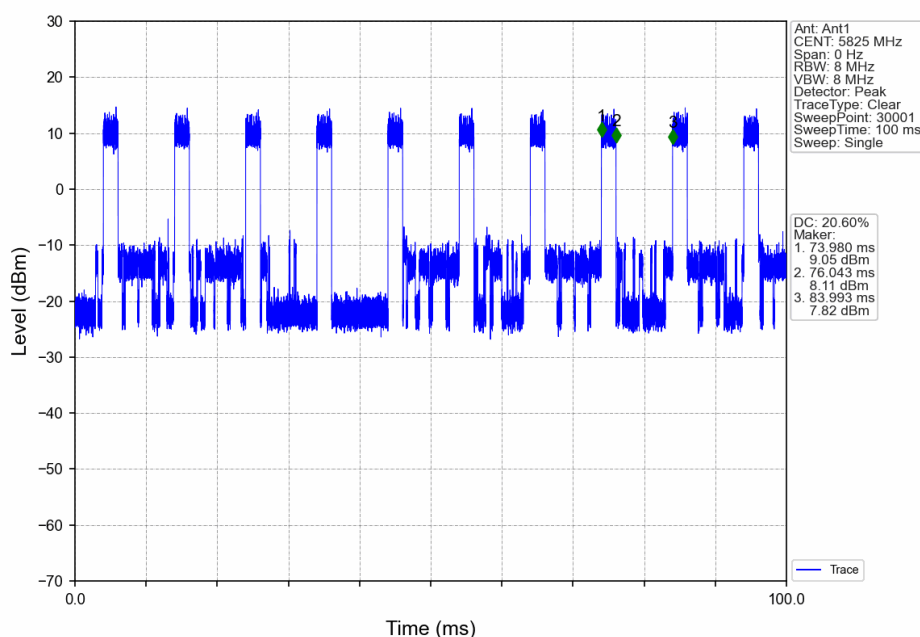
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802.11a_HCH_5825MHz_Ant1_NTNV



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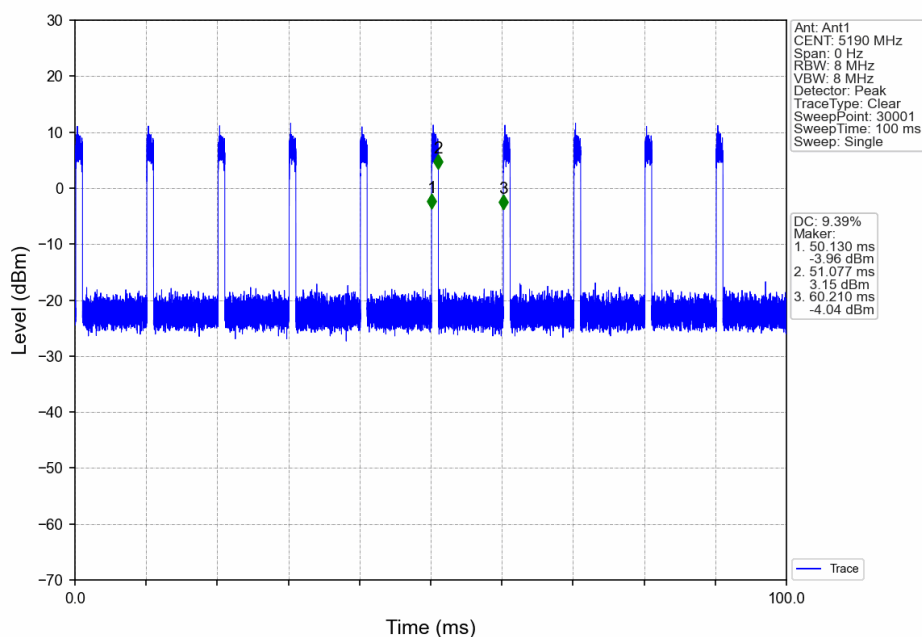
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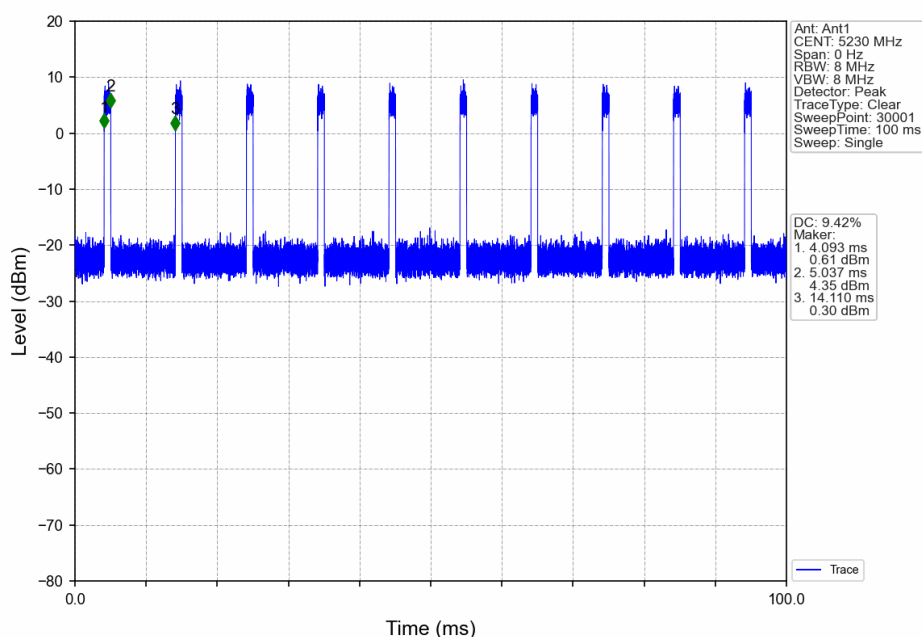
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802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



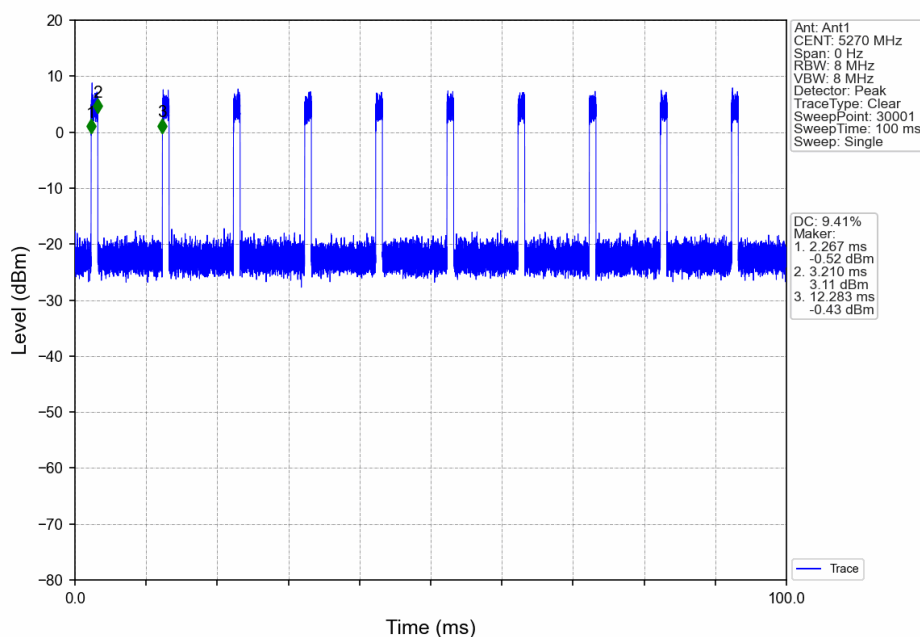
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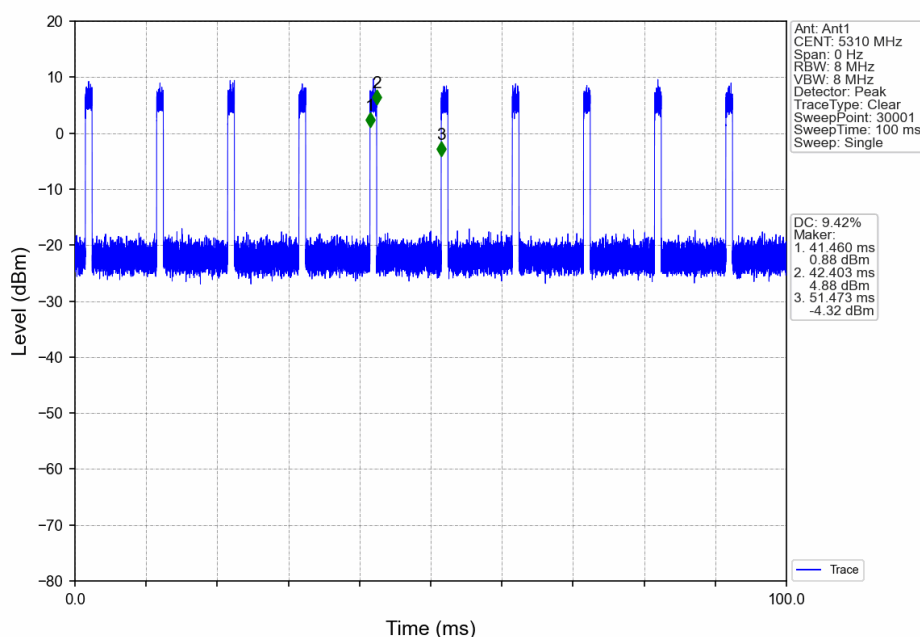
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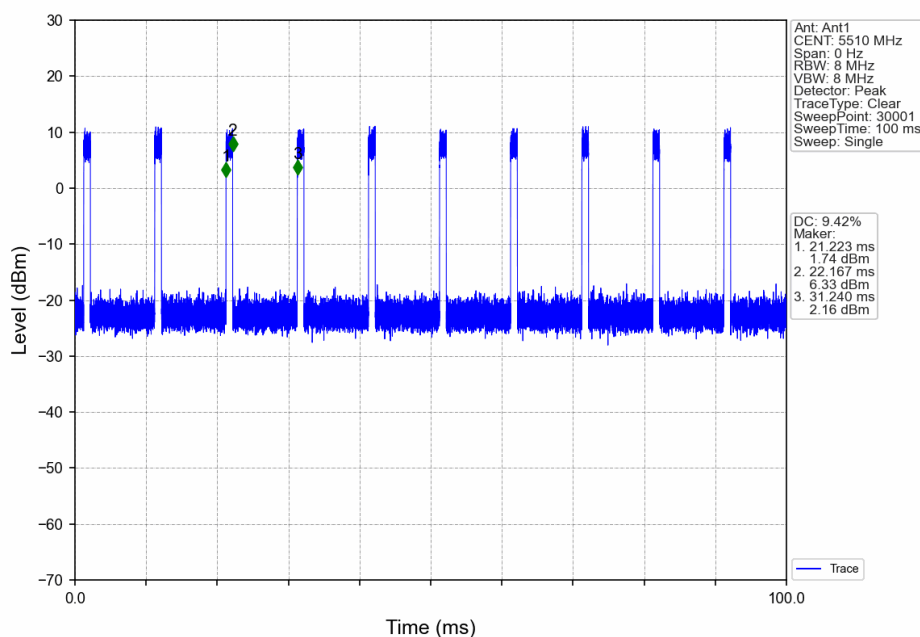
802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



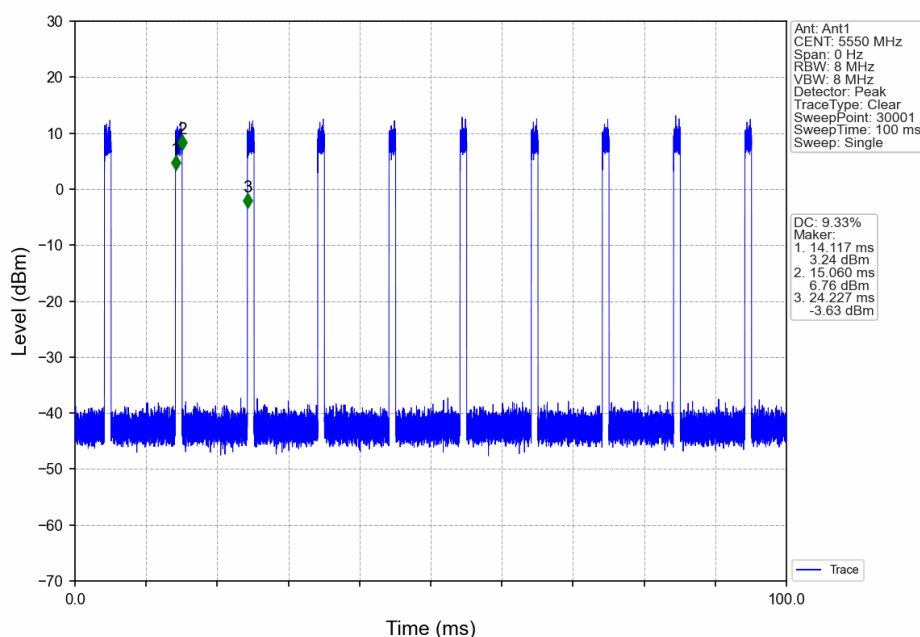
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802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



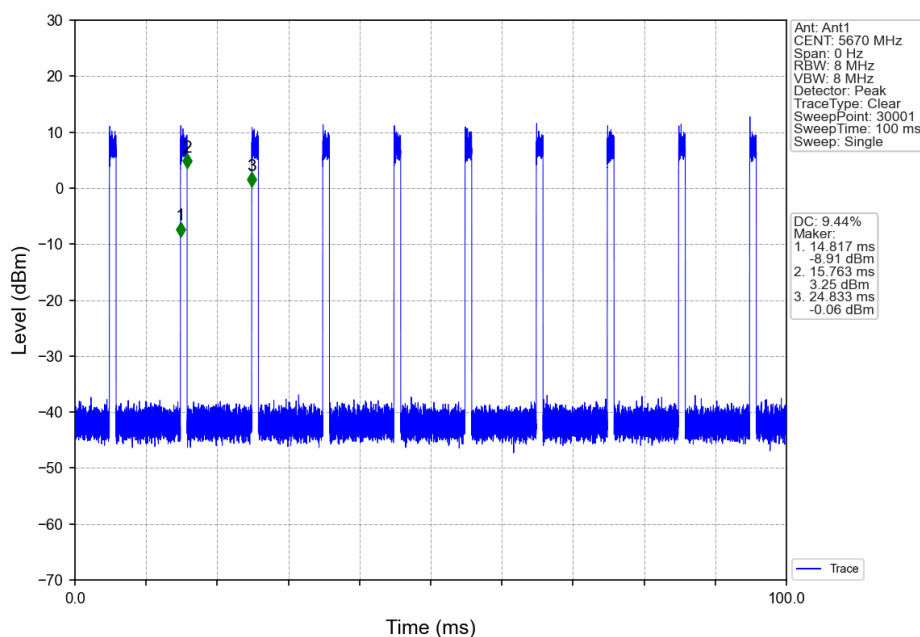
802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



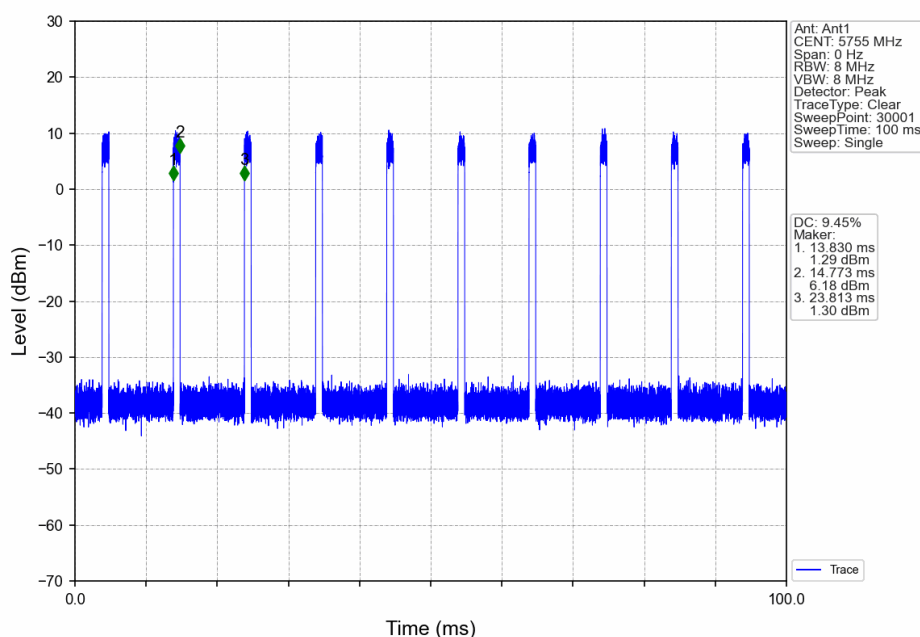
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802.11n(HT40)_HCH_5670MHz_Ant1_NTNV



802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



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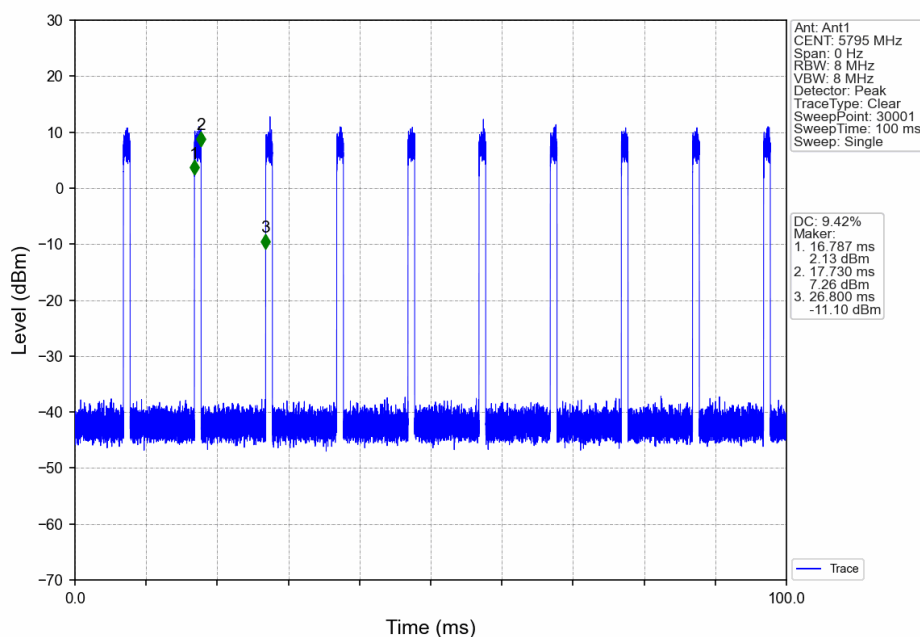
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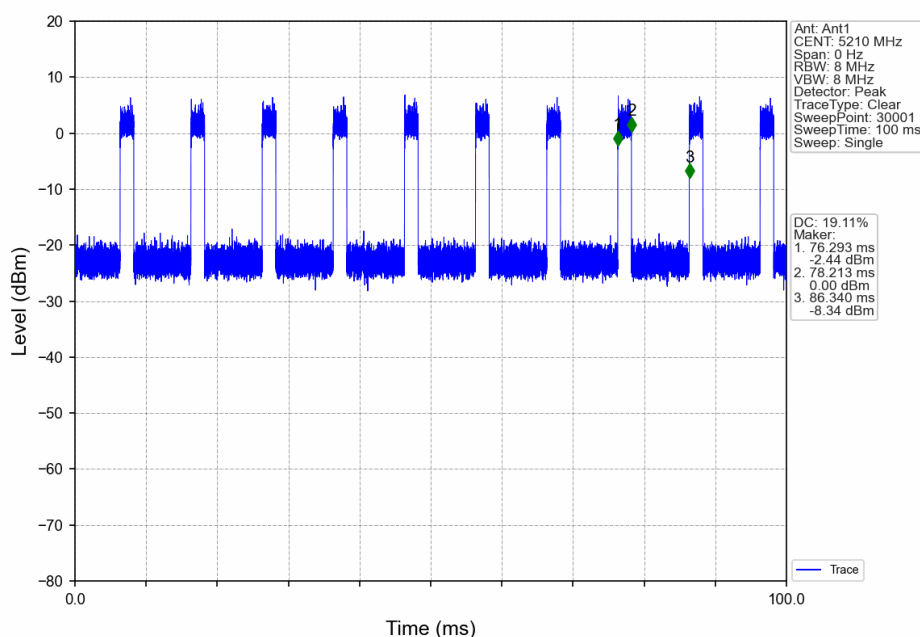
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802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



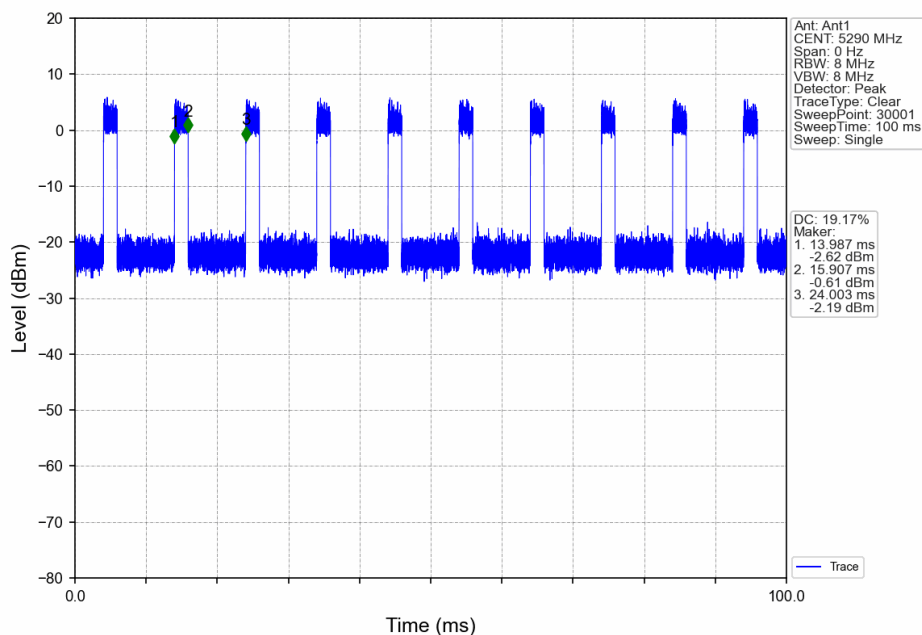
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



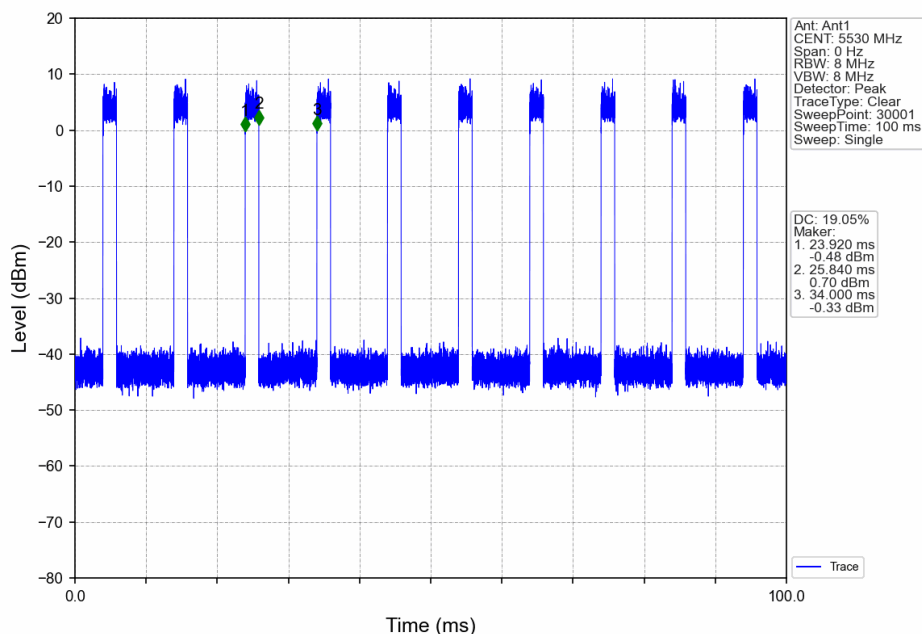
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802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



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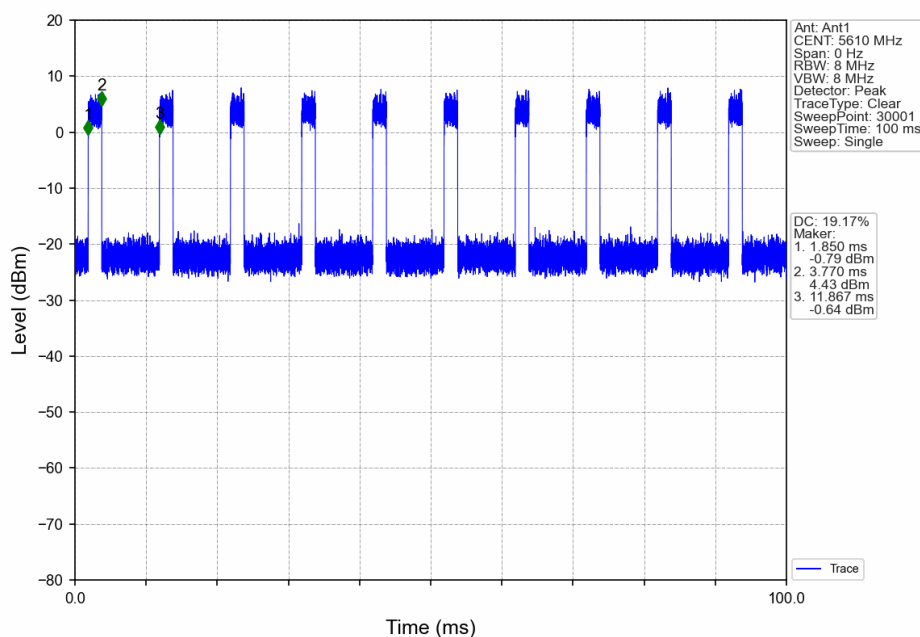
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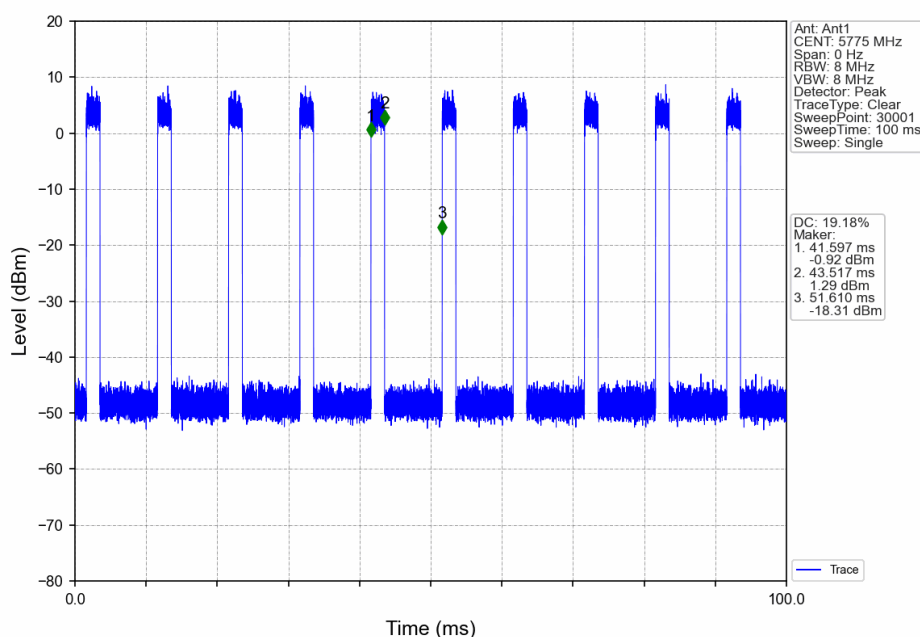
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802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



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2. Bandwidth

2.1 OBW

2.1.1 Test Result

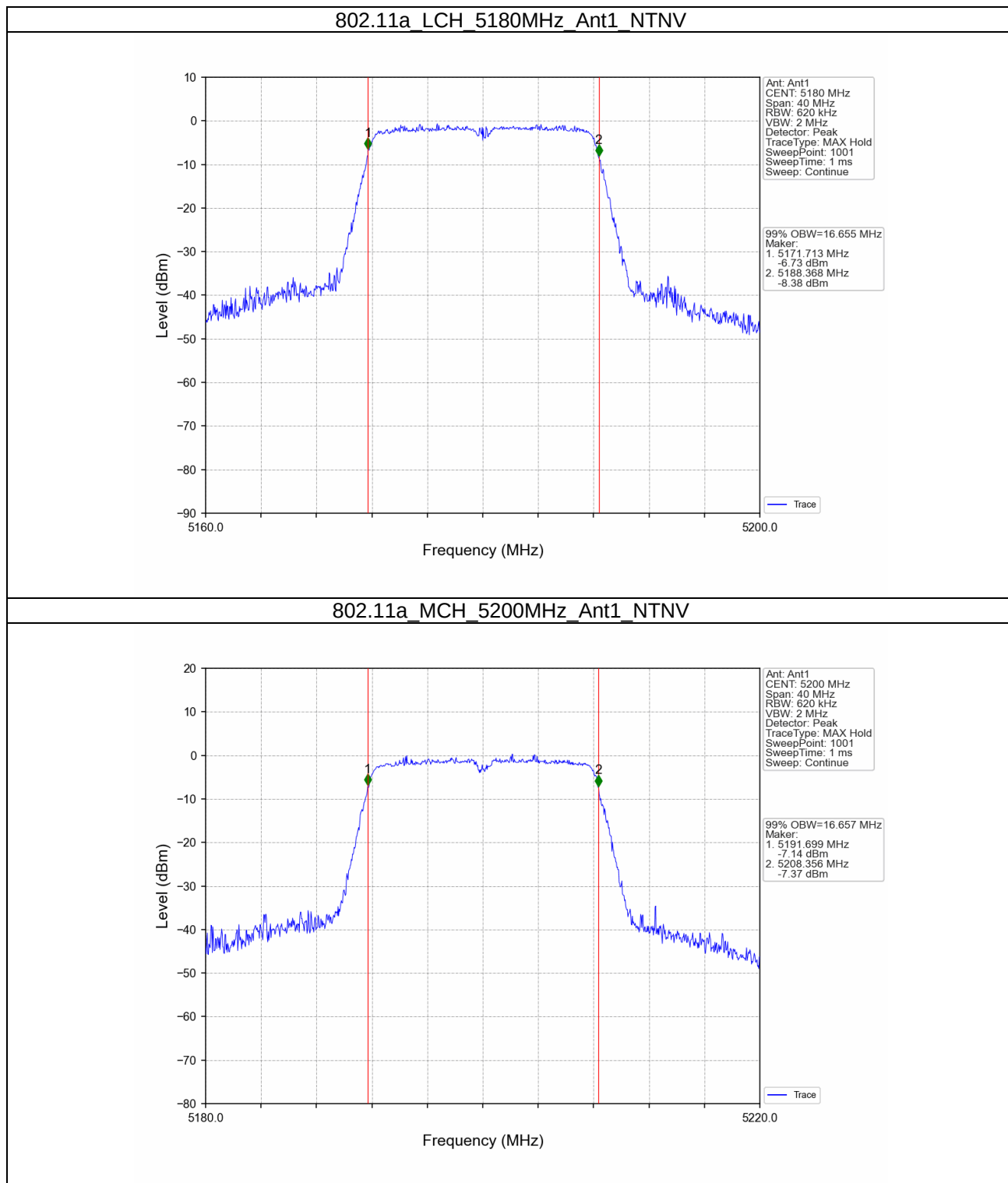
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5180	1	16.655	Pass
		5200	1	16.657	Pass
		5240	1	16.638	Pass
		5260	1	16.676	Pass
		5300	1	16.647	Pass
		5320	1	16.715	Pass
		5500	1	16.680	Pass
		5580	1	16.723	Pass
		5700	1	16.674	Pass
		5745	1	16.650	Pass
		5785	1	16.657	Pass
		5825	1	16.681	Pass
802.11n (HT40)	SISO	5190	1	36.375	Pass
		5230	1	36.395	Pass
		5270	1	35.190	Pass
		5310	1	36.041	Pass
		5510	1	36.502	Pass
		5550	1	36.366	Pass
		5670	1	36.523	Pass
		5755	1	36.376	Pass
802.11ac (VHT80)	SISO	5795	1	36.463	Pass
		5210	1	75.080	Pass
		5290	1	74.946	Pass
		5530	1	75.169	Pass
		5610	1	75.219	Pass
		5775	1	75.176	Pass



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2.1.2 Test Graph



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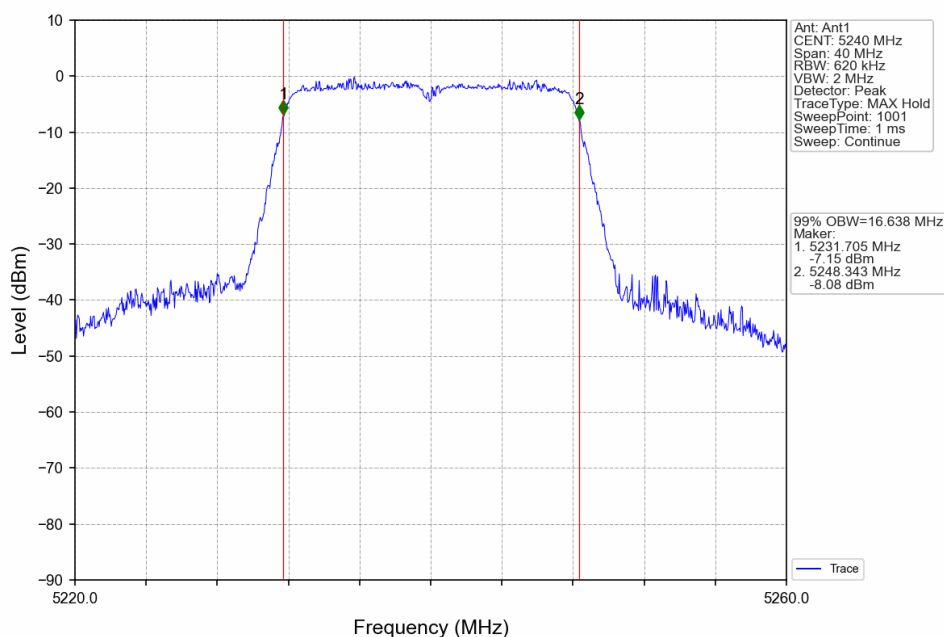
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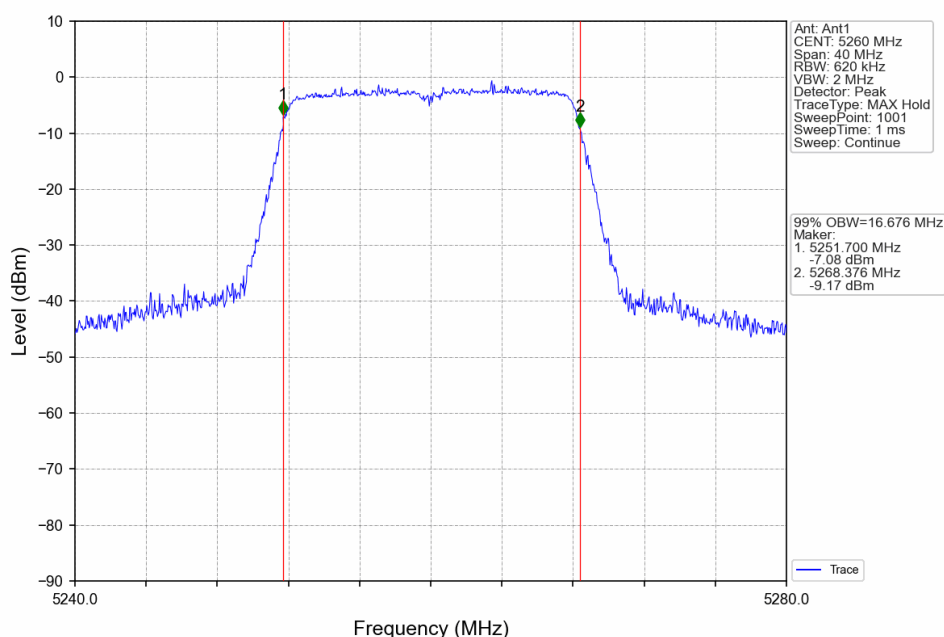
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802.11a_HCH_5240MHz_Ant1_NTNV



802.11a_LCH_5260MHz_Ant1_NTNV



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