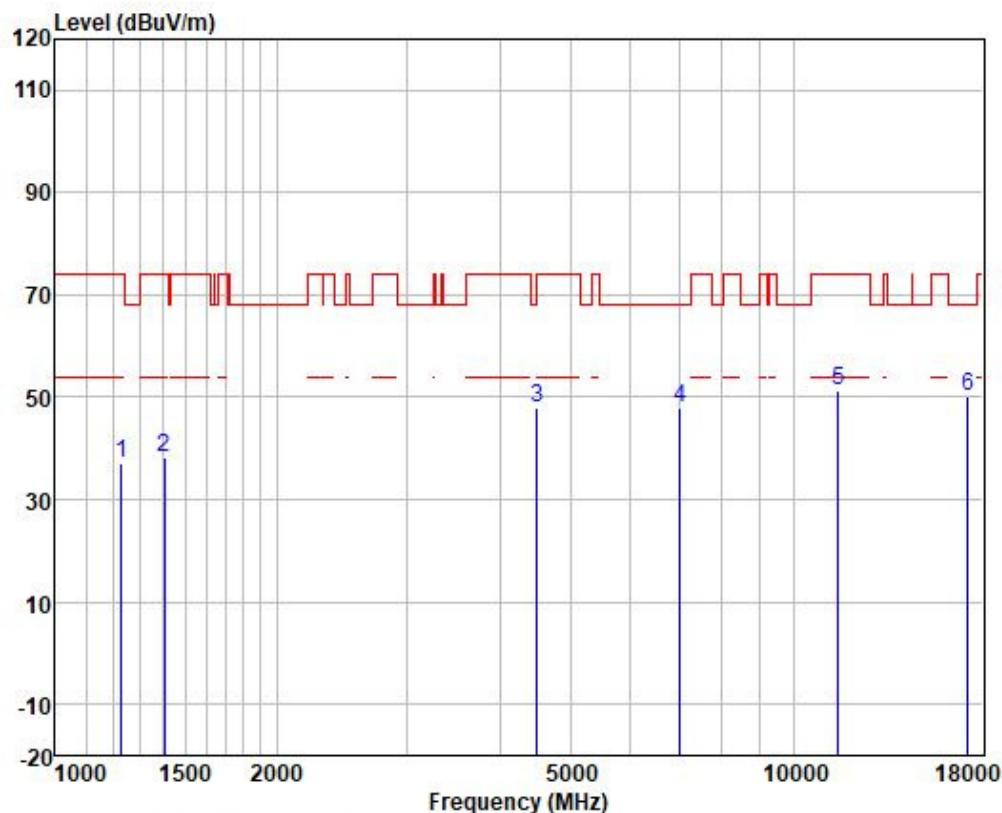


Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



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

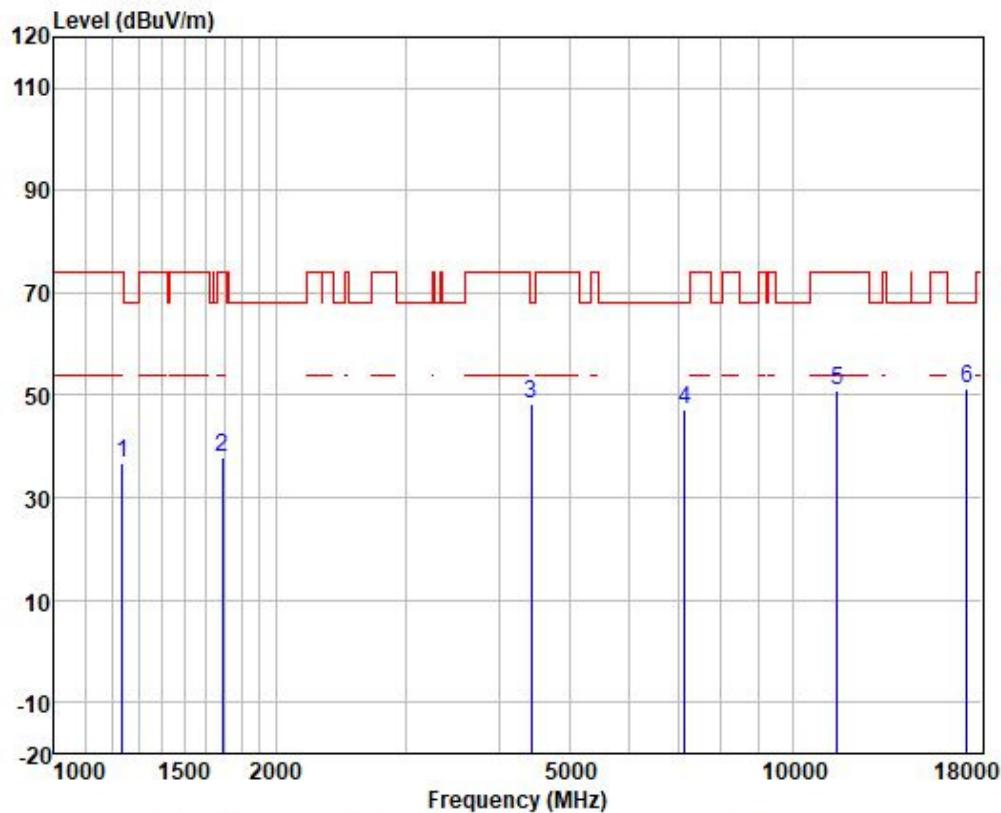
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Freq MHz	ReadAntenna	Cable	Preamp	Limit Line	Over Limit	Over Limit Pol/Phase	Remark
	Freq MHz	Level Factor	Loss Factor				
1	1238.483	48.12	23.59	2.58	37.64	36.65	74.00 -37.35 HORIZONTAL peak
2	1692.231	47.14	25.09	3.17	37.40	38.00	74.00 -36.00 HORIZONTAL peak
3	4430.628	45.43	33.87	5.79	36.63	48.46	68.20 -19.74 HORIZONTAL peak
4	7158.806	41.25	35.49	7.53	36.93	47.34	68.20 -20.86 HORIZONTAL peak
5	11490.000	38.40	40.25	8.78	36.63	50.80	74.00 -23.20 HORIZONTAL peak
6	17235.000	33.43	42.50	11.28	36.07	51.14	68.20 -17.06 HORIZONTAL peak

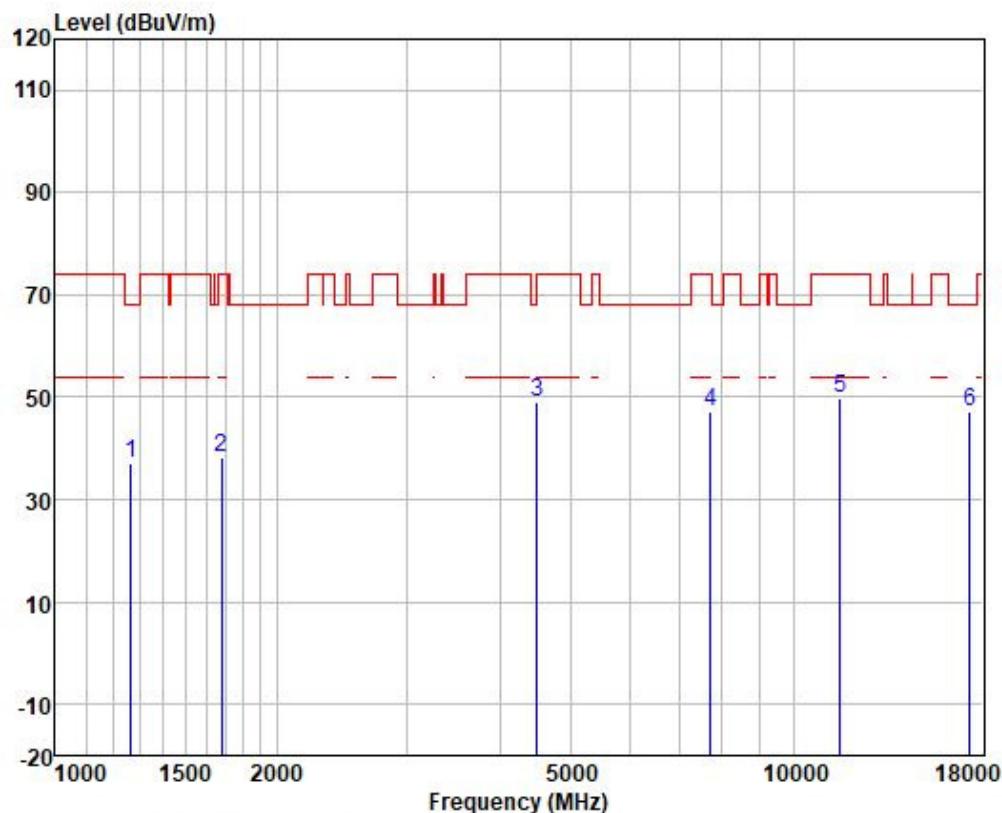
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Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



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

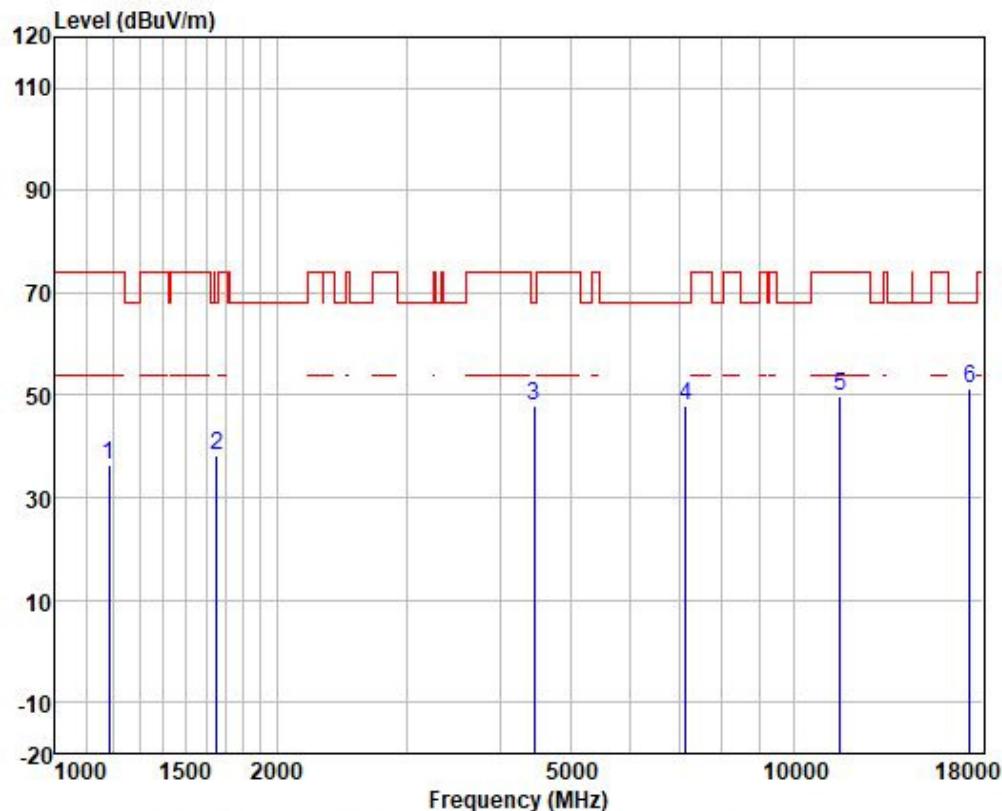
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



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

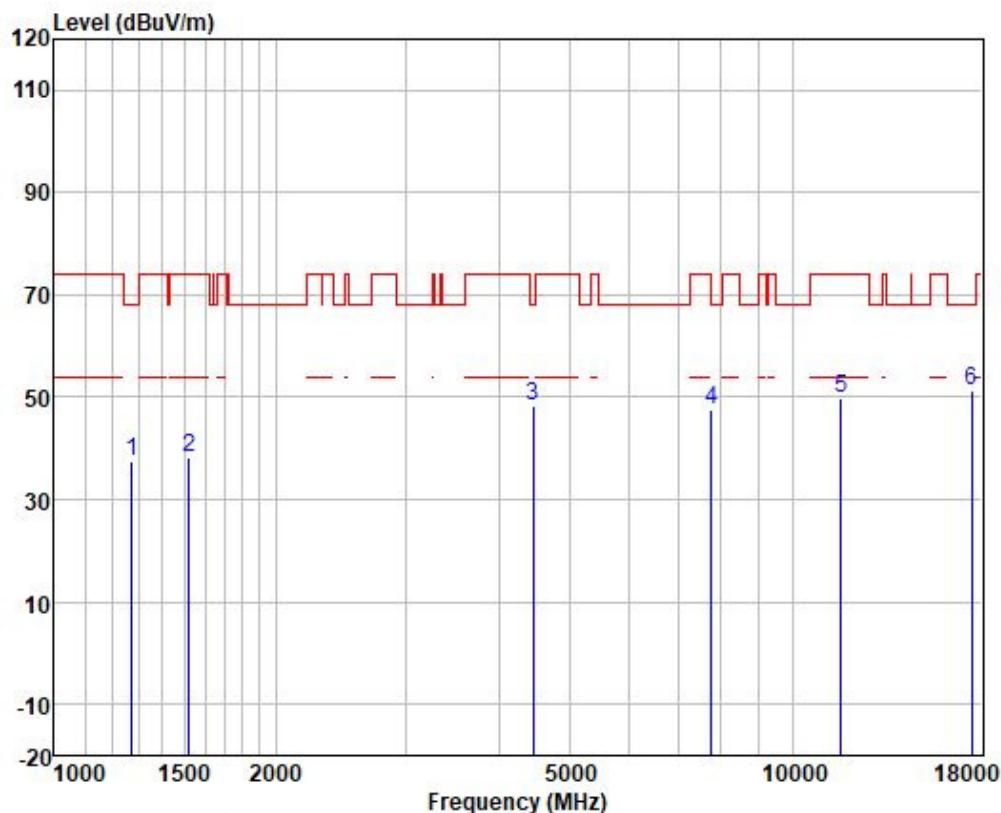
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Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



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

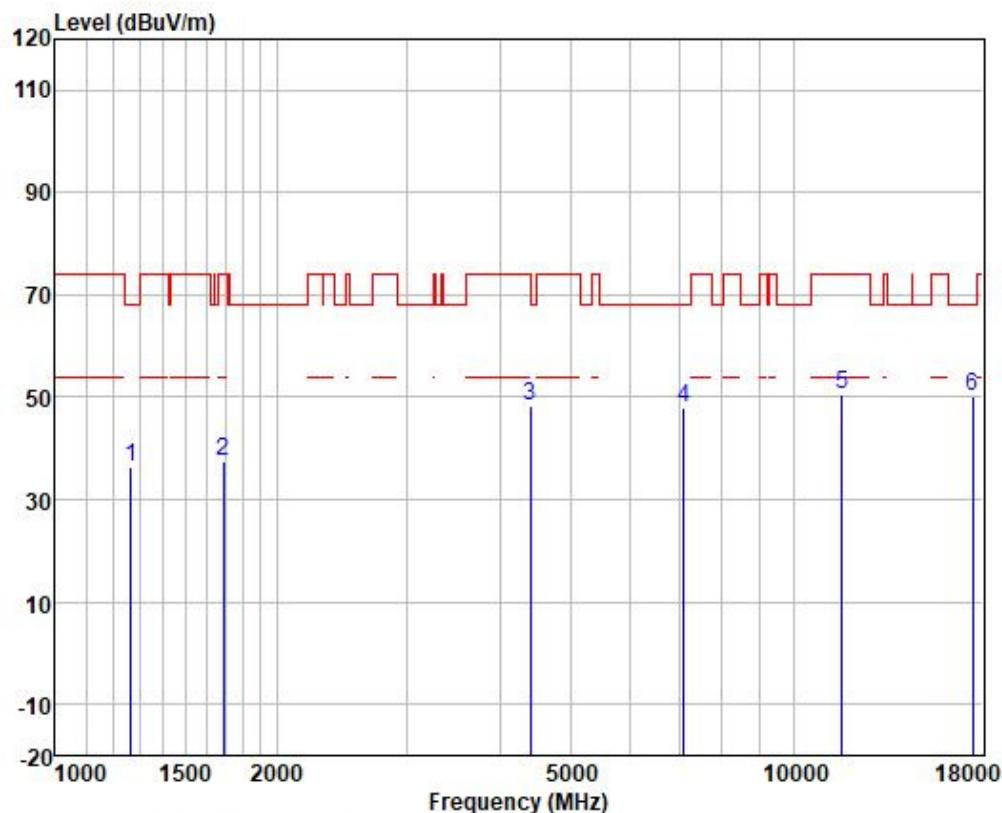
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Freq MHz	ReadAntenna	Cable	Preamp	Limit Line	Over Limit	Over Limit Pol/Phase	Remark
	Level dBuV	Level dB/m	Loss dB	Factor	dB	dBuV/m	
1 1267.454	47.57	23.81	2.60	37.63	36.35	68.20	-31.85 HORIZONTAL peak
2 1692.231	46.64	25.09	3.17	37.40	37.50	74.00	-36.50 HORIZONTAL peak
3 4405.090	45.52	33.74	5.78	36.62	48.42	68.20	-19.78 HORIZONTAL peak
4 7117.542	42.08	35.38	7.52	36.92	48.06	68.20	-20.14 HORIZONTAL peak
5 11650.000	38.40	39.91	8.85	36.62	50.54	74.00	-23.46 HORIZONTAL peak
6 17475.000	31.22	43.43	11.35	35.96	50.04	68.20	-18.16 HORIZONTAL peak

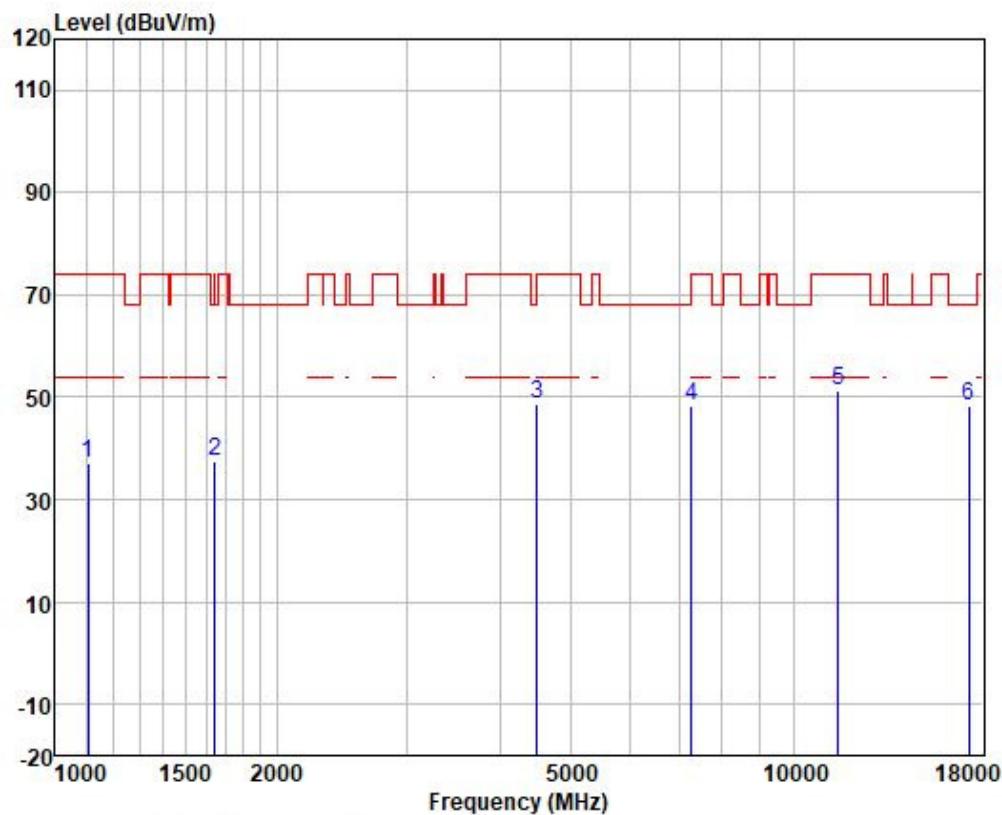
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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



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

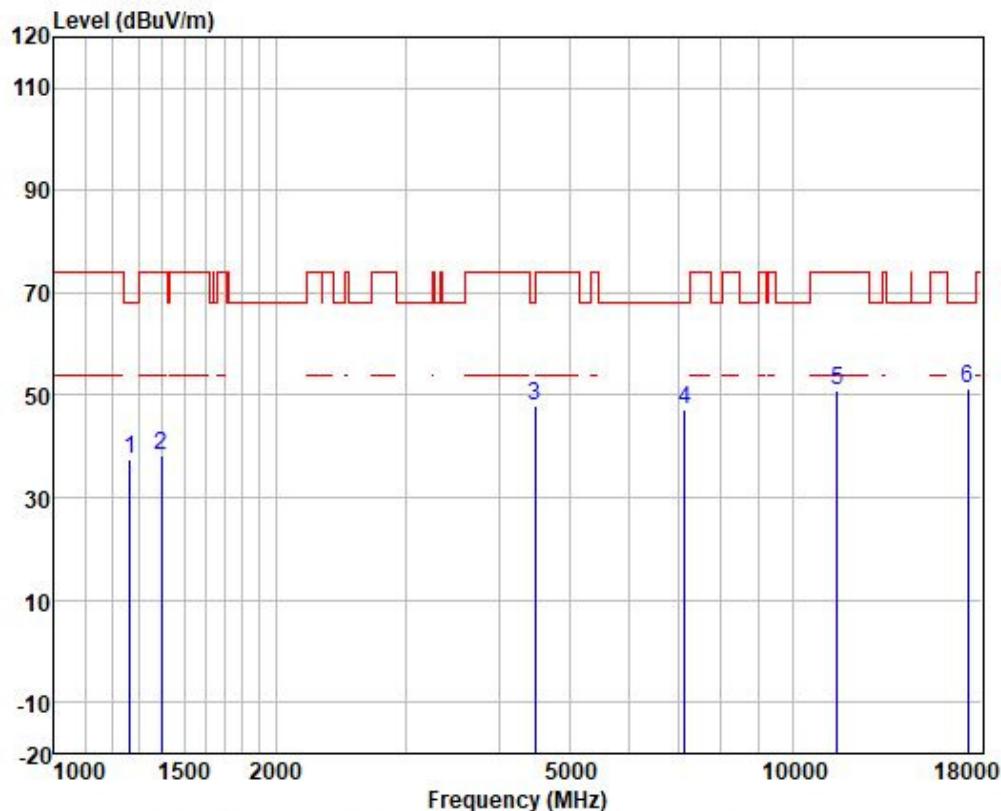
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Freq MHz	ReadAntenna	Cable	Preamp	Limit Line dBuV/m	Over Limit dB	Over Limit Pol/Phase	Remark
	Level dBuV	Level dB/m	Loss dB				
1 1267.454	48.53	23.81	2.60	37.63	37.31	68.20	-30.89 HORIZONTAL peak
2 1398.336	48.71	24.26	2.80	37.56	38.21	74.00	-35.79 HORIZONTAL peak
3 4482.150	44.70	34.12	5.80	36.63	47.99	68.20	-20.21 HORIZONTAL peak
4 7158.806	41.16	35.49	7.53	36.93	47.25	68.20	-20.95 HORIZONTAL peak
5 11510.000	38.51	40.25	8.78	36.63	50.91	74.00	-23.09 HORIZONTAL peak
6 17265.000	33.23	42.72	11.29	36.05	51.19	68.20	-17.01 HORIZONTAL peak

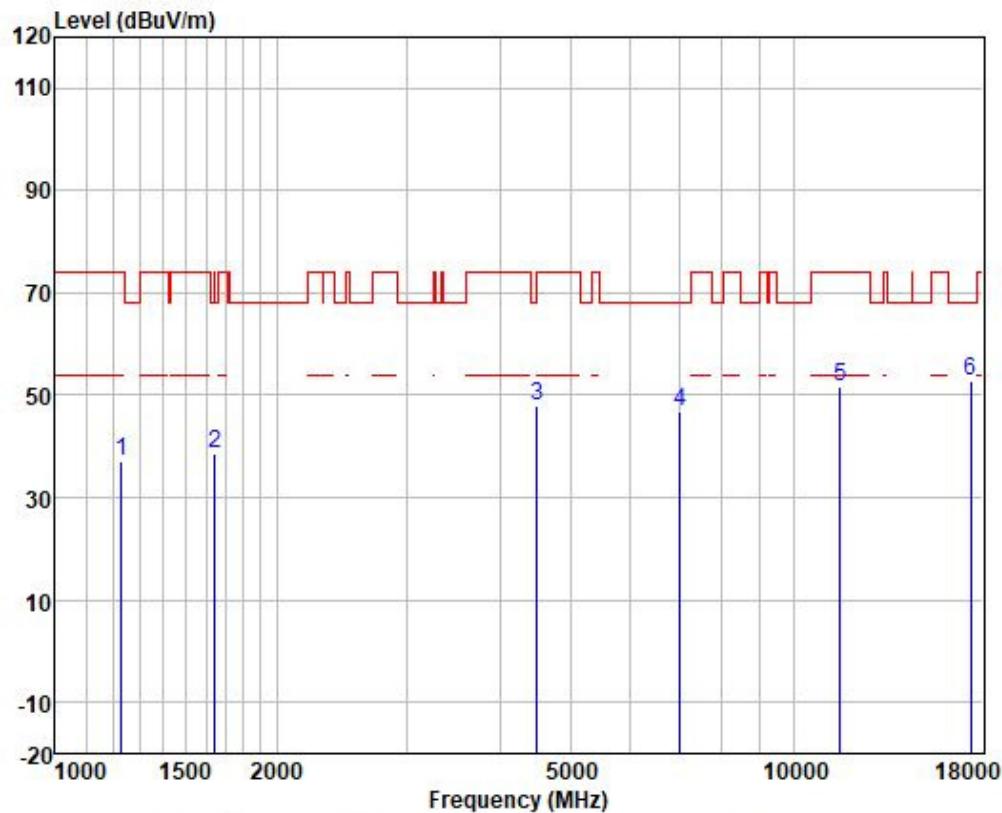
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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



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

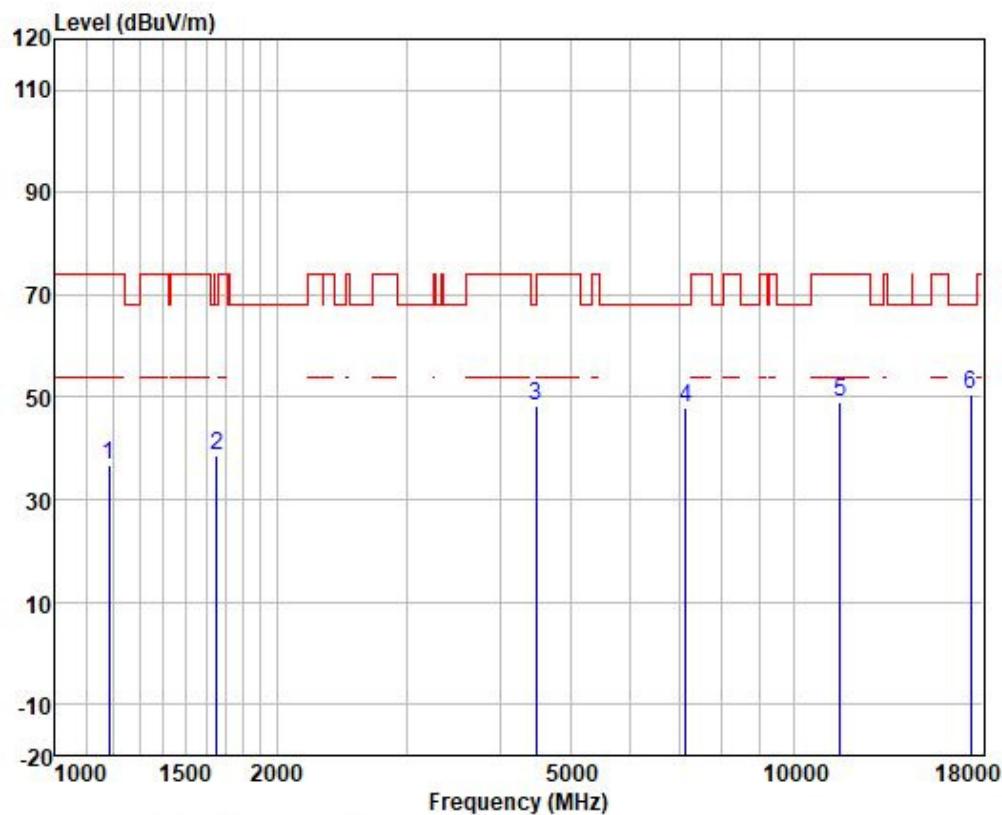


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Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



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

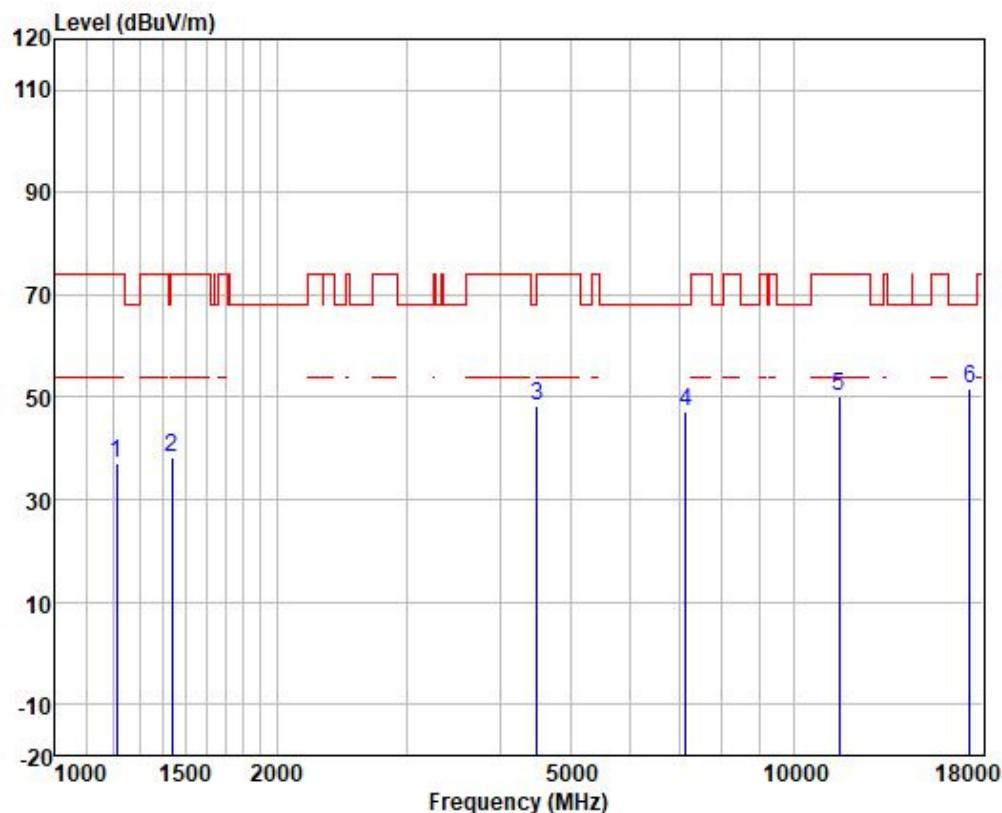
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz



Freq MHz	ReadAntenna	Cable	Preamp	Limit Line	Over Limit	Over Limit Pol/Phase	Remark
	Level dBuV	Level dB/m	Loss dB				
1 1210.174	48.84	23.26	2.55	37.64	37.01	74.00	-36.99 VERTICAL peak
2 1439.343	48.39	24.34	2.93	37.55	38.11	74.00	-35.89 VERTICAL peak
3 4495.125	45.03	34.17	5.81	36.63	48.38	68.20	-19.82 VERTICAL peak
4 7158.806	41.24	35.49	7.53	36.93	47.33	68.20	-20.87 VERTICAL peak
5 11550.000	37.83	40.17	8.80	36.63	50.17	74.00	-23.83 VERTICAL peak
6 17325.000	33.31	42.92	11.30	36.03	51.50	68.20	-16.70 VERTICAL peak

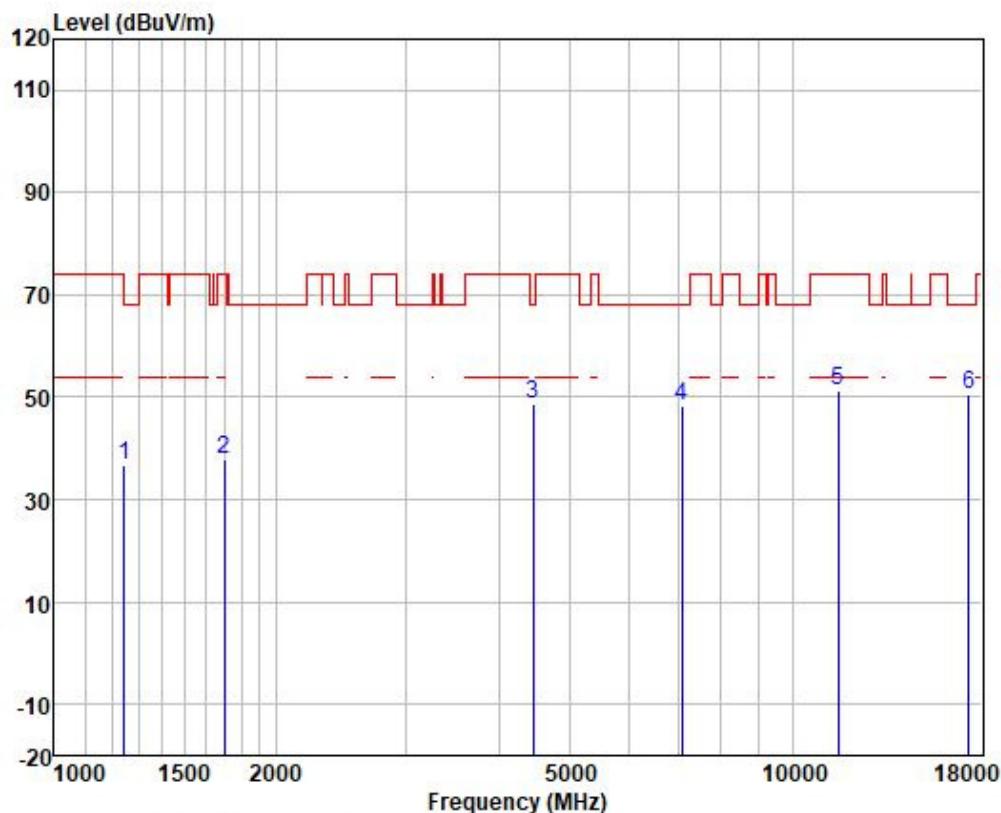


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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz



Freq MHz	ReadAntenna	Cable	Preamp	Limit Line	Over Limit	Over Limit Pol/Phase	Remark
	Freq MHz	Level Factor	Loss Factor				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	1245.663	48.19	23.65	2.58	37.63	36.79	68.20 -31.41 HORIZONTAL peak
2	1702.042	46.79	25.15	3.18	37.39	37.73	74.00 -36.27 HORIZONTAL peak
3	4456.315	45.42	34.00	5.80	36.63	48.59	68.20 -19.61 HORIZONTAL peak
4	7076.516	42.32	35.28	7.52	36.91	48.21	68.20 -19.99 HORIZONTAL peak
5	11550.000	38.84	40.17	8.80	36.63	51.18	74.00 -22.82 HORIZONTAL peak
6	17325.000	32.31	42.92	11.30	36.03	50.50	68.20 -17.70 HORIZONTAL peak

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7.5 Radiated Emissions which fall in the restricted bands

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

Test Method: KDB 789033 D02 II G

Test Distance: 3m

Limit:

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

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

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

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

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

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

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

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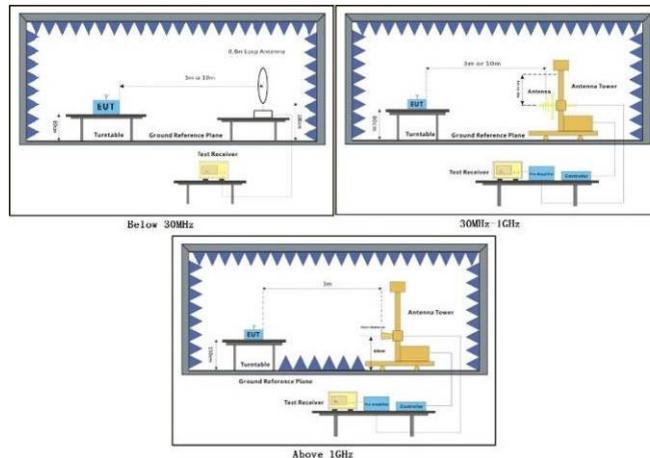
7.5.1 E.U.T. Operation

Operating Environment:

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

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	01	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.

7.5.3 Test Setup Diagram

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7.5.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

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

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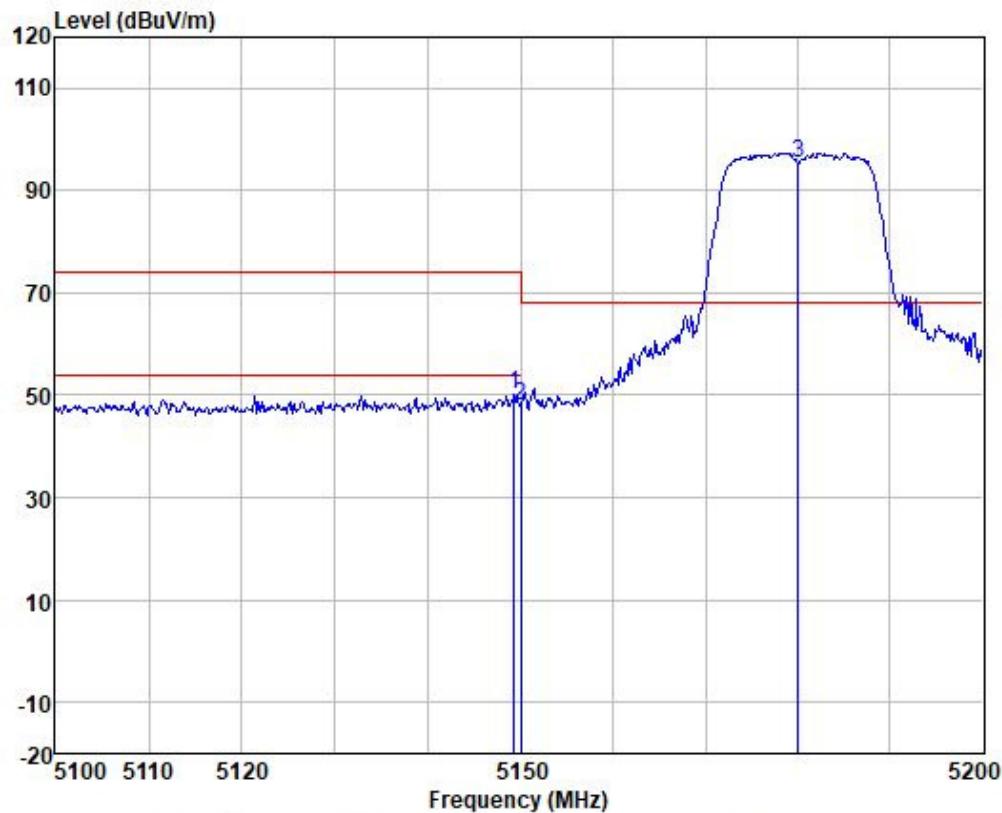
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Test Mode: 00; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



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

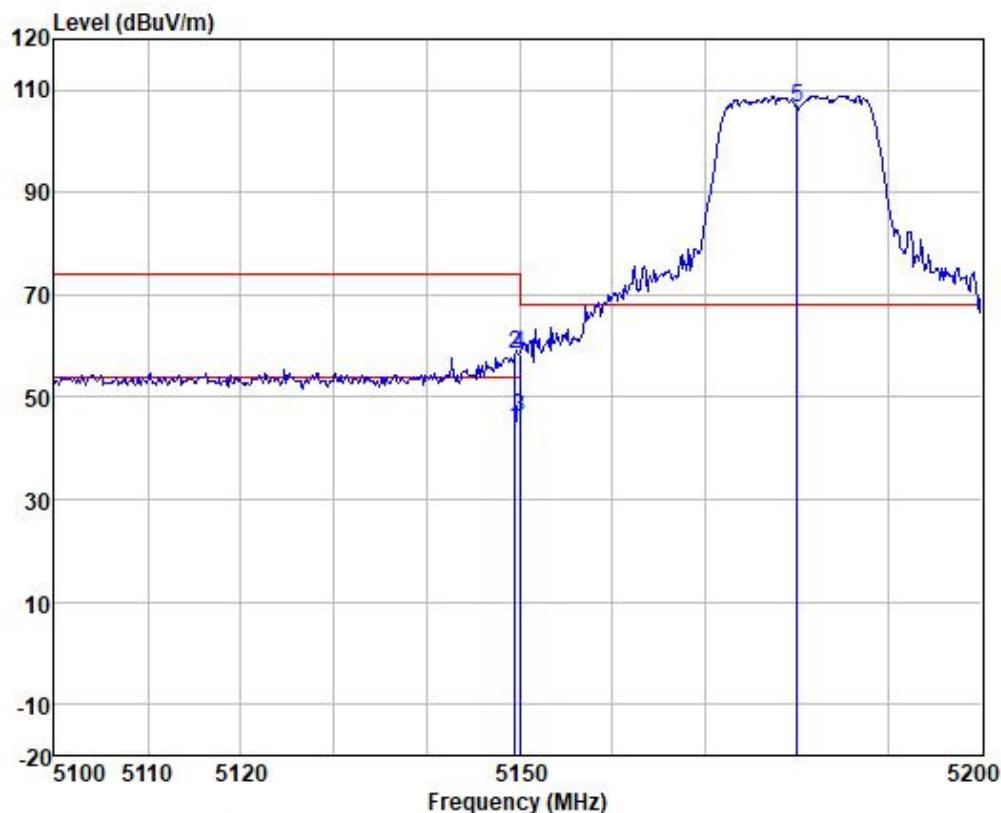
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



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

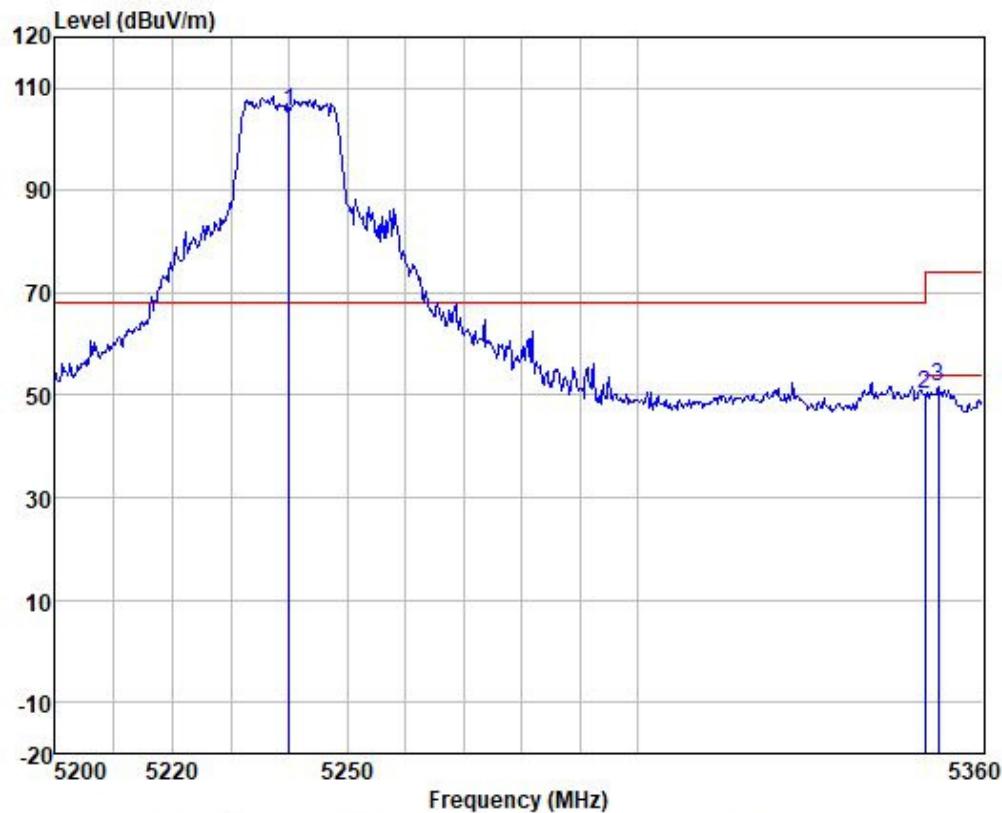
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Test Mode: 00; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



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

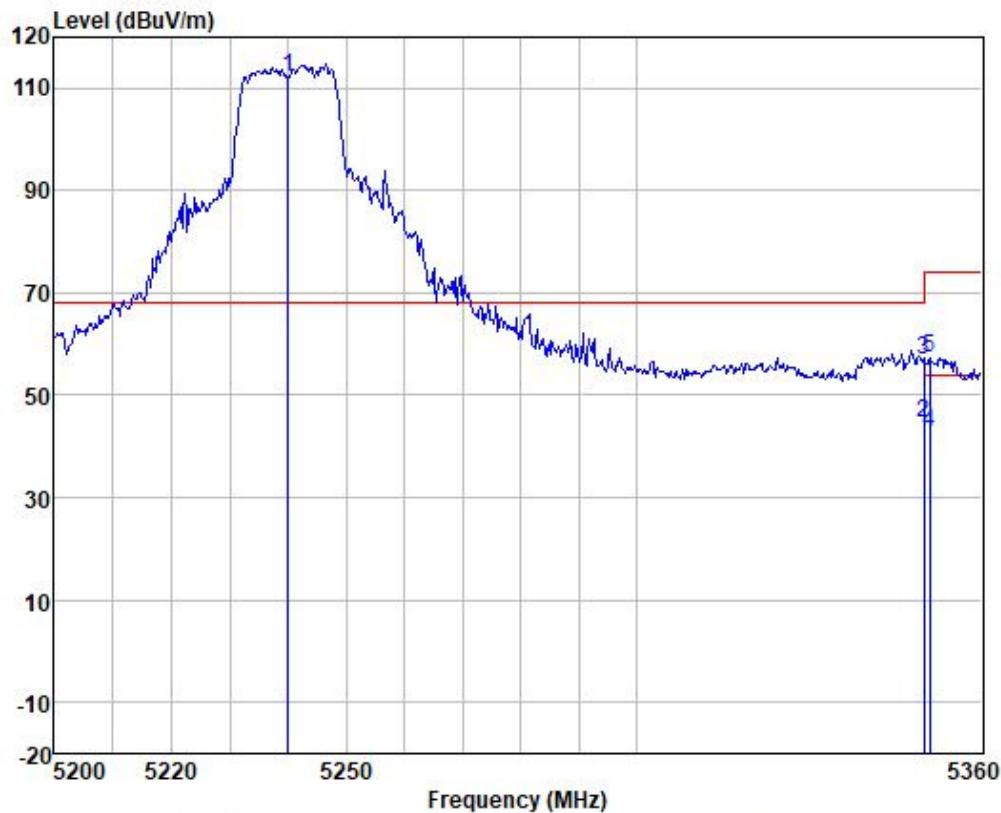
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



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

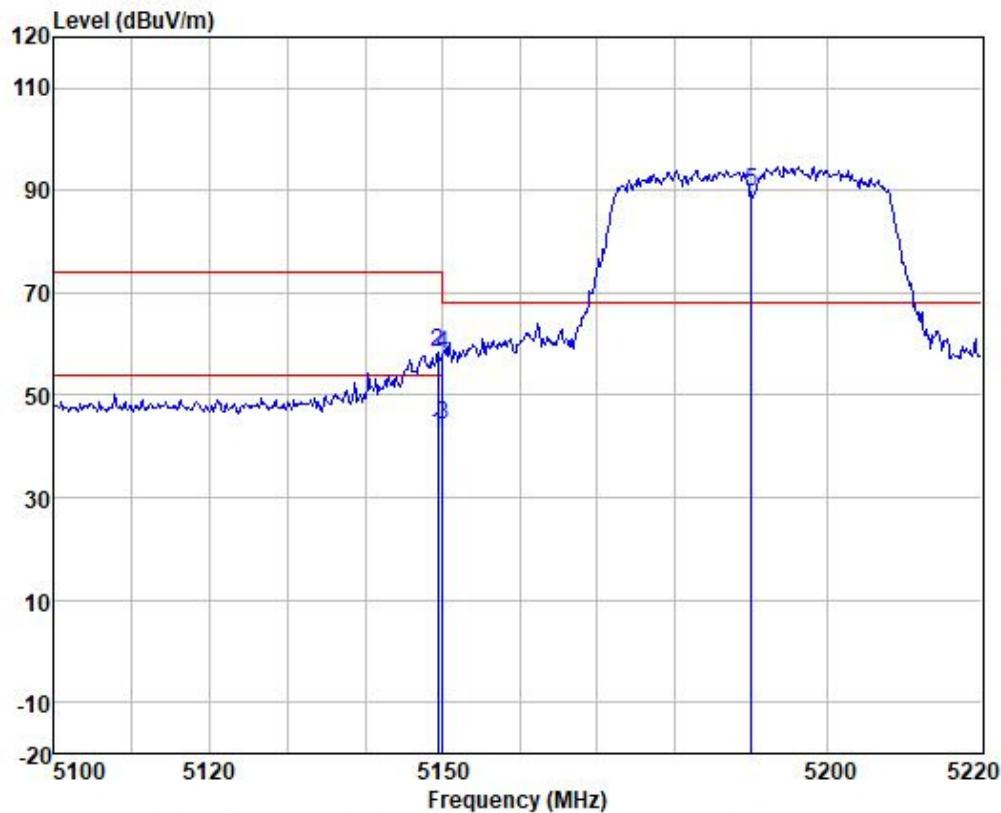
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Guangzhou Branch, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 sgs.china@sgs.com

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



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

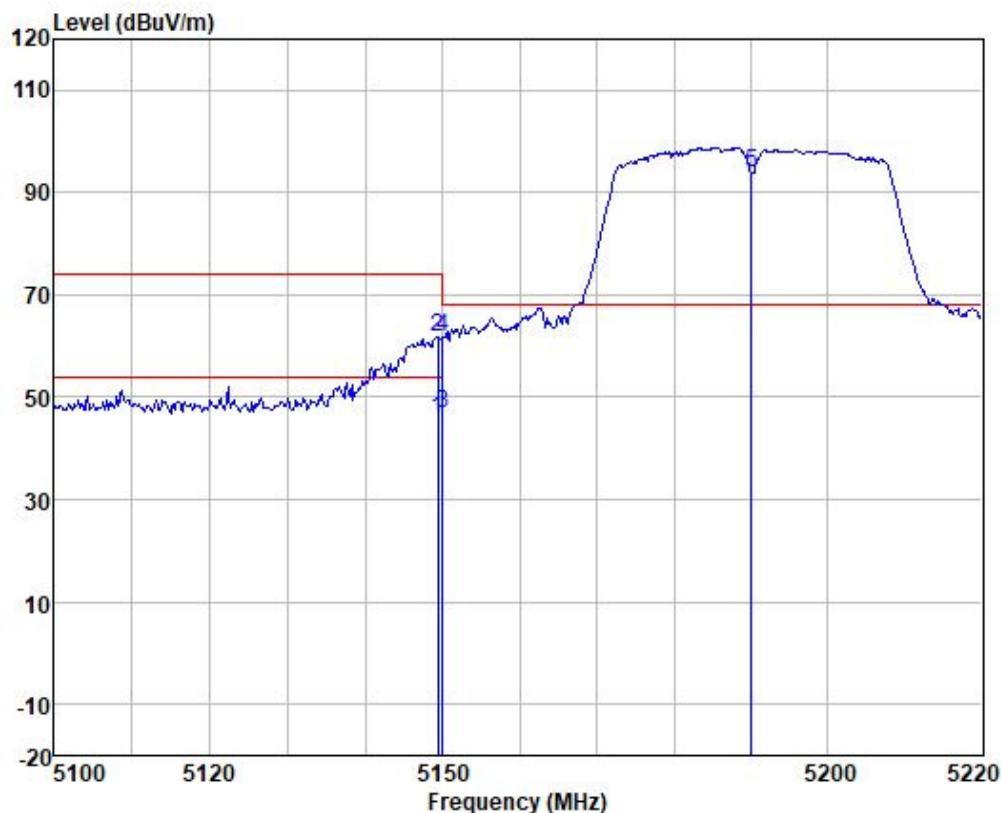
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t (86-20) 82155555 sgs.china@sgs.com

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



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

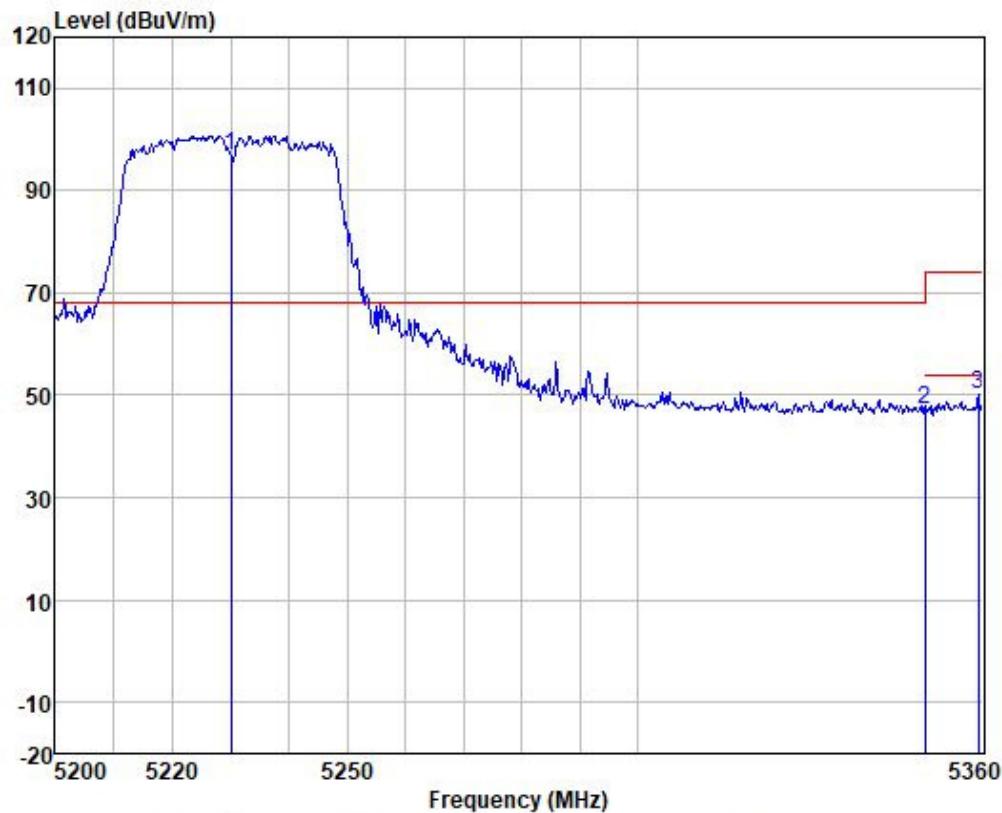
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t (86-20) 82155555 sgs.china@sgs.com

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



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

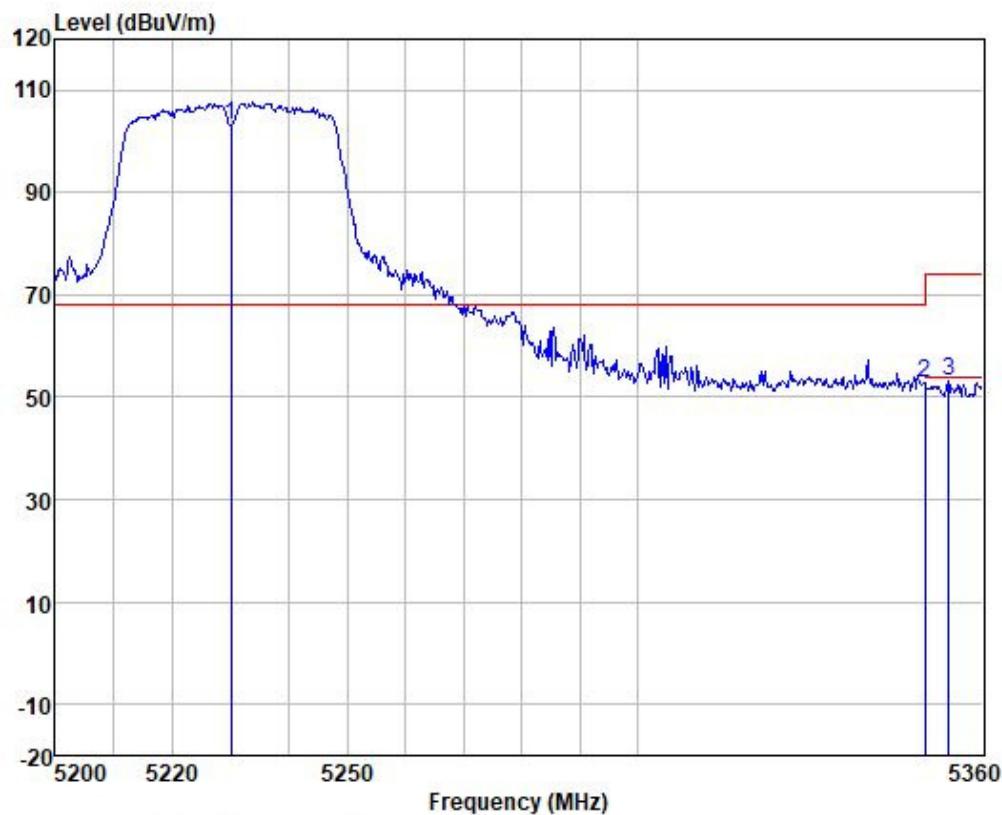


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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



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

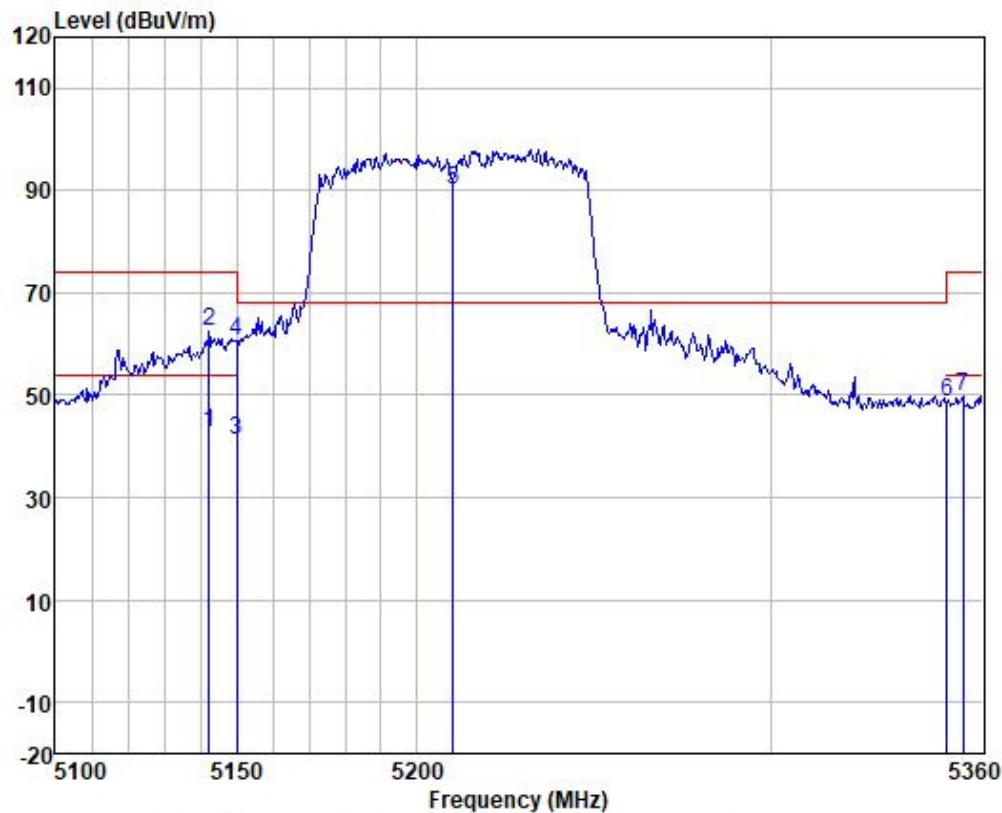


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t (86-20) 82155555 sgs.china@sgs.com

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



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

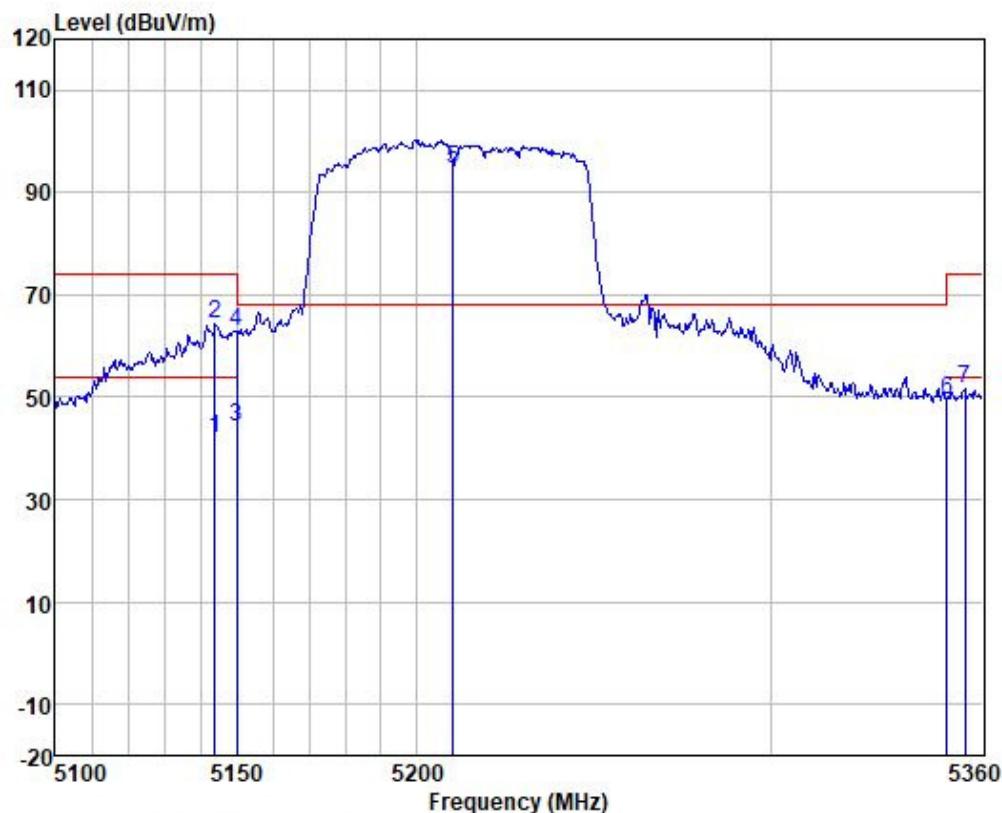
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz



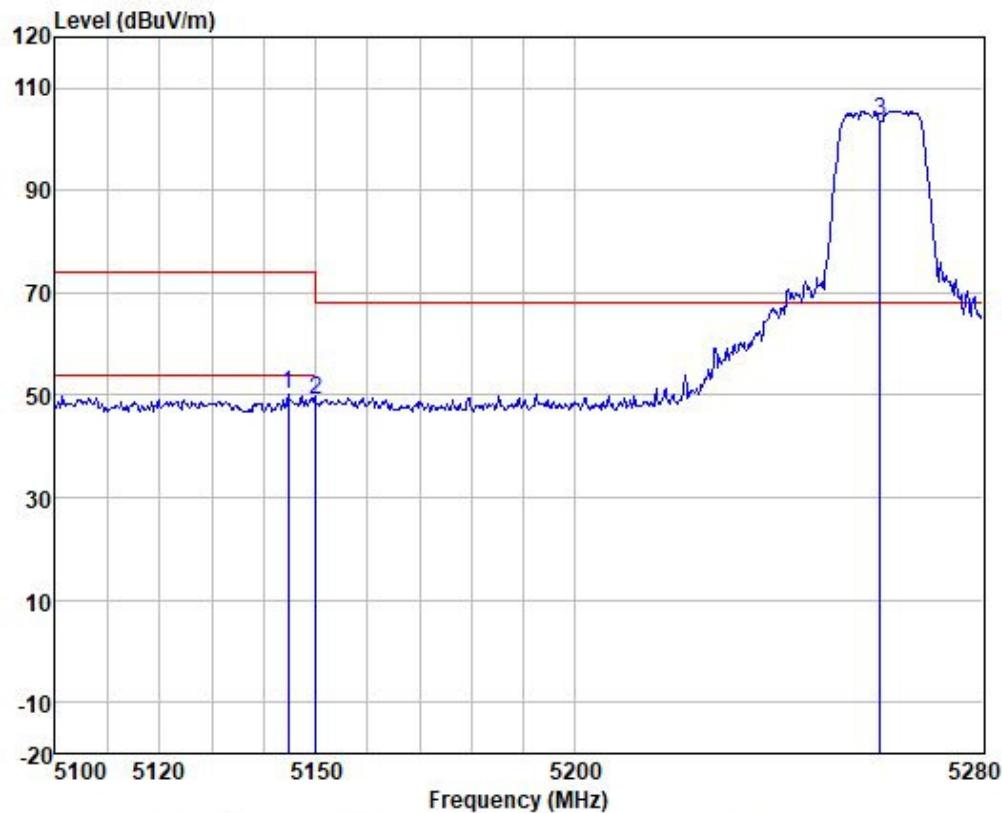
Freq	Read	Antenna	Cable	Preamp	Limit	Over	Over	Pol/Phase	Remark
	Freq	Level	Factor	Loss					
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 5143.805	38.97	33.79	5.95	36.73	41.98	54.00	-12.02	HORIZONTAL	Average
2 5143.805	61.32	33.79	5.95	36.73	64.33	74.00	-9.67	HORIZONTAL	peak
3 5150.000	41.12	33.79	5.95	36.73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

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



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

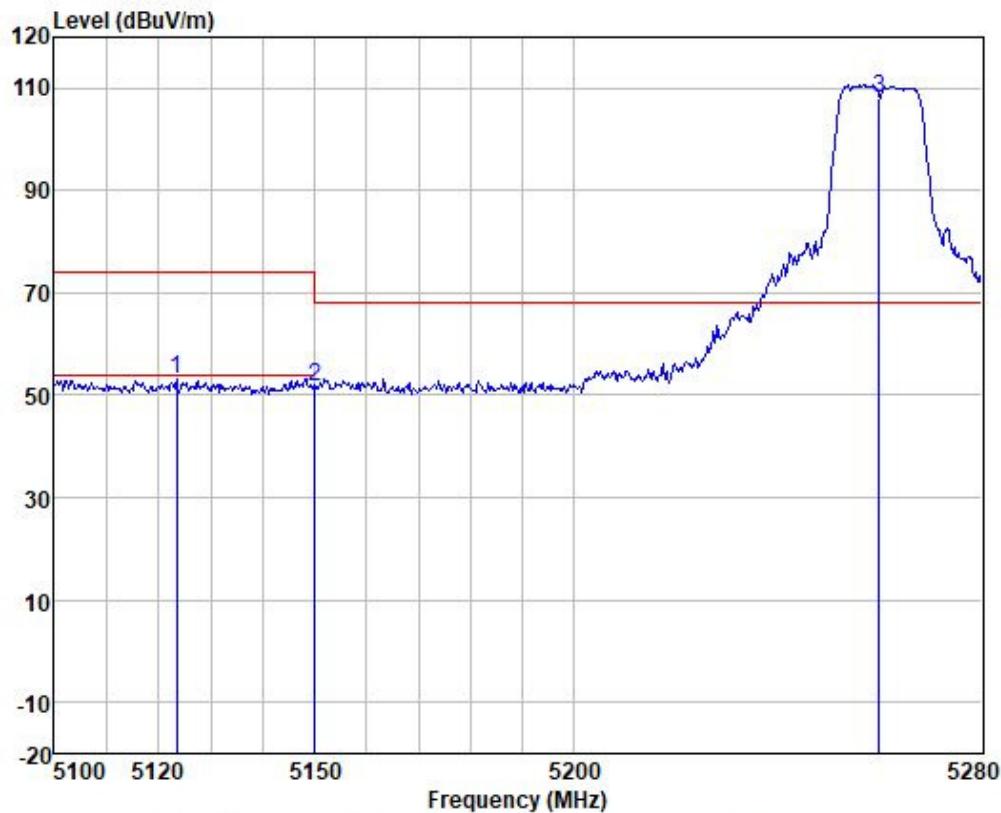


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Test Mode: 01; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



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

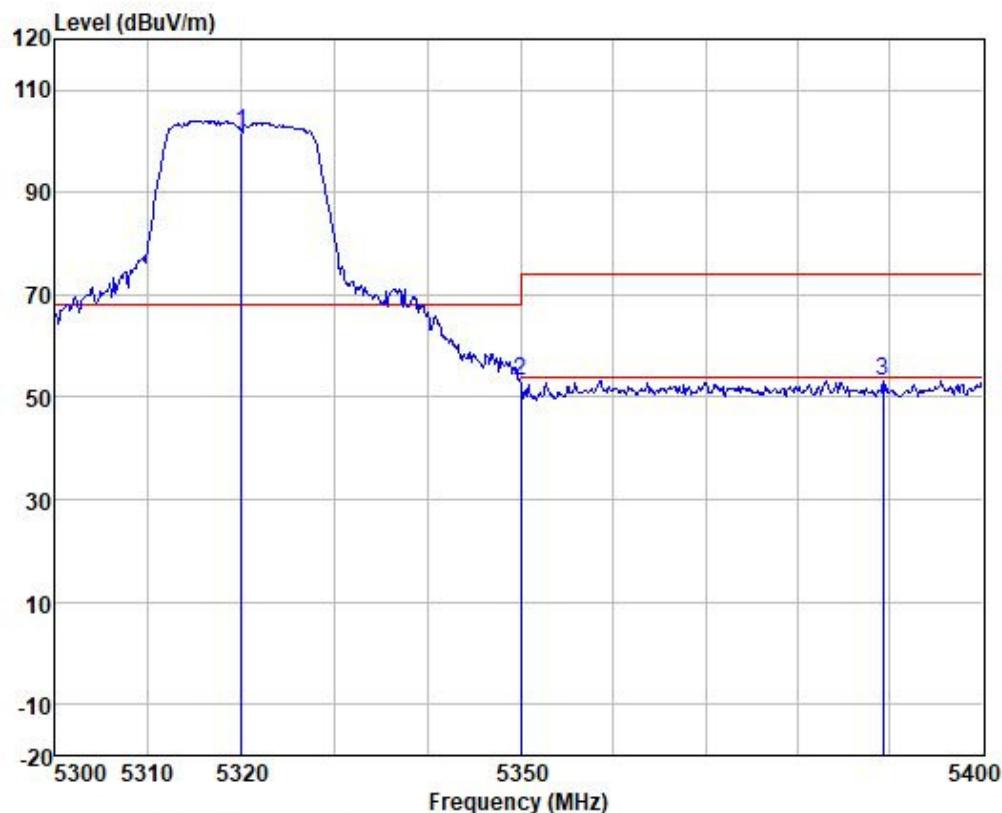


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Test Mode: 01; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



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

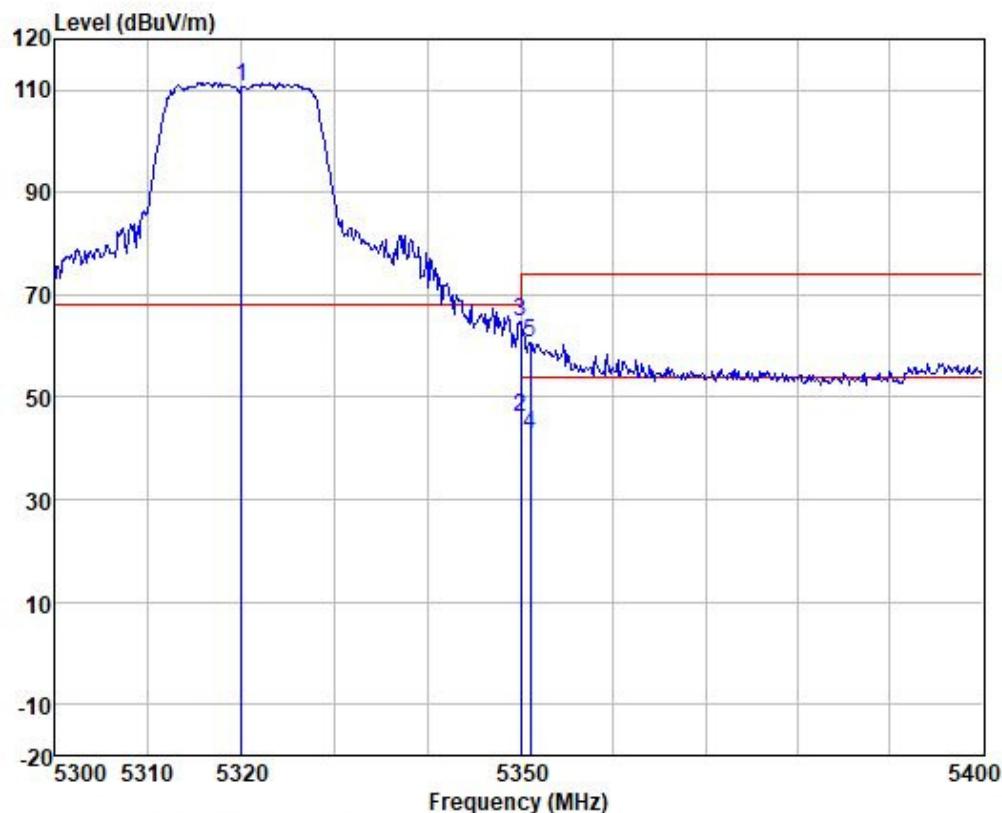
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



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

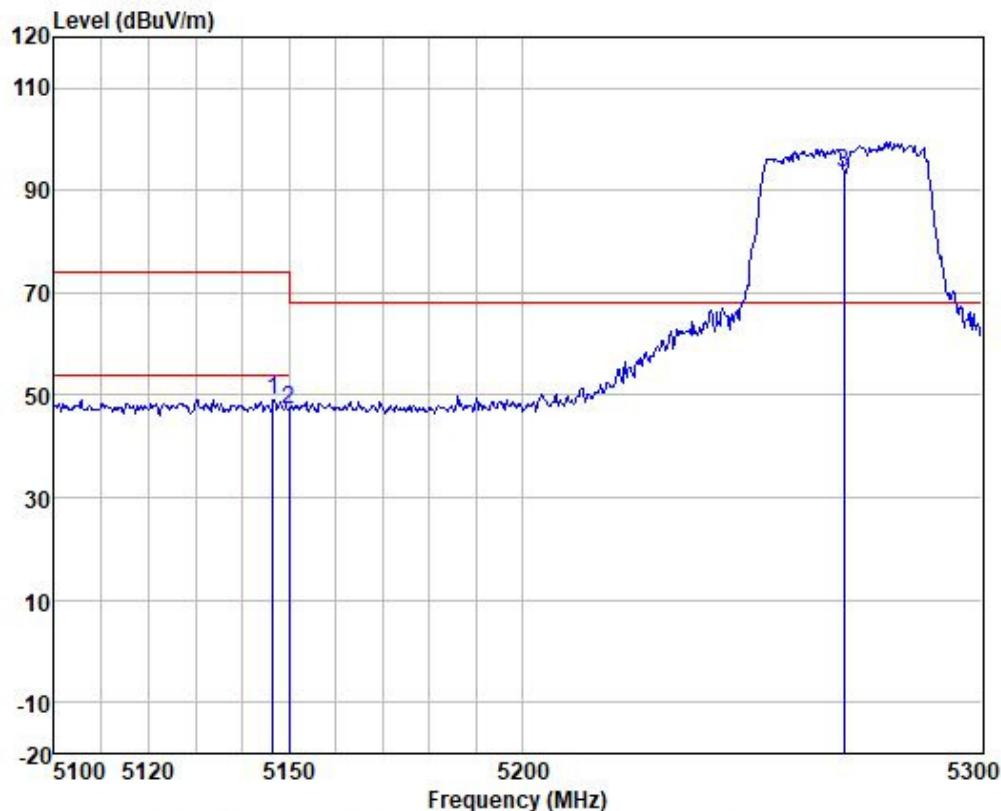


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Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



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

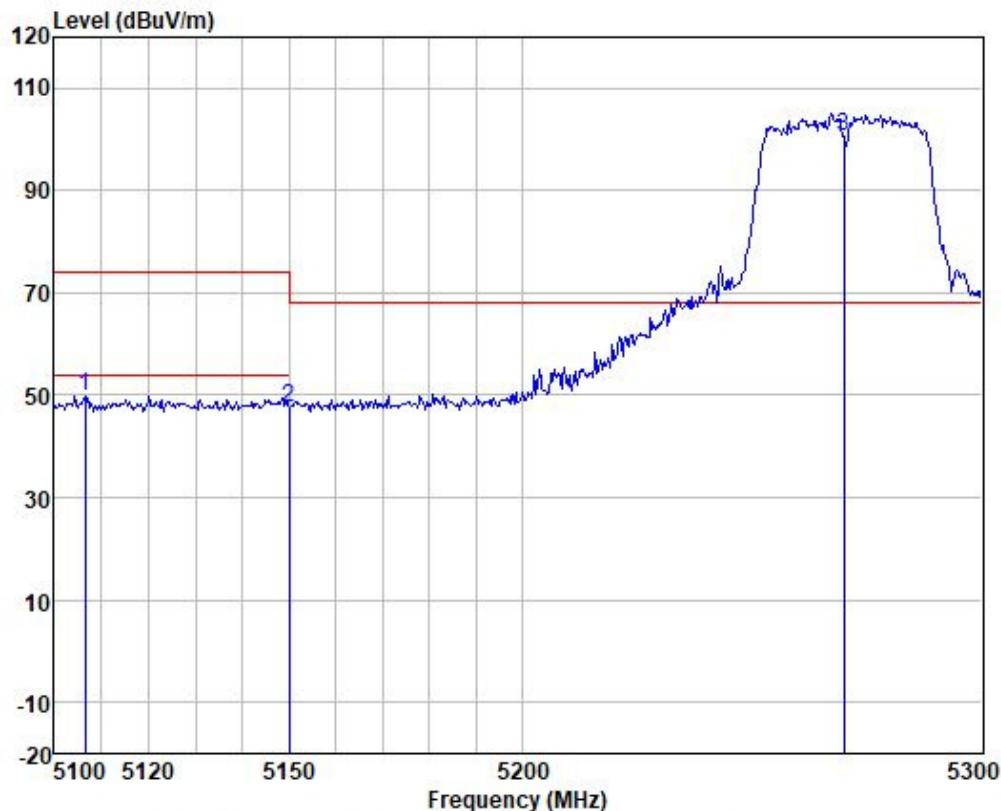


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Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



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

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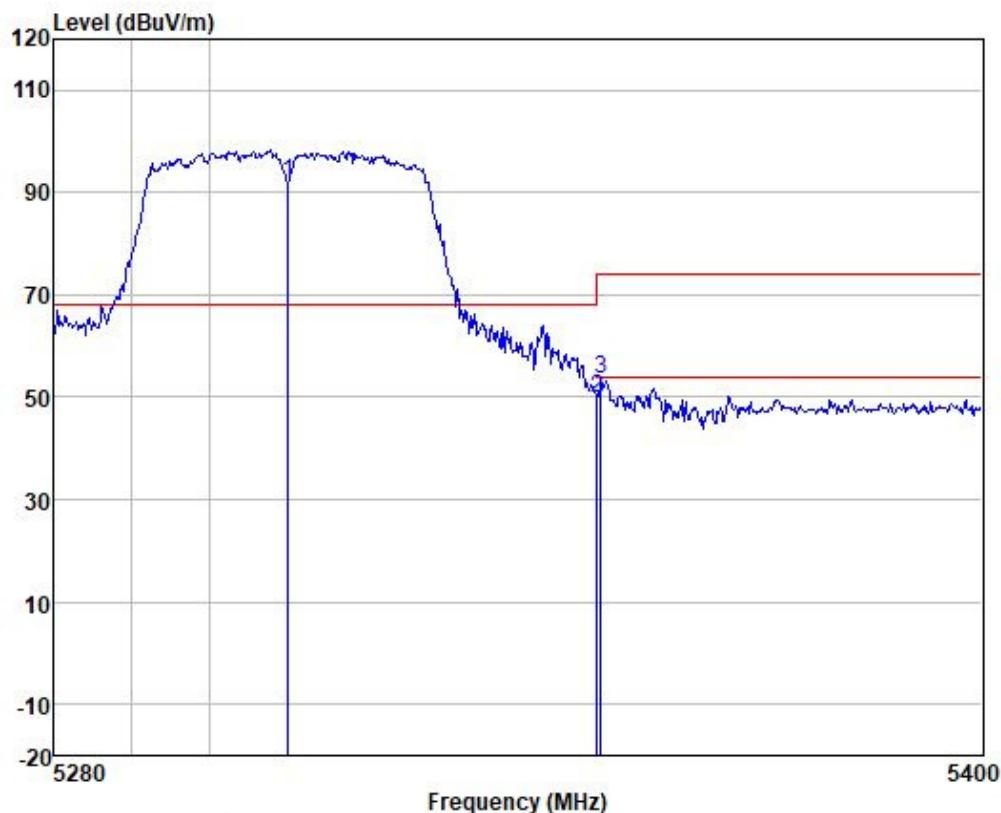
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Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



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

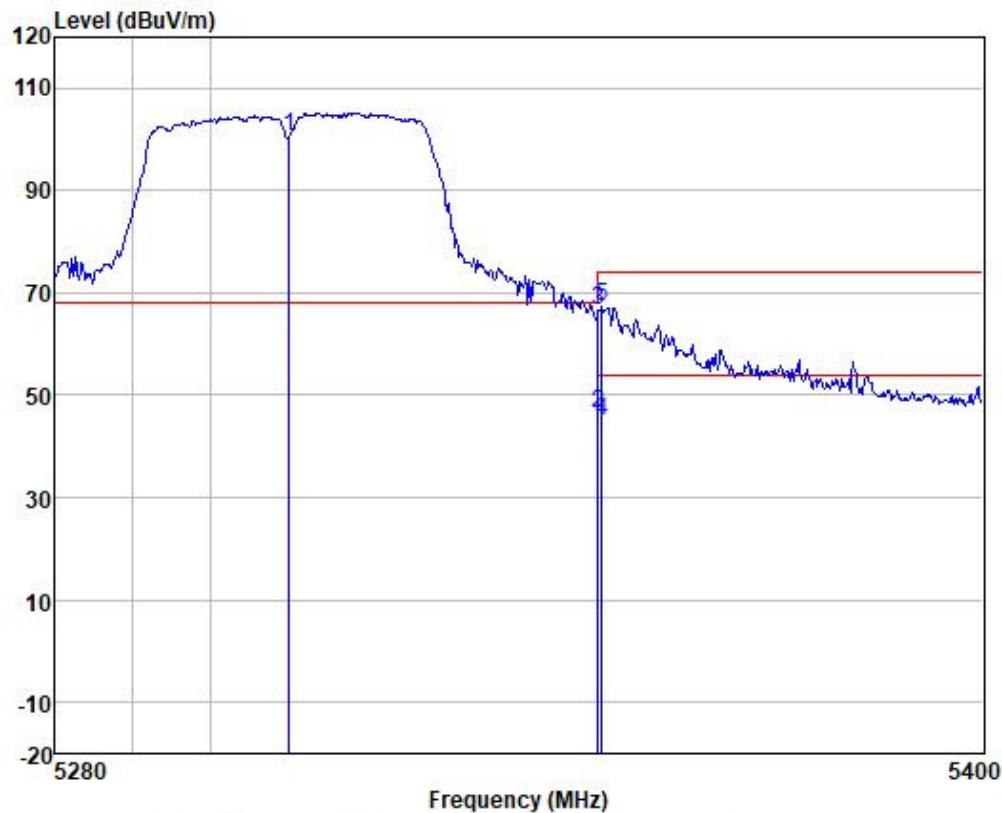
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



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

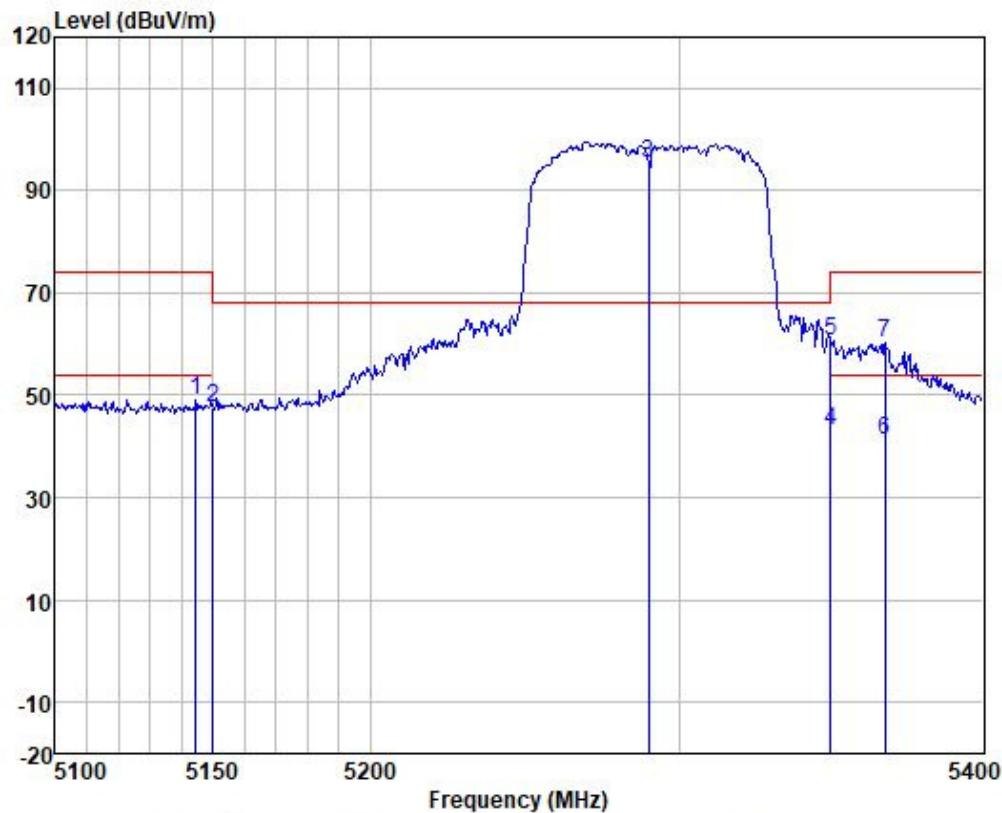


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Test Mode: 01; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz



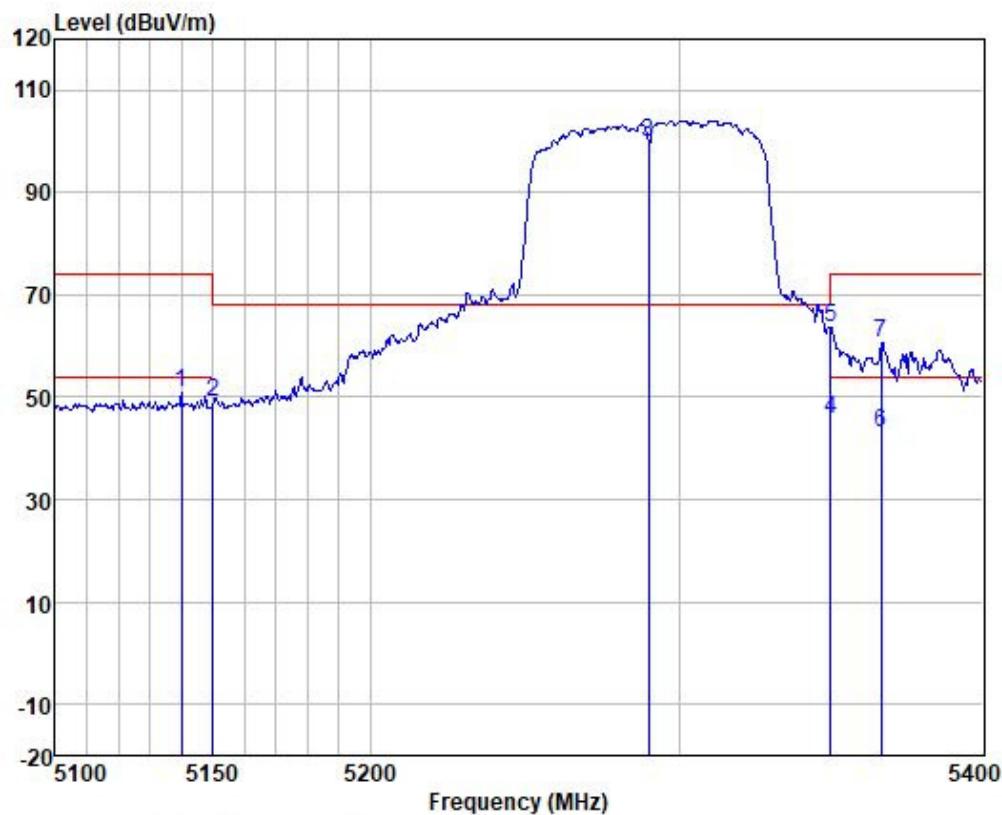
Freq	ReadAntenna	Cable	Preamp	Limit	Over	Over	Remark
	Freq	Level	Factor				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1 5144.502	45.93	33.79	5.95	36.73	48.94	74.00	-25.06 VERTICAL peak
2 5150.000	44.72	33.79	5.95	36.73	47.73	68.20	-20.47 VERTICAL peak
3 * 5290.000	92.91	33.23	6.06	36.75	95.45	68.20	27.25 VERTICAL peak
4 5350.000	40.59	33.00	6.13	36.76	42.96	54.00	-11.04 VERTICAL Average
5 5350.000	58.40	33.00	6.13	36.76	60.77	68.20	-7.43 VERTICAL peak
6 5367.995	38.92	32.95	6.15	36.76	41.26	54.00	-12.74 VERTICAL Average
7 5367.995	57.94	32.95	6.15	36.76	60.28	74.00	-13.72 VERTICAL Peak

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



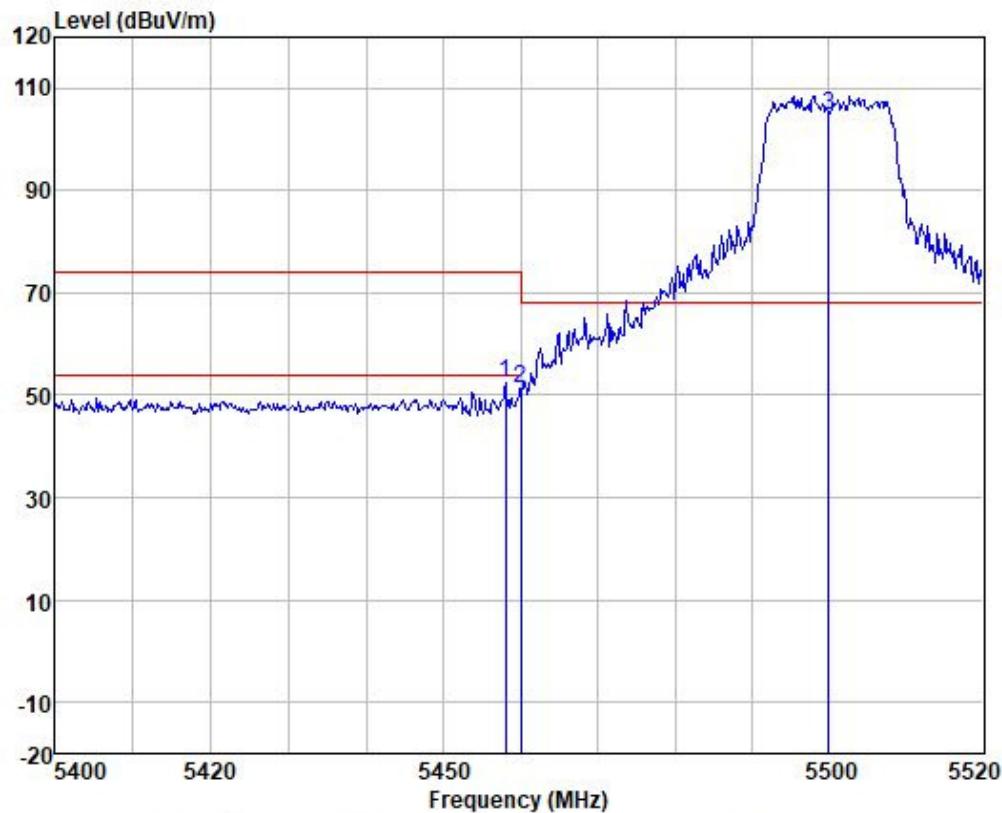
Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Pol/Phase	Remark
	Level	Factor	Loss	Factor	Level	Line					
	MHz	dBuV	dB/m		dB	dB	dBuV/m	dBuV/m		dB	
1	5139.800	47.74	33.84	5.94	36.73	50.79	74.00	-23.21	HORIZONTAL	peak	
2	5150.000	46.02	33.79	5.95	36.73	49.03	68.20	-19.17	HORIZONTAL	peak	
3 *	5290.000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

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



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

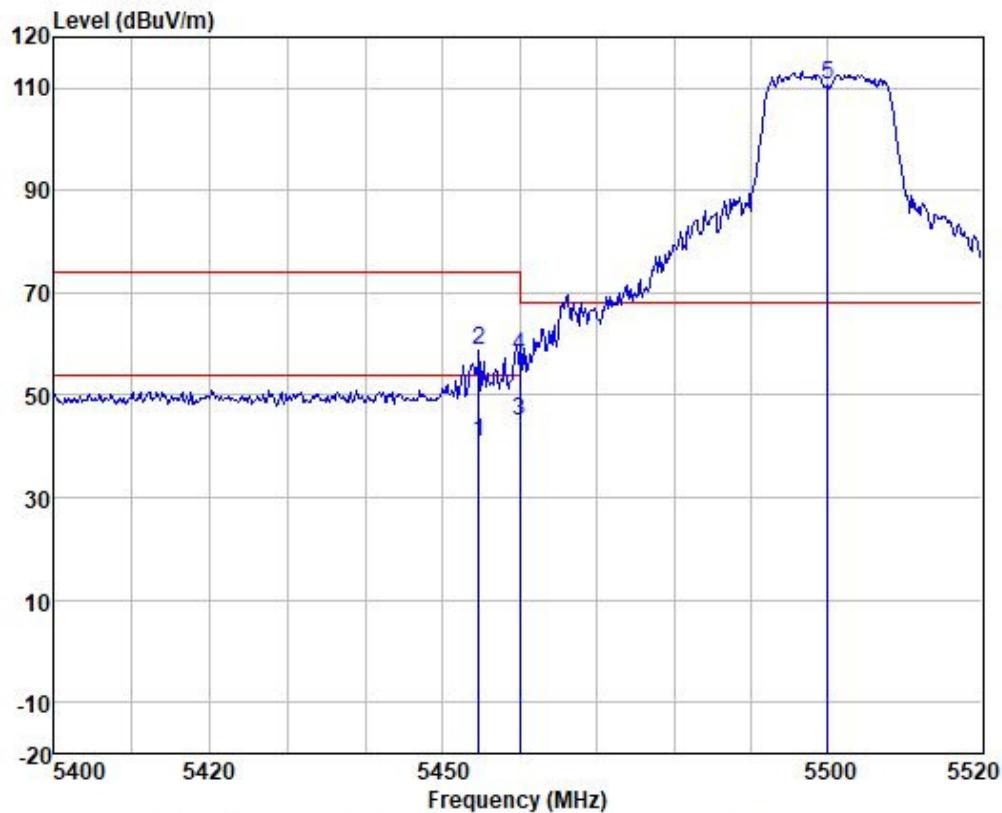


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Test Mode: 02; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



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

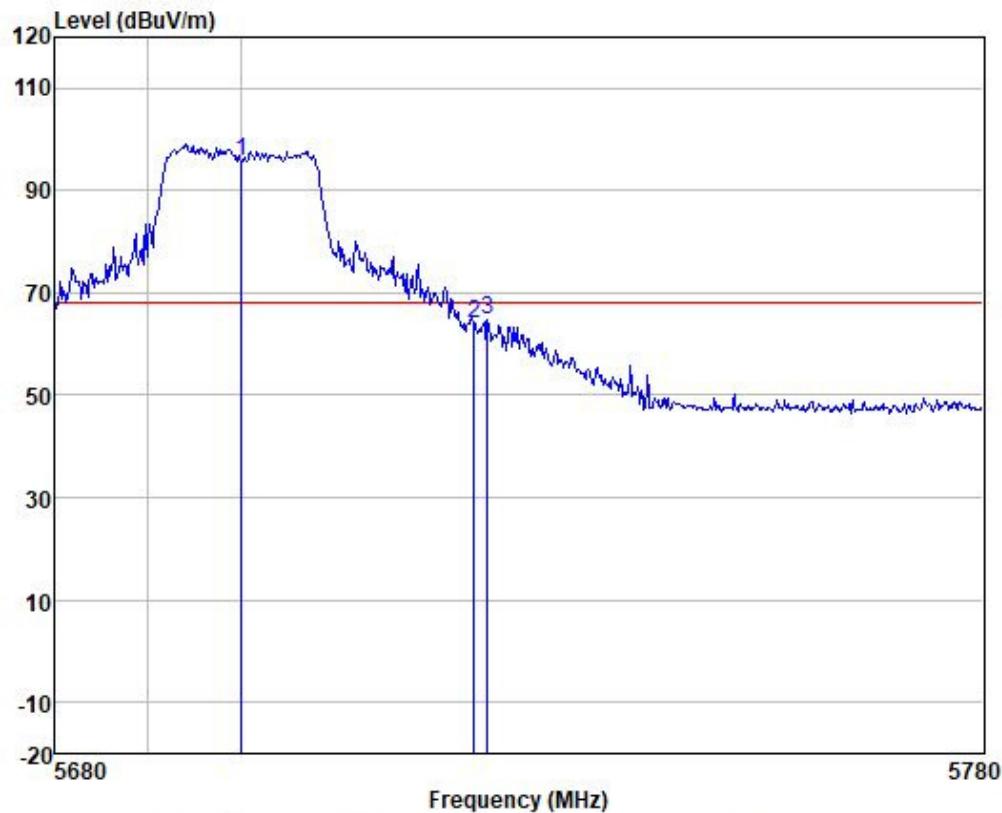
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Test Mode: 02; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



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

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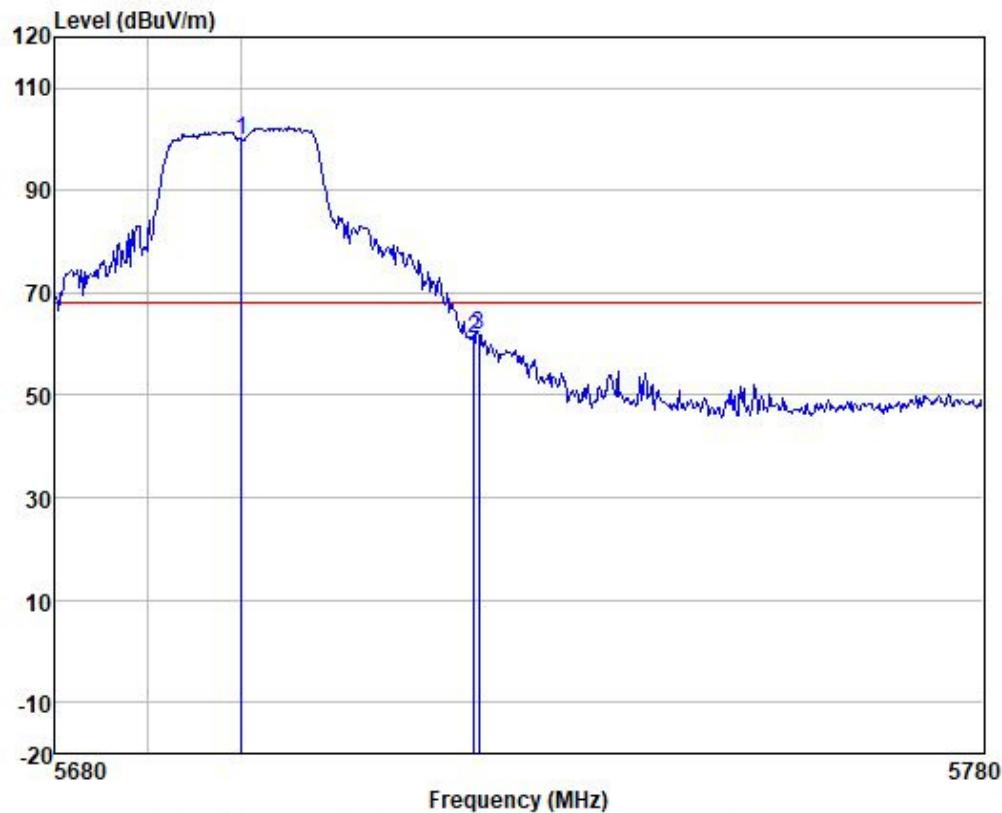
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



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

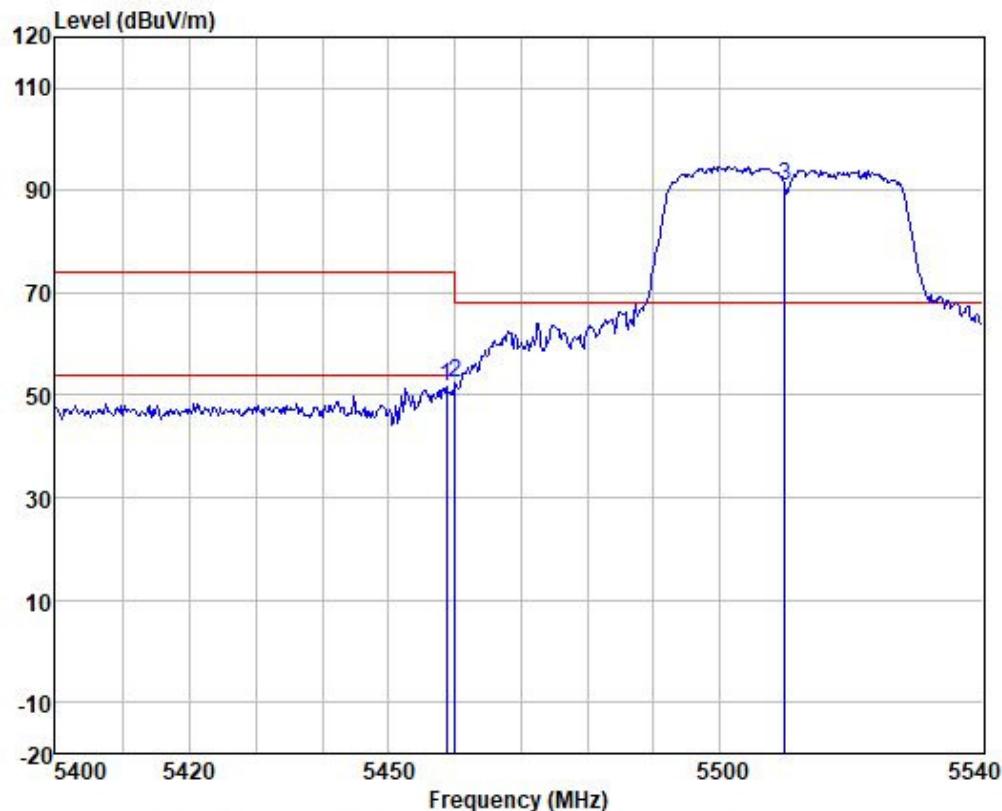
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Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



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

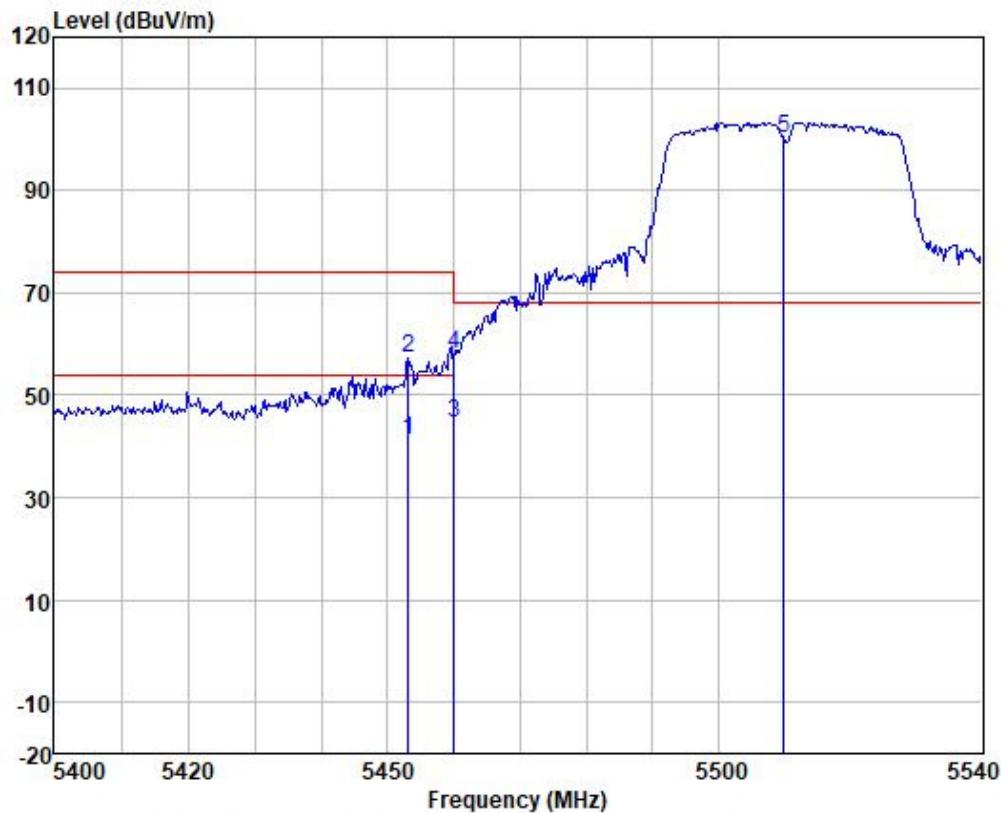
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



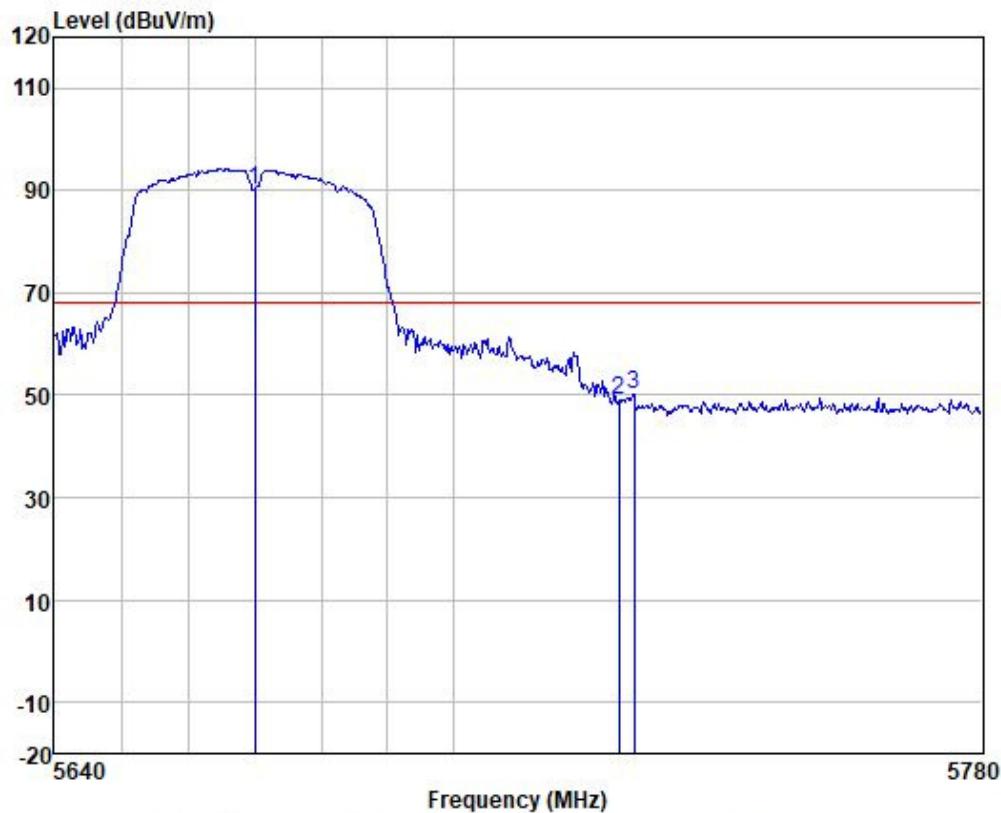
	ReadAntenna	Cable	Preamp		Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5453.058	38.87	32.71	6.29	36.76	41.11	54.00	-12.89	HORIZONTAL Average
2	5453.058	54.94	32.71	6.29	36.76	57.18	74.00	-16.82	HORIZONTAL Peak
3	5460.000	42.24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



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



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

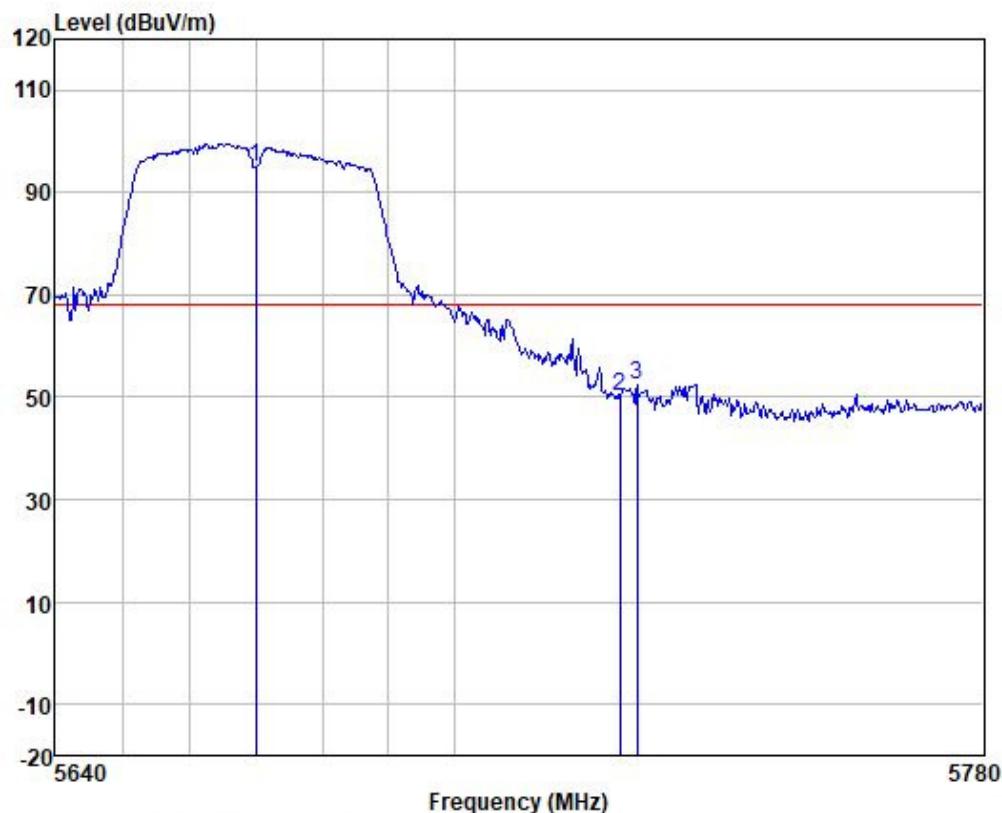


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t (86-20) 82155555 sgs.china@sgs.com

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



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

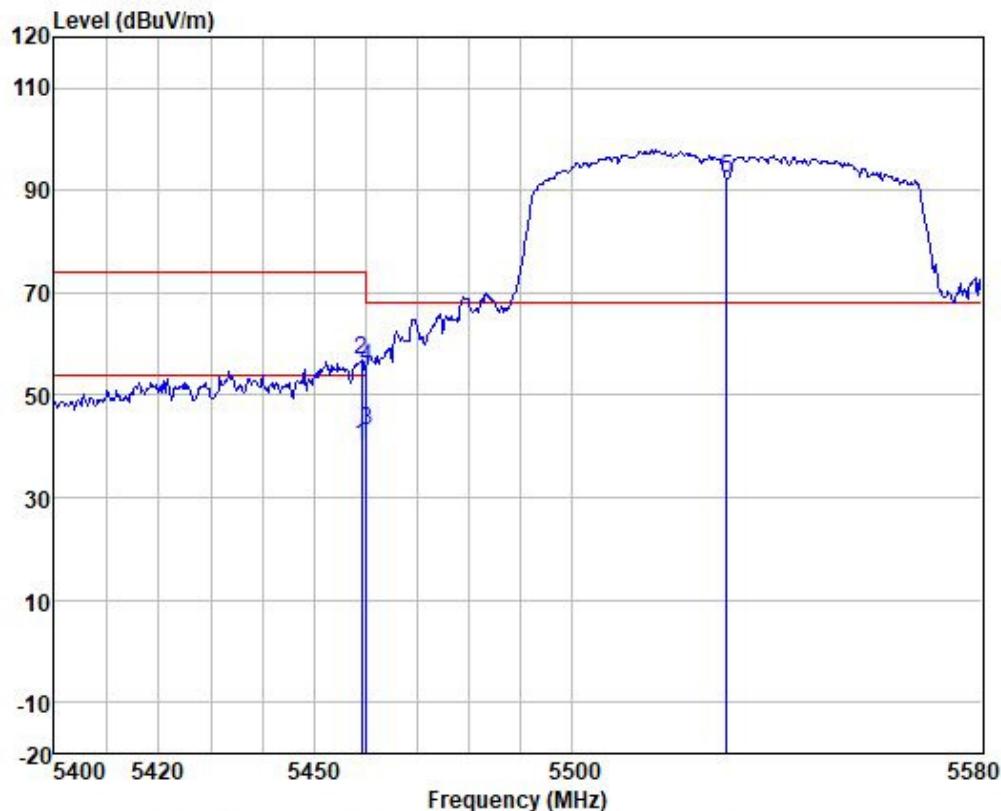
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Guangzhou Branch, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663 t (86-20) 82155555 sgs.china@sgs.com

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



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

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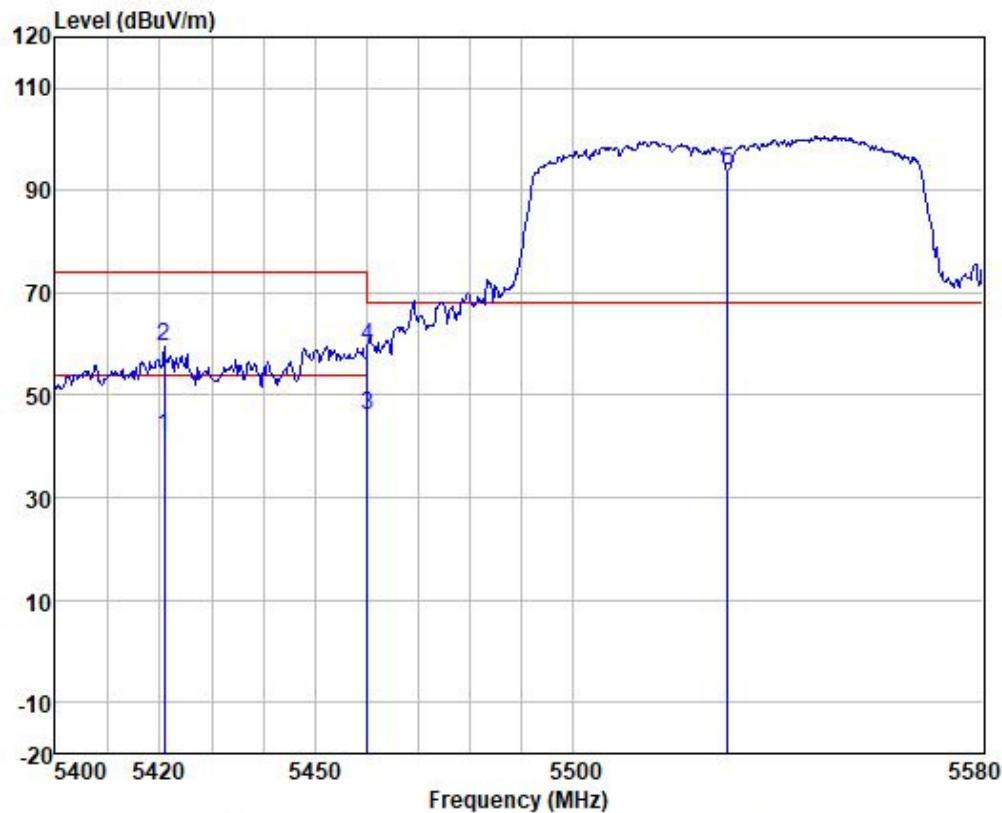
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



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

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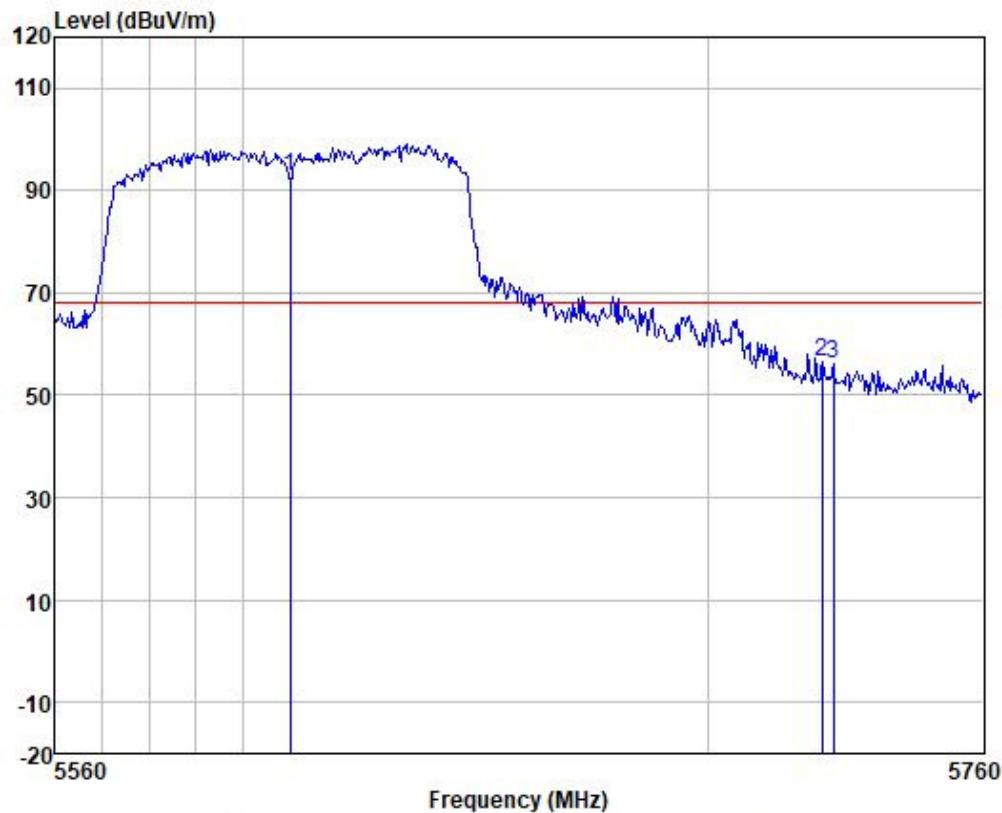
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



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

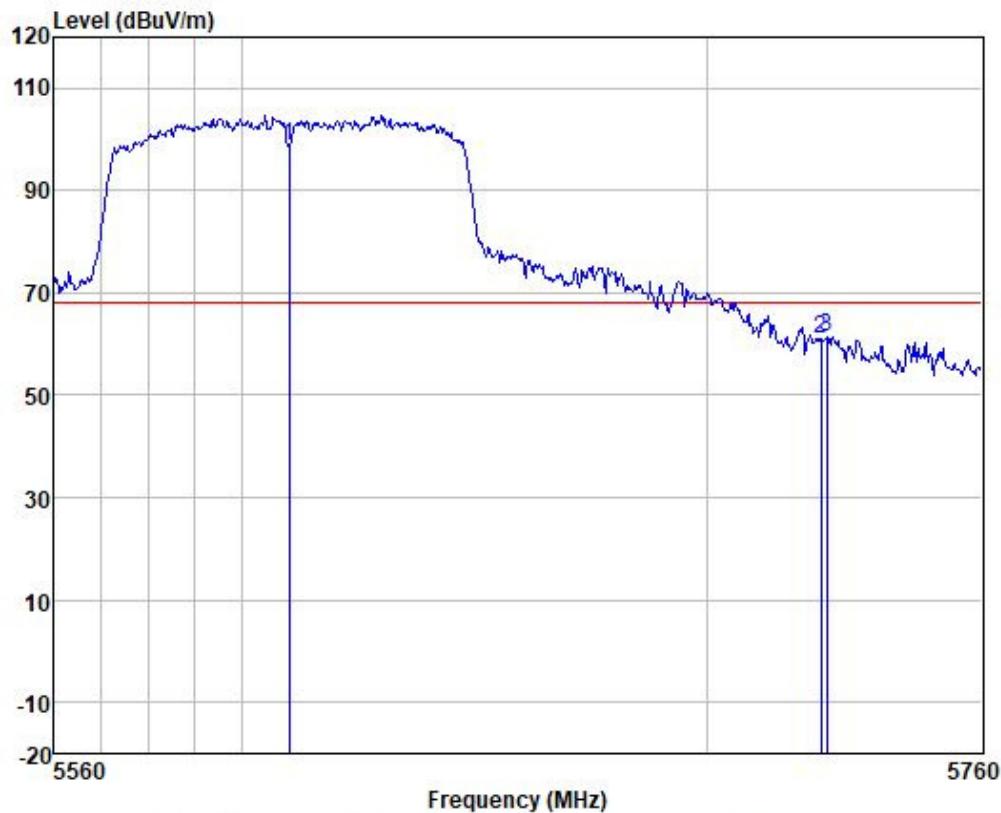
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



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

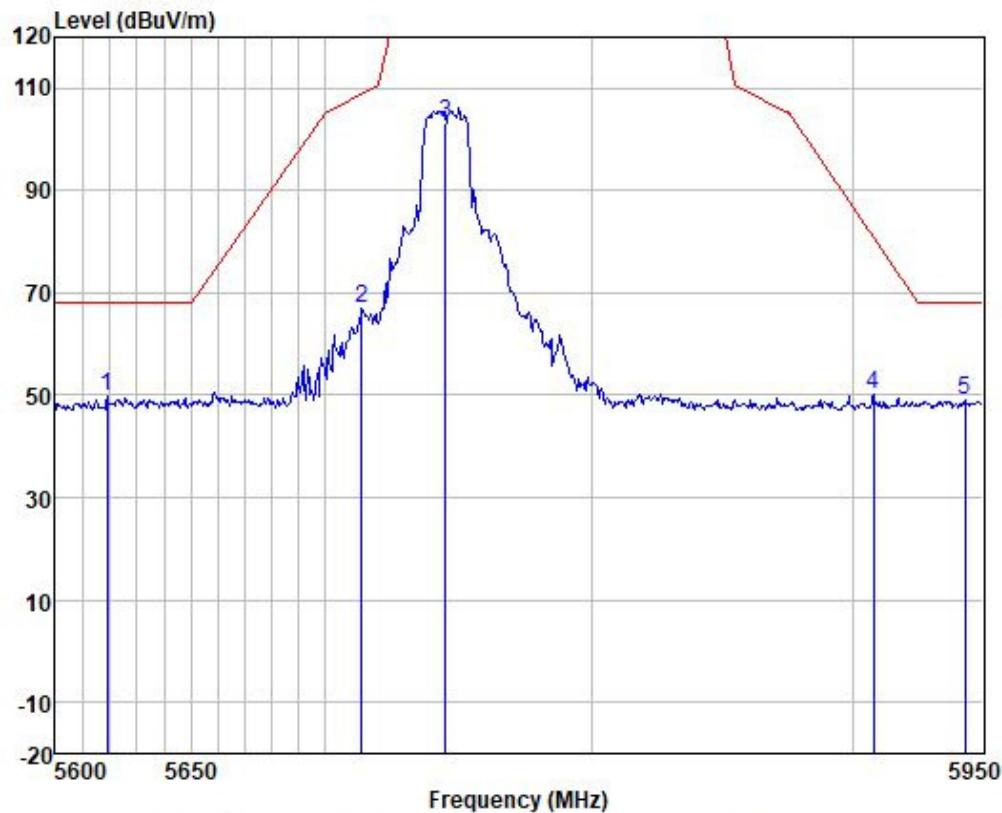
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Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Freq	Read	Antenna	Cable	Preamp	Limit		Over	Over	Pol/Phase	Remark
	Level	Factor	Loss	Factor	Level	Line	Limit			
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1	5619.044	47.40	32.63	6.53	36.78	49.78	68.20	-18.42	VERTICAL	peak
2	5713.509	64.39	32.65	6.61	36.78	66.87	108.98	-42.11	VERTICAL	peak
3	5745.000	100.73	32.65	6.64	36.79	103.23	125.20	-21.97	VERTICAL	peak
4	5907.945	47.63	32.69	6.74	36.79	50.27	80.81	-30.54	VERTICAL	peak
5	5943.511	46.44	32.69	6.76	36.80	49.09	68.20	-19.11	VERTICAL	peak

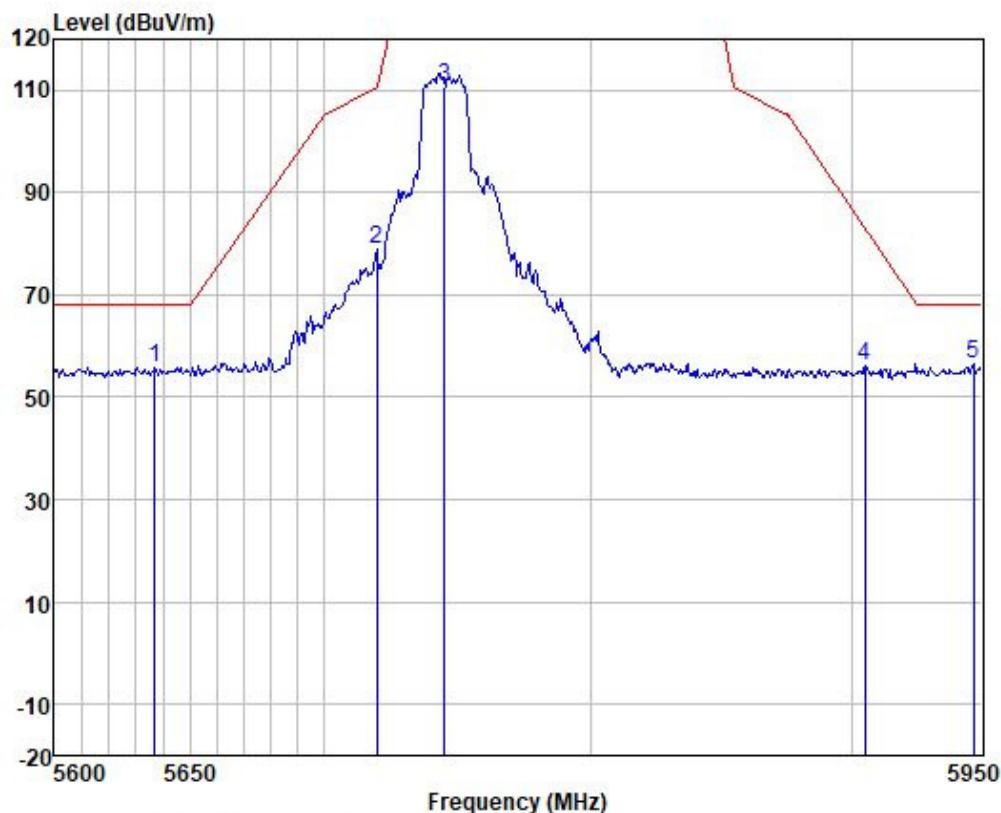
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



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

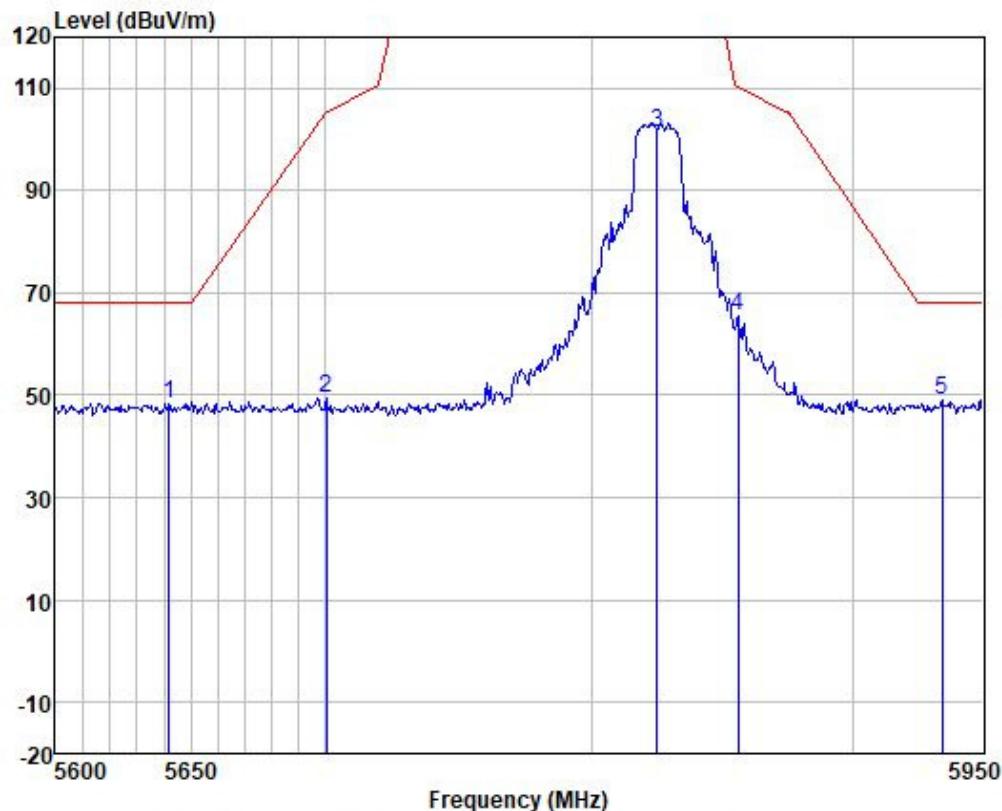
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Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



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

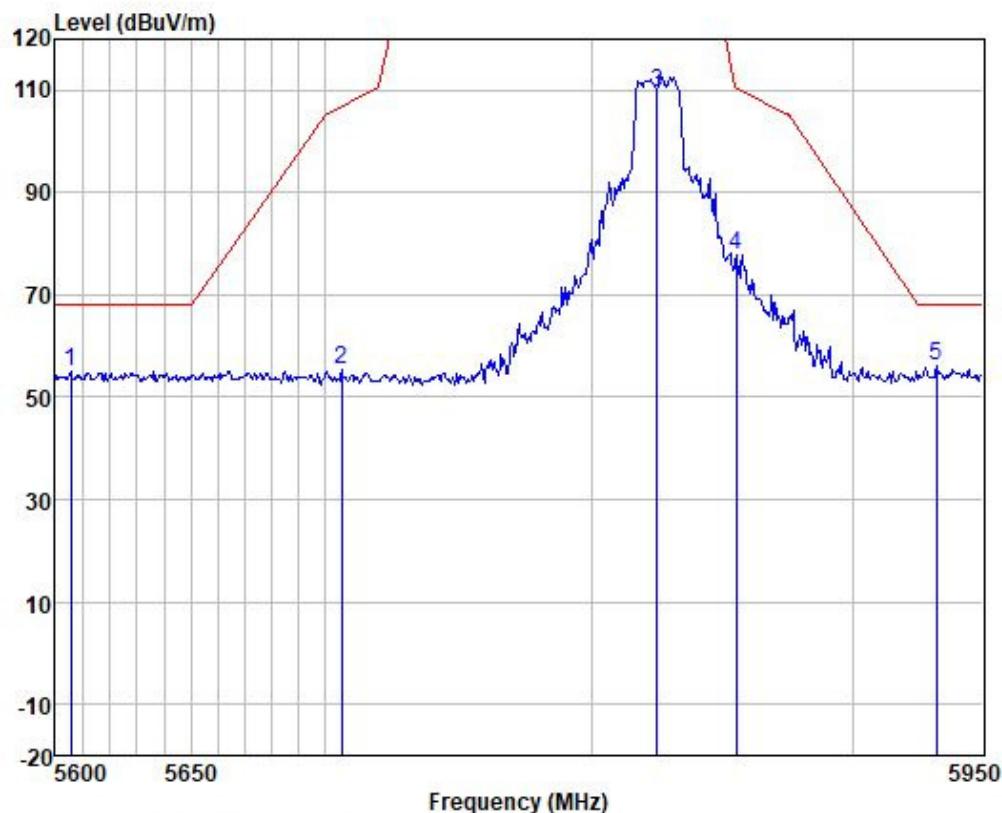
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Freq	Read	Antenna	Cable	Preamp	Limit	Over	Over	Pol/Phase	Remark
	Level	Factor	Loss	Factor					
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5605.774	52.82	32.62	6.51	36.78	55.17	68.20	-13.03	HORIZONTAL peak
2	5705.894	53.05	32.65	6.61	36.78	55.53	106.85	-51.32	HORIZONTAL peak
3	5825.000	107.08	32.67	6.69	36.79	109.65	125.20	-15.55	HORIZONTAL peak
4	5855.174	75.40	32.68	6.70	36.79	77.99	110.75	-32.76	HORIZONTAL peak
5	5932.351	53.51	32.69	6.75	36.80	56.15	68.20	-12.05	HORIZONTAL peak

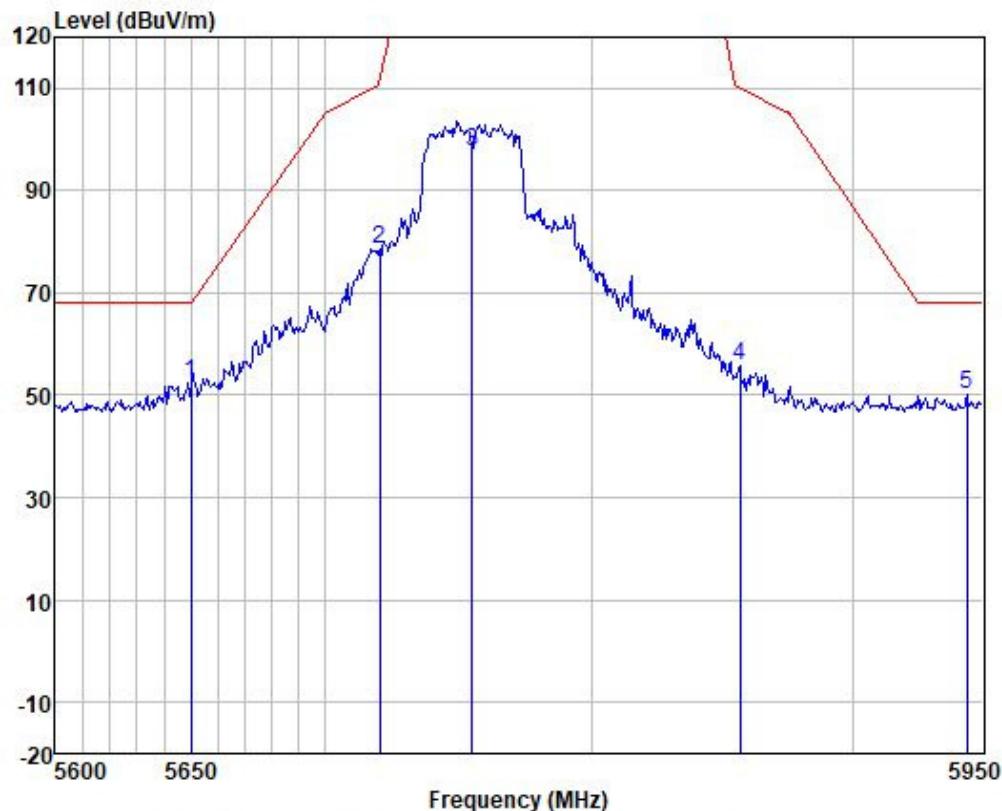
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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Freq	Read	Antenna	Cable	Preamp	Limit	Over	Pol/Phase	Remark	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5650.129	49.99	32.63	6.56	36.78	52.40	68.30	-15.90	VERTICAL peak
2	5720.094	76.03	32.65	6.61	36.78	78.51	111.01	-32.50	VERTICAL peak
3	5755.000	95.21	32.65	6.64	36.79	97.71	125.20	-27.49	VERTICAL peak
4	5856.594	53.02	32.68	6.71	36.79	55.62	110.35	-54.73	VERTICAL peak
5	5944.231	47.38	32.69	6.76	36.80	50.03	68.20	-18.17	VERTICAL peak

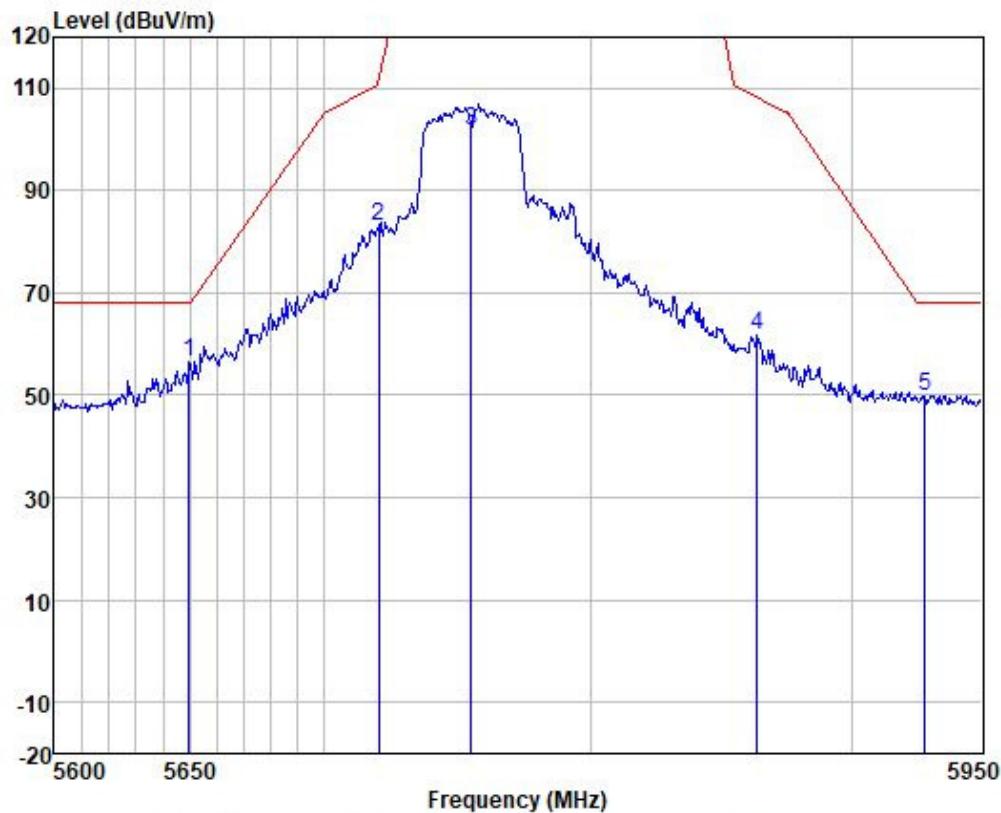
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Freq	Read	Antenna	Cable	Preamp	Limit	Over	Pol/Phase	Remark	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5649.787	54.27	32.63	6.56	36.78	56.68	68.20	-11.52	HORIZONTAL peak
2	5720.094	80.65	32.65	6.61	36.78	83.13	111.01	-27.88	HORIZONTAL peak
3	5755.000	99.24	32.65	6.64	36.79	101.74	125.20	-23.46	HORIZONTAL peak
4	5863.699	59.31	32.68	6.71	36.79	61.91	108.36	-46.45	HORIZONTAL peak
5	5928.396	47.28	32.69	6.75	36.80	49.92	68.20	-18.28	HORIZONTAL peak

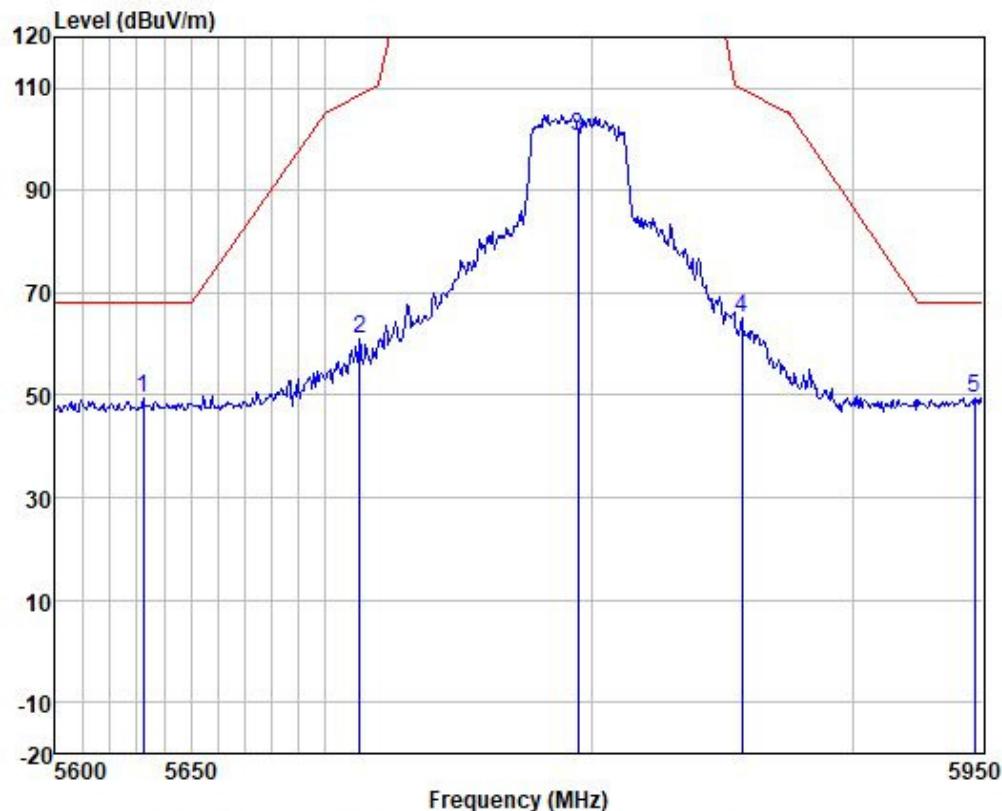
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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



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

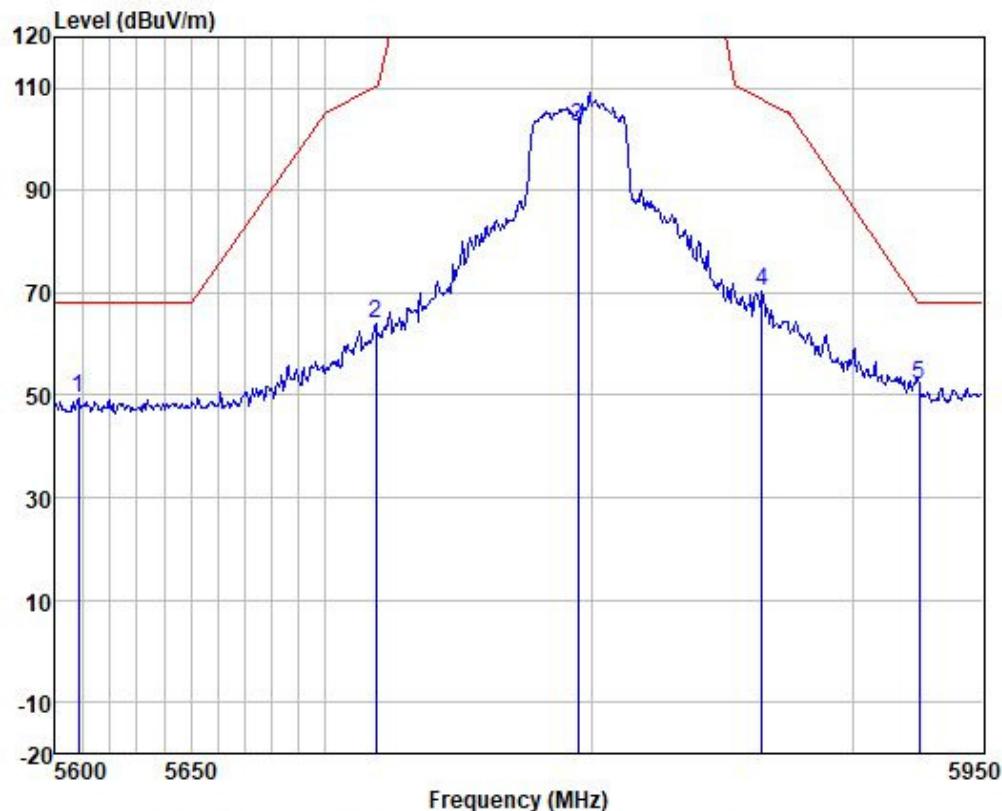
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Freq	Read	Antenna	Cable	Preamp	Limit	Over	Remark
	MHz	Level	Factor	Loss	Factor	Line	
	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	5608.494	47.14	32.63	6.53	36.78	49.52	68.20 -18.68 HORIZONTAL peak
2	5718.707	61.66	32.65	6.61	36.78	64.14	110.44 -46.30 HORIZONTAL peak
3	5795.000	99.99	32.67	6.67	36.79	102.54	125.20 -22.66 HORIZONTAL peak
4	5865.122	67.84	32.68	6.71	36.79	70.44	107.96 -37.52 HORIZONTAL peak
5	5925.881	49.41	32.69	6.75	36.80	52.05	68.20 -16.15 HORIZONTAL peak

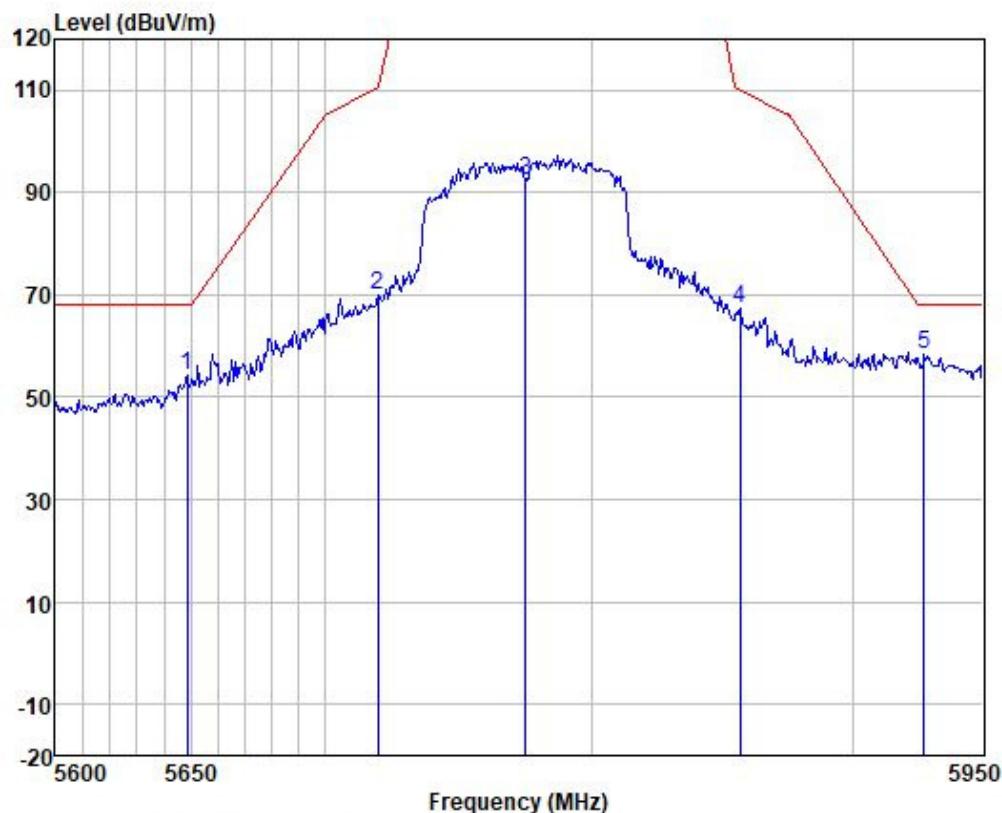
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz



Freq	ReadAntenna	Cable	Preamp	Limit	Over	Over	Pol/Phase	Remark
	Freq	Level	Factor					
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5648.417	52.07	32.63	6.56	36.78	54.48	68.20	-13.72 VERTICAL peak
2	5719.400	67.57	32.65	6.61	36.78	70.05	110.63	-40.58 VERTICAL peak
3	5775.000	90.00	32.66	6.66	36.79	92.53	125.20	-32.67 VERTICAL peak
4	5856.594	64.82	32.68	6.71	36.79	67.42	110.35	-42.93 VERTICAL peak
5	5927.678	55.72	32.69	6.75	36.80	58.36	68.20	-9.84 VERTICAL peak

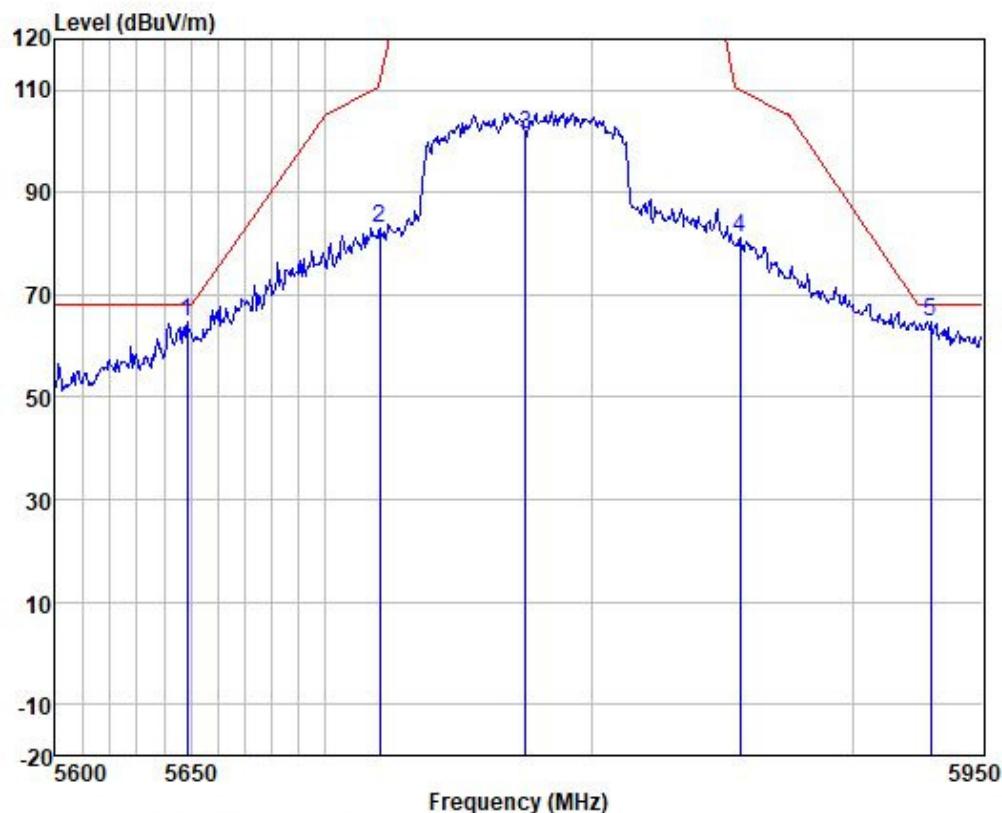
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz



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

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7.6 Duty Cycle

Test Requirement KDB 789033 D02 II B 1

Test Method: KDB 789033 II B 1

7.6.1 E.U.T. Operation

Operating Environment:

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

7.6.2 Test Mode Description

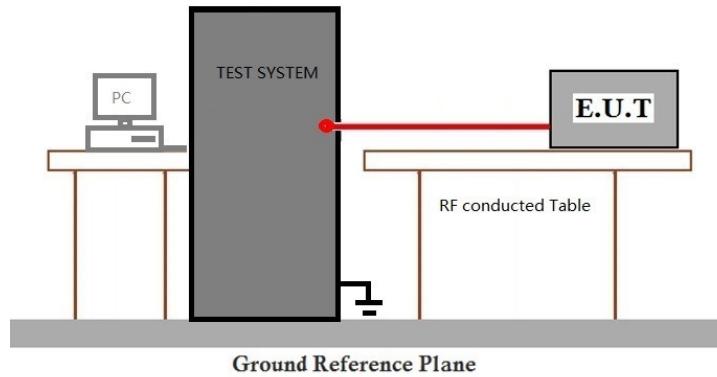
Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	01	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.



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7.6.3 Test Setup Diagram**7.6.4 Measurement Procedure and Data**

Please Refer to Appendix for Details

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7.7 99% Bandwidth

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

7.7.1 E.U.T. Operation

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

7.7.2 Test Mode Description

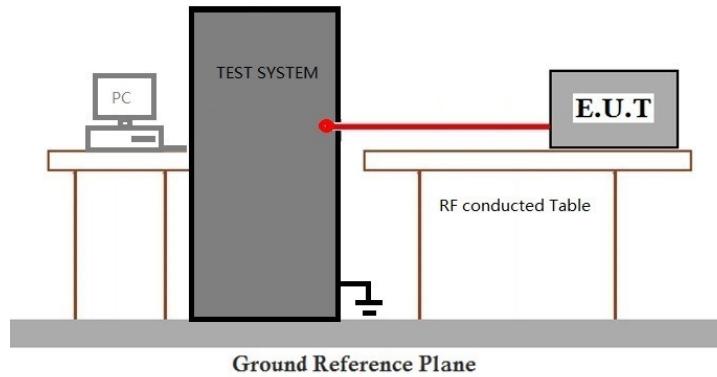
Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	01	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.



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7.7.3 Test Setup Diagram**7.7.4 Measurement Procedure and Data**

Please Refer to Appendix for Details

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7.8 26dB Emission bandwidth

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)
Test Method: KDB 789033 D02 II C 1

7.8.1 E.U.T. Operation

Operating Environment:

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

7.8.2 Test Mode Description

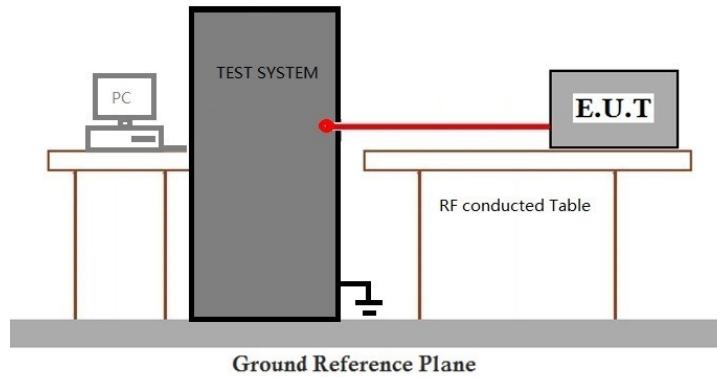
Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	01	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.



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7.8.3 Test Setup Diagram**7.8.4 Measurement Procedure and Data**

Please Refer to Appendix for Details

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

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

Test Method: KDB 789033 D02 II C 2

Limit:

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

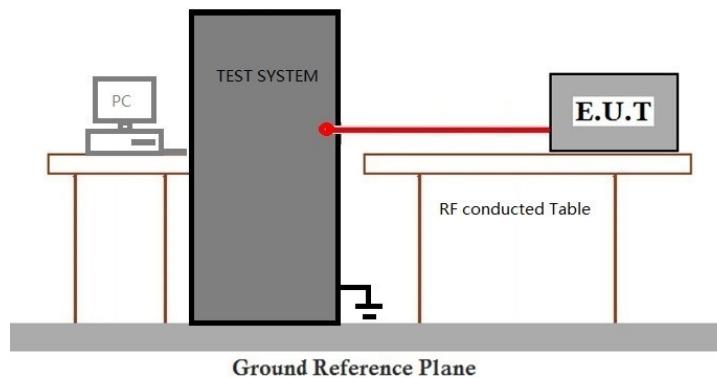
7.9.1 E.U.T. Operation

Operating Environment:

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

7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	03	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.

7.9.3 Test Setup Diagram**7.9.4 Measurement Procedure and Data**

Please Refer to Appendix for Details

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7.10 Peak Power spectrum density

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

Test Method: KDB 789033 D02 II F

Limit:

Frequency band(MHz)	Limit
5150-5250	≤17dBm in 1MHz for master device
	≤11dBm in 1MHz for client device
5250-5350	≤11dBm in 1MHz for client device
5470-5725	≤11dBm in 1MHz for client device
5725-5850	≤30dBm in 500 kHz

Remark: The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test.

7.10.1 E.U.T. Operation

Operating Environment:

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

7.10.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	01	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.

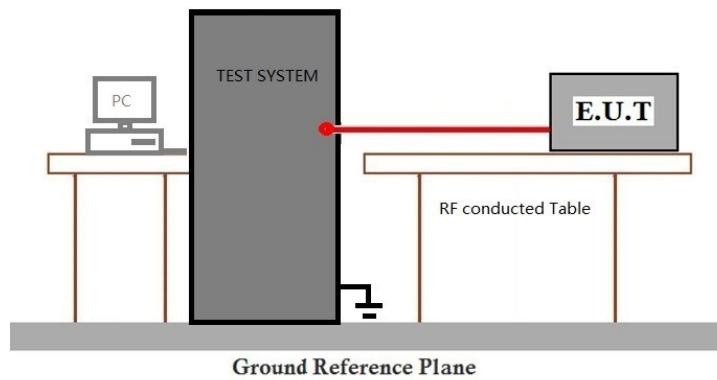
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7.10.3 Test Setup Diagram**7.10.4 Measurement Procedure and Data**

Please Refer to Appendix for Details

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7.11 Frequency Stability

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

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

7.11.1 E.U.T. Operation

Operating Environment:

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

7.11.2 Test Mode Description

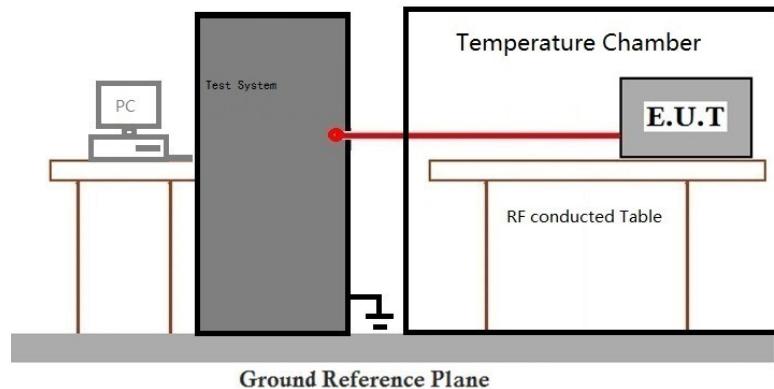
Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	01	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.



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7.11.3 Test Setup Diagram**7.11.4 Measurement Procedure and Data**

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8 Test Setup Photo

Refer to Appendix - Test Setup Photo for GZCR240600064504



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9 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for GZCR2406000645HS



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