

TEST REPORT

Application No.: GZCR2507001064AT
Applicant: Geosolution i Goteborg AB
Address of Applicant: Stora Avagen 21, 436 34 ASKIM, Sweden
Manufacturer: Geosolution i Goteborg AB
Address of Manufacturer: Stora Avagen 21, 436 34 ASKIM, Sweden
Factory: Geosolution i Goteborg AB
Address of Factory: Stora Avagen 21, 436 34 ASKIM, Sweden
Product Name: WiFi & Bluetooth Module
Model No.: FCS950U
Trade Mark: 
Standard(s) : 47 CFR Part 15, Subpart E 15.407
Date of Receipt: 2025-07-15
Date of Test: 2025-08-12 to 2025-08-15
Date of Issue: 2025-08-16

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.

Jerry Chen



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Revision Record			
Version	Report No.	Date	Remark
01	GZCR250700106405	2025-08-16	Original

Authorized for issue by:			
Tested By		Key Liang	
		Key Liang/Project Engineer	
Approved By		Vico Cui	
		Vico Cui/Reviewer	



2 Test Summary

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Radiated Emissions (Below 1GHz)	47 CFR Part 15, Subpart E 15.407	ANSI C63.10 (2020) Section 6.4,6.5	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Radiated Emissions (Above 1GHz)		ANSI C63.10 (2020) Section 6.6	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Radiated Emissions which fall in the restricted bands		ANSI C63.10 (2020) Section 6.10.5	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass

Note:

E.U.T./EUT means Equipment Under Test.

Pass means the test result passed the test standard requirement, please find the detailed decision rule in the report relative section.

Remark:

This report is based on original modular **FCC ID: AJY2023FCS950U** C2PC change the modular antenna.

With following changes:

1.Replacing new Integral Antenna with lower gain than the antenna previously authorized under the certification FCC ID: AJY2023FCS950U.

For verify the Antenna Requirement, Radiated Spurious Emissions Below 1GHz, Radiated Spurious Emissions Above 1GHz and Radiated Emissions which fall in the restricted bands were performed with new antenna.

Therefore, the new test data was kept in this report GZCR250700106505. For original data please refer to **FCC ID: XMR2023FCS950U** for more details.



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4 General Information

4.1 Details of E.U.T.

Power supply: DC 3.3V

Test voltage: AC 120V, 60Hz powered by Note Book Computer refer to section 4.2

Cable(s): N/A

Operation
Frequency/Number of channels (20MHz):
U-NII-1: 5180-5240MHz (4 Channels)
U-NII-2A: 5260-5320MHz (4 Channels)
U-NII-2C: 5500-5700MHz (11 Channels)
U-NII-3: 5745-5825MHz (5 Channels)

Operation
Frequency/Number of channels/(40MHz):
U-NII-1: 5190-5230MHz (2 Channels)
U-NII-2A: 5270-5310MHz (2 Channels)
U-NII-2C: 5510-5670MHz (5 Channels)
U-NII-3: 5755-5795MHz (2 Channels)

Operation
Frequency/Number of channels (80MHz):
U-NII-1: 5210MHz (1 Channel)
U-NII-2A: 5290MHz (1 Channels)
U-NII-2C: 5530-5610MHz (2 Channels)
U-NII-3: 5775MHz (1 Channel)

Modulation Type: 802.11a: OFDM (BPSK, QPSK, 16QAM, 64QAM)
802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM)
802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)
802.11a/n/ac 20: 20MHz

Channel Spacing: 802.11n/ac 40: 40MHz
802.11ac 80: 80MHz

DFS Function: Slave without Radar detection

Antenna Type: Integral Antenna

Antenna Gain: 0.5 dBi(Declared by antenna specification)

Remark: The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Mobile Phone	SAMSUNG	SM-G9810	RFCN309Q9QF
Note Book Computer	LENOVO	ThinkPad T490	PF1D1MVJ



4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Radiated Emissions which fall in the restricted bands	$\pm 5.14\text{dB}$ (30MHz-1GHz; 3m); $\pm 4.90\text{dB}$ (30MHz-1GHz; 10m); $\pm 4.88\text{dB}$ (1GHz-6GHz); $\pm 5.06\text{dB}$ (6GHz-18GHz); $\pm 5.30\text{dB}$ (18GHz-40GHz)
Radiated Emissions (Below 1GHz)	$\pm 5.14\text{dB}$ (3m); $\pm 4.90\text{dB}$ (10m)
Radiated Emissions (Above 1GHz)	$\pm 4.88\text{dB}$ (1GHz-6 GHz); $\pm 5.06\text{dB}$ (6GHz-18GHz); $\pm 5.30\text{dB}$ (18GHz-40GHz)
Remark: The U_{lab} (lab Uncertainty) is less than U_{CISPR} (CISPR Uncertainty) or U_{ETSI} (ETSI Uncertainty). Emission decision rule: – Compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit, marked as Pass in the report. – Non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit, marked as Fail in the report.	

4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou Branch EMC Laboratory,
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou,
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No tests were sub-contracted.



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4.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

● ACMA

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory can also perform testing for the Australian/New Zealand Regulatory Compliance Mark (RCM).

● SGS UK(Certificate No.: 32), SGS-TUV SAARLAND and SGS-FIMKO

Have approved SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory as a supplier of EMC TESTING SERVICES and SAFETY TESTING SERVICES.

● FCC Recognized Accredited Test Firm(Registration No.: 486818)

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been accredited and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Designation Number: CN5016, Test Firm Registration Number: 486818.

● ISED (Registration No.: 4620B, CAB identifier: CN0052)

SGS-CSTC Standards Technical Services Co., Ltd., has been registered by Innovation Science and Economic Development Canada for Wireless Device Testing laboratories to test to Canadian radio equipment requirements. Registration No. 4620B, CAB identifier: CN0052.

● VCCI (Registration No.: R-12460, C-12584, G-20107 and T-11179)

The 10m Semi-anechoic chamber, 966 Anechoic Chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-12460, C-12584, G-20107 and T-11179 respectively.

● CBTL (Lab Code: TL129)

SGS-CSTC Standards Technical Services Co., Ltd., E&E Laboratory has been assessed and fully comply with the requirements of ISO/IEC 17025:2017, the Basic Rules, IECEE 01 and Rules of procedure IECEE 02, and the relevant IECEE CB-Scheme Operational documents.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



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5 Equipment List

Radiated Emissions (Below 1GHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
966 Anechoic Chamber	Shenzhen C.R.T	CRTSGSSAC966	EMC2230	2025-03-22	2028-03-21
EMI Test Receiver(1Hz-8GHz)	Rohde & Schwarz	ESW8	EMC2229	2024-12-03	2025-12-02
Amplifier(9k-1000MHz)	SONOMA	310	EMC2237	2024-12-03	2025-12-02
Trilog Broadband Antenna (25MHz-2GHz)	Schwarzbeck Mess-Elektronik	VULB 9168	EMC2238	2025-03-24	2027-03-23
Coaxial Cable	Mirco-COAX UTIFLEX ve	LA2-C125-8000	EMC2239	2024-12-04	2026-12-03
Test Software E3	Audix	Ver.6.191211	GZE100-81	N/A	N/A
Active Loop Antenna-RED	ETS-Lindgren	6502	EMC2190	2024-04-08	2026-04-07
EMI Test Receiver (1Hz-8GHz)	Rohde & Schwarz	ESW8	EMC2229	2024-12-03	2025-12-02
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A
966 Anechoic Chamber	Shenzhen C.R.T	CRTSGSSAC966	EMC2230	2025-03-22	2028-03-21
Coaxial Cable	Mirco-COAX UTIFLEX ve	LA2-C125-8000	EMC2239	2024-12-04	2026-12-03

Radiated Emissions (Above 1GHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
1-26.5 GHz Pre-Amplifier	Agilent	8449B	EMC0521	2024-10-14	2025-10-13
EMI Test Receiver (10Hz-26.5GHz)	Rohde & Schwarz	ESIB26	EMC0522	2024-09-02	2025-09-01
Chamber cable (Above 1GHz)	Scoflex	KMKM-8.0m	EMC0545	2024-08-19	2026-08-18
Horn Antenna (1-18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120D	EMC2026	2025-05-13	2027-05-12
Horn Antenna (14-40GHz)	SCHWARZBECK	BBHA 9170	EMC2041	2023-06-18	2026-06-17
EXA Signal Analyzer (10Hz-44GHz)	Keysight	N9010A	EMC2138	2024-08-19	2025-08-18
966 Anechoic Chamber	C.R.T	9m x 6m x 6m	EMC2142	2023-12-20	2026-12-19
Notch Filter (5150-5880)	Mico-Tronics	BRM50716	EMC2168	2025-07-17	2026-07-16
Microwave Broadband Preamplifier (18-40GHz)	SCHWARZBECK	BBV 9721	EMC2172	2024-08-19	2025-08-18
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A



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Radiated Emissions which fall in the restricted bands					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
1-26.5 GHz Pre-Amplifier	Agilent	8449B	EMC0521	2025-08-11	2026-08-10
EMI Test Receiver (10Hz-26.5GHz)	Rohde & Schwarz	ESIB26	EMC0522	2025-08-11	2026-08-10
Chamber cable (Above 1GHz)	Scoflex	KMKM-8.0m	EMC0545	2024-08-19	2026-08-18
Horn Antenna (1-18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120D	EMC2026	2025-05-13	2027-05-12
Horn Antenna (14-40GHz)	SCHWARZBECK	BBHA 9170	EMC2041	2023-06-18	2026-06-17
EXA Signal Analyzer (10Hz-44GHz)	Keysight	N9010A	EMC2138	2025-08-12	2026-08-11
966 Anechoic Chamber	C.R.T	9m x 6m x 6m	EMC2142	2023-12-23	2026-12-22
Microwave Broadband Preamplifier (18-40GHz)	SCHWARZBECK	BBV 9721	EMC2172	2025-08-12	2026-08-11
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A

General used equipment					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DMM	Fluke	73	EMC0006	2025-06-03	2026-06-02



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6 Radio Spectrum Matter Test Results

6.1 Radiated Emissions (Below 1GHz)

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

Test Method: ANSI C63.10 (2020) Section 6.4,6.5

Test Engineer: Jarry Li

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
960-1000	500	3

6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 22.5 °C

Humidity: 59.4 % RH

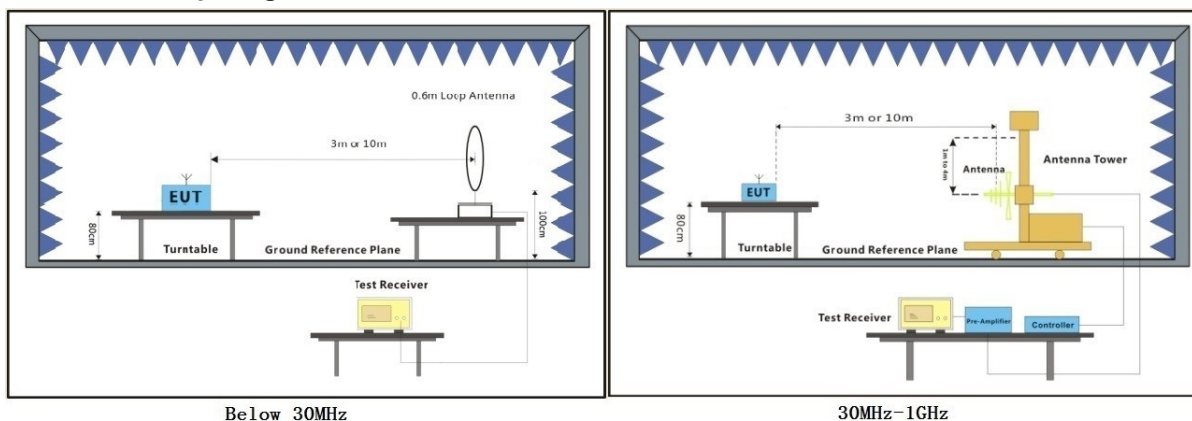
Atmospheric Pressure: 1006 mbar

6.1.2 Test Mode Description

Pre-scan / Mode
Final test Code Description

Final test 08 Normal operating_Keep the EUT communication with the companion device.

6.1.3 Test Setup Diagram



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

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. For emission below 1GHz, through the pre-scan found the worst case is the lowest channel of 802.11a. Only the worst case is recorded in the report.
3. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
4. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.



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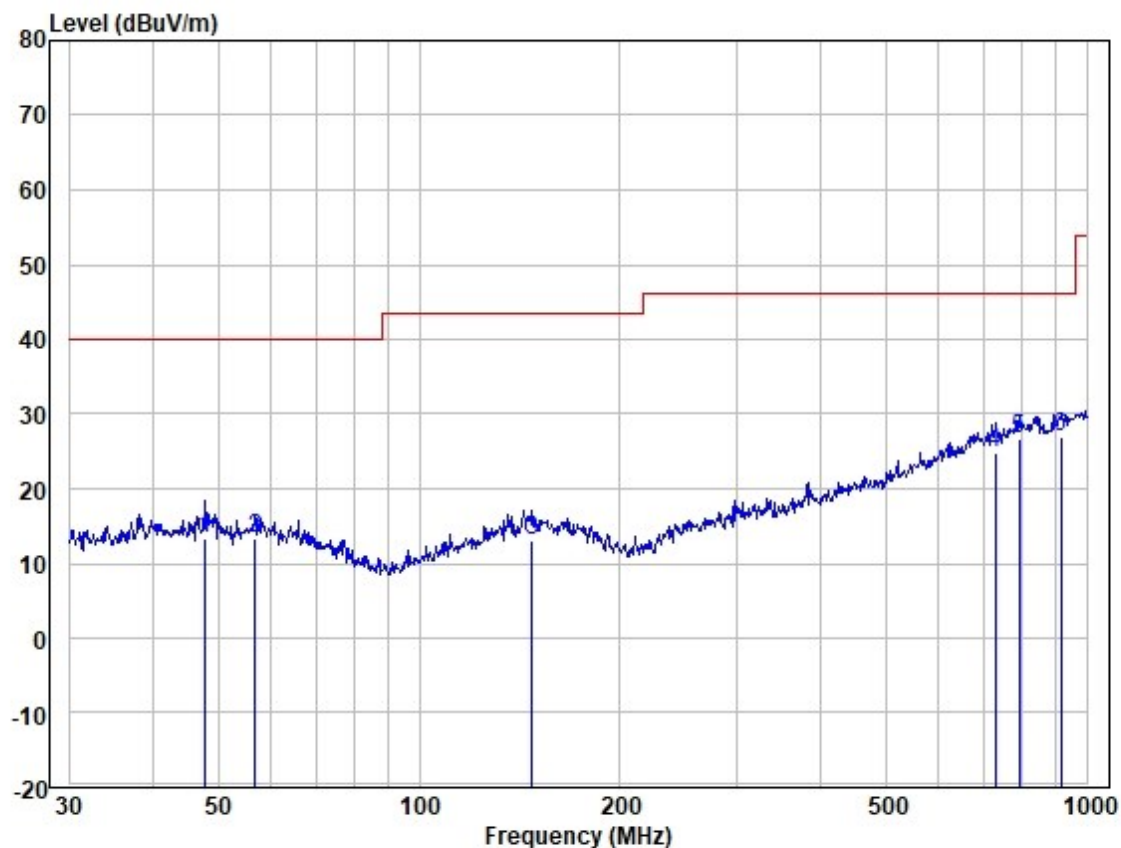
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Test Mode: 08; Polarity: Horizontal

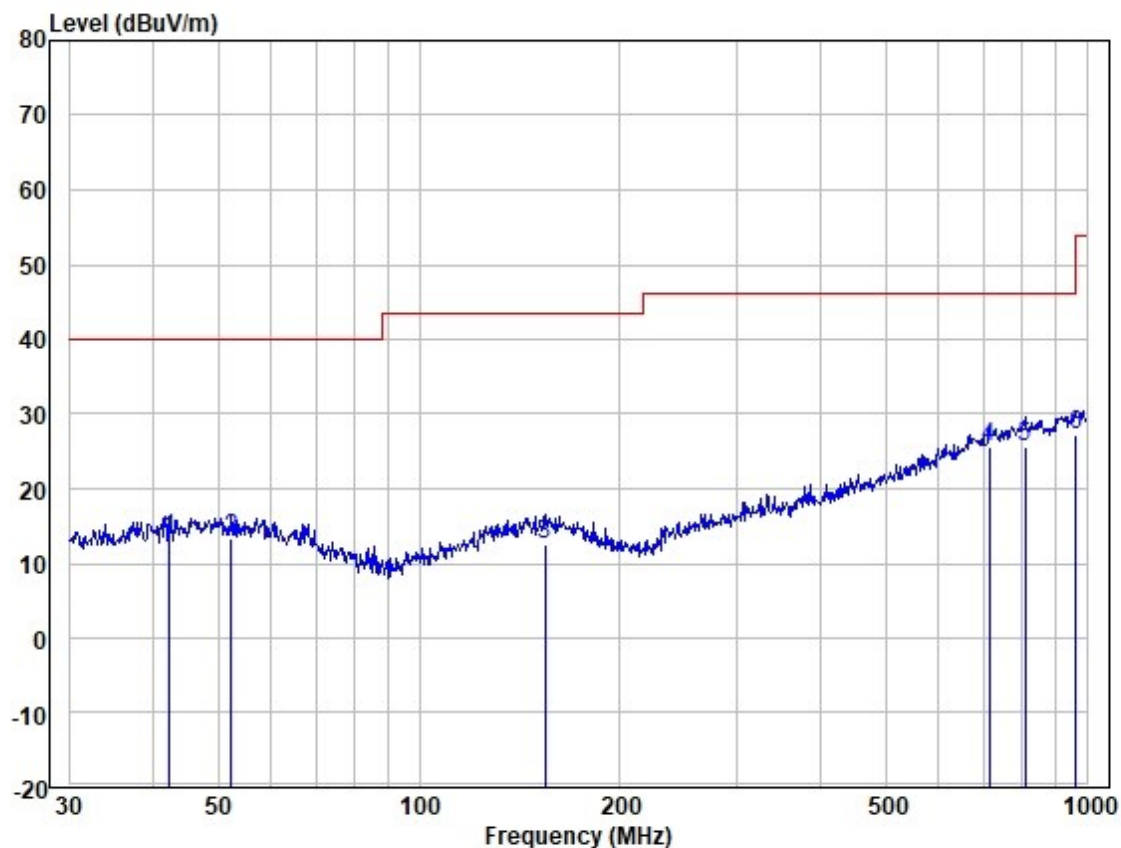


Site : 966 Chamber
Job :
Model :
Power :
Test Mode :

	Freq	Read Level	Antenna Factor	Cable Loss	Preamplifier Factor	Measured Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	47.826	26.23	19.62	0.38	32.79	13.44	40.00	-26.56	HORIZONTAL	QP
2	56.792	26.63	19.17	0.40	32.78	13.42	40.00	-26.58	HORIZONTAL	QP
3	147.404	26.22	19.03	0.66	32.75	13.16	43.52	-30.36	HORIZONTAL	QP
4	729.358	27.66	27.41	1.56	31.75	24.88	46.02	-21.14	HORIZONTAL	QP
5	790.619	28.08	28.58	1.65	31.62	26.69	46.02	-19.33	HORIZONTAL	QP
6	912.862	26.89	29.31	1.77	30.96	27.01	46.02	-19.01	HORIZONTAL	QP



Test Mode: 08; Polarity: Vertical



Site : 966 Chamber
Job :
Model :
Power :
Test Mode :

	Freq	Read Level	Antenna Factor	Cable Loss	Preamplifier Factor	Measured Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	42.302	26.24	19.47	0.36	32.78	13.29	40.00	-26.71	VERTICAL	QP
2	52.391	26.17	19.58	0.39	32.79	13.35	40.00	-26.65	VERTICAL	QP
3	154.279	25.56	19.18	0.68	32.77	12.65	43.52	-30.87	VERTICAL	QP
4	714.173	28.55	27.27	1.55	31.79	25.58	46.02	-20.44	VERTICAL	QP
5	807.429	26.57	28.89	1.66	31.60	25.52	46.02	-20.50	VERTICAL	QP
6	962.162	25.87	30.12	1.82	30.73	27.08	53.98	-26.90	VERTICAL	QP



6.2 Radiated Emissions (Above 1GHz)

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

Test Method: ANSI C63.10 (2020) Section 6.6

Test Engineer: Lin Liao

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
Above 1GHz	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.		

6.2.1 E.U.T. Operation

Operating Environment:

Temperature: 25.5 °C

Humidity: 60.6 % RH

Atmospheric Pressure: 1006 mbar

6.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with



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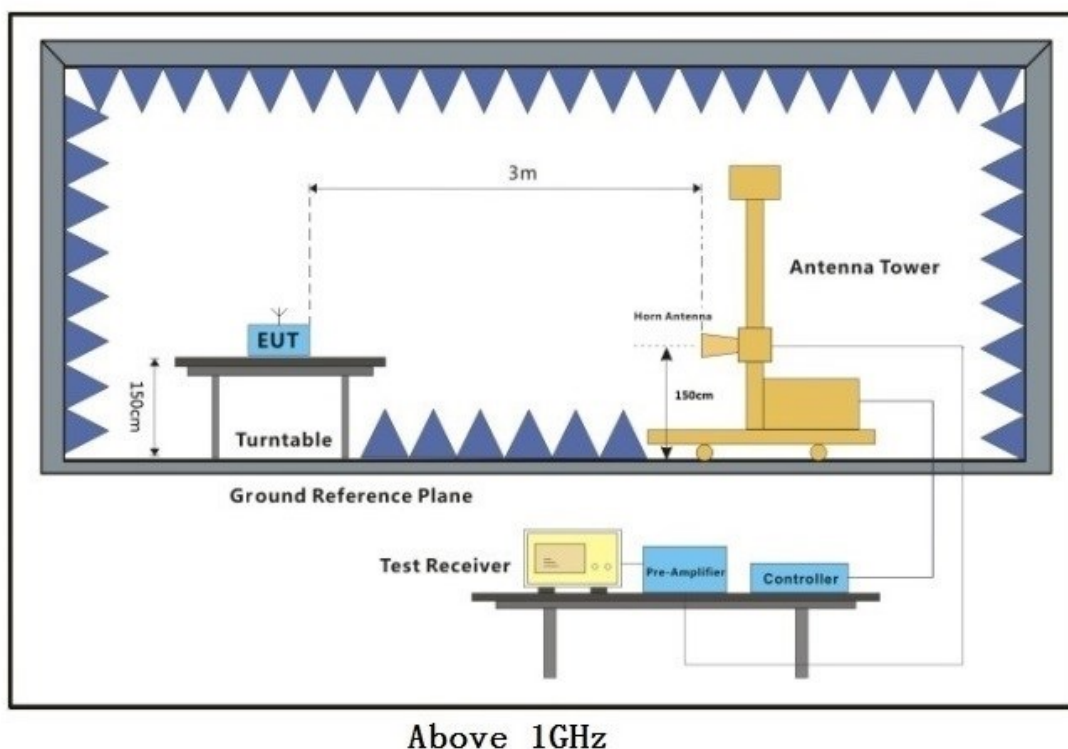
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all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.

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.

Final test 07

6.2.3 Test Setup Diagram



6.2.4 Measurement Procedure and Data

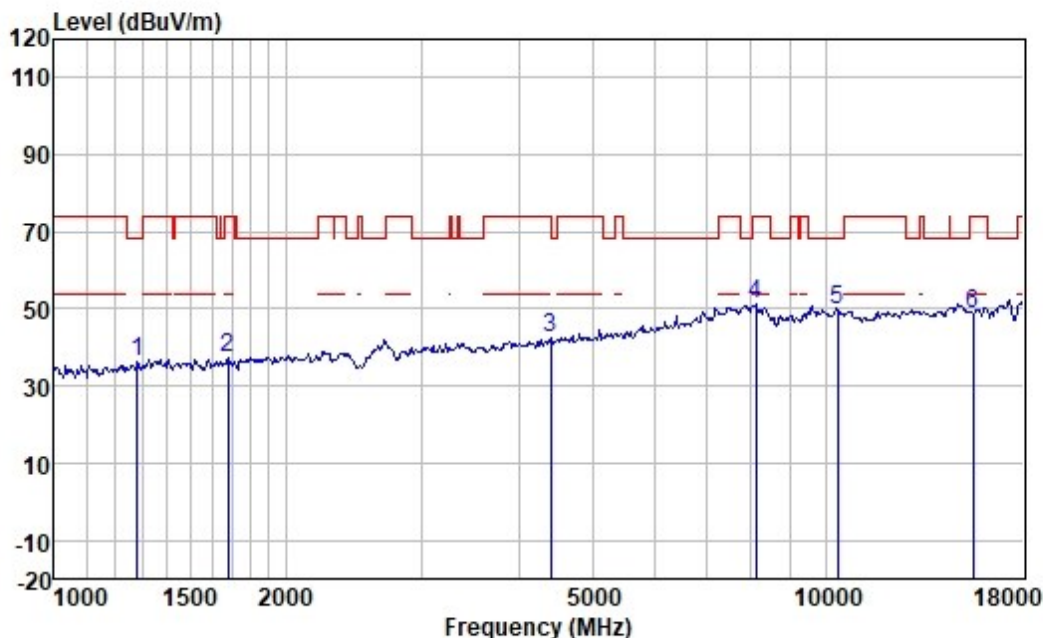
- For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- 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.
- 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.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- 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 or average method as specified and then reported in a data sheet.
- Test the EUT in the lowest channel, the middle channel, the Highest channel.
- 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.
- Repeat above procedures until all frequencies measured was complete.

Remark:

- Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.
- The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
- For devices with multiple operating modes, measurements on the middle channel is used to determine the worst-case mode(s). Only the worst case mode with the highest output power and the mode with the highest output power spectral density for each modulation family (e.g., OFDM and direct sequence spread spectrum) is recorded in the test report.
- The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.
- For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle $< 98\%$) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.



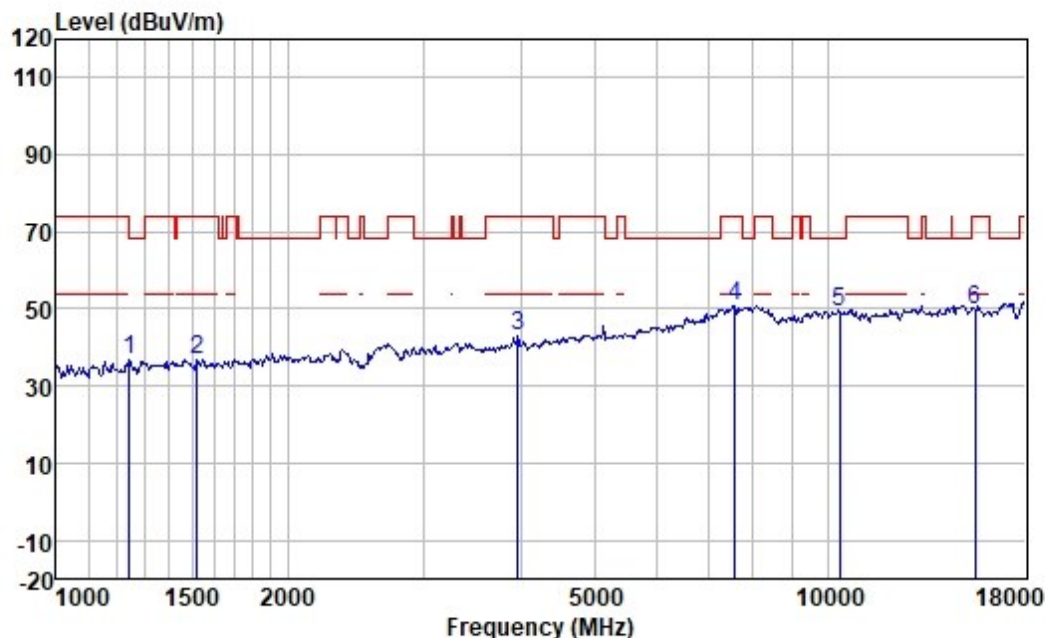
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		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1282.193	46.72	25.54	2.57	38.60	36.23	68.20	-31.97	VERTICAL	peak
2	1682.477	46.26	26.14	2.83	38.05	37.18	74.00	-36.82	VERTICAL	peak
3	4405.090	44.72	30.80	4.61	37.46	42.67	68.20	-25.53	VERTICAL	peak
4	8129.664	45.28	37.13	6.26	37.48	51.19	74.00	-22.81	VERTICAL	peak
5	10360.000	44.93	39.93	7.25	42.35	49.76	68.20	-18.44	VERTICAL	peak
6	15540.000	43.99	39.62	9.26	44.07	48.80	74.00	-25.20	VERTICAL	peak



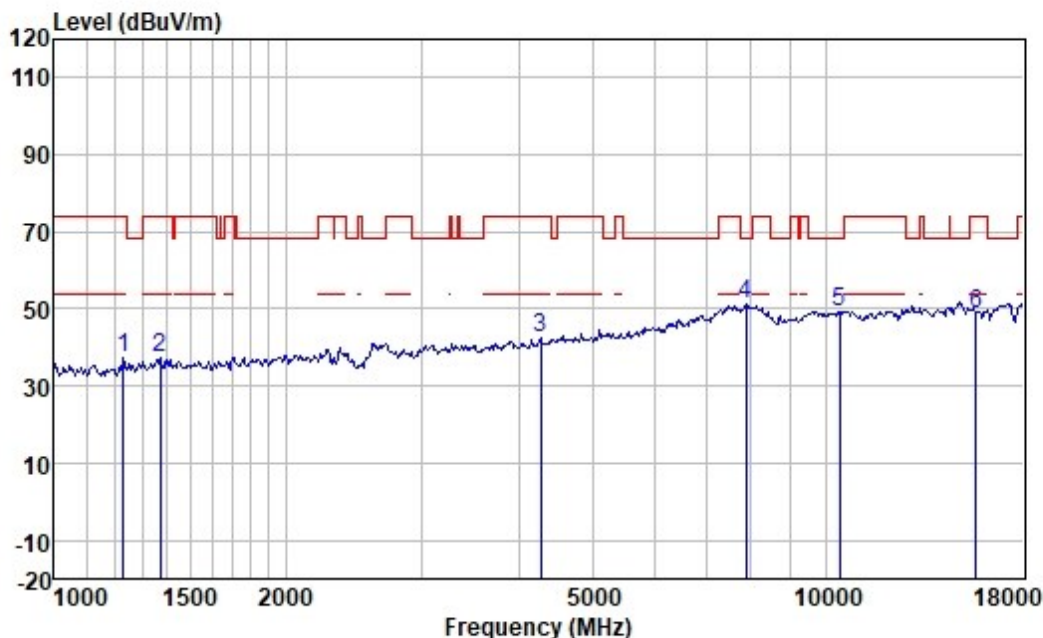
Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1245.663	47.51	25.38	2.51	38.64	36.76	68.20	-31.44	HORIZONTAL	peak
2	1525.000	46.59	25.93	2.71	38.26	36.97	74.00	-37.03	HORIZONTAL	peak
3	3969.767	46.25	29.96	4.48	37.50	43.19	74.00	-30.81	HORIZONTAL	peak
4	7584.833	45.19	36.78	6.05	37.19	50.83	74.00	-23.17	HORIZONTAL	peak
5	10360.000	44.28	39.93	7.25	42.35	49.11	68.20	-19.09	HORIZONTAL	peak
6	15540.000	44.79	39.62	9.26	44.07	49.60	74.00	-24.40	HORIZONTAL	peak



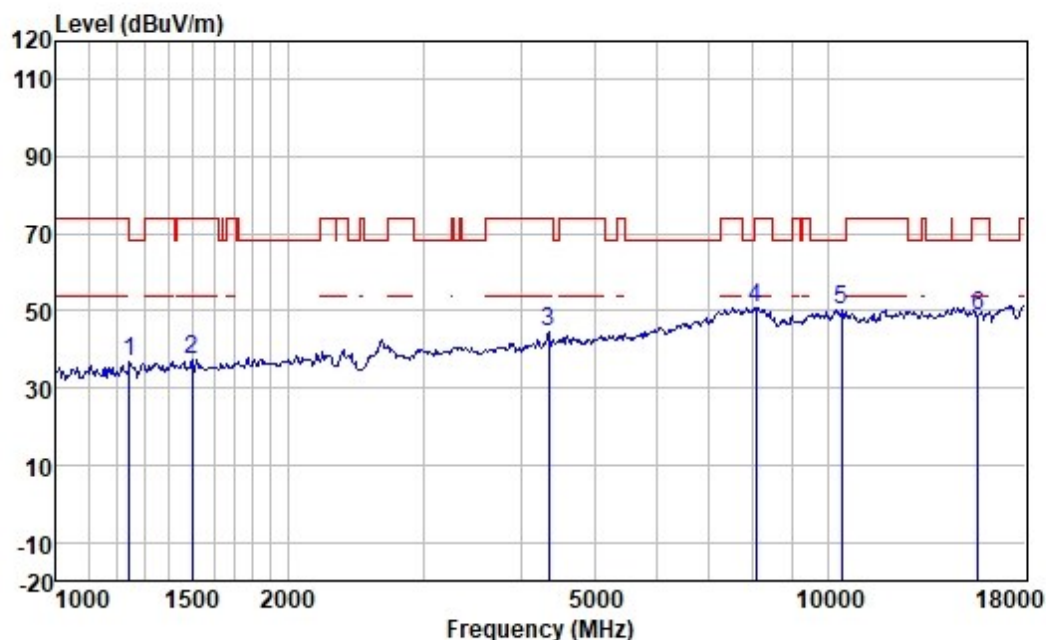
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		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1231.345	48.32	25.29	2.48	38.64	37.45	74.00	-36.55	VERTICAL	peak
2	1374.295	47.27	25.76	2.64	38.51	37.16	74.00	-36.84	VERTICAL	peak
3	4279.589	44.62	30.56	4.57	37.47	42.28	74.00	-31.72	VERTICAL	peak
4	7898.049	44.90	37.16	6.18	37.20	51.04	68.20	-17.16	VERTICAL	peak
5	10440.000	44.47	40.12	7.26	42.40	49.45	68.20	-18.75	VERTICAL	peak
6	15660.000	43.89	39.28	9.34	43.73	48.78	74.00	-25.22	VERTICAL	peak



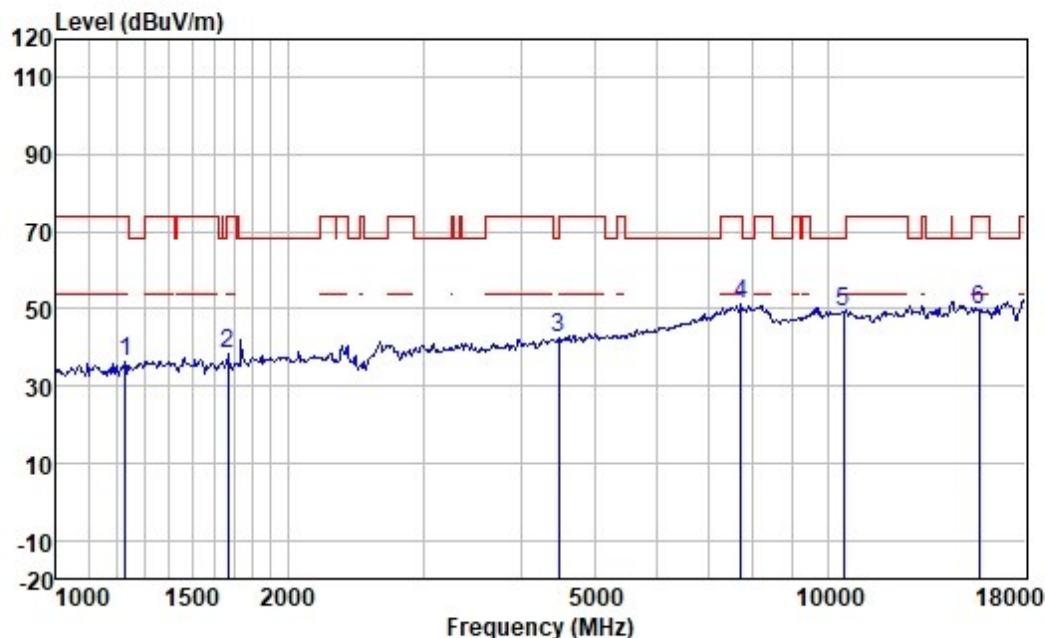
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		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1245.663	47.52	25.38	2.51	38.64	36.77	68.20	-31.43	HORIZONTAL	peak
2	1498.781	47.06	25.91	2.70	38.33	37.34	74.00	-36.66	HORIZONTAL	peak
3	4354.454	46.69	30.72	4.60	37.46	44.55	74.00	-29.45	HORIZONTAL	peak
4	8082.804	44.95	37.17	6.24	37.39	50.97	74.00	-23.03	HORIZONTAL	peak
5	10440.000	45.49	40.12	7.26	42.40	50.47	68.20	-17.73	HORIZONTAL	peak
6	15660.000	43.99	39.28	9.34	43.73	48.88	74.00	-25.12	HORIZONTAL	peak



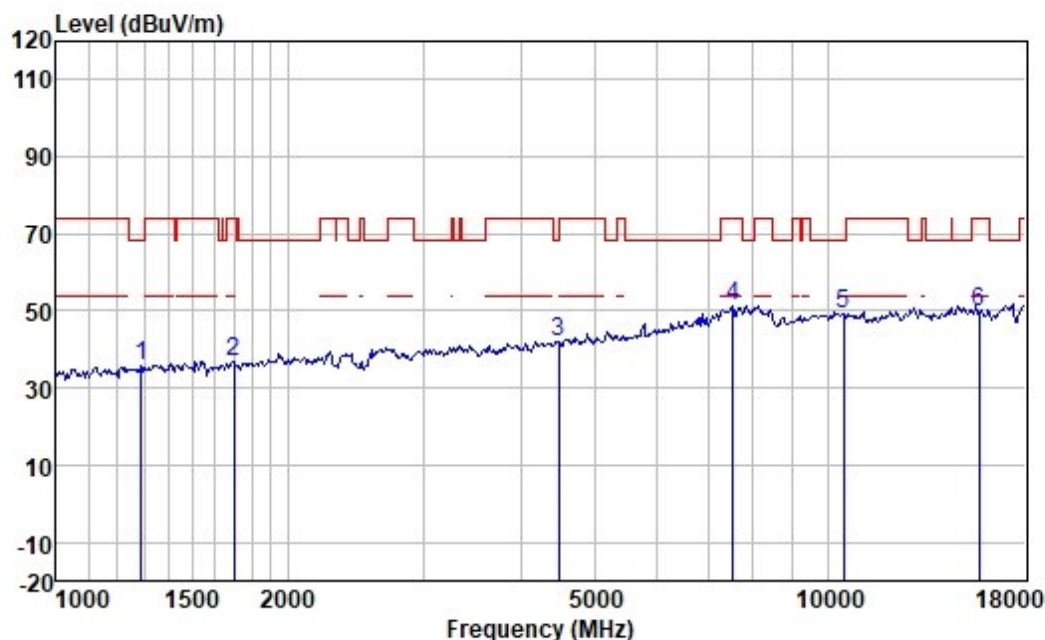
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		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1231.345	46.94	25.29	2.48	38.64	36.07	74.00	-37.93	VERTICAL	peak
2	1672.779	47.44	26.12	2.82	38.05	38.33	74.00	-35.67	VERTICAL	peak
3	4482.150	44.21	30.90	4.62	37.44	42.29	68.20	-25.91	VERTICAL	peak
4	7717.518	45.37	36.94	6.10	37.19	51.22	74.00	-22.78	VERTICAL	peak
5	10480.000	44.12	40.18	7.26	42.45	49.11	68.20	-19.09	VERTICAL	peak
6	15720.000	44.83	39.15	9.38	43.59	49.77	74.00	-24.23	VERTICAL	peak



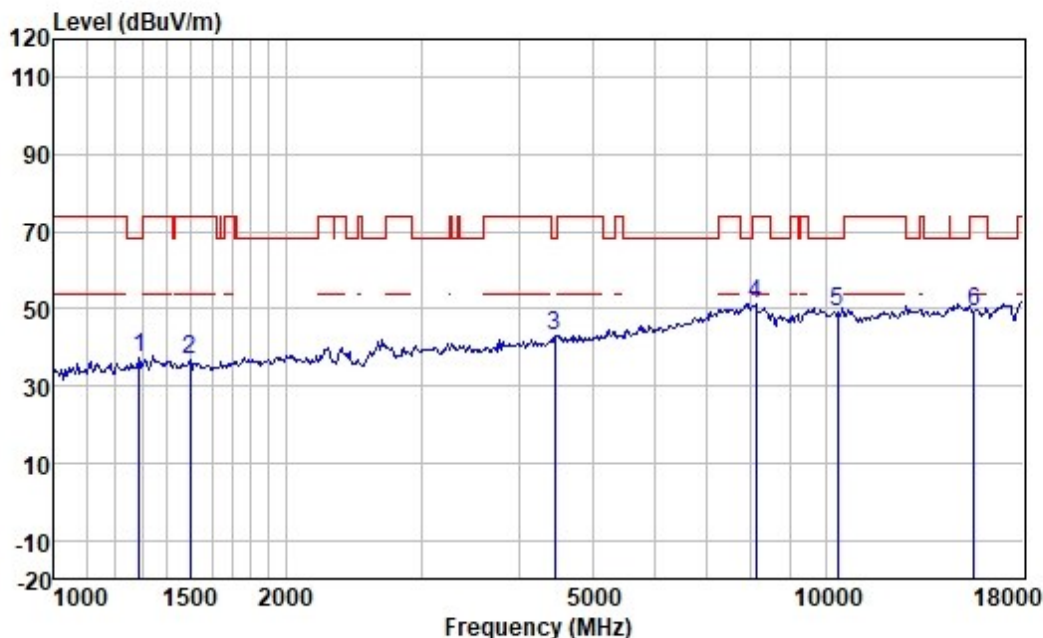
Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



		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	1289.627	46.29	25.56	2.58	38.60	35.83	68.20	-32.37	HORIZONTAL	peak
2	1702.042	45.97	26.18	2.85	38.03	36.97	74.00	-37.03	HORIZONTAL	peak
3	4482.150	43.98	30.90	4.62	37.44	42.06	68.20	-26.14	HORIZONTAL	peak
4	7541.114	45.69	36.75	6.04	37.19	51.29	74.00	-22.71	HORIZONTAL	peak
5	10480.000	44.15	40.18	7.26	42.45	49.14	68.20	-19.06	HORIZONTAL	peak
6	15720.000	44.55	39.15	9.38	43.59	49.49	74.00	-24.51	HORIZONTAL	peak



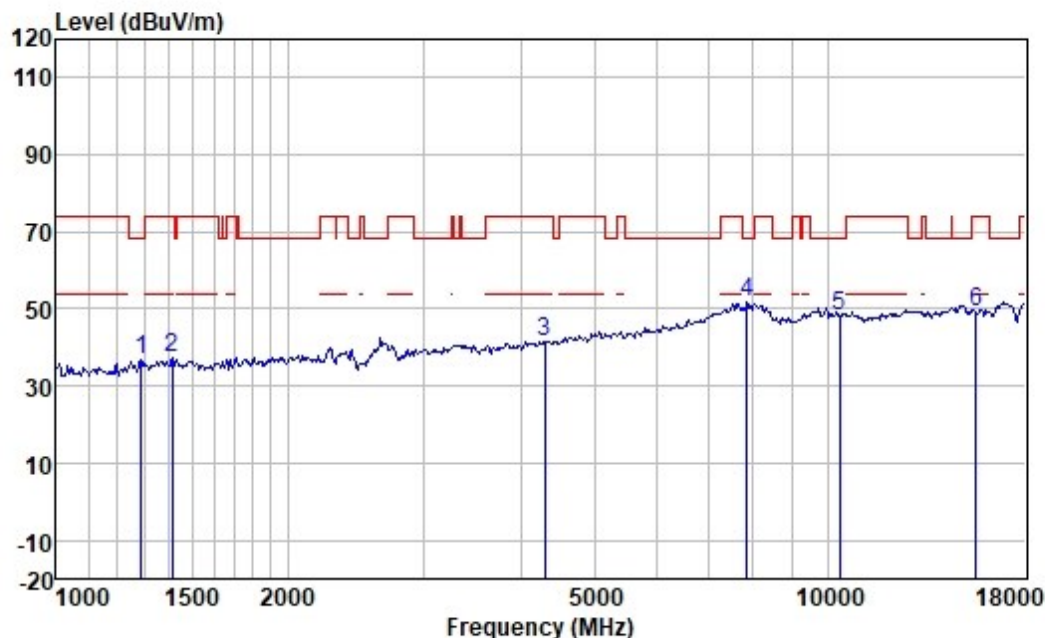
Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1289.627	47.75	25.56	2.58	38.60	37.29	68.20	-30.91	VERTICAL	peak
2	1498.781	46.42	25.91	2.70	38.33	36.70	74.00	-37.30	VERTICAL	peak
3	4456.315	44.90	30.87	4.61	37.45	42.93	68.20	-25.27	VERTICAL	peak
4	8129.664	45.32	37.13	6.26	37.48	51.23	74.00	-22.77	VERTICAL	peak
5	10380.000	44.26	40.00	7.25	42.36	49.15	68.20	-19.05	VERTICAL	peak
6	15570.000	44.17	39.52	9.29	43.95	49.03	74.00	-24.97	VERTICAL	peak



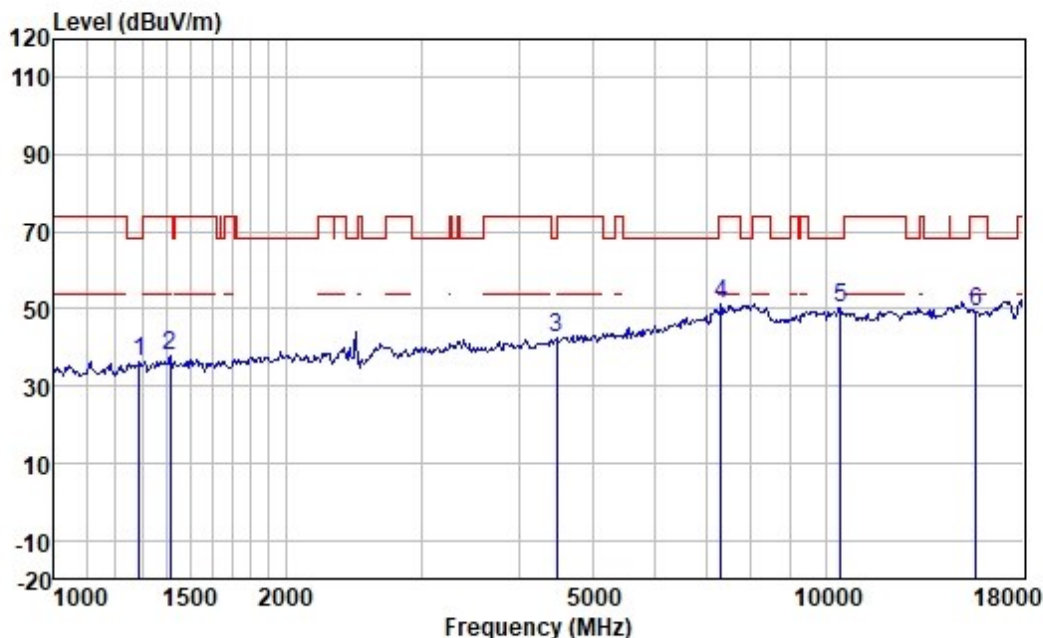
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		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1289.627	47.43	25.56	2.58	38.60	36.97	68.20	-31.23	HORIZONTAL	peak
2	1414.597	47.21	25.82	2.67	38.47	37.23	74.00	-36.77	HORIZONTAL	peak
3	4304.400	43.99	30.62	4.58	37.47	41.72	74.00	-32.28	HORIZONTAL	peak
4	7852.524	45.51	37.11	6.16	37.20	51.58	68.20	-16.62	HORIZONTAL	peak
5	10380.000	43.35	40.00	7.25	42.36	48.24	68.20	-19.96	HORIZONTAL	peak
6	15570.000	44.23	39.52	9.29	43.95	49.09	74.00	-24.91	HORIZONTAL	peak



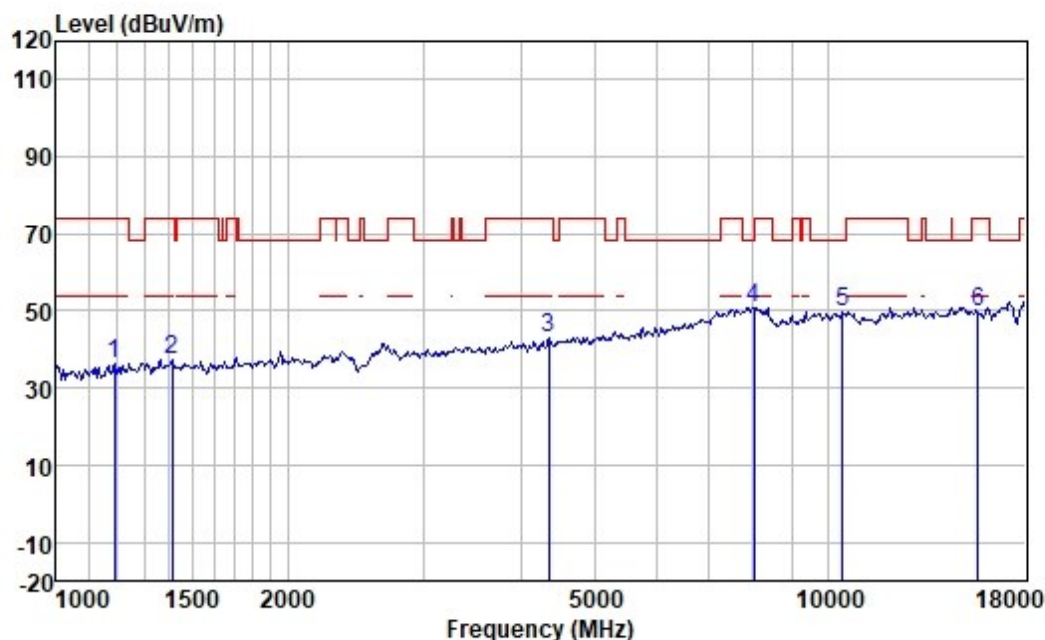
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		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1289.627	46.56	25.56	2.58	38.60	36.10	68.20	-32.10	VERTICAL	peak
2	1414.597	47.73	25.82	2.67	38.47	37.75	74.00	-36.25	VERTICAL	peak
3	4482.150	44.29	30.90	4.62	37.44	42.37	68.20	-25.83	VERTICAL	peak
4	7326.267	46.12	36.29	5.98	37.18	51.21	74.00	-22.79	VERTICAL	peak
5	10460.000	45.17	40.12	7.26	42.42	50.13	68.20	-18.07	VERTICAL	peak
6	15690.000	44.36	39.28	9.34	43.65	49.33	74.00	-24.67	VERTICAL	peak



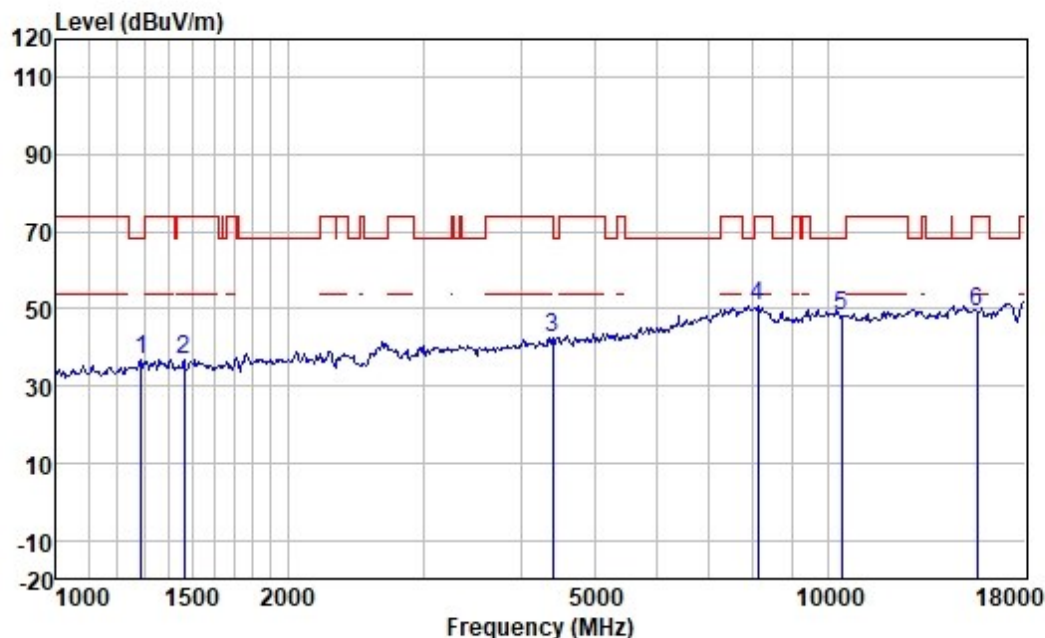
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		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1189.368	47.71	25.00	2.37	38.68	36.40	74.00	-37.60	HORIZONTAL	peak
2	1414.597	47.16	25.82	2.67	38.47	37.18	74.00	-36.82	HORIZONTAL	peak
3	4354.454	45.06	30.72	4.60	37.46	42.92	74.00	-31.08	HORIZONTAL	peak
4	8036.214	44.74	37.20	6.22	37.27	50.89	74.00	-23.11	HORIZONTAL	peak
5	10460.000	44.59	40.12	7.26	42.42	49.55	68.20	-18.65	HORIZONTAL	peak
6	15690.000	44.62	39.28	9.34	43.65	49.59	74.00	-24.41	HORIZONTAL	peak



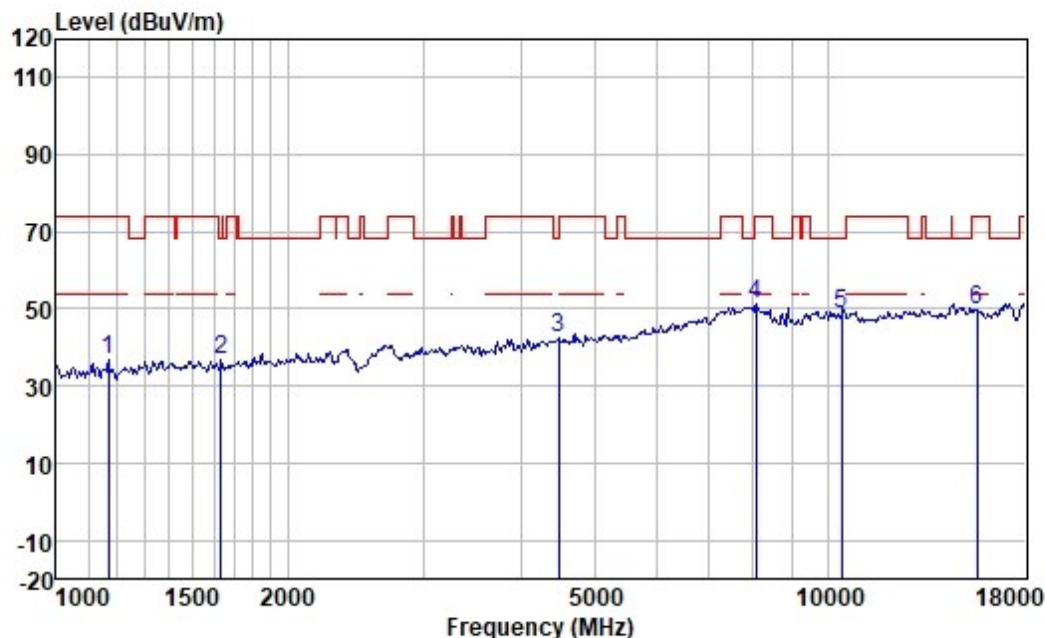
Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz



		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	1289.627	47.15	25.56	2.58	38.60	36.69	68.20	-31.51	VERTICAL	peak
2	1464.522	46.73	25.88	2.69	38.39	36.91	74.00	-37.09	VERTICAL	peak
3	4405.090	44.61	30.80	4.61	37.46	42.56	68.20	-25.64	VERTICAL	peak
4	8129.664	45.09	37.13	6.26	37.48	51.00	74.00	-23.00	VERTICAL	peak
5	10420.000	43.13	40.06	7.25	42.39	48.05	68.20	-20.15	VERTICAL	peak
6	15630.000	44.37	39.40	9.32	43.77	49.32	74.00	-24.68	VERTICAL	peak



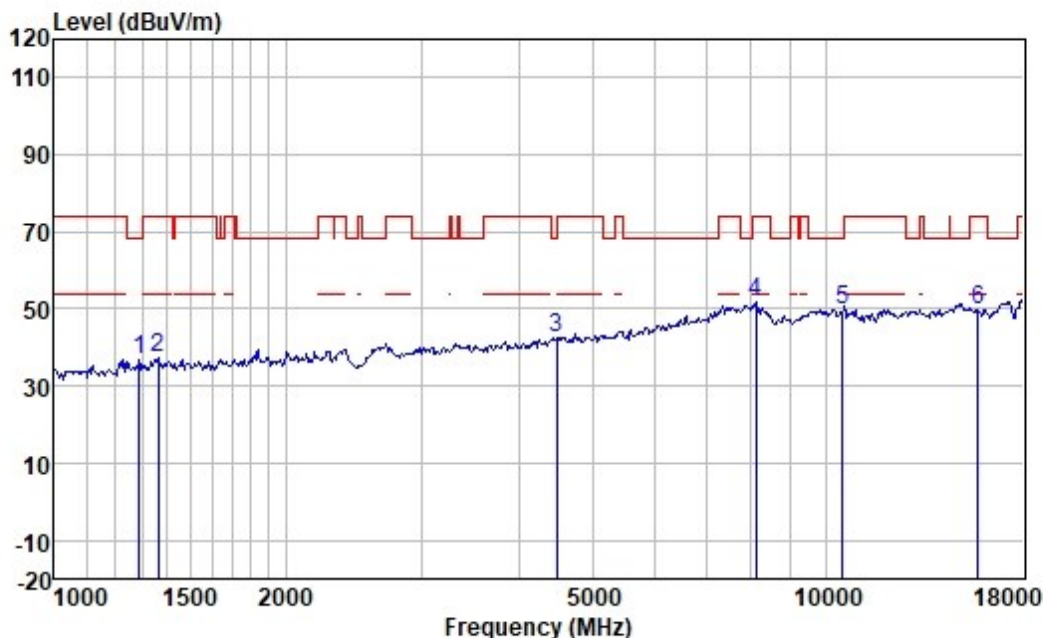
Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz



		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	1168.920	48.52	24.91	2.34	38.70	37.07	74.00	-36.93	HORIZONTAL	peak
2	1634.543	46.29	26.05	2.78	38.11	37.01	68.20	-31.19	HORIZONTAL	peak
3	4482.150	44.35	30.90	4.62	37.44	42.43	68.20	-25.77	HORIZONTAL	peak
4	8082.804	45.06	37.17	6.24	37.39	51.08	74.00	-22.92	HORIZONTAL	peak
5	10420.000	43.90	40.06	7.25	42.39	48.82	68.20	-19.38	HORIZONTAL	peak
6	15630.000	44.79	39.40	9.32	43.77	49.74	74.00	-24.26	HORIZONTAL	peak



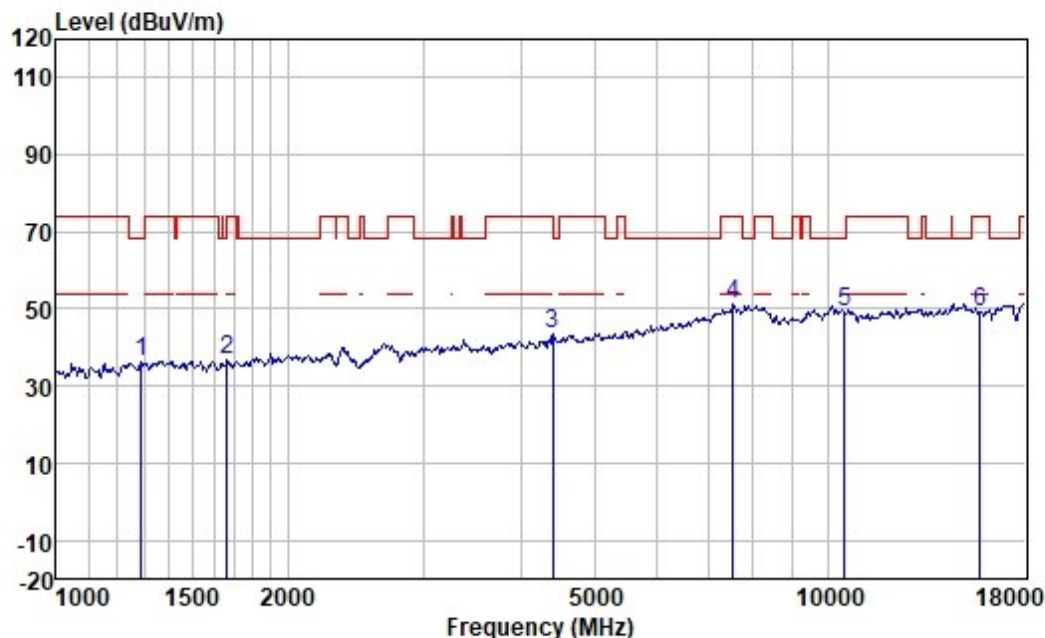
Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1289.627	47.50	25.56	2.58	38.60	37.04	68.20	-31.16	VERTICAL	peak
2	1366.374	47.47	25.74	2.64	38.51	37.34	74.00	-36.66	VERTICAL	peak
3	4482.150	44.51	30.90	4.62	37.44	42.59	68.20	-25.61	VERTICAL	peak
4	8129.664	46.07	37.13	6.26	37.48	51.98	74.00	-22.02	VERTICAL	peak
5	10520.000	44.80	40.23	7.26	42.48	49.81	68.20	-18.39	VERTICAL	peak
6	15780.000	44.65	39.01	9.41	43.50	49.57	74.00	-24.43	VERTICAL	peak



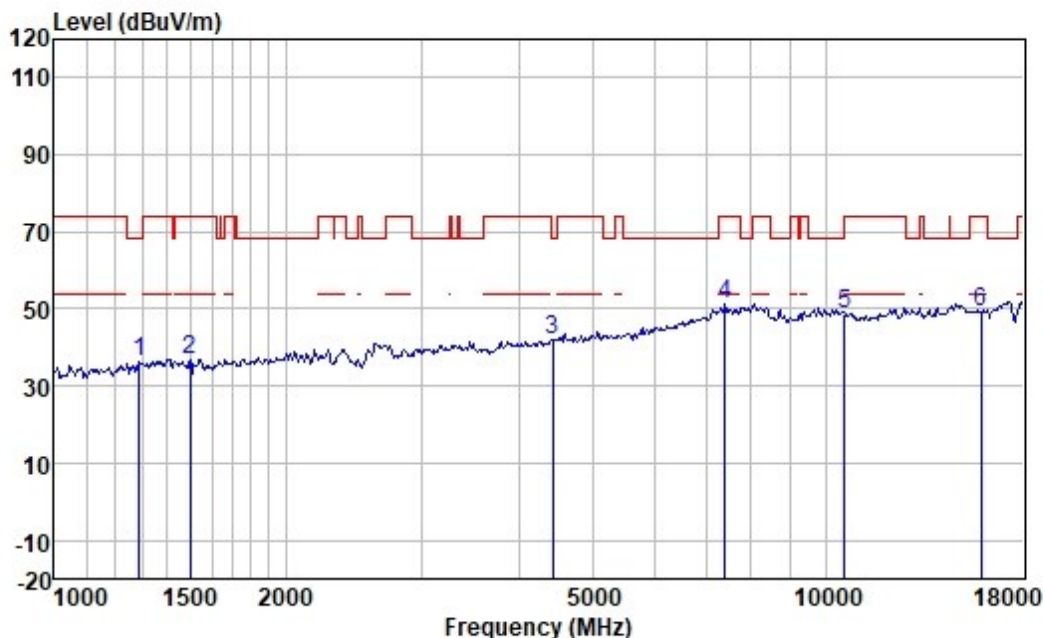
Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



		ReadAntenna	Cable	Preamp		Limit	Over			
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1289.627	46.94	25.56	2.58	38.60	36.48	68.20	-31.72	HORIZONTAL	peak
2	1663.137	45.74	26.10	2.81	38.06	36.59	74.00	-37.41	HORIZONTAL	peak
3	4405.090	45.76	30.80	4.61	37.46	43.71	68.20	-24.49	HORIZONTAL	peak
4	7541.114	45.78	36.75	6.04	37.19	51.38	74.00	-22.62	HORIZONTAL	peak
5	10520.000	44.47	40.23	7.26	42.48	49.48	68.20	-18.72	HORIZONTAL	peak
6	15780.000	44.30	39.01	9.41	43.50	49.22	74.00	-24.78	HORIZONTAL	peak



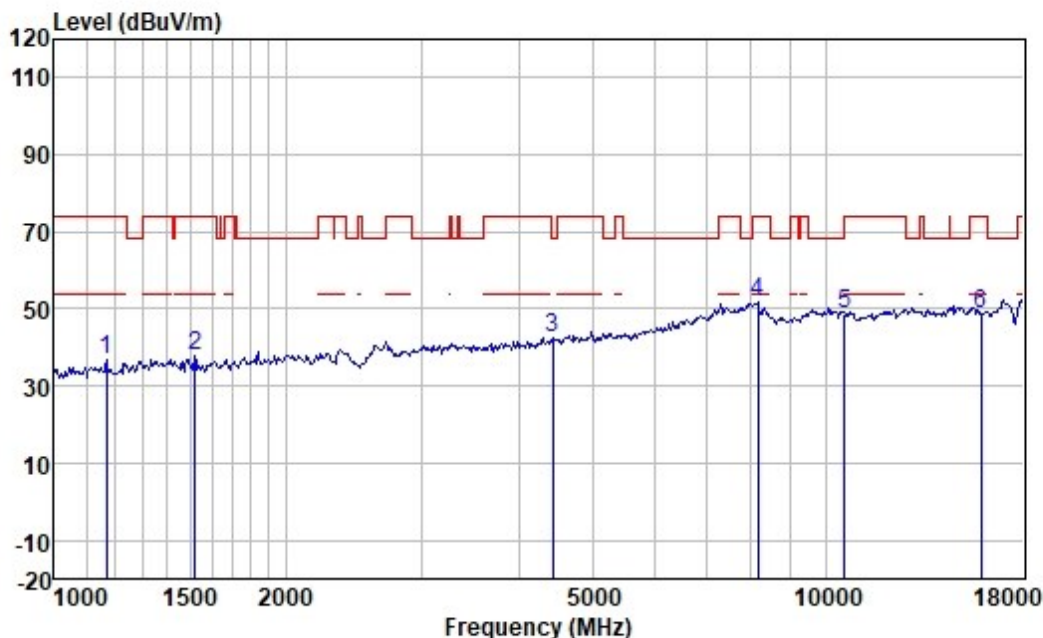
Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



		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	46.67	25.56	2.58	38.60	36.21	68.20	-31.99	VERTICAL	peak
2	1498.781	46.55	25.91	2.70	38.33	36.83	74.00	-37.17	VERTICAL	peak
3	4430.628	44.22	30.83	4.61	37.45	42.21	68.20	-25.99	VERTICAL	peak
4	7411.461	45.89	36.52	6.01	37.18	51.24	74.00	-22.76	VERTICAL	peak
5	10600.000	43.48	40.30	7.30	42.55	48.53	68.20	-19.67	VERTICAL	peak
6	15900.000	44.31	38.54	9.52	43.32	49.05	74.00	-24.95	VERTICAL	peak



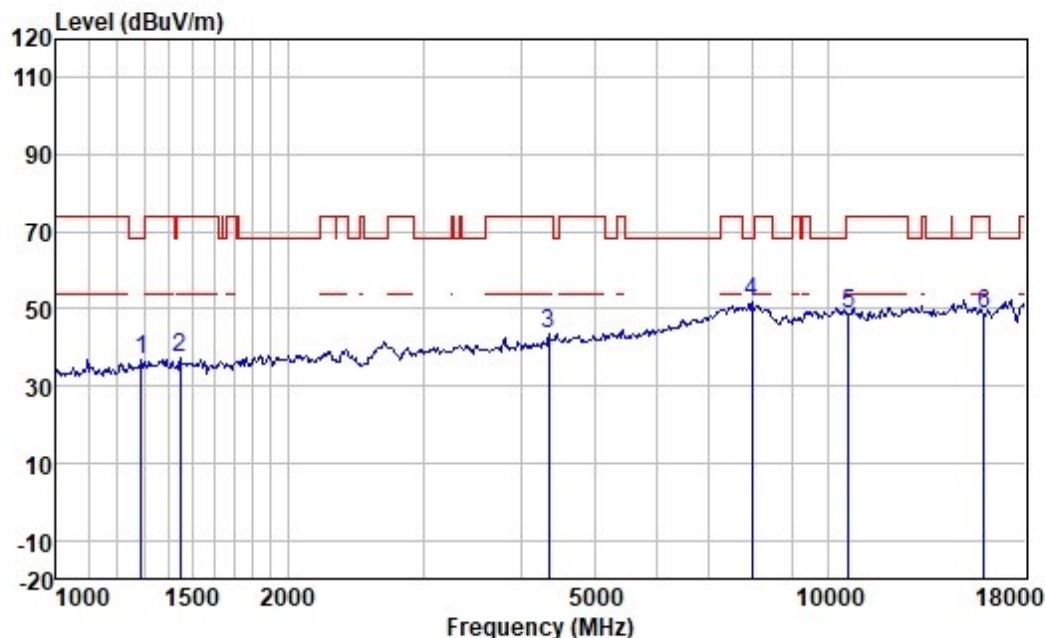
Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



		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	1168.920	48.06	24.91	2.34	38.70	36.61	74.00	-37.39	HORIZONTAL	peak
2	1525.000	47.70	25.93	2.71	38.26	38.08	74.00	-35.92	HORIZONTAL	peak
3	4430.628	44.47	30.83	4.61	37.45	42.46	68.20	-25.74	HORIZONTAL	peak
4	8176.795	45.86	37.09	6.29	37.62	51.62	74.00	-22.38	HORIZONTAL	peak
5	10600.000	43.58	40.30	7.30	42.55	48.63	68.20	-19.57	HORIZONTAL	peak
6	15900.000	43.77	38.54	9.52	43.32	48.51	74.00	-25.49	HORIZONTAL	peak



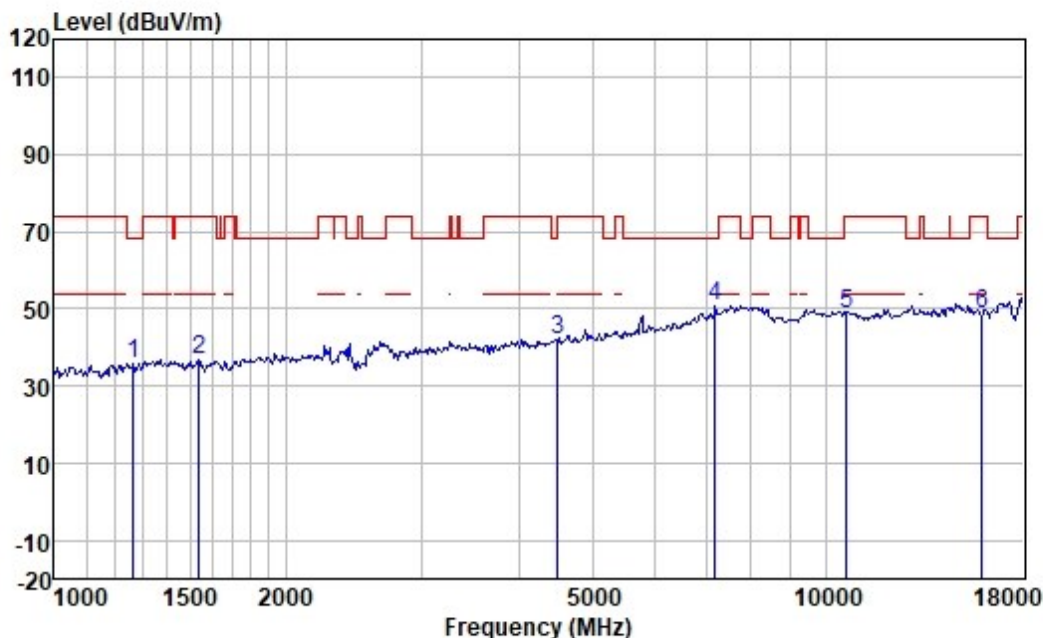
Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



		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	1289.627	47.09	25.56	2.58	38.60	36.63	68.20	-31.57	VERTICAL	peak
2	1447.688	47.18	25.86	2.68	38.42	37.30	74.00	-36.70	VERTICAL	peak
3	4354.454	45.73	30.72	4.60	37.46	43.59	74.00	-30.41	VERTICAL	peak
4	7989.893	45.47	37.23	6.20	37.20	51.70	68.20	-16.50	VERTICAL	peak
5	10640.000	43.80	40.33	7.32	42.57	48.88	74.00	-25.12	VERTICAL	peak
6	15960.000	44.03	38.41	9.55	43.24	48.75	74.00	-25.25	VERTICAL	peak



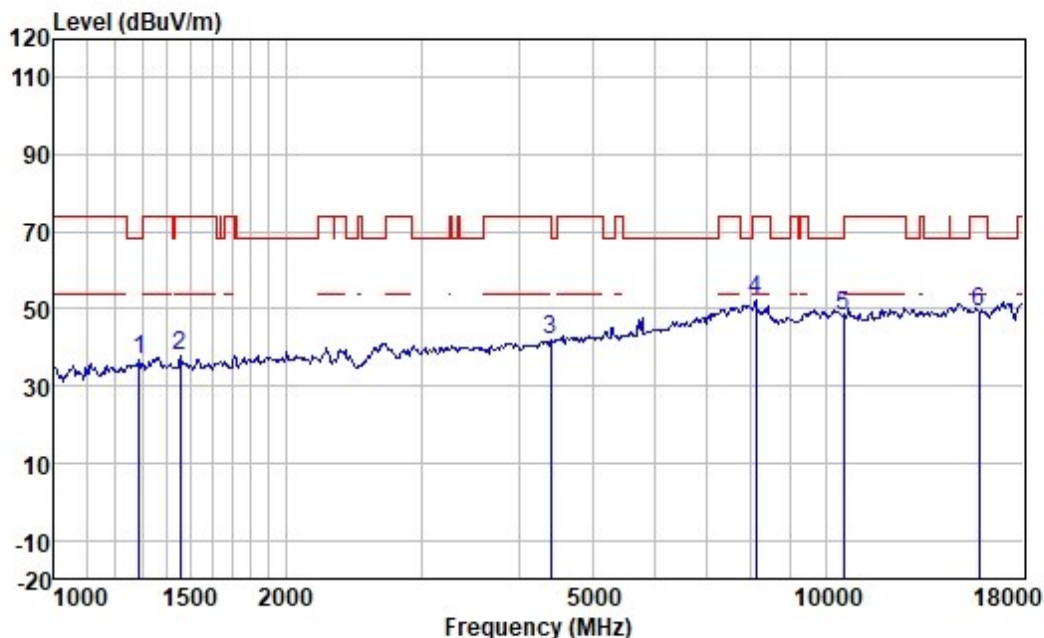
Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



		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	1267.454	46.27	25.48	2.55	38.62	35.68	68.20	-32.52	HORIZONTAL	peak
2	1542.733	46.51	25.95	2.72	38.23	36.95	74.00	-37.05	HORIZONTAL	peak
3	4495.125	44.13	30.91	4.62	37.44	42.22	68.20	-25.98	HORIZONTAL	peak
4	7200.309	46.38	35.80	5.93	37.17	50.94	68.20	-17.26	HORIZONTAL	peak
5	10640.000	43.73	40.33	7.32	42.57	48.81	74.00	-25.19	HORIZONTAL	peak
6	15960.000	44.17	38.41	9.55	43.24	48.89	74.00	-25.11	HORIZONTAL	peak



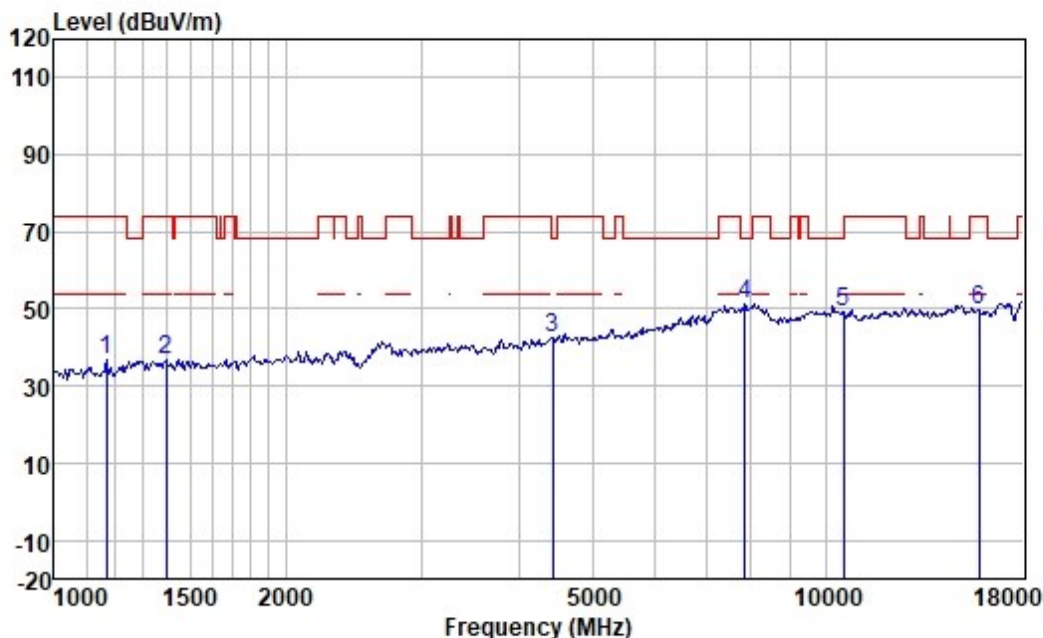
Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1289.627	47.28	25.56	2.58	38.60	36.82	68.20	-31.38	VERTICAL	peak
2	1456.081	47.47	25.87	2.68	38.39	37.63	74.00	-36.37	VERTICAL	peak
3	4405.090	44.03	30.80	4.61	37.46	41.98	68.20	-26.22	VERTICAL	peak
4	8129.664	46.28	37.13	6.26	37.48	52.19	74.00	-21.81	VERTICAL	peak
5	10540.000	43.36	40.25	7.27	42.50	48.38	68.20	-19.82	VERTICAL	peak
6	15810.000	44.45	38.84	9.45	43.44	49.30	74.00	-24.70	VERTICAL	peak



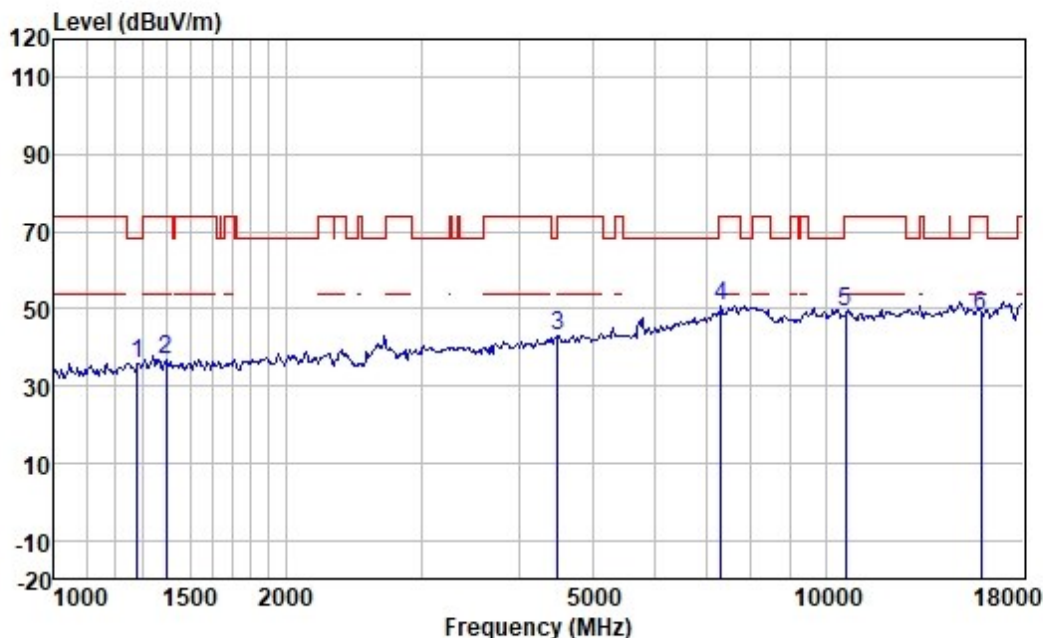
Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



		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	1168.920	48.27	24.91	2.34	38.70	36.82	74.00	-37.18	HORIZONTAL	peak
2	1398.336	46.83	25.79	2.66	38.49	36.79	74.00	-37.21	HORIZONTAL	peak
3	4430.628	44.47	30.83	4.61	37.45	42.46	68.20	-25.74	HORIZONTAL	peak
4	7852.524	45.37	37.11	6.16	37.20	51.44	68.20	-16.76	HORIZONTAL	peak
5	10540.000	44.04	40.25	7.27	42.50	49.06	68.20	-19.14	HORIZONTAL	peak
6	15810.000	44.69	38.84	9.45	43.44	49.54	74.00	-24.46	HORIZONTAL	peak



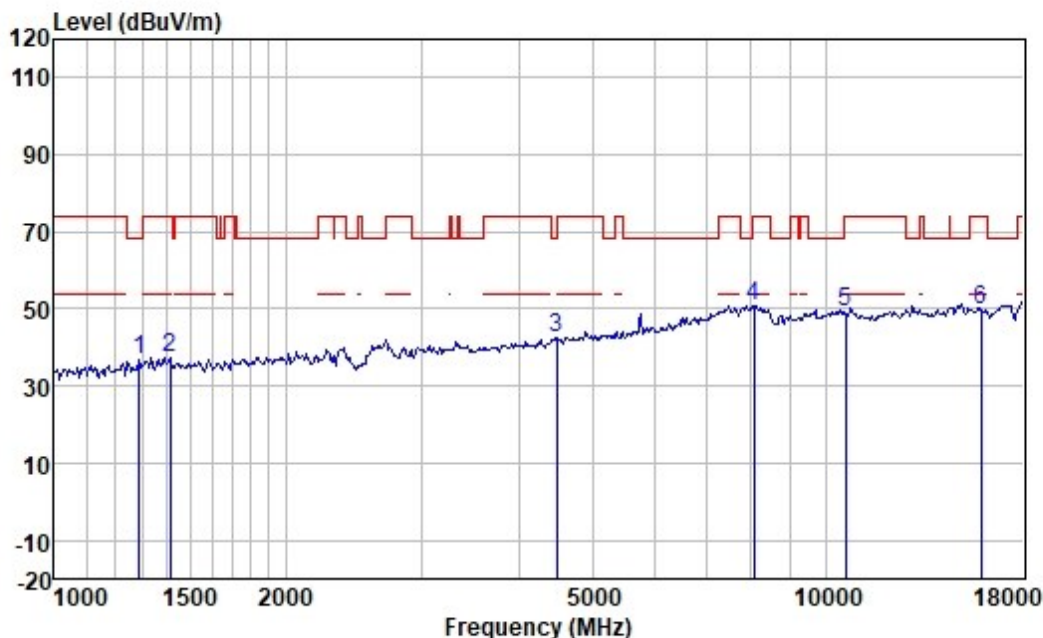
Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



		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	1282.193	46.43	25.54	2.57	38.60	35.94	68.20	-32.26	VERTICAL	peak
2	1398.336	47.07	25.79	2.66	38.49	37.03	74.00	-36.97	VERTICAL	peak
3	4495.125	44.82	30.91	4.62	37.44	42.91	68.20	-25.29	VERTICAL	peak
4	7326.267	45.90	36.29	5.98	37.18	50.99	74.00	-23.01	VERTICAL	peak
5	10620.000	44.24	40.30	7.30	42.56	49.28	74.00	-24.72	VERTICAL	peak
6	15930.000	43.60	38.41	9.55	43.28	48.28	74.00	-25.72	VERTICAL	peak



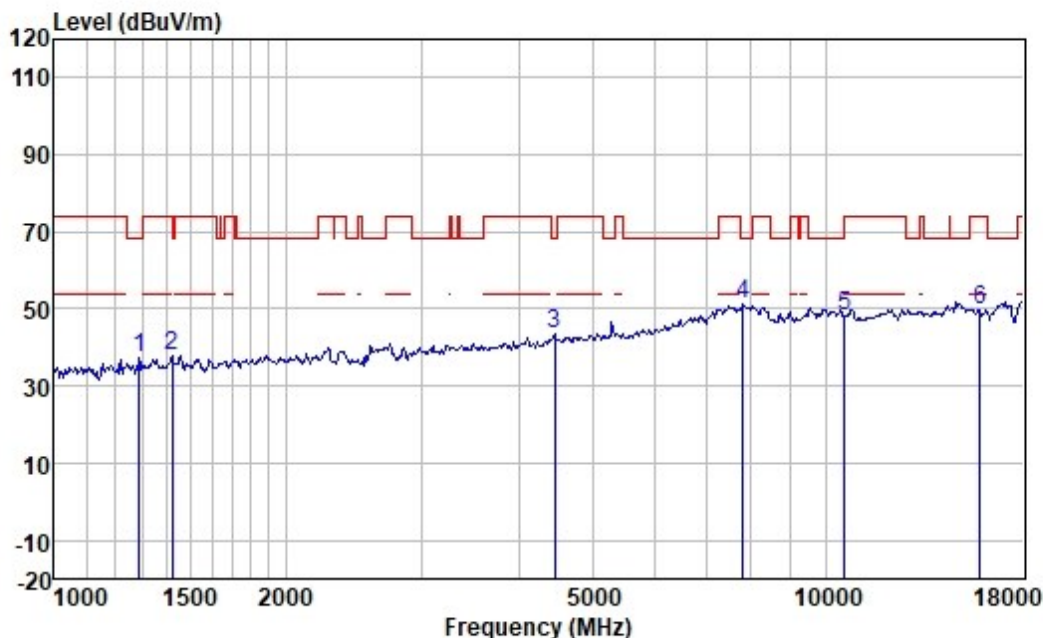
Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



		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	1289.627	47.38	25.56	2.58	38.60	36.92	68.20	-31.28	HORIZONTAL	peak
2	1414.597	47.18	25.82	2.67	38.47	37.20	74.00	-36.80	HORIZONTAL	peak
3	4482.150	44.60	30.90	4.62	37.44	42.68	68.20	-25.52	HORIZONTAL	peak
4	8082.804	44.95	37.17	6.24	37.39	50.97	74.00	-23.03	HORIZONTAL	peak
5	10620.000	44.07	40.30	7.30	42.56	49.11	74.00	-24.89	HORIZONTAL	peak
6	15930.000	44.84	38.41	9.55	43.28	49.52	74.00	-24.48	HORIZONTAL	peak



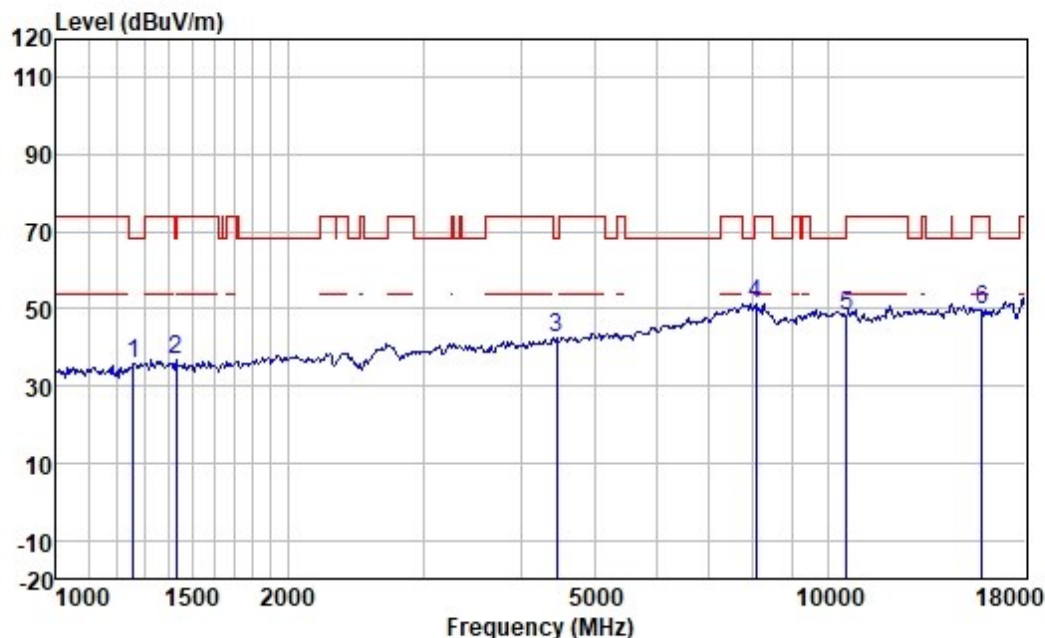
Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz



		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	1289.627	47.64	25.56	2.58	38.60	37.18	68.20	-31.02	VERTICAL	peak
2	1422.798	47.91	25.83	2.67	38.45	37.96	74.00	-36.04	VERTICAL	peak
3	4456.315	45.51	30.87	4.61	37.45	43.54	68.20	-24.66	VERTICAL	peak
4	7807.262	45.04	37.06	6.15	37.20	51.05	68.20	-17.15	VERTICAL	peak
5	10580.000	43.28	40.28	7.29	42.53	48.32	68.20	-19.88	VERTICAL	peak
6	15870.000	44.73	38.68	9.49	43.35	49.55	74.00	-24.45	VERTICAL	peak



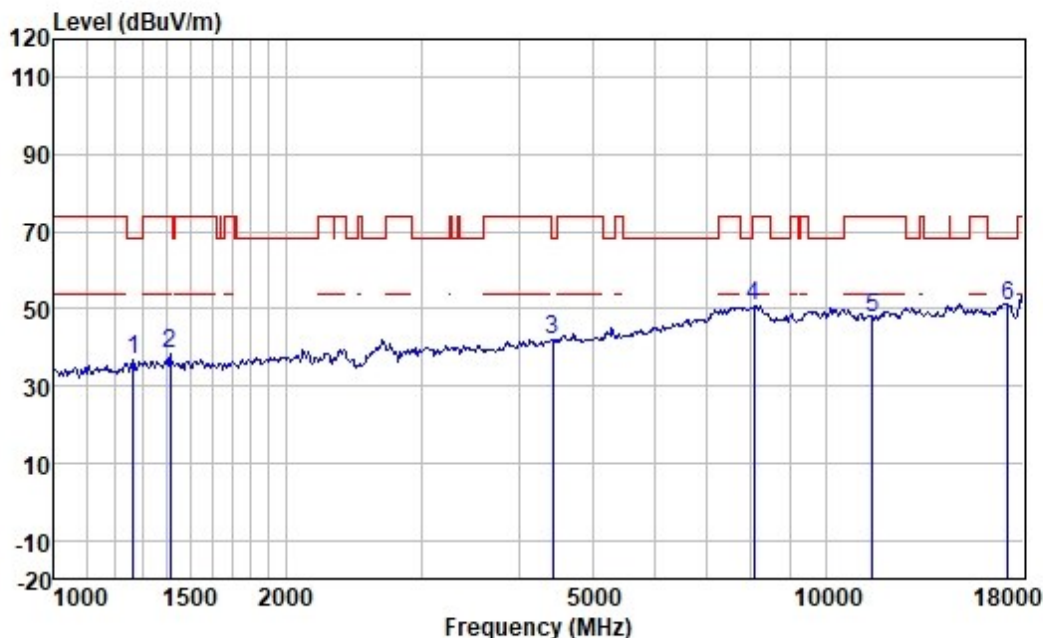
Test Mode: 05; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz



		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	1260.149	46.69	25.45	2.54	38.63	36.05	68.20	-32.15	HORIZONTAL	peak
2	1431.047	46.55	25.84	2.67	38.45	36.61	68.20	-31.59	HORIZONTAL	peak
3	4456.315	44.36	30.87	4.61	37.45	42.39	68.20	-25.81	HORIZONTAL	peak
4	8082.804	45.27	37.17	6.24	37.39	51.29	74.00	-22.71	HORIZONTAL	peak
5	10580.000	43.18	40.28	7.29	42.53	48.22	68.20	-19.98	HORIZONTAL	peak
6	15870.000	44.93	38.68	9.49	43.35	49.75	74.00	-24.25	HORIZONTAL	peak



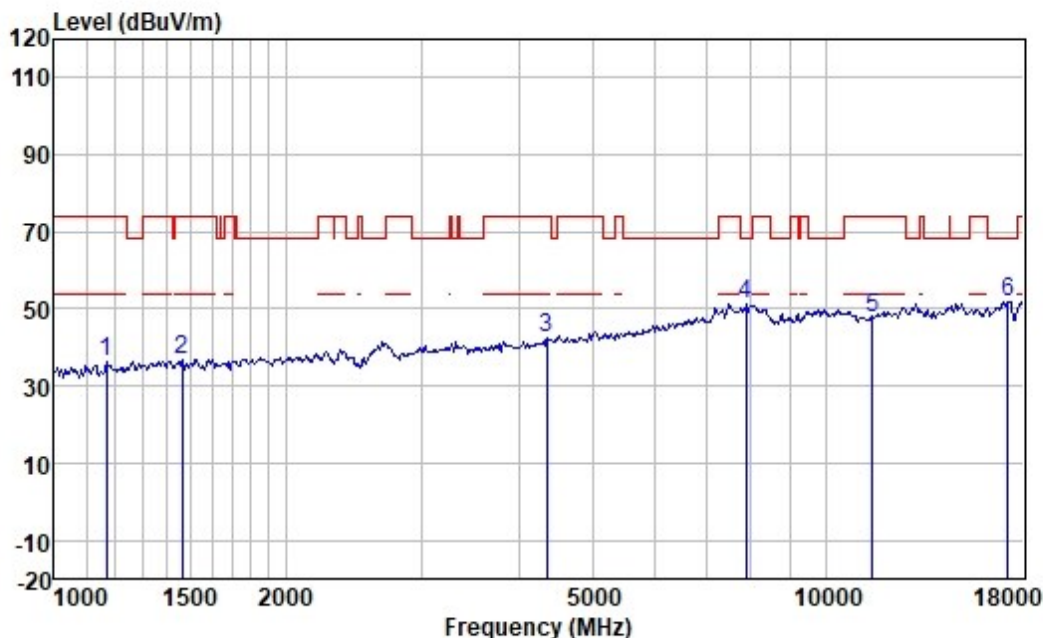
Test Mode: 07; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1267.454	47.17	25.48	2.55	38.62	36.58	68.20	-31.62	VERTICAL	peak
2	1414.597	48.12	25.82	2.67	38.47	38.14	74.00	-35.86	VERTICAL	peak
3	4430.628	44.01	30.83	4.61	37.45	42.00	68.20	-26.20	VERTICAL	peak
4	8082.804	44.59	37.17	6.24	37.39	50.61	74.00	-23.39	VERTICAL	peak
5	11490.000	42.16	40.97	7.63	42.93	47.83	74.00	-26.17	VERTICAL	peak
6	17235.000	44.38	42.86	9.50	45.83	50.91	68.20	-17.29	VERTICAL	peak



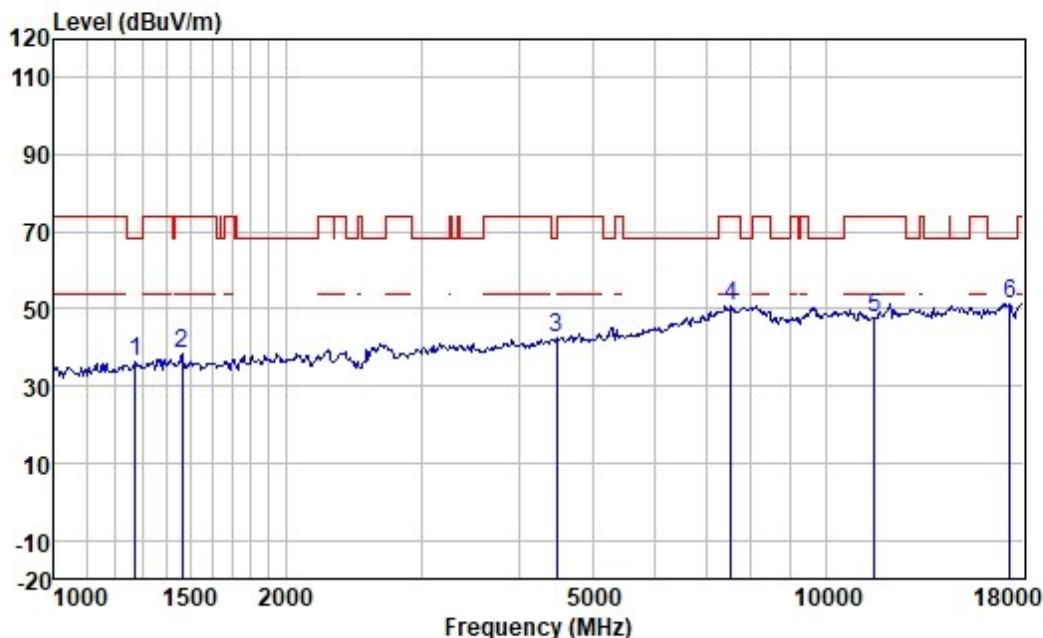
Test Mode: 07; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1168.920	47.59	24.91	2.34	38.70	36.14	74.00	-37.86	HORIZONTAL	peak
2	1464.522	46.74	25.88	2.69	38.39	36.92	74.00	-37.08	HORIZONTAL	peak
3	4354.454	44.89	30.72	4.60	37.46	42.75	74.00	-31.25	HORIZONTAL	peak
4	7898.049	45.22	37.16	6.18	37.20	51.36	68.20	-16.84	HORIZONTAL	peak
5	11490.000	42.19	40.97	7.63	42.93	47.86	74.00	-26.14	HORIZONTAL	peak
6	17235.000	45.33	42.86	9.50	45.83	51.86	68.20	-16.34	HORIZONTAL	peak



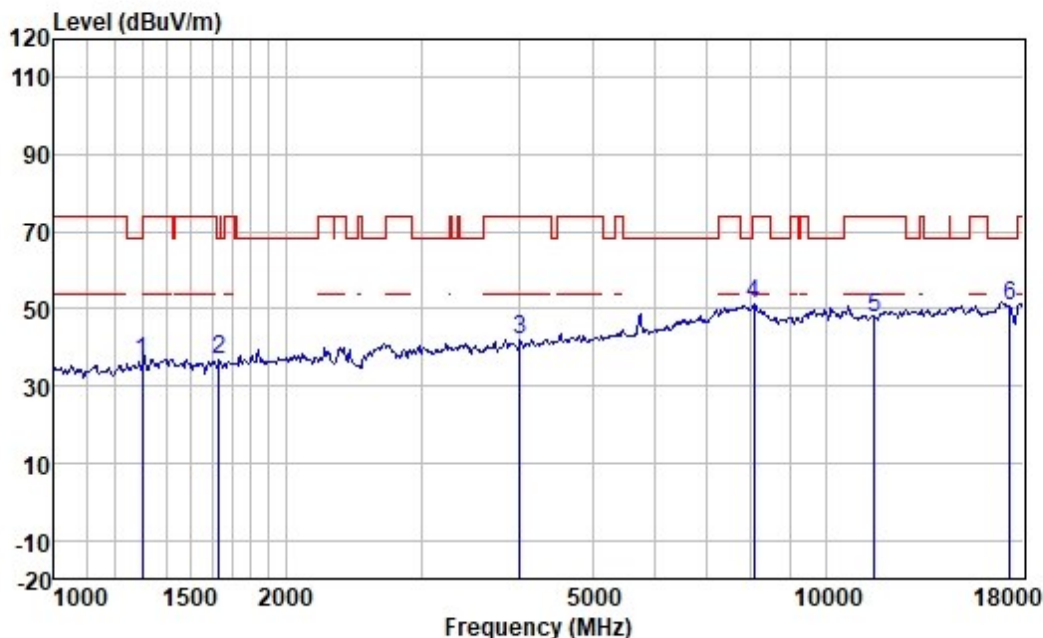
Test Mode: 07; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1274.802	46.94	25.51	2.56	38.62	36.39	68.20	-31.81	VERTICAL peak
2	1464.522	48.09	25.88	2.69	38.39	38.27	74.00	-35.73	VERTICAL peak
3	4482.150	44.53	30.90	4.62	37.44	42.61	68.20	-25.59	VERTICAL peak
4	7541.114	45.34	36.75	6.04	37.19	50.94	74.00	-23.06	VERTICAL peak
5	11570.000	42.10	40.84	7.64	43.01	47.57	74.00	-26.43	VERTICAL peak
6	17355.000	45.42	43.35	9.53	47.04	51.26	68.20	-16.94	VERTICAL peak



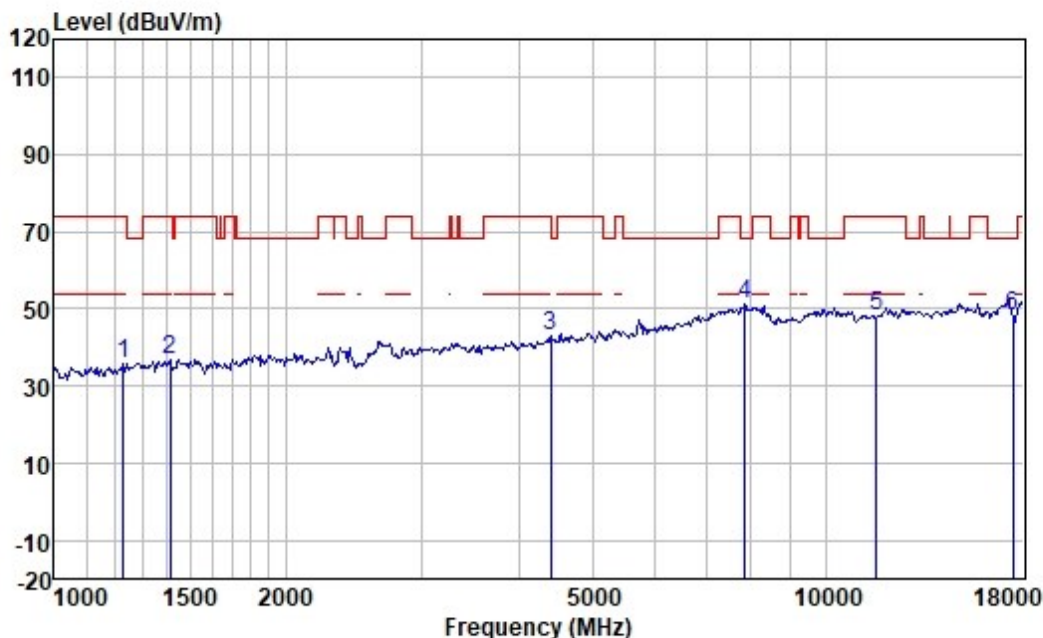
Test Mode: 07; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



		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	1300.858	46.84	25.60	2.59	38.58	36.45	74.00	-37.55	HORIZONTAL	peak
2	1634.543	46.28	26.05	2.78	38.11	37.00	68.20	-31.20	HORIZONTAL	peak
3	4015.929	45.16	30.01	4.50	37.50	42.17	74.00	-31.83	HORIZONTAL	peak
4	8082.804	45.37	37.17	6.24	37.39	51.39	74.00	-22.61	HORIZONTAL	peak
5	11570.000	42.42	40.84	7.64	43.01	47.89	74.00	-26.11	HORIZONTAL	peak
6	17355.000	45.17	43.35	9.53	47.04	51.01	68.20	-17.19	HORIZONTAL	peak



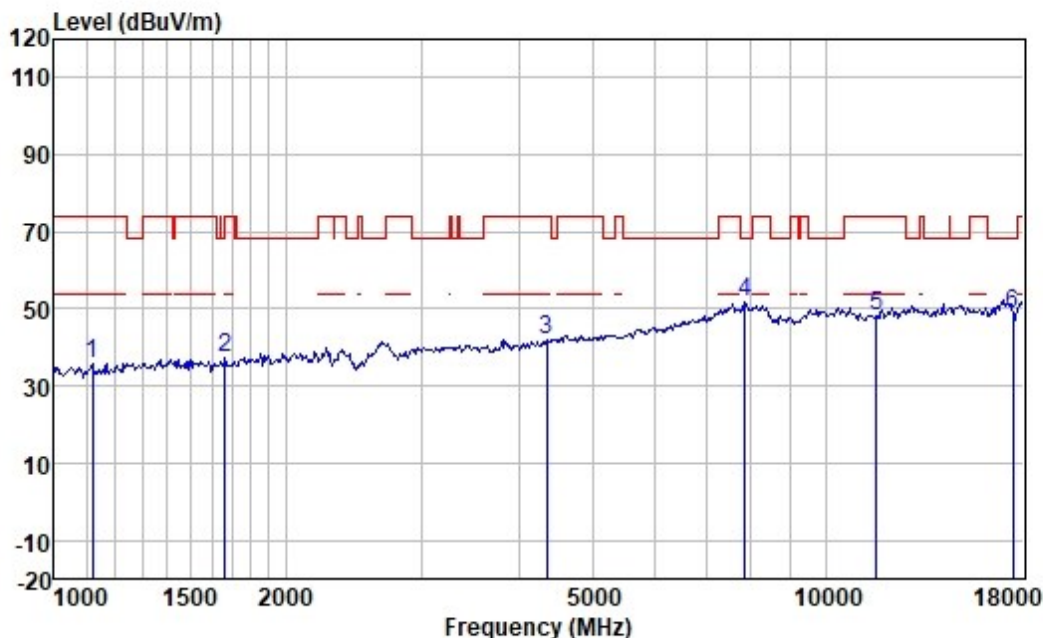
Test Mode: 07; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1231.345	46.88	25.29	2.48	38.64	36.01	74.00	-37.99	VERTICAL	peak
2	1414.597	46.99	25.82	2.67	38.47	37.01	74.00	-36.99	VERTICAL	peak
3	4405.090	44.93	30.80	4.61	37.46	42.88	68.20	-25.32	VERTICAL	peak
4	7852.524	45.25	37.11	6.16	37.20	51.32	68.20	-16.88	VERTICAL	peak
5	11650.000	42.66	40.69	7.66	43.06	47.95	74.00	-26.05	VERTICAL	peak
6	17475.000	43.73	43.94	9.57	48.85	48.39	68.20	-19.81	VERTICAL	peak



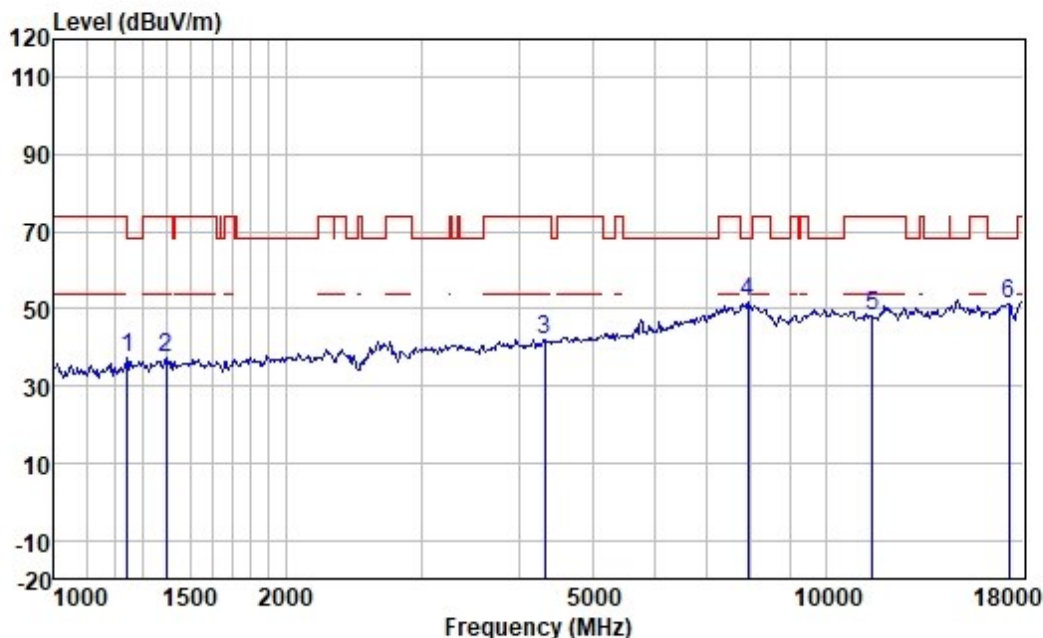
Test Mode: 07; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1122.563	47.47	24.77	2.29	38.73	35.80	74.00	-38.20	HORIZONTAL peak
2	1663.137	46.44	26.10	2.81	38.06	37.29	74.00	-36.71	HORIZONTAL peak
3	4354.454	44.17	30.72	4.60	37.46	42.03	74.00	-31.97	HORIZONTAL peak
4	7852.524	45.76	37.11	6.16	37.20	51.83	68.20	-16.37	HORIZONTAL peak
5	11650.000	42.71	40.69	7.66	43.06	48.00	74.00	-26.00	HORIZONTAL peak
6	17475.000	43.93	43.94	9.57	48.85	48.59	68.20	-19.61	HORIZONTAL peak



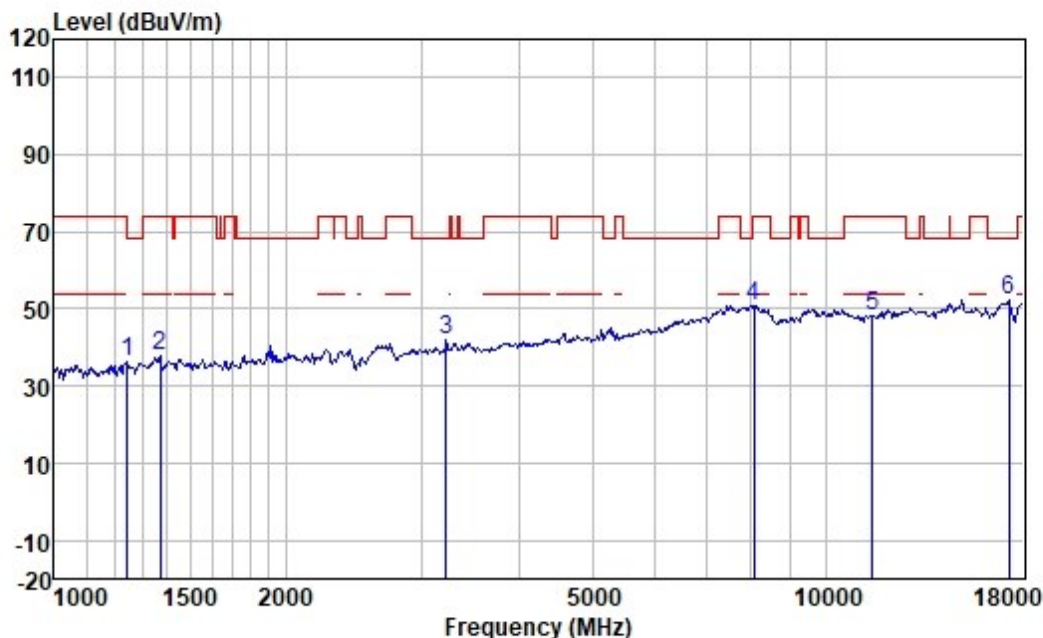
Test Mode: 07; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



	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	1245.663	47.96	25.38	2.51	38.64	37.21	68.20	-30.99	VERTICAL	peak
2	1398.336	47.47	25.79	2.66	38.49	37.43	74.00	-36.57	VERTICAL	peak
3	4329.354	44.26	30.67	4.59	37.46	42.06	74.00	-31.94	VERTICAL	peak
4	7943.838	45.64	37.19	6.19	37.20	51.82	68.20	-16.38	VERTICAL	peak
5	11510.000	42.31	40.97	7.63	42.95	47.96	74.00	-26.04	VERTICAL	peak
6	17265.000	44.66	43.12	9.52	46.14	51.16	68.20	-17.04	VERTICAL	peak



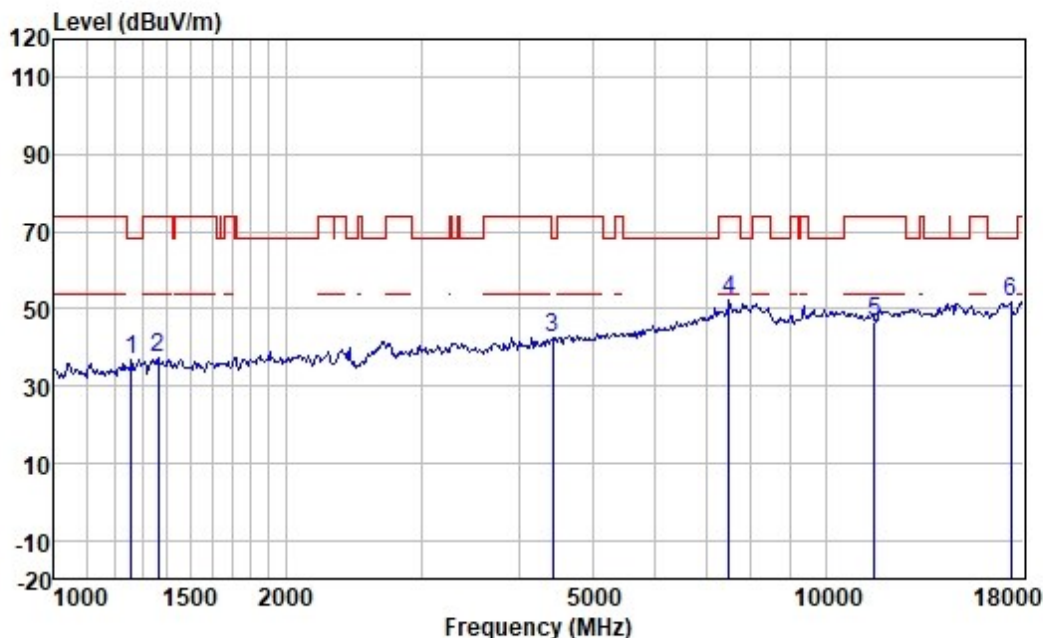
Test Mode: 07; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



		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	1245.663	46.87	25.38	2.51	38.64	36.12	68.20	-32.08	HORIZONTAL	peak
2	1374.295	47.97	25.76	2.64	38.51	37.86	74.00	-36.14	HORIZONTAL	peak
3	3223.928	46.79	28.82	3.94	37.58	41.97	68.20	-26.23	HORIZONTAL	peak
4	8082.804	44.98	37.17	6.24	37.39	51.00	74.00	-23.00	HORIZONTAL	peak
5	11510.000	42.58	40.97	7.63	42.95	48.23	74.00	-25.77	HORIZONTAL	peak
6	17265.000	45.62	43.12	9.52	46.14	52.12	68.20	-16.08	HORIZONTAL	peak



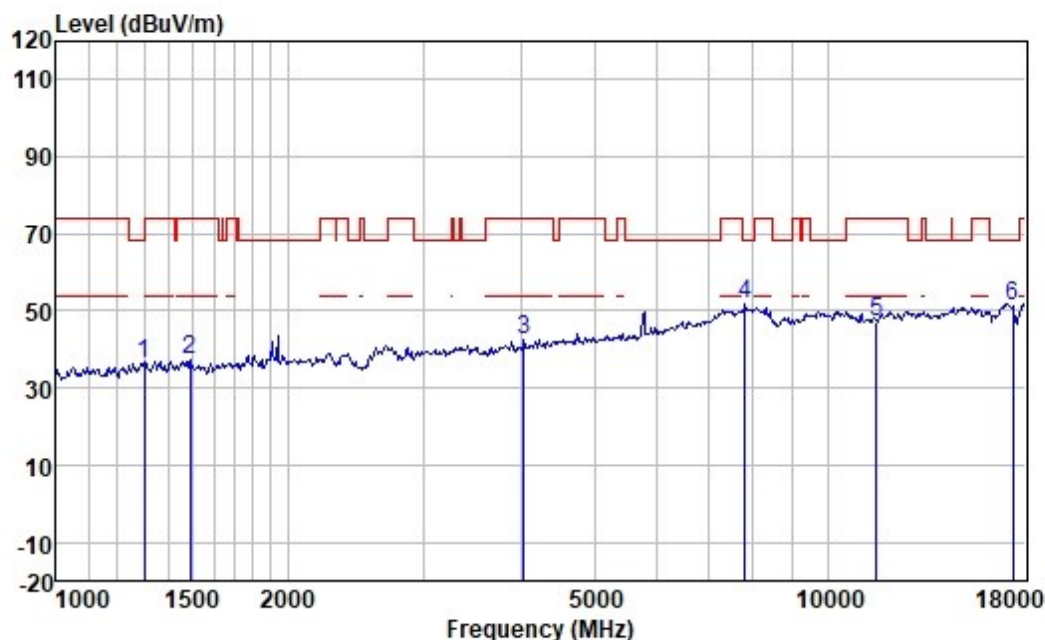
Test Mode: 07; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1260.149	47.24	25.45	2.54	38.63	36.60	68.20	-31.60	VERTICAL	peak
2	1366.374	47.24	25.74	2.64	38.51	37.11	74.00	-36.89	VERTICAL	peak
3	4430.628	44.73	30.83	4.61	37.45	42.72	68.20	-25.48	VERTICAL	peak
4	7497.646	46.64	36.71	6.03	37.19	52.19	74.00	-21.81	VERTICAL	peak
5	11590.000	41.38	40.77	7.65	43.02	46.78	74.00	-27.22	VERTICAL	peak
6	17385.000	46.03	43.56	9.55	47.47	51.67	68.20	-16.53	VERTICAL	peak



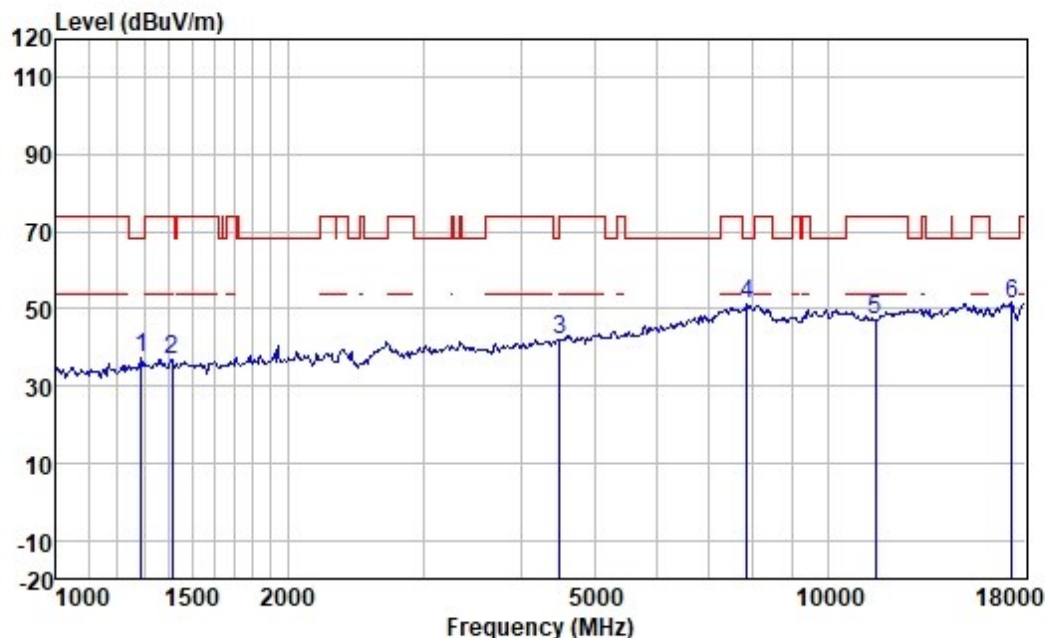
Test Mode: 07; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1300.858	46.91	25.60	2.59	38.58	36.52	74.00	-37.48	HORIZONTAL peak
2	1490.142	46.96	25.90	2.70	38.33	37.23	74.00	-36.77	HORIZONTAL peak
3	4039.212	45.57	30.04	4.51	37.50	42.62	74.00	-31.38	HORIZONTAL peak
4	7807.262	45.61	37.06	6.15	37.20	51.62	68.20	-16.58	HORIZONTAL peak
5	11590.000	42.01	40.77	7.65	43.02	47.41	74.00	-26.59	HORIZONTAL peak
6	17385.000	45.56	43.56	9.55	47.47	51.20	68.20	-17.00	HORIZONTAL peak



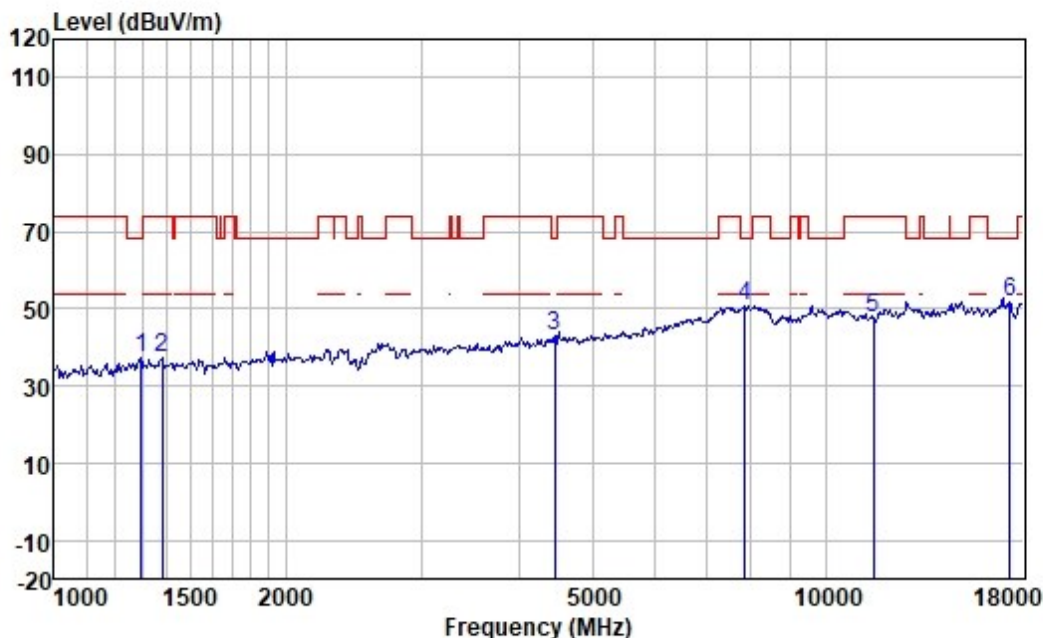
Test Mode: 07; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz



		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	1289.627	47.60	25.56	2.58	38.60	37.14	68.20	-31.06	VERTICAL	peak
2	1414.597	47.05	25.82	2.67	38.47	37.07	74.00	-36.93	VERTICAL	peak
3	4495.125	43.95	30.91	4.62	37.44	42.04	68.20	-26.16	VERTICAL	peak
4	7852.524	45.11	37.11	6.16	37.20	51.18	68.20	-17.02	VERTICAL	peak
5	11550.000	41.71	40.91	7.64	43.00	47.26	74.00	-26.74	VERTICAL	peak
6	17325.000	45.07	43.35	9.53	46.65	51.30	68.20	-16.90	VERTICAL	peak



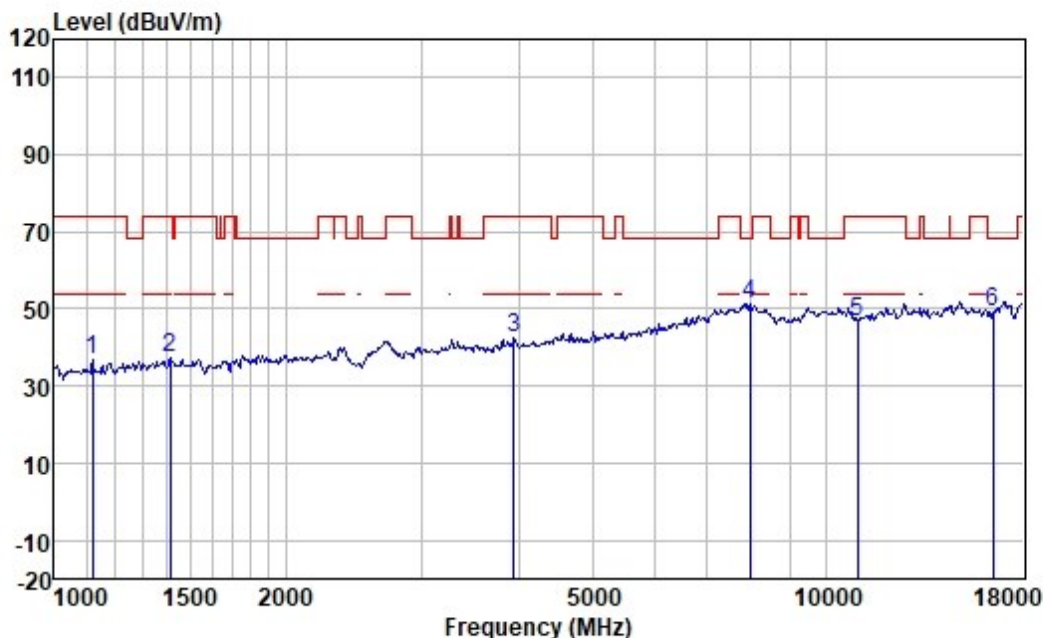
Test Mode: 07; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz



		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	1297.103	47.61	25.59	2.58	38.60	37.18	68.20	-31.02	HORIZONTAL	peak
2	1382.262	47.37	25.77	2.65	38.51	37.28	74.00	-36.72	HORIZONTAL	peak
3	4456.315	44.76	30.87	4.61	37.45	42.79	68.20	-25.41	HORIZONTAL	peak
4	7852.524	44.91	37.11	6.16	37.20	50.98	68.20	-17.22	HORIZONTAL	peak
5	11550.000	42.34	40.91	7.64	43.00	47.89	74.00	-26.11	HORIZONTAL	peak
6	17325.000	45.42	43.35	9.53	46.65	51.65	68.20	-16.55	HORIZONTAL	peak



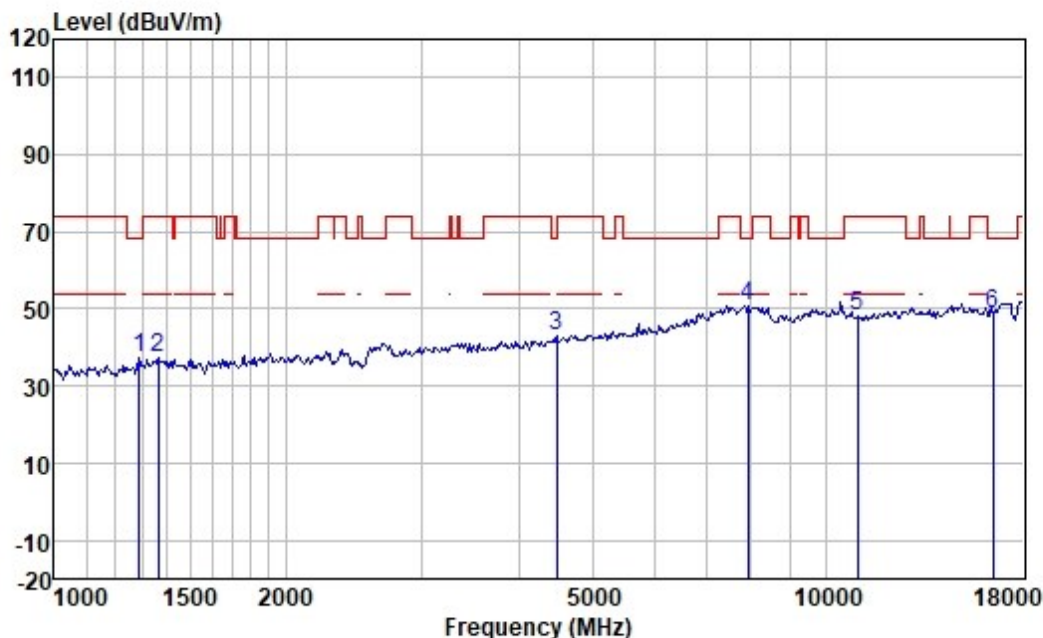
Test Mode: 06; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1122.563	48.29	24.77	2.29	38.73	36.62	74.00	-37.38	HORIZONTAL	peak
2	1414.597	47.12	25.82	2.67	38.47	37.14	74.00	-36.86	HORIZONTAL	peak
3	3946.885	45.64	29.93	4.47	37.50	42.54	74.00	-31.46	HORIZONTAL	peak
4	7989.893	44.89	37.23	6.20	37.20	51.12	68.20	-17.08	HORIZONTAL	peak
5	11000.000	41.02	40.69	7.52	42.70	46.53	74.00	-27.47	HORIZONTAL	peak
6	16500.000	44.21	39.36	9.34	43.70	49.21	68.20	-18.99	HORIZONTAL	peak



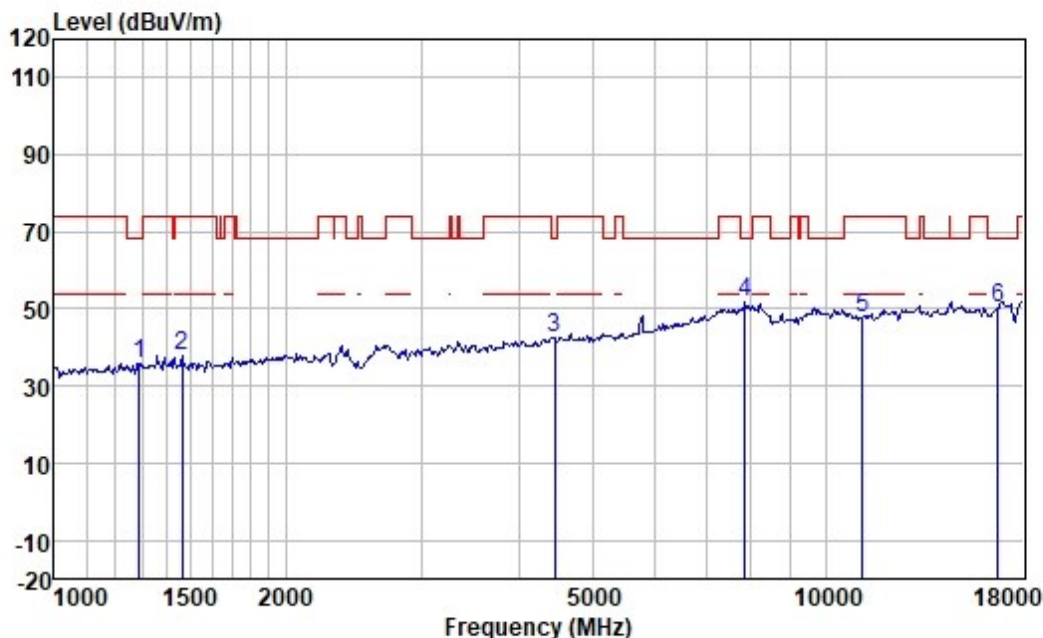
Test Mode: 06; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1289.627	47.69	25.56	2.58	38.60	37.23	68.20	-30.97	HORIZONTAL	peak
2	1366.374	47.44	25.74	2.64	38.51	37.31	74.00	-36.69	HORIZONTAL	peak
3	4482.150	44.79	30.90	4.62	37.44	42.87	68.20	-25.33	HORIZONTAL	peak
4	7943.838	44.78	37.19	6.19	37.20	50.96	68.20	-17.24	HORIZONTAL	peak
5	11000.000	42.47	40.69	7.52	42.70	47.98	74.00	-26.02	HORIZONTAL	peak
6	16500.000	43.67	39.36	9.34	43.70	48.67	68.20	-19.53	HORIZONTAL	peak



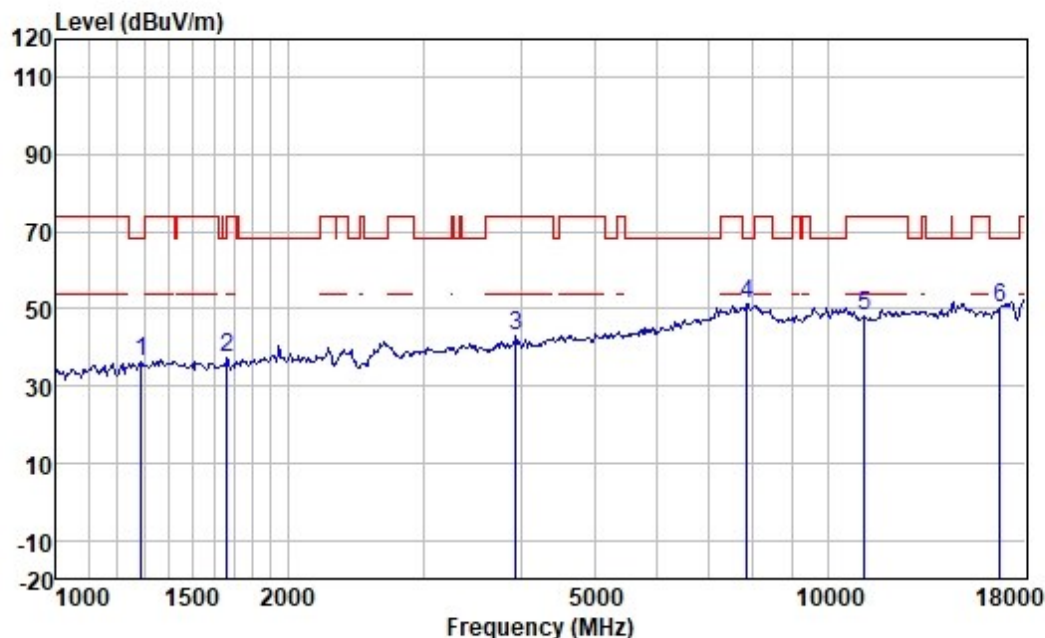
Test Mode: 06; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



		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	46.43	25.56	2.58	38.60	35.97	68.20	-32.23	VERTICAL	peak
2	1464.522	47.50	25.88	2.69	38.39	37.68	74.00	-36.32	VERTICAL	peak
3	4456.315	44.32	30.87	4.61	37.45	42.35	68.20	-25.85	VERTICAL	peak
4	7852.524	45.62	37.11	6.16	37.20	51.69	68.20	-16.51	VERTICAL	peak
5	11160.000	42.04	40.77	7.55	42.75	47.61	74.00	-26.39	VERTICAL	peak
6	16740.000	44.25	40.58	9.39	44.02	50.20	68.20	-18.00	VERTICAL	peak



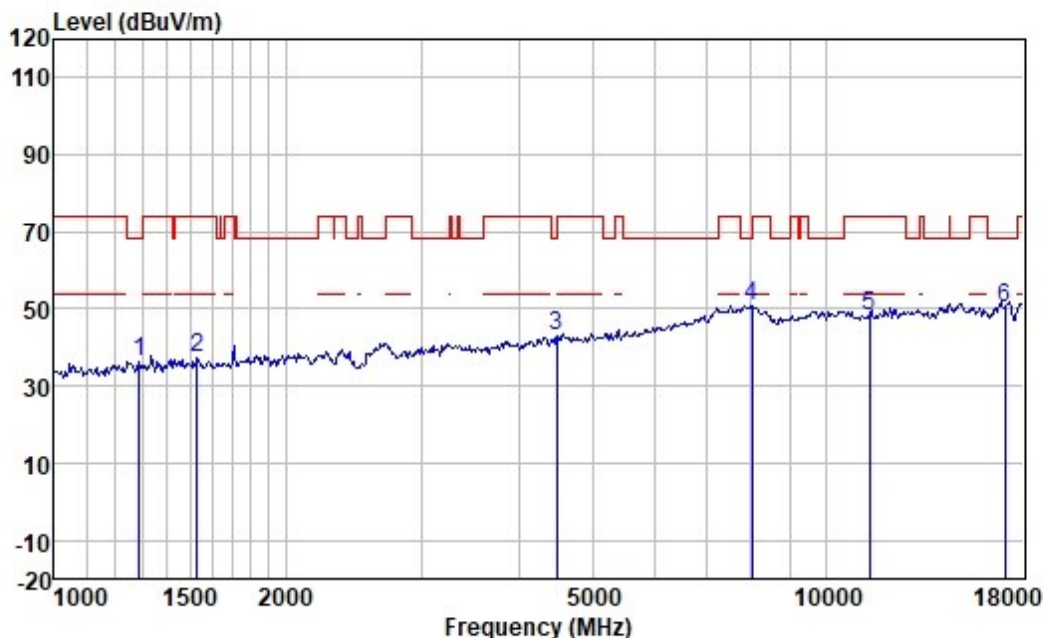
Test Mode: 06; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



		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	46.95	25.56	2.58	38.60	36.49	68.20	-31.71	HORIZONTAL	peak
2	1663.137	46.36	26.10	2.81	38.06	37.21	74.00	-36.79	HORIZONTAL	peak
3	3946.885	46.12	29.93	4.47	37.50	43.02	74.00	-30.98	HORIZONTAL	peak
4	7852.524	45.25	37.11	6.16	37.20	51.32	68.20	-16.88	HORIZONTAL	peak
5	11160.000	42.49	40.77	7.55	42.75	48.06	74.00	-25.94	HORIZONTAL	peak
6	16740.000	44.36	40.58	9.39	44.02	50.31	68.20	-17.89	HORIZONTAL	peak



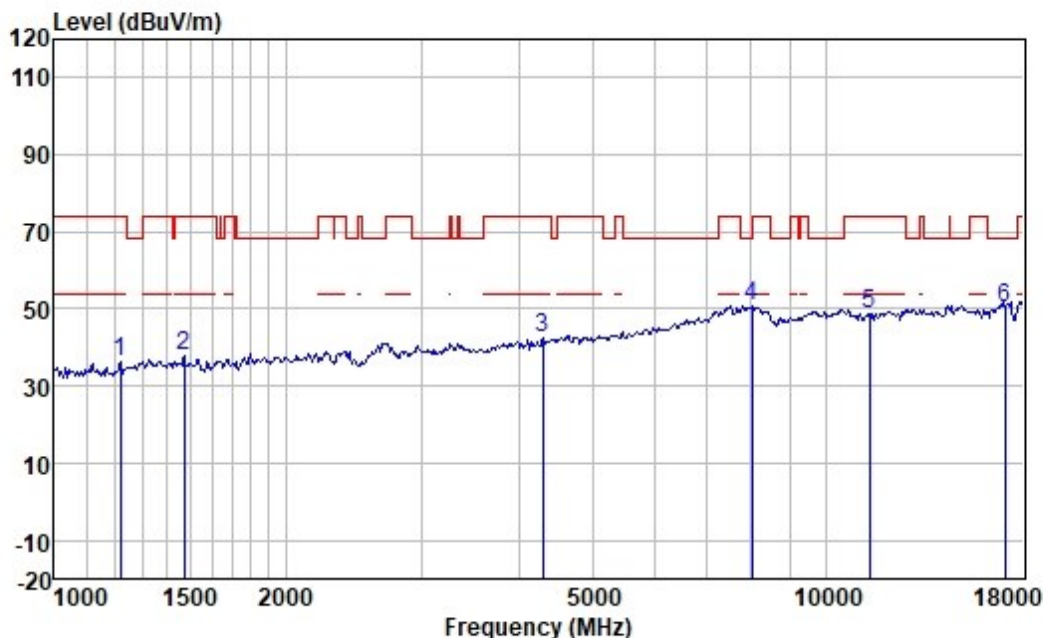
Test Mode: 06; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



		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	1289.627	46.75	25.56	2.58	38.60	36.29	68.20	-31.91	VERTICAL	peak
2	1533.841	46.87	25.94	2.72	38.26	37.27	74.00	-36.73	VERTICAL	peak
3	4482.150	45.03	30.90	4.62	37.44	43.11	68.20	-25.09	VERTICAL	peak
4	8036.214	44.60	37.20	6.22	37.27	50.75	74.00	-23.25	VERTICAL	peak
5	11400.000	42.42	40.92	7.61	42.87	48.08	74.00	-25.92	VERTICAL	peak
6	17100.000	43.56	42.17	9.45	44.81	50.37	68.20	-17.83	VERTICAL	peak



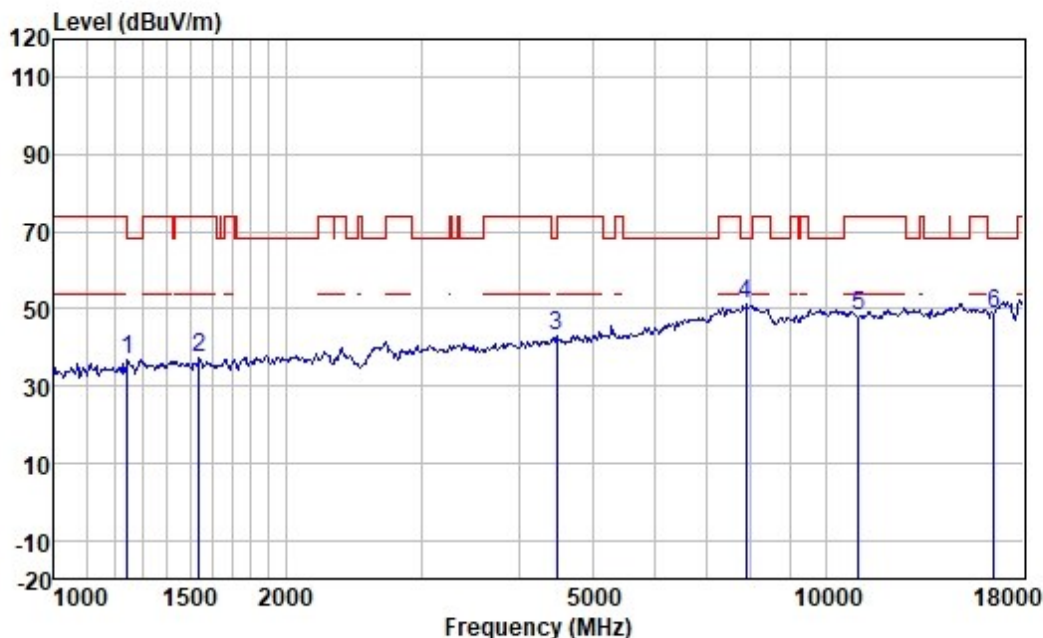
Test Mode: 06; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1217.190	47.47	25.16	2.43	38.66	36.40	74.00	-37.60	HORIZONTAL peak
2	1473.013	47.72	25.88	2.69	38.37	37.92	74.00	-36.08	HORIZONTAL peak
3	4304.400	44.95	30.62	4.58	37.47	42.68	74.00	-31.32	HORIZONTAL peak
4	8036.214	44.57	37.20	6.22	37.27	50.72	74.00	-23.28	HORIZONTAL peak
5	11400.000	43.20	40.92	7.61	42.87	48.86	74.00	-25.14	HORIZONTAL peak
6	17100.000	43.62	42.17	9.45	44.81	50.43	68.20	-17.77	HORIZONTAL peak



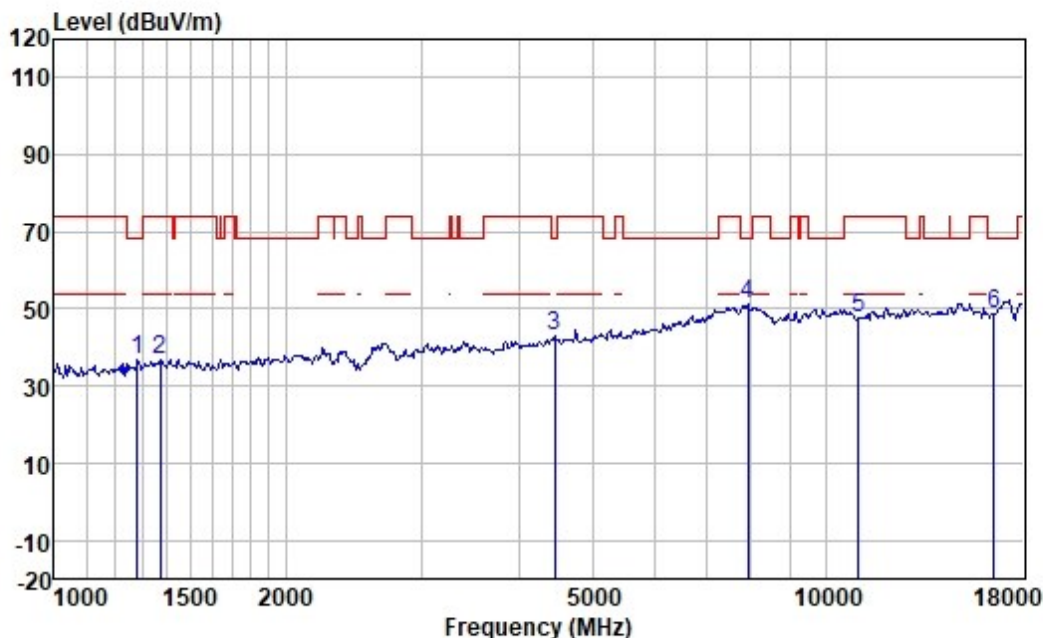
Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1245.663	47.66	25.38	2.51	38.64	36.91	68.20	-31.29	VERTICAL	peak
2	1542.733	46.97	25.95	2.72	38.23	37.41	74.00	-36.59	VERTICAL	peak
3	4482.150	45.03	30.90	4.62	37.44	43.11	68.20	-25.09	VERTICAL	peak
4	7898.049	45.10	37.16	6.18	37.20	51.24	68.20	-16.96	VERTICAL	peak
5	11020.000	42.43	40.69	7.52	42.70	47.94	74.00	-26.06	VERTICAL	peak
6	16530.000	43.74	39.57	9.35	43.77	48.89	68.20	-19.31	VERTICAL	peak



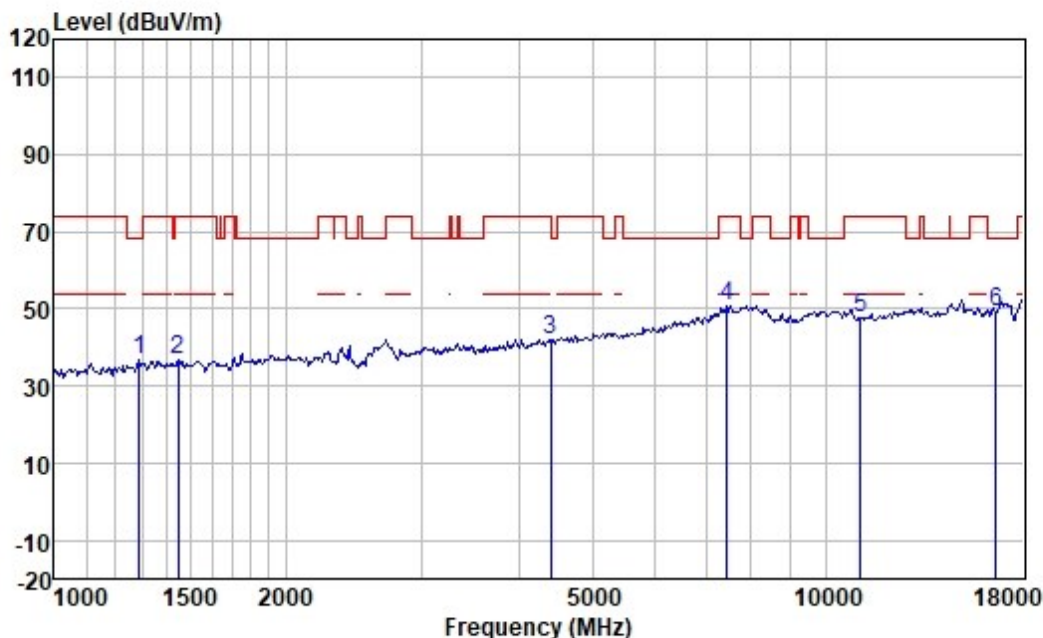
Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



		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	1282.193	47.19	25.54	2.57	38.60	36.70	68.20	-31.50	HORIZONTAL	peak
2	1374.295	47.01	25.76	2.64	38.51	36.90	74.00	-37.10	HORIZONTAL	peak
3	4456.315	44.75	30.87	4.61	37.45	42.78	68.20	-25.42	HORIZONTAL	peak
4	7943.838	45.12	37.19	6.19	37.20	51.30	68.20	-16.90	HORIZONTAL	peak
5	11020.000	42.00	40.69	7.52	42.70	47.51	74.00	-26.49	HORIZONTAL	peak
6	16530.000	43.57	39.57	9.35	43.77	48.72	68.20	-19.48	HORIZONTAL	peak



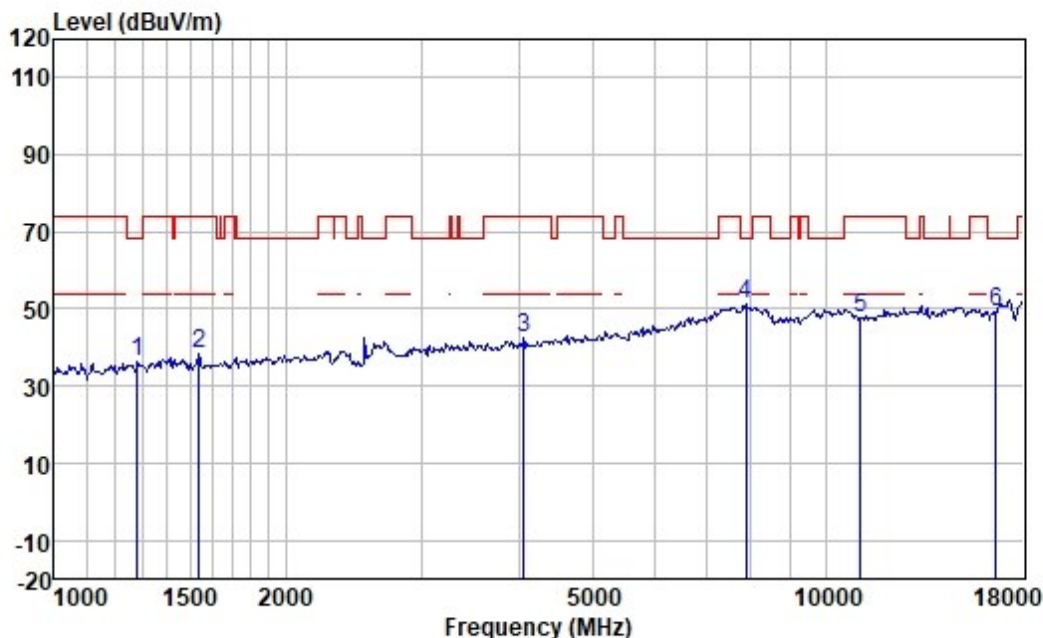
Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:middle



	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1289.627	47.07	25.56	2.58	38.60	36.61	68.20	-31.59	VERTICAL	peak
2	1447.688	46.64	25.86	2.68	38.42	36.76	74.00	-37.24	VERTICAL	peak
3	4405.090	44.29	30.80	4.61	37.46	42.24	68.20	-25.96	VERTICAL	peak
4	7454.429	45.43	36.62	6.02	37.18	50.89	74.00	-23.11	VERTICAL	peak
5	11100.000	42.30	40.73	7.54	42.73	47.84	74.00	-26.16	VERTICAL	peak
6	16650.000	43.78	40.03	9.36	43.94	49.23	68.20	-18.97	VERTICAL	peak



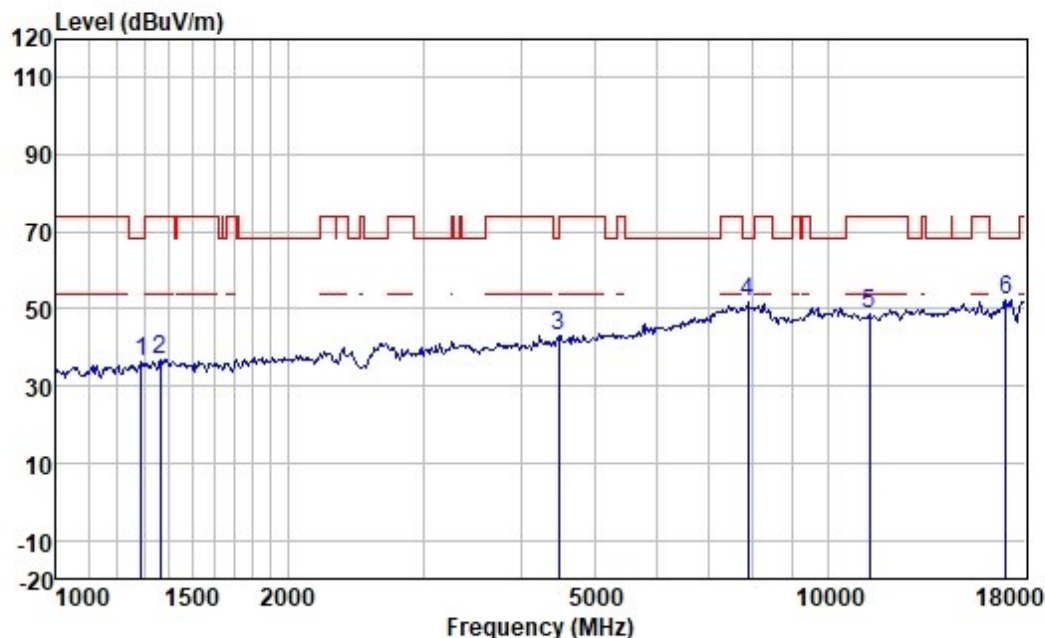
Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:middle



		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	1282.193	46.67	25.54	2.57	38.60	36.18	68.20	-32.02	HORIZONTAL	peak
2	1542.733	47.84	25.95	2.72	38.23	38.28	74.00	-35.72	HORIZONTAL	peak
3	4062.629	45.36	30.08	4.51	37.49	42.46	74.00	-31.54	HORIZONTAL	peak
4	7898.049	45.30	37.16	6.18	37.20	51.44	68.20	-16.76	HORIZONTAL	peak
5	11100.000	41.99	40.73	7.54	42.73	47.53	74.00	-26.47	HORIZONTAL	peak
6	16650.000	43.94	40.03	9.36	43.94	49.39	68.20	-18.81	HORIZONTAL	peak



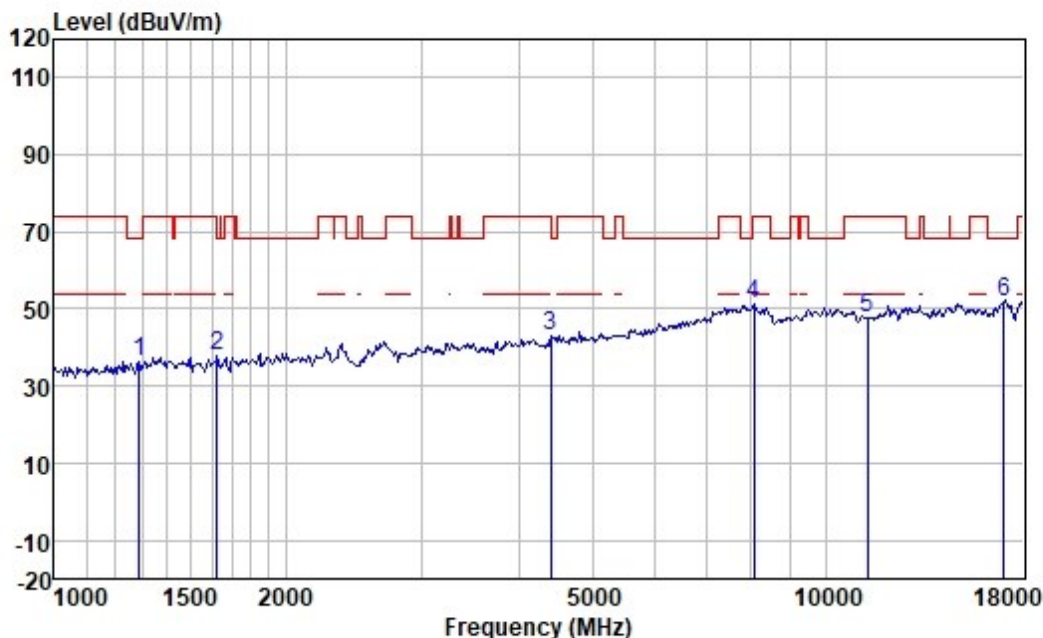
Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



		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	1289.627	46.82	25.56	2.58	38.60	36.36	68.20	-31.84	VERTICAL	peak
2	1366.374	47.20	25.74	2.64	38.51	37.07	74.00	-36.93	VERTICAL	peak
3	4482.150	44.91	30.90	4.62	37.44	42.99	68.20	-25.21	VERTICAL	peak
4	7898.049	45.73	37.16	6.18	37.20	51.87	68.20	-16.33	VERTICAL	peak
5	11340.000	43.01	40.88	7.59	42.83	48.65	74.00	-25.35	VERTICAL	peak
6	17010.000	45.46	41.79	9.43	44.30	52.38	68.20	-15.82	VERTICAL	peak



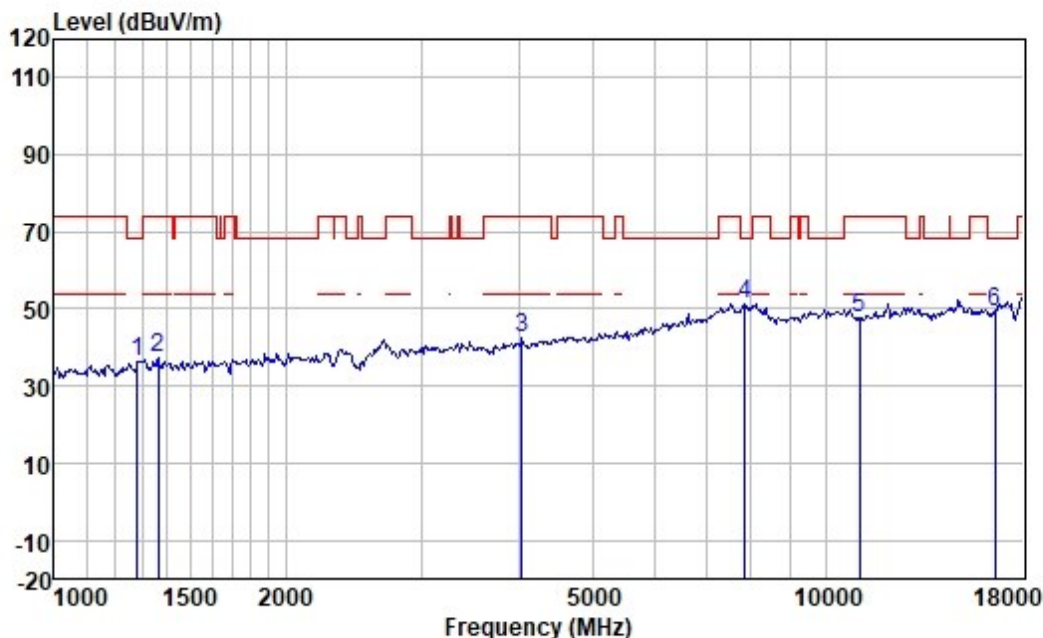
Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



		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	1289.627	46.76	25.56	2.58	38.60	36.30	68.20	-31.90	HORIZONTAL	peak
2	1625.121	46.91	26.04	2.77	38.11	37.61	74.00	-36.39	HORIZONTAL	peak
3	4405.090	45.05	30.80	4.61	37.46	43.00	68.20	-25.20	HORIZONTAL	peak
4	8082.804	45.34	37.17	6.24	37.39	51.36	74.00	-22.64	HORIZONTAL	peak
5	11340.000	42.05	40.88	7.59	42.83	47.69	74.00	-26.31	HORIZONTAL	peak
6	17010.000	44.98	41.79	9.43	44.30	51.90	68.20	-16.30	HORIZONTAL	peak



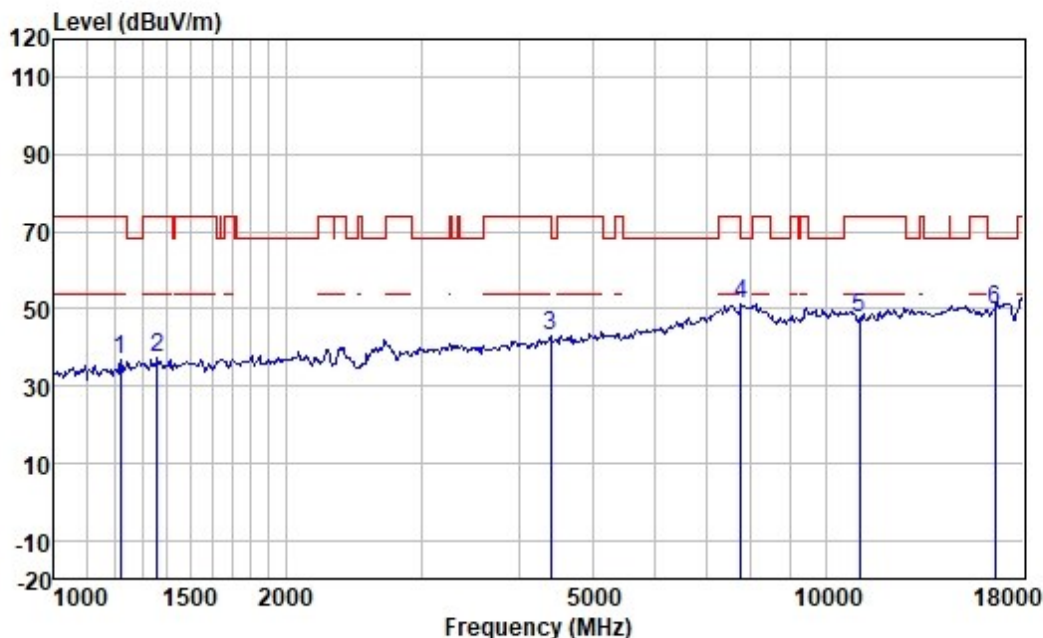
Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



		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	1282.193	46.89	25.54	2.57	38.60	36.40	68.20	-31.80	VERTICAL	peak
2	1366.374	47.33	25.74	2.64	38.51	37.20	74.00	-36.80	VERTICAL	peak
3	4039.212	45.44	30.04	4.51	37.50	42.49	74.00	-31.51	VERTICAL	peak
4	7852.524	45.25	37.11	6.16	37.20	51.32	68.20	-16.88	VERTICAL	peak
5	11060.000	42.34	40.70	7.53	42.72	47.85	74.00	-26.15	VERTICAL	peak
6	16590.000	44.08	39.79	9.36	43.85	49.38	68.20	-18.82	VERTICAL	peak



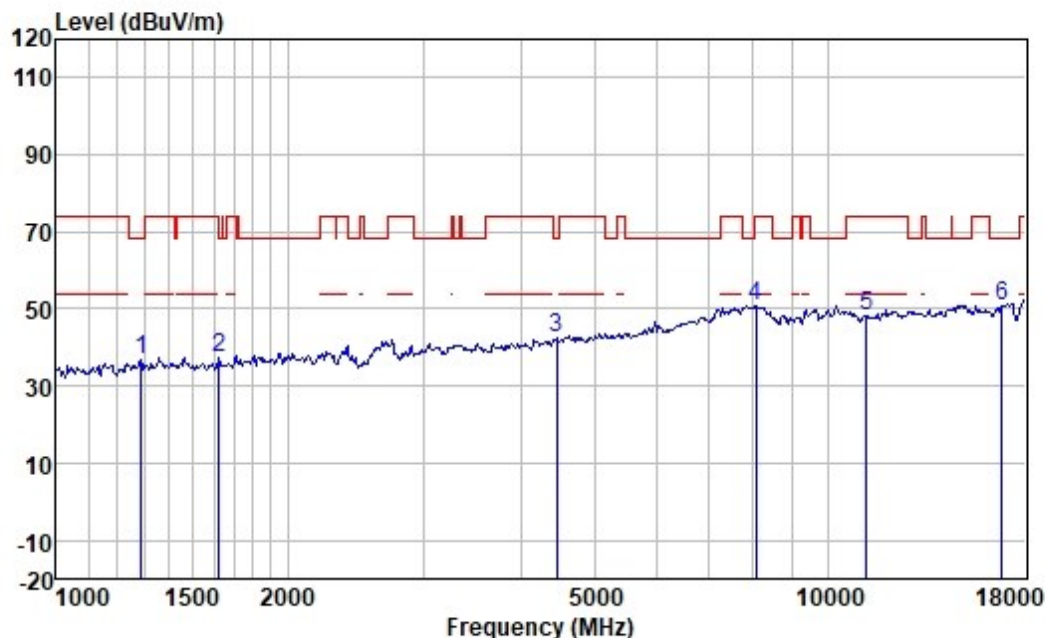
Test Mode: 06; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



		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	1217.190	47.87	25.16	2.43	38.66	36.80	74.00	-37.20	HORIZONTAL	peak
2	1358.498	47.52	25.73	2.63	38.53	37.35	74.00	-36.65	HORIZONTAL	peak
3	4405.090	44.94	30.80	4.61	37.46	42.89	68.20	-25.31	HORIZONTAL	peak
4	7762.260	45.28	37.00	6.13	37.19	51.22	68.20	-16.98	HORIZONTAL	peak
5	11060.000	42.32	40.70	7.53	42.72	47.83	74.00	-26.17	HORIZONTAL	peak
6	16590.000	44.43	39.79	9.36	43.85	49.73	68.20	-18.47	HORIZONTAL	peak



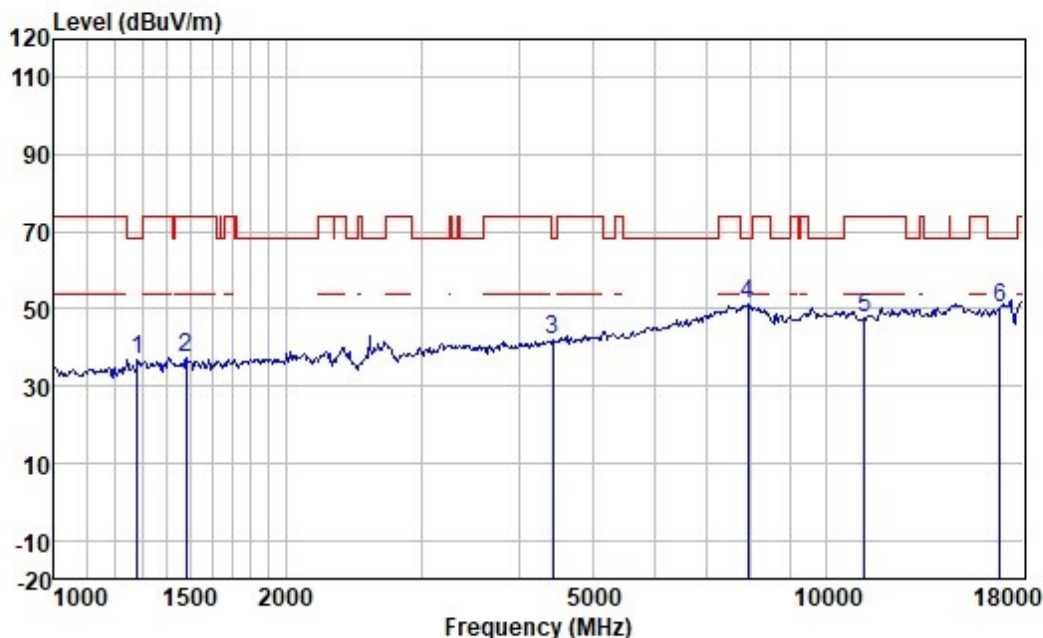
Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



		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	1289.627	47.23	25.56	2.58	38.60	36.77	68.20	-31.43	VERTICAL	peak
2	1625.121	46.66	26.04	2.77	38.11	37.36	74.00	-36.64	VERTICAL	peak
3	4456.315	44.28	30.87	4.61	37.45	42.31	68.20	-25.89	VERTICAL	peak
4	8082.804	44.97	37.17	6.24	37.39	50.99	74.00	-23.01	VERTICAL	peak
5	11220.000	42.49	40.79	7.56	42.77	48.07	74.00	-25.93	VERTICAL	peak
6	16830.000	44.30	41.12	9.41	44.09	50.74	68.20	-17.46	VERTICAL	peak



Test Mode: 06; 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	1282.193	47.41	25.54	2.57	38.60	36.92	68.20	-31.28	HORIZONTAL	peak
2	1481.553	47.08	25.89	2.69	38.37	37.29	74.00	-36.71	HORIZONTAL	peak
3	4430.628	43.82	30.83	4.61	37.45	41.81	68.20	-26.39	HORIZONTAL	peak
4	7943.838	44.91	37.19	6.19	37.20	51.09	68.20	-17.11	HORIZONTAL	peak
5	11220.000	41.95	40.79	7.56	42.77	47.53	74.00	-26.47	HORIZONTAL	peak
6	16830.000	43.92	41.12	9.41	44.09	50.36	68.20	-17.84	HORIZONTAL	peak



6.3 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: ANSI C63.10 (2020) Section 6.10.5

Test Engineer: Lin Liao

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.

6.3.1 E.U.T. Operation

Operating Environment:

Temperature: 22.7 °C

Humidity: 52.3 % RH

Atmospheric Pressure: 1020 mbar

6.3.2 Test Mode Description

Pre-scan / Mode
Final test Code Description

Final test 04 TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data



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Final test 05

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.

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.

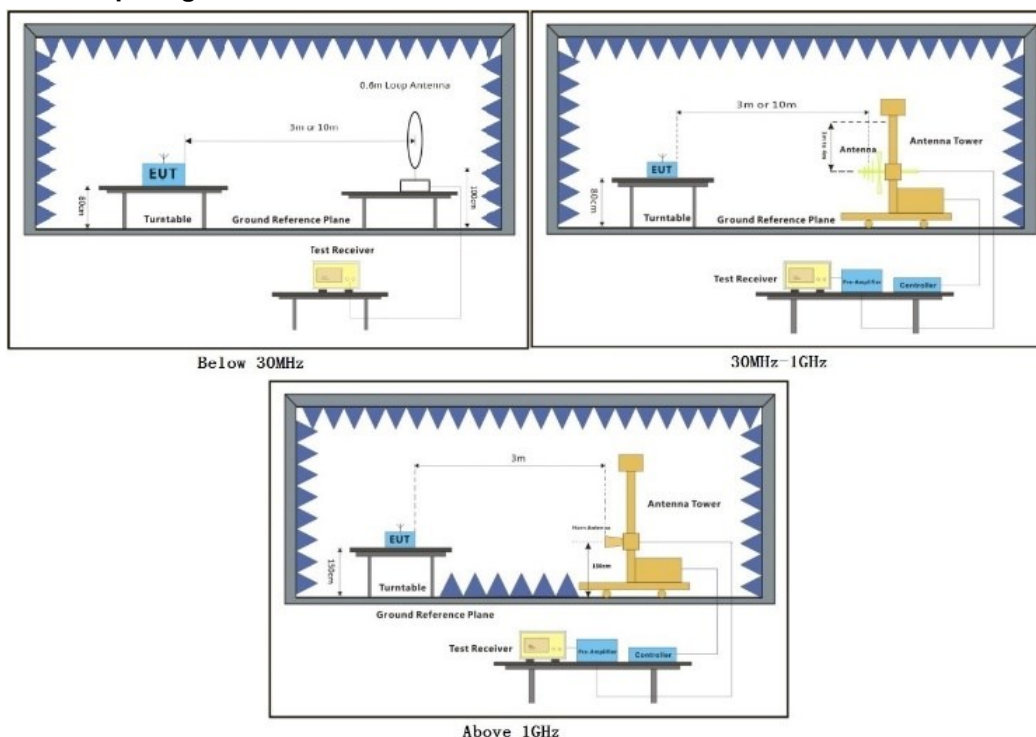
Final test 06

TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac 20/40/80, Only the data of worst case is recorded in the report.

Final test 07

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

6.3.3 Test Setup Diagram



6.3.4 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.

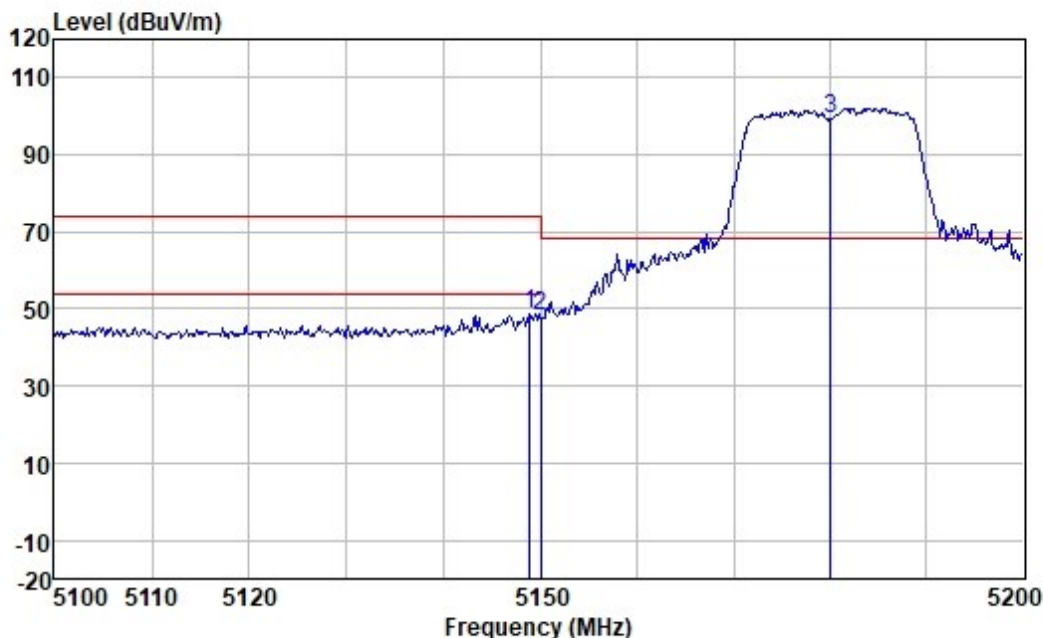
Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Remark 2: The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.

Remark 3: For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle $<98\%$) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.



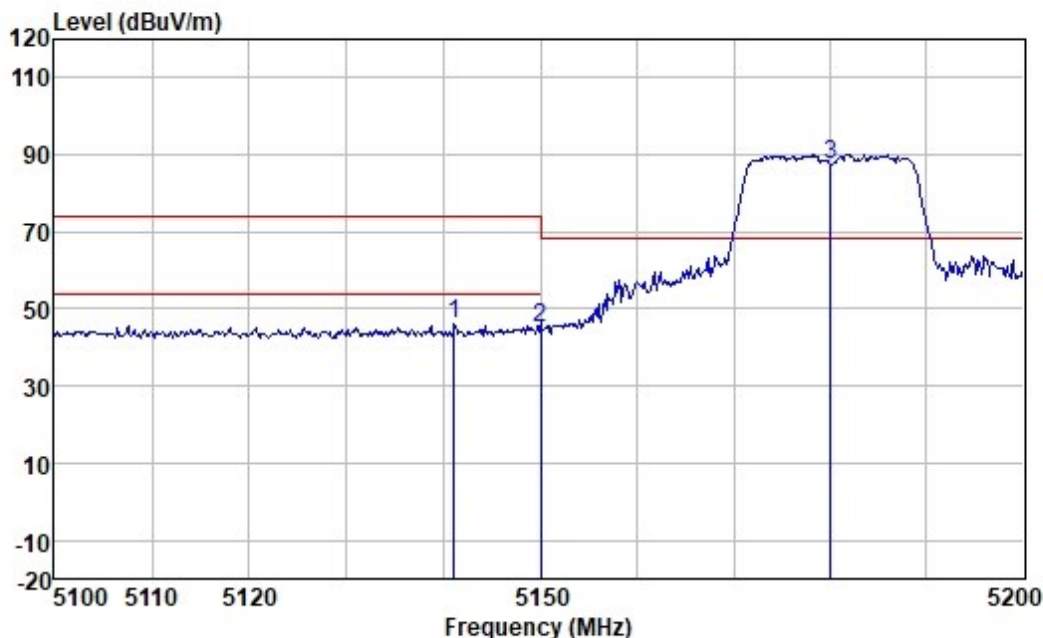
Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5148.857	49.14	31.85	4.96	37.23	48.72	74.00	-25.28	VERTICAL	peak
2	5150.000	48.57	31.85	4.96	37.23	48.15	68.20	-20.05	VERTICAL	peak
3 *	5180.000	99.58	31.87	4.98	37.22	99.21	68.20	31.01	VERTICAL	peak



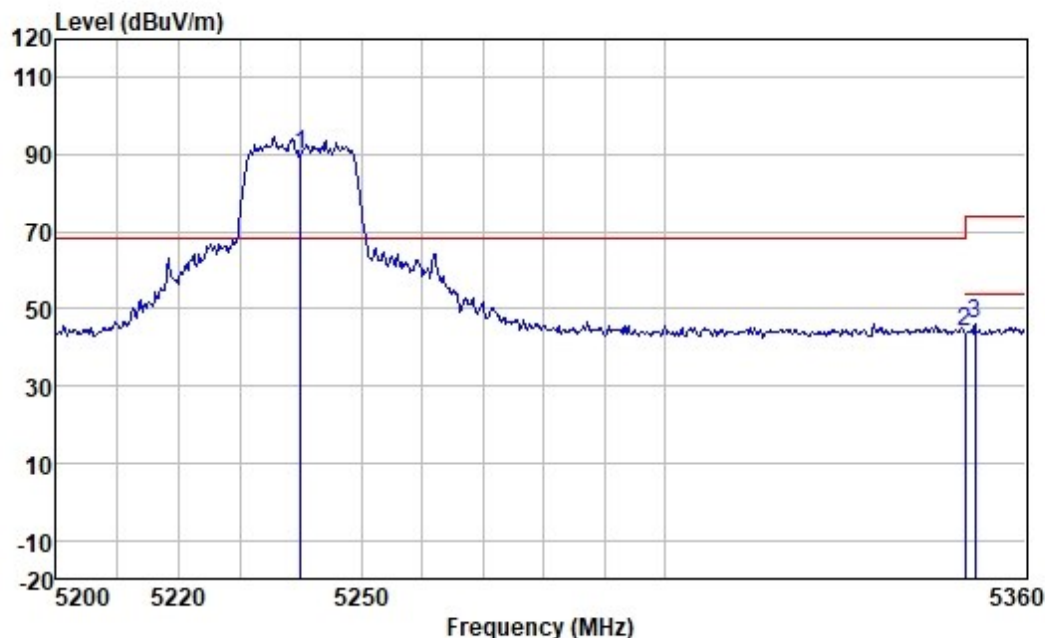
Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



	ReadAntenna	Cable	Preamp		Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5141.065	46.47	31.85	4.95	37.23	46.04	74.00	-27.96	HORIZONTAL peak
2	5150.000	45.73	31.85	4.96	37.23	45.31	68.20	-22.89	HORIZONTAL peak
3 *	5180.000	87.95	31.87	4.98	37.22	87.58	68.20	19.38	HORIZONTAL peak



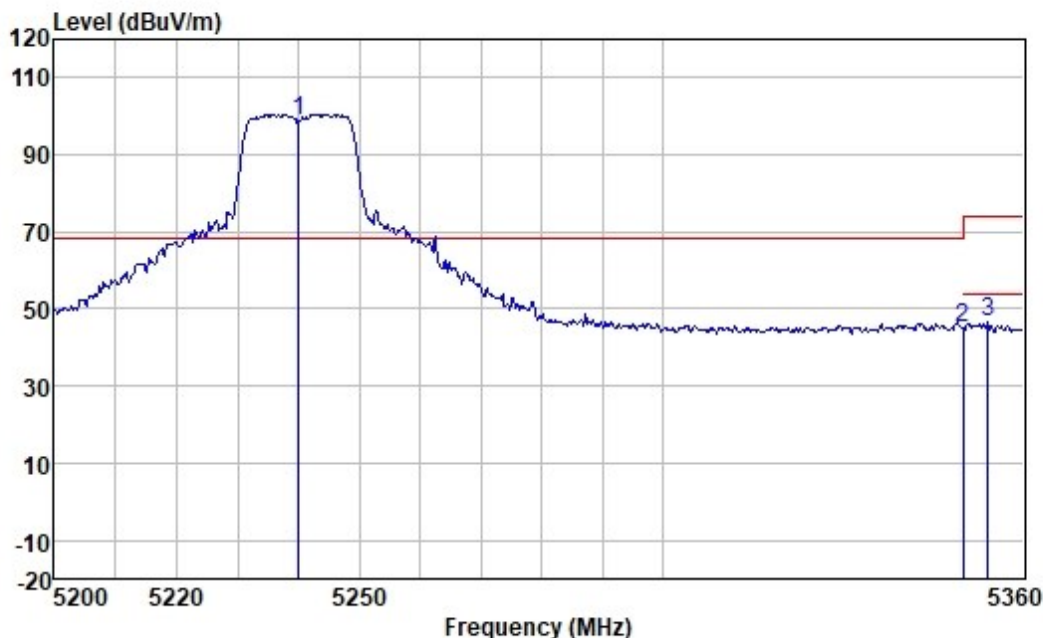
Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5240.000	90.56	31.92	5.02	37.21	90.29	68.20	22.09	VERTICAL	peak
2	5350.000	44.18	32.02	5.09	37.18	44.11	68.20	-24.09	VERTICAL	peak
3	5351.722	46.25	32.02	5.09	37.18	46.18	74.00	-27.82	VERTICAL	peak



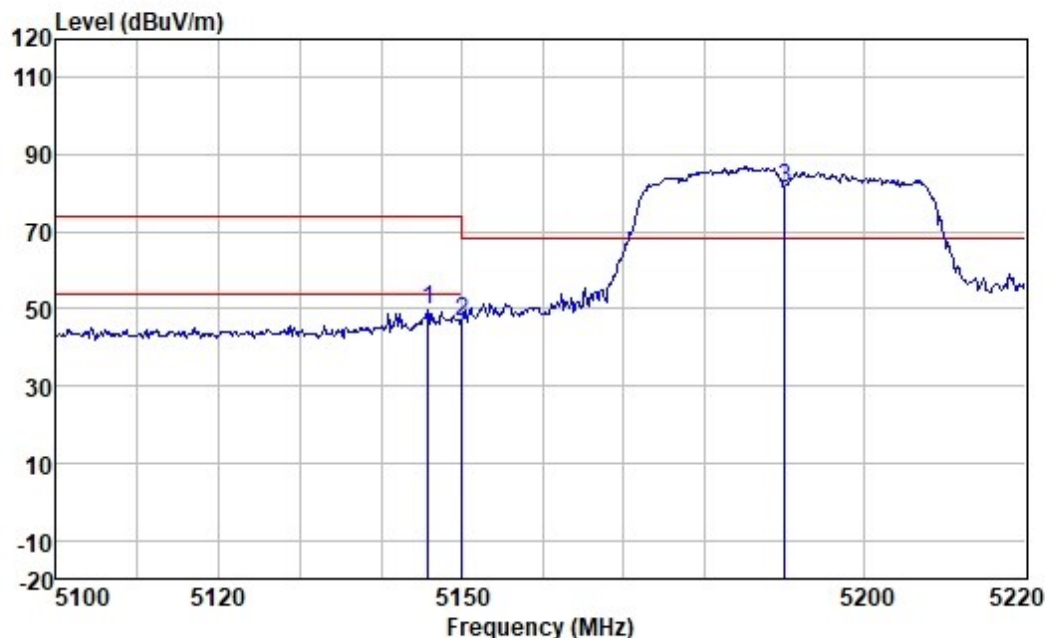
Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 *	5240.000	98.97	31.92	5.02	37.21	98.70	68.20	30.50	HORIZONTAL peak
2	5350.000	45.22	32.02	5.09	37.18	45.15	68.20	-23.05	HORIZONTAL peak
3	5354.155	46.67	32.03	5.10	37.18	46.62	74.00	-27.38	HORIZONTAL peak



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



	Read	Antenna	Cable	Preamp		Limit	Over		
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5145.750	50.12	31.85	4.96	37.23	49.70	74.00	-24.30	VERTICAL peak
2	5150.000	47.26	31.85	4.96	37.23	46.84	68.20	-21.36	VERTICAL peak
3 *	5190.000	81.52	31.89	4.99	37.22	81.18	68.20	12.98	VERTICAL peak

