



TEST REPORT

Application No.: GZCR2209001154AT
Applicant: YEALINK (XIAMEN) NETWORK TECHNOLOGY CO., LTD.
Address of Applicant: No.666 Hu'an Rd, Huli District Xiamen City, Fujian, P.R. China
Manufacturer: YEALINK (XIAMEN) NETWORK TECHNOLOGY CO., LTD.
Address of Manufacturer: No.666 Hu'an Rd, Huli District Xiamen City, Fujian, P.R. China
Equipment Under Test (EUT):
EUT Name: HD Wireless Conference Phone
Model No.: CP935W
Trade Mark: YEALINK
Standard(s) : 47 CFR Part 15, Subpart E 15.407
Date of Receipt: 2022-09-07
Date of Test: 2022-09-24 to 2022-11-08
Date of Issue: 2023-01-09

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

Ricky Liu

Ricky Liu
Manager



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Revision Record			
Version	Report No.	Date	Remark
01		2023-01-09	Original

Authorized for issue by			
			
		Curry Wu/Project Engineer	
			
		Ricky Liu/Reviewer	



2 Test Summary

Radio Spectrum Technical Requirement				
Item	Standard	Method	Requirement	Result
Antenna Requirement	47 CFR Part 15, Subpart E 15.407	N/A	47 CFR Part 15, Subpart C 15.203	Pass
Transmission in the Absence of Data		N/A	47 CFR Part 15, Subpart C 15.407 (c)	Pass

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart E 15.407	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207 & 15.407 b(6)	Pass
Radiated Emissions which fall in the restricted bands		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & 15.407(b)	Pass
Radiated Emissions (below 1GHz)		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & 15.407(b)	Pass
Radiated Emissions (above 1GHz)		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & 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:

The modular approval by TCB, FCC ID: T2C-YL430132, Granted on 12/10/2021.

The host approval by TCB, FCC ID: T2C- CP935W, Granted on 01/05/2023.

The module installed into host platform mentioned above is electronically and mechanically identical to the original certified module. The Original FCC testing on module under FCC ID: T2C-YL430132 was performed with an antenna which was connected to the module in an open environment. The current host platform under application uses a new antenna of the different type, higher gain and is installed inside the host platform enclosure.

Therefore in this report Conducted Emissions at AC Power Line (150kHz-30MHz), Radiated Emissions which fall in the restricted bands and Radiated Spurious Emissions were fully retested on model and shown the data in this report.



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9 EUT Constructional Details (EUT Photos).....110



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4 General Information

4.1 Details of E.U.T.

Power supply:	Rechargeable battery DC3.7V, 7800mAh ,charged by adapter Powered by adapter Adapter No.: YLPS121250C1-3C Input: AC100-240V; 50/60Hz; 0.5A Output: DC12.0V 1.25A
Cable(s):	DC cable: 250cm unshielded DC cable: 85cm unshielded USB Type C cable: 85cm unshielded U-NII-1: 5180-5240MHz;
Operation Frequency (20MHz):	U-NII-2A: 5260-5320MHz; U-NII-2C: 5500-5700MHz; U-NII-3: 5745-5825MHz
Modulation Type:	802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK); 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM)
Channel Spacing:	802.11a/n(HT20): 20MHz
DFS Function:	Slave without Radar detection
TPC Function:	Without TPC function
Antenna Type:	FPC Antenna
Antenna Gain:	3.57dBi declared by applicant

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
--	--	--	--
The EUT has been tested as an independent unit.			

4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at AC Power Line (150kHz-30MHz)	±2.76dB
Radiated Emissions which fall in the restricted bands	±5.00dB (30MHz-1GHz; 3m); ± 5.12dB (1GHz-6GHz); ± 5.38dB (6GHz-18GHz); ± 5.61dB (18GHz-40GHz)
Radiated Emissions (below 1GHz)	±5.00dB (30MHz-1GHz; 3m); ±4.38dB (30MHz-1GHz; 10m);
Radiated Emissions (above 1GHz)	± 5.12dB (1GHz-6GHz); ± 5.38dB (6GHz-18GHz); ± 5.61dB (18GHz-40GHz)

4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou Branch EMC Laboratory,
198 Kezhu Road, Sciencetech Park, Guangzhou Economic & Technology Development District,
Guangzhou, China 510663

Tel: +86 20 82155555 Fax: +86 20 82075059

No tests were sub-contracted.

4.5 Test Facility

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

- **NVLAP (Lab Code: 200611-0)**

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou EMC Laboratory is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP/NIST). NVLAP Code: 200611-0.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

- **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.



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4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



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5 Equipment List

Conducted Emissions at AC Power Line (150kHz-30MHz)					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Shielding Room	ChangZhou ZhongYu	8m x 3m x 3.8m	EMC0306	N/A	N/A
Two-Line V-Network	Rohde & Schwarz	ENV216	EMC0118	2021-12-23	2022-12-22
Two-Line V-Network-GZ	Rohde & Schwarz	ENV216	EMC2135	2022-09-09	2023-09-08
Coaxial Cable	HangTianXing	2m	EMC0107	2022-08-24	2023-08-23
Test Software E3c	Audix	Ver. 5.4.1221b	GZE100-62	N/A	N/A
EMI Test Receiver(9kHz-3.6GHz)	Rohde & Schwarz	ESR3	EMC2221	2022-05-20	2023-05-19

Radiated Emissions which fall in the restricted bands					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
EMI Test Receiver(20Hz-26.5GHz)	Rohde & Schwarz	ESIB26	EMC0522	2021-12-17	2022-12-16
Chamber cable(Above 1GHz)	Scoflex	KMKM-8.0m	EMC0545	2022-08-24	2024-08-23
Horn Antenna(1GHz-18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120D	EMC2026	2022-09-21	2025-09-20
1GHz-26.5 GHz Pre-Amplifier	Agilent	8449B	EMC0521	2021-12-17	2022-12-16
2.4GHz Filter	Micro-Tronics	BRM 50702	EMC2069	2021-12-17	2022-12-16
966 Anechoic Chamber	C.R.T	9m x 6m x 6m	EMC2142	2020-12-20	2023-12-19
MXE EMI Receiver(10Hz-8.4GHz)	Keysight	N9038A	EMC2139	2021-11-01	2022-10-31
				2022-10-21	2023-10-20
EXA Signal Analyzer(10Hz-44GHz)	Keysight	N9010A	EMC2138	2022-09-08	2023-09-07
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A
Notch Filter (5150-5880)	Mico-Tronics	BRM50716	EMC2168	2022-07-29	2023-07-28
Horn Antenna(14-40GHz)	SCHWARZBECK	BBHA 9170	EMC2041	2020-06-28	2023-06-27
Microwave Broadband Preamplifier (18-40GHz)	SCHWARZBECK	BBV 9721	EMC2172	2022-08-24	2023-08-23



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Radiated Spurious Emissions (Below 1GHz)					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
EMI Test Receiver(10Hz-26.5GHz)	Rohde & Schwarz	ESIB26	EMC0522	2021-12-17	2022-12-16
Chamber cable	HangTianXing	N/A	EMC0542	2022-08-24	2023-08-23
Trilog Broadband Antenna(25MHz-1GHz)-Lab	SCHWARZBECK MESS-ELEKTRONIK	VULB 9168	EMC2174	2022-06-19	2025-06-18
Amplifier(9kHz-1.3GHz)	HP	8447F	EMC2065	2022-06-21	2023-06-20
Active Loop Antenna-RED	ETS-Lindgren	6502	EMC2190	2022-04-06	2024-04-05
High Pass Filter (915MHz)	FSY MICROWAVE	HM1465-9SS	EMC2079	2021-12-17	2022-12-16
10m Semi-Anechoic Chamber	ETS	N/A	EMC0530	2019-10-20	2022-10-19
				2022-10-16	2025-10-15
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A
EMI Test Receiver(1Hz-8GHz)	Rohde & Schwarz	ESW8	EMC2220	2022-05-20	2023-05-19

Radiated Spurious Emissions (Above 1GHz)					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
EMI Test Receiver(20Hz-26.5GHz)	Rohde & Schwarz	ESIB26	EMC0522	2021-12-17	2022-12-16
Chamber cable(Above 1GHz)	Scoflex	KMKM-8.0m	EMC0545	2022-08-24	2024-08-23
Horn Antenna(1GHz-18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120D	EMC2026	2022-09-21	2025-09-20
1GHz-26.5 GHz Pre-Amplifier	Agilent	8449B	EMC0521	2021-12-17	2022-12-16
2.4GHz Filter	Micro-Tronics	BRM 50702	EMC2069	2021-12-17	2022-12-16
966 Anechoic Chamber	C.R.T	9m x 6m x 6m	EMC2142	2020-12-20	2023-12-19
MXE EMI Receiver(10Hz-8.4GHz)	Keysight	N9038A	EMC2139	2021-11-01	2022-10-31
				2022-10-21	2023-10-20
EXA Signal Analyzer(10Hz-44GHz)	Keysight	N9010A	EMC2138	2022-09-08	2023-09-07
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A
Notch Filter (5150-5880)	Mico-Tronics	BRM50716	EMC2168	2022-07-29	2023-07-28
Horn Antenna(14-40GHz)	SCHWARZBECK	BBHA 9170	EMC2041	2020-06-28	2023-06-27



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Microwave Broadband Preamplifier (18-40GHz)	SCHWARZBECK	BBV 9721	EMC2172	2022-08-24	2023-08-23
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General used equipment					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DMM	Fluke	73	EMC0006	2022-06-24	2023-06-23
DMM	Fluke	73	EMC0007	2022-06-24	2023-06-23



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6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

6.1.2 Conclusion

15.203 Requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of 15.211, 15.213, 15.217, 15.219, 15.221, or 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 3.57dBi.

Antenna location: Refer to internal photo.



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6.2 Transmission in the Absence of Data

6.2.1 Test Requirement:

47 CFR Part 15, Subpart C 15.407 (c)

6.2.2 Conclusion

Standard Requirement:

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signalling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals.

Applicants shall include in their application for equipment authorization a description of how this requirement is met.

EUT Details:

WIFI chip (YL430132) support automatically discontinue transmission in case of either absence of information to transmit or operational failure, if the chip detect absence of information to transmit or operational failure, it will be automatically shut off.

7 Radio Spectrum Matter Test Results

7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)

Test Requirement 47 CFR Part 15, Subpart C 15.207 & 15.407 b(6)

Test Method: ANSI C63.10 (2013) Section 6.2

Limit:

Frequency of emission(MHz)	Conducted limit(dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 25.2 °C

Humidity: 51.5 % RH

Atmospheric Pressure: 1015 mbar

7.1.2 Test Mode Description

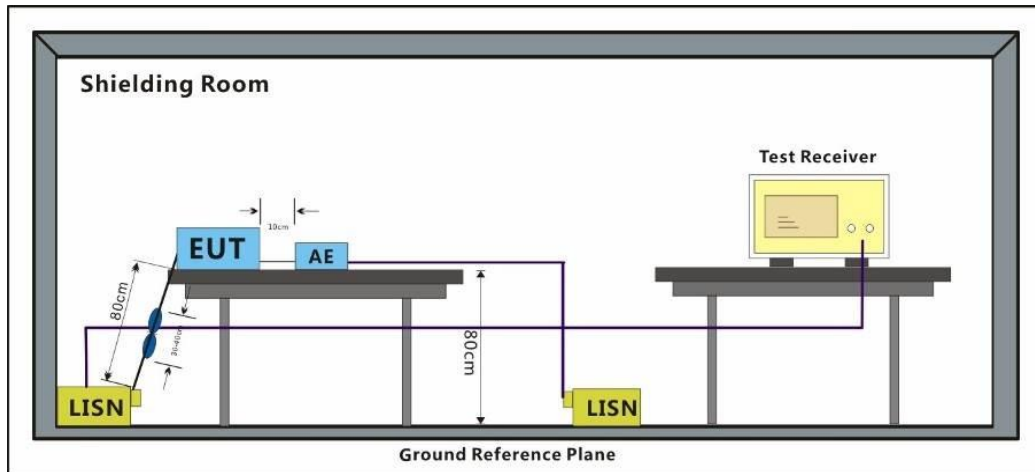
Pre-scan / Final test	Mode Code	Description
Final test	10	Charge+TX mode (U-NII-1)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20). Only the data of worst case is recorded in the report.
Pre-scan	11	Charge+TX mode (U-NII-2A)_Keep the EUT in charging and continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20). Only the data of worst case is recorded in the report.
Pre-scan	12	Charge+TX mode (U-NII-2C)_Keep the EUT in charging and continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20). Only the data of worst case is recorded in the report.
Pre-scan	13	Charge+TX mode (U-NII-3)_Keep the EUT in charging and continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20). Only the data of worst case is recorded in the report.



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7.1.3 Test Setup Diagram



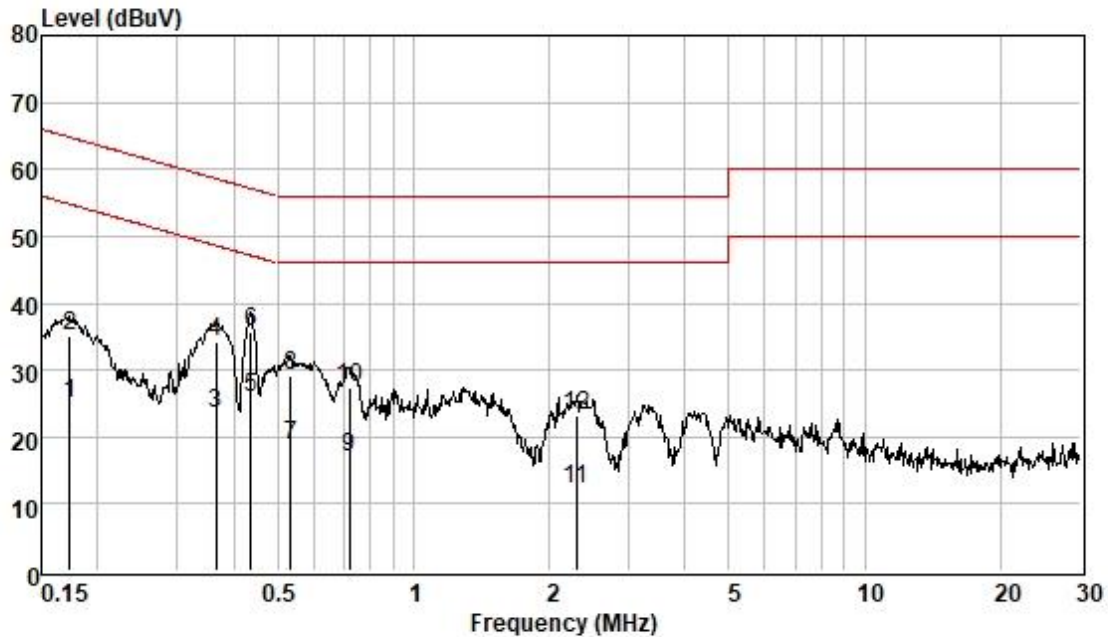
7.1.4 Measurement Procedure and Data

- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50μH + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Remark:

- 1)Level=Read Level+ Cable Loss+ LISN Factor
- 2) Through pre-scan found the worst case is the lowest channel. Only the worst case is recorded in the report.

Test Mode: 10; Line: Live line; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



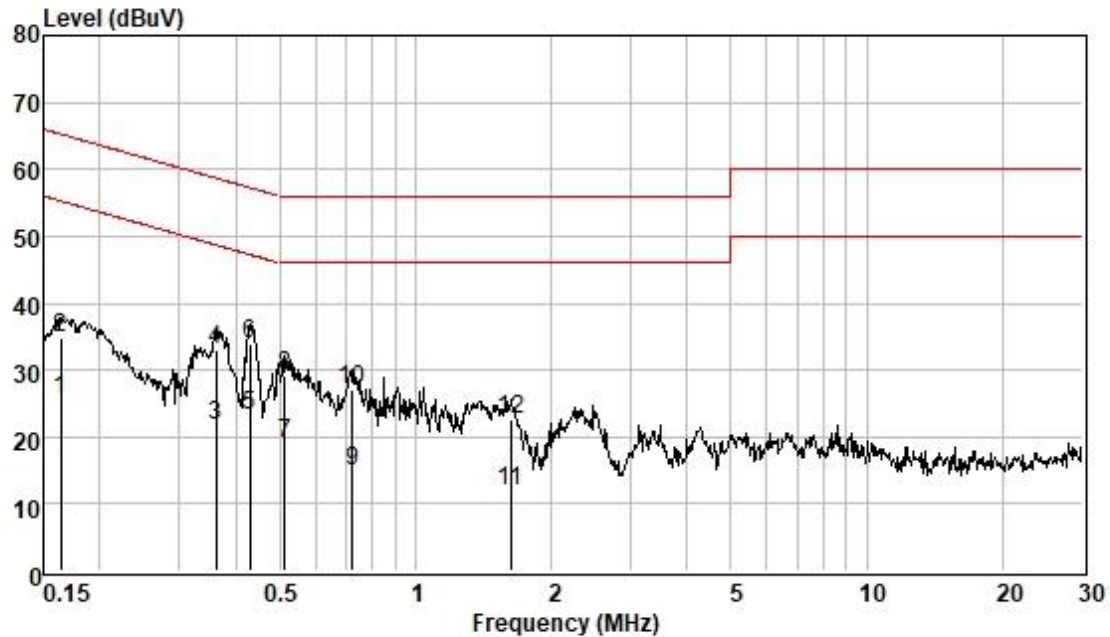
Pol :LINE

Mode :

Model :

	Freque MHz	Read Level dBuV	Cable Loss dB	LISN Factor dB	Measured Level dBuV	Limit Line dBuV	Over Limit dB	Remark
1	0.173	15.24	0.06	9.55	24.85	54.81	-29.96	Average
2	0.173	25.49	0.06	9.55	35.10	64.81	-29.71	QP
3	0.365	13.73	0.06	9.58	23.37	48.61	-25.24	Average
4	0.365	24.46	0.06	9.58	34.10	58.61	-24.51	QP
5	0.437	16.31	0.06	9.58	25.95	47.11	-21.16	Average
6	0.437	25.94	0.06	9.58	35.58	57.11	-21.53	QP
7	0.535	9.07	0.07	9.59	18.73	46.00	-27.27	Average
8	0.535	19.60	0.07	9.59	29.26	56.00	-26.74	QP
9	0.720	7.42	0.07	9.59	17.08	46.00	-28.92	Average
10	0.720	17.78	0.07	9.59	27.44	56.00	-28.56	QP
11	2.297	2.43	0.12	9.60	12.15	46.00	-33.85	Average
12	2.297	13.51	0.12	9.60	23.23	56.00	-32.77	QP

Test Mode: 10; Line: Neutral Line; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Pol : NEUTRAL

Mode :

Model :

	Freque	Read	Cable	LISN	Measured	Limit	Over	Remark
	nc	Level	Loss	Factor	Level	Line	Limit	
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.164	15.87	0.06	9.54	25.47	55.25	-29.78	Average
2	0.164	25.26	0.06	9.54	34.86	65.25	-30.39	QP
3	0.361	12.09	0.06	9.57	21.72	48.69	-26.97	Average
4	0.361	23.24	0.06	9.57	32.87	58.69	-25.82	QP
5	0.431	13.63	0.06	9.58	23.27	47.24	-23.97	Average
6	0.431	24.29	0.06	9.58	33.93	57.24	-23.31	QP
7	0.513	9.41	0.07	9.58	19.06	46.00	-26.94	Average
8	0.513	19.50	0.07	9.58	29.15	56.00	-26.85	QP
9	0.724	5.13	0.07	9.59	14.79	46.00	-31.21	Average
10	0.724	17.47	0.07	9.59	27.13	56.00	-28.87	QP
11	1.628	2.33	0.10	9.59	12.02	46.00	-33.98	Average
12	1.628	12.77	0.10	9.59	22.46	56.00	-33.54	QP

7.2 Radiated Emissions which fall in the restricted bands

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

Test Method: KDB 789033 D02 II G

Measurement 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.

7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 24.6 °C

Humidity: 49.5 % RH

Atmospheric Pressure: 1015 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	06	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all



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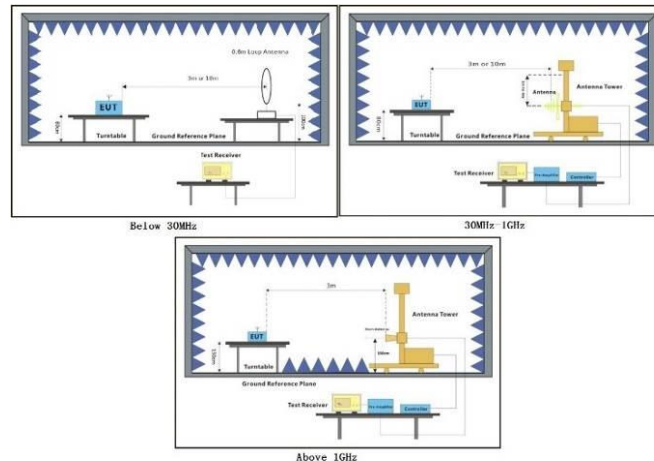
		modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20). Only the data of worst case is recorded in the report.
Pre-scan	07	TX mode (U-NII-2A)_Keep the EUT in 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(HT20). Only the data of worst case is recorded in the report.
Pre-scan	08	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(HT20). Only the data of worst case is recorded in the report.
Pre-scan	09	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20). Only the data of worst case is recorded in the report.
Final test	10	Charge+TX mode (U-NII-1)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20). Only the data of worst case is recorded in the report.
Final test	11	Charge+TX mode (U-NII-2A)_Keep the EUT in charging and continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20). Only the data of worst case is recorded in the report.
Final test	12	Charge+TX mode (U-NII-2C)_Keep the EUT in charging and continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20). Only the data of worst case is recorded in the report.
Final test	13	Charge+TX mode (U-NII-3)_Keep the EUT in charging and continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20). Only the data of worst case is recorded in the report.



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7.2.3 Test Setup Diagram

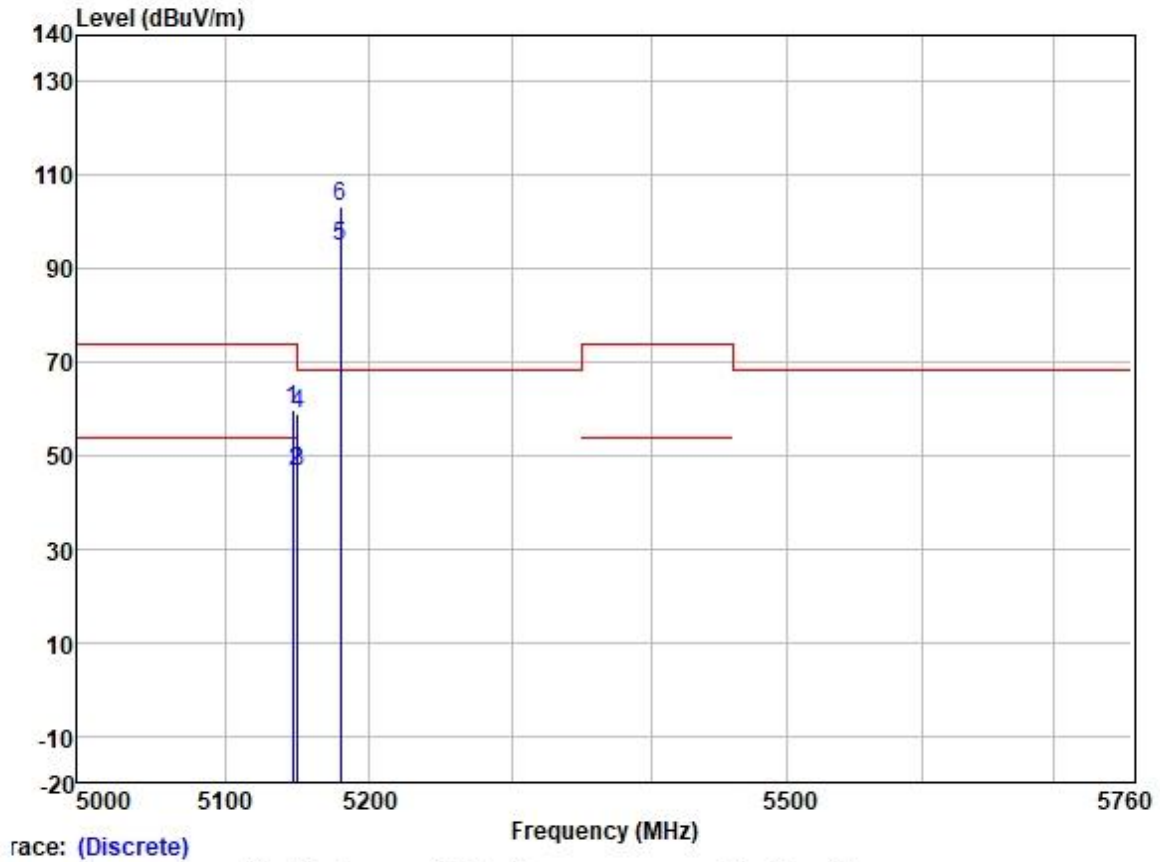


7.2.4 Measurement Procedure and Data

- 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.
- 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 or 10 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, quasi-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.

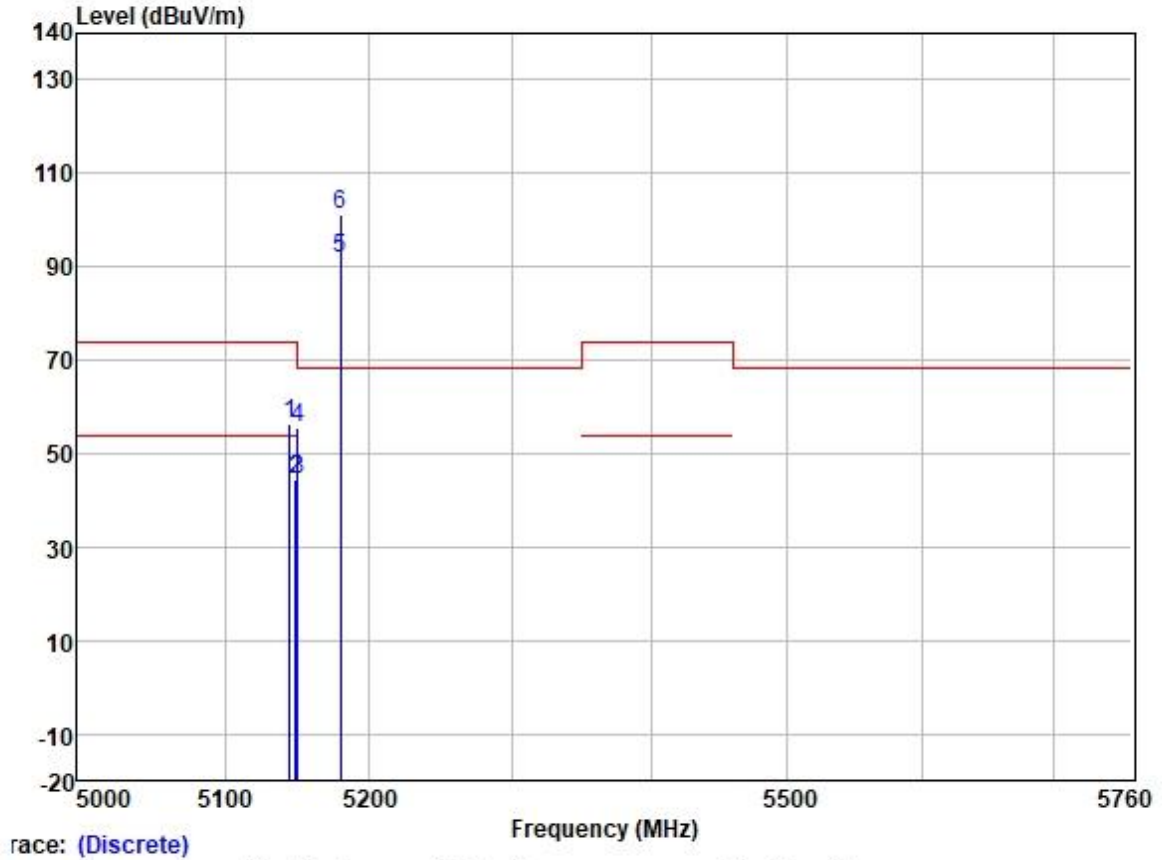
Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Test Mode: 10; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



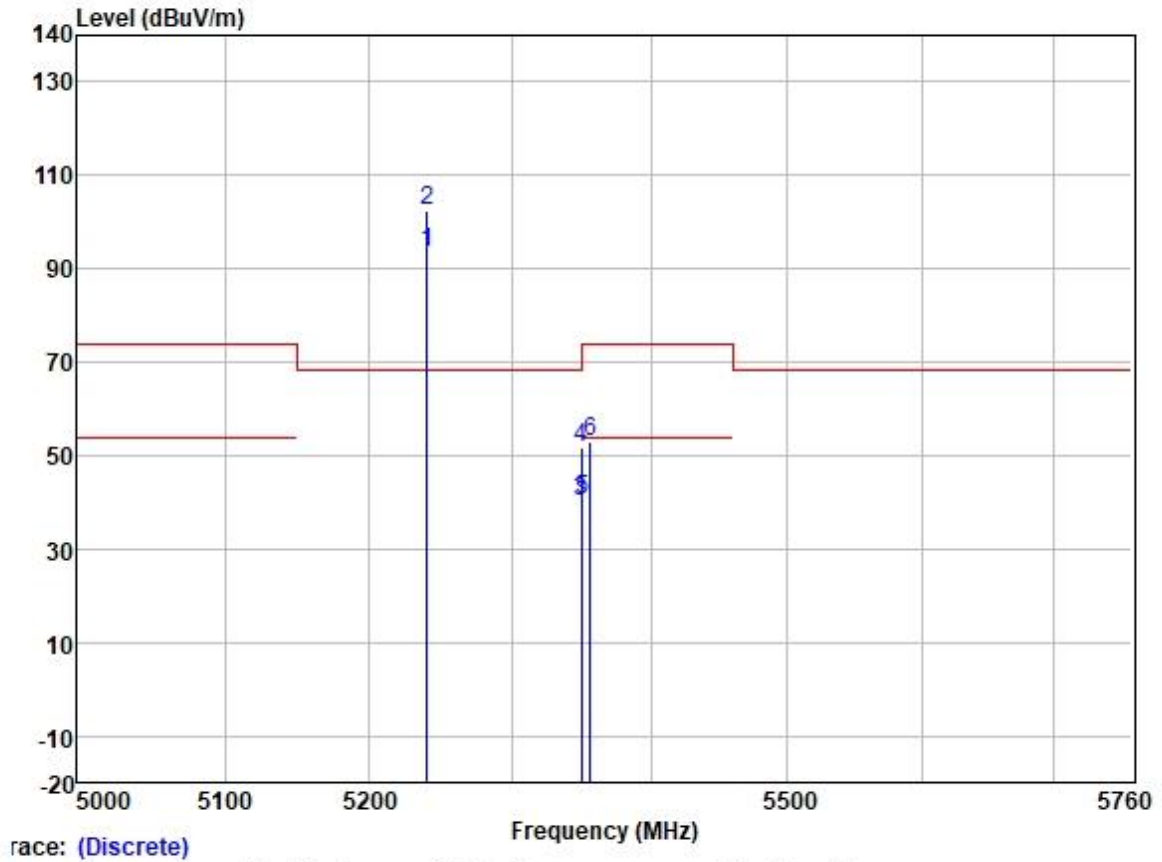
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5146.258	59.15	31.72	5.62	36.86	59.63	74.00	-14.37	HORIZONTAL	Peak
2	5149.357	46.19	31.72	5.62	36.86	46.67	54.00	-7.33	HORIZONTAL	Average
3	5149.980	46.12	31.72	5.62	36.86	46.60	54.00	-7.40	HORIZONTAL	Average
4	5149.980	58.32	31.72	5.62	36.86	58.80	74.00	-15.20	HORIZONTAL	Peak
5	5180.000	94.33	31.73	5.61	36.87	94.80	-----	-----	HORIZONTAL	Average
6 *	5180.000	102.95	31.73	5.61	36.87	103.42	68.20	35.22	HORIZONTAL	Peak

Test Mode: 10; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



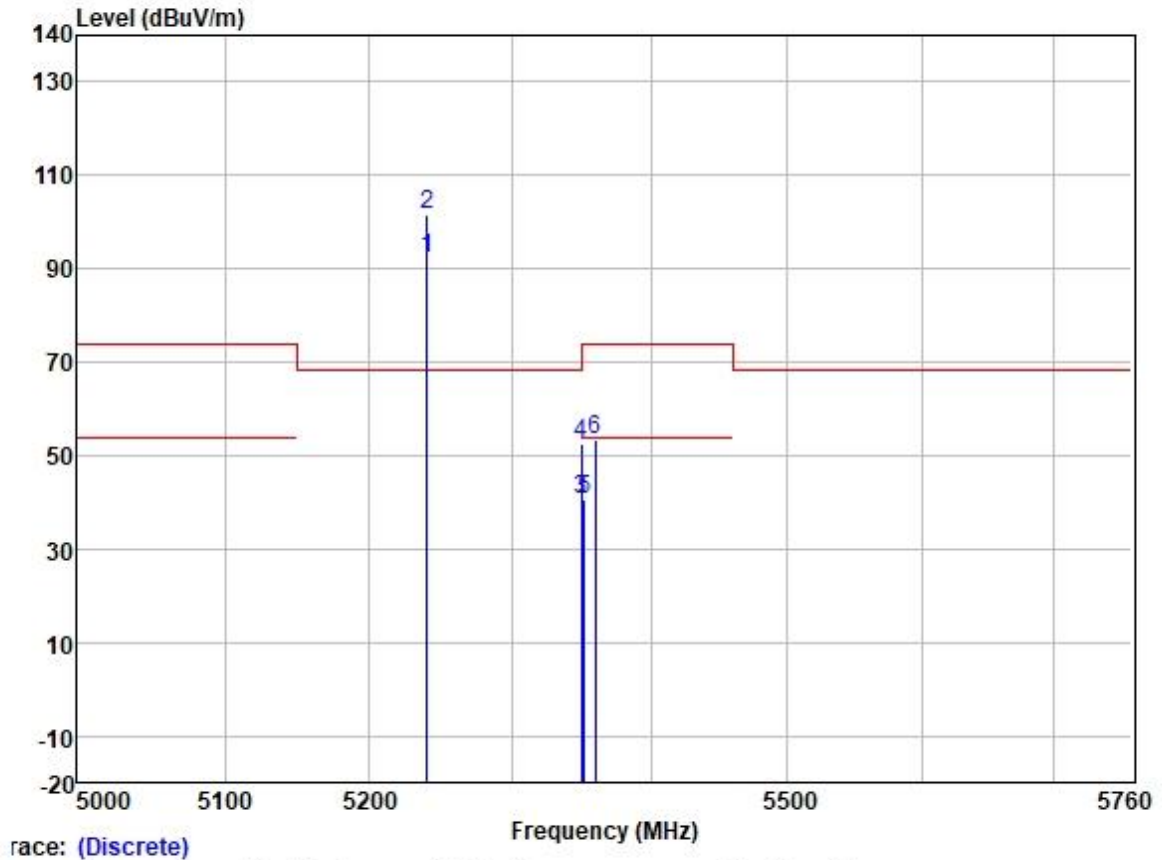
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	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5144.560	55.92	31.72	5.62	36.86	56.40	74.00	-17.60	VERTICAL	Peak
2	5148.357	43.79	31.72	5.62	36.86	44.27	54.00	-9.73	VERTICAL	Average
3	5149.980	43.86	31.72	5.62	36.86	44.34	54.00	-9.66	VERTICAL	Average
4	5149.980	55.18	31.72	5.62	36.86	55.66	74.00	-18.34	VERTICAL	Peak
5	5180.000	91.22	31.73	5.61	36.87	91.69	-----	-----	VERTICAL	Average
6 *	5180.000	100.70	31.73	5.61	36.87	101.17	68.20	32.97	VERTICAL	Peak

Test Mode: 10; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



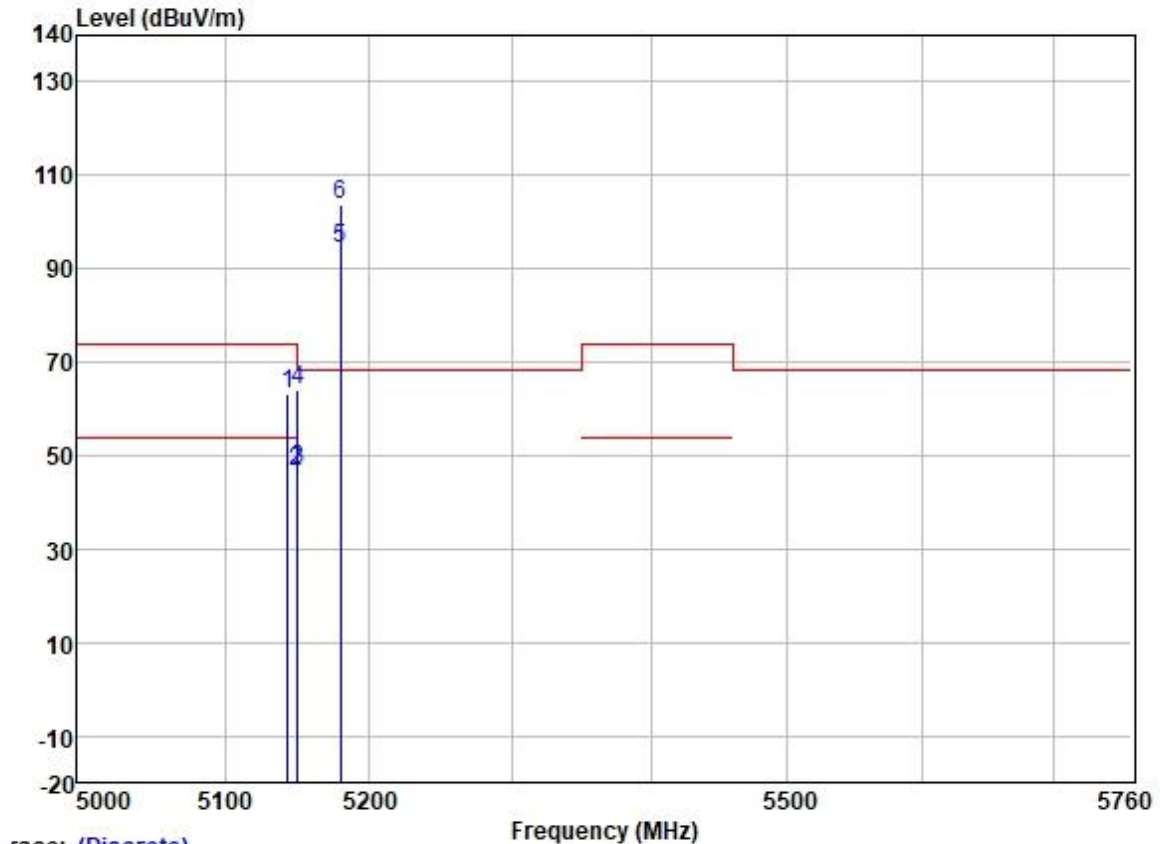
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5240.000	92.98	31.75	5.74	36.87	93.60	-----	-----	HORIZONTAL	Average
2 *	5240.000	101.94	31.75	5.74	36.87	102.56	68.20	34.36	HORIZONTAL	Peak
3	5350.020	39.41	31.77	6.05	36.88	40.35	54.00	-13.65	HORIZONTAL	Average
4	5350.020	50.80	31.77	6.05	36.88	51.74	74.00	-22.26	HORIZONTAL	Peak
5	5350.646	39.59	31.77	6.05	36.88	40.53	54.00	-13.47	HORIZONTAL	Average
6	5356.455	51.92	31.78	6.03	36.88	52.85	74.00	-21.15	HORIZONTAL	Peak

Test Mode: 10; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



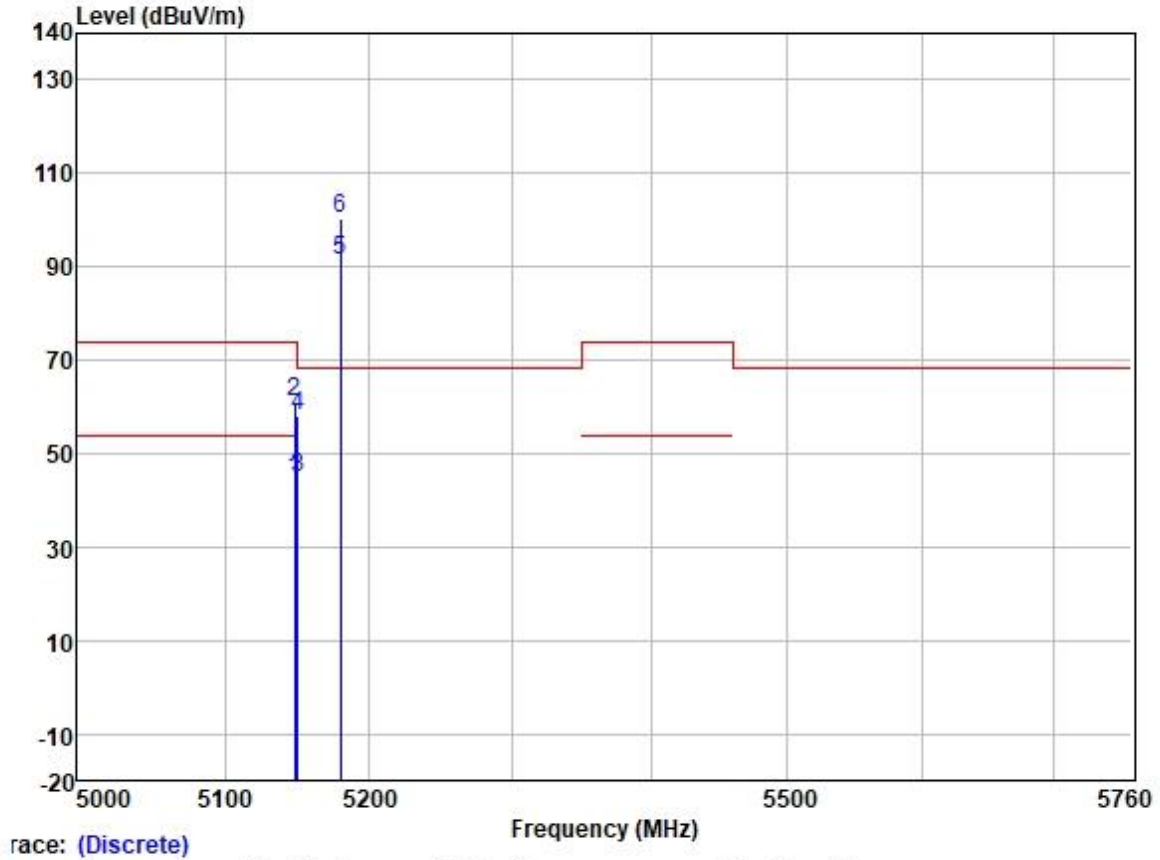
		Read	Antenna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5240.000	91.77	31.75	5.74	36.87	92.39	-----	-----	VERTICAL	Average
2 *	5240.000	100.99	31.75	5.74	36.87	101.61	68.20	33.41	VERTICAL	Peak
3	5350.020	39.50	31.77	6.05	36.88	40.44	54.00	-13.56	VERTICAL	Average
4	5350.020	51.63	31.77	6.05	36.88	52.57	74.00	-21.43	VERTICAL	Peak
5	5351.778	39.64	31.77	6.05	36.88	40.58	54.00	-13.42	VERTICAL	Average
6	5359.433	52.57	31.78	6.03	36.88	53.50	74.00	-20.50	VERTICAL	Peak

Test Mode: 10; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



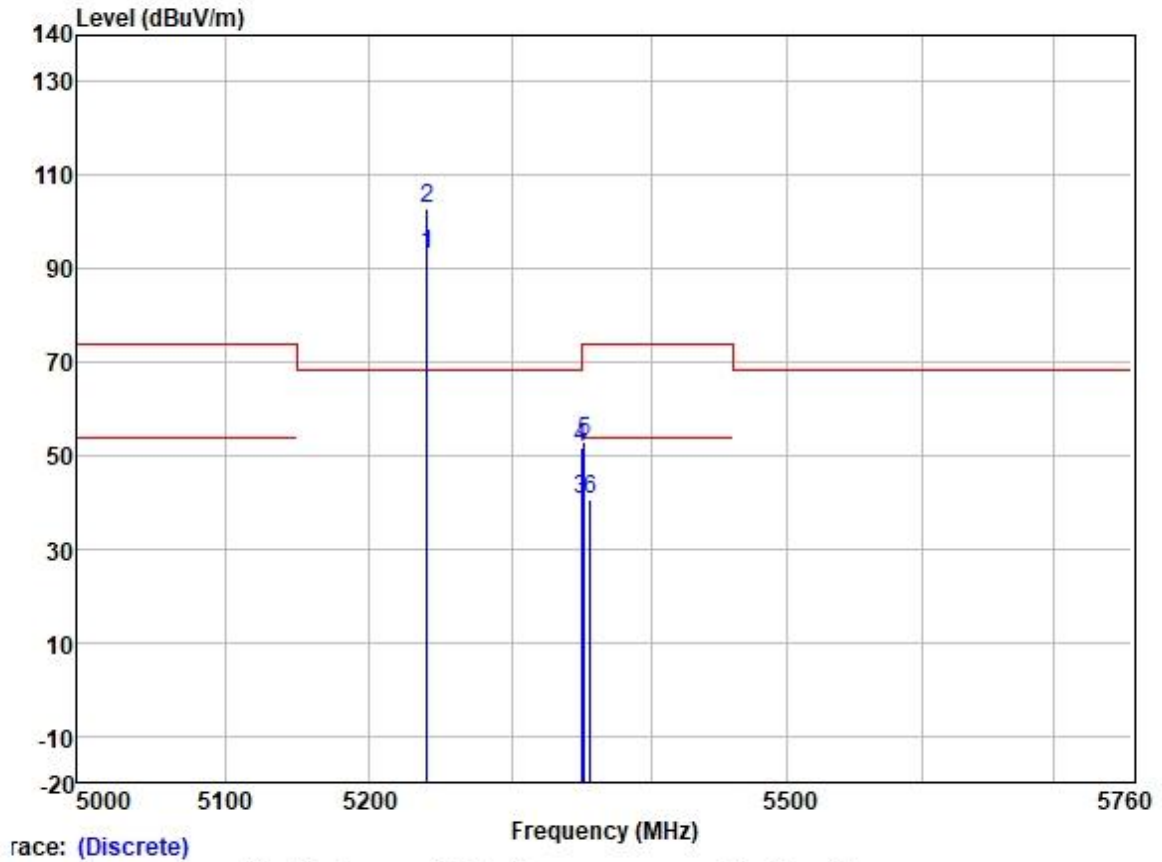
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5143.461	62.83	31.72	5.62	36.86	63.31	74.00	-10.69	HORIZONTAL	Peak
2	5149.458	46.22	31.72	5.62	36.86	46.70	54.00	-7.30	HORIZONTAL	Average
3	5149.980	46.36	31.72	5.62	36.86	46.84	54.00	-7.16	HORIZONTAL	Average
4	5149.980	63.74	31.72	5.62	36.86	64.22	74.00	-9.78	HORIZONTAL	Peak
5	5180.000	93.98	31.73	5.61	36.87	94.45	-----	-----	HORIZONTAL	Average
6 *	5180.000	103.46	31.73	5.61	36.87	103.93	68.20	35.73	HORIZONTAL	Peak

Test Mode: 10; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



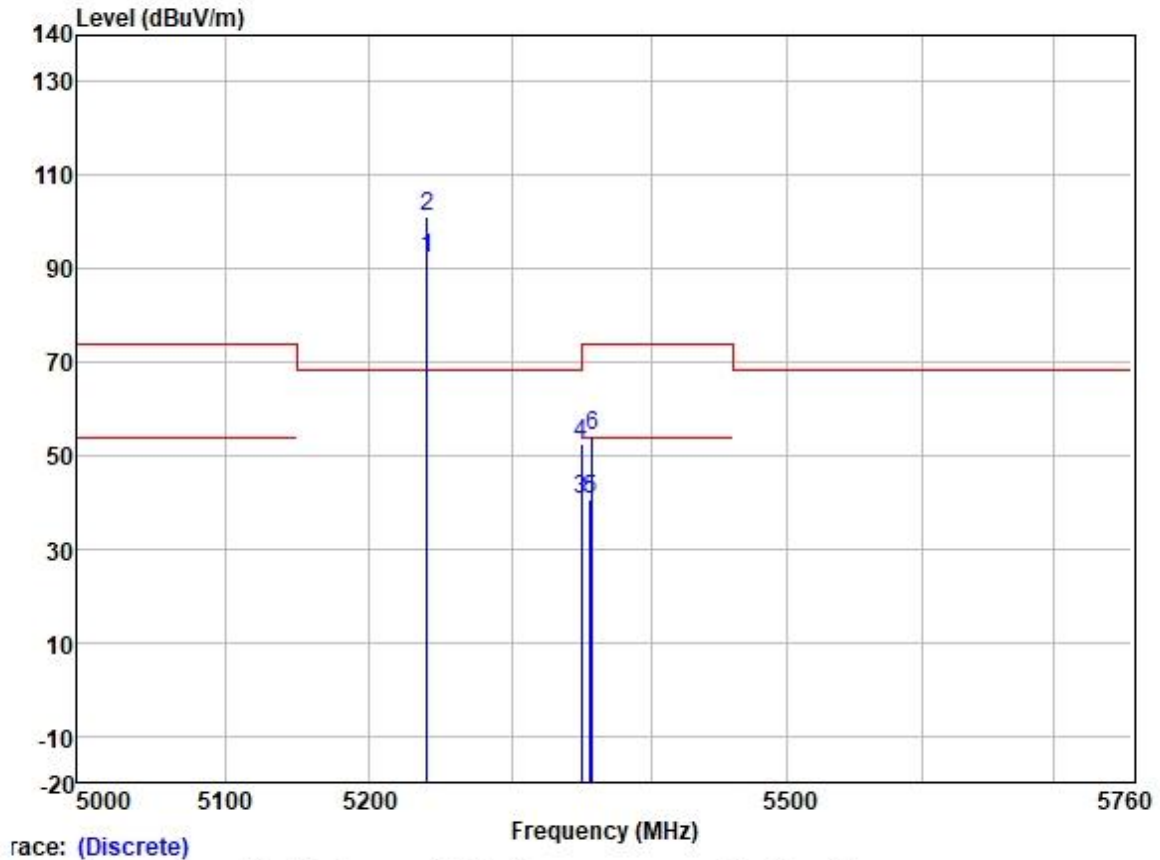
	ReadAntenna	Cable	Preamp	Limit	Over				
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5147.758	43.99	31.72	5.62	36.86	44.47	54.00	-9.53	VERTICAL Average
2	5147.857	60.40	31.72	5.62	36.86	60.88	74.00	-13.12	VERTICAL Peak
3	5149.980	44.18	31.72	5.62	36.86	44.66	54.00	-9.34	VERTICAL Average
4	5149.980	57.51	31.72	5.62	36.86	57.99	74.00	-16.01	VERTICAL Peak
5	5180.000	90.99	31.73	5.61	36.87	91.46	-----	-----	VERTICAL Average
6 *	5180.000	99.98	31.73	5.61	36.87	100.45	68.20	32.25	VERTICAL Peak

Test Mode: 10; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



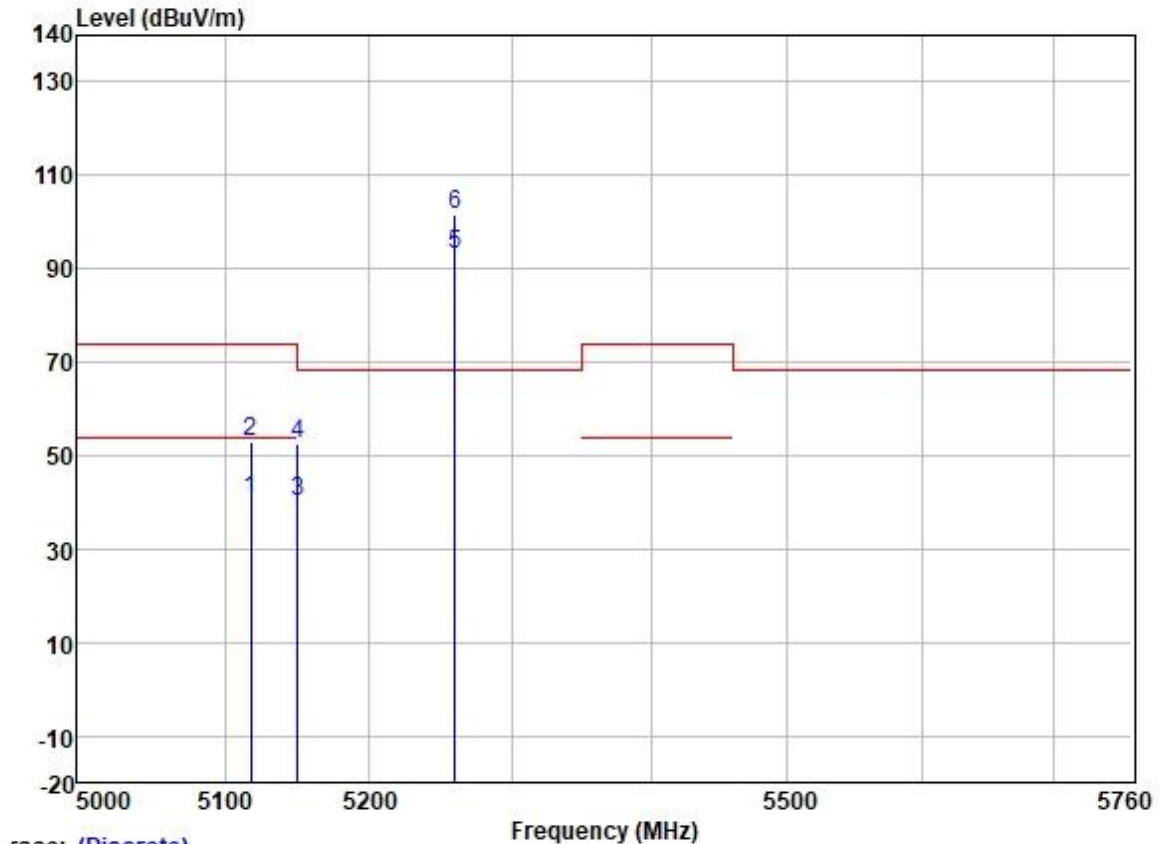
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5240.000	92.50	31.75	5.74	36.87	93.12	-----	-----	HORIZONTAL	Average
2 *	5240.000	102.08	31.75	5.74	36.87	102.70	68.20	34.50	HORIZONTAL	Peak
3	5350.020	39.57	31.77	6.05	36.88	40.51	54.00	-13.49	HORIZONTAL	Average
4	5350.020	50.91	31.77	6.05	36.88	51.85	74.00	-22.15	HORIZONTAL	Peak
5	5351.778	51.91	31.77	6.05	36.88	52.85	74.00	-21.15	HORIZONTAL	Peak
6	5356.455	39.62	31.78	6.03	36.88	40.55	54.00	-13.45	HORIZONTAL	Average

Test Mode: 10; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



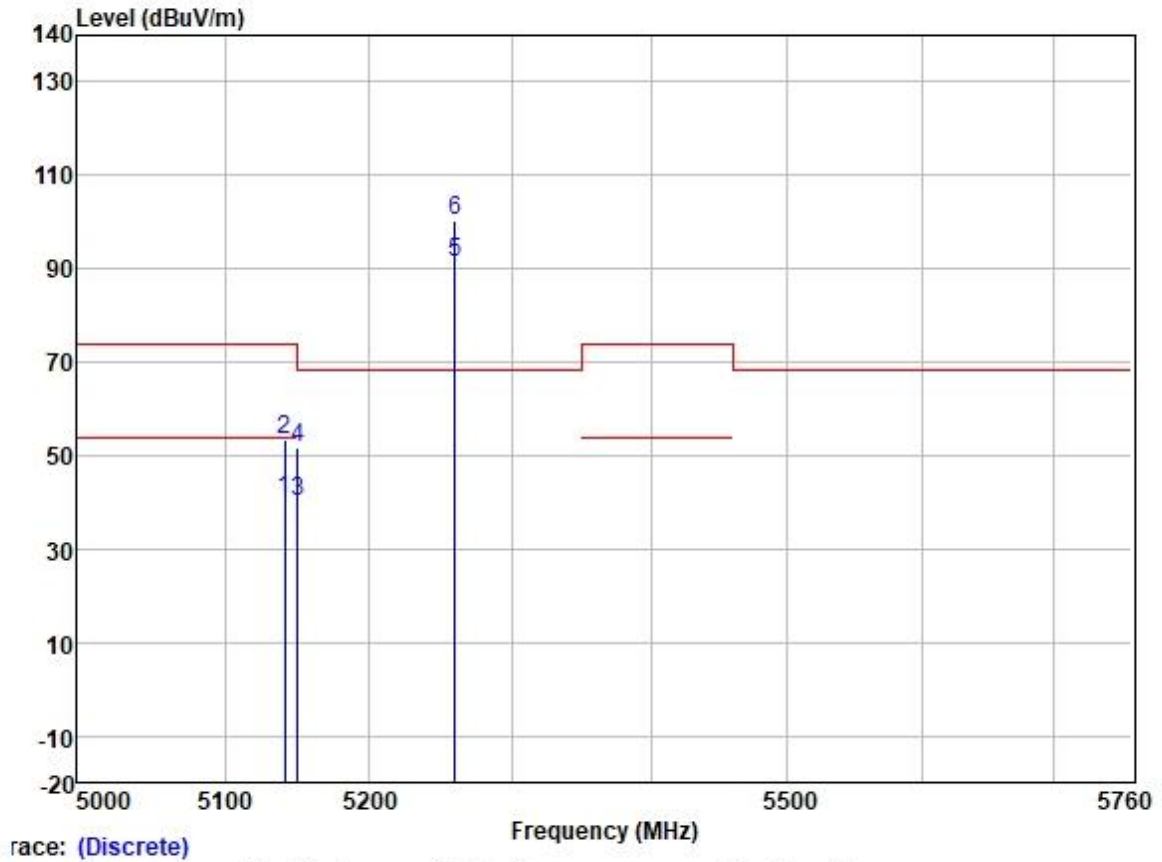
	Freq	ReadAntenna	Cable	Preamp	Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	Remark
1	5240.000	91.43	31.75	5.74	36.87	92.05	-----	-----	VERTICAL
2 *	5240.000	100.41	31.75	5.74	36.87	101.03	68.20	32.83	VERTICAL
3	5350.020	39.49	31.77	6.05	36.88	40.43	54.00	-13.57	VERTICAL
4	5350.020	51.78	31.77	6.05	36.88	52.72	74.00	-21.28	VERTICAL
5	5356.171	39.59	31.78	6.03	36.88	40.52	54.00	-13.48	VERTICAL
6	5357.873	53.21	31.78	6.03	36.88	54.14	74.00	-19.86	VERTICAL

Test Mode: 11; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



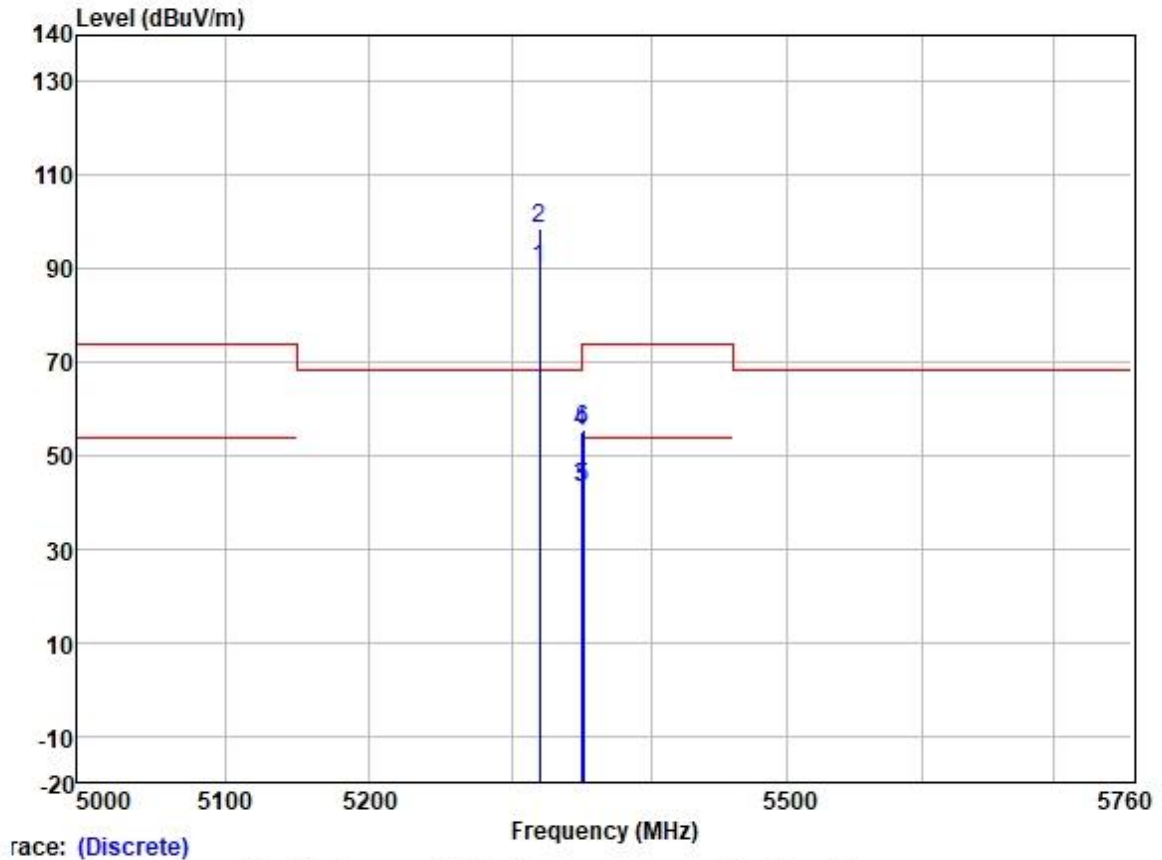
Race: (Discrete)	Frequency (MHz)									
	Freq	ReadAntenna	Cable	Preamp		Limit	Over	Pol/Phase	Remark	
		Level	Factor	Loss	Factor	Level	Line			Limit
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5117.543	40.05	31.72	5.64	36.86	40.55	54.00	-13.45	HORIZONTAL	Average
2	5117.543	52.54	31.72	5.64	36.86	53.04	74.00	-20.96	HORIZONTAL	Peak
3	5149.980	39.81	31.72	5.62	36.86	40.29	54.00	-13.71	HORIZONTAL	Average
4	5149.980	52.21	31.72	5.62	36.86	52.69	74.00	-21.31	HORIZONTAL	Peak
5	5260.000	92.26	31.75	5.77	36.87	92.91	-----	-----	HORIZONTAL	Average
6 *	5260.000	100.99	31.75	5.77	36.87	101.64	68.20	33.44	HORIZONTAL	Peak

Test Mode: 11; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



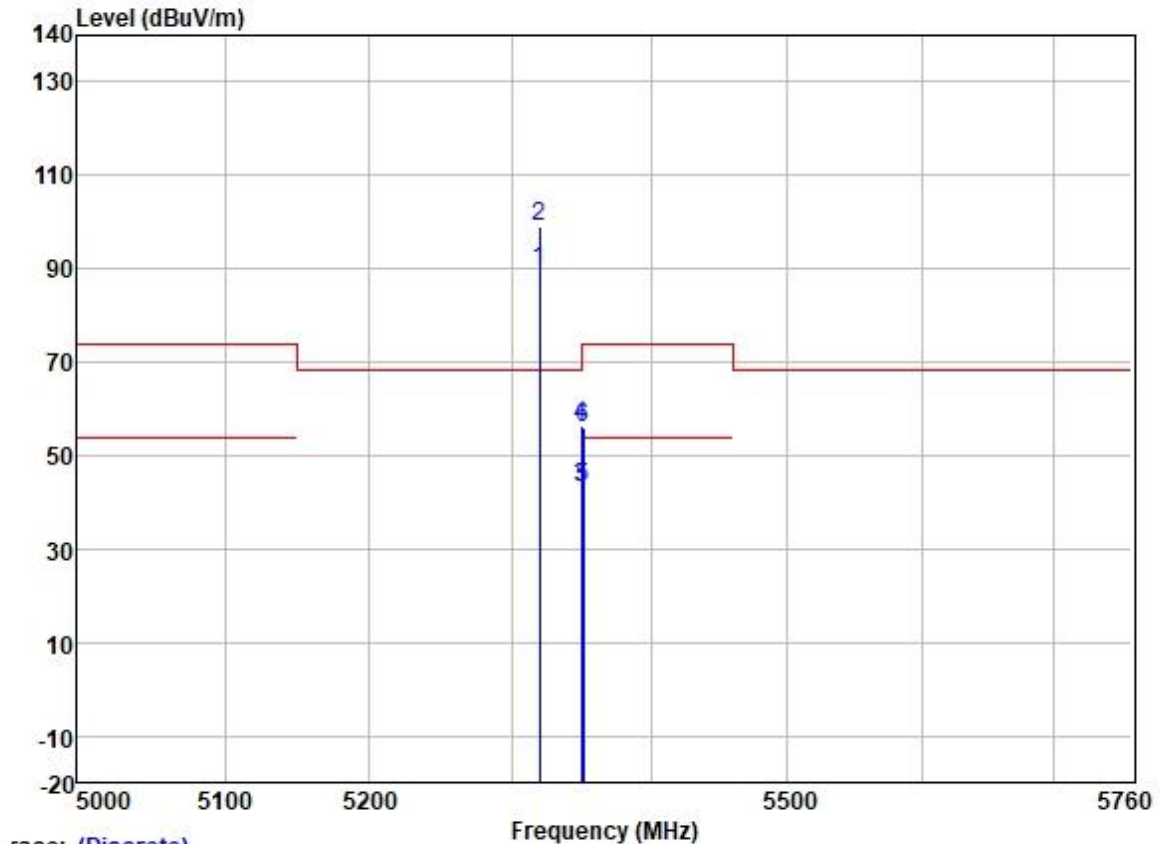
	Read Freq	Antenna Level	Cable Factor	Preamp Loss	Preamp Factor	Limit Level	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5141.206	40.04	31.72	5.63	36.86	40.53	54.00	-13.47	VERTICAL Average
2	5141.206	52.78	31.72	5.63	36.86	53.27	74.00	-20.73	VERTICAL Peak
3	5149.980	39.76	31.72	5.62	36.86	40.24	54.00	-13.76	VERTICAL Average
4	5149.980	51.36	31.72	5.62	36.86	51.84	74.00	-22.16	VERTICAL Peak
5	5260.000	90.65	31.75	5.77	36.87	91.30	-----	-----	VERTICAL Average
6 *	5260.000	99.70	31.75	5.77	36.87	100.35	68.20	32.15	VERTICAL Peak

Test Mode: 11; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



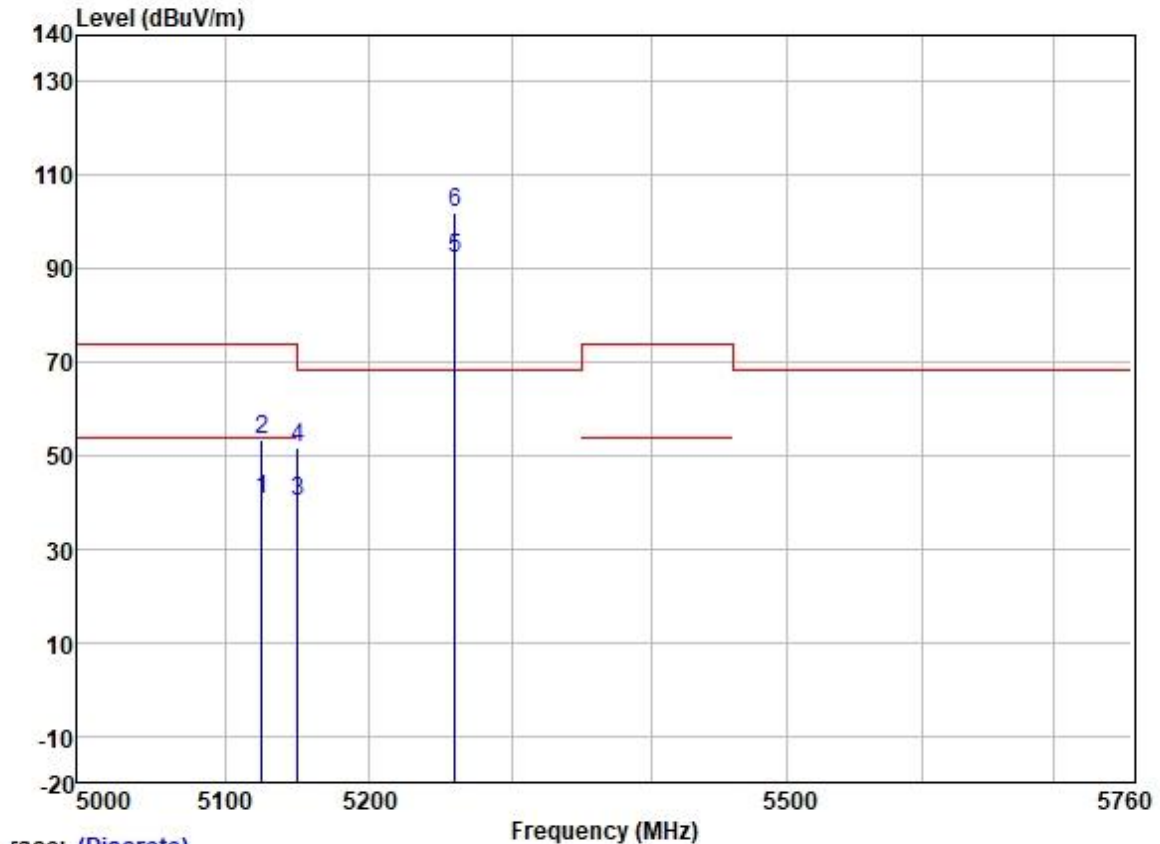
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5320.000	89.28	31.77	6.08	36.88	90.25	-----	-----	HORIZONTAL	Average
2 *	5320.000	97.76	31.77	6.08	36.88	98.73	68.20	30.53	HORIZONTAL	Peak
3	5350.020	42.07	31.77	6.05	36.88	43.01	54.00	-10.99	HORIZONTAL	Average
4	5350.020	54.23	31.77	6.05	36.88	55.17	74.00	-18.83	HORIZONTAL	Peak
5	5350.566	42.16	31.77	6.05	36.88	43.10	54.00	-10.90	HORIZONTAL	Average
6	5350.866	54.59	31.77	6.05	36.88	55.53	74.00	-18.47	HORIZONTAL	Peak

Test Mode: 11; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5320.000	88.75	31.77	6.08	36.88	89.72	-----	-----	VERTICAL	Average
2 *	5320.000	98.27	31.77	6.08	36.88	99.24	68.20	31.04	VERTICAL	Peak
3	5350.020	42.13	31.77	6.05	36.88	43.07	54.00	-10.93	VERTICAL	Average
4	5350.020	55.23	31.77	6.05	36.88	56.17	74.00	-17.83	VERTICAL	Peak
5	5350.966	42.14	31.77	6.05	36.88	43.08	54.00	-10.92	VERTICAL	Average
6	5350.966	54.98	31.77	6.05	36.88	55.92	74.00	-18.08	VERTICAL	Peak

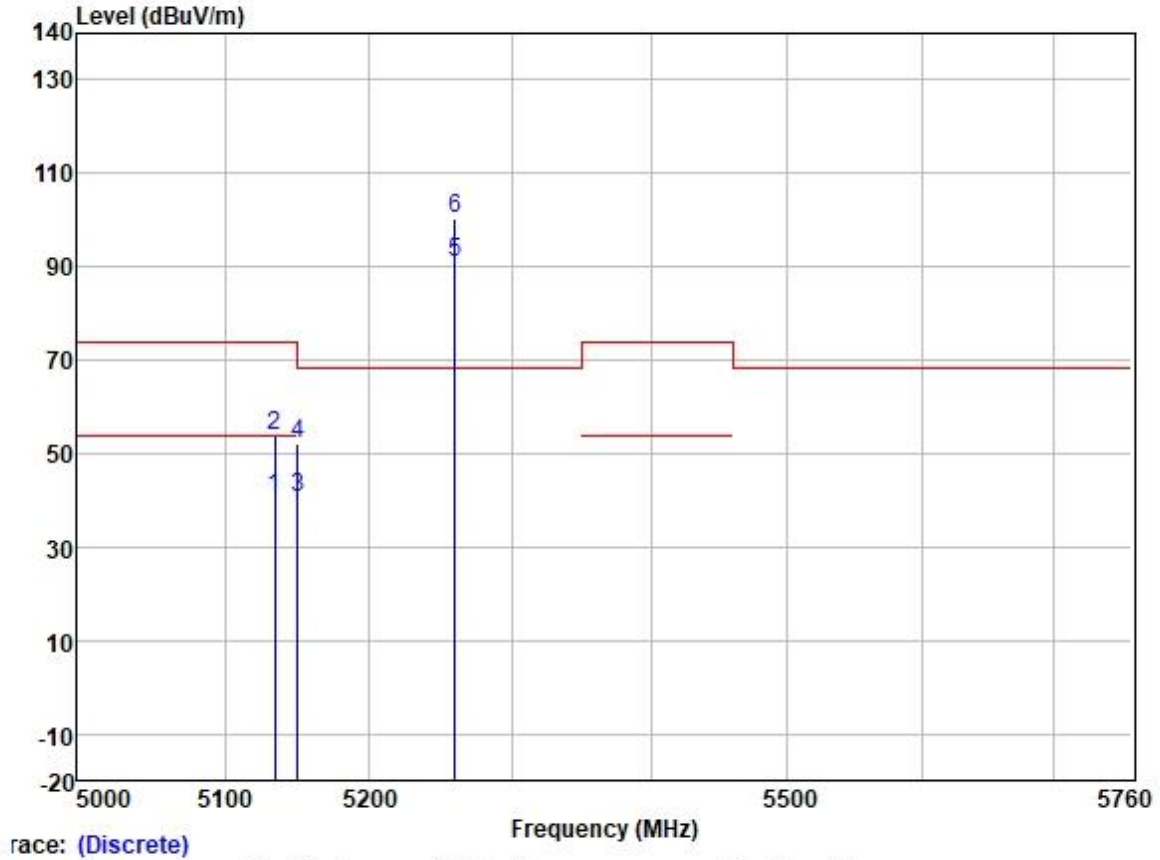
Test Mode: 11; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5125.537	40.04	31.72	5.64	36.86	40.54	54.00	-13.46	HORIZONTAL	Average
2	5125.537	52.74	31.72	5.64	36.86	53.24	74.00	-20.76	HORIZONTAL	Peak
3	5149.980	39.89	31.72	5.62	36.86	40.37	54.00	-13.63	HORIZONTAL	Average
4	5149.980	51.23	31.72	5.62	36.86	51.71	74.00	-22.29	HORIZONTAL	Peak
5	5260.000	91.75	31.75	5.77	36.87	92.40	-----	-----	HORIZONTAL	Average
6 *	5260.000	101.54	31.75	5.77	36.87	102.19	68.20	33.99	HORIZONTAL	Peak

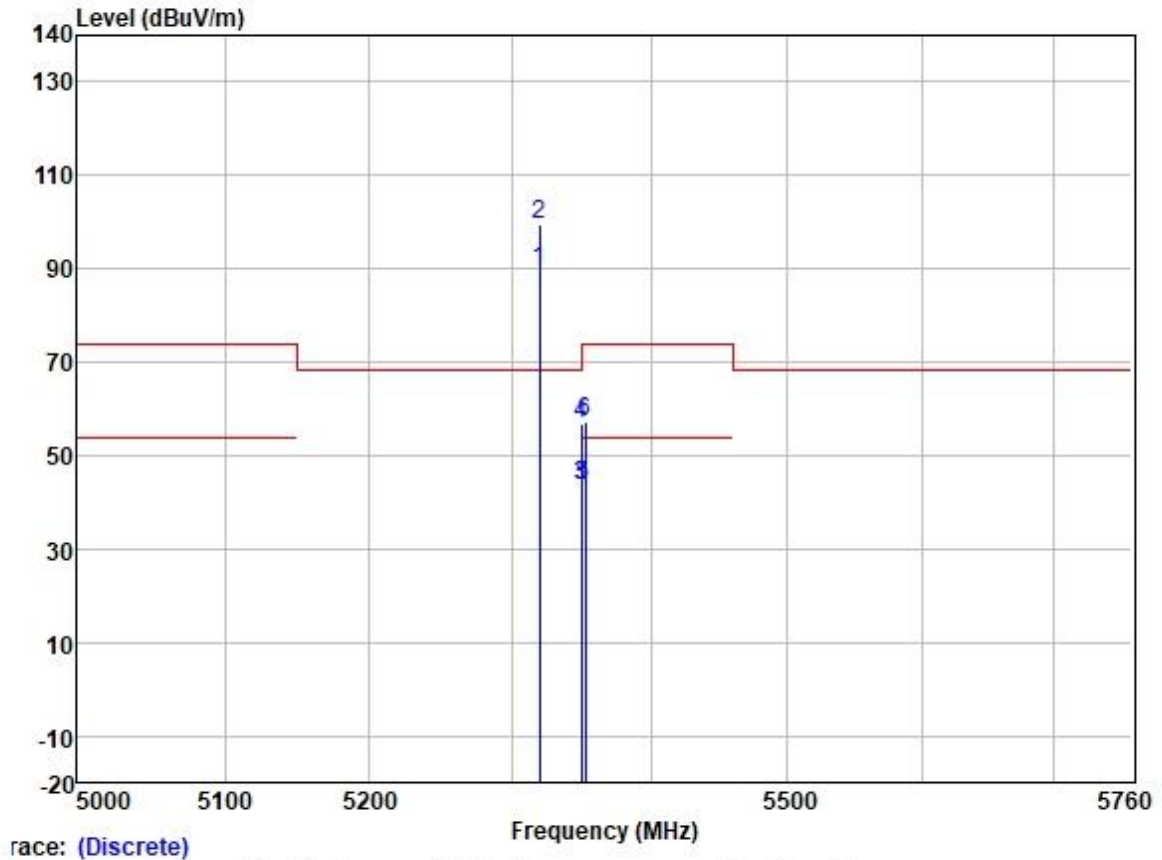
Test Mode: 11; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

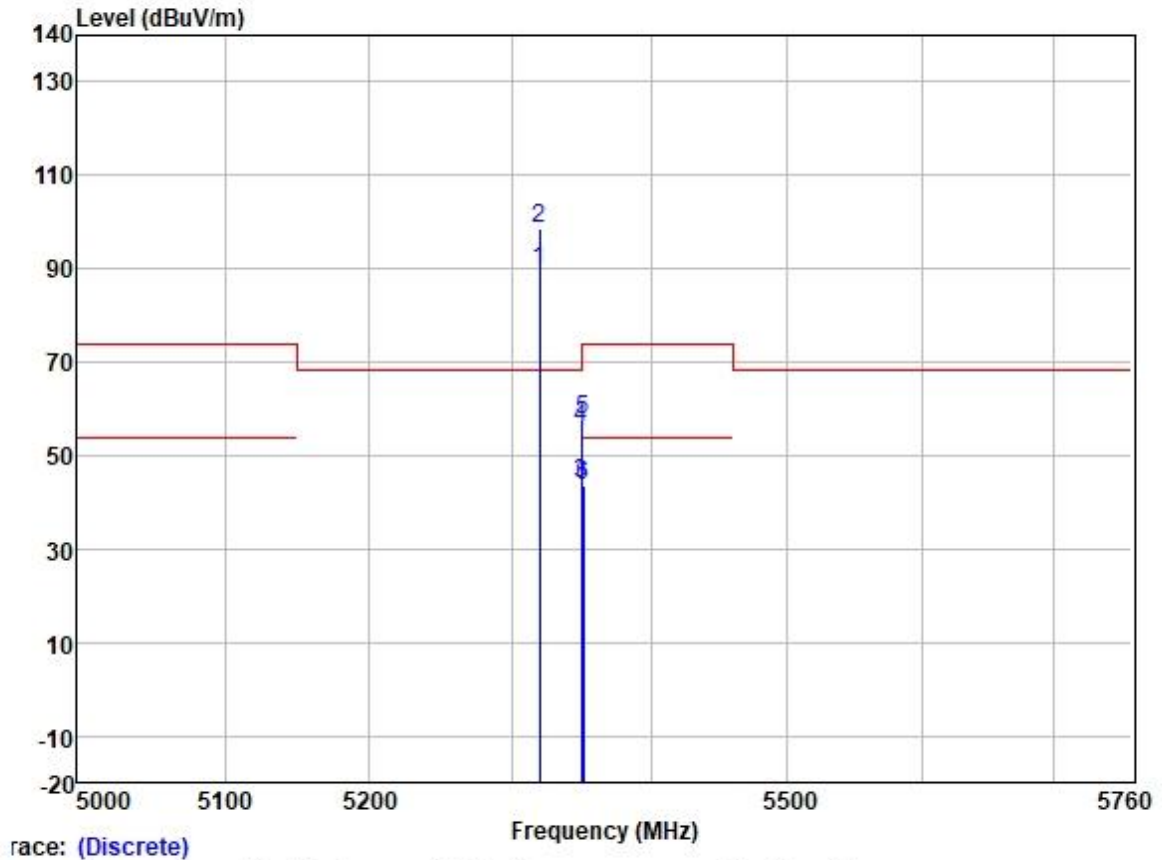
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5133.899	40.06	31.72	5.63	36.86	40.55	54.00	-13.45	VERTICAL Average
2	5133.899	53.19	31.72	5.63	36.86	53.68	74.00	-20.32	VERTICAL Peak
3	5149.980	39.92	31.72	5.62	36.86	40.40	54.00	-13.60	VERTICAL Average
4	5149.980	51.63	31.72	5.62	36.86	52.11	74.00	-21.89	VERTICAL Peak
5	5260.000	90.25	31.75	5.77	36.87	90.90	-----	-----	VERTICAL Average
6 *	5260.000	99.58	31.75	5.77	36.87	100.23	68.20	32.03	VERTICAL Peak

Test Mode: 11; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



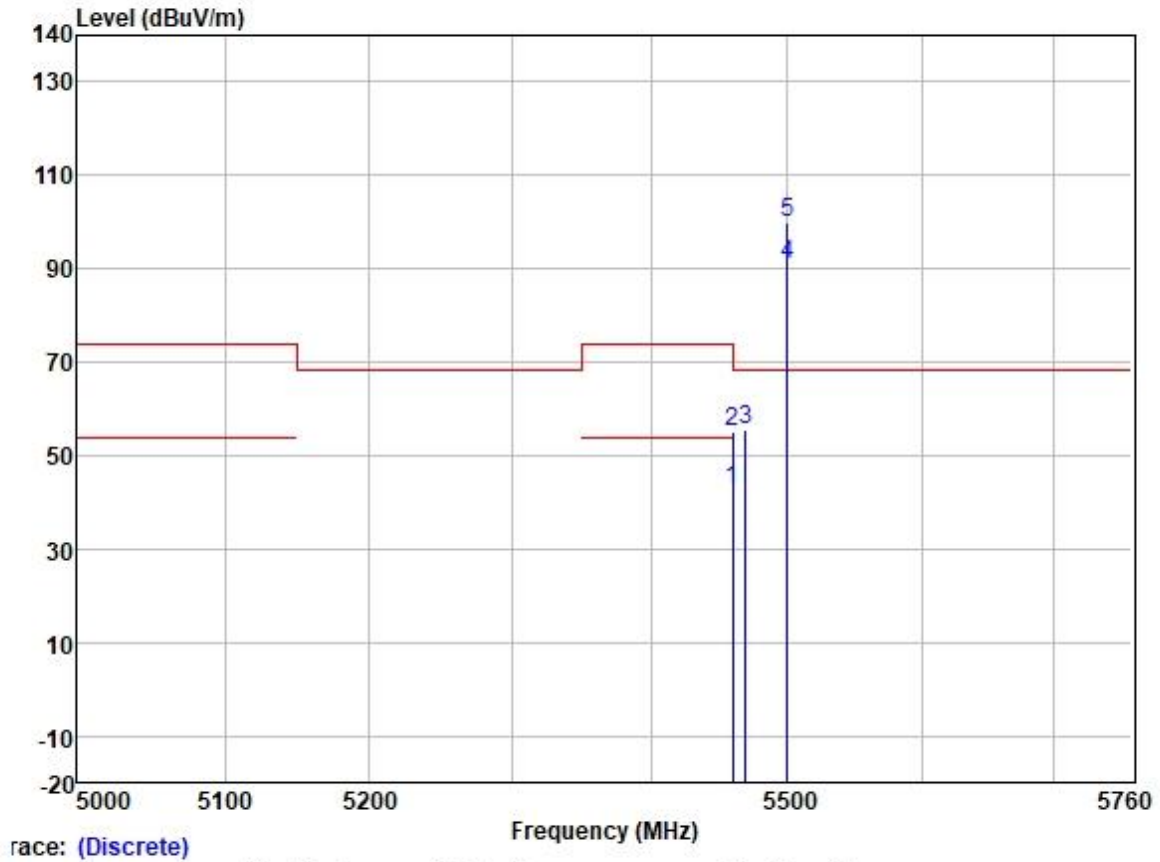
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5320.000	88.88	31.77	6.08	36.88	89.85	-----	-----	HORIZONTAL	Average
2 *	5320.000	98.40	31.77	6.08	36.88	99.37	68.20	31.17	HORIZONTAL	Peak
3	5350.020	42.52	31.77	6.05	36.88	43.46	54.00	-10.54	HORIZONTAL	Average
4	5350.020	55.81	31.77	6.05	36.88	56.75	74.00	-17.25	HORIZONTAL	Peak
5	5350.566	42.51	31.77	6.05	36.88	43.45	54.00	-10.55	HORIZONTAL	Average
6	5352.267	56.17	31.77	6.05	36.88	57.11	74.00	-16.89	HORIZONTAL	Peak

Test Mode: 11; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



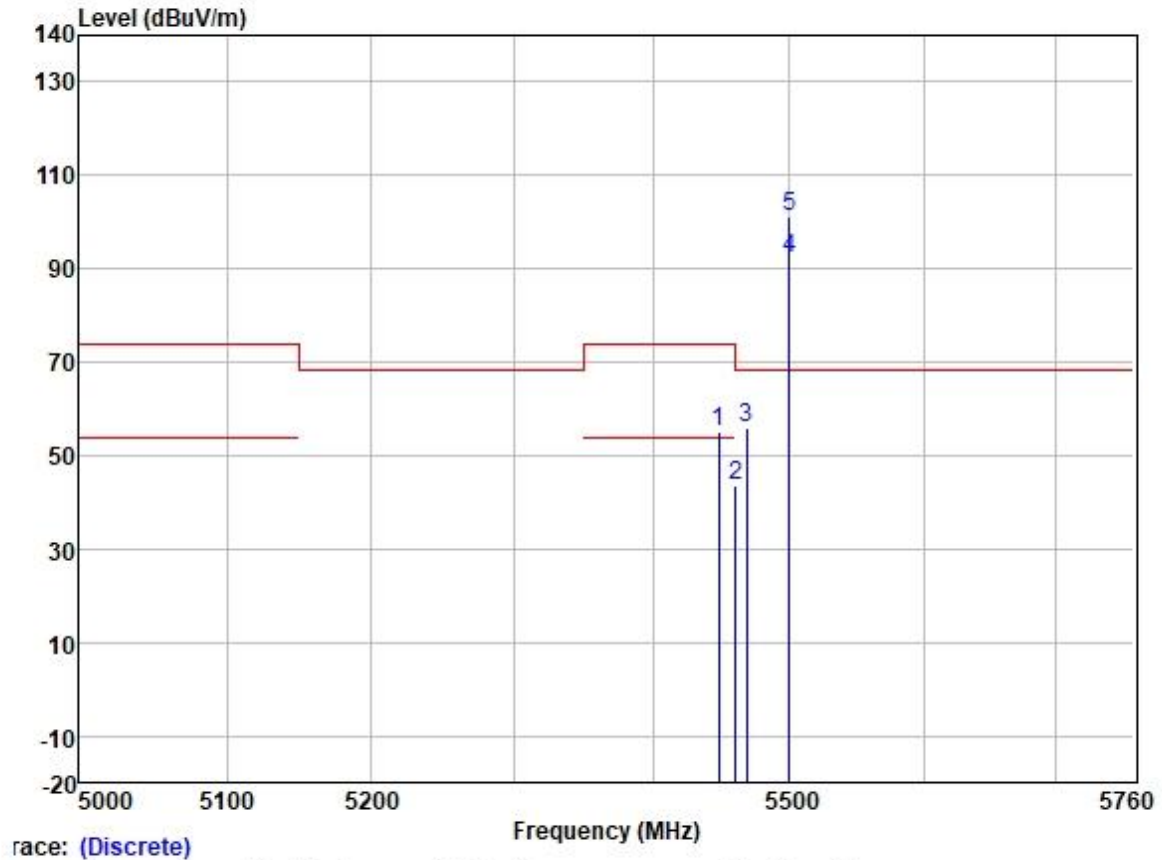
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5320.000	88.66	31.77	6.08	36.88	89.63	-----	-----	VERTICAL	Average
2 *	5320.000	97.79	31.77	6.08	36.88	98.76	68.20	30.56	VERTICAL	Peak
3	5350.020	43.17	31.77	6.05	36.88	44.11	54.00	-9.89	VERTICAL	Average
4	5350.020	55.09	31.77	6.05	36.88	56.03	74.00	-17.97	VERTICAL	Peak
5	5350.667	56.88	31.77	6.05	36.88	57.82	74.00	-16.18	VERTICAL	Peak
6	5351.167	42.82	31.77	6.05	36.88	43.76	54.00	-10.24	VERTICAL	Average

Test Mode: 12; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



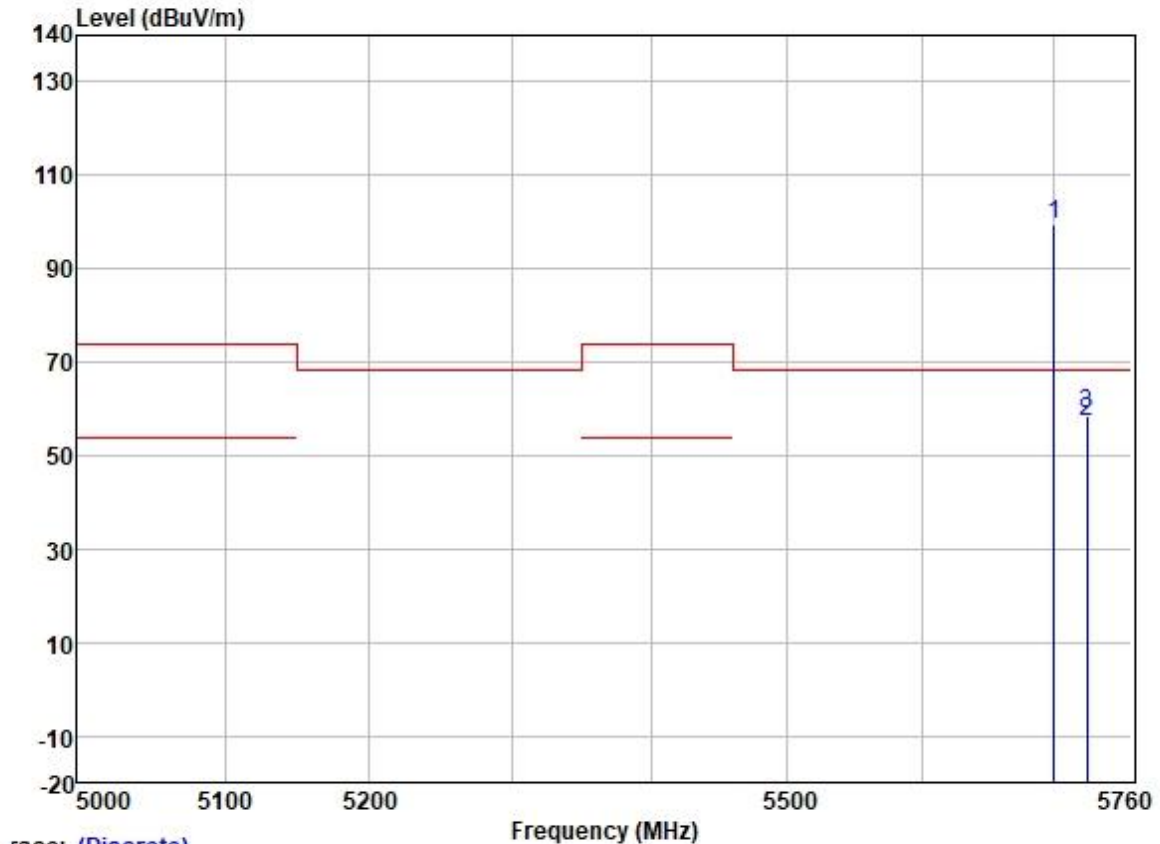
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5459.550	41.54	31.79	6.26	36.88	42.71	54.00	-11.29	HORIZONTAL	Average
2	5459.550	53.80	31.79	6.26	36.88	54.97	74.00	-19.03	HORIZONTAL	Peak
3	5469.038	54.10	31.80	6.31	36.88	55.33	68.20	-12.87	HORIZONTAL	Peak
4	5500.000	89.47	31.80	6.40	36.88	90.79	-----	-----	HORIZONTAL	Average
5 *	5500.000	98.67	31.80	6.40	36.88	99.99	68.20	31.79	HORIZONTAL	Peak

Test Mode: 12; 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	5447.444	54.05	31.79	6.20	36.88	55.16	74.00	-18.84	VERTICAL	Peak
2	5459.910	42.30	31.79	6.26	36.88	43.47	54.00	-10.53	VERTICAL	Average
3	5467.836	54.63	31.80	6.31	36.88	55.86	68.20	-12.34	VERTICAL	Peak
4	5500.000	90.85	31.80	6.40	36.88	92.17	-----	-----	VERTICAL	Average
5 *	5500.000	99.71	31.80	6.40	36.88	101.03	68.20	32.83	VERTICAL	Peak

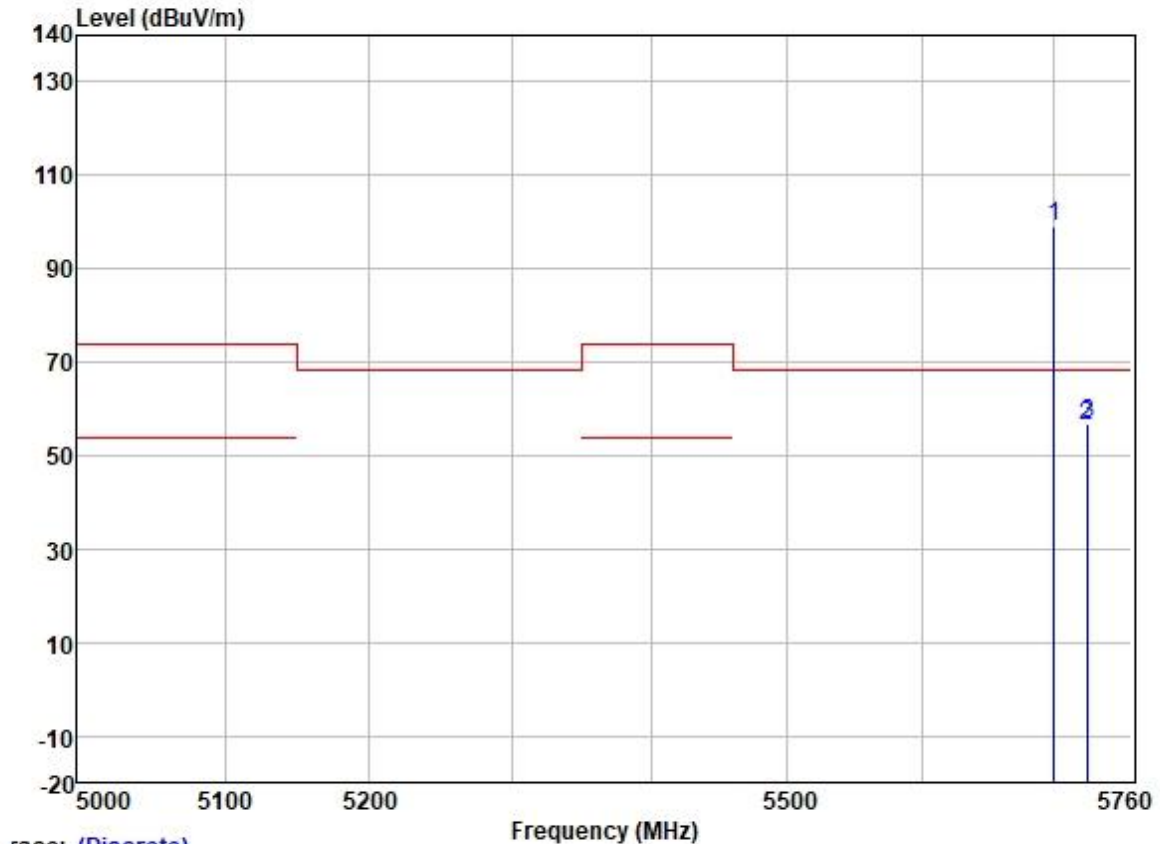
Test Mode: 12; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp	Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 *	5700.000	97.83	32.01	6.40	36.89	99.35	68.20	31.15	HORIZONTAL Peak
2	5725.000	55.99	32.07	6.25	36.89	57.42	68.20	-10.78	HORIZONTAL Peak
3	5725.483	57.29	32.07	6.25	36.89	58.72	68.20	-9.48	HORIZONTAL Peak

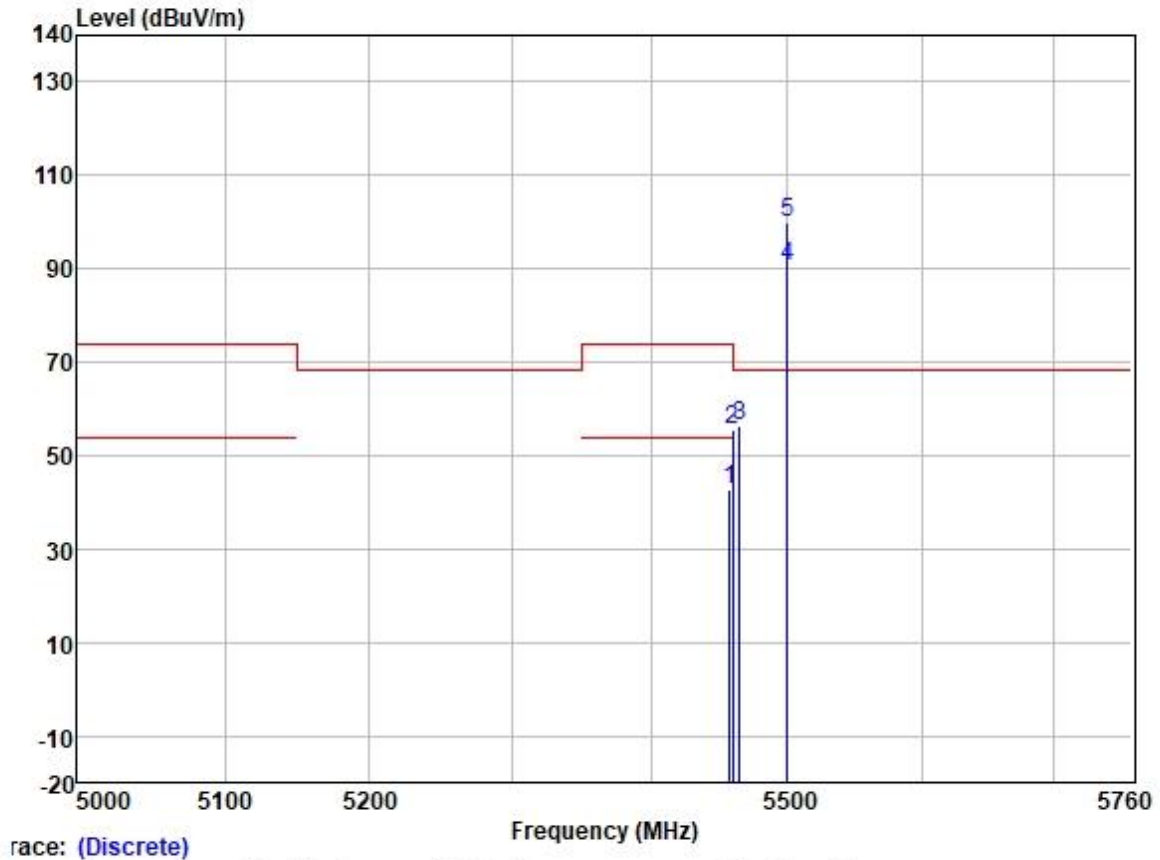
Test Mode: 12; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

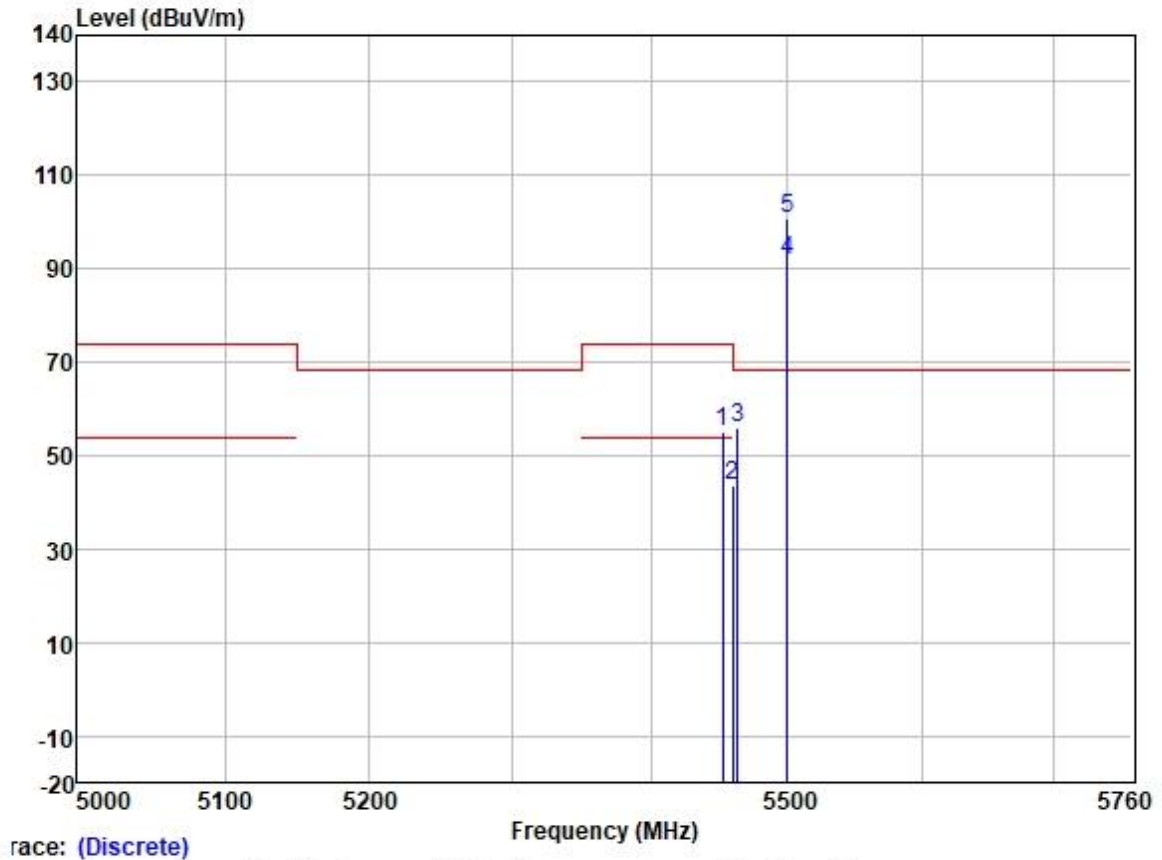
	Read Freq	Antenna Level	Cable Factor	Preamp Loss	Preamp Factor	Limit Level	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dB		
1 *	5700.000	97.72	32.01	6.40	36.89	99.24	68.20	31.04	VERTICAL Peak
2	5725.000	55.00	32.07	6.25	36.89	56.43	68.20	-11.77	VERTICAL Peak
3	5725.883	55.39	32.07	6.25	36.89	56.82	68.20	-11.38	VERTICAL Peak

Test Mode: 12; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



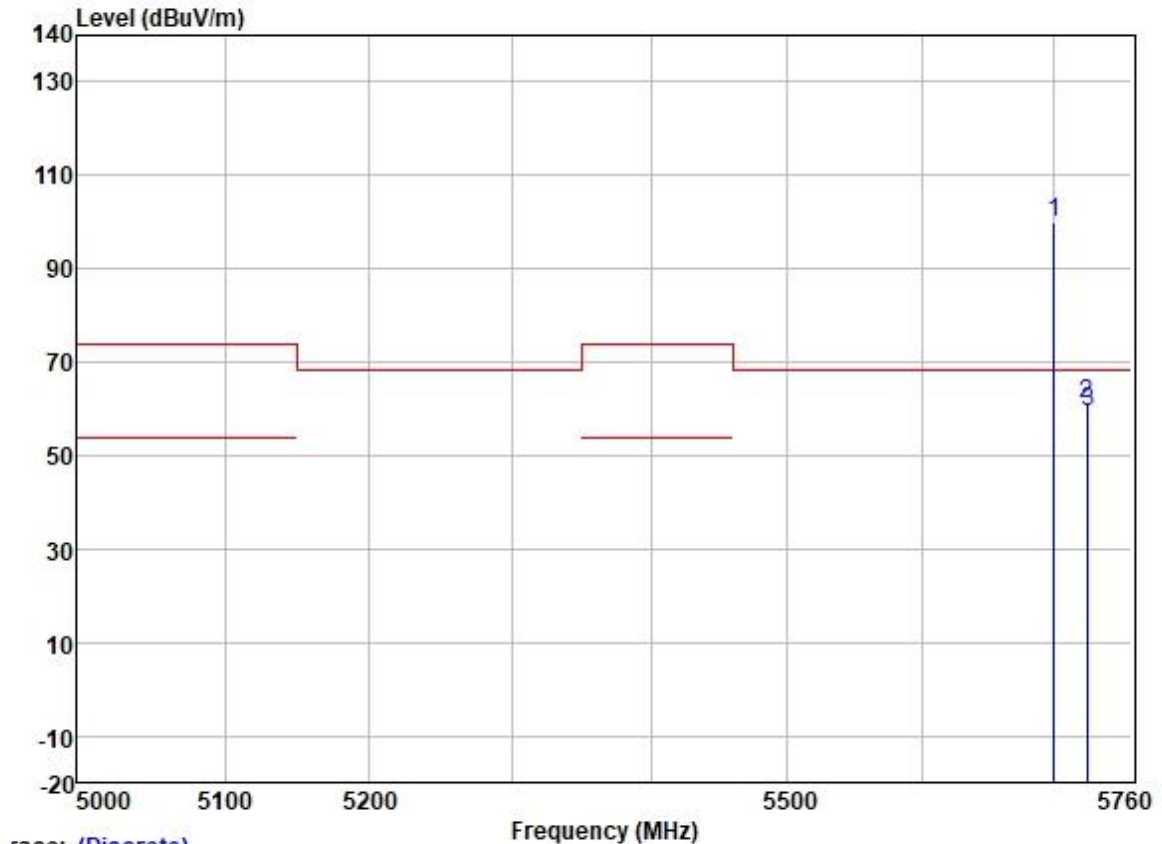
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5457.151	41.40	31.79	6.26	36.88	42.57	54.00	-11.43	HORIZONTAL	Average
2	5459.550	54.25	31.79	6.26	36.88	55.42	74.00	-18.58	HORIZONTAL	Peak
3	5464.352	54.98	31.80	6.31	36.88	56.21	68.20	-11.99	HORIZONTAL	Peak
4	5500.000	89.32	31.80	6.40	36.88	90.64	-----	-----	HORIZONTAL	Average
5 *	5500.000	98.41	31.80	6.40	36.88	99.73	68.20	31.53	HORIZONTAL	Peak

Test Mode: 12; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



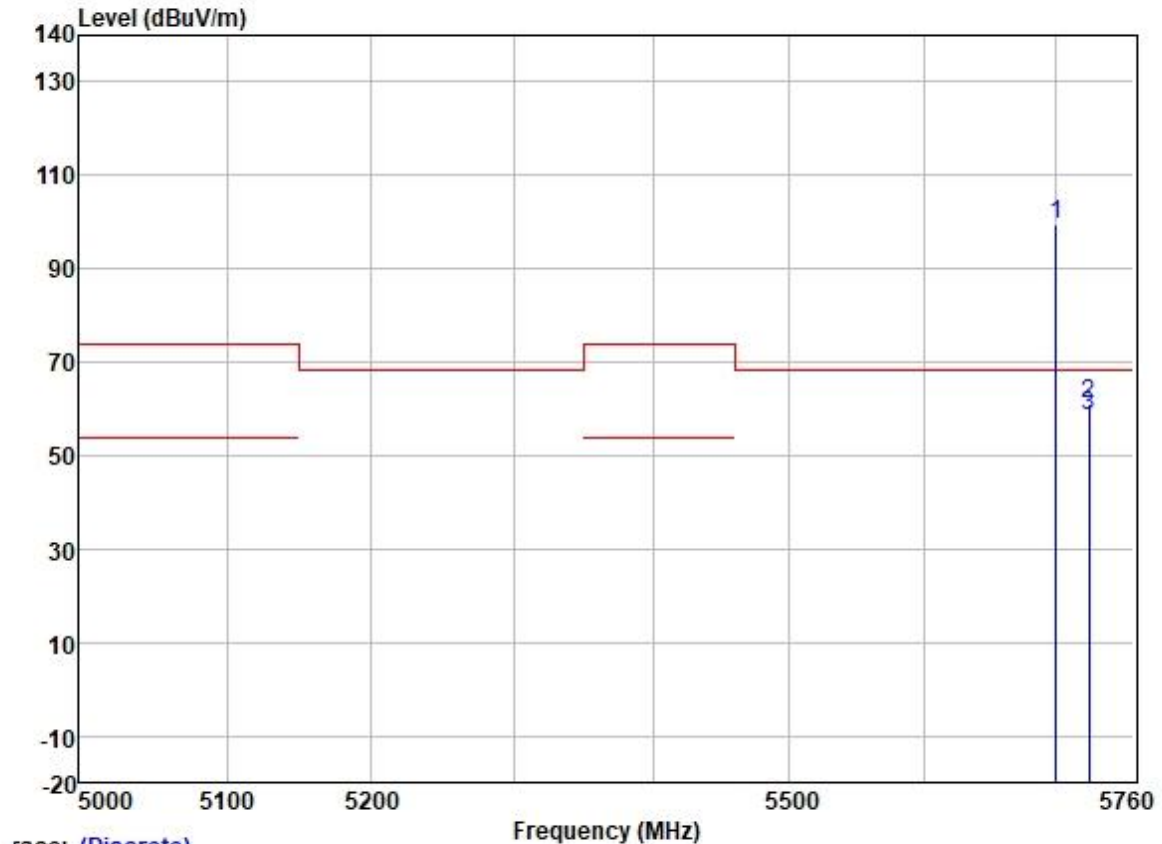
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5451.996	54.00	31.79	6.26	36.88	55.17	74.00	-18.83	VERTICAL	Peak
2	5459.430	42.32	31.79	6.26	36.88	43.49	54.00	-10.51	VERTICAL	Average
3	5463.271	54.69	31.79	6.26	36.88	55.86	68.20	-12.34	VERTICAL	Peak
4	5500.000	90.57	31.80	6.40	36.88	91.89	-----	-----	VERTICAL	Average
5 *	5500.000	99.63	31.80	6.40	36.88	100.95	68.20	32.75	VERTICAL	Peak

Test Mode: 12; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



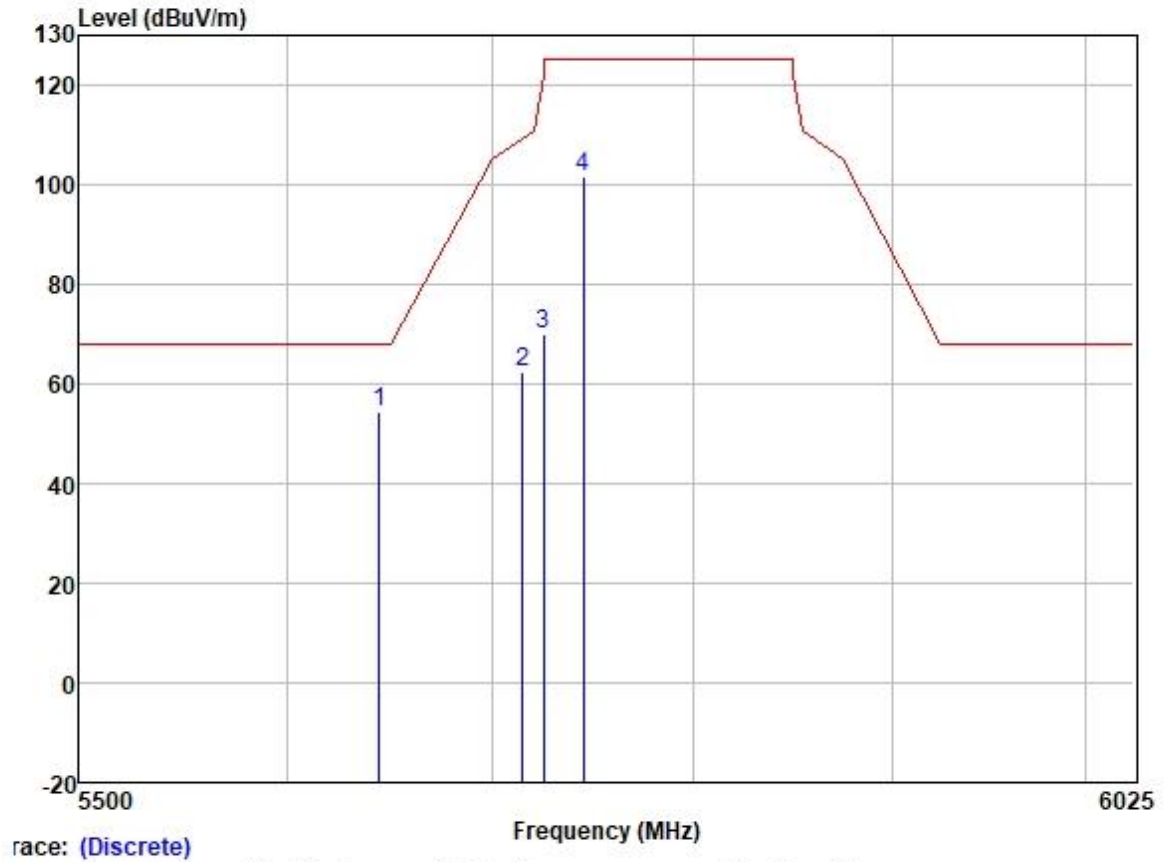
	Freq	ReadAntenna	Cable	Preamp	Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	Remark
1 *	5700.000	98.36	32.01	6.40	36.89	99.88	68.20	31.68	HORIZONTAL Peak
2	5725.000	59.43	32.07	6.25	36.89	60.86	68.20	-7.34	HORIZONTAL Peak
3	5725.983	58.04	32.07	6.25	36.89	59.47	68.20	-8.73	HORIZONTAL Peak

Test Mode: 12; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



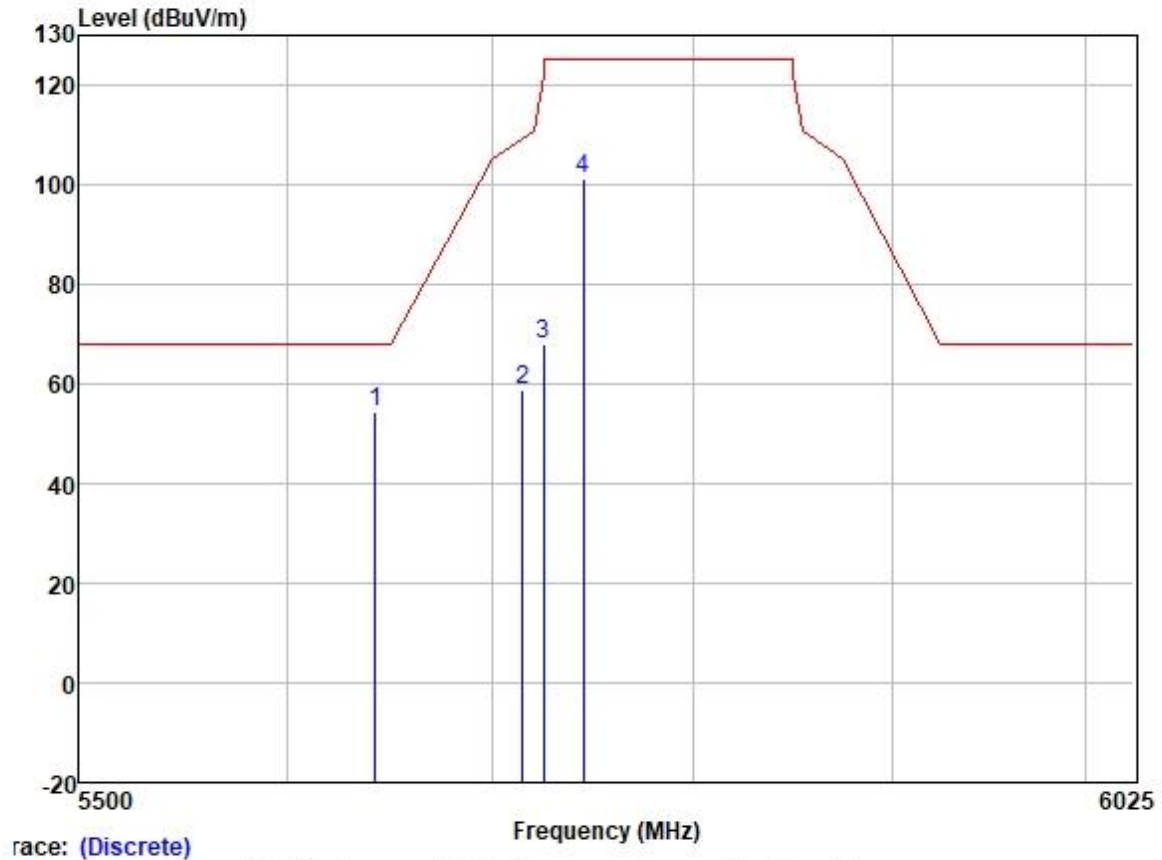
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5700.000	97.76	32.01	6.40	36.89	99.28	68.20	31.08	VERTICAL	Peak
2	5725.000	59.68	32.07	6.25	36.89	61.11	68.20	-7.09	VERTICAL	Peak
3	5725.483	57.13	32.07	6.25	36.89	58.56	68.20	-9.64	VERTICAL	Peak

Test Mode: 13; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



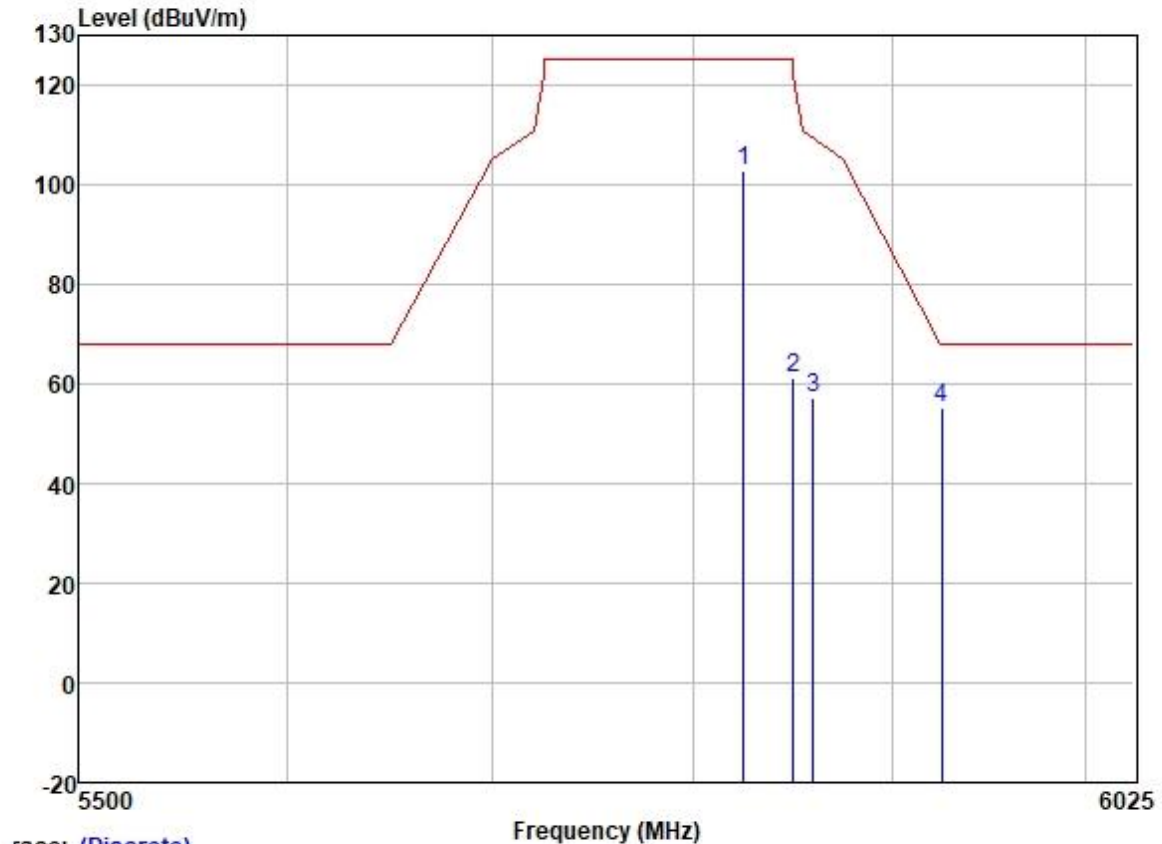
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5644.427	53.11	31.95	6.35	36.89	54.52	68.20	-13.68	HORIZONTAL	Peak
2	5715.000	60.73	32.04	6.33	36.89	62.21	109.40	-47.19	HORIZONTAL	Peak
3	5725.000	68.41	32.07	6.25	36.89	69.84	122.20	-52.36	HORIZONTAL	Peak
4	5745.000	100.30	32.10	6.20	36.89	101.71	125.20	-23.49	HORIZONTAL	Peak

Test Mode: 13; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



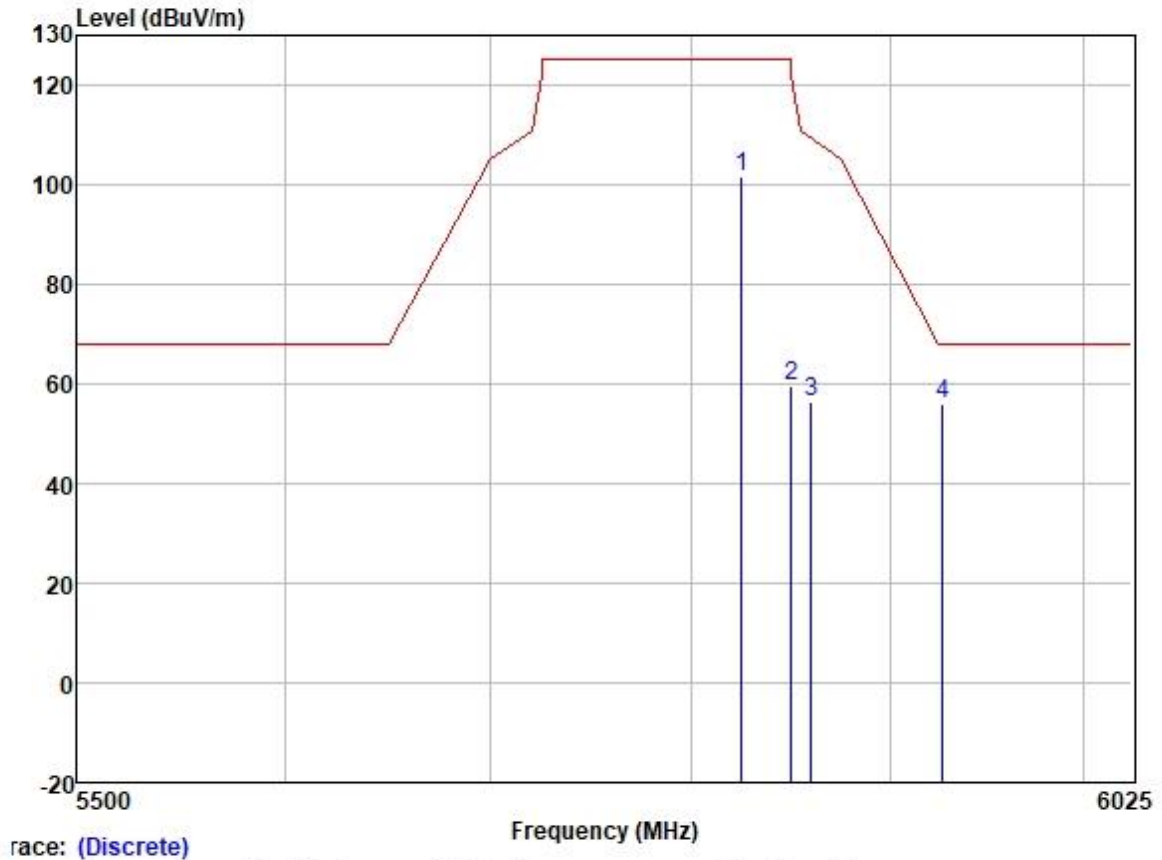
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5642.767	52.97	31.95	6.35	36.89	54.38	68.20	-13.82	VERTICAL	Peak
2	5715.000	57.26	32.04	6.33	36.89	58.74	109.40	-50.66	VERTICAL	Peak
3	5725.000	66.42	32.07	6.25	36.89	67.85	122.20	-54.35	VERTICAL	Peak
4	5745.000	99.87	32.10	6.20	36.89	101.28	125.20	-23.92	VERTICAL	Peak

Test Mode: 13; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



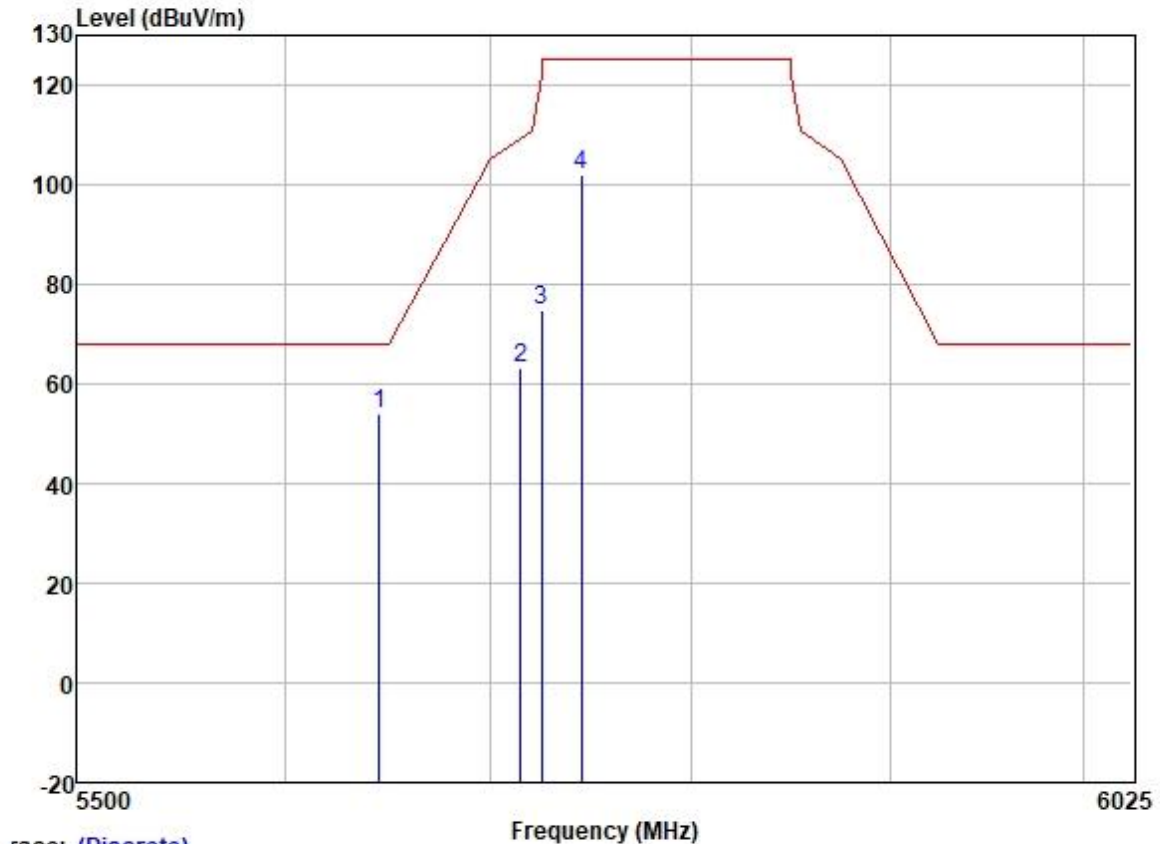
		Read	Antenna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5825.000	101.39	32.23	6.04	36.90	102.76	125.20	-22.44	HORIZONTAL	Peak
2	5850.000	59.68	32.25	6.00	36.90	61.03	122.20	-61.17	HORIZONTAL	Peak
3	5860.000	55.70	32.27	5.96	36.90	57.03	109.40	-52.37	HORIZONTAL	Peak
4	5925.557	53.84	32.34	6.00	36.90	55.28	68.20	-12.92	HORIZONTAL	Peak

Test Mode: 13; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



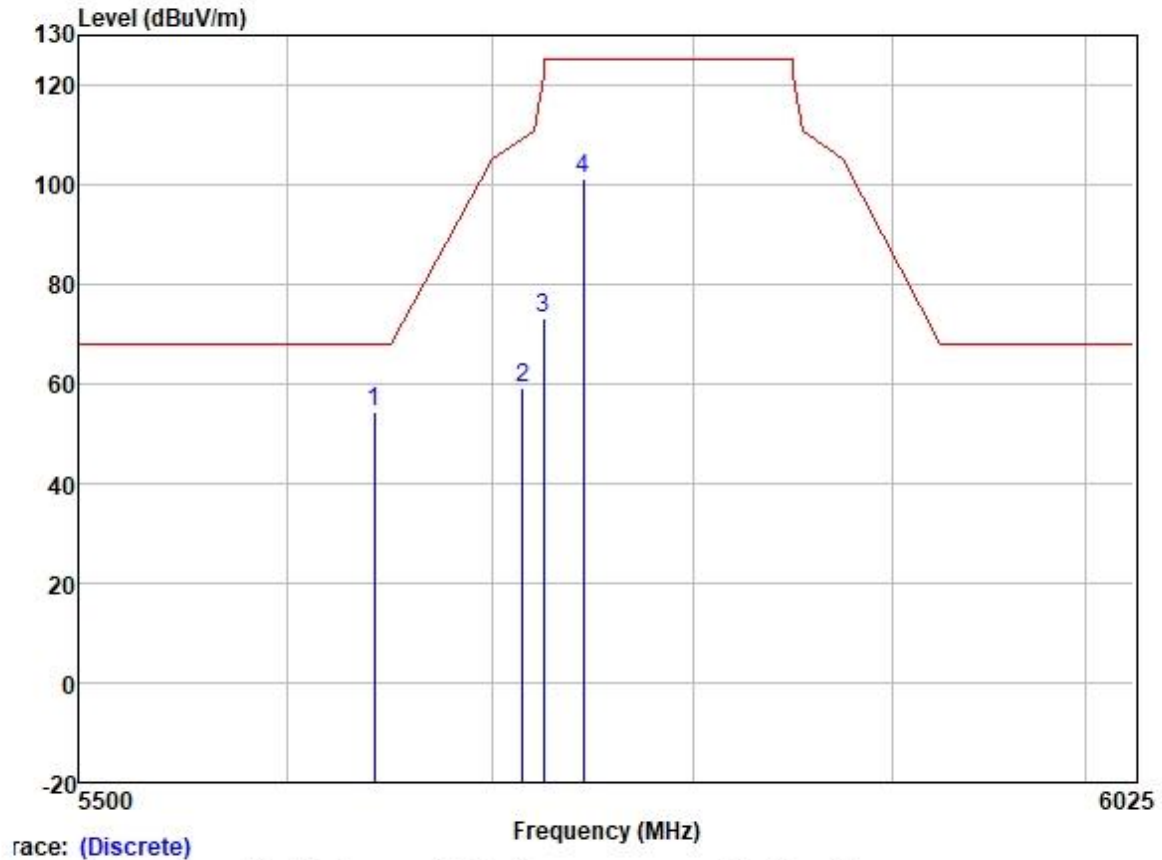
		Read	Antenna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5825.000	100.14	32.23	6.04	36.90	101.51	125.20	-23.69	VERTICAL	Peak
2	5850.000	58.24	32.25	6.00	36.90	59.59	122.20	-62.61	VERTICAL	Peak
3	5860.000	55.06	32.27	5.96	36.90	56.39	109.40	-53.01	VERTICAL	Peak
4	5926.966	54.52	32.34	6.00	36.90	55.96	68.20	-12.24	VERTICAL	Peak

Test Mode: 13; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



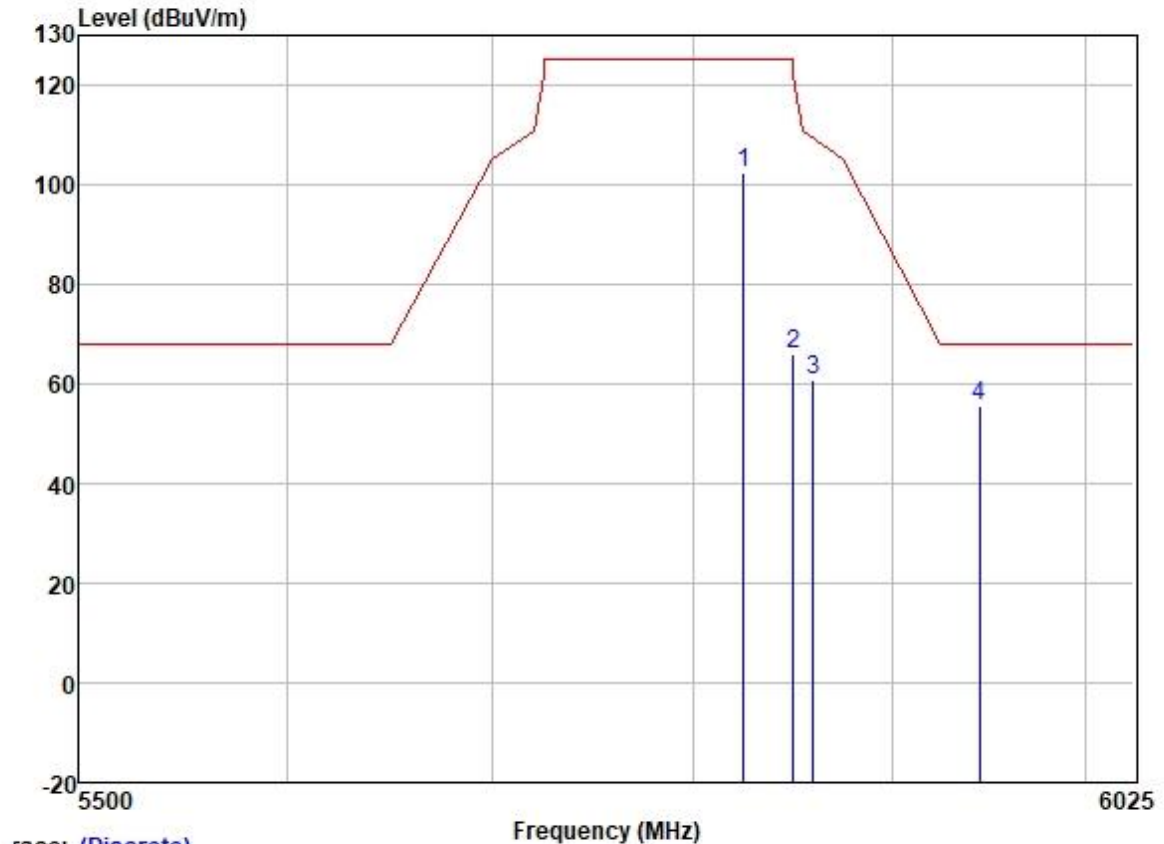
		Read	Antenna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5645.534	52.75	31.95	6.35	36.89	54.16	68.20	-14.04	HORIZONTAL	Peak
2	5715.000	61.58	32.04	6.33	36.89	63.06	109.40	-46.34	HORIZONTAL	Peak
3	5725.000	73.54	32.07	6.25	36.89	74.97	122.20	-47.23	HORIZONTAL	Peak
4	5745.000	100.67	32.10	6.20	36.89	102.08	125.20	-23.12	HORIZONTAL	Peak

Test Mode: 13; Polarity: Vertical; Modulation:802.11n; 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	5642.213	53.15	31.95	6.35	36.89	54.56	68.20	-13.64	VERTICAL	Peak
2	5715.000	57.81	32.04	6.33	36.89	59.29	109.40	-50.11	VERTICAL	Peak
3	5725.000	71.62	32.07	6.25	36.89	73.05	122.20	-49.15	VERTICAL	Peak
4	5745.000	99.73	32.10	6.20	36.89	101.14	125.20	-24.06	VERTICAL	Peak

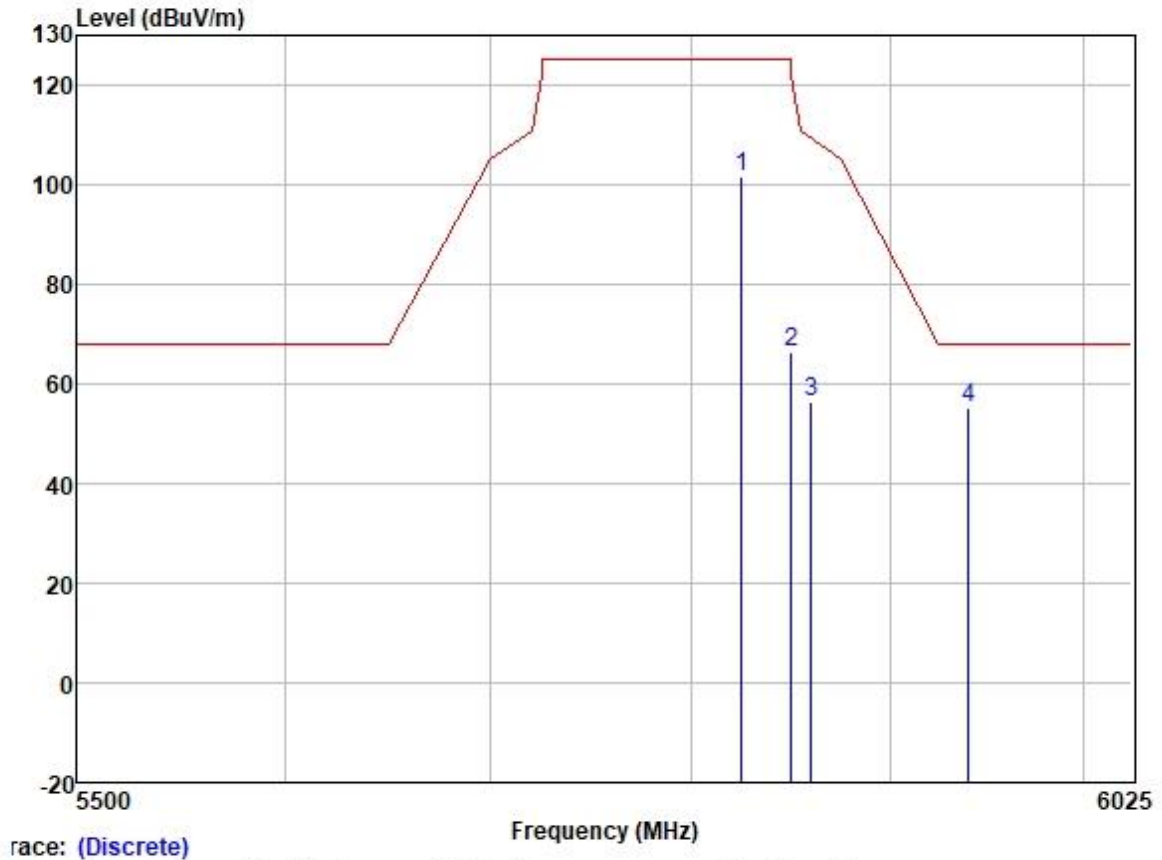
Test Mode: 13; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5825.000	101.17	32.23	6.04	36.90	102.54	125.20	-22.66	HORIZONTAL	Peak
2	5850.000	64.84	32.25	6.00	36.90	66.19	122.20	-56.01	HORIZONTAL	Peak
3	5860.000	59.65	32.27	5.96	36.90	60.98	109.40	-48.42	HORIZONTAL	Peak
4	5945.000	53.94	32.36	6.05	36.90	55.45	68.20	-12.75	HORIZONTAL	Peak

Test Mode: 13; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



		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	5825.000	100.40	32.23	6.04	36.90	101.77	125.20	-23.43	VERTICAL	Peak
2	5850.000	65.10	32.25	6.00	36.90	66.45	122.20	-55.75	VERTICAL	Peak
3	5860.000	54.89	32.27	5.96	36.90	56.22	109.40	-53.18	VERTICAL	Peak
4	5940.133	53.82	32.34	6.00	36.90	55.26	68.20	-12.94	VERTICAL	Peak

7.3 Radiated Emissions (below 1GHz)

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

Test Method: KDB 789033 D02 II G

Measurement 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.

7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 24.9 °C

Humidity: 50.6 % RH

Atmospheric Pressure: 1015 mbar

7.3.2 Test Mode Description

Pre-scan / Mode	Description
Final test Code	

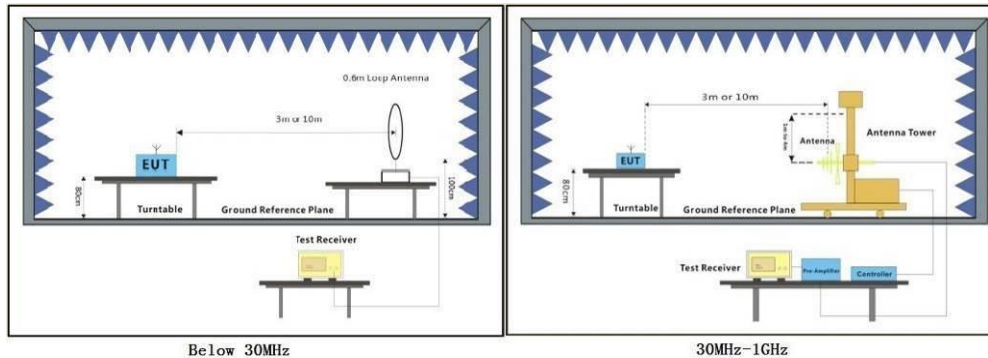


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Pre-scan	06	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20). Only the data of worst case is recorded in the report.
Pre-scan	07	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(HT20). Only the data of worst case is recorded in the report.
Pre-scan	08	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(HT20). Only the data of worst case is recorded in the report.
Pre-scan	09	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20). Only the data of worst case is recorded in the report.
Final test	10	Charge+TX mode (U-NII-1)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20). Only the data of worst case is recorded in the report.
Pre-scan	11	Charge+TX mode (U-NII-2A)_Keep the EUT in charging and continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20). Only the data of worst case is recorded in the report.
Pre-scan	12	Charge+TX mode (U-NII-2C)_Keep the EUT in charging and continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20). Only the data of worst case is recorded in the report.
Pre-scan	13	Charge+TX mode (U-NII-3)_Keep the EUT in charging and continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20). Only the data of worst case is recorded in the report.



7.3.3 Test Setup Diagram



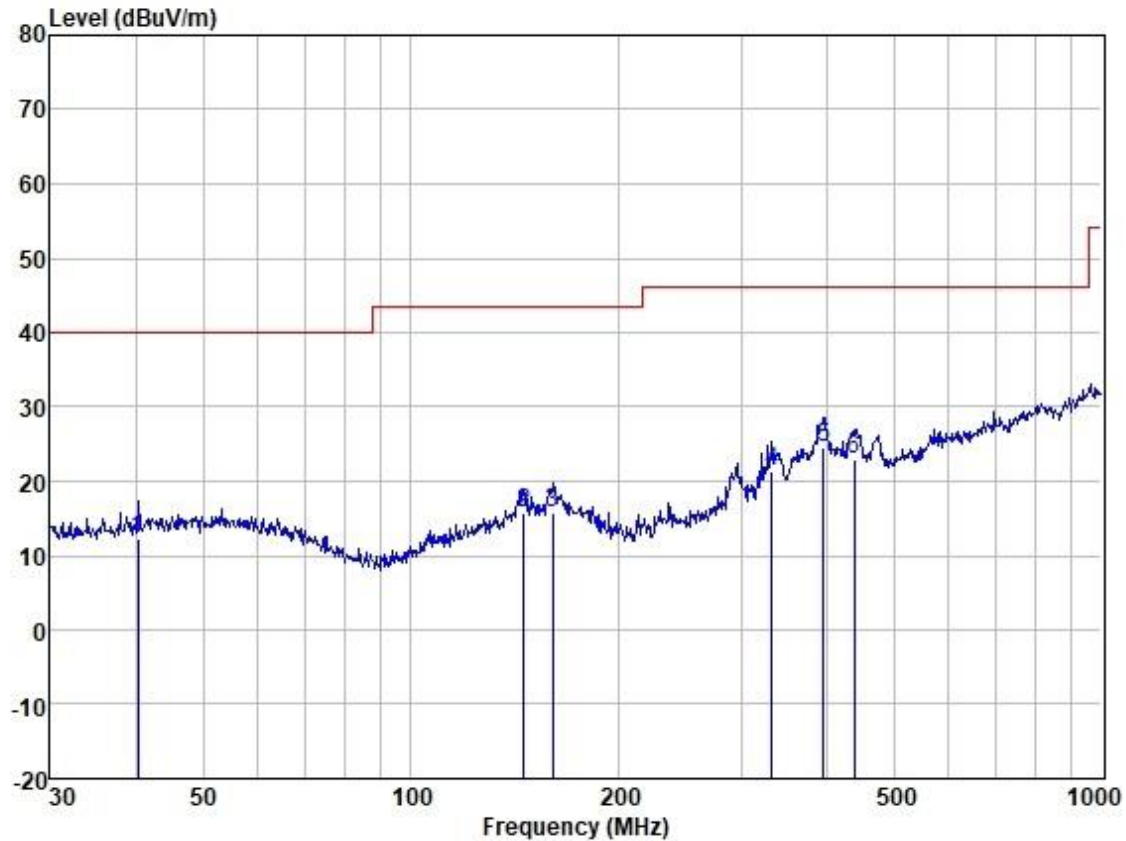
7.3.4 Measurement Procedure and Data

- 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.
- 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.
- 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, quasi-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
- 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.
- Scan from 9kHz to 1GHz, 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.

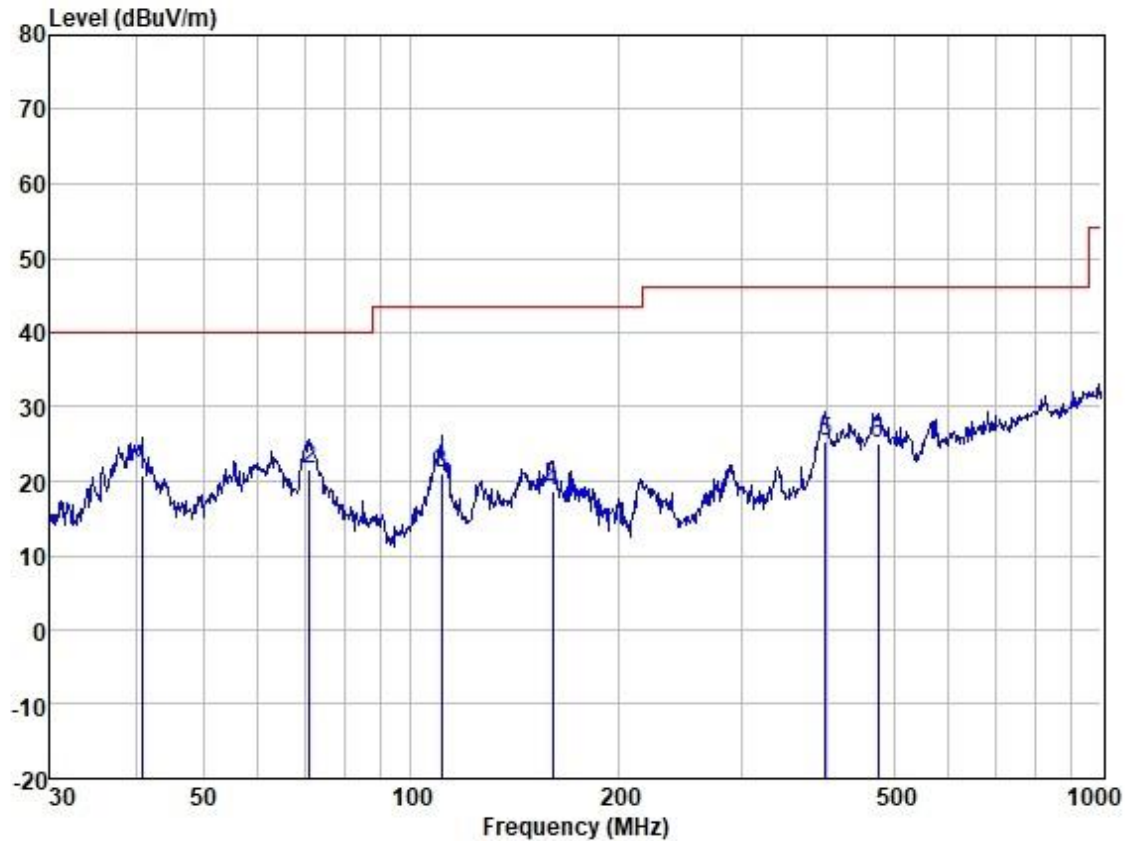
Test Mode: 10; Polarity: Horizontal; Modulation: 802.11a; Bandwidth: 20MHz; Channel: Low



Site : SGS
Job :
Model :
Power :
Test Mode : 10

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Measured Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	40.135	25.24	13.50	1.09	27.61	12.22	40.00	-27.78	HORIZONTAL	QP
2	145.351	27.78	13.31	2.16	27.42	15.83	43.50	-27.67	HORIZONTAL	QP
3	160.346	26.96	13.69	2.32	27.36	15.61	43.50	-27.89	HORIZONTAL	QP
4	332.519	31.01	14.27	3.44	27.42	21.30	46.00	-24.70	HORIZONTAL	QP
5	394.855	33.25	15.45	3.86	27.98	24.58	46.00	-21.42	HORIZONTAL	QP
6	438.655	30.41	16.73	4.11	28.21	23.04	46.00	-22.96	HORIZONTAL	QP

Test Mode: 10; Polarity: Vertical; Modulation: 802.11a; Bandwidth: 20MHz; Channel: Low



Site : SGS
Job :
Model :
Power :
Test Mode : 10

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Measured Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	40.702	33.75	13.58	1.09	27.61	20.81	40.00	-19.19	VERTICAL	QP
2	71.330	36.57	11.22	1.42	27.60	21.61	40.00	-18.39	VERTICAL	QP
3	110.569	36.37	10.45	1.76	27.58	21.00	43.50	-22.50	VERTICAL	QP
4	160.346	30.05	13.69	2.32	27.36	18.70	43.50	-24.80	VERTICAL	QP
5	397.633	33.84	15.51	3.88	27.99	25.24	46.00	-20.76	VERTICAL	QP
6	473.835	31.88	17.29	4.32	28.50	24.99	46.00	-21.01	VERTICAL	QP



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7.4 Radiated Emissions (above 1GHz)

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

Test Method: KDB 789033 D02 II G

Measurement 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.

7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 24.6 °C

Humidity: 49.5 % RH

Atmospheric Pressure: 1015 mbar

7.4.2 Test Mode Description

Pre-scan / Mode Description



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Final test Code

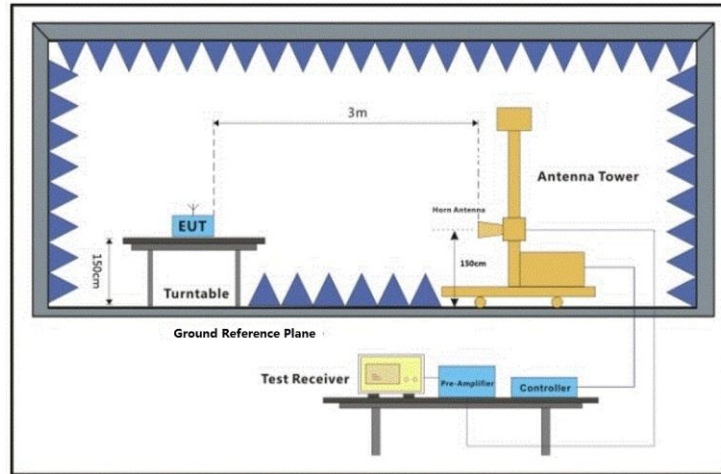
Pre-scan	06	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20). Only the data of worst case is recorded in the report.
Pre-scan	07	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(HT20). Only the data of worst case is recorded in the report.
Pre-scan	08	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(HT20). Only the data of worst case is recorded in the report.
Pre-scan	09	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20). Only the data of worst case is recorded in the report.
Final test	10	Charge+TX mode (U-NII-1)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20). Only the data of worst case is recorded in the report.
Final test	11	Charge+TX mode (U-NII-2A)_Keep the EUT in charging and continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20). Only the data of worst case is recorded in the report.
Final test	12	Charge+TX mode (U-NII-2C)_Keep the EUT in charging and continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20). Only the data of worst case is recorded in the report.
Final test	13	Charge+TX mode (U-NII-3)_Keep the EUT in charging and continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20). Only the data of worst case is recorded in the report.



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7.4.3 Test Setup Diagram



7.4.4 Measurement Procedure and Data

- a. 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.
- 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 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 peak, quasi-peak or average 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.

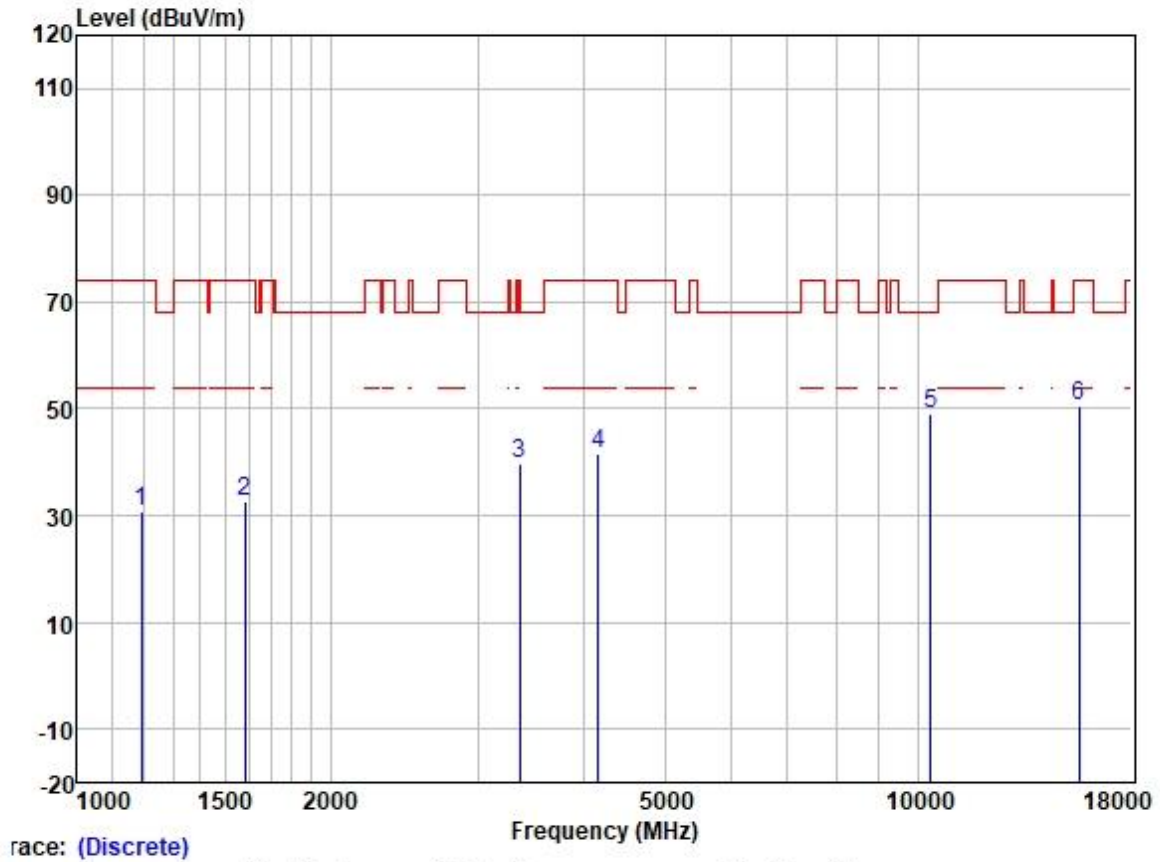
Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. Scan from 1GHz 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.
4. 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.



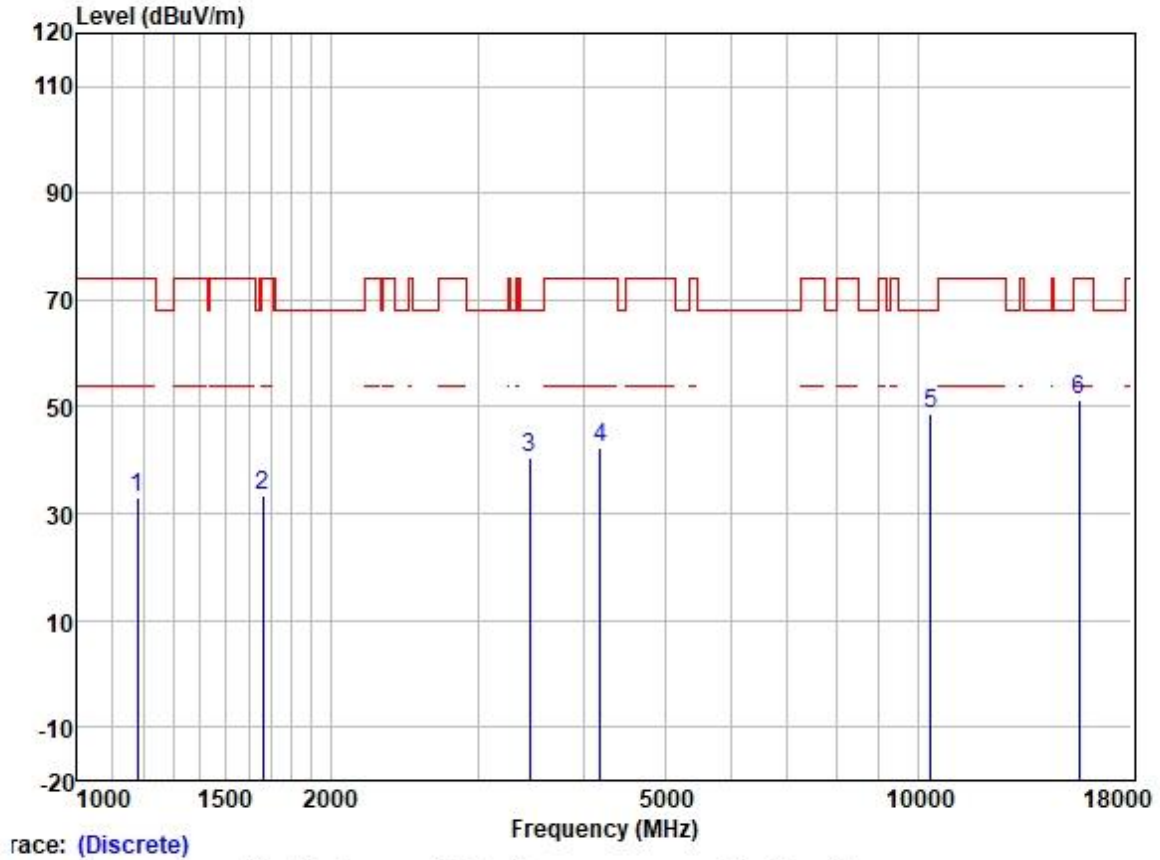
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Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Test Mode: 10; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



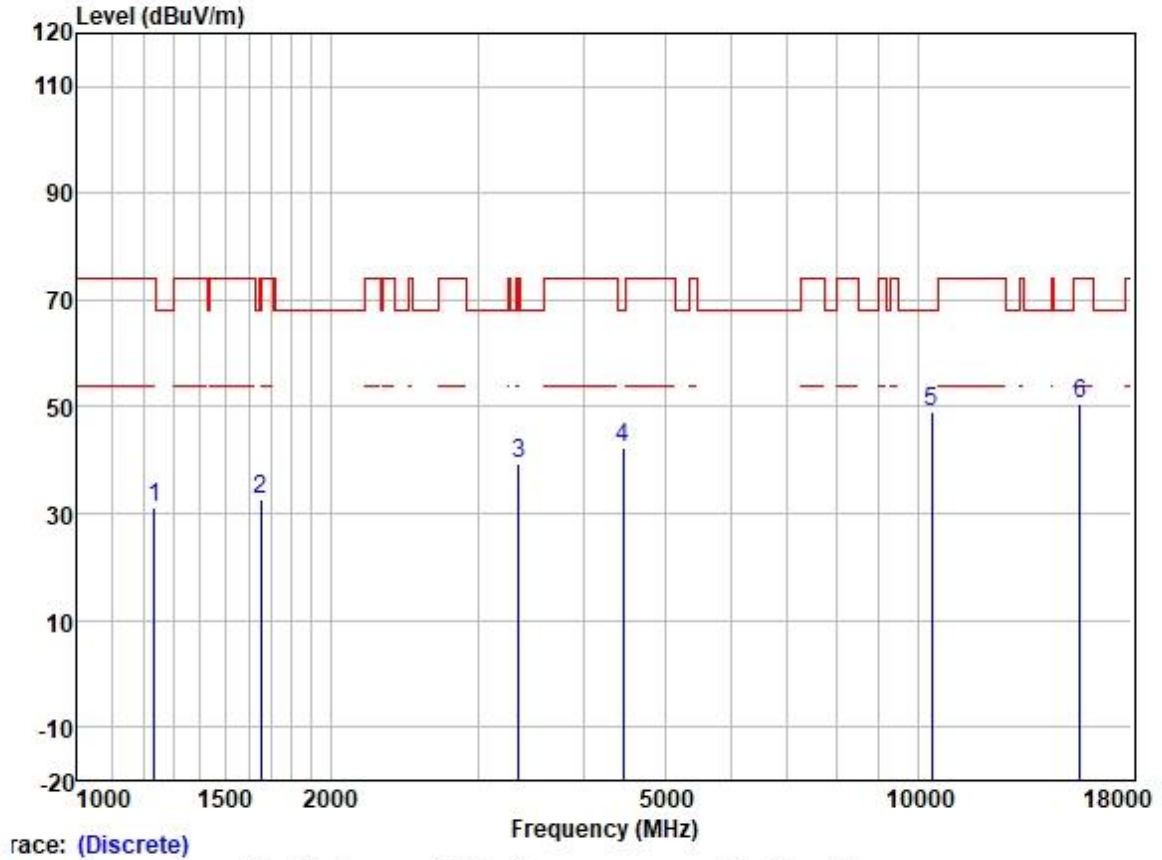
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1192.811	42.06	24.65	2.36	38.39	30.68	74.00	-43.32	HORIZONTAL	Peak
2	1583.392	42.32	25.56	2.80	38.00	32.68	74.00	-41.32	HORIZONTAL	Peak
3	3357.061	43.89	28.81	4.09	37.01	39.78	74.00	-34.22	HORIZONTAL	Peak
4	4169.698	43.83	30.09	4.60	36.80	41.72	74.00	-32.28	HORIZONTAL	Peak
5	10360.000	39.72	39.28	7.29	37.37	48.92	68.20	-19.28	HORIZONTAL	Peak
6	15540.000	36.97	39.05	9.88	35.39	50.51	74.00	-23.49	HORIZONTAL	Peak

Test Mode: 10; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



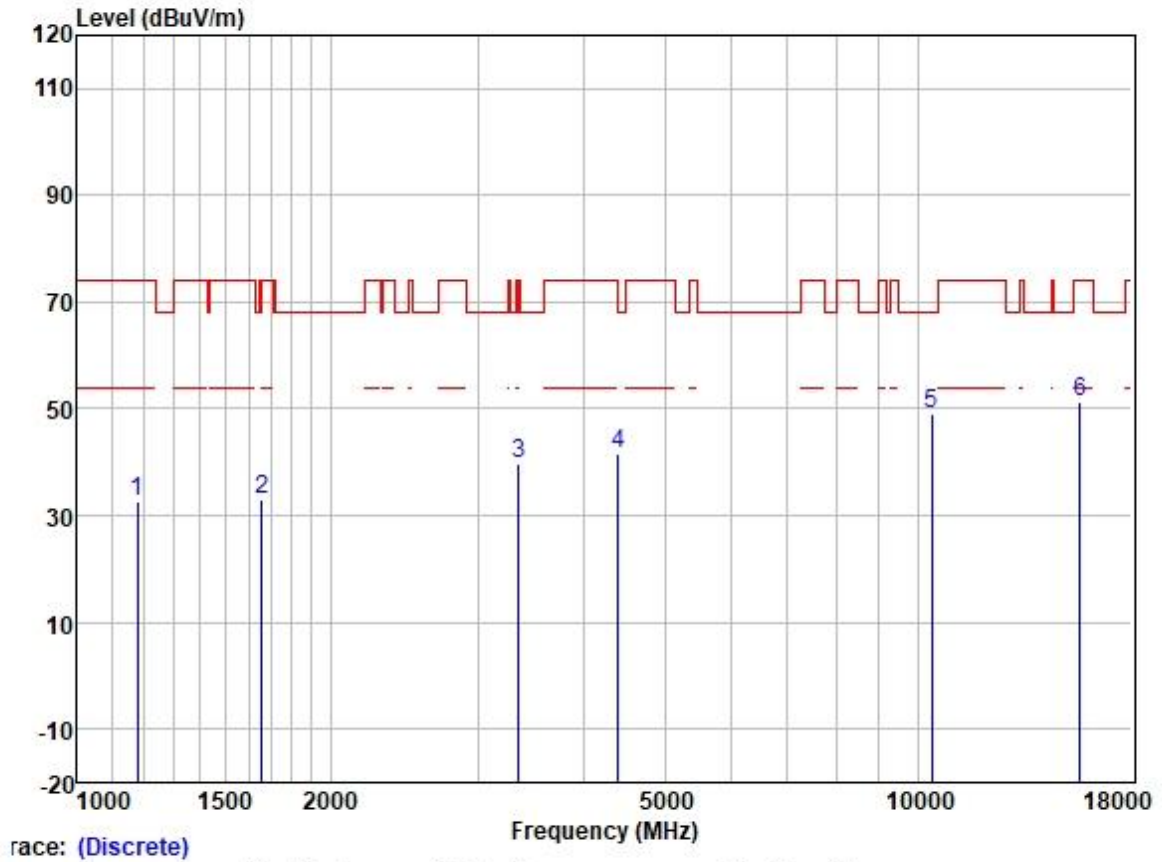
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1179.100	44.51	24.59	2.38	38.40	33.08	74.00	-40.92	VERTICAL	Peak
2	1663.137	42.76	25.65	2.80	37.91	33.30	74.00	-40.70	VERTICAL	Peak
3	3455.508	44.29	28.88	4.20	36.96	40.41	68.20	-27.79	VERTICAL	Peak
4	4193.872	44.24	30.15	4.60	36.81	42.18	74.00	-31.82	VERTICAL	Peak
5	10360.000	39.60	39.28	7.29	37.37	48.80	68.20	-19.40	VERTICAL	Peak
6	15540.000	37.92	39.05	9.88	35.39	51.46	74.00	-22.54	VERTICAL	Peak

Test Mode: 10; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



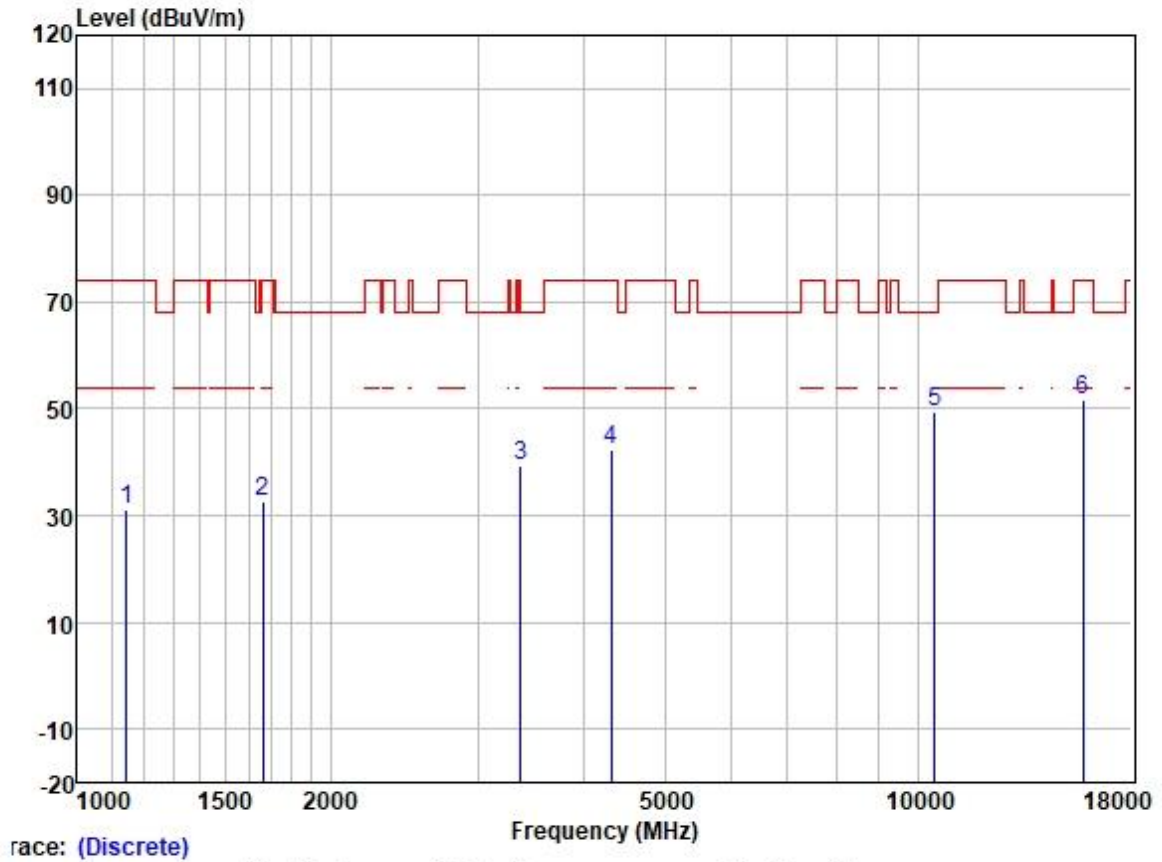
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1234.909	42.14	24.93	2.30	38.37	31.00	74.00	-43.00	HORIZONTAL Peak
2	1653.550	42.31	25.64	2.80	37.93	32.82	68.20	-35.38	HORIZONTAL Peak
3	3347.371	43.54	28.80	4.08	37.01	39.41	74.00	-34.59	HORIZONTAL Peak
4	4456.315	43.48	30.75	4.88	36.81	42.30	68.20	-25.90	HORIZONTAL Peak
5	10400.000	39.59	39.33	7.32	37.36	48.88	68.20	-19.32	HORIZONTAL Peak
6	15600.000	37.23	38.99	9.88	35.39	50.71	74.00	-23.29	HORIZONTAL Peak

Test Mode: 10; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



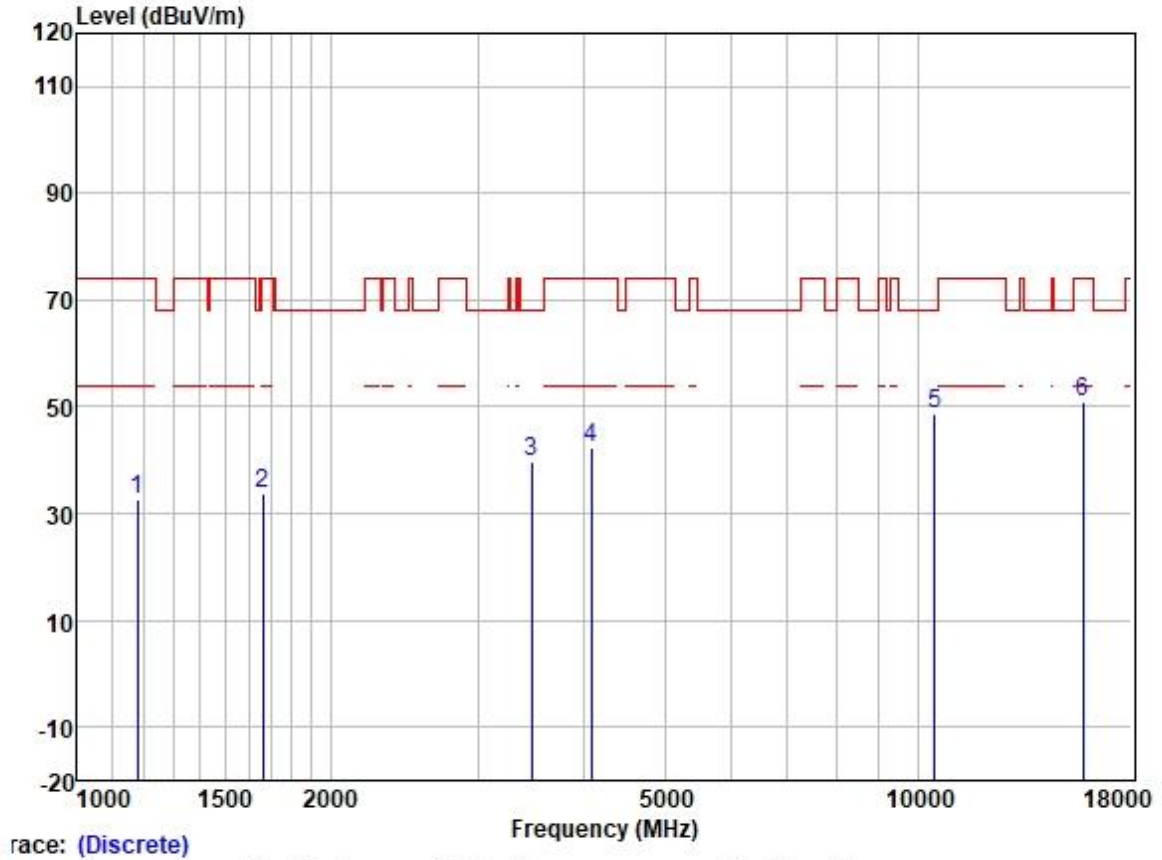
	ReadAntenna	Cable	Preamp		Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1179.100	43.92	24.59	2.38	38.40	32.49	74.00	-41.51	VERTICAL Peak
2	1658.337	42.52	25.65	2.80	37.93	33.04	68.20	-35.16	VERTICAL Peak
3	3347.371	43.97	28.80	4.08	37.01	39.84	74.00	-34.16	VERTICAL Peak
4	4405.090	42.99	30.68	4.70	36.81	41.56	68.20	-26.64	VERTICAL Peak
5	10400.000	39.93	39.33	7.32	37.36	49.22	68.20	-18.98	VERTICAL Peak
6	15600.000	37.82	38.99	9.88	35.39	51.30	74.00	-22.70	VERTICAL Peak

Test Mode: 10; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



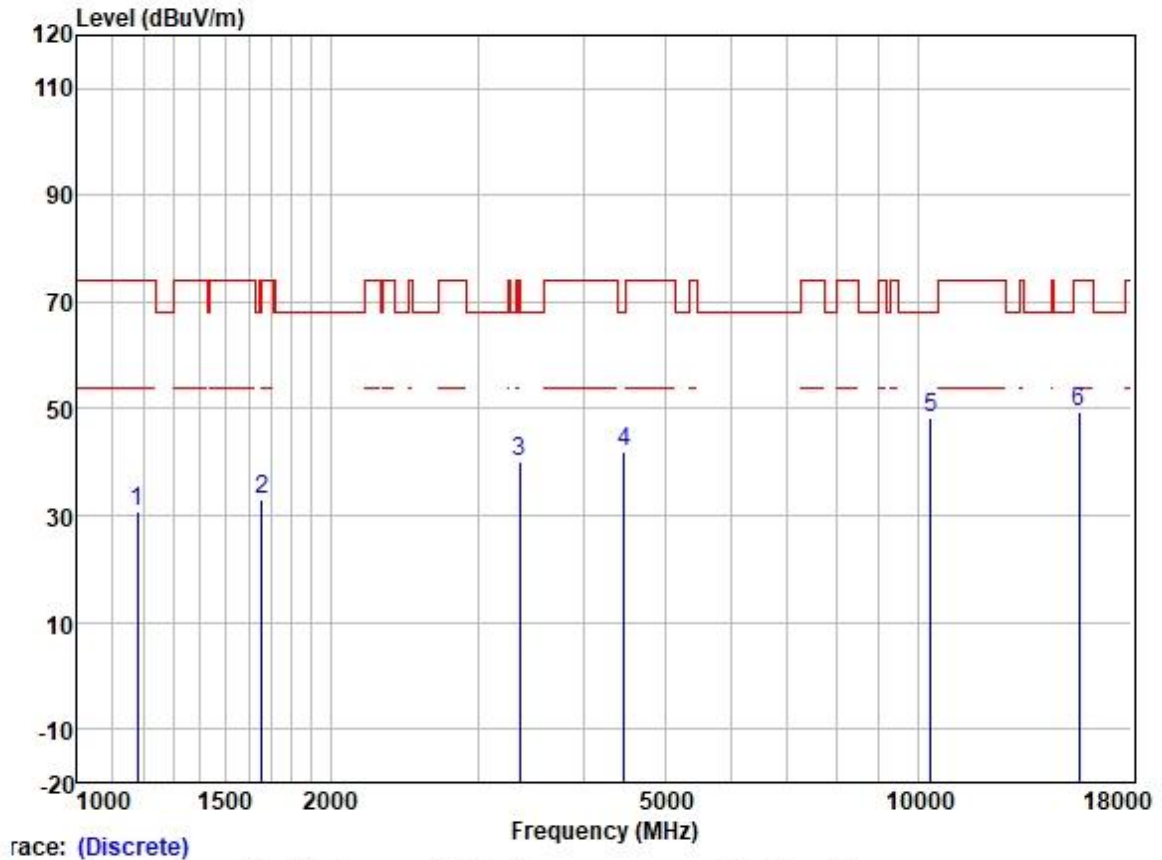
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1145.507	42.83	24.48	2.32	38.42	31.21	74.00	-42.79	HORIZONTAL	Peak
2	1663.137	42.09	25.65	2.80	37.91	32.63	74.00	-41.37	HORIZONTAL	Peak
3	3366.778	43.37	28.82	4.09	36.99	39.29	68.20	-28.91	HORIZONTAL	Peak
4	4316.859	43.89	30.51	4.66	36.81	42.25	74.00	-31.75	HORIZONTAL	Peak
5	10480.000	39.83	39.46	7.40	37.36	49.33	68.20	-18.87	HORIZONTAL	Peak
6	15720.000	38.49	38.78	9.87	35.39	51.75	74.00	-22.25	HORIZONTAL	Peak

Test Mode: 10; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



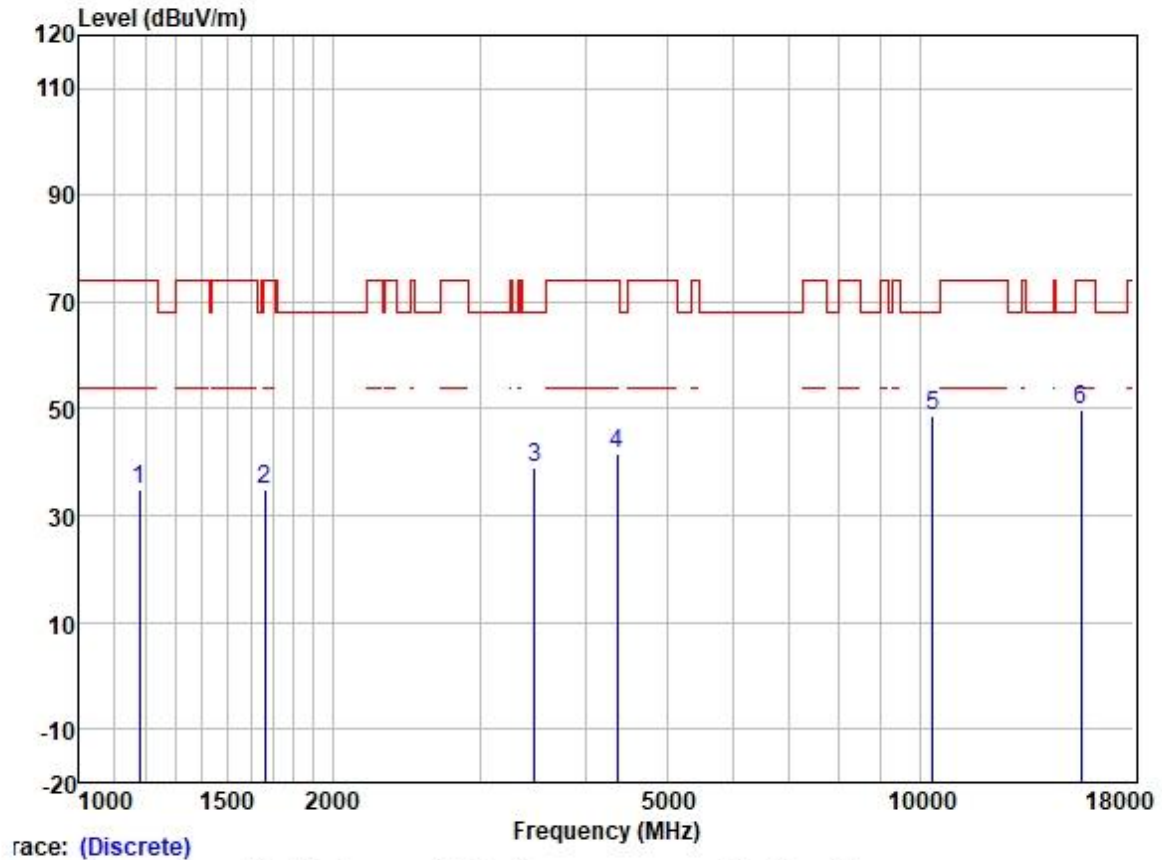
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1179.100	44.08	24.59	2.38	38.40	32.65	74.00	-41.35	VERTICAL	Peak
2	1663.137	43.27	25.65	2.80	37.91	33.81	74.00	-40.19	VERTICAL	Peak
3	3475.541	43.59	28.89	4.25	36.95	39.78	68.20	-28.42	VERTICAL	Peak
4	4086.182	44.47	29.92	4.60	36.80	42.19	74.00	-31.81	VERTICAL	Peak
5	10480.000	39.16	39.46	7.40	37.36	48.66	68.20	-19.54	VERTICAL	Peak
6	15720.000	37.57	38.78	9.87	35.39	50.83	74.00	-23.17	VERTICAL	Peak

Test Mode: 10; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	Remark
1	1179.100	42.29	24.59	2.38	38.40	30.86	74.00	-43.14	HORIZONTAL Peak
2	1658.337	42.40	25.65	2.80	37.93	32.92	68.20	-35.28	HORIZONTAL Peak
3	3357.061	44.20	28.81	4.09	37.01	40.09	74.00	-33.91	HORIZONTAL Peak
4	4469.214	43.16	30.77	4.93	36.81	42.05	68.20	-26.15	HORIZONTAL Peak
5	10360.000	39.25	39.28	7.29	37.37	48.45	68.20	-19.75	HORIZONTAL Peak
6	15540.000	35.95	39.05	9.88	35.39	49.49	74.00	-24.51	HORIZONTAL Peak

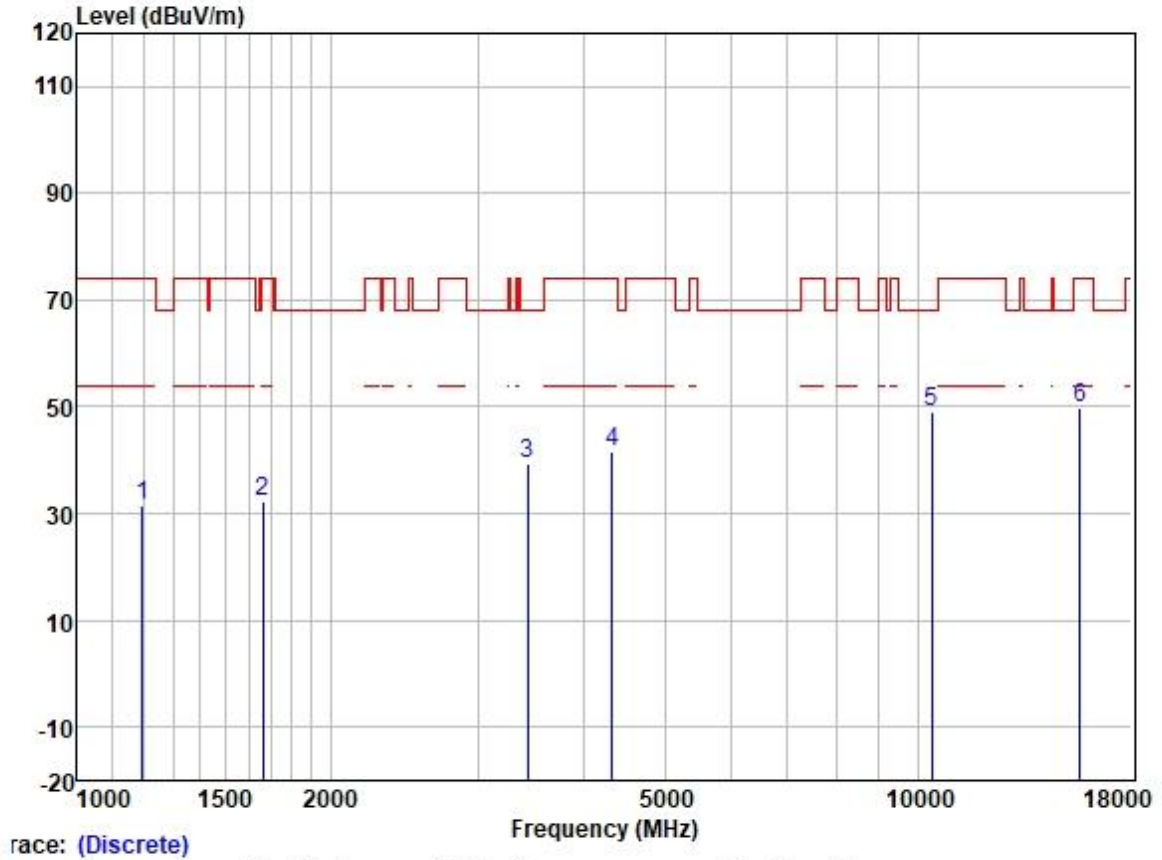
Test Mode: 10; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

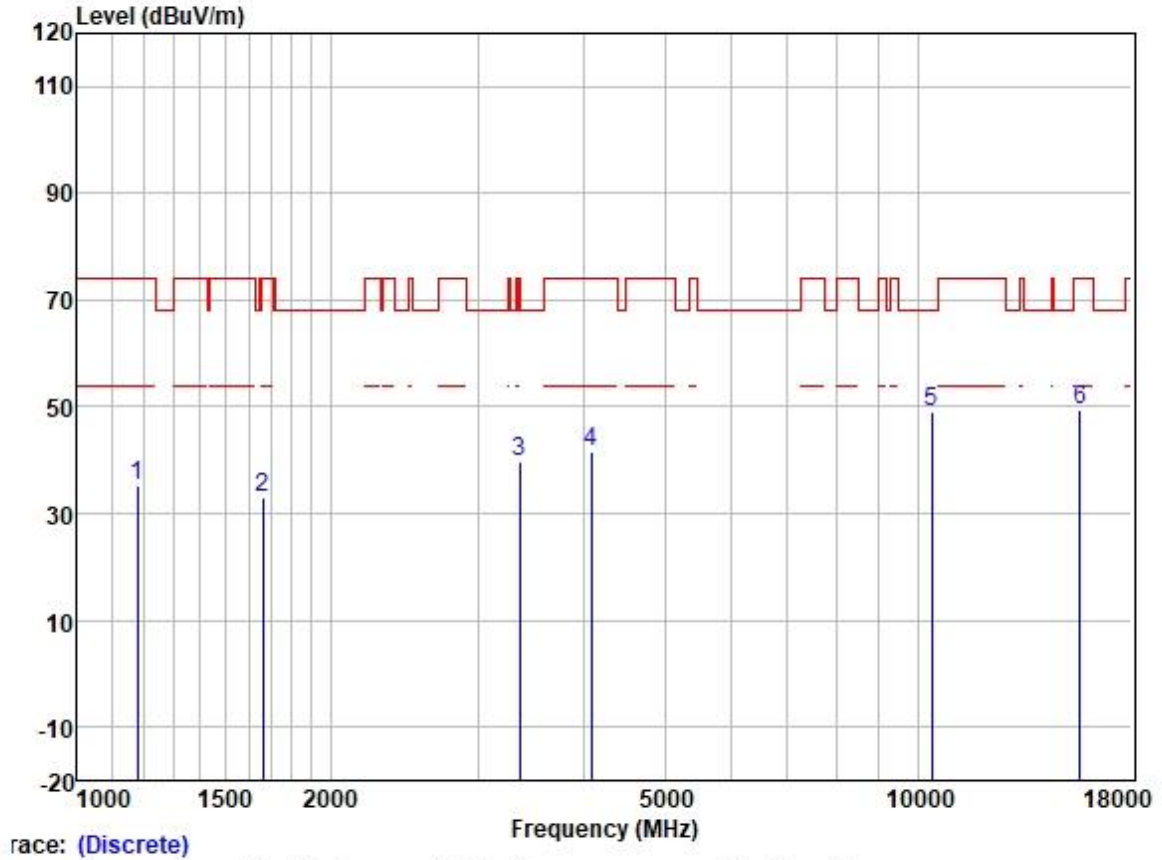
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1179.100	46.39	24.59	2.38	38.40	34.96	74.00	-39.04	VERTICAL	Peak
2	1663.137	44.19	25.65	2.80	37.91	34.73	74.00	-39.27	VERTICAL	Peak
3	3485.601	42.88	28.89	4.27	36.95	39.09	68.20	-29.11	VERTICAL	Peak
4	4367.058	43.18	30.62	4.68	36.81	41.67	74.00	-32.33	VERTICAL	Peak
5	10360.000	39.56	39.28	7.29	37.37	48.76	68.20	-19.44	VERTICAL	Peak
6	15540.000	36.11	39.05	9.88	35.39	49.65	74.00	-24.35	VERTICAL	Peak

Test Mode: 10; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



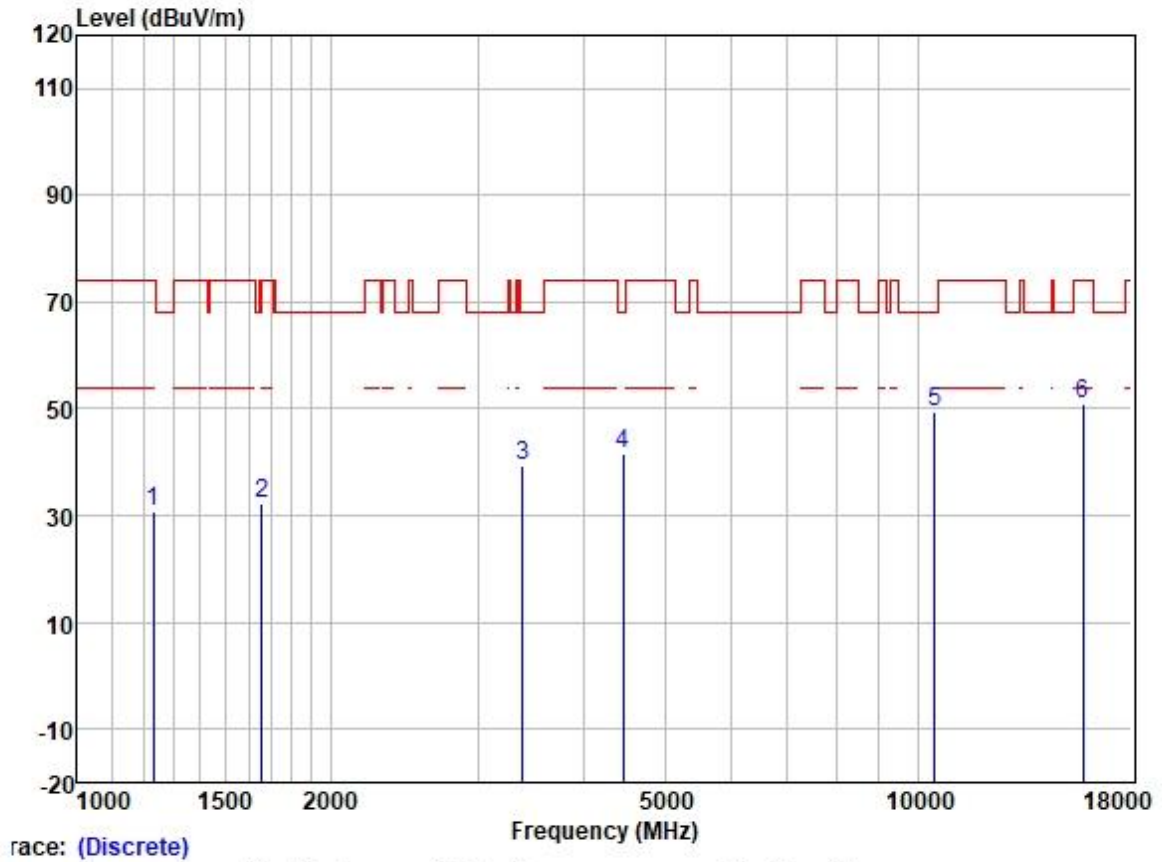
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1196.264	42.73	24.67	2.35	38.39	31.36	74.00	-42.64	HORIZONTAL Peak
2	1663.137	41.89	25.65	2.80	37.91	32.43	74.00	-41.57	HORIZONTAL Peak
3	3435.590	43.34	28.87	4.16	36.97	39.40	68.20	-28.80	HORIZONTAL Peak
4	4329.354	43.03	30.54	4.67	36.81	41.43	74.00	-32.57	HORIZONTAL Peak
5	10400.000	39.71	39.33	7.32	37.36	49.00	68.20	-19.20	HORIZONTAL Peak
6	15600.000	36.44	38.99	9.88	35.39	49.92	74.00	-24.08	HORIZONTAL Peak

Test Mode: 10; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



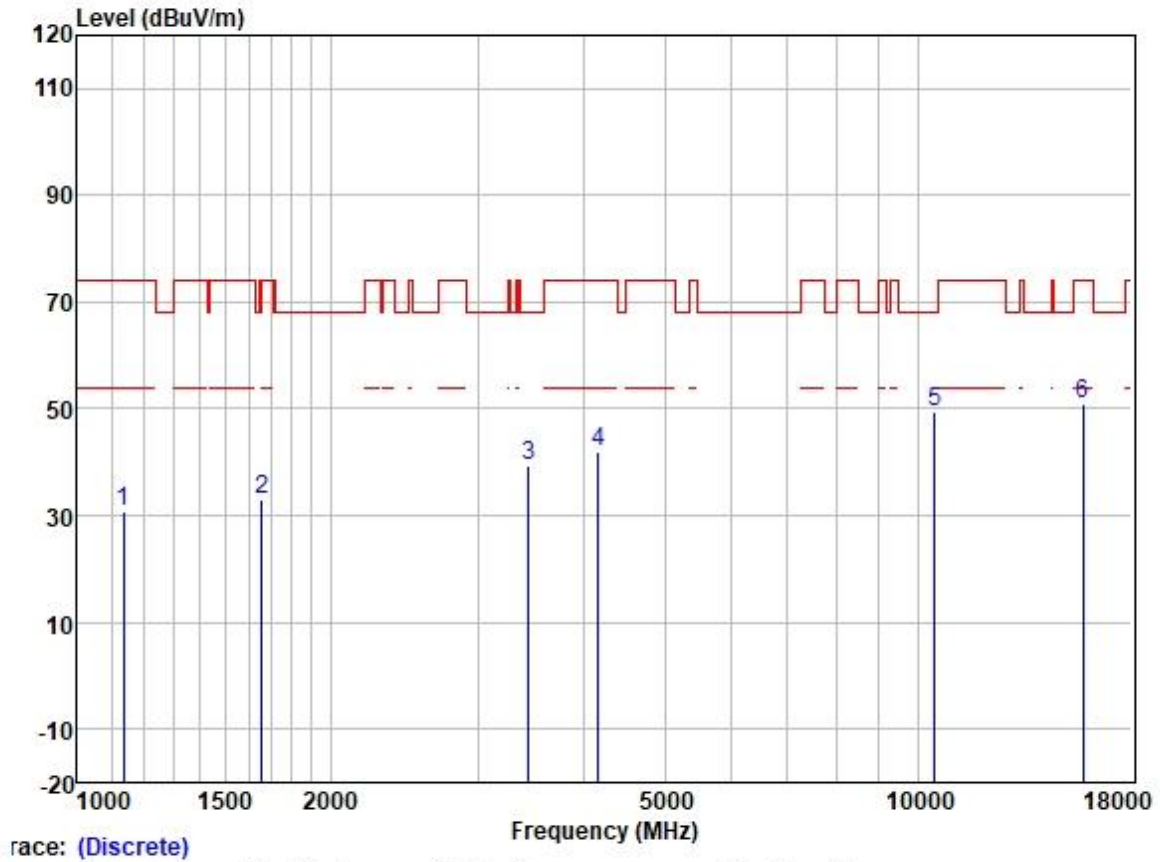
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1179.100	46.51	24.59	2.38	38.40	35.08	74.00	-38.92	VERTICAL	Peak
2	1663.137	42.38	25.65	2.80	37.91	32.92	74.00	-41.08	VERTICAL	Peak
3	3357.061	43.87	28.81	4.09	37.01	39.76	74.00	-34.24	VERTICAL	Peak
4	4086.182	44.04	29.92	4.60	36.80	41.76	74.00	-32.24	VERTICAL	Peak
5	10400.000	39.61	39.33	7.32	37.36	48.90	68.20	-19.30	VERTICAL	Peak
6	15600.000	35.88	38.99	9.88	35.39	49.36	74.00	-24.64	VERTICAL	Peak

Test Mode: 10; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



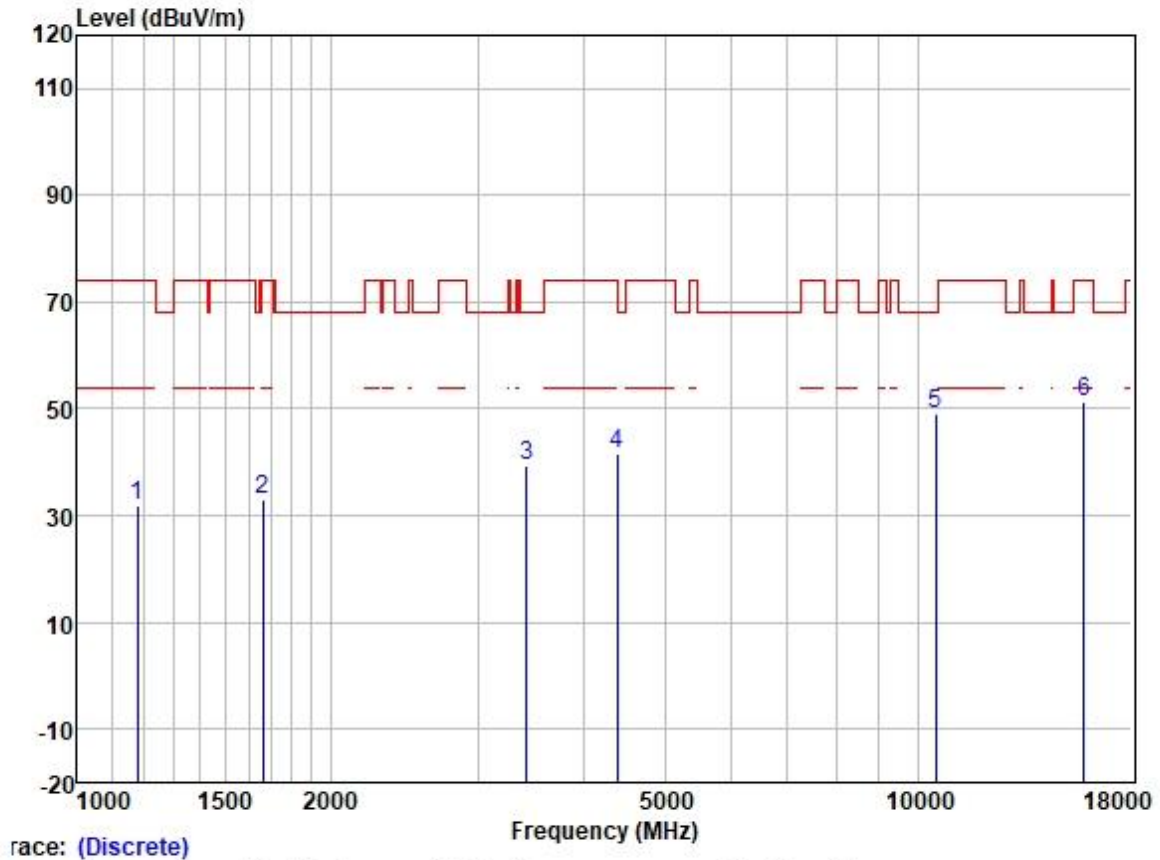
	ReadAntenna	Cable	Preamp		Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1231.345	42.10	24.91	2.31	38.37	30.95	74.00	-43.05	HORIZONTAL Peak
2	1658.337	41.69	25.65	2.80	37.93	32.21	68.20	-35.99	HORIZONTAL Peak
3	3386.297	43.43	28.83	4.10	36.99	39.37	68.20	-28.83	HORIZONTAL Peak
4	4456.315	42.96	30.75	4.88	36.81	41.78	68.20	-26.42	HORIZONTAL Peak
5	10480.000	40.12	39.46	7.40	37.36	49.62	68.20	-18.58	HORIZONTAL Peak
6	15720.000	37.79	38.78	9.87	35.39	51.05	74.00	-22.95	HORIZONTAL Peak

Test Mode: 10; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



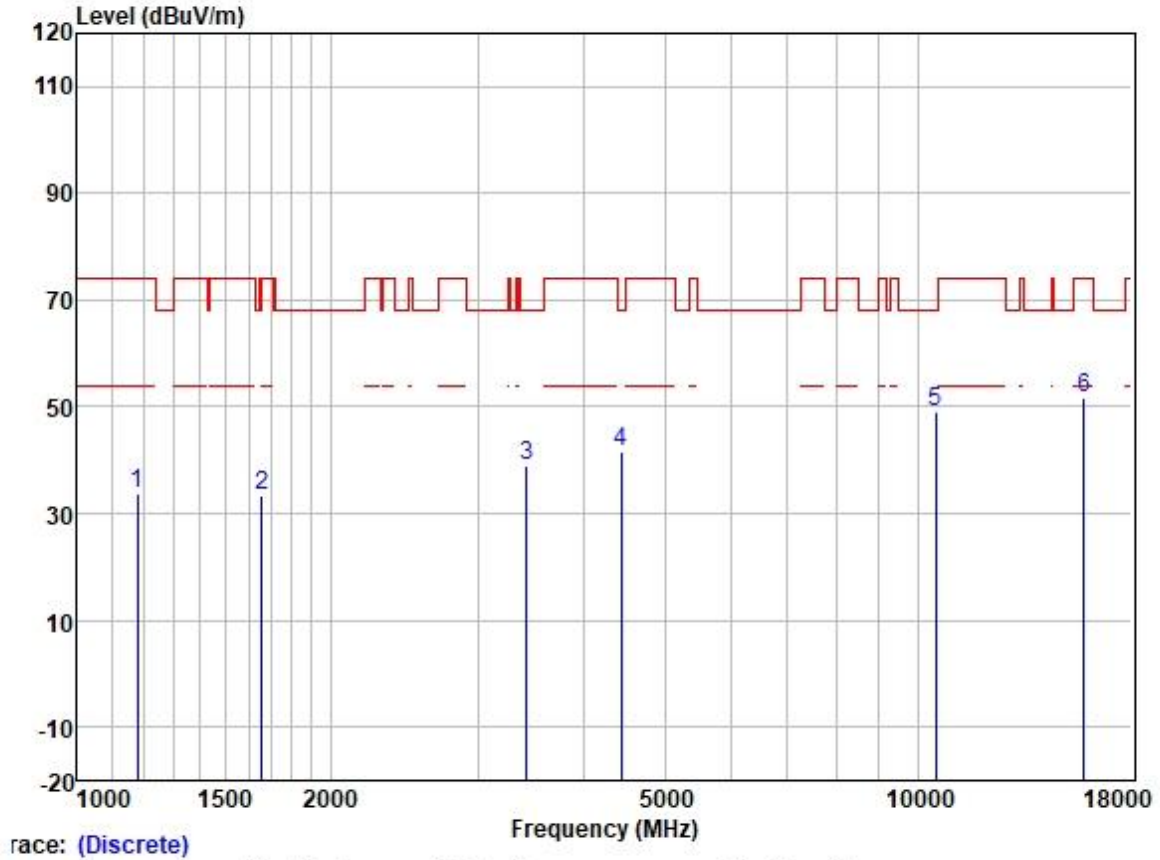
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1135.617	42.52	24.45	2.25	38.43	30.79	74.00	-43.21	VERTICAL	Peak
2	1658.337	42.48	25.65	2.80	37.93	33.00	68.20	-35.20	VERTICAL	Peak
3	3445.535	43.36	28.87	4.18	36.96	39.45	68.20	-28.75	VERTICAL	Peak
4	4169.698	44.08	30.09	4.60	36.80	41.97	74.00	-32.03	VERTICAL	Peak
5	10480.000	39.84	39.46	7.40	37.36	49.34	68.20	-18.86	VERTICAL	Peak
6	15720.000	37.73	38.78	9.87	35.39	50.99	74.00	-23.01	VERTICAL	Peak

Test Mode: 11; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



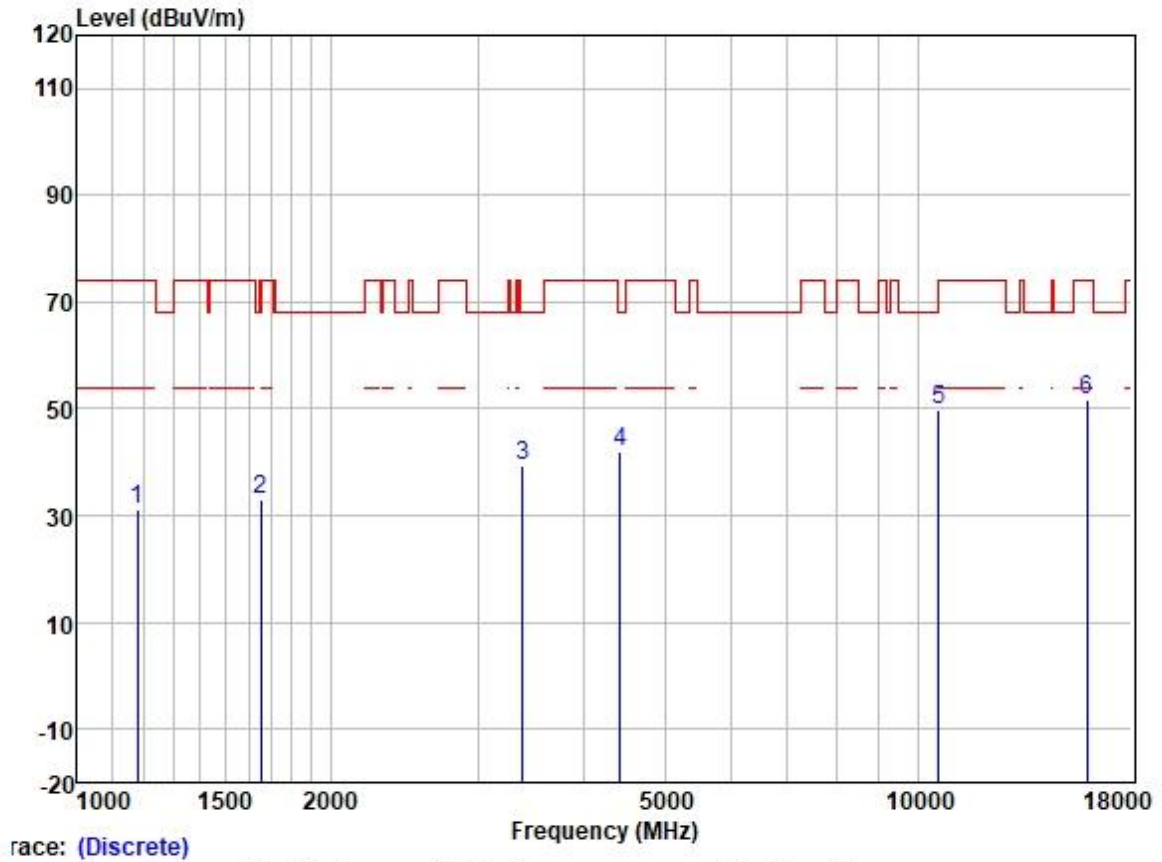
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1179.100	43.29	24.59	2.38	38.40	31.86	74.00	-42.14	HORIZONTAL	Peak
2	1663.137	42.50	25.65	2.80	37.91	33.04	74.00	-40.96	HORIZONTAL	Peak
3	3425.675	43.23	28.86	4.15	36.97	39.27	68.20	-28.93	HORIZONTAL	Peak
4	4392.376	43.14	30.66	4.70	36.81	41.69	74.00	-32.31	HORIZONTAL	Peak
5	10520.000	39.33	39.50	7.42	37.35	48.90	68.20	-19.30	HORIZONTAL	Peak
6	15780.000	38.06	38.70	9.86	35.39	51.23	74.00	-22.77	HORIZONTAL	Peak

Test Mode: 11; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



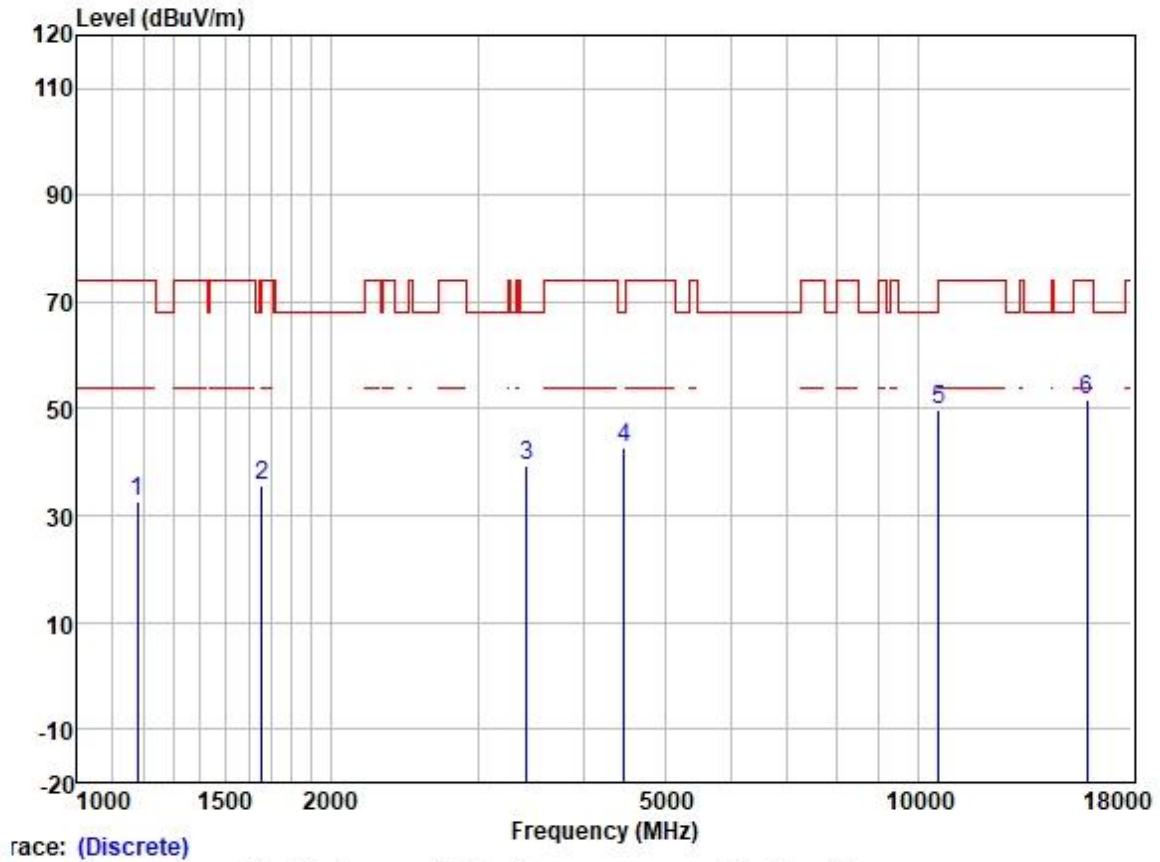
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1179.100	45.08	24.59	2.38	38.40	33.65	74.00	-40.35	VERTICAL	Peak
2	1658.337	42.84	25.65	2.80	37.93	33.36	68.20	-34.84	VERTICAL	Peak
3	3425.675	43.05	28.86	4.15	36.97	39.09	68.20	-29.11	VERTICAL	Peak
4	4443.453	42.95	30.73	4.83	36.81	41.70	68.20	-26.50	VERTICAL	Peak
5	10520.000	39.40	39.50	7.42	37.35	48.97	68.20	-19.23	VERTICAL	Peak
6	15780.000	38.36	38.70	9.86	35.39	51.53	74.00	-22.47	VERTICAL	Peak

Test Mode: 11; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



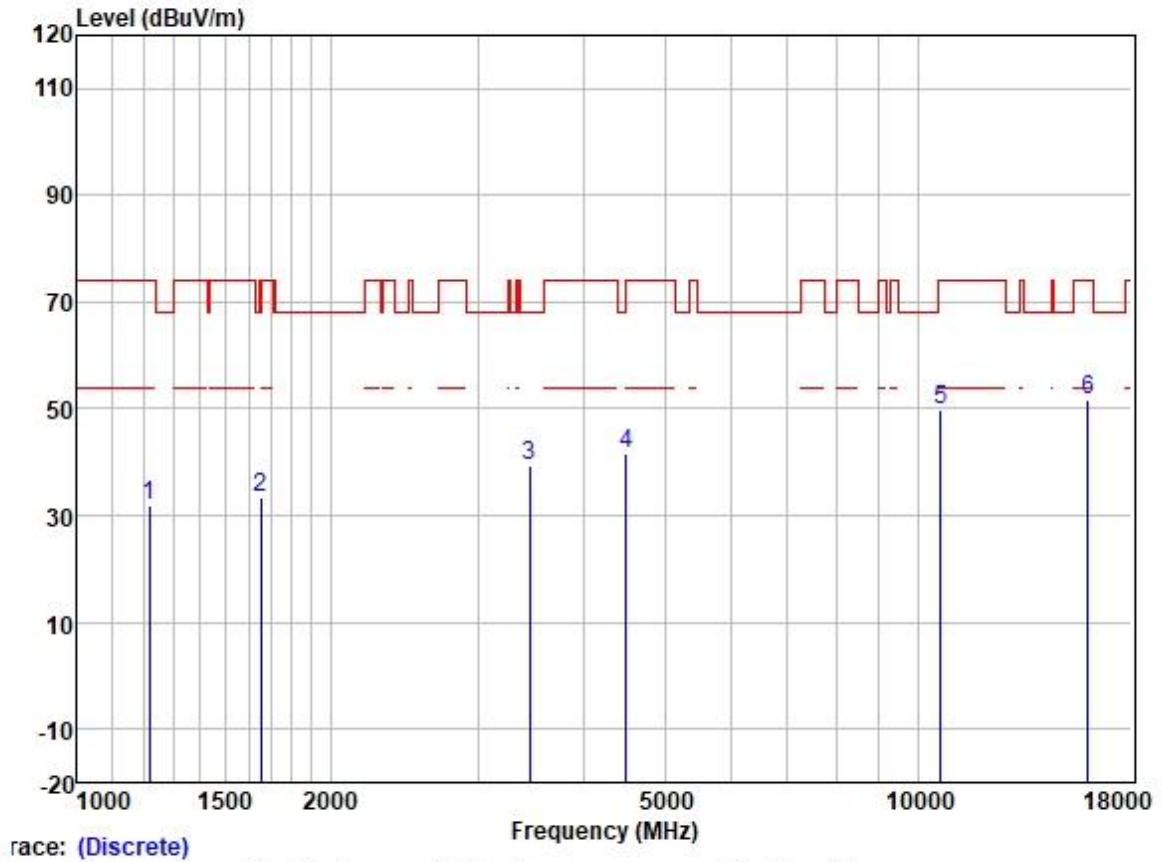
	ReadAntenna	Cable	Preamp	Limit	Over				
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1179.100	42.59	24.59	2.38	38.40	31.16	74.00	-42.84	HORIZONTAL Peak
2	1653.550	42.57	25.64	2.80	37.93	33.08	68.20	-35.12	HORIZONTAL Peak
3	3386.297	43.32	28.83	4.10	36.99	39.26	68.20	-28.94	HORIZONTAL Peak
4	4430.628	43.20	30.72	4.78	36.81	41.89	68.20	-26.31	HORIZONTAL Peak
5	10600.000	40.14	39.59	7.46	37.34	49.85	68.20	-18.35	HORIZONTAL Peak
6	15900.000	38.61	38.44	9.86	35.40	51.51	74.00	-22.49	HORIZONTAL Peak

Test Mode: 11; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



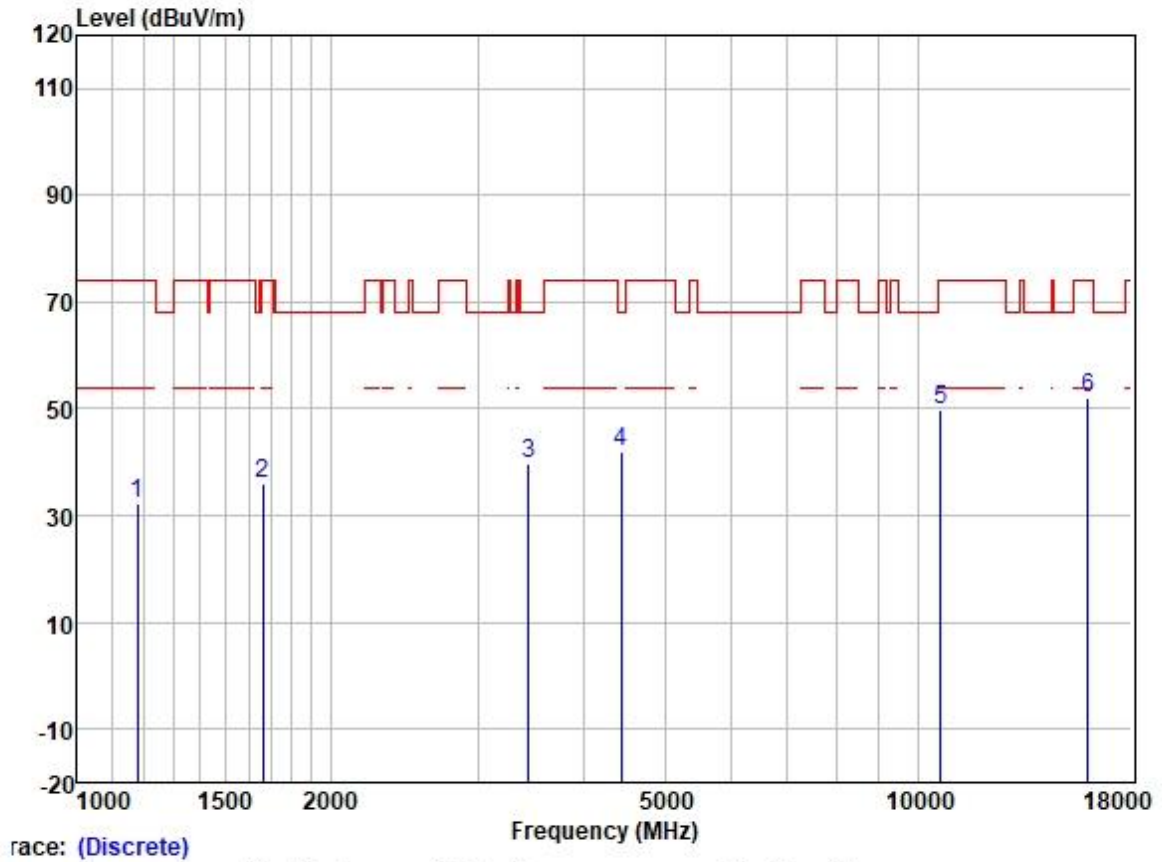
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1179.100	44.03	24.59	2.38	38.40	32.60	74.00	-41.40	VERTICAL	Peak
2	1658.337	45.22	25.65	2.80	37.93	35.74	68.20	-32.46	VERTICAL	Peak
3	3425.675	43.43	28.86	4.15	36.97	39.47	68.20	-28.73	VERTICAL	Peak
4	4469.214	43.77	30.77	4.93	36.81	42.66	68.20	-25.54	VERTICAL	Peak
5	10600.000	40.23	39.59	7.46	37.34	49.94	68.20	-18.26	VERTICAL	Peak
6	15900.000	38.85	38.44	9.86	35.40	51.75	74.00	-22.25	VERTICAL	Peak

Test Mode: 11; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



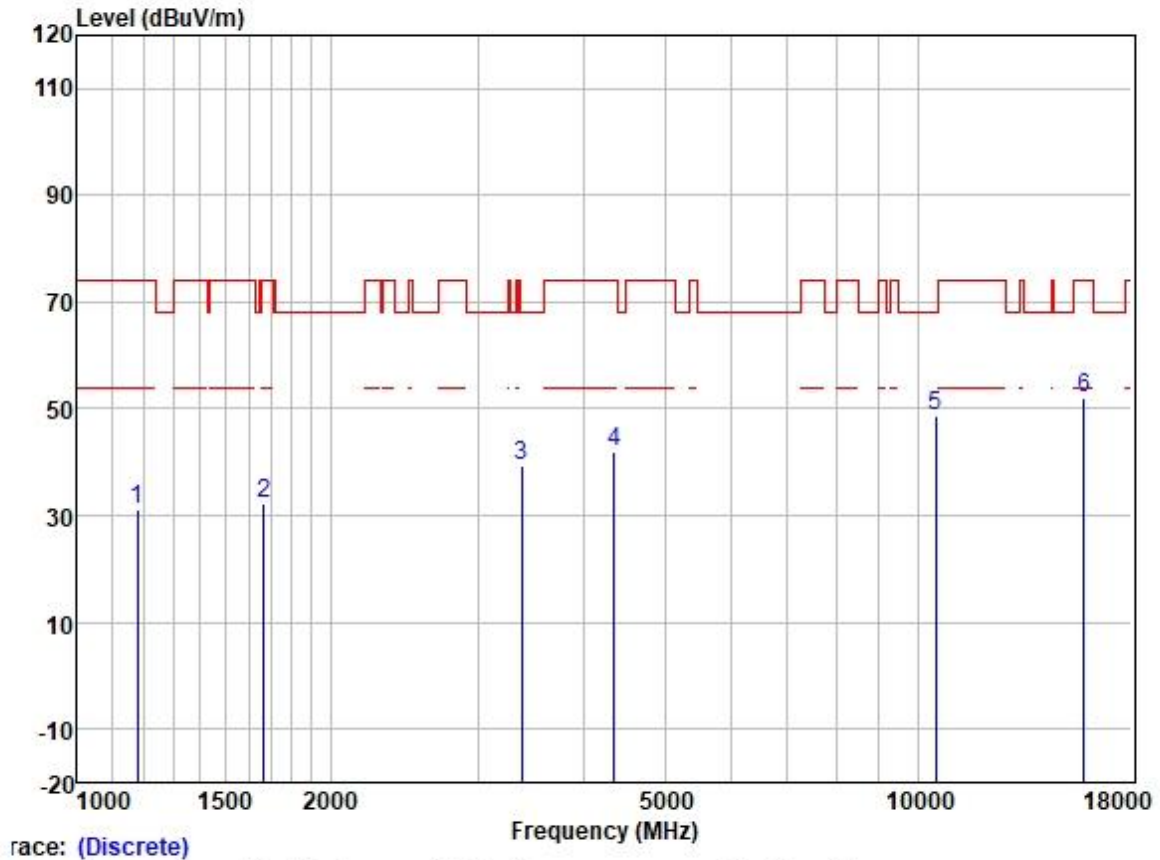
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1217.190	43.16	24.79	2.32	38.37	31.90	74.00	-42.10	HORIZONTAL	Peak
2	1653.550	43.01	25.64	2.80	37.93	33.52	68.20	-34.68	HORIZONTAL	Peak
3	3455.508	43.16	28.88	4.20	36.96	39.28	68.20	-28.92	HORIZONTAL	Peak
4	4495.125	42.64	30.80	5.05	36.82	41.67	68.20	-26.53	HORIZONTAL	Peak
5	10640.000	39.89	39.63	7.48	37.33	49.67	74.00	-24.33	HORIZONTAL	Peak
6	15960.000	39.01	38.37	9.85	35.40	51.83	74.00	-22.17	HORIZONTAL	Peak

Test Mode: 11; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



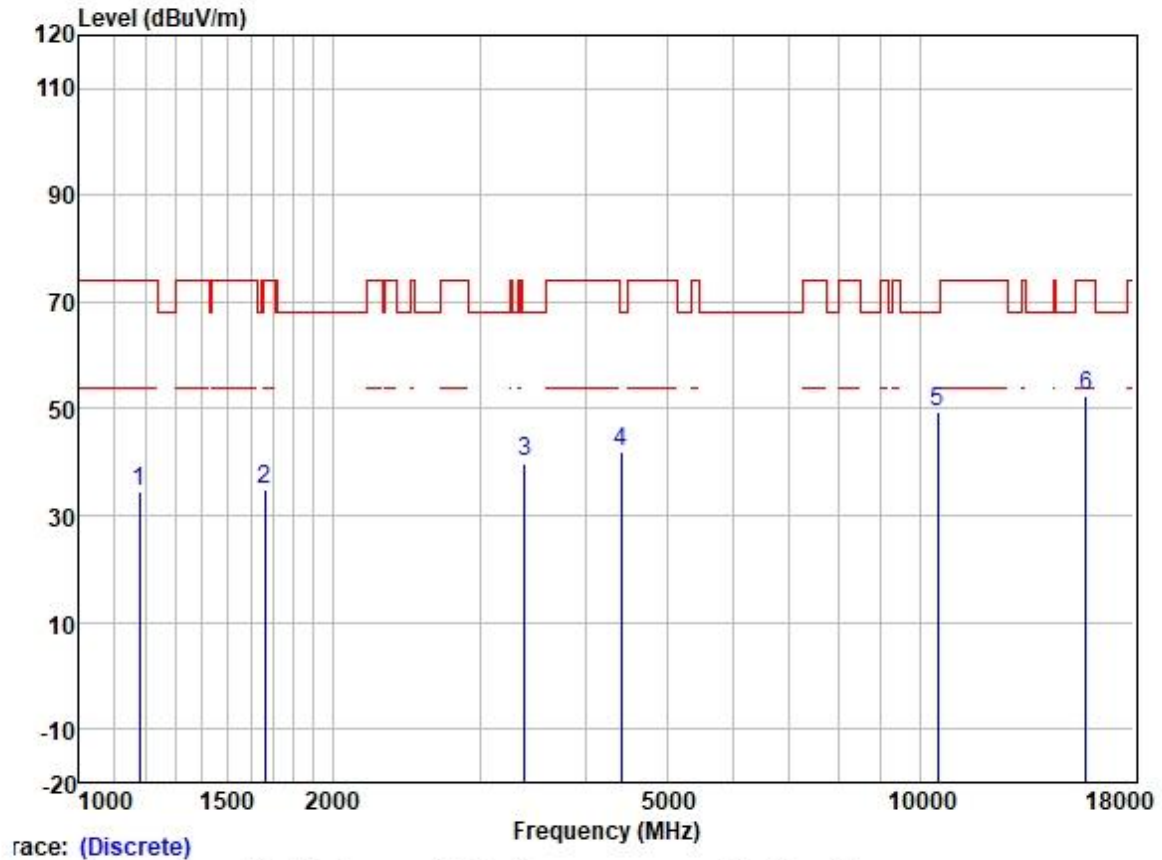
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1179.100	43.59	24.59	2.38	38.40	32.16	74.00	-41.84	VERTICAL	Peak
2	1663.137	45.45	25.65	2.80	37.91	35.99	74.00	-38.01	VERTICAL	Peak
3	3445.535	43.69	28.87	4.18	36.96	39.78	68.20	-28.42	VERTICAL	Peak
4	4443.453	43.13	30.73	4.83	36.81	41.88	68.20	-26.32	VERTICAL	Peak
5	10640.000	40.02	39.63	7.48	37.33	49.80	74.00	-24.20	VERTICAL	Peak
6	15960.000	39.29	38.37	9.85	35.40	52.11	74.00	-21.89	VERTICAL	Peak

Test Mode: 11; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



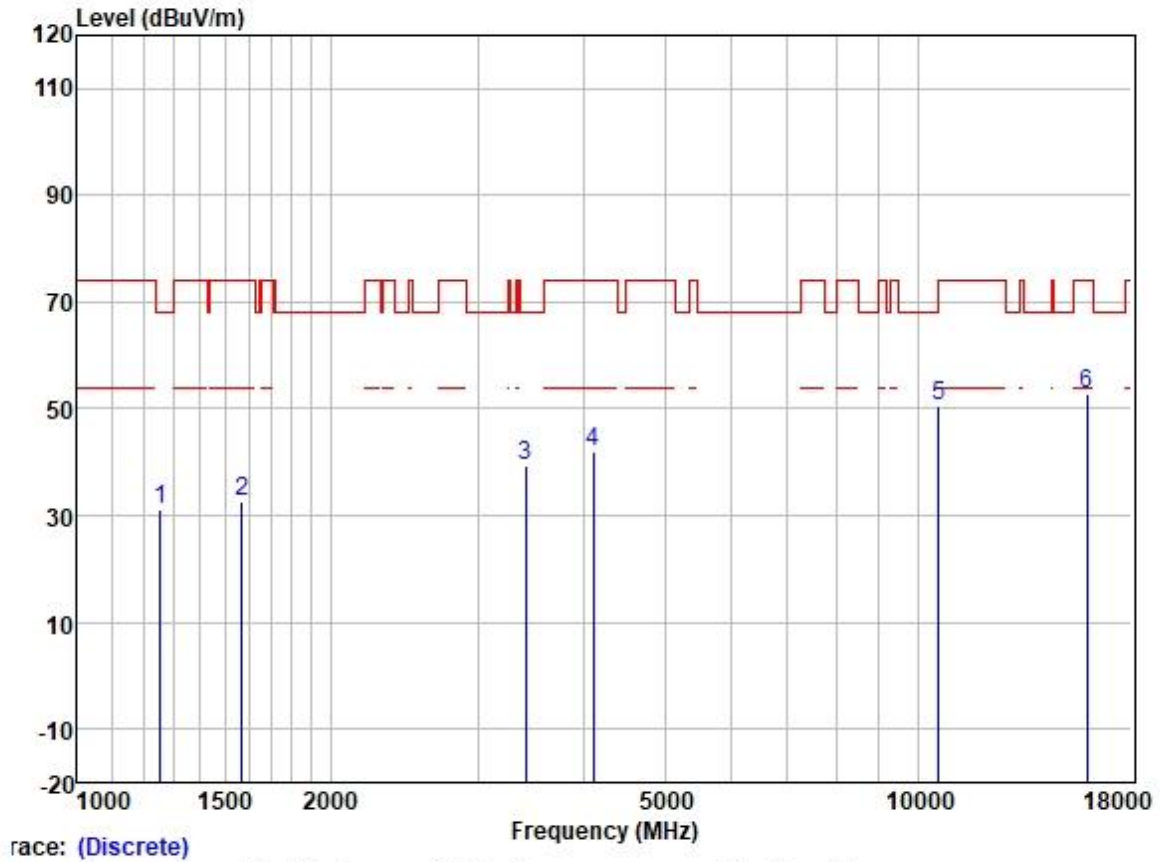
		Read	Antenna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1179.100	42.49	24.59	2.38	38.40	31.06	74.00	-42.94	HORIZONTAL	Peak
2	1667.951	41.62	25.66	2.80	37.91	32.17	74.00	-41.83	HORIZONTAL	Peak
3	3376.523	43.44	28.83	4.09	36.99	39.37	68.20	-28.83	HORIZONTAL	Peak
4	4354.454	43.33	30.59	4.68	36.81	41.79	74.00	-32.21	HORIZONTAL	Peak
5	10520.000	39.05	39.50	7.42	37.35	48.62	68.20	-19.58	HORIZONTAL	Peak
6	15780.000	38.70	38.70	9.86	35.39	51.87	74.00	-22.13	HORIZONTAL	Peak

Test Mode: 11; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



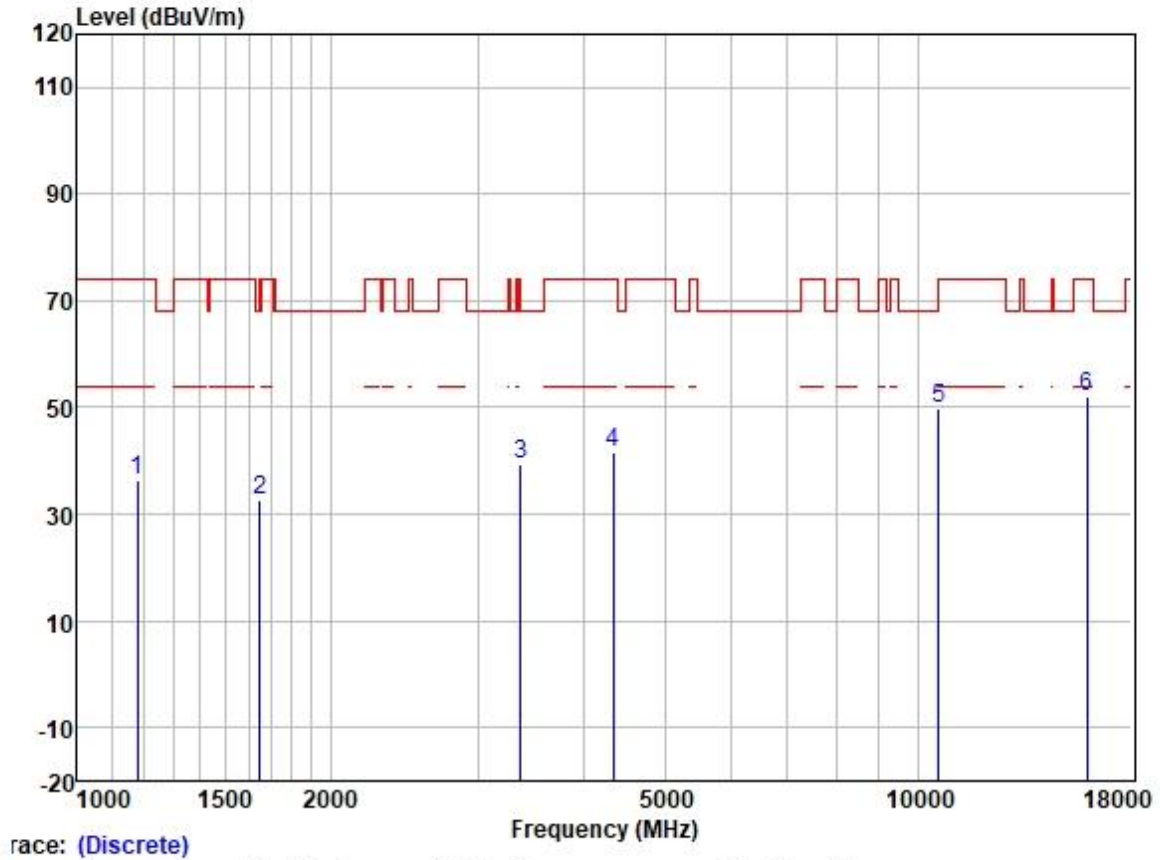
		Read	Antenna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1179.100	45.89	24.59	2.38	38.40	34.46	74.00	-39.54	VERTICAL	Peak
2	1663.137	44.44	25.65	2.80	37.91	34.98	74.00	-39.02	VERTICAL	Peak
3	3386.297	43.98	28.83	4.10	36.99	39.92	68.20	-28.28	VERTICAL	Peak
4	4417.841	43.20	30.70	4.74	36.81	41.83	68.20	-26.37	VERTICAL	Peak
5	10520.000	40.02	39.50	7.42	37.35	49.59	68.20	-18.61	VERTICAL	Peak
6	15780.000	39.31	38.70	9.86	35.39	52.48	74.00	-21.52	VERTICAL	Peak

Test Mode: 11; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



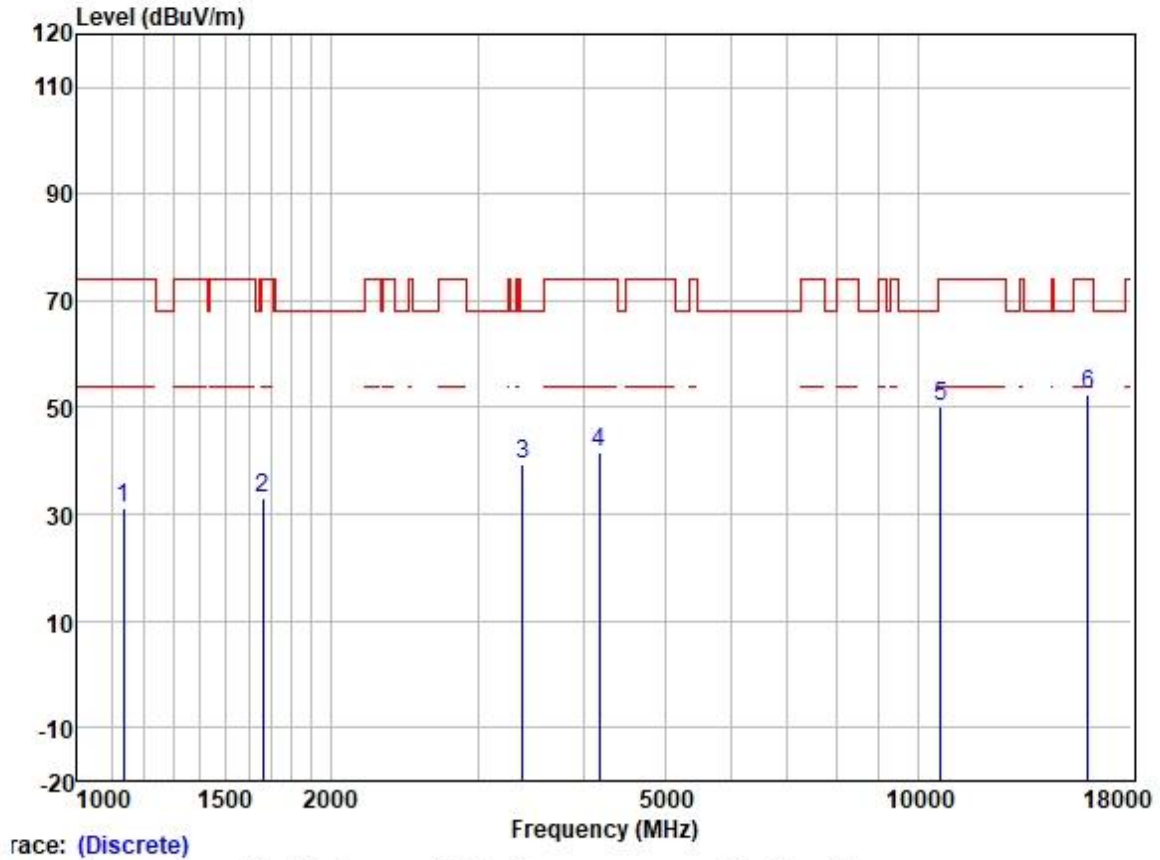
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1256.512	42.06	25.05	2.38	38.35	31.14	68.20	-37.06	HORIZONTAL	Peak
2	1569.721	42.27	25.55	2.80	38.00	32.62	74.00	-41.38	HORIZONTAL	Peak
3	3415.787	43.25	28.85	4.13	36.97	39.26	68.20	-28.94	HORIZONTAL	Peak
4	4109.872	44.10	29.96	4.60	36.80	41.86	74.00	-32.14	HORIZONTAL	Peak
5	10600.000	40.78	39.59	7.46	37.34	50.49	68.20	-17.71	HORIZONTAL	Peak
6	15900.000	40.02	38.44	9.86	35.40	52.92	74.00	-21.08	HORIZONTAL	Peak

Test Mode: 11; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



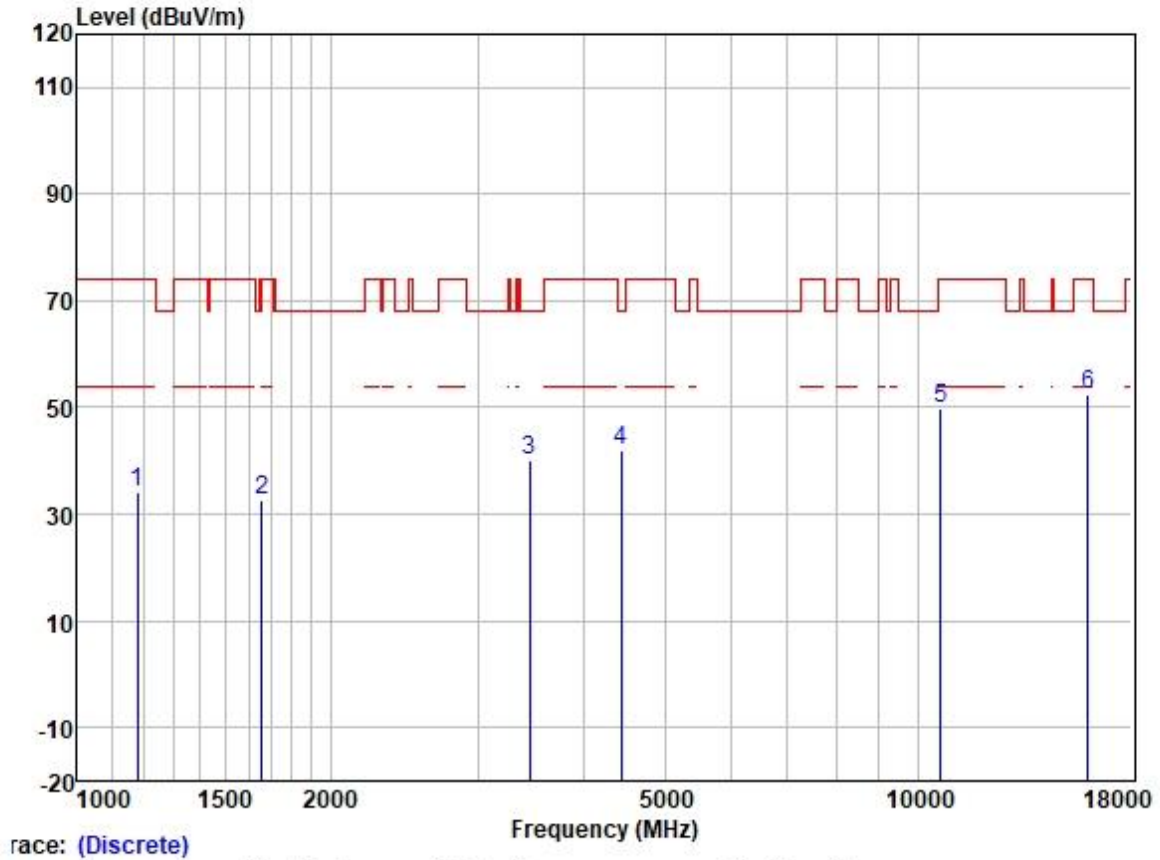
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1179.100	47.76	24.59	2.38	38.40	36.33	74.00	-37.67	VERTICAL	Peak
2	1648.778	42.02	25.63	2.80	37.93	32.52	68.20	-35.68	VERTICAL	Peak
3	3366.778	43.38	28.82	4.09	36.99	39.30	68.20	-28.90	VERTICAL	Peak
4	4341.886	43.01	30.57	4.67	36.81	41.44	74.00	-32.56	VERTICAL	Peak
5	10600.000	40.06	39.59	7.46	37.34	49.77	68.20	-18.43	VERTICAL	Peak
6	15900.000	39.28	38.44	9.86	35.40	52.18	74.00	-21.82	VERTICAL	Peak

Test Mode: 11; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



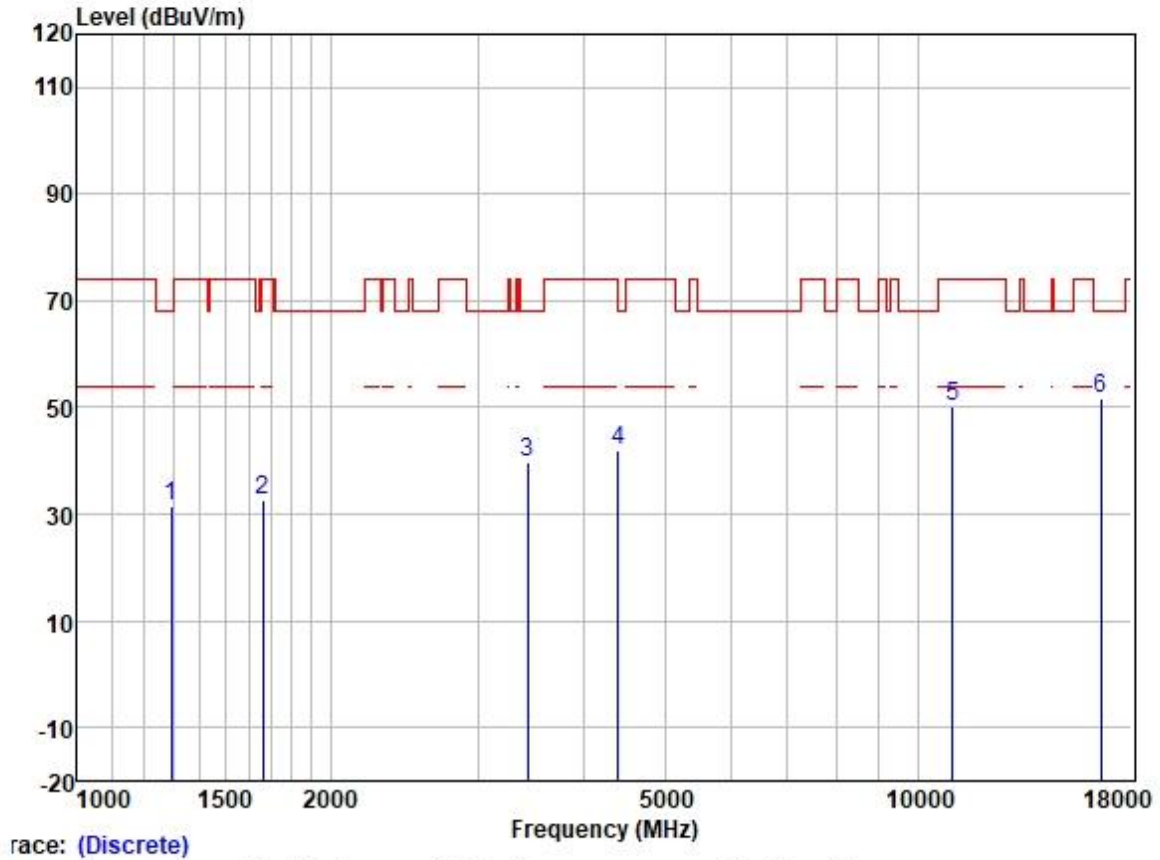
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1135.617	42.85	24.45	2.25	38.43	31.12	74.00	-42.88	HORIZONTAL	Peak
2	1663.137	42.56	25.65	2.80	37.91	33.10	74.00	-40.90	HORIZONTAL	Peak
3	3386.297	43.48	28.83	4.10	36.99	39.42	68.20	-28.78	HORIZONTAL	Peak
4	4181.768	43.80	30.12	4.60	36.80	41.72	74.00	-32.28	HORIZONTAL	Peak
5	10640.000	40.31	39.63	7.48	37.33	50.09	74.00	-23.91	HORIZONTAL	Peak
6	15960.000	39.71	38.37	9.85	35.40	52.53	74.00	-21.47	HORIZONTAL	Peak

Test Mode: 11; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



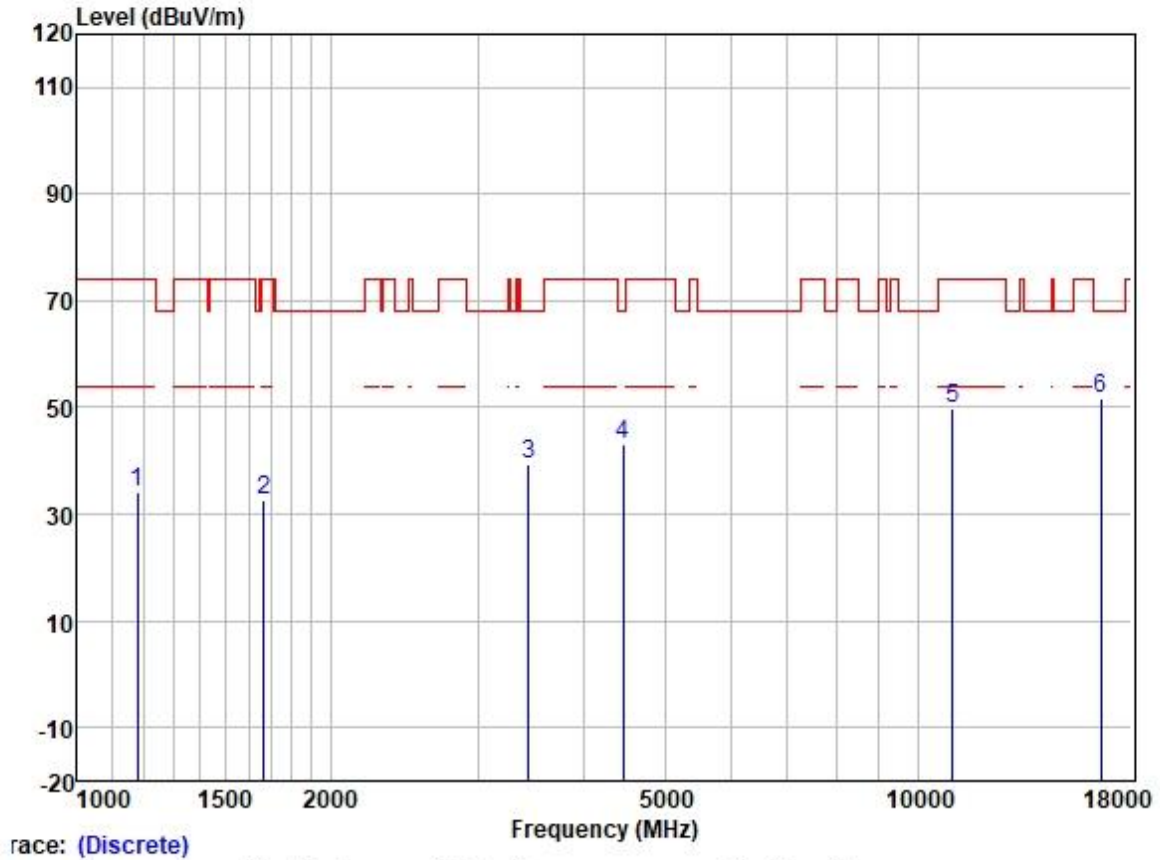
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1179.100	45.63	24.59	2.38	38.40	34.20	74.00	-39.80	VERTICAL	Peak
2	1658.337	42.24	25.65	2.80	37.93	32.76	68.20	-35.44	VERTICAL	Peak
3	3455.508	43.94	28.88	4.20	36.96	40.06	68.20	-28.14	VERTICAL	Peak
4	4443.453	43.10	30.73	4.83	36.81	41.85	68.20	-26.35	VERTICAL	Peak
5	10640.000	40.21	39.63	7.48	37.33	49.99	74.00	-24.01	VERTICAL	Peak
6	15960.000	39.73	38.37	9.85	35.40	52.55	74.00	-21.45	VERTICAL	Peak

Test Mode: 12; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1293.359	41.99	25.18	2.57	38.31	31.43	68.20	-36.77	HORIZONTAL	Peak
2	1663.137	41.92	25.65	2.80	37.91	32.46	74.00	-41.54	HORIZONTAL	Peak
3	3435.590	43.62	28.87	4.16	36.97	39.68	68.20	-28.52	HORIZONTAL	Peak
4	4405.090	43.43	30.68	4.70	36.81	42.00	68.20	-26.20	HORIZONTAL	Peak
5	11000.000	39.67	40.10	7.71	37.25	50.23	74.00	-23.77	HORIZONTAL	Peak
6	16500.000	38.05	39.60	9.44	35.38	51.71	68.20	-16.49	HORIZONTAL	Peak

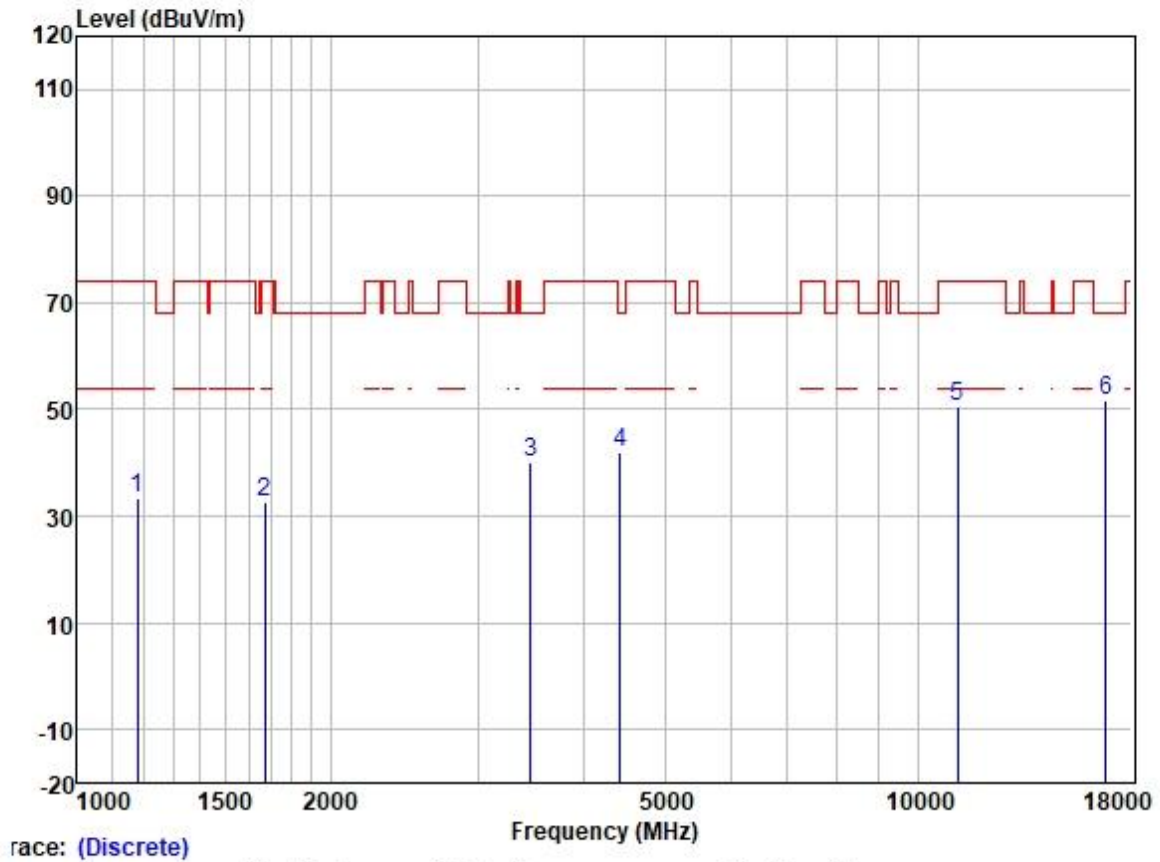
Test Mode: 12; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

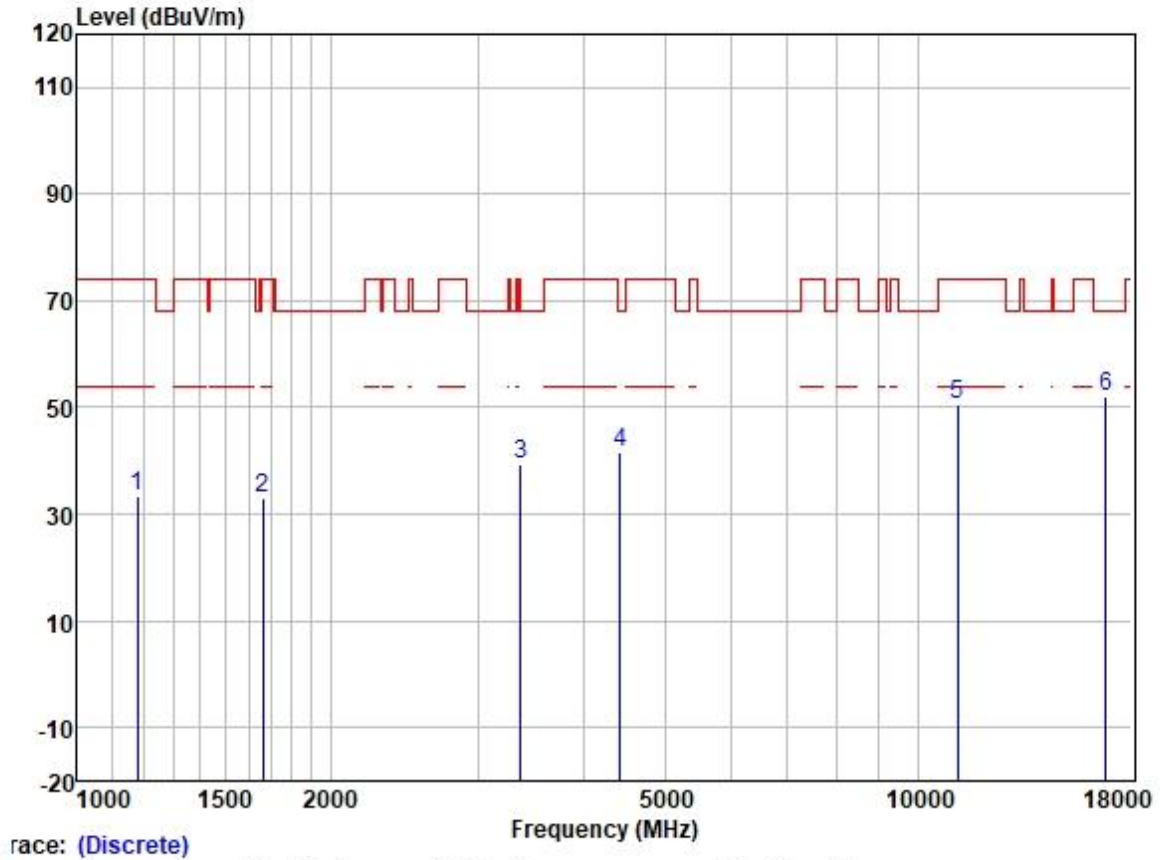
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1179.100	45.61	24.59	2.38	38.40	34.18	74.00	-39.82	VERTICAL	Peak
2	1667.951	42.19	25.66	2.80	37.91	32.74	74.00	-41.26	VERTICAL	Peak
3	3445.535	43.13	28.87	4.18	36.96	39.22	68.20	-28.98	VERTICAL	Peak
4	4456.315	44.44	30.75	4.88	36.81	43.26	68.20	-24.94	VERTICAL	Peak
5	11000.000	39.42	40.10	7.71	37.25	49.98	74.00	-24.02	VERTICAL	Peak
6	16500.000	37.85	39.60	9.44	35.38	51.51	68.20	-16.69	VERTICAL	Peak

Test Mode: 12; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



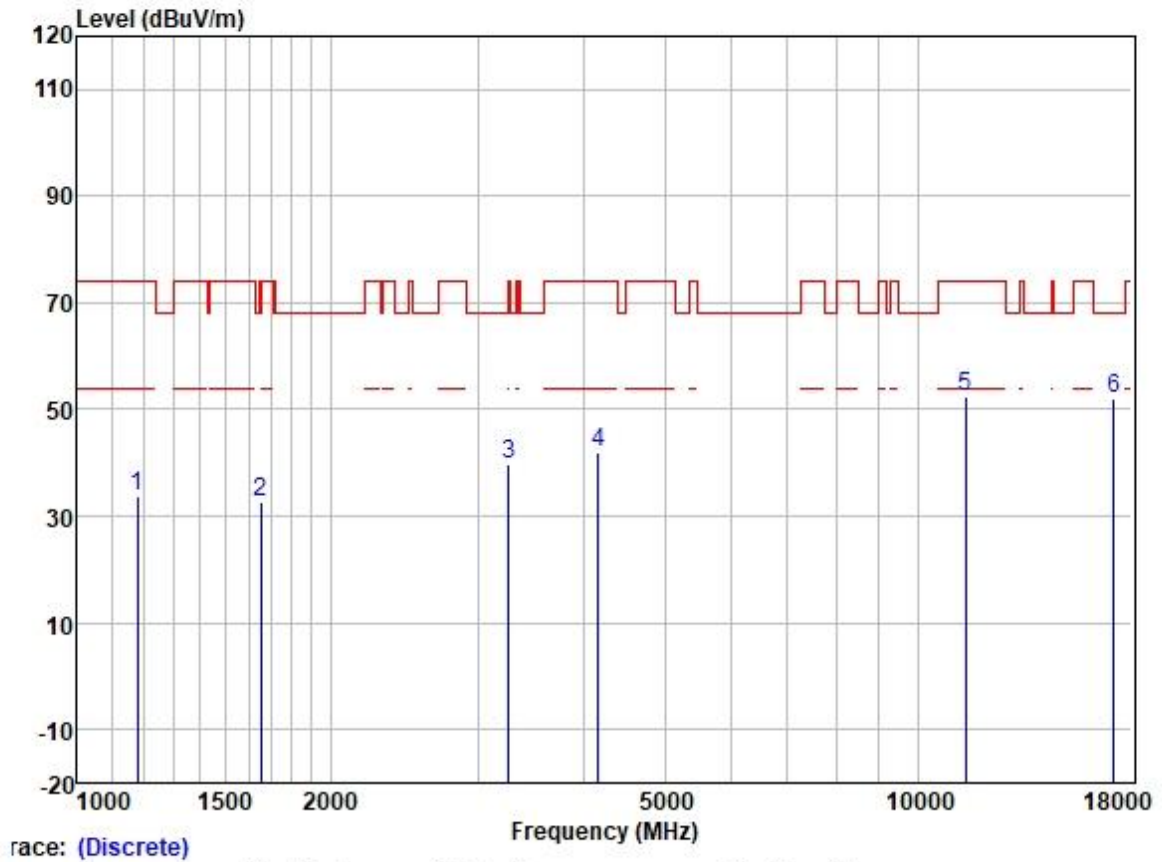
	ReadAntenna	Cable	Preamp		Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1179.100	44.79	24.59	2.38	38.40	33.36	74.00	-40.64	HORIZONTAL Peak
2	1672.779	42.24	25.67	2.80	37.91	32.80	74.00	-41.20	HORIZONTAL Peak
3	3465.510	43.91	28.88	4.22	36.95	40.06	68.20	-28.14	HORIZONTAL Peak
4	4430.628	43.22	30.72	4.78	36.81	41.91	68.20	-26.29	HORIZONTAL Peak
5	11160.000	39.78	40.04	7.90	37.21	50.51	74.00	-23.49	HORIZONTAL Peak
6	16740.000	37.03	40.49	9.41	35.37	51.56	68.20	-16.64	HORIZONTAL Peak

Test Mode: 12; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



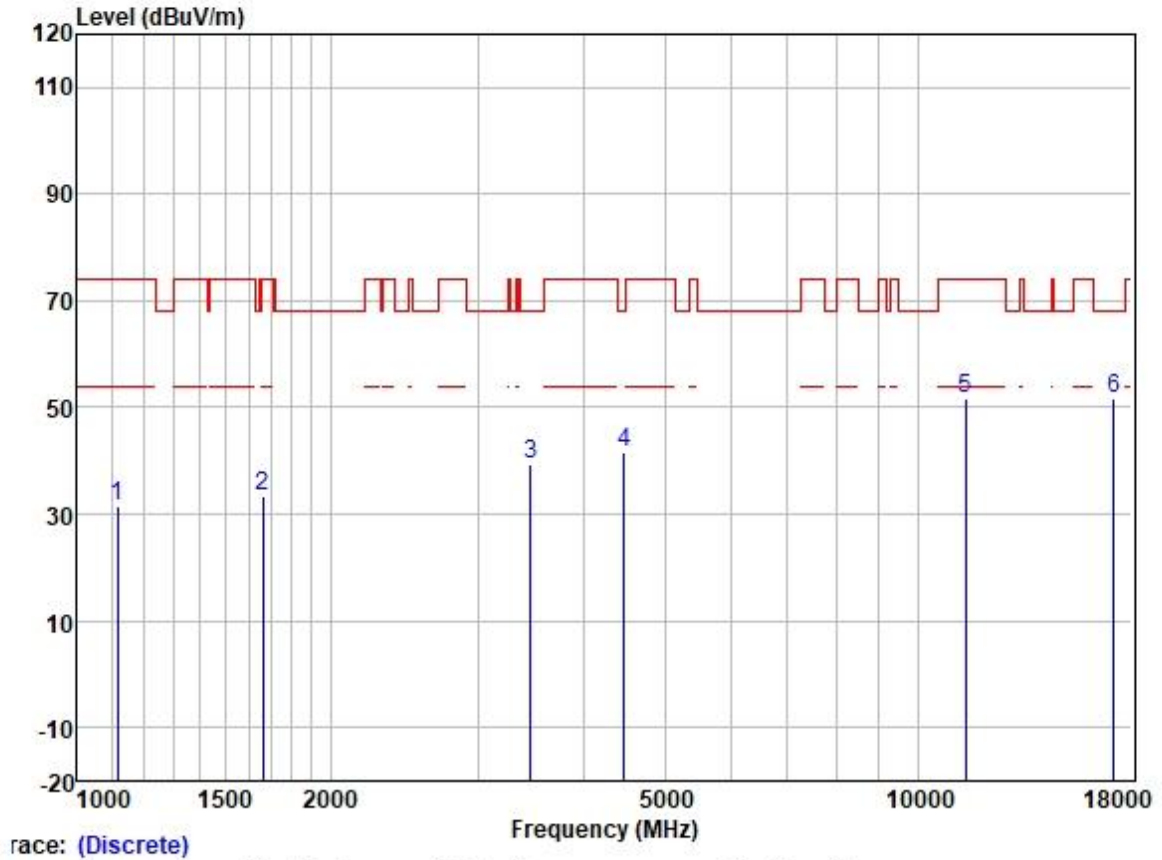
		ReadAntenna	Cable	Preamp		Limit	Over			
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1179.100	44.85	24.59	2.38	38.40	33.42	74.00	-40.58	VERTICAL	Peak
2	1663.137	42.36	25.65	2.80	37.91	32.90	74.00	-41.10	VERTICAL	Peak
3	3366.778	43.46	28.82	4.09	36.99	39.38	68.20	-28.82	VERTICAL	Peak
4	4430.628	42.96	30.72	4.78	36.81	41.65	68.20	-26.55	VERTICAL	Peak
5	11160.000	39.91	40.04	7.90	37.21	50.64	74.00	-23.36	VERTICAL	Peak
6	16740.000	37.70	40.49	9.41	35.37	52.23	68.20	-15.97	VERTICAL	Peak

Test Mode: 12; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



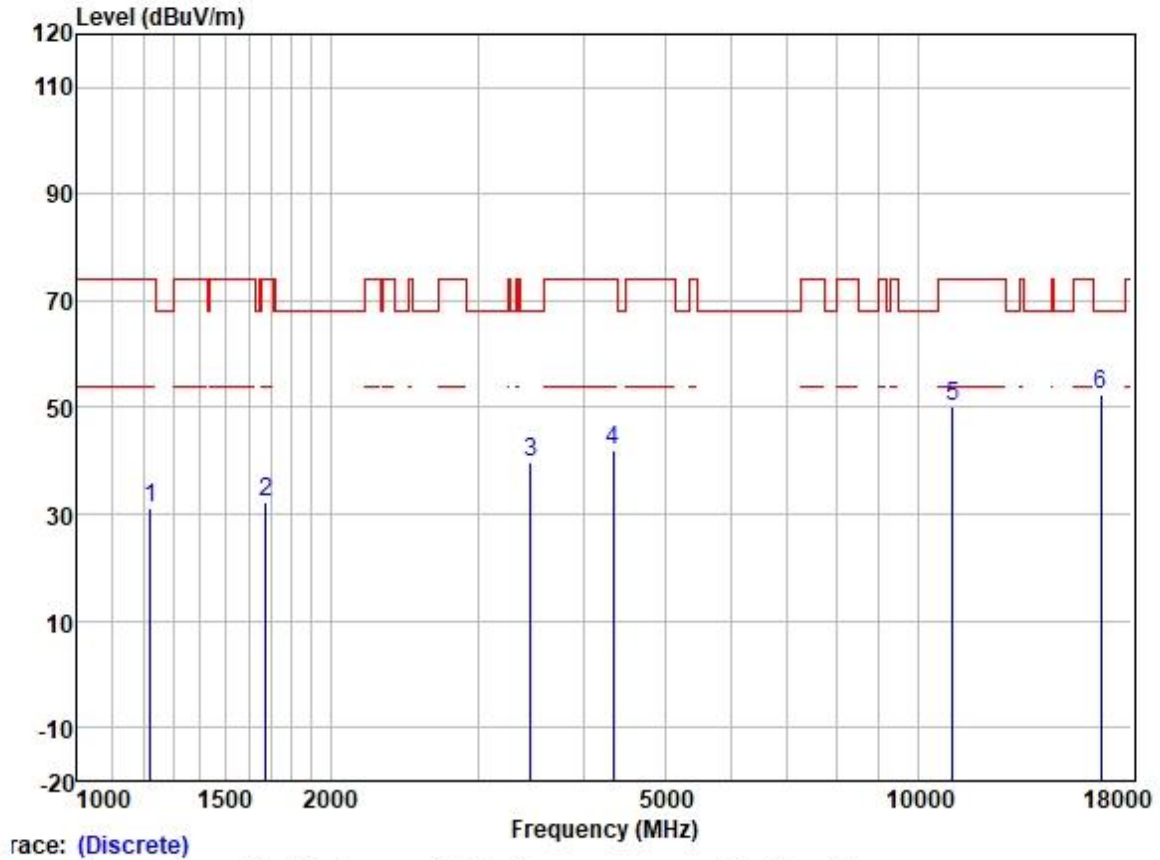
		Read	Antenna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1179.100	45.17	24.59	2.38	38.40	33.74	74.00	-40.26	HORIZONTAL	Peak
2	1653.550	42.13	25.64	2.80	37.93	32.64	68.20	-35.56	HORIZONTAL	Peak
3	3261.418	43.96	28.70	4.03	37.06	39.63	74.00	-34.37	HORIZONTAL	Peak
4	4169.698	44.05	30.09	4.60	36.80	41.94	74.00	-32.06	HORIZONTAL	Peak
5	11400.000	41.52	39.94	8.28	37.16	52.58	74.00	-21.42	HORIZONTAL	Peak
6	17100.000	35.33	42.32	9.63	35.34	51.94	68.20	-16.26	HORIZONTAL	Peak

Test Mode: 12; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



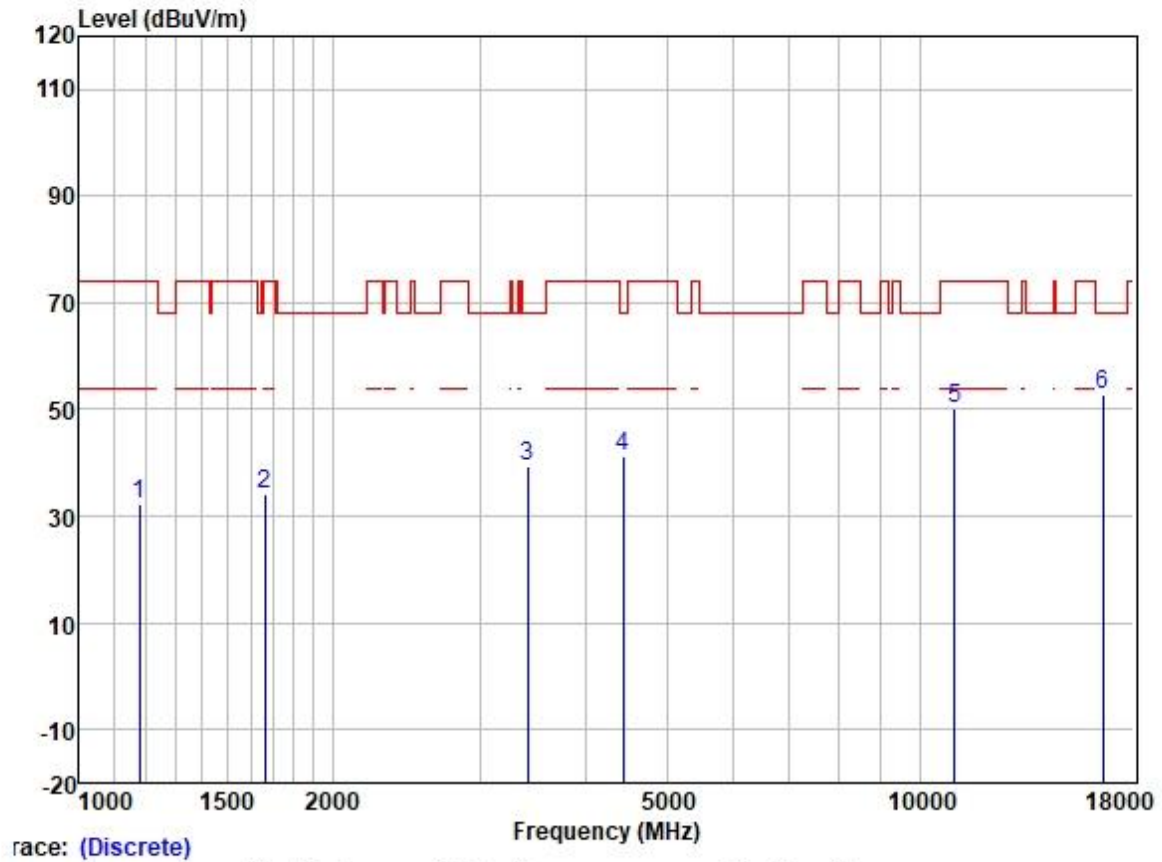
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1116.093	43.27	24.40	2.25	38.43	31.49	74.00	-42.51	VERTICAL	Peak
2	1663.137	42.71	25.65	2.80	37.91	33.25	74.00	-40.75	VERTICAL	Peak
3	3465.510	43.19	28.88	4.22	36.95	39.34	68.20	-28.86	VERTICAL	Peak
4	4469.214	42.54	30.77	4.93	36.81	41.43	68.20	-26.77	VERTICAL	Peak
5	11400.000	40.54	39.94	8.28	37.16	51.60	74.00	-22.40	VERTICAL	Peak
6	17100.000	35.25	42.32	9.63	35.34	51.86	68.20	-16.34	VERTICAL	Peak

Test Mode: 12; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



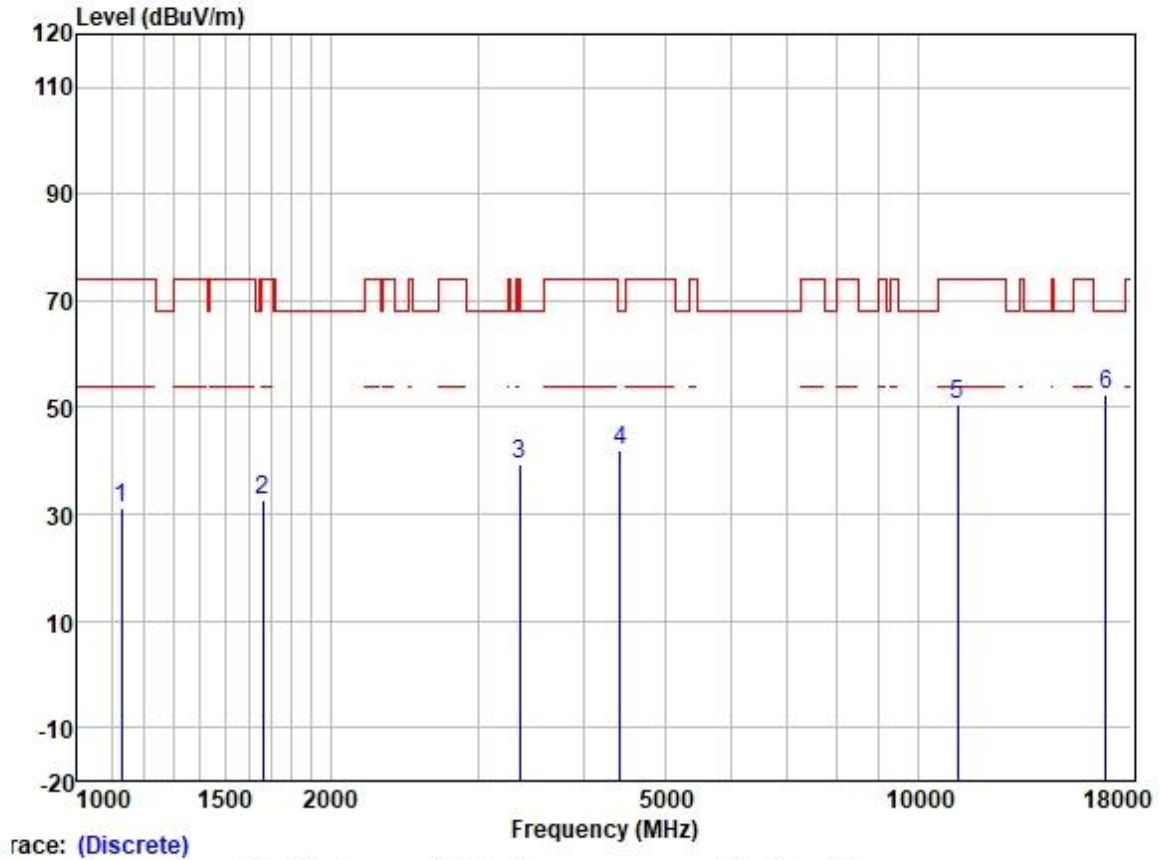
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1220.714	42.23	24.82	2.32	38.37	31.00	74.00	-43.00	HORIZONTAL	Peak
2	1677.621	41.57	25.68	2.80	37.91	32.14	74.00	-41.86	HORIZONTAL	Peak
3	3465.510	43.61	28.88	4.22	36.95	39.76	68.20	-28.44	HORIZONTAL	Peak
4	4341.886	43.61	30.57	4.67	36.81	42.04	74.00	-31.96	HORIZONTAL	Peak
5	11000.000	39.60	40.10	7.71	37.25	50.16	74.00	-23.84	HORIZONTAL	Peak
6	16500.000	38.91	39.60	9.44	35.38	52.57	68.20	-15.63	HORIZONTAL	Peak

Test Mode: 12; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



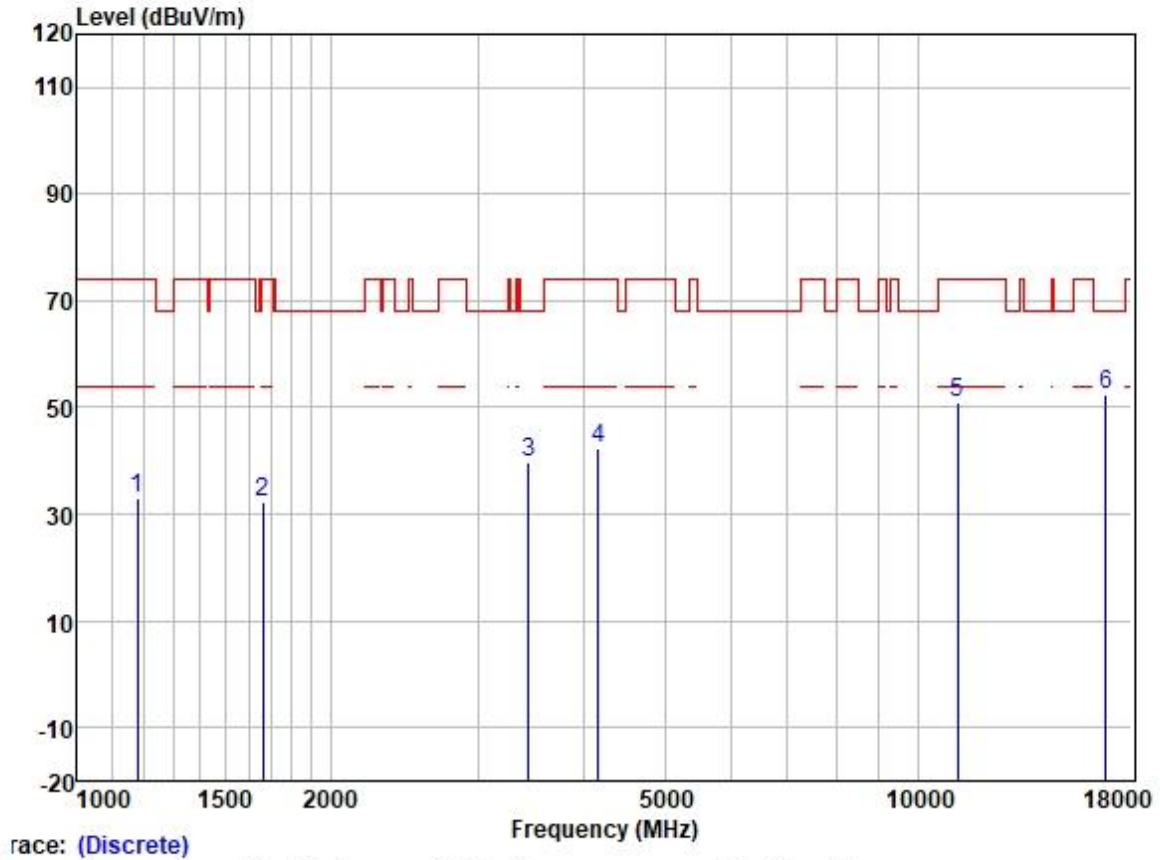
		Read	Antenna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1179.100	43.60	24.59	2.38	38.40	32.17	74.00	-41.83	VERTICAL	Peak
2	1663.137	43.49	25.65	2.80	37.91	34.03	74.00	-39.97	VERTICAL	Peak
3	3415.787	43.38	28.85	4.13	36.97	39.39	68.20	-28.81	VERTICAL	Peak
4	4443.453	42.63	30.73	4.83	36.81	41.38	68.20	-26.82	VERTICAL	Peak
5	11000.000	39.69	40.10	7.71	37.25	50.25	74.00	-23.75	VERTICAL	Peak
6	16500.000	39.10	39.60	9.44	35.38	52.76	68.20	-15.44	VERTICAL	Peak

Test Mode: 12; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



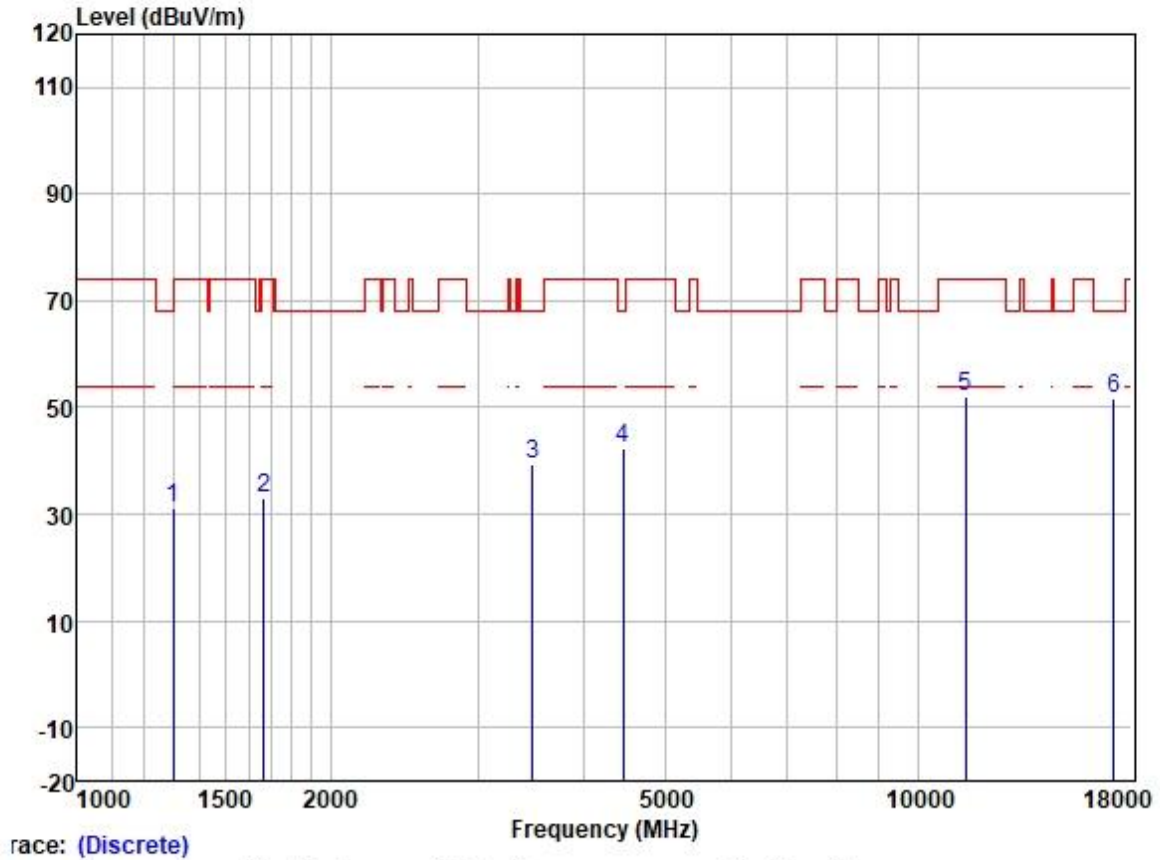
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1129.072	43.06	24.43	2.20	38.43	31.26	74.00	-42.74	HORIZONTAL	Peak
2	1663.137	42.15	25.65	2.80	37.91	32.69	74.00	-41.31	HORIZONTAL	Peak
3	3357.061	43.58	28.81	4.09	37.01	39.47	74.00	-34.53	HORIZONTAL	Peak
4	4430.628	43.36	30.72	4.78	36.81	42.05	68.20	-26.15	HORIZONTAL	Peak
5	11160.000	39.90	40.04	7.90	37.21	50.63	74.00	-23.37	HORIZONTAL	Peak
6	16740.000	37.97	40.49	9.41	35.37	52.50	68.20	-15.70	HORIZONTAL	Peak

Test Mode: 12; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1179.100	44.36	24.59	2.38	38.40	32.93	74.00	-41.07	VERTICAL	Peak
2	1663.137	41.86	25.65	2.80	37.91	32.40	74.00	-41.60	VERTICAL	Peak
3	3445.535	43.53	28.87	4.18	36.96	39.62	68.20	-28.58	VERTICAL	Peak
4	4169.698	44.62	30.09	4.60	36.80	42.51	74.00	-31.49	VERTICAL	Peak
5	11160.000	40.21	40.04	7.90	37.21	50.94	74.00	-23.06	VERTICAL	Peak
6	16740.000	37.77	40.49	9.41	35.37	52.30	68.20	-15.90	VERTICAL	Peak

Test Mode: 12; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

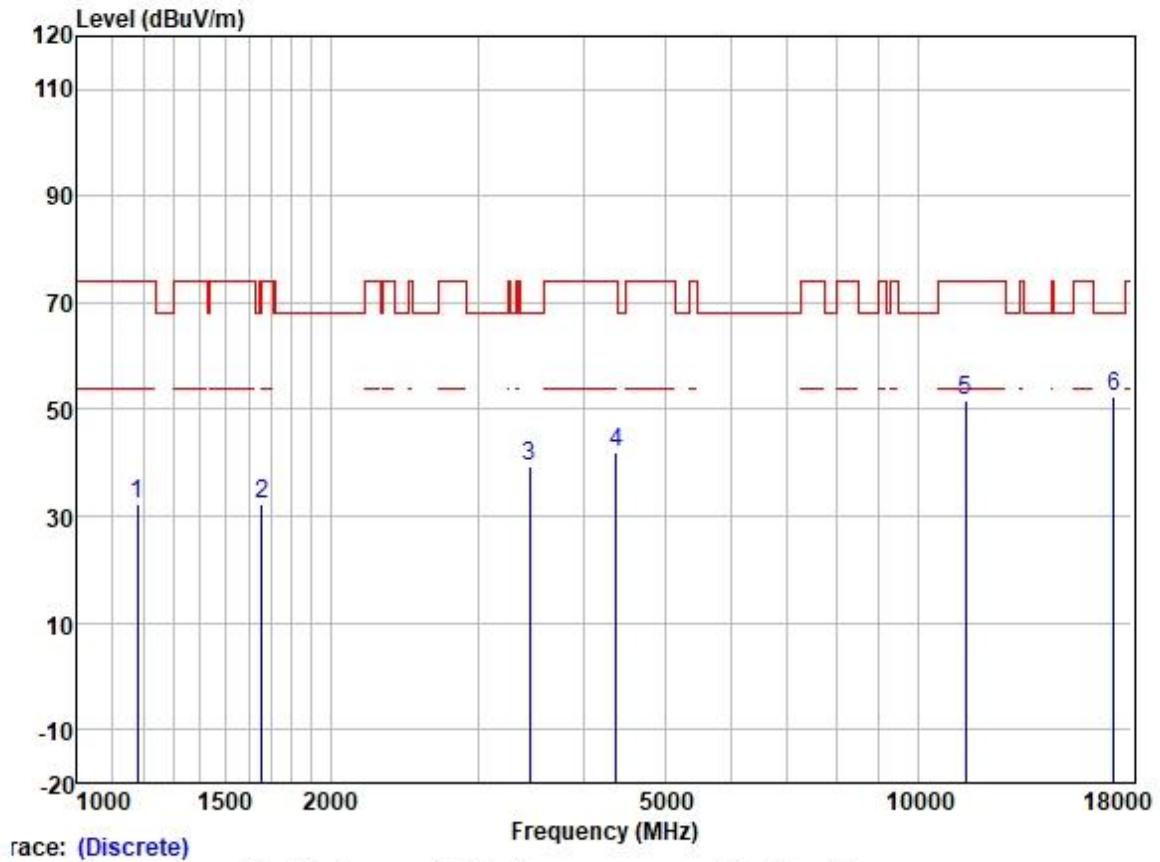
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1300.858	41.76	25.20	2.60	38.31	31.25	74.00	-42.75	HORIZONTAL	Peak
2	1667.951	42.39	25.66	2.80	37.91	32.94	74.00	-41.06	HORIZONTAL	Peak
3	3485.601	43.16	28.89	4.27	36.95	39.37	68.20	-28.83	HORIZONTAL	Peak
4	4456.315	43.59	30.75	4.88	36.81	42.41	68.20	-25.79	HORIZONTAL	Peak
5	11400.000	40.86	39.94	8.28	37.16	51.92	74.00	-22.08	HORIZONTAL	Peak
6	17100.000	35.25	42.32	9.63	35.34	51.86	68.20	-16.34	HORIZONTAL	Peak



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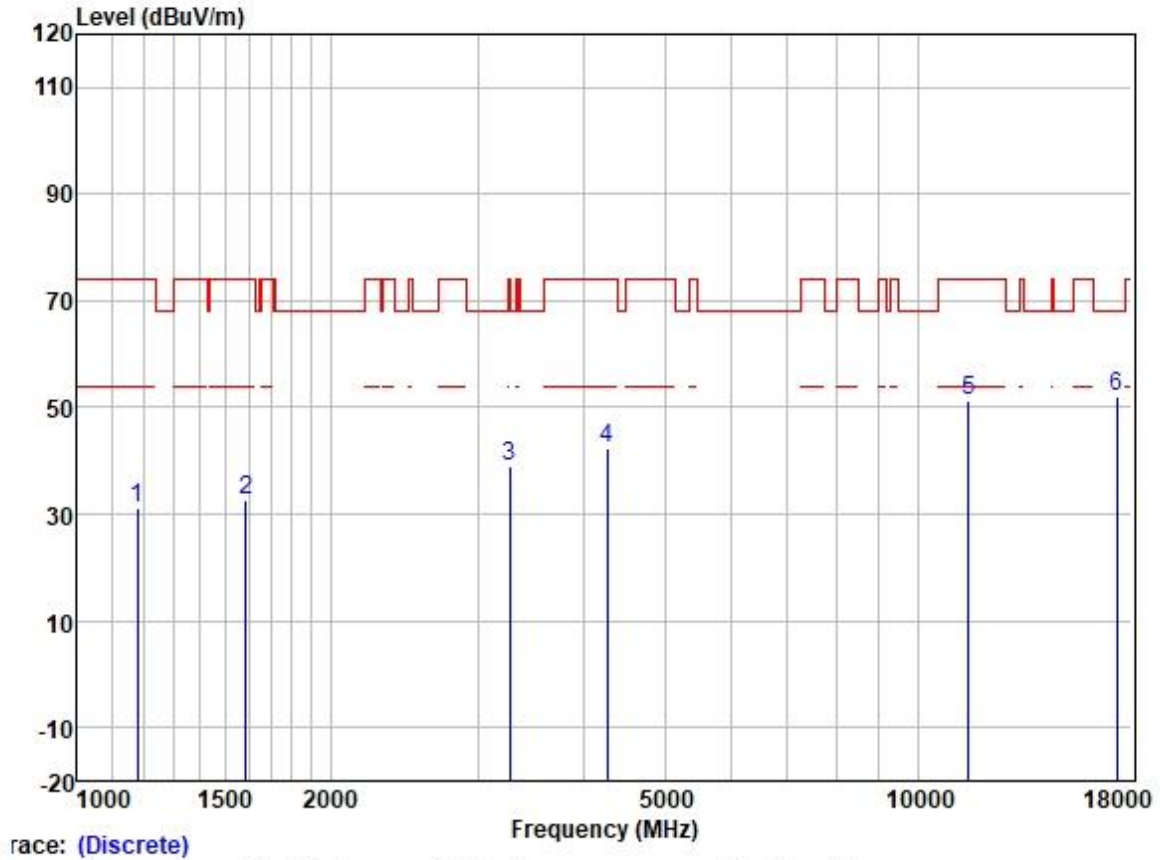
Test Mode: 12; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

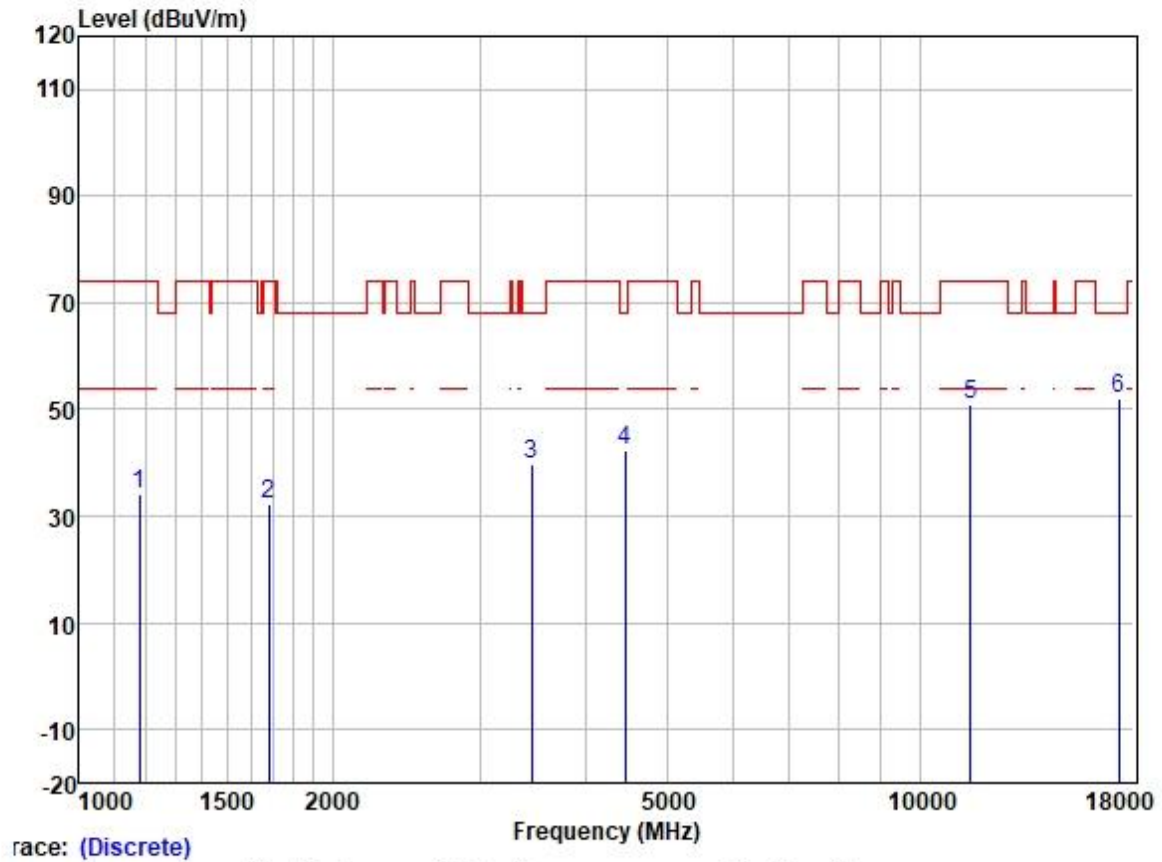
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1179.100	43.59	24.59	2.38	38.40	32.16	74.00	-41.84	VERTICAL	Peak
2	1658.337	41.74	25.65	2.80	37.93	32.26	68.20	-35.94	VERTICAL	Peak
3	3455.508	43.19	28.88	4.20	36.96	39.31	68.20	-28.89	VERTICAL	Peak
4	4379.699	43.38	30.64	4.69	36.81	41.90	74.00	-32.10	VERTICAL	Peak
5	11400.000	40.64	39.94	8.28	37.16	51.70	74.00	-22.30	VERTICAL	Peak
6	17100.000	35.89	42.32	9.63	35.34	52.50	68.20	-15.70	VERTICAL	Peak

Test Mode: 13; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1179.100	42.48	24.59	2.38	38.40	31.05	74.00	-42.95	HORIZONTAL	Peak
2	1587.975	42.30	25.57	2.80	37.98	32.69	74.00	-41.31	HORIZONTAL	Peak
3	3270.858	43.45	28.71	4.04	37.04	39.16	68.20	-29.04	HORIZONTAL	Peak
4	4267.237	44.23	30.38	4.63	36.81	42.43	74.00	-31.57	HORIZONTAL	Peak
5	11490.000	40.01	39.90	8.41	37.15	51.17	74.00	-22.83	HORIZONTAL	Peak
6	17235.000	34.18	43.01	10.08	35.33	51.94	68.20	-16.26	HORIZONTAL	Peak

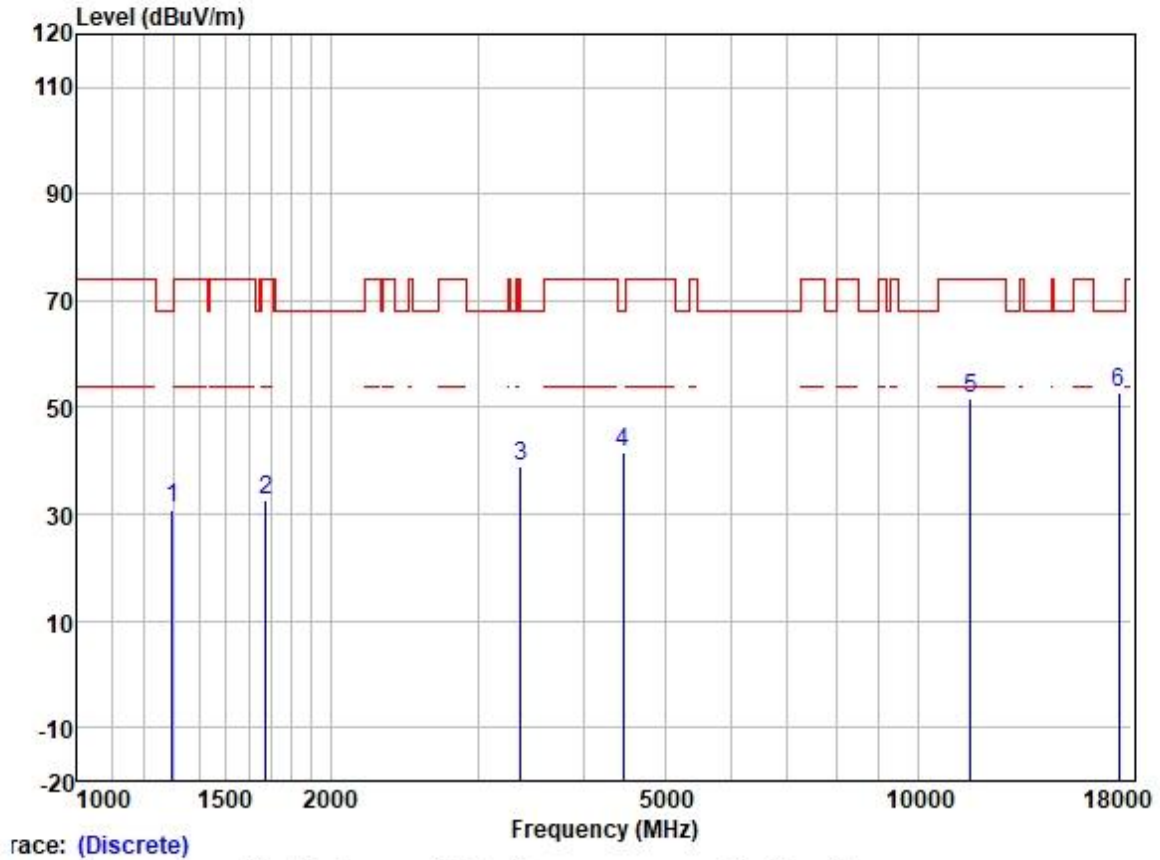
Test Mode: 13; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

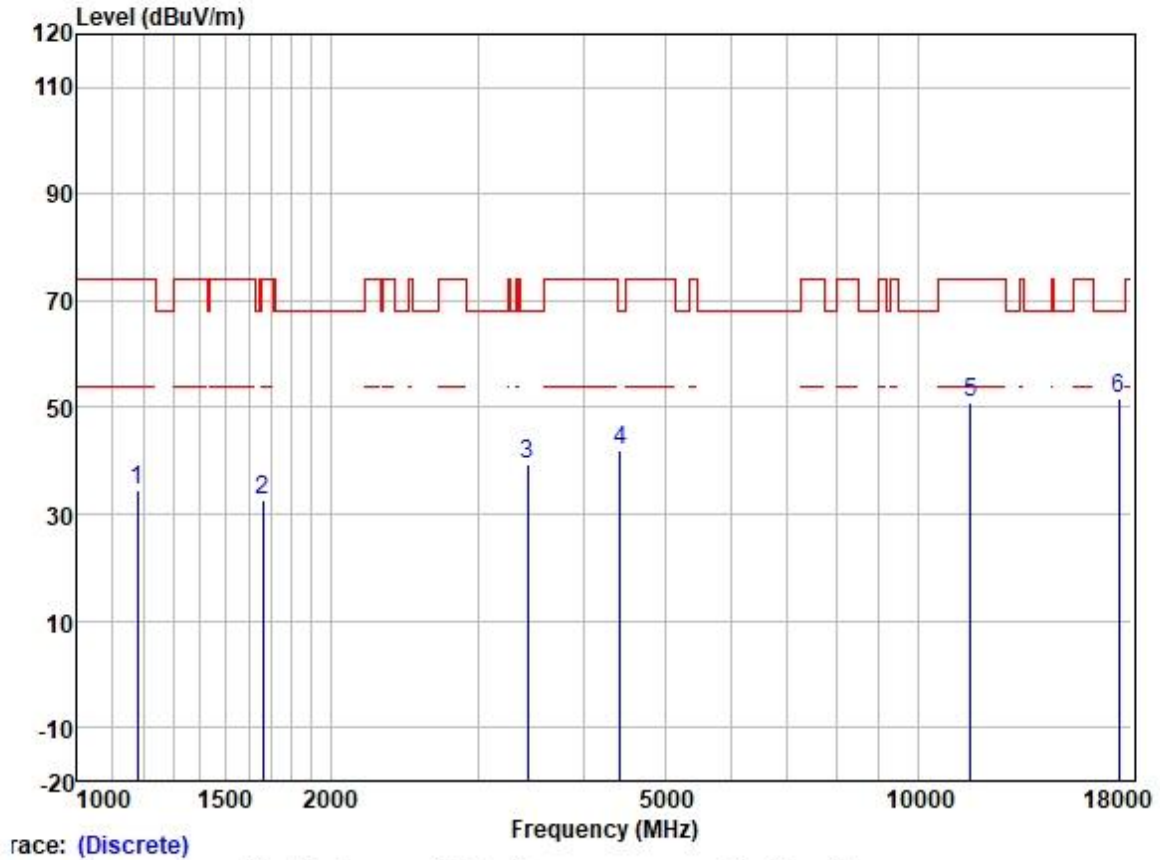
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1179.100	45.64	24.59	2.38	38.40	34.21	74.00	-39.79	VERTICAL	Peak
2	1682.477	41.84	25.68	2.80	37.91	32.41	74.00	-41.59	VERTICAL	Peak
3	3455.508	43.45	28.88	4.20	36.96	39.57	68.20	-28.63	VERTICAL	Peak
4	4456.315	43.60	30.75	4.88	36.81	42.42	68.20	-25.78	VERTICAL	Peak
5	11490.000	39.74	39.90	8.41	37.15	50.90	74.00	-23.10	VERTICAL	Peak
6	17235.000	34.15	43.01	10.08	35.33	51.91	68.20	-16.29	VERTICAL	Peak

Test Mode: 13; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



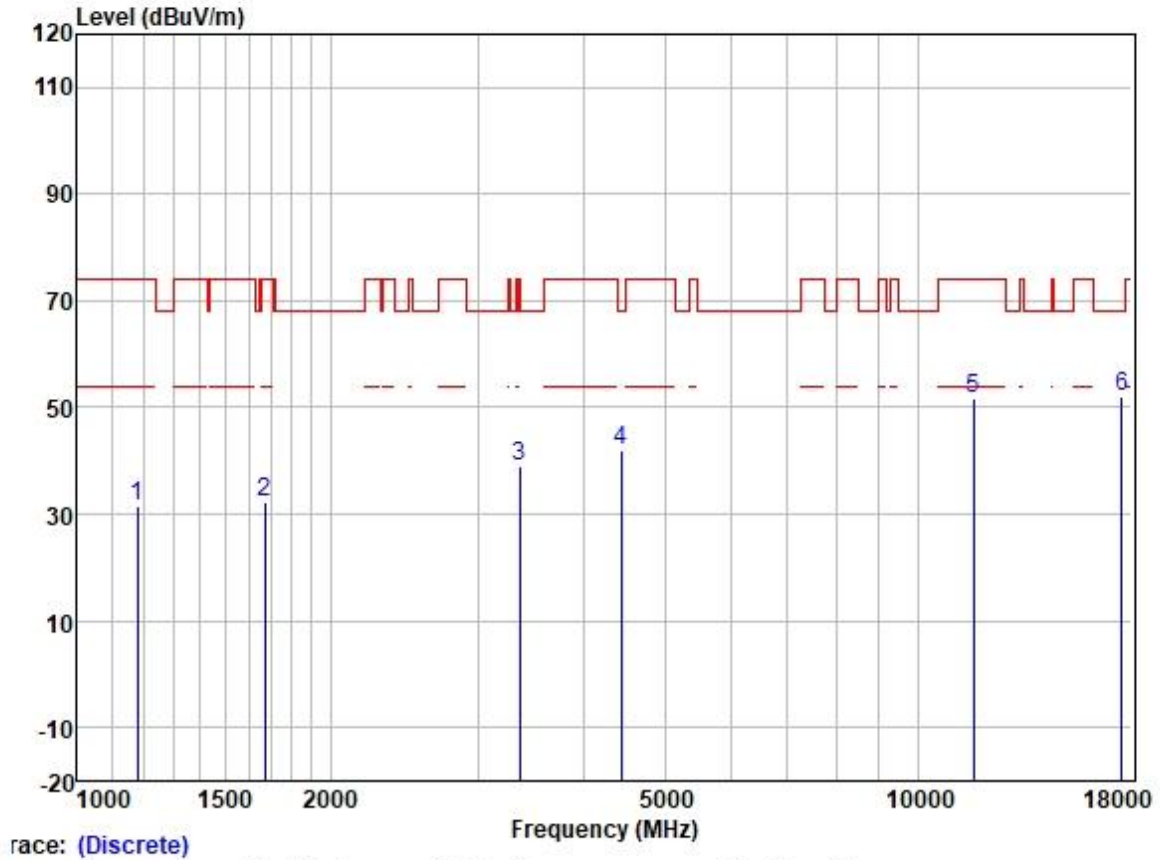
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1297.103	41.50	25.19	2.58	38.31	30.96	68.20	-37.24	HORIZONTAL	Peak
2	1677.621	42.21	25.68	2.80	37.91	32.78	74.00	-41.22	HORIZONTAL	Peak
3	3366.778	43.02	28.82	4.09	36.99	38.94	68.20	-29.26	HORIZONTAL	Peak
4	4456.315	42.82	30.75	4.88	36.81	41.64	68.20	-26.56	HORIZONTAL	Peak
5	11570.000	40.66	39.78	8.38	37.14	51.68	74.00	-22.32	HORIZONTAL	Peak
6	17355.000	34.26	43.40	10.39	35.32	52.73	68.20	-15.47	HORIZONTAL	Peak

Test Mode: 13; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



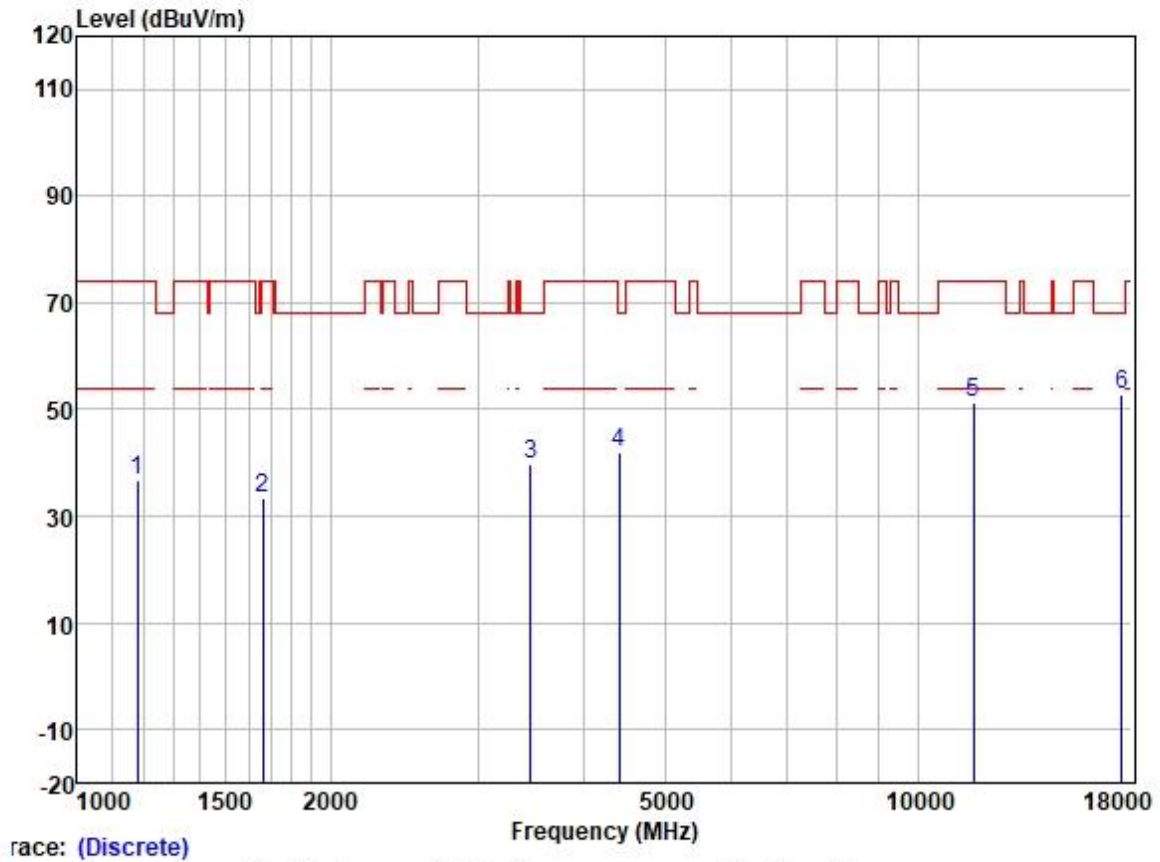
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1179.100	45.79	24.59	2.38	38.40	34.36	74.00	-39.64	VERTICAL	Peak
2	1663.137	42.26	25.65	2.80	37.91	32.80	74.00	-41.20	VERTICAL	Peak
3	3435.590	43.40	28.87	4.16	36.97	39.46	68.20	-28.74	VERTICAL	Peak
4	4430.628	43.26	30.72	4.78	36.81	41.95	68.20	-26.25	VERTICAL	Peak
5	11570.000	40.03	39.78	8.38	37.14	51.05	74.00	-22.95	VERTICAL	Peak
6	17355.000	33.35	43.40	10.39	35.32	51.82	68.20	-16.38	VERTICAL	Peak

Test Mode: 13; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



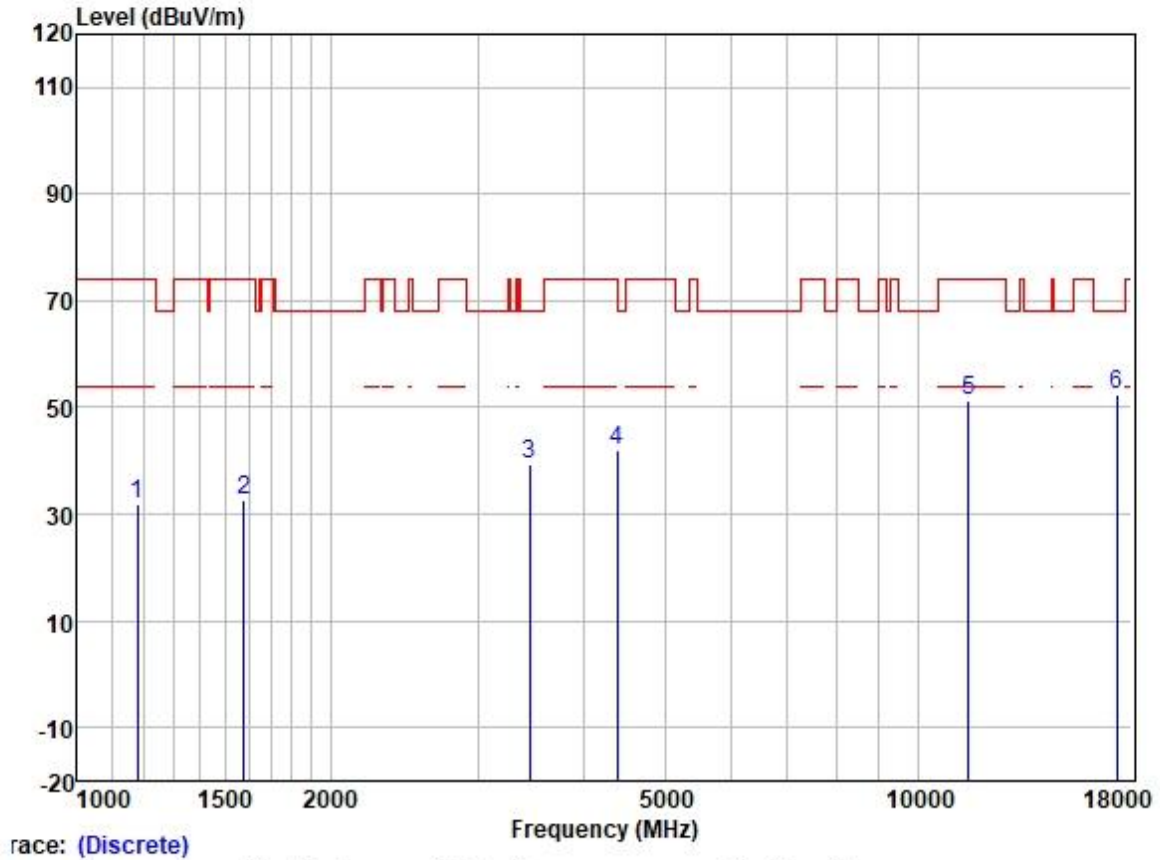
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1179.100	42.79	24.59	2.38	38.40	31.36	74.00	-42.64	HORIZONTAL	Peak
2	1672.779	41.52	25.67	2.80	37.91	32.08	74.00	-41.92	HORIZONTAL	Peak
3	3357.061	43.28	28.81	4.09	37.01	39.17	74.00	-34.83	HORIZONTAL	Peak
4	4443.453	43.04	30.73	4.83	36.81	41.79	68.20	-26.41	HORIZONTAL	Peak
5	11650.000	40.89	39.65	8.35	37.13	51.76	74.00	-22.24	HORIZONTAL	Peak
6	17475.000	32.68	43.90	10.77	35.32	52.03	68.20	-16.17	HORIZONTAL	Peak

Test Mode: 13; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



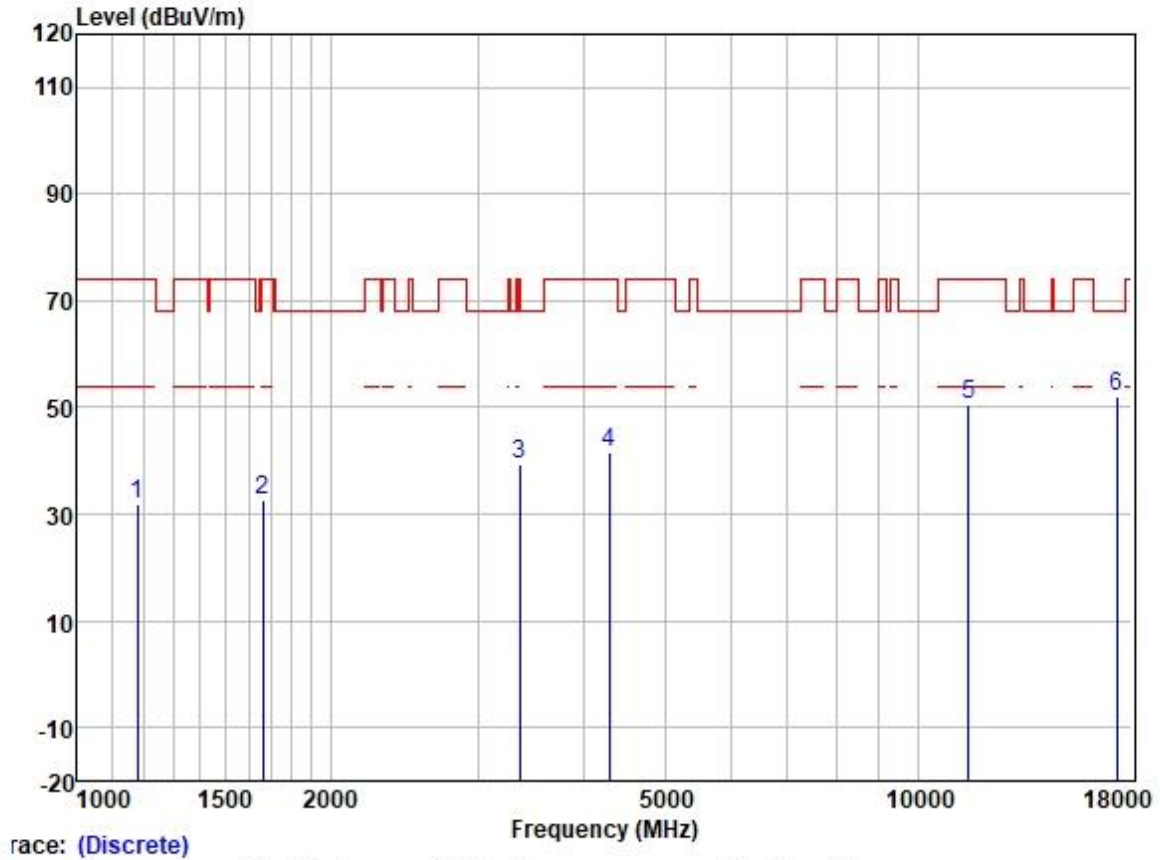
		Read	Antenna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1179.100	48.09	24.59	2.38	38.40	36.66	74.00	-37.34	VERTICAL	Peak
2	1663.137	42.99	25.65	2.80	37.91	33.53	74.00	-40.47	VERTICAL	Peak
3	3465.510	43.51	28.88	4.22	36.95	39.66	68.20	-28.54	VERTICAL	Peak
4	4417.841	43.51	30.70	4.74	36.81	42.14	68.20	-26.06	VERTICAL	Peak
5	11650.000	40.56	39.65	8.35	37.13	51.43	74.00	-22.57	VERTICAL	Peak
6	17475.000	33.39	43.90	10.77	35.32	52.74	68.20	-15.46	VERTICAL	Peak

Test Mode: 13; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



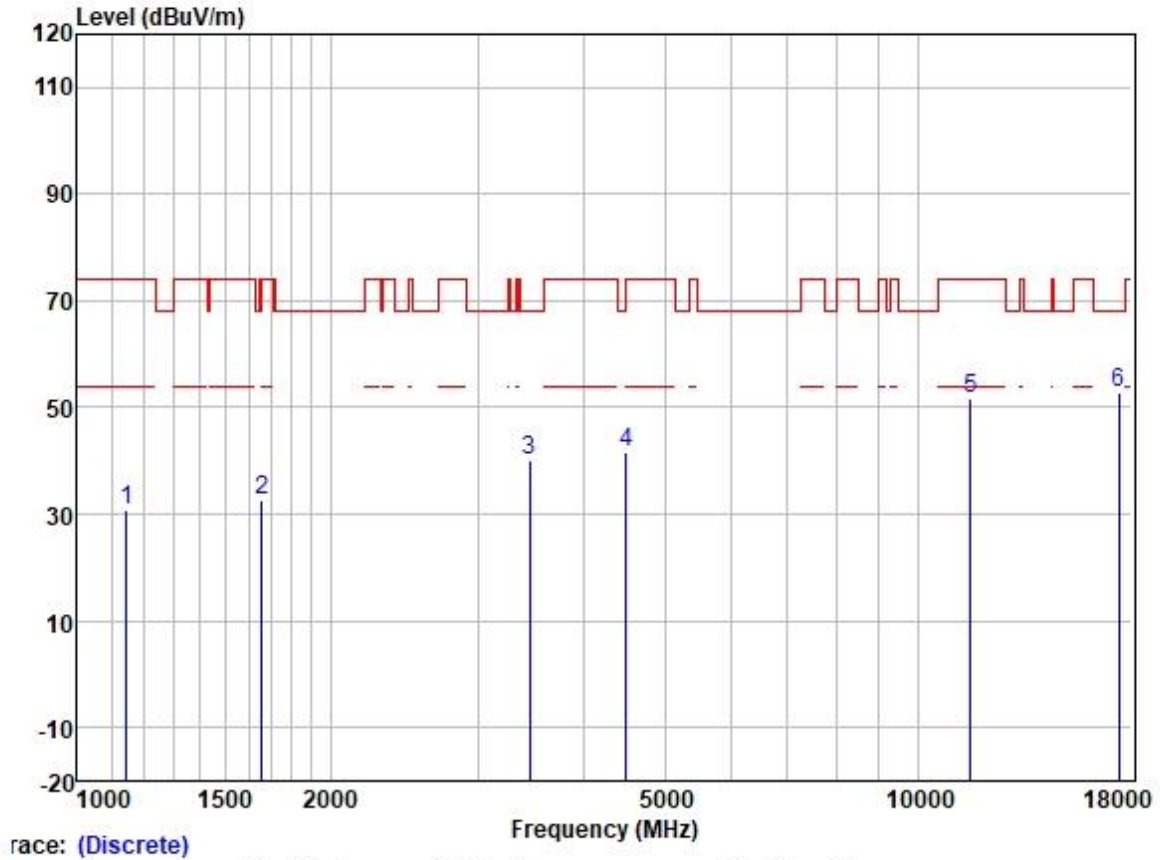
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1179.100	43.50	24.59	2.38	38.40	32.07	74.00	-41.93	HORIZONTAL	Peak
2	1578.822	42.18	25.56	2.80	38.00	32.54	74.00	-41.46	HORIZONTAL	Peak
3	3455.508	43.10	28.88	4.20	36.96	39.22	68.20	-28.98	HORIZONTAL	Peak
4	4392.376	43.30	30.66	4.70	36.81	41.85	74.00	-32.15	HORIZONTAL	Peak
5	11490.000	40.00	39.90	8.41	37.15	51.16	74.00	-22.84	HORIZONTAL	Peak
6	17235.000	34.83	43.01	10.08	35.33	52.59	68.20	-15.61	HORIZONTAL	Peak

Test Mode: 13; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



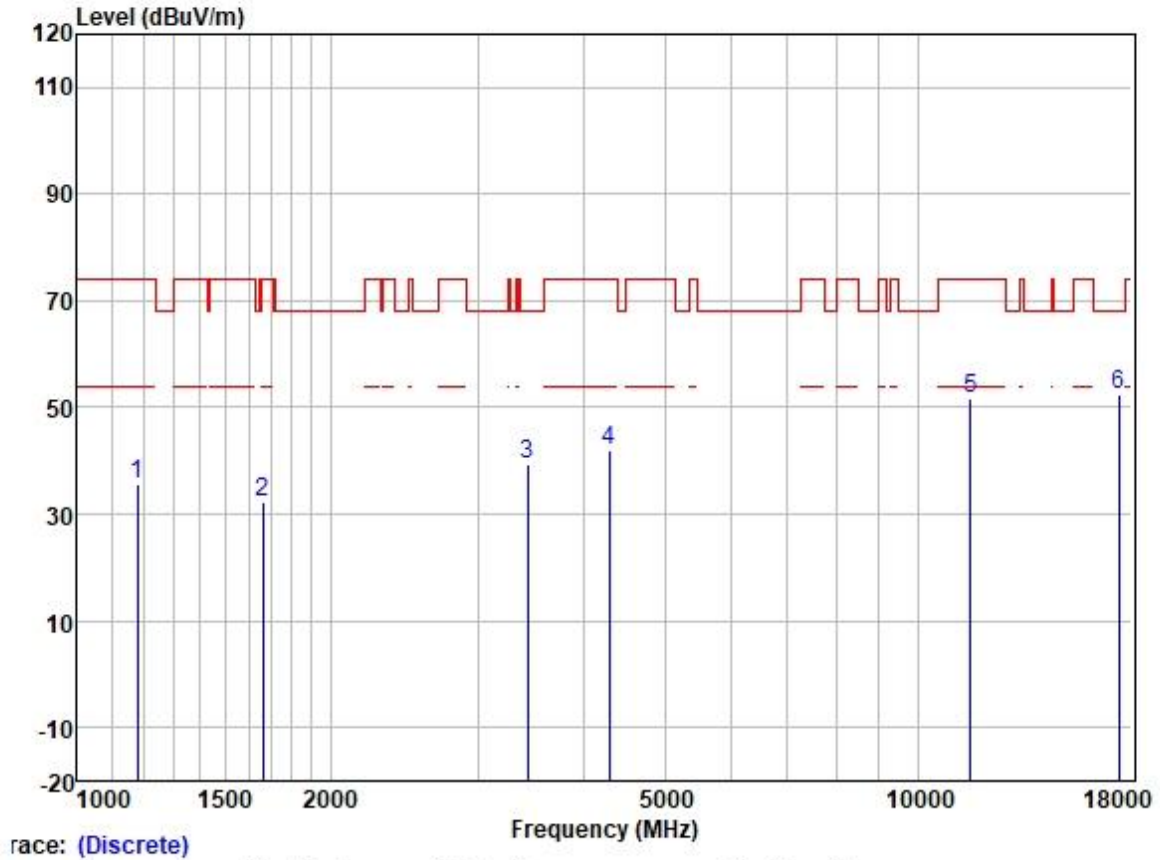
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1179.100	43.25	24.59	2.38	38.40	31.82	74.00	-42.18	VERTICAL	Peak
2	1663.137	41.97	25.65	2.80	37.91	32.51	74.00	-41.49	VERTICAL	Peak
3	3357.061	43.59	28.81	4.09	37.01	39.48	74.00	-34.52	VERTICAL	Peak
4	4291.977	43.45	30.45	4.64	36.81	41.73	74.00	-32.27	VERTICAL	Peak
5	11490.000	39.36	39.90	8.41	37.15	50.52	74.00	-23.48	VERTICAL	Peak
6	17235.000	34.40	43.01	10.08	35.33	52.16	68.20	-16.04	VERTICAL	Peak

Test Mode: 13; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1145.507	42.40	24.48	2.32	38.42	30.78	74.00	-43.22	HORIZONTAL	Peak
2	1658.337	42.07	25.65	2.80	37.93	32.59	68.20	-35.61	HORIZONTAL	Peak
3	3455.508	44.15	28.88	4.20	36.96	40.27	68.20	-27.93	HORIZONTAL	Peak
4	4495.125	42.49	30.80	5.05	36.82	41.52	68.20	-26.68	HORIZONTAL	Peak
5	11570.000	40.48	39.78	8.38	37.14	51.50	74.00	-22.50	HORIZONTAL	Peak
6	17355.000	34.50	43.40	10.39	35.32	52.97	68.20	-15.23	HORIZONTAL	Peak

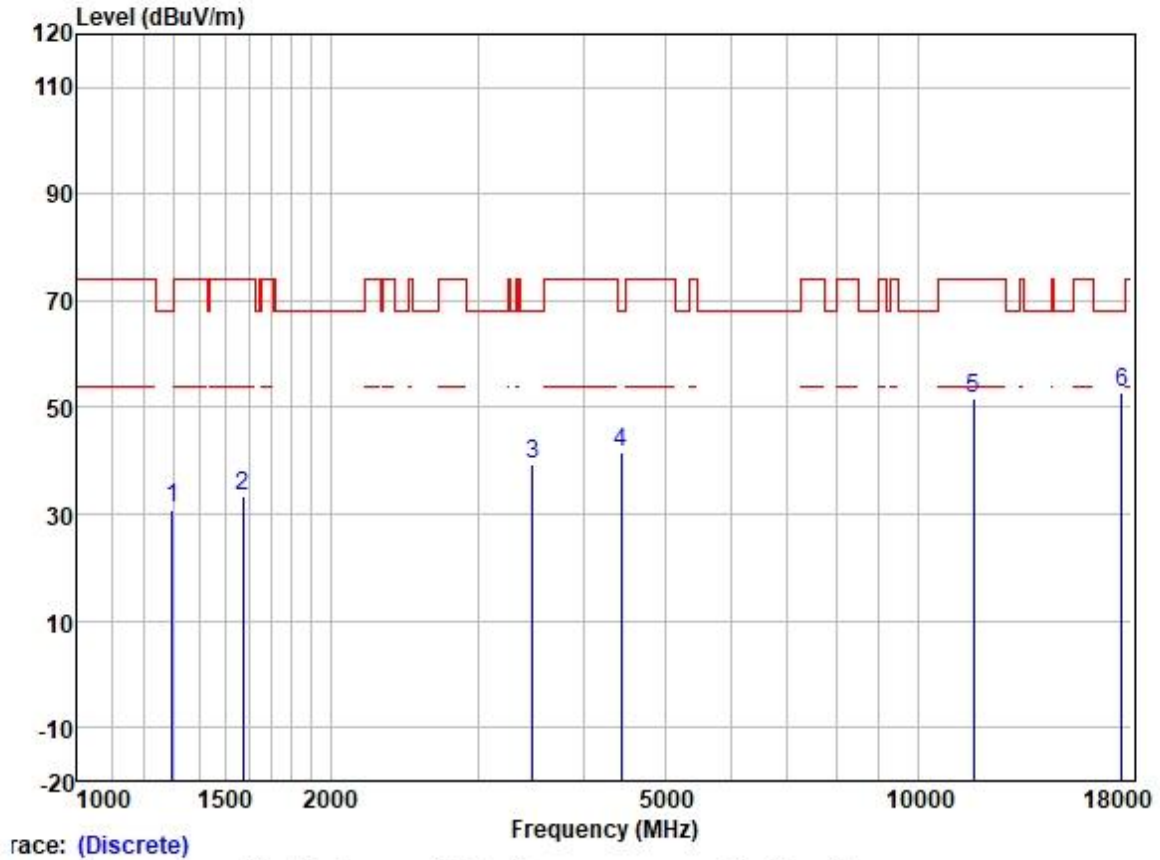
Test Mode: 13; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Trace: (Discrete)

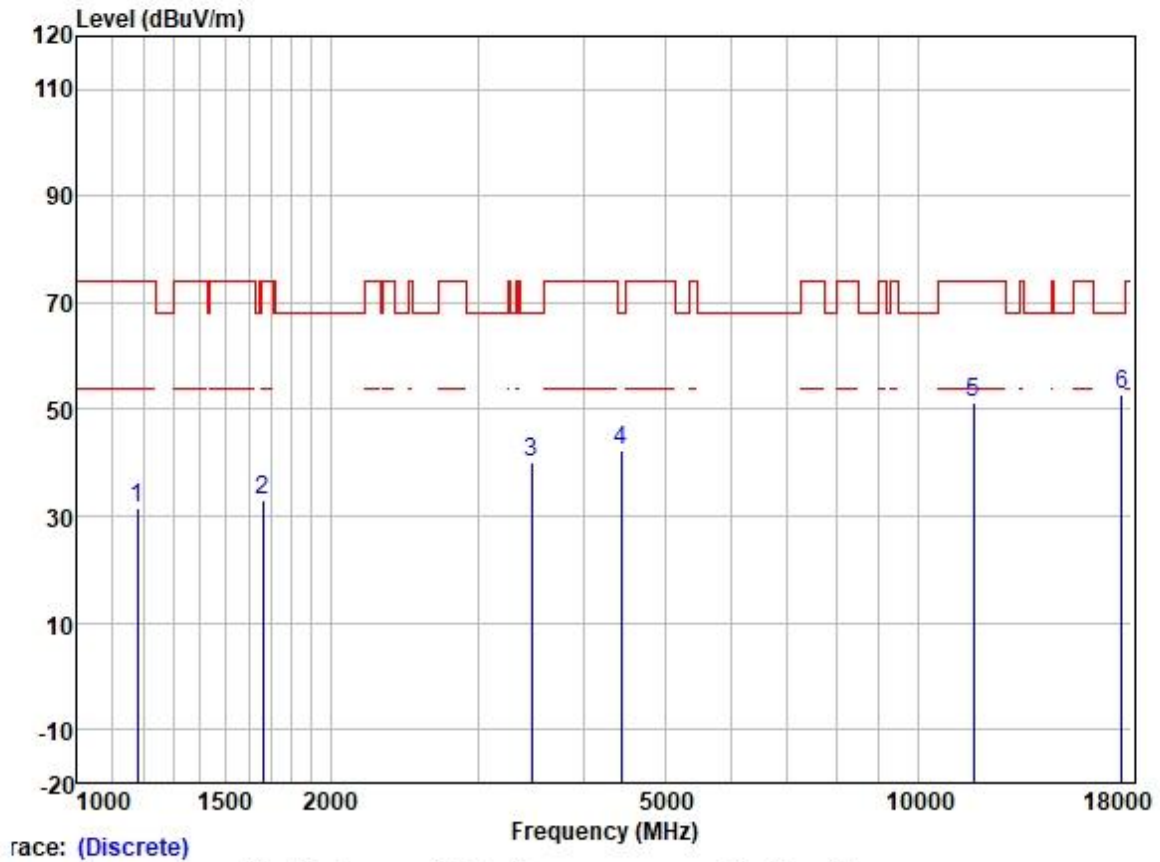
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1179.100	47.06	24.59	2.38	38.40	35.63	74.00	-38.37	VERTICAL	Peak
2	1663.137	41.91	25.65	2.80	37.91	32.45	74.00	-41.55	VERTICAL	Peak
3	3435.590	43.45	28.87	4.16	36.97	39.51	68.20	-28.69	VERTICAL	Peak
4	4291.977	43.83	30.45	4.64	36.81	42.11	74.00	-31.89	VERTICAL	Peak
5	11570.000	40.80	39.78	8.38	37.14	51.82	74.00	-22.18	VERTICAL	Peak
6	17355.000	34.13	43.40	10.39	35.32	52.60	68.20	-15.60	VERTICAL	Peak

Test Mode: 13; Polarity: Horizontal; Modulation:802.11n; 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	1297.103	41.50	25.19	2.58	38.31	30.96	68.20	-37.24	HORIZONTAL	Peak
2	1574.265	43.04	25.56	2.80	38.00	33.40	74.00	-40.60	HORIZONTAL	Peak
3	3485.601	43.25	28.89	4.27	36.95	39.46	68.20	-28.74	HORIZONTAL	Peak
4	4443.453	43.01	30.73	4.83	36.81	41.76	68.20	-26.44	HORIZONTAL	Peak
5	11650.000	40.91	39.65	8.35	37.13	51.78	74.00	-22.22	HORIZONTAL	Peak
6	17475.000	33.62	43.90	10.77	35.32	52.97	68.20	-15.23	HORIZONTAL	Peak

Test Mode: 13; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



		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	1179.100	43.01	24.59	2.38	38.40	31.58	74.00	-42.42	VERTICAL	Peak
2	1663.137	42.60	25.65	2.80	37.91	33.14	74.00	-40.86	VERTICAL	Peak
3	3475.541	43.87	28.89	4.25	36.95	40.06	68.20	-28.14	VERTICAL	Peak
4	4443.453	43.57	30.73	4.83	36.81	42.32	68.20	-25.88	VERTICAL	Peak
5	11650.000	40.60	39.65	8.35	37.13	51.47	74.00	-22.53	VERTICAL	Peak
6	17475.000	33.38	43.90	10.77	35.32	52.73	68.20	-15.47	VERTICAL	Peak

8 Test Setup Photo

Refer to Appendix - Test Setup Photos for GZCR2209001154AT

9 EUT Constructional Details (EUT Photos)

Refer to Appendix – External and Internal Photos for GZCR2209001154AT

- End of the Report -