



TEST REPORT

Application No.: GZCR2112021517AT
Applicant: YEALINK (XIAMEN) NETWORK TECHNOLOGY CO., LTD.
Address of Applicant: 309, 3rd Floor, No.16, Yun Ding North Road, Huli District, Xiamen City, Fujian, China
Manufacturer: YEALINK (XIAMEN) NETWORK TECHNOLOGY CO., LTD.
Address of Manufacturer: 309, 3rd Floor, No.16, Yun Ding North Road, Huli District, Xiamen City, Fujian, China
Factory: YEALINK(XIAMEN) NETWORK TECHNOLOGY CO.,LTD.
Address of Factory: 5th -6th Floor, No.15 building, Golden Industrial Park, No.120 Hong Tang, Tong'an District, Xiamen City, Fujian, P.R. China
Equipment Under Test (EUT):
EUT Name: HD IP Conference Phone
Model No.: CP925
Trade Mark: YEALINK
Standard(s) : 47 CFR Part 15, Subpart E 15.407
Date of Receipt: 2021-12-15
Date of Test: 2022-03-11 to 2022-06-20
Date of Issue: 2022-06-27

Test Result:

Pass*

* In the configuration tested, the EUT complied with the standards specified above.

Kobe Jian

Kobe Jian
EMC Laboratory Manager



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/terms-and-conditions/terms-e-document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
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
SGS-CSTC Standards Technical Services Co., Ltd. No.198 Kexu Road, Solentech Park, Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075058 www.sgsgroup.com.cn
Guangzhou Branch EMC Laboratory 中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com

Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2022-06-27		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:

This report is prepared for FCC class II permissive change.

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

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, same 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.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

3 Contents

	Page
1 Cover Page	1
2 Test Summary	3
3 Contents	4
4 General Information	6
4.1 Details of E.U.T.	6
4.2 Description of Support Units	6
4.3 Measurement Uncertainty	6
4.4 Test Location	7
4.5 Test Facility	7
4.6 Deviation from Standards	8
4.7 Abnormalities from Standard Conditions	8
5 Equipment List	9
6 Radio Spectrum Technical Requirement	11
6.1 Antenna Requirement	11
6.1.1 Test Requirement:	11
6.1.2 Conclusion	11
6.2 Transmission in the Absence of Data	12
6.2.1 Test Requirement:	12
6.2.2 Conclusion	12
7 Radio Spectrum Matter Test Results	13
7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)	13
7.1.1 E.U.T. Operation	13
7.1.2 Test Mode Description	13
7.1.3 Test Setup Diagram	14
7.1.4 Measurement Procedure and Data	15
7.2 Radiated Emissions which fall in the restricted bands	18
7.2.1 E.U.T. Operation	19
7.2.2 Test Mode Description	19
7.2.3 Test Setup Diagram	20
7.2.4 Measurement Procedure and Data	20
7.3 Radiated Emissions (below 1GHz)	53
7.3.1 E.U.T. Operation	54
7.3.2 Test Mode Description	54
7.3.3 Test Setup Diagram	55
7.3.4 Measurement Procedure and Data	55
7.4 Radiated Emissions (above 1GHz)	58
7.4.1 E.U.T. Operation	59
7.4.2 Test Mode Description	59
7.4.3 Test Setup Diagram	60
7.4.4 Measurement Procedure and Data	61
8 Test Setup Photo	110



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

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

4 General Information

4.1 Details of E.U.T.

Power supply:	Powered by adapter Adapter No.: YLPS121250C1-3C Input: AC100-240V; 50/60Hz; 0.5A Output: DC12.0V 1.25A Power by PoE:DC48V 0.27A
Cable(s):	DC cable: 250 cm unshielded Ethernet cable: 750cm unshielded
Operation Frequency (20MHz):	U-NII-1: 5180-5240MHz; 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:	PCB Antenna
Antenna Gain:	3dBi declared by applicant

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
PoE adapter	supplied by SGS	DC48V	REF. No.SEA32A00

4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at AC Power Line (150kHz-30MHz)	±3.12dB
Radiated Emissions which fall in the restricted bands	±5.08dB (1GHz-6GHz);±5.14dB(above 6GHz)
Radiated Emissions (below 1GHz)	±5.06dB (3m); ±4.46dB (10m)
Radiated Emissions (above 1GHz)	±5.08dB (1GHz-6GHz);±5.14dB(above 6GHz)

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.

- **CNAS (Lab Code: L0167)**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been assessed and in compliance with CNAS-CL01:2018 accreditation criteria for testing laboratories (identical to ISO/IEC 17025:2017 General Requirements) for the Competence of Testing Laboratories.

- **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.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None

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	2021-09-24	2022-09-23
Coaxial Cable	HangTianXing	2m	EMC0107	2020-09-09	2022-09-08
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	2020-09-09	2022-09-08
Horn Antenna(1GHz-18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120D	EMC2026	2019-09-25	2022-09-24
1GHz-26.5 GHz Pre-Amplifier	Agilent	8449B	EMC0521	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
EXA Signal Analyzer(10Hz-44GHz)	Keysight	N9010A	EMC2138	2021-09-16	2022-09-15
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A
Notch Filter (5150-5880)	Mico-Tronics	BRM50716	EMC2168	2021-07-29	2022-07-28
Horn Antenna(14-40GHz)	SCHWARZBECK	BBHA 9170	EMC2041	2020-06-28	2023-06-27
Microwave Broadband Preamplifier (18-40GHz)	SCHWARZBECK	BBV 9721	EMC2172	2021-08-30	2022-08-29



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

Radiated Emissions (below 1GHz)					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Chamber cable	HangTianXing	N/A	EMC0542	2020-09-09	2022-09-08
Trilog Broadband Antenna(25MHz-1GHz)-Lab	SCHWARZBECK MESS-ELEKTRONIK	VULB 9168	SEM003-18	2019-08-08	2022-08-07
Amplifier(9kHz-1.3GHz)	HP	8447F	EMC2065	2022-05-16	2023-05-15
Active Loop Antenna-RED	ETS-Lindgren	6502	EMC2190	2022-04-06	2024-04-05
10m Semi-Anechoic Chamber	ETS	N/A	EMC0530	2019-10-20	2022-10-19
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A
EMI Test Receiver(10Hz-26.5GHz)	Rohde & Schwarz	ESIB26	EMC0522	2021-12-17	2022-12-16

Radiated Emissions (above 1GHz)					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Chamber cable(Above 1GHz)	Scoflex	KMKM-8.0m	EMC0545	2020-09-09	2022-09-08
Horn Antenna(1GHz-18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120D	EMC2026	2019-09-25	2022-09-24
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
EXA Signal Analyzer(10Hz-44GHz)	Keysight	N9010A	EMC2138	2021-09-16	2022-09-15
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A
Notch Filter (5150-5880)	Mico-Tronics	BRM50716	EMC2168	2021-07-29	2022-07-28
Horn Antenna(14-40GHz)	SCHWARZBECK	BBHA 9170	EMC2041	2020-06-28	2023-06-27
Microwave Broadband Preamplifier (18-40GHz)	SCHWARZBECK	BBV 9721	EMC2172	2021-08-30	2022-08-29

General used equipment					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DMM	Fluke	73	EMC0006	2021-07-05	2022-07-05
DMM	Fluke	73	EMC0007	2021-07-05	2022-07-05



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

SGS-CSTC Standards Technical Services Co., Ltd. No.198 Kazhu Road, Sciencetech Park, Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075058 www.sgs.com.cn
Guangzhou branch of SGS-CSTC Standards Technical Services Co., Ltd. EEC Laboratory. 中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com

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 3dBi.

Antenna location: Refer to internal photo.

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.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

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(dBμV)	
	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: 24.8 °C

Humidity: 52.1 % RH

Atmospheric Pressure: 1010 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	10	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types while EUT power supplied by adapter. 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	TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types while EUT power supplied by adapter.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	TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types while EUT power supplied by adapter.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	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types while EUT power supplied by adapter. 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	14	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types while EUT power supplied by PoE. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the

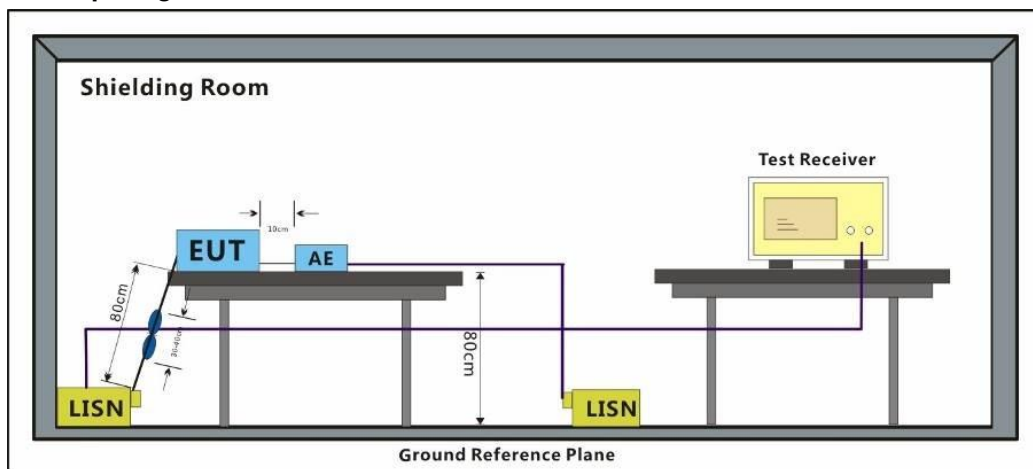


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

Pre-scan	15	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.
		TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types while EUT power supplied by PoE.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	16	TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types while EUT power supplied by PoE.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.
		TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types while EUT power supplied by PoE. 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	17	

7.1.3 Test Setup Diagram

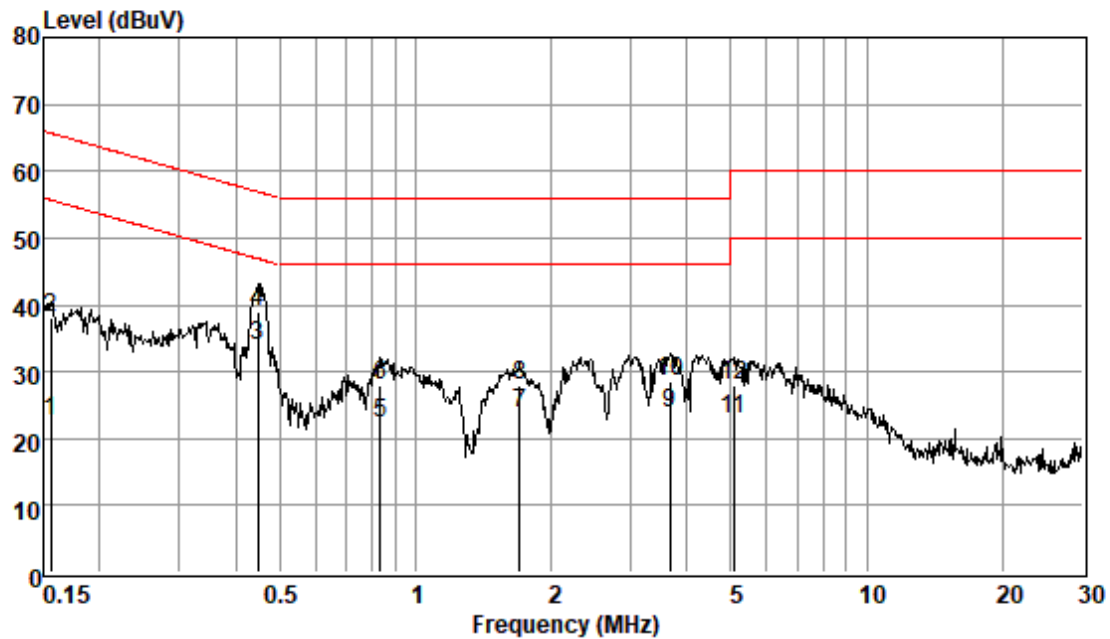


7.1.4 Measurement Procedure and Data

- 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.

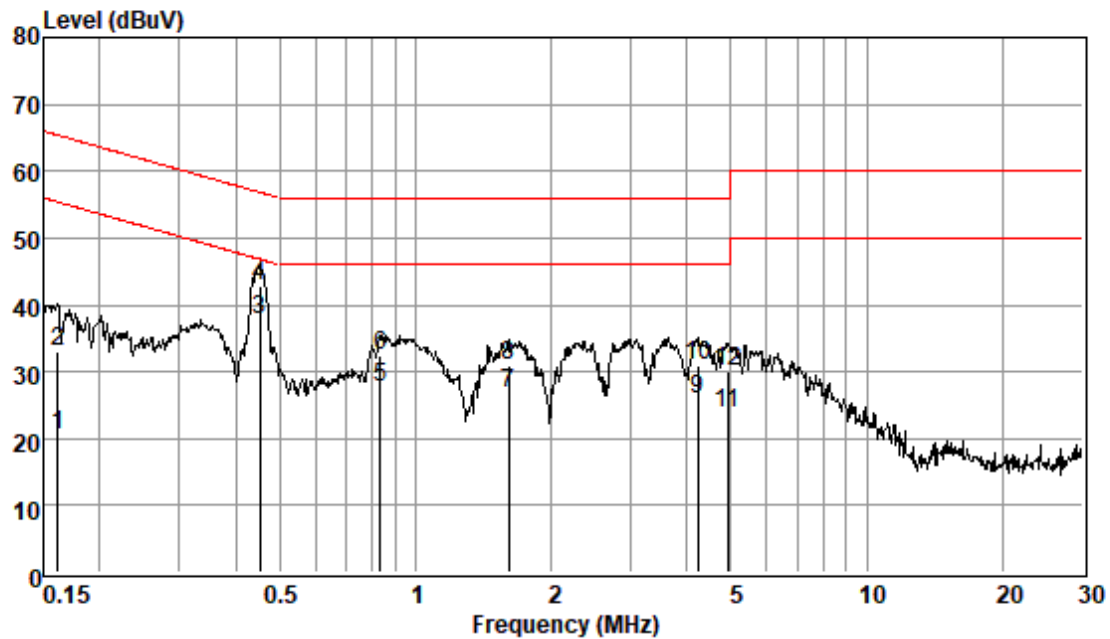
Remark: LISN=Read Level+ Cable Loss+ LISN Factor

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
0.16	12.78	0.06	9.62	22.46	55.69	-33.23	Average
0.16	28.52	0.06	9.62	38.20	65.69	-27.49	QP
0.45	24.20	0.06	9.62	33.88	46.93	-13.05	Average
0.45	29.38	0.06	9.62	39.06	56.93	-17.87	QP
0.83	12.54	0.07	9.63	22.24	46.00	-23.76	Average
0.83	18.38	0.07	9.63	28.08	56.00	-27.92	QP
1.70	13.94	0.11	9.61	23.66	46.00	-22.34	Average
1.70	18.37	0.11	9.61	28.09	56.00	-27.91	QP
3.66	14.16	0.16	9.62	23.94	46.00	-22.06	Average
3.66	18.89	0.16	9.62	28.67	56.00	-27.33	QP
5.06	13.18	0.18	9.66	23.02	50.00	-26.98	Average
5.06	18.20	0.18	9.66	28.04	60.00	-31.96	QP

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



Pol : NEUTRAL

Mode :

Model :

Frequency MHz	Read Level dBuV	Cable Loss dB	LISN Factor dB	Measured Level dBuV	Limit Line dBuV	Over Limit dB	Remark
0.16	10.79	0.06	9.55	20.40	55.38	-34.98	Average
0.16	23.26	0.06	9.55	32.87	65.38	-32.51	QP
0.45	28.29	0.06	9.55	37.90	46.85	-8.95	Average
0.45	33.33	0.06	9.55	42.94	56.85	-13.91	QP
0.83	17.91	0.07	9.55	27.53	46.00	-18.47	Average
0.83	22.90	0.07	9.55	32.52	56.00	-23.48	QP
1.61	17.04	0.10	9.55	26.69	46.00	-19.31	Average
1.61	21.42	0.10	9.55	31.07	56.00	-24.93	QP
4.22	16.16	0.17	9.56	25.89	46.00	-20.11	Average
4.22	21.13	0.17	9.56	30.86	56.00	-25.14	QP
4.93	13.95	0.18	9.56	23.69	46.00	-22.31	Average
4.93	20.29	0.18	9.56	30.03	56.00	-25.97	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:

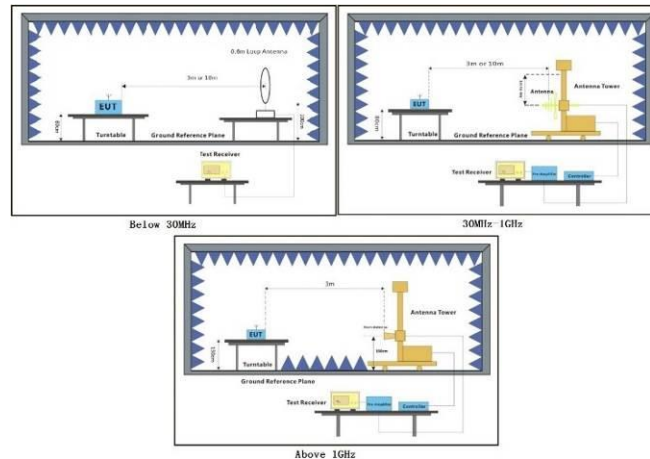
Temperature: 24.3 °C Humidity: 51.5 % RH Atmospheric Pressure: 1010 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	10	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types while EUT power supplied by adapter. 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	TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types while EUT power supplied by adapter. 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	TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types while EUT power supplied by adapter. 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	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types while EUT power supplied by adapter. 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	14	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types while EUT power supplied by PoE. 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	15	TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types while EUT power supplied by PoE. 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	16	TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types while EUT power supplied by PoE. 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	17	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types while EUT power supplied by PoE. 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.



7.2.3 Test Setup Diagram

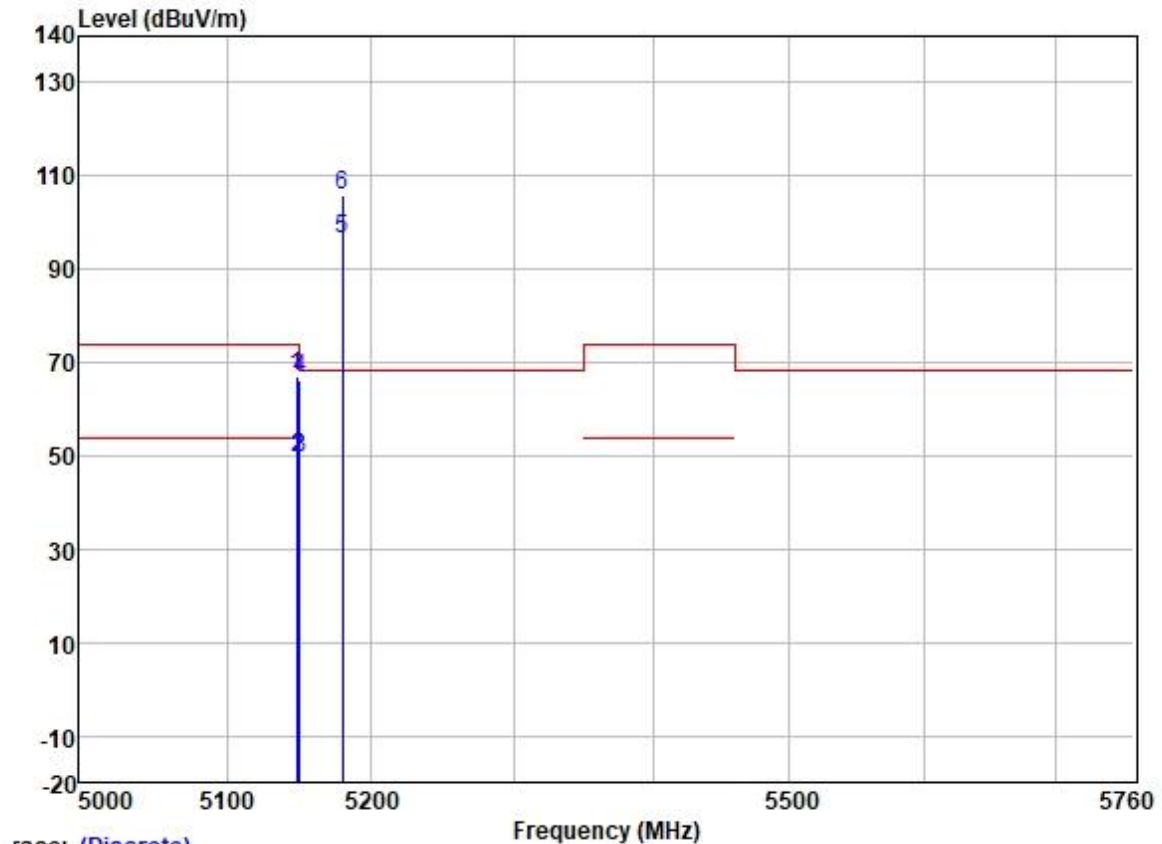


7.2.4 Measurement Procedure and Data

- 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

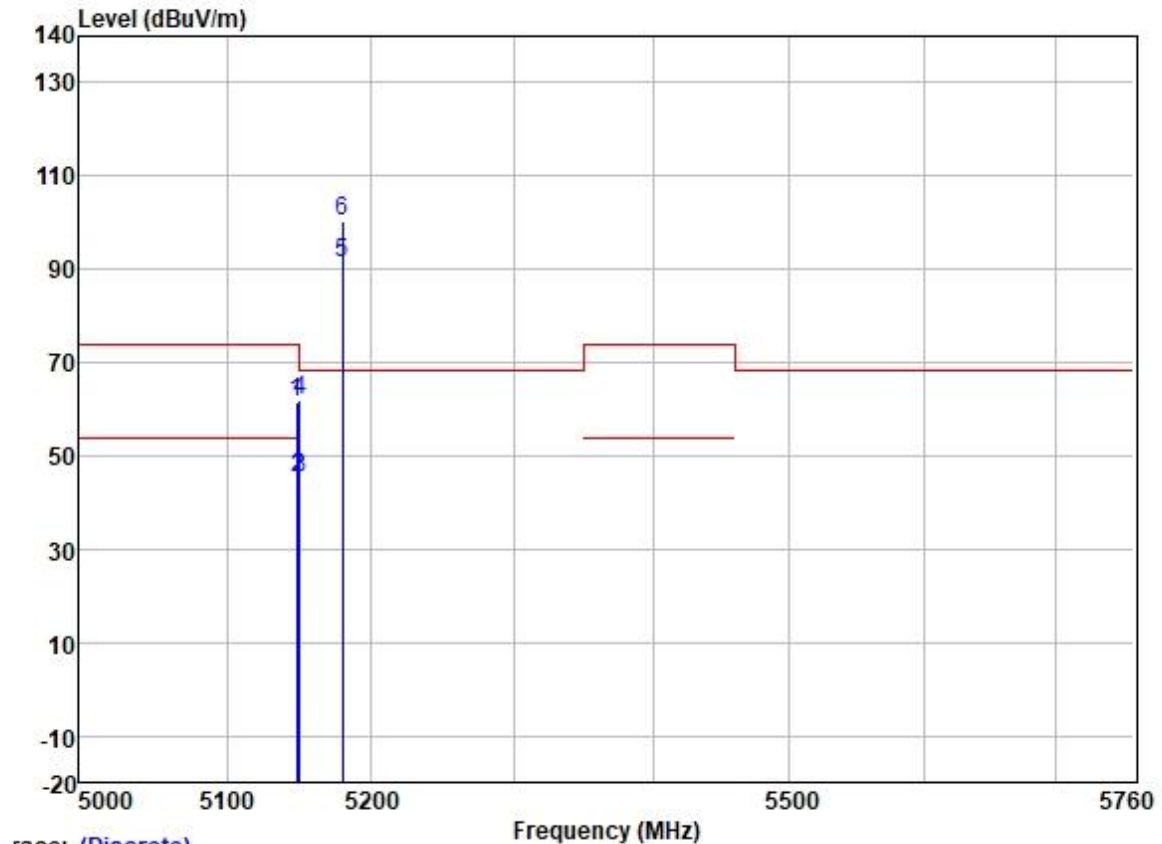
Test Mode: 10; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



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	5147.658	66.55	31.72	5.62	36.86	67.03	74.00	-6.97	HORIZONTAL	Peak
2	5149.458	48.91	31.72	5.62	36.86	49.39	54.00	-4.61	HORIZONTAL	Average
3	5149.980	48.95	31.72	5.62	36.86	49.43	54.00	-4.57	HORIZONTAL	Average
4	5149.980	65.92	31.72	5.62	36.86	66.40	74.00	-7.60	HORIZONTAL	Peak
5	5180.000	96.17	31.73	5.61	36.87	96.64	-----	-----	HORIZONTAL	Average
6 *	5180.000	105.32	31.73	5.61	36.87	105.79	68.20	37.59	HORIZONTAL	Peak

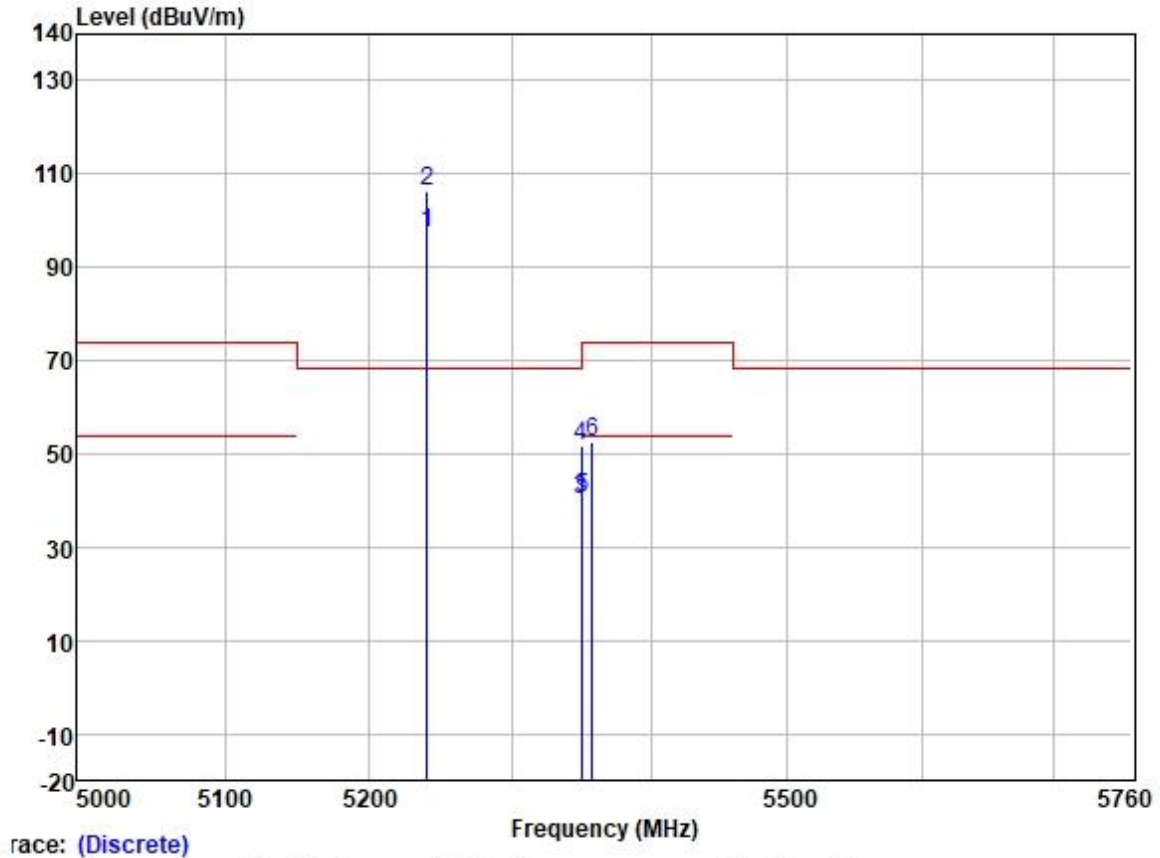
Test Mode: 10; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

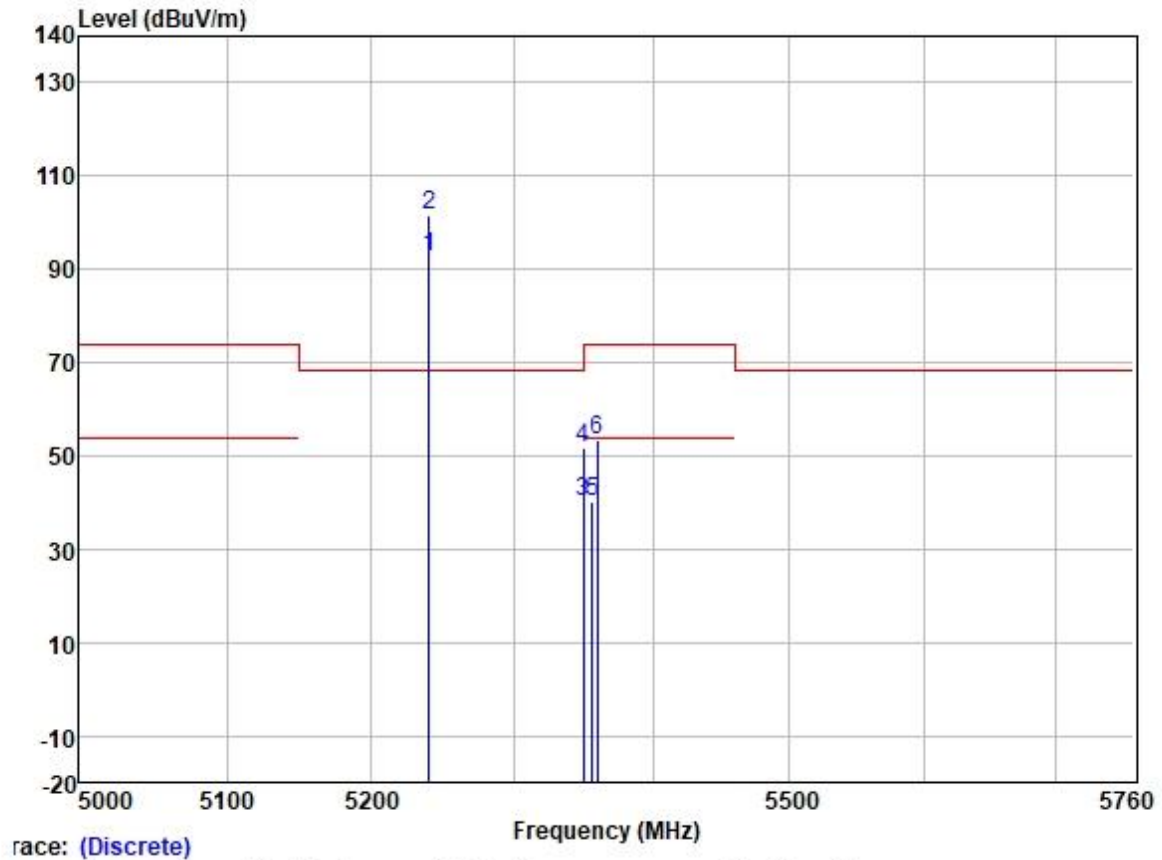
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5148.058	60.95	31.72	5.62	36.86	61.43	74.00	-12.57	VERTICAL	Peak
2	5149.458	44.59	31.72	5.62	36.86	45.07	54.00	-8.93	VERTICAL	Average
3	5149.980	44.91	31.72	5.62	36.86	45.39	54.00	-8.61	VERTICAL	Average
4	5149.980	61.30	31.72	5.62	36.86	61.78	74.00	-12.22	VERTICAL	Peak
5	5180.000	91.03	31.73	5.61	36.87	91.50	-----	-----	VERTICAL	Average
6 *	5180.000	100.03	31.73	5.61	36.87	100.50	68.20	32.30	VERTICAL	Peak

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



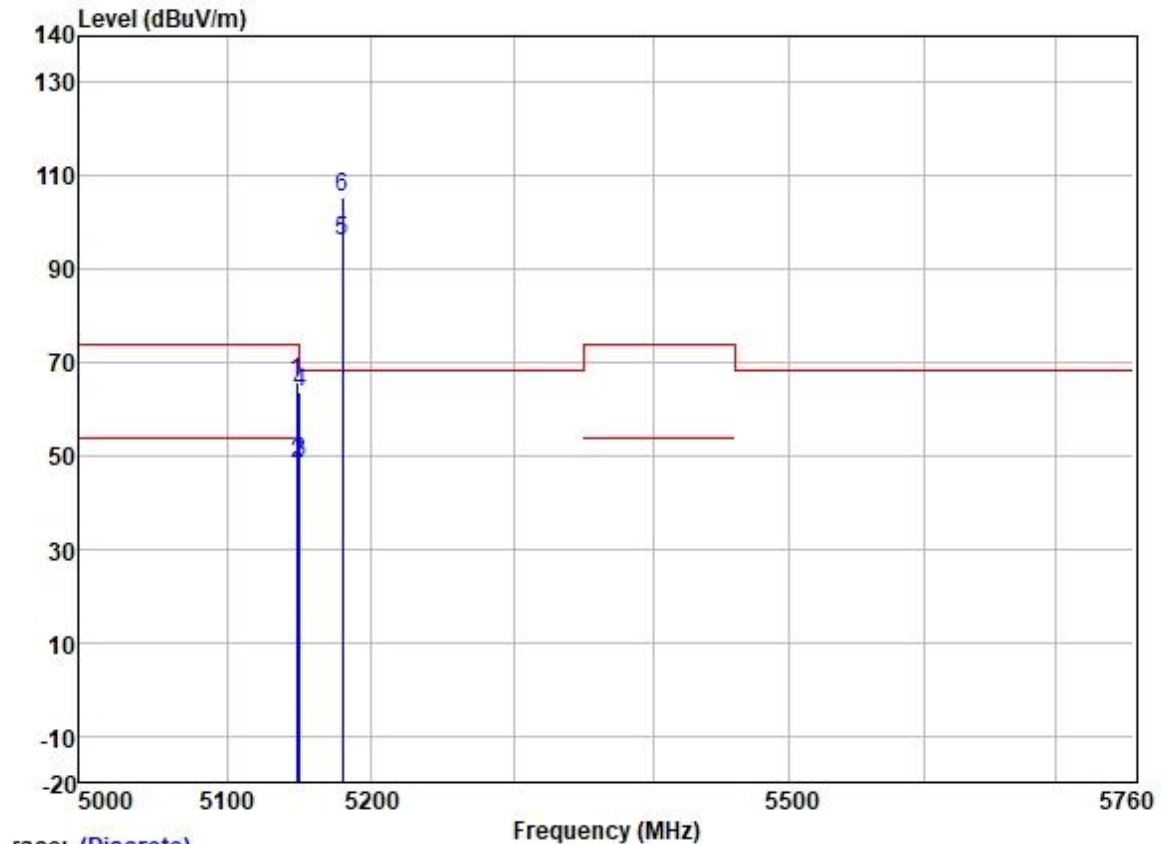
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5240.000	96.75	31.75	5.74	36.87	97.37	-----	-----	HORIZONTAL	Average
2 *	5240.000	105.84	31.75	5.74	36.87	106.46	68.20	38.26	HORIZONTAL	Peak
3	5350.020	39.30	31.77	6.05	36.88	40.24	54.00	-13.76	HORIZONTAL	Average
4	5350.020	50.77	31.77	6.05	36.88	51.71	74.00	-22.29	HORIZONTAL	Peak
5	5350.787	39.46	31.77	6.05	36.88	40.40	54.00	-13.60	HORIZONTAL	Average
6	5357.873	51.67	31.78	6.03	36.88	52.60	74.00	-21.40	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	92.00	31.75	5.74	36.87	92.62	-----	-----	VERTICAL	Average
2 *	5240.000	100.85	31.75	5.74	36.87	101.47	68.20	33.27	VERTICAL	Peak
3	5350.020	39.05	31.77	6.05	36.88	39.99	54.00	-14.01	VERTICAL	Average
4	5350.020	50.79	31.77	6.05	36.88	51.73	74.00	-22.27	VERTICAL	Peak
5	5356.313	39.30	31.78	6.03	36.88	40.23	54.00	-13.77	VERTICAL	Average
6	5359.433	52.53	31.78	6.03	36.88	53.46	74.00	-20.54	VERTICAL	Peak

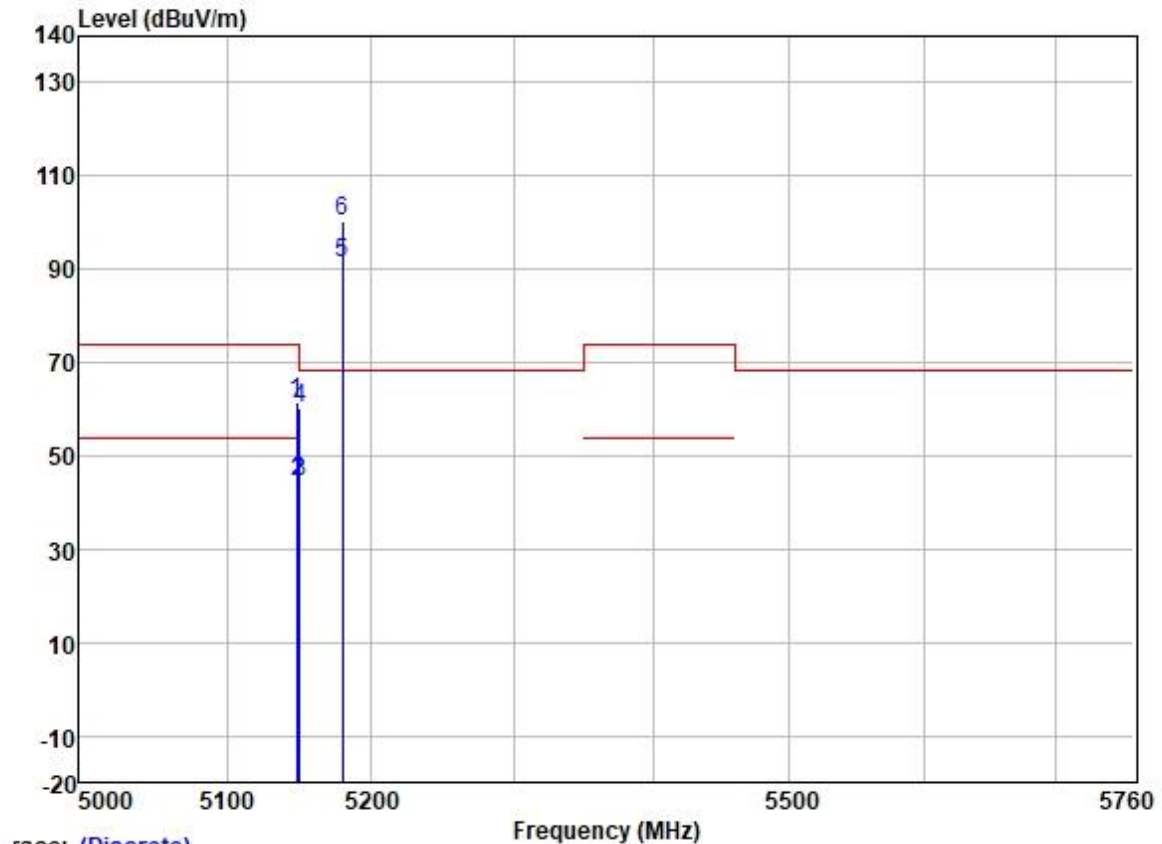
Test Mode: 10; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



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	5148.158	65.43	31.72	5.62	36.86	65.91	74.00	-8.09	HORIZONTAL	Peak
2	5149.458	47.88	31.72	5.62	36.86	48.36	54.00	-5.64	HORIZONTAL	Average
3	5149.980	48.24	31.72	5.62	36.86	48.72	54.00	-5.28	HORIZONTAL	Average
4	5149.980	62.99	31.72	5.62	36.86	63.47	74.00	-10.53	HORIZONTAL	Peak
5	5180.000	95.44	31.73	5.61	36.87	95.91	-----	-----	HORIZONTAL	Average
6 *	5180.000	105.02	31.73	5.61	36.87	105.49	68.20	37.29	HORIZONTAL	Peak

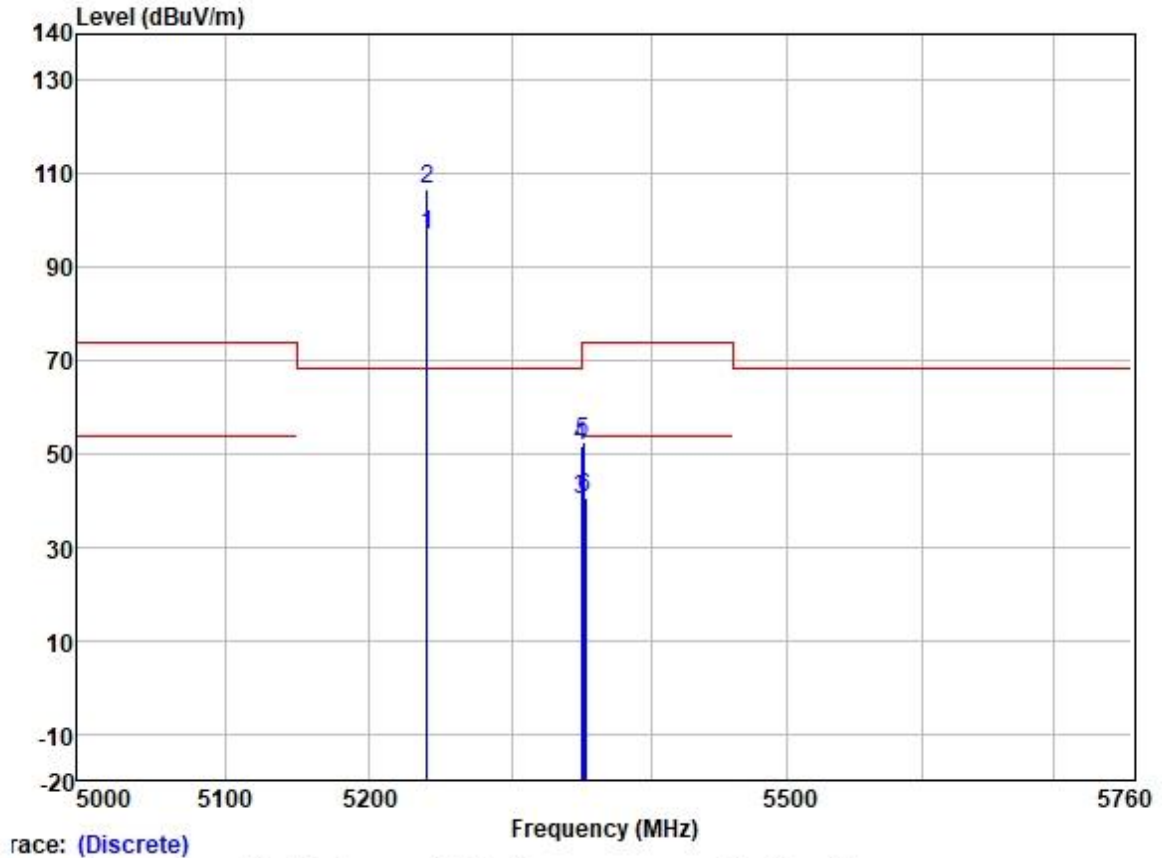
Test Mode: 10; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

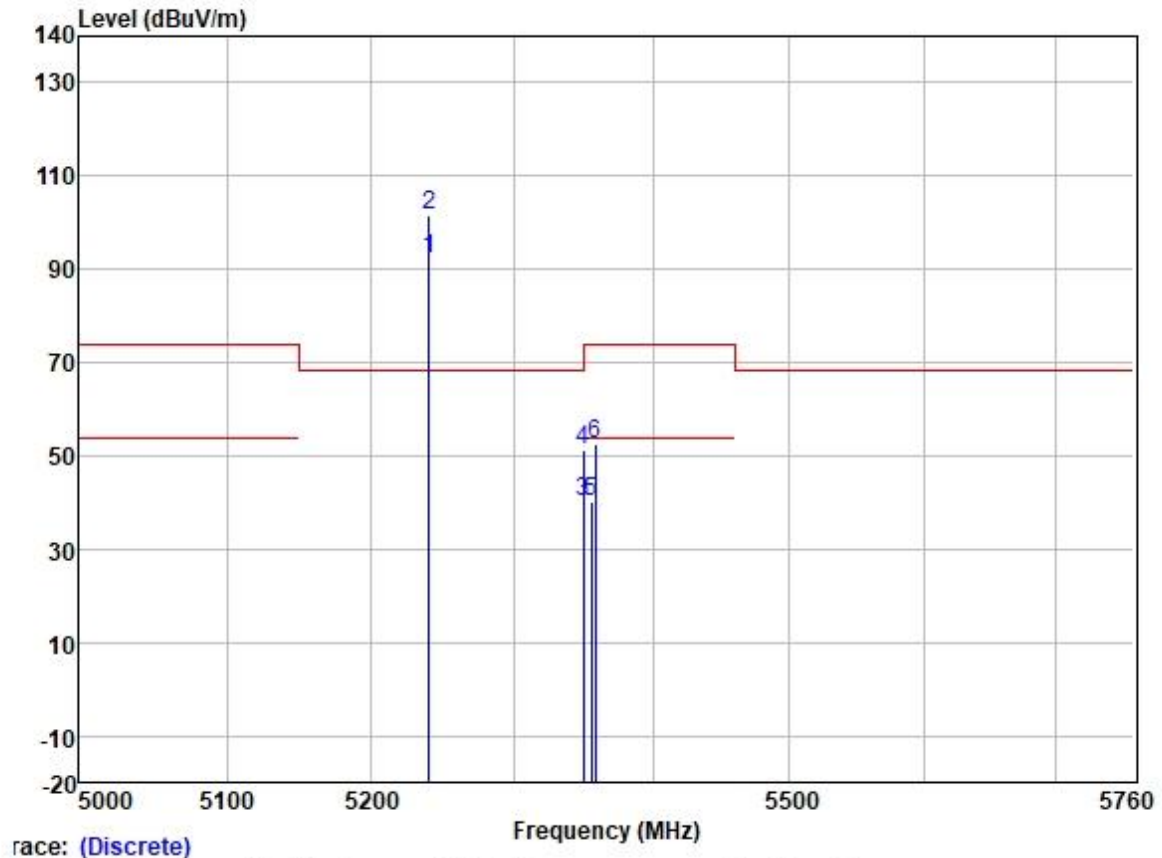
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5147.758	60.89	31.72	5.62	36.86	61.37	74.00	-12.63	VERTICAL	Peak
2	5149.357	43.91	31.72	5.62	36.86	44.39	54.00	-9.61	VERTICAL	Average
3	5149.980	44.11	31.72	5.62	36.86	44.59	54.00	-9.41	VERTICAL	Average
4	5149.980	59.78	31.72	5.62	36.86	60.26	74.00	-13.74	VERTICAL	Peak
5	5180.000	90.69	31.73	5.61	36.87	91.16	-----	-----	VERTICAL	Average
6 *	5180.000	99.88	31.73	5.61	36.87	100.35	68.20	32.15	VERTICAL	Peak

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



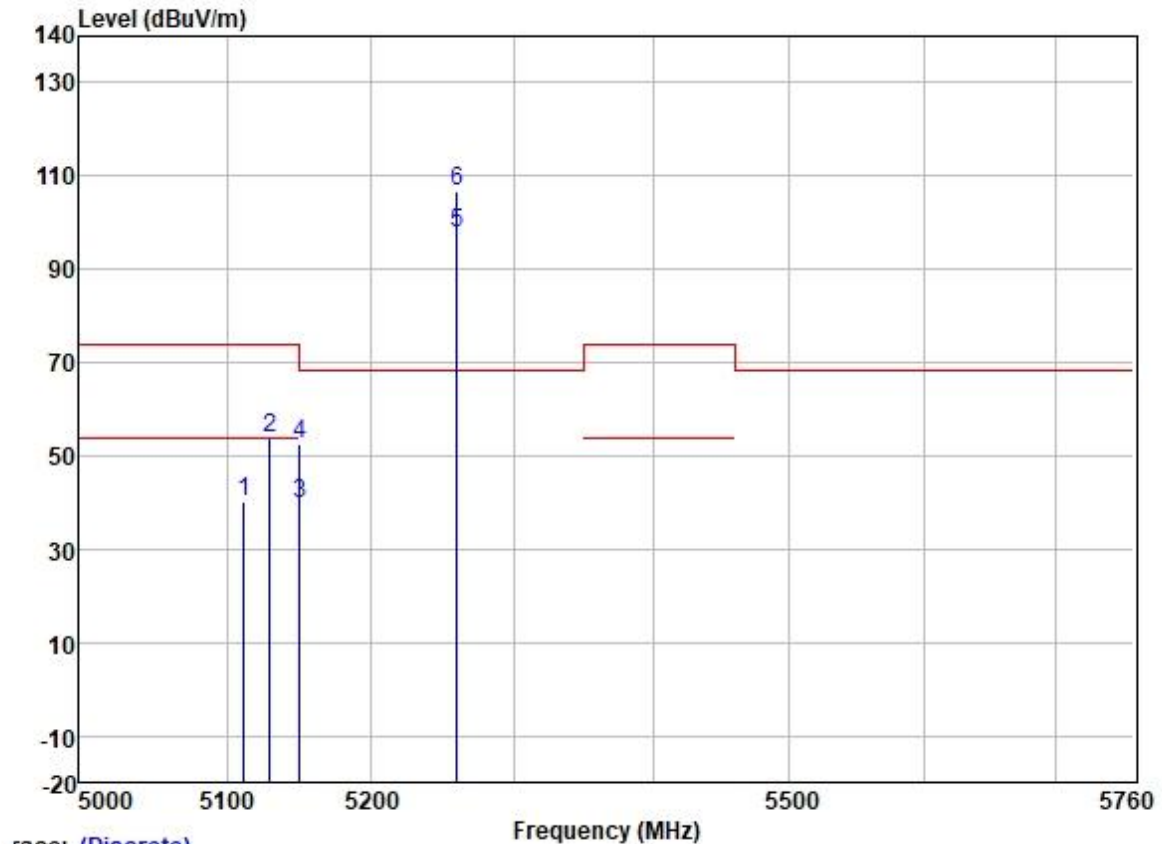
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5240.000	96.44	31.75	5.74	36.87	97.06	-----	-----	HORIZONTAL	Average
2 *	5240.000	106.24	31.75	5.74	36.87	106.86	68.20	38.66	HORIZONTAL	Peak
3	5350.020	39.39	31.77	6.05	36.88	40.33	54.00	-13.67	HORIZONTAL	Average
4	5350.020	50.66	31.77	6.05	36.88	51.60	74.00	-22.40	HORIZONTAL	Peak
5	5350.929	51.47	31.77	6.05	36.88	52.41	74.00	-21.59	HORIZONTAL	Peak
6	5352.912	39.46	31.77	6.05	36.88	40.40	54.00	-13.60	HORIZONTAL	Average

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



	Read Freq	Antenna Level	Cable Factor	Preamp Loss	Preamp Factor	Limit Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5240.000	91.40	31.75	5.74	36.87	92.02	-----	-----	VERTICAL	Average
2 *	5240.000	100.82	31.75	5.74	36.87	101.44	68.20	33.24	VERTICAL	Peak
3	5350.020	39.16	31.77	6.05	36.88	40.10	54.00	-13.90	VERTICAL	Average
4	5350.020	50.41	31.77	6.05	36.88	51.35	74.00	-22.65	VERTICAL	Peak
5	5355.321	39.24	31.78	6.03	36.88	40.17	54.00	-13.83	VERTICAL	Average
6	5358.582	51.71	31.78	6.03	36.88	52.64	74.00	-21.36	VERTICAL	Peak

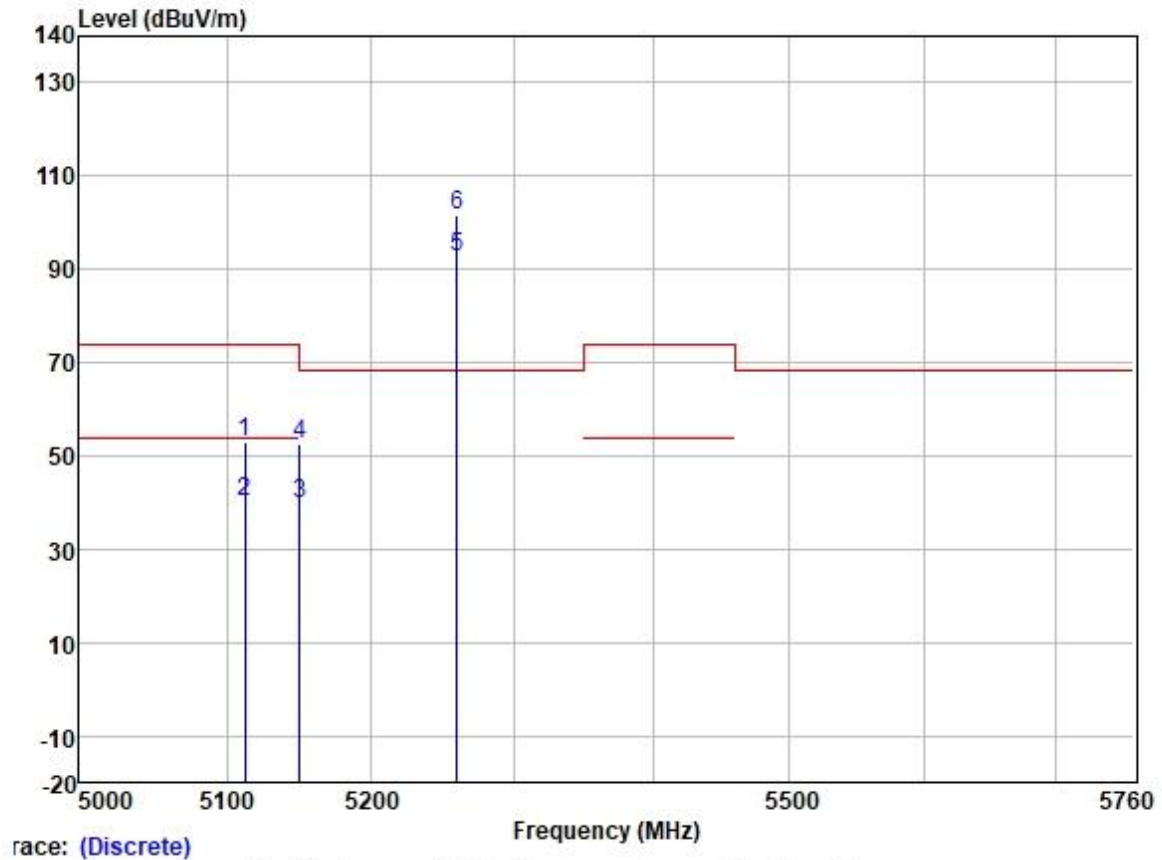
Test Mode: 11; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

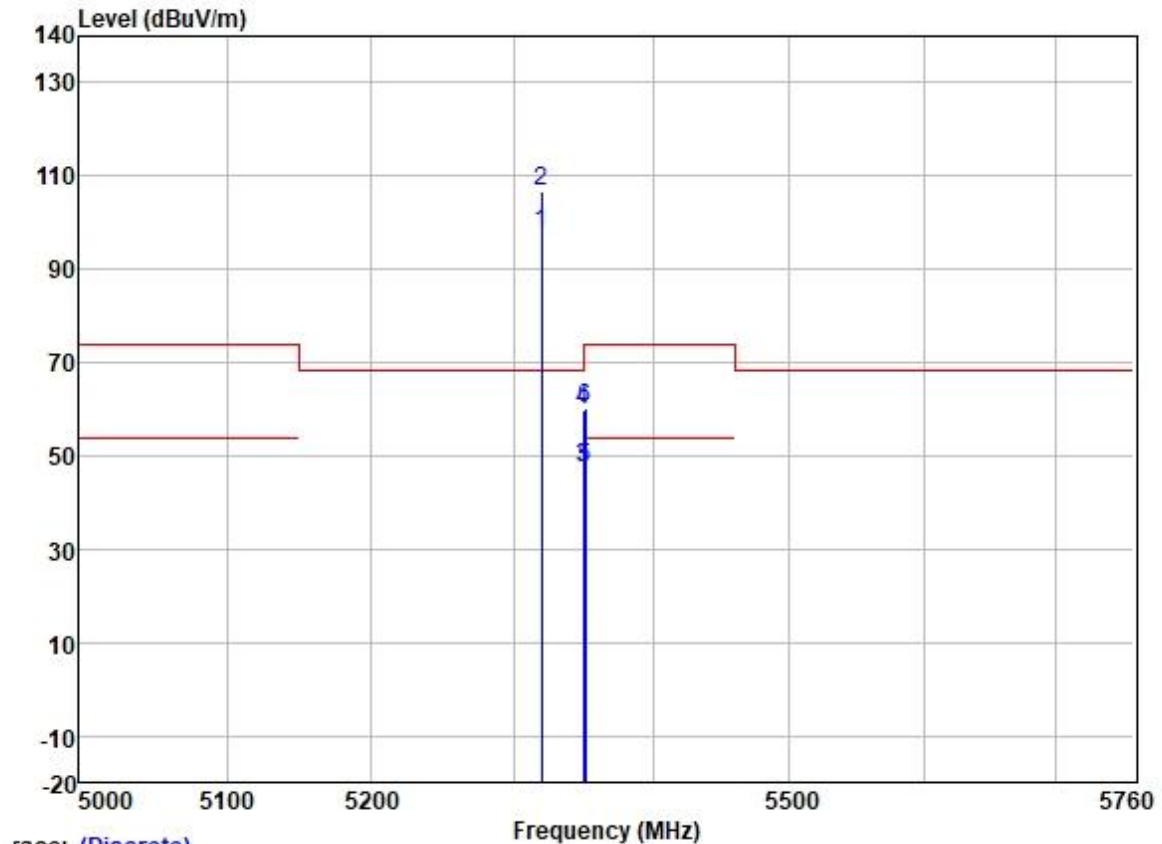
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5111.866	39.76	31.72	5.65	36.86	40.27	54.00	-13.73	HORIZONTAL	Average
2	5129.271	53.17	31.72	5.63	36.86	53.66	74.00	-20.34	HORIZONTAL	Peak
3	5149.980	39.44	31.72	5.62	36.86	39.92	54.00	-14.08	HORIZONTAL	Average
4	5149.980	51.96	31.72	5.62	36.86	52.44	74.00	-21.56	HORIZONTAL	Peak
5	5260.000	97.09	31.75	5.77	36.87	97.74	-----	-----	HORIZONTAL	Average
6 *	5260.000	105.93	31.75	5.77	36.87	106.58	68.20	38.38	HORIZONTAL	Peak

Test Mode: 11; 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	5112.043	52.42	31.72	5.65	36.86	52.93	74.00	-21.07	VERTICAL	Peak
2	5112.575	39.84	31.72	5.64	36.86	40.34	54.00	-13.66	VERTICAL	Average
3	5149.980	39.28	31.72	5.62	36.86	39.76	54.00	-14.24	VERTICAL	Average
4	5149.980	52.08	31.72	5.62	36.86	52.56	74.00	-21.44	VERTICAL	Peak
5	5260.000	91.81	31.75	5.77	36.87	92.46	-----	-----	VERTICAL	Average
6 *	5260.000	101.03	31.75	5.77	36.87	101.68	68.20	33.48	VERTICAL	Peak

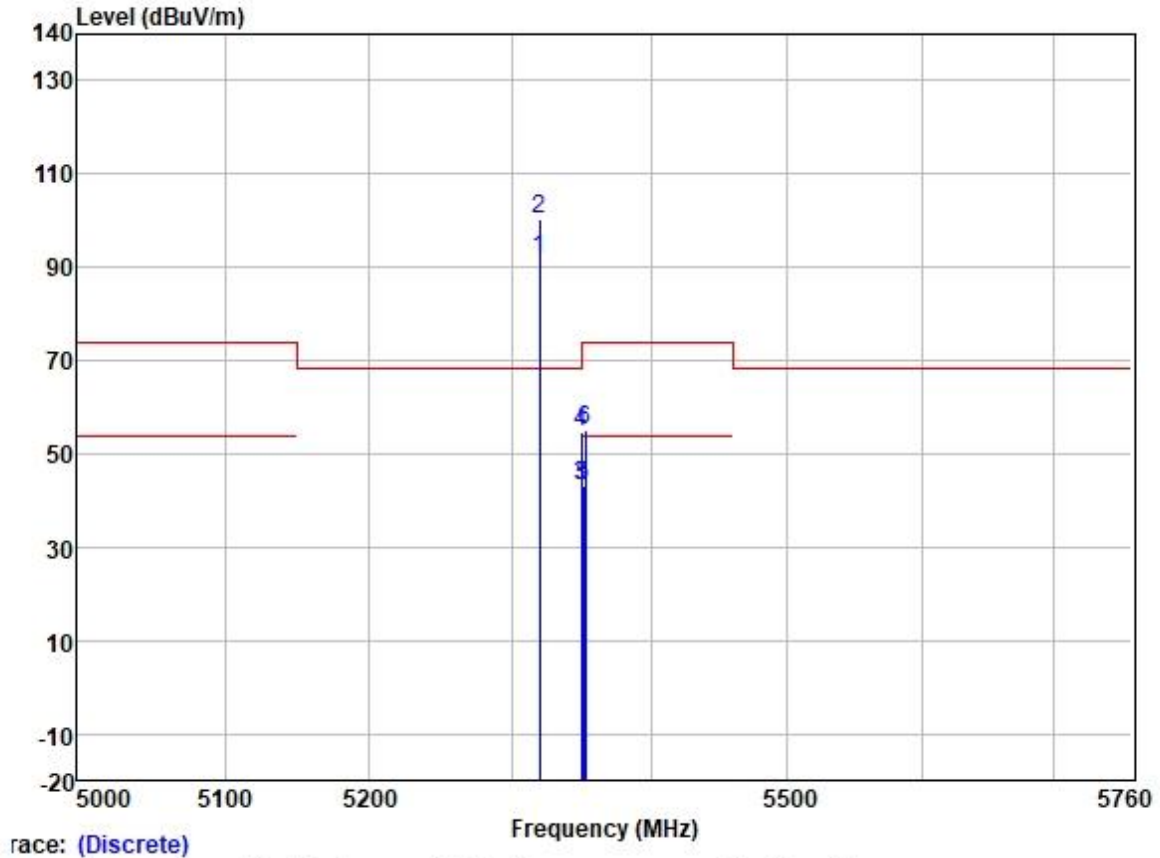
Test Mode: 11; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

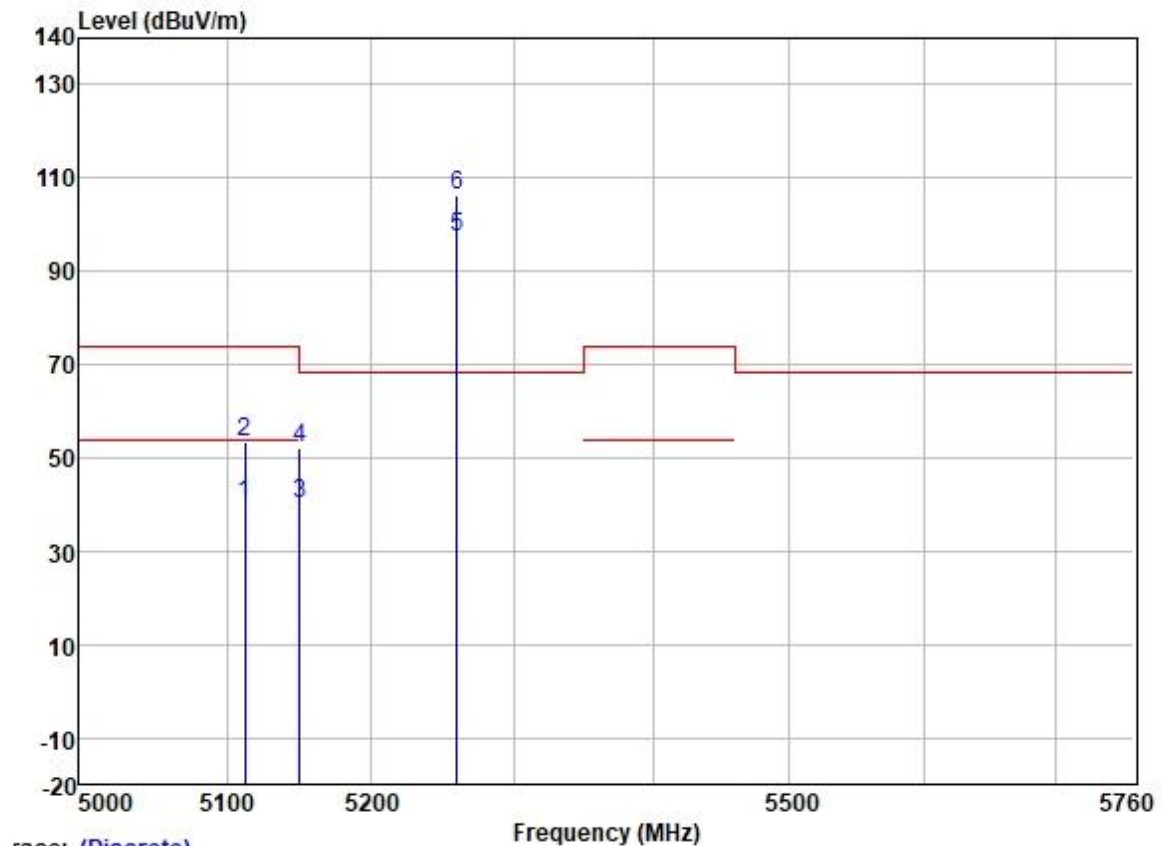
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5320.000	96.99	31.77	6.08	36.88	97.96	-----	-----	HORIZONTAL	Average
2 *	5320.000	105.65	31.77	6.08	36.88	106.62	68.20	38.42	HORIZONTAL	Peak
3	5350.020	46.66	31.77	6.05	36.88	47.60	54.00	-6.40	HORIZONTAL	Average
4	5350.020	58.82	31.77	6.05	36.88	59.76	74.00	-14.24	HORIZONTAL	Peak
5	5350.767	46.39	31.77	6.05	36.88	47.33	54.00	-6.67	HORIZONTAL	Average
6	5351.467	59.18	31.77	6.05	36.88	60.12	74.00	-13.88	HORIZONTAL	Peak

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



	ReadAntenna	Cable	Preamp		Limit	Over		
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	Remark
1	5320.000	90.68	31.77	6.08	36.88	91.65	-----	VERTICAL
2 *	5320.000	99.44	31.77	6.08	36.88	100.41	68.20	32.21 VERTICAL
3	5350.020	42.35	31.77	6.05	36.88	43.29	54.00	-10.71 VERTICAL
4	5350.020	53.85	31.77	6.05	36.88	54.79	74.00	-19.21 VERTICAL
5	5350.866	42.15	31.77	6.05	36.88	43.09	54.00	-10.91 VERTICAL
6	5352.467	54.01	31.77	6.05	36.88	54.95	74.00	-19.05 VERTICAL

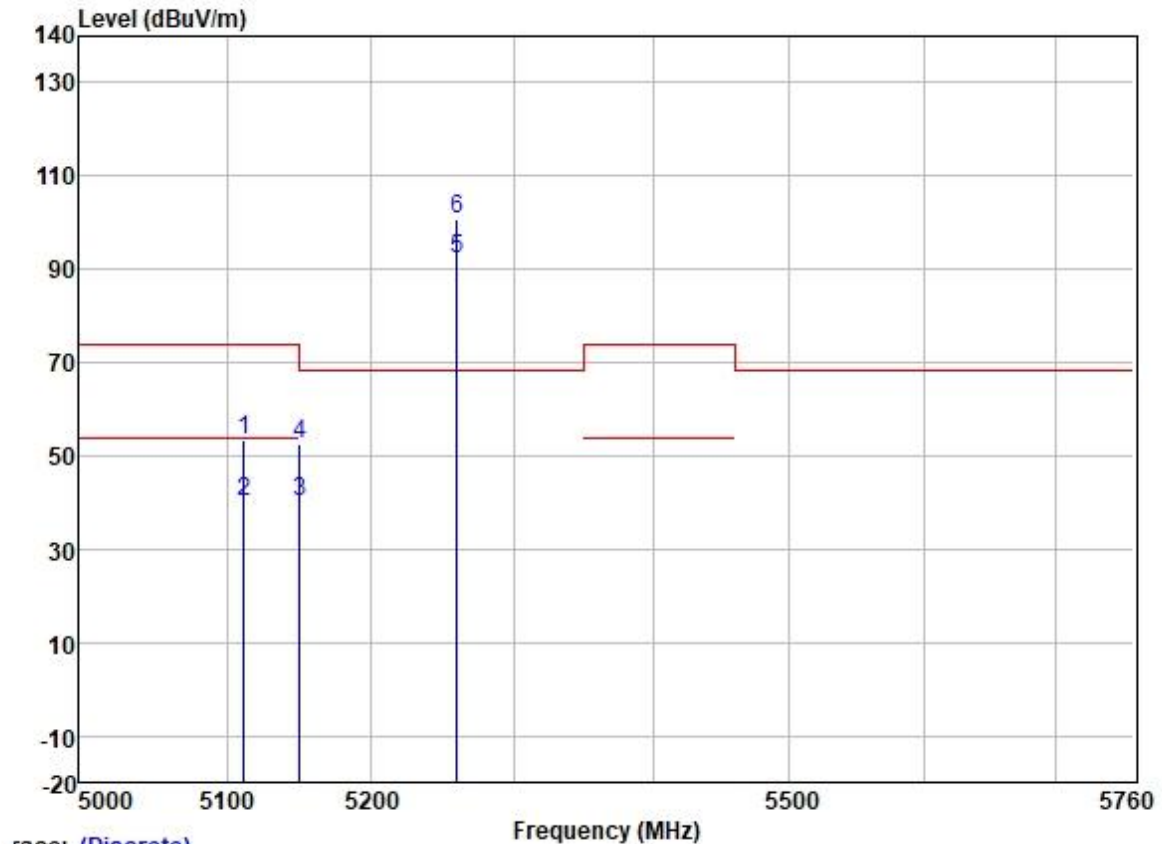
Test Mode: 11; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

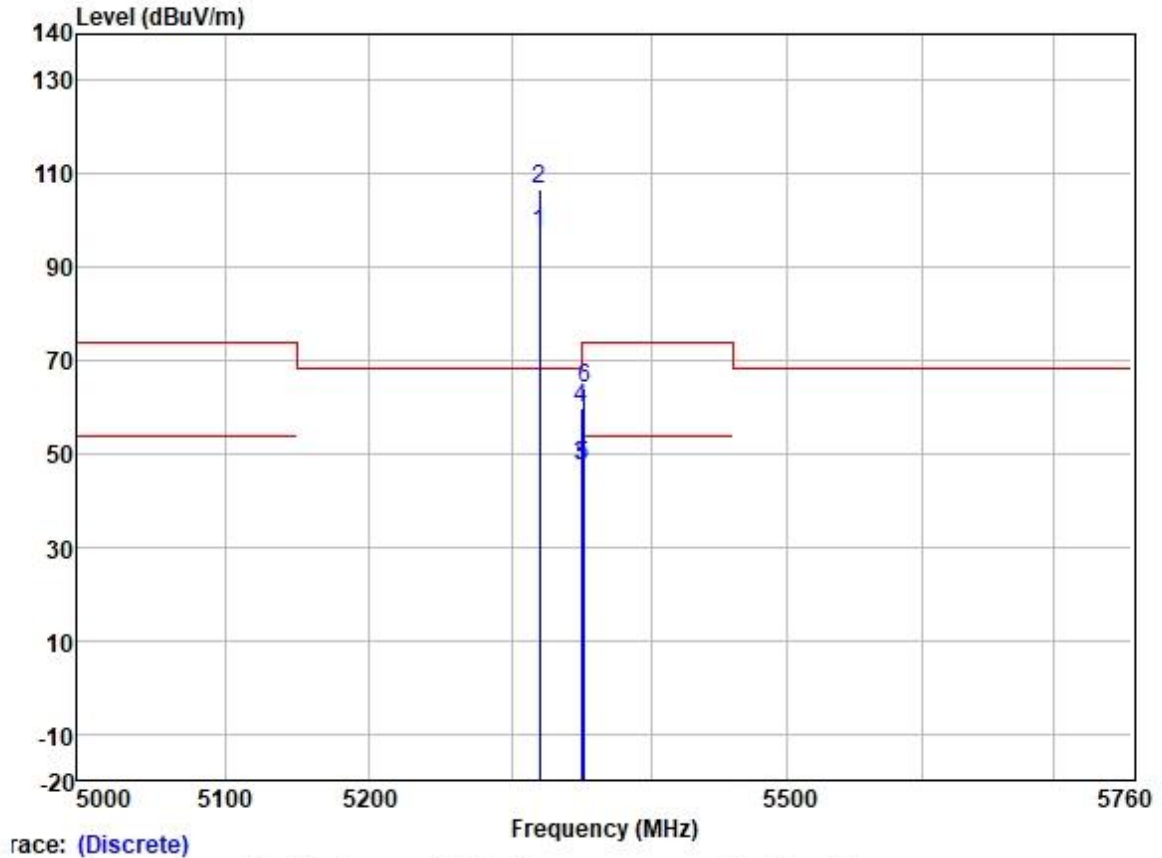
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5112.043	39.82	31.72	5.65	36.86	40.33	54.00	-13.67	HORIZONTAL	Average
2	5112.043	53.02	31.72	5.65	36.86	53.53	74.00	-20.47	HORIZONTAL	Peak
3	5149.980	39.51	31.72	5.62	36.86	39.99	54.00	-14.01	HORIZONTAL	Average
4	5149.980	51.43	31.72	5.62	36.86	51.91	74.00	-22.09	HORIZONTAL	Peak
5	5260.000	96.58	31.75	5.77	36.87	97.23	-----	-----	HORIZONTAL	Average
6 *	5260.000	105.68	31.75	5.77	36.87	106.33	68.20	38.13	HORIZONTAL	Peak

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



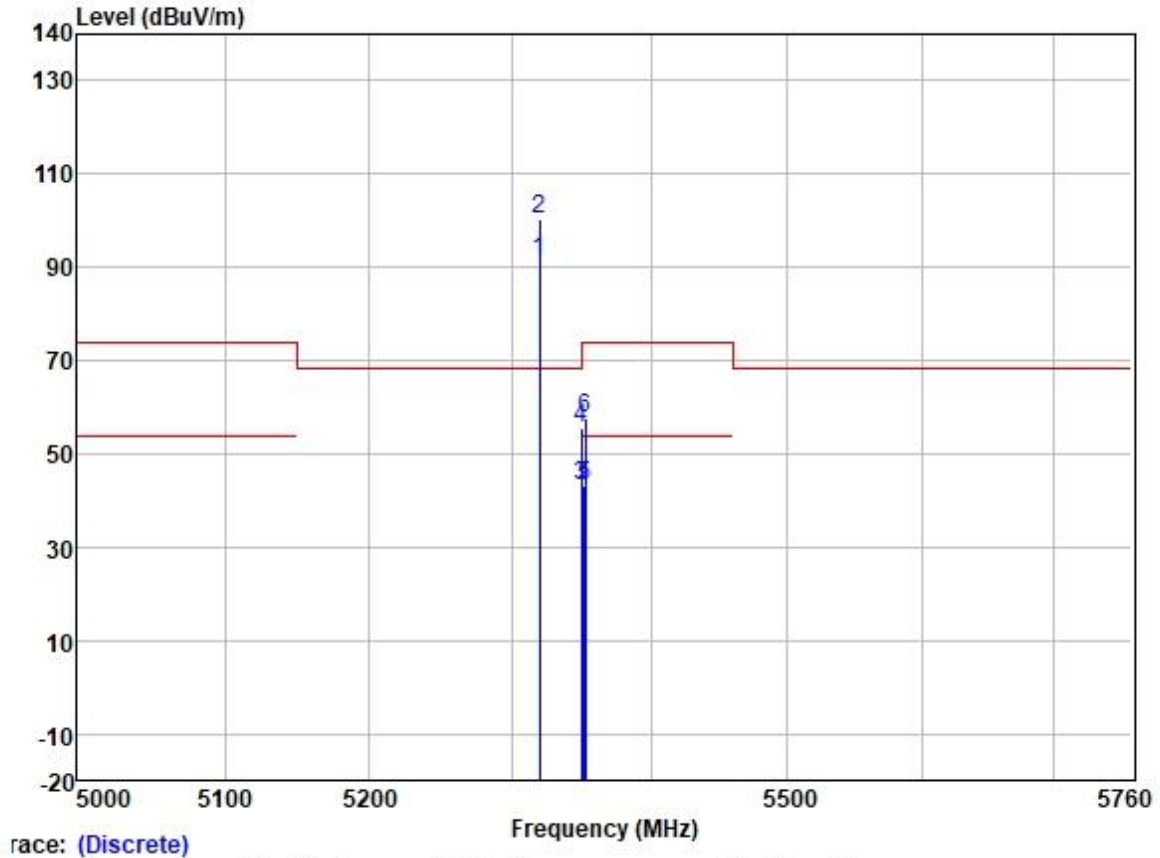
race: (Discrete)	Frequency (MHz)									
		ReadAntenna	Cable	Preamp		Limit	Over			
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5111.511	53.01	31.72	5.65	36.86	53.52	74.00	-20.48	VERTICAL	Peak
2	5111.866	39.78	31.72	5.65	36.86	40.29	54.00	-13.71	VERTICAL	Average
3	5149.980	39.47	31.72	5.62	36.86	39.95	54.00	-14.05	VERTICAL	Average
4	5149.980	52.06	31.72	5.62	36.86	52.54	74.00	-21.46	VERTICAL	Peak
5	5260.000	91.37	31.75	5.77	36.87	92.02	-----	-----	VERTICAL	Average
6 *	5260.000	100.21	31.75	5.77	36.87	100.86	68.20	32.66	VERTICAL	Peak

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



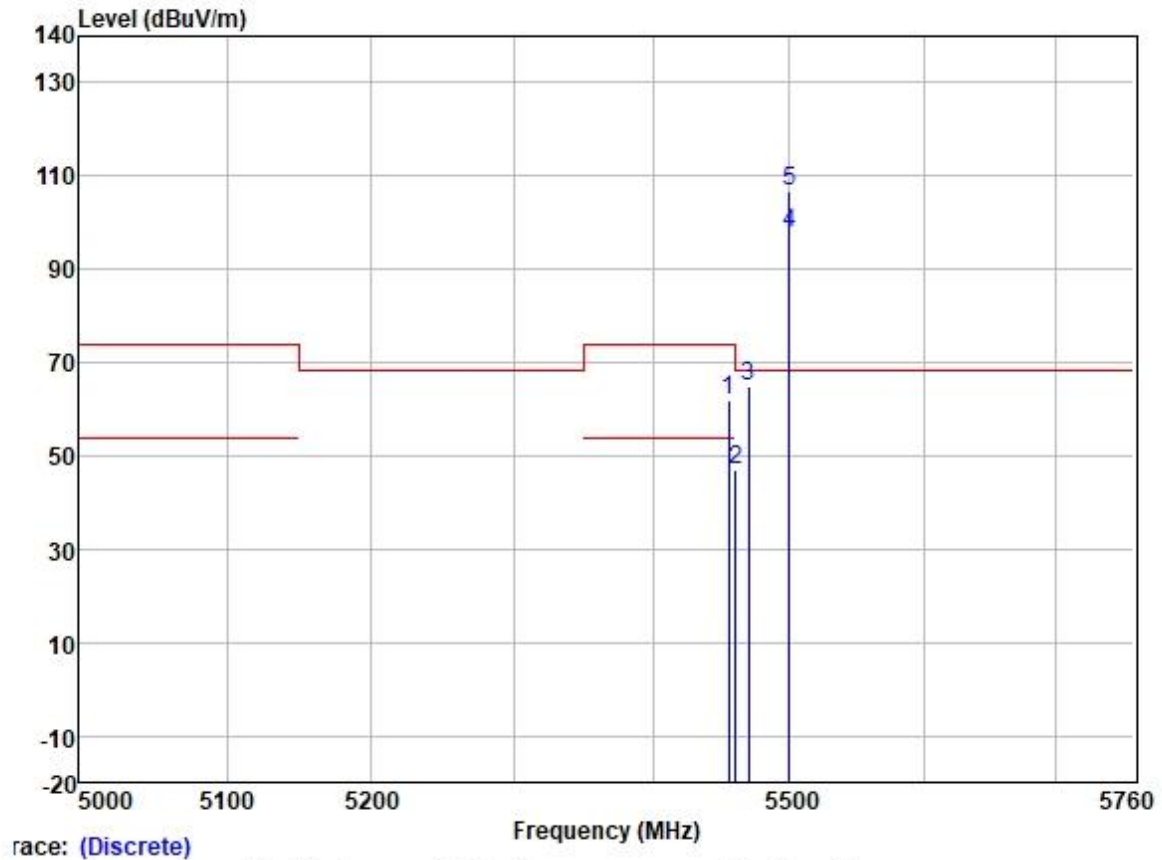
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5320.000	96.52	31.77	6.08	36.88	97.49	-----	-----	HORIZONTAL	Average
2 *	5320.000	105.80	31.77	6.08	36.88	106.77	68.20	38.57	HORIZONTAL	Peak
3	5350.020	46.60	31.77	6.05	36.88	47.54	54.00	-6.46	HORIZONTAL	Average
4	5350.020	58.86	31.77	6.05	36.88	59.80	74.00	-14.20	HORIZONTAL	Peak
5	5350.667	46.31	31.77	6.05	36.88	47.25	54.00	-6.75	HORIZONTAL	Average
6	5351.566	63.24	31.77	6.05	36.88	64.18	74.00	-9.82	HORIZONTAL	Peak

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



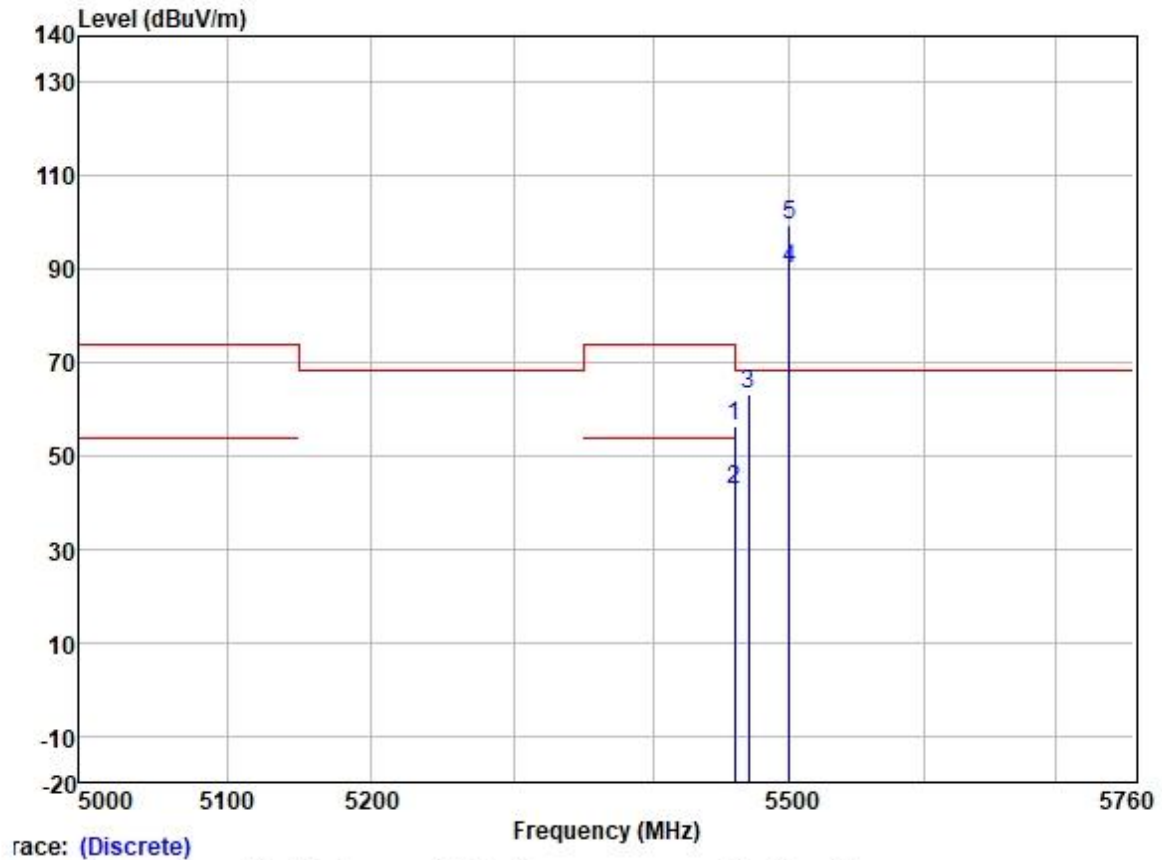
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5320.000	90.43	31.77	6.08	36.88	91.40	-----	-----	VERTICAL	Average
2 *	5320.000	99.18	31.77	6.08	36.88	100.15	68.20	31.95	VERTICAL	Peak
3	5350.020	42.19	31.77	6.05	36.88	43.13	54.00	-10.87	VERTICAL	Average
4	5350.020	54.55	31.77	6.05	36.88	55.49	74.00	-18.51	VERTICAL	Peak
5	5351.667	42.15	31.77	6.05	36.88	43.09	54.00	-10.91	VERTICAL	Average
6	5352.767	56.92	31.77	6.05	36.88	57.86	74.00	-16.14	VERTICAL	Peak

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



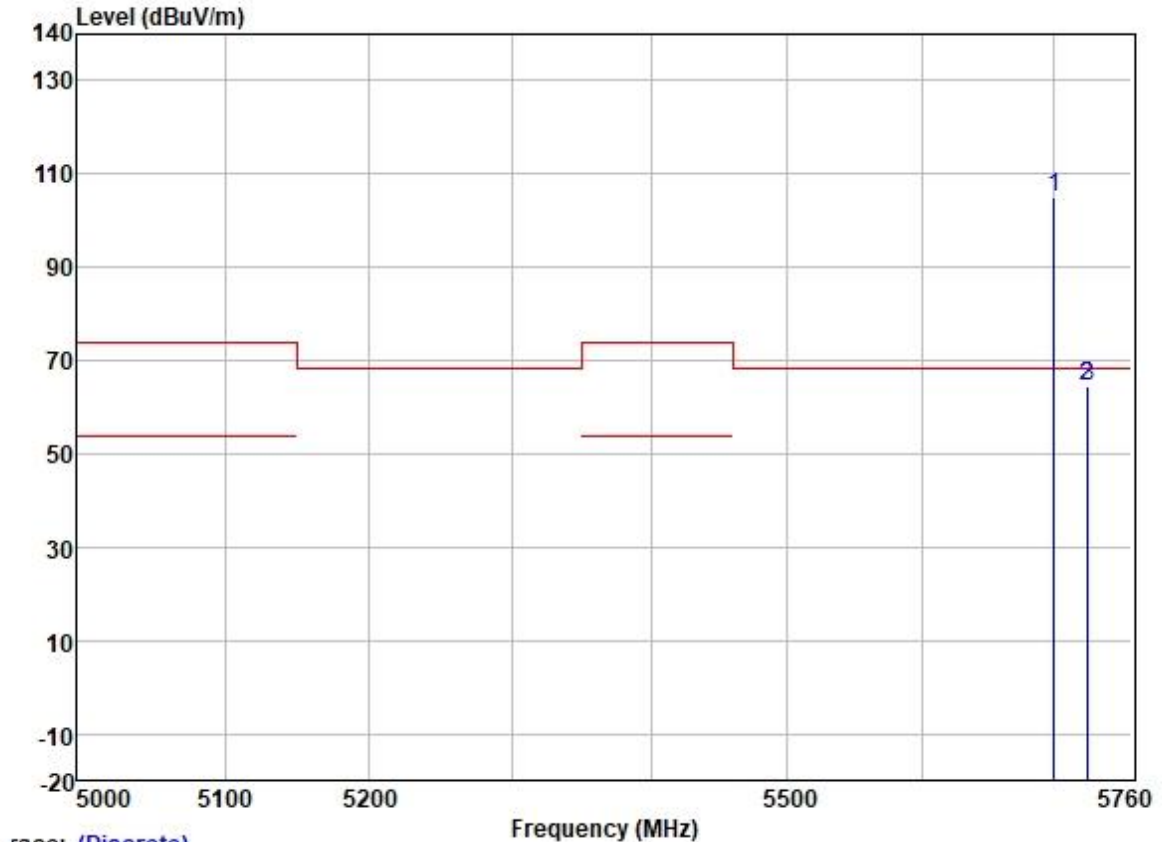
	ReadAntenna	Cable	Preamp		Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5455.112	60.86	31.79	6.26	36.88	62.03	74.00	-11.97	HORIZONTAL Peak
2	5459.910	45.66	31.79	6.26	36.88	46.83	54.00	-7.17	HORIZONTAL Average
3	5469.519	63.69	31.80	6.31	36.88	64.92	68.20	-3.28	HORIZONTAL Peak
4	5500.000	96.58	31.80	6.40	36.88	97.90	-----	-----	HORIZONTAL Average
5 *	5500.000	105.46	31.80	6.40	36.88	106.78	68.20	38.58	HORIZONTAL Peak

Test Mode: 12; 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	5459.190	55.23	31.79	6.26	36.88	56.40	74.00	-17.60	VERTICAL	Peak
2	5459.670	41.36	31.79	6.26	36.88	42.53	54.00	-11.47	VERTICAL	Average
3	5469.519	62.08	31.80	6.31	36.88	63.31	68.20	-4.89	VERTICAL	Peak
4	5500.000	88.87	31.80	6.40	36.88	90.19	-----	-----	VERTICAL	Average
5 *	5500.000	97.95	31.80	6.40	36.88	99.27	68.20	31.07	VERTICAL	Peak

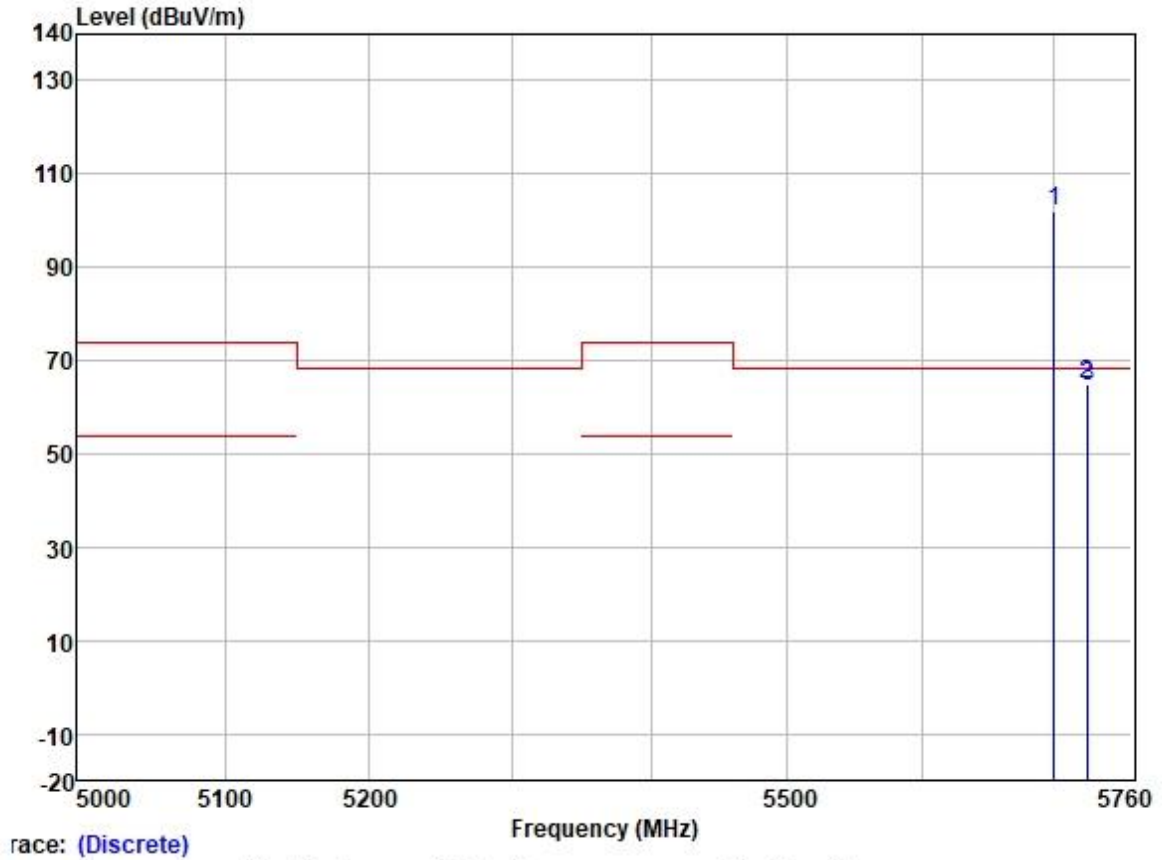
Test Mode: 12; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

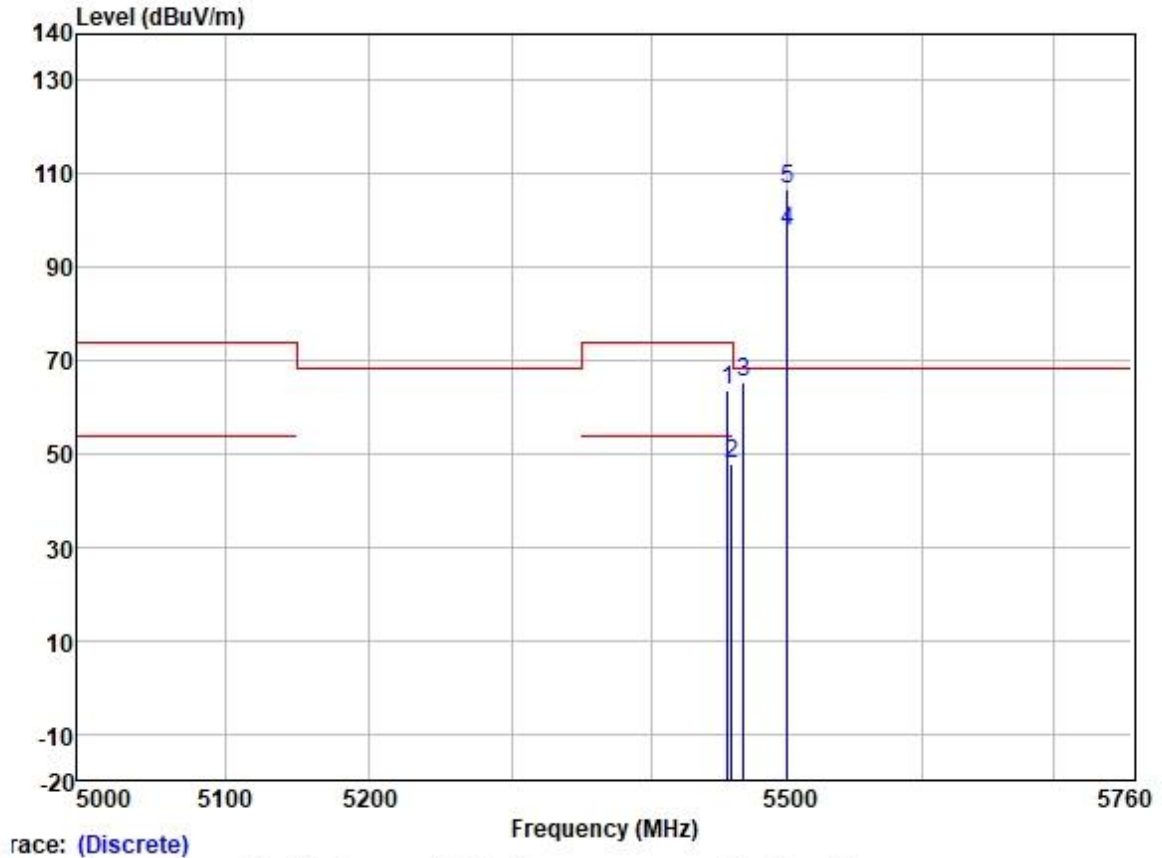
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5700.000	103.60	32.01	6.40	36.89	105.12	68.20	36.92	HORIZONTAL	Peak
2	5725.000	62.97	32.07	6.25	36.89	64.40	68.20	-3.80	HORIZONTAL	Peak
3	5725.684	63.01	32.07	6.25	36.89	64.44	68.20	-3.76	HORIZONTAL	Peak

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



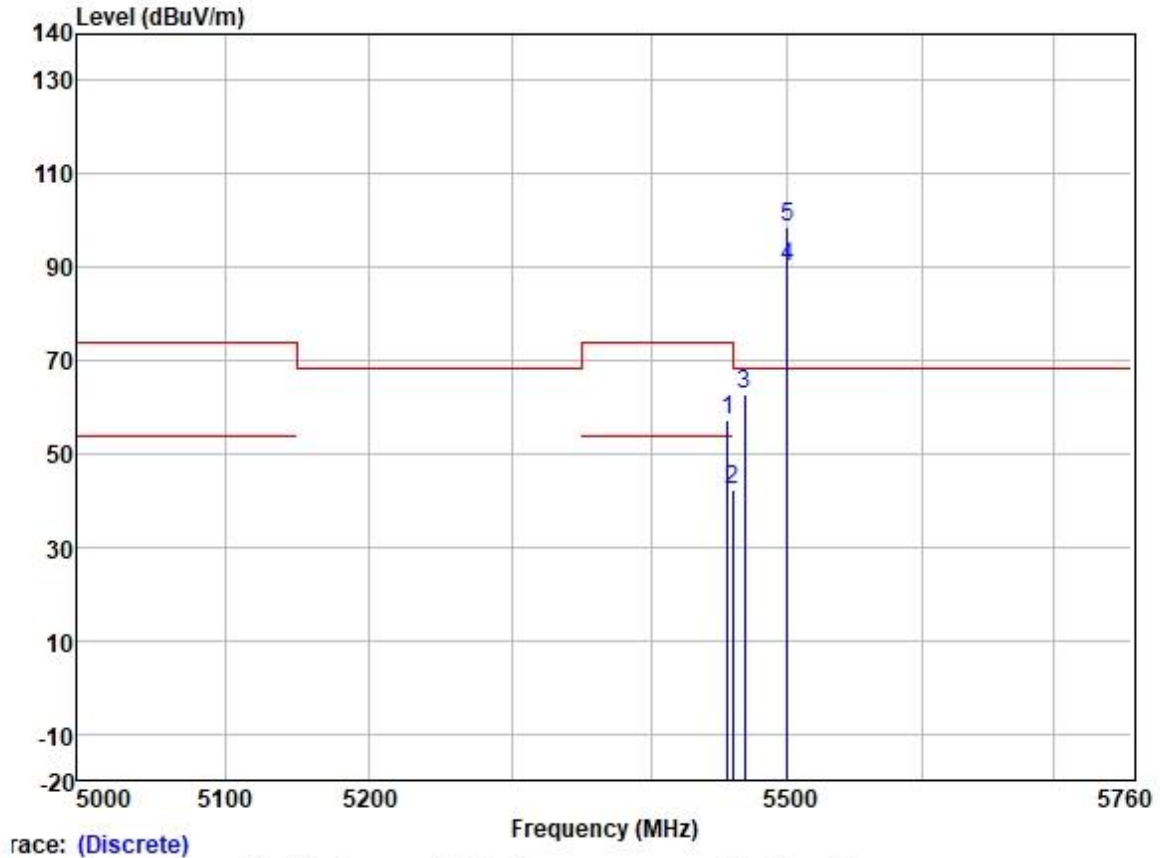
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	* 5700.000	100.45	32.01	6.40	36.89	101.97	68.20	33.77	VERTICAL	Peak
2	5725.000	63.41	32.07	6.25	36.89	64.84	68.20	-3.36	VERTICAL	Peak
3	5725.783	63.10	32.07	6.25	36.89	64.53	68.20	-3.67	VERTICAL	Peak

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



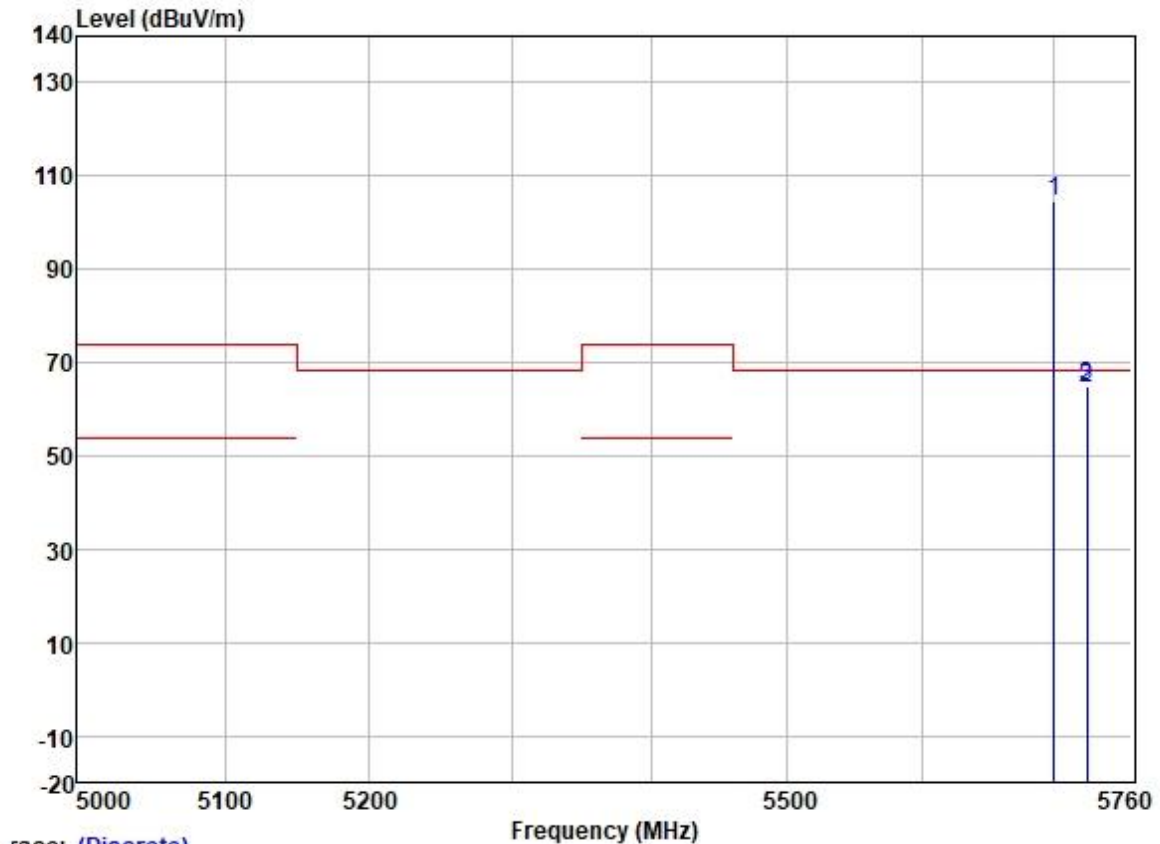
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5455.832	62.25	31.79	6.26	36.88	63.42	74.00	-10.58	HORIZONTAL	Peak
2	5458.950	46.49	31.79	6.26	36.88	47.66	54.00	-6.34	HORIZONTAL	Average
3	5467.716	63.97	31.80	6.31	36.88	65.20	68.20	-3.00	HORIZONTAL	Peak
4	5500.000	96.37	31.80	6.40	36.88	97.69	-----	-----	HORIZONTAL	Average
5 *	5500.000	105.51	31.80	6.40	36.88	106.83	68.20	38.63	HORIZONTAL	Peak

Test Mode: 12; Polarity: Vertical; Modulation:802.11n; 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	dB		
1	5456.072	56.07	31.79	6.26	36.88	57.24	74.00	-16.76	VERTICAL Peak
2	5459.550	41.26	31.79	6.26	36.88	42.43	54.00	-11.57	VERTICAL Average
3	5468.197	61.58	31.80	6.31	36.88	62.81	68.20	-5.39	VERTICAL Peak
4	5500.000	88.61	31.80	6.40	36.88	89.93	-----	-----	VERTICAL Average
5 *	5500.000	97.39	31.80	6.40	36.88	98.71	68.20	30.51	VERTICAL Peak

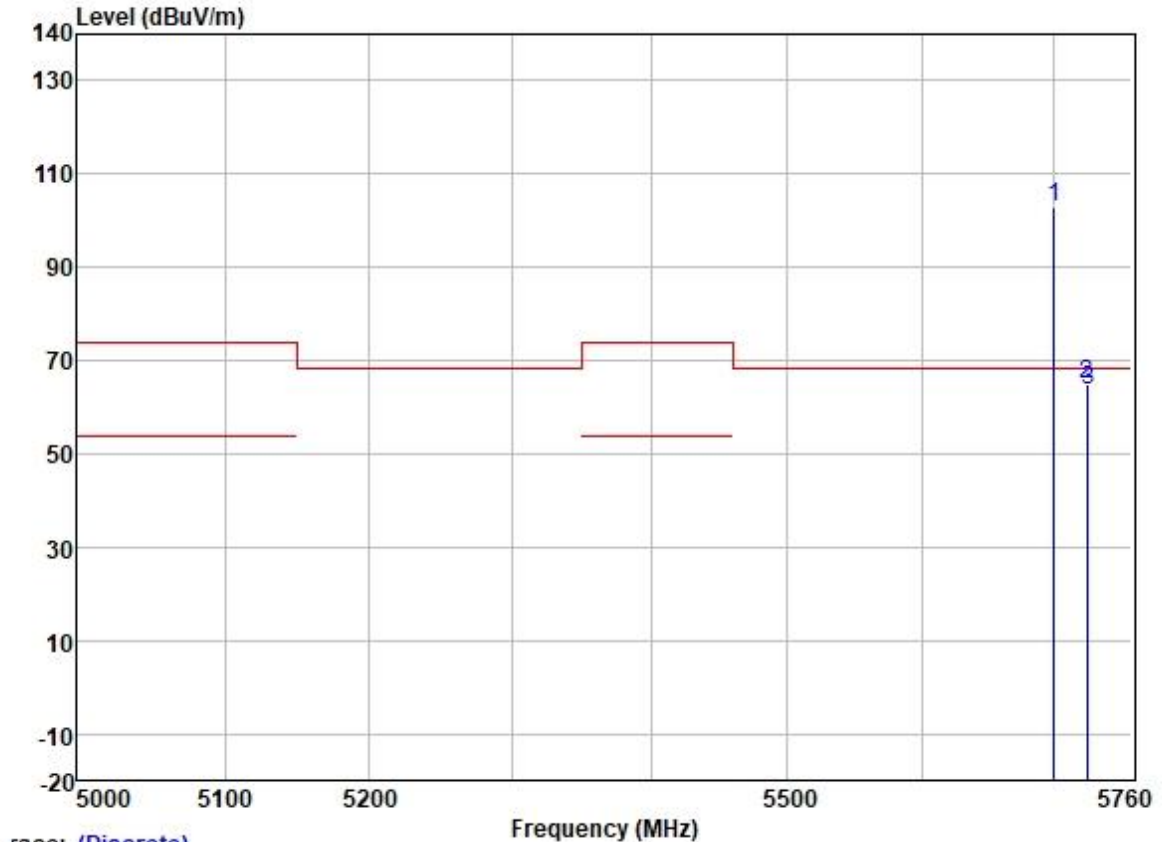
Test Mode: 12; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



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	* 5700.000	103.04	32.01	6.40	36.89	104.56	68.20	36.36	HORIZONTAL	Peak
2	5725.000	63.17	32.07	6.25	36.89	64.60	68.20	-3.60	HORIZONTAL	Peak
3	5725.483	63.33	32.07	6.25	36.89	64.76	68.20	-3.44	HORIZONTAL	Peak

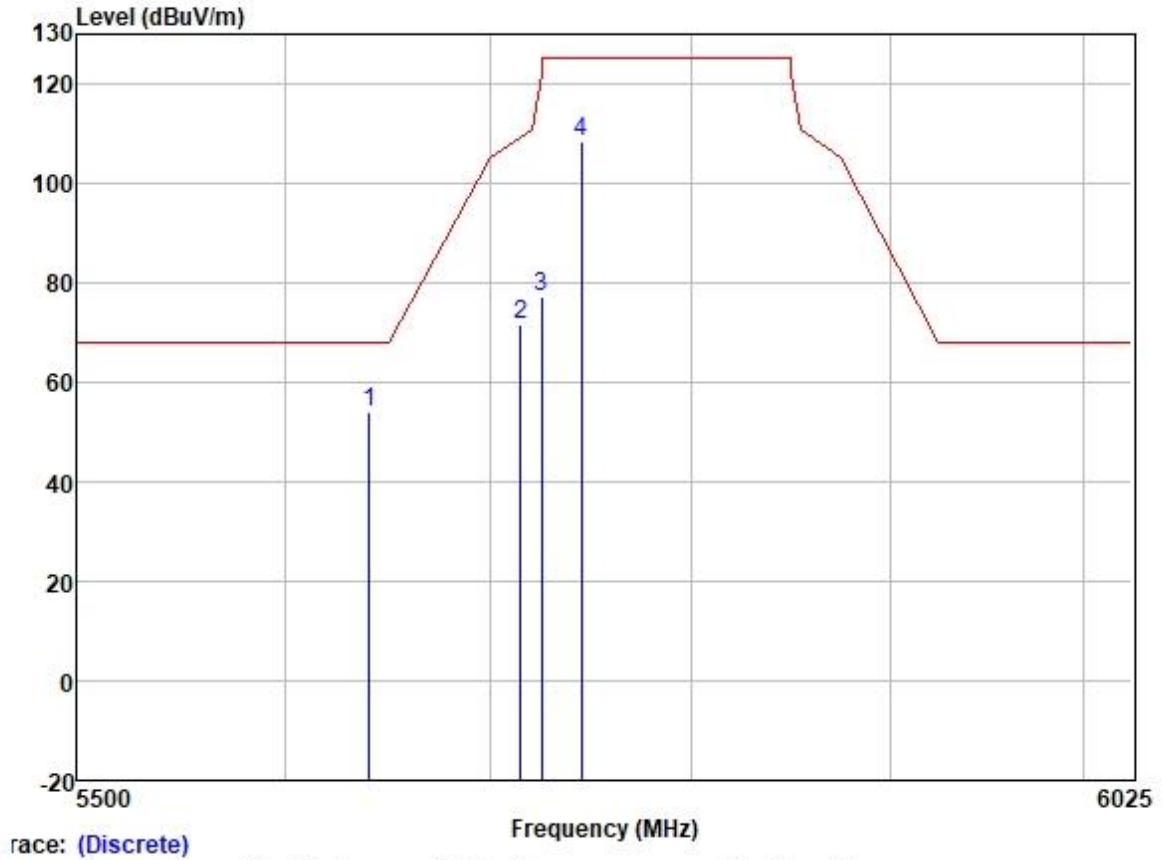
Test Mode: 12; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

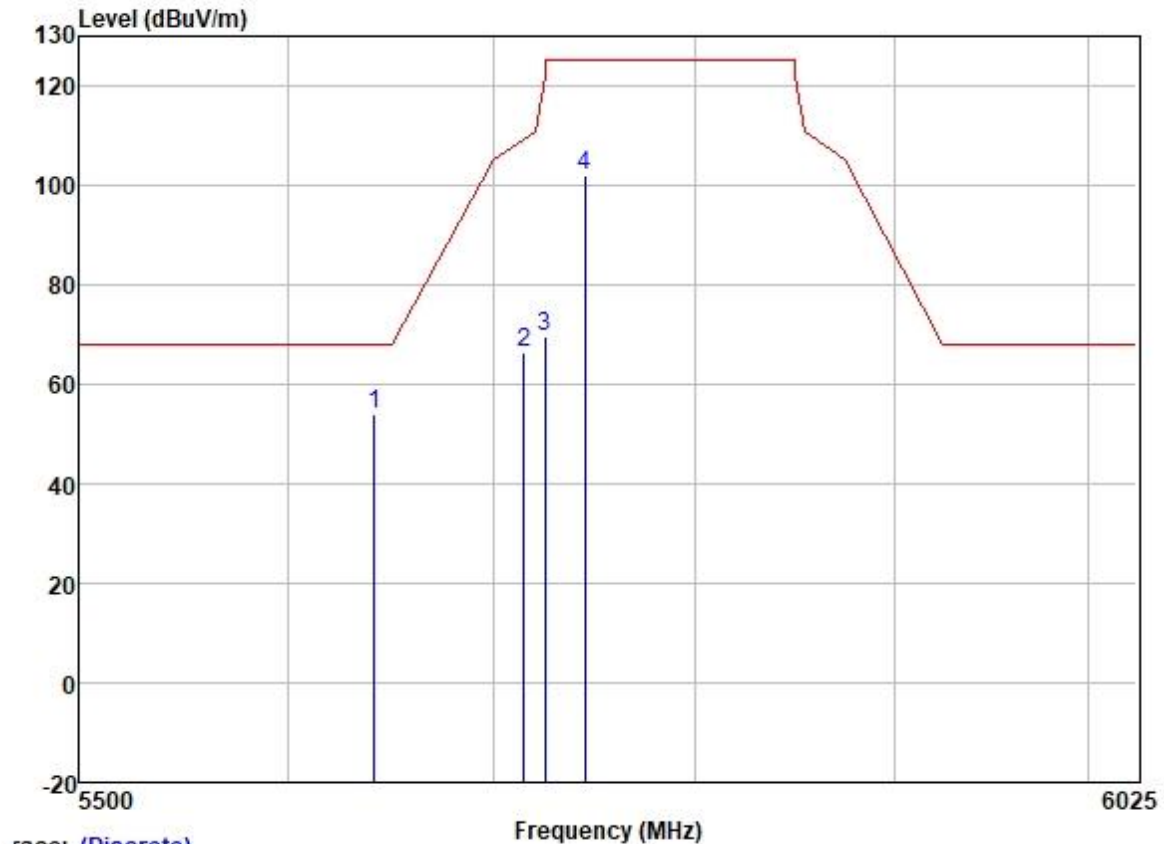
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	* 5700.000	101.46	32.01	6.40	36.89	102.98	68.20	34.78	VERTICAL	Peak
2	5725.000	63.38	32.07	6.25	36.89	64.81	68.20	-3.39	VERTICAL	Peak
3	5725.583	62.14	32.07	6.25	36.89	63.57	68.20	-4.63	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	5640.830	52.57	31.95	6.35	36.89	53.98	68.20	-14.22	HORIZONTAL	Peak
2	5715.000	70.07	32.04	6.33	36.89	71.55	109.40	-37.85	HORIZONTAL	Peak
3	5725.000	75.78	32.07	6.25	36.89	77.21	122.20	-44.99	HORIZONTAL	Peak
4	5745.000	107.08	32.10	6.20	36.89	108.49	125.20	-16.71	HORIZONTAL	Peak

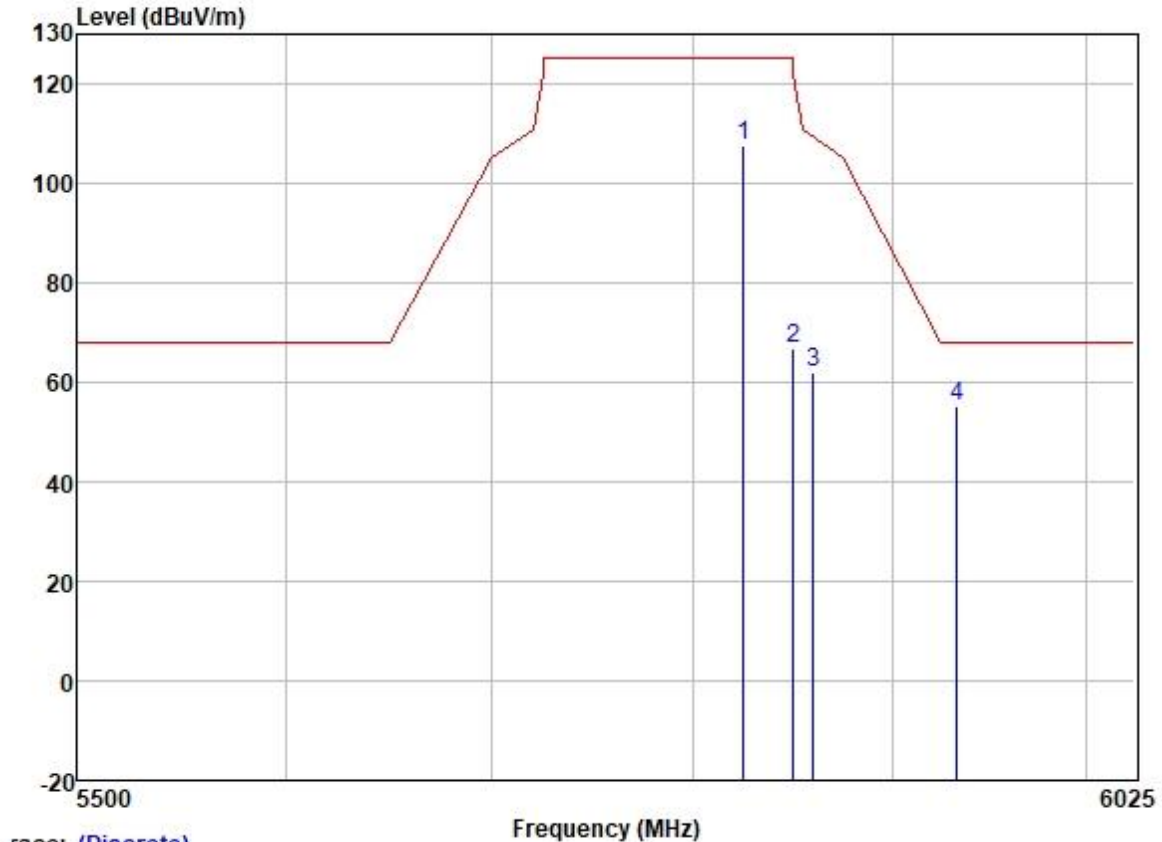
Test Mode: 13; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

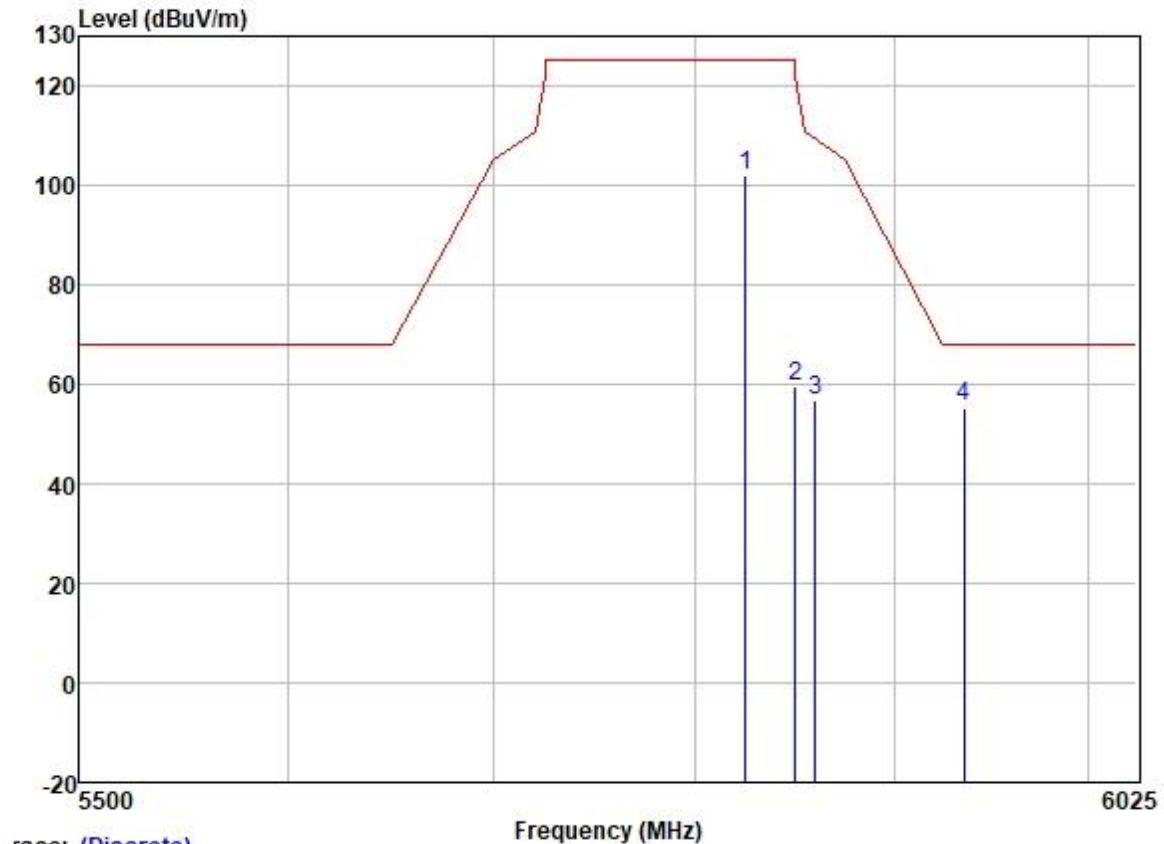
	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Limit Level	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5641.798	52.42	31.95	6.35	36.89	53.83	68.20	-14.37	VERTICAL Peak
2	5715.000	64.83	32.04	6.33	36.89	66.31	109.40	-43.09	VERTICAL Peak
3	5725.000	68.36	32.07	6.25	36.89	69.79	122.20	-52.41	VERTICAL Peak
4	5745.000	100.58	32.10	6.20	36.89	101.99	125.20	-23.21	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
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	5825.000	106.32	32.23	6.04	36.90	107.69	125.20	-17.51
2	5850.000	65.60	32.25	6.00	36.90	66.95	122.20	-55.25
3	5860.000	60.76	32.27	5.96	36.90	62.09	109.40	-47.31
4	5933.076	53.83	32.34	6.00	36.90	55.27	68.20	-12.93

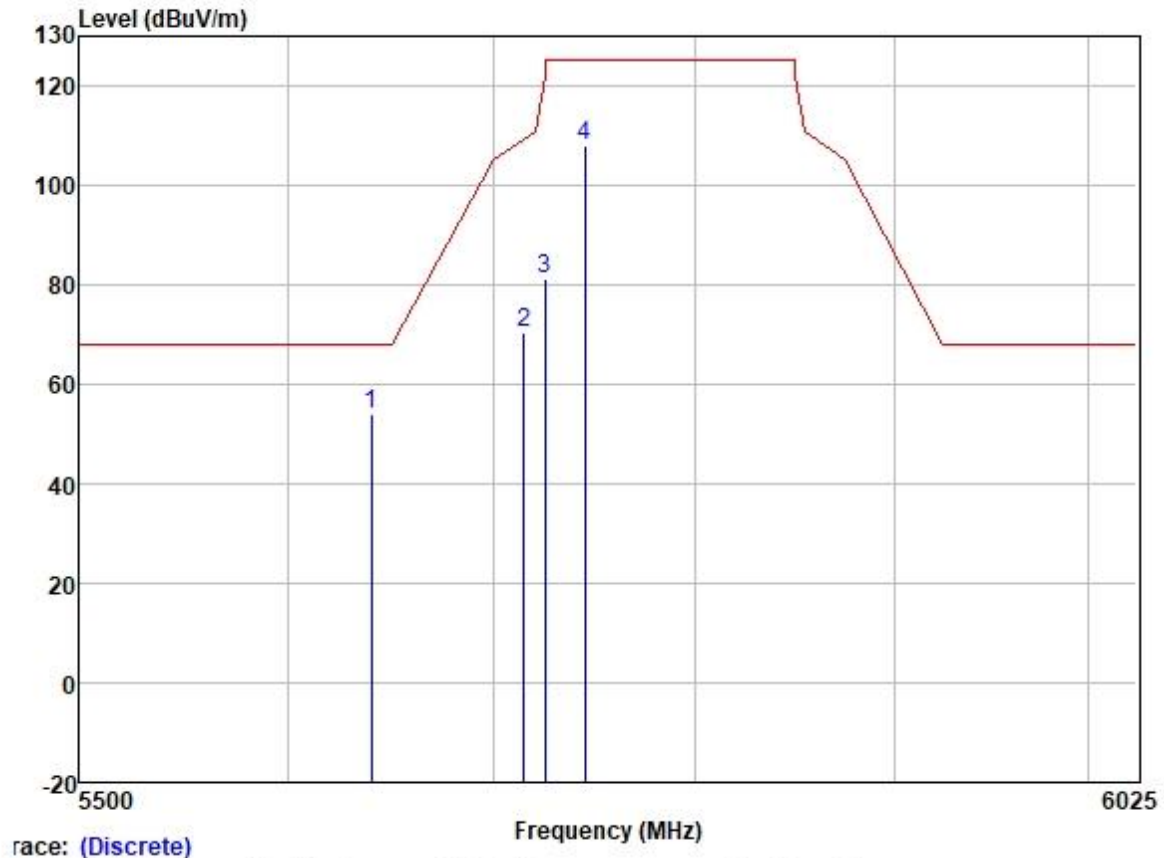
Test Mode: 13; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

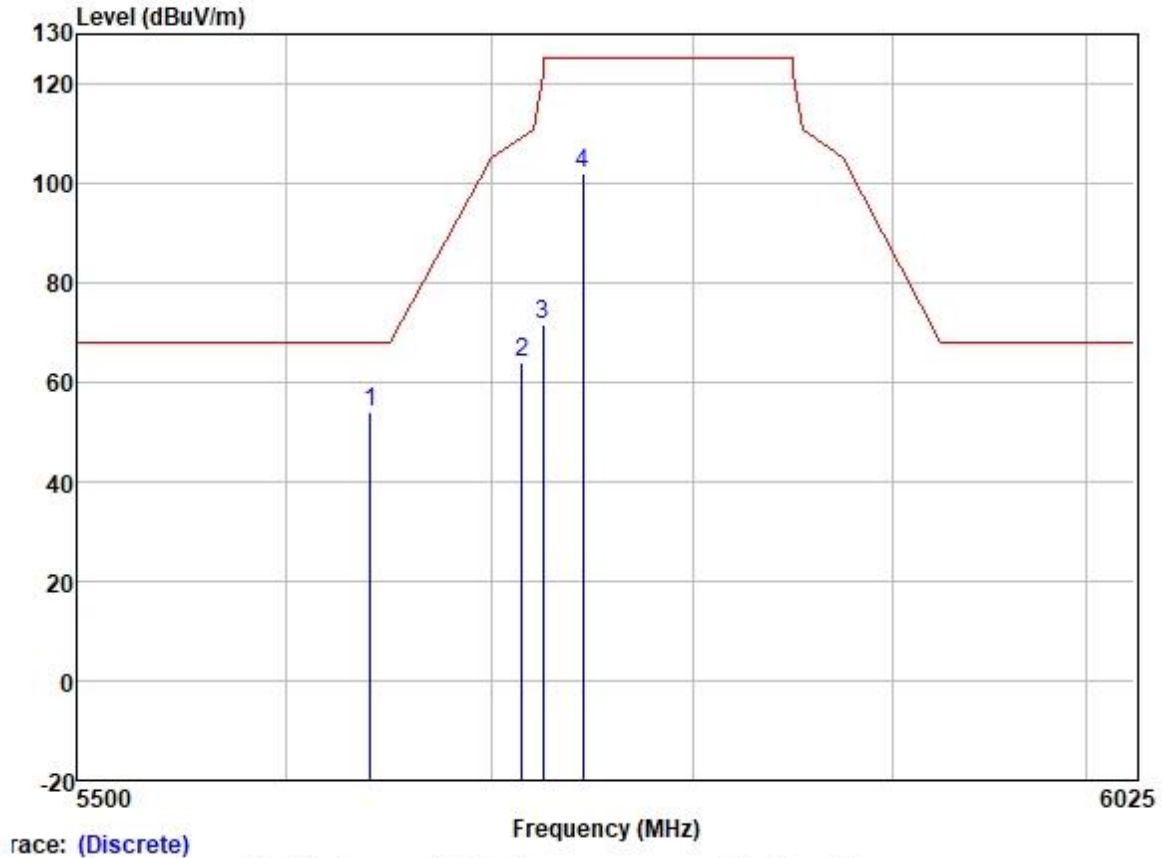
		Read	Antenna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5825.000	100.47	32.23	6.04	36.90	101.84	125.20	-23.36	VERTICAL	Peak
2	5850.000	58.37	32.25	6.00	36.90	59.72	122.20	-62.48	VERTICAL	Peak
3	5860.000	55.35	32.27	5.96	36.90	56.68	109.40	-52.72	VERTICAL	Peak
4	5935.897	53.96	32.34	6.00	36.90	55.40	68.20	-12.80	VERTICAL	Peak

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



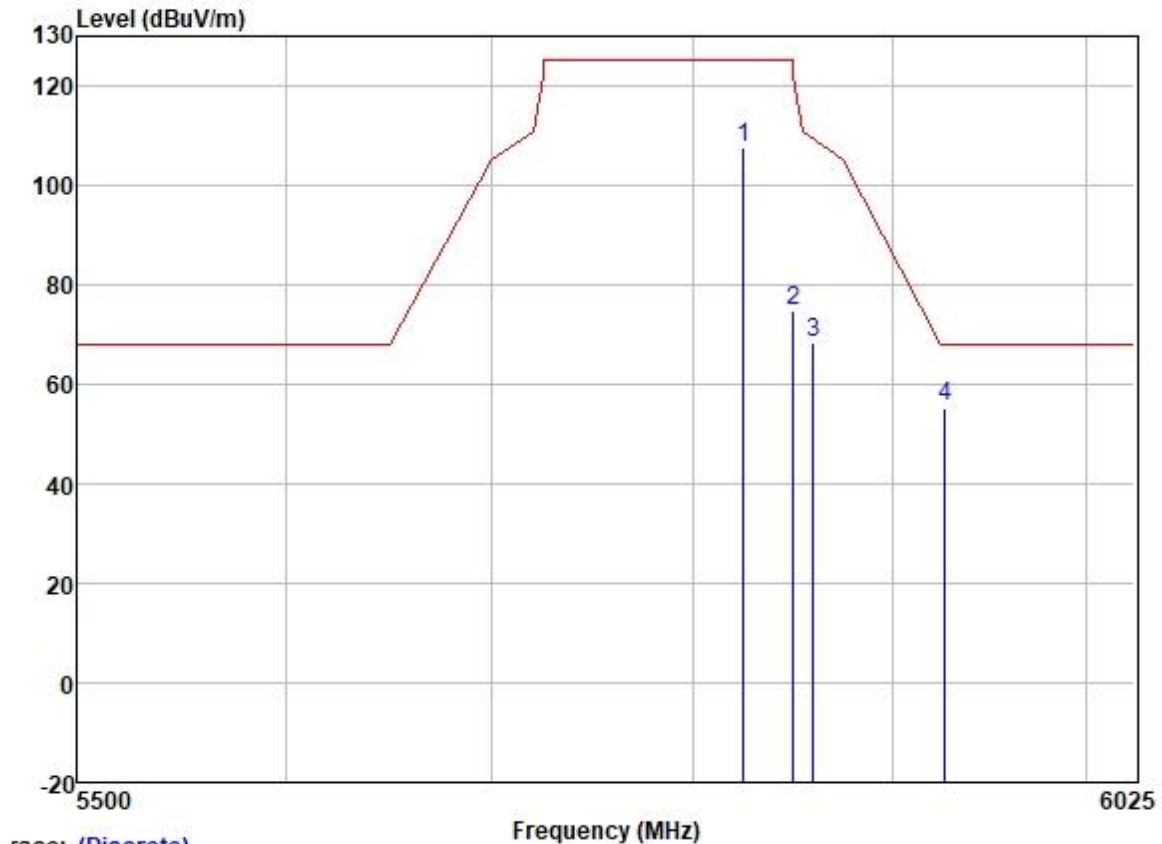
	Freq	ReadAntenna Level Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5640.000	52.54	31.93	6.33	36.89	53.91	68.20	-14.29	HORIZONTAL Peak
2	5715.000	69.00	32.04	6.33	36.89	70.48	109.40	-38.92	HORIZONTAL Peak
3	5725.000	79.63	32.07	6.25	36.89	81.06	122.20	-41.14	HORIZONTAL Peak
4	5745.000	106.66	32.10	6.20	36.89	108.07	125.20	-17.13	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	5640.553	52.44	31.95	6.35	36.89	53.85	68.20	-14.35	VERTICAL	Peak
2	5715.000	62.66	32.04	6.33	36.89	64.14	109.40	-45.26	VERTICAL	Peak
3	5725.000	70.30	32.07	6.25	36.89	71.73	122.20	-50.47	VERTICAL	Peak
4	5745.000	100.55	32.10	6.20	36.89	101.96	125.20	-23.24	VERTICAL	Peak

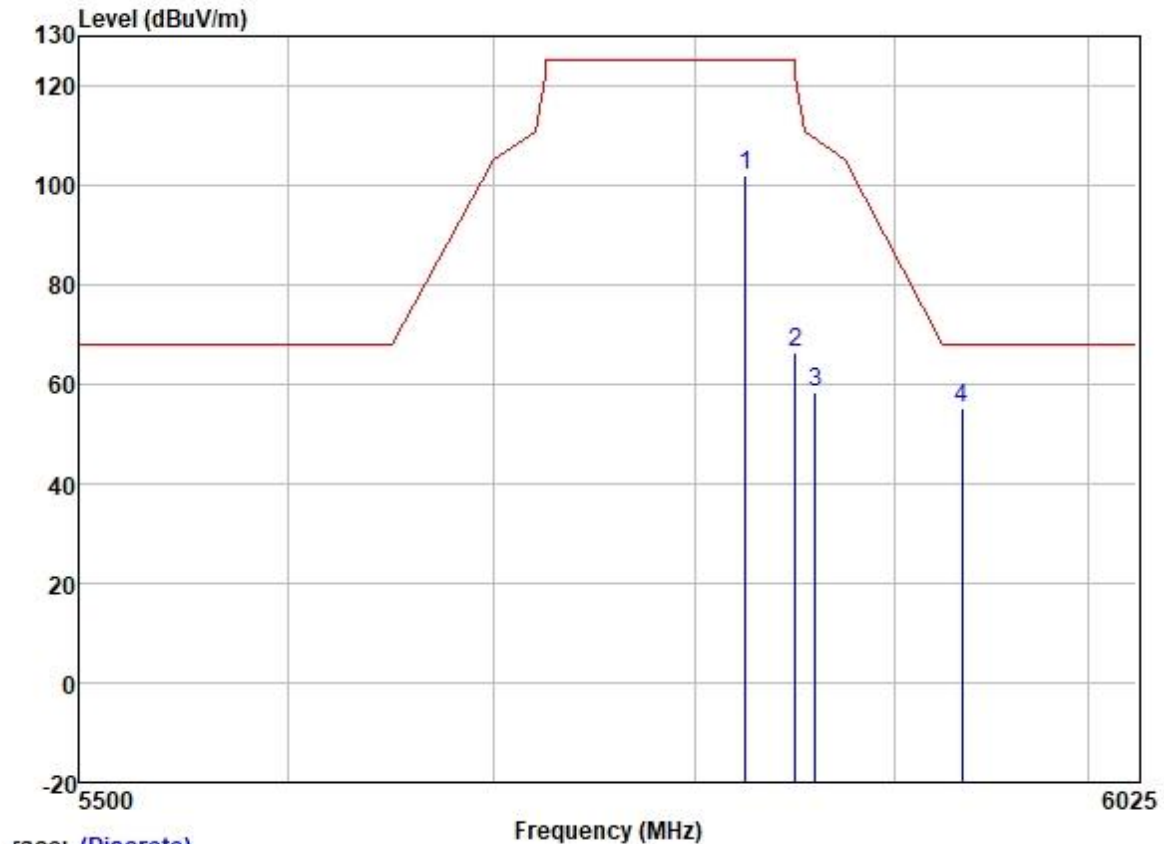
Test Mode: 13; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



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	106.11	32.23	6.04	36.90	107.48	125.20	-17.72	HORIZONTAL	Peak
2	5850.000	73.63	32.25	6.00	36.90	74.98	122.20	-47.22	HORIZONTAL	Peak
3	5860.000	67.15	32.27	5.96	36.90	68.48	109.40	-40.92	HORIZONTAL	Peak
4	5926.966	53.96	32.34	6.00	36.90	55.40	68.20	-12.80	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	100.82	32.23	6.04	36.90	102.19	125.20	-23.01	VERTICAL	Peak
2	5850.000	65.02	32.25	6.00	36.90	66.37	122.20	-55.83	VERTICAL	Peak
3	5860.000	57.04	32.27	5.96	36.90	58.37	109.40	-51.03	VERTICAL	Peak
4	5934.643	53.91	32.34	6.00	36.90	55.35	68.20	-12.85	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: 24.1 °C Humidity: 51.8 % RH Atmospheric Pressure: 1010 mbar

7.3.2 Test Mode Description

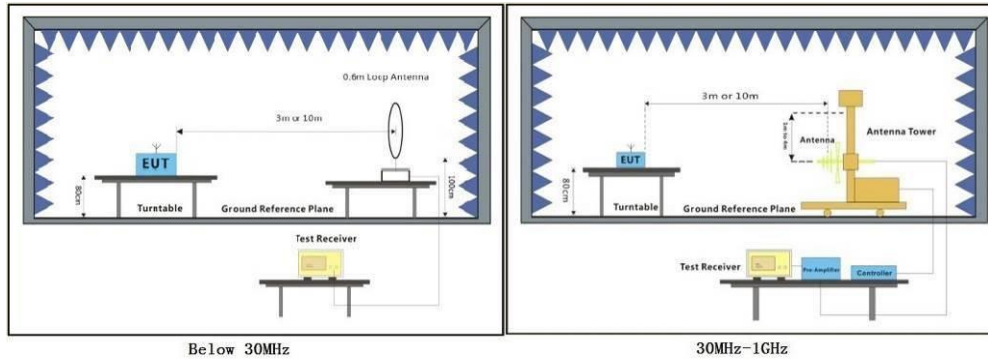
Pre-scan / Final test	Mode Code	Description
Final test	10	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types while EUT power supplied by adapter. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 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	TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types while EUT power supplied by adapter. 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	TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types while EUT power supplied by adapter. 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	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types while EUT power supplied by adapter. 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	14	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types while EUT power supplied by PoE. 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	15	TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types while EUT power supplied by PoE. 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	16	TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types while EUT power supplied by PoE. 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	17	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types while EUT power supplied by PoE. 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.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

7.3.3 Test Setup Diagram



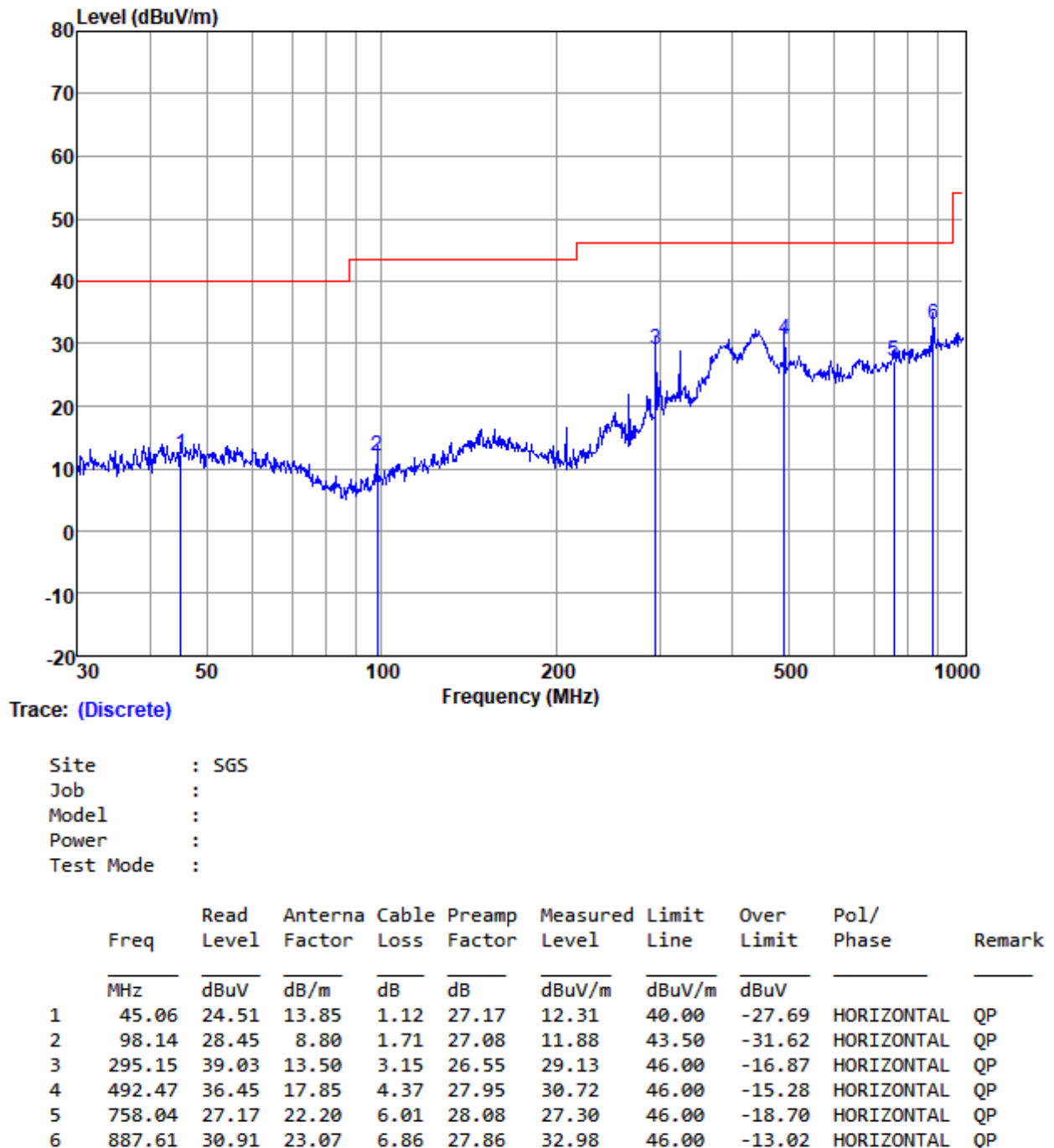
7.3.4 Measurement Procedure and Data

- 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.

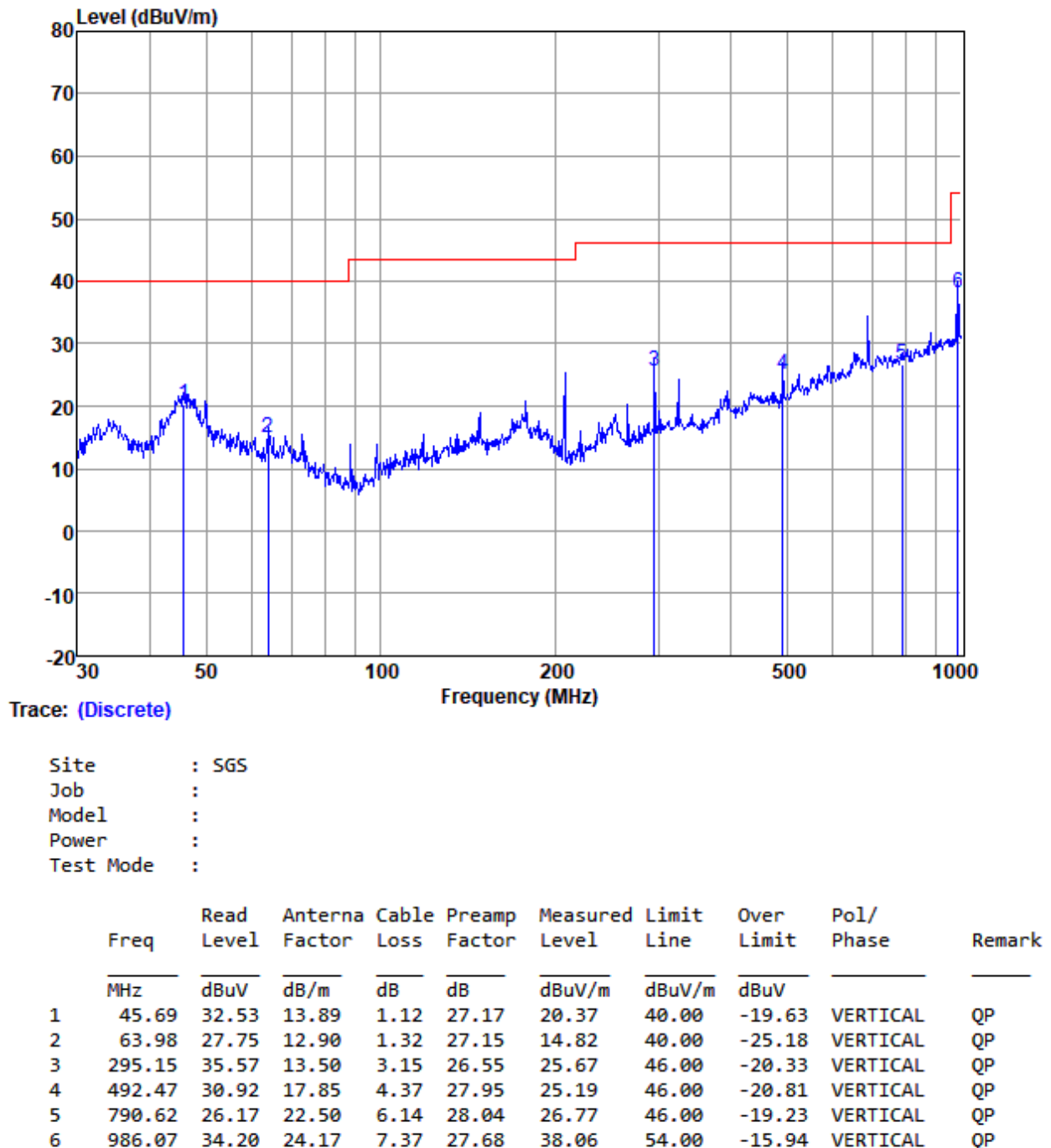
Remark:

- 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



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



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: 24.3 °C Humidity: 51.5 % RH Atmospheric Pressure: 1010 mbar

7.4.2 Test Mode Description

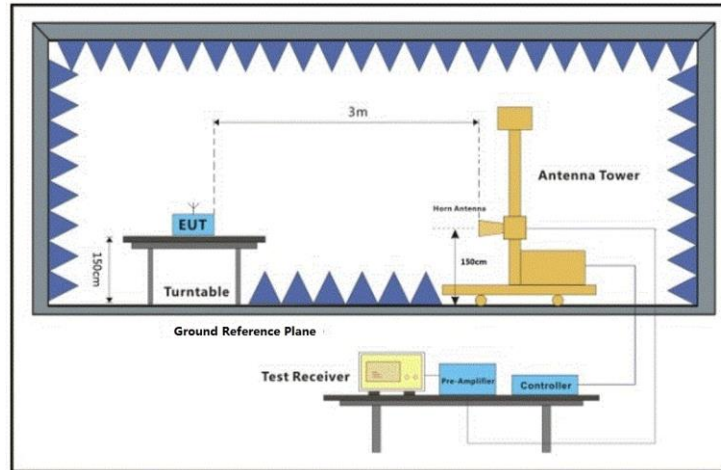
Pre-scan / Final test	Mode Code	Description
Final test	10	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types while EUT power supplied by adapter. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 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	TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types while EUT power supplied by adapter. 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	TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types while EUT power supplied by adapter. 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	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types while EUT power supplied by adapter. 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	14	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types while EUT power supplied by PoE. 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	15	TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types while EUT power supplied by PoE. 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	16	TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types while EUT power supplied by PoE. 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	17	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types while EUT power supplied by PoE. 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.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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

7.4.3 Test Setup Diagram



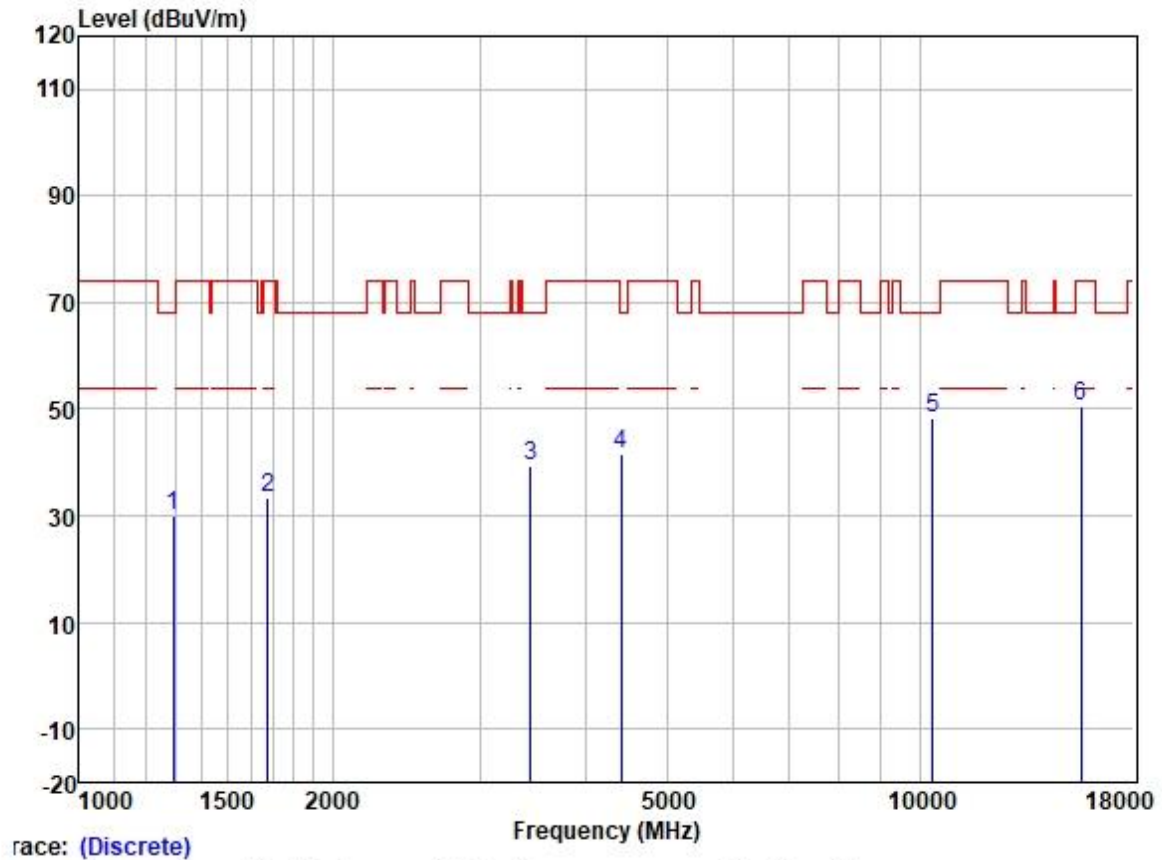
7.4.4 Measurement Procedure and Data

- 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:

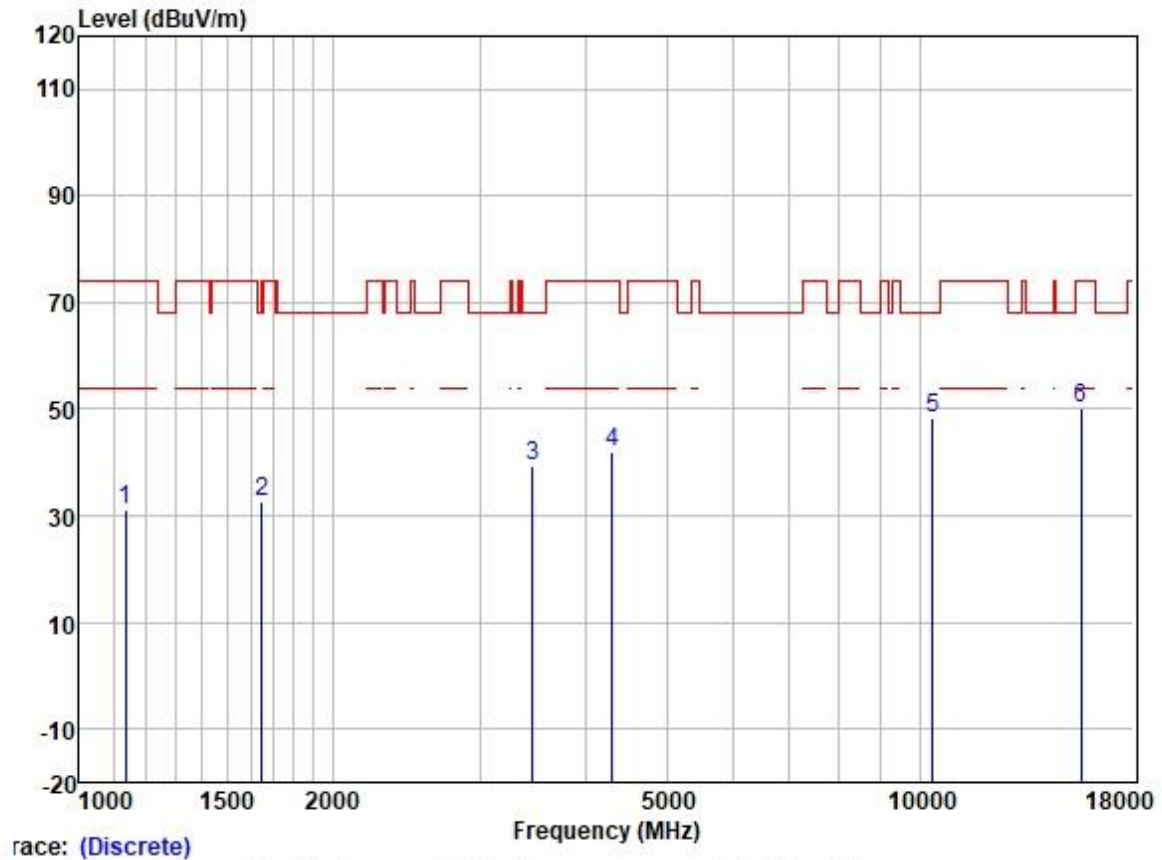
1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. Scan from 1GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from 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.

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



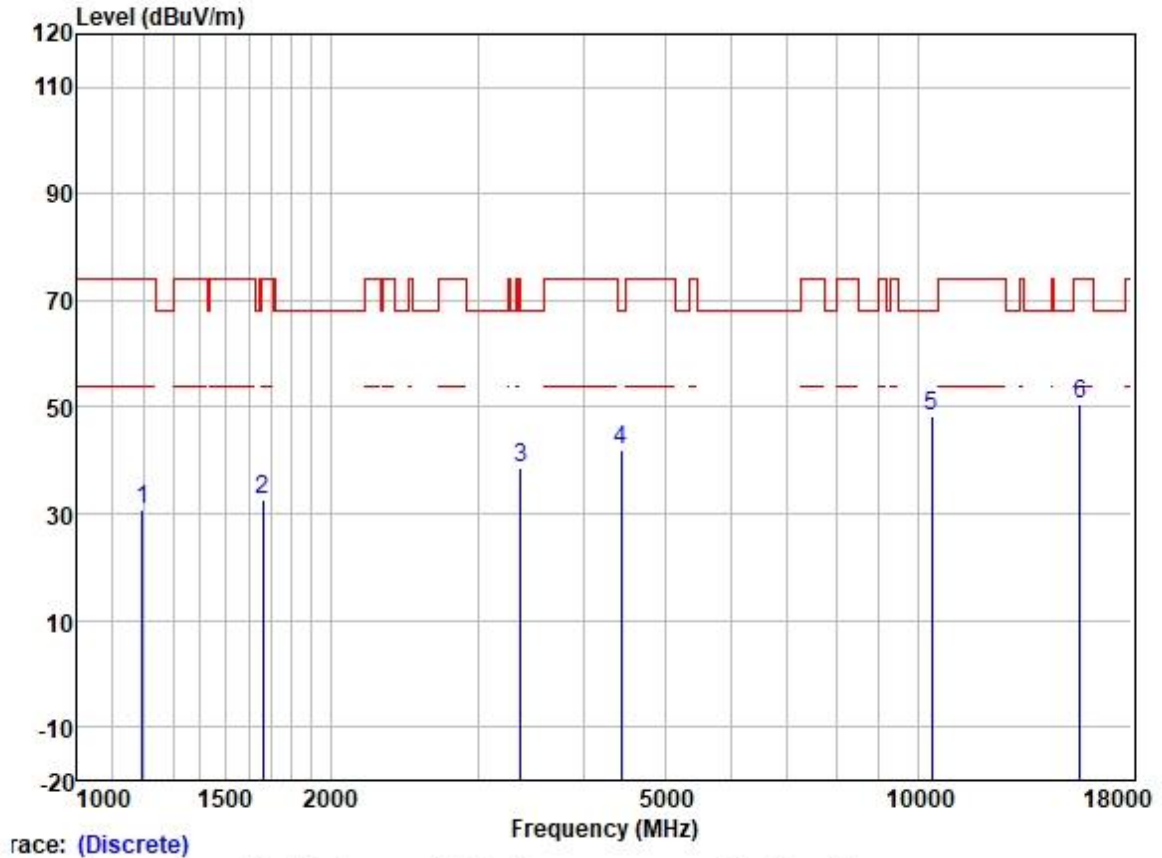
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1293.359	40.71	25.18	2.57	38.31	30.15	68.20	-38.05	HORIZONTAL	Peak
2	1677.621	42.83	25.68	2.80	37.91	33.40	74.00	-40.60	HORIZONTAL	Peak
3	3445.535	43.23	28.87	4.18	36.96	39.32	68.20	-28.88	HORIZONTAL	Peak
4	4417.841	43.06	30.70	4.74	36.81	41.69	68.20	-26.51	HORIZONTAL	Peak
5	10360.000	39.13	39.28	7.29	37.37	48.33	68.20	-19.87	HORIZONTAL	Peak
6	15540.000	37.07	39.05	9.88	35.39	50.61	74.00	-23.39	HORIZONTAL	Peak

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



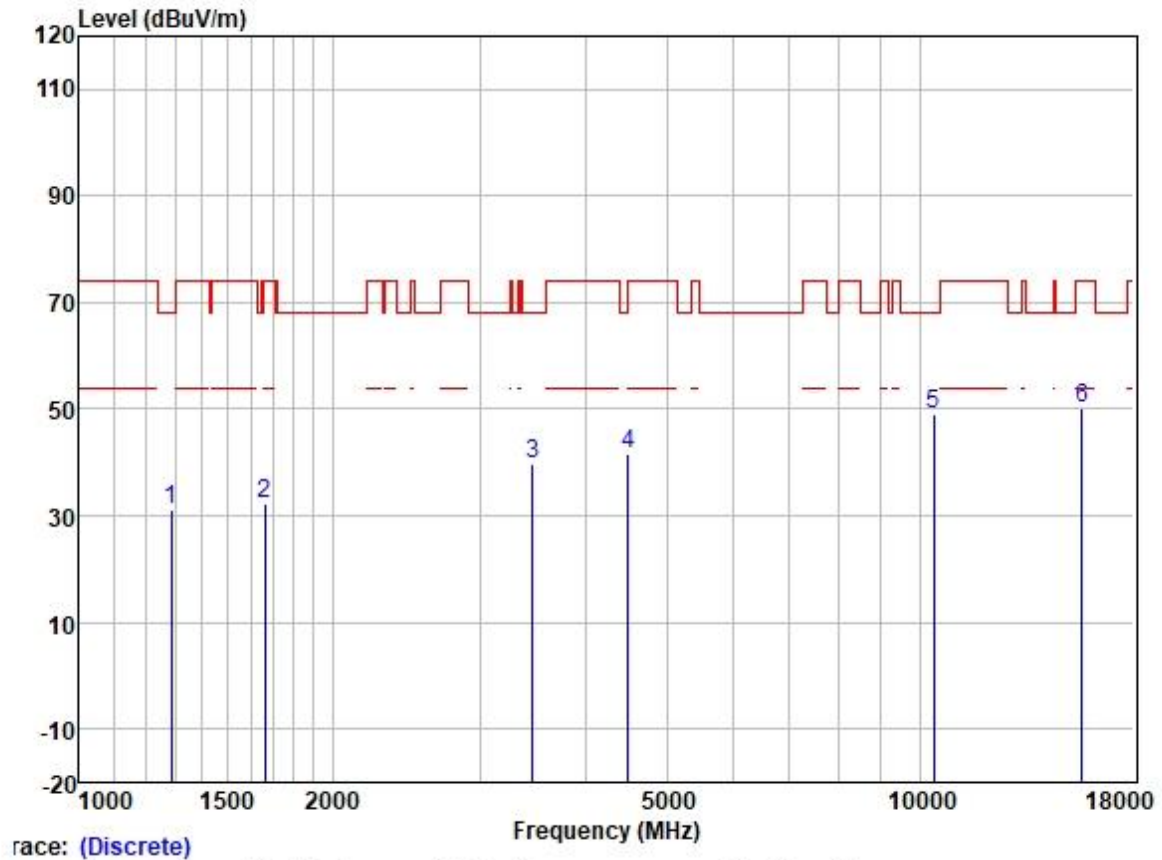
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1135.617	42.70	24.45	2.25	38.43	30.97	74.00	-43.03	VERTICAL	Peak
2	1648.778	42.03	25.63	2.80	37.93	32.53	68.20	-35.67	VERTICAL	Peak
3	3465.510	43.38	28.88	4.22	36.95	39.53	68.20	-28.67	VERTICAL	Peak
4	4304.400	43.76	30.48	4.65	36.81	42.08	74.00	-31.92	VERTICAL	Peak
5	10360.000	39.19	39.28	7.29	37.37	48.39	68.20	-19.81	VERTICAL	Peak
6	15540.000	36.48	39.05	9.88	35.39	50.02	74.00	-23.98	VERTICAL	Peak

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



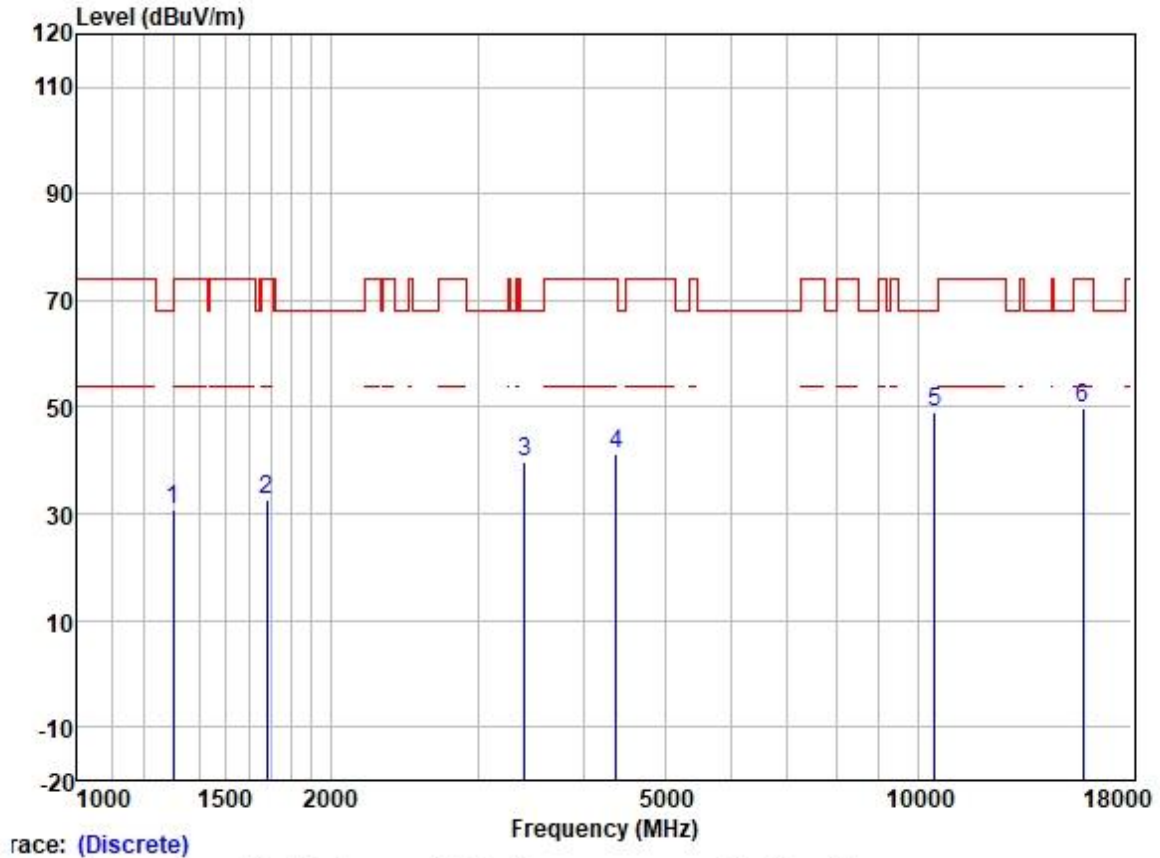
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1196.264	42.10	24.67	2.35	38.39	30.73	74.00	-43.27	HORIZONTAL	Peak
2	1663.137	42.17	25.65	2.80	37.91	32.71	74.00	-41.29	HORIZONTAL	Peak
3	3366.778	42.87	28.82	4.09	36.99	38.79	68.20	-29.41	HORIZONTAL	Peak
4	4443.453	43.22	30.73	4.83	36.81	41.97	68.20	-26.23	HORIZONTAL	Peak
5	10400.000	39.12	39.33	7.32	37.36	48.41	68.20	-19.79	HORIZONTAL	Peak
6	15600.000	37.00	38.99	9.88	35.39	50.48	74.00	-23.52	HORIZONTAL	Peak

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



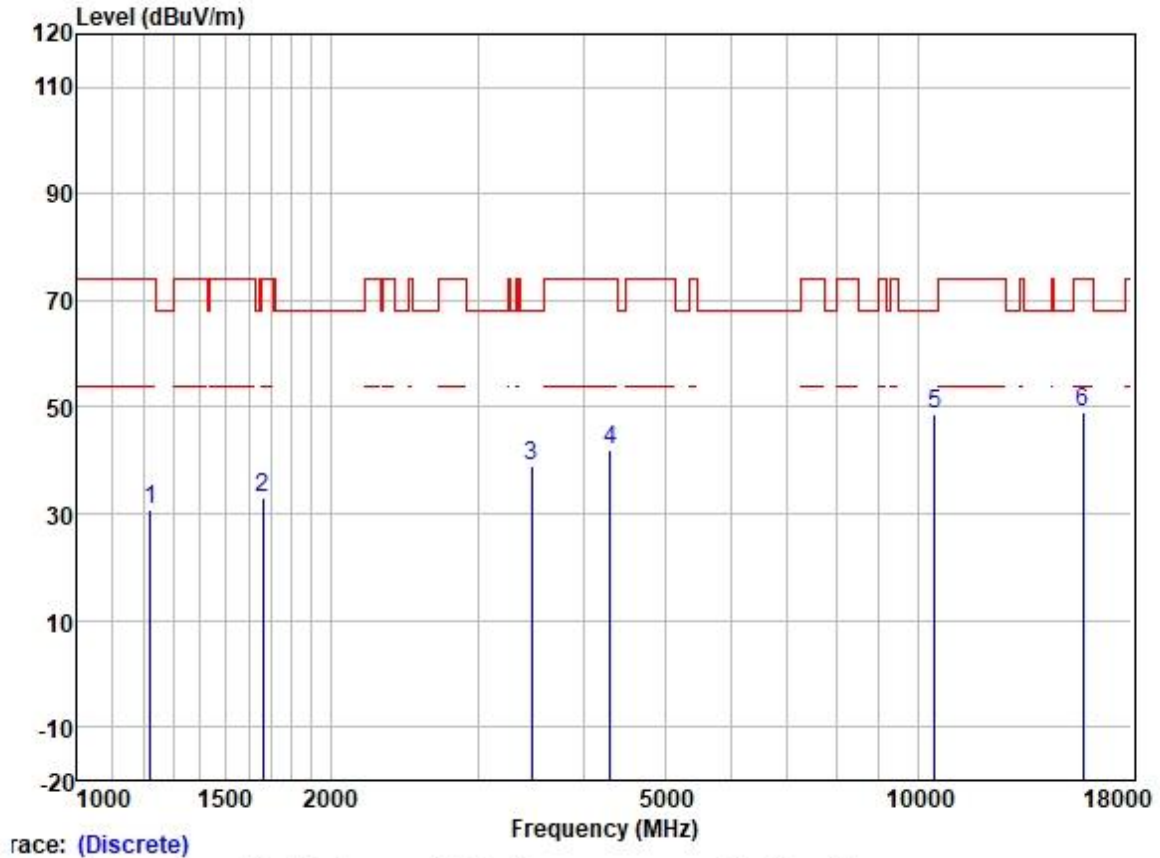
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1285.904	41.73	25.16	2.53	38.33	31.09	68.20	-37.11	VERTICAL	Peak
2	1663.137	41.68	25.65	2.80	37.91	32.22	74.00	-41.78	VERTICAL	Peak
3	3465.510	43.44	28.88	4.22	36.95	39.59	68.20	-28.61	VERTICAL	Peak
4	4495.125	42.74	30.80	5.05	36.82	41.77	68.20	-26.43	VERTICAL	Peak
5	10400.000	39.62	39.33	7.32	37.36	48.91	68.20	-19.29	VERTICAL	Peak
6	15600.000	36.77	38.99	9.88	35.39	50.25	74.00	-23.75	VERTICAL	Peak

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



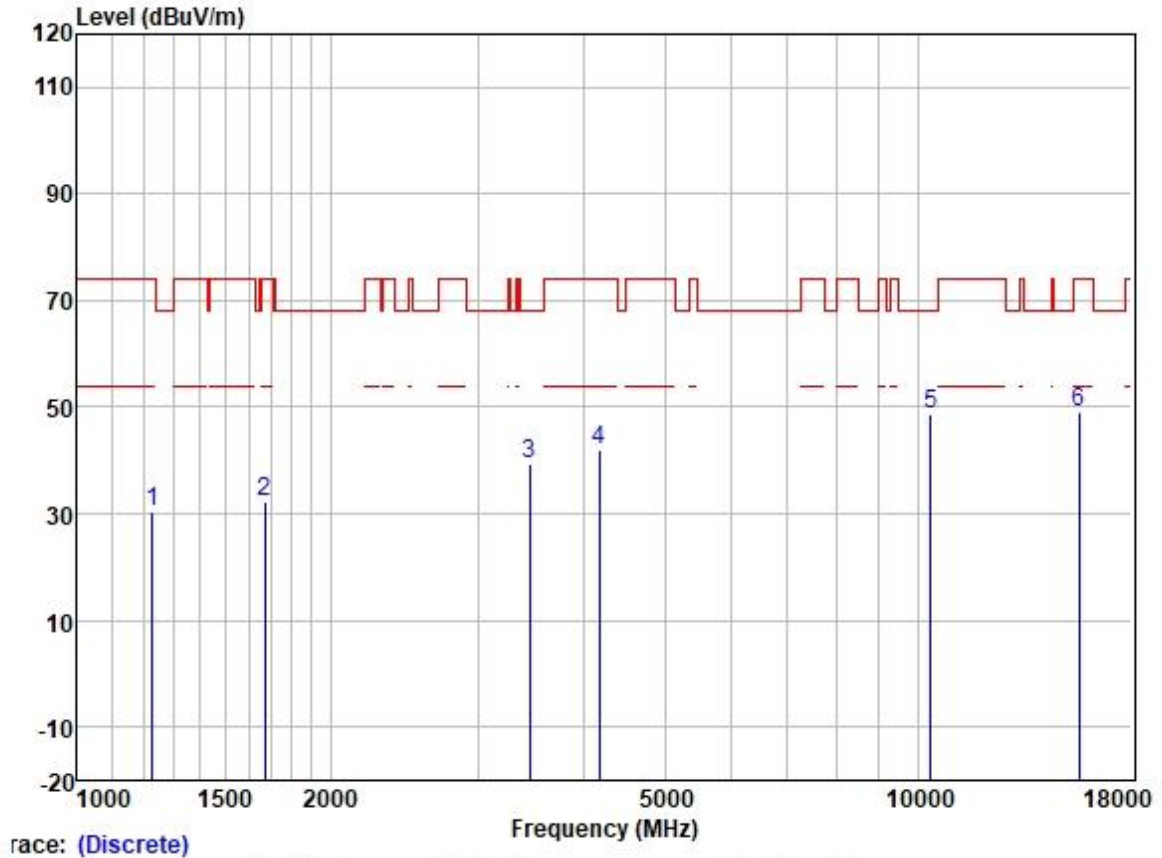
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1300.858	41.26	25.20	2.60	38.31	30.75	74.00	-43.25	HORIZONTAL	Peak
2	1682.477	42.25	25.68	2.80	37.91	32.82	74.00	-41.18	HORIZONTAL	Peak
3	3405.929	43.59	28.85	4.11	36.98	39.57	68.20	-28.63	HORIZONTAL	Peak
4	4379.699	42.56	30.64	4.69	36.81	41.08	74.00	-32.92	HORIZONTAL	Peak
5	10480.000	39.52	39.46	7.40	37.36	49.02	68.20	-19.18	HORIZONTAL	Peak
6	15720.000	36.67	38.78	9.87	35.39	49.93	74.00	-24.07	HORIZONTAL	Peak

Test Mode: 10; 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	1220.714	41.83	24.82	2.32	38.37	30.60	74.00	-43.40	VERTICAL	Peak
2	1663.137	42.39	25.65	2.80	37.91	32.93	74.00	-41.07	VERTICAL	Peak
3	3475.541	42.84	28.89	4.25	36.95	39.03	68.20	-29.17	VERTICAL	Peak
4	4304.400	43.57	30.48	4.65	36.81	41.89	74.00	-32.11	VERTICAL	Peak
5	10480.000	39.11	39.46	7.40	37.36	48.61	68.20	-19.59	VERTICAL	Peak
6	15720.000	35.69	38.78	9.87	35.39	48.95	74.00	-25.05	VERTICAL	Peak

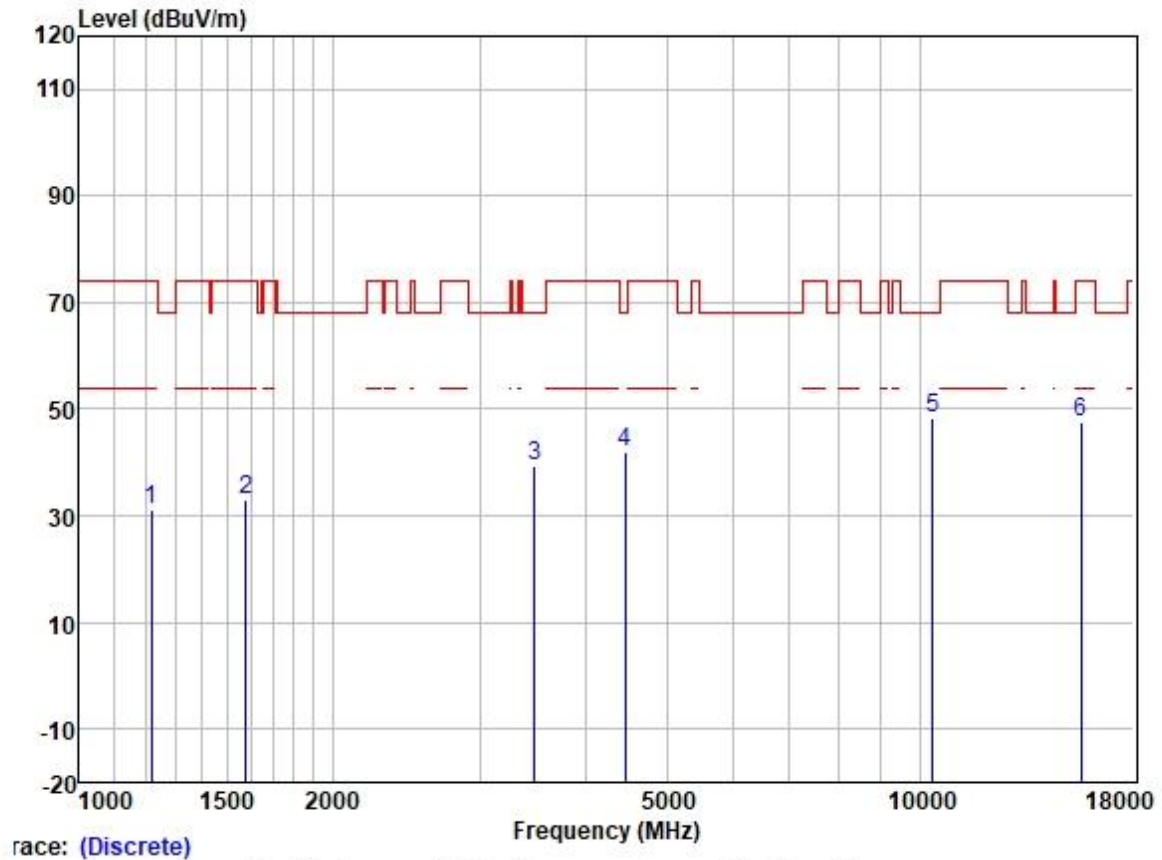
Test Mode: 10; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

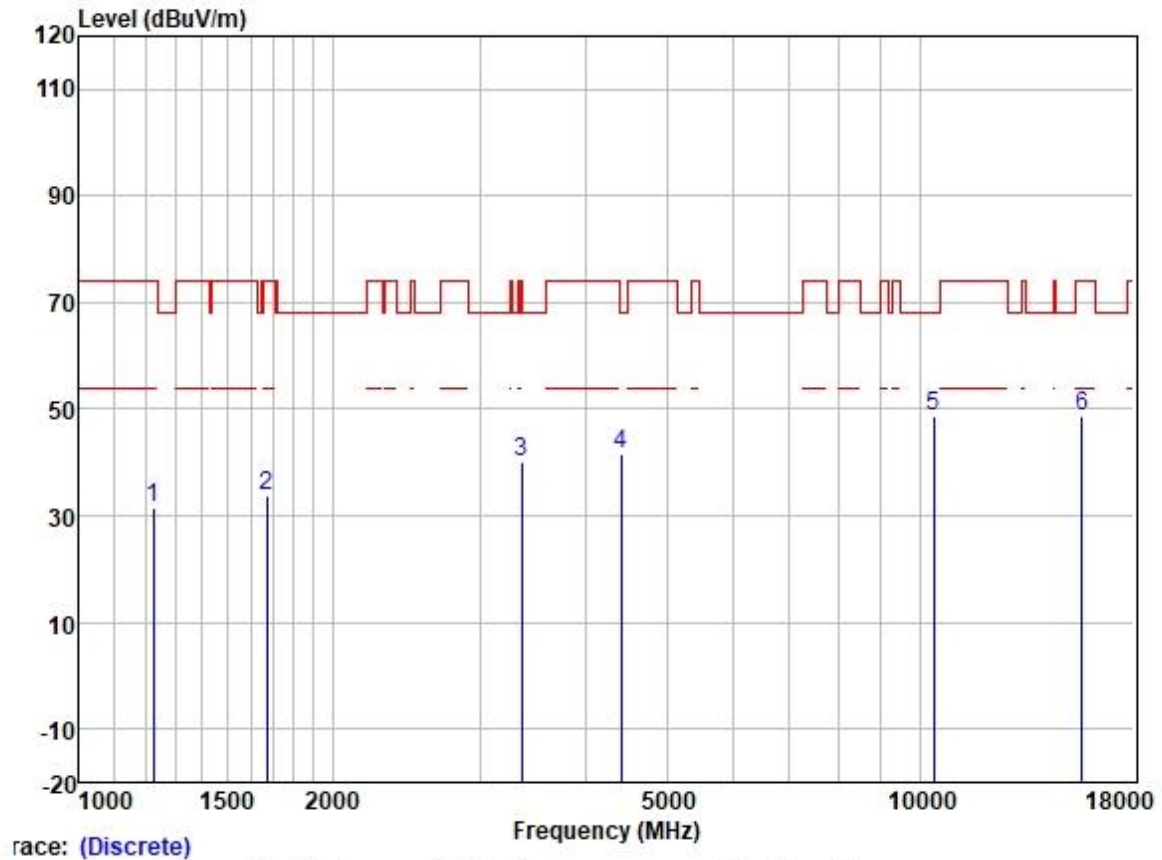
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1227.791	41.57	24.88	2.31	38.37	30.39	74.00	-43.61	HORIZONTAL	Peak
2	1672.779	41.89	25.67	2.80	37.91	32.45	74.00	-41.55	HORIZONTAL	Peak
3	3455.508	43.42	28.88	4.20	36.96	39.54	68.20	-28.66	HORIZONTAL	Peak
4	4181.768	43.88	30.12	4.60	36.80	41.80	74.00	-32.20	HORIZONTAL	Peak
5	10360.000	39.53	39.28	7.29	37.37	48.73	68.20	-19.47	HORIZONTAL	Peak
6	15540.000	35.43	39.05	9.88	35.39	48.97	74.00	-25.03	HORIZONTAL	Peak

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



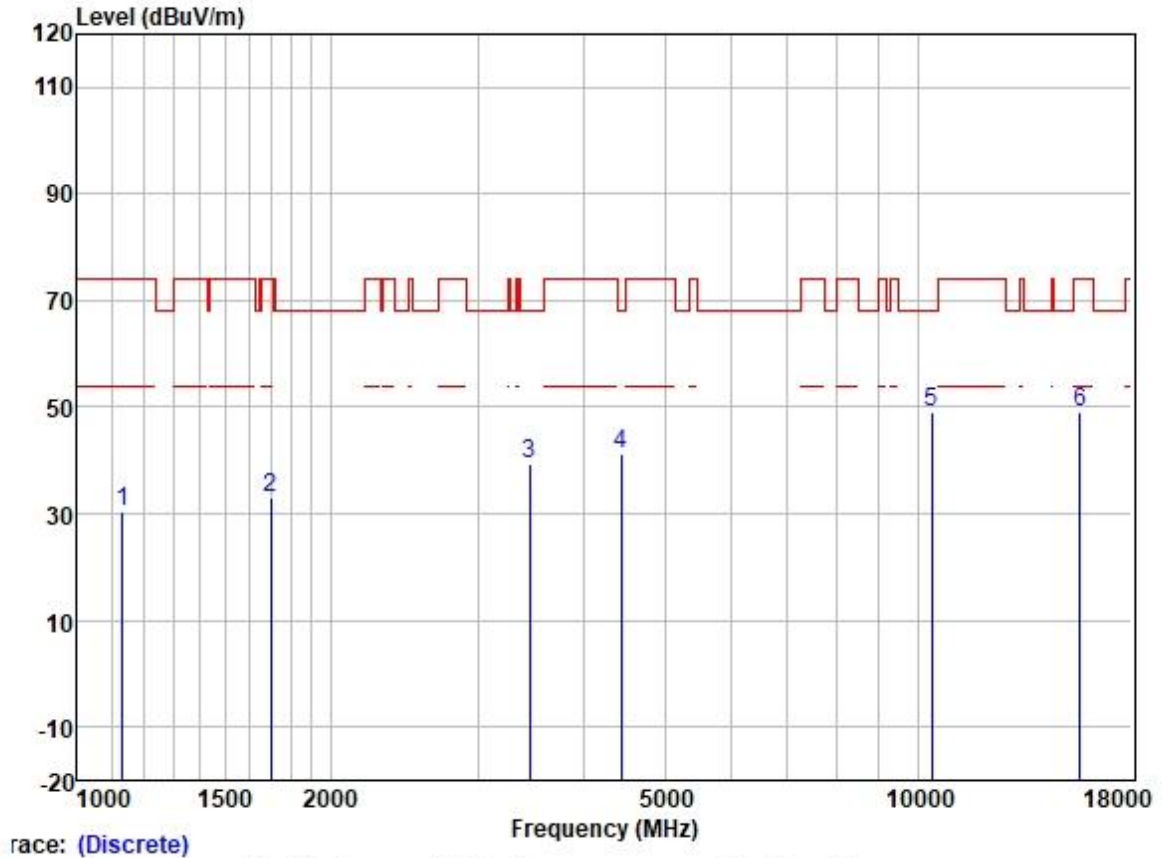
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1217.190	42.47	24.79	2.32	38.37	31.21	74.00	-42.79	VERTICAL	Peak
2	1578.822	42.83	25.56	2.80	38.00	33.19	74.00	-40.81	VERTICAL	Peak
3	3485.601	43.29	28.89	4.27	36.95	39.50	68.20	-28.70	VERTICAL	Peak
4	4456.315	43.26	30.75	4.88	36.81	42.08	68.20	-26.12	VERTICAL	Peak
5	10360.000	38.99	39.28	7.29	37.37	48.19	68.20	-20.01	VERTICAL	Peak
6	15540.000	34.05	39.05	9.88	35.39	47.59	74.00	-26.41	VERTICAL	Peak

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



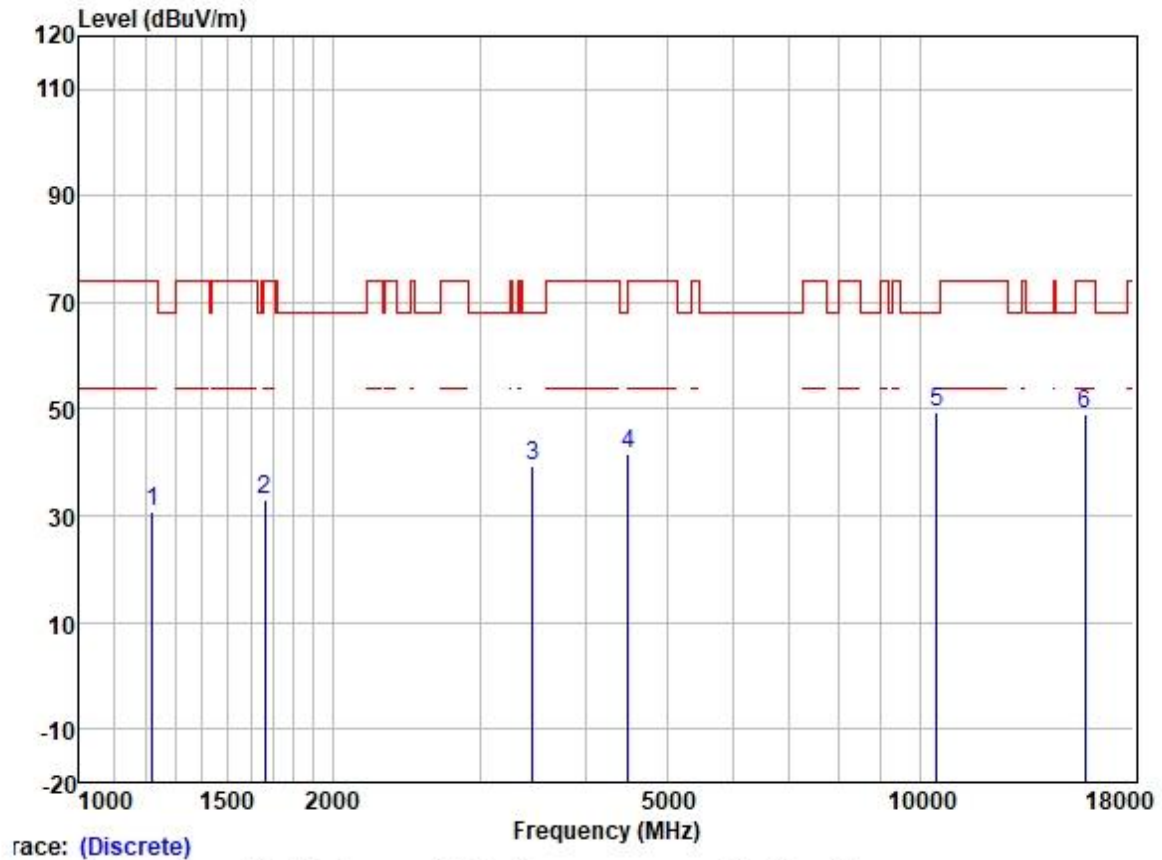
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1224.247	42.76	24.85	2.31	38.37	31.55	74.00	-42.45	HORIZONTAL	Peak
2	1672.779	43.09	25.67	2.80	37.91	33.65	74.00	-40.35	HORIZONTAL	Peak
3	3357.061	44.12	28.81	4.09	37.01	40.01	74.00	-33.99	HORIZONTAL	Peak
4	4417.841	42.90	30.70	4.74	36.81	41.53	68.20	-26.67	HORIZONTAL	Peak
5	10400.000	39.39	39.33	7.32	37.36	48.68	68.20	-19.52	HORIZONTAL	Peak
6	15600.000	35.05	38.99	9.88	35.39	48.53	74.00	-25.47	HORIZONTAL	Peak

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



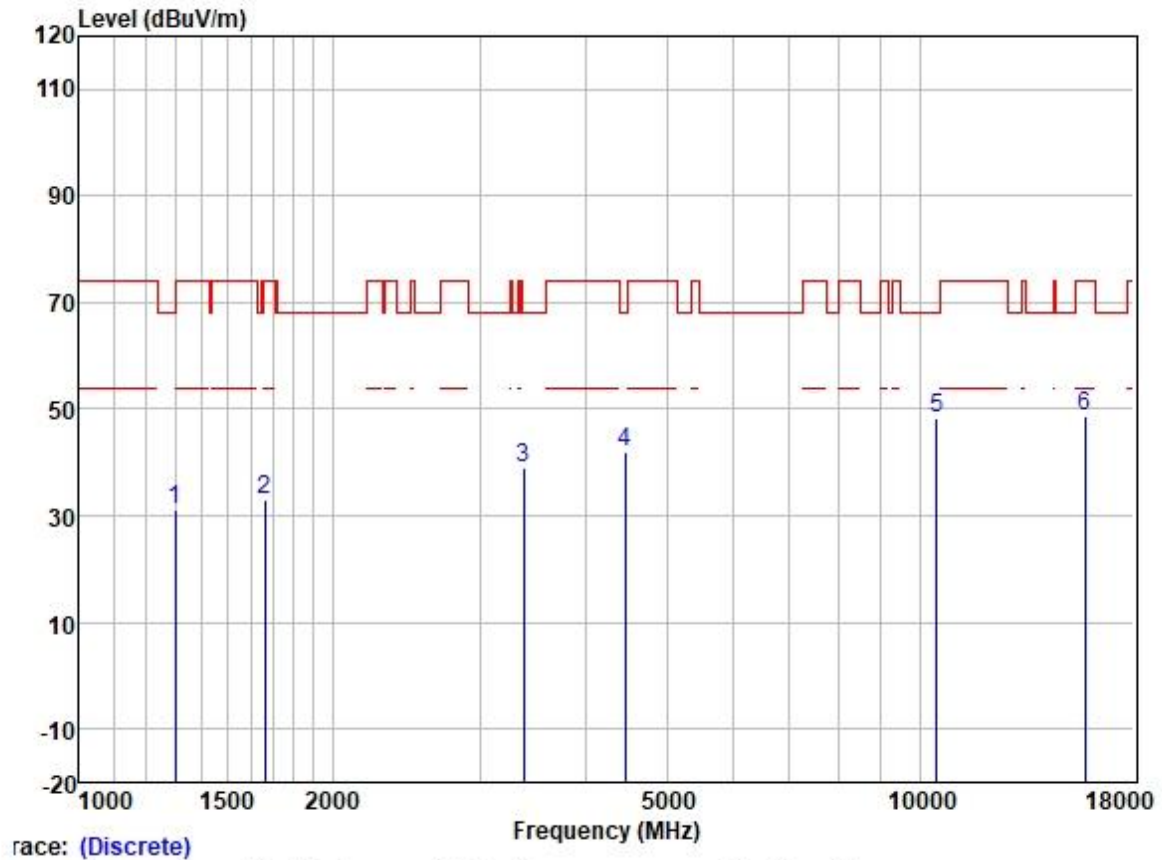
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1132.340	42.20	24.44	2.22	38.43	30.43	74.00	-43.57	VERTICAL	Peak
2	1697.129	42.30	25.71	2.80	37.89	32.92	74.00	-41.08	VERTICAL	Peak
3	3455.508	43.11	28.88	4.20	36.96	39.23	68.20	-28.97	VERTICAL	Peak
4	4443.453	42.60	30.73	4.83	36.81	41.35	68.20	-26.85	VERTICAL	Peak
5	10400.000	39.71	39.33	7.32	37.36	49.00	68.20	-19.20	VERTICAL	Peak
6	15600.000	35.60	38.99	9.88	35.39	49.08	74.00	-24.92	VERTICAL	Peak

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



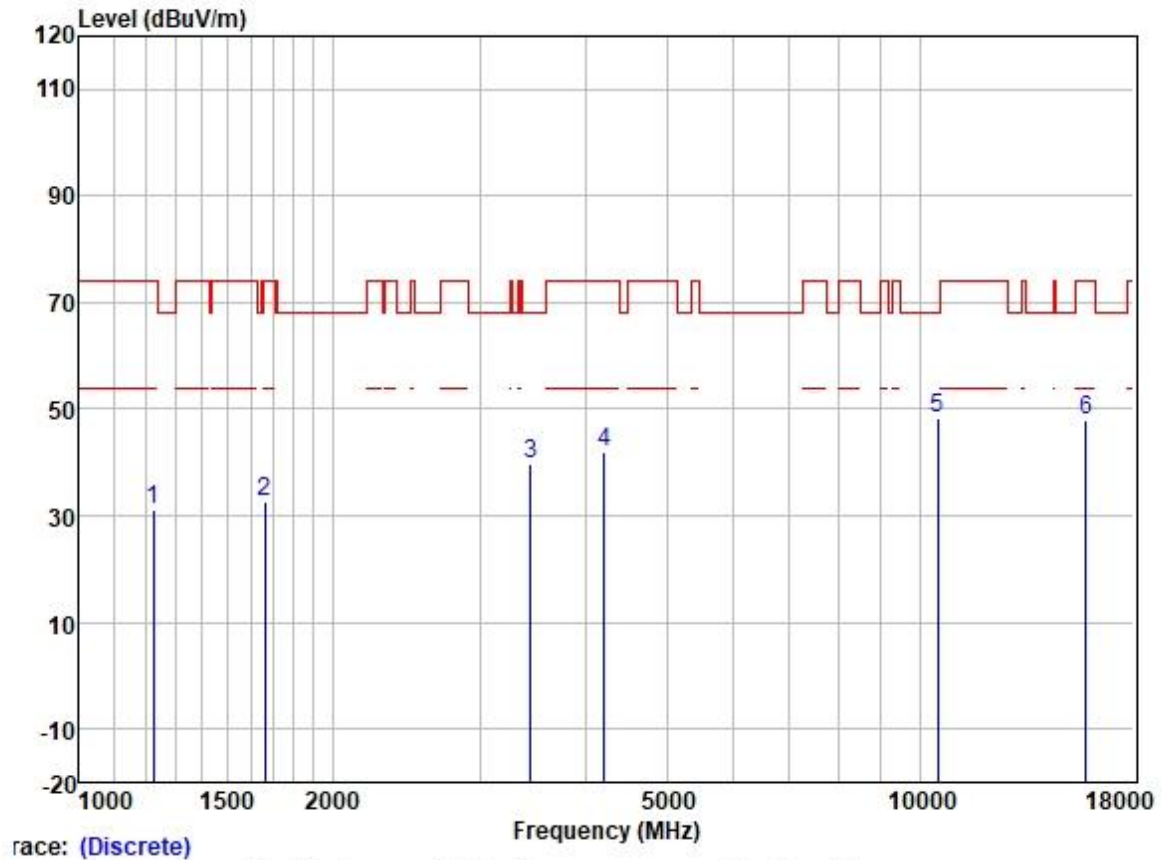
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1220.714	41.84	24.82	2.32	38.37	30.61	74.00	-43.39	HORIZONTAL	Peak
2	1663.137	42.32	25.65	2.80	37.91	32.86	74.00	-41.14	HORIZONTAL	Peak
3	3465.510	43.32	28.88	4.22	36.95	39.47	68.20	-28.73	HORIZONTAL	Peak
4	4495.125	42.66	30.80	5.05	36.82	41.69	68.20	-26.51	HORIZONTAL	Peak
5	10480.000	39.80	39.46	7.40	37.36	49.30	68.20	-18.90	HORIZONTAL	Peak
6	15720.000	35.68	38.78	9.87	35.39	48.94	74.00	-25.06	HORIZONTAL	Peak

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



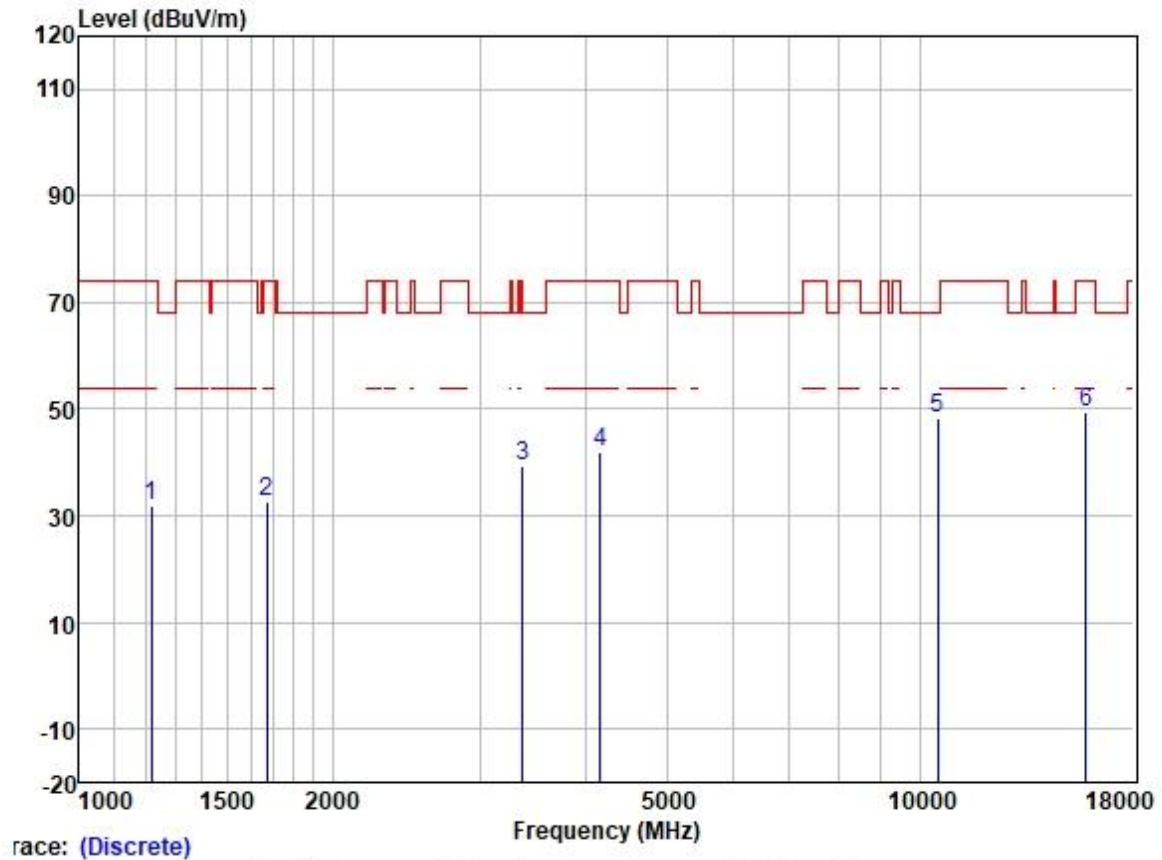
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1300.858	41.67	25.20	2.60	38.31	31.16	74.00	-42.84	VERTICAL	Peak
2	1663.137	42.42	25.65	2.80	37.91	32.96	74.00	-41.04	VERTICAL	Peak
3	3376.523	42.98	28.83	4.09	36.99	38.91	68.20	-29.29	VERTICAL	Peak
4	4456.315	43.25	30.75	4.88	36.81	42.07	68.20	-26.13	VERTICAL	Peak
5	10480.000	38.94	39.46	7.40	37.36	48.44	68.20	-19.76	VERTICAL	Peak
6	15720.000	35.46	38.78	9.87	35.39	48.72	74.00	-25.28	VERTICAL	Peak

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



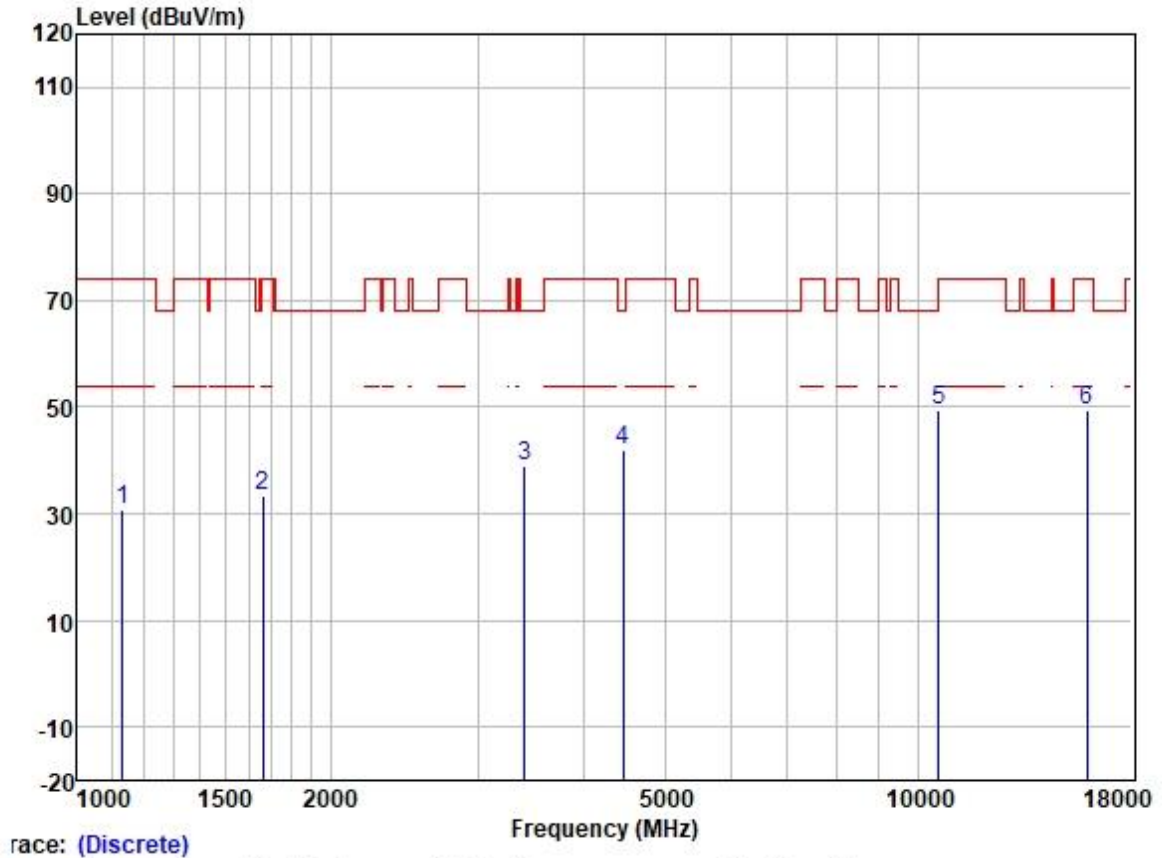
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1224.247	42.21	24.85	2.31	38.37	31.00	74.00	-43.00	HORIZONTAL	Peak
2	1663.137	42.14	25.65	2.80	37.91	32.68	74.00	-41.32	HORIZONTAL	Peak
3	3445.535	43.57	28.87	4.18	36.96	39.66	68.20	-28.54	HORIZONTAL	Peak
4	4218.186	43.78	30.22	4.60	36.81	41.79	74.00	-32.21	HORIZONTAL	Peak
5	10520.000	38.67	39.50	7.42	37.35	48.24	68.20	-19.96	HORIZONTAL	Peak
6	15780.000	34.61	38.70	9.86	35.39	47.78	74.00	-26.22	HORIZONTAL	Peak

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



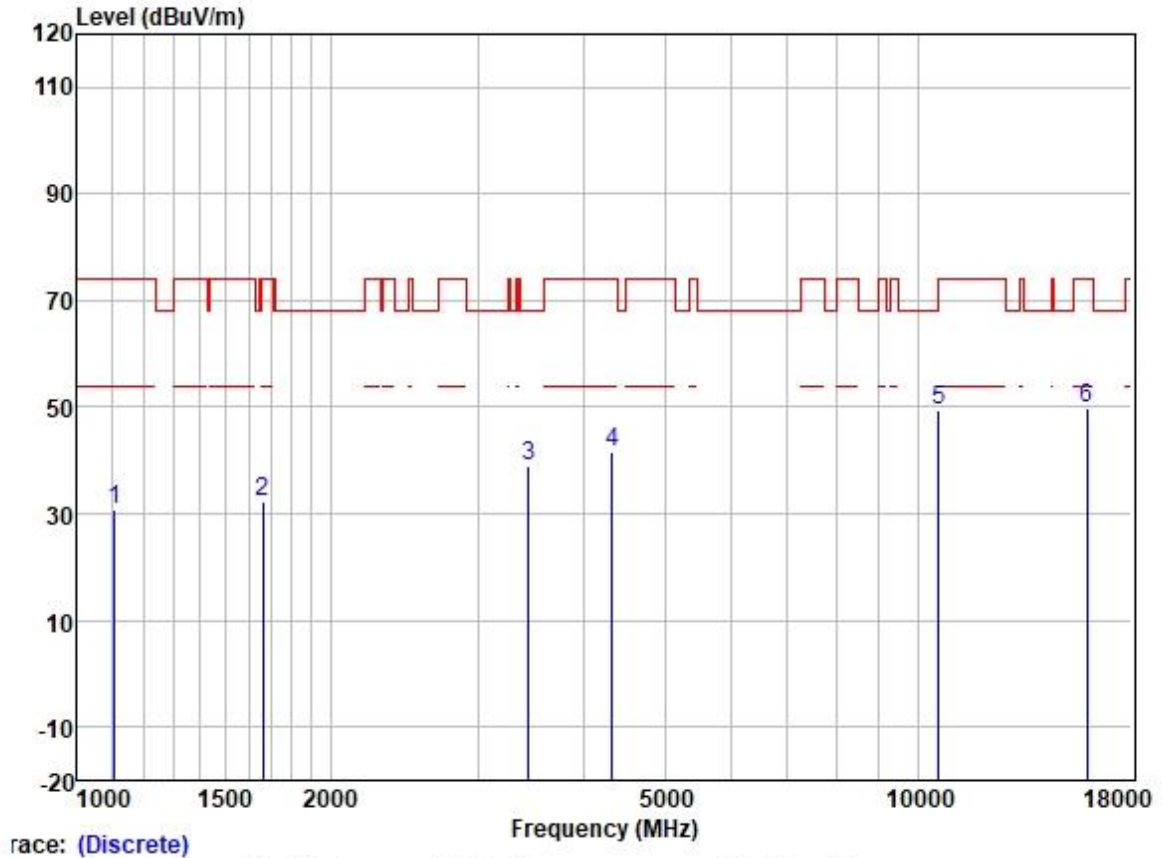
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1217.190	43.31	24.79	2.32	38.37	32.05	74.00	-41.95	VERTICAL	Peak
2	1672.779	42.13	25.67	2.80	37.91	32.69	74.00	-41.31	VERTICAL	Peak
3	3366.778	43.33	28.82	4.09	36.99	39.25	68.20	-28.95	VERTICAL	Peak
4	4169.698	43.96	30.09	4.60	36.80	41.85	74.00	-32.15	VERTICAL	Peak
5	10520.000	38.83	39.50	7.42	37.35	48.40	68.20	-19.80	VERTICAL	Peak
6	15780.000	36.40	38.70	9.86	35.39	49.57	74.00	-24.43	VERTICAL	Peak

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



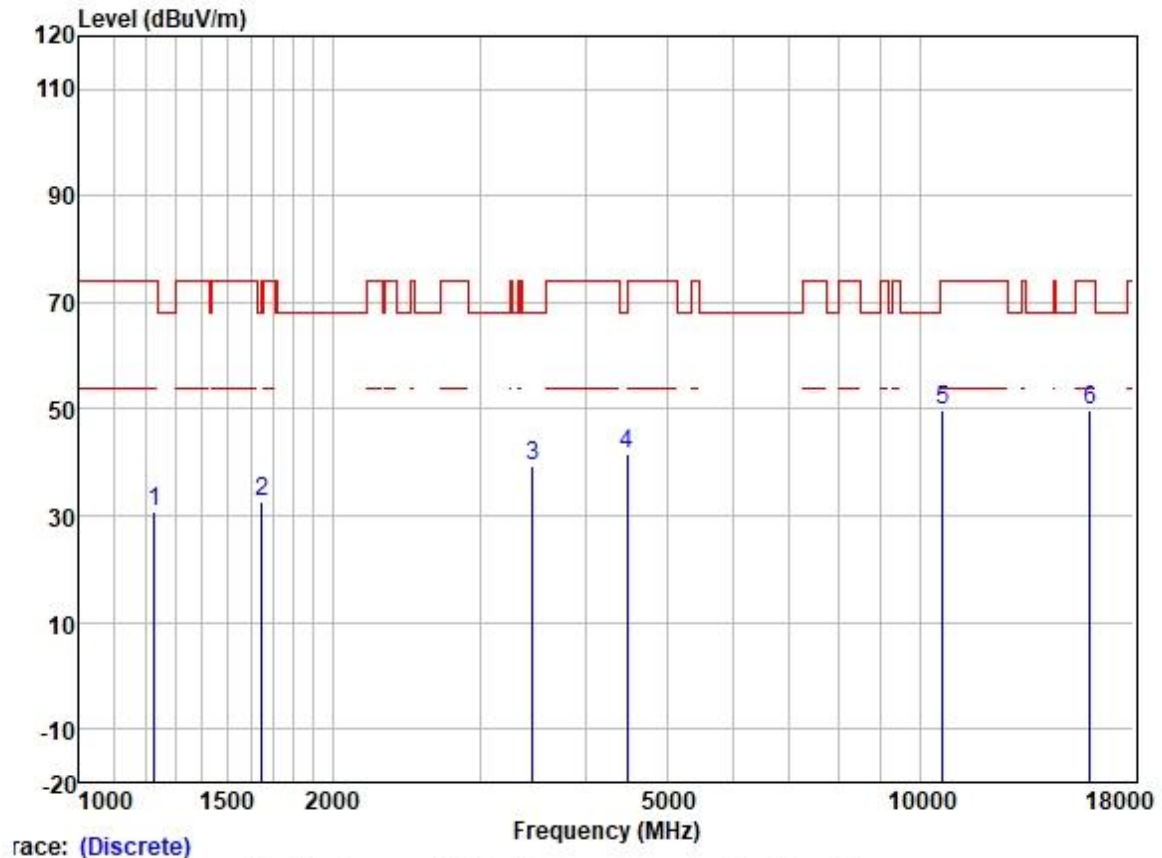
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1132.340	42.39	24.44	2.22	38.43	30.62	74.00	-43.38	HORIZONTAL	Peak
2	1663.137	42.68	25.65	2.80	37.91	33.22	74.00	-40.78	HORIZONTAL	Peak
3	3405.929	43.07	28.85	4.11	36.98	39.05	68.20	-29.15	HORIZONTAL	Peak
4	4456.315	43.07	30.75	4.88	36.81	41.89	68.20	-26.31	HORIZONTAL	Peak
5	10600.000	39.66	39.59	7.46	37.34	49.37	68.20	-18.83	HORIZONTAL	Peak
6	15900.000	36.56	38.44	9.86	35.40	49.46	74.00	-24.54	HORIZONTAL	Peak

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



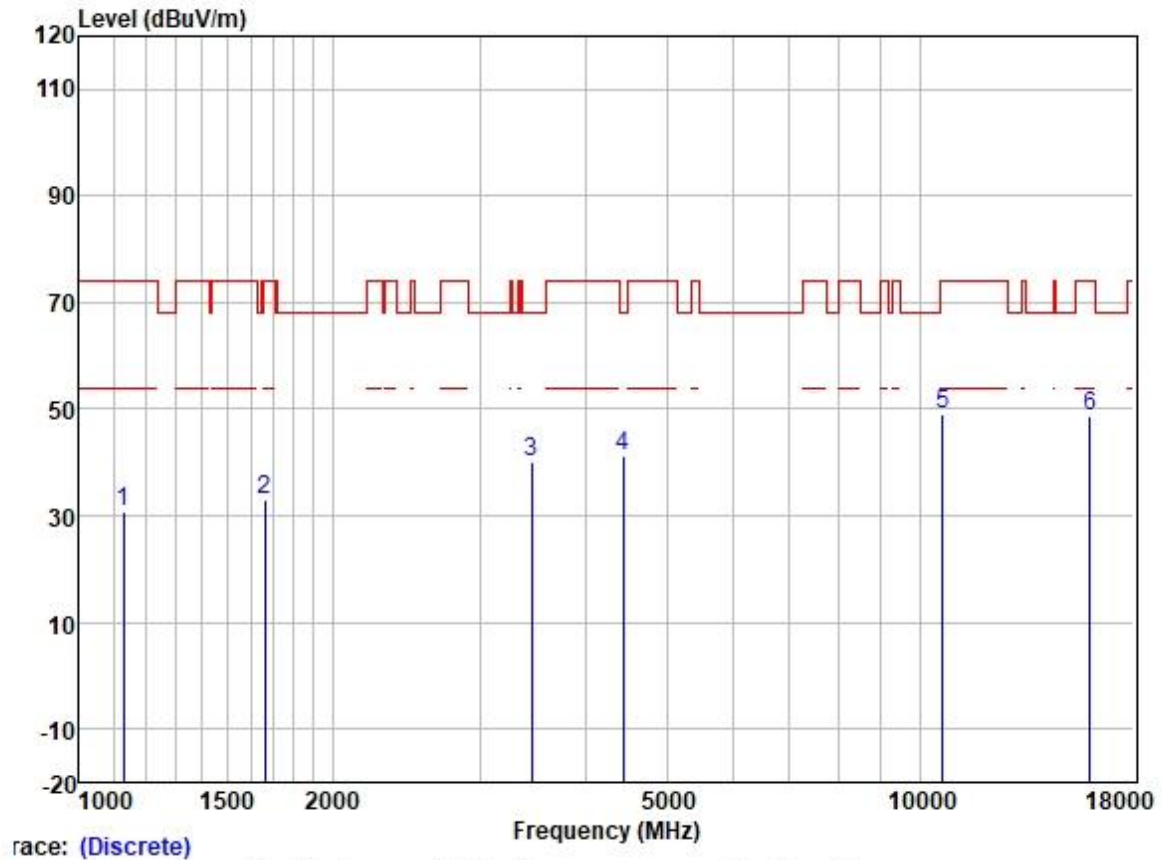
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1106.457	42.57	24.38	2.28	38.45	30.78	74.00	-43.22	VERTICAL	Peak
2	1663.137	41.69	25.65	2.80	37.91	32.23	74.00	-41.77	VERTICAL	Peak
3	3445.535	42.88	28.87	4.18	36.96	38.97	68.20	-29.23	VERTICAL	Peak
4	4329.354	43.25	30.54	4.67	36.81	41.65	74.00	-32.35	VERTICAL	Peak
5	10600.000	39.74	39.59	7.46	37.34	49.45	68.20	-18.75	VERTICAL	Peak
6	15900.000	36.96	38.44	9.86	35.40	49.86	74.00	-24.14	VERTICAL	Peak

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



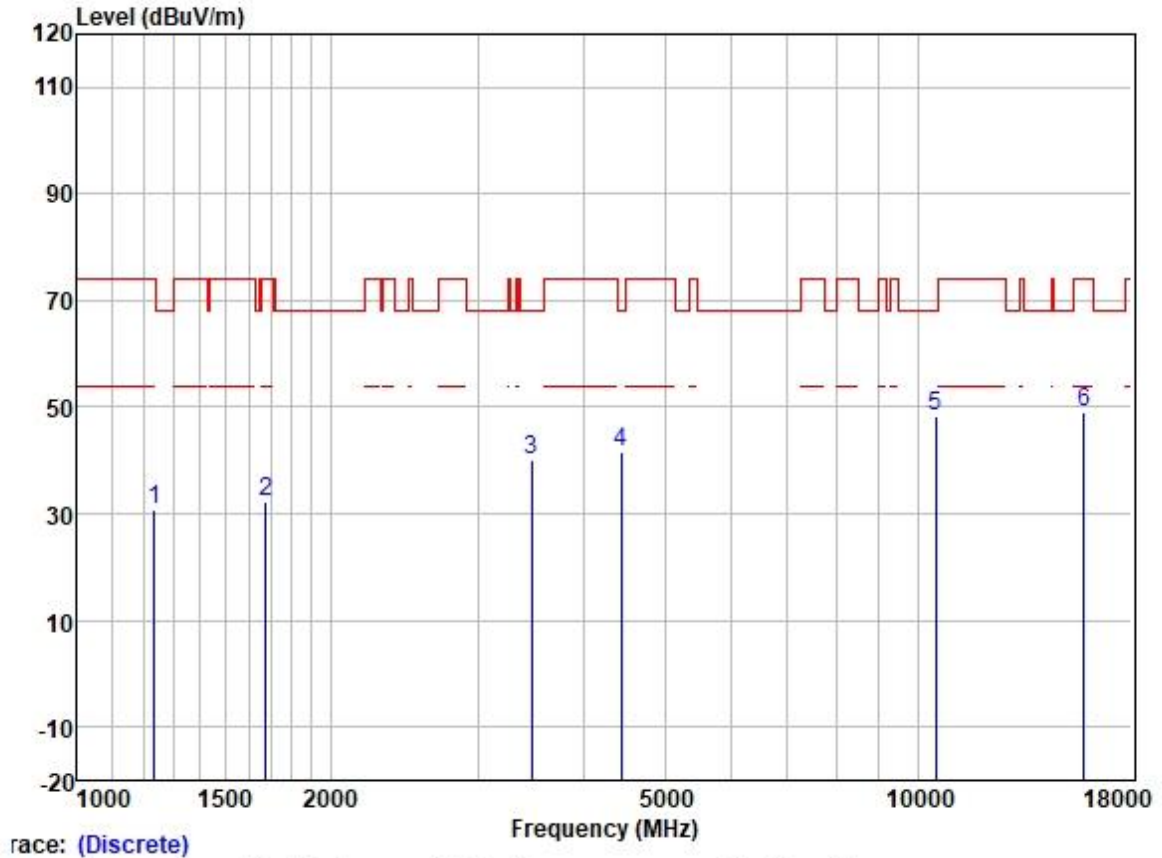
	ReadAntenna	Cable	Preamp		Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1227.791	41.78	24.88	2.31	38.37	30.60	74.00	-43.40	HORIZONTAL Peak
2	1648.778	42.07	25.63	2.80	37.93	32.57	68.20	-35.63	HORIZONTAL Peak
3	3465.510	43.08	28.88	4.22	36.95	39.23	68.20	-28.97	HORIZONTAL Peak
4	4482.150	42.48	30.78	4.99	36.81	41.44	68.20	-26.76	HORIZONTAL Peak
5	10640.000	39.87	39.63	7.48	37.33	49.65	74.00	-24.35	HORIZONTAL Peak
6	15960.000	37.12	38.37	9.85	35.40	49.94	74.00	-24.06	HORIZONTAL Peak

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



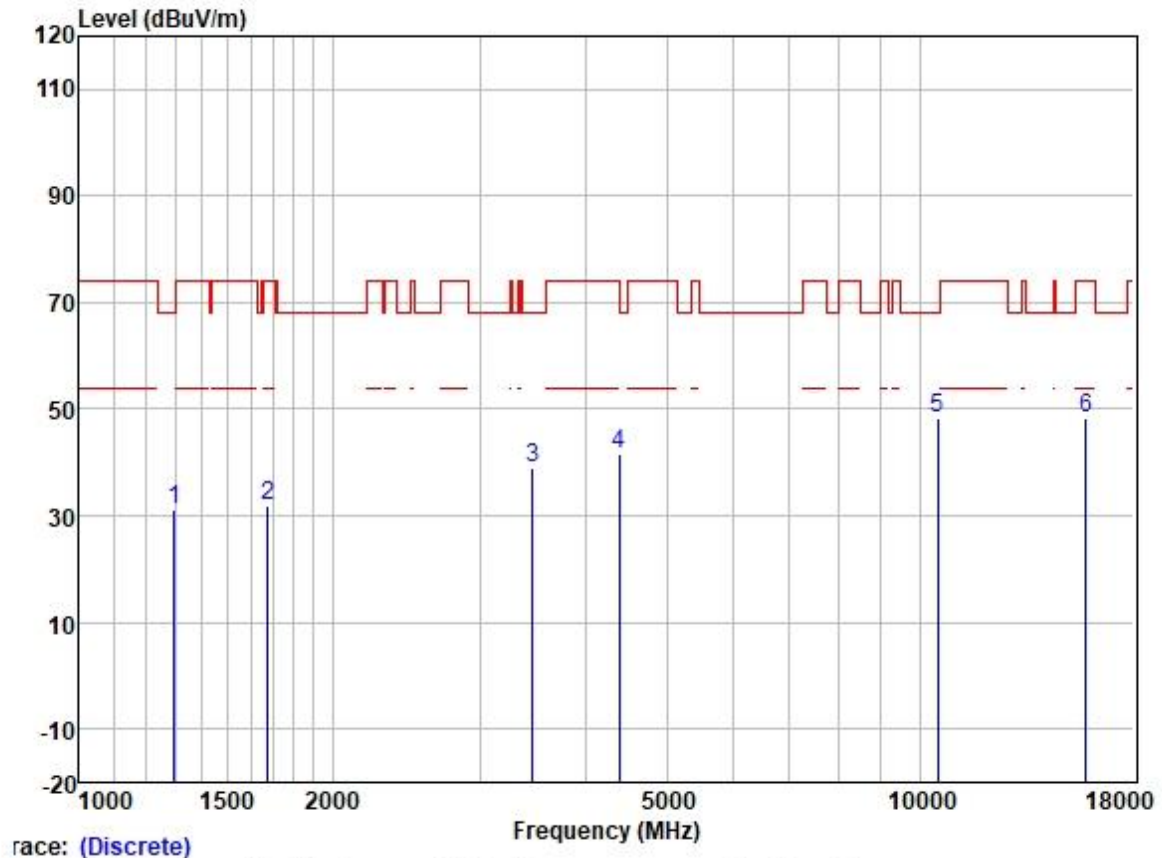
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1129.072	42.43	24.43	2.20	38.43	30.63	74.00	-43.37	VERTICAL	Peak
2	1663.137	42.58	25.65	2.80	37.91	33.12	74.00	-40.88	VERTICAL	Peak
3	3455.508	43.95	28.88	4.20	36.96	40.07	68.20	-28.13	VERTICAL	Peak
4	4443.453	42.53	30.73	4.83	36.81	41.28	68.20	-26.92	VERTICAL	Peak
5	10640.000	39.39	39.63	7.48	37.33	49.17	74.00	-24.83	VERTICAL	Peak
6	15960.000	36.04	38.37	9.85	35.40	48.86	74.00	-25.14	VERTICAL	Peak

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



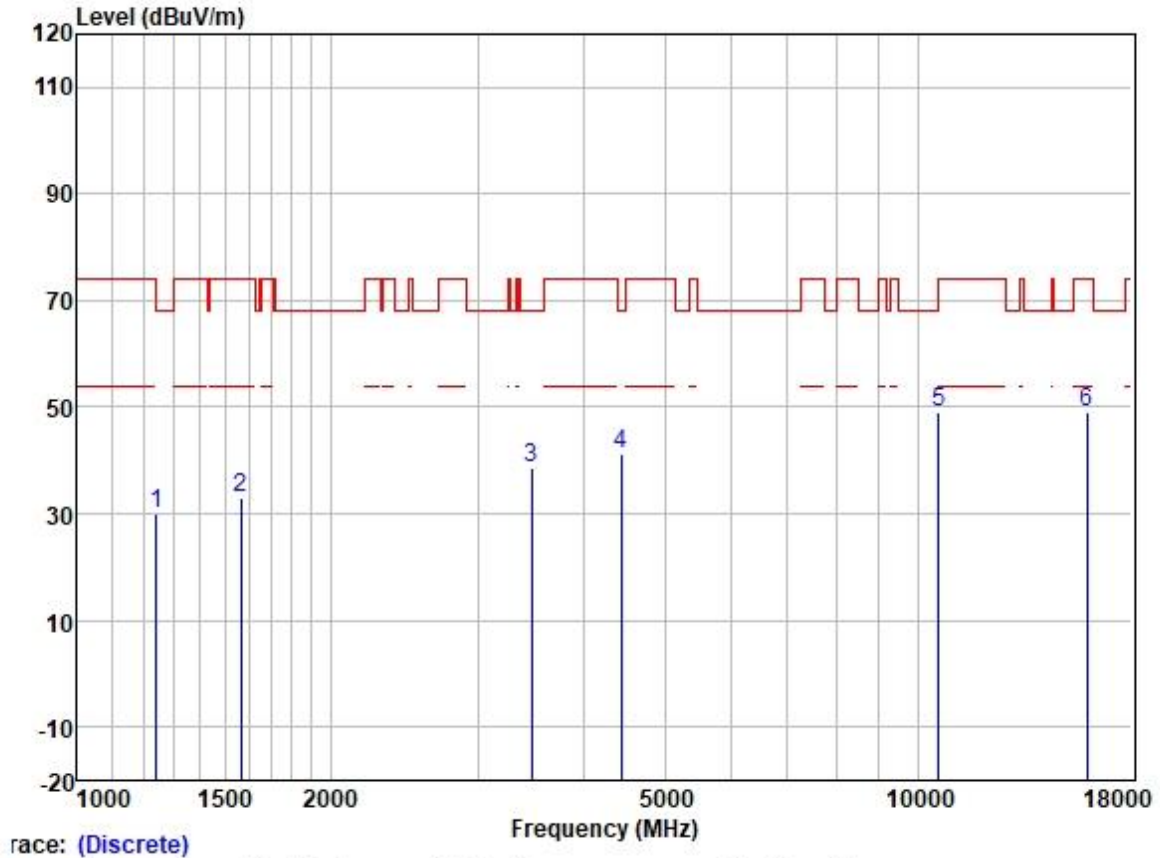
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1234.909	41.83	24.93	2.30	38.37	30.69	74.00	-43.31	HORIZONTAL	Peak
2	1677.621	41.81	25.68	2.80	37.91	32.38	74.00	-41.62	HORIZONTAL	Peak
3	3475.541	43.84	28.89	4.25	36.95	40.03	68.20	-28.17	HORIZONTAL	Peak
4	4443.453	42.96	30.73	4.83	36.81	41.71	68.20	-26.49	HORIZONTAL	Peak
5	10520.000	38.58	39.50	7.42	37.35	48.15	68.20	-20.05	HORIZONTAL	Peak
6	15780.000	35.92	38.70	9.86	35.39	49.09	74.00	-24.91	HORIZONTAL	Peak

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



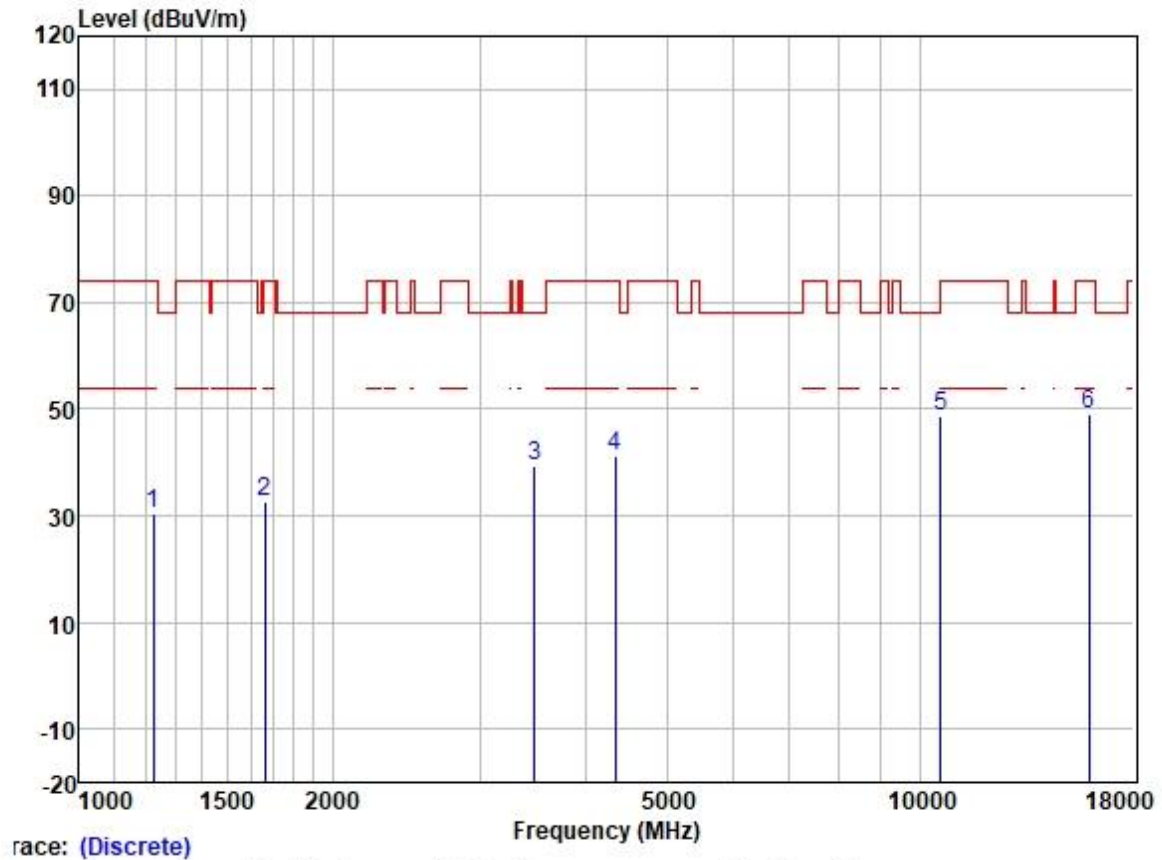
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1297.103	41.77	25.19	2.58	38.31	31.23	68.20	-36.97	VERTICAL	Peak
2	1677.621	41.14	25.68	2.80	37.91	31.71	74.00	-42.29	VERTICAL	Peak
3	3465.510	42.99	28.88	4.22	36.95	39.14	68.20	-29.06	VERTICAL	Peak
4	4392.376	43.13	30.66	4.70	36.81	41.68	74.00	-32.32	VERTICAL	Peak
5	10520.000	38.69	39.50	7.42	37.35	48.26	68.20	-19.94	VERTICAL	Peak
6	15780.000	35.33	38.70	9.86	35.39	48.50	74.00	-25.50	VERTICAL	Peak

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



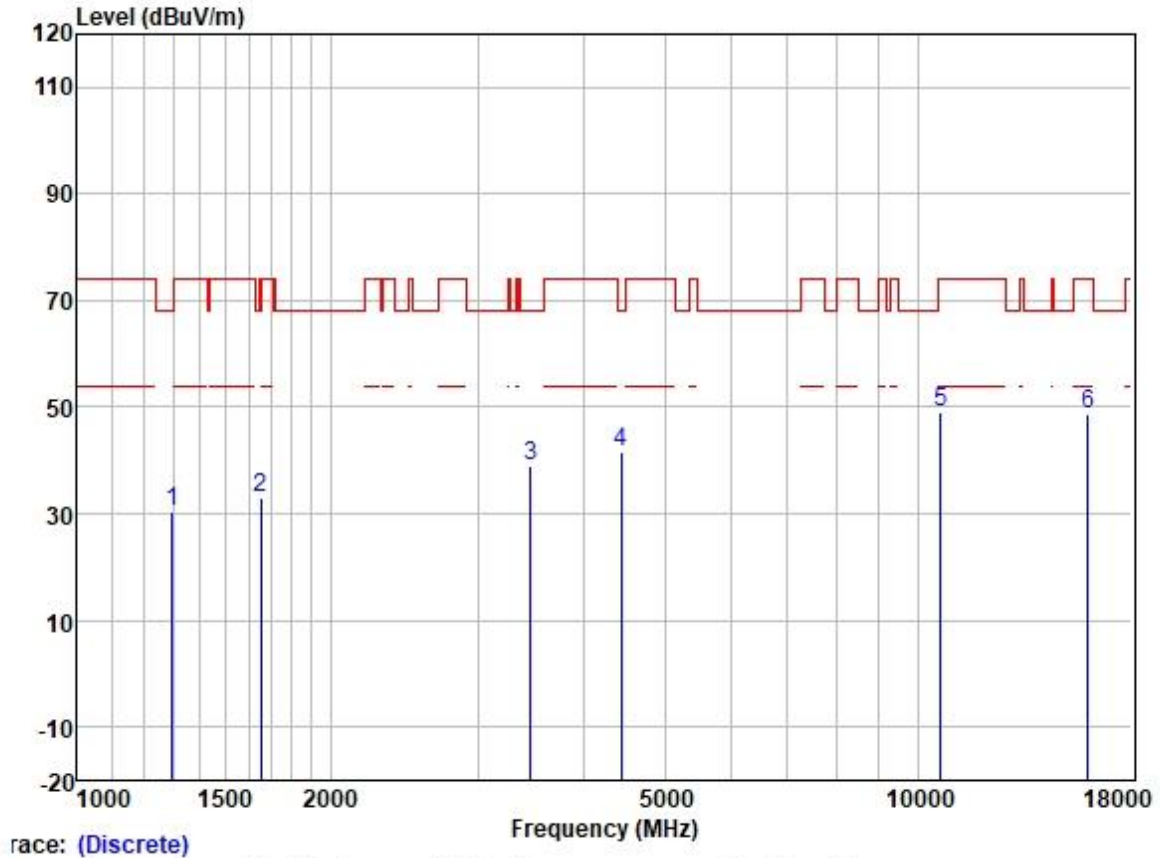
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1242.068	41.27	24.98	2.31	38.35	30.21	68.20	-37.99	HORIZONTAL	Peak
2	1565.191	42.50	25.55	2.80	38.00	32.85	74.00	-41.15	HORIZONTAL	Peak
3	3475.541	42.43	28.89	4.25	36.95	38.62	68.20	-29.58	HORIZONTAL	Peak
4	4443.453	42.49	30.73	4.83	36.81	41.24	68.20	-26.96	HORIZONTAL	Peak
5	10600.000	39.34	39.59	7.46	37.34	49.05	68.20	-19.15	HORIZONTAL	Peak
6	15900.000	36.16	38.44	9.86	35.40	49.06	74.00	-24.94	HORIZONTAL	Peak

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



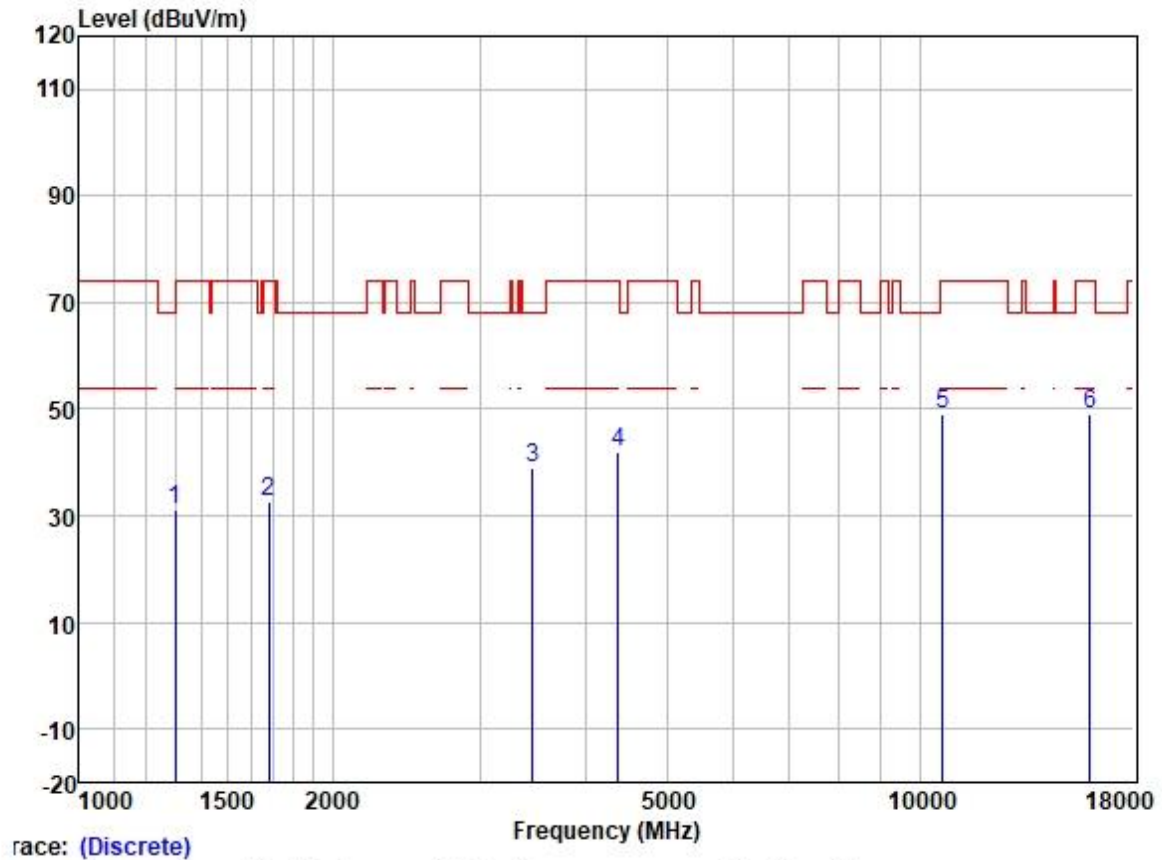
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1224.247	41.79	24.85	2.31	38.37	30.58	74.00	-43.42	VERTICAL	Peak
2	1663.137	42.23	25.65	2.80	37.91	32.77	74.00	-41.23	VERTICAL	Peak
3	3485.601	43.02	28.89	4.27	36.95	39.23	68.20	-28.97	VERTICAL	Peak
4	4341.886	42.91	30.57	4.67	36.81	41.34	74.00	-32.66	VERTICAL	Peak
5	10600.000	39.11	39.59	7.46	37.34	48.82	68.20	-19.38	VERTICAL	Peak
6	15900.000	36.13	38.44	9.86	35.40	49.03	74.00	-24.97	VERTICAL	Peak

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



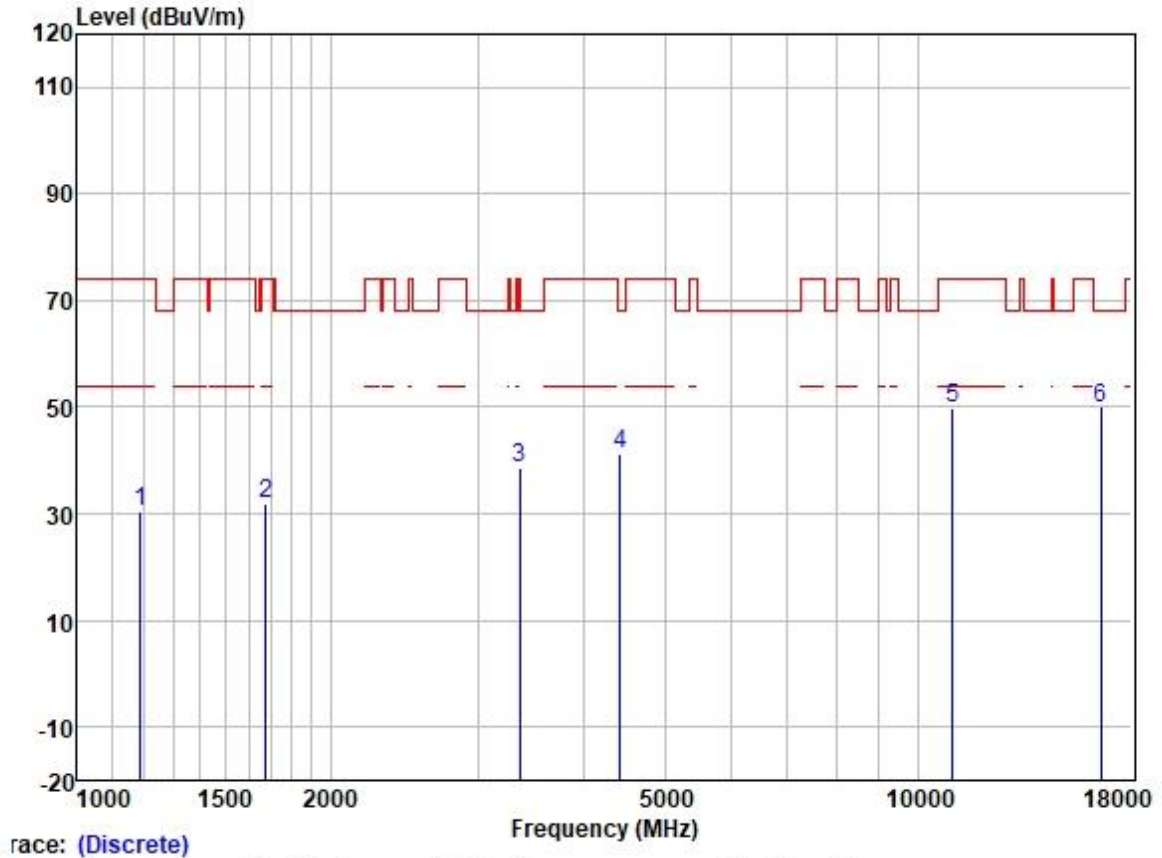
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1297.103	40.88	25.19	2.58	38.31	30.34	68.20	-37.86	HORIZONTAL	Peak
2	1653.550	42.38	25.64	2.80	37.93	32.89	68.20	-35.31	HORIZONTAL	Peak
3	3465.510	42.89	28.88	4.22	36.95	39.04	68.20	-29.16	HORIZONTAL	Peak
4	4443.453	42.91	30.73	4.83	36.81	41.66	68.20	-26.54	HORIZONTAL	Peak
5	10640.000	39.13	39.63	7.48	37.33	48.91	74.00	-25.09	HORIZONTAL	Peak
6	15960.000	35.94	38.37	9.85	35.40	48.76	74.00	-25.24	HORIZONTAL	Peak

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



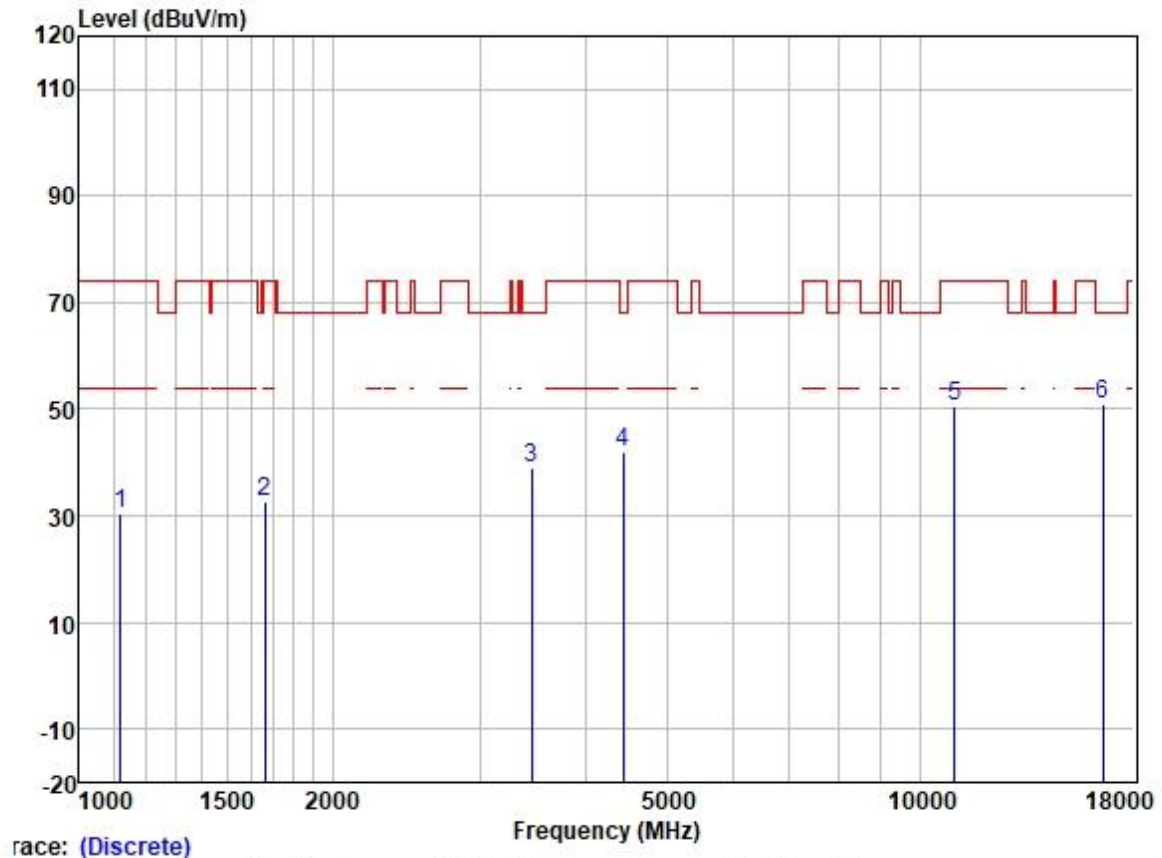
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1300.858	41.70	25.20	2.60	38.31	31.19	74.00	-42.81	VERTICAL	Peak
2	1682.477	42.05	25.68	2.80	37.91	32.62	74.00	-41.38	VERTICAL	Peak
3	3465.510	42.74	28.88	4.22	36.95	38.89	68.20	-29.31	VERTICAL	Peak
4	4379.699	43.39	30.64	4.69	36.81	41.91	74.00	-32.09	VERTICAL	Peak
5	10640.000	39.30	39.63	7.48	37.33	49.08	74.00	-24.92	VERTICAL	Peak
6	15960.000	36.22	38.37	9.85	35.40	49.04	74.00	-24.96	VERTICAL	Peak

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



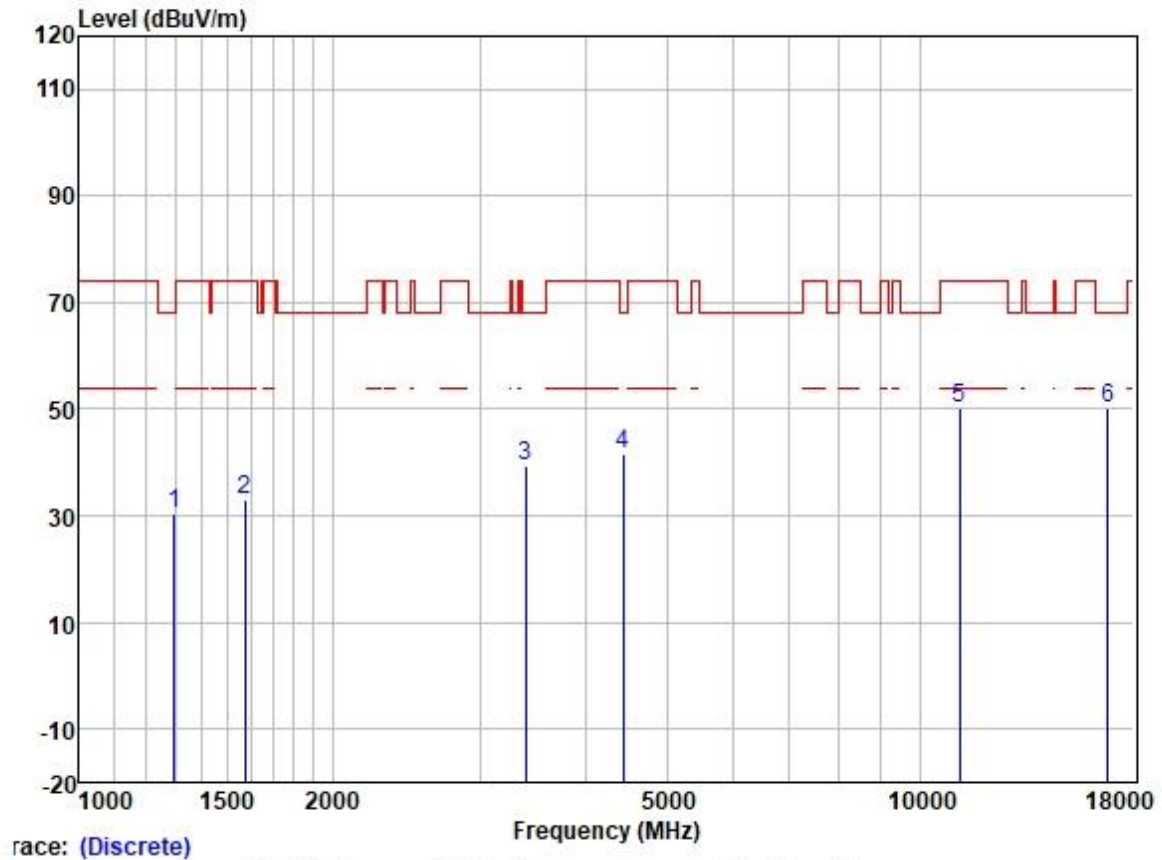
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1189.368	41.97	24.63	2.36	38.39	30.57	74.00	-43.43	HORIZONTAL	Peak
2	1677.621	41.48	25.68	2.80	37.91	32.05	74.00	-41.95	HORIZONTAL	Peak
3	3357.061	42.87	28.81	4.09	37.01	38.76	74.00	-35.24	HORIZONTAL	Peak
4	4430.628	42.55	30.72	4.78	36.81	41.24	68.20	-26.96	HORIZONTAL	Peak
5	11000.000	39.27	40.10	7.71	37.25	49.83	74.00	-24.17	HORIZONTAL	Peak
6	16500.000	36.34	39.60	9.44	35.38	50.00	68.20	-18.20	HORIZONTAL	Peak

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



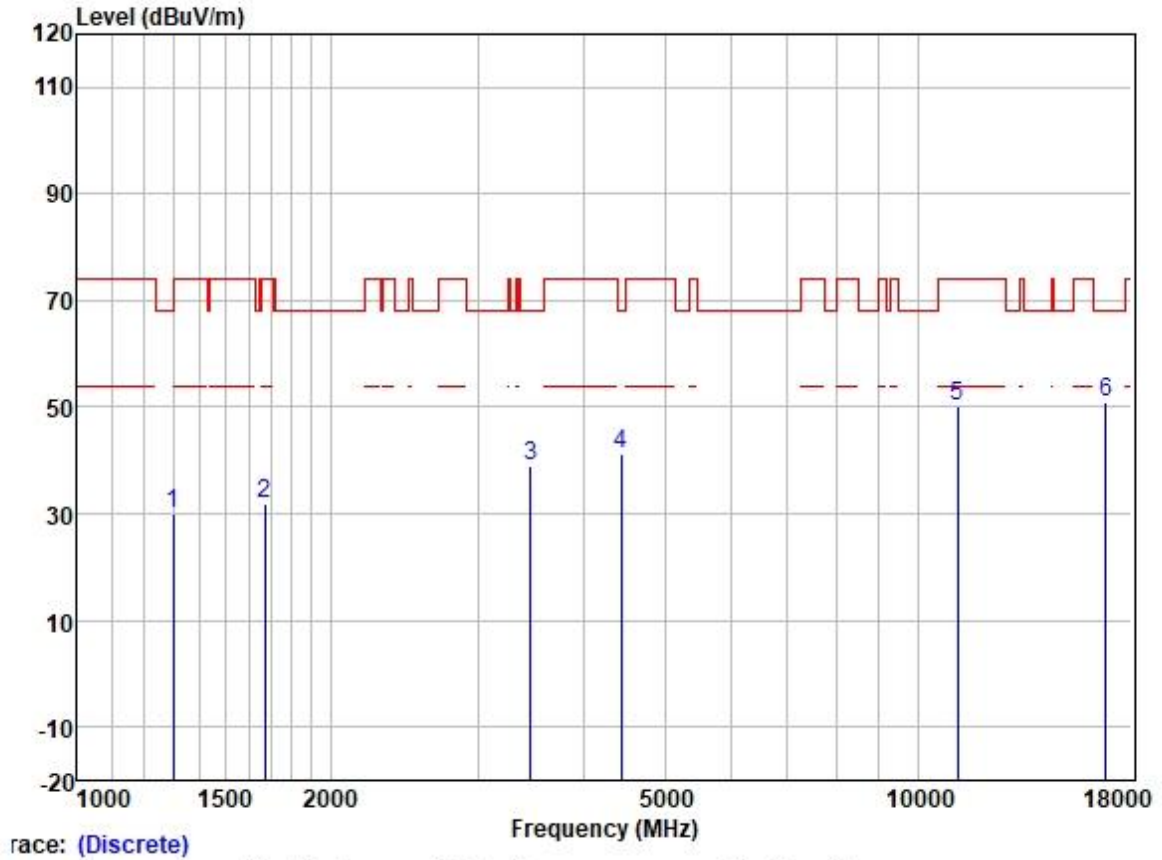
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1119.323	42.05	24.41	2.24	38.43	30.27	74.00	-43.73	VERTICAL	Peak
2	1663.137	42.10	25.65	2.80	37.91	32.64	74.00	-41.36	VERTICAL	Peak
3	3455.508	42.95	28.88	4.20	36.96	39.07	68.20	-29.13	VERTICAL	Peak
4	4443.453	43.11	30.73	4.83	36.81	41.86	68.20	-26.34	VERTICAL	Peak
5	11000.000	39.93	40.10	7.71	37.25	50.49	74.00	-23.51	VERTICAL	Peak
6	16500.000	37.18	39.60	9.44	35.38	50.84	68.20	-17.36	VERTICAL	Peak

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



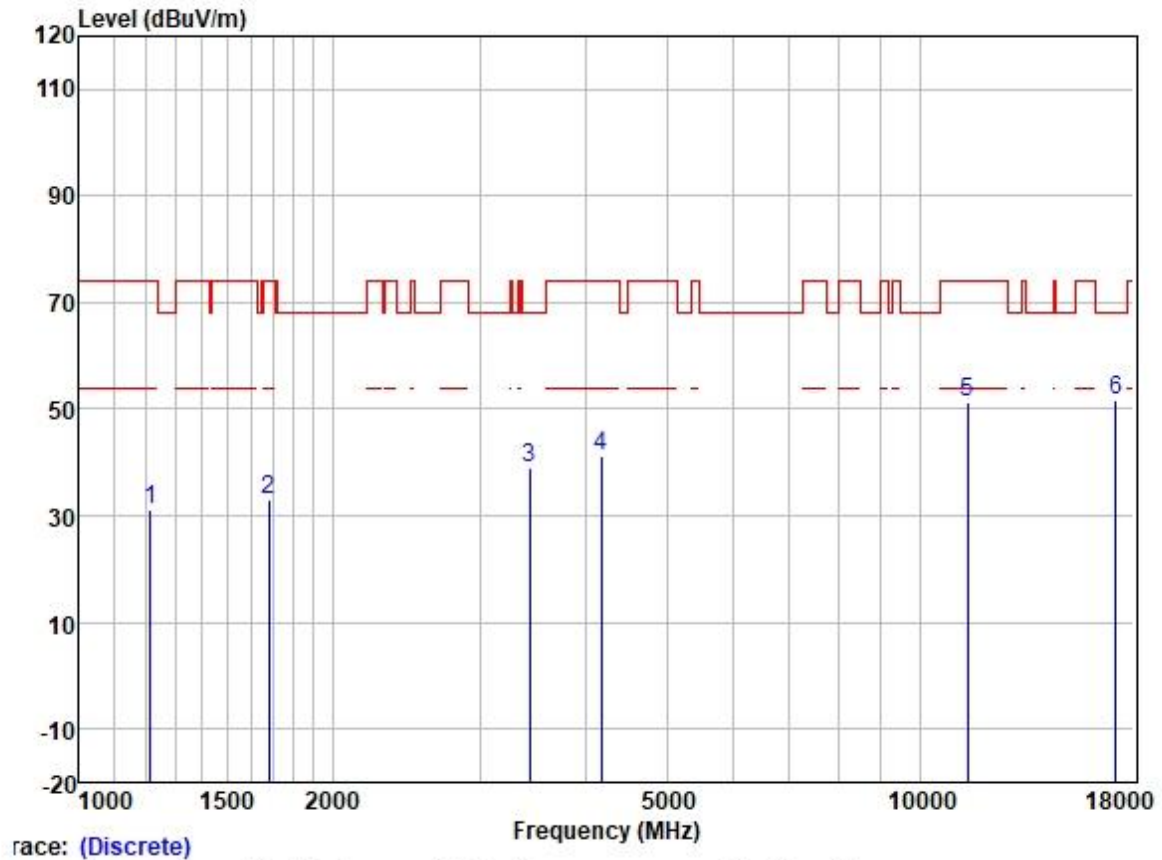
	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1297.103	40.95	25.19	2.58	38.31	30.41	68.20	-37.79	HORIZONTAL
2	1574.265	42.49	25.56	2.80	38.00	32.85	74.00	-41.15	HORIZONTAL
3	3396.098	43.27	28.84	4.10	36.98	39.23	68.20	-28.97	HORIZONTAL
4	4443.453	42.74	30.73	4.83	36.81	41.49	68.20	-26.71	HORIZONTAL
5	11160.000	39.50	40.04	7.90	37.21	50.23	74.00	-23.77	HORIZONTAL
6	16740.000	35.71	40.49	9.41	35.37	50.24	68.20	-17.96	HORIZONTAL

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



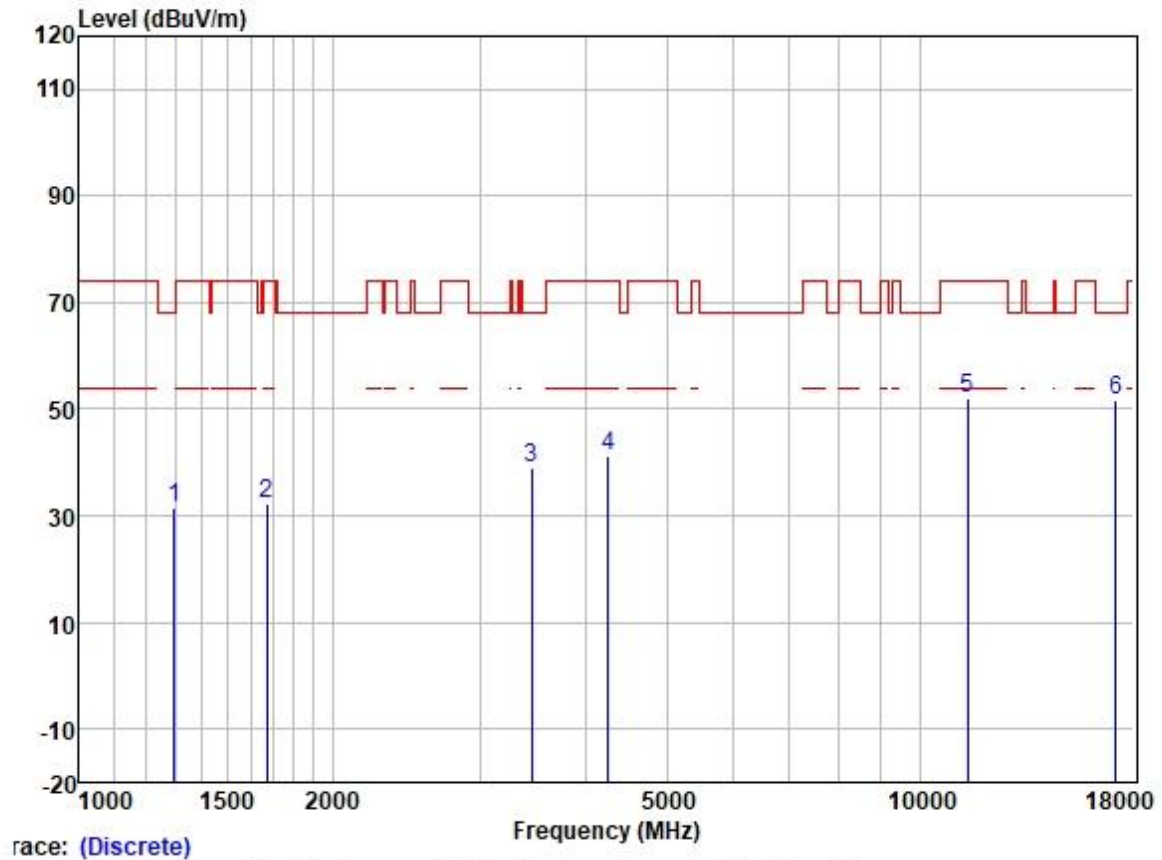
	Freq	ReadAntenna	Cable	Preamp	Limit	Over			
	MHz	Level	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1300.858	40.62	25.20	2.60	38.31	30.11	74.00	-43.89	VERTICAL Peak
2	1672.779	41.29	25.67	2.80	37.91	31.85	74.00	-42.15	VERTICAL Peak
3	3465.510	42.71	28.88	4.22	36.95	38.86	68.20	-29.34	VERTICAL Peak
4	4443.453	42.54	30.73	4.83	36.81	41.29	68.20	-26.91	VERTICAL Peak
5	11160.000	39.37	40.04	7.90	37.21	50.10	74.00	-23.90	VERTICAL Peak
6	16740.000	36.32	40.49	9.41	35.37	50.85	68.20	-17.35	VERTICAL Peak

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



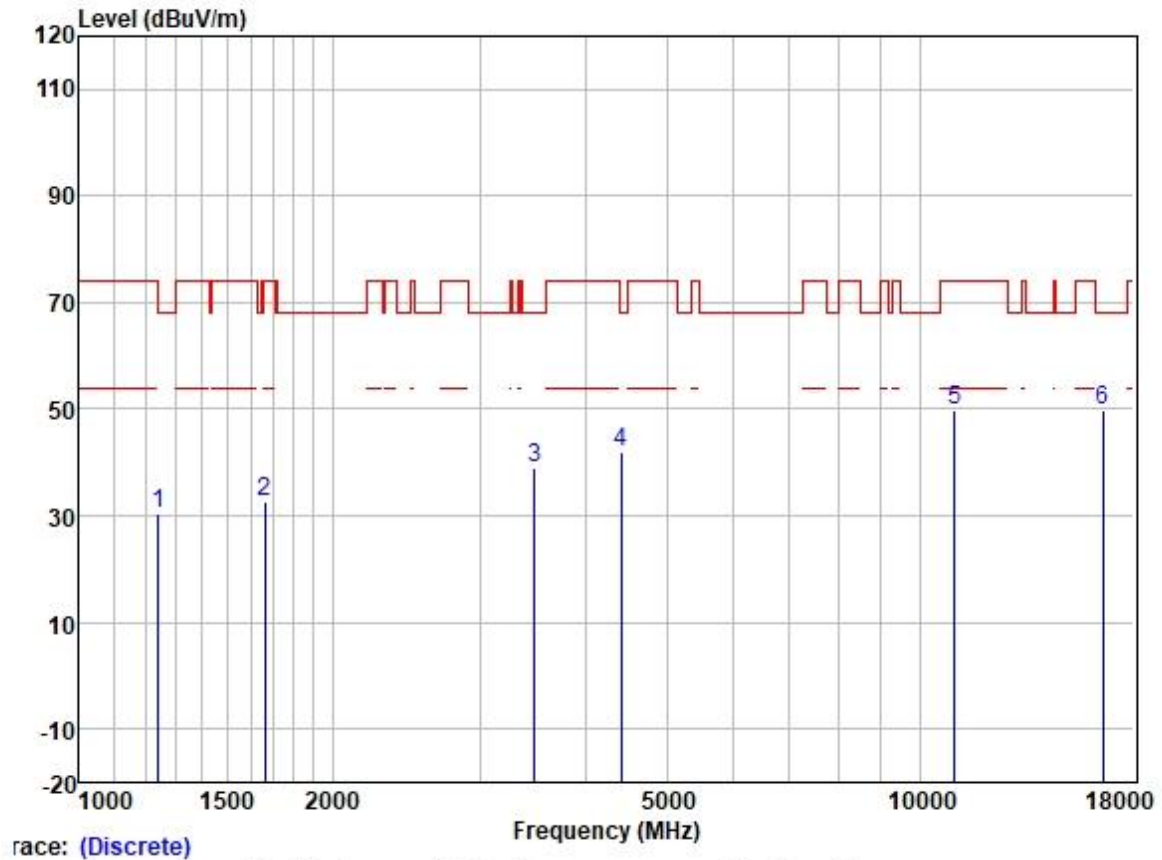
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1213.677	42.50	24.77	2.32	38.37	31.22	74.00	-42.78	HORIZONTAL	Peak
2	1682.477	42.48	25.68	2.80	37.91	33.05	74.00	-40.95	HORIZONTAL	Peak
3	3435.590	42.98	28.87	4.16	36.97	39.04	68.20	-29.16	HORIZONTAL	Peak
4	4181.768	43.37	30.12	4.60	36.80	41.29	74.00	-32.71	HORIZONTAL	Peak
5	11400.000	40.33	39.94	8.28	37.16	51.39	74.00	-22.61	HORIZONTAL	Peak
6	17100.000	35.19	42.32	9.63	35.34	51.80	68.20	-16.40	HORIZONTAL	Peak

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



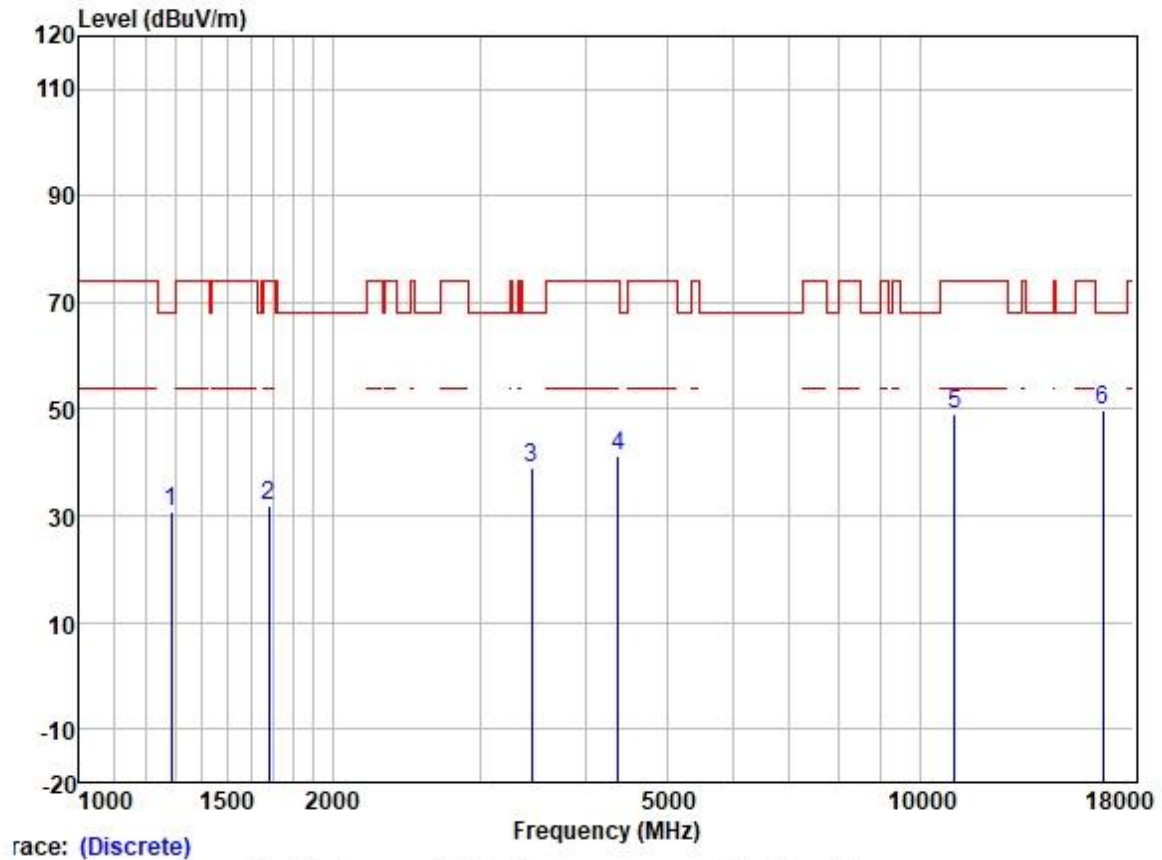
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1297.103	41.91	25.19	2.58	38.31	31.37	68.20	-36.83	VERTICAL	Peak
2	1672.779	41.65	25.67	2.80	37.91	32.21	74.00	-41.79	VERTICAL	Peak
3	3455.508	42.81	28.88	4.20	36.96	38.93	68.20	-29.27	VERTICAL	Peak
4	4254.921	43.02	30.34	4.62	36.81	41.17	74.00	-32.83	VERTICAL	Peak
5	11400.000	40.91	39.94	8.28	37.16	51.97	74.00	-22.03	VERTICAL	Peak
6	17100.000	35.07	42.32	9.63	35.34	51.68	68.20	-16.52	VERTICAL	Peak

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



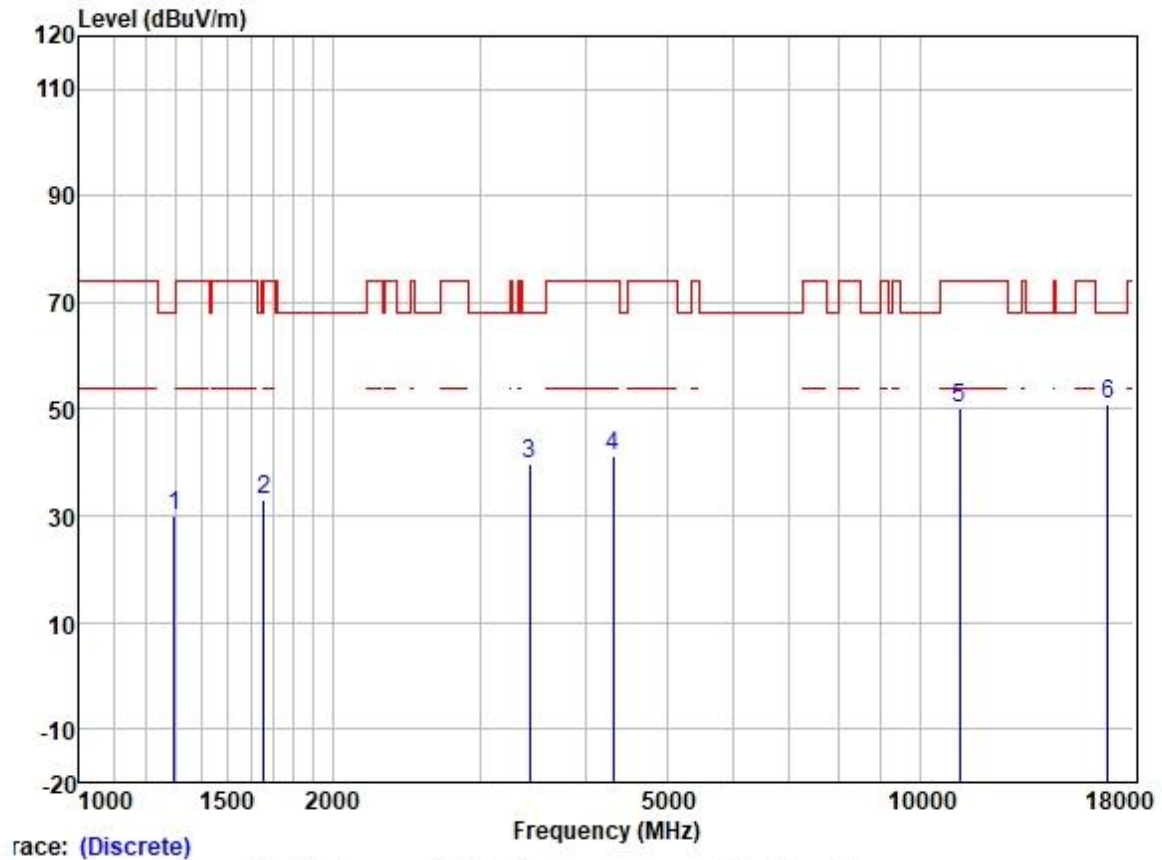
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1242.068	41.45	24.98	2.31	38.35	30.39	68.20	-37.81	HORIZONTAL	Peak
2	1663.137	41.94	25.65	2.80	37.91	32.48	74.00	-41.52	HORIZONTAL	Peak
3	3485.601	42.68	28.89	4.27	36.95	38.89	68.20	-29.31	HORIZONTAL	Peak
4	4417.841	43.42	30.70	4.74	36.81	42.05	68.20	-26.15	HORIZONTAL	Peak
5	11000.000	39.16	40.10	7.71	37.25	49.72	74.00	-24.28	HORIZONTAL	Peak
6	16500.000	36.10	39.60	9.44	35.38	49.76	68.20	-18.44	HORIZONTAL	Peak

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



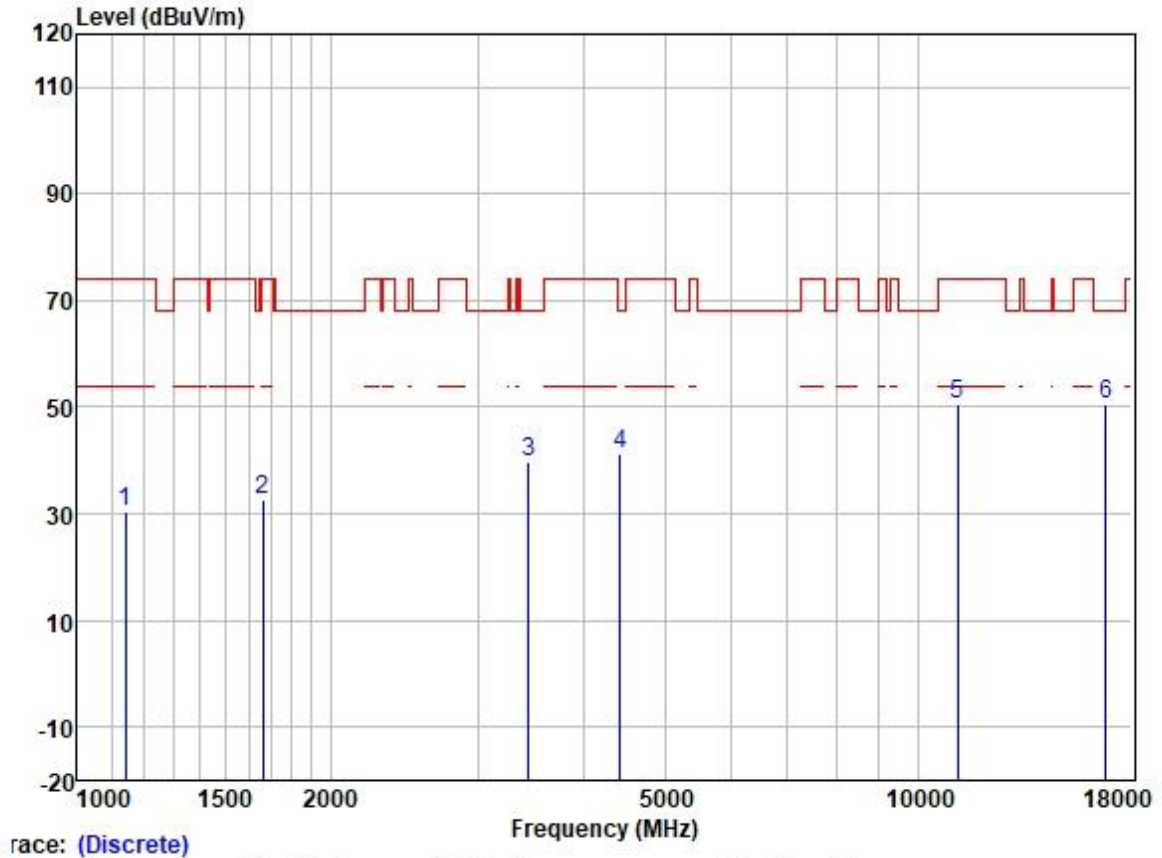
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1285.904	41.31	25.16	2.53	38.33	30.67	68.20	-37.53	VERTICAL	Peak
2	1682.477	41.35	25.68	2.80	37.91	31.92	74.00	-42.08	VERTICAL	Peak
3	3455.508	42.92	28.88	4.20	36.96	39.04	68.20	-29.16	VERTICAL	Peak
4	4379.699	42.68	30.64	4.69	36.81	41.20	74.00	-32.80	VERTICAL	Peak
5	11000.000	38.47	40.10	7.71	37.25	49.03	74.00	-24.97	VERTICAL	Peak
6	16500.000	36.19	39.60	9.44	35.38	49.85	68.20	-18.35	VERTICAL	Peak

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



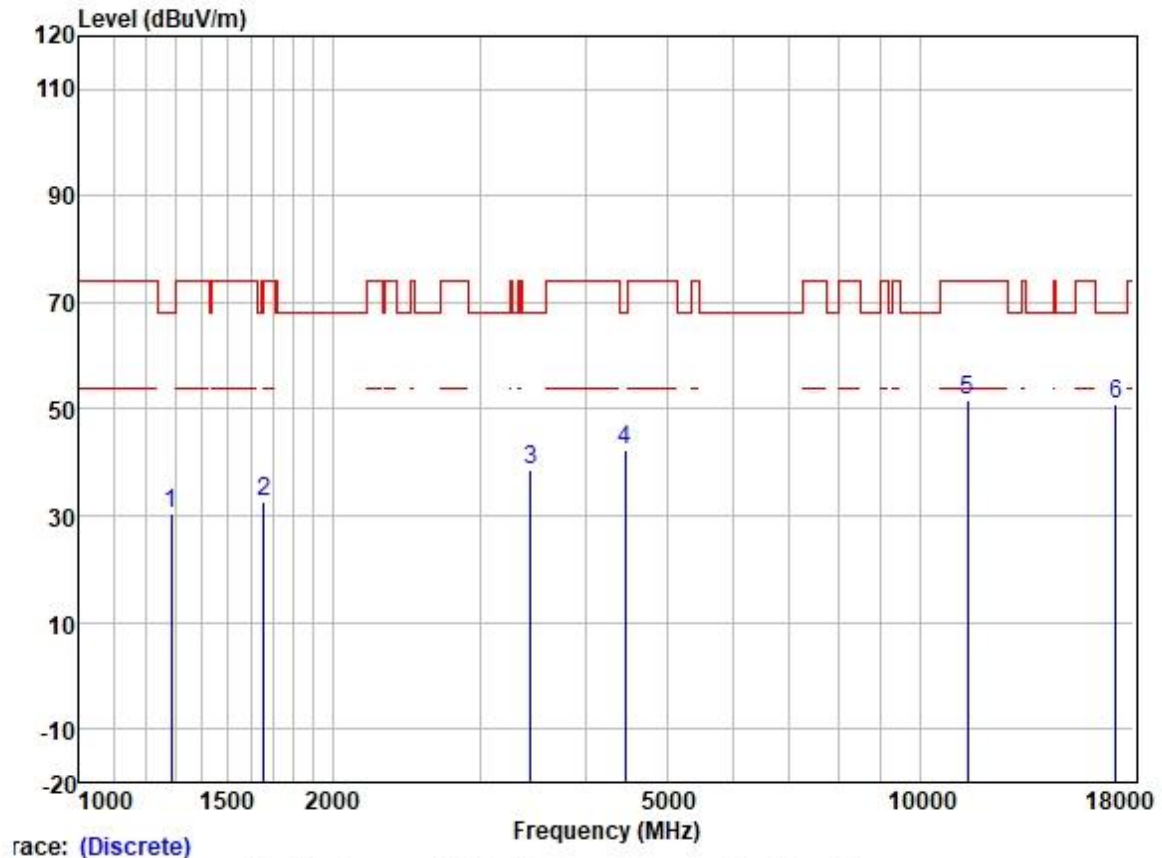
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1297.103	40.56	25.19	2.58	38.31	30.02	68.20	-38.18	HORIZONTAL	Peak
2	1658.337	42.32	25.65	2.80	37.93	32.84	68.20	-35.36	HORIZONTAL	Peak
3	3435.590	43.56	28.87	4.16	36.97	39.62	68.20	-28.58	HORIZONTAL	Peak
4	4316.859	42.83	30.51	4.66	36.81	41.19	74.00	-32.81	HORIZONTAL	Peak
5	11160.000	39.36	40.04	7.90	37.21	50.09	74.00	-23.91	HORIZONTAL	Peak
6	16740.000	36.43	40.49	9.41	35.37	50.96	68.20	-17.24	HORIZONTAL	Peak

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



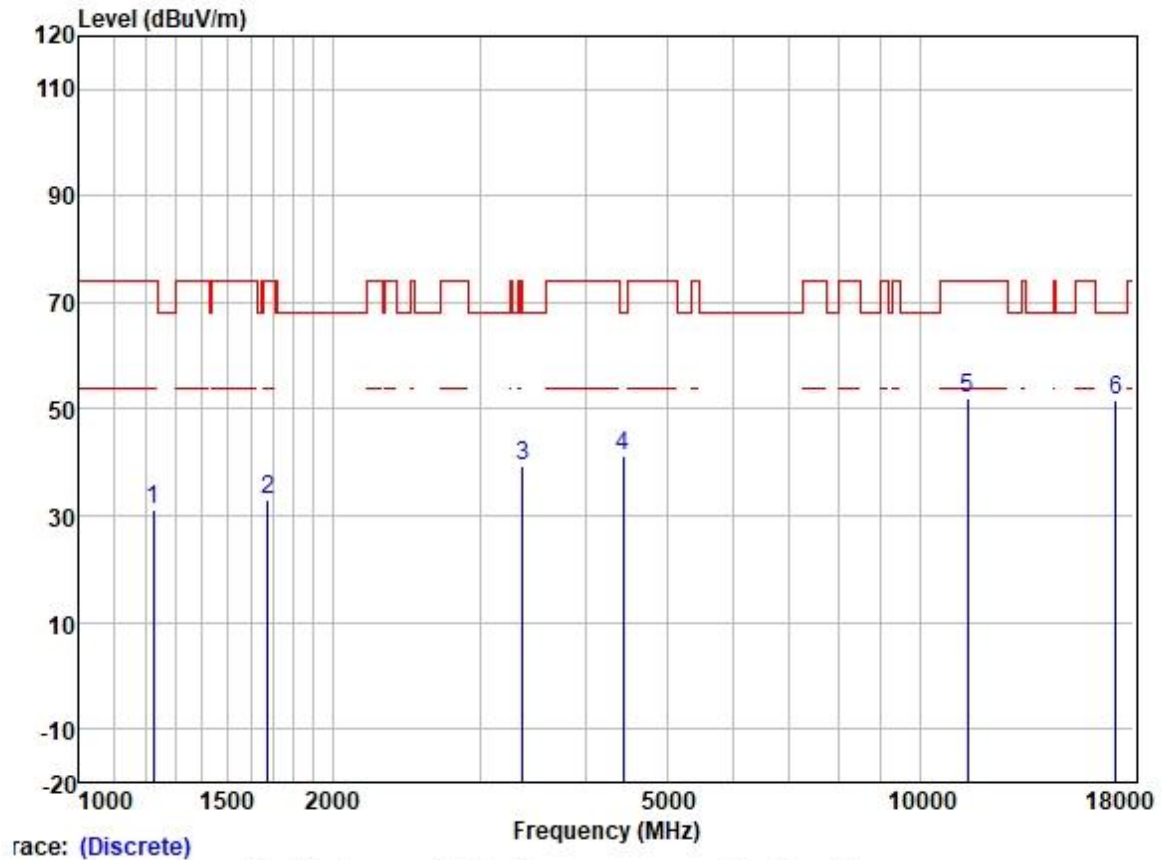
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1142.201	41.97	24.47	2.30	38.42	30.32	74.00	-43.68	VERTICAL	Peak
2	1663.137	42.14	25.65	2.80	37.91	32.68	74.00	-41.32	VERTICAL	Peak
3	3445.535	43.57	28.87	4.18	36.96	39.66	68.20	-28.54	VERTICAL	Peak
4	4430.628	42.66	30.72	4.78	36.81	41.35	68.20	-26.85	VERTICAL	Peak
5	11160.000	39.65	40.04	7.90	37.21	50.38	74.00	-23.62	VERTICAL	Peak
6	16740.000	35.92	40.49	9.41	35.37	50.45	68.20	-17.75	VERTICAL	Peak

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



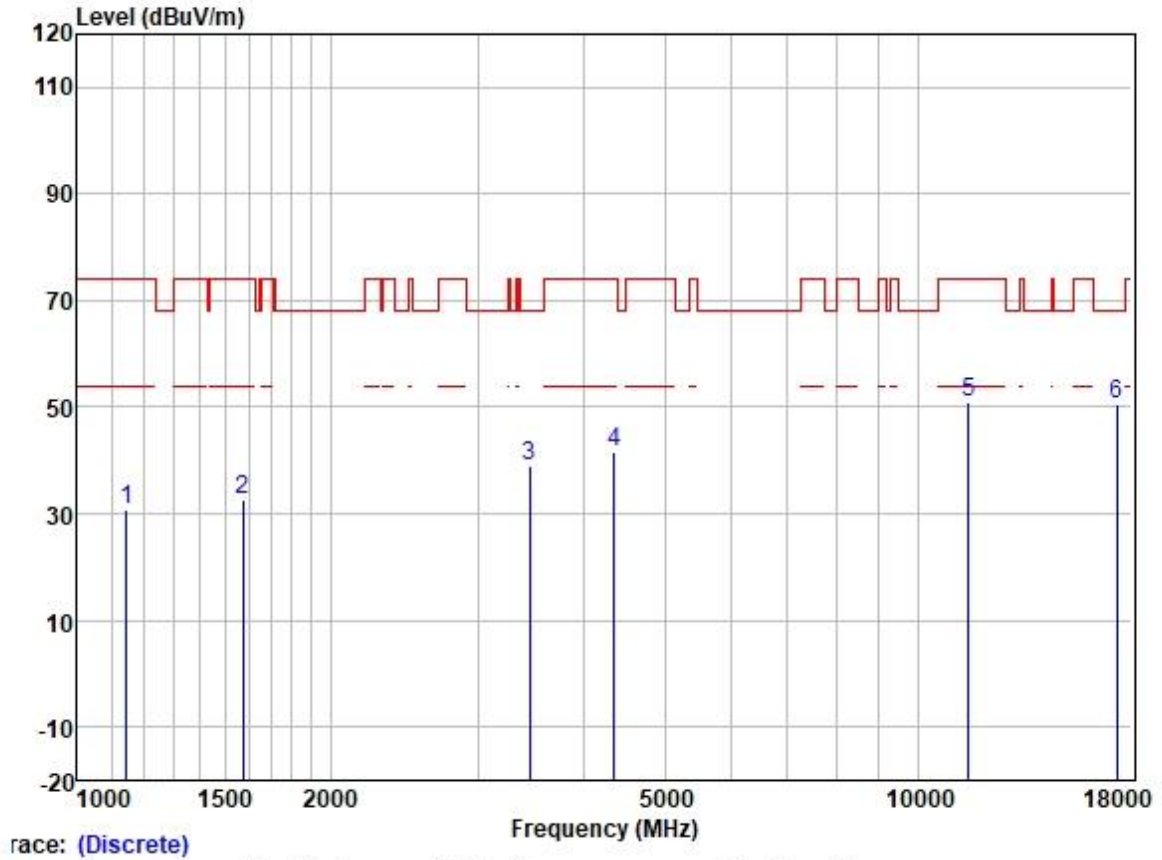
	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	MHz	Level	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1285.904	41.22	25.16	2.53	38.33	30.58	68.20	-37.62	HORIZONTAL Peak
2	1658.337	41.98	25.65	2.80	37.93	32.50	68.20	-35.70	HORIZONTAL Peak
3	3445.535	42.60	28.87	4.18	36.96	38.69	68.20	-29.51	HORIZONTAL Peak
4	4456.315	43.60	30.75	4.88	36.81	42.42	68.20	-25.78	HORIZONTAL Peak
5	11400.000	40.78	39.94	8.28	37.16	51.84	74.00	-22.16	HORIZONTAL Peak
6	17100.000	34.46	42.32	9.63	35.34	51.07	68.20	-17.13	HORIZONTAL Peak

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



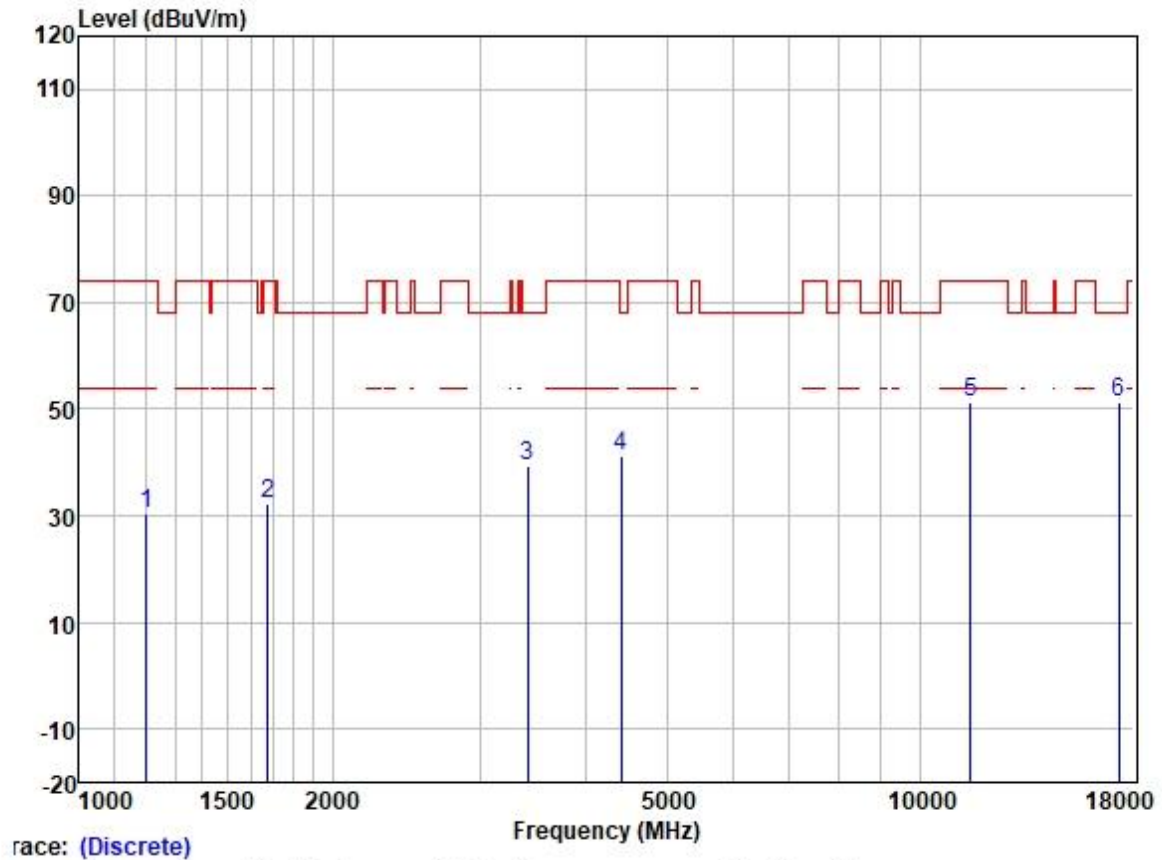
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1224.247	42.45	24.85	2.31	38.37	31.24	74.00	-42.76	VERTICAL	Peak
2	1677.621	42.56	25.68	2.80	37.91	33.13	74.00	-40.87	VERTICAL	Peak
3	3366.778	43.38	28.82	4.09	36.99	39.30	68.20	-28.90	VERTICAL	Peak
4	4443.453	42.42	30.73	4.83	36.81	41.17	68.20	-27.03	VERTICAL	Peak
5	11400.000	40.84	39.94	8.28	37.16	51.90	74.00	-22.10	VERTICAL	Peak
6	17100.000	35.22	42.32	9.63	35.34	51.83	68.20	-16.37	VERTICAL	Peak

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



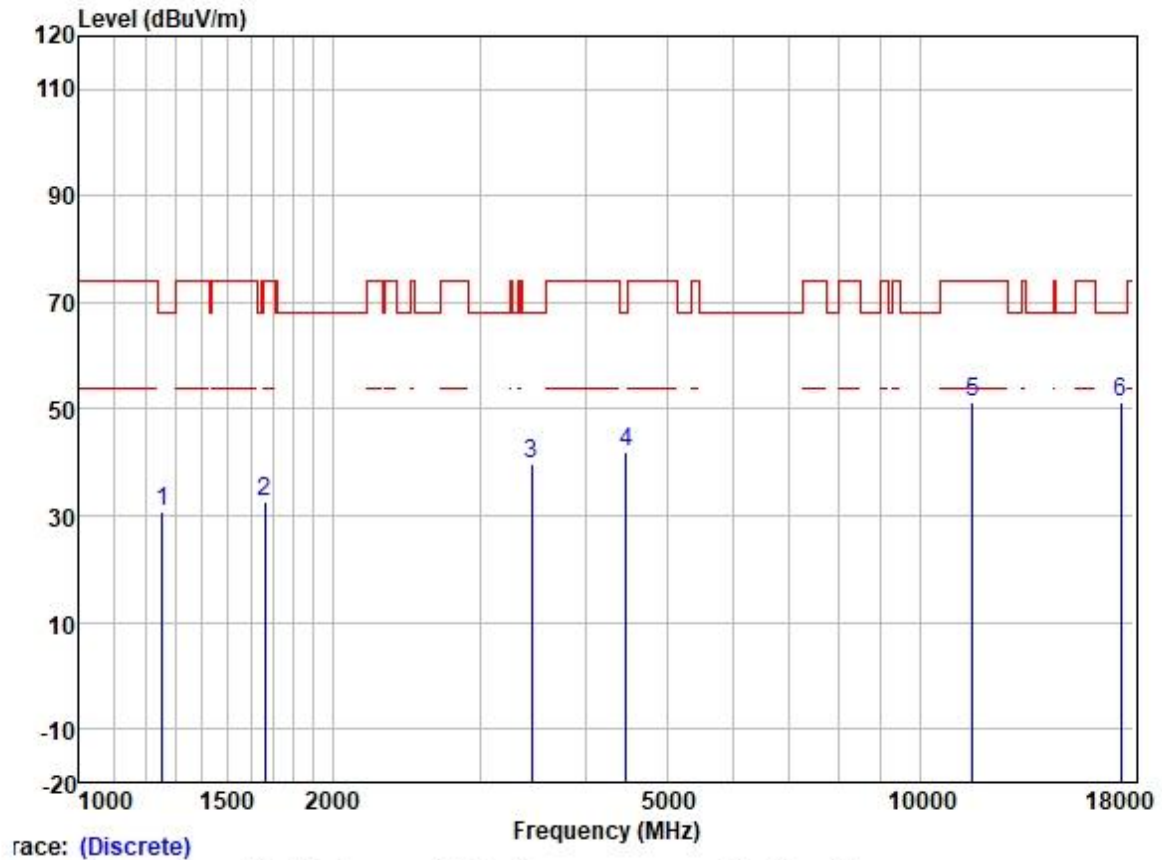
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1145.507	42.29	24.48	2.32	38.42	30.67	74.00	-43.33	HORIZONTAL	Peak
2	1574.265	42.30	25.56	2.80	38.00	32.66	74.00	-41.34	HORIZONTAL	Peak
3	3455.508	43.00	28.88	4.20	36.96	39.12	68.20	-29.08	HORIZONTAL	Peak
4	4354.454	43.08	30.59	4.68	36.81	41.54	74.00	-32.46	HORIZONTAL	Peak
5	11490.000	39.59	39.90	8.41	37.15	50.75	74.00	-23.25	HORIZONTAL	Peak
6	17235.000	32.85	43.01	10.08	35.33	50.61	68.20	-17.59	HORIZONTAL	Peak

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



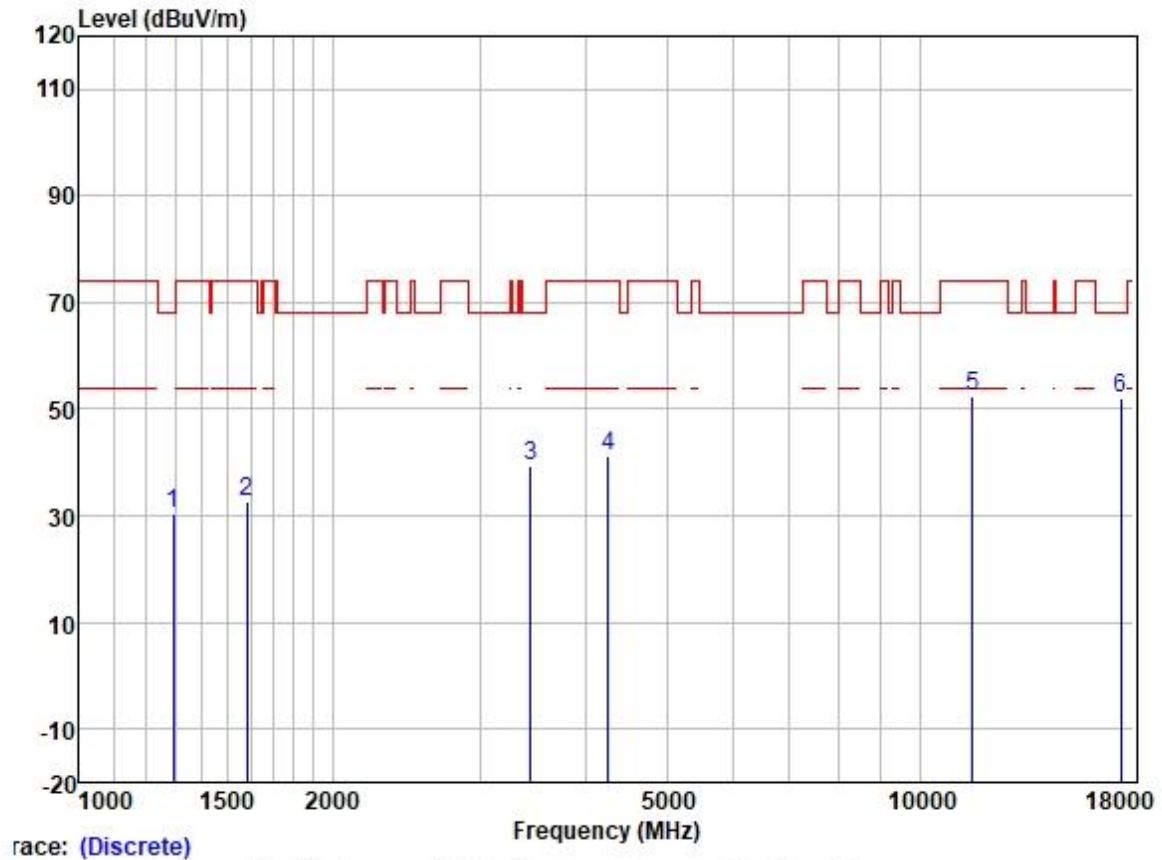
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1203.199	41.93	24.70	2.34	38.39	30.58	74.00	-43.42	VERTICAL	Peak
2	1677.621	41.61	25.68	2.80	37.91	32.18	74.00	-41.82	VERTICAL	Peak
3	3415.787	43.38	28.85	4.13	36.97	39.39	68.20	-28.81	VERTICAL	Peak
4	4417.841	42.68	30.70	4.74	36.81	41.31	68.20	-26.89	VERTICAL	Peak
5	11490.000	40.14	39.90	8.41	37.15	51.30	74.00	-22.70	VERTICAL	Peak
6	17235.000	33.58	43.01	10.08	35.33	51.34	68.20	-16.86	VERTICAL	Peak

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



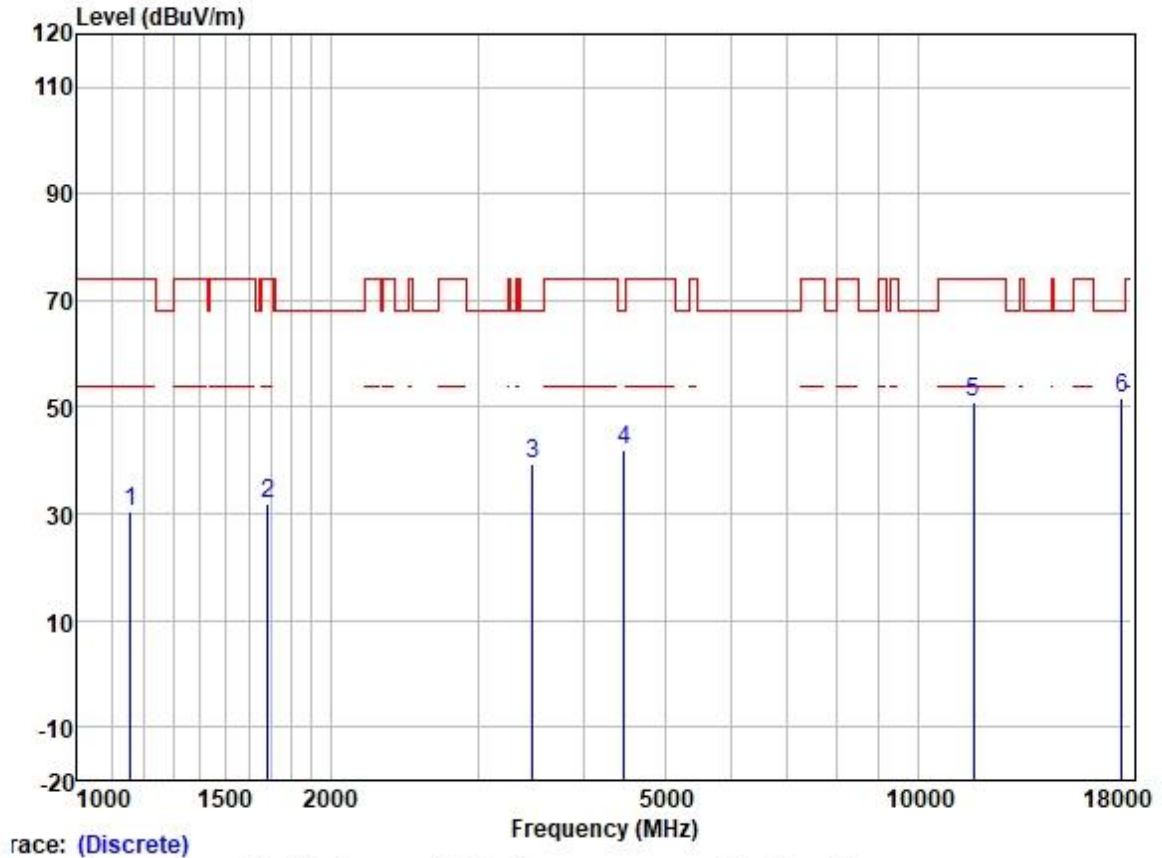
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1256.512	41.65	25.05	2.38	38.35	30.73	68.20	-37.47	HORIZONTAL	Peak
2	1663.137	42.03	25.65	2.80	37.91	32.57	74.00	-41.43	HORIZONTAL	Peak
3	3455.508	43.54	28.88	4.20	36.96	39.66	68.20	-28.54	HORIZONTAL	Peak
4	4469.214	43.15	30.77	4.93	36.81	42.04	68.20	-26.16	HORIZONTAL	Peak
5	11570.000	40.18	39.78	8.38	37.14	51.20	74.00	-22.80	HORIZONTAL	Peak
6	17355.000	32.99	43.40	10.39	35.32	51.46	68.20	-16.74	HORIZONTAL	Peak

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



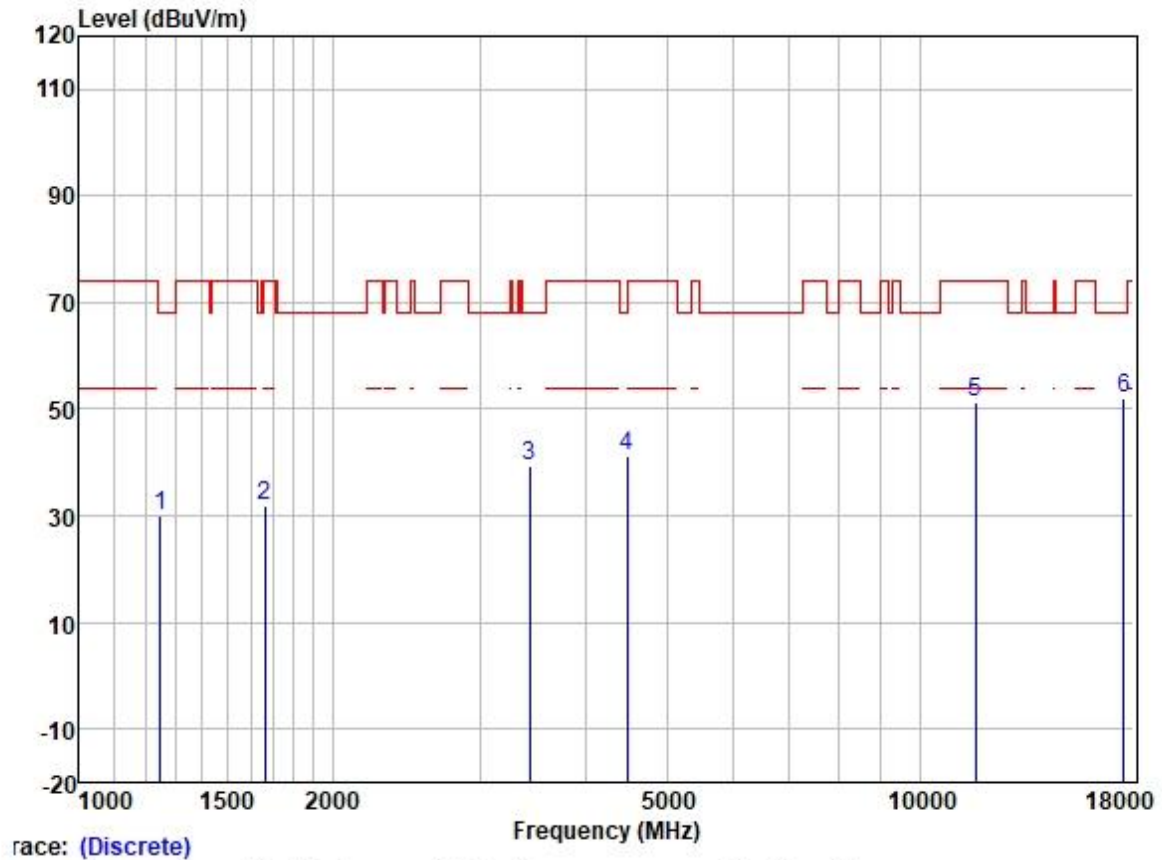
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1293.359	40.91	25.18	2.57	38.31	30.35	68.20	-37.85	VERTICAL	Peak
2	1583.392	42.22	25.56	2.80	38.00	32.58	74.00	-41.42	VERTICAL	Peak
3	3445.535	43.21	28.87	4.18	36.96	39.30	68.20	-28.90	VERTICAL	Peak
4	4254.921	43.13	30.34	4.62	36.81	41.28	74.00	-32.72	VERTICAL	Peak
5	11570.000	41.46	39.78	8.38	37.14	52.48	74.00	-21.52	VERTICAL	Peak
6	17355.000	33.57	43.40	10.39	35.32	52.04	68.20	-16.16	VERTICAL	Peak

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



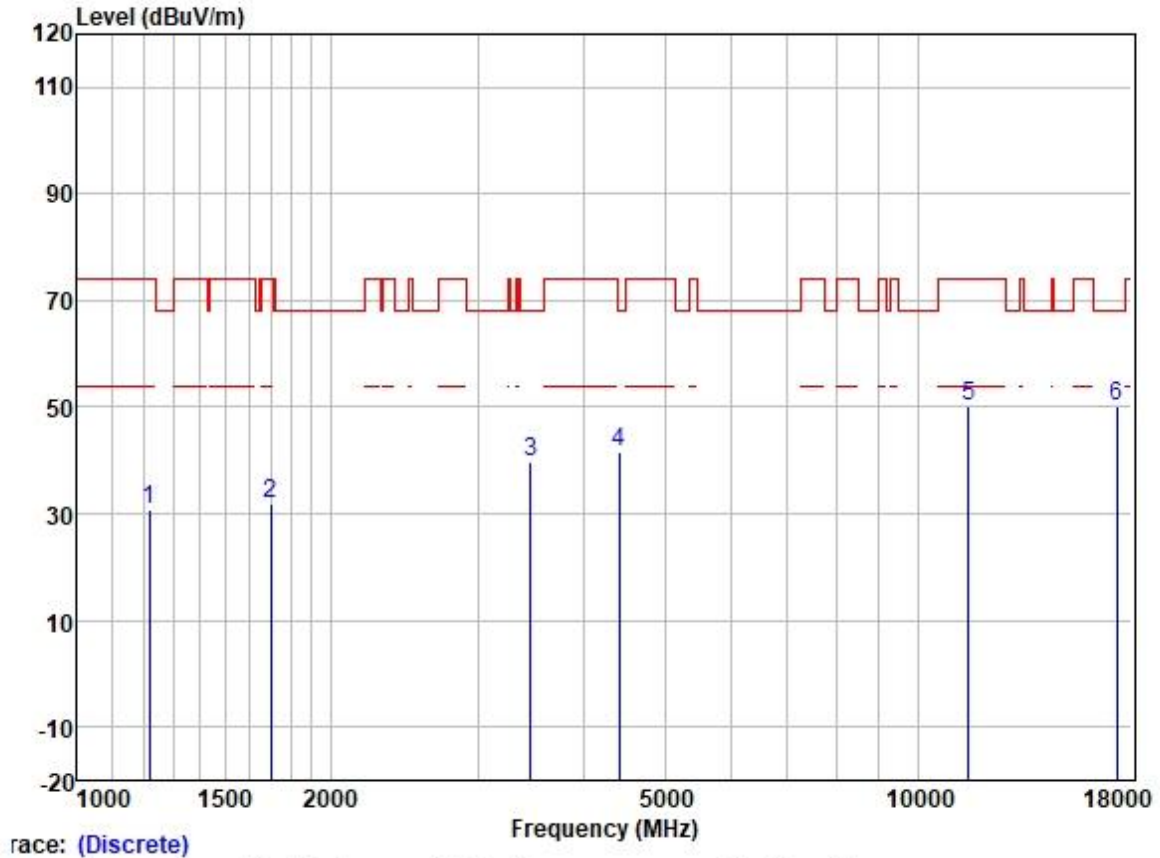
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1155.483	41.96	24.51	2.38	38.42	30.43	74.00	-43.57	HORIZONTAL	Peak
2	1687.347	41.44	25.69	2.80	37.91	32.02	74.00	-41.98	HORIZONTAL	Peak
3	3485.601	43.27	28.89	4.27	36.95	39.48	68.20	-28.72	HORIZONTAL	Peak
4	4469.214	42.93	30.77	4.93	36.81	41.82	68.20	-26.38	HORIZONTAL	Peak
5	11650.000	40.09	39.65	8.35	37.13	50.96	74.00	-23.04	HORIZONTAL	Peak
6	17475.000	32.16	43.90	10.77	35.32	51.51	68.20	-16.69	HORIZONTAL	Peak

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



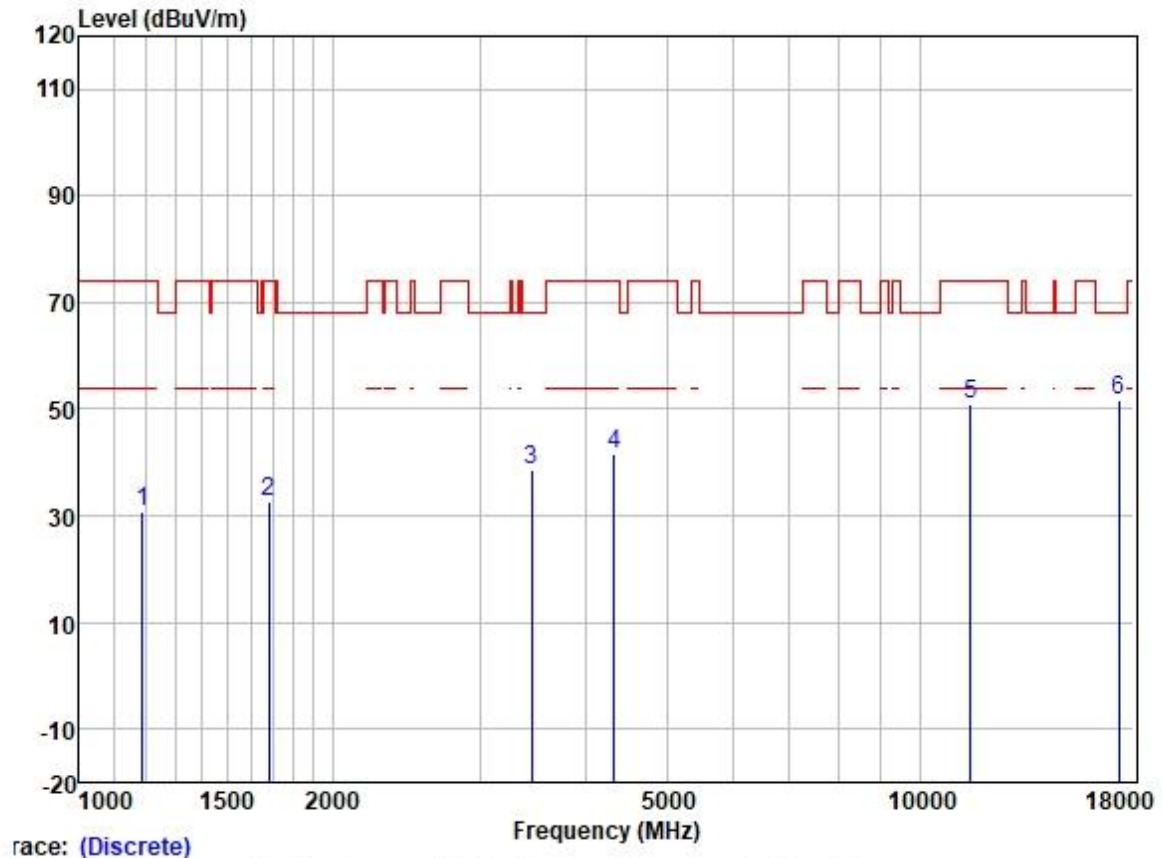
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1249.269	41.05	25.02	2.34	38.35	30.06	68.20	-38.14	VERTICAL	Peak
2	1663.137	41.46	25.65	2.80	37.91	32.00	74.00	-42.00	VERTICAL	Peak
3	3435.590	43.42	28.87	4.16	36.97	39.48	68.20	-28.72	VERTICAL	Peak
4	4482.150	42.10	30.78	4.99	36.81	41.06	68.20	-27.14	VERTICAL	Peak
5	11650.000	40.44	39.65	8.35	37.13	51.31	74.00	-22.69	VERTICAL	Peak
6	17475.000	32.77	43.90	10.77	35.32	52.12	68.20	-16.08	VERTICAL	Peak

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



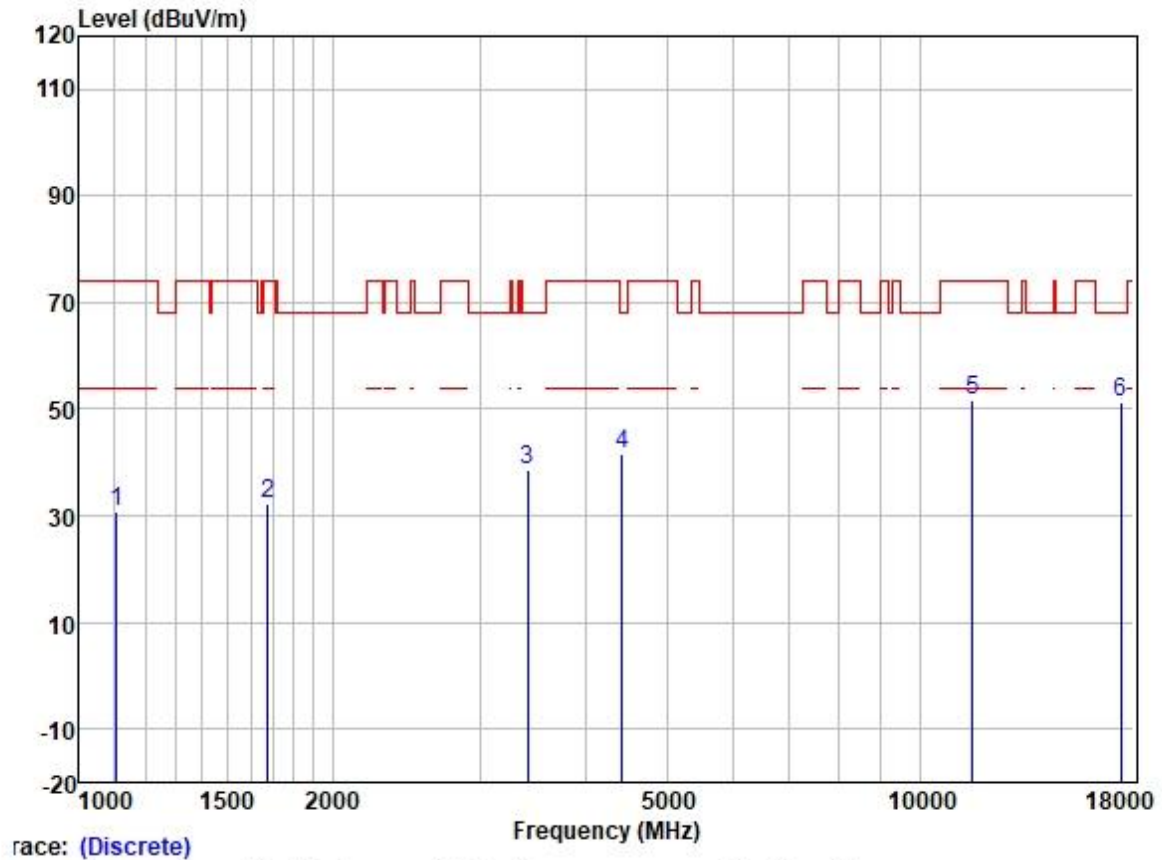
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1217.190	41.97	24.79	2.32	38.37	30.71	74.00	-43.29	HORIZONTAL	Peak
2	1697.129	41.33	25.71	2.80	37.89	31.95	74.00	-42.05	HORIZONTAL	Peak
3	3465.510	43.69	28.88	4.22	36.95	39.84	68.20	-28.36	HORIZONTAL	Peak
4	4417.841	43.08	30.70	4.74	36.81	41.71	68.20	-26.49	HORIZONTAL	Peak
5	11490.000	39.15	39.90	8.41	37.15	50.31	74.00	-23.69	HORIZONTAL	Peak
6	17235.000	32.61	43.01	10.08	35.33	50.37	68.20	-17.83	HORIZONTAL	Peak

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



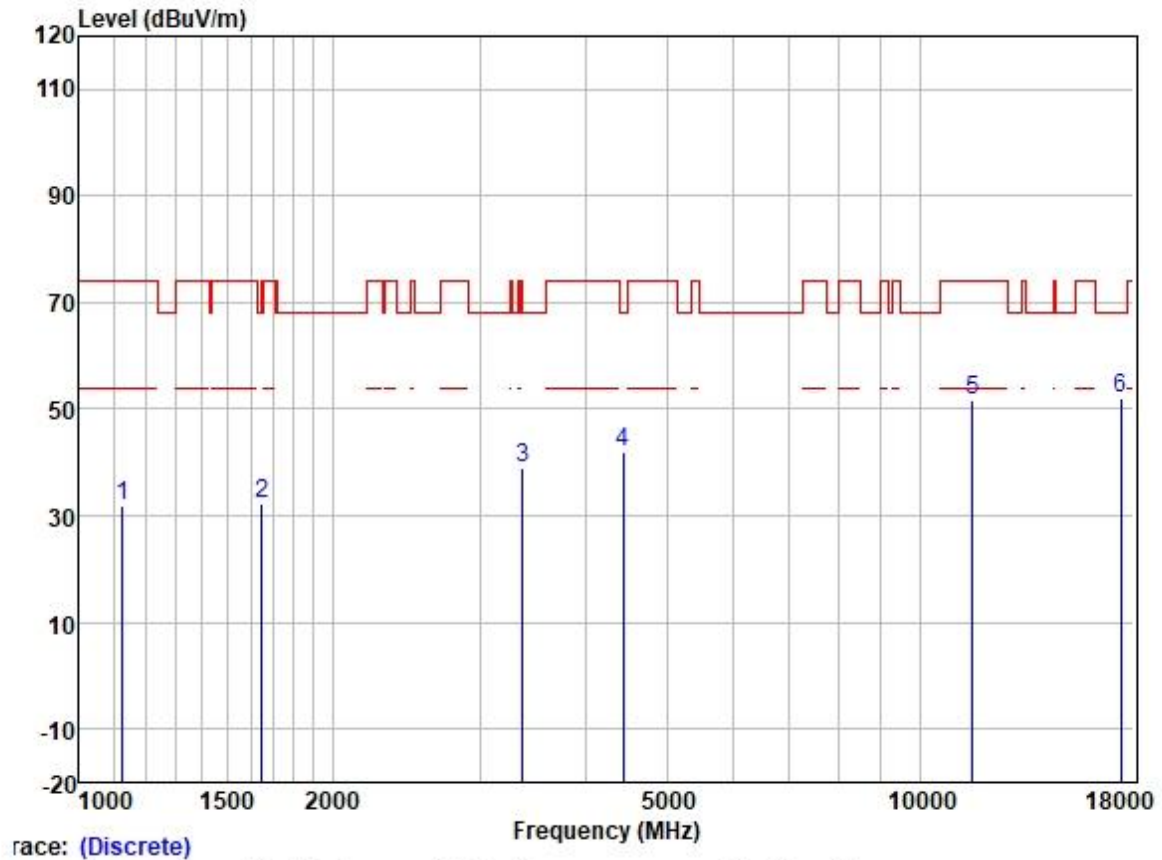
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1189.368	42.12	24.63	2.36	38.39	30.72	74.00	-43.28	VERTICAL	Peak
2	1682.477	42.15	25.68	2.80	37.91	32.72	74.00	-41.28	VERTICAL	Peak
3	3455.508	42.63	28.88	4.20	36.96	38.75	68.20	-29.45	VERTICAL	Peak
4	4329.354	43.30	30.54	4.67	36.81	41.70	74.00	-32.30	VERTICAL	Peak
5	11490.000	39.68	39.90	8.41	37.15	50.84	74.00	-23.16	VERTICAL	Peak
6	17235.000	33.97	43.01	10.08	35.33	51.73	68.20	-16.47	VERTICAL	Peak

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



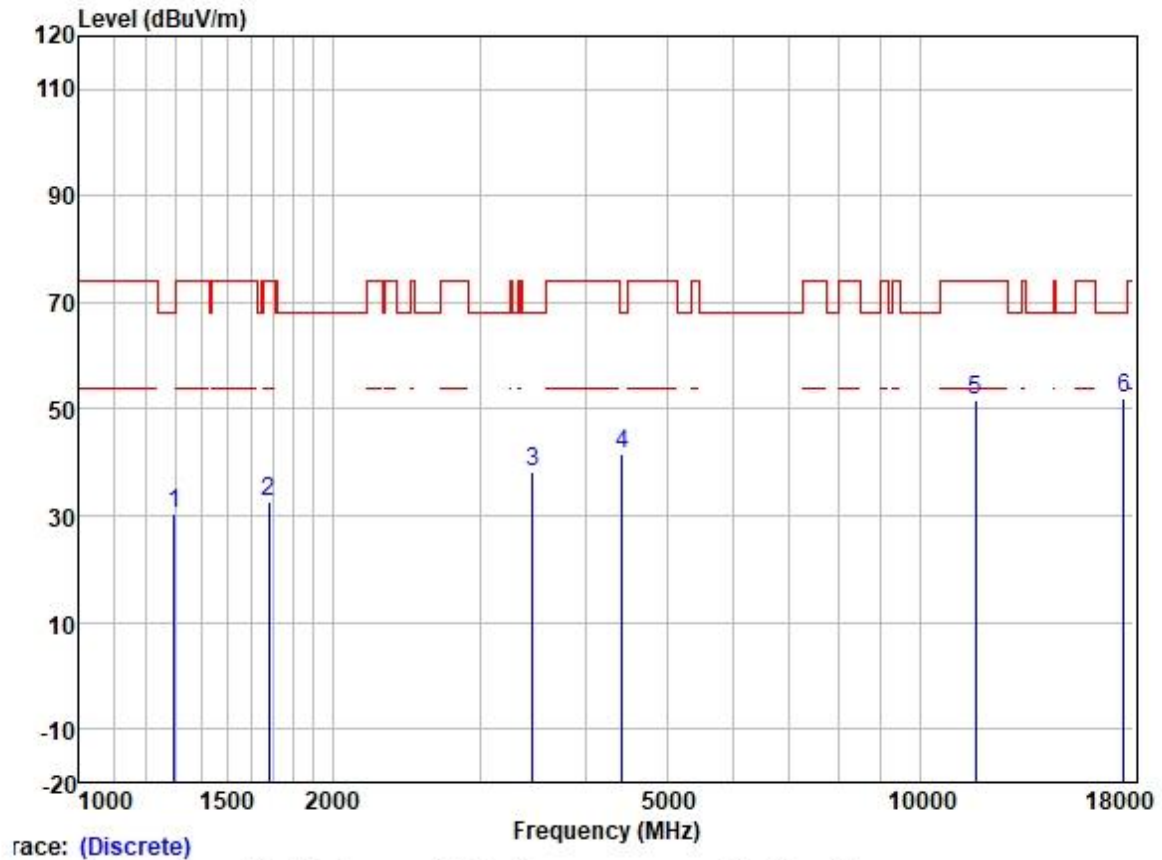
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1106.457	42.61	24.38	2.28	38.45	30.82	74.00	-43.18	HORIZONTAL	Peak
2	1677.621	41.83	25.68	2.80	37.91	32.40	74.00	-41.60	HORIZONTAL	Peak
3	3415.787	42.71	28.85	4.13	36.97	38.72	68.20	-29.48	HORIZONTAL	Peak
4	4430.628	42.85	30.72	4.78	36.81	41.54	68.20	-26.66	HORIZONTAL	Peak
5	11570.000	40.54	39.78	8.38	37.14	51.56	74.00	-22.44	HORIZONTAL	Peak
6	17355.000	32.79	43.40	10.39	35.32	51.26	68.20	-16.94	HORIZONTAL	Peak

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



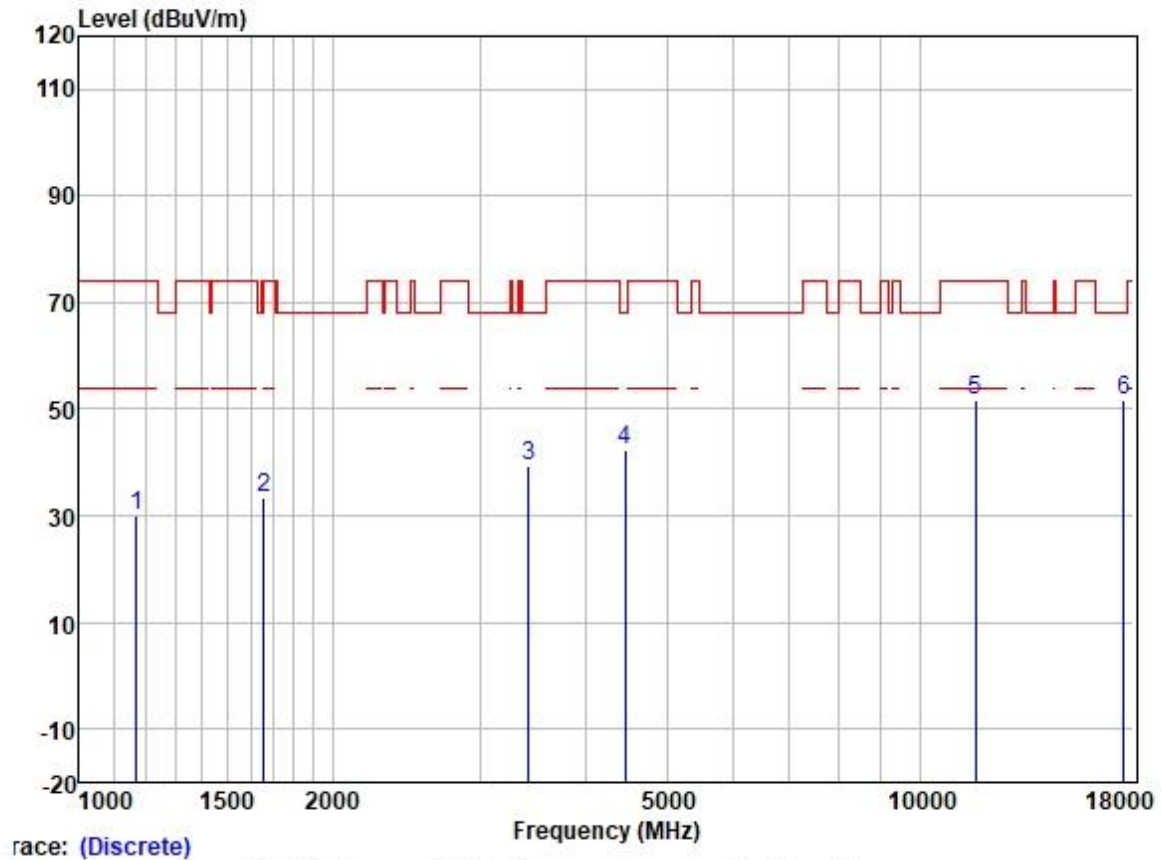
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1125.813	43.60	24.42	2.21	38.43	31.80	74.00	-42.20	VERTICAL	Peak
2	1648.778	41.83	25.63	2.80	37.93	32.33	68.20	-35.87	VERTICAL	Peak
3	3366.778	43.11	28.82	4.09	36.99	39.03	68.20	-29.17	VERTICAL	Peak
4	4443.453	43.15	30.73	4.83	36.81	41.90	68.20	-26.30	VERTICAL	Peak
5	11570.000	40.60	39.78	8.38	37.14	51.62	74.00	-22.38	VERTICAL	Peak
6	17355.000	33.64	43.40	10.39	35.32	52.11	68.20	-16.09	VERTICAL	Peak

Test Mode: 13; 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	1297.103	41.12	25.19	2.58	38.31	30.58	68.20	-37.62	HORIZONTAL	Peak
2	1682.477	42.06	25.68	2.80	37.91	32.63	74.00	-41.37	HORIZONTAL	Peak
3	3465.510	42.27	28.88	4.22	36.95	38.42	68.20	-29.78	HORIZONTAL	Peak
4	4430.628	42.90	30.72	4.78	36.81	41.59	68.20	-26.61	HORIZONTAL	Peak
5	11650.000	40.84	39.65	8.35	37.13	51.71	74.00	-22.29	HORIZONTAL	Peak
6	17475.000	32.87	43.90	10.77	35.32	52.22	68.20	-15.98	HORIZONTAL	Peak

Test Mode: 13; 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	1168.920	41.31	24.55	2.39	38.40	29.85	74.00	-44.15	VERTICAL	Peak
2	1658.337	42.93	25.65	2.80	37.93	33.45	68.20	-34.75	VERTICAL	Peak
3	3425.675	43.26	28.86	4.15	36.97	39.30	68.20	-28.90	VERTICAL	Peak
4	4456.315	43.67	30.75	4.88	36.81	42.49	68.20	-25.71	VERTICAL	Peak
5	11650.000	40.95	39.65	8.35	37.13	51.82	74.00	-22.18	VERTICAL	Peak
6	17475.000	32.37	43.90	10.77	35.32	51.72	68.20	-16.48	VERTICAL	Peak

8 Test Setup Photo

Refer to Appendix - Test Setup Photos for GZCR2112021517AT

9 EUT Constructional Details (EUT Photos)

Refer to Appendix – External and Internal Photos for GZCR2112021517AT

- End of the Report -