



TEST REPORT

Application No.: GZCR2112021591AT
Applicant: Poynt, LLC
Address of Applicant: 3032 Bunker Hill Lane Santa Clara California 95054 United States
Manufacturer: Beijing Wiseasy Technology CO., Ltd.
Address of Manufacturer: 7thFloor, Block B, Wangxin Mansion, No.28 Xiaoyun Road, Chaoyang District, 100027, Beijing, China.
Factory: BYD Precision Manufacture Co., Ltd.
Address of Factory: Baolong Industrial Park, 3001 Baohe Rd., Longgang District, Shenzhen, P.R.C
Equipment Under Test (EUT):
EUT Name: Poynt Smart Terminal V3.0
Model No.: PST3
Trade Mark: POYNT
Standard(s) : 47 CFR Part 15, Subpart E 15.407
Date of Receipt: 2021-11-30
Date of Test: 2021-12-01 to 2021-12-30
Date of Issue: 2022-01-06

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

Kobe Jian
EMC Laboratory Manager



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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2022-01-06		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.

This report is prepared for FCC class II permissive change.

The Original grant approval by TCB, FCC ID:2AFD7-PST3, Granted on 11/02/2021.

Review this report and original report, this report just changed the 5-inch screen.

According to the declaration from the applicant, the model in this report and the model in original report is identical in electrical circuit design, layout, components used, antenna type, antenna gain and internal wiring, with only difference on the 5-inch screen.

Therefore in this report Conducted Emissions at AC Power Line (150kHz-30MHz), Radiated Emissions which fall in the restricted bands, Radiated Emissions below 1GHz, Radiated Emissions Above 1GHz were fully retested on model PST3.



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4 General Information

4.1 Details of E.U.T.

Power supply: Switching Adapter
Model: ASSA13W-050300
Input: AC 100-240V, 50/60Hz, 0.6A
Output: DC 5.0V, 3.0A, 15.0W

Battery
DESAY Model No.: 2532002
DC 3.7V, 5900mAh, 21.83Wh

DOCKING STATION
Rating: DC 5V, 3A

Test Voltage: AC 120V, 60Hz or AC 240V, 50Hz

Note: Both nominal AC 120V, 60Hz and AC 240 V, 50Hz are required for testing in accordance with FCC KDB174176, this report only shows the results of the worst test result(AC 120V, 60Hz);

Cable(s): USB cable:143cm unshielded

Operation Frequency:

Band	Mode	Frequency Range(MHz)	Number of channels
UNII Band I	802.11a/n(HT20)/ac(HT20)	5180-5240	4
	802.11n(HT40)/ac(HT40)	5190-5230	2
	802.11ac(HT80)	5210	1
UNII Band II-A	802.11a/n(HT20)/ac(HT20)	5260-5320	4
	802.11n(HT40)/ac(HT40)	5270-5310	2
	802.11ac(HT80)	5290	1
UNII Band II-C	802.11a/n(HT20)/ac(HT20)	5500-5700	8
	802.11n(HT40)/ac(HT40)	5510-5670	5
	802.11ac(HT80)	5530,5610	2
UNII Band III	802.11a/n(HT20)/ac(HT20)	5745-5825	5
	802.11n(HT40)/ac(HT40)	5755-5795	2
	802.11ac(HT80)	5775	1

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

DFS Function: Slave without radar detection

TPC Function: Not support

Antenna Type: FPC

Antenna Gain: UNII Band I/UNII Band II-A/UNII Band II-C: 2.5dBi
UNII Band III: 1.5dBi



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4.2 Description of Support Units

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

4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at AC Power Line (150kHz-30MHz)	±2.76dB
Radiated Emissions which fall in the restricted bands	±5.00dB (30MHz-1GHz; 3m);±4.38dB (30MHz-1GHz; 10m);± 4.52dB (1GHz-6GHz);± 4.54dB (above 6GHz)
Radiated Emissions (below 1GHz)	±5.00dB (30MHz-1GHz; 3m);±4.38dB (30MHz-1GHz; 10m)
Radiated Emissions (above 1GHz)	± 4.52dB (1GHz-6GHz);± 4.54dB (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.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



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5 Equipment List

Conducted Emissions at AC Power Line (150kHz-30MHz)					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Shielding Room	ChangZhou ZhongYu	8m x 3m x 3.8m	EMC0306	N/A	N/A
Two-Line V-Network	Rohde & Schwarz	ENV216	EMC0118	2021-01-08	2022-01-06
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	2021-06-01	2022-05-31

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



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Radiated Spurious Emissions (Below 1GHz)					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
EMI Test Receiver(10Hz-26.5GHz)	Rohde & Schwarz	ESIB26	EMC0522	2021-12-17	2022-12-16
Chamber cable	HangTianXing	N/A	EMC0542	2020-09-09	2022-09-08
Trilog Broadband Antenna(25MHz-1GHz)-Lab	SCHWARZBECK MESS-ELEKTRONIK	VULB 9168	SEM003-18	2019-02-22	2022-02-22
Amplifier(9kHz-1.3GHz)	HP	8447F	EMC2065	2021-05-19	2022-05-18
High Pass Filter (915MHz)	FSY MICROWAVE	HM1465-9SS	EMC2079	2021-12-17	2022-12-16
10m Semi-Anechoic Chamber	ETS	N/A	EMC0530	2019-10-20	2022-10-19
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A
EMI Test Receiver(1Hz-8GHz)	Rohde & Schwarz	ESW8	EMC2220	2021-05-26	2022-05-25

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



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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



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6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

6.1.2 Conclusion

15.203 Requirement:

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

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the Antenna of UNII Band I/UNII Band II-A/UNII Band II-C: 2.5dBi, UNII Band III is 1.5dBi.

Antenna location: Refer to external 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

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 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.



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7 Radio Spectrum Matter Test Results

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

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

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

Limit:

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

*Decreases with the logarithm of the frequency.

7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 24.6 °C

Humidity: 49.5 % RH

Atmospheric Pressure: 1020 mbar

7.1.2 Test Mode Description

Pre-scan / Mode
Final test Code

Description

Final test 34

Charge + TX mode (U-NII-1)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

Pre-scan 36

Charge + TX mode (U-NII-2A)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

Pre-scan 38

Charge + TX mode (U-NII-2C)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.



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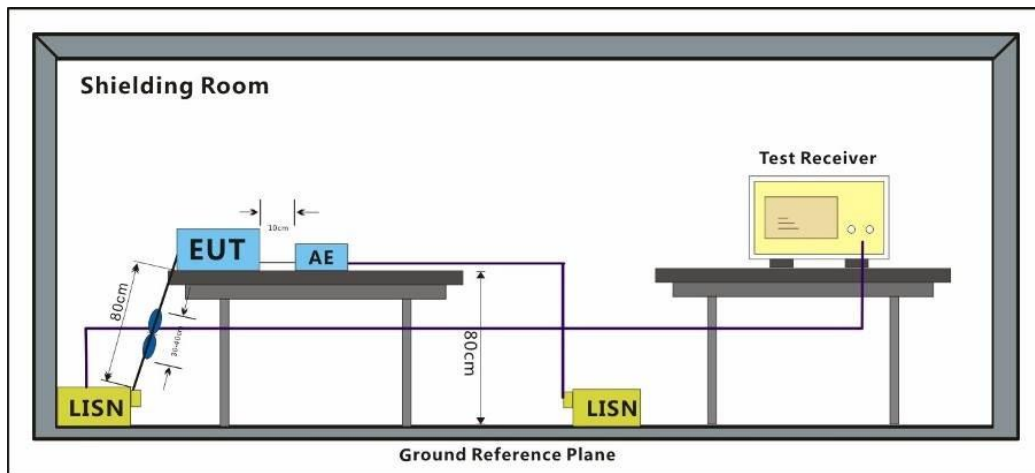
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Pre-scan 40

802.11ac(VHT80). Only the data of worst case is recorded in the report.

Charge + TX mode (U-NII-3)_Keep the EUT in charging and continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

7.1.3 Test Setup Diagram

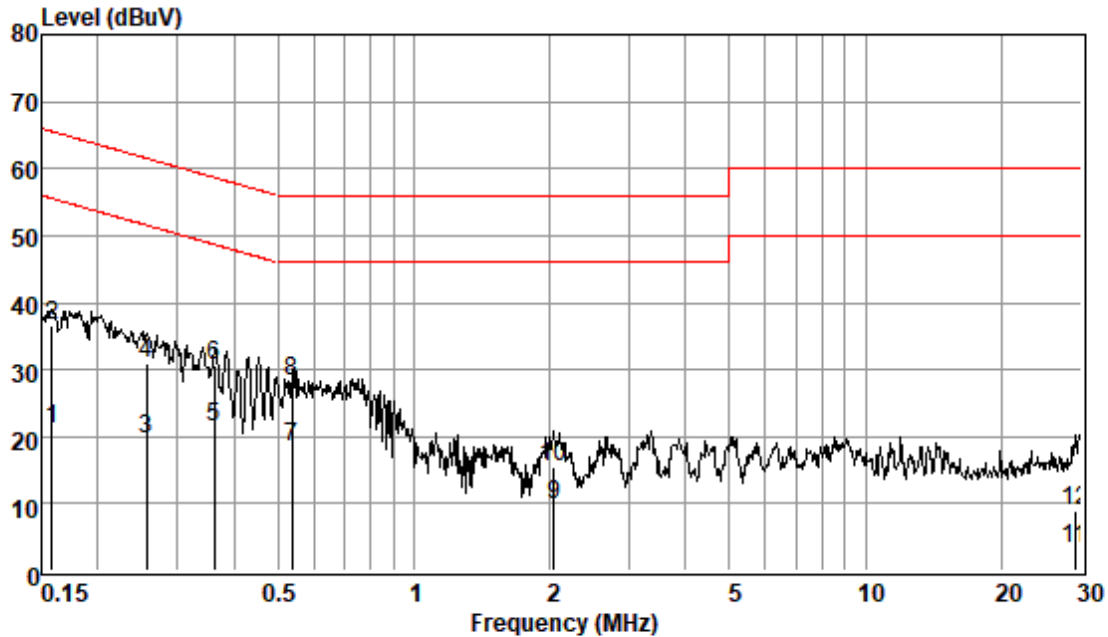


7.1.4 Measurement Procedure and Data

- 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.

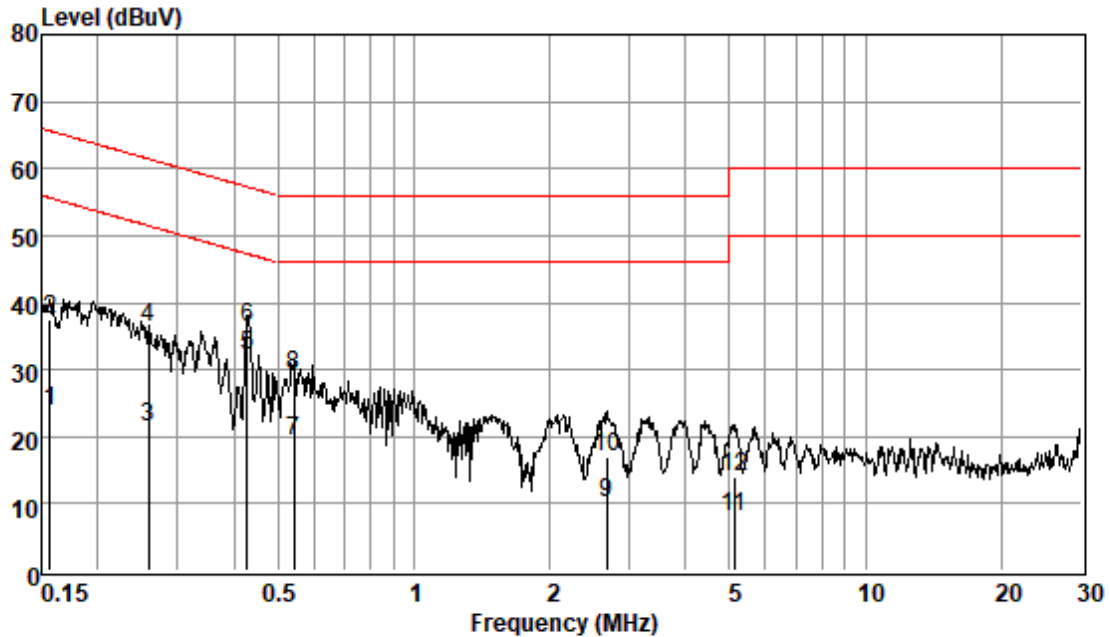
Remark: LISN=Read Level+ Cable Loss+ LISN Factor

Test Mode: 40; Line: Live line; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

Pol :LINE
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	11.38	0.06	9.62	21.06	55.56	-34.50	Average
0.16	26.91	0.06	9.62	36.59	65.56	-28.97	QP
0.26	9.92	0.06	9.62	19.60	51.56	-31.96	Average
0.26	21.13	0.06	9.62	30.81	61.56	-30.75	QP
0.36	11.58	0.06	9.63	21.27	48.69	-27.42	Average
0.36	20.95	0.06	9.63	30.64	58.69	-28.05	QP
0.54	8.74	0.07	9.63	18.44	46.00	-27.56	Average
0.54	18.44	0.07	9.63	28.14	56.00	-27.86	QP
2.04	0.06	0.12	9.62	9.80	46.00	-36.20	Average
2.04	5.64	0.12	9.62	15.38	56.00	-40.62	QP
29.06	-7.23	0.44	9.97	3.18	50.00	-46.82	Average
29.06	-1.42	0.44	9.97	8.99	60.00	-51.01	QP

Test Mode: 40; Line: Neutral Line; Modulation:802.11ac; 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	14.31	0.06	9.55	23.92	55.65	-31.73	Average
0.16	27.80	0.06	9.55	37.41	65.65	-28.24	QP
0.26	11.66	0.06	9.55	21.27	51.47	-30.20	Average
0.26	26.75	0.06	9.55	36.36	61.47	-25.11	QP
0.43	22.39	0.06	9.56	32.01	47.29	-15.28	Average
0.43	26.80	0.06	9.56	36.42	57.29	-20.87	QP
0.54	9.83	0.07	9.55	19.45	46.00	-26.55	Average
0.54	19.52	0.07	9.55	29.14	56.00	-26.86	QP
2.68	0.39	0.14	9.55	10.08	46.00	-35.92	Average
2.68	7.26	0.14	9.55	16.95	56.00	-39.05	QP
5.11	-1.83	0.18	9.56	7.91	50.00	-42.09	Average
5.11	4.09	0.18	9.56	13.83	60.00	-46.17	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: 23.7 °C Humidity: 56.3 % RH Atmospheric Pressure: 1020 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	33	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	34	Charge + TX mode (U-NII-1)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Pre-scan	35	TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	36	Charge + TX mode (U-NII-2A)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Pre-scan	37	TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	38	Charge + TX mode (U-NII-2C)_Keep the EUT in charging and continuously transmitting mode with all modulation types. All data rates for each



Pre-scan 39

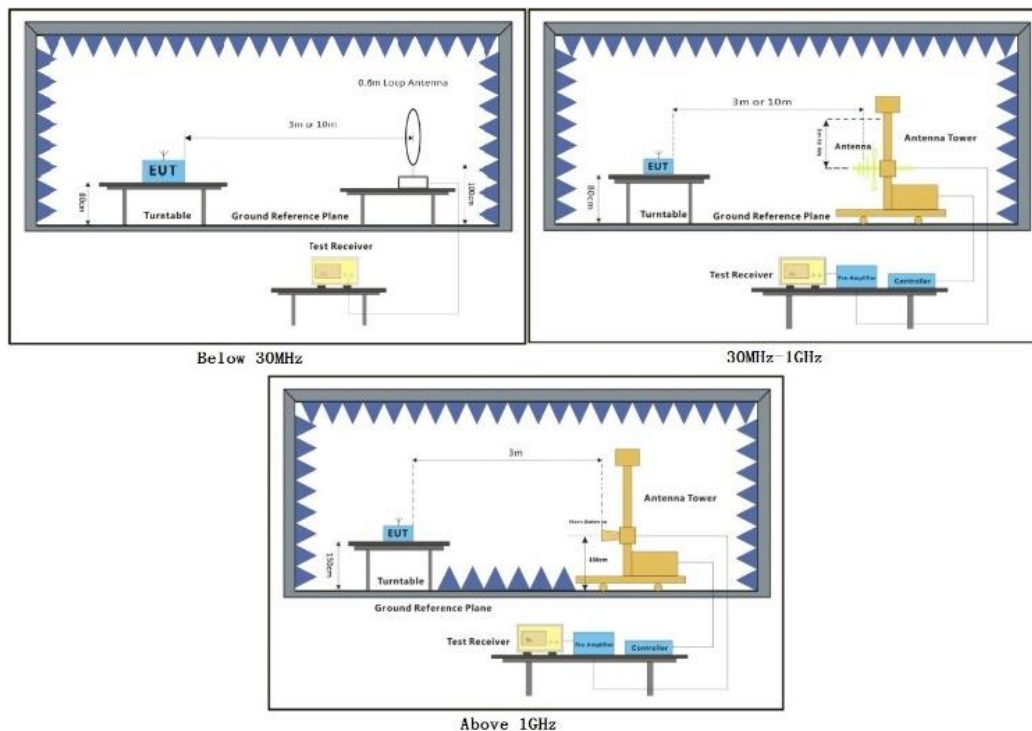
Final test 40

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); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

Charge + TX mode (U-NII-3)_Keep the EUT in charging and continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

7.2.3 Test Setup Diagram



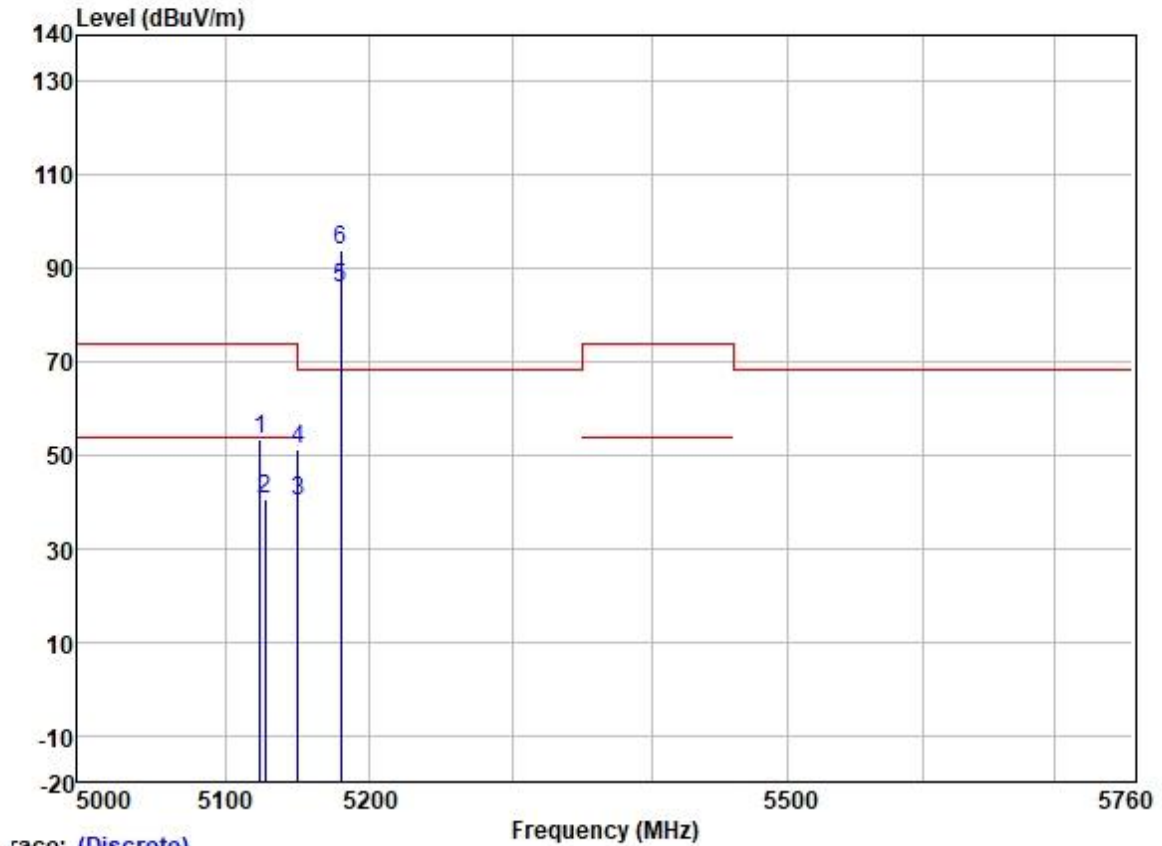
7.2.4 Measurement Procedure and Data

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

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



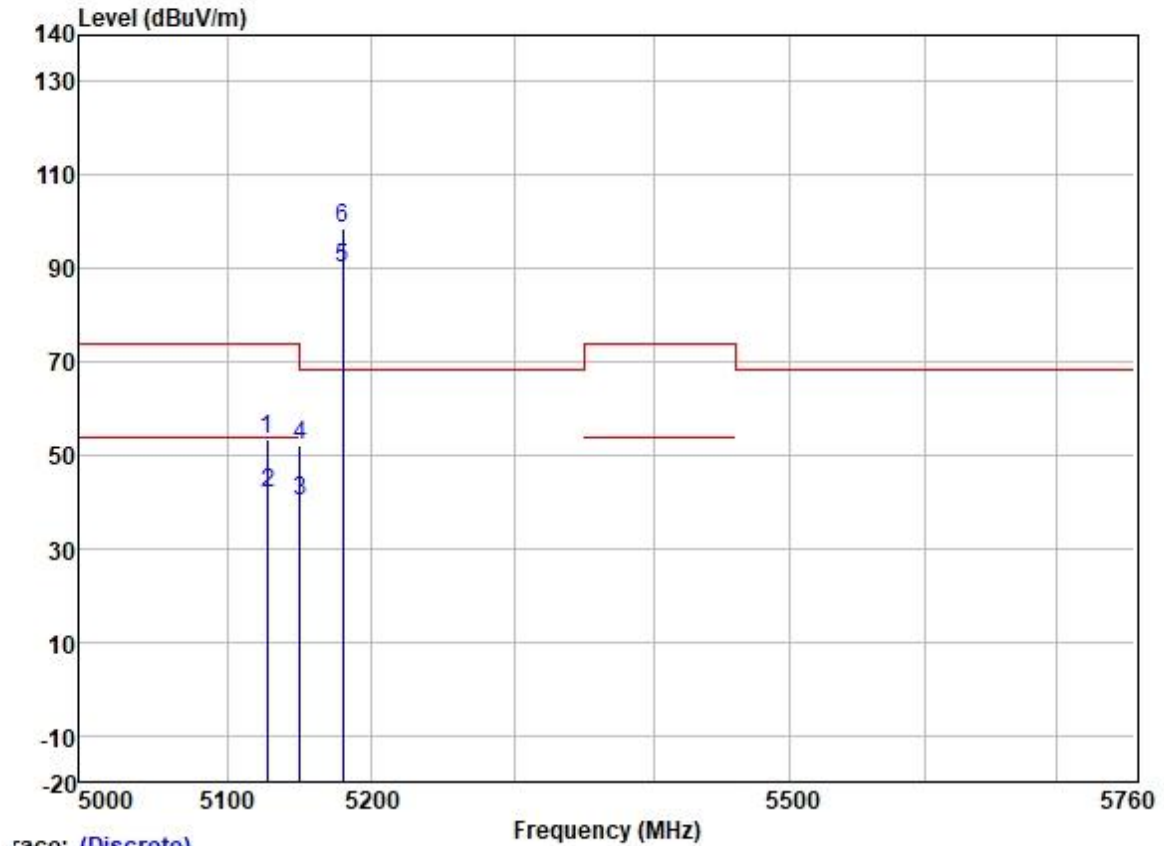
Test Mode: 34; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

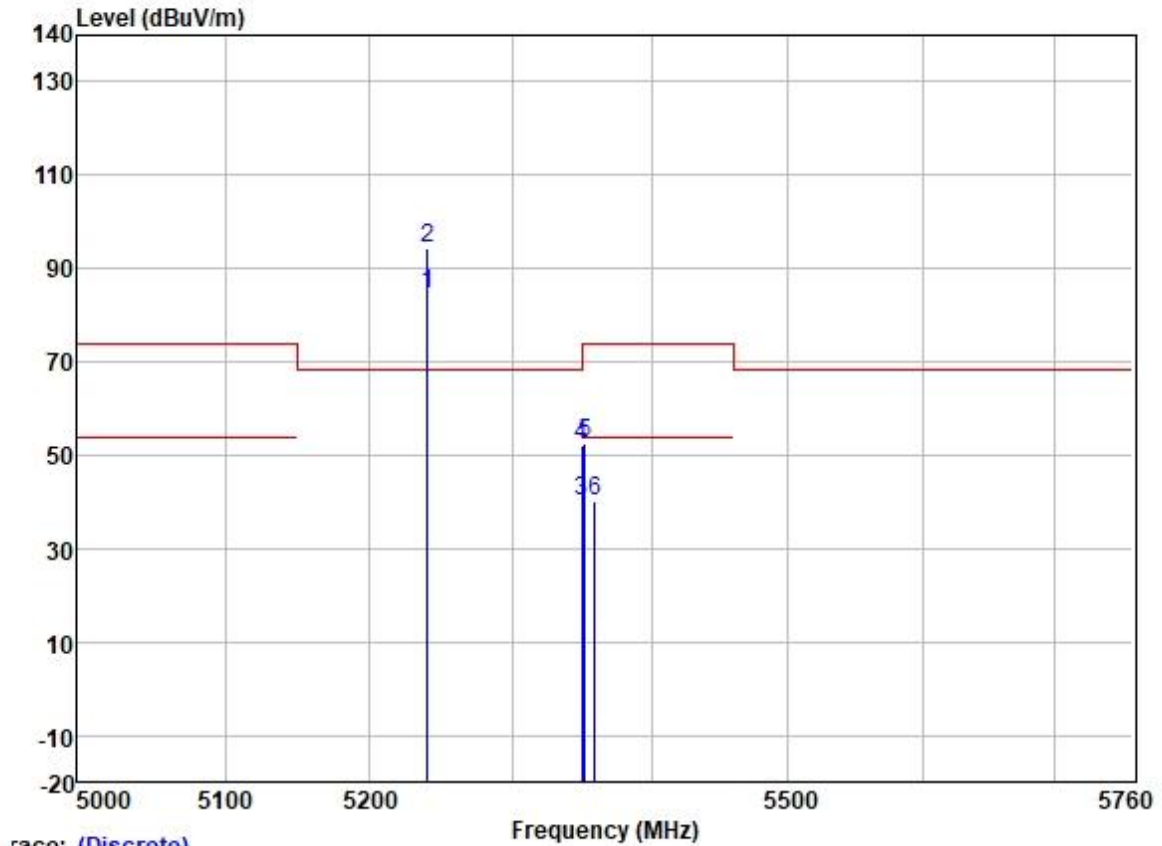
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5123.724	52.69	31.72	5.64	36.86	53.19	74.00	-20.81	HORIZONTAL Peak
2	5127.506	40.27	31.72	5.63	36.86	40.76	54.00	-13.24	HORIZONTAL Average
3	5149.980	39.58	31.72	5.62	36.86	40.06	54.00	-13.94	HORIZONTAL Average
4	5149.980	50.96	31.72	5.62	36.86	51.44	74.00	-22.56	HORIZONTAL Peak
5	5180.000	85.38	31.73	5.61	36.87	85.85	-----	-----	HORIZONTAL Average
6 *	5180.000	93.48	31.73	5.61	36.87	93.95	68.20	25.75	HORIZONTAL Peak

Test Mode: 34; 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	5127.605	52.94	31.72	5.63	36.86	53.43	74.00	-20.57	VERTICAL	Peak
2	5127.805	41.37	31.72	5.63	36.86	41.86	54.00	-12.14	VERTICAL	Average
3	5149.980	39.57	31.72	5.62	36.86	40.05	54.00	-13.95	VERTICAL	Average
4	5149.980	51.44	31.72	5.62	36.86	51.92	74.00	-22.08	VERTICAL	Peak
5	5180.000	89.45	31.73	5.61	36.87	89.92	-----	-----	VERTICAL	Average
6 *	5180.000	98.30	31.73	5.61	36.87	98.77	68.20	30.57	VERTICAL	Peak

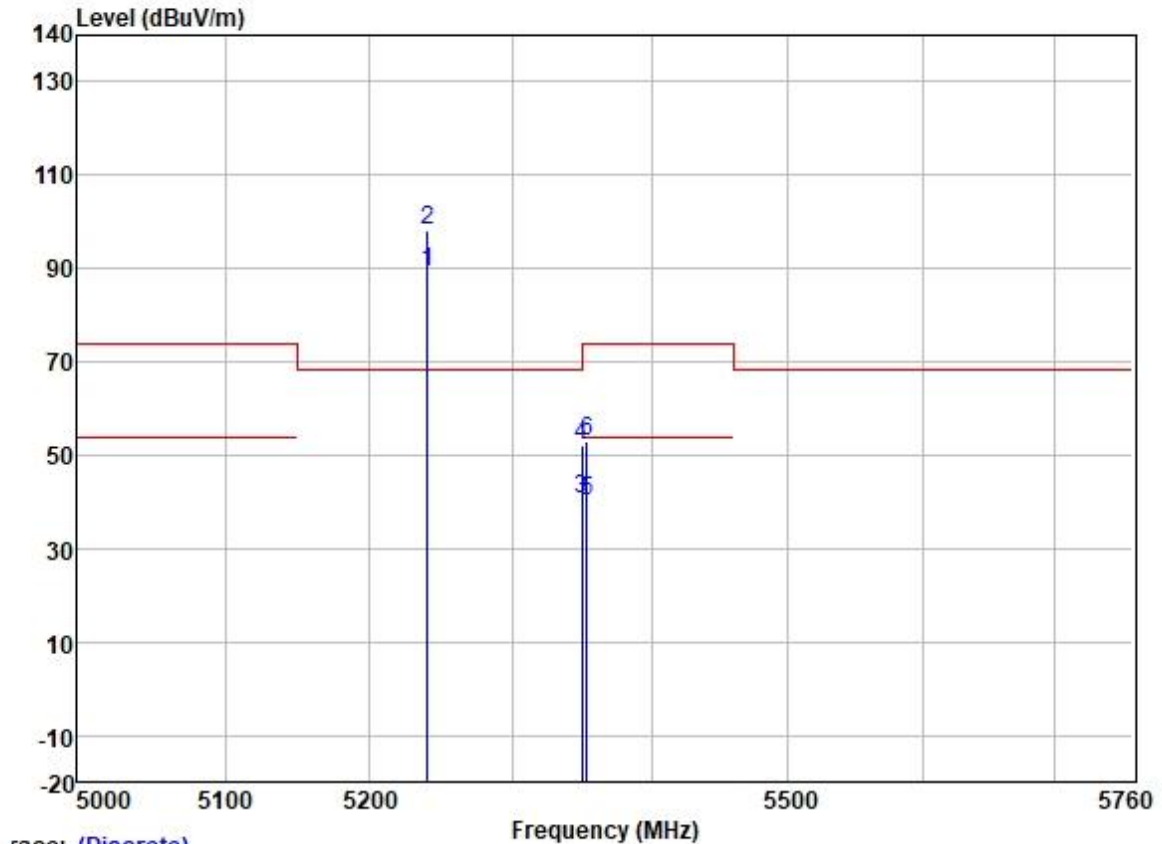
Test Mode: 34; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5240.000	84.10	31.75	5.74	36.87	84.72	-----	-----	HORIZONTAL Average
2 *	5240.000	93.53	31.75	5.74	36.87	94.15	68.20	25.95	HORIZONTAL Peak
3	5350.020	39.21	31.77	6.05	36.88	40.15	54.00	-13.85	HORIZONTAL Average
4	5350.020	50.96	31.77	6.05	36.88	51.90	74.00	-22.10	HORIZONTAL Peak
5	5351.778	51.76	31.77	6.05	36.88	52.70	74.00	-21.30	HORIZONTAL Peak
6	5359.007	39.44	31.78	6.03	36.88	40.37	54.00	-13.63	HORIZONTAL Average

Test Mode: 34; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

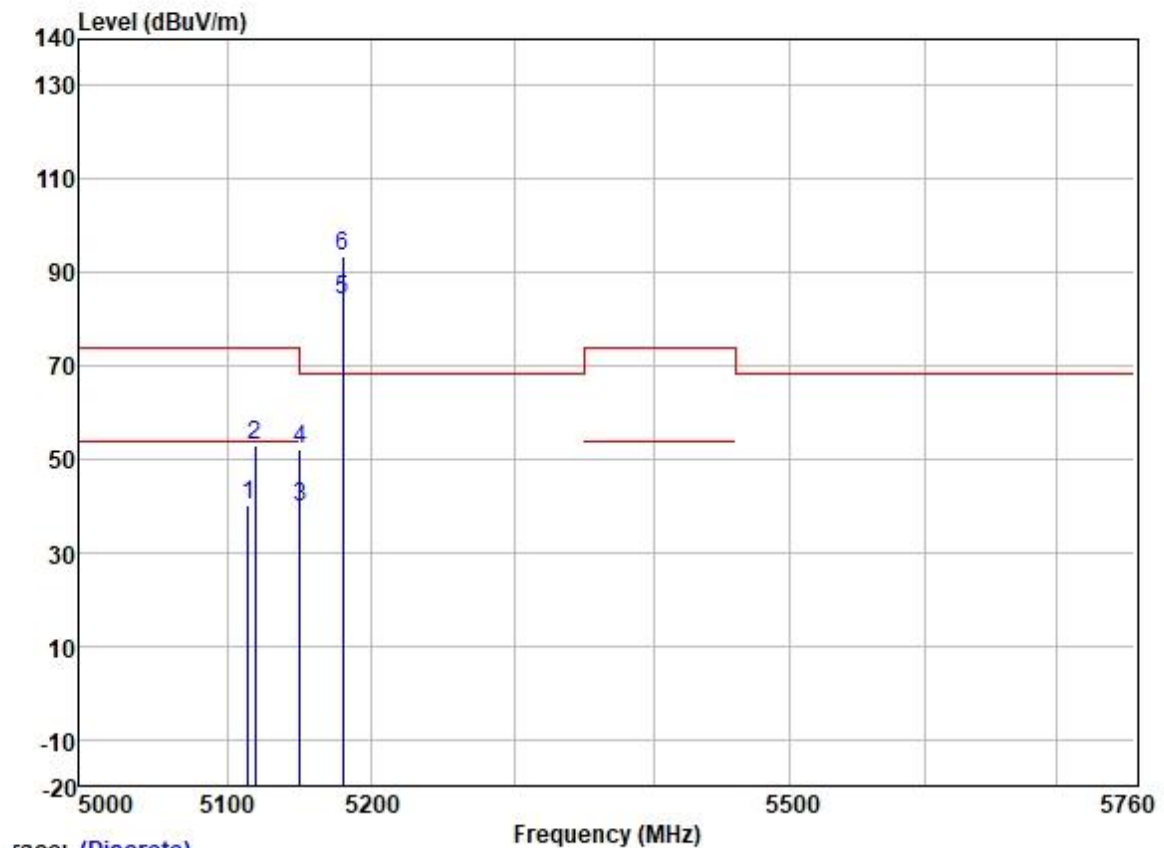
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5240.000	88.72	31.75	5.74	36.87	89.34	-----	-----	VERTICAL Average
2	* 5240.000	97.41	31.75	5.74	36.87	98.03	68.20	29.83	VERTICAL Peak
3	5350.020	39.49	31.77	6.05	36.88	40.43	54.00	-13.57	VERTICAL Average
4	5350.020	51.16	31.77	6.05	36.88	52.10	74.00	-21.90	VERTICAL Peak
5	5353.195	39.32	31.77	6.05	36.88	40.26	54.00	-13.74	VERTICAL Average
6	5353.337	52.03	31.77	6.05	36.88	52.97	74.00	-21.03	VERTICAL Peak



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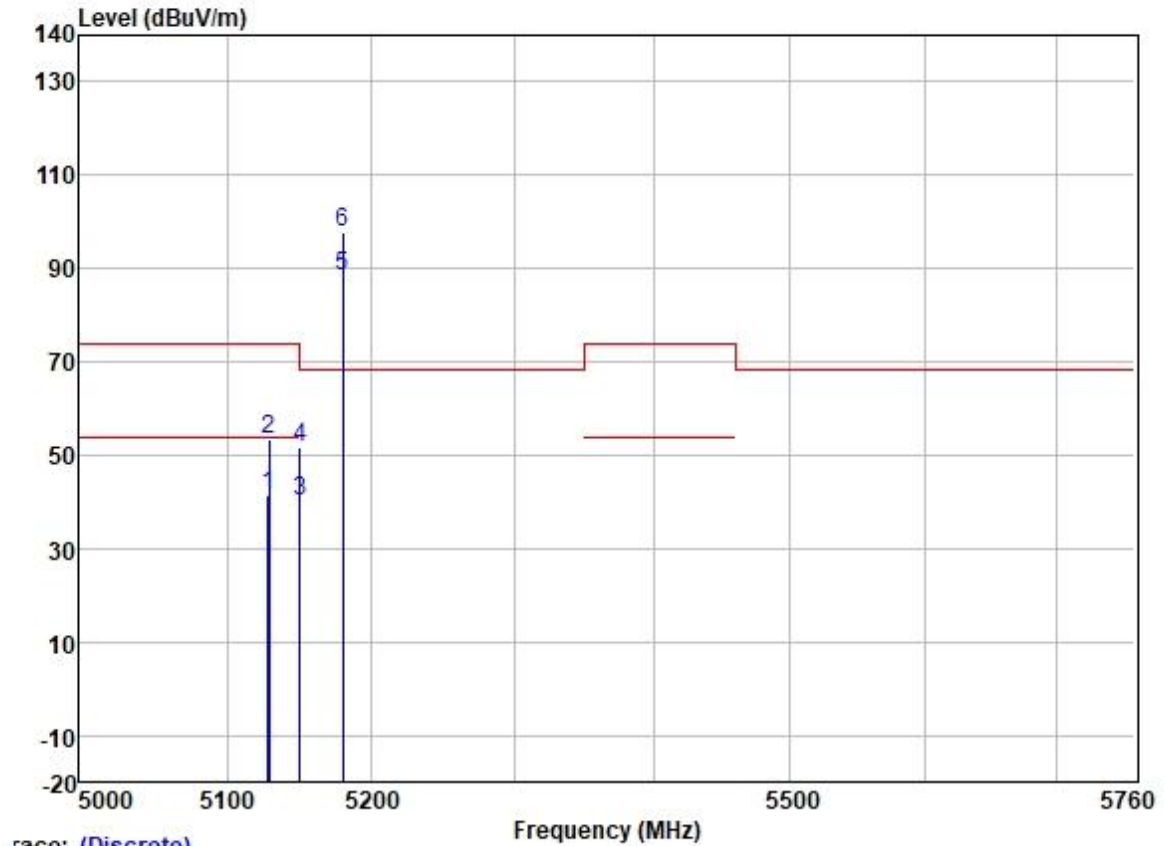
Test Mode: 34; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



race: (Discrete)

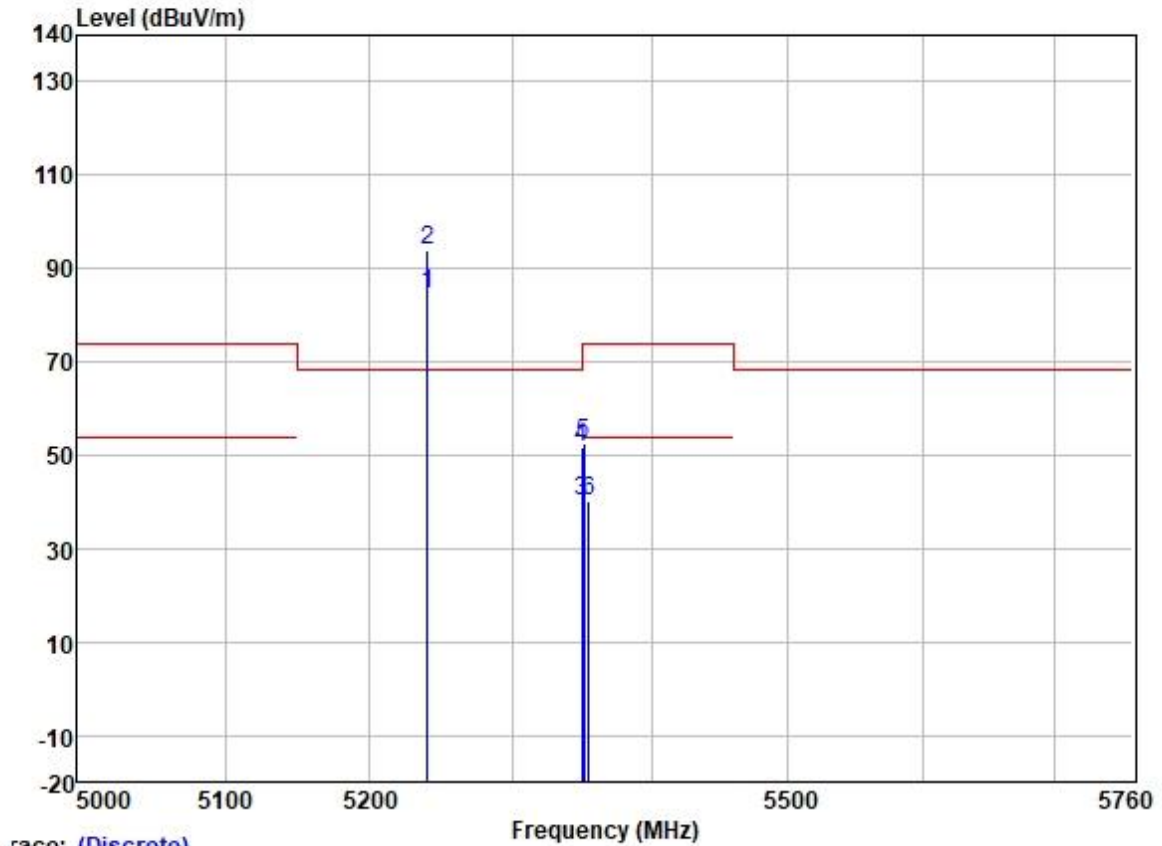
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5114.281	39.82	31.72	5.64	36.86	40.32	54.00	-13.68	HORIZONTAL	Average
2	5119.149	52.41	31.72	5.64	36.86	52.91	74.00	-21.09	HORIZONTAL	Peak
3	5149.980	39.46	31.72	5.62	36.86	39.94	54.00	-14.06	HORIZONTAL	Average
4	5149.980	51.42	31.72	5.62	36.86	51.90	74.00	-22.10	HORIZONTAL	Peak
5	5180.000	83.64	31.73	5.61	36.87	84.11	-----	-----	HORIZONTAL	Average
6 *	5180.000	93.18	31.73	5.61	36.87	93.65	68.20	25.45	HORIZONTAL	Peak

Test Mode: 34; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5128.203	41.16	31.72	5.63	36.86	41.65	54.00	-12.35	VERTICAL Average
2	5129.000	52.81	31.72	5.63	36.86	53.30	74.00	-20.70	VERTICAL Peak
3	5149.980	39.49	31.72	5.62	36.86	39.97	54.00	-14.03	VERTICAL Average
4	5149.980	51.09	31.72	5.62	36.86	51.57	74.00	-22.43	VERTICAL Peak
5	5180.000	87.81	31.73	5.61	36.87	88.28	-----	-----	VERTICAL Average
6 *	5180.000	97.32	31.73	5.61	36.87	97.79	68.20	29.59	VERTICAL Peak

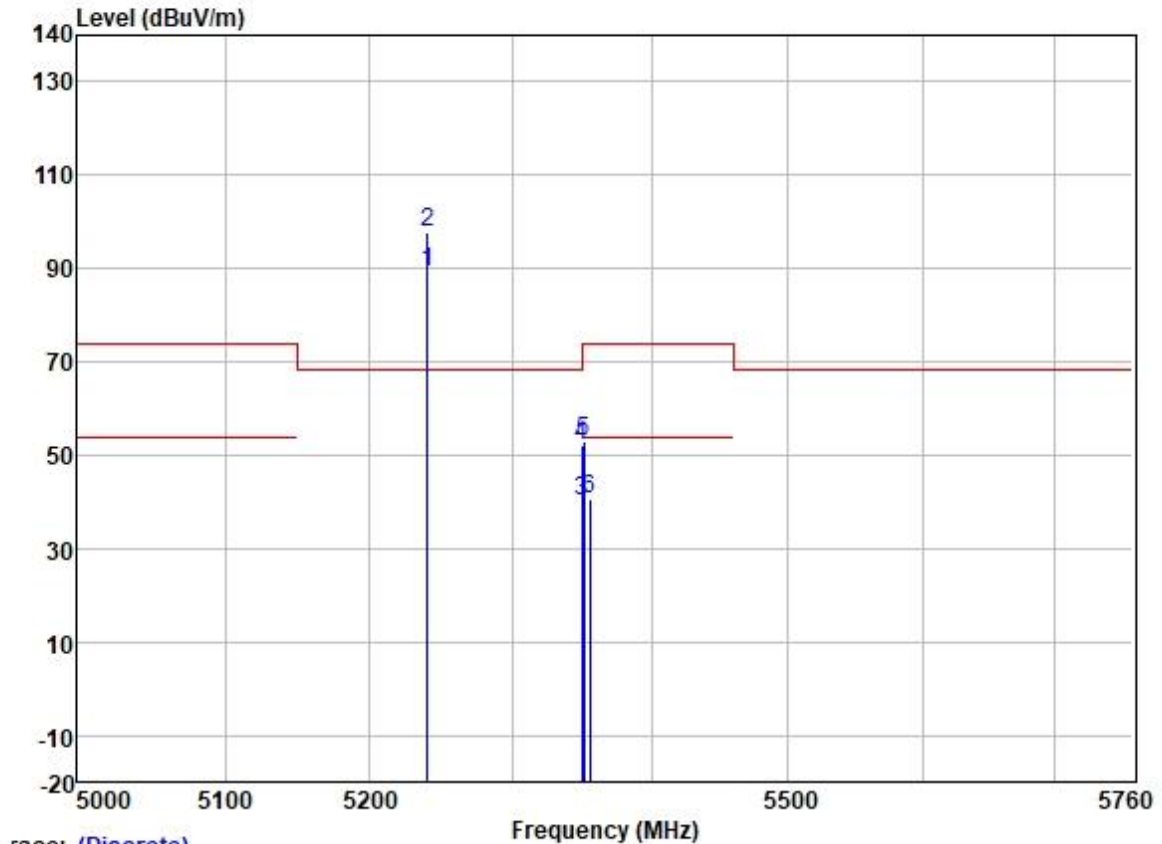
Test Mode: 34; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5240.000	84.01	31.75	5.74	36.87	84.63	-----	-----	HORIZONTAL Average
2 *	5240.000	93.35	31.75	5.74	36.87	93.97	68.20	25.77	HORIZONTAL Peak
3	5350.020	39.16	31.77	6.05	36.88	40.10	54.00	-13.90	HORIZONTAL Average
4	5350.020	50.88	31.77	6.05	36.88	51.82	74.00	-22.18	HORIZONTAL Peak
5	5351.212	51.72	31.77	6.05	36.88	52.66	74.00	-21.34	HORIZONTAL Peak
6	5354.612	39.31	31.78	6.03	36.88	40.24	54.00	-13.76	HORIZONTAL Average

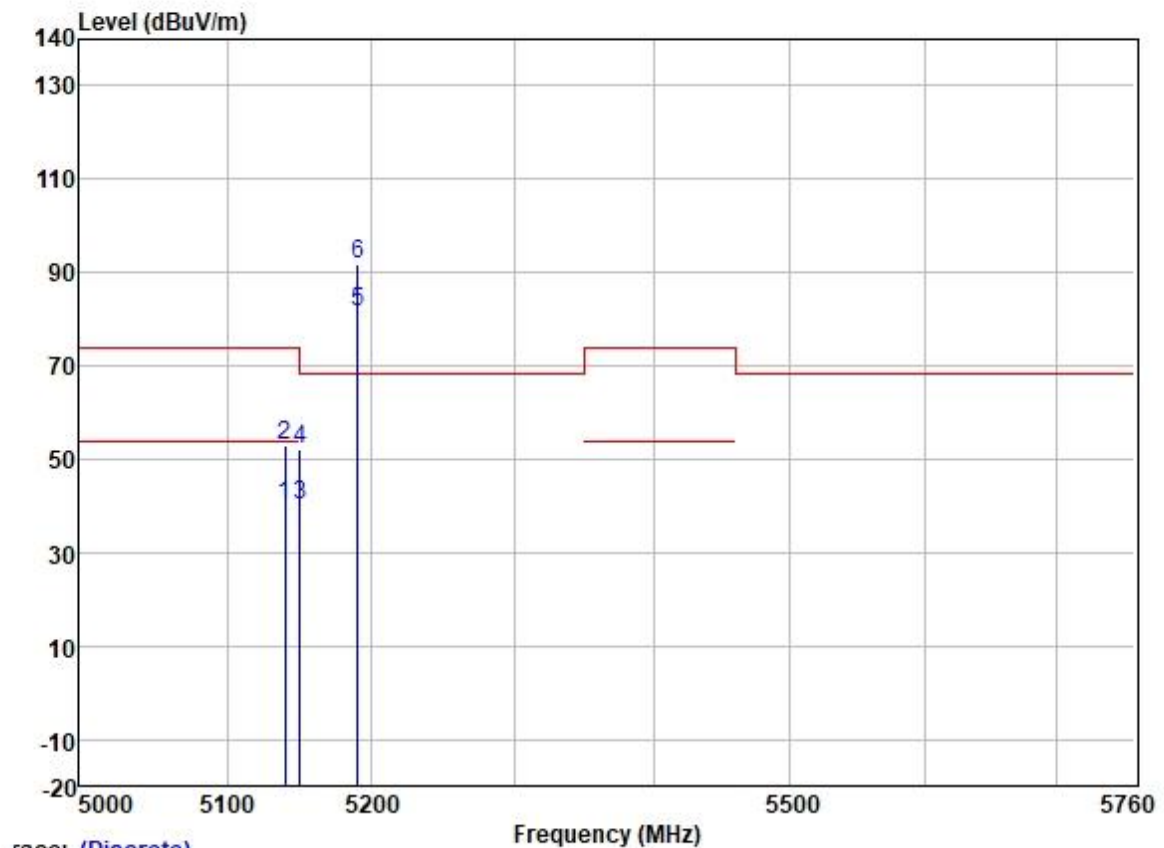
Test Mode: 34; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

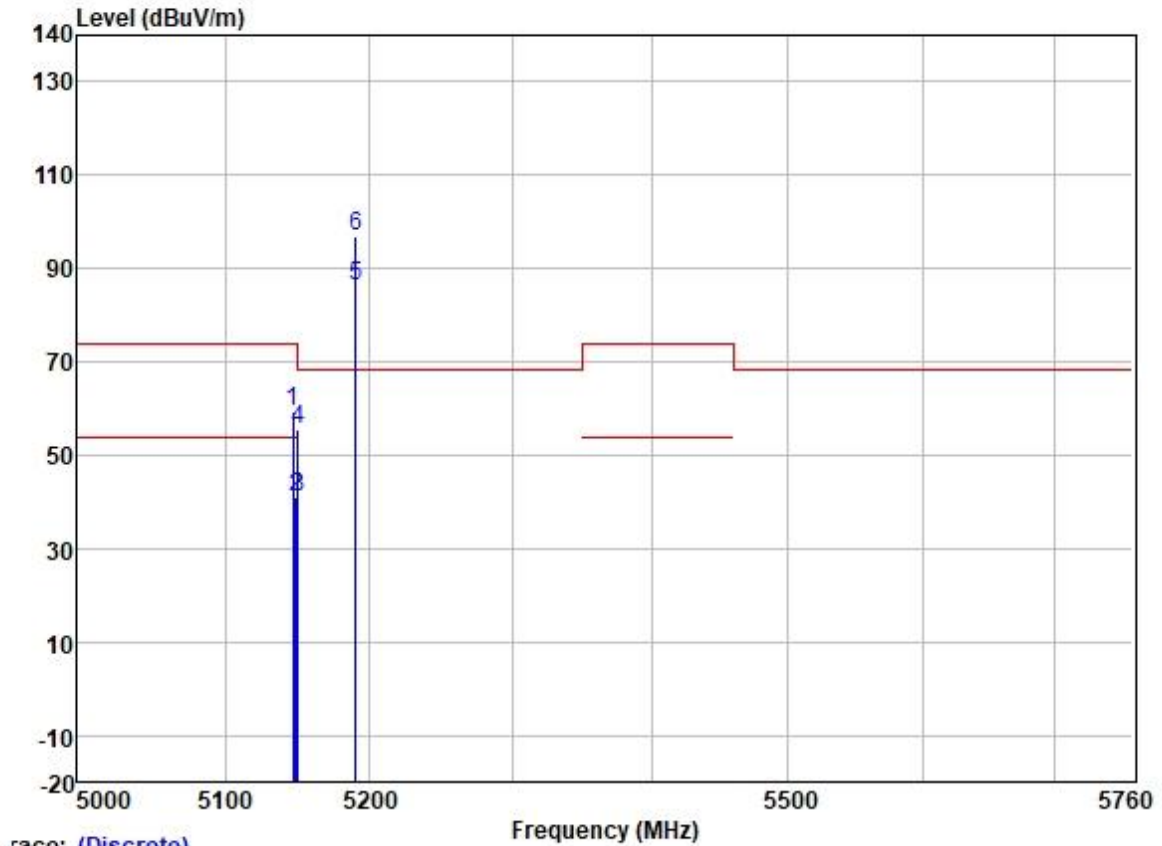
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5240.000	88.48	31.75	5.74	36.87	89.10	-----	-----	VERTICAL Average
2 *	5240.000	97.21	31.75	5.74	36.87	97.83	68.20	29.63	VERTICAL Peak
3	5350.020	39.21	31.77	6.05	36.88	40.15	54.00	-13.85	VERTICAL Average
4	5350.020	51.15	31.77	6.05	36.88	52.09	74.00	-21.91	VERTICAL Peak
5	5351.354	51.83	31.77	6.05	36.88	52.77	74.00	-21.23	VERTICAL Peak
6	5355.179	39.49	31.78	6.03	36.88	40.42	54.00	-13.58	VERTICAL Average

Test Mode: 34; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



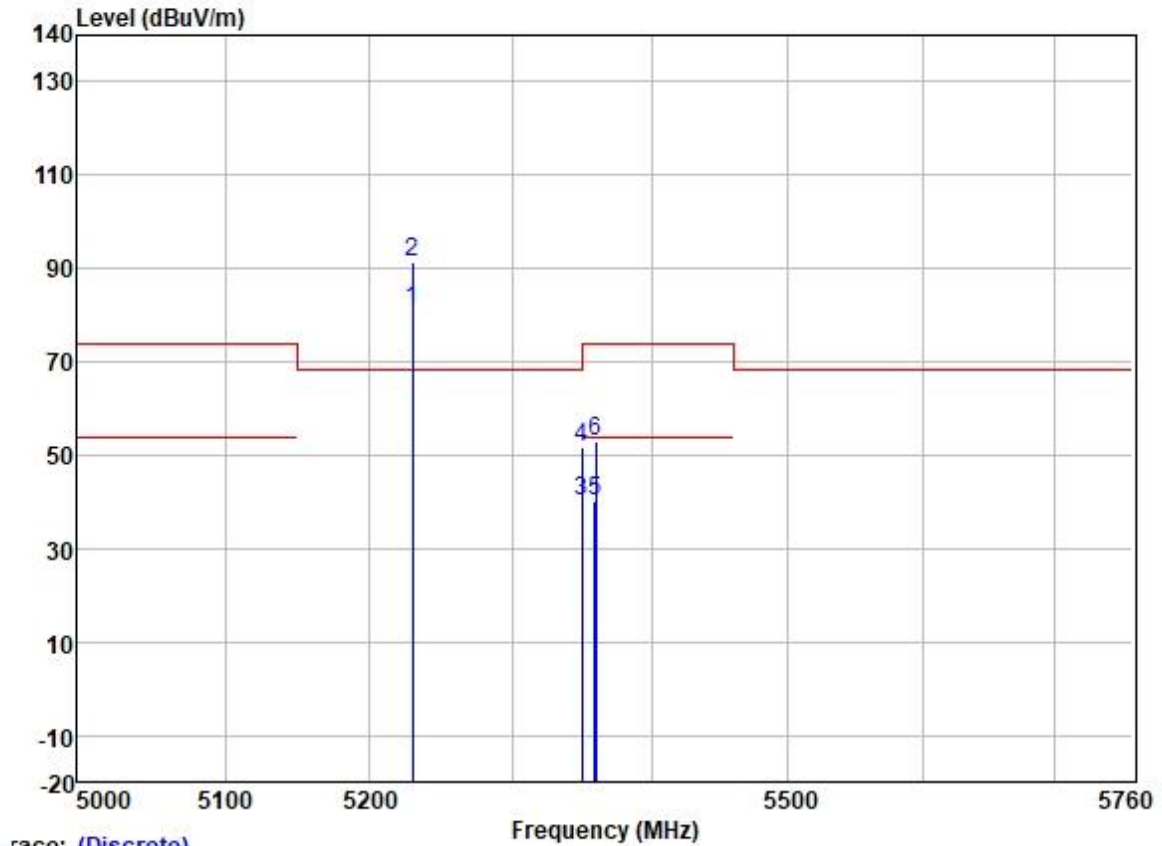
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5139.770	39.76	31.72	5.63	36.86	40.25	54.00	-13.75	HORIZONTAL	Average
2	5139.770	52.59	31.72	5.63	36.86	53.08	74.00	-20.92	HORIZONTAL	Peak
3	5149.980	39.61	31.72	5.62	36.86	40.09	54.00	-13.91	HORIZONTAL	Average
4	5149.980	51.44	31.72	5.62	36.86	51.92	74.00	-22.08	HORIZONTAL	Peak
5	5190.000	81.10	31.73	5.60	36.87	81.56	-----	-----	HORIZONTAL	Average
6 *	5190.000	91.16	31.73	5.60	36.87	91.62	68.20	23.42	HORIZONTAL	Peak

Test Mode: 34; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5146.468	58.74	31.72	5.62	36.86	59.22	74.00	-14.78	VERTICAL	Peak
2	5148.743	40.58	31.72	5.62	36.86	41.06	54.00	-12.94	VERTICAL	Average
3	5149.980	40.53	31.72	5.62	36.86	41.01	54.00	-12.99	VERTICAL	Average
4	5149.980	55.16	31.72	5.62	36.86	55.64	74.00	-18.36	VERTICAL	Peak
5	5190.000	85.97	31.73	5.60	36.87	86.43	-----	-----	VERTICAL	Average
6 *	5190.000	96.40	31.73	5.60	36.87	96.86	68.20	28.66	VERTICAL	Peak

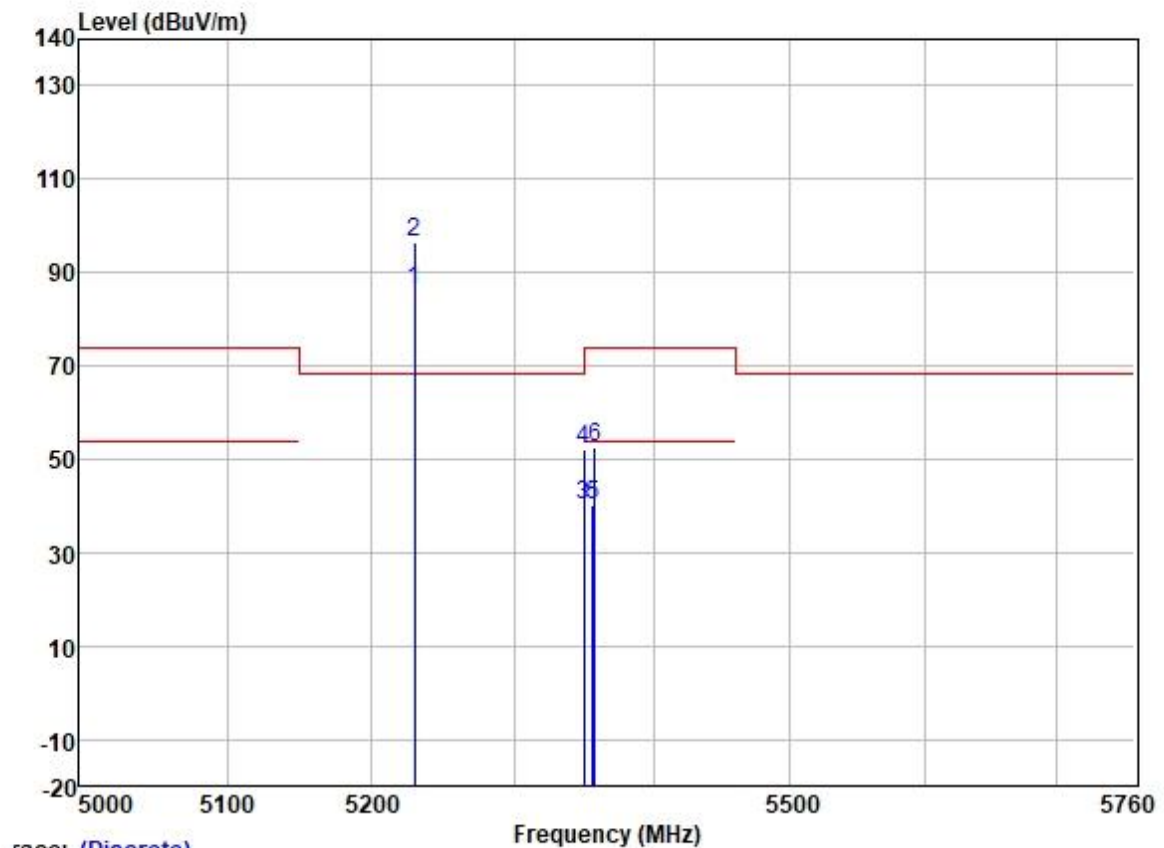
Test Mode: 34; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Trace: (Discrete)

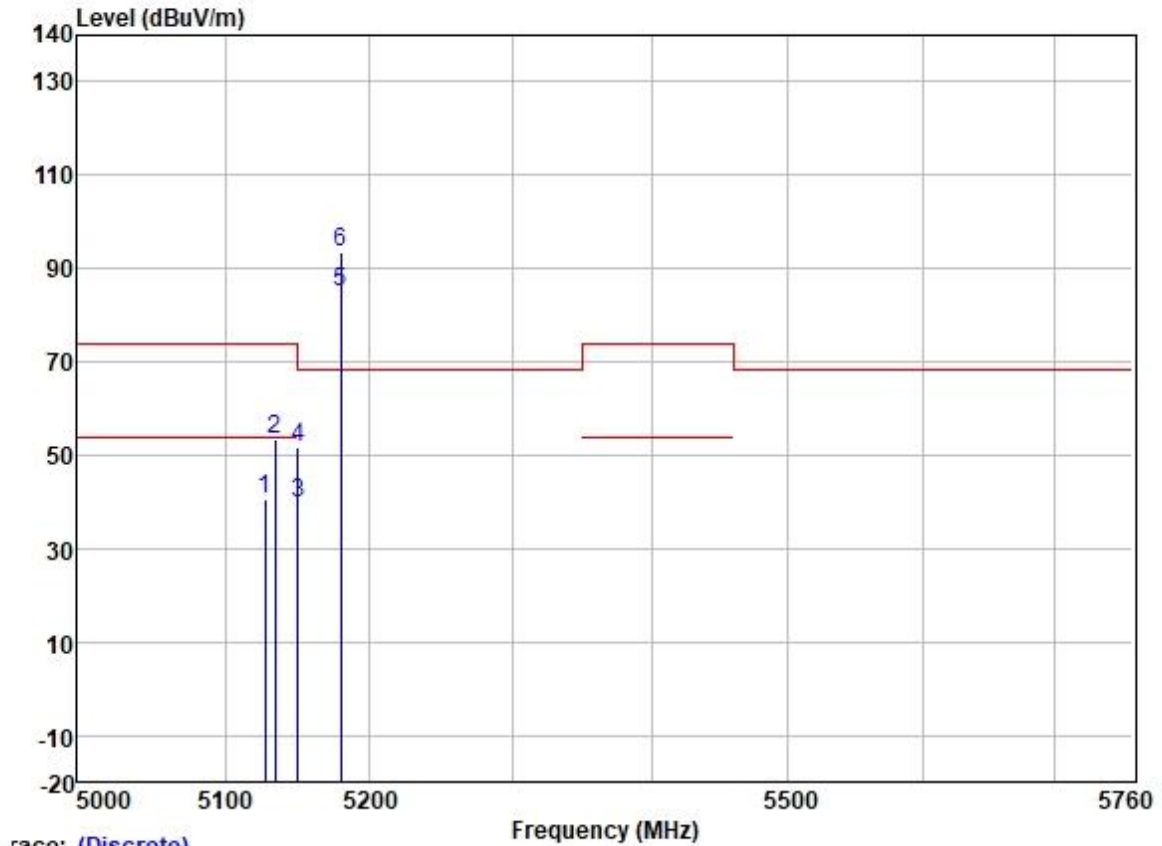
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5230.000	80.55	31.74	5.70	36.87	81.12	-----	-----	HORIZONTAL Average
2	* 5230.000	90.86	31.74	5.70	36.87	91.43	68.20	23.23	HORIZONTAL Peak
3	5350.020	39.20	31.77	6.05	36.88	40.14	54.00	-13.86	HORIZONTAL Average
4	5350.020	50.76	31.77	6.05	36.88	51.70	74.00	-22.30	HORIZONTAL Peak
5	5358.701	39.37	31.78	6.03	36.88	40.30	54.00	-13.70	HORIZONTAL Average
6	5359.837	51.90	31.78	6.03	36.88	52.83	74.00	-21.17	HORIZONTAL Peak

Test Mode: 34; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



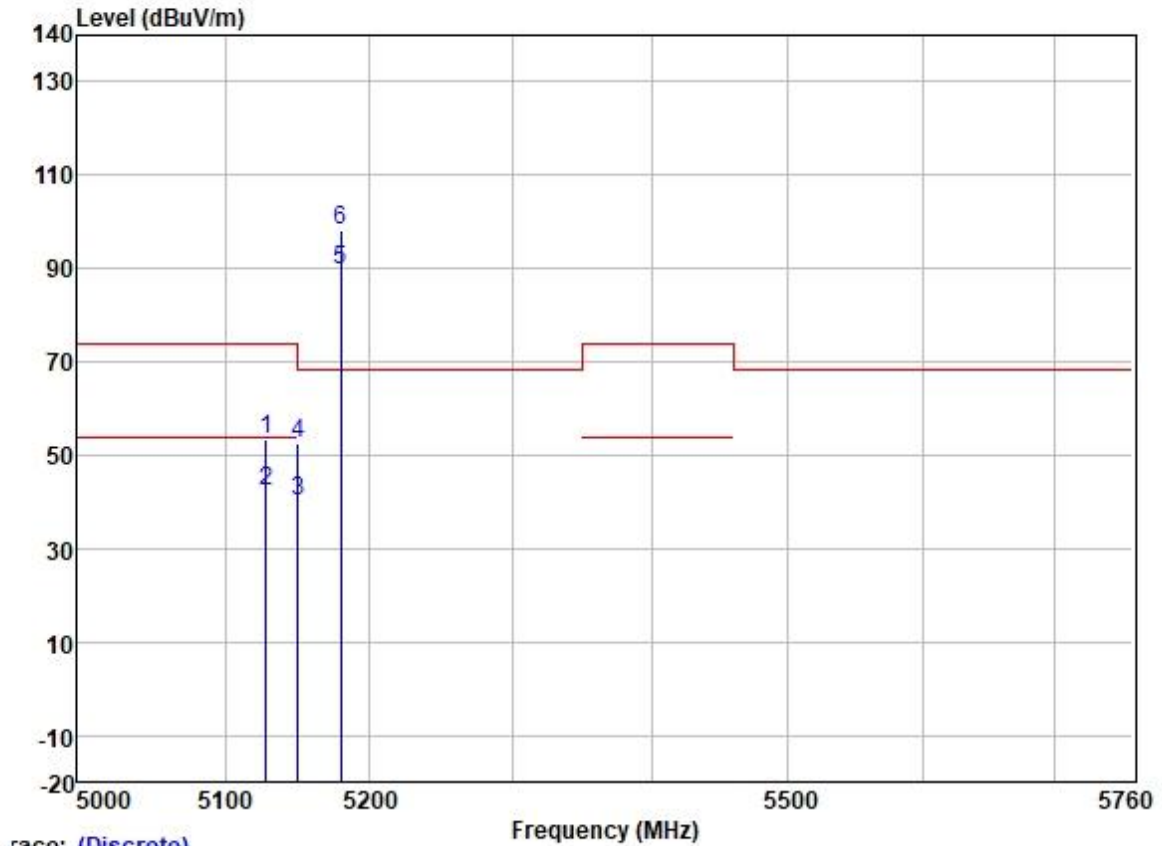
race: (Discrete)	Frequency (MHz)									
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark	
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5230.000	85.65	31.74	5.70	36.87	86.22	-----	-----	VERTICAL	Average
2 *	5230.000	95.88	31.74	5.70	36.87	96.45	68.20	28.25	VERTICAL	Peak
3	5350.020	39.25	31.77	6.05	36.88	40.19	54.00	-13.81	VERTICAL	Average
4	5350.020	51.02	31.77	6.05	36.88	51.96	74.00	-22.04	VERTICAL	Peak
5	5356.428	39.38	31.78	6.03	36.88	40.31	54.00	-13.69	VERTICAL	Average
6	5357.889	51.81	31.78	6.03	36.88	52.74	74.00	-21.26	VERTICAL	Peak

Test Mode: 34; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



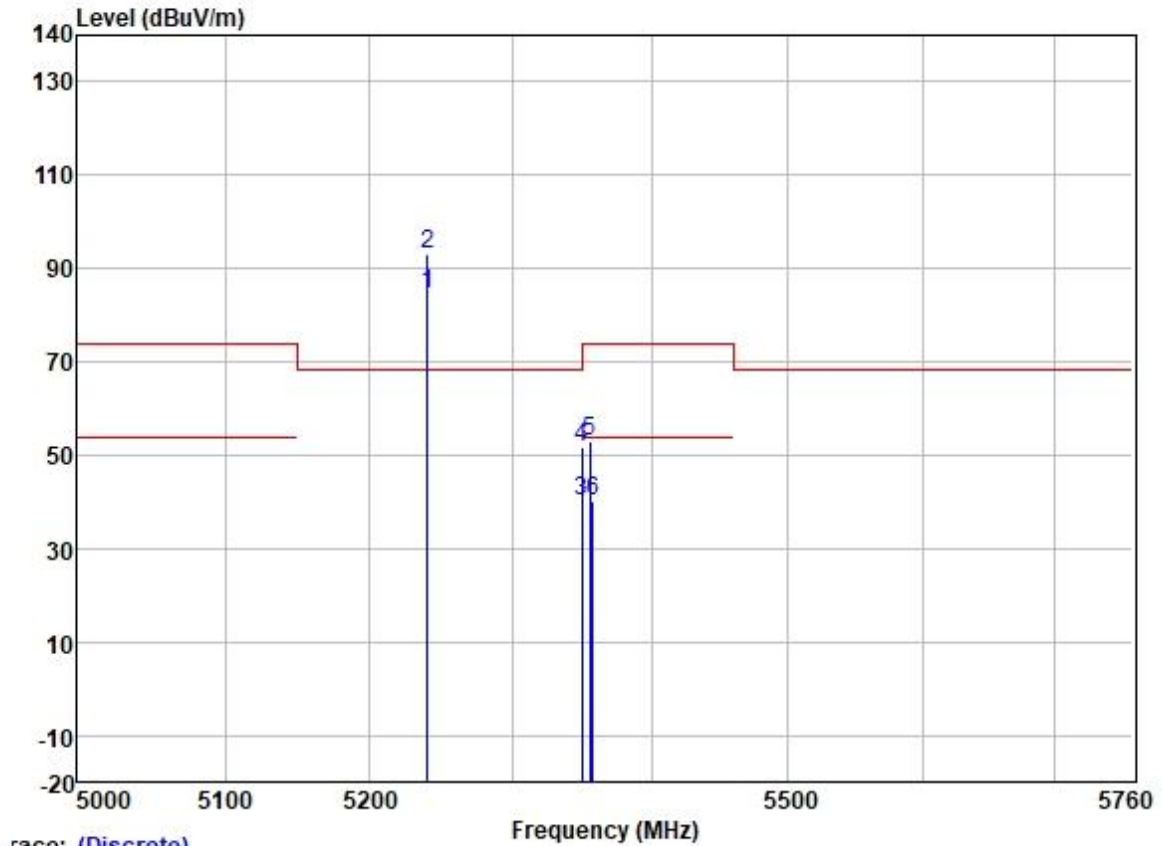
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5127.705	40.17	31.72	5.63	36.86	40.66	54.00	-13.34	HORIZONTAL	Average
2	5134.082	52.93	31.72	5.63	36.86	53.42	74.00	-20.58	HORIZONTAL	Peak
3	5149.980	39.46	31.72	5.62	36.86	39.94	54.00	-14.06	HORIZONTAL	Average
4	5149.980	51.32	31.72	5.62	36.86	51.80	74.00	-22.20	HORIZONTAL	Peak
5	5180.000	84.66	31.73	5.61	36.87	85.13	-----	-----	HORIZONTAL	Average
6 *	5180.000	93.16	31.73	5.61	36.87	93.63	68.20	25.43	HORIZONTAL	Peak

Test Mode: 34; Polarity: Vertical; Modulation:802.11ac; 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	5127.805	53.01	31.72	5.63	36.86	53.50	74.00	-20.50	VERTICAL	Peak
2	5128.103	41.63	31.72	5.63	36.86	42.12	54.00	-11.88	VERTICAL	Average
3	5149.980	39.57	31.72	5.62	36.86	40.05	54.00	-13.95	VERTICAL	Average
4	5149.980	52.01	31.72	5.62	36.86	52.49	74.00	-21.51	VERTICAL	Peak
5	5180.000	88.97	31.73	5.61	36.87	89.44	-----	-----	VERTICAL	Average
6 *	5180.000	97.89	31.73	5.61	36.87	98.36	68.20	30.16	VERTICAL	Peak

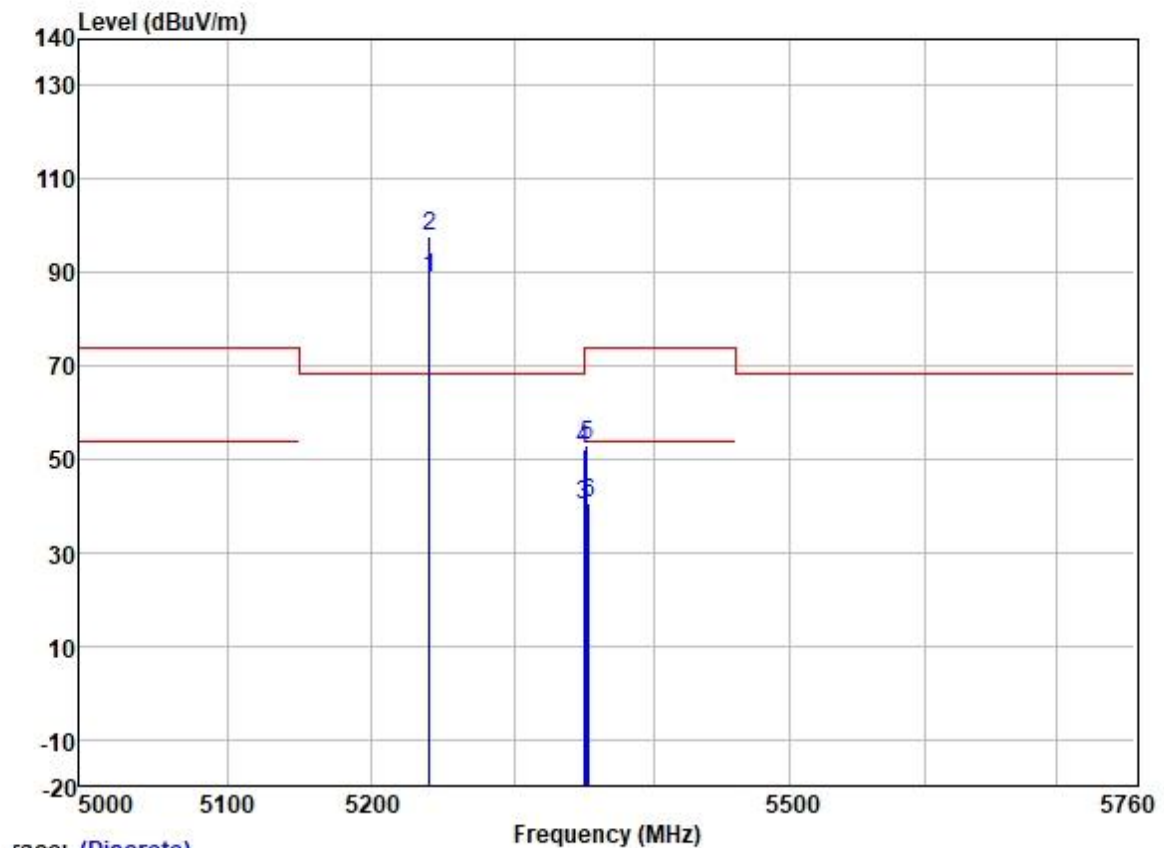
Test Mode: 34; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

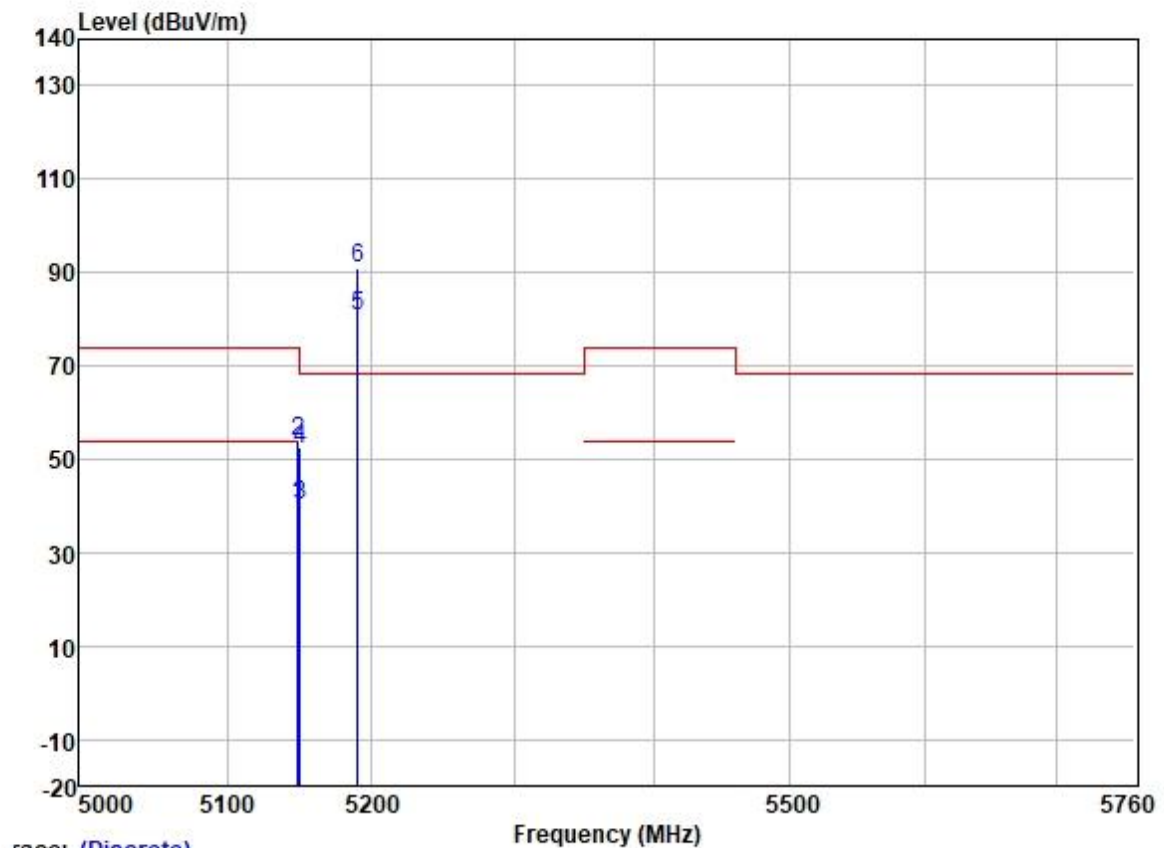
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5240.000	83.97	31.75	5.74	36.87	84.59	-----	-----	HORIZONTAL Average
2 *	5240.000	92.52	31.75	5.74	36.87	93.14	68.20	24.94	HORIZONTAL Peak
3	5350.020	39.20	31.77	6.05	36.88	40.14	54.00	-13.86	HORIZONTAL Average
4	5350.020	50.91	31.77	6.05	36.88	51.85	74.00	-22.15	HORIZONTAL Peak
5	5355.462	52.17	31.78	6.03	36.88	53.10	74.00	-20.90	HORIZONTAL Peak
6	5357.589	39.36	31.78	6.03	36.88	40.29	54.00	-13.71	HORIZONTAL Average

Test Mode: 34; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



race: (Discrete)	Frequency (MHz)									
	Freq	ReadAntenna	Cable	Preamp		Limit	Over	Pol/Phase	Remark	
		Level	Factor	Loss	Factor	Level	Line			Limit
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5240.000	88.26	31.75	5.74	36.87	88.88	-----	-----	VERTICAL	Average
2 *	5240.000	97.05	31.75	5.74	36.87	97.67	68.20	29.47	VERTICAL	Peak
3	5350.020	39.21	31.77	6.05	36.88	40.15	54.00	-13.85	VERTICAL	Average
4	5350.020	51.18	31.77	6.05	36.88	52.12	74.00	-21.88	VERTICAL	Peak
5	5351.778	51.99	31.77	6.05	36.88	52.93	74.00	-21.07	VERTICAL	Peak
6	5353.195	39.45	31.77	6.05	36.88	40.39	54.00	-13.61	VERTICAL	Average

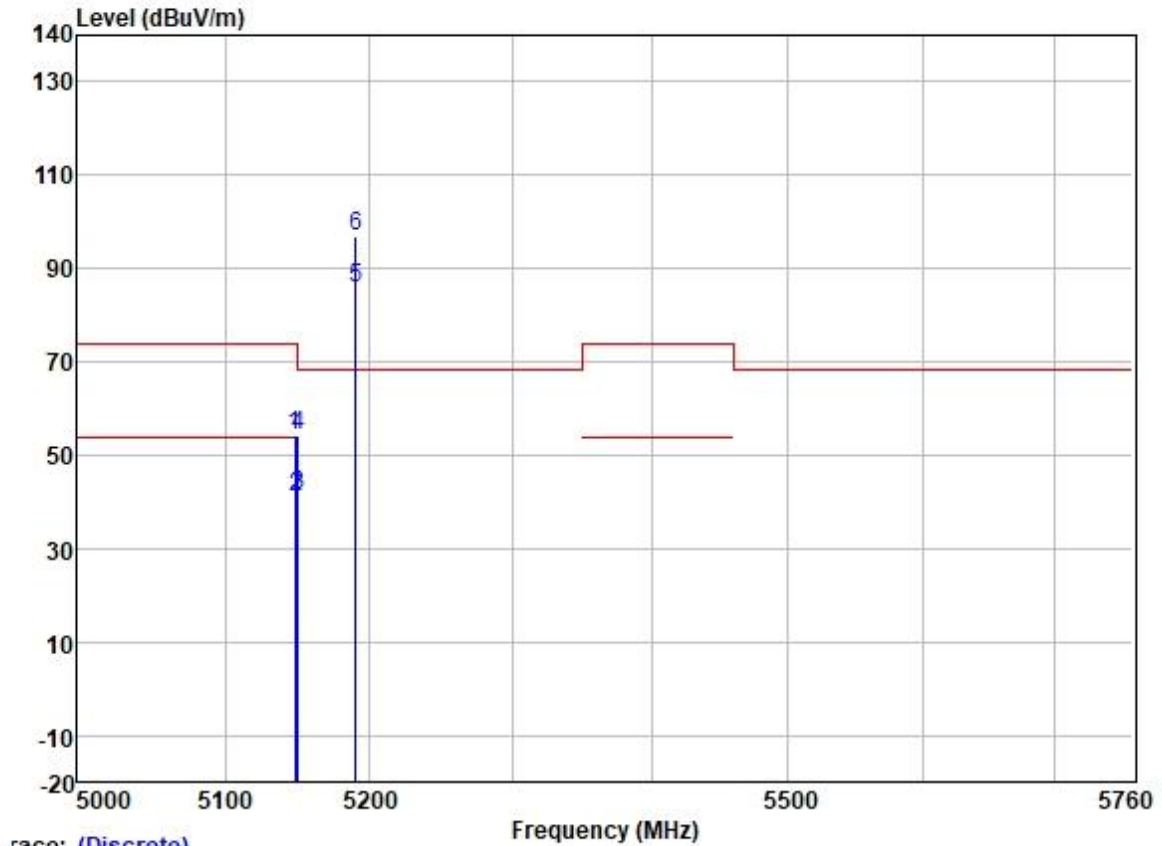
Test Mode: 34; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



race: (Discrete)

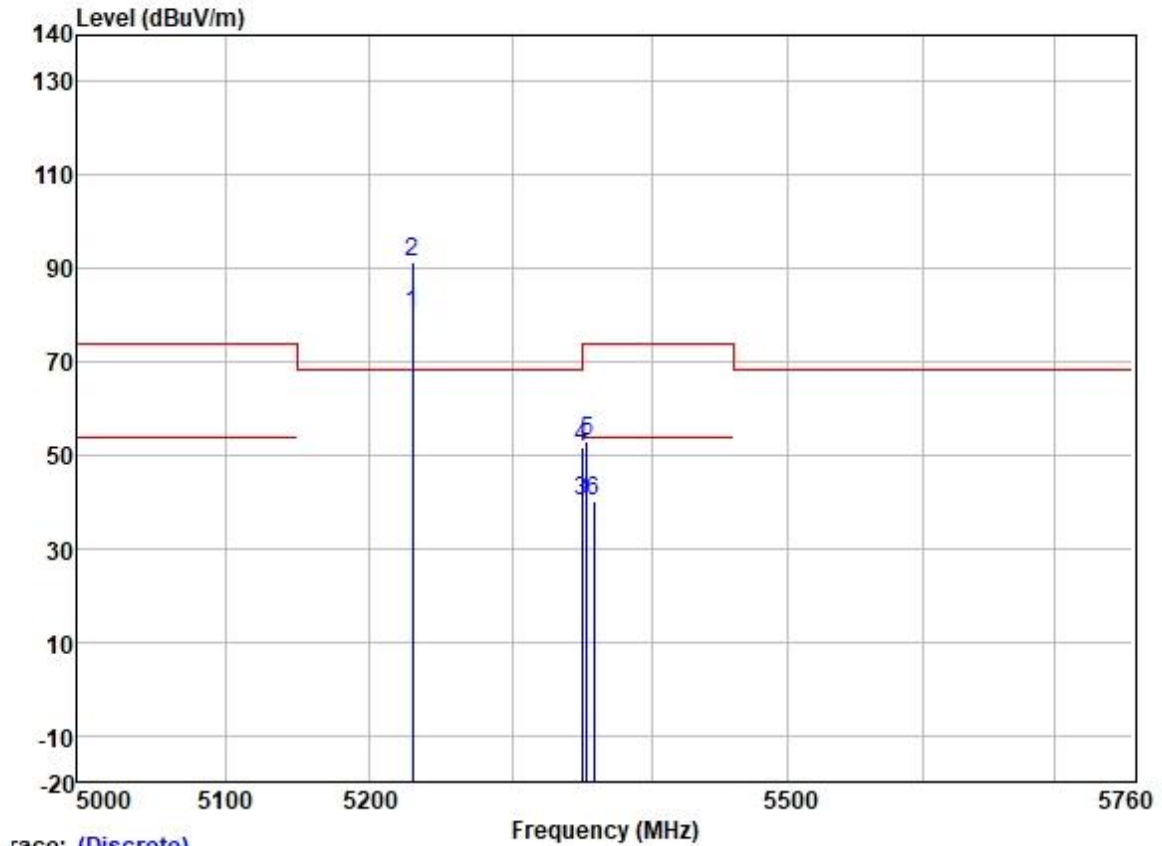
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5148.743	39.82	31.72	5.62	36.86	40.30	54.00	-13.70	HORIZONTAL Average
2	5148.743	53.33	31.72	5.62	36.86	53.81	74.00	-20.19	HORIZONTAL Peak
3	5149.980	39.67	31.72	5.62	36.86	40.15	54.00	-13.85	HORIZONTAL Average
4	5149.980	51.84	31.72	5.62	36.86	52.32	74.00	-21.68	HORIZONTAL Peak
5	5190.000	80.13	31.73	5.60	36.87	80.59	-----	-----	HORIZONTAL Average
6 *	5190.000	90.36	31.73	5.60	36.87	90.82	68.20	22.62	HORIZONTAL Peak

Test Mode: 34; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



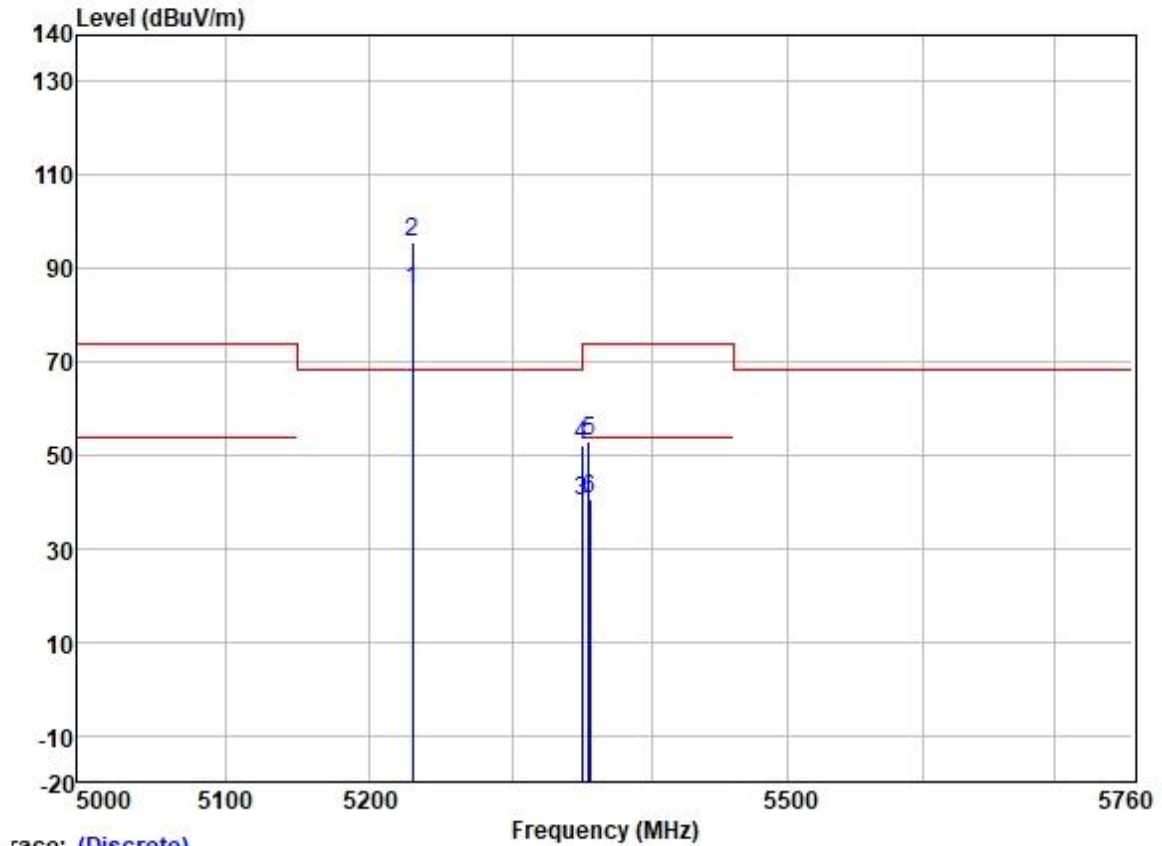
		Freq	ReadAntenna Level Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark	
		MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1		5147.905	53.94	31.72	5.62	36.86	54.42	74.00	-19.58	VERTICAL	Peak
2		5148.384	40.65	31.72	5.62	36.86	41.13	54.00	-12.87	VERTICAL	Average
3		5149.980	40.76	31.72	5.62	36.86	41.24	54.00	-12.76	VERTICAL	Average
4		5149.980	53.84	31.72	5.62	36.86	54.32	74.00	-19.68	VERTICAL	Peak
5		5190.000	85.21	31.73	5.60	36.87	85.67	-----	-----	VERTICAL	Average
6	*	5190.000	96.58	31.73	5.60	36.87	97.04	68.20	28.84	VERTICAL	Peak

Test Mode: 34; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



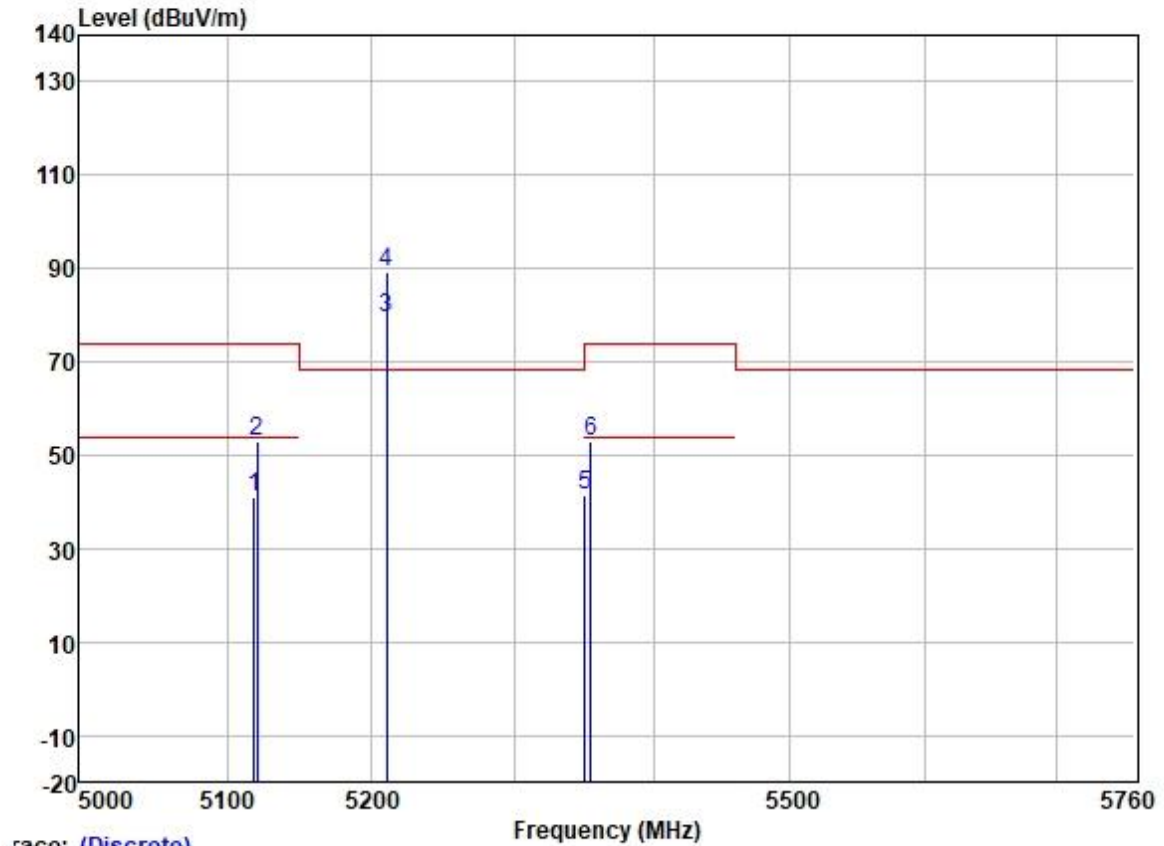
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5230.000	79.81	31.74	5.70	36.87	80.38	-----	-----	HORIZONTAL Average
2	* 5230.000	90.66	31.74	5.70	36.87	91.23	68.20	23.03	HORIZONTAL Peak
3	5350.020	39.17	31.77	6.05	36.88	40.11	54.00	-13.89	HORIZONTAL Average
4	5350.020	50.53	31.77	6.05	36.88	51.47	74.00	-22.53	HORIZONTAL Peak
5	5353.344	52.11	31.77	6.05	36.88	53.05	74.00	-20.95	HORIZONTAL Peak
6	5358.538	39.41	31.78	6.03	36.88	40.34	54.00	-13.66	HORIZONTAL Average

Test Mode: 34; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



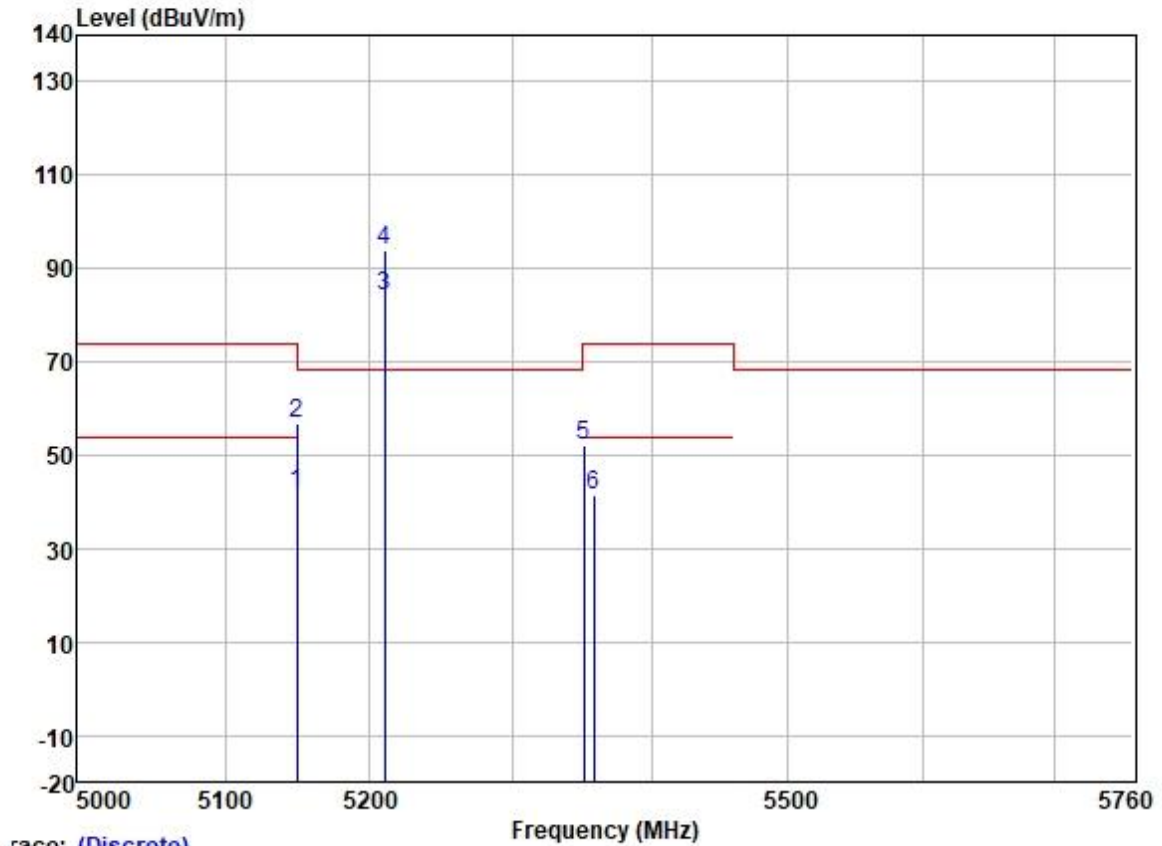
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5230.000	84.85	31.74	5.70	36.87	85.42	-----	VERTICAL	Average
2 *	5230.000	95.07	31.74	5.70	36.87	95.64	68.20	27.44	VERTICAL
3	5350.020	39.21	31.77	6.05	36.88	40.15	54.00	-13.85	VERTICAL
4	5350.020	51.33	31.77	6.05	36.88	52.27	74.00	-21.73	VERTICAL
5	5354.642	52.19	31.78	6.03	36.88	53.12	74.00	-20.88	VERTICAL
6	5355.778	39.51	31.78	6.03	36.88	40.44	54.00	-13.56	VERTICAL

Test Mode: 34; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



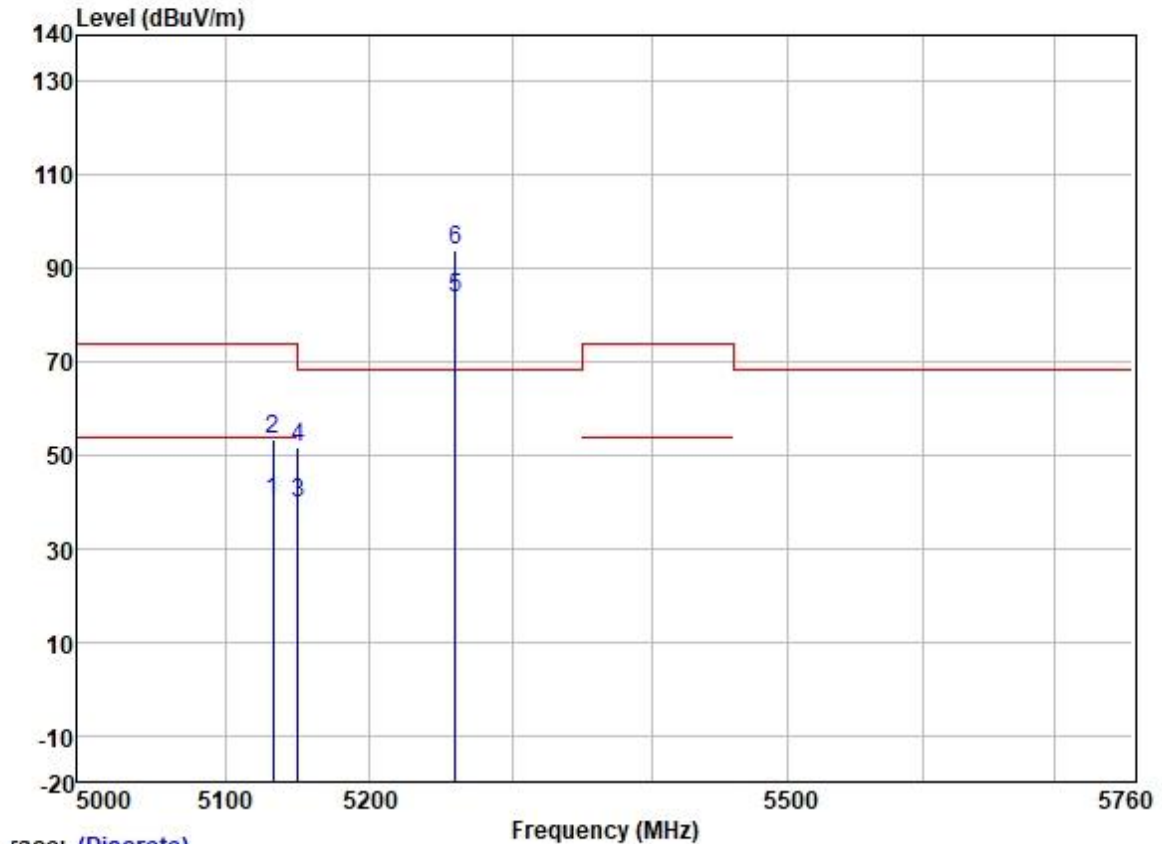
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5118.291	40.55	31.72	5.64	36.86	41.05	54.00	-12.95	HORIZONTAL Average
2	5120.837	52.57	31.72	5.64	36.86	53.07	74.00	-20.93	HORIZONTAL Peak
3	5210.000	78.74	31.74	5.65	36.87	79.26	-----	-----	HORIZONTAL Average
4 *	5210.000	88.56	31.74	5.65	36.87	89.08	68.20	20.88	HORIZONTAL Peak
5	5350.148	40.32	31.77	6.05	36.88	41.26	54.00	-12.74	HORIZONTAL Average
6	5354.672	52.18	31.78	6.03	36.88	53.11	74.00	-20.89	HORIZONTAL Peak

Test Mode: 34; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; 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	5149.435	41.54	31.72	5.62	36.86	42.02	54.00	-11.98	VERTICAL	Average
2	5149.435	56.40	31.72	5.62	36.86	56.88	74.00	-17.12	VERTICAL	Peak
3	5210.000	83.77	31.74	5.65	36.87	84.29	-----	-----	VERTICAL	Average
4 *	5210.000	93.34	31.74	5.65	36.87	93.86	68.20	25.66	VERTICAL	Peak
5	5351.212	51.11	31.77	6.05	36.88	52.05	74.00	-21.95	VERTICAL	Peak
6	5358.667	40.40	31.78	6.03	36.88	41.33	54.00	-12.67	VERTICAL	Average

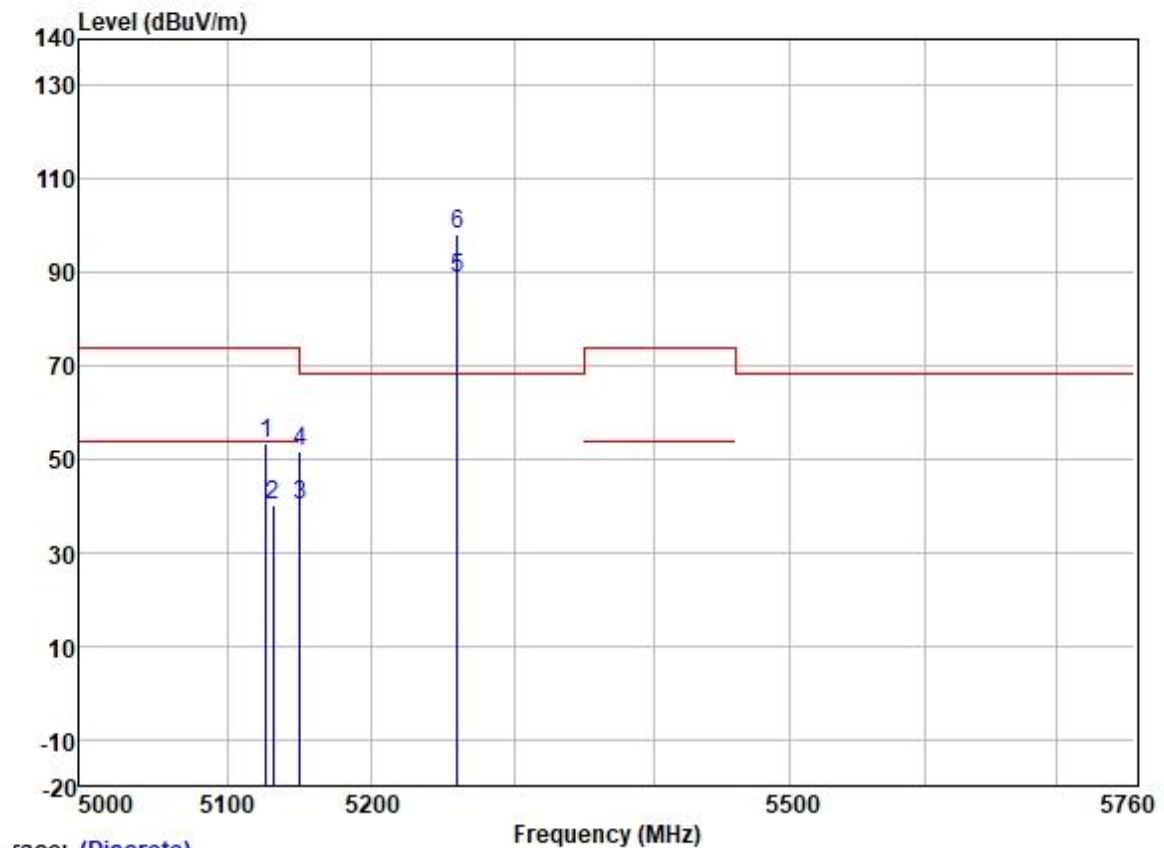
Test Mode: 36; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5132.831	39.76	31.72	5.63	36.86	40.25	54.00	-13.75	HORIZONTAL Average
2	5132.831	52.79	31.72	5.63	36.86	53.28	74.00	-20.72	HORIZONTAL Peak
3	5149.980	39.40	31.72	5.62	36.86	39.88	54.00	-14.12	HORIZONTAL Average
4	5149.980	51.37	31.72	5.62	36.86	51.85	74.00	-22.15	HORIZONTAL Peak
5	5260.000	83.02	31.75	5.77	36.87	83.67	-----	-----	HORIZONTAL Average
6 *	5260.000	93.26	31.75	5.77	36.87	93.91	68.20	25.71	HORIZONTAL Peak

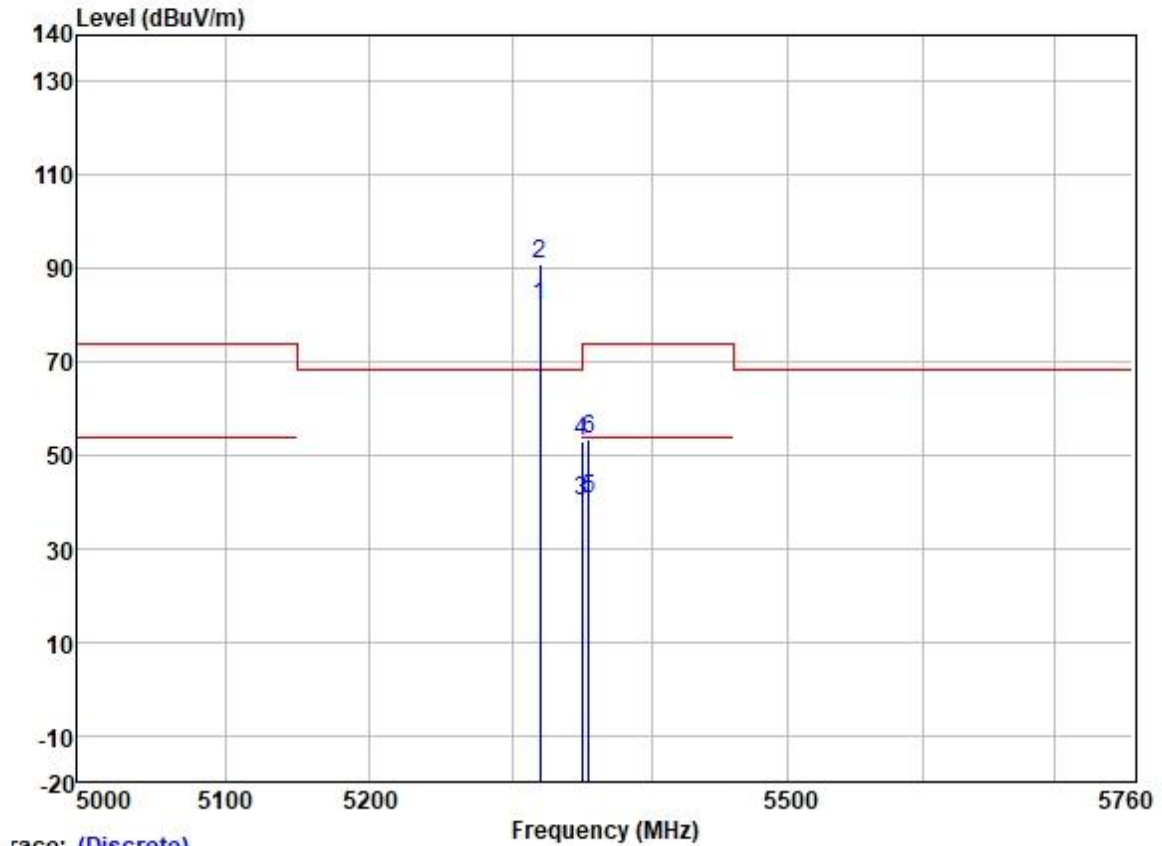
Test Mode: 36; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5126.604	52.69	31.72	5.64	36.86	53.19	74.00	-20.81	VERTICAL Peak
2	5131.585	39.78	31.72	5.63	36.86	40.27	54.00	-13.73	VERTICAL Average
3	5149.980	39.49	31.72	5.62	36.86	39.97	54.00	-14.03	VERTICAL Average
4	5149.980	51.35	31.72	5.62	36.86	51.83	74.00	-22.17	VERTICAL Peak
5	5260.000	87.98	31.75	5.77	36.87	88.63	-----	-----	VERTICAL Average
6 *	5260.000	97.46	31.75	5.77	36.87	98.11	68.20	29.91	VERTICAL Peak

Test Mode: 36; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

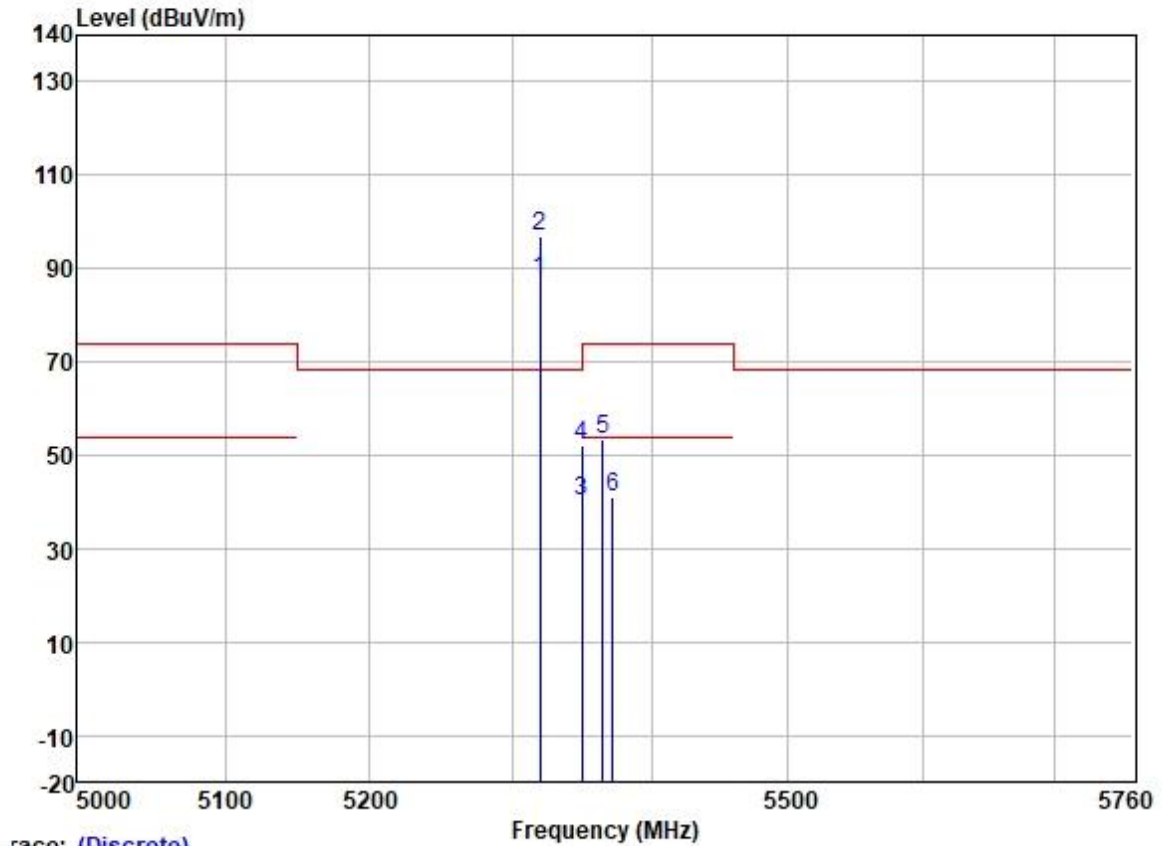
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5320.000	81.04	31.77	6.08	36.88	82.01	-----	-----	HORIZONTAL Average
2 *	5320.000	90.01	31.77	6.08	36.88	90.98	68.20	22.78	HORIZONTAL Peak
3	5350.020	39.24	31.77	6.05	36.88	40.18	54.00	-13.82	HORIZONTAL Average
4	5350.020	52.06	31.77	6.05	36.88	53.00	74.00	-21.00	HORIZONTAL Peak
5	5355.069	39.69	31.78	6.03	36.88	40.62	54.00	-13.38	HORIZONTAL Average
6	5355.069	52.62	31.78	6.03	36.88	53.55	74.00	-20.45	HORIZONTAL Peak



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Test Mode: 36; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

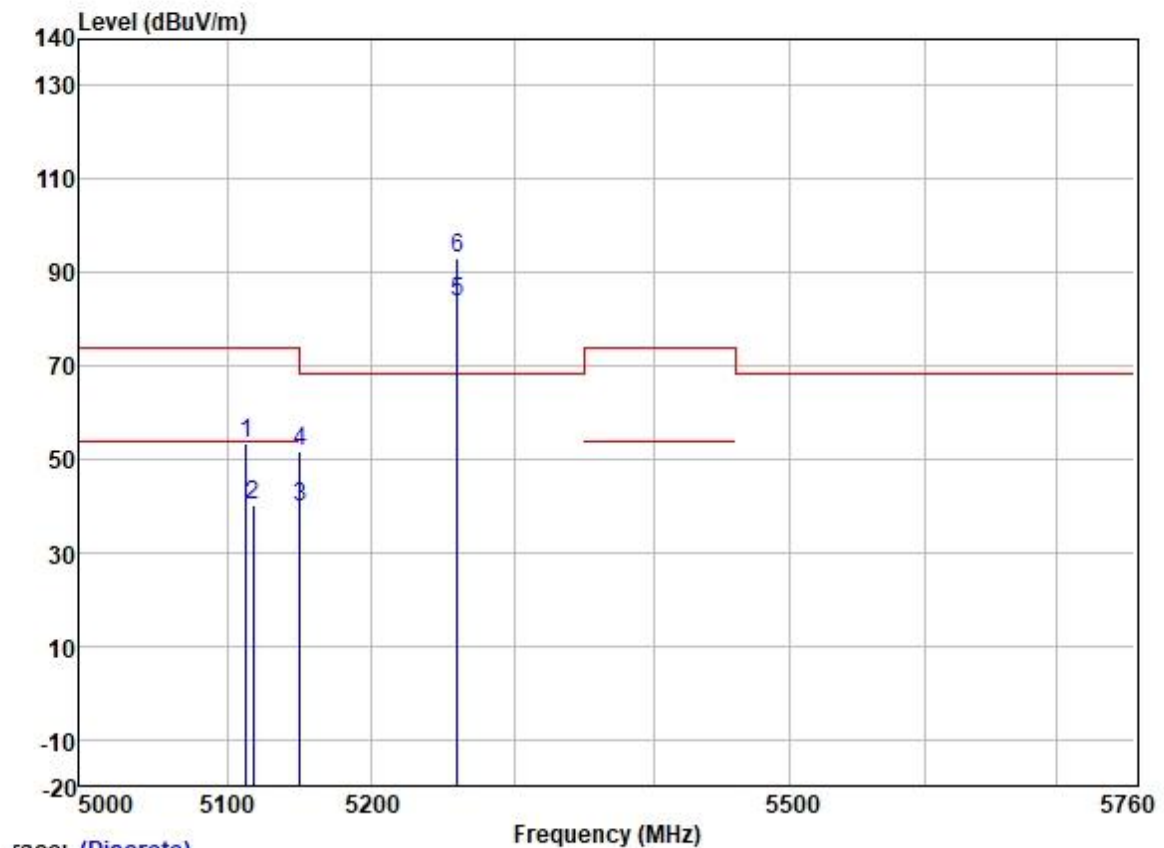
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5320.000	86.56	31.77	6.08	36.88	87.53	-----	-----	VERTICAL Average
2 *	5320.000	95.83	31.77	6.08	36.88	96.80	68.20	28.60	VERTICAL Peak
3	5350.020	39.40	31.77	6.05	36.88	40.34	54.00	-13.66	VERTICAL Average
4	5350.020	51.25	31.77	6.05	36.88	52.19	74.00	-21.81	VERTICAL Peak
5	5364.586	52.49	31.78	6.03	36.88	53.42	74.00	-20.58	VERTICAL Peak
6	5372.012	39.92	31.78	6.02	36.88	40.84	54.00	-13.16	VERTICAL Average



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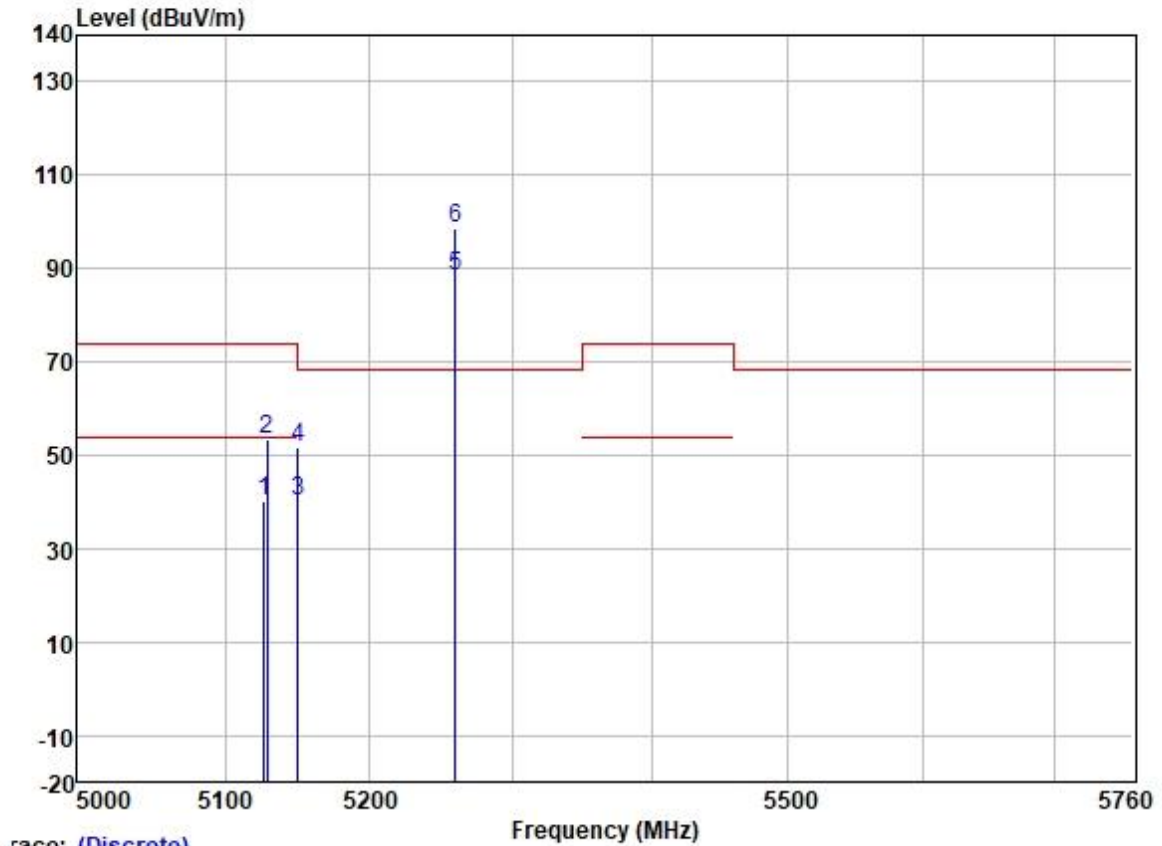
Test Mode: 36; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

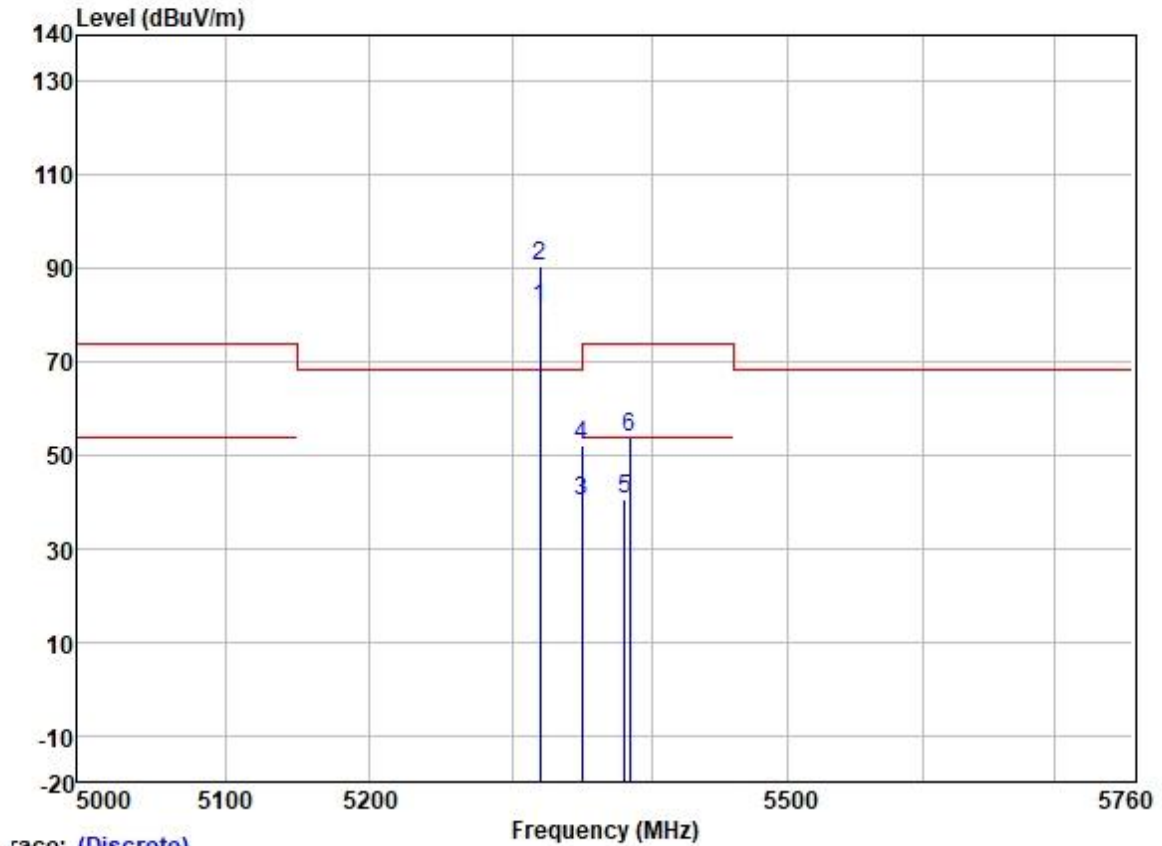
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5113.285	52.69	31.72	5.64	36.86	53.19	74.00	-20.81	HORIZONTAL Peak
2	5118.075	39.76	31.72	5.64	36.86	40.26	54.00	-13.74	HORIZONTAL Average
3	5149.980	39.46	31.72	5.62	36.86	39.94	54.00	-14.06	HORIZONTAL Average
4	5149.980	51.10	31.72	5.62	36.86	51.58	74.00	-22.42	HORIZONTAL Peak
5	5260.000	83.13	31.75	5.77	36.87	83.78	-----	-----	HORIZONTAL Average
6 *	5260.000	92.35	31.75	5.77	36.87	93.00	68.20	24.80	HORIZONTAL Peak

Test Mode: 36; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5126.781	39.87	31.72	5.64	36.86	40.37	54.00	-13.63	VERTICAL
2	5128.738	52.95	31.72	5.63	36.86	53.44	74.00	-20.56	VERTICAL
3	5149.980	39.52	31.72	5.62	36.86	40.00	54.00	-14.00	VERTICAL
4	5149.980	51.32	31.72	5.62	36.86	51.80	74.00	-22.20	VERTICAL
5	5260.000	87.91	31.75	5.77	36.87	88.56	-----	-----	VERTICAL
6 *	5260.000	97.81	31.75	5.77	36.87	98.46	68.20	30.26	VERTICAL

Test Mode: 36; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

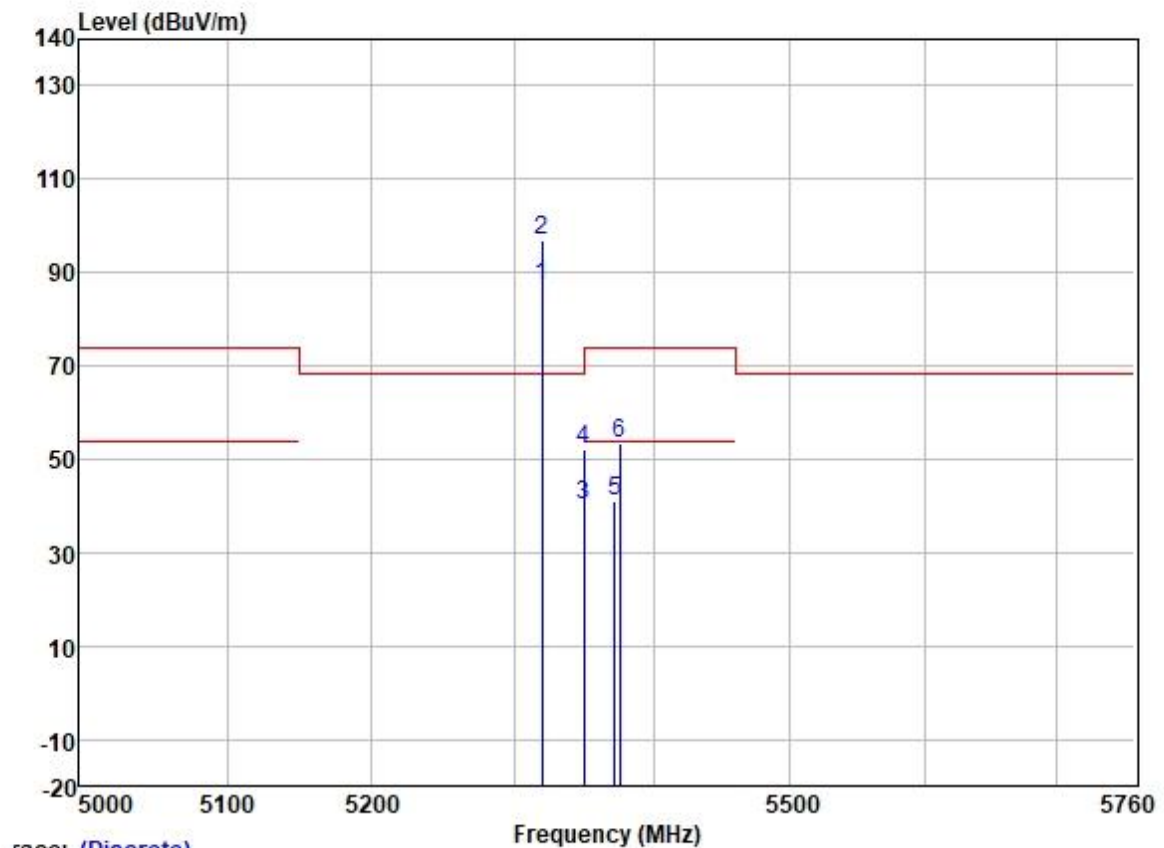
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5320.000	80.46	31.77	6.08	36.88	81.43	-----	-----	HORIZONTAL Average
2 *	5320.000	89.72	31.77	6.08	36.88	90.69	68.20	22.49	HORIZONTAL Peak
3	5350.020	39.28	31.77	6.05	36.88	40.22	54.00	-13.78	HORIZONTAL Average
4	5350.020	51.24	31.77	6.05	36.88	52.18	74.00	-21.82	HORIZONTAL Peak
5	5380.856	39.67	31.78	6.02	36.88	40.59	54.00	-13.41	HORIZONTAL Average
6	5384.176	52.72	31.78	6.02	36.88	53.64	74.00	-20.36	HORIZONTAL Peak



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Test Mode: 36; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

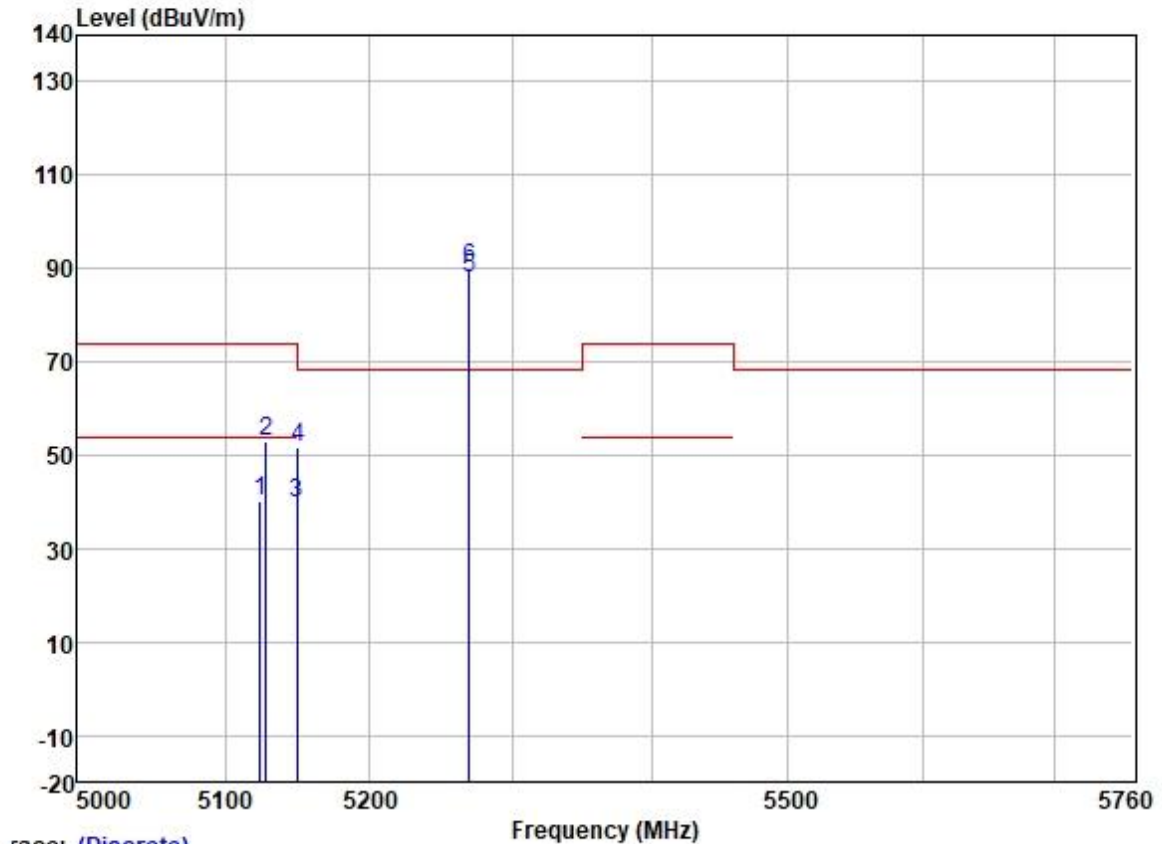
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5320.000	86.21	31.77	6.08	36.88	87.18	-----	-----	VERTICAL Average
2	* 5320.000	95.98	31.77	6.08	36.88	96.95	68.20	28.75	VERTICAL Peak
3	5350.020	39.22	31.77	6.05	36.88	40.16	54.00	-13.84	VERTICAL Average
4	5350.020	51.15	31.77	6.05	36.88	52.09	74.00	-21.91	VERTICAL Peak
5	5372.113	40.05	31.78	6.02	36.88	40.97	54.00	-13.03	VERTICAL Average
6	5375.528	52.35	31.78	6.02	36.88	53.27	74.00	-20.73	VERTICAL Peak



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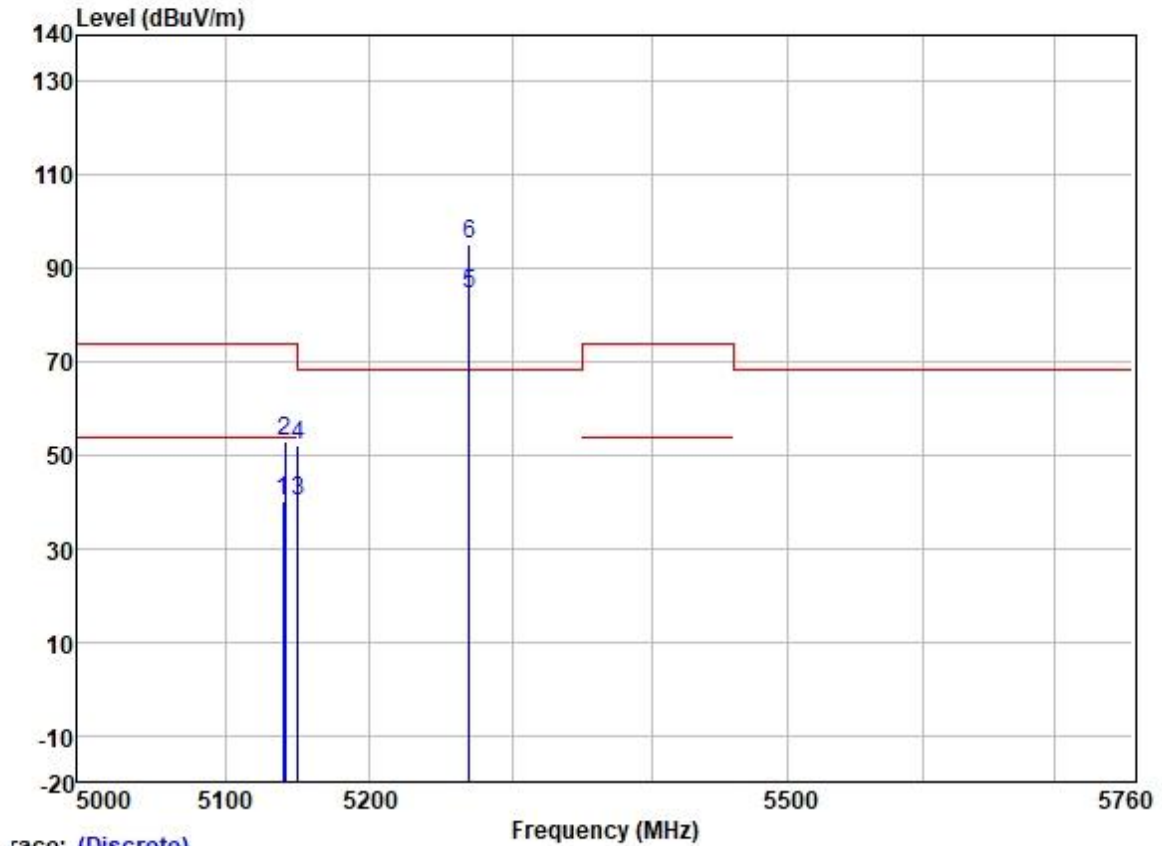
Test Mode: 36; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Trace: (Discrete)

	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5123.990	39.50	31.72	5.64	36.86	40.00	54.00	-14.00	HORIZONTAL Average
2	5127.736	52.48	31.72	5.63	36.86	52.97	74.00	-21.03	HORIZONTAL Peak
3	5149.479	39.36	31.72	5.62	36.86	39.84	54.00	-14.16	HORIZONTAL Average
4	5149.980	51.06	31.72	5.62	36.86	51.54	74.00	-22.46	HORIZONTAL Peak
5	5270.000	87.10	31.75	5.80	36.87	87.78	-----	-----	HORIZONTAL Average
6 *	5270.000	89.25	31.75	5.80	36.87	89.93	68.20	21.73	HORIZONTAL Peak

Test Mode: 36; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Trace: (Discrete)

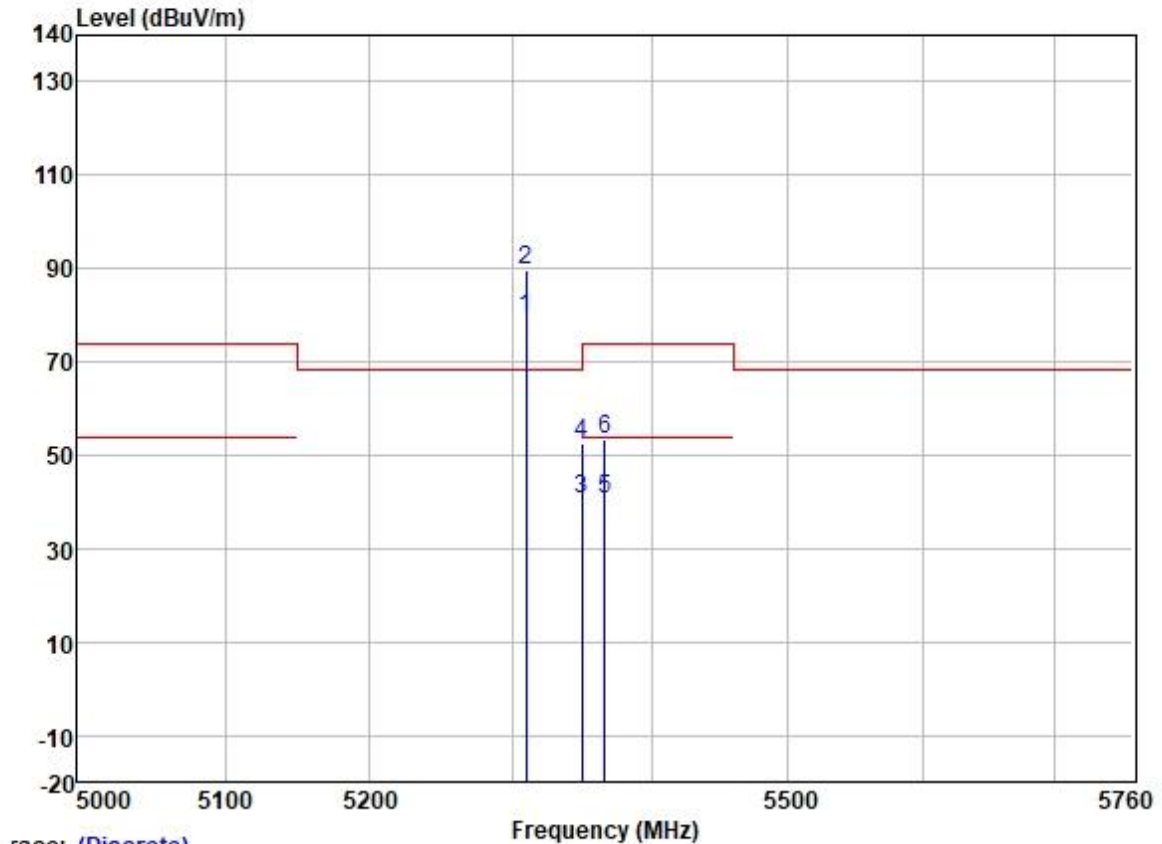
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5139.782	39.79	31.72	5.63	36.86	40.28	54.00	-13.72	VERTICAL
2	5140.969	52.60	31.72	5.63	36.86	53.09	74.00	-20.91	VERTICAL
3	5149.980	39.48	31.72	5.62	36.86	39.96	54.00	-14.04	VERTICAL
4	5149.980	51.64	31.72	5.62	36.86	52.12	74.00	-21.88	VERTICAL
5	5270.000	83.93	31.75	5.80	36.87	84.61	-----	-----	VERTICAL
6 *	5270.000	94.58	31.75	5.80	36.87	95.26	68.20	27.06	VERTICAL



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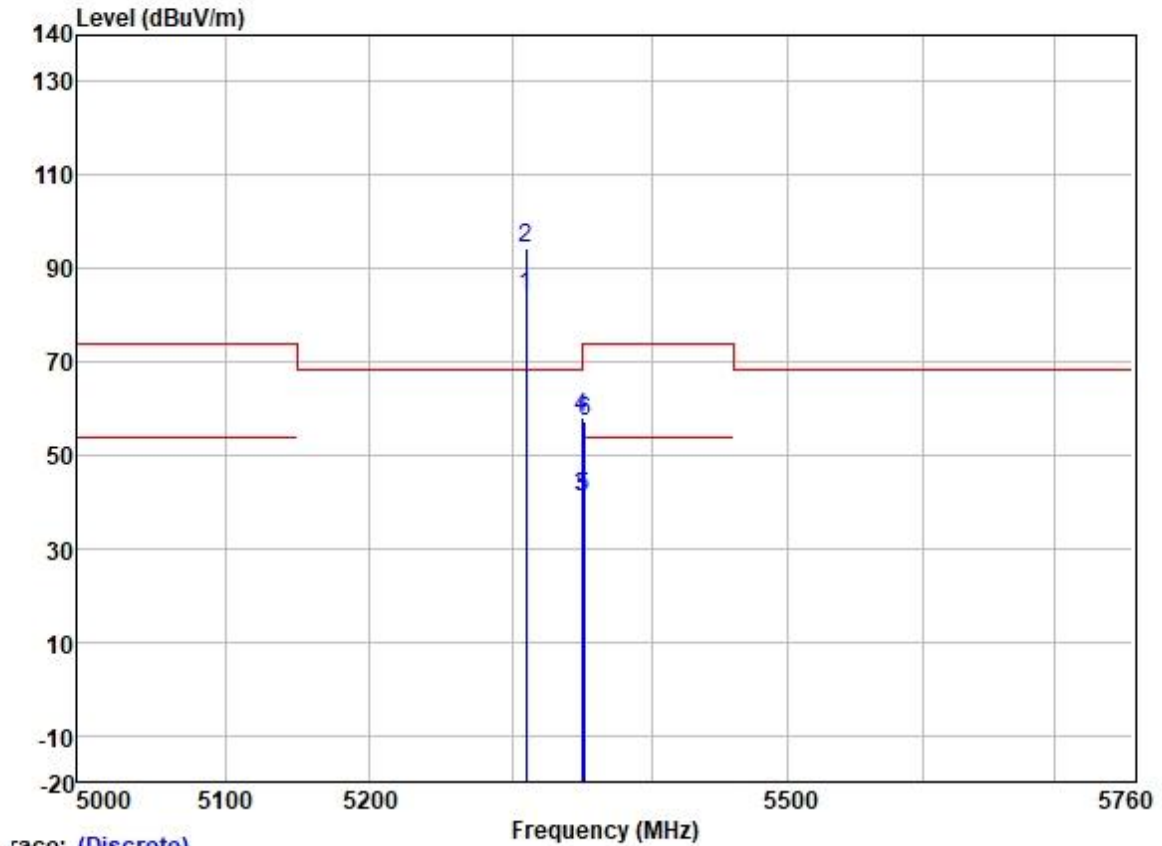
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Test Mode: 36; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



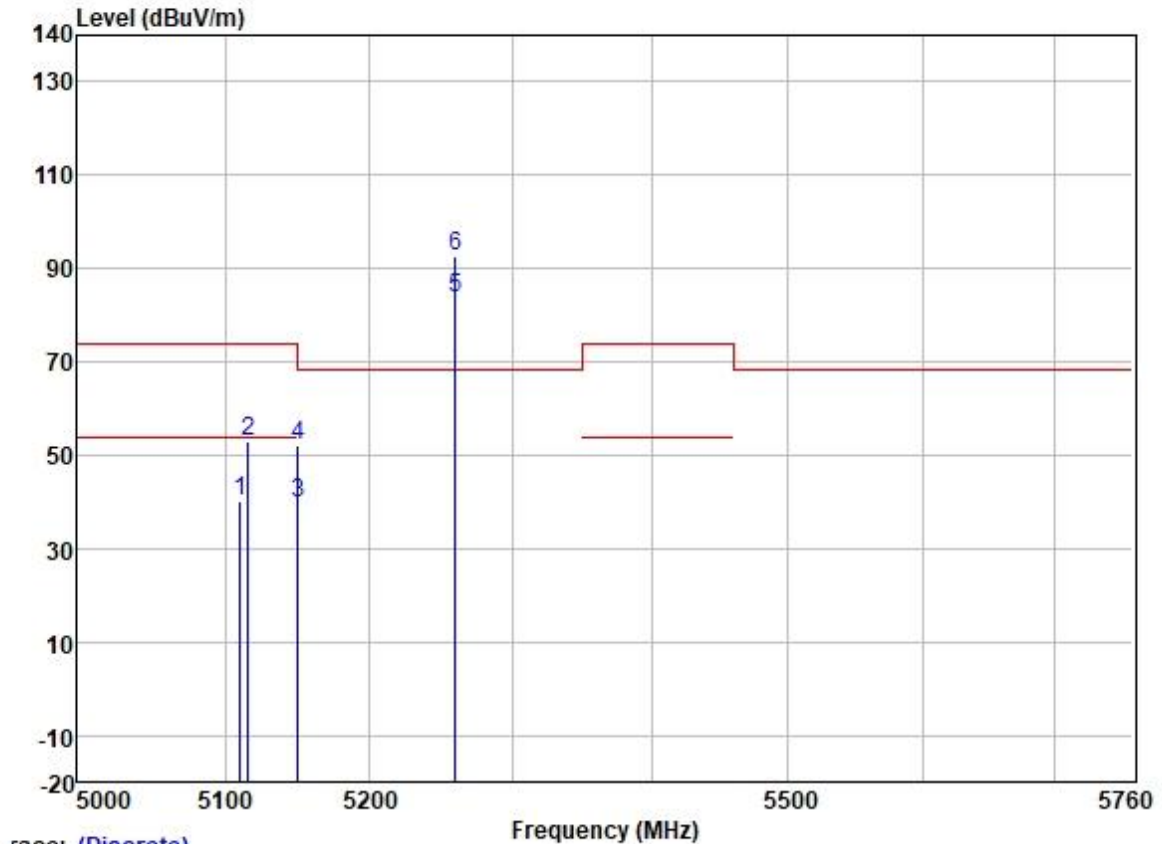
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5310.000	78.45	31.77	6.08	36.87	79.43	-----	-----	HORIZONTAL	Average
2 *	5310.000	88.46	31.77	6.08	36.87	89.44	68.20	21.24	HORIZONTAL	Peak
3	5350.020	39.49	31.77	6.05	36.88	40.43	54.00	-13.57	HORIZONTAL	Average
4	5350.020	51.50	31.77	6.05	36.88	52.44	74.00	-21.56	HORIZONTAL	Peak
5	5366.490	39.73	31.78	6.03	36.88	40.66	54.00	-13.34	HORIZONTAL	Average
6	5366.490	52.52	31.78	6.03	36.88	53.45	74.00	-20.55	HORIZONTAL	Peak

Test Mode: 36; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



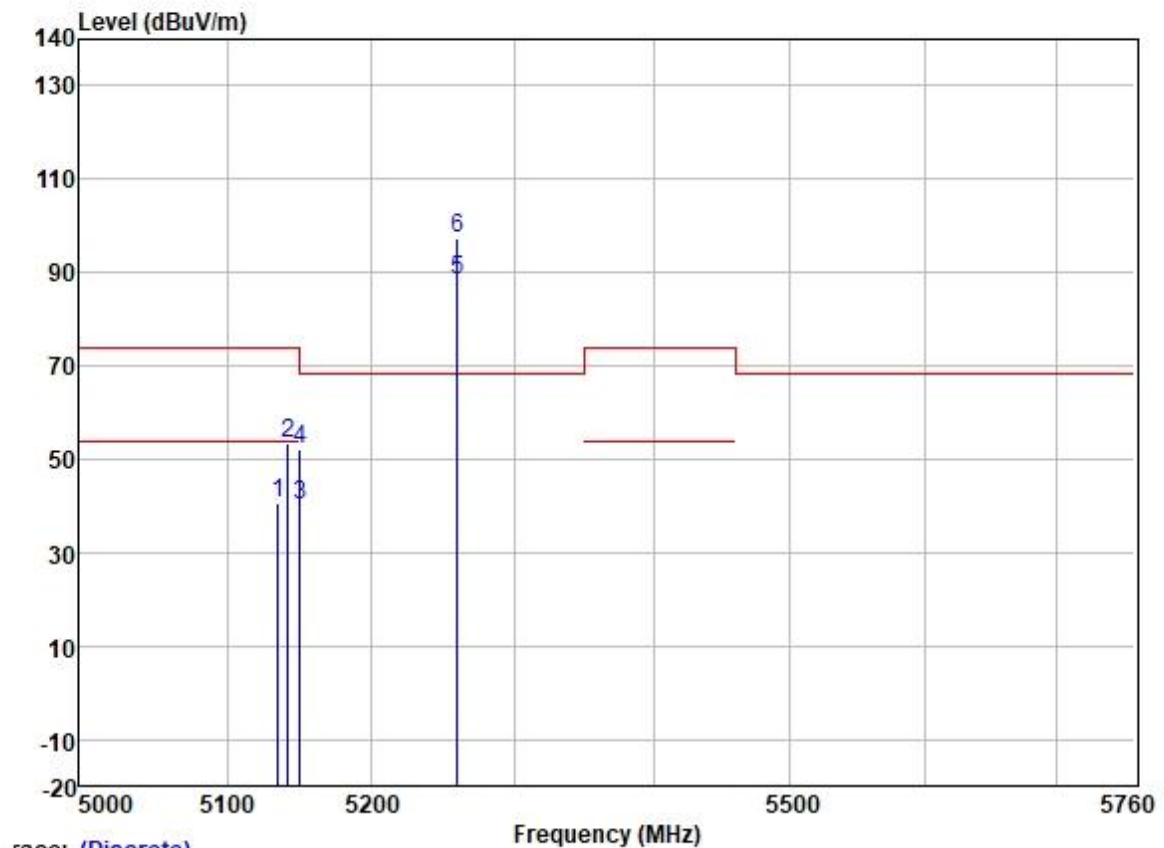
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5310.000	83.04	31.77	6.08	36.87	84.02	-----	-----	VERTICAL	Average
2 *	5310.000	93.52	31.77	6.08	36.87	94.50	68.20	26.30	VERTICAL	Peak
3	5350.020	40.26	31.77	6.05	36.88	41.20	54.00	-12.80	VERTICAL	Average
4	5350.020	57.09	31.77	6.05	36.88	58.03	74.00	-15.97	VERTICAL	Peak
5	5350.834	40.11	31.77	6.05	36.88	41.05	54.00	-12.95	VERTICAL	Average
6	5351.676	56.37	31.77	6.05	36.88	57.31	74.00	-16.69	VERTICAL	Peak

Test Mode: 36; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5110.448	39.75	31.72	5.65	36.86	40.26	54.00	-13.74	HORIZONTAL Average
2	5115.945	52.53	31.72	5.64	36.86	53.03	74.00	-20.97	HORIZONTAL Peak
3	5149.980	39.45	31.72	5.62	36.86	39.93	54.00	-14.07	HORIZONTAL Average
4	5149.980	51.46	31.72	5.62	36.86	51.94	74.00	-22.06	HORIZONTAL Peak
5	5260.000	82.91	31.75	5.77	36.87	83.56	-----	-----	HORIZONTAL Average
6 *	5260.000	92.10	31.75	5.77	36.87	92.75	68.20	24.55	HORIZONTAL Peak

Test Mode: 36; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

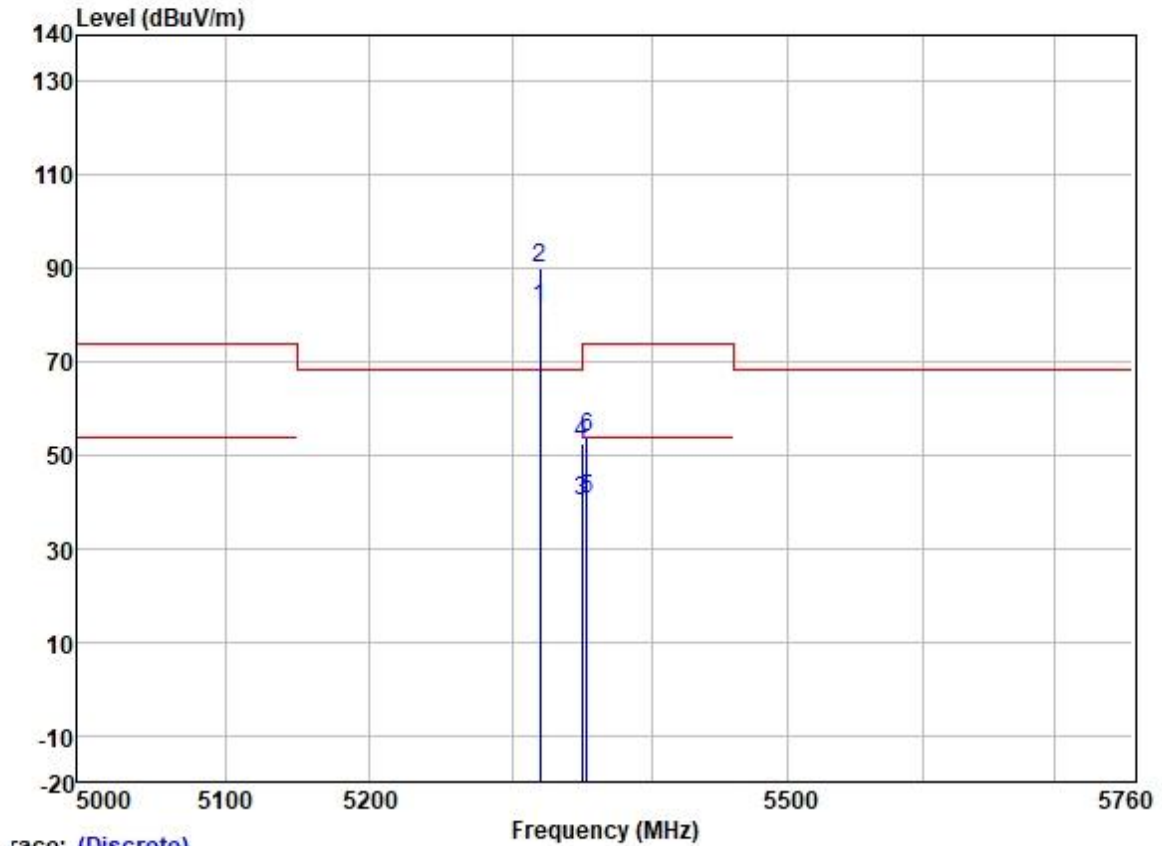
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5134.968	39.93	31.72	5.63	36.86	40.42	54.00	-13.58	VERTICAL Average
2	5141.562	52.98	31.72	5.63	36.86	53.47	74.00	-20.53	VERTICAL Peak
3	5149.980	39.64	31.72	5.62	36.86	40.12	54.00	-13.88	VERTICAL Average
4	5149.980	51.52	31.72	5.62	36.86	52.00	74.00	-22.00	VERTICAL Peak
5	5260.000	87.67	31.75	5.77	36.87	88.32	-----	-----	VERTICAL Average
6 *	5260.000	96.51	31.75	5.77	36.87	97.16	68.20	28.96	VERTICAL Peak



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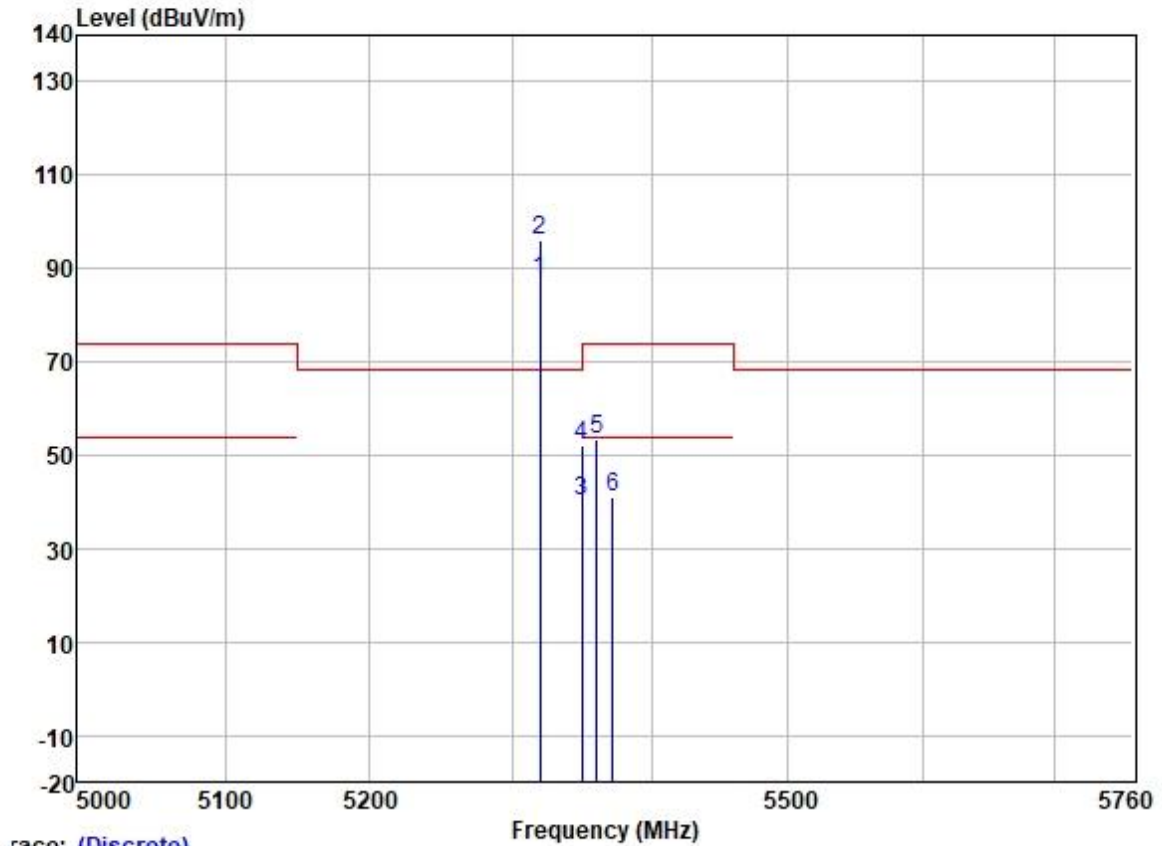
Test Mode: 36; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

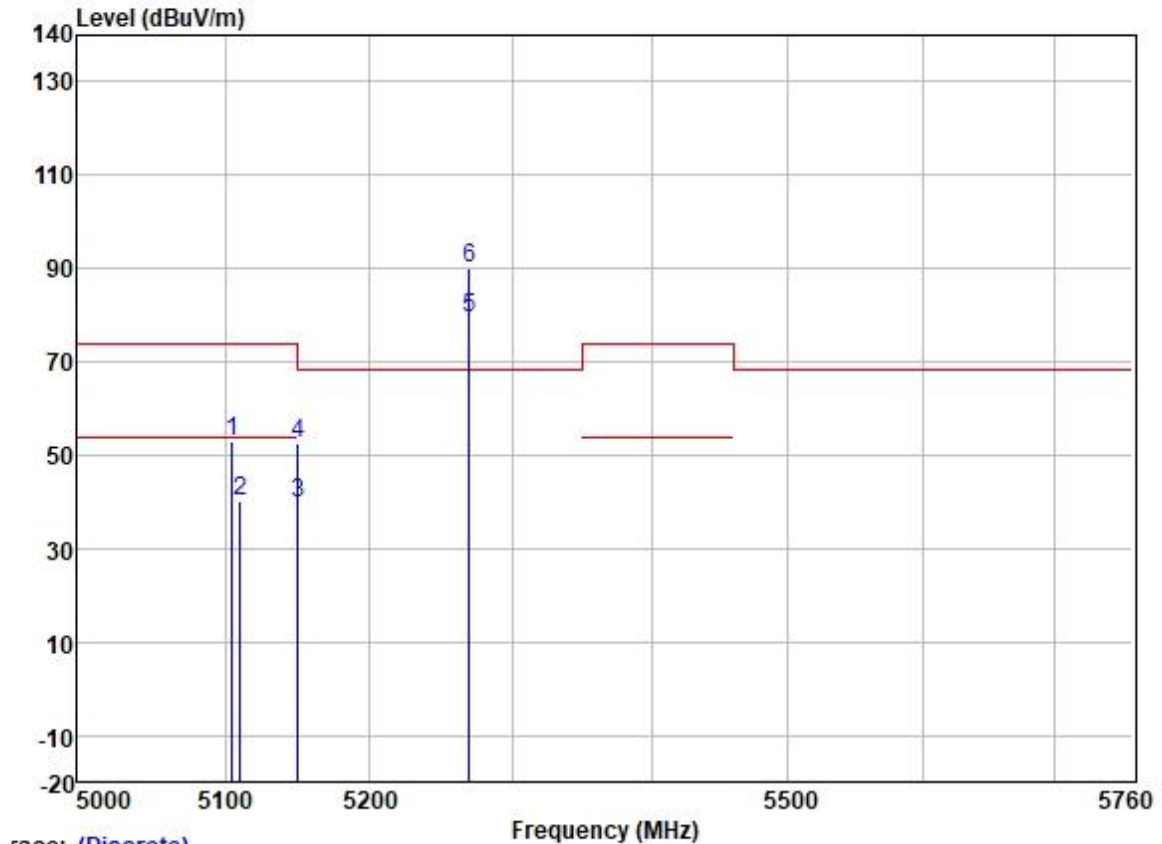
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5320.000	80.71	31.77	6.08	36.88	81.68	-----	-----	HORIZONTAL	Average
2 *	5320.000	89.13	31.77	6.08	36.88	90.10	68.20	21.90	HORIZONTAL	Peak
3	5350.020	39.25	31.77	6.05	36.88	40.19	54.00	-13.81	HORIZONTAL	Average
4	5350.020	51.49	31.77	6.05	36.88	52.43	74.00	-21.57	HORIZONTAL	Peak
5	5353.468	39.65	31.77	6.05	36.88	40.59	54.00	-13.41	HORIZONTAL	Average
6	5353.468	52.82	31.77	6.05	36.88	53.76	74.00	-20.24	HORIZONTAL	Peak

Test Mode: 36; Polarity: Vertical; Modulation:802.11ac; 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	86.35	31.77	6.08	36.88	87.32	-----	-----	VERTICAL	Average
2	* 5320.000	95.16	31.77	6.08	36.88	96.13	68.20	27.93	VERTICAL	Peak
3	5350.020	39.25	31.77	6.05	36.88	40.19	54.00	-13.81	VERTICAL	Average
4	5350.020	51.00	31.77	6.05	36.88	51.94	74.00	-22.06	VERTICAL	Peak
5	5360.677	52.40	31.78	6.03	36.88	53.33	74.00	-20.67	VERTICAL	Peak
6	5371.812	40.20	31.78	6.02	36.88	41.12	54.00	-12.88	VERTICAL	Average

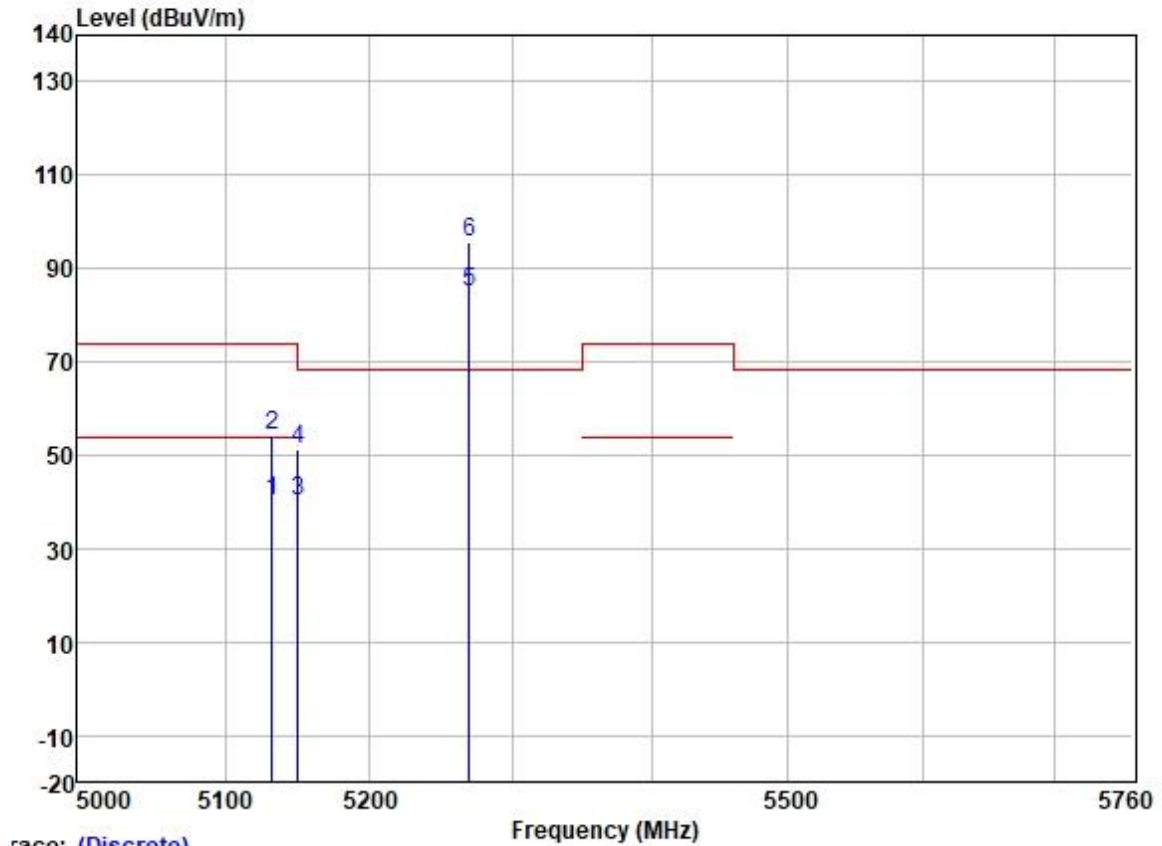
Test Mode: 36; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Trace: (Discrete)

	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5104.514	52.24	31.72	5.65	36.86	52.75	74.00	-21.25	HORIZONTAL Peak
2	5110.604	39.84	31.72	5.65	36.86	40.35	54.00	-13.65	HORIZONTAL Average
3	5149.980	39.43	31.72	5.62	36.86	39.91	54.00	-14.09	HORIZONTAL Average
4	5149.980	52.02	31.72	5.62	36.86	52.50	74.00	-21.50	HORIZONTAL Peak
5	5270.000	78.76	31.75	5.80	36.87	79.44	-----	-----	HORIZONTAL Average
6 *	5270.000	89.58	31.75	5.80	36.87	90.26	68.20	22.06	HORIZONTAL Peak

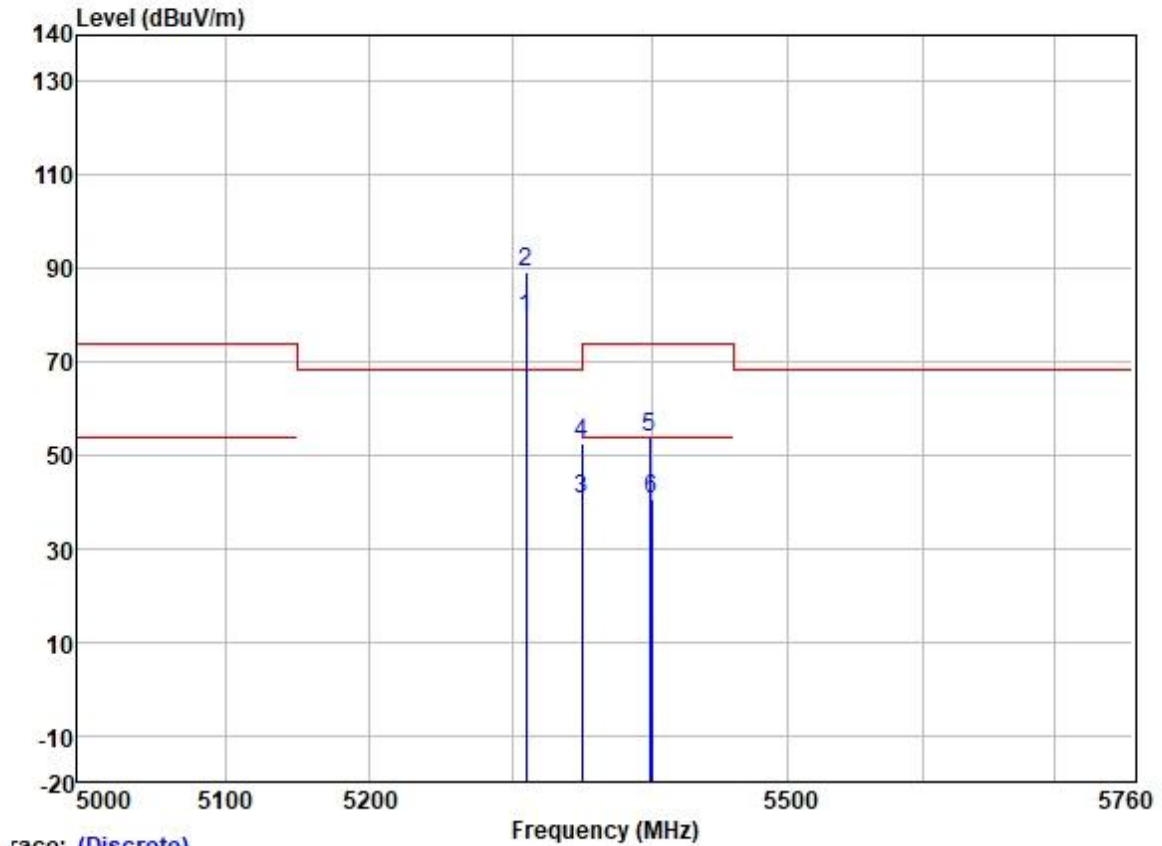
Test Mode: 36; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Trace: (Discrete)

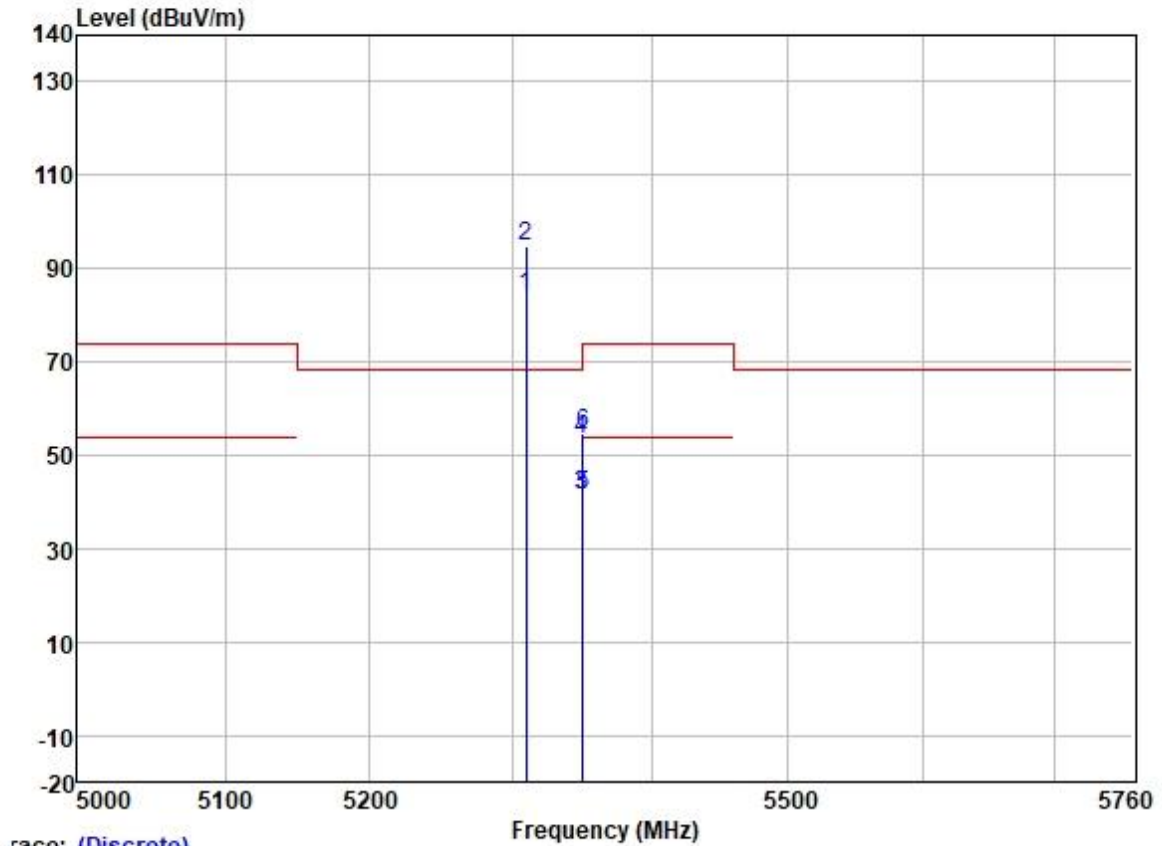
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5132.275	39.78	31.72	5.63	36.86	40.27	54.00	-13.73	VERTICAL Average
2	5132.275	53.54	31.72	5.63	36.86	54.03	74.00	-19.97	VERTICAL Peak
3	5149.980	39.70	31.72	5.62	36.86	40.18	54.00	-13.82	VERTICAL Average
4	5149.980	50.93	31.72	5.62	36.86	51.41	74.00	-22.59	VERTICAL Peak
5	5270.000	84.11	31.75	5.80	36.87	84.79	-----	-----	VERTICAL Average
6 *	5270.000	94.77	31.75	5.80	36.87	95.45	68.20	27.25	VERTICAL Peak

Test Mode: 36; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



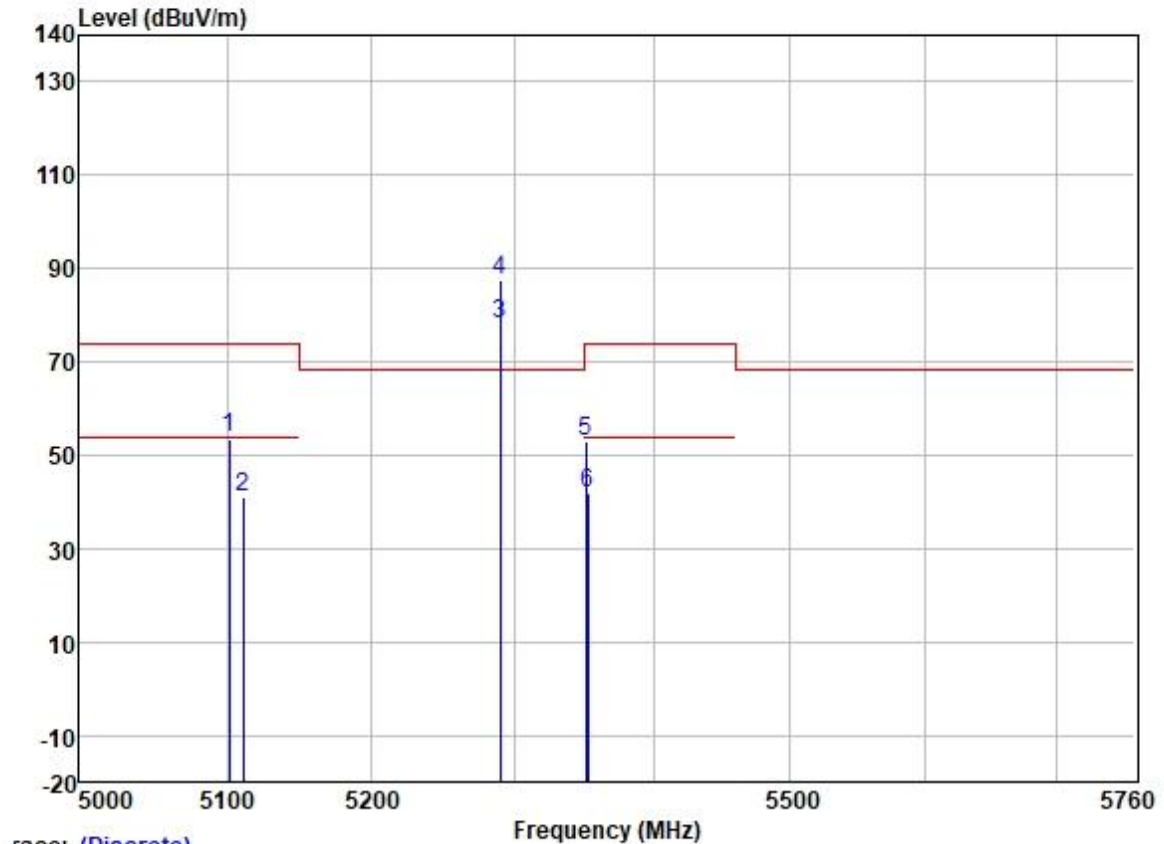
Race: (Discrete)	Frequency (MHz)								
	Freq	ReadAntenna	Cable	Preamp		Limit	Over	Pol/Phase	Remark
		Level	Factor	Loss	Factor	Level	Line		
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5310.000	78.53	31.77	6.08	36.87	79.51	-----	-----	HORIZONTAL Average
2 *	5310.000	88.24	31.77	6.08	36.87	89.22	68.20	21.02	HORIZONTAL Peak
3	5350.020	39.53	31.77	6.05	36.88	40.47	54.00	-13.53	HORIZONTAL Average
4	5350.020	51.56	31.77	6.05	36.88	52.50	74.00	-21.50	HORIZONTAL Peak
5	5398.665	52.77	31.78	6.00	36.88	53.67	74.00	-20.33	HORIZONTAL Peak
6	5399.757	39.75	31.78	6.00	36.88	40.65	54.00	-13.35	HORIZONTAL Average

Test Mode: 36; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Trace: (Discrete)	Frequency (MHz)									
	Freq	ReadAntenna	Cable	Preamp		Limit	Over	Pol/Phase	Remark	
		Level	Factor	Loss	Factor	Level	Line			Limit
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5310.000	83.11	31.77	6.08	36.87	84.09	-----	-----	VERTICAL	Average
2 *	5310.000	93.91	31.77	6.08	36.87	94.89	68.20	26.69	VERTICAL	Peak
3	5350.020	40.33	31.77	6.05	36.88	41.27	54.00	-12.73	VERTICAL	Average
4	5350.020	52.41	31.77	6.05	36.88	53.35	74.00	-20.65	VERTICAL	Peak
5	5350.474	40.46	31.77	6.05	36.88	41.40	54.00	-12.60	VERTICAL	Average
6	5350.594	53.73	31.77	6.05	36.88	54.67	74.00	-19.33	VERTICAL	Peak

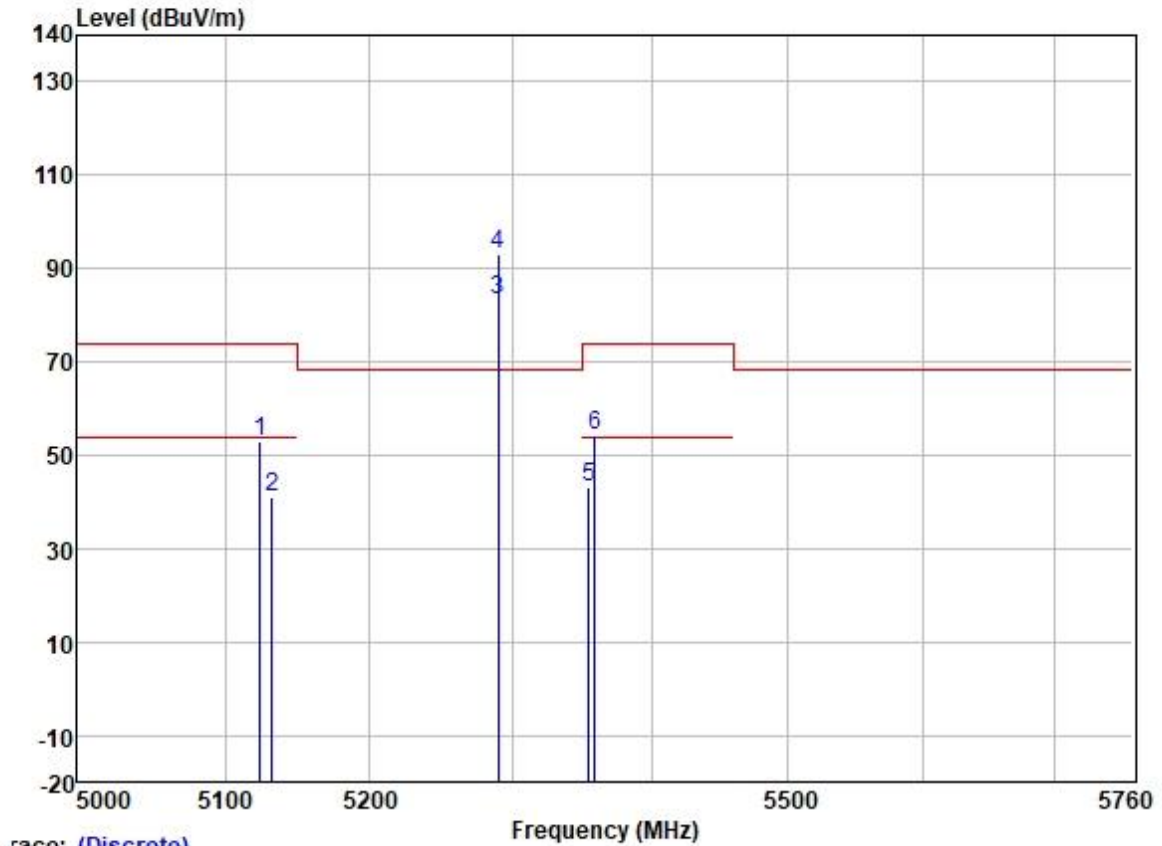
Test Mode: 36; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Trace: (Discrete)

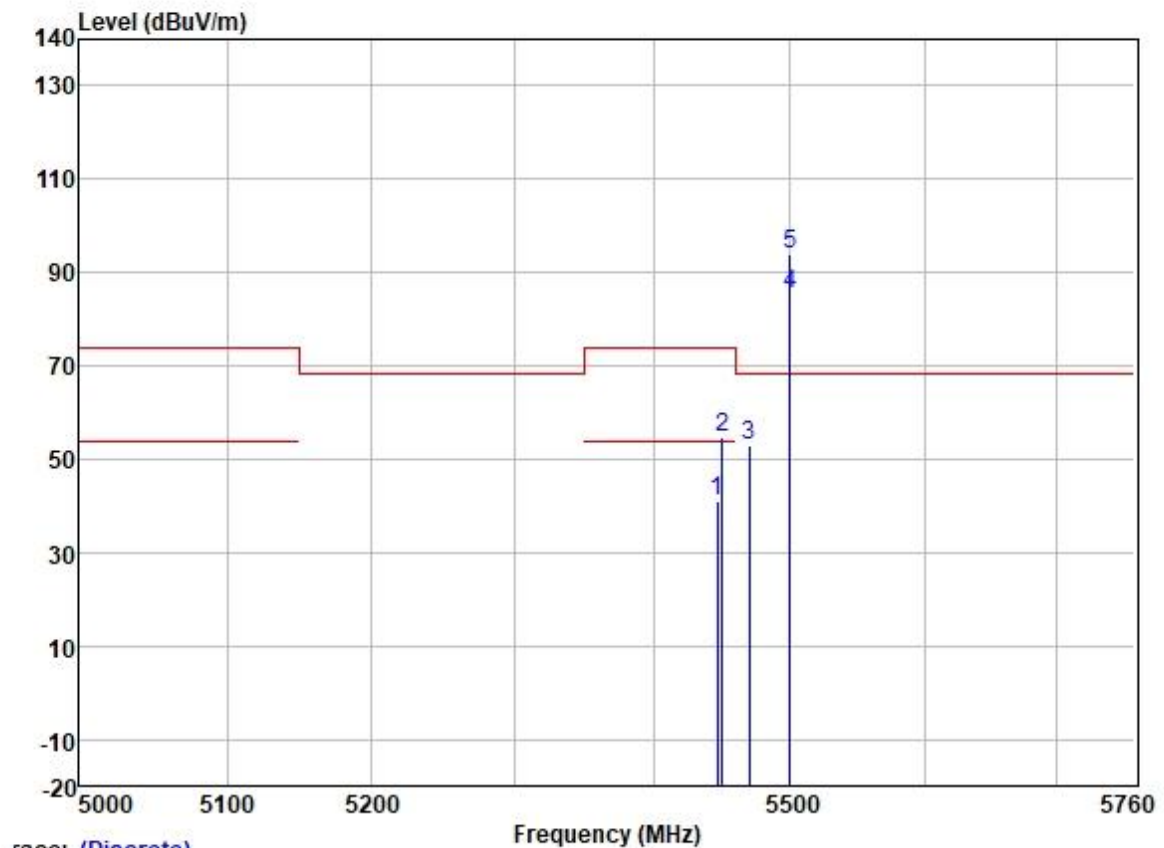
	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5101.458	53.09	31.72	5.65	36.86	53.60	74.00	-20.40	HORIZONTAL Peak
2	5111.089	40.56	31.72	5.65	36.86	41.07	54.00	-12.93	HORIZONTAL Average
3	5290.000	77.10	31.76	6.00	36.87	77.99	-----	-----	HORIZONTAL Average
4 *	5290.000	86.84	31.76	6.00	36.87	87.73	68.20	19.53	HORIZONTAL Peak
5	5351.452	52.15	31.77	6.05	36.88	53.09	74.00	-20.91	HORIZONTAL Peak
6	5352.676	40.78	31.77	6.05	36.88	41.72	54.00	-12.28	HORIZONTAL Average

Test Mode: 36; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



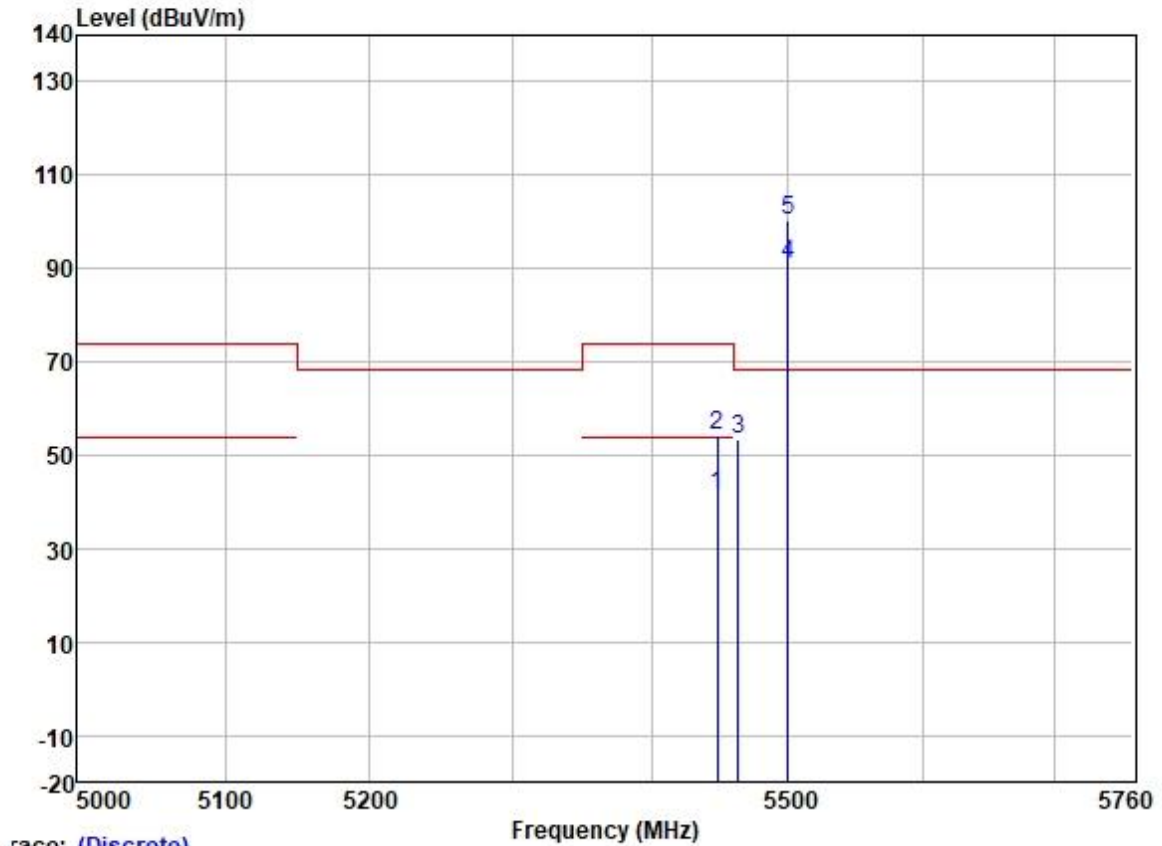
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5124.252	52.45	31.72	5.64	36.86	52.95	74.00	-21.05	VERTICAL	Peak
2	5132.460	40.53	31.72	5.63	36.86	41.02	54.00	-12.98	VERTICAL	Average
3	5290.000	82.16	31.76	6.00	36.87	83.05	-----	-----	VERTICAL	Average
4 *	5290.000	92.10	31.76	6.00	36.87	92.99	68.20	24.79	VERTICAL	Peak
5	5354.512	42.23	31.78	6.03	36.88	43.16	54.00	-10.84	VERTICAL	Average
6	5359.104	53.22	31.78	6.03	36.88	54.15	74.00	-19.85	VERTICAL	Peak

Test Mode: 38; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



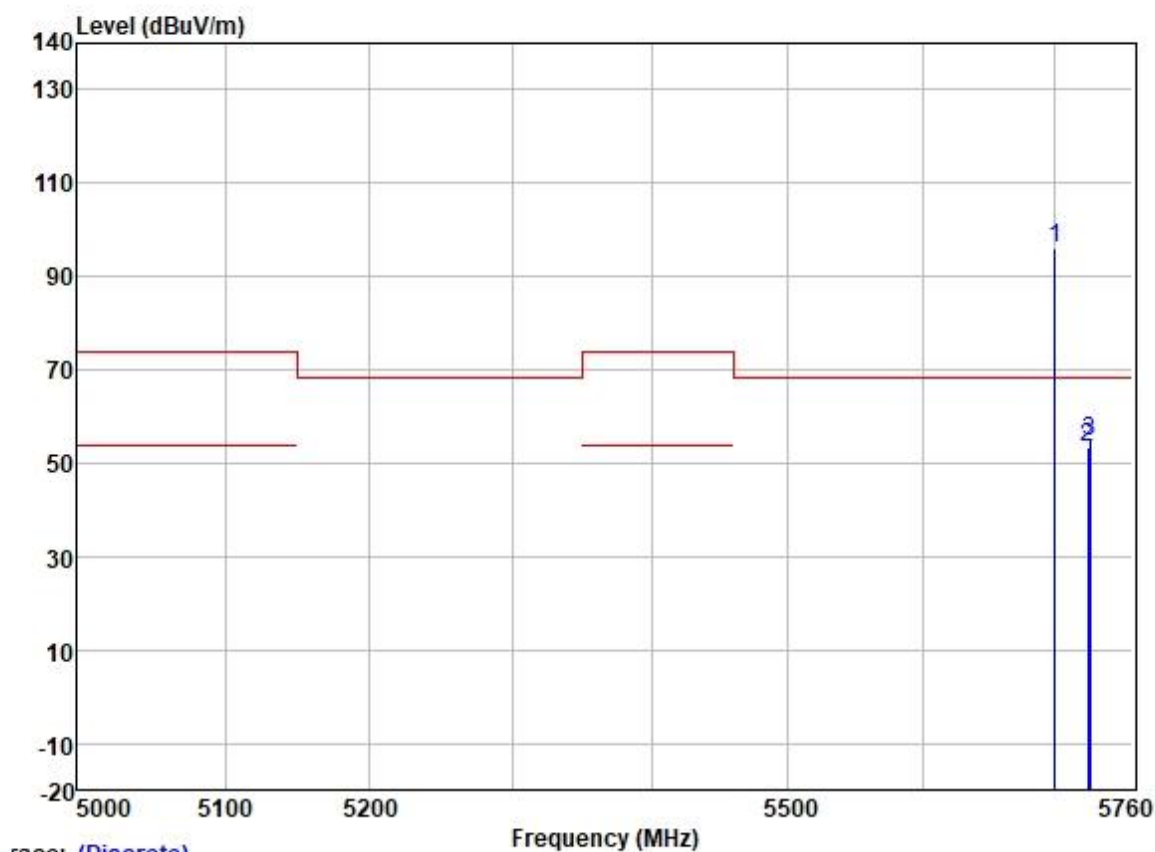
		Read	Antenna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5446.247	39.75	31.79	6.20	36.88	40.86	54.00	-13.14	HORIZONTAL	Average
2	5449.839	53.31	31.79	6.26	36.88	54.48	74.00	-19.52	HORIZONTAL	Peak
3	5469.759	51.79	31.80	6.31	36.88	53.02	68.20	-15.18	HORIZONTAL	Peak
4	5500.000	83.88	31.80	6.40	36.88	85.20	-----	-----	HORIZONTAL	Average
5 *	5500.000	92.63	31.80	6.40	36.88	93.95	68.20	25.75	HORIZONTAL	Peak

Test Mode: 38; 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	5447.444	40.42	31.79	6.20	36.88	41.53	54.00	-12.47	VERTICAL	Average
2	5447.804	52.89	31.79	6.26	36.88	54.06	74.00	-19.94	VERTICAL	Peak
3	5462.791	52.19	31.79	6.26	36.88	53.36	68.20	-14.84	VERTICAL	Peak
4	5500.000	89.60	31.80	6.40	36.88	90.92	-----	-----	VERTICAL	Average
5 *	5500.000	98.79	31.80	6.40	36.88	100.11	68.20	31.91	VERTICAL	Peak

Test Mode: 38; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



race: (Discrete)

	Freq	ReadAntenna Level Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 *	5700.000	94.34	32.01	6.40	36.89	95.86	68.20	27.66	HORIZONTAL Peak
2	5725.000	51.91	32.07	6.25	36.89	53.34	68.20	-14.86	HORIZONTAL Peak
3	5726.883	53.45	32.07	6.25	36.89	54.88	68.20	-13.32	HORIZONTAL Peak

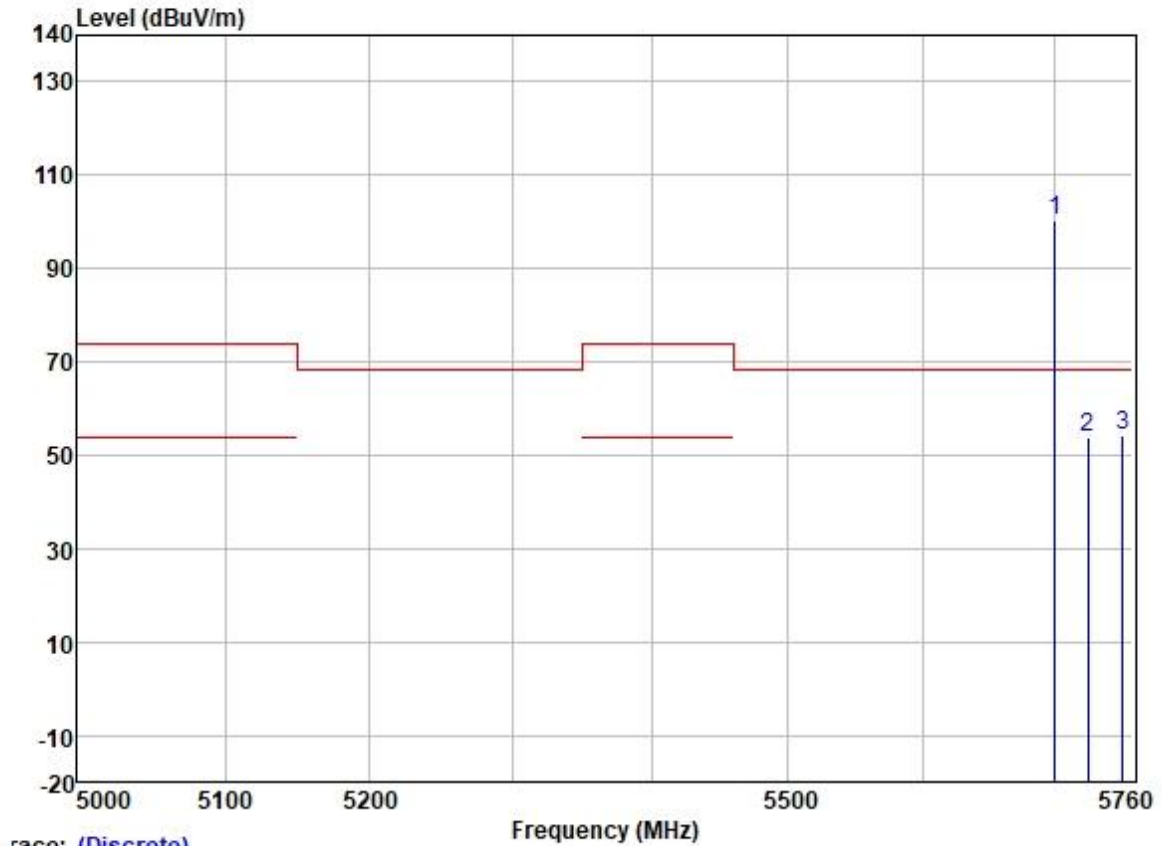


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SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch Testing Center EEC Laboratory.

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 No.198 Kezhu Road, Sointech Park, Guangzhou Economic & Technology Development District, Guangzhou, China 510663 t (86-20) 82155555 f (86-20) 82075058 www.sgsgroup.com.cn

Test Mode: 38; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



race: (Discrete)

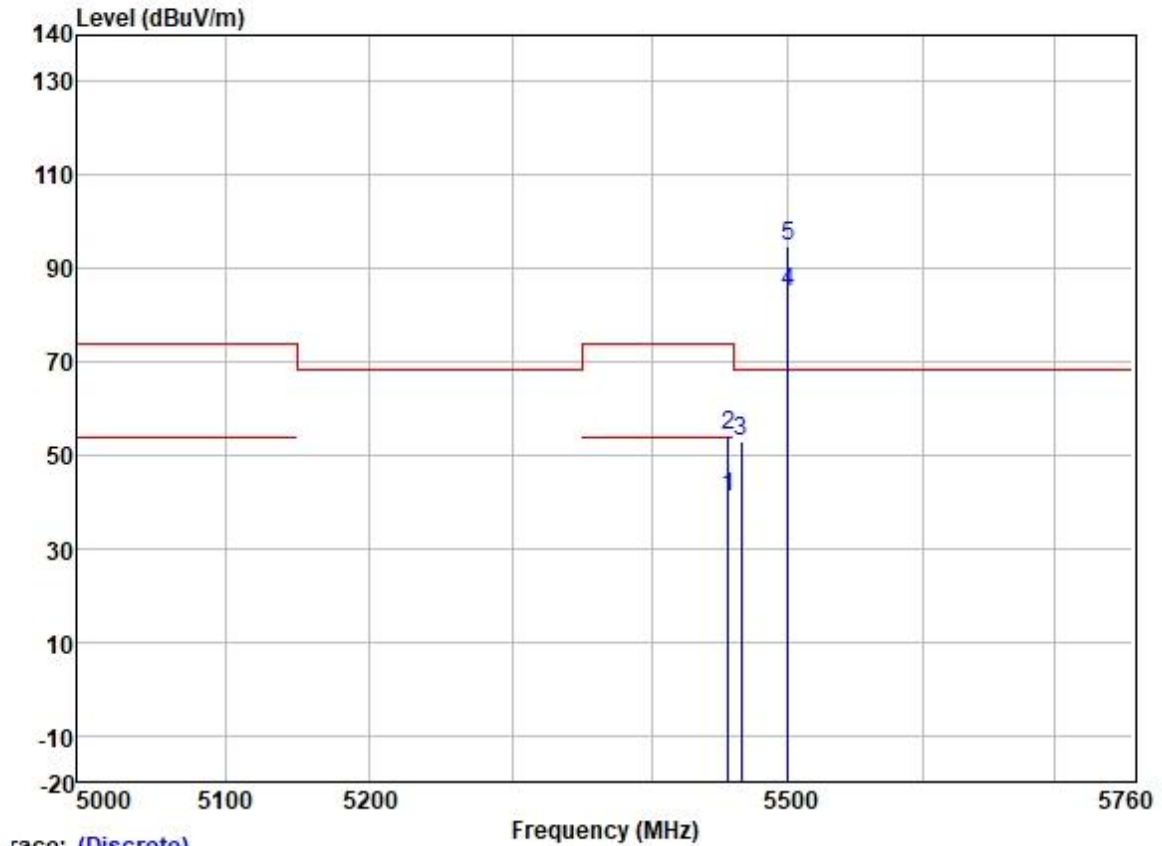
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	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5700.000	98.81	32.01	6.40	36.89	100.33	68.20	32.13	VERTICAL	Peak
2	5725.000	52.49	32.07	6.25	36.89	53.92	68.20	-14.28	VERTICAL	Peak
3	5752.024	52.75	32.10	6.20	36.89	54.16	68.20	-14.04	VERTICAL	Peak



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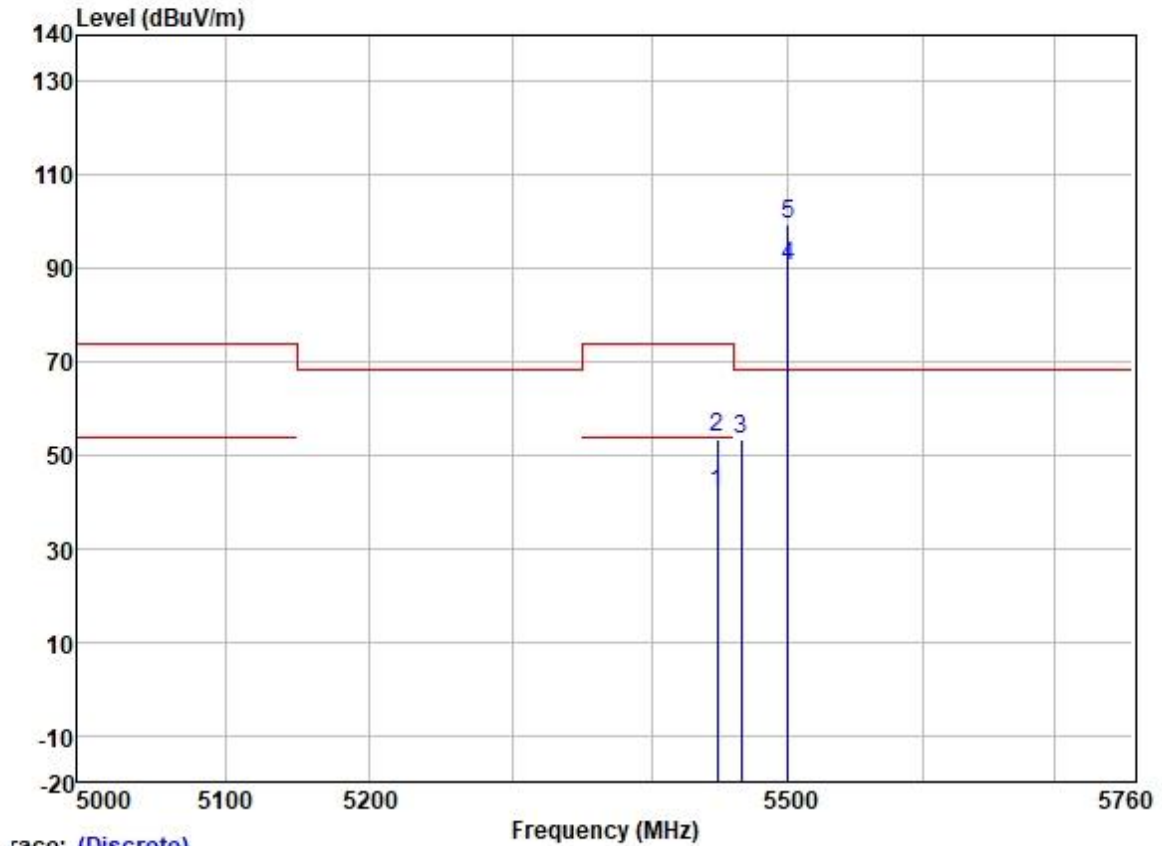
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Test Mode: 38; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



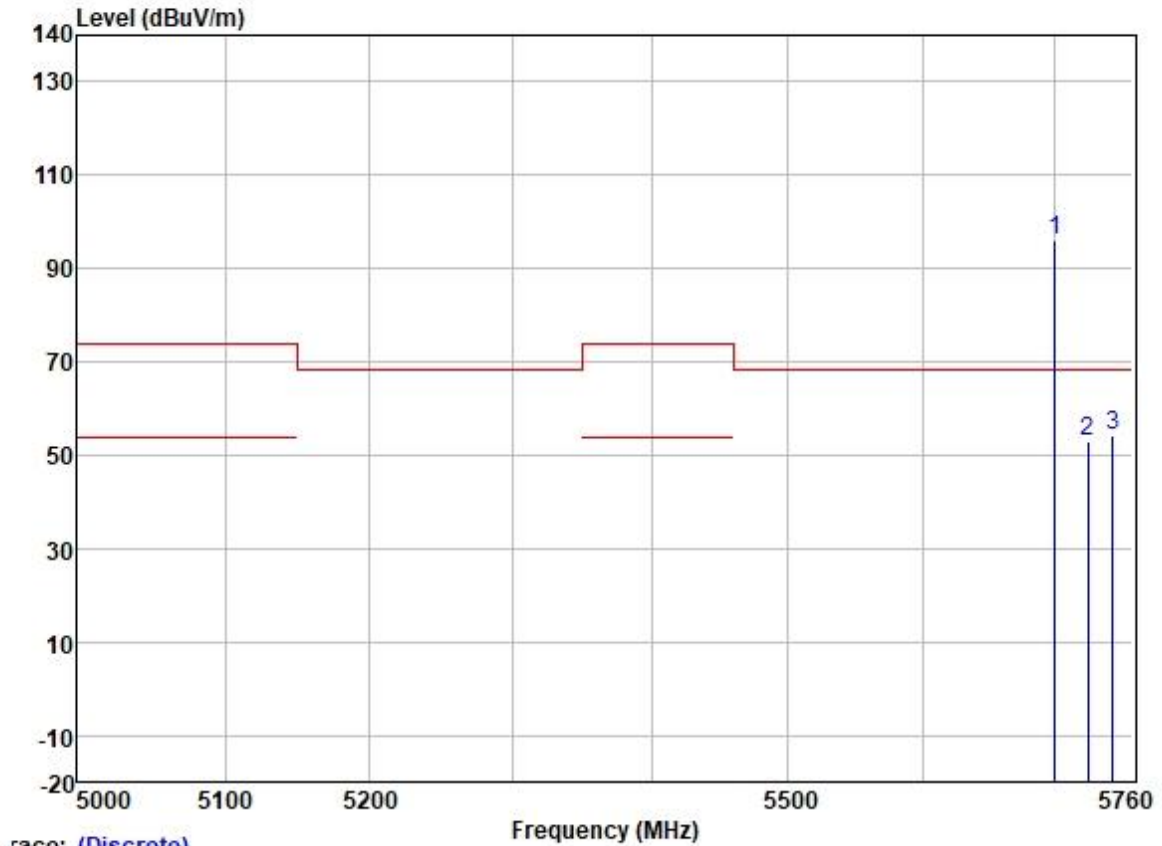
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	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5455.472	39.79	31.79	6.26	36.88	40.96	54.00	-13.04	HORIZONTAL	Average
2	5455.472	53.15	31.79	6.26	36.88	54.32	74.00	-19.68	HORIZONTAL	Peak
3	5465.073	51.94	31.80	6.31	36.88	53.17	68.20	-15.03	HORIZONTAL	Peak
4	5500.000	83.76	31.80	6.40	36.88	85.08	-----	-----	HORIZONTAL	Average
5 *	5500.000	93.25	31.80	6.40	36.88	94.57	68.20	26.37	HORIZONTAL	Peak

Test Mode: 38; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



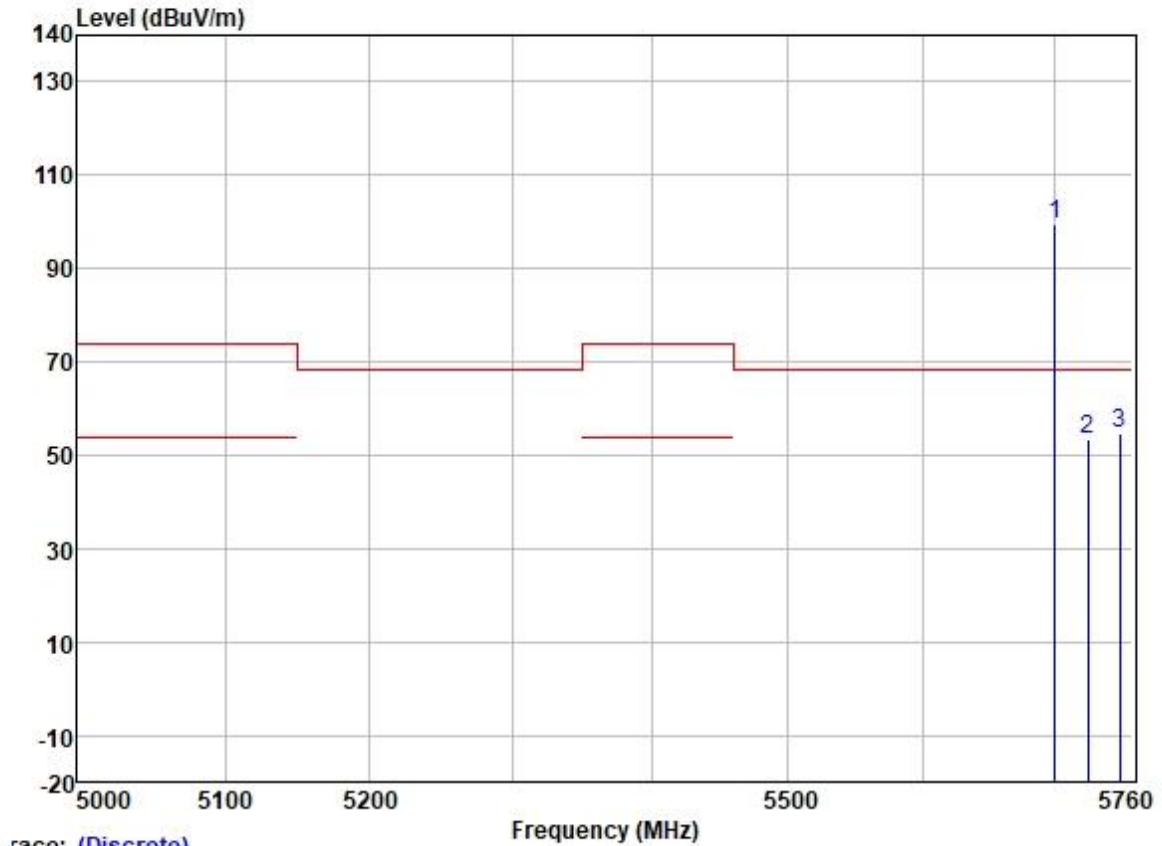
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	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5448.043	40.85	31.79	6.26	36.88	42.02	54.00	-11.98	VERTICAL	Average
2	5448.043	52.43	31.79	6.26	36.88	53.60	74.00	-20.40	VERTICAL	Peak
3	5465.193	52.11	31.80	6.31	36.88	53.34	68.20	-14.86	VERTICAL	Peak
4	5500.000	89.04	31.80	6.40	36.88	90.36	-----	-----	VERTICAL	Average
5 *	5500.000	98.14	31.80	6.40	36.88	99.46	68.20	31.26	VERTICAL	Peak

Test Mode: 38; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5700.000	94.55	32.01	6.40	36.89	96.07	68.20	27.87	HORIZONTAL	Peak
2	5725.000	51.70	32.07	6.25	36.89	53.13	68.20	-15.07	HORIZONTAL	Peak
3	5744.601	52.97	32.10	6.20	36.89	54.38	68.20	-13.82	HORIZONTAL	Peak

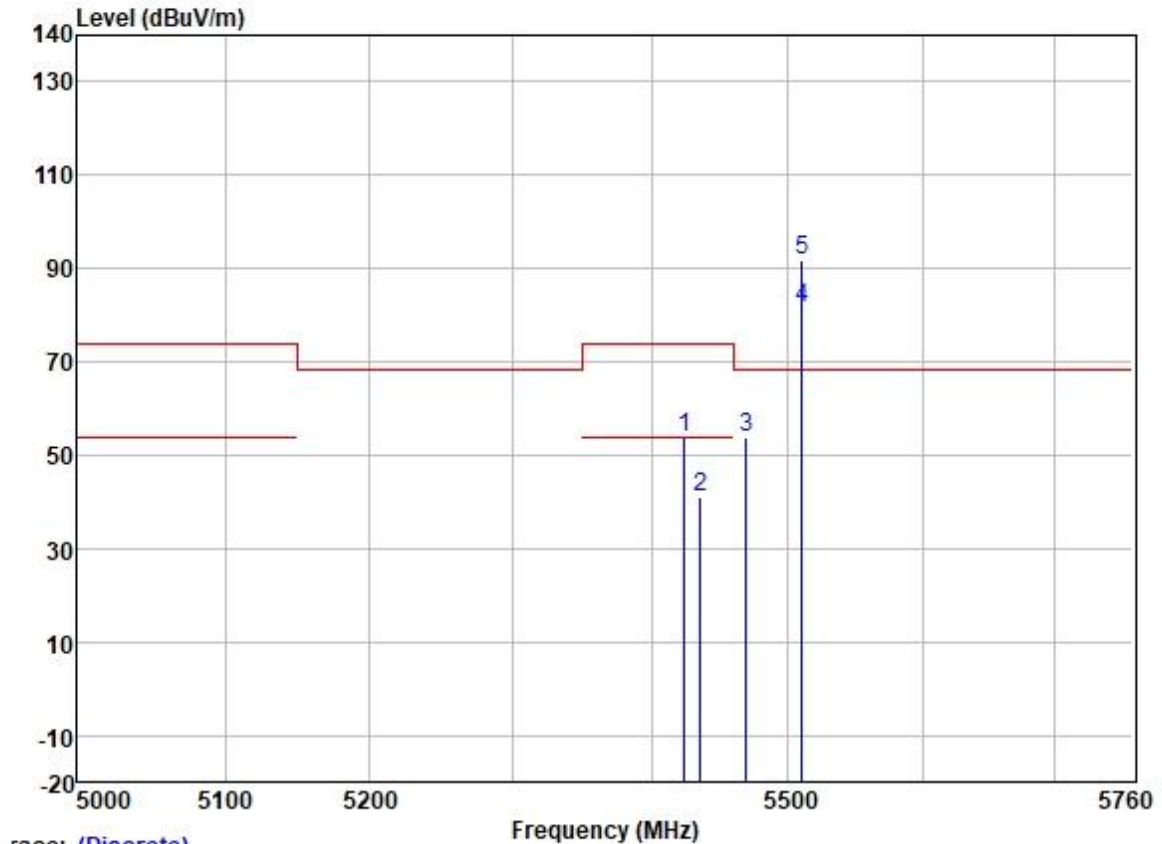
Test Mode: 38; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



race: (Discrete)

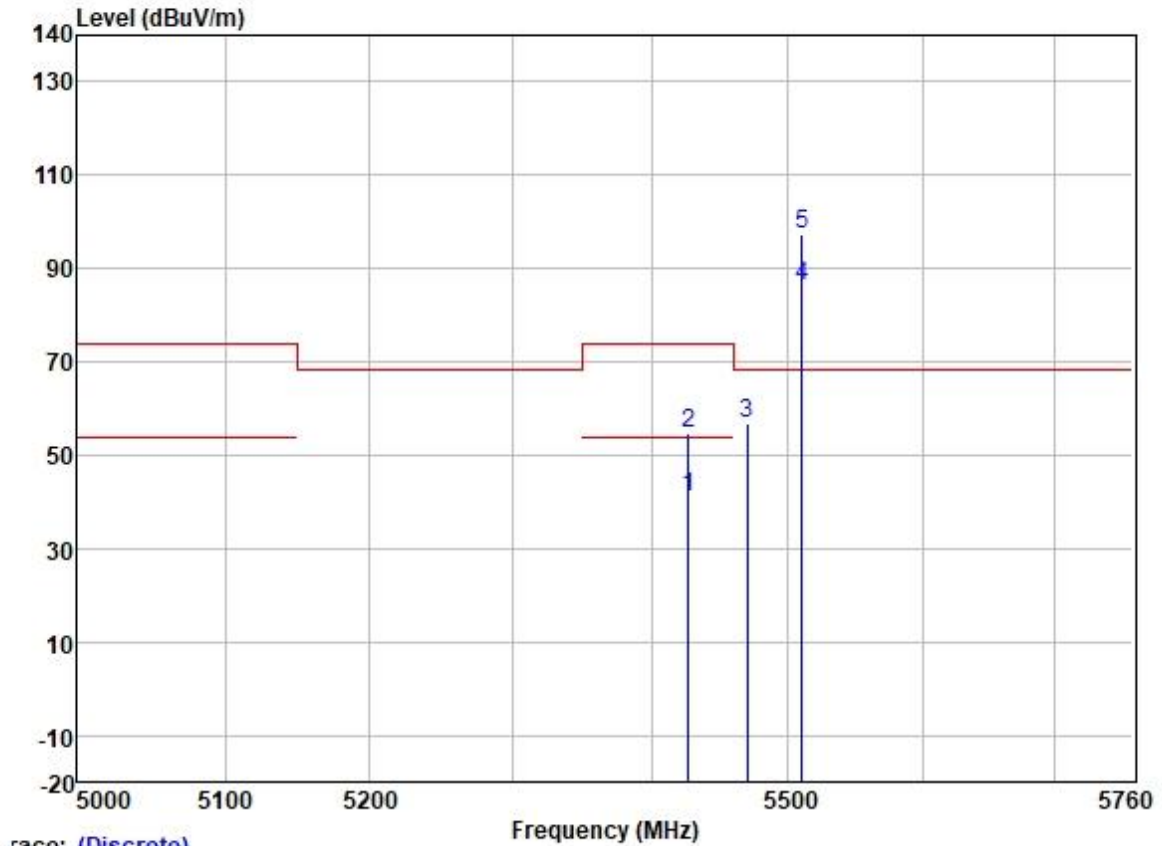
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5700.000	98.03	32.01	6.40	36.89	99.55	68.20	31.35	VERTICAL	Peak
2	5725.000	51.94	32.07	6.25	36.89	53.37	68.20	-14.83	VERTICAL	Peak
3	5749.516	53.16	32.10	6.20	36.89	54.57	68.20	-13.63	VERTICAL	Peak

Test Mode: 38; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



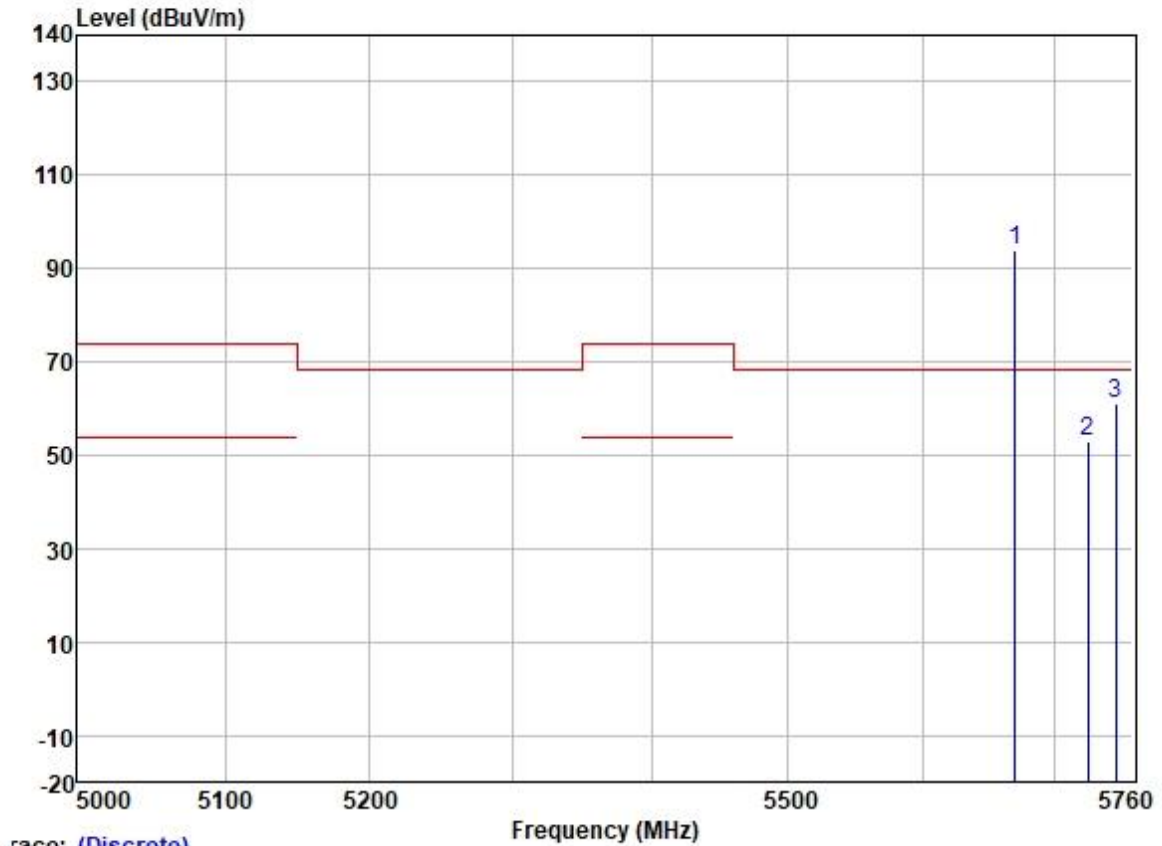
		Read	Antenna	Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5423.826	52.67	31.79	6.13	36.88	53.71	74.00	-20.29	HORIZONTAL	Peak
2	5435.360	39.73	31.79	6.20	36.88	40.84	54.00	-13.16	HORIZONTAL	Average
3	5468.572	52.65	31.80	6.31	36.88	53.88	68.20	-14.32	HORIZONTAL	Peak
4	5510.000	80.08	31.80	6.40	36.88	81.40	-----	-----	HORIZONTAL	Average
5 *	5510.000	90.63	31.80	6.40	36.88	91.95	68.20	23.75	HORIZONTAL	Peak

Test Mode: 38; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5426.880	39.88	31.79	6.13	36.88	40.92	54.00	-13.08	VERTICAL Average
2	5426.880	53.49	31.79	6.13	36.88	54.53	74.00	-19.47	VERTICAL Peak
3	5469.272	55.48	31.80	6.31	36.88	56.71	68.20	-11.49	VERTICAL Peak
4	5510.000	84.82	31.80	6.40	36.88	86.14	-----	-----	VERTICAL Average
5 *	5510.000	95.80	31.80	6.40	36.88	97.12	68.20	28.92	VERTICAL Peak

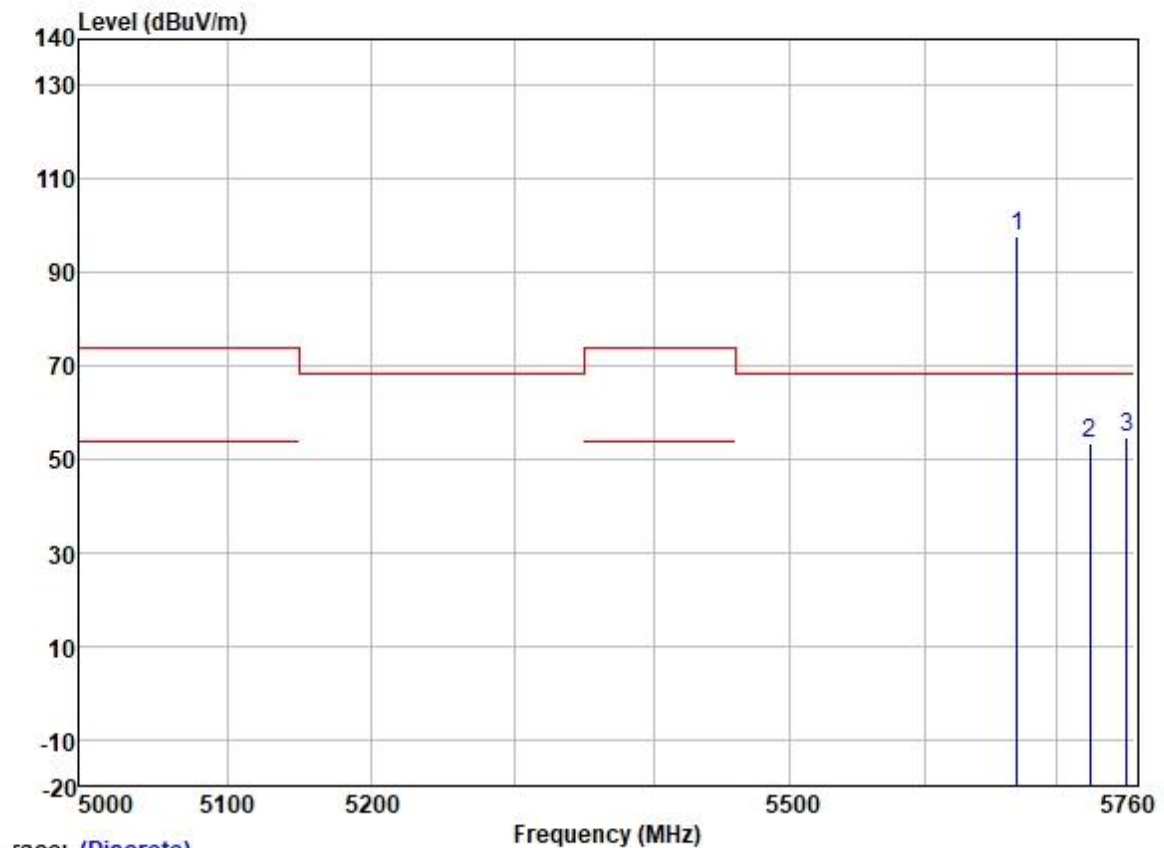
Test Mode: 38; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp	Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 *	5670.000	92.57	31.97	6.37	36.89	94.02	68.20	25.82	HORIZONTAL Peak
2	5725.000	51.63	32.07	6.25	36.89	53.06	68.20	-15.14	HORIZONTAL Peak
3	5746.932	59.58	32.10	6.20	36.89	60.99	68.20	-7.21	HORIZONTAL Peak

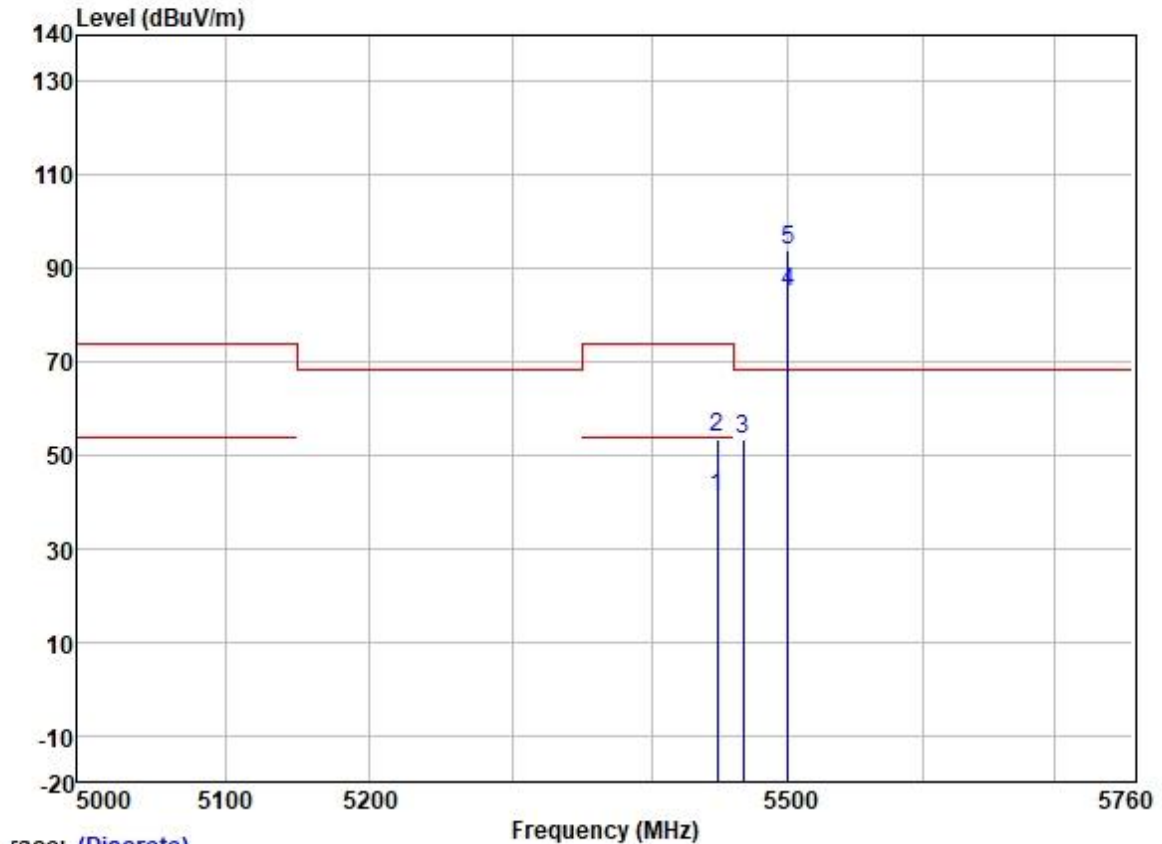
Test Mode: 38; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5670.000	96.15	31.97	6.37	36.89	97.60	68.20	29.40	VERTICAL	Peak
2	5725.000	51.87	32.07	6.25	36.89	53.30	68.20	-14.90	VERTICAL	Peak
3	5753.559	53.07	32.10	6.20	36.89	54.48	68.20	-13.72	VERTICAL	Peak

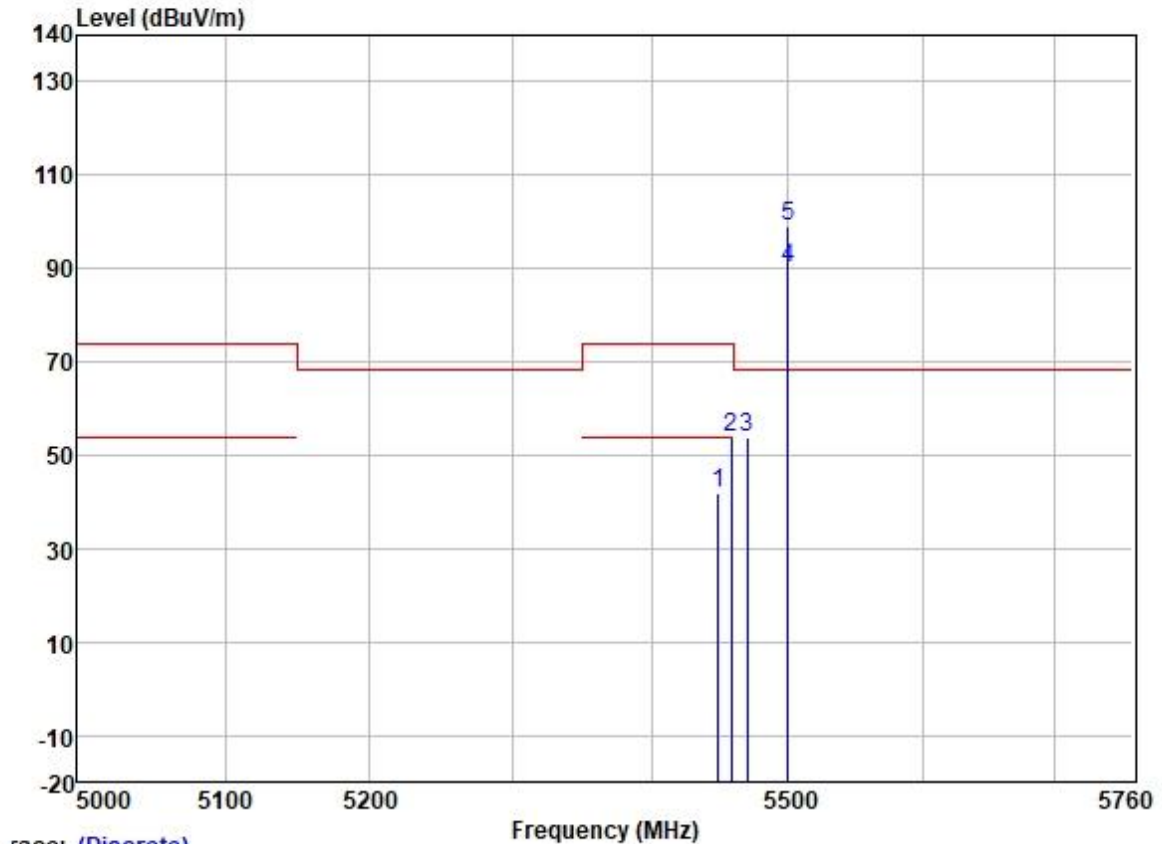
Test Mode: 38; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

	Freq	Read	Antenna	Cable	Preamp	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5447.684	39.79	31.79	6.20	36.88	40.90	54.00	-13.10	HORIZONTAL Average
2	5447.684	52.49	31.79	6.20	36.88	53.60	74.00	-20.40	HORIZONTAL Peak
3	5466.755	52.30	31.80	6.31	36.88	53.53	68.20	-14.67	HORIZONTAL Peak
4	5500.000	83.75	31.80	6.40	36.88	85.07	-----	-----	HORIZONTAL Average
5 *	5500.000	92.64	31.80	6.40	36.88	93.96	68.20	25.76	HORIZONTAL Peak

Test Mode: 38; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

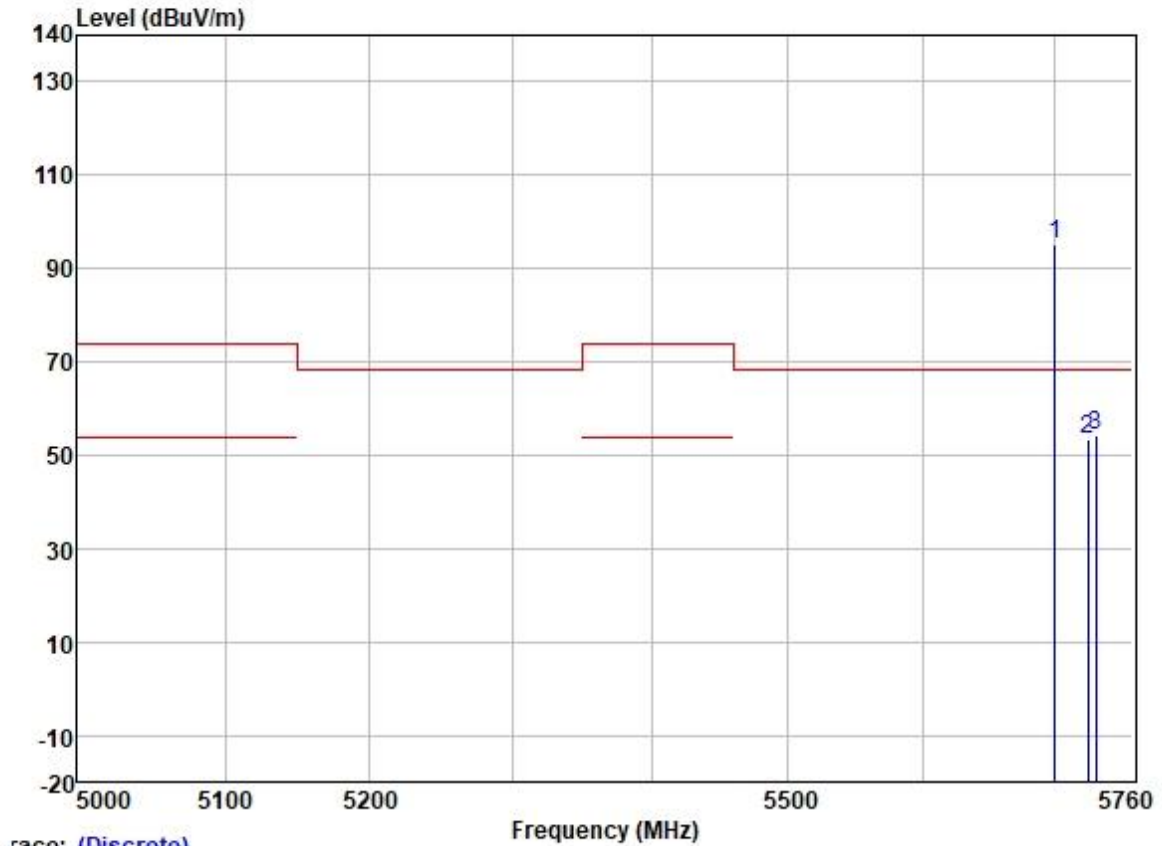
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5448.282	40.82	31.79	6.26	36.88	41.99	54.00	-12.01	VERTICAL	Average
2	5457.991	52.57	31.79	6.26	36.88	53.74	74.00	-20.26	VERTICAL	Peak
3	5469.399	52.41	31.80	6.31	36.88	53.64	68.20	-14.56	VERTICAL	Peak
4	5500.000	88.76	31.80	6.40	36.88	90.08	-----	-----	VERTICAL	Average
5 *	5500.000	97.70	31.80	6.40	36.88	99.02	68.20	30.82	VERTICAL	Peak



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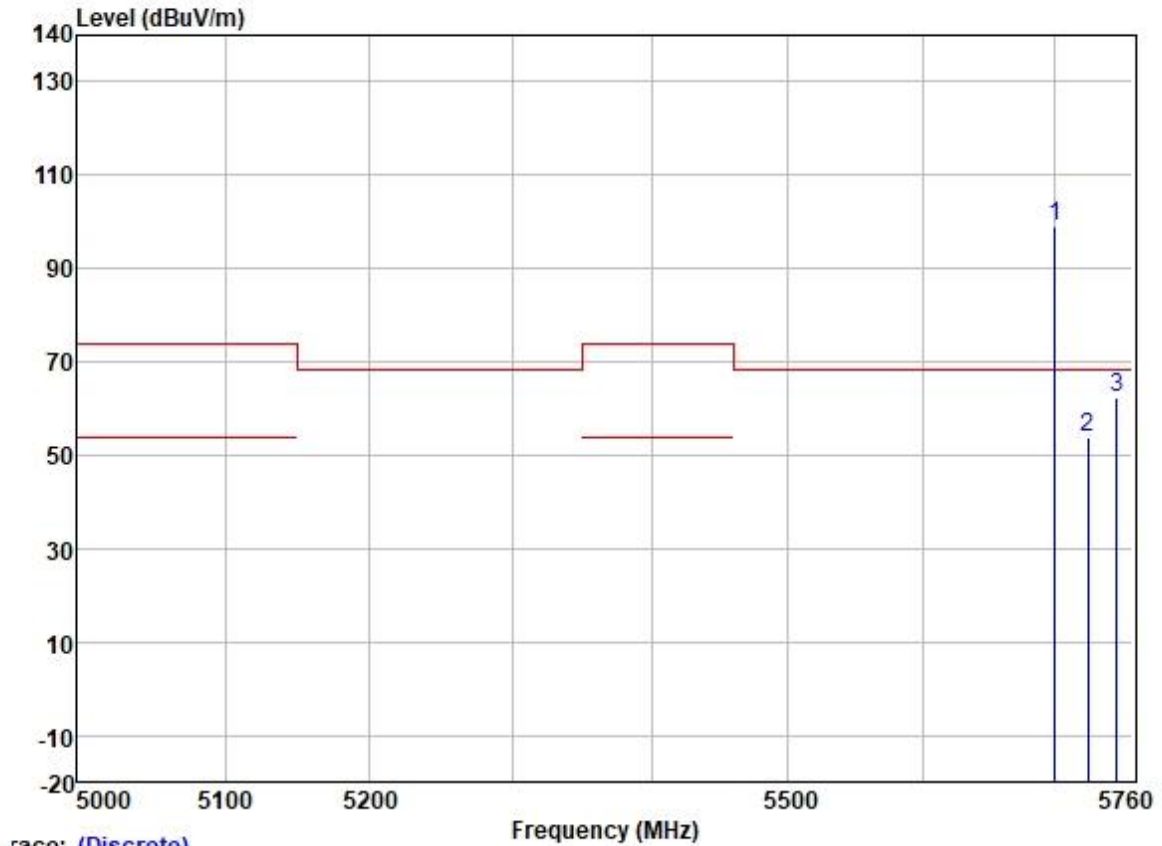
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

Test Mode: 38; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



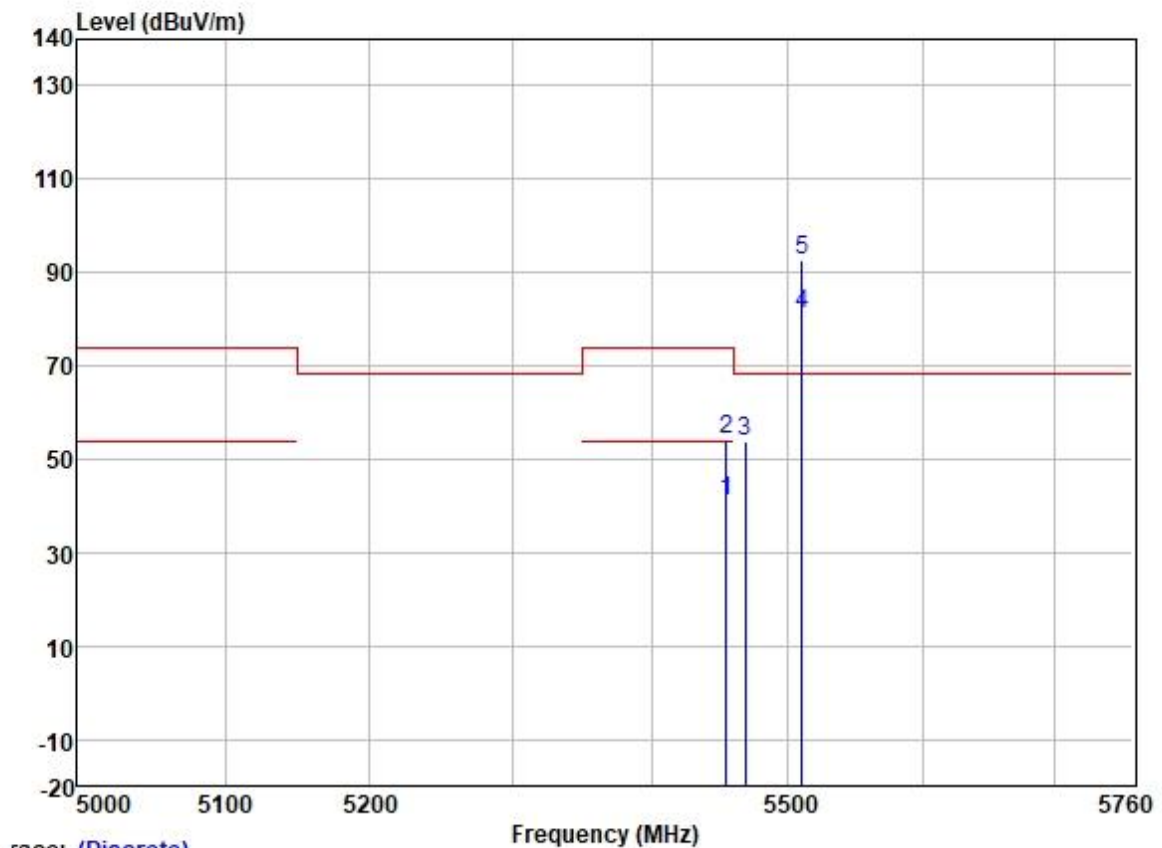
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5700.000	93.73	32.01	6.40	36.89	95.25	68.20	27.05	HORIZONTAL	Peak
2	5725.000	52.03	32.07	6.25	36.89	53.46	68.20	-14.74	HORIZONTAL	Peak
3	5731.382	52.91	32.07	6.25	36.89	54.34	68.20	-13.86	HORIZONTAL	Peak

Test Mode: 38; Polarity: Vertical; Modulation:802.11ac; 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	97.51	32.01	6.40	36.89	99.03	68.20	30.83	VERTICAL	Peak
2	5725.000	52.21	32.07	6.25	36.89	53.64	68.20	-14.56	VERTICAL	Peak
3	5747.609	60.94	32.10	6.20	36.89	62.35	68.20	-5.85	VERTICAL	Peak

Test Mode: 38; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



race: (Discrete)

	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5454.454	39.74	31.79	6.26	36.88	40.91	54.00	-13.09	HORIZONTAL	Average
2	5454.454	52.99	31.79	6.26	36.88	54.16	74.00	-19.84	HORIZONTAL	Peak
3	5468.152	52.42	31.80	6.31	36.88	53.65	68.20	-14.55	HORIZONTAL	Peak
4	5510.000	79.96	31.80	6.40	36.88	81.28	-----	-----	HORIZONTAL	Average
5 *	5510.000	91.17	31.80	6.40	36.88	92.49	68.20	24.29	HORIZONTAL	Peak