

TEST REPORT

Application No.:	GZCR2410001162AT
Applicant:	Comba Telecom Network Systems Limited
Address of Applicant:	Flat/Rm 10, 3/F, Bio-Informatics Ctr, 2 Science Park West Avenue, HK Science Park, Pak Shek Kok, N.T. Hong Kong
Manufacturer:	Comba Network Systems Company Limited
Address of Manufacturer:	No. 10 Shenzhou Road, Guangzhou Science City, Guangzhou 510663, Guangdong, P.R.China
Factory:	Comba Telecom Technology (Guangzhou) Ltd.
Address of Factory:	No. 6 Jinbi Road, Economics and Technology Development District, Guangzhou, Guangdong, China
Product Name:	SailaJoint
Model No.:	SW-J
Trade Mark:	SailaWave
Standard(s) :	47 CFR Part 15, Subpart E 15.407
Date of Receipt:	2024-10-08
Date of Test:	2024-11-12 to 2024-11-19
Date of Issue:	2024-11-28

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



Ricky Liu
Manager

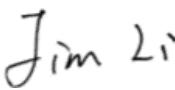
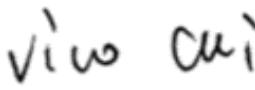


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Revision Record			
Version	Report No.	Date	Remark
01	GZCR241000116202	2024-11-28	Original

Authorized for issue by:			
	 _____ Jim Li/Project Engineer		
	 _____ Vico Cui/Reviewer		

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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 E 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 & Subpart E 15.407 b(9)	Pass
Maximum Conducted output power		KDB 789033 D02 II E	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Radiated Emissions (Below 1GHz)		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Radiated Emissions (Above 1GHz)		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Radiated Emissions which fall in the restricted bands		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Duty Cycle		KDB 789033 D02 II B 1	KDB 789033 D02 II B 1	Pass
99% Bandwidth		KDB 789033 D02 II D	N/A	Pass
26dB Emission bandwidth		KDB 789033 D02 II C 1	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Minimum 6 dB bandwidth (5.725-5.85 GHz band)		KDB 789033 D02 II C 2	47 CFR Part 15, Subpart E 15.407 (e)	Pass
Peak Power spectrum density		KDB 789033 D02 II F	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Frequency Stability		ANSI C63.10 (2013) Section 6.8	47 CFR Part 15, Subpart E 15.407 (g)	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.



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4 General Information

4.1 Details of E.U.T.

Power supply:	DC 12V
Cable(s):	RJ45 Port/PoE Port x1 RJ45 Port x3 DC 9V-36V x2
Test Voltage:	AC 120 V, 60 Hz
Operation Frequency/Number of channels (20MHz):	U-NII-1: 5180-5240MHz (4 Channels); U-NII-2A: 5260-5320MHz (4 Channels) U-NII-2C: 5500-5700MHz (11 Channels) U-NII-3: 5745-5825MHz (5 Channels) U-NII-1: 5190-5230MHz (2 Channels)
Operation Frequency/Number of channels/(40MHz):	U-NII-2A: 5270-5310MHz (2 Channels) U-NII-2C: 5510-5670MHz (5 Channels) U-NII-3: 5755-5795MHz (2 Channels) U-NII-1: 5210MHz (1 Channel)
Operation Frequency/Number of channels (80MHz):	U-NII-2A: 5290MHz (1 Channels) U-NII-2C: 5530-5610MHz (2 Channels) U-NII-3: 5775MHz (1 Channel)
Operation Frequency/Number of channels (160MHz):	U-NII-1+2A: 5250MHz (1 Channel) U-NII-2C: 5570MHz (1 Channels)
Modulation Type:	802.11a: OFDM (BPSK, QPSK, 16QAM, 64QAM) 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM) 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM) 802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024-QAM) 802.11a/n/ac/ax 20: 20MHz 802.11n/ac/ax 40: 40MHz 802.11ac/ax 80: 80MHz
Channel Spacing:	
DFS Function:	Master
TPC Function:	Support TPC function
Antenna Type:	IPEX Antenna
Antenna Number:	4
Antenna Gain:	Antenna 1 & 2 & 3 & 4: 3.73 dBi
Remark:	Four antennas can simultaneous transmission

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4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Note Book Computer	LENOVO	ThinkPad T490	PF1D1MVJ
Wireless Router	Honor	HiRouter-CD30	AWTEQ20C040 01295
DC Power Supply	PREEN	GPS-3030DD (Input: AC100-240V, 50/60Hz; Output: DC Max.30V, 3A)	EMC0008
AC ADAPTER	HuntKey	HKA06012050 (Input: AC100-240V, 50/60Hz, 1.5A; Output: 12V, 5A, 60.0W)	Y60Z2J229F002 763
AC ADAPTER	CHANNEL WELL TECHNOLOGY	P030U05 (Input: AC100-240V, 0.7A, 50/60Hz; Output: 56V, 0.54A, 30.0W)	13-20060000-00281

4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at AC Power Line (150kHz-30MHz)	± 3.22dB
Maximum Conducted output power	± 0.75dB
Radiated Emissions (Below 1GHz)	±5.14dB (3m); ±4.90dB (10m)
Radiated Emissions (Above 1GHz)	±4.88 dB (1GHz-6 GHz); ±5.06 dB (6GHz-18GHz); ±5.30dB(18GHz-40GHz)
Radiated Emissions which fall in the restricted bands	±5.14dB (30MHz-1GHz; 3m);±4.90dB (30MHz-1GHz; 10m);± 4.88dB (1GHz-6GHz);± 5.06dB (6GHz-18GHz);± 5.30dB (18GHz-40GHz)
Duty Cycle	± 0.029%
99% Bandwidth	± 0.274%
26dB Emission bandwidth	± 0.274%
Minimum 6 dB bandwidth (5.725-5.85 GHz band)	± 0.274%
Peak Power spectrum density	± 2.84dB
Frequency Stability	± 7.25 x 10 ⁻⁸

Remark:

The U_{lab} (lab Uncertainty) is less than U_{cispr} (CISPR Uncertainty) or U_{ETSI} (ETSI Uncertainty).

Emission decision rule:

- Compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit, marked as Pass in the report.
- Non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit, marked as Fail in the report.



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4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou Branch EMC Laboratory,
No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou,
Guangdong, China 510663

Tel: +86 20 82155555

No tests were sub-contracted.

4.5 Test Facility

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

- **ACMA**

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

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

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

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

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

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

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

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

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

- **CBTL (Lab Code: TL129)**

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

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



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5 Equipment List

Conducted Emissions at AC Power Line (150kHz-30MHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Coaxial Cable	HangTianXing	2m	EMC0107	2023-08-24	2025-08-23
Shielding Room	ChangZhou ZhongYu	8m x 3m x 3.8m	EMC0306	2022-10-16	2025-10-15
Two-Line V-Network-GZ	Rohde & Schwarz	ENV216	EMC2135	2024-09-02	2025-09-01
EMI Test Receiver (9kHz-3.6GHz)	Rohde & Schwarz	ESR3	EMC2221	2024-05-13	2025-05-12
Test Software E3r	Audix	Ver.6.191211	GZE100-77	N/A	N/A

Maximum Conducted output power					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
MI CABLE	SGS-EMC	0.8M	EMC2136	2023-11-02	2025-11-01
EXA Signal Analyzer	Agilent Technologies	N9010A	EMC2222	2024-06-17	2025-06-16
4X4 Power sensor Unit	TST	TSPS2023R	EMC2257	2024-08-19	2025-08-18
Test Software	TST	V2.0	GZE100-82	N/A	N/A

Radiated Emissions (Below 1GHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
966 Anechoic Chamber	Shenzhen C.R.T	CRTSGSSAC966	EMC2230	2022-04-12	2025-04-11
EMI Test Receiver(1Hz-8GHz)	Rohde & Schwarz	ESW8	EMC2229	2024-02-19	2025-02-18
Amplifier(9k-1000MHz)	SONOMA	310	EMC2237	2024-03-22	2025-03-21
Trilog Broadband Antenna (25MHz-2GHz)	Schwarzbeck Mess-Elektronik	VULB 9168	EMC2238	2022-04-20	2025-04-19
Coaxial Cable	Mirco-COAX UTIFLEX ve	LA2-C125-8000	EMC2239	2023-06-14	2025-06-13
Test Software E3	Audix	Ver.6.191211	GZE100-81	N/A	N/A
Active Loop Antenna-RED	ETS-Lindgren	6502	EMC2190	2024-04-08	2026-04-07



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Radiated Emissions (Above 1GHz)

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
1GHz-26.5 GHz Pre-Amplifier	Agilent	8449B	EMC0521	2024-10-14	2025-10-13
EMI Test Receiver (10Hz-26.5GHz)	Rohde & Schwarz	ESIB26	EMC0522	2024-09-02	2025-09-01
Chamber cable (Above 1GHz)	Scoflex	KMKM-8.0m	EMC0545	2024-08-19	2026-08-18
Horn Antenna (1GHz-18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120D	EMC2026	2022-09-23	2025-09-22
Horn Antenna (14-40GHz)	SCHWARZBECK	BBHA 9170	EMC2041	2023-06-18	2026-06-17
EXA Signal Analyzer (10Hz-44GHz)	Keysight	N9010A	EMC2138	2024-08-19	2025-08-18
966 Anechoic Chamber	C.R.T	9m x 6m x 6m	EMC2142	2023-12-20	2026-12-19
Notch Filter (5150-5880)	Mico-Tronics	BRM50716	EMC2168	2024-07-17	2025-07-16
Microwave Broadband Preamplifier (18-40GHz)	SCHWARZBECK	BBV 9721	EMC2172	2024-08-19	2025-08-18
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A

Radiated Emissions which fall in the restricted bands

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
1GHz-26.5 GHz Pre-Amplifier	Agilent	8449B	EMC0521	2024-10-14	2025-10-13
EMI Test Receiver (10Hz-26.5GHz)	Rohde & Schwarz	ESIB26	EMC0522	2024-09-02	2025-09-01
Chamber cable (Above 1GHz)	Scoflex	KMKM-8.0m	EMC0545	2024-08-19	2026-08-18
Horn Antenna (1GHz-18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120D	EMC2026	2022-09-23	2025-09-22
Horn Antenna (14-40GHz)	SCHWARZBECK	BBHA 9170	EMC2041	2023-06-18	2026-06-17
EXA Signal Analyzer (10Hz-44GHz)	Keysight	N9010A	EMC2138	2024-08-19	2025-08-18
966 Anechoic Chamber	C.R.T	9m x 6m x 6m	EMC2142	2023-12-20	2026-12-19
Microwave Broadband Preamplifier (18-40GHz)	SCHWARZBECK	BBV 9721	EMC2172	2024-08-19	2025-08-18
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A



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RF Conducted Test

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
MI CABLE	SGS-EMC	0.8M	EMC2136	2023-11-02	2025-11-01
EXA Signal Analyzer	Agilent Technologies	N9010A	EMC2222	2024-06-17	2025-06-16
4X4 Power sensor Unit	TST	TSPS2023R	EMC2257	2024-08-19	2025-08-18
Test Software	TST	V2.0	GZE100-82	N/A	N/A
Temperature Chamber	GZ GongWen Co.Ltd.	GDJW-100	EMC0039	2024-06-17	2025-06-16
ESG Vector Signal Generator (250kHz-6GHz)	Keysight	E4438C	SEM006-03	2024-02-20	2025-02-19

General used equipment

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DMM	Fluke	73	EMC0006	2024-06-13	2025-06-12



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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

Standard 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 an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit permanently attached antenna or of an so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the Antenna 1, 2, 3 & 4: 3.73 dBi. The directional gain is: 9.75 dBi.

$$\text{Directional gain} = G_{\text{ANT}} + 10 \log (N_{\text{ANT}}) \text{ dBi}$$

Antenna location:

Refer to internal photo.



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6.2 Transmission in the Absence of Data

6.2.1 Test Requirement:

47 CFR Part 15, Subpart E 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 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 & Subpart E 15.407 b(9)

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

Limit:

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

*Decreases with the logarithm of the frequency.

7.1.1 E.U.T. Operation

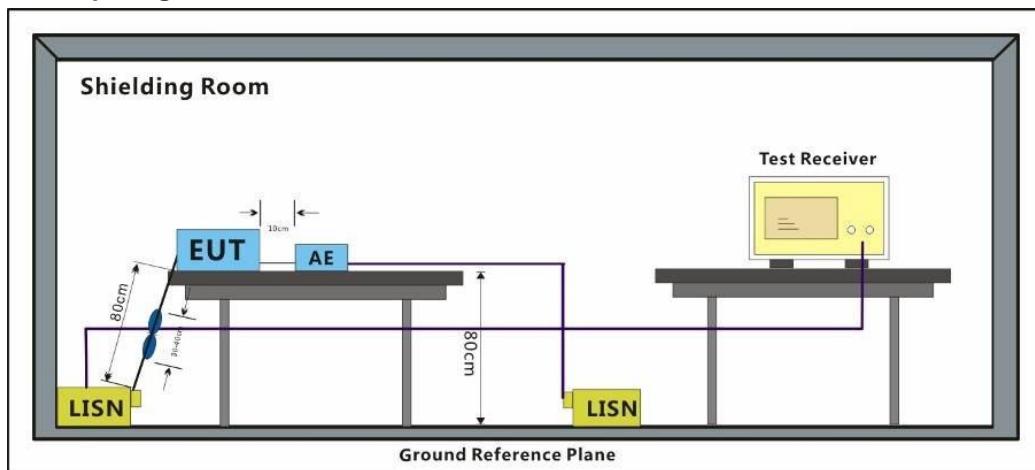
Operating Environment:

Temperature: 25.0 °C Humidity: 52.3 % RH Atmospheric Pressure: 1013 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	06	Operation(5G Wi-Fi):Keep the EUT communication with the companion device via 5G Wi-Fi(Powered by DC source).
Final test	08	Operation(5G Wi-Fi):Keep the EUT communication with the companion device via 5G Wi-Fi(Powered by ac adapter: model:HKA06012050).
Final test	10	Operation(5G Wi-Fi):Keep the EUT communication with the companion device via 5G Wi-Fi(Powered by PoE adapter: model:P030U05).

7.1.3 Test Setup Diagram



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中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 sgs.china@sgs.com

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.

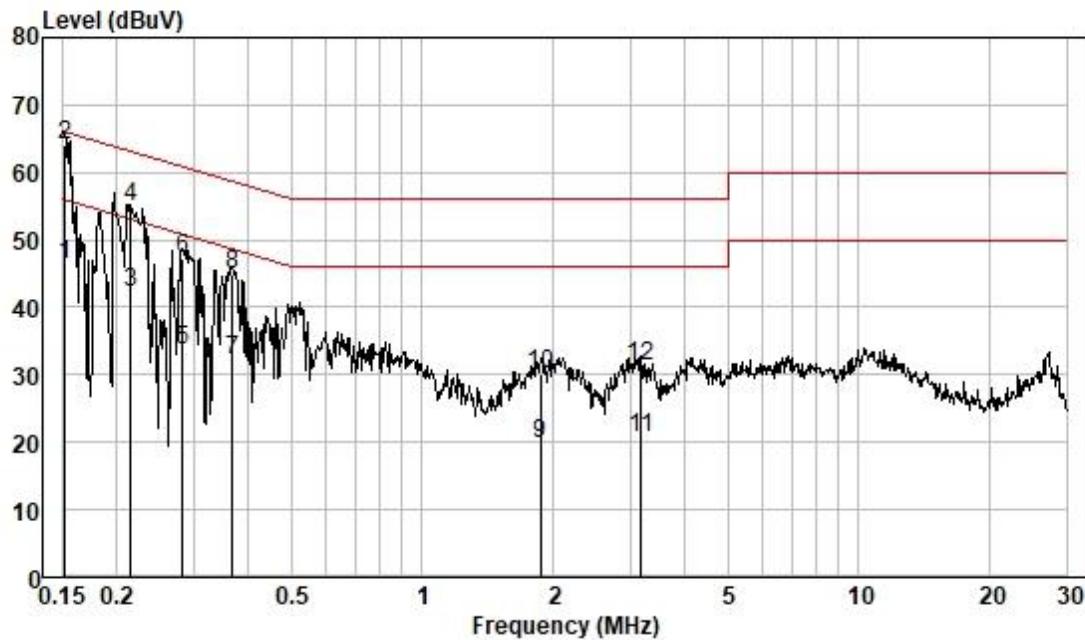
Remark: Level=Read Level+ Cable Loss+ LISN Factor



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Test Mode: 06; Line: Live line



Pol :LINE

Mode :

Model :

Power :

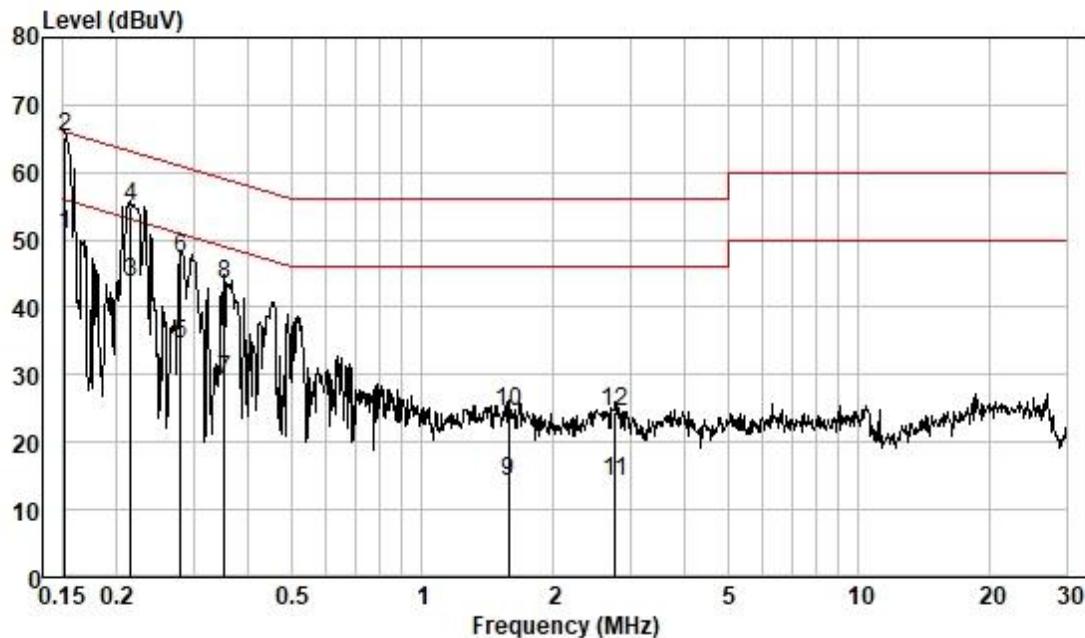
	Frequenc	Read Level	Cable Loss	LISN Factor	Measured Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.152	36.68	0.04	9.57	46.29	55.91	-9.62	Average
2	0.152	54.47	0.04	9.57	64.08	65.91	-1.83	QP
3	0.215	32.55	0.04	9.57	42.16	53.01	-10.85	Average
4	0.215	45.42	0.04	9.57	55.03	63.01	-7.98	QP
5	0.282	24.19	0.04	9.56	33.79	50.76	-16.97	Average
6	0.282	37.75	0.04	9.56	47.35	60.76	-13.41	QP
7	0.367	22.67	0.05	9.57	32.29	48.56	-16.27	Average
8	0.367	35.25	0.05	9.57	44.87	58.56	-13.69	QP
9	1.868	9.91	0.12	9.61	19.64	46.00	-26.36	Average
10	1.868	20.51	0.12	9.61	30.24	56.00	-25.76	QP
11	3.173	11.06	0.16	9.57	20.79	46.00	-25.21	Average
12	3.173	21.66	0.16	9.57	31.39	56.00	-24.61	QP



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Test Mode: 06; Line: Neutral Line



Pol : NEUTRAL

Mode :

Model :

Power :

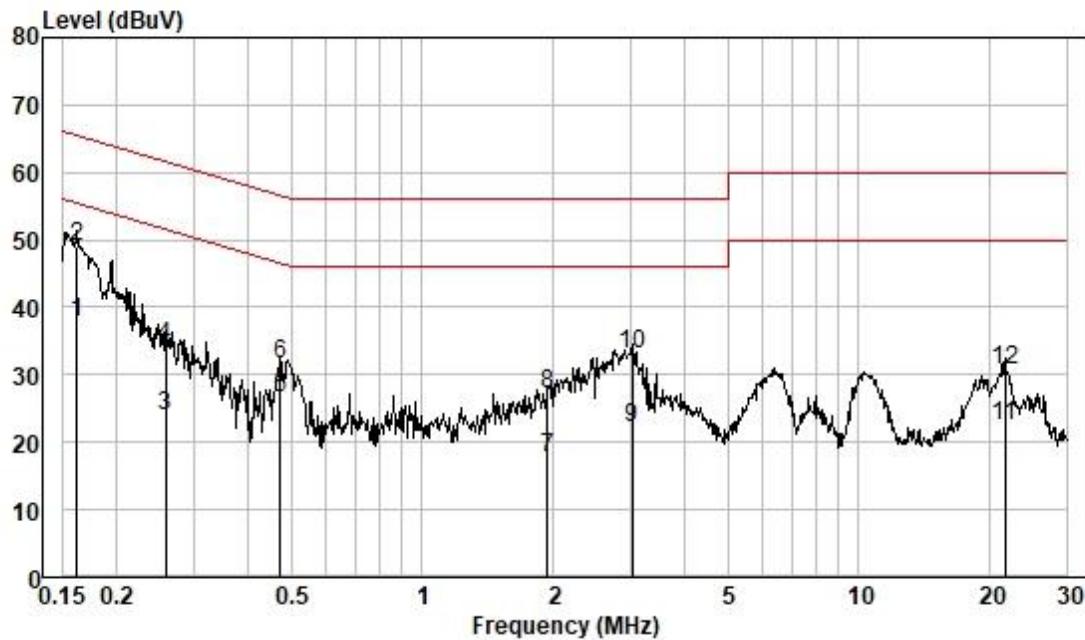
	Frequenc	Read Level	Cable Loss	LISN Factor	Measured Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.152	41.29	0.04	9.51	50.84	55.91	-5.07	Average
2	0.152	55.77	0.04	9.51	65.32	65.91	-0.59	QP
3	0.215	34.14	0.04	9.54	43.72	53.01	-9.29	Average
4	0.215	45.19	0.04	9.54	54.77	63.01	-8.24	QP
5	0.279	24.86	0.04	9.54	34.44	50.85	-16.41	Average
6	0.279	37.65	0.04	9.54	47.23	60.85	-13.62	QP
7	0.352	19.54	0.05	9.51	29.10	48.91	-19.81	Average
8	0.352	33.89	0.05	9.51	43.45	58.91	-15.46	QP
9	1.577	4.65	0.11	9.53	14.29	46.00	-31.71	Average
10	1.577	14.88	0.11	9.53	24.52	56.00	-31.48	QP
11	2.765	4.34	0.15	9.57	14.06	46.00	-31.94	Average
12	2.765	14.83	0.15	9.57	24.55	56.00	-31.45	QP



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Test Mode: 08; Line: Live line



Pol :LINE

Mode :

Model :

Power :

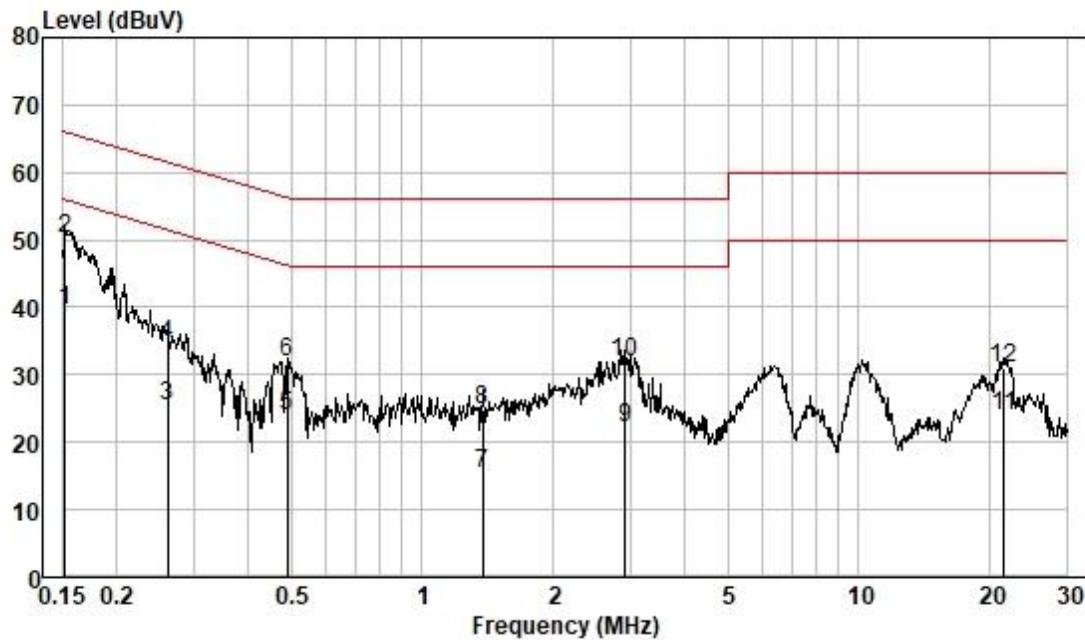
	Frequenc	Read Level	Cable Loss	LISN Factor	Measured Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.162	28.16	0.04	9.55	37.75	55.38	-17.63	Average
2	0.162	39.36	0.04	9.55	48.95	65.38	-16.43	QP
3	0.259	14.36	0.04	9.59	23.99	51.47	-27.48	Average
4	0.259	24.66	0.04	9.59	34.29	61.47	-27.18	QP
5	0.474	17.08	0.05	9.58	26.71	46.45	-19.74	Average
6	0.474	21.96	0.05	9.58	31.59	56.45	-24.86	QP
7	1.939	7.92	0.12	9.61	17.65	46.00	-28.35	Average
8	1.939	17.37	0.12	9.61	27.10	56.00	-28.90	QP
9	3.025	12.47	0.16	9.55	22.18	46.00	-23.82	Average
10	3.025	23.24	0.16	9.55	32.95	56.00	-23.05	QP
11	21.600	12.29	0.40	9.83	22.52	50.00	-27.48	Average
12	21.600	20.50	0.40	9.83	30.73	60.00	-29.27	QP



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Test Mode: 08; Line: Neutral Line



Pol : NEUTRAL

Mode :

Model :

Power :

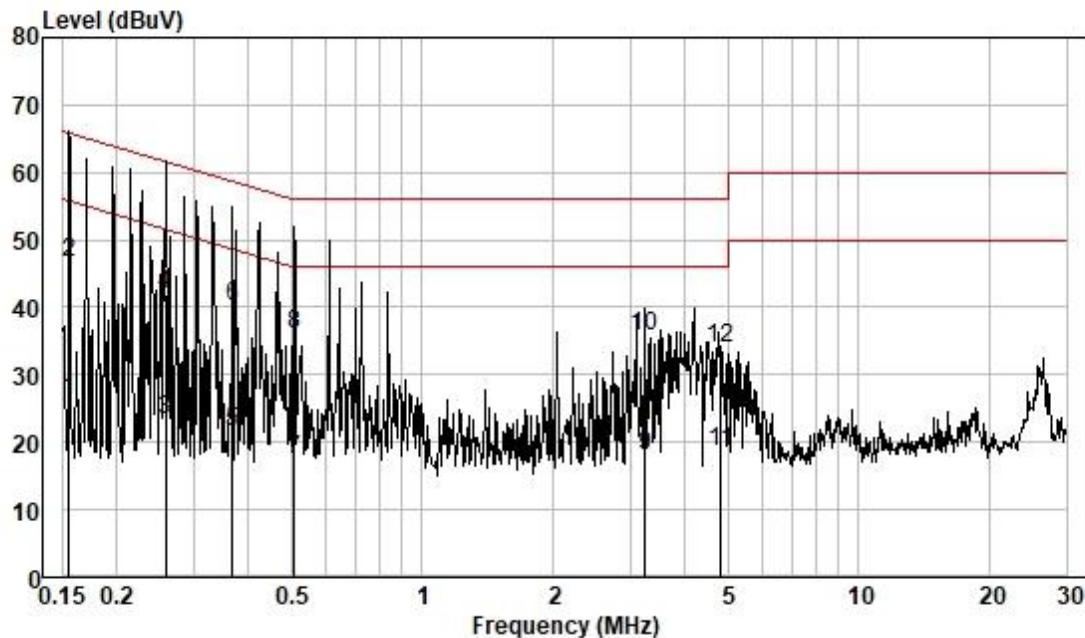
	Frequenc	Read Level	Cable Loss	LISN Factor	Measured Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.152	29.96	0.04	9.51	39.51	55.91	-16.40	Average
2	0.152	40.71	0.04	9.51	50.26	65.91	-15.65	QP
3	0.262	15.88	0.04	9.53	25.45	51.38	-25.93	Average
4	0.262	24.92	0.04	9.53	34.49	61.38	-26.89	QP
5	0.491	14.35	0.05	9.58	23.98	46.14	-22.16	Average
6	0.491	22.35	0.05	9.58	31.98	56.14	-24.16	QP
7	1.374	5.76	0.10	9.54	15.40	46.00	-30.60	Average
8	1.374	15.24	0.10	9.54	24.88	56.00	-31.12	QP
9	2.915	12.37	0.15	9.56	22.08	46.00	-23.92	Average
10	2.915	22.04	0.15	9.56	31.75	56.00	-24.25	QP
11	21.486	13.66	0.40	9.92	23.98	50.00	-26.02	Average
12	21.486	20.73	0.40	9.92	31.05	60.00	-28.95	QP



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Test Mode: 10; Line: Live line



Pol :LINE

Mode :

Model :

Power :

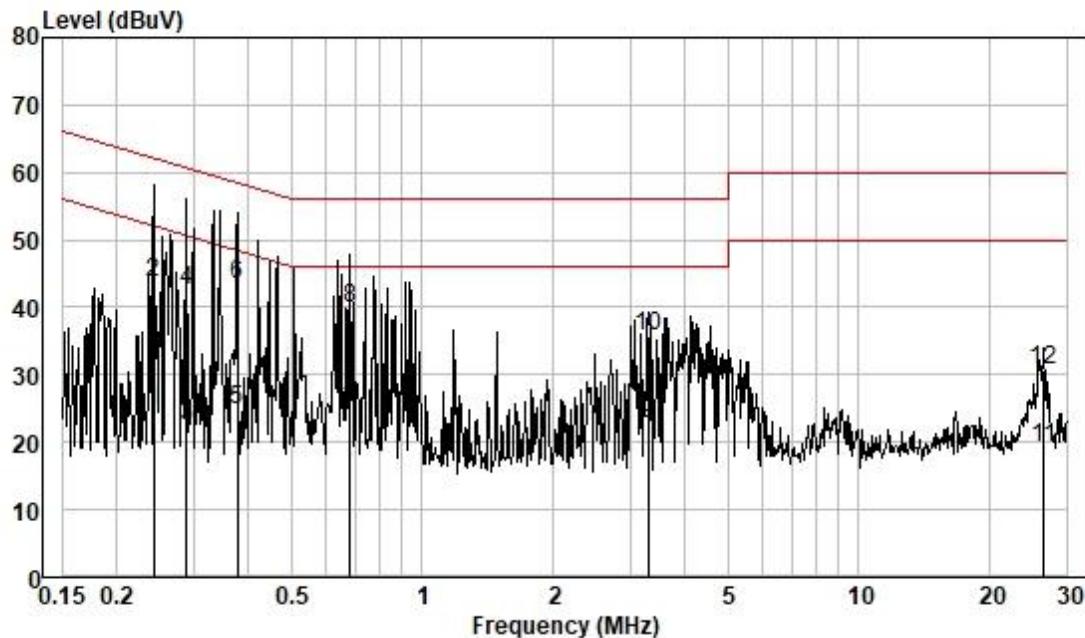
	Frequenc	Read	Cable	LISN	Measured	Limit	Over	Remark
	MHz	Level	Loss	Factor	Level	Line	Limit	dB
		dBuV	dB	dB	dBuV	dBuV		
1	0.155	16.77	0.04	9.56	26.37	55.74	-29.37	Average
2	0.155	37.18	0.04	9.56	46.78	65.74	-18.96	QP
3	0.259	13.56	0.04	9.59	23.19	51.47	-28.28	Average
4	0.259	32.32	0.04	9.59	41.95	61.47	-19.52	QP
5	0.367	12.02	0.05	9.57	21.64	48.56	-26.92	Average
6	0.367	30.48	0.05	9.57	40.10	58.56	-18.46	QP
7	0.510	7.84	0.05	9.58	17.47	46.00	-28.53	Average
8	0.510	26.25	0.05	9.58	35.88	56.00	-20.12	QP
9	3.241	8.38	0.16	9.57	18.11	46.00	-27.89	Average
10	3.241	26.06	0.16	9.57	35.79	56.00	-20.21	QP
11	4.822	8.79	0.19	9.61	18.59	46.00	-27.41	Average
12	4.822	24.20	0.19	9.61	34.00	56.00	-22.00	QP



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Test Mode: 10; Line: Neutral Line



Pol : NEUTRAL

Mode :

Model :

Power :

	Frequenc	Read Level	Cable Loss	LISN Factor	Measured Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
1	0.243	15.28	0.04	9.53	24.85	52.00	-27.15	Average
2	0.243	34.18	0.04	9.53	43.75	62.00	-18.25	QP
3	0.288	12.84	0.04	9.54	22.42	50.59	-28.17	Average
4	0.288	32.95	0.04	9.54	42.53	60.59	-18.06	QP
5	0.377	15.09	0.05	9.53	24.67	48.34	-23.67	Average
6	0.377	33.74	0.05	9.53	43.32	58.34	-15.02	QP
7	0.683	14.78	0.06	9.54	24.38	46.00	-21.62	Average
8	0.683	30.27	0.06	9.54	39.87	56.00	-16.13	QP
9	3.293	12.95	0.16	9.57	22.68	46.00	-23.32	Average
10	3.293	25.98	0.16	9.57	35.71	56.00	-20.29	QP
11	26.558	8.67	0.44	10.01	19.12	50.00	-30.88	Average
12	26.558	20.32	0.44	10.01	30.77	60.00	-29.23	QP



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7.2 Maximum Conducted output power

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

Test Method: KDB 789033 D02 II E

Limit:

Frequency band(MHz)	Limit
5150-5250	$\leq 1W(30dBm)$ for master device
	$\leq 250mW(24dBm)$ for client device
5250-5350	$\leq 250mW(24dBm)$ or $11dBm+10\log B^*$
5470-5725	$\leq 250mW(24dBm)$ or $11dBm+10\log B^*$
5725-5850	$\leq 1W(30dBm)$

Remark:

* Where B is the 26dB emission bandwidth in MHz.

The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.

7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 21.8 °C Humidity: 61.0 % RH Atmospheric Pressure: 1013 mbar

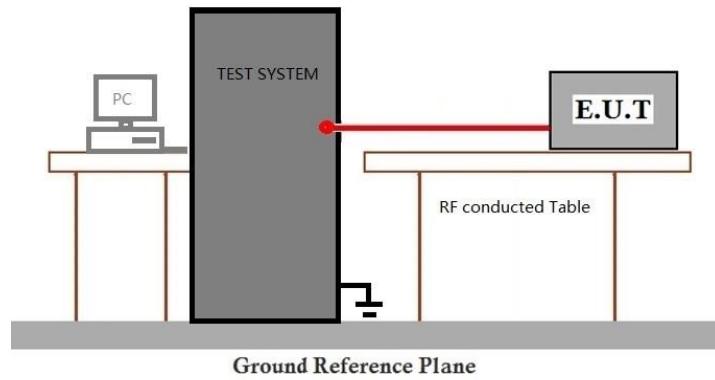
7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.



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7.2.3 Test Setup Diagram**7.2.4 Measurement Procedure and Data**

Please Refer to Appendix - Test Data and Result for report GZCR241000116202



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7.3 Radiated Emissions (Below 1GHz)

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

Test Method: KDB 789033 D02 II G

Limit:

Frequency (MHz)	Field strength(microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
960-1000	500	3

7.3.1 E.U.T. Operation

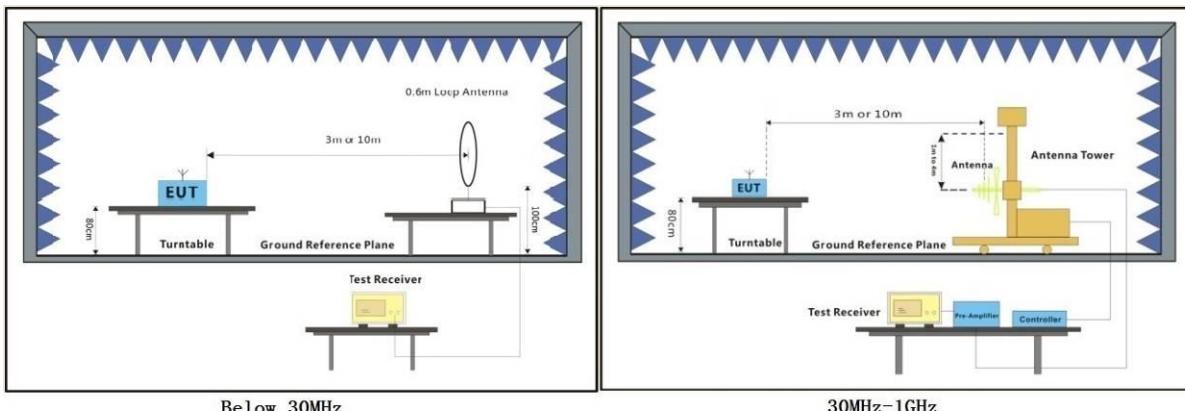
Operating Environment:

Temperature: 23.9 °C Humidity: 58.7 % RH Atmospheric Pressure: 1013 mbar

7.3.2 Test Mode Description

Pre-scan / Mode	Final test	Code	Description
	Final test	06	Operation(5G Wi-Fi):Keep the EUT communication with the companion device via 5G Wi-Fi(Powered by DC source).
	Final test	08	Operation(5G Wi-Fi):Keep the EUT communication with the companion device via 5G Wi-Fi(Powered by ac adapter: model:HKA06012050).
	Final test	10	Operation(5G Wi-Fi):Keep the EUT communication with the companion device via 5G Wi-Fi(Powered by PoE adapter: model:P030U05).

7.3.3 Test Setup Diagram



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7.3.4 Measurement Procedure and Data

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

Remark:

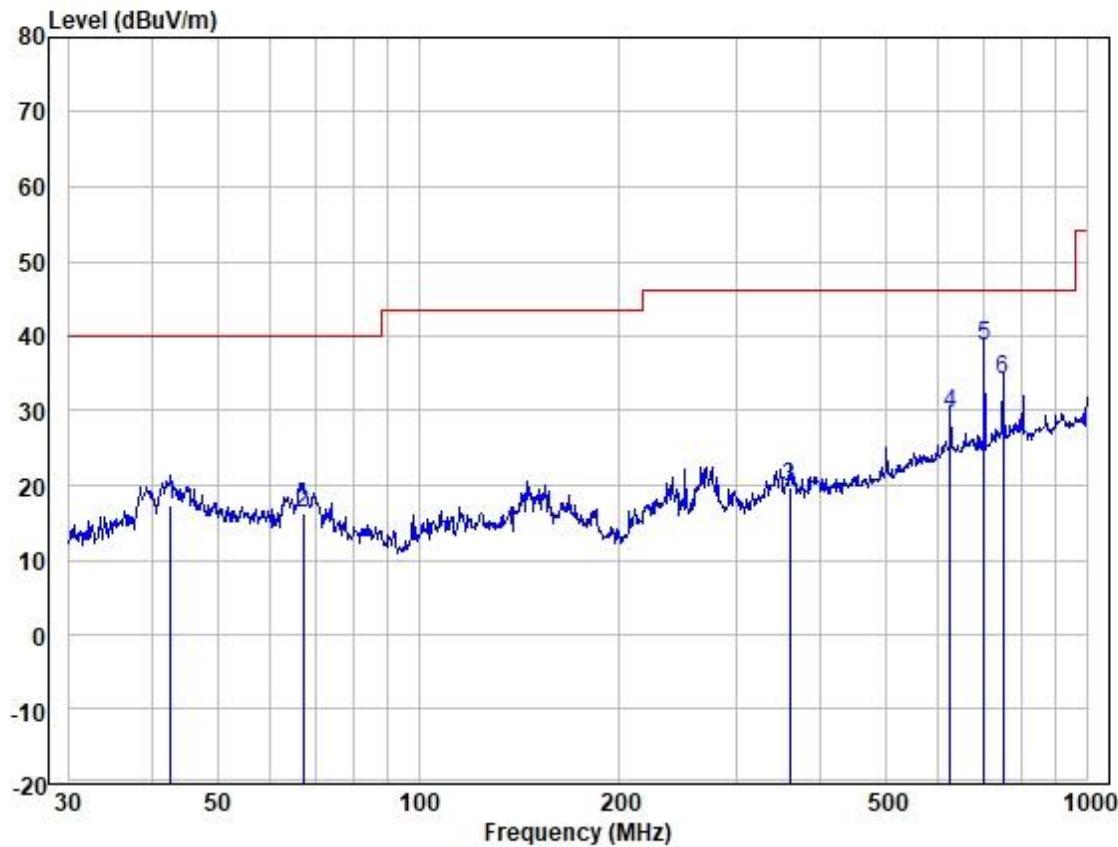
1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. For emission below 1GHz, through the pre-scan found the worst case is the lowest channel of 802.11a. Only the worst case is recorded in the report.
3. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked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



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Test Mode: 06; Polarity: Horizontal



Site : 966 Chamber
 Job :
 Model :
 Power :
 Test Mode : GP304C-120-200

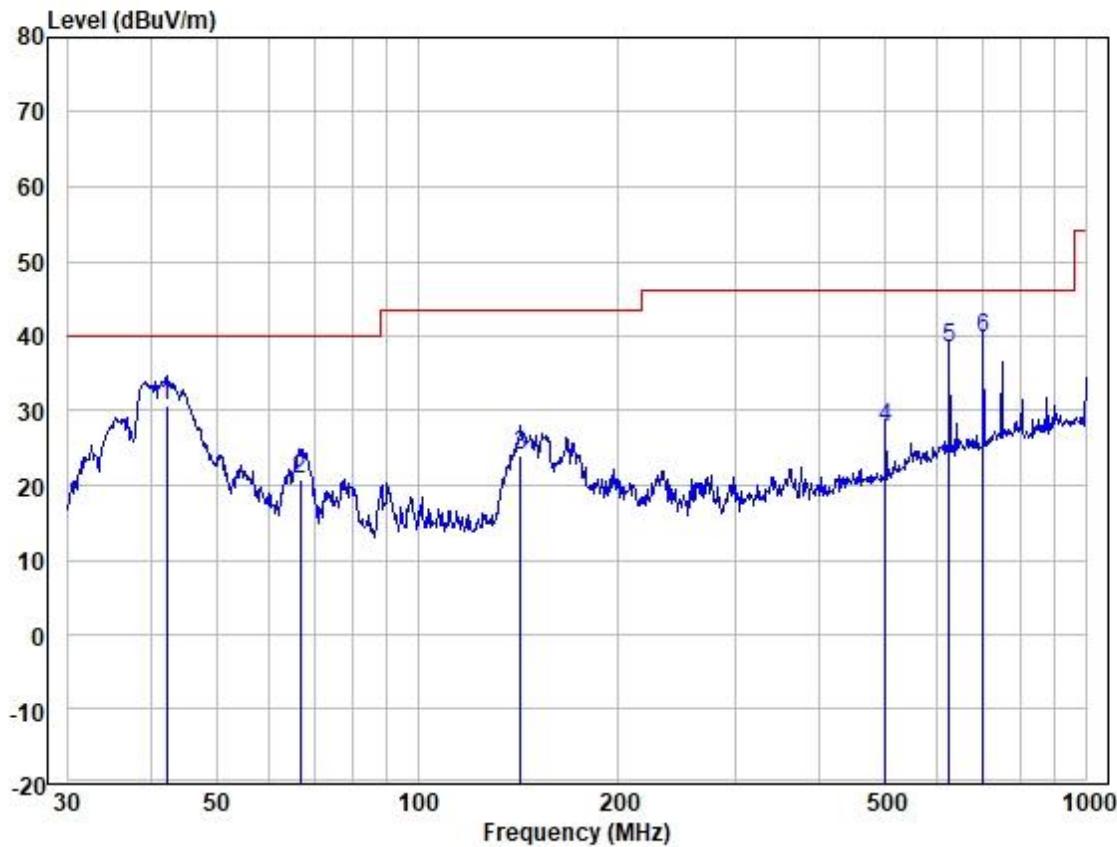
Freq	Read	Antena	Cable	Preamp	Measured	Limit	Over	Pol/	Remark
	Level	Factor	Loss	Factor	Level	Line	Limit	Phase	
1 42.600	30.48	19.31	0.36	32.87	17.28	40.00	-22.72	HORIZONTAL	QP
2 67.202	31.08	17.68	0.45	32.86	16.35	40.00	-23.65	HORIZONTAL	QP
3 359.186	31.06	20.41	1.10	32.90	19.67	46.00	-26.33	HORIZONTAL	QP
4 625.078	34.75	26.20	1.45	32.84	29.56	46.00	-16.44	HORIZONTAL	QP
5 701.761	42.89	26.90	1.54	32.53	38.80	46.00	-7.20	HORIZONTAL	QP
6 750.108	36.74	28.23	1.60	32.47	34.10	46.00	-11.90	HORIZONTAL	QP

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Test Mode: 06; Polarity: Vertical



Site : 966 Chamber
 Job :
 Model :
 Power :
 Test Mode : GP304C-120-200

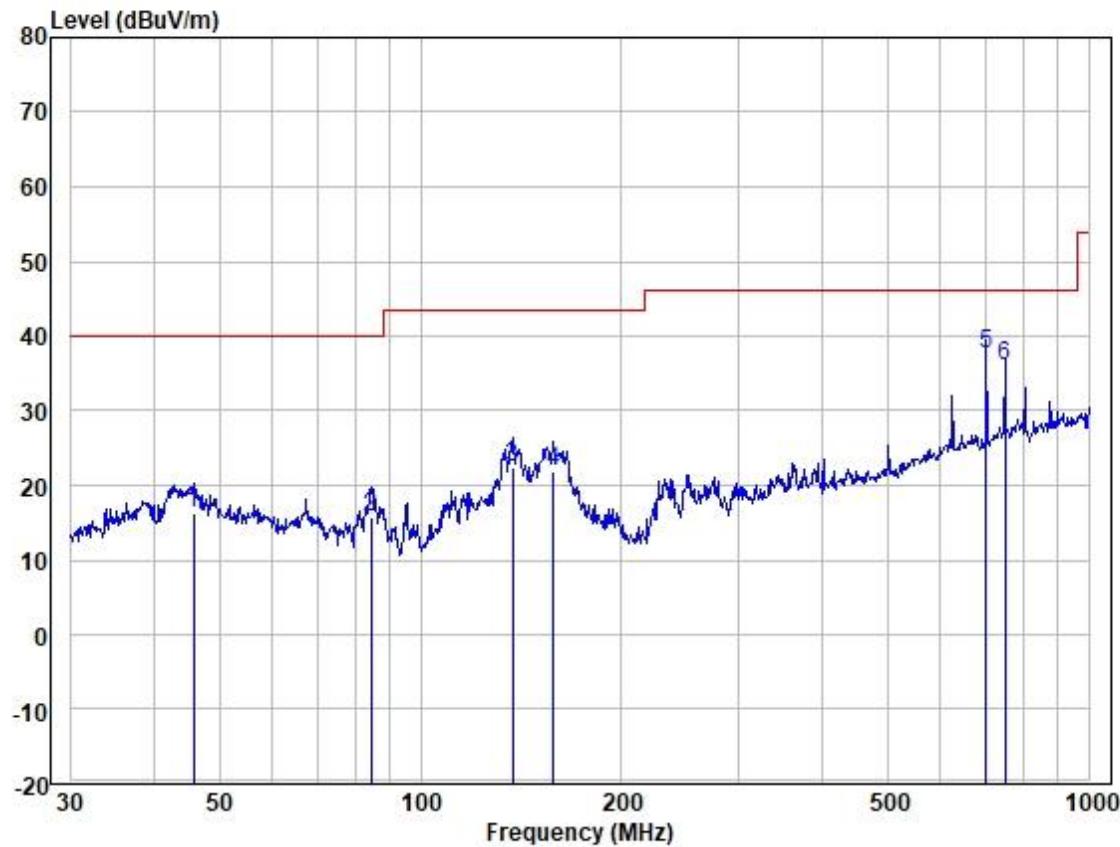
Freq	Read	Antenna	Cable	Preamp	Measured	Limit	Over	Pol/	Remark
	Level	Factor	Loss	Factor	Level	Line	Limit	Phase	
1	42.154	43.80	19.31	0.36	32.87	30.60	40.00	-9.40	VERTICAL QP
2	66.733	35.59	17.68	0.45	32.86	20.86	40.00	-19.14	VERTICAL QP
3	142.824	37.54	18.74	0.65	32.81	24.12	43.50	-19.38	VERTICAL QP
4	501.179	35.79	23.58	1.29	32.99	27.67	46.00	-18.33	VERTICAL QP
5	625.078	43.59	26.20	1.45	32.84	38.40	46.00	-7.60	VERTICAL QP
6	701.761	43.88	26.90	1.54	32.53	39.79	46.00	-6.21	VERTICAL QP



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Test Mode: 08; Polarity: Horizontal



Site : 966 Chamber
Job :
Model :
Power :
Test Mode : HKA06012050-7F

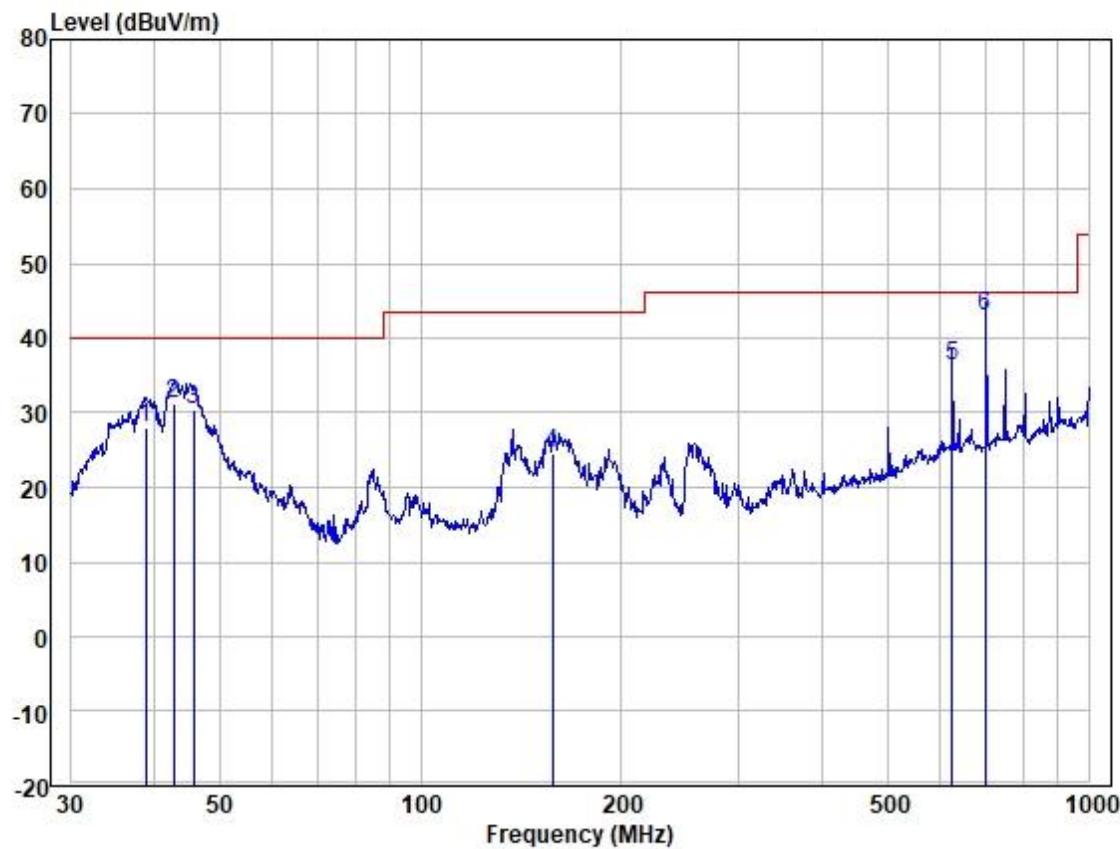
Freq	Read	Antena	Cable	Preamp	Measured	Limit	Over	Pol/	Remark
	Level	Factor	Loss	Factor	Level	Line	Limit	Phase	
1 45.855	29.17	19.47	0.37	32.87	16.14	40.00	-23.86	HORIZONTAL	QP
2 84.405	33.57	14.42	0.51	32.82	15.68	40.00	-24.32	HORIZONTAL	QP
3 137.420	35.97	18.55	0.64	32.81	22.35	43.52	-21.17	HORIZONTAL	QP
4 158.112	34.72	19.19	0.70	32.83	21.78	43.52	-21.74	HORIZONTAL	QP
5 701.761	41.69	26.90	1.54	32.53	37.60	46.02	-8.42	HORIZONTAL	QP
6 750.108	38.57	28.23	1.60	32.47	35.93	46.02	-10.09	HORIZONTAL	QP



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Test Mode: 08; Polarity: Vertical



Site : 966 Chamber
Job :
Model :
Power :
Test Mode : HKA06012050-7F

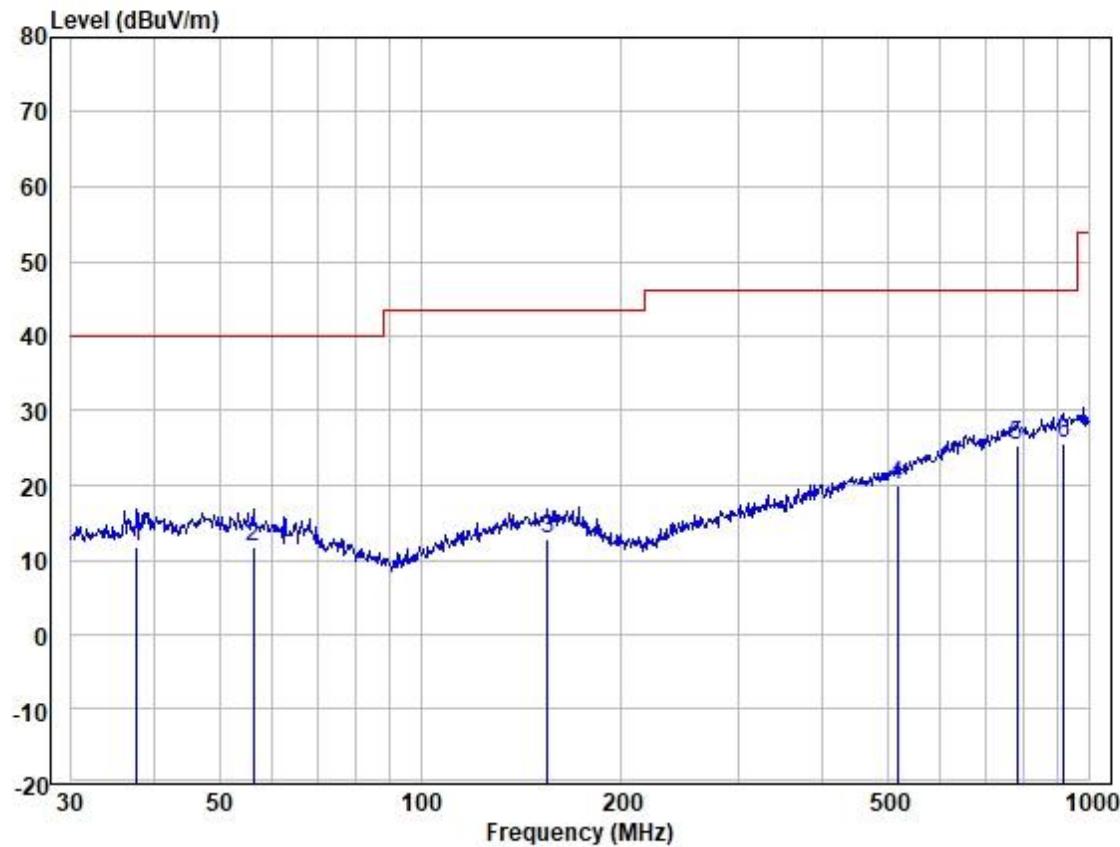
Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Measured Level	Limit Line	Over Limit	Pol/Phase	Remark
1	38.888	41.60	18.93	0.35	32.86	28.02	40.00	-11.98	VERTICAL QP
2	42.750	44.40	19.31	0.36	32.87	31.20	40.00	-8.80	VERTICAL QP
3	45.855	43.35	19.47	0.37	32.87	30.32	40.00	-9.68	VERTICAL QP
4	157.559	37.57	19.19	0.70	32.83	24.63	43.52	-18.89	VERTICAL QP
5	625.078	41.54	26.20	1.45	32.84	36.35	46.02	-9.67	VERTICAL QP
6	700.000	47.10	26.87	1.54	32.53	42.98	46.02	-3.04	VERTICAL QP



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Test Mode: 10; Polarity: Horizontal



Site : 966 Chamber
Job :
Model :
Power :
Test Mode : P030U05

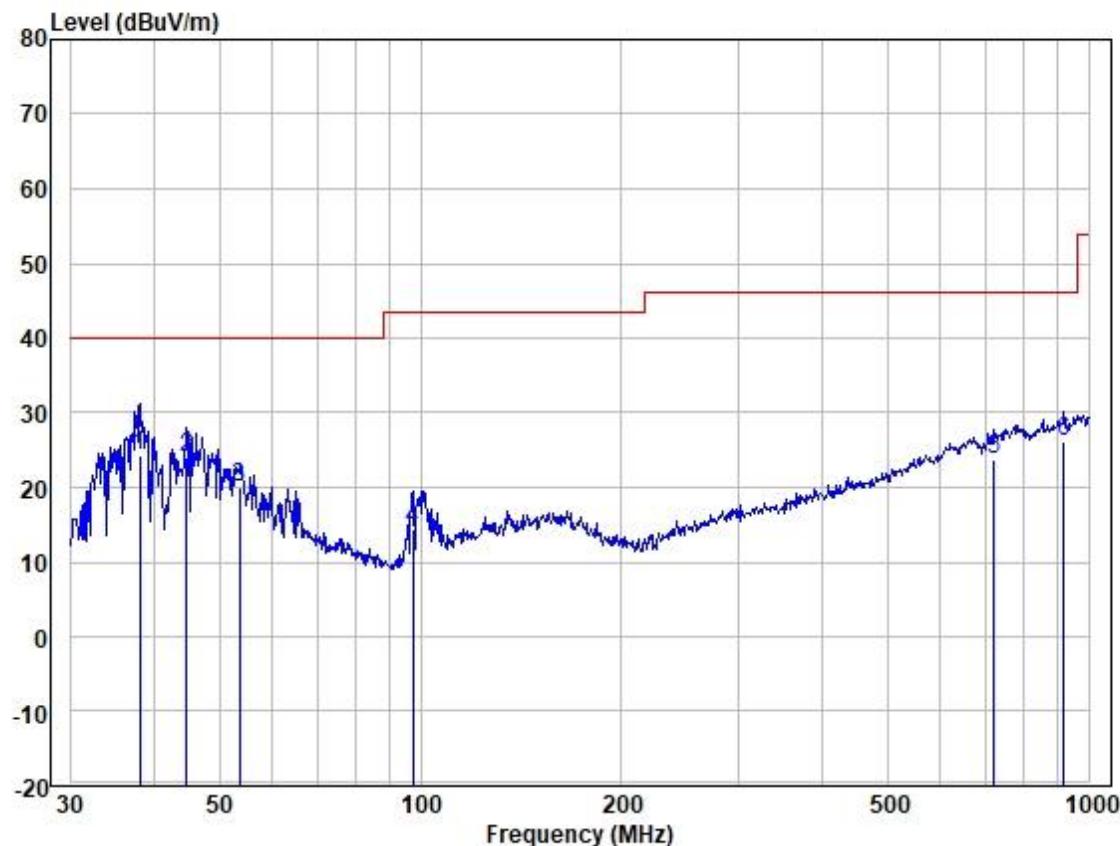
Freq	Read	Antena	Cable	Preamp	Measured	Limit	Over	Pol/	Remark
	Level	Factor	Loss	Factor	Level	Line	Limit	Phase	
1 37.680	25.47	18.73	0.34	32.86	11.68	40.00	-28.32	HORIZONTAL	QP
2 56.197	25.05	19.18	0.40	32.87	11.76	40.00	-28.24	HORIZONTAL	QP
3 154.821	25.83	19.16	0.69	32.82	12.86	43.52	-30.66	HORIZONTAL	QP
4 517.248	27.76	23.96	1.30	32.98	20.04	46.02	-25.98	HORIZONTAL	QP
5 779.607	27.75	28.40	1.65	32.44	25.36	46.02	-20.66	HORIZONTAL	QP
6 916.069	26.20	29.50	1.77	31.88	25.59	46.02	-20.43	HORIZONTAL	QP



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Test Mode: 10; Polarity: Vertical



Site : 966 Chamber
Job :
Model :
Power :
Test Mode : P030U05

Freq	Read	Antena	Cable	Preamp	Measured	Limit	Over	Pol/	Remark
	Level	Factor	Loss	Factor	Level	Line	Limit	Phase	
1 38.078	38.04	18.73	0.34	32.86	24.25	40.00	-15.75	VERTICAL	QP
2 44.743	36.97	19.45	0.37	32.87	23.92	40.00	-16.08	VERTICAL	QP
3 53.693	33.10	19.39	0.40	32.88	20.01	40.00	-19.99	VERTICAL	QP
4 97.456	32.53	14.27	0.53	32.80	14.53	43.52	-28.99	VERTICAL	QP
5 721.726	27.59	27.15	1.56	32.50	23.80	46.02	-22.22	VERTICAL	QP
6 916.069	26.81	29.50	1.77	31.88	26.20	46.02	-19.82	VERTICAL	QP



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7.4 Radiated Emissions (Above 1GHz)

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

Test Method: KDB 789033 D02 II G

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
Above 1GHz	500	3

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

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

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

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

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

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

7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 24.7 °C

Humidity: 50.6 % RH

Atmospheric Pressure: 1013 mbar



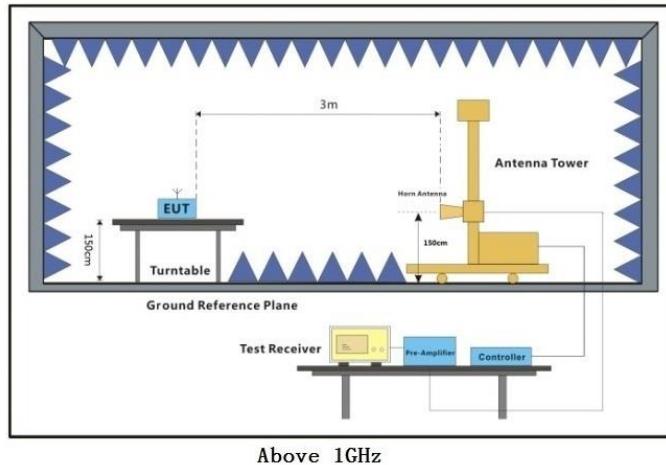
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7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.

7.4.3 Test Setup Diagram



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7.4.4 Measurement Procedure and Data

- a. 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.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using 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:

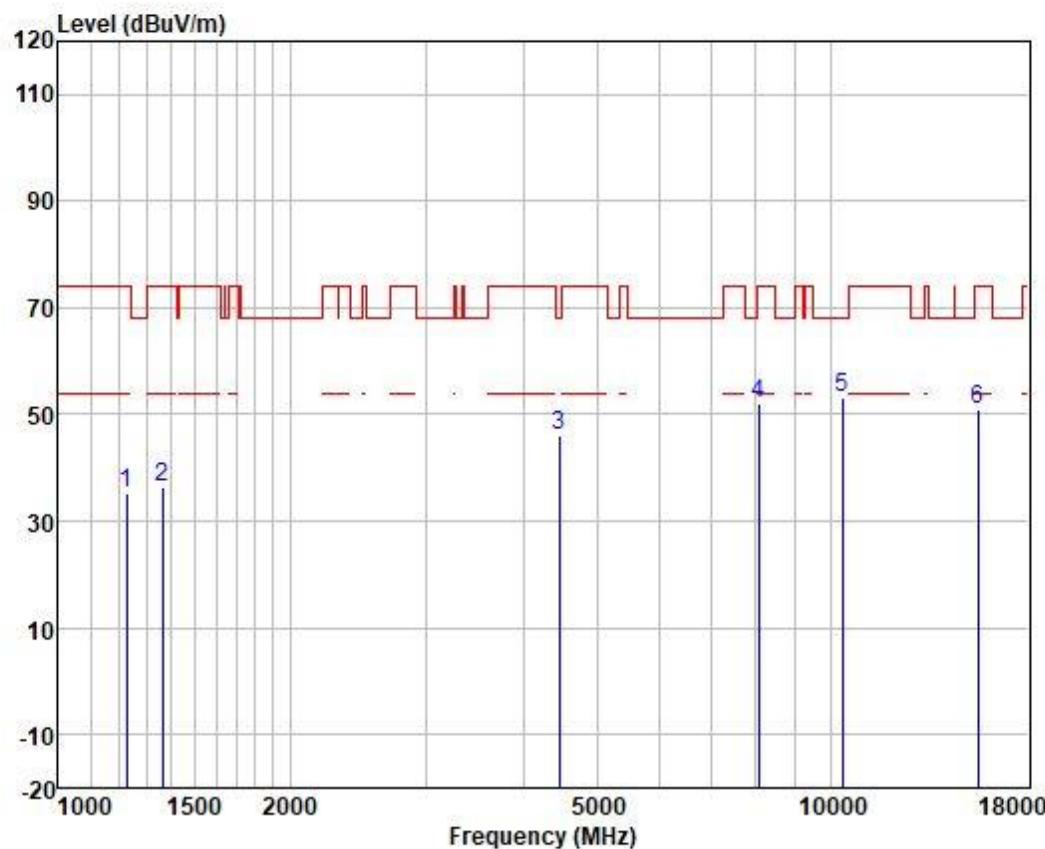
1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from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



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



Freq	Read	Antenna	Cable	Preamp	Limit		Over	Over Limit	Pol/Phase	Remark
	Level	Factor	Loss	Factor	Line	Line	dB			
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m			
1	1224.247	47.99	23.42	2.45	38.66	35.20	74.00	-38.80	VERTICAL	peak
2	1366.374	48.00	24.18	2.64	38.51	36.31	74.00	-37.69	VERTICAL	peak
3	4456.315	44.77	34.00	4.61	37.45	45.93	68.20	-22.27	VERTICAL	peak
4	8082.804	46.16	37.04	6.24	37.20	52.24	74.00	-21.76	VERTICAL	peak
5	10360.000	43.35	39.64	7.25	37.08	53.16	68.20	-15.04	VERTICAL	peak
6	15540.000	39.85	38.33	9.26	36.49	50.95	74.00	-23.05	VERTICAL	peak

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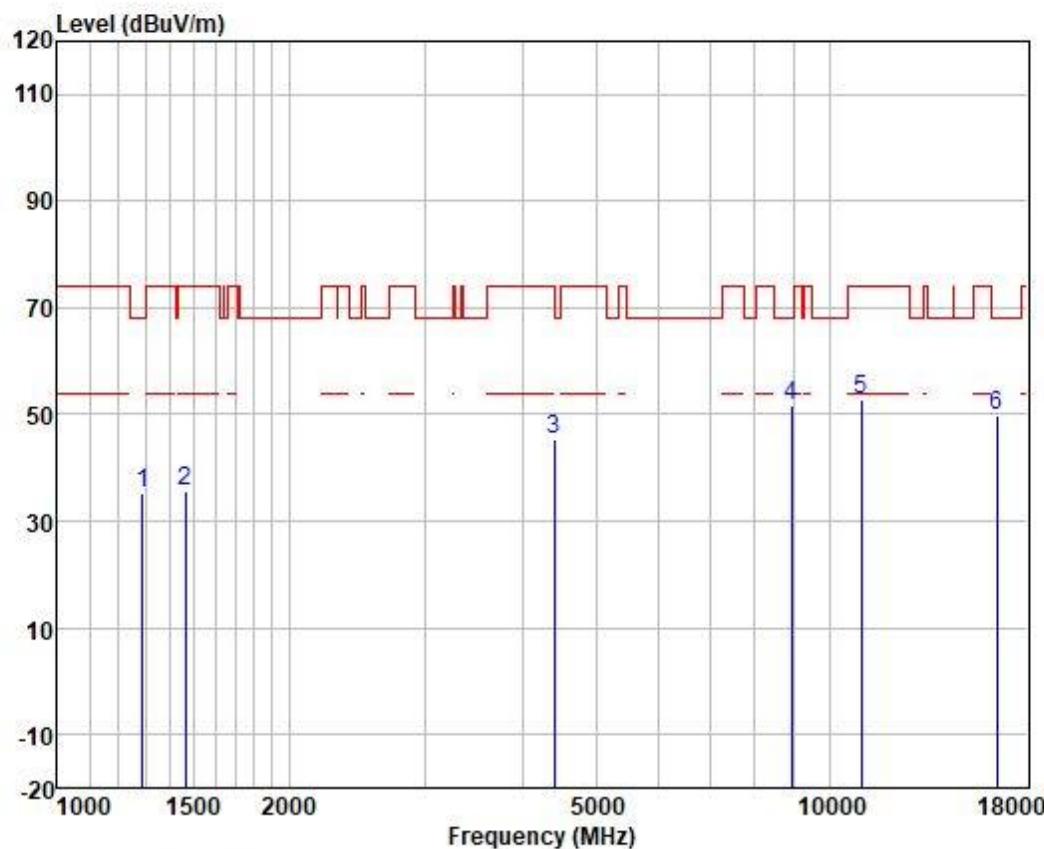
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Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



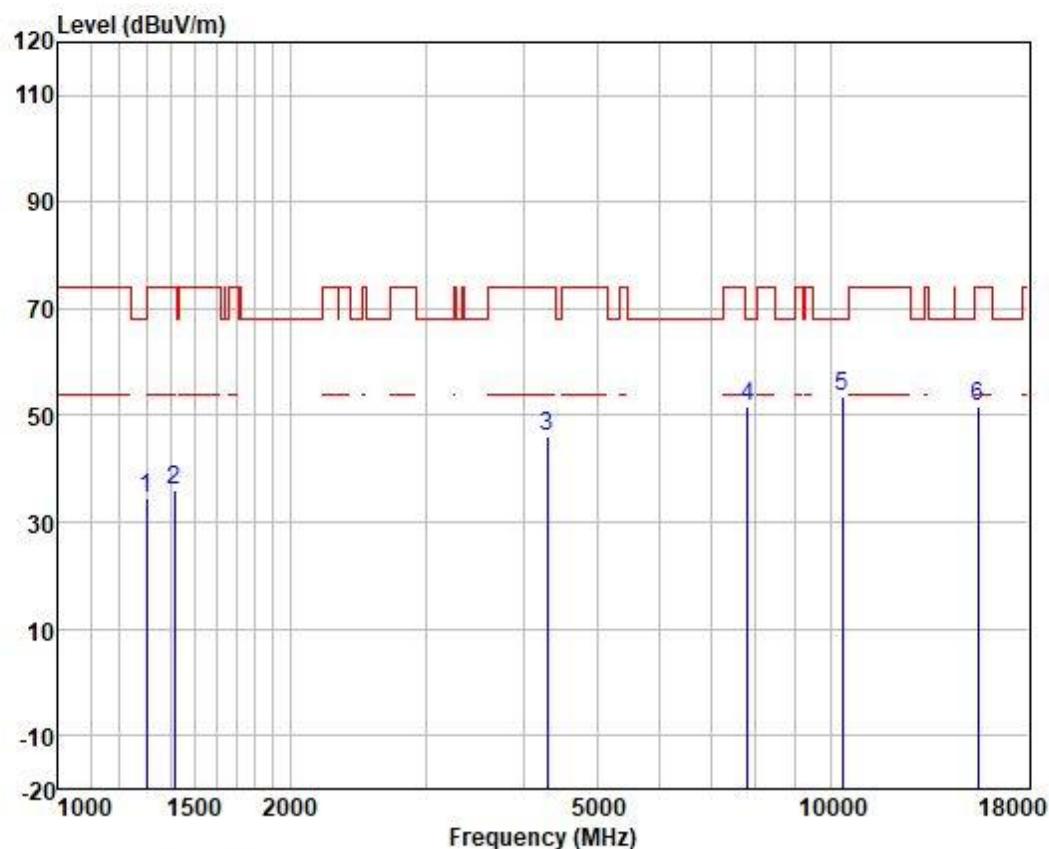
Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	MHz	Level	Antenna	Loss	Factor	Level				
	MHz	dBuV	dB/m		dB	dBuV/m	dBuV/m			
1	1289.627	47.35	23.92	2.58	38.60	35.25	68.20	-32.95	VERTICAL	peak
2	1464.522	47.07	24.38	2.69	38.39	35.75	74.00	-38.25	VERTICAL	peak
3	4405.090	44.57	33.74	4.61	37.46	45.46	68.20	-22.74	VERTICAL	peak
4	8943.274	44.76	37.50	6.56	37.16	51.66	68.20	-16.54	VERTICAL	peak
5	11000.000	41.70	40.42	7.52	37.00	52.64	74.00	-21.36	VERTICAL	peak
6	16500.000	38.16	38.70	9.34	36.45	49.75	68.20	-18.45	VERTICAL	peak

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



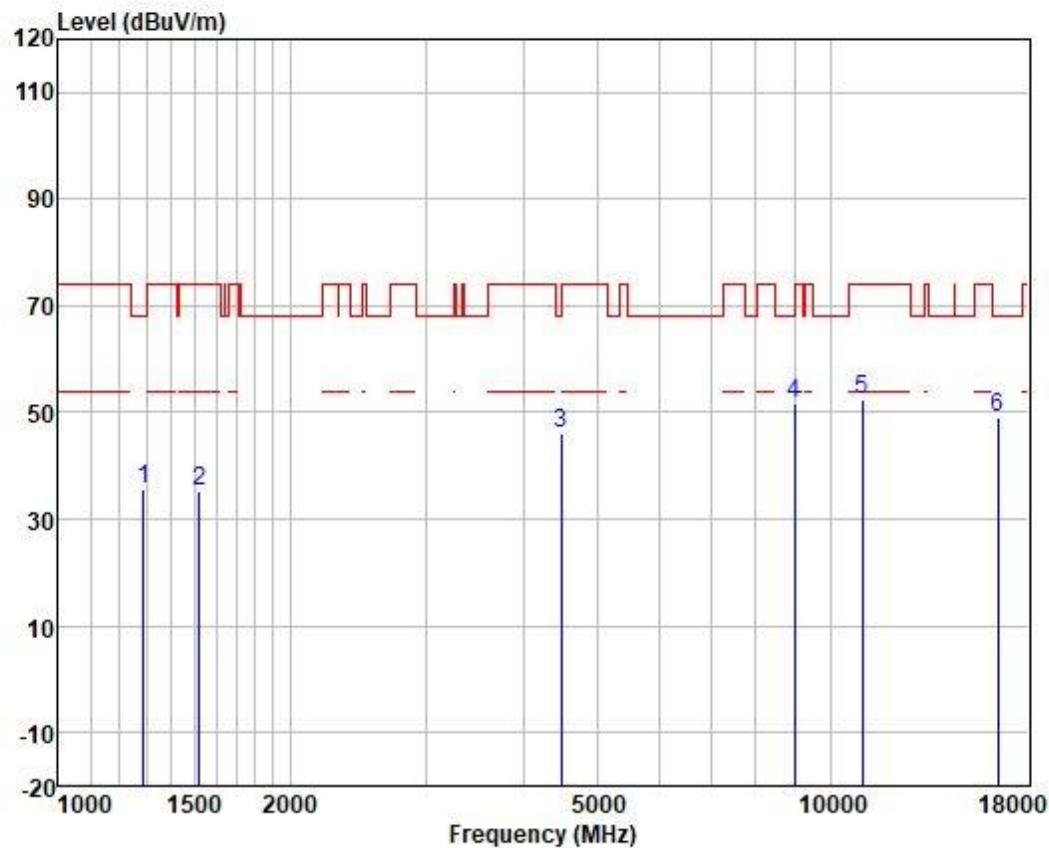
Freq	ReadAntenna		Cable		Preamp		Limit Line	Over Limit	Over Pol/Phase	Remark
	Level	Factor	Loss	Factor	Level	dBuV/m				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1 1300.858	46.57	23.97	2.59	38.58	34.55	74.00	-39.45	HORIZONTAL	peak	
2 1414.597	47.55	24.29	2.67	38.47	36.04	74.00	-37.96	HORIZONTAL	peak	
3 4304.400	45.80	33.05	4.58	37.47	45.96	74.00	-28.04	HORIZONTAL	peak	
4 7807.262	45.86	36.92	6.15	37.20	51.73	68.20	-16.47	HORIZONTAL	peak	
5 10360.000	43.86	39.64	7.25	37.08	53.67	68.20	-14.53	HORIZONTAL	peak	
6 15540.000	40.56	38.33	9.26	36.49	51.66	74.00	-22.34	HORIZONTAL	peak	



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



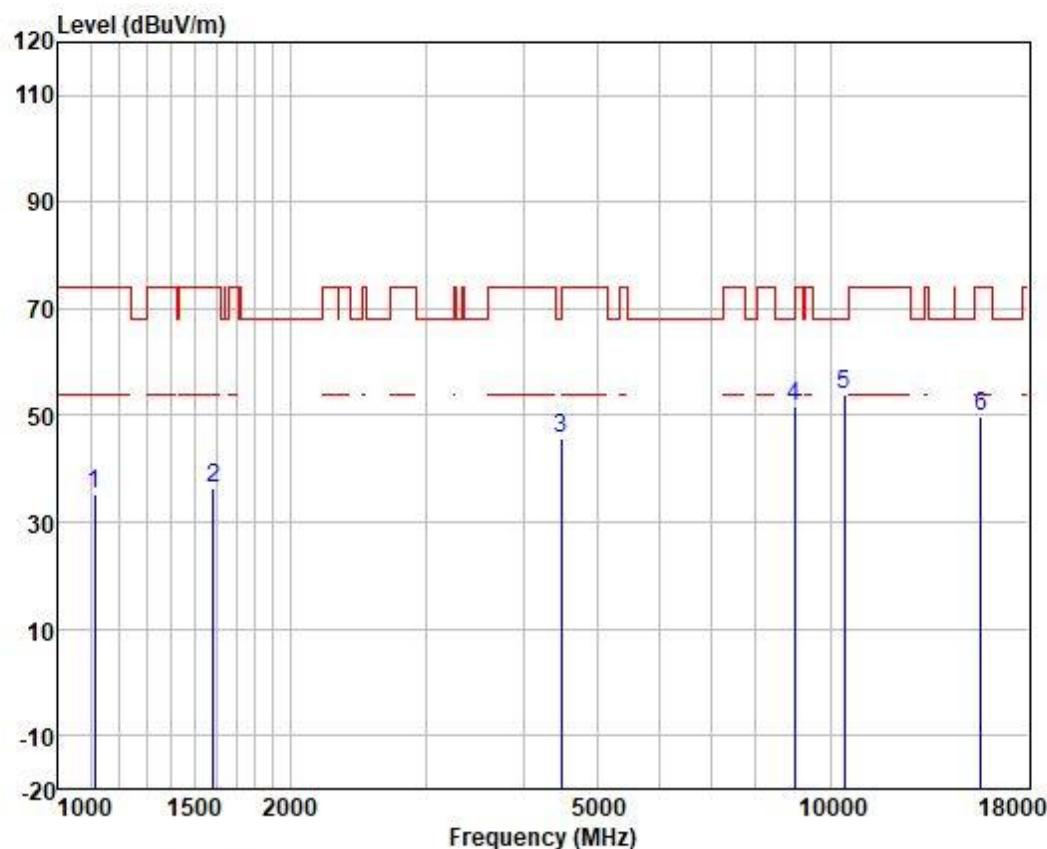
Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	Level	Factor	Loss	Factor	Level	Line				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1	1289.627	47.59	23.92	2.58	38.60	35.49	68.20	-32.71	HORIZONTAL	peak
2	1525.000	46.15	24.49	2.71	38.26	35.09	74.00	-38.91	HORIZONTAL	peak
3	4482.150	44.67	34.12	4.62	37.44	45.97	68.20	-22.23	HORIZONTAL	peak
4	8995.123	44.85	37.59	6.57	37.15	51.86	68.20	-16.34	HORIZONTAL	peak
5	11000.000	41.49	40.42	7.52	37.00	52.43	74.00	-21.57	HORIZONTAL	peak
6	16500.000	37.40	38.70	9.34	36.45	48.99	68.20	-19.21	HORIZONTAL	peak



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



Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	MHz	Level	Factor	Loss	Factor	Level				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1116.093	49.13	22.73	2.29	38.73	35.42	74.00	-38.58	VERTICAL	peak
2	1587.975	47.15	24.65	2.75	38.15	36.40	74.00	-37.60	VERTICAL	peak
3	4482.150	44.52	34.12	4.62	37.44	45.82	68.20	-22.38	VERTICAL	peak
4	8995.123	44.77	37.59	6.57	37.15	51.78	68.20	-16.42	VERTICAL	peak
5	10440.000	44.00	39.79	7.26	37.08	53.97	68.20	-14.23	VERTICAL	peak
6	15660.000	39.01	38.01	9.34	36.49	49.87	74.00	-24.13	VERTICAL	peak

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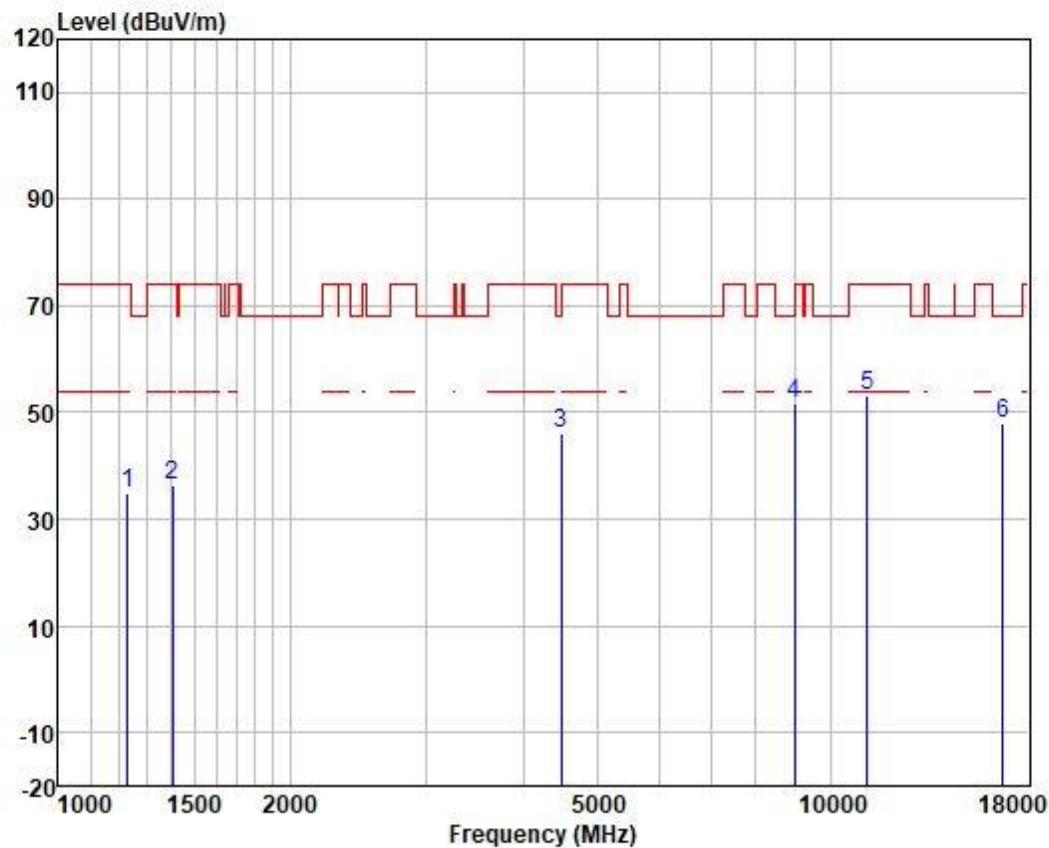
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Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



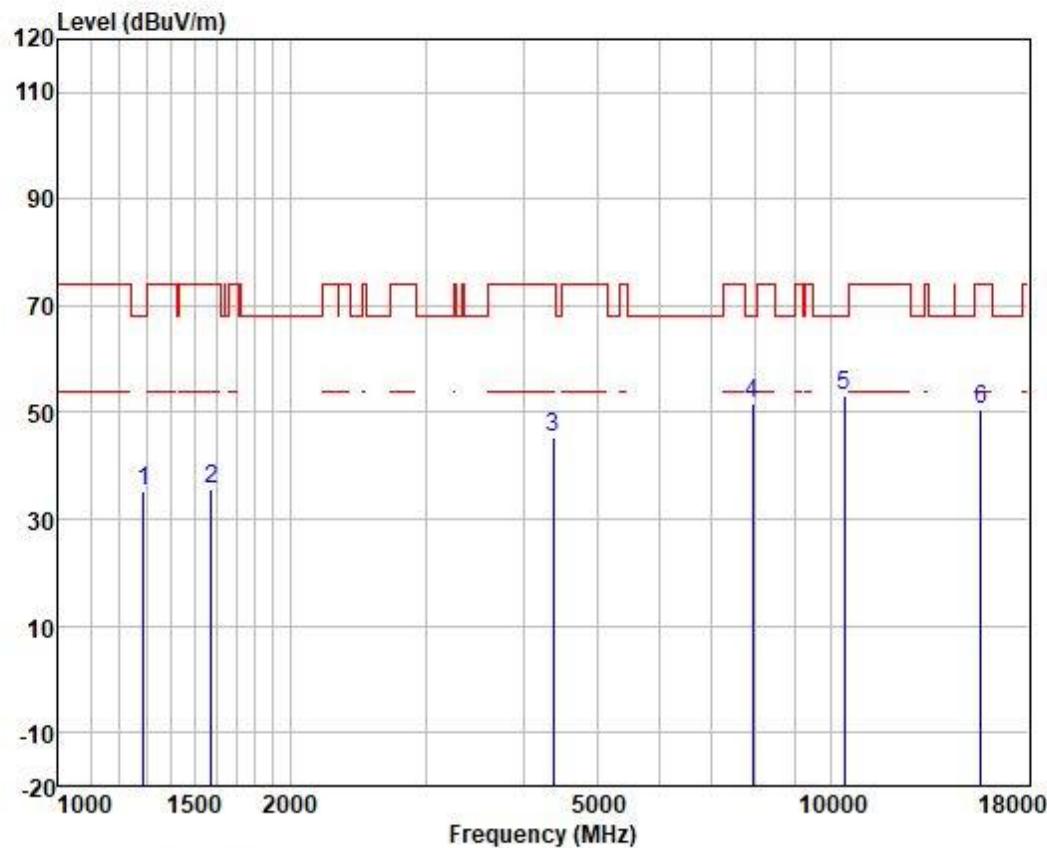
Freq	Read	Antenna	Cable	Preamp	Limit		Over	Remark
	Level	Factor	Loss	Factor	Level	Line	Limit	
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	1231.345	47.66	23.51	2.48	38.64	35.01	74.00	-38.99 VERTICAL peak
2	1406.443	48.03	24.27	2.66	38.47	36.49	74.00	-37.51 VERTICAL peak
3	4482.150	44.73	34.12	4.62	37.44	46.03	68.20	-22.17 VERTICAL peak
4	8995.123	44.81	37.59	6.57	37.15	51.82	68.20	-16.38 VERTICAL peak
5	11160.000	42.33	40.37	7.55	36.96	53.29	74.00	-20.71 VERTICAL peak
6	16740.000	34.75	40.14	9.39	36.43	47.85	68.20	-20.35 VERTICAL peak



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



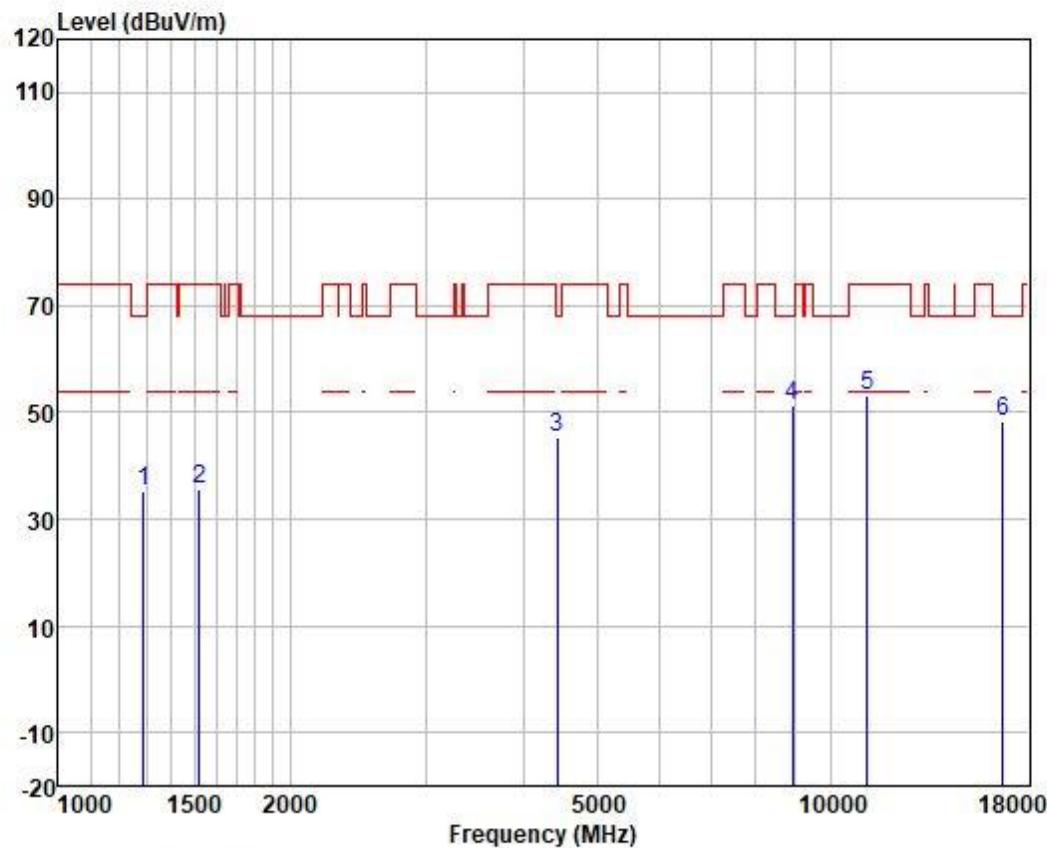
Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	Level	Factor	Loss	Factor	Level	Line				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1289.627	47.41	23.92	2.58	38.60	35.31	68.20	-32.89	HORIZONTAL	peak
2	1578.822	46.47	24.62	2.74	38.18	35.65	74.00	-38.35	HORIZONTAL	peak
3	4379.699	44.78	33.59	4.60	37.46	45.51	74.00	-28.49	HORIZONTAL	peak
4	7943.838	45.49	37.09	6.19	37.20	51.57	68.20	-16.63	HORIZONTAL	peak
5	10440.000	43.34	39.79	7.26	37.08	53.31	68.20	-14.89	HORIZONTAL	peak
6	15660.000	39.83	38.01	9.34	36.49	50.69	74.00	-23.31	HORIZONTAL	peak



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



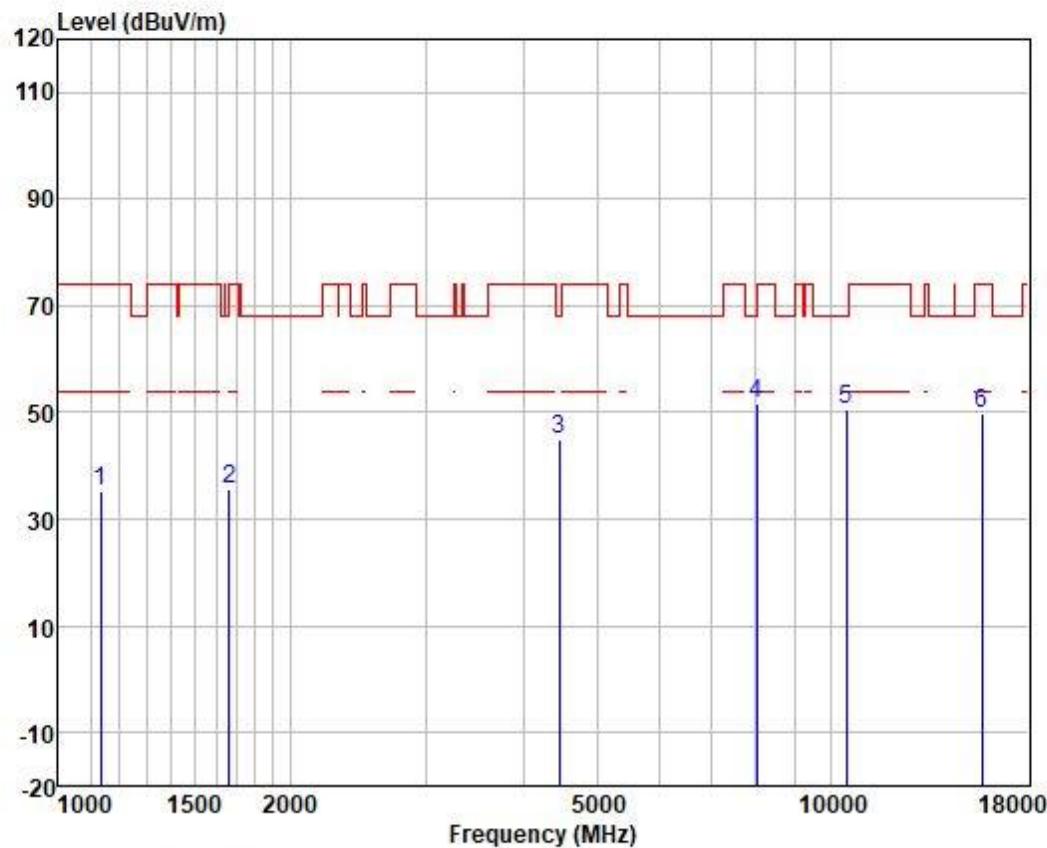
Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	Level	Factor	Loss	Factor	Level	Line				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1 1289.627	47.53	23.92	2.58	38.60	35.43	68.20	-32.77	HORIZONTAL	peak	
2 1525.000	46.78	24.49	2.71	38.26	35.72	74.00	-38.28	HORIZONTAL	peak	
3 4430.628	44.38	33.87	4.61	37.45	45.41	68.20	-22.79	HORIZONTAL	peak	
4 8943.274	44.51	37.50	6.56	37.16	51.41	68.20	-16.79	HORIZONTAL	peak	
5 11160.000	42.05	40.37	7.55	36.96	53.01	74.00	-20.99	HORIZONTAL	peak	
6 16740.000	35.35	40.14	9.39	36.43	48.45	68.20	-19.75	HORIZONTAL	peak	



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



Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	MHz	Level	Factor	Loss	Factor	Level				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1135.617	48.79	22.81	2.30	38.72	35.18	74.00	-38.82	VERTICAL	peak
2	1663.137	46.03	24.93	2.81	38.06	35.71	74.00	-38.29	VERTICAL	peak
3	4456.315	43.87	34.00	4.61	37.45	45.03	68.20	-23.17	VERTICAL	peak
4	8036.214	45.52	37.09	6.22	37.20	51.63	74.00	-22.37	VERTICAL	peak
5	10480.000	40.38	39.84	7.26	37.07	50.41	68.20	-17.79	VERTICAL	peak
6	15720.000	39.09	37.89	9.38	36.49	49.87	74.00	-24.13	VERTICAL	peak

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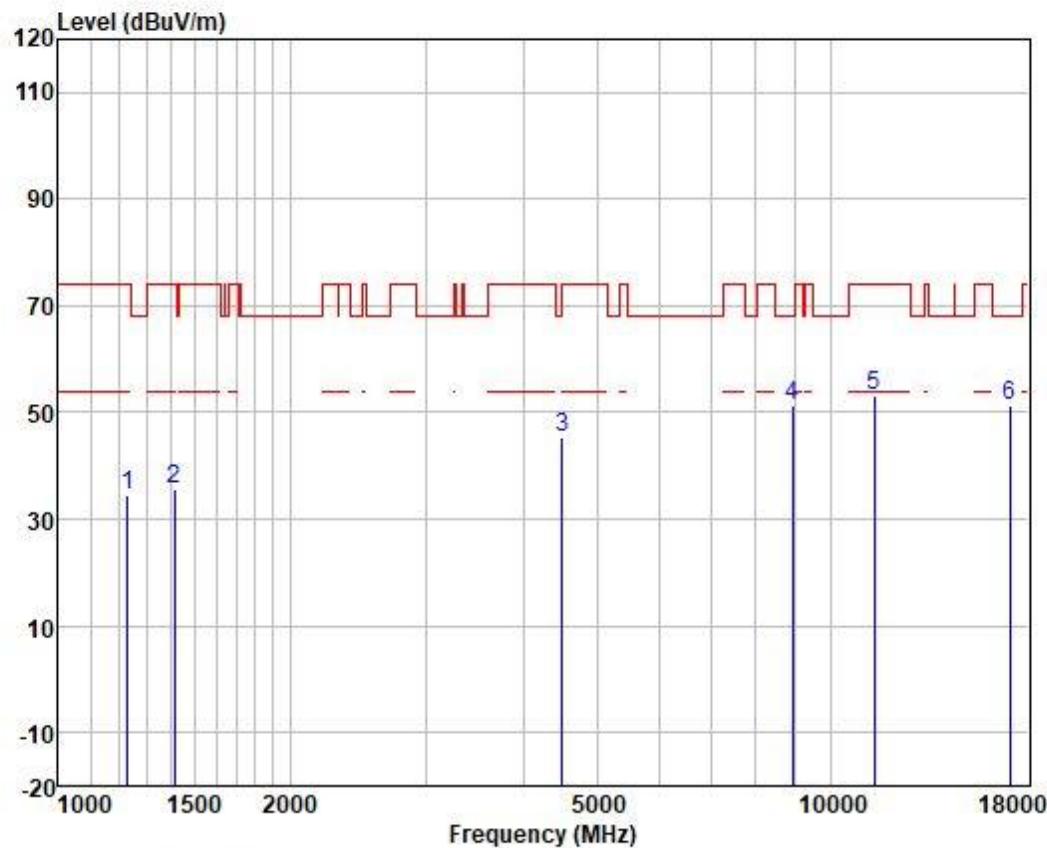
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Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



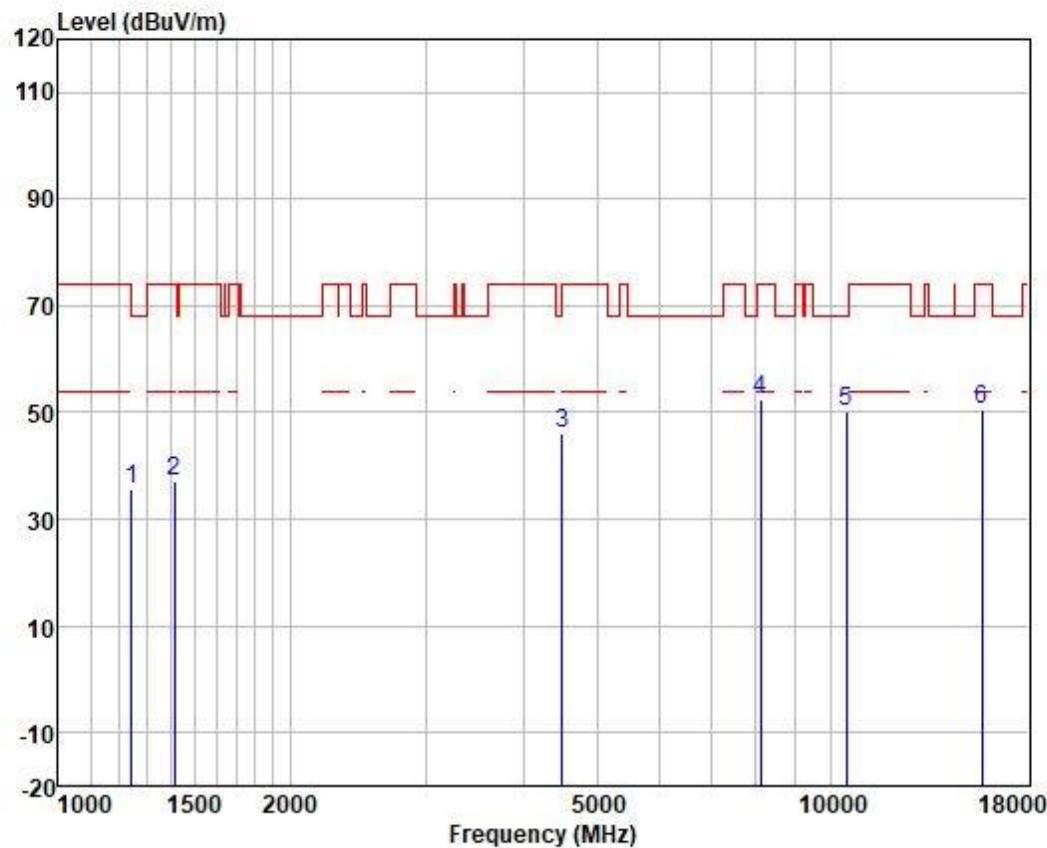
Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	Level	Factor	Loss	Factor	Level	Line				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1 1231.345	47.07	23.51	2.48	38.64	34.42	74.00	-39.58	VERTICAL	peak	
2 1414.597	47.04	24.29	2.67	38.47	35.53	74.00	-38.47	VERTICAL	peak	
3 4495.125	43.92	34.17	4.62	37.44	45.27	68.20	-22.93	VERTICAL	peak	
4 8943.274	44.49	37.50	6.56	37.16	51.39	68.20	-16.81	VERTICAL	peak	
5 11400.000	42.05	40.28	7.61	36.94	53.00	74.00	-21.00	VERTICAL	peak	
6 17100.000	36.19	41.90	9.45	36.42	51.12	68.20	-17.08	VERTICAL	peak	



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



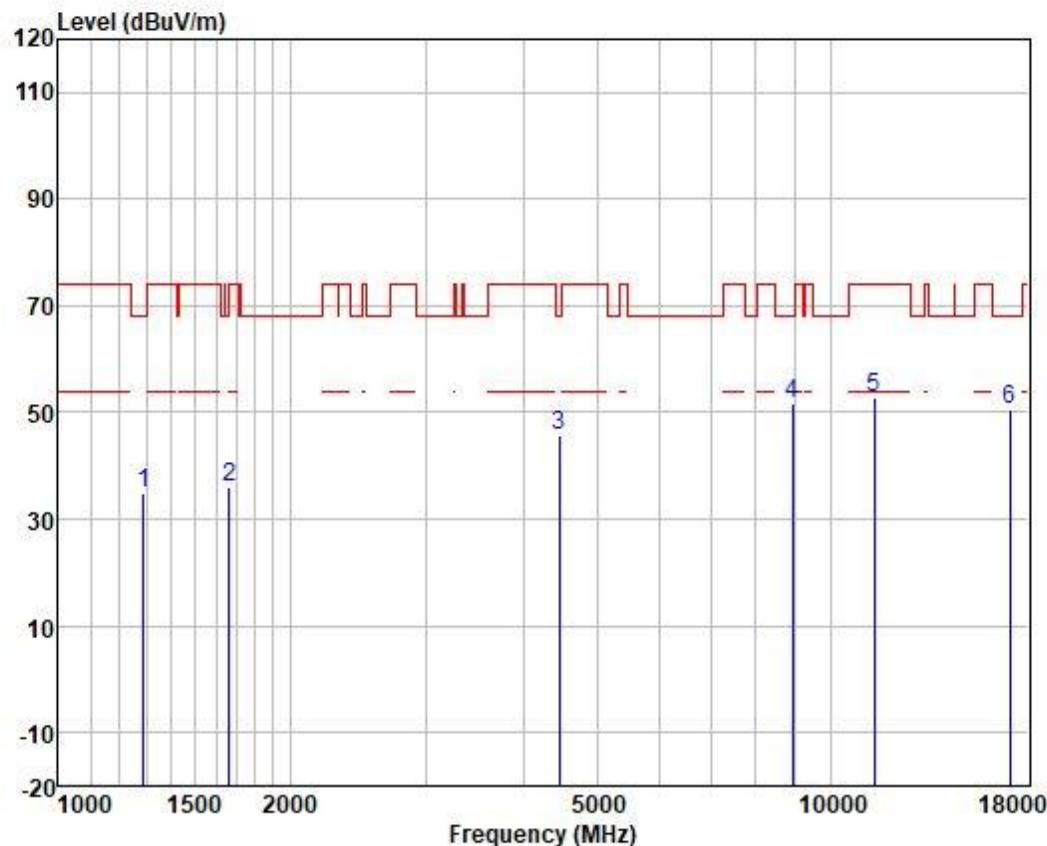
Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	Level	Factor	Loss	Factor	Level	Line				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1	1245.663	48.02	23.65	2.51	38.64	35.54	68.20	-32.66	HORIZONTAL	peak
2	1414.597	48.65	24.29	2.67	38.47	37.14	74.00	-36.86	HORIZONTAL	peak
3	4495.125	44.77	34.17	4.62	37.44	46.12	68.20	-22.08	HORIZONTAL	peak
4	8129.664	46.29	36.99	6.26	37.20	52.34	74.00	-21.66	HORIZONTAL	peak
5	10480.000	40.01	39.84	7.26	37.07	50.04	68.20	-18.16	HORIZONTAL	peak
6	15720.000	39.78	37.89	9.38	36.49	50.56	74.00	-23.44	HORIZONTAL	peak



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



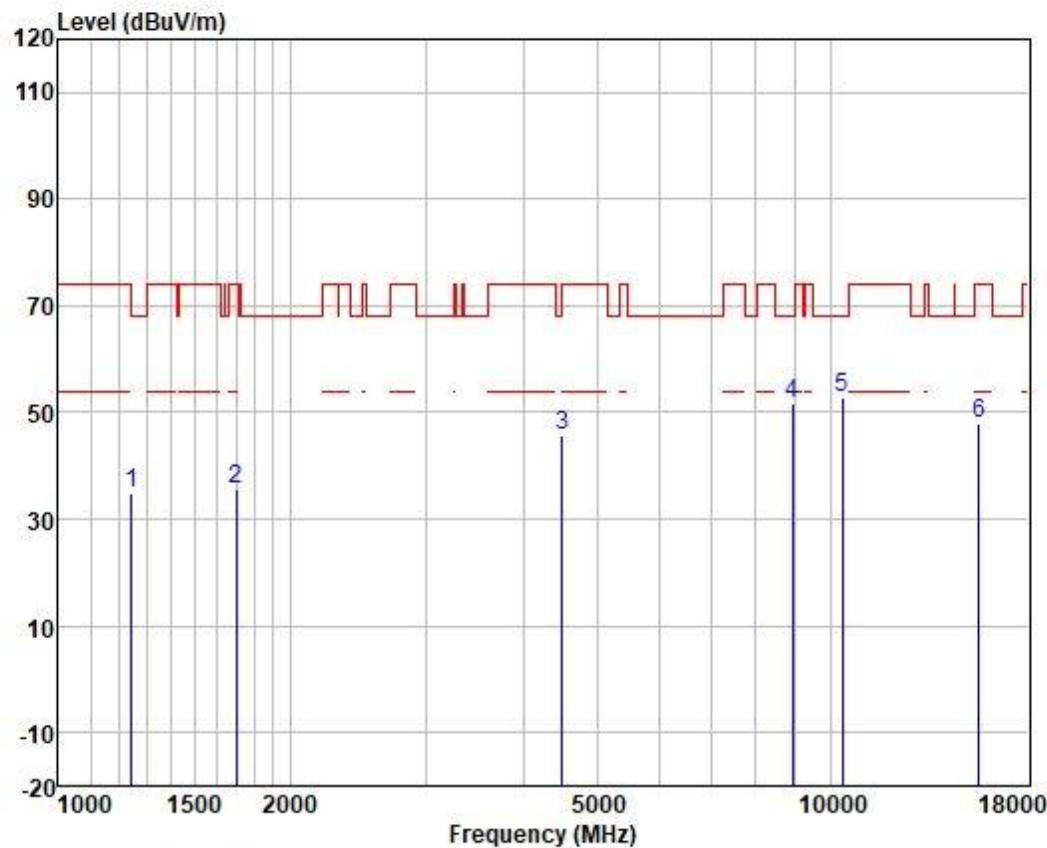
Freq	Read	Antenna	Cable	Preamp	Limit		Over	Remark
	Freq	Level	Factor	Loss	Factor	Line	Line	
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	1289.627	46.86	23.92	2.58	38.60	34.76	68.20	-33.44 HORIZONTAL peak
2	1663.137	46.39	24.93	2.81	38.06	36.07	74.00	-37.93 HORIZONTAL peak
3	4456.315	44.46	34.00	4.61	37.45	45.62	68.20	-22.58 HORIZONTAL peak
4	8943.274	44.81	37.50	6.56	37.16	51.71	68.20	-16.49 HORIZONTAL peak
5	11400.000	41.89	40.28	7.61	36.94	52.84	74.00	-21.16 HORIZONTAL peak
6	17100.000	35.68	41.90	9.45	36.42	50.61	68.20	-17.59 HORIZONTAL peak



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



Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	Level	Factor	Loss	Factor	Level	Line				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1	1245.663	47.52	23.65	2.51	38.64	35.04	68.20	-33.16	VERTICAL	peak
2	1702.042	45.83	25.15	2.85	38.03	35.80	74.00	-38.20	VERTICAL	peak
3	4495.125	44.32	34.17	4.62	37.44	45.67	68.20	-22.53	VERTICAL	peak
4	8943.274	44.89	37.50	6.56	37.16	51.79	68.20	-16.41	VERTICAL	peak
5	10380.000	42.99	39.69	7.25	37.08	52.85	68.20	-15.35	VERTICAL	peak
6	15570.000	36.87	38.23	9.29	36.49	47.90	74.00	-26.10	VERTICAL	peak

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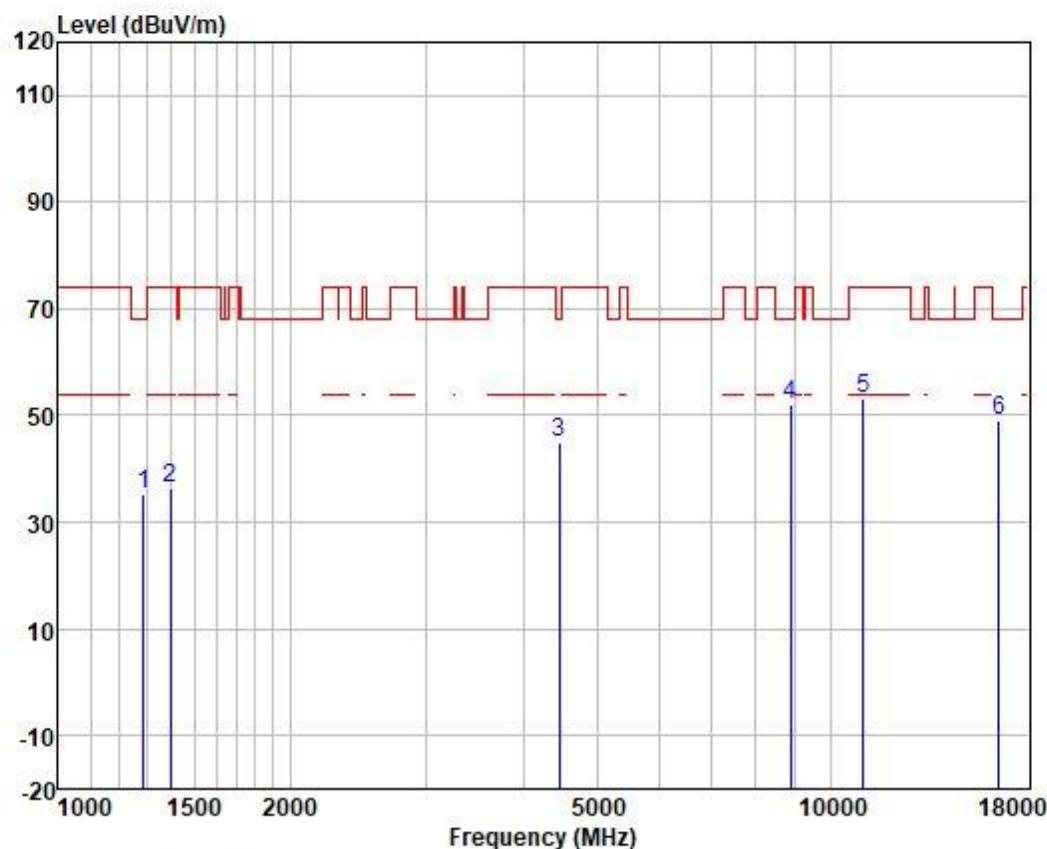
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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



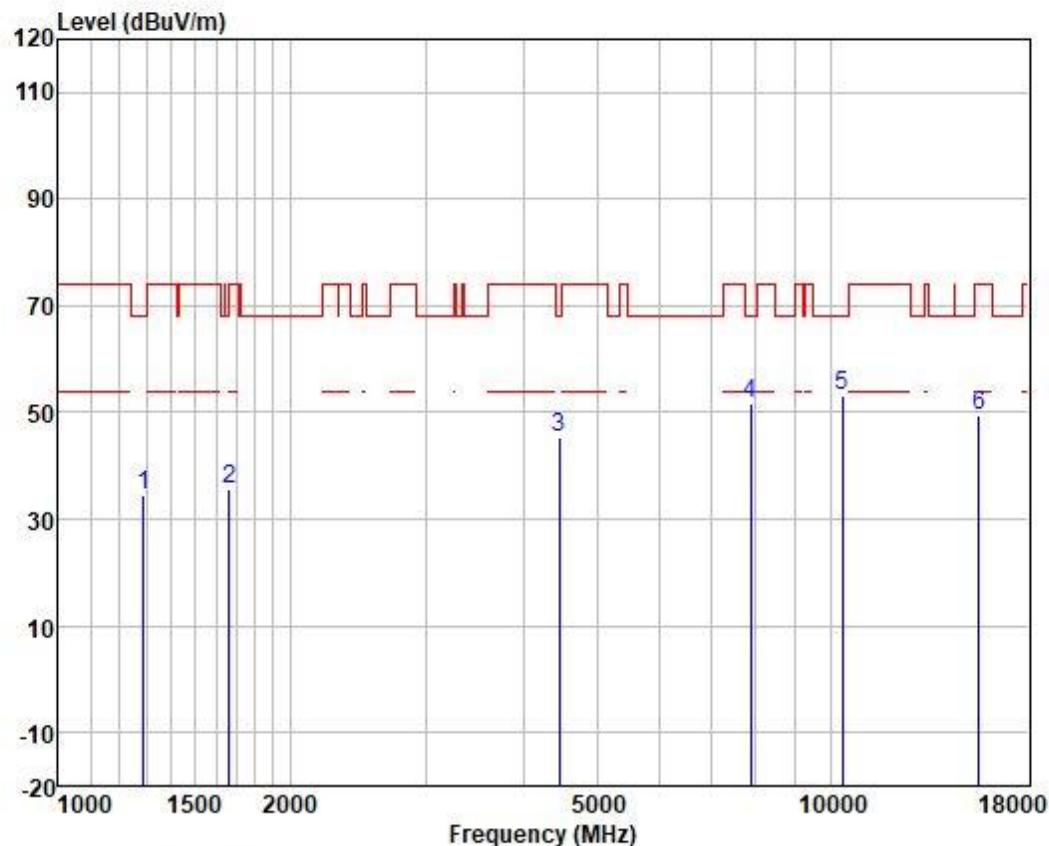
Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	Level	Factor	Loss	Factor	Level	Line				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1289.627	47.20	23.92	2.58	38.60	35.10	68.20	-33.10	VERTICAL	peak
2	1398.336	47.78	24.26	2.66	38.49	36.21	74.00	-37.79	VERTICAL	peak
3	4456.315	43.71	34.00	4.61	37.45	44.87	68.20	-23.33	VERTICAL	peak
4	8891.725	45.16	37.41	6.55	37.16	51.96	68.20	-16.24	VERTICAL	peak
5	11020.000	42.22	40.42	7.52	37.00	53.16	74.00	-20.84	VERTICAL	peak
6	16530.000	37.16	38.94	9.35	36.45	49.00	68.20	-19.20	VERTICAL	peak



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



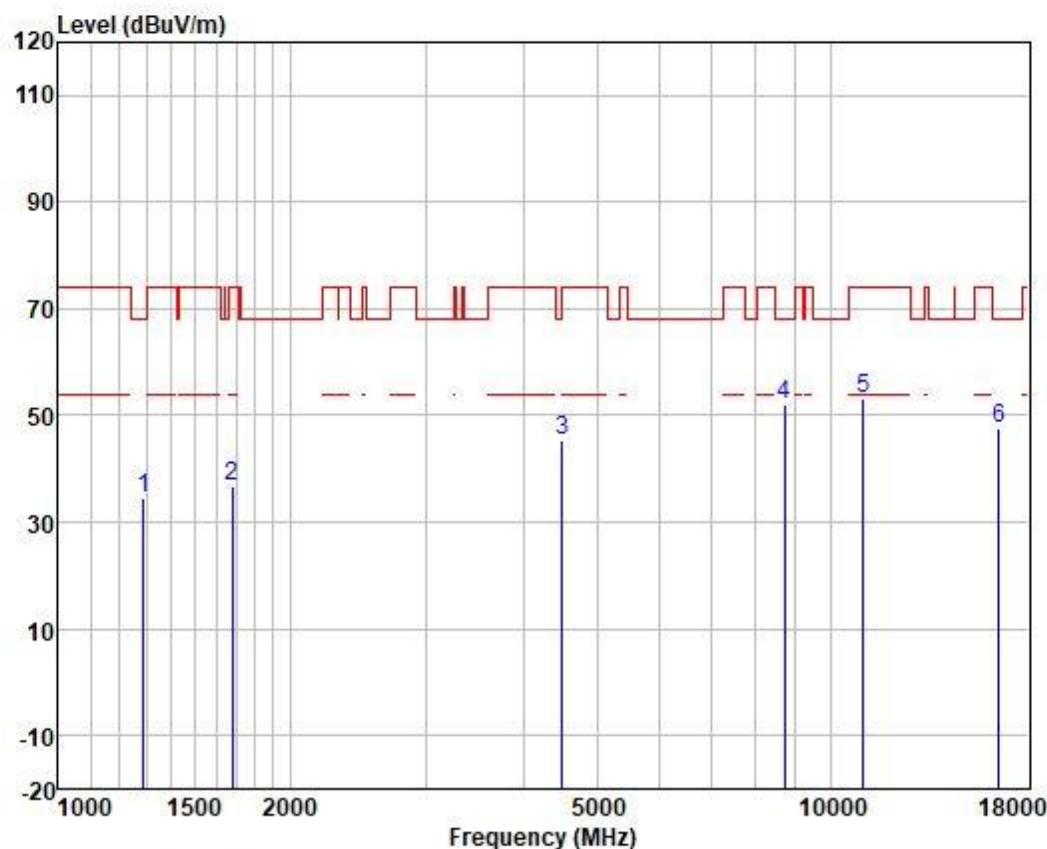
Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	Level	Factor	Loss	Factor	Level	Line				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1 1289.627	46.77	23.92	2.58	38.60	34.67	68.20	-33.53	HORIZONTAL	peak	
2 1663.137	46.13	24.93	2.81	38.06	35.81	74.00	-38.19	HORIZONTAL	peak	
3 4456.315	44.35	34.00	4.61	37.45	45.51	68.20	-22.69	HORIZONTAL	peak	
4 7898.049	45.63	37.04	6.18	37.20	51.65	68.20	-16.55	HORIZONTAL	peak	
5 10380.000	43.17	39.69	7.25	37.08	53.03	68.20	-15.17	HORIZONTAL	peak	
6 15570.000	38.32	38.23	9.29	36.49	49.35	74.00	-24.65	HORIZONTAL	peak	



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



Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	MHz	Level	Factor	Loss	Factor	Level				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1289.627	46.51	23.92	2.58	38.60	34.41	68.20	-33.79	HORIZONTAL	peak
2	1682.477	46.89	25.03	2.83	38.05	36.70	74.00	-37.30	HORIZONTAL	peak
3	4495.125	44.05	34.17	4.62	37.44	45.40	68.20	-22.80	HORIZONTAL	peak
4	8713.630	45.95	36.95	6.51	37.17	52.24	68.20	-15.96	HORIZONTAL	peak
5	11020.000	42.35	40.42	7.52	37.00	53.29	74.00	-20.71	HORIZONTAL	peak
6	16530.000	35.76	38.94	9.35	36.45	47.60	68.20	-20.60	HORIZONTAL	peak

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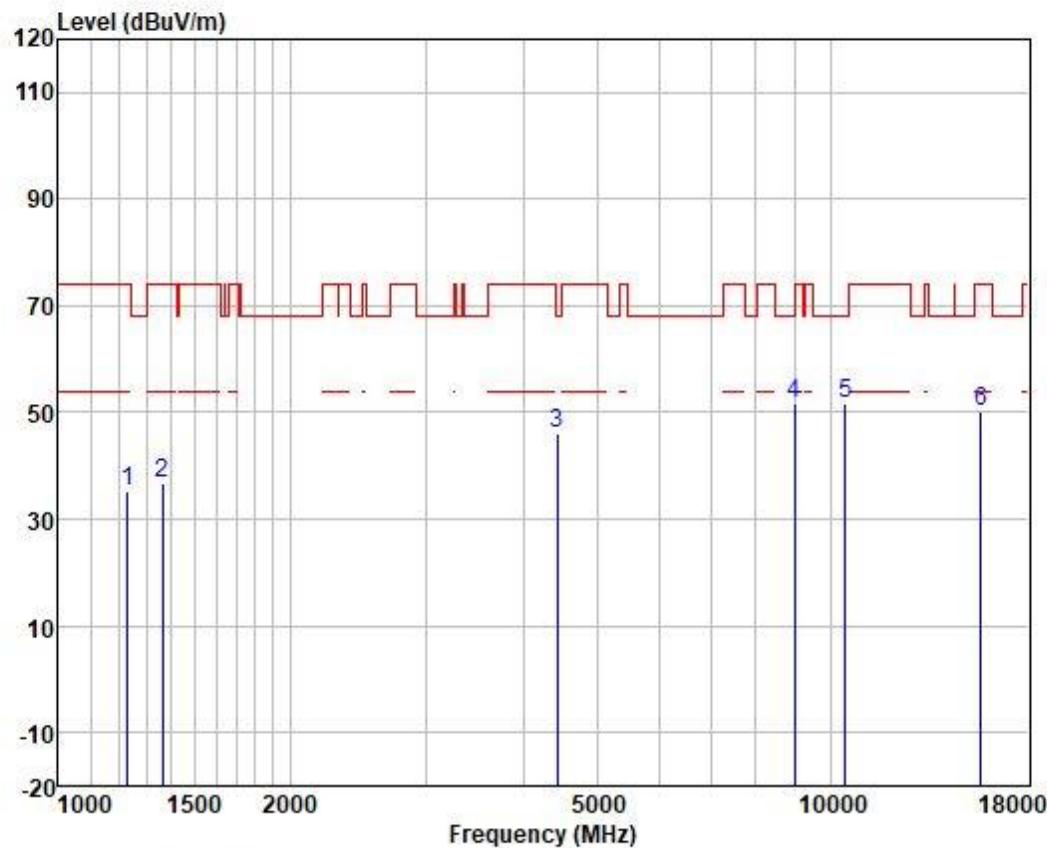
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Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



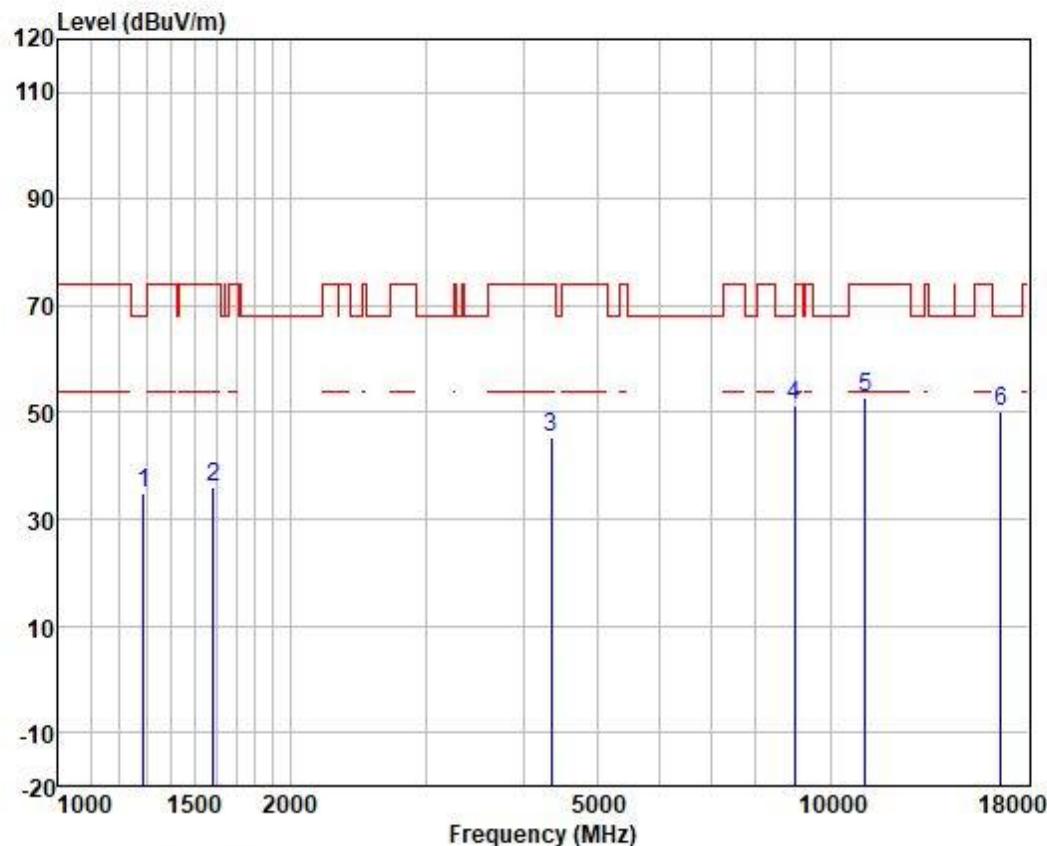
Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	Level	Factor	Loss	Factor	Level	Line				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1 1231.345	47.97	23.51	2.48	38.64	35.32	74.00	-38.68	VERTICAL	peak	
2 1366.374	48.26	24.18	2.64	38.51	36.57	74.00	-37.43	VERTICAL	peak	
3 4430.628	45.16	33.87	4.61	37.45	46.19	68.20	-22.01	VERTICAL	peak	
4 8995.123	44.68	37.59	6.57	37.15	51.69	68.20	-16.51	VERTICAL	peak	
5 10460.000	41.61	39.79	7.26	37.07	51.59	68.20	-16.61	VERTICAL	peak	
6 15690.000	39.21	38.01	9.34	36.49	50.07	74.00	-23.93	VERTICAL	peak	



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



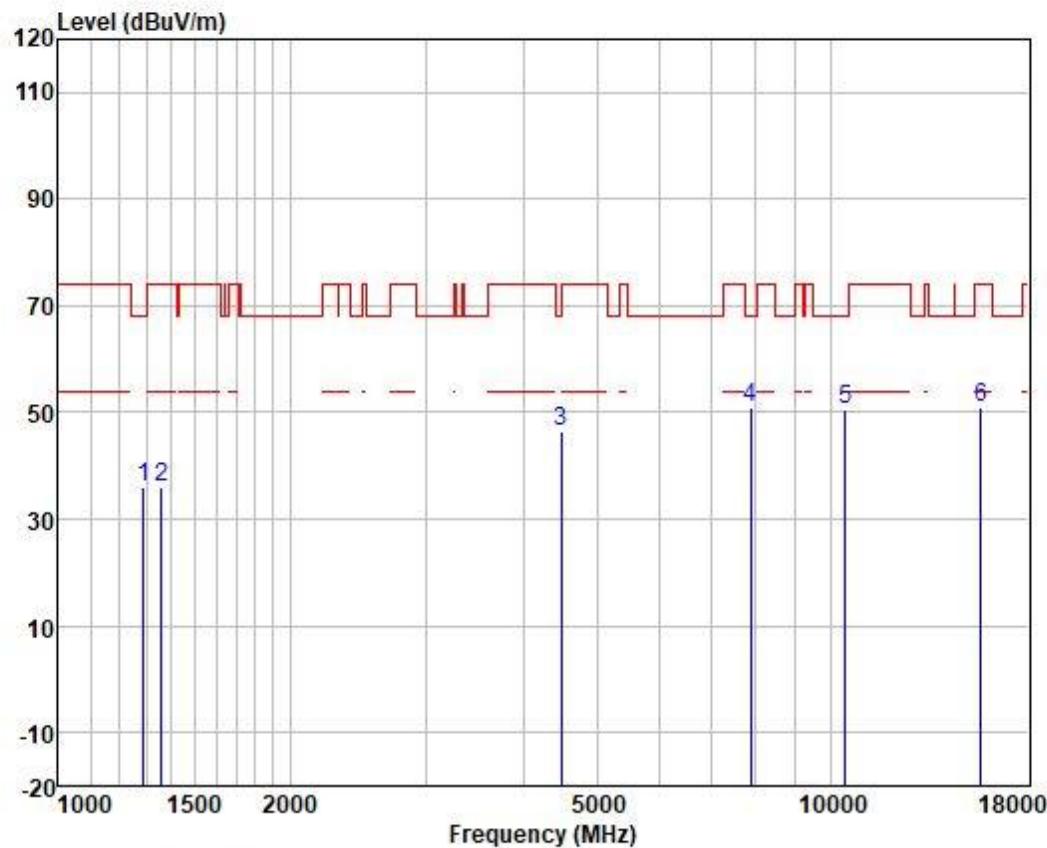
Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	MHz	Level	Factor	Loss	Factor	Level				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1289.627	46.86	23.92	2.58	38.60	34.76	68.20	-33.44	VERTICAL	peak
2	1587.975	46.77	24.65	2.75	38.15	36.02	74.00	-37.98	VERTICAL	peak
3	4354.454	44.80	33.43	4.60	37.46	45.37	74.00	-28.63	VERTICAL	peak
4	8995.123	44.30	37.59	6.57	37.15	51.31	68.20	-16.89	VERTICAL	peak
5	11100.000	41.91	40.39	7.54	36.98	52.86	74.00	-21.14	VERTICAL	peak
6	16650.000	37.92	39.49	9.36	36.44	50.33	68.20	-17.87	VERTICAL	peak

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



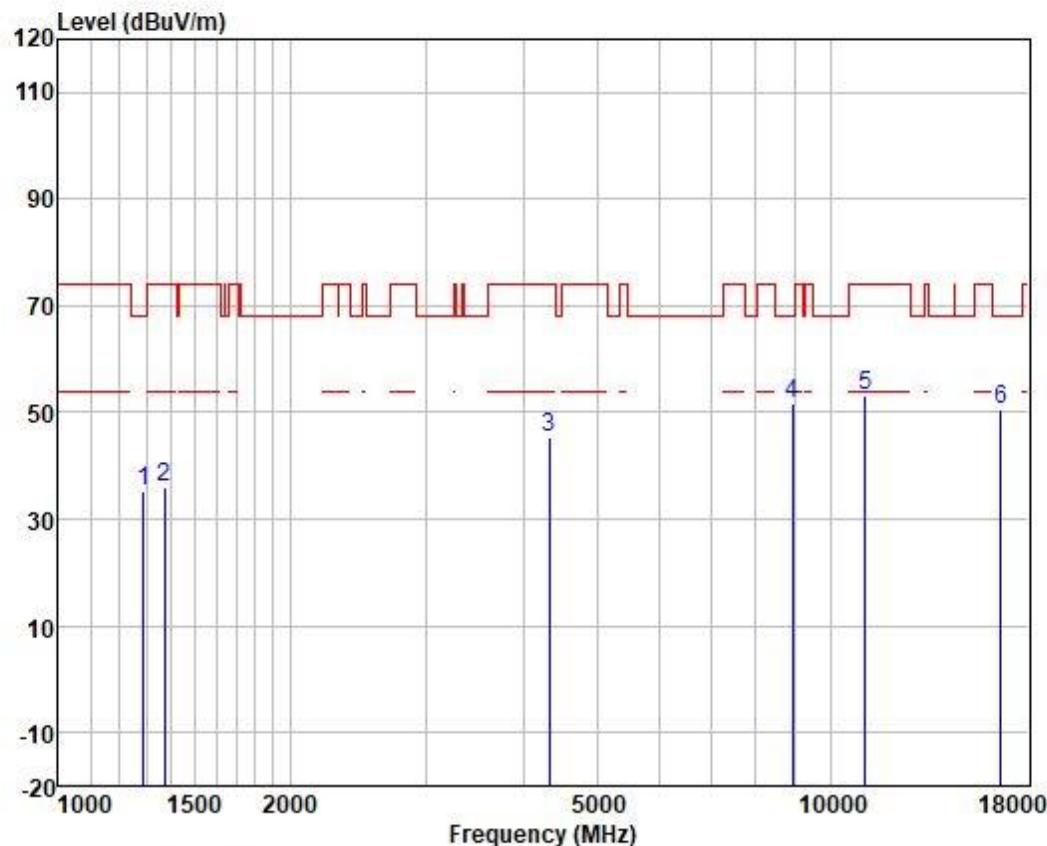
Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	Level	Factor	Loss	Factor	Level	Line				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1 1289.627	47.98	23.92	2.58	38.60	35.88	68.20	-32.32	HORIZONTAL	peak	
2 1358.498	47.62	24.16	2.63	38.53	35.88	74.00	-38.12	HORIZONTAL	peak	
3 4482.150	45.11	34.12	4.62	37.44	46.41	68.20	-21.79	HORIZONTAL	peak	
4 7898.049	45.04	37.04	6.18	37.20	51.06	68.20	-17.14	HORIZONTAL	peak	
5 10460.000	40.45	39.79	7.26	37.07	50.43	68.20	-17.77	HORIZONTAL	peak	
6 15690.000	40.06	38.01	9.34	36.49	50.92	74.00	-23.08	HORIZONTAL	peak	



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



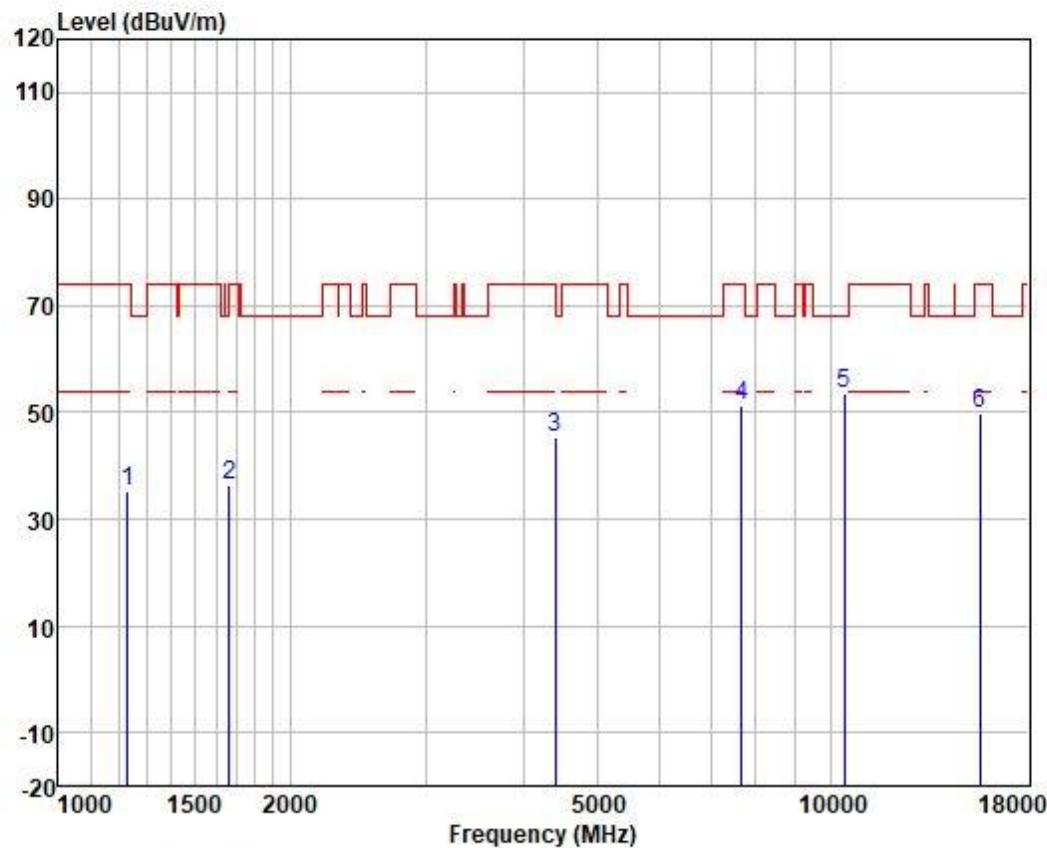
Freq	ReadAntenna		Cable Preamp		Limit Line	Over Limit	Pol/Phase	Remark
	Level	Factor	Loss	Factor				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 1289.627	47.25	23.92	2.58	38.60	35.15	68.20	-33.05	HORIZONTAL peak
2 1374.295	47.64	24.20	2.64	38.51	35.97	74.00	-38.03	HORIZONTAL peak
3 4329.354	44.79	33.25	4.59	37.46	45.17	74.00	-28.83	HORIZONTAL peak
4 8943.274	44.65	37.50	6.56	37.16	51.55	68.20	-16.65	HORIZONTAL peak
5 11100.000	42.16	40.39	7.54	36.98	53.11	74.00	-20.89	HORIZONTAL peak
6 16650.000	38.00	39.49	9.36	36.44	50.41	68.20	-17.79	HORIZONTAL peak



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



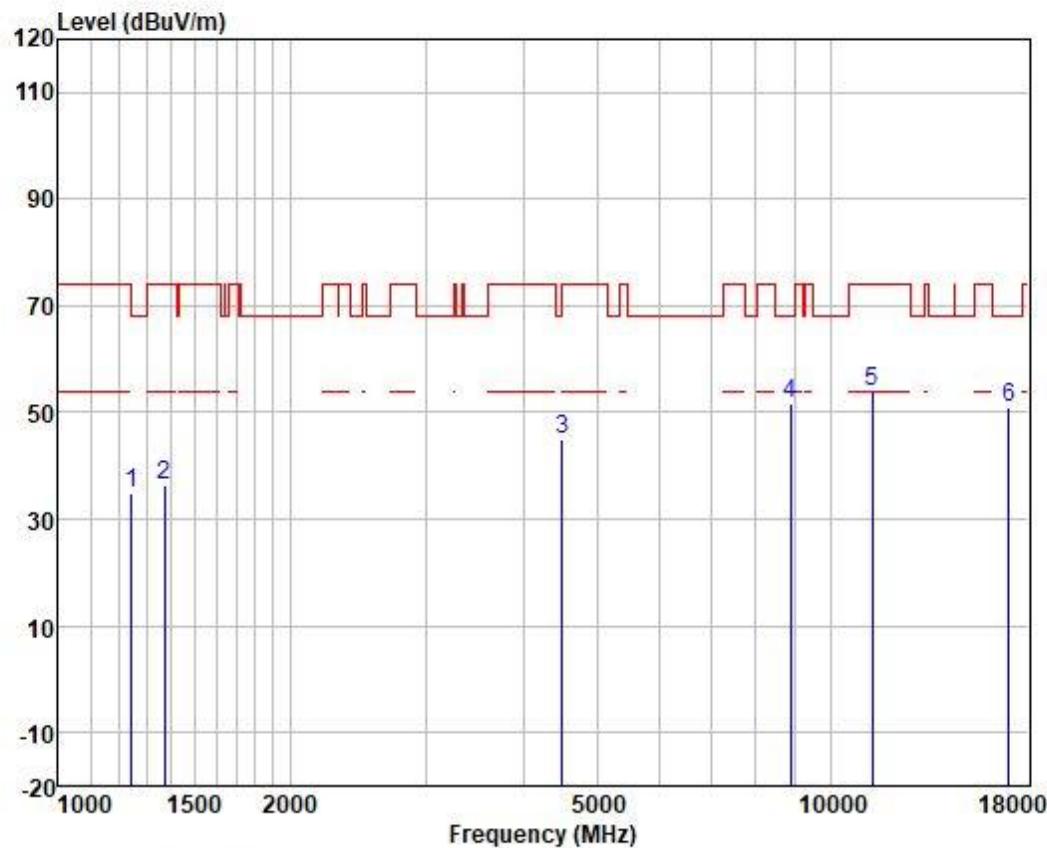
Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	Level	Factor	Loss	Factor	Level	Line				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1 1231.345	47.92	23.51	2.48	38.64	35.27	74.00	-38.73	VERTICAL	peak	
2 1663.137	46.85	24.93	2.81	38.06	36.53	74.00	-37.47	VERTICAL	peak	
3 4405.090	44.43	33.74	4.61	37.46	45.32	68.20	-22.88	VERTICAL	peak	
4 7673.034	45.87	36.67	6.08	37.19	51.43	74.00	-22.57	VERTICAL	peak	
5 10420.000	43.62	39.74	7.25	37.08	53.53	68.20	-14.67	VERTICAL	peak	
6 15630.000	38.97	38.13	9.32	36.49	49.93	74.00	-24.07	VERTICAL	peak	



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



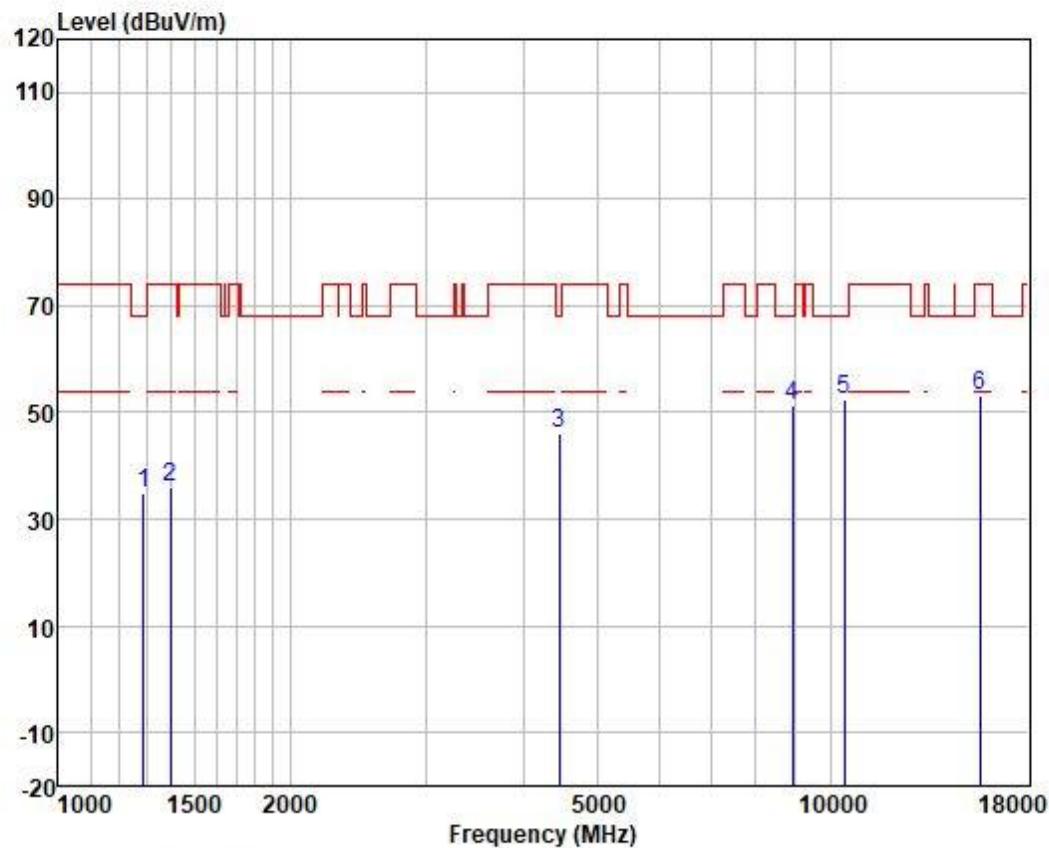
Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	Level	Factor	Loss	Factor	Level	Line				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1 1245.663	47.41	23.65	2.51	38.64	34.93	68.20	-33.27	VERTICAL	peak	
2 1374.295	48.20	24.20	2.64	38.51	36.53	74.00	-37.47	VERTICAL	peak	
3 4495.125	43.73	34.17	4.62	37.44	45.08	68.20	-23.12	VERTICAL	peak	
4 8891.725	44.75	37.41	6.55	37.16	51.55	68.20	-16.65	VERTICAL	peak	
5 11340.000	43.01	40.31	7.59	36.94	53.97	74.00	-20.03	VERTICAL	peak	
6 17010.000	36.35	41.57	9.43	36.42	50.93	68.20	-17.27	VERTICAL	peak	



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



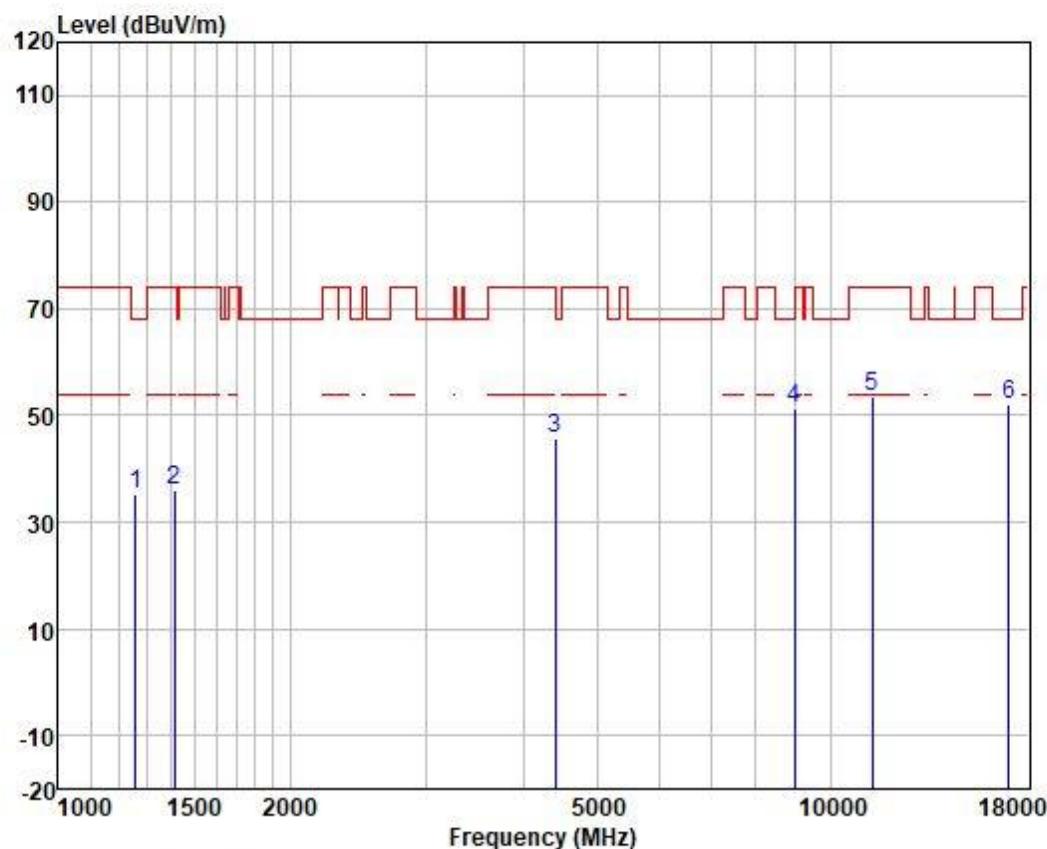
Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	Level	Factor	Loss	Factor	Level	Line				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1 1289.627	46.94	23.92	2.58	38.60	34.84	68.20	-33.36	HORIZONTAL	peak	
2 1398.336	47.48	24.26	2.66	38.49	35.91	74.00	-38.09	HORIZONTAL	peak	
3 4456.315	44.89	34.00	4.61	37.45	46.05	68.20	-22.15	HORIZONTAL	peak	
4 8943.274	44.45	37.50	6.56	37.16	51.35	68.20	-16.85	HORIZONTAL	peak	
5 10420.000	42.58	39.74	7.25	37.08	52.49	68.20	-15.71	HORIZONTAL	peak	
6 15630.000	42.09	38.13	9.32	36.49	53.05	74.00	-20.95	HORIZONTAL	peak	



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



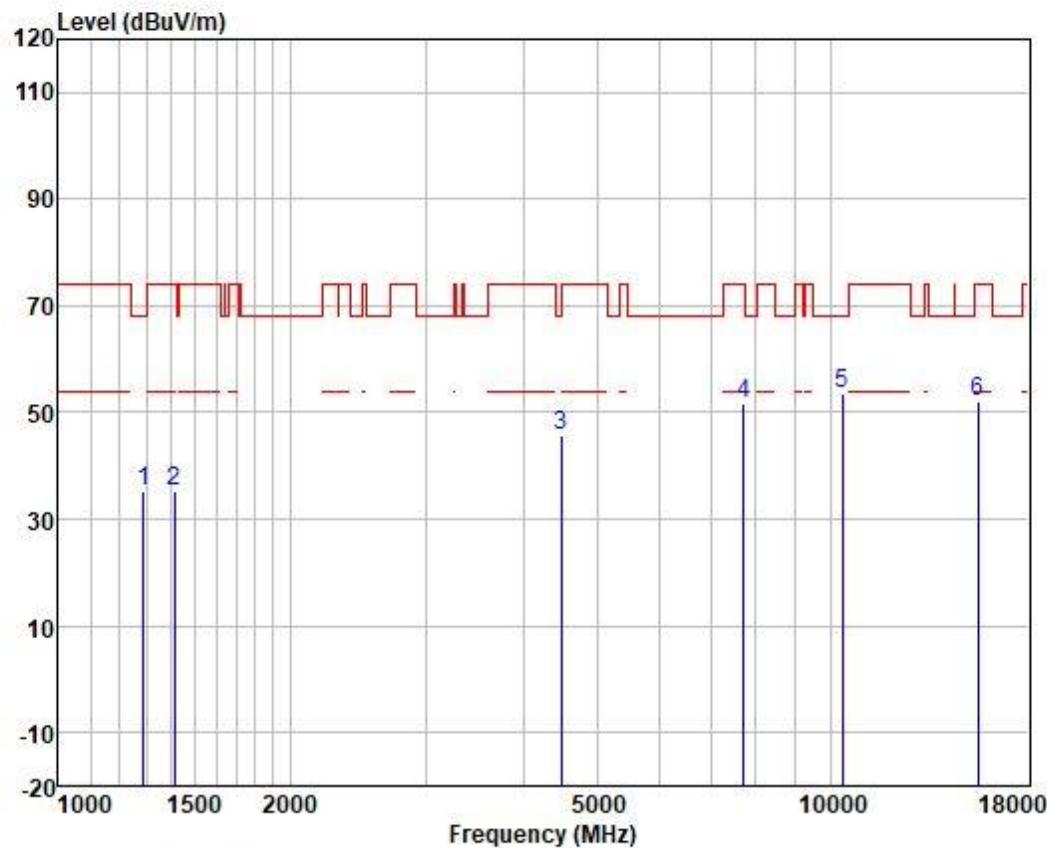
Freq	Read	Antenna	Cable	Preamp	Limit		Over	Remark
	Freq	Level	Factor	Loss	Factor	Line	Line	
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	1260.149	47.41	23.76	2.54	38.63	35.08	68.20	-33.12 HORIZONTAL peak
2	1414.597	47.56	24.29	2.67	38.47	36.05	74.00	-37.95 HORIZONTAL peak
3	4405.090	44.80	33.74	4.61	37.46	45.69	68.20	-22.51 HORIZONTAL peak
4	8995.123	44.48	37.59	6.57	37.15	51.49	68.20	-16.71 HORIZONTAL peak
5	11340.000	42.45	40.31	7.59	36.94	53.41	74.00	-20.59 HORIZONTAL peak
6	17010.000	37.65	41.57	9.43	36.42	52.23	68.20	-15.97 HORIZONTAL peak



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Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



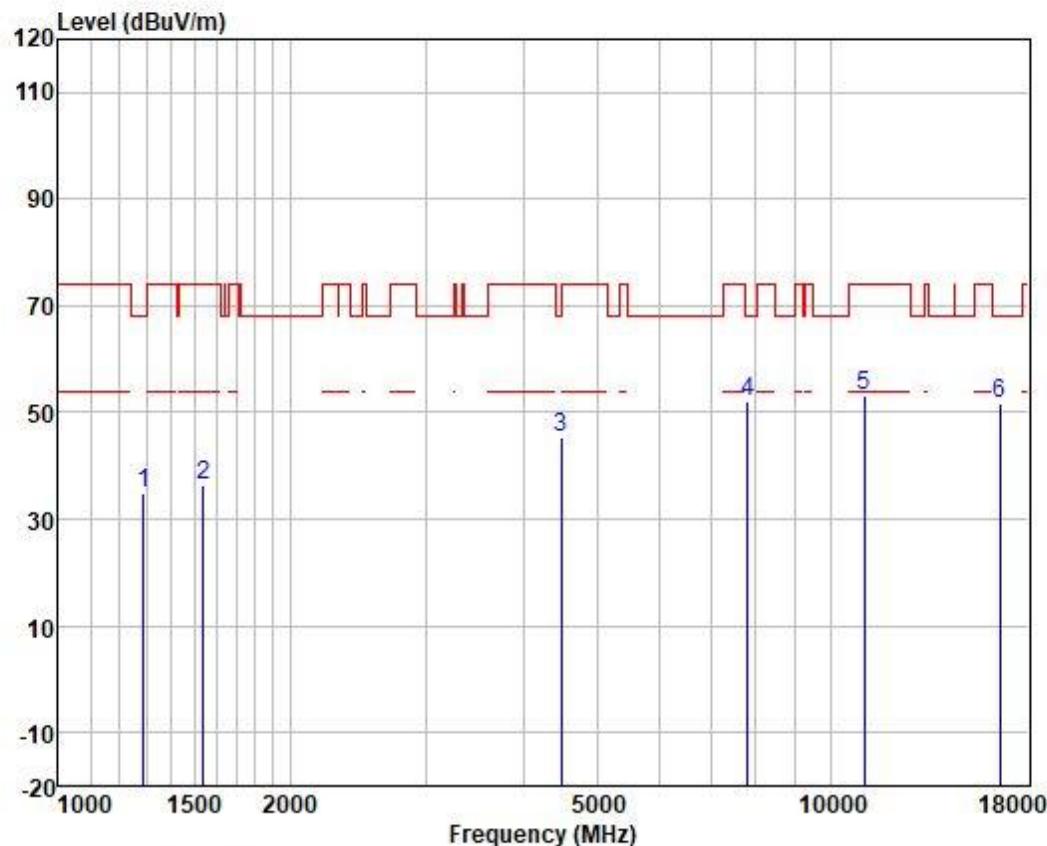
Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	Level	Factor	Loss	Factor	Level	Line				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1289.627	47.29	23.92	2.58	38.60	35.19	68.20	-33.01	VERTICAL	peak
2	1414.597	46.86	24.29	2.67	38.47	35.35	74.00	-38.65	VERTICAL	peak
3	4482.150	44.55	34.12	4.62	37.44	45.85	68.20	-22.35	VERTICAL	peak
4	7717.518	46.09	36.75	6.10	37.19	51.75	74.00	-22.25	VERTICAL	peak
5	10360.000	43.63	39.64	7.25	37.08	53.44	68.20	-14.76	VERTICAL	peak
6	15540.000	40.98	38.33	9.26	36.49	52.08	74.00	-21.92	VERTICAL	peak



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



Freq	ReadAntenna		Cable		Preamp		Limit Line	Over Limit	Over Pol/Phase	Remark
	Level	Factor	Loss	Factor	Level	dBuV/m				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	dB	dB	dB
1 1289.627	47.15	23.92	2.58	38.60	35.05	68.20	-33.15	VERTICAL	peak	
2 1542.733	47.40	24.53	2.72	38.23	36.42	74.00	-37.58	VERTICAL	peak	
3 4482.150	44.16	34.12	4.62	37.44	45.46	68.20	-22.74	VERTICAL	peak	
4 7807.262	46.32	36.92	6.15	37.20	52.19	68.20	-16.01	VERTICAL	peak	
5 11060.000	42.27	40.41	7.53	36.98	53.23	74.00	-20.77	VERTICAL	peak	
6 16590.000	39.62	39.21	9.36	36.44	51.75	68.20	-16.45	VERTICAL	peak	

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Guangzhou Branch, Testing & EEC Laboratory

No.198, Kezhu Road, Science City, Economic & Technological Development Area, Guangzhou, Guangdong, China 510663

中国·广东·广州高新技术产业开发区科学城科珠路198号

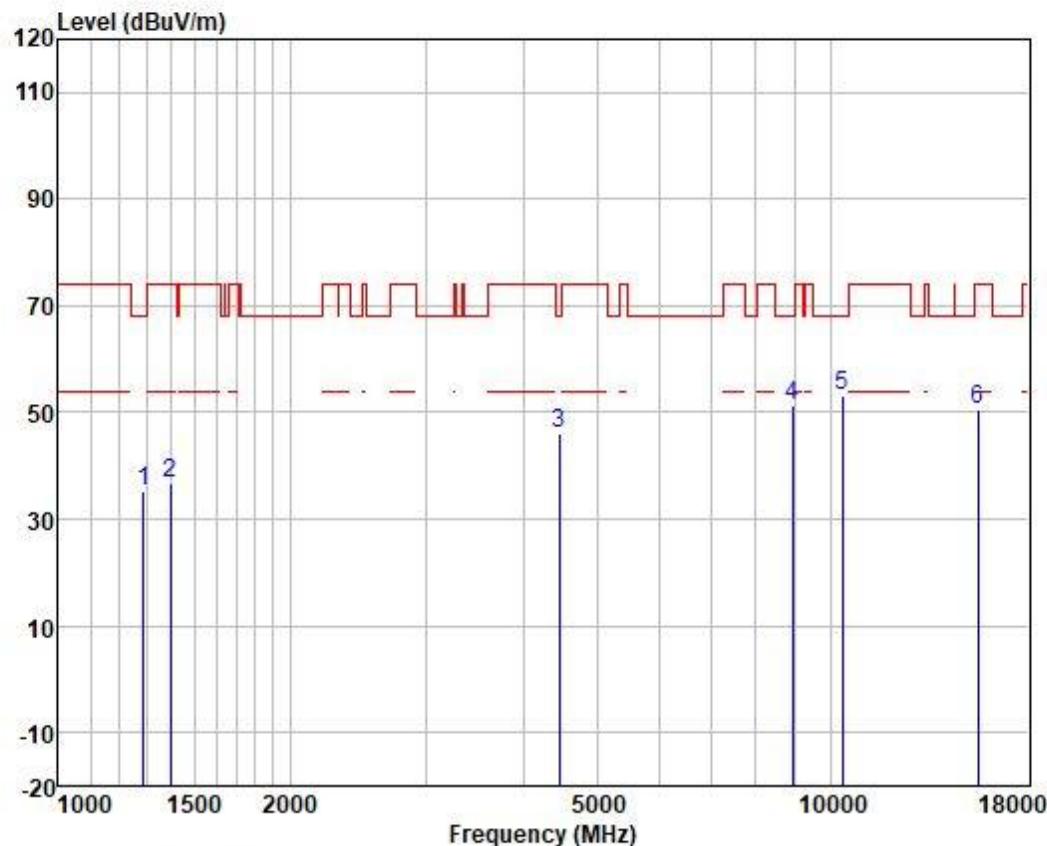
t (86-20) 82155555

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t (86-20) 82155555

sgs.china@sgs.com

Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



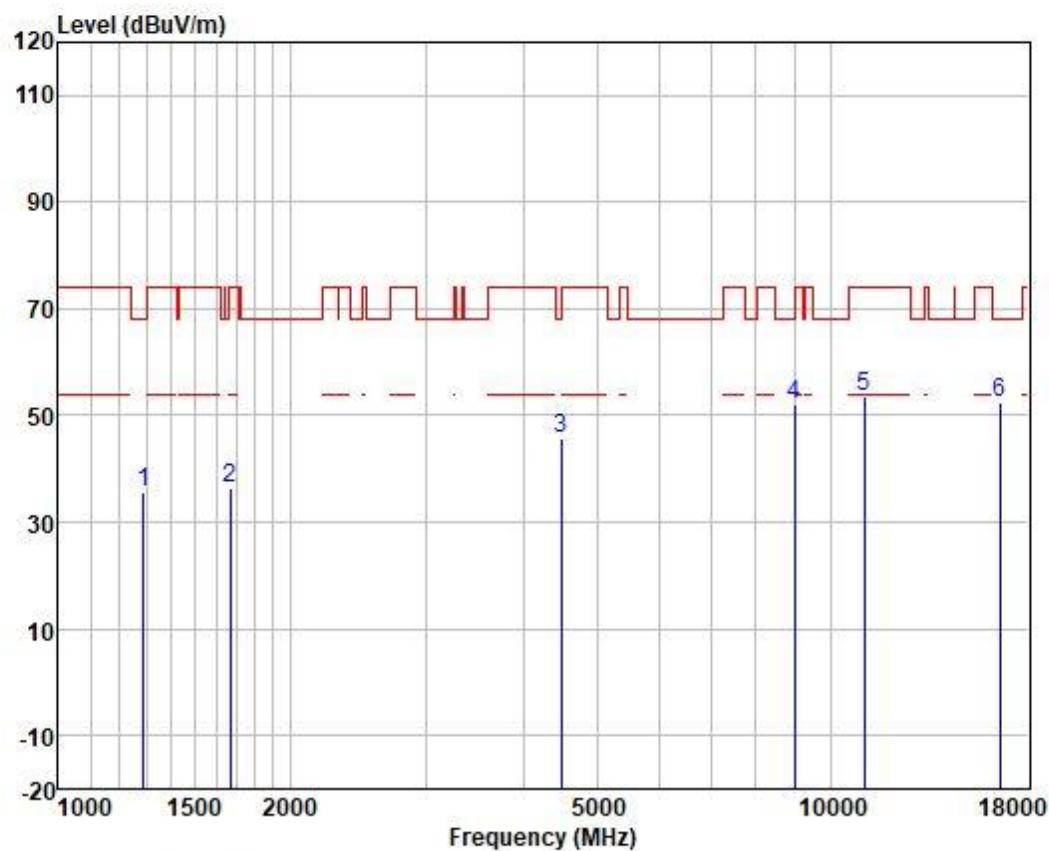
Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	Level	Factor	Loss	Factor	Level	Line				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1289.627	47.46	23.92	2.58	38.60	35.36	68.20	-32.84	HORIZONTAL	peak
2	1398.336	48.15	24.26	2.66	38.49	36.58	74.00	-37.42	HORIZONTAL	peak
3	4456.315	44.74	34.00	4.61	37.45	45.90	68.20	-22.30	HORIZONTAL	peak
4	8943.274	44.43	37.50	6.56	37.16	51.33	68.20	-16.87	HORIZONTAL	peak
5	10360.000	43.37	39.64	7.25	37.08	53.18	68.20	-15.02	HORIZONTAL	peak
6	15540.000	39.51	38.33	9.26	36.49	50.61	74.00	-23.39	HORIZONTAL	peak



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



Freq	ReadAntenna		Cable Preamp		Limit Line	Over Limit	Pol/Phase	Remark
	Level	Factor	Loss	Factor				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1289.627	47.71	23.92	2.58	38.60	35.61	68.20	-32.59 HORIZONTAL peak
2	1672.779	46.73	24.98	2.82	38.05	36.48	74.00	-37.52 HORIZONTAL peak
3	4482.150	44.22	34.12	4.62	37.44	45.52	68.20	-22.68 HORIZONTAL peak
4	8995.123	45.19	37.59	6.57	37.15	52.20	68.20	-16.00 HORIZONTAL peak
5	11060.000	42.42	40.41	7.53	36.98	53.38	74.00	-20.62 HORIZONTAL peak
6	16590.000	40.17	39.21	9.36	36.44	52.30	68.20	-15.90 HORIZONTAL peak

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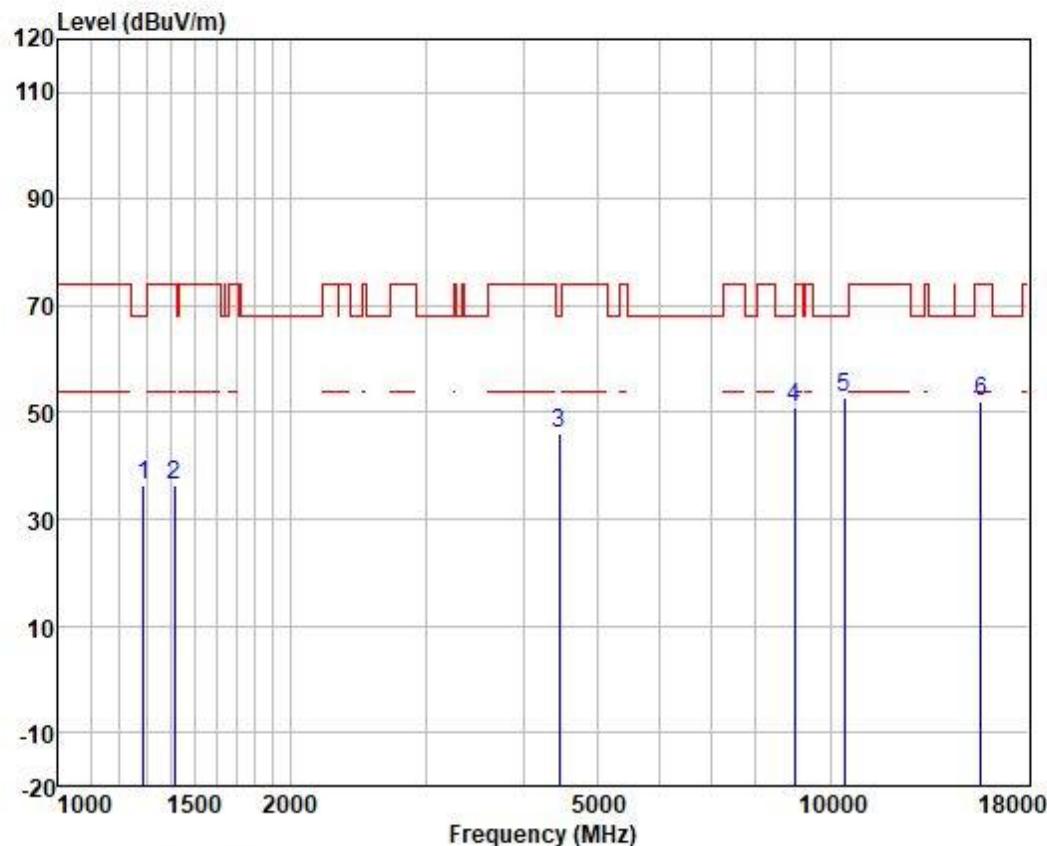
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中国·广东·广州高新技术产业开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 sgs.china@sgs.com

Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



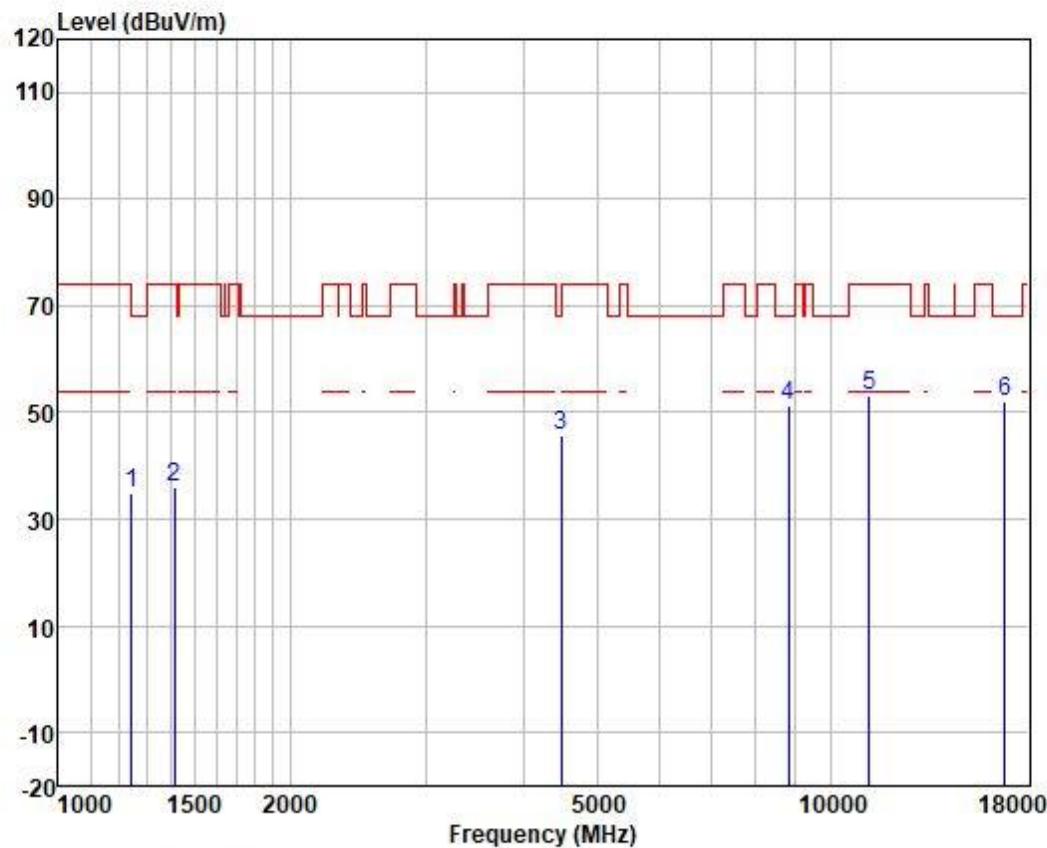
Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	Level	Factor	Loss	Factor	Level	Line				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1 1289.627	48.49	23.92	2.58	38.60	36.39	68.20	-31.81	VERTICAL	peak	
2 1414.597	47.89	24.29	2.67	38.47	36.38	74.00	-37.62	VERTICAL	peak	
3 4456.315	44.89	34.00	4.61	37.45	46.05	68.20	-22.15	VERTICAL	peak	
4 8995.123	43.93	37.59	6.57	37.15	50.94	68.20	-17.26	VERTICAL	peak	
5 10440.000	42.86	39.79	7.26	37.08	52.83	68.20	-15.37	VERTICAL	peak	
6 15660.000	41.02	38.01	9.34	36.49	51.88	74.00	-22.12	VERTICAL	peak	



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



Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	Level	Factor	Loss	Factor	Level	Line				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1 1245.663	47.28	23.65	2.51	38.64	34.80	68.20	-33.40	VERTICAL	peak	
2 1414.597	47.53	24.29	2.67	38.47	36.02	74.00	-37.98	VERTICAL	peak	
3 4482.150	44.27	34.12	4.62	37.44	45.57	68.20	-22.63	VERTICAL	peak	
4 8840.473	44.80	37.30	6.54	37.17	51.47	68.20	-16.73	VERTICAL	peak	
5 11220.000	42.40	40.36	7.56	36.96	53.36	74.00	-20.64	VERTICAL	peak	
6 16830.000	38.43	40.78	9.41	36.43	52.19	68.20	-16.01	VERTICAL	peak	

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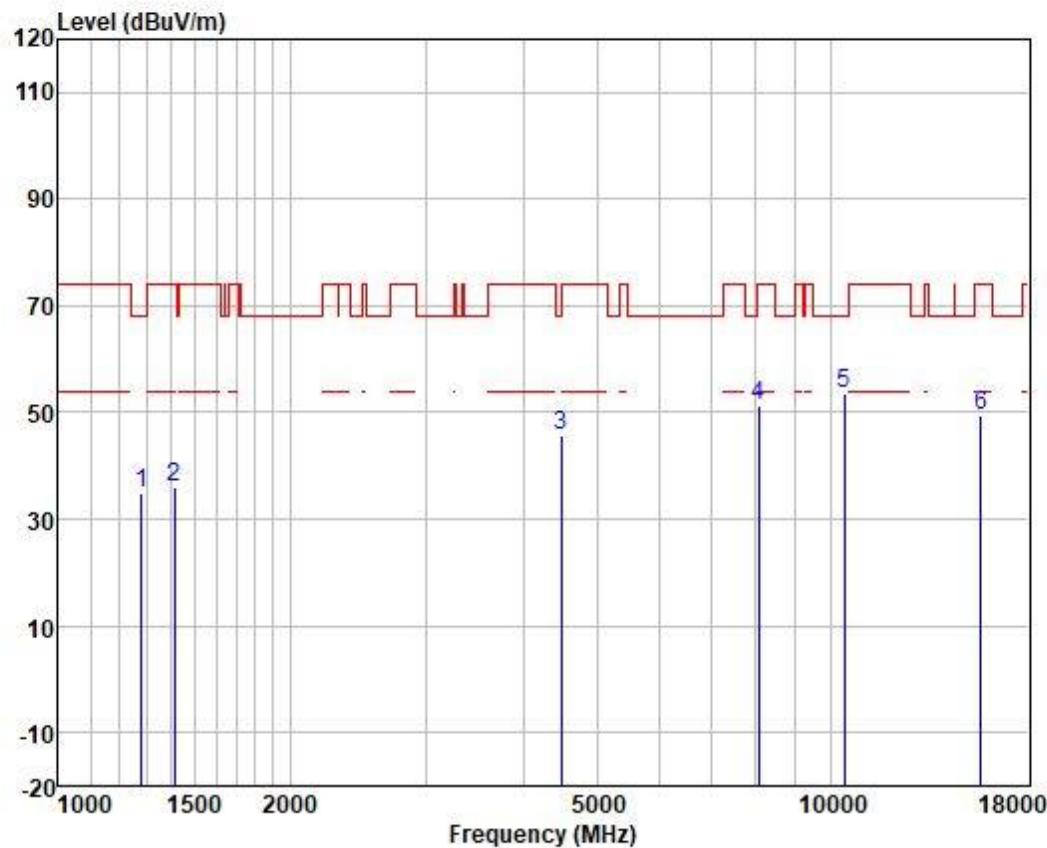
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



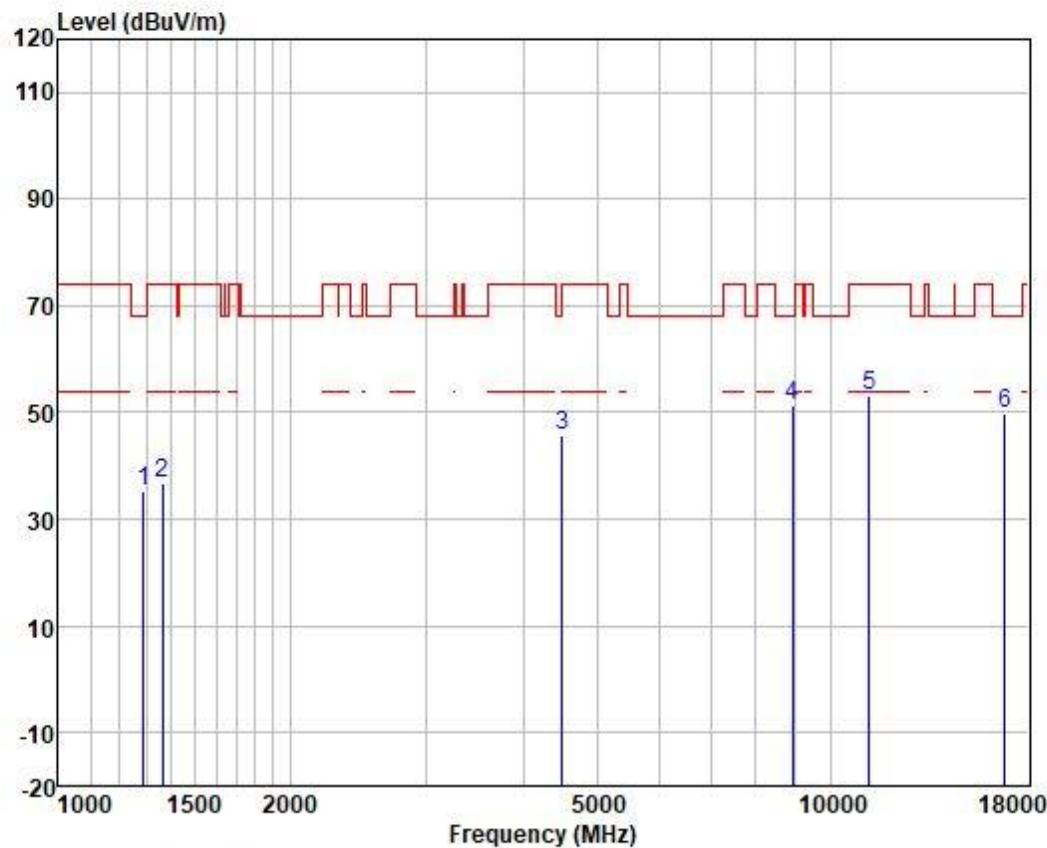
Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	Level	Factor	Loss	Factor	Level	Line				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1 1282.193	47.13	23.89	2.57	38.60	34.99	68.20	-33.21	HORIZONTAL	peak	
2 1414.597	47.42	24.29	2.67	38.47	35.91	74.00	-38.09	HORIZONTAL	peak	
3 4482.150	44.49	34.12	4.62	37.44	45.79	68.20	-22.41	HORIZONTAL	peak	
4 8082.804	45.20	37.04	6.24	37.20	51.28	74.00	-22.72	HORIZONTAL	peak	
5 10440.000	43.67	39.79	7.26	37.08	53.64	68.20	-14.56	HORIZONTAL	peak	
6 15660.000	38.43	38.01	9.34	36.49	49.29	74.00	-24.71	HORIZONTAL	peak	



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



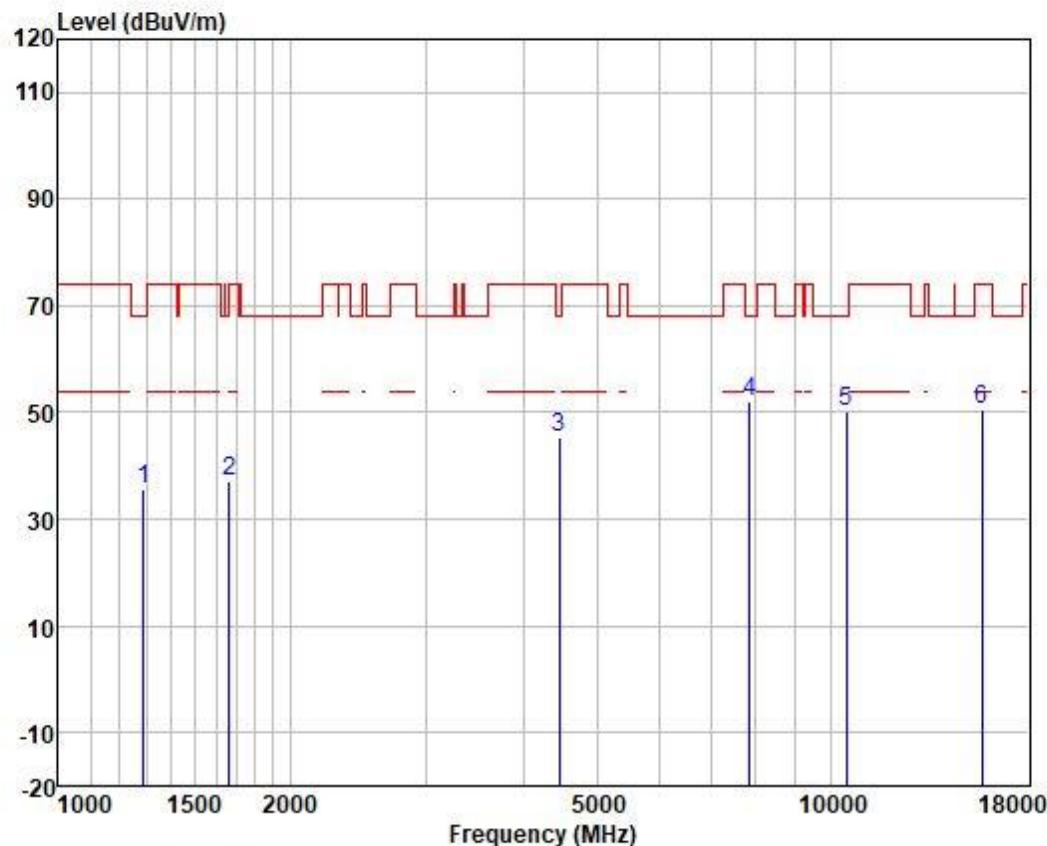
Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	Level	Factor	Loss	Factor	Level	Line				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1289.627	47.29	23.92	2.58	38.60	35.19	68.20	-33.01	HORIZONTAL	peak
2	1366.374	48.50	24.18	2.64	38.51	36.81	74.00	-37.19	HORIZONTAL	peak
3	4495.125	44.34	34.17	4.62	37.44	45.69	68.20	-22.51	HORIZONTAL	peak
4	8943.274	44.39	37.50	6.56	37.16	51.29	68.20	-16.91	HORIZONTAL	peak
5	11220.000	42.20	40.36	7.56	36.96	53.16	74.00	-20.84	HORIZONTAL	peak
6	16830.000	36.05	40.78	9.41	36.43	49.81	68.20	-18.39	HORIZONTAL	peak



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Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



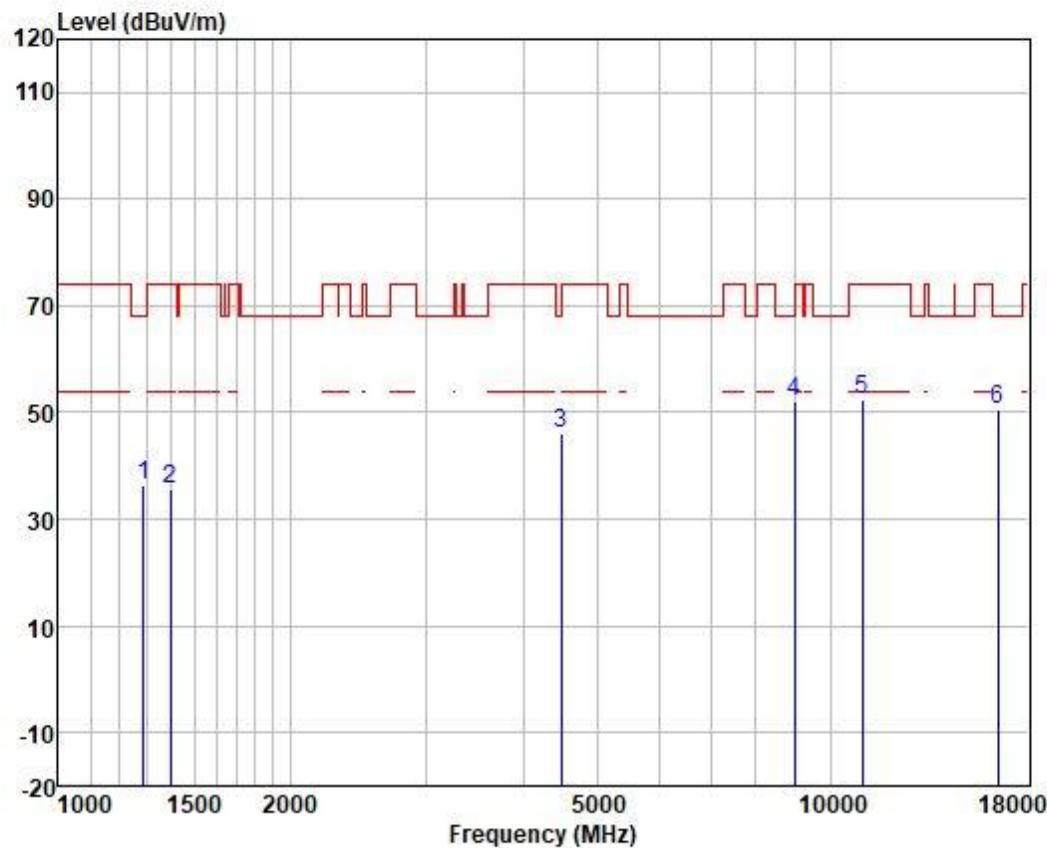
Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	MHz	Level	Factor	Loss	Factor	Level				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1289.627	47.84	23.92	2.58	38.60	35.74	68.20	-32.46	VERTICAL	peak
2	1663.137	47.36	24.93	2.81	38.06	37.04	74.00	-36.96	VERTICAL	peak
3	4456.315	44.29	34.00	4.61	37.45	45.45	68.20	-22.75	VERTICAL	peak
4	7852.524	45.94	36.98	6.16	37.20	51.88	68.20	-16.32	VERTICAL	peak
5	10480.000	40.21	39.84	7.26	37.07	50.24	68.20	-17.96	VERTICAL	peak
6	15720.000	39.92	37.89	9.38	36.49	50.70	74.00	-23.30	VERTICAL	peak

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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	MHz	Level	Factor	Loss	Factor	Level				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1289.627	48.57	23.92	2.58	38.60	36.47	68.20	-31.73	VERTICAL	peak
2	1398.336	47.35	24.26	2.66	38.49	35.78	74.00	-38.22	VERTICAL	peak
3	4482.150	44.87	34.12	4.62	37.44	46.17	68.20	-22.03	VERTICAL	peak
4	8995.123	45.02	37.59	6.57	37.15	52.03	68.20	-16.17	VERTICAL	peak
5	11000.000	41.51	40.42	7.52	37.00	52.45	74.00	-21.55	VERTICAL	peak
6	16500.000	38.99	38.70	9.34	36.45	50.58	68.20	-17.62	VERTICAL	peak

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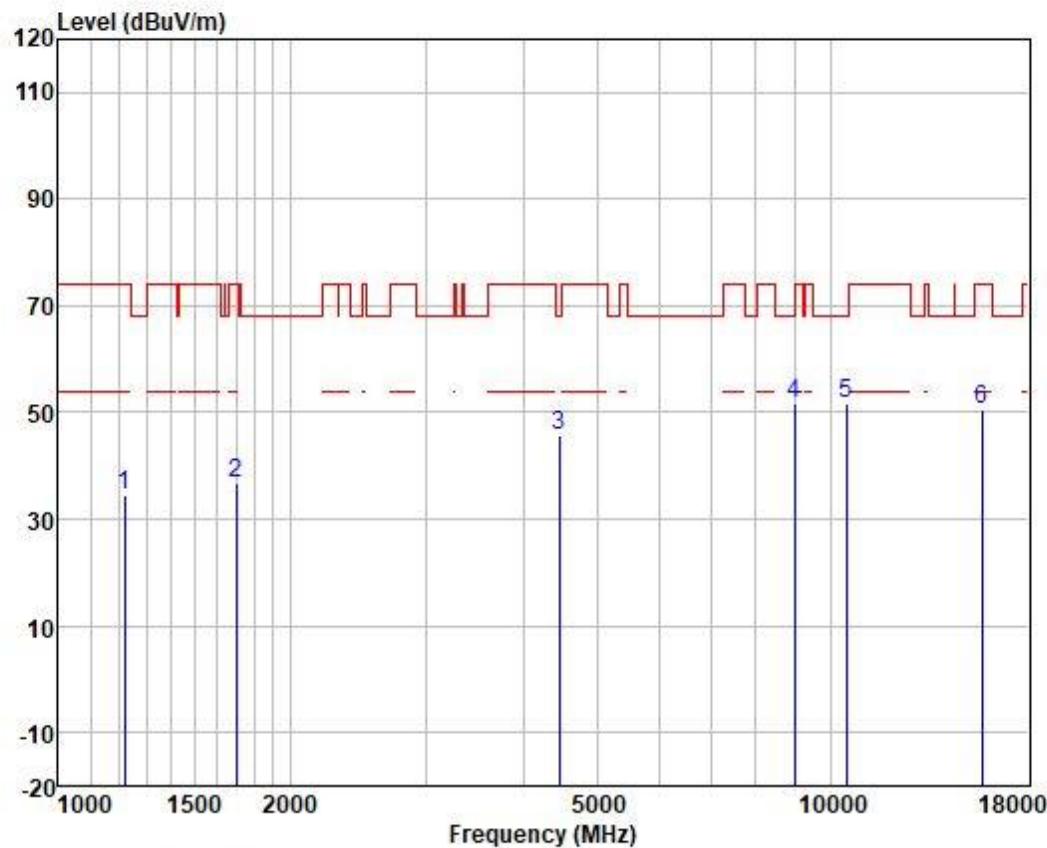
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Freq	ReadAntenna		Cable Preamp		Limit Line	Over Limit	Pol/Phase	Remark
	MHz	Level	Antenna Factor	Cable Loss				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	1217.190	47.25	23.34	2.43	38.66	34.36	74.00	-39.64 HORIZONTAL peak
2	1702.042	46.66	25.15	2.85	38.03	36.63	74.00	-37.37 HORIZONTAL peak
3	4456.315	44.46	34.00	4.61	37.45	45.62	68.20	-22.58 HORIZONTAL peak
4	8995.123	44.60	37.59	6.57	37.15	51.61	68.20	-16.59 HORIZONTAL peak
5	10480.000	41.70	39.84	7.26	37.07	51.73	68.20	-16.47 HORIZONTAL peak
6	15720.000	39.87	37.89	9.38	36.49	50.65	74.00	-23.35 HORIZONTAL peak

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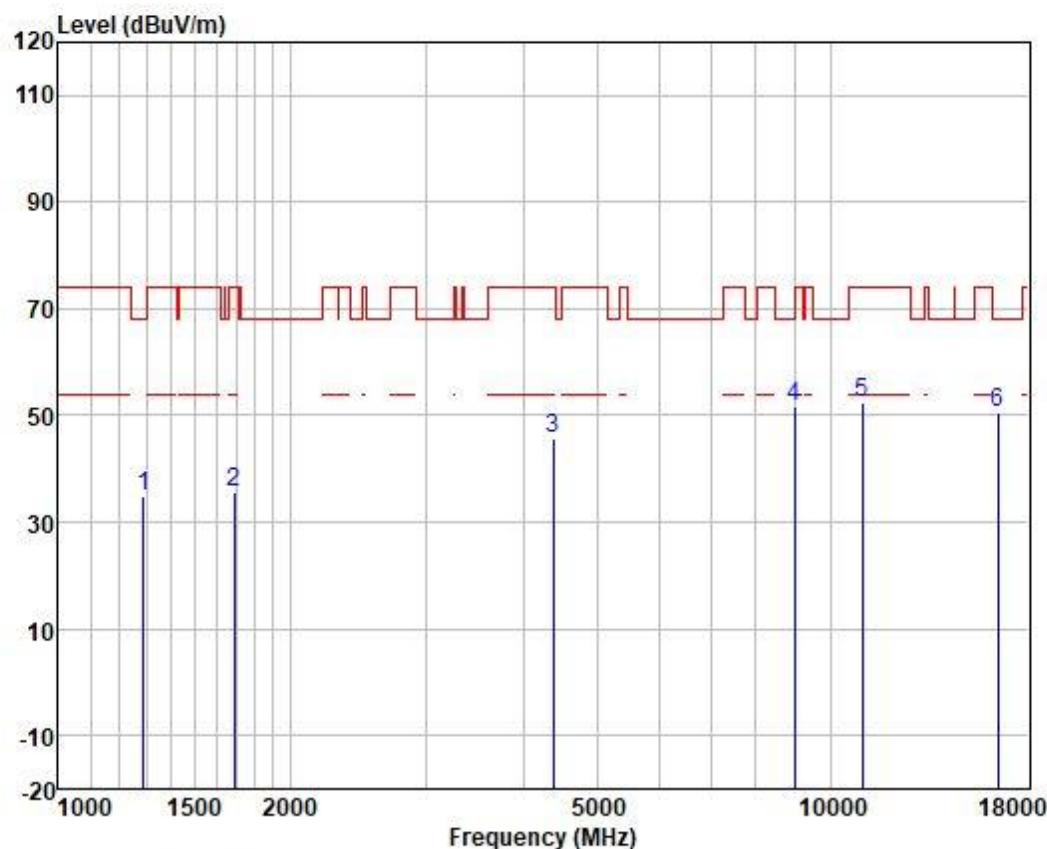
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



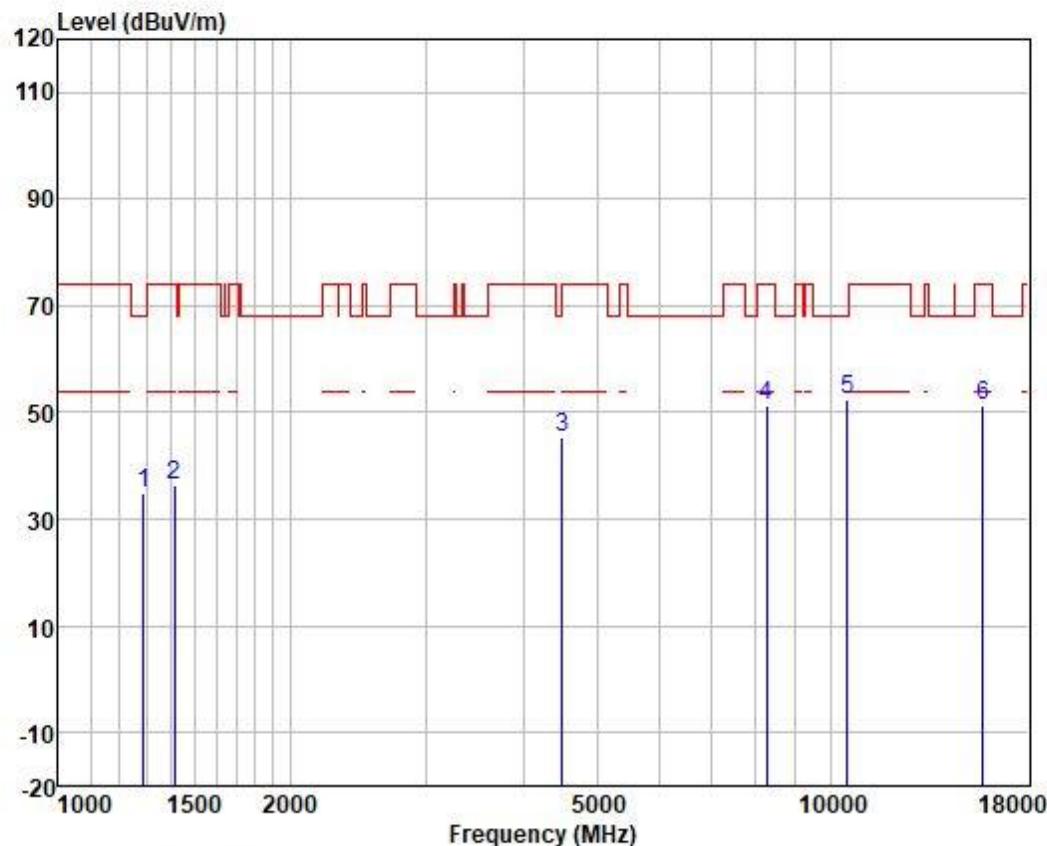
Freq	ReadAntenna		Cable Preamp		Limit Line	Over Limit	Pol/Phase	Remark
	MHz	Level	Antenna Factor	Cable Loss				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	1289.627	46.93	23.92	2.58	38.60	34.83	68.20	-33.37 HORIZONTAL peak
2	1692.231	45.66	25.09	2.84	38.03	35.56	74.00	-38.44 HORIZONTAL peak
3	4379.699	44.90	33.59	4.60	37.46	45.63	74.00	-28.37 HORIZONTAL peak
4	8995.123	44.77	37.59	6.57	37.15	51.78	68.20	-16.42 HORIZONTAL peak
5	11000.000	41.47	40.42	7.52	37.00	52.41	74.00	-21.59 HORIZONTAL peak
6	16500.000	39.02	38.70	9.34	36.45	50.61	68.20	-17.59 HORIZONTAL peak



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



Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	Level	Factor	Loss	Factor	Level	Line				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1 1289.627	47.13	23.92	2.58	38.60	35.03	68.20	-33.17	VERTICAL	peak	
2 1414.597	47.79	24.29	2.67	38.47	36.28	74.00	-37.72	VERTICAL	peak	
3 4495.125	43.84	34.17	4.62	37.44	45.19	68.20	-23.01	VERTICAL	peak	
4 8271.880	45.45	36.75	6.35	37.19	51.36	74.00	-22.64	VERTICAL	peak	
5 10520.000	42.18	39.88	7.26	37.07	52.25	68.20	-15.95	VERTICAL	peak	
6 15780.000	40.73	37.75	9.41	36.49	51.40	74.00	-22.60	VERTICAL	peak	

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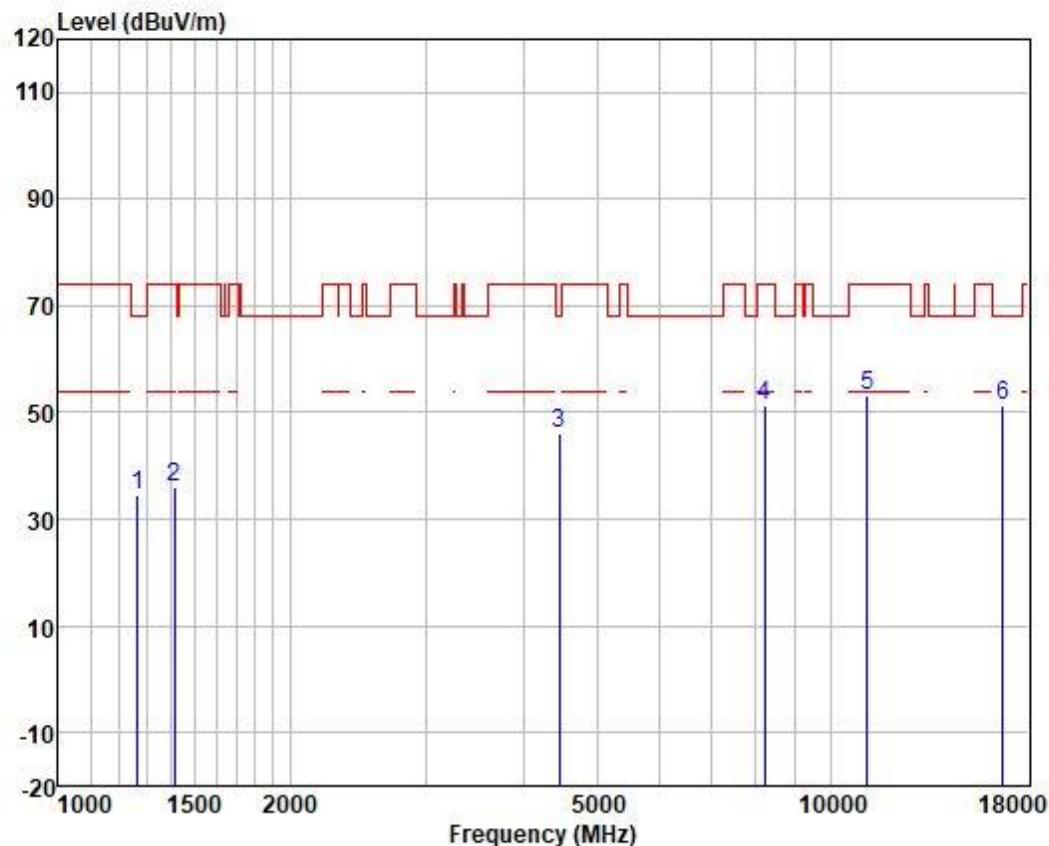
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



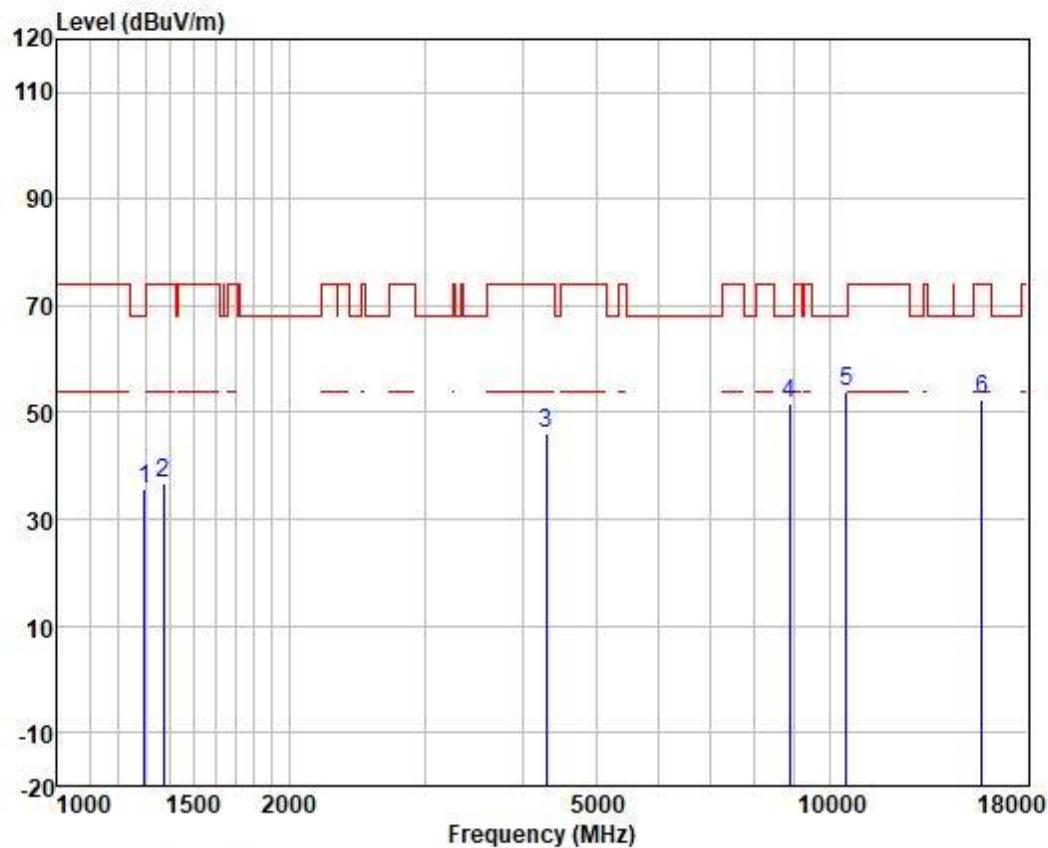
Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	MHz	Level	Factor	Loss	Factor	Level				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1267.454	46.65	23.81	2.55	38.62	34.39	68.20	-33.81	VERTICAL	peak
2	1414.597	47.67	24.29	2.67	38.47	36.16	74.00	-37.84	VERTICAL	peak
3	4456.315	44.98	34.00	4.61	37.45	46.14	68.20	-22.06	VERTICAL	peak
4	8224.200	45.38	36.84	6.32	37.19	51.35	74.00	-22.65	VERTICAL	peak
5	11160.000	42.13	40.37	7.55	36.96	53.09	74.00	-20.91	VERTICAL	peak
6	16740.000	38.09	40.14	9.39	36.43	51.19	68.20	-17.01	VERTICAL	peak



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



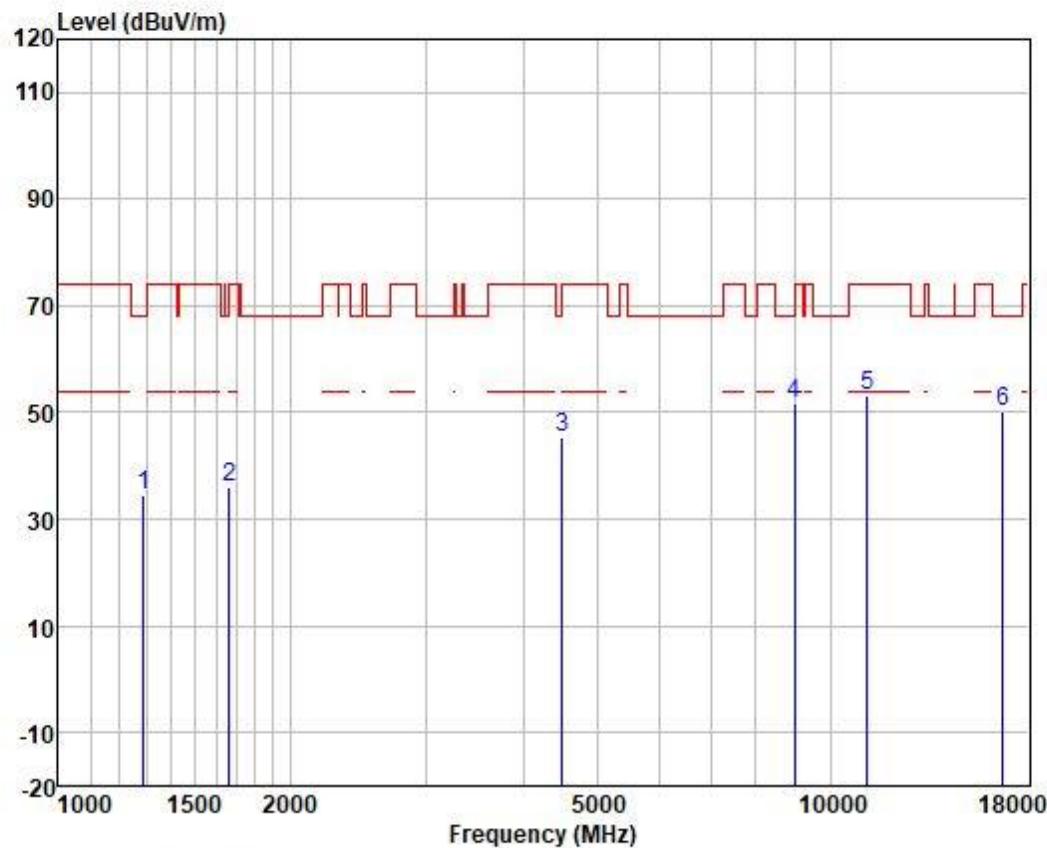
Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	Level	Factor	Loss	Factor	Level	Line				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1 1297.103	47.66	23.96	2.58	38.60	35.60	68.20	-32.60	HORIZONTAL	peak	
2 1374.295	48.51	24.20	2.64	38.51	36.84	74.00	-37.16	HORIZONTAL	peak	
3 4304.400	46.02	33.05	4.58	37.47	46.18	74.00	-27.82	HORIZONTAL	peak	
4 8891.725	44.70	37.41	6.55	37.16	51.50	68.20	-16.70	HORIZONTAL	peak	
5 10520.000	43.84	39.88	7.26	37.07	53.91	68.20	-14.29	HORIZONTAL	peak	
6 15780.000	41.62	37.75	9.41	36.49	52.29	74.00	-21.71	HORIZONTAL	peak	



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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



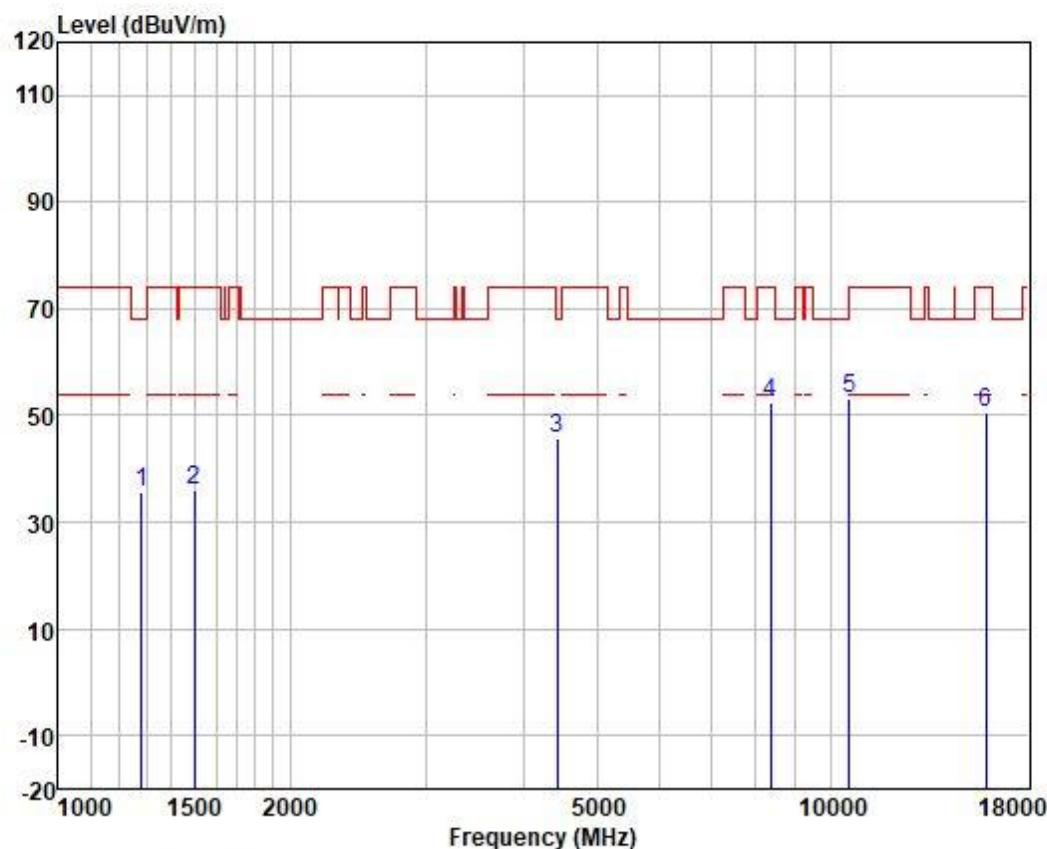
Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	Level	Factor	Loss	Factor	Level	Line				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1 1289.627	46.52	23.92	2.58	38.60	34.42	68.20	-33.78	HORIZONTAL	peak	
2 1663.137	46.13	24.93	2.81	38.06	35.81	74.00	-38.19	HORIZONTAL	peak	
3 4495.125	44.10	34.17	4.62	37.44	45.45	68.20	-22.75	HORIZONTAL	peak	
4 8995.123	44.58	37.59	6.57	37.15	51.59	68.20	-16.61	HORIZONTAL	peak	
5 11160.000	42.14	40.37	7.55	36.96	53.10	74.00	-20.90	HORIZONTAL	peak	
6 16740.000	37.24	40.14	9.39	36.43	50.34	68.20	-17.86	HORIZONTAL	peak	



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



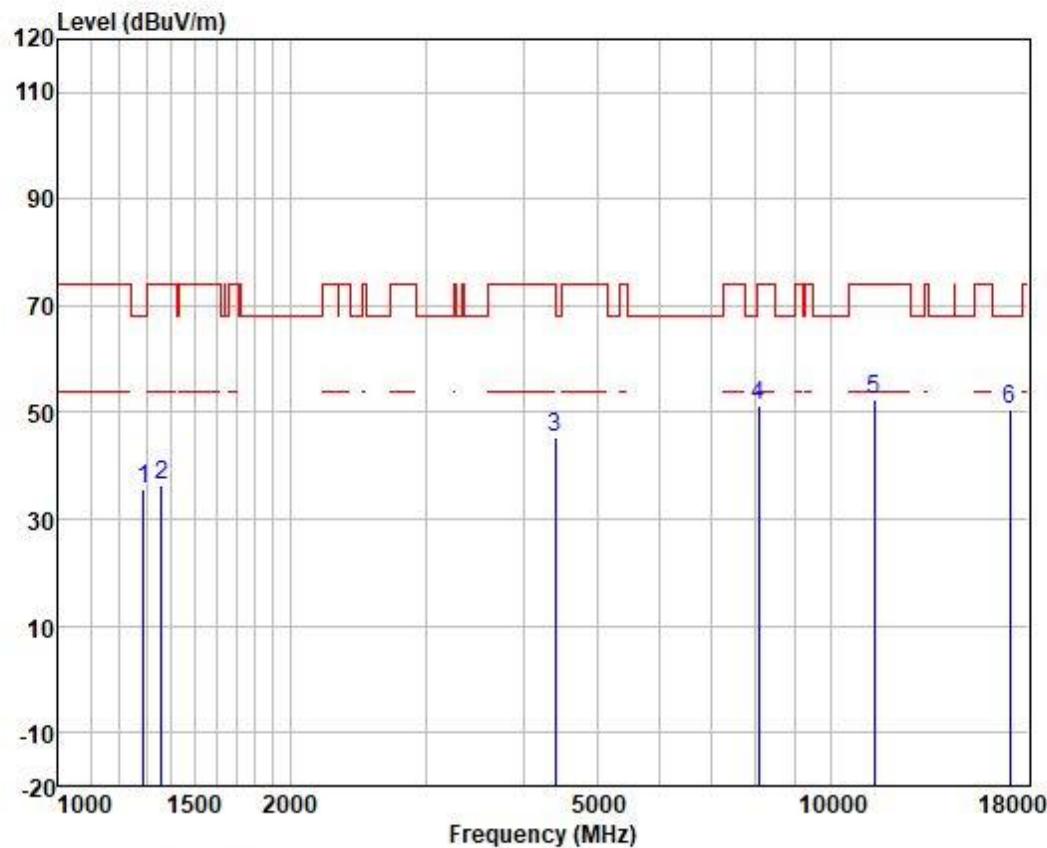
Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	MHz	Level	Antenna	Loss	Factor	Level	Line	Line	Pol/Phase	Remark
	MHz	dBuV	dB/m		dB	dBuV/m	dBuV/m		dB	
1	1282.193	47.66	23.89	2.57	38.60	35.52	68.20	-32.68	VERTICAL	peak
2	1498.781	47.32	24.43	2.70	38.33	36.12	74.00	-37.88	VERTICAL	peak
3	4430.628	44.68	33.87	4.61	37.45	45.71	68.20	-22.49	VERTICAL	peak
4	8368.069	46.49	36.60	6.41	37.19	52.31	74.00	-21.69	VERTICAL	peak
5	10600.000	43.04	39.96	7.30	37.06	53.24	68.20	-14.96	VERTICAL	peak
6	15900.000	40.34	37.32	9.52	36.48	50.70	74.00	-23.30	VERTICAL	peak



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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Freq	ReadAntenna		Cable Preamp		Limit Line	Over Limit	Pol/Phase	Remark
	MHz	Level	Antenna Factor	Cable Loss				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	1289.627	47.88	23.92	2.58	38.60	35.78	68.20	-32.42 VERTICAL peak
2	1358.498	48.06	24.16	2.63	38.53	36.32	74.00	-37.68 VERTICAL peak
3	4405.090	44.39	33.74	4.61	37.46	45.28	68.20	-22.92 VERTICAL peak
4	8082.804	45.18	37.04	6.24	37.20	51.26	74.00	-22.74 VERTICAL peak
5	11400.000	41.55	40.28	7.61	36.94	52.50	74.00	-21.50 VERTICAL peak
6	17100.000	35.74	41.90	9.45	36.42	50.67	68.20	-17.53 VERTICAL peak

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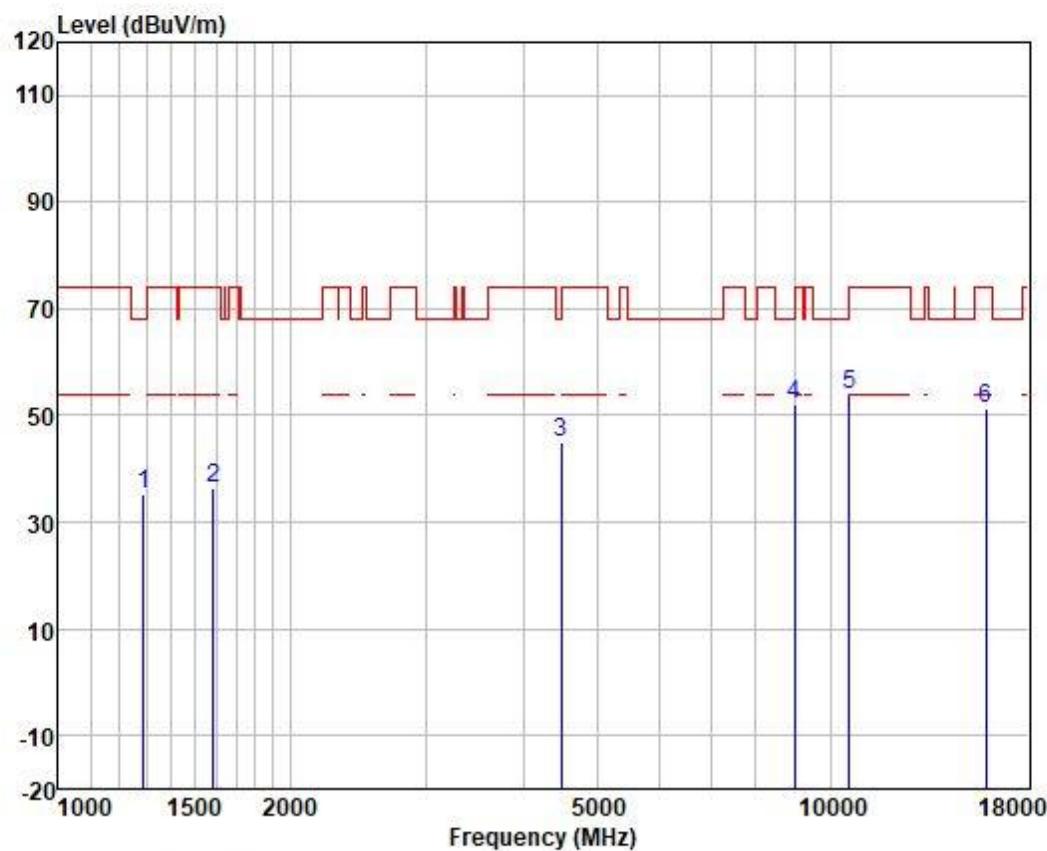
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



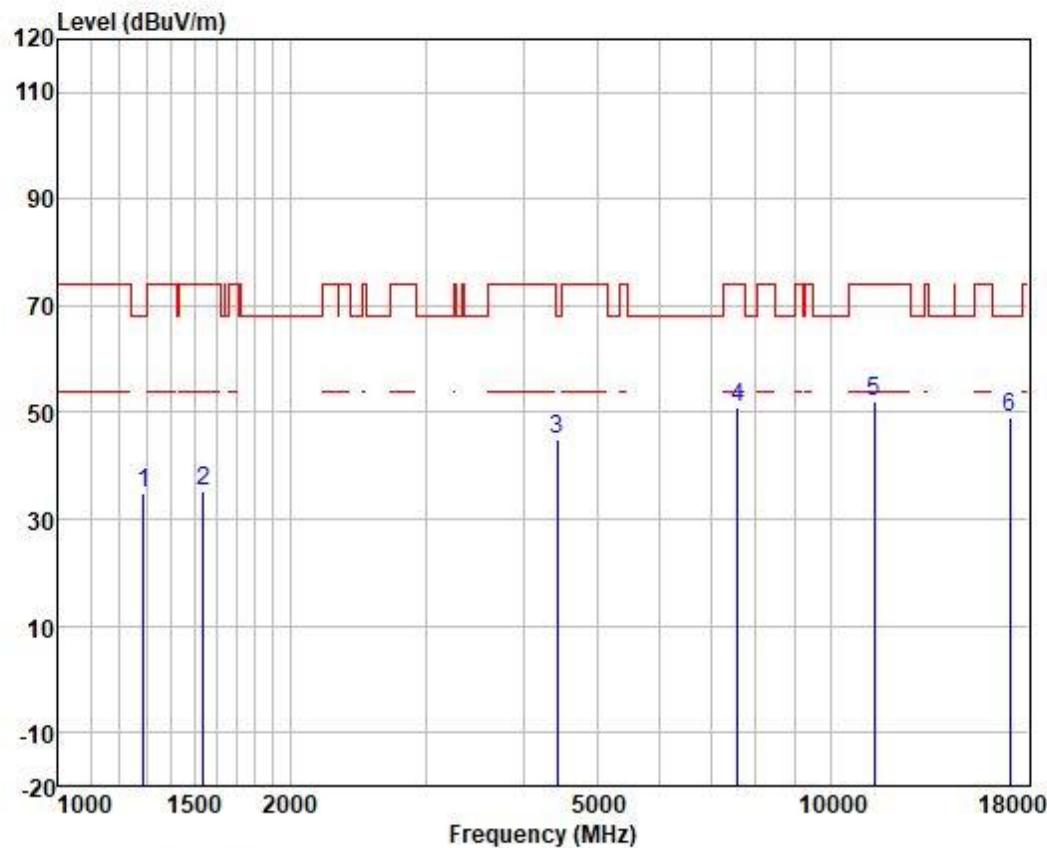
Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	MHz	Level	Factor	Loss	Factor	Level	Line	Line	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1289.627	47.18	23.92	2.58	38.60	35.08	68.20	-33.12	HORIZONTAL	peak
2	1587.975	47.04	24.65	2.75	38.15	36.29	74.00	-37.71	HORIZONTAL	peak
3	4482.150	43.64	34.12	4.62	37.44	44.94	68.20	-23.26	HORIZONTAL	peak
4	8995.123	44.96	37.59	6.57	37.15	51.97	68.20	-16.23	HORIZONTAL	peak
5	10600.000	43.71	39.96	7.30	37.06	53.91	68.20	-14.29	HORIZONTAL	peak
6	15900.000	40.87	37.32	9.52	36.48	51.23	74.00	-22.77	HORIZONTAL	peak



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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



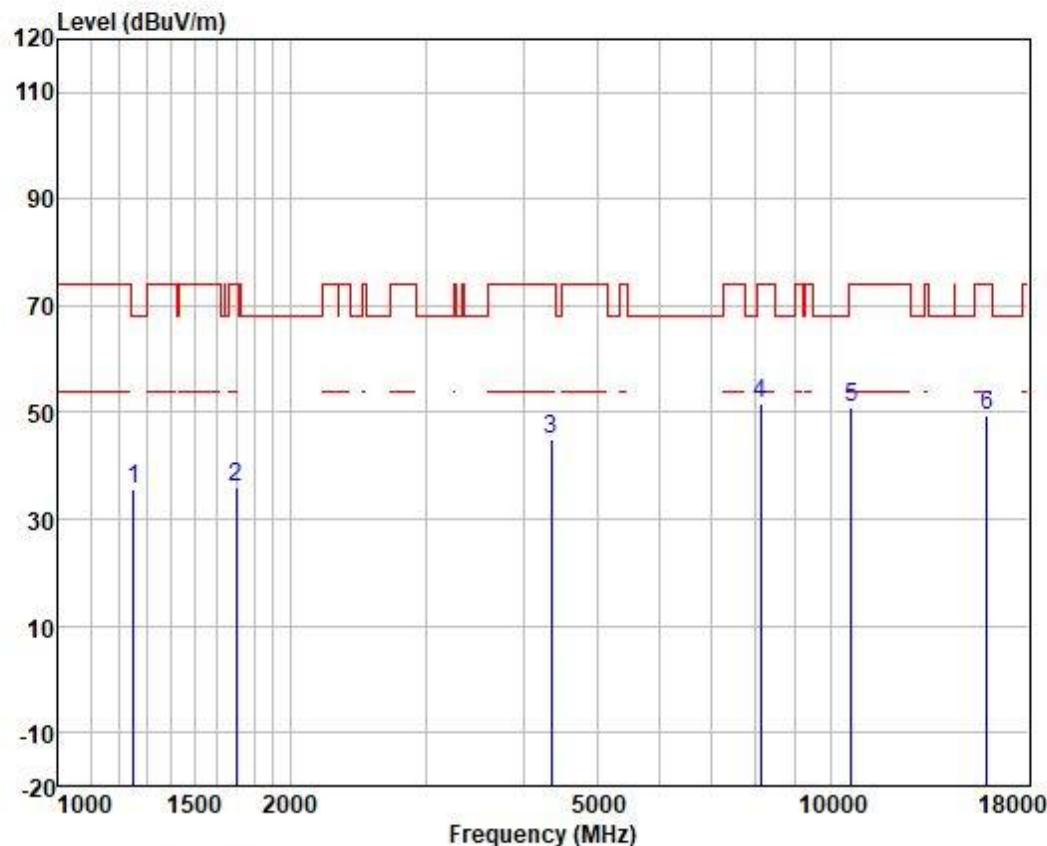
Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	Level	Factor	Loss	Factor	Level	Line				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1289.627	47.15	23.92	2.58	38.60	35.05	68.20	-33.15	HORIZONTAL	peak
2	1542.733	46.39	24.53	2.72	38.23	35.41	74.00	-38.59	HORIZONTAL	peak
3	4430.628	43.88	33.87	4.61	37.45	44.91	68.20	-23.29	HORIZONTAL	peak
4	7584.833	45.61	36.55	6.05	37.19	51.02	74.00	-22.98	HORIZONTAL	peak
5	11400.000	41.24	40.28	7.61	36.94	52.19	74.00	-21.81	HORIZONTAL	peak
6	17100.000	34.13	41.90	9.45	36.42	49.06	68.20	-19.14	HORIZONTAL	peak



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



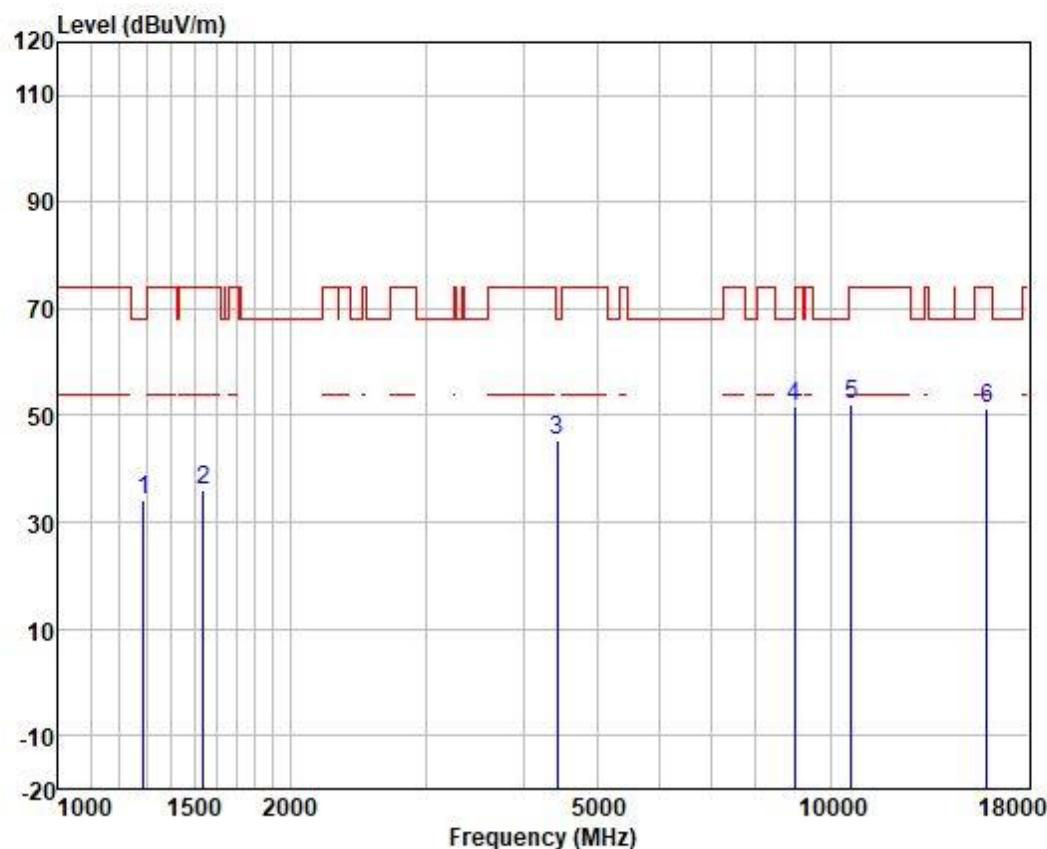
Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	Level	Factor	Loss	Factor	Level	Line				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1 1252.885	47.98	23.71	2.52	38.63	35.58	68.20	-32.62	VERTICAL	peak	
2 1702.042	46.10	25.15	2.85	38.03	36.07	74.00	-37.93	VERTICAL	peak	
3 4354.454	44.37	33.43	4.60	37.46	44.94	74.00	-29.06	VERTICAL	peak	
4 8129.664	45.70	36.99	6.26	37.20	51.75	74.00	-22.25	VERTICAL	peak	
5 10640.000	40.51	40.00	7.32	37.06	50.77	74.00	-23.23	VERTICAL	peak	
6 15960.000	39.34	37.20	9.55	36.48	49.61	74.00	-24.39	VERTICAL	peak	



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



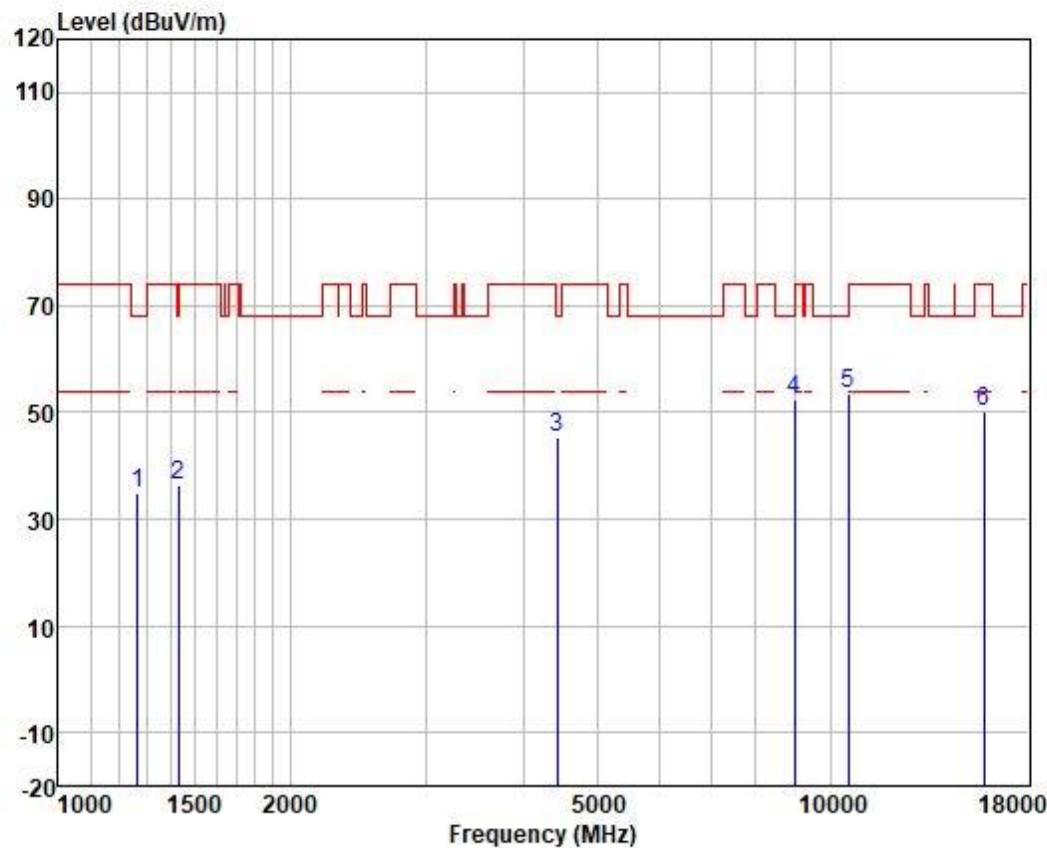
Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	MHz	Level	Factor	Loss	Factor	Level				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1289.627	46.30	23.92	2.58	38.60	34.20	68.20	-34.00	HORIZONTAL	peak
2	1542.733	47.15	24.53	2.72	38.23	36.17	74.00	-37.83	HORIZONTAL	peak
3	4430.628	44.42	33.87	4.61	37.45	45.45	68.20	-22.75	HORIZONTAL	peak
4	8995.123	44.55	37.59	6.57	37.15	51.56	68.20	-16.64	HORIZONTAL	peak
5	10640.000	41.80	40.00	7.32	37.06	52.06	74.00	-21.94	HORIZONTAL	peak
6	15960.000	41.03	37.20	9.55	36.48	51.30	74.00	-22.70	HORIZONTAL	peak



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



Freq	ReadAntenna		Cable		Preamp		Limit Line	Over Limit	Over Pol/Phase	Remark
	Level	Factor	Loss	Factor	Level	dBuV/m	dBuV/m	dB		
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1 1267.454	47.30	23.81	2.55	38.62	35.04	68.20	-33.16	VERTICAL	peak	
2 1431.047	47.67	24.32	2.67	38.45	36.21	68.20	-31.99	VERTICAL	peak	
3 4430.628	44.16	33.87	4.61	37.45	45.19	68.20	-23.01	VERTICAL	peak	
4 8995.123	45.42	37.59	6.57	37.15	52.43	68.20	-15.77	VERTICAL	peak	
5 10540.000	43.48	39.91	7.27	37.07	53.59	68.20	-14.61	VERTICAL	peak	
6 15810.000	39.80	37.60	9.45	36.49	50.36	74.00	-23.64	VERTICAL	peak	

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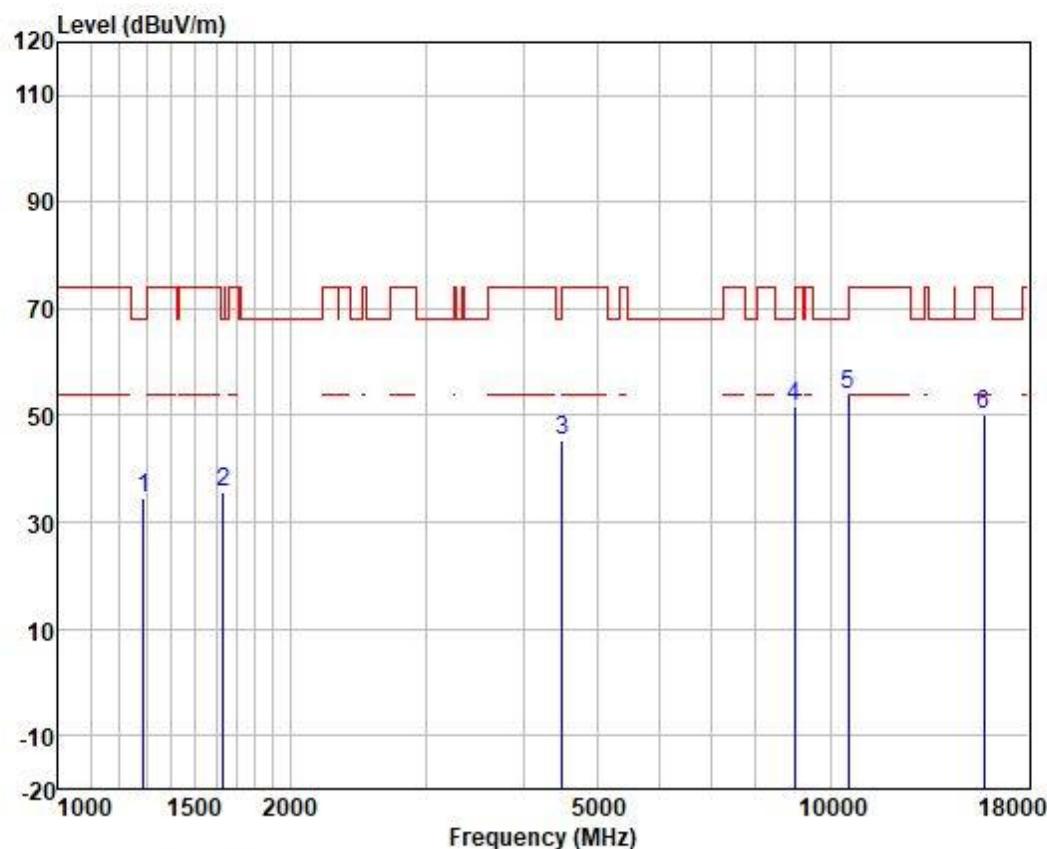
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	MHz	Level	Factor	Loss	Factor	Level				
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1289.627	46.62	23.92	2.58	38.60	34.52	68.20	-33.68	HORIZONTAL	peak
2	1634.543	46.13	24.81	2.78	38.11	35.61	68.20	-32.59	HORIZONTAL	peak
3	4495.125	44.02	34.17	4.62	37.44	45.37	68.20	-22.83	HORIZONTAL	peak
4	8995.123	44.70	37.59	6.57	37.15	51.71	68.20	-16.49	HORIZONTAL	peak
5	10540.000	43.62	39.91	7.27	37.07	53.73	68.20	-14.47	HORIZONTAL	peak
6	15810.000	39.54	37.60	9.45	36.49	50.10	74.00	-23.90	HORIZONTAL	peak

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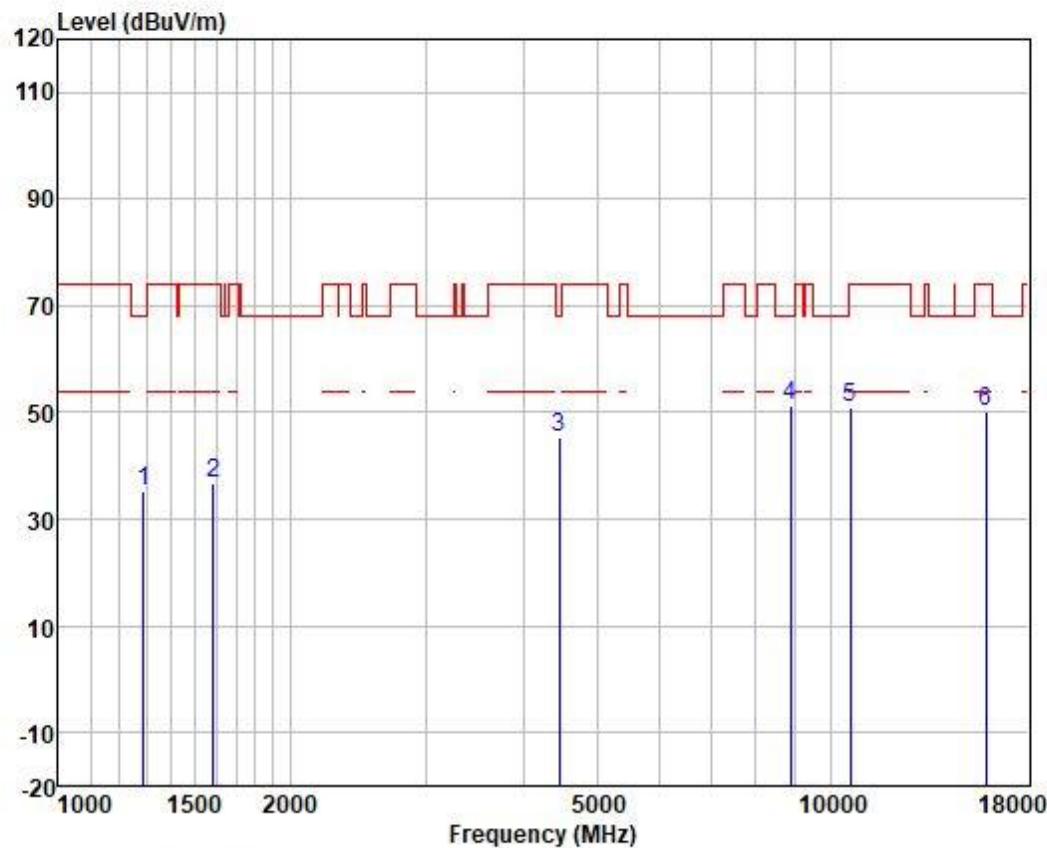
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Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	Level	Factor	Loss	Factor	Level	Line				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1 1289.627	47.30	23.92	2.58	38.60	35.20	68.20	-33.00	VERTICAL	peak	
2 1587.975	47.32	24.65	2.75	38.15	36.57	74.00	-37.43	VERTICAL	peak	
3 4456.315	44.06	34.00	4.61	37.45	45.22	68.20	-22.98	VERTICAL	peak	
4 8891.725	44.48	37.41	6.55	37.16	51.28	68.20	-16.92	VERTICAL	peak	
5 10620.000	40.85	39.96	7.30	37.06	51.05	74.00	-22.95	VERTICAL	peak	
6 15930.000	39.86	37.20	9.55	36.48	50.13	74.00	-23.87	VERTICAL	peak	

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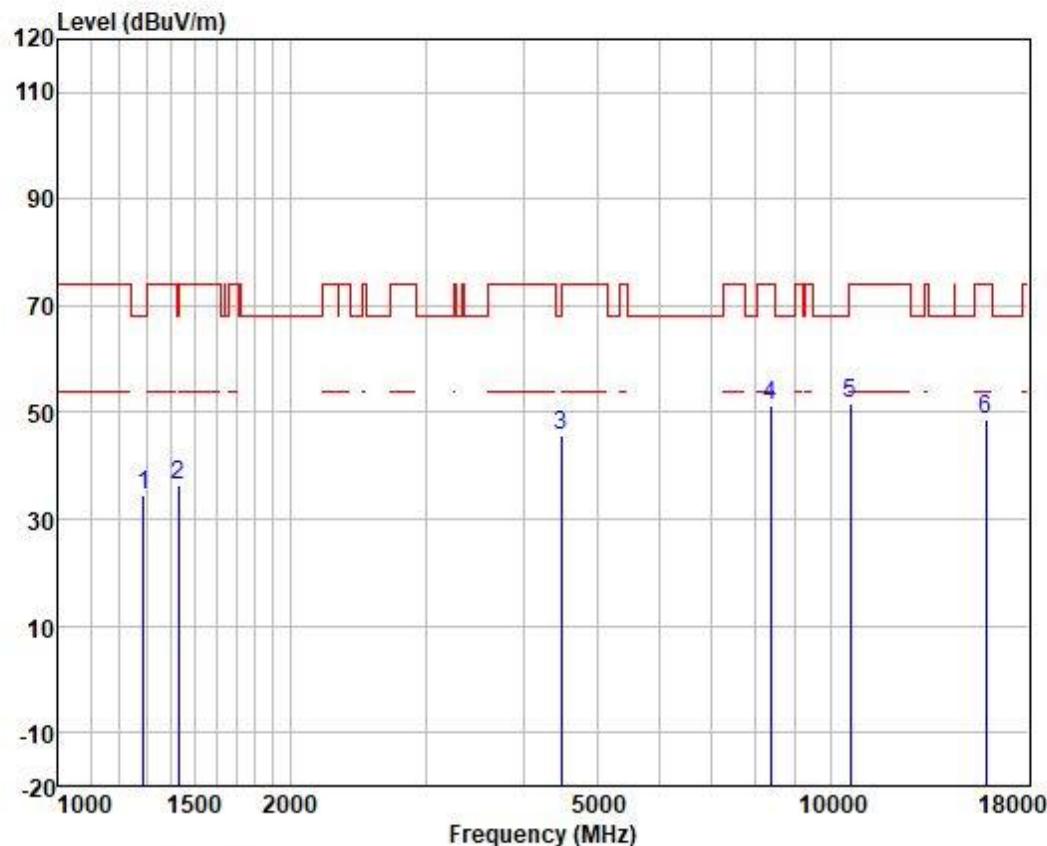
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



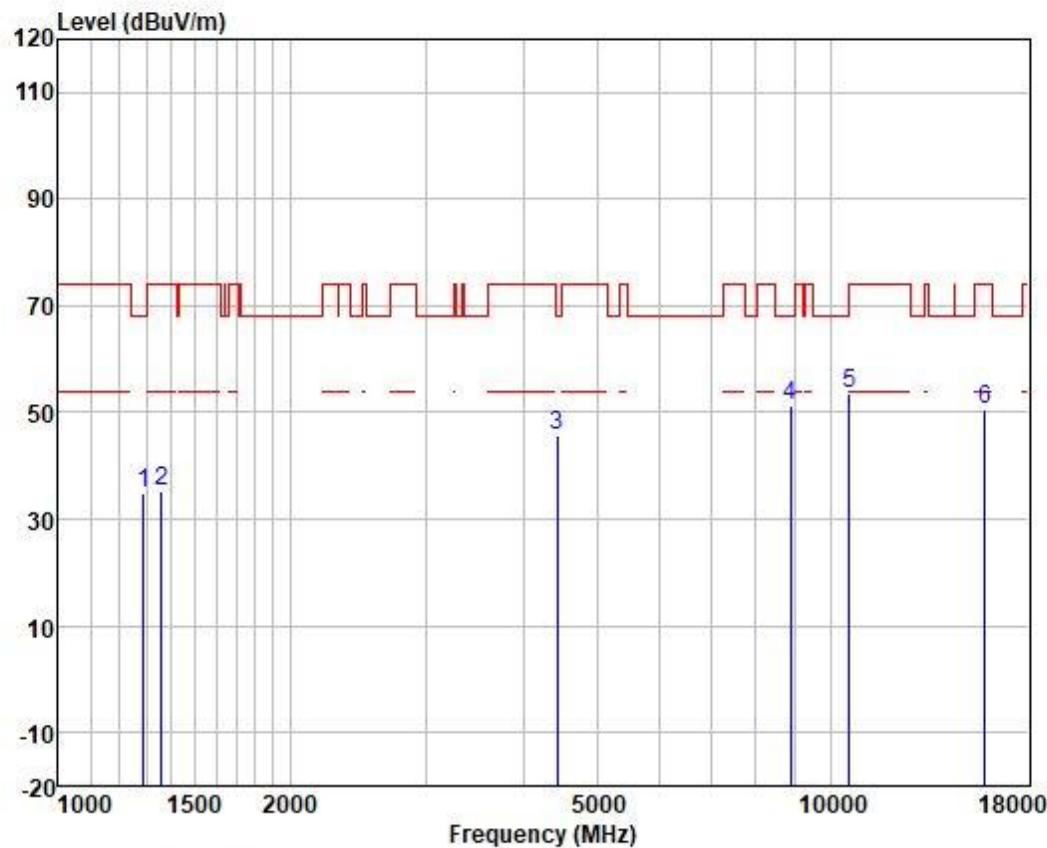
Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	Level	Factor	Loss	Factor	Level	Line				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1 1289.627	46.60	23.92	2.58	38.60	34.50	68.20	-33.70	HORIZONTAL	peak	
2 1431.047	47.70	24.32	2.67	38.45	36.24	68.20	-31.96	HORIZONTAL	peak	
3 4482.150	44.50	34.12	4.62	37.44	45.80	68.20	-22.40	HORIZONTAL	peak	
4 8368.069	45.66	36.60	6.41	37.19	51.48	74.00	-22.52	HORIZONTAL	peak	
5 10620.000	41.57	39.96	7.30	37.06	51.77	74.00	-22.23	HORIZONTAL	peak	
6 15930.000	38.38	37.20	9.55	36.48	48.65	74.00	-25.35	HORIZONTAL	peak	



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



Freq	ReadAntenna		Cable		Preamp		Limit	Over	Over	Remark
	Level	Factor	Loss	Factor	Level	Line				
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB			
1 1289.627	47.05	23.92	2.58	38.60	34.95	68.20	-33.25	VERTICAL	peak	
2 1358.498	46.97	24.16	2.63	38.53	35.23	74.00	-38.77	VERTICAL	peak	
3 4430.628	44.50	33.87	4.61	37.45	45.53	68.20	-22.67	VERTICAL	peak	
4 8891.725	44.64	37.41	6.55	37.16	51.44	68.20	-16.76	VERTICAL	peak	
5 10580.000	43.32	39.93	7.29	37.06	53.48	68.20	-14.72	VERTICAL	peak	
6 15870.000	40.05	37.46	9.49	36.48	50.52	74.00	-23.48	VERTICAL	peak	



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