

# TEST REPORT

**Application No.:** GZCR2309000966AT  
**Applicant:** DOREL JUVENILE GROUP  
**Address of Applicant:** 2525 State Street Columbus Indiana United States  
**Manufacturer:** DOREL JUVENILE GROUP  
**Address of Manufacturer:** 2525 State Street Columbus Indiana United States  
**Factory:** Hangzhou Meari Technology Co., Ltd  
**Address of Factory:** Room 604-605, Building 1, No.768 Jianghong Road, Changhe street, Binjiang District, Hangzhou City, Zhejiang, China

### Equipment Under Test (EUT):

**EUT Name:** See Pro 360° Baby Monitor (Camera unit)  
**Model No.:** MO183  
**Trade Mark:** MAXI-COSI  
**Standard(s) :** 47 CFR Part 15, Subpart E 15.407  
**Date of Receipt:** 2023-09-18  
**Date of Test:** 2023-09-22 to 2023-10-13  
**Date of Issue:** 2023-11-07

<b>Test Result:</b>	<b>Pass*</b>
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\* In the configuration tested, the EUT complied with the standards specified above.

*Ricky Liu*

Ricky Liu  
Manager



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Revision Record			
Version	Report No.	Date	Remark
01	GZCR230900096604	2023-11-07	Original

Authorized for issue by			
		Kevin Zhang	
		Kevin Zhang/Project Engineer	
		Vico Cui	
		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
Duty Cycle		KDB 789033 II B 1	KDB 789033 D02 II B 1	Pass
99% Bandwidth		KDB 789033 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
Maximum Conducted output power		KDB 789033 D02 II E	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Peak Power spectrum density		KDB 789033 D02 II F	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
Frequency Stability		ANSI C63.10 (2013) Section 6.8	47 CFR Part 15, Subpart E 15.407 (g)	Pass
Transmitter Power Control		KDB 789033 D02 II E	47 CFR Part 15, Subpart E 15.407 (h)(1)	N/A

**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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### 3 Contents

	Page
1 Cover Page .....	1
2 Test Summary .....	3
3 Contents .....	4
4 General Information.....	6
4.1 Details of E.U.T. ....	6
4.2 Description of Support Units .....	6
4.3 Measurement Uncertainty .....	7
4.4 Test Location.....	7
4.5 Test Facility .....	8
4.6 Deviation from Standards.....	8
4.7 Abnormalities from Standard Conditions .....	8
5 Equipment List .....	9
6 Radio Spectrum Technical Requirement .....	13
6.1 Antenna Requirement .....	13
6.1.1 Test Requirement: .....	13
6.1.2 Conclusion .....	13
6.2 Transmission in the Absence of Data .....	14
6.2.1 Test Requirement: .....	14
6.2.2 Conclusion .....	14
7 Radio Spectrum Matter Test Results .....	15
7.1 Conducted Emissions at AC Power Line (150kHz-30MHz).....	15
7.1.1 E.U.T. Operation .....	15
7.1.2 Test Mode Description .....	15
7.1.3 Test Setup Diagram.....	16
7.1.4 Measurement Procedure and Data.....	16
7.2 Duty Cycle.....	19
7.2.1 E.U.T. Operation .....	19
7.2.2 Test Mode Description .....	19
7.2.3 Test Setup Diagram.....	20
7.2.4 Measurement Procedure and Data.....	20
7.3 99% Bandwidth .....	21
7.3.1 E.U.T. Operation .....	21
7.3.2 Test Mode Description .....	21
7.3.3 Test Setup Diagram.....	22
7.3.4 Measurement Procedure and Data.....	22
7.4 26dB Emission bandwidth.....	23
7.4.1 E.U.T. Operation .....	23
7.4.2 Test Mode Description .....	23
7.4.3 Test Setup Diagram.....	24
7.4.4 Measurement Procedure and Data.....	24
7.5 Minimum 6 dB bandwidth (5.725-5.85 GHz band).....	25



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7.5.1	E.U.T. Operation .....	25
7.5.2	Test Mode Description .....	25
7.5.3	Test Setup Diagram .....	25
7.5.4	Measurement Procedure and Data .....	25
7.6	Maximum Conducted output power .....	26
7.6.1	E.U.T. Operation .....	26
7.6.2	Test Mode Description .....	26
7.6.3	Test Setup Diagram .....	27
7.6.4	Measurement Procedure and Data .....	27
7.7	Peak Power spectrum density .....	28
7.7.1	E.U.T. Operation .....	28
7.7.2	Test Mode Description .....	28
7.7.3	Test Setup Diagram .....	29
7.7.4	Measurement Procedure and Data .....	29
7.8	Radiated Emissions (Below 1GHz) .....	30
7.8.1	E.U.T. Operation .....	30
7.8.2	Test Mode Description .....	30
7.8.3	Test Setup Diagram .....	31
7.8.4	Measurement Procedure and Data .....	31
7.9	Radiated Emissions (Above 1GHz) .....	34
7.9.1	E.U.T. Operation .....	34
7.9.2	Test Mode Description .....	35
7.9.3	Test Setup Diagram .....	35
7.9.4	Measurement Procedure and Data .....	36
7.10	Radiated Emissions which fall in the restricted bands .....	61
7.10.1	E.U.T. Operation .....	61
7.10.2	Test Mode Description .....	62
7.10.3	Test Setup Diagram .....	62
7.10.4	Measurement Procedure and Data .....	63
7.11	Frequency Stability .....	80
7.11.1	E.U.T. Operation .....	80
7.11.2	Test Mode Description .....	80
7.11.3	Test Setup Diagram .....	81
7.11.4	Measurement Procedure and Data .....	81
7.12	Transmitter Power Control .....	82
7.12.1	Conclusion .....	82
8	Test Setup Photo .....	83
9	EUT Constructional Details (EUT Photos) .....	84
10	Appendix .....	85



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## 4 General Information

### 4.1 Details of E.U.T.

Power supply: DC 5 V for camera powered by AC/DC adapter as below:  
 Model: TPA-97050100VW01  
 Input: AC 100-240 V, 50/60 Hz, 0.15A  
 Output: DC 5 V, 1 A

Cable(s): Type C input ports with 2m unshielded cables  
 SD card ports

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)

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

Channel Spacing: 802.11a/n 20: 20MHz

DFS Function: Slave without Radar detection

TPC Function: Without TPC function

Antenna Type: Integral Antenna

Antenna Gain: 2.75 dBi

Antenna Number: 1

### 4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Note Book Computer	LENOVO	ThinkPad T490	PF1D1MVJ
Mobile Phone	SAMSUNG	SM-G9508	R28K110W9JV
Wireless Router	MI	R4CM	18970/24772364



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### 4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at AC Power Line (150kHz-30MHz)	± 2.76dB
Duty Cycle	± 0.37%
99% Bandwidth	± 3%
26dB Emission bandwidth	± 3%
Minimum 6 dB bandwidth (5.725-5.85 GHz band )	± 3%
Maximum Conducted output power	± 0.75dB
Peak Power spectrum density	± 2.84dB
Radiated Emissions (Below 1GHz)	±5.00dB (3m); ±4.38dB (10m)
Radiated Emissions (Above 1GHz)	±5.12 dB ( 1GHz-6 GHz); ±5.38 dB (6GHz-18GHz); ±5.61dB (18GHz-40GHz)
Radiated Emissions which fall in the restricted bands	±5.00dB (30MHz-1GHz; 3m);±4.38dB (30MHz-1GHz; 10m);± 5.12dB (1GHz-6GHz);± 5.38dB (6GHz-18GHz);± 5.61dB (18GHz-40GHz)
Frequency Stability	± 7.25 x 10 <sup>-8</sup>
Transmitter Power Control	± 0.75dB
<b>Remark:</b> The U <sub>lab</sub> (lab Uncertainty) is less than U <sub>ETSI</sub> (ETSI Uncertainty), so the test results – compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit; – non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.	

### 4.4 Test Location

All tests were performed at:

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

Tel: +86 20 82155555

Fax: +86 20 82075059

No tests were sub-contracted.



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## 4.5 Test Facility

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

### ● ACMA

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

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

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

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

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

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

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

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

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

### ● CBTL (Lab Code: TL129)

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

## 4.6 Deviation from Standards

None

## 4.7 Abnormalities from Standard Conditions

None



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## 5 Equipment List

Conducted Emissions at AC Power Line (150kHz-30MHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Coaxial Cable	HangTianXing	2m	EMC0107	2023-08-04	2024-08-03
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	2023-09-08	2024-09-07
EMI Test Receiver (9kHz-3.6GHz)	Rohde & Schwarz	ESR3	EMC2221	2023-05-19	2024-05-18
Test Software E3r	Audix	Ver.6.11812	GZE100-77	N/A	N/A

Duty Cycle					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
MI CABLE	SGS-EMC	0.8M	EMC2137	2021-11-02	2023-11-01
EXA Signal Analyzer (10Hz-44GHz)	Keysight	N9010A	EMC2138	2023-08-23	2024-08-22
4X4 Power sensor Unit	TST	TSPS2023R	EMC2226	2023-08-23	2024-08-22
Test Software	TST	V2.0	GZE100-78	N/A	N/A

99% Bandwidth					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
MI CABLE	SGS-EMC	0.8M	EMC2137	2021-11-02	2023-11-01
EXA Signal Analyzer (10Hz-44GHz)	Keysight	N9010A	EMC2138	2023-08-23	2024-08-22
4X4 Power sensor Unit	TST	TSPS2023R	EMC2226	2023-08-23	2024-08-22
Test Software	TST	V2.0	GZE100-78	N/A	N/A

26dB Emission bandwidth					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
MI CABLE	SGS-EMC	0.8M	EMC2137	2021-11-02	2023-11-01
EXA Signal Analyzer (10Hz-44GHz)	Keysight	N9010A	EMC2138	2023-08-23	2024-08-22
4X4 Power sensor Unit	TST	TSPS2023R	EMC2226	2023-08-23	2024-08-22
Test Software	TST	V2.0	GZE100-78	N/A	N/A



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Minimum 6 dB bandwidth (5.725-5.85 GHz band )					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
MI CABLE	SGS-EMC	0.8M	EMC2137	2021-11-02	2023-11-01
EXA Signal Analyzer (10Hz-44GHz)	Keysight	N9010A	EMC2138	2023-08-23	2024-08-22
4X4 Power sensor Unit	TST	TSPS2023R	EMC2226	2023-08-23	2024-08-22
Test Software	TST	V2.0	GZE100-78	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	EMC2137	2021-11-02	2023-11-01
EXA Signal Analyzer (10Hz-44GHz)	Keysight	N9010A	EMC2138	2023-08-23	2024-08-22
4X4 Power sensor Unit	TST	TSPS2023R	EMC2226	2023-08-23	2024-08-22
Test Software	TST	V2.0	GZE100-78	N/A	N/A

Peak Power spectrum density					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
MI CABLE	SGS-EMC	0.8M	EMC2137	2021-11-02	2023-11-01
EXA Signal Analyzer (10Hz-44GHz)	Keysight	N9010A	EMC2138	2023-08-23	2024-08-22
4X4 Power sensor Unit	TST	TSPS2023R	EMC2226	2023-08-23	2024-08-22
Test Software	TST	V2.0	GZE100-78	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	2023-02-20	2024-02-19
Amplifier(9k-1000MHz)	SONOMA	310	EMC2237	2023-04-13	2024-04-12
TRILOG Broadband Antenna (25M-2GHz)	SCHWRZBECK	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	2022-04-06	2024-04-05



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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	2022-12-16	2023-12-15
EMI Test Receiver (10Hz-26.5GHz)	Rohde & Schwarz	ESIB26	EMC0522	2022-12-16	2023-12-15
Chamber cable (Above 1GHz)	Scoflex	KMKM-8.0m	EMC0545	2022-08-24	2024-08-23
Horn Antenna (1GHz-18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120D	EMC2026	2022-09-23	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	2023-08-23	2024-08-22
966 Anechoic Chamber	C.R.T	9m x 6m x 6m	EMC2142	2020-12-20	2023-12-19
Notch Filter (5150-5880)	Mico-Tronics	BRM50716	EMC2168	2023-07-19	2024-07-18
Microwave Broadband Preamplifier (18-40GHz)	SCHWARZBECK	BBV 9721	EMC2172	2023-08-21	2024-08-20
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	2022-12-16	2023-12-15
EMI Test Receiver (10Hz-26.5GHz)	Rohde & Schwarz	ESIB26	EMC0522	2022-12-16	2023-12-15
Chamber cable (Above 1GHz)	Scoflex	KMKM-8.0m	EMC0545	2022-08-24	2024-08-23
Horn Antenna (1GHz-18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120D	EMC2026	2022-09-23	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	2023-08-23	2024-08-22
966 Anechoic Chamber	C.R.T	9m x 6m x 6m	EMC2142	2020-12-20	2023-12-19
Microwave Broadband Preamplifier (18-40GHz)	SCHWARZBECK	BBV 9721	EMC2172	2023-08-21	2024-08-20
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A



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Frequency Stability					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
MI CABLE	SGS-EMC	0.8M	EMC2137	2021-11-02	2023-11-01
EXA Signal Analyzer (10Hz-44GHz)	Keysight	N9010A	EMC2138	2023-08-23	2024-08-22
4X4 Power sensor Unit	TST	TSPS2023R	EMC2226	2023-08-23	2024-08-22
Test Software	TST	V2.0	GZE100-78	N/A	N/A
Temperature Chamber	GZ GongWen Co.Ltd.	GDJW-100	EMC0039	2023-06-29	2024-06-28

General used equipment					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DMM	Fluke	73	EMC0006	2023-06-11	2024-06-10



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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: 2.75 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.



## 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 &amp; Subpart E 15.407 b(9)

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

Limit:

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

\*Decreases with the logarithm of the frequency.

#### 7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 24.7 °C

Humidity: 55.8 % RH

Atmospheric Pressure: 1000 mbar

#### 7.1.2 Test Mode Description

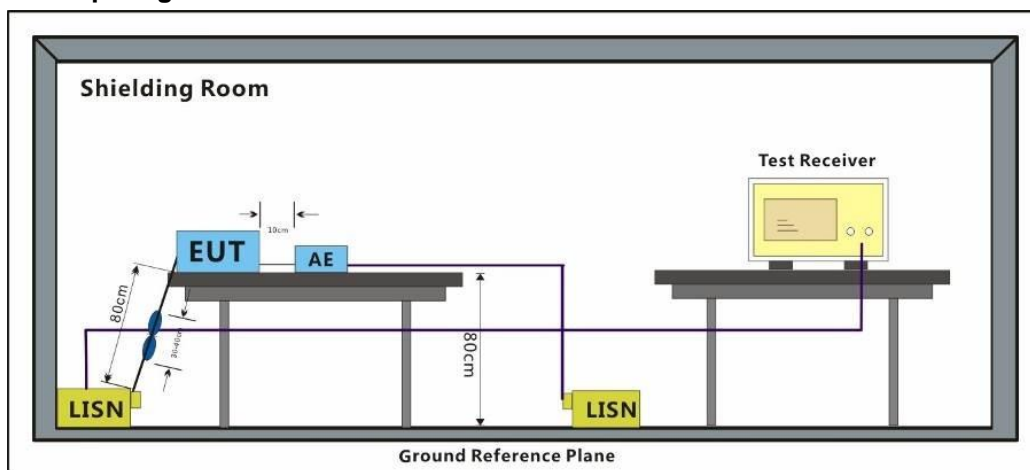
Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst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



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### 7.1.3 Test Setup Diagram



### 7.1.4 Measurement Procedure and Data

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

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

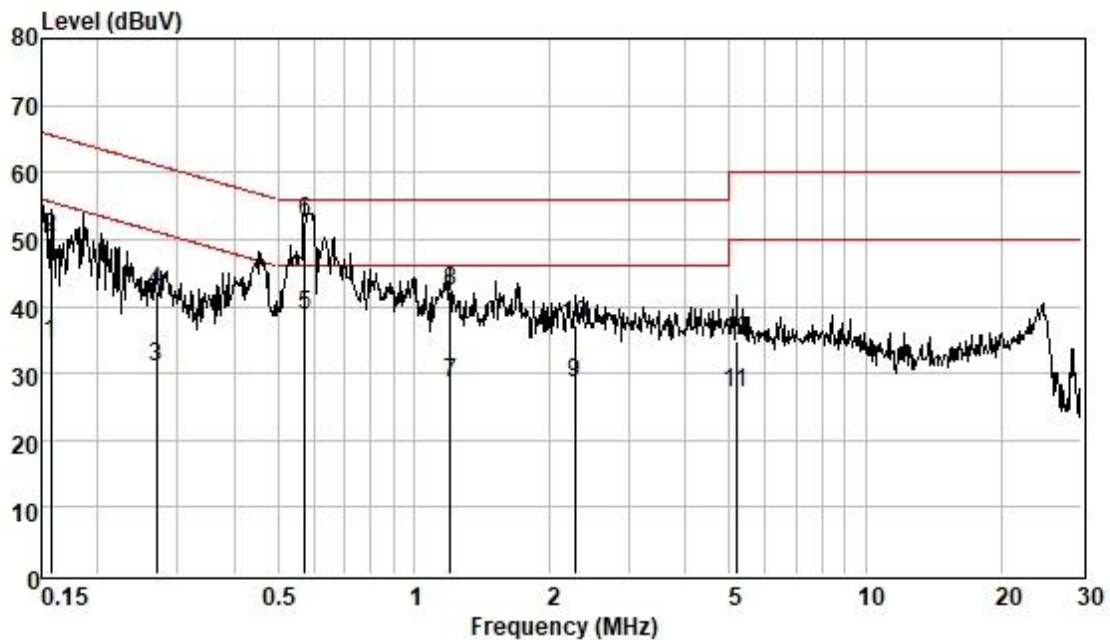


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Test Mode: 01; Line: Live line



Pol : LINE  
Mode :  
Model :  
Power :

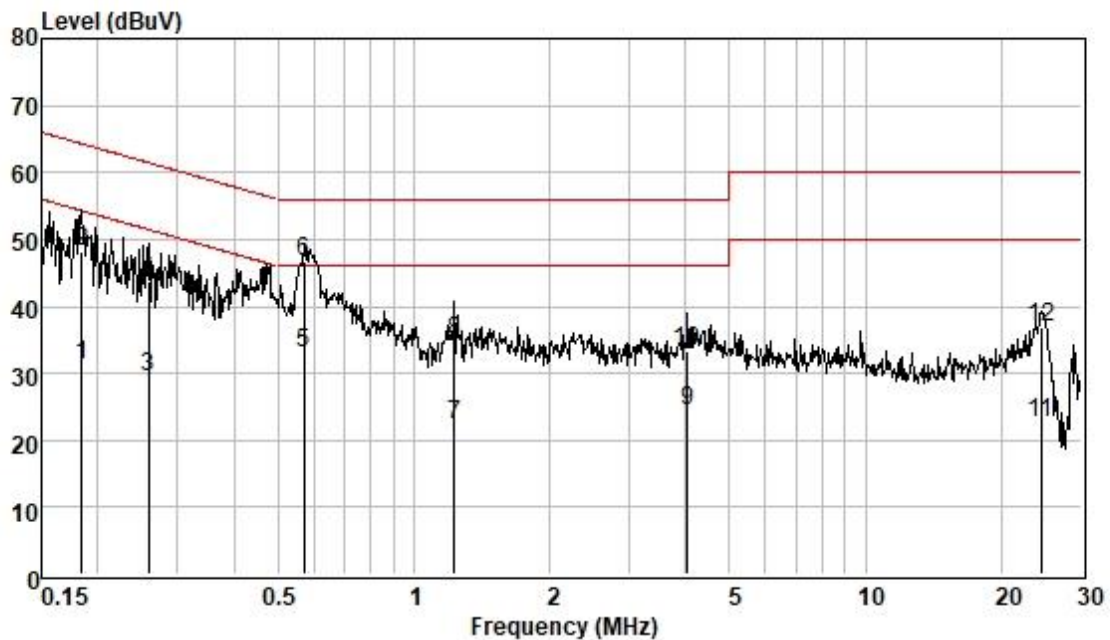
	Frequency MHz	Read Level dBuV	Cable Loss dB	LISN Factor dB	Measured Level dBuV	Limit Line dBuV	Over Limit dB	Remark
1	0.157	24.92	0.04	9.61	34.57	55.60	-21.03	Average
2	0.157	40.55	0.04	9.61	50.20	65.60	-15.40	QP
3	0.270	21.38	0.04	9.61	31.03	51.12	-20.09	Average
4	0.270	32.59	0.04	9.61	42.24	61.12	-18.88	QP
5	0.573	29.03	0.05	9.60	38.68	46.00	-7.32	Average
6	0.573	42.86	0.05	9.60	52.51	56.00	-3.49	QP
7	1.203	18.83	0.08	9.60	28.51	46.00	-17.49	Average
8	1.203	32.67	0.08	9.60	42.35	56.00	-13.65	QP
9	2.273	18.70	0.13	9.62	28.45	46.00	-17.55	Average
10	2.273	27.55	0.13	9.62	37.30	56.00	-18.70	QP
11	5.166	17.17	0.20	9.65	27.02	50.00	-22.98	Average
12	5.166	25.09	0.20	9.65	34.94	60.00	-25.06	QP



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Test Mode: 01; Line: Neutral Line



Pol : NEUTRAL  
Mode :  
Model :  
Power :

	Frequency MHz	Read Level dBuV	Cable Loss dB	LISN Factor dB	Measured Level dBuV	Limit Line dBuV	Over Limit dB	Remark
1	0.184	21.62	0.04	9.60	31.26	54.28	-23.02	Average
2	0.184	38.54	0.04	9.60	48.18	64.28	-16.10	QP
3	0.259	19.77	0.04	9.60	29.41	51.47	-22.06	Average
4	0.259	34.12	0.04	9.60	43.76	61.47	-17.71	QP
5	0.570	23.21	0.05	9.61	32.87	46.00	-13.13	Average
6	0.570	36.89	0.05	9.61	46.55	56.00	-9.45	QP
7	1.229	12.67	0.09	9.61	22.37	46.00	-23.63	Average
8	1.229	25.21	0.09	9.61	34.91	56.00	-21.09	QP
9	4.027	14.62	0.18	9.64	24.44	46.00	-21.56	Average
10	4.027	23.40	0.18	9.64	33.22	56.00	-22.78	QP
11	24.400	12.40	0.42	9.89	22.71	50.00	-27.29	Average
12	24.400	26.56	0.42	9.89	36.87	60.00	-23.13	QP



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### 7.2 Duty Cycle

Test Requirement KDB 789033 D02 II B 1

Test Method: KDB 789033 II B 1

#### 7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 24.0 °C Humidity: 64.6 % RH Atmospheric Pressure: 1007 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 20, 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 20, 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 20, 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 20, Only the data of worst case is recorded in the report.

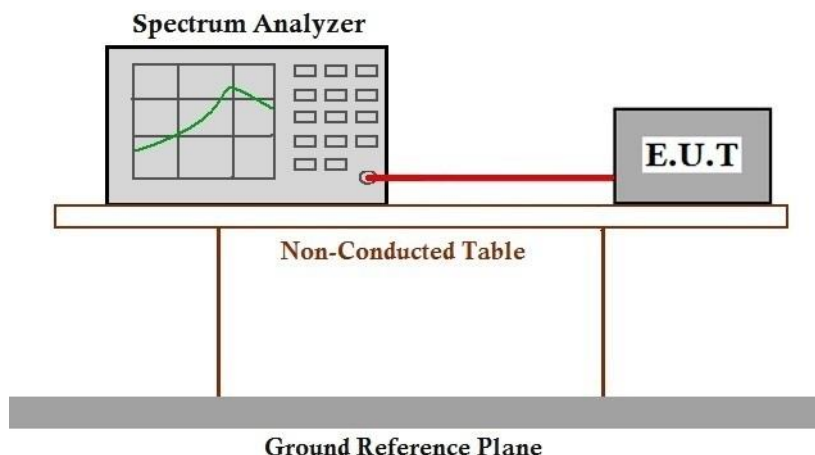


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### 7.2.3 Test Setup Diagram



### 7.2.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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### 7.3 99% Bandwidth

Test Requirement N/A  
Test Method: KDB 789033 II D

#### 7.3.1 E.U.T. Operation

Operating Environment:  
Temperature: 24.0 °C Humidity: 64.6 % RH Atmospheric Pressure: 1007 mbar

#### 7.3.2 Test Mode Description

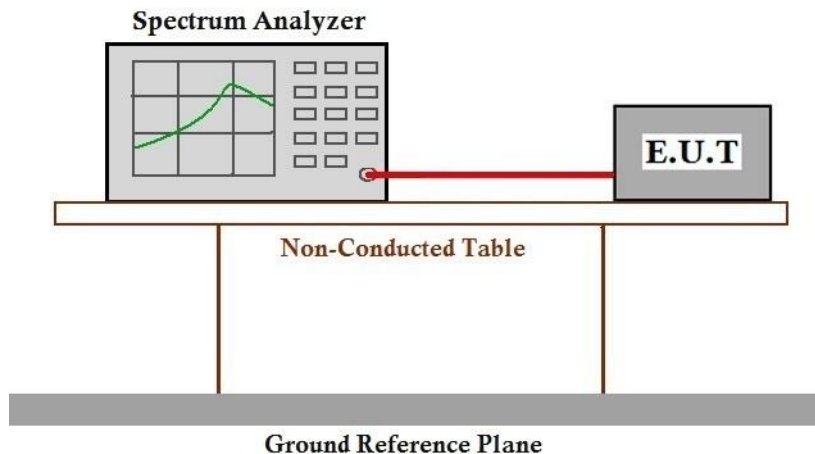
Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst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



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### 7.3.3 Test Setup Diagram



### 7.3.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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### 7.4 26dB Emission bandwidth

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

Test Method: KDB 789033 D02 II C 1

#### 7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 24.0 °C

Humidity: 64.6 % RH

Atmospheric Pressure: 1007 mbar

#### 7.4.2 Test Mode Description

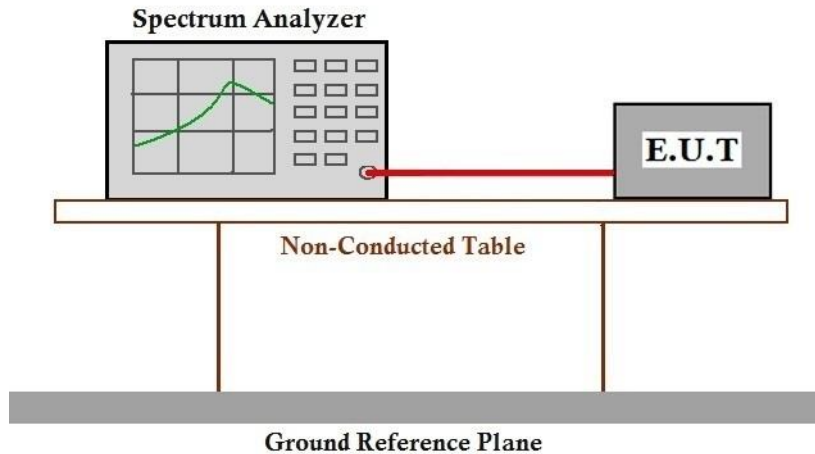
Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst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



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### 7.4.3 Test Setup Diagram



### 7.4.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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### 7.5 Minimum 6 dB bandwidth (5.725-5.85 GHz band)

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

Test Method: KDB 789033 D02 II C 2

Limit:

Frequency band(MHz)	Limit
5725-5850	≥500 kHz

#### 7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 24.0 °C

Humidity: 64.6 % RH

Atmospheric Pressure: 1007 mbar

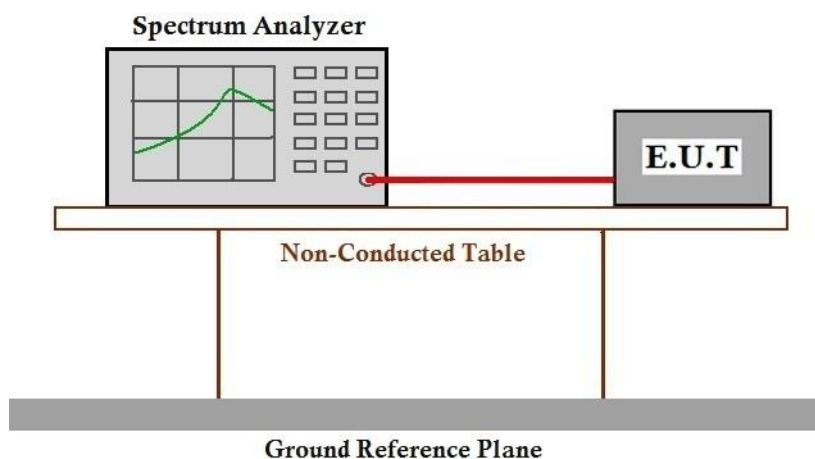
#### 7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
--------------------------	--------------	-------------

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 20, Only the data of worst case is recorded in the report.

#### 7.5.3 Test Setup Diagram



#### 7.5.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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## 7.6 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	≤1W(30dBm) for master device
	≤250mW(24dBm) for client device
5250-5350	≤250mW(24dBm) or 11dBm+10logB*
5470-5725	≤250mW(24dBm) or 11dBm+10logB*
5725-5850	≤1W(30dBm)
Remark:	<p>* Where B is the 26dB emission bandwidth in MHz.</p> <p>The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.</p>

### 7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 24.0 °C

Humidity: 64.6 % RH

Atmospheric Pressure: 1007 mbar

### 7.6.2 Test Mode Description

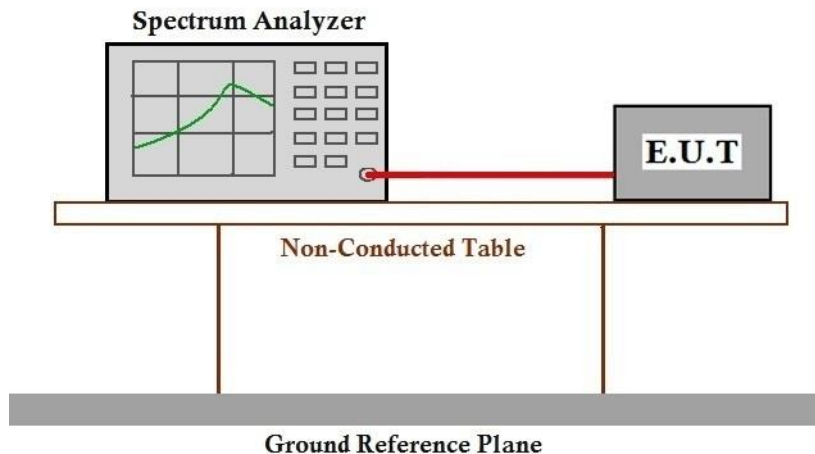
Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst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



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### 7.6.3 Test Setup Diagram



### 7.6.4 Measurement Procedure and Data

Note: Since the verify power the same operating range bandwidth and smaller power can be covered by the higher power.

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## 7.7 Peak Power spectrum density

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

Test Method: KDB 789033 D02 II F

Limit:

Frequency band(MHz)	Limit
5150-5250	≤17dBm in 1MHz for master device
	≤11dBm in 1MHz for client device
5250-5350	≤11dBm in 1MHz for client device
5470-5725	≤11dBm in 1MHz for client device
5725-5850	≤30dBm in 500 kHz
Remark:	The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test.

### 7.7.1 E.U.T. Operation

Operating Environment:

Temperature: 24.0 °C

Humidity: 64.6 % RH

Atmospheric Pressure: 1007 mbar

### 7.7.2 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 20, 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 20, 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 20, 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 20, Only the data of worst case is recorded in the report.

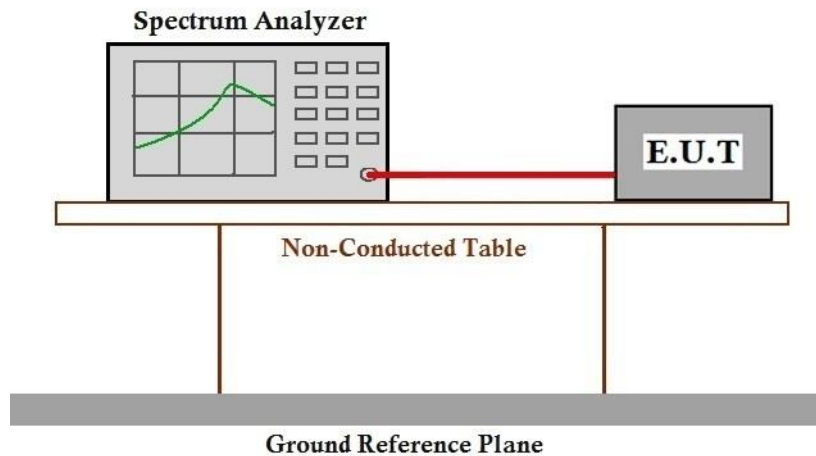


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### 7.7.3 Test Setup Diagram



### 7.7.4 Measurement Procedure and Data

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## 7.8 Radiated Emissions (Below 1GHz)

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

Test Method: KDB 789033 D02 II G

Test Distance: 3 m

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

### 7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 23.4 °C

Humidity: 55.6 % RH

Atmospheric Pressure: 1000 mbar

### 7.8.2 Test Mode Description

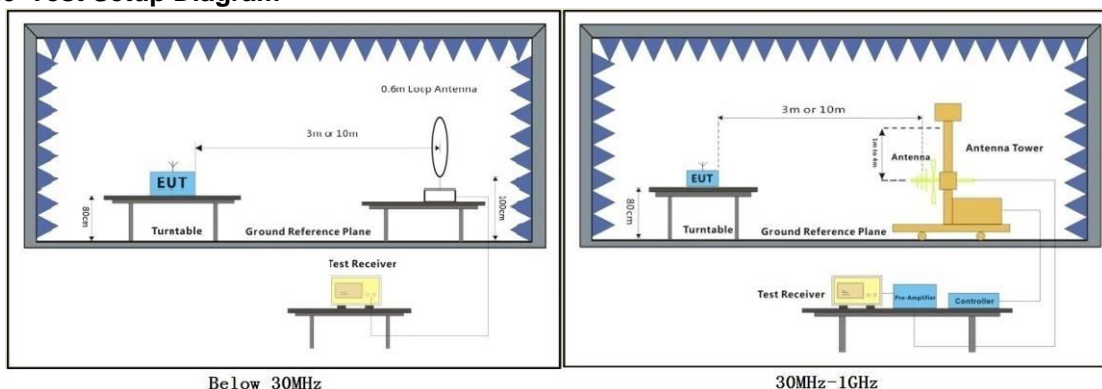
Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst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



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### 7.8.3 Test Setup Diagram



### 7.8.4 Measurement Procedure and Data

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

Remark:

- Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- For emission below 1GHz, through the pre-scan found the worst case is the lowest channel of 802.11a. Only the worst case is recorded in the report.
- Scan from 9kHz to 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.
- 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.

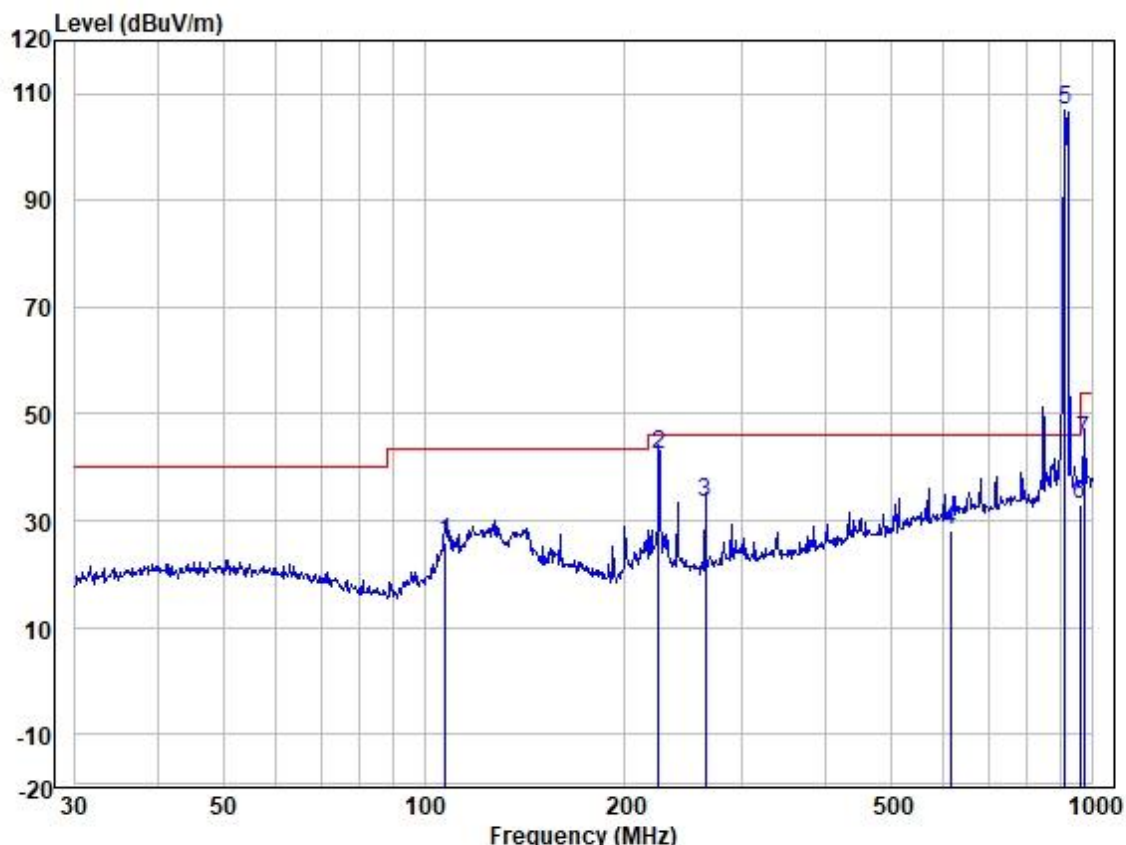


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Test Mode: 01; Polarity: Horizontal



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

	Freq	Read Level	Antenna Factor	Cable Loss	Preamplifier	Measured Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	107.510	42.47	15.78	0.56	32.80	26.01	43.52	-17.51	HORIZONTAL	QP
2	224.519	58.39	15.95	0.82	32.80	42.36	46.02	-3.66	HORIZONTAL	QP
3	263.819	47.22	17.96	0.93	32.80	33.31	46.02	-12.71	HORIZONTAL	QP
4	614.000	33.73	25.92	1.44	32.89	28.20	46.02	-17.82	HORIZONTAL	QP
5	909.667	107.20	29.52	1.76	31.55	106.93	46.02	60.91	HORIZONTAL	Peak
6	960.000	32.46	29.74	1.82	30.98	33.04	46.02	-12.98	HORIZONTAL	QP
7	972.337	44.25	29.82	1.83	30.86	45.04	53.98	-8.94	HORIZONTAL	QP

The port 5 is the fundamental frequency (905-925 MHz) of wireless function of monitor and camera.

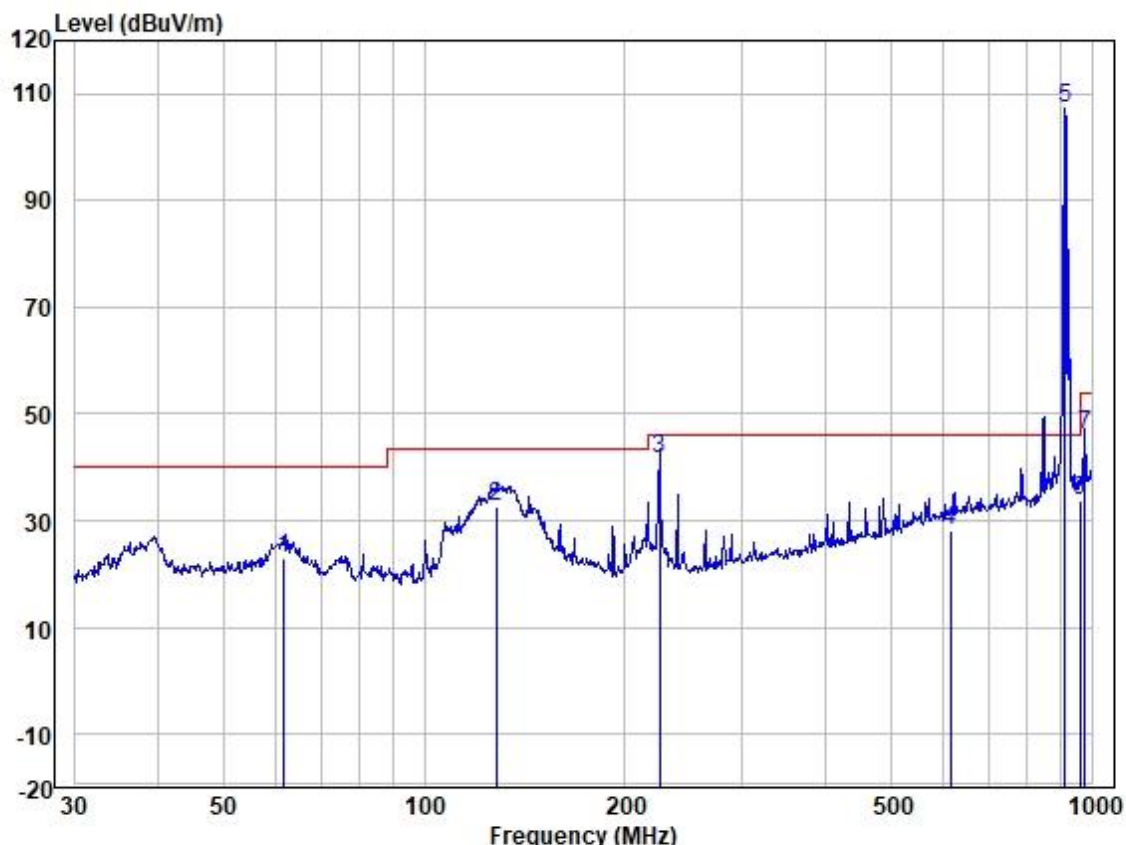


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Test Mode: 01; Polarity: Vertical



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

	Freq	Read Level	Antenna Factor	Cable Loss	Preamplifier Factor	Measured Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	61.778	36.93	18.47	0.42	32.80	23.02	40.00	-16.98	VERTICAL	QP
2	128.113	46.87	17.91	0.61	32.80	32.59	43.52	-10.93	VERTICAL	QP
3	225.308	57.61	15.95	0.82	32.80	41.58	46.02	-4.44	VERTICAL	QP
4	614.000	33.69	25.92	1.44	32.89	28.16	46.02	-17.86	VERTICAL	QP
5	909.667	107.58	29.52	1.76	31.55	107.31	46.02	61.29	VERTICAL	Peak
6	960.000	33.07	29.74	1.82	30.98	33.65	46.02	-12.37	VERTICAL	QP
7	975.753	45.34	29.89	1.83	30.83	46.23	53.98	-7.75	VERTICAL	QP

The port 5 is the fundamental frequency (905-925 MHz) of wireless function of monitor and camera.



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## 7.9 Radiated Emissions (Above 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 &amp; 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
<p>*(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.</p> <p>(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.</p> <p>(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.</p> <p>(4) For transmitters operating in the 5.725-5.85 GHz band:</p> <p>(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.</p> <p>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.</p>		

### 7.9.1 E.U.T. Operation

Operating Environment:

Temperature: 24.4 °C Humidity: 63.2 % RH Atmospheric Pressure: 1007 mbar



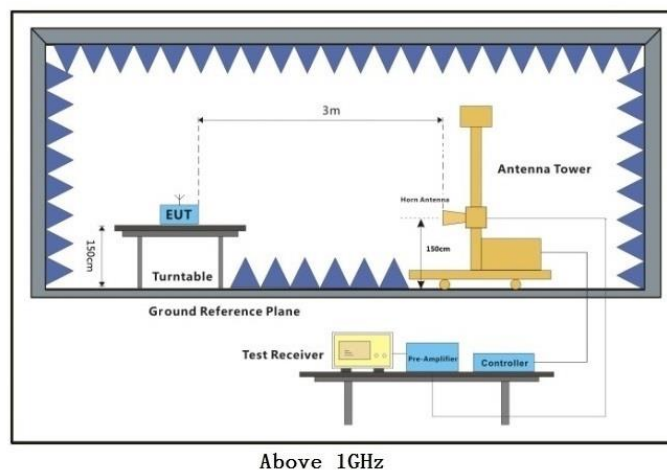
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### 7.9.2 Test Mode Description

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 20, 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 20, 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 20, 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 20, Only the data of worst case is recorded in the report.

### 7.9.3 Test Setup Diagram



Above 1GHz



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## 7.9.4 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.

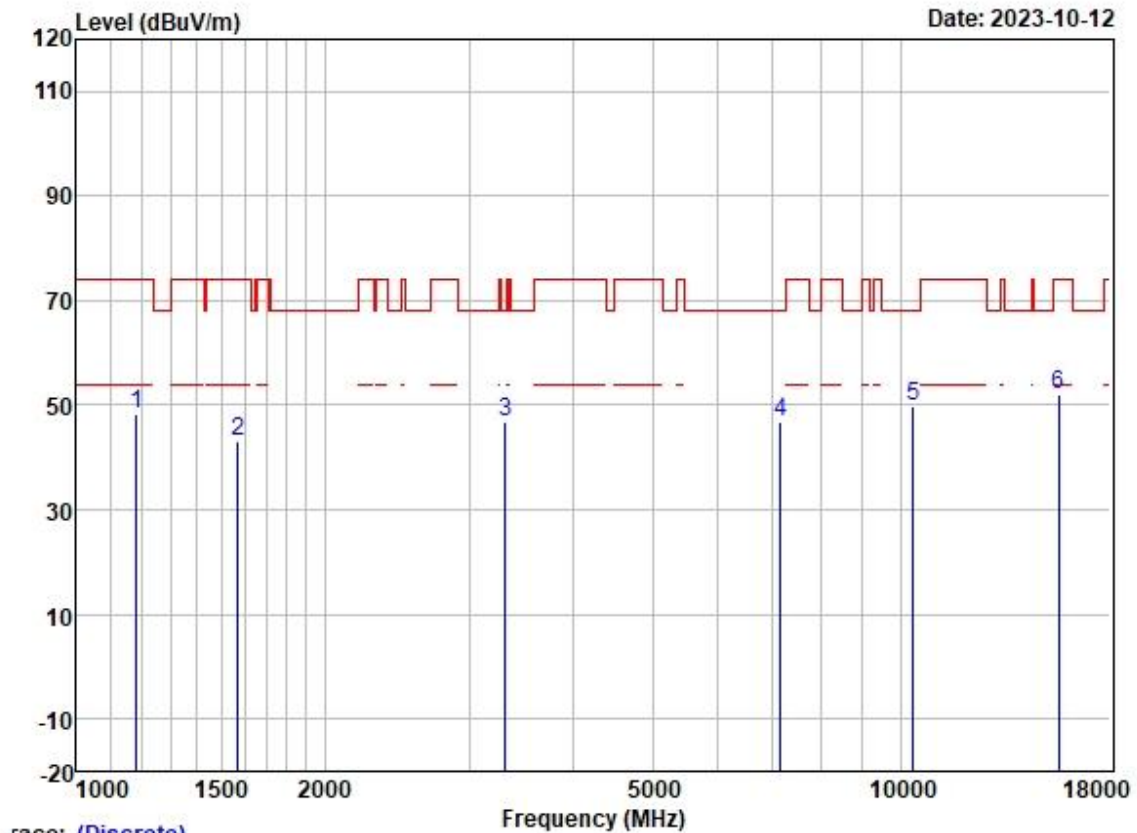


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Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

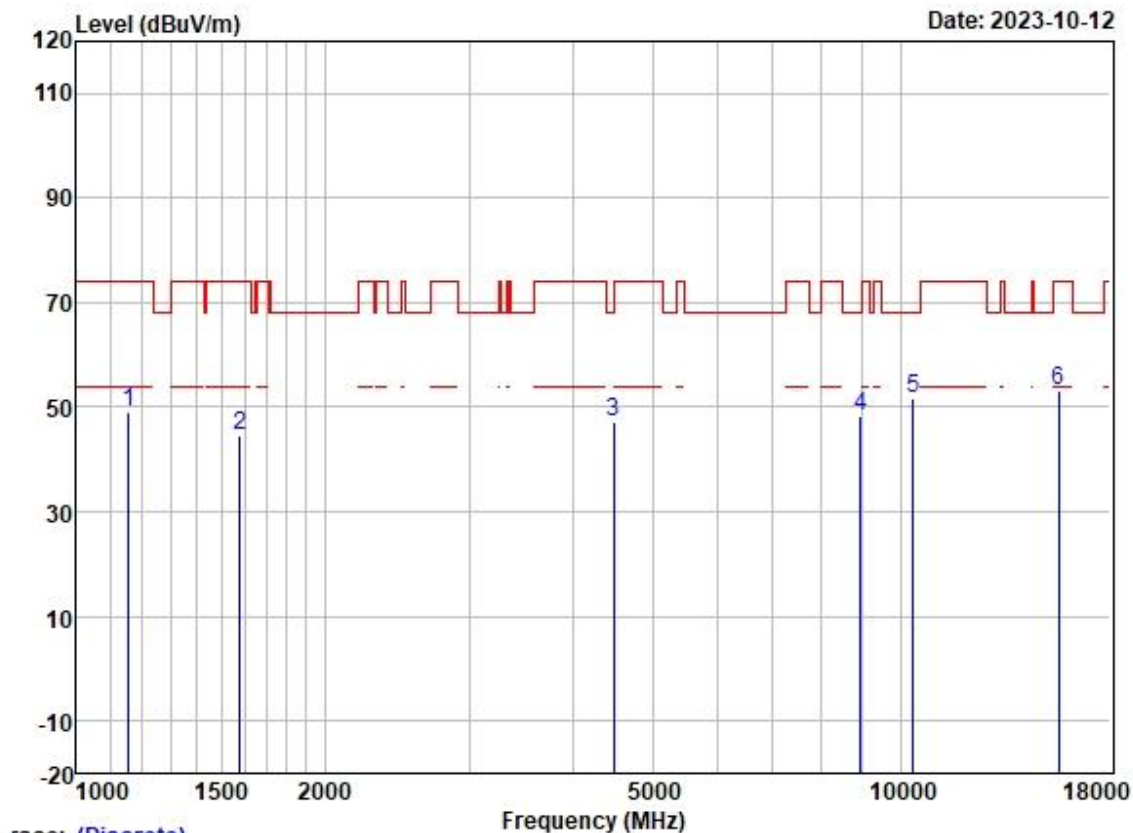
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1182.513	60.84	23.04	2.52	37.99	48.41	74.00	-25.59	VERTICAL	peak
2	1569.721	53.42	24.60	2.97	37.94	43.05	74.00	-30.95	VERTICAL	peak
3	3318.471	50.25	28.94	4.55	37.07	46.67	68.20	-21.53	VERTICAL	peak
4	7158.806	41.46	35.49	7.00	37.13	46.82	68.20	-21.38	VERTICAL	peak
5	10360.000	39.59	39.64	7.74	36.98	49.99	68.20	-18.21	VERTICAL	peak
6	15540.000	38.67	38.33	11.29	36.18	52.11	74.00	-21.89	VERTICAL	peak



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



Trace: (Discrete)

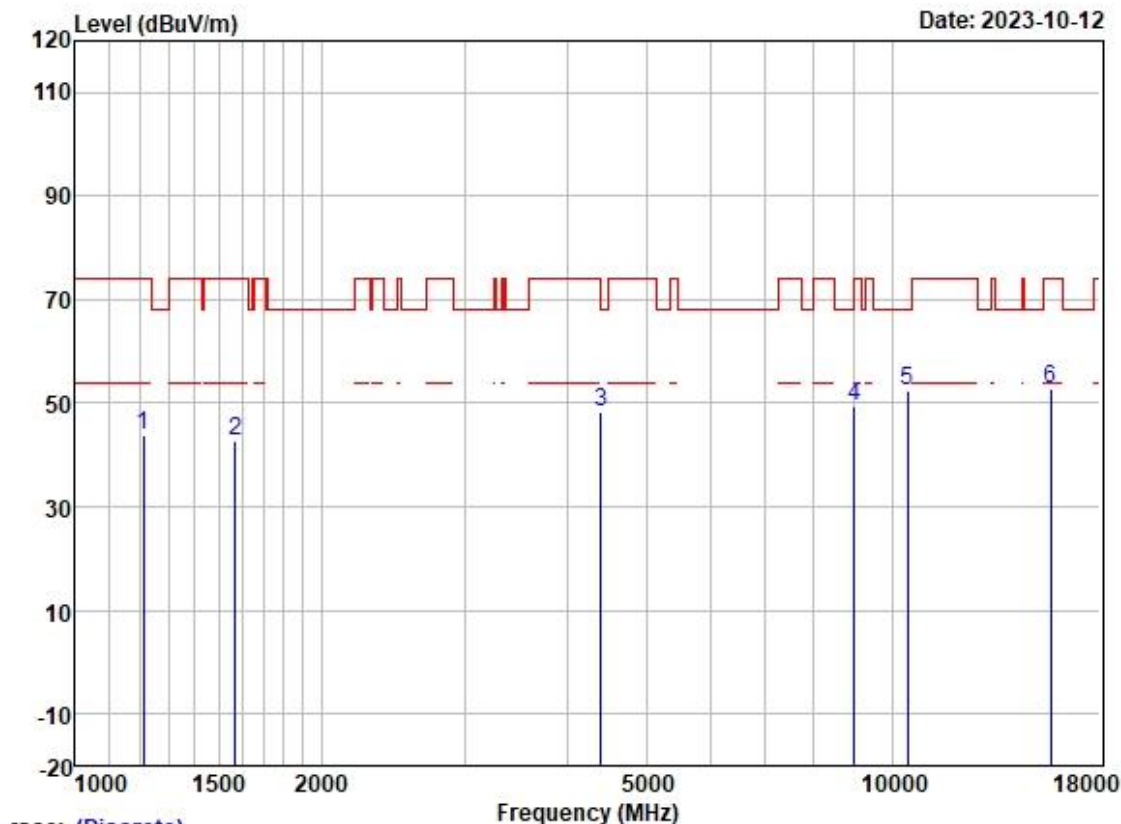
	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1155.483	61.82	22.89	2.47	37.99	49.19	74.00	-24.81	HORIZONTAL peak
2	1578.822	54.79	24.62	2.98	37.94	44.45	74.00	-29.55	HORIZONTAL peak
3	4482.150	45.09	34.12	4.78	36.83	47.16	68.20	-21.04	HORIZONTAL peak
4	8943.274	40.88	37.50	7.22	37.11	48.49	68.20	-19.71	HORIZONTAL peak
5	10360.000	41.26	39.64	7.74	36.98	51.66	68.20	-16.54	HORIZONTAL peak
6	15540.000	39.90	38.33	11.29	36.18	53.34	74.00	-20.66	HORIZONTAL peak



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



Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp	Limit	Over			
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1210.174	56.09	23.26	2.59	37.99	43.95	74.00	-30.05	VERTICAL peak
2	1569.721	53.20	24.60	2.97	37.94	42.83	74.00	-31.17	VERTICAL peak
3	4405.090	46.63	33.74	4.79	36.82	48.34	68.20	-19.86	VERTICAL peak
4	8995.123	41.90	37.59	7.21	37.10	49.60	68.20	-18.60	VERTICAL peak
5	10440.000	41.79	39.79	7.76	36.97	52.37	68.20	-15.83	VERTICAL peak
6	15660.000	39.53	38.01	11.32	36.22	52.64	74.00	-21.36	VERTICAL peak

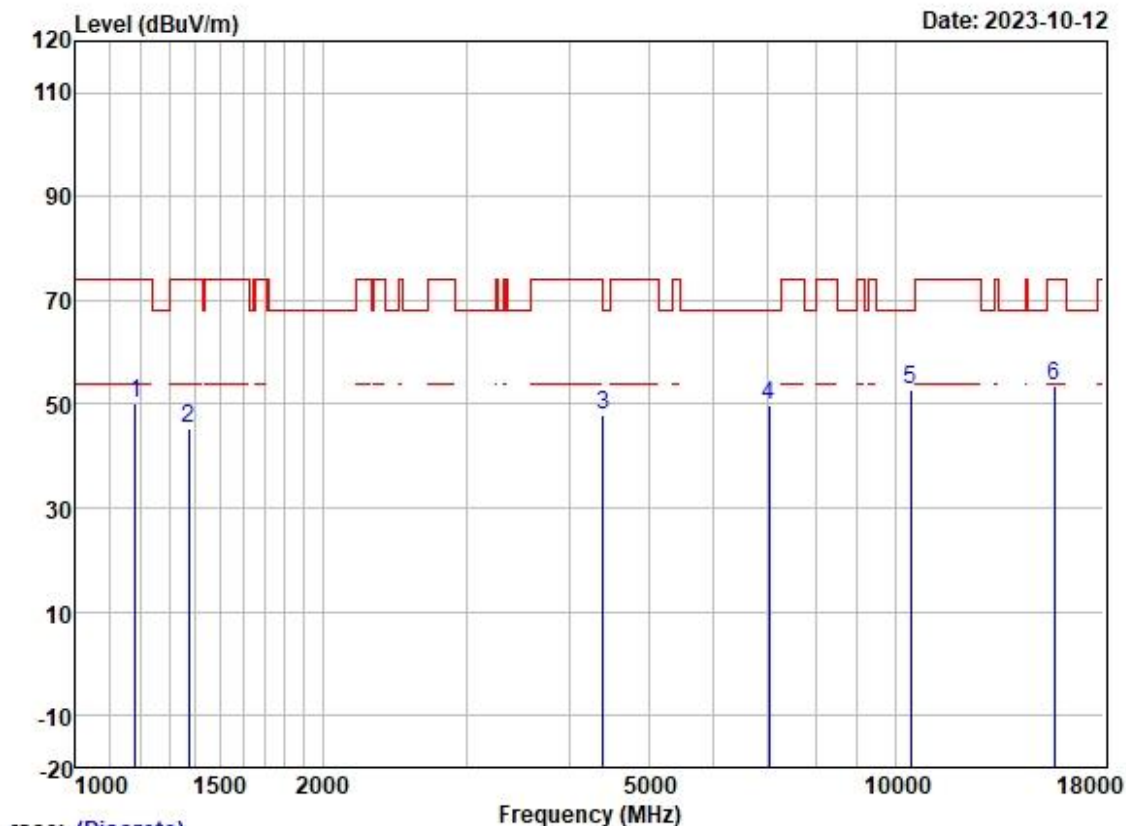


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Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp	Level	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1182.513	62.74	23.04	2.52	37.99	50.31	74.00	-23.69	HORIZONTAL peak
2	1374.295	56.10	24.20	2.87	37.97	45.20	74.00	-28.80	HORIZONTAL peak
3	4405.090	46.42	33.74	4.79	36.82	48.13	68.20	-20.07	HORIZONTAL peak
4	7015.420	44.51	35.15	7.12	37.10	49.68	68.20	-18.52	HORIZONTAL peak
5	10440.000	42.04	39.79	7.76	36.97	52.62	68.20	-15.58	HORIZONTAL peak
6	15660.000	40.40	38.01	11.32	36.22	53.51	74.00	-20.49	HORIZONTAL peak

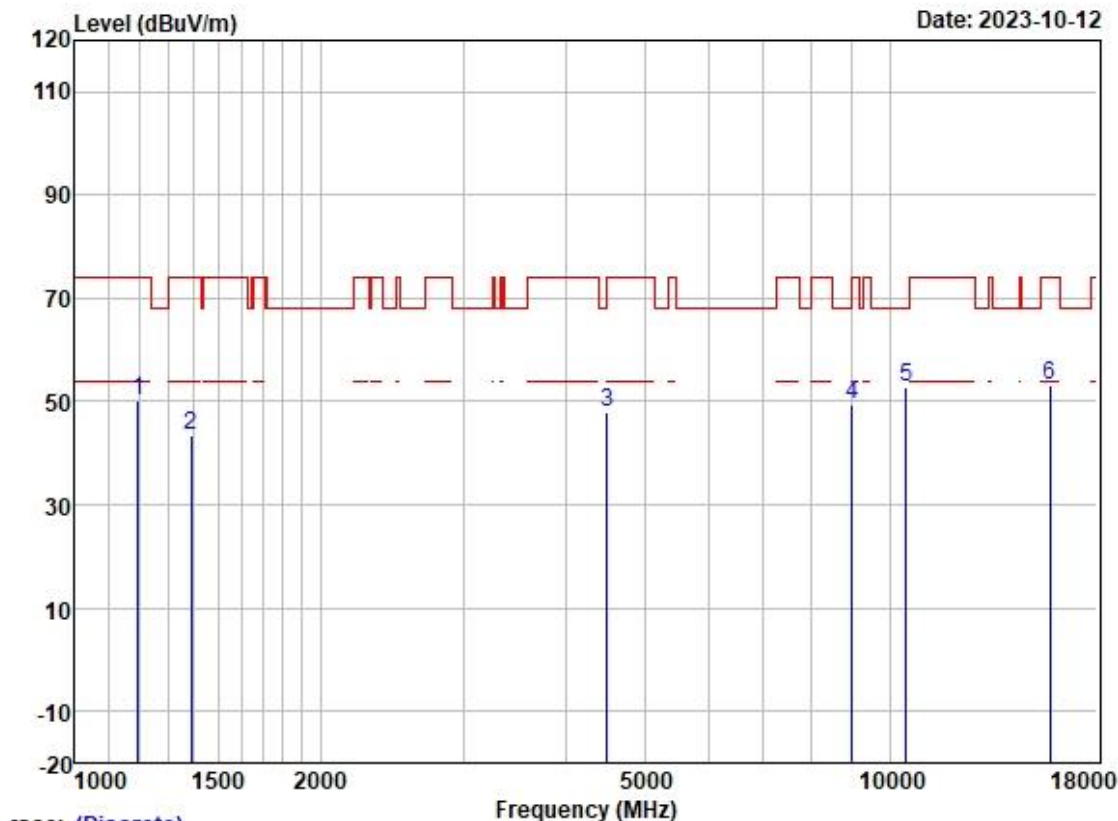


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Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

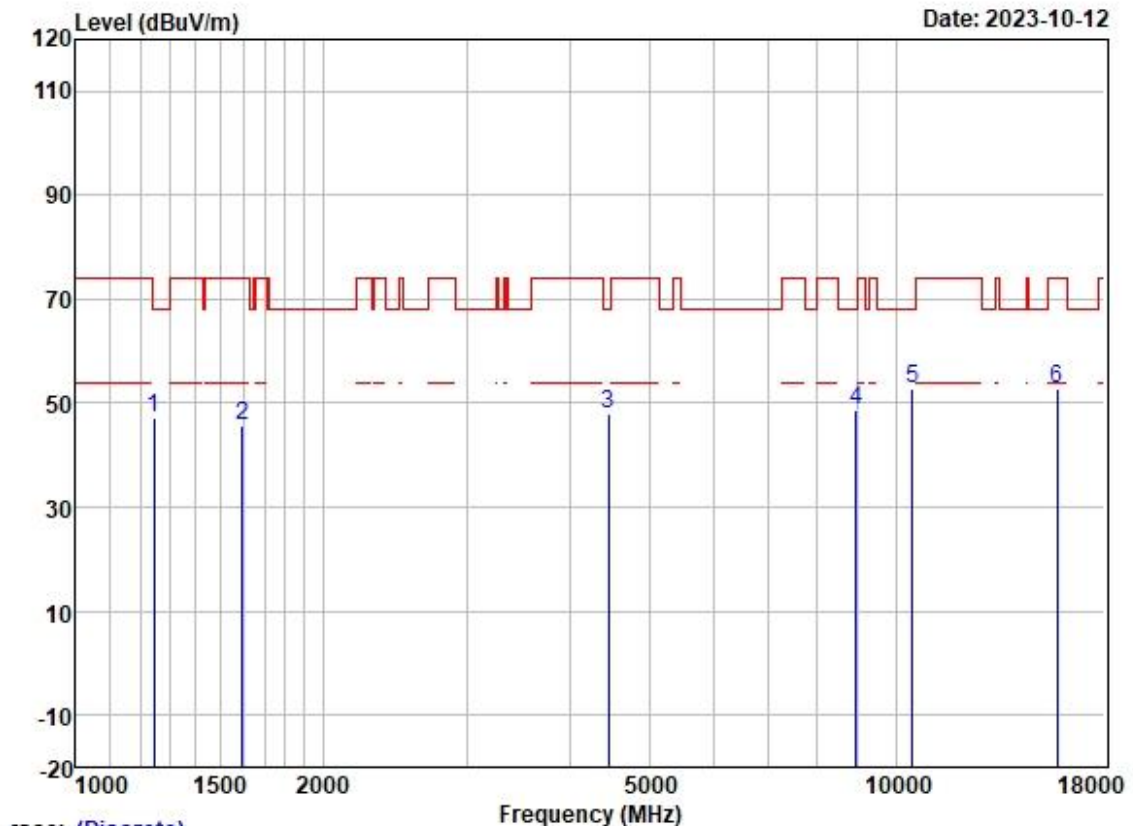
	Freq	ReadAntenna	Cable	Preamp	Limit	Over			
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1196.264	62.32	23.14	2.55	37.99	50.02	74.00	-23.98	VERTICAL peak
2	1390.276	54.19	24.24	2.88	37.97	43.34	74.00	-30.66	VERTICAL peak
3	4495.125	45.78	34.17	4.78	36.83	47.90	68.20	-20.30	VERTICAL peak
4	8995.123	41.64	37.59	7.21	37.10	49.34	68.20	-18.86	VERTICAL peak
5	10480.000	42.29	39.84	7.77	36.97	52.93	68.20	-15.27	VERTICAL peak
6	15720.000	40.02	37.89	11.34	36.24	53.01	74.00	-20.99	VERTICAL peak



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



Trace: (Discrete)

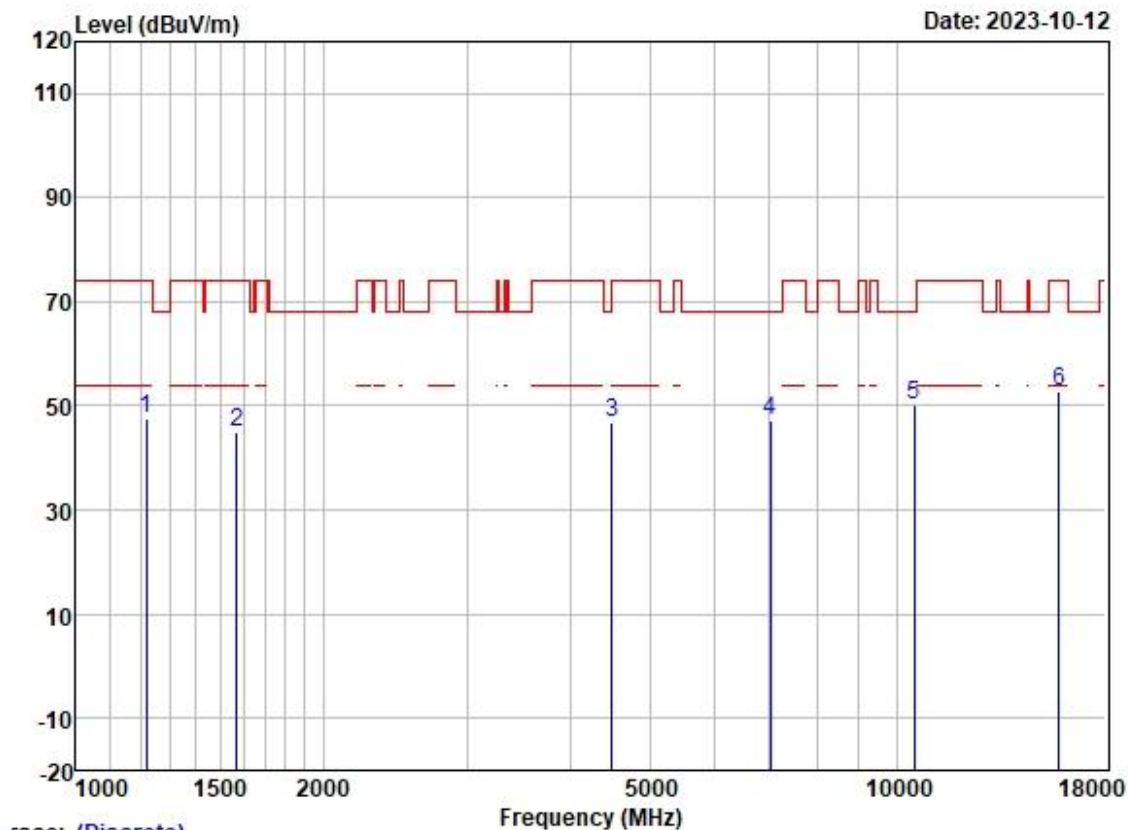
	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1245.663	58.96	23.65	2.70	37.98	47.33	68.20	-20.87	HORIZONTAL peak
2	1597.181	55.93	24.68	2.99	37.94	45.66	74.00	-28.34	HORIZONTAL peak
3	4456.315	45.94	34.00	4.79	36.83	47.90	68.20	-20.30	HORIZONTAL peak
4	8943.274	41.25	37.50	7.22	37.11	48.86	68.20	-19.34	HORIZONTAL peak
5	10480.000	42.12	39.84	7.77	36.97	52.76	68.20	-15.44	HORIZONTAL peak
6	15720.000	39.77	37.89	11.34	36.24	52.76	74.00	-21.24	HORIZONTAL peak



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



Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1217.190	59.75	23.34	2.61	37.98	47.72	74.00	-26.28	VERTICAL	peak
2	1569.721	55.27	24.60	2.97	37.94	44.90	74.00	-29.10	VERTICAL	peak
3	4495.125	44.69	34.17	4.78	36.83	46.81	68.20	-21.39	VERTICAL	peak
4	7015.420	41.93	35.15	7.12	37.10	47.10	68.20	-21.10	VERTICAL	peak
5	10520.000	39.33	39.88	7.77	36.97	50.01	68.20	-18.19	VERTICAL	peak
6	15780.000	39.83	37.75	11.35	36.26	52.67	74.00	-21.33	VERTICAL	peak

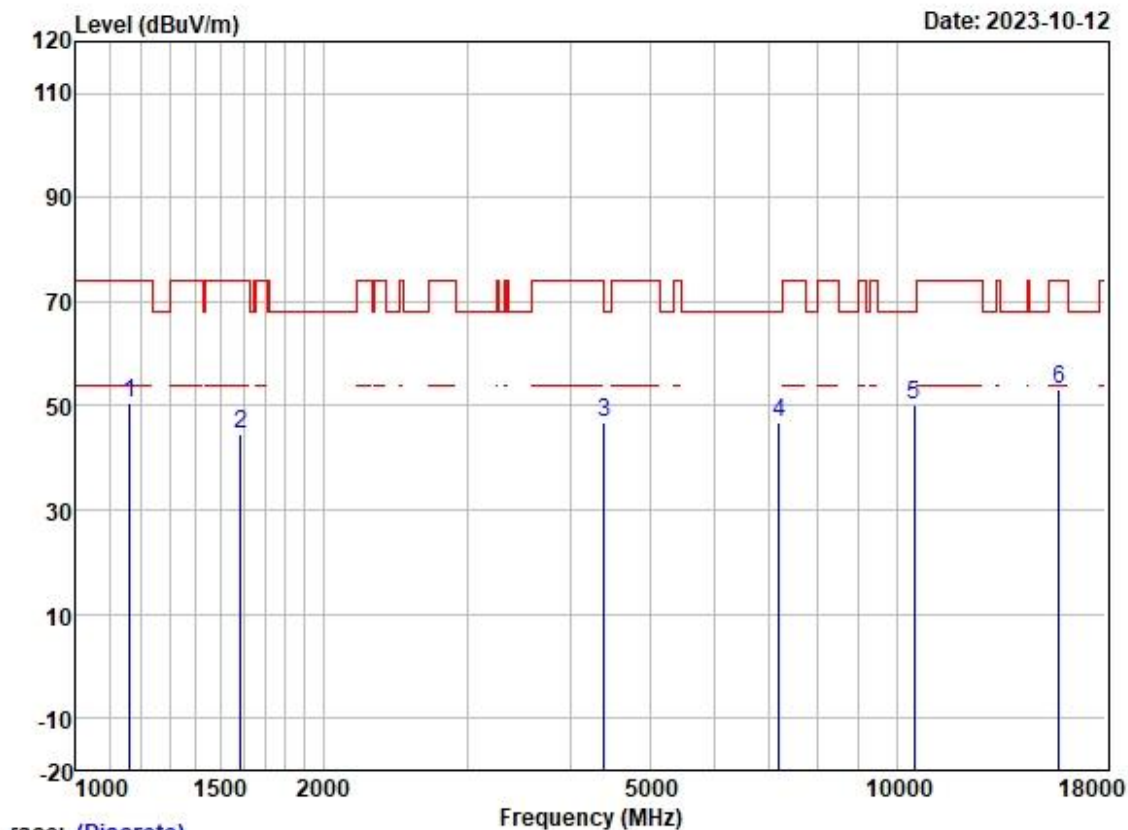


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Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1162.182	63.03	22.93	2.48	37.99	50.45	74.00	-23.55	HORIZONTAL	peak
2	1587.975	54.74	24.65	2.99	37.94	44.44	74.00	-29.56	HORIZONTAL	peak
3	4405.090	44.97	33.74	4.79	36.82	46.68	68.20	-21.52	HORIZONTAL	peak
4	7200.309	41.24	35.63	6.96	37.13	46.70	68.20	-21.50	HORIZONTAL	peak
5	10520.000	39.38	39.88	7.77	36.97	50.06	68.20	-18.14	HORIZONTAL	peak
6	15780.000	40.40	37.75	11.35	36.26	53.24	74.00	-20.76	HORIZONTAL	peak

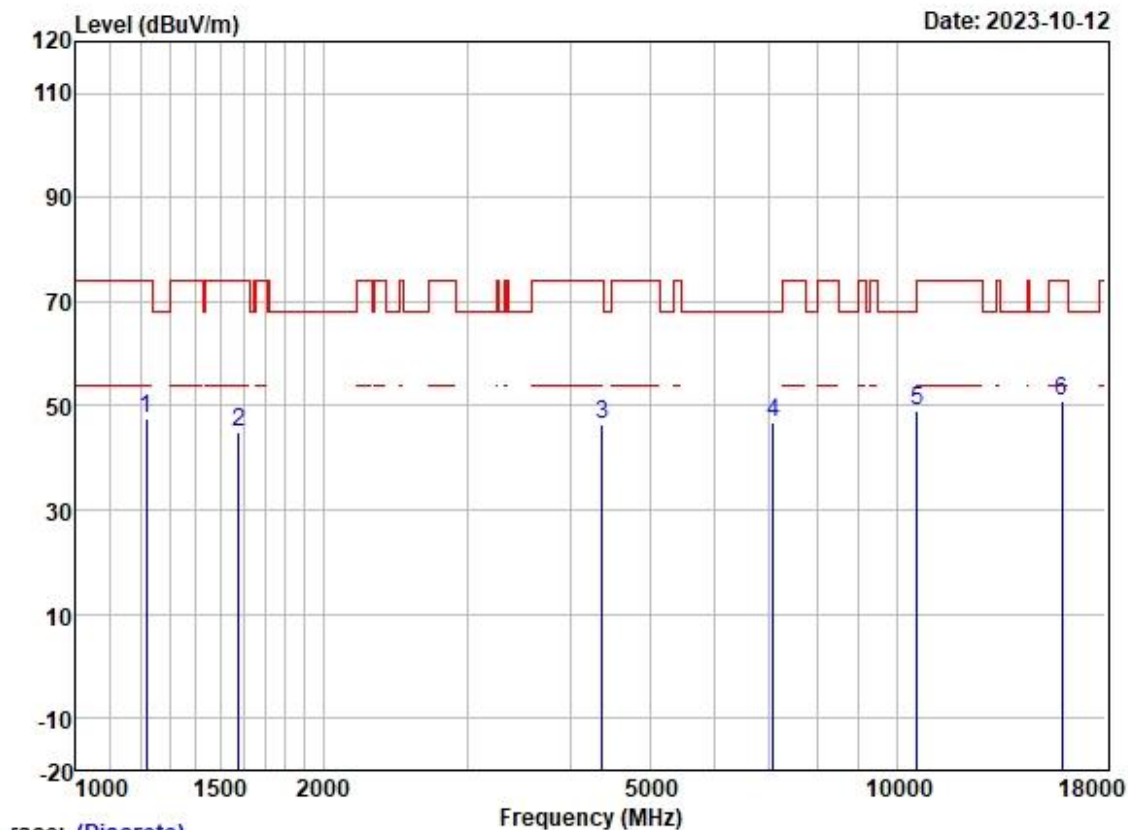


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Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



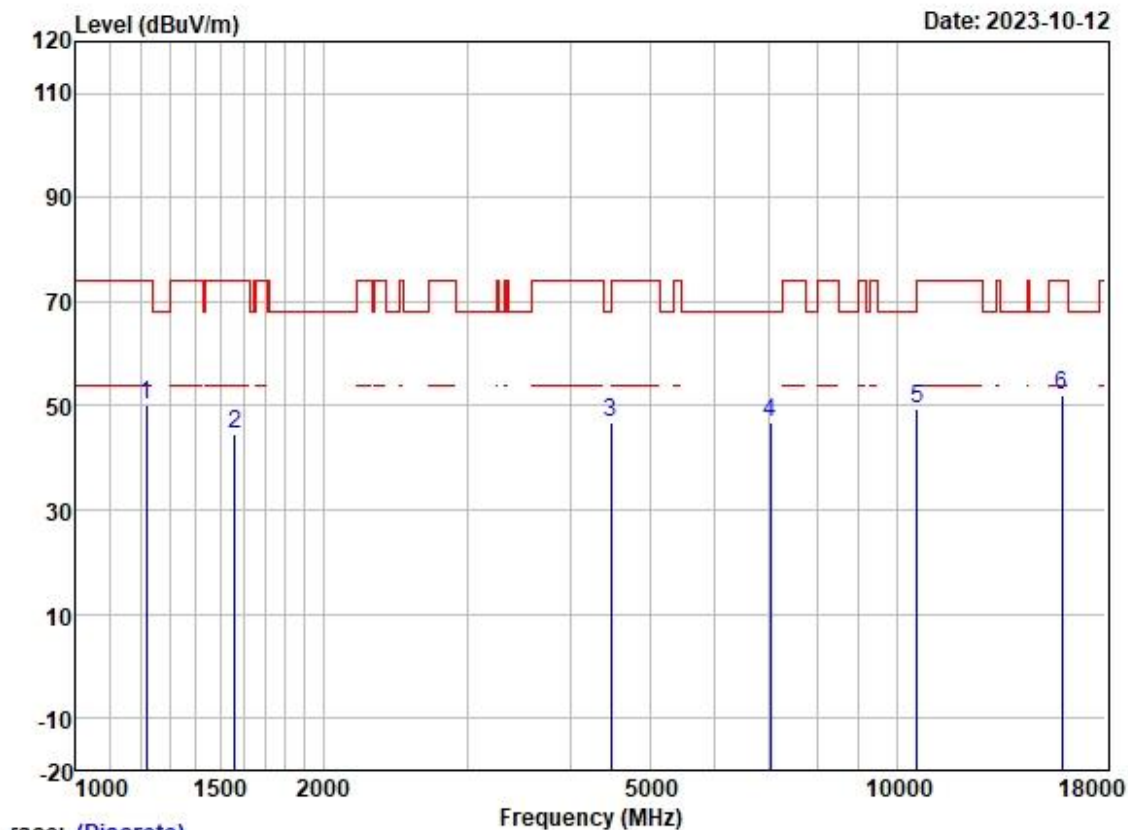
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark	
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1217.190	59.43	23.34	2.61	37.98	47.40	74.00	-26.60	VERTICAL	peak
2	1578.822	55.22	24.62	2.98	37.94	44.88	74.00	-29.12	VERTICAL	peak
3	4379.699	44.86	33.59	4.80	36.82	46.43	74.00	-27.57	VERTICAL	peak
4	7076.516	41.77	35.28	7.07	37.11	47.01	68.20	-21.19	VERTICAL	peak
5	10600.000	38.18	39.96	7.84	36.96	49.02	68.20	-19.18	VERTICAL	peak
6	15900.000	38.56	37.32	11.40	36.28	51.00	74.00	-23.00	VERTICAL	peak



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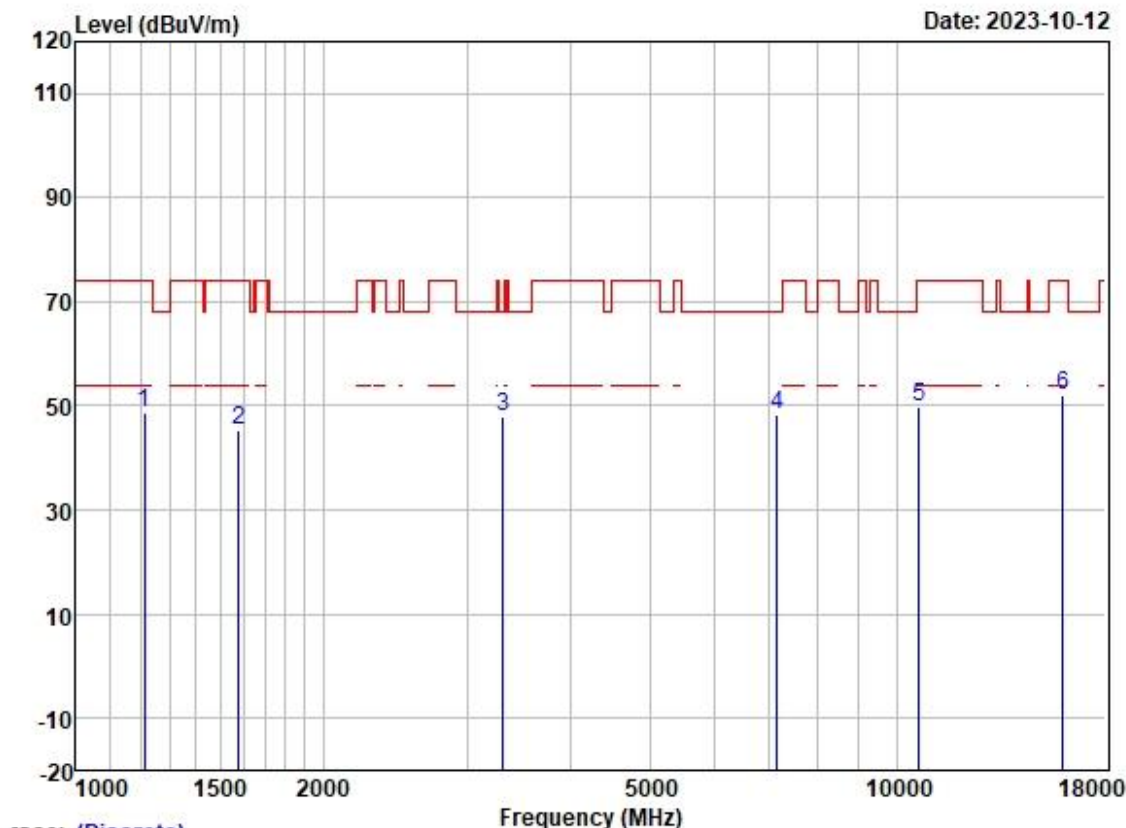
Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1217.190	62.29	23.34	2.61	37.98	50.26	74.00	-23.74	HORIZONTAL peak
2	1560.673	54.86	24.57	2.97	37.94	44.46	74.00	-29.54	HORIZONTAL peak
3	4482.150	44.83	34.12	4.78	36.83	46.90	68.20	-21.30	HORIZONTAL peak
4	7015.420	41.66	35.15	7.12	37.10	46.83	68.20	-21.37	HORIZONTAL peak
5	10600.000	38.54	39.96	7.84	36.96	49.38	68.20	-18.82	HORIZONTAL peak
6	15900.000	39.62	37.32	11.40	36.28	52.06	74.00	-21.94	HORIZONTAL peak



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



Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1210.174	60.84	23.26	2.59	37.99	48.70	74.00	-25.30	VERTICAL	peak
2	1578.822	55.68	24.62	2.98	37.94	45.34	74.00	-28.66	VERTICAL	peak
3	3318.471	51.62	28.94	4.55	37.07	48.04	68.20	-20.16	VERTICAL	peak
4	7158.806	42.93	35.49	7.00	37.13	48.29	68.20	-19.91	VERTICAL	peak
5	10640.000	38.79	40.00	7.86	36.96	49.69	74.00	-24.31	VERTICAL	peak
6	15960.000	39.71	37.20	11.41	36.29	52.03	74.00	-21.97	VERTICAL	peak

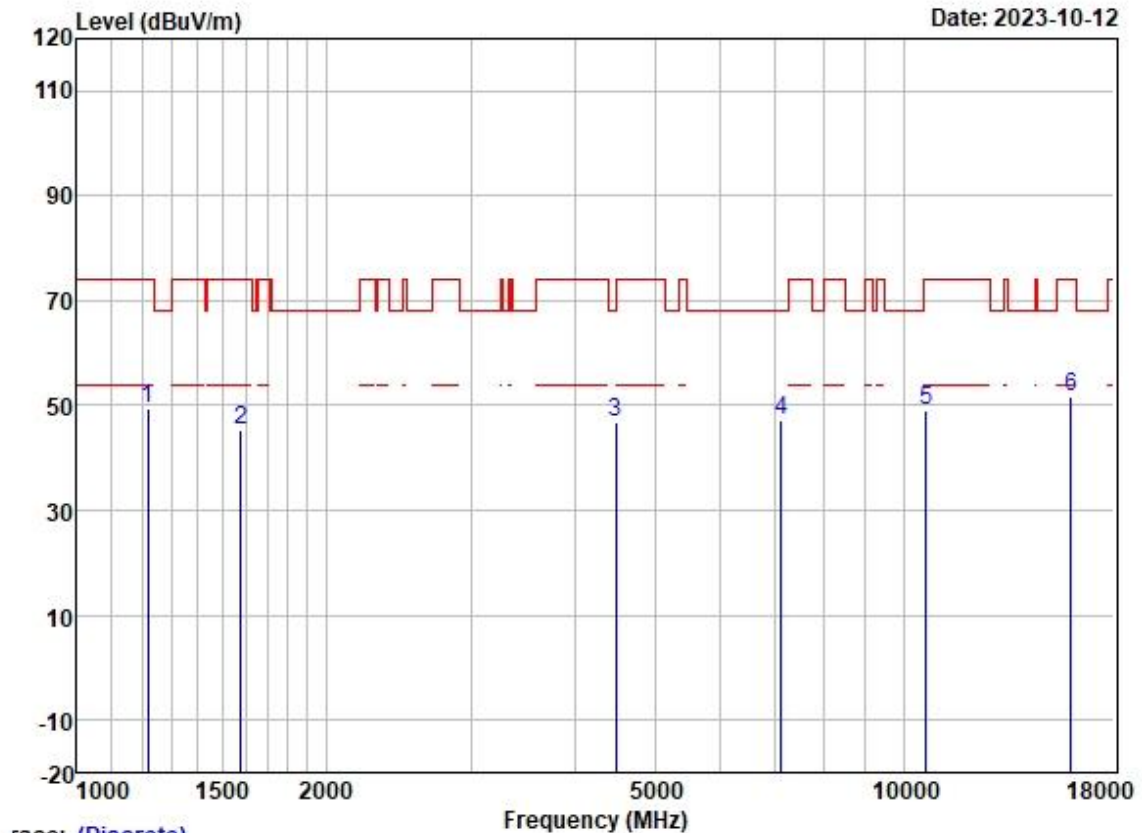


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Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1217.190	61.50	23.34	2.61	37.98	49.47	74.00	-24.53	HORIZONTAL	peak
2	1578.822	55.55	24.62	2.98	37.94	45.21	74.00	-28.79	HORIZONTAL	peak
3	4482.150	44.74	34.12	4.78	36.83	46.81	68.20	-21.39	HORIZONTAL	peak
4	7117.542	42.03	35.38	7.04	37.12	47.33	68.20	-20.87	HORIZONTAL	peak
5	10640.000	38.24	40.00	7.86	36.96	49.14	74.00	-24.86	HORIZONTAL	peak
6	15960.000	39.46	37.20	11.41	36.29	51.78	74.00	-22.22	HORIZONTAL	peak

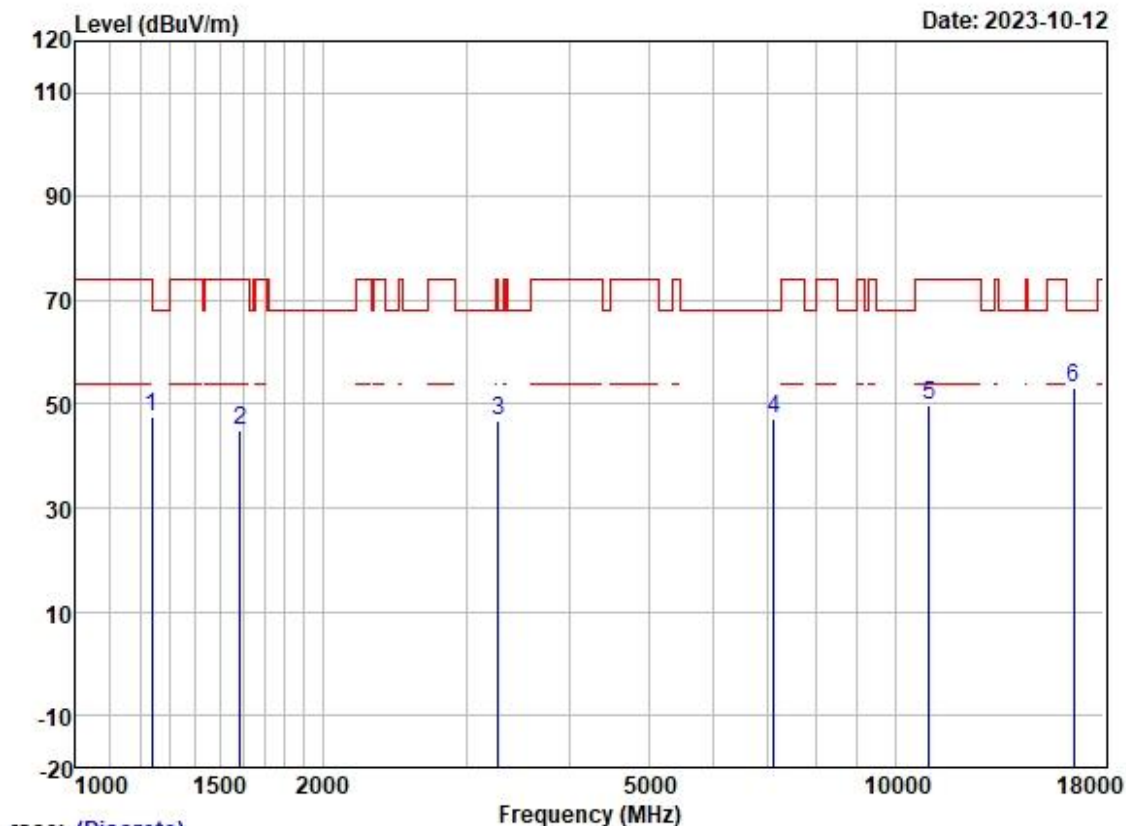


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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

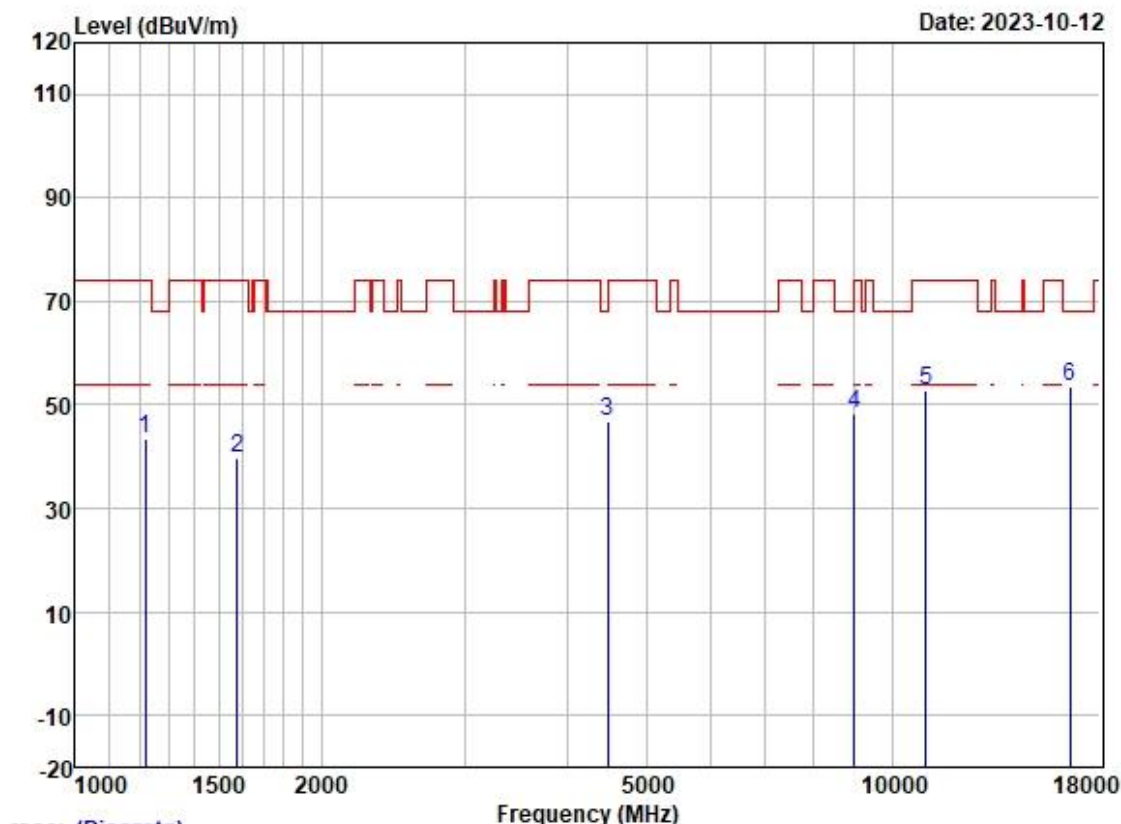
	Freq	ReadAntenna	Cable	Preamp	Limit	Over			
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1238.483	59.15	23.59	2.68	37.98	47.44	74.00	-26.56	VERTICAL peak
2	1587.975	55.21	24.65	2.99	37.94	44.91	74.00	-29.09	VERTICAL peak
3	3280.326	50.50	28.91	4.52	37.10	46.83	68.20	-21.37	VERTICAL peak
4	7117.542	41.93	35.38	7.04	37.12	47.23	68.20	-20.97	VERTICAL peak
5	11000.000	38.12	40.42	8.20	36.90	49.84	74.00	-24.16	VERTICAL peak
6	16500.000	39.02	38.70	11.73	36.17	53.28	68.20	-14.92	VERTICAL peak



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



Trace: (Discrete)

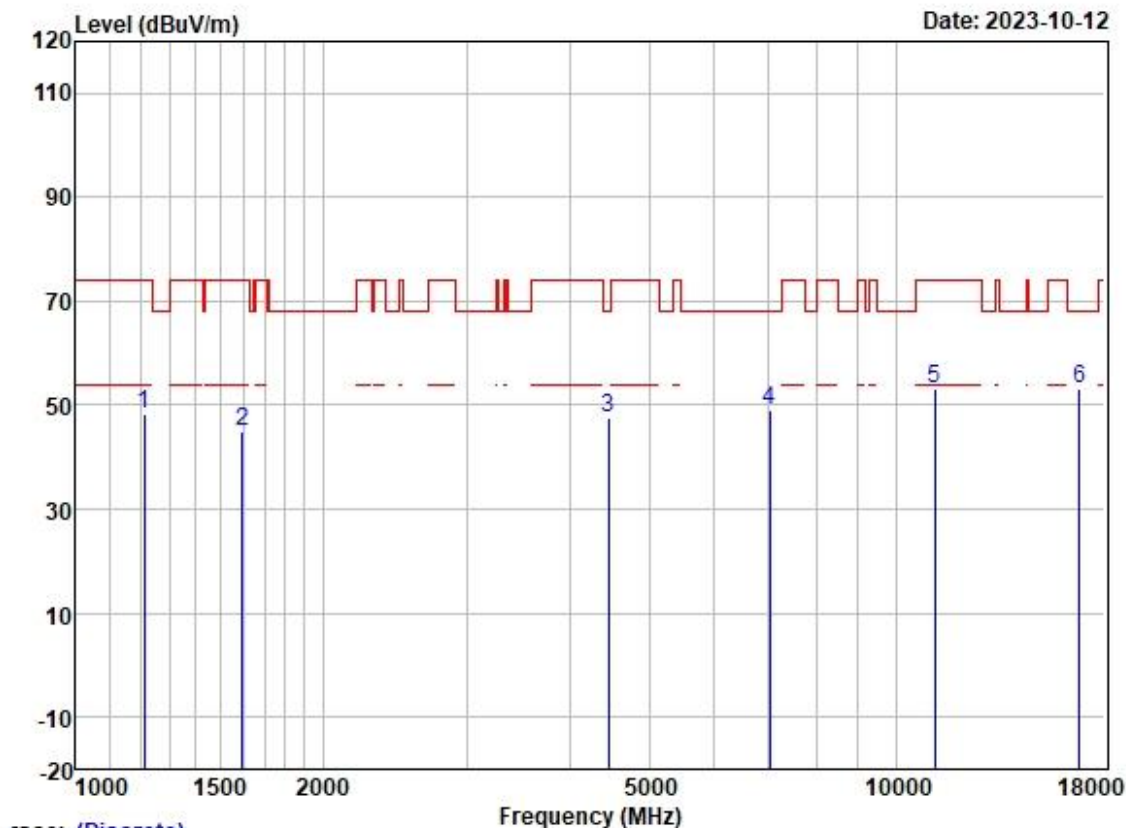
	Freq	ReadAntenna	Cable	Preamp	Limit	Over			
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1217.190	55.51	23.34	2.61	37.98	43.48	74.00	-30.52	HORIZONTAL peak
2	1578.822	50.05	24.62	2.98	37.94	39.71	74.00	-34.29	HORIZONTAL peak
3	4482.150	44.65	34.12	4.78	36.83	46.72	68.20	-21.48	HORIZONTAL peak
4	8995.123	40.54	37.59	7.21	37.10	48.24	68.20	-19.96	HORIZONTAL peak
5	11000.000	40.91	40.42	8.20	36.90	52.63	74.00	-21.37	HORIZONTAL peak
6	16500.000	39.30	38.70	11.73	36.17	53.56	68.20	-14.64	HORIZONTAL peak



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



Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp	Level	Limit	Over	Pol/Phase	Remark
	MHz	Level	Factor	Loss	Factor	Line	Limit		
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1210.174	60.58	23.26	2.59	37.99	48.44	74.00	-25.56	VERTICAL peak
2	1597.181	55.32	24.68	2.99	37.94	45.05	74.00	-28.95	VERTICAL peak
3	4456.315	45.44	34.00	4.79	36.83	47.40	68.20	-20.80	VERTICAL peak
4	7015.420	44.00	35.15	7.12	37.10	49.17	68.20	-19.03	VERTICAL peak
5	11160.000	41.40	40.37	8.35	36.87	53.25	74.00	-20.75	VERTICAL peak
6	16740.000	37.36	40.14	11.76	36.08	53.18	68.20	-15.02	VERTICAL peak

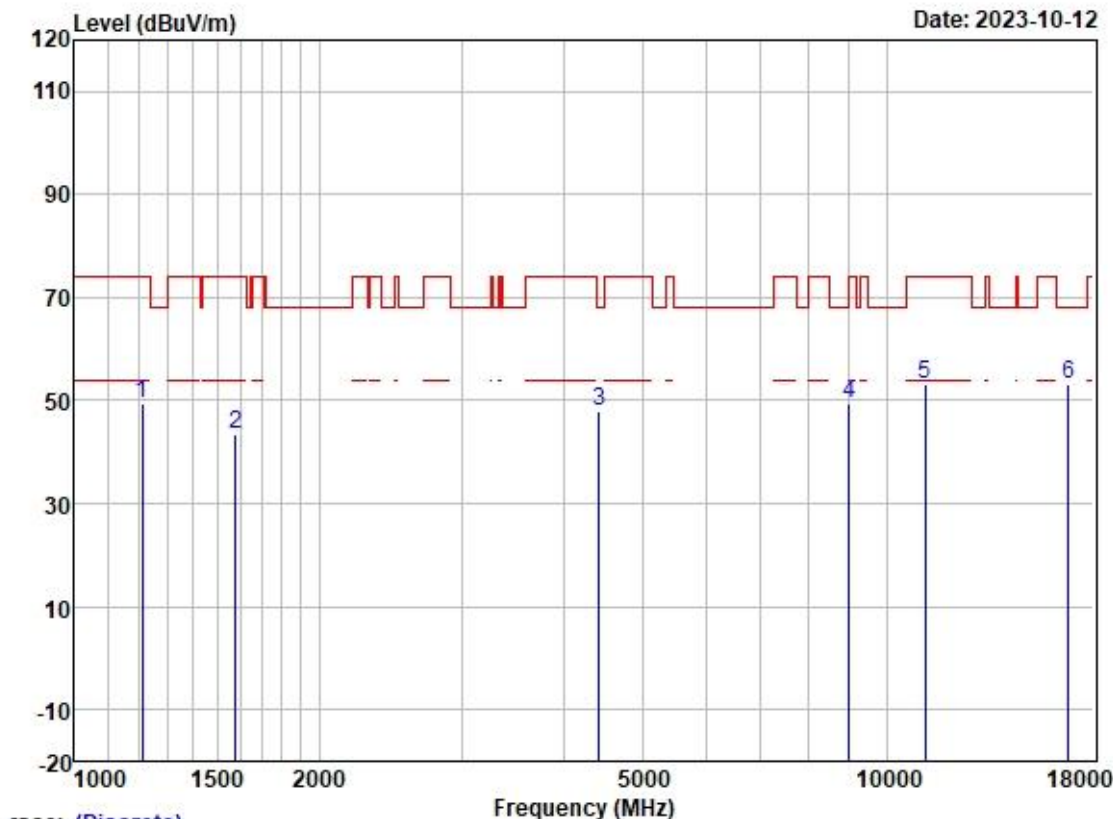


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Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1210.174	61.65	23.26	2.59	37.99	49.51	74.00	-24.49	HORIZONTAL	peak
2	1578.822	53.97	24.62	2.98	37.94	43.63	74.00	-30.37	HORIZONTAL	peak
3	4430.628	46.11	33.87	4.79	36.83	47.94	68.20	-20.26	HORIZONTAL	peak
4	8995.123	41.76	37.59	7.21	37.10	49.46	68.20	-18.74	HORIZONTAL	peak
5	11160.000	41.36	40.37	8.35	36.87	53.21	74.00	-20.79	HORIZONTAL	peak
6	16740.000	37.48	40.14	11.76	36.08	53.30	68.20	-14.90	HORIZONTAL	peak

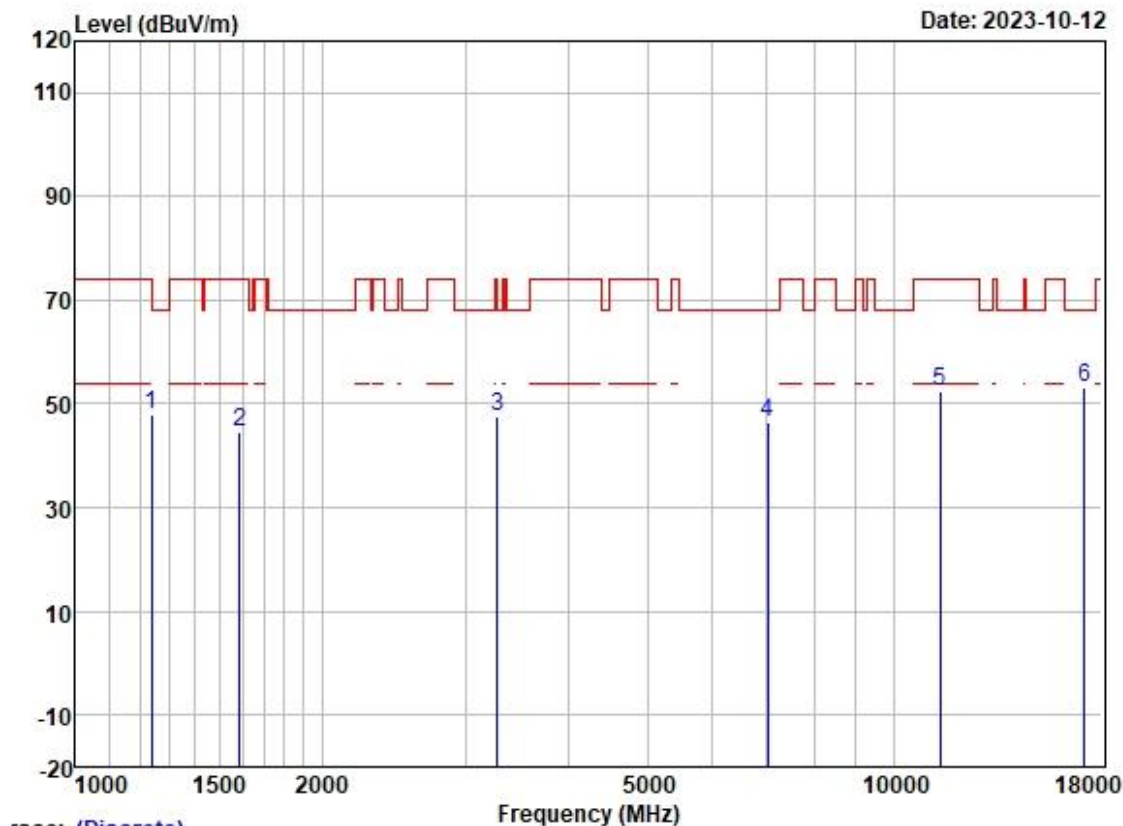


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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

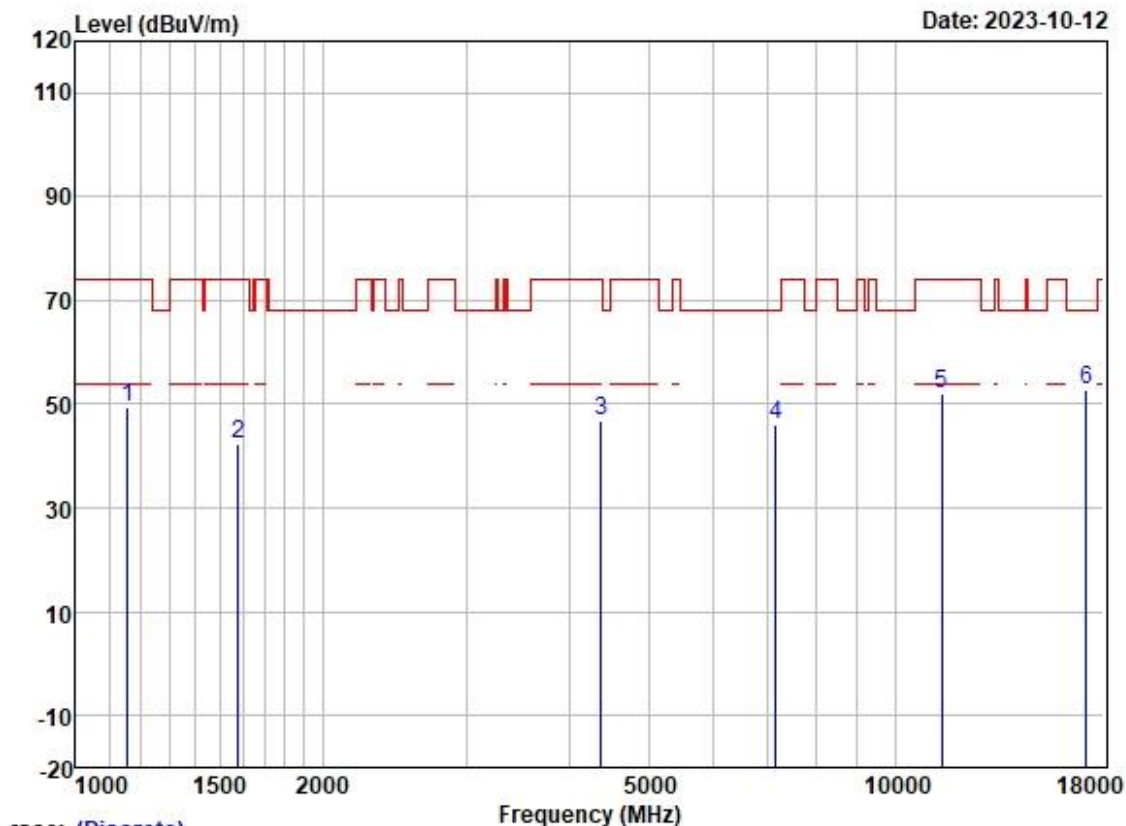
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1238.483	59.70	23.59	2.68	37.98	47.99	74.00	-26.01	VERTICAL	peak
2	1587.975	55.05	24.65	2.99	37.94	44.75	74.00	-29.25	VERTICAL	peak
3	3280.326	51.10	28.91	4.52	37.10	47.43	68.20	-20.77	VERTICAL	peak
4	7015.420	41.42	35.15	7.12	37.10	46.59	68.20	-21.61	VERTICAL	peak
5	11400.000	40.51	40.28	8.65	36.84	52.60	74.00	-21.40	VERTICAL	peak
6	17100.000	35.39	41.90	11.89	35.83	53.35	68.20	-14.85	VERTICAL	peak



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



Trace: (Discrete)

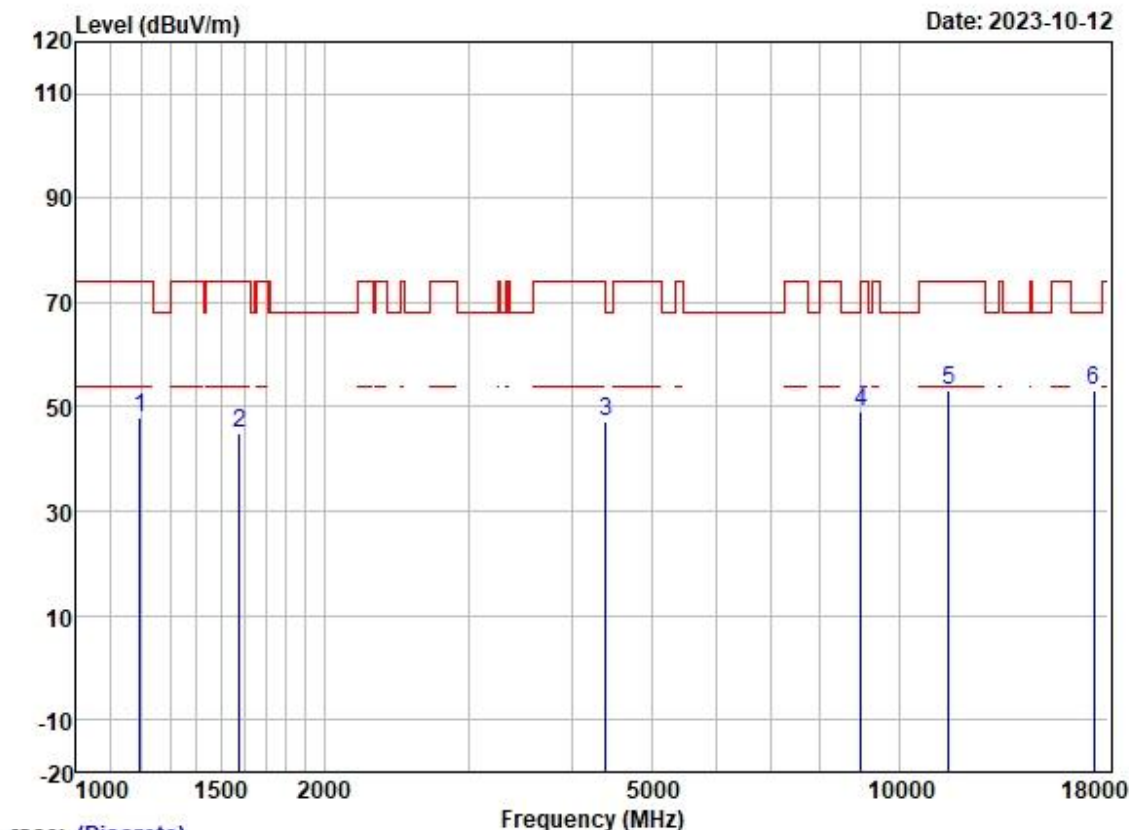
	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
		Level	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1155.483	61.97	22.89	2.47	37.99	49.34	74.00	-24.66	HORIZONTAL peak
2	1578.822	52.77	24.62	2.98	37.94	42.43	74.00	-31.57	HORIZONTAL peak
3	4379.699	45.11	33.59	4.80	36.82	46.68	74.00	-27.32	HORIZONTAL peak
4	7158.806	40.80	35.49	7.00	37.13	46.16	68.20	-22.04	HORIZONTAL peak
5	11400.000	39.89	40.28	8.65	36.84	51.98	74.00	-22.02	HORIZONTAL peak
6	17100.000	34.89	41.90	11.89	35.83	52.85	68.20	-15.35	HORIZONTAL peak



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



Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1196.264	60.31	23.14	2.55	37.99	48.01	74.00	-25.99	VERTICAL	peak
2	1578.822	55.46	24.62	2.98	37.94	45.12	74.00	-28.88	VERTICAL	peak
3	4405.090	45.41	33.74	4.79	36.82	47.12	68.20	-21.08	VERTICAL	peak
4	8995.123	41.19	37.59	7.21	37.10	48.89	68.20	-19.31	VERTICAL	peak
5	11490.000	40.93	40.25	8.75	36.83	53.10	74.00	-20.90	VERTICAL	peak
6	17235.000	34.32	42.50	12.09	35.74	53.17	68.20	-15.03	VERTICAL	peak

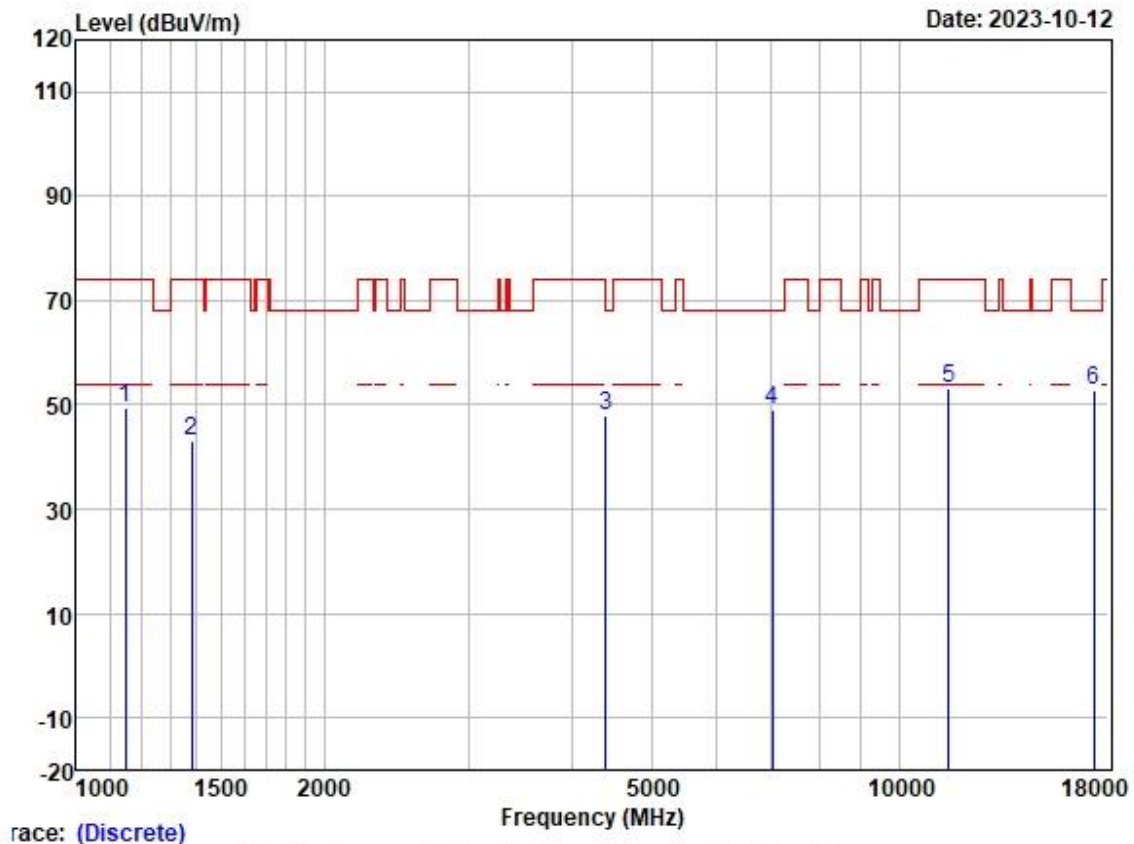


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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1148.823	62.10	22.86	2.46	37.99	49.43	74.00	-24.57	HORIZONTAL	peak
2	1382.262	54.04	24.22	2.88	37.97	43.17	74.00	-30.83	HORIZONTAL	peak
3	4405.090	46.28	33.74	4.79	36.82	47.99	68.20	-20.21	HORIZONTAL	peak
4	7015.420	43.76	35.15	7.12	37.10	48.93	68.20	-19.27	HORIZONTAL	peak
5	11490.000	41.03	40.25	8.75	36.83	53.20	74.00	-20.80	HORIZONTAL	peak
6	17235.000	33.93	42.50	12.09	35.74	52.78	68.20	-15.42	HORIZONTAL	peak

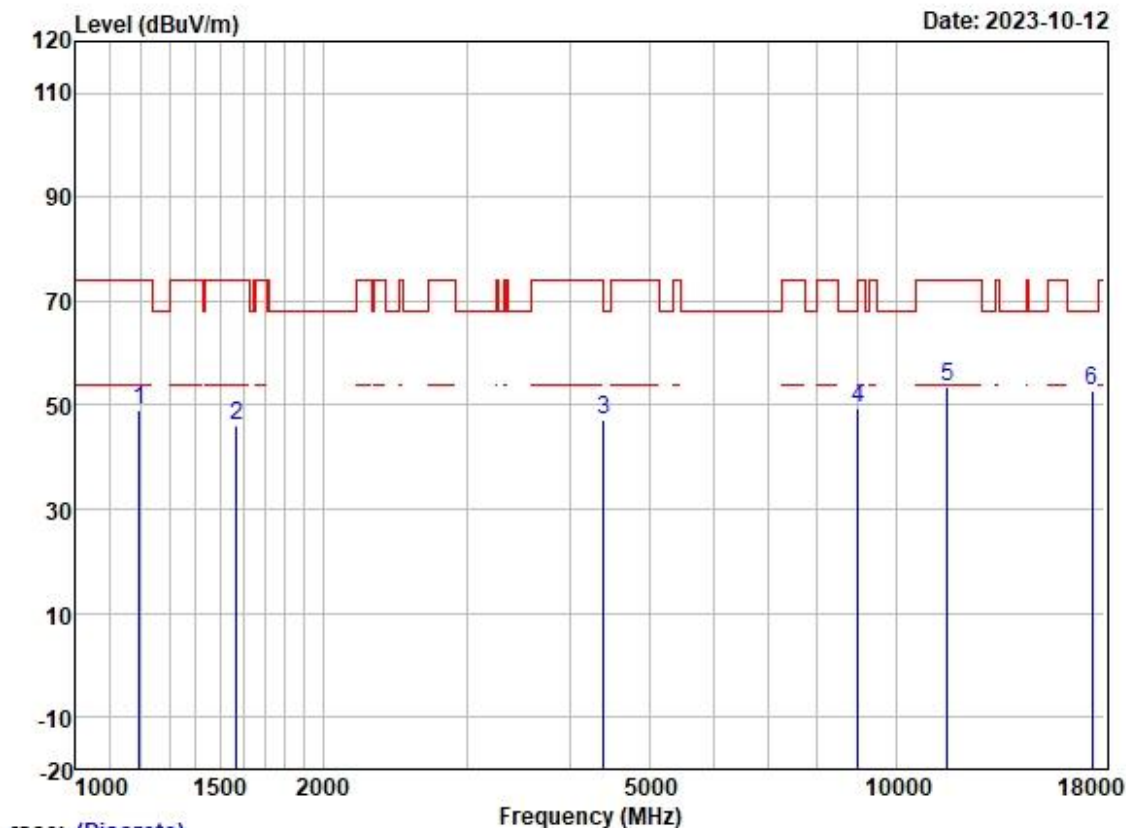


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Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Trace: (Discrete)

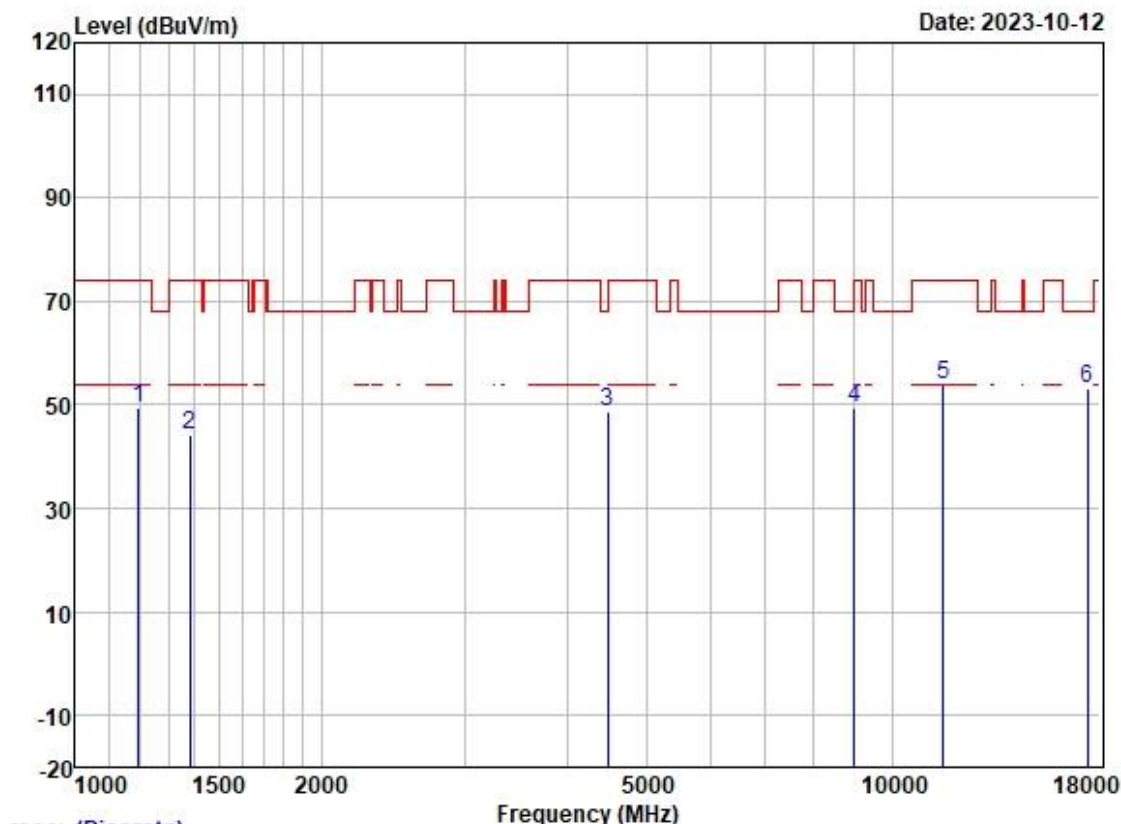
	Freq	ReadAntenna	Cable	Preamp	Level	Limit	Over	Pol/Phase	Remark
	MHz	Level	Factor	Loss	Factor	Line	Limit		
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1196.264	61.27	23.14	2.55	37.99	48.97	74.00	-25.03	VERTICAL peak
2	1569.721	56.28	24.60	2.97	37.94	45.91	74.00	-28.09	VERTICAL peak
3	4405.090	45.53	33.74	4.79	36.82	47.24	68.20	-20.96	VERTICAL peak
4	8995.123	41.59	37.59	7.21	37.10	49.29	68.20	-18.91	VERTICAL peak
5	11570.000	41.25	40.09	8.88	36.82	53.40	74.00	-20.60	VERTICAL peak
6	17355.000	33.38	42.92	12.22	35.69	52.83	68.20	-15.37	VERTICAL peak



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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Trace: (Discrete)

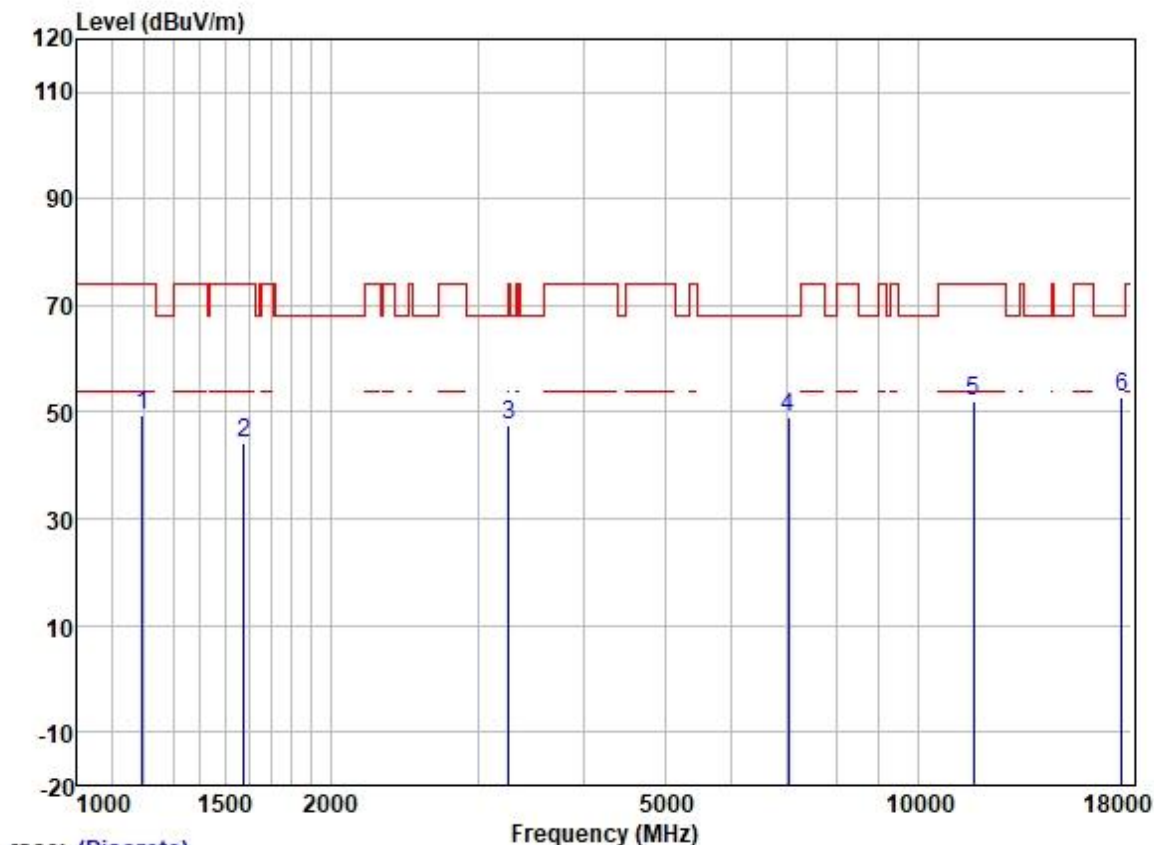
	Freq	ReadAntenna	Cable	Preamp	Limit	Over			
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1196.264	61.79	23.14	2.55	37.99	49.49	74.00	-24.51	HORIZONTAL peak
2	1382.262	55.14	24.22	2.88	37.97	44.27	74.00	-29.73	HORIZONTAL peak
3	4482.150	46.53	34.12	4.78	36.83	48.60	68.20	-19.60	HORIZONTAL peak
4	8995.123	41.80	37.59	7.21	37.10	49.50	68.20	-18.70	HORIZONTAL peak
5	11570.000	41.61	40.09	8.88	36.82	53.76	74.00	-20.24	HORIZONTAL peak
6	17355.000	33.75	42.92	12.22	35.69	53.20	68.20	-15.00	HORIZONTAL peak



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



Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp	Limit	Over			
	MHz	Level	Loss	Factor	Line	Limit	Pol/Phase	Remark	
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dB		
1	1196.264	61.79	23.14	2.55	37.99	49.49	74.00	-24.51	VERTICAL peak
2	1578.822	54.69	24.62	2.98	37.94	44.35	74.00	-29.65	VERTICAL peak
3	3261.418	51.13	28.89	4.50	37.10	47.42	74.00	-26.58	VERTICAL peak
4	7015.420	43.98	35.15	7.12	37.10	49.15	68.20	-19.05	VERTICAL peak
5	11650.000	40.09	39.91	9.04	36.82	52.22	74.00	-21.78	VERTICAL peak
6	17475.000	32.76	43.43	12.39	35.64	52.94	68.20	-15.26	VERTICAL peak

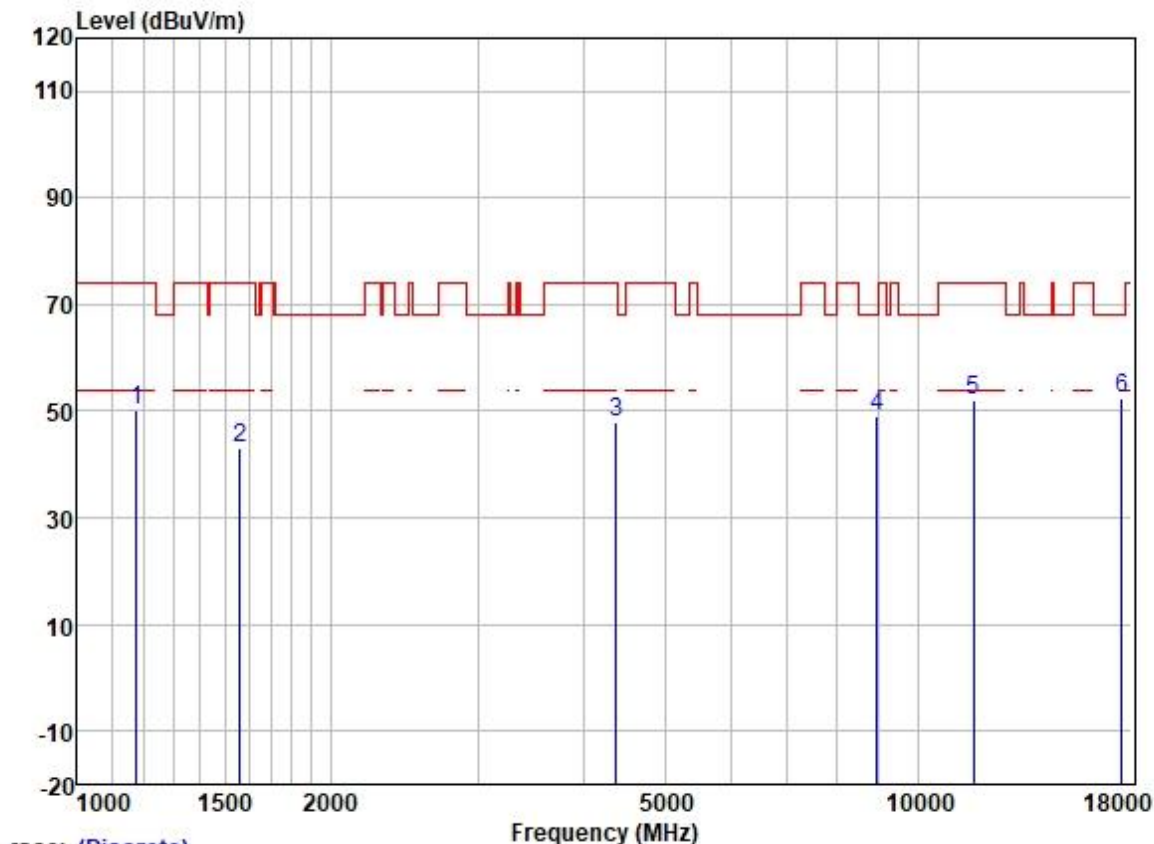


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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



	Freq	ReadAntenna	Cable	Preamp	Limit	Over			
	MHz	Level	Loss	Factor	Line	Limit	Pol/Phase	Remark	
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dB		
1	1175.697	62.62	23.00	2.51	37.99	50.14	74.00	-23.86	HORIZONTAL peak
2	1560.673	53.51	24.57	2.97	37.94	43.11	74.00	-30.89	HORIZONTAL peak
3	4379.699	46.48	33.59	4.80	36.82	48.05	74.00	-25.95	HORIZONTAL peak
4	8943.274	41.57	37.50	7.22	37.11	49.18	68.20	-19.02	HORIZONTAL peak
5	11650.000	40.09	39.91	9.04	36.82	52.22	74.00	-21.78	HORIZONTAL peak
6	17475.000	32.41	43.43	12.39	35.64	52.59	68.20	-15.61	HORIZONTAL peak



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## 7.10 Radiated Emissions which fall in the restricted bands

Test Requirement 47 CFR Part 15, Subpart C 15.209 &amp; 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
Above 960	500	3

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

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

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

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

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

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

### 7.10.1 E.U.T. Operation

Operating Environment:

Temperature: 23.3 °C

Humidity: 56.4 % RH

Atmospheric Pressure: 1000 mbar



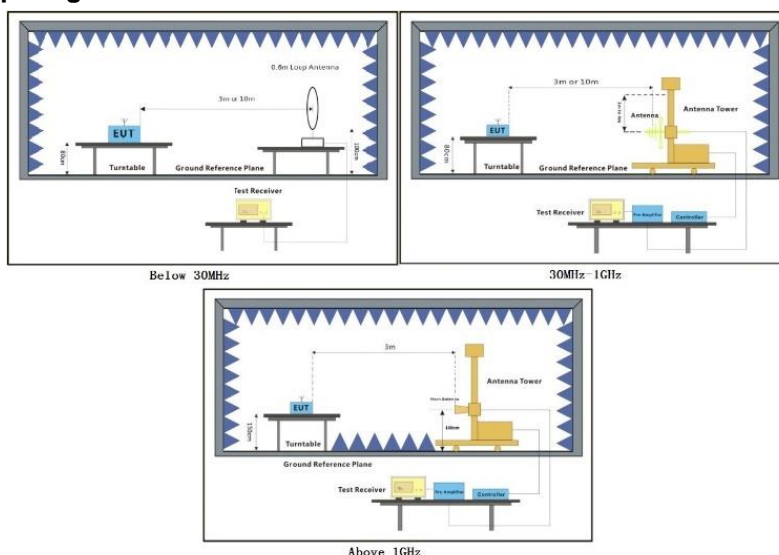
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### 7.10.2 Test Mode Description

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 20, 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 20, 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 20, 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 20, Only the data of worst case is recorded in the report.

### 7.10.3 Test Setup Diagram



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## 7.10.4 Measurement Procedure and Data

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

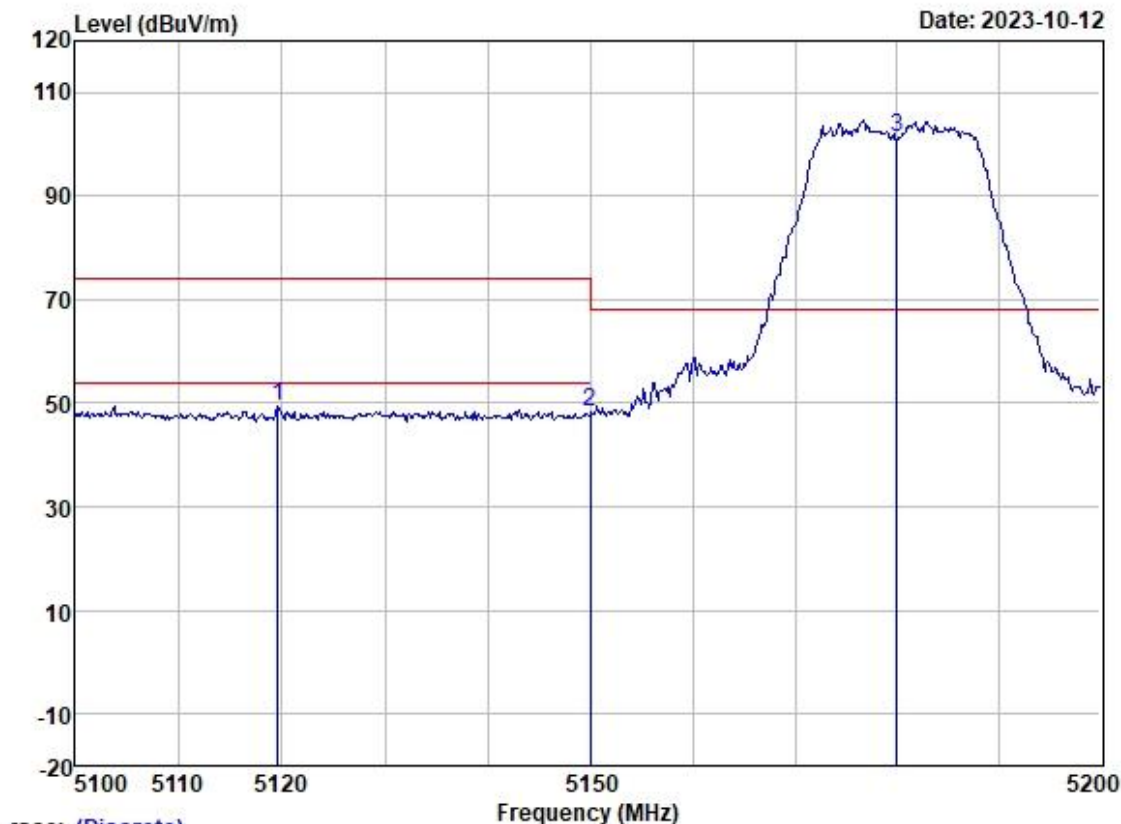


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Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



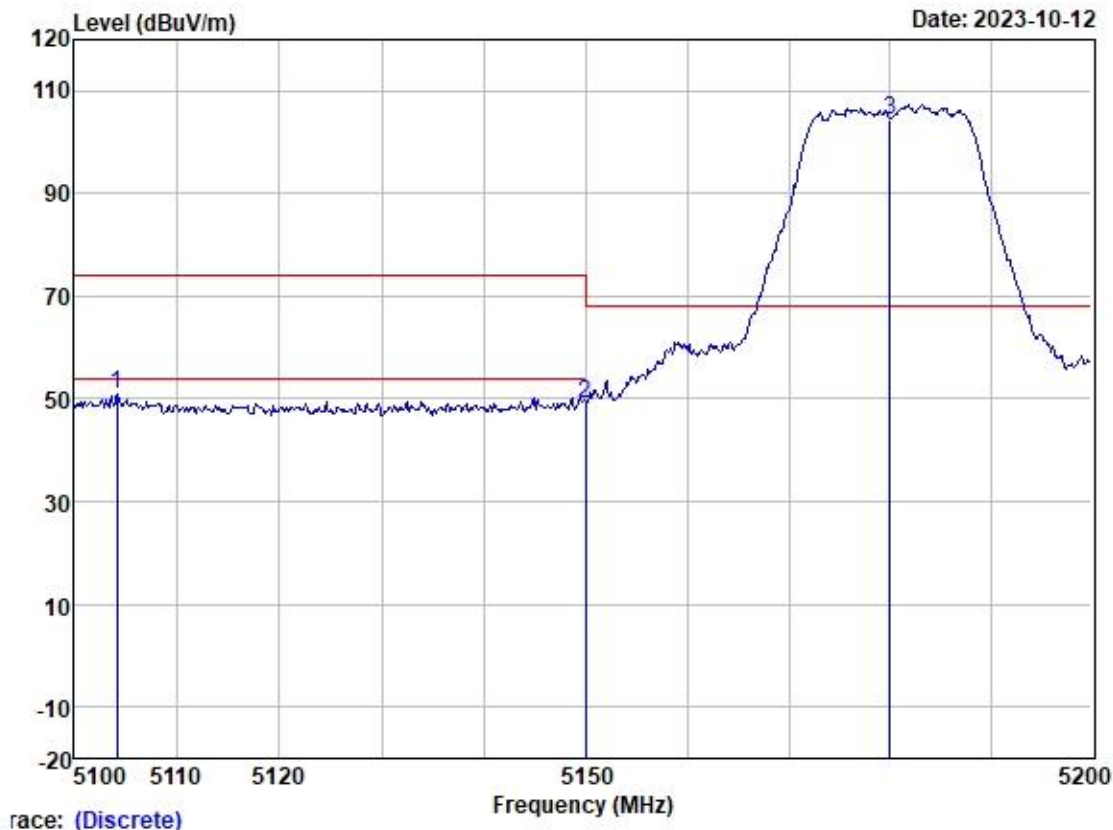
	Freq	ReadAntenna	Cable	Preamp	Limit	Over			
	MHz	Level	Loss	Factor	Line	Limit	Pol/Phase	Remark	
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5119.646	47.27	33.88	5.37	36.93	49.59	74.00	-24.41	VERTICAL Peak
2	5150.000	46.02	33.79	5.38	36.93	48.26	68.20	-19.94	VERTICAL Peak
3 *	5180.000	99.35	33.69	5.40	36.93	101.51	68.20	33.31	VERTICAL Peak



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

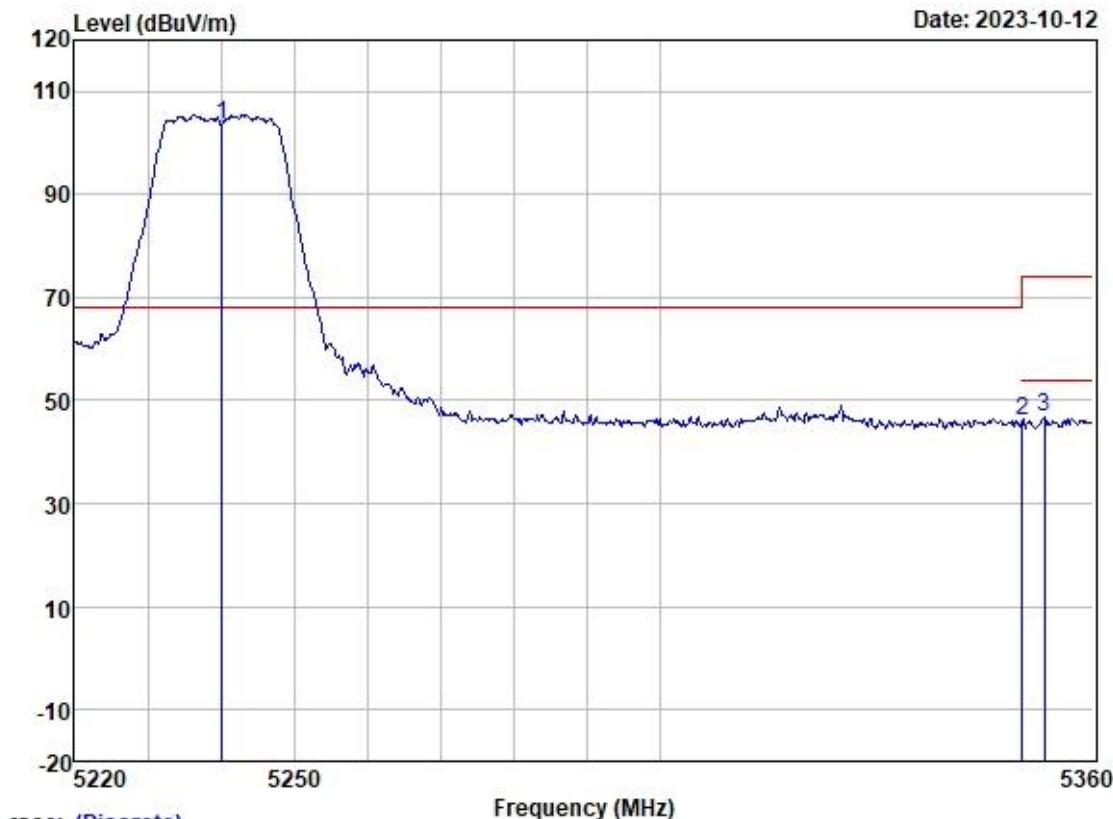


Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5104.161	48.72	33.92	5.36	36.92	51.08	74.00	-22.92	HORIZONTAL	Peak
2	5150.000	46.66	33.79	5.38	36.93	48.90	68.20	-19.30	HORIZONTAL	Peak
3 *	5180.000	102.06	33.69	5.40	36.93	104.22	68.20	36.02	HORIZONTAL	Peak



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



Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5240.000	101.48	33.45	5.45	36.94	103.44	68.20	35.24	VERTICAL	Peak
2	5350.000	44.43	33.00	5.55	36.96	46.02	68.20	-22.18	VERTICAL	Peak
3	5353.053	45.29	33.00	5.55	36.96	46.88	74.00	-27.12	VERTICAL	Peak

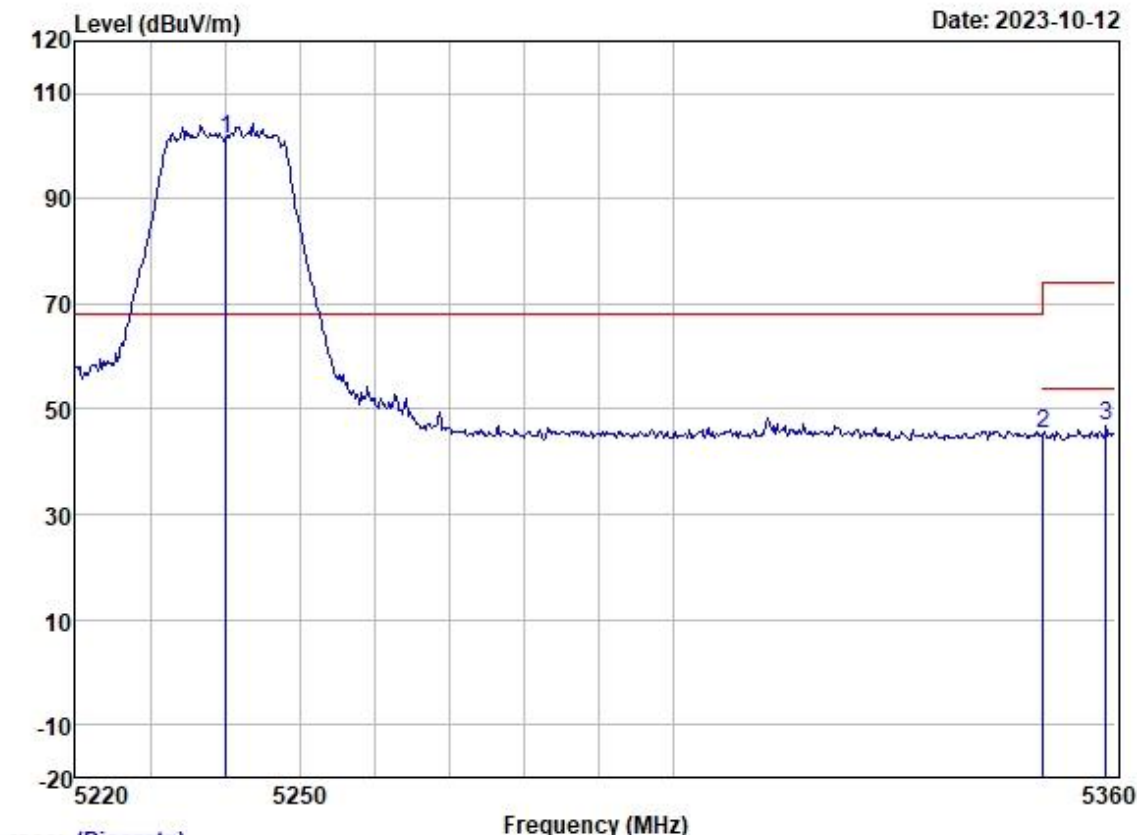


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Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

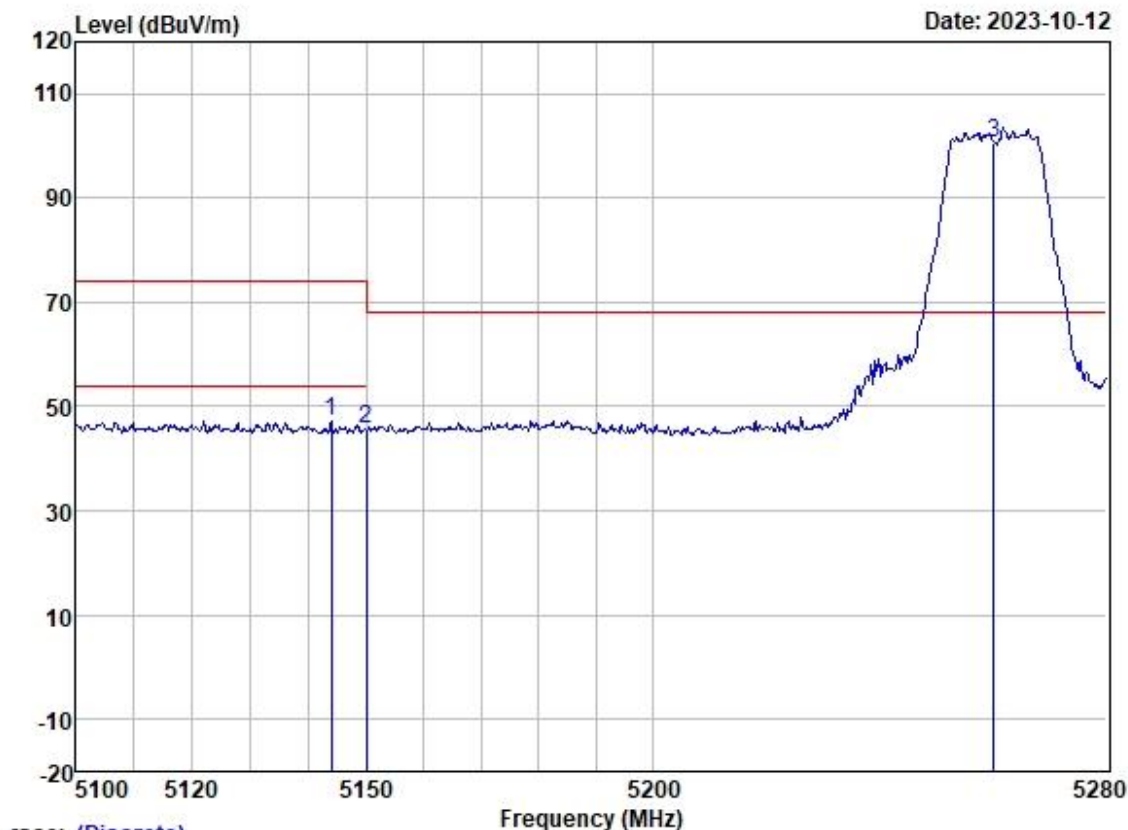
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5240.000	99.35	33.45	5.45	36.94	101.31	68.20	33.11	HORIZONTAL	Peak
2	5350.000	43.57	33.00	5.55	36.96	45.16	68.20	-23.04	HORIZONTAL	Peak
3	5358.582	45.12	32.95	5.56	36.96	46.67	74.00	-27.33	HORIZONTAL	Peak



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



Trace: (Discrete)

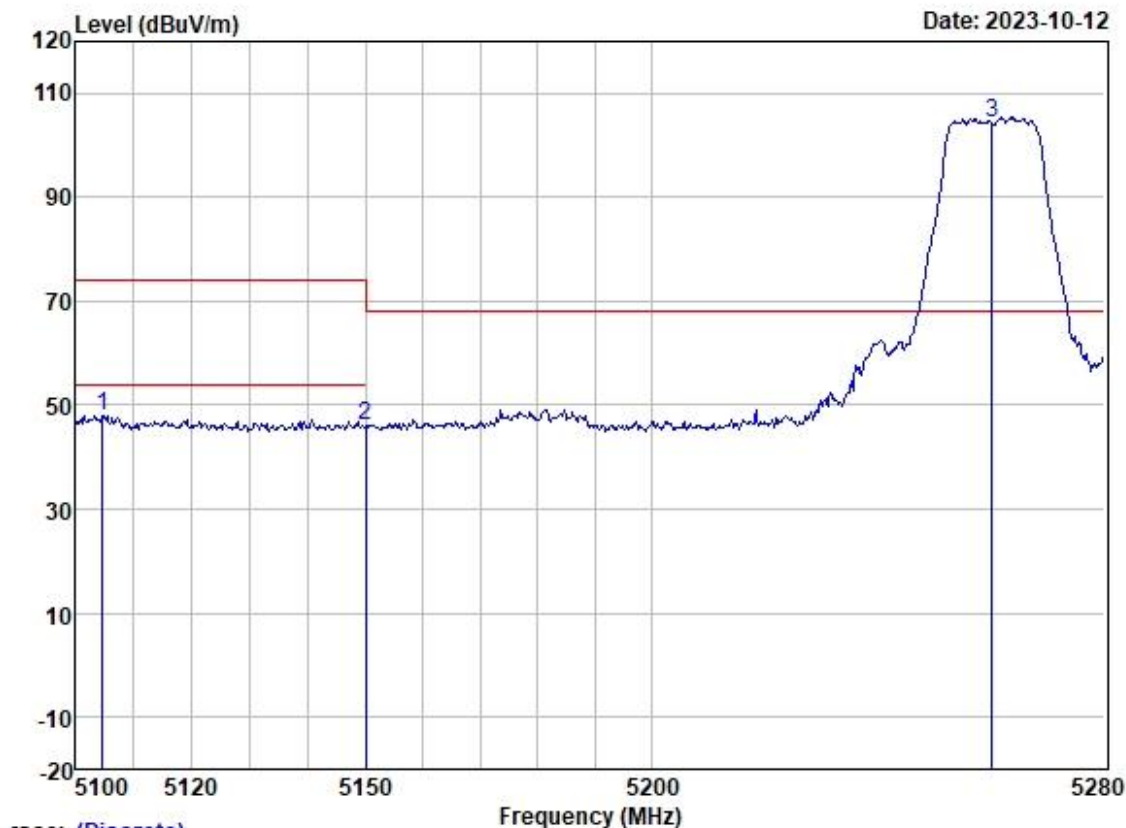
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5144.060	45.14	33.79	5.38	36.93	47.38	74.00	-26.62	VERTICAL	Peak
2	5150.000	43.45	33.79	5.38	36.93	45.69	68.20	-22.51	VERTICAL	Peak
3 *	5260.000	98.53	33.38	5.47	36.94	100.44	68.20	32.24	VERTICAL	Peak



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



Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5104.602	45.75	33.92	5.36	36.92	48.11	74.00	-25.89	HORIZONTAL	Peak
2	5150.000	43.71	33.79	5.38	36.93	45.95	68.20	-22.25	HORIZONTAL	Peak
3 *	5260.000	102.41	33.38	5.47	36.94	104.32	68.20	36.12	HORIZONTAL	Peak

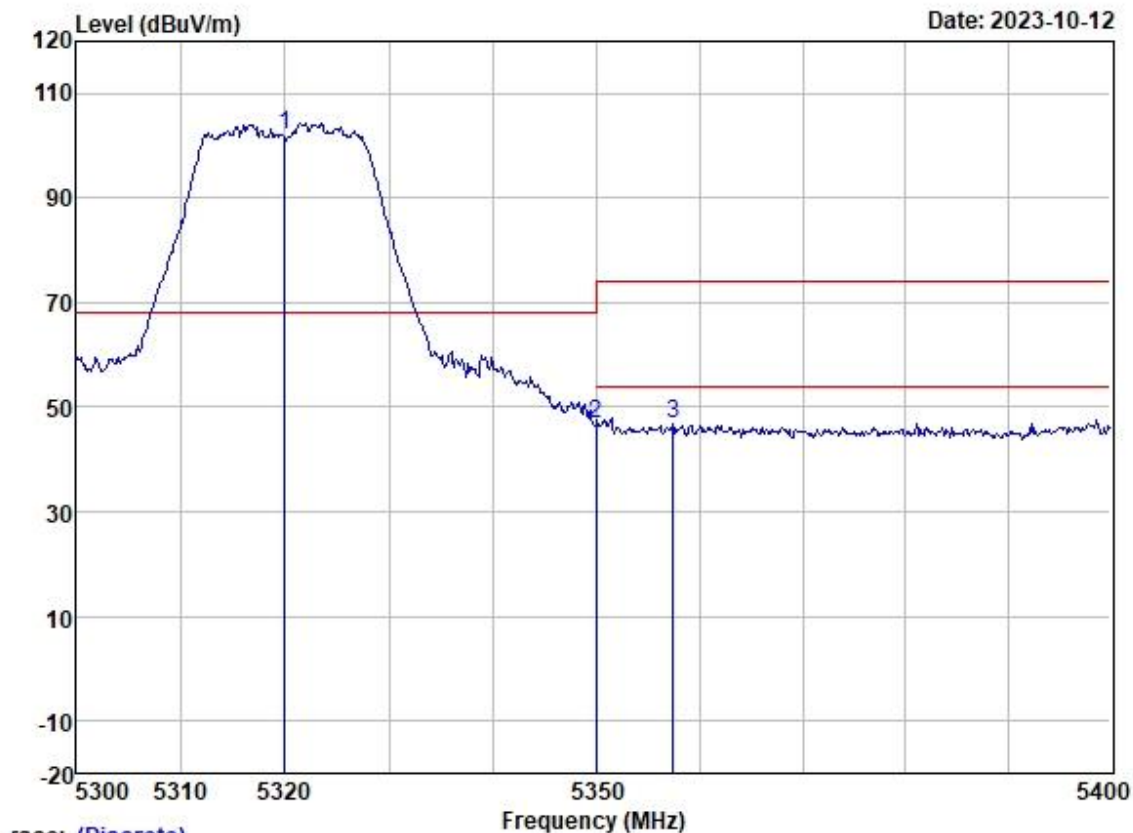


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Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

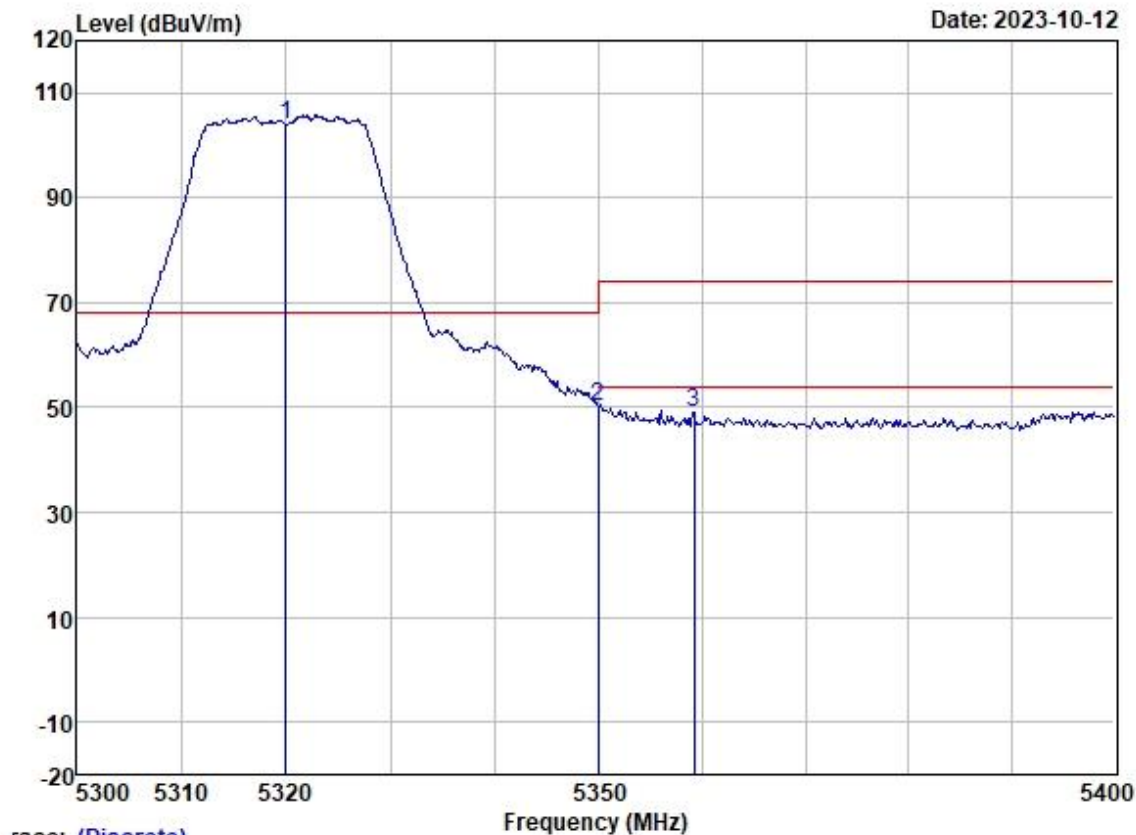
	Freq	ReadAntenna	Cable	Preamp	Level	Limit	Over	Pol/Phase	Remark
	MHz	Level	Factor	Loss	Factor	Line	Limit		
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 *	5320.000	100.51	33.11	5.53	36.95	102.20	68.20	34.00	VERTICAL Peak
2	5350.000	45.35	33.00	5.55	36.96	46.94	68.20	-21.26	VERTICAL Peak
3	5357.472	45.32	32.95	5.56	36.96	46.87	74.00	-27.13	VERTICAL Peak



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



Trace: (Discrete)

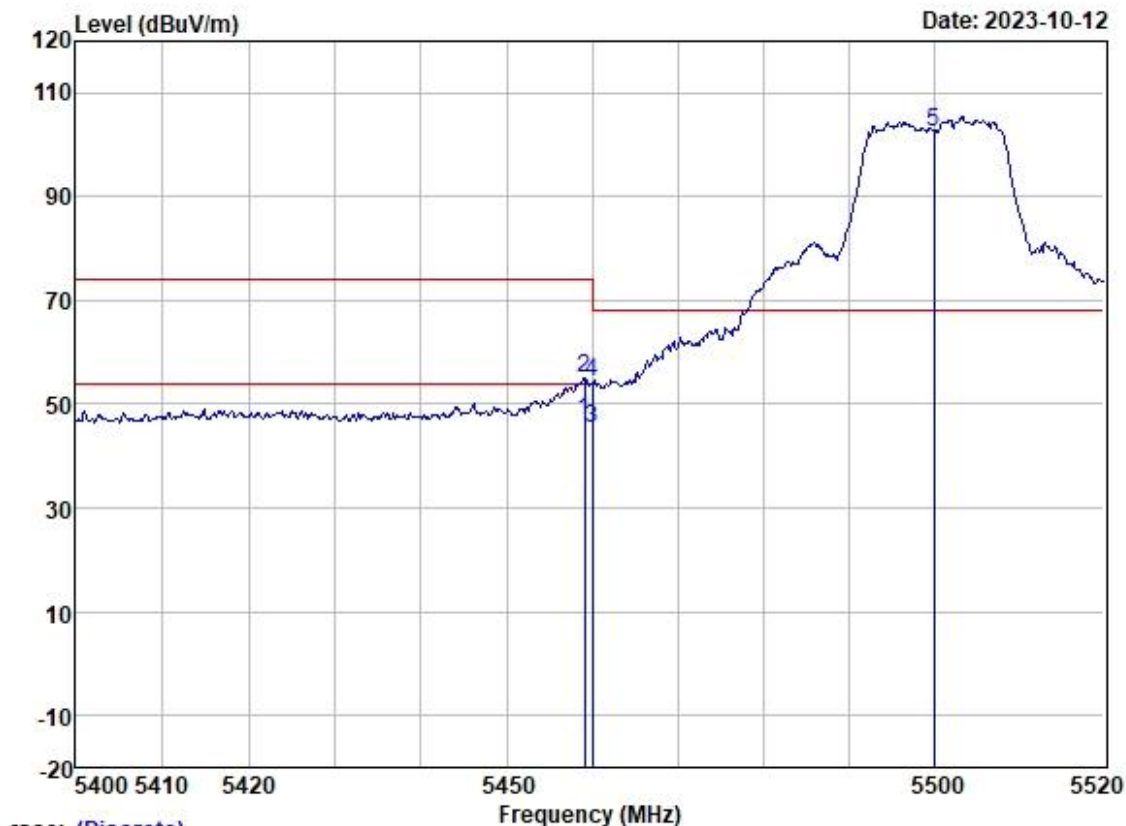
	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 *	5320.000	102.19	33.11	5.53	36.95	103.88	68.20	35.68	HORIZONTAL Peak
2	5350.000	48.72	33.00	5.55	36.96	50.31	68.20	-17.89	HORIZONTAL Peak
3	5359.274	47.66	32.95	5.56	36.96	49.21	74.00	-24.79	HORIZONTAL Peak



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



Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
		Level	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5459.070	45.53	32.71	5.61	36.96	46.89	54.00	-7.11	VERTICAL Average
2	5459.070	53.73	32.71	5.61	36.96	55.09	74.00	-18.91	VERTICAL Peak
3	5460.000	43.96	32.71	5.61	36.96	45.32	54.00	-8.68	VERTICAL Average
4	5460.000	53.06	32.71	5.61	36.96	54.42	68.20	-13.78	VERTICAL Peak
5 *	5500.000	101.22	32.61	5.63	36.97	102.49	68.20	34.29	VERTICAL Peak

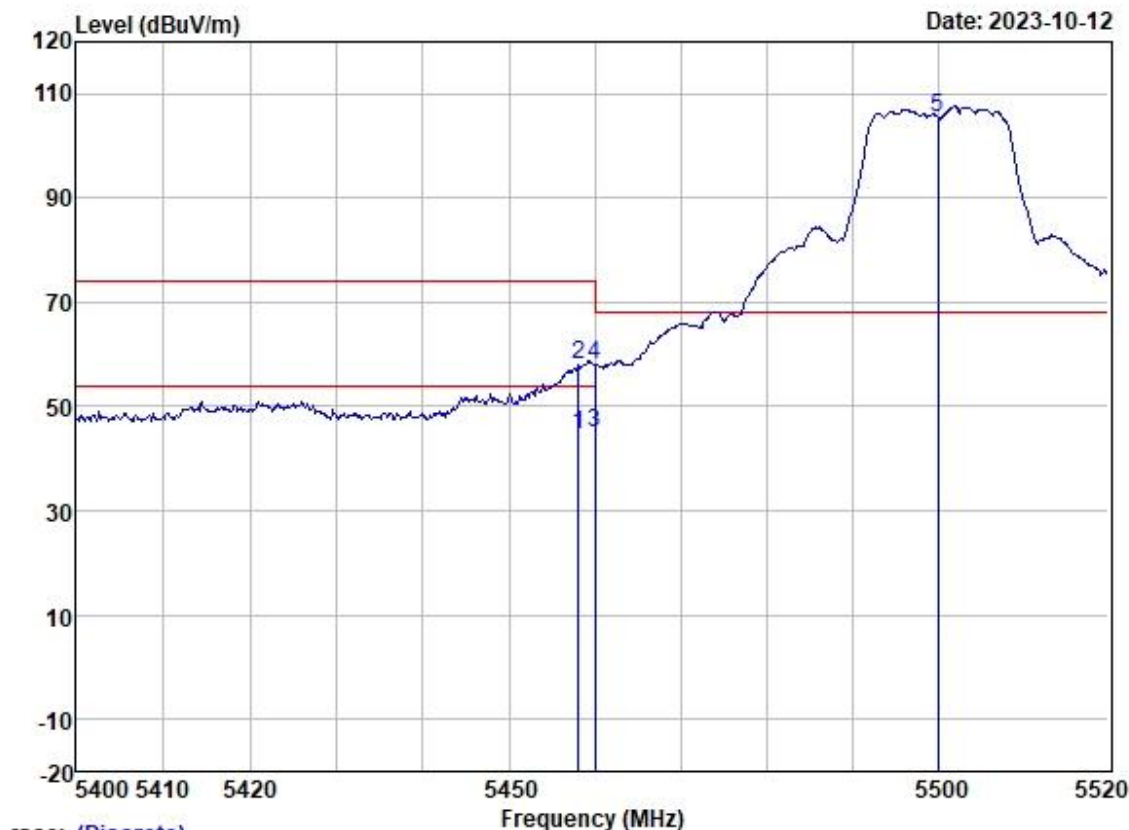


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Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Trace: (Discrete)

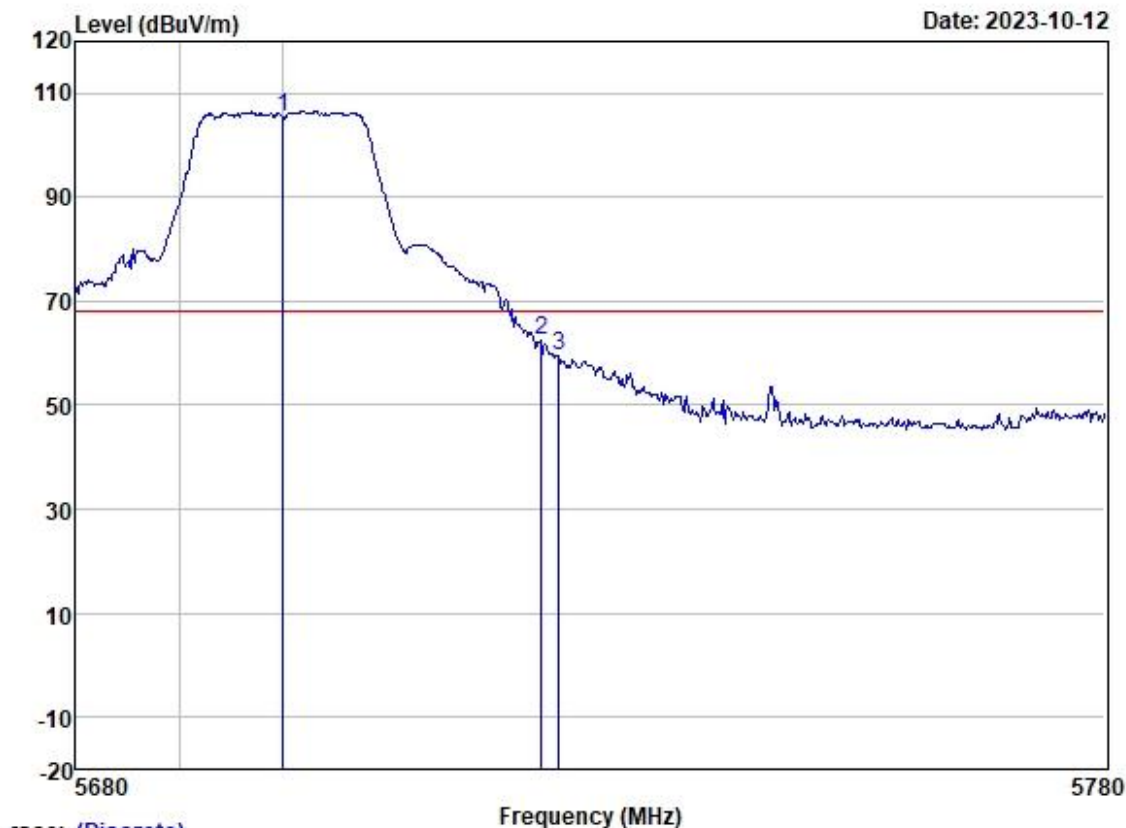
	Freq	Read Level	Antenna Factor	Cable Loss	Preamplifier Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5457.991	43.35	32.71	5.61	36.96	44.71	54.00	-9.29	HORIZONTAL	Average
2	5457.991	56.82	32.71	5.61	36.96	58.18	74.00	-15.82	HORIZONTAL	Peak
3	5460.000	43.68	32.71	5.61	36.96	45.04	54.00	-8.96	HORIZONTAL	Average
4	5460.000	56.72	32.71	5.61	36.96	58.08	68.20	-10.12	HORIZONTAL	Peak
5 *	5500.000	104.02	32.61	5.63	36.97	105.29	68.20	37.09	HORIZONTAL	Peak



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



Trace: (Discrete)

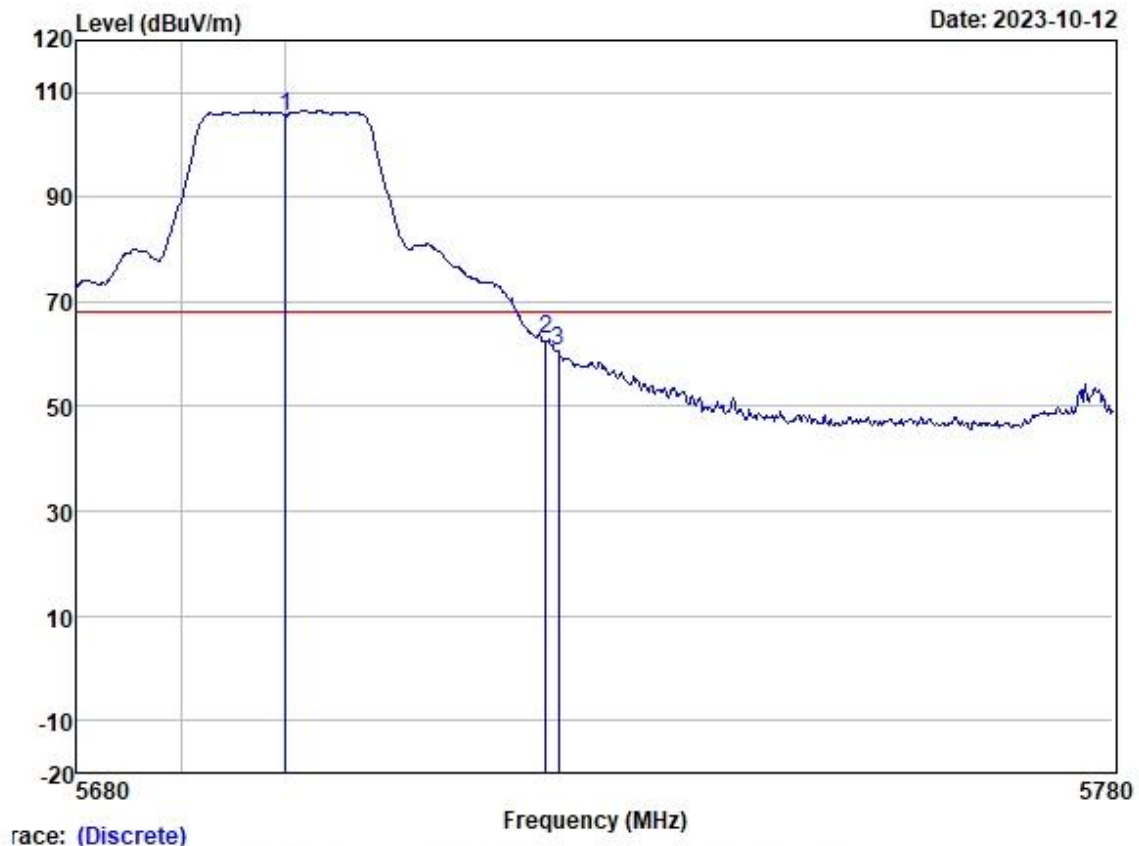
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5700.000	104.04	32.64	5.70	36.98	105.40	68.20	37.20	VERTICAL	Peak
2	5725.000	61.04	32.65	5.72	36.98	62.43	68.20	-5.77	VERTICAL	Peak
3	5726.683	58.16	32.65	5.72	36.98	59.55	68.20	-8.65	VERTICAL	Peak



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



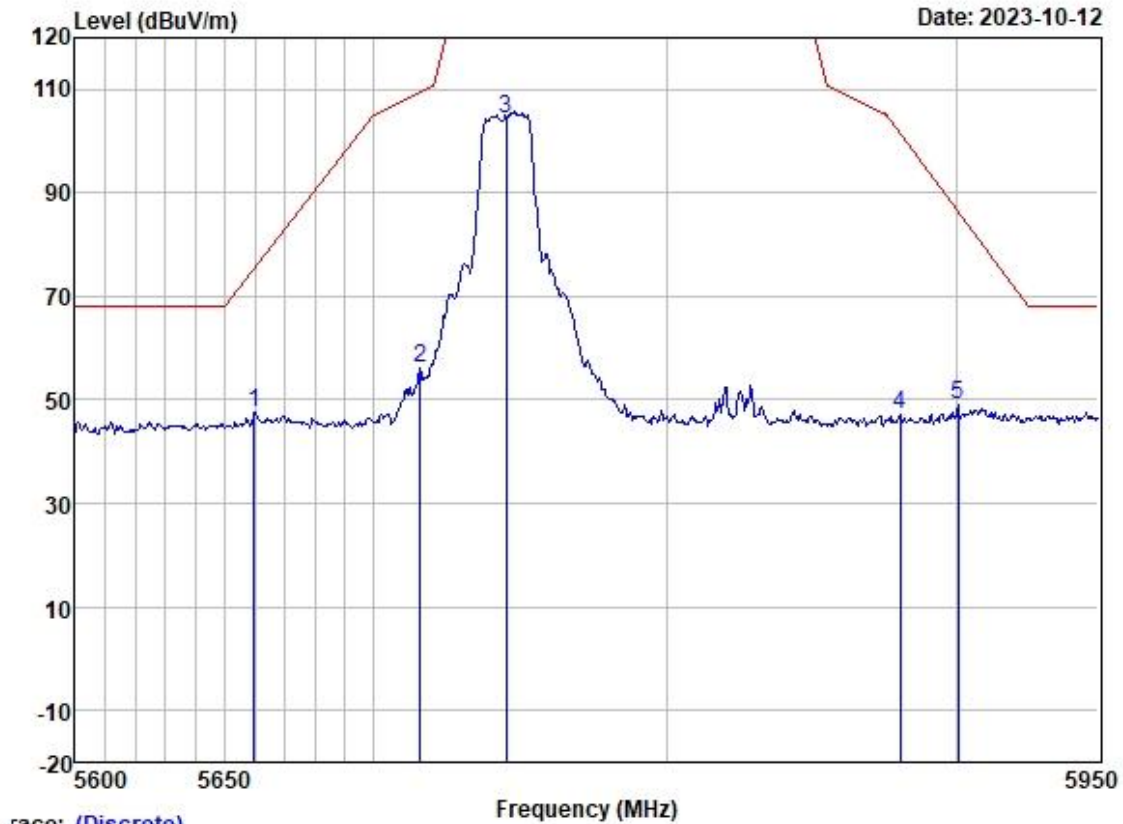
Trace: (Discrete)

	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamplifier Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	5700.000	104.09	32.64	5.70	36.98	105.45	68.20	37.25	HORIZONTAL	Peak
2	5725.000	61.47	32.65	5.72	36.98	62.86	68.20	-5.34	HORIZONTAL	Peak
3	5726.283	59.13	32.65	5.72	36.98	60.52	68.20	-7.68	HORIZONTAL	Peak





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



Trace: (Discrete)

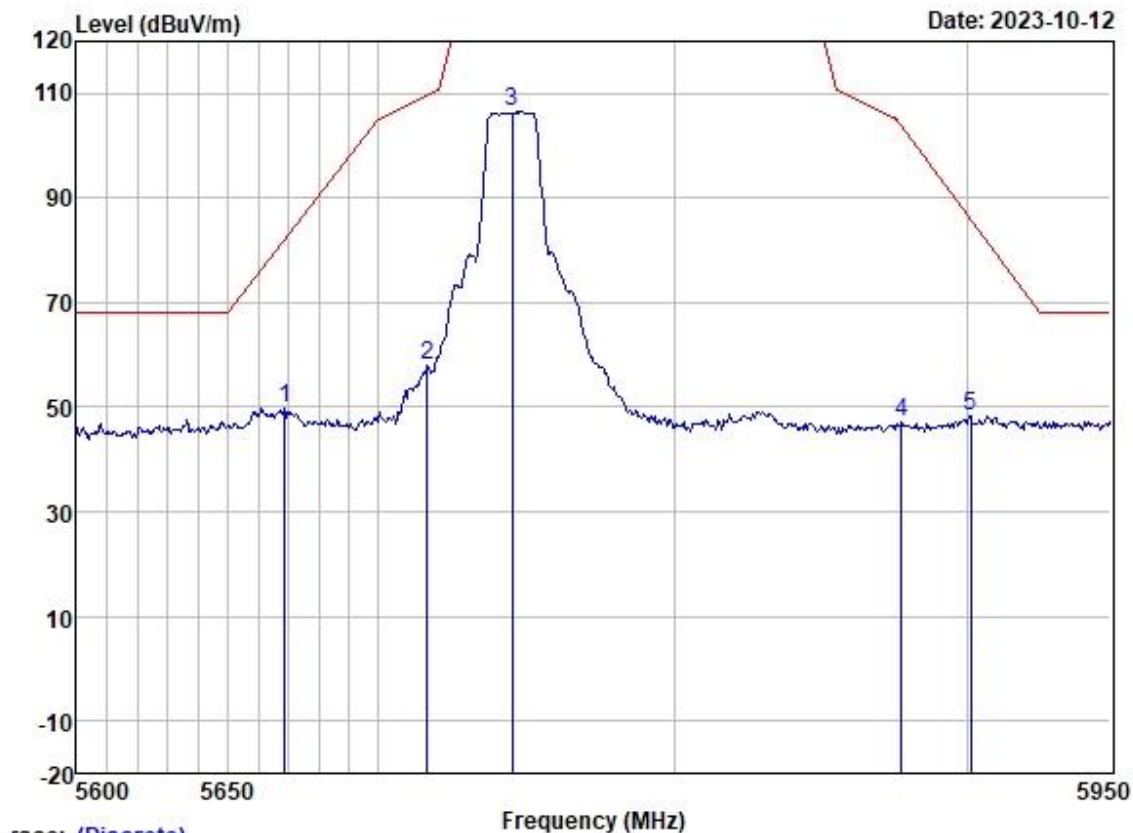
	Freq	ReadAntenna	Cable	Preamp	Limit	Over			
	MHz	Level	Loss	Factor	Line	Limit	Pol/Phase	Remark	
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5659.729	46.19	32.64	5.69	36.98	47.54	75.42	-27.88	VERTICAL Peak
2	5715.587	54.69	32.65	5.71	36.98	56.07	109.57	-53.50	VERTICAL Peak
3	5745.000	102.78	32.65	5.74	36.99	104.18	125.20	-21.02	VERTICAL Peak
4	5880.431	45.57	32.68	5.80	36.99	47.06	101.23	-54.17	VERTICAL Peak
5	5900.787	47.40	32.69	5.81	36.99	48.91	86.11	-37.20	VERTICAL Peak



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



Trace: (Discrete)

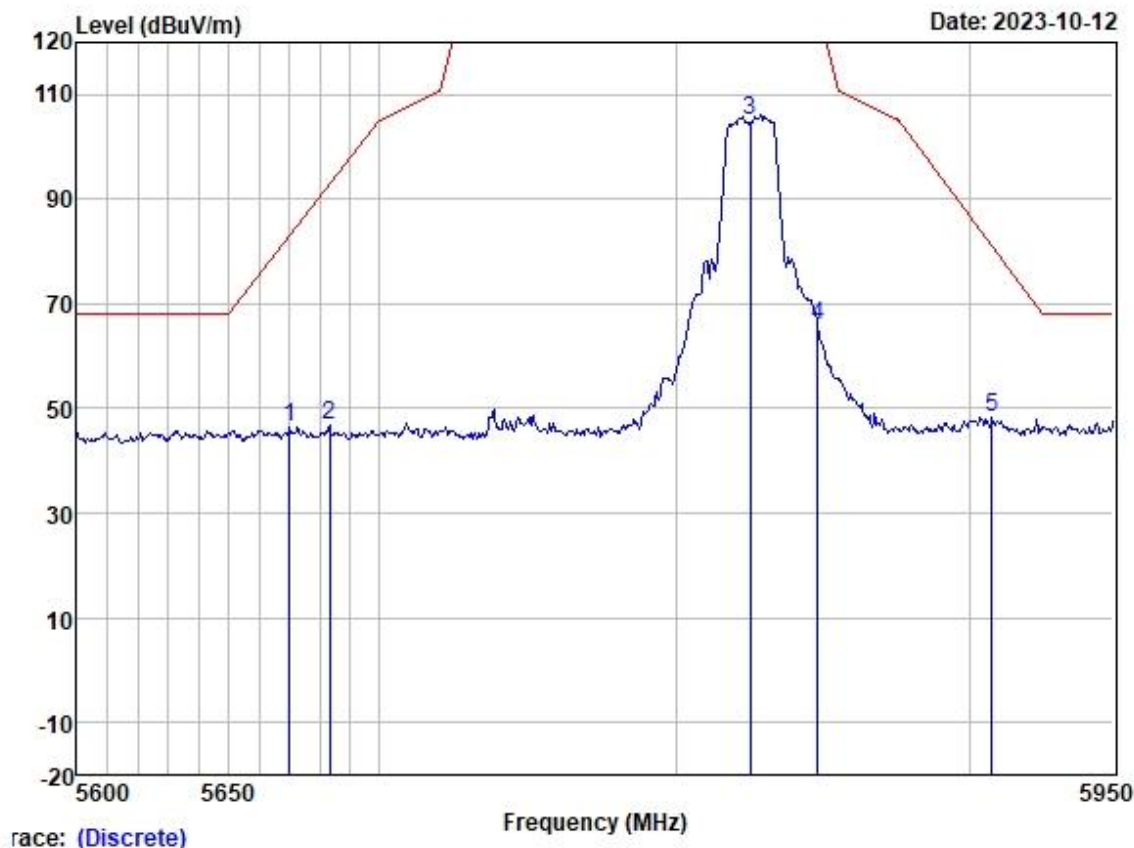
	Freq	ReadAntenna	Cable	Preamp	Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5668.657	48.56	32.64	5.69	36.98	49.91	82.04	-32.13	HORIZONTAL Peak
2	5716.281	56.58	32.65	5.71	36.98	57.96	109.76	-51.80	HORIZONTAL Peak
3	5745.000	105.05	32.65	5.74	36.99	106.45	125.20	-18.75	HORIZONTAL Peak
4	5877.580	45.70	32.68	5.80	36.99	47.19	103.35	-56.16	HORIZONTAL Peak
5	5901.502	46.84	32.69	5.81	36.99	48.35	85.58	-37.23	HORIZONTAL Peak



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



Trace: (Discrete)

	Read	Antenna	Cable	Preamp		Limit	Over		
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	5670.031	44.94	32.64	5.69	36.98	46.29	83.06	-36.77	VERTICAL
2	5683.453	45.34	32.64	5.70	36.98	46.70	92.99	-46.29	VERTICAL
3	5825.000	103.76	32.67	5.78	36.99	105.22	125.20	-19.98	VERTICAL
4	5848.079	64.25	32.68	5.79	36.99	65.73	125.20	-59.47	VERTICAL
5	5907.945	46.72	32.69	5.81	36.99	48.23	80.81	-32.58	VERTICAL

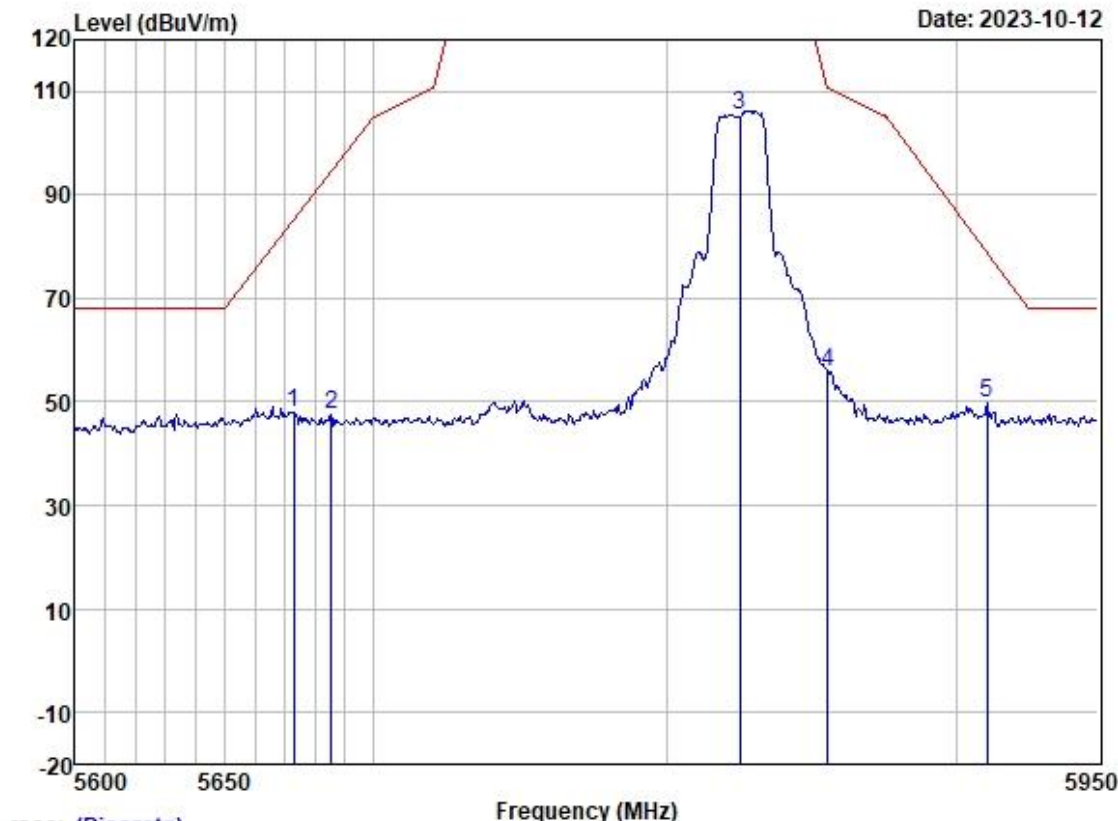


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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp		Limit	Over		
		Level	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	5673.126	46.44	32.64	5.70	36.98	47.80	85.35	-37.55	HORIZONTAL Peak
2	5685.521	46.11	32.64	5.70	36.98	47.47	94.52	-47.05	HORIZONTAL Peak
3	5825.000	103.81	32.67	5.78	36.99	105.27	125.20	-19.93	HORIZONTAL Peak
4	5855.174	54.46	32.68	5.79	36.99	55.94	110.75	-54.81	HORIZONTAL Peak
5	5910.812	48.40	32.69	5.81	37.00	49.90	78.69	-28.79	HORIZONTAL Peak



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### 7.11 Frequency Stability

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

Test Method: ANSI C63.10 (2013) Section 6.8

#### 7.11.1 E.U.T. Operation

Operating Environment:

Temperature: 24.0 °C

Humidity: 64.6 % RH

Atmospheric Pressure: 1007 mbar

#### 7.11.2 Test Mode Description

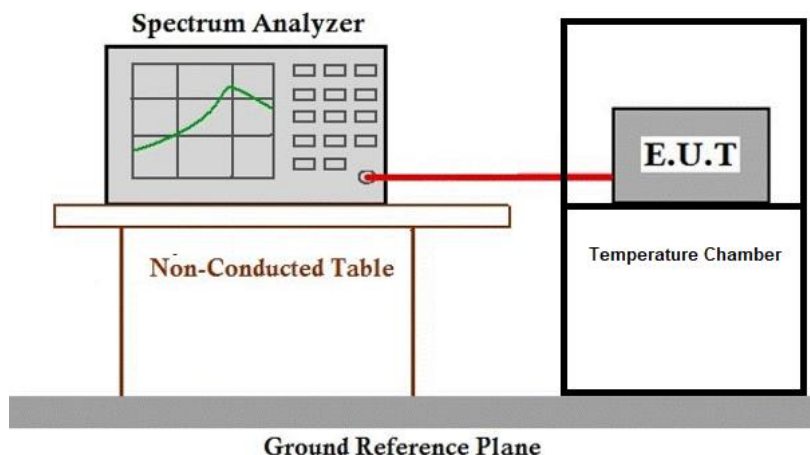
Pre-scan / Final test	Mode Code	Description
Final test	01	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst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



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### 7.11.3 Test Setup Diagram



### 7.11.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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### 7.12 Transmitter Power Control

Test Requirement	47 CFR Part 15, Subpart E 15.407 (h)(1)
Test Method:	KDB 789033 D02 II E
Limit:	Able to lower EIRP below 24dBm when Max_EIRP $\geq$ 500 mW (27 dBm).

#### 7.12.1 Conclusion

There is no Transmitter Power Control for the EUT.



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## 8 Test Setup Photo

Refer to Appendix - Test Setup Photo for GZCR230900096604



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## 9 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for GZCR2309000966AT



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## 10 Appendix

### 1. Duty Cycle

#### 1.1 Ant1

##### 1.1.1 Test Result

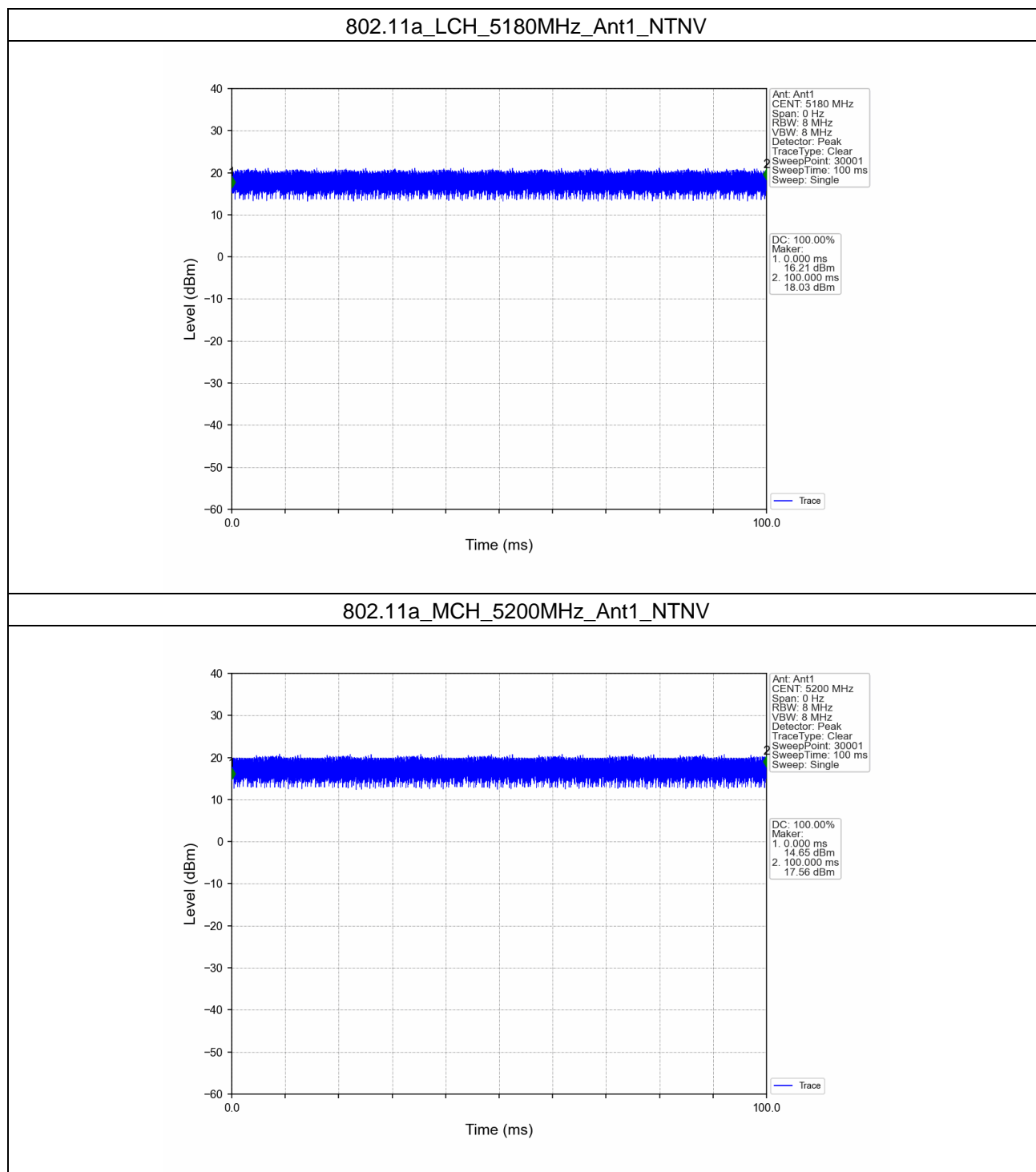
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	100.000	100.000	100.00	0.00	0.00
		5200	100.000	100.000	100.00	0.00	0.00
		5240	100.000	100.000	100.00	0.00	0.00
		5260	100.000	100.000	100.00	0.00	0.00
		5300	100.000	100.000	100.00	0.00	0.00
		5320	100.000	100.000	100.00	0.00	0.00
		5500	100.000	100.000	100.00	0.00	0.00
		5580	100.000	100.000	100.00	0.00	0.00
		5700	100.000	100.000	100.00	0.00	0.00
		5745	100.000	100.000	100.00	0.00	0.00
		5785	100.000	100.000	100.00	0.00	0.00
		5825	100.000	100.000	100.00	0.00	0.00
802.11n (HT20)	SISO	5180	100.000	100.000	100.00	0.00	0.00
		5200	100.000	100.000	100.00	0.00	0.00
		5240	100.000	100.000	100.00	0.00	0.00
		5260	100.000	100.000	100.00	0.00	0.00
		5300	100.000	100.000	100.00	0.00	0.00
		5320	100.000	100.000	100.00	0.00	0.00
		5500	100.000	100.000	100.00	0.00	0.00
		5580	100.000	100.000	100.00	0.00	0.00
		5700	100.000	100.000	100.00	0.00	0.00
		5745	100.000	100.000	100.00	0.00	0.00
		5785	100.000	100.000	100.00	0.00	0.00
		5825	100.000	100.000	100.00	0.00	0.00



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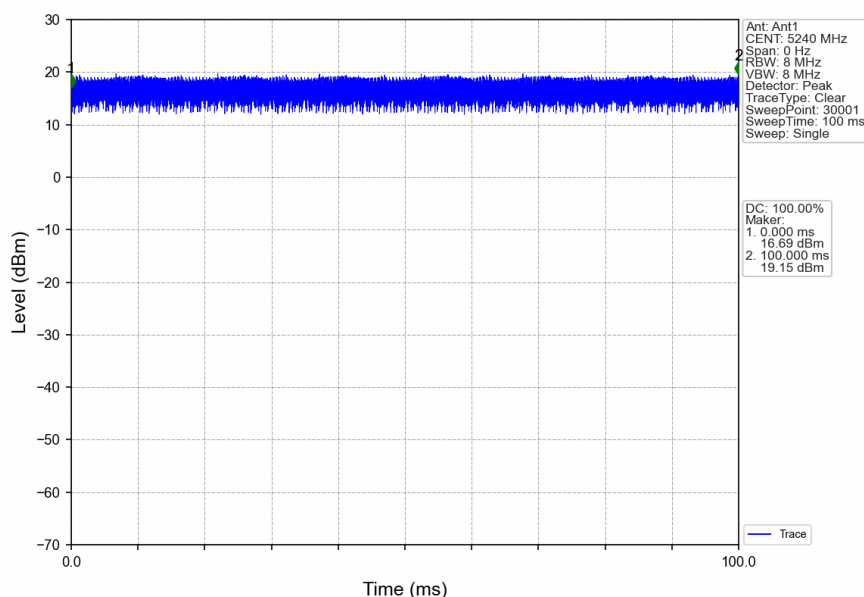
### 1.1.2 Test Graph



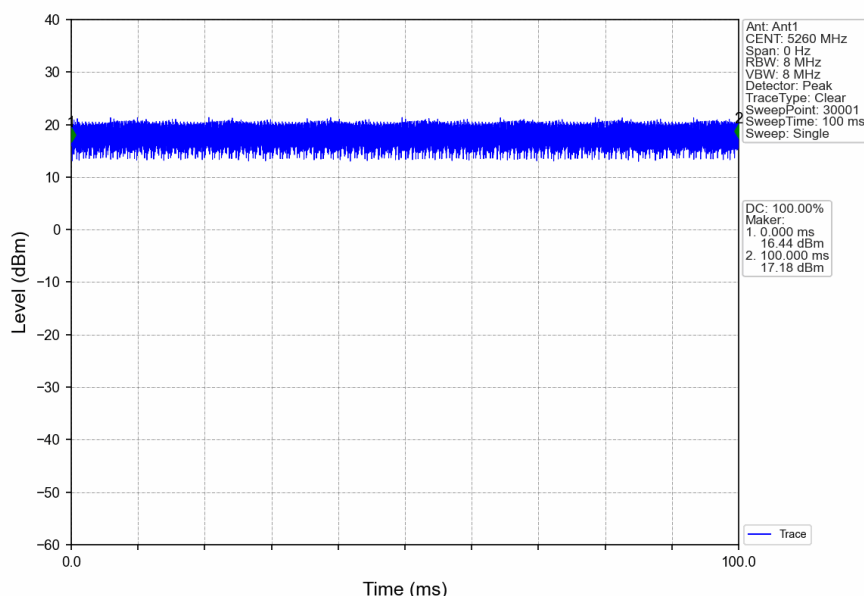
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### 802.11a\_HCH\_5240MHz\_Ant1\_NTNV



### 802.11a\_LCH\_5260MHz\_Ant1\_NTNV

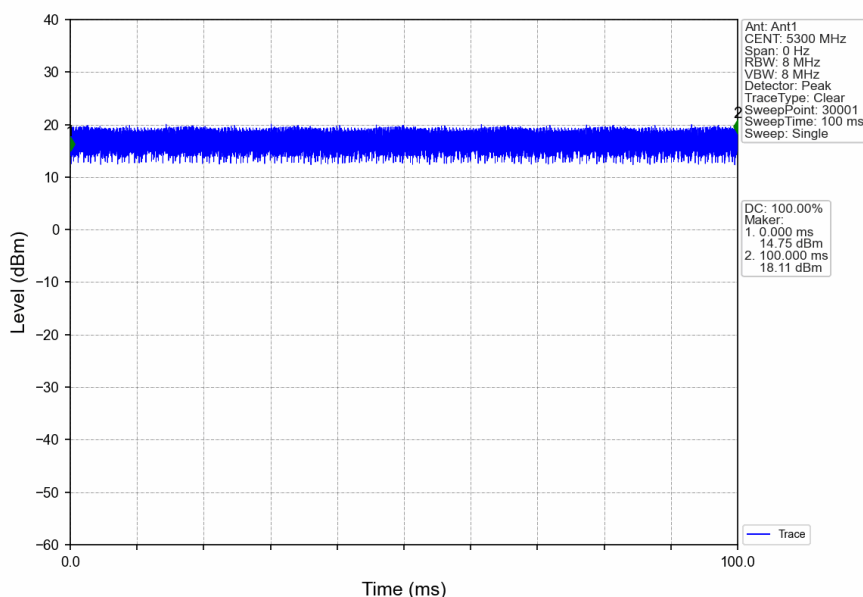


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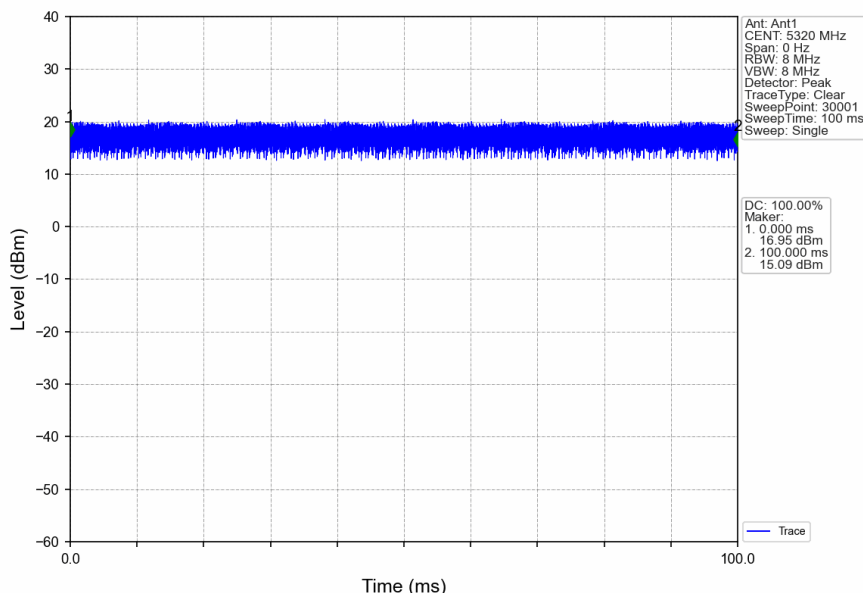
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### 802.11a\_MCH\_5300MHz\_Ant1\_NTNV



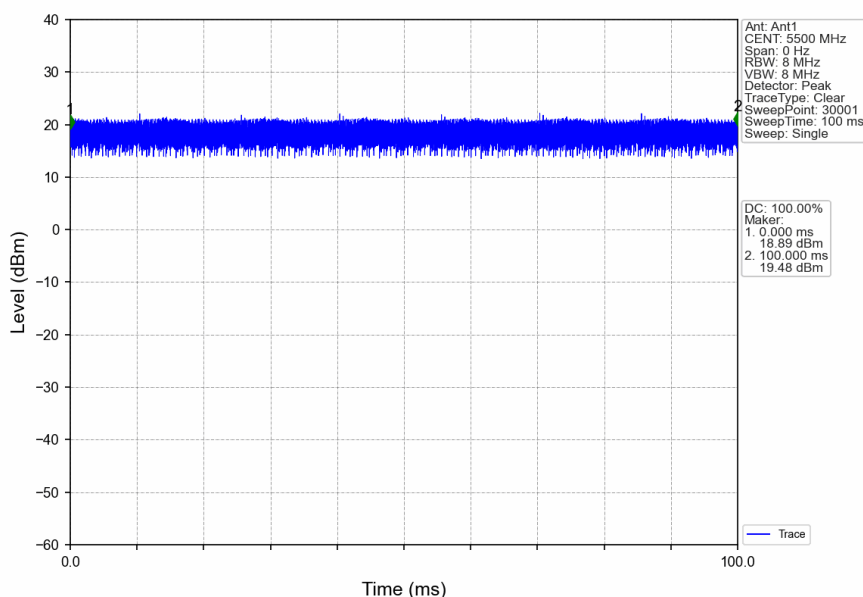
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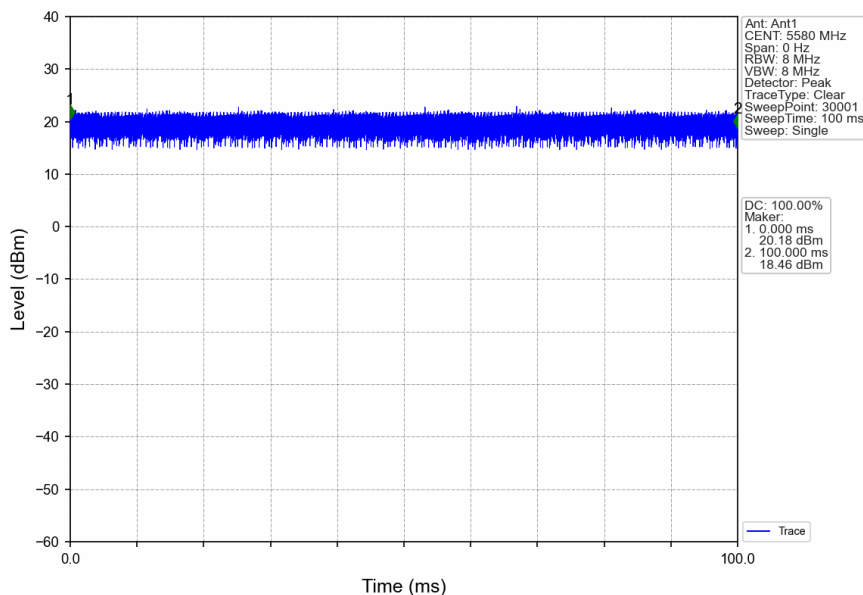
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### 802.11a\_LCH\_5500MHz\_Ant1\_NTNV



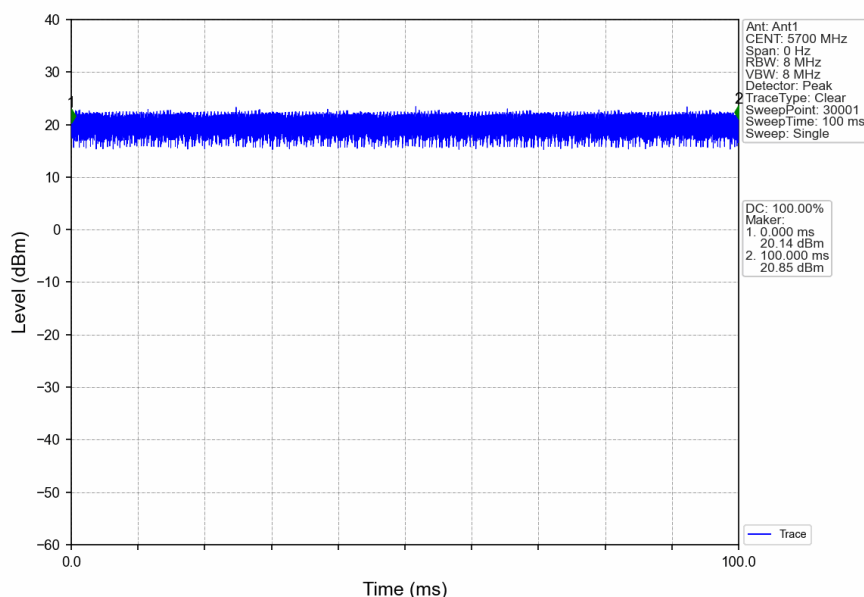
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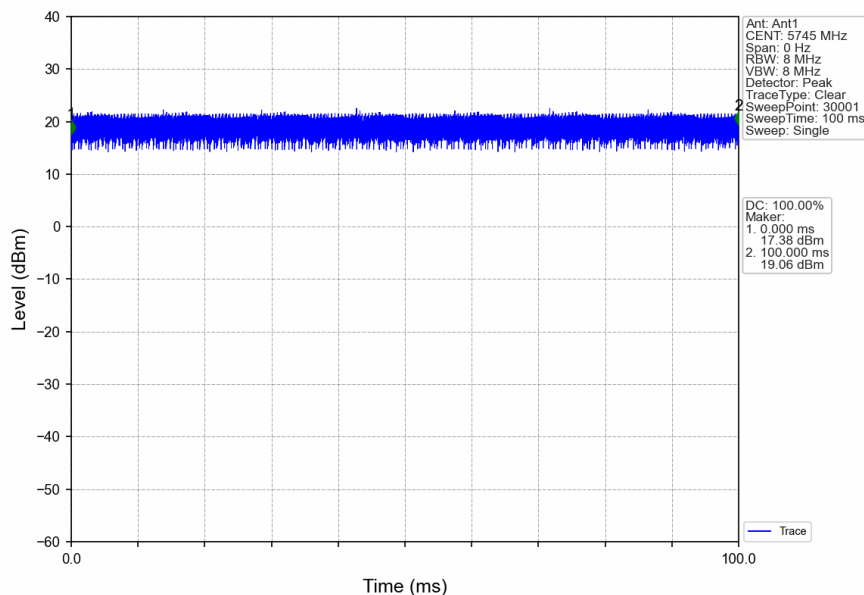
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### 802.11a\_HCH\_5700MHz\_Ant1\_NTNV



### 802.11a\_LCH\_5745MHz\_Ant1\_NTNV

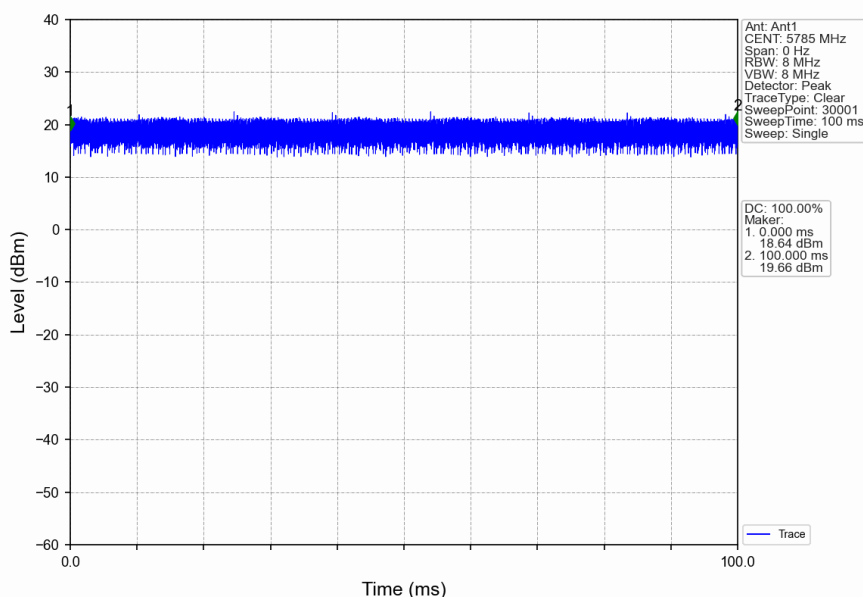


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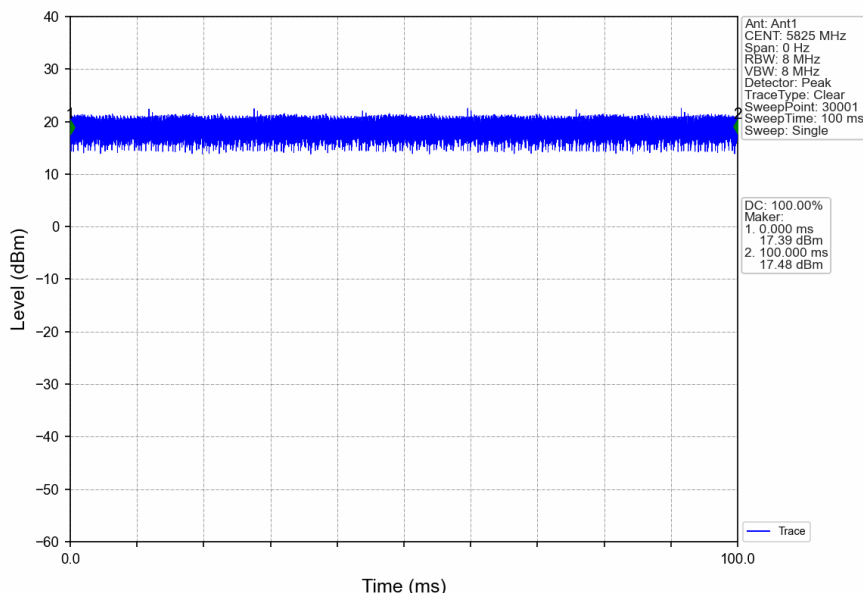
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802.11a\_MCH\_5785MHz\_Ant1\_NTNV



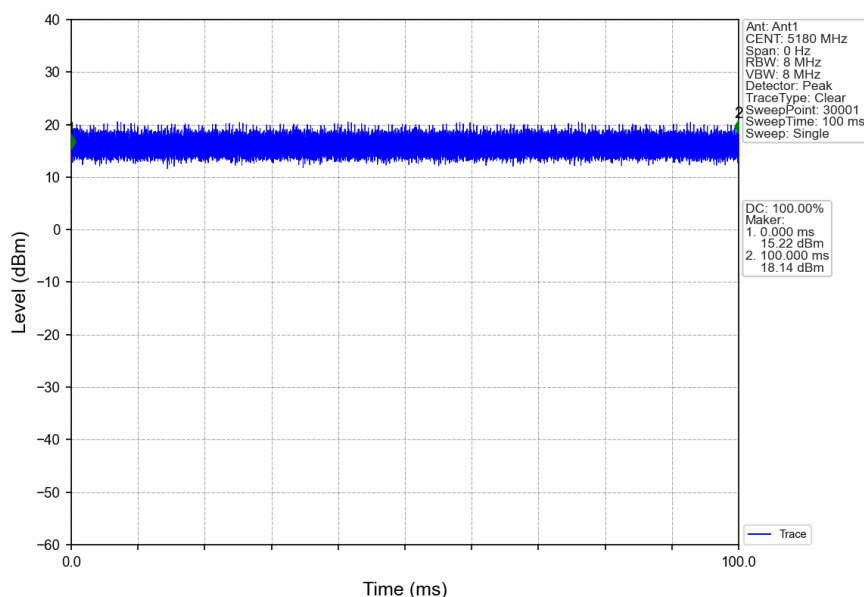
802.11a\_HCH\_5825MHz\_Ant1\_NTNV



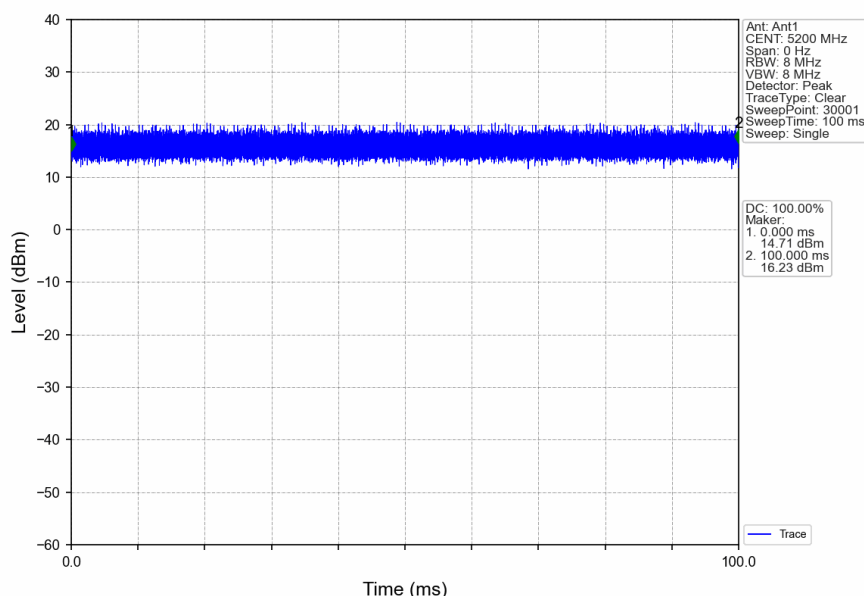
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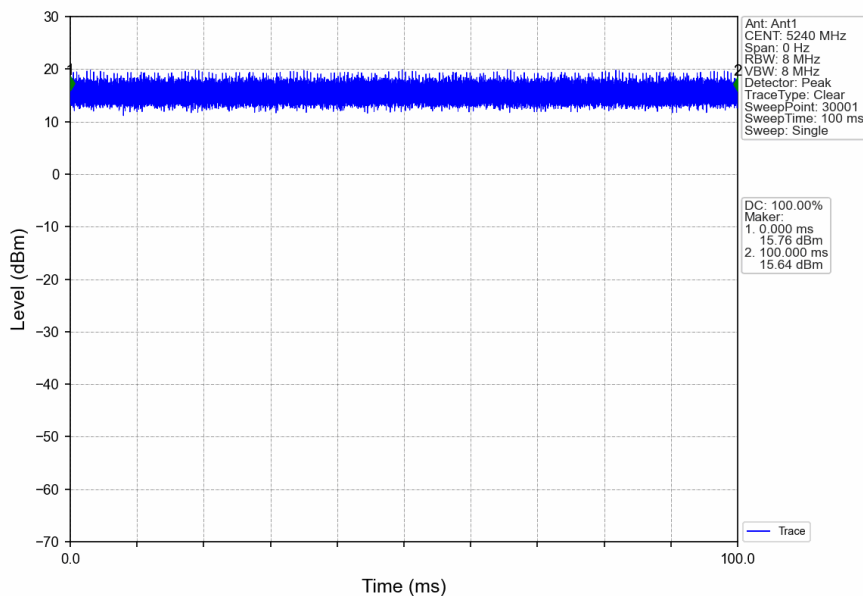
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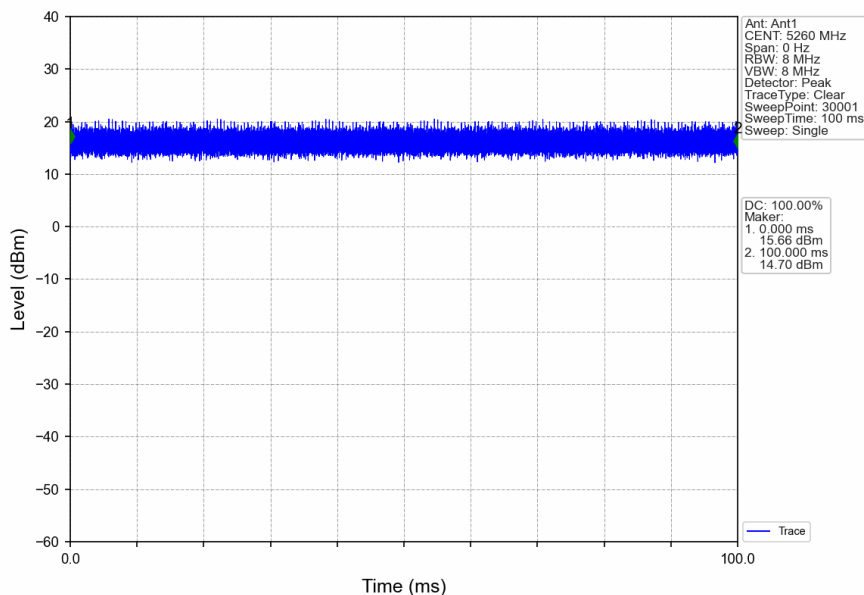
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### 802.11n(HT20)\_LCH\_5260MHz\_Ant1\_NTNV

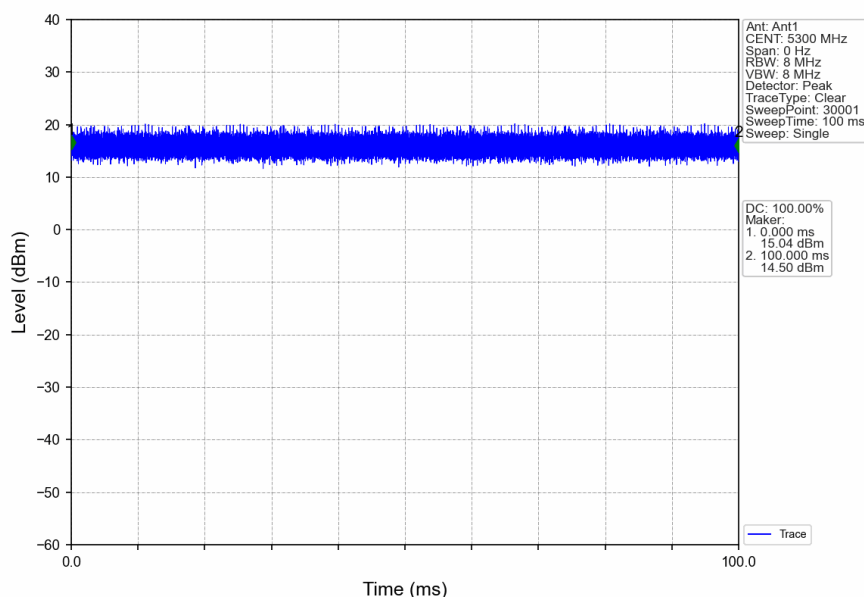


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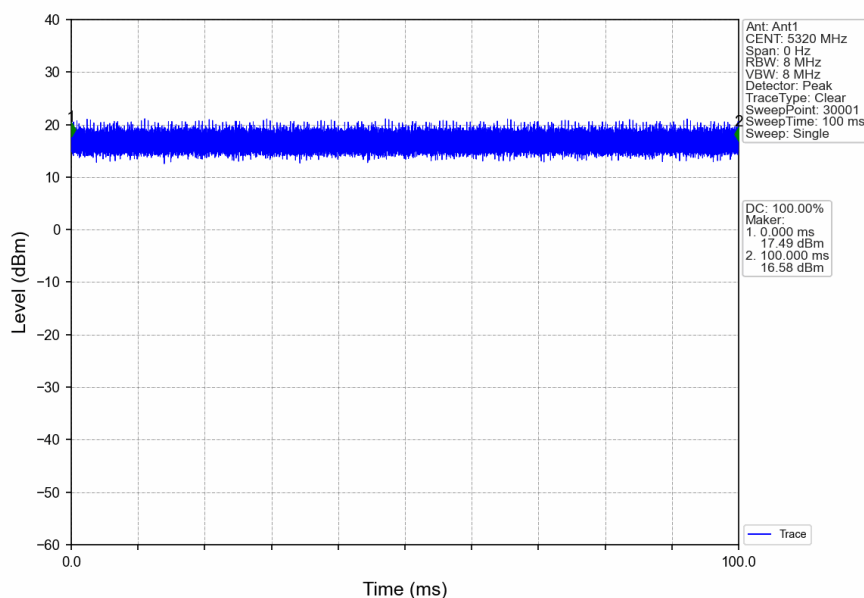
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802.11n(HT20)\_MCH\_5300MHz\_Ant1\_NTNV



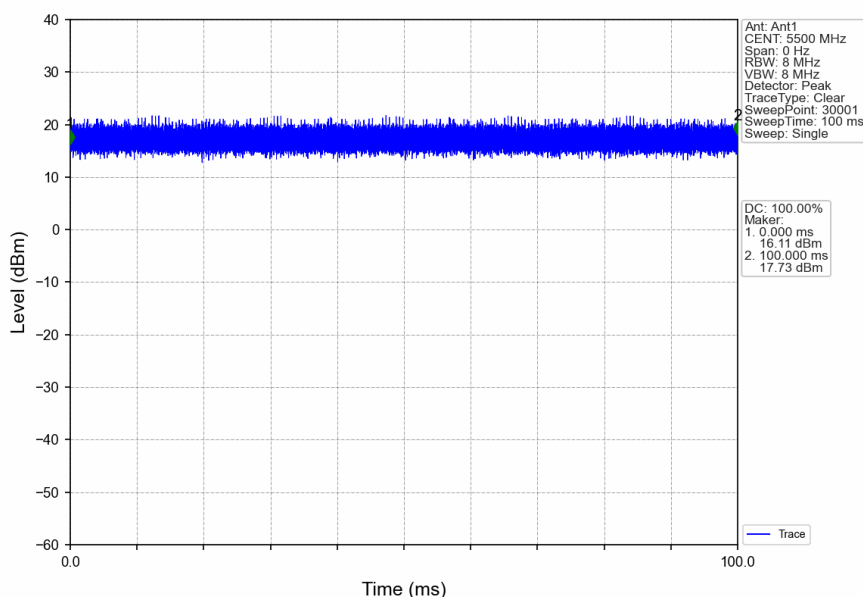
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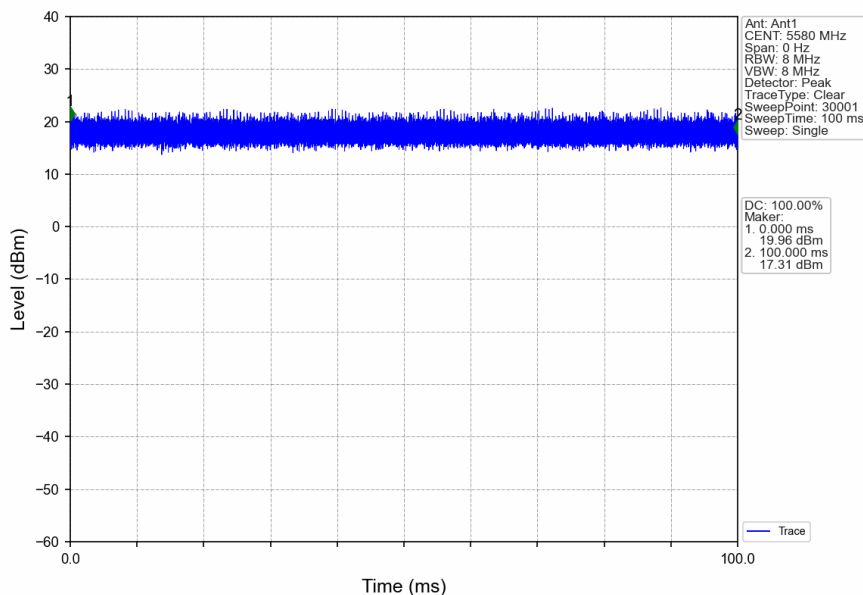
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802.11n(HT20)\_LCH\_5500MHz\_Ant1\_NTNV



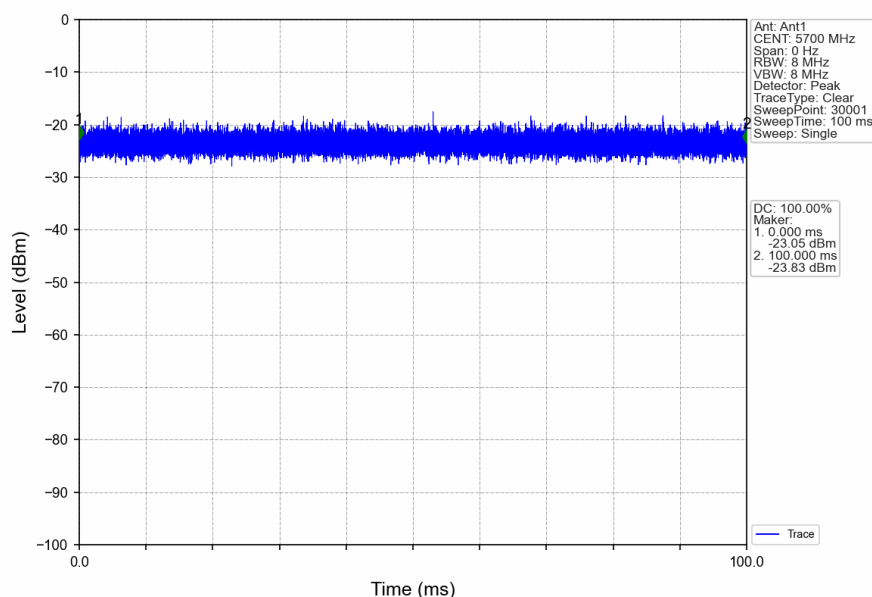
802.11n(HT20)\_MCH\_5580MHz\_Ant1\_NTNV



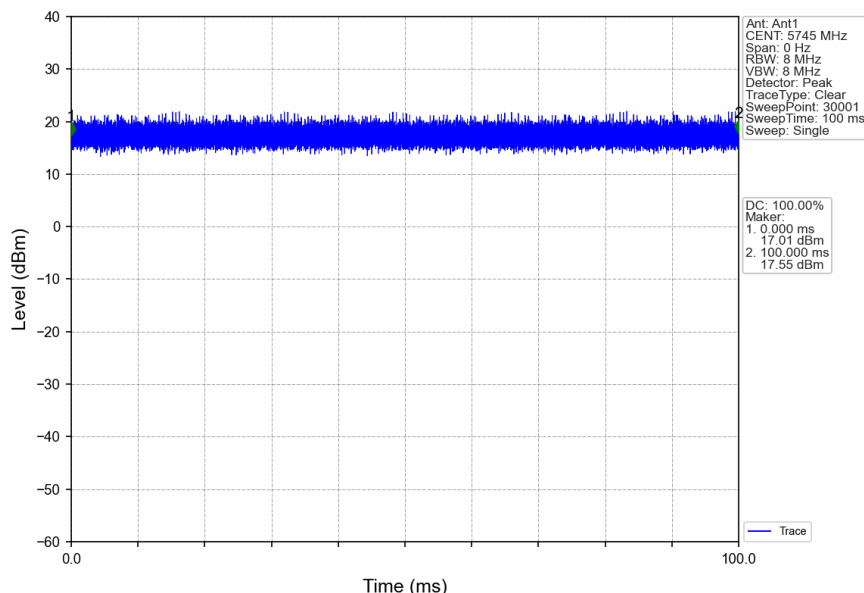
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802.11n(HT20)\_HCH\_5700MHz\_Ant1\_NTNV



802.11n(HT20)\_LCH\_5745MHz\_Ant1\_NTNV

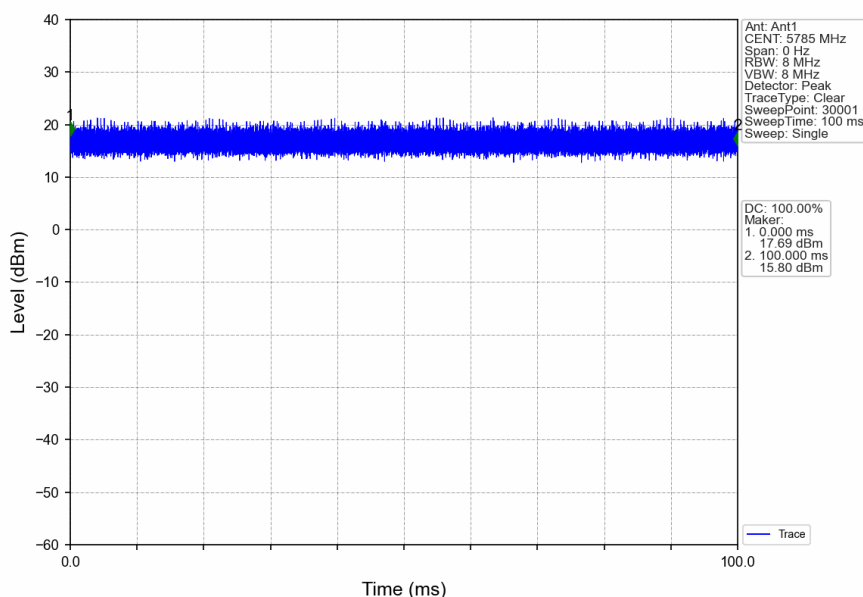


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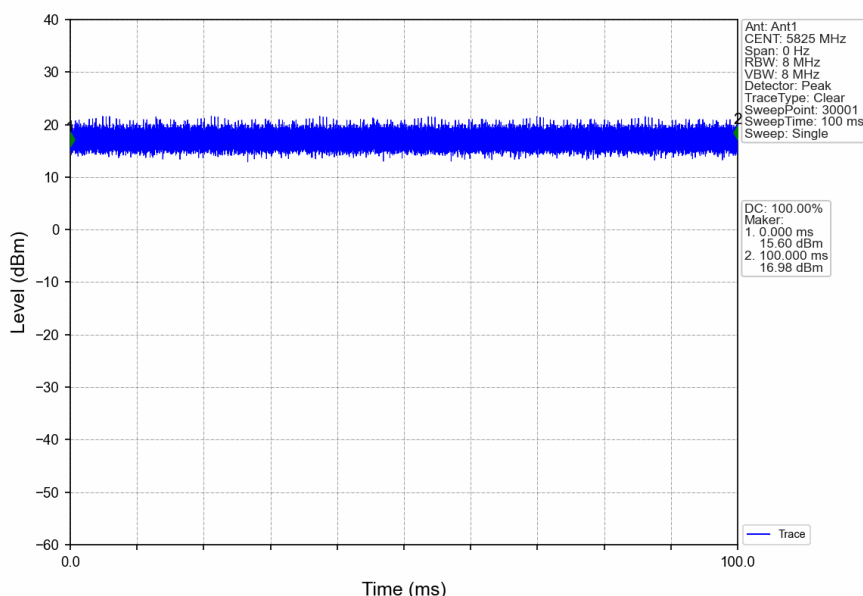
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### 802.11n(HT20)\_MCH\_5785MHz\_Ant1\_NTNV



### 802.11n(HT20)\_HCH\_5825MHz\_Ant1\_NTNV



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## 2. Bandwidth

### 2.1 OBW

#### 2.1.1 Test Result

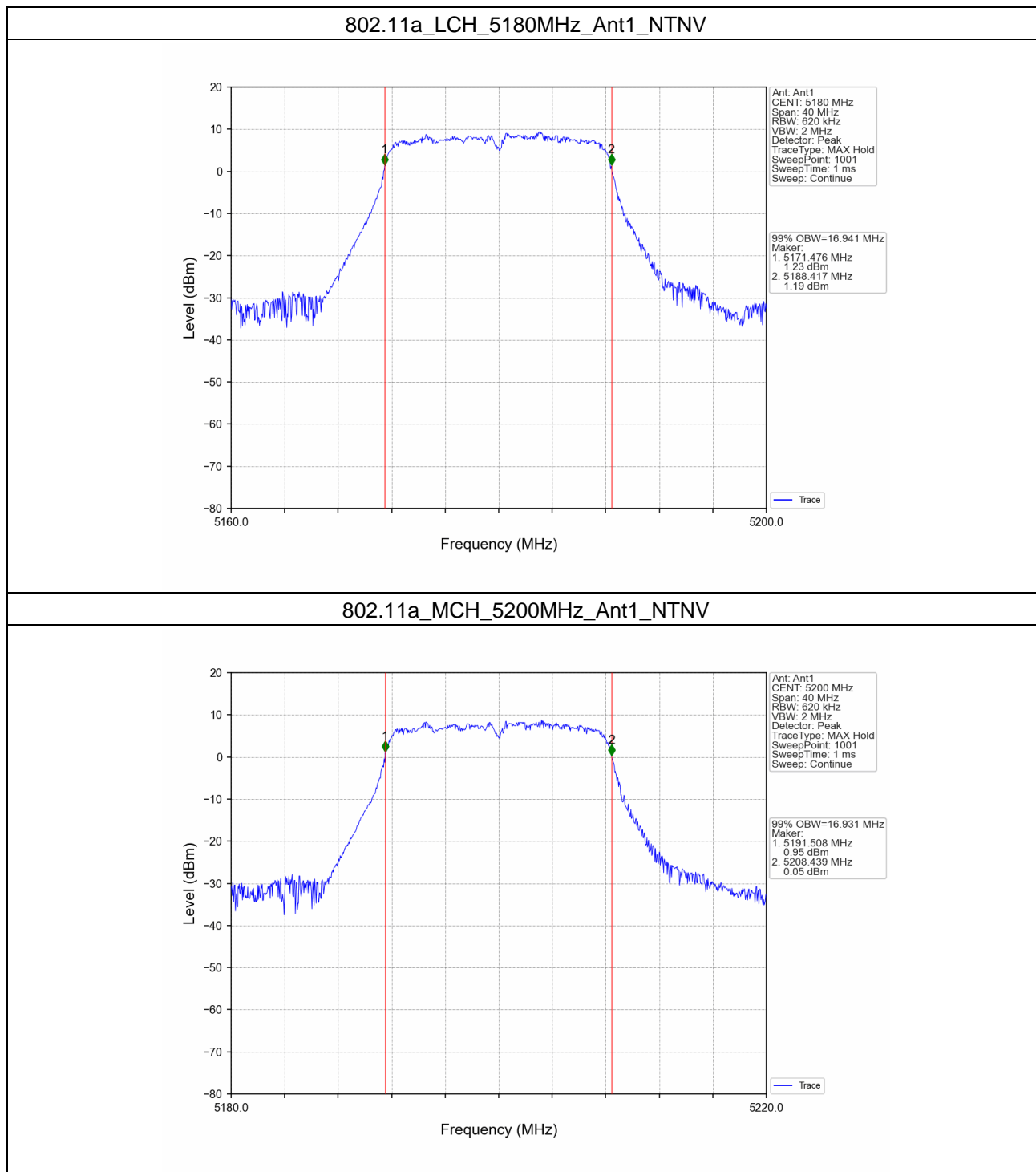
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5180	1	16.941	Pass
		5200	1	16.931	Pass
		5240	1	16.922	Pass
		5260	1	16.926	Pass
		5300	1	16.919	Pass
		5320	1	16.921	Pass
		5500	1	16.986	Pass
		5580	1	17.057	Pass
		5700	1	17.108	Pass
		5745	1	17.003	Pass
		5785	1	16.947	Pass
		5825	1	16.918	Pass
802.11n (HT20)	SISO	5180	1	17.985	Pass
		5200	1	17.978	Pass
		5240	1	17.915	Pass
		5260	1	17.870	Pass
		5300	1	17.932	Pass
		5320	1	17.919	Pass
		5500	1	18.003	Pass
		5580	1	18.001	Pass
		5700	1	17.967	Pass
		5745	1	17.984	Pass
		5785	1	17.941	Pass
		5825	1	17.938	Pass



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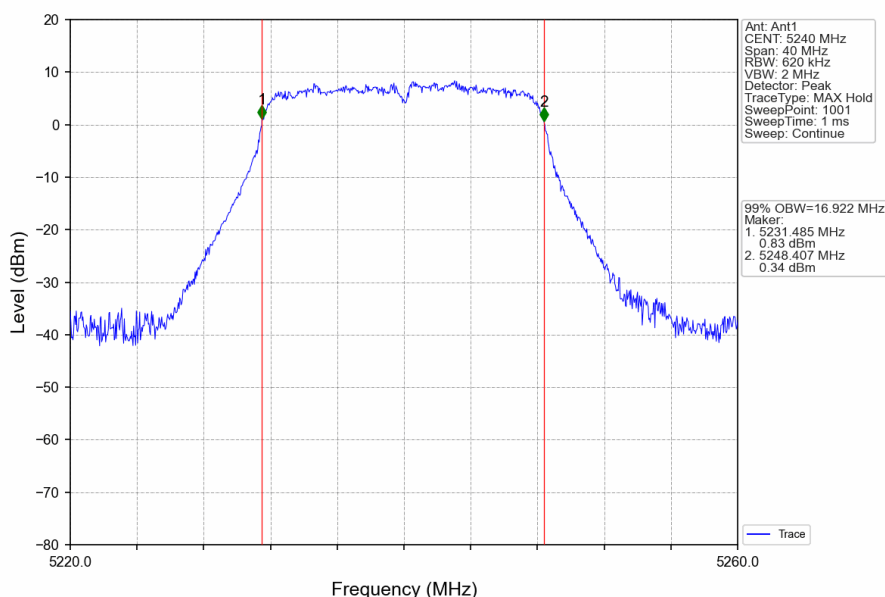
### 2.1.2 Test Graph



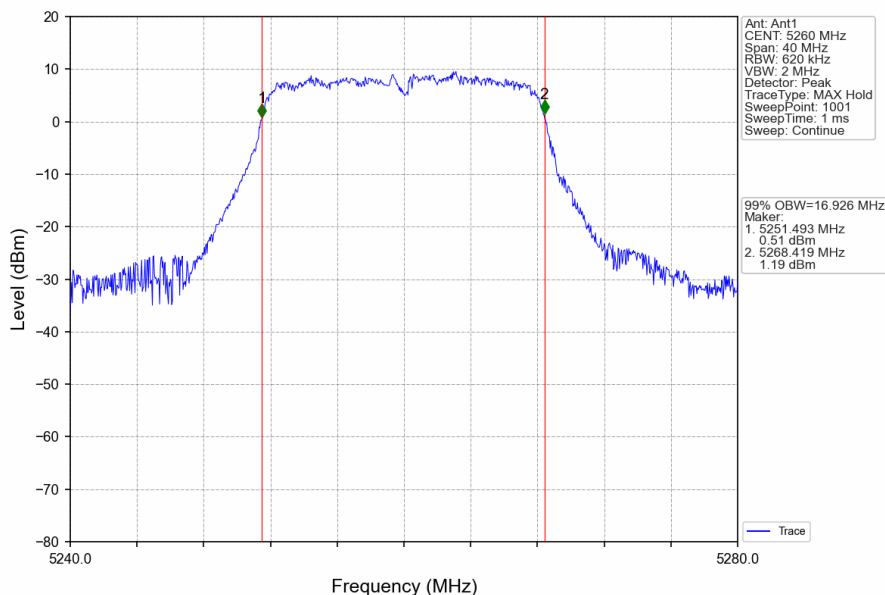
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### 802.11a\_HCH\_5240MHz\_Ant1\_NTNV



### 802.11a\_LCH\_5260MHz\_Ant1\_NTNV



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