

# TEST REPORT

**Application No.:** FYCR2204000134AT  
**Applicant:** Hytera Communications Corporation Limited  
**Address of Applicant:** Hytera Tower, Hi-Tech Industrial Park North, 9108# Beihuan Road, Nanshan District, Shenzhen, P.R.C., P 518057  
**Manufacturer:** Hytera Communications Corporation Limited  
**Address of Manufacturer:** Hytera Tower, Hi-Tech Industrial Park North, 9108# Beihuan Road, Nanshan District, Shenzhen, P.R.C., P 518057  
**Factory:** Sunrise Simcom (Tong cheng) Limited  
**Address of Factory:** No.188-1, Nanshan Road, Tongcheng Economic Development Zone, Anqing, Anhui  
**Equipment Under Test (EUT):**  
**EUT Name:** 5G XSecure Rugged Device  
**Model No.:** PNC560, PNC560 SCAN ♣  
 ♣ Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.  
**Trade Mark:** Hytera  
**FCC ID:** YAMPNC560  
**Standard(s) :** 47 CFR Part 15, Subpart E 15.407  
**Date of Receipt:** 2022-04-29  
**Date of Test:** 2022-05-16 to 2022-06-21  
**Date of Issue:** 2022-07-02

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



Winkey Wang  
EMC Technical Manager





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Compliance Certification Services (Kunshan) Inc.  
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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2022-07-02		Original

Authorized for issue by:				
				
		<b>Tree Zhan/Project Engineer</b>		
				
		<b>Winkey Wang/Reviewer</b>		



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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 C 15.407 (c)	Pass

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart E 15.407	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207 & 15.407 b(6)	Pass
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 C 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 C 15.407 (e)	Pass
Maximum Conducted output power		KDB 789033 D02 II E	47 CFR Part 15, Subpart C 15.407 (a)	Pass
Peak Power spectrum density		KDB 789033 D02 II F	47 CFR Part 15, Subpart C 15.407 (a)	Pass
Radiated Emissions (Above 1GHz)		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & 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 & 15.407(b)	Pass
Frequency Stability		ANSI C63.10 (2013) Section 6.8	47 CFR Part 15, Subpart C 15.407 (g)	Pass
Radiated Emissions (Below 1GHz)		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & 15.407(b)	Pass

### Declaration of EUT Family Grouping:

Model No.: PNC560, PNC560 SCAN

Only the model PNC560 SCAN was fully tested, since according to the declaration from the applicant, the electrical circuit design, PCB layout, components used, internal wiring and functions were identical for all the above models, with only difference on SCAN camera for PNC560 SCAN and emergency call button for PNC560.



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## 4 General Information

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

Power supply:	DC3.85V by Li-ion battery Recharged by AC/DC power adapter Adapter M/N: TPA-10R120150UU01 Adapter input: AC100-240V, 50/60Hz, 0.6A Adapter output: DC3.6-6V/3A, 6-9V/2A, 9-12V/1.5A
Cable(s):	USB Type C cable: 1m shielded cable without ferrite core
Operation Frequency (20MHz):	U-NII-1: 5180-5240MHz; U-NII-3: 5745-5825MHz
Operation Frequency (40MHz):	U-NII-1: 5190-5230MHz; U-NII-3: 5755-5795MHz
Operation Frequency (80MHz):	U-NII-1: 5210MHz; U-NII-3: 5775MHz
Modulation Type:	802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK); 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM); 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)
Channel Spacing:	802.11a/n(HT20)/ac(HT20): 20MHz; 802.11n(HT40)/ac(HT40): 40MHz; 802.11ac(HT80): 80MHz
DFS Function:	Without DFS function
TPC Function:	Without TPC function
Antenna Type:	PIFA Antenna
Antenna Gain:	-0.5dBi

### 4.2 Description of Support Units

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



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### 4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at AC Power Line (150kHz-30MHz)	± 2.1 dB (9kHz to 30MHz)
Duty Cycle	± 0.3%
99% Bandwidth	± 0.3%
26dB Emission bandwidth	± 0.3%
Minimum 6 dB bandwidth (5.725-5.85 GHz band )	± 0.3%
Maximum Conducted output power	± 0.8dB
Peak Power spectrum density	± 0.4dB
Radiated Emissions (Above 1GHz)	± 4.4dB (Above 1GHz)
Radiated Emissions which fall in the restricted bands	± 4.4dB (Above 1GHz)
Frequency Stability	± 5.4 x 10 <sup>-8</sup>
Radiated Emissions (Below 1GHz)	± 3.1dB (Below 1GHz)



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#### 4.4 Test Location

All tests were performed at:

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Fuyong lab. Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China

Tel: +86 755 8866 3988 Fax: +86 755 2671 0594

No tests were sub-contracted.

#### 4.5 Test Facility

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

- **A2LA (Certificate No. 6606.01)**

Compliance Certification Services (Kunshan) Inc. Shenzhen branch is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 6606.01.

- **FCC –Designation Number: CN1322**

Compliance Certification Services (Kunshan) Inc. Shenzhen branch has been recognized as an accredited testing laboratory.

Designation Number: CN1322. Test Firm Registration Number: 718073

- **Innovation, Science and Economic Development Canada**

Compliance Certification Services (Kunshan) Inc. Shenzhen branch has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0129.

IC#: 28189.

#### 4.6 Deviation from Standards

None

#### 4.7 Abnormalities from Standard Conditions

None



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## 5 Equipment List

Conducted Emissions at AC Power Line (150kHz-30MHz)					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Shielding Room	CRT	N/A	SEM001-14	2021/7/13	2024/7/12
EMI Test Receiver(9kHz-3GHz)	Rohde & Schwarz	ESCI	SEM004-01	2021/7/13	2022/7/12
Two-Line V-Network(9kHz-30MHz)	Rohde & Schwarz	ENV216	SEM007-16	2021/7/13	2022/7/12
Two-Line V-Network(9kHz-30MHz)	Rohde & Schwarz	ESH3-Z5	SEM007-22	2021/7/13	2022/7/12

Duty Cycle					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
MXA Signal Analyzer	Agilent	N9020A	SEM004-20	2021/7/13	2022/7/12
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2021/7/13	2022/7/12

99% Bandwidth					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
MXA Signal Analyzer	Agilent	N9020A	SEM004-20	2021/7/13	2022/7/12
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2021/7/13	2022/7/12

26dB Emission bandwidth					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
MXA Signal Analyzer	Agilent	N9020A	SEM004-20	2021/7/13	2022/7/12
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2021/7/13	2022/7/12

Minimum 6 dB bandwidth (5.725-5.85 GHz band)					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
MXA Signal Analyzer	Agilent	N9020A	SEM004-20	2021/7/13	2022/7/12
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2021/7/13	2022/7/12

Maximum Conducted output power					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Power Sensor	Erika Fiedler	U2021XA	SEM009-15	2021/7/13	2022/7/12
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2021/7/13	2022/7/12



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<b>Peak Power spectrum density</b>					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
MXA Signal Analyzer	Agilent	N9020A	SEM004-20	2021/7/13	2022/7/12
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2021/7/13	2022/7/12

<b>Radiated Spurious Emissions Above 1GHz</b>					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Pre-amplifier	HP	8447D	SEM005-02	2021/7/13	2022/7/12
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2021/7/11	2024/7/10
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9120D	SEM003-32	2021/9/26	2024/9/25
Double-ridged waveguide horn	ETS-LINDGREN	3117	SEM003-34	2021/9/25	2024/9/24
Spectrum Analyzer	Rohde & Schwarz	101288	SEM004-08	2021/7/13	2022/7/12
Low Noise Amplifier	CLAVIO	BDLNA-0118-352810	SEM005-05	2021/7/13	2022/7/12
Pre-amplifier	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2021/7/13	2022/7/12
Pre-amplifier	Rohde & Schwarz	CH14-H052	SEM005-17	2021/7/13	2022/7/12

<b>Radiated Emissions which fall in the restricted bands</b>					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Trilog-Broadband Antenna	Schwarzbeck	VULB9168	SEM003-33	2021/9/25	2024/9/24
Biconical Antenna	Schwarzbeck	VUBA9117	SEM003-35	2021/12/26	2024/12/25
Loop Antenna	ETS-LINDGREN	6502	SEM003-36	2021/9/26	2024/9/25
Pre-amplifier	HP	8447D	SEM005-02	2021/7/13	2022/7/12
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2021/7/11	2024/7/10
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9120D	SEM003-32	2021/9/26	2024/9/25
Double-ridged waveguide horn	ETS-LINDGREN	3117	SEM003-34	2021/9/25	2024/9/24
Spectrum Analyzer	Rohde & Schwarz	101288	SEM004-08	2021/7/13	2022/7/12
Low Noise Amplifier	CLAVIO	BDLNA-0118-352810	SEM005-05	2021/7/13	2022/7/12
Pre-amplifier	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2021/7/13	2022/7/12
Pre-amplifier	Rohde & Schwarz	CH14-H052	SEM005-17	2021/7/13	2022/7/12



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<b>Frequency Stability</b>					
<b>Equipment</b>	<b>Manufacturer</b>	<b>Model No</b>	<b>Inventory No</b>	<b>Cal Date</b>	<b>Cal Due Date</b>
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2021/7/13	2022/7/12
MXA Signal Analyzer	Agilent	N9020A	SEM004-20	2021/7/13	2022/7/12
Programmable DC Source	Chroma	62024P-80-60	SEM011-09	2021/7/13	2022/7/12
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2021/7/13	2022/7/12

<b>Radiated Spurious Emissions Below 1GHz</b>					
<b>Equipment</b>	<b>Manufacturer</b>	<b>Model No</b>	<b>Inventory No</b>	<b>Cal Date</b>	<b>Cal Due Date</b>
Trilog-Broadband Antenna	Schwarzbeck	VULB9168	SEM003-33	2021/9/25	2024/9/24
Loop Antenna	ETS-LINDGREN	6502	SEM003-36	2021/9/26	2024/9/25
MXE EMI receiver	Agilent	N9038A	SEM004-05	2021/7/13	2022/7/12
Pre-amplifier	HP	8447D	SEM005-02	2021/7/13	2022/7/12
Spectrum Analyzer	Rohde & Schwarz	101288	SEM004-08	2021/7/13	2022/7/12
Low Noise Amplifier	CLAVIIO	BDLNA-0118-352810	SEM005-05	2021/7/13	2022/7/12

<b>General used equipment</b>					
<b>Equipment</b>	<b>Manufacturer</b>	<b>Model No</b>	<b>Inventory No</b>	<b>Cal Date</b>	<b>Cal Due Date</b>
Humidity/ Temperature Indicator	Mingle	TH607	SEM002-22	2021-07-13	2022-07-12
Humidity/ Temperature Indicator	Mingle	TH607	SEM002-23	2021-07-13	2022-07-12
Barometer	DUMAI	DYM3	SEM002-24	2021-07-13	2022-07-12



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## 6 Radio Spectrum Technical Requirement

### 6.1 Antenna Requirement

#### 6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

#### 6.1.2 Conclusion

Standard Requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit permanently attached antenna or of an so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the Antenna: -0.5dBi.

Antenna location: Refer to internal photo.



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## 6.2 Transmission in the Absence of Data

### 6.2.1 Test Requirement:

47 CFR Part 15, Subpart C 15.407 (c)

### 6.2.2 Conclusion

Standard Requirement:

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

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

EUT Details:

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



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## 7 Radio Spectrum Matter Test Results

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

Test Requirement 47 CFR Part 15, Subpart C 15.207 & 15.407 b(6)  
 Test Method: ANSI C63.10 (2013) Section 6.2

Limit:

Frequency of emission(MHz)	Conducted limit(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: 22.8 °C Humidity: 51.4 % RH Atmospheric Pressure: 1020 mbar

#### 7.1.2 Test Mode Description

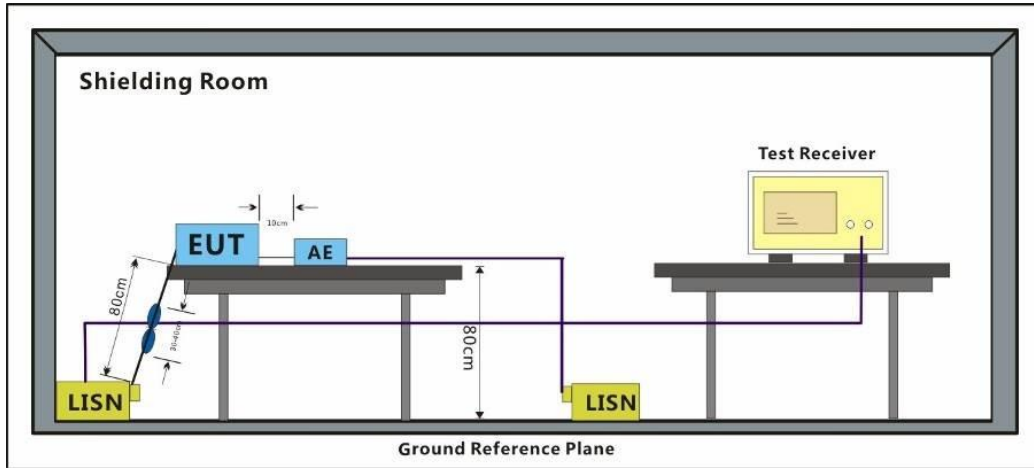
Pre-scan / Final test	Mode Code	Description
Final test	09	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	12	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.



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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.

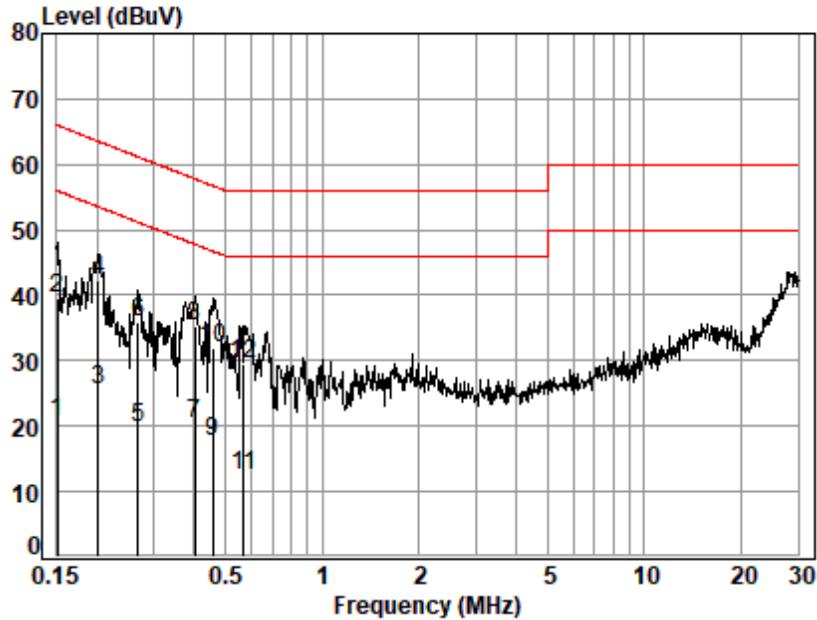
Remark: Level=Read Level+ Cable Loss+ LISN Factor



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Test Mode: 09; Line: Live line



Site : Shielding Room  
Condition: Line  
Job No. : 00134AT  
Test mode: 09

	Freq	Cable Loss	LISN Factor	Read Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dB	
1	0.1508	0.09	0.18	20.44	55.96	-35.25	Average
2	0.1508	0.09	0.18	39.23	65.96	-26.46	QP
3	0.2018	0.10	0.15	25.38	53.54	-27.91	Average
4	0.2018	0.10	0.15	41.89	63.54	-21.40	QP
5	0.2687	0.09	0.15	19.54	51.16	-31.38	Average
6	0.2687	0.09	0.15	35.72	61.16	-25.20	QP
7	0.4019	0.06	0.16	20.17	47.81	-27.42	Average
8	0.4019	0.06	0.16	35.13	57.81	-22.46	QP
9	0.4564	0.08	0.16	17.35	46.76	-29.17	Average
10	0.4564	0.08	0.16	31.61	56.76	-24.91	QP
11	0.5701	0.09	0.16	12.16	46.00	-33.59	Average
12	0.5701	0.09	0.16	29.28	56.00	-26.47	QP

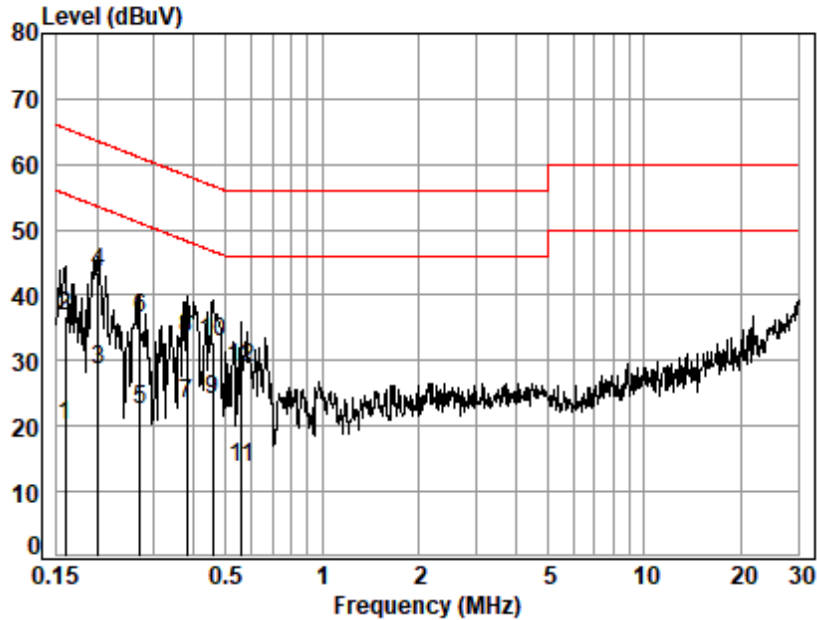


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Test Mode: 09; Line: Neutral Line



Site : Shielding Room  
Condition: Neutral  
Job No. : 00134AT  
Test mode: 09

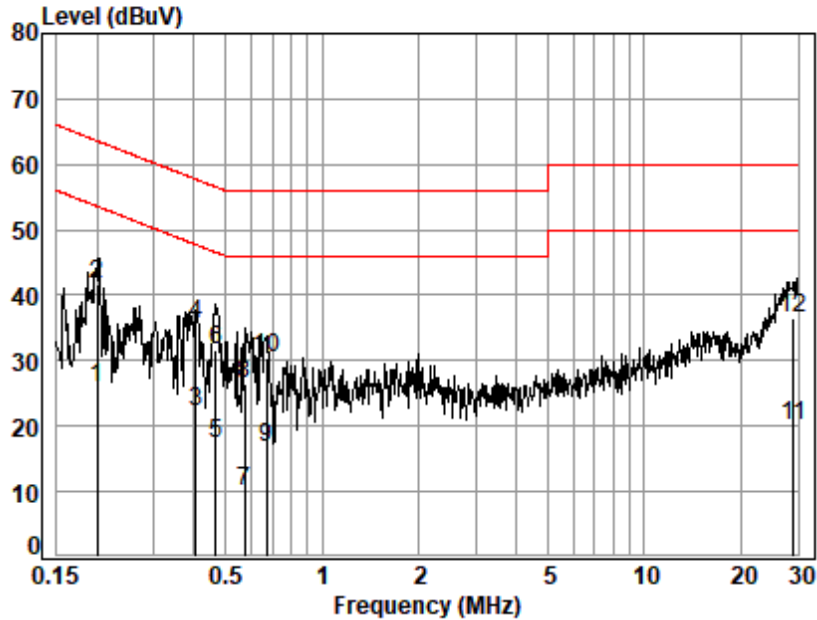
	Freq	Cable Loss	LISN Factor	Read Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dB	
1	0.1590	0.09	0.19	19.83	55.52	-35.41	Average
2	0.1590	0.09	0.19	36.52	65.52	-28.72	QP
3	0.2018	0.10	0.18	28.25	53.54	-25.01	Average
4	0.2018	0.10	0.18	43.19	63.54	-20.07	QP
5	0.2715	0.08	0.18	22.11	51.07	-28.70	Average
6	0.2715	0.08	0.18	36.14	61.07	-24.67	QP
7	0.3791	0.06	0.19	23.18	48.30	-24.87	Average
8	0.3791	0.06	0.19	33.25	58.30	-24.80	QP
9	0.4564	0.08	0.19	23.77	46.76	-22.72	Average
10	0.4564	0.08	0.19	32.63	56.76	-23.86	QP
11	0.5611	0.09	0.14	13.58	46.00	-32.19	Average
12	0.5611	0.09	0.14	28.65	56.00	-27.12	QP



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Test Mode: 12; Line: Live line



Site : Shielding Room  
Condition: Line  
Job No. : 00134AT  
Test mode: 12

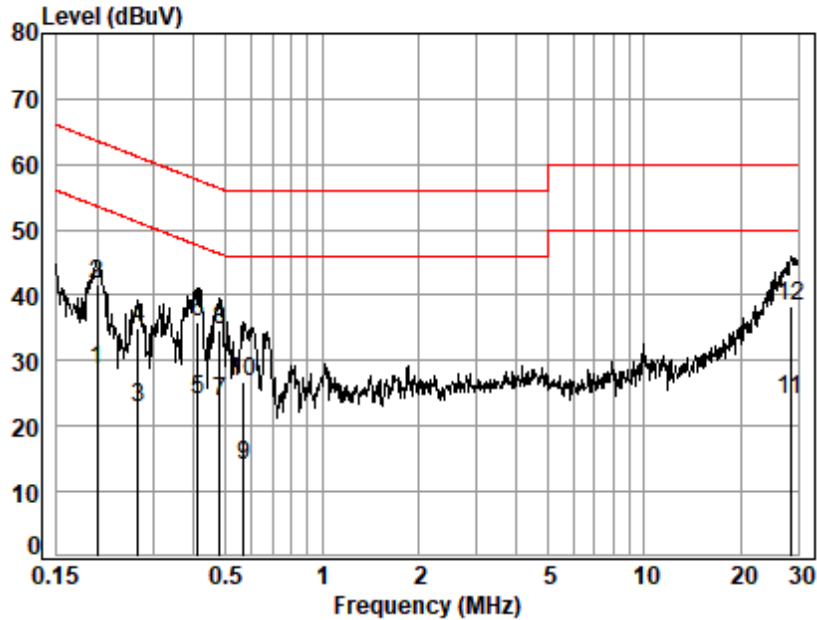
	Freq	Cable Loss	LISN Factor	Read Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dB	
1	0.2007	0.10	0.15	25.68	53.58	-27.65	Average
2	0.2007	0.10	0.15	41.53	63.58	-21.80	QP
3	0.4040	0.06	0.16	22.01	47.77	-25.54	Average
4	0.4040	0.06	0.16	35.26	57.77	-22.29	QP
5	0.4686	0.09	0.16	16.98	46.54	-29.31	Average
6	0.4686	0.09	0.16	31.50	56.54	-24.79	QP
7	0.5762	0.08	0.16	9.68	46.00	-36.08	Average
8	0.5762	0.08	0.16	26.35	56.00	-29.41	QP
9	0.6719	0.12	0.17	16.58	46.00	-29.13	Average
10	0.6719	0.12	0.17	30.00	56.00	-25.71	QP
11	29.0613	0.10	0.73	19.35	50.00	-29.82	Average
12	29.0613	0.10	0.73	35.58	60.00	-23.59	QP



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Test Mode: 12; Line: Neutral Line



Site : Shielding Room  
Condition: Neutral  
Job No. : 00134AT  
Test mode: 12

	Freq	Cable Loss	LISN Factor	Read Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dB	
1	0.1997	0.10	0.18	28.27	53.62	-25.07	Average
2	0.1997	0.10	0.18	41.48	63.62	-21.86	QP
3	0.2687	0.09	0.18	22.61	51.16	-28.28	Average
4	0.2687	0.09	0.18	34.81	61.16	-26.08	QP
5	0.4105	0.06	0.19	23.78	47.64	-23.61	Average
6	0.4105	0.06	0.19	35.71	57.64	-21.68	QP
7	0.4812	0.09	0.19	23.49	46.32	-22.55	Average
8	0.4812	0.09	0.19	34.34	56.32	-21.70	QP
9	0.5701	0.09	0.13	13.62	46.00	-32.16	Average
10	0.5701	0.09	0.13	26.53	56.00	-29.25	QP
11	28.4519	0.10	0.66	23.22	50.00	-26.02	Average
12	28.4519	0.10	0.66	37.71	60.00	-21.53	QP



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**7.2 Duty Cycle**

Test Requirement KDB 789033 D02 II B 1  
Test Method: KDB 789033 D02 II B 1

**7.2.1 E.U.T. Operation**

Operating Environment:  
Temperature: 24.4 °C Humidity: 57.0 % RH Atmospheric Pressure: 1020 mbar

**7.2.2 Test Mode Description**

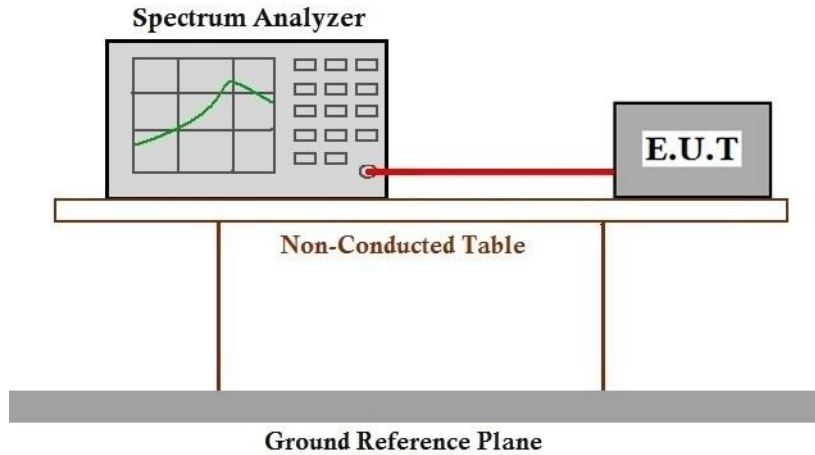
Pre-scan / Final test	Mode Code	Description
Final test	09	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	12	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.



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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: 24.4 °C Humidity: 57.0 % RH Atmospheric Pressure: 1020 mbar

**7.3.2 Test Mode Description**

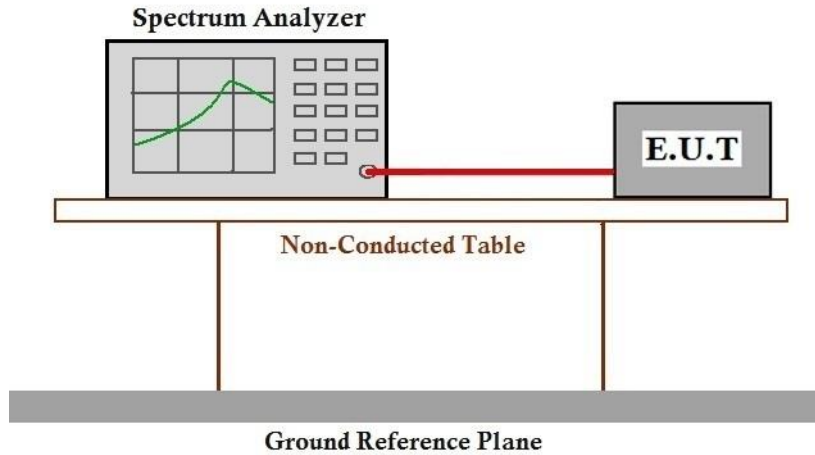
Pre-scan / Final test	Mode Code	Description
Final test	09	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	12	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.



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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 C 15.407 (a)  
Test Method: KDB 789033 D02 II C 1

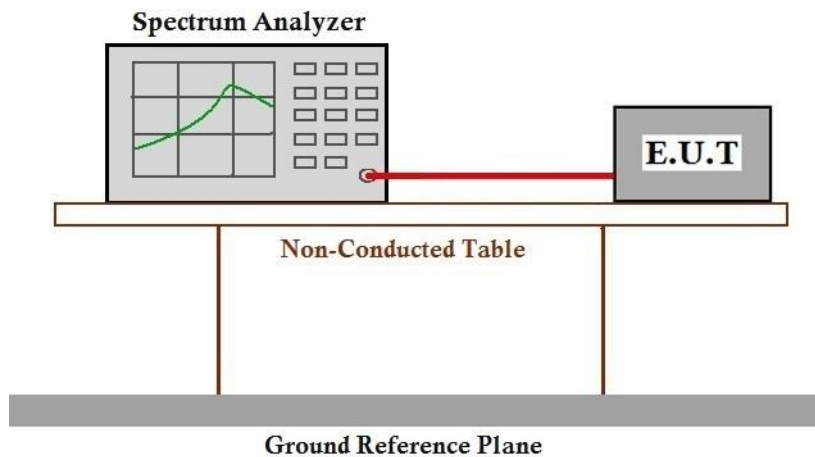
**7.4.1 E.U.T. Operation**

Operating Environment:  
Temperature: 24.4 °C Humidity: 57.0 % RH Atmospheric Pressure: 1020 mbar

**7.4.2 Test Mode Description**

Pre-scan / Final test	Mode Code	Description
Final test	09	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

**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 C 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**

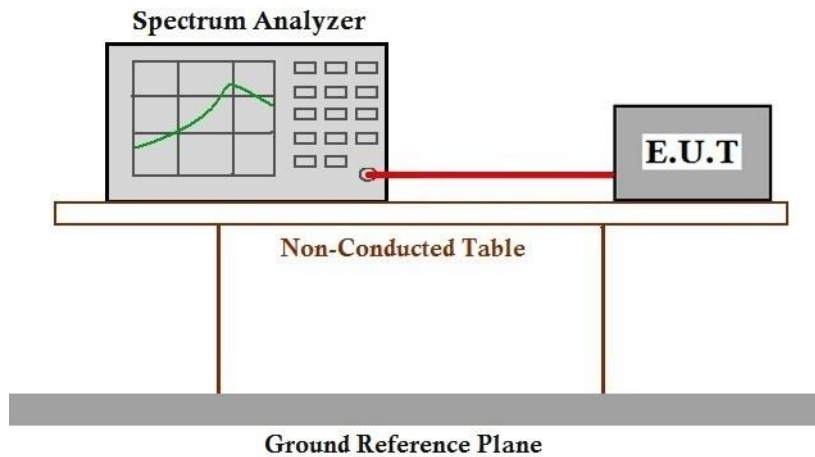
Operating Environment:

Temperature: 24.4 °C Humidity: 57.0 % RH Atmospheric Pressure: 1020 mbar

**7.5.2 Test Mode Description**

Pre-scan / Final test	Mode Code	Description
Final test	12	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

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

#### 7.6.1 E.U.T. Operation

Operating Environment:  
 Temperature: 24.4 °C Humidity: 57.0 % RH Atmospheric Pressure: 1020 mbar

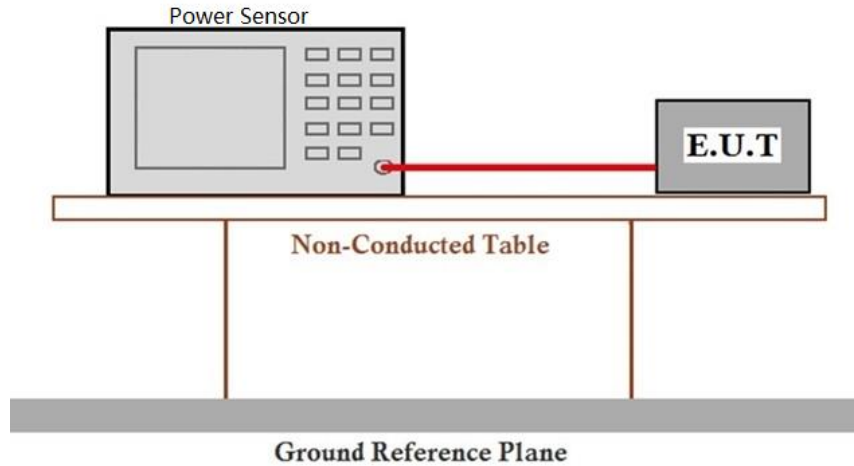
#### 7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	09	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	12	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.



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**7.6.3 Test Setup Diagram**



**7.6.4 Measurement Procedure and Data**

Please Refer to Appendix for Details



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**7.7 Peak Power spectrum density**

Test Requirement 47 CFR Part 15, Subpart C 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: 24.4 °C Humidity: 57.0 % RH Atmospheric Pressure: 1020 mbar

**7.7.2 Test Mode Description**

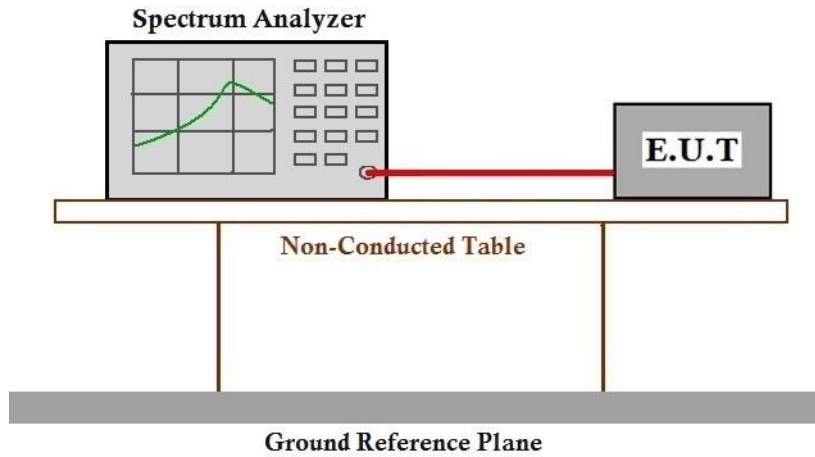
Pre-scan / Final test	Mode Code	Description
Final test	09	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	12	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.



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**7.7.3 Test Setup Diagram**



**7.7.4 Measurement Procedure and Data**

Please Refer to Appendix for Details



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**7.8 Radiated Emissions (Above 1GHz)**

Test Requirement 47 CFR Part 15, Subpart C 15.209 & 15.407(b)  
 Test Method: KDB 789033 D02 II G  
 Measurement Distance: 3m  
 Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
Above 1GHz	500	3
<p>* Frequency in CFR 15.205 Restricted Band.</p> <p>Note: Frequency in non-Restricted Band:</p> <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>		

**7.8.1 E.U.T. Operation**

Operating Environment:  
 Temperature: 23.6 °C Humidity: 52.3 % RH Atmospheric Pressure: 1020 mbar

**7.8.2 Test Mode Description**

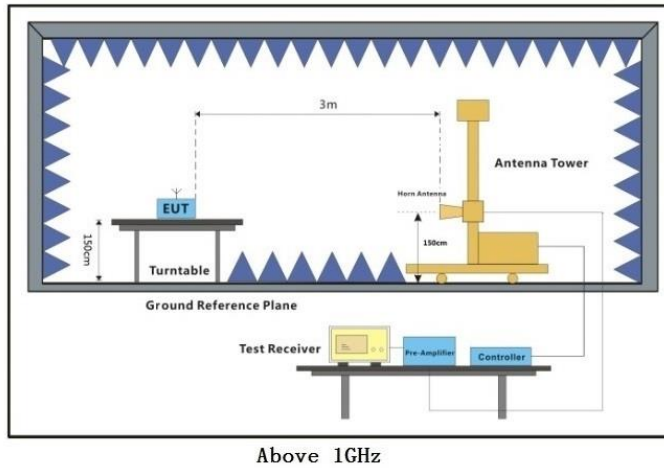
Pre-scan / Final test	Mode Code	Description
Final test	09	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of



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		IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	12	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

**7.8.3 Test Setup Diagram**



Above 1GHz



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**7.8.4 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.

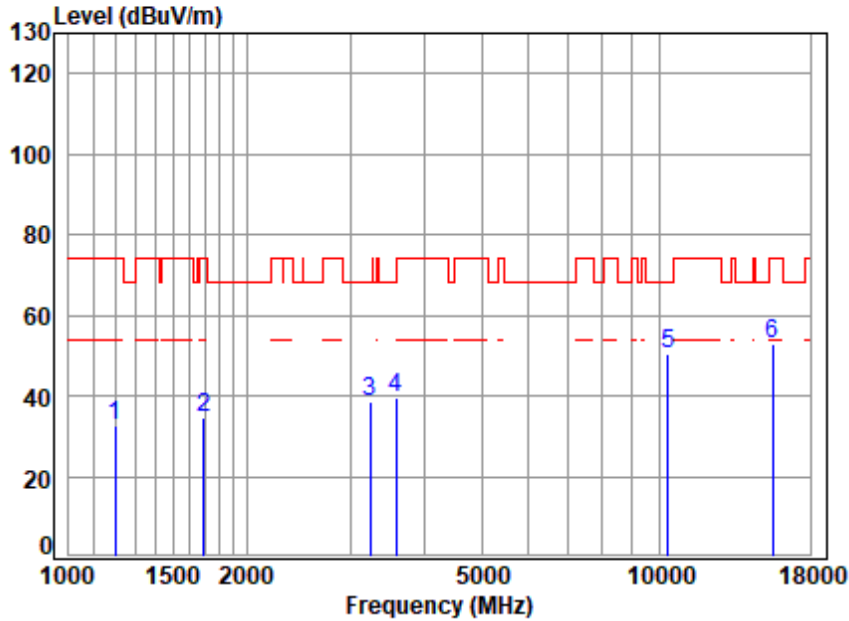


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Test Mode: 09; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5180 TX RSE  
 Note : 5G WIFI 11A

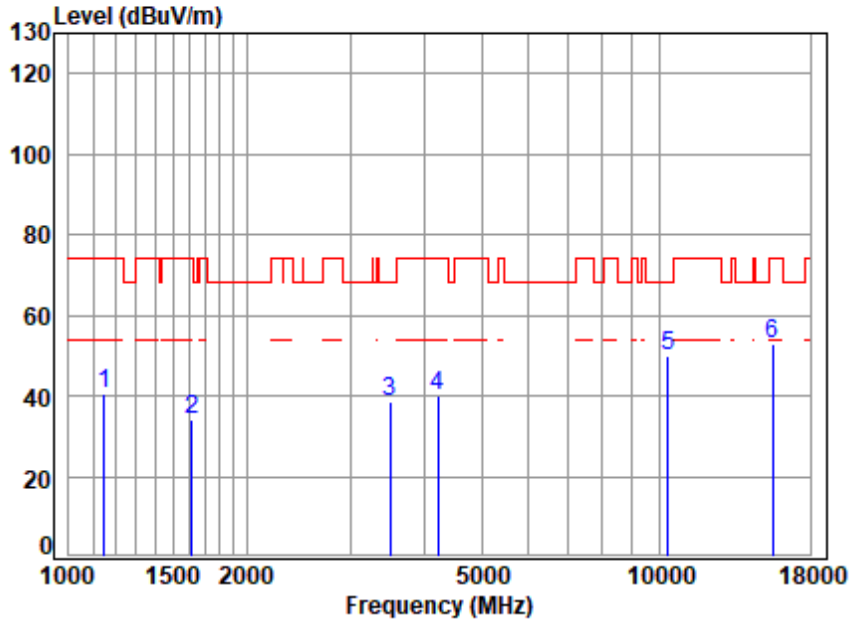
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1196.26	3.14	24.30	52.66	57.98	32.76	74.00	-41.24	peak
2	1692.23	4.18	24.99	52.96	58.63	34.84	74.00	-39.16	peak
3	3233.26	6.34	28.65	53.02	56.54	38.51	68.20	-29.69	peak
4	3577.46	7.07	28.83	52.92	56.66	39.64	68.20	-28.56	peak
5 p	10360.00	11.08	38.85	53.35	53.92	50.50	68.20	-17.70	peak
6	15540.00	13.49	39.74	53.43	52.89	52.69	74.00	-21.31	peak



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Test Mode: 09; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5180 TX RSE  
 Note : 5G WIFI 11A

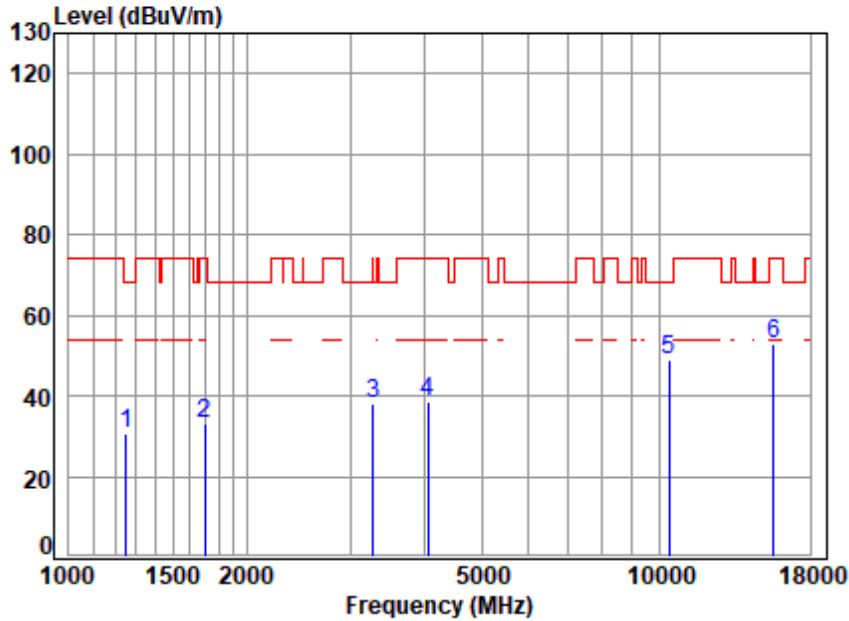
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1148.82	3.03	24.25	52.62	65.76	40.42	74.00	-33.58	peak
2	1615.75	4.02	24.83	52.92	57.98	33.91	74.00	-40.09	peak
3	3495.69	6.98	28.70	52.94	55.83	38.57	68.20	-29.63	peak
4	4218.19	7.48	29.82	52.87	55.75	40.18	74.00	-33.82	peak
5 p	10360.00	11.08	38.85	53.35	53.21	49.79	68.20	-18.41	peak
6	15540.00	13.49	39.74	53.43	53.05	52.85	74.00	-21.15	peak



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Test Mode: 09; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5200 TX RSE  
 Note : 5G WIFI 11A

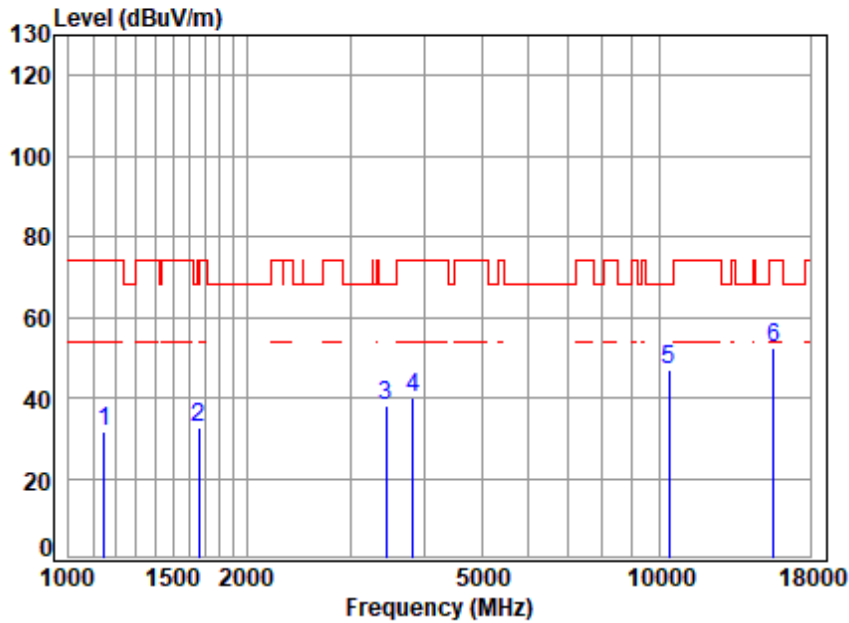
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1249.27	3.26	24.27	52.69	55.79	30.63	68.20	-37.57	peak
2	1702.04	4.20	25.01	52.96	56.77	33.02	74.00	-40.98	peak
3	3280.33	6.46	28.66	53.01	55.76	37.87	68.20	-30.33	peak
4	4050.90	7.49	29.58	52.82	54.48	38.73	74.00	-35.27	peak
5 p	10400.00	11.07	38.89	53.36	52.30	48.90	68.20	-19.30	peak
6	15600.00	13.50	39.53	53.40	53.26	52.89	74.00	-21.11	peak



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Test Mode: 09; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5200 TX RSE  
 Note : 5G WIFI 11A

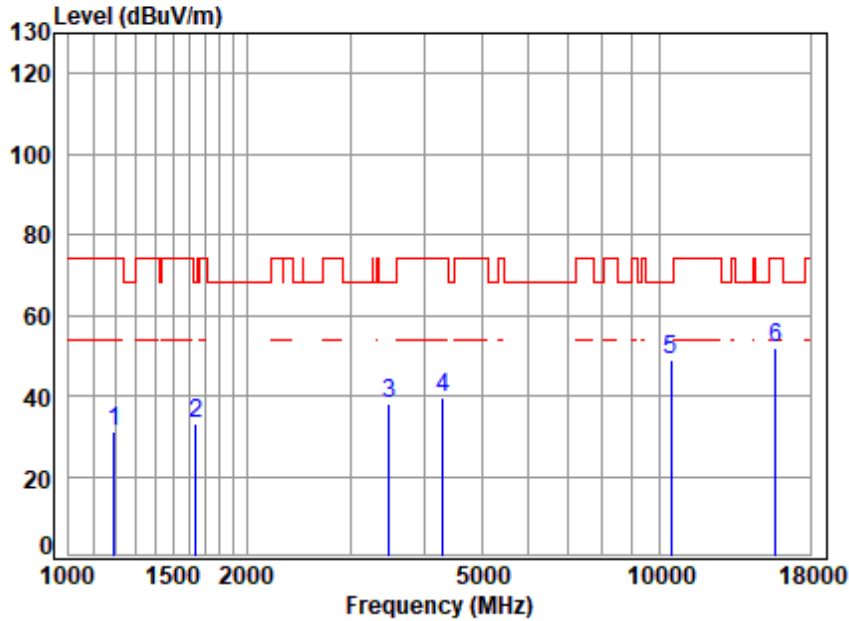
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1148.82	3.03	24.25	52.62	57.02	31.68	74.00	-42.32	peak
2	1658.34	4.11	24.92	52.94	56.69	32.78	68.20	-35.42	peak
3	3445.54	6.86	28.69	52.96	55.57	38.16	68.20	-30.04	peak
4	3834.44	7.33	29.25	52.84	56.09	39.83	74.00	-34.17	peak
5 p	10400.00	11.07	38.89	53.36	50.24	46.84	68.20	-21.36	peak
6	15600.00	13.50	39.53	53.40	52.78	52.41	74.00	-21.59	peak



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Test Mode: 09; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5240 TX RSE  
 Note : 5G WIFI 11A

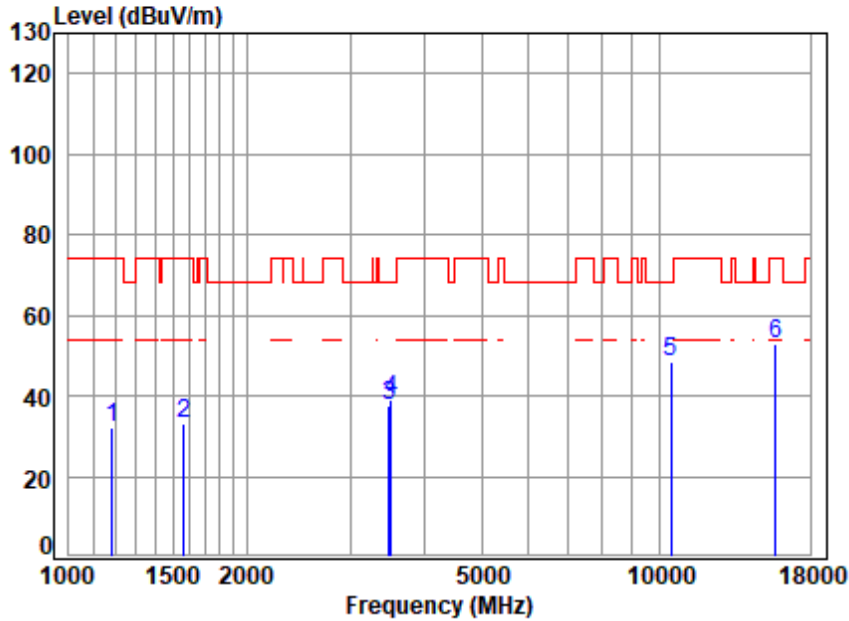
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1192.81	3.13	24.29	52.65	56.60	31.37	74.00	-42.63	peak
2	1644.02	4.08	24.89	52.93	57.14	33.18	68.20	-35.02	peak
3	3485.60	6.96	28.70	52.94	55.57	38.29	68.20	-29.91	peak
4	4304.40	7.48	29.94	52.90	55.05	39.57	74.00	-34.43	peak
5 p	10480.00	11.06	38.99	53.40	52.24	48.89	68.20	-19.31	peak
6	15720.00	13.50	39.13	53.34	52.43	51.72	74.00	-22.28	peak



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Test Mode: 09; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5240 TX RSE  
 Note : 5G WIFI 11A

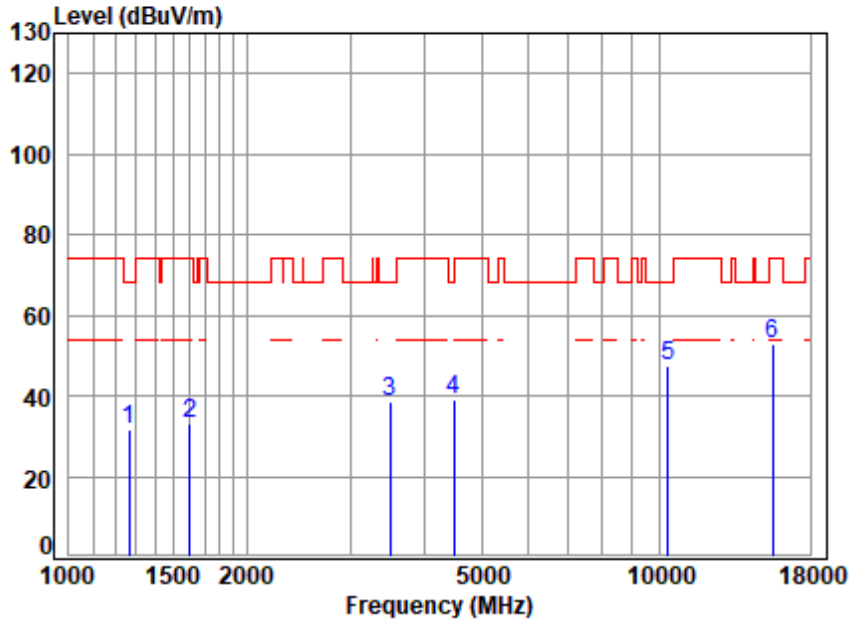
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1185.94	3.12	24.29	52.65	57.32	32.08	74.00	-41.92	peak
2	1569.72	3.92	24.71	52.89	57.18	32.92	74.00	-41.08	peak
3	3485.60	6.96	28.70	52.94	54.90	37.62	68.20	-30.58	peak
4	3515.96	7.01	28.73	52.93	56.35	39.16	68.20	-29.04	peak
5 p	10480.00	11.06	38.99	53.40	51.64	48.29	68.20	-19.91	peak
6	15720.00	13.50	39.13	53.34	53.36	52.65	74.00	-21.35	peak



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Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5180 TX RSE  
 Note : 5G WIFI 11N20

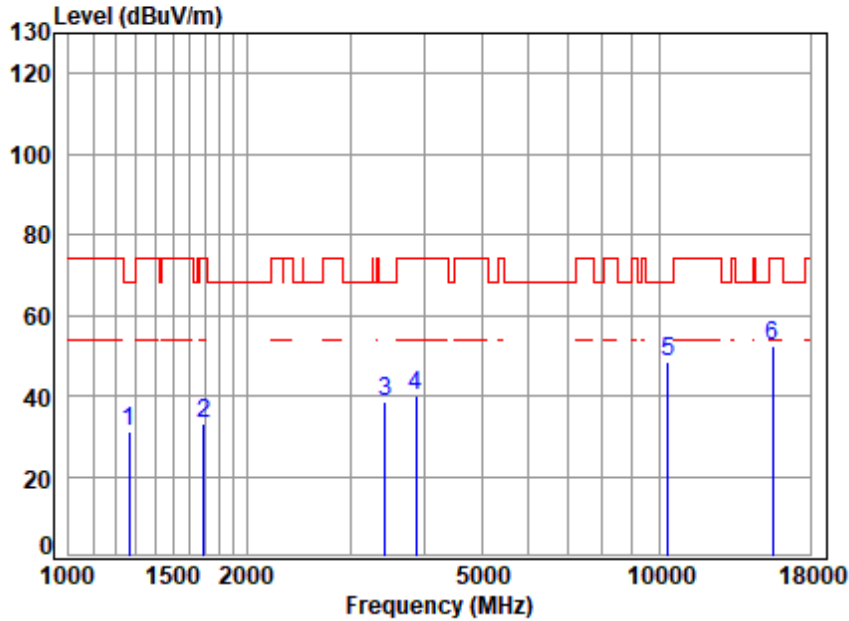
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1263.80	3.29	24.27	52.70	56.58	31.44	68.20	-36.76	peak
2	1606.44	4.00	24.81	52.91	56.99	32.89	74.00	-41.11	peak
3	3495.69	6.98	28.70	52.94	55.92	38.66	68.20	-29.54	peak
4	4495.13	7.47	30.19	52.96	54.54	39.24	68.20	-28.96	peak
5 p	10360.00	11.08	38.85	53.35	50.99	47.57	68.20	-20.63	peak
6	15540.00	13.49	39.74	53.43	53.15	52.95	74.00	-21.05	peak



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Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5180 TX RSE  
 Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1267.45	3.30	24.26	52.71	56.28	31.13	68.20	-37.07 peak
2	1692.23	4.18	24.99	52.96	56.90	33.11	74.00	-40.89 peak
3	3435.59	6.84	28.69	52.96	55.74	38.31	68.20	-29.89 peak
4	3867.83	7.36	29.30	52.84	56.21	40.03	74.00	-33.97 peak
5 p	10360.00	11.08	38.85	53.35	51.95	48.53	68.20	-19.67 peak
6	15540.00	13.49	39.74	53.43	52.39	52.19	74.00	-21.81 peak

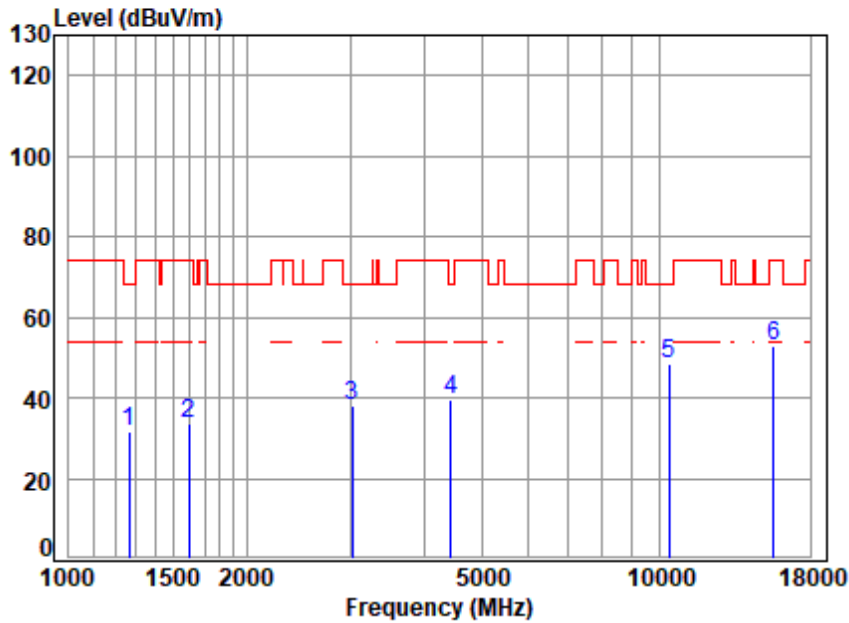


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Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5200 TX RSE  
 Note : 5G WIFI 11N20

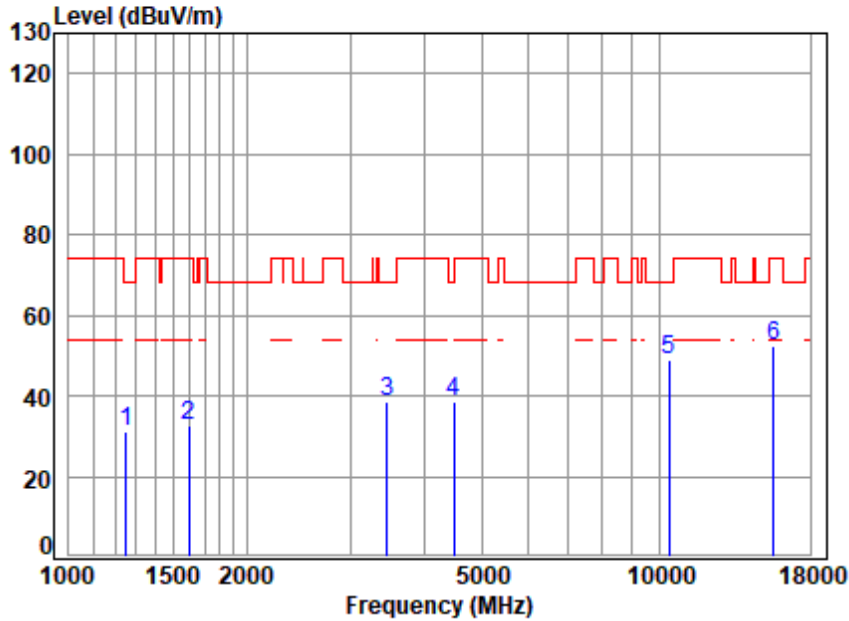
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1267.45	3.30	24.26	52.71	56.68	31.53	68.20	-36.67	peak
2	1597.18	3.98	24.79	52.91	57.98	33.84	74.00	-40.16	peak
3	3016.58	5.77	28.60	53.09	56.72	38.00	68.20	-30.20	peak
4	4430.63	7.47	30.11	52.94	55.02	39.66	68.20	-28.54	peak
5 p	10400.00	11.07	38.89	53.36	51.78	48.38	68.20	-19.82	peak
6	15600.00	13.50	39.53	53.40	53.27	52.90	74.00	-21.10	peak



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Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5200 TX RSE  
 Note : 5G WIFI 11N20

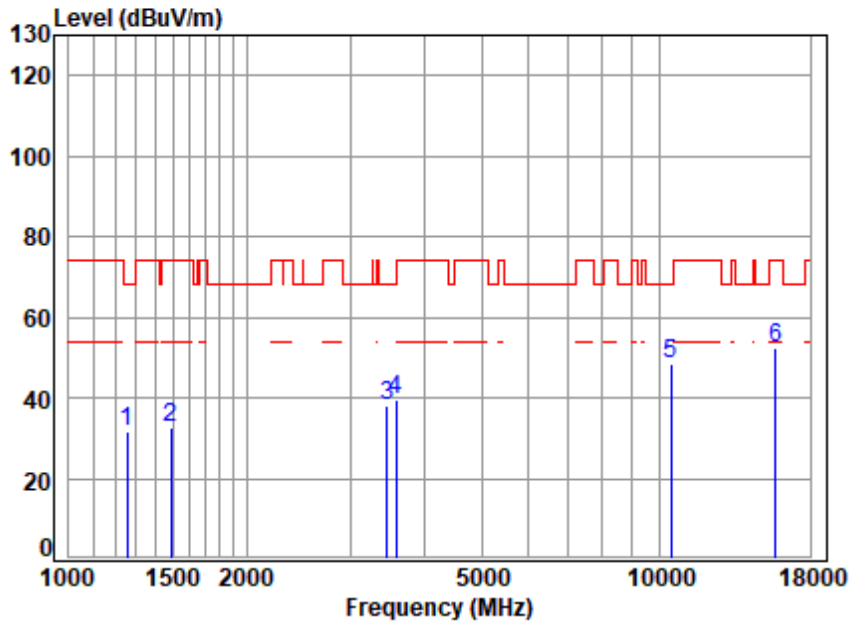
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1249.27	3.26	24.27	52.69	56.53	31.37	68.20	-36.83	peak
2	1597.18	3.98	24.79	52.91	56.69	32.55	74.00	-41.45	peak
3	3465.51	6.91	28.69	52.95	55.85	38.50	68.20	-29.70	peak
4	4495.13	7.47	30.19	52.96	53.87	38.57	68.20	-29.63	peak
5 p	10400.00	11.07	38.89	53.36	52.26	48.86	68.20	-19.34	peak
6	15600.00	13.50	39.53	53.40	52.86	52.49	74.00	-21.51	peak



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Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5240 TX RSE  
 Note : 5G WIFI 11N20

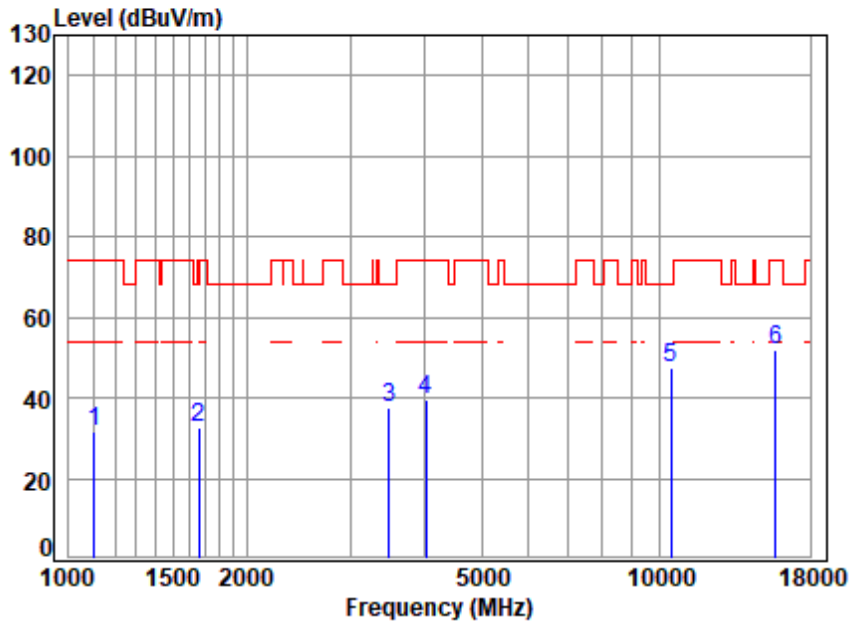
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1256.51	3.28	24.27	52.70	56.59	31.44	68.20	-36.76	peak
2	1490.14	3.75	24.48	52.85	57.36	32.74	74.00	-41.26	peak
3	3455.51	6.88	28.69	52.95	55.40	38.02	68.20	-30.18	peak
4	3587.82	7.08	28.85	52.91	56.39	39.41	68.20	-28.79	peak
5 p	10480.00	11.06	38.99	53.40	51.64	48.29	68.20	-19.91	peak
6	15720.00	13.50	39.13	53.34	52.98	52.27	74.00	-21.73	peak



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Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5240 TX RSE  
 Note : 5G WIFI 11N20

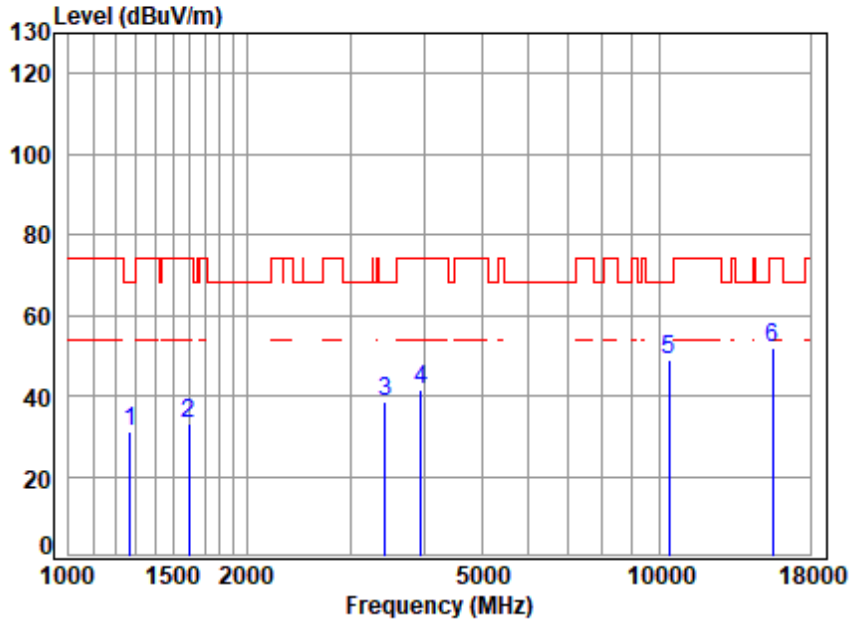
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.26	2.91	24.21	52.59	57.23	31.76	74.00	-42.24	peak
2	1663.14	4.12	24.93	52.94	56.60	32.71	74.00	-41.29	peak
3	3485.60	6.96	28.70	52.94	54.94	37.66	68.20	-30.54	peak
4	4027.55	7.49	29.54	52.81	55.11	39.33	74.00	-34.67	peak
5 p	10480.00	11.06	38.99	53.40	50.65	47.30	68.20	-20.90	peak
6	15720.00	13.50	39.13	53.34	52.49	51.78	74.00	-22.22	peak



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Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5190 TX RSE  
 Note : 5G WIFI 11N40

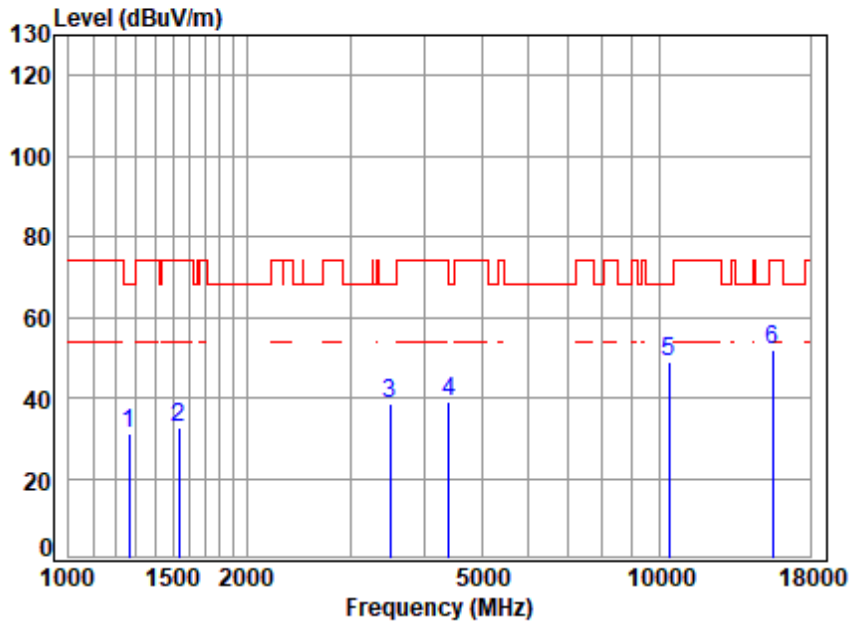
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1271.12	3.31	24.26	52.71	56.34	31.20	68.20	-37.00	peak
2	1597.18	3.98	24.79	52.91	57.13	32.99	74.00	-41.01	peak
3	3435.59	6.84	28.69	52.96	55.78	38.35	68.20	-29.85	peak
4	3946.89	7.44	29.42	52.81	57.56	41.61	74.00	-32.39	peak
5 p	10380.00	11.07	38.87	53.36	52.16	48.74	68.20	-19.46	peak
6	15570.00	13.49	39.64	53.41	52.22	51.94	74.00	-22.06	peak



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Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5190 TX RSE  
 Note : 5G WIFI 11N40

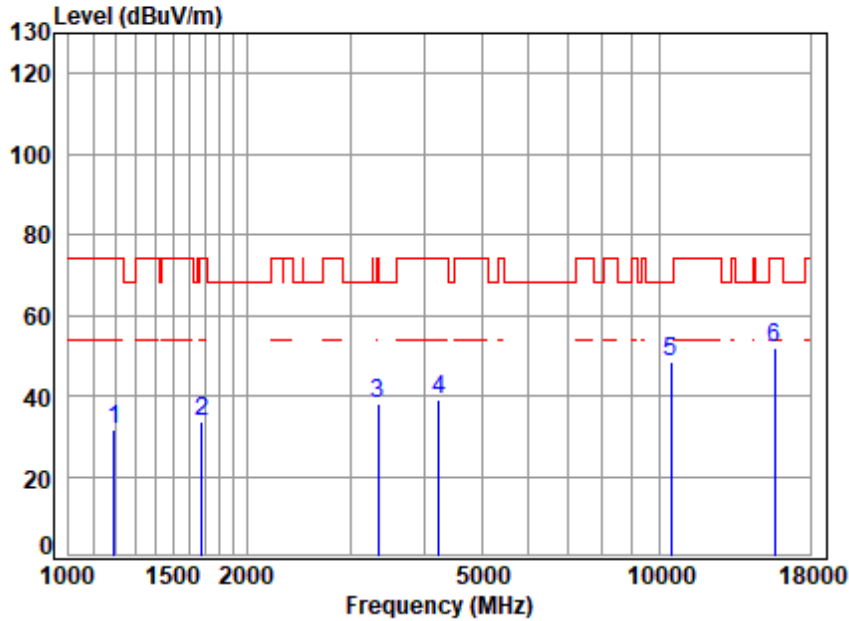
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1267.45	3.30	24.26	52.71	56.19	31.04	68.20	-37.16	peak
2	1533.84	3.85	24.61	52.87	57.03	32.62	74.00	-41.38	peak
3	3495.69	6.98	28.70	52.94	55.73	38.47	68.20	-29.73	peak
4	4405.09	7.47	30.07	52.93	54.30	38.91	68.20	-29.29	peak
5 p	10380.00	11.07	38.87	53.36	52.31	48.89	68.20	-19.31	peak
6	15570.00	13.49	39.64	53.41	52.35	52.07	74.00	-21.93	peak



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Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5230 TX RSE  
 Note : 5G WIFI 11N40

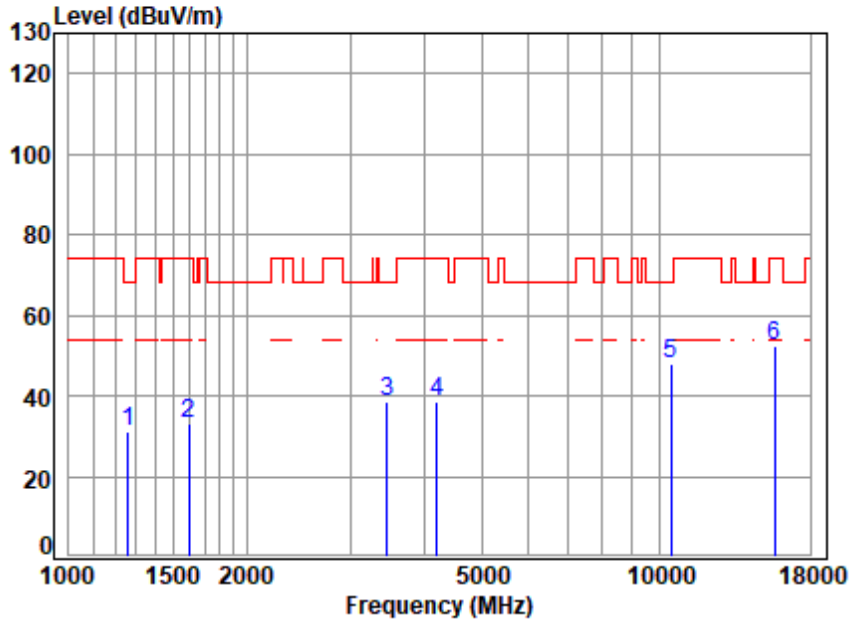
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1192.81	3.13	24.29	52.65	56.83	31.60	74.00	-42.40	peak
2	1677.62	4.15	24.96	52.95	57.24	33.40	74.00	-40.60	peak
3	3347.37	6.62	28.67	52.99	55.52	37.82	74.00	-36.18	peak
4	4230.40	7.48	29.83	52.88	54.82	39.25	74.00	-34.75	peak
5 p	10460.00	11.06	38.97	53.39	51.68	48.32	68.20	-19.88	peak
6	15690.00	13.50	39.23	53.35	52.52	51.90	74.00	-22.10	peak



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Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5230 TX RSE  
 Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1260.15	3.28	24.27	52.70	56.49	31.34	68.20	-36.86	peak
2	1597.18	3.98	24.79	52.91	57.09	32.95	74.00	-41.05	peak
3	3455.51	6.88	28.69	52.95	55.85	38.47	68.20	-29.73	peak
4	4193.87	7.48	29.78	52.86	54.39	38.79	74.00	-35.21	peak
5 p	10460.00	11.06	38.97	53.39	51.48	48.12	68.20	-20.08	peak
6	15690.00	13.50	39.23	53.35	53.08	52.46	74.00	-21.54	peak

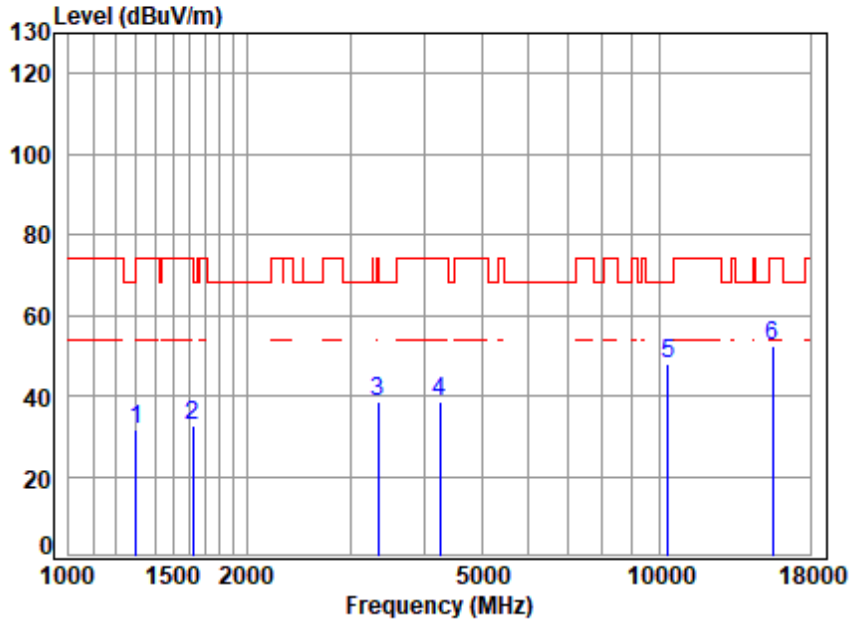


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Test Mode: 09; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5180 TX RSE  
 Note : 5G WIFI 11AC20

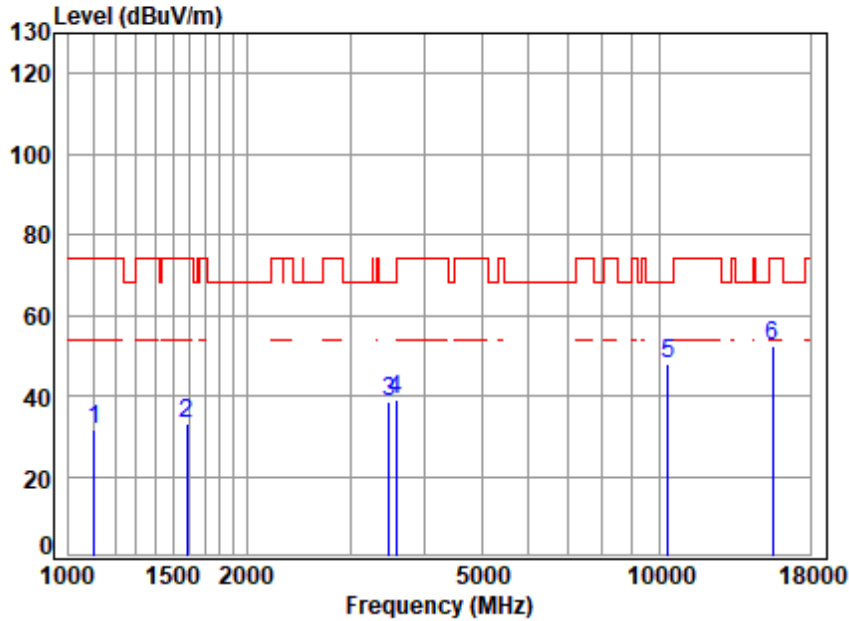
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.86	3.37	24.25	52.73	56.65	31.54	74.00	-42.46	peak
2	1620.43	4.03	24.84	52.92	56.51	32.46	74.00	-41.54	peak
3	3337.71	6.60	28.67	52.99	56.21	38.49	74.00	-35.51	peak
4	4242.64	7.48	29.85	52.88	54.30	38.75	74.00	-35.25	peak
5 p	10360.00	11.08	38.85	53.35	51.25	47.83	68.20	-20.37	peak
6	15540.00	13.49	39.74	53.43	52.47	52.27	74.00	-21.73	peak



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Test Mode: 09; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5180 TX RSE  
 Note : 5G WIFI 11AC20

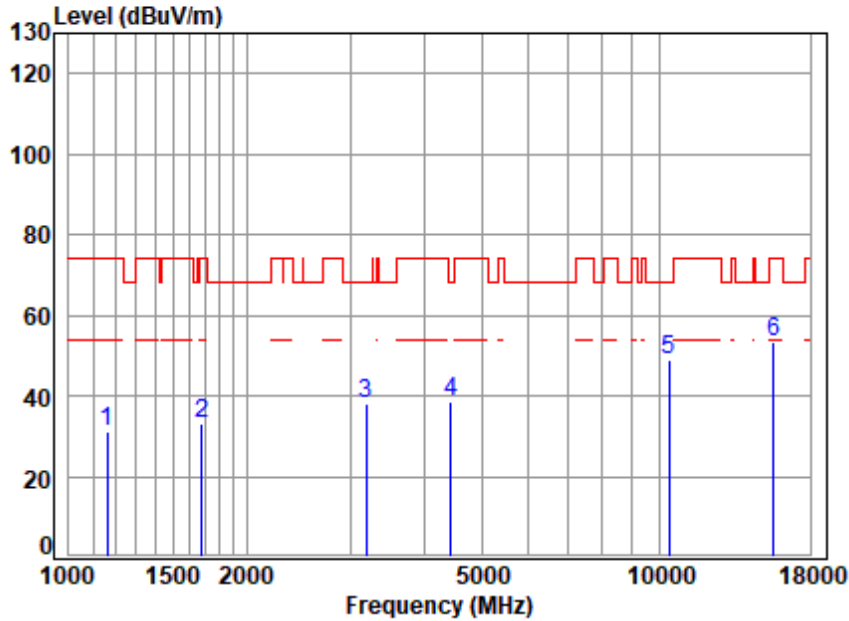
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.26	2.91	24.21	52.59	56.98	31.51	74.00	-42.49	peak
2	1587.98	3.96	24.77	52.90	57.50	33.33	74.00	-40.67	peak
3	3485.60	6.96	28.70	52.94	55.67	38.39	68.20	-29.81	peak
4	3587.82	7.08	28.85	52.91	56.24	39.26	68.20	-28.94	peak
5 p	10360.00	11.08	38.85	53.35	51.58	48.16	68.20	-20.04	peak
6	15540.00	13.49	39.74	53.43	52.55	52.35	74.00	-21.65	peak



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Test Mode: 09; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5200 TX RSE  
 Note : 5G WIFI 11AC20

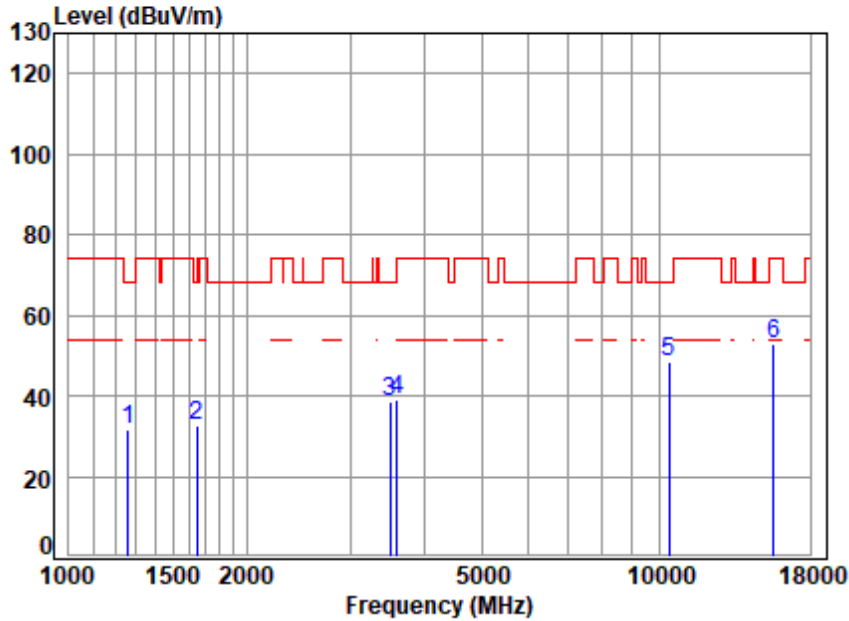
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1162.18	3.06	24.26	52.63	56.47	31.16	74.00	-42.84	peak
2	1677.62	4.15	24.96	52.95	56.77	32.93	74.00	-41.07	peak
3	3186.87	6.22	28.64	53.04	56.20	38.02	68.20	-30.18	peak
4	4430.63	7.47	30.11	52.94	53.80	38.44	68.20	-29.76	peak
5 p	10400.00	11.07	38.89	53.36	52.43	49.03	68.20	-19.17	peak
6	15600.00	13.50	39.53	53.40	53.70	53.33	74.00	-20.67	peak



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Test Mode: 09; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5200 TX RSE  
 Note : 5G WIFI 11AC20

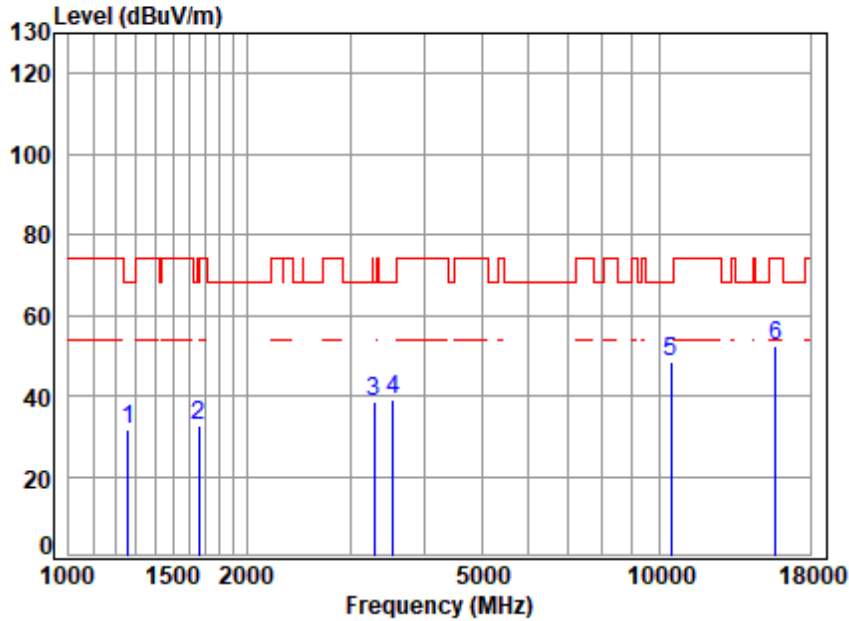
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1260.15	3.28	24.27	52.70	56.86	31.71	68.20	-36.49	peak
2	1648.78	4.09	24.90	52.93	56.34	32.40	68.20	-35.80	peak
3	3495.69	6.98	28.70	52.94	56.00	38.74	68.20	-29.46	peak
4	3598.20	7.09	28.87	52.91	56.19	39.24	68.20	-28.96	peak
5 p	10400.00	11.07	38.89	53.36	52.04	48.64	68.20	-19.56	peak
6	15600.00	13.50	39.53	53.40	53.09	52.72	74.00	-21.28	peak



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Test Mode: 09; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5240 TX RSE  
 Note : 5G WIFI 11AC20

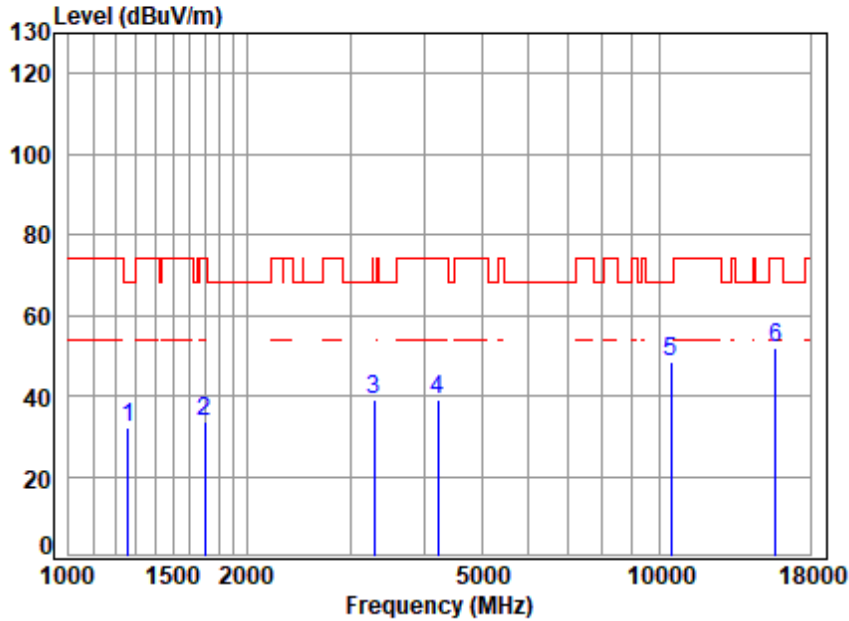
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1260.15	3.28	24.27	52.70	56.62	31.47	68.20	-36.73	peak
2	1658.34	4.11	24.92	52.94	56.57	32.66	68.20	-35.54	peak
3	3289.82	6.48	28.66	53.00	56.46	38.60	68.20	-29.60	peak
4	3536.34	7.03	28.76	52.93	55.98	38.84	68.20	-29.36	peak
5 p	10480.00	11.06	38.99	53.40	51.99	48.64	68.20	-19.56	peak
6	15720.00	13.50	39.13	53.34	52.93	52.22	74.00	-21.78	peak



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Test Mode: 09; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5240 TX RSE  
 Note : 5G WIFI 11AC20

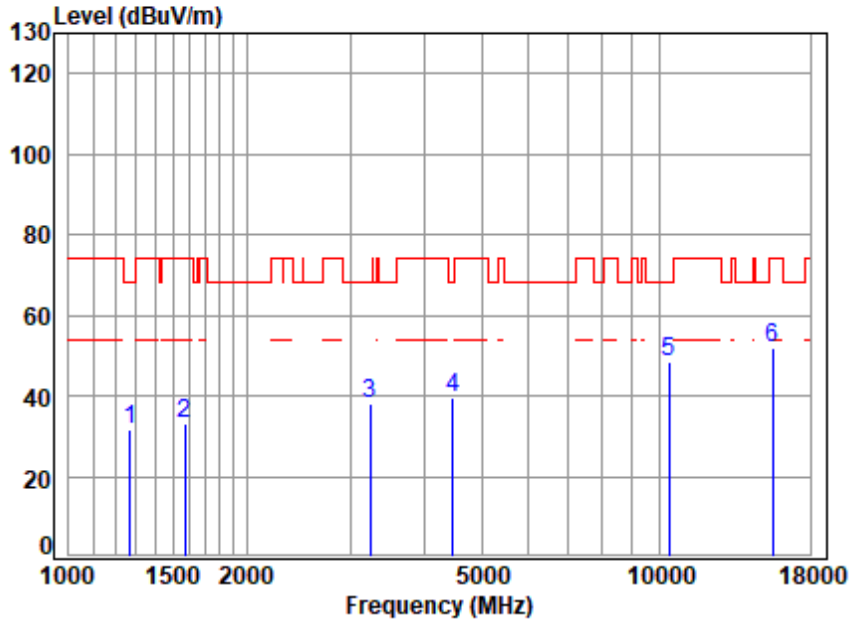
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1260.15	3.28	24.27	52.70	57.41	32.26	68.20	-35.94	peak
2	1697.13	4.19	25.00	52.96	57.16	33.39	74.00	-40.61	peak
3	3289.82	6.48	28.66	53.00	56.76	38.90	68.20	-29.30	peak
4	4218.19	7.48	29.82	52.87	54.54	38.97	74.00	-35.03	peak
5 p	10480.00	11.06	38.99	53.40	51.60	48.25	68.20	-19.95	peak
6	15720.00	13.50	39.13	53.34	52.60	51.89	74.00	-22.11	peak



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Test Mode: 09; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5190 TX RSE  
 Note : 5G WIFI 11AC40

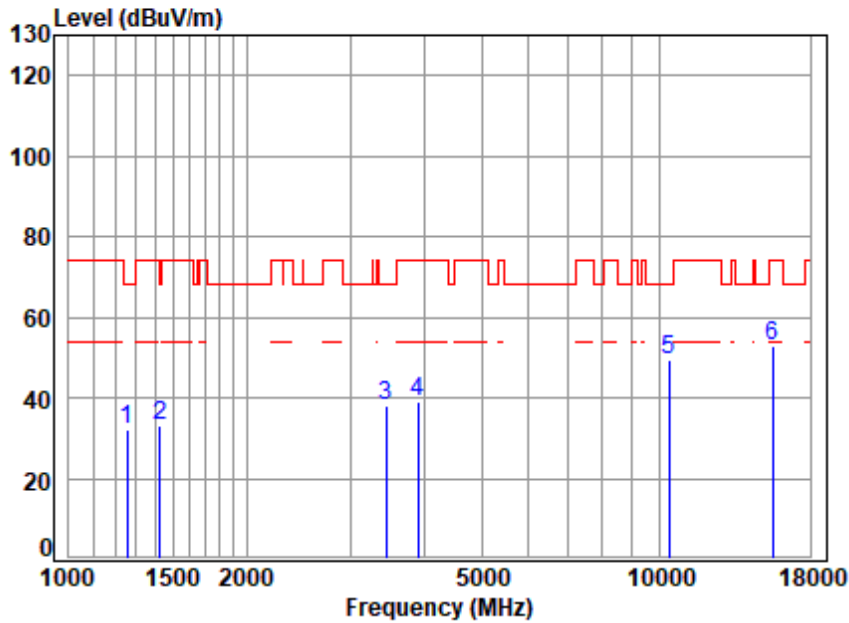
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1271.12	3.31	24.26	52.71	56.97	31.83	68.20	-36.37	peak
2	1574.27	3.93	24.73	52.89	57.25	33.02	74.00	-40.98	peak
3	3233.26	6.34	28.65	53.02	56.23	38.20	68.20	-30.00	peak
4	4469.21	7.47	30.16	52.95	54.87	39.55	68.20	-28.65	peak
5 p	10380.00	11.07	38.87	53.36	51.90	48.48	68.20	-19.72	peak
6	15570.00	13.49	39.64	53.41	52.09	51.81	74.00	-22.19	peak



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Test Mode: 09; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5190 TX RSE  
 Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1256.51	3.28	24.27	52.70	57.18	32.03	68.20	-36.17	peak
2	1426.92	3.63	24.29	52.81	58.08	33.19	74.00	-40.81	peak
3	3445.54	6.86	28.69	52.96	55.23	37.82	68.20	-30.38	peak
4	3901.52	7.40	29.35	52.83	54.99	38.91	74.00	-35.09	peak
5 p	10380.00	11.07	38.87	53.36	52.80	49.38	68.20	-18.82	peak
6	15570.00	13.49	39.64	53.41	53.27	52.99	74.00	-21.01	peak

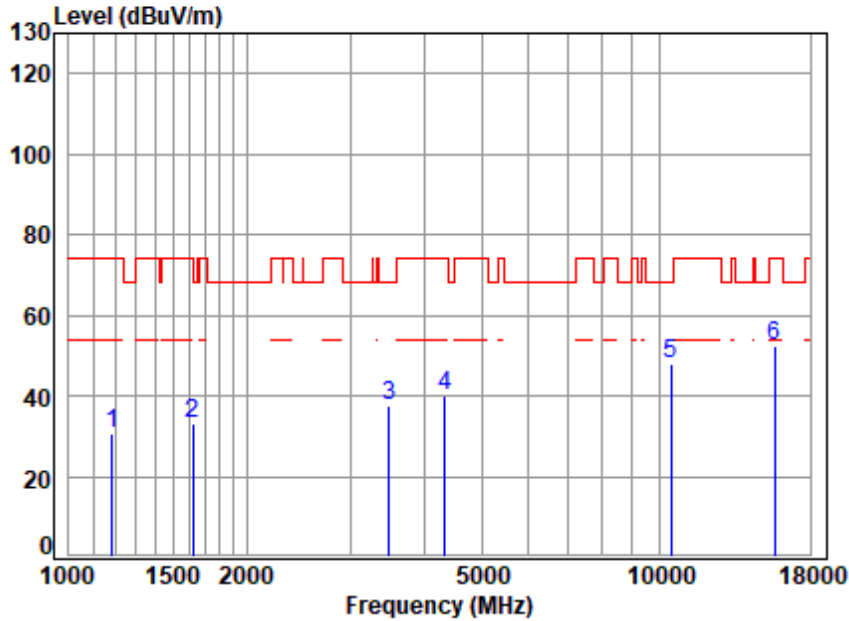


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Test Mode: 09; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5230 TX RSE  
 Note : 5G WIFI 11AC40

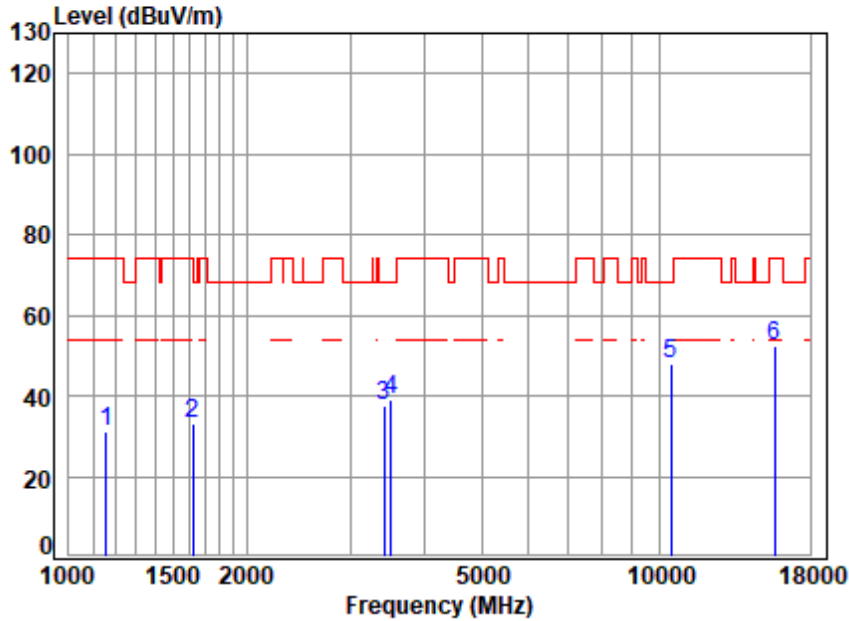
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1185.94	3.12	24.29	52.65	56.11	30.87	74.00	-43.13	peak
2	1620.43	4.03	24.84	52.92	57.28	33.23	74.00	-40.77	peak
3	3485.60	6.96	28.70	52.94	54.81	37.53	68.20	-30.67	peak
4	4341.89	7.48	29.99	52.91	55.29	39.85	74.00	-34.15	peak
5 p	10460.00	11.06	38.97	53.39	51.45	48.09	68.20	-20.11	peak
6	15690.00	13.50	39.23	53.35	53.19	52.57	74.00	-21.43	peak



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Test Mode: 09; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5230 TX RSE  
 Note : 5G WIFI 11AC40

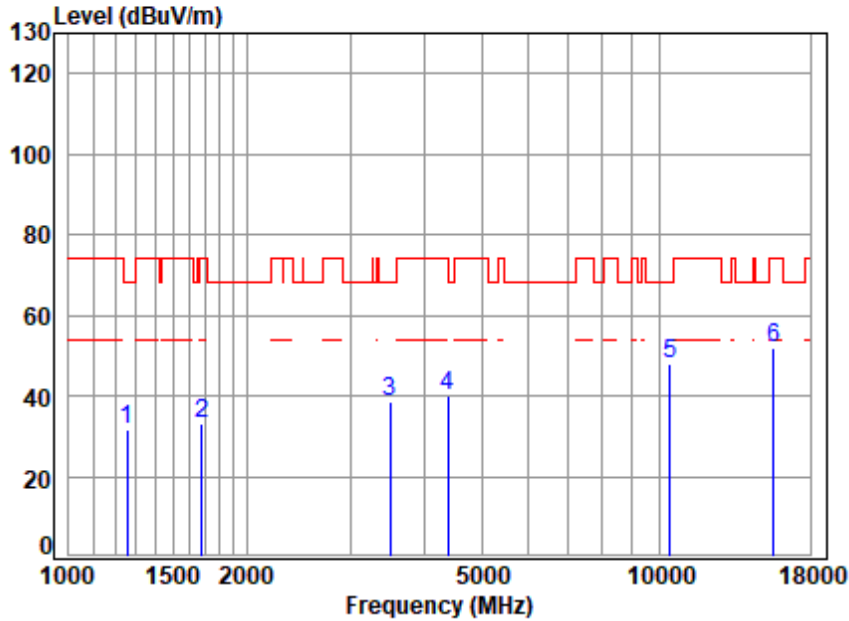
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1158.83	3.05	24.26	52.63	56.58	31.26	74.00	-42.74	peak
2	1620.43	4.03	24.84	52.92	57.17	33.12	74.00	-40.88	peak
3	3425.68	6.81	28.69	52.96	55.00	37.54	68.20	-30.66	peak
4	3515.96	7.01	28.73	52.93	56.31	39.12	68.20	-29.08	peak
5 p	10460.00	11.06	38.97	53.39	51.24	47.88	68.20	-20.32	peak
6	15690.00	13.50	39.23	53.35	52.93	52.31	74.00	-21.69	peak



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Test Mode: 09; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5210 TX RSE  
 Note : 5G WIFI 11AC80

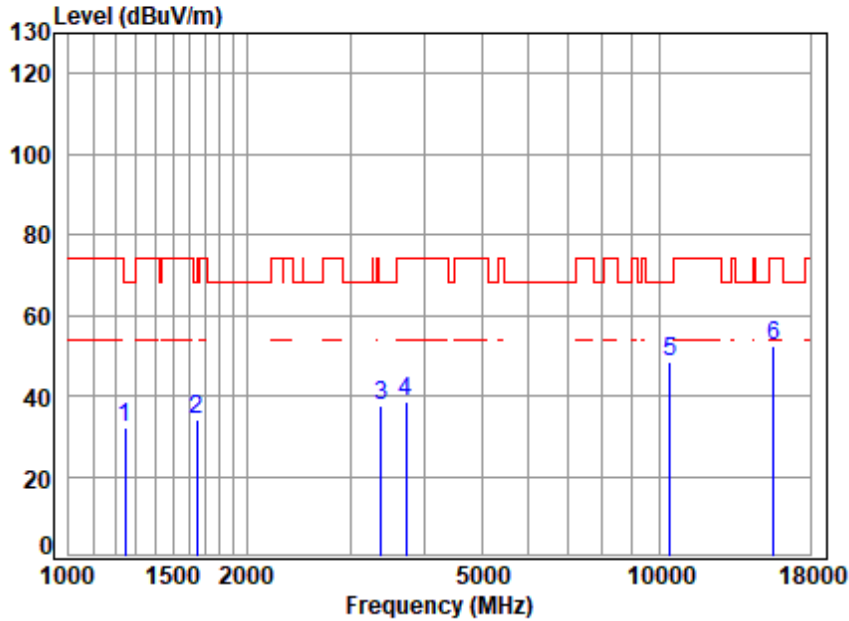
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1256.51	3.28	24.27	52.70	56.75	31.60	68.20	-36.60	peak
2	1677.62	4.15	24.96	52.95	57.02	33.18	74.00	-40.82	peak
3	3495.69	6.98	28.70	52.94	55.71	38.45	68.20	-29.75	peak
4	4379.70	7.47	30.04	52.92	55.68	40.27	74.00	-33.73	peak
5 p	10420.00	11.07	38.92	53.37	51.53	48.15	68.20	-20.05	peak
6	15630.00	13.50	39.43	53.38	52.26	51.81	74.00	-22.19	peak



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Test Mode: 09; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5210 TX RSE  
 Note : 5G WIFI 11AC80

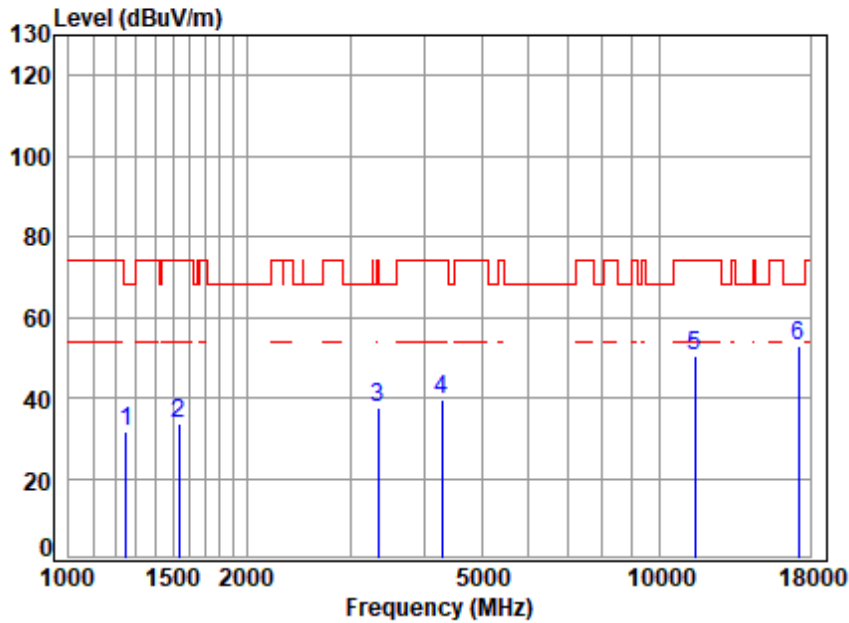
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1245.66	3.25	24.28	52.69	57.46	32.30	68.20	-35.90	peak
2	1648.78	4.09	24.90	52.93	58.05	34.11	68.20	-34.09	peak
3	3376.52	6.69	28.68	52.98	55.19	37.58	68.20	-30.62	peak
4	3725.20	7.22	29.07	52.87	55.23	38.65	74.00	-35.35	peak
5 p	10420.00	11.07	38.92	53.37	51.91	48.53	68.20	-19.67	peak
6	15630.00	13.50	39.43	53.38	53.07	52.62	74.00	-21.38	peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5745 TX RSE  
 Note : 5G WIFI 11A

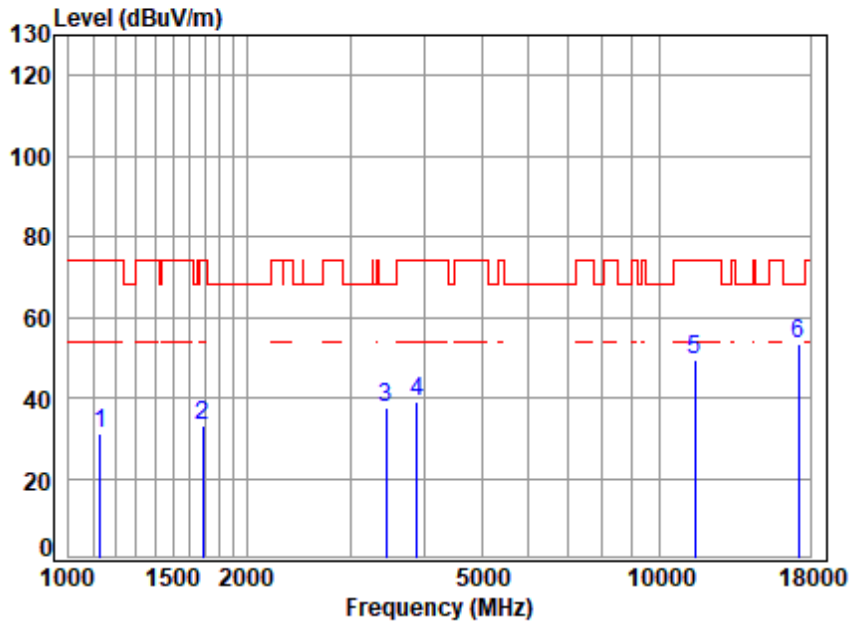
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1249.27	3.26	24.27	52.69	56.59	31.43	68.20	-36.77	peak
2	1538.28	3.86	24.62	52.87	58.13	33.74	74.00	-40.26	peak
3	3337.71	6.60	28.67	52.99	55.52	37.80	74.00	-36.20	peak
4	4279.59	7.48	29.90	52.89	54.92	39.41	74.00	-34.59	peak
5	11490.00	11.60	39.70	53.80	52.92	50.42	74.00	-23.58	peak
6 p	17235.00	14.39	42.87	52.46	47.93	52.73	68.20	-15.47	peak



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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5745 TX RSE  
 Note : 5G WIFI 11A

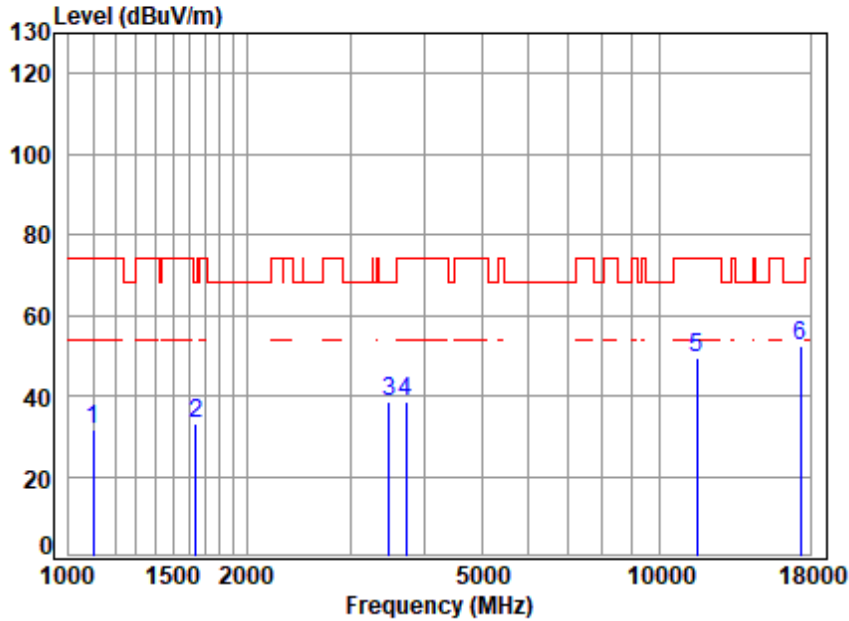
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1132.34	2.99	24.24	52.61	56.71	31.33	74.00	-42.67	peak
2	1687.35	4.17	24.98	52.95	56.76	32.96	74.00	-41.04	peak
3	3445.54	6.86	28.69	52.96	55.02	37.61	68.20	-30.59	peak
4	3890.26	7.39	29.33	52.83	55.26	39.15	74.00	-34.85	peak
5	11490.00	11.60	39.70	53.80	51.83	49.33	74.00	-24.67	peak
6 p	17235.00	14.39	42.87	52.46	48.47	53.27	68.20	-14.93	peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5785 TX RSE  
 Note : 5G WIFI 11A

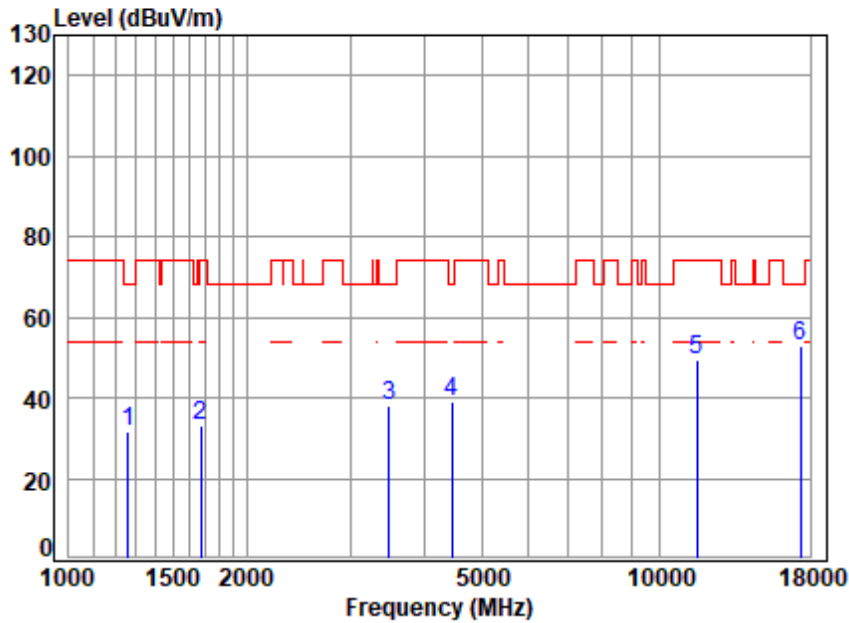
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1100.08	2.91	24.20	52.58	57.00	31.53	74.00	-42.47	peak
2	1644.02	4.08	24.89	52.93	57.16	33.20	68.20	-35.00	peak
3	3485.60	6.96	28.70	52.94	55.63	38.35	68.20	-29.85	peak
4	3725.20	7.22	29.07	52.87	54.95	38.37	74.00	-35.63	peak
5	11570.00	11.60	39.72	53.83	52.02	49.51	74.00	-24.49	peak
6 p	17355.00	14.44	43.52	52.38	46.90	52.48	68.20	-15.72	peak



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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5785 TX RSE  
 Note : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1260.15	3.28	24.27	52.70	56.92	31.77	68.20	-36.43 peak
2	1672.78	4.14	24.95	52.95	56.89	33.03	74.00	-40.97 peak
3	3485.60	6.96	28.70	52.94	55.34	38.06	68.20	-30.14 peak
4	4456.32	7.47	30.14	52.95	54.34	39.00	68.20	-29.20 peak
5	11570.00	11.60	39.72	53.83	52.01	49.50	74.00	-24.50 peak
6 p	17355.00	14.44	43.52	52.38	47.16	52.74	68.20	-15.46 peak

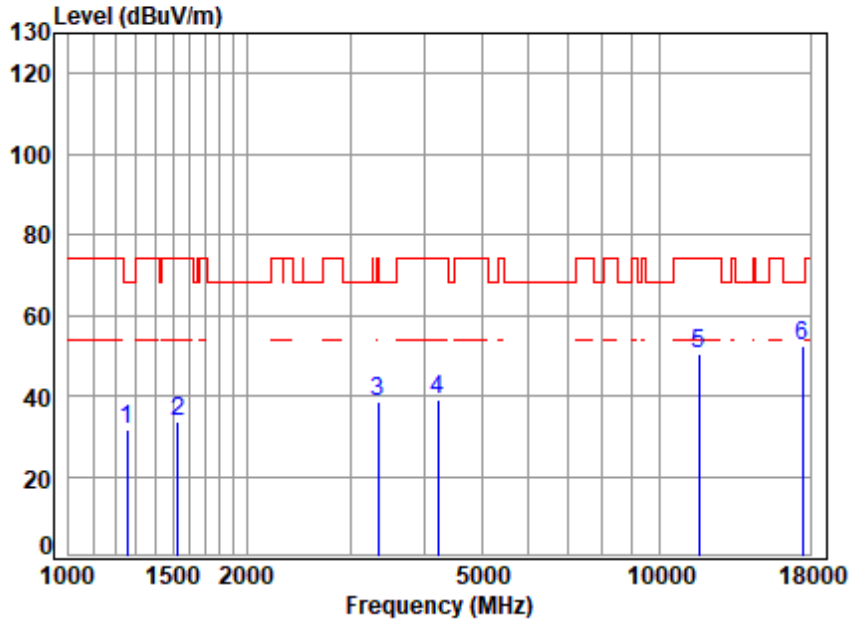


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Test Mode: 12; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5825 TX RSE  
 Note : 5G WIFI 11A

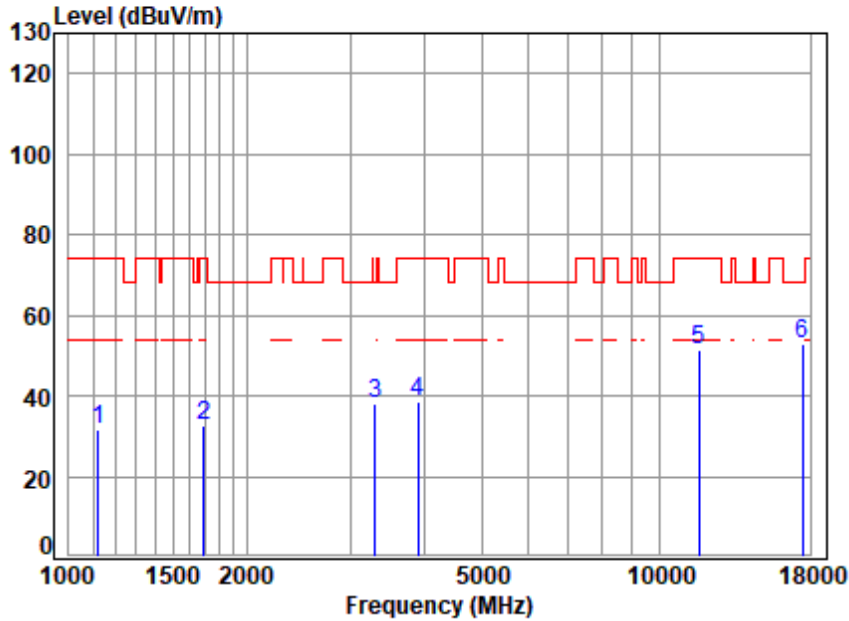
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1256.51	3.28	24.27	52.70	56.76	31.61	68.20	-36.59	peak
2	1529.41	3.84	24.60	52.87	57.84	33.41	74.00	-40.59	peak
3	3347.37	6.62	28.67	52.99	56.25	38.55	74.00	-35.45	peak
4	4218.19	7.48	29.82	52.87	54.69	39.12	74.00	-34.88	peak
5	11650.00	11.60	39.73	53.86	53.14	50.61	74.00	-23.39	peak
6 p	17475.00	14.48	44.16	52.31	46.18	52.51	68.20	-15.69	peak



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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5825 TX RSE  
 Note : 5G WIFI 11A

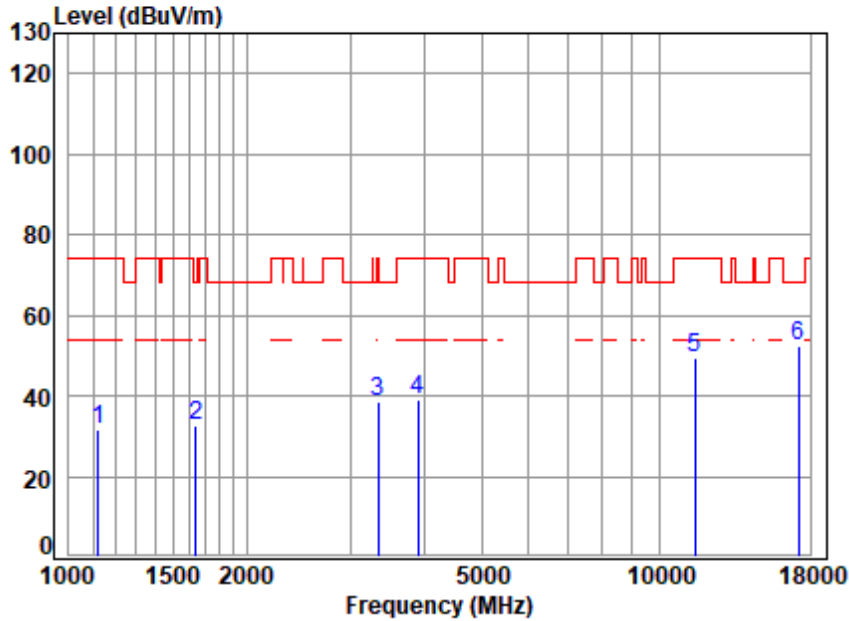
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.56	2.96	24.23	52.60	56.82	31.41	74.00	-42.59 peak
2	1692.23	4.18	24.99	52.96	56.57	32.78	74.00	-41.22 peak
3	3299.34	6.50	28.66	53.00	55.72	37.88	68.20	-30.32 peak
4	3901.52	7.40	29.35	52.83	54.53	38.45	74.00	-35.55 peak
5	11650.00	11.60	39.73	53.86	53.81	51.28	74.00	-22.72 peak
6 p	17475.00	14.48	44.16	52.31	46.32	52.65	68.20	-15.55 peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5745 TX RSE  
 Note : 5G WIFI 11N20

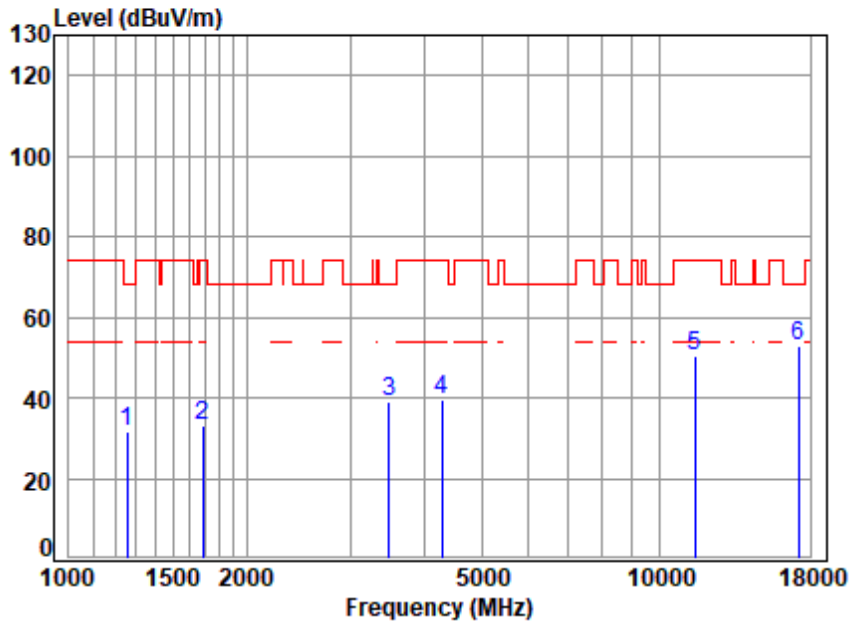
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1122.56	2.96	24.23	52.60	56.93	31.52	74.00	-42.48	peak
2	1644.02	4.08	24.89	52.93	56.82	32.86	68.20	-35.34	peak
3	3337.71	6.60	28.67	52.99	56.18	38.46	74.00	-35.54	peak
4	3901.52	7.40	29.35	52.83	54.98	38.90	74.00	-35.10	peak
5	11490.00	11.60	39.70	53.80	52.05	49.55	74.00	-24.45	peak
6 p	17235.00	14.39	42.87	52.46	47.73	52.53	68.20	-15.67	peak



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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5745 TX RSE  
 Note : 5G WIFI 11N20

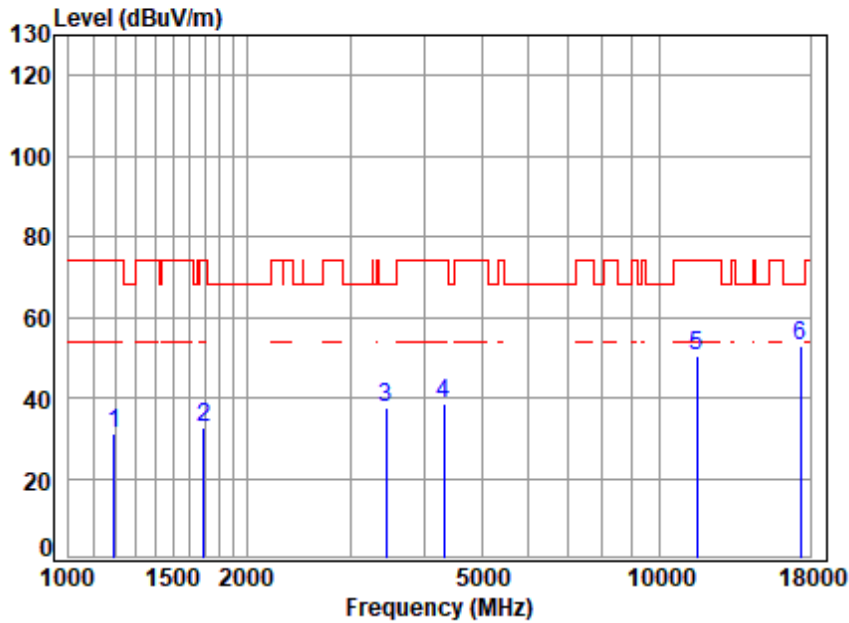
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1256.51	3.28	24.27	52.70	56.96	31.81	68.20	-36.39 peak
2	1687.35	4.17	24.98	52.95	57.10	33.30	74.00	-40.70 peak
3	3485.60	6.96	28.70	52.94	56.34	39.06	68.20	-29.14 peak
4	4279.59	7.48	29.90	52.89	55.20	39.69	74.00	-34.31 peak
5	11490.00	11.60	39.70	53.80	52.75	50.25	74.00	-23.75 peak
6 p	17235.00	14.39	42.87	52.46	47.87	52.67	68.20	-15.53 peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5785 TX RSE  
 Note : 5G WIFI 11N20

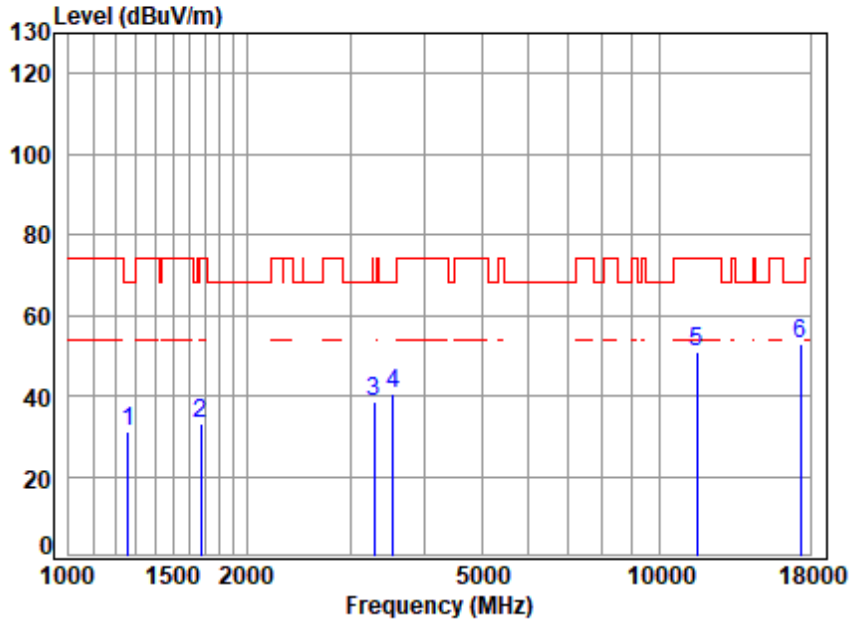
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1192.81	3.13	24.29	52.65	56.44	31.21	74.00	-42.79	peak
2	1692.23	4.18	24.99	52.96	56.60	32.81	74.00	-41.19	peak
3	3445.54	6.86	28.69	52.96	55.22	37.81	68.20	-30.39	peak
4	4316.86	7.48	29.95	52.90	54.25	38.78	74.00	-35.22	peak
5	11570.00	11.60	39.72	53.83	52.81	50.30	74.00	-23.70	peak
6 p	17355.00	14.44	43.52	52.38	47.07	52.65	68.20	-15.55	peak



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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5785 TX RSE  
 Note : 5G WIFI 11N20

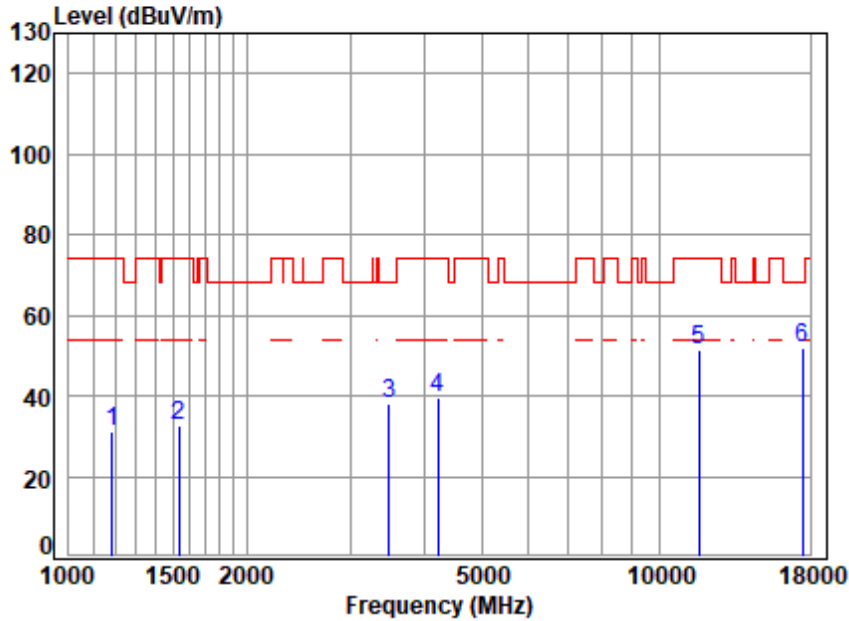
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1260.15	3.28	24.27	52.70	56.23	31.08	68.20	-37.12 peak
2	1672.78	4.14	24.95	52.95	56.76	32.90	74.00	-41.10 peak
3	3289.82	6.48	28.66	53.00	56.27	38.41	68.20	-29.79 peak
4	3536.34	7.03	28.76	52.93	57.49	40.35	68.20	-27.85 peak
5	11570.00	11.60	39.72	53.83	53.32	50.81	74.00	-23.19 peak
6 p	17355.00	14.44	43.52	52.38	47.39	52.97	68.20	-15.23 peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5825 TX RSE  
 Note : 5G WIFI 11N20

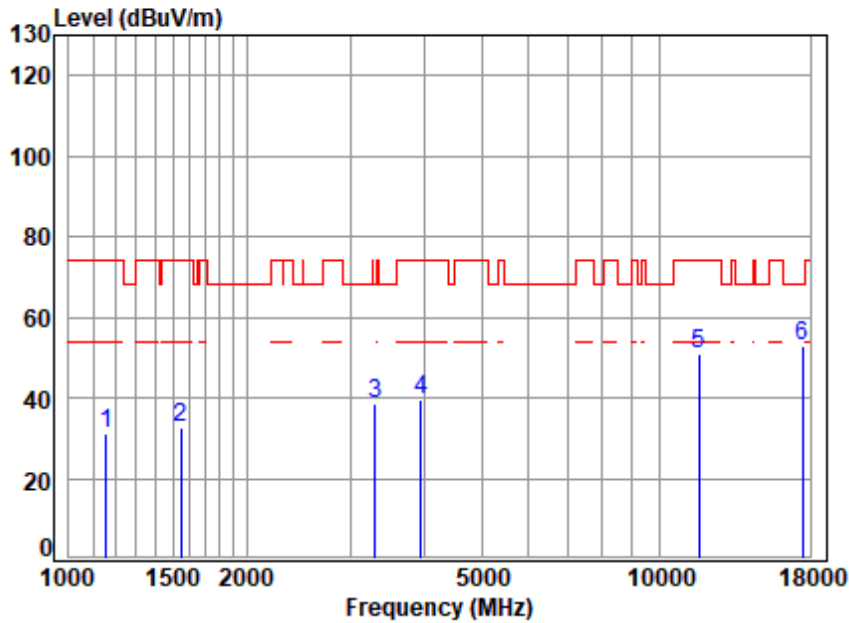
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1185.94	3.12	24.29	52.65	56.60	31.36	74.00	-42.64	peak
2	1538.28	3.86	24.62	52.87	57.14	32.75	74.00	-41.25	peak
3	3485.60	6.96	28.70	52.94	55.20	37.92	68.20	-30.28	peak
4	4218.19	7.48	29.82	52.87	54.87	39.30	74.00	-34.70	peak
5	11650.00	11.60	39.73	53.86	54.06	51.53	74.00	-22.47	peak
6 p	17475.00	14.48	44.16	52.31	45.53	51.86	68.20	-16.34	peak



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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5825 TX RSE  
 Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1158.83	3.05	24.26	52.63	56.66	31.34	74.00	-42.66	peak
2	1547.20	3.88	24.65	52.88	57.02	32.67	74.00	-41.33	peak
3	3299.34	6.50	28.66	53.00	56.59	38.75	68.20	-29.45	peak
4	3946.89	7.44	29.42	52.81	55.37	39.42	74.00	-34.58	peak
5	11650.00	11.60	39.73	53.86	53.60	51.07	74.00	-22.93	peak
6 p	17475.00	14.48	44.16	52.31	46.38	52.71	68.20	-15.49	peak

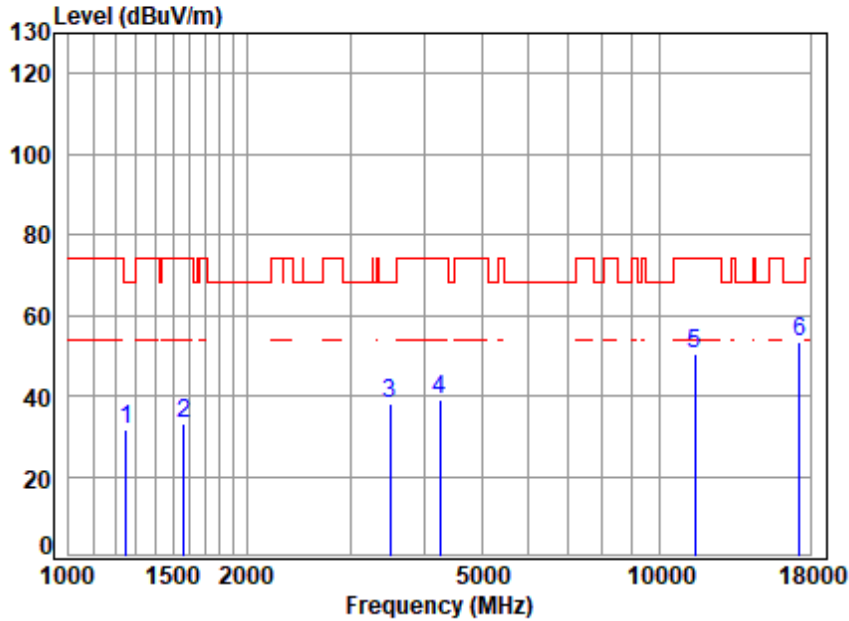


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Test Mode: 12; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5755 TX RSE  
 Note : 5G WIFI 11N40

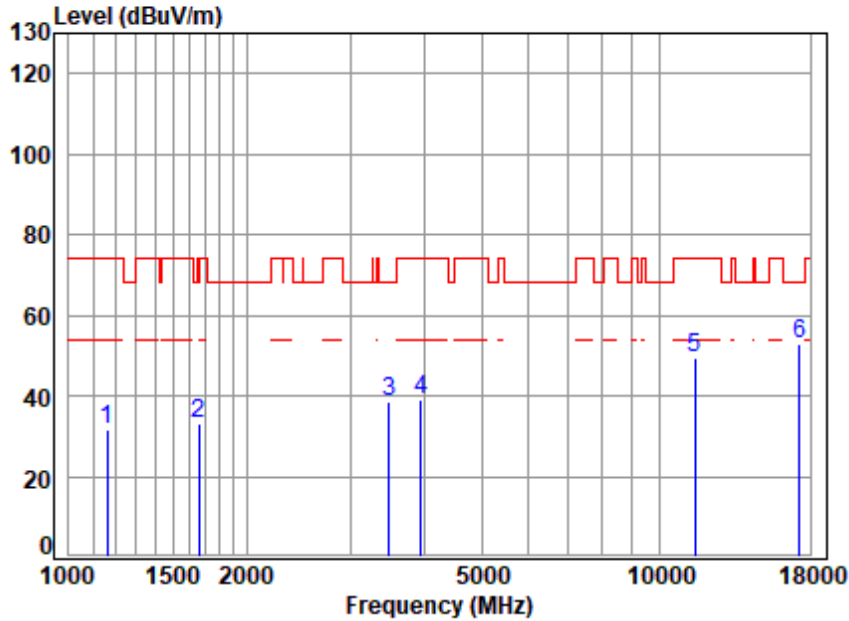
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1249.27	3.26	24.27	52.69	56.83	31.67	68.20	-36.53	peak
2	1565.19	3.91	24.70	52.89	57.28	33.00	74.00	-41.00	peak
3	3495.69	6.98	28.70	52.94	55.37	38.11	68.20	-30.09	peak
4	4254.92	7.48	29.87	52.88	54.53	39.00	74.00	-35.00	peak
5	11510.00	11.60	39.70	53.81	52.94	50.43	74.00	-23.57	peak
6 p	17265.00	14.40	43.03	52.44	48.42	53.41	68.20	-14.79	peak



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Test Mode: 12; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5755 TX RSE  
 Note : 5G WIFI 11N40

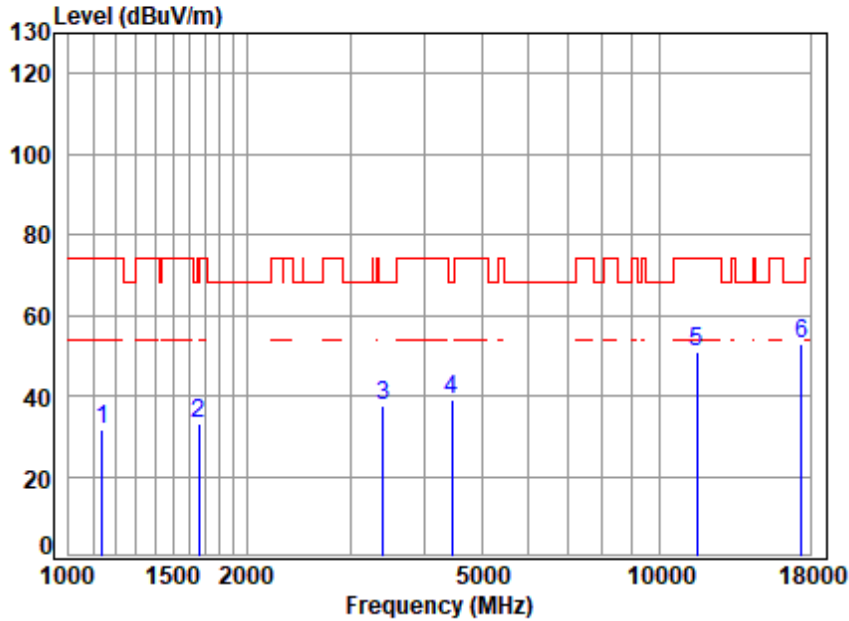
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1162.18	3.06	24.26	52.63	56.87	31.56	74.00	-42.44	peak
2	1658.34	4.11	24.92	52.94	56.98	33.07	68.20	-35.13	peak
3	3485.60	6.96	28.70	52.94	56.07	38.79	68.20	-29.41	peak
4	3946.89	7.44	29.42	52.81	54.90	38.95	74.00	-35.05	peak
5	11510.00	11.60	39.70	53.81	51.78	49.27	74.00	-24.73	peak
6 p	17265.00	14.40	43.03	52.44	47.90	52.89	68.20	-15.31	peak



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Test Mode: 12; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5795 TX RSE  
 Note : 5G WIFI 11N40

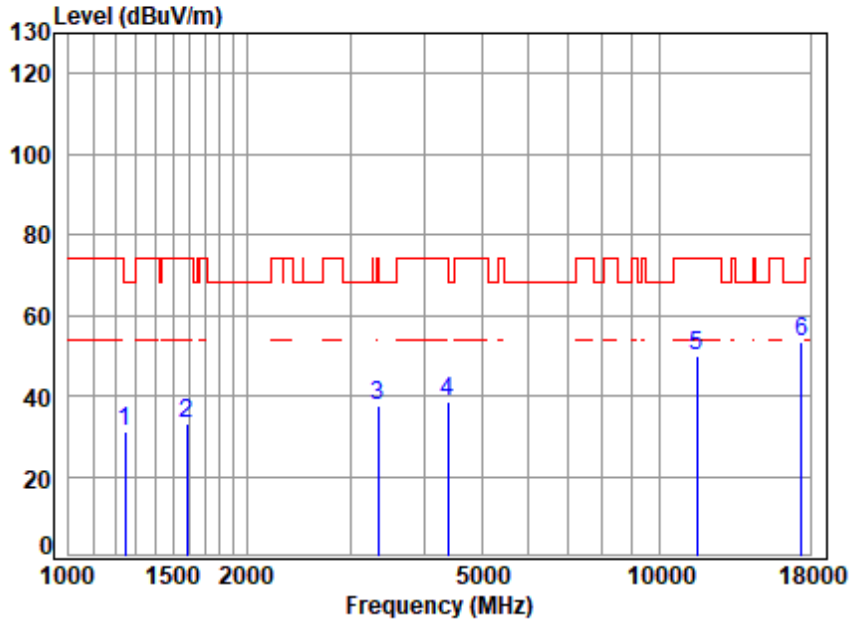
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1138.90	3.00	24.24	52.61	56.81	31.44	74.00	-42.56	peak
2	1658.34	4.11	24.92	52.94	56.87	32.96	68.20	-35.24	peak
3	3405.93	6.77	28.68	52.97	55.19	37.67	68.20	-30.53	peak
4	4456.32	7.47	30.14	52.95	54.48	39.14	68.20	-29.06	peak
5	11590.00	11.60	39.72	53.84	53.36	50.84	74.00	-23.16	peak
6 p	17385.00	14.45	43.68	52.36	47.01	52.78	68.20	-15.42	peak



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Test Mode: 12; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5795 TX RSE  
 Note : 5G WIFI 11N40

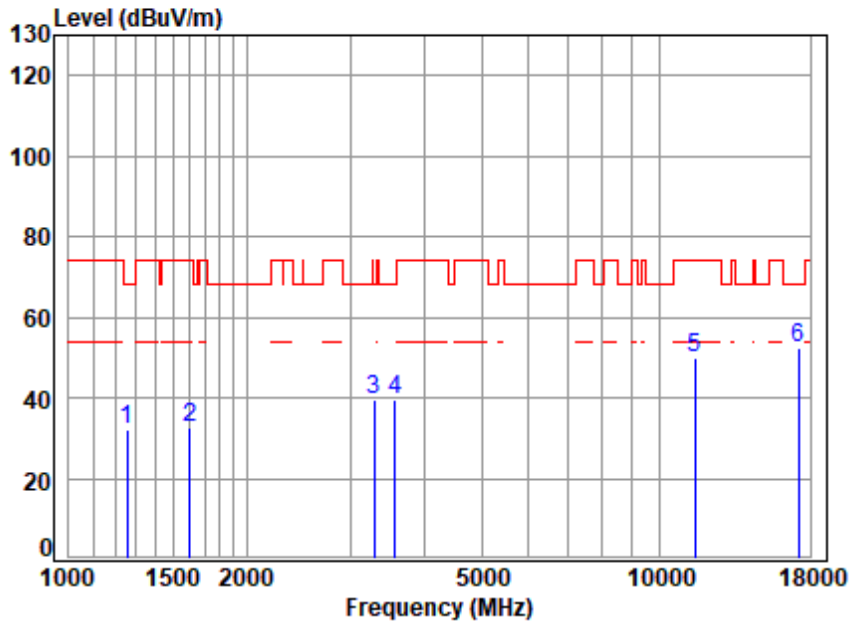
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1245.66	3.25	24.28	52.69	56.22	31.06	68.20	-37.14	peak
2	1583.39	3.95	24.75	52.90	57.27	33.07	74.00	-40.93	peak
3	3347.37	6.62	28.67	52.99	55.17	37.47	74.00	-36.53	peak
4	4379.70	7.47	30.04	52.92	53.91	38.50	74.00	-35.50	peak
5	11590.00	11.60	39.72	53.84	52.31	49.79	74.00	-24.21	peak
6 p	17385.00	14.45	43.68	52.36	47.49	53.26	68.20	-14.94	peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5745 TX RSE  
 Note : 5G WIFI 11AC20

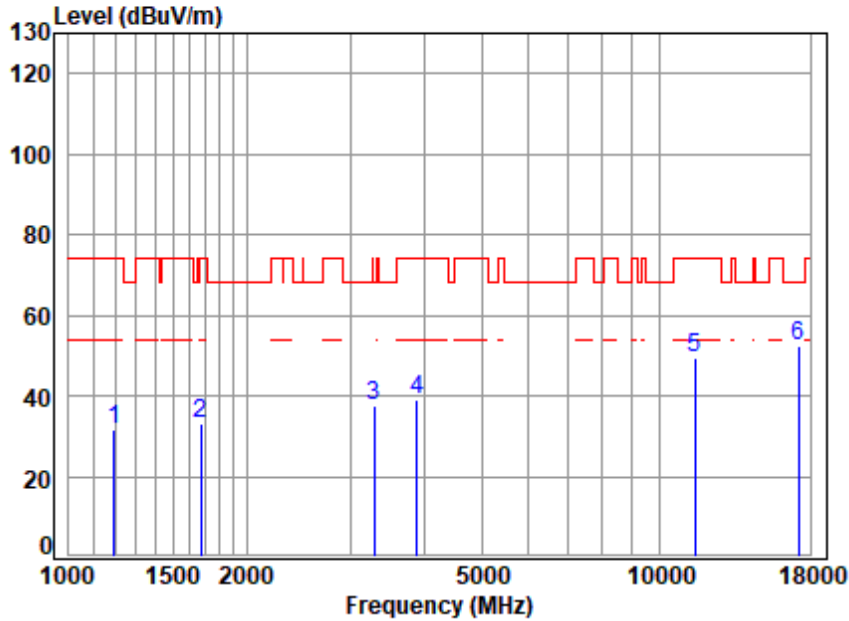
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1256.51	3.28	24.27	52.70	57.04	31.89	68.20	-36.31 peak
2	1601.80	3.99	24.80	52.91	56.87	32.75	74.00	-41.25 peak
3	3289.82	6.48	28.66	53.00	57.62	39.76	68.20	-28.44 peak
4	3567.14	7.06	28.81	52.92	56.55	39.50	68.20	-28.70 peak
5	11490.00	11.60	39.70	53.80	52.27	49.77	74.00	-24.23 peak
6 p	17235.00	14.39	42.87	52.46	47.75	52.55	68.20	-15.65 peak



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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5745 TX RSE  
 Note : 5G WIFI 11AC20

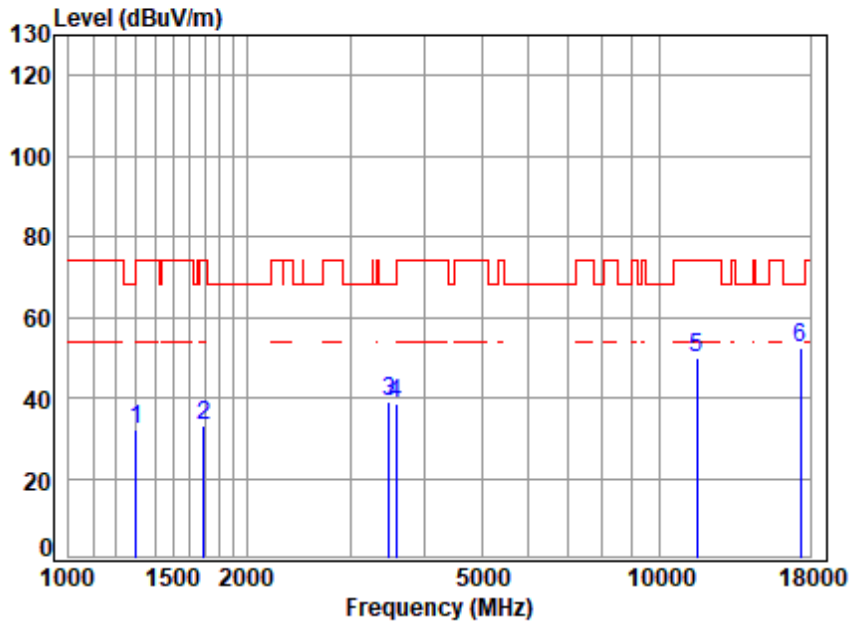
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1192.81	3.13	24.29	52.65	56.71	31.48	74.00	-42.52	peak
2	1672.78	4.14	24.95	52.95	56.80	32.94	74.00	-41.06	peak
3	3289.82	6.48	28.66	53.00	55.46	37.60	68.20	-30.60	peak
4	3890.26	7.39	29.33	52.83	55.31	39.20	74.00	-34.80	peak
5	11490.00	11.60	39.70	53.80	52.13	49.63	74.00	-24.37	peak
6 p	17235.00	14.39	42.87	52.46	47.37	52.17	68.20	-16.03	peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5785 TX RSE  
 Note : 5G WIFI 11AC20

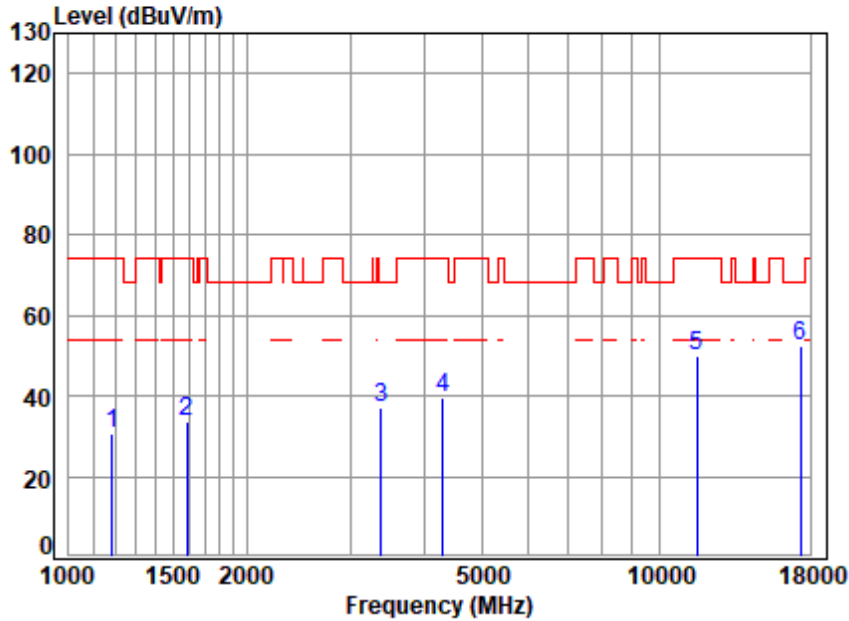
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.86	3.37	24.25	52.73	57.47	32.36	74.00	-41.64 peak
2	1692.23	4.18	24.99	52.96	57.03	33.24	74.00	-40.76 peak
3	3485.60	6.96	28.70	52.94	56.10	38.82	68.20	-29.38 peak
4	3587.82	7.08	28.85	52.91	55.77	38.79	68.20	-29.41 peak
5	11570.00	11.60	39.72	53.83	52.23	49.72	74.00	-24.28 peak
6 p	17355.00	14.44	43.52	52.38	47.02	52.60	68.20	-15.60 peak



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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5785 TX RSE  
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1185.94	3.12	24.29	52.65	56.05	30.81	74.00	-43.19	peak
2	1583.39	3.95	24.75	52.90	58.00	33.80	74.00	-40.20	peak
3	3376.52	6.69	28.68	52.98	54.84	37.23	68.20	-30.97	peak
4	4304.40	7.48	29.94	52.90	55.09	39.61	74.00	-34.39	peak
5	11570.00	11.60	39.72	53.83	52.50	49.99	74.00	-24.01	peak
6 p	17355.00	14.44	43.52	52.38	46.68	52.26	68.20	-15.94	peak

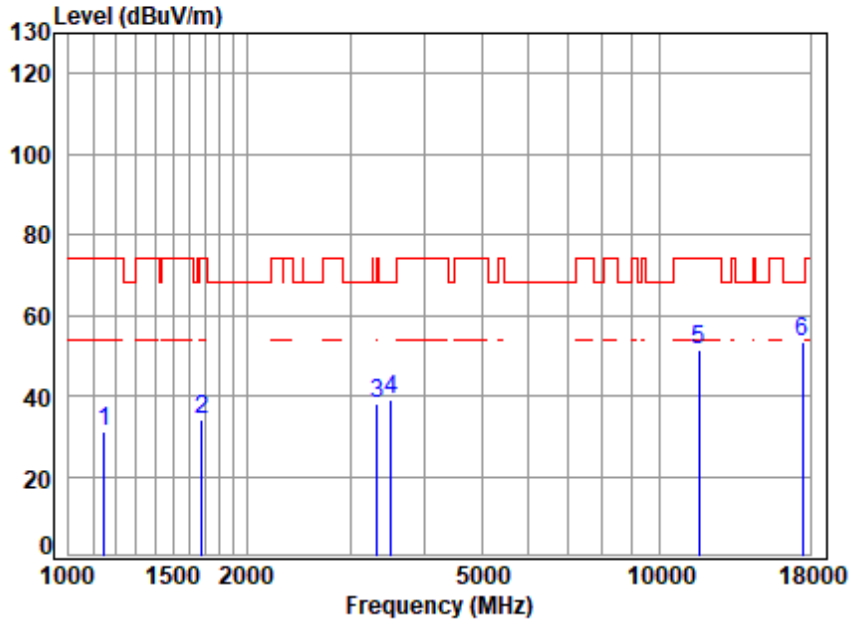


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Test Mode: 12; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5825 TX RSE  
 Note : 5G WIFI 11AC20

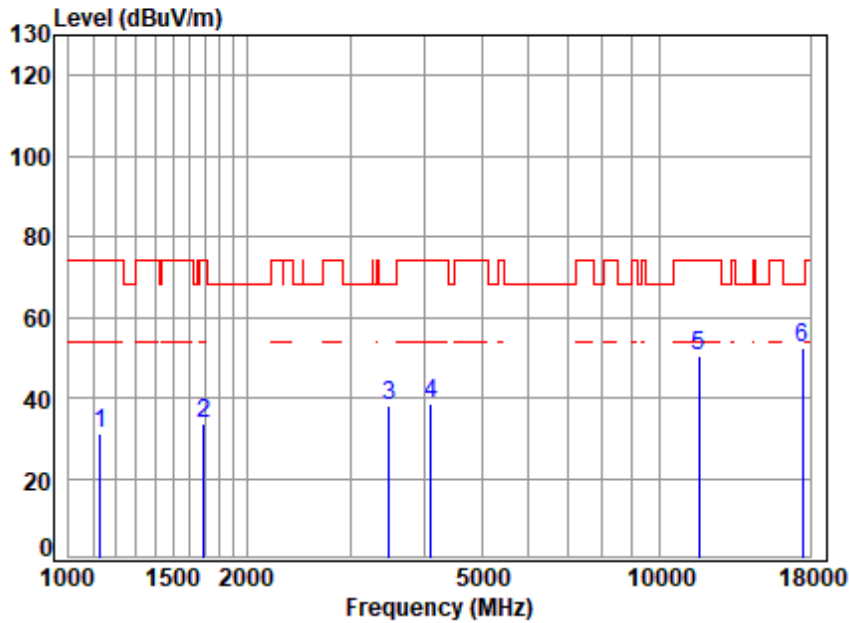
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1148.82	3.03	24.25	52.62	56.26	30.92	74.00	-43.08	peak
2	1682.48	4.16	24.97	52.95	57.73	33.91	74.00	-40.09	peak
3	3328.08	6.58	28.67	52.99	55.80	38.06	68.20	-30.14	peak
4	3515.96	7.01	28.73	52.93	56.13	38.94	68.20	-29.26	peak
5	11650.00	11.60	39.73	53.86	53.78	51.25	74.00	-22.75	peak
6 p	17475.00	14.48	44.16	52.31	47.08	53.41	68.20	-14.79	peak



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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5825 TX RSE  
 Note : 5G WIFI 11AC20

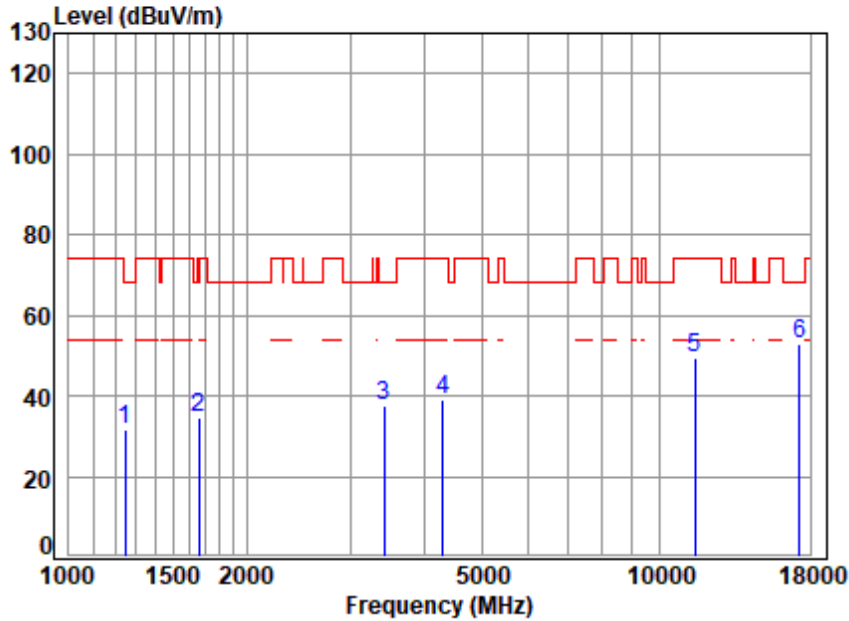
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1132.34	2.99	24.24	52.61	56.42	31.04	74.00	-42.96	peak
2	1692.23	4.18	24.99	52.96	57.50	33.71	74.00	-40.29	peak
3	3485.60	6.96	28.70	52.94	55.42	38.14	68.20	-30.06	peak
4	4109.87	7.49	29.66	52.84	54.36	38.67	74.00	-35.33	peak
5	11650.00	11.60	39.73	53.86	53.03	50.50	74.00	-23.50	peak
6 p	17475.00	14.48	44.16	52.31	45.82	52.15	68.20	-16.05	peak



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Test Mode: 12; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5755 TX RSE  
 Note : 5G WIFI 11AC40

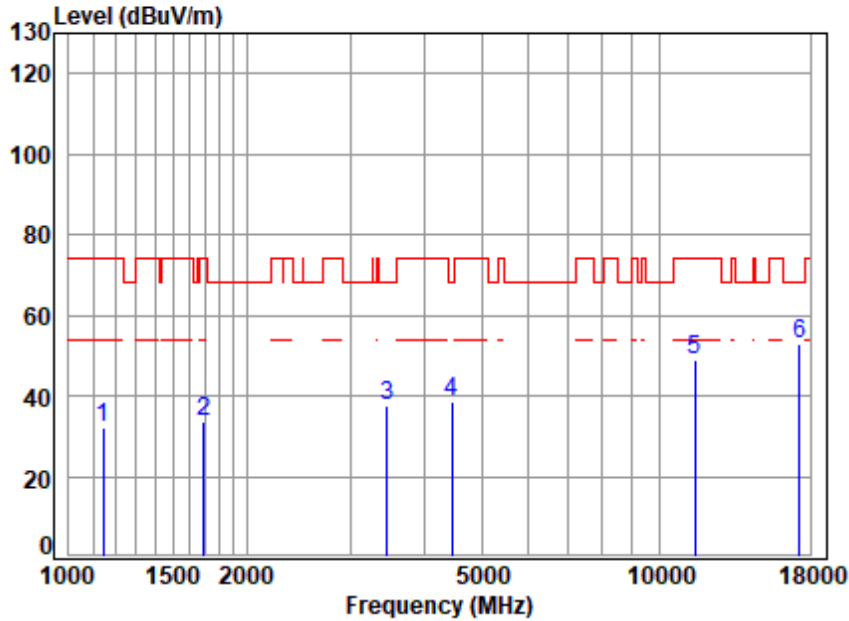
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1245.66	3.25	24.28	52.69	56.64	31.48	68.20	-36.72	peak
2	1658.34	4.11	24.92	52.94	58.42	34.51	68.20	-33.69	peak
3	3425.68	6.81	28.69	52.96	54.81	37.35	68.20	-30.85	peak
4	4304.40	7.48	29.94	52.90	54.47	38.99	74.00	-35.01	peak
5	11510.00	11.60	39.70	53.81	52.17	49.66	74.00	-24.34	peak
6 p	17265.00	14.40	43.03	52.44	47.71	52.70	68.20	-15.50	peak



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Test Mode: 12; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5755 TX RSE  
 Note : 5G WIFI 11AC40

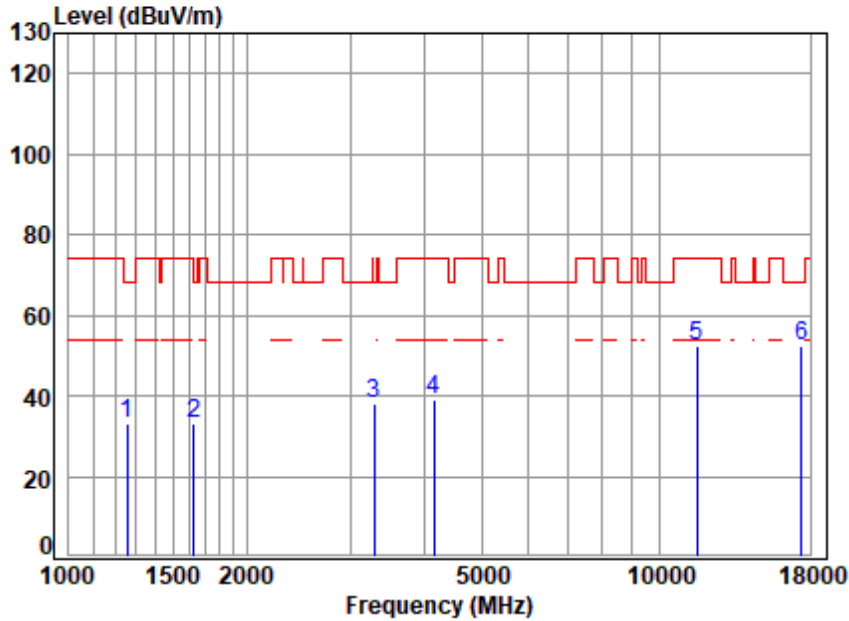
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1145.51	3.02	24.25	52.62	57.67	32.32	74.00	-41.68	peak
2	1692.23	4.18	24.99	52.96	57.19	33.40	74.00	-40.60	peak
3	3455.51	6.88	28.69	52.95	54.84	37.46	68.20	-30.74	peak
4	4456.32	7.47	30.14	52.95	53.97	38.63	68.20	-29.57	peak
5	11510.00	11.60	39.70	53.81	51.23	48.72	74.00	-25.28	peak
6 p	17265.00	14.40	43.03	52.44	48.01	53.00	68.20	-15.20	peak



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Test Mode: 12; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5795 TX RSE  
 Note : 5G WIFI 11AC40

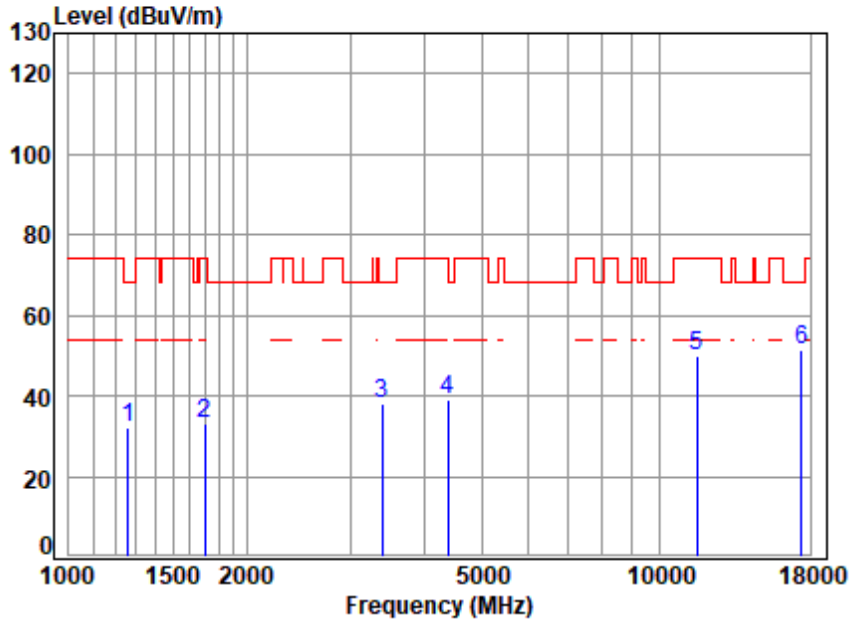
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1256.51	3.28	24.27	52.70	58.14	32.99	68.20	-35.21	peak
2	1629.83	4.05	24.86	52.92	57.24	33.23	68.20	-34.97	peak
3	3289.82	6.48	28.66	53.00	56.03	38.17	68.20	-30.03	peak
4	4145.66	7.48	29.71	52.85	54.55	38.89	74.00	-35.11	peak
5	11590.00	11.60	39.72	53.84	54.76	52.24	74.00	-21.76	peak
6 p	17385.00	14.45	43.68	52.36	46.86	52.63	68.20	-15.57	peak



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Test Mode: 12; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5795 TX RSE  
 Note : 5G WIFI 11AC40

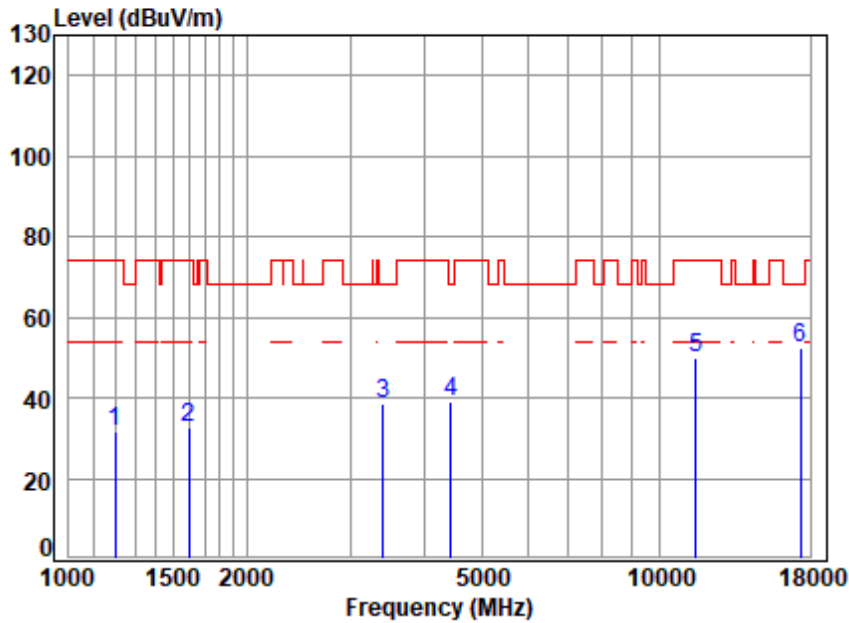
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1260.15	3.28	24.27	52.70	57.45	32.30	68.20	-35.90	peak
2	1697.13	4.19	25.00	52.96	56.69	32.92	74.00	-41.08	peak
3	3396.10	6.74	28.68	52.97	55.62	38.07	68.20	-30.13	peak
4	4379.70	7.47	30.04	52.92	54.46	39.05	74.00	-34.95	peak
5	11590.00	11.60	39.72	53.84	52.25	49.73	74.00	-24.27	peak
6 p	17385.00	14.45	43.68	52.36	45.86	51.63	68.20	-16.57	peak



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Test Mode: 12; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5775 TX RSE  
 Note : 5G WIFI 11AC80

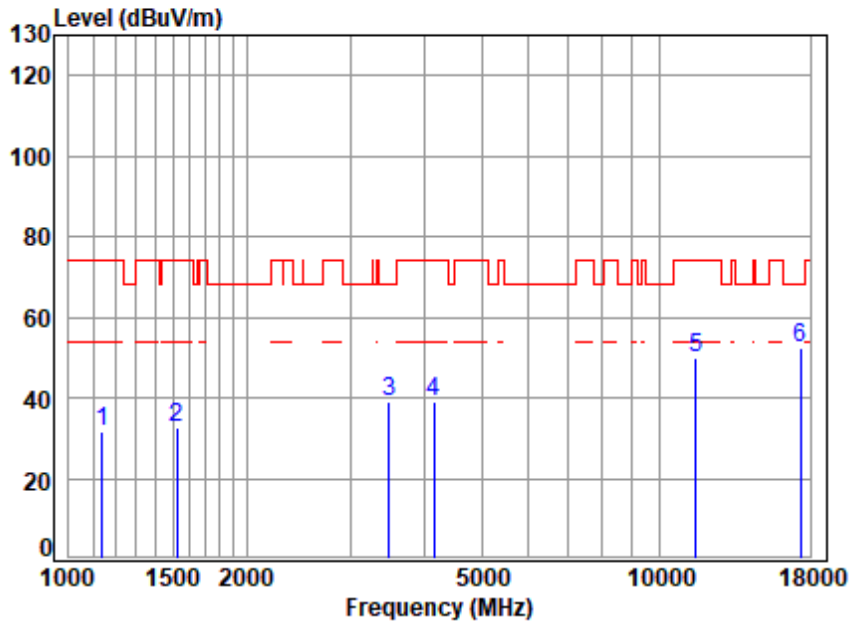
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1199.73	3.15	24.30	52.66	56.96	31.75	74.00	-42.25	peak
2	1597.18	3.98	24.79	52.91	56.80	32.66	74.00	-41.34	peak
3	3405.93	6.77	28.68	52.97	55.88	38.36	68.20	-29.84	peak
4	4443.45	7.47	30.12	52.94	54.31	38.96	68.20	-29.24	peak
5	11550.00	11.60	39.71	53.82	52.66	50.15	74.00	-23.85	peak
6 p	17325.00	14.42	43.36	52.40	46.89	52.27	68.20	-15.93	peak



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Test Mode: 12; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5775 TX RSE  
 Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1138.90	3.00	24.24	52.61	56.95	31.58	74.00	-42.42	peak
2	1525.00	3.83	24.58	52.87	56.94	32.48	74.00	-41.52	peak
3	3485.60	6.96	28.70	52.94	56.20	38.92	68.20	-29.28	peak
4	4145.66	7.48	29.71	52.85	54.58	38.92	74.00	-35.08	peak
5	11550.00	11.60	39.71	53.82	52.59	50.08	74.00	-23.92	peak
6 p	17325.00	14.42	43.36	52.40	47.20	52.58	68.20	-15.62	peak



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**7.9 Radiated Emissions which fall in the restricted bands**

Test Requirement 47 CFR Part 15, Subpart C 15.209 & 15.407(b)  
 Test Method: KDB 789033 D02 II G  
 Measurement Distance: 3m

Limit:

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

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

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

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

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

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

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

**7.9.1 E.U.T. Operation**

Operating Environment:

Temperature: 23.9 °C Humidity: 52.4 % RH Atmospheric Pressure: 1020 mbar



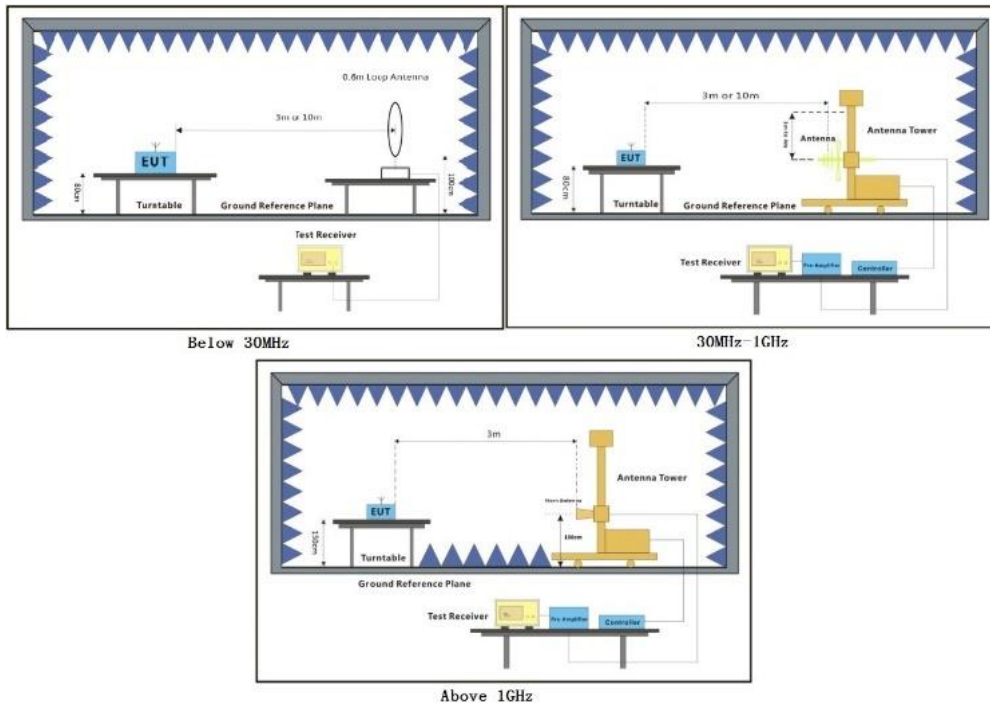
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**7.9.2 Test Mode Description**

Pre-scan / Final test	Mode Code	Description
Final test	09	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	12	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

**7.9.3 Test Setup Diagram**



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**7.9.4 Measurement Procedure and Data**

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

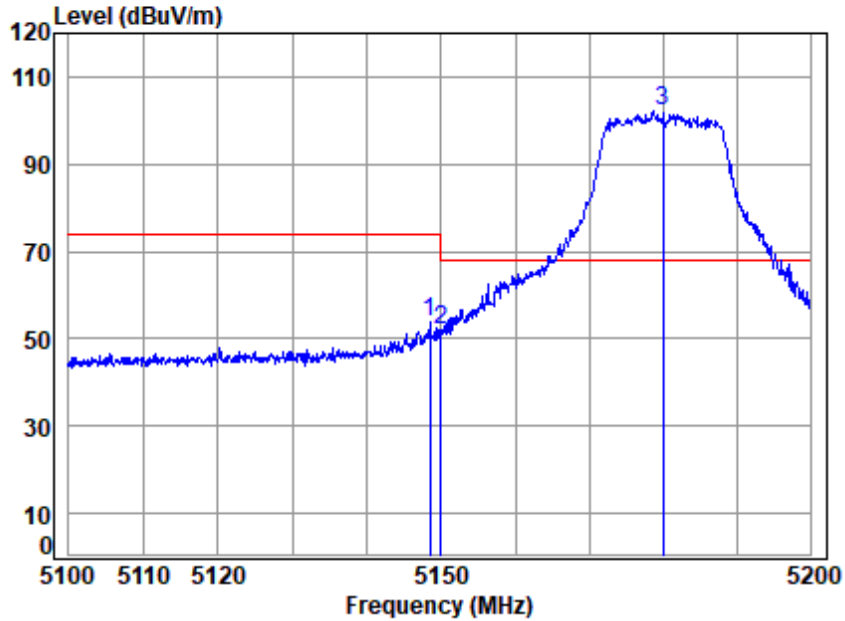
Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor



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Test Mode: 09; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 00134AT/00135AT  
Mode : 5180 Band edge  
Note : 5G WIFI 11A

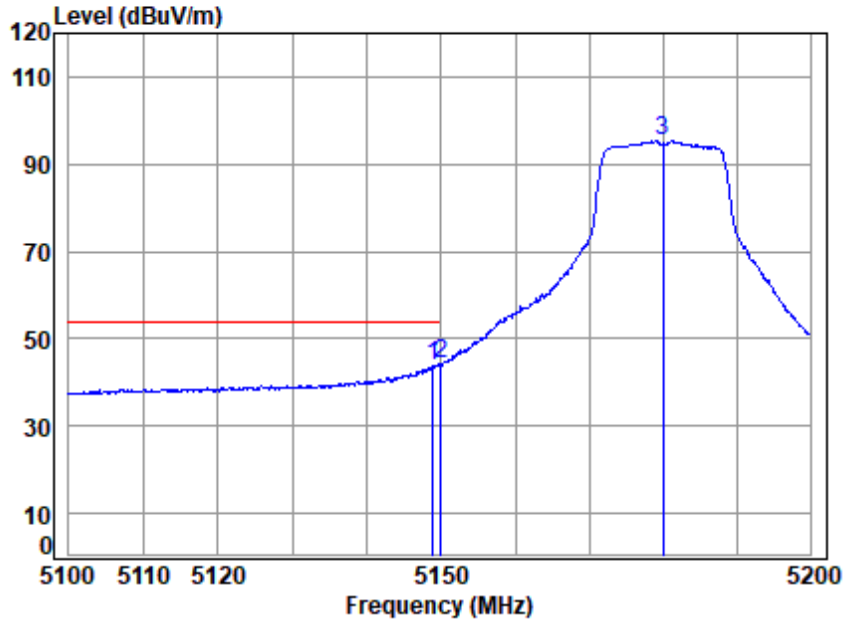
		Cable	Ant	Preamp	Read	Limit	Over		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.46	8.29	31.77	31.81	45.50	53.75	74.00	-20.25	peak
2	5149.98	8.29	31.77	31.82	43.93	52.17	74.00	-21.83	peak
3 p	5180.00	8.29	31.85	31.86	93.95	102.23	68.20	34.03	peak



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Test Mode: 09; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 00134AT/00135AT  
Mode : 5180 Band edge  
Note : 5G WIFI 11A

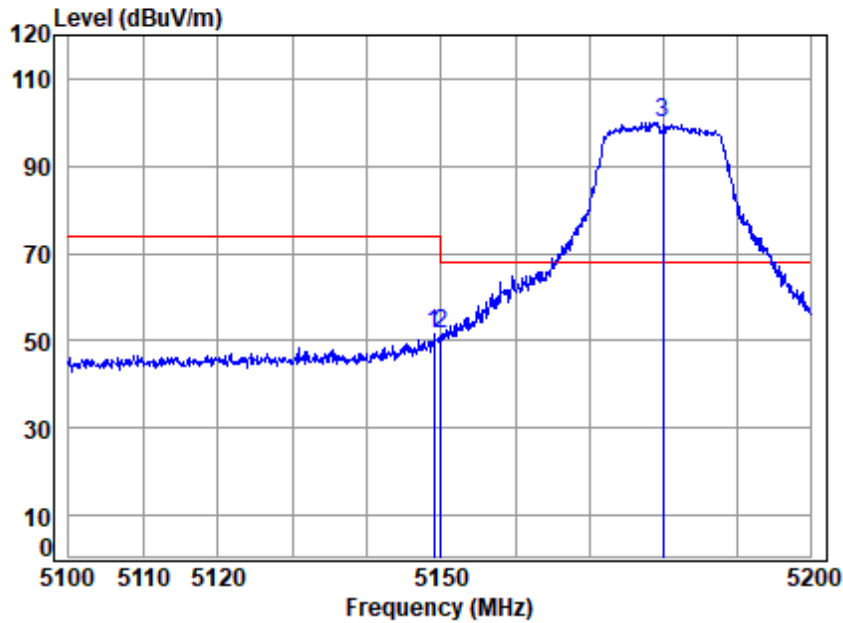
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.86	8.29	31.77	31.82	35.53	43.77	54.00	-10.23 Average
2 p	5149.98	8.29	31.77	31.82	36.19	44.43	54.00	-9.57 Average
3	5180.00	8.29	31.85	31.86	86.99	95.27	-----	----- Average



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Test Mode: 09; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5180 Band edge  
 Note : 5G WIFI 11A

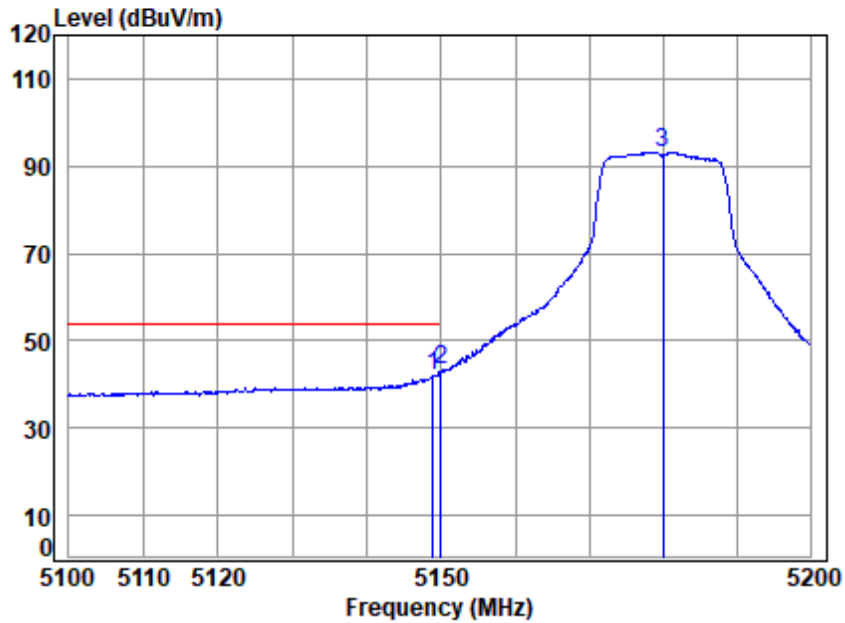
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.06	8.29	31.77	31.82	43.27	51.51	74.00	-22.49 Peak
2	5149.98	8.29	31.77	31.82	43.44	51.68	74.00	-22.32 Peak
3 p	5180.00	8.29	31.85	31.86	91.80	100.08	68.20	31.88 Peak



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Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5180 Band edge  
 Note : 5G WIFI 11A

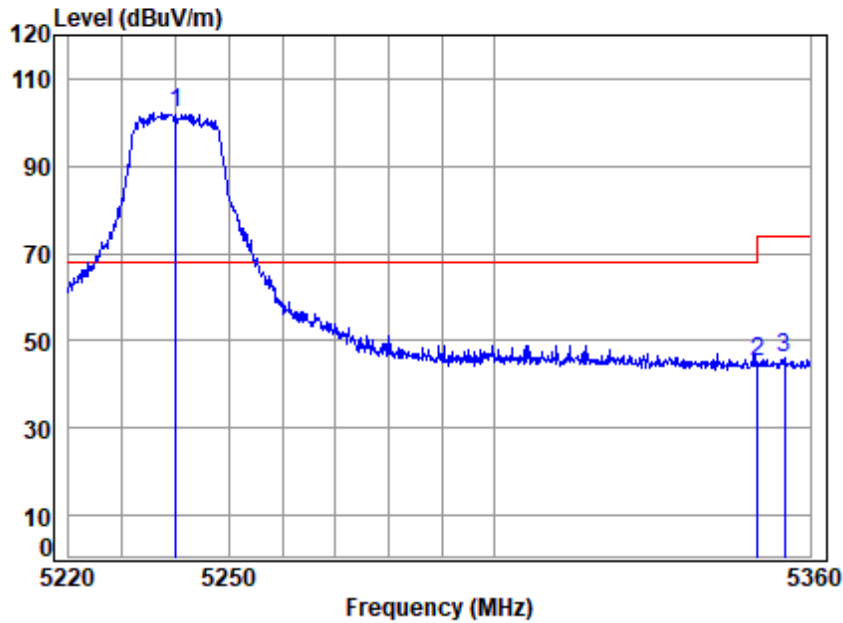
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5148.86	8.29	31.77	31.82	33.92	54.00	-11.84	Average
2 p	5149.98	8.29	31.77	31.82	35.04	54.00	-10.72	Average
3	5180.00	8.29	31.85	31.86	85.00	-----	-----	Average



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Test Mode: 09; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5240 Band edge  
 Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1 p	5240.00	8.29	31.99	31.94	93.74	102.08	68.20	33.88 peak
2	5350.02	8.28	32.25	32.10	36.82	45.25	74.00	-28.75 peak
3	5355.04	8.28	32.26	32.10	37.42	45.86	74.00	-28.14 peak

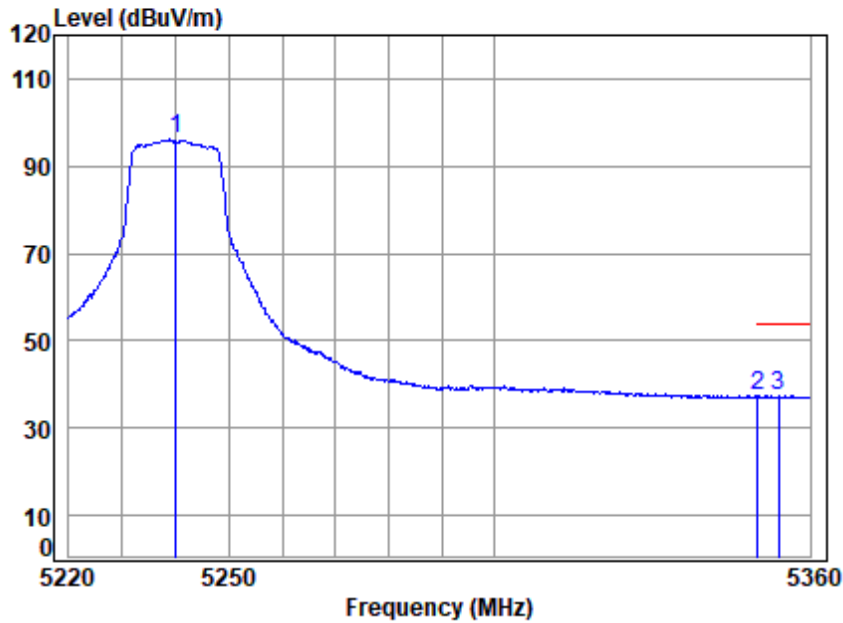


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Test Mode: 09; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5240 Band edge  
 Note : 5G WIFI 11A

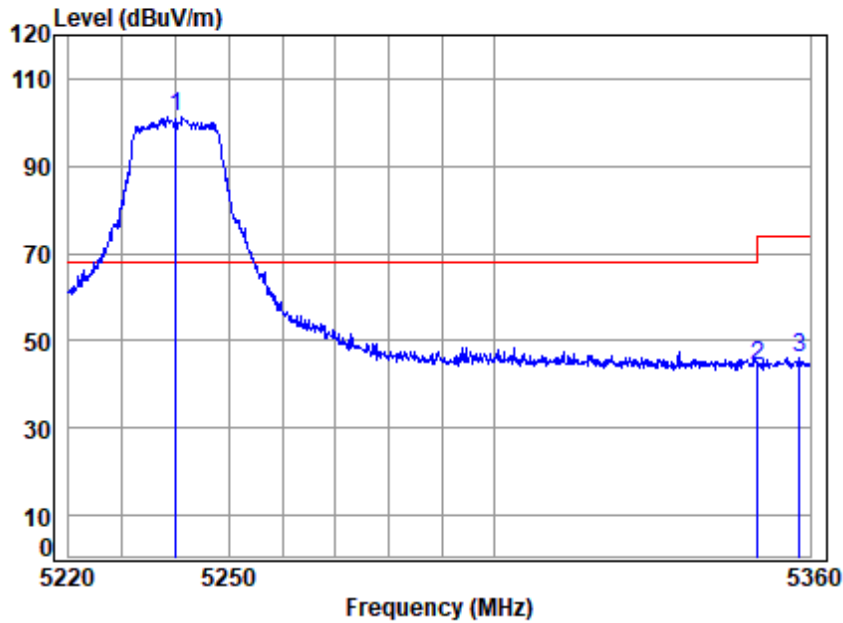
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.00	8.29	31.99	31.94	87.81	96.15	-----	Average
2	5350.02	8.28	32.25	32.10	28.91	37.34	54.00	-16.66 Average
3 p	5354.05	8.28	32.26	32.10	29.02	37.46	54.00	-16.54 Average



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Test Mode: 09; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5240 Band edge  
 Note : 5G WIFI 11A

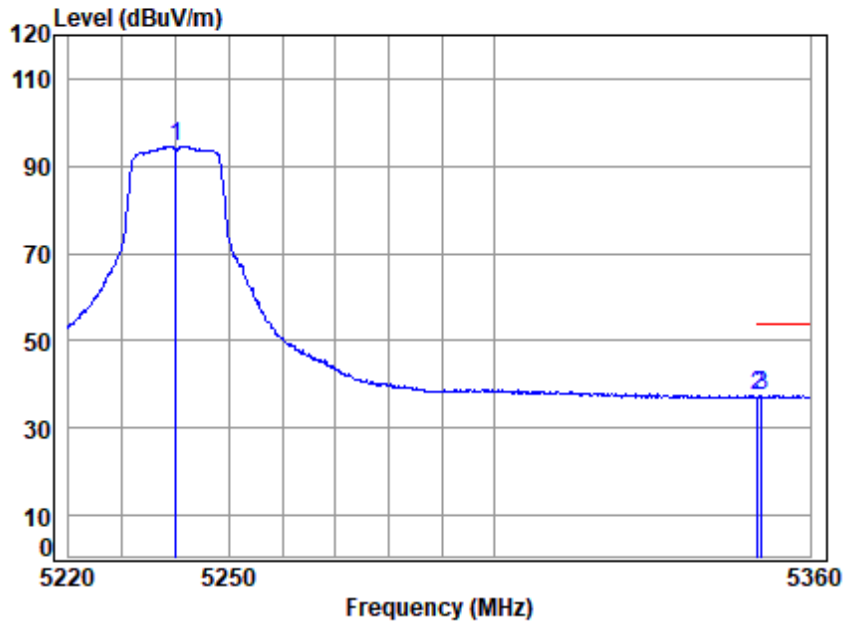
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p	5240.00	8.29	31.99	31.94	92.95	101.29	68.20	33.09 Peak
2	5350.02	8.28	32.25	32.10	36.05	44.48	74.00	-29.52 Peak
3	5358.01	8.28	32.27	32.11	37.64	46.08	74.00	-27.92 Peak



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Test Mode: 09; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5240 Band edge  
 Note : 5G WIFI 11A

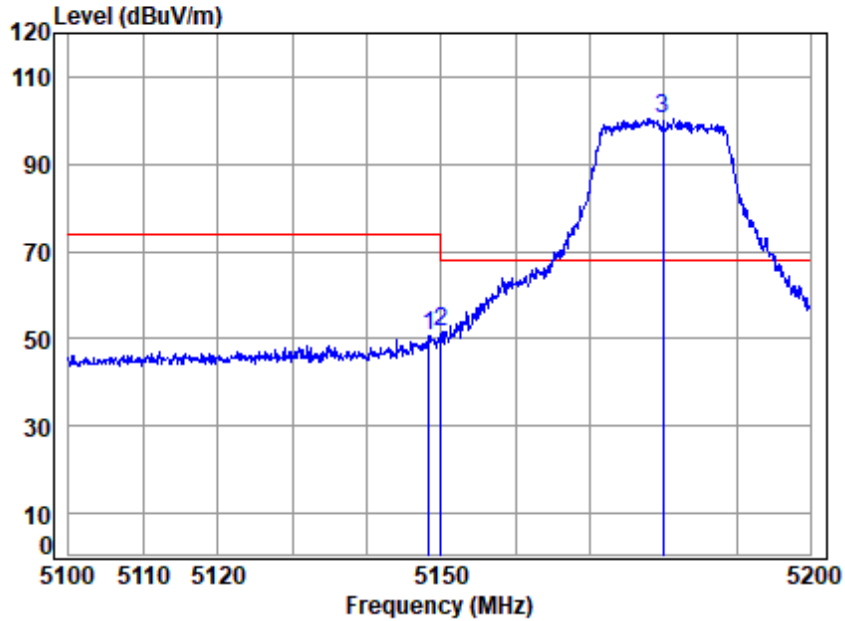
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.00	8.29	31.99	31.94	86.23	94.57	-----	Average
2	5350.02	8.28	32.25	32.10	28.77	37.20	54.00	-16.80 Average
3 p	5350.79	8.28	32.25	32.10	29.07	37.50	54.00	-16.50 Average



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Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5180 Band edge  
 Note : 5G WIFI 11N20

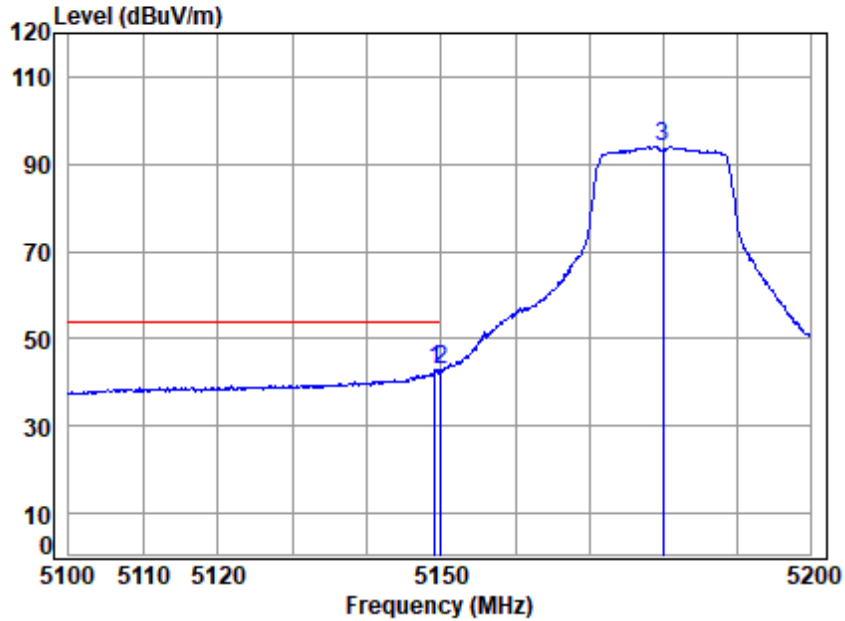
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.36	8.29	31.77	31.81	42.61	50.86	74.00	-23.14 peak
2	5149.98	8.29	31.77	31.82	43.09	51.33	74.00	-22.67 peak
3 p	5180.00	8.29	31.85	31.86	92.22	100.50	68.20	32.30 peak



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Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5180 Band edge  
 Note : 5G WIFI 11N20

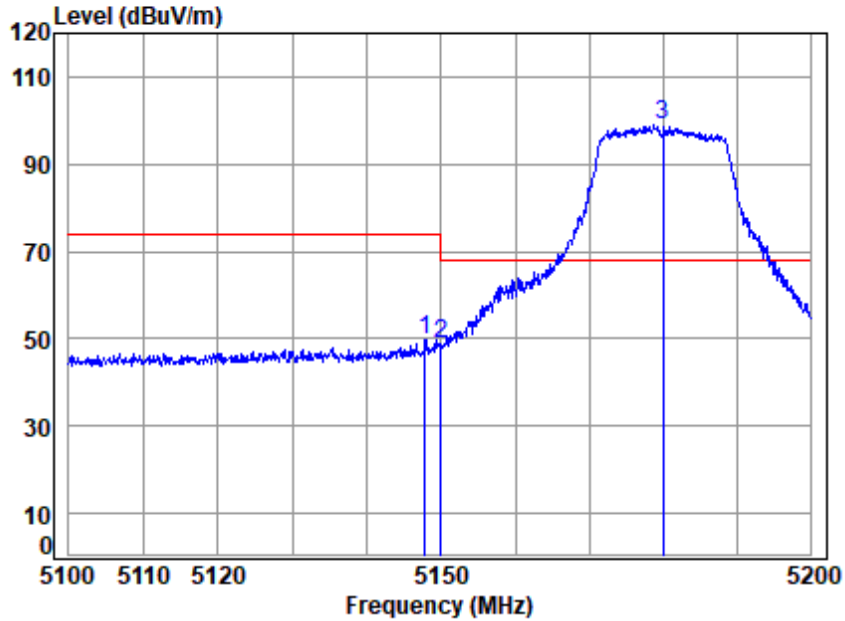
		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	p 5149.16	8.29	31.77	31.82	34.75	42.99	54.00	-11.01 Average
2	5149.98	8.29	31.77	31.82	34.74	42.98	54.00	-11.02 Average
3	5180.00	8.29	31.85	31.86	85.84	94.12	-----	----- Average



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Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber  
Condition: 3m VERTICAL  
Job No : 00134AT/00135AT  
Mode : 5180 Band edge  
Note : 5G WIFI 11N20

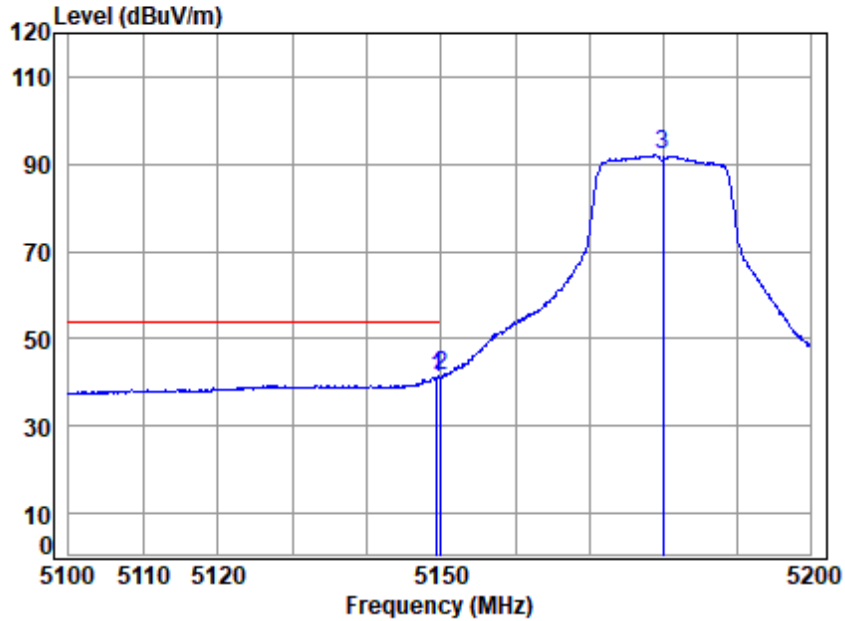
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5147.76	8.29	31.77	31.81	41.39	49.64	74.00	-24.36 Peak
2	5149.98	8.29	31.77	31.82	40.81	49.05	74.00	-24.95 Peak
3 p	5180.00	8.29	31.85	31.86	90.63	98.91	68.20	30.71 Peak



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Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5180 Band edge  
 Note : 5G WIFI 11N20

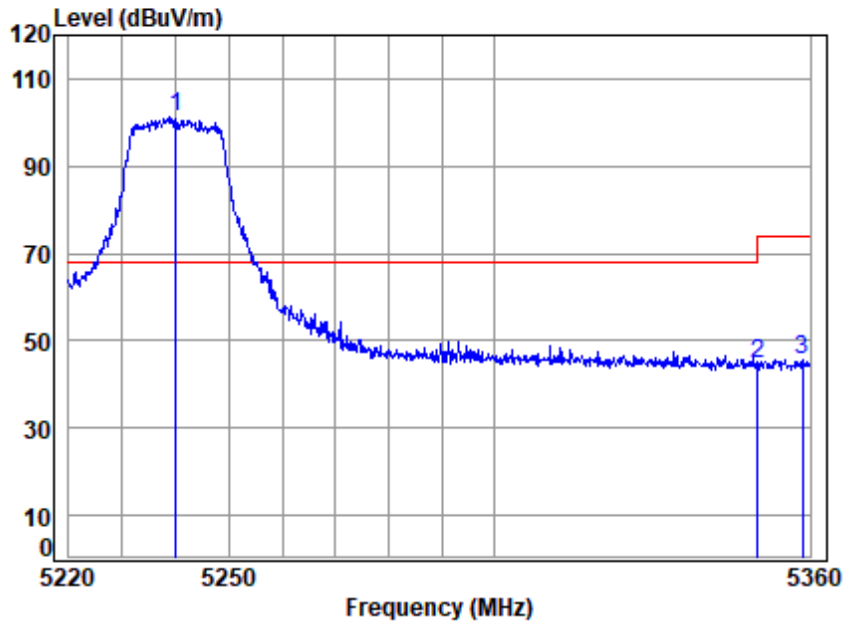
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5149.46	8.29	31.77	31.82	33.01	54.00	-12.75	Average
2 p	5149.98	8.29	31.77	31.82	33.29	54.00	-12.47	Average
3	5180.00	8.29	31.85	31.86	83.83	-----	-----	Average



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Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5240 Band edge  
 Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p	5240.00	8.29	31.99	31.94	93.01	101.35	68.20	33.15 peak
2	5350.02	8.28	32.25	32.10	36.48	44.91	74.00	-29.09 peak
3	5358.58	8.28	32.27	32.11	37.24	45.68	74.00	-28.32 peak

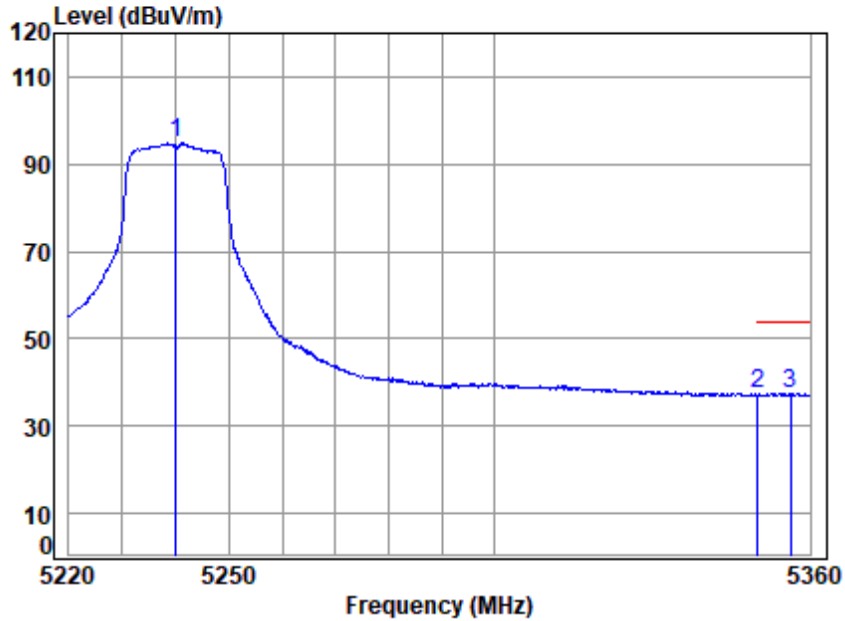


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Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5240 Band edge  
 Note : 5G WIFI 11N20

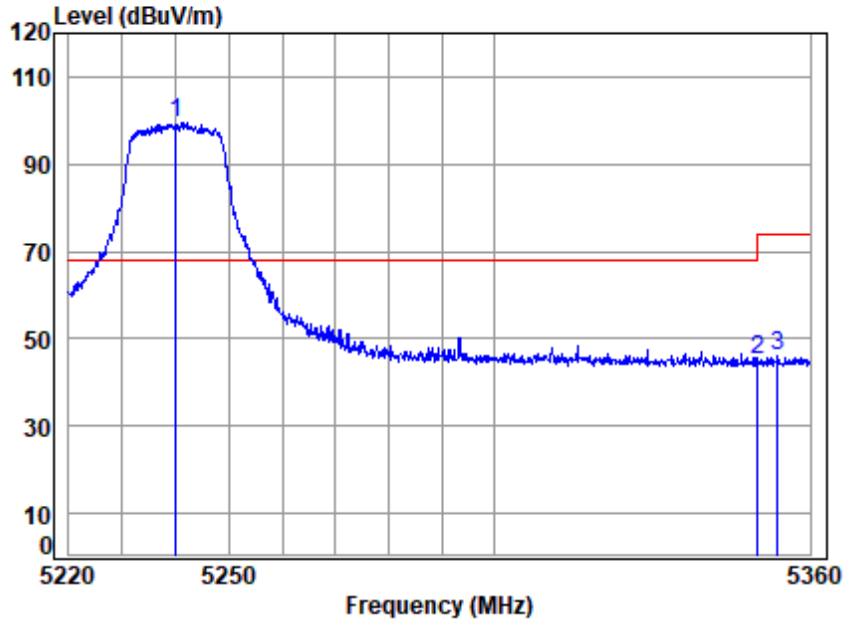
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5240.00	8.29	31.99	31.94	86.47	94.81	-----	-----	Average
2	5350.02	8.28	32.25	32.10	28.76	37.19	54.00	-16.81	Average
3 p	5356.17	8.28	32.27	32.11	29.18	37.62	54.00	-16.38	Average



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Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5240 Band edge  
 Note : 5G WIFI 11N20

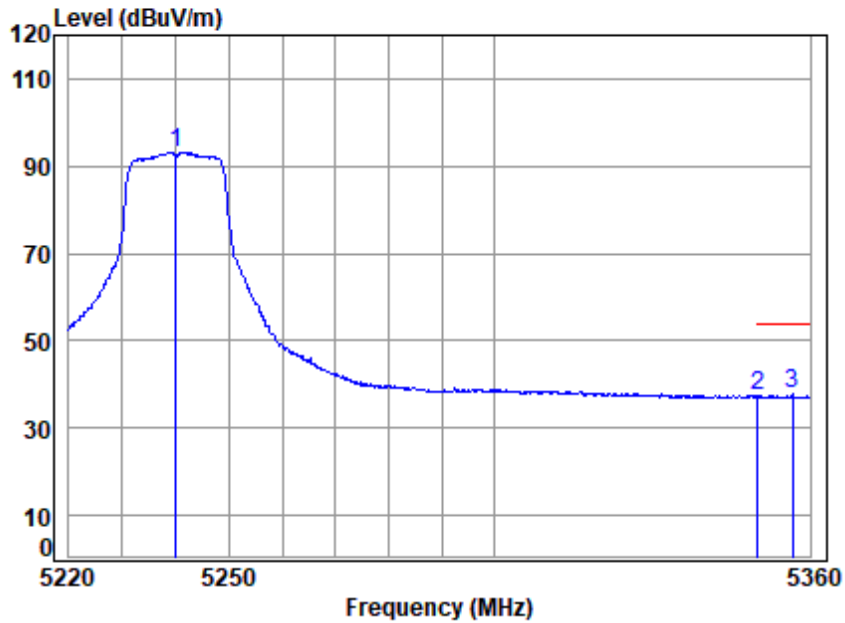
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p	5240.00	8.29	31.99	31.94	91.34	99.68	68.20	31.48 Peak
2	5350.02	8.28	32.25	32.10	36.93	45.36	74.00	-28.64 Peak
3	5353.76	8.28	32.26	32.10	37.48	45.92	74.00	-28.08 Peak



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Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5240 Band edge  
 Note : 5G WIFI 11N20

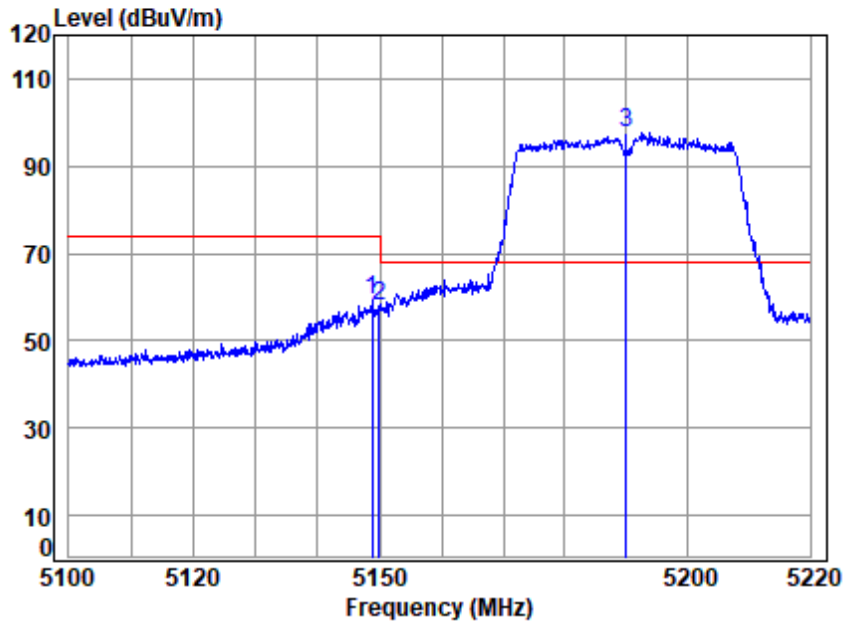
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.00	8.29	31.99	31.94	84.88	93.22	-----	Average
2	5350.02	8.28	32.25	32.10	28.79	37.22	54.00	-16.78 Average
3 p	5356.60	8.28	32.27	32.11	29.28	37.72	54.00	-16.28 Average



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Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5190 Band edge  
 Note : 5G WIFI 11N40

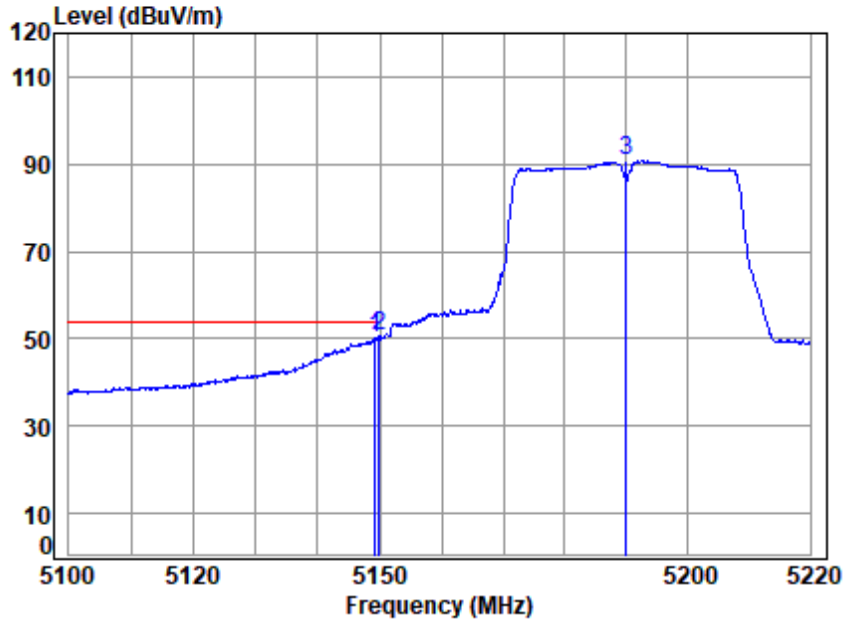
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.74	8.29	31.77	31.82	50.96	59.20	74.00	-14.80	peak
2	5149.98	8.29	31.77	31.82	49.56	57.80	74.00	-16.20	peak
3 p	5190.00	8.29	31.87	31.87	89.15	97.44	68.20	29.24	peak



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Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 00134AT/00135AT  
Mode : 5190 Band edge  
Note : 5G WIFI 11N40

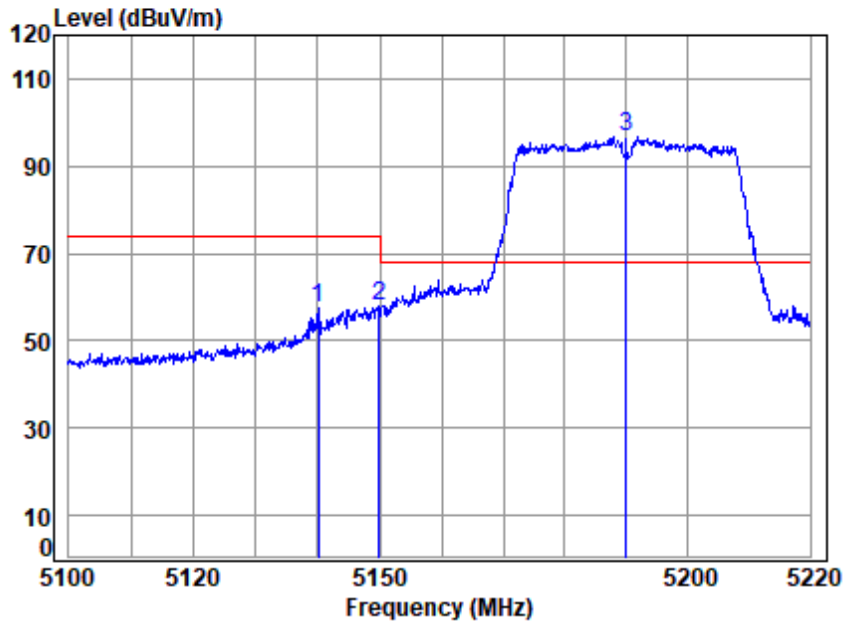
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.34	8.29	31.77	31.82	41.89	50.13	54.00	-3.87	Average
2 p	5149.98	8.29	31.77	31.82	42.30	50.54	54.00	-3.46	Average
3	5190.00	8.29	31.87	31.87	82.52	90.81	-----	-----	Average



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Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5190 Band edge  
 Note : 5G WIFI 11N40

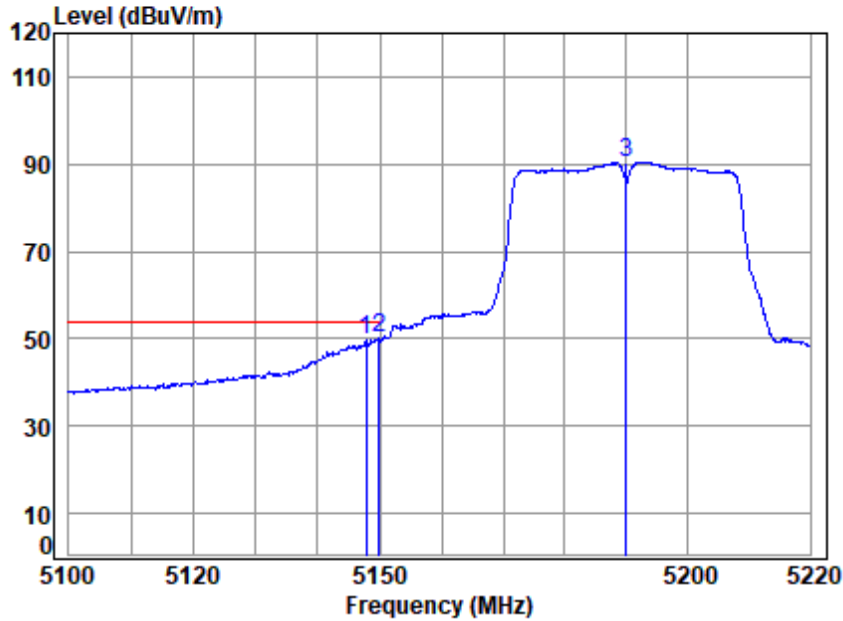
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5140.13	8.29	31.75	31.80	49.33	57.57	74.00	-16.43 Peak
2	5149.98	8.29	31.77	31.82	49.84	58.08	74.00	-15.92 Peak
3 p	5190.00	8.29	31.87	31.87	88.65	96.94	68.20	28.74 Peak



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Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5190 Band edge  
 Note : 5G WIFI 11N40

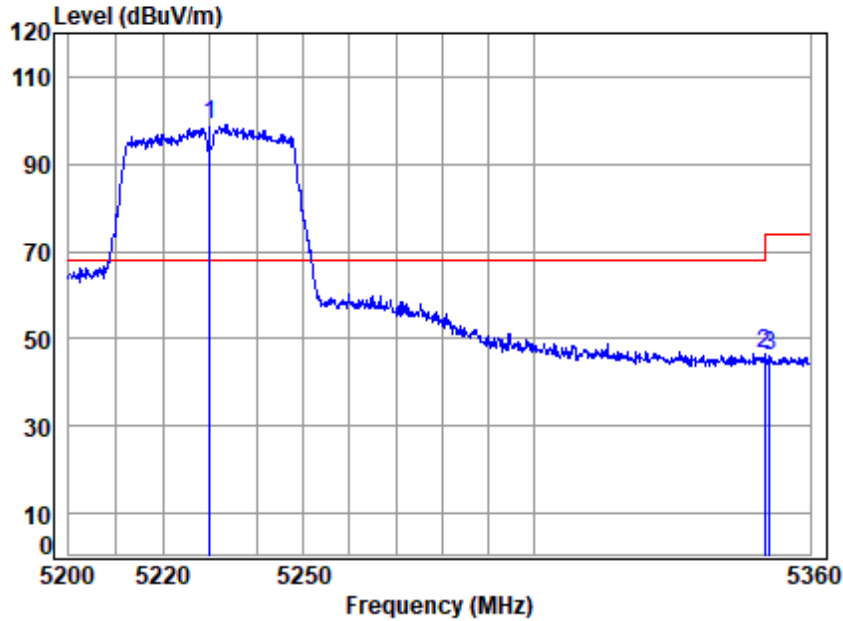
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5147.79	8.29	31.77	31.81	41.53	49.78	54.00	-4.22 Average
2 p	5149.98	8.29	31.77	31.82	41.77	50.01	54.00	-3.99 Average
3	5190.00	8.29	31.87	31.87	82.23	90.52	-----	----- Average



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Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5230 Band edge  
 Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p	5230.00	8.29	31.97	31.93	90.84	99.17	68.20	30.97 peak
2	5350.02	8.28	32.25	32.10	37.98	46.41	74.00	-27.59 peak
3	5351.07	8.28	32.25	32.10	37.63	46.06	74.00	-27.94 peak

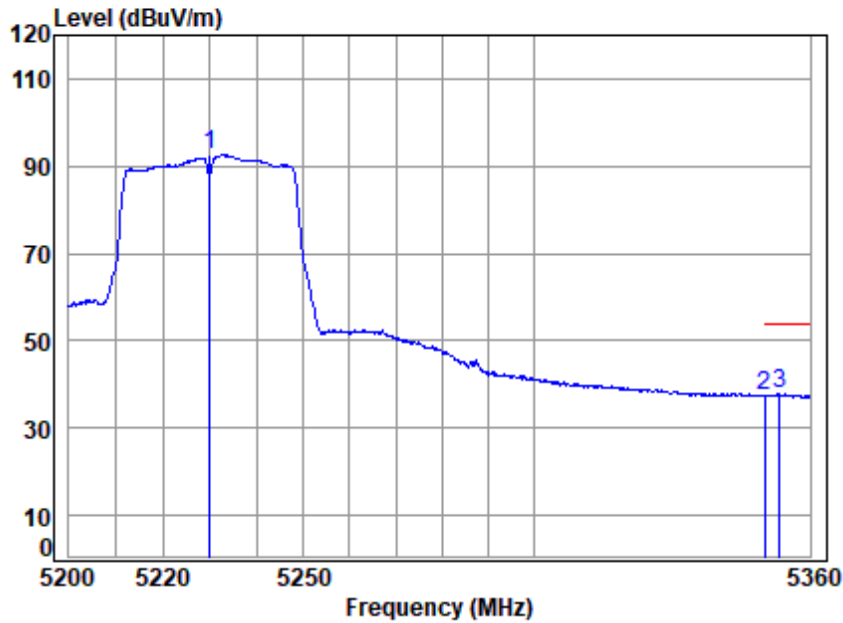


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Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 00134AT/00135AT  
Mode : 5230 Band edge  
Note : 5G WIFI 11N40

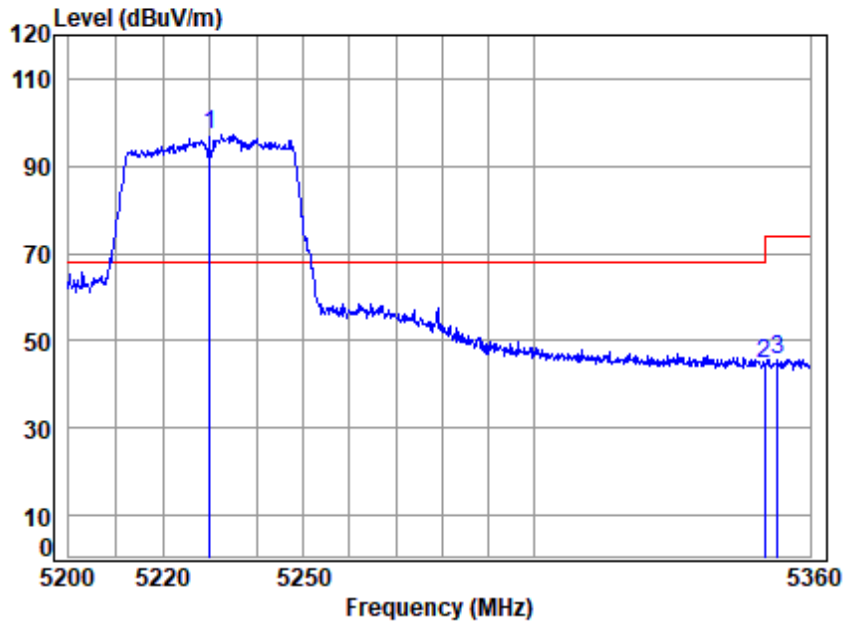
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5230.00	8.29	31.97	31.93	84.32	92.65	-----	-----	Average
2	5350.02	8.28	32.25	32.10	29.20	37.63	54.00	-16.37	Average
3 p	5353.34	8.28	32.26	32.10	29.45	37.89	54.00	-16.11	Average



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Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5230 Band edge  
 Note : 5G WIFI 11N40

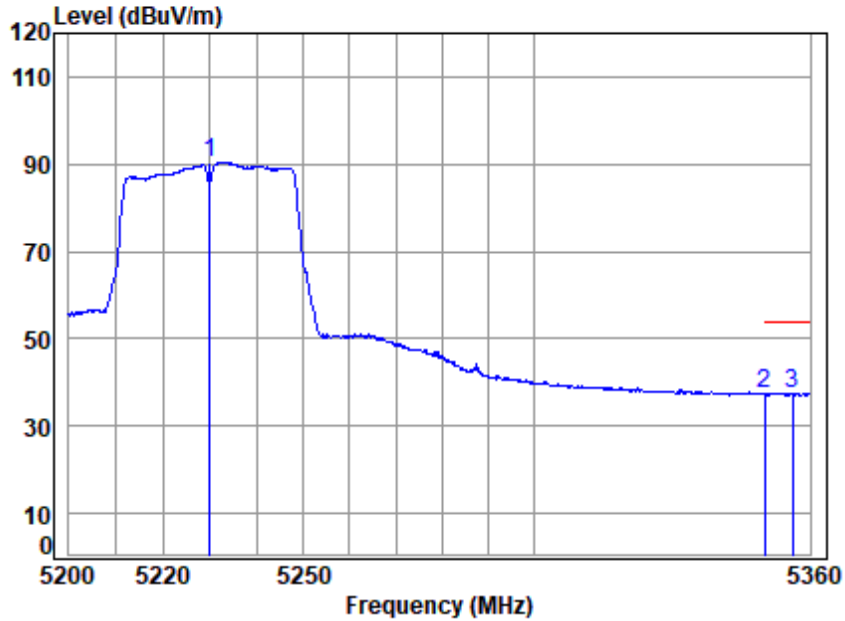
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p	5230.00	8.29	31.97	31.93	88.74	97.07	68.20	28.87 Peak
2	5350.02	8.28	32.25	32.10	36.33	44.76	74.00	-29.24 Peak
3	5352.86	8.28	32.26	32.10	37.31	45.75	74.00	-28.25 Peak



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Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5230 Band edge  
 Note : 5G WIFI 11N40

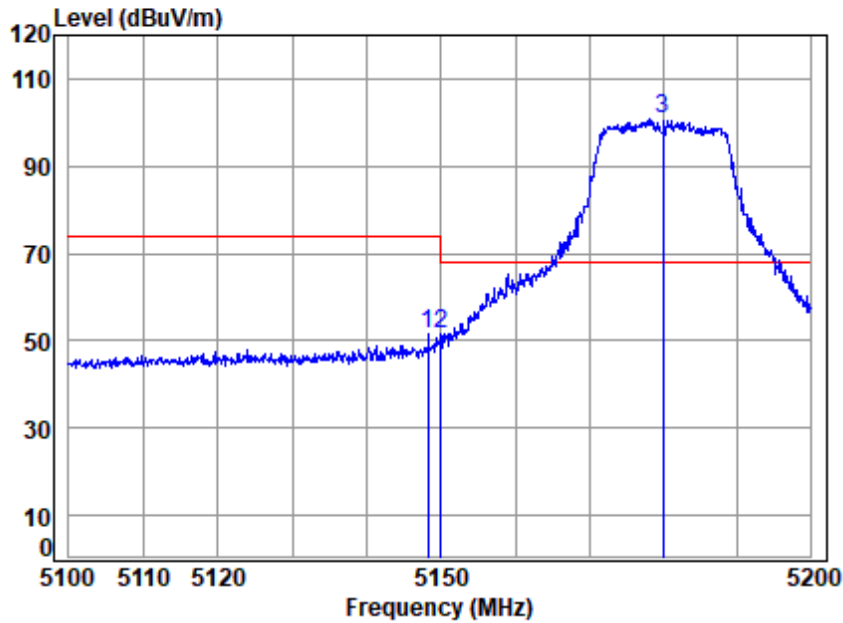
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5230.00	8.29	31.97	31.93	82.13	90.46	-----	-----	Average
2	5350.02	8.28	32.25	32.10	29.03	37.46	54.00	-16.54	Average
3 p	5356.27	8.28	32.27	32.11	29.11	37.55	54.00	-16.45	Average



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Test Mode: 09; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5180 Band edge  
 Note : 5G WIFI 11AC20

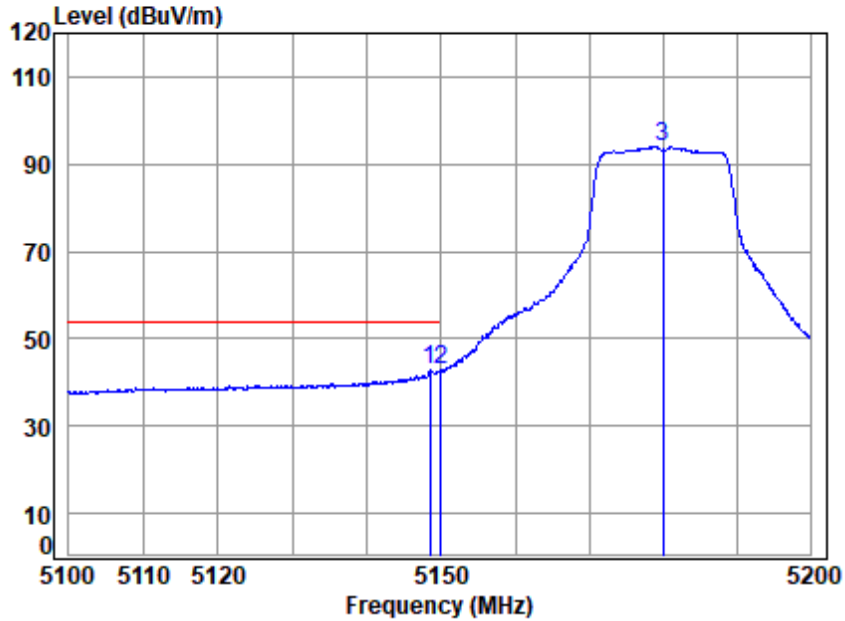
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.26	8.29	31.77	31.81	43.10	51.35	74.00	-22.65	peak
2	5149.98	8.29	31.77	31.82	43.42	51.66	74.00	-22.34	peak
3 p	5180.00	8.29	31.85	31.86	92.61	100.89	68.20	32.69	peak



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Test Mode: 09; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5180 Band edge  
 Note : 5G WIFI 11AC20

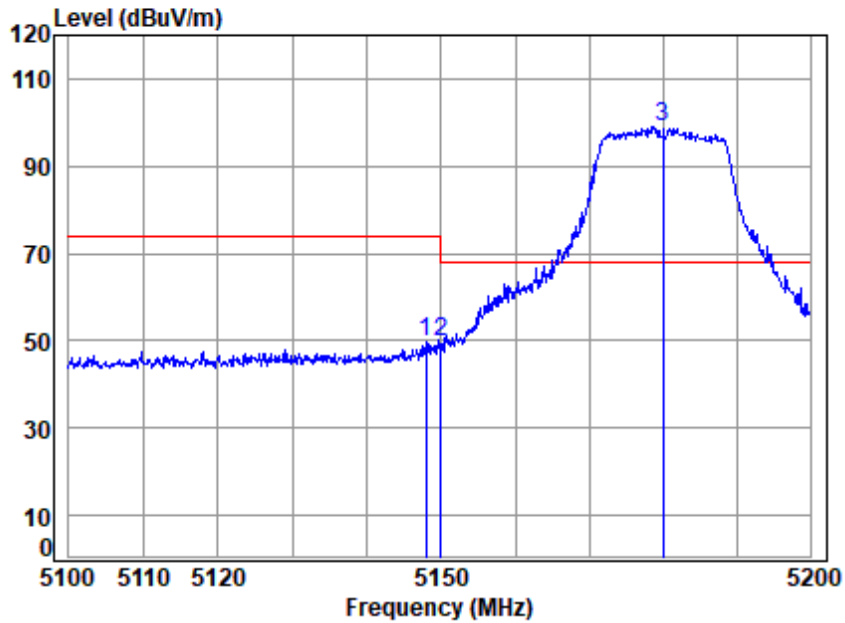
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5148.46	8.29	31.77	31.81	34.48	54.00	-11.27	Average
2 p	5149.98	8.29	31.77	31.82	34.71	54.00	-11.05	Average
3	5180.00	8.29	31.85	31.86	85.72	-----	-----	Average



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Test Mode: 09; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5180 Band edge  
 Note : 5G WIFI 11AC20

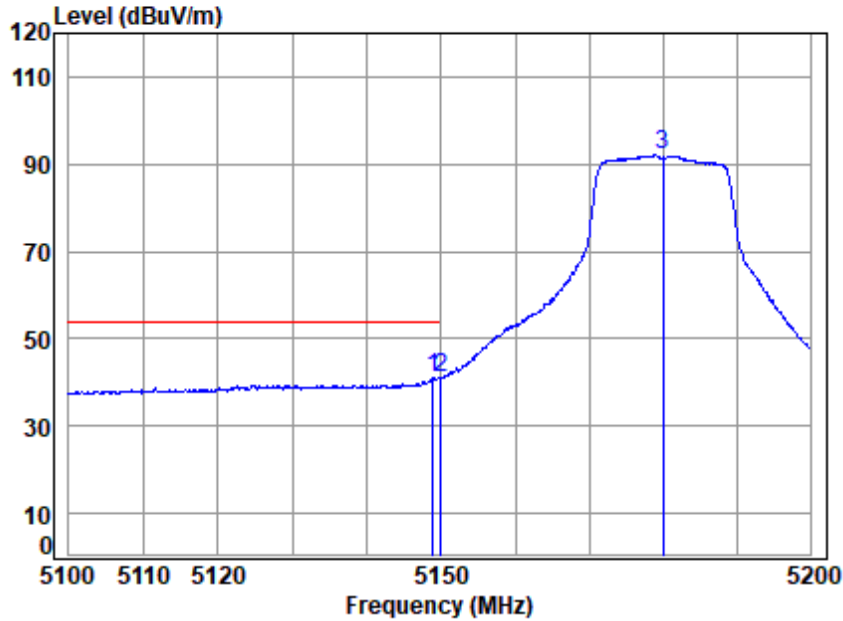
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5147.96	8.29	31.77	31.81	41.44	49.69	74.00	-24.31	Peak
2	5149.98	8.29	31.77	31.82	41.28	49.52	74.00	-24.48	Peak
3 p	5180.00	8.29	31.85	31.86	90.68	98.96	68.20	30.76	Peak



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Test Mode: 09; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5180 Band edge  
 Note : 5G WIFI 11AC20

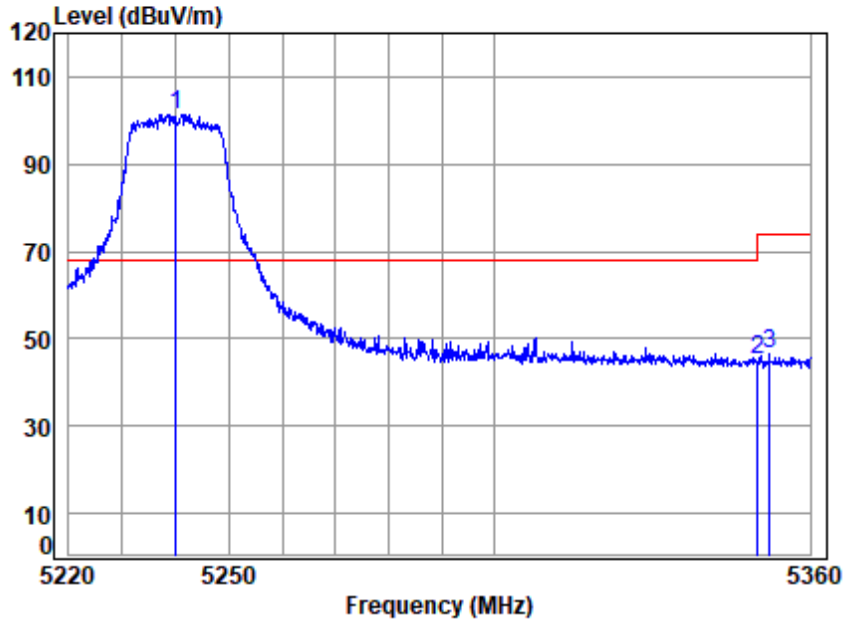
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.86	8.29	31.77	31.82	32.85	41.09	54.00	-12.91	Average
2 p	5149.98	8.29	31.77	31.82	32.94	41.18	54.00	-12.82	Average
3	5180.00	8.29	31.85	31.86	83.73	92.01	-----	-----	Average



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Test Mode: 09; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 00134AT/00135AT  
Mode : 5240 Band edge  
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1 p	5240.00	8.29	31.99	31.94	93.06	68.20	33.20	peak
2	5350.02	8.28	32.25	32.10	36.91	74.00	-28.66	peak
3	5352.20	8.28	32.26	32.10	38.07	74.00	-27.49	peak

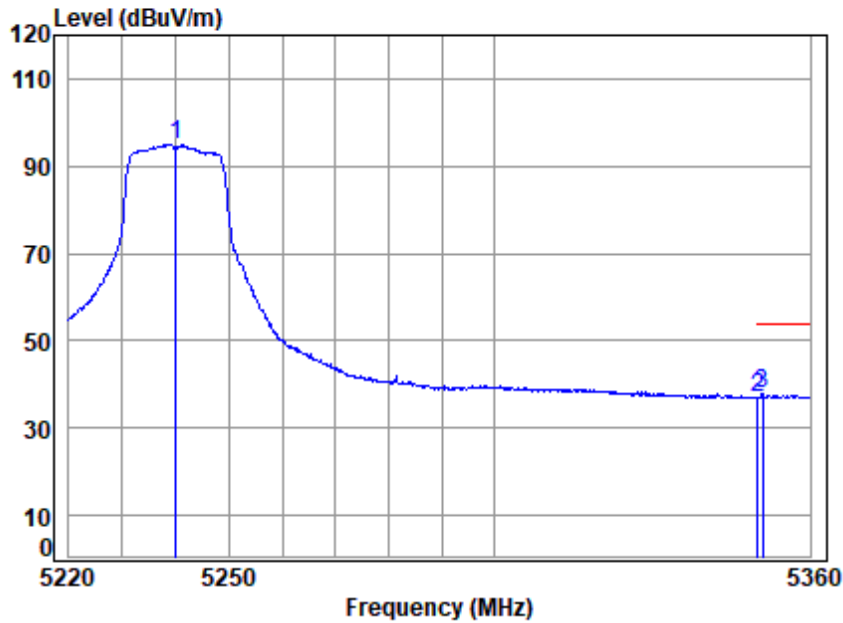


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Test Mode: 09; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5240 Band edge  
 Note : 5G WIFI 11AC20

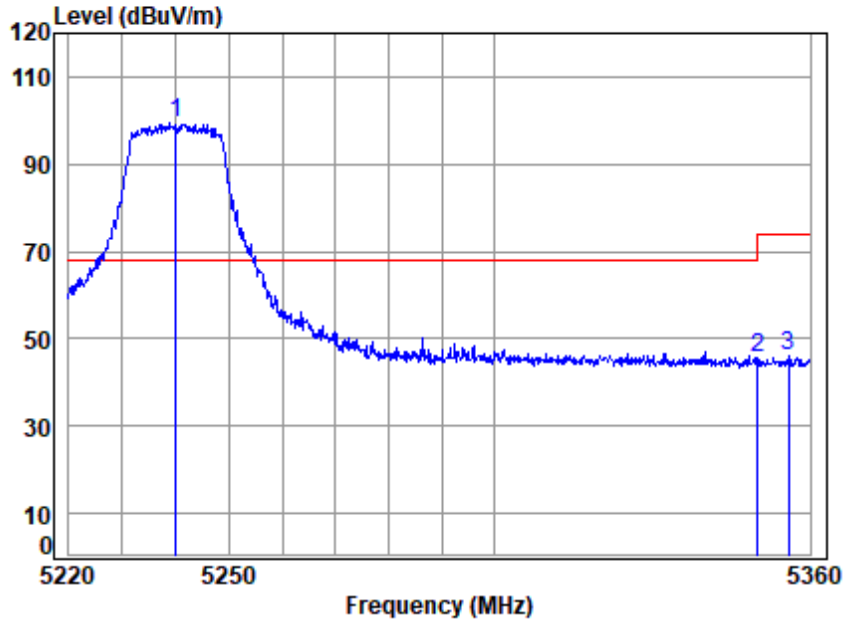
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5240.00	8.29	31.99	31.94	86.76	95.10	-----	-----	Average
2	5350.02	8.28	32.25	32.10	28.70	37.13	54.00	-16.87	Average
3 p	5350.93	8.28	32.25	32.10	29.51	37.94	54.00	-16.06	Average



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Test Mode: 09; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5240 Band edge  
 Note : 5G WIFI 11AC20

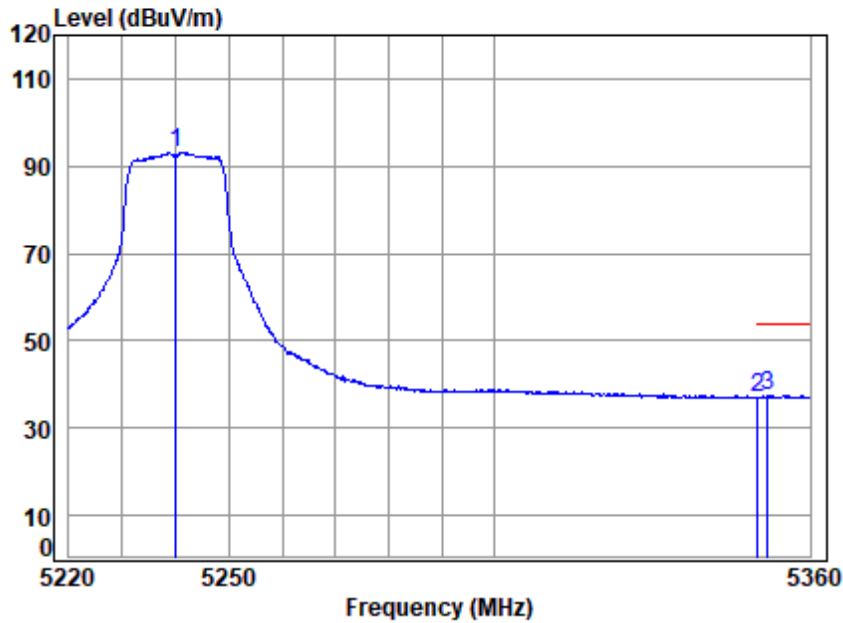
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1 p	5240.00	8.29	31.99	31.94	91.14	68.20	31.28	Peak
2	5350.02	8.28	32.25	32.10	36.99	74.00	-28.58	Peak
3	5355.89	8.28	32.27	32.10	37.75	74.00	-27.80	Peak



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Test Mode: 09; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5240 Band edge  
 Note : 5G WIFI 11AC20

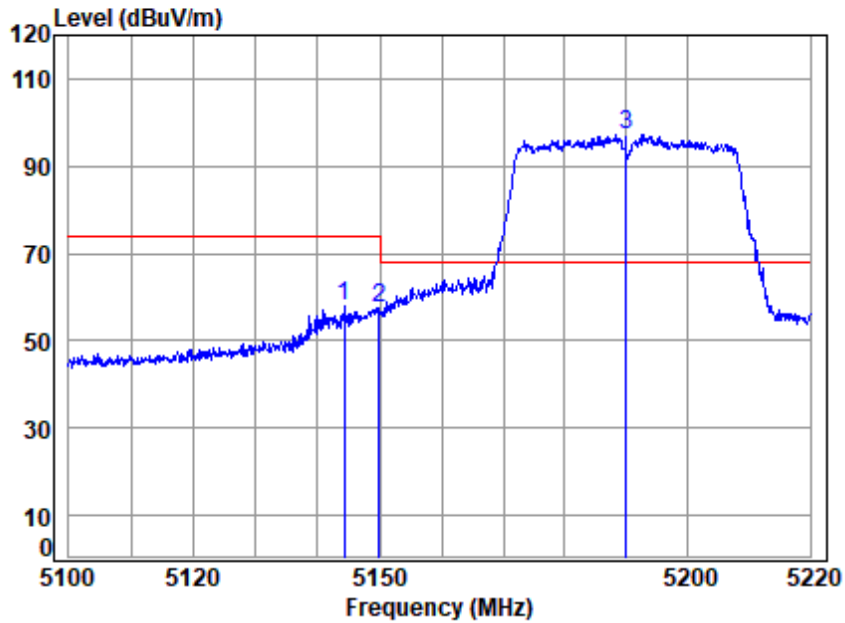
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5240.00	8.29	31.99	31.94	84.85	93.19	-----	-----	Average
2	5350.02	8.28	32.25	32.10	28.67	37.10	54.00	-16.90	Average
3 p	5351.92	8.28	32.26	32.10	29.14	37.58	54.00	-16.42	Average



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Test Mode: 09; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5190 Band edge  
 Note : 5G WIFI 11AC40

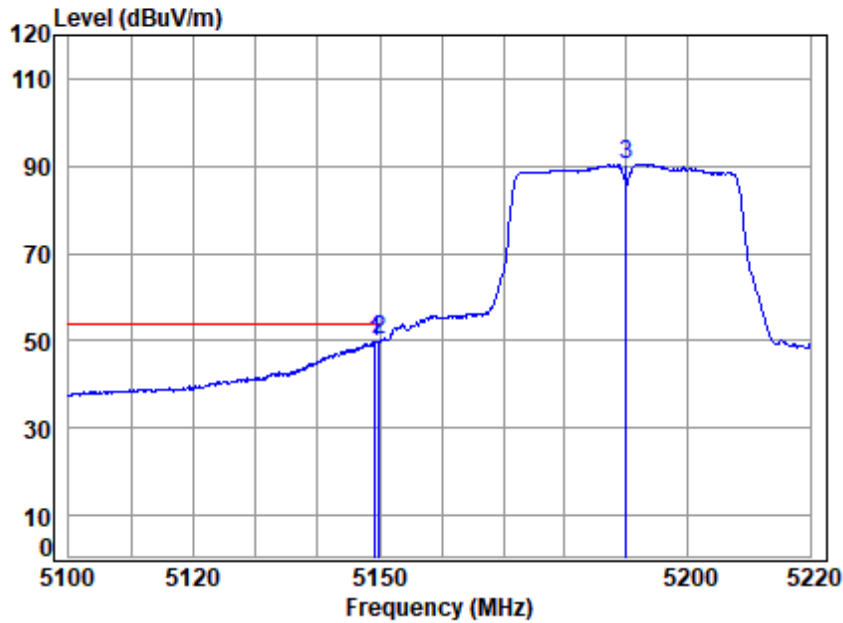
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5144.31	8.29	31.76	31.81	49.50	57.74	74.00	-16.26	peak
2	5149.98	8.29	31.77	31.82	49.40	57.64	74.00	-16.36	peak
3 p	5190.00	8.29	31.87	31.87	88.75	97.04	68.20	28.84	peak



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Test Mode: 09; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5190 Band edge  
 Note : 5G WIFI 11AC40

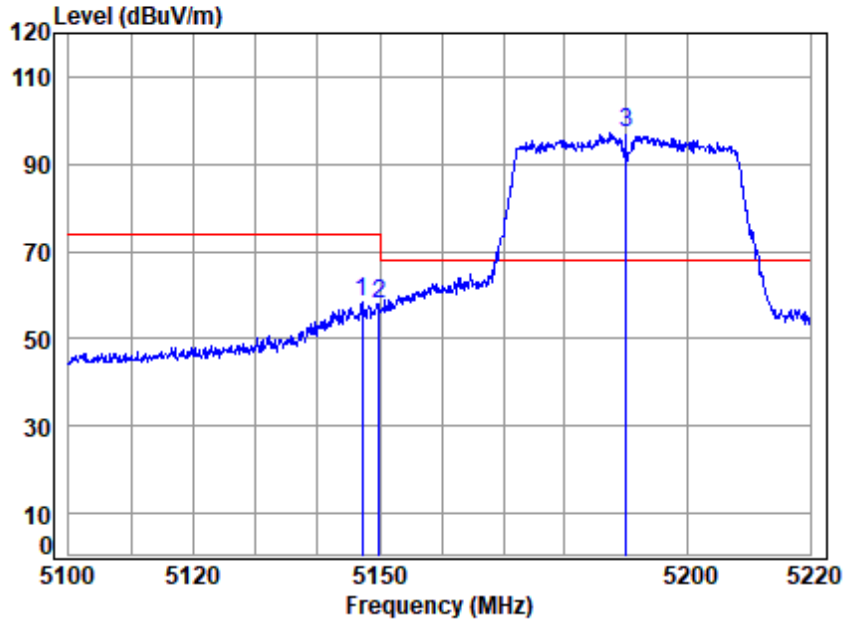
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5149.34	8.29	31.77	31.82	41.48	49.72	54.00	-4.28 Average
2 p	5149.98	8.29	31.77	31.82	41.85	50.09	54.00	-3.91 Average
3	5190.00	8.29	31.87	31.87	82.22	90.51	-----	----- Average



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Test Mode: 09; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5190 Band edge  
 Note : 5G WIFI 11AC40

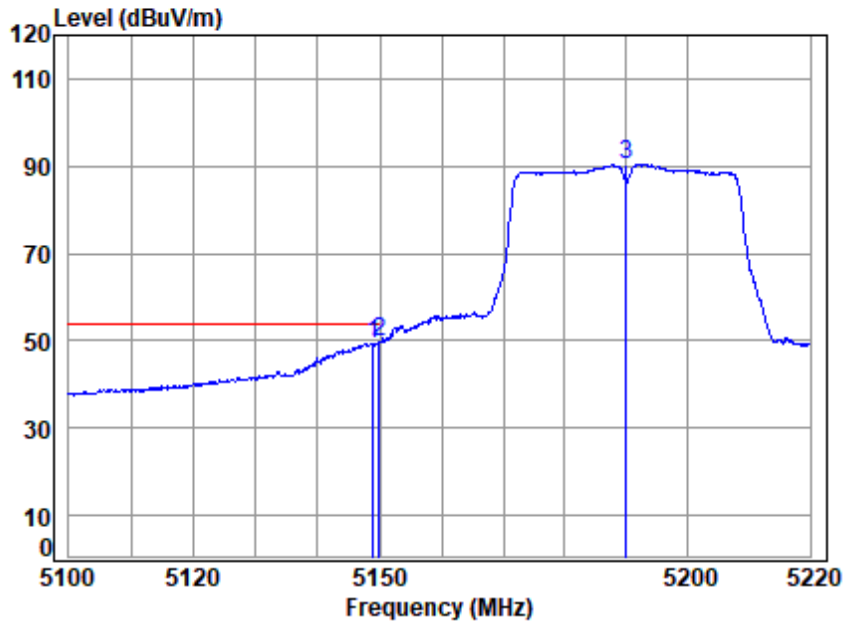
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5147.19	8.29	31.77	31.81	50.29	58.54	74.00	-15.46	Peak
2	5149.98	8.29	31.77	31.82	49.60	57.84	74.00	-16.16	Peak
3 p	5190.00	8.29	31.87	31.87	88.82	97.11	68.20	28.91	Peak



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Test Mode: 09; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5190 Band edge  
 Note : 5G WIFI 11AC40

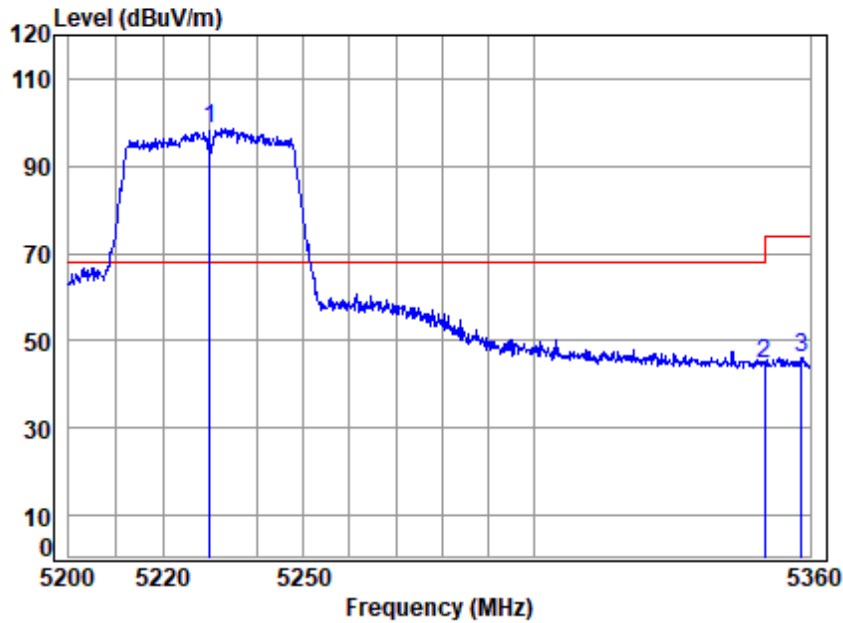
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.86	8.29	31.77	31.82	41.25	49.49	54.00	-4.51	Average
2 p	5149.98	8.29	31.77	31.82	41.68	49.92	54.00	-4.08	Average
3	5190.00	8.29	31.87	31.87	82.01	90.30	-----	-----	Average



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Test Mode: 09; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5230 Band edge  
 Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p	5230.00	8.29	31.97	31.93	90.10	98.43	68.20	30.23 peak
2	5350.02	8.28	32.25	32.10	36.48	44.91	74.00	-29.09 peak
3	5358.21	8.28	32.27	32.11	37.80	46.24	74.00	-27.76 peak

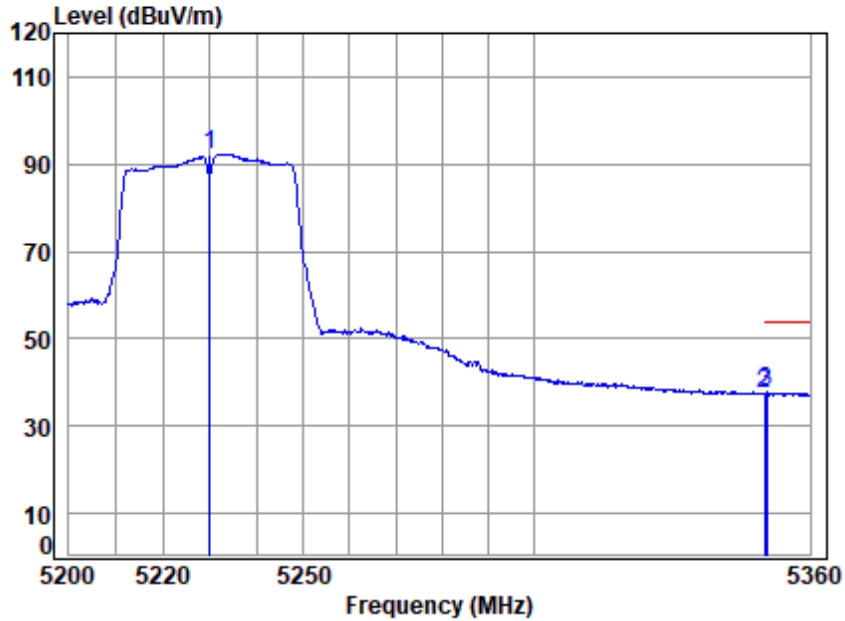


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Test Mode: 09; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5230 Band edge  
 Note : 5G WIFI 11AC40

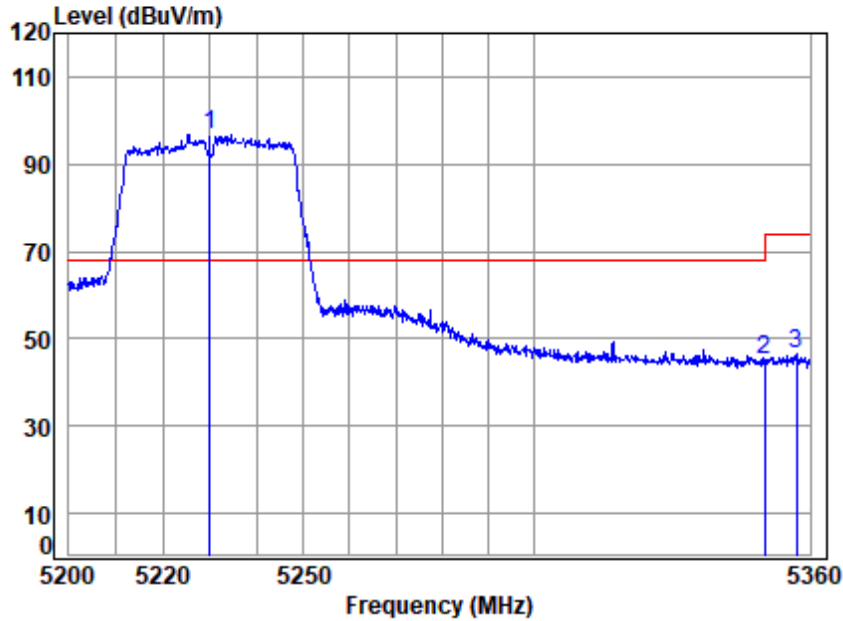
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5230.00	8.29	31.97	31.93	84.04	92.37	-----	-----	Average
2	5350.02	8.28	32.25	32.10	29.21	37.64	54.00	-16.36	Average
3 p	5350.59	8.28	32.25	32.10	29.25	37.68	54.00	-16.32	Average



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Test Mode: 09; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber  
Condition: 3m VERTICAL  
Job No : 00134AT/00135AT  
Mode : 5230 Band edge  
Note : 5G WIFI 11AC40

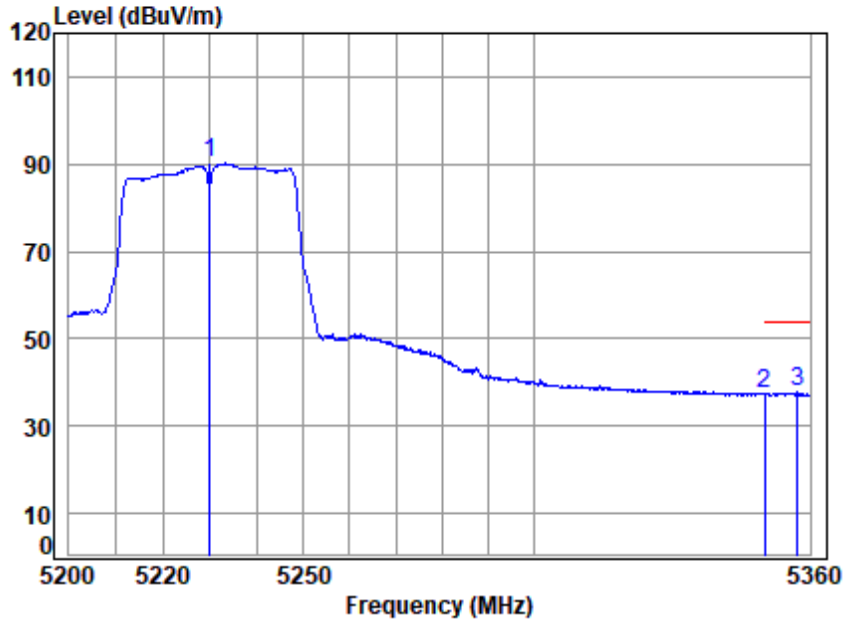
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p	5230.00	8.29	31.97	31.93	88.41	96.74	68.20	28.54 Peak
2	5350.02	8.28	32.25	32.10	36.58	45.01	74.00	-28.99 Peak
3	5357.08	8.28	32.27	32.11	37.89	46.33	74.00	-27.67 Peak



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Test Mode: 09; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5230 Band edge  
 Note : 5G WIFI 11AC40

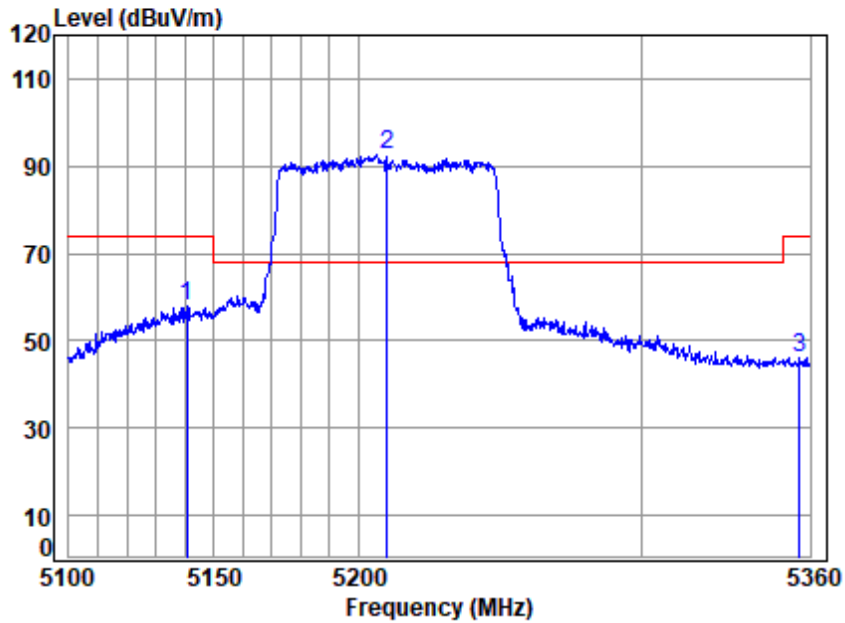
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5230.00	8.29	31.97	31.93	81.79	90.12	-----	Average
2	5350.02	8.28	32.25	32.10	28.88	37.31	54.00	-16.69 Average
3 p	5357.24	8.28	32.27	32.11	29.26	37.70	54.00	-16.30 Average



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Test Mode: 09; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5210 Band edge  
 Note : 5G WIFI 11AC80

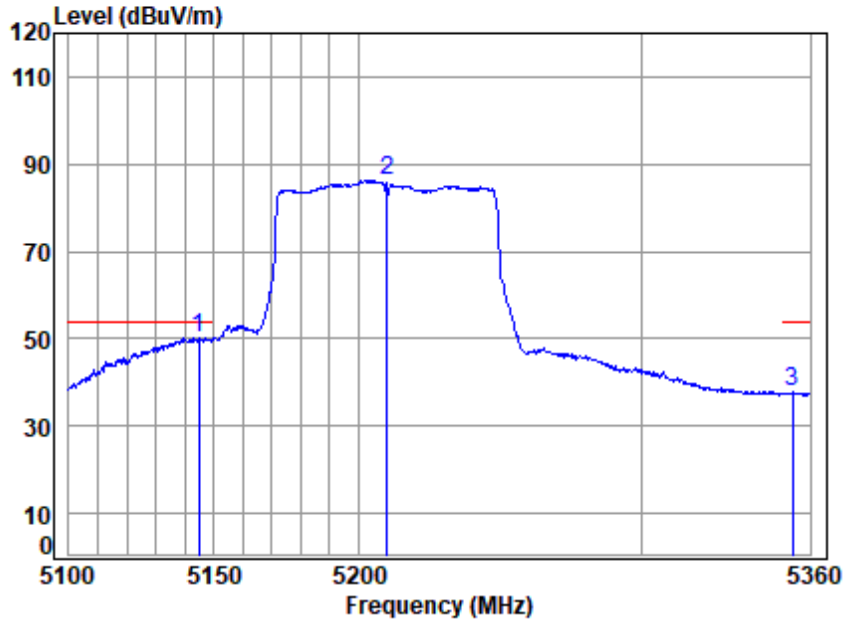
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5140.48	8.29	31.75	31.80	49.49	57.73	74.00	-16.27	peak
2 p	5210.00	8.29	31.92	31.90	84.27	92.58	68.20	24.38	peak
3	5356.27	8.28	32.27	32.11	37.62	46.06	74.00	-27.94	peak



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Test Mode: 09; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5210 Band edge  
 Note : 5G WIFI 11AC80

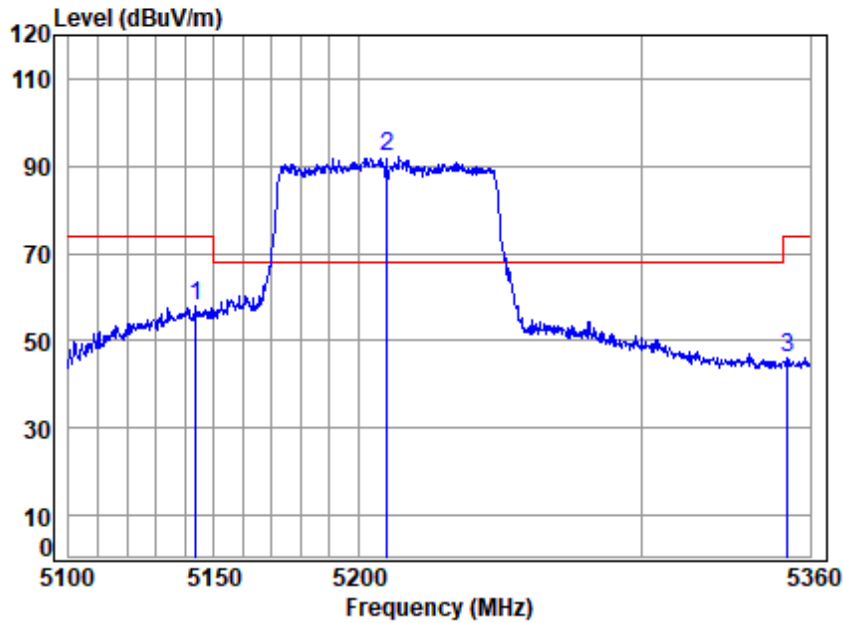
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p	5144.57	8.29	31.76	31.81	41.92	50.16	54.00	-3.84 Average
2	5210.00	8.29	31.92	31.90	78.03	86.34	-----	----- Average
3	5353.87	8.28	32.26	32.10	29.24	37.68	54.00	-16.32 Average



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Test Mode: 09; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5210 Band edge  
 Note : 5G WIFI 11AC80

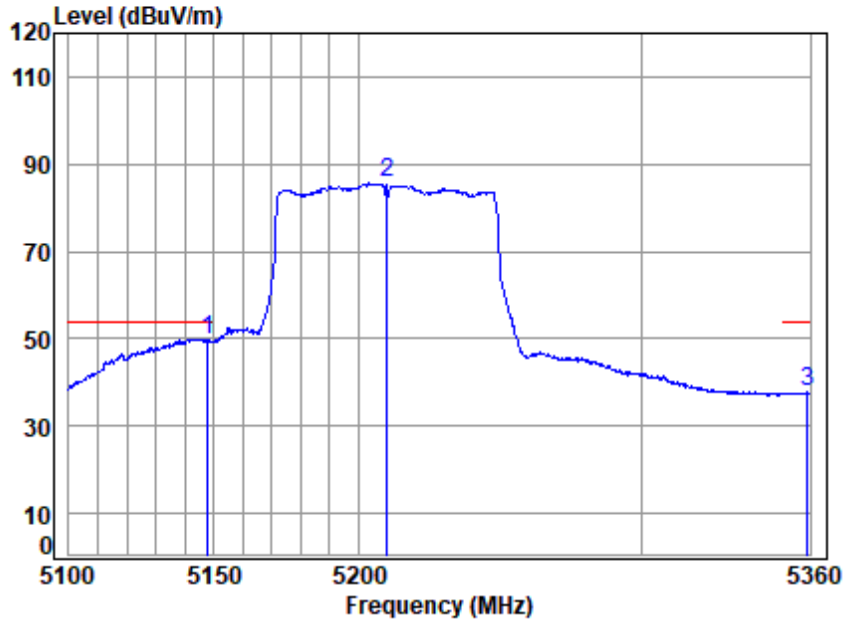
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5143.55	8.29	31.76	31.81	49.68	57.92	74.00	-16.08	Peak
2 p	5210.00	8.29	31.92	31.90	83.77	92.08	68.20	23.88	Peak
3	5352.01	8.28	32.26	32.10	37.76	46.20	74.00	-27.80	Peak



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Test Mode: 09; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5210 Band edge  
 Note : 5G WIFI 11AC80

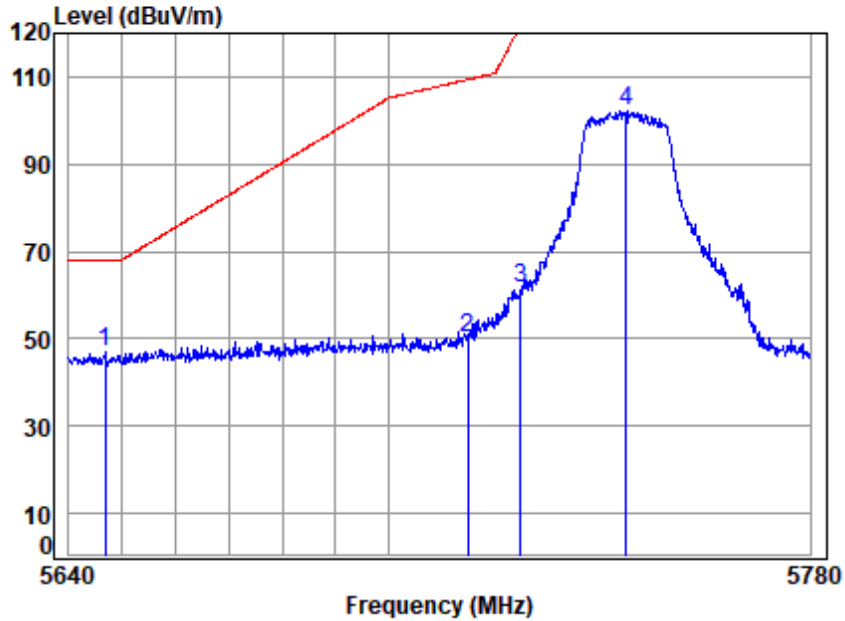
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	5147.90	8.29	31.77	31.81	41.68	49.93	54.00	-4.07	Average
2	5210.00	8.29	31.92	31.90	77.27	85.58	-----	-----	Average
3	5358.93	8.28	32.27	32.11	29.34	37.78	54.00	-16.22	Average



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5745 Band edge  
 Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	5646.78	8.08	32.54	32.24	38.60	46.98	68.20	-21.22	peak
2	5715.00	7.99	32.51	32.21	41.70	49.99	109.40	-59.41	peak
3	5725.00	7.98	32.51	32.21	53.27	61.55	122.20	-60.65	peak
4	5745.00	7.95	32.50	32.20	93.91	102.16	-----	-----	peak

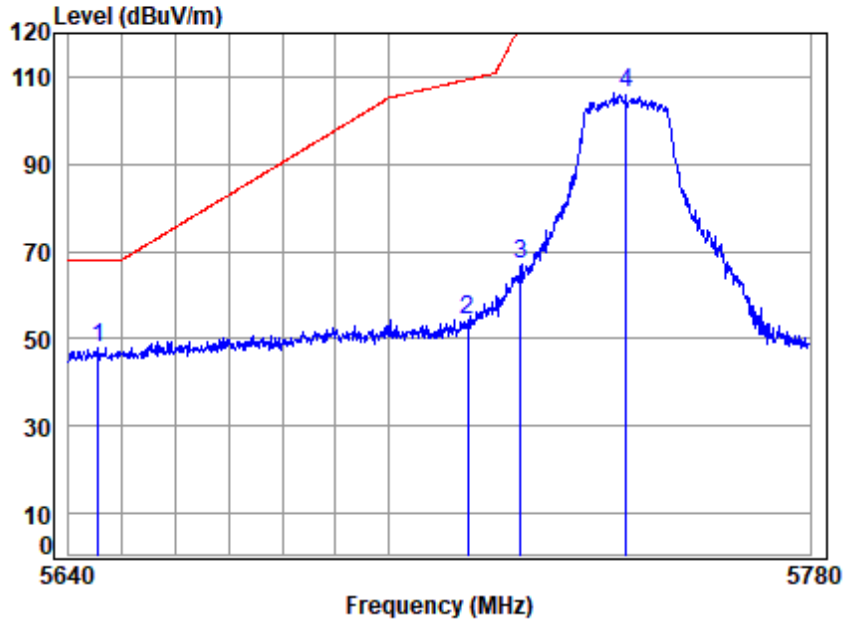


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Test Mode: 12; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5745 Band edge  
 Note : 5G WIFI 11A

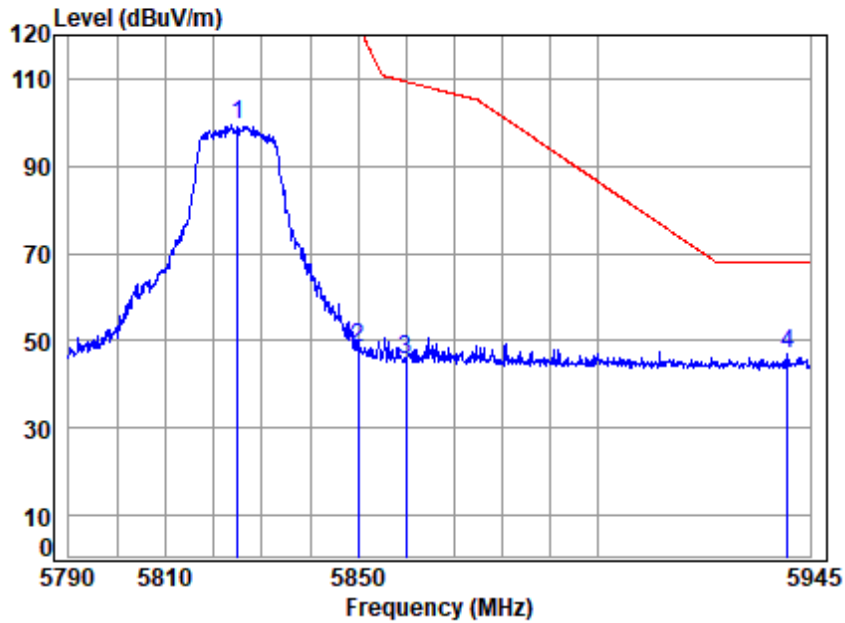
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	5645.53	8.08	32.54	32.24	39.57	47.95	68.20	-20.25	peak
2	5715.00	7.99	32.51	32.21	46.03	54.32	109.40	-55.08	peak
3	5725.00	7.98	32.51	32.21	58.62	66.90	122.20	-55.30	peak
4	5745.00	7.95	32.50	32.20	97.88	106.13	-----	-----	peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5825 Band edge  
 Note : 5G WIFI 11A

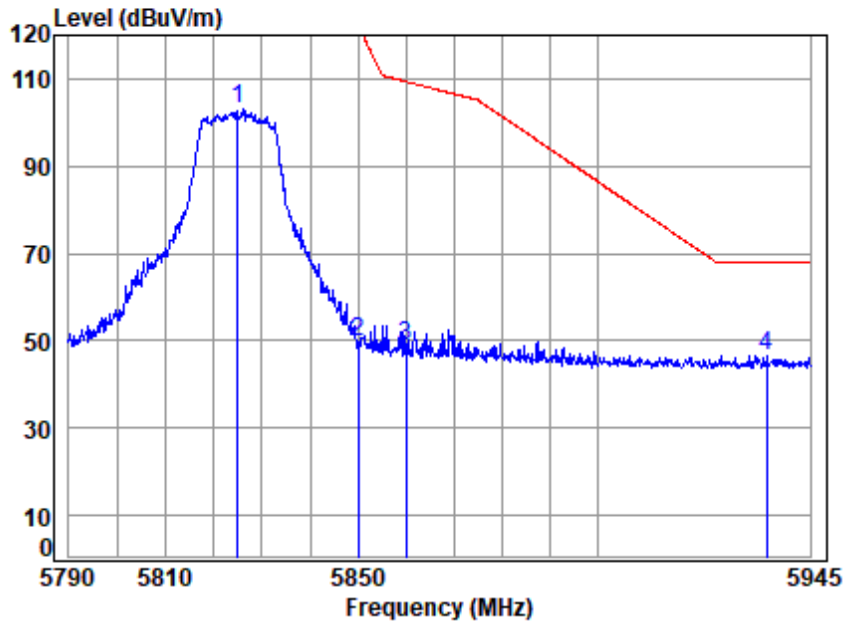
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.00	7.85	32.47	32.17	91.11	99.26	-----	-----	peak
2	5850.00	7.82	32.46	32.16	40.10	48.22	122.20	-73.98	peak
3	5860.00	7.81	32.45	32.15	37.68	45.79	109.40	-63.61	peak
4 p	5940.29	7.71	32.42	32.12	38.78	46.79	68.20	-21.41	peak



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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5825 Band edge  
 Note : 5G WIFI 11A

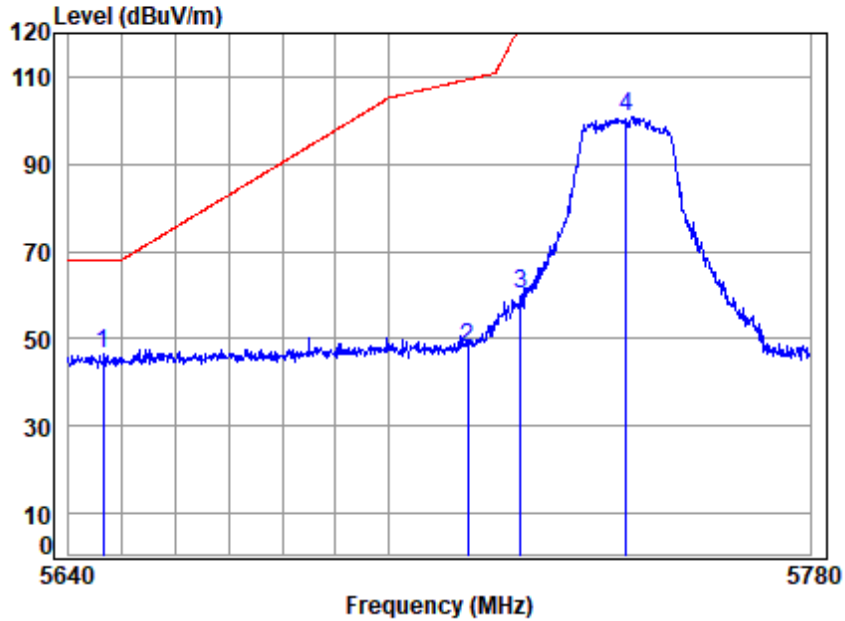
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.00	7.85	32.47	32.17	94.80	102.95	-----	-----	peak
2	5850.00	7.82	32.46	32.16	41.64	49.76	122.20	-72.44	peak
3	5860.00	7.81	32.45	32.15	40.51	48.62	109.40	-60.78	peak
4 p	5935.74	7.72	32.42	32.12	38.63	46.65	68.20	-21.55	peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5745 Band edge  
 Note : 5G WIFI 11N20

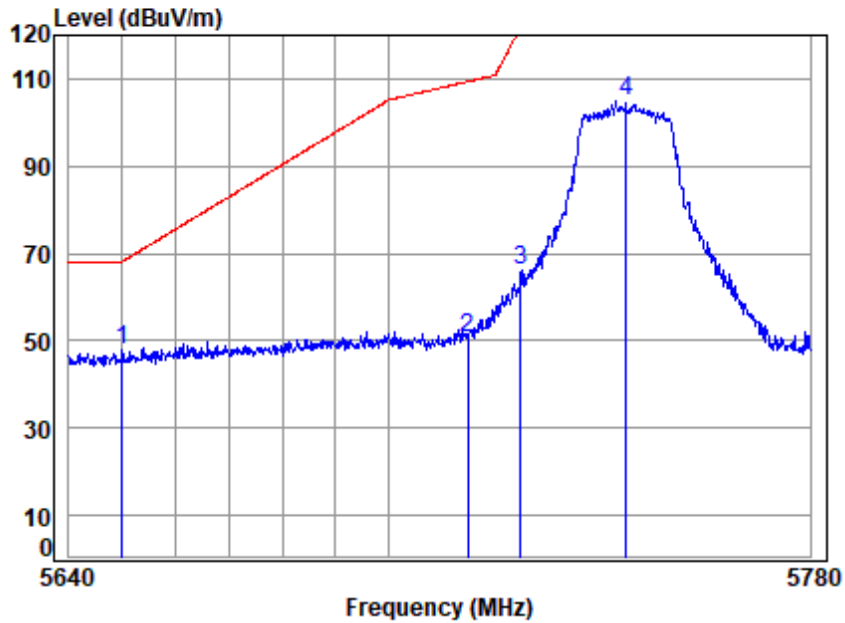
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	5646.50	8.08	32.54	32.24	38.32	46.70	68.20	-21.50	peak
2	5715.00	7.99	32.51	32.21	39.70	47.99	109.40	-61.41	peak
3	5725.00	7.98	32.51	32.21	51.85	60.13	122.20	-62.07	peak
4	5745.00	7.95	32.50	32.20	92.67	100.92	-----	-----	peak



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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5745 Band edge  
 Note : 5G WIFI 11N20

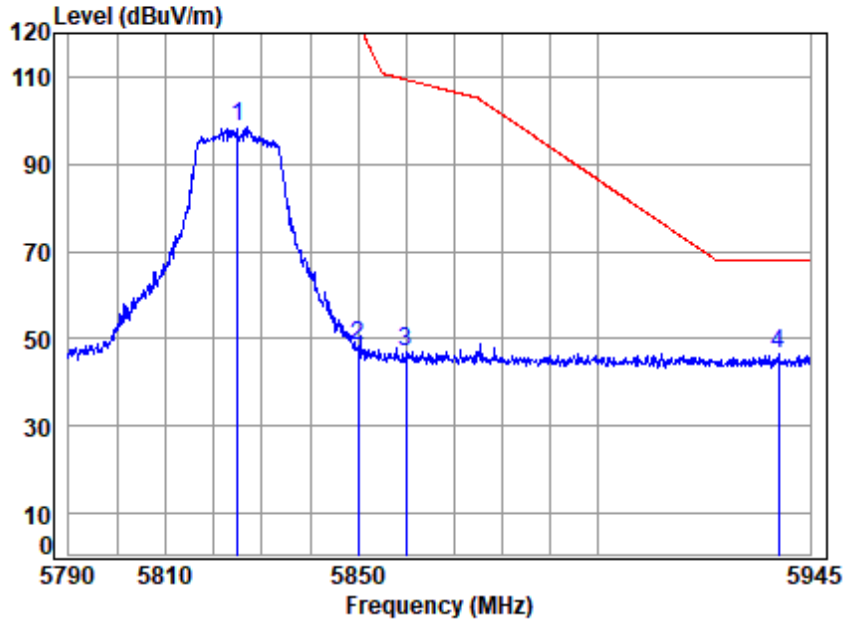
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	5649.97	8.08	32.54	32.24	39.40	47.78	68.20	-20.42	peak
2	5715.00	7.99	32.51	32.21	42.52	50.81	109.40	-58.59	peak
3	5725.00	7.98	32.51	32.21	57.84	66.12	122.20	-56.08	peak
4	5745.00	7.95	32.50	32.20	96.50	104.75	-----	-----	peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5825 Band edge  
 Note : 5G WIFI 11N20

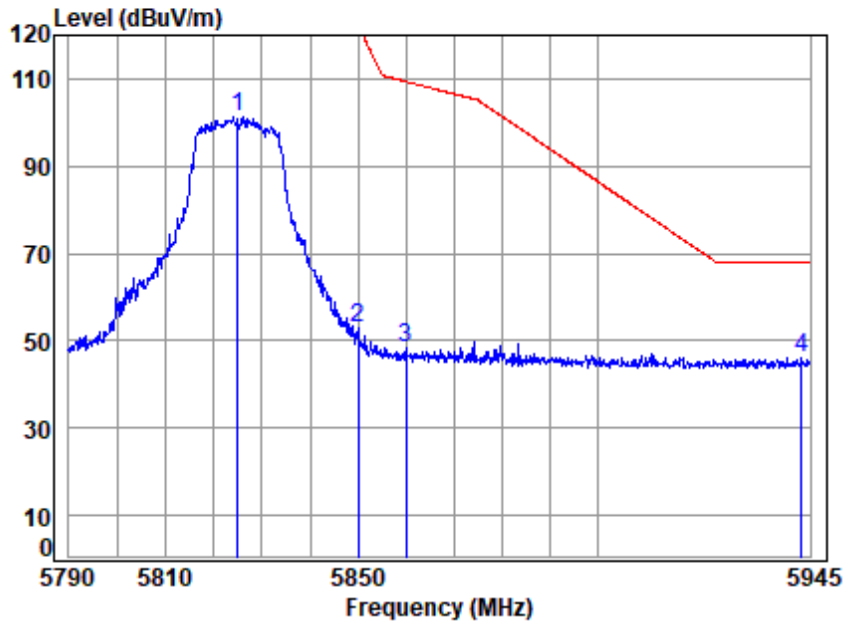
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.00	7.85	32.47	32.17	90.19	98.34	-----	-----	peak
2	5850.00	7.82	32.46	32.16	40.11	48.23	122.20	-73.97	peak
3	5860.00	7.81	32.45	32.15	38.83	46.94	109.40	-62.46	peak
4 p	5938.25	7.71	32.42	32.12	38.36	46.37	68.20	-21.83	peak



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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5825 Band edge  
 Note : 5G WIFI 11N20

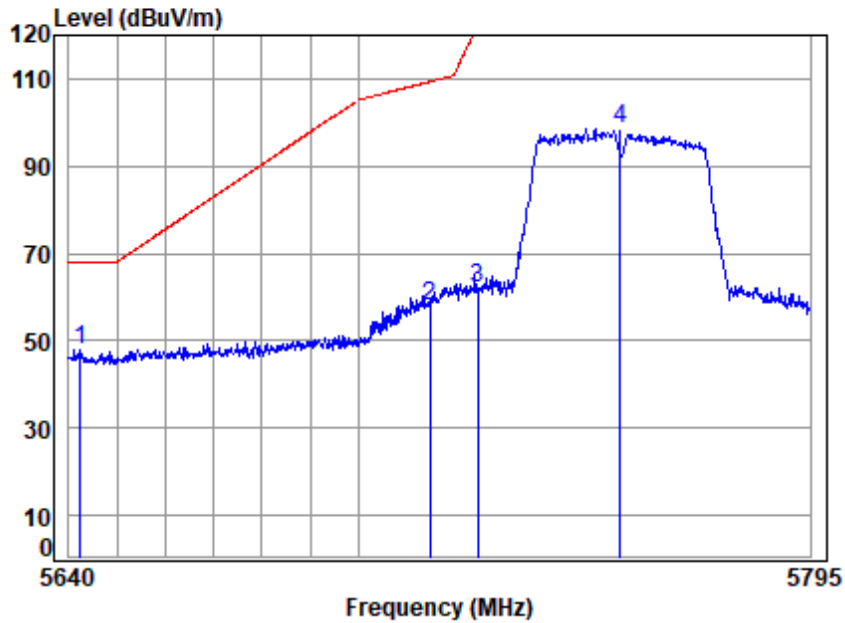
		Cable	Ant	Preamp	Read	Limit	Over		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.00	7.85	32.47	32.17	93.19	101.34	-----	-----	peak
2	5850.00	7.82	32.46	32.16	45.01	53.13	122.20	-69.07	peak
3	5860.00	7.81	32.45	32.15	40.28	48.39	109.40	-61.01	peak
4 p	5943.27	7.71	32.42	32.12	38.12	46.13	68.20	-22.07	peak



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Test Mode: 12; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5755 Band edge  
 Note : 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 p	5642.29	8.09	32.54	32.24	39.74	48.13	68.20	-20.07 peak
2	5715.00	7.99	32.51	32.21	49.52	57.81	109.40	-51.59 peak
3	5725.00	7.98	32.51	32.21	53.68	61.96	122.20	-60.24 peak
4	5755.00	7.94	32.50	32.20	90.39	98.63	-----	----- peak

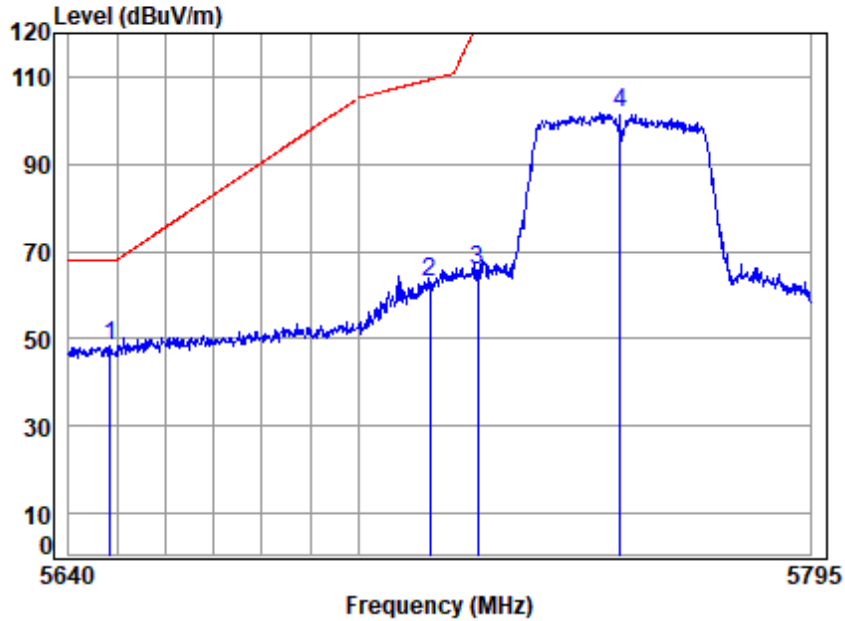


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Test Mode: 12; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5755 Band edge  
 Note : 5G WIFI 11N40

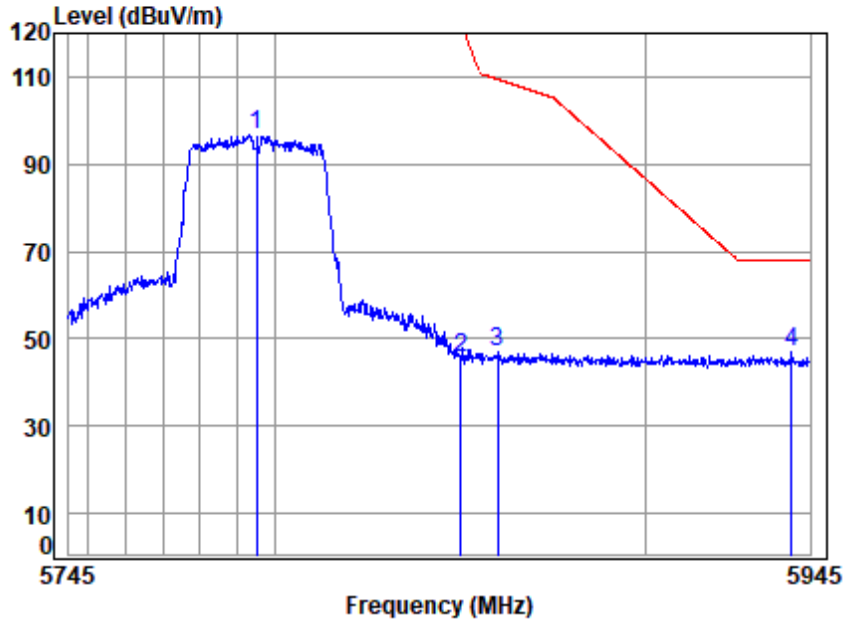
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	5648.57	8.08	32.54	32.24	40.09	48.47	68.20	-19.73	peak
2	5715.00	7.99	32.51	32.21	54.60	62.89	109.40	-46.51	peak
3	5725.00	7.98	32.51	32.21	57.53	65.81	122.20	-56.39	peak
4	5755.00	7.94	32.50	32.20	93.29	101.53	-----	-----	peak



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Test Mode: 12; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5795 Band edge  
 Note : 5G WIFI 11N40

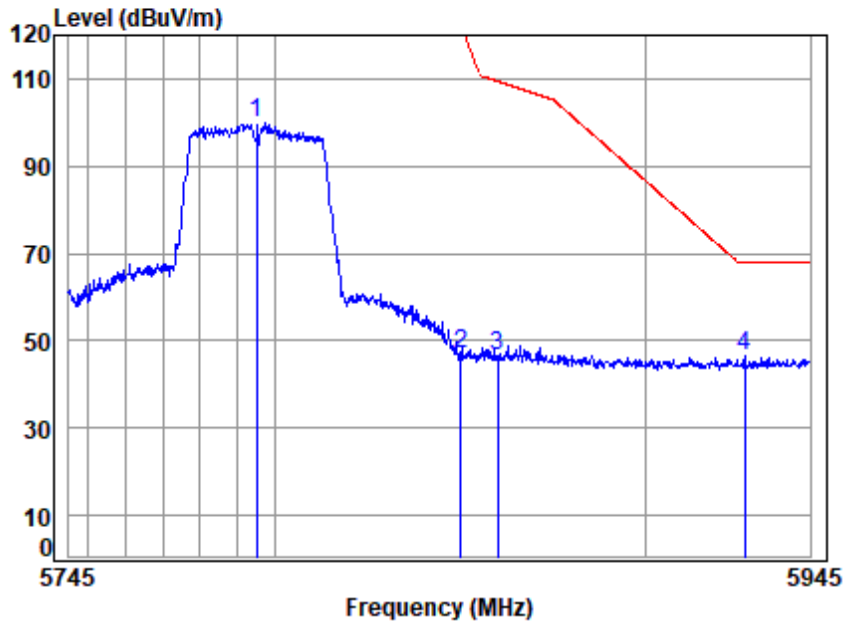
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5795.00	7.89	32.48	32.18	88.49	96.68	-----	-----	peak
2	5850.00	7.82	32.46	32.16	37.69	45.81	122.20	-76.39	peak
3	5860.00	7.81	32.45	32.15	38.67	46.78	109.40	-62.62	peak
4 p	5939.92	7.71	32.42	32.12	38.77	46.78	68.20	-21.42	peak



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Test Mode: 12; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5795 Band edge  
 Note : 5G WIFI 11N40

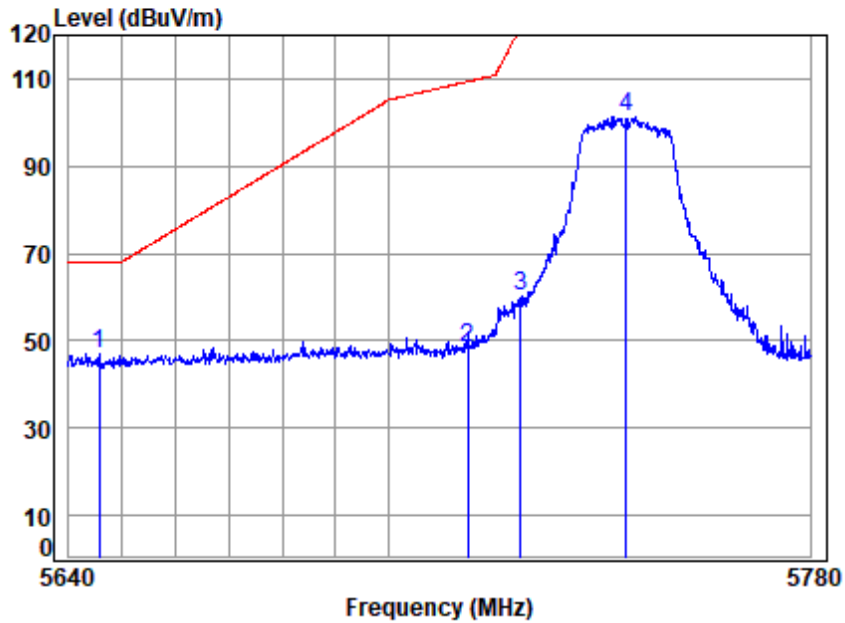
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5795.00	7.89	32.48	32.18	91.63	99.82	-----	-----	peak
2	5850.00	7.82	32.46	32.16	38.70	46.82	122.20	-75.38	peak
3	5860.00	7.81	32.45	32.15	38.43	46.54	109.40	-62.86	peak
4 p	5927.12	7.73	32.43	32.13	38.43	46.46	68.20	-21.74	peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5745 Band edge  
 Note : 5G WIFI 11AC20

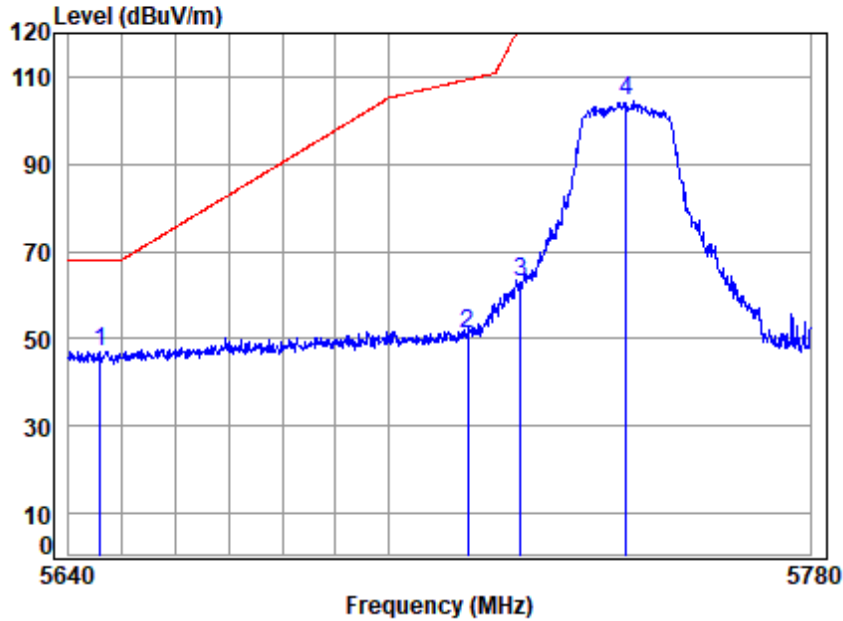
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	5645.67	8.08	32.54	32.24	38.60	46.98	68.20	-21.22	peak
2	5715.00	7.99	32.51	32.21	40.14	48.43	109.40	-60.97	peak
3	5725.00	7.98	32.51	32.21	51.75	60.03	122.20	-62.17	peak
4	5745.00	7.95	32.50	32.20	93.23	101.48	-----	-----	peak



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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5745 Band edge  
 Note : 5G WIFI 11AC20

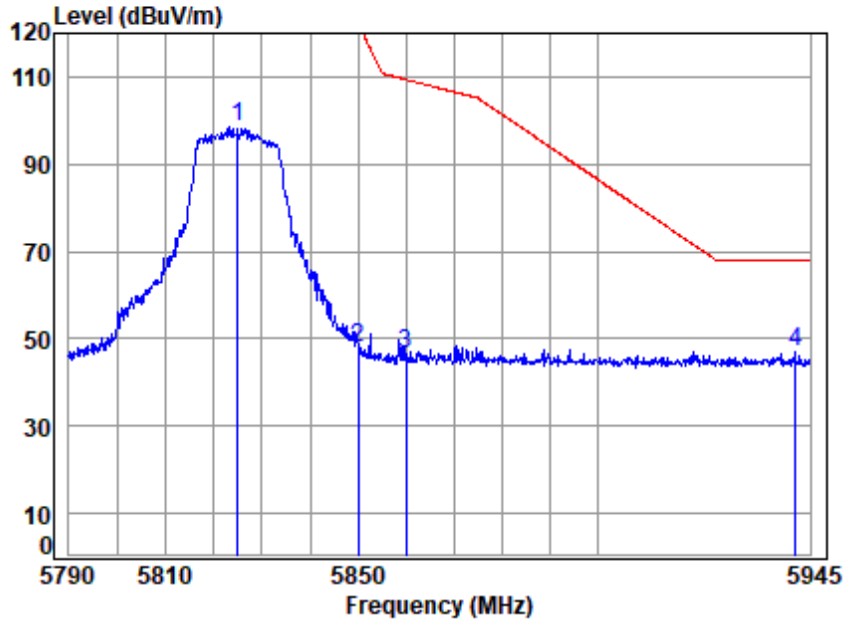
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	5645.81	8.08	32.54	32.24	38.80	47.18	68.20	-21.02	peak
2	5715.00	7.99	32.51	32.21	42.89	51.18	109.40	-58.22	peak
3	5725.00	7.98	32.51	32.21	54.61	62.89	122.20	-59.31	peak
4	5745.00	7.95	32.50	32.20	96.21	104.46	-----	-----	peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5825 Band edge  
 Note : 5G WIFI 11AC20

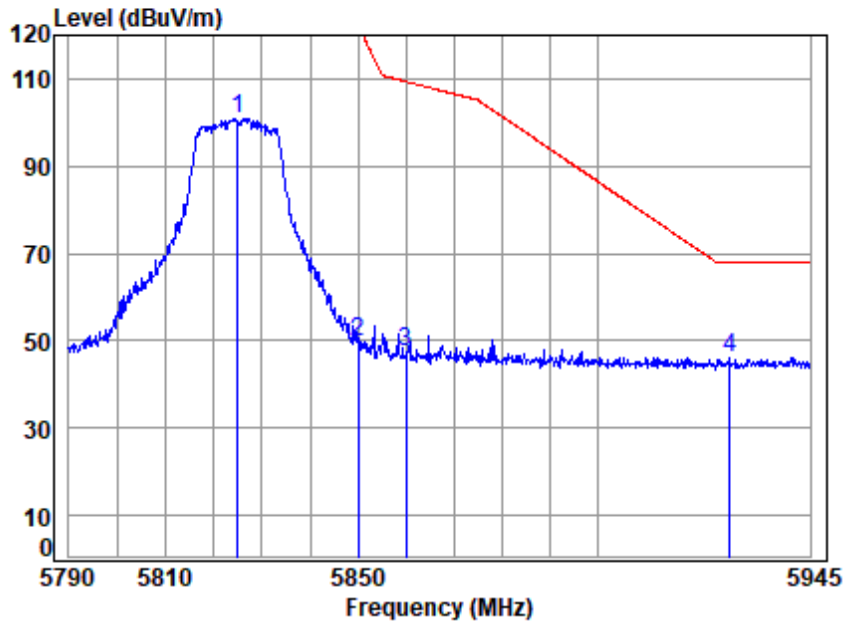
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.00	7.85	32.47	32.17	90.36	98.51	-----	-----	peak
2	5850.00	7.82	32.46	32.16	39.68	47.80	122.20	-74.40	peak
3	5860.00	7.81	32.45	32.15	38.26	46.37	109.40	-63.03	peak
4 p	5941.86	7.71	32.42	32.12	38.90	46.91	68.20	-21.29	peak



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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5825 Band edge  
 Note : 5G WIFI 11AC20

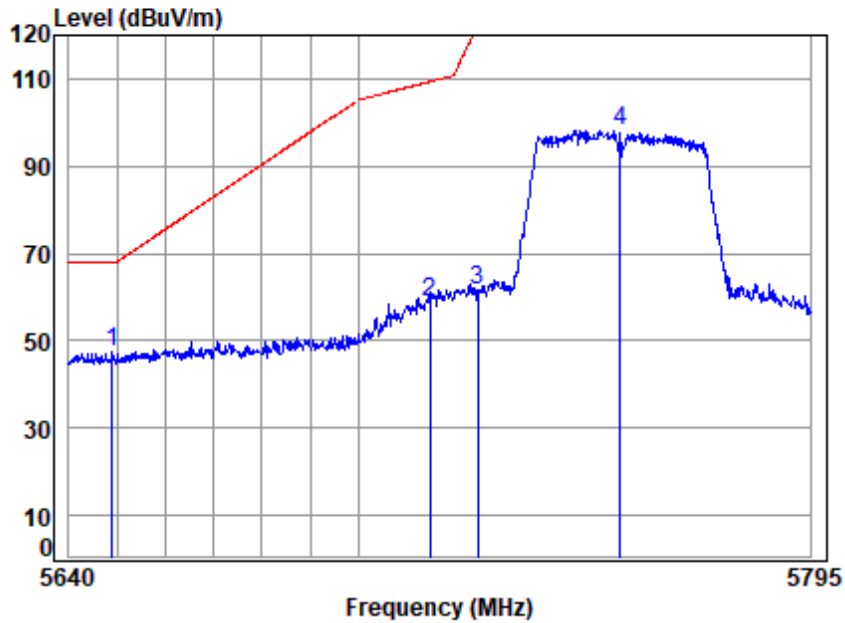
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.00	7.85	32.47	32.17	92.86	101.01	-----	-----	peak
2	5850.00	7.82	32.46	32.16	41.75	49.87	122.20	-72.33	peak
3	5860.00	7.81	32.45	32.15	39.21	47.32	109.40	-62.08	peak
4 p	5928.06	7.73	32.43	32.13	37.94	45.97	68.20	-22.23	peak



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Test Mode: 12; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5755 Band edge  
 Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	5649.03	8.08	32.54	32.24	39.25	47.63	68.20	-20.57	peak
2	5715.00	7.99	32.51	32.21	50.41	58.70	109.40	-50.70	peak
3	5725.00	7.98	32.51	32.21	53.49	61.77	122.20	-60.43	peak
4	5755.00	7.94	32.50	32.20	90.08	98.32	-----	-----	peak

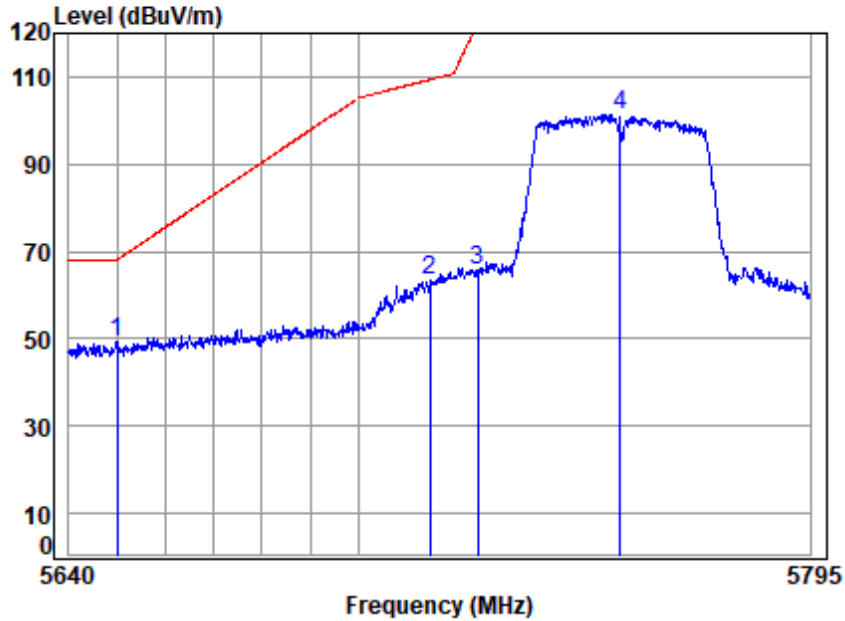


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Test Mode: 12; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber  
Condition: 3m VERTICAL  
Job No : 00134AT/00135AT  
Mode : 5755 Band edge  
Note : 5G WIFI 11AC40

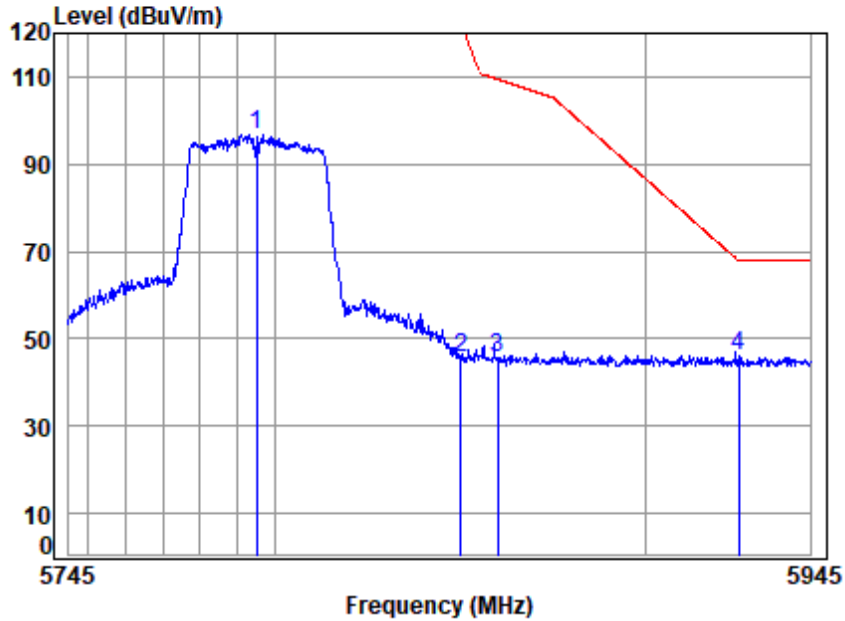
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 p	5649.95	8.08	32.54	32.24	41.06	49.44	68.20	-18.76	peak
2	5715.00	7.99	32.51	32.21	55.33	63.62	109.40	-45.78	peak
3	5725.00	7.98	32.51	32.21	57.50	65.78	122.20	-56.42	peak
4	5755.00	7.94	32.50	32.20	92.98	101.22	-----	-----	peak



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Test Mode: 12; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5795 Band edge  
 Note : 5G WIFI 11AC40

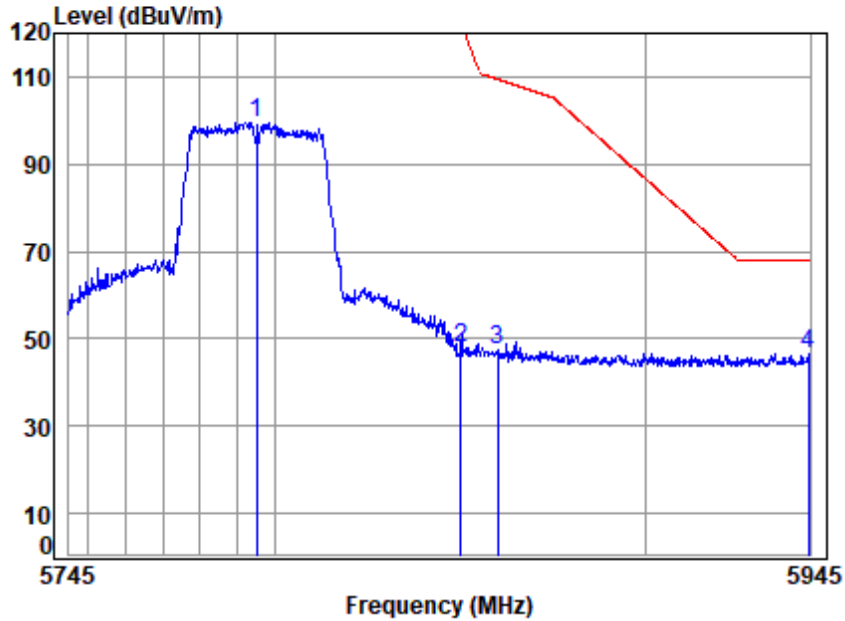
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5795.00	7.89	32.48	32.18	88.73	96.92	-----	-----	peak
2	5850.00	7.82	32.46	32.16	37.67	45.79	122.20	-76.41	peak
3	5860.00	7.81	32.45	32.15	37.73	45.84	109.40	-63.56	peak
4 p	5925.50	7.73	32.43	32.13	37.92	45.95	68.20	-22.25	peak



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Test Mode: 12; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5795 Band edge  
 Note : 5G WIFI 11AC40

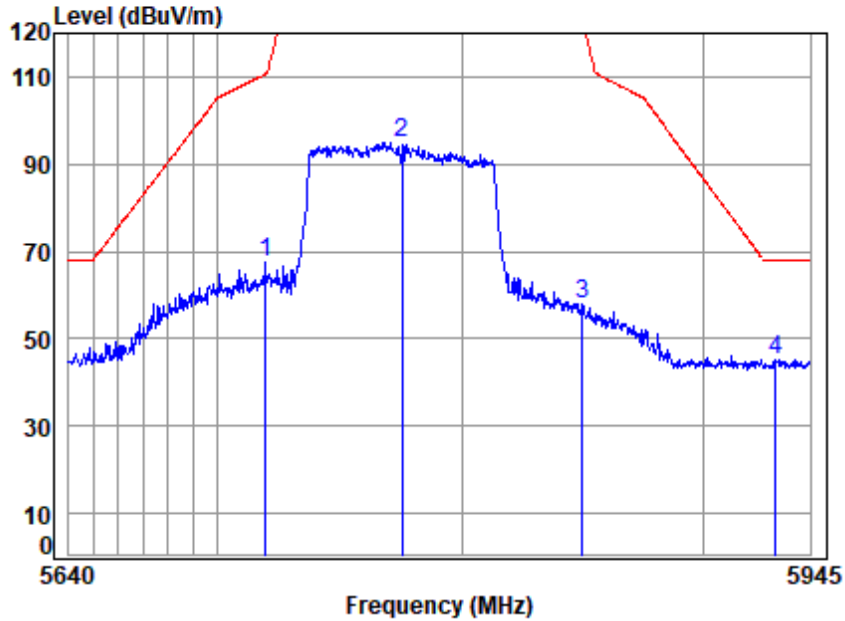
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5795.00	7.89	32.48	32.18	91.45	99.64	-----	-----	peak
2	5850.00	7.82	32.46	32.16	39.92	48.04	122.20	-74.16	peak
3	5860.00	7.81	32.45	32.15	39.22	47.33	109.40	-62.07	peak
4 p	5944.59	7.71	32.42	32.12	38.37	46.38	68.20	-21.82	peak



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Test Mode: 12; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 00134AT/00135AT  
 Mode : 5775 Band edge  
 Note : 5G WIFI 11AC80

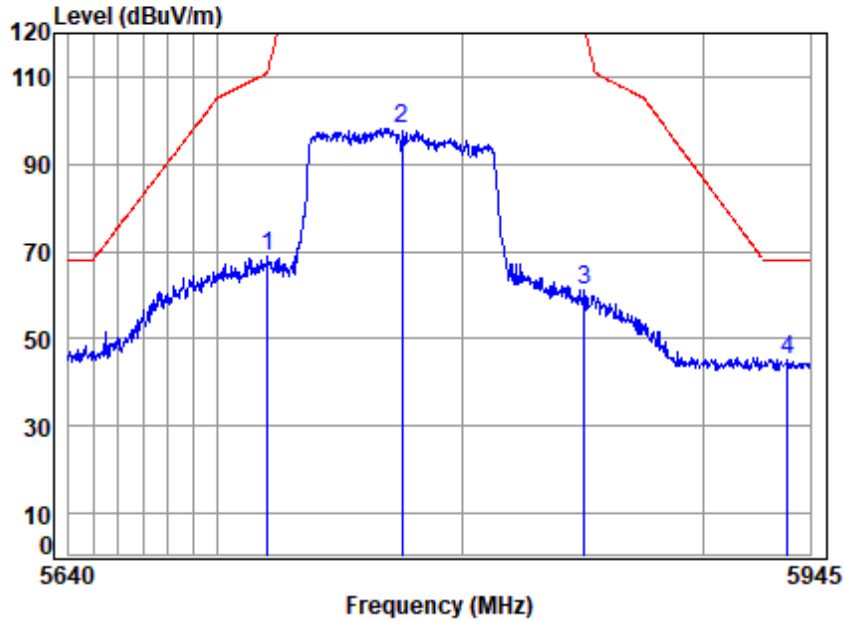
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5719.27	7.99	32.51	32.21	59.11	67.40	110.60	-43.20	peak
2	5775.00	7.92	32.49	32.19	86.79	95.01	-----	-----	peak
3	5849.65	7.82	32.46	32.16	49.80	57.92	-----	-----	peak
4 p	5930.30	7.72	32.43	32.13	37.18	45.20	68.20	-23.00	peak



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Test Mode: 12; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 00134AT/00135AT  
 Mode : 5775 Band edge  
 Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5720.17	7.99	32.51	32.21	60.73	69.02	111.19	-42.17	peak
2	5775.00	7.92	32.49	32.19	89.84	98.06	-----	-----	peak
3	5850.58	7.82	32.46	32.16	53.09	61.21	120.89	-59.68	peak
4 p	5935.61	7.72	32.42	32.12	37.28	45.30	68.20	-22.90	peak



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**7.10 Frequency Stability**

Test Requirement 47 CFR Part 15, Subpart C 15.407 (g)  
Test Method: ANSI C63.10 (2013) Section 6.8

**7.10.1 E.U.T. Operation**

Operating Environment:  
Temperature: 24.4 °C Humidity: 57.0 % RH Atmospheric Pressure: 1020 mbar

**7.10.2 Test Mode Description**

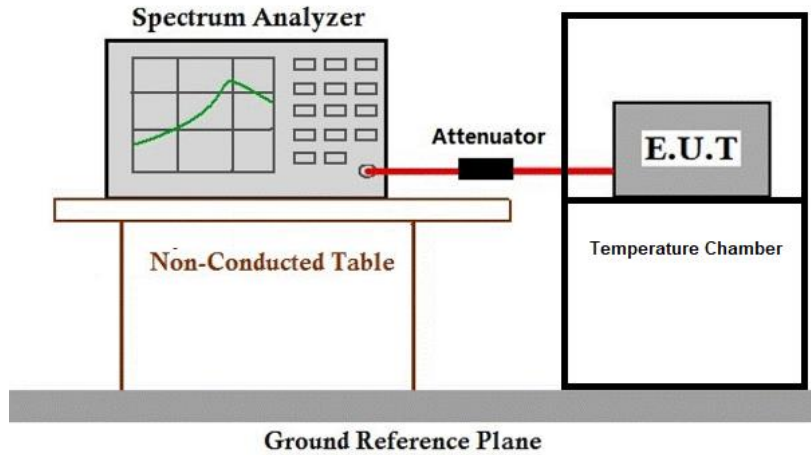
Pre-scan / Final test	Mode Code	Description
Final test	09	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	12	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.



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### 7.10.3 Test Setup Diagram



### 7.10.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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**7.11 Radiated Emissions (Below 1GHz)**

Test Requirement 47 CFR Part 15, Subpart C 15.209 & 15.407(b)  
 Test Method: KDB 789033 D02 II G  
 Measurement Distance: 3m

Limit:

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

**7.11.1 E.U.T. Operation**

Operating Environment:

Temperature: 23.6 °C Humidity: 52.8 % RH Atmospheric Pressure: 1020 mbar

**7.11.2 Test Mode Description**

Pre-scan / Final test	Mode Code	Description
Final test	09	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	12	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

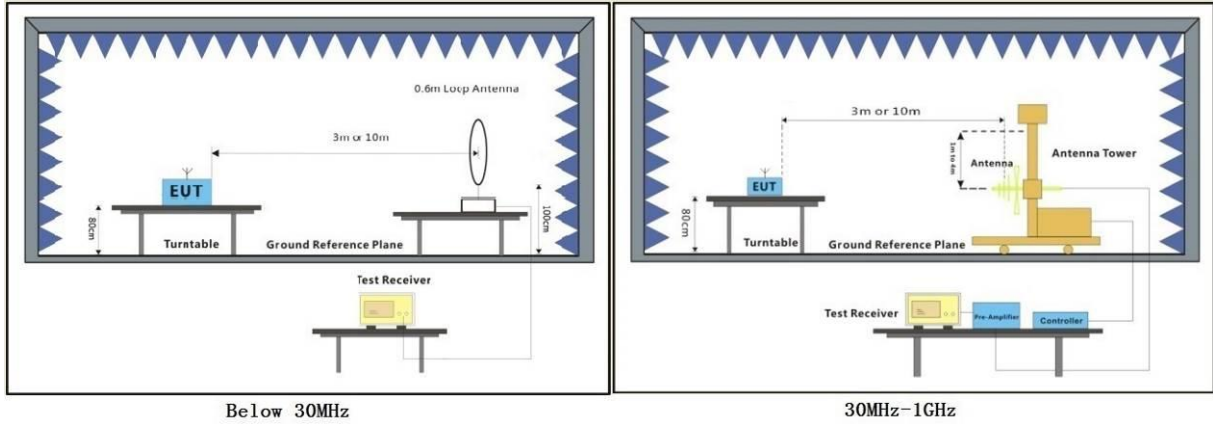


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**7.11.3 Test Setup Diagram**



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**7.11.4 Measurement Procedure and Data**

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

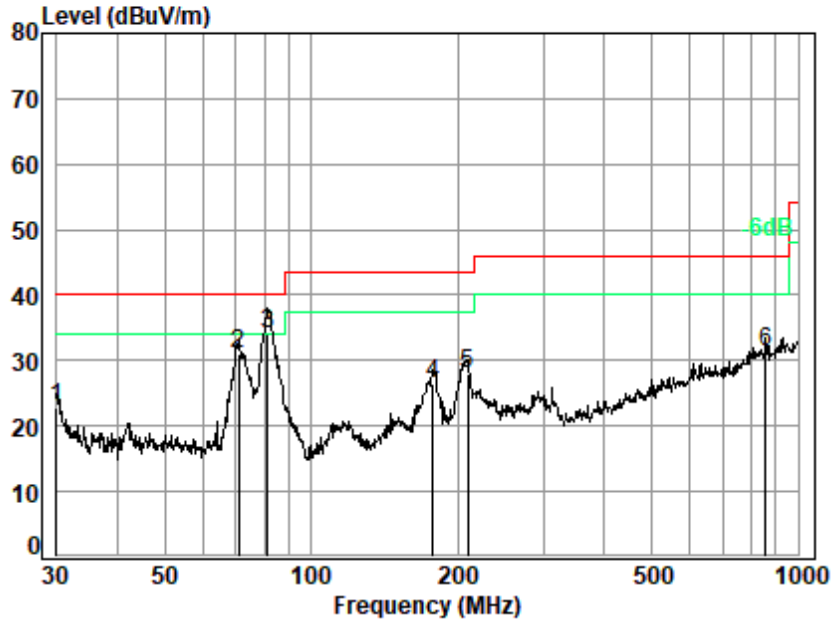
Remark:

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



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Test Mode: 09; Polarity: Horizontal



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 00134AT  
Mode : 09

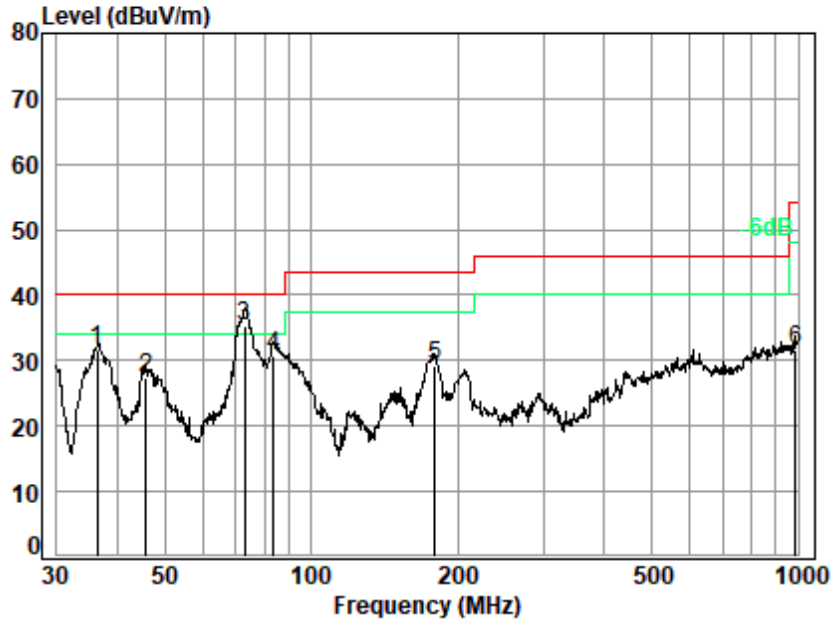
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	30.00	0.18	16.39	25.00	31.39	22.96	40.00	-17.04	
2	70.83	0.30	15.70	24.83	39.92	31.09	40.00	-8.91	
3 p	81.21	0.47	14.33	24.85	44.01	33.96	40.00	-6.04	
4	178.13	0.67	16.29	25.55	35.21	26.62	43.50	-16.88	
5	209.31	0.72	15.50	25.57	37.48	28.13	43.50	-15.37	
6	857.02	2.86	27.62	25.61	26.54	31.41	46.00	-14.59	



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Test Mode: 09; Polarity: Vertical



Site : chamber  
Condition: 3m VERTICAL  
Job No : 00134AT  
Mode : 09

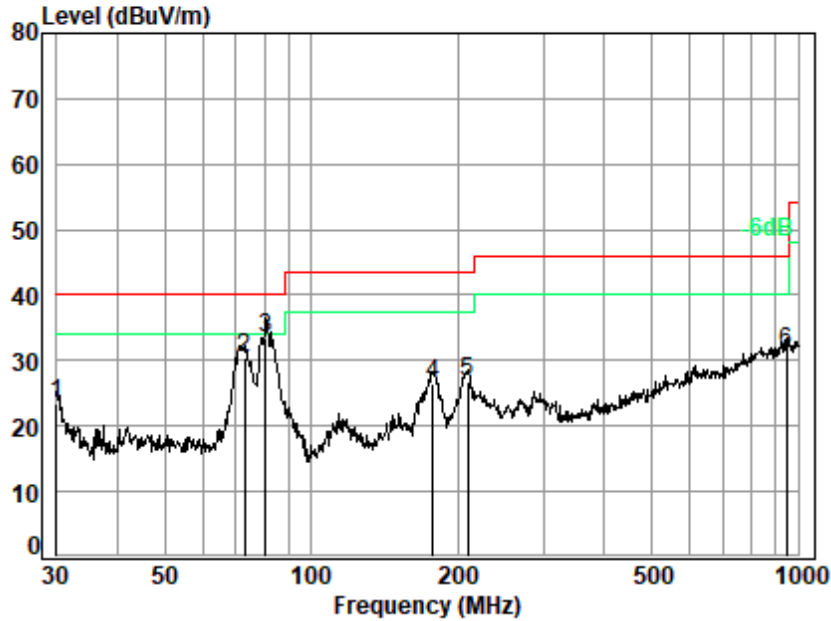
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	36.38	0.19	15.95	24.96	40.58	31.76	40.00	-8.24 QP
2	45.69	0.21	17.27	24.92	34.75	27.31	40.00	-12.69 QP
3 p	73.10	0.34	15.10	24.82	44.55	35.17	40.00	-4.83 QP
4	83.82	0.53	14.03	24.95	41.13	30.74	40.00	-9.26 QP
5	179.39	0.66	16.20	25.55	37.82	29.13	43.50	-14.37 QP
6	986.07	2.48	29.26	25.42	25.47	31.79	54.00	-22.21 QP



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Test Mode: 12; Polarity: Horizontal



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 00134AT  
Mode : 12

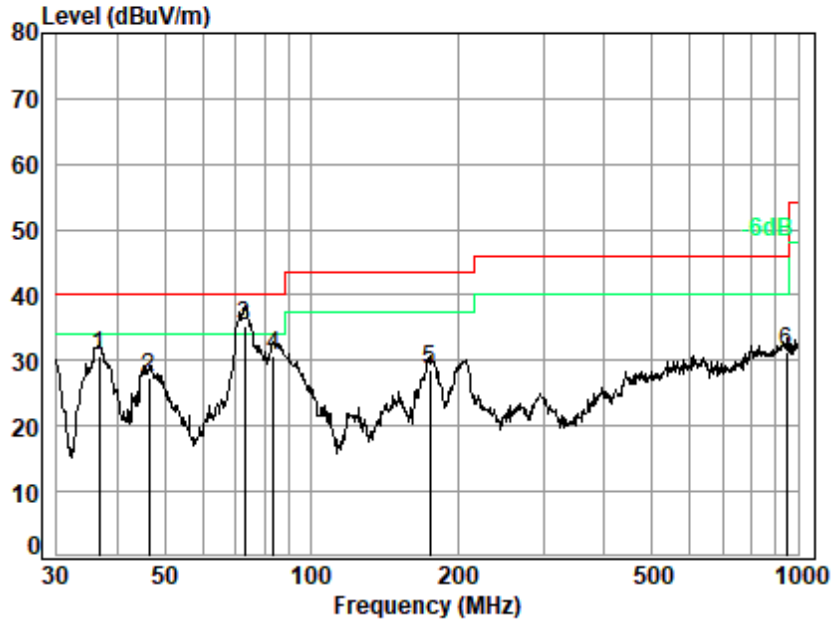
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	30.00	0.18	16.39	25.00	31.79	23.36	40.00	-16.64	QP
2	72.85	0.34	15.17	24.82	39.63	30.32	40.00	-9.68	QP
3 p	80.64	0.46	14.40	24.83	43.35	33.38	40.00	-6.62	QP
4	177.51	0.68	16.34	25.55	34.89	26.36	43.50	-17.14	QP
5	210.05	0.73	15.53	25.57	36.01	26.70	43.50	-16.80	QP
6	948.76	2.08	29.26	25.47	25.54	31.41	46.00	-14.59	QP



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Test Mode: 12; Polarity: Vertical



Site : chamber  
Condition: 3m VERTICAL  
Job No : 00134AT  
Mode : 12

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	36.64	0.19	16.00	24.96	39.61	30.84	40.00	-9.16 QP
2	46.50	0.21	17.27	24.91	34.67	27.24	40.00	-12.76 QP
3 p	72.85	0.34	15.17	24.82	44.72	35.41	40.00	-4.59 QP
4	83.52	0.53	14.06	24.94	41.20	30.85	40.00	-9.15 QP
5	175.04	0.69	16.52	25.55	37.00	28.66	43.50	-14.84 QP
6	948.76	2.08	29.26	25.47	25.47	31.34	46.00	-14.66 QP



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## 8 Test Setup Photo

Refer to Appendix - Test Setup Photo for FYCR2204000134AT

## 9 EUT Constructional Details (EUT Photos)

Refer to Appendix – External and Internal Photos for FYCR2204000134AT



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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	2.030	2.065	98.31	0.07	0.03
		5200	2.030	2.065	98.31	0.07	0.00
		5240	2.030	2.066	98.26	0.08	0.03
		5745	2.030	2.065	98.31	0.07	0.04
		5785	2.030	2.065	98.31	0.07	0.04
		5825	2.030	2.065	98.31	0.07	0.04
802.11n (HT20)	SISO	5180	1.890	1.925	98.18	0.08	0.03
		5200	1.890	1.925	98.18	0.08	0.03
		5240	1.890	1.925	98.18	0.08	0.03
		5745	1.890	1.925	98.18	0.08	0.03
		5785	1.890	1.925	98.18	0.08	0.03
		5825	1.890	1.925	98.18	0.08	0.03
802.11n (HT40)	SISO	5190	0.930	0.964	96.47	0.16	0.03
		5230	0.929	0.964	96.37	0.16	0.00
		5755	0.929	0.964	96.37	0.16	0.07
		5795	0.929	0.964	96.37	0.16	0.03
802.11ac (VHT20)	SISO	5180	1.902	1.937	98.19	0.08	0.03
		5200	1.902	1.937	98.19	0.08	0.03
		5240	1.902	1.937	98.19	0.08	0.03
		5745	1.902	1.937	98.19	0.08	0.03
		5785	1.902	1.937	98.19	0.08	0.03
		5825	1.902	1.938	98.14	0.08	0.03
802.11ac (VHT40)	SISO	5190	0.938	0.972	96.50	0.15	0.00
		5230	0.937	0.972	96.40	0.16	0.00
		5755	0.938	0.972	96.50	0.15	0.00
		5795	0.937	0.972	96.40	0.16	0.00
802.11ac (VHT80)	SISO	5210	0.457	0.492	92.89	0.32	0.07
		5775	0.457	0.492	92.89	0.32	0.00

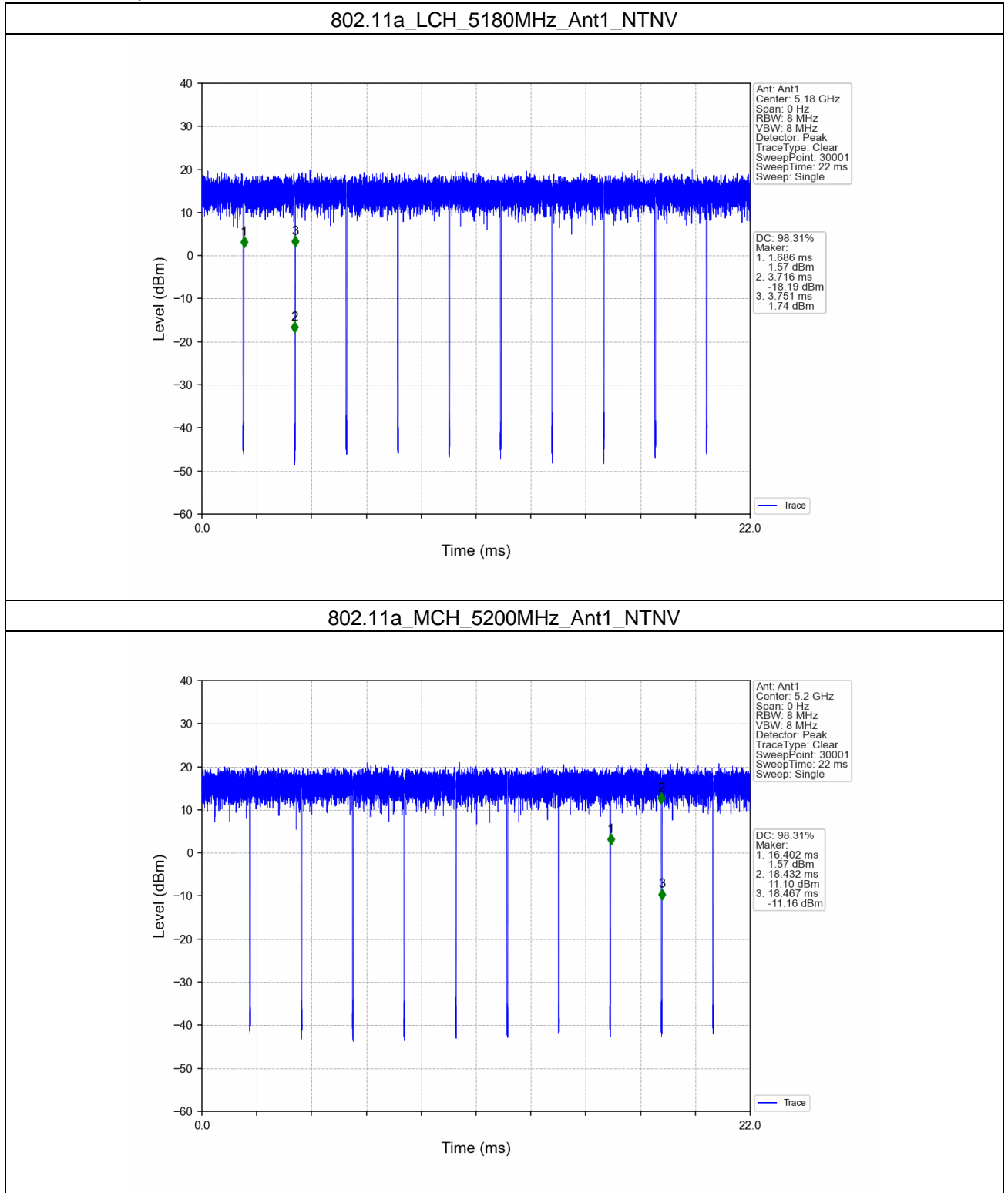


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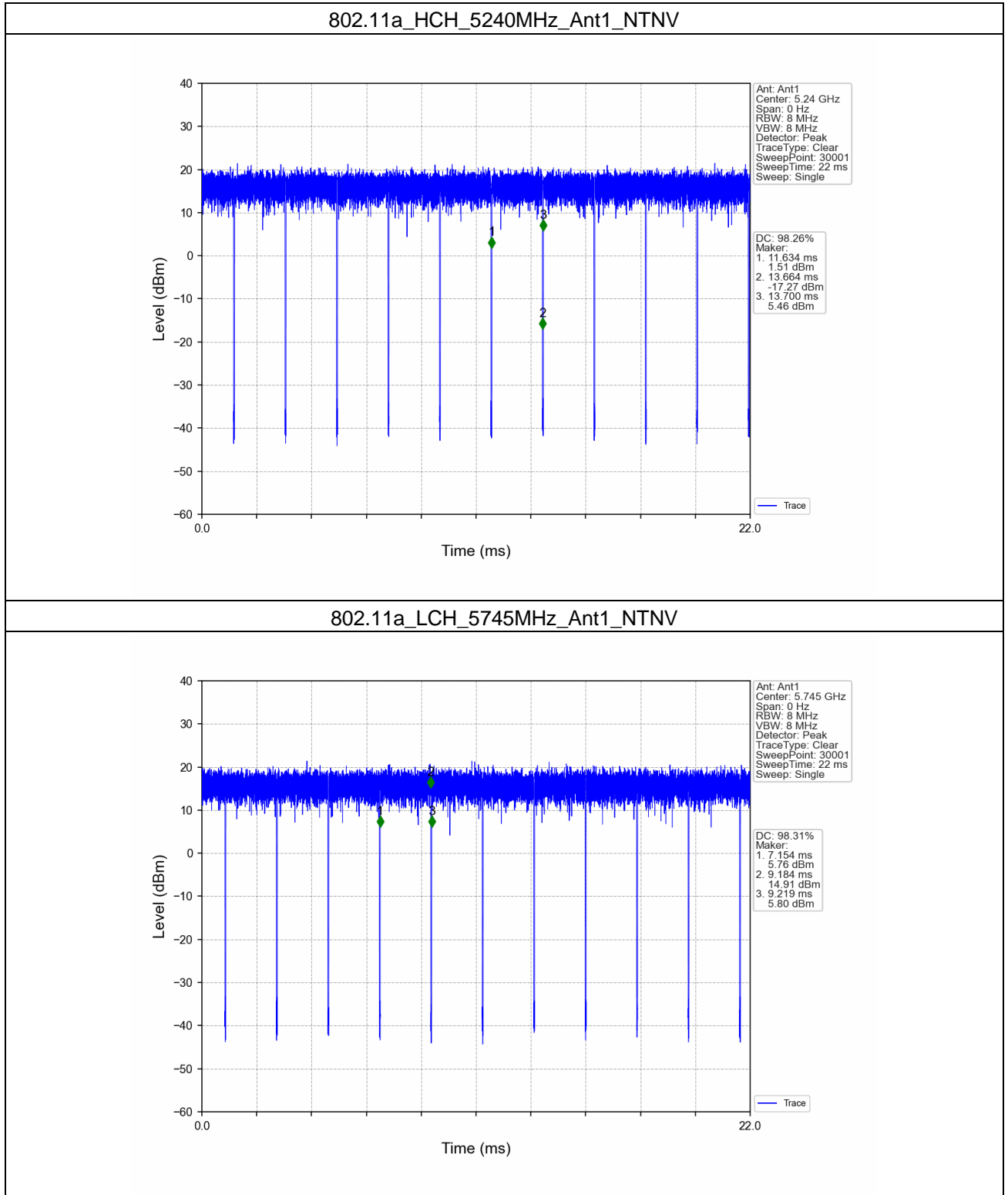


### 1.1.2 Test Graph



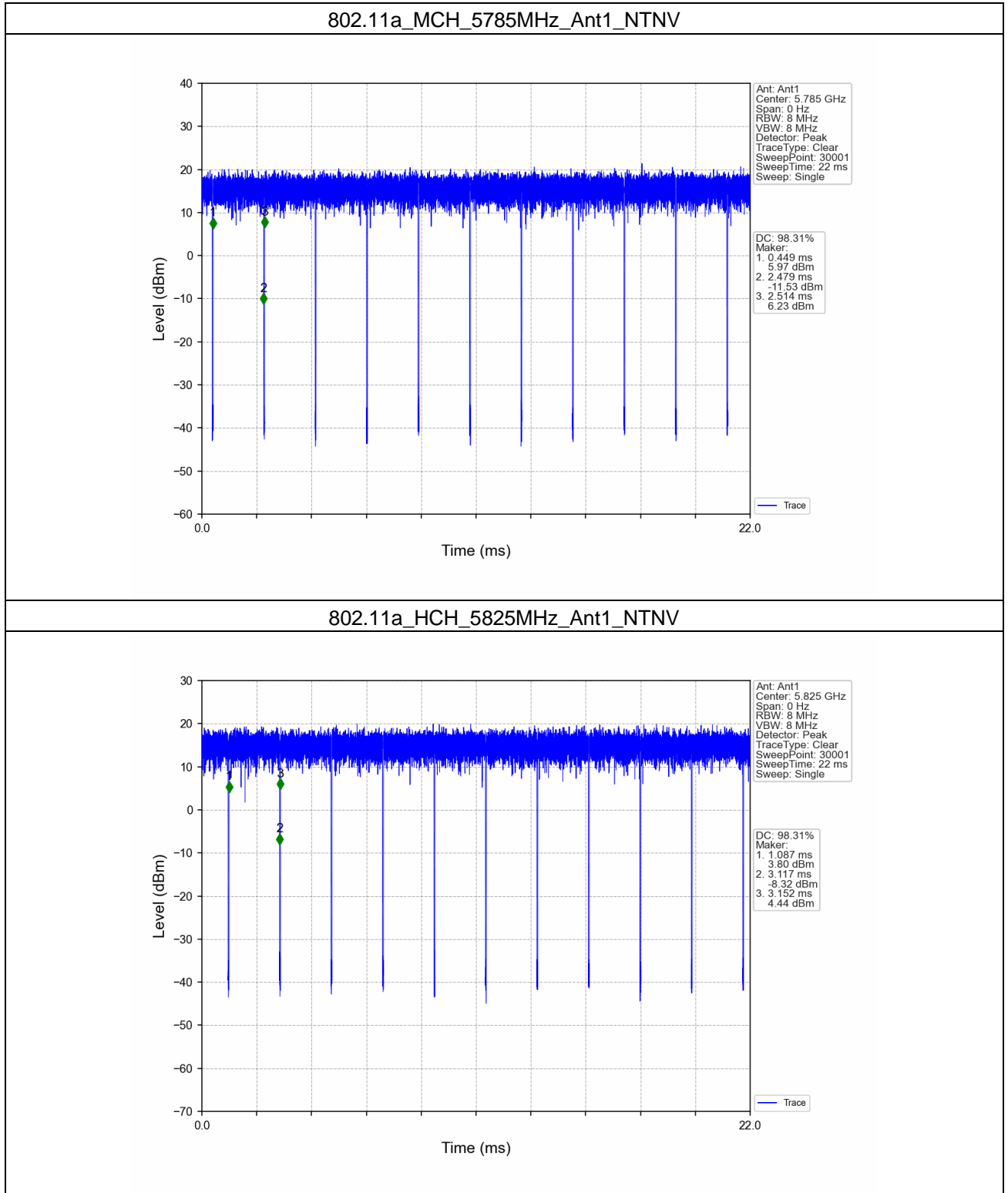
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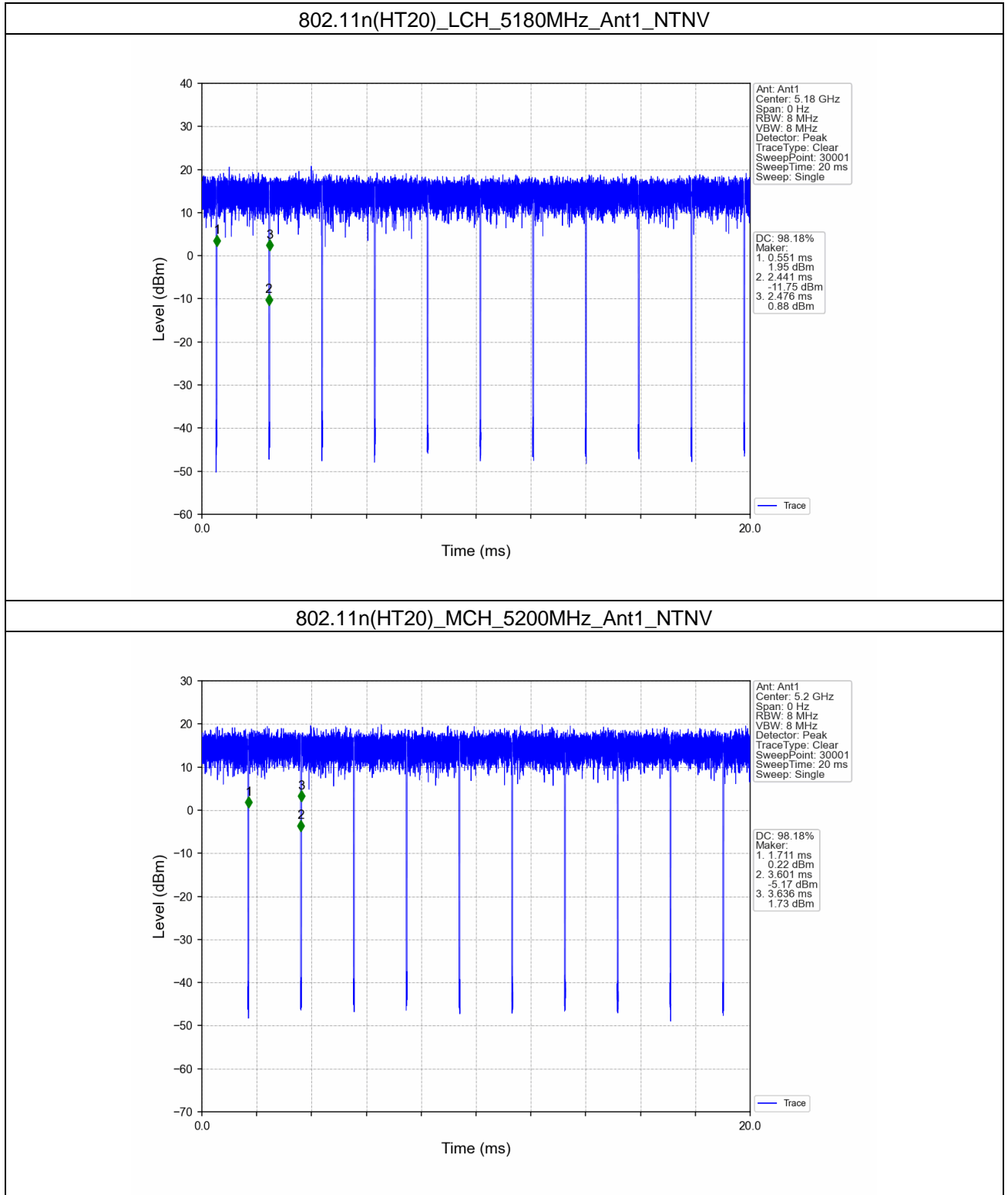
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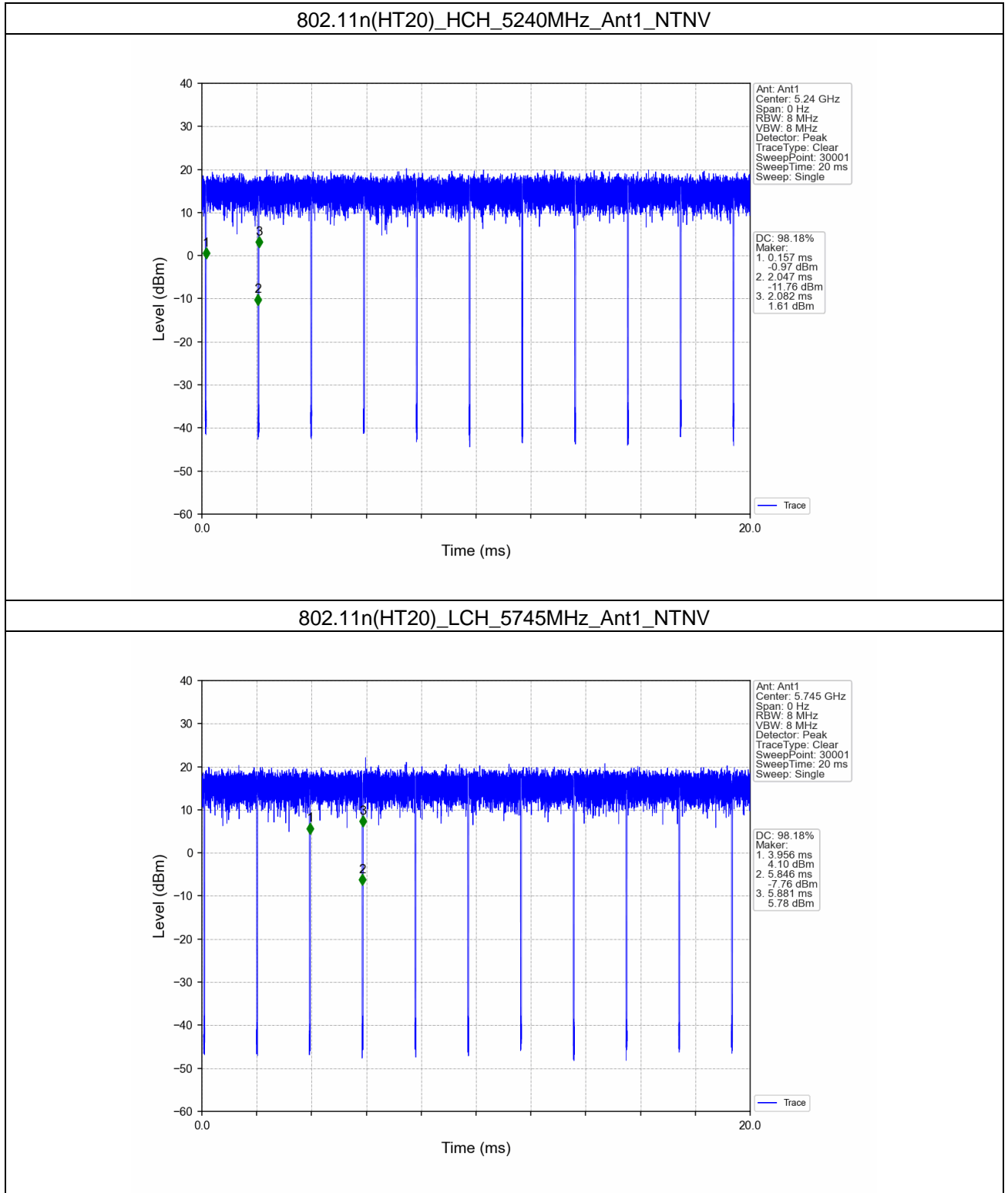
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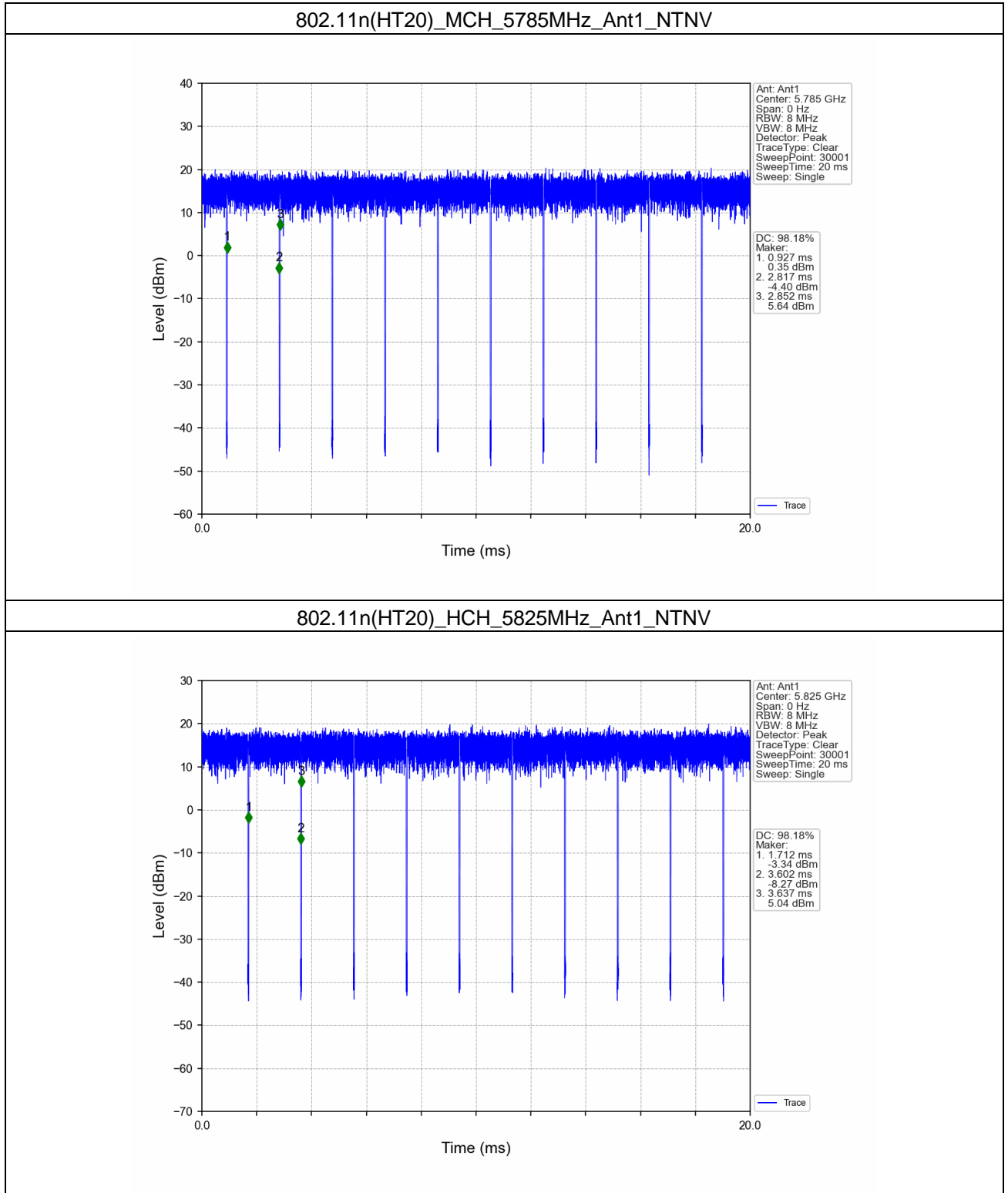
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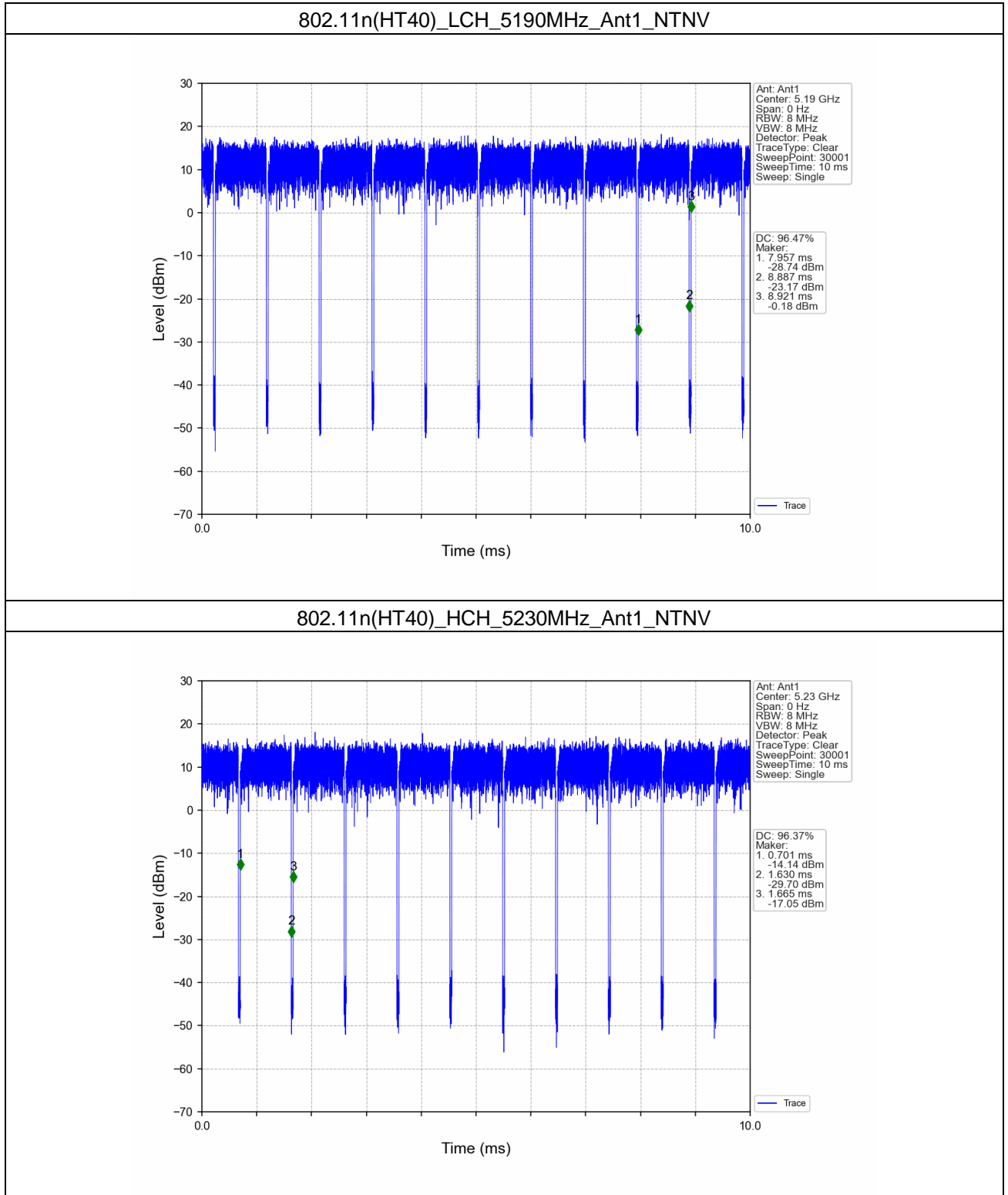
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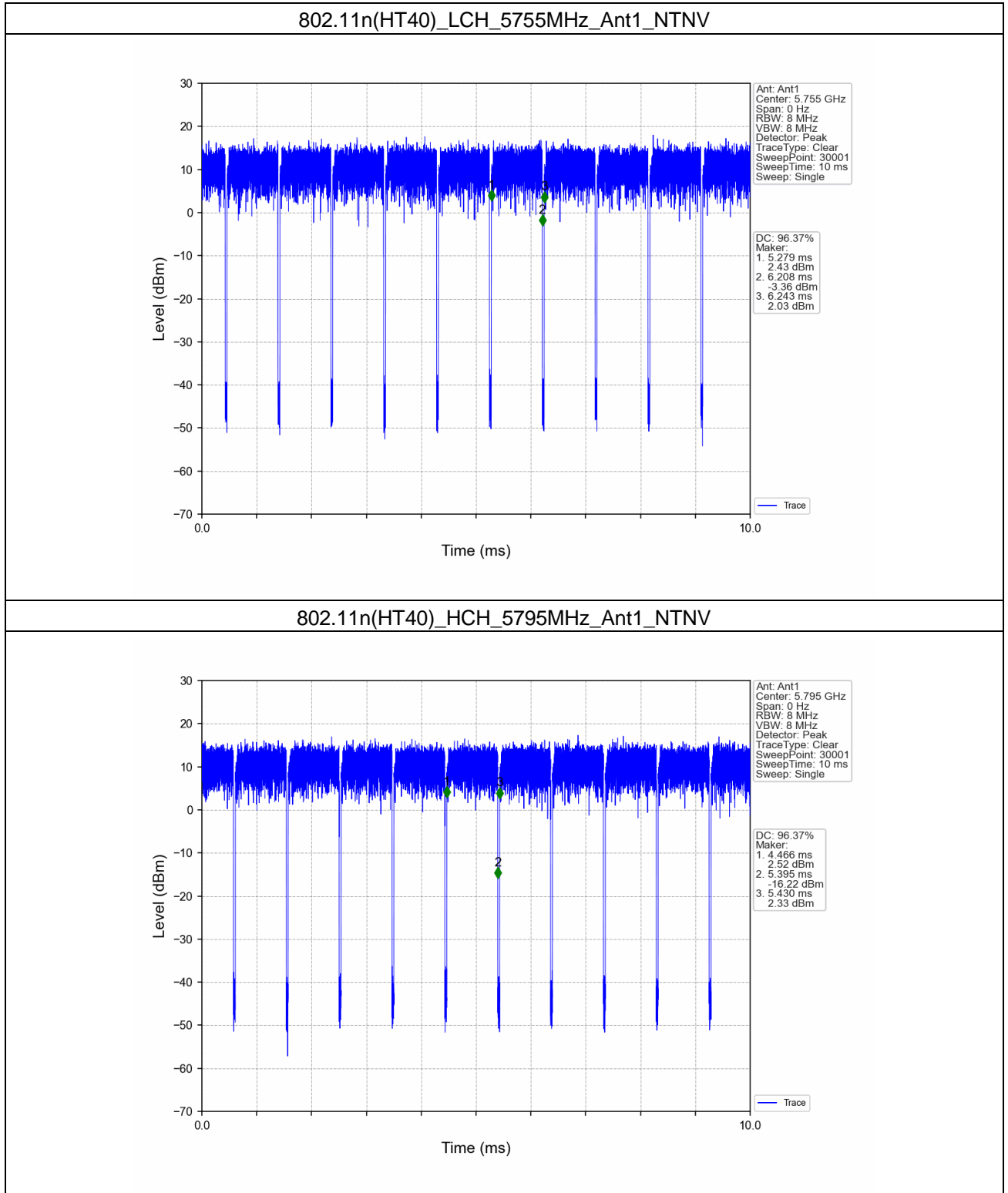
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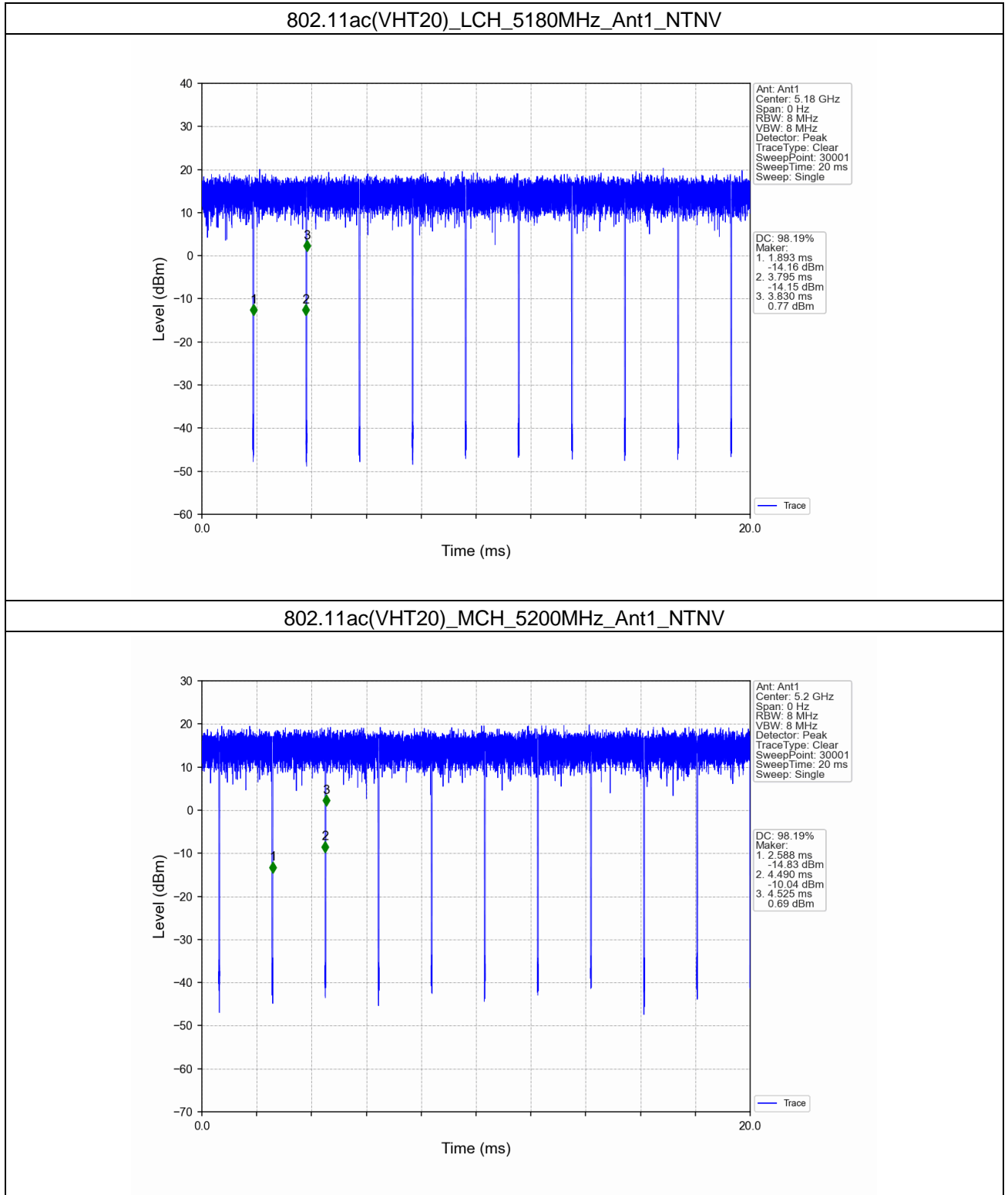
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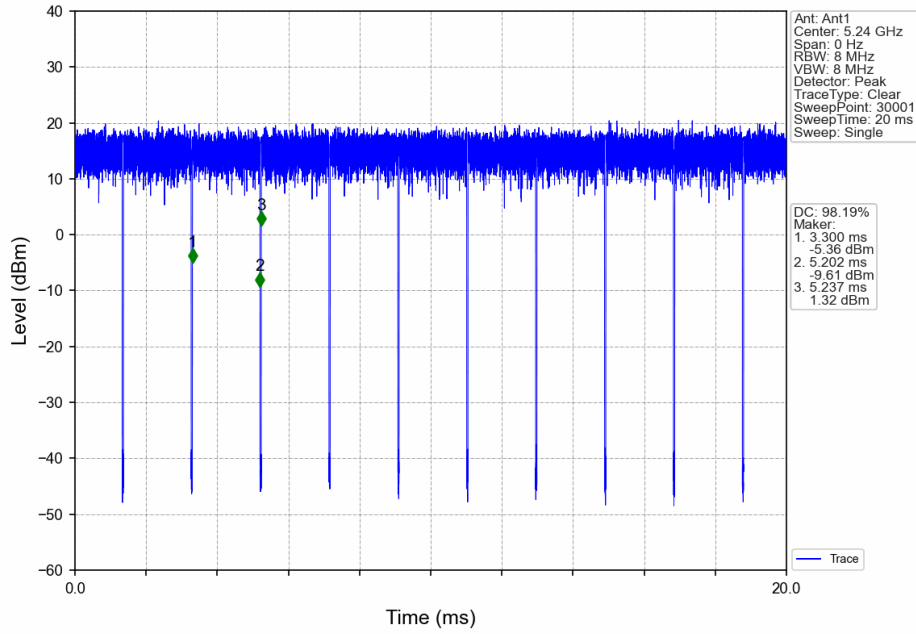




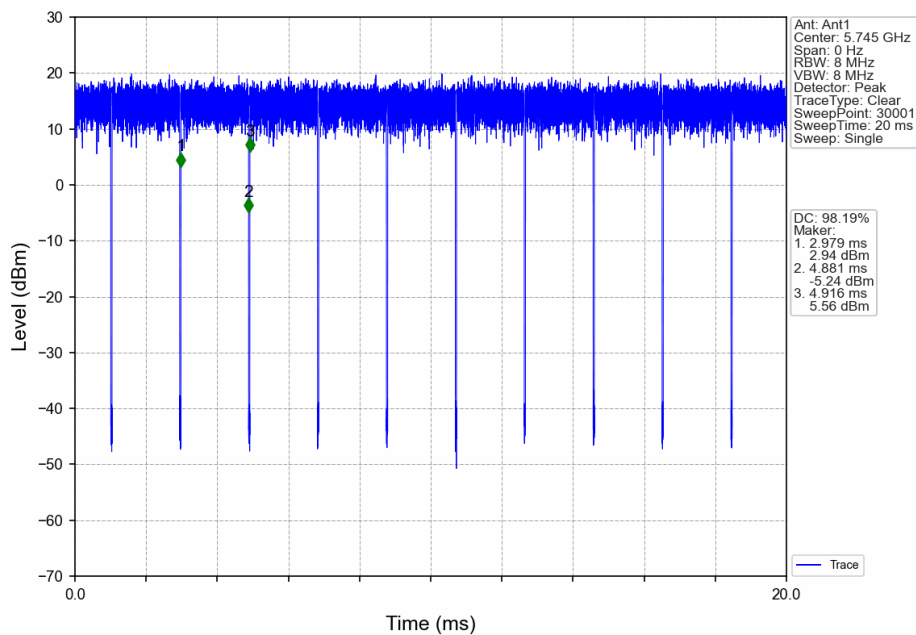
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802.11ac(VHT20)\_HCH\_5240MHz\_Ant1\_NTNV

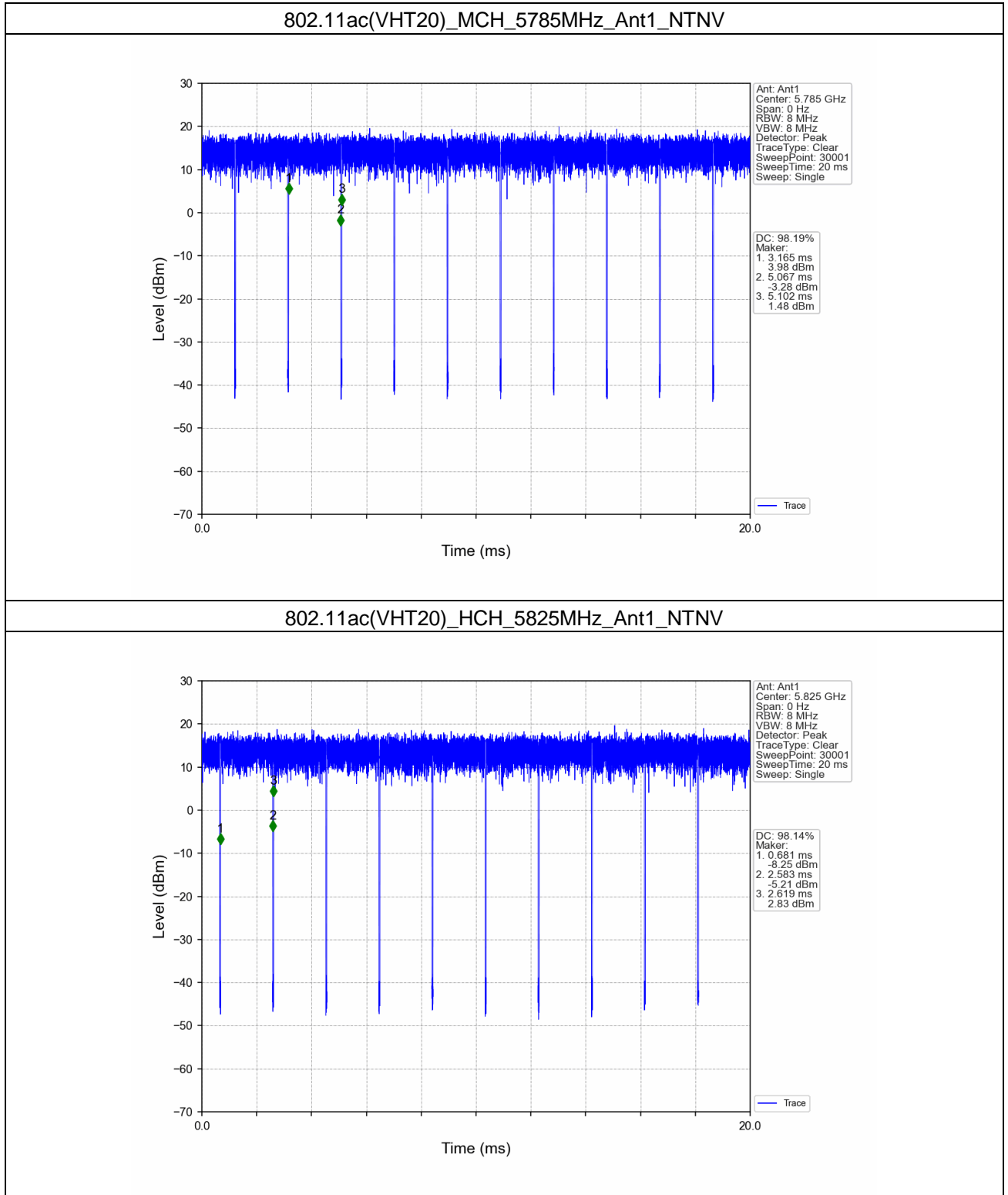


802.11ac(VHT20)\_LCH\_5745MHz\_Ant1\_NTNV



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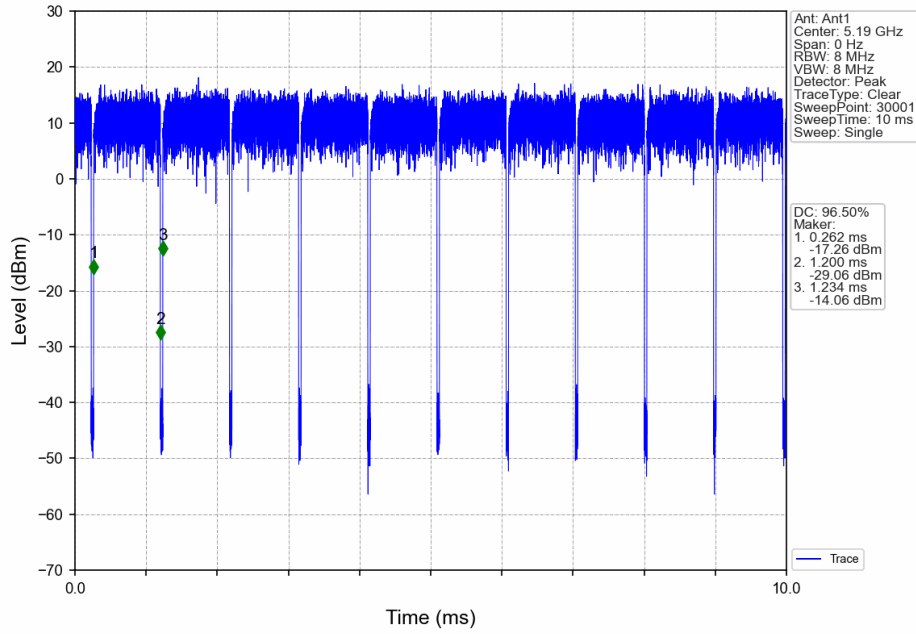
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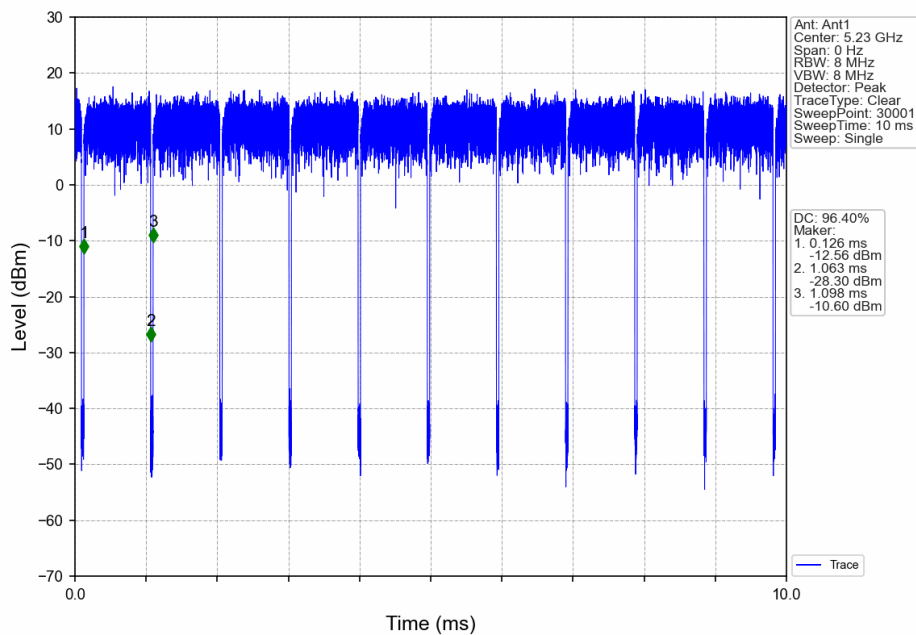
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802.11ac(VHT40)\_LCH\_5190MHz\_Ant1\_NTNV

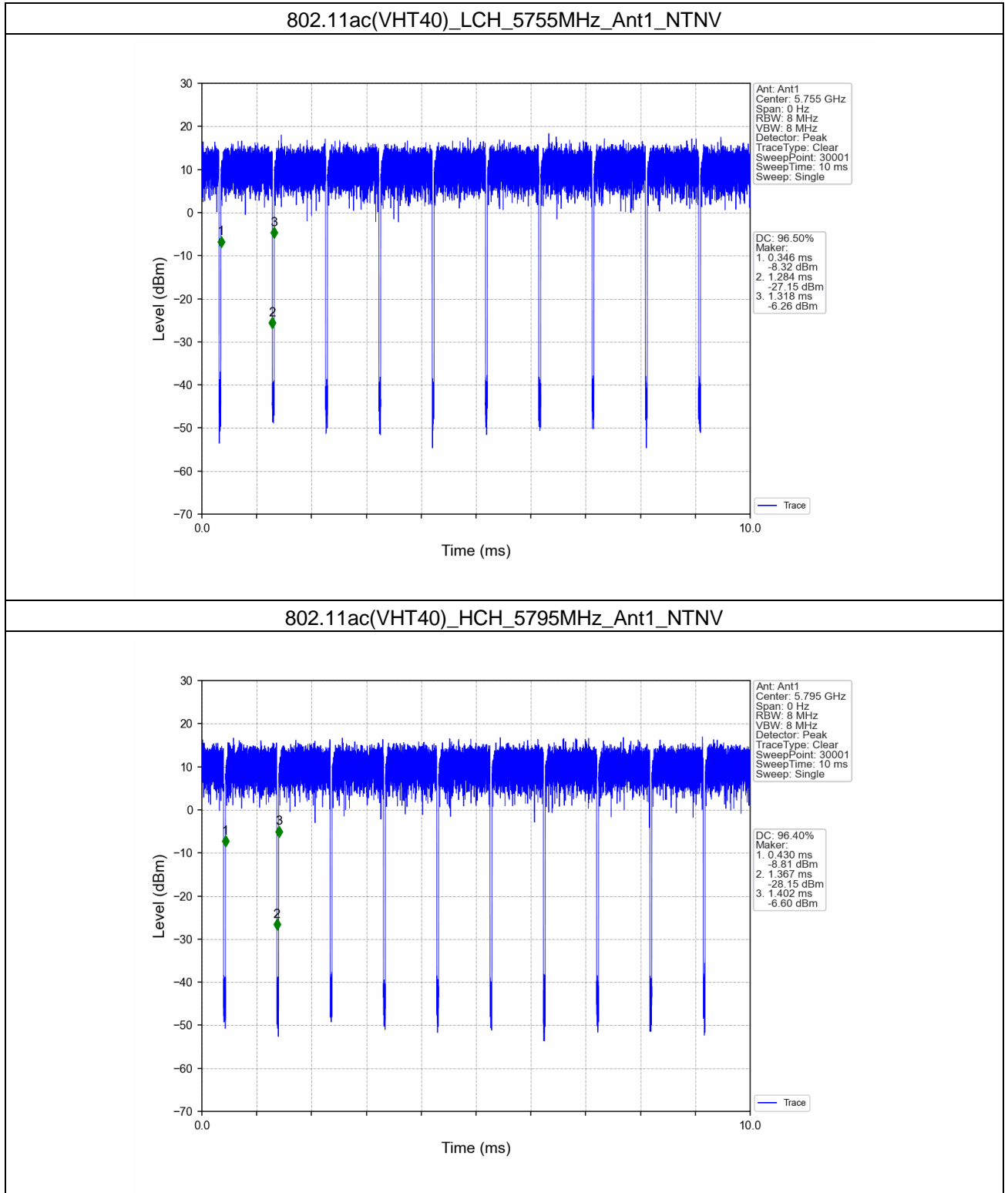


802.11ac(VHT40)\_HCH\_5230MHz\_Ant1\_NTNV



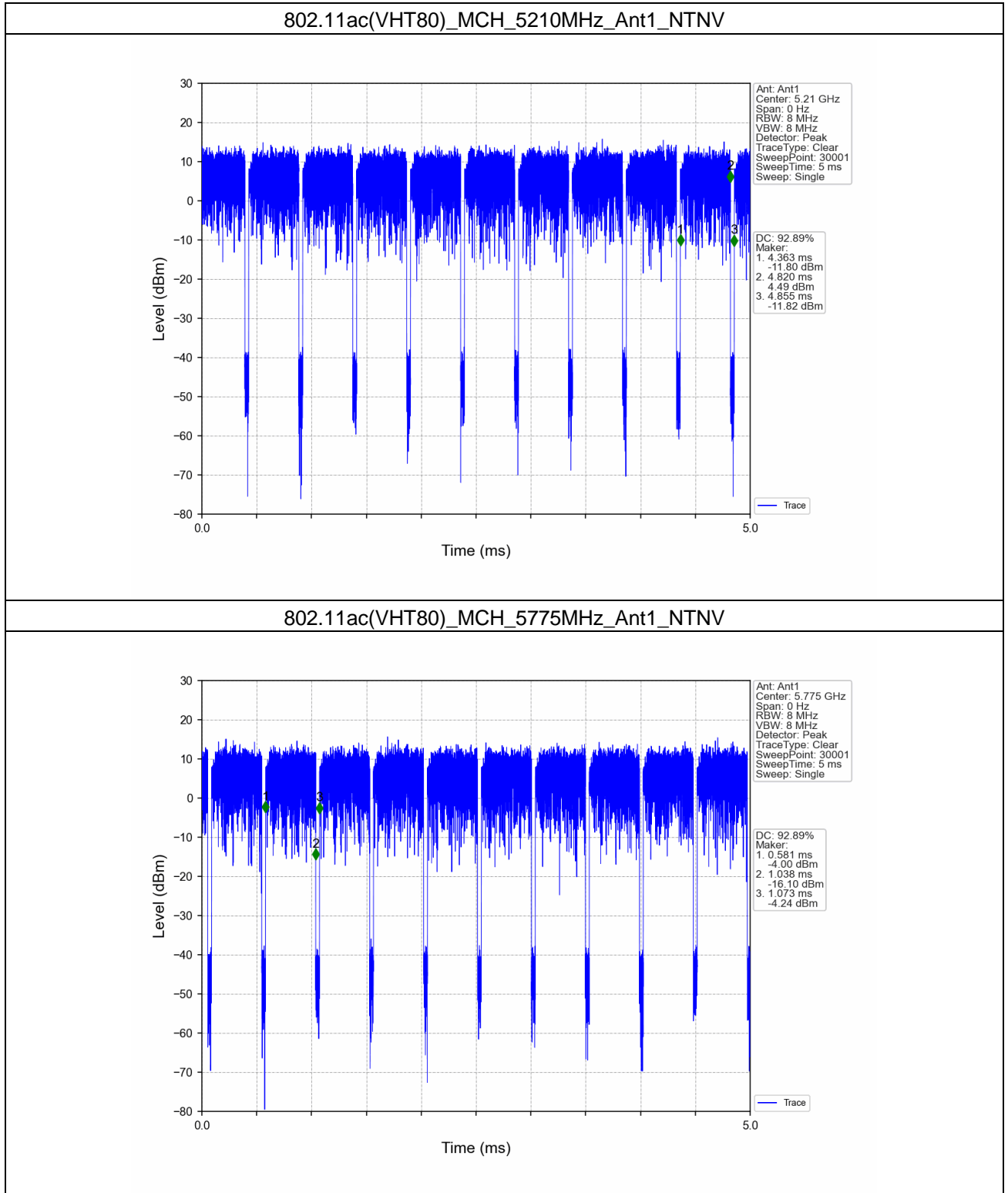
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## 2. Bandwidth

### 2.1 6dB BW

#### 2.1.1 Test Result

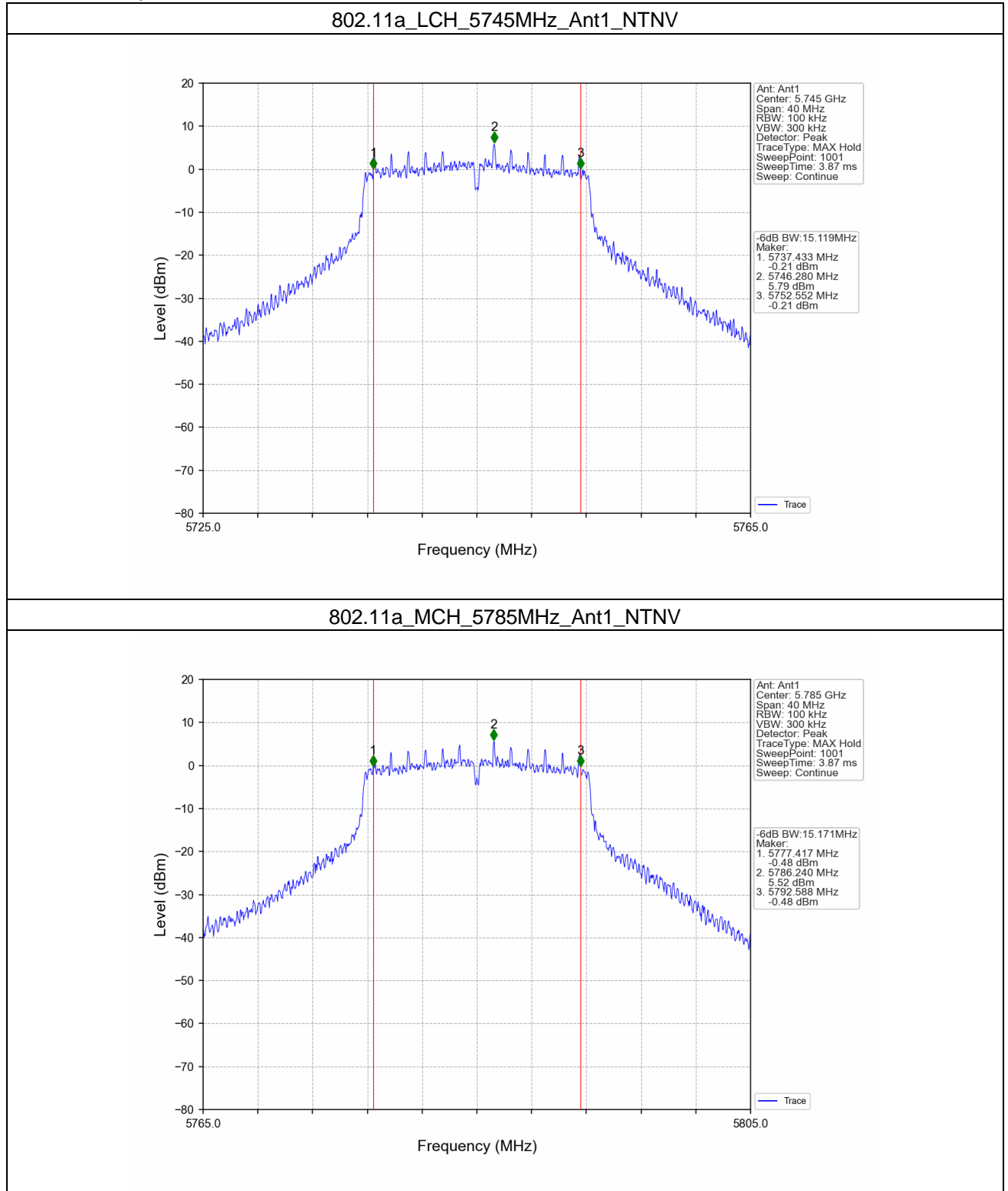
Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	15.119	>=0.5	Pass
		5785	1	15.171	>=0.5	Pass
		5825	1	15.447	>=0.5	Pass
802.11n (HT20)	SISO	5745	1	16.254	>=0.5	Pass
		5785	1	15.165	>=0.5	Pass
		5825	1	15.511	>=0.5	Pass
802.11n (HT40)	SISO	5755	1	35.748	>=0.5	Pass
		5795	1	35.181	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	1	15.163	>=0.5	Pass
		5785	1	15.975	>=0.5	Pass
		5825	1	15.177	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	1	35.759	>=0.5	Pass
		5795	1	35.536	>=0.5	Pass
802.11ac (VHT80)	SISO	5775	1	75.158	>=0.5	Pass



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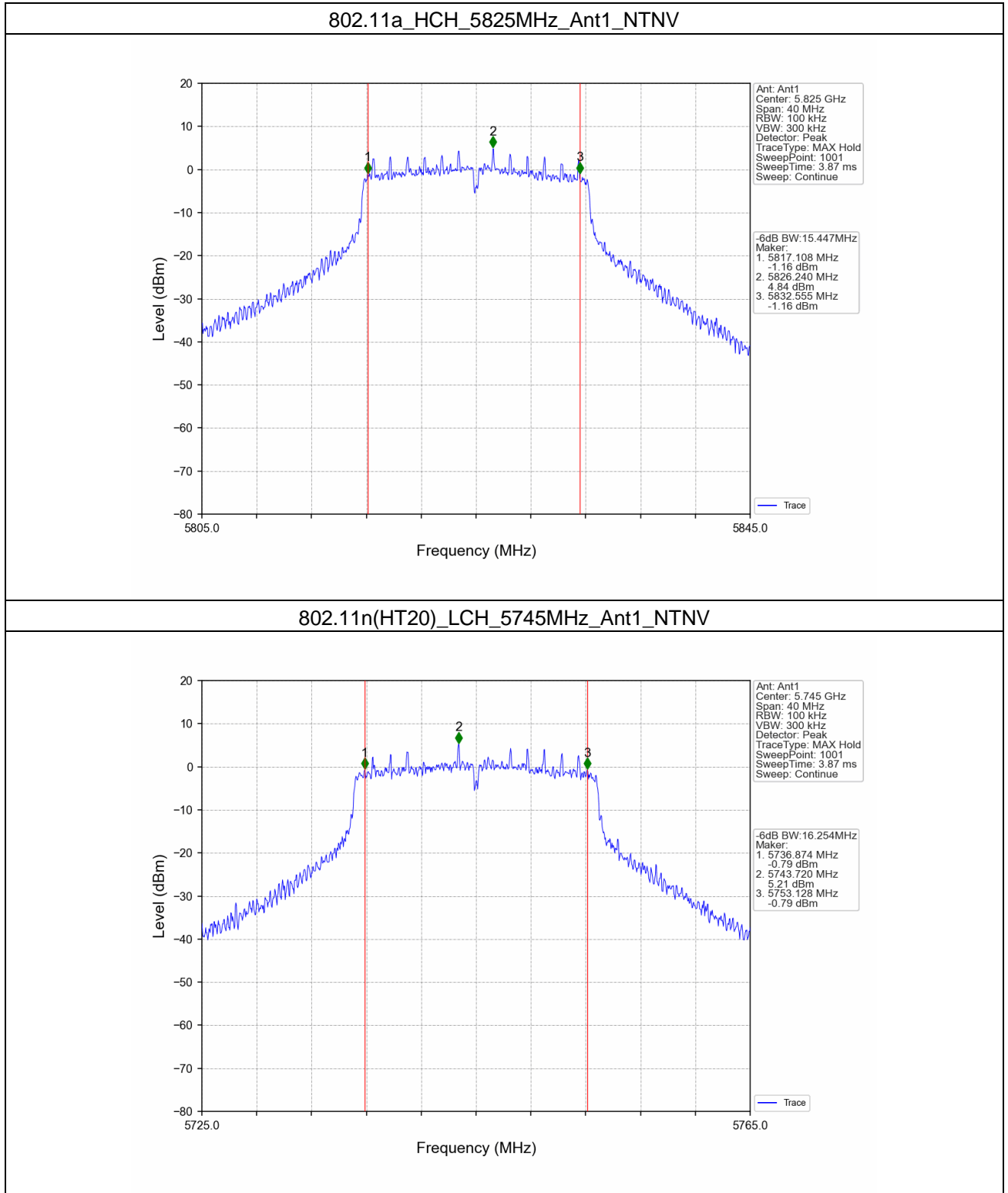
### 2.1.2 Test Graph



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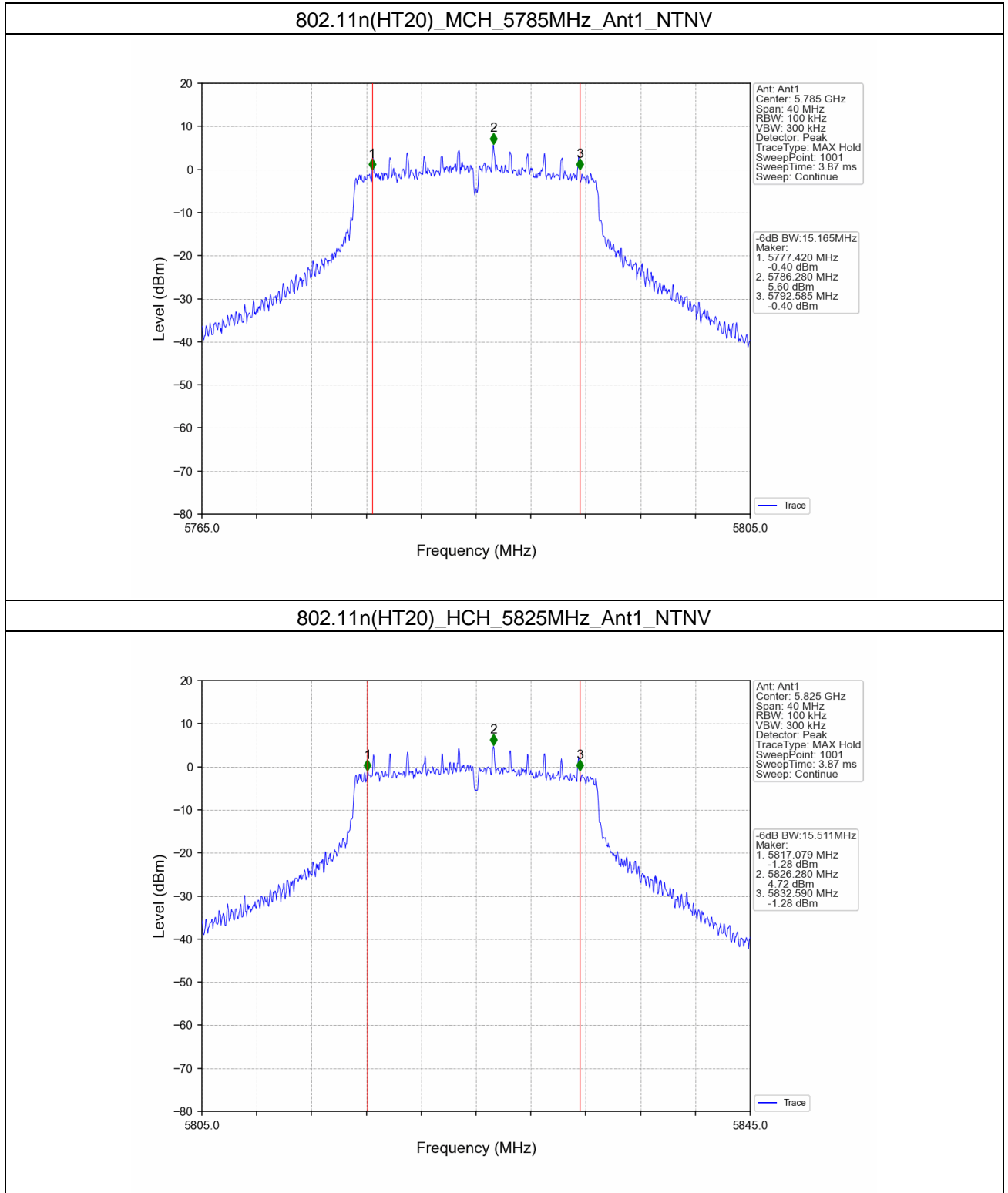
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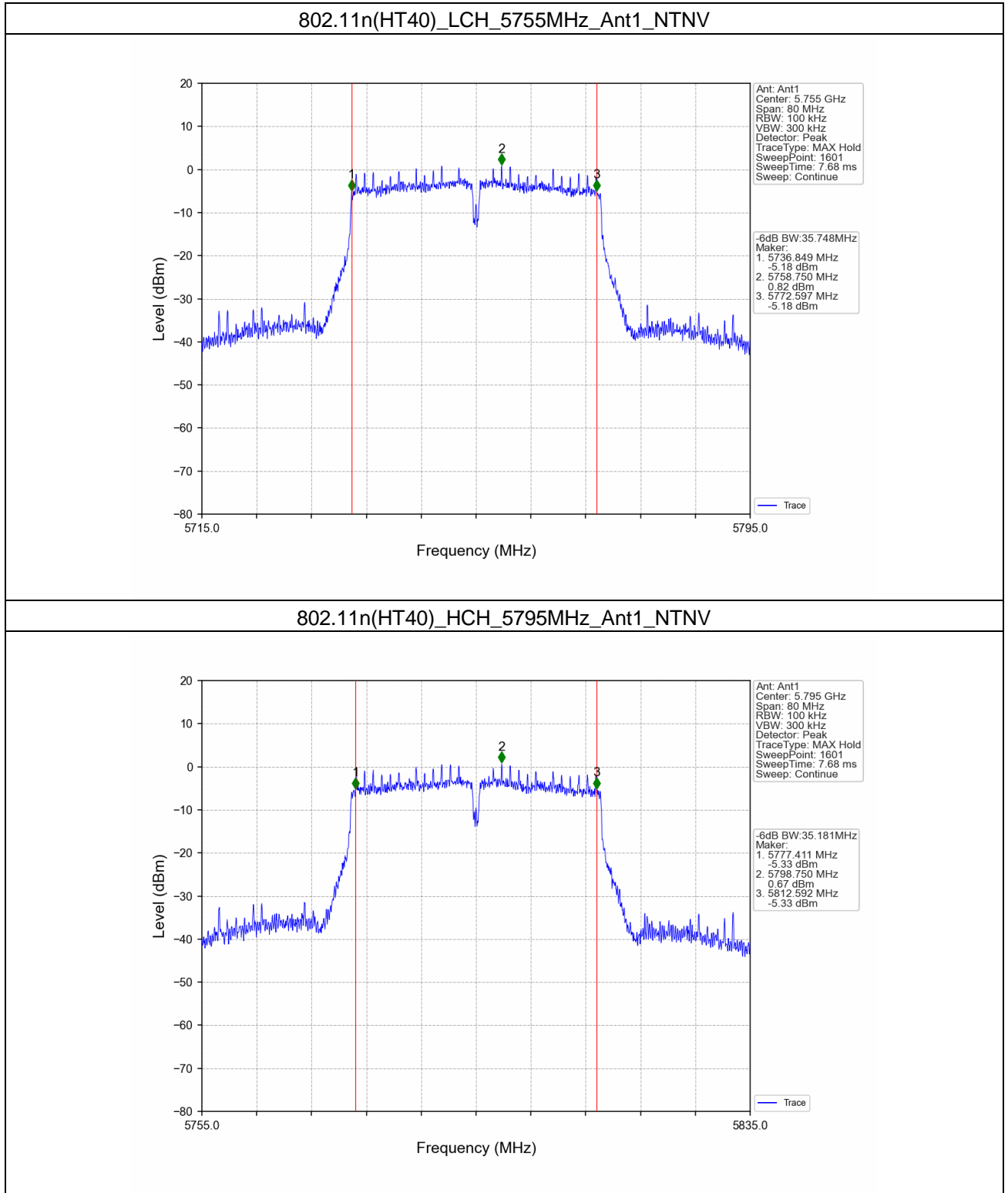
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