TEST REPORT

Application No.:	SZCR2304000912AT
Applicant:	KanDao Technology Co., Ltd.
Address of Applicant:	503, Building 1, Dayun Soft Parts Town, 8288 Longgang Avenue, Yuanshan Street, Longgang District, Shenzhen, China
Manufacturer:	KanDao Technology Co., Ltd.
Address of Manufacturer:	503, Building 1, Dayun Soft Parts Town, 8288 Longgang Avenue, Yuanshan Street, Longgang District, Shenzhen, China
Factory:	L Lab Corporation(Hui Zhou) Limited
Address of Factory:	West Wing, 2/F, Factory Building A, No.13 of JinDa Road, HuiNan High-Tech industrial Park Hui'Ao Avenue, HuiZhou City, GuangDong Province, P.R.China
Equipment Under Test (EUT):	
EUT Name:	Kandao Meeting Ultra Kandao Meeting Ultra Standard
Model No.:	MT1001, MT1002 ♣
♣	Please refer to section 2 of this report which indicates which model was actual tested and which were electrically identical.
Trade Mark:	KanDao
FCC ID:	2ATPV-KDUL
Standard(s) :	47 CFR Part 15, Subpart E 15.407
Date of Receipt:	2023-04-03
Date of Test:	2023-04-07 to 2023-04-18
Date of Issue:	2023-04-24
Test Result:	**Pass***

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

Keny Xu
EMC Laboratory Manager

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Revision Record				
Version	**Chapter**	**Date**	**Modifier**	**Remark**
01		2023-04-24		Original

Authorized for issue by:				
		Leo Li **Leo Li/Project Engineer**		
		Eric Fu **Eric Fu/Reviewer**		

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2 Test Summary

Radio Spectrum Technical Requirement				
Item	**Standard**	**Method**	**Requirement**	**Result**
Antenna Requirement	47 CFR Part 15, Subpart E 15.407	N/A	47 CFR Part 15, Subpart C 15.203	Pass
Transmission in the Absence of Data		N/A	47 CFR Part 15, Subpart E 15.407 (c)	Pass

Radio Spectrum Matter Part				
Item	**Standard**	**Method**	**Requirement**	**Result**
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart E 15.407	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(9)	Pass
Duty Cycle		KDB 789033 II B 1	KDB 789033 D02 II B 1	Pass
99% Bandwidth		KDB 789033 II D	N/A	Pass
26dB Emission bandwidth		KDB 789033 D02 II C 1	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Maximum Conducted output power		KDB 789033 D02 II E	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Peak Power spectrum density		KDB 789033 D02 II F	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Radiated Emissions (Above 1GHz)		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Radiated Emissions which fall in the restricted bands		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Frequency Stability		ANSI C63.10 (2013) Section 6.8	47 CFR Part 15, Subpart E 15.407 (g)	Pass
Radiated Emissions (Below 1GHz)		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass

Declaration of EUT Family Grouping:

Model No.: MT1001, MT1002

Only the model MT1001 was tested fully, and the model MT1002 was performed the Radiated Spurious Emissions Below 1GHz test for discrepancy. Since according to the declaration from the applicant, the electrical circuit design, PCB layout, components used and internal wiring and functions were identical for the above models, with only difference on model MT1001 has a touch display and model MT1002 doesn't.

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4 General Information

4.1 Details of E.U.T.

Power supply:	DC 15V from adapter input AC 120V/60Hz Adapter Model: ADT-65NS-D00 Input: 100-240V~1.6A 50/60Hz Output: 5.0V ⎓3.0A 15.0W or 9.0V ⎓3.0A 27.0W or 12.0V ⎓5.0A 60.0W or 15.0V ⎓4.33 A 64.95W or 20.0V ⎓3.25A 65.0W PoE 44~58V ⎓1A(IEEE802.3bt) 3V DC (1.5Vx2"AAA" Size Batteries) for remote controller
Cable(s):	USB-C cable: 150cm shielded Adapter AC cable: 150cm unshielded Adapter DC cable: 180cm shielded
Operation Frequency/Number of channels (20MHz):	U-NII-1: 5180-5240MHz (4 Channels)
Operation Frequency/Number of channels/(40MHz):	U-NII-1: 5190-5230MHz (2 Channels)
Operation Frequency/Number of channels (80MHz):	U-NII-1: 5210MHz (1 Channel)
Modulation Type:	802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK); 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM); 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM) 802.11ax: OFDMA(16QAM, 64QAM, 256QAM, 1024QAM, QPSK, BPSK)
Channel Spacing:	802.11a/n(HT20)/ac(VHT20)/ax(HEW20): 20MHz; 802.11n(HT40)/ac(VHT40)/ax(HEW40): 40MHz; 802.11ac(VHT80)/ax(HEW80): 80MHz
DFS Function:	Without DFS function
TPC Function:	Without TPC function
Antenna Type:	FPC Antenna
Antenna Gain:	ANT 1:3.88dBi; ANT2: 3.88dBi

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4.2 Description of Support Units

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

4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at AC Power Line (150kHz-30MHz)	± 3.0dB (150kHz to 30MHz)
Duty Cycle	± 0.37%
99% Bandwidth	± 3%
26dB Emission bandwidth	± 3%
Maximum Conducted output power	± 0.75dB
Peak Power spectrum density	± 2.84dB
Radiated Emissions (Above 1GHz)	± 4.8dB
Radiated Emissions which fall in the restricted bands	± 4.5dB (below 1GHz); ± 4.8dB (above 1GHz);
Frequency Stability	± 7.25 x 10-8
Radiated Emissions (Below 1GHz)	± 4.5dB
Remark: The U_{lab} (lab Uncertainty) is less than $U_{cispr/ETSI}$ (CISPR/ETSI Uncertainty), so the test results – compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit; – non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.	

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4.4 Test Location

All tests were performed at:

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No tests were sub-contracted.

4.5 Test Facility

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

• A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

• VCCI (Member No. 1937)

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen EMC laboratory have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

• FCC –Designation Number: CN1336

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1336. Test Firm Registration Number: 787754.

• Innovation, Science and Economic Development Canada

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.

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	ZhongYu Electron	GB-88	SEM001-06	2022-05-14	2025-05-13
EMI Test Receiver	Rohde&Schwarz	ESCI	SEM004-02	2023-03-20	2024-03-19
Matching Pad	N/A	N/A	SEM021-23	2023-03-22	2024-03-21
Matching Pad	N/A	N/A	SEM021-24	2023-03-22	2024-03-21
Measurement Software	AUDIX	e3 V8.2014-6-27a	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2022-07-08	2023-07-07
LISN	Rohde&Schwarz	ENV216	SEM007-01	2022-09-20	2023-09-19
LISN	ETS-LINDGREN	3816/2	SEM007-02	2023-03-20	2024-03-19

Duty Cycle					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2022-10-20	2023-10-19
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2022-09-29	2023-09-28
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2022-07-08	2023-07-07
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2023-03-31	2024-03-30
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2023-03-21	2024-03-20

99% Bandwidth					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2022-10-20	2023-10-19
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2022-09-29	2023-09-28
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2022-07-08	2023-07-07
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2023-03-31	2024-03-30
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2023-03-21	2024-03-20

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26dB Emission bandwidth					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2022-10-20	2023-10-19
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2022-09-29	2023-09-28
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2022-07-08	2023-07-07
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2023-03-31	2024-03-30
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2023-03-21	2024-03-20

Maximum Conducted output power					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2022-10-20	2023-10-19
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2022-09-29	2023-09-28
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2022-07-08	2023-07-07
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2023-03-31	2024-03-30
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2023-03-21	2024-03-20

Peak Power spectrum density					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2022-10-20	2023-10-19
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2022-09-29	2023-09-28
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2022-07-08	2023-07-07
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2023-03-31	2024-03-30
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2023-03-21	2024-03-20

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Radiated Emissions (Above 1GHz)					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2022-04-02	2025-04-01
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2023-03-20	2024-03-19
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2022-07-24	2024-07-23
Microwave system amplifier	Agilent	83017A	SEM005-25	2022-09-21	2023-09-20
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2022-07-08	2023-07-07

Radiated Emissions which fall in the restricted bands					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2022-04-02	2025-04-01
Signal Analyzer	Rohde & Schwarz	FSV40	SEM008-04	2023-03-20	2024-03-19
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2022-07-24	2024-07-23
Microwave system amplifier	Agilent	83017A	SEM005-25	2022-09-21	2023-09-20
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2022-07-08	2023-07-07

Frequency Stability					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2022-10-20	2023-10-19
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2023-03-21	2024-03-20
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2022-09-29	2023-09-28
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2022-07-08	2023-07-07
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2023-03-31	2024-03-30
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2023-03-21	2024-03-20

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Radiated Emissions (Below 1GHz)					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
Loop Antenna	ETS-Lindgren	6502	SEM003-08	2021-11-30	2023-11-29
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2020-07-19	2023-07-18
MXE EMI Receiver	Agilent Technologies	N9038A	SEM004-15	2022-10-20	2023-10-19
BiConiLog Antenna	ETS-LINDGREN	3142C	SEM003-01	2021-09-17	2023-09-16
Pre-Amplifier	Agilent Technologies	8447D	SEM005-01	2023-03-20	2024-03-19
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2022-07-08	2023-07-07

General used equipment					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
Humidity/ Temperature Indicator	Mingle	N/A	SEM002-08	2022-09-04	2023-09-03
Humidity/ Temperature Indicator	Anymetre	TH101B	SEM002-09	2022-09-04	2023-09-03
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2023-03-23	2024-03-22

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

15.247(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is ANT 1:3.88dBi; ANT2: 3.88dBi.

Antenna location: Refer to internal photo.

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6.2 Transmission in the Absence of Data

6.2.1 Test Requirement:

47 CFR Part 15, Subpart E 15.407 (c)

6.2.2 Conclusion

6.2.2 Conclusion

Standard Requirement:

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

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

EUT Details:

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

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7 Radio Spectrum Matter Test Results

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

Test Requirement 47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(9)

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

Limit:

Frequency of emission(MHz)	Conducted limit(dB μV)	
	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: 23.2 °C Humidity: 50.5 % RH Atmospheric Pressure: 1010 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	27	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), data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW80), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.

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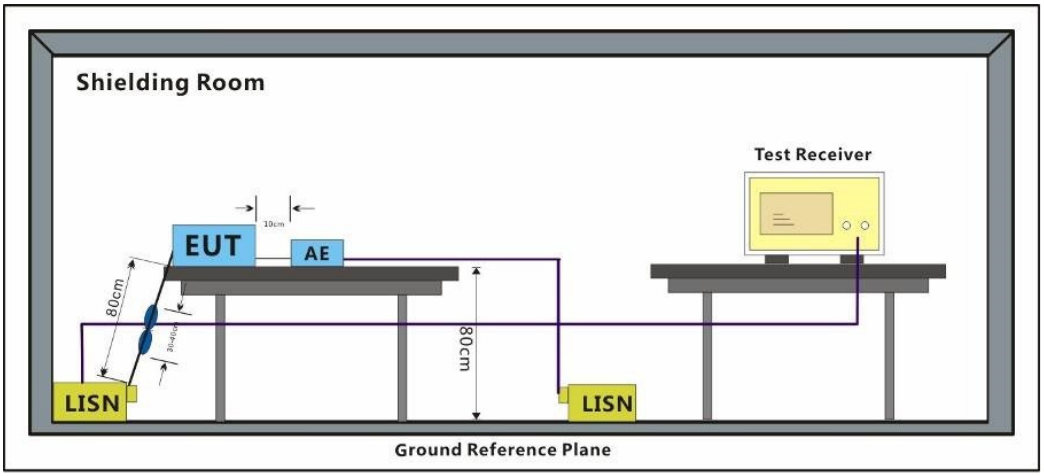
7.1.3 Test Setup Diagram



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

Remark 2: all models have been tested and only the worst case of MT1001 was recorded in this report.

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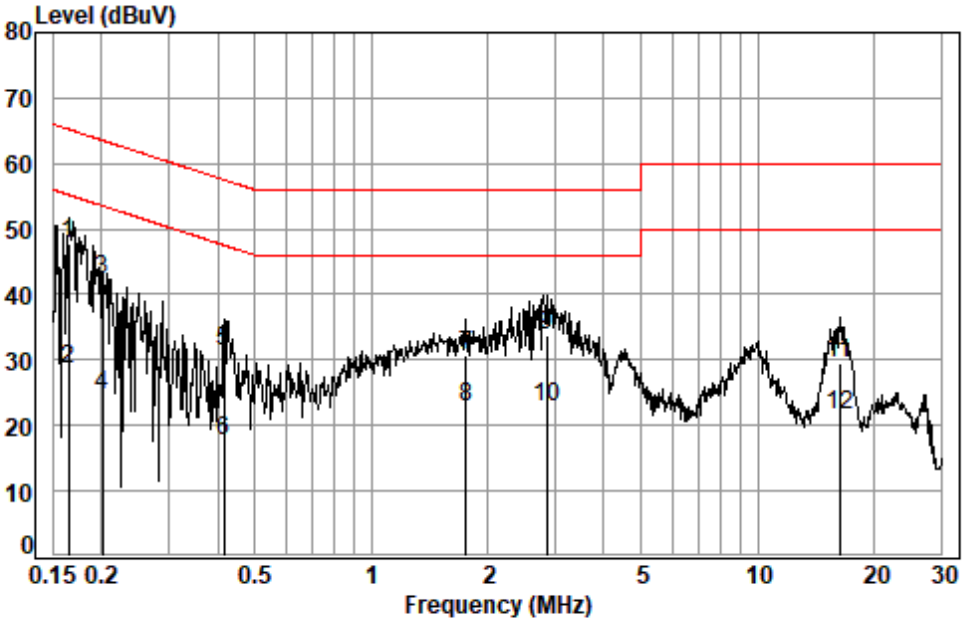
Test Mode: 27; Line: Live line



Site : Shielding Room
Condition: Line
Job No. : 00912AT
Test mode: 27

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1 *	0.1650	0.03	9.62	38.02	47.67	65.21	-17.54	QP
2	0.1650	0.03	9.62	18.79	28.44	55.21	-26.77	Average
3	0.2018	0.04	9.62	32.66	42.32	63.54	-21.22	QP
4	0.2018	0.04	9.62	15.09	24.75	53.54	-28.79	Average
5	0.4148	0.05	9.62	21.57	31.24	57.55	-26.31	QP
6	0.4148	0.05	9.62	7.83	17.50	47.55	-30.05	Average
7	1.7623	0.10	9.64	21.12	30.86	56.00	-25.14	QP
8	1.7623	0.10	9.64	13.01	22.75	46.00	-23.25	Average
9	2.8541	0.12	9.65	23.95	33.72	56.00	-22.28	QP
10 *	2.8541	0.12	9.65	13.03	22.80	46.00	-23.20	Average
11	16.3118	0.18	9.87	19.52	29.57	60.00	-30.43	QP
12	16.3118	0.18	9.87	11.52	21.57	50.00	-28.43	Average

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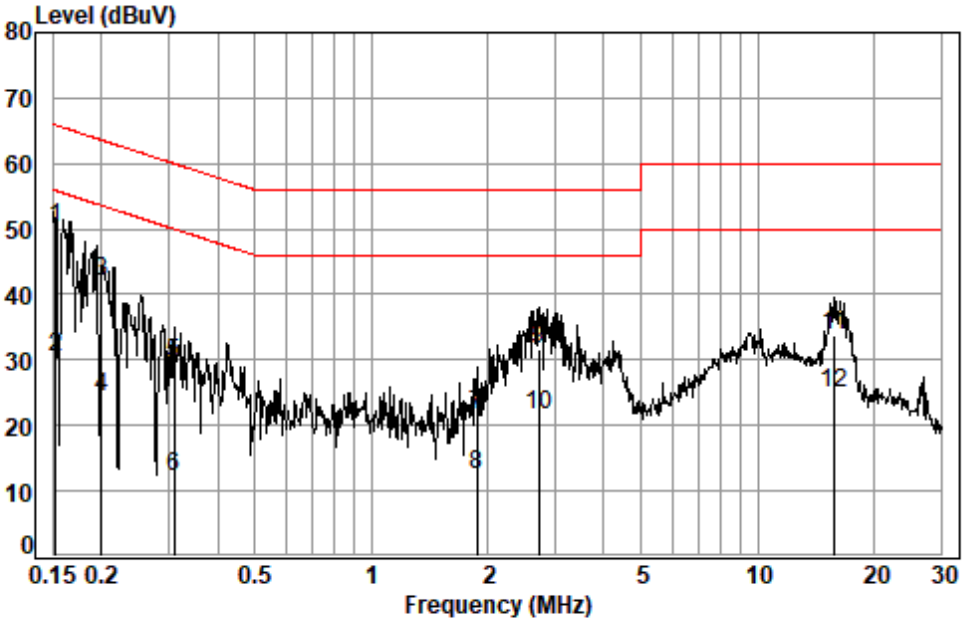
Test Mode: 27; Line: Neutral Line



Site : Shielding Room
Condition: Neutral
Job No. : 00912AT
Test mode: 27

		Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	*	0.1524	0.03	9.62	40.53	50.18	65.87	-15.69	QP
2		0.1524	0.03	9.62	20.78	30.43	55.87	-25.44	Average
3		0.2007	0.04	9.62	32.45	42.11	63.58	-21.47	QP
4		0.2007	0.04	9.62	14.71	24.37	53.58	-29.21	Average
5		0.3083	0.04	9.62	19.70	29.36	60.02	-30.66	QP
6		0.3083	0.04	9.62	2.61	12.27	50.02	-37.75	Average
7		1.8779	0.10	9.64	11.95	21.69	56.00	-34.31	QP
8		1.8779	0.10	9.64	2.69	12.43	46.00	-33.57	Average
9		2.7212	0.12	9.64	21.95	31.71	56.00	-24.29	QP
10	*	2.7212	0.12	9.64	11.75	21.51	46.00	-24.49	Average
11		15.8014	0.16	9.97	23.55	33.68	60.00	-26.32	QP
12		15.8014	0.16	9.97	14.77	24.90	50.00	-25.10	Average

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7.2 Duty Cycle

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

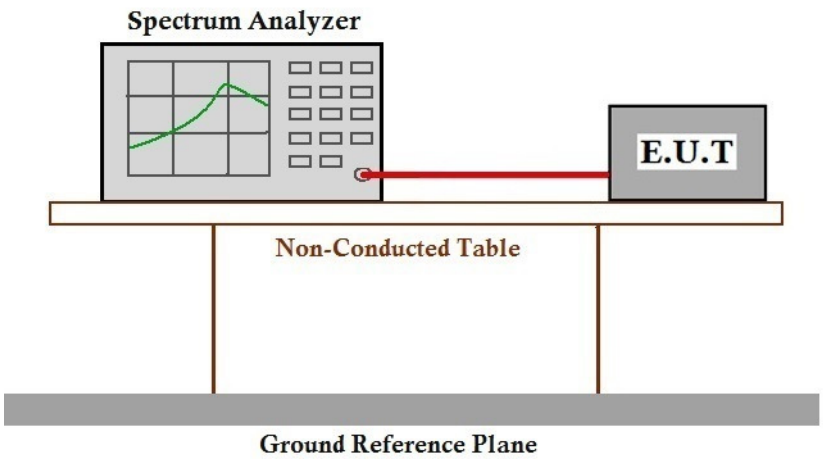
7.2.1 E.U.T. Operation

Operating Environment:
Temperature: 23.2 °C Humidity: 50.5 % RH Atmospheric Pressure: 1015 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	27	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), data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW80), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.

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

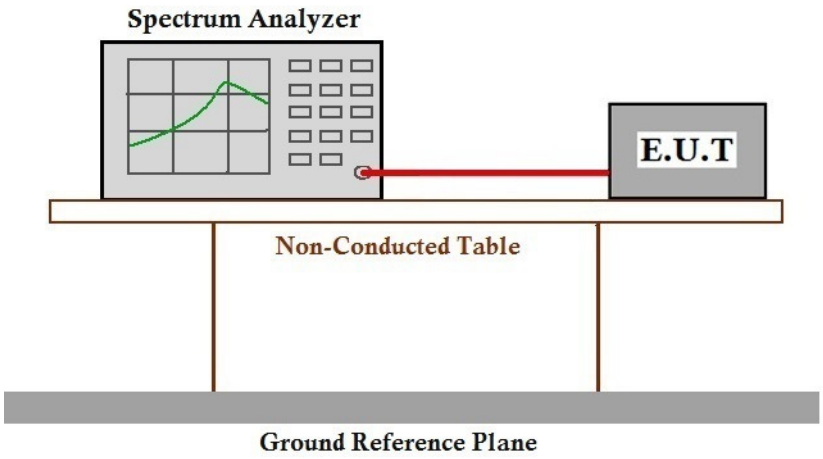
Operating Environment:

Temperature: 23.2 °C Humidity: 50.5 % RH Atmospheric Pressure: 1015 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	27	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), data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW80), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.

7.3.3 Test Setup Diagram



7.3.4 Measurement Procedure and Data

Please Refer to Appendix for Details

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7.4 26dB Emission bandwidth

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)
Test Method: KDB 789033 D02 II C 1

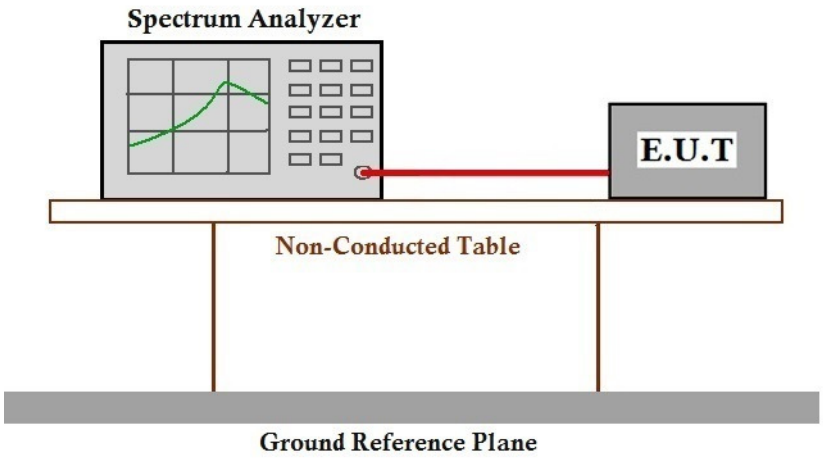
7.4.1 E.U.T. Operation

Operating Environment:
Temperature: 23.2 °C Humidity: 50.5 % RH Atmospheric Pressure: 1015 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	27	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), data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW80), final test modes are considering the modulation and worse data rates. 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 Maximum Conducted output power

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

Test Method: KDB 789033 D02 II E

Limit:

Frequency band(MHz)	Limit
5150-5250	≤1W(30dBm) for master device
	≤250mW(24dBm) for client device
5250-5350	≤250mW(24dBm) 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.

7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 23.2 °C Humidity: 50.5 % RH Atmospheric Pressure: 1015 mbar

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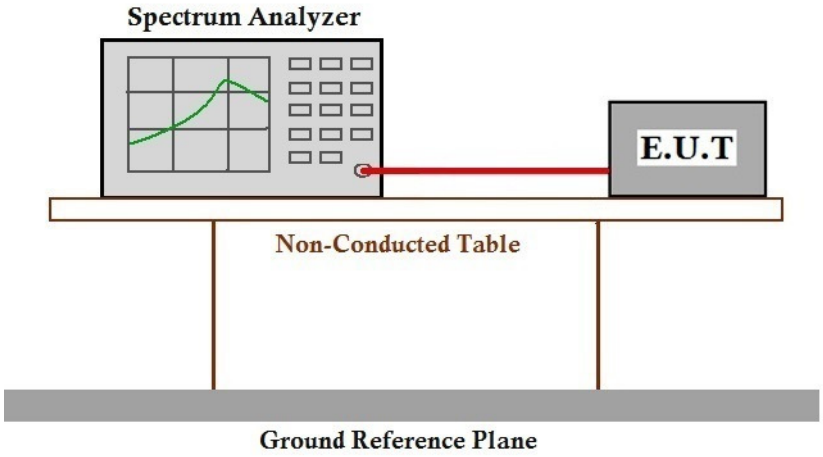
7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	27	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), data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW80), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.

7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

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

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7.6 Peak Power spectrum density

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)
Test Method: KDB 789033 D02 II F

Limit:

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

7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 23.2 °C Humidity: 50.5 % RH Atmospheric Pressure: 1015 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	27	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), data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW80), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.

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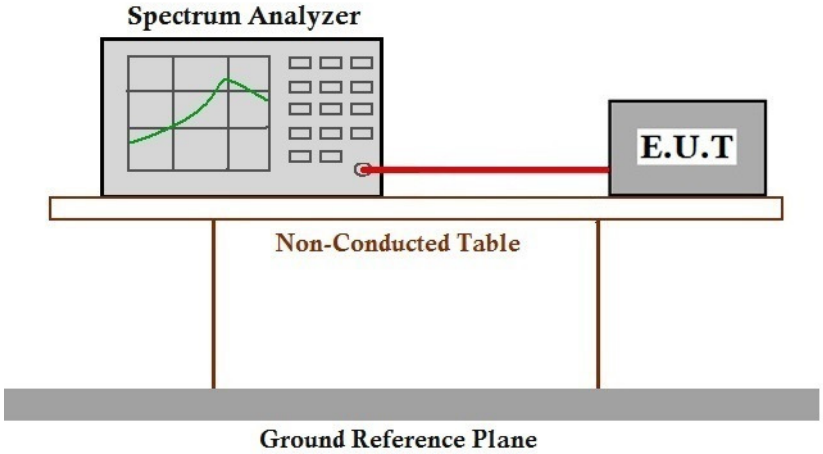
7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

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7.7 Radiated Emissions (Above 1GHz)

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

Limit:

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

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

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

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

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

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

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

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7.7.1 E.U.T. Operation

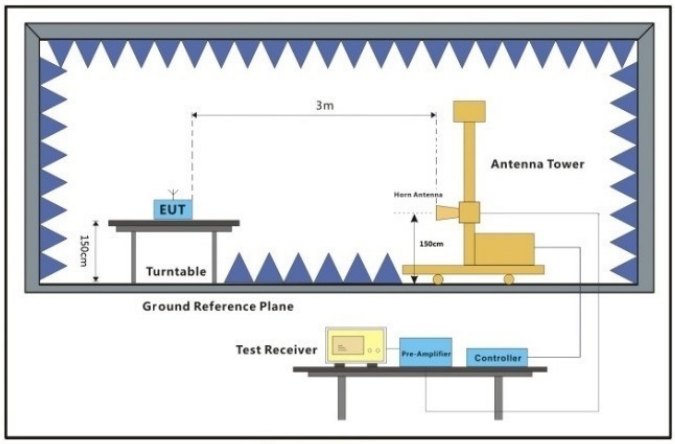
Operating Environment:

Temperature: 20.8 °C Humidity: 56.3 % RH Atmospheric Pressure: 1015 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	27	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), data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW80), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.

7.7.3 Test Setup Diagram



Above 1GHz

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7.7.4 Measurement Procedure and Data

a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet.

g. Test the EUT in the lowest channel, the middle channel, the Highest channel.

h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

2. Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.

5. For devices with multiple operating modes, measurements on the middle channel is used to determine the worst-case mode(s). Only the worst case mode with the highest output power and the mode with the highest output power spectral density for each modulation family (e.g., OFDM and direct sequence spread spectrum) is recorded in the test report.

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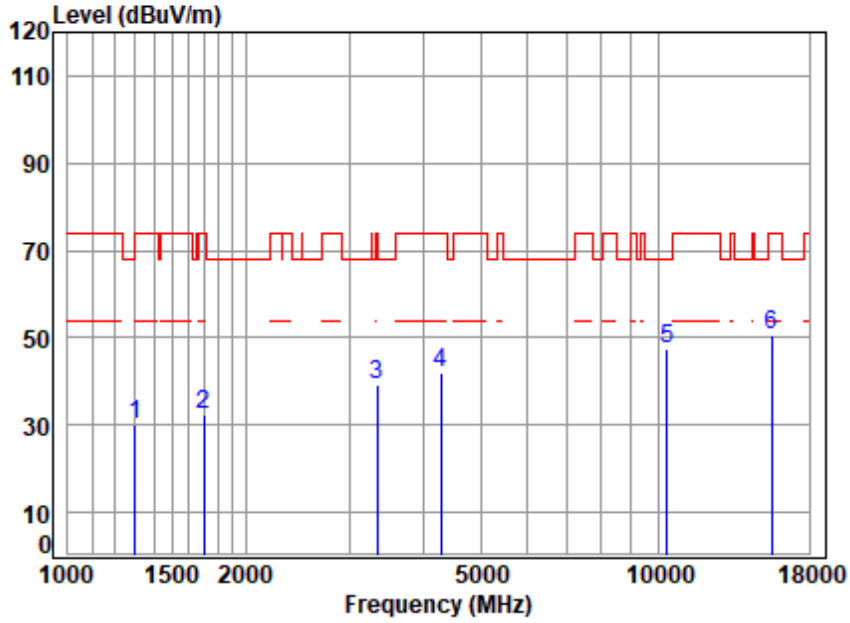
Test Mode: 27; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5180 TX RSE
Note : 5G WIFI 11A

	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	1300.858	2.96	24.70	37.41	39.66	29.91	74.00	-44.09	peak
2	1697.129	3.49	26.79	36.41	38.48	32.35	74.00	-41.65	peak
3	3337.710	5.36	31.60	35.03	37.30	39.23	74.00	-34.77	peak
4	4291.977	6.57	33.60	34.54	36.22	41.85	74.00	-32.15	peak
5	q10360.000	10.81	37.46	35.74	34.86	47.39	68.20	-20.81	peak
6	15540.000	13.61	40.94	37.47	33.46	50.54	74.00	-23.46	peak

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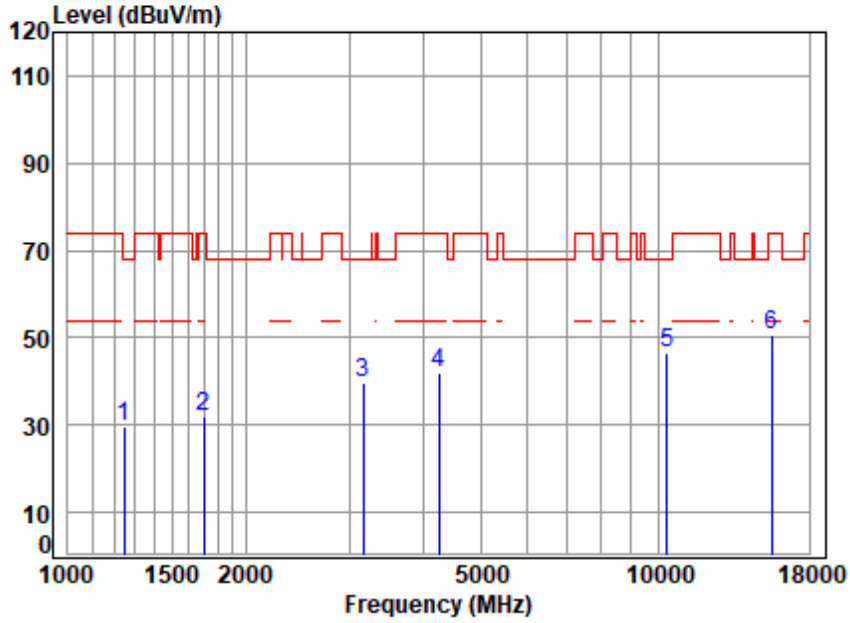
Test Mode: 27; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5180 TX RSE
Note : 5G WIFI 11A

	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	1245.663	2.87	24.49	37.57	39.79	29.58	68.20	-38.62	peak
2	1702.042	3.49	26.80	36.40	38.27	32.16	74.00	-41.84	peak
3	3159.355	5.07	31.42	35.25	38.35	39.59	68.20	-28.61	peak
4	4242.641	6.53	33.57	34.50	36.24	41.84	74.00	-32.16	peak
5	q10360.000	10.81	37.46	35.74	33.93	46.46	68.20	-21.74	peak
6	15540.000	13.61	40.94	37.47	33.76	50.84	74.00	-23.16	peak

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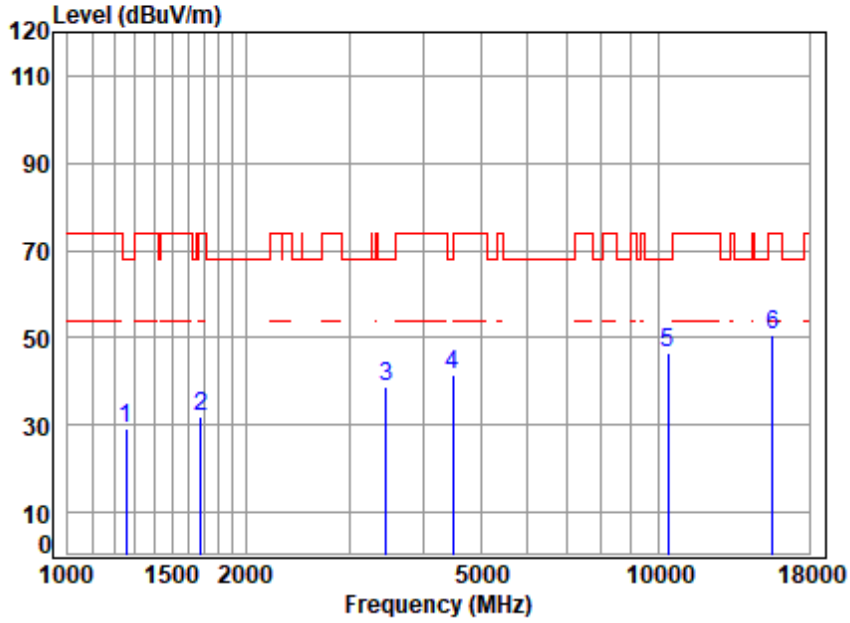
Test Mode: 27; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5200 TX RSE
Note : 5G WIFI 11A

	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	1256.512	2.89	24.53	37.54	39.54	29.42	68.20	-38.78	peak
2	1682.477	3.47	26.77	36.44	38.25	32.05	74.00	-41.95	peak
3	3455.508	5.53	31.71	34.90	36.56	38.90	68.20	-29.30	peak
4	4482.150	6.75	33.50	34.66	35.90	41.49	68.20	-26.71	peak
5	q10400.000	10.84	37.50	35.75	33.95	46.54	68.20	-21.66	peak
6	15600.000	13.68	41.00	37.49	33.45	50.64	74.00	-23.36	peak

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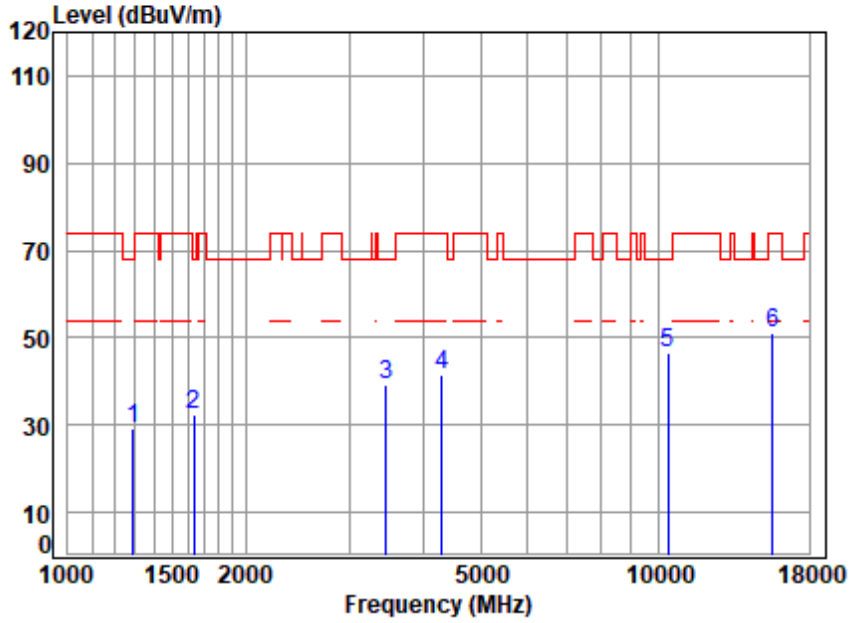
Test Mode: 27; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5200 TX RSE
Note : 5G WIFI 11A

	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	1289.627	2.94	24.66	37.44	39.20	29.36	68.20	-38.84	peak
2	1634.543	3.41	26.64	36.55	38.68	32.18	68.20	-36.02	peak
3	3455.508	5.53	31.71	34.90	36.70	39.04	68.20	-29.16	peak
4	4304.400	6.59	33.60	34.54	35.89	41.54	74.00	-32.46	peak
5	q10400.000	10.84	37.50	35.75	34.05	46.64	68.20	-21.56	peak
6	15600.000	13.68	41.00	37.49	33.95	51.14	74.00	-22.86	peak

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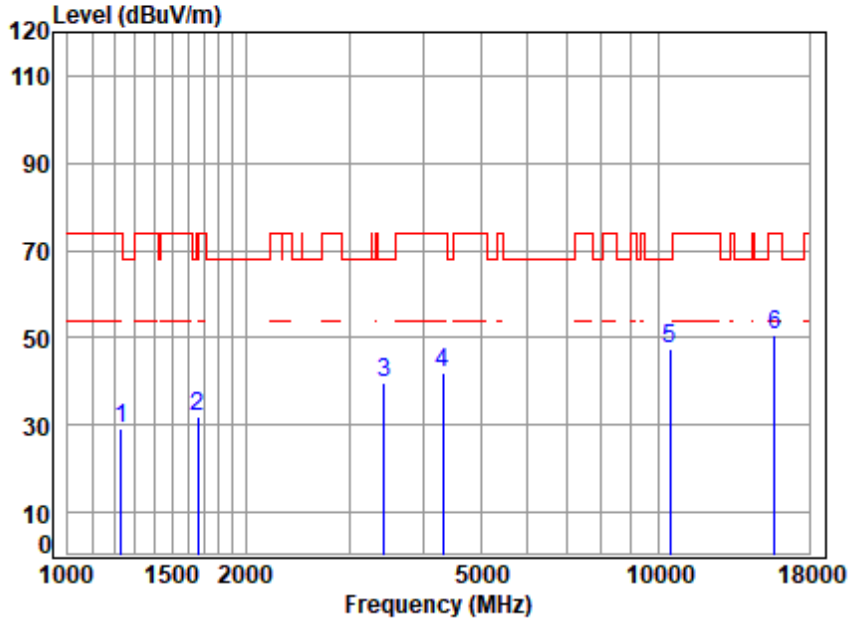
Test Mode: 27; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5240 TX RSE
Note : 5G WIFI 11A

	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	1231.345	2.85	24.46	37.62	39.57	29.26	74.00	-44.74	peak
2	1663.137	3.45	26.73	36.48	38.24	31.94	74.00	-42.06	peak
3	3435.590	5.50	31.70	34.92	37.24	39.52	68.20	-28.68	peak
4	4316.859	6.60	33.60	34.55	36.14	41.79	74.00	-32.21	peak
5	q10480.000	10.90	37.50	35.79	34.64	47.25	68.20	-20.95	peak
6	15720.000	13.83	41.14	37.54	33.38	50.81	74.00	-23.19	peak

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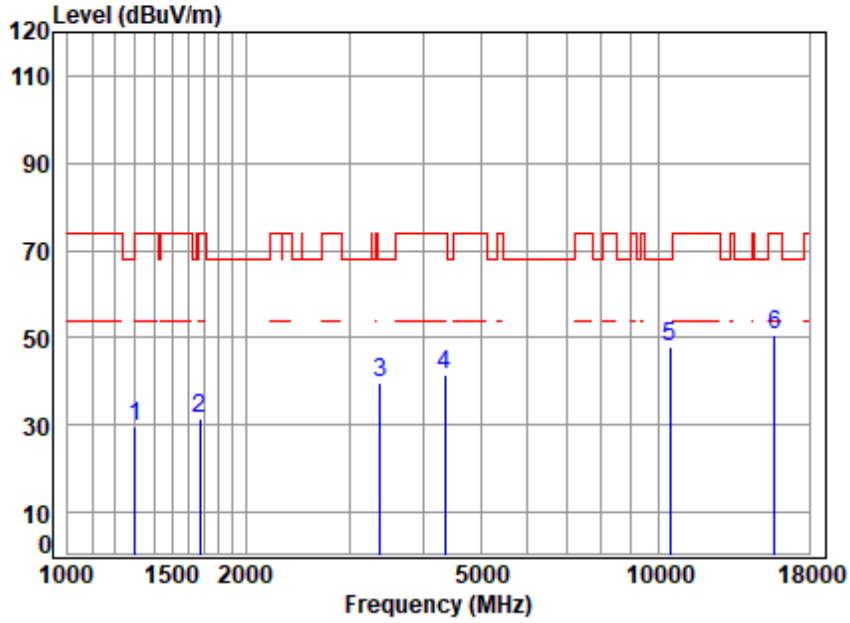
Test Mode: 27; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5240 TX RSE
Note : 5G WIFI 11A

	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	1300.858	2.96	24.70	37.41	39.53	29.78	74.00	-44.22	peak
2	1672.779	3.46	26.75	36.46	37.70	31.45	74.00	-42.55	peak
3	3386.297	5.43	31.67	34.98	37.40	39.52	68.20	-28.68	peak
4	4354.454	6.63	33.59	34.58	36.11	41.75	74.00	-32.25	peak
5	q10480.000	10.90	37.50	35.79	35.15	47.76	68.20	-20.44	peak
6	15720.000	13.83	41.14	37.54	33.06	50.49	74.00	-23.51	peak

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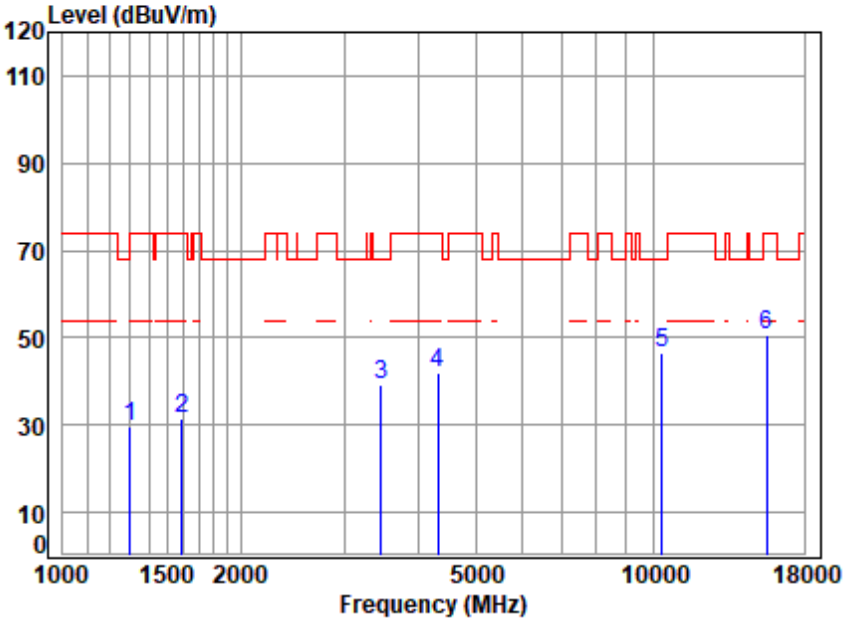
Test Mode: 27; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5180 TX RSE
Note : 5G WIFI 11N20

	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	1300.858	2.96	24.70	37.41	39.23	29.48	74.00	-44.52	peak
2	1592.571	3.36	26.41	36.65	38.52	31.64	74.00	-42.36	peak
3	3455.508	5.53	31.71	34.90	36.75	39.09	68.20	-29.11	peak
4	4316.859	6.60	33.60	34.55	36.55	42.20	74.00	-31.80	peak
5	q10360.000	10.81	37.46	35.74	34.21	46.74	68.20	-21.46	peak
6	15540.000	13.61	40.94	37.47	33.44	50.52	74.00	-23.48	peak

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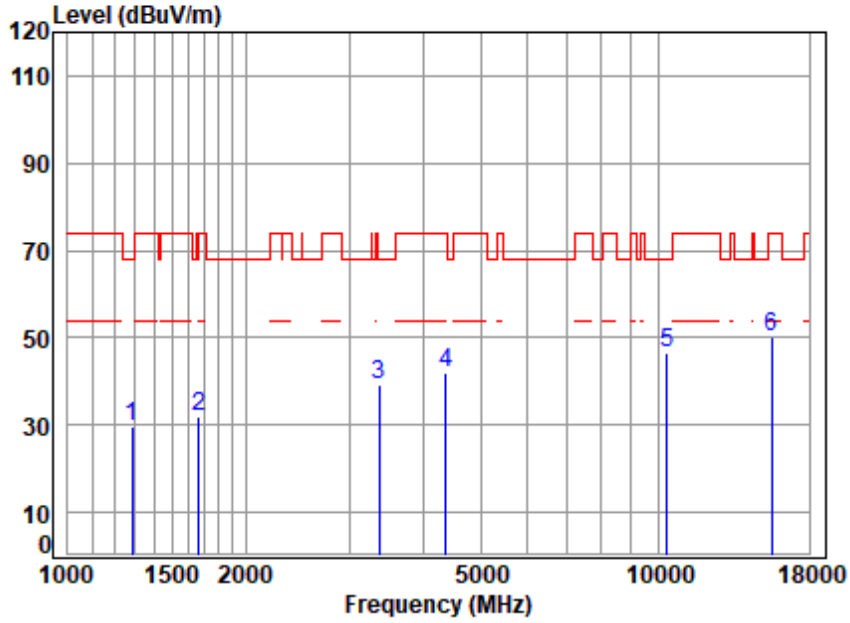
Test Mode: 27; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5180 TX RSE
Note : 5G WIFI 11N20

	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	1285.904	2.94	24.64	37.45	39.51	29.64	68.20	-38.56	peak
2	1667.951	3.45	26.74	36.47	38.16	31.88	74.00	-42.12	peak
3	3366.778	5.40	31.63	35.00	37.05	39.08	68.20	-29.12	peak
4	4367.058	6.65	33.57	34.59	36.42	42.05	74.00	-31.95	peak
5	q10360.000	10.81	37.46	35.74	33.96	46.49	68.20	-21.71	peak
6	15540.000	13.61	40.94	37.47	33.17	50.25	74.00	-23.75	peak

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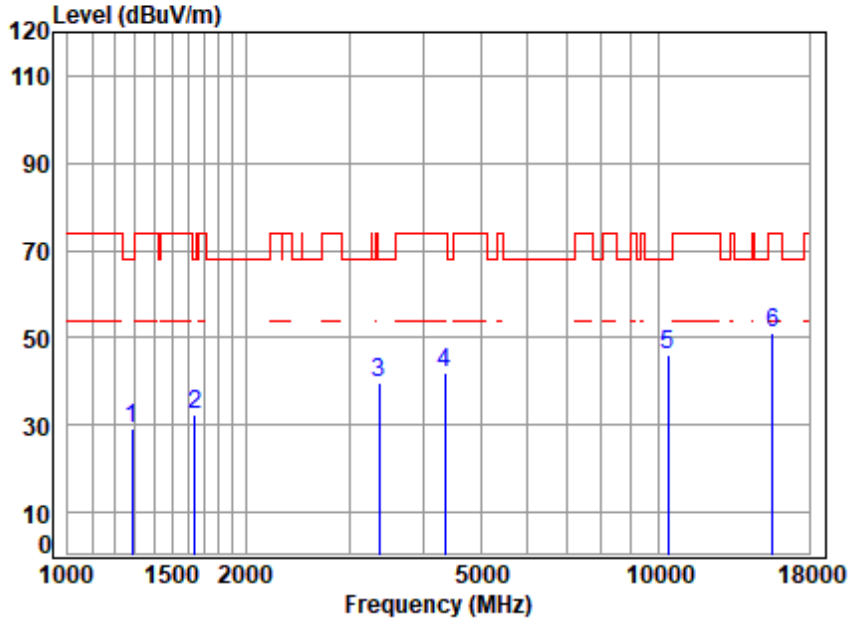
Test Mode: 27; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5220 TX RSE
Note : 5G WIFI 11N20

	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	1285.904	2.94	24.64	37.45	39.07	29.20	68.20	-39.00	peak
2	1644.019	3.42	26.68	36.53	38.76	32.33	68.20	-35.87	peak
3	3366.778	5.40	31.63	35.00	37.57	39.60	68.20	-28.60	peak
4	4354.454	6.63	33.59	34.58	36.41	42.05	74.00	-31.95	peak
5	q10400.000	10.84	37.50	35.75	33.68	46.27	68.20	-21.93	peak
6	15600.000	13.68	41.00	37.49	34.13	51.32	74.00	-22.68	peak

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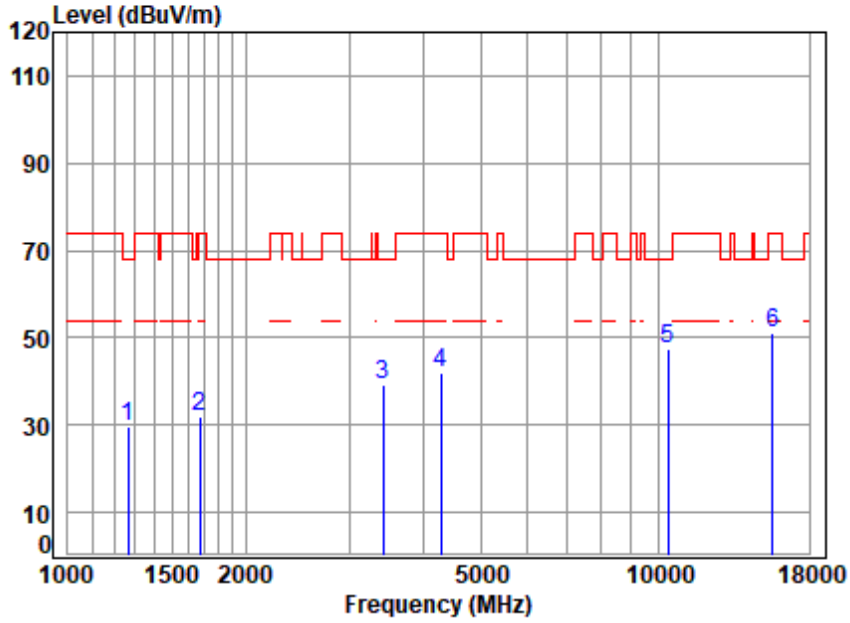
Test Mode: 27; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5220 TX RSE
Note : 5G WIFI 11N20

	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	1267.454	2.91	24.57	37.51	39.49	29.46	68.20	-38.74	peak
2	1672.779	3.46	26.75	36.46	38.09	31.84	74.00	-42.16	peak
3	3415.787	5.47	31.70	34.94	36.99	39.22	68.20	-28.98	peak
4	4291.977	6.57	33.60	34.54	36.15	41.78	74.00	-32.22	peak
5	q10400.000	10.84	37.50	35.75	35.03	47.62	68.20	-20.58	peak
6	15600.000	13.68	41.00	37.49	33.84	51.03	74.00	-22.97	peak

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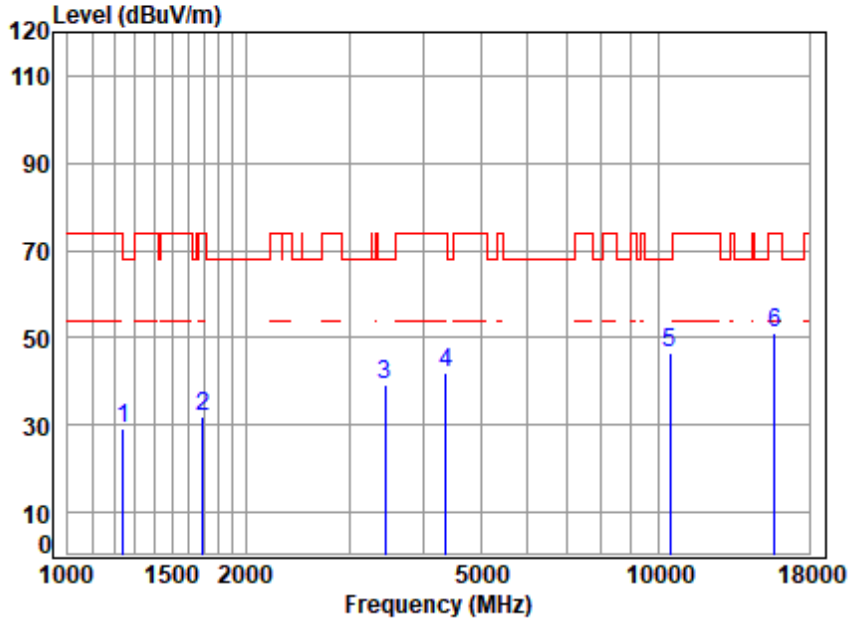
Test Mode: 27; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5240 TX RSE
Note : 5G WIFI 11N20

	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	1242.068	2.87	24.48	37.58	39.45	29.22	68.20	-38.98	peak
2	1692.231	3.48	26.78	36.42	38.19	32.03	74.00	-41.97	peak
3	3445.535	5.52	31.70	34.91	36.77	39.08	68.20	-29.12	peak
4	4367.058	6.65	33.57	34.59	36.17	41.80	74.00	-32.20	peak
5	q10480.000	10.90	37.50	35.79	34.15	46.76	68.20	-21.44	peak
6	15720.000	13.83	41.14	37.54	33.79	51.22	74.00	-22.78	peak

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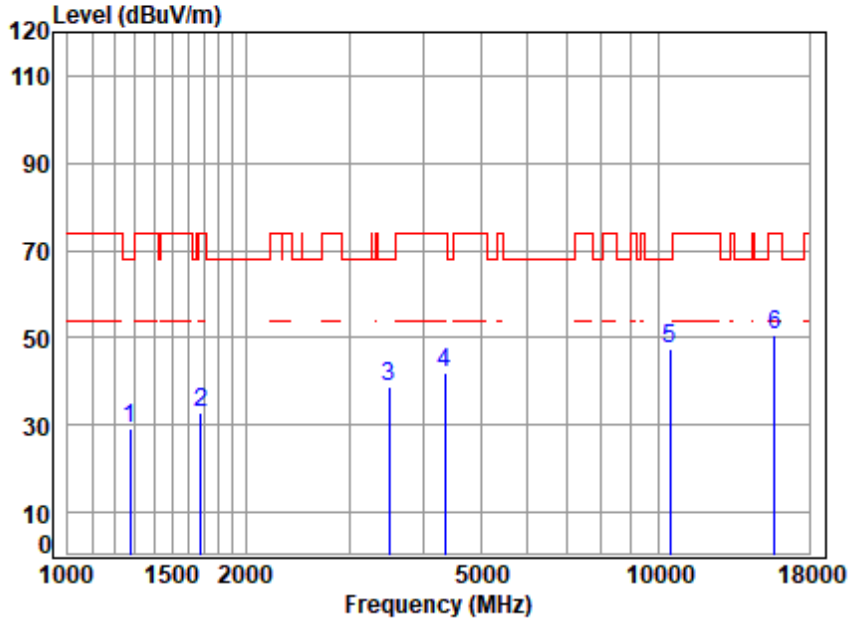
Test Mode: 27; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5240 TX RSE
Note : 5G WIFI 11N20

	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	1274.802	2.92	24.60	37.49	39.03	29.06	68.20	-39.14	peak
2	1682.477	3.47	26.77	36.44	38.83	32.63	74.00	-41.37	peak
3	3495.691	5.59	31.79	34.85	36.25	38.78	68.20	-29.42	peak
4	4354.454	6.63	33.59	34.58	36.31	41.95	74.00	-32.05	peak
5	q10480.000	10.90	37.50	35.79	34.63	47.24	68.20	-20.96	peak
6	15720.000	13.83	41.14	37.54	33.40	50.83	74.00	-23.17	peak

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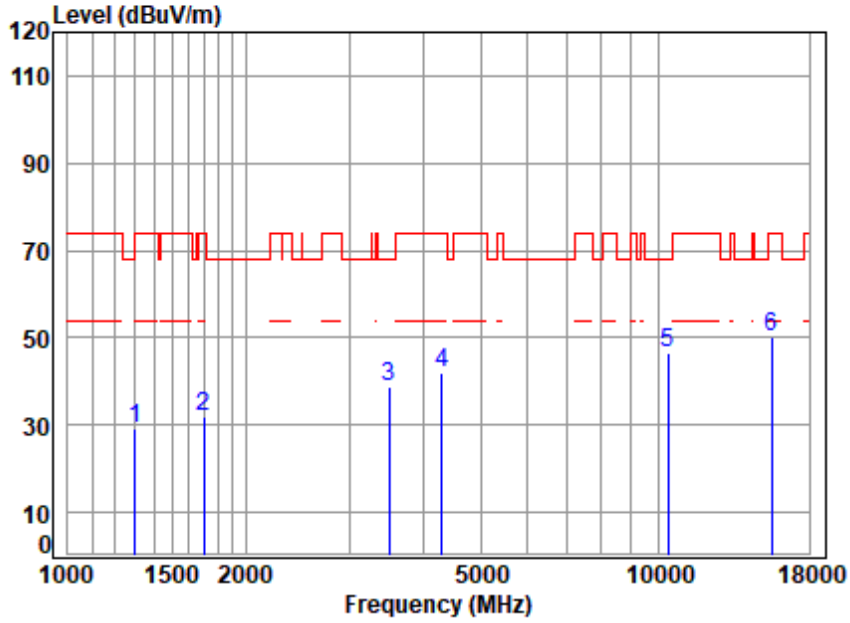
Test Mode: 27; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5190 TX RSE
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	1300.858	2.96	24.70	37.41	38.78	29.03	74.00	-44.97	peak
2	1702.042	3.49	26.80	36.40	38.14	32.03	74.00	-41.97	peak
3	3495.691	5.59	31.79	34.85	36.35	38.88	68.20	-29.32	peak
4	4304.400	6.59	33.60	34.54	36.15	41.80	74.00	-32.20	peak
5	q10380.000	10.83	37.48	35.74	33.97	46.54	68.20	-21.66	peak
6	15570.000	13.65	40.97	37.48	33.08	50.22	74.00	-23.78	peak

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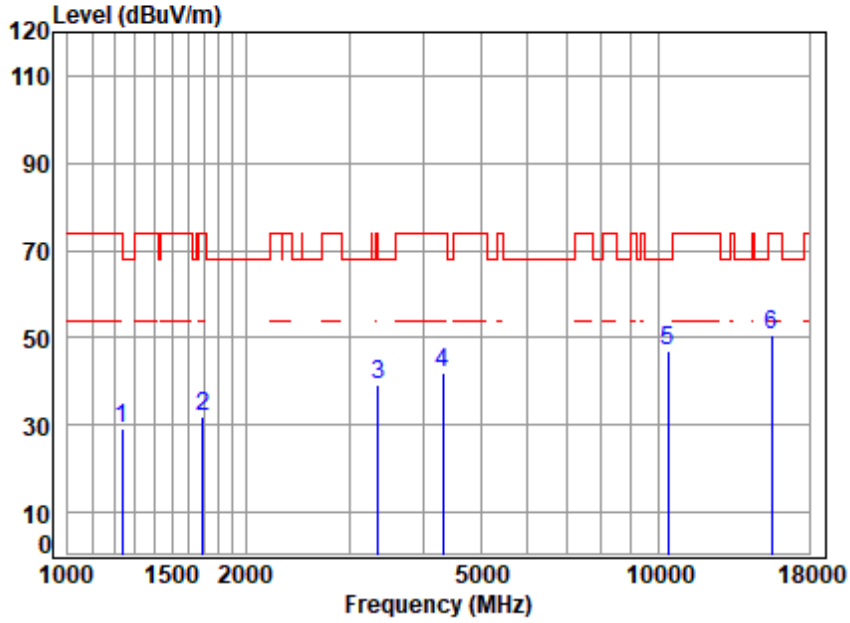
Test Mode: 27; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5190 TX RSE
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	1238.483	2.86	24.48	37.59	39.25	29.00	74.00	-45.00	peak
2	1692.231	3.48	26.78	36.42	38.16	32.00	74.00	-42.00	peak
3	3357.061	5.38	31.61	35.01	37.40	39.38	74.00	-34.62	peak
4	4316.859	6.60	33.60	34.55	36.16	41.81	74.00	-32.19	peak
5	q10380.000	10.83	37.48	35.74	34.37	46.94	68.20	-21.26	peak
6	15570.000	13.65	40.97	37.48	33.57	50.71	74.00	-23.29	peak

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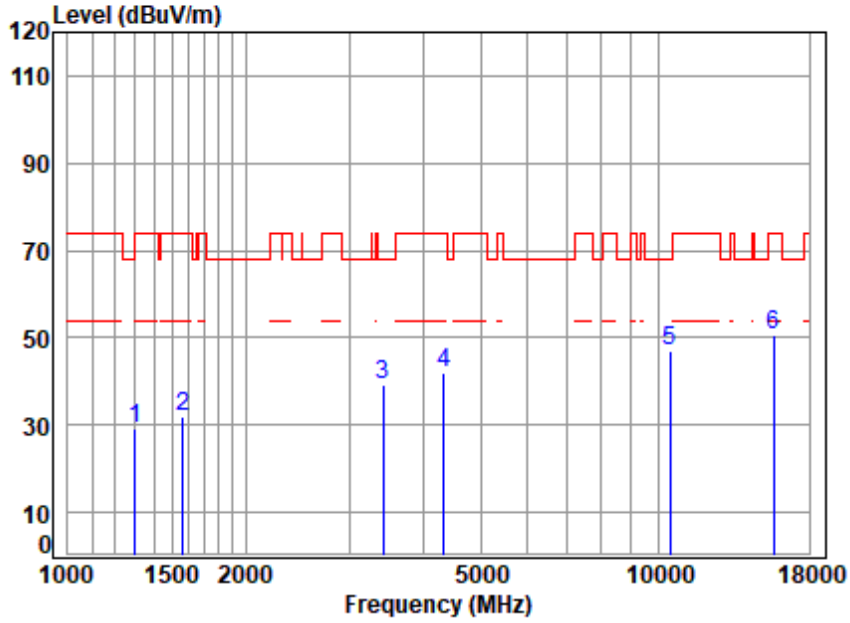
Test Mode: 27; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5230 TX RSE
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	1300.858	2.96	24.70	37.41	38.77	29.02	74.00	-44.98	peak
2	1565.191	3.33	26.08	36.71	39.27	31.97	74.00	-42.03	peak
3	3425.675	5.49	31.70	34.93	37.02	39.28	68.20	-28.92	peak
4	4329.354	6.61	33.60	34.56	36.15	41.80	74.00	-32.20	peak
5	q10460.000	10.89	37.50	35.78	34.22	46.83	68.20	-21.37	peak
6	15690.000	13.79	41.09	37.53	33.13	50.48	74.00	-23.52	peak

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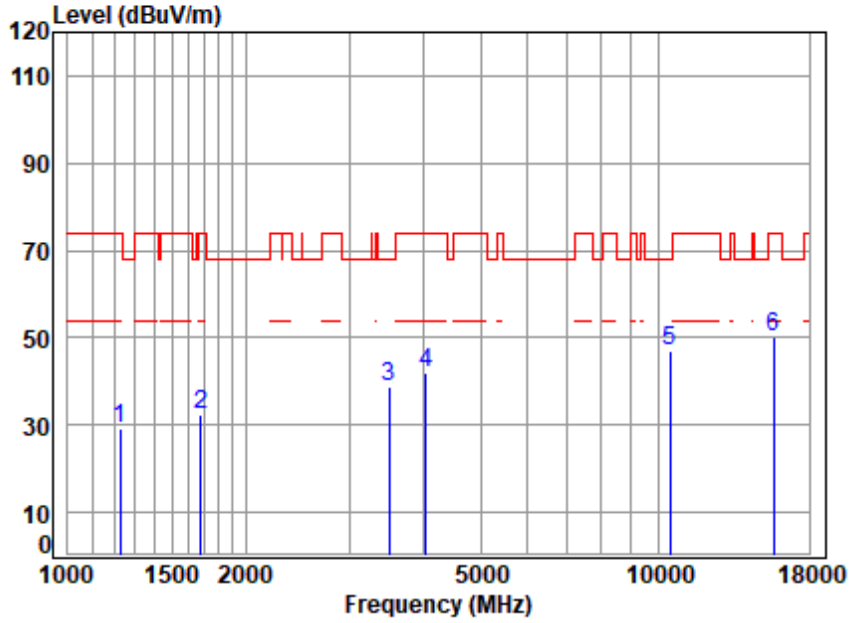
Test Mode: 27; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5230 TX RSE
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	1227.791	2.85	24.46	37.63	39.56	29.24	74.00	-44.76	peak
2	1682.477	3.47	26.77	36.44	38.59	32.39	74.00	-41.61	peak
3	3495.691	5.59	31.79	34.85	36.34	38.87	68.20	-29.33	peak
4	4039.212	6.32	32.86	34.36	36.95	41.77	74.00	-32.23	peak
5	q10460.000	10.89	37.50	35.78	34.31	46.92	68.20	-21.28	peak
6	15690.000	13.79	41.09	37.53	32.95	50.30	74.00	-23.70	peak

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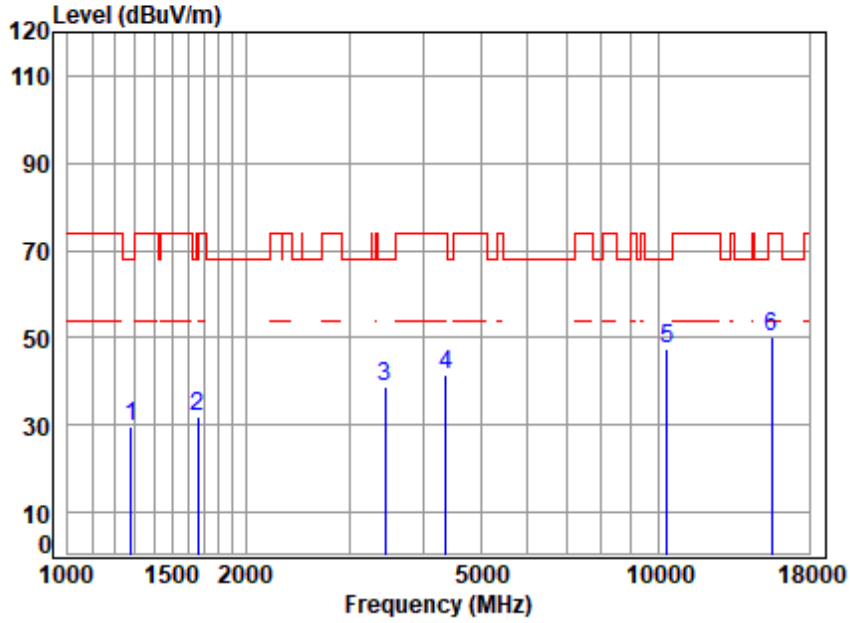
Test Mode: 27; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5180 TX RSE
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	1282.193	2.93	24.63	37.46	39.75	29.85	68.20	-38.35	peak
2	1658.337	3.44	26.72	36.50	38.17	31.83	68.20	-36.37	peak
3	3445.535	5.52	31.70	34.91	36.68	38.99	68.20	-29.21	peak
4	4367.058	6.65	33.57	34.59	35.82	41.45	74.00	-32.55	peak
5	q10360.000	10.81	37.46	35.74	34.78	47.31	68.20	-20.89	peak
6	15540.000	13.61	40.94	37.47	33.09	50.17	74.00	-23.83	peak

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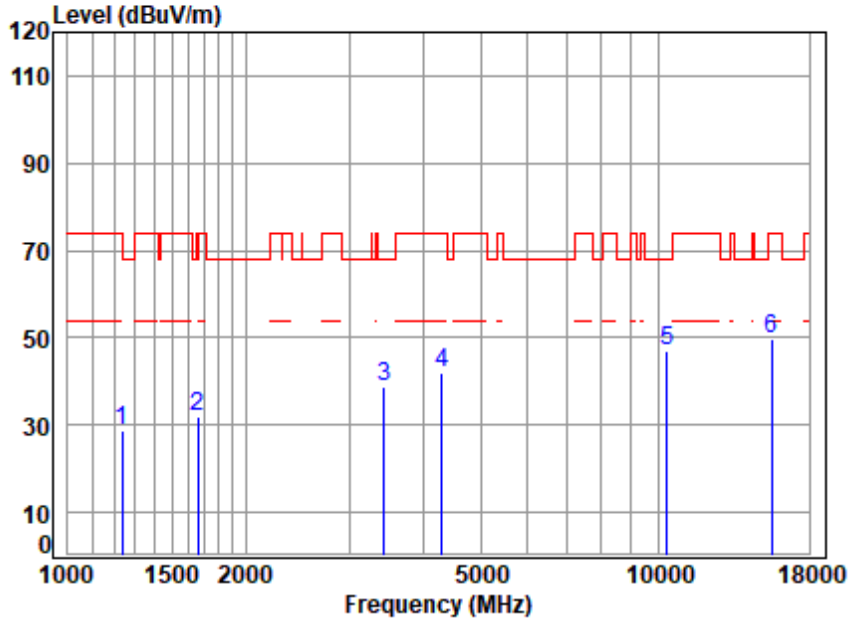
Test Mode: 27; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5180 TX RSE
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	1238.483	2.86	24.48	37.59	39.19	28.94	74.00	-45.06	peak
2	1663.137	3.45	26.73	36.48	38.23	31.93	74.00	-42.07	peak
3	3435.590	5.50	31.70	34.92	36.46	38.74	68.20	-29.46	peak
4	4304.400	6.59	33.60	34.54	36.49	42.14	74.00	-31.86	peak
5	q10360.000	10.81	37.46	35.74	34.50	47.03	68.20	-21.17	peak
6	15540.000	13.61	40.94	37.47	32.86	49.94	74.00	-24.06	peak

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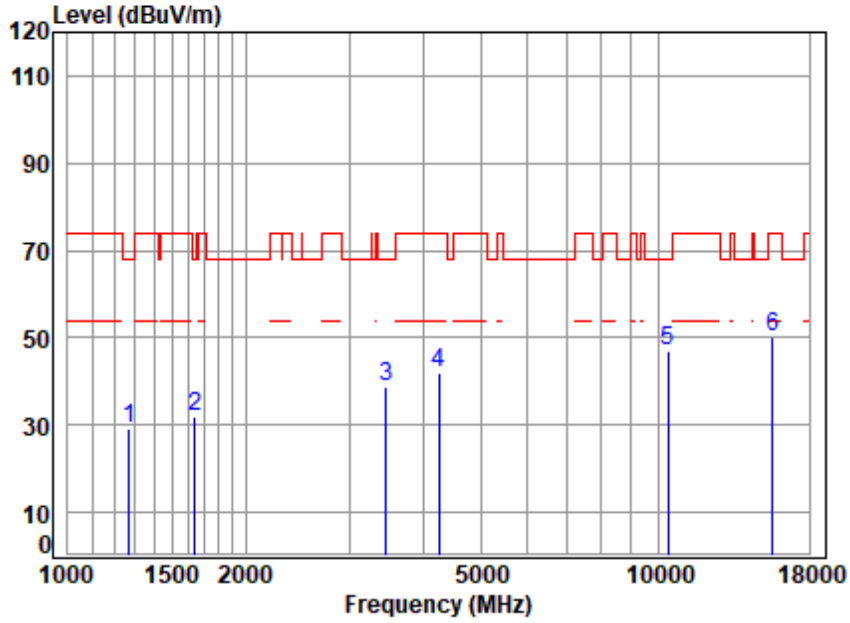
Test Mode: 27; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5220 TX RSE
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	1271.123	2.91	24.59	37.50	39.20	29.20	68.20	-39.00	peak
2	1644.019	3.42	26.68	36.53	38.24	31.81	68.20	-36.39	peak
3	3465.510	5.55	31.73	34.89	36.60	38.99	68.20	-29.21	peak
4	4242.641	6.53	33.57	34.50	36.40	42.00	74.00	-32.00	peak
5	q10400.000	10.84	37.50	35.75	34.42	47.01	68.20	-21.19	peak
6	15600.000	13.68	41.00	37.49	33.10	50.29	74.00	-23.71	peak

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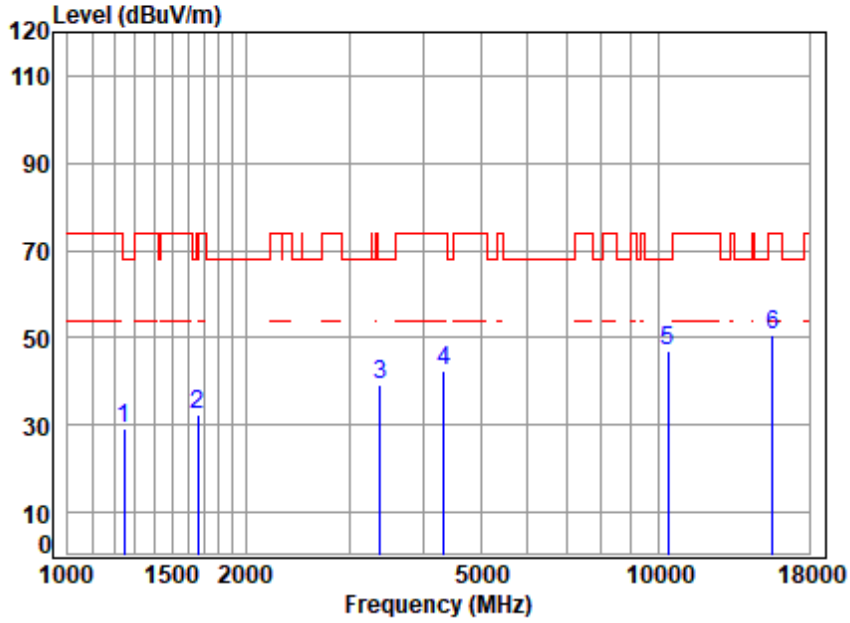
Test Mode: 27; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5220 TX RSE
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	1245.663	2.87	24.49	37.57	39.51	29.30	68.20	-38.90	peak
2	1658.337	3.44	26.72	36.50	38.53	32.19	68.20	-36.01	peak
3	3376.523	5.41	31.65	34.99	36.97	39.04	68.20	-29.16	peak
4	4329.354	6.61	33.60	34.56	36.79	42.44	74.00	-31.56	peak
5	q10400.000	10.84	37.50	35.75	34.21	46.80	68.20	-21.40	peak
6	15600.000	13.68	41.00	37.49	33.42	50.61	74.00	-23.39	peak

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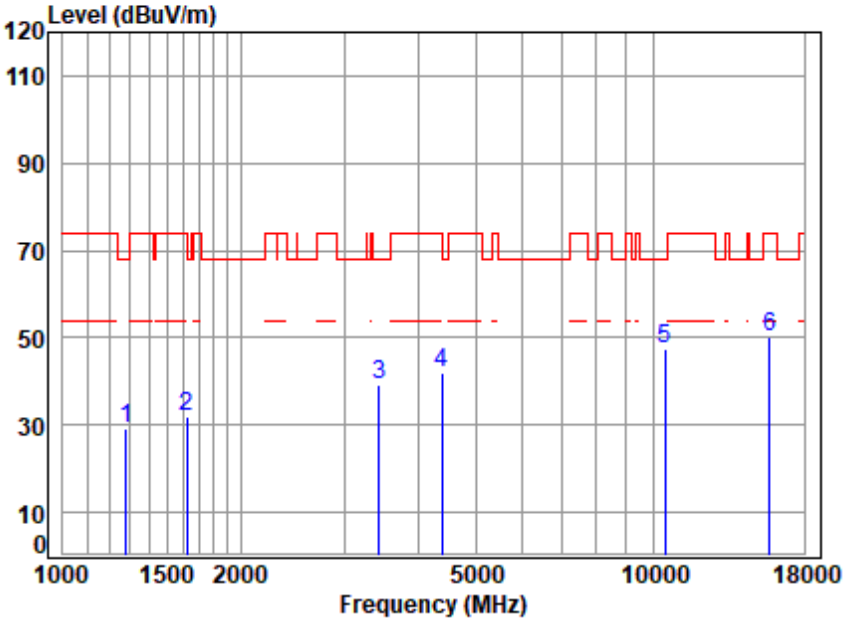
Test Mode: 27; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5240 TX RSE
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	1282.193	2.93	24.63	37.46	39.06	29.16	68.20	-39.04	peak
2	1625.121	3.40	26.60	36.57	38.66	32.09	74.00	-41.91	peak
3	3435.590	5.50	31.70	34.92	36.95	39.23	68.20	-28.97	peak
4	4379.699	6.66	33.54	34.59	36.33	41.94	74.00	-32.06	peak
5	q10480.000	10.90	37.50	35.79	34.88	47.49	68.20	-20.71	peak
6	15720.000	13.83	41.14	37.54	32.74	50.17	74.00	-23.83	peak

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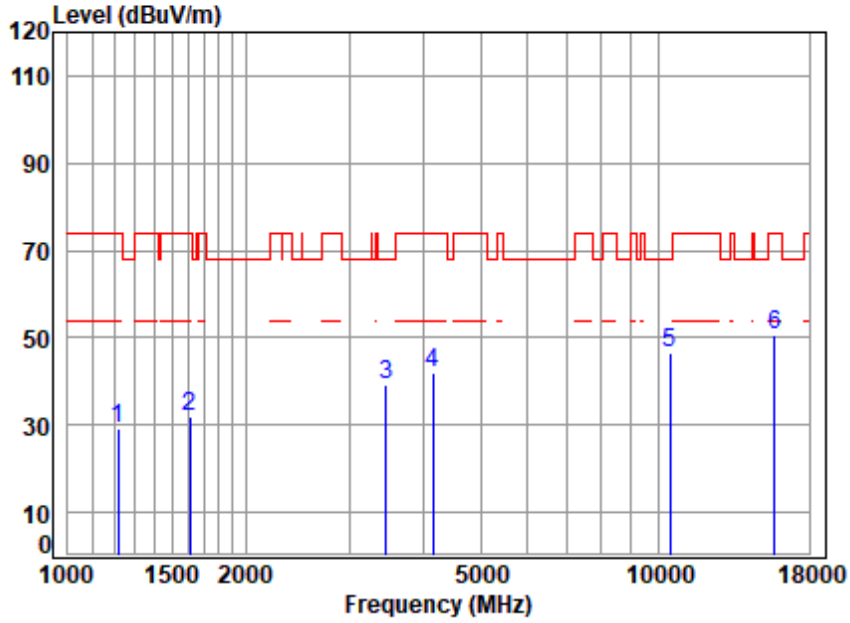
Test Mode: 27; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5240 TX RSE
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	1217.190	2.83	24.43	37.66	39.43	29.03	74.00	-44.97	peak
2	1611.091	3.38	26.54	36.60	38.62	31.94	74.00	-42.06	peak
3	3455.508	5.53	31.71	34.90	37.04	39.38	68.20	-28.82	peak
4	4157.664	6.44	33.15	34.44	36.95	42.10	74.00	-31.90	peak
5	q10480.000	10.90	37.50	35.79	34.08	46.69	68.20	-21.51	peak
6	15720.000	13.83	41.14	37.54	33.39	50.82	74.00	-23.18	peak

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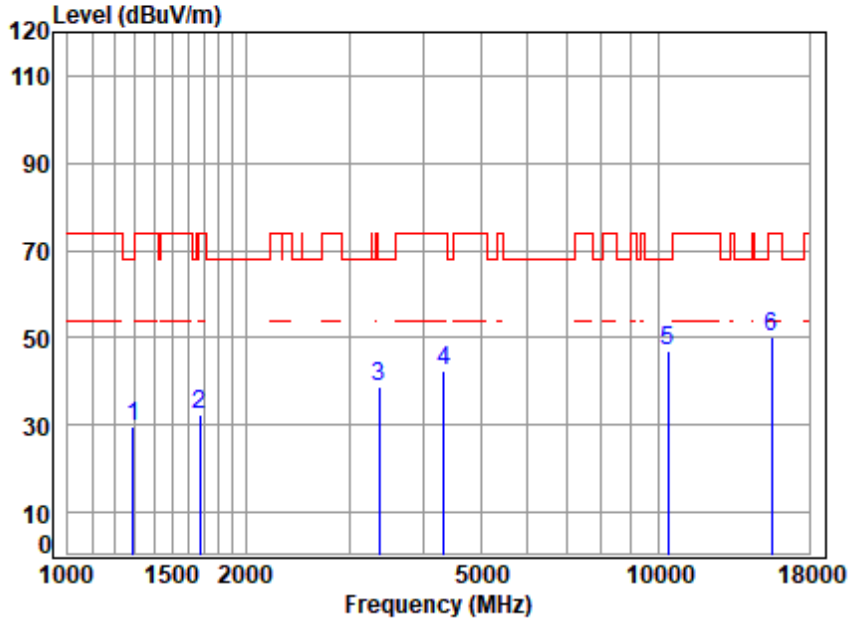
Test Mode: 27; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5190 TX RSE
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	1289.627	2.94	24.66	37.44	39.53	29.69	68.20	-38.51	peak
2	1672.779	3.46	26.75	36.46	38.43	32.18	74.00	-41.82	peak
3	3366.778	5.40	31.63	35.00	36.97	39.00	68.20	-29.20	peak
4	4329.354	6.61	33.60	34.56	36.60	42.25	74.00	-31.75	peak
5	q10380.000	10.83	37.48	35.74	34.40	46.97	68.20	-21.23	peak
6	15570.000	13.65	40.97	37.48	33.03	50.17	74.00	-23.83	peak

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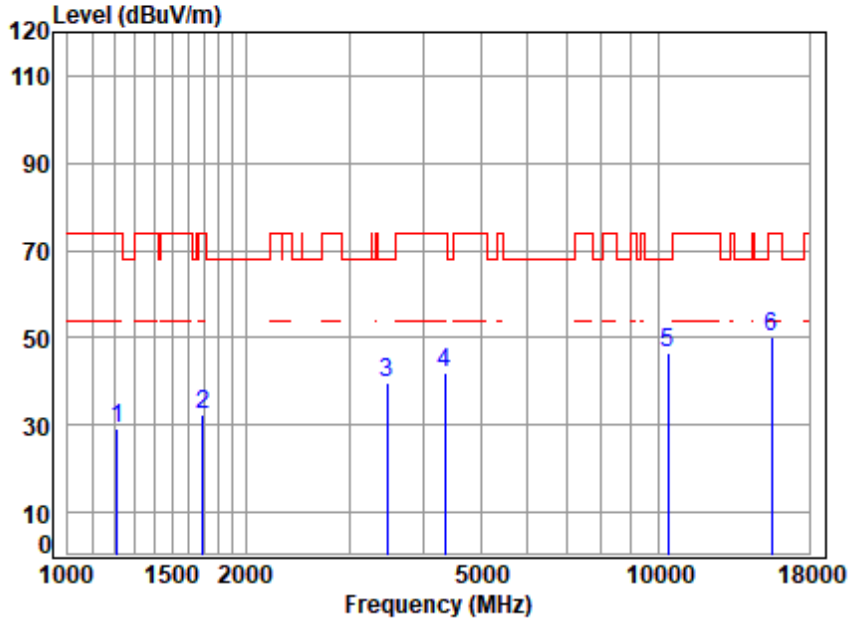
Test Mode: 27; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5190 TX RSE
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	1213.677	2.82	24.43	37.67	39.69	29.27	74.00	-44.73	peak
2	1692.231	3.48	26.78	36.42	38.54	32.38	74.00	-41.62	peak
3	3475.541	5.56	31.75	34.88	37.17	39.60	68.20	-28.60	peak
4	4354.454	6.63	33.59	34.58	36.34	41.98	74.00	-32.02	peak
5	q10380.000	10.83	37.48	35.74	33.92	46.49	68.20	-21.71	peak
6	15570.000	13.65	40.97	37.48	33.05	50.19	74.00	-23.81	peak

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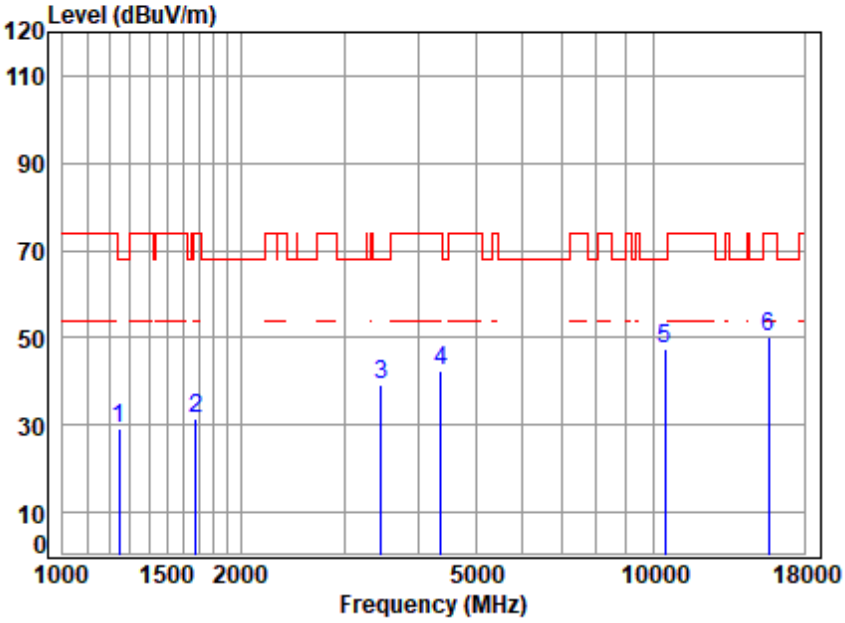
Test Mode: 27; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5230 TX RSE
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	1245.663	2.87	24.49	37.57	39.18	28.97	68.20	-39.23	peak
2	1677.621	3.46	26.76	36.45	37.92	31.69	74.00	-42.31	peak
3	3465.510	5.55	31.73	34.89	37.06	39.45	68.20	-28.75	peak
4	4367.058	6.65	33.57	34.59	36.73	42.36	74.00	-31.64	peak
5	q10460.000	10.89	37.50	35.78	34.77	47.38	68.20	-20.82	peak
6	15690.000	13.79	41.09	37.53	33.00	50.35	74.00	-23.65	peak

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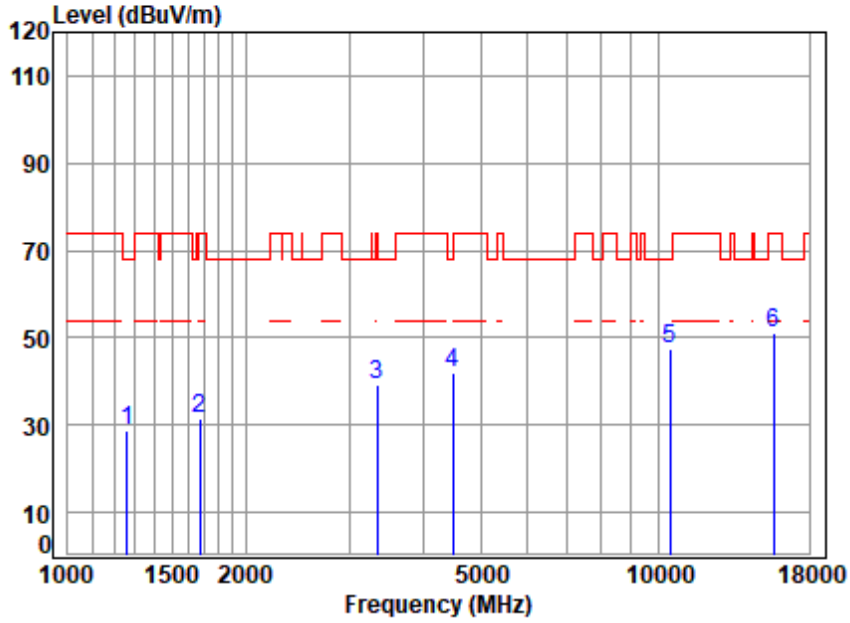
Test Mode: 27; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5230 TX RSE
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	1260.149	2.90	24.54	37.53	38.96	28.87	68.20	-39.33	peak
2	1672.779	3.46	26.75	36.46	37.94	31.69	74.00	-42.31	peak
3	3337.710	5.36	31.60	35.03	37.40	39.33	74.00	-34.67	peak
4	4495.125	6.77	33.50	34.67	36.57	42.17	68.20	-26.03	peak
5	q10460.000	10.89	37.50	35.78	34.77	47.38	68.20	-20.82	peak
6	15690.000	13.79	41.09	37.53	33.68	51.03	74.00	-22.97	peak

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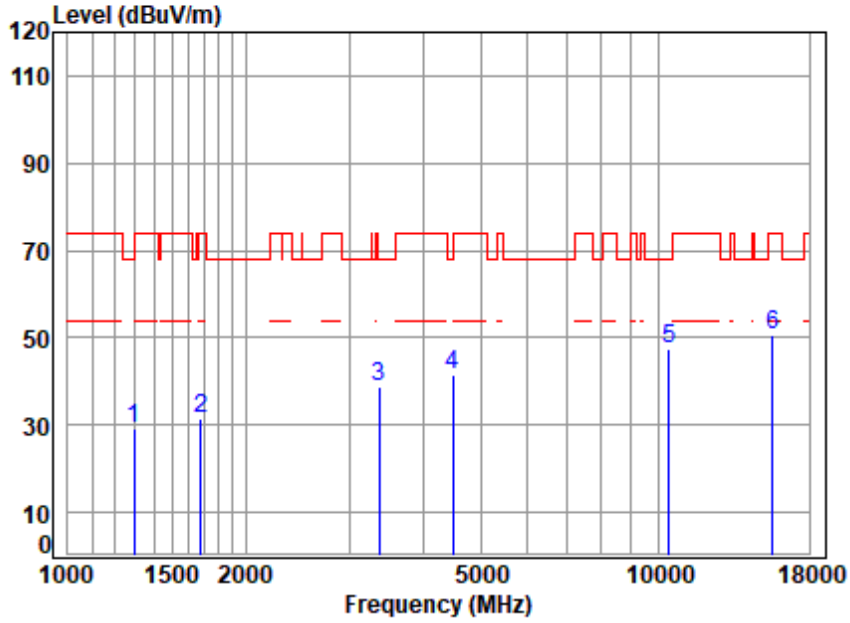
Test Mode: 27; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5210 TX RSE
Note : 5G WIFI 11AC80

	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	1297.103	2.95	24.69	37.42	38.83	29.05	68.20	-39.15	peak
2	1682.477	3.47	26.77	36.44	37.82	31.62	74.00	-42.38	peak
3	3366.778	5.40	31.63	35.00	36.93	38.96	68.20	-29.24	peak
4	4482.150	6.75	33.50	34.66	35.95	41.54	68.20	-26.66	peak
5	q10420.000	10.86	37.50	35.76	34.69	47.29	68.20	-20.91	peak
6	15630.000	13.72	41.03	37.50	33.28	50.53	74.00	-23.47	peak

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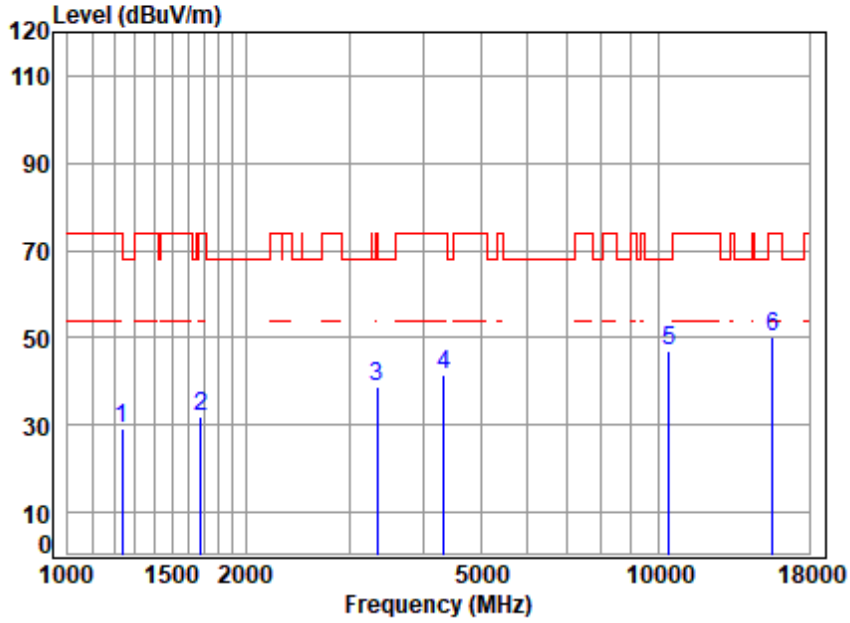
Test Mode: 27; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5210 TX RSE
Note : 5G WIFI 11AC80

	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	1238.483	2.86	24.48	37.59	39.52	29.27	74.00	-44.73	peak
2	1677.621	3.46	26.76	36.45	37.97	31.74	74.00	-42.26	peak
3	3347.371	5.37	31.60	35.02	36.79	38.74	74.00	-35.26	peak
4	4341.886	6.62	33.60	34.57	35.94	41.59	74.00	-32.41	peak
5	q10420.000	10.86	37.50	35.76	34.24	46.84	68.20	-21.36	peak
6	15630.000	13.72	41.03	37.50	33.10	50.35	74.00	-23.65	peak

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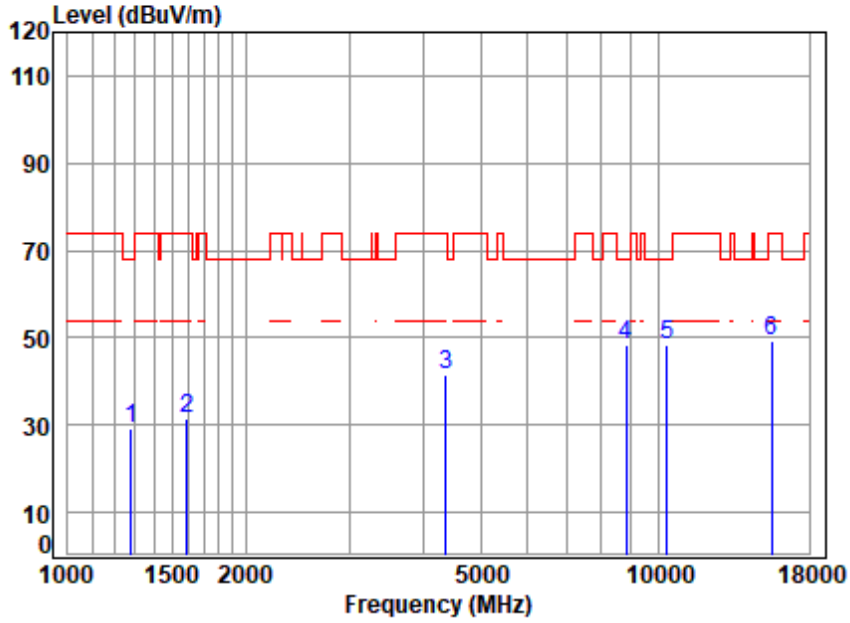
Test Mode: 27; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5180 TX RSE
Note : 5G WIFI 11AX 20

	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	1278.492	2.93	24.61	37.47	39.36	29.43	68.20	-38.77	peak
2	1592.571	3.36	26.41	36.65	38.40	31.52	74.00	-42.48	peak
3	4367.058	6.65	33.57	34.59	36.09	41.72	74.00	-32.28	peak
4 q	8814.957	9.97	36.70	35.60	37.44	48.51	68.20	-19.69	peak
5	10360.000	10.81	37.46	35.74	35.87	48.40	68.20	-19.80	peak
6	15540.000	13.61	40.94	37.47	32.19	49.27	74.00	-24.73	peak

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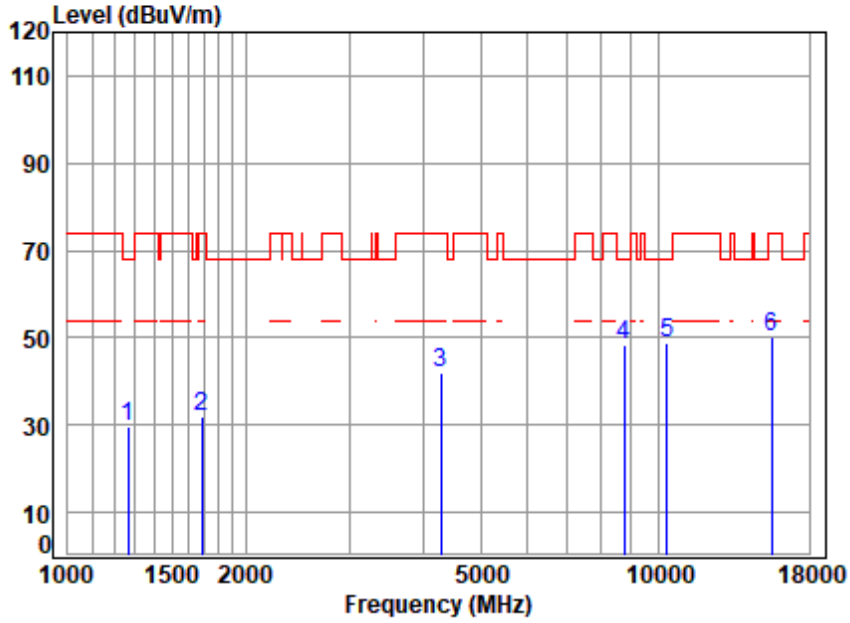
Test Mode: 27; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5180 TX RSE
Note : 5G WIFI 11AX 20

	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	1267.454	2.91	24.57	37.51	39.65	29.62	68.20	-38.58	peak
2	1687.347	3.47	26.77	36.43	38.04	31.85	74.00	-42.15	peak
3	4291.977	6.57	33.60	34.54	36.52	42.15	74.00	-31.85	peak
4	8738.852	9.90	36.70	35.65	37.49	48.44	68.20	-19.76	peak
5	q10360.000	10.81	37.46	35.74	36.42	48.95	68.20	-19.25	peak
6	15540.000	13.61	40.94	37.47	33.20	50.28	74.00	-23.72	peak

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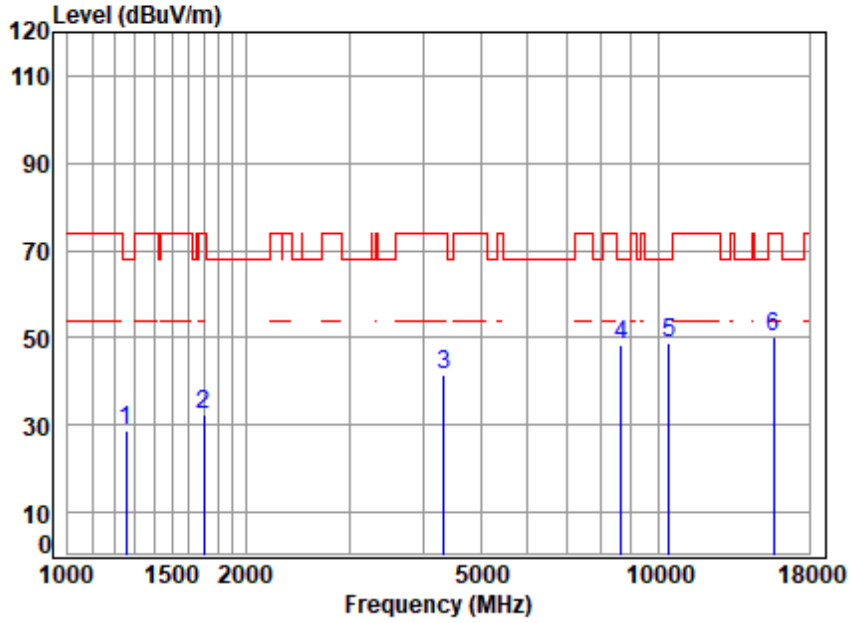
Test Mode: 27; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5220 TX RSE
Note : 5G WIFI 11AX 20

	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	1256.512	2.89	24.53	37.54	39.07	28.95	68.20	-39.25	peak
2	1697.129	3.49	26.79	36.41	38.39	32.26	74.00	-41.74	peak
3	4341.886	6.62	33.60	34.57	35.75	41.40	74.00	-32.60	peak
4	8663.404	9.84	36.63	35.69	37.53	48.31	68.20	-19.89	peak
5	q10440.000	10.87	37.50	35.77	36.08	48.68	68.20	-19.52	peak
6	15660.000	13.75	41.06	37.52	33.08	50.37	74.00	-23.63	peak

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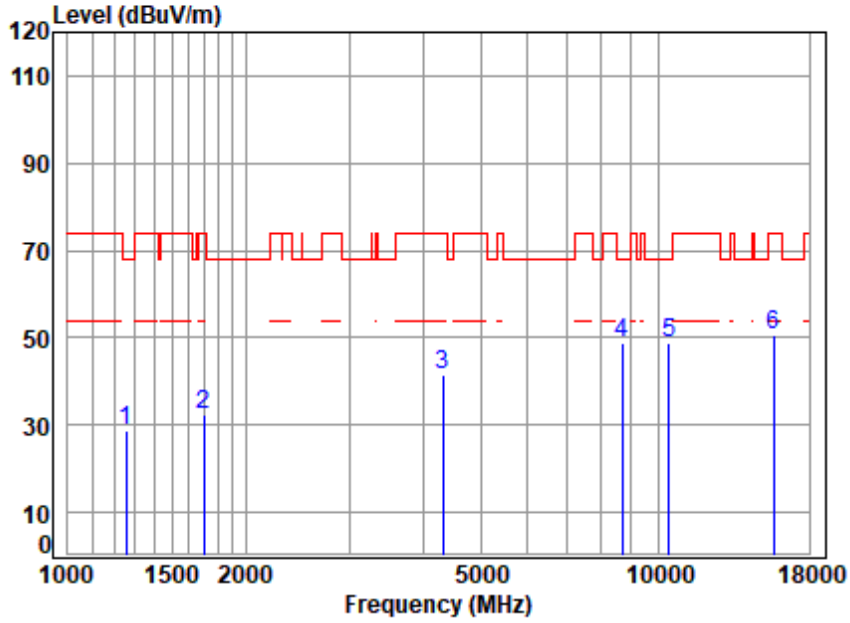
Test Mode: 27; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5220 TX RSE
Note : 5G WIFI 11AX 20

	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	1256.512	2.89	24.53	37.54	39.04	28.92	68.20	-39.28	peak
2	1697.129	3.49	26.79	36.41	38.33	32.20	74.00	-41.80	peak
3	4316.859	6.60	33.60	34.55	36.01	41.66	74.00	-32.34	peak
4 q	8688.480	9.86	36.68	35.68	37.89	48.75	68.20	-19.45	peak
5	10440.000	10.87	37.50	35.77	36.06	48.66	68.20	-19.54	peak
6	15660.000	13.75	41.06	37.52	33.27	50.56	74.00	-23.44	peak

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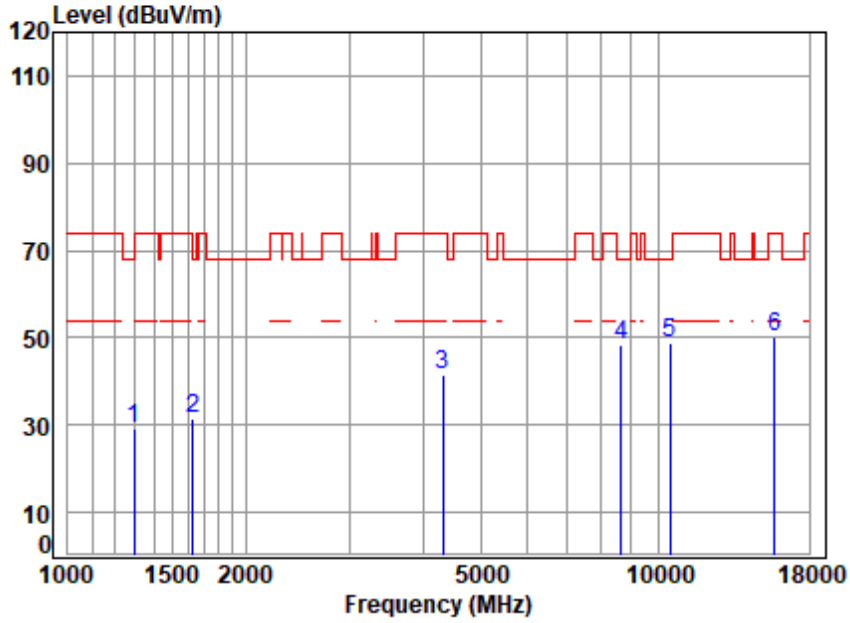
Test Mode: 27; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5240 TX RSE
Note : 5G WIFI 11AX 20

	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	1293.359	2.95	24.67	37.43	39.17	29.36	68.20	-38.84	peak
2	1629.825	3.41	26.62	36.56	38.13	31.60	68.20	-36.60	peak
3	4316.859	6.60	33.60	34.55	36.04	41.69	74.00	-32.31	peak
4	8663.404	9.84	36.63	35.69	37.79	48.57	68.20	-19.63	peak
5	q10480.000	10.90	37.50	35.79	35.99	48.60	68.20	-19.60	peak
6	15720.000	13.83	41.14	37.54	32.98	50.41	74.00	-23.59	peak

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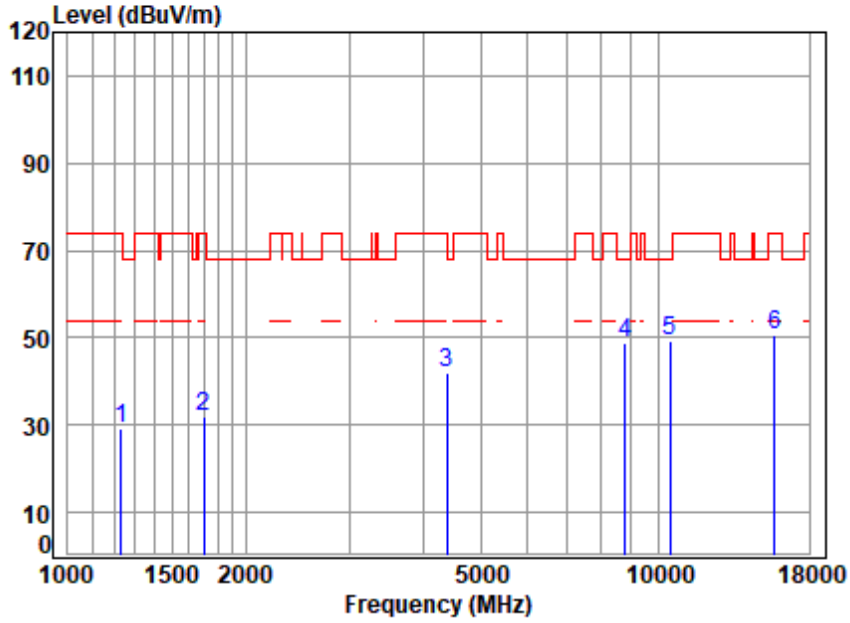
Test Mode: 27; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5240 TX RSE
Note : 5G WIFI 11AX 20

	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	1231.345	2.85	24.46	37.62	39.62	29.31	74.00	-44.69	peak
2	1697.129	3.49	26.79	36.41	38.01	31.88	74.00	-42.12	peak
3	4392.376	6.67	33.52	34.60	36.61	42.20	74.00	-31.80	peak
4	8789.516	9.95	36.70	35.62	37.66	48.69	68.20	-19.51	peak
5	q10480.000	10.90	37.50	35.79	36.46	49.07	68.20	-19.13	peak
6	15720.000	13.83	41.14	37.54	33.30	50.73	74.00	-23.27	peak

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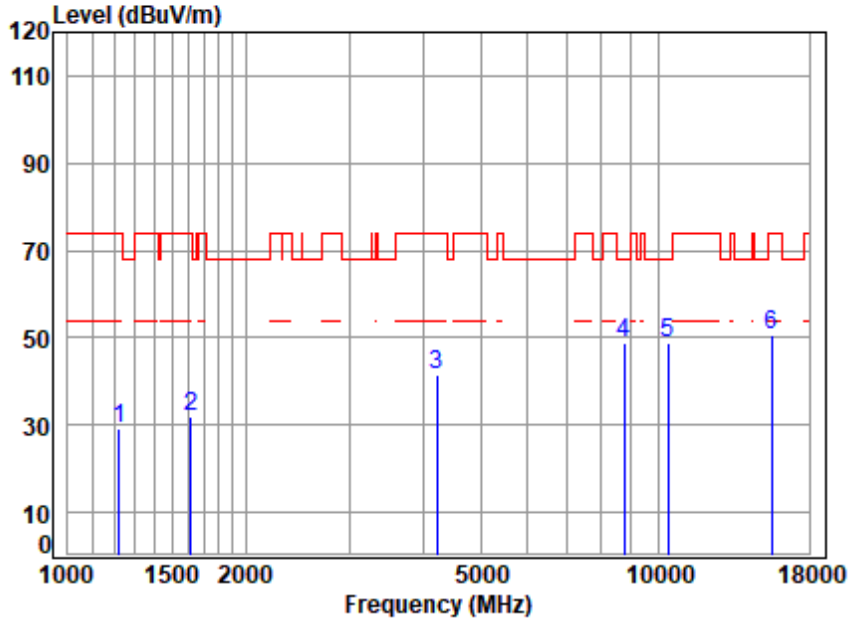
Test Mode: 27; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5190 TX RSE
Note : 5G WIFI 11AX 40

	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	1224.247	2.84	24.45	37.64	39.60	29.25	74.00	-44.75	peak
2	1615.754	3.39	26.56	36.59	38.50	31.86	74.00	-42.14	peak
3	4218.186	6.50	33.47	34.48	36.14	41.63	74.00	-32.37	peak
4 q	8738.852	9.90	36.70	35.65	38.06	49.01	68.20	-19.19	peak
5	10380.000	10.83	37.48	35.74	36.21	48.78	68.20	-19.42	peak
6	15570.000	13.65	40.97	37.48	33.62	50.76	74.00	-23.24	peak

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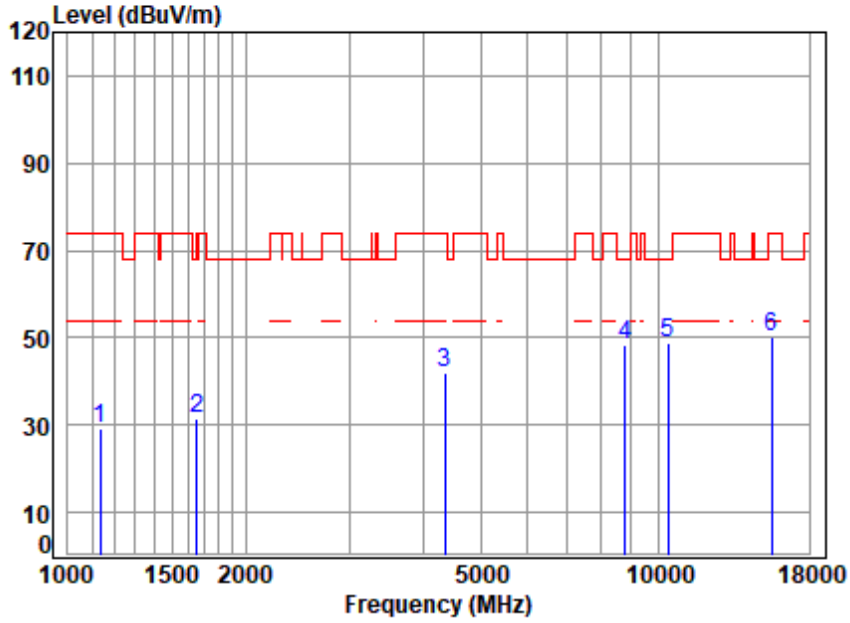
Test Mode: 27; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5190 TX RSE
Note : 5G WIFI 11AX 40

	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	1135.617	2.69	24.14	37.92	40.45	29.36	74.00	-44.64	peak
2	1653.550	3.43	26.71	36.51	38.00	31.63	68.20	-36.57	peak
3	4354.454	6.63	33.59	34.58	36.43	42.07	74.00	-31.93	peak
4	8789.516	9.95	36.70	35.62	37.40	48.43	68.20	-19.77	peak
5	q10380.000	10.83	37.48	35.74	36.11	48.68	68.20	-19.52	peak
6	15570.000	13.65	40.97	37.48	33.04	50.18	74.00	-23.82	peak

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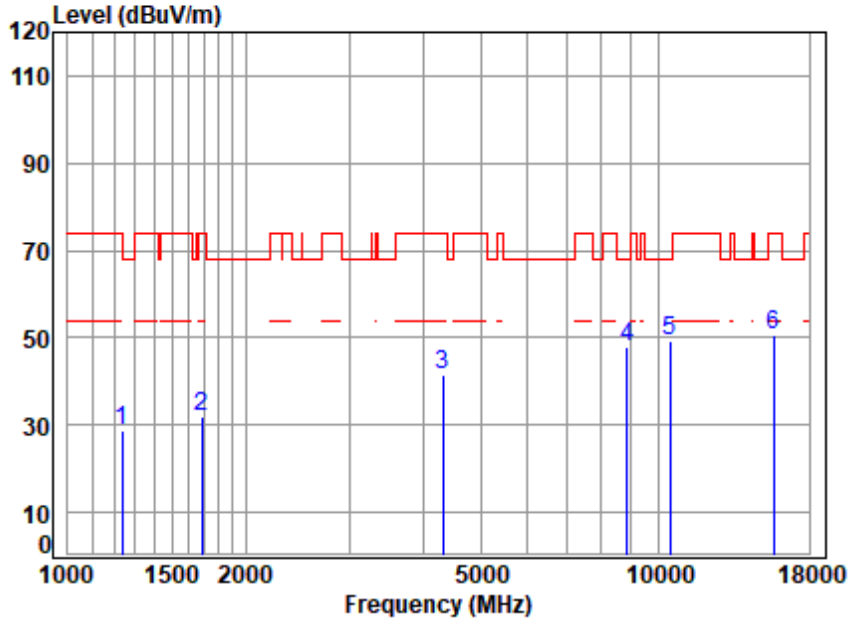
Test Mode: 27; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5230 TX RSE
Note : 5G WIFI 11AX 40

	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	1234.909	2.86	24.47	37.61	39.03	28.75	74.00	-45.25	peak
2	1687.347	3.47	26.77	36.43	38.02	31.83	74.00	-42.17	peak
3	4316.859	6.60	33.60	34.55	35.76	41.41	74.00	-32.59	peak
4	8840.473	9.99	36.70	35.59	37.01	48.11	68.20	-20.09	peak
5	q10460.000	10.89	37.50	35.78	36.47	49.08	68.20	-19.12	peak
6	15690.000	13.79	41.09	37.53	33.33	50.68	74.00	-23.32	peak

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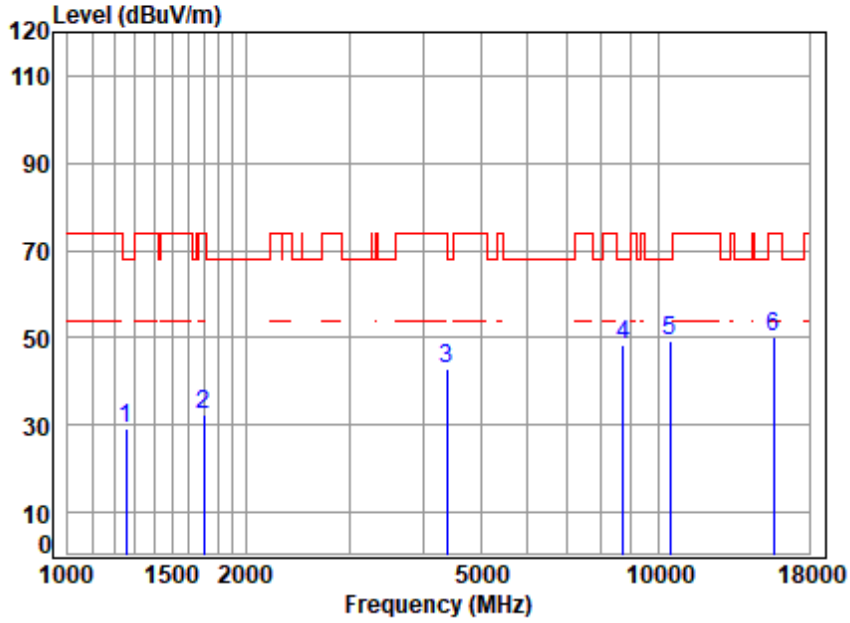
Test Mode: 27; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5230 TX RSE
Note : 5G WIFI 11AX 40

	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	1256.512	2.89	24.53	37.54	39.38	29.26	68.20	-38.94	peak
2	1697.129	3.49	26.79	36.41	38.33	32.20	74.00	-41.80	peak
3	4392.376	6.67	33.52	34.60	37.34	42.93	74.00	-31.07	peak
4	8713.630	9.88	36.70	35.66	37.51	48.43	68.20	-19.77	peak
5	q10460.000	10.89	37.50	35.78	36.73	49.34	68.20	-18.86	peak
6	15690.000	13.79	41.09	37.53	33.04	50.39	74.00	-23.61	peak

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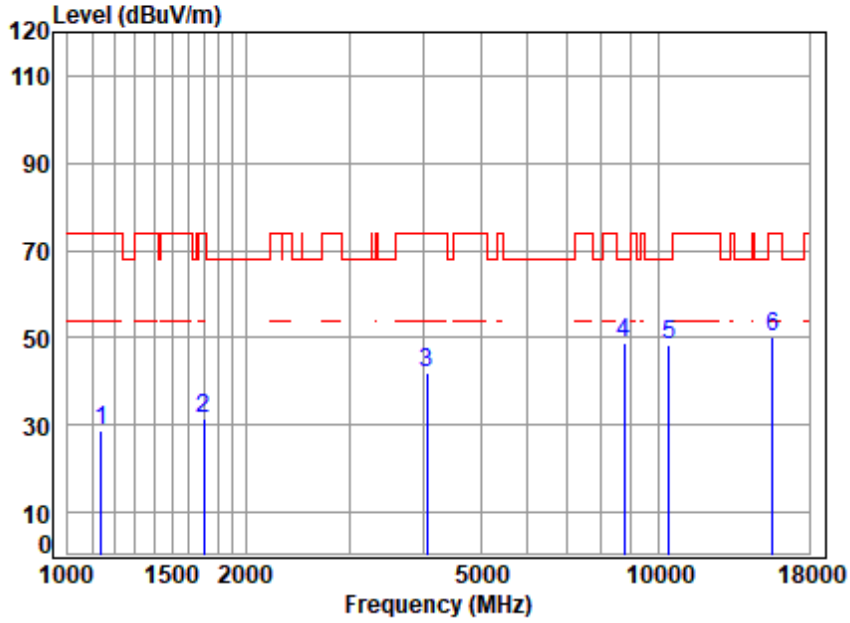
Test Mode: 27; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5210 TX RSE
Note : 5G WIFI 11AX 80

	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	1138.904	2.70	24.16	37.91	39.71	28.66	74.00	-45.34	peak
2	1697.129	3.49	26.79	36.41	37.77	31.64	74.00	-42.36	peak
3	4062.629	6.34	32.93	34.38	36.87	41.76	74.00	-32.24	peak
4 q	8764.146	9.92	36.70	35.63	37.92	48.91	68.20	-19.29	peak
5	10420.000	10.86	37.50	35.76	35.78	48.38	68.20	-19.82	peak
6	15630.000	13.72	41.03	37.50	32.92	50.17	74.00	-23.83	peak

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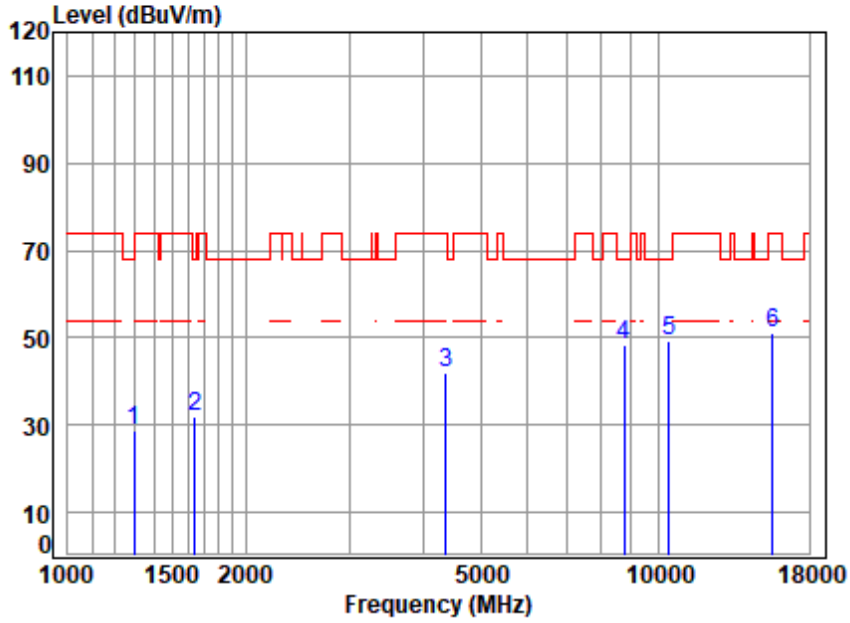
Test Mode: 27; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5210 TX RSE
Note : 5G WIFI 11AX 80

	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	1297.103	2.95	24.69	37.42	38.57	28.79	68.20	-39.41	peak
2	1644.019	3.42	26.68	36.53	38.20	31.77	68.20	-36.43	peak
3	4367.058	6.65	33.57	34.59	36.15	41.78	74.00	-32.22	peak
4	8764.146	9.92	36.70	35.63	37.58	48.57	68.20	-19.63	peak
5	q10420.000	10.86	37.50	35.76	36.63	49.23	68.20	-18.97	peak
6	15630.000	13.72	41.03	37.50	33.86	51.11	74.00	-22.89	peak

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7.8 Radiated Emissions which fall in the restricted bands

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

Limit:

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

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 20.8 °C Humidity: 56.3 % RH Atmospheric Pressure: 1015 mbar

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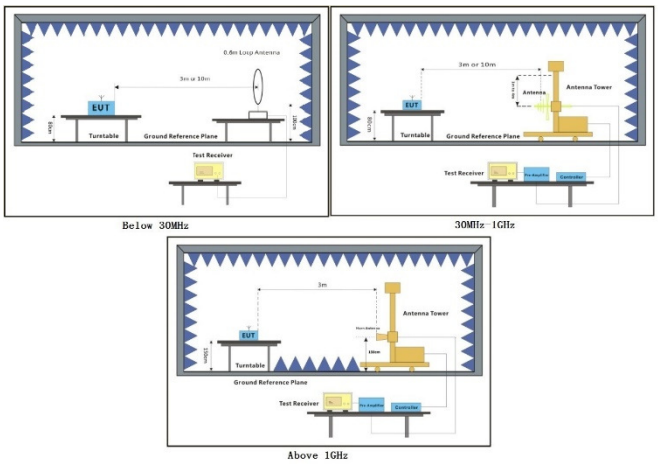
7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	27	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), data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW80), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.

7.8.3 Test Setup Diagram



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7.8.4 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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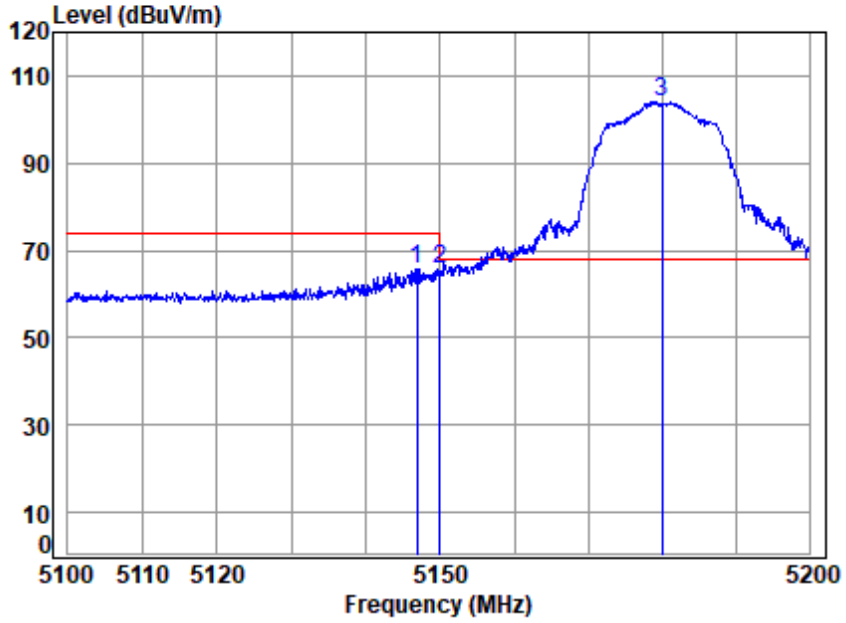
Test Mode: 27; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5180 Band edge
: 5G WIFI 11A

	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	5146.858	7.36	34.01	34.99	59.45	65.83	74.00	-8.17	peak
2	5149.980	7.36	34.00	34.99	59.36	65.73	74.00	-8.27	peak
3 q	5180.000	7.39	34.00	34.99	97.62	104.02	68.20	35.82	peak

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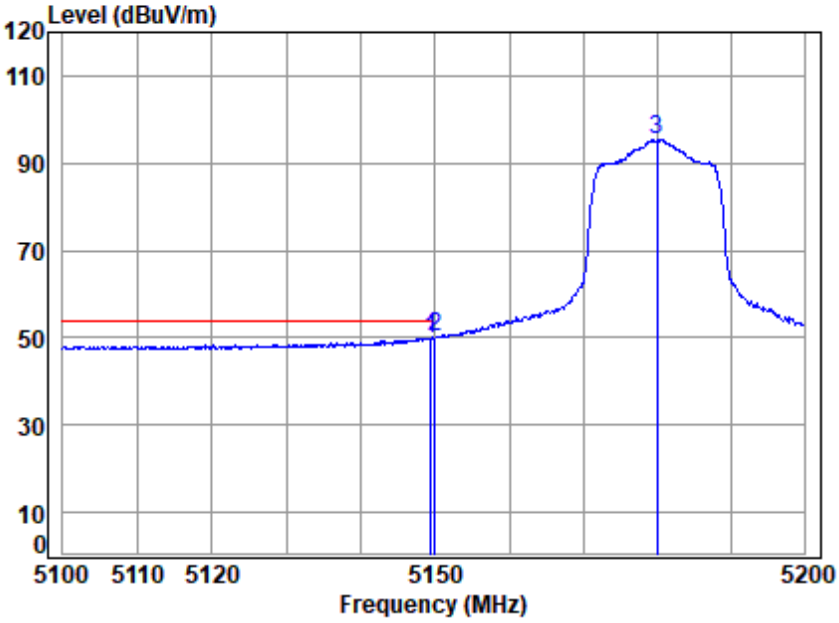
Test Mode: 27; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5180 Band edge
: 5G WIFI 11A

	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	5149.458	7.36	34.00	34.99	43.57	49.94	54.00	-4.06	Average
2 q	5149.980	7.36	34.00	34.99	43.84	50.21	54.00	-3.79	Average
3	5180.000	7.39	34.00	34.99	88.97	95.37	------	------	Average

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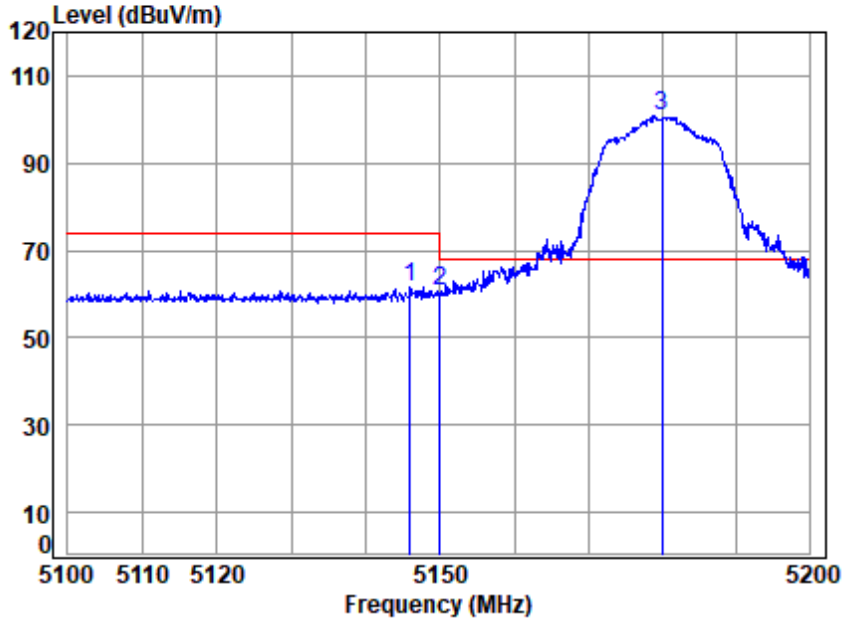
Test Mode: 27; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5180 Band edge
: 5G WIFI 11A

	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	5145.958	7.36	34.01	34.99	55.31	61.69	74.00	-12.31	Peak
2	5149.980	7.36	34.00	34.99	54.51	60.88	74.00	-13.12	Peak
3 q	5180.000	7.39	34.00	34.99	94.29	100.69	68.20	32.49	Peak

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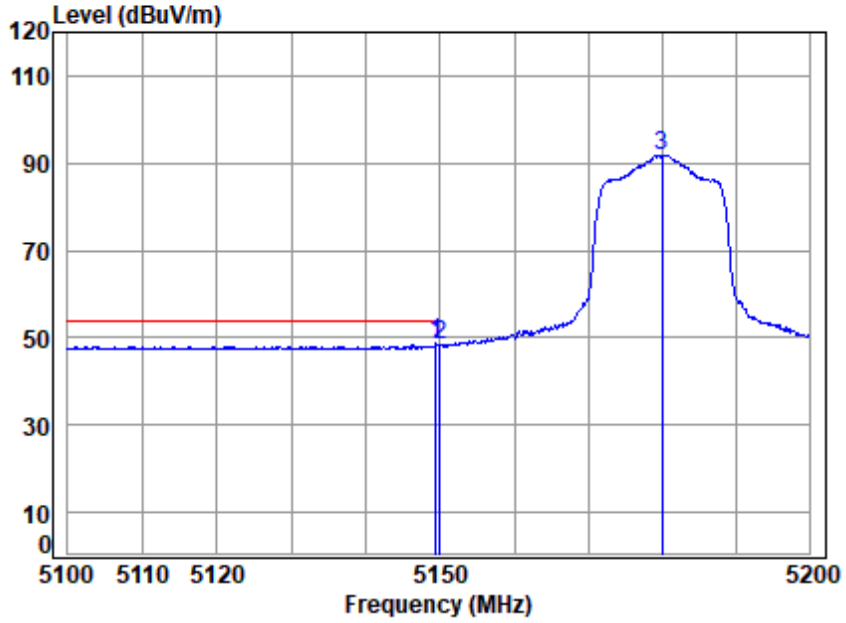
Test Mode: 27; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low




```
Site      : chamber
Condition: 3m VERTICAL
Job No    : 00912AT
Mode      : 5180 Band edge
          : 5G WIFI 11A
```

		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	q	5149.458	7.36	34.00	34.99	42.25	48.62	54.00	-5.38	Average
2		5149.980	7.36	34.00	34.99	41.91	48.28	54.00	-5.72	Average
3		5180.000	7.39	34.00	34.99	85.45	91.85	------	------	Average

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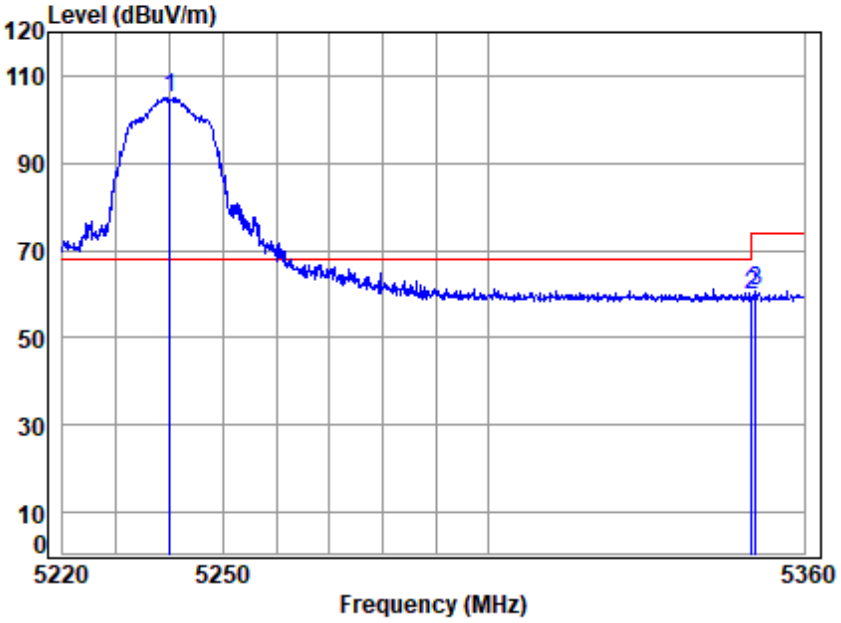
Test Mode: 27; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5240 Band edge
: 5G WIFI 11A

	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 q	5240.000	7.45	34.00	35.00	98.55	105.00	68.20	36.80	peak
2	5350.020	7.56	34.30	35.00	52.82	59.68	74.00	-14.32	peak
3	5350.787	7.56	34.30	35.00	53.82	60.68	74.00	-13.32	peak

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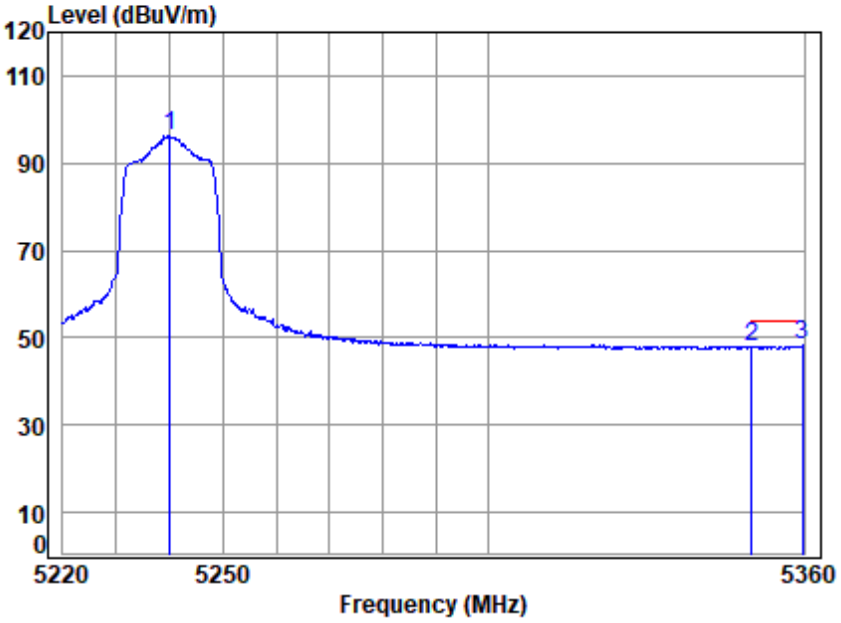
Test Mode: 27; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5240 Band edge
: 5G WIFI 11A

	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	5240.000	7.45	34.00	35.00	89.94	96.39	------	------	Average
2	5350.020	7.56	34.30	35.00	41.19	48.05	54.00	-5.95	Average
3 q	5359.716	7.57	34.34	35.00	41.30	48.21	54.00	-5.79	Average

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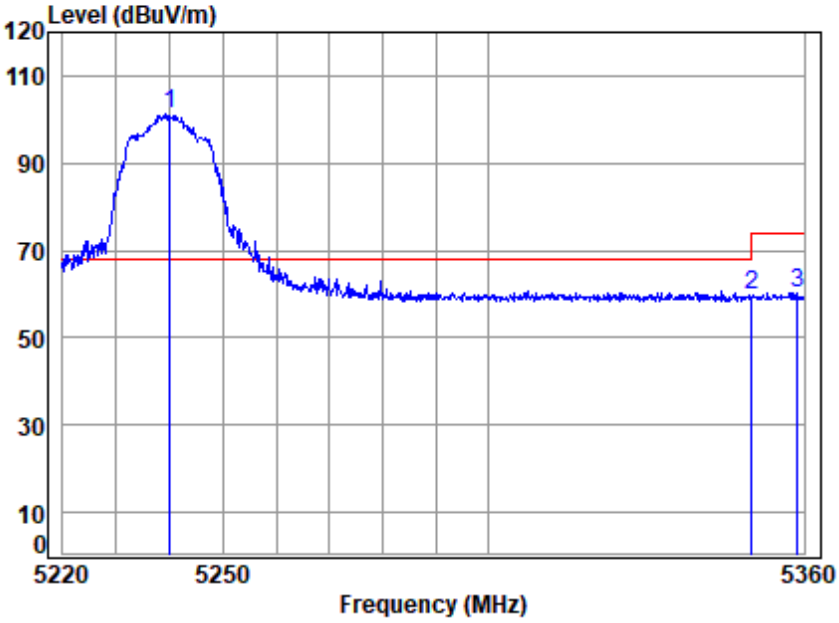
Test Mode: 27; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5240 Band edge
: 5G WIFI 11A

	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 q	5240.000	7.45	34.00	35.00	94.63	101.08	68.20	32.88	Peak
2	5350.020	7.56	34.30	35.00	52.86	59.72	74.00	-14.28	Peak
3	5358.724	7.57	34.34	35.00	53.52	60.43	74.00	-13.57	Peak

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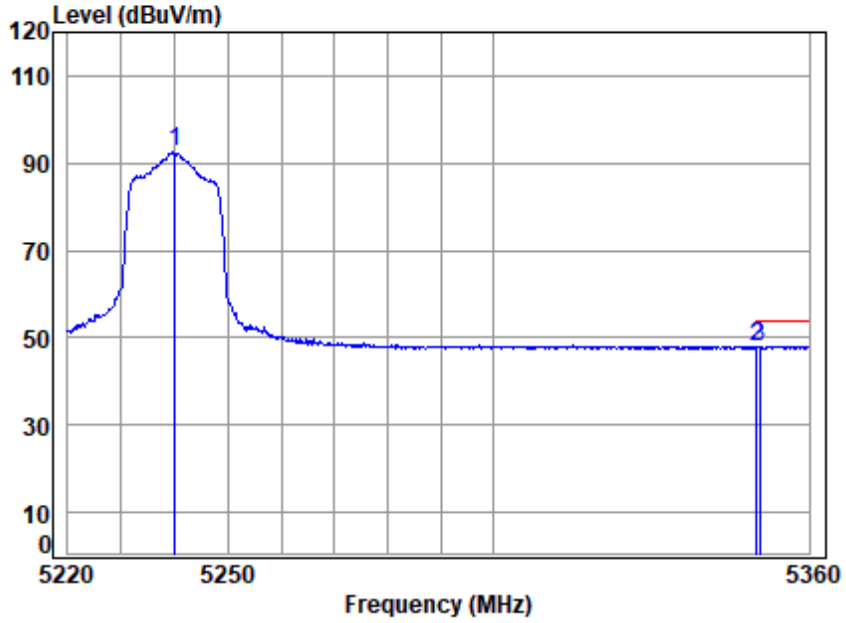
Test Mode: 27; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5240 Band edge
: 5G WIFI 11A

	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	5240.000	7.45	34.00	35.00	85.98	92.43	------	------	Average
2	5350.020	7.56	34.30	35.00	41.15	48.01	54.00	-5.99	Average
3 q	5350.504	7.56	34.30	35.00	41.21	48.07	54.00	-5.93	Average

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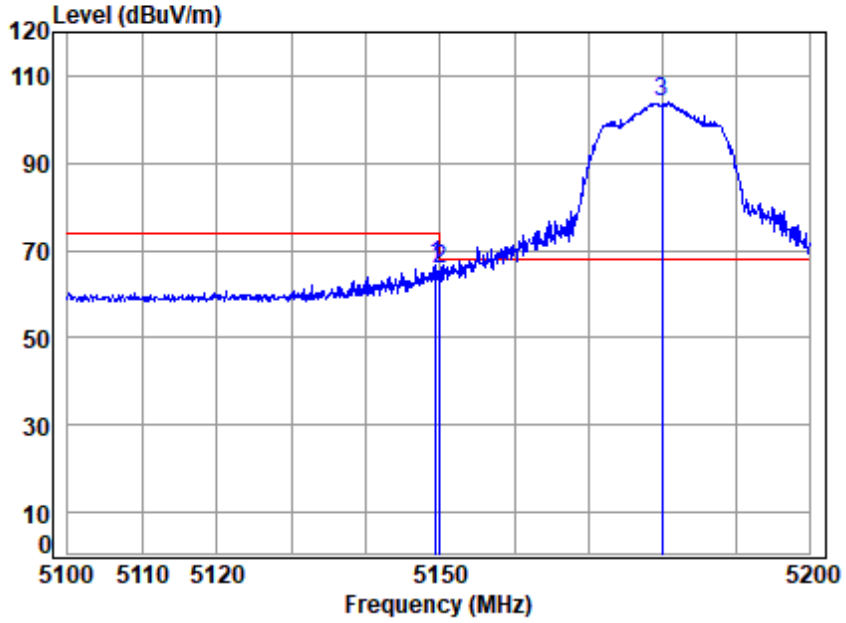
Test Mode: 27; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5180 Band edge
: 5G WIFI 11N20

	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	5149.357	7.36	34.00	34.99	60.30	66.67	74.00	-7.33	peak
2	5149.980	7.36	34.00	34.99	59.18	65.55	74.00	-8.45	peak
3 q	5180.000	7.39	34.00	34.99	97.55	103.95	68.20	35.75	peak

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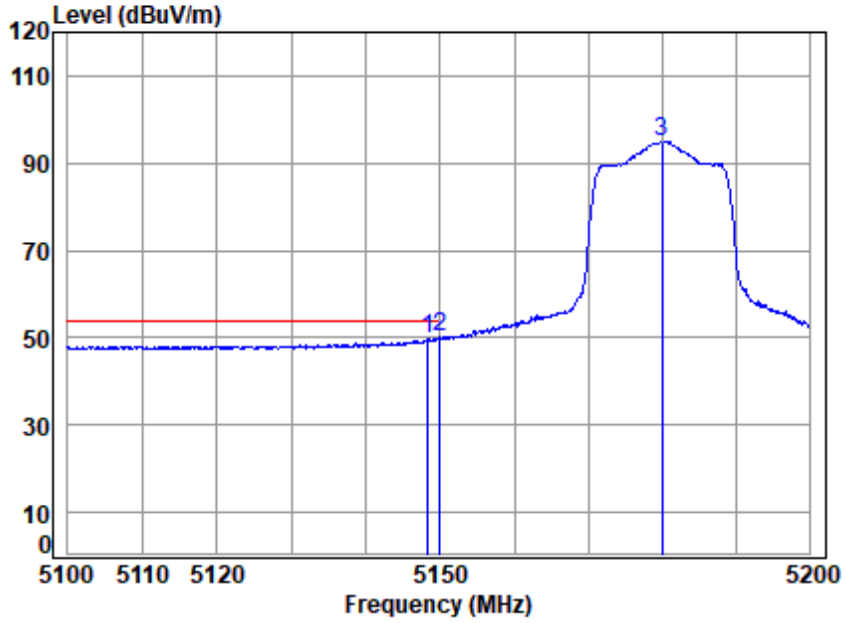
Test Mode: 27; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5180 Band edge
: 5G WIFI 11N20

	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	5148.357	7.36	34.00	34.99	43.46	49.83	54.00	-4.17	Average
2 q	5149.980	7.36	34.00	34.99	43.67	50.04	54.00	-3.96	Average
3	5180.000	7.39	34.00	34.99	88.62	95.02	------	------	Average

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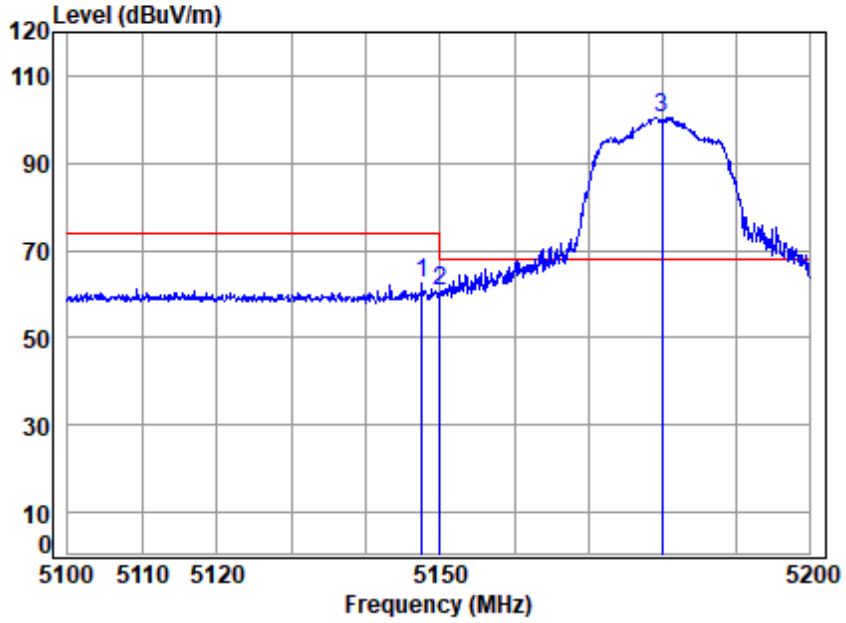
Test Mode: 27; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5180 Band edge
: 5G WIFI 11N20

	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	5147.558	7.36	34.00	34.99	56.26	62.63	74.00	-11.37	Peak
2	5149.980	7.36	34.00	34.99	54.22	60.59	74.00	-13.41	Peak
3 q	5180.000	7.39	34.00	34.99	94.14	100.54	68.20	32.34	Peak

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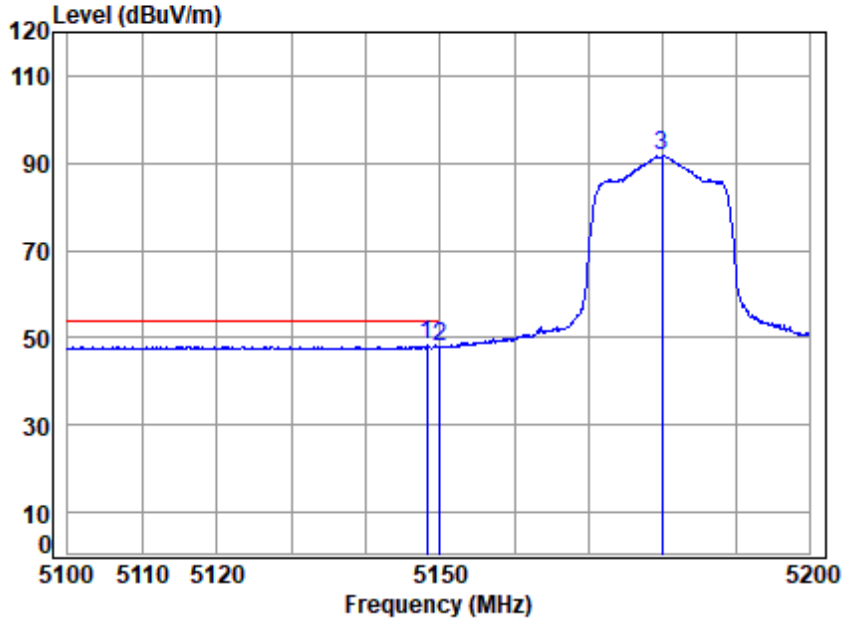
Test Mode: 27; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low




```
Site      : chamber
Condition: 3m VERTICAL
Job No    : 00912AT
Mode      : 5180 Band edge
          : 5G WIFI 11N20
```

		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	q	5148.257	7.36	34.00	34.99	41.91	48.28	54.00	-5.72	Average
2		5149.980	7.36	34.00	34.99	41.69	48.06	54.00	-5.94	Average
3		5180.000	7.39	34.00	34.99	85.36	91.76	------	------	Average

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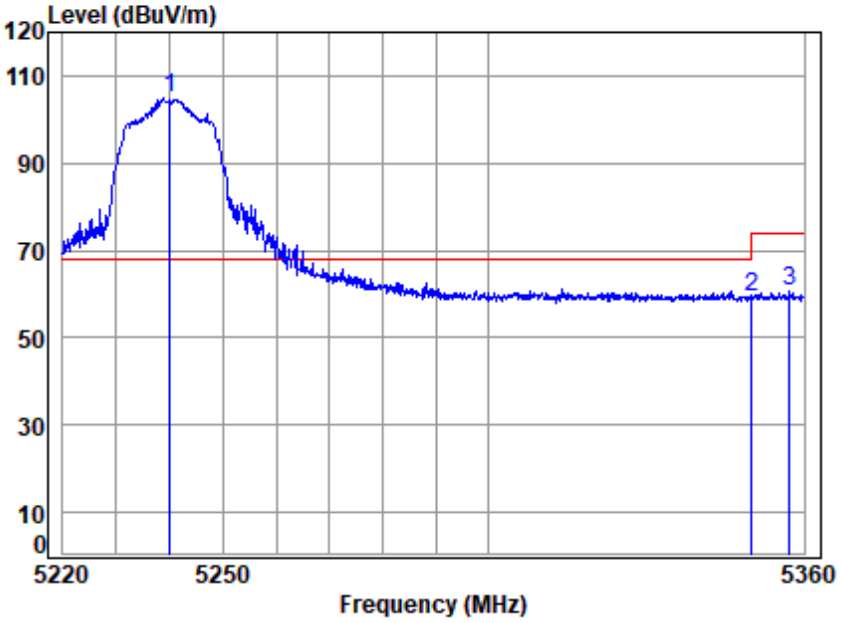
Test Mode: 27; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5240 Band edge
: 5G WIFI 11N20

	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 q	5240.000	7.45	34.00	35.00	98.56	105.01	68.20	36.81	peak
2	5350.020	7.56	34.30	35.00	52.24	59.10	74.00	-14.90	peak
3	5357.164	7.57	34.33	35.00	53.87	60.77	74.00	-13.23	peak

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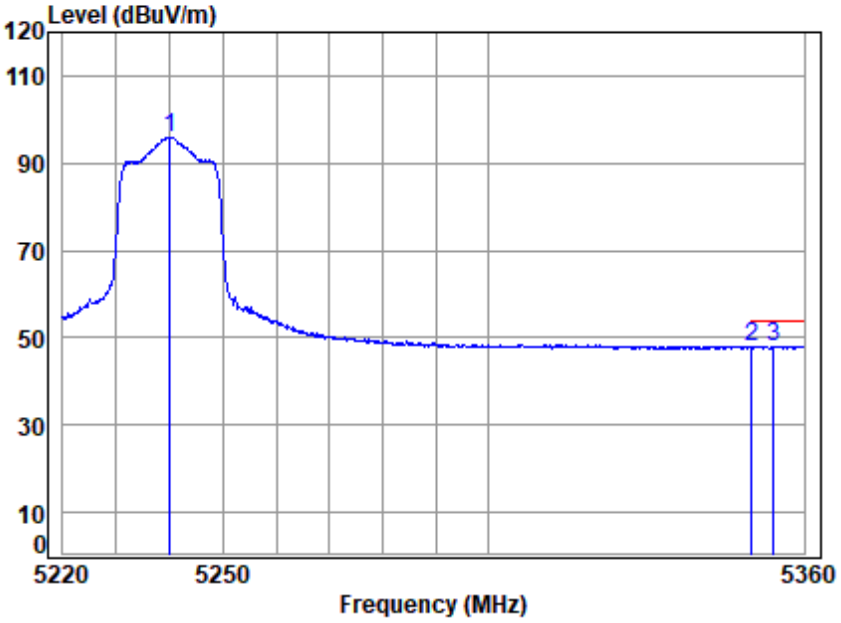
Test Mode: 27; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5240 Band edge
: 5G WIFI 11N20

	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	5240.000	7.45	34.00	35.00	89.47	95.92	------	------	Average
2	5350.020	7.56	34.30	35.00	40.99	47.85	54.00	-6.15	Average
3 q	5354.187	7.57	34.32	35.00	41.24	48.13	54.00	-5.87	Average

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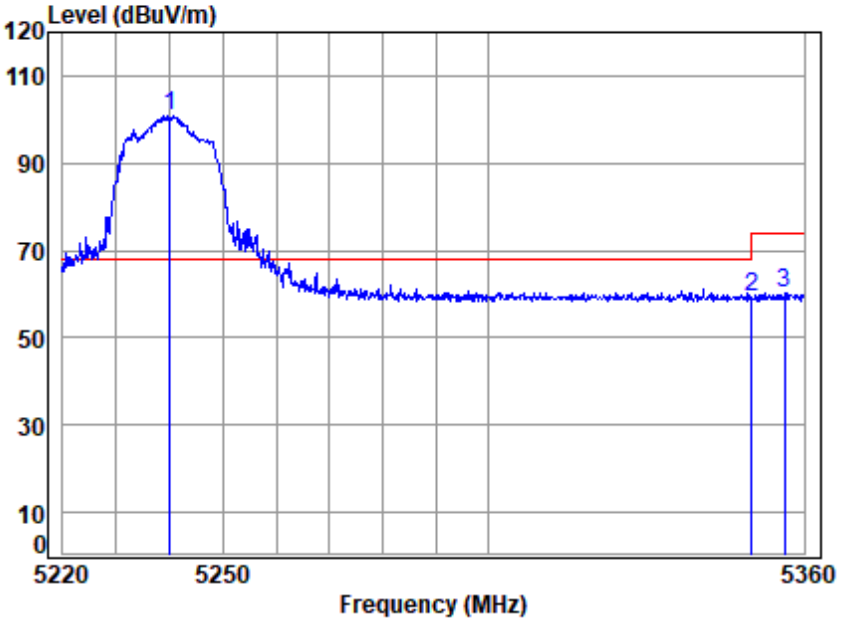
Test Mode: 27; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5240 Band edge
: 5G WIFI 11N20

	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 q	5240.000	7.45	34.00	35.00	94.36	100.81	68.20	32.61	Peak
2	5350.020	7.56	34.30	35.00	52.60	59.46	74.00	-14.54	Peak
3	5356.313	7.57	34.33	35.00	53.14	60.04	74.00	-13.96	Peak

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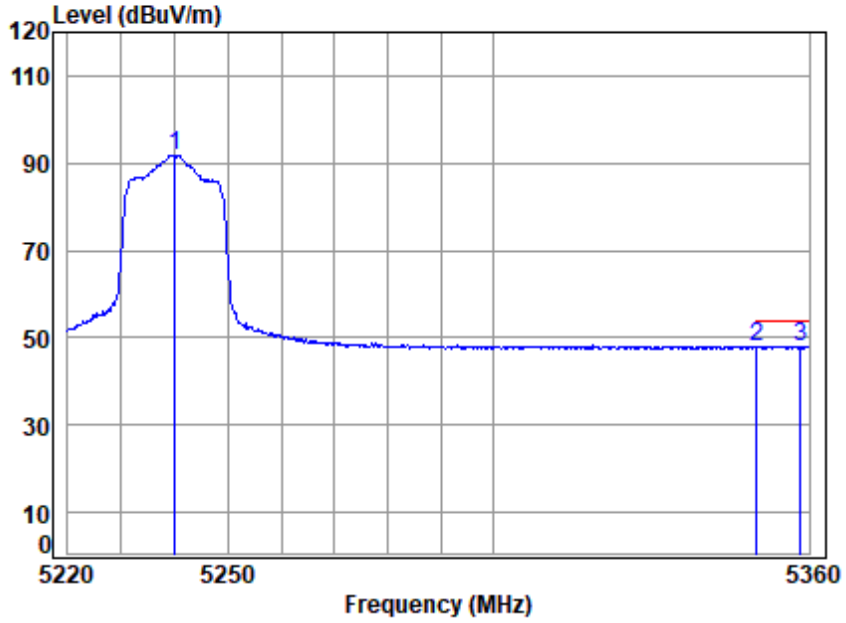
Test Mode: 27; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5240 Band edge
: 5G WIFI 11N20

	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	5240.000	7.45	34.00	35.00	85.38	91.83	------	------	Average
2	5350.020	7.56	34.30	35.00	41.12	47.98	54.00	-6.02	Average
3 q	5358.440	7.57	34.33	35.00	41.22	48.12	54.00	-5.88	Average

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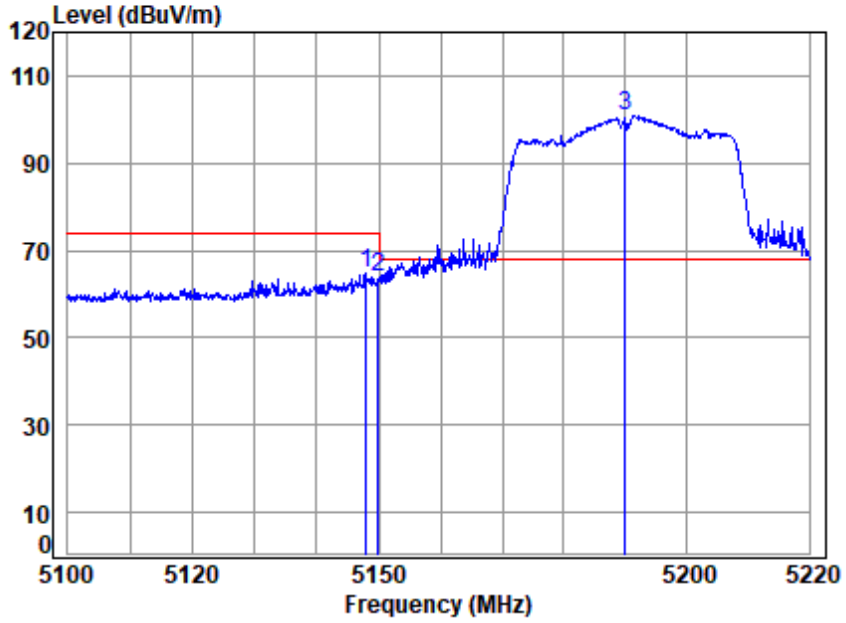
Test Mode: 27; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5190 Band edge
: 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	5147.905	7.36	34.00	34.99	58.22	64.59	74.00	-9.41	peak
2	5149.980	7.36	34.00	34.99	57.47	63.84	74.00	-10.16	peak
3 q	5190.000	7.40	34.00	34.99	94.53	100.94	68.20	32.74	peak

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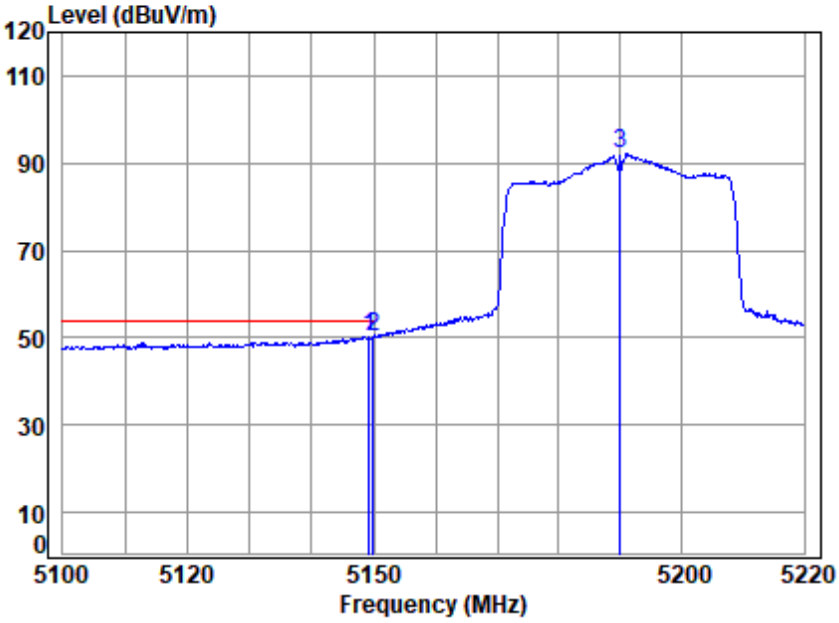
Test Mode: 27; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low




```
Site      : chamber
Condition: 3m HORIZONTAL
Job No    : 00912AT
Mode      : 5190 Band edge
          : 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	q	5149.222	7.36	34.00	34.99	43.93	50.30	54.00	-3.70	Average
2		5149.980	7.36	34.00	34.99	43.72	50.09	54.00	-3.91	Average
3		5190.000	7.40	34.00	34.99	85.64	92.05	------	------	Average

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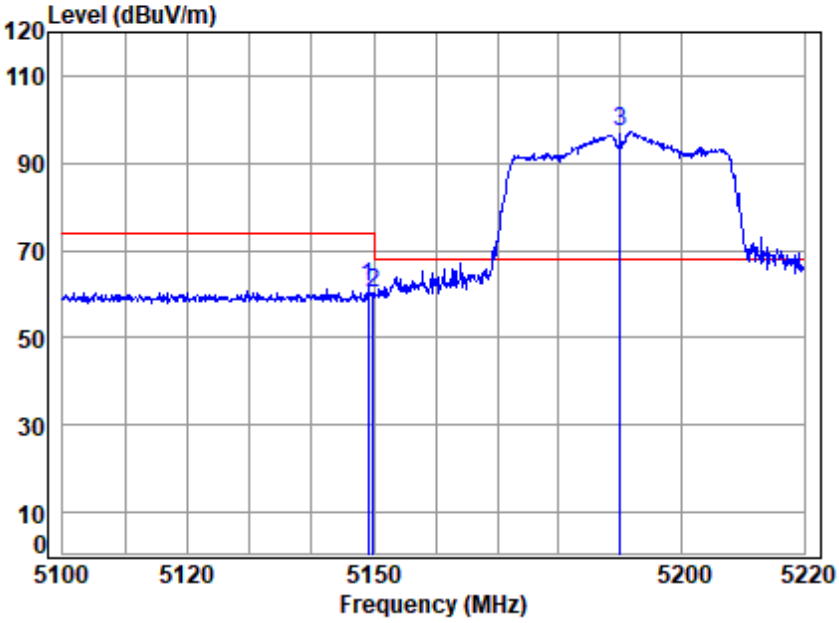
Test Mode: 27; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5190 Band edge
: 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	5149.102	7.36	34.00	34.99	55.14	61.51	74.00	-12.49	Peak
2	5149.980	7.36	34.00	34.99	53.99	60.36	74.00	-13.64	Peak
3 q	5190.000	7.40	34.00	34.99	90.91	97.32	68.20	29.12	Peak

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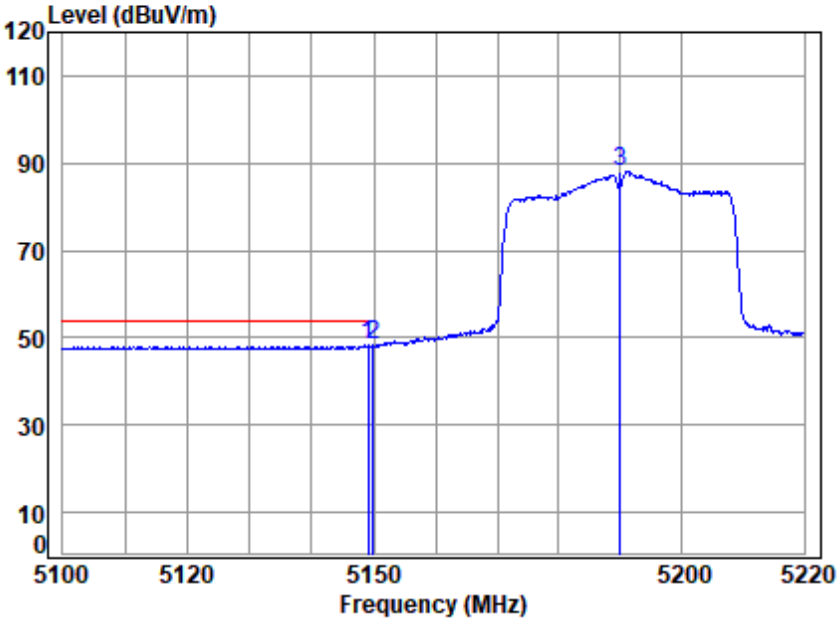
Test Mode: 27; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5190 Band edge
: 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	5149.102	7.36	34.00	34.99	41.83	48.20	54.00	-5.80	Average
2 q	5149.980	7.36	34.00	34.99	42.22	48.59	54.00	-5.41	Average
3	5190.000	7.40	34.00	34.99	81.80	88.21	------	------	Average

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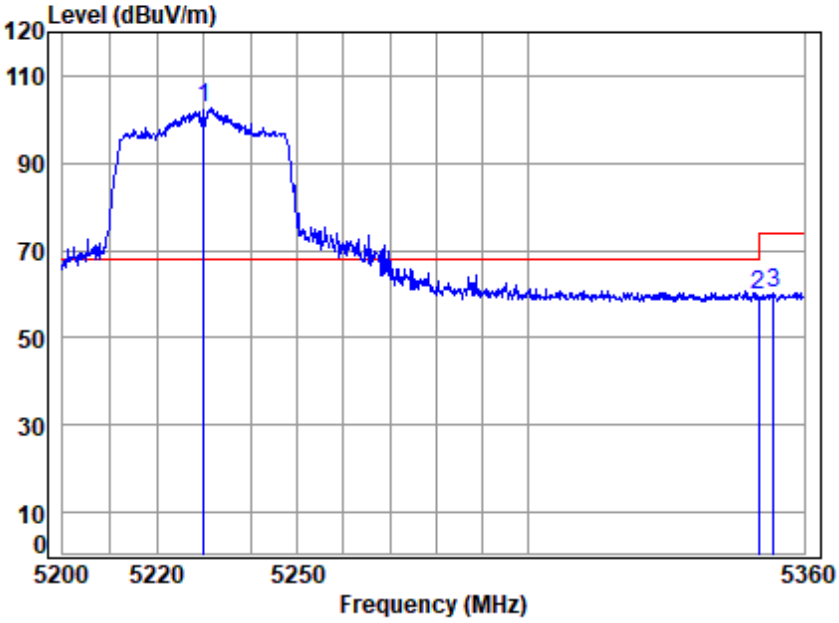
Test Mode: 27; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High




```
Site      : chamber
Condition: 3m HORIZONTAL
Job No    : 00912AT
Mode      : 5230 Band edge
          : 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	q	5230.000	7.44	34.00	34.99	96.07	102.52	68.20	34.32	peak
2		5350.020	7.56	34.30	35.00	53.06	59.92	74.00	-14.08	peak
3		5353.344	7.57	34.31	35.00	53.33	60.21	74.00	-13.79	peak

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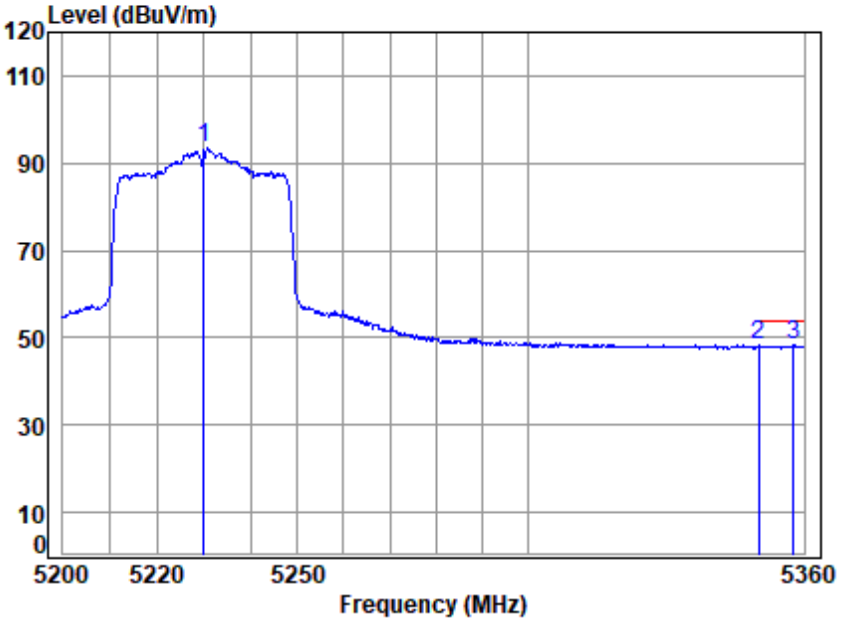
Test Mode: 27; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5230 Band edge
: 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	5230.000	7.44	34.00	34.99	86.98	93.43	------	------	Average
2 q	5350.020	7.56	34.30	35.00	41.51	48.37	54.00	-5.63	Average
3	5357.727	7.57	34.33	35.00	41.31	48.21	54.00	-5.79	Average

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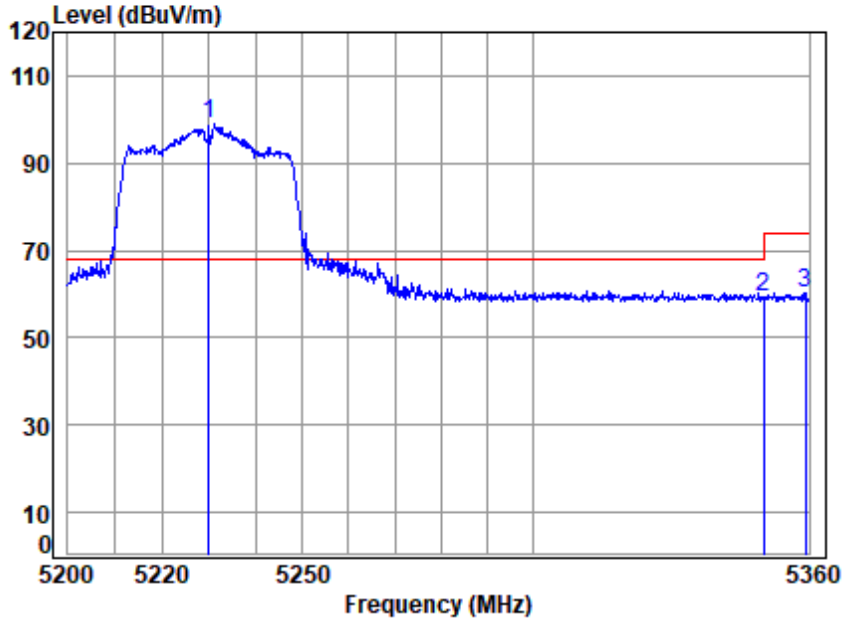
Test Mode: 27; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5230 Band edge
: 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 q	5230.000	7.44	34.00	34.99	92.38	98.83	68.20	30.63	Peak
2	5350.020	7.56	34.30	35.00	52.42	59.28	74.00	-14.72	Peak
3	5359.188	7.57	34.34	35.00	53.27	60.18	74.00	-13.82	Peak

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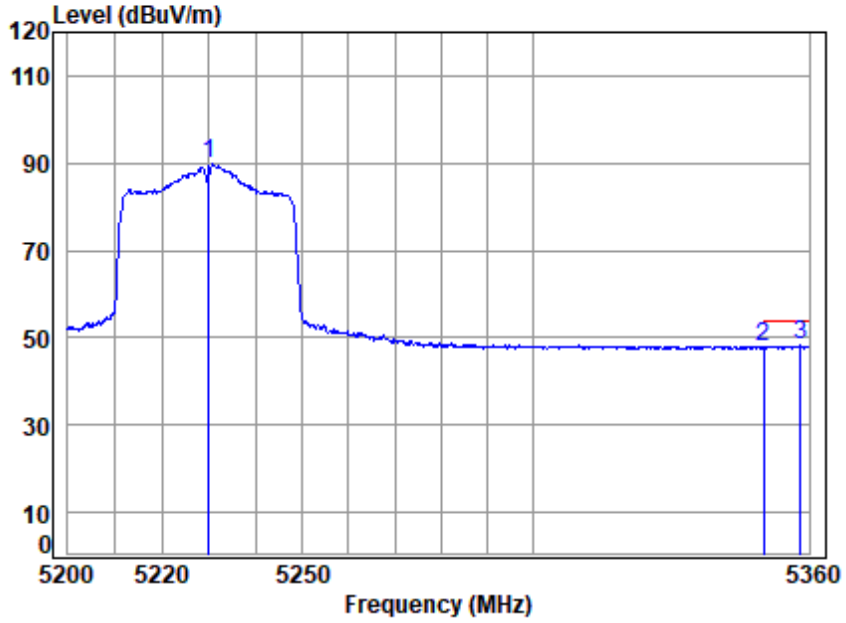
Test Mode: 27; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5230 Band edge
: 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	5230.000	7.44	34.00	34.99	83.23	89.68	------	------	Average
2	5350.020	7.56	34.30	35.00	40.99	47.85	54.00	-6.15	Average
3 q	5358.051	7.57	34.33	35.00	41.43	48.33	54.00	-5.67	Average

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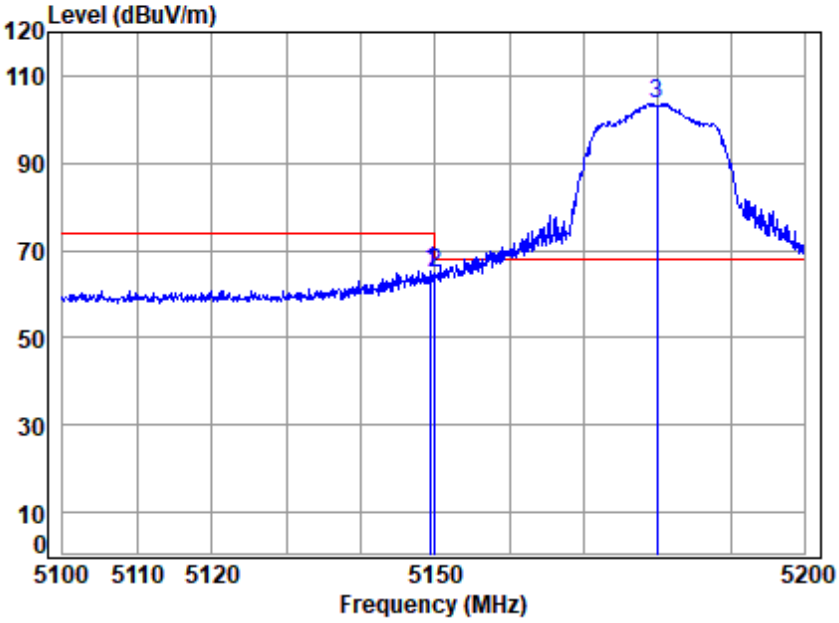
Test Mode: 27; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5180 Band edge
: 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	5149.458	7.36	34.00	34.99	59.09	65.46	74.00	-8.54	peak
2	5149.980	7.36	34.00	34.99	58.21	64.58	74.00	-9.42	peak
3 q	5180.000	7.39	34.00	34.99	97.26	103.66	68.20	35.46	peak

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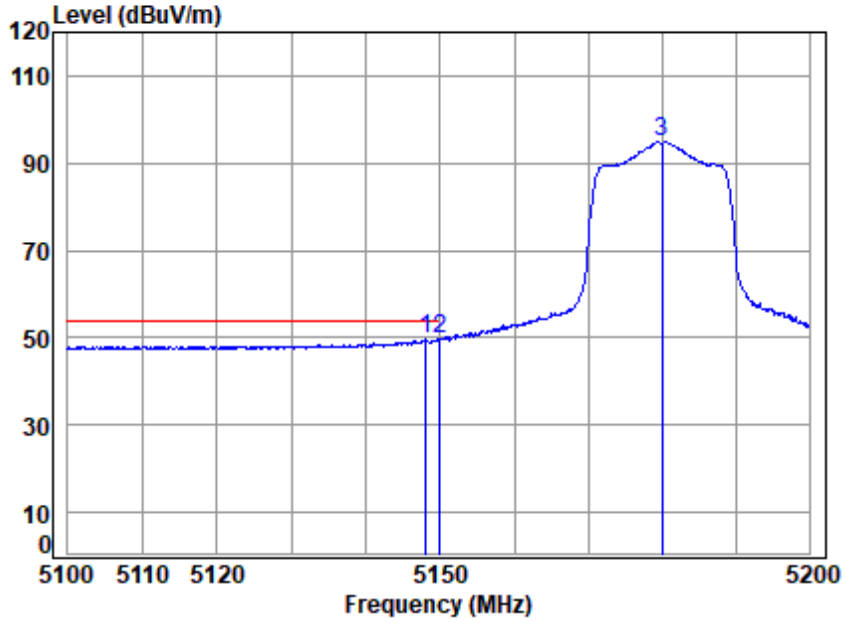
Test Mode: 27; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5180 Band edge
: 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	5148.058	7.36	34.00	34.99	43.19	49.56	54.00	-4.44	Average
2 q	5149.980	7.36	34.00	34.99	43.26	49.63	54.00	-4.37	Average
3	5180.000	7.39	34.00	34.99	88.62	95.02	------	------	Average

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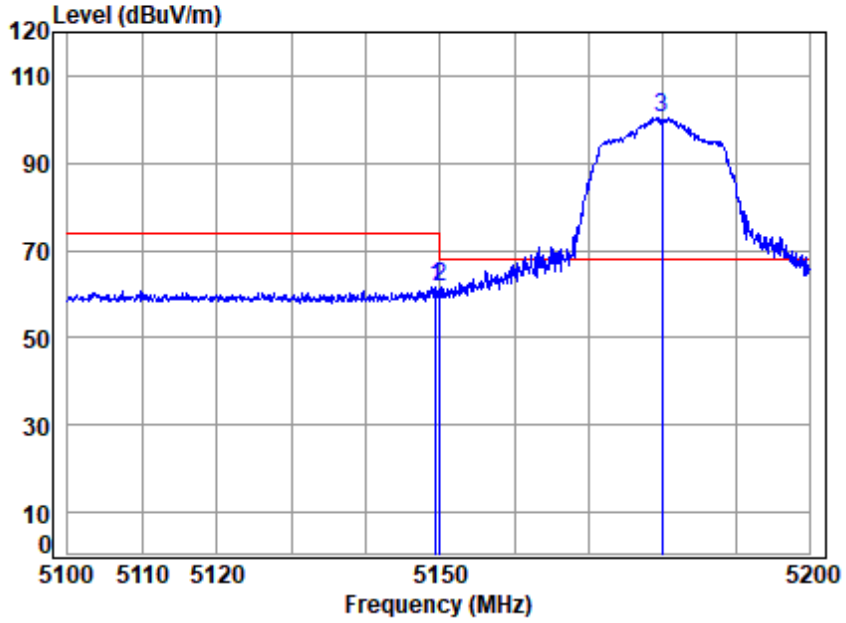
Test Mode: 27; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5180 Band edge
: 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	5149.458	7.36	34.00	34.99	55.45	61.82	74.00	-12.18	Peak
2	5149.980	7.36	34.00	34.99	55.32	61.69	74.00	-12.31	Peak
3 q	5180.000	7.39	34.00	34.99	94.07	100.47	68.20	32.27	Peak

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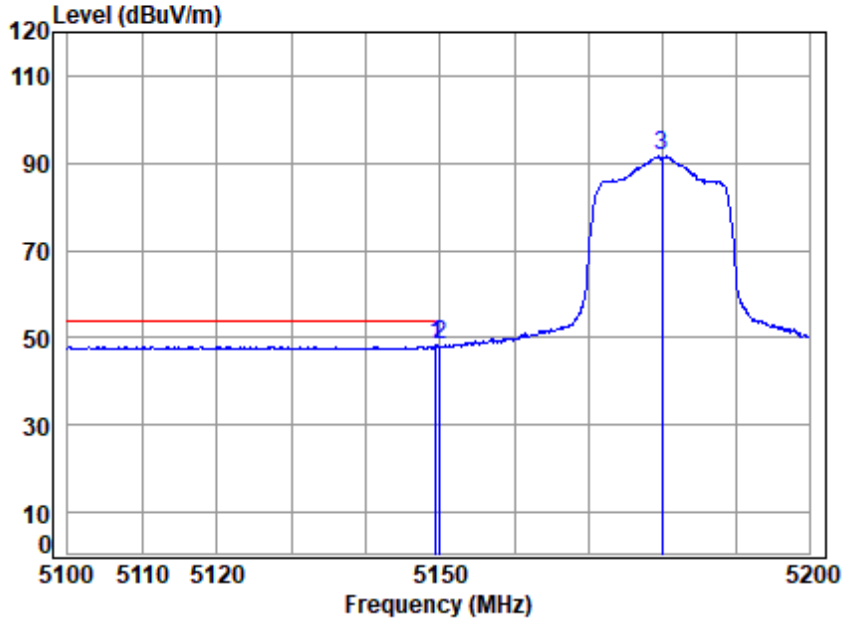
Test Mode: 27; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5180 Band edge
: 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 q	5149.458	7.36	34.00	34.99	41.84	48.21	54.00	-5.79	Average
2	5149.980	7.36	34.00	34.99	41.81	48.18	54.00	-5.82	Average
3	5180.000	7.39	34.00	34.99	85.24	91.64	------	------	Average

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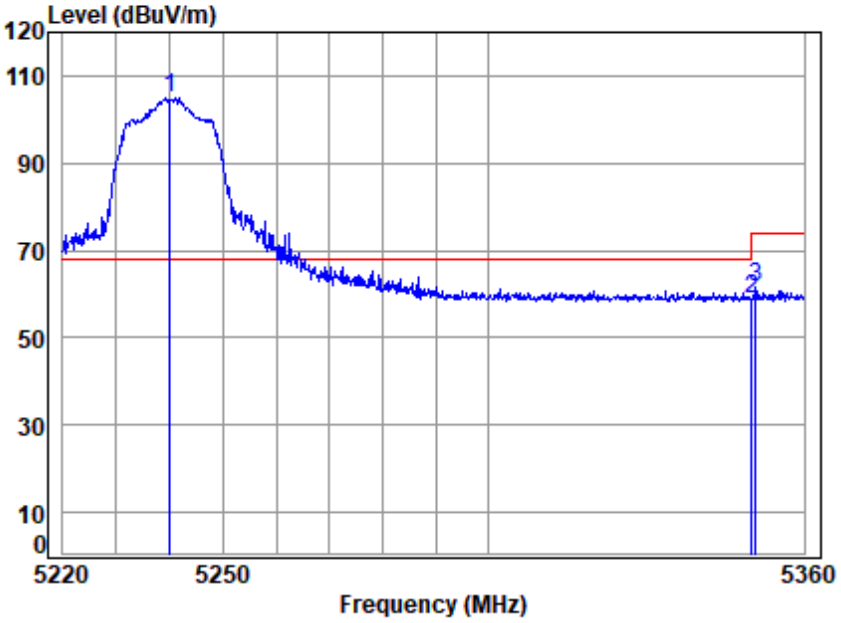
Test Mode: 27; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High




```
Site      : chamber
Condition: 3m HORIZONTAL
Job No    : 00912AT
Mode      : 5240 Band edge
          : 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	q	5240.000	7.45	34.00	35.00	98.64	105.09	68.20	36.89	peak
2		5350.020	7.56	34.30	35.00	52.19	59.05	74.00	-14.95	peak
3		5350.787	7.56	34.30	35.00	54.78	61.64	74.00	-12.36	peak

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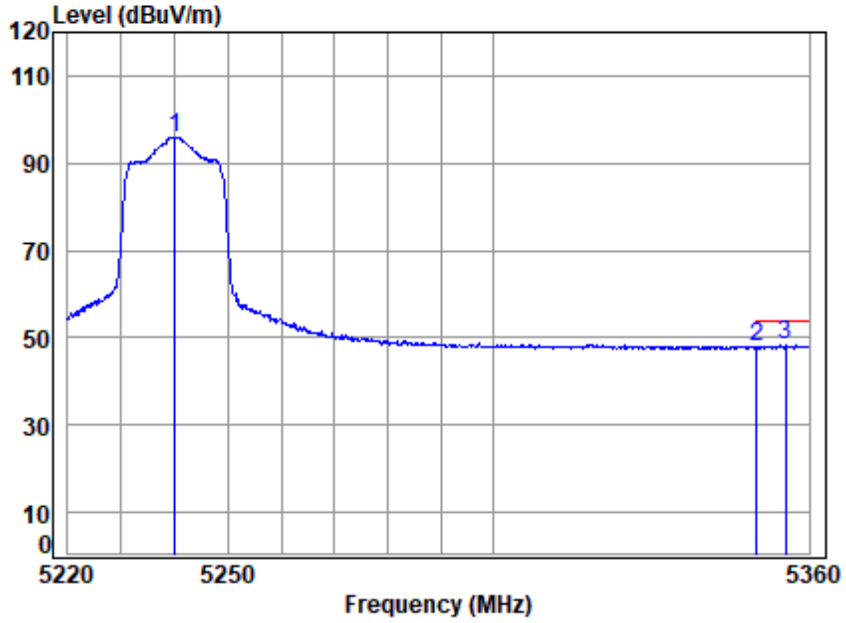
Test Mode: 27; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5240 Band edge
: 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	5240.000	7.45	34.00	35.00	89.57	96.02	------	------	Average
2	5350.020	7.56	34.30	35.00	40.91	47.77	54.00	-6.23	Average
3 q	5355.462	7.57	34.32	35.00	41.55	48.44	54.00	-5.56	Average

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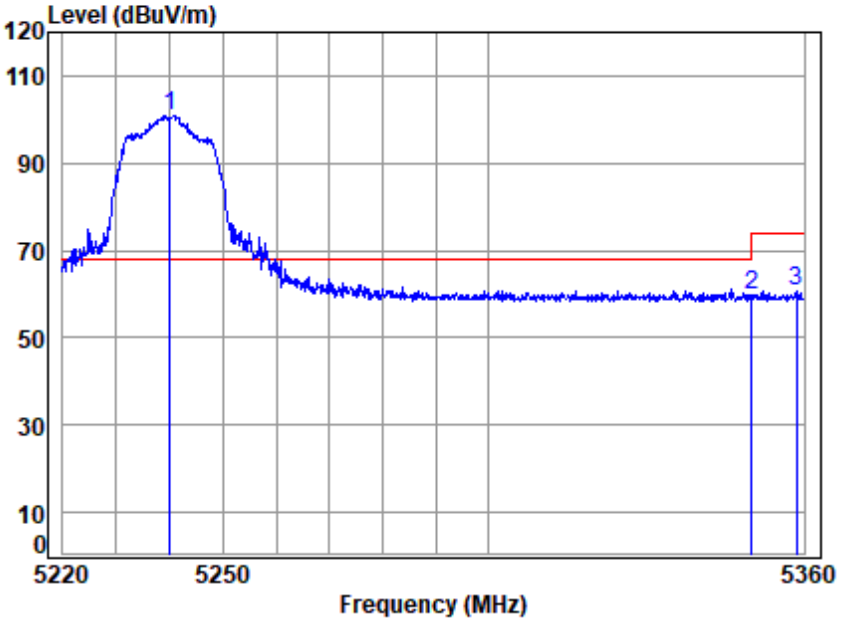

Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5240 Band edge
: 5G WIFI 11AC20

	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 q	5240.000	7.45	34.00	35.00	94.32	100.77	68.20	32.57	Peak
2	5350.020	7.56	34.30	35.00	52.82	59.68	74.00	-14.32	Peak
3	5358.582	7.57	34.33	35.00	53.67	60.57	74.00	-13.43	Peak

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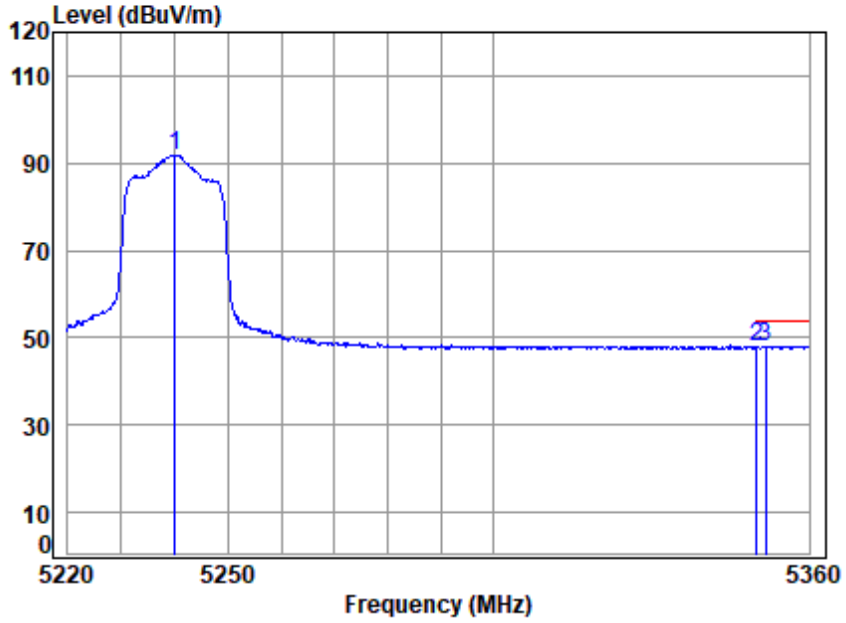
Test Mode: 27; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5240 Band edge
: 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	5240.000	7.45	34.00	35.00	85.35	91.80	------	------	Average
2	5350.020	7.56	34.30	35.00	41.12	47.98	54.00	-6.02	Average
3 q	5351.637	7.56	34.31	35.00	41.26	48.13	54.00	-5.87	Average

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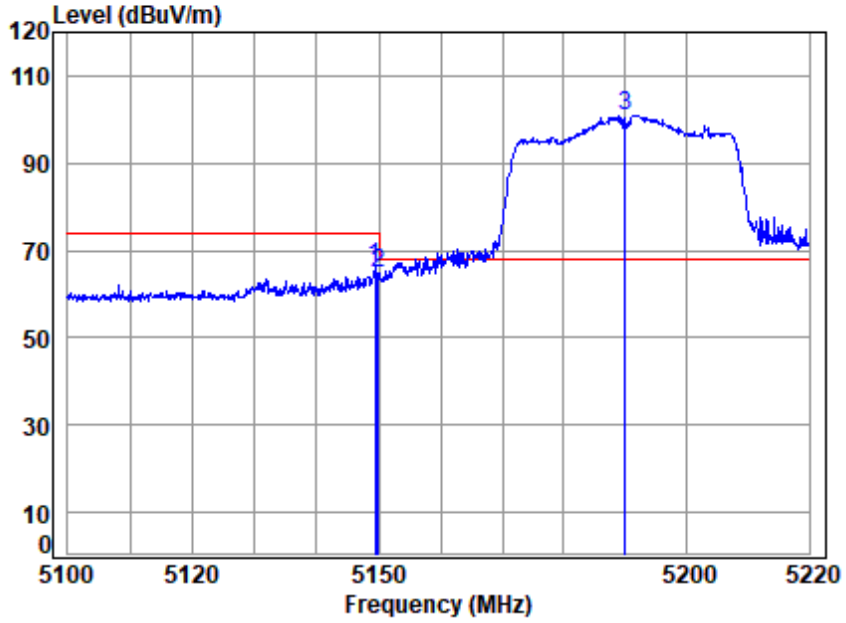
Test Mode: 27; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5190 Band edge
: 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	5149.461	7.36	34.00	34.99	59.65	66.02	74.00	-7.98	peak
2	5149.980	7.36	34.00	34.99	58.65	65.02	74.00	-8.98	peak
3 q	5190.000	7.40	34.00	34.99	94.65	101.06	68.20	32.86	peak

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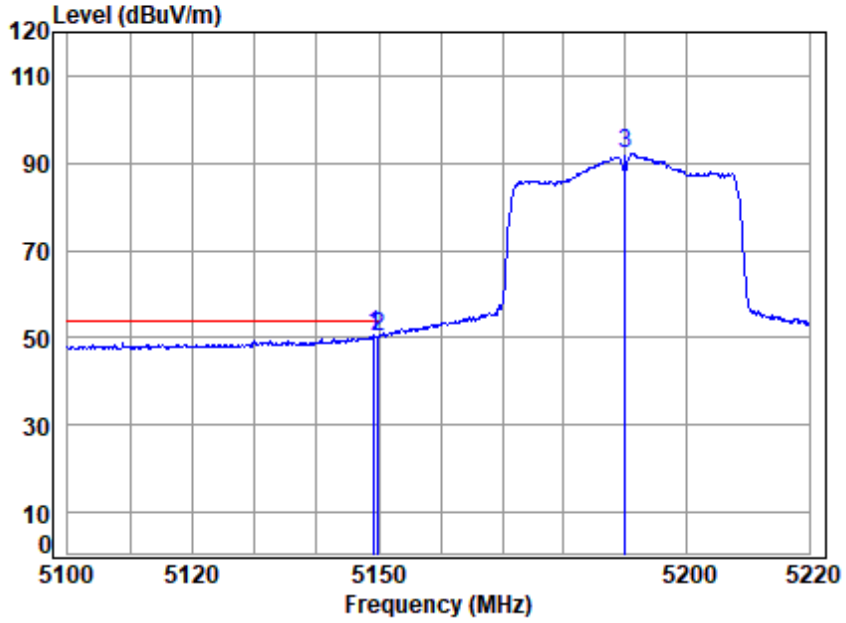
Test Mode: 27; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5190 Band edge
: 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 q	5149.222	7.36	34.00	34.99	44.19	50.56	54.00	-3.44	Average
2	5149.980	7.36	34.00	34.99	43.93	50.30	54.00	-3.70	Average
3	5190.000	7.40	34.00	34.99	85.89	92.30	------	------	Average

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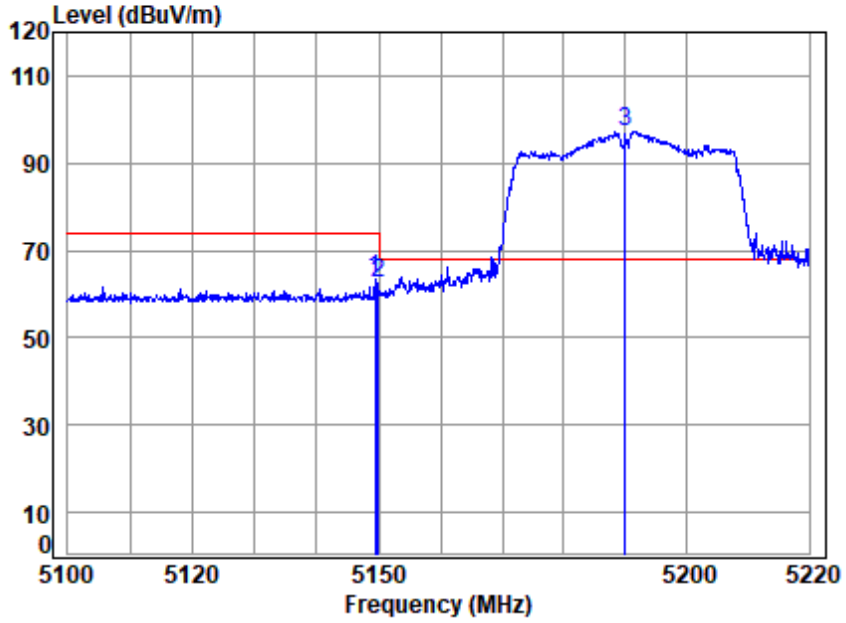
Test Mode: 27; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5190 Band edge
: 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	5149.461	7.36	34.00	34.99	56.86	63.23	74.00	-10.77	Peak
2	5149.980	7.36	34.00	34.99	55.98	62.35	74.00	-11.65	Peak
3 q	5190.000	7.40	34.00	34.99	91.00	97.41	68.20	29.21	Peak

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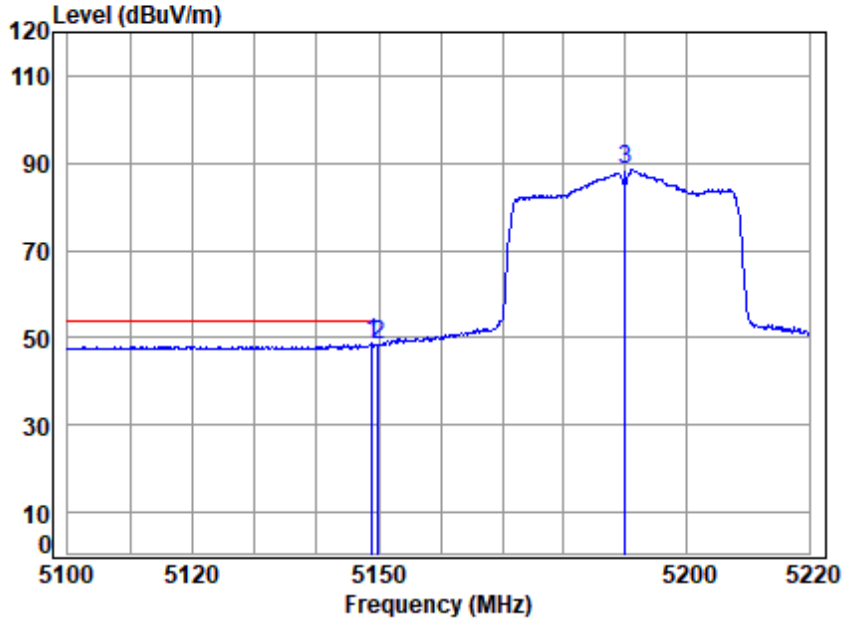
Test Mode: 27; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5190 Band edge
: 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 q	5148.863	7.36	34.00	34.99	42.25	48.62	54.00	-5.38	Average
2	5149.980	7.36	34.00	34.99	42.21	48.58	54.00	-5.42	Average
3	5190.000	7.40	34.00	34.99	82.11	88.52	------	------	Average

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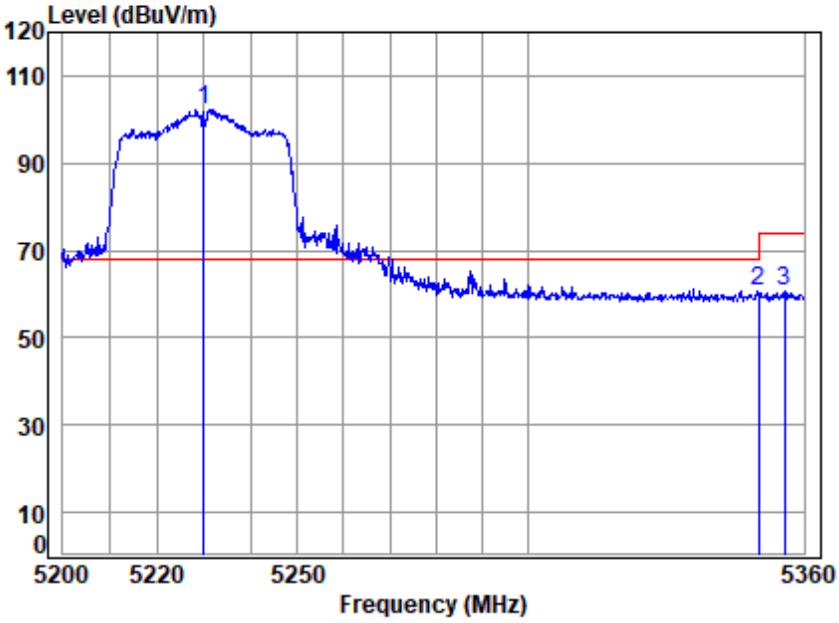
Test Mode: 27; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High




```
Site      : chamber
Condition: 3m HORIZONTAL
Job No    : 00912AT
Mode      : 5230 Band edge
          : 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	q	5230.000	7.44	34.00	34.99	95.92	102.37	68.20	34.17	peak
2		5350.020	7.56	34.30	35.00	53.71	60.57	74.00	-13.43	peak
3		5355.616	7.57	34.32	35.00	53.63	60.52	74.00	-13.48	peak

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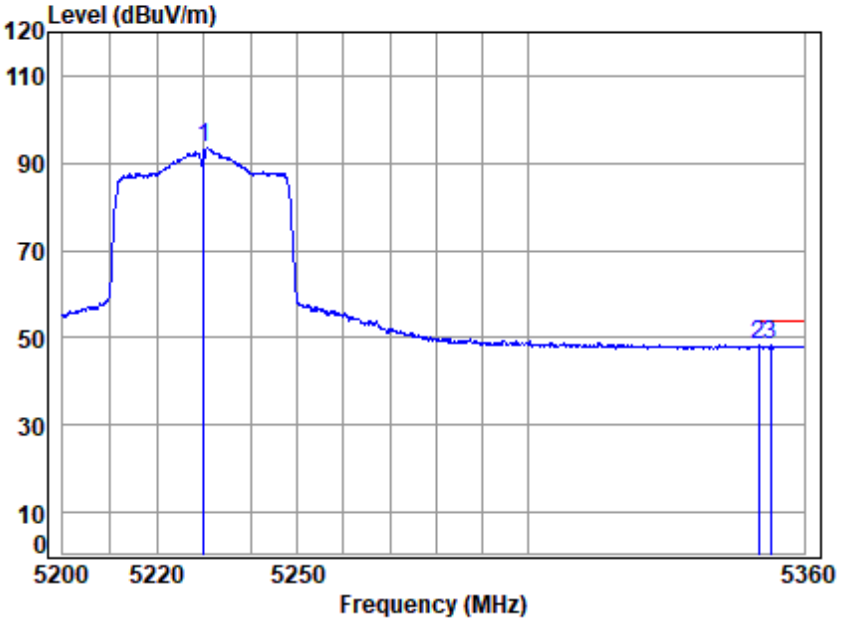
Test Mode: 27; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5230 Band edge
: 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	5230.000	7.44	34.00	34.99	87.17	93.62	------	------	Average
2	5350.020	7.56	34.30	35.00	41.29	48.15	54.00	-5.85	Average
3 q	5352.695	7.57	34.31	35.00	41.31	48.19	54.00	-5.81	Average

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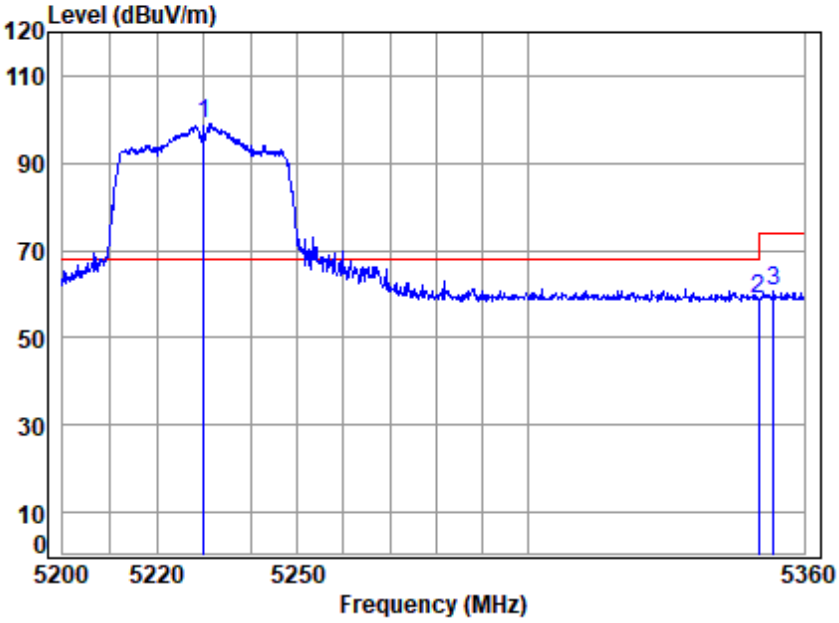
Test Mode: 27; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5230 Band edge
: 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 q	5230.000	7.44	34.00	34.99	92.66	99.11	68.20	30.91	Peak
2	5350.020	7.56	34.30	35.00	52.11	58.97	74.00	-15.03	Peak
3	5353.344	7.57	34.31	35.00	53.78	60.66	74.00	-13.34	Peak

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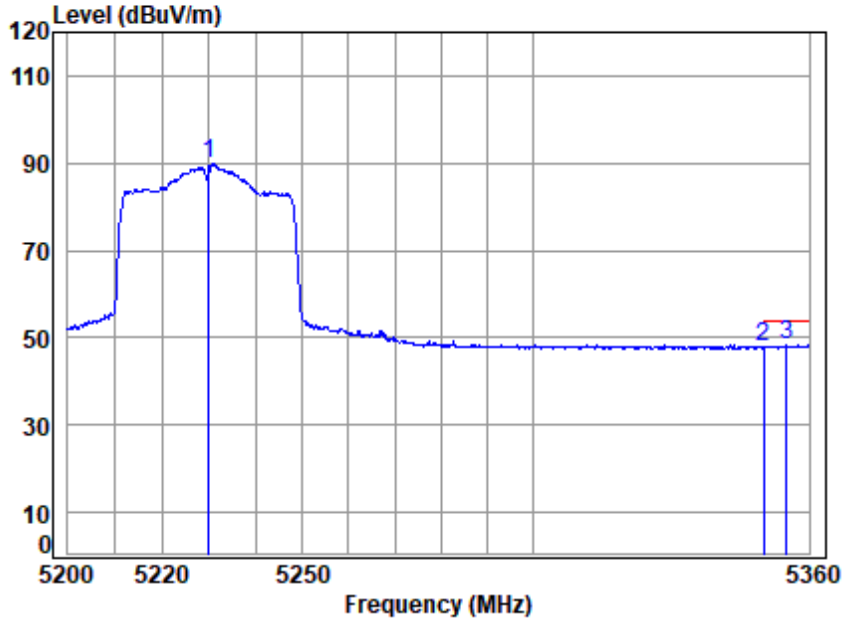

Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5230 Band edge
: 5G WIFI 11AC40

	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	5230.000	7.44	34.00	34.99	83.54	89.99	------	------	Average
2	5350.020	7.56	34.30	35.00	41.10	47.96	54.00	-6.04	Average
3 q	5355.129	7.57	34.32	35.00	41.46	48.35	54.00	-5.65	Average

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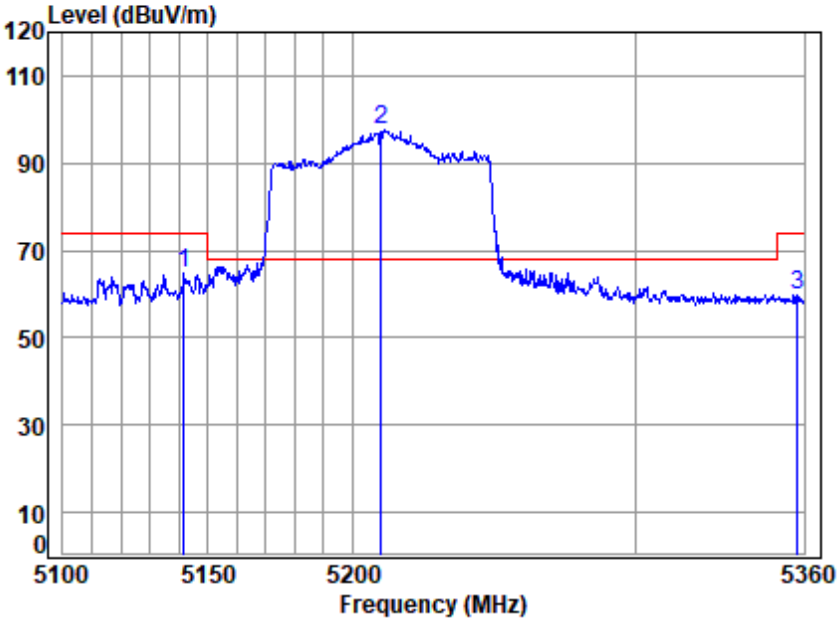
Test Mode: 27; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5210 Band edge
: 5G WIFI 11AC80

	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	5141.759	7.36	34.02	34.99	58.48	64.87	74.00	-9.13	peak
2 q	5210.000	7.42	34.00	34.99	91.39	97.82	68.20	29.62	peak
3	5357.602	7.57	34.33	35.00	53.00	59.90	74.00	-14.10	peak

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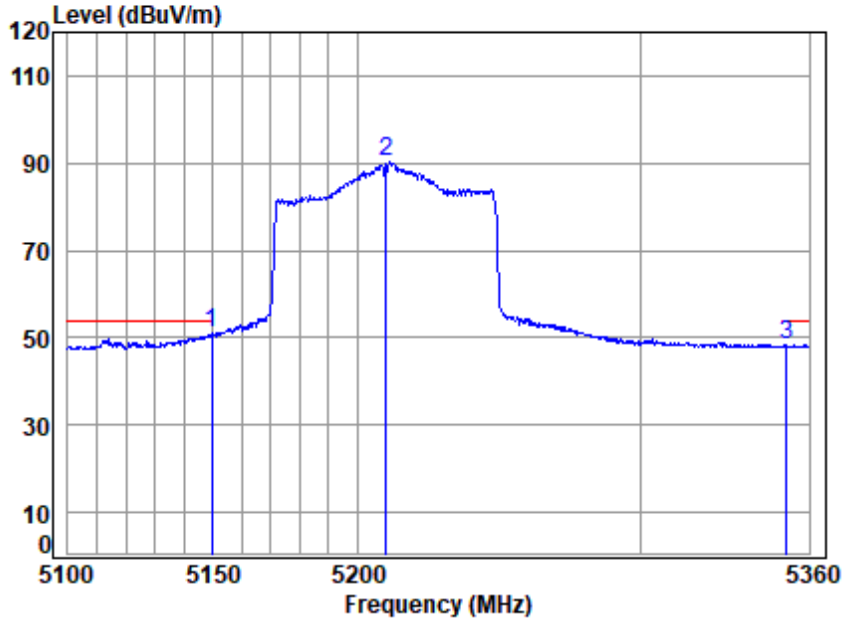
Test Mode: 27; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5210 Band edge
: 5G WIFI 11AC80

	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 q	5149.435	7.36	34.00	34.99	44.54	50.91	54.00	-3.09	Average
2	5210.000	7.42	34.00	34.99	84.14	90.57	------	------	Average
3	5351.744	7.56	34.31	35.00	41.68	48.55	54.00	-5.45	Average

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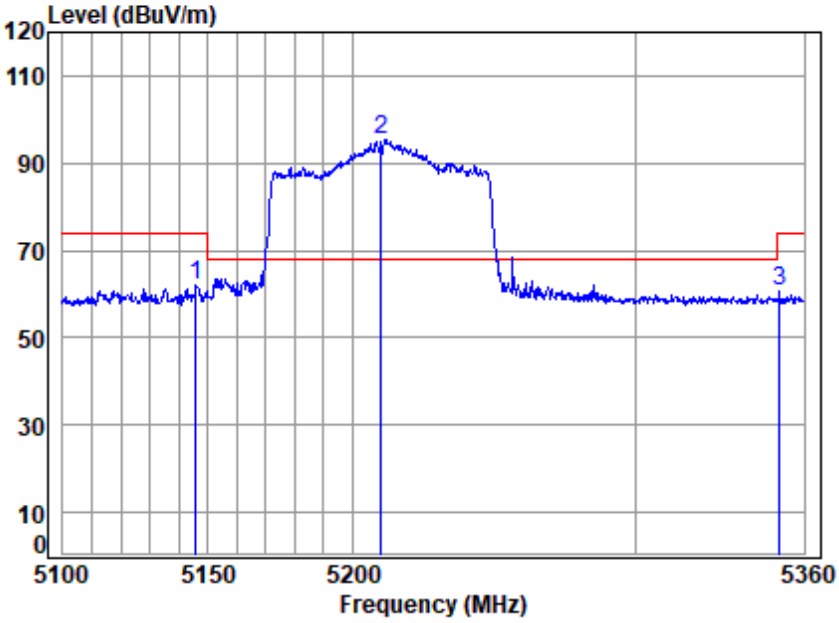
Test Mode: 27; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5210 Band edge
: 5G WIFI 11AC80

	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	5145.851	7.36	34.01	34.99	55.53	61.91	74.00	-12.09	Peak
2 q	5210.000	7.42	34.00	34.99	88.95	95.38	68.20	27.18	Peak
3	5351.212	7.56	34.30	35.00	53.97	60.83	74.00	-13.17	Peak

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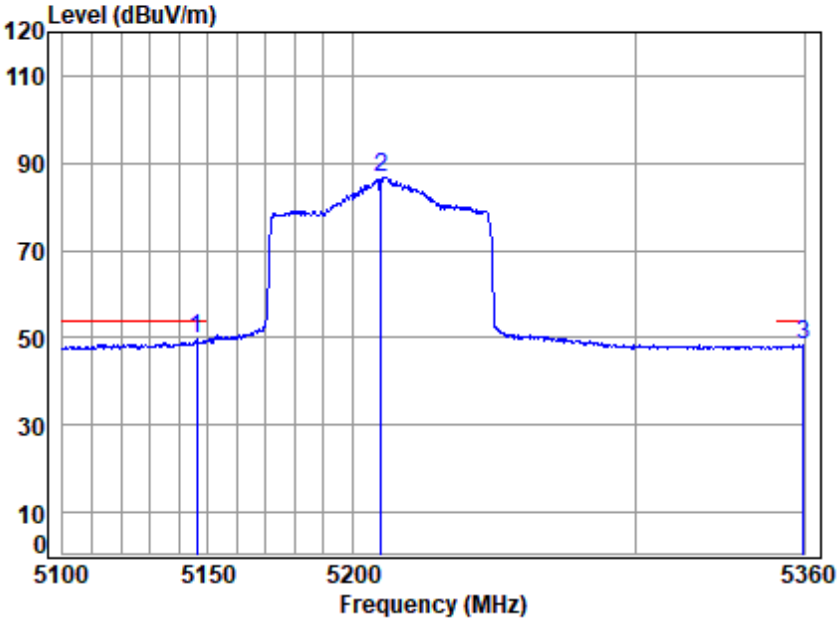
Test Mode: 27; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5210 Band edge
: 5G WIFI 11AC80

	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 q	5146.107	7.36	34.01	34.99	43.33	49.71	54.00	-4.29	Average
2	5210.000	7.42	34.00	34.99	80.36	86.79	------	------	Average
3	5359.733	7.57	34.34	35.00	41.40	48.31	54.00	-5.69	Average

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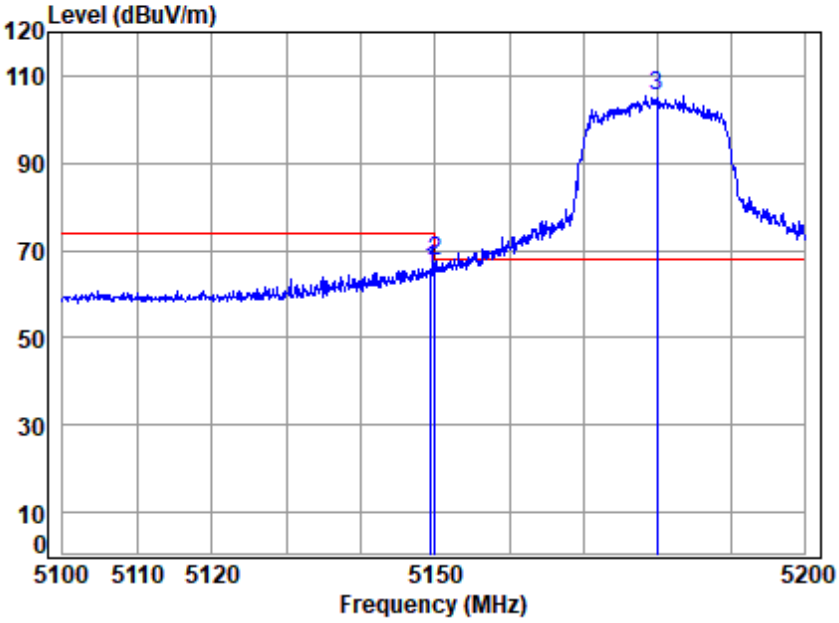
Test Mode: 27; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5180 Band edge
: 5G WIFI 11AX20

	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	5149.357	7.36	34.00	34.99	59.38	65.75	74.00	-8.25	peak
2	5149.980	7.36	34.00	34.99	61.38	67.75	74.00	-6.25	peak
3 q	5180.000	7.39	34.00	34.99	98.96	105.36	68.20	37.16	peak

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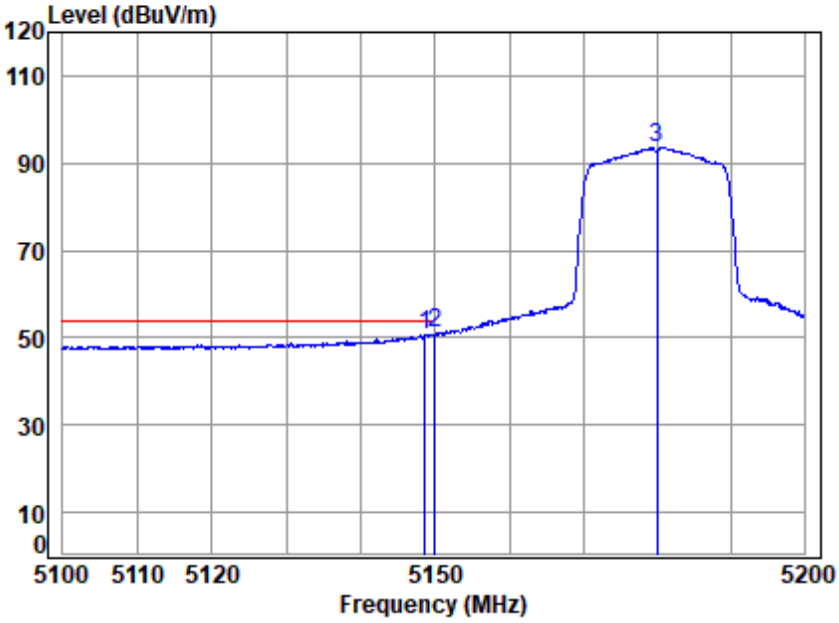
Test Mode: 27; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5180 Band edge
: 5G WIFI 11AX20

	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	5148.657	7.36	34.00	34.99	44.38	50.75	54.00	-3.25	Average
2 q	5149.980	7.36	34.00	34.99	44.74	51.11	54.00	-2.89	Average
3	5180.000	7.39	34.00	34.99	87.16	93.56	------	------	Average

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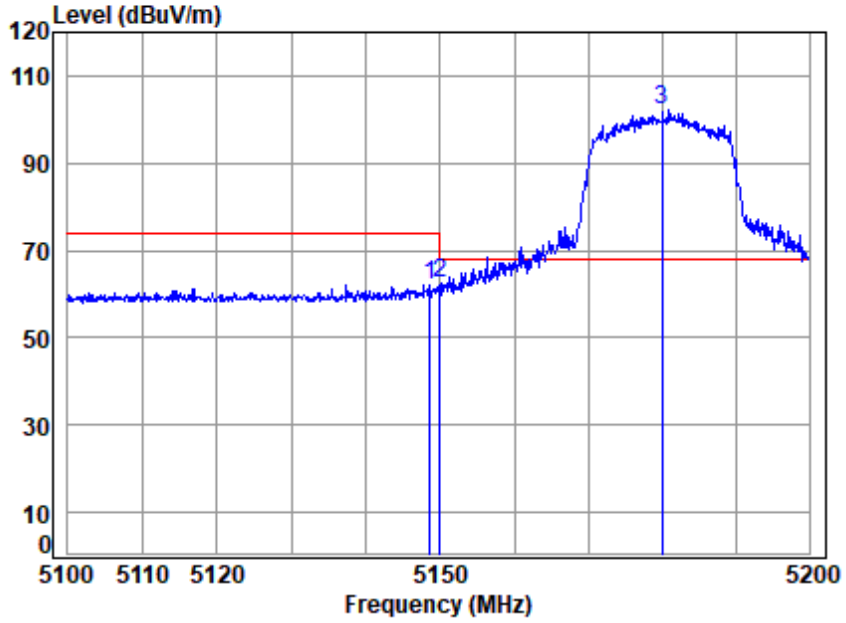
Test Mode: 27; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5180 Band edge
: 5G WIFI 11AX20

	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	5148.657	7.36	34.00	34.99	55.89	62.26	74.00	-11.74	Peak
2	5149.980	7.36	34.00	34.99	55.97	62.34	74.00	-11.66	Peak
3 q	5180.000	7.39	34.00	34.99	95.85	102.25	68.20	34.05	Peak

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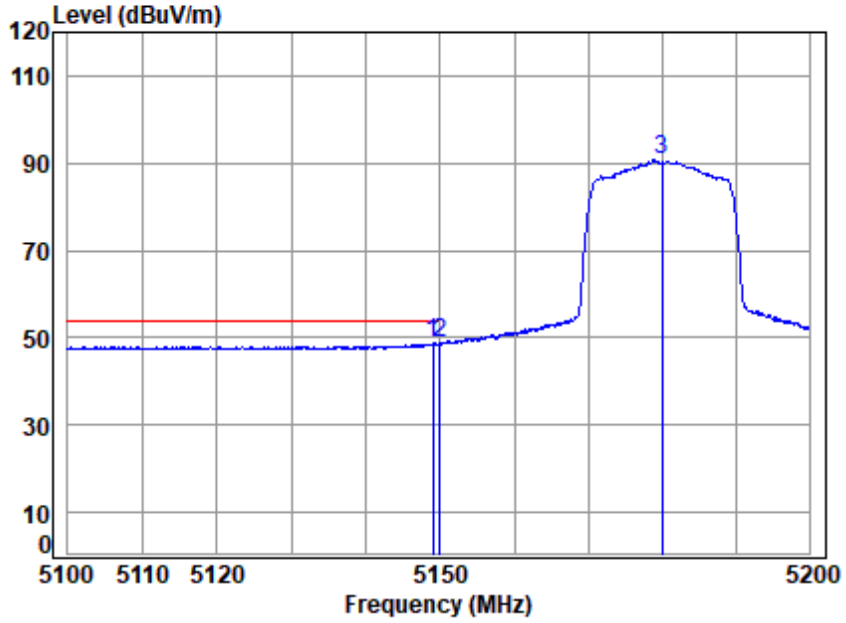
Test Mode: 27; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low




```
Site      : chamber
Condition: 3m VERTICAL
Job No    : 00912AT
Mode      : 5180 Band edge
          : 5G WIFI 11AX20
```

		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	q	5149.057	7.36	34.00	34.99	42.55	48.92	54.00	-5.08	Average
2		5149.980	7.36	34.00	34.99	42.36	48.73	54.00	-5.27	Average
3		5180.000	7.39	34.00	34.99	84.26	90.66	------	------	Average

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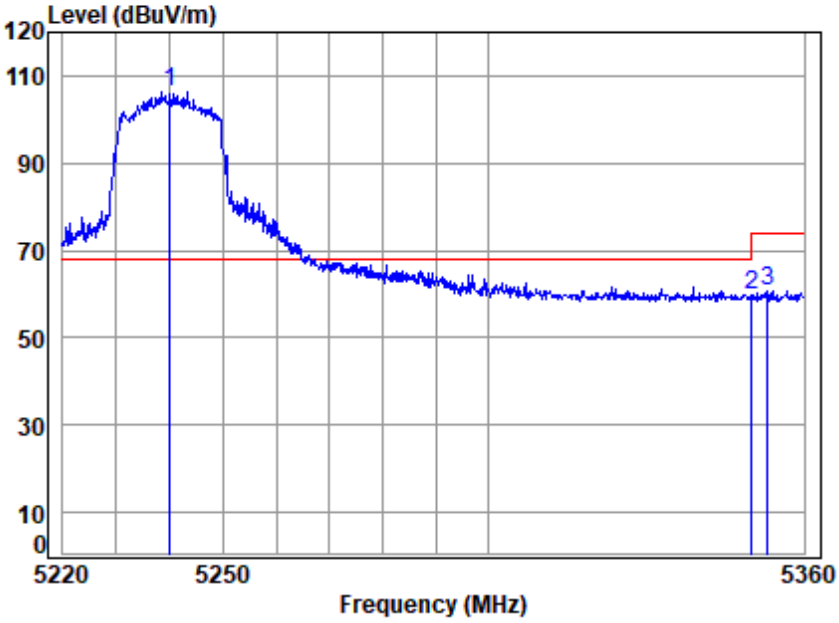
Test Mode: 27; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High




```
Site      : chamber
Condition: 3m HORIZONTAL
Job No    : 00912AT
Mode      : 5240 Band edge
          : 5G WIFI 11AX20
```

		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	q	5240.000	7.45	34.00	35.00	99.97	106.42	68.20	38.22	peak
2		5350.020	7.56	34.30	35.00	53.13	59.99	74.00	-14.01	peak
3		5353.053	7.57	34.31	35.00	53.74	60.62	74.00	-13.38	peak

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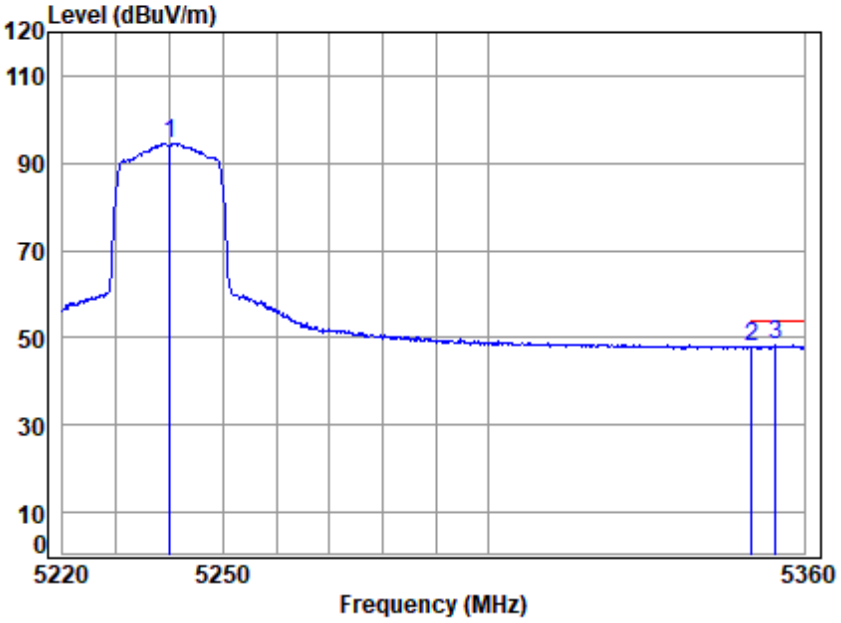
Test Mode: 27; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5240 Band edge
: 5G WIFI 11AX20

	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	5240.000	7.45	34.00	35.00	88.20	94.65	------	------	Average
2	5350.020	7.56	34.30	35.00	41.01	47.87	54.00	-6.13	Average
3 q	5354.470	7.57	34.32	35.00	41.30	48.19	54.00	-5.81	Average

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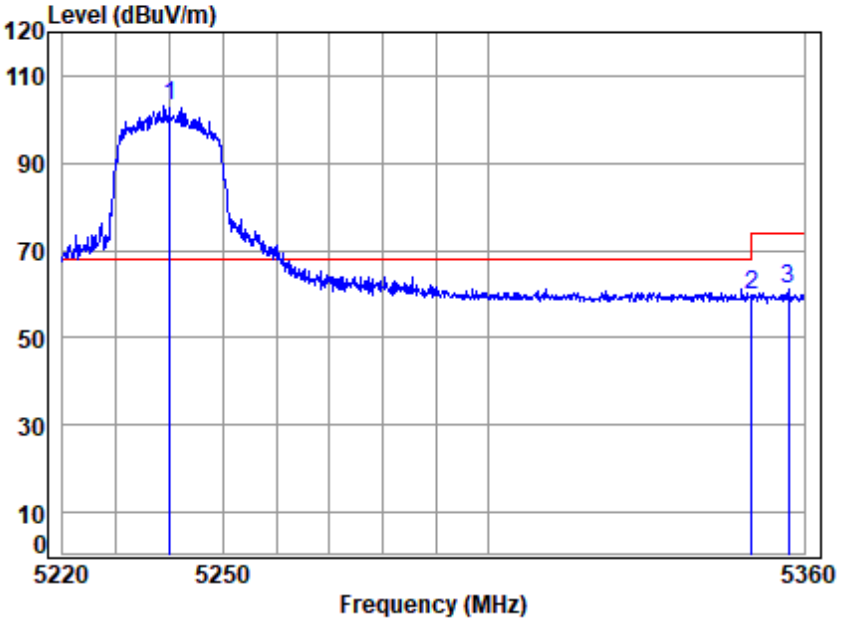
Test Mode: 27; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5240 Band edge
: 5G WIFI 11AX20

	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 q	5240.000	7.45	34.00	35.00	96.64	103.09	68.20	34.89	Peak
2	5350.020	7.56	34.30	35.00	52.71	59.57	74.00	-14.43	Peak
3	5357.022	7.57	34.33	35.00	54.15	61.05	74.00	-12.95	Peak

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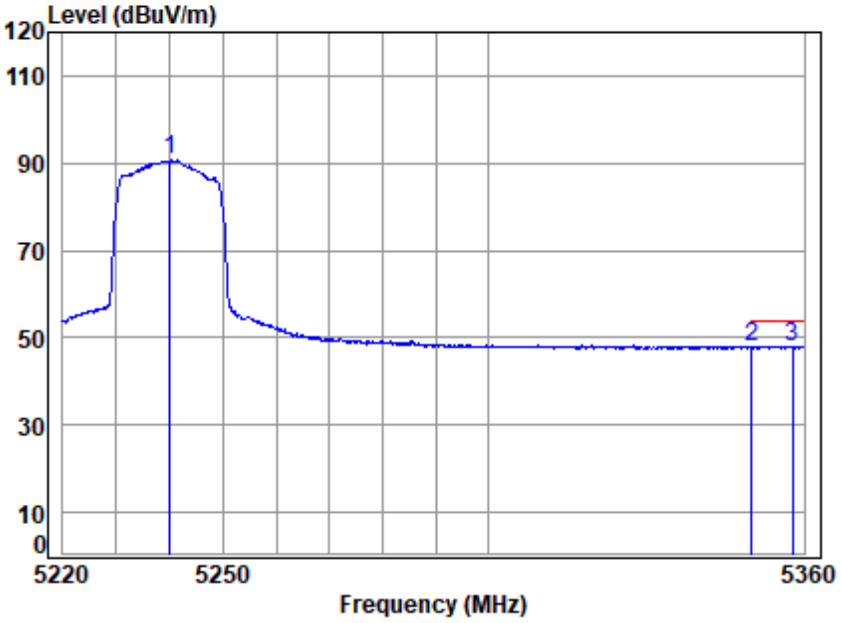
Test Mode: 27; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5240 Band edge
: 5G WIFI 11AX20

	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	5240.000	7.45	34.00	35.00	84.33	90.78	------	------	Average
2	5350.020	7.56	34.30	35.00	40.95	47.81	54.00	-6.19	Average
3 q	5357.873	7.57	34.33	35.00	41.18	48.08	54.00	-5.92	Average

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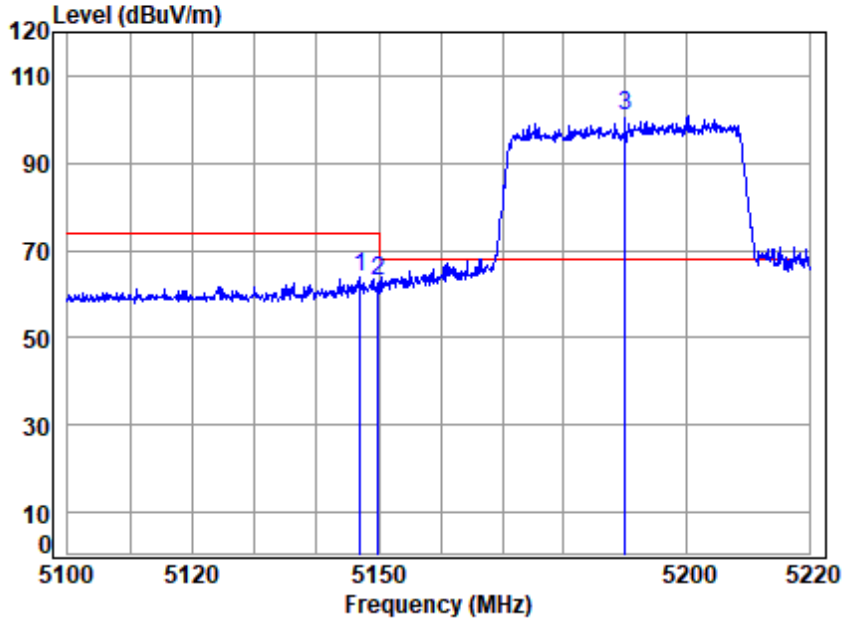
Test Mode: 27; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5190 Band edge
: 5G WIFI 11AX40

	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	5147.067	7.36	34.01	34.99	57.57	63.95	74.00	-10.05	peak
2	5149.980	7.36	34.00	34.99	56.52	62.89	74.00	-11.11	peak
3 q	5190.000	7.40	34.00	34.99	94.31	100.72	68.20	32.52	peak

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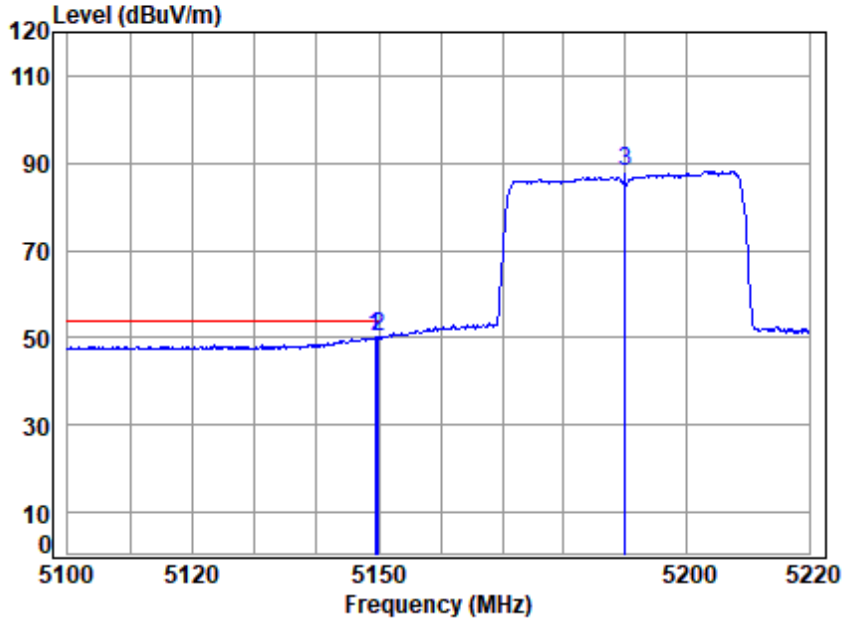
Test Mode: 27; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5190 Band edge
: 5G WIFI 11AX40

	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	5149.461	7.36	34.00	34.99	43.60	49.97	54.00	-4.03	Average
2 q	5149.980	7.36	34.00	34.99	43.95	50.32	54.00	-3.68	Average
3	5190.000	7.40	34.00	34.99	81.71	88.12	------	------	Average

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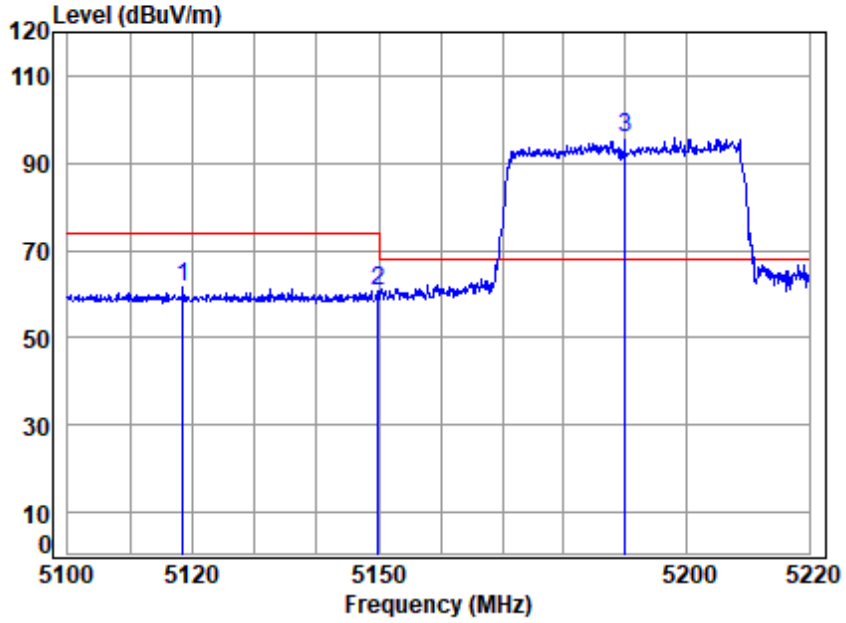
Test Mode: 27; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5190 Band edge
: 5G WIFI 11AX40

	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	5118.418	7.33	34.06	34.99	55.10	61.50	74.00	-12.50	Peak
2	5149.980	7.36	34.00	34.99	54.32	60.69	74.00	-13.31	Peak
3 q	5190.000	7.40	34.00	34.99	89.60	96.01	68.20	27.81	Peak

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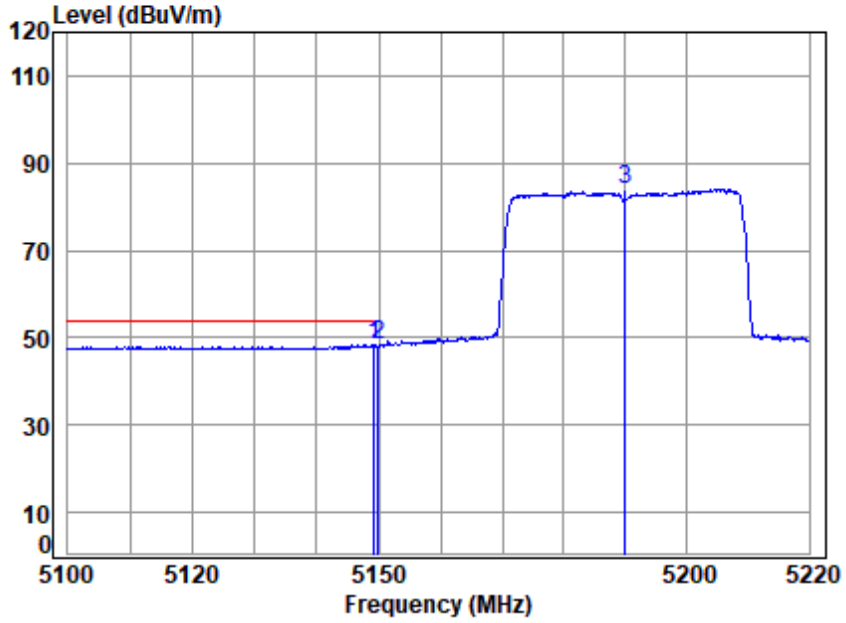
Test Mode: 27; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low




```
Site      : chamber
Condition: 3m VERTICAL
Job No    : 00912AT
Mode      : 5190 Band edge
          : 5G WIFI 11AX40
```

		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	q	5149.222	7.36	34.00	34.99	42.03	48.40	54.00	-5.60	Average
2		5149.980	7.36	34.00	34.99	41.79	48.16	54.00	-5.84	Average
3		5190.000	7.40	34.00	34.99	77.55	83.96	------	------	Average

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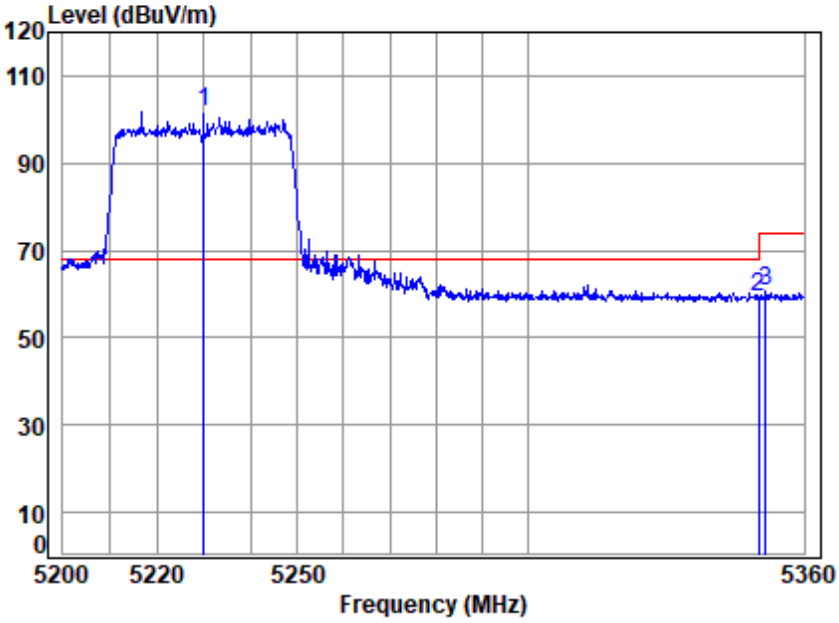
Test Mode: 27; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High




```
Site      : chamber
Condition: 3m HORIZONTAL
Job No    : 00912AT
Mode      : 5230 Band edge
          : 5G WIFI 11AX40
```

		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	q	5230.000	7.44	34.00	34.99	95.25	101.70	68.20	33.50	peak
2		5350.020	7.56	34.30	35.00	52.42	59.28	74.00	-14.72	peak
3		5351.560	7.56	34.31	35.00	53.73	60.60	74.00	-13.40	peak

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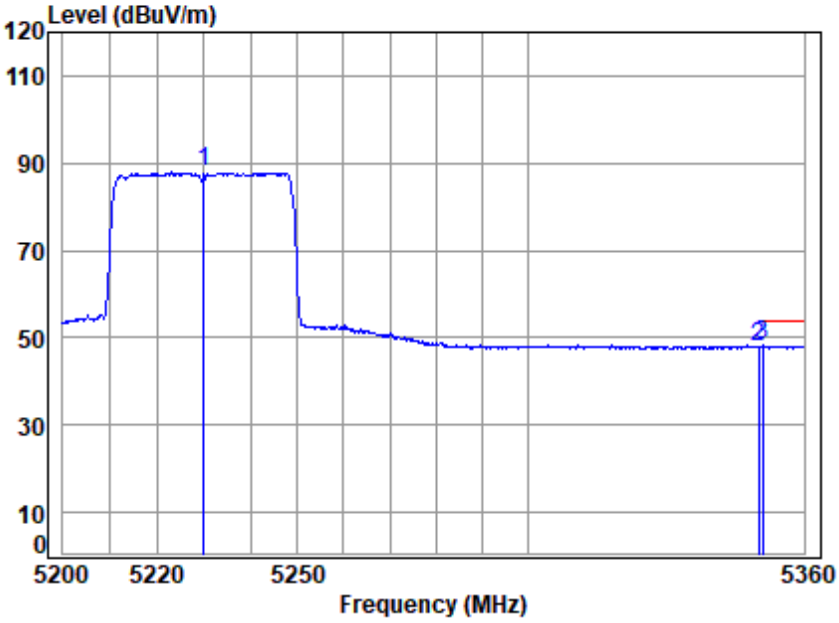
Test Mode: 27; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5230 Band edge
: 5G WIFI 11AX40

	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	5230.000	7.44	34.00	34.99	81.39	87.84	------	------	Average
2	5350.020	7.56	34.30	35.00	40.97	47.83	54.00	-6.17	Average
3 q	5350.911	7.56	34.30	35.00	41.33	48.19	54.00	-5.81	Average

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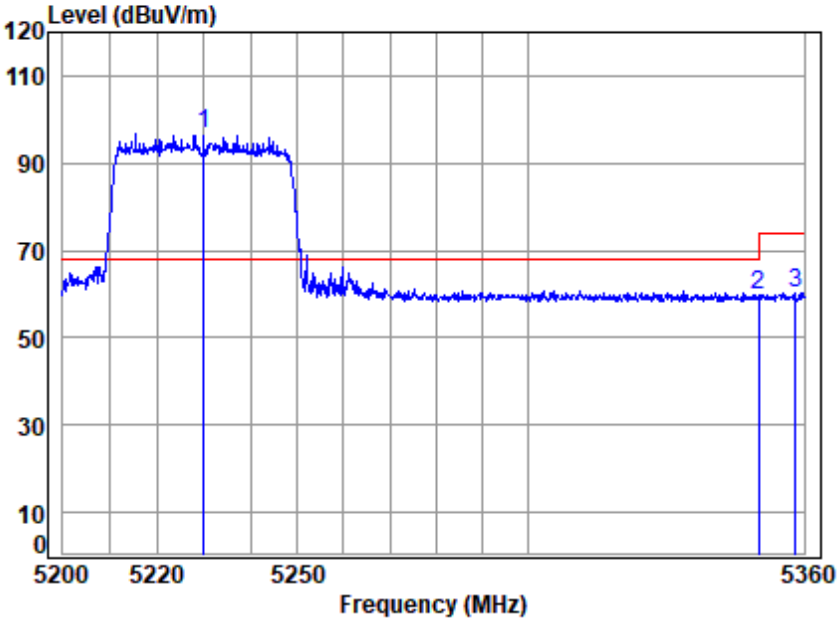
Test Mode: 27; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5230 Band edge
: 5G WIFI 11AX40

	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 q	5230.000	7.44	34.00	34.99	90.43	96.88	68.20	28.68	Peak
2	5350.020	7.56	34.30	35.00	53.11	59.97	74.00	-14.03	Peak
3	5358.051	7.57	34.33	35.00	53.32	60.22	74.00	-13.78	Peak

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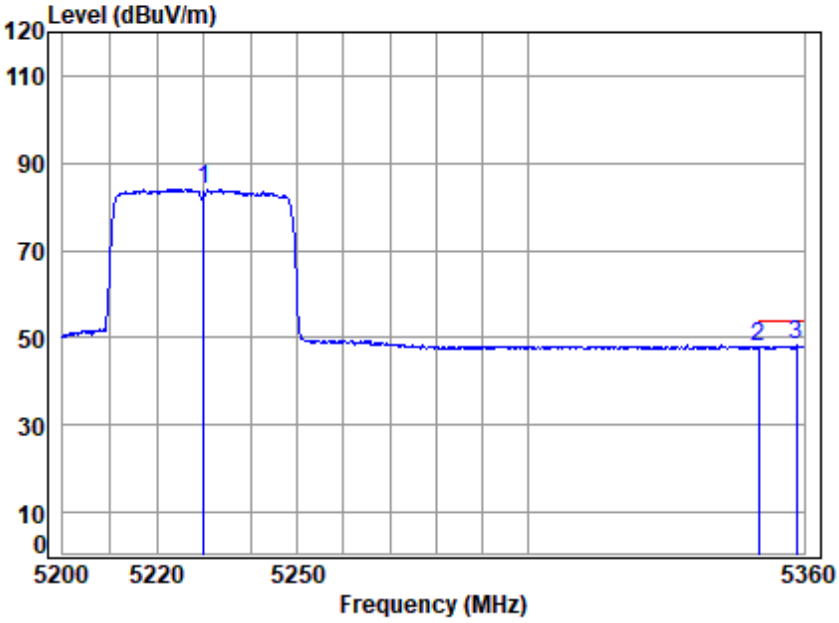
Test Mode: 27; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5230 Band edge
: 5G WIFI 11AX40

	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	5230.000	7.44	34.00	34.99	77.59	84.04	------	------	Average
2	5350.020	7.56	34.30	35.00	41.07	47.93	54.00	-6.07	Average
3 q	5358.376	7.57	34.33	35.00	41.25	48.15	54.00	-5.85	Average

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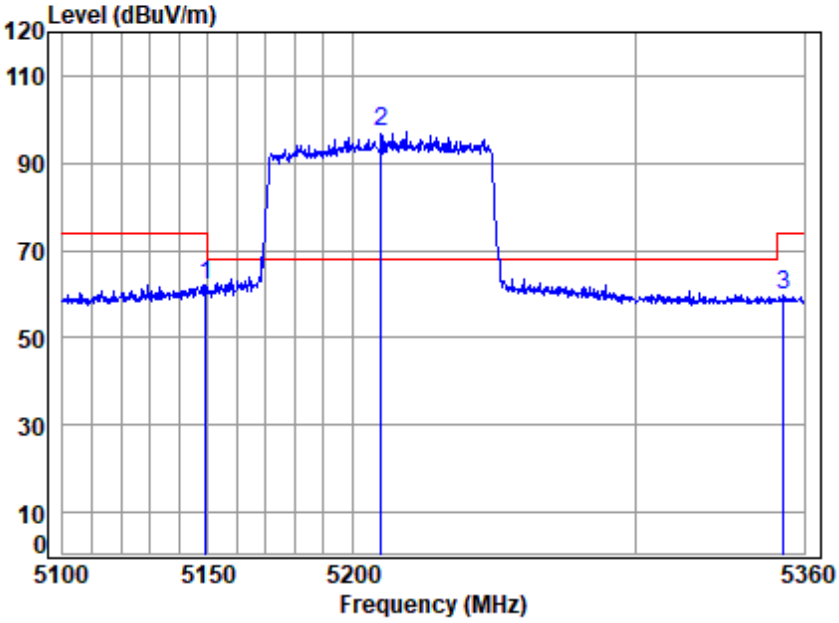
Test Mode: 27; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5210 Band edge
: 5G WIFI 11AX80

	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	5149.178	7.36	34.00	34.99	55.73	62.10	74.00	-11.90	peak
2 q	5210.000	7.42	34.00	34.99	90.59	97.02	68.20	28.82	peak
3	5352.542	7.57	34.31	35.00	52.94	59.82	74.00	-14.18	peak

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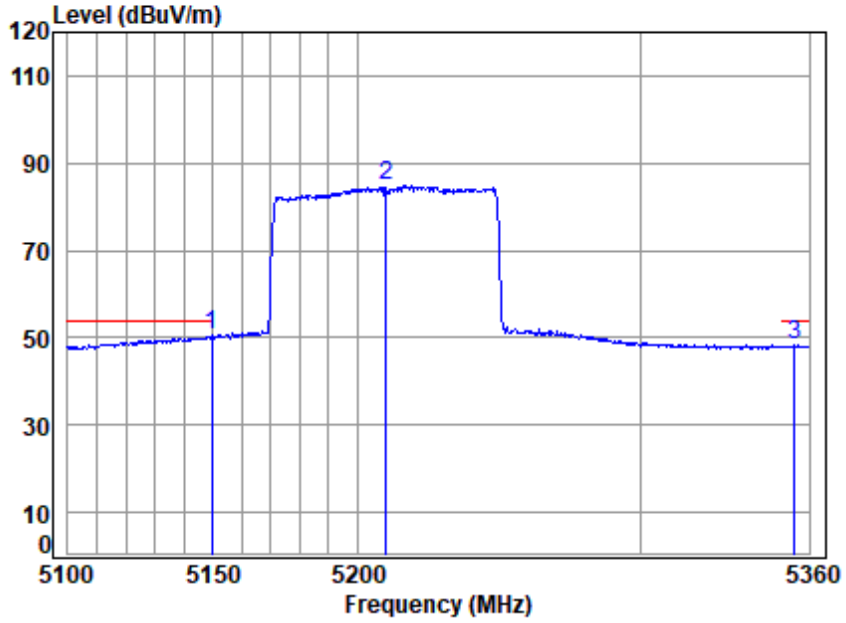
Test Mode: 27; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00912AT
Mode : 5210 Band edge
: 5G WIFI 11AX80

	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 q	5149.435	7.36	34.00	34.99	44.30	50.67	54.00	-3.33	Average
2	5210.000	7.42	34.00	34.99	78.41	84.84	------	------	Average
3	5354.672	7.57	34.32	35.00	41.65	48.54	54.00	-5.46	Average

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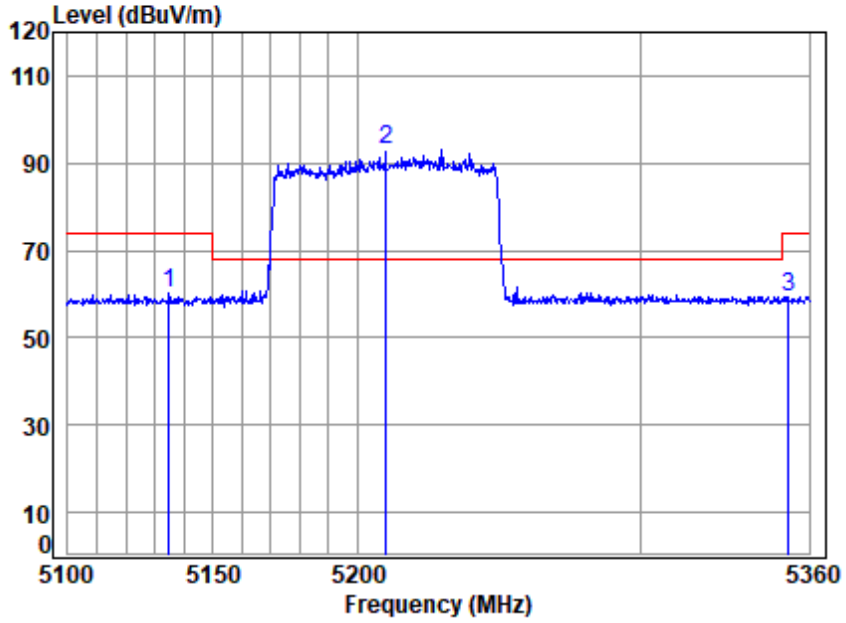
Test Mode: 27; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5210 Band edge
: 5G WIFI 11AX80

	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	5134.860	7.35	34.03	34.99	53.76	60.15	74.00	-13.85	Peak
2 q	5210.000	7.42	34.00	34.99	86.53	92.96	68.20	24.76	Peak
3	5352.542	7.57	34.31	35.00	52.63	59.51	74.00	-14.49	Peak

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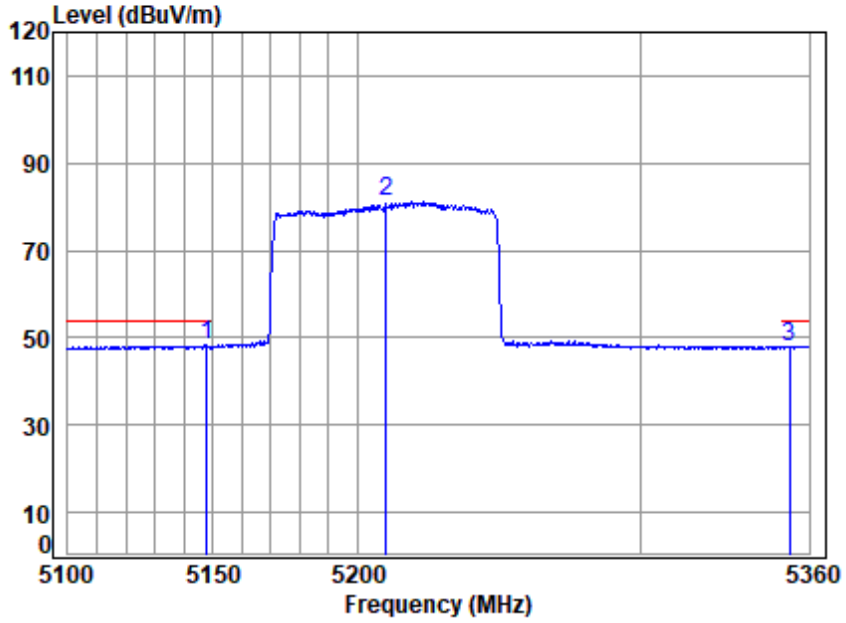
Test Mode: 27; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 00912AT
Mode : 5210 Band edge
: 5G WIFI 11AX80

	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 q	5147.643	7.36	34.00	34.99	42.04	48.41	54.00	-5.59	Average
2	5210.000	7.42	34.00	34.99	74.78	81.21	------	------	Average
3	5352.809	7.57	34.31	35.00	41.24	48.12	54.00	-5.88	Average

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7.9 Frequency Stability

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

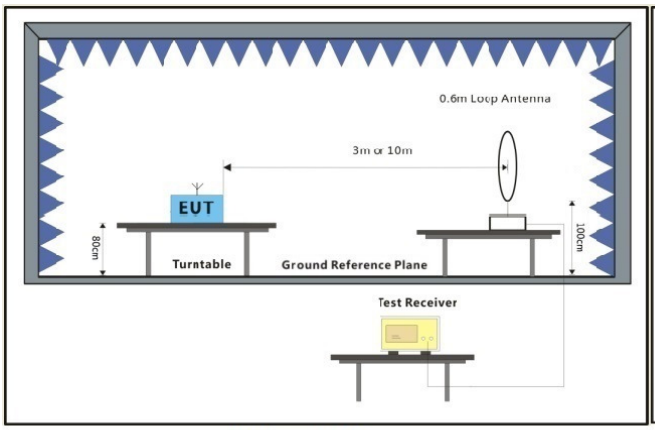
7.9.1 E.U.T. Operation

Operating Environment:
Temperature: 23.2 °C Humidity: 50.5 % RH Atmospheric Pressure: 1015 mbar

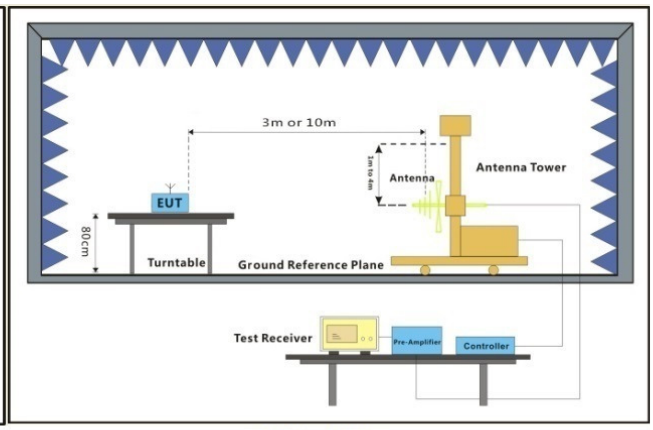
7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	27	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), data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW80), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.

7.9.3 Test Setup Diagram



Below 30MHz



30MHz-1GHz

7.9.4 Measurement Procedure and Data

Please Refer to Appendix for Details

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7.10 Radiated Emissions (Below 1GHz)

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

7.10.1 E.U.T. Operation

Operating Environment:
Temperature: 23.9 °C Humidity: 51.5 % RH Atmospheric Pressure: 1015 mbar

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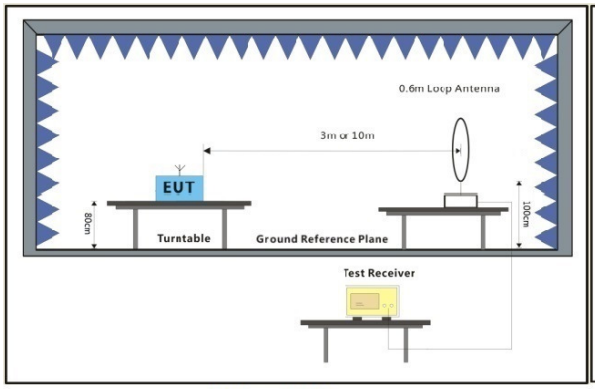
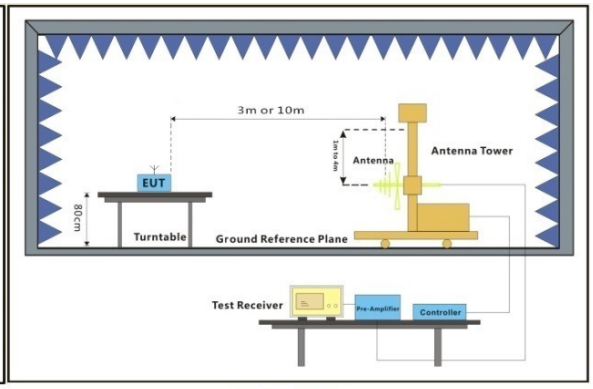
7.10.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	27	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), data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW80), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.

7.10.3 Test Setup Diagram



Below 30MHz



30MHz-1GHz

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7.10.4 Measurement Procedure and Data

a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 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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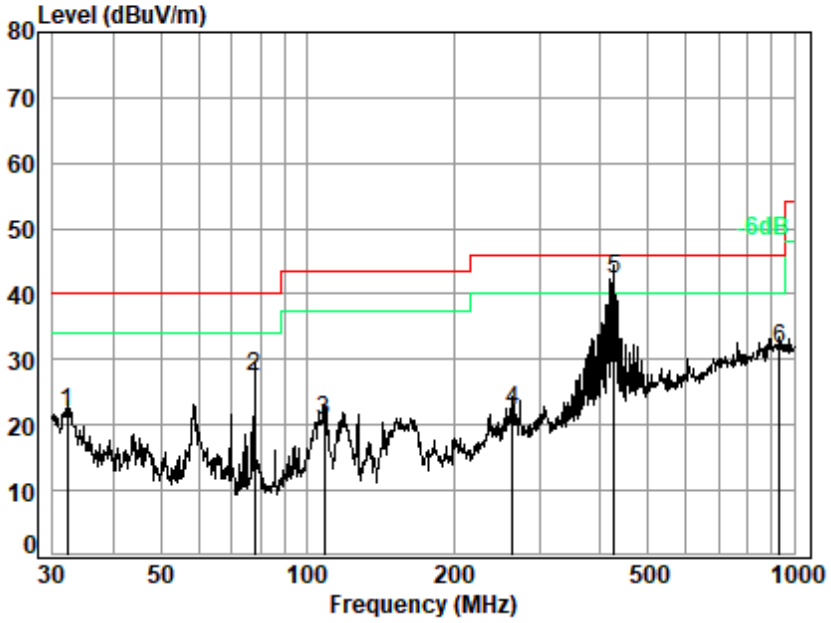
Test Mode: 27; Polarity: Vertical Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No. : 00912AT MT1002
Test Mode: 27

	Freq	Ant Factor	Cable Loss	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	32.07	20.17	0.64	27.23	28.19	21.77	40.00	-18.23	QP
2	77.87	10.50	1.00	27.07	43.01	27.44	40.00	-12.56	QP
3	108.27	12.69	1.19	26.97	33.85	20.76	43.50	-22.74	QP
4	263.82	17.85	1.96	26.34	28.84	22.31	46.00	-23.69	QP
5 q	426.52	21.31	2.57	26.58	45.00	42.30	46.00	-3.70	QP
6	935.55	28.55	4.11	25.76	24.63	31.53	46.00	-14.47	QP

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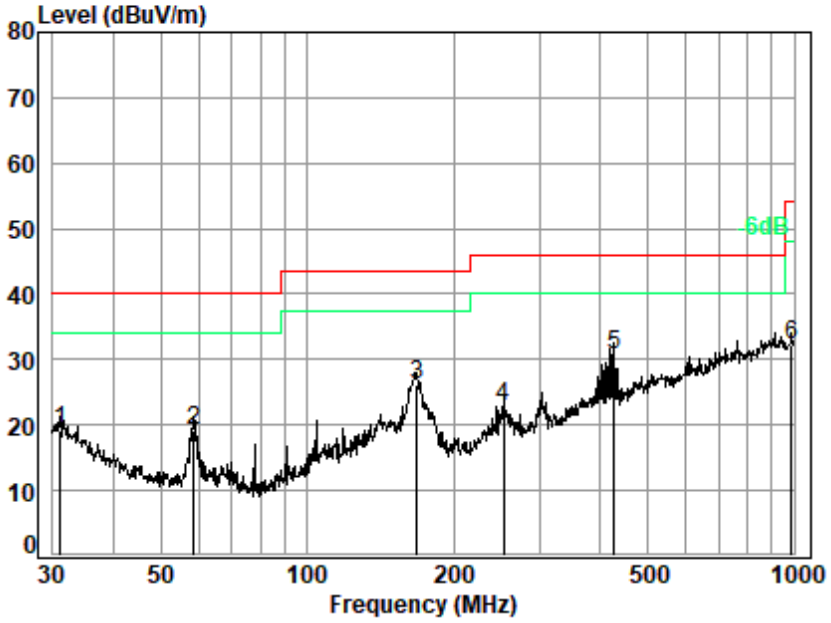
Test Mode: 27; Polarity: Horizontal Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 00912AT MT1002
Test Mode: 27

	Freq	Ant Factor	Cable Loss	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	31.07	20.79	0.63	27.23	24.96	19.15	40.00	-20.85	QP
2	58.41	11.44	0.84	27.14	34.02	19.16	40.00	-20.84	QP
3	167.82	13.92	1.51	26.73	37.40	26.10	43.50	-17.40	QP
4	252.95	17.86	1.92	26.39	29.34	22.73	46.00	-23.27	QP
5 q	426.52	21.31	2.57	26.58	33.33	30.63	46.00	-15.37	QP
6	986.07	28.37	4.23	25.56	25.18	32.22	54.00	-21.78	QP

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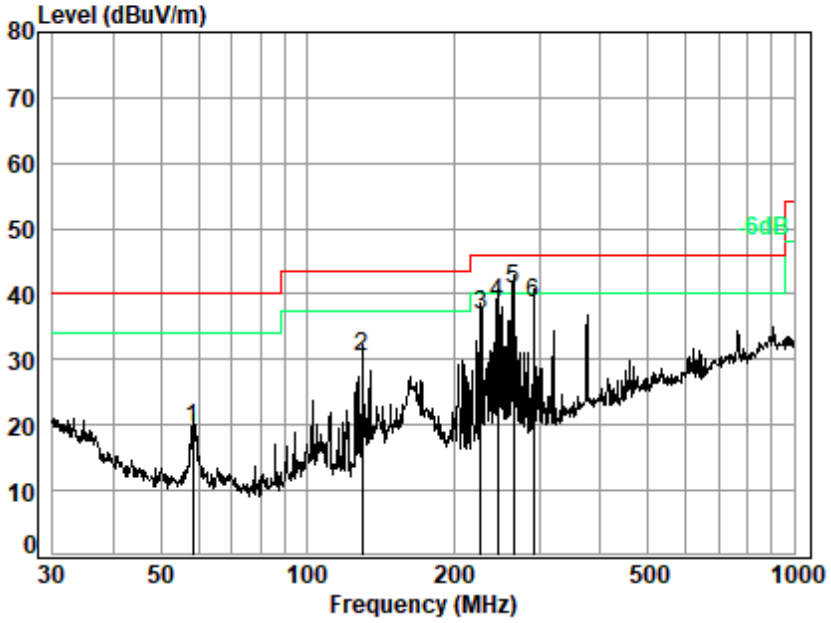
Test Mode: 27; Polarity: Horizontal Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 00912AT
Test Mode: 27

	Freq	Ant Factor	Cable Loss	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	58.20	11.47	0.84	27.14	34.44	19.61	40.00	-20.39	QP
2	129.92	11.61	1.30	26.88	44.31	30.34	43.50	-13.16	QP
3	226.89	16.55	1.81	26.49	44.84	36.71	46.00	-9.29	QP
4	245.95	17.93	1.89	26.42	45.25	38.65	46.00	-7.35	QP
5 q	264.75	17.84	1.97	26.34	47.33	40.80	46.00	-5.20	QP
6	292.06	18.22	2.09	26.23	44.55	38.63	46.00	-7.37	QP

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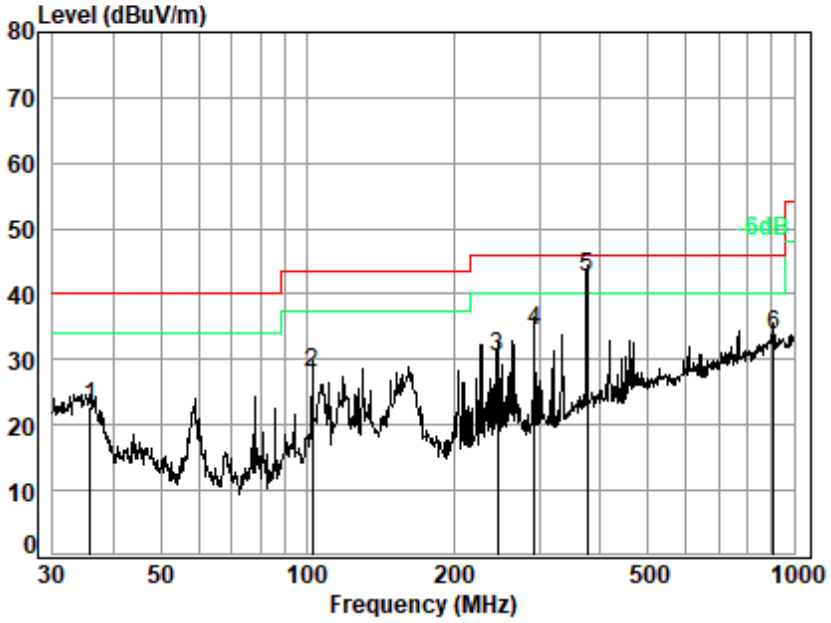
Member of the SGS Group (SGS SA)

Test Mode: 27; Polarity: Vertical Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No. : 00912AT
Test Mode: 27

	Freq	Ant Factor	Cable Loss	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	35.75	17.76	0.65	27.21	31.49	22.69	40.00	-17.31	QP
2	102.36	12.99	1.15	26.99	40.70	27.85	43.50	-15.65	QP
3	245.95	17.93	1.89	26.42	37.17	30.57	46.00	-15.43	QP
4	293.08	18.27	2.09	26.23	40.25	34.38	46.00	-11.62	QP
5 q	375.94	21.38	2.39	26.43	45.17	42.51	46.00	-3.49	QP
6	906.48	28.50	4.04	25.87	27.07	33.74	46.00	-12.26	QP

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8 Test Setup Photo

Refer to Appendix - Test Setup Photo for SZCR2304000912AT

9 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for SZCR2304000912AT

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10 Appendix

1. Duty Cycle

1.1 Ant1

1.1.1 Test Result

Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	/	/	1.399	1.495	93.58	0.29	0.03
		5200	/	/	1.396	1.495	93.38	0.30	0.03
		5240	/	/	1.398	1.495	93.51	0.29	0.03
802.11n (HT20)	MIMO	5180	/	/	1.308	1.407	92.96	0.32	0.03
		5200	/	/	1.308	1.407	92.96	0.32	0.03
		5240	/	/	1.308	1.729	75.65	1.21	17.38
802.11n (HT40)	MIMO	5190	/	/	0.648	0.747	86.75	0.62	0.04
		5230	/	/	0.648	0.747	86.75	0.62	0.04
802.11ac (VHT20)	MIMO	5180	/	/	1.318	1.415	93.14	0.31	0.03
		5200	/	/	1.316	1.415	93.00	0.32	0.03
		5240	/	/	1.316	1.414	93.07	0.31	0.03
802.11ac (VHT40)	MIMO	5190	/	/	0.656	0.756	86.77	0.62	0.04
		5230	/	/	0.656	0.755	86.89	0.61	0.04
802.11ac (VHT80)	MIMO	5210	/	/	0.328	0.424	77.36	1.11	0.05
802.11ax (HEW20)	MIMO	5180	RU242	Left	1.021	1.120	91.16	0.40	0.03
		5200	RU242	Left	1.021	1.120	91.16	0.40	0.03
		5240	RU242	Left	1.021	1.120	91.16	0.40	0.00
802.11ax (HEW40)	MIMO	5190	RU484	Left	0.541	0.640	84.53	0.73	0.00
		5230	RU484	Left	0.541	0.640	84.53	0.73	0.00
802.11ax (HEW80)	MIMO	5210	RU996	Left	0.292	0.391	74.68	1.27	0.13

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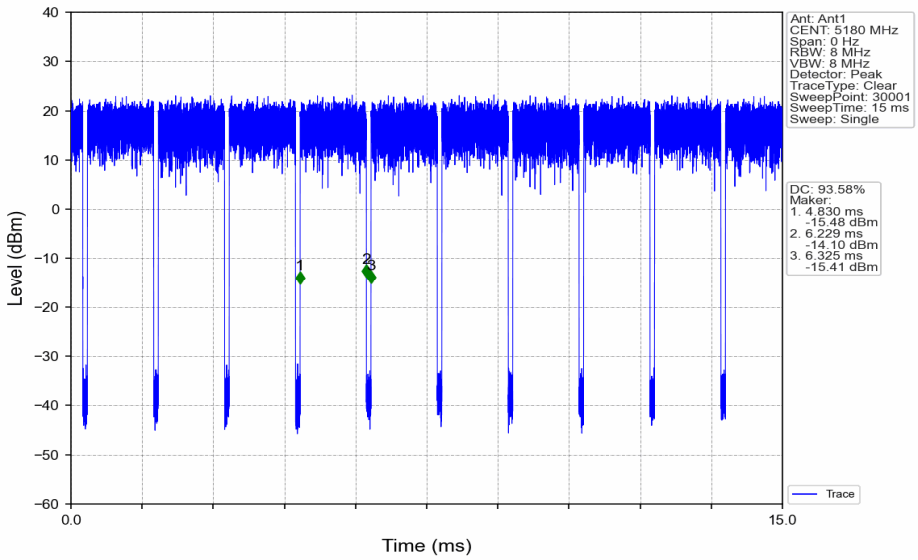
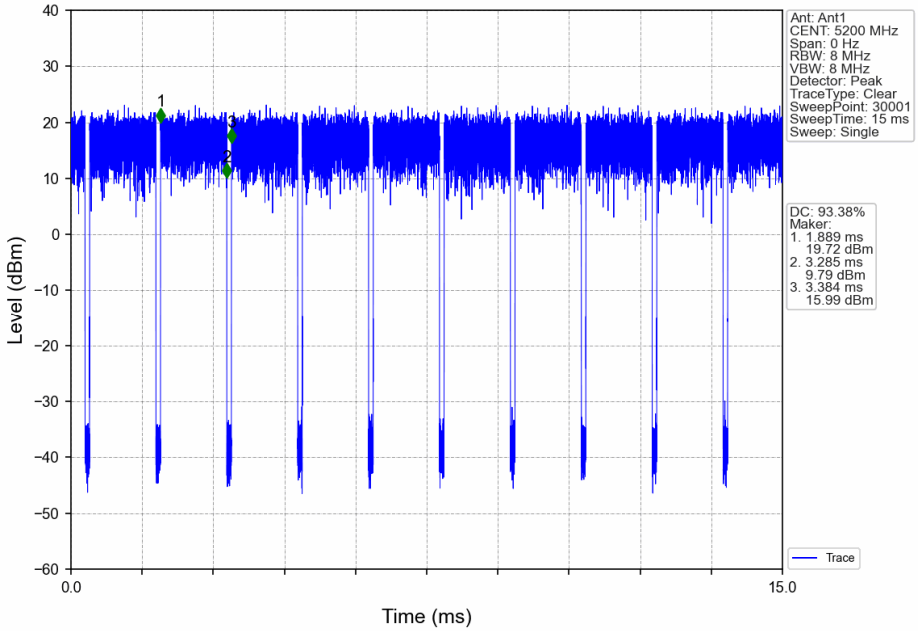
1.1.2 Test Graph

802.11a_LCH_5180MHz_Ant1_NTNV



802.11a_MCH_5200MHz_Ant1_NTNV



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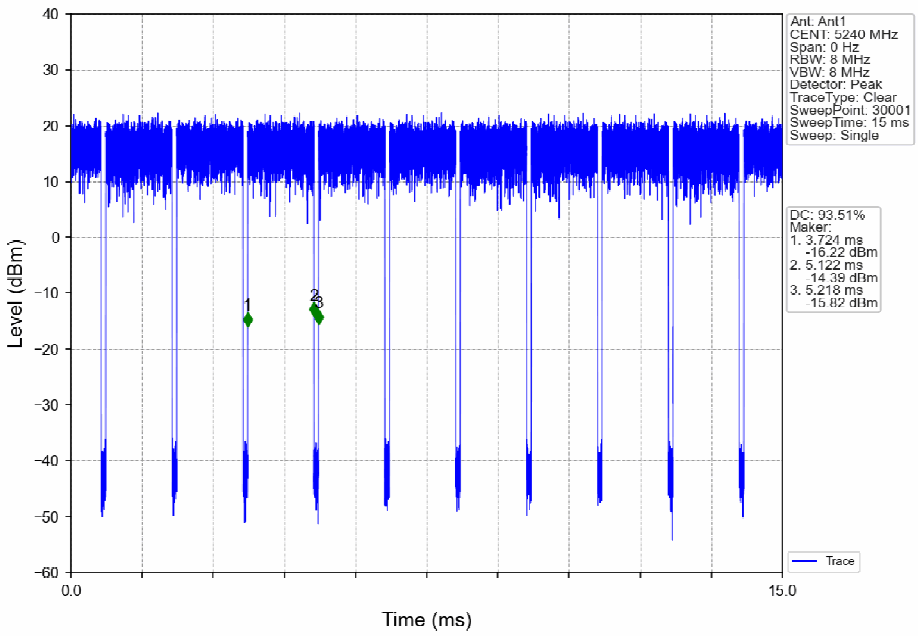
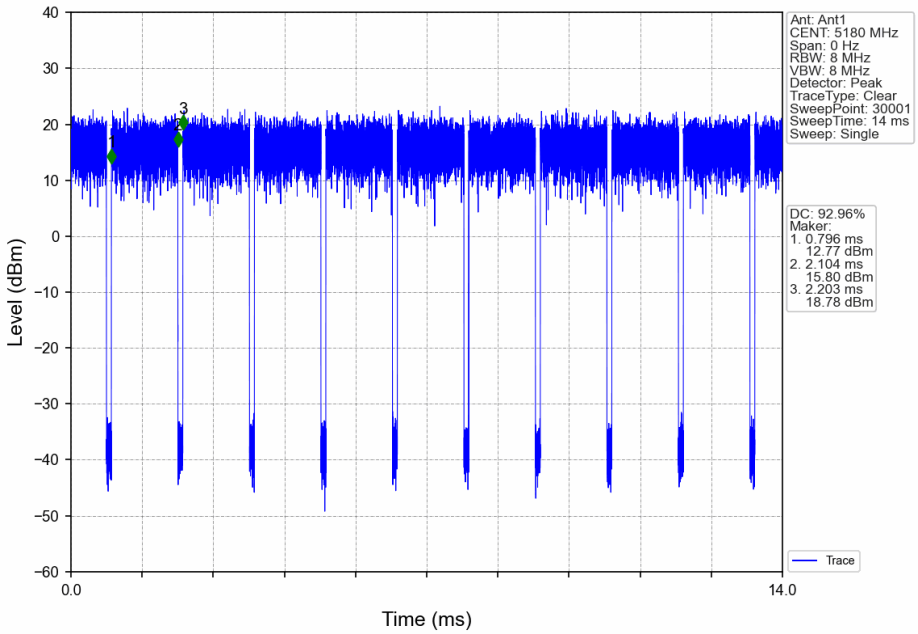
802.11a_HCH_5240MHz_Ant1_NTNV



802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



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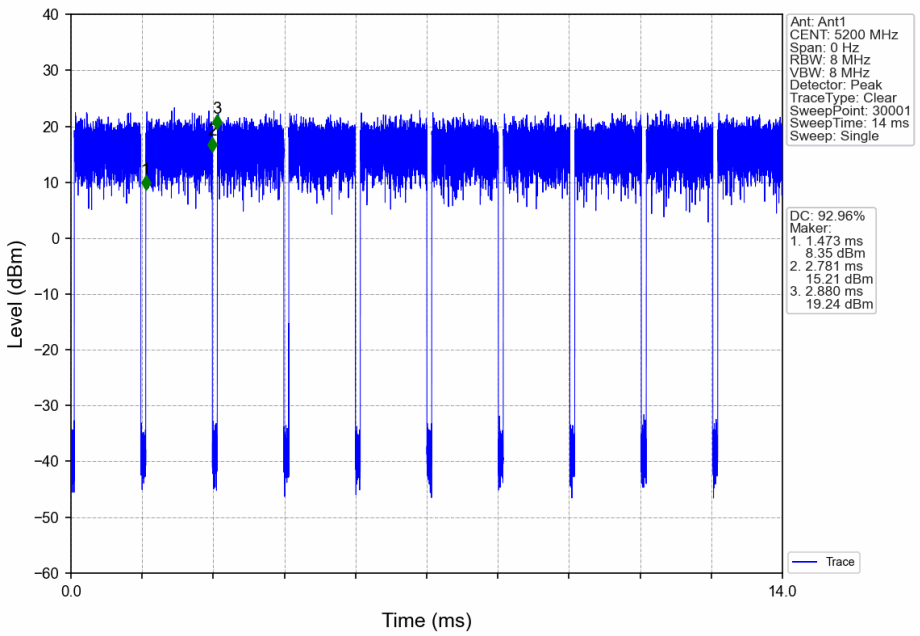
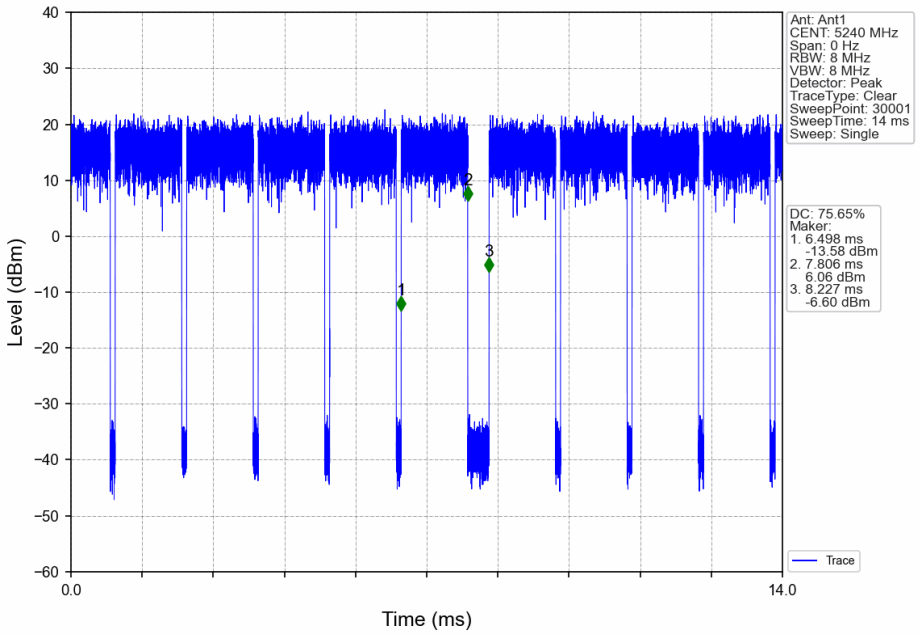
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



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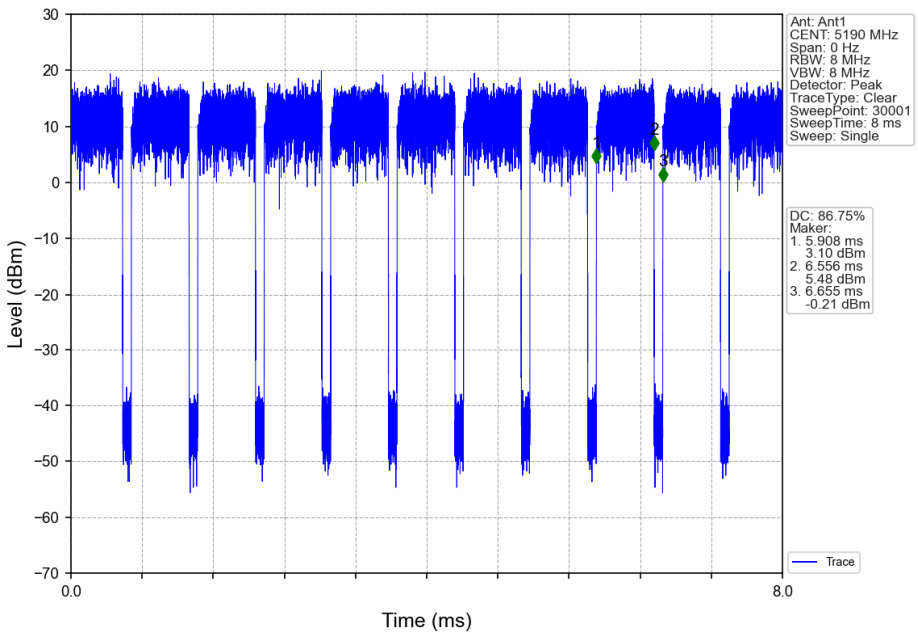
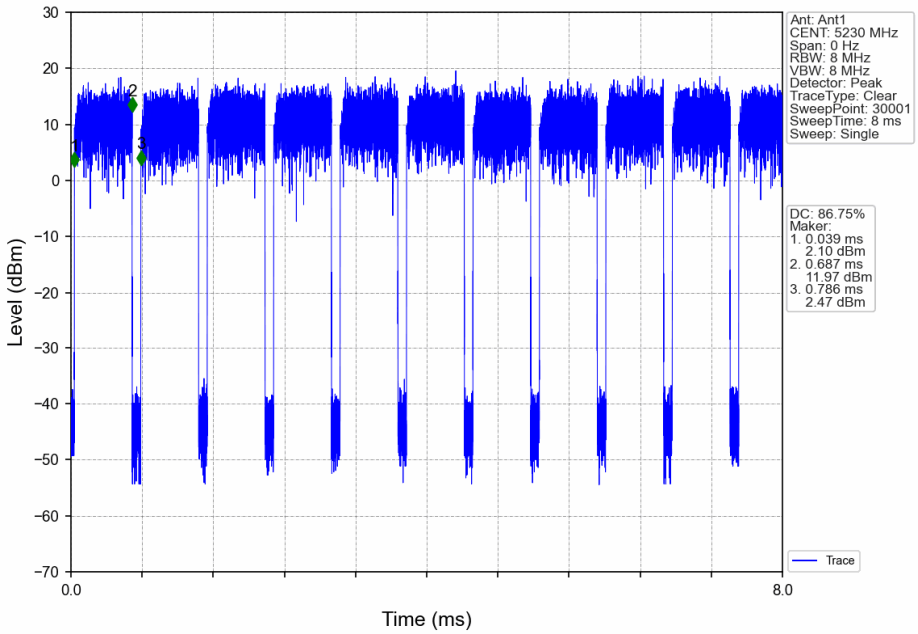
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



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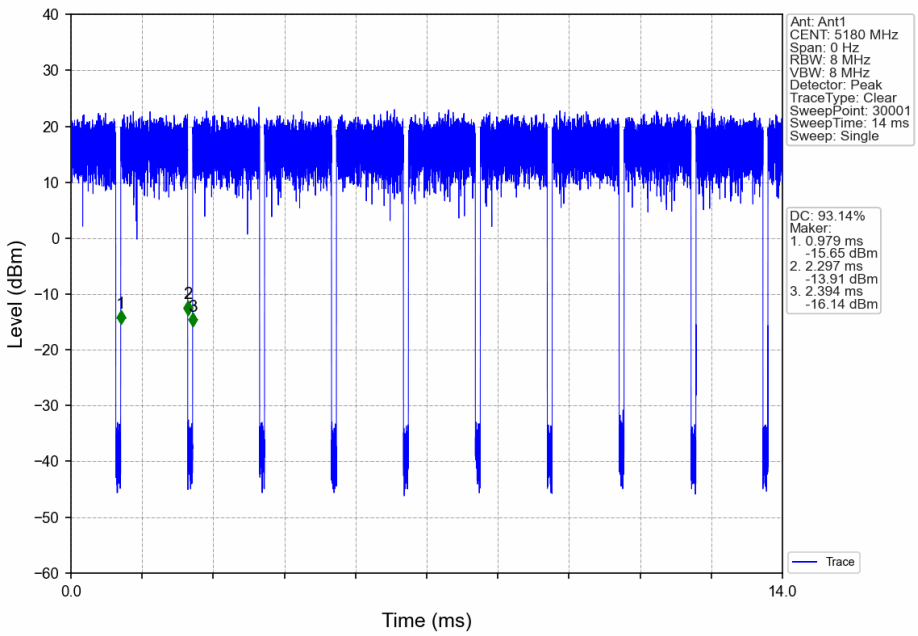
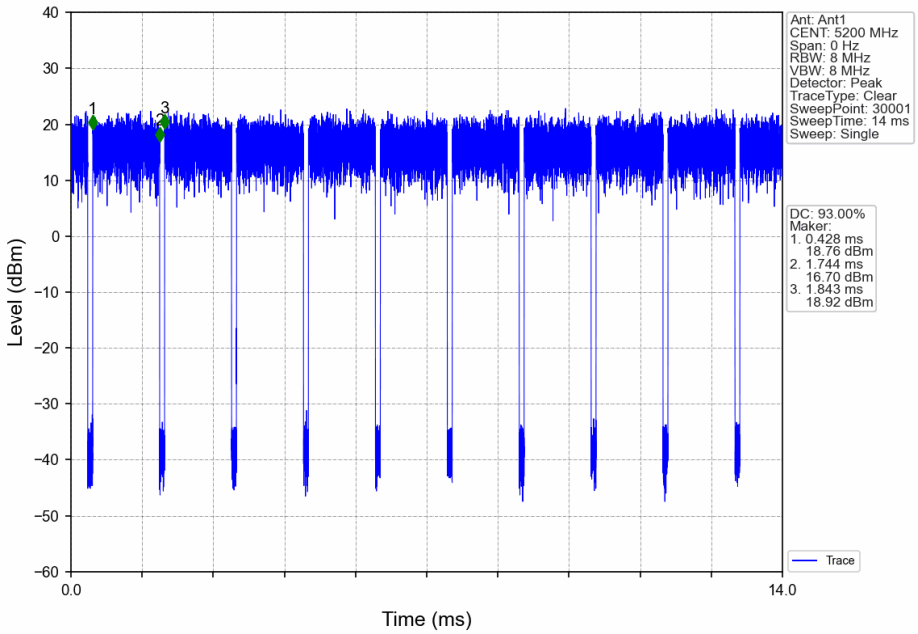
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



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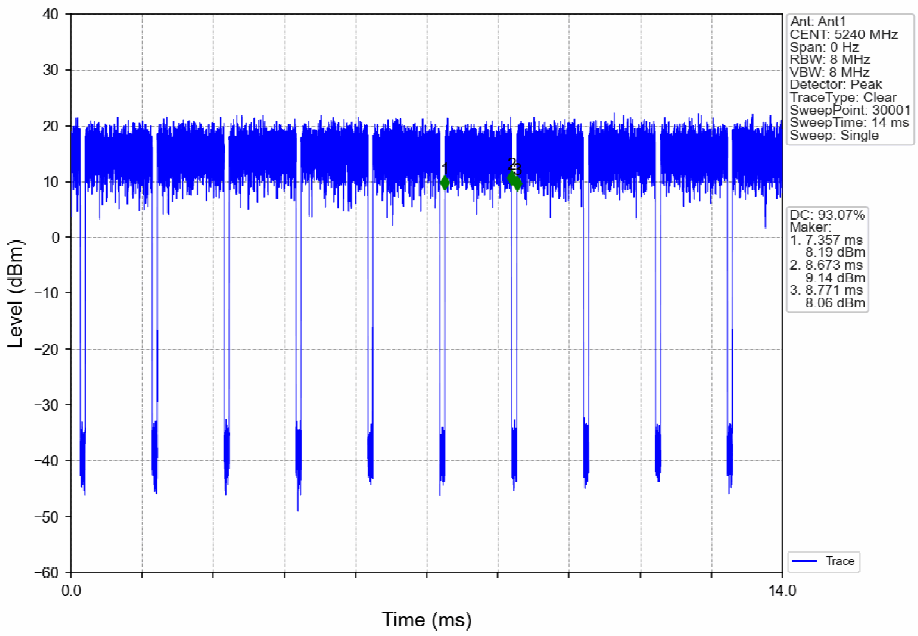
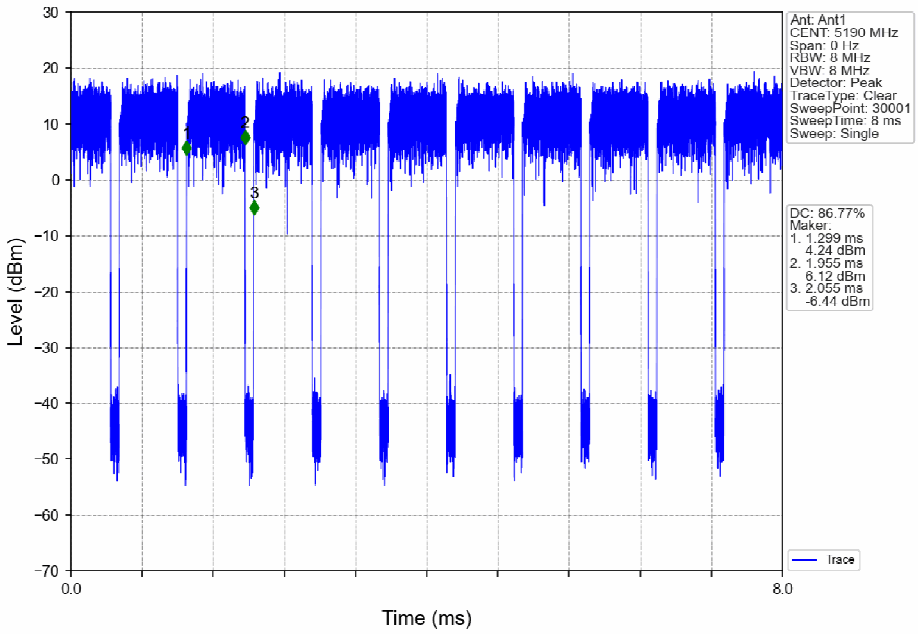
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



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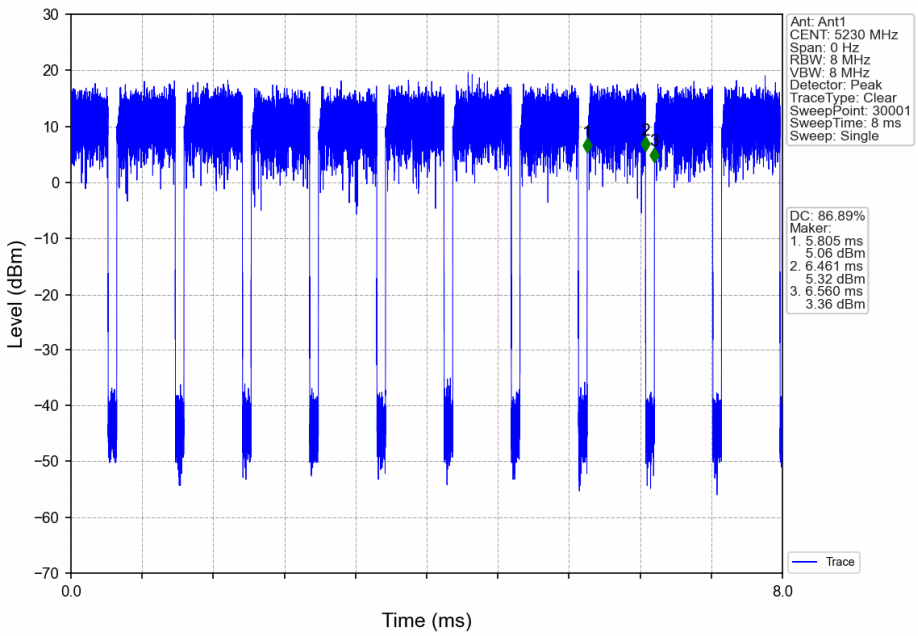
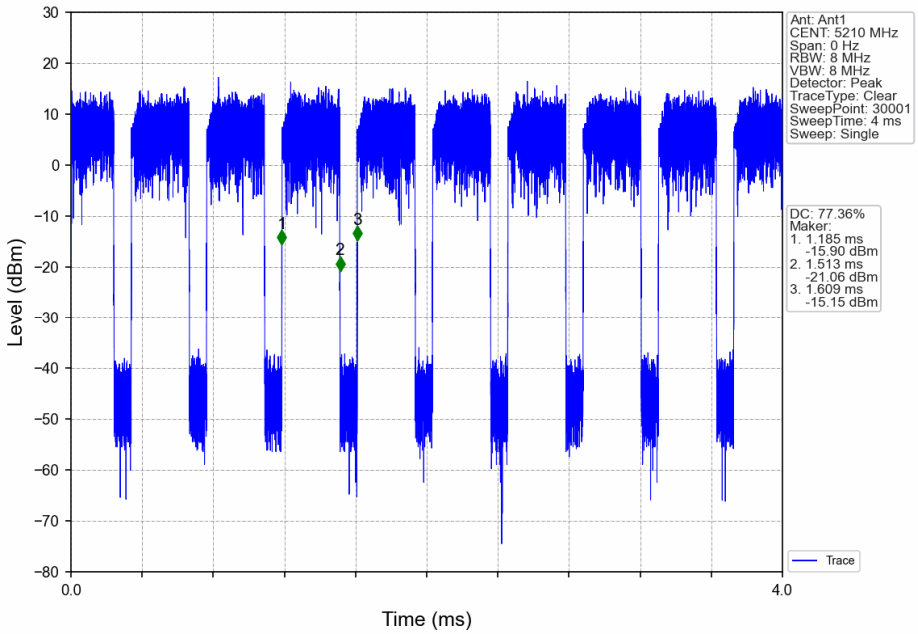
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



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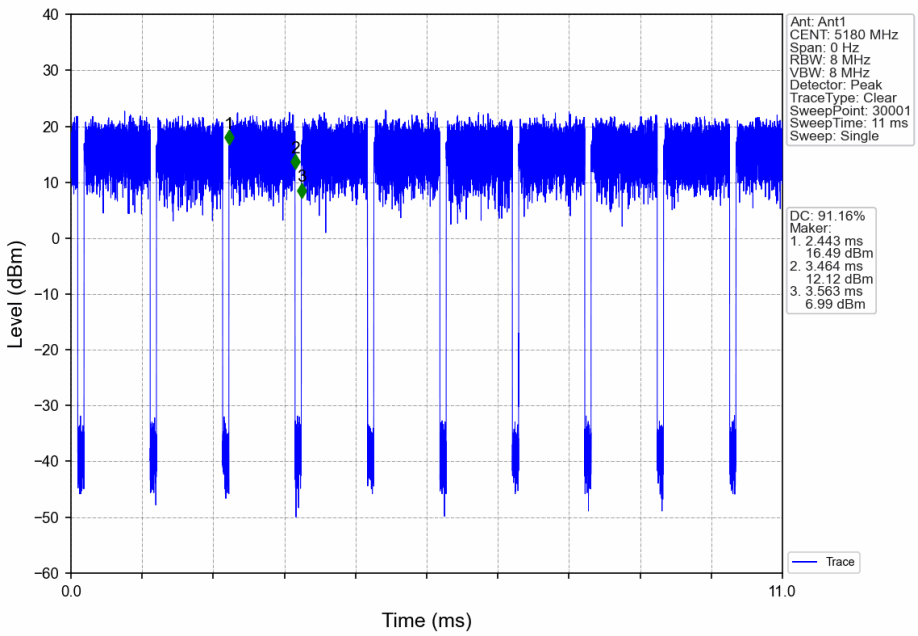
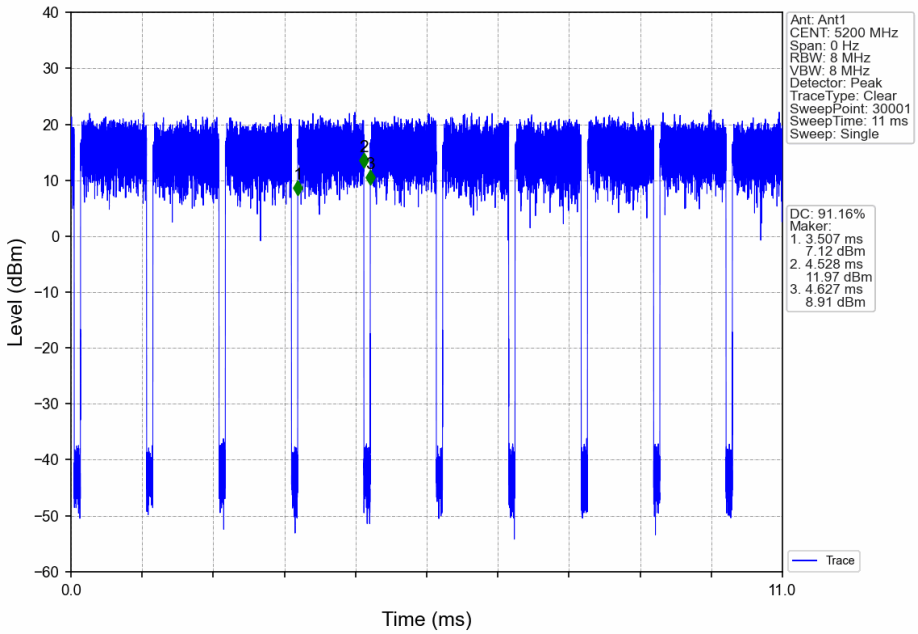
802.11ax(HEW20)_LCH_5180MHz_RU242_Left_Ant1_NTNV



802.11ax(HEW20)_MCH_5200MHz_RU242_Left_Ant1_NTNV



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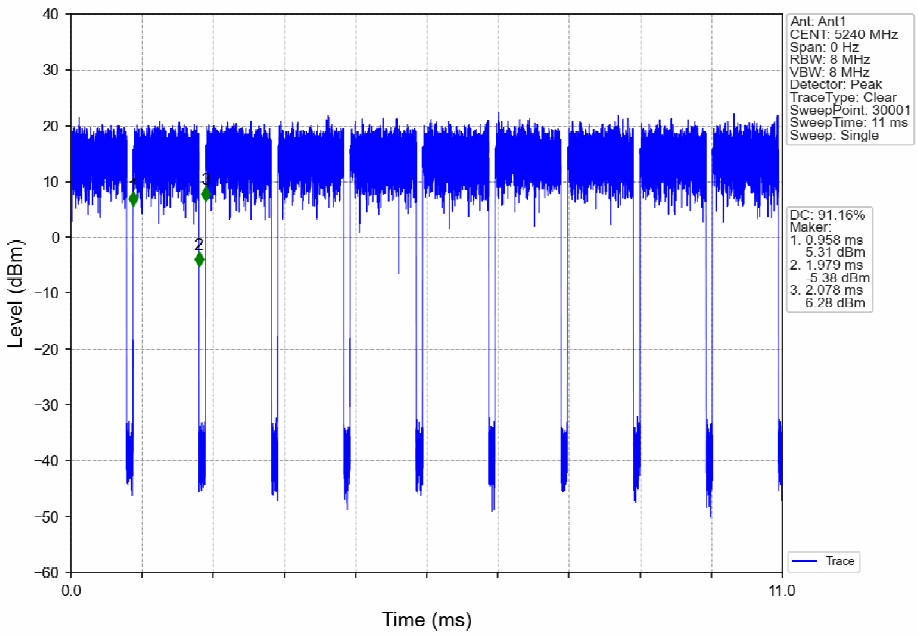
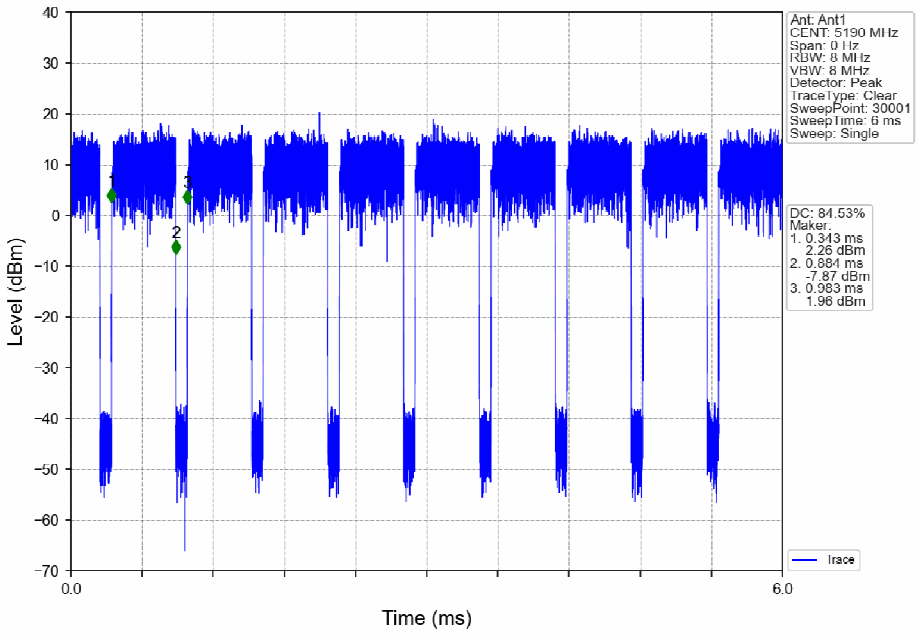
802.11ax(HEW20)_HCH_5240MHz_RU242_Left_Ant1_NTNV



802.11ax(HEW40)_LCH_5190MHz_RU484_Left_Ant1_NTNV



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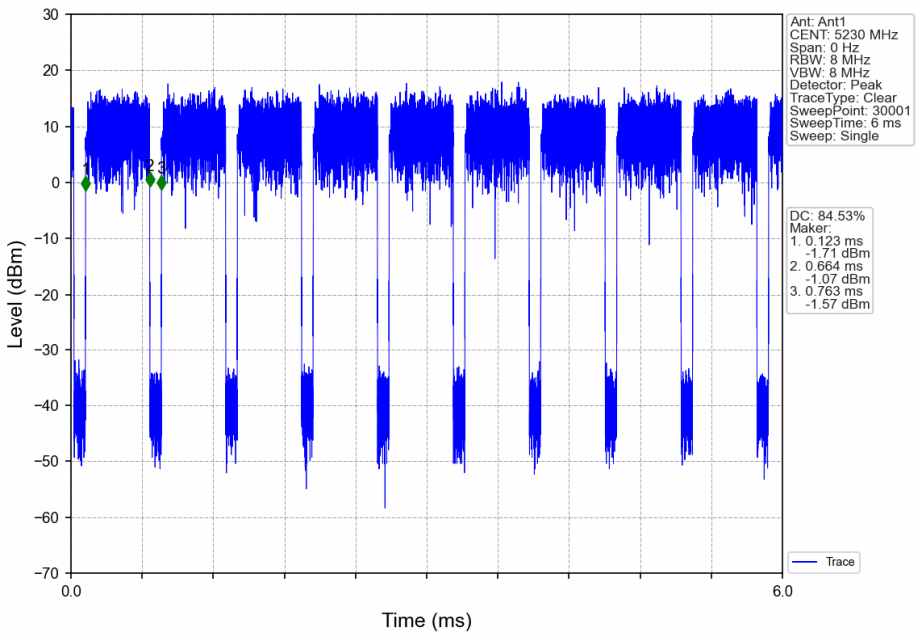
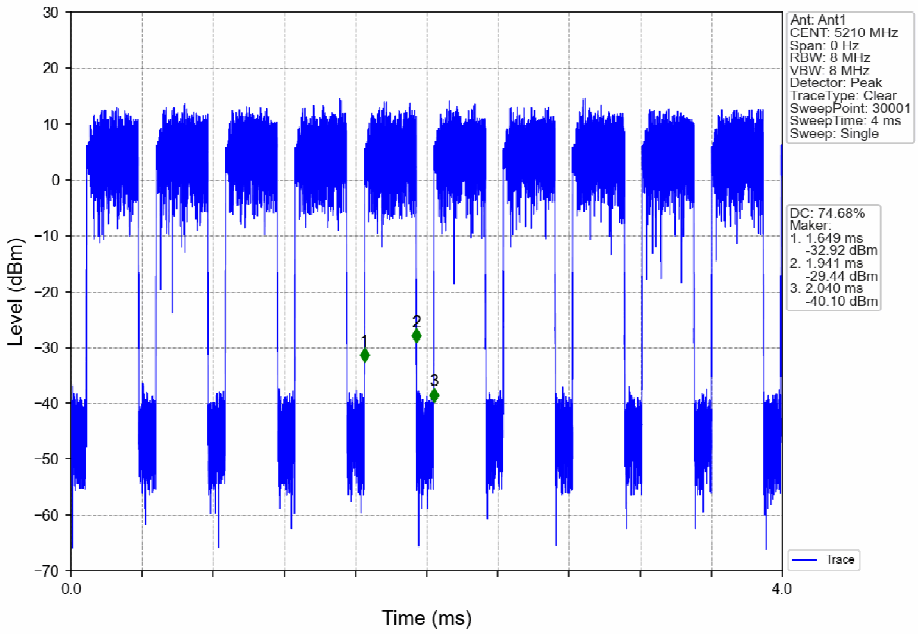
802.11ax(HEW40)_HCH_5230MHz_RU484_Left_Ant1_NTNV



802.11ax(HEW80)_MCH_5210MHz_RU996_Left_Ant1_NTNV



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2. Bandwidth

2.1 OBW

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz) Result	Verdict
802.11a	SISO	5180	/	/	1	18.305	Pass
		5200	/	/	1	18.073	Pass
		5240	/	/	1	18.161	Pass
802.11n (HT20)	MIMO	5180	/	/	1	18.861	Pass
		5200	/	/	1	18.847	Pass
		5240	/	/	1	18.853	Pass
802.11n (HT40)	MIMO	5190	/	/	1	36.419	Pass
		5230	/	/	1	36.362	Pass
802.11ac (VHT20)	MIMO	5180	/	/	1	18.948	Pass
		5200	/	/	1	18.949	Pass
		5240	/	/	1	18.864	Pass
802.11ac (VHT40)	MIMO	5190	/	/	1	36.295	Pass
		5230	/	/	1	36.435	Pass
802.11ac (VHT80)	MIMO	5210	/	/	1	75.784	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	1	19.446	Pass
		5200	RU242	Left	1	19.315	Pass
		5240	RU242	Left	1	19.288	Pass
802.11ax (HEW40)	MIMO	5190	RU484	Left	1	38.390	Pass
		5230	RU484	Left	1	38.249	Pass
802.11ax (HEW80)	MIMO	5210	RU996	Left	1	78.219	Pass

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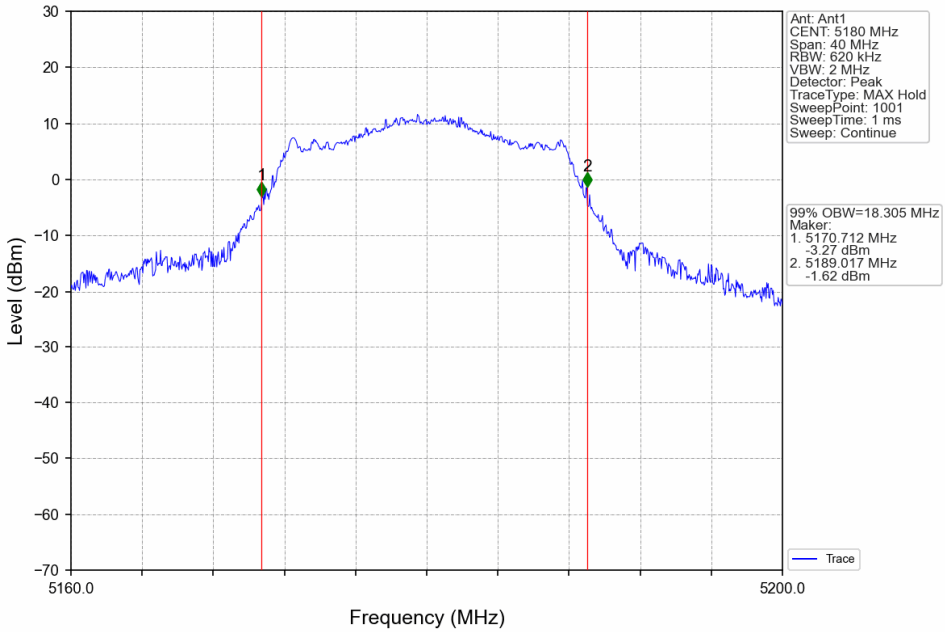
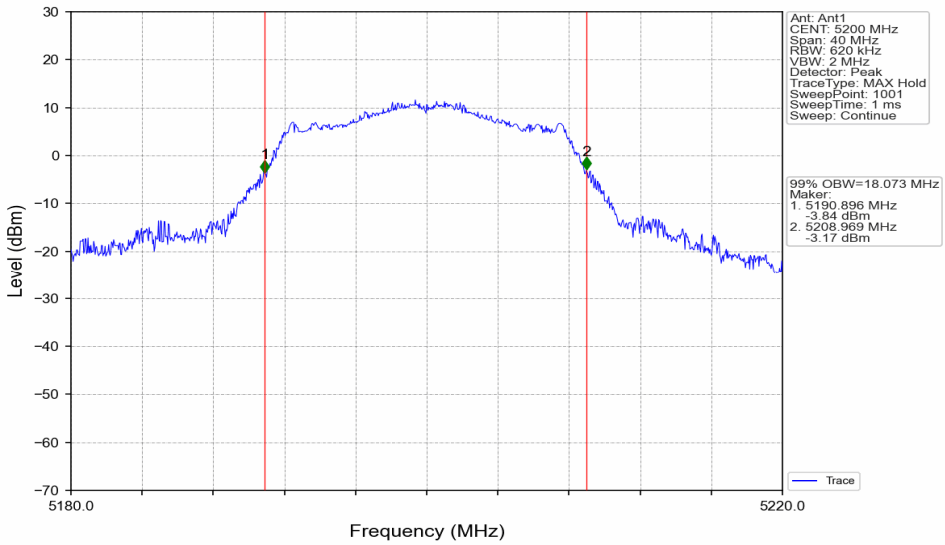
2.1.2 Test Graph

802.11a_LCH_5180MHz_Ant1_NTNV



802.11a_MCH_5200MHz_Ant1_NTNV



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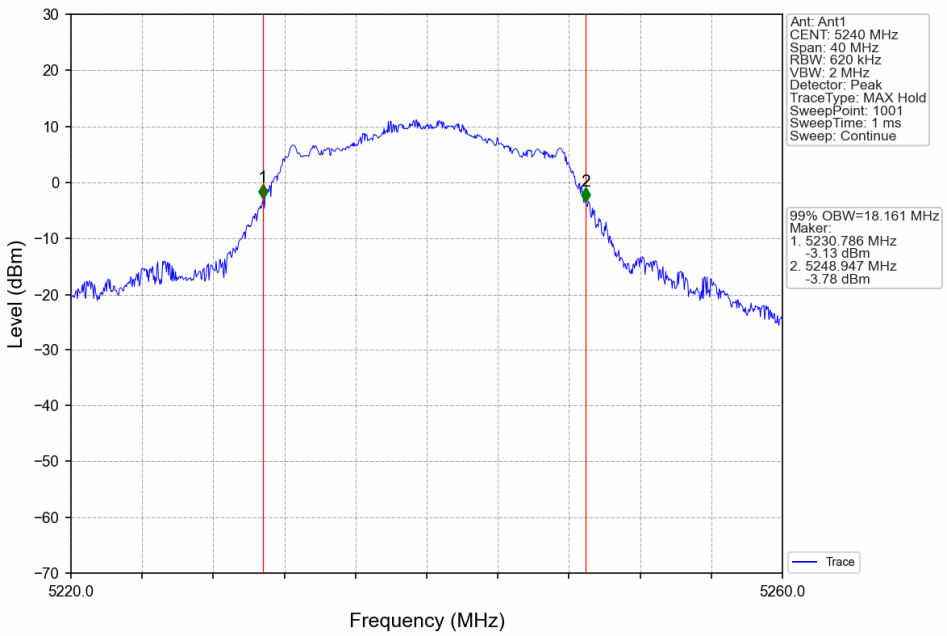
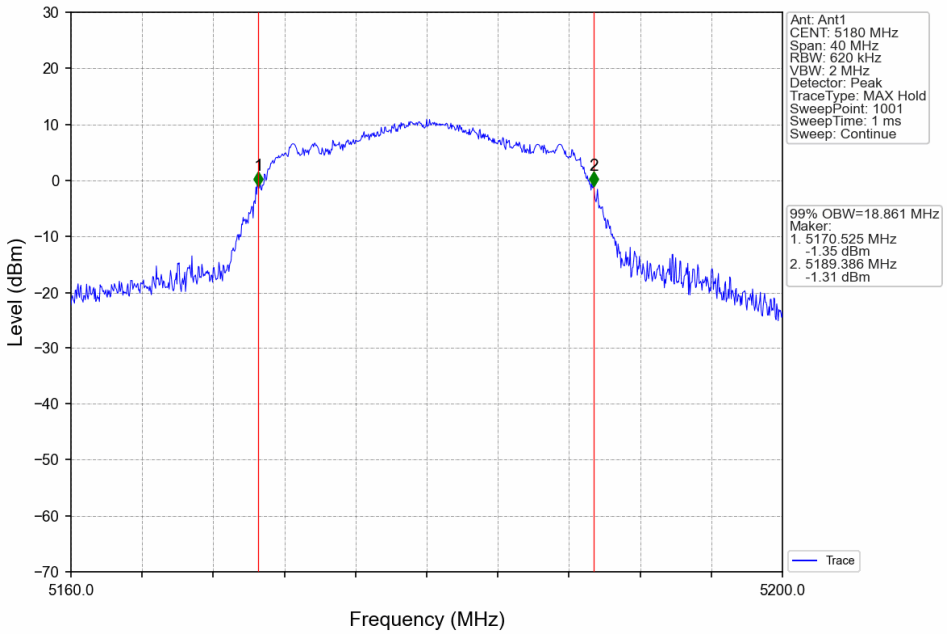
802.11a_HCH_5240MHz_Ant1_NTNV



802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



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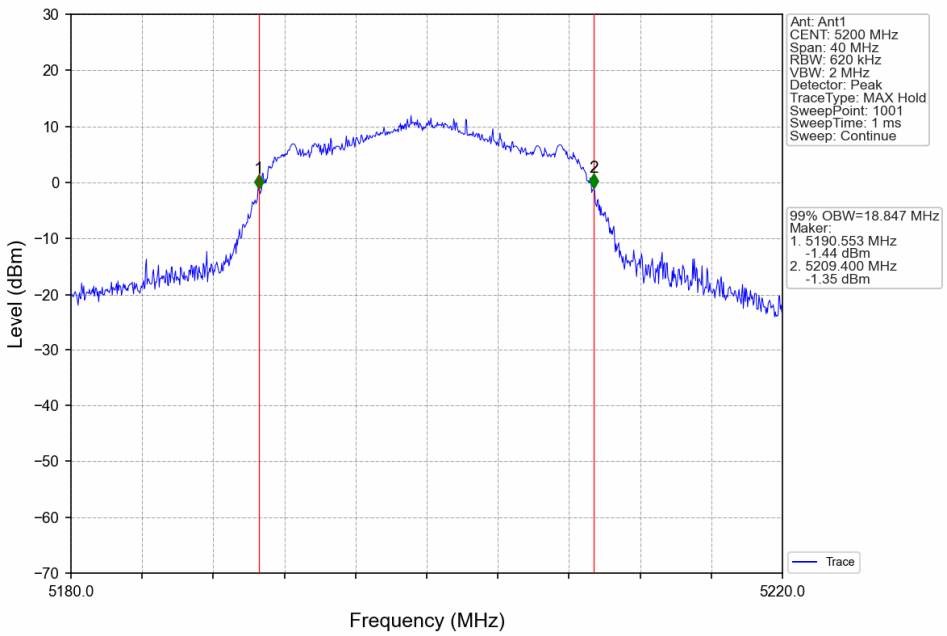
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



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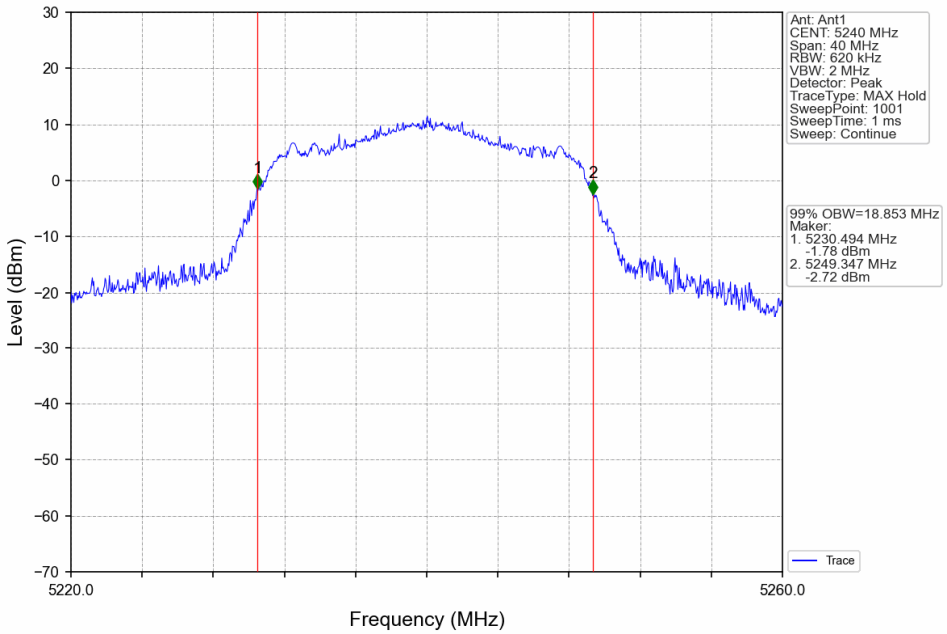

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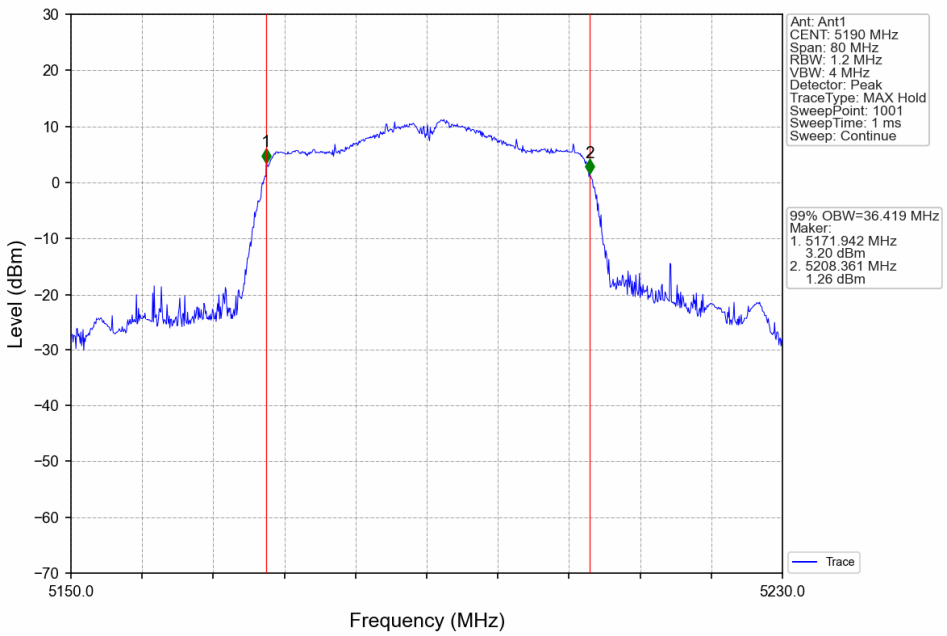
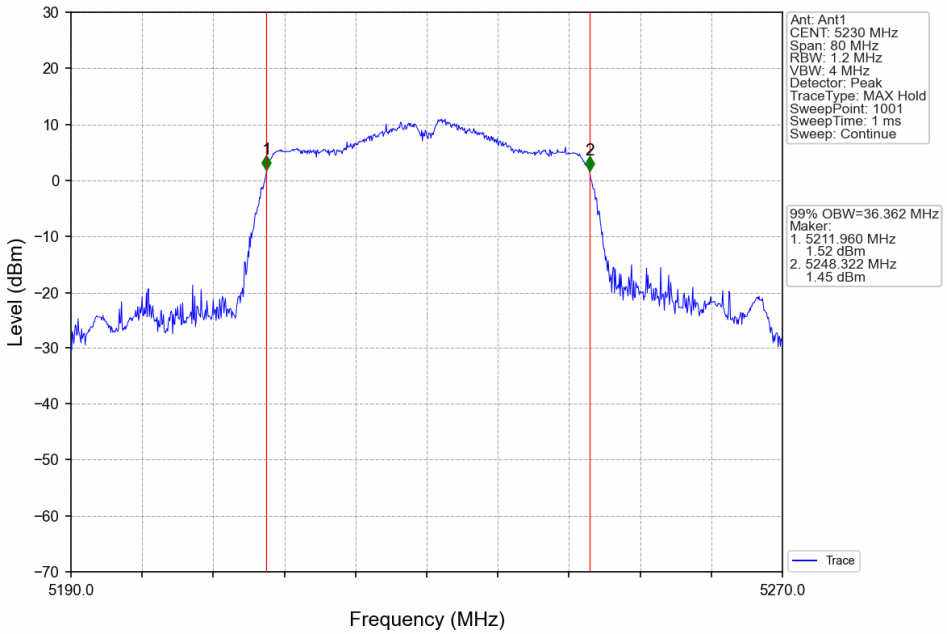
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



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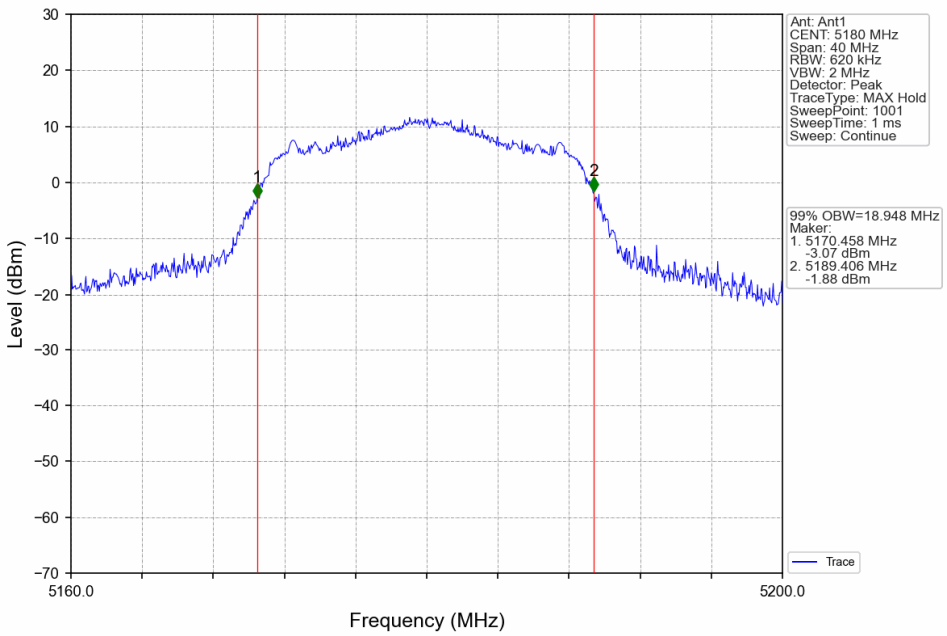
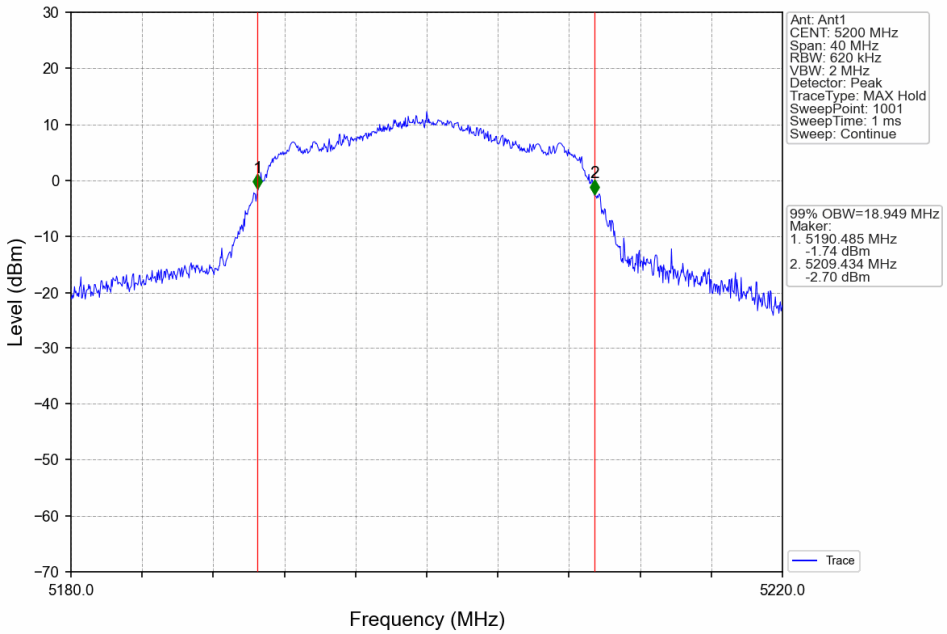
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



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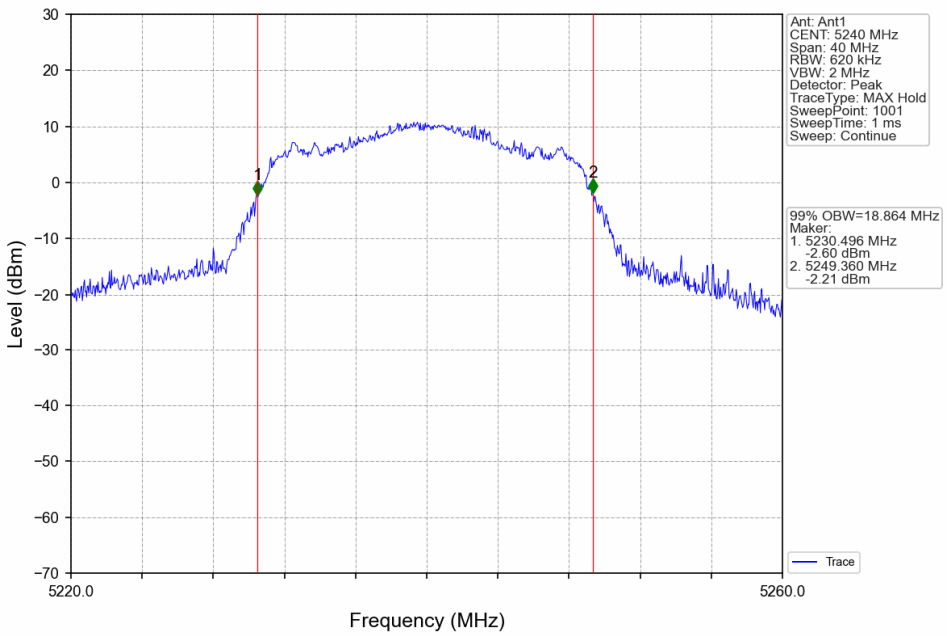
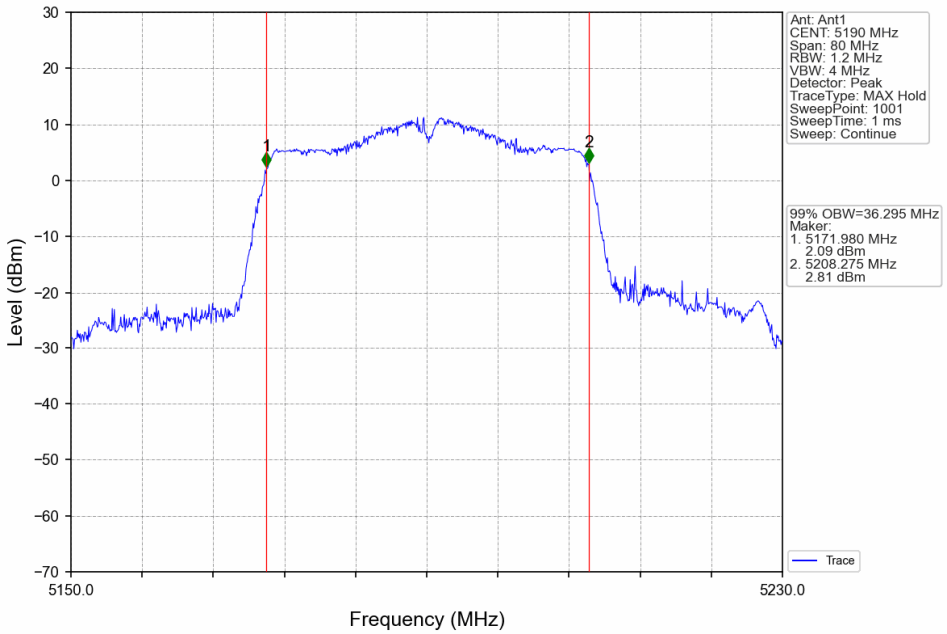
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



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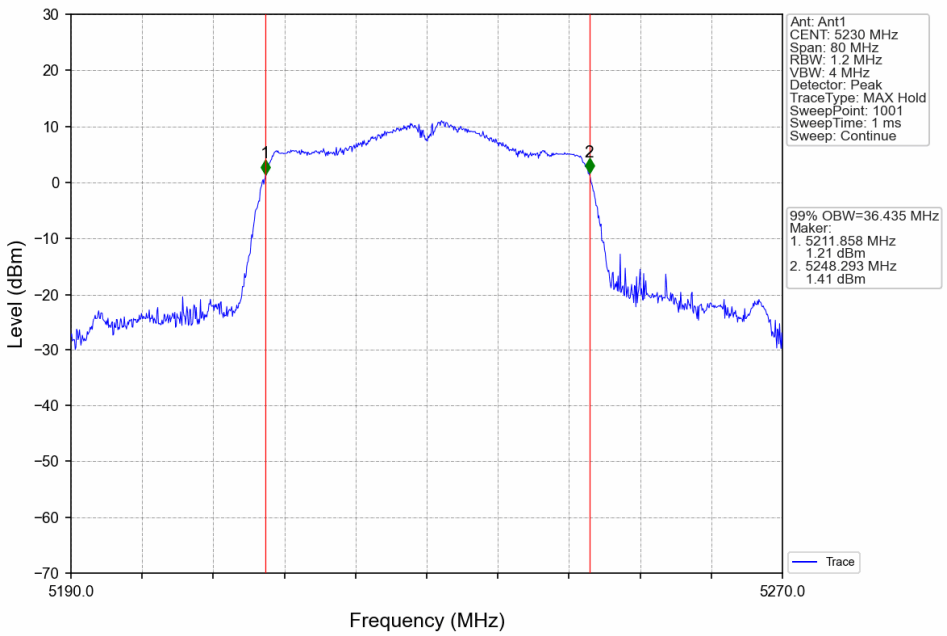
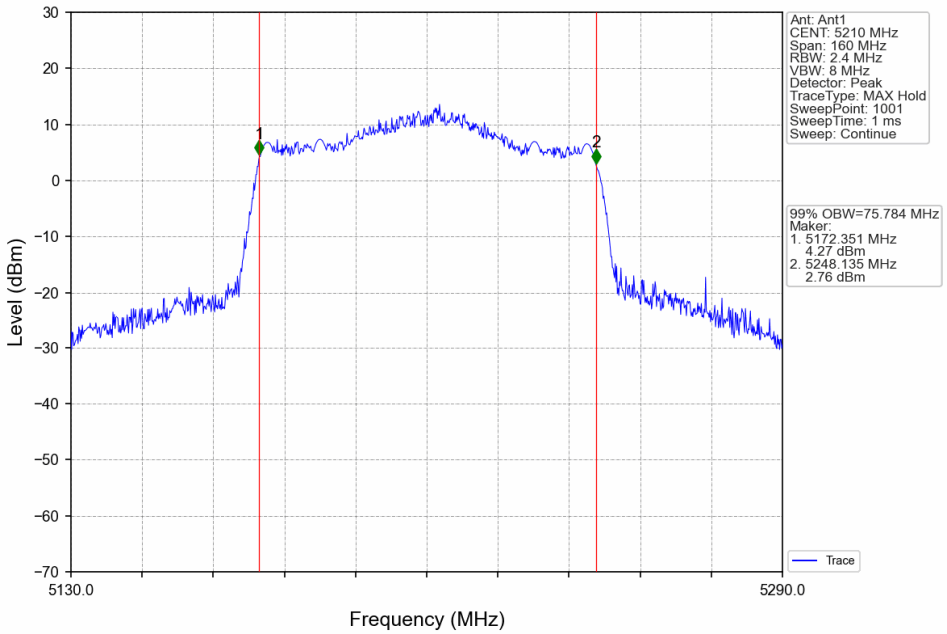
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



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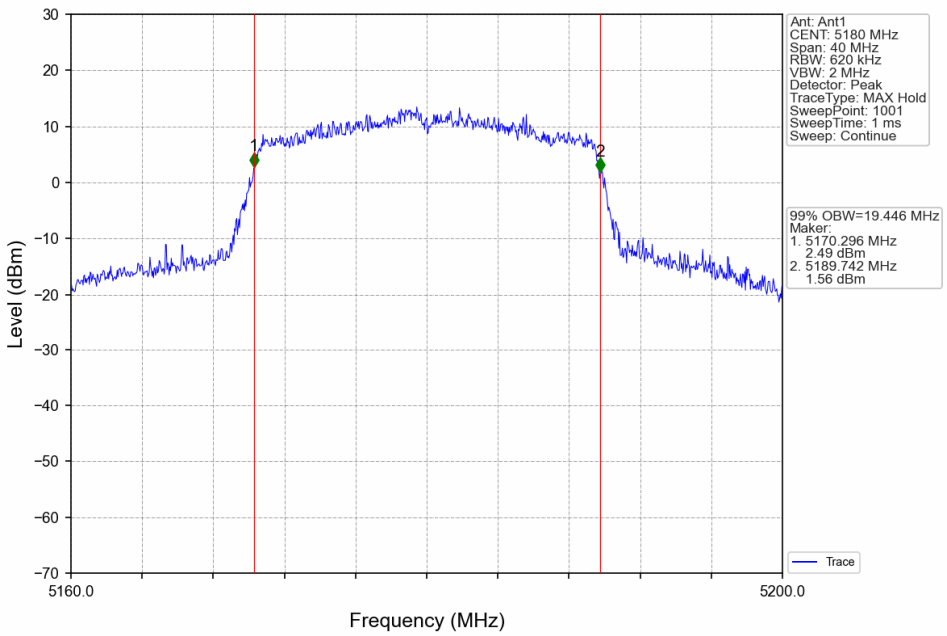
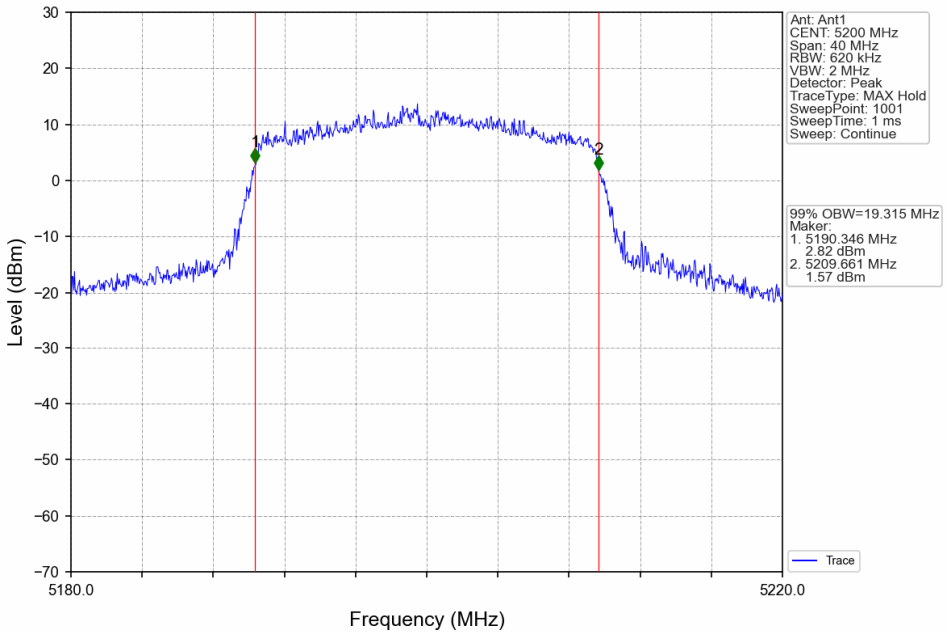
802.11ax(HEW20)_LCH_5180MHz_RU242_Left_Ant1_NTNV



802.11ax(HEW20)_MCH_5200MHz_RU242_Left_Ant1_NTNV



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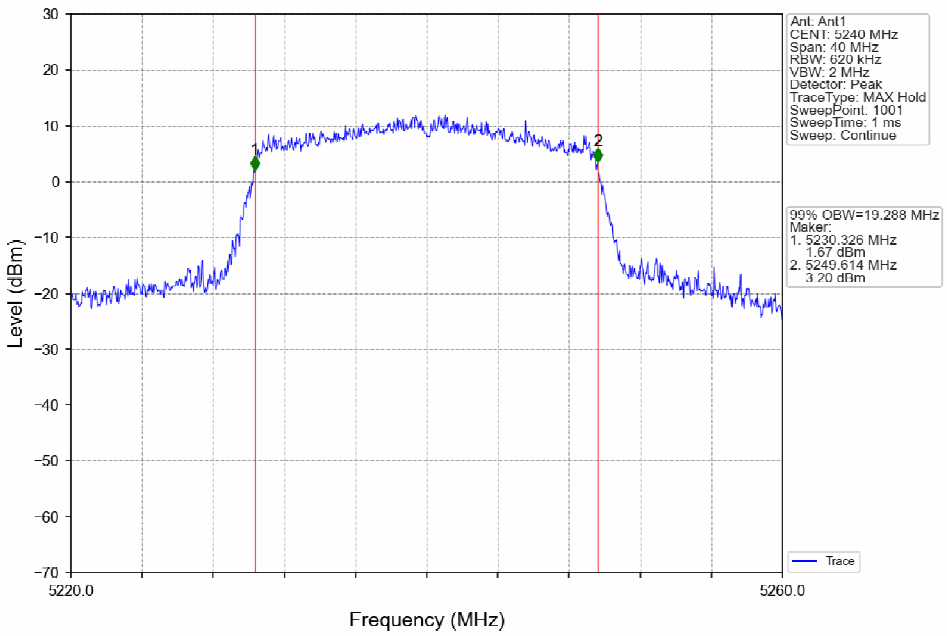
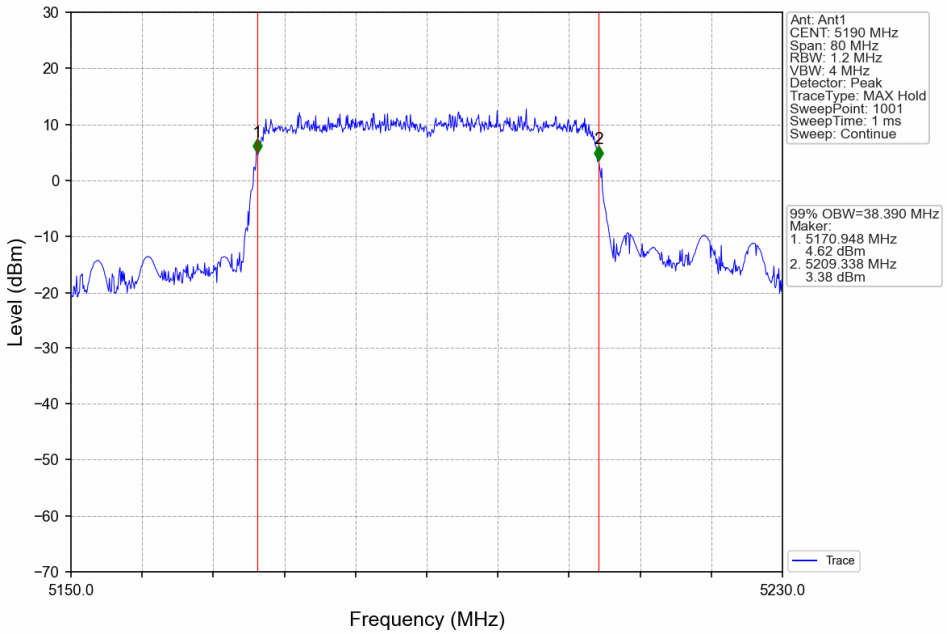
802.11ax(HEW20)_HCH_5240MHz_RU242_Left_Ant1_NTNV



802.11ax(HEW40)_LCH_5190MHz_RU484_Left_Ant1_NTNV



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