TEST REPORT

Application No.:	FYCR2301000015AT
Applicant:	Thales Avionics, Inc.
Address of Applicant:	51 Discovery, Irvine, California, USA.
Manufacturer:	Thales Avionics, Inc.
Address of Manufacturer:	51 Discovery, Irvine, California, USA.
Factory:	Wingtech Information Technology Co., LTD
Address of Factory:	NO.11 South Changjiang Road, Xinwu Distrct, WUXI, 214028 CHINA
Equipment Under Test (EUT):	
EUT Name:	SVDU6 11.6 IN-ARM OPTIQ; SVDU6 11.6 SEATBACK OPTIQ; SVDU6 13.3 IN-ARM OPTIQ; SVDU6 13.3 SEATBACK OPTIQ
Model No.:	Please refer to section 2. ♣
♣	Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.
FCC ID:	2AGGY18751113
Standard(s) :	47 CFR Part 15, Subpart E 15.407
Date of Receipt:	2023-01-10
Date of Test:	2023-02-27 to 2023-04-06
Date of Issue:	2023-04-10
Test Result:	**Pass***

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

Winkey Wang
EMC Technical Manager

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Revision Record				
Version	**Chapter**	**Date**	**Modifier**	**Remark**
01		2023-04-10		Original

Authorized for issue by:				
				
		Tree Zhan/Project Engineer		
				
		Winkey Wang/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**
Duty Cycle	47 CFR Part 15, Subpart E 15.407	KDB 789033 II B 1	KDB 789033 D02 II B 1	Pass
99% Bandwidth		KDB 789033 II D	N/A	Pass
26dB Emission bandwidth		KDB 789033 D02 II C 1	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Minimum 6 dB bandwidth (5.725-5.85 GHz band)		KDB 789033 D02 II C 2	47 CFR Part 15, Subpart E 15.407 (e)	Pass
Maximum Conducted output power		KDB 789033 D02 II E	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Peak Power spectrum density		KDB 789033 D02 II F	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Radiated Emissions (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
Non-occupancy period		KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass
Channel Move Time		KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass
Channel Closing Transmission Time		KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass
Radiated Emissions (Below 1GHz)		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass

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Remark:

Model No.: SVDU6 11.6 IN-ARM OPTIQ: 187530-101, 187530-102, 187530-201,187530-202,187530-301,187530-302, 187530-401, 187530-402.

SVDU6 11.6 SEATBACK OPTIQ: 187531-101, 187531-102, 187531-201,187531-202,187531-301,187531-302, 187531-401, 187531-402, 187531-801, 187531-802.

SVDU6 13.3 IN-ARM OPTIQ:187500-101, 187500-102, 187500-201,187500-202,187500-301,187500-302, 187500-401, 187500-402, 187500-312.

SVDU6 13.3 SEATBACK OPTIQ: 187501-101, 187501-102, 187501-201,187501-202,187501-301,187501-302, 187501-401, 187501-402, 187501-312, 187501-801, 187501-802.

Model Differences-Both models are identical except for model No. and below details

Model No.	Storage Size	Camera	LCD Panel
187531-101	128GB	Without	RE116QUM-A5A
187531-102	512GB	Without	RE116QUM-A5A
187531-201	128GB	Without	RE116QUM-A5A
187531-202	512GB	Without	RE116QUM-A5A
187531-401	128GB	Support	RE116QUM-A50
187531-402	512GB	Support	RE116QUM-A50
187531-301	128GB	Support	RE116QUM-A50
187531-302	512GB	Support	RE116QUM-A50
187531-801	128GB	Without	RE116QUM-A5A
187531-802	512GB	Support	RE116QUM-A50
187530-101	128GB	Without	RE116QUM-A5A
187530-102	512GB	Without	RE116QUM-A5A
187530-201	128GB	Without	RE116QUM-A5A
187530-202	512GB	Without	RE116QUM-A5A
187530-401	128GB	Support	RE116QUM-A50
187530-402	512GB	Support	RE116QUM-A50
187530-301	128GB	Support	RE116QUM-A50
187530-302	512GB	Support	RE116QUM-A50

检验检测专用章 Inspection & Testing Services

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Fuyong lab. Xinlong TechnoPark, Fengtang Road, Fuyong Subdistrict, Bao'an, Shenzhen, China 518103 t (86–755) 88663988 f (86–755) 26710594 www.sgsgroup.com.cn
中国・深圳・宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86–755) 88663988 f (86–755) 26710594 sgs.china@sgs.com

Model No.	Storage Size	Camera	LCD Panel
187501-101	128GB	Without	RE133QUM-A5A
187501-102	512GB	Without	RE133QUM-A5A
187501-201	128GB	Without	RE133QUM-A5A
187501-202	512GB	Without	RE133QUM-A5A
187501-401	128GB	Support	RE133QUM-A50
187501-402	512GB	Support	RE133QUM-A50
187501-301	128GB	Support	RE133QUM-A50
187501-302	512GB	Support	RE133QUM-A50
187501-312	512GB	Support	RE133QUM-A50
187501-801	128GB	Without	RE133QUM-A5A
187501-812	512GB	Support	RE133QUM-A50
187500-101	128GB	Without	RE133QUM-A5A
187500-102	512GB	Without	RE133QUM-A5A
187500-201	128GB	Without	RE133QUM-A5A
187500-202	512GB	Without	RE133QUM-A5A
187500-401	128GB	Support	RE133QUM-A50
187500-402	512GB	Support	RE133QUM-A50
187500-301	128GB	Support	RE133QUM-A50
187500-302	512GB	Support	RE133QUM-A50
187500-312	512GB	Support	RE133QUM-A50

The model 187500-402 was tested fully, and the models 187530-402 were performed the Transmitter unwanted emissions in the spurious domain for discrepancy.

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4 General Information

4.1 Details of E.U.T.

Power supply:	Powered by DC 28V
Operation Frequency (20MHz):	U-NII-1: 5180-5240MHz; U-NII-2A: 5260-5320MHz; U-NII-2C: 5500-5700MHz; U-NII-3: 5745-5825MHz
Operation Frequency (40MHz):	U-NII-1: 5190-5230MHz; U-NII-2A: 5270-5310MHz; U-NII-2C: 5510-5670MHz; U-NII-3: 5755-5795MHz
Operation Frequency (80MHz):	U-NII-1: 5210MHz; U-NII-2A: 5290MHz; U-NII-2C: 5530-5610MHz; U-NII-3: 5775MHz
Modulation Type:	802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK); 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM); 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)
Channel Spacing:	802.11a/n(HT20)/ac(HT20): 20MHz; 802.11n(HT40)/ac(HT40): 40MHz; 802.11ac(HT80): 80MHz
DFS Function:	Slave without Radar detection
TPC Function:	Without TPC function
Antenna Type:	Integral Antenna
Antenna Gain:	Antenna 1: 4.5dBi; Antenna 2: 5.7dBi Two antennas can transmit simultaneously. Directional gain: 8.13dBi

Remark: The information in this section is provided by the applicant or manufacturer, CCS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
DC power supply	ZHAOXIN	PS-3005D	REF.No.SEA27B01
RF cable	SGS	N/A (cable loss: 0.5dBi)	SEL00438

4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Duty Cycle	± 0.3%
99% Bandwidth	± 0.3%
26dB Emission bandwidth	± 0.3%
Minimum 6 dB bandwidth (5.725-5.85 GHz band)	± 0.3%
Maximum Conducted output power	± 0.8dB
Peak Power spectrum density	± 0.4dB
Radiated Emissions (Above 1GHz)	± 4.4dB (Above 1GHz)
Radiated Emissions which fall in the restricted bands	± 4.4dB (Above 1GHz)
Frequency Stability	± 5.4 x 10-8
Non-occupancy period	± 0.8dB

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Channel Move Time	± 0.8dB
Channel Closing Transmission Time	± 0.8dB
Radiated Emissions (Below 1GHz)	± 3.1dB (Below 1GHz)

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:

Compliance Certification Services（Kunshan）Inc. Shenzhen branch.

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

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

No tests were sub-contracted.

4.5 Test Facility

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

• A2LA (Certificate No. 6606.01)

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

• FCC –Designation Number: CN1322

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

Designation Number: CN1322. Test Firm Registration Number: 718073

• Innovation, Science and Economic Development Canada

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

CAB identifier: CN0129.

IC#: 28189.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None

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5 Equipment List

Duty Cycle					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-25	2022/5/30	2023/5/29
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2022/7/12	2023/7/11
Coaxial Cable	CCS	N/A	SEM037-01	2022/5/16	2023/5/15
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A

99% Bandwidth					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-25	2022/5/30	2023/5/29
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2022/7/12	2023/7/11
Coaxial Cable	CCS	N/A	SEM037-01	2022/5/16	2023/5/15
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A

26dB Emission bandwidth					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-25	2022/5/30	2023/5/29
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2022/7/12	2023/7/11
Coaxial Cable	CCS	N/A	SEM037-01	2022/5/16	2023/5/15
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A

Minimum 6 dB bandwidth (5.725-5.85 GHz band)					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-25	2022/5/30	2023/5/29
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2022/7/12	2023/7/11
Coaxial Cable	CCS	N/A	SEM037-01	2022/5/16	2023/5/15
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A

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Maximum Conducted output power					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
Power Sensor	Erika Fiedler	U2021XA	SEM009-15	2022/7/12	2023/7/11
Power Sensor	Erika Fiedler	U2021XA	SEM009-16	2022/7/12	2023/7/11
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2022/7/12	2023/7/11
Coaxial Cable	CCS	N/A	SEM037-01	2022/5/16	2023/5/15
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A

Peak Power spectrum density					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-25	2022/5/30	2023/5/29
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2022/7/12	2023/7/11
Coaxial Cable	CCS	N/A	SEM037-01	2022/5/16	2023/5/15
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A

Radiated Emissions (Above 1GHz)					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
3m Anechoic Chamber	CRT	N/A	SEM001-13	2021/7/13	2024/7/12
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9120D	SEM003-32	2021/9/26	2024/9/25
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-23	2022/4/24	2023/4/23
Coaxial Cable	CCS	N/A	SEM035-02	2022/5/16	2023/5/15
Pre-amplifier	TST PASS	LNA04080G30	SEM005-27	2022/4/15	2023/4/14
Pre-amplifier	TST PASS	LNA10180G45	SEM005-28	2022/4/15	2023/4/14
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A

Radiated Emissions which fall in the restricted bands					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
3m Anechoic Chamber	CRT	N/A	SEM001-13	2021/7/13	2024/7/12
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9120D	SEM003-32	2021/9/26	2024/9/25
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-23	2022/4/24	2023/4/23
Coaxial Cable	CCS	N/A	SEM035-02	2022/5/16	2023/5/15
Pre-amplifier	TST PASS	LNA04080G30	SEM005-27	2022/4/15	2023/4/14
Pre-amplifier	TST PASS	LNA10180G45	SEM005-28	2022/4/15	2023/4/14
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A

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Frequency Stability					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2022/7/12	2023/7/11
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-25	2022/5/30	2023/5/29
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2022/7/12	2023/7/11
Coaxial Cable	CCS	N/A	SEM037-01	2022/5/16	2023/5/15
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A

Non-occupancy period					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-25	2022/5/30	2023/5/29
Signal Generator	Agilent	N5173B	SEM006-05	2022/7/12	2023/7/11
ESG Vector Signal Generator	Agilent	E4438C	SEM006-15	2022/7/12	2023/7/11
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2022/7/12	2023/7/11
Coaxial Cable	CCS	N/A	SEM037-01	2022/5/16	2023/5/15
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
MXA Signal Analyzer	KEYSIGHT	N9020B	SEM004-24	2022/4/24	2023/4/23

Channel Move Time					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-25	2022/5/30	2023/5/29
Signal Generator	Agilent	N5173B	SEM006-05	2022/7/12	2023/7/11
ESG Vector Signal Generator	Agilent	E4438C	SEM006-15	2022/7/12	2023/7/11
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2022/7/12	2023/7/11
Coaxial Cable	CCS	N/A	SEM037-01	2022/5/16	2023/5/15
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
MXA Signal Analyzer	KEYSIGHT	N9020B	SEM004-24	2022/4/24	2023/4/23

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Channel Closing Transmission Time					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-25	2022/5/30	2023/5/29
Signal Generator	Agilent	N5173B	SEM006-05	2022/7/12	2023/7/11
ESG Vector Signal Generator	Agilent	E4438C	SEM006-15	2022/7/12	2023/7/11
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2022/7/12	2023/7/11
Coaxial Cable	CCS	N/A	SEM037-01	2022/5/16	2023/5/15
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
MXA Signal Analyzer	KEYSIGHT	N9020B	SEM004-24	2022/4/24	2023/4/23

Radiated Emissions (Below 1GHz)					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
3m Anechoic Chamber	CRT	N/A	SEM001-13	2021/7/13	2024/7/12
Trilog-Broadband Antenna	Schwarzbeck	VULB9168	SEM003-33	2021/9/25	2024/9/24
Loop Antenna	ETS-LINDGREN	6502	SEM003-36	2021/9/26	2024/9/25
MXE EMI receiver	Agilent	N9038A	SEM004-05	2022/7/12	2023/7/11
Pre-amplifier	HP	8447D	SEM005-02	2022/7/12	2023/7/11
Coaxial Cable	CCS	N/A	SEM035-01	2022/5/16	2023/5/15
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A

General used equipment					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
Humidity/ Temperature Indicator	Mingle	TH607	SEM002-22	2022/7/12	2023/7/11
Humidity/ Temperature Indicator	Mingle	TH607	SEM002-23	2022/7/12	2023/7/11
Barometer	DUMAI	DYM3	SEM002-24	2022/7/12	2023/7/11

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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 Antenna 1: 4.5dBi; Antenna 2: 5.7dBi

Antenna location: Refer to internal photo.

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6.2 Transmission in the Absence of Data

6.2.1 Test Requirement:

47 CFR Part 15, Subpart E 15.407 (c)

6.2.2 Conclusion

Standard Requirement:

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

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

EUT Details:

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

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7 Radio Spectrum Matter Test Results

7.1 Duty Cycle

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

7.1.1 E.U.T. Operation

Operating Environment:
Temperature: 23.7 °C Humidity: 45.6 % RH Atmospheric Pressure: 1020 mbar

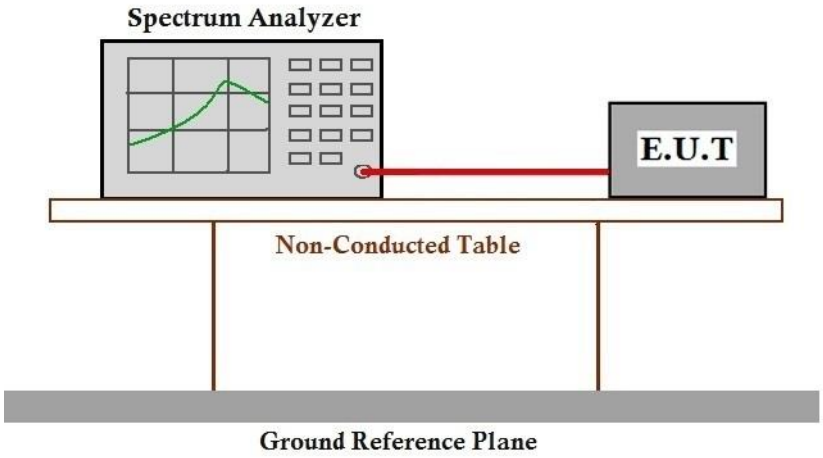
7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	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), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80); final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	07	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE

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		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); final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.

7.1.3 Test Setup Diagram



7.1.4 Measurement Procedure and Data

Please Refer to Appendix for Details

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7.2 99% Bandwidth

Test Requirement N/A

Test Method: KDB 789033 II D

7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 23.7 °C Humidity: 45.6 % RH Atmospheric Pressure: 1020 mbar

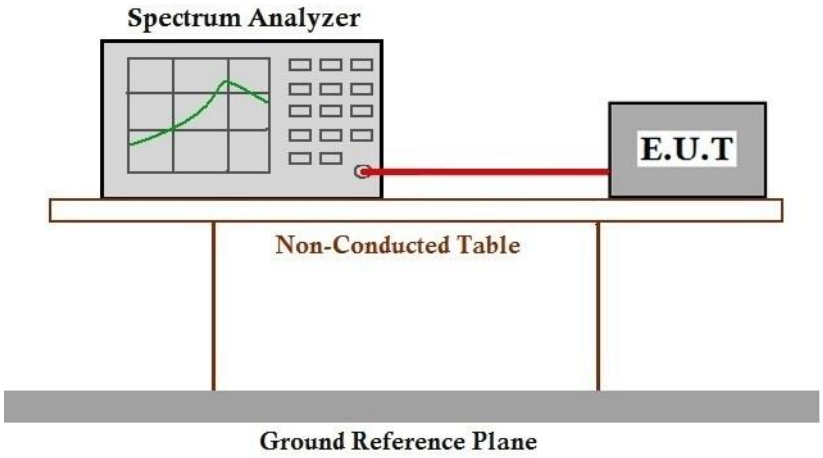
7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	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), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80); final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	07	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80); final test modes are considering the modulation and worse data rates. Only the data of worst case is

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7.2.3 Test Setup Diagram



7.2.4 Measurement Procedure and Data

Please Refer to Appendix for Details

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中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86–755) 88663988 f (86–755) 26710594 sgs.china@sgs.com
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7.3 26dB Emission bandwidth

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

Test Method: KDB 789033 D02 II C 1

7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 23.7 °C Humidity: 45.6 % RH Atmospheric Pressure: 1020 mbar

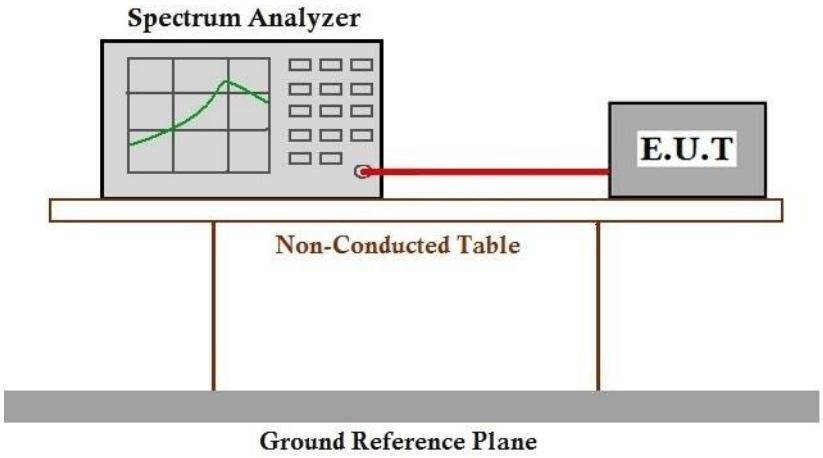
7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	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), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80); final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	07	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80); final test modes are considering the modulation and worse data rates. Only the data of worst case is

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7.3.3 Test Setup Diagram



7.3.4 Measurement Procedure and Data

Please Refer to Appendix for Details

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7.4 Minimum 6 dB bandwidth (5.725-5.85 GHz band)

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

Test Method: KDB 789033 D02 II C 2

Limit:

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

7.4.1 E.U.T. Operation

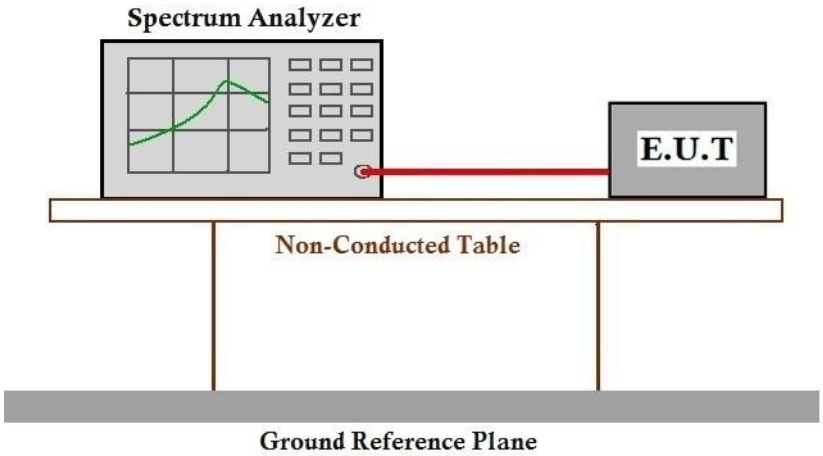
Operating Environment:

Temperature: 23.7 °C Humidity: 45.6 % RH Atmospheric Pressure: 1020 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	07	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80); 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



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7.4.4 Measurement Procedure and Data

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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: 23.7 °C Humidity: 45.6 % RH Atmospheric Pressure: 1020 mbar

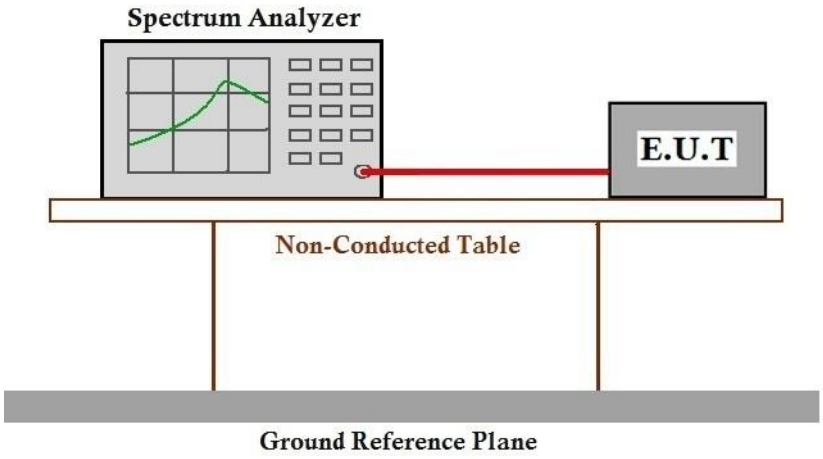
7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	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), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80), final test modes are

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		considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80); final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	07	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80); 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: 23.7 °C Humidity: 45.6 % RH Atmospheric Pressure: 1020 mbar

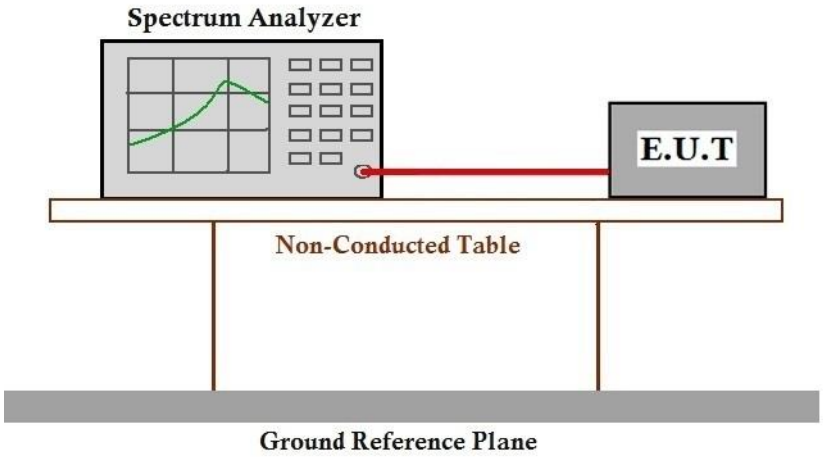
7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	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), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all

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		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); final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	07	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80); final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.

7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

Please Refer to Appendix for Details

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7.7 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

Measurement Distance: 3m

Limit:

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

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

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

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

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

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

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

7.7.1 E.U.T. Operation

Operating Environment:

Temperature: 22.4 °C Humidity: 50.8 % RH Atmospheric Pressure: 1020 mbar

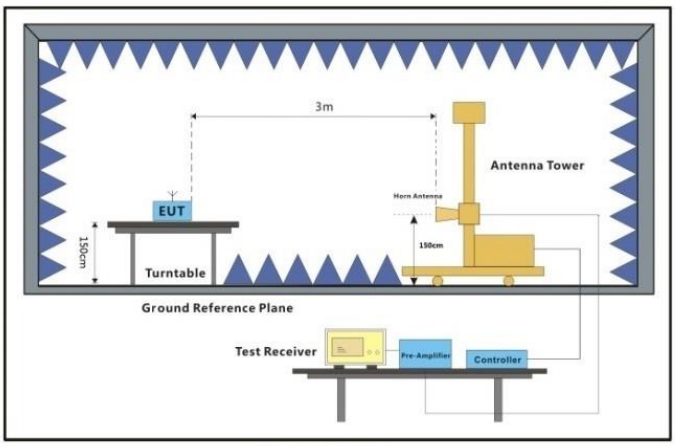
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7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	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), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80); final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	07	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80); 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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7.7.3 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. Test frequency of standard requirement and additional frequency were tested and only the test frequency of standard requirement was recorded in the report.

3. 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.

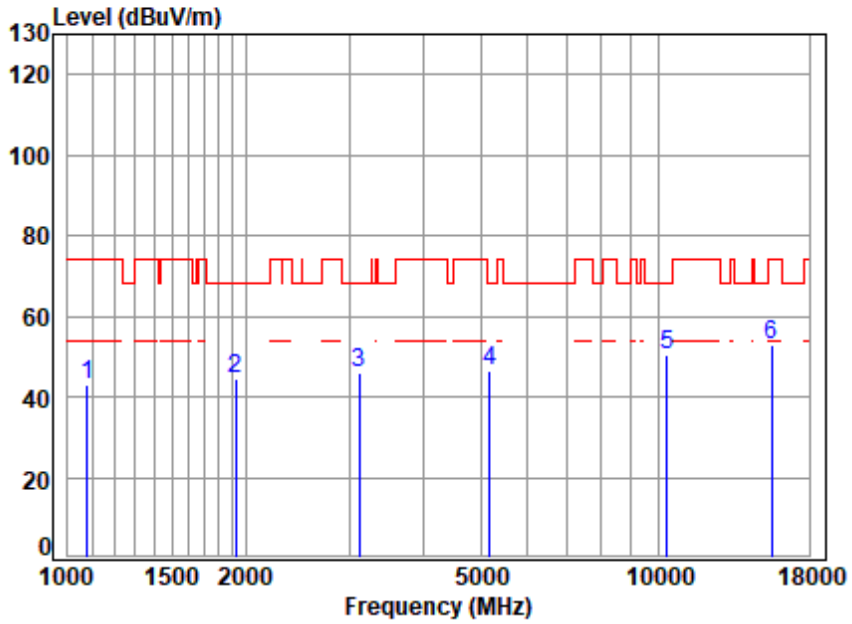
4. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions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

5. 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.

6. 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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Member of the SGS Group (SGS SA)

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

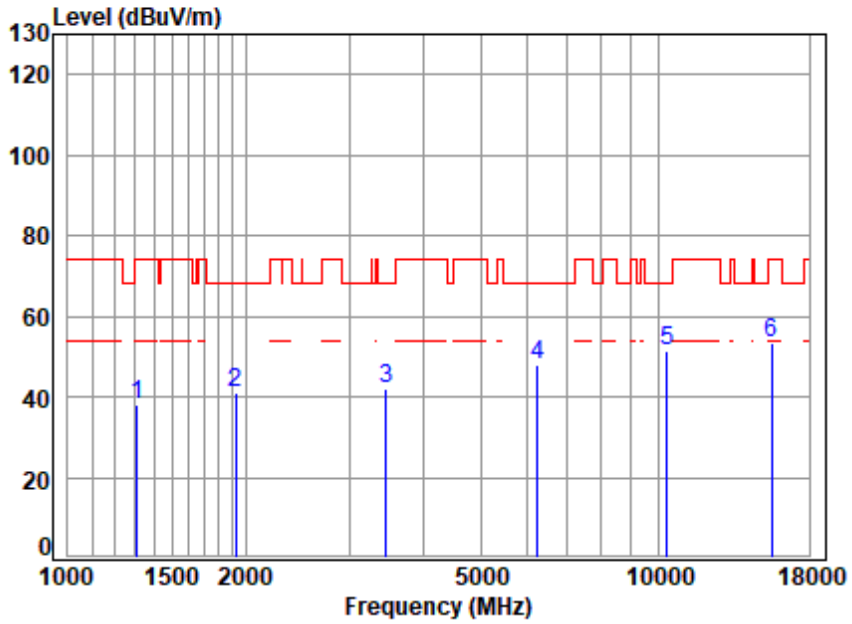


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5180 TX RSE
Note : 5G WIFI 11A

	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	1078.046	2.85	24.18	52.57	68.45	42.91	74.00	-31.09	Peak
2	1927.289	4.62	25.85	53.07	66.85	44.25	68.20	-23.95	Peak
3	3114.025	6.03	28.62	53.06	64.14	45.73	68.20	-22.47	Peak
4	5179.049	8.29	31.84	53.04	59.28	46.37	68.20	-21.83	Peak
5	10360.000	11.08	38.85	53.35	54.00	50.58	68.20	-17.62	peak
6	15540.000	13.49	39.74	53.43	53.32	53.12	74.00	-20.88	peak

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

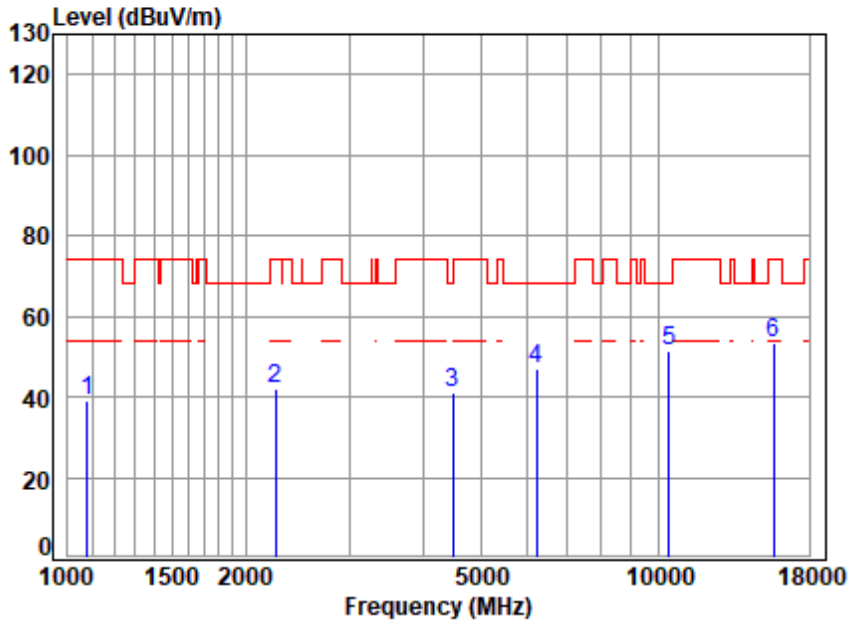


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5180 TX RSE
Note : 5G WIFI 11A

	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	1312.187	3.40	24.24	52.74	63.16	38.06	74.00	-35.94	Peak
2	1921.727	4.61	25.82	53.07	63.81	41.17	68.20	-27.03	Peak
3	3455.508	6.88	28.69	52.95	59.22	41.84	68.20	-26.36	Peak
4	6249.464	7.67	33.52	52.98	59.51	47.72	68.20	-20.48	Peak
5	10360.000	11.08	38.85	53.35	54.66	51.24	68.20	-16.96	peak
6	15540.000	13.49	39.74	53.43	53.48	53.28	74.00	-20.72	peak

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

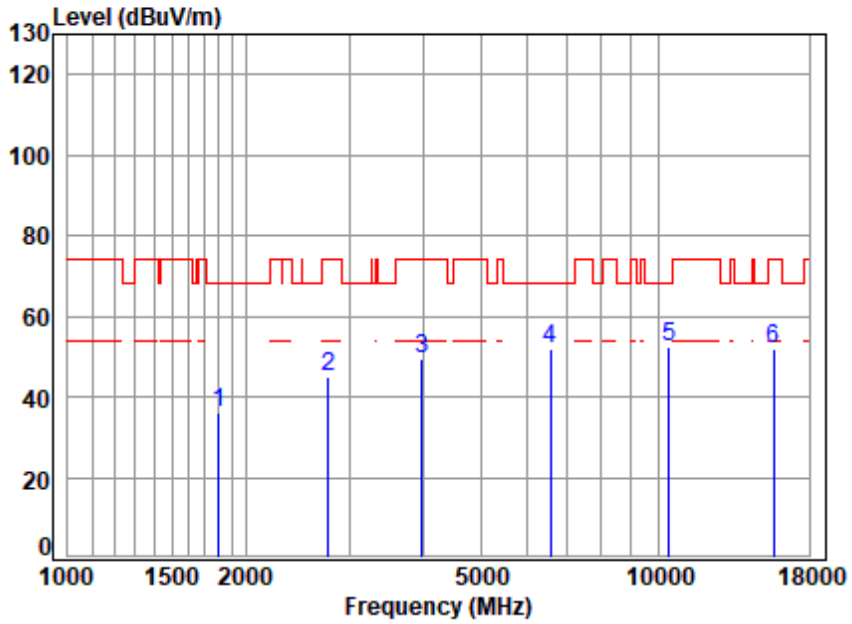


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5220 TX RSE
Note : 5G WIFI 11A

	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	1081.166	2.86	24.19	52.57	64.71	39.19	74.00	-34.81	Peak
2	2246.344	4.95	26.82	53.10	63.17	41.84	74.00	-32.16	Peak
3	4495.125	7.47	30.19	52.96	56.40	41.10	68.20	-27.10	Peak
4	6231.427	7.67	33.44	52.97	58.75	46.89	68.20	-21.31	Peak
5	10440.000	11.07	38.94	53.38	54.58	51.21	68.20	-16.99	peak
6	15660.000	13.50	39.33	53.37	53.74	53.20	74.00	-20.80	peak

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

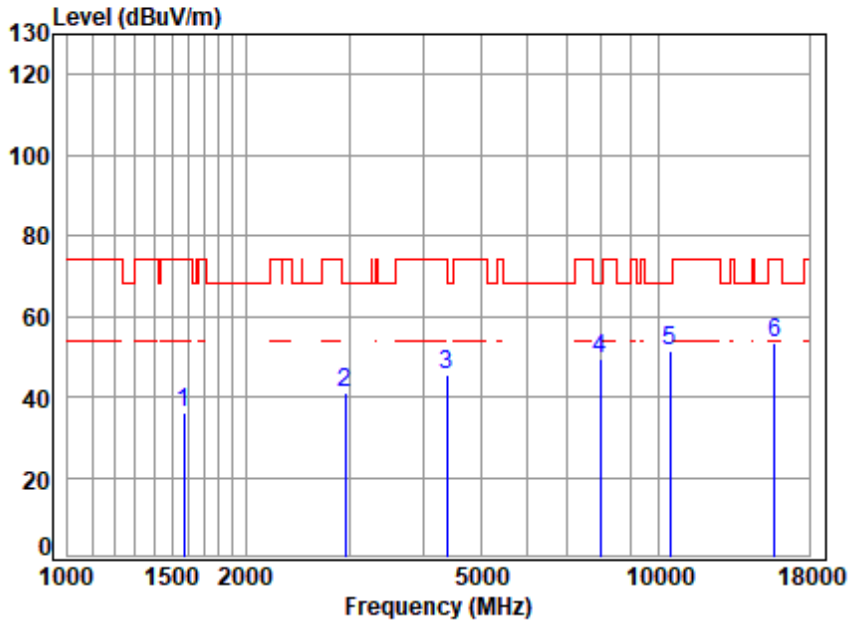


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5220 TX RSE
Note : 5G WIFI 11A

	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	1803.332	4.40	25.22	53.01	59.55	36.16	68.20	-32.04	Peak
2	2758.041	5.45	28.05	53.10	64.48	44.88	74.00	-29.12	Peak
3	3981.257	7.47	29.47	52.80	65.27	49.41	74.00	-24.59	Peak
4	6564.209	7.76	34.76	53.21	62.43	51.74	68.20	-16.46	Peak
5	10440.000	11.07	38.94	53.38	55.96	52.59	68.20	-15.61	peak
6	15660.000	13.50	39.33	53.37	52.59	52.05	74.00	-21.95	peak

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

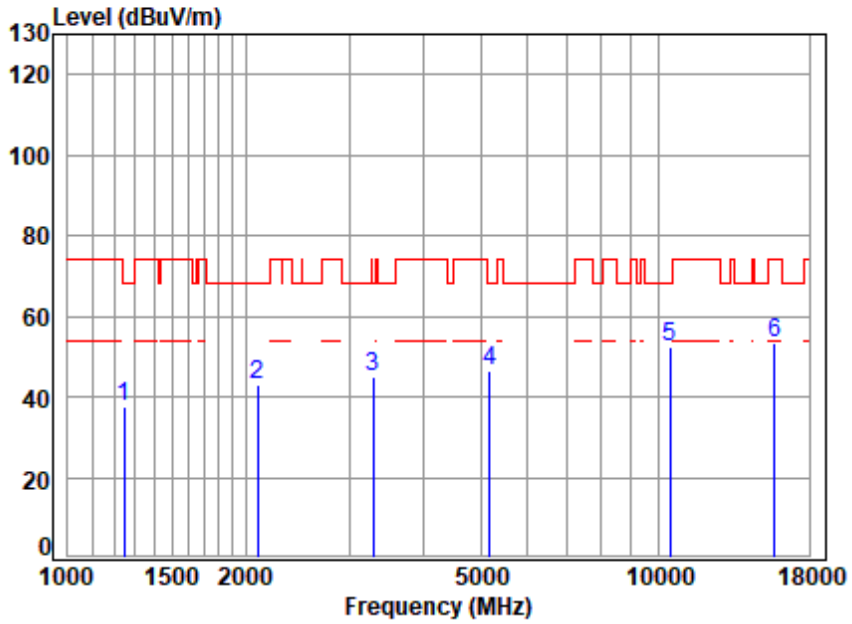


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5240 TX RSE
Note : 5G WIFI 11A

	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	1574.265	3.93	24.73	52.89	60.27	36.04	74.00	-37.96	Peak
2	2947.623	5.66	28.48	53.10	59.86	40.90	68.20	-27.30	Peak
3	4392.376	7.47	30.06	52.93	61.05	45.65	74.00	-28.35	Peak
4	7989.893	9.41	36.20	53.60	57.41	49.42	68.20	-18.78	Peak
5	10480.000	11.06	38.99	53.40	54.90	51.55	68.20	-16.65	peak
6	15720.000	13.50	39.13	53.34	53.86	53.15	74.00	-20.85	peak

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

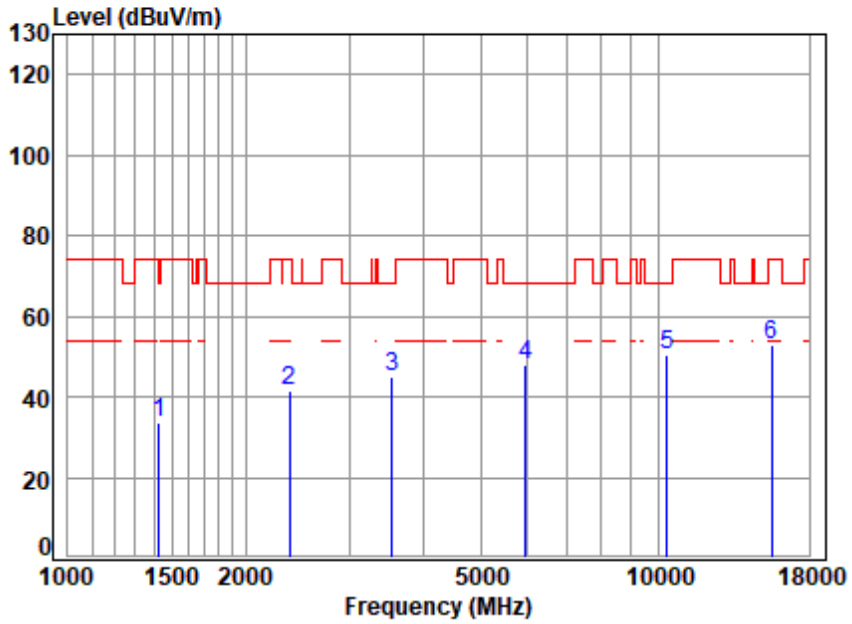


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5240 TX RSE
Note : 5G WIFI 11A

	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	1245.663	3.25	24.28	52.69	62.91	37.75	68.20	-30.45	Peak
2	2095.800	4.83	26.45	53.10	64.92	43.10	68.20	-25.10	Peak
3	3289.821	6.48	28.66	53.00	62.70	44.84	68.20	-23.36	Peak
4	5179.049	8.29	31.84	53.04	59.43	46.52	68.20	-21.68	Peak
5	10480.000	11.06	38.99	53.40	55.67	52.32	68.20	-15.88	peak
6	15720.000	13.50	39.13	53.34	53.89	53.18	74.00	-20.82	peak

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

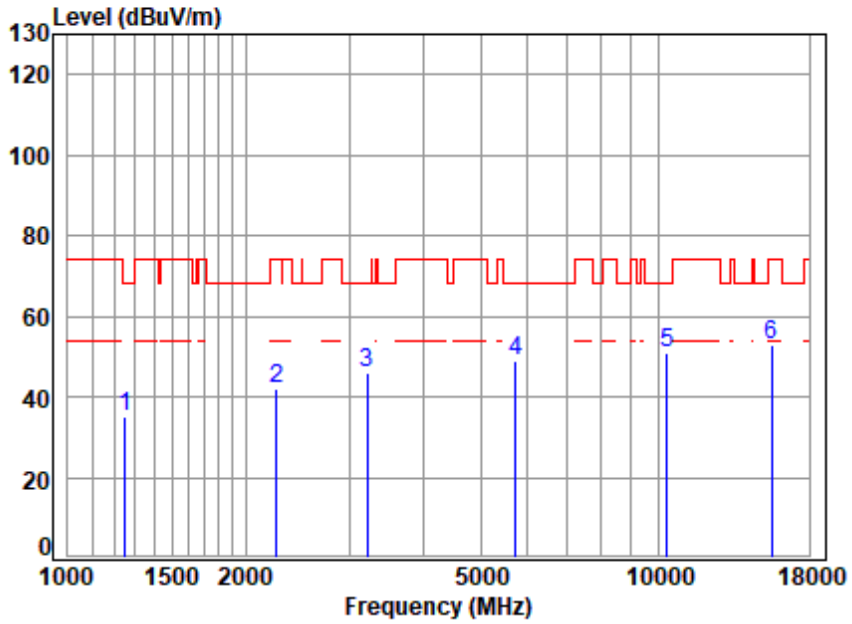


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5180 TX RSE
Note : 5G WIFI 11N20

	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	1426.916	3.63	24.29	52.81	58.26	33.37	74.00	-40.63	Peak
2	2373.157	5.04	27.12	53.10	62.31	41.37	74.00	-32.63	Peak
3	3546.577	7.04	28.78	52.93	61.87	44.76	68.20	-23.44	Peak
4	5949.811	7.70	32.42	52.81	60.65	47.96	68.20	-20.24	Peak
5	10360.000	11.08	38.85	53.35	53.99	50.57	68.20	-17.63	peak
6	15540.000	13.49	39.74	53.43	52.96	52.76	74.00	-21.24	peak

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

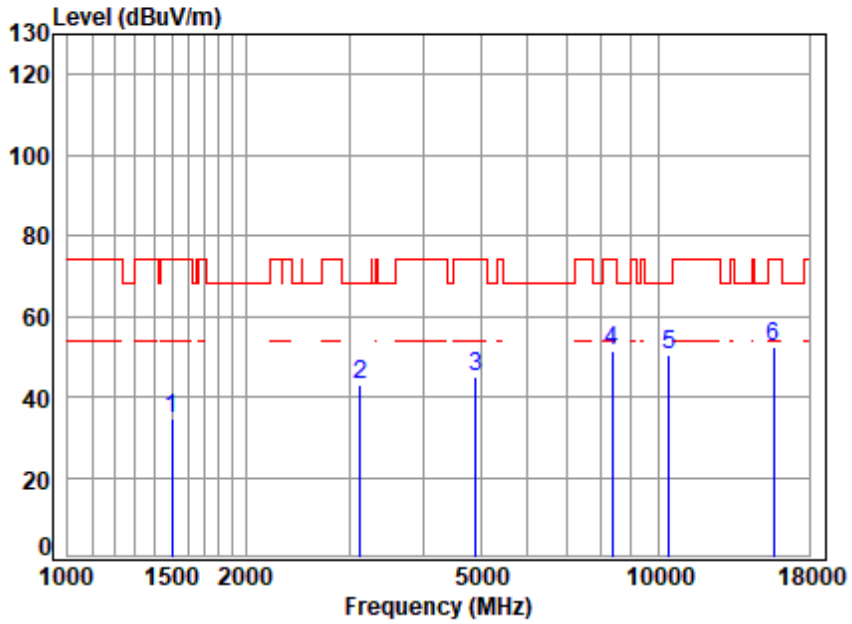


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5180 TX RSE
Note : 5G WIFI 11N20

	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	1249.269	3.26	24.27	52.69	60.42	35.26	68.20	-32.94	Peak
2	2252.846	4.95	26.84	53.10	63.49	42.18	74.00	-31.82	Peak
3	3214.623	6.29	28.64	53.03	64.22	46.12	68.20	-22.08	Peak
4	5730.396	7.97	32.51	52.88	61.21	48.81	68.20	-19.39	Peak
5	10360.000	11.08	38.85	53.35	54.55	51.13	68.20	-17.07	peak
6	15540.000	13.49	39.74	53.43	53.13	52.93	74.00	-21.07	peak

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

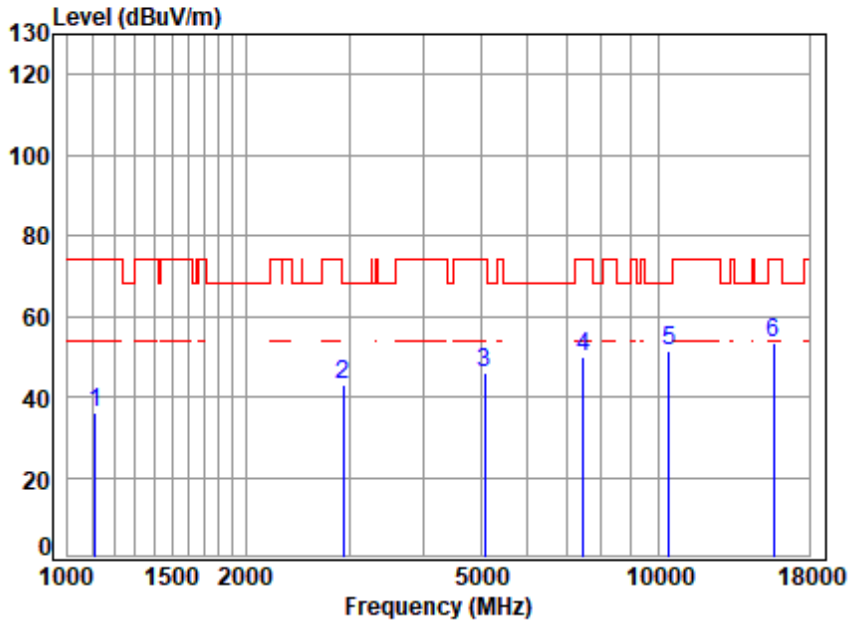


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5220 TX RSE
Note : 5G WIFI 11N20

	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	1498.781	3.77	24.51	52.85	59.20	34.63	74.00	-39.37	Peak
2	3132.079	6.07	28.63	53.06	61.57	43.21	68.20	-24.99	Peak
3	4916.490	8.17	31.21	53.08	58.79	45.09	74.00	-28.91	Peak
4	8368.069	9.61	36.16	53.83	59.57	51.51	74.00	-22.49	Peak
5	10440.000	11.07	38.94	53.38	53.99	50.62	68.20	-17.58	peak
6	15660.000	13.50	39.33	53.37	52.79	52.25	74.00	-21.75	peak

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

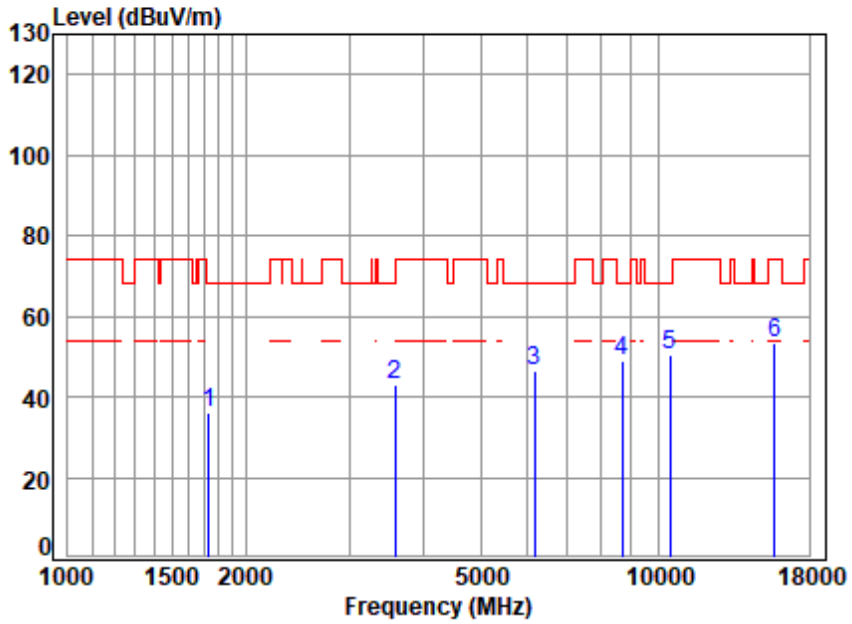


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5220 TX RSE
Note : 5G WIFI 11N20

	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	1112.872	2.94	24.22	52.59	61.30	35.87	74.00	-38.13	Peak
2	2930.633	5.64	28.45	53.10	61.89	42.88	68.20	-25.32	Peak
3	5090.007	8.29	31.62	53.07	59.24	46.08	74.00	-27.92	Peak
4	7454.429	8.41	36.35	53.55	58.54	49.75	74.00	-24.25	Peak
5	10440.000	11.07	38.94	53.38	54.89	51.52	68.20	-16.68	peak
6	15660.000	13.50	39.33	53.37	53.71	53.17	74.00	-20.83	peak

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

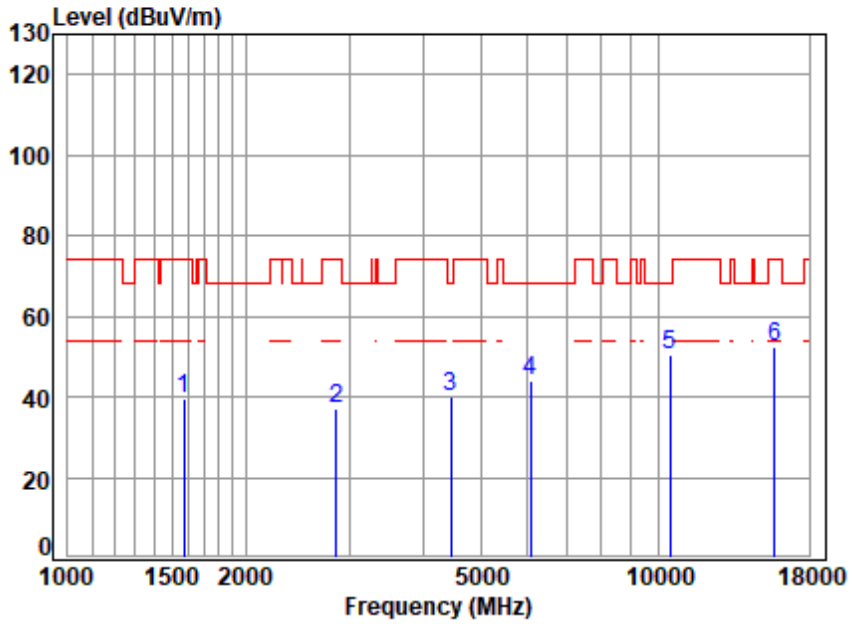


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5240 TX RSE
Note : 5G WIFI 11N20

	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	1731.816	4.26	25.07	52.98	59.88	36.23	68.20	-31.97	Peak
2	3587.818	7.08	28.85	52.91	60.04	43.06	68.20	-25.14	Peak
3	6177.627	7.66	33.20	52.93	58.49	46.42	68.20	-21.78	Peak
4	8688.480	10.08	36.13	54.02	56.55	48.74	68.20	-19.46	Peak
5	10480.000	11.06	38.99	53.40	53.78	50.43	68.20	-17.77	peak
6	15720.000	13.50	39.13	53.34	53.86	53.15	74.00	-20.85	peak

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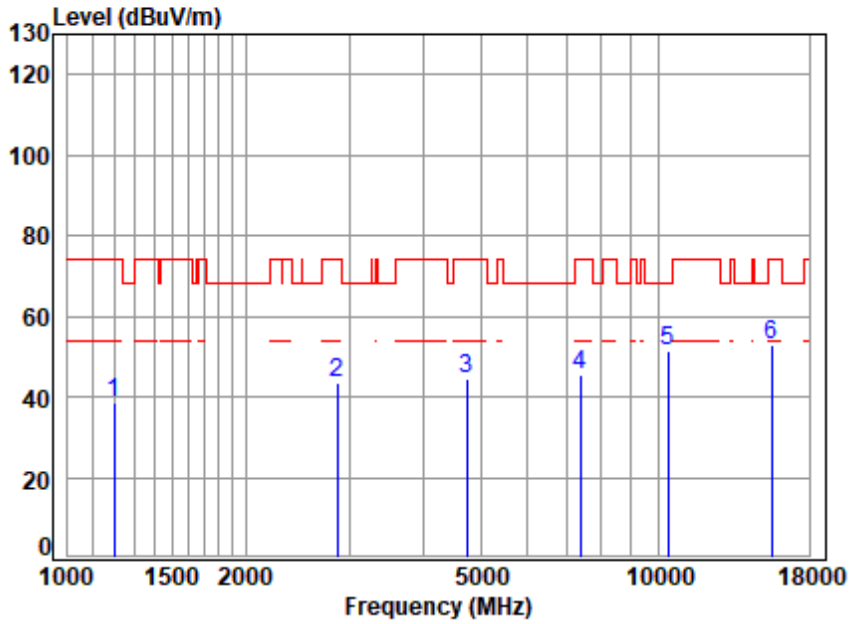


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5240 TX RSE
Note : 5G WIFI 11N20

	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	1574.265	3.93	24.73	52.89	63.89	39.66	74.00	-34.34	Peak
2	2847.139	5.55	28.26	53.10	56.47	37.18	74.00	-36.82	Peak
3	4456.315	7.47	30.14	52.95	55.49	40.15	68.20	-28.05	Peak
4	6071.417	7.65	32.73	52.85	56.61	44.14	68.20	-24.06	Peak
5	10480.000	11.06	38.99	53.40	53.90	50.55	68.20	-17.65	peak
6	15720.000	13.50	39.13	53.34	53.01	52.30	74.00	-21.70	peak

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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

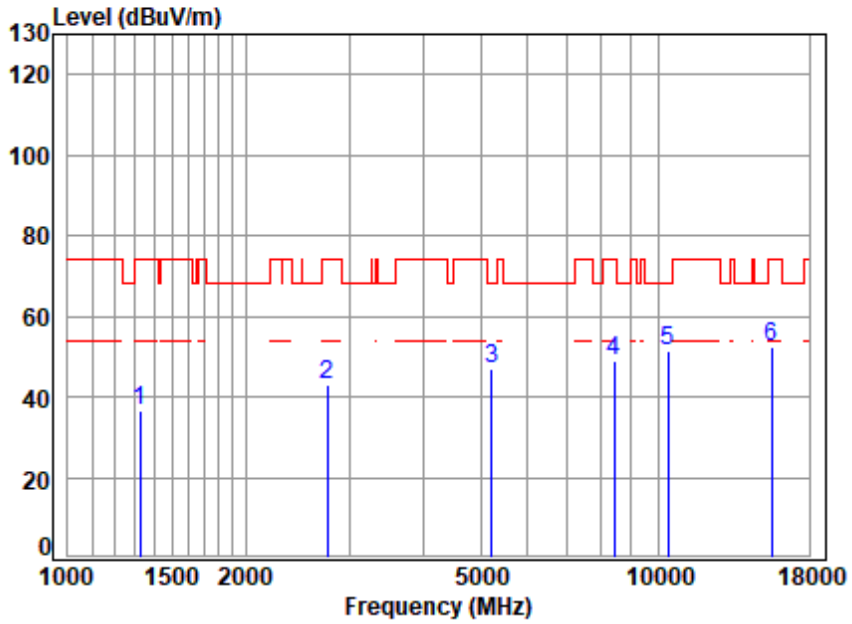


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5190 TX RSE
Note : 5G WIFI 11N40

	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	1196.264	3.14	24.30	52.66	63.81	38.59	74.00	-35.41	Peak
2	2863.645	5.57	28.29	53.10	62.62	43.38	74.00	-30.62	Peak
3	4735.181	7.87	30.78	53.03	58.75	44.37	74.00	-29.63	Peak
4	7390.070	8.38	36.27	53.54	54.59	45.70	74.00	-28.30	Peak
5	10380.000	11.07	38.87	53.36	55.01	51.59	68.20	-16.61	peak
6	15570.000	13.49	39.64	53.41	53.00	52.72	74.00	-21.28	peak

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Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

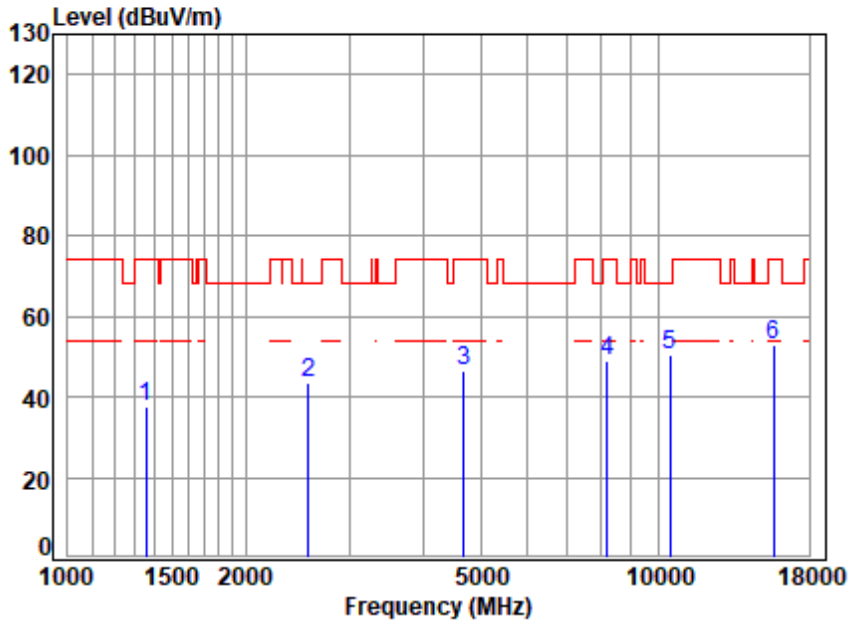


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5190 TX RSE
Note : 5G WIFI 11N40

	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	1327.446	3.43	24.23	52.75	61.46	36.37	74.00	-37.63	Peak
2	2750.080	5.44	28.03	53.10	62.40	42.77	74.00	-31.23	Peak
3	5224.153	8.29	31.95	53.03	59.65	46.86	68.20	-21.34	Peak
4	8416.584	9.63	36.16	53.86	56.85	48.78	74.00	-25.22	Peak
5	10380.000	11.07	38.87	53.36	54.97	51.55	68.20	-16.65	peak
6	15570.000	13.49	39.64	53.41	52.70	52.42	74.00	-21.58	peak

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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High

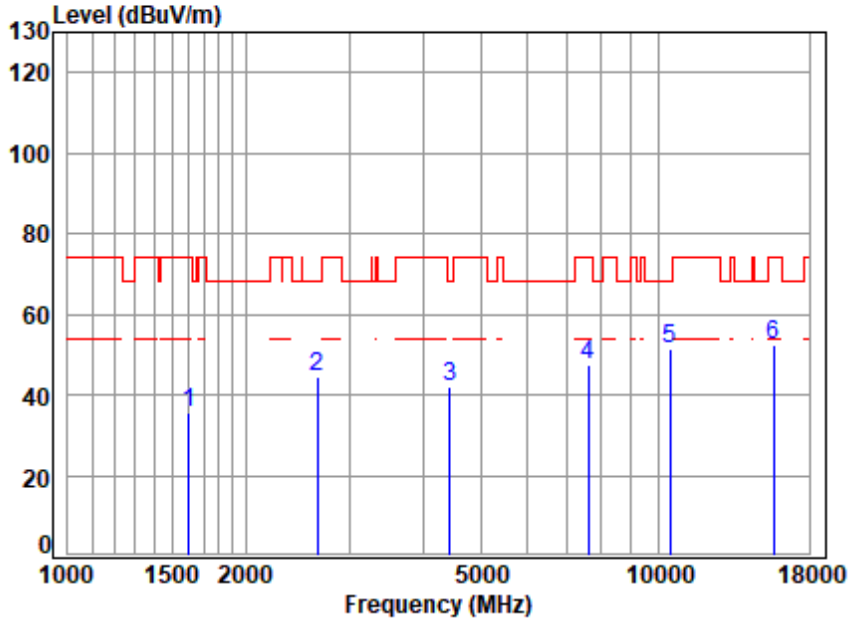


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5230 TX RSE
Note : 5G WIFI 11N40

	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	1354.577	3.49	24.22	52.76	62.51	37.46	74.00	-36.54	Peak
2	2558.371	5.20	27.55	53.10	63.74	43.39	68.20	-24.81	Peak
3	4680.751	7.78	30.65	53.01	60.84	46.26	74.00	-27.74	Peak
4	8200.463	9.53	36.18	53.73	57.18	49.16	74.00	-24.84	Peak
5	10460.000	11.06	38.97	53.39	53.90	50.54	68.20	-17.66	peak
6	15690.000	13.50	39.23	53.35	53.56	52.94	74.00	-21.06	peak

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Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High

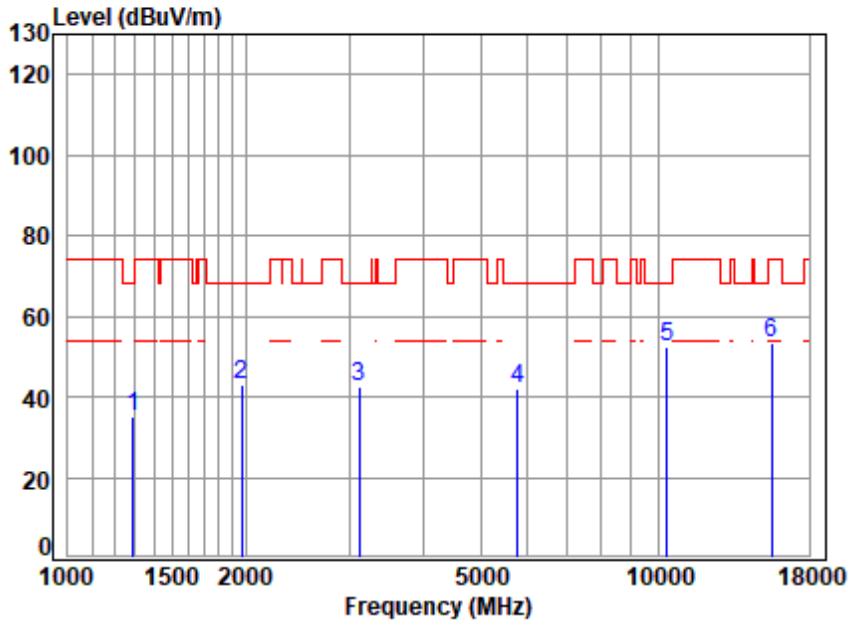


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5230 TX RSE
Note : 5G WIFI 11N40

	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	1601.804	3.99	24.80	52.91	59.72	35.60	74.00	-38.40	Peak
2	2648.664	5.32	27.78	53.10	64.46	44.46	68.20	-23.74	Peak
3	4430.628	7.47	30.11	52.94	57.51	42.15	68.20	-26.05	Peak
4	7606.788	8.65	36.36	53.56	56.11	47.56	74.00	-26.44	Peak
5	10460.000	11.06	38.97	53.39	54.89	51.53	68.20	-16.67	peak
6	15690.000	13.50	39.23	53.35	52.97	52.35	74.00	-21.65	peak

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

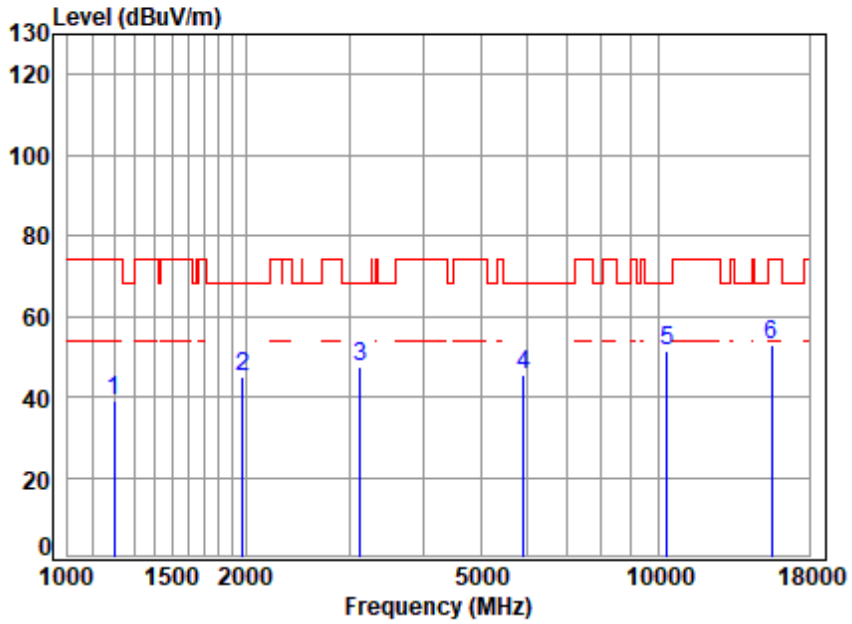


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5180 TX RSE
Note : 5G WIFI 11AC20

	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	1289.627	3.35	24.25	52.72	60.27	35.15	68.20	-33.05	Peak
2	1966.680	4.69	26.04	53.09	65.40	43.04	68.20	-25.16	Peak
3	3114.025	6.03	28.62	53.06	60.90	42.49	68.20	-25.71	Peak
4	5780.300	7.91	32.49	52.86	54.55	42.09	68.20	-26.11	Peak
5	10360.000	11.08	38.85	53.35	55.68	52.26	68.20	-15.94	peak
6	15540.000	13.49	39.74	53.43	53.46	53.26	74.00	-20.74	peak

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

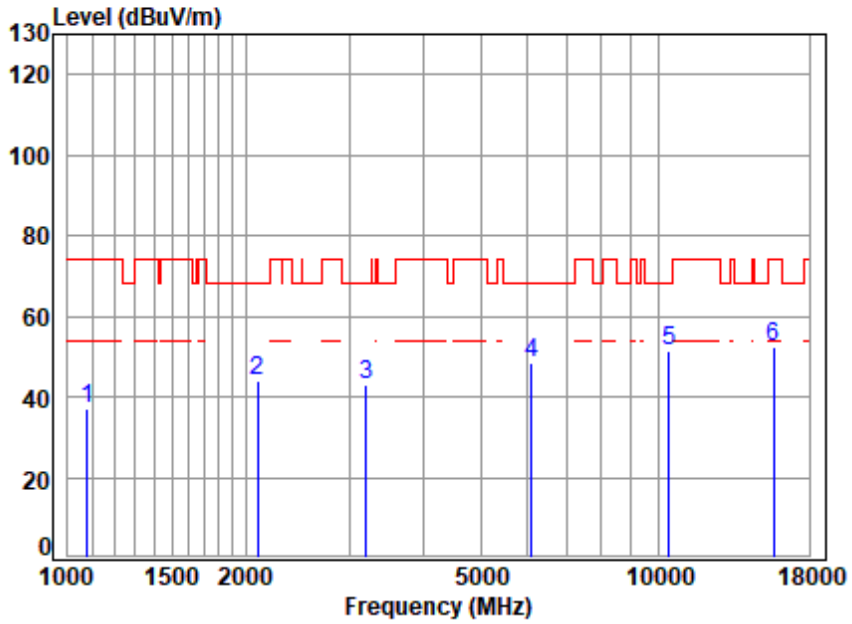


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5180 TX RSE
Note : 5G WIFI 11AC20

	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	1199.726	3.15	24.30	52.66	64.24	39.03	74.00	-34.97	Peak
2	1978.082	4.71	26.10	53.09	67.23	44.95	68.20	-23.25	Peak
3	3132.079	6.07	28.63	53.06	65.80	47.44	68.20	-20.76	Peak
4	5915.516	7.74	32.43	52.82	57.95	45.30	68.20	-22.90	Peak
5	10360.000	11.08	38.85	53.35	54.79	51.37	68.20	-16.83	peak
6	15540.000	13.49	39.74	53.43	53.30	53.10	74.00	-20.90	peak

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

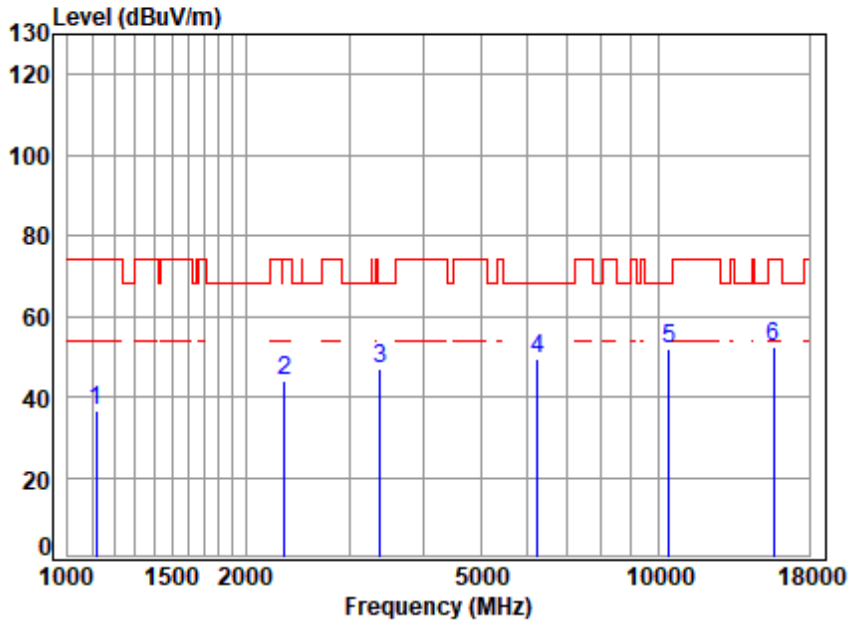


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5220 TX RSE
Note : 5G WIFI 11AC20

	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	1081.166	2.86	24.19	52.57	62.56	37.04	74.00	-36.96	Peak
2	2095.800	4.83	26.45	53.10	65.90	44.08	68.20	-24.12	Peak
3	3196.094	6.24	28.64	53.03	61.02	42.87	68.20	-25.33	Peak
4	6088.991	7.65	32.80	52.87	60.81	48.39	68.20	-19.81	Peak
5	10440.000	11.07	38.94	53.38	54.90	51.53	68.20	-16.67	peak
6	15660.000	13.50	39.33	53.37	53.10	52.56	74.00	-21.44	peak

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

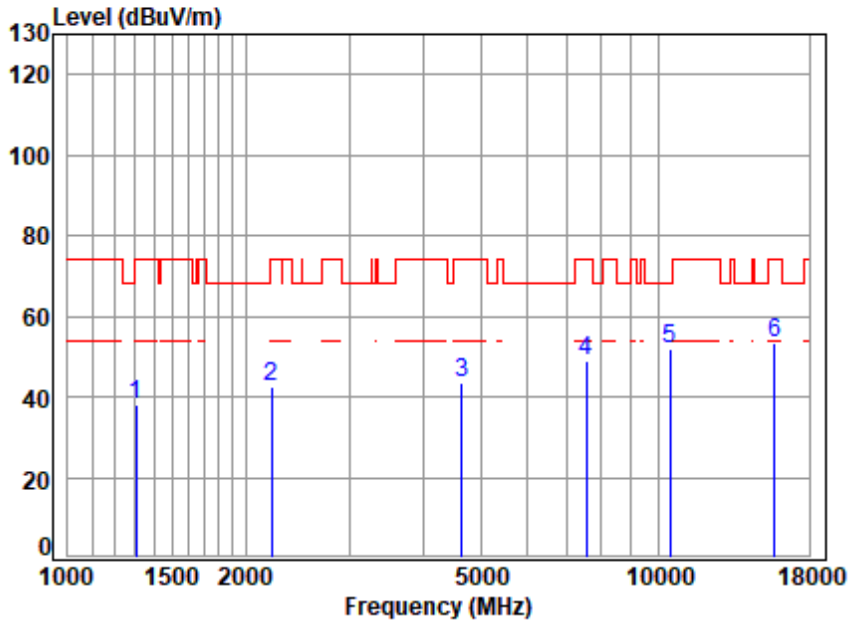


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5220 TX RSE
Note : 5G WIFI 11AC20

	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	1119.323	2.95	24.22	52.60	62.22	36.79	74.00	-37.21	Peak
2	2325.624	5.01	27.01	53.10	65.28	44.20	74.00	-29.80	Peak
3	3386.297	6.72	28.68	52.97	64.53	46.96	68.20	-21.24	Peak
4	6249.464	7.67	33.52	52.98	61.18	49.39	68.20	-18.81	Peak
5	10440.000	11.07	38.94	53.38	55.50	52.13	68.20	-16.07	peak
6	15660.000	13.50	39.33	53.37	52.90	52.36	74.00	-21.64	peak

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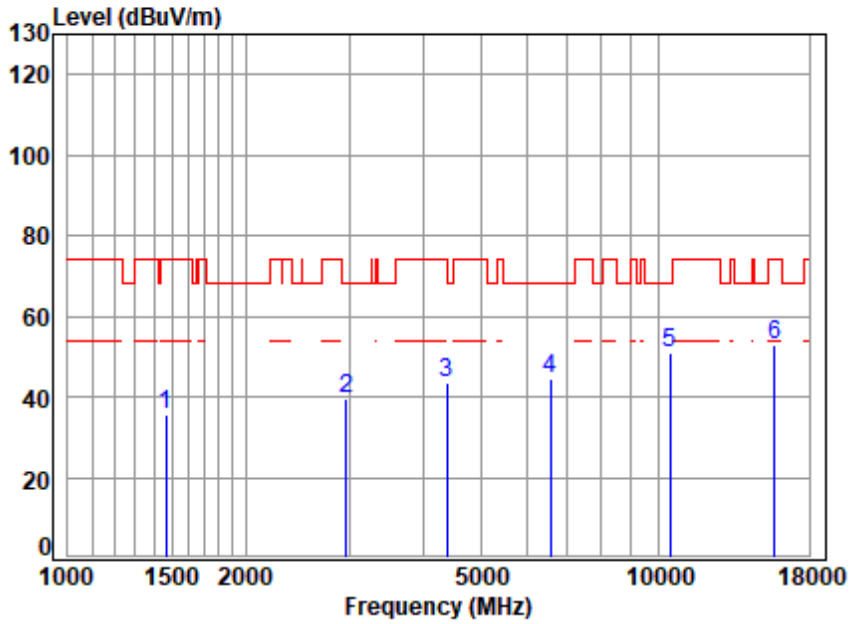


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5240 TX RSE
Note : 5G WIFI 11AC20

	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	1304.623	3.38	24.25	52.73	63.12	38.02	74.00	-35.98	Peak
2	2214.114	4.92	26.75	53.10	63.92	42.49	74.00	-31.51	Peak
3	4653.771	7.73	30.58	53.00	58.30	43.61	74.00	-30.39	Peak
4	7562.942	8.56	36.37	53.56	57.39	48.76	74.00	-25.24	Peak
5	10480.000	11.06	38.99	53.40	55.21	51.86	68.20	-16.34	peak
6	15720.000	13.50	39.13	53.34	54.11	53.40	74.00	-20.60	peak

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

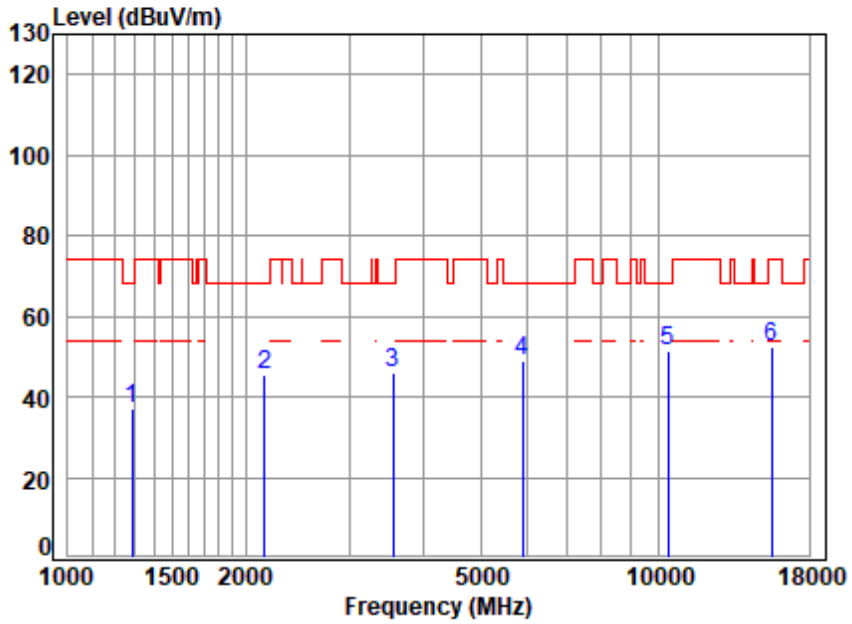


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5240 TX RSE
Note : 5G WIFI 11AC20

	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	1468.761	3.71	24.42	52.83	60.51	35.81	74.00	-38.19	Peak
2	2964.712	5.68	28.52	53.10	58.21	39.31	68.20	-28.89	Peak
3	4392.376	7.47	30.06	52.93	58.98	43.58	74.00	-30.42	Peak
4	6564.209	7.76	34.76	53.21	55.26	44.57	68.20	-23.63	Peak
5	10480.000	11.06	38.99	53.40	54.31	50.96	68.20	-17.24	peak
6	15720.000	13.50	39.13	53.34	53.61	52.90	74.00	-21.10	peak

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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

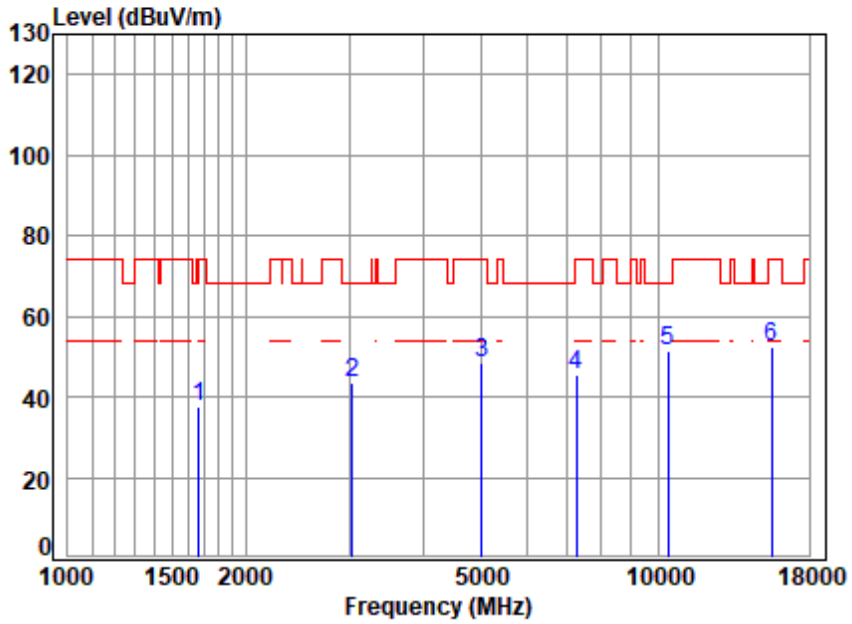


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5190 TX RSE
Note : 5G WIFI 11AC40

	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	1285.904	3.34	24.26	52.72	62.15	37.03	68.20	-31.17	Peak
2	2157.260	4.88	26.61	53.10	66.90	45.29	68.20	-22.91	Peak
3	3556.843	7.05	28.80	52.92	62.88	45.81	68.20	-22.39	Peak
4	5898.442	7.76	32.44	52.83	61.73	49.10	68.20	-19.10	Peak
5	10380.000	11.07	38.87	53.36	54.81	51.39	68.20	-16.81	peak
6	15570.000	13.49	39.64	53.41	52.60	52.32	74.00	-21.68	peak

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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

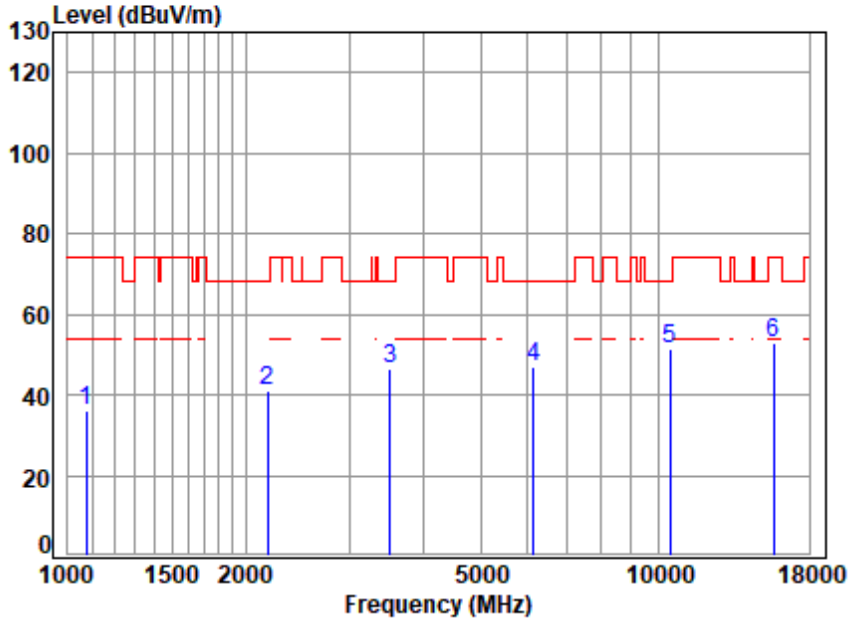


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5190 TX RSE
Note : 5G WIFI 11AC40

	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	1667.951	4.13	24.94	52.94	61.48	37.61	74.00	-36.39	Peak
2	3034.063	5.81	28.61	53.09	62.14	43.47	68.20	-24.73	Peak
3	5031.499	8.30	31.48	53.09	61.67	48.36	74.00	-25.64	Peak
4	7263.015	8.32	36.12	53.53	54.71	45.62	74.00	-28.38	Peak
5	10380.000	11.07	38.87	53.36	54.60	51.18	68.20	-17.02	peak
6	15570.000	13.49	39.64	53.41	52.50	52.22	74.00	-21.78	peak

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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

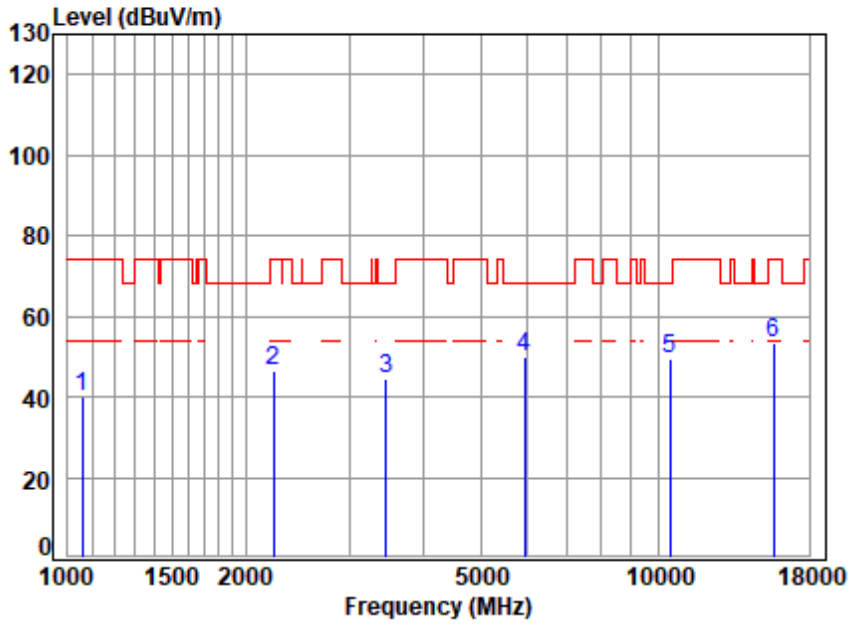


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5230 TX RSE
Note : 5G WIFI 11AC40

	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	1074.934	2.84	24.18	52.56	61.66	36.12	74.00	-37.88	Peak
2	2176.047	4.89	26.65	53.10	62.62	41.06	68.20	-27.14	Peak
3	3515.957	7.01	28.73	52.93	63.67	46.48	68.20	-21.72	Peak
4	6142.019	7.66	33.04	52.91	59.02	46.81	68.20	-21.39	Peak
5	10460.000	11.06	38.97	53.39	54.90	51.54	68.20	-16.66	peak
6	15690.000	13.50	39.23	53.35	53.60	52.98	74.00	-21.02	peak

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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

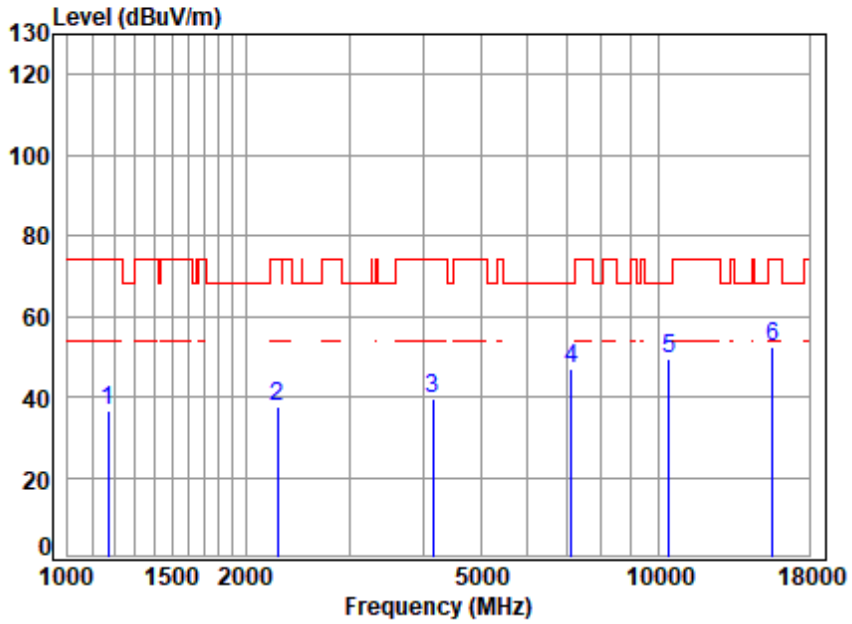


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5230 TX RSE
Note : 5G WIFI 11AC40

	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	1059.511	2.80	24.16	52.55	65.64	40.05	74.00	-33.95	Peak
2	2226.950	4.93	26.78	53.10	67.76	46.37	74.00	-27.63	Peak
3	3455.508	6.88	28.69	52.95	61.66	44.28	68.20	-23.92	Peak
4	5932.638	7.72	32.43	52.82	62.64	49.97	68.20	-18.23	Peak
5	10460.000	11.06	38.97	53.39	52.60	49.24	68.20	-18.96	peak
6	15690.000	13.50	39.23	53.35	53.90	53.28	74.00	-20.72	peak

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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle

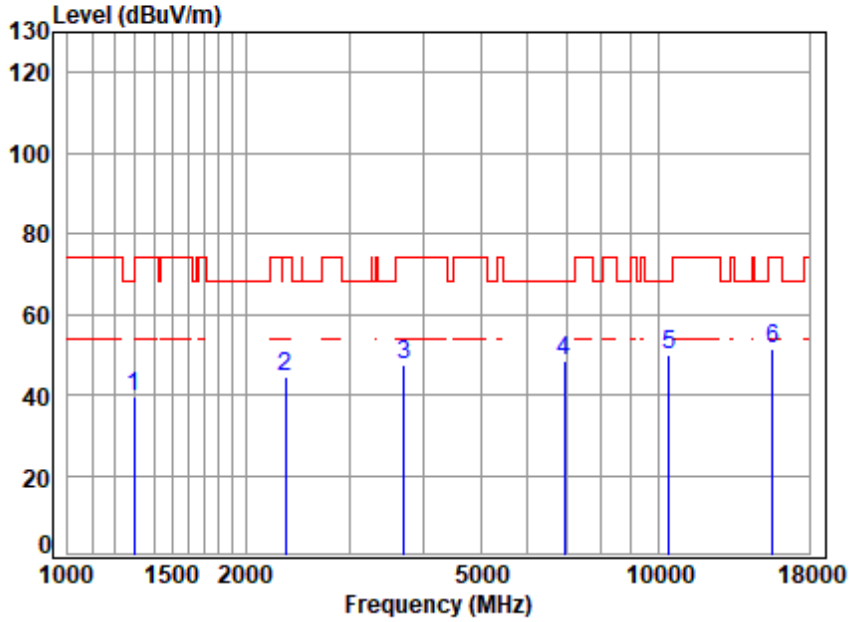


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5210 TX RSE
Note : 5G WIFI 11AC80

	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	1172.303	3.08	24.27	52.64	61.81	36.52	74.00	-37.48	Peak
2	2265.907	4.96	26.87	53.10	58.75	37.48	74.00	-36.52	Peak
3	4145.664	7.48	29.71	52.85	55.07	39.41	74.00	-34.59	Peak
4	7138.144	8.26	35.97	53.51	56.34	47.06	68.20	-21.14	Peak
5	10420.000	11.07	38.92	53.37	52.99	49.61	68.20	-18.59	peak
6	15630.000	13.50	39.43	53.38	53.00	52.55	74.00	-21.45	peak

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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle

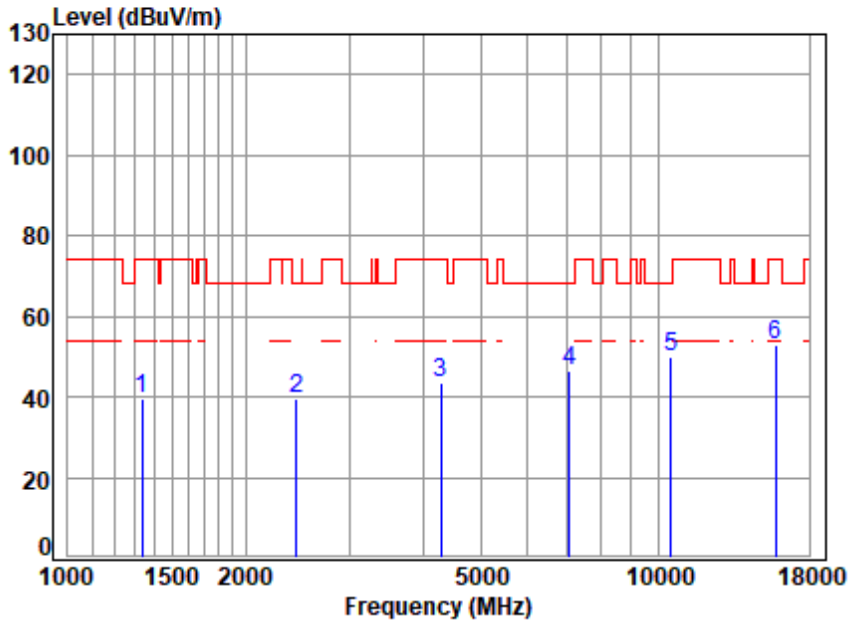


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5210 TX RSE
Note : 5G WIFI 11AC80

	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	3.36	24.25	52.73	64.65	39.53	68.20	-28.67	Peak
2	2339.107	5.02	27.04	53.10	65.54	44.50	74.00	-29.50	Peak
3	3703.723	7.20	29.04	52.88	64.02	47.38	74.00	-26.62	Peak
4	6934.778	8.13	35.65	53.46	58.36	48.68	68.20	-19.52	Peak
5	10420.000	11.07	38.92	53.37	53.39	50.01	68.20	-18.19	peak
6	15630.000	13.50	39.43	53.38	51.90	51.45	74.00	-22.55	peak

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

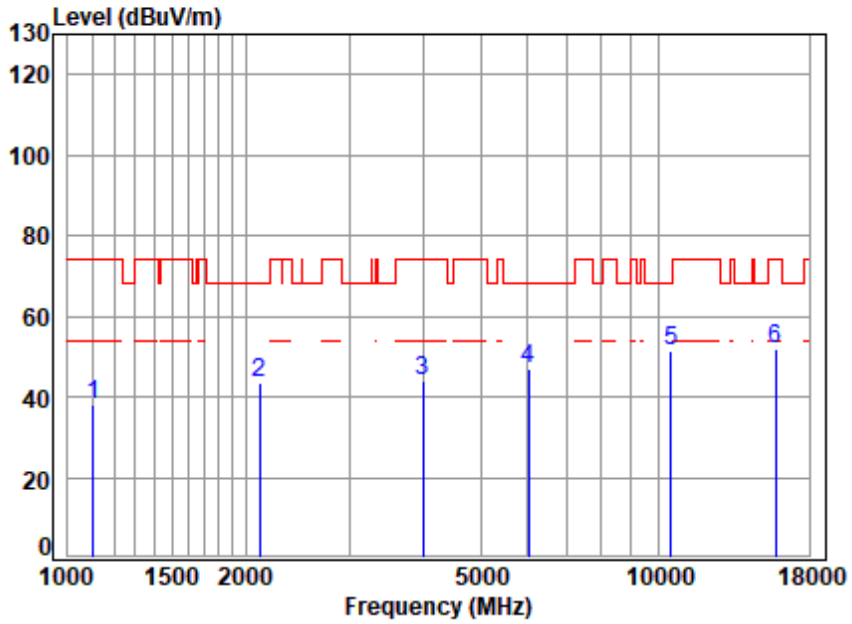


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5260 TX RSE
Note : 5G WIFI 11A

	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	1335.141	3.45	24.23	52.75	64.52	39.45	74.00	-34.55	Peak
2	2442.751	5.09	27.28	53.10	60.49	39.76	68.20	-28.44	Peak
3	4279.589	7.48	29.90	52.89	58.97	43.46	74.00	-30.54	Peak
4	7076.516	8.23	35.89	53.51	55.69	46.30	68.20	-21.90	Peak
5	10520.000	11.07	39.04	53.41	53.47	50.17	68.20	-18.03	peak
6	15780.000	13.51	38.93	53.31	54.00	53.13	74.00	-20.87	peak

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Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

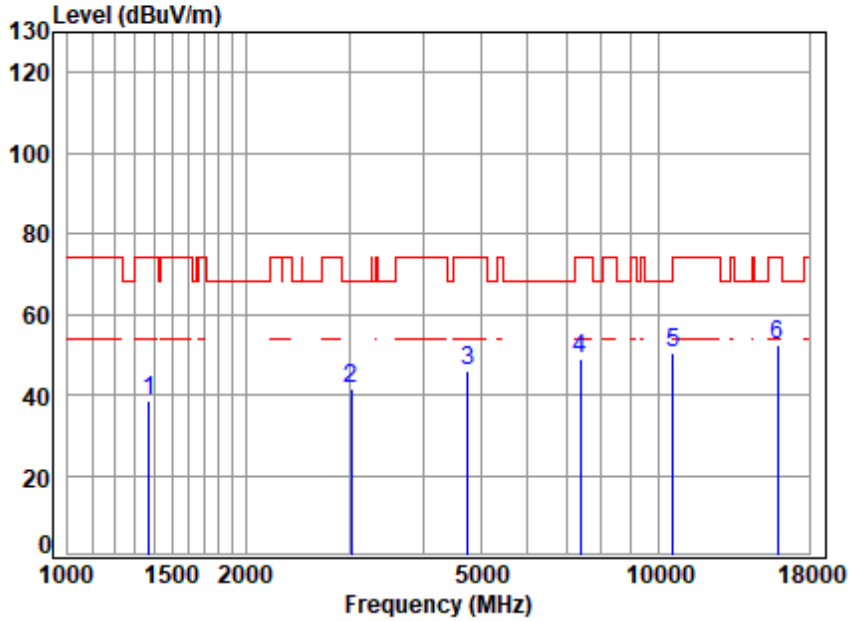


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5260 TX RSE
Note : 5G WIFI 11A

	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	1103.264	2.91	24.21	52.59	63.40	37.93	74.00	-36.07	Peak
2	2114.052	4.84	26.50	53.10	65.08	43.32	68.20	-24.88	Peak
3	3992.781	7.48	29.49	52.80	59.76	43.93	74.00	-30.07	Peak
4	6036.421	7.64	32.57	52.83	59.76	47.14	68.20	-21.06	Peak
5	10520.000	11.07	39.04	53.41	54.74	51.44	68.20	-16.76	peak
6	15780.000	13.51	38.93	53.31	52.80	51.93	74.00	-22.07	peak

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Member of the SGS Group (SGS SA)

Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle

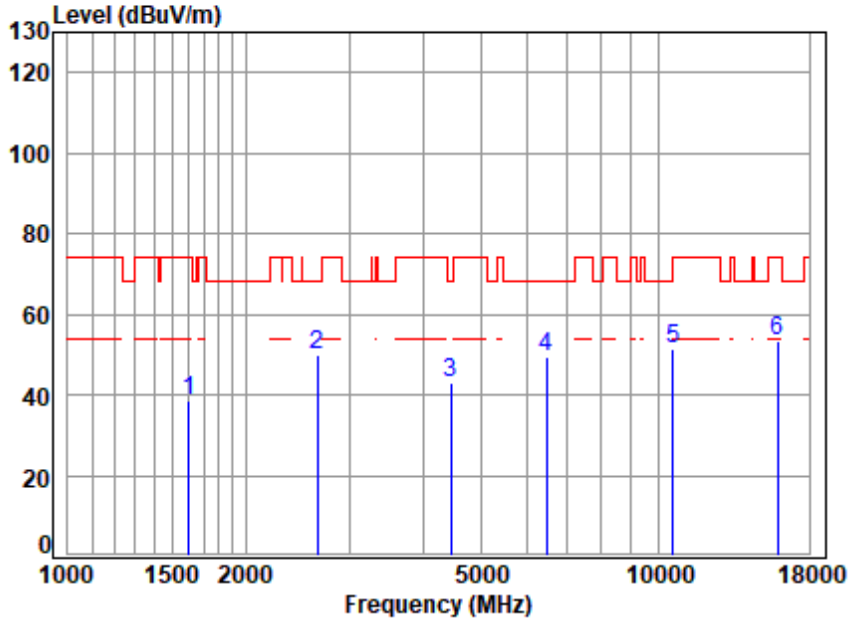


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5300 TX RSE
Note : 5G WIFI 11A

	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	1374.295	3.53	24.21	52.78	63.65	38.61	74.00	-35.39	Peak
2	3025.306	5.79	28.61	53.09	60.23	41.54	68.20	-26.66	Peak
3	4748.888	7.89	30.81	53.03	60.07	45.74	74.00	-28.26	Peak
4	7390.070	8.38	36.27	53.54	57.94	49.05	74.00	-24.95	Peak
5	10600.000	11.12	39.13	53.44	53.76	50.57	68.20	-17.63	peak
6	15900.000	13.51	38.53	53.25	53.59	52.38	74.00	-21.62	peak

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Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle

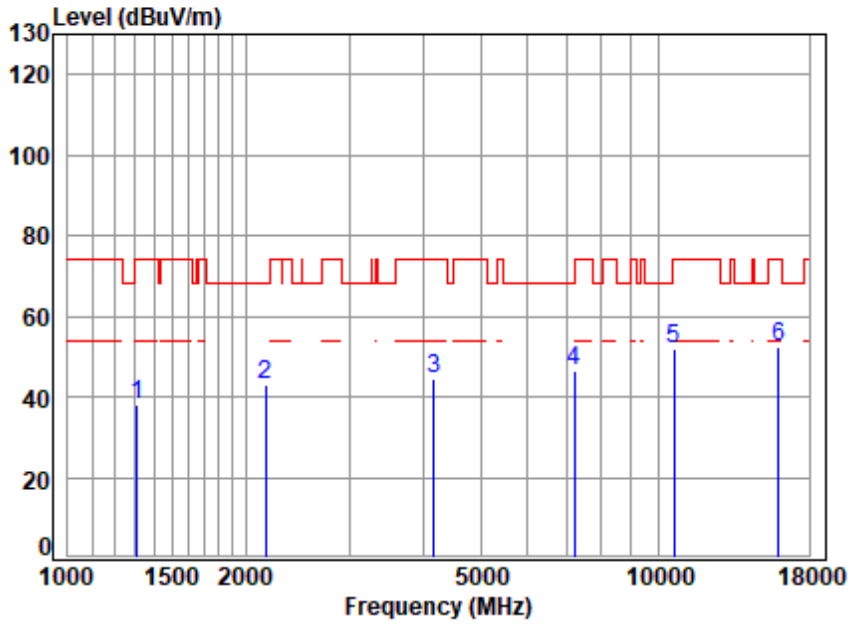


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5300 TX RSE
Note : 5G WIFI 11A

	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	1601.804	3.99	24.80	52.91	62.59	38.47	74.00	-35.53	Peak
2	2648.664	5.32	27.78	53.10	69.79	49.79	68.20	-18.41	Peak
3	4456.315	7.47	30.14	52.95	58.17	42.83	68.20	-25.37	Peak
4	6470.026	7.70	34.47	53.14	60.61	49.64	68.20	-18.56	Peak
5	10600.000	11.12	39.13	53.44	54.70	51.51	68.20	-16.69	peak
6	15900.000	13.51	38.53	53.25	54.61	53.40	74.00	-20.60	peak

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High

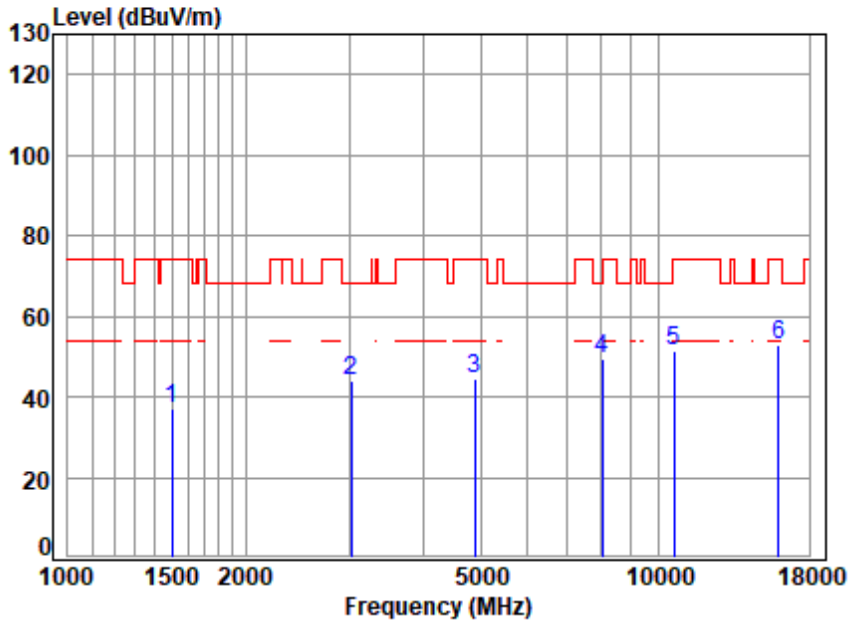


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5320 TX RSE
Note : 5G WIFI 11A

	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	1312.187	3.40	24.24	52.74	63.26	38.16	74.00	-35.84	Peak
2	2163.504	4.88	26.62	53.10	64.70	43.10	68.20	-25.10	Peak
3	4169.698	7.48	29.75	52.86	60.24	44.61	74.00	-29.39	Peak
4	7221.150	8.30	36.07	53.52	55.49	46.34	68.20	-21.86	Peak
5	10640.000	11.15	39.18	53.46	54.80	51.67	74.00	-22.33	peak
6	15960.000	13.52	38.33	53.22	53.90	52.53	74.00	-21.47	peak

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Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High

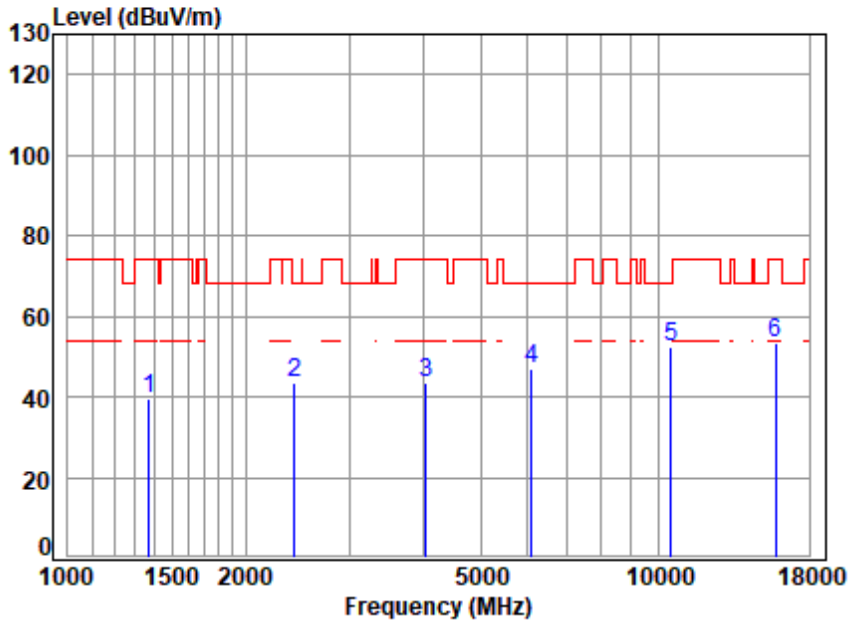


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5320 TX RSE
Note : 5G WIFI 11A

	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	1498.781	3.77	24.51	52.85	61.61	37.04	74.00	-36.96	Peak
2	3025.306	5.79	28.61	53.09	62.85	44.16	68.20	-24.04	Peak
3	4888.151	8.12	31.14	53.07	58.29	44.48	74.00	-29.52	Peak
4	8036.214	9.45	36.20	53.62	57.19	49.22	74.00	-24.78	Peak
5	10640.000	11.15	39.18	53.46	54.50	51.37	74.00	-22.63	peak
6	15960.000	13.52	38.33	53.22	54.16	52.79	74.00	-21.21	peak

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

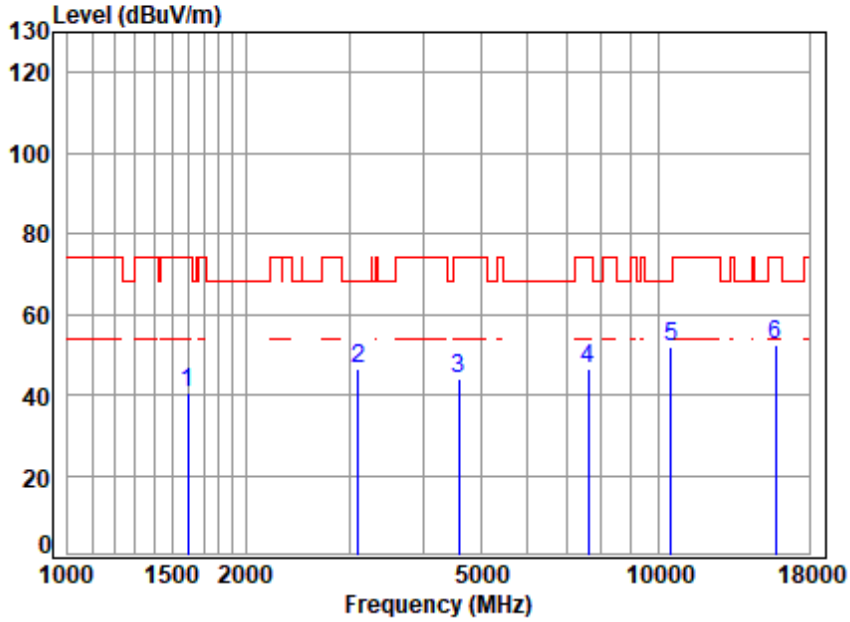


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5260 TX RSE
Note : 5G WIFI 11N20

	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	1374.295	3.53	24.21	52.78	64.80	39.76	74.00	-34.24	Peak
2	2421.661	5.08	27.23	53.10	64.52	43.73	68.20	-24.47	Peak
3	4039.212	7.49	29.56	52.81	59.17	43.41	74.00	-30.59	Peak
4	6106.616	7.65	32.88	52.88	59.26	46.91	68.20	-21.29	Peak
5	10520.000	11.07	39.04	53.41	55.49	52.19	68.20	-16.01	peak
6	15780.000	13.51	38.93	53.31	54.12	53.25	74.00	-20.75	peak

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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

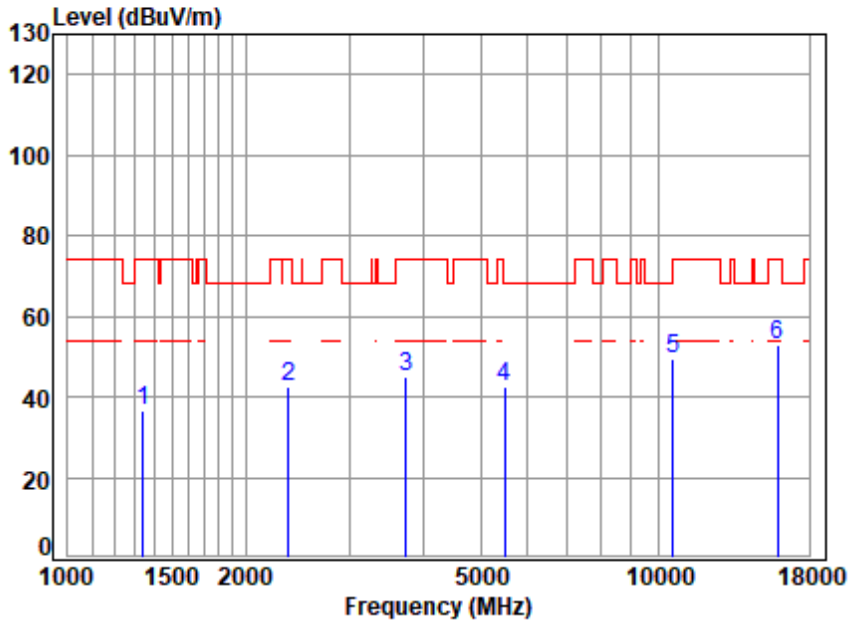


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5260 TX RSE
Note : 5G WIFI 11N20

	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	1597.181	3.98	24.79	52.91	64.63	40.49	74.00	-33.51	Peak
2	3105.037	6.00	28.62	53.06	64.78	46.34	68.20	-21.86	Peak
3	4586.999	7.62	30.42	52.98	58.82	43.88	74.00	-30.12	Peak
4	7606.788	8.65	36.36	53.56	54.94	46.39	74.00	-27.61	Peak
5	10520.000	11.07	39.04	53.41	55.02	51.72	68.20	-16.48	peak
6	15780.000	13.51	38.93	53.31	53.36	52.49	74.00	-21.51	peak

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle

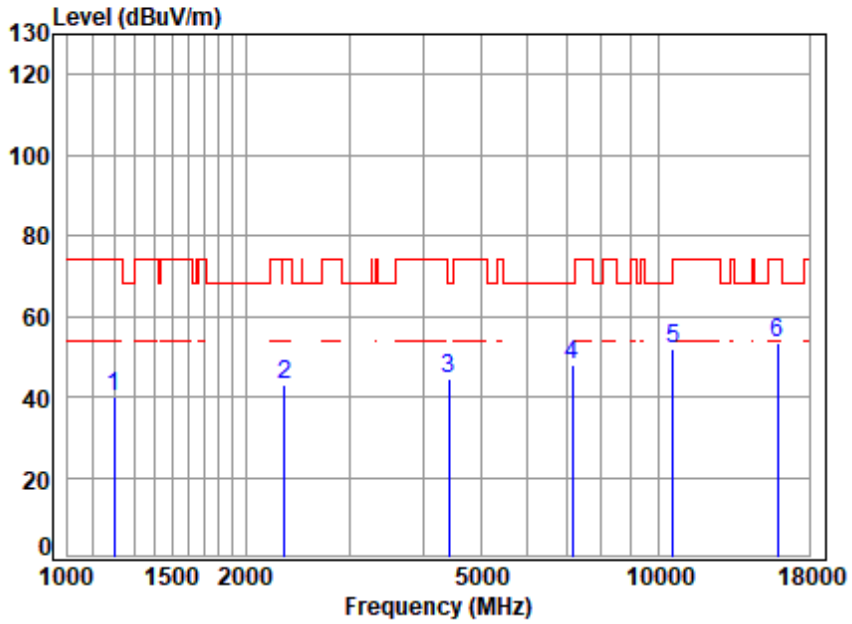


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5300 TX RSE
Note : 5G WIFI 11N20

	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	1339.006	3.45	24.23	52.75	61.62	36.55	74.00	-37.45	Peak
2	2366.308	5.04	27.10	53.10	63.26	42.30	74.00	-31.70	Peak
3	3735.978	7.23	29.09	52.87	61.62	45.07	74.00	-28.93	Peak
4	5503.143	8.27	32.60	52.94	54.74	42.67	68.20	-25.53	Peak
5	10600.000	11.12	39.13	53.44	52.69	49.50	68.20	-18.70	peak
6	15900.000	13.51	38.53	53.25	54.15	52.94	74.00	-21.06	peak

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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle

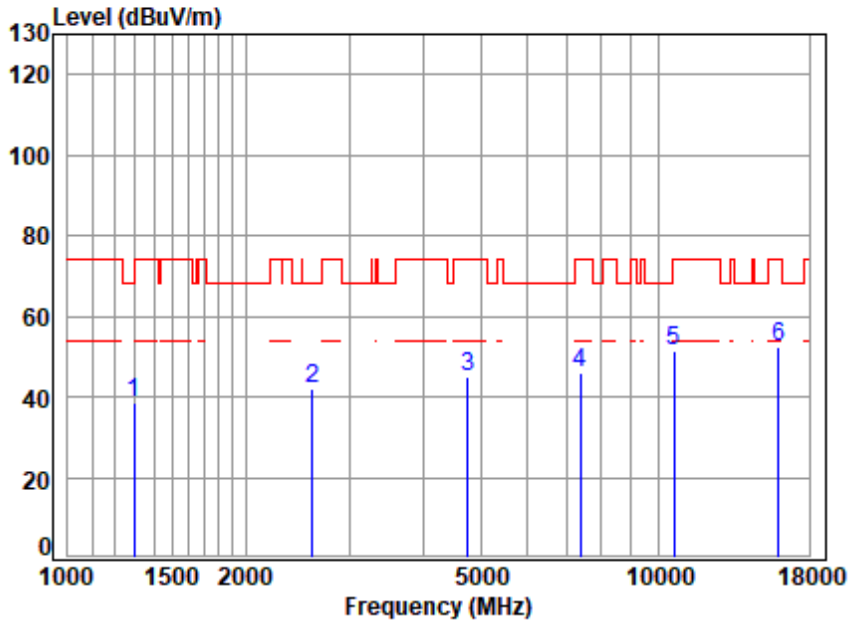


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5300 TX RSE
Note : 5G WIFI 11N20

	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	1199.726	3.15	24.30	52.66	65.40	40.19	74.00	-33.81	Peak
2	2325.624	5.01	27.01	53.10	64.31	43.23	74.00	-30.77	Peak
3	4417.841	7.47	30.09	52.93	59.78	44.41	68.20	-23.79	Peak
4	7158.806	8.27	36.00	53.52	57.32	48.07	68.20	-20.13	Peak
5	10600.000	11.12	39.13	53.44	55.13	51.94	68.20	-16.26	peak
6	15900.000	13.51	38.53	53.25	54.37	53.16	74.00	-20.84	peak

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High

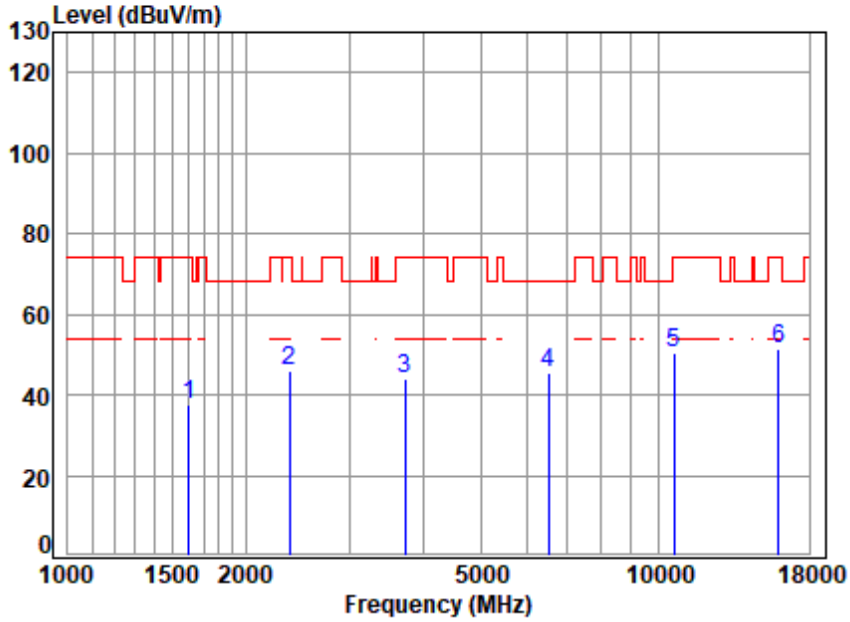


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5320 TX RSE
Note : 5G WIFI 11N20

	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	1297.103	3.36	24.25	52.73	63.70	38.58	68.20	-29.62	Peak
2	2595.613	5.25	27.65	53.10	62.40	42.20	68.20	-26.00	Peak
3	4748.888	7.89	30.81	53.03	59.36	45.03	74.00	-28.97	Peak
4	7390.070	8.38	36.27	53.54	54.93	46.04	74.00	-27.96	Peak
5	10640.000	11.15	39.18	53.46	54.45	51.32	74.00	-22.68	peak
6	15960.000	13.52	38.33	53.22	53.80	52.43	74.00	-21.57	peak

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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High

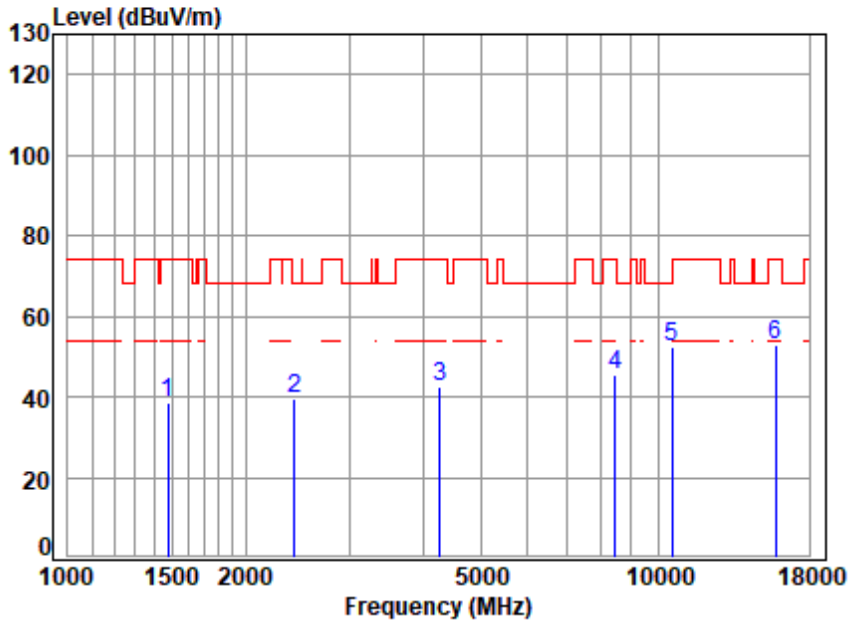


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5320 TX RSE
Note : 5G WIFI 11N20

	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	1601.804	3.99	24.80	52.91	61.90	37.78	74.00	-36.22	Peak
2	2373.157	5.04	27.12	53.10	67.12	46.18	74.00	-27.82	Peak
3	3725.195	7.22	29.07	52.87	60.53	43.95	74.00	-30.05	Peak
4	6507.536	7.71	34.62	53.17	56.39	45.55	68.20	-22.65	Peak
5	10640.000	11.15	39.18	53.46	53.39	50.26	74.00	-23.74	peak
6	15960.000	13.52	38.33	53.22	53.02	51.65	74.00	-22.35	peak

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

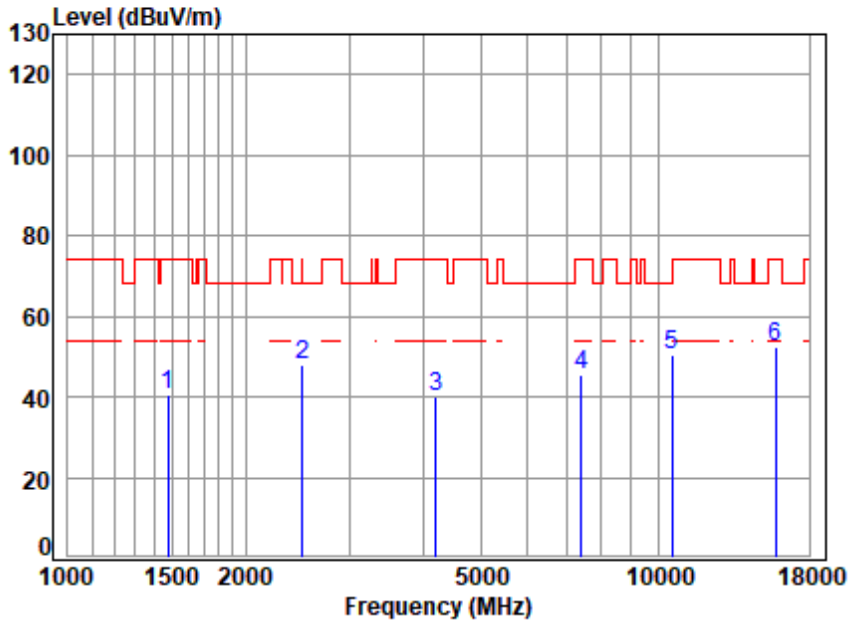


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5270 TX RSE
Note : 5G WIFI 11N40

	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	1477.276	3.73	24.44	52.84	63.21	38.54	74.00	-35.46	Peak
2	2421.661	5.08	27.23	53.10	60.28	39.49	68.20	-28.71	Peak
3	4267.237	7.48	29.88	52.89	58.04	42.51	74.00	-31.49	Peak
4	8465.379	9.65	36.15	53.89	53.34	45.25	74.00	-28.75	Peak
5	10540.000	11.08	39.06	53.42	55.46	52.18	68.20	-16.02	peak
6	15810.000	13.51	38.83	53.29	53.98	53.03	74.00	-20.97	peak

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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

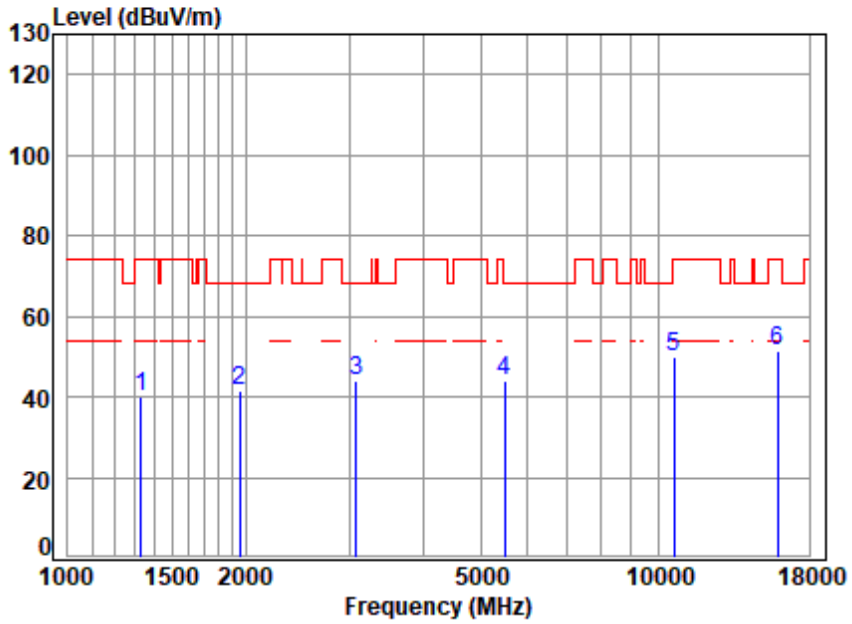


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5270 TX RSE
Note : 5G WIFI 11N40

	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	1477.276	3.73	24.44	52.84	65.26	40.59	74.00	-33.41	Peak
2	2499.893	5.13	27.40	53.10	68.29	47.72	74.00	-26.28	Peak
3	4193.872	7.48	29.78	52.86	55.79	40.19	74.00	-33.81	Peak
4	7411.461	8.39	36.30	53.54	54.33	45.48	74.00	-28.52	Peak
5	10540.000	11.08	39.06	53.42	53.65	50.37	68.20	-17.83	peak
6	15810.000	13.51	38.83	53.29	53.25	52.30	74.00	-21.70	peak

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High

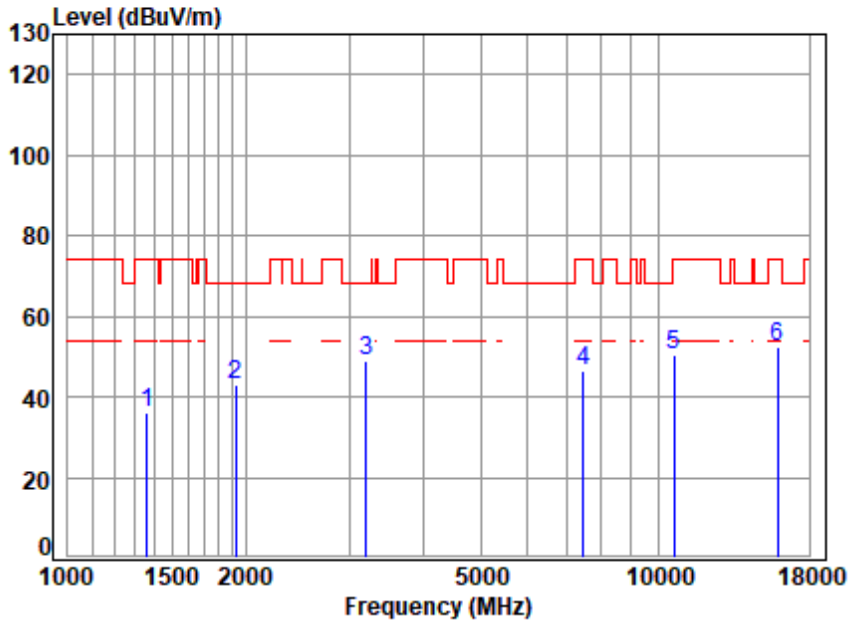


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5310 TX RSE
Note : 5G WIFI 11N40

	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	1331.288	3.44	24.23	52.75	64.92	39.84	74.00	-34.16	Peak
2	1955.344	4.67	25.99	53.08	63.70	41.28	68.20	-26.92	Peak
3	3078.229	5.93	28.62	53.07	62.72	44.20	68.20	-24.00	Peak
4	5503.143	8.27	32.60	52.94	55.88	43.81	68.20	-24.39	Peak
5	10620.000	11.13	39.16	53.45	53.14	49.98	74.00	-24.02	peak
6	15930.000	13.52	38.43	53.23	52.84	51.56	74.00	-22.44	peak

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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High

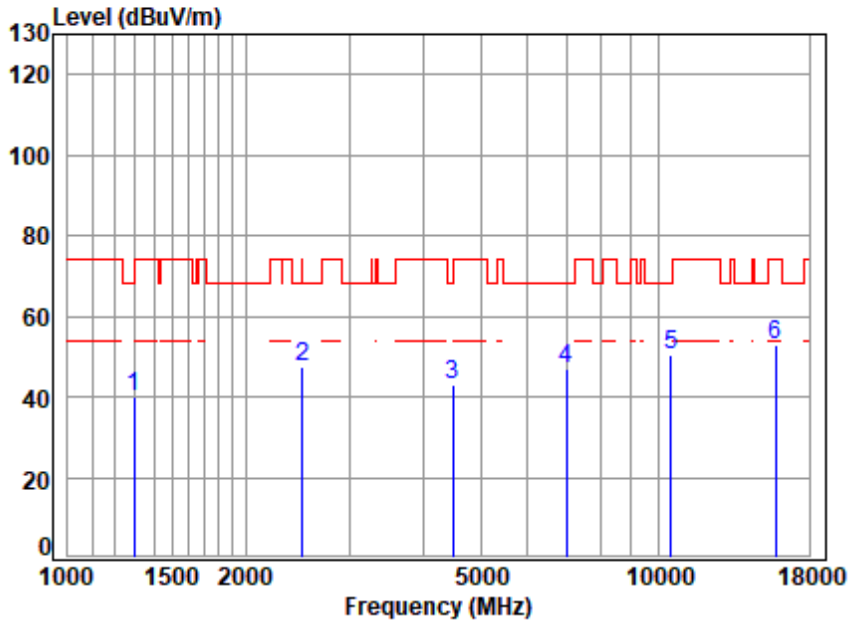


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5310 TX RSE
Note : 5G WIFI 11N40

	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	1362.430	3.50	24.22	52.77	61.03	35.98	74.00	-38.02	Peak
2	1921.727	4.61	25.82	53.07	65.45	42.81	68.20	-25.39	Peak
3	3196.094	6.24	28.64	53.03	67.29	49.14	68.20	-19.06	Peak
4	7476.006	8.42	36.37	53.55	55.16	46.40	74.00	-27.60	Peak
5	10620.000	11.13	39.16	53.45	53.75	50.59	74.00	-23.41	peak
6	15930.000	13.52	38.43	53.23	53.88	52.60	74.00	-21.40	peak

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

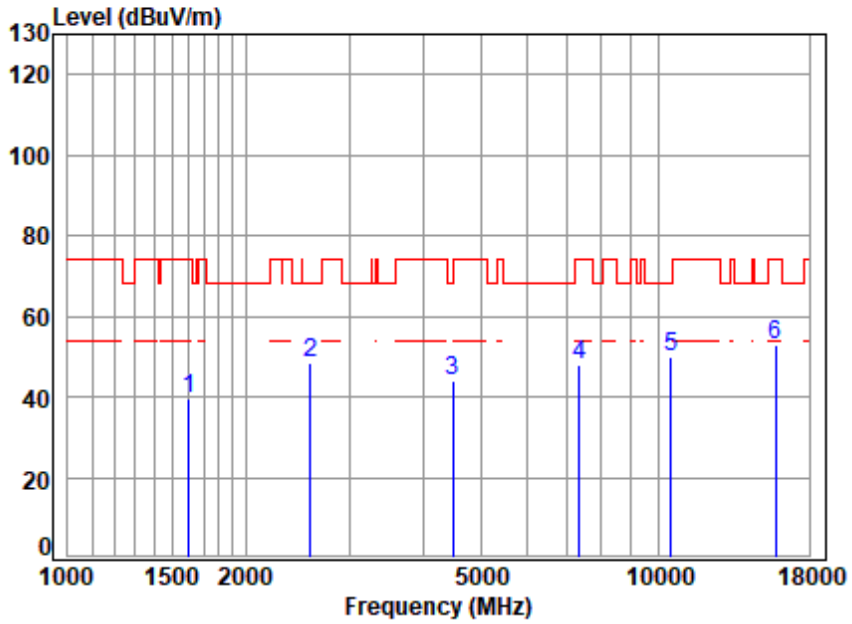


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5260 TX RSE
Note : 5G WIFI 11AC20

	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	1297.103	3.36	24.25	52.73	64.93	39.81	68.20	-28.39	Peak
2	2499.893	5.13	27.40	53.10	68.27	47.70	74.00	-26.30	Peak
3	4495.125	7.47	30.19	52.96	58.26	42.96	68.20	-25.24	Peak
4	6995.172	8.19	35.79	53.50	56.62	47.10	68.20	-21.10	Peak
5	10520.000	11.07	39.04	53.41	53.85	50.55	68.20	-17.65	peak
6	15780.000	13.51	38.93	53.31	54.00	53.13	74.00	-20.87	peak

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Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

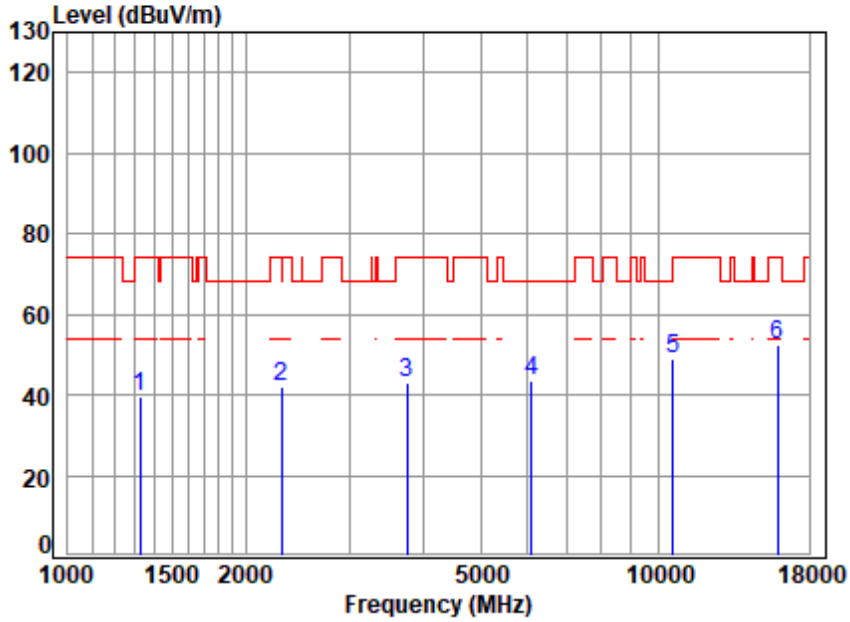


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5260 TX RSE
Note : 5G WIFI 11AC20

	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	1601.804	3.99	24.80	52.91	63.83	39.71	74.00	-34.29	Peak
2	2573.203	5.22	27.59	53.10	68.83	48.54	68.20	-19.66	Peak
3	4482.150	7.47	30.18	52.95	59.34	44.04	68.20	-24.16	Peak
4	7347.474	8.36	36.22	53.54	56.85	47.89	74.00	-26.11	Peak
5	10520.000	11.07	39.04	53.41	53.00	49.70	68.20	-18.50	peak
6	15780.000	13.51	38.93	53.31	53.69	52.82	74.00	-21.18	peak

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle

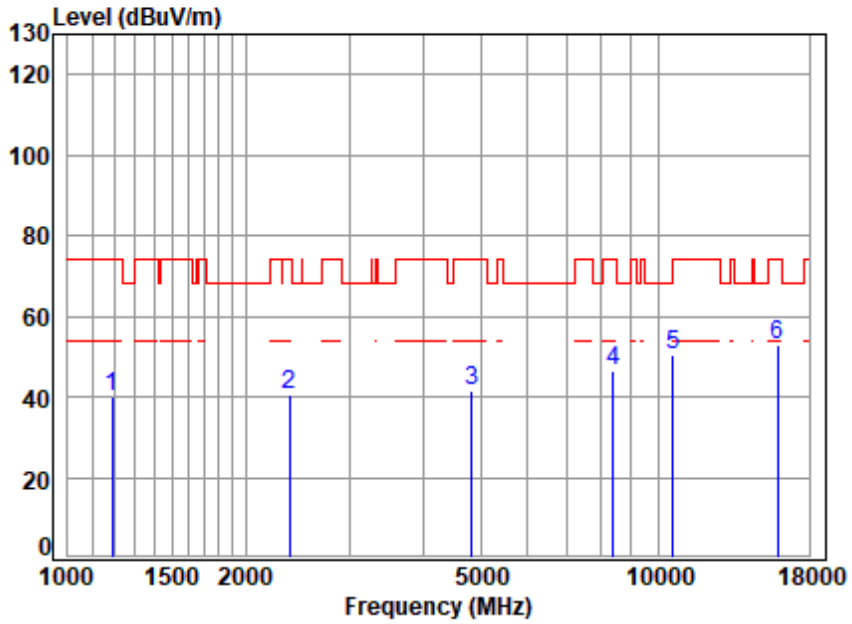


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5300 TX RSE
Note : 5G WIFI 11AC20

	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	1323.614	3.42	24.24	52.74	64.85	39.77	74.00	-34.23	Peak
2	2305.546	4.99	26.96	53.10	63.04	41.89	68.20	-26.31	Peak
3	3757.637	7.26	29.13	52.87	59.35	42.87	74.00	-31.13	Peak
4	6106.616	7.65	32.88	52.88	55.99	43.64	68.20	-24.56	Peak
5	10600.000	11.12	39.13	53.44	52.37	49.18	68.20	-19.02	peak
6	15900.000	13.51	38.53	53.25	53.58	52.37	74.00	-21.63	peak

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Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle

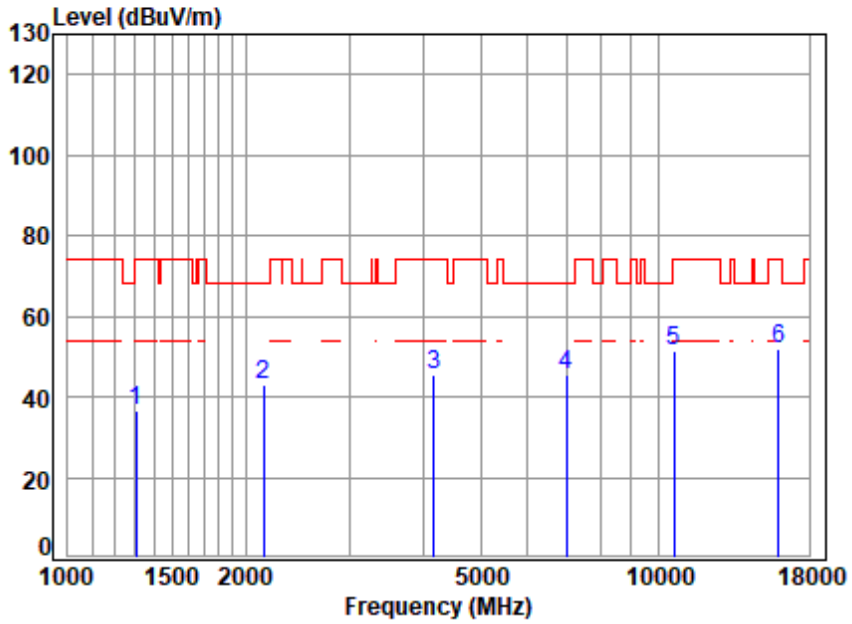


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5300 TX RSE
Note : 5G WIFI 11AC20

	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	1189.368	3.12	24.29	52.65	65.15	39.91	74.00	-34.09	Peak
2	2373.157	5.04	27.12	53.10	61.62	40.68	74.00	-33.32	Peak
3	4831.962	8.03	31.01	53.05	55.30	41.29	74.00	-32.71	Peak
4	8392.292	9.62	36.16	53.84	54.63	46.57	74.00	-27.43	Peak
5	10600.000	11.12	39.13	53.44	53.75	50.56	68.20	-17.64	peak
6	15900.000	13.51	38.53	53.25	54.22	53.01	74.00	-20.99	peak

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High

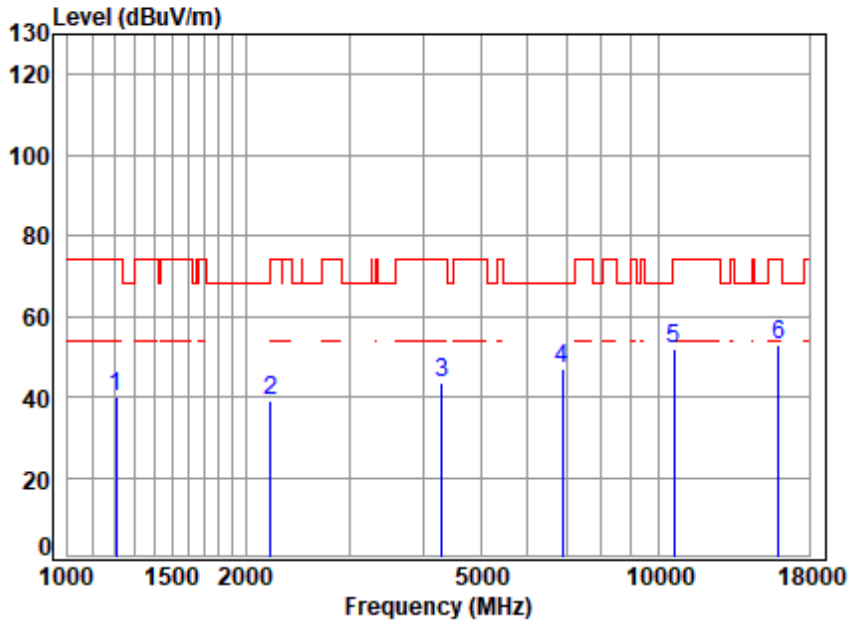


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5320 TX RSE
Note : 5G WIFI 11AC20

	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	1304.623	3.38	24.25	52.73	61.83	36.73	74.00	-37.27	Peak
2	2144.825	4.87	26.58	53.10	64.77	43.12	68.20	-25.08	Peak
3	4169.698	7.48	29.75	52.86	60.90	45.27	74.00	-28.73	Peak
4	6974.982	8.17	35.74	53.48	55.14	45.57	68.20	-22.63	Peak
5	10640.000	11.15	39.18	53.46	54.46	51.33	74.00	-22.67	peak
6	15960.000	13.52	38.33	53.22	53.26	51.89	74.00	-22.11	peak

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Member of the SGS Group (SGS SA)

Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High

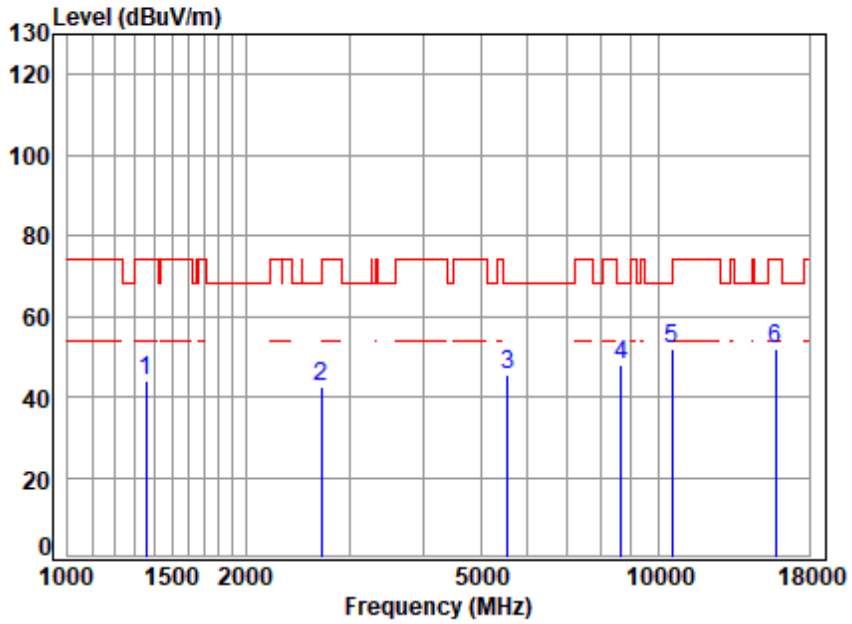


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5320 TX RSE
Note : 5G WIFI 11AC20

	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	1206.682	3.16	24.30	52.66	65.40	40.20	74.00	-33.80	Peak
2	2201.352	4.91	26.72	53.10	60.63	39.16	74.00	-34.84	Peak
3	4304.400	7.48	29.94	52.90	58.85	43.37	74.00	-30.63	Peak
4	6874.906	8.07	35.51	53.42	57.00	47.16	68.20	-21.04	Peak
5	10640.000	11.15	39.18	53.46	55.27	52.14	74.00	-21.86	peak
6	15960.000	13.52	38.33	53.22	54.03	52.66	74.00	-21.34	peak

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

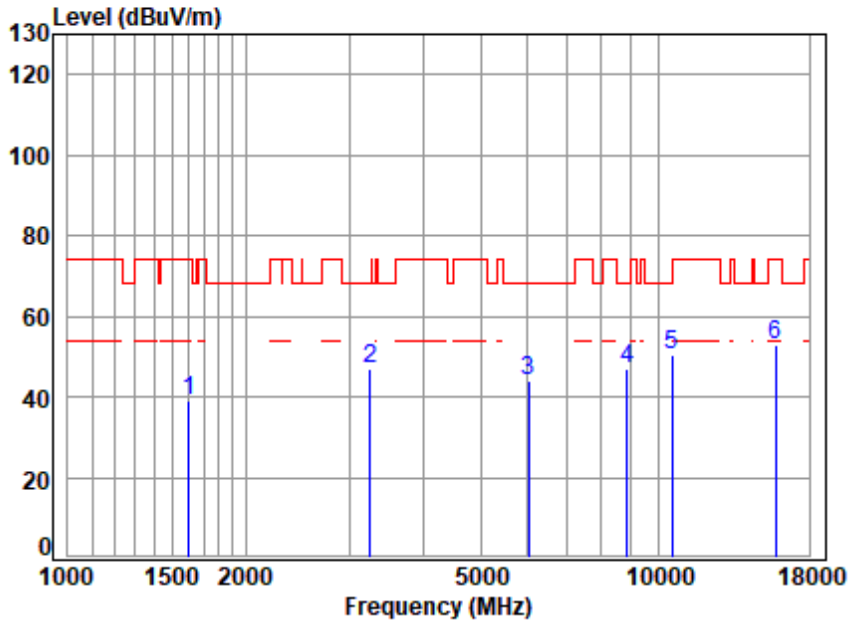


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5270 TX RSE
Note : 5G WIFI 11AC40

	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	1354.577	3.49	24.22	52.76	69.17	44.12	74.00	-29.88	Peak
2	2687.220	5.36	27.88	53.10	62.51	42.65	68.20	-25.55	Peak
3	5567.137	8.18	32.57	52.92	57.40	45.23	68.20	-22.97	Peak
4	8638.399	9.98	36.13	53.99	55.81	47.93	68.20	-20.27	Peak
5	10540.000	11.08	39.06	53.42	55.15	51.87	68.20	-16.33	peak
6	15810.000	13.51	38.83	53.29	53.02	52.07	74.00	-21.93	peak

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Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

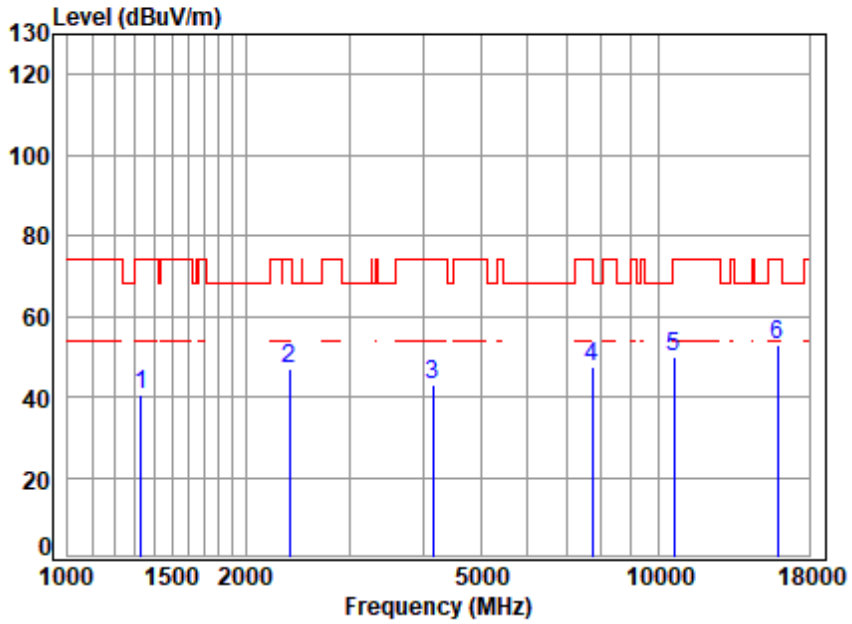


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5270 TX RSE
Note : 5G WIFI 11AC40

	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	1601.804	3.99	24.80	52.91	63.22	39.10	74.00	-34.90	Peak
2	3252.005	6.38	28.65	53.02	65.14	47.15	68.20	-21.05	Peak
3	6036.421	7.64	32.57	52.83	56.82	44.20	68.20	-24.00	Peak
4	8866.062	10.47	36.11	54.12	54.45	46.91	68.20	-21.29	Peak
5	10540.000	11.08	39.06	53.42	53.53	50.25	68.20	-17.95	peak
6	15810.000	13.51	38.83	53.29	53.69	52.74	74.00	-21.26	peak

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

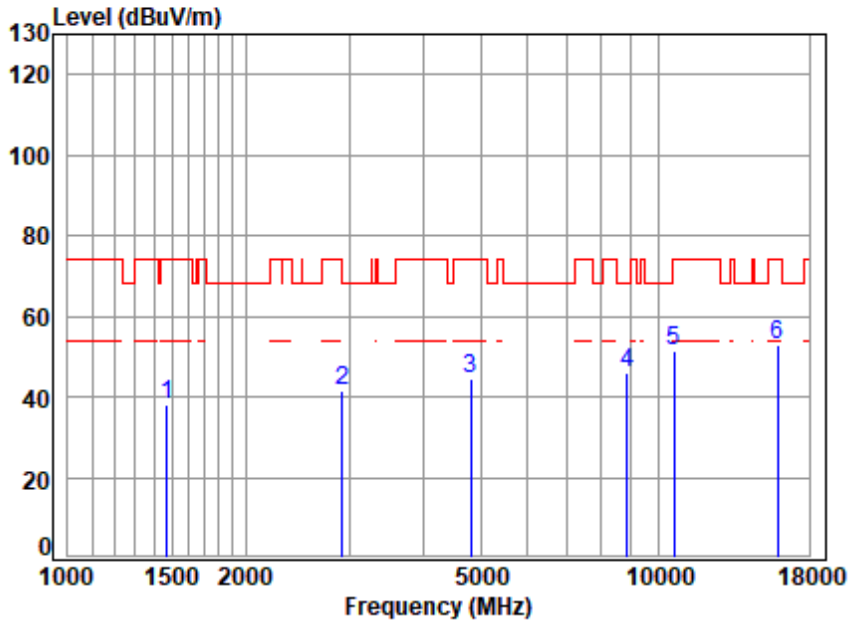


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5310 TX RSE
Note : 5G WIFI 11AC40

	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	1331.288	3.44	24.23	52.75	65.83	40.75	74.00	-33.25	Peak
2	2373.157	5.04	27.12	53.10	68.13	47.19	74.00	-26.81	Peak
3	4145.664	7.48	29.71	52.85	58.63	42.97	74.00	-31.03	Peak
4	7739.857	8.92	36.30	53.58	55.63	47.27	74.00	-26.73	Peak
5	10620.000	11.13	39.16	53.45	52.85	49.69	74.00	-24.31	peak
6	15930.000	13.52	38.43	53.23	54.15	52.87	74.00	-21.13	peak

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Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

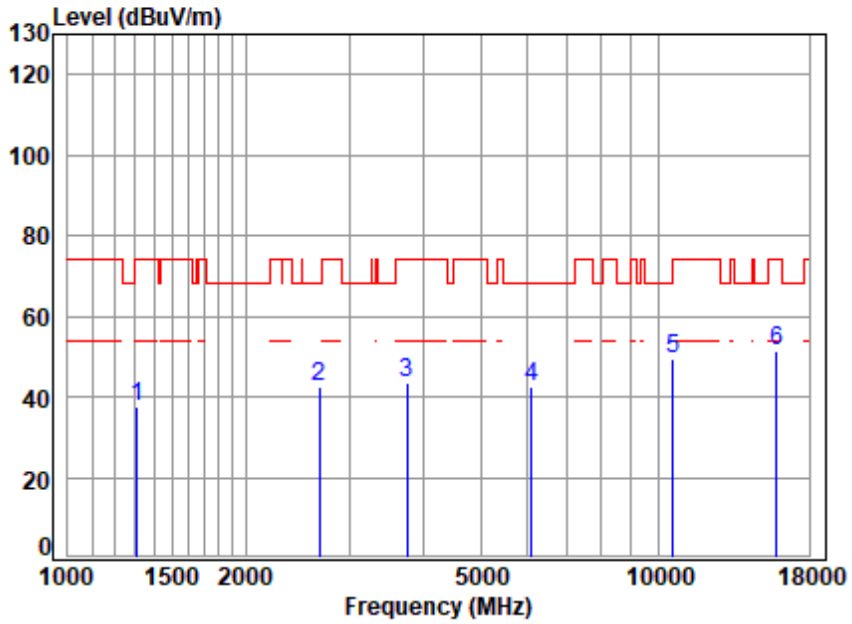


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5310 TX RSE
Note : 5G WIFI 11AC40

	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	1473.013	3.72	24.43	52.84	62.86	38.17	74.00	-35.83	Peak
2	2913.740	5.63	28.41	53.10	60.53	41.47	68.20	-26.73	Peak
3	4818.016	8.01	30.98	53.05	58.51	44.45	74.00	-29.55	Peak
4	8866.062	10.47	36.11	54.12	53.45	45.91	68.20	-22.29	Peak
5	10620.000	11.13	39.16	53.45	54.69	51.53	74.00	-22.47	peak
6	15930.000	13.52	38.43	53.23	54.01	52.73	74.00	-21.27	peak

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle

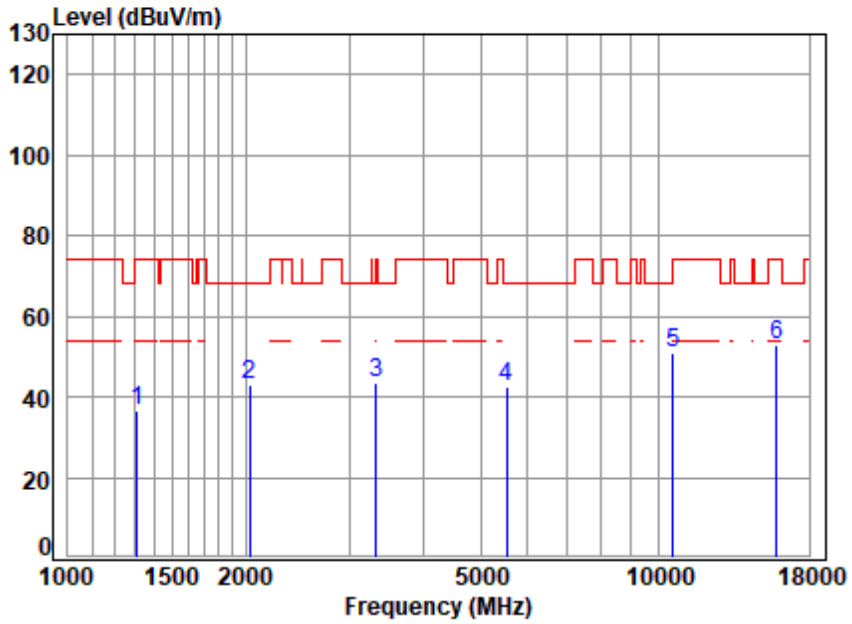


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5290 TX RSE
Note : 5G WIFI 11AC80

	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	1308.399	3.39	24.24	52.73	62.63	37.53	74.00	-36.47	Peak
2	2664.019	5.34	27.82	53.10	62.54	42.60	68.20	-25.60	Peak
3	3757.637	7.26	29.13	52.87	59.77	43.29	74.00	-30.71	Peak
4	6088.991	7.65	32.80	52.87	54.69	42.27	68.20	-25.93	Peak
5	10580.000	11.11	39.11	53.44	52.85	49.63	68.20	-18.57	peak
6	15870.000	13.51	38.63	53.26	52.47	51.35	74.00	-22.65	peak

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Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle

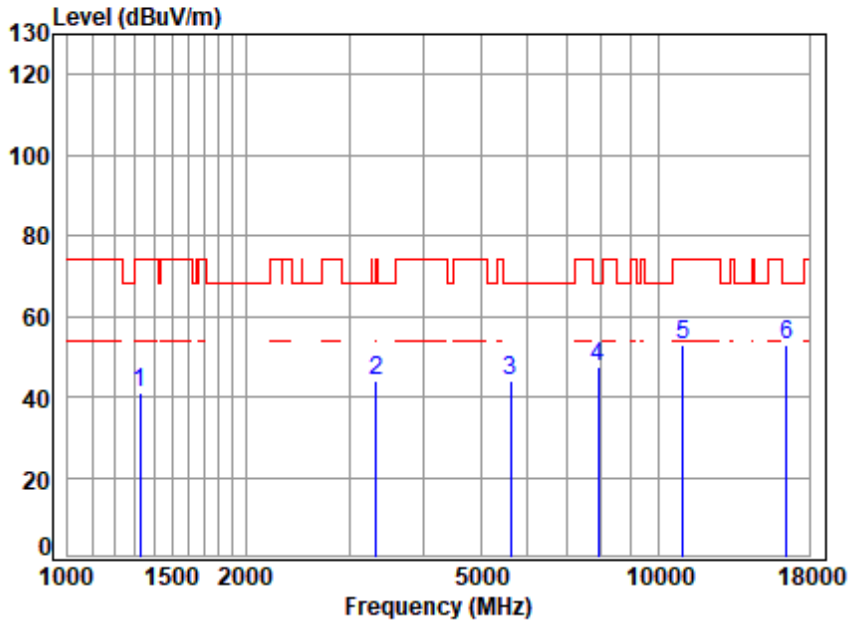


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5290 TX RSE
Note : 5G WIFI 11AC80

	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	1312.187	3.40	24.24	52.74	61.85	36.75	74.00	-37.25	Peak
2	2030.214	4.78	26.28	53.10	64.94	42.90	68.20	-25.30	Peak
3	3328.077	6.58	28.67	52.99	61.26	43.52	68.20	-24.68	Peak
4	5535.047	8.22	32.59	52.93	54.73	42.61	68.20	-25.59	Peak
5	10580.000	11.11	39.11	53.44	53.97	50.75	68.20	-17.45	peak
6	15870.000	13.51	38.63	53.26	53.78	52.66	74.00	-21.34	peak

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

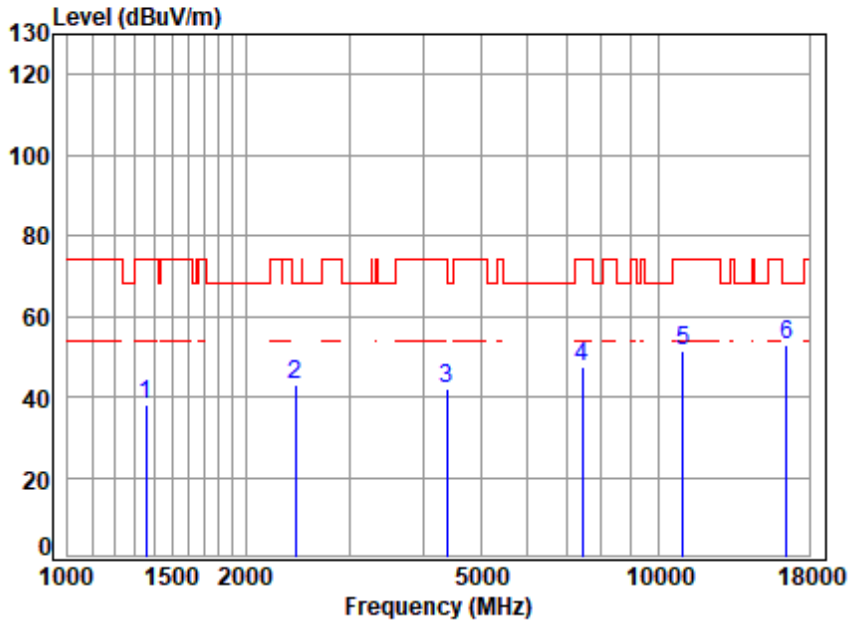


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5500 TX RSE
Note : 5G WIFI 11A

	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	1323.614	3.42	24.24	52.74	65.93	40.85	74.00	-33.15	Peak
2	3328.077	6.58	28.67	52.99	61.56	43.82	68.20	-24.38	Peak
3	5615.620	8.12	32.55	52.91	56.34	44.10	68.20	-24.10	Peak
4	7920.911	9.28	36.23	53.59	55.48	47.40	68.20	-20.80	Peak
5	11000.000	11.36	39.60	53.60	55.75	53.11	74.00	-20.89	peak
6	16500.000	14.69	39.93	52.90	51.01	52.73	68.20	-15.47	peak

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Test Mode: 06; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

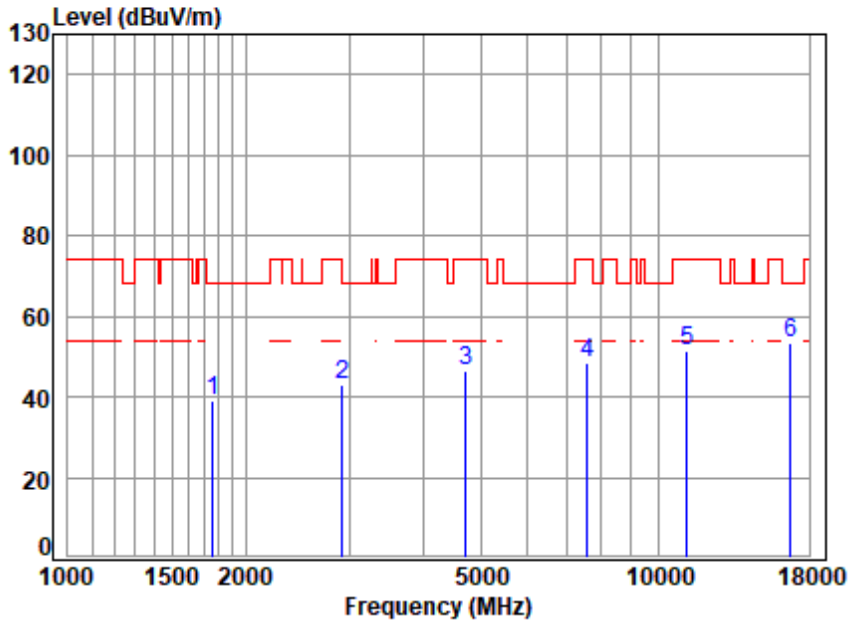


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5500 TX RSE
Note : 5G WIFI 11A

	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	1358.498	3.49	24.22	52.77	63.26	38.20	74.00	-35.80	Peak
2	2428.671	5.08	27.24	53.10	63.67	42.89	68.20	-25.31	Peak
3	4392.376	7.47	30.06	52.93	57.43	42.03	74.00	-31.97	Peak
4	7432.914	8.40	36.32	53.54	56.33	47.51	74.00	-26.49	Peak
5	11000.000	11.36	39.60	53.60	54.25	51.61	74.00	-22.39	peak
6	16500.000	14.69	39.93	52.90	51.03	52.75	68.20	-15.45	peak

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle

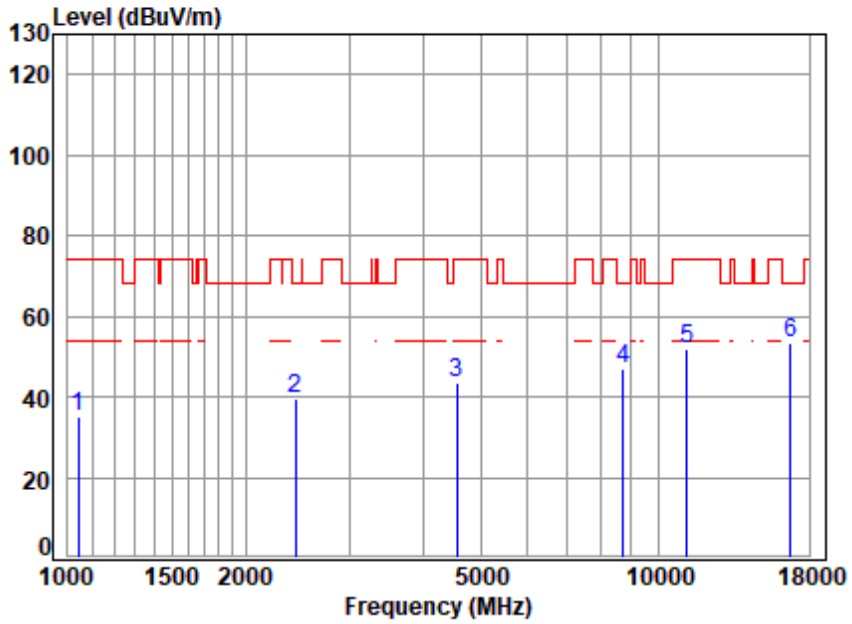


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5580 TX RSE
Note : 5G WIFI 11A

	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	1762.112	4.32	25.13	52.99	62.54	39.00	68.20	-29.20	Peak
2	2913.740	5.63	28.41	53.10	61.84	42.78	68.20	-25.42	Peak
3	4721.515	7.85	30.75	53.02	61.02	46.60	74.00	-27.40	Peak
4	7584.833	8.60	36.37	53.56	57.11	48.52	74.00	-25.48	Peak
5	11160.000	11.44	39.63	53.67	54.13	51.53	74.00	-22.47	peak
6	16740.000	14.50	40.74	52.75	50.93	53.42	68.20	-14.78	peak

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Test Mode: 06; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle

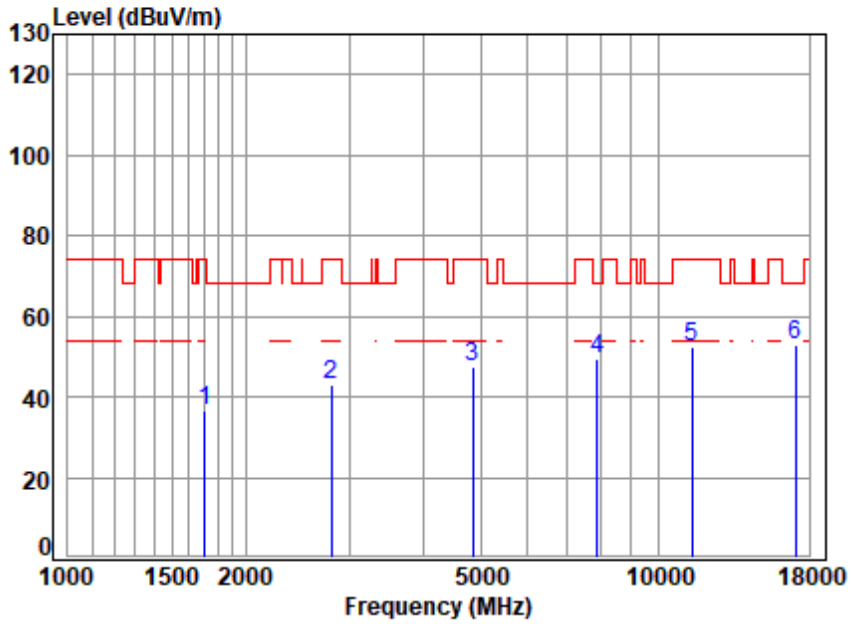


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5580 TX RSE
Note : 5G WIFI 11A

	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	1041.295	2.75	24.14	52.54	60.78	35.13	74.00	-38.87	Peak
2	2428.671	5.08	27.24	53.10	60.25	39.47	68.20	-28.73	Peak
3	4560.559	7.58	30.35	52.98	58.77	43.72	74.00	-30.28	Peak
4	8713.630	10.14	36.13	54.04	54.69	46.92	68.20	-21.28	Peak
5	11160.000	11.44	39.63	53.67	54.47	51.87	74.00	-22.13	peak
6	16740.000	14.50	40.74	52.75	50.89	53.38	68.20	-14.82	peak

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High

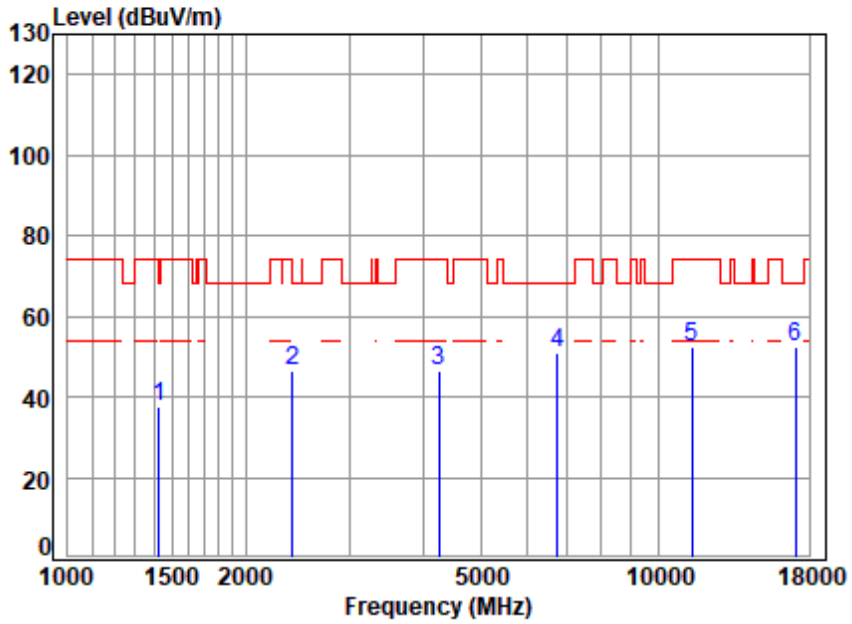


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5700 TX RSE
Note : 5G WIFI 11A

	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	1706.968	4.21	25.02	52.96	60.50	36.77	74.00	-37.23	Peak
2	2790.113	5.49	28.12	53.10	62.34	42.85	74.00	-31.15	Peak
3	4845.948	8.05	31.04	53.06	61.51	47.54	74.00	-26.46	Peak
4	7875.254	9.19	36.25	53.59	57.82	49.67	68.20	-18.53	Peak
5	11400.000	11.55	39.68	53.76	54.70	52.17	74.00	-21.83	peak
6	17100.000	14.34	42.14	52.54	49.03	52.97	68.20	-15.23	peak

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Test Mode: 06; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High

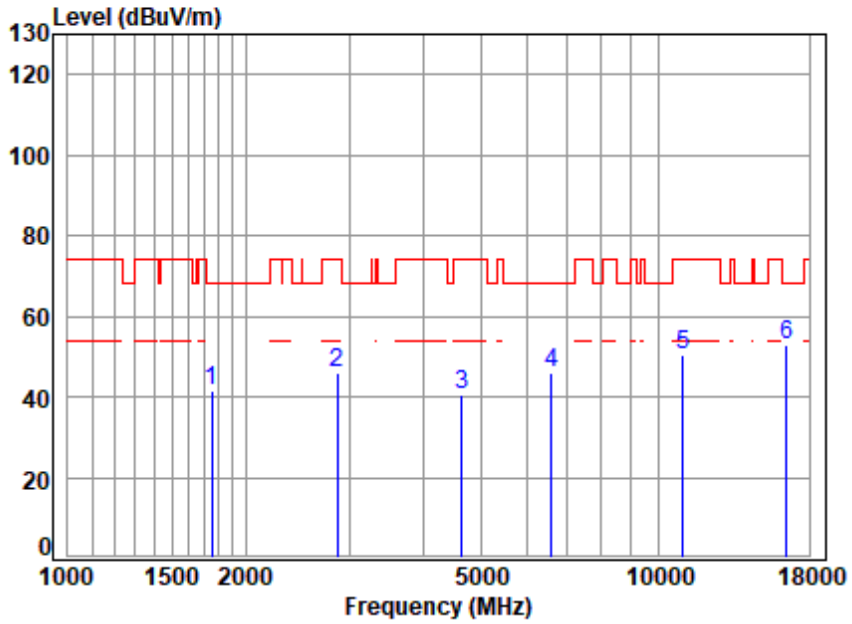


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5700 TX RSE
Note : 5G WIFI 11A

	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	1426.916	3.63	24.29	52.81	62.44	37.55	74.00	-36.45	Peak
2	2400.753	5.06	27.18	53.10	67.08	46.22	68.20	-21.98	Peak
3	4254.921	7.48	29.87	52.88	61.91	46.38	74.00	-27.62	Peak
4	6756.708	7.96	35.23	53.34	60.97	50.82	68.20	-17.38	Peak
5	11400.000	11.55	39.68	53.76	55.04	52.51	74.00	-21.49	peak
6	17100.000	14.34	42.14	52.54	48.57	52.51	68.20	-15.69	peak

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

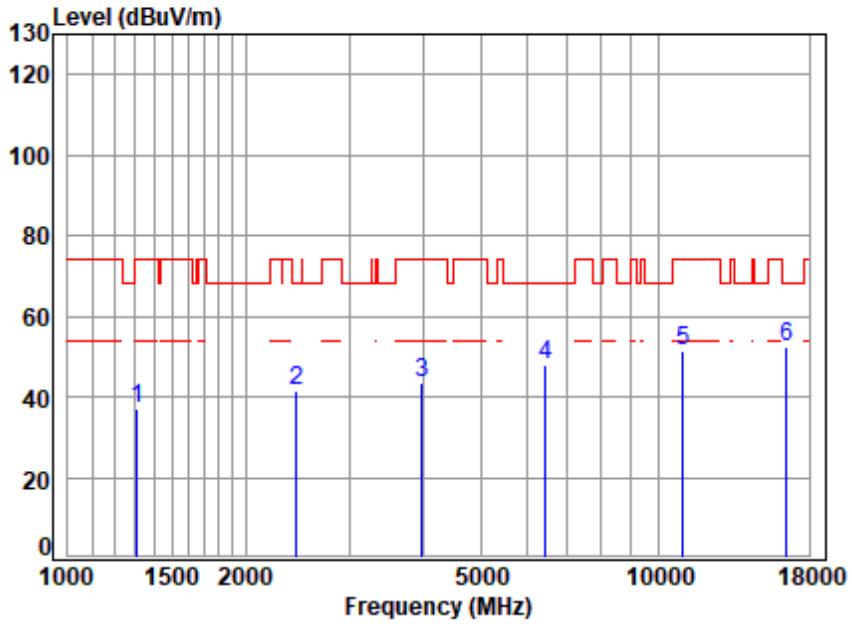


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5500 TX RSE
Note : 5G WIFI 11N20

	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	1751.955	4.30	25.11	52.99	65.35	41.77	68.20	-26.43	Peak
2	2855.380	5.56	28.27	53.10	65.27	46.00	74.00	-28.00	Peak
3	4653.771	7.73	30.58	53.00	55.02	40.33	74.00	-33.67	Peak
4	6602.265	7.80	34.85	53.23	56.31	45.73	68.20	-22.47	Peak
5	11000.000	11.36	39.60	53.60	53.01	50.37	74.00	-23.63	peak
6	16500.000	14.69	39.93	52.90	50.96	52.68	68.20	-15.52	peak

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Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

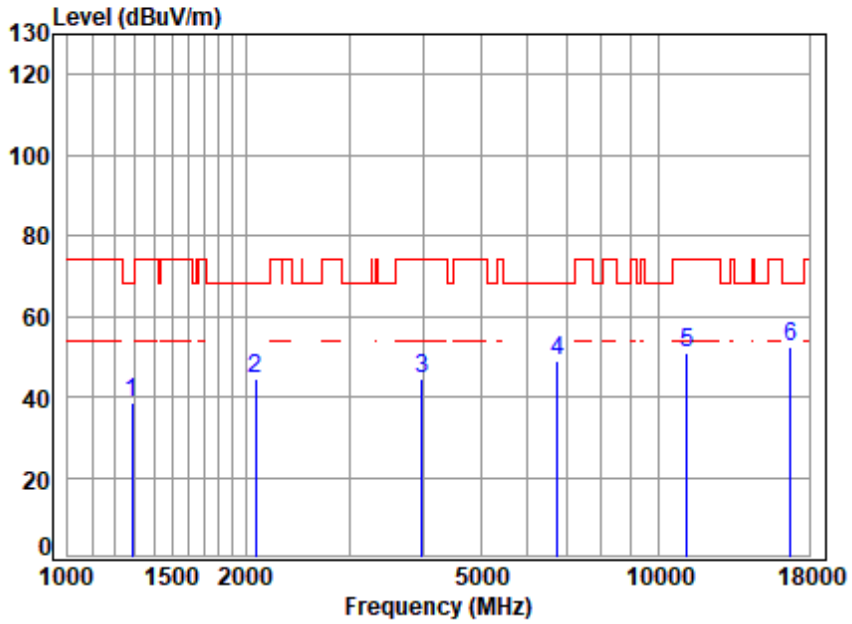


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5500 TX RSE
Note : 5G WIFI 11N20

	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	1308.399	3.39	24.24	52.73	62.03	36.93	74.00	-37.07	Peak
2	2435.701	5.09	27.26	53.10	62.05	41.30	68.20	-26.90	Peak
3	3981.257	7.47	29.47	52.80	59.49	43.63	74.00	-30.37	Peak
4	6432.732	7.69	34.31	53.12	59.25	48.13	68.20	-20.07	Peak
5	11000.000	11.36	39.60	53.60	53.99	51.35	74.00	-22.65	peak
6	16500.000	14.69	39.93	52.90	50.88	52.60	68.20	-15.60	peak

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle

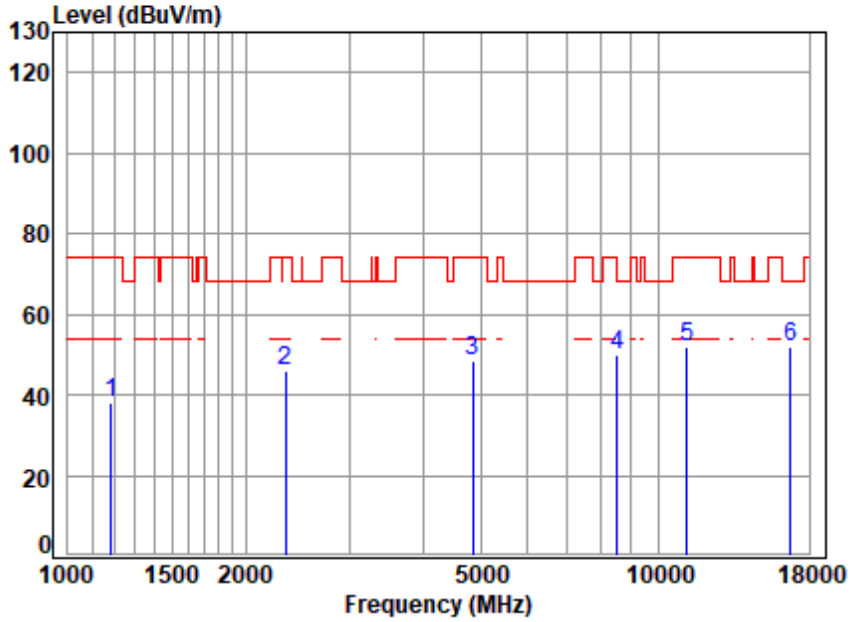


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5580 TX RSE
Note : 5G WIFI 11N20

	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	3.34	24.26	52.72	63.78	38.66	68.20	-29.54	Peak
2	2077.705	4.81	26.40	53.10	66.43	44.54	68.20	-23.66	Peak
3	3981.257	7.47	29.47	52.80	60.53	44.67	74.00	-29.33	Peak
4	6756.708	7.96	35.23	53.34	59.23	49.08	68.20	-19.12	Peak
5	11160.000	11.44	39.63	53.67	53.49	50.89	74.00	-23.11	peak
6	16740.000	14.50	40.74	52.75	49.98	52.47	68.20	-15.73	peak

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Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle

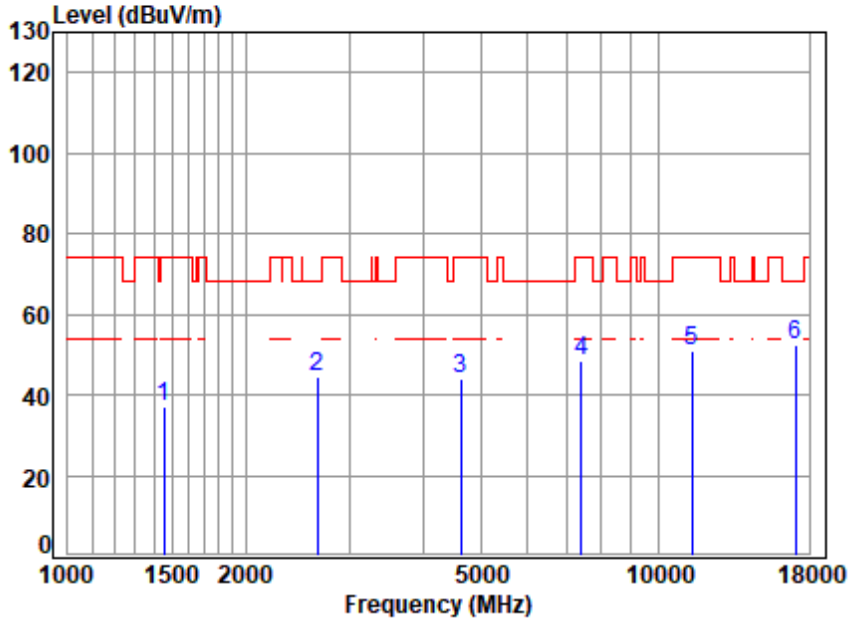


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5580 TX RSE
Note : 5G WIFI 11N20

	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	1182.513	3.11	24.28	52.65	63.43	38.17	74.00	-35.83	Peak
2	2339.107	5.02	27.04	53.10	66.83	45.79	74.00	-28.21	Peak
3	4845.948	8.05	31.04	53.06	62.24	48.27	74.00	-25.73	Peak
4	8514.456	9.70	36.15	53.92	58.13	50.06	68.20	-18.14	Peak
5	11160.000	11.44	39.63	53.67	54.59	51.99	74.00	-22.01	peak
6	16740.000	14.50	40.74	52.75	49.45	51.94	68.20	-16.26	peak

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High

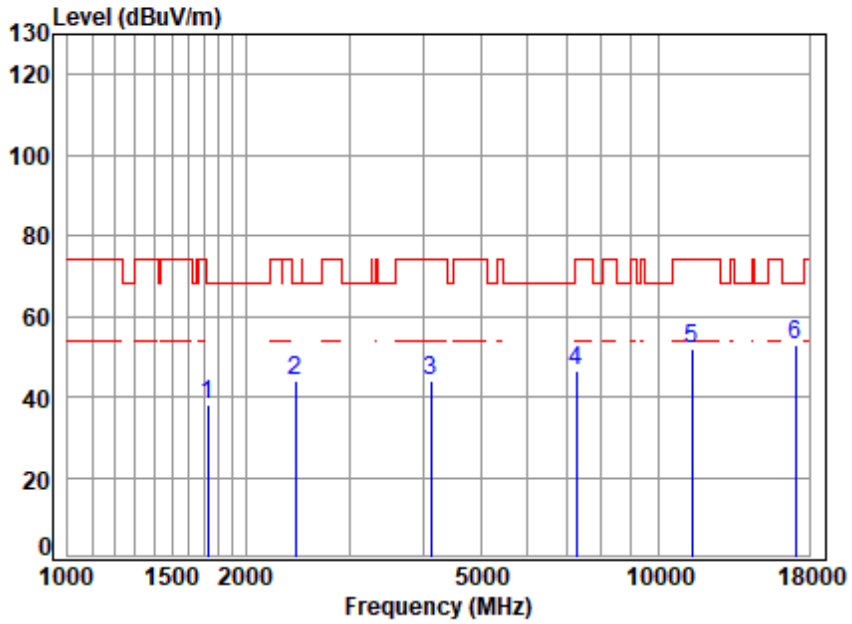


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5700 TX RSE
Note : 5G WIFI 11N20

	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	1456.081	3.69	24.38	52.83	62.07	37.31	74.00	-36.69	Peak
2	2648.664	5.32	27.78	53.10	64.51	44.51	68.20	-23.69	Peak
3	4626.946	7.69	30.52	53.00	59.00	44.21	74.00	-29.79	Peak
4	7411.461	8.39	36.30	53.54	57.46	48.61	74.00	-25.39	Peak
5	11400.000	11.55	39.68	53.76	53.65	51.12	74.00	-22.88	peak
6	17100.000	14.34	42.14	52.54	48.27	52.21	68.20	-15.99	peak

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Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High

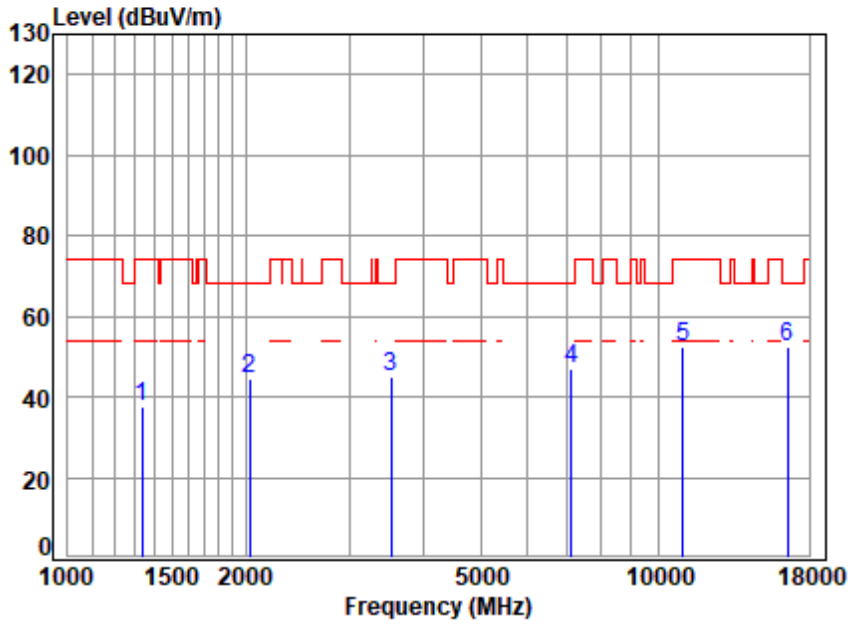


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5700 TX RSE
Note : 5G WIFI 11N20

	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	1726.818	4.25	25.06	52.97	61.59	37.93	68.20	-30.27	Peak
2	2428.671	5.08	27.24	53.10	64.59	43.81	68.20	-24.39	Peak
3	4121.768	7.48	29.68	52.84	59.48	43.80	74.00	-30.20	Peak
4	7263.015	8.32	36.12	53.53	55.57	46.48	74.00	-27.52	Peak
5	11400.000	11.55	39.68	53.76	54.59	52.06	74.00	-21.94	peak
6	17100.000	14.34	42.14	52.54	49.15	53.09	68.20	-15.11	peak

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Member of the SGS Group (SGS SA)

Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

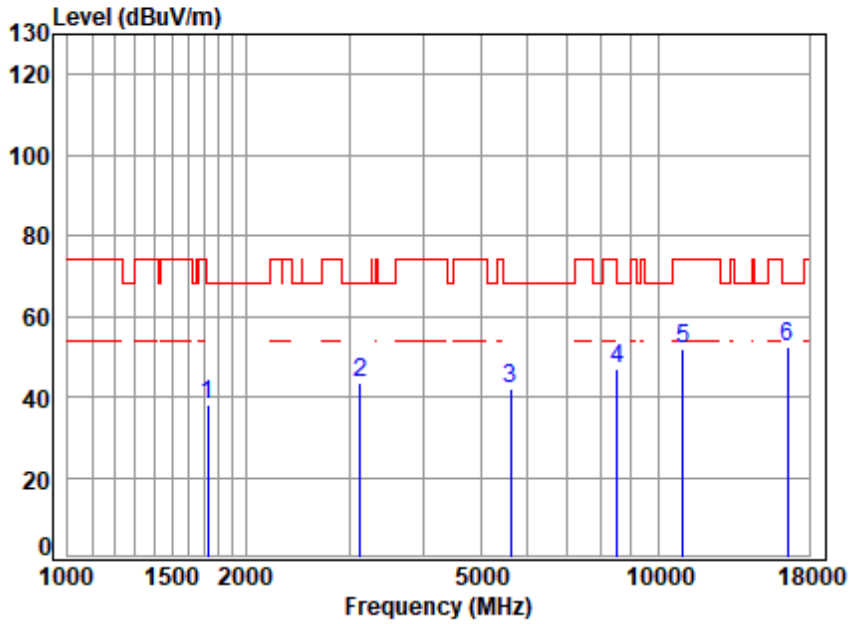


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5510 TX RSE
Note : 5G WIFI 11N40

	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	1335.141	3.45	24.23	52.75	62.74	37.67	74.00	-36.33	Peak
2	2036.090	4.78	26.30	53.10	66.35	44.33	68.20	-23.87	Peak
3	3526.134	7.02	28.74	52.93	62.25	45.08	68.20	-23.12	Peak
4	7138.144	8.26	35.97	53.51	56.24	46.96	68.20	-21.24	Peak
5	11020.000	11.37	39.60	53.61	54.99	52.35	74.00	-21.65	peak
6	16530.000	14.67	40.03	52.88	50.54	52.36	68.20	-15.84	peak

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Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

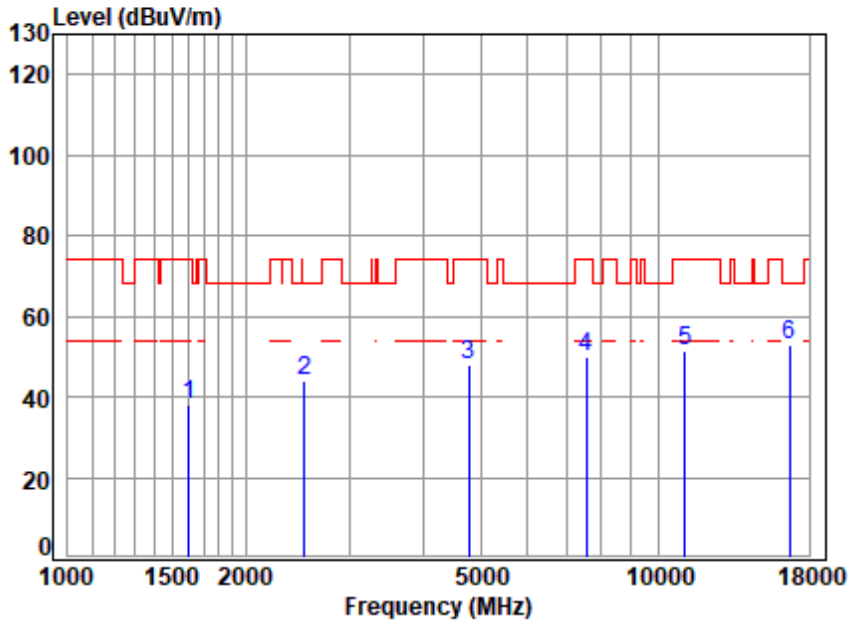


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5510 TX RSE
Note : 5G WIFI 11N40

	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	1726.818	4.25	25.06	52.97	61.59	37.93	68.20	-30.27	Peak
2	3123.039	6.05	28.63	53.06	62.07	43.69	68.20	-24.51	Peak
3	5615.620	8.12	32.55	52.91	54.14	41.90	68.20	-26.30	Peak
4	8514.456	9.70	36.15	53.92	55.13	47.06	68.20	-21.14	Peak
5	11020.000	11.37	39.60	53.61	54.50	51.86	74.00	-22.14	peak
6	16530.000	14.67	40.03	52.88	50.79	52.61	68.20	-15.59	peak

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:middle

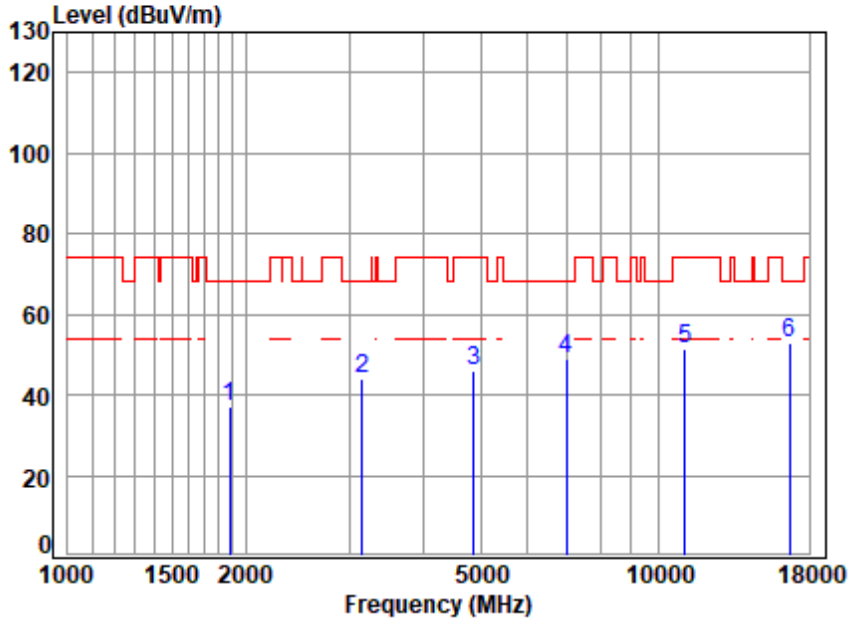


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5550 TX RSE
Note : 5G WIFI 11N40

	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	1606.441	4.00	24.81	52.91	62.10	38.00	74.00	-36.00	Peak
2	2514.386	5.15	27.44	53.10	64.48	43.97	68.20	-24.23	Peak
3	4776.419	7.94	30.88	53.04	62.28	48.06	74.00	-25.94	Peak
4	7541.114	8.51	36.38	53.56	58.57	49.90	74.00	-24.10	Peak
5	11100.000	11.41	39.62	53.64	53.97	51.36	74.00	-22.64	peak
6	16650.000	14.57	40.43	52.81	50.66	52.85	68.20	-15.35	peak

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Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:middle

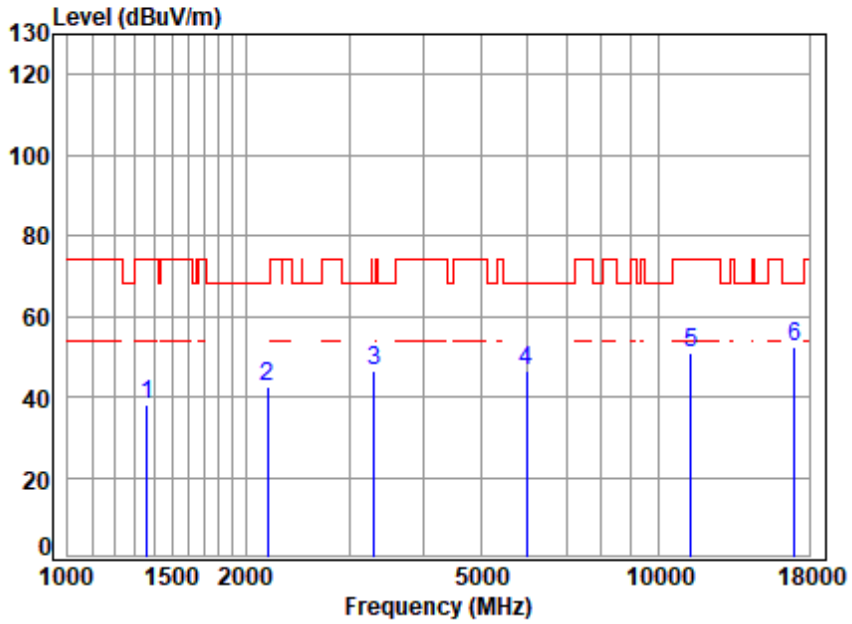


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5550 TX RSE
Note : 5G WIFI 11N40

	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	1883.236	4.55	25.63	53.05	60.12	37.25	68.20	-30.95	Peak
2	3150.237	6.12	28.63	53.05	62.16	43.86	68.20	-24.34	Peak
3	4874.043	8.10	31.11	53.07	59.97	46.11	74.00	-27.89	Peak
4	6974.982	8.17	35.74	53.48	58.46	48.89	68.20	-19.31	Peak
5	11100.000	11.41	39.62	53.64	53.93	51.32	74.00	-22.68	peak
6	16650.000	14.57	40.43	52.81	50.64	52.83	68.20	-15.37	peak

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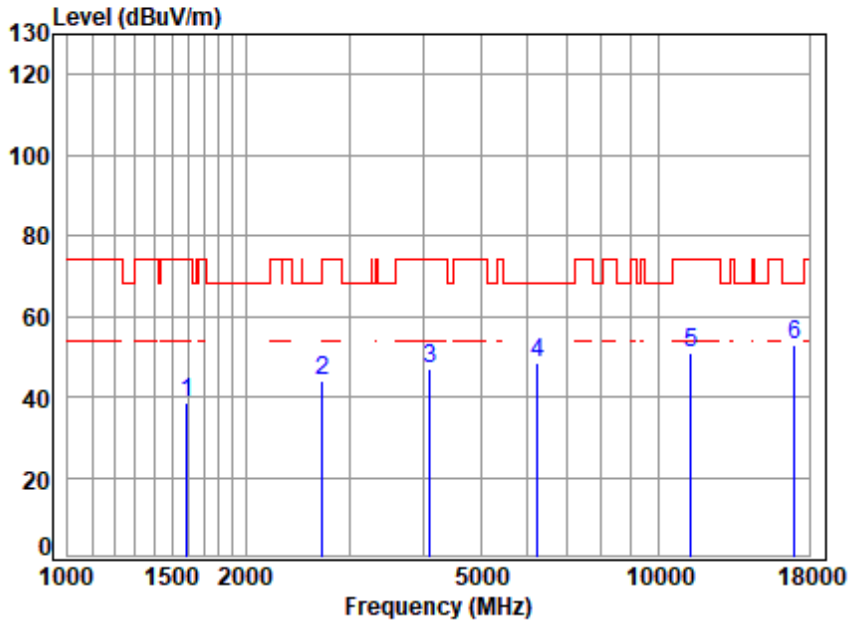


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5670 TX RSE
Note : 5G WIFI 11N40

	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	1362.430	3.50	24.22	52.77	63.02	37.97	74.00	-36.03	Peak
2	2176.047	4.89	26.65	53.10	63.94	42.38	68.20	-25.82	Peak
3	3299.344	6.50	28.66	53.00	64.55	46.71	68.20	-21.49	Peak
4	5984.305	7.66	32.41	52.80	58.99	46.26	68.20	-21.94	Peak
5	11340.000	11.52	39.67	53.74	53.65	51.10	74.00	-22.90	peak
6	17010.000	14.30	41.65	52.59	49.17	52.53	68.20	-15.67	peak

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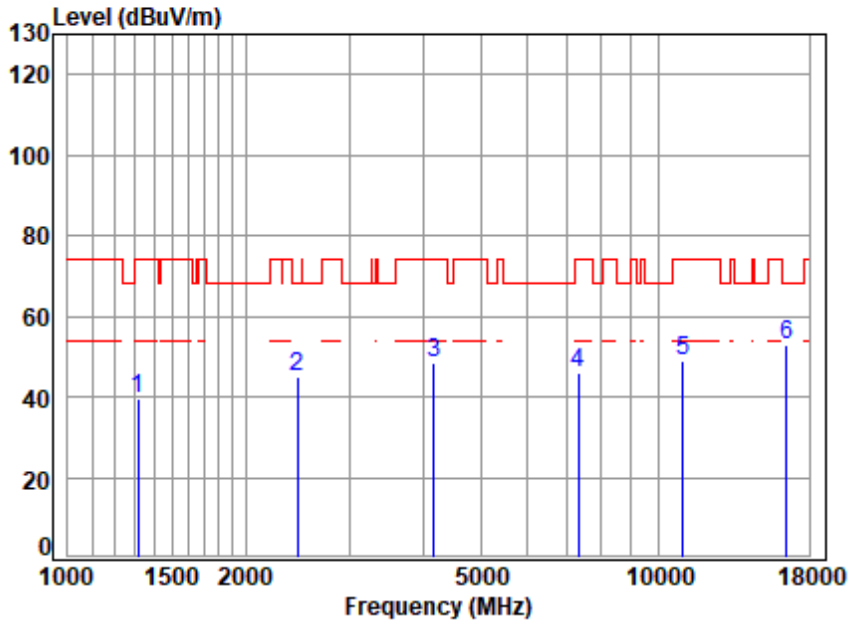


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5670 TX RSE
Note : 5G WIFI 11N40

	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	1592.571	3.97	24.78	52.90	62.66	38.51	74.00	-35.49	Peak
2	2702.799	5.38	27.91	53.10	63.95	44.14	74.00	-29.86	Peak
3	4098.010	7.49	29.64	52.83	62.57	46.87	74.00	-27.13	Peak
4	6249.464	7.67	33.52	52.98	60.11	48.32	68.20	-19.88	Peak
5	11340.000	11.52	39.67	53.74	53.60	51.05	74.00	-22.95	peak
6	17010.000	14.30	41.65	52.59	49.65	53.01	68.20	-15.19	peak

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

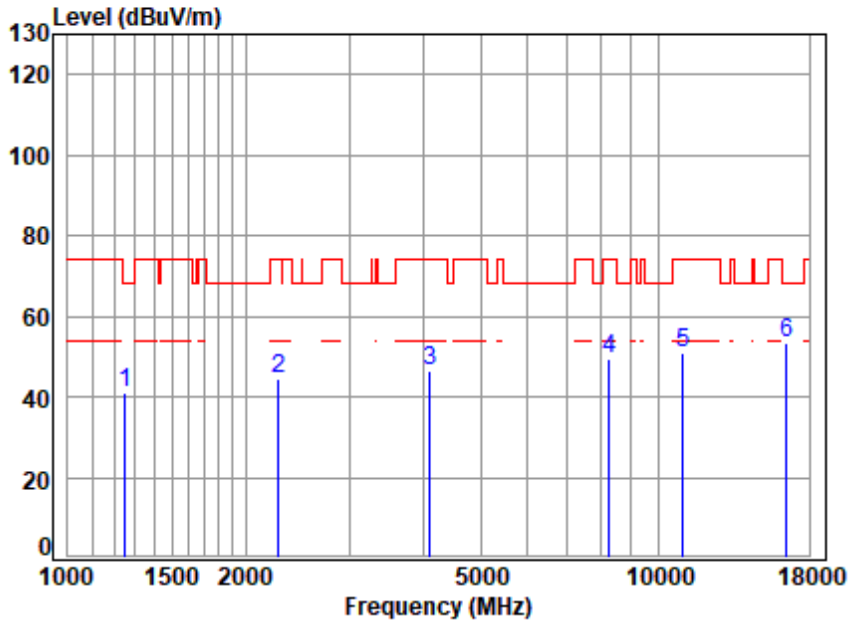


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5500 TX RSE
Note : 5G WIFI 11AC20

	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	1315.985	3.41	24.24	52.74	64.41	39.32	74.00	-34.68	Peak
2	2449.822	5.10	27.29	53.10	65.87	45.16	68.20	-23.04	Peak
3	4169.698	7.48	29.75	52.86	64.19	48.56	74.00	-25.44	Peak
4	7326.267	8.35	36.20	53.53	55.07	46.09	74.00	-27.91	Peak
5	11000.000	11.36	39.60	53.60	51.79	49.15	74.00	-24.85	peak
6	16500.000	14.69	39.93	52.90	50.98	52.70	68.20	-15.50	peak

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Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

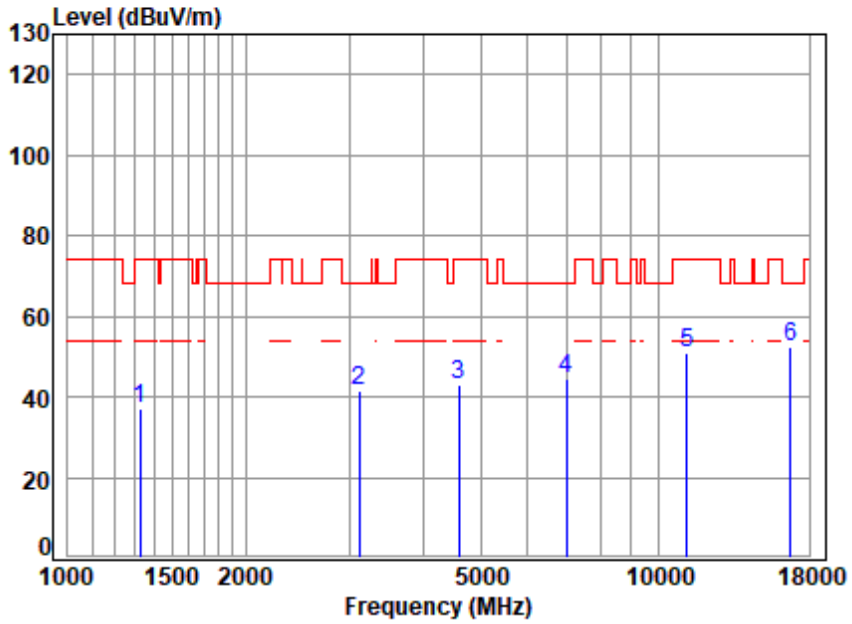


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5500 TX RSE
Note : 5G WIFI 11AC20

	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	1252.885	3.27	24.27	52.70	66.26	41.10	68.20	-27.10	Peak
2	2272.466	4.97	26.89	53.10	65.49	44.25	74.00	-29.75	Peak
3	4098.010	7.49	29.64	52.83	62.37	46.67	74.00	-27.33	Peak
4	8271.880	9.56	36.17	53.77	57.40	49.36	74.00	-24.64	Peak
5	11000.000	11.36	39.60	53.60	53.70	51.06	74.00	-22.94	peak
6	16500.000	14.69	39.93	52.90	51.68	53.40	68.20	-14.80	peak

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle

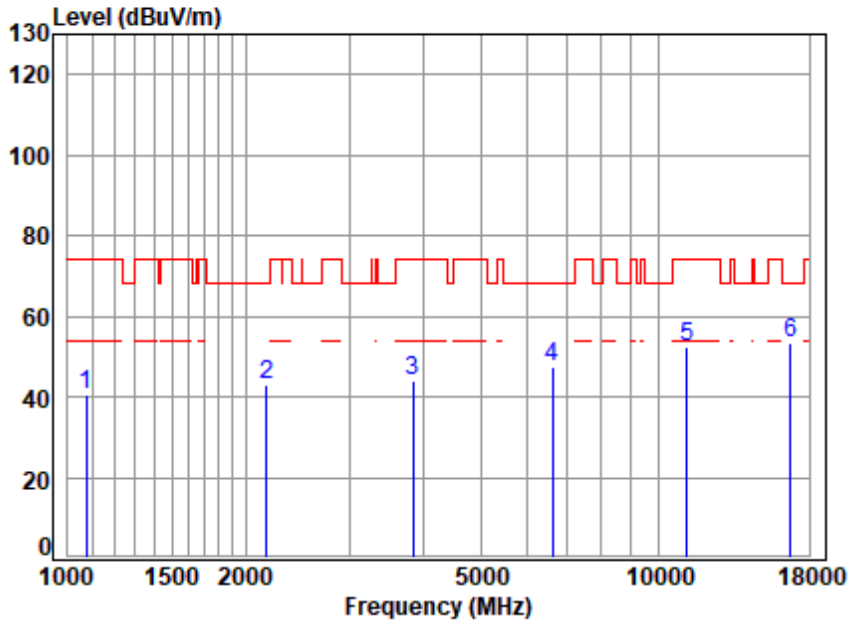


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5580 TX RSE
Note : 5G WIFI 11AC20

	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	1327.446	3.43	24.23	52.75	61.98	36.89	74.00	-37.11	Peak
2	3114.025	6.03	28.62	53.06	59.80	41.39	68.20	-26.81	Peak
3	4586.999	7.62	30.42	52.98	57.84	42.90	74.00	-31.10	Peak
4	6995.172	8.19	35.79	53.50	53.93	44.41	68.20	-23.79	Peak
5	11160.000	11.44	39.63	53.67	53.66	51.06	74.00	-22.94	peak
6	16740.000	14.50	40.74	52.75	50.13	52.62	68.20	-15.58	peak

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Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle

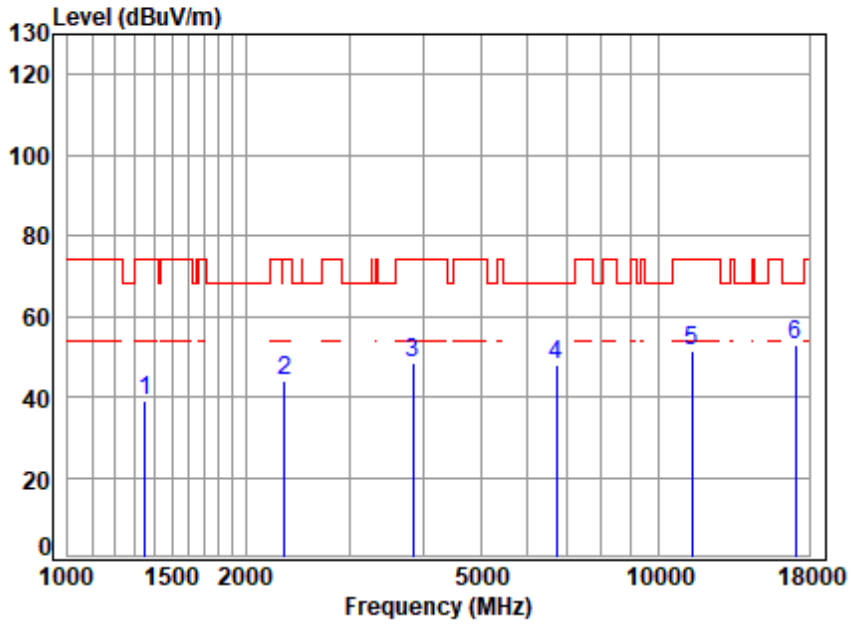


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5580 TX RSE
Note : 5G WIFI 11AC20

	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	1074.934	2.84	24.18	52.56	66.02	40.48	74.00	-33.52	Peak
2	2169.767	4.89	26.64	53.10	64.46	42.89	68.20	-25.31	Peak
3	3845.537	7.34	29.26	52.84	60.04	43.80	74.00	-30.20	Peak
4	6621.375	7.82	34.90	53.25	58.22	47.69	68.20	-20.51	Peak
5	11160.000	11.44	39.63	53.67	54.97	52.37	74.00	-21.63	peak
6	16740.000	14.50	40.74	52.75	50.74	53.23	68.20	-14.97	peak

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High

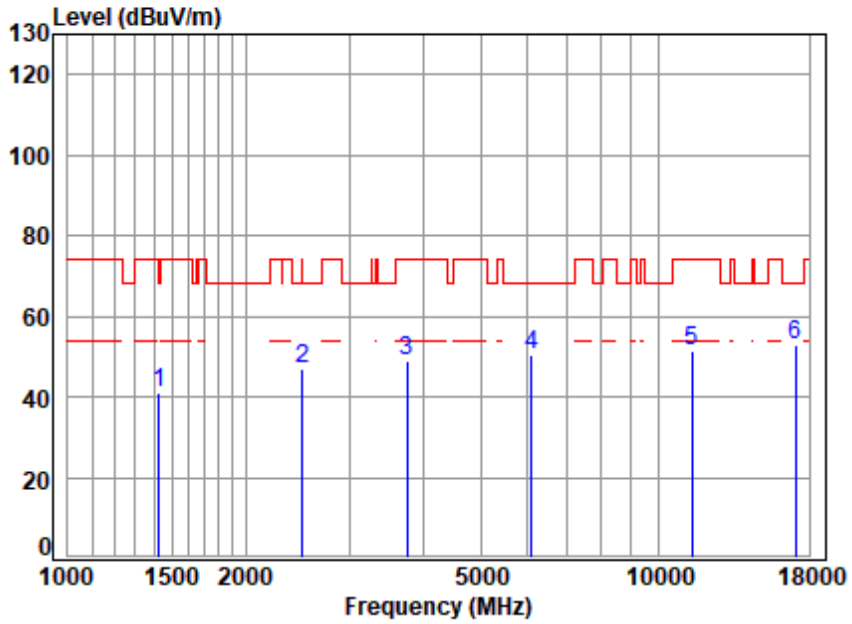


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5700 TX RSE
Note : 5G WIFI 11AC20

	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	1350.667	3.48	24.22	52.76	64.15	39.09	74.00	-34.91	Peak
2	2325.624	5.01	27.01	53.10	65.20	44.12	74.00	-29.88	Peak
3	3845.537	7.34	29.26	52.84	64.72	48.48	74.00	-25.52	Peak
4	6717.762	7.92	35.13	53.31	58.27	48.01	68.20	-20.19	Peak
5	11400.000	11.55	39.68	53.76	54.11	51.58	74.00	-22.42	peak
6	17100.000	14.34	42.14	52.54	48.90	52.84	68.20	-15.36	peak

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Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High

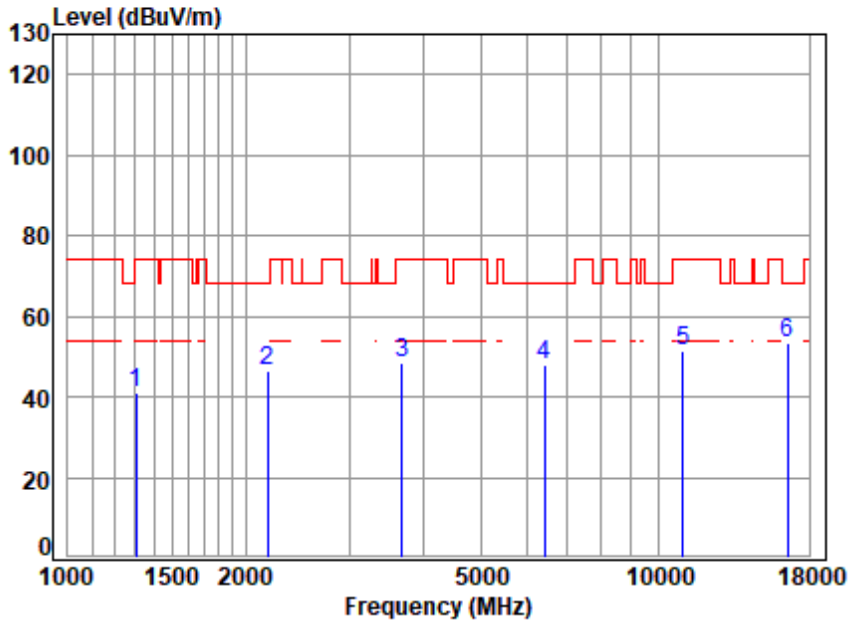


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5700 TX RSE
Note : 5G WIFI 11AC20

	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	1426.916	3.63	24.29	52.81	66.15	41.26	74.00	-32.74	Peak
2	2499.893	5.13	27.40	53.10	67.35	46.78	74.00	-27.22	Peak
3	3757.637	7.26	29.13	52.87	65.54	49.06	74.00	-24.94	Peak
4	6106.616	7.65	32.88	52.88	62.87	50.52	68.20	-17.68	Peak
5	11400.000	11.55	39.68	53.76	53.96	51.43	74.00	-22.57	peak
6	17100.000	14.34	42.14	52.54	48.75	52.69	68.20	-15.51	peak

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

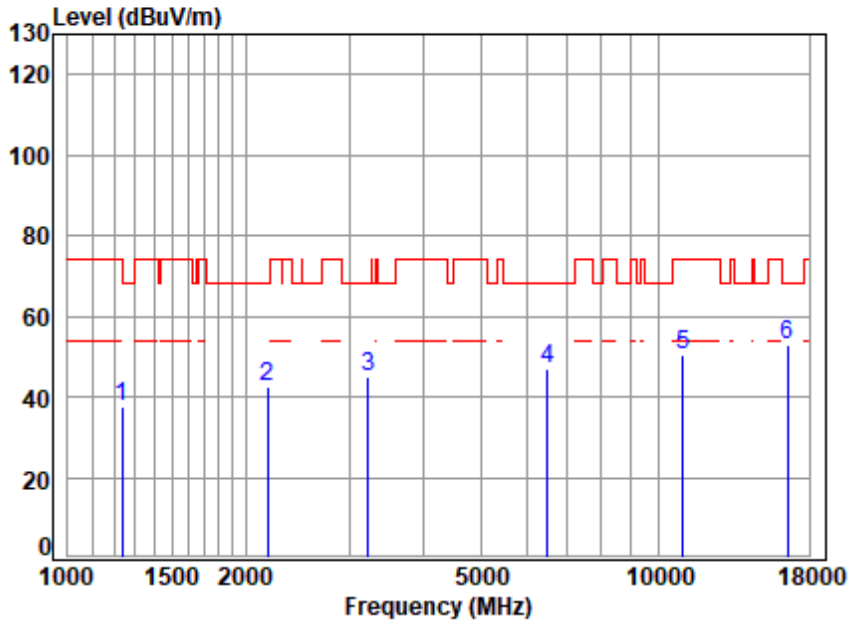


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5510 TX RSE
Note : 5G WIFI 11AC40

	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	1304.623	3.38	24.25	52.73	66.36	41.26	74.00	-32.74	Peak
2	2176.047	4.89	26.65	53.10	67.85	46.29	68.20	-21.91	Peak
3	3682.374	7.18	29.00	52.89	64.99	48.28	74.00	-25.72	Peak
4	6414.167	7.69	34.23	53.10	59.32	48.14	68.20	-20.06	Peak
5	11020.000	11.37	39.60	53.61	53.91	51.27	74.00	-22.73	peak
6	16530.000	14.67	40.03	52.88	51.54	53.36	68.20	-14.84	peak

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Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

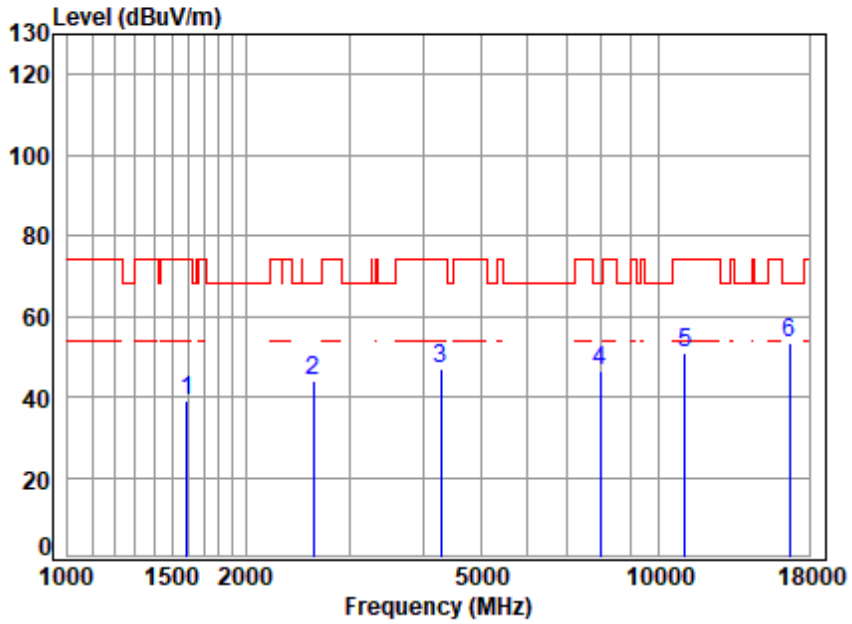


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5510 TX RSE
Note : 5G WIFI 11AC40

	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	1234.909	3.23	24.28	52.68	62.75	37.58	74.00	-36.42	Peak
2	2176.047	4.89	26.65	53.10	63.85	42.29	68.20	-25.91	Peak
3	3223.928	6.31	28.65	53.02	63.26	45.20	68.20	-23.00	Peak
4	6488.754	7.70	34.55	53.16	57.63	46.72	68.20	-21.48	Peak
5	11020.000	11.37	39.60	53.61	52.96	50.32	74.00	-23.68	peak
6	16530.000	14.67	40.03	52.88	51.07	52.89	68.20	-15.31	peak

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:middle

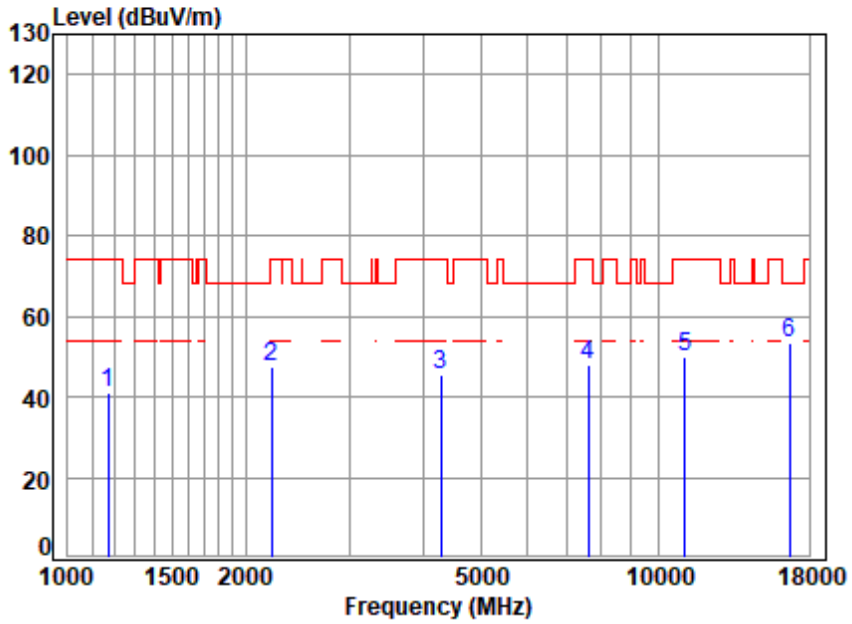


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5550 TX RSE
Note : 5G WIFI 11AC40

	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	1592.571	3.97	24.78	52.90	62.97	38.82	74.00	-35.18	Peak
2	2603.126	5.26	27.67	53.10	64.20	44.03	68.20	-24.17	Peak
3	4291.977	7.48	29.92	52.89	62.29	46.80	74.00	-27.20	Peak
4	7989.893	9.41	36.20	53.60	54.69	46.70	68.20	-21.50	Peak
5	11100.000	11.41	39.62	53.64	53.69	51.08	74.00	-22.92	peak
6	16650.000	14.57	40.43	52.81	50.97	53.16	68.20	-15.04	peak

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Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:middle

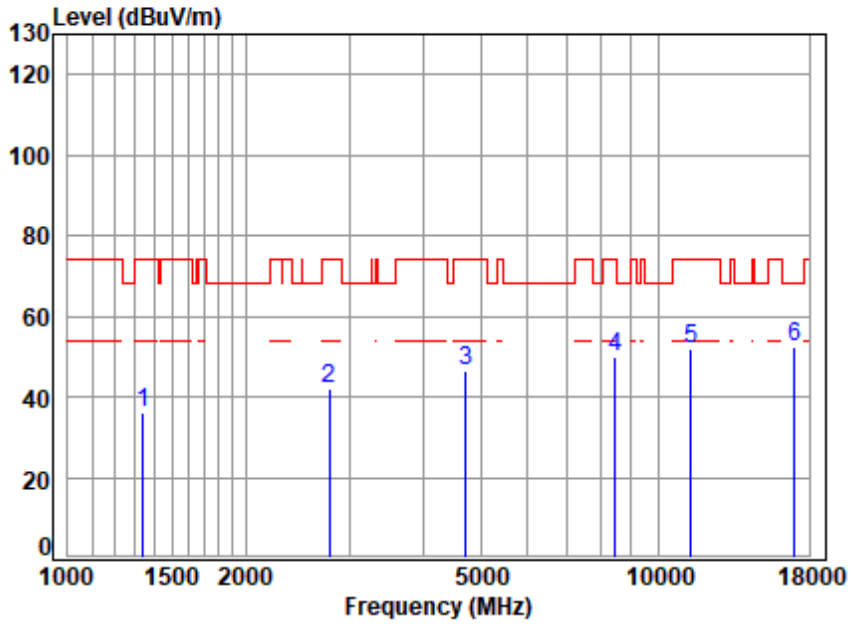


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5550 TX RSE
Note : 5G WIFI 11AC40

	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	1172.303	3.08	24.27	52.64	66.09	40.80	74.00	-33.20	Peak
2	2214.114	4.92	26.75	53.10	68.74	47.31	74.00	-26.69	Peak
3	4279.589	7.48	29.90	52.89	60.93	45.42	74.00	-28.58	Peak
4	7606.788	8.65	36.36	53.56	56.70	48.15	74.00	-25.85	Peak
5	11100.000	11.41	39.62	53.64	52.75	50.14	74.00	-23.86	peak
6	16650.000	14.57	40.43	52.81	51.11	53.30	68.20	-14.90	peak

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

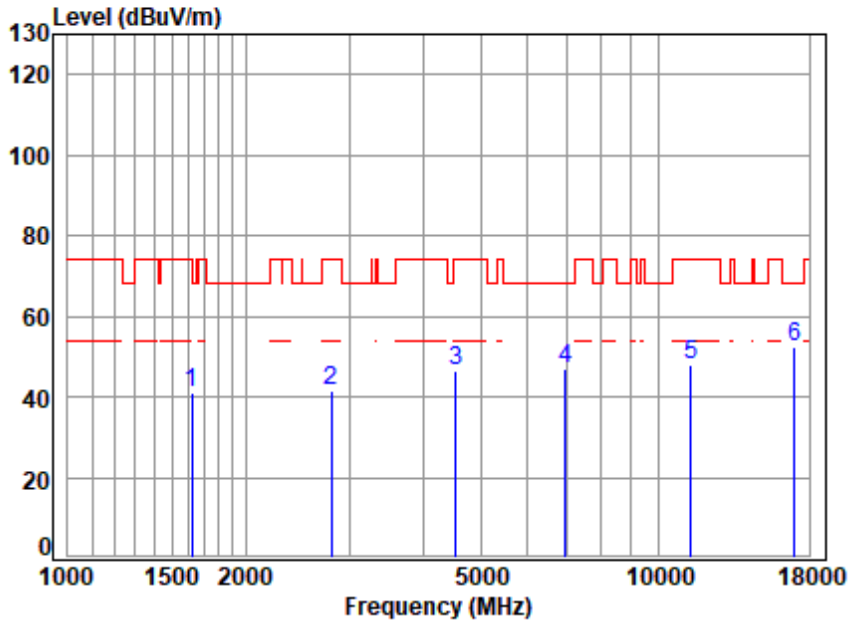


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5670 TX RSE
Note : 5G WIFI 11AC40

	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	1339.006	3.45	24.23	52.75	61.21	36.14	74.00	-37.86	Peak
2	2774.030	5.47	28.08	53.10	61.50	41.95	74.00	-32.05	Peak
3	4721.515	7.85	30.75	53.02	60.91	46.49	74.00	-27.51	Peak
4	8440.945	9.64	36.15	53.87	58.18	50.10	74.00	-23.90	Peak
5	11340.000	11.52	39.67	53.74	54.35	51.80	74.00	-22.20	peak
6	17010.000	14.30	41.65	52.59	48.90	52.26	68.20	-15.94	peak

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Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

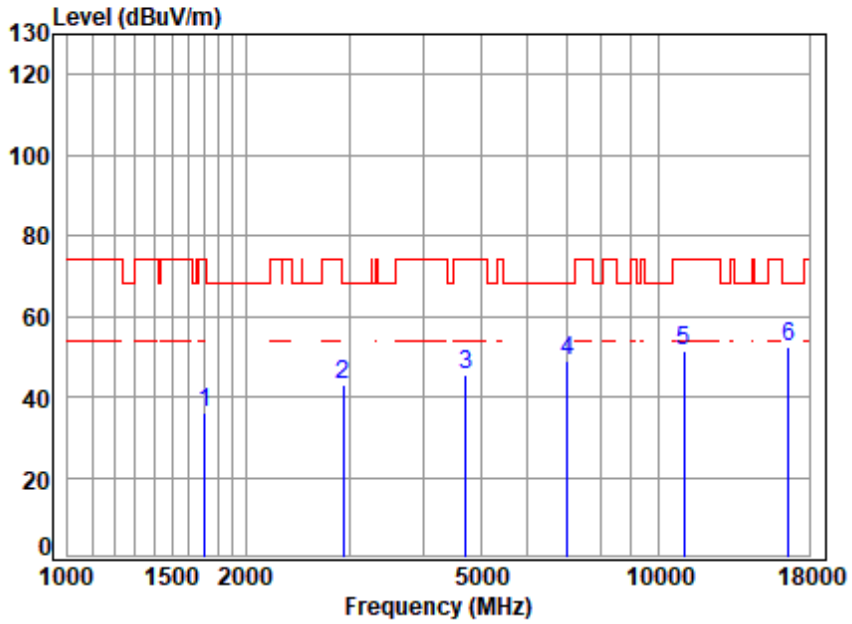


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5670 TX RSE
Note : 5G WIFI 11AC40

	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	1625.121	4.04	24.85	52.92	65.10	41.07	74.00	-32.93	Peak
2	2790.113	5.49	28.12	53.10	61.04	41.55	74.00	-32.45	Peak
3	4534.271	7.53	30.29	52.97	61.42	46.27	74.00	-27.73	Peak
4	6954.852	8.15	35.70	53.47	56.71	47.09	68.20	-21.11	Peak
5	11340.000	11.52	39.67	53.74	50.69	48.14	74.00	-25.86	peak
6	17010.000	14.30	41.65	52.59	49.13	52.49	68.20	-15.71	peak

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low

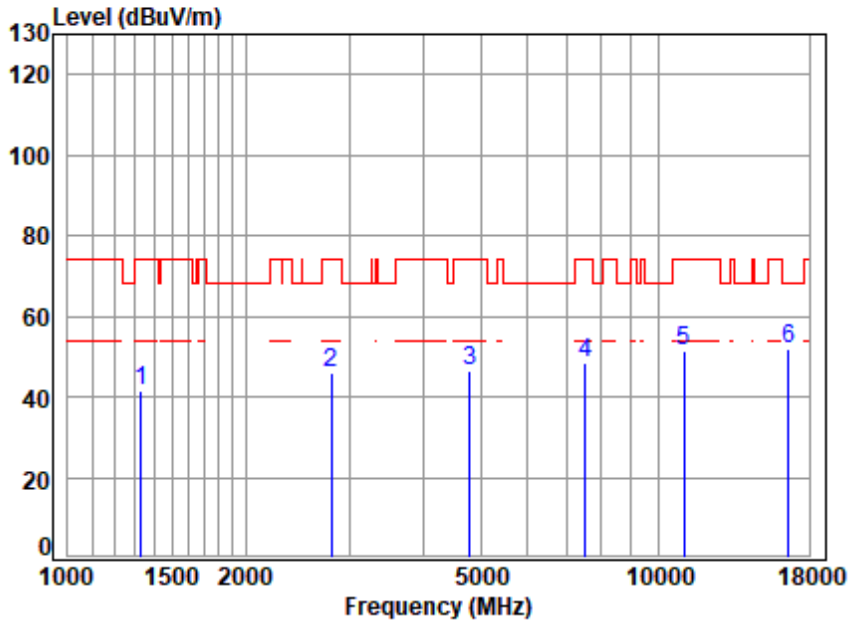


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5530 TX RSE
Note : 5G WIFI 11AC80

	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	1706.968	4.21	25.02	52.96	59.60	35.87	74.00	-38.13	Peak
2	2930.633	5.64	28.45	53.10	62.08	43.07	68.20	-25.13	Peak
3	4721.515	7.85	30.75	53.02	59.91	45.49	74.00	-28.51	Peak
4	7015.420	8.20	35.82	53.50	58.48	49.00	68.20	-19.20	Peak
5	11060.000	11.39	39.61	53.63	53.90	51.27	74.00	-22.73	peak
6	16590.000	14.62	40.23	52.84	50.23	52.24	68.20	-15.96	peak

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Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low

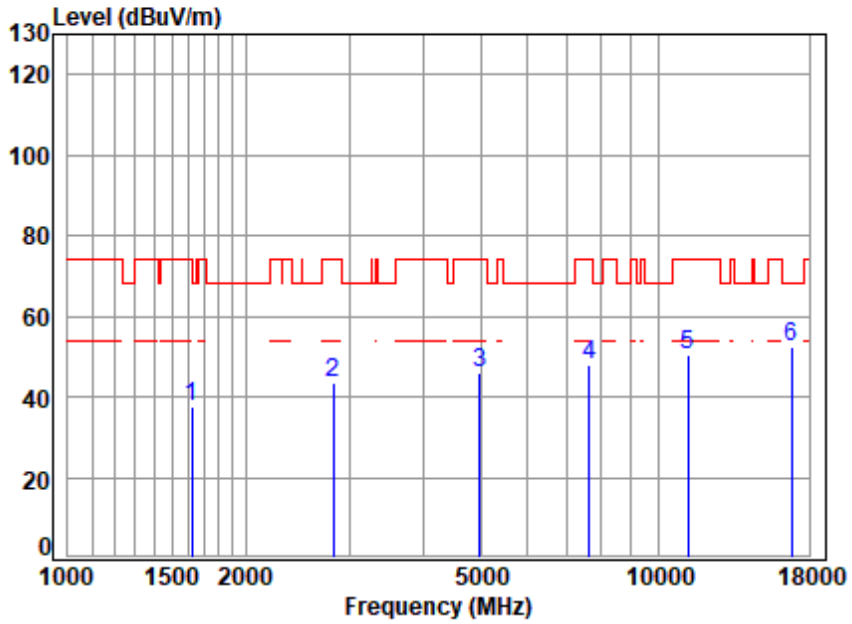


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5530 TX RSE
Note : 5G WIFI 11AC80

	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	1331.288	3.44	24.23	52.75	66.70	41.62	74.00	-32.38	Peak
2	2798.189	5.49	28.14	53.10	65.50	46.03	74.00	-27.97	Peak
3	4790.245	7.96	30.91	53.04	60.40	46.23	74.00	-27.77	Peak
4	7519.349	8.47	36.39	53.55	57.25	48.56	74.00	-25.44	Peak
5	11060.000	11.39	39.61	53.63	54.24	51.61	74.00	-22.39	peak
6	16590.000	14.62	40.23	52.84	49.96	51.97	68.20	-16.23	peak

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:High

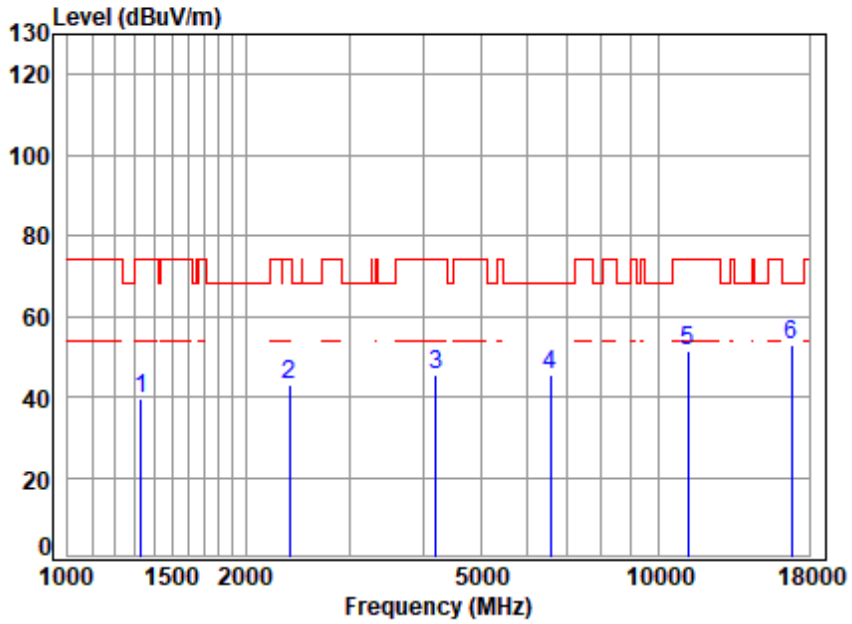


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5610 TX RSE
Note : 5G WIFI 11AC80

	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	1625.121	4.04	24.85	52.92	61.78	37.75	74.00	-36.25	Peak
2	2814.411	5.51	28.18	53.10	62.69	43.28	74.00	-30.72	Peak
3	4988.058	8.28	31.37	53.10	59.17	45.72	74.00	-28.28	Peak
4	7628.806	8.69	36.35	53.56	56.37	47.85	74.00	-26.15	Peak
5	11220.000	11.47	39.65	53.69	52.88	50.31	74.00	-23.69	peak
6	16830.000	14.43	41.04	52.70	49.49	52.26	68.20	-15.94	peak

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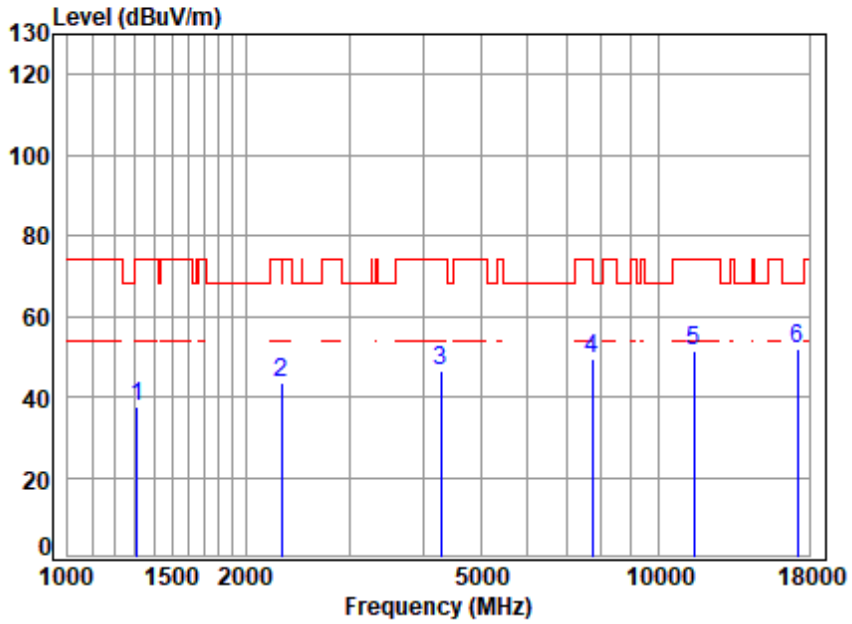


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5610 TX RSE
Note : 5G WIFI 11AC80

	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	1331.288	3.44	24.23	52.75	64.70	39.62	74.00	-34.38	Peak
2	2373.157	5.04	27.12	53.10	63.88	42.94	74.00	-31.06	Peak
3	4206.011	7.48	29.80	52.87	61.19	45.60	74.00	-28.40	Peak
4	6564.209	7.76	34.76	53.21	56.18	45.49	68.20	-22.71	Peak
5	11220.000	11.47	39.65	53.69	53.95	51.38	74.00	-22.62	peak
6	16830.000	14.43	41.04	52.70	49.94	52.71	68.20	-15.49	peak

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Test Mode: 07; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

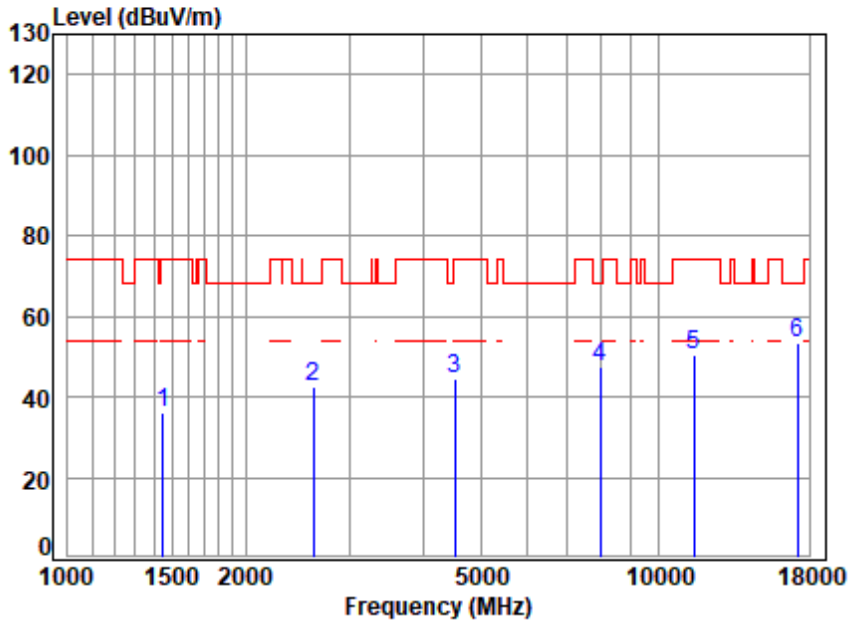


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5745 TX RSE
Note : 5G WIFI 11A

	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	1312.187	3.40	24.24	52.74	62.75	37.65	74.00	-36.35	Peak
2	2305.546	4.99	26.96	53.10	64.72	43.57	68.20	-24.63	Peak
3	4279.589	7.48	29.90	52.89	62.05	46.54	74.00	-27.46	Peak
4	7717.518	8.87	36.31	53.57	58.00	49.61	74.00	-24.39	Peak
5	11490.000	11.60	39.70	53.80	53.93	51.43	74.00	-22.57	peak
6	17235.000	14.39	42.87	52.46	46.97	51.77	68.20	-16.43	peak

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Test Mode: 07; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

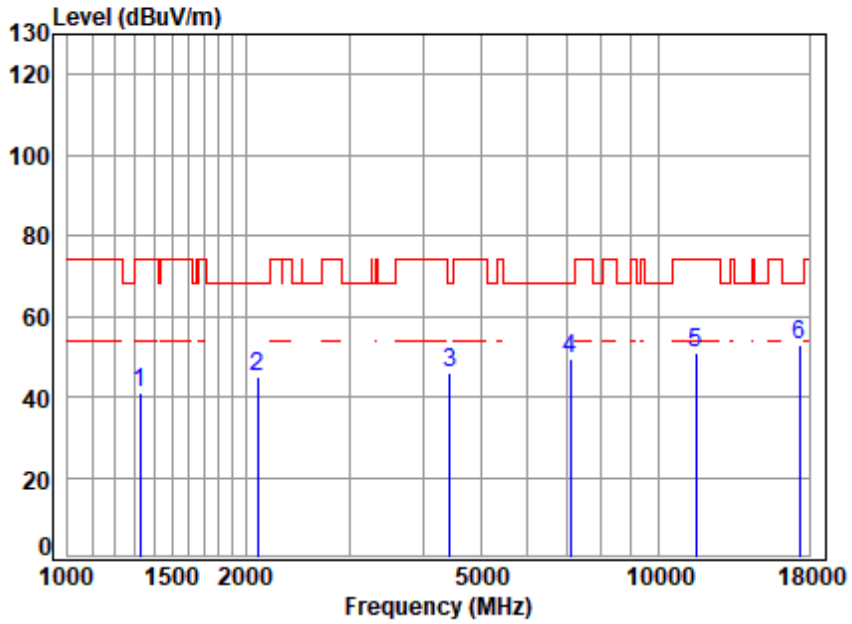


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5745 TX RSE
Note : 5G WIFI 11A

	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	1451.878	3.68	24.36	52.82	60.72	35.94	74.00	-38.06	Peak
2	2603.126	5.26	27.67	53.10	62.67	42.50	68.20	-25.70	Peak
3	4521.185	7.51	30.25	52.96	59.60	44.40	74.00	-29.60	Peak
4	7989.893	9.41	36.20	53.60	55.62	47.63	68.20	-20.57	Peak
5	11490.000	11.60	39.70	53.80	52.96	50.46	74.00	-23.54	peak
6	17235.000	14.39	42.87	52.46	48.36	53.16	68.20	-15.04	peak

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Test Mode: 07; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle

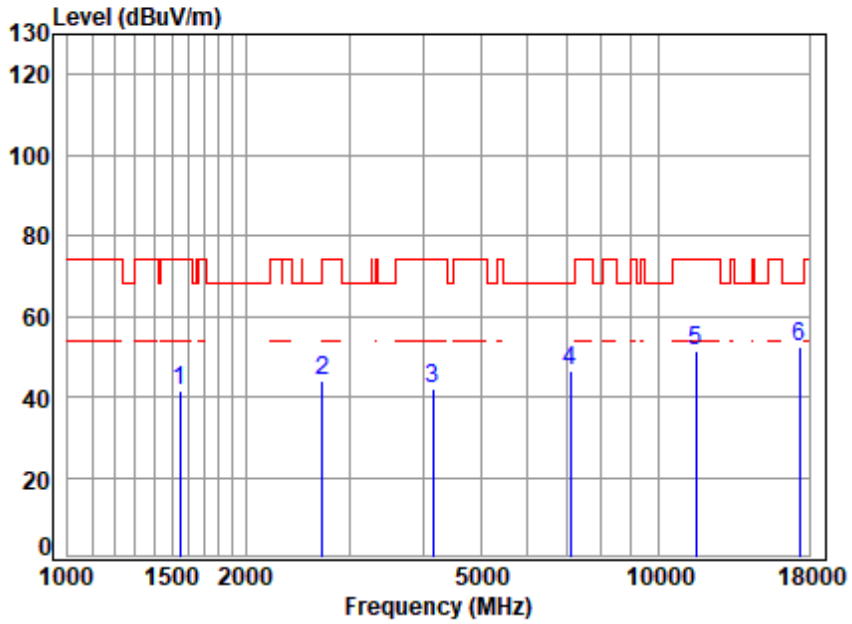


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5785 TX RSE
Note : 5G WIFI 11A

	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	1327.446	3.43	24.23	52.75	66.15	41.06	74.00	-32.94	Peak
2	2095.800	4.83	26.45	53.10	67.05	45.23	68.20	-22.97	Peak
3	4430.628	7.47	30.11	52.94	61.45	46.09	68.20	-22.11	Peak
4	7096.999	8.24	35.92	53.51	58.83	49.48	68.20	-18.72	Peak
5	11570.000	11.60	39.72	53.83	53.65	51.14	74.00	-22.86	peak
6	17355.000	14.44	43.52	52.38	47.20	52.78	68.20	-15.42	peak

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Member of the SGS Group (SGS SA)

Test Mode: 07; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle

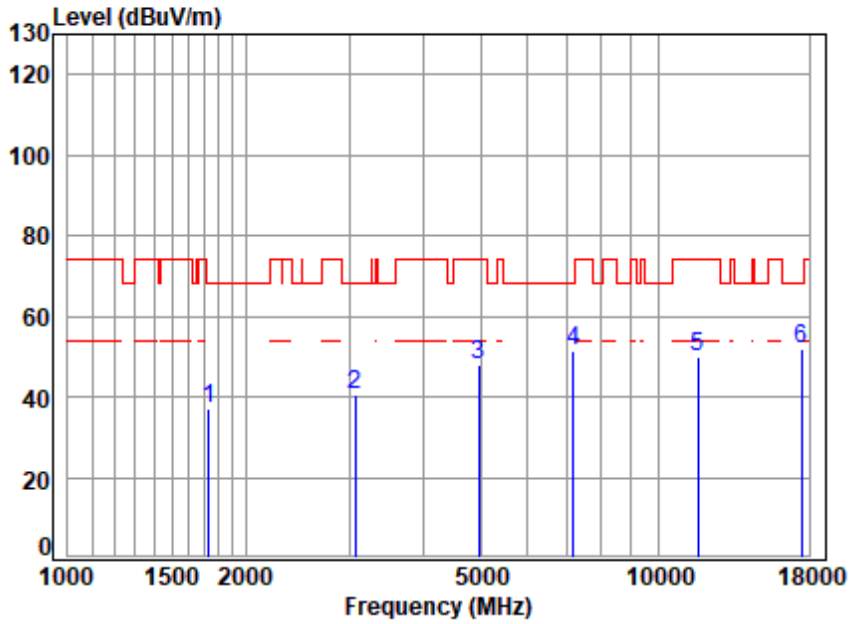


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5785 TX RSE
Note : 5G WIFI 11A

	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	1547.199	3.88	24.65	52.88	65.69	41.34	74.00	-32.66	Peak
2	2702.799	5.38	27.91	53.10	63.81	44.00	74.00	-30.00	Peak
3	4145.664	7.48	29.71	52.85	57.67	42.01	74.00	-31.99	Peak
4	7096.999	8.24	35.92	53.51	55.83	46.48	68.20	-21.72	Peak
5	11570.000	11.60	39.72	53.83	53.74	51.23	74.00	-22.77	peak
6	17355.000	14.44	43.52	52.38	46.64	52.22	68.20	-15.98	peak

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Test Mode: 07; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High

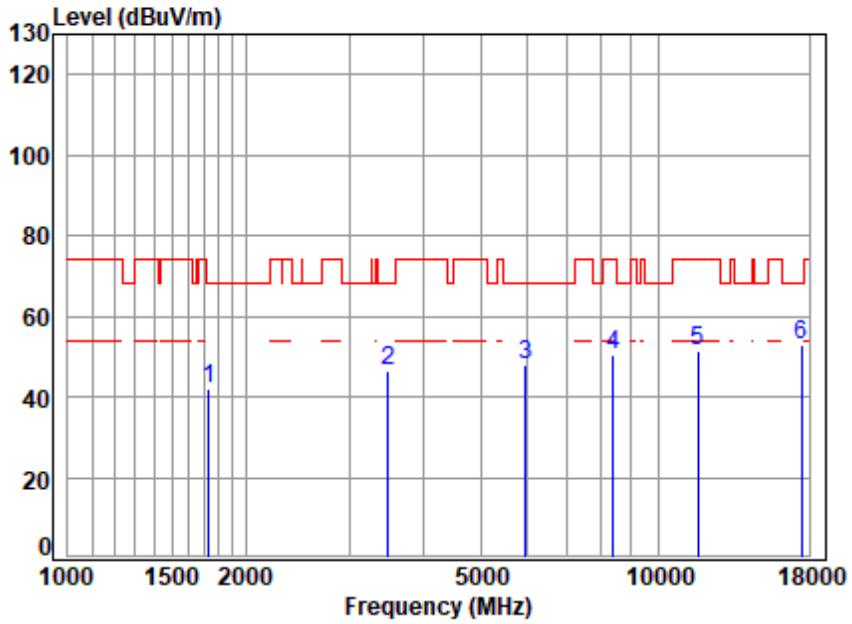


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5825 TX RSE
Note : 5G WIFI 11A

	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	1731.816	4.26	25.07	52.98	60.82	37.17	68.20	-31.03	Peak
2	3069.345	5.91	28.61	53.08	59.12	40.56	68.20	-27.64	Peak
3	4959.307	8.24	31.31	53.09	61.62	48.08	74.00	-25.92	Peak
4	7179.527	8.28	36.02	53.52	60.39	51.17	68.20	-17.03	Peak
5	11650.000	11.60	39.73	53.86	52.33	49.80	74.00	-24.20	peak
6	17475.000	14.48	44.16	52.31	45.54	51.87	68.20	-16.33	peak

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Test Mode: 07; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High

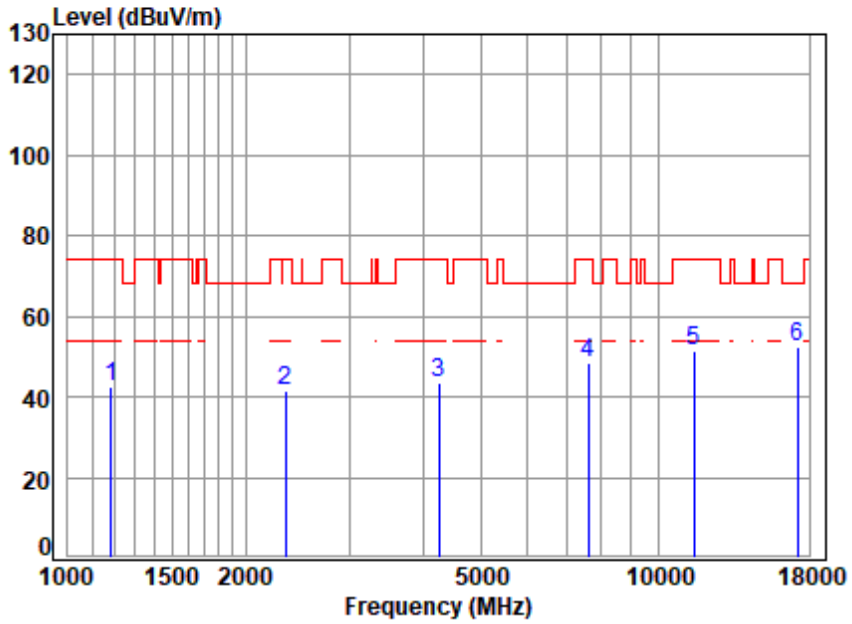


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5825 TX RSE
Note : 5G WIFI 11A

	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	1731.816	4.26	25.07	52.98	65.82	42.17	68.20	-26.03	Peak
2	3485.601	6.96	28.70	52.94	63.85	46.57	68.20	-21.63	Peak
3	5967.033	7.68	32.41	52.81	60.52	47.80	68.20	-20.40	Peak
4	8392.292	9.62	36.16	53.84	58.25	50.19	74.00	-23.81	Peak
5	11650.000	11.60	39.73	53.86	53.94	51.41	74.00	-22.59	peak
6	17475.000	14.48	44.16	52.31	46.44	52.77	68.20	-15.43	peak

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Test Mode: 07; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

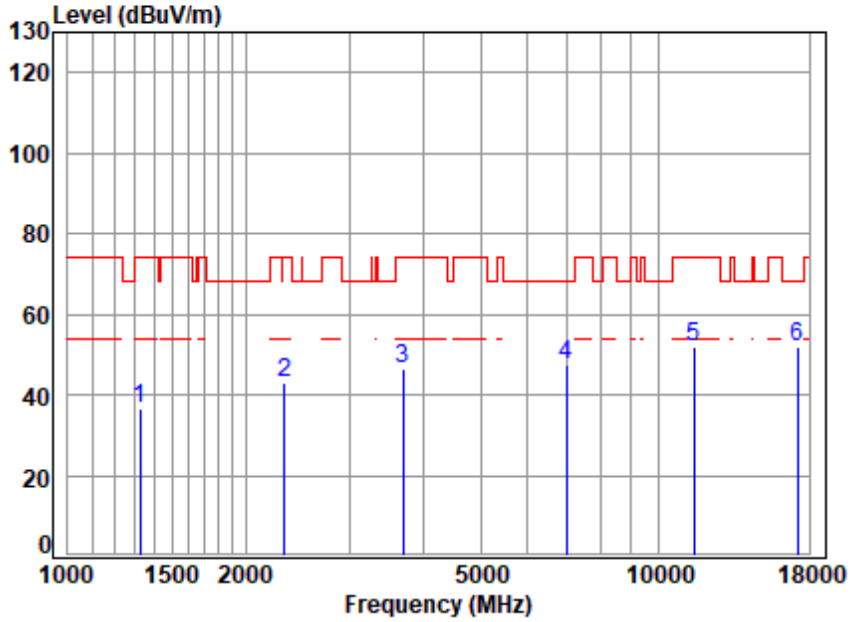


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5745 TX RSE
Note : 5G WIFI 11N20

	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	1185.936	3.12	24.29	52.65	67.62	42.38	74.00	-31.62	Peak
2	2339.107	5.02	27.04	53.10	62.67	41.63	74.00	-32.37	Peak
3	4254.921	7.48	29.87	52.88	59.09	43.56	74.00	-30.44	Peak
4	7606.788	8.65	36.36	53.56	57.17	48.62	74.00	-25.38	Peak
5	11490.000	11.60	39.70	53.80	53.96	51.46	74.00	-22.54	peak
6	17235.000	14.39	42.87	52.46	47.61	52.41	68.20	-15.79	peak

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Test Mode: 07; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

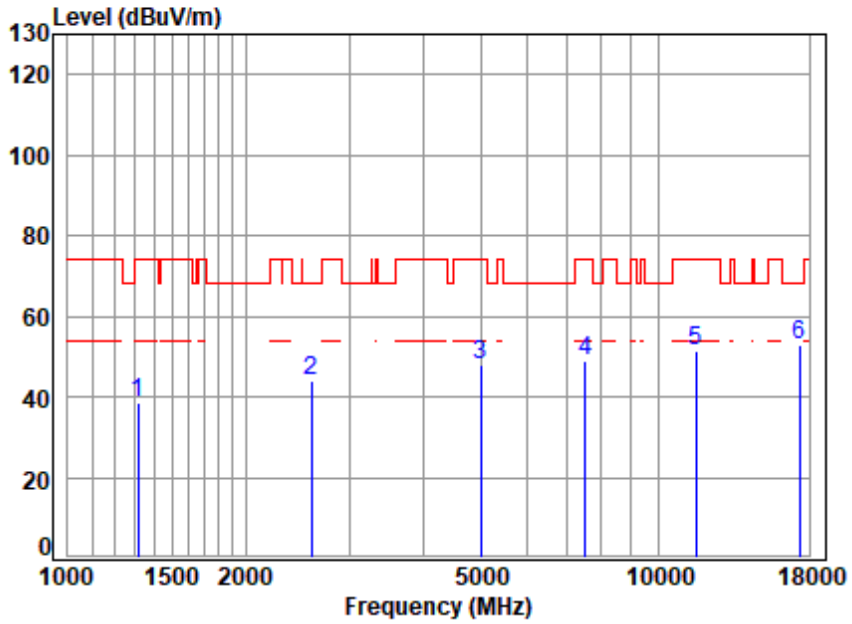


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5745 TX RSE
Note : 5G WIFI 11N20

	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	1327.446	3.43	24.23	52.75	61.79	36.70	74.00	-37.30	Peak
2	2325.624	5.01	27.01	53.10	64.05	42.97	74.00	-31.03	Peak
3	3693.033	7.19	29.02	52.88	63.14	46.47	74.00	-27.53	Peak
4	6974.982	8.17	35.74	53.48	56.96	47.39	68.20	-20.81	Peak
5	11490.000	11.60	39.70	53.80	54.36	51.86	74.00	-22.14	peak
6	17235.000	14.39	42.87	52.46	46.86	51.66	68.20	-16.54	peak

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Test Mode: 07; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle

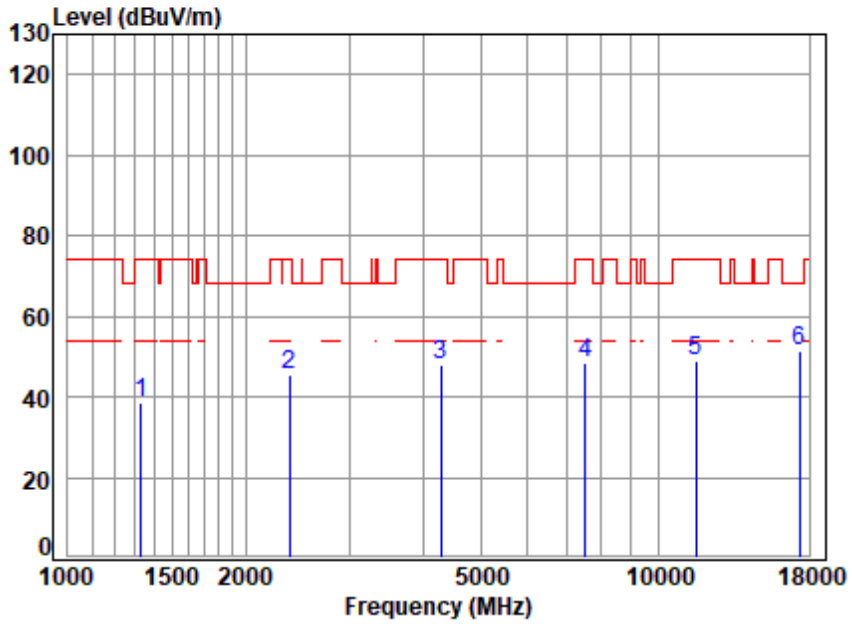


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5785 TX RSE
Note : 5G WIFI 11N20

	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	1315.985	3.41	24.24	52.74	63.41	38.32	74.00	-35.68	Peak
2	2588.122	5.24	27.63	53.10	64.03	43.80	68.20	-24.40	Peak
3	5002.497	8.30	31.41	53.10	61.50	48.11	74.00	-25.89	Peak
4	7519.349	8.47	36.39	53.55	57.85	49.16	74.00	-24.84	Peak
5	11570.000	11.60	39.72	53.83	53.75	51.24	74.00	-22.76	peak
6	17355.000	14.44	43.52	52.38	47.15	52.73	68.20	-15.47	peak

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Test Mode: 07; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle

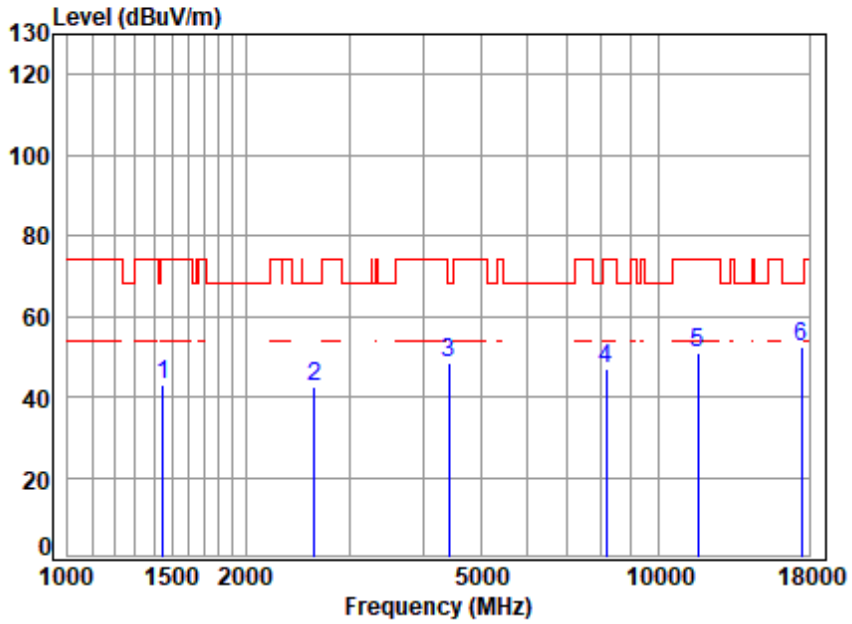


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5785 TX RSE
Note : 5G WIFI 11N20

	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	1331.288	3.44	24.23	52.75	63.49	38.41	74.00	-35.59	Peak
2	2373.157	5.04	27.12	53.10	66.63	45.69	74.00	-28.31	Peak
3	4279.589	7.48	29.90	52.89	63.21	47.70	74.00	-26.30	Peak
4	7519.349	8.47	36.39	53.55	57.17	48.48	74.00	-25.52	Peak
5	11570.000	11.60	39.72	53.83	51.68	49.17	74.00	-24.83	peak
6	17355.000	14.44	43.52	52.38	45.78	51.36	68.20	-16.84	peak

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Test Mode: 07; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High

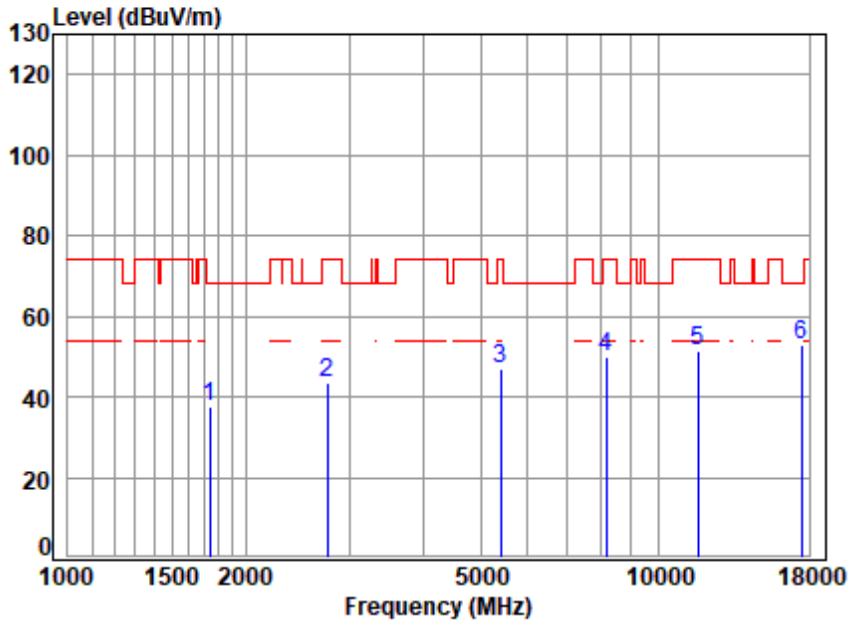


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5825 TX RSE
Note : 5G WIFI 11N20

	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	1451.878	3.68	24.36	52.82	67.54	42.76	74.00	-31.24	Peak
2	2618.218	5.28	27.70	53.10	62.45	42.33	68.20	-25.87	Peak
3	4417.841	7.47	30.09	52.93	63.95	48.58	68.20	-19.62	Peak
4	8176.795	9.52	36.18	53.71	54.90	46.89	74.00	-27.11	Peak
5	11650.000	11.60	39.73	53.86	53.37	50.84	74.00	-23.16	peak
6	17475.000	14.48	44.16	52.31	46.02	52.35	68.20	-15.85	peak

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Test Mode: 07; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High

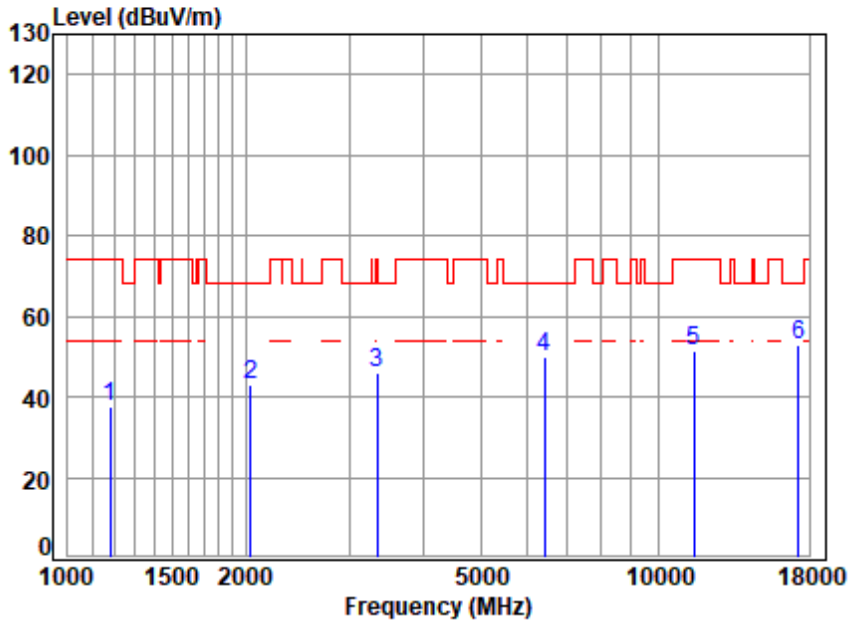


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5825 TX RSE
Note : 5G WIFI 11N20

	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	1736.829	4.27	25.08	52.98	61.07	37.44	68.20	-30.76	Peak
2	2750.080	5.44	28.03	53.10	63.19	43.56	74.00	-30.44	Peak
3	5408.529	8.28	32.39	52.97	59.34	47.04	74.00	-26.96	Peak
4	8176.795	9.52	36.18	53.71	57.90	49.89	74.00	-24.11	Peak
5	11650.000	11.60	39.73	53.86	54.06	51.53	74.00	-22.47	peak
6	17475.000	14.48	44.16	52.31	46.48	52.81	68.20	-15.39	peak

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Test Mode: 07; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

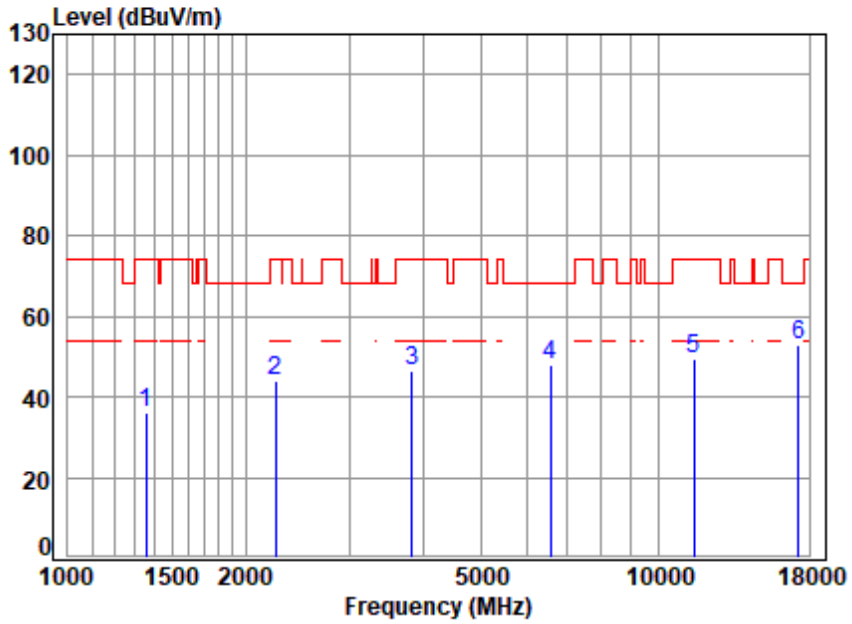


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5755 TX RSE
Note : 5G WIFI 11N40

	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	1179.100	3.10	24.28	52.64	62.59	37.33	74.00	-36.67	Peak
2	2041.984	4.79	26.31	53.10	65.22	43.22	68.20	-24.98	Peak
3	3337.710	6.60	28.67	52.99	63.57	45.85	74.00	-28.15	Peak
4	6414.167	7.69	34.23	53.10	60.98	49.80	68.20	-18.40	Peak
5	11510.000	11.60	39.70	53.81	54.16	51.65	74.00	-22.35	peak
6	17265.000	14.40	43.03	52.44	48.13	53.12	68.20	-15.08	peak

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Test Mode: 07; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

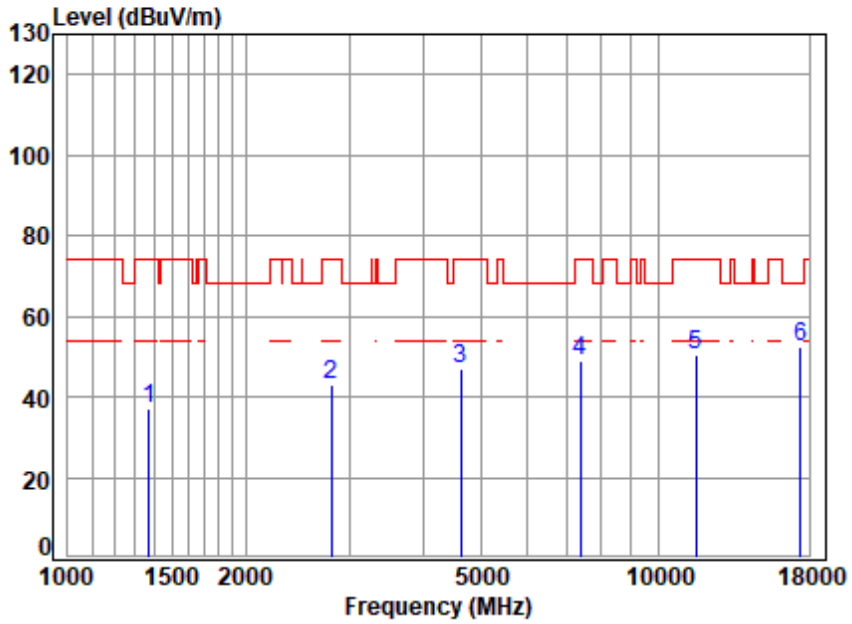


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5755 TX RSE
Note : 5G WIFI 11N40

	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	1358.498	3.49	24.22	52.77	61.02	35.96	74.00	-38.04	Peak
2	2246.344	4.95	26.82	53.10	65.31	43.98	74.00	-30.02	Peak
3	3834.438	7.33	29.25	52.84	62.48	46.22	74.00	-27.78	Peak
4	6564.209	7.76	34.76	53.21	58.73	48.04	68.20	-20.16	Peak
5	11510.000	11.60	39.70	53.81	51.86	49.35	74.00	-24.65	peak
6	17265.000	14.40	43.03	52.44	47.87	52.86	68.20	-15.34	peak

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Test Mode: 07; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High

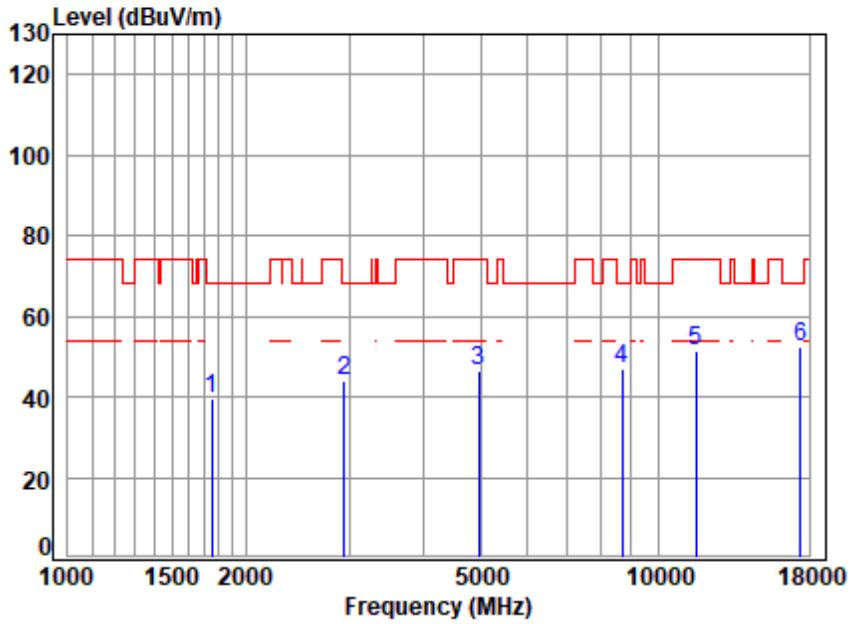


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5795 TX RSE
Note : 5G WIFI 11N40

	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	1374.295	3.53	24.21	52.78	62.08	37.04	74.00	-36.96	Peak
2	2790.113	5.49	28.12	53.10	62.50	43.01	74.00	-30.99	Peak
3	4626.946	7.69	30.52	53.00	61.94	47.15	74.00	-26.85	Peak
4	7390.070	8.38	36.27	53.54	57.85	48.96	74.00	-25.04	Peak
5	11590.000	11.60	39.72	53.84	52.79	50.27	74.00	-23.73	peak
6	17385.000	14.45	43.68	52.36	46.77	52.54	68.20	-15.66	peak

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Member of the SGS Group (SGS SA)

Test Mode: 07; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High

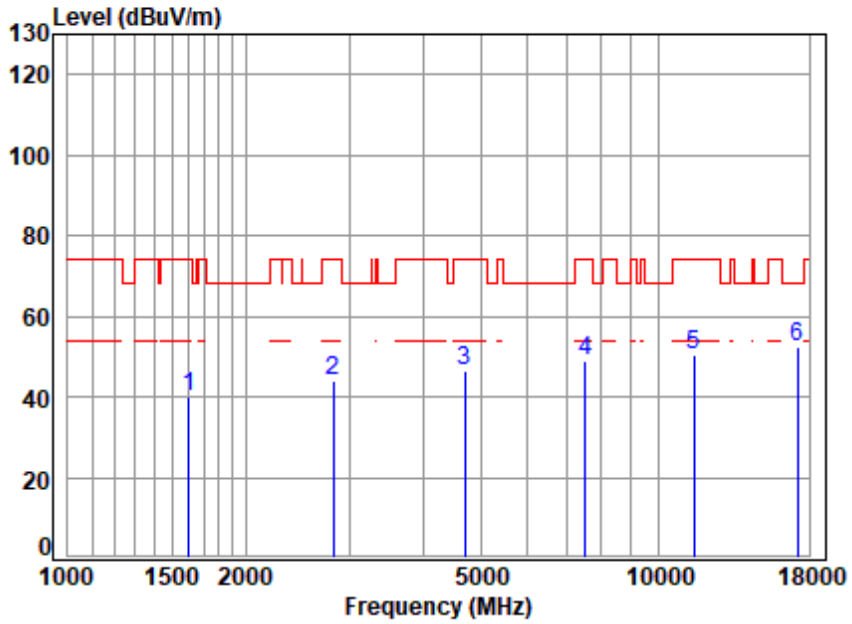


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5795 TX RSE
Note : 5G WIFI 11N40

	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	1751.955	4.30	25.11	52.99	63.16	39.58	68.20	-28.62	Peak
2	2939.115	5.65	28.47	53.10	62.76	43.78	68.20	-24.42	Peak
3	4973.662	8.26	31.34	53.09	60.08	46.59	74.00	-27.41	Peak
4	8688.480	10.08	36.13	54.02	54.94	47.13	68.20	-21.07	Peak
5	11590.000	11.60	39.72	53.84	53.87	51.35	74.00	-22.65	peak
6	17385.000	14.45	43.68	52.36	46.69	52.46	68.20	-15.74	peak

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Test Mode: 07; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

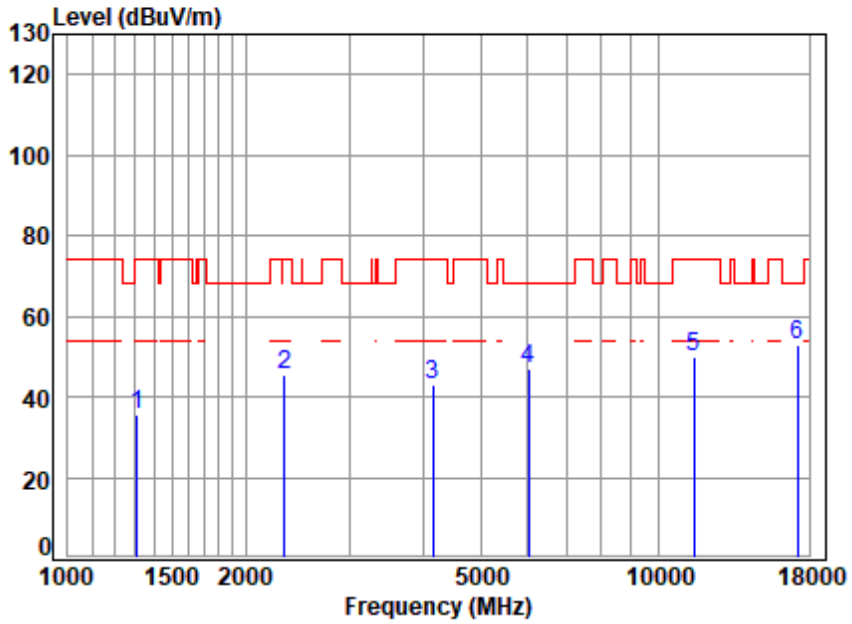


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5745 TX RSE
Note : 5G WIFI 11AC20

	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	1601.804	3.99	24.80	52.91	64.27	40.15	74.00	-33.85	Peak
2	2814.411	5.51	28.18	53.10	63.32	43.91	74.00	-30.09	Peak
3	4694.299	7.80	30.68	53.02	60.97	46.43	74.00	-27.57	Peak
4	7519.349	8.47	36.39	53.55	57.65	48.96	74.00	-25.04	Peak
5	11490.000	11.60	39.70	53.80	53.00	50.50	74.00	-23.50	peak
6	17235.000	14.39	42.87	52.46	47.81	52.61	68.20	-15.59	peak

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Test Mode: 07; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

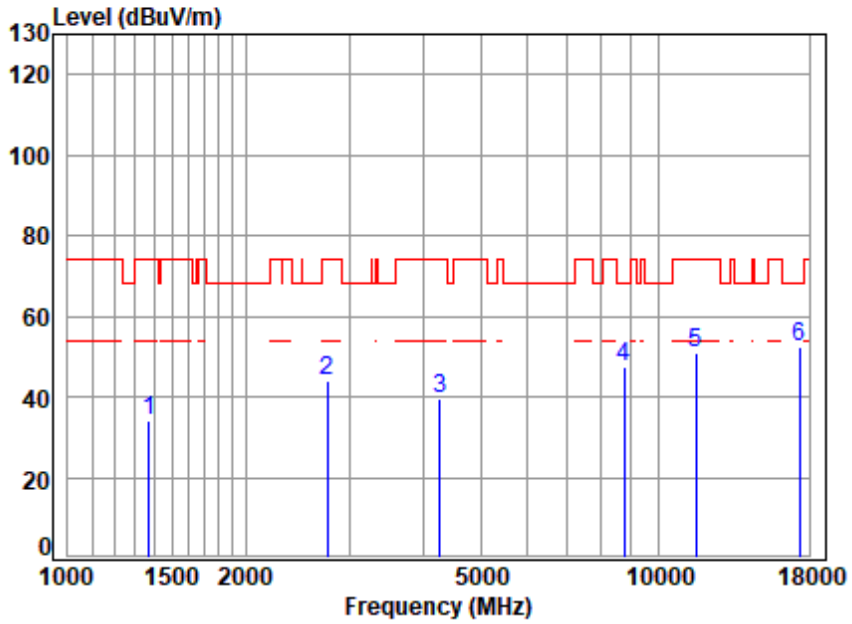


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5745 TX RSE
Note : 5G WIFI 11AC20

	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	1312.187	3.40	24.24	52.74	60.86	35.76	74.00	-38.24	Peak
2	2325.624	5.01	27.01	53.10	66.49	45.41	74.00	-28.59	Peak
3	4145.664	7.48	29.71	52.85	58.47	42.81	74.00	-31.19	Peak
4	6018.999	7.64	32.49	52.81	59.70	47.02	68.20	-21.18	Peak
5	11490.000	11.60	39.70	53.80	52.56	50.06	74.00	-23.94	peak
6	17235.000	14.39	42.87	52.46	48.19	52.99	68.20	-15.21	peak

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Test Mode: 07; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle

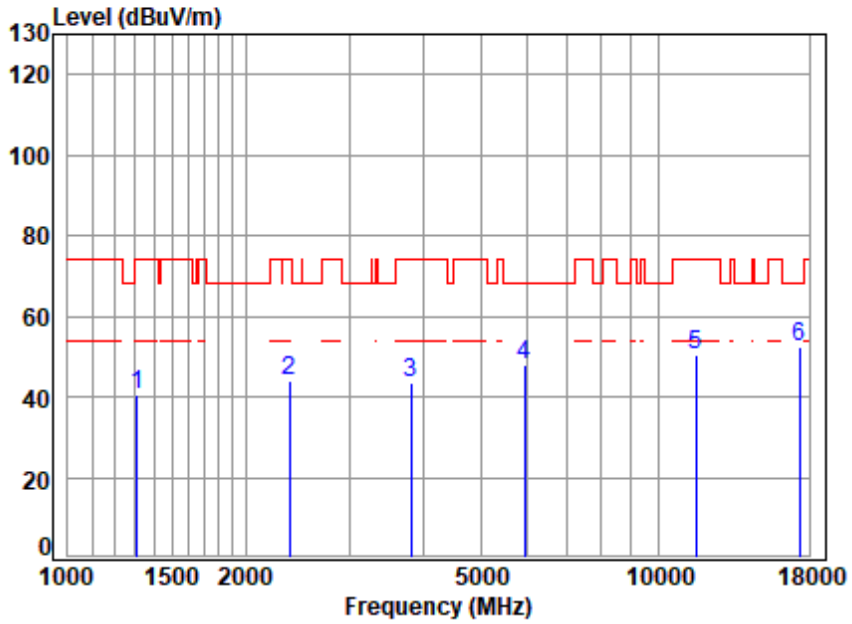


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5785 TX RSE
Note : 5G WIFI 11AC20

	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	1374.295	3.53	24.21	52.78	59.25	34.21	74.00	-39.79	Peak
2	2750.080	5.44	28.03	53.10	63.43	43.80	74.00	-30.20	Peak
3	4267.237	7.48	29.88	52.89	54.92	39.39	74.00	-34.61	Peak
4	8764.146	10.25	36.12	54.06	54.90	47.21	68.20	-20.99	Peak
5	11570.000	11.60	39.72	53.83	53.62	51.11	74.00	-22.89	peak
6	17355.000	14.44	43.52	52.38	46.78	52.36	68.20	-15.84	peak

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Test Mode: 07; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle

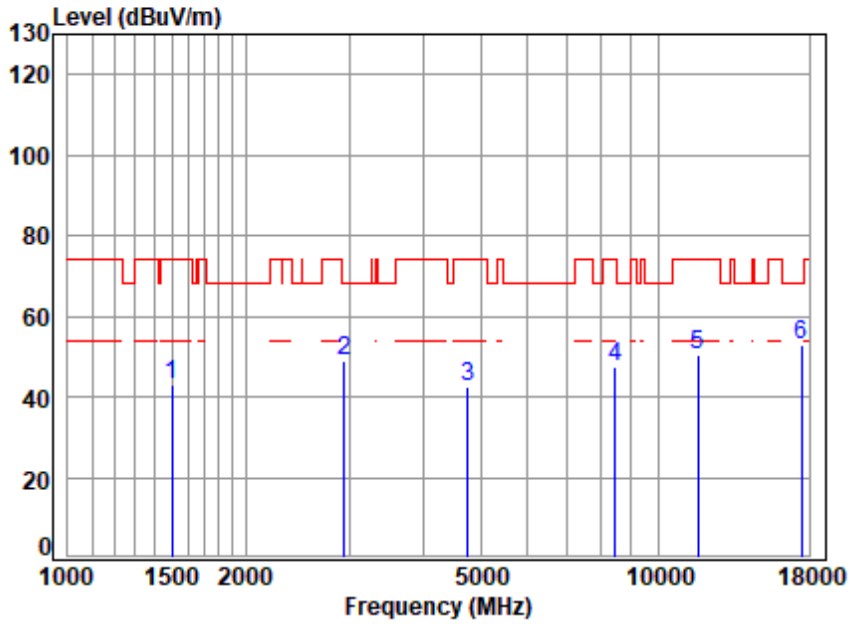


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5785 TX RSE
Note : 5G WIFI 11AC20

	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	1312.187	3.40	24.24	52.74	65.86	40.76	74.00	-33.24	Peak
2	2373.157	5.04	27.12	53.10	65.13	44.19	74.00	-29.81	Peak
3	3812.336	7.31	29.21	52.85	59.60	43.27	74.00	-30.73	Peak
4	5932.638	7.72	32.43	52.82	60.45	47.78	68.20	-20.42	Peak
5	11570.000	11.60	39.72	53.83	53.01	50.50	74.00	-23.50	peak
6	17355.000	14.44	43.52	52.38	46.83	52.41	68.20	-15.79	peak

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Test Mode: 07; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High

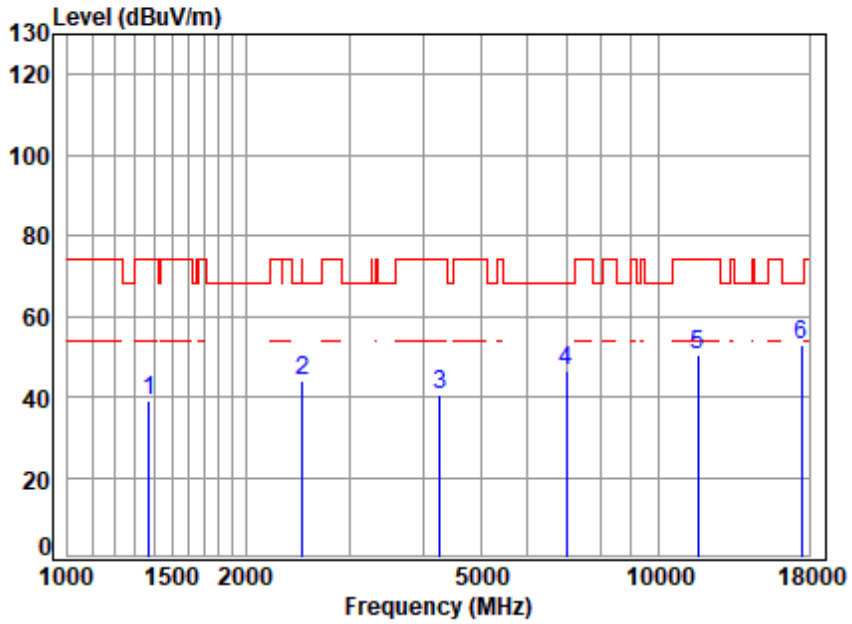


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5825 TX RSE
Note : 5G WIFI 11AC20

	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	1498.781	3.77	24.51	52.85	67.74	43.17	74.00	-30.83	Peak
2	2939.115	5.65	28.47	53.10	67.76	48.78	68.20	-19.42	Peak
3	4762.633	7.92	30.85	53.03	57.01	42.75	74.00	-31.25	Peak
4	8440.945	9.64	36.15	53.87	55.35	47.27	74.00	-26.73	Peak
5	11650.000	11.60	39.73	53.86	52.71	50.18	74.00	-23.82	peak
6	17475.000	14.48	44.16	52.31	46.52	52.85	68.20	-15.35	peak

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Test Mode: 07; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High

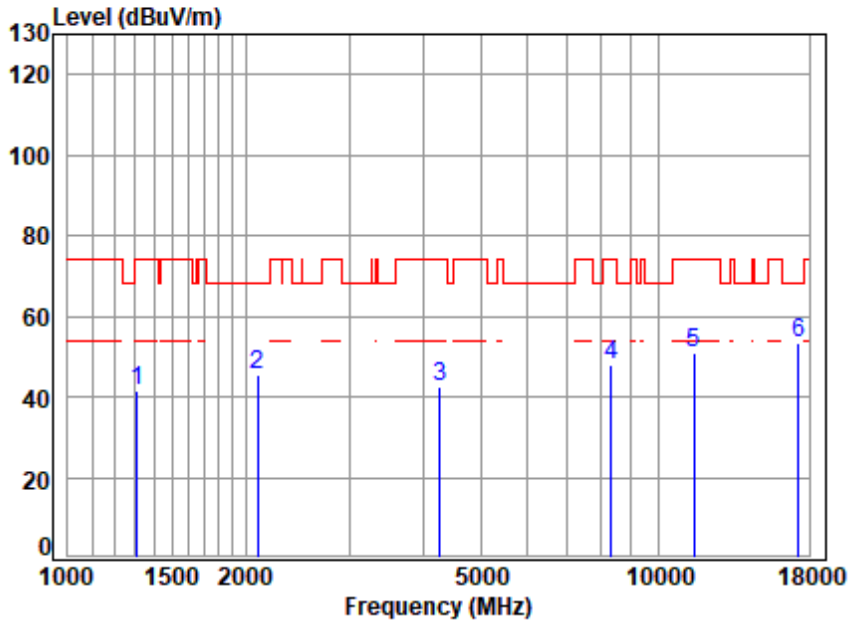


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5825 TX RSE
Note : 5G WIFI 11AC20

	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	1374.295	3.53	24.21	52.78	64.25	39.21	74.00	-34.79	Peak
2	2499.893	5.13	27.40	53.10	64.52	43.95	74.00	-30.05	Peak
3	4267.237	7.48	29.88	52.89	55.92	40.39	74.00	-33.61	Peak
4	6995.172	8.19	35.79	53.50	55.88	46.36	68.20	-21.84	Peak
5	11650.000	11.60	39.73	53.86	52.71	50.18	74.00	-23.82	peak
6	17475.000	14.48	44.16	52.31	46.52	52.85	68.20	-15.35	peak

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Test Mode: 07; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

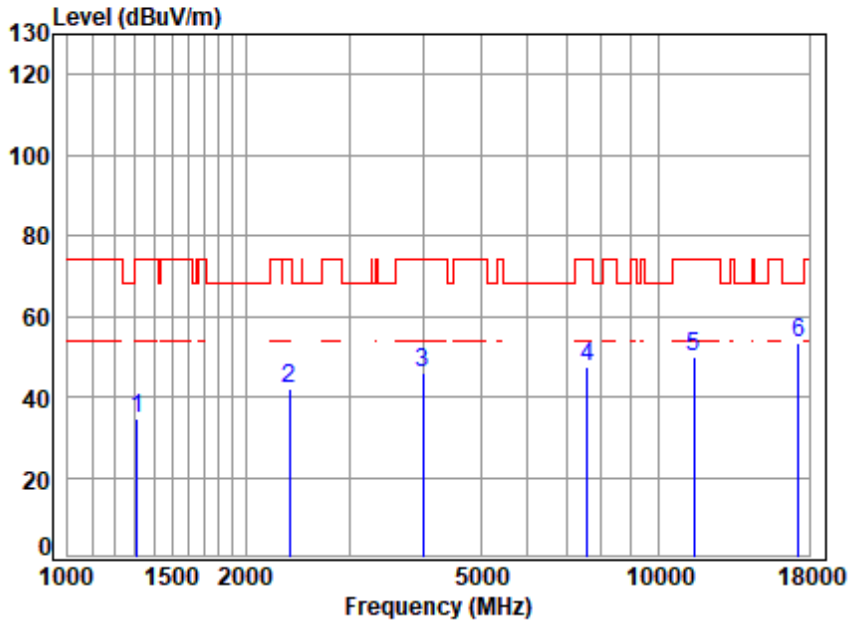


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5755 TX RSE
Note : 5G WIFI 11AC40

	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	1312.187	3.40	24.24	52.74	66.86	41.76	74.00	-32.24	Peak
2	2095.800	4.83	26.45	53.10	67.34	45.52	68.20	-22.68	Peak
3	4267.237	7.48	29.88	52.89	57.92	42.39	74.00	-31.61	Peak
4	8319.836	9.59	36.17	53.80	55.77	47.73	74.00	-26.27	Peak
5	11510.000	11.60	39.70	53.81	53.46	50.95	74.00	-23.05	peak
6	17265.000	14.40	43.03	52.44	48.31	53.30	68.20	-14.90	peak

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Test Mode: 07; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

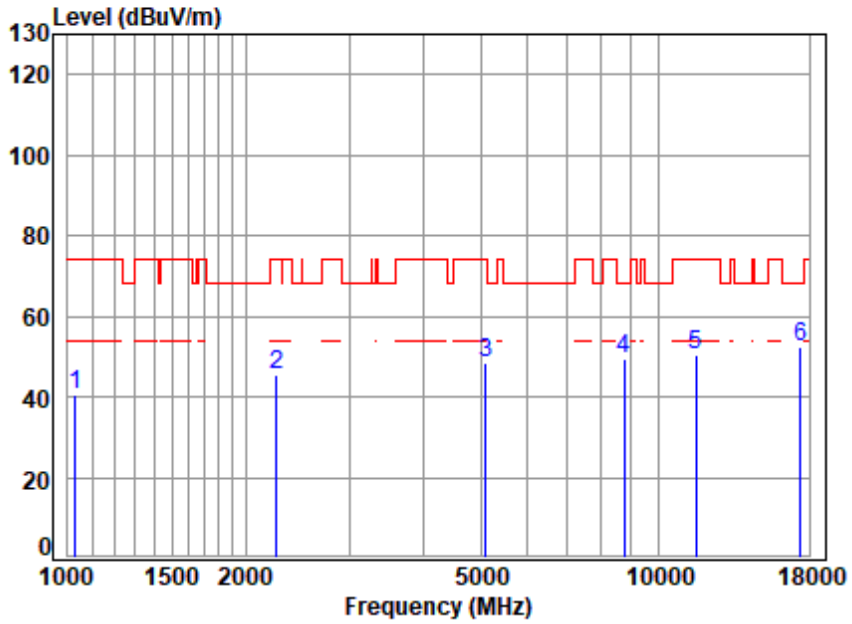


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5755 TX RSE
Note : 5G WIFI 11AC40

	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	1312.187	3.40	24.24	52.74	59.86	34.76	74.00	-39.24	Peak
2	2373.157	5.04	27.12	53.10	63.13	42.19	74.00	-31.81	Peak
3	3992.781	7.48	29.49	52.80	61.66	45.83	74.00	-28.17	Peak
4	7584.833	8.60	36.37	53.56	56.05	47.46	74.00	-26.54	Peak
5	11510.000	11.60	39.70	53.81	52.51	50.00	74.00	-24.00	peak
6	17265.000	14.40	43.03	52.44	48.21	53.20	68.20	-15.00	peak

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Test Mode: 07; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

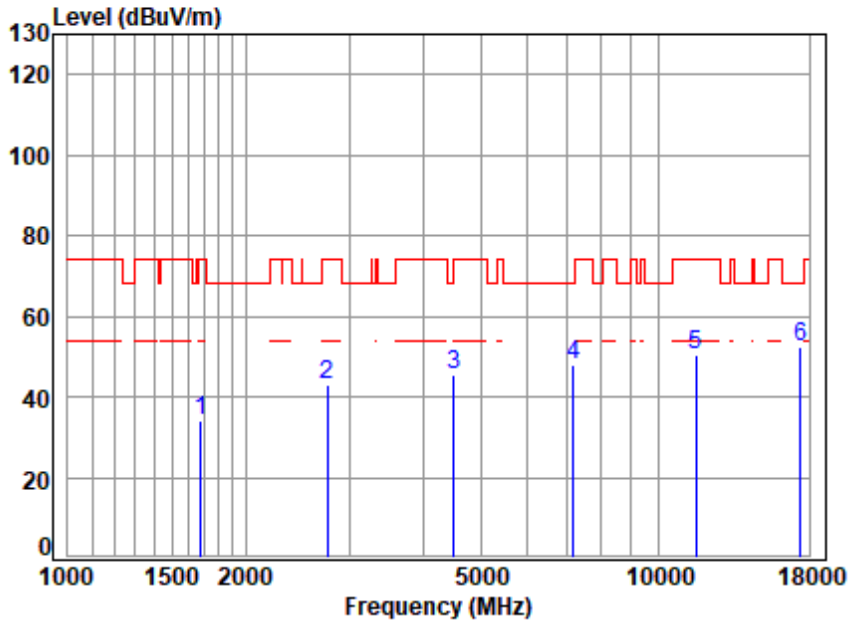


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5795 TX RSE
Note : 5G WIFI 11AC40

	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	1029.325	2.72	24.13	52.53	66.39	40.71	74.00	-33.29	Peak
2	2252.846	4.95	26.84	53.10	66.99	45.68	74.00	-28.32	Peak
3	5104.741	8.29	31.66	53.07	61.65	48.53	74.00	-25.47	Peak
4	8764.146	10.25	36.12	54.06	56.90	49.21	68.20	-18.99	Peak
5	11590.000	11.60	39.72	53.84	53.00	50.48	74.00	-23.52	peak
6	17385.000	14.45	43.68	52.36	46.51	52.28	68.20	-15.92	peak

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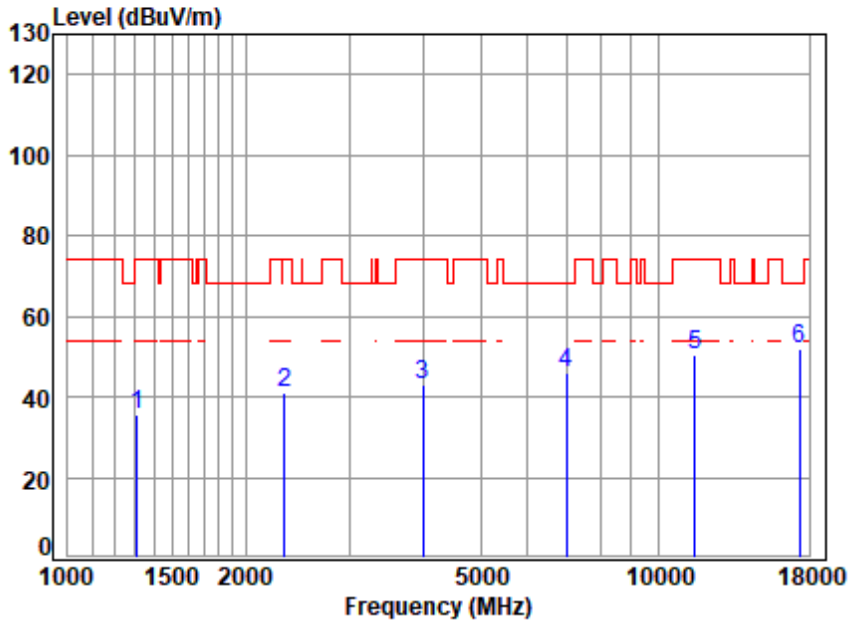


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5795 TX RSE
Note : 5G WIFI 11AC40

	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	1677.621	4.15	24.96	52.95	58.10	34.26	74.00	-39.74	Peak
2	2750.080	5.44	28.03	53.10	62.43	42.80	74.00	-31.20	Peak
3	4508.136	7.48	30.22	52.96	60.76	45.50	74.00	-28.50	Peak
4	7179.527	8.28	36.02	53.52	57.35	48.13	68.20	-20.07	Peak
5	11590.000	11.60	39.72	53.84	52.85	50.33	74.00	-23.67	peak
6	17385.000	14.45	43.68	52.36	46.39	52.16	68.20	-16.04	peak

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Test Mode: 07; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle

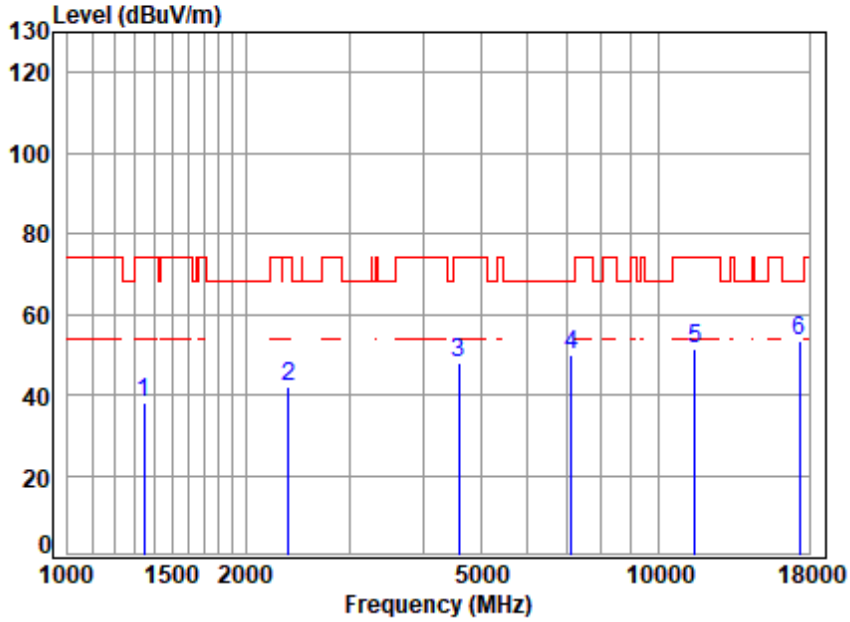


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5775 TX RSE
Note : 5G WIFI 11AC80

	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	1312.187	3.40	24.24	52.74	60.86	35.76	74.00	-38.24	Peak
2	2325.624	5.01	27.01	53.10	62.08	41.00	74.00	-33.00	Peak
3	3992.781	7.48	29.49	52.80	58.66	42.83	74.00	-31.17	Peak
4	6995.172	8.19	35.79	53.50	55.54	46.02	68.20	-22.18	Peak
5	11550.000	11.60	39.71	53.82	52.96	50.45	74.00	-23.55	peak
6	17325.000	14.42	43.36	52.40	46.67	52.05	68.20	-16.15	peak

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Test Mode: 07; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5775 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	1346.769	3.47	24.23	52.76	62.99	37.93	74.00	-36.07	Peak
2	2366.308	5.04	27.10	53.10	62.95	41.99	74.00	-32.01	Peak
3	4600.276	7.64	30.45	52.99	62.66	47.76	74.00	-26.24	Peak
4	7117.542	8.25	35.94	53.51	59.30	49.98	68.20	-18.22	Peak
5	11550.000	11.60	39.71	53.82	53.90	51.39	74.00	-22.61	peak
6	17325.000	14.42	43.36	52.40	47.79	53.17	68.20	-15.03	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
Measurement Distance: 3m

Limit:

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

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

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

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

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

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

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

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 22.2 °C Humidity: 51.3 % RH Atmospheric Pressure: 1020 mbar

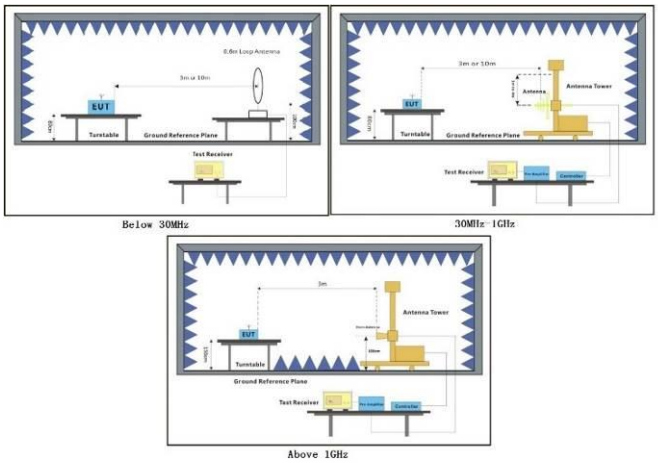
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7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	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), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80); final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	07	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80); 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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7.8.3 Test Setup Diagram



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.

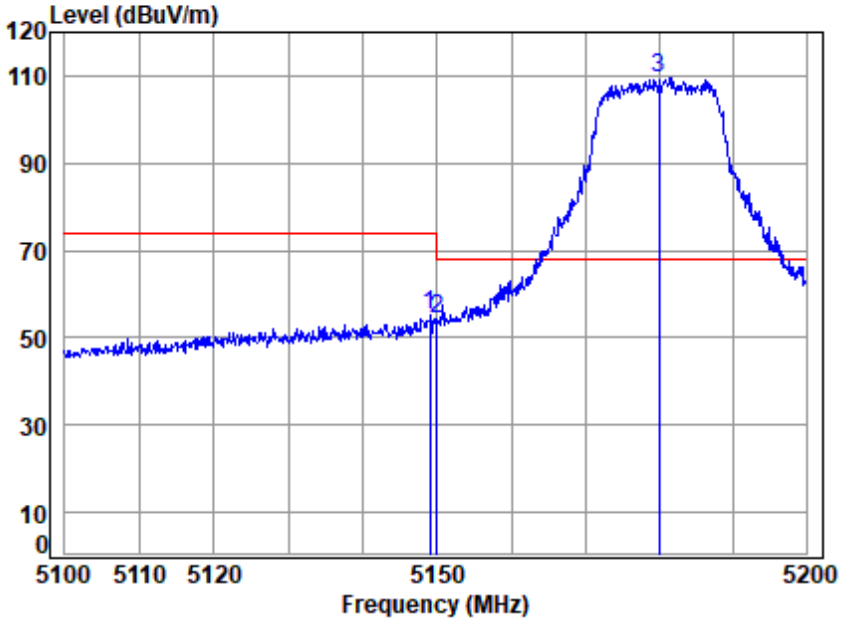
j. Repeat above procedures until all frequencies measured was complete.

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

k. Test frequency of standard requirement and additional frequency were tested and only the test frequency of standard requirement was recorded in the report.

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

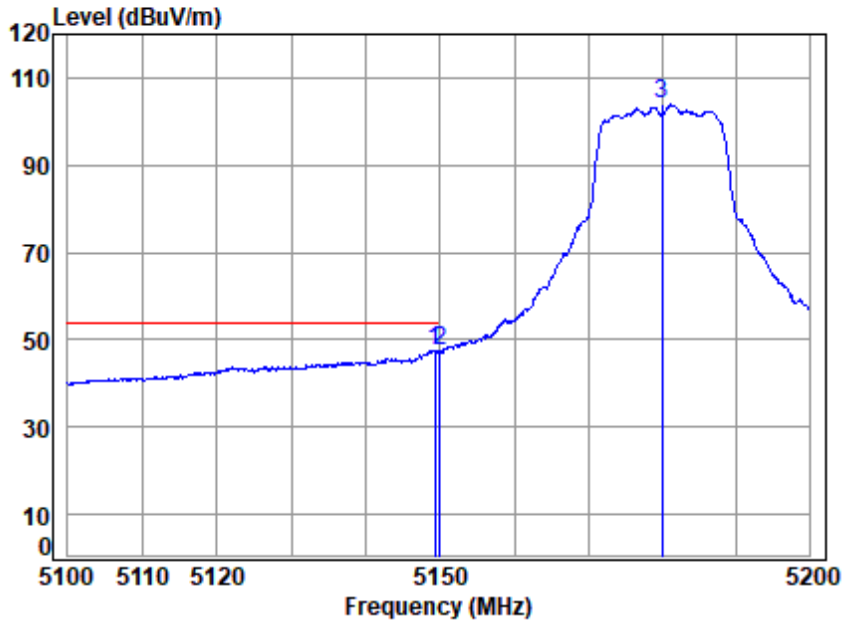


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5180 Band edge
Note : 5G WIFI 11A

	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	5149.057	8.29	31.77	31.82	46.99	55.23	74.00	-18.77	peak
2	5149.980	8.29	31.77	31.82	45.84	54.08	74.00	-19.92	peak
3	5180.000	8.29	31.85	31.86	101.39	109.67	68.20	41.47	peak

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

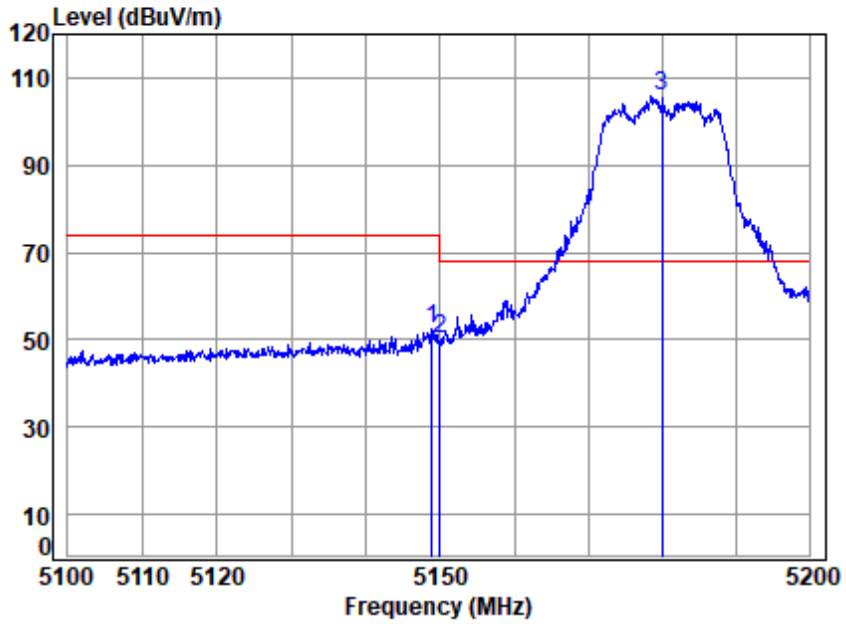


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5180 Band edge
Note : 5G WIFI 11A

	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	5149.257	8.29	31.77	31.82	39.34	47.58	54.00	-6.42	Average
2	5149.980	8.29	31.77	31.82	39.44	47.68	54.00	-6.32	Average
3	5180.000	8.29	31.85	31.86	95.53	103.81	------	------	Average

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

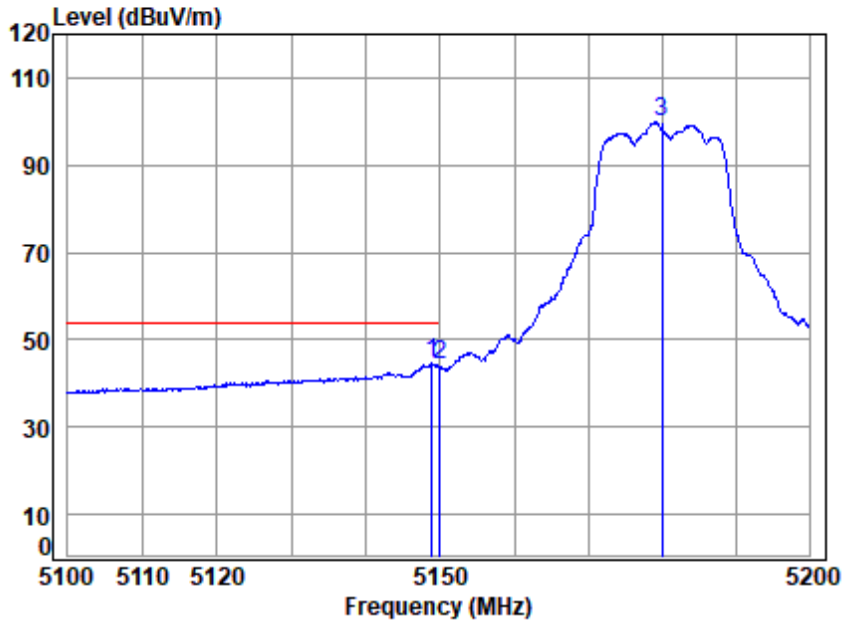


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5180 Band edge
Note : 5G WIFI 11A

	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	5148.857	8.29	31.77	31.82	44.23	52.47	74.00	-21.53	Peak
2	5149.980	8.29	31.77	31.82	41.98	50.22	74.00	-23.78	Peak
3	5180.000	8.29	31.85	31.86	97.37	105.65	68.20	37.45	Peak

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

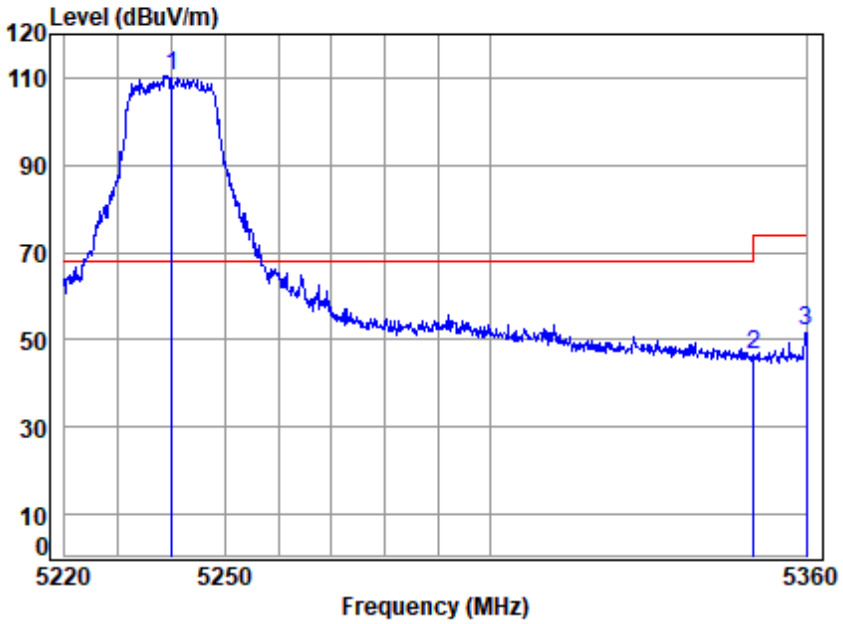


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5180 Band edge
Note : 5G WIFI 11A

	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	5148.857	8.29	31.77	31.82	36.41	44.65	54.00	-9.35	Average
2	5149.980	8.29	31.77	31.82	35.92	44.16	54.00	-9.84	Average
3	5180.000	8.29	31.85	31.86	91.48	99.76	------	------	Average

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

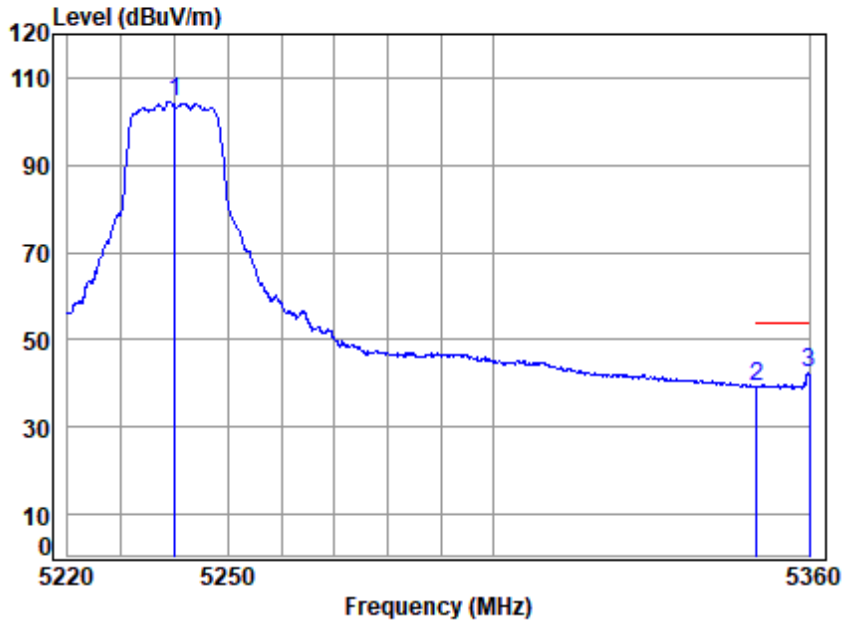


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5240 Band edge
Note : 5G WIFI 11A

	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	5240.000	8.29	31.99	31.94	102.29	110.63	68.20	42.43	peak
2	5350.020	8.28	32.25	32.10	37.97	46.40	74.00	-27.60	peak
3	5360.000	8.28	32.28	32.11	43.55	52.00	74.00	-22.00	peak

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

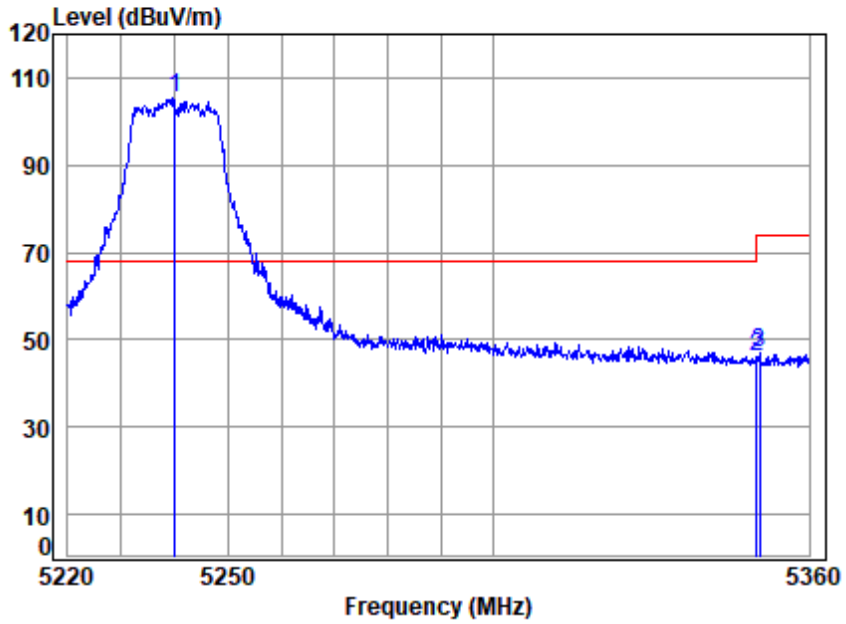


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5240 Band edge
Note : 5G WIFI 11A

	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	5240.000	8.29	31.99	31.94	96.21	104.55	------	------	Average
2	5350.020	8.28	32.25	32.10	30.86	39.29	54.00	-14.71	Average
3	5360.000	8.28	32.28	32.11	34.13	42.58	54.00	-11.42	Average

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

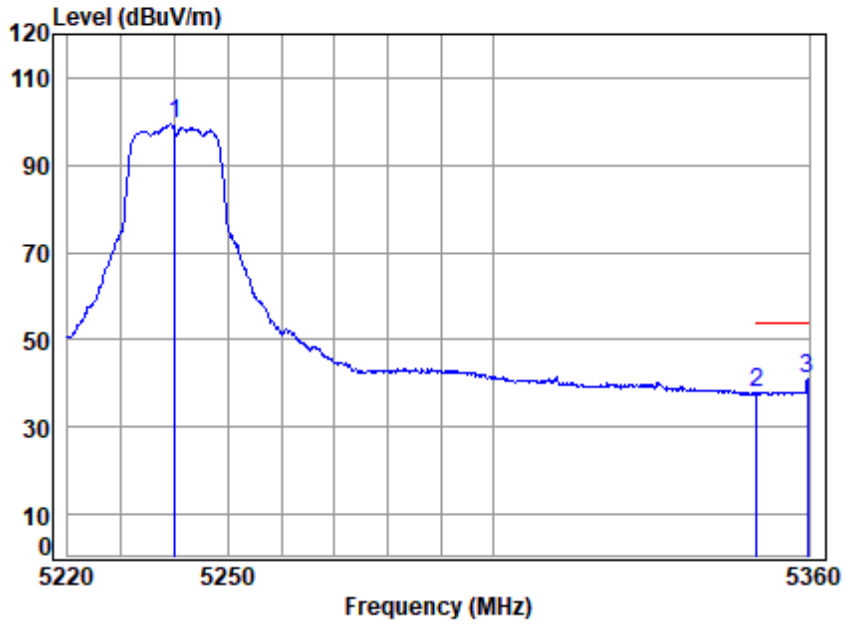


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5240 Band edge
Note : 5G WIFI 11A

	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	5240.000	8.29	31.99	31.94	96.97	105.31	68.20	37.11	Peak
2	5350.020	8.28	32.25	32.10	37.78	46.21	74.00	-27.79	Peak
3	5350.646	8.28	32.25	32.10	38.70	47.13	74.00	-26.87	Peak

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

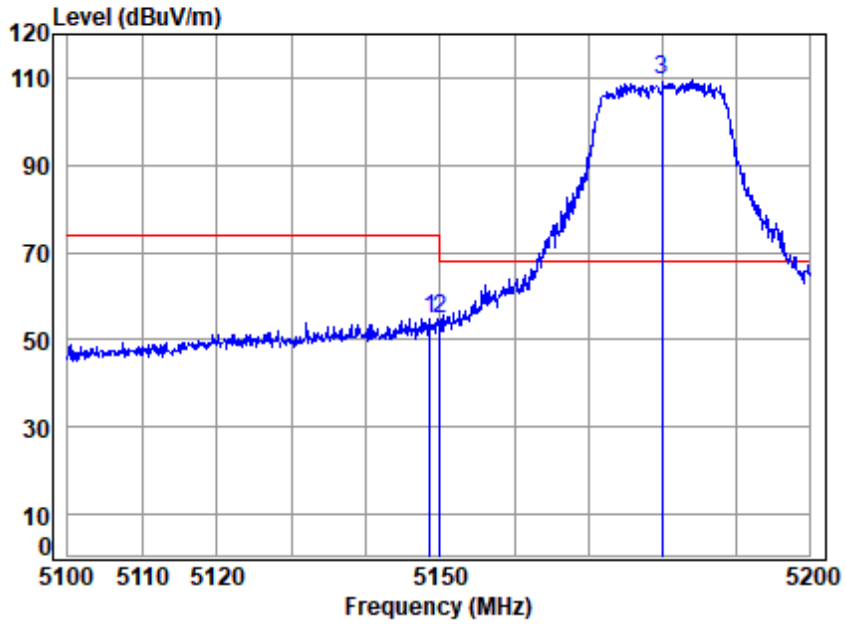


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5240 Band edge
Note : 5G WIFI 11A

	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	5240.000	8.29	31.99	31.94	90.94	99.28	------	------	Average
2	5350.020	8.28	32.25	32.10	29.28	37.71	54.00	-16.29	Average
3	5359.716	8.28	32.27	32.11	32.61	41.05	54.00	-12.95	Average

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

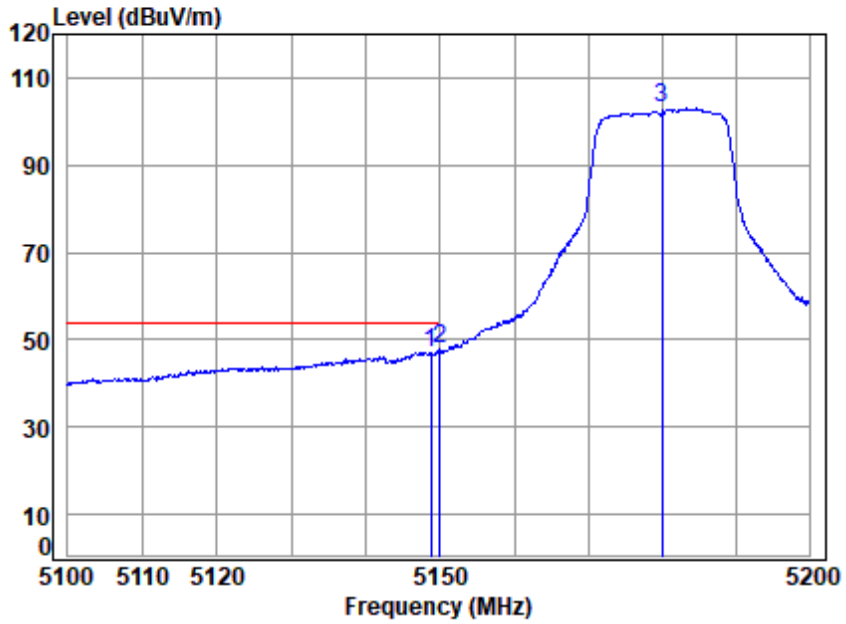


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5180 Band edge
Note : 5G WIFI 11N20

	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	5148.657	8.29	31.77	31.82	46.50	54.74	74.00	-19.26	peak
2	5149.980	8.29	31.77	31.82	46.49	54.73	74.00	-19.27	peak
3	5180.000	8.29	31.85	31.86	101.24	109.52	68.20	41.32	peak

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

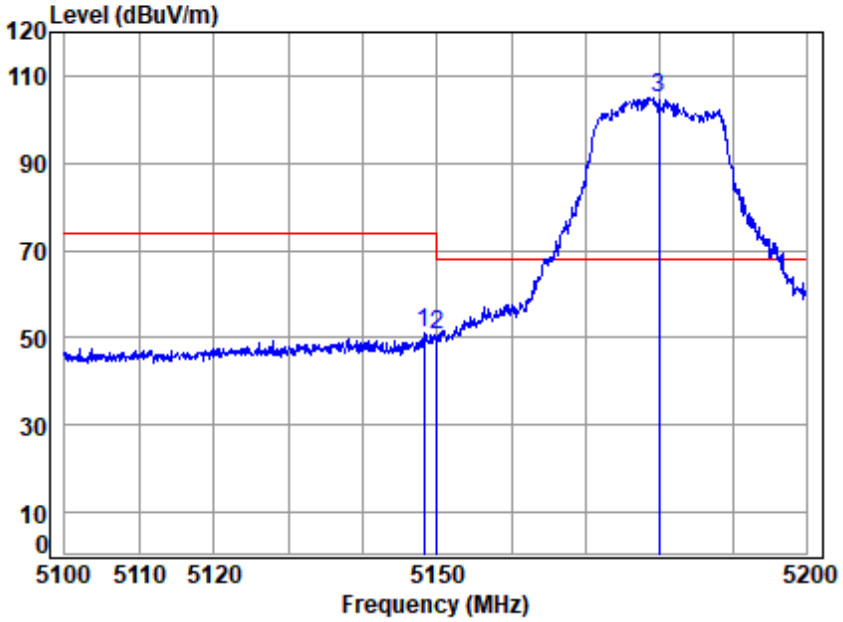


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5180 Band edge
Note : 5G WIFI 11N20

	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	5148.757	8.29	31.77	31.82	38.84	47.08	54.00	-6.92	Average
2	5149.980	8.29	31.77	31.82	39.49	47.73	54.00	-6.27	Average
3	5180.000	8.29	31.85	31.86	94.65	102.93	------	------	Average

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

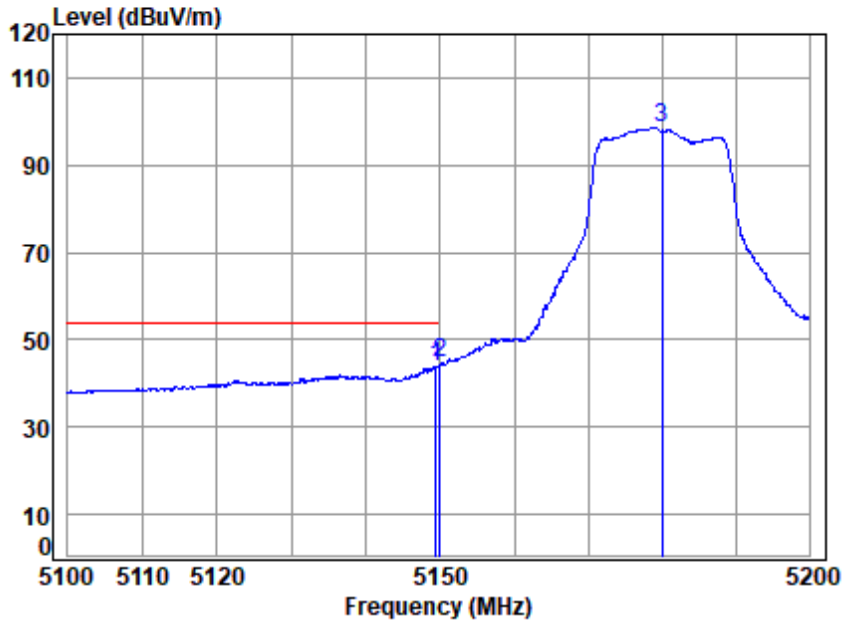


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5180 Band edge
Note : 5G WIFI 11N20

	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	5148.158	8.29	31.77	31.81	43.05	51.30	74.00	-22.70	Peak
2	5149.980	8.29	31.77	31.82	42.45	50.69	74.00	-23.31	Peak
3	5180.000	8.29	31.85	31.86	96.82	105.10	68.20	36.90	Peak

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

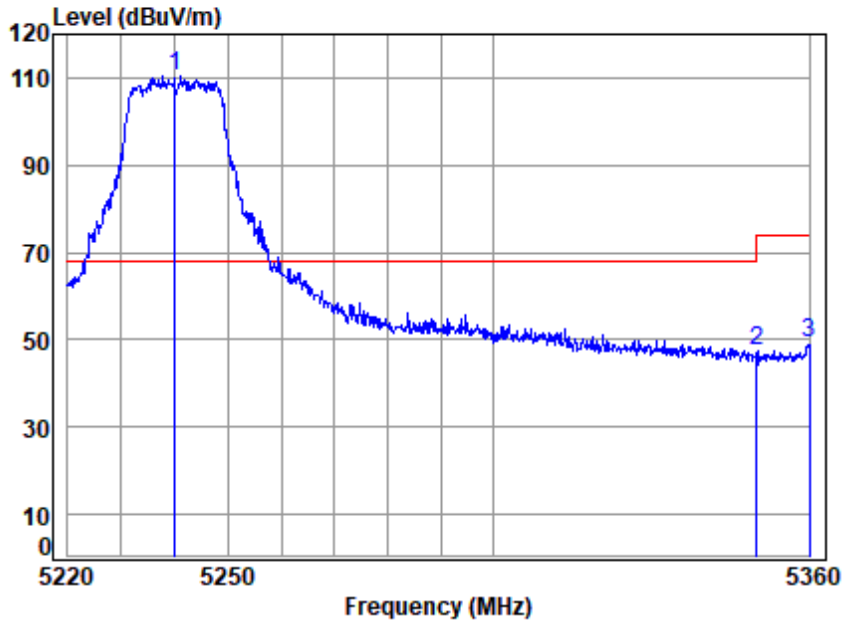


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5180 Band edge
Note : 5G WIFI 11N20

	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	5149.458	8.29	31.77	31.82	35.72	43.96	54.00	-10.04	Average
2	5149.980	8.29	31.77	31.82	36.29	44.53	54.00	-9.47	Average
3	5180.000	8.29	31.85	31.86	90.48	98.76	------	------	Average

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5240 Band edge
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	5240.000	8.29	31.99	31.94	101.95	110.29	68.20	42.09	peak
2	5350.020	8.28	32.25	32.10	38.81	47.24	74.00	-26.76	peak
3	5360.000	8.28	32.28	32.11	40.73	49.18	74.00	-24.82	peak

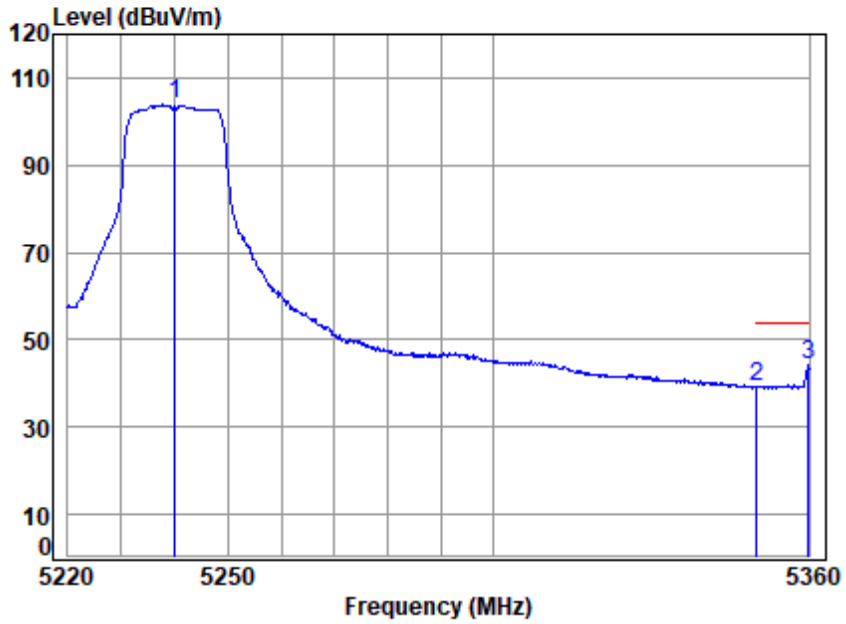
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High

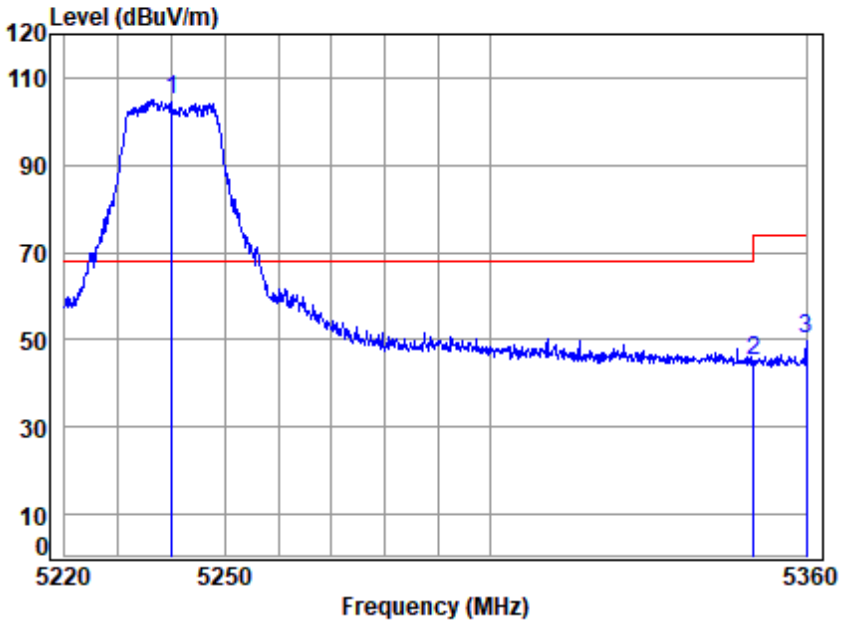


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5240 Band edge
Note : 5G WIFI 11N20

	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	5240.000	8.29	31.99	31.94	95.59	103.93	------	------	Average
2	5350.020	8.28	32.25	32.10	30.78	39.21	54.00	-14.79	Average
3	5359.858	8.28	32.28	32.11	35.59	44.04	54.00	-9.96	Average

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

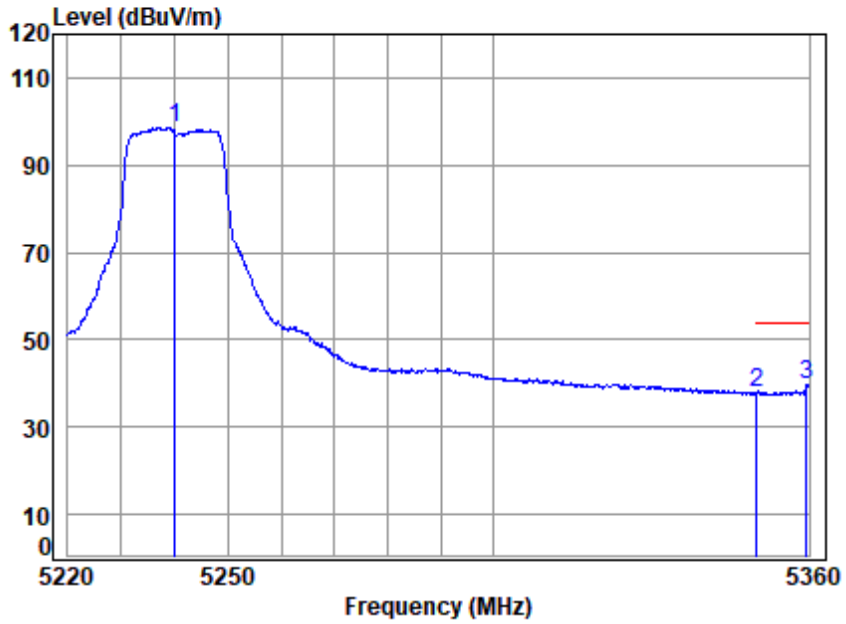


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5240 Band edge
Note : 5G WIFI 11N20

	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	5240.000	8.29	31.99	31.94	96.56	104.90	68.20	36.70	Peak
2	5350.020	8.28	32.25	32.10	36.79	45.22	74.00	-28.78	Peak
3	5360.000	8.28	32.28	32.11	41.82	50.27	74.00	-23.73	Peak

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

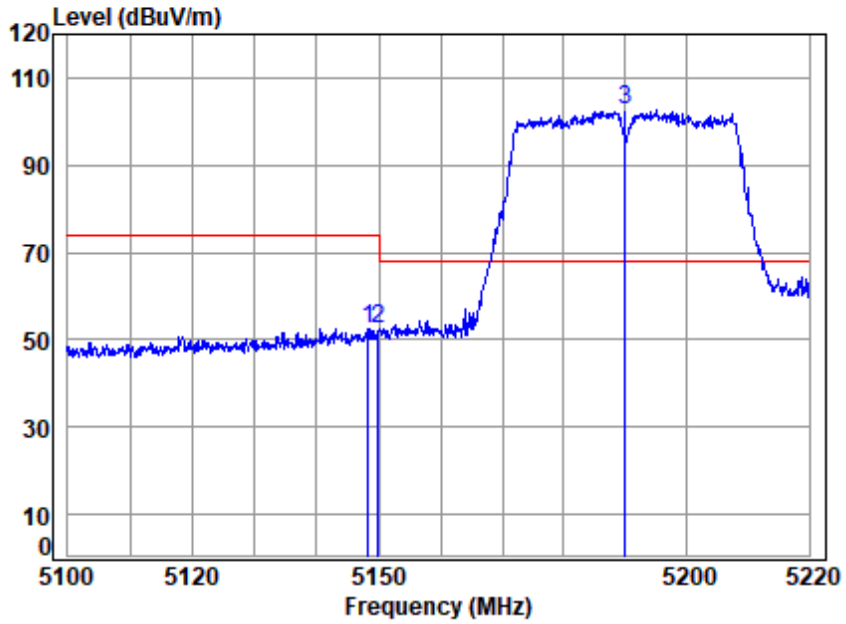


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5240 Band edge
Note : 5G WIFI 11N20

	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	5240.000	8.29	31.99	31.94	90.35	98.69	------	------	Average
2	5350.020	8.28	32.25	32.10	29.47	37.90	54.00	-16.10	Average
3	5359.574	8.28	32.27	32.11	31.15	39.59	54.00	-14.41	Average

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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

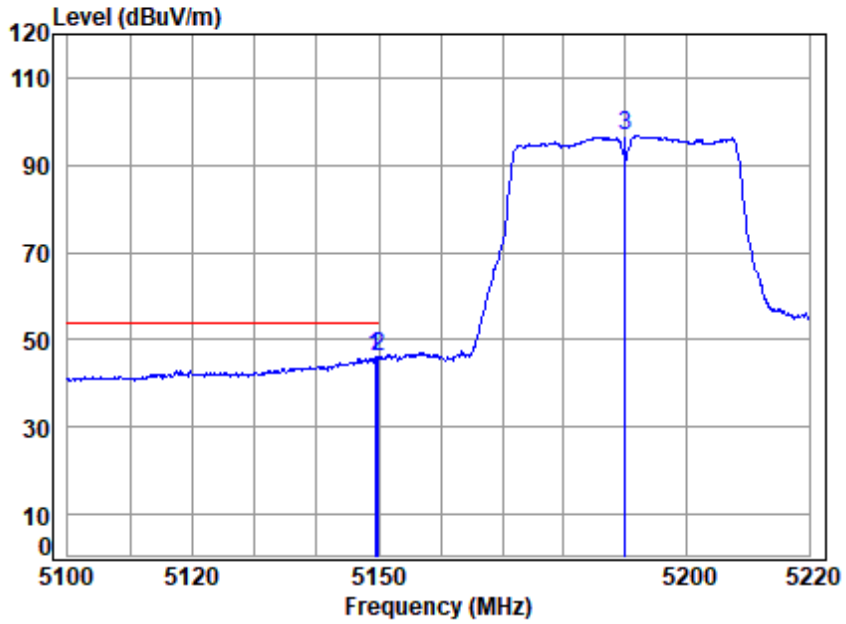


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5190 Band edge
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.264	8.29	31.77	31.81	44.33	52.58	74.00	-21.42	peak
2	5149.980	8.29	31.77	31.82	44.17	52.41	74.00	-21.59	peak
3	5190.000	8.29	31.87	31.87	94.43	102.72	68.20	34.52	peak

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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

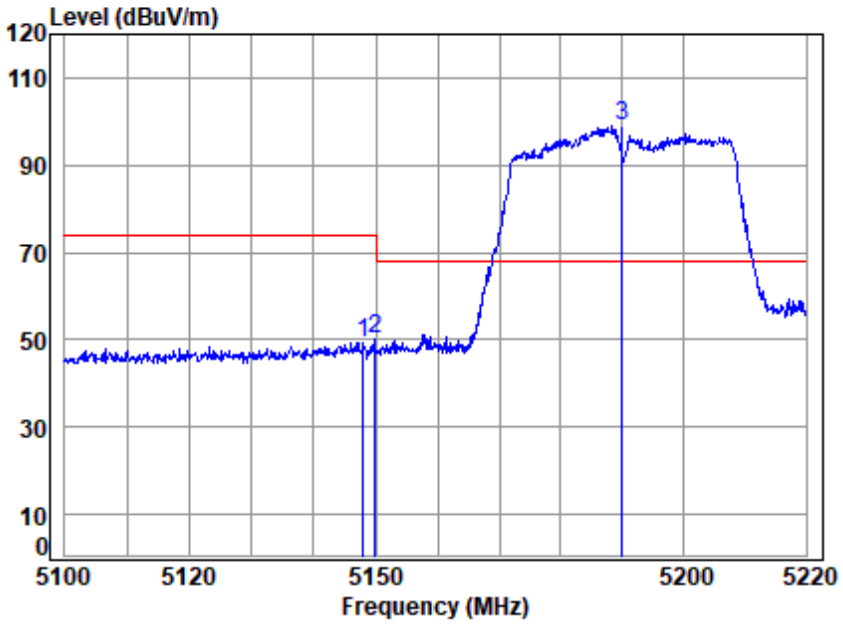


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5190 Band edge
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.461	8.29	31.77	31.82	37.85	46.09	54.00	-7.91	Average
2	5149.980	8.29	31.77	31.82	37.73	45.97	54.00	-8.03	Average
3	5190.000	8.29	31.87	31.87	88.38	96.67	------	------	Average

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Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

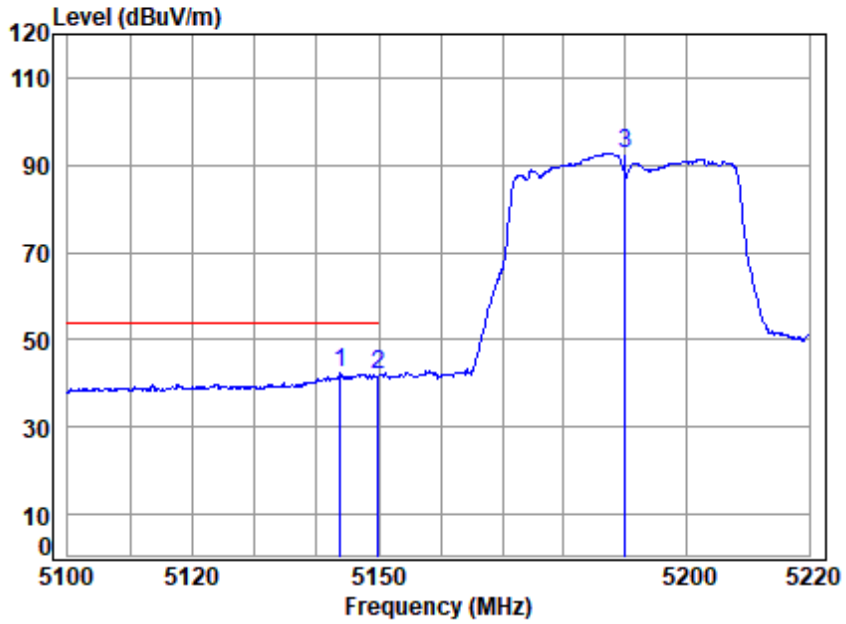


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5190 Band edge
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5147.905	8.29	31.77	31.81	41.03	49.28	74.00	-24.72	Peak
2	5149.980	8.29	31.77	31.82	42.11	50.35	74.00	-23.65	Peak
3	5190.000	8.29	31.87	31.87	90.67	98.96	68.20	30.76	Peak

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Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

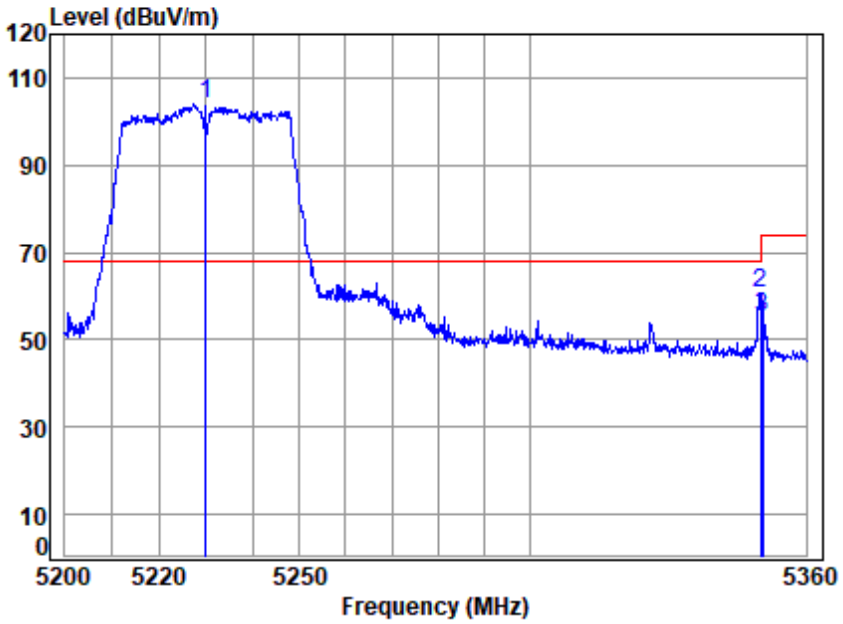


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5190 Band edge
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5143.836	8.29	31.76	31.81	34.00	42.24	54.00	-11.76	Average
2	5149.980	8.29	31.77	31.82	33.61	41.85	54.00	-12.15	Average
3	5190.000	8.29	31.87	31.87	84.48	92.77	------	------	Average

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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High

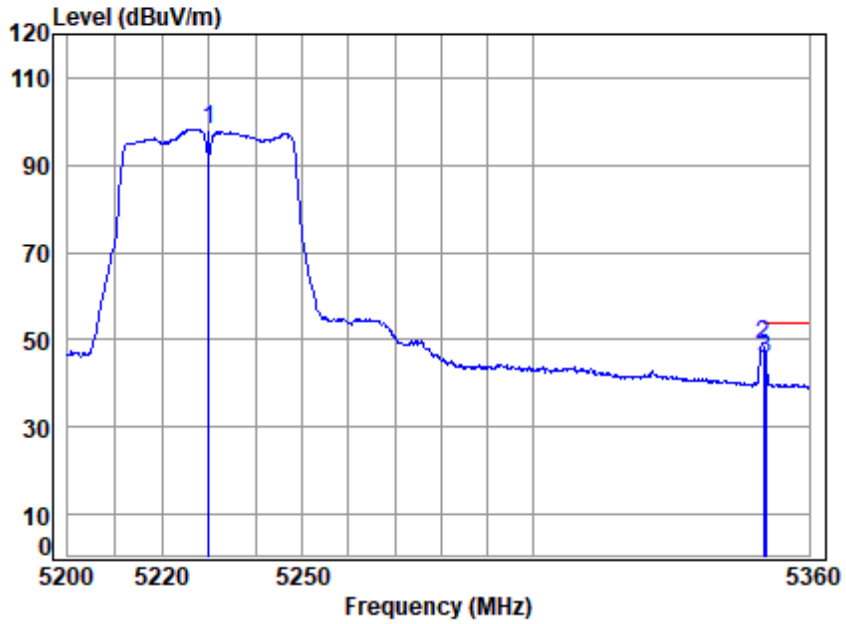


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5230 Band edge
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5230.000	8.29	31.97	31.93	95.55	103.88	68.20	35.68	peak
2	5350.020	8.28	32.25	32.10	52.12	60.55	74.00	-13.45	peak
3	5350.587	8.28	32.25	32.10	46.97	55.40	74.00	-18.60	peak

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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High

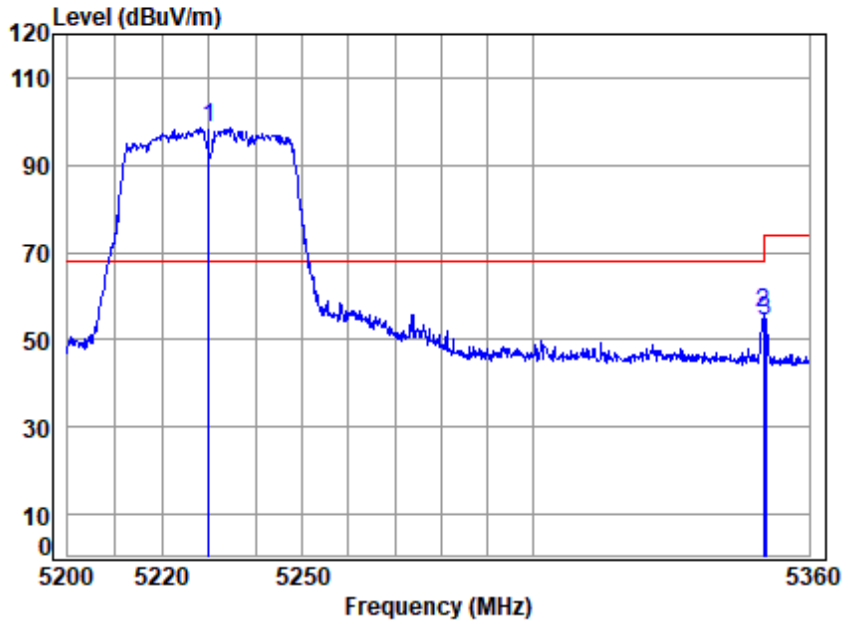


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5230 Band edge
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5230.000	8.29	31.97	31.93	89.82	98.15	------	------	Average
2	5350.020	8.28	32.25	32.10	40.38	48.81	54.00	-5.19	Average
3	5350.587	8.28	32.25	32.10	37.08	45.51	54.00	-8.49	Average

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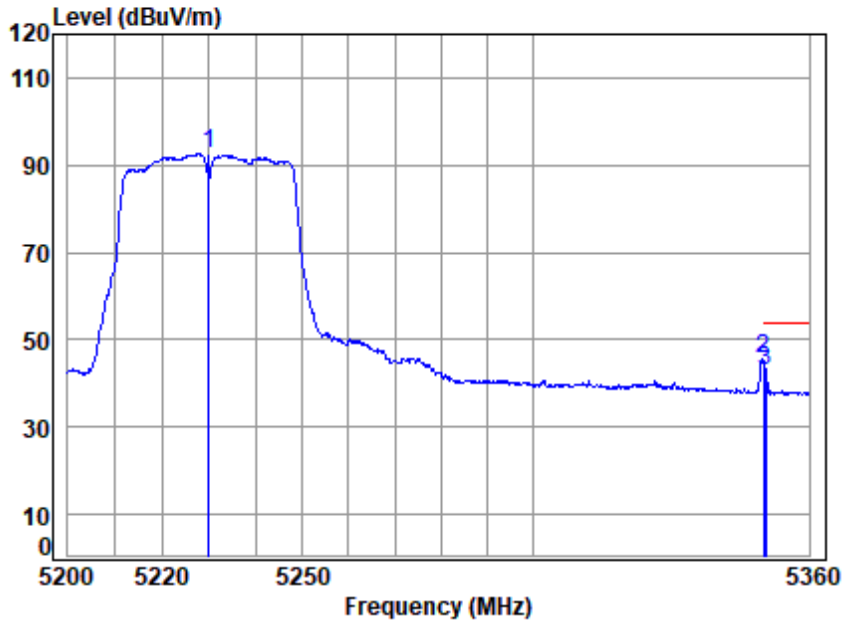


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5230 Band edge
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5230.000	8.29	31.97	31.93	90.37	98.70	68.20	30.50	Peak
2	5350.020	8.28	32.25	32.10	47.52	55.95	74.00	-18.05	Peak
3	5350.587	8.28	32.25	32.10	46.08	54.51	74.00	-19.49	Peak

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Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High

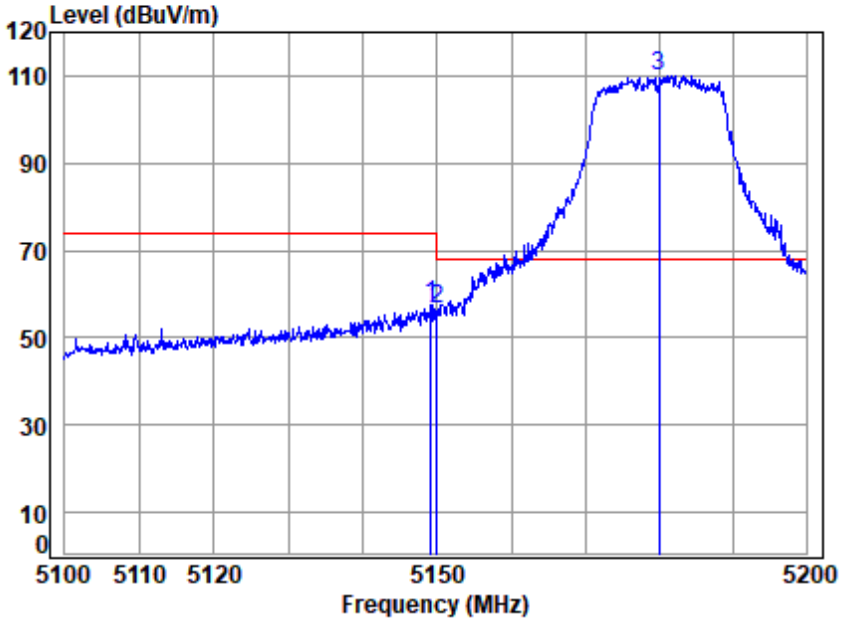


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5230 Band edge
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5230.000	8.29	31.97	31.93	84.15	92.48	------	------	Average
2	5350.020	8.28	32.25	32.10	37.35	45.78	54.00	-8.22	Average
3	5350.587	8.28	32.25	32.10	34.68	43.11	54.00	-10.89	Average

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

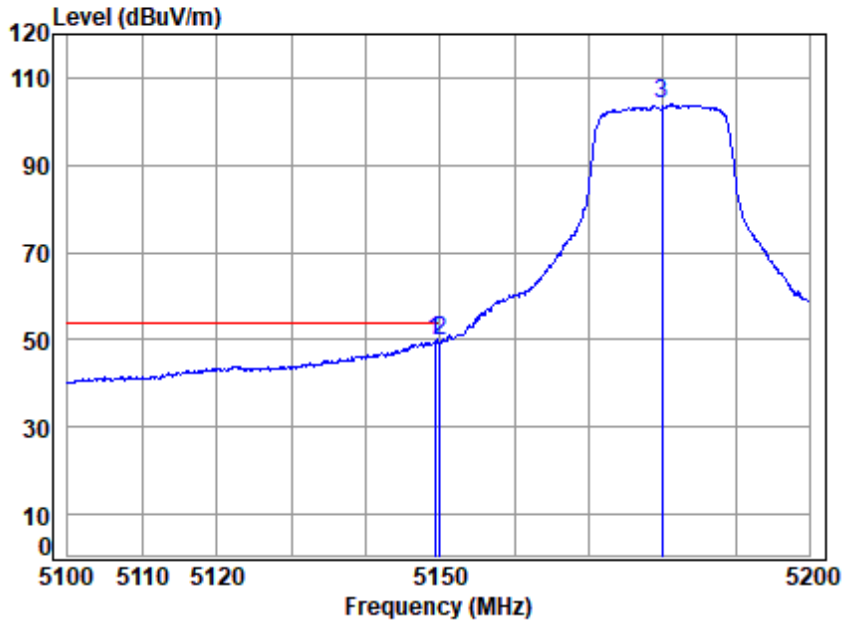


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5180 Band edge
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.157	8.29	31.77	31.82	49.30	57.54	74.00	-16.46	peak
2	5149.980	8.29	31.77	31.82	48.15	56.39	74.00	-17.61	peak
3	5180.000	8.29	31.85	31.86	101.84	110.12	68.20	41.92	peak

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

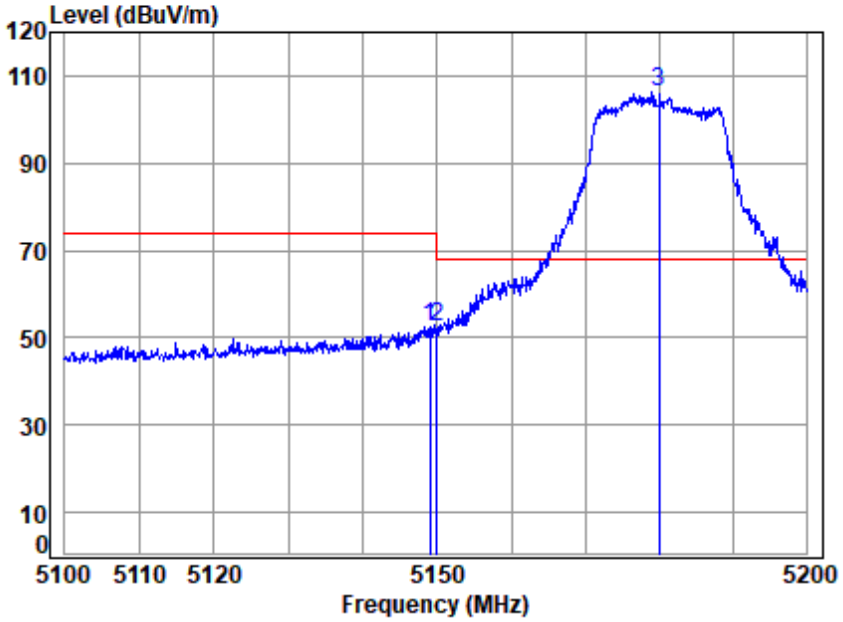


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5180 Band edge
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.257	8.29	31.77	31.82	41.36	49.60	54.00	-4.40	Average
2	5149.980	8.29	31.77	31.82	41.67	49.91	54.00	-4.09	Average
3	5180.000	8.29	31.85	31.86	95.76	104.04	------	------	Average

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

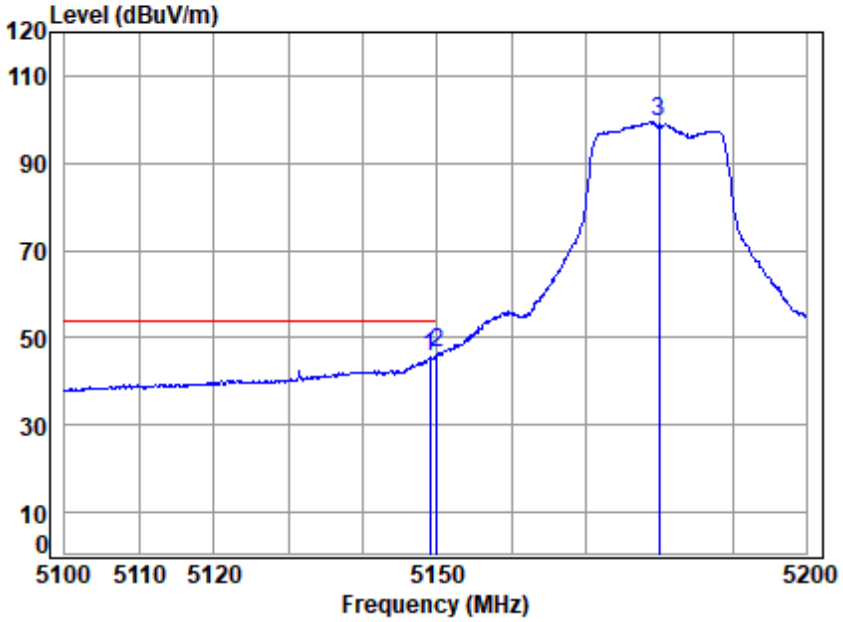


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5180 Band edge
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.958	8.29	31.77	31.82	44.36	52.60	74.00	-21.40	Peak
2	5149.980	8.29	31.77	31.82	44.36	52.60	74.00	-21.40	Peak
3	5180.000	8.29	31.85	31.86	97.81	106.09	68.20	37.89	Peak

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

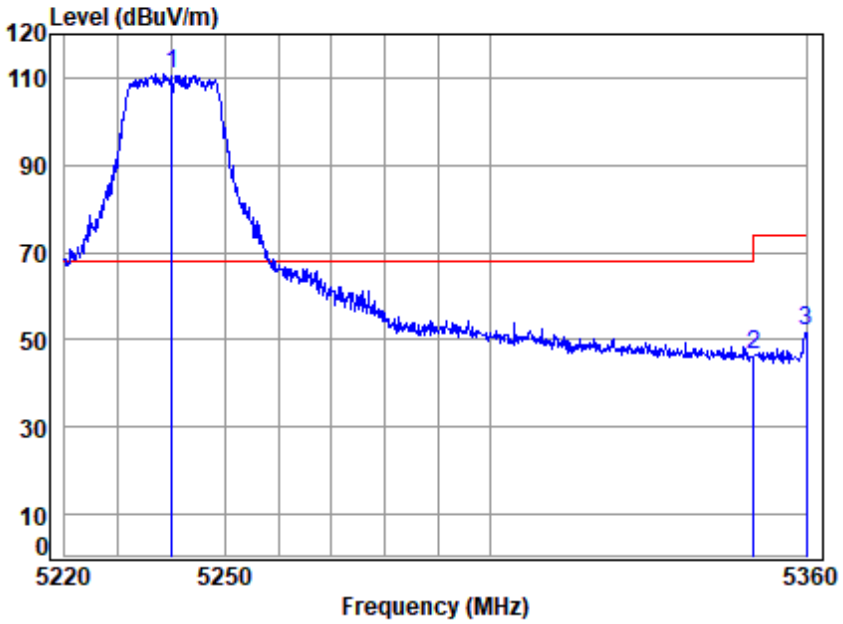


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5180 Band edge
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.057	8.29	31.77	31.82	37.37	45.61	54.00	-8.39	Average
2	5149.980	8.29	31.77	31.82	38.27	46.51	54.00	-7.49	Average
3	5180.000	8.29	31.85	31.86	91.20	99.48	------	------	Average

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

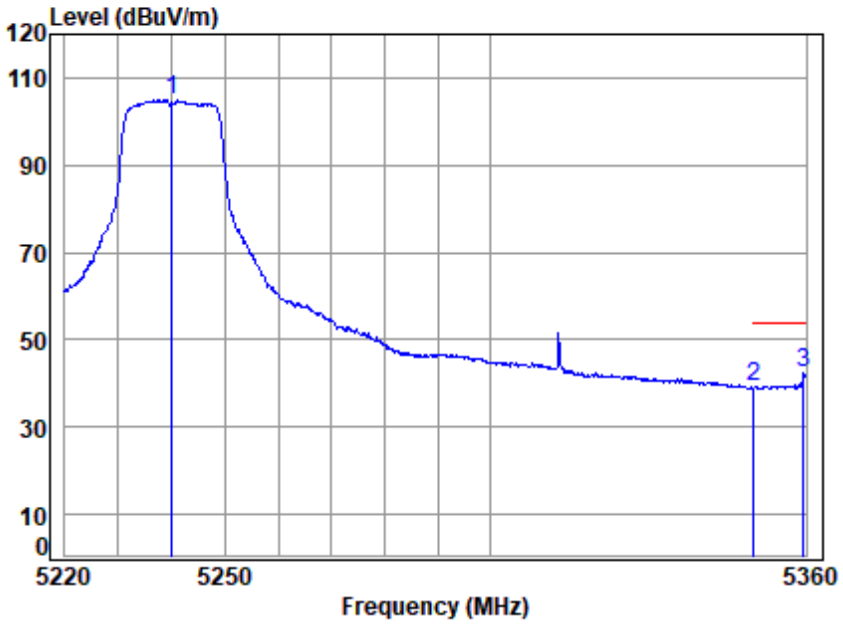


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5240 Band edge
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5240.000	8.29	31.99	31.94	102.60	110.94	68.20	42.74	peak
2	5350.020	8.28	32.25	32.10	38.24	46.67	74.00	-27.33	peak
3	5360.000	8.28	32.28	32.11	43.52	51.97	74.00	-22.03	peak

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

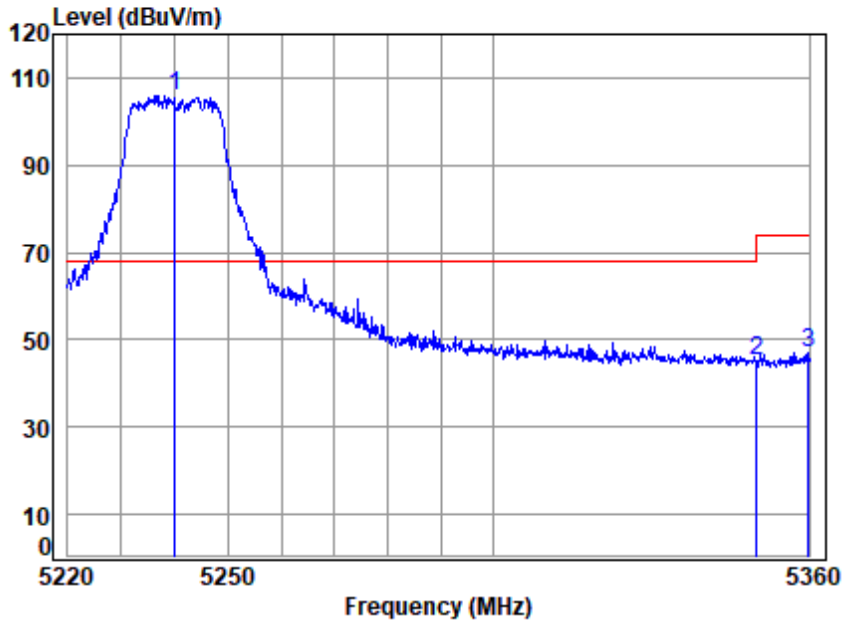


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5240 Band edge
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5240.000	8.29	31.99	31.94	96.49	104.83	------	------	Average
2	5350.020	8.28	32.25	32.10	30.61	39.04	54.00	-14.96	Average
3	5359.574	8.28	32.27	32.11	33.89	42.33	54.00	-11.67	Average

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

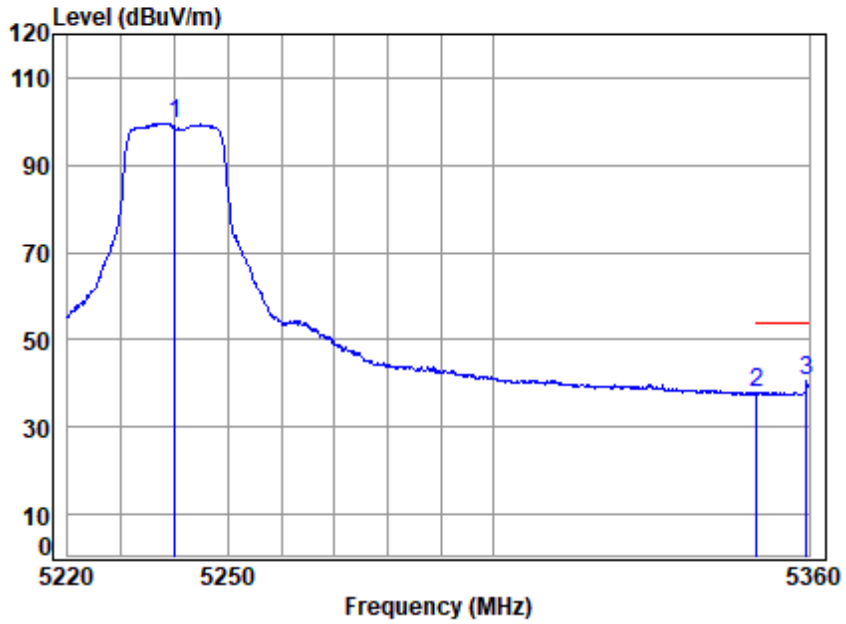


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5240 Band edge
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5240.000	8.29	31.99	31.94	97.60	105.94	68.20	37.74	Peak
2	5350.020	8.28	32.25	32.10	36.64	45.07	74.00	-28.93	Peak
3	5359.858	8.28	32.28	32.11	38.71	47.16	74.00	-26.84	Peak

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

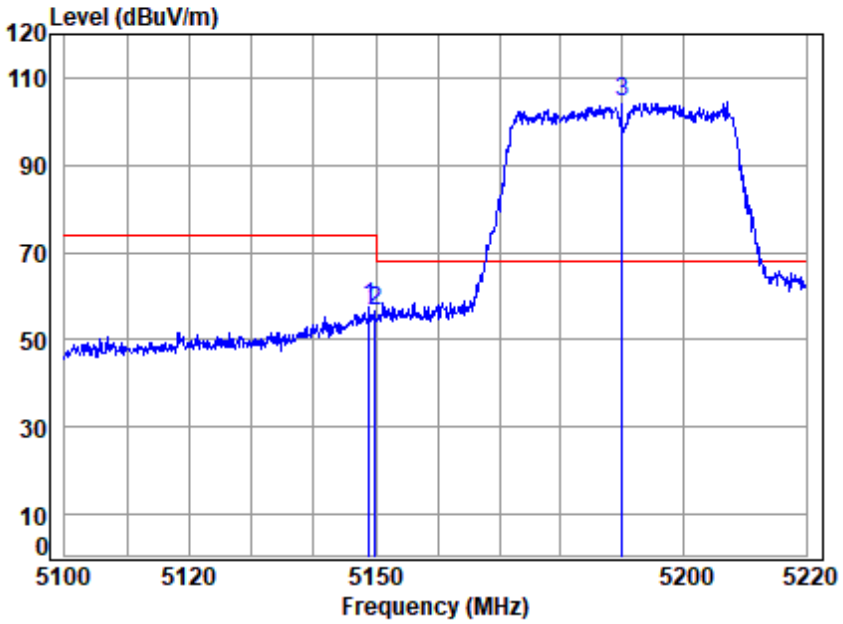


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5240 Band edge
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5240.000	8.29	31.99	31.94	91.24	99.58	------	------	Average
2	5350.020	8.28	32.25	32.10	29.38	37.81	54.00	-16.19	Average
3	5359.574	8.28	32.27	32.11	32.05	40.49	54.00	-13.51	Average

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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

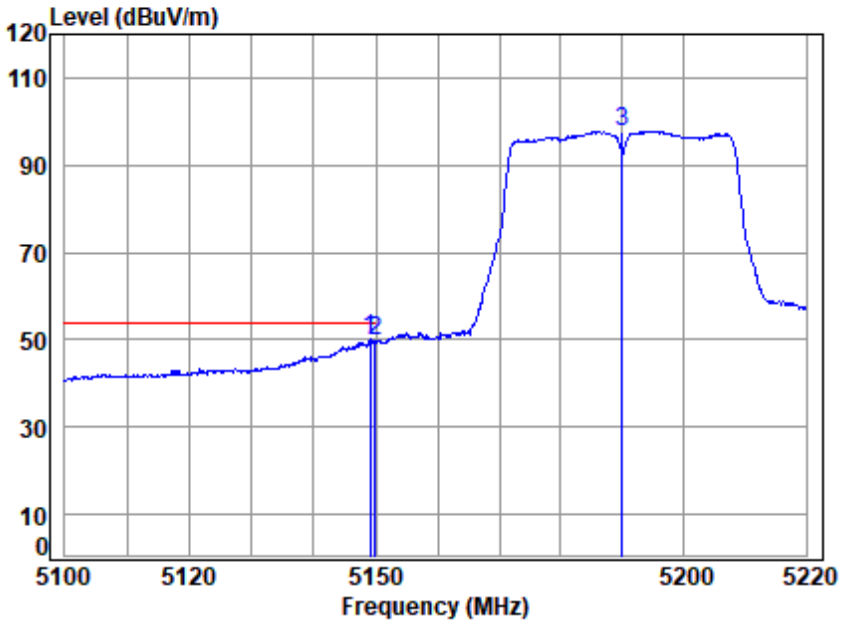


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5190 Band edge
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.982	8.29	31.77	31.82	49.06	57.30	74.00	-16.70	peak
2	5149.980	8.29	31.77	31.82	48.15	56.39	74.00	-17.61	peak
3	5190.000	8.29	31.87	31.87	96.05	104.34	68.20	36.14	peak

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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

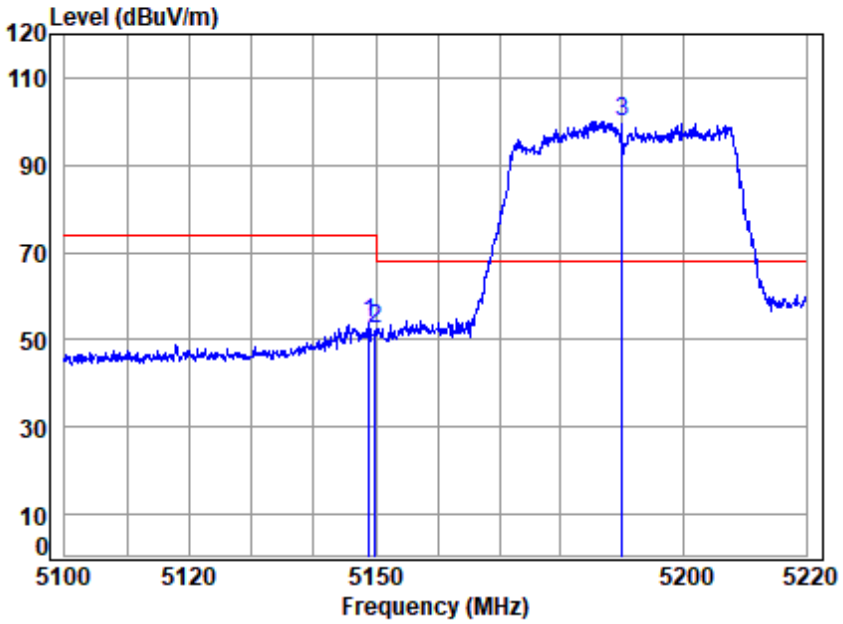


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5190 Band edge
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.102	8.29	31.77	31.82	41.80	50.04	54.00	-3.96	Average
2	5149.980	8.29	31.77	31.82	41.39	49.63	54.00	-4.37	Average
3	5190.000	8.29	31.87	31.87	89.52	97.81	------	------	Average

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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

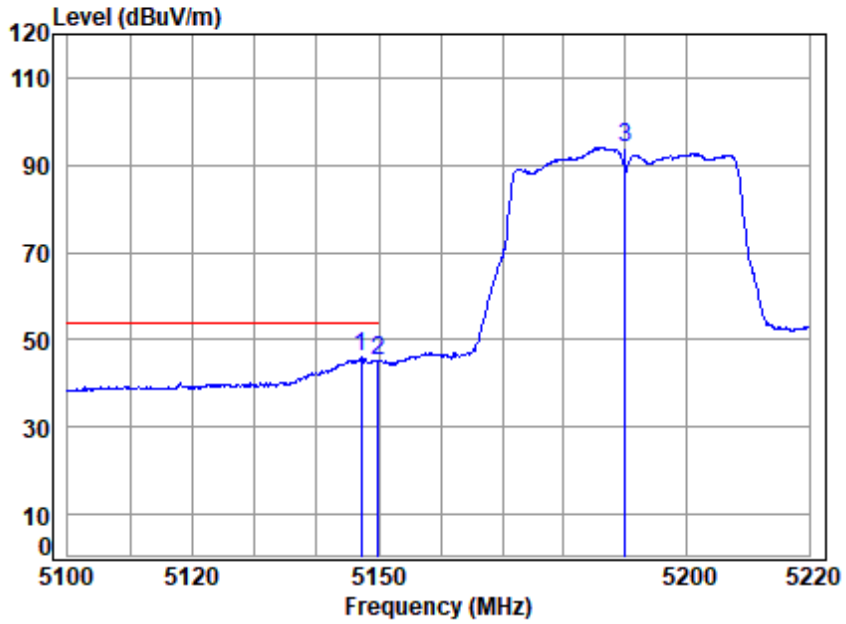


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5190 Band edge
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.982	8.29	31.77	31.82	45.73	53.97	74.00	-20.03	Peak
2	5149.980	8.29	31.77	31.82	44.33	52.57	74.00	-21.43	Peak
3	5190.000	8.29	31.87	31.87	91.76	100.05	68.20	31.85	Peak

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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

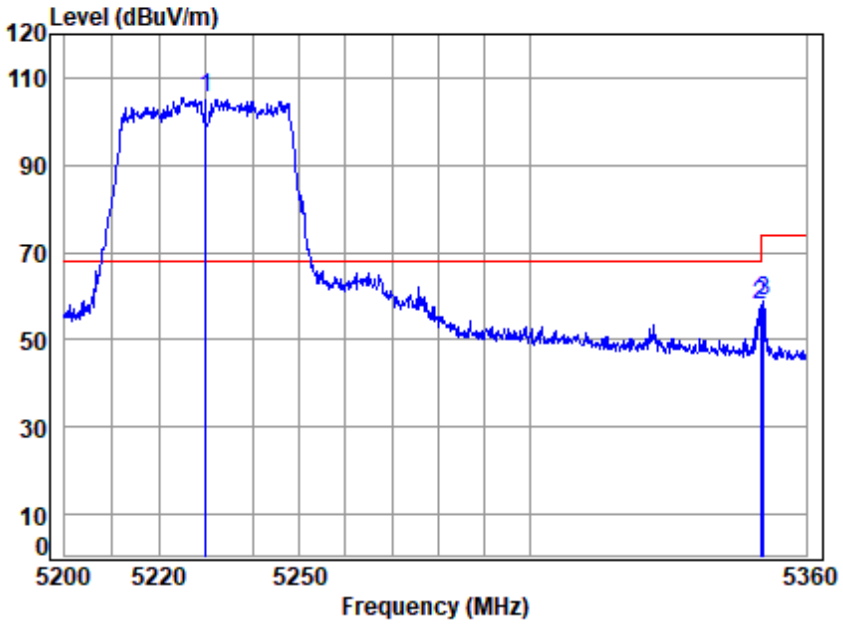


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5190 Band edge
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5147.187	8.29	31.77	31.81	37.81	46.06	54.00	-7.94	Average
2	5149.980	8.29	31.77	31.82	37.13	45.37	54.00	-8.63	Average
3	5190.000	8.29	31.87	31.87	85.65	93.94	------	------	Average

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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

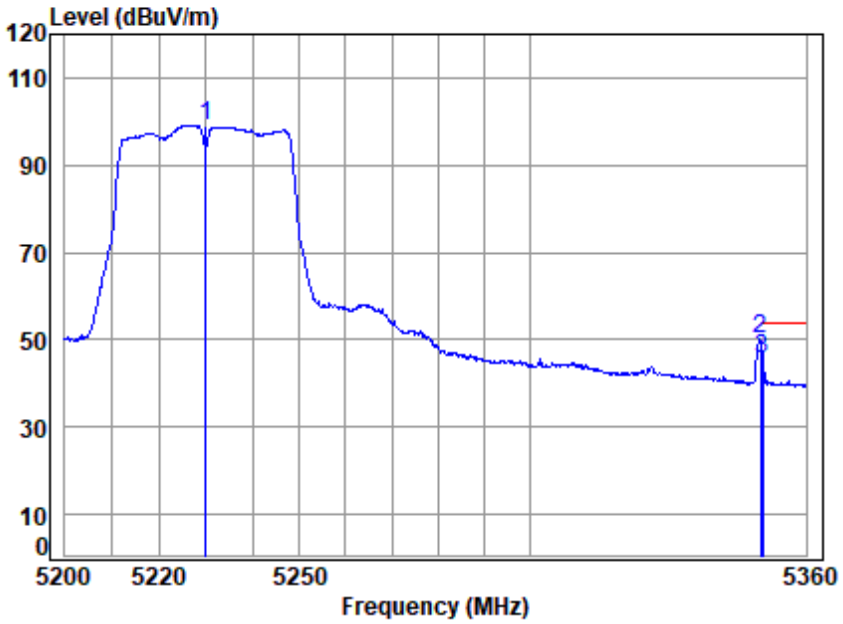


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5230 Band edge
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5230.000	8.29	31.97	31.93	96.98	105.31	68.20	37.11	peak
2	5350.020	8.28	32.25	32.10	49.47	57.90	74.00	-16.10	peak
3	5350.749	8.28	32.25	32.10	50.63	59.06	74.00	-14.94	peak

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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

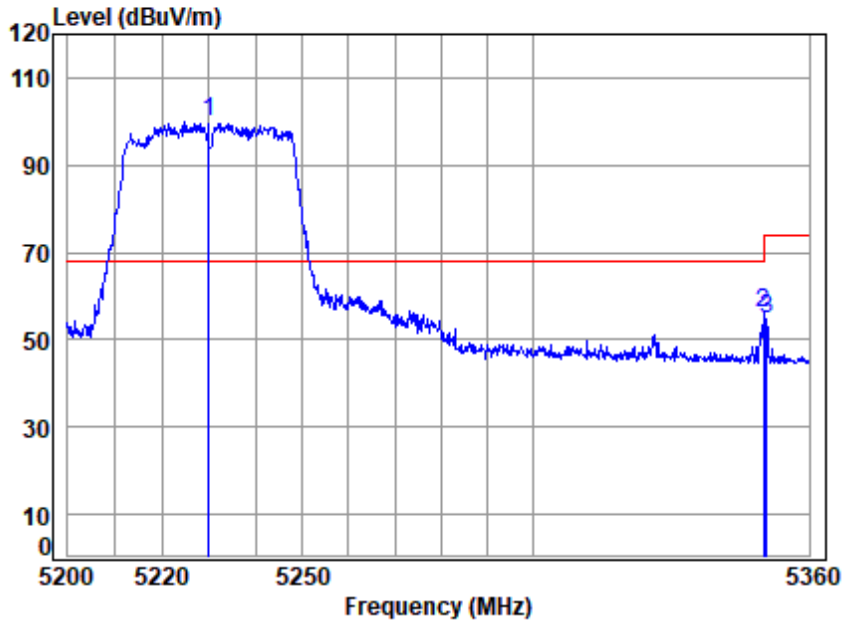


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5230 Band edge
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5230.000	8.29	31.97	31.93	90.88	99.21	------	------	Average
2	5350.020	8.28	32.25	32.10	41.80	50.23	54.00	-3.77	Average
3	5350.587	8.28	32.25	32.10	37.07	45.50	54.00	-8.50	Average

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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

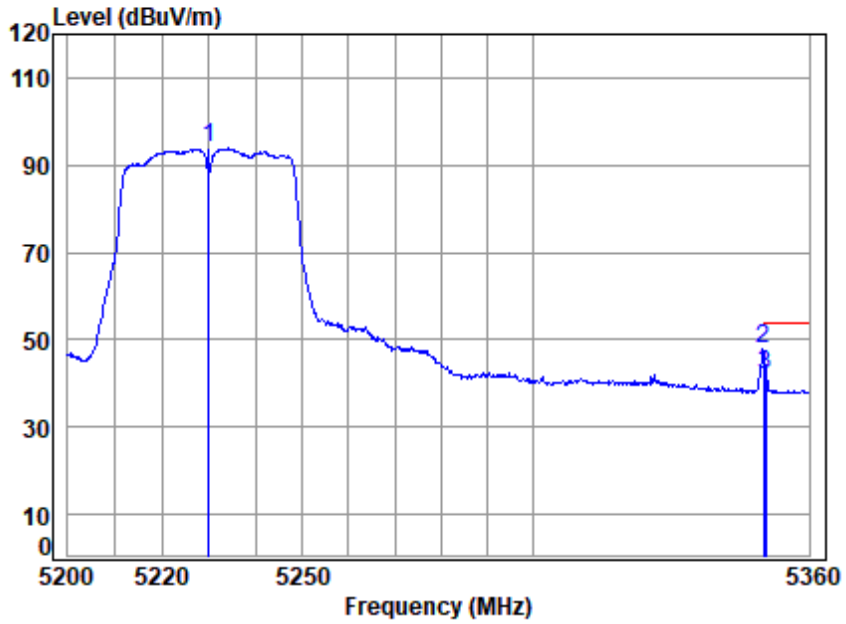


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5230 Band edge
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5230.000	8.29	31.97	31.93	91.53	99.86	68.20	31.66	Peak
2	5350.020	8.28	32.25	32.10	47.56	55.99	74.00	-18.01	Peak
3	5350.749	8.28	32.25	32.10	46.54	54.97	74.00	-19.03	Peak

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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

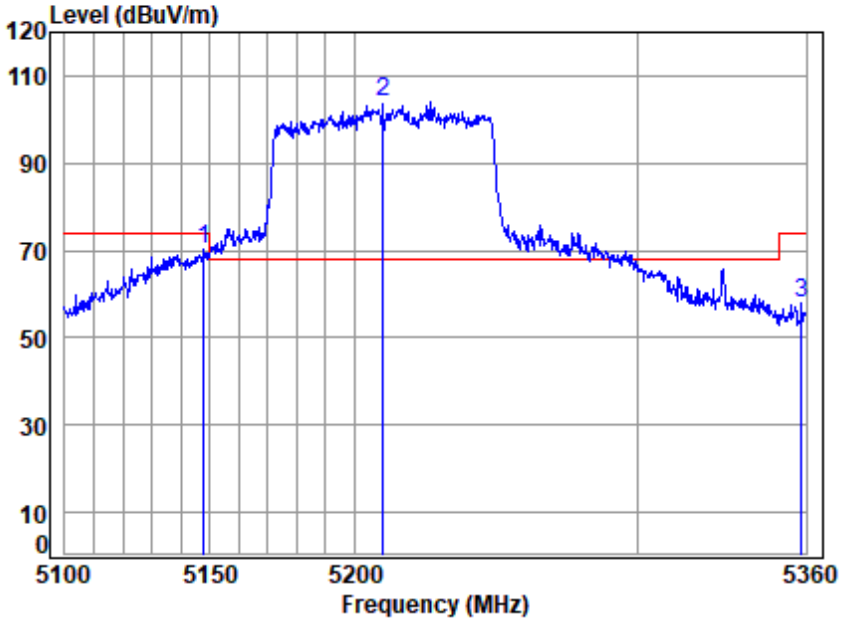


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5230 Band edge
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5230.000	8.29	31.97	31.93	85.45	93.78	------	------	Average
2	5350.020	8.28	32.25	32.10	39.48	47.91	54.00	-6.09	Average
3	5350.587	8.28	32.25	32.10	33.52	41.95	54.00	-12.05	Average

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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle

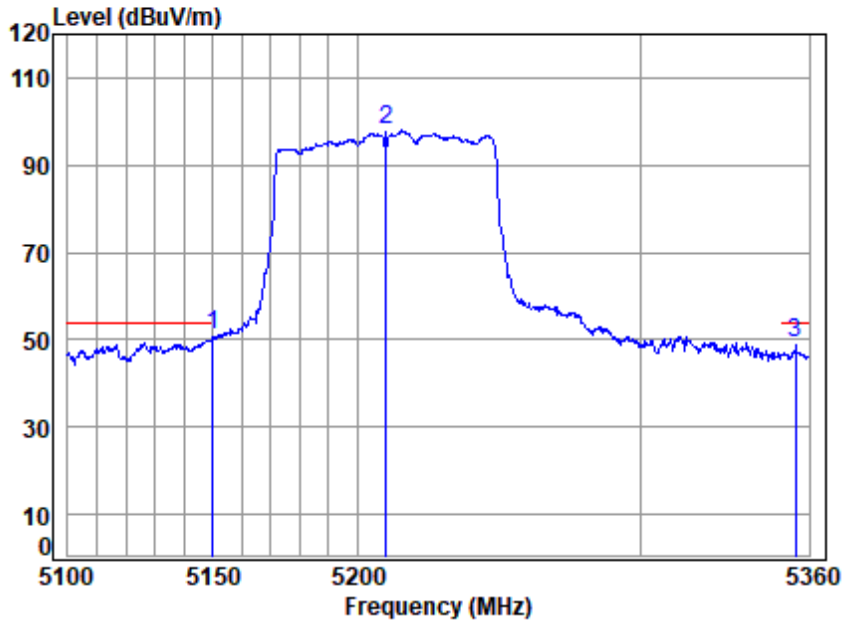


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5210 Band edge
Note : 5G WIFI 11AC80

	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	5147.898	8.29	31.77	31.81	62.24	70.49	74.00	-3.51	peak
2	5210.000	8.29	31.92	31.90	95.55	103.86	68.20	35.66	peak
3	5358.401	8.28	32.27	32.11	49.31	57.75	74.00	-16.25	peak

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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle

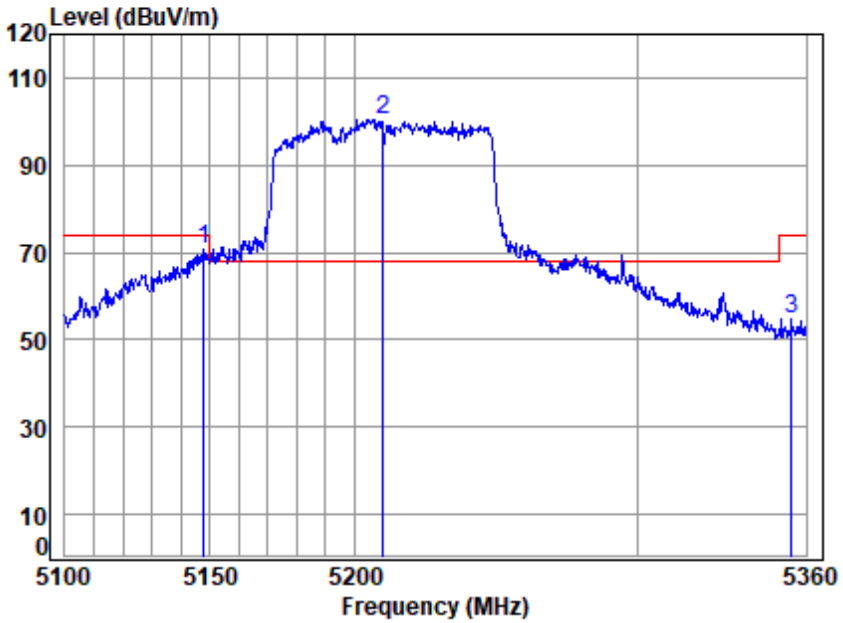


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5210 Band edge
Note : 5G WIFI 11AC80

	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	5149.947	8.29	31.77	31.82	42.64	50.88	54.00	-3.12	Average
2	5210.000	8.29	31.92	31.90	89.58	97.89	------	------	Average
3	5355.205	8.28	32.26	32.10	41.02	49.46	54.00	-4.54	Average

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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle

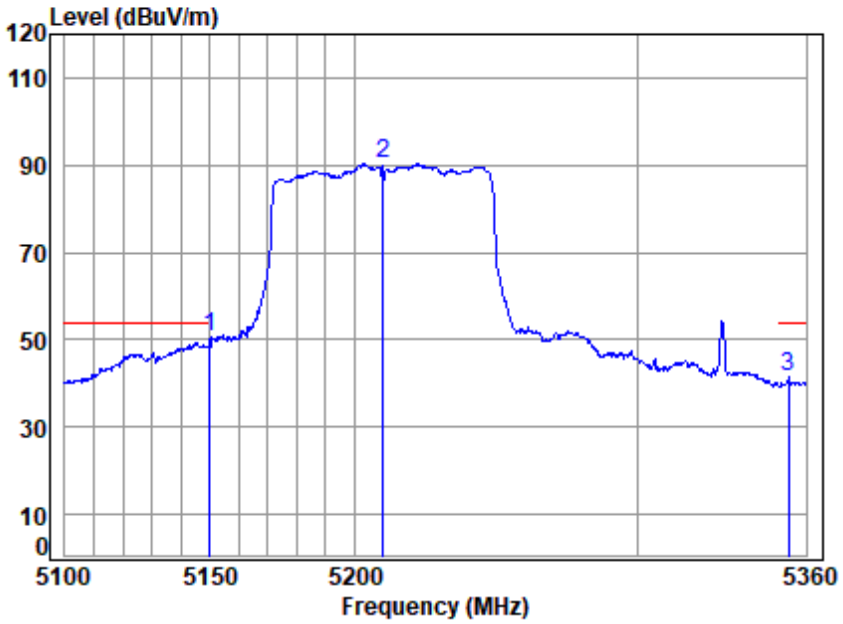


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5210 Band edge
Note : 5G WIFI 11AC80

	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	5147.898	8.29	31.77	31.81	62.40	70.65	74.00	-3.35	Peak
2	5210.000	8.29	31.92	31.90	92.15	100.46	68.20	32.26	Peak
3	5354.672	8.28	32.26	32.10	46.34	54.78	74.00	-19.22	Peak

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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle

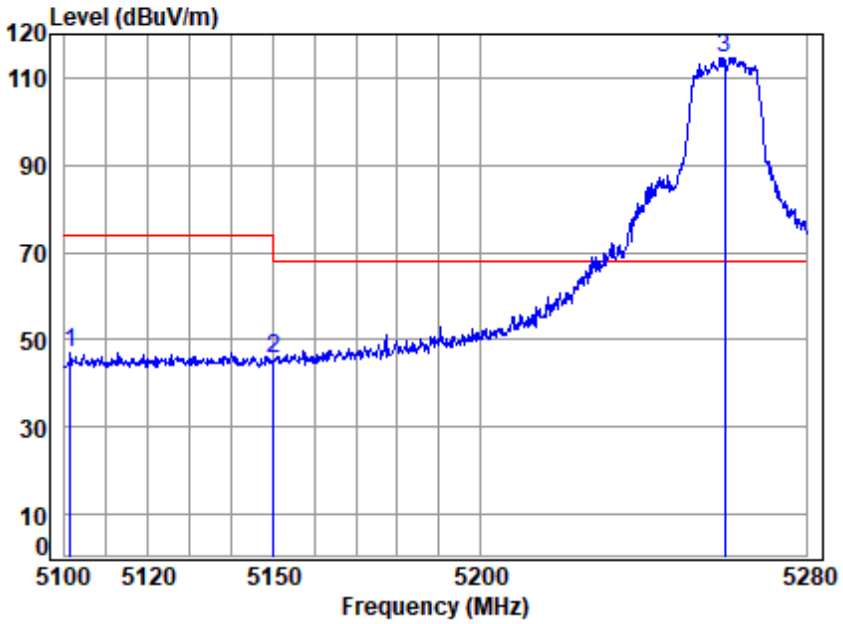


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5210 Band edge
Note : 5G WIFI 11AC80

	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	5149.900	8.29	31.77	31.82	42.38	50.62	54.00	-3.38	Average
2	5210.000	8.29	31.92	31.90	81.92	90.23	------	------	Average
3	5353.874	8.28	32.26	32.10	32.98	41.42	54.00	-12.58	Average

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

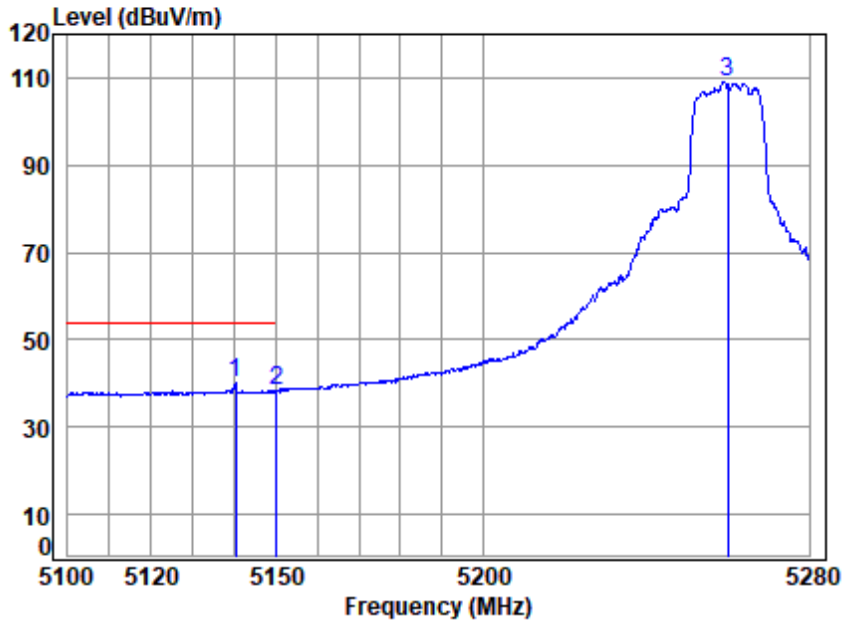


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5260 Band edge
Note : 5G WIFI 11A

	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	5101.416	8.29	31.65	31.75	38.87	47.06	74.00	-26.94	peak
2	5149.980	8.29	31.77	31.82	37.47	45.71	74.00	-28.29	peak
3	5260.000	8.28	32.04	31.97	106.38	114.73	68.20	46.53	peak

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

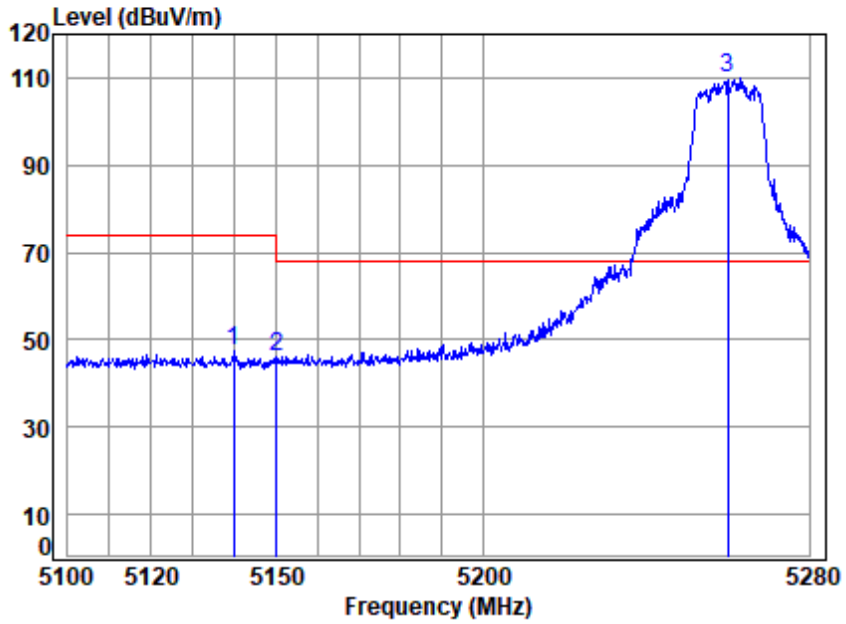


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5260 Band edge
Note : 5G WIFI 11A

	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	5140.136	8.29	31.75	31.80	32.00	40.24	54.00	-13.76	Average
2	5149.980	8.29	31.77	31.82	30.10	38.34	54.00	-15.66	Average
3	5260.000	8.28	32.04	31.97	100.74	109.09	------	------	Average

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Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

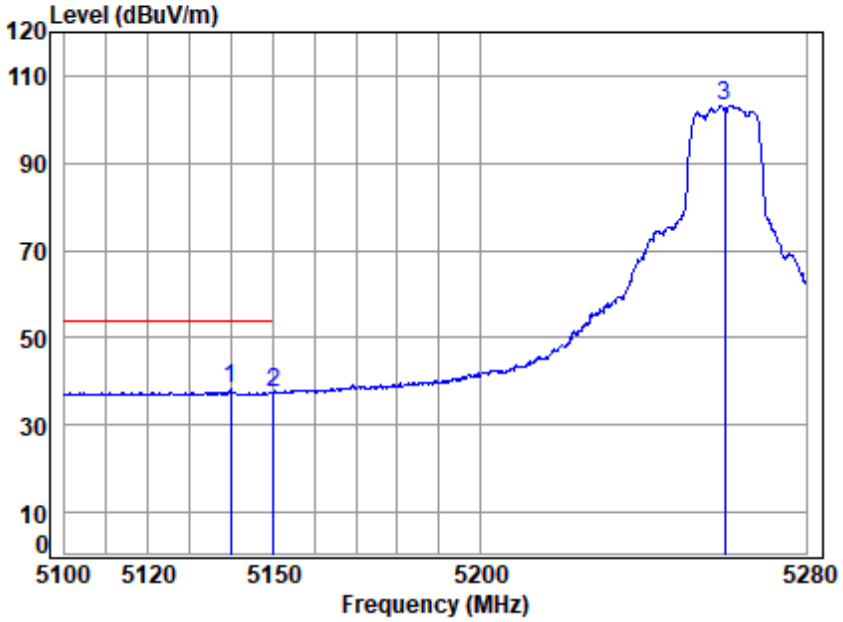


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5260 Band edge
Note : 5G WIFI 11A

	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	5139.779	8.29	31.75	31.80	39.18	47.42	74.00	-26.58	Peak
2	5149.980	8.29	31.77	31.82	37.70	45.94	74.00	-28.06	Peak
3	5260.000	8.28	32.04	31.97	101.51	109.86	68.20	41.66	Peak

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Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

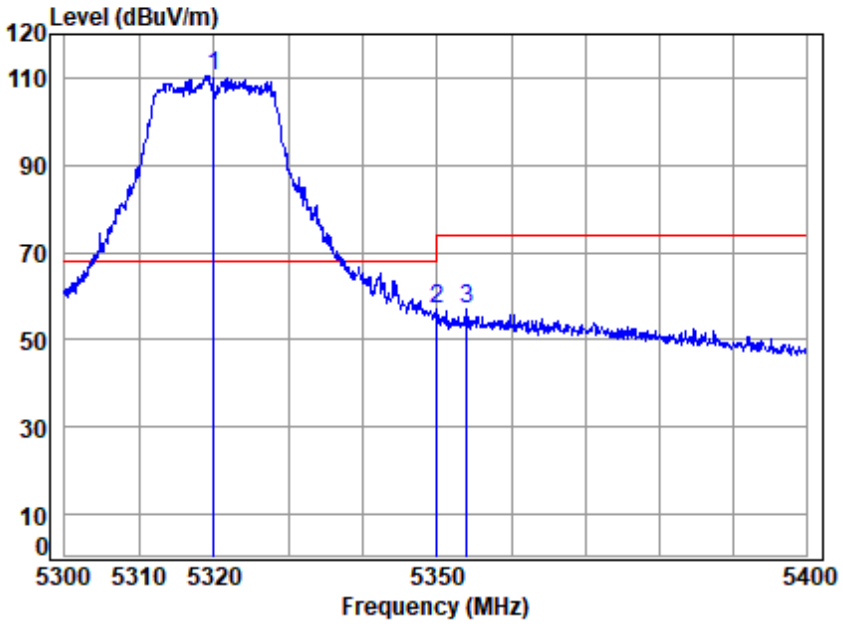


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5260 Band edge
Note : 5G WIFI 11A

	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	5139.779	8.29	31.75	31.80	30.15	38.39	54.00	-15.61	Average
2	5149.980	8.29	31.77	31.82	29.22	37.46	54.00	-16.54	Average
3	5260.000	8.28	32.04	31.97	94.98	103.33	------	------	Average

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High

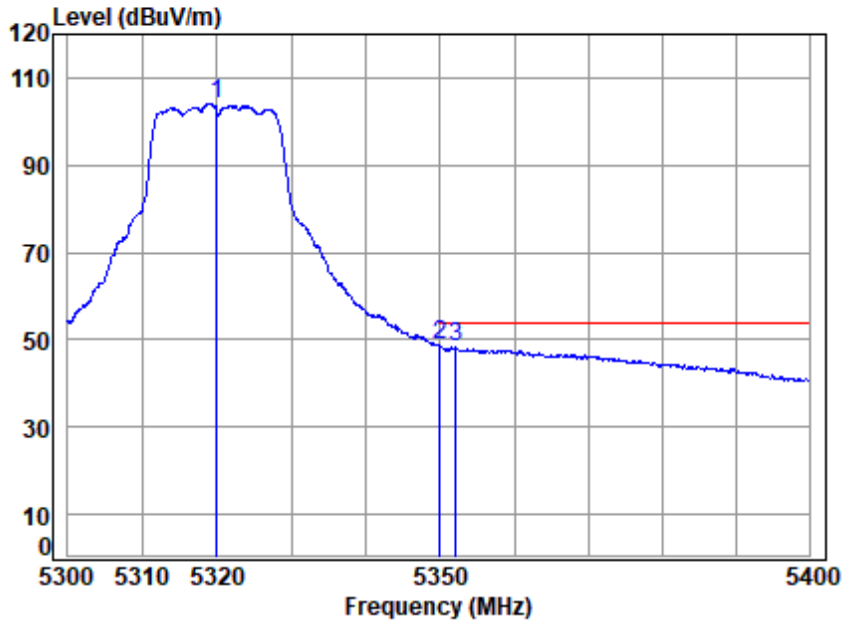


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5320 Band edge
Note : 5G WIFI 11A

	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	5320.000	8.28	32.18	32.06	102.04	110.44	68.20	42.24	peak
2	5350.020	8.28	32.25	32.10	48.77	57.20	74.00	-16.80	peak
3	5353.968	8.28	32.26	32.10	48.61	57.05	74.00	-16.95	peak

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High

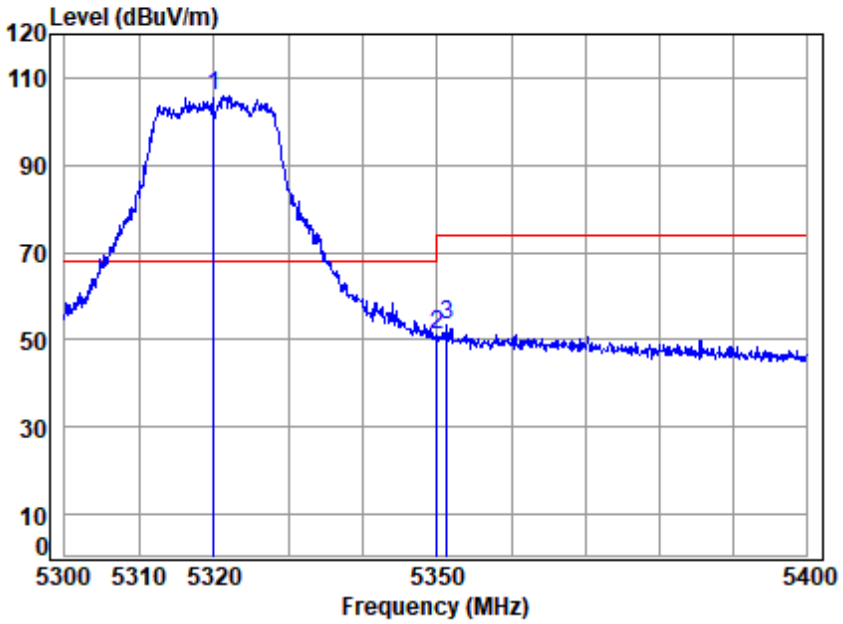


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5320 Band edge
Note : 5G WIFI 11A

	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	5320.000	8.28	32.18	32.06	95.83	104.23	------	------	Average
2	5350.020	8.28	32.25	32.10	40.29	48.72	54.00	-5.28	Average
3	5352.067	8.28	32.26	32.10	39.81	48.25	54.00	-5.75	Average

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Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High

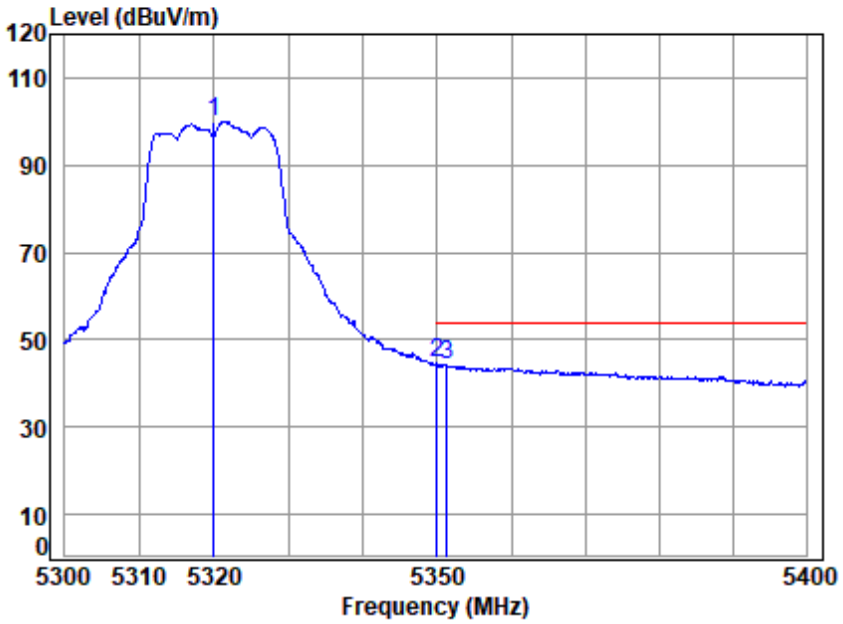


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5320 Band edge
Note : 5G WIFI 11A

	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	5320.000	8.28	32.18	32.06	97.43	105.83	68.20	37.63	Peak
2	5350.020	8.28	32.25	32.10	42.45	50.88	74.00	-23.12	Peak
3	5351.267	8.28	32.25	32.10	44.79	53.22	74.00	-20.78	Peak

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Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High

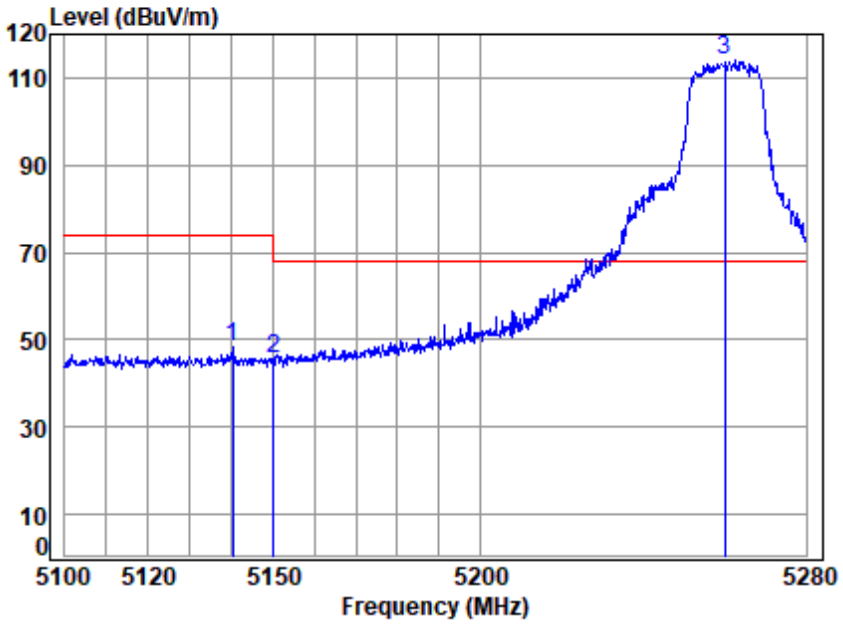


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5320 Band edge
Note : 5G WIFI 11A

	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	5320.000	8.28	32.18	32.06	91.54	99.94	------	------	Average
2	5350.020	8.28	32.25	32.10	36.19	44.62	54.00	-9.38	Average
3	5351.367	8.28	32.26	32.10	35.77	44.21	54.00	-9.79	Average

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

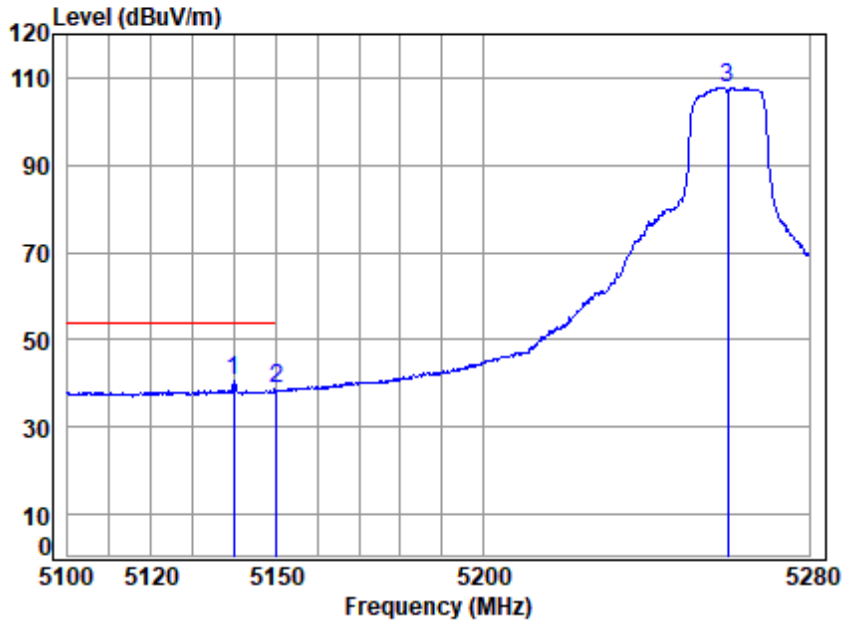


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5260 Band edge
Note : 5G WIFI 11N20

	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	5140.314	8.29	31.75	31.80	40.20	48.44	74.00	-25.56	peak
2	5149.980	8.29	31.77	31.82	37.42	45.66	74.00	-28.34	peak
3	5260.000	8.28	32.04	31.97	105.64	113.99	68.20	45.79	peak

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

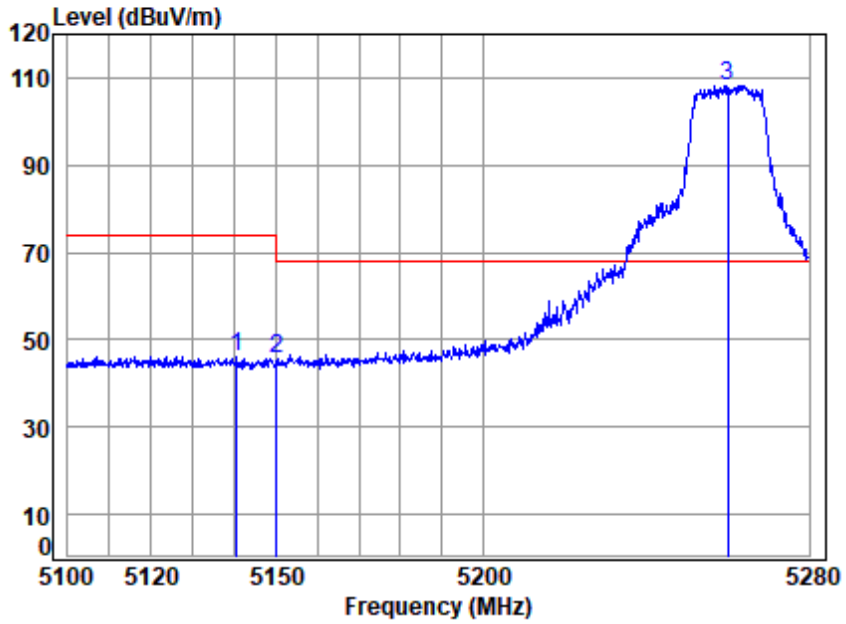


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5260 Band edge
Note : 5G WIFI 11N20

	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	5139.779	8.29	31.75	31.80	32.47	40.71	54.00	-13.29	Average
2	5149.980	8.29	31.77	31.82	30.38	38.62	54.00	-15.38	Average
3	5260.000	8.28	32.04	31.97	99.51	107.86	------	------	Average

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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

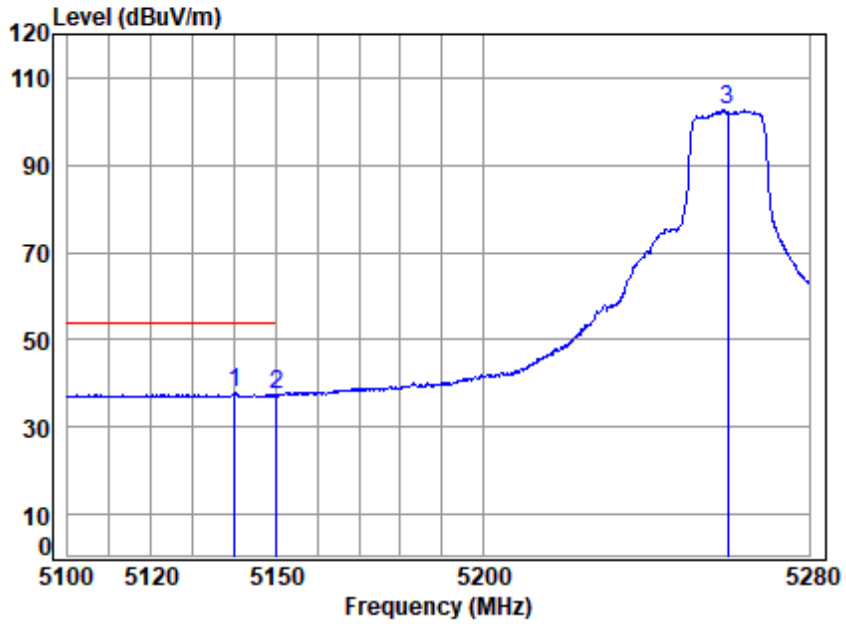


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5260 Band edge
Note : 5G WIFI 11N20

	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	5140.492	8.29	31.75	31.80	37.96	46.20	74.00	-27.80	Peak
2	5149.980	8.29	31.77	31.82	37.54	45.78	74.00	-28.22	Peak
3	5260.000	8.28	32.04	31.97	99.92	108.27	68.20	40.07	Peak

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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

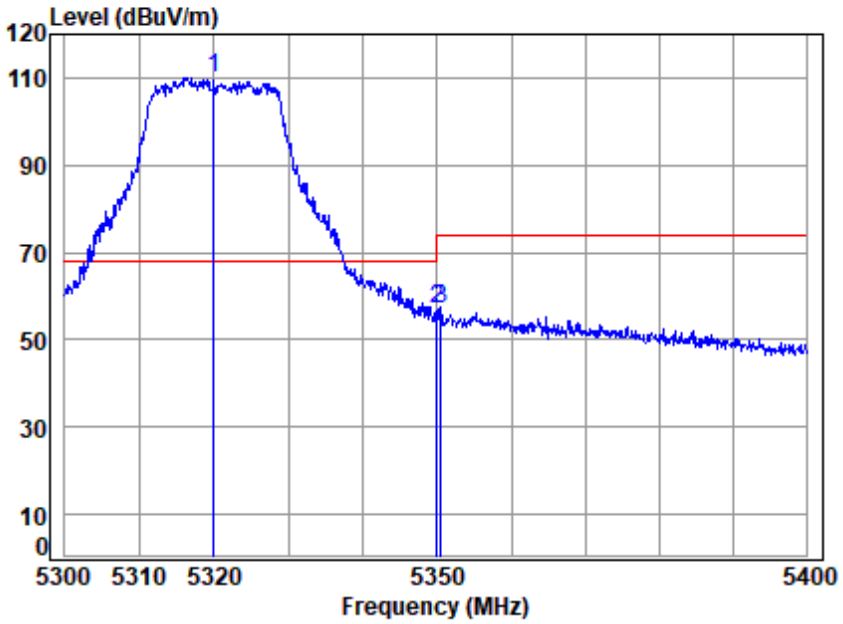


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5260 Band edge
Note : 5G WIFI 11N20

	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	5139.958	8.29	31.75	31.80	29.79	38.03	54.00	-15.97	Average
2	5149.980	8.29	31.77	31.82	29.04	37.28	54.00	-16.72	Average
3	5260.000	8.28	32.04	31.97	94.20	102.55	------	------	Average

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High

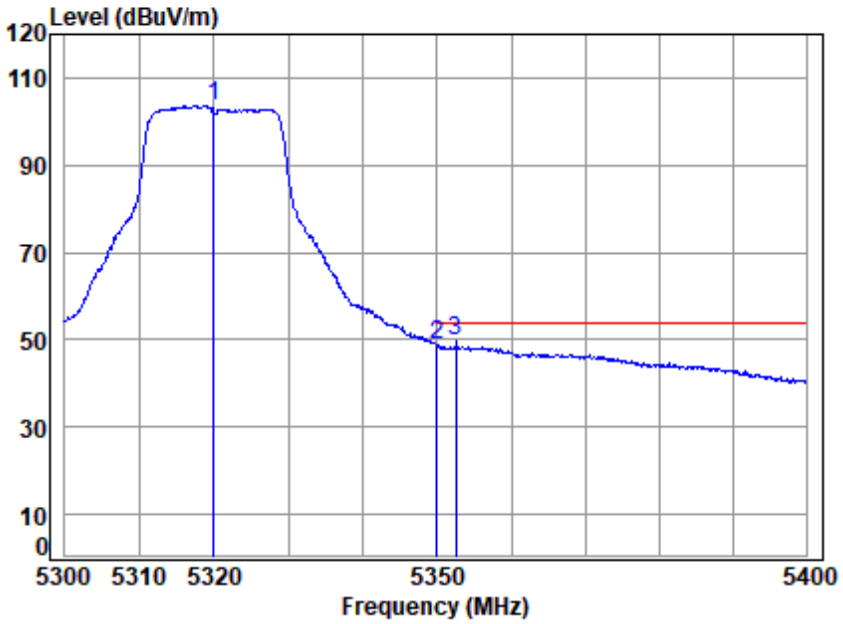


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5320 Band edge
Note : 5G WIFI 11N20

	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	5320.000	8.28	32.18	32.06	101.60	110.00	68.20	41.80	peak
2	5350.020	8.28	32.25	32.10	48.43	56.86	74.00	-17.14	peak
3	5350.566	8.28	32.25	32.10	48.44	56.87	74.00	-17.13	peak

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High

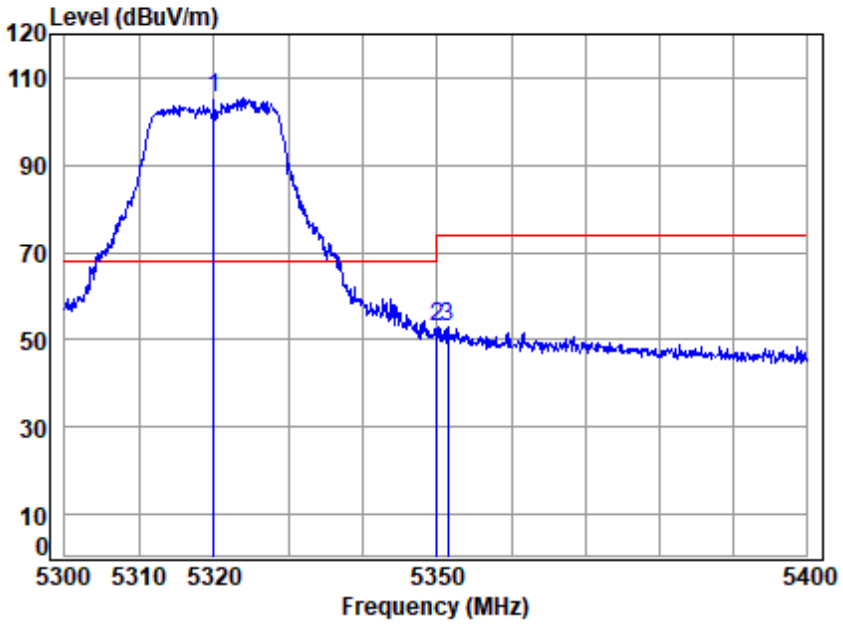


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5320 Band edge
Note : 5G WIFI 11N20

	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	5320.000	8.28	32.18	32.06	95.21	103.61	------	------	Average
2	5350.020	8.28	32.25	32.10	40.53	48.96	54.00	-5.04	Average
3	5352.567	8.28	32.26	32.10	41.10	49.54	54.00	-4.46	Average

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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High

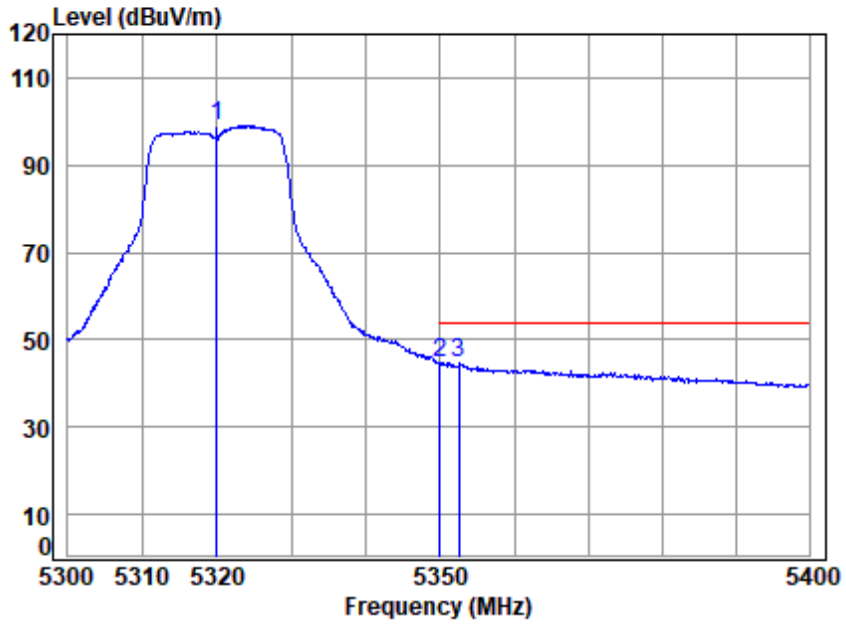


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5320 Band edge
Note : 5G WIFI 11N20

	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	5320.000	8.28	32.18	32.06	96.92	105.32	68.20	37.12	Peak
2	5350.020	8.28	32.25	32.10	44.35	52.78	74.00	-21.22	Peak
3	5351.467	8.28	32.26	32.10	44.41	52.85	74.00	-21.15	Peak

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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High

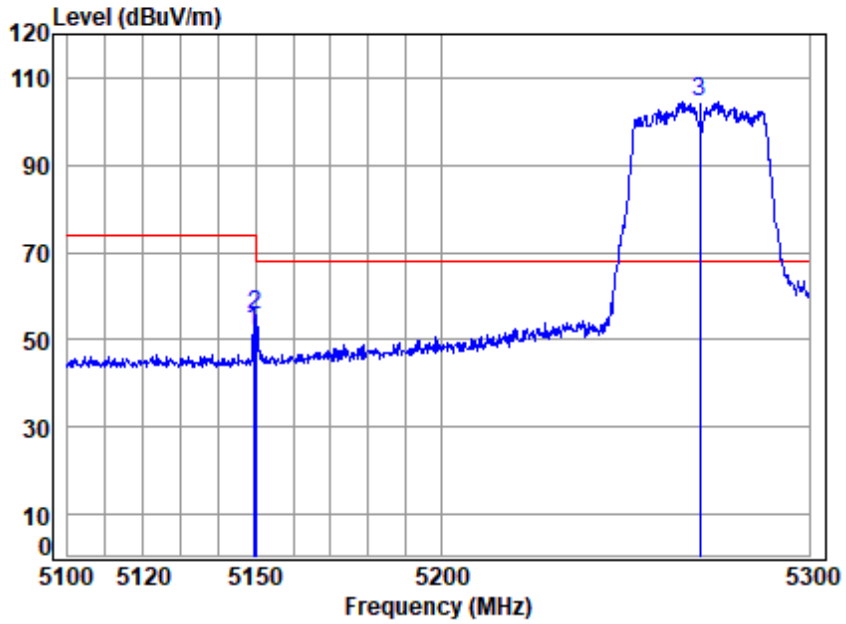


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5320 Band edge
Note : 5G WIFI 11N20

	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	5320.000	8.28	32.18	32.06	90.58	98.98	------	------	Average
2	5350.020	8.28	32.25	32.10	36.49	44.92	54.00	-9.08	Average
3	5352.567	8.28	32.26	32.10	36.37	44.81	54.00	-9.19	Average

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

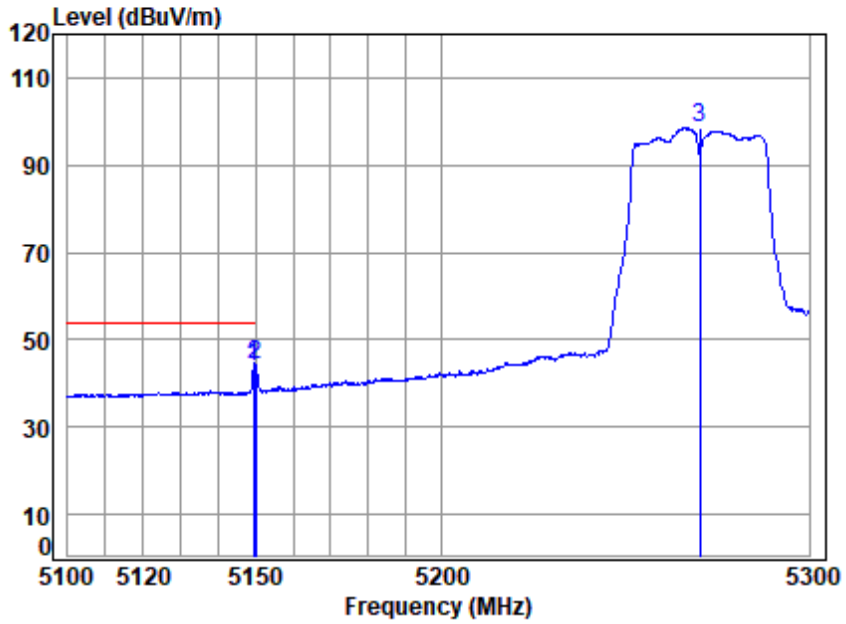


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5270 Band edge
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.479	8.29	31.77	31.82	43.86	52.10	74.00	-21.90	peak
2	5149.980	8.29	31.77	31.82	47.23	55.47	74.00	-18.53	peak
3	5270.000	8.28	32.06	31.99	96.00	104.35	68.20	36.15	peak

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

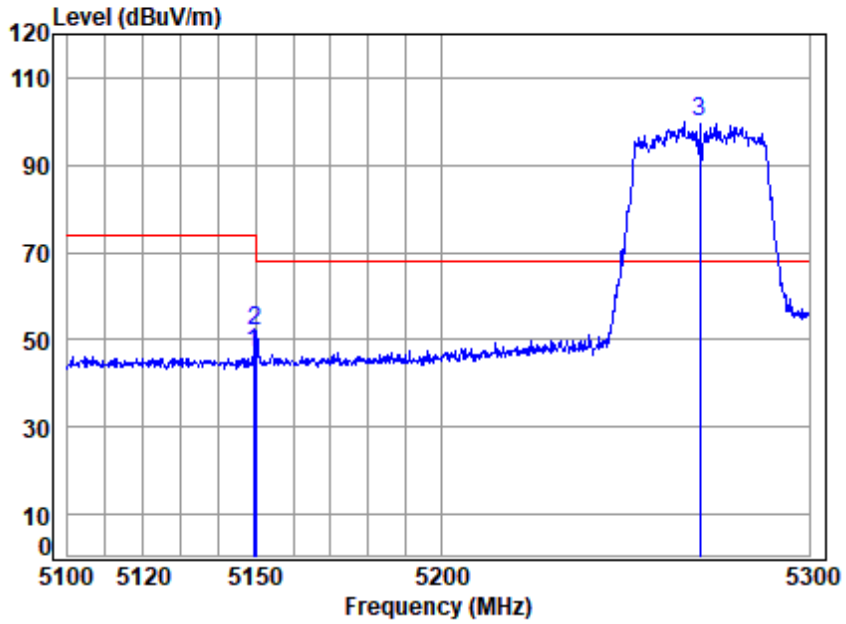


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5270 Band edge
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.479	8.29	31.77	31.82	35.47	43.71	54.00	-10.29	Average
2	5149.980	8.29	31.77	31.82	36.17	44.41	54.00	-9.59	Average
3	5270.000	8.28	32.06	31.99	90.29	98.64	------	------	Average

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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

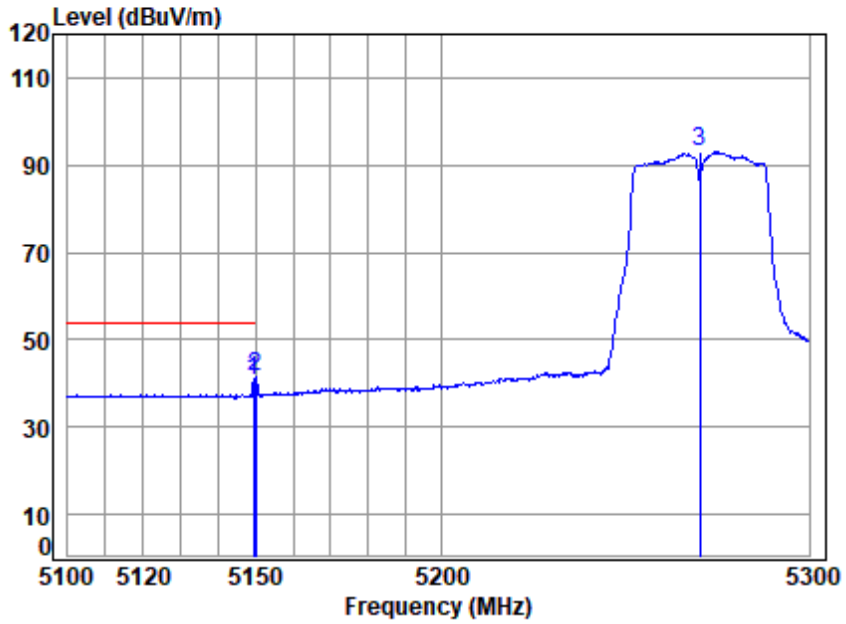


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5270 Band edge
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.479	8.29	31.77	31.82	38.71	46.95	74.00	-27.05	Peak
2	5149.980	8.29	31.77	31.82	43.67	51.91	74.00	-22.09	Peak
3	5270.000	8.28	32.06	31.99	91.54	99.89	68.20	31.69	Peak

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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

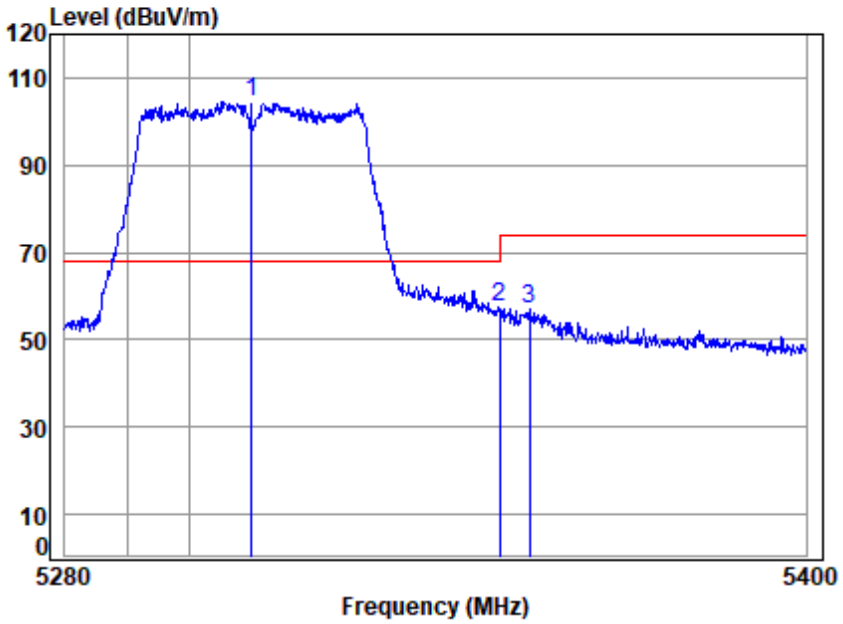


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5270 Band edge
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.479	8.29	31.77	31.82	32.18	40.42	54.00	-13.58	Average
2	5149.980	8.29	31.77	31.82	33.06	41.30	54.00	-12.70	Average
3	5270.000	8.28	32.06	31.99	84.62	92.97	------	------	Average

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High

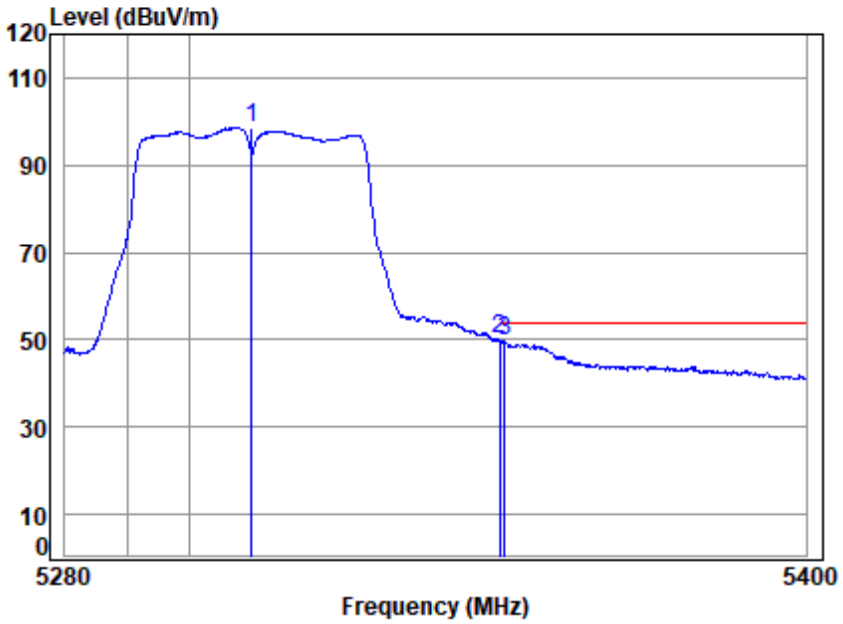


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5310 Band edge
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5310.000	8.28	32.16	32.04	96.12	104.52	68.20	36.32	peak
2	5350.020	8.28	32.25	32.10	49.14	57.57	74.00	-16.43	peak
3	5354.924	8.28	32.26	32.10	48.70	57.14	74.00	-16.86	peak

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High

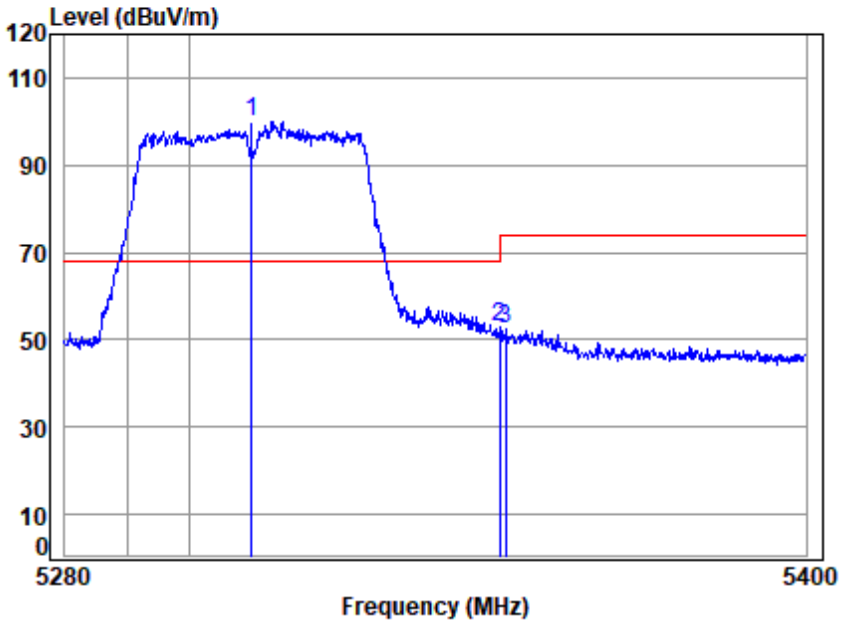


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5310 Band edge
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5310.000	8.28	32.16	32.04	90.17	98.57	------	------	Average
2	5350.020	8.28	32.25	32.10	41.69	50.12	54.00	-3.88	Average
3	5350.834	8.28	32.25	32.10	41.24	49.67	54.00	-4.33	Average

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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High

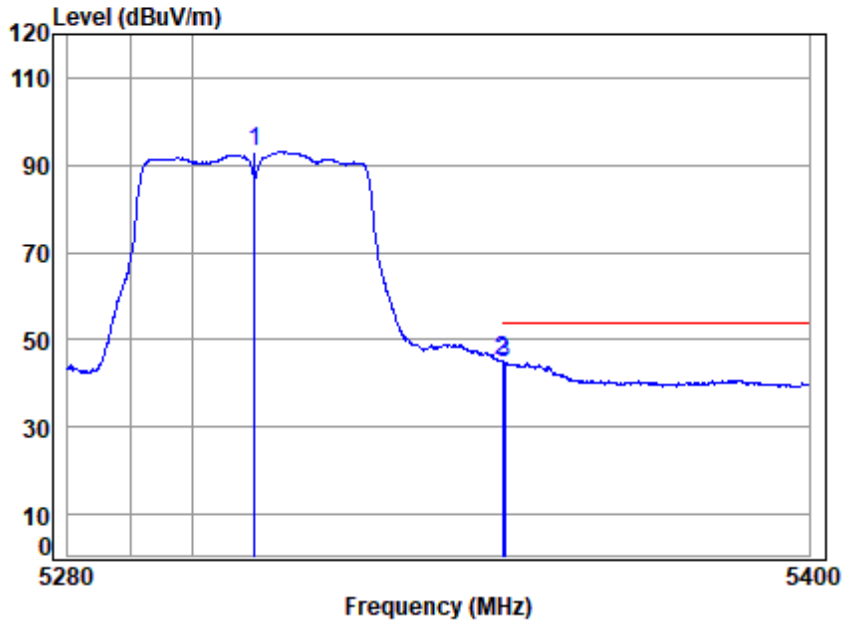


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5310 Band edge
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5310.000	8.28	32.16	32.04	91.62	100.02	68.20	31.82	Peak
2	5350.020	8.28	32.25	32.10	44.48	52.91	74.00	-21.09	Peak
3	5351.075	8.28	32.25	32.10	43.83	52.26	74.00	-21.74	Peak

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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High

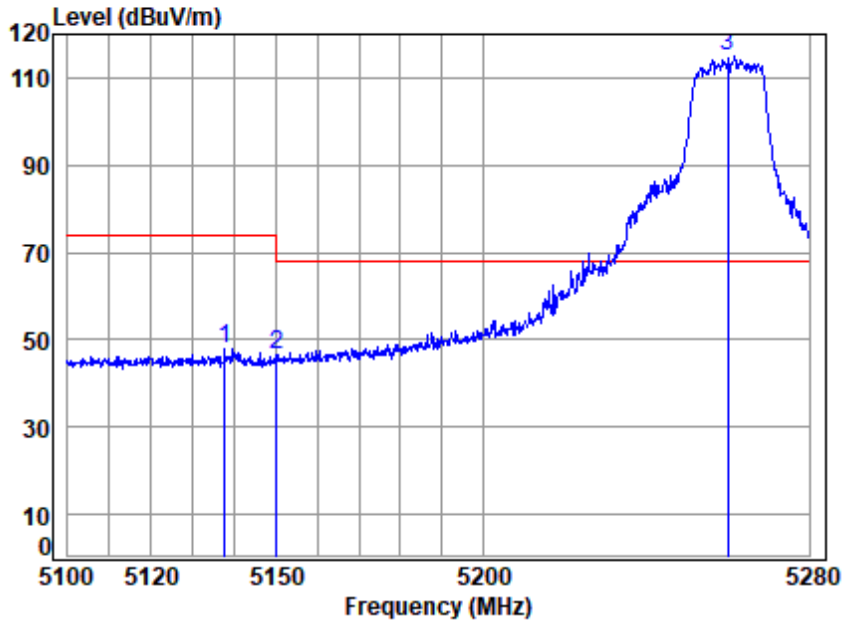


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5310 Band edge
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5310.000	8.28	32.16	32.04	84.68	93.08	------	------	Average
2	5350.020	8.28	32.25	32.10	36.67	45.10	54.00	-8.90	Average
3	5350.474	8.28	32.25	32.10	36.43	44.86	54.00	-9.14	Average

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

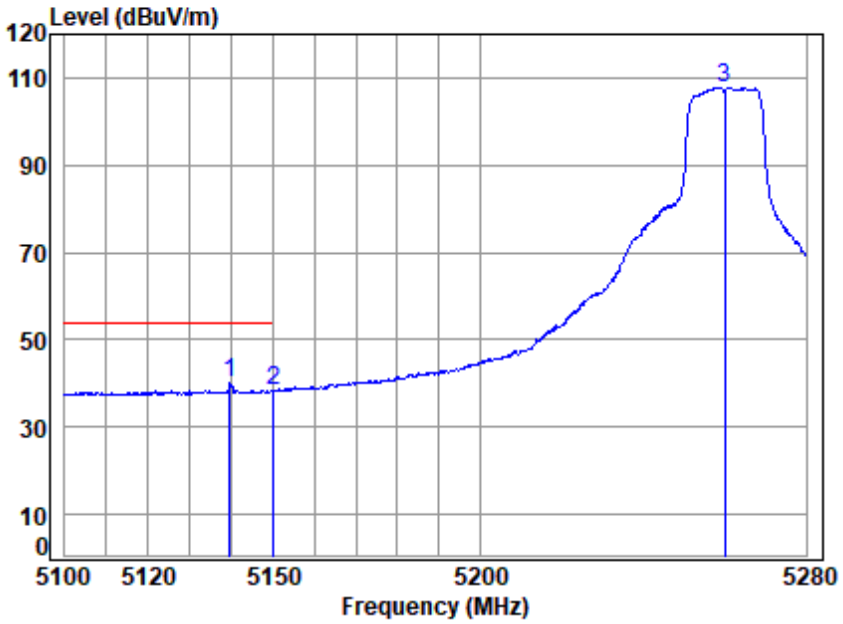


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5260 Band edge
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5137.640	8.29	31.74	31.80	39.57	47.80	74.00	-26.20	peak
2	5149.980	8.29	31.77	31.82	38.22	46.46	74.00	-27.54	peak
3	5260.000	8.28	32.04	31.97	106.51	114.86	68.20	46.66	peak

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

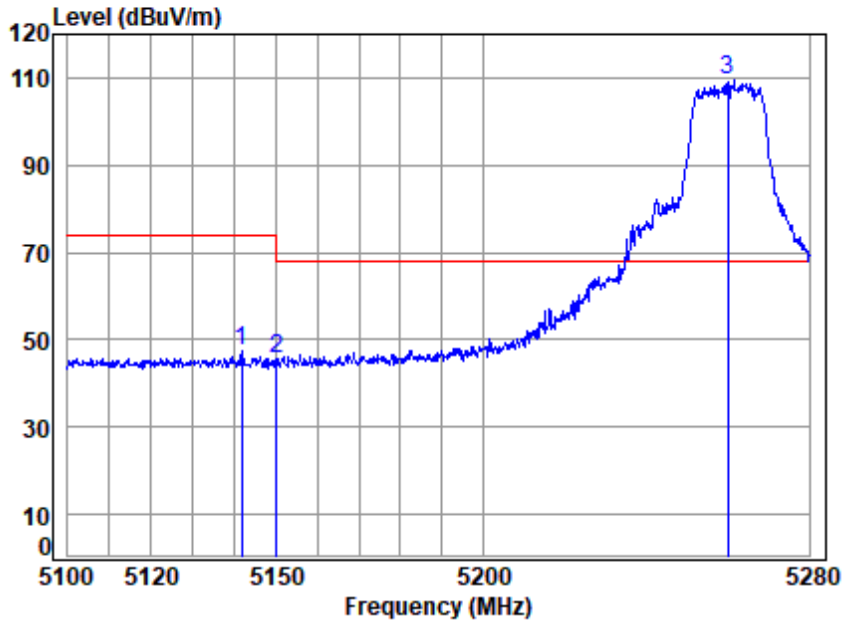


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5260 Band edge
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5139.601	8.29	31.75	31.80	31.72	39.96	54.00	-14.04	Average
2	5149.980	8.29	31.77	31.82	30.26	38.50	54.00	-15.50	Average
3	5260.000	8.28	32.04	31.97	99.47	107.82	------	------	Average

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Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

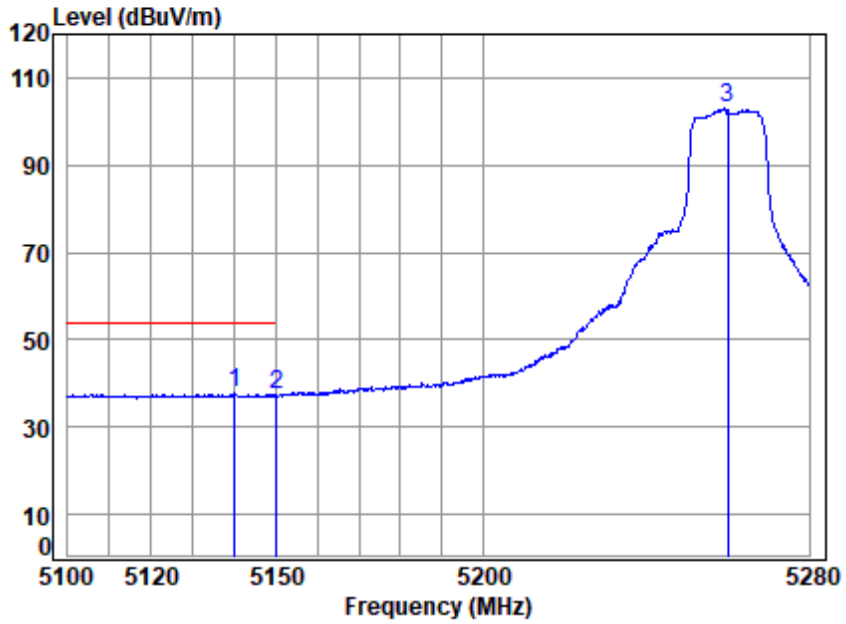


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5260 Band edge
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5141.741	8.29	31.75	31.81	39.28	47.51	74.00	-26.49	Peak
2	5149.980	8.29	31.77	31.82	37.56	45.80	74.00	-28.20	Peak
3	5260.000	8.28	32.04	31.97	101.17	109.52	68.20	41.32	Peak

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Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

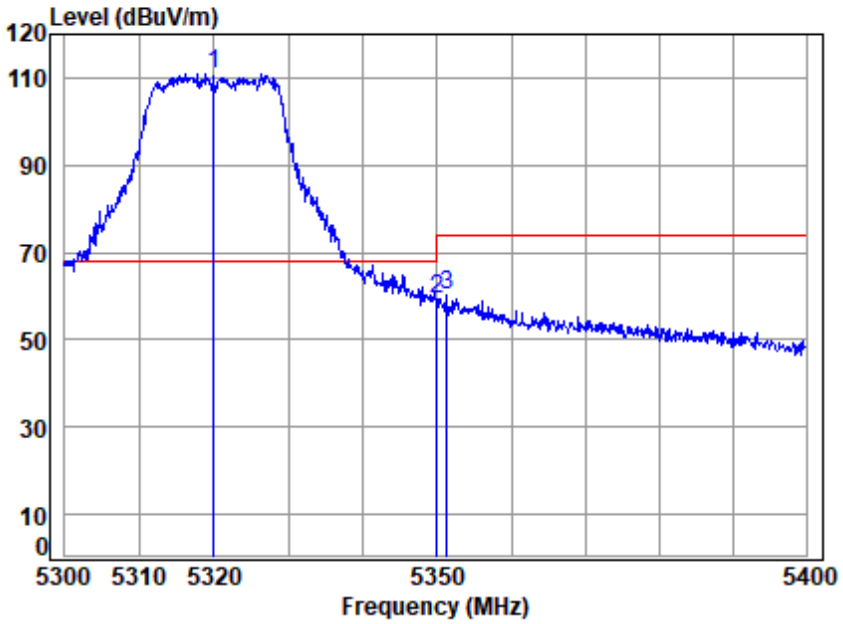


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5260 Band edge
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5139.958	8.29	31.75	31.80	29.67	37.91	54.00	-16.09	Average
2	5149.980	8.29	31.77	31.82	29.26	37.50	54.00	-16.50	Average
3	5260.000	8.28	32.04	31.97	94.59	102.94	------	------	Average

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High

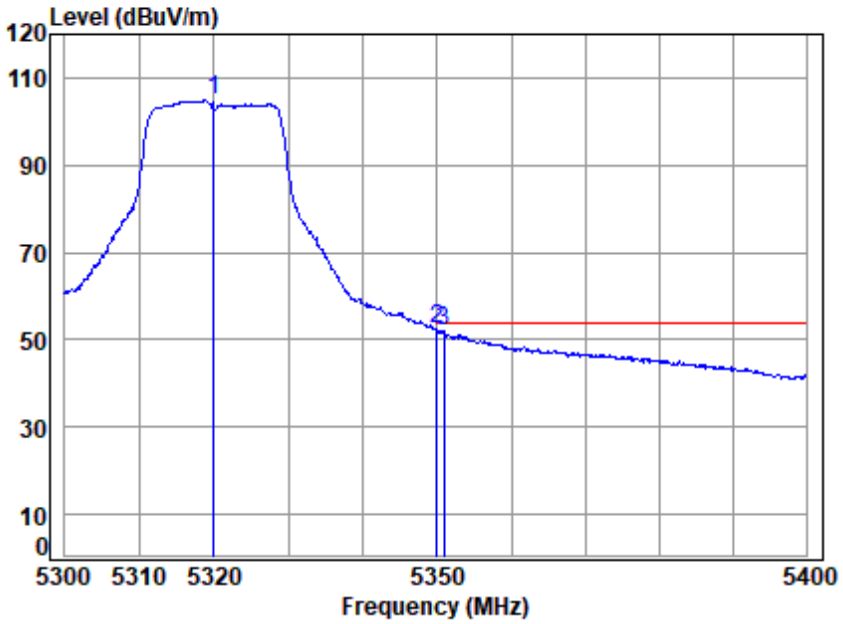


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5320 Band edge
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	8.28	32.18	32.06	102.62	111.02	68.20	42.82	peak
2	5350.020	8.28	32.25	32.10	51.01	59.44	74.00	-14.56	peak
3	5351.267	8.28	32.25	32.10	51.90	60.33	74.00	-13.67	peak

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High

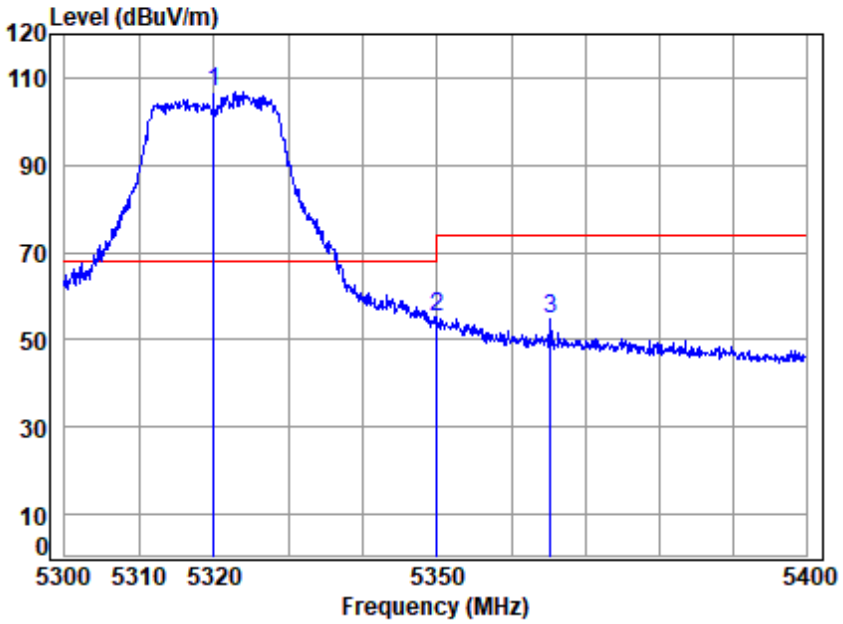


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5320 Band edge
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	8.28	32.18	32.06	96.45	104.85	------	------	Average
2	5350.020	8.28	32.25	32.10	43.93	52.36	54.00	-1.64	Average
3	5350.866	8.28	32.25	32.10	43.62	52.05	54.00	-1.95	Average

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Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High

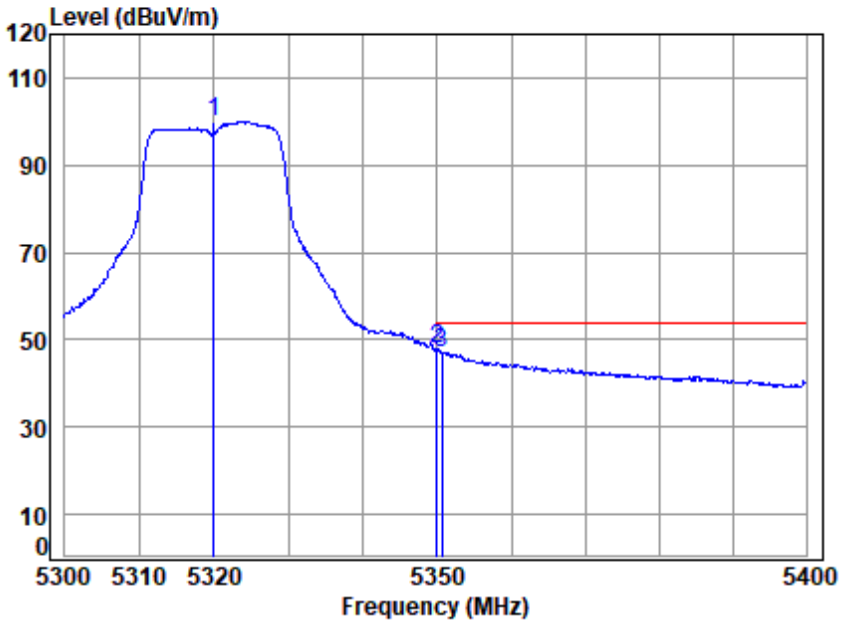


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5320 Band edge
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	8.28	32.18	32.06	98.46	106.86	68.20	38.66	Peak
2	5350.020	8.28	32.25	32.10	46.79	55.22	74.00	-18.78	Peak
3	5365.289	8.28	32.29	32.12	46.42	54.87	74.00	-19.13	Peak

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Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High

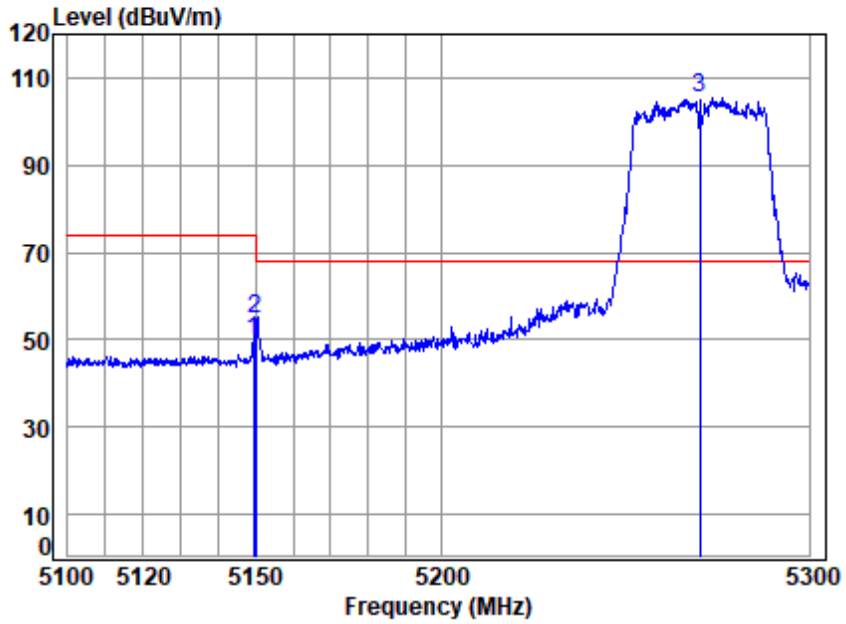


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5320 Band edge
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	8.28	32.18	32.06	91.58	99.98	------	------	Average
2	5350.020	8.28	32.25	32.10	39.51	47.94	54.00	-6.06	Average
3	5350.667	8.28	32.25	32.10	38.60	47.03	54.00	-6.97	Average

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

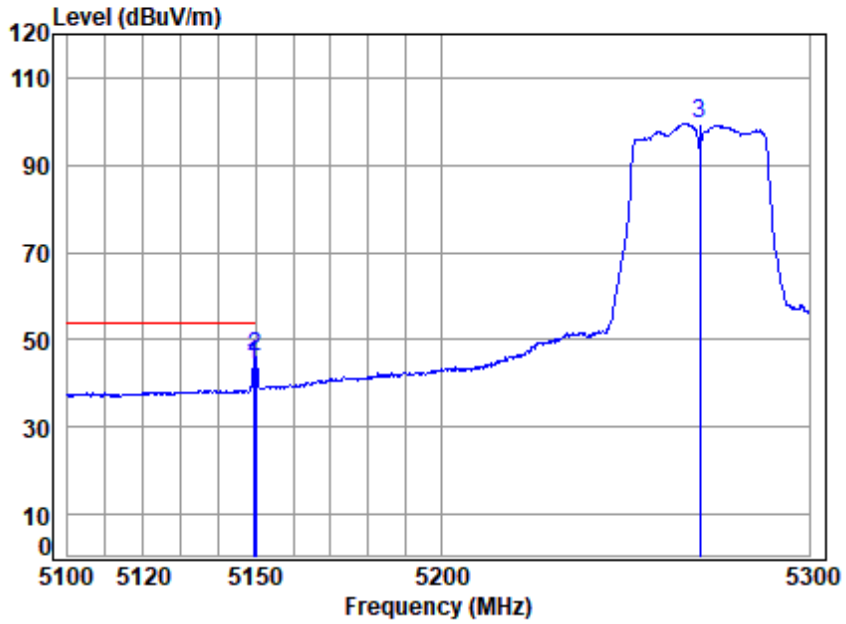


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5270 Band edge
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.479	8.29	31.77	31.82	41.53	49.77	74.00	-24.23	peak
2	5149.980	8.29	31.77	31.82	46.69	54.93	74.00	-19.07	peak
3	5270.000	8.28	32.06	31.99	97.05	105.40	68.20	37.20	peak

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

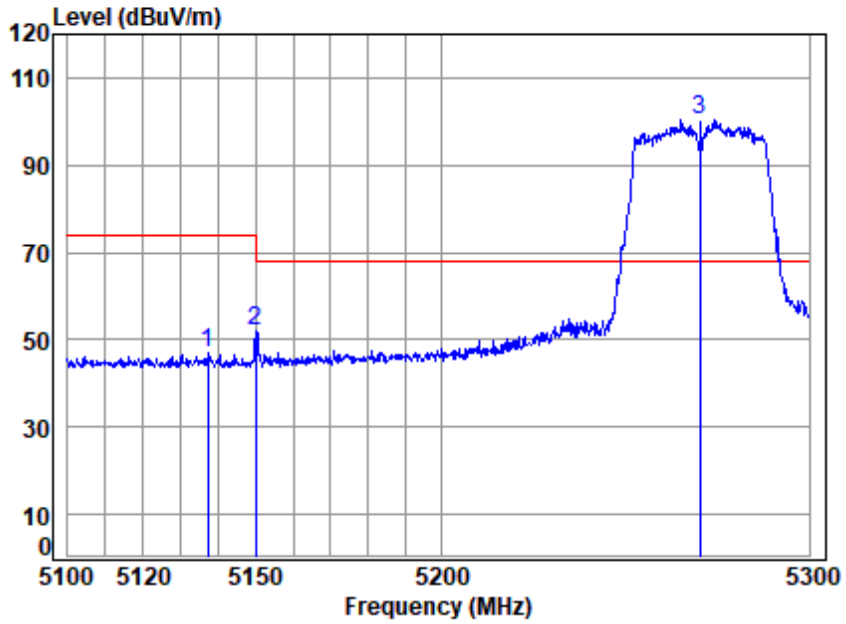


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5270 Band edge
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.479	8.29	31.77	31.82	36.00	44.24	54.00	-9.76	Average
2	5149.980	8.29	31.77	31.82	37.78	46.02	54.00	-7.98	Average
3	5270.000	8.28	32.06	31.99	91.14	99.49	------	------	Average

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Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

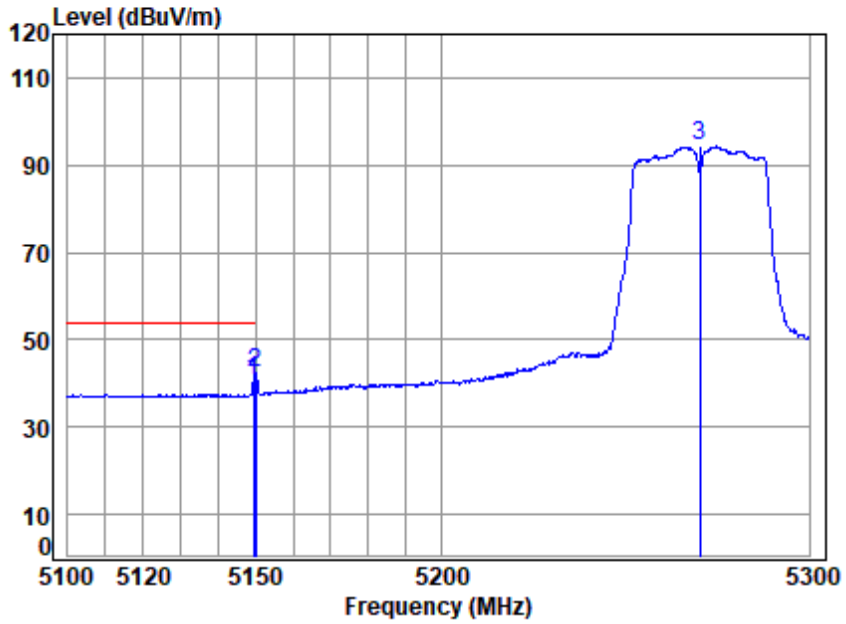


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5270 Band edge
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5137.213	8.29	31.74	31.80	38.70	46.93	74.00	-27.07	Peak
2	5149.980	8.29	31.77	31.82	43.58	51.82	74.00	-22.18	Peak
3	5270.000	8.28	32.06	31.99	92.08	100.43	68.20	32.23	Peak

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Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

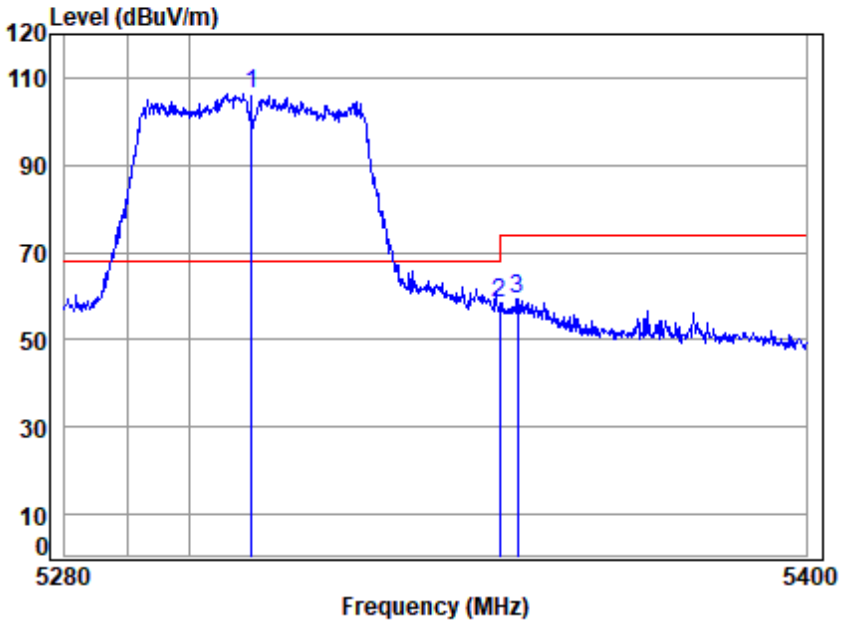


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5270 Band edge
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.479	8.29	31.77	31.82	32.45	40.69	54.00	-13.31	Average
2	5149.980	8.29	31.77	31.82	34.36	42.60	54.00	-11.40	Average
3	5270.000	8.28	32.06	31.99	85.89	94.24	------	------	Average

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

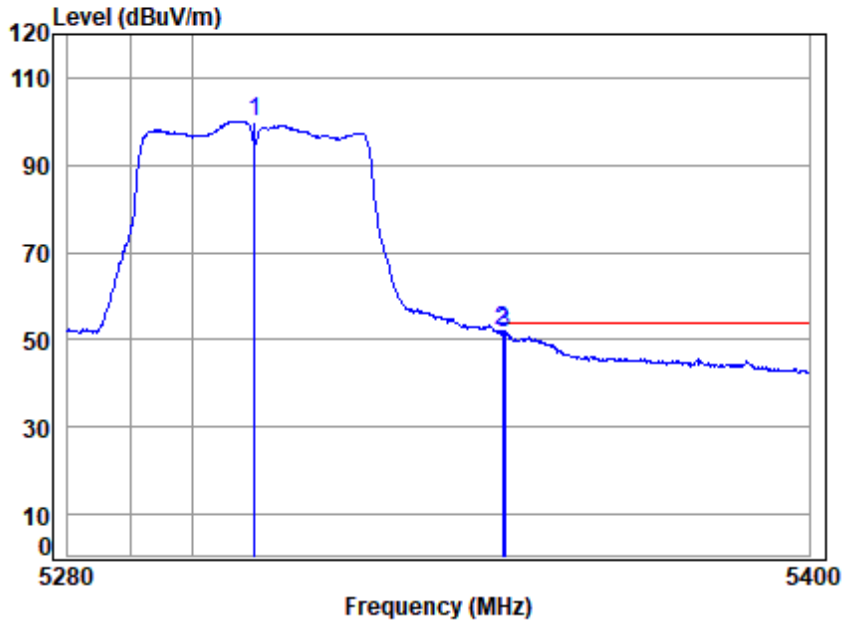


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5310 Band edge
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5310.000	8.28	32.16	32.04	97.78	106.18	68.20	37.98	peak
2	5350.020	8.28	32.25	32.10	49.99	58.42	74.00	-15.58	peak
3	5352.999	8.28	32.26	32.10	50.84	59.28	74.00	-14.72	peak

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

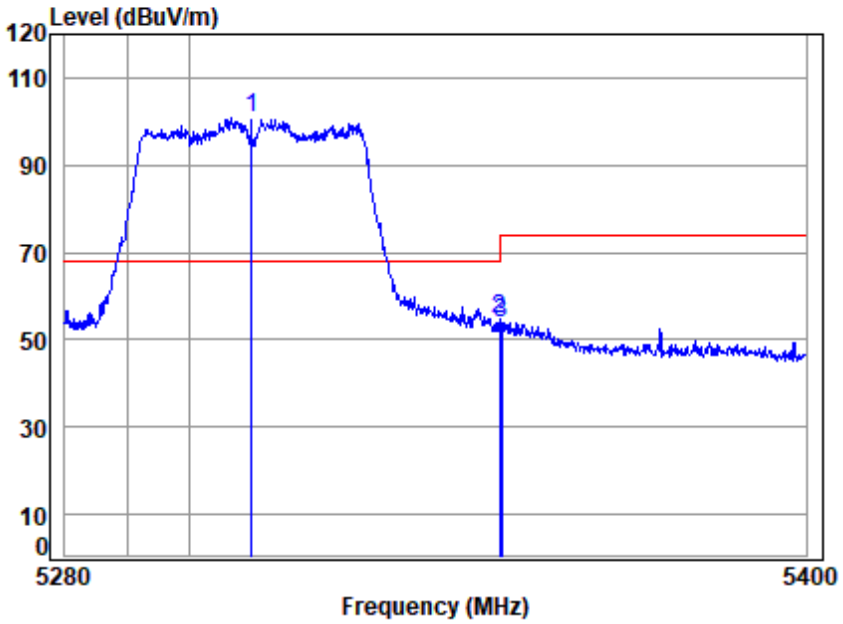


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5310 Band edge
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5310.000	8.28	32.16	32.04	91.74	100.14	------	------	Average
2	5350.020	8.28	32.25	32.10	43.47	51.90	54.00	-2.10	Average
3	5350.474	8.28	32.25	32.10	43.07	51.50	54.00	-2.50	Average

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Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

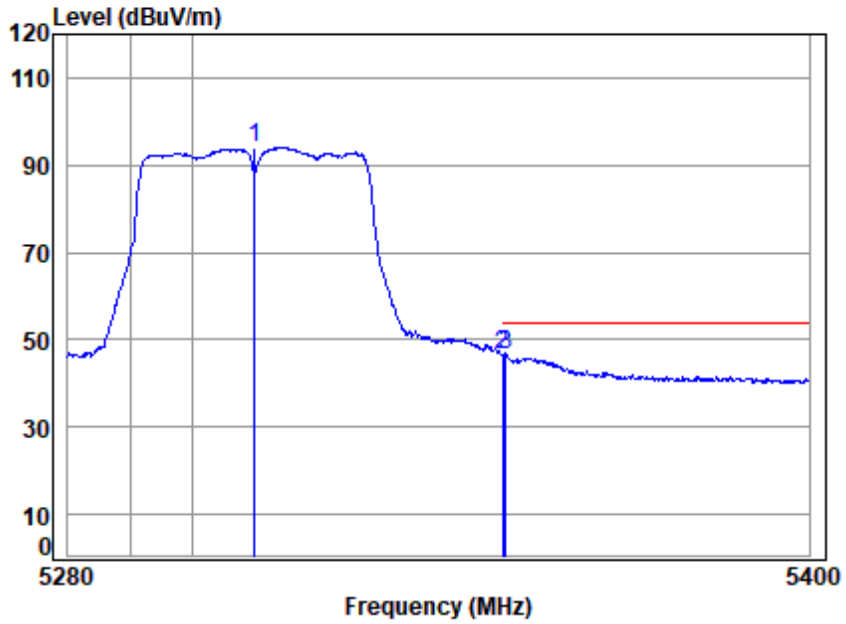


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5310 Band edge
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5310.000	8.28	32.16	32.04	92.22	100.62	68.20	32.42	Peak
2	5350.020	8.28	32.25	32.10	46.11	54.54	74.00	-19.46	Peak
3	5350.474	8.28	32.25	32.10	45.45	53.88	74.00	-20.12	Peak

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Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

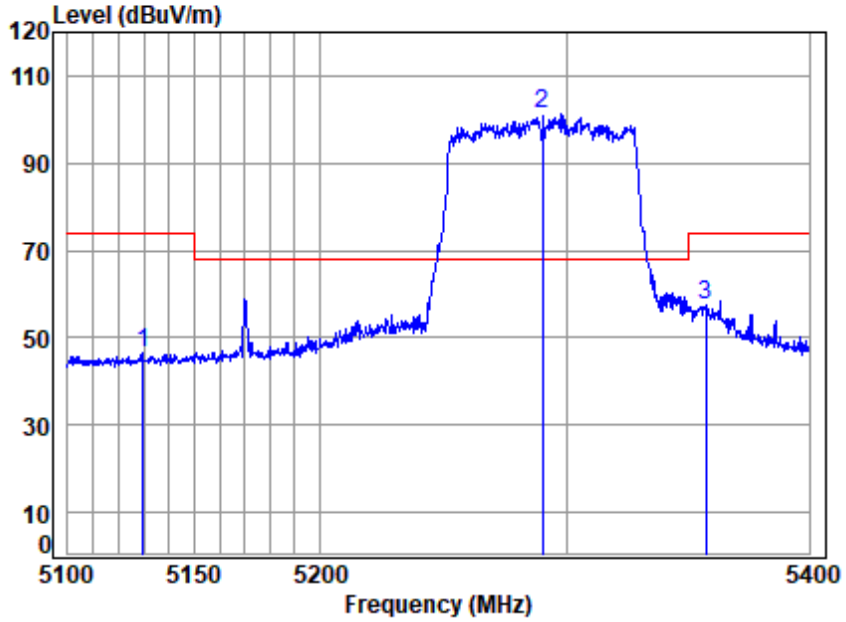


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5310 Band edge
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5310.000	8.28	32.16	32.04	85.73	94.13	------	------	Average
2	5350.020	8.28	32.25	32.10	38.28	46.71	54.00	-7.29	Average
3	5350.594	8.28	32.25	32.10	38.22	46.65	54.00	-7.35	Average

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle

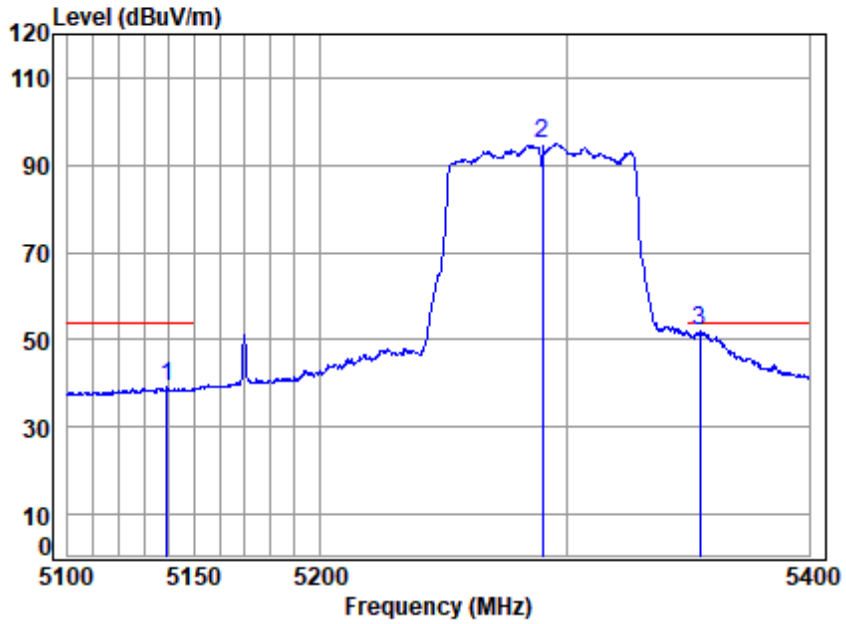


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5290 Band edge
Note : 5G WIFI 11AC80

	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	5129.527	8.29	31.72	31.79	38.46	46.68	74.00	-27.32	peak
2	5290.000	8.28	32.11	32.01	92.77	101.15	68.20	32.95	peak
3	5357.267	8.28	32.27	32.11	49.03	57.47	74.00	-16.53	peak

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle

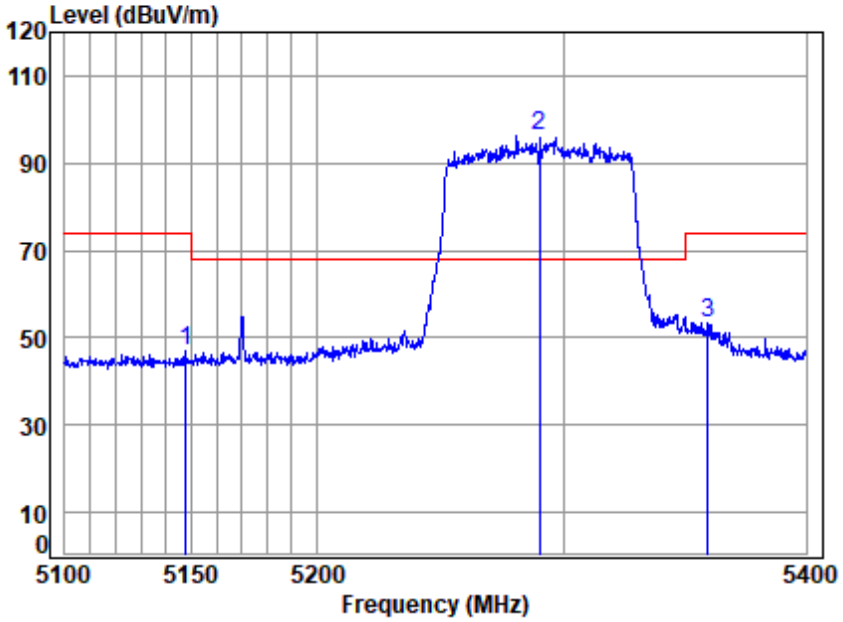


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5290 Band edge
Note : 5G WIFI 11AC80

	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	5139.212	8.29	31.75	31.80	30.94	39.18	54.00	-14.82	Average
2	5290.000	8.28	32.11	32.01	86.46	94.84	------	------	Average
3	5354.818	8.28	32.26	32.10	43.55	51.99	54.00	-2.01	Average

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Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle

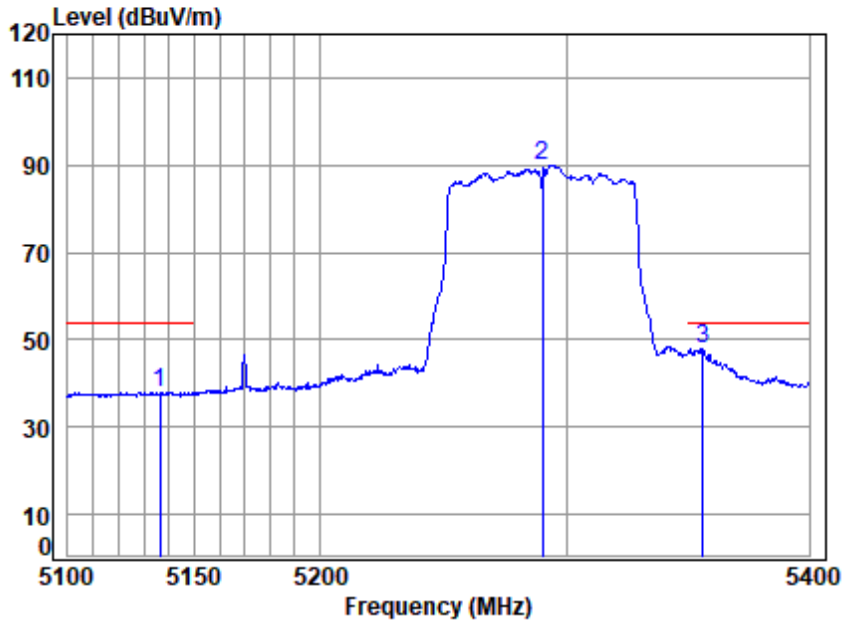


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5290 Band edge
Note : 5G WIFI 11AC80

	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	5147.738	8.29	31.77	31.81	38.86	47.11	74.00	-26.89	Peak
2	5290.000	8.28	32.11	32.01	87.72	96.10	68.20	27.90	Peak
3	5359.104	8.28	32.27	32.11	45.06	53.50	74.00	-20.50	Peak

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Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle

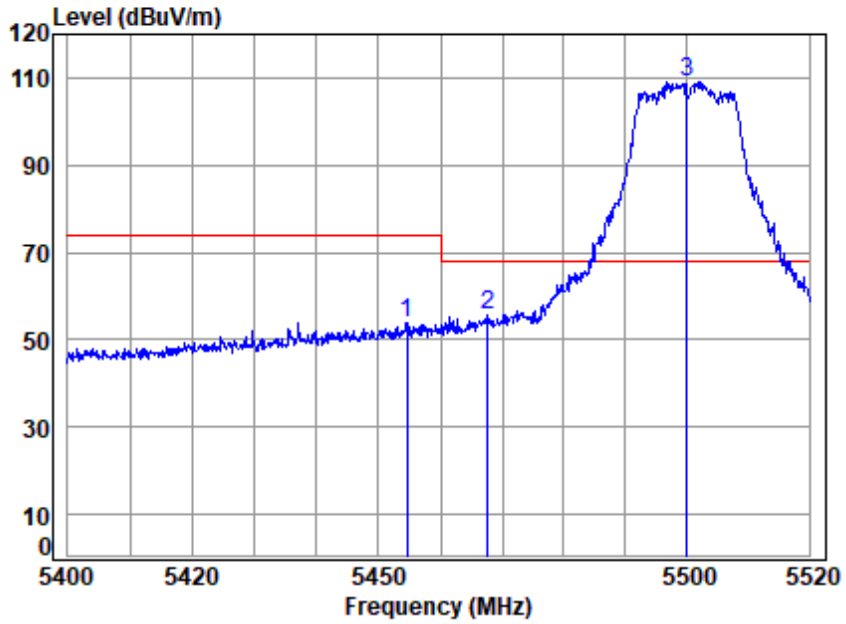


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5290 Band edge
Note : 5G WIFI 11AC80

	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	5136.569	8.29	31.74	31.80	29.80	38.03	54.00	-15.97	Average
2	5290.000	8.28	32.11	32.01	81.64	90.02	------	------	Average
3	5356.042	8.28	32.27	32.11	39.45	47.89	54.00	-6.11	Average

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

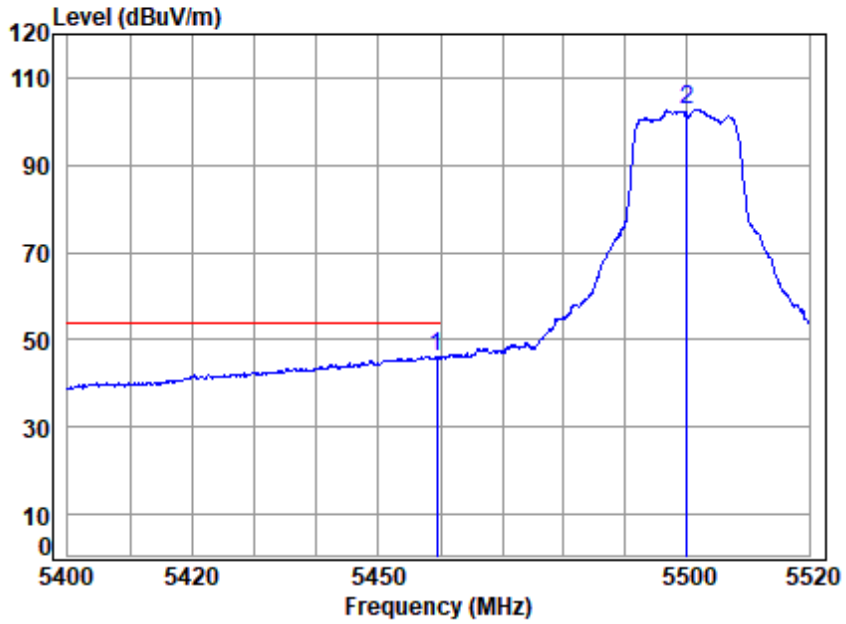


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5500 Band edge
Note : 5G WIFI 11A

	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	5454.513	8.27	32.50	32.24	45.38	53.91	74.00	-20.09	peak
2	5467.596	8.27	32.53	32.26	47.06	55.60	68.20	-12.60	peak
3	5500.000	8.27	32.60	32.30	100.58	109.15	68.20	40.95	peak

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

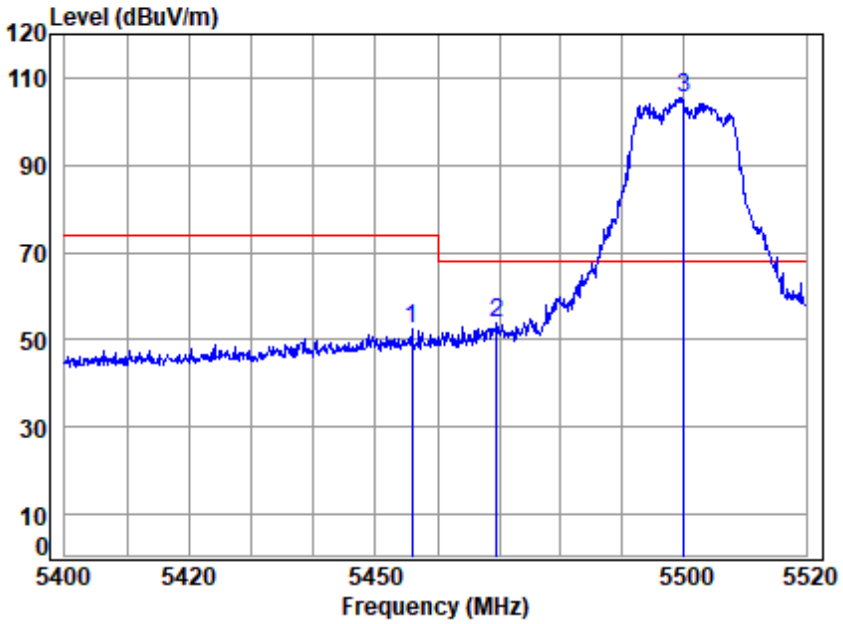


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5500 Band edge
Note : 5G WIFI 11A

	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	5459.430	8.27	32.51	32.25	37.60	46.13	54.00	-7.87	Average
2	5500.000	8.27	32.60	32.30	94.27	102.84	------	------	Average

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Test Mode: 06; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

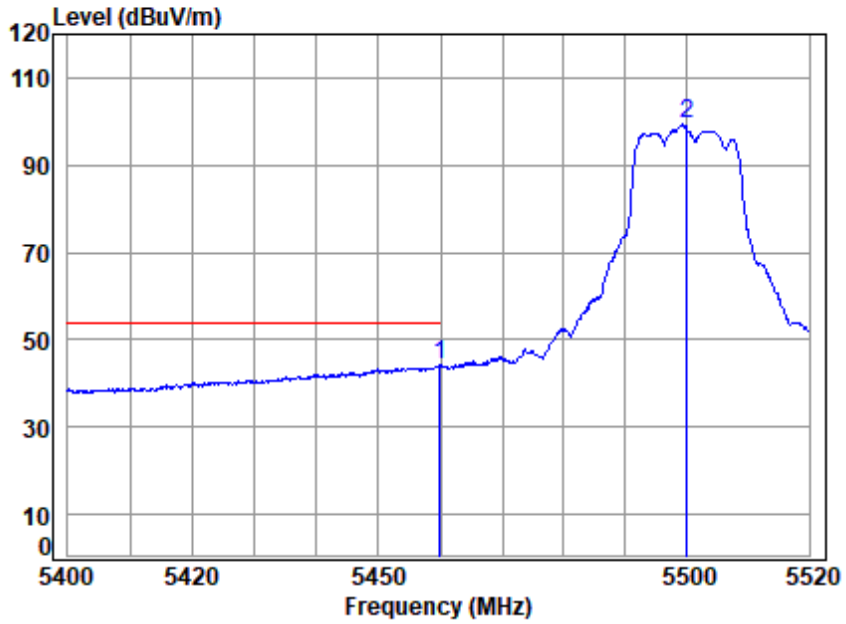


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5500 Band edge
Note : 5G WIFI 11A

	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	5455.832	8.27	32.50	32.24	43.72	52.25	74.00	-21.75	Peak
2	5469.639	8.27	32.53	32.26	45.17	53.71	68.20	-14.49	peak
3	5500.000	8.27	32.60	32.30	97.02	105.59	68.20	37.39	Peak

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Test Mode: 06; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

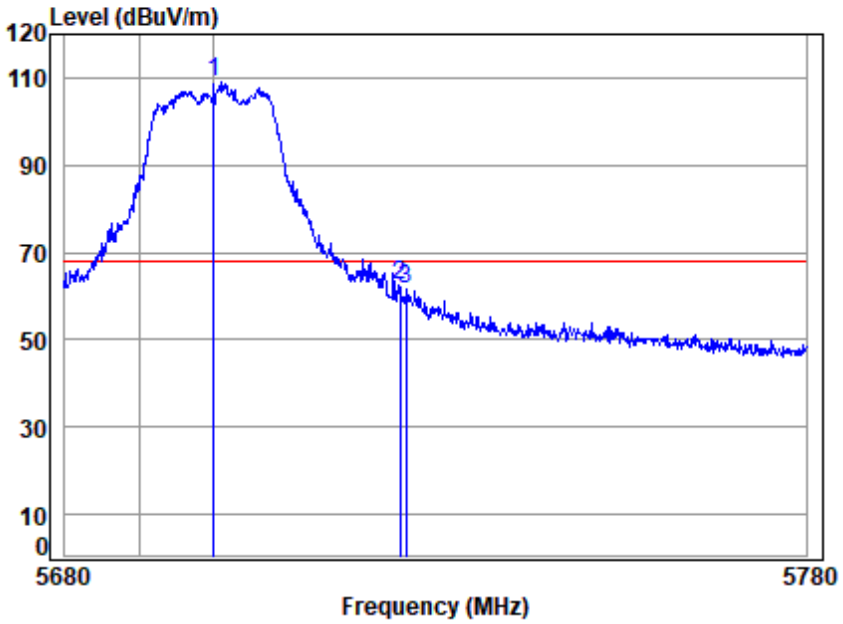


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5500 Band edge
Note : 5G WIFI 11A

	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	5459.910	8.27	32.51	32.25	35.54	44.07	54.00	-9.93	Average
2	5500.000	8.27	32.60	32.30	90.68	99.25	------	------	Average

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High

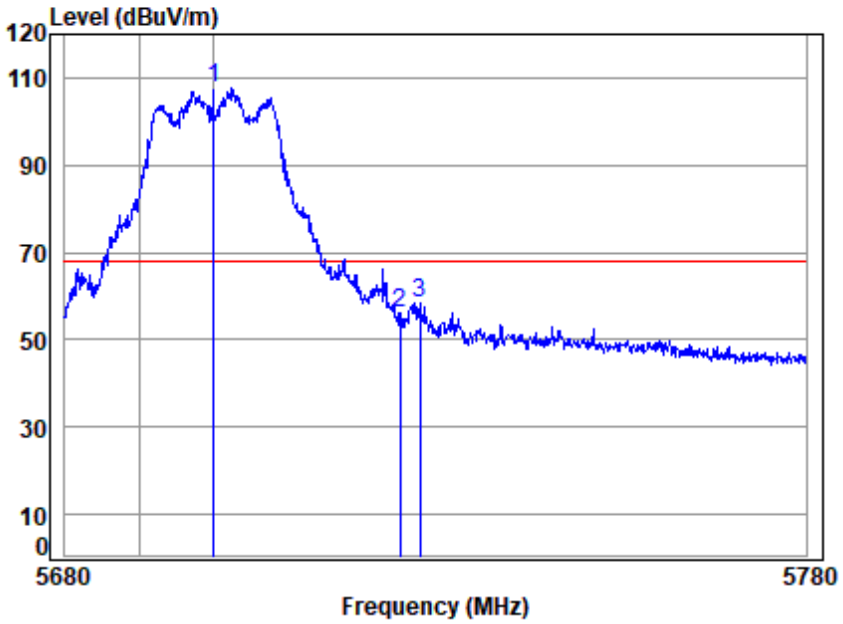


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5700 Band edge
Note : 5G WIFI 11A

	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	5700.000	8.01	32.52	32.22	100.82	109.13	68.20	40.93	peak
2	5725.000	7.98	32.51	32.21	54.39	62.67	68.20	-5.53	peak
3	5725.883	7.98	32.51	32.21	53.16	61.44	68.20	-6.76	peak

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Test Mode: 06; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High

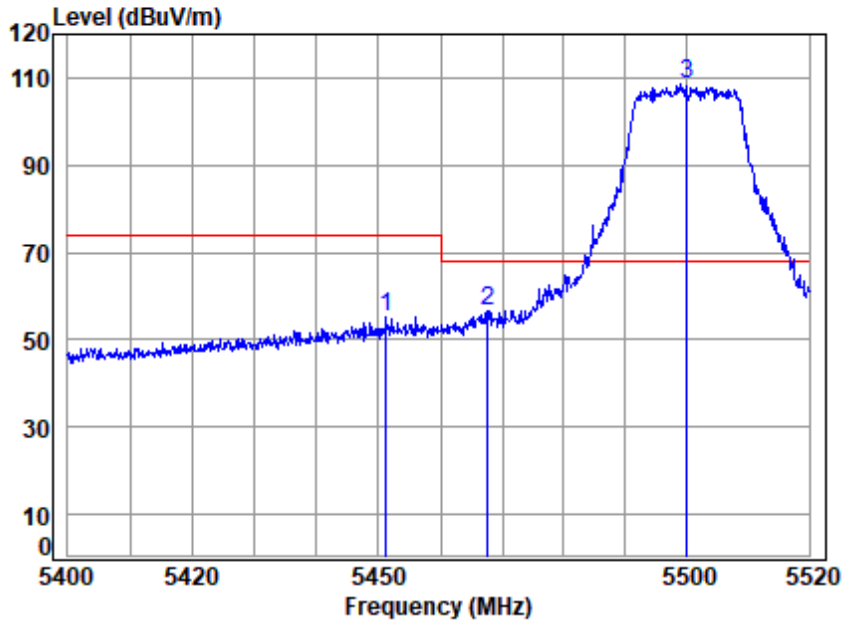


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5700 Band edge
Note : 5G WIFI 11A

	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	5700.000	8.01	32.52	32.22	99.14	107.45	68.20	39.25	Peak
2	5725.000	7.98	32.51	32.21	47.72	56.00	68.20	-12.20	Peak
3	5727.682	7.98	32.51	32.21	50.11	58.39	68.20	-9.81	Peak

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

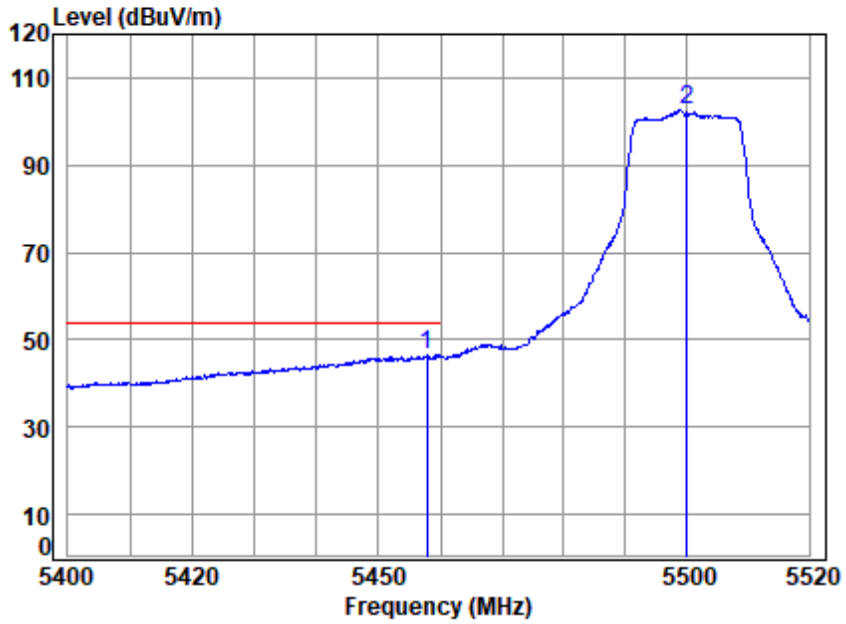


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5500 Band edge
Note : 5G WIFI 11N20

	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	5451.277	8.27	32.49	32.23	46.52	55.05	74.00	-18.95	peak
2	5467.596	8.27	32.53	32.26	48.23	56.77	68.20	-11.43	peak
3	5500.000	8.27	32.60	32.30	100.12	108.69	68.20	40.49	peak

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

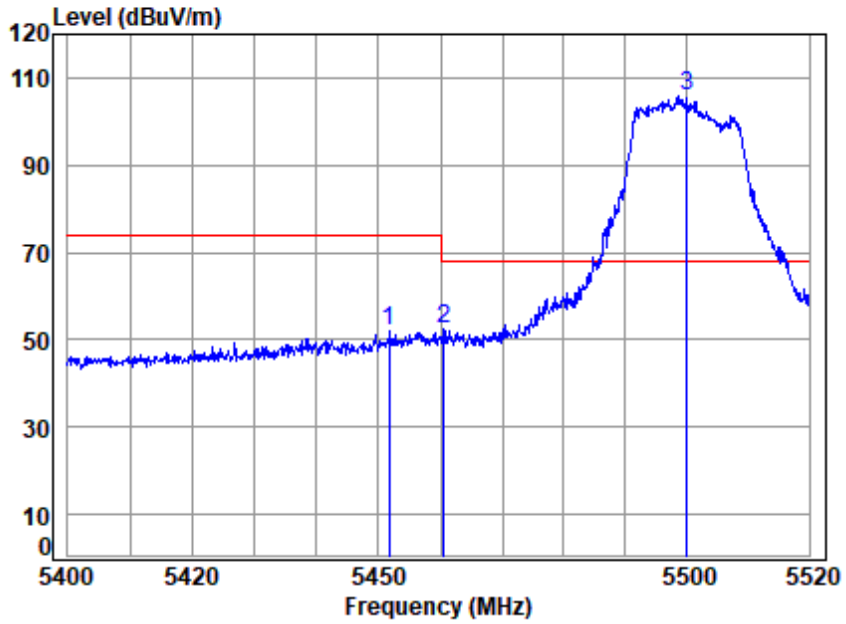


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5500 Band edge
Note : 5G WIFI 11N20

	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	5457.871	8.27	32.50	32.24	38.04	46.57	54.00	-7.43	Average
2	5500.000	8.27	32.60	32.30	94.01	102.58	------	------	Average

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Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

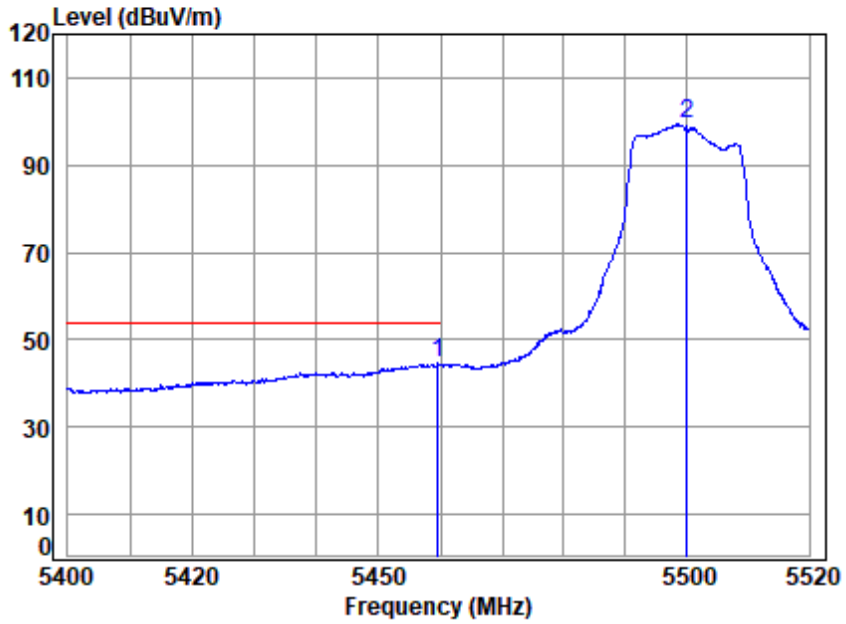


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5500 Band edge
Note : 5G WIFI 11N20

	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	5451.756	8.27	32.49	32.24	43.41	51.93	74.00	-22.07	Peak
2	5460.630	8.27	32.51	32.25	43.87	52.40	68.20	-15.80	peak
3	5500.000	8.27	32.60	32.30	97.26	105.83	68.20	37.63	Peak

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Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

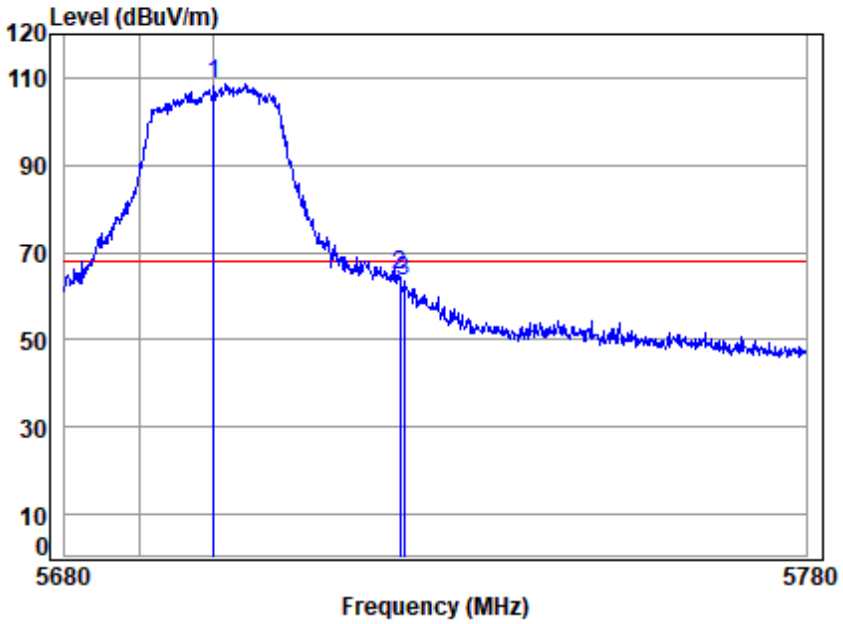


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5500 Band edge
Note : 5G WIFI 11N20

	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	5459.670	8.27	32.51	32.25	35.98	44.51	54.00	-9.49	Average
2	5500.000	8.27	32.60	32.30	90.75	99.32	------	------	Average

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High

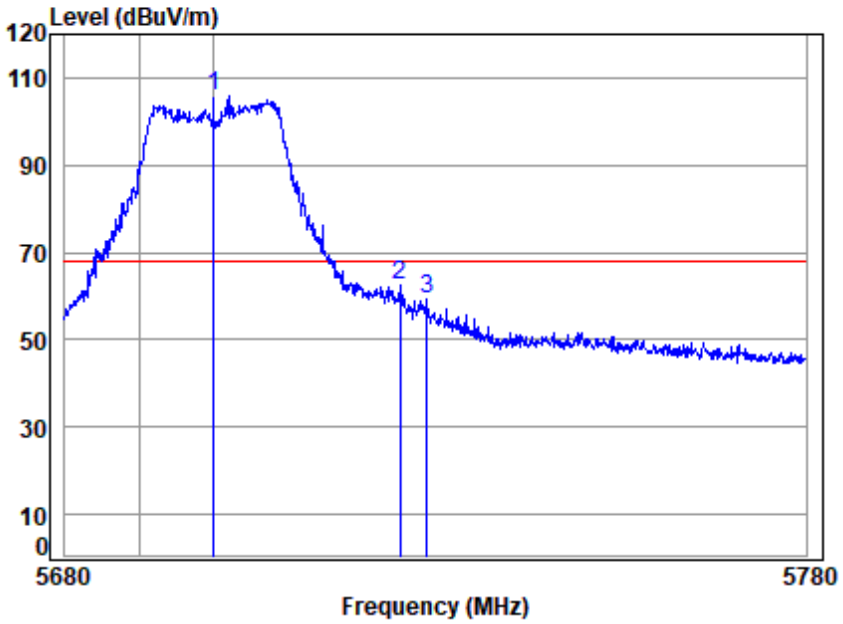


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5700 Band edge
Note : 5G WIFI 11N20

	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	5700.000	8.01	32.52	32.22	100.38	108.69	68.20	40.49	peak
2	5725.000	7.98	32.51	32.21	56.59	64.87	68.20	-3.33	peak
3	5725.583	7.98	32.51	32.21	55.13	63.41	68.20	-4.79	peak

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Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High

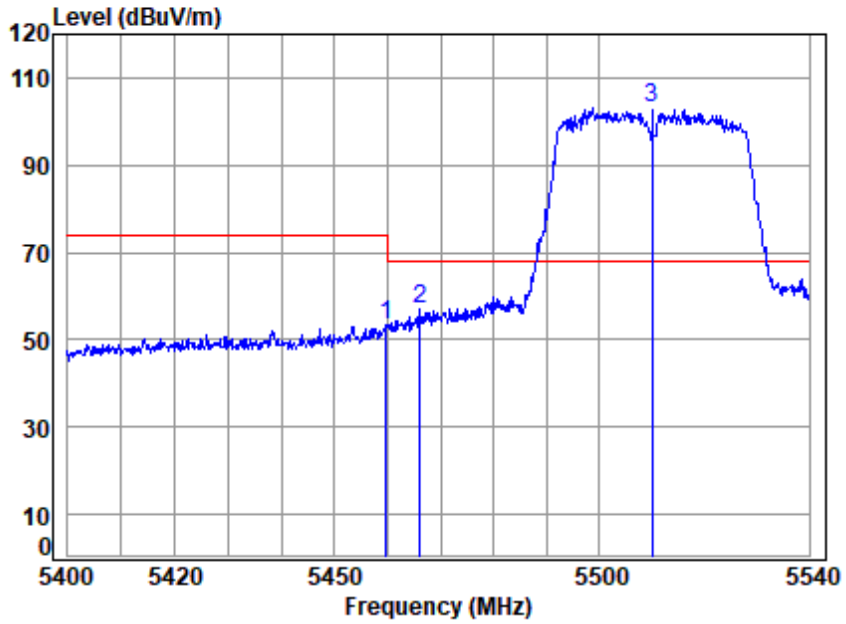


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5700 Band edge
Note : 5G WIFI 11N20

	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	5700.000	8.01	32.52	32.22	97.50	105.81	68.20	37.61	Peak
2	5725.000	7.98	32.51	32.21	54.19	62.47	68.20	-5.73	Peak
3	5728.582	7.98	32.51	32.21	51.15	59.43	68.20	-8.77	Peak

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

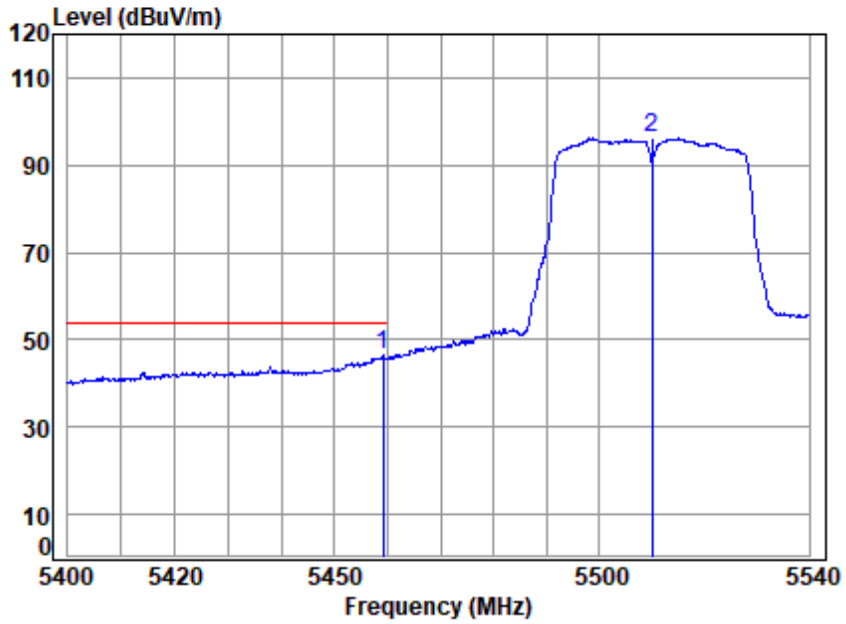


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5510 Band edge
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5459.761	8.27	32.51	32.25	44.66	53.19	74.00	-20.81	peak
2	5466.053	8.27	32.52	32.25	48.31	56.85	68.20	-11.35	peak
3	5510.000	8.26	32.60	32.30	94.39	102.95	68.20	34.75	peak

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

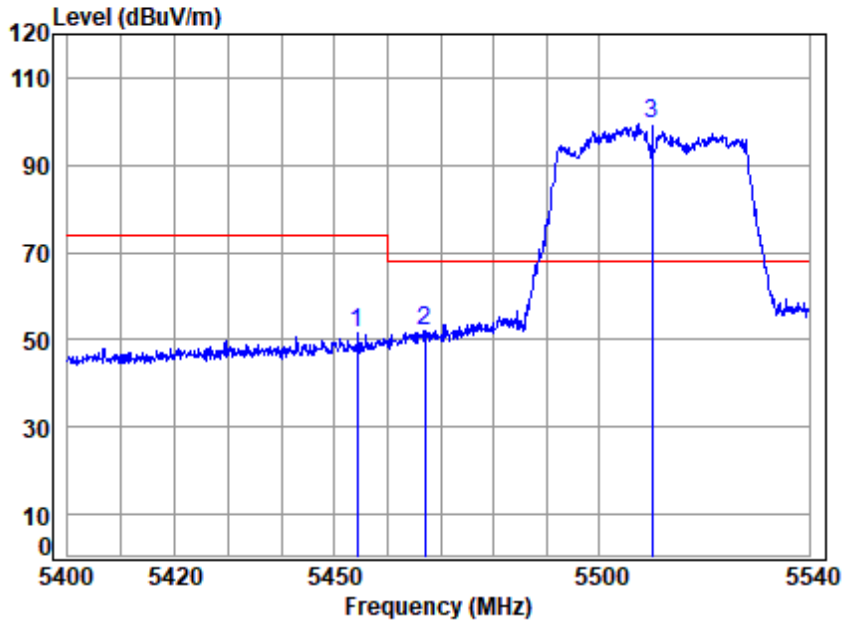


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5510 Band edge
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5459.202	8.27	32.51	32.25	37.83	46.36	54.00	-7.64	Average
2	5510.000	8.26	32.60	32.30	87.58	96.14	------	------	Average

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Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

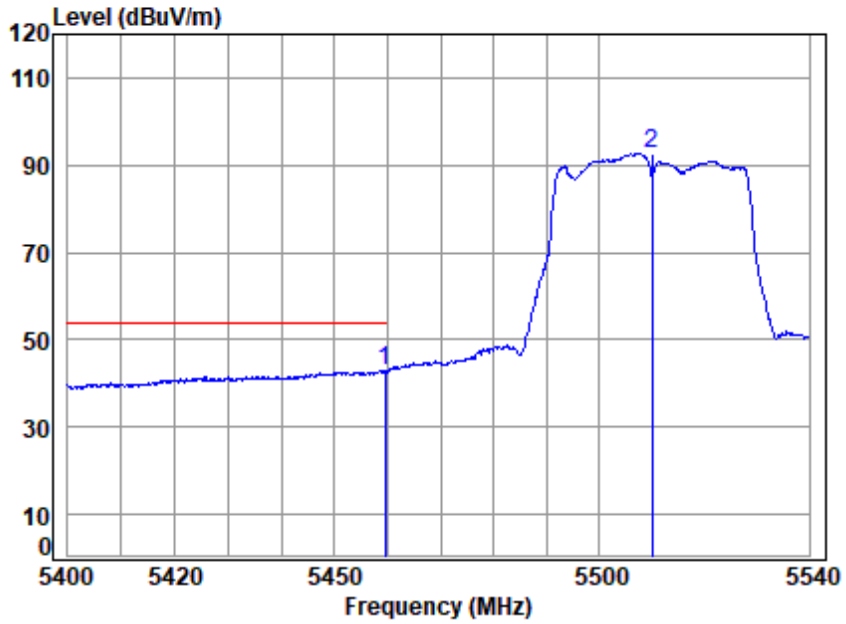


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5510 Band edge
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5454.314	8.27	32.49	32.24	42.83	51.35	74.00	-22.65	Peak
2	5467.033	8.27	32.52	32.26	43.61	52.14	68.20	-16.06	peak
3	5510.000	8.26	32.60	32.30	90.76	99.32	68.20	31.12	Peak

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Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

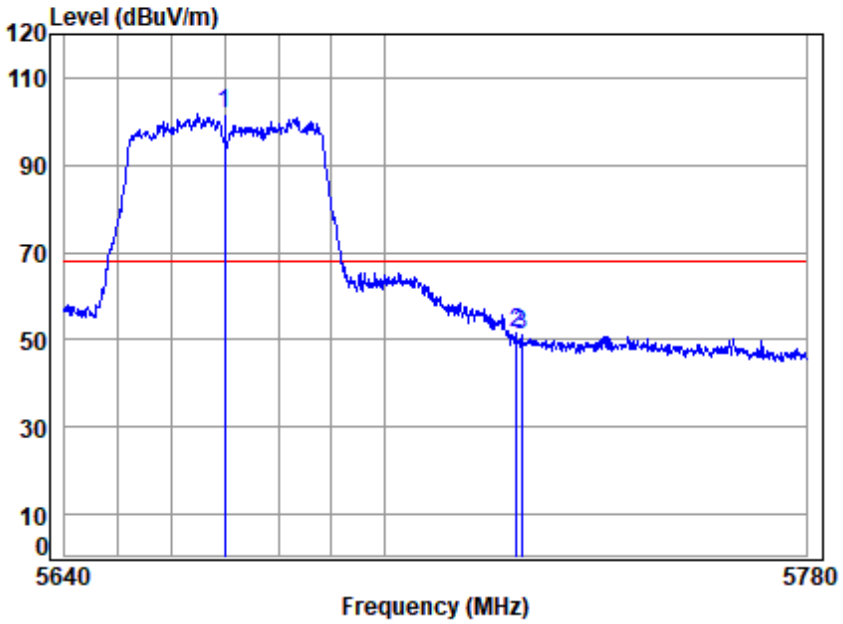


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5510 Band edge
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5459.481	8.27	32.51	32.25	34.56	43.09	54.00	-10.91	Average
2	5510.000	8.26	32.60	32.30	84.02	92.58	------	------	Average

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High

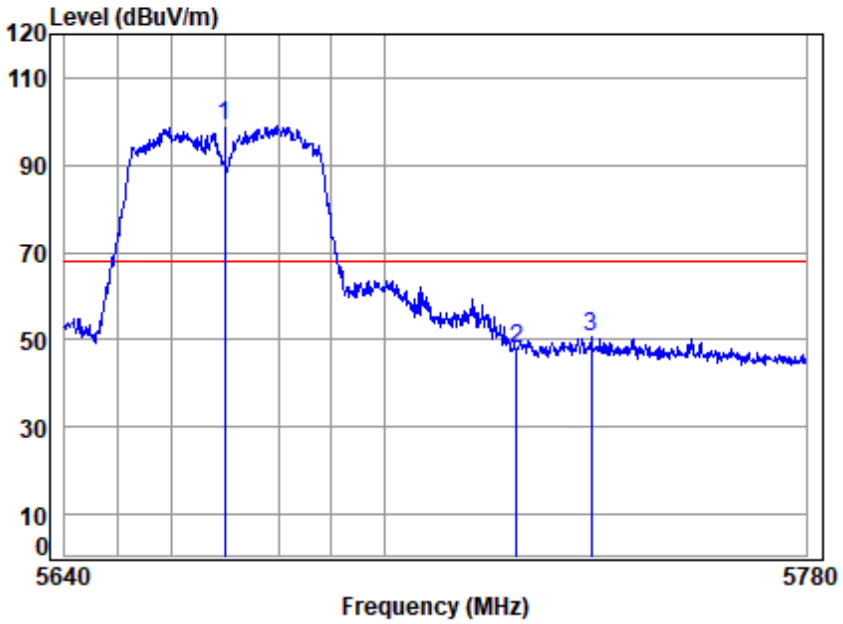


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5670 Band edge
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5670.000	8.05	32.53	32.23	93.27	101.62	68.20	33.42	peak
2	5725.000	7.98	32.51	32.21	43.25	51.53	68.20	-16.67	peak
3	5725.833	7.98	32.51	32.21	42.69	50.97	68.20	-17.23	peak

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Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High

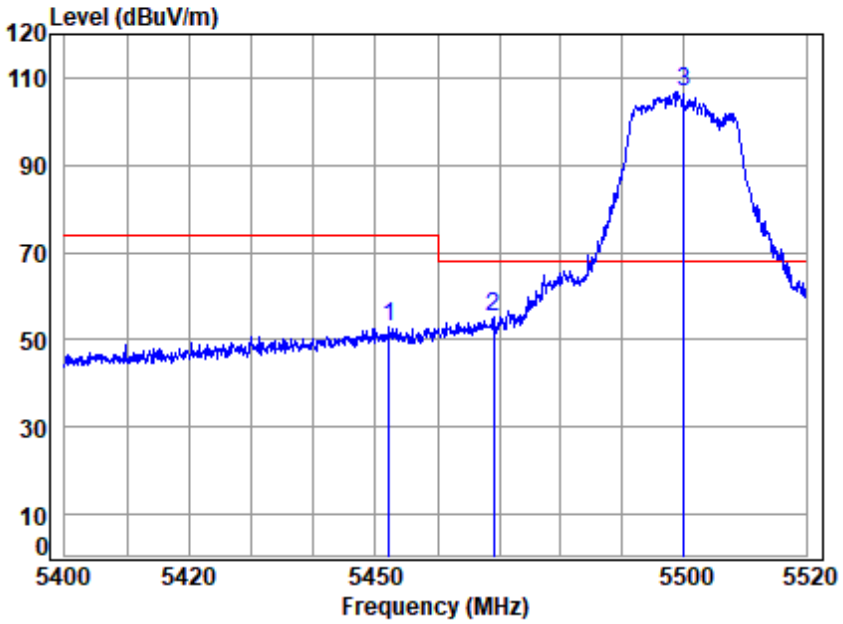


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5670 Band edge
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5670.000	8.05	32.53	32.23	90.45	98.80	68.20	30.60	Peak
2	5725.000	7.98	32.51	32.21	39.84	48.12	68.20	-20.08	Peak
3	5739.046	7.96	32.50	32.20	42.45	50.71	68.20	-17.49	Peak

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

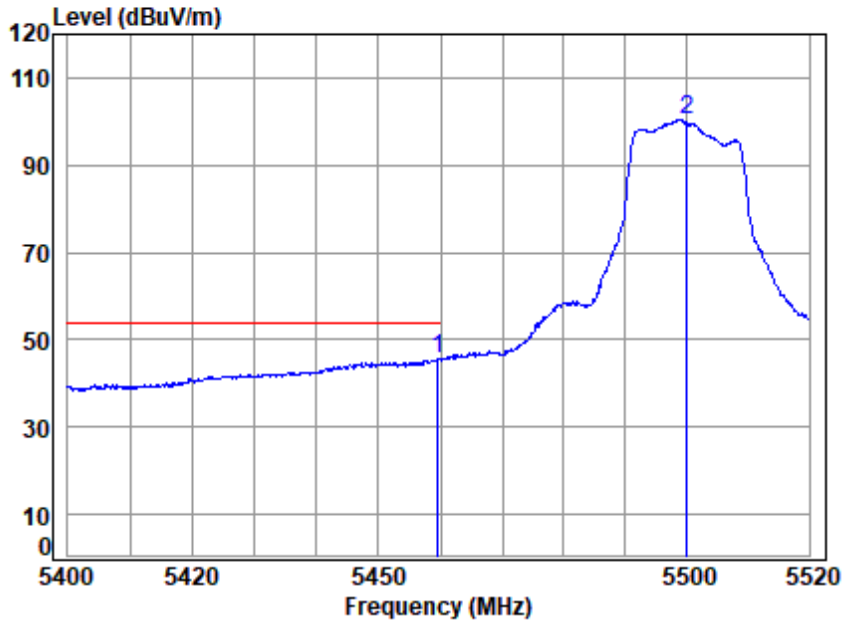


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5500 Band edge
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5452.235	8.27	32.49	32.24	44.21	52.73	74.00	-21.27	peak
2	5469.038	8.27	32.53	32.26	46.55	55.09	68.20	-13.11	peak
3	5500.000	8.27	32.60	32.30	98.28	106.85	68.20	38.65	peak

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

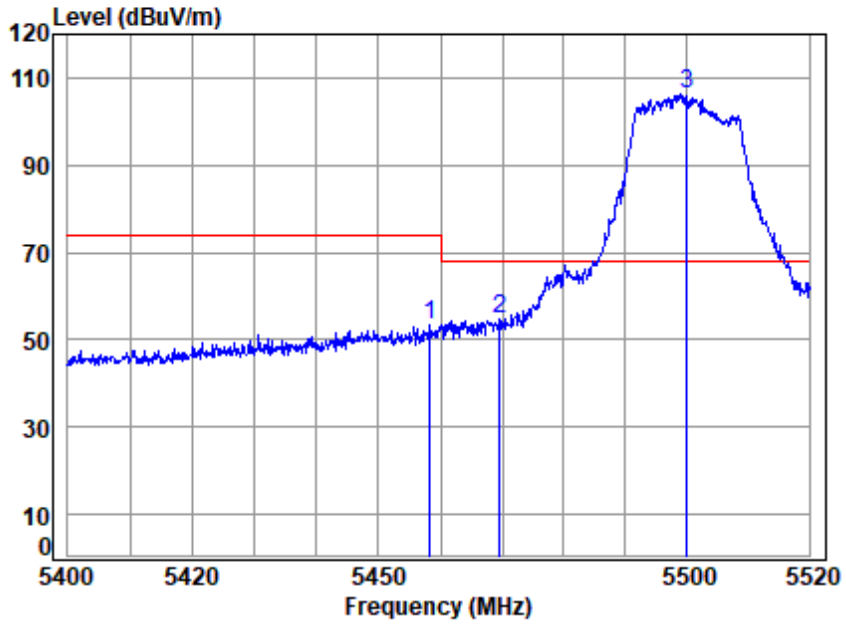


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5500 Band edge
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5459.670	8.27	32.51	32.25	37.05	45.58	54.00	-8.42	Average
2	5500.000	8.27	32.60	32.30	91.81	100.38	------	------	Average

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Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

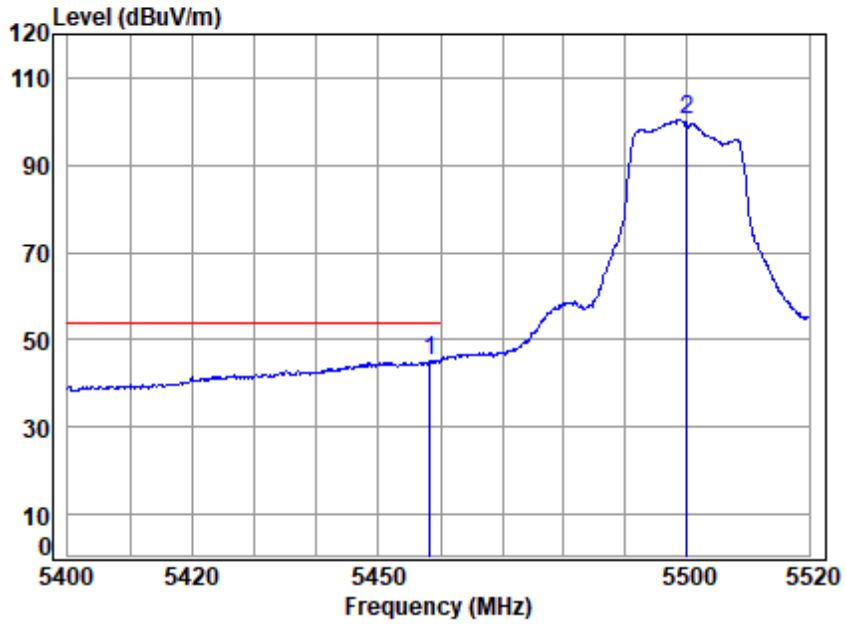


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5500 Band edge
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5458.230	8.27	32.50	32.24	45.01	53.54	74.00	-20.46	Peak
2	5469.639	8.27	32.53	32.26	46.23	54.77	68.20	-13.43	peak
3	5500.000	8.27	32.60	32.30	97.65	106.22	68.20	38.02	Peak

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Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

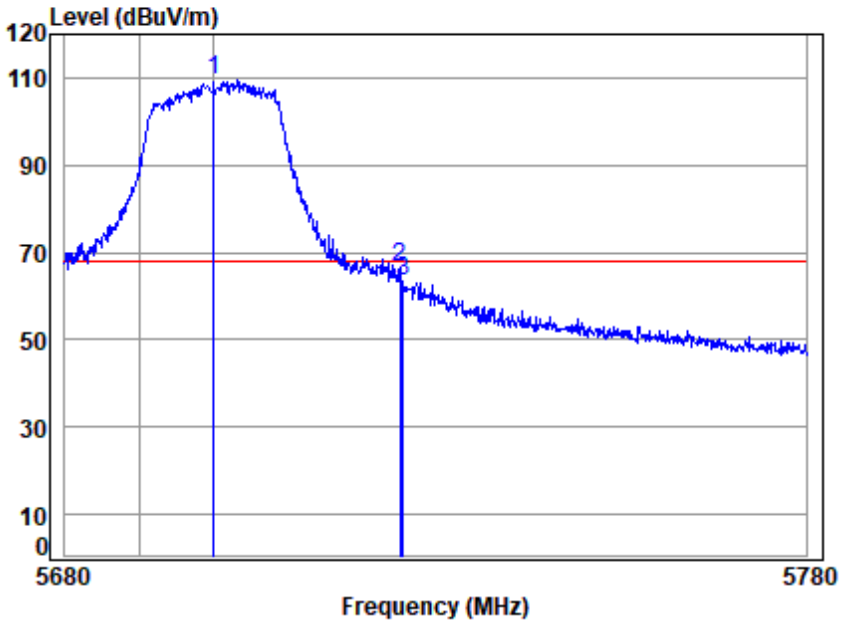


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5500 Band edge
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5458.351	8.27	32.50	32.24	36.67	45.20	54.00	-8.80	Average
2	5500.000	8.27	32.60	32.30	91.77	100.34	------	------	Average

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High

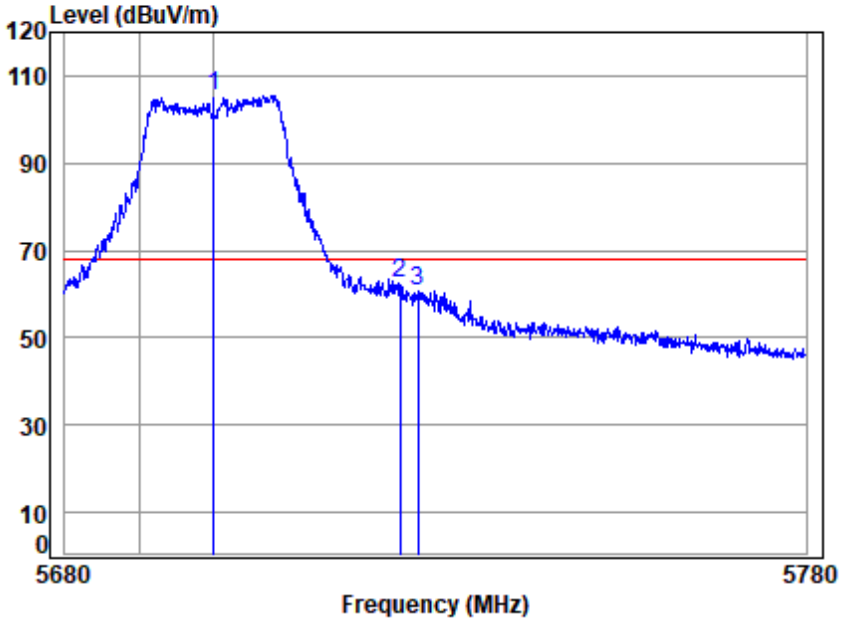


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5700 Band edge
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5700.000	8.01	32.52	32.22	101.24	109.55	68.20	41.35	peak
2	5725.000	7.98	32.51	32.21	58.36	66.64	68.20	-1.56	peak
3	5725.483	7.98	32.51	32.21	55.28	63.56	68.20	-4.64	peak

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Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High

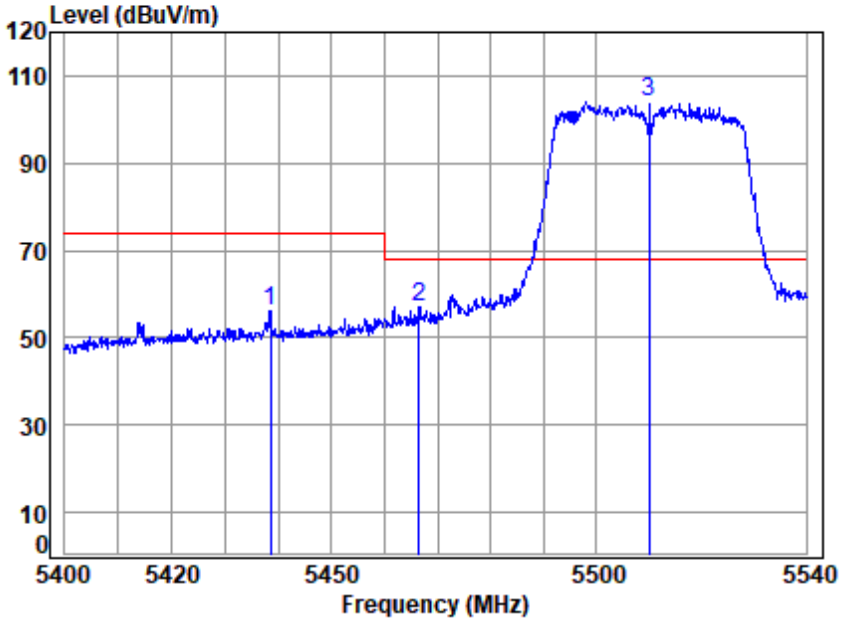


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5700 Band edge
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5700.000	8.01	32.52	32.22	97.25	105.56	68.20	37.36	Peak
2	5725.000	7.98	32.51	32.21	54.10	62.38	68.20	-5.82	Peak
3	5727.382	7.98	32.51	32.21	52.56	60.84	68.20	-7.36	Peak

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

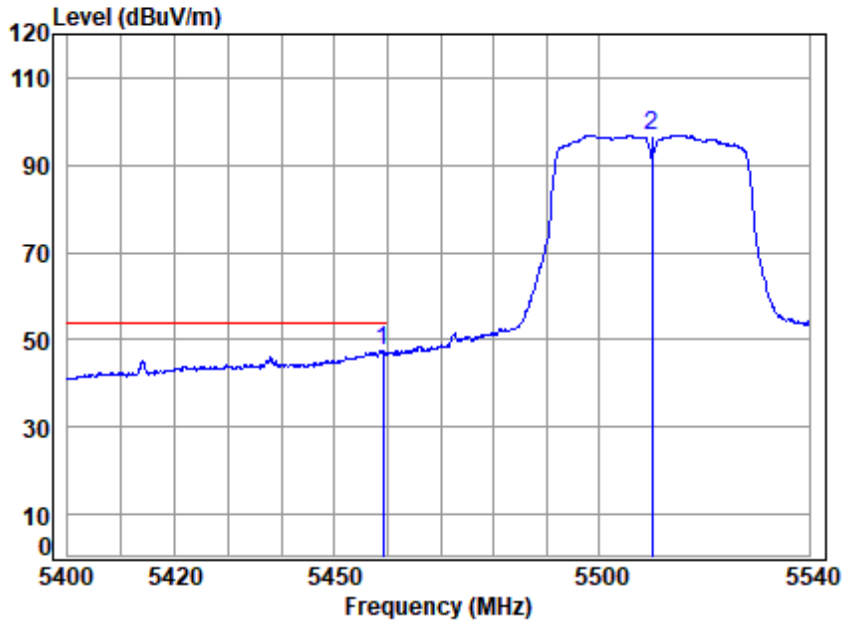


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5510 Band edge
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5438.422	8.27	32.46	32.22	47.43	55.94	74.00	-18.06	peak
2	5466.473	8.27	32.52	32.26	48.73	57.26	68.20	-10.94	peak
3	5510.000	8.26	32.60	32.30	95.42	103.98	68.20	35.78	peak

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中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86–755) 88663988 f (86–755) 26710594 sgs.china@sgs.com
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Test Mode: 06; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

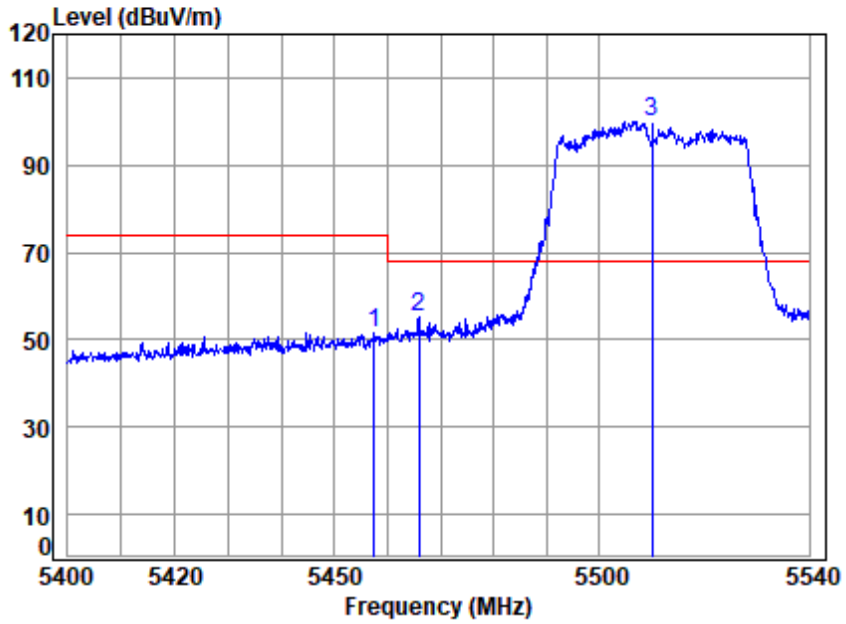


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5510 Band edge
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5459.063	8.27	32.51	32.25	38.82	47.35	54.00	-6.65	Average
2	5510.000	8.26	32.60	32.30	88.39	96.95	------	------	Average

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Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

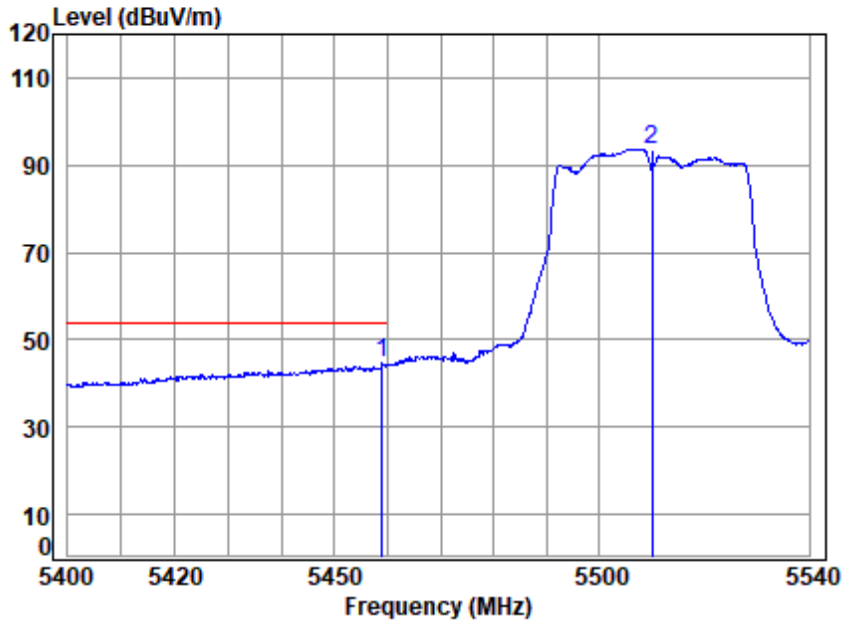


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5510 Band edge
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5457.526	8.27	32.50	32.24	43.14	51.67	74.00	-22.33	Peak
2	5465.914	8.27	32.52	32.25	46.52	55.06	68.20	-13.14	peak
3	5510.000	8.26	32.60	32.30	91.53	100.09	68.20	31.89	Peak

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Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

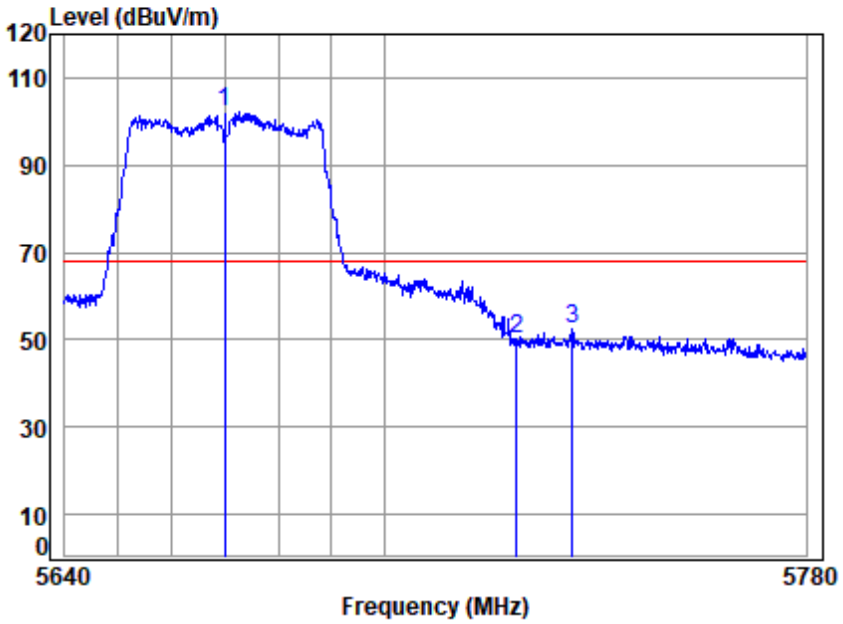


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5510 Band edge
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5458.923	8.27	32.51	32.24	36.16	44.70	54.00	-9.30	Average
2	5510.000	8.26	32.60	32.30	85.20	93.76	------	------	Average

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

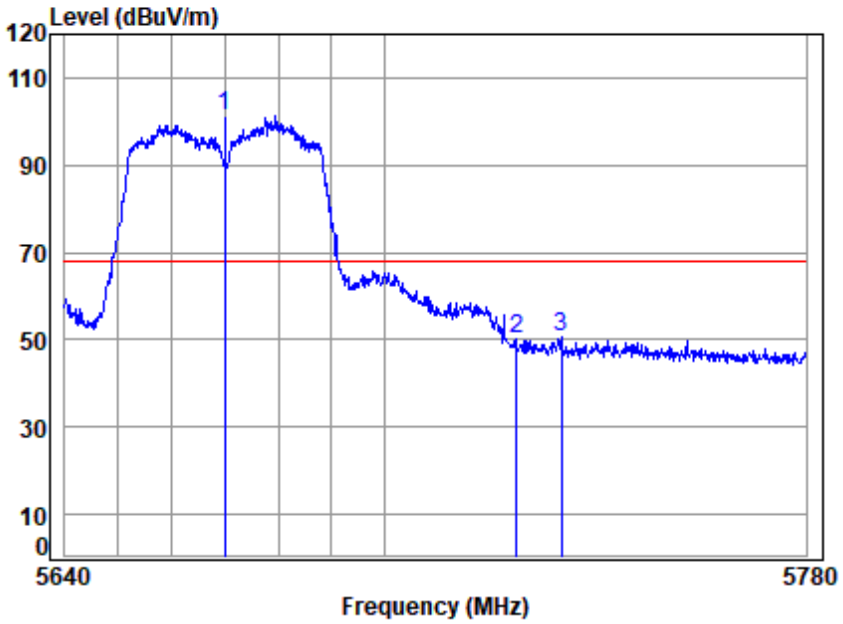


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5670 Band edge
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5670.000	8.05	32.53	32.23	93.66	102.01	68.20	33.81	peak
2	5725.000	7.98	32.51	32.21	41.94	50.22	68.20	-17.98	peak
3	5735.529	7.97	32.50	32.20	44.28	52.55	68.20	-15.65	peak

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Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

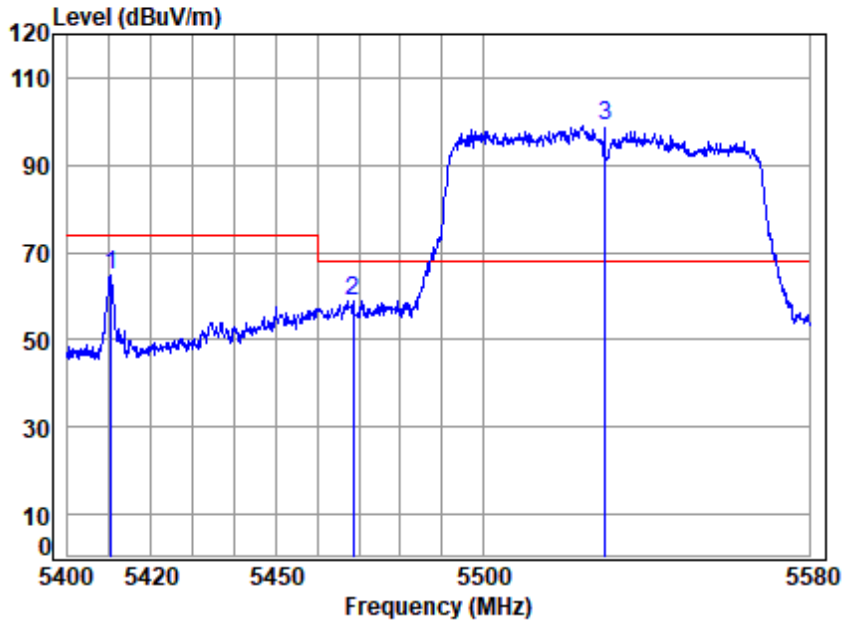


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5670 Band edge
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5670.000	8.05	32.53	32.23	92.73	101.08	68.20	32.88	Peak
2	5725.000	7.98	32.51	32.21	42.01	50.29	68.20	-17.91	Peak
3	5733.420	7.97	32.50	32.20	42.17	50.44	68.20	-17.76	Peak

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low

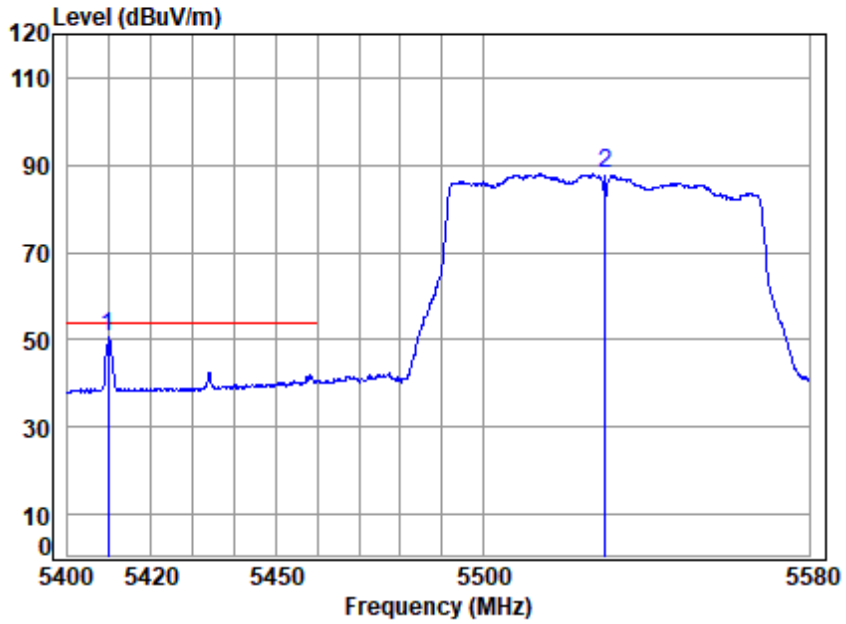


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5530 Band edge
Note : 5G WIFI 11AC80

	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	5410.280	8.28	32.39	32.18	56.32	64.81	74.00	-9.19	peak
2	5468.602	8.27	32.53	32.26	50.51	59.05	68.20	-9.15	peak
3	5530.000	8.23	32.59	32.29	90.39	98.92	68.20	30.72	peak

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low

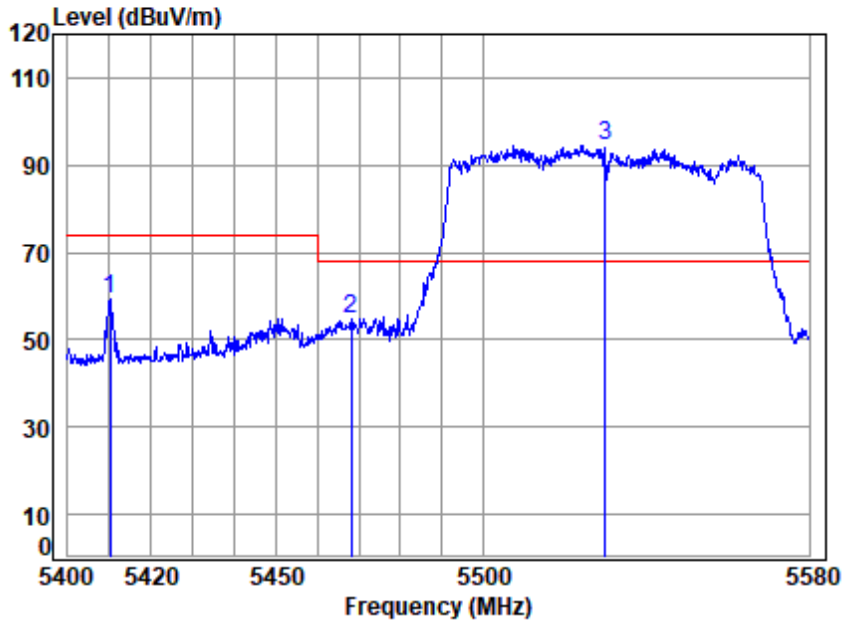


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5530 Band edge
Note : 5G WIFI 11AC80

	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	5409.748	8.28	32.39	32.18	42.26	50.75	54.00	-3.25	Average
2	5530.000	8.23	32.59	32.29	79.54	88.07	------	------	Average

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Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low

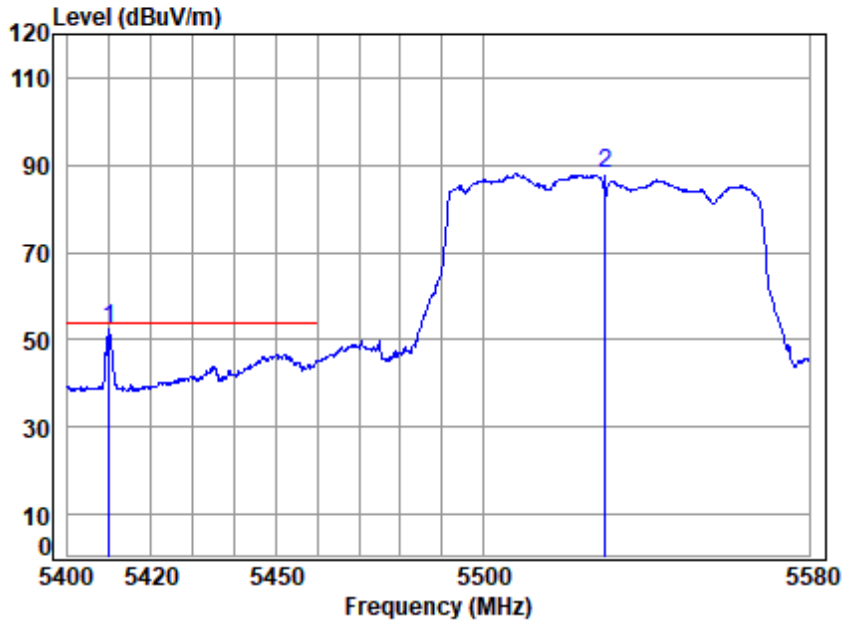


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5530 Band edge
Note : 5G WIFI 11AC80

	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	5410.102	8.28	32.39	32.18	50.65	59.14	74.00	-14.86	Peak
2	5468.064	8.27	32.53	32.26	46.00	54.54	68.20	-13.66	peak
3	5530.000	8.23	32.59	32.29	86.06	94.59	68.20	26.39	Peak

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Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low

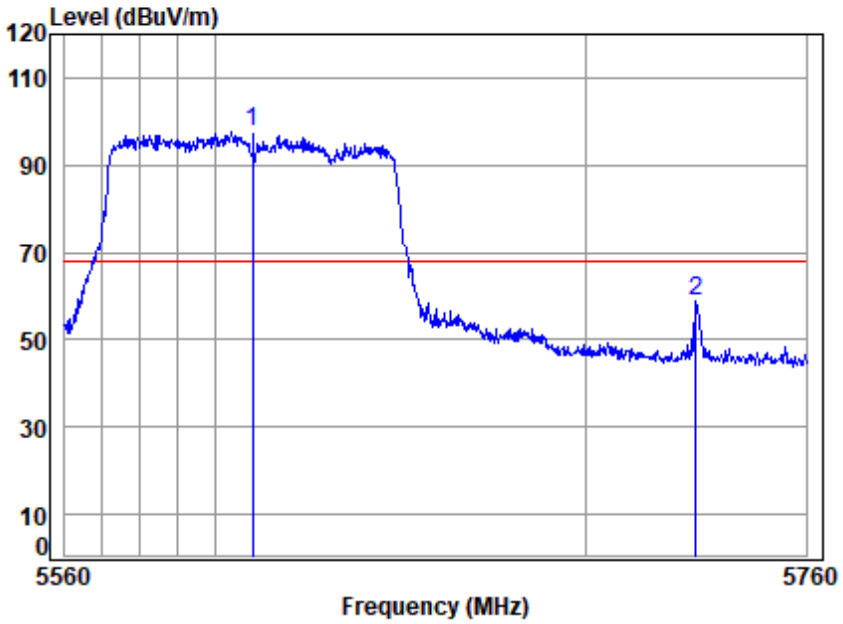


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5530 Band edge
Note : 5G WIFI 11AC80

	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	5409.925	8.28	32.39	32.18	43.91	52.40	54.00	-1.60	Average
2	5530.000	8.23	32.59	32.29	79.50	88.03	------	------	Average

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:High

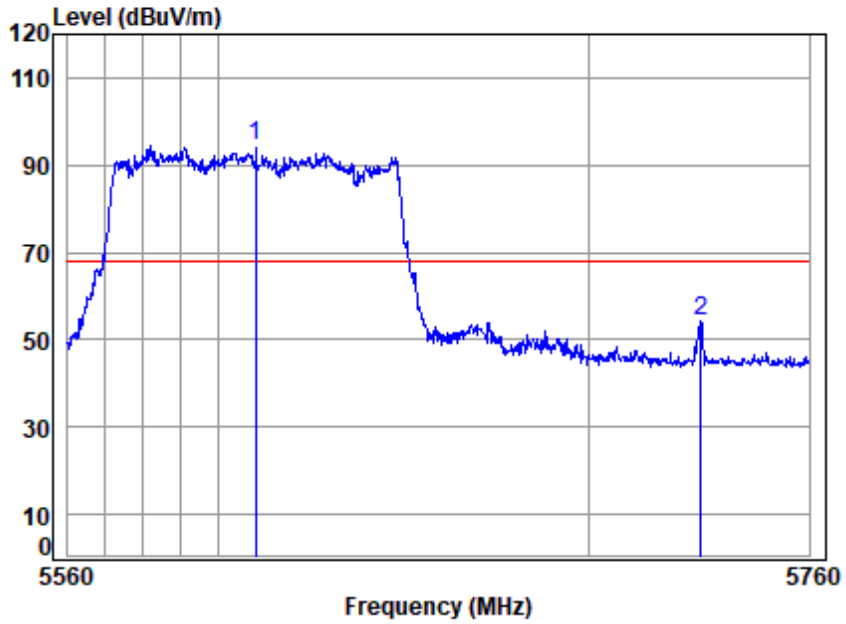


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5610 Band edge
Note : 5G WIFI 11AC80

	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	5610.000	8.13	32.55	32.25	89.41	97.84	68.20	29.64	peak
2	5729.953	7.97	32.51	32.21	50.41	58.68	68.20	-9.52	peak

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Test Mode: 06; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:High

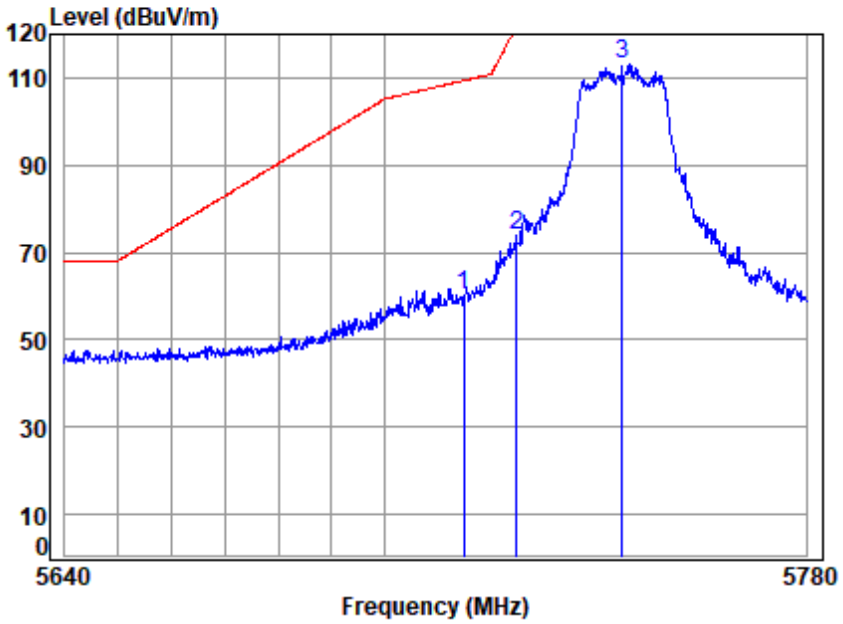


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5610 Band edge
Note : 5G WIFI 11AC80

	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	5610.000	8.13	32.55	32.25	85.90	94.33	68.20	26.13	Peak
2	5730.357	7.97	32.51	32.21	46.10	54.37	68.20	-13.83	Peak

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Test Mode: 07; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

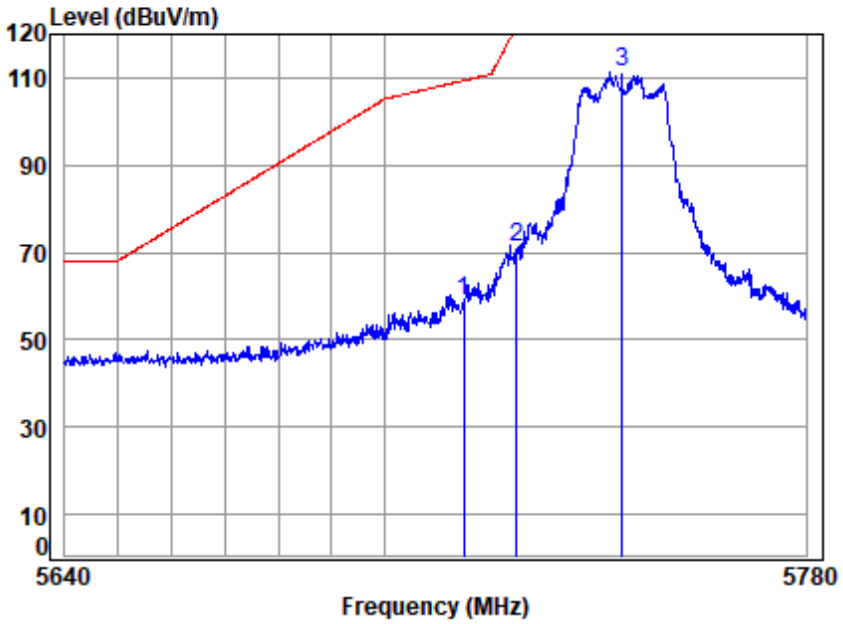


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5745 Band edge
Note : 5G WIFI 11A

	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	5715.000	7.99	32.51	32.21	51.82	60.11	109.40	-49.29	peak
2	5725.000	7.98	32.51	32.21	65.50	73.78	122.20	-48.42	peak
3	5745.000	7.95	32.50	32.20	104.91	113.16	------	------	peak

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Test Mode: 07; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

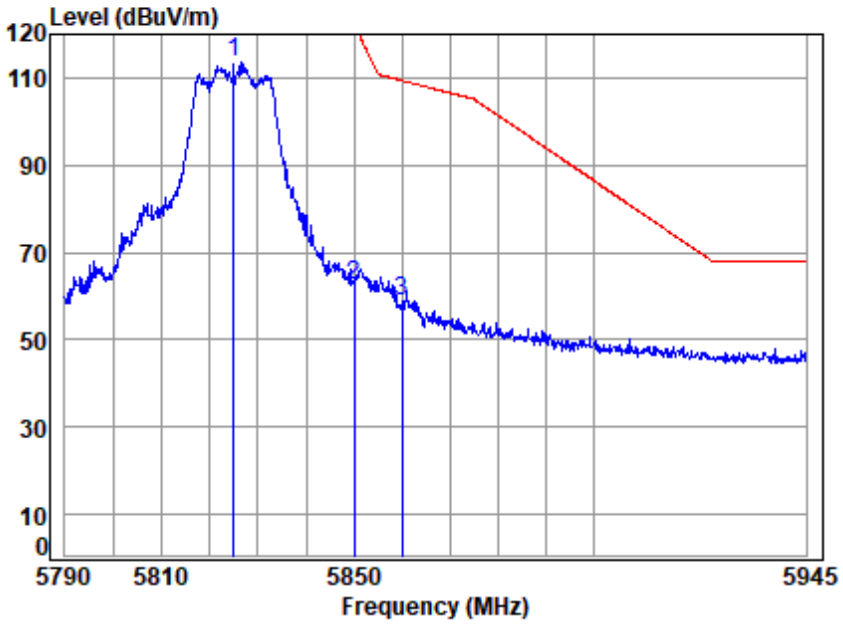


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5745 Band edge
Note : 5G WIFI 11A

	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	5715.000	7.99	32.51	32.21	50.65	58.94	109.40	-50.46	peak
2	5725.000	7.98	32.51	32.21	63.02	71.30	122.20	-50.90	peak
3	5745.000	7.95	32.50	32.20	103.28	111.53	------	------	peak

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Test Mode: 07; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High

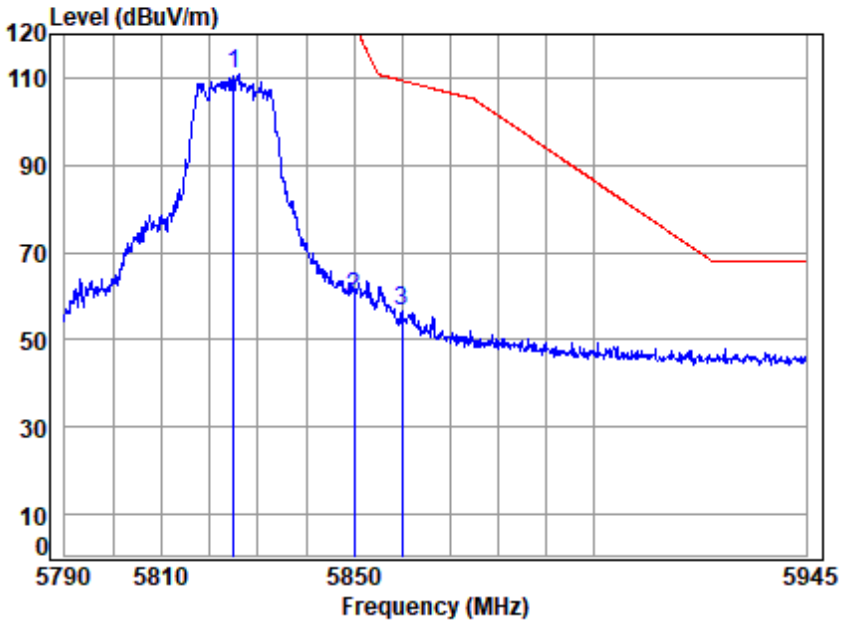


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5825 Band edge
Note : 5G WIFI 11A

	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	5825.000	7.85	32.47	32.17	105.55	113.70	------	------	peak
2	5850.000	7.82	32.46	32.16	54.21	62.33	122.20	-59.87	peak
3	5860.000	7.81	32.45	32.15	50.94	59.05	109.40	-50.35	peak

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Test Mode: 07; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High

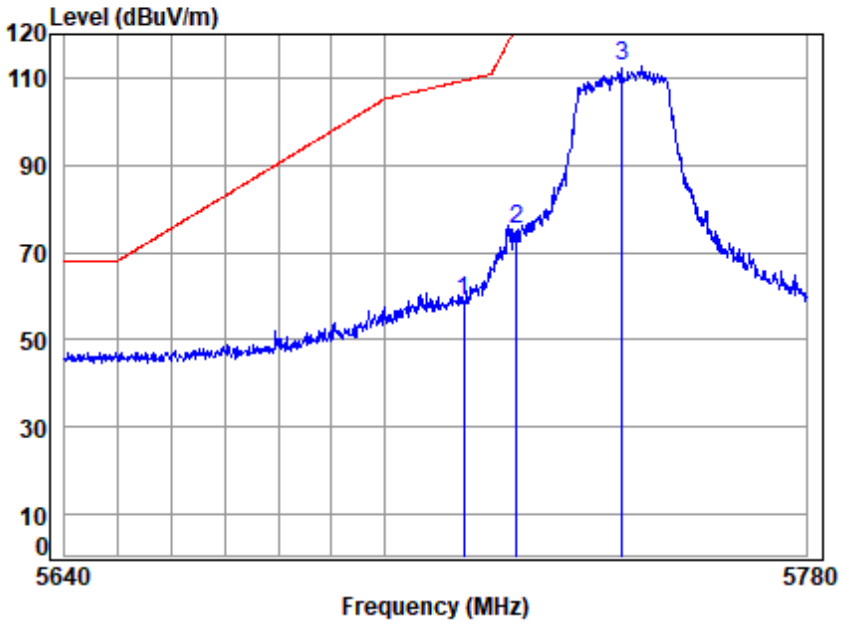


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5825 Band edge
Note : 5G WIFI 11A

	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	5825.000	7.85	32.47	32.17	102.76	110.91	------	------	peak
2	5850.000	7.82	32.46	32.16	51.77	59.89	122.20	-62.31	peak
3	5860.000	7.81	32.45	32.15	48.51	56.62	109.40	-52.78	peak

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Test Mode: 07; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

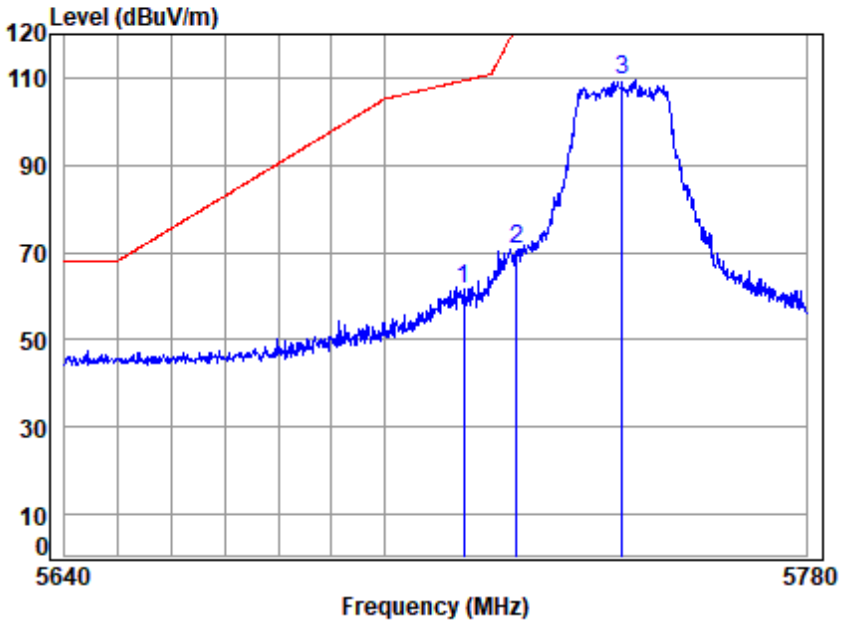


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5745 Band edge
Note : 5G WIFI 11N20

	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	5715.000	7.99	32.51	32.21	50.50	58.79	109.40	-50.61	peak
2	5725.000	7.98	32.51	32.21	66.80	75.08	122.20	-47.12	peak
3	5745.000	7.95	32.50	32.20	104.32	112.57	------	------	peak

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Test Mode: 07; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

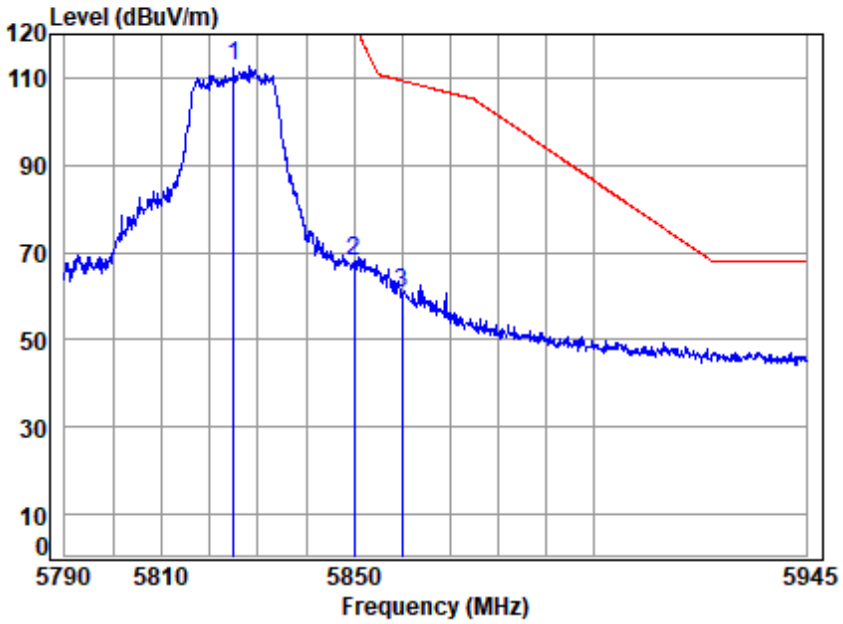


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5745 Band edge
Note : 5G WIFI 11N20

	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	5715.000	7.99	32.51	32.21	53.52	61.81	109.40	-47.59	peak
2	5725.000	7.98	32.51	32.21	62.58	70.86	122.20	-51.34	peak
3	5745.000	7.95	32.50	32.20	101.11	109.36	------	------	peak

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Test Mode: 07; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High

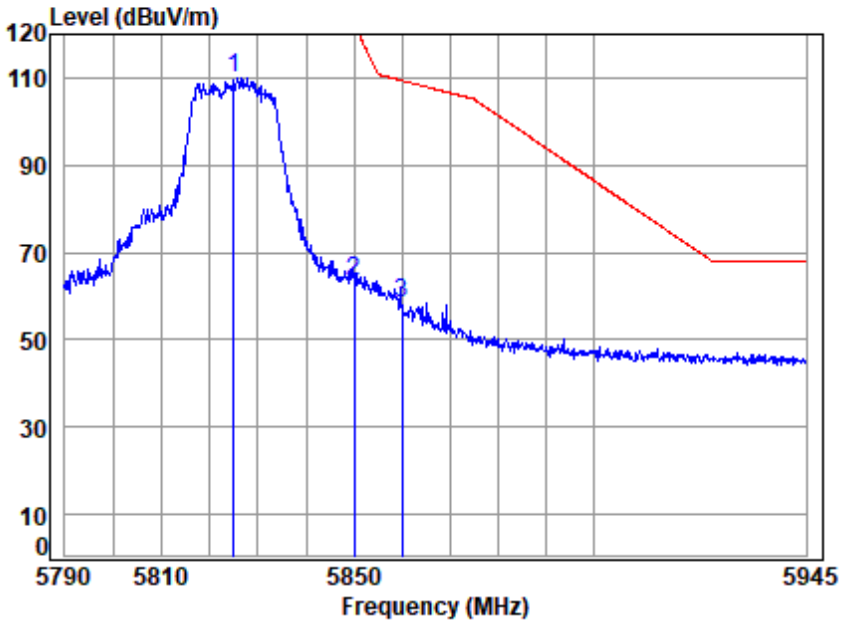


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5825 Band edge
Note : 5G WIFI 11N20

	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	5825.000	7.85	32.47	32.17	104.42	112.57	------	------	peak
2	5850.000	7.82	32.46	32.16	59.65	67.77	122.20	-54.43	peak
3	5860.000	7.81	32.45	32.15	52.40	60.51	109.40	-48.89	peak

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Test Mode: 07; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High

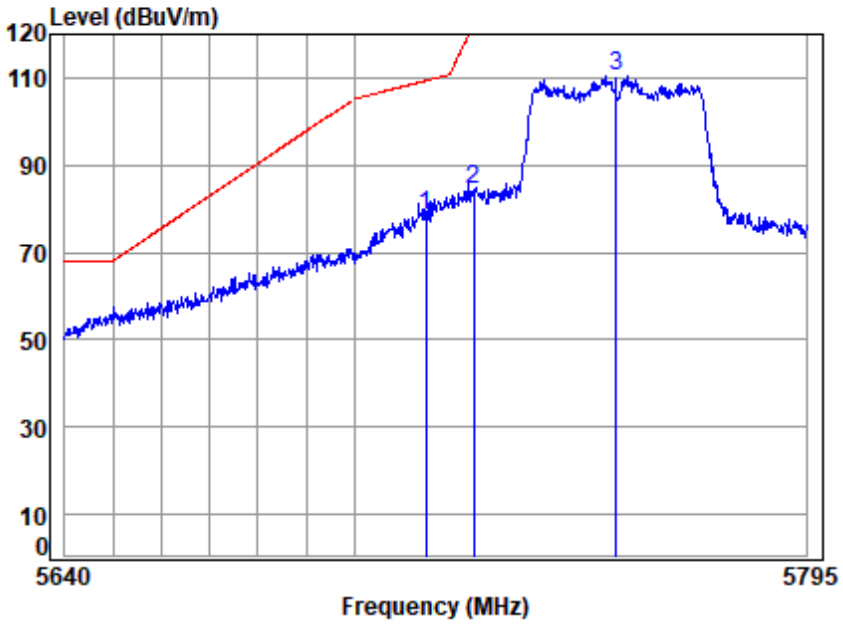


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5825 Band edge
Note : 5G WIFI 11N20

	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	5825.000	7.85	32.47	32.17	102.00	110.15	------	------	peak
2	5850.000	7.82	32.46	32.16	55.33	63.45	122.20	-58.75	peak
3	5860.000	7.81	32.45	32.15	50.19	58.30	109.40	-51.10	peak

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Test Mode: 07; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

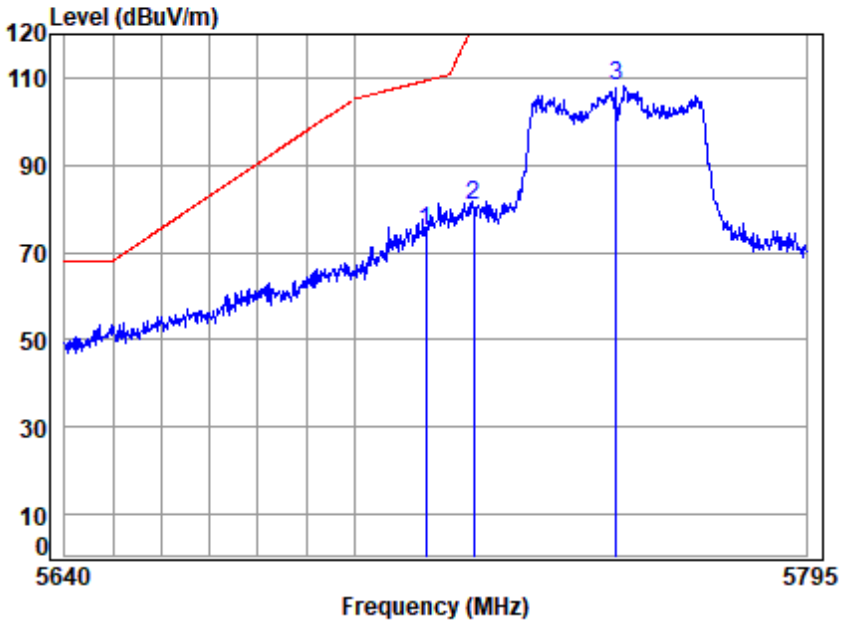


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5755 Band edge
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	7.99	32.51	32.21	70.07	78.36	109.40	-31.04	peak
2	5725.000	7.98	32.51	32.21	76.29	84.57	122.20	-37.63	peak
3	5755.000	7.94	32.50	32.20	102.07	110.31	------	------	peak

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Test Mode: 07; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

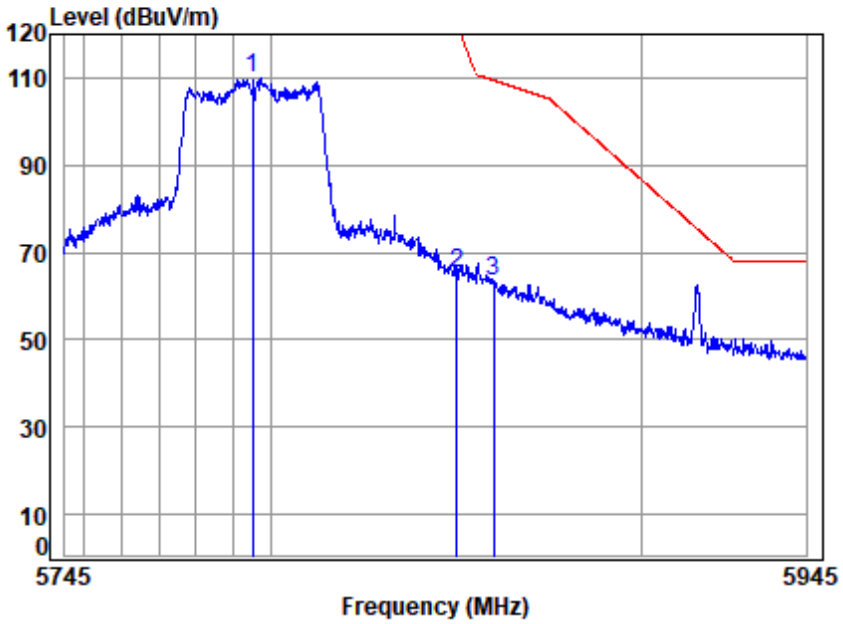


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5755 Band edge
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	7.99	32.51	32.21	66.40	74.69	109.40	-34.71	peak
2	5725.000	7.98	32.51	32.21	72.60	80.88	122.20	-41.32	peak
3	5755.000	7.94	32.50	32.20	99.82	108.06	------	------	peak

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Test Mode: 07; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High

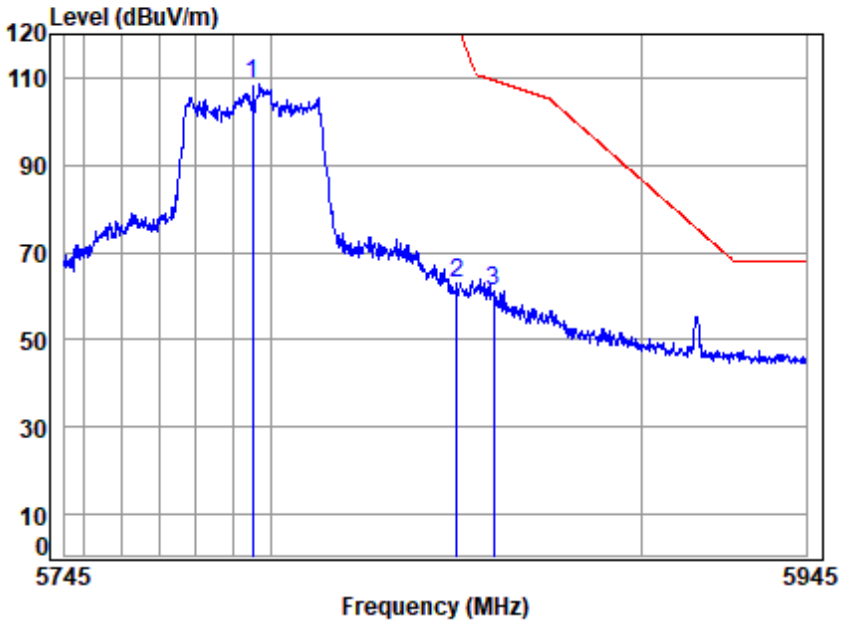


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5795 Band edge
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5795.000	7.89	32.48	32.18	101.74	109.93	------	------	peak
2	5850.000	7.82	32.46	32.16	57.09	65.21	122.20	-56.99	peak
3	5860.000	7.81	32.45	32.15	55.09	63.20	109.40	-46.20	peak

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Test Mode: 07; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High

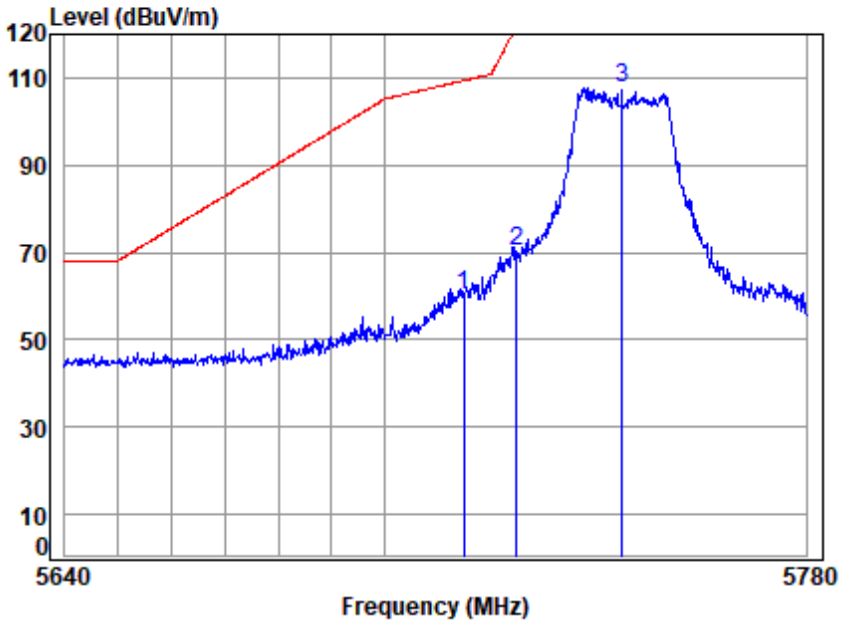


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5795 Band edge
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5795.000	7.89	32.48	32.18	100.18	108.37	------	------	peak
2	5850.000	7.82	32.46	32.16	54.85	62.97	122.20	-59.23	peak
3	5860.000	7.81	32.45	32.15	53.07	61.18	109.40	-48.22	peak

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Test Mode: 07; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

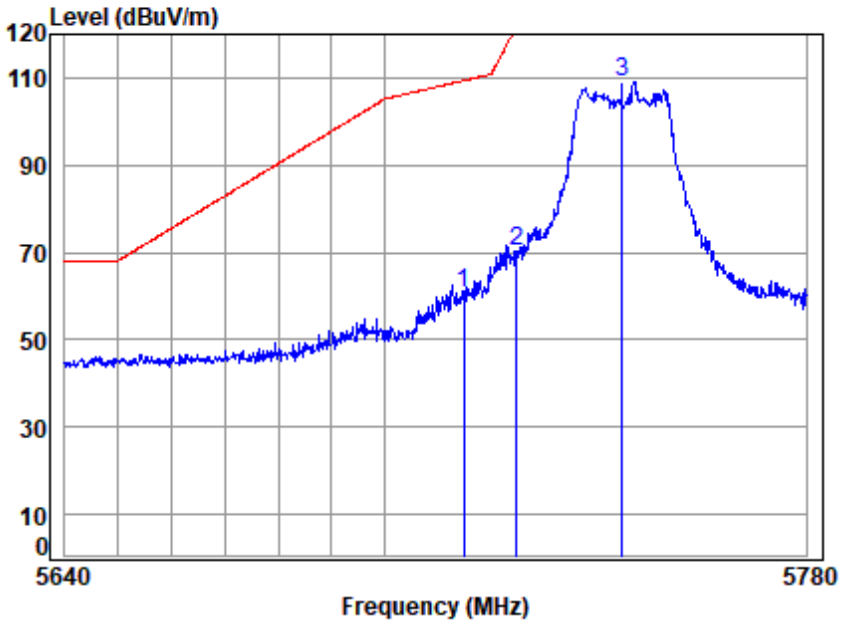


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5745 Band edge
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	7.99	32.51	32.21	51.91	60.20	109.40	-49.20	peak
2	5725.000	7.98	32.51	32.21	61.76	70.04	122.20	-52.16	peak
3	5745.000	7.95	32.50	32.20	99.39	107.64	------	------	peak

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Test Mode: 07; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low

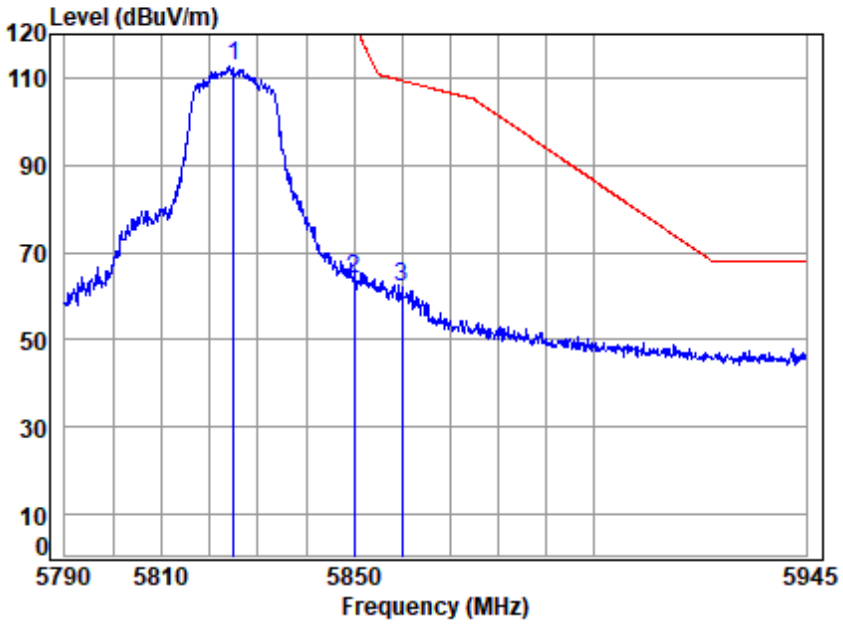


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5745 Band edge
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	7.99	32.51	32.21	52.49	60.78	109.40	-48.62	peak
2	5725.000	7.98	32.51	32.21	62.05	70.33	122.20	-51.87	peak
3	5745.000	7.95	32.50	32.20	100.84	109.09	------	------	peak

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Test Mode: 07; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High

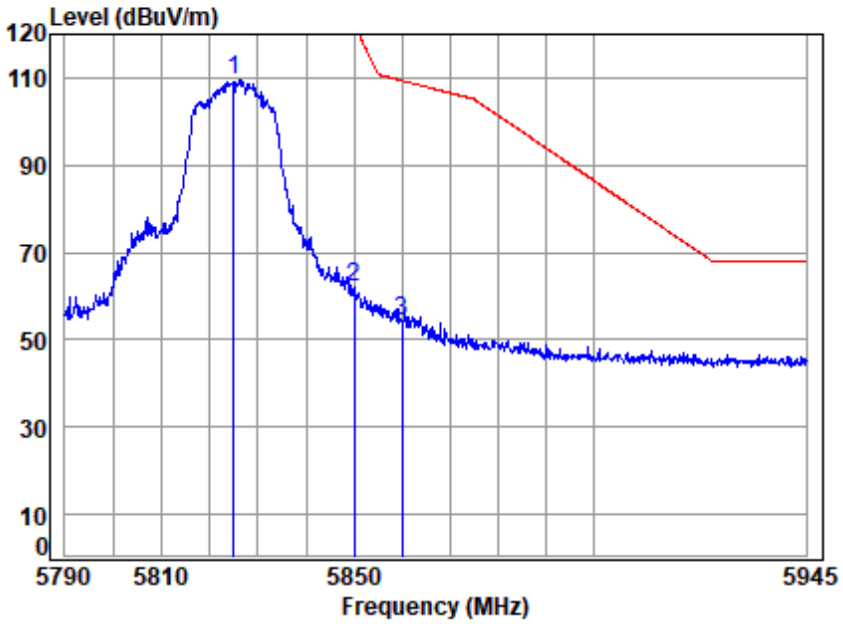


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5825 Band edge
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.000	7.85	32.47	32.17	104.37	112.52	------	------	peak
2	5850.000	7.82	32.46	32.16	55.66	63.78	122.20	-58.42	peak
3	5860.000	7.81	32.45	32.15	54.15	62.26	109.40	-47.14	peak

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Test Mode: 07; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High

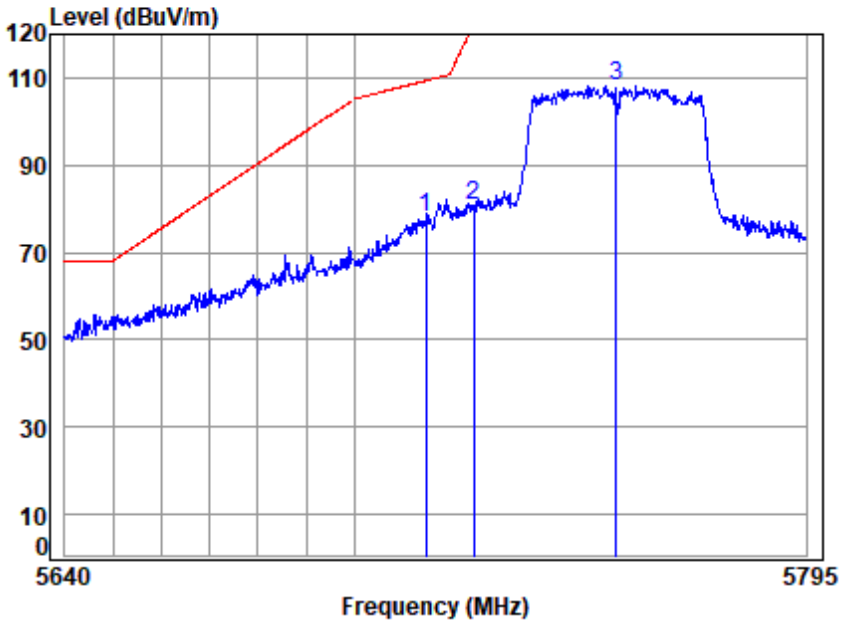


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5825 Band edge
Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.000	7.85	32.47	32.17	101.35	109.50	------	------	peak
2	5850.000	7.82	32.46	32.16	53.93	62.05	122.20	-60.15	peak
3	5860.000	7.81	32.45	32.15	46.28	54.39	109.40	-55.01	peak

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Test Mode: 07; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

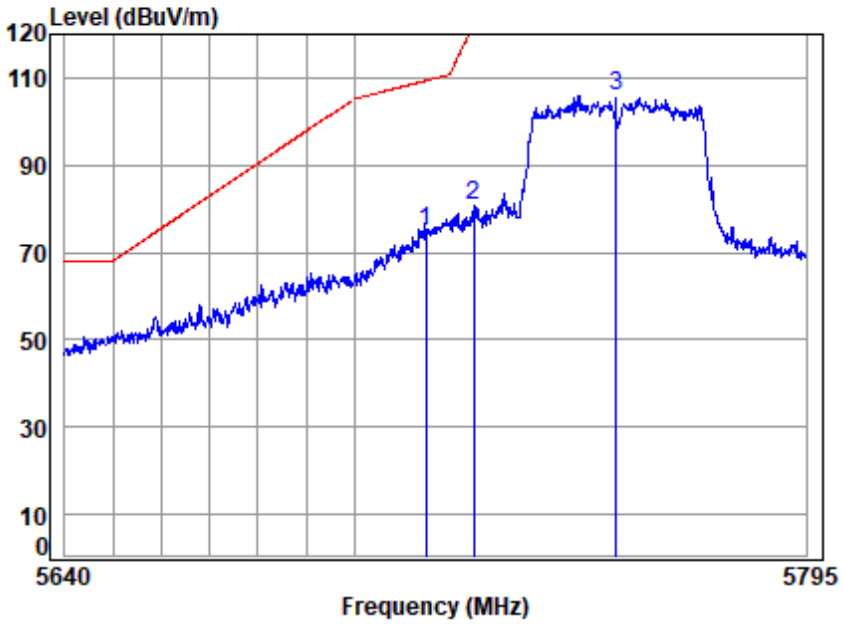


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5755 Band edge
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	7.99	32.51	32.21	69.51	77.80	109.40	-31.60	peak
2	5725.000	7.98	32.51	32.21	72.67	80.95	122.20	-41.25	peak
3	5755.000	7.94	32.50	32.20	99.82	108.06	------	------	peak

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Test Mode: 07; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low

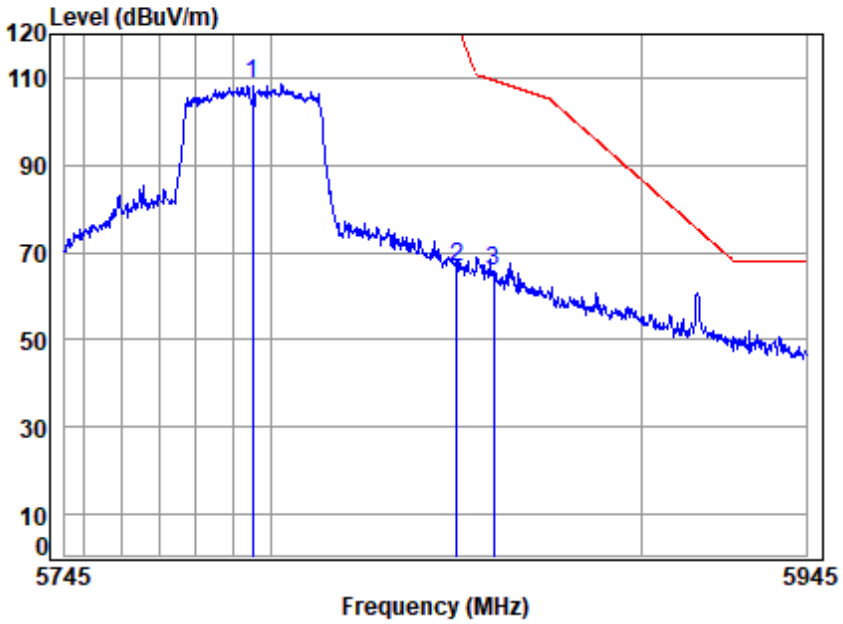


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5755 Band edge
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	7.99	32.51	32.21	66.71	75.00	109.40	-34.40	peak
2	5725.000	7.98	32.51	32.21	72.70	80.98	122.20	-41.22	peak
3	5755.000	7.94	32.50	32.20	97.43	105.67	------	------	peak

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Test Mode: 07; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

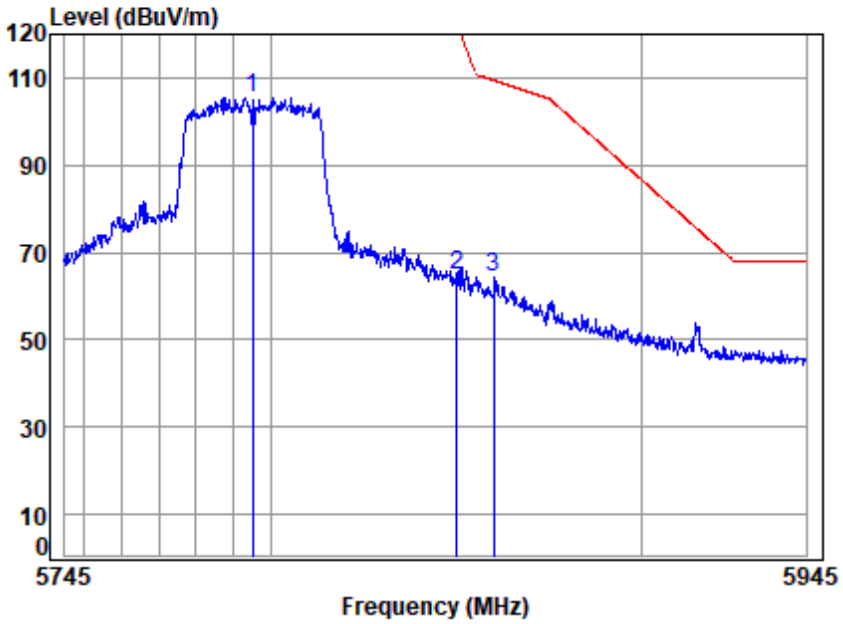


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5795 Band edge
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5795.000	7.89	32.48	32.18	100.22	108.41	------	------	peak
2	5850.000	7.82	32.46	32.16	58.59	66.71	122.20	-55.49	peak
3	5860.000	7.81	32.45	32.15	57.43	65.54	109.40	-43.86	peak

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Test Mode: 07; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

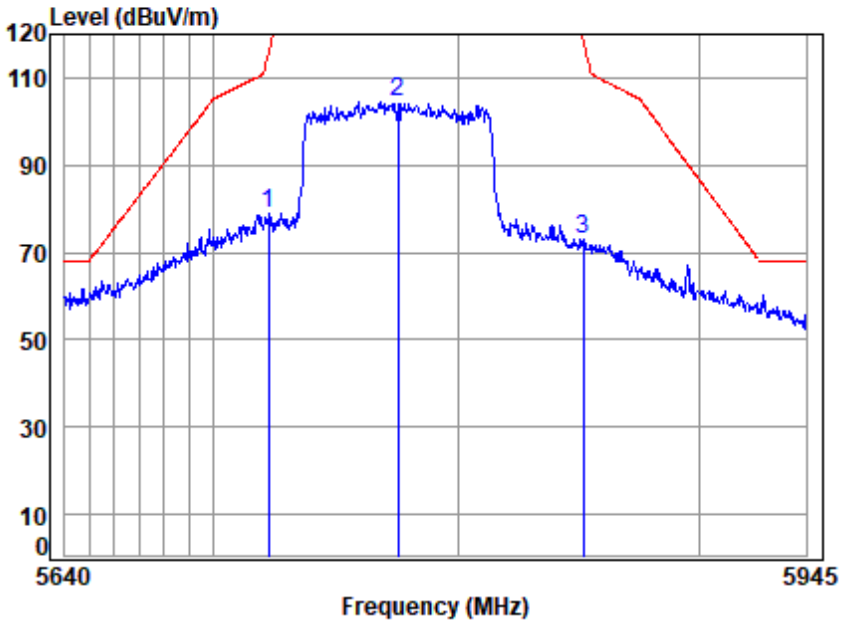


Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5795 Band edge
Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5795.000	7.89	32.48	32.18	97.32	105.51	------	------	peak
2	5850.000	7.82	32.46	32.16	56.78	64.90	122.20	-57.30	peak
3	5860.000	7.81	32.45	32.15	56.35	64.46	109.40	-44.94	peak

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Test Mode: 07; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle

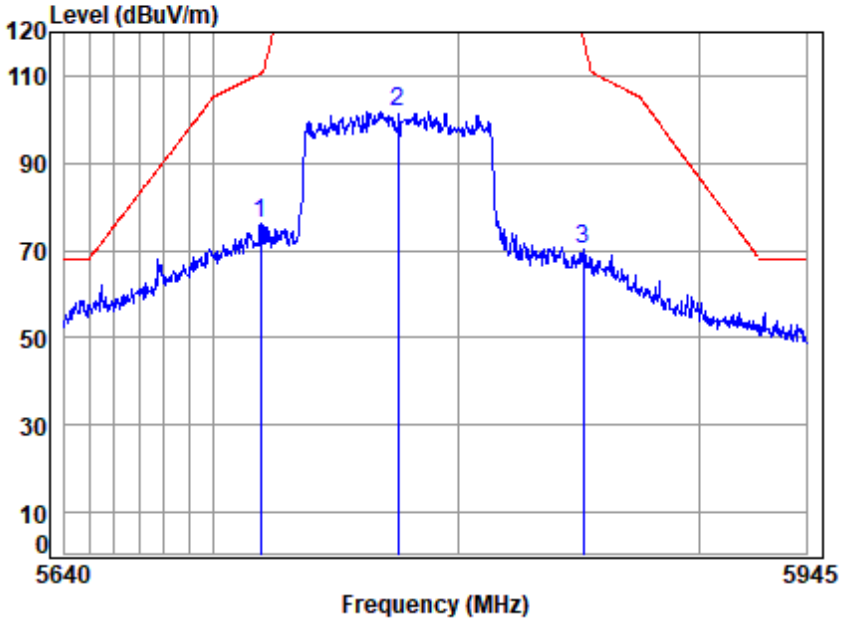


Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT/00016AT
Mode : 5775 Band edge
Note : 5G WIFI 11AC80

	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	5722.280	7.98	32.51	32.21	70.43	78.71	116.00	-37.29	peak
2	5775.000	7.92	32.49	32.19	96.36	104.58	------	------	peak
3	5851.808	7.82	32.46	32.16	65.01	73.13	118.08	-44.95	peak

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Test Mode: 07; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 00015AT/00016AT
Mode : 5775 Band edge
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	5718.966	7.99	32.51	32.21	67.97	76.26	110.51	-34.25	peak
2	5775.000	7.92	32.49	32.19	93.71	101.93	------	------	peak
3	5851.500	7.82	32.46	32.16	61.95	70.07	118.78	-48.71	peak

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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: 23.7 °C Humidity: 45.6 % RH Atmospheric Pressure: 1020 mbar

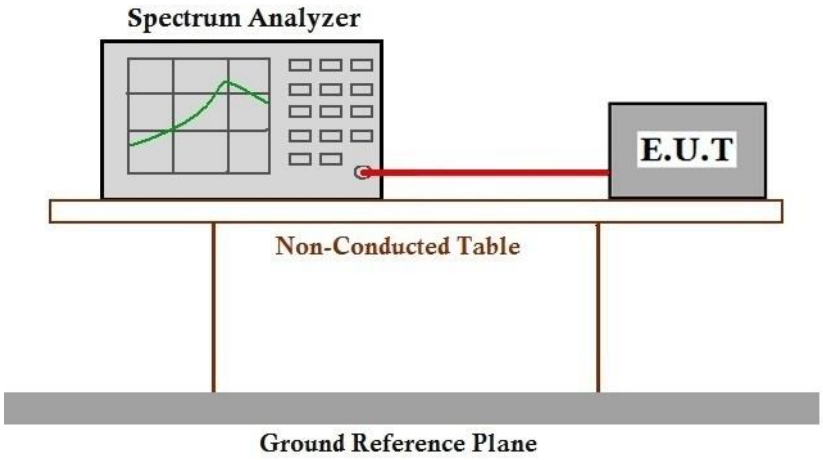
7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	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), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80); final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	07	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80); final test modes are considering the modulation and worse data rates. Only the data of worst case is

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		recorded in the report.

7.9.3 Test Setup Diagram



7.9.4 Measurement Procedure and Data

Please Refer to Appendix for Details

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7.10 Channel Move Time

Test Requirement KDB 905462 D02 Section 5.1
Test Method: KDB 905462 D02 Section 7.8.3

Limit:

Test item	Limit	Applicability	
		Master Device or client with Radar Detection	Client without Radar Detection
Non-occupancy period	Minimum 30 minutes	Yes	Not required
Channel Availability Check Time	60 seconds	Yes	Not required
Channel Move Time	10 seconds See Note 1.	Yes	Yes
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.	Yes	Yes
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.	Yes	Not required

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

7.10.1 E.U.T. Operation

Operating Environment:

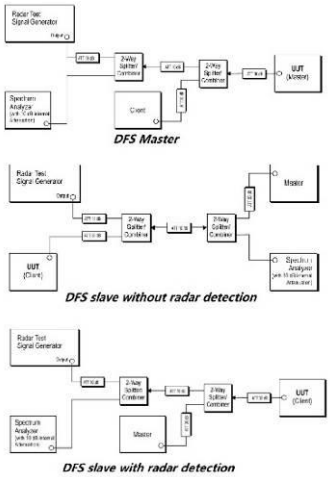
Temperature: 23.7 °C Humidity: 45.6 % RH Atmospheric Pressure: 1020 mbar

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7.10.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	08	Normal operating_Keep the EUT communication with the companion device.

7.10.3 Test Setup Diagram



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中国·深圳·宝安区福永街道凤塘大道鑫龙科技园福永实验室 邮编: 518103 t (86–755) 88663988 f (86–755) 26710594 sgs.china@sgs.com
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7.10.4 Measurement Procedure and Data

1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.

2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.

3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.

4) EUT will associate with the master at channel. The file “iperf.exe” specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.

5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.

6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.

7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: Dwell (0.3ms) =S (12000ms) / B (4000); where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: C (ms)= N X Dwell (0.3ms); where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.

8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

Please Refer to Appendix for Details

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7.11 Channel Closing Transmission Time

Test Requirement KDB 905462 D02 Section 5.1
Test Method: KDB 905462 D02 Section 7.8.3

Limit:

Test item	Limit	Applicability	
		Master Device or client with Radar Detection	Client without Radar Detection
Non-occupancy period	Minimum 30 minutes	Yes	Not required
Channel Availability Check Time	60 seconds	Yes	Not required
Channel Move Time	10 seconds See Note 1.	Yes	Yes
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.	Yes	Yes
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.	Yes	Not required

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

7.11.1 E.U.T. Operation

Operating Environment:

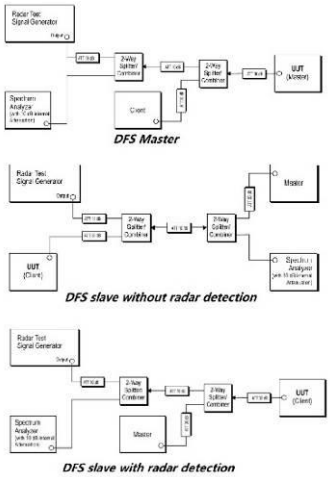
Temperature: 23.7 °C Humidity: 45.6 % RH Atmospheric Pressure: 1020 mbar

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7.11.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	08	Normal operating_Keep the EUT communication with the companion device.

7.11.3 Test Setup Diagram



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7.11.4 Measurement Procedure and Data

1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.

2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.

3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.

4) EUT will associate with the master at channel. The file “iperf.exe” specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.

5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.

6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.

7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: Dwell (0.3ms) =S (12000ms) / B (4000); where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: C (ms)= N X Dwell (0.3ms); where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.

8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

Please Refer to Appendix for Details

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7.12 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

7.12.1 E.U.T. Operation

Operating Environment:

Temperature: 22.0 °C Humidity: 50.6 % RH Atmospheric Pressure: 1020 mbar

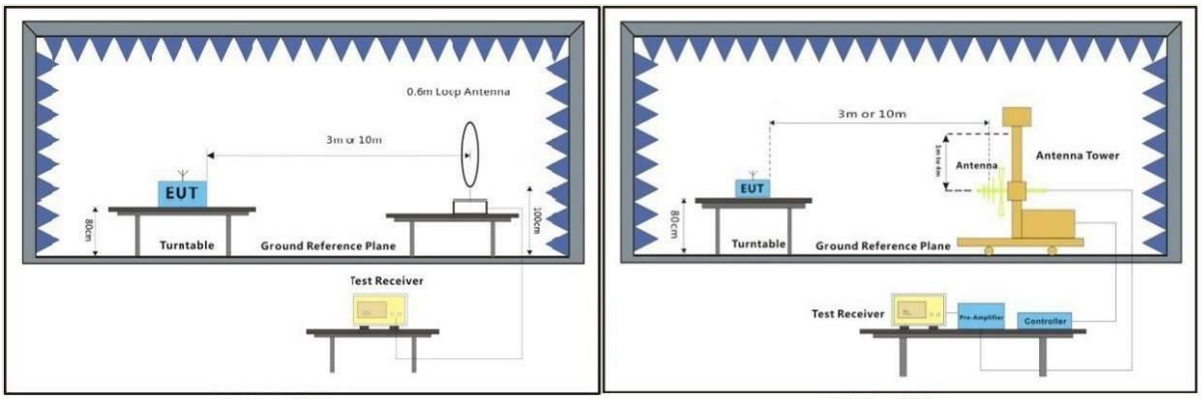
7.12.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	04	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), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Pre-scan	05	TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80), 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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Pre-scan	06	TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80); final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Pre-scan	07	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80); final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.

7.12.3 Test Setup Diagram



Below 30MHz 30MHz-1GHz

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7.12.4 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.

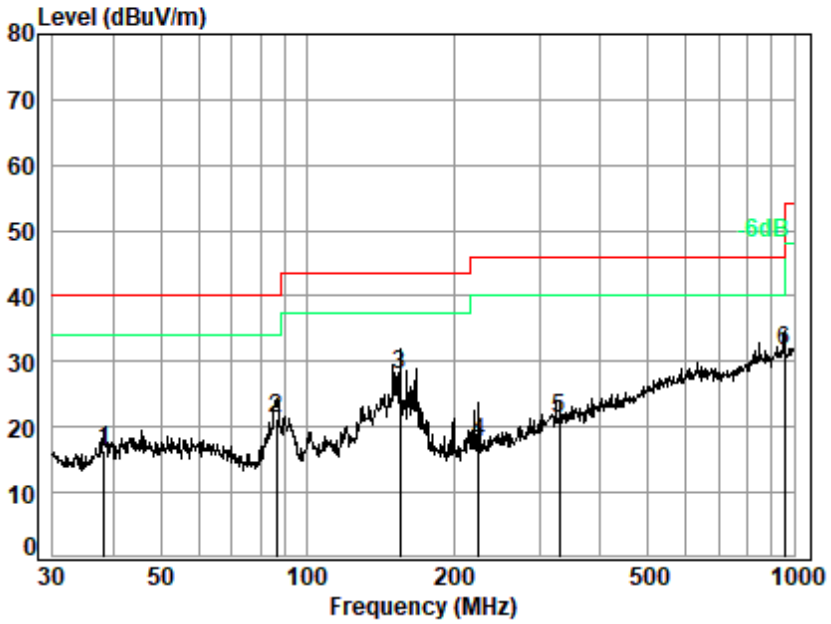
3. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit 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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13.3inch

Test Mode: 04; Polarity: Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No : 00015AT
Mode : 04

	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	38.212	0.20	16.31	25.88	25.72	16.35	40.00	-23.65	QP
2	86.503	0.61	13.68	25.81	32.76	21.24	40.00	-18.76	QP
3	154.821	0.88	17.34	25.52	35.30	28.00	43.50	-15.50	QP
4	225.308	0.78	15.97	25.28	26.19	17.66	46.00	-28.34	QP
5	330.195	1.33	19.51	25.13	25.47	21.18	46.00	-24.82	QP
6	955.438	2.26	29.35	26.30	26.26	31.57	46.00	-14.43	QP

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