

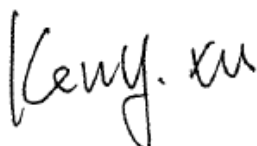
# TEST REPORT

**Application No.:** SZEM2102002038CR  
**Applicant:** Winegard Company  
**Address of Applicant:** 3000 Kirkwood Street, Burlington, Iowa 52601, United States  
**Manufacturer:** Winegard Company  
**Address of Manufacturer:** 3000 Kirkwood Street, Burlington, Iowa 52601, United States  
**Factory:** 1. Aztech Communication Device (DG) Ltd  
 2. IOT Manufacturing SDN.BHD.  
**Address of Factory:** 1. Jiu Jiang Shui Village, Chang Ping Town, Dong Guan City, Guang Dong Province, China  
 2. No. 8 & 10, Setia Business Park, Jalan Laman Setia 7/4, Taman Laman Setia, 81550 Gelang Patah, Johor Bahru, Malaysia

**Equipment Under Test (EUT):**  
**EUT Name:** 1. Gateway PRO  
 2. WiFi Access Point/Extender with Bridge Mode 2.4/5Ghz  
**Model No.:** WG04, WG02 ♣  
 ♣ Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.  
**Trade Mark:** Winegard  
**FCC ID:** C3D-AZ1333300  
**Standard(s) :** 47 CFR Part 15, Subpart E 15.407  
**Date of Receipt:** 2021-02-24  
**Date of Test:** 2021-04-07 to 2021-04-28  
**Date of Issue:** 2021-04-29

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



Keny Xu  
 EMC Laboratory Manager



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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2021-04-29		Original

<b>Authorized for issue by:</b>			
		<i>Edison Li</i>	
		Edison Li/Project Engineer	
		<i>Eric Fu</i>	
		Eric Fu/Reviewer	



## 2 Test Summary

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

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
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 C 15.407 (a)	Pass
Minimum 6 dB bandwidth (5.725-5.85 GHz band)		KDB 789033 D02 II C 2	47 CFR Part 15, Subpart C 15.407 (e)	Pass
Maximum Conducted output power		KDB 789033 D02 II E	47 CFR Part 15, Subpart C 15.407 (a)	Pass
Peak Power spectrum density		KDB 789033 D02 II F	47 CFR Part 15, Subpart C 15.407 (a)	Pass
Radiated Emissions (Below 1GHz)		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & 15.407(b)	Pass
Radiated Emissions (Above 1GHz)		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & 15.407(b)	Pass
Radiated Emissions which fall in the restricted bands		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & 15.407(b)	Pass
Frequency Stability		ANSI C63.10 (2013) Section 6.8	47 CFR Part 15, Subpart C 15.407 (g)	Pass



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**Remark:**

Model No.: WG04, WG02

Since according to the declaration from the applicant, the electrical circuit design, layout, components used, internal wiring and functions were identical for all the above models, only the difference as below:

	WG02	WG04
Product Board Configuration Name:	WiFi Access Point/Extender with Bridge Mode 2.4/5Ghz	Gateway PRO
5G 3x3 WiFi	Yes	Yes
2.4G 3x3 WiFi	Yes	Yes
LTE Module	No	Yes
mPCIE Slot	Yes	Yes
MicroSD Slot	No	Yes
Accelerometer and Temp Sensor	No	Yes
GE WAN port	Yes	No
POE Sink	Yes	No
POE Source	No	No
GE LAN port	No	Yes
Spare connectors	No	Yes
Power Analysis MCU	No	Yes
USB Ports	None, 0	Yes, 1 USB A
SIM Card Slot	/	1 through Dual SIM connector
	/	1 through flat flex selectable
Mains Power	Through WAN/PPOE only	12V vehicle power path.

Both models WG04 and WG02 was tested, this report only recorded the worst data.



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## 4 General Information

### 4.1 Details of E.U.T. for WG04

Power supply:	DC 12V			
Internal source:	More than 108MHz			
Operation Frequency	Band	Mode	Frequency Range(MHz)	Number of channels
	UNII Band I	802.11a/n(HT20)/ac(HT20)	5180-5240	4
		802.11n(HT40)/ac(HT40)	5190-5230	2
		802.11ac(HT80)	5210	1
	UNII Band II-A	802.11a/n(HT20)/ac(HT20)	5260-5320	4
		802.11n(HT40)/ac(HT40)	5270-5310	2
		802.11ac(HT80)	5290	1
	UNII Band II-C	802.11a/n(HT20)/ac(HT20)	5500-5700	8
		802.11n(HT40)/ac(HT40)	5510-5670	5
		802.11ac(HT80)	5530,5610	2
	UNII Band III	802.11a/n(HT20)/ac(HT20)	5745-5825	5
		802.11n(HT40)/ac(HT40)	5755-5795	2
802.11ac(HT80)		5775	1	
Modulation Type:	802.11a: OFDM(64QAM, 16QAM, QPSK, BPSK) 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM) 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)			
DFS Function:	Master			
TPC Function:	Support			
Sample Type:	Fixed devices			
Antenna Type:	PCB antenna			
Antenna Gain:	Antenna1/Antenna2/Antenna3: 4.6dBi Note: three antennas can simultaneous transmission.			

### 4.2 Details of E.U.T. for WG02

Power supply:	POE Adapter Model: WM024SP-240-A REV 1MM Input: AC 100-240V, 50/60Hz, 0.8A Output: DC 24V, 1.0A 10/100/1000Mbps			
Internal source:	More than 108MHz			
Operation Frequency	Band	Mode	Frequency Range(MHz)	Number of channels
	UNII Band I	802.11a/n(HT20)/ac(HT20)	5180-5240	4
		802.11n(HT40)/ac(HT40)	5190-5230	2
		802.11ac(HT80)	5210	1
	UNII Band II-A	802.11a/n(HT20)/ac(HT20)	5260-5320	4



		802.11n(HT40)/ac(HT40)	5270-5310	2
		802.11ac(HT80)	5290	1
	UNII Band II-C	802.11a/n(HT20)/ac(HT20)	5500-5700	8
		802.11n(HT40)/ac(HT40)	5510-5670	5
		802.11ac(HT80)	5530,5610	2
	UNII Band III	802.11a/n(HT20)/ac(HT20)	5745-5825	5
		802.11n(HT40)/ac(HT40)	5755-5795	2
802.11ac(HT80)		5775	1	
Modulation Type:	802.11a: OFDM(64QAM, 16QAM, QPSK, BPSK) 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM) 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)			
DFS Function:	Master			
TPC Function:	Support			
Sample Type:	Fixed devices			
Antenna Type:	PCB antenna			
Antenna Gain:	Antenna1/Antenna2/Antenna3: 4.6dBi Note: three antennas can simultaneous transmission.			

#### 4.3 Description of Support Units for WG04

Description	Manufacturer	Model No.	Serial No.
DC power	ZHAOXIN	RXN-305D	REF. No.SEA2700
Network Cable	SGS	N/A	REF. No.SEA1100

#### 4.4 Description of Support Units for WG02

Description	Manufacturer	Model No.	Serial No.
Network Cable	SGS	N/A	REF. No.SEA1100



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**4.5 Measurement Uncertainty**

Test Item	Measurement Uncertainty
Duty Cycle	± 0.37%
99% Bandwidth	± 3%
26dB Emission bandwidth	± 3%
Minimum 6 dB bandwidth (5.725-5.85 GHz band )	± 3%
Maximum Conducted output power	± 0.75dB
Peak Power spectrum density	± 2.84dB
Radiated Emissions (Above 1GHz)	± 4.8dB
Radiated Emissions which fall in the restricted bands	± 4.5dB (below 1GHz); ± 4.8dB (above 1GHz);
Frequency Stability	± 7.25 x 10-8
Radiated Emissions (Below 1GHz)	± 4.5dB



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#### 4.6 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, Guangdong, China. 518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

#### 4.7 Test Facility

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

- **A2LA (Certificate No. 3816.01)**

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

- **VCCI**

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

- **FCC –Designation Number: CN1178**

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

Designation Number: CN1178. Test Firm Registration Number: 406779.

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

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

CAB identifier: CN0006.

IC#: 4620C.

#### 4.8 Deviation from Standards

None

#### 4.9 Abnormalities from Standard Conditions

None



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## 5 Equipment List

Conducted Emission					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2019-06-13	2022-06-12
LISN	Rohde & Schwarz	ENV216	SEM007-01	2020-09-23	2021-09-22
LISN	ETS-LINDGREN	3816/2	SEM007-02	2021-03-24	2022-03-23
EMI Test Receiver(9kHz-3GHz)	Rohde & Schwarz	ESCI	SEM004-02	2021-03-24	2022-03-23
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2020-07-10	2021-07-09

RF Conducted Test					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Shielding Room	SAEMC	MSR733	SEM001-09	2019-06-13	2022-06-12
DC Power Supply	Rohde & Schwarz	NGSM 32/10	SEM011-04	2021-03-23	2022-03-22
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-17	2020-04-10	2021-04-09
				2021-04-08	2022-04-07
Measurement Software	TST	TST PASS V1.0.5	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2020-07-10	2021-07-09
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2020-04-10	2021-04-09
				2021-04-08	2022-04-07

Radiated Emissions (above 1GHz)					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2021-03-26	2024-03-25
EXA Signal Analyzer	Agilent Technologies Inc	N9010A	SEM004-12	2021-02-01	2022-01-31
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2018-04-13	2021-04-12
				2021-04-11	2024-04-10
Pre-Amplifier	Compliance Directions Systems Inc.	PAP-0126	SEM004-11	2020-09-23	2021-09-22
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2020-07-10	2021-07-09



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Radiated Spurious Emissions					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2021-03-26	2024-03-25
EXA Signal Analyzer	Agilent Technologies Inc	N9010A	SEM004-12	2021-02-01	2022-01-31
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2018-04-13	2021-04-12
				2021-04-11	2024-04-10
Pre-Amplifier	Compliance Directions Systems Inc.	PAP-0126	SEM004-11	2020-09-23	2021-09-22
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2020-07-10	2021-07-09
Horn Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2020-11-14	2023-11-13
Pre-Amplifier	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2021-03-24	2022-03-23

Radiated Emissions which fall in the restricted bands					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2021-03-26	2024-03-25
EXA Signal Analyzer	Agilent Technologies Inc	N9010A	SEM004-12	2021-02-01	2022-01-31
Horn Antenna	Rohde&Schwarz	HF907	SEM003-07	2018-04-13	2021-04-12
				2021-04-11	2024-04-10
Pre-Amplifier	Compliance Directions Systems Inc.	PAP-0126	SEM004-11	2020-09-23	2021-09-22
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2020-07-10	2021-07-09
Horn Antenna	Schwarzbeck	BBHA 9170	SEM003-15	2020-11-14	2023-11-13
Pre-Amplifier	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2021-03-24	2022-03-23



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General used equipment					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	ZJ1-2B	SEM002-04	2020-09-15	2021-09-14
Humidity/ Temperature Indicator	Mingle	N/A	SEM002-08	2020-09-15	2021-09-14
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2021-03-30	2022-03-29



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

EUT Antenna:

The antenna connector is a IPEX type that comply with Part15.203, the best case gain of the antenna1/antenna2/antenna3 is 4.6dBi.

Antenna location: Refer to Internal photos.



## 6.2 Transmission in the Absence of Data

### 6.2.1 Test Requirement:

47 CFR Part 15, Subpart C 15.407 (c)

### 6.2.2 Conclusion

Standard Requirement:

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

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

EUT Details:

WIFI chip (MT7615N) support automatically discontinue transmission in case of either absence of information to transmit or operational failure, if the chip detect absence of information to transmit or operational failure, it will be automatically shut off.



## 7 Radio Spectrum Matter Test Results

### 7.1 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: 25.5 °C Humidity: 40.0 % RH Atmospheric Pressure: 1010 mbar

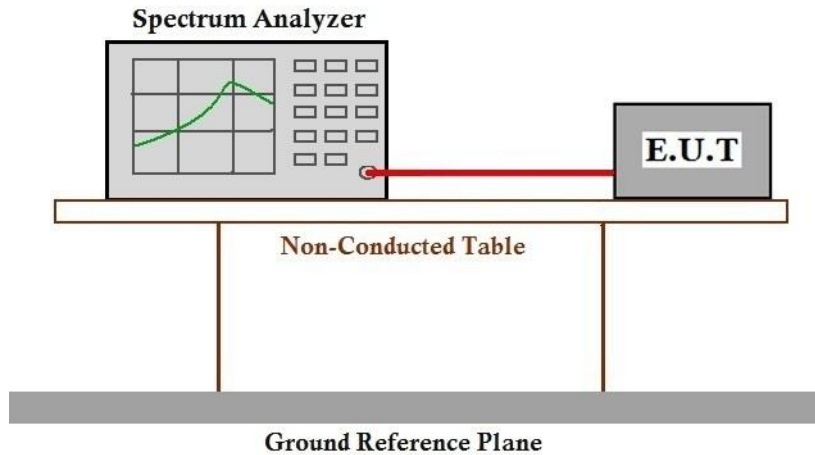
#### 7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	03	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 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	04	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 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.





### 7.1.3 Test Setup Diagram



### 7.1.4 Measurement Procedure and Data

Please Refer To Appendix For Details



**7.2 99% Bandwidth**

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

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

Operating Environment:  
 Temperature: 25.5 °C Humidity: 40.0 % RH Atmospheric Pressure: 1010 mbar

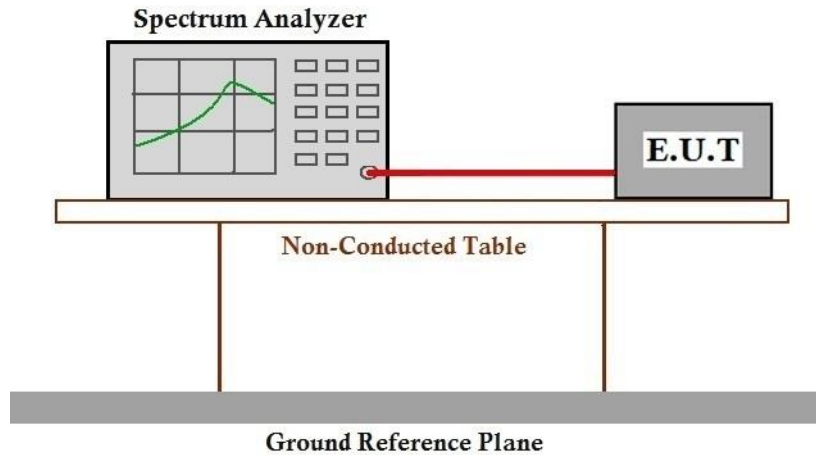
**7.2.2 Test Mode Description**

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	03	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). Only the data of worst case is recorded in the report.
Final test	04	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). Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.



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### 7.2.3 Test Setup Diagram



### 7.2.4 Measurement Procedure and Data

Please Refer To Appendix For Details



**7.3 26dB Emission bandwidth**

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

**7.3.1 E.U.T. Operation**

Operating Environment:  
 Temperature: 25.5 °C Humidity: 40.0 % RH Atmospheric Pressure: 1010 mbar

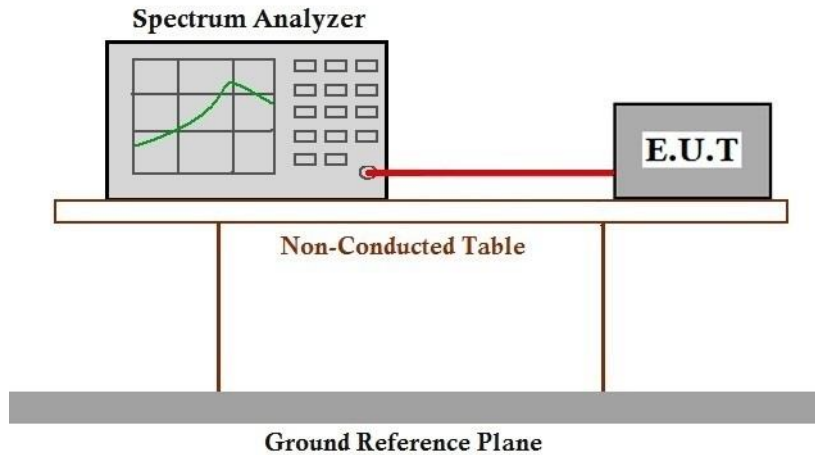
**7.3.2 Test Mode Description**

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	03	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). Only the data of worst case is recorded in the report.
Final test	04	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). Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.



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### 7.3.3 Test Setup Diagram



### 7.3.4 Measurement Procedure and Data

Please Refer To Appendix For Details



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

Test Requirement 47 CFR Part 15, Subpart C 15.407 (e)  
 Test Method: KDB 789033 D02 II C 2  
 Limit:  $\geq 500$  kHz

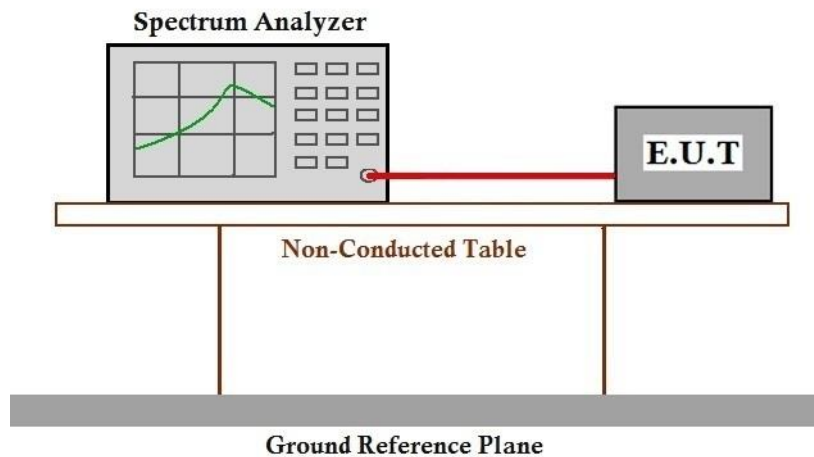
**7.4.1 E.U.T. Operation**

Operating Environment:  
 Temperature: 25.5 °C Humidity: 40.0 % RH Atmospheric Pressure: 1010 mbar

**7.4.2 Test Mode Description**

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

**7.4.3 Test Setup Diagram**



**7.4.4 Measurement Procedure and Data**

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**7.5 Maximum Conducted output power**

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

Frequency band(MHz)	Limit
5150-5250	≤1W(30dBm) for master device
	≤250mW(23.98dBm) for client device
5250-5350	≤250mW(23.98dBm) for client device or 11dBm+10logB*
5470-5725	≤250mW(23.98dBm) 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.	

According to above formula and the test data of 26dB BW, the limit for each mode at Band **U-NII-2A** is below:

- 802.11a: 23.89dBm(Conducted);
- 802.11n20: 24.09dBm(Conducted);
- 802.11n40: 27.04dBm(Conducted);
- 802.11ac20: 23.99dBm(Conducted);
- 802.11ac40: 27.03dBm(Conducted);
- 802.11ac80: 30.05dBm(Conducted).

According to above formula and the test data of 26dB BW, the limit for each mode at Band **U-NII-2C** is below:

- 802.11a: 23.91dBm(Conducted);
- 802.11n20: 24.06dBm(Conducted);
- 802.11n40: 27.10dBm(Conducted);
- 802.11ac20: 23.99dBm(Conducted);
- 802.11ac40: 27.04dBm(Conducted);
- 802.11ac80: 30.05dBm(Conducted).

**7.5.1 E.U.T. Operation**

Operating Environment:

Temperature: 25.5 °C      Humidity: 40.0 % RH      Atmospheric Pressure: 1010 mbar



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 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

**7.5.2 Test Mode Description**

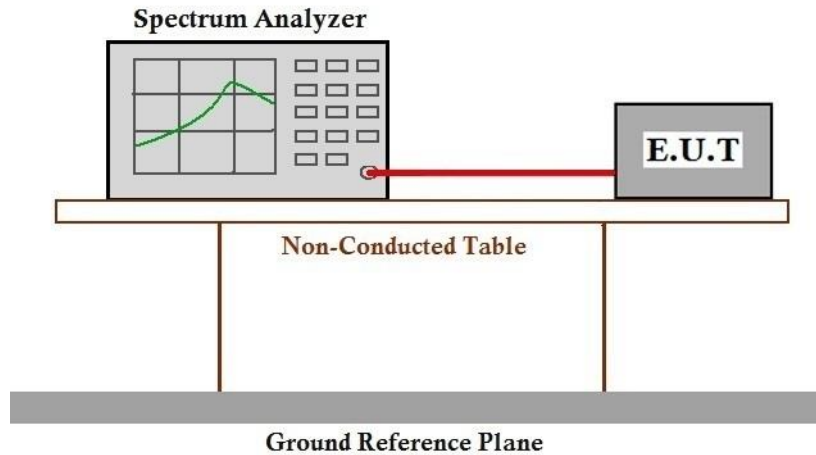
Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	03	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). Only the data of worst case is recorded in the report.
Final test	04	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). Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.



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### 7.5.3 Test Setup Diagram



### 7.5.4 Measurement Procedure and Data

Please Refer To Appendix For Details



**7.6 Peak Power spectrum density**

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

Frequency band(MHz)	Limit
5150-5250	≤17dBm in 1MHz for master device
	≤11dBm in 1MHz for client device
5250-5350	≤11dBm in 1MHz for client device
5470-5725	≤11dBm in 1MHz for client device
5725-5850	≤30dBm in 500 kHz

Remark:

The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test.

**7.6.1 E.U.T. Operation**

Operating Environment:  
 Temperature: 25.5 °C Humidity: 40.0 % RH Atmospheric Pressure: 1010 mbar

**7.6.2 Test Mode Description**

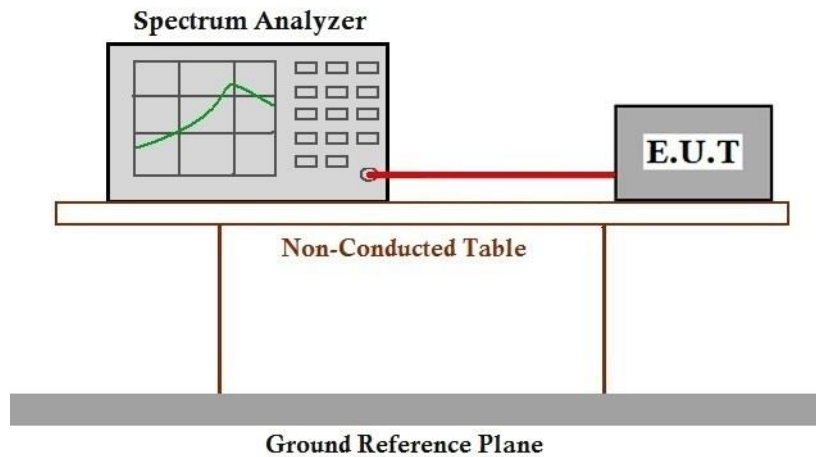
Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	03	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). Only the data of worst case is recorded in the report.
Final test	04	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). Only the data of worst case is recorded in the report.



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Final test	05	TX mode (U-NII-3) Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
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### 7.6.3 Test Setup Diagram



### 7.6.4 Measurement Procedure and Data

Please Refer To Appendix For Details



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

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

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

**7.7.1 E.U.T. Operation**

Operating Environment:  
 Temperature: 25.5 °C Humidity: 51.9 % RH Atmospheric Pressure: 1010 mbar

**7.7.2 Test Mode Description**

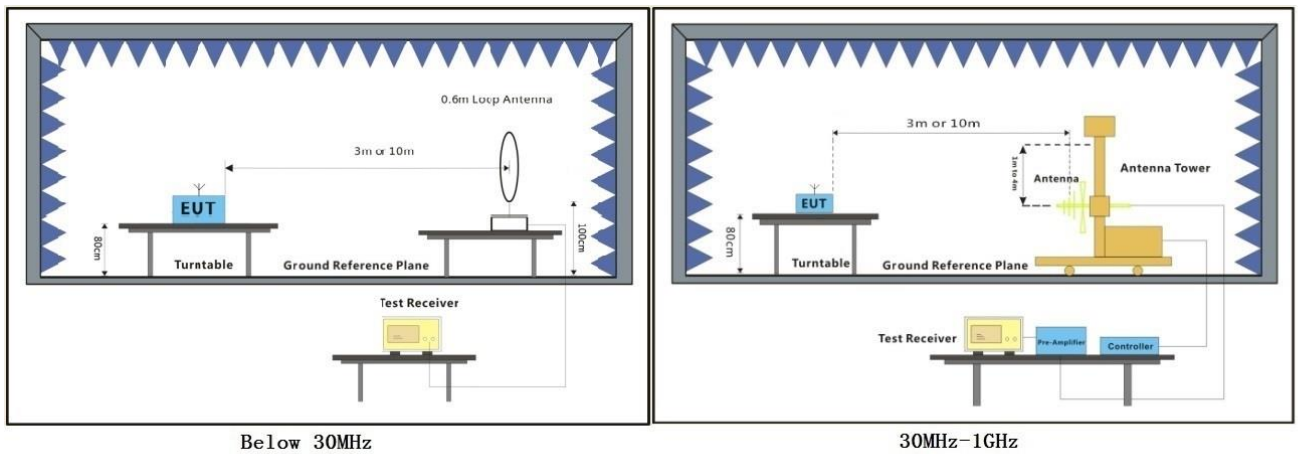
Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Pre-scan	03	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). Only the data of worst case is recorded in the report.
Pre-scan	04	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). Only the data of worst case is recorded in the



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		report.
Pre-scan	05	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

### 7.7.3 Test Setup Diagram



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**7.7.4 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:

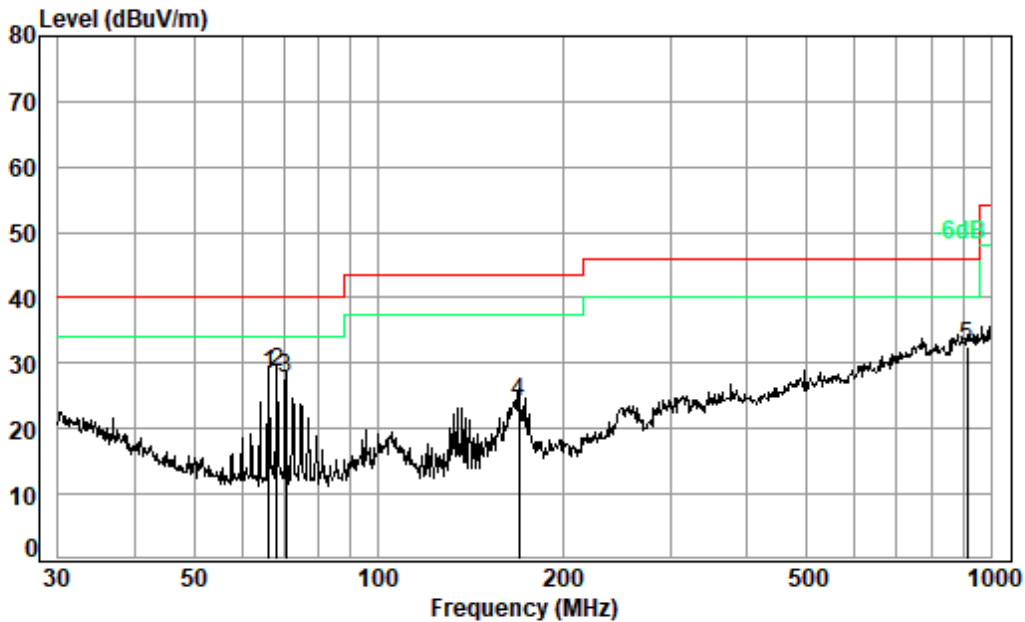
- 1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- 2. For emission below 1GHz, through the pre-scan found the worst case is the lowest channel of 802.11a. Only the worst case is recorded in the report.
- 3. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points 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.
- 5. Pretest the EUT at antenna1, antenna2 and antenna3, found the antenna1 which is worst case for 802.11a mode; Pretest the EUT at antenna1, antenna2, antenna3 and MIMO mode, found the MIMO mode which is worst case for 802.1n and 802.11ac mode;  
 So, Only the worst test data is recorded in the report.
- 6. For disturbance above 1GHz, both models WG04 and WG02 was tested, this report only recorded the worst data.



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Test data for WG04

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



Condition: 3m HORIZONTAL

Job No. : 02038CR

Test Mode: 02

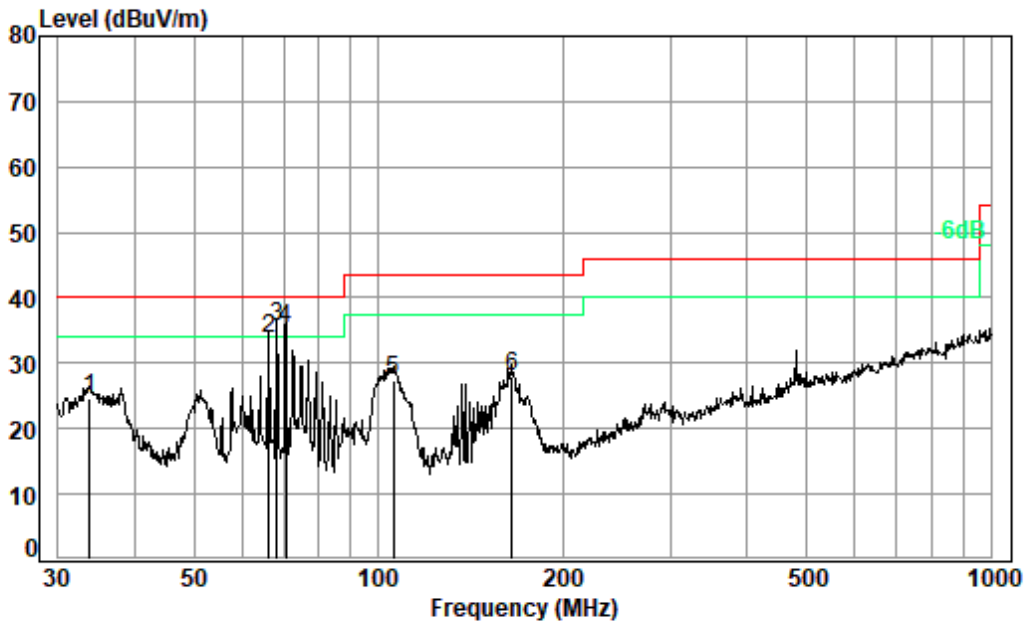
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	66.27	0.80	12.77	27.65	42.47	28.39	40.00	-11.61	QP
2	68.39	0.80	12.62	27.65	42.82	28.59	40.00	-11.41	QP
3	70.58	0.82	12.64	27.65	41.84	27.65	40.00	-12.35	QP
4	169.60	1.18	15.59	27.25	34.59	24.11	43.50	-19.39	QP
5	916.07	3.52	29.14	27.08	26.87	32.45	46.00	-13.55	QP



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



Condition: 3m VERTICAL

Job No. : 02038CR

Test Mode: 02

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	33.80	0.64	20.96	27.72	30.62	24.50	40.00	-15.50	QP
2	66.27	0.80	12.77	27.65	47.78	33.70	40.00	-6.30	QP
3 pp	68.39	0.80	12.62	27.65	49.84	35.61	40.00	-4.39	QP
4	70.58	0.82	12.64	27.65	49.36	35.17	40.00	-4.83	QP
5	106.01	1.11	13.82	27.57	40.05	27.41	43.50	-16.09	QP
6	165.49	1.17	15.51	27.27	38.48	27.89	43.50	-15.61	QP

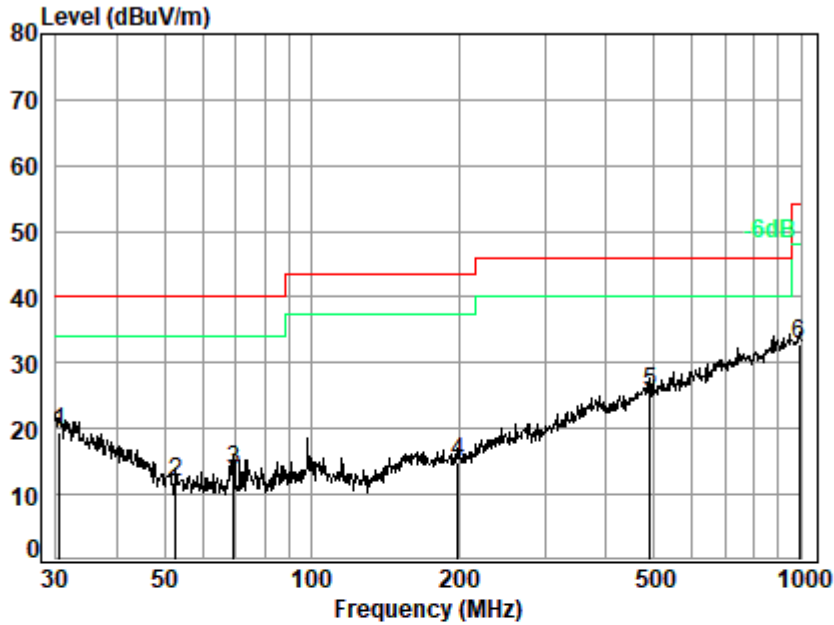


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Test data for WG02

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

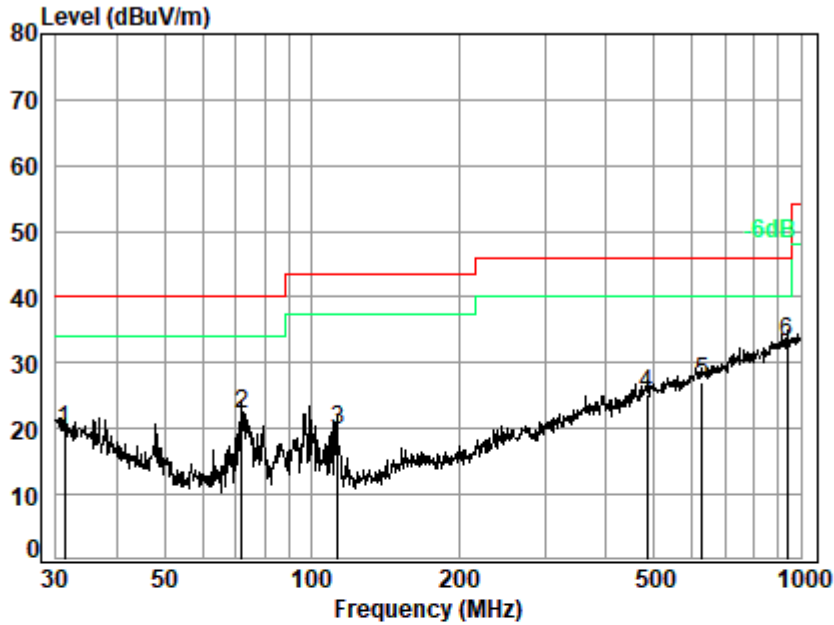


Site : chamber  
Condition: 3m HORIZONTAL  
Job No. : 02038CR  
Test Mode: 02

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	30.53	0.61	22.59	27.73	24.09	19.56	40.00	-20.44 QP
2	52.76	0.73	13.50	27.68	25.30	11.85	40.00	-28.15 QP
3	69.36	0.80	12.67	27.65	27.88	13.70	40.00	-26.30 QP
4	199.29	1.20	15.78	27.15	25.22	15.05	43.50	-28.45 QP
5 q	492.47	2.49	24.25	27.77	26.59	25.56	46.00	-20.44 QP
6	993.01	3.59	29.70	26.69	26.17	32.77	54.00	-21.23 QP



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



Site : chamber  
Condition: 3m VERTICAL  
Job No. : 02038CR  
Test Mode: 02

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	31.18	0.61	22.10	27.73	24.66	19.64	40.00	-20.36 QP
2	72.08	0.89	12.50	27.64	36.32	22.07	40.00	-17.93 QP
3	112.92	1.12	13.49	27.53	32.68	19.76	43.50	-23.74 QP
4	483.91	2.47	24.30	27.74	26.30	25.33	46.00	-20.67 QP
5	629.48	2.76	26.51	28.06	25.99	27.20	46.00	-18.80 QP
6 q	938.83	3.54	29.20	26.96	27.32	33.10	46.00	-12.90 QP



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

Test Requirement	47 CFR Part 15, Subpart C 15.209 & 15.407(b)
Test Method:	KDB 789033 D02 II G
Limit:	
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 (68.2dBuV/m).
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 (68.2dBuV/m).
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 (68.2dBuV/m).
For transmitters operating in the 5.725-5.85 GHz band:	(i) All emissions shall be limited to a level of -27 dBm/MHz (68.2dBuV/m) at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz (105.2dBuV/m) 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 (110.8dBuV/m) 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 (122.2dBuV/m) at the band edge.

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

Operating Environment:  
 Temperature: 23.5 °C      Humidity: 56.3 % RH      Atmospheric Pressure: 1010 mbar

**7.8.2 Test Mode Description**

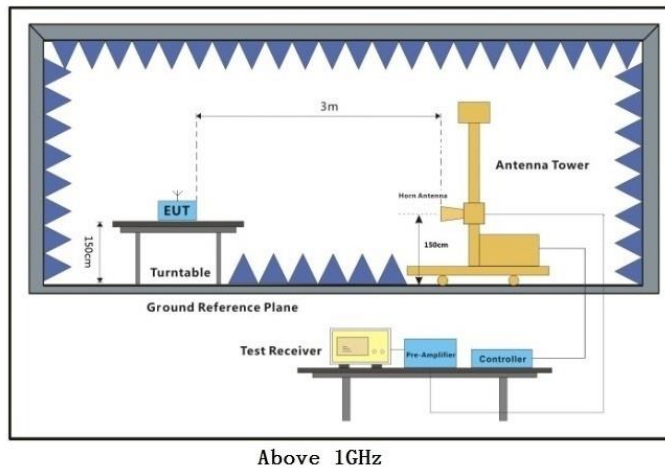
Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	03	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). Only the data of worst case is recorded in the report.
Final test	04	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



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 No.1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn  
 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

		802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

### 7.8.3 Test Setup Diagram



**7.8.4 Measurement Procedure and Data**

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

Remark:

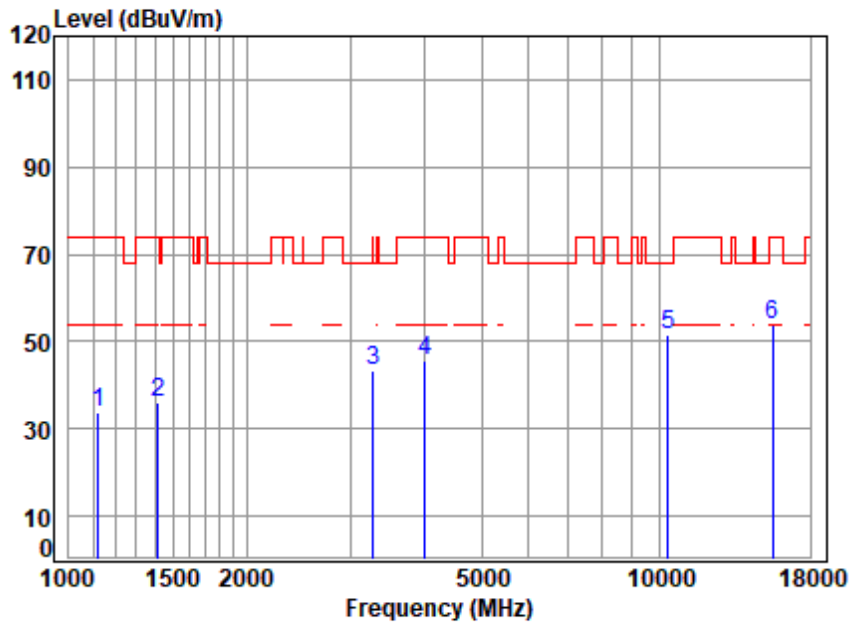
- 1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
  - 2. Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
  - 3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.
  - 4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
  - 5. Pretest the EUT at antenna1, antenna2 and antenna3, found the antenna1 which is worst case for 802.11a mode; Pretest the EUT at antenna1, antenna2, antenna3 and MIMO mode, found the MIMO mode which is worst case for 802.1n and 802.11ac mode;
- So, Only the worst test data is recorded in the report.



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Test data for WG04

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



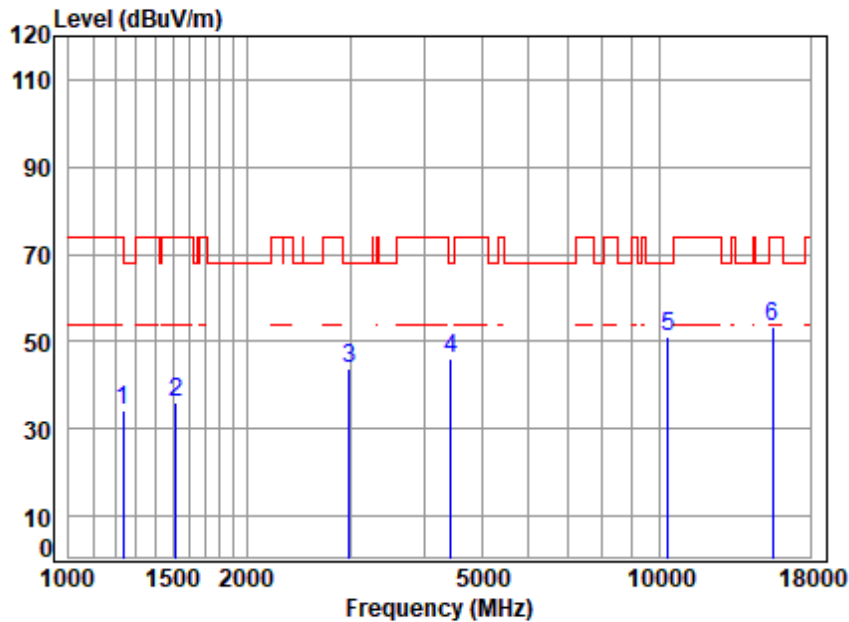
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5180 TX RSE  
 Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.563	2.62	24.23	39.70	46.46	33.61	74.00	-40.39 peak
2	1414.597	3.13	25.48	39.90	47.54	36.25	74.00	-37.75 peak
3	3280.326	5.24	31.36	40.92	47.52	43.20	68.20	-25.00 peak
4	4004.339	6.28	32.71	41.40	48.11	45.70	74.00	-28.30 peak
5	10360.000	10.57	37.76	37.29	40.74	51.78	68.20	-16.42 peak
6	15540.000	13.97	40.72	40.38	39.40	53.71	74.00	-20.29 peak



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



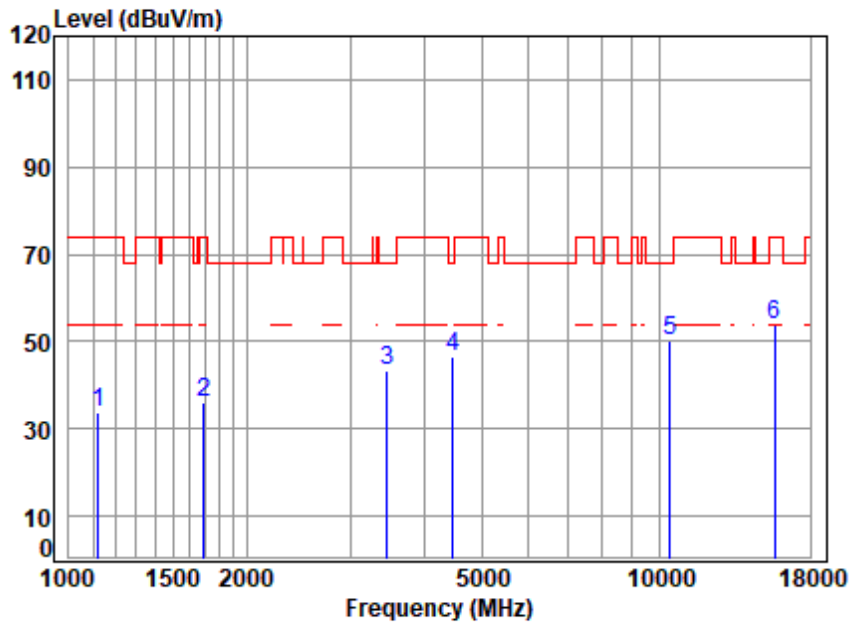
Site : chamber  
Condition: 3m VERTICAL  
Job No : 02038CR  
Mode : 5180 TX RSE  
Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1234.909	2.83	24.74	39.78	46.31	34.10	74.00	-39.90 peak
2	1516.210	3.27	25.87	39.96	47.06	36.24	74.00	-37.76 peak
3	2981.899	4.85	30.83	40.69	48.60	43.59	68.20	-24.61 peak
4	4430.628	6.70	33.48	41.81	47.73	46.10	68.20	-22.10 peak
5	10360.000	10.57	37.76	37.29	40.12	51.16	68.20	-17.04 peak
6	15540.000	13.97	40.72	40.38	39.13	53.44	74.00	-20.56 peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5220 TX RSE  
 Note : 5G WIFI 11A

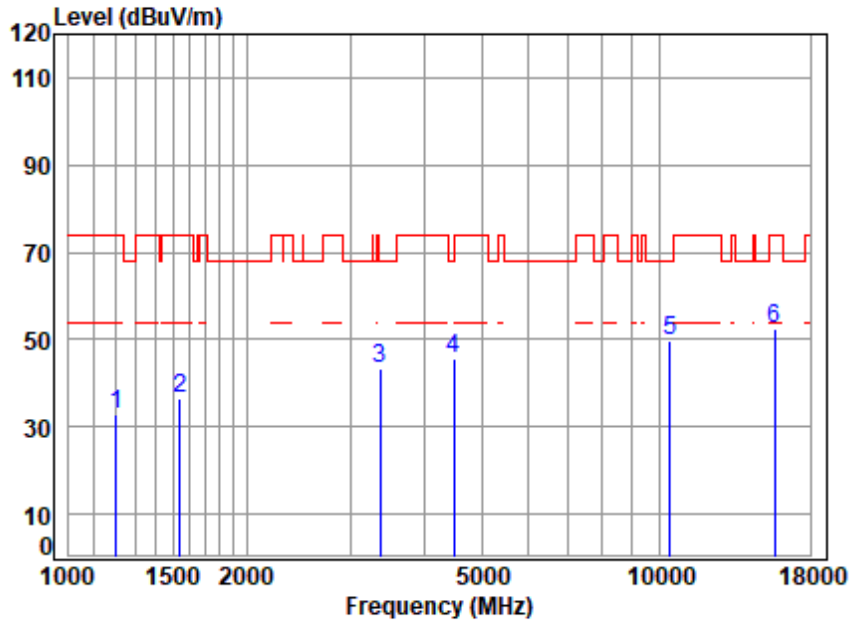
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.563	2.62	24.23	39.70	46.76	33.91	74.00	-40.09 peak
2	1692.231	3.42	26.64	40.06	45.94	35.94	74.00	-38.06 peak
3	3465.510	5.48	31.65	41.05	47.32	43.40	68.20	-24.80 peak
4	4469.214	6.73	33.55	41.85	47.92	46.35	68.20	-21.85 peak
5	10440.000	10.55	37.72	37.34	39.16	50.09	68.20	-18.11 peak
6	15660.000	14.02	40.80	40.44	39.44	53.82	74.00	-20.18 peak



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



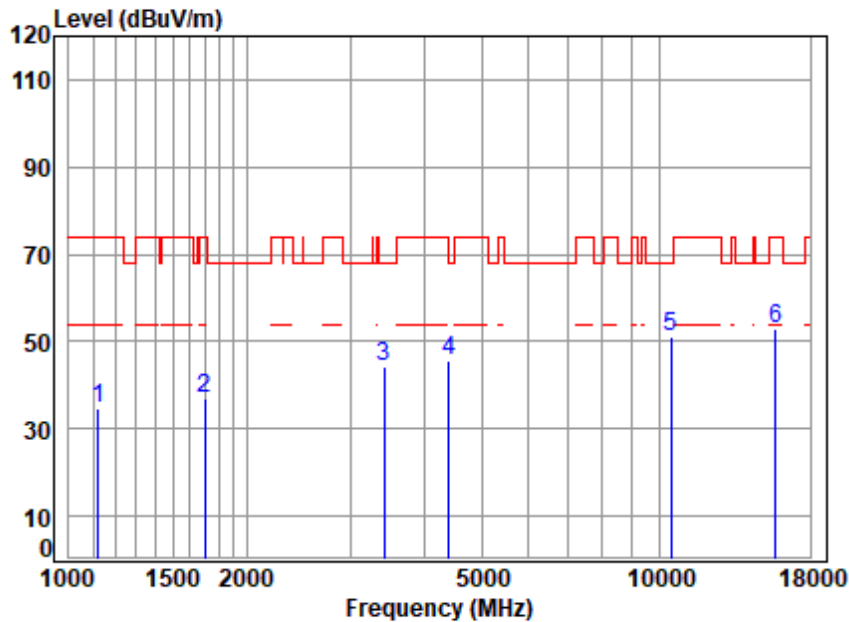
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5220 TX RSE  
 Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1203.199	2.77	24.60	39.76	45.39	33.00	74.00	-41.00 peak
2	1542.733	3.30	26.00	39.98	47.04	36.36	74.00	-37.64 peak
3	3366.778	5.35	31.50	40.98	47.29	43.16	68.20	-25.04 peak
4	4482.150	6.74	33.57	41.86	47.34	45.79	68.20	-22.41 peak
5	10440.000	10.55	37.72	37.34	38.60	49.53	68.20	-18.67 peak
6	15660.000	14.02	40.80	40.44	37.92	52.30	74.00	-21.70 peak



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



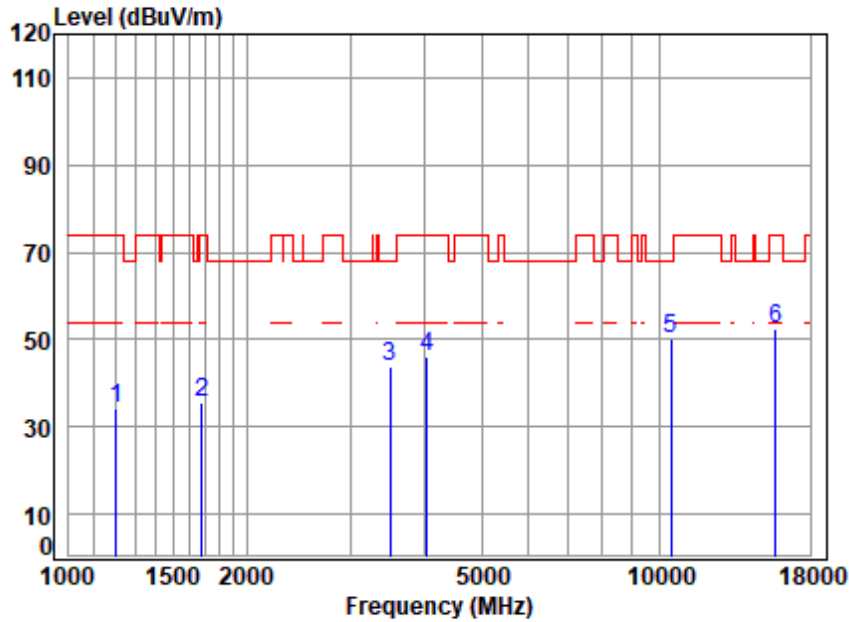
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5240 TX RSE  
 Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.563	2.62	24.23	39.70	47.33	34.48	74.00	-39.52 peak
2	1702.042	3.43	26.68	40.06	46.82	36.87	74.00	-37.13 peak
3	3415.787	5.42	31.57	41.02	48.11	44.08	68.20	-24.12 peak
4	4405.090	6.67	33.44	41.79	47.17	45.49	68.20	-22.71 peak
5	10480.000	10.54	37.71	37.36	40.09	50.98	68.20	-17.22 peak
6	15720.000	14.04	40.83	40.47	38.60	53.00	74.00	-21.00 peak



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



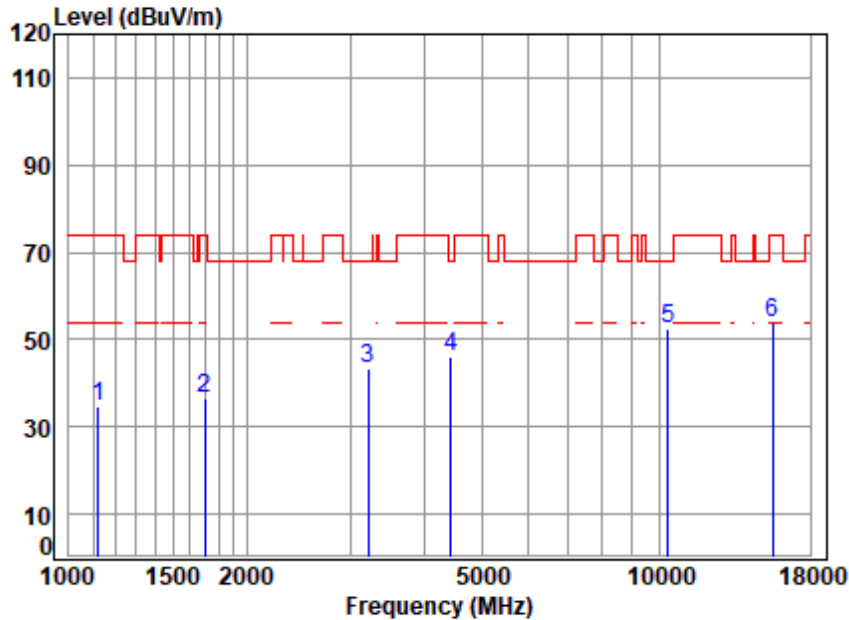
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5240 TX RSE  
 Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1203.199	2.77	24.60	39.76	46.74	34.35	74.00	-39.65 peak
2	1677.621	3.41	26.58	40.05	45.78	35.72	74.00	-38.28 peak
3	3495.691	5.51	31.69	41.07	47.71	43.84	68.20	-24.36 peak
4	4039.212	6.32	32.77	41.44	48.22	45.87	74.00	-28.13 peak
5	10480.000	10.54	37.71	37.36	39.30	50.19	68.20	-18.01 peak
6	15720.000	14.04	40.83	40.47	38.20	52.60	74.00	-21.40 peak



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

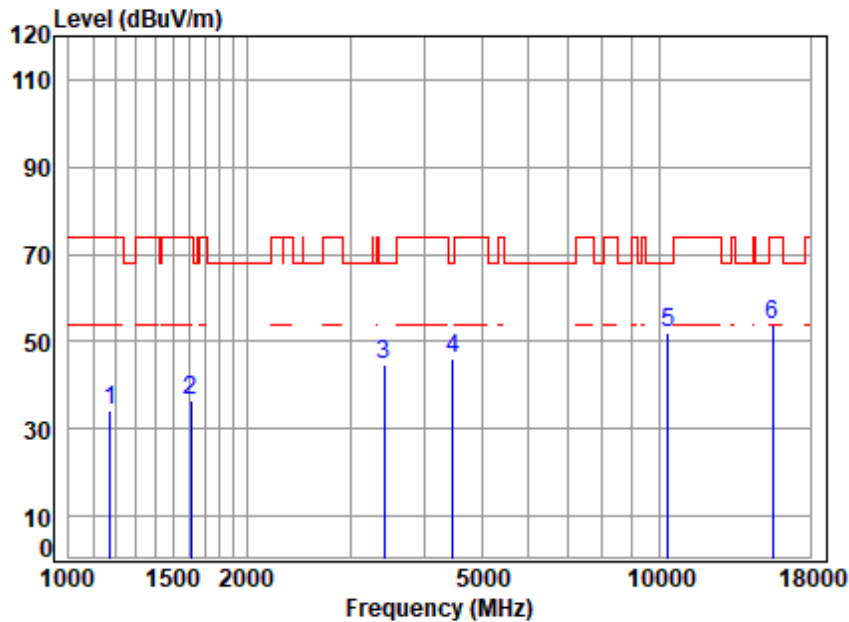


Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5180 TX RSE  
 Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.563	2.62	24.23	39.70	47.51	34.66	74.00	-39.34 peak
2	1697.129	3.43	26.66	40.06	46.36	36.39	74.00	-37.61 peak
3	3214.623	5.16	31.26	40.87	47.67	43.22	68.20	-24.98 peak
4	4430.628	6.70	33.48	41.81	47.54	45.91	68.20	-22.29 peak
5	10360.000	10.57	37.76	37.29	41.28	52.32	68.20	-15.88 peak
6	15540.000	13.97	40.72	40.38	39.55	53.86	74.00	-20.14 peak



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



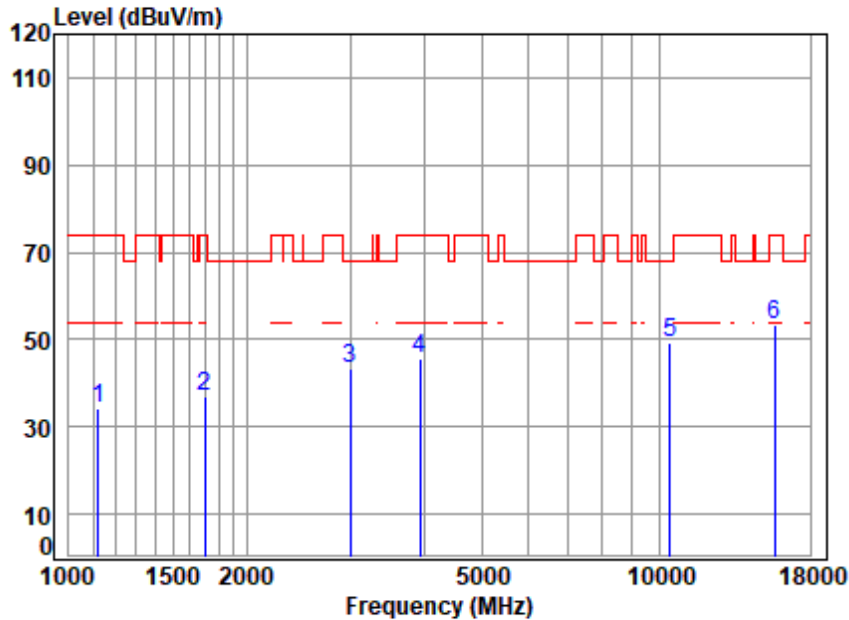
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5180 TX RSE  
 Note : 5G WIFI 11N20

	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	1175.697	2.72	24.48	39.74	46.70	34.16	74.00	-39.84	peak
2	1611.091	3.36	26.30	40.01	46.98	36.63	74.00	-37.37	peak
3	3415.787	5.42	31.57	41.02	48.55	44.52	68.20	-23.68	peak
4	4469.214	6.73	33.55	41.85	47.55	45.98	68.20	-22.22	peak
5	10360.000	10.57	37.76	37.29	40.83	51.87	68.20	-16.33	peak
6	15540.000	13.97	40.72	40.38	39.58	53.89	74.00	-20.11	peak



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

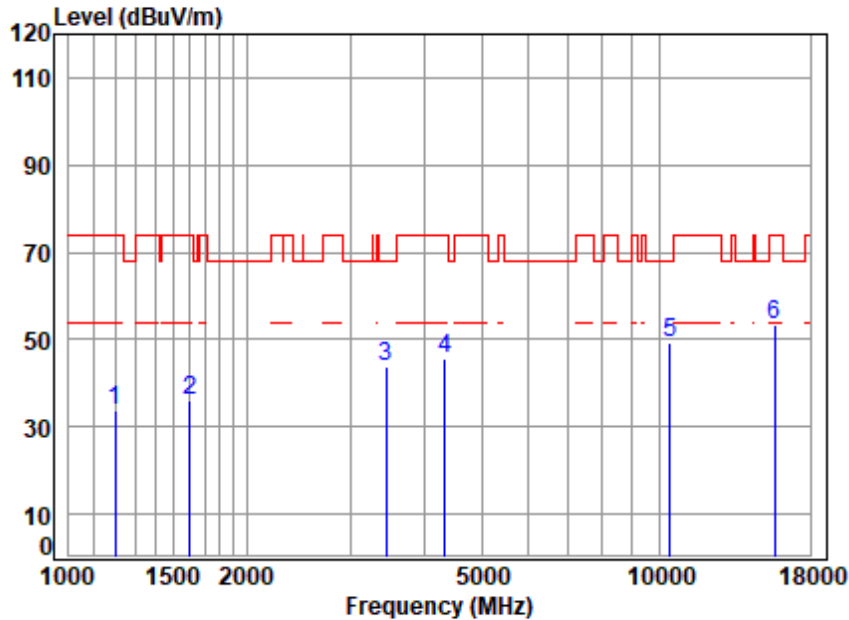


Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5220 TX RSE  
 Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.563	2.62	24.23	39.70	47.16	34.31	74.00	-39.69 peak
2	1697.129	3.43	26.66	40.06	46.71	36.74	74.00	-37.26 peak
3	2999.187	4.86	30.90	40.70	48.17	43.23	68.20	-24.97 peak
4	3935.493	6.19	32.58	41.36	48.02	45.43	74.00	-28.57 peak
5	10440.000	10.55	37.72	37.34	38.38	49.31	68.20	-18.89 peak
6	15660.000	14.02	40.80	40.44	39.00	53.38	74.00	-20.62 peak



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



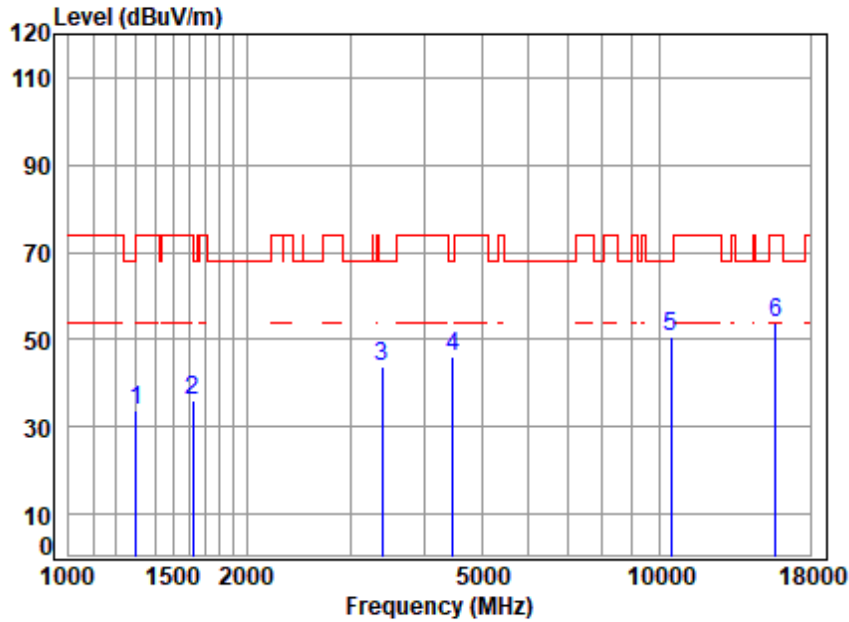
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5220 TX RSE  
 Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1196.264	2.76	24.57	39.76	46.03	33.60	74.00	-40.40 peak
2	1601.804	3.35	26.26	40.01	46.55	36.15	74.00	-37.85 peak
3	3445.535	5.45	31.62	41.04	47.61	43.64	68.20	-24.56 peak
4	4329.354	6.60	33.30	41.72	47.62	45.80	74.00	-28.20 peak
5	10440.000	10.55	37.72	37.34	38.38	49.31	68.20	-18.89 peak
6	15660.000	14.02	40.80	40.44	38.96	53.34	74.00	-20.66 peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5240 TX RSE  
 Note : 5G WIFI 11N20

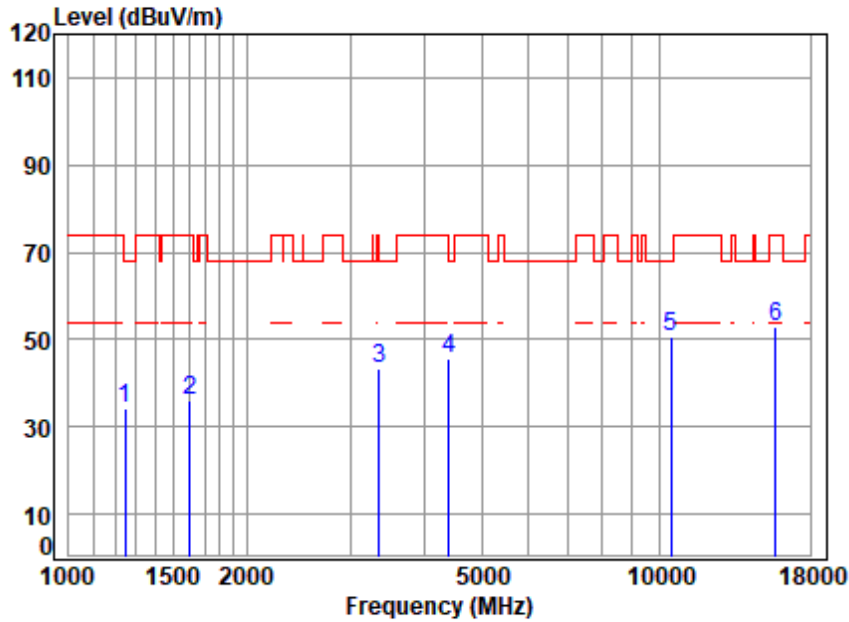
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1300.858	2.94	25.03	39.83	45.76	33.90	74.00	-40.10 peak
2	1620.431	3.36	26.34	40.02	46.49	36.17	74.00	-37.83 peak
3	3396.098	5.39	31.54	41.00	47.81	43.74	68.20	-24.46 peak
4	4469.214	6.73	33.55	41.85	47.84	46.27	68.20	-21.93 peak
5	10480.000	10.54	37.71	37.36	39.67	50.56	68.20	-17.64 peak
6	15720.000	14.04	40.83	40.47	39.41	53.81	74.00	-20.19 peak



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



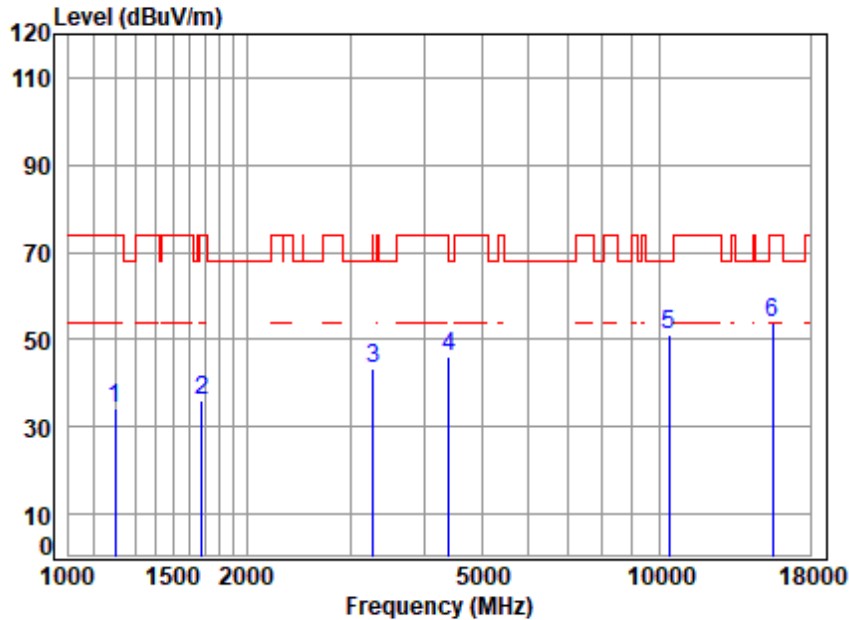
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5240 TX RSE  
 Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1245.663	2.85	24.79	39.79	46.22	34.07	68.20	-34.13 peak
2	1601.804	3.35	26.26	40.01	46.47	36.07	74.00	-37.93 peak
3	3357.061	5.34	31.48	40.97	47.43	43.28	74.00	-30.72 peak
4	4405.090	6.67	33.44	41.79	47.10	45.42	68.20	-22.78 peak
5	10480.000	10.54	37.71	37.36	39.77	50.66	68.20	-17.54 peak
6	15720.000	14.04	40.83	40.47	38.69	53.09	74.00	-20.91 peak



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



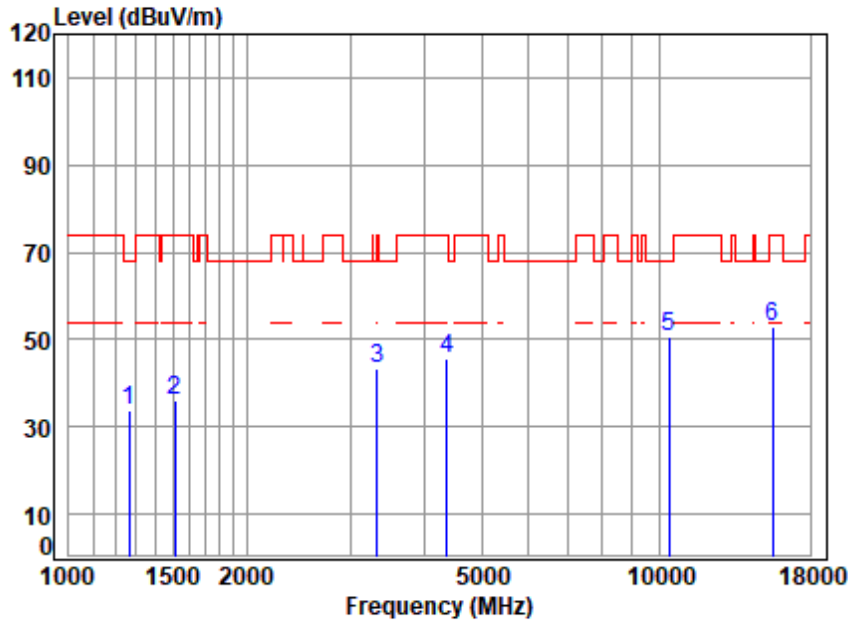
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5190 TX RSE  
 Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1199.726	2.76	24.59	39.76	46.70	34.29	74.00	-39.71 peak
2	1682.477	3.42	26.60	40.05	46.17	36.14	74.00	-37.86 peak
3	3270.858	5.23	31.35	40.91	47.73	43.40	68.20	-24.80 peak
4	4405.090	6.67	33.44	41.79	47.91	46.23	68.20	-21.97 peak
5	10380.000	10.57	37.75	37.30	40.27	51.29	68.20	-16.91 peak
6	15570.000	13.98	40.74	40.40	39.36	53.68	74.00	-20.32 peak



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



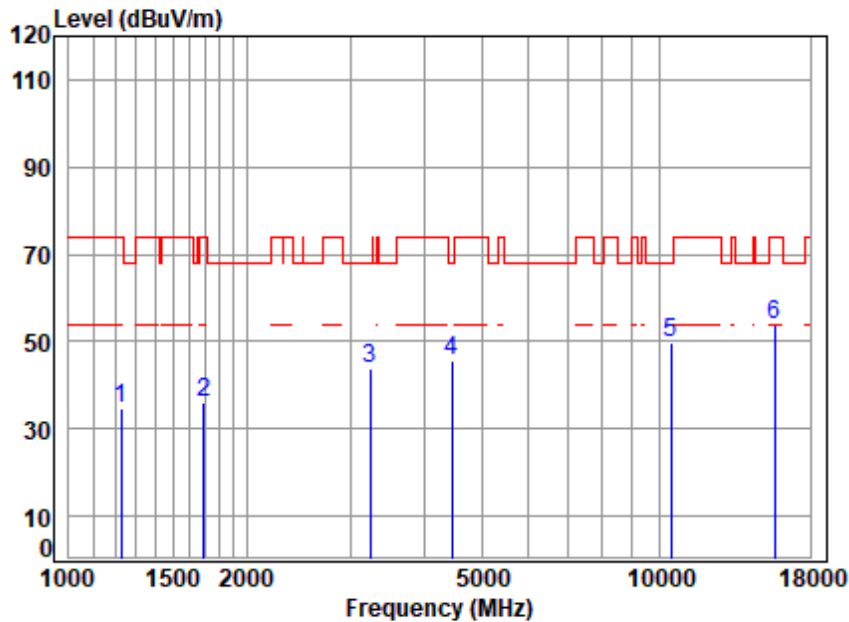
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5190 TX RSE  
 Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1267.454	2.89	24.89	39.81	45.72	33.69	68.20	-34.51	peak
2	1511.833	3.27	25.85	39.96	47.08	36.24	74.00	-37.76	peak
3	3328.077	5.30	31.44	40.95	47.51	43.30	68.20	-24.90	peak
4	4367.058	6.64	33.37	41.75	47.52	45.78	74.00	-28.22	peak
5	10388.000	10.57	37.75	37.30	39.66	50.68	68.20	-17.52	peak
6	15570.000	13.98	40.74	40.40	38.59	52.91	74.00	-21.09	peak



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



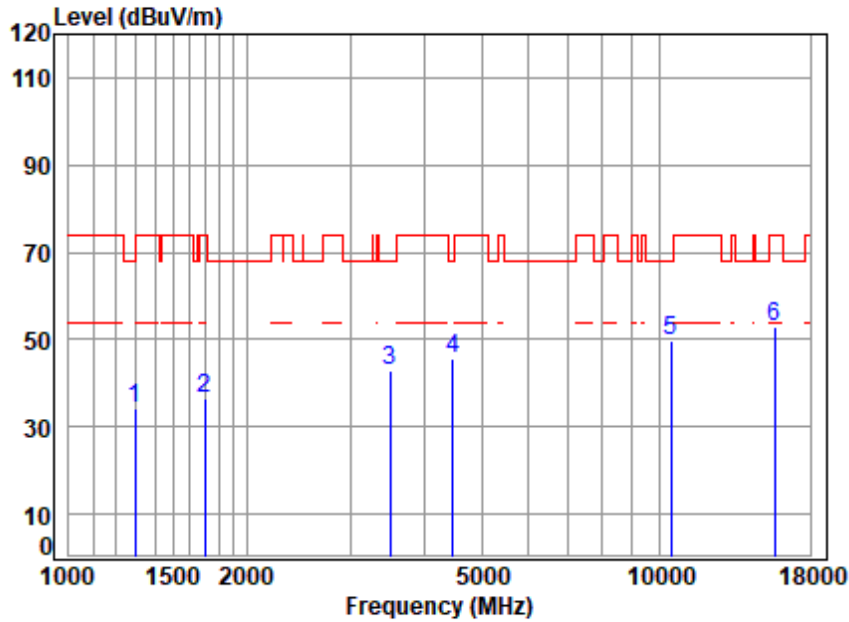
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5230 TX RSE  
 Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1227.791	2.82	24.71	39.78	47.04	34.79	74.00	-39.21 peak
2	1692.231	3.42	26.64	40.06	46.20	36.20	74.00	-37.80 peak
3	3233.260	5.18	31.29	40.88	48.09	43.68	68.20	-24.52 peak
4	4456.315	6.72	33.53	41.84	47.29	45.70	68.20	-22.50 peak
5	10460.000	10.54	37.72	37.35	39.02	49.93	68.20	-18.27 peak
6	15690.000	14.03	40.82	40.45	39.38	53.78	74.00	-20.22 peak



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



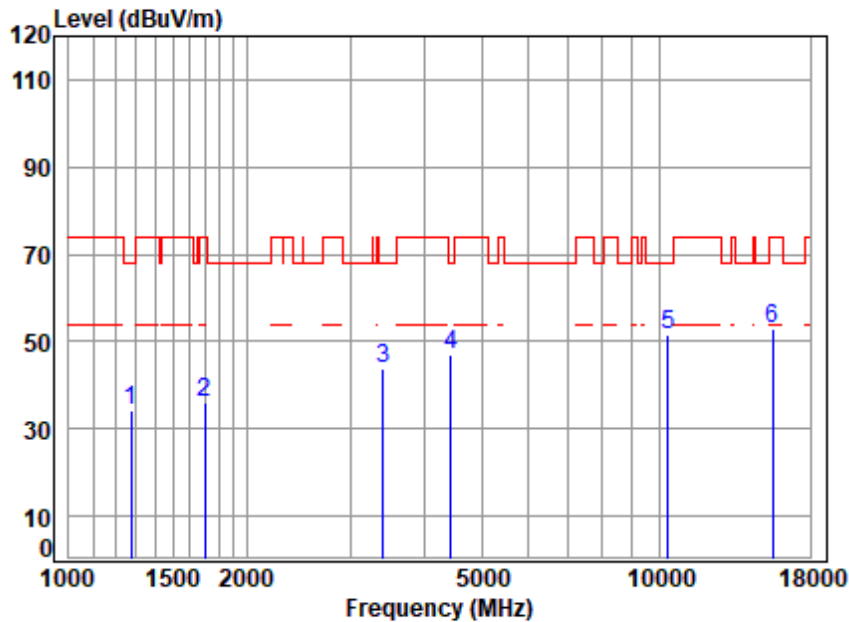
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5230 TX RSE  
 Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1293.359	2.93	25.00	39.82	46.27	34.38	68.20	-33.82 peak
2	1702.042	3.43	26.68	40.06	46.45	36.50	74.00	-37.50 peak
3	3495.691	5.51	31.69	41.07	46.83	42.96	68.20	-25.24 peak
4	4469.214	6.73	33.55	41.85	47.18	45.61	68.20	-22.59 peak
5	10460.000	10.54	37.72	37.35	39.03	49.94	68.20	-18.26 peak
6	15690.000	14.03	40.82	40.45	38.46	52.86	74.00	-21.14 peak



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



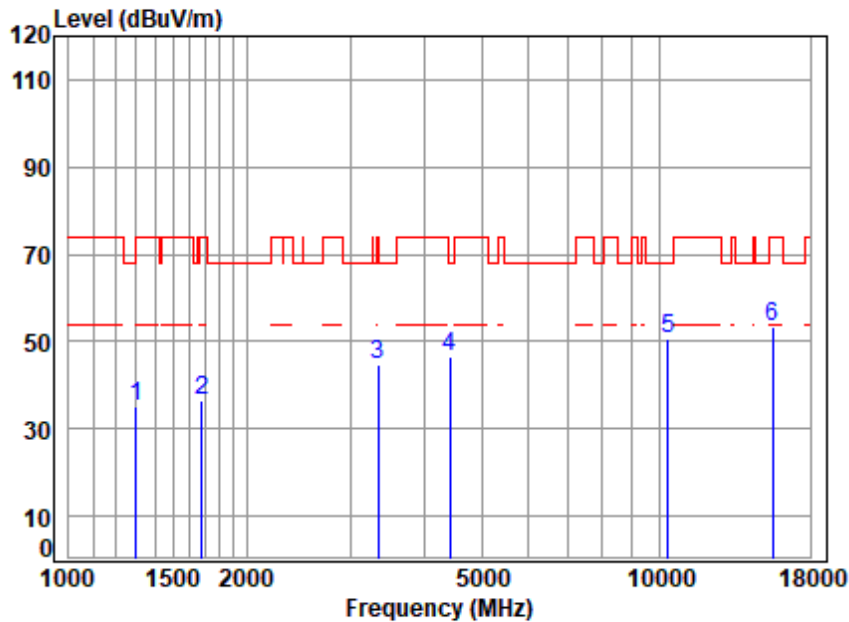
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5180 TX RSE  
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1274.802	2.90	24.92	39.81	46.04	34.05	68.20	-34.15 peak
2	1702.042	3.43	26.68	40.06	45.99	36.04	74.00	-37.96 peak
3	3405.929	5.40	31.56	41.01	48.00	43.95	68.20	-24.25 peak
4	4430.628	6.70	33.48	41.81	48.49	46.86	68.20	-21.34 peak
5	10360.000	10.57	37.76	37.29	40.54	51.58	68.20	-16.62 peak
6	15540.000	13.97	40.72	40.38	38.68	52.99	74.00	-21.01 peak



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



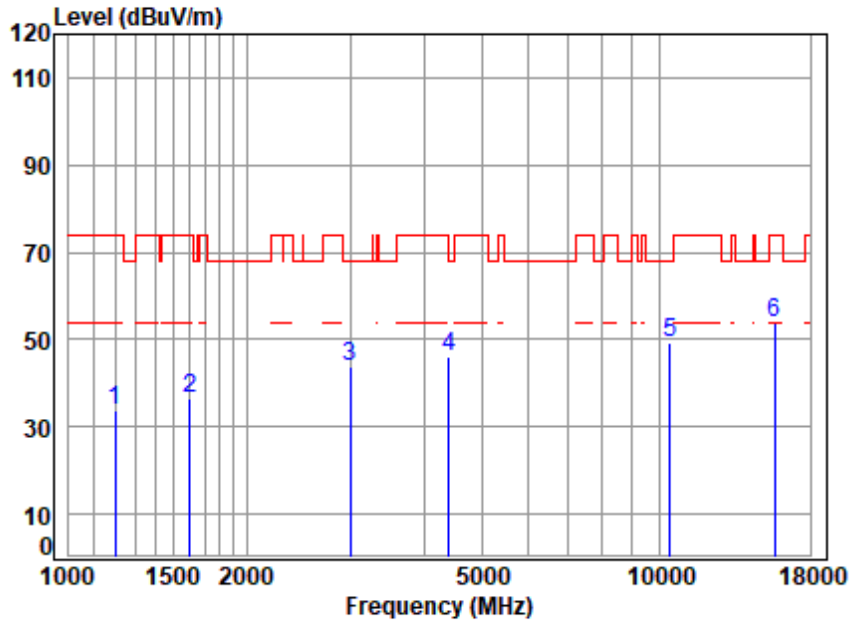
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5180 TX RSE  
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1300.858	2.94	25.03	39.83	46.99	35.13	74.00	-38.87 peak
2	1677.621	3.41	26.58	40.05	46.75	36.69	74.00	-37.31 peak
3	3337.710	5.32	31.45	40.96	48.93	44.74	74.00	-29.26 peak
4	4417.841	6.68	33.46	41.80	48.00	46.34	68.20	-21.86 peak
5	10360.000	10.57	37.76	37.29	39.78	50.82	68.20	-17.38 peak
6	15540.000	13.97	40.72	40.38	39.14	53.45	74.00	-20.55 peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5220 TX RSE  
 Note : 5G WIFI 11AC20

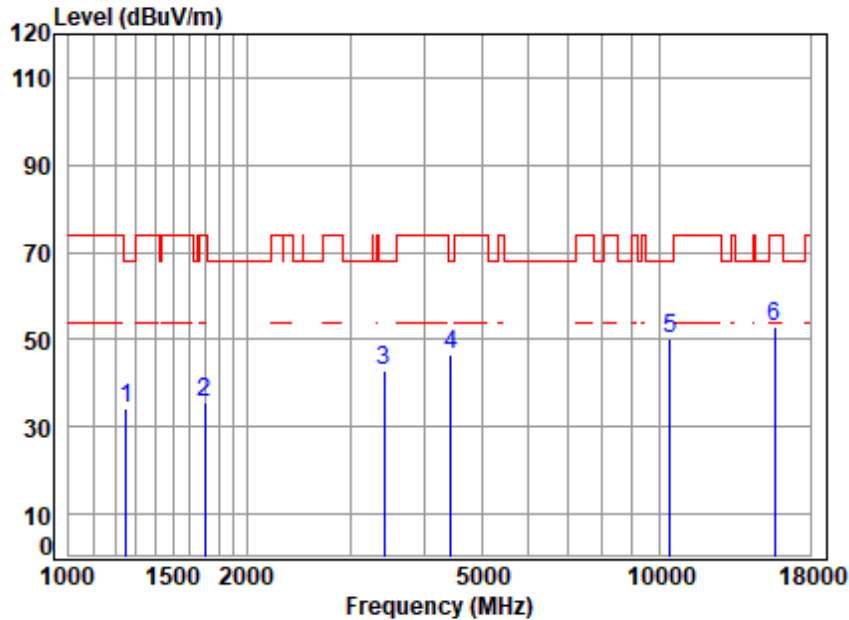
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1199.726	2.76	24.59	39.76	46.22	33.81	74.00	-40.19 peak
2	1601.804	3.35	26.26	40.01	46.76	36.36	74.00	-37.64 peak
3	2999.187	4.86	30.90	40.70	48.60	43.66	68.20	-24.54 peak
4	4405.090	6.67	33.44	41.79	47.82	46.14	68.20	-22.06 peak
5	10440.000	10.55	37.72	37.34	38.49	49.42	68.20	-18.78 peak
6	15660.000	14.02	40.80	40.44	39.37	53.75	74.00	-20.25 peak



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



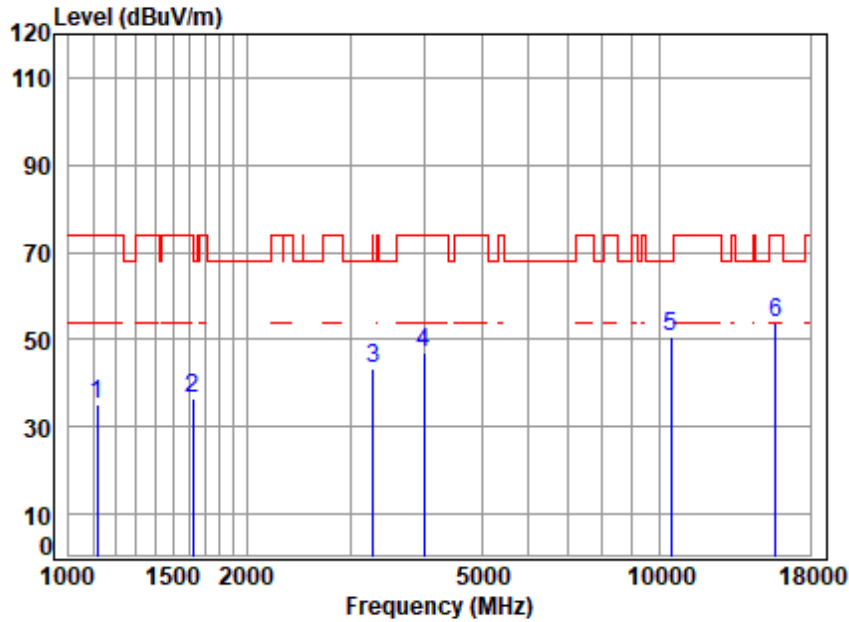
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5220 TX RSE  
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1252.885	2.86	24.82	39.80	46.32	34.20	68.20	-34.00 peak
2	1697.129	3.43	26.66	40.06	45.75	35.78	74.00	-38.22 peak
3	3415.787	5.42	31.57	41.02	47.04	43.01	68.20	-25.19 peak
4	4443.453	6.71	33.50	41.82	48.14	46.53	68.20	-21.67 peak
5	10440.000	10.55	37.72	37.34	39.19	50.12	68.20	-18.08 peak
6	15660.000	14.02	40.80	40.44	38.65	53.03	74.00	-20.97 peak



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



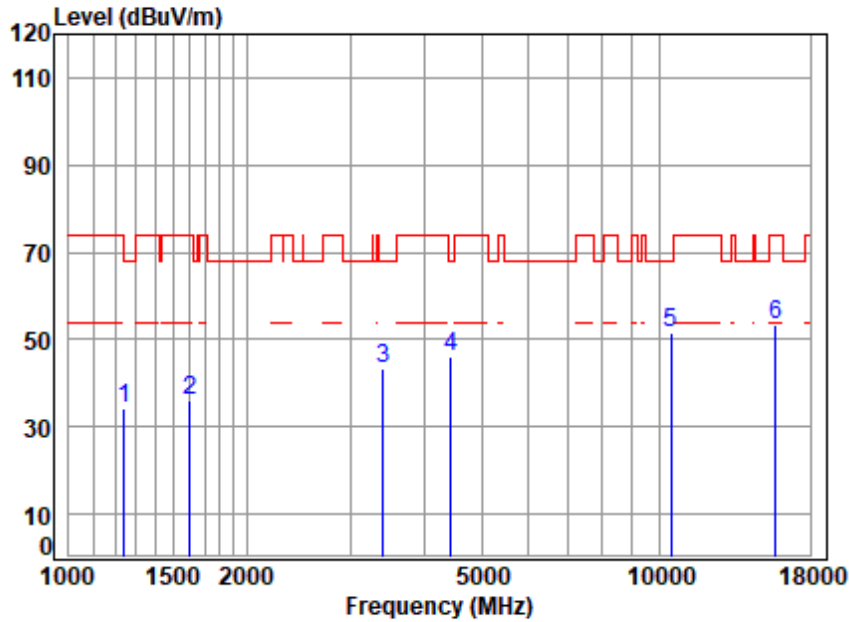
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5240 TX RSE  
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1119.323	2.61	24.21	39.70	47.90	35.02	74.00	-38.98 peak
2	1620.431	3.36	26.34	40.02	46.85	36.53	74.00	-37.47 peak
3	3280.326	5.24	31.36	40.92	47.60	43.28	68.20	-24.92 peak
4	3992.781	6.27	32.69	41.40	49.41	46.97	74.00	-27.03 peak
5	10480.000	10.54	37.71	37.36	39.72	50.61	68.20	-17.59 peak
6	15720.000	14.04	40.83	40.47	39.47	53.87	74.00	-20.13 peak



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



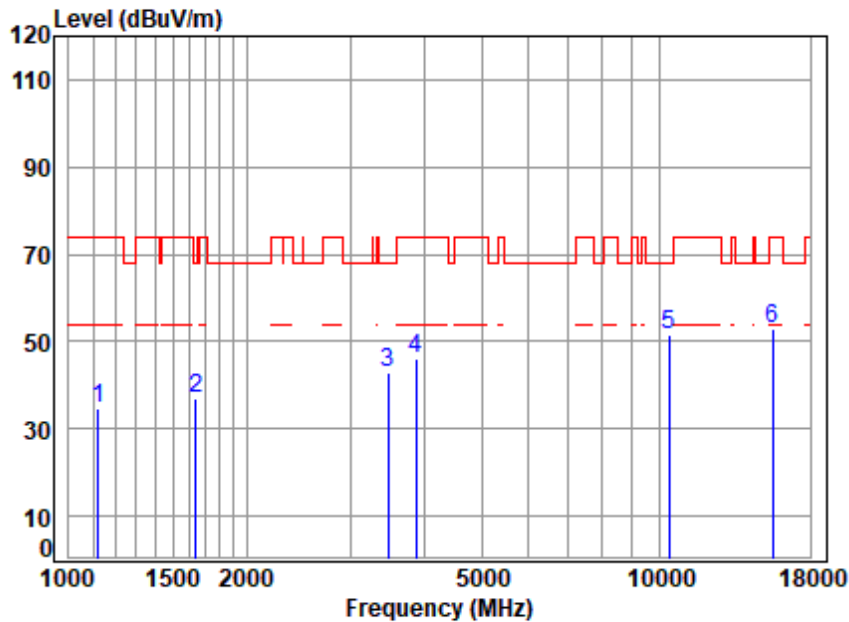
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5240 TX RSE  
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1242.068	2.84	24.78	39.79	46.34	34.17	68.20	-34.03	peak
2	1601.804	3.35	26.26	40.01	46.50	36.10	74.00	-37.90	peak
3	3405.929	5.40	31.56	41.01	47.21	43.16	68.20	-25.04	peak
4	4443.453	6.71	33.50	41.82	47.62	46.01	68.20	-22.19	peak
5	10480.000	10.54	37.71	37.36	40.67	51.56	68.20	-16.64	peak
6	15720.000	14.04	40.83	40.47	39.01	53.41	74.00	-20.59	peak



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



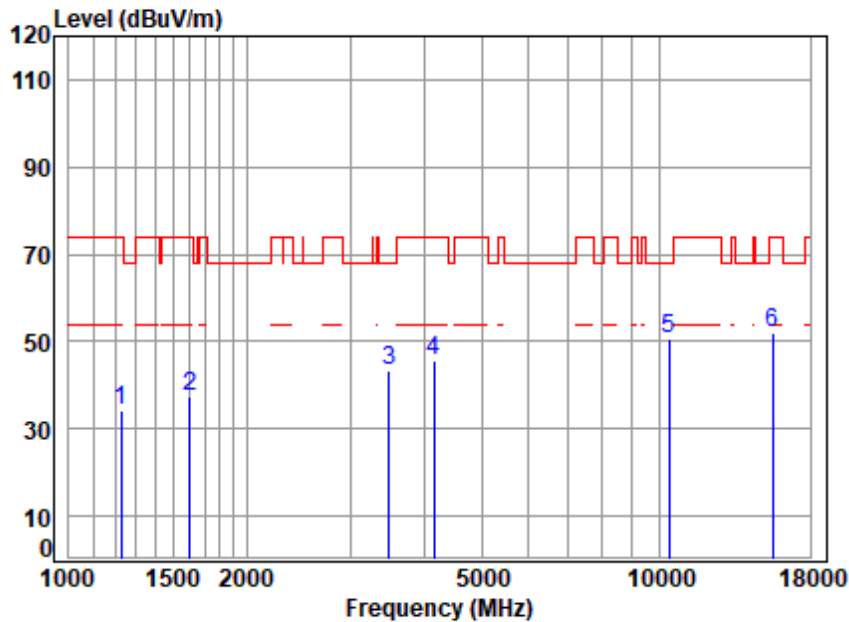
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5190 TX RSE  
 Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.563	2.62	24.23	39.70	47.37	34.52	74.00	-39.48 peak
2	1644.019	3.38	26.44	40.03	47.26	37.05	68.20	-31.15 peak
3	3475.541	5.49	31.66	41.06	46.65	42.74	68.20	-25.46 peak
4	3879.027	6.11	32.47	41.33	48.87	46.12	74.00	-27.88 peak
5	10380.000	10.57	37.75	37.30	40.59	51.61	68.20	-16.59 peak
6	15570.000	13.98	40.74	40.40	38.57	52.89	74.00	-21.11 peak



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



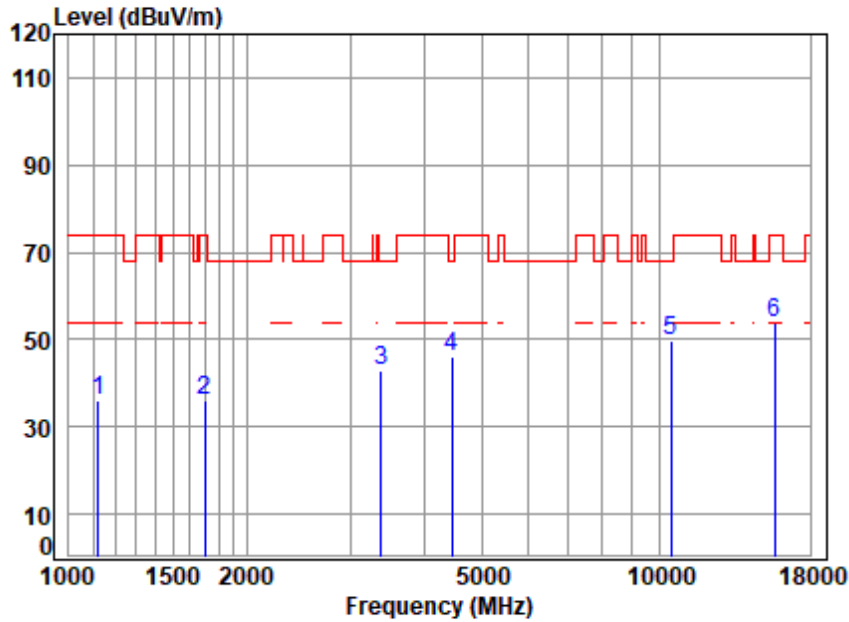
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5190 TX RSE  
 Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1227.791	2.82	24.71	39.78	46.41	34.16	74.00	-39.84 peak
2	1606.441	3.35	26.28	40.01	47.76	37.38	74.00	-36.62 peak
3	3485.601	5.50	31.68	41.07	47.28	43.39	68.20	-24.81 peak
4	4145.664	6.43	32.97	41.54	47.66	45.52	74.00	-28.48 peak
5	10380.000	10.57	37.75	37.30	39.55	50.57	68.20	-17.63 peak
6	15570.000	13.98	40.74	40.40	37.83	52.15	74.00	-21.85 peak



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



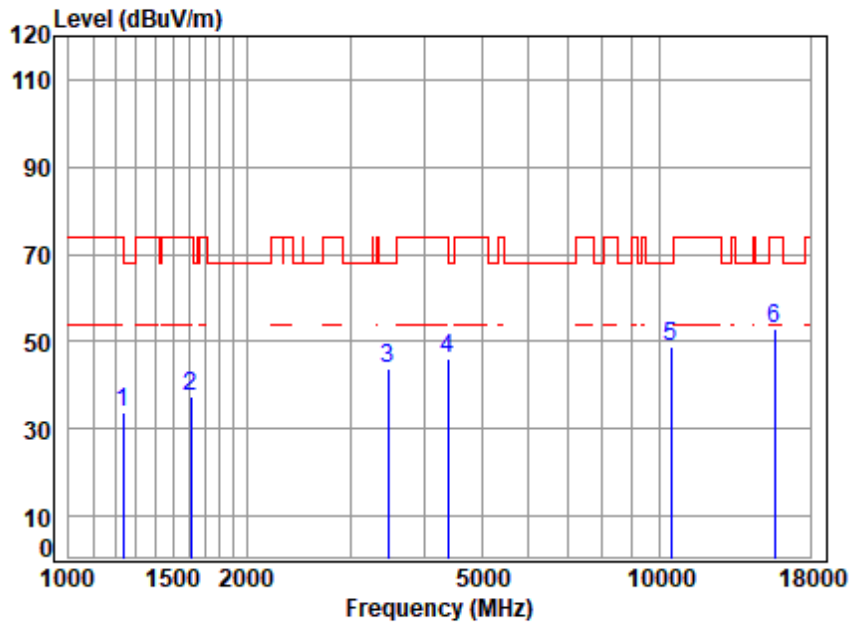
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5230 TX RSE  
 Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.563	2.62	24.23	39.70	48.92	36.07	74.00	-37.93 peak
2	1697.129	3.43	26.66	40.06	46.03	36.06	74.00	-37.94 peak
3	3376.523	5.37	31.51	40.99	46.82	42.71	68.20	-25.49 peak
4	4456.315	6.72	33.53	41.84	47.78	46.19	68.20	-22.01 peak
5	10460.000	10.54	37.72	37.35	39.04	49.95	68.20	-18.25 peak
6	15690.000	14.03	40.82	40.45	39.42	53.82	74.00	-20.18 peak



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



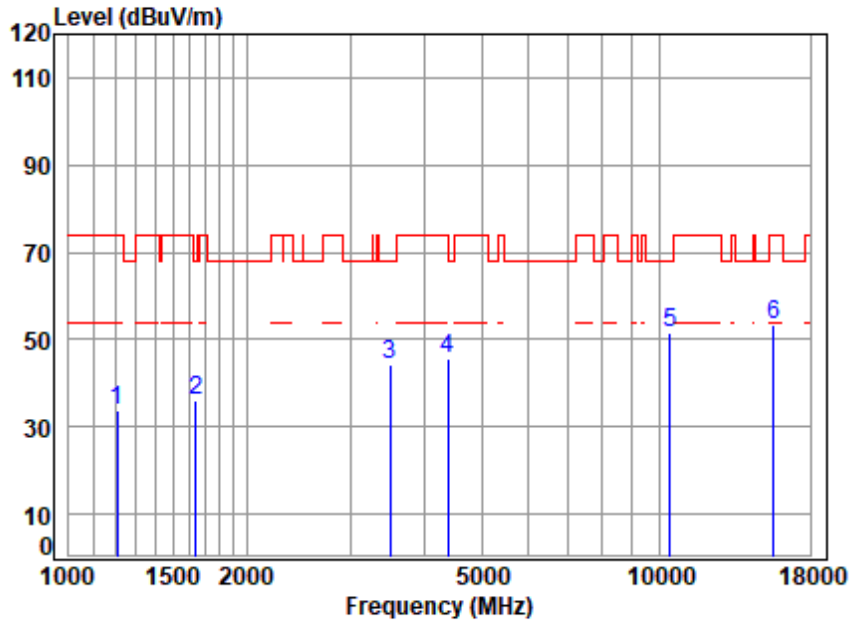
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5230 TX RSE  
 Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1234.909	2.83	24.74	39.78	46.12	33.91	74.00	-40.09	peak
2	1611.091	3.36	26.30	40.01	47.97	37.62	74.00	-36.38	peak
3	3475.541	5.49	31.66	41.06	47.74	43.83	68.20	-24.37	peak
4	4392.376	6.66	33.42	41.78	47.61	45.91	74.00	-28.09	peak
5	10460.000	10.54	37.72	37.35	37.88	48.79	68.20	-19.41	peak
6	15690.000	14.03	40.82	40.45	38.65	53.05	74.00	-20.95	peak



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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5210 TX RSE  
 Note : 5G WIFI 11AC80

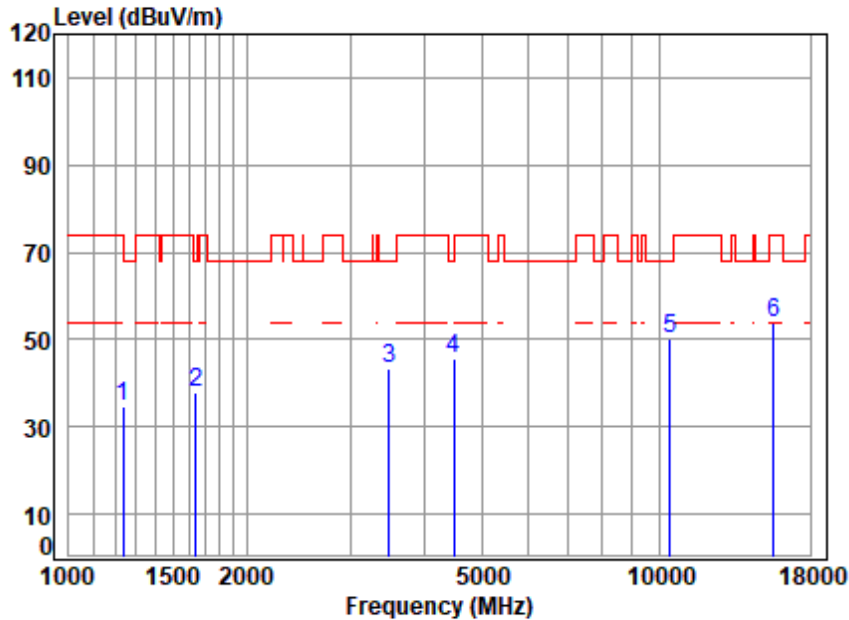
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1206.682	2.78	24.62	39.76	46.35	33.99	74.00	-40.01 peak
2	1644.019	3.38	26.44	40.03	46.05	35.84	68.20	-32.36 peak
3	3495.691	5.51	31.69	41.07	48.20	44.33	68.20	-23.87 peak
4	4392.376	6.66	33.42	41.78	47.21	45.51	74.00	-28.49 peak
5	10420.000	10.56	37.73	37.33	40.38	51.34	68.20	-16.86 peak
6	15630.000	14.01	40.78	40.42	38.83	53.20	74.00	-20.80 peak



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



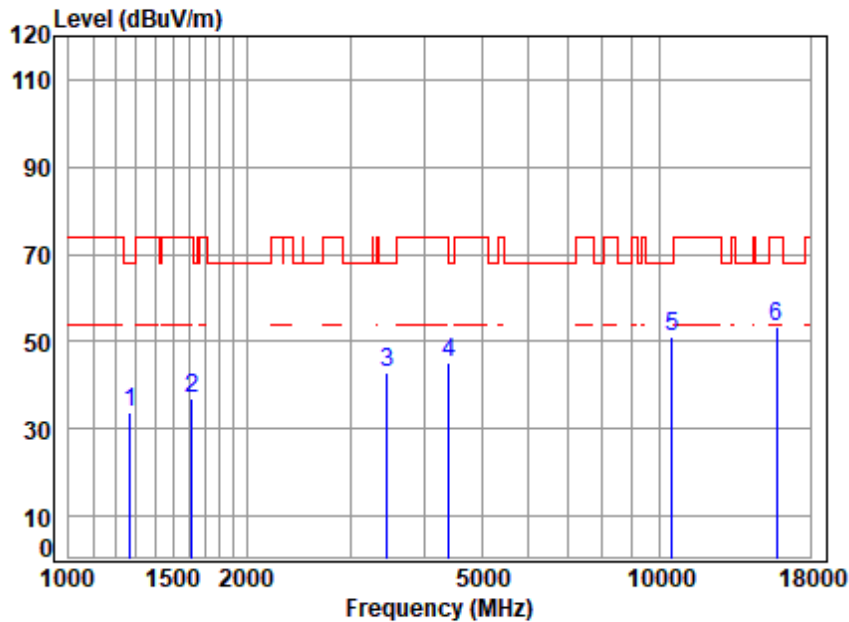
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5210 TX RSE  
 Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1238.483	2.83	24.76	39.79	46.68	34.48	74.00	-39.52 peak
2	1644.019	3.38	26.44	40.03	48.21	38.00	68.20	-30.20 peak
3	3485.601	5.50	31.68	41.07	47.19	43.30	68.20	-24.90 peak
4	4482.150	6.74	33.57	41.86	47.16	45.61	68.20	-22.59 peak
5	10420.000	10.56	37.73	37.33	39.40	50.36	68.20	-17.84 peak
6	15630.000	14.01	40.78	40.42	39.27	53.64	74.00	-20.36 peak



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

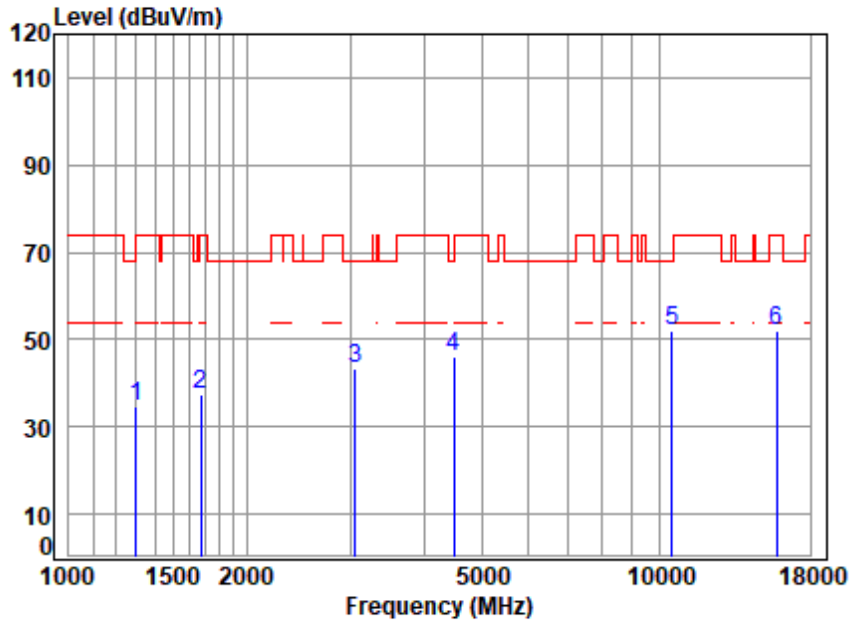


Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5260 TX RSE  
 Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1271.123	2.89	24.90	39.81	45.90	33.88	68.20	-34.32 peak
2	1615.754	3.36	26.32	40.02	47.15	36.81	74.00	-37.19 peak
3	3465.510	5.48	31.65	41.05	47.04	43.12	68.20	-25.08 peak
4	4405.090	6.67	33.44	41.79	47.05	45.37	68.20	-22.83 peak
5	10520.000	10.55	37.70	37.38	40.11	50.98	68.20	-17.22 peak
6	15780.000	14.07	40.87	40.50	38.99	53.43	74.00	-20.57 peak



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



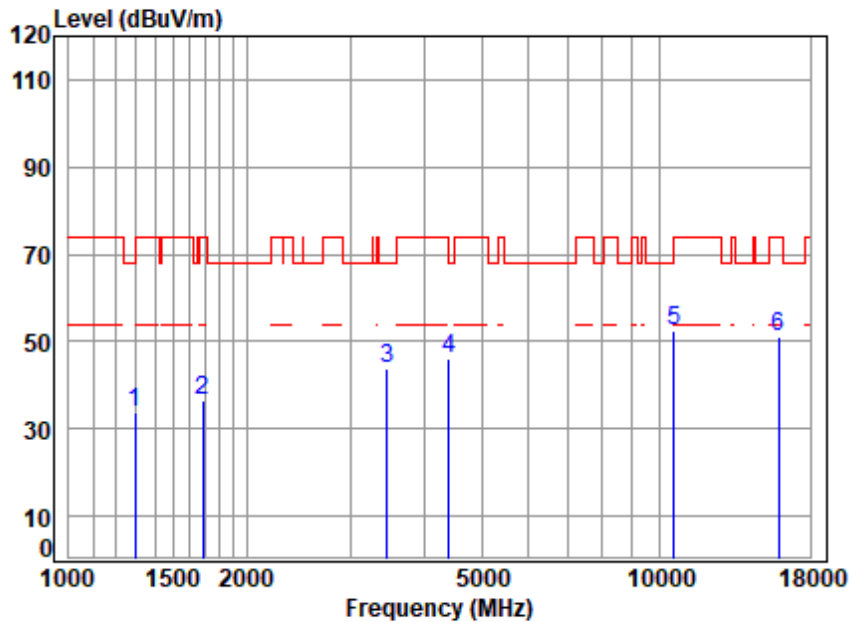
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5260 TX RSE  
 Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1300.858	2.94	25.03	39.83	46.63	34.77	74.00	-39.23 peak
2	1672.779	3.41	26.56	40.05	47.31	37.23	74.00	-36.77 peak
3	3060.486	4.95	31.00	40.75	48.22	43.42	68.20	-24.78 peak
4	4495.125	6.76	33.59	41.87	47.48	45.96	68.20	-22.24 peak
5	10520.000	10.55	37.70	37.38	41.29	52.16	68.20	-16.04 peak
6	15780.000	14.07	40.87	40.50	37.63	52.07	74.00	-21.93 peak



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



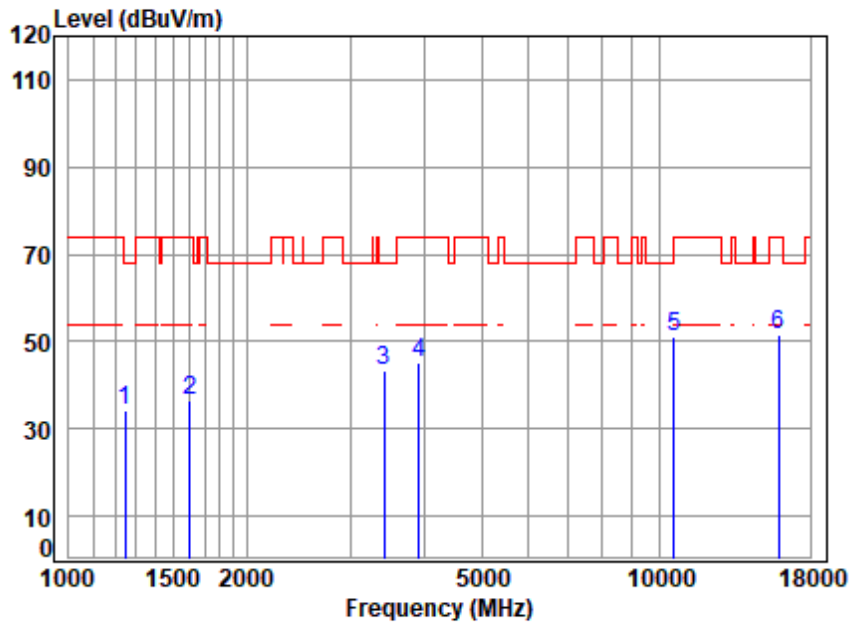
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5300 TX RSE  
 Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1297.103	2.94	25.01	39.83	45.85	33.97	68.20	-34.23 peak
2	1687.347	3.42	26.62	40.05	46.74	36.73	74.00	-37.27 peak
3	3455.508	5.47	31.63	41.04	47.54	43.60	68.20	-24.60 peak
4	4405.090	6.67	33.44	41.79	47.66	45.98	68.20	-22.22 peak
5	10600.000	10.62	37.72	37.42	41.39	52.31	68.20	-15.89 peak
6	15900.000	14.12	40.94	40.55	36.43	50.94	74.00	-23.06 peak



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



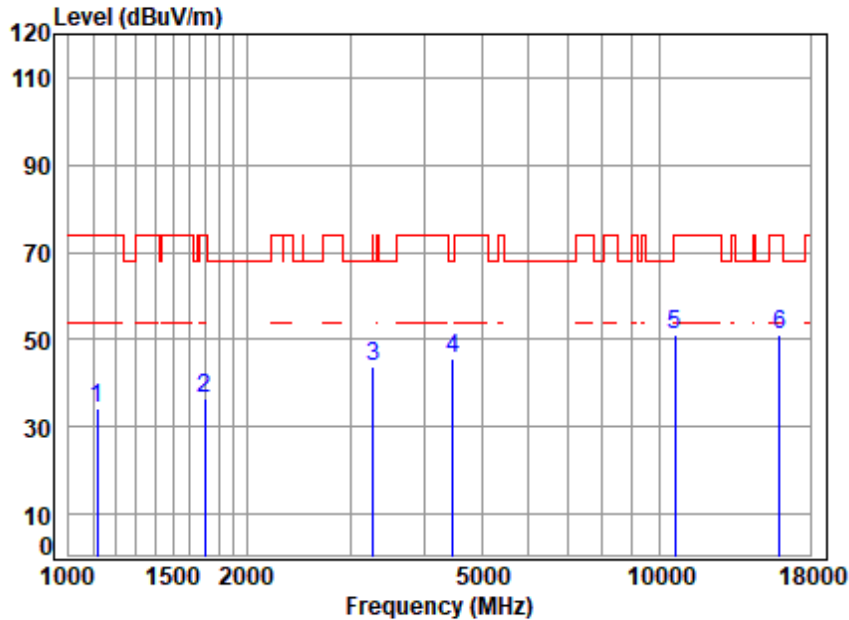
Site : chamber  
Condition: 3m VERTICAL  
Job No : 02038CR  
Mode : 5300 TX RSE  
Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1245.663	2.85	24.79	39.79	46.57	34.42	68.20	-33.78 peak
2	1601.804	3.35	26.26	40.01	47.11	36.71	74.00	-37.29 peak
3	3425.675	5.43	31.59	41.02	47.24	43.24	68.20	-24.96 peak
4	3912.809	6.15	32.53	41.35	47.79	45.12	74.00	-28.88 peak
5	10600.000	10.62	37.72	37.42	40.09	51.01	68.20	-17.19 peak
6	15900.000	14.12	40.94	40.55	37.09	51.60	74.00	-22.40 peak



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



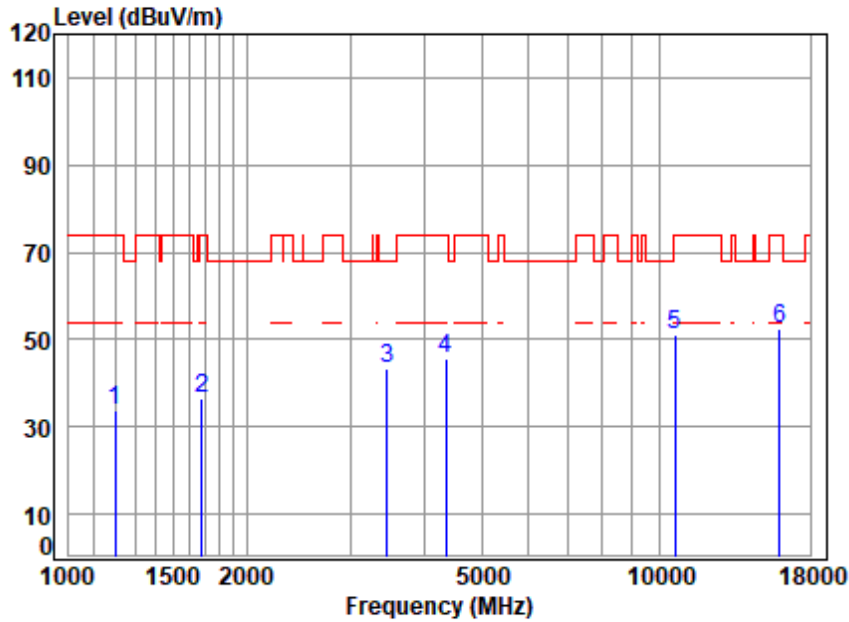
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5320 TX RSE  
 Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1119.323	2.61	24.21	39.70	46.88	34.00	74.00	-40.00 peak
2	1702.042	3.43	26.68	40.06	46.64	36.69	74.00	-37.31 peak
3	3280.326	5.24	31.36	40.92	48.18	43.86	68.20	-24.34 peak
4	4469.214	6.73	33.55	41.85	47.27	45.70	68.20	-22.50 peak
5	10640.000	10.66	37.73	37.44	40.07	51.02	74.00	-22.98 peak
6	15960.000	14.14	40.98	40.58	36.70	51.24	74.00	-22.76 peak



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



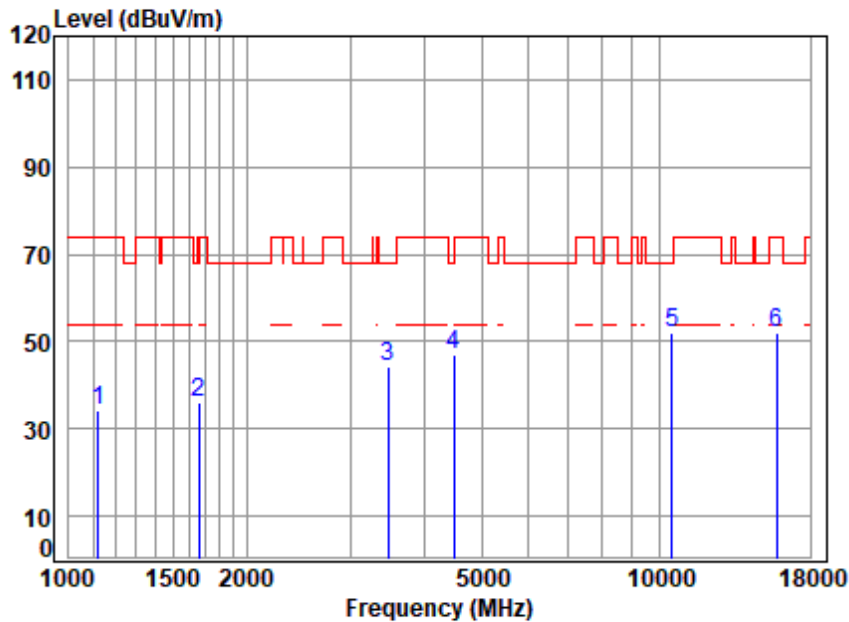
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5320 TX RSE  
 Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1199.726	2.76	24.59	39.76	45.96	33.55	74.00	-40.45 peak
2	1677.621	3.41	26.58	40.05	46.36	36.30	74.00	-37.70 peak
3	3465.510	5.48	31.65	41.05	47.29	43.37	68.20	-24.83 peak
4	4354.454	6.63	33.35	41.74	47.35	45.59	74.00	-28.41 peak
5	10640.000	10.66	37.73	37.44	40.28	51.23	74.00	-22.77 peak
6	15960.000	14.14	40.98	40.58	37.84	52.38	74.00	-21.62 peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5260 TX RSE  
 Note : 5G WIFI 11N20

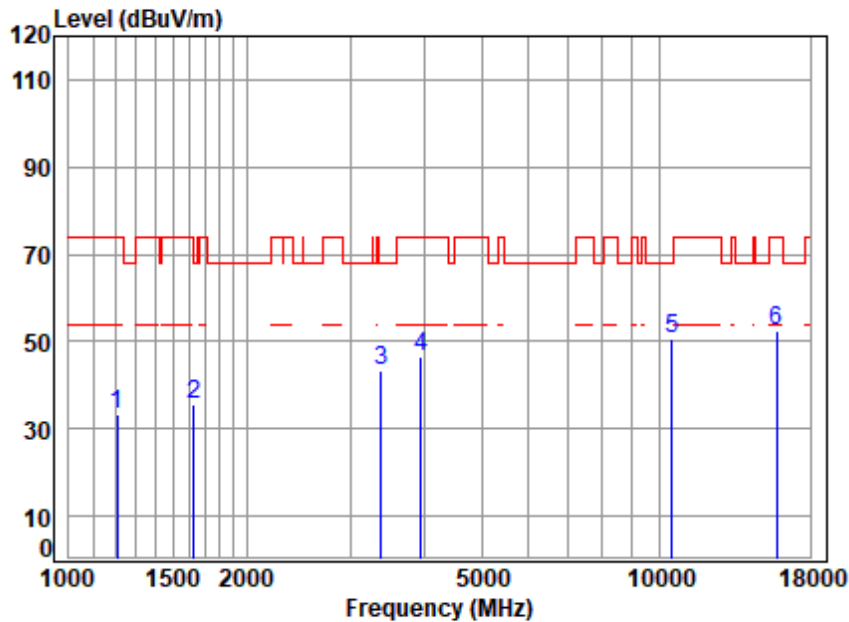
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.563	2.62	24.23	39.70	47.20	34.35	74.00	-39.65 peak
2	1663.137	3.40	26.52	40.04	46.08	35.96	74.00	-38.04 peak
3	3475.541	5.49	31.66	41.06	47.97	44.06	68.20	-24.14 peak
4	4482.150	6.74	33.57	41.86	48.37	46.82	68.20	-21.38 peak
5	10520.000	10.55	37.70	37.38	40.99	51.86	68.20	-16.34 peak
6	15780.000	14.07	40.87	40.50	37.67	52.11	74.00	-21.89 peak



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



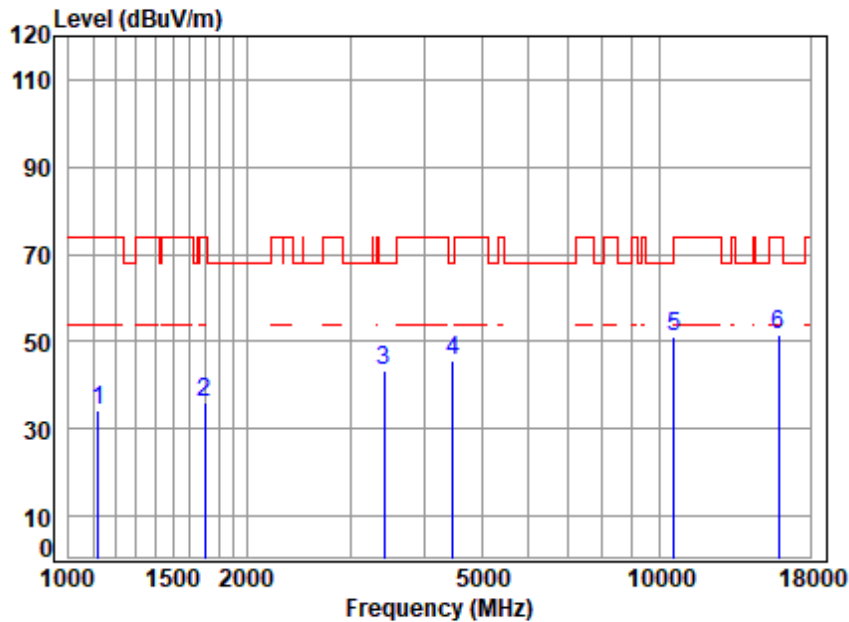
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5260 TX RSE  
 Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1206.682	2.78	24.62	39.76	45.64	33.28	74.00	-40.72 peak
2	1629.825	3.37	26.38	40.02	45.83	35.56	68.20	-32.64 peak
3	3376.523	5.37	31.51	40.99	47.33	43.22	68.20	-24.98 peak
4	3946.885	6.20	32.60	41.37	48.97	46.40	74.00	-27.60 peak
5	10520.000	10.55	37.70	37.38	39.99	50.86	68.20	-17.34 peak
6	15780.000	14.07	40.87	40.50	38.03	52.47	74.00	-21.53 peak



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



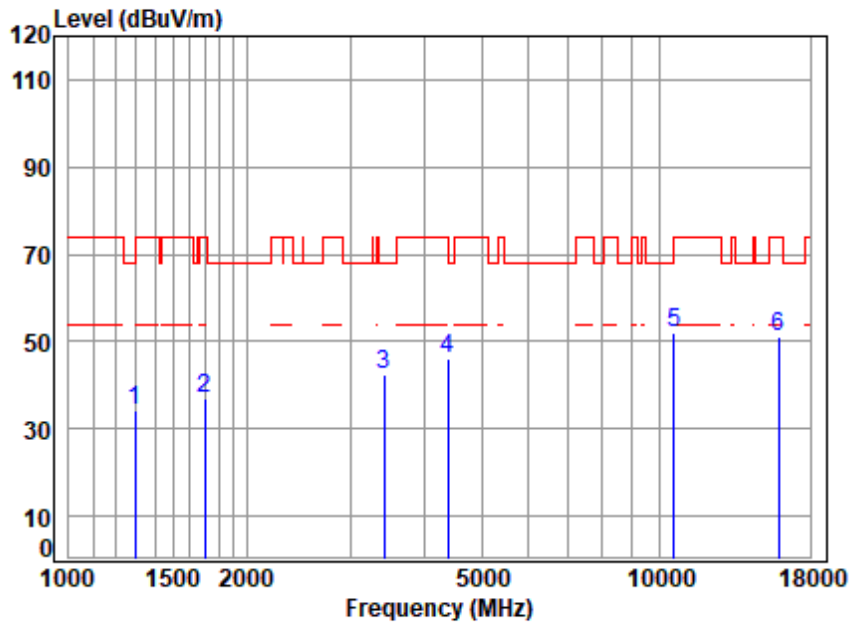
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5300 TX RSE  
 Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.563	2.62	24.23	39.70	47.17	34.32	74.00	-39.68 peak
2	1702.042	3.43	26.68	40.06	46.01	36.06	74.00	-37.94 peak
3	3415.787	5.42	31.57	41.02	47.43	43.40	68.20	-24.80 peak
4	4469.214	6.73	33.55	41.85	47.21	45.64	68.20	-22.56 peak
5	10600.000	10.62	37.72	37.42	40.40	51.32	68.20	-16.88 peak
6	15900.000	14.12	40.94	40.55	36.96	51.47	74.00	-22.53 peak



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



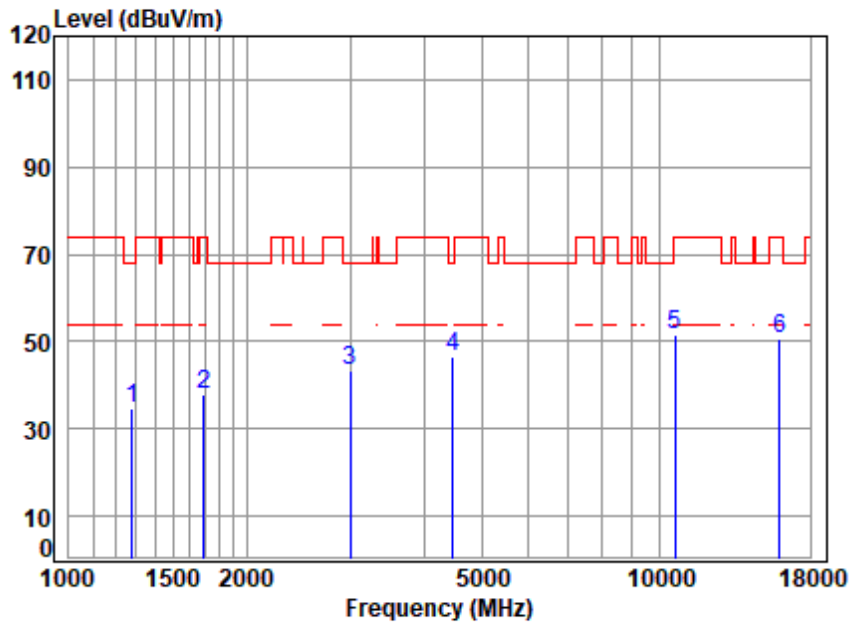
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5300 TX RSE  
 Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1297.103	2.94	25.01	39.83	45.96	34.08	68.20	-34.12 peak
2	1697.129	3.43	26.66	40.06	46.83	36.86	74.00	-37.14 peak
3	3415.787	5.42	31.57	41.02	46.69	42.66	68.20	-25.54 peak
4	4392.376	6.66	33.42	41.78	47.95	46.25	74.00	-27.75 peak
5	10600.000	10.62	37.72	37.42	41.02	51.94	68.20	-16.26 peak
6	15900.000	14.12	40.94	40.55	36.54	51.05	74.00	-22.95 peak



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



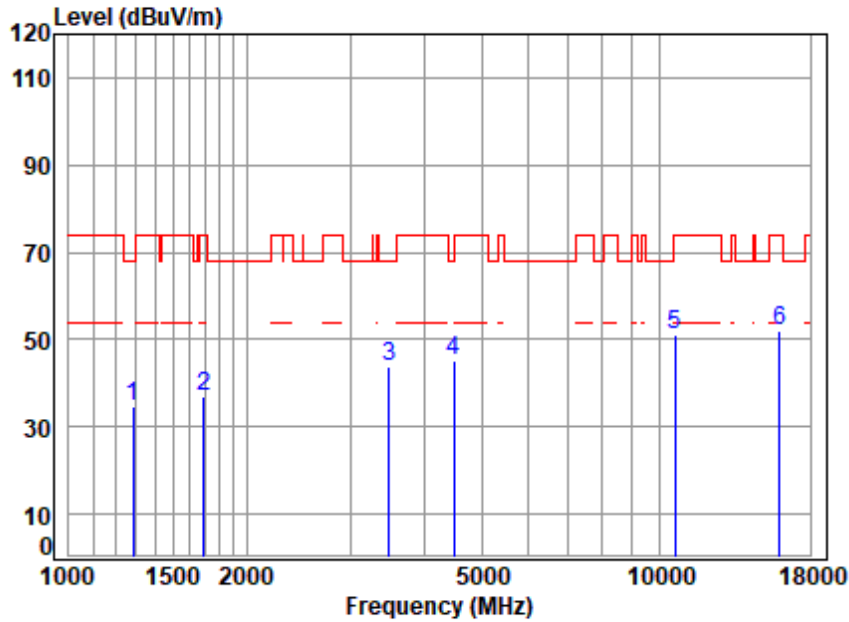
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5320 TX RSE  
 Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.193	2.91	24.95	39.82	46.48	34.52	68.20	-33.68	peak
2	1692.231	3.42	26.64	40.06	47.73	37.73	74.00	-36.27	peak
3	2999.187	4.86	30.90	40.70	48.17	43.23	68.20	-24.97	peak
4	4469.214	6.73	33.55	41.85	48.31	46.74	68.20	-21.46	peak
5	10640.000	10.66	37.73	37.44	40.42	51.37	74.00	-22.63	peak
6	15960.000	14.14	40.98	40.58	36.17	50.71	74.00	-23.29	peak



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



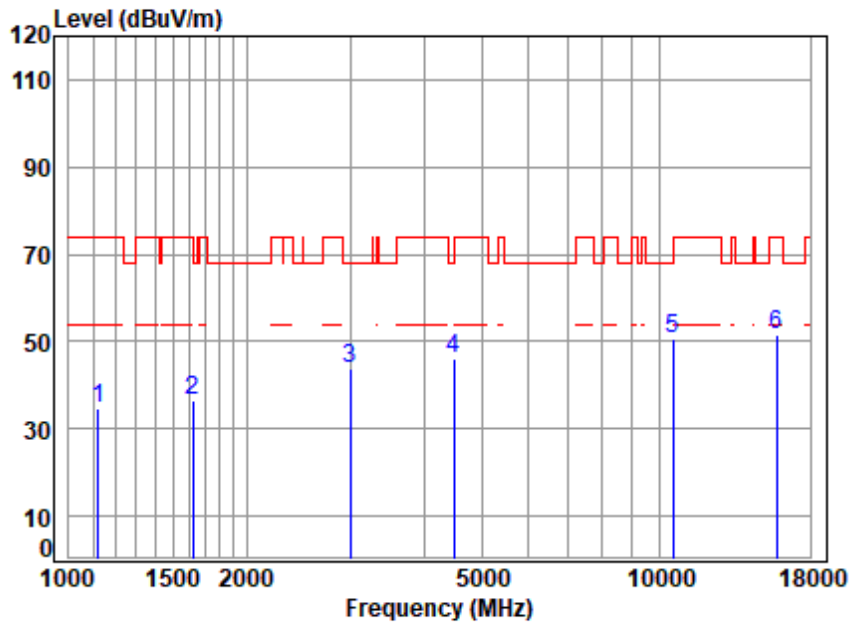
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5320 TX RSE  
 Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1285.904	2.92	24.96	39.82	46.46	34.52	68.20	-33.68	peak
2	1692.231	3.42	26.64	40.06	47.01	37.01	74.00	-36.99	peak
3	3485.601	5.50	31.68	41.07	47.55	43.66	68.20	-24.54	peak
4	4495.125	6.76	33.59	41.87	46.86	45.34	68.20	-22.86	peak
5	10640.000	10.66	37.73	37.44	40.37	51.32	74.00	-22.68	peak
6	15960.000	14.14	40.98	40.58	37.33	51.87	74.00	-22.13	peak



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



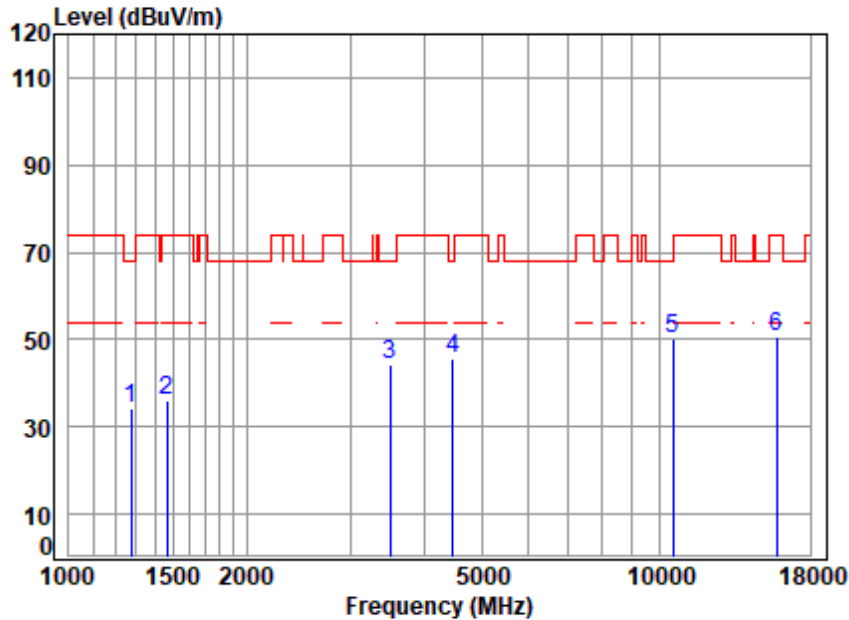
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5270 TX RSE  
 Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.563	2.62	24.23	39.70	47.56	34.71	74.00	-39.29 peak
2	1620.431	3.36	26.34	40.02	46.70	36.38	74.00	-37.62 peak
3	2999.187	4.86	30.90	40.70	48.83	43.89	68.20	-24.31 peak
4	4482.150	6.74	33.57	41.86	47.53	45.98	68.20	-22.22 peak
5	10540.000	10.57	37.71	37.39	39.68	50.57	68.20	-17.63 peak
6	15810.000	14.08	40.89	40.51	37.16	51.62	74.00	-22.38 peak



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



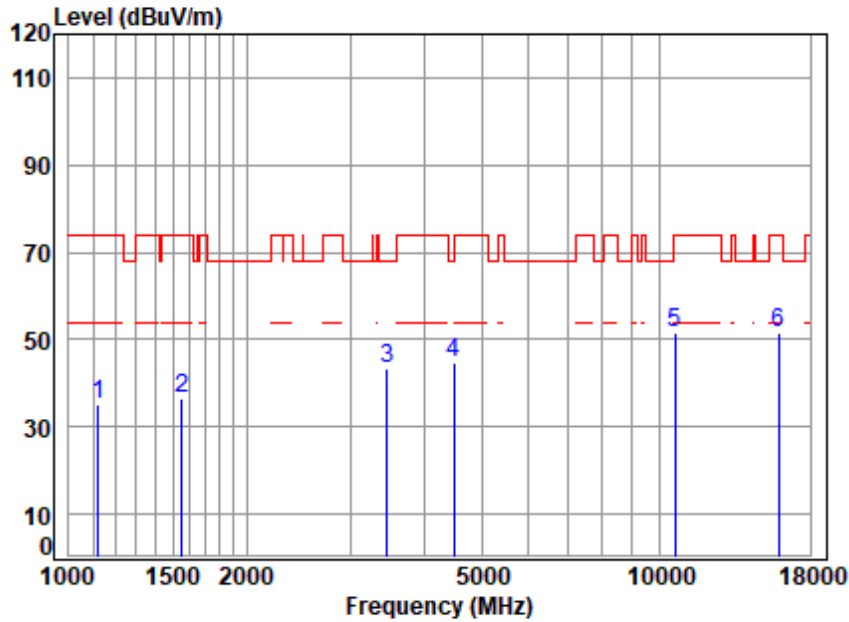
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5270 TX RSE  
 Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1274.802	2.90	24.92	39.81	46.23	34.24	68.20	-33.96	peak
2	1464.522	3.21	25.67	39.93	46.94	35.89	74.00	-38.11	peak
3	3495.691	5.51	31.69	41.07	48.26	44.39	68.20	-23.81	peak
4	4469.214	6.73	33.55	41.85	47.22	45.65	68.20	-22.55	peak
5	10540.000	10.57	37.71	37.39	39.30	50.19	68.20	-18.01	peak
6	15810.000	14.08	40.89	40.51	36.11	50.57	74.00	-23.43	peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5310 TX RSE  
 Note : 5G WIFI 11N40

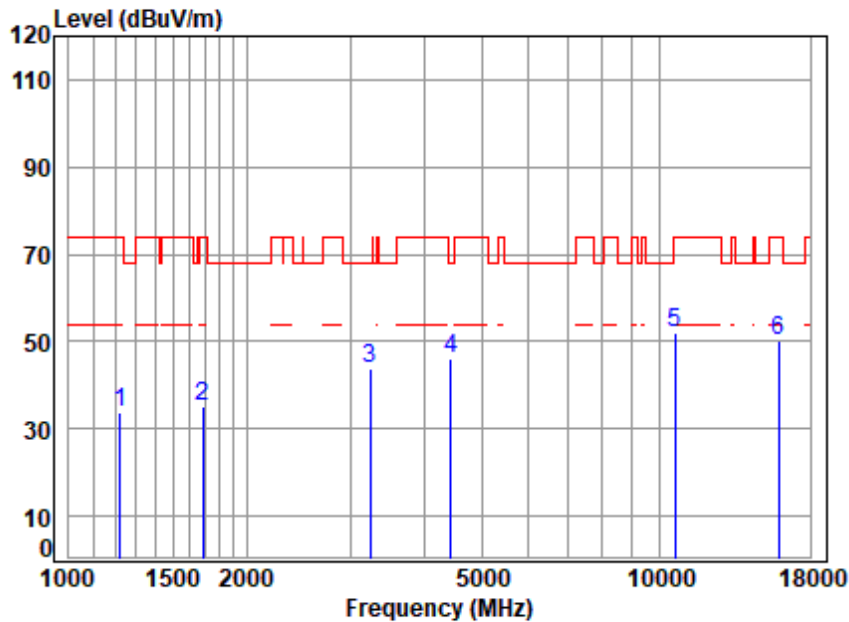
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.563	2.62	24.23	39.70	48.14	35.29	74.00	-38.71 peak
2	1551.677	3.31	26.04	39.98	46.98	36.35	74.00	-37.65 peak
3	3465.510	5.48	31.65	41.05	47.23	43.31	68.20	-24.89 peak
4	4482.150	6.74	33.57	41.86	46.44	44.89	68.20	-23.31 peak
5	10620.000	10.64	37.72	37.43	40.82	51.75	74.00	-22.25 peak
6	15930.000	14.13	40.96	40.57	37.09	51.61	74.00	-22.39 peak



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



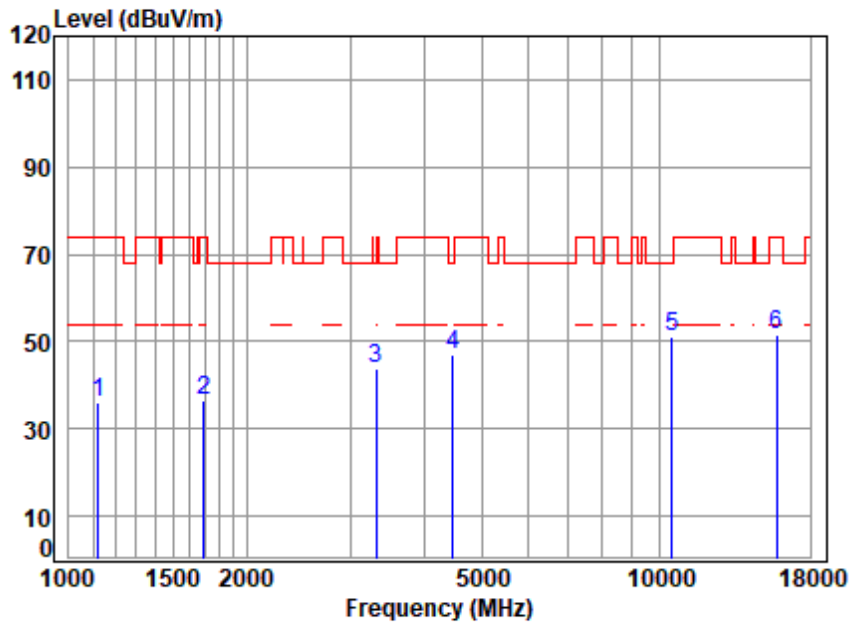
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5310 TX RSE  
 Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1224.247	2.81	24.70	39.78	45.90	33.63	74.00	-40.37 peak
2	1687.347	3.42	26.62	40.05	45.25	35.24	74.00	-38.76 peak
3	3233.260	5.18	31.29	40.88	48.09	43.68	68.20	-24.52 peak
4	4443.453	6.71	33.50	41.82	47.59	45.98	68.20	-22.22 peak
5	10620.000	10.64	37.72	37.43	41.06	51.99	74.00	-22.01 peak
6	15930.000	14.13	40.96	40.57	35.85	50.37	74.00	-23.63 peak



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



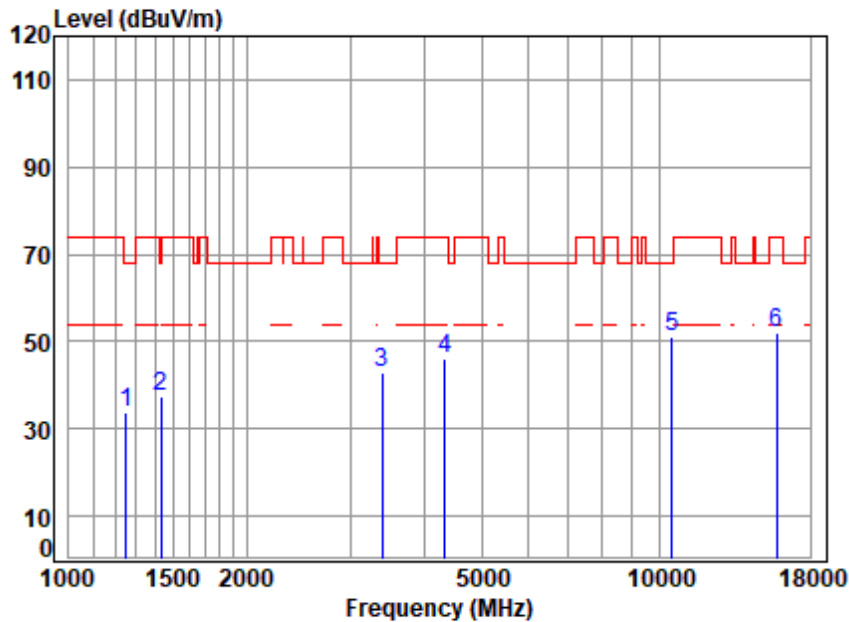
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5260 TX RSE  
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.563	2.62	24.23	39.70	48.84	35.99	74.00	-38.01 peak
2	1692.231	3.42	26.64	40.06	46.63	36.63	74.00	-37.37 peak
3	3318.471	5.29	31.42	40.95	47.83	43.59	68.20	-24.61 peak
4	4469.214	6.73	33.55	41.85	48.40	46.83	68.20	-21.37 peak
5	10520.000	10.55	37.70	37.38	40.17	51.04	68.20	-17.16 peak
6	15780.000	14.07	40.87	40.50	36.90	51.34	74.00	-22.66 peak



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



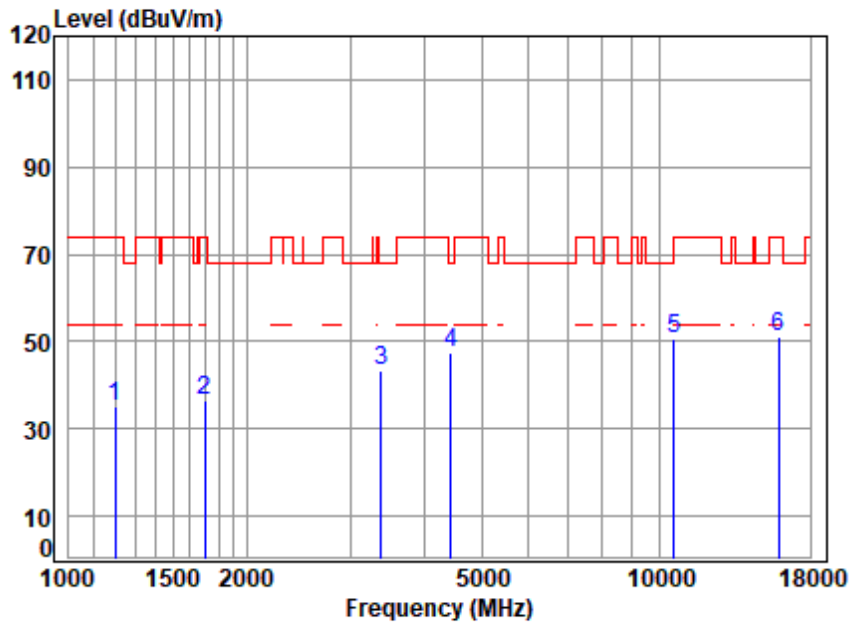
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5260 TX RSE  
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1249.269	2.85	24.81	39.79	46.04	33.91	68.20	-34.29	peak
2	1435.189	3.16	25.56	39.91	48.40	37.21	74.00	-36.79	peak
3	3396.098	5.39	31.54	41.00	46.77	42.70	68.20	-25.50	peak
4	4341.886	6.61	33.33	41.73	48.07	46.28	74.00	-27.72	peak
5	10520.000	10.55	37.70	37.38	40.17	51.04	68.20	-17.16	peak
6	15780.000	14.07	40.87	40.50	37.50	51.94	74.00	-22.06	peak



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



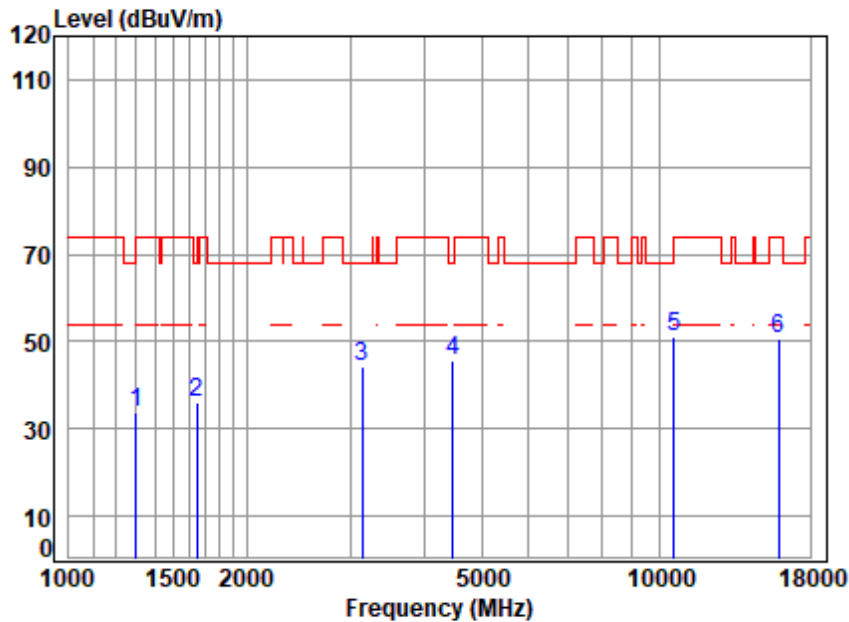
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5300 TX RSE  
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1199.726	2.76	24.59	39.76	47.64	35.23	74.00	-38.77 peak
2	1702.042	3.43	26.68	40.06	46.24	36.29	74.00	-37.71 peak
3	3386.297	5.38	31.53	40.99	47.60	43.52	68.20	-24.68 peak
4	4443.453	6.71	33.50	41.82	49.25	47.64	68.20	-20.56 peak
5	10600.000	10.62	37.72	37.42	39.65	50.57	68.20	-17.63 peak
6	15900.000	14.12	40.94	40.55	36.42	50.93	74.00	-23.07 peak



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



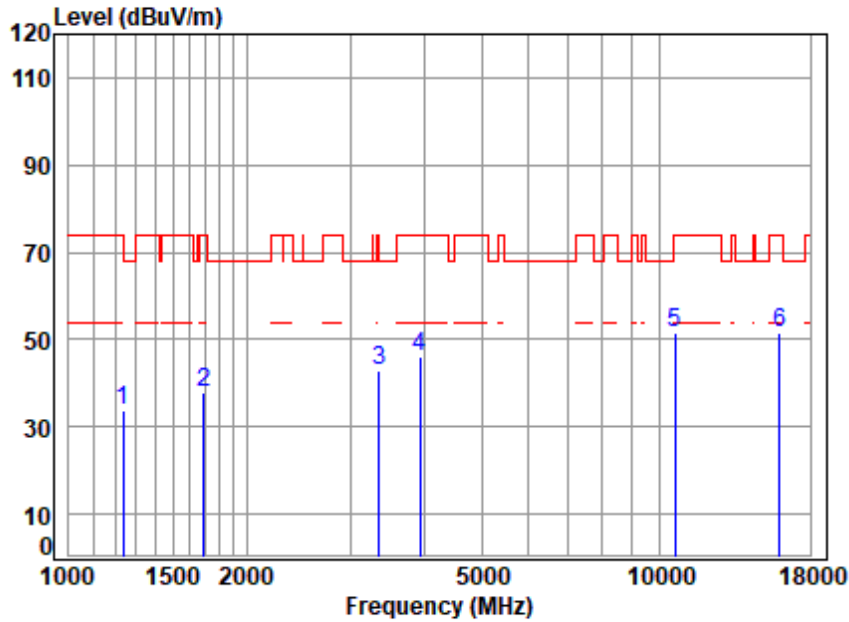
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5300 TX RSE  
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	2.94	25.03	39.83	45.81	33.95	74.00	-40.05	peak
2	1648.778	3.39	26.46	40.03	46.20	36.02	68.20	-32.18	peak
3	3141.145	5.06	31.14	40.81	49.07	44.46	68.20	-23.74	peak
4	4469.214	6.73	33.55	41.85	47.04	45.47	68.20	-22.73	peak
5	10600.000	10.62	37.72	37.42	40.33	51.25	68.20	-16.95	peak
6	15900.000	14.12	40.94	40.55	36.35	50.86	74.00	-23.14	peak



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



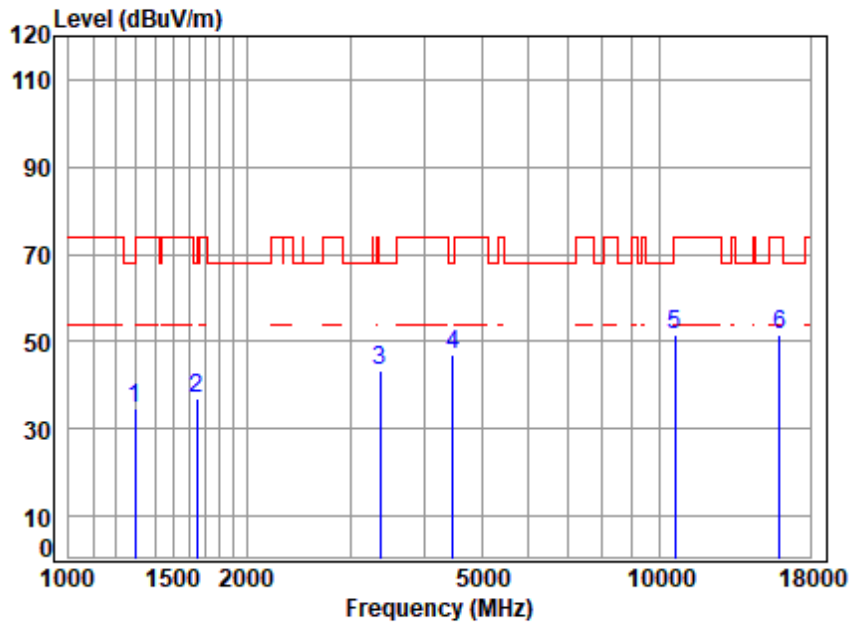
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5320 TX RSE  
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1238.483	2.83	24.76	39.79	45.96	33.76	74.00	-40.24 peak
2	1692.231	3.42	26.64	40.06	47.71	37.71	74.00	-36.29 peak
3	3357.061	5.34	31.48	40.97	47.20	43.05	74.00	-30.95 peak
4	3935.493	6.19	32.58	41.36	48.65	46.06	74.00	-27.94 peak
5	10640.000	10.66	37.73	37.44	40.63	51.58	74.00	-22.42 peak
6	15960.000	14.14	40.98	40.58	37.06	51.60	74.00	-22.40 peak



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



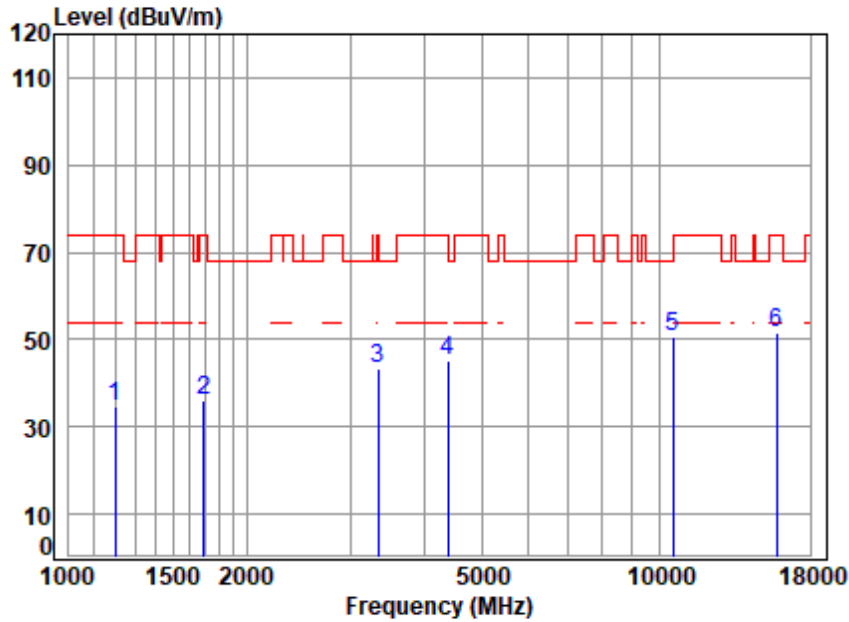
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5320 TX RSE  
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1297.103	2.94	25.01	39.83	46.45	34.57	68.20	-33.63 peak
2	1648.778	3.39	26.46	40.03	46.98	36.80	68.20	-31.40 peak
3	3366.778	5.35	31.50	40.98	47.68	43.55	68.20	-24.65 peak
4	4469.214	6.73	33.55	41.85	48.35	46.78	68.20	-21.42 peak
5	10640.000	10.66	37.73	37.44	40.80	51.75	74.00	-22.25 peak
6	15960.000	14.14	40.98	40.58	36.95	51.49	74.00	-22.51 peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5270 TX RSE  
 Note : 5G WIFI 11AC40

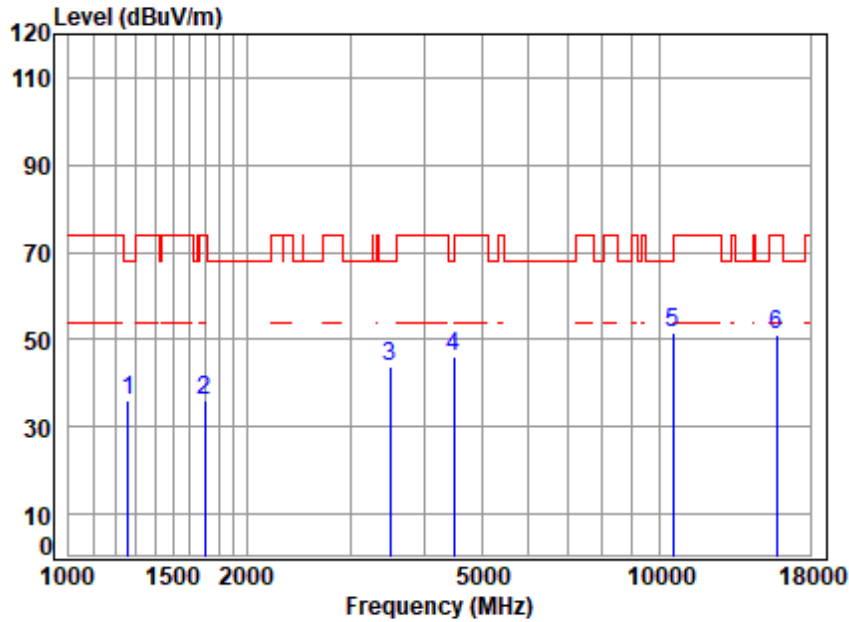
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1199.726	2.76	24.59	39.76	47.00	34.59	74.00	-39.41 peak
2	1692.231	3.42	26.64	40.06	46.03	36.03	74.00	-37.97 peak
3	3347.371	5.33	31.47	40.97	47.34	43.17	74.00	-30.83 peak
4	4392.376	6.66	33.42	41.78	47.05	45.35	74.00	-28.65 peak
5	10540.000	10.57	37.71	37.39	39.82	50.71	68.20	-17.49 peak
6	15810.000	14.08	40.89	40.51	37.31	51.77	74.00	-22.23 peak



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



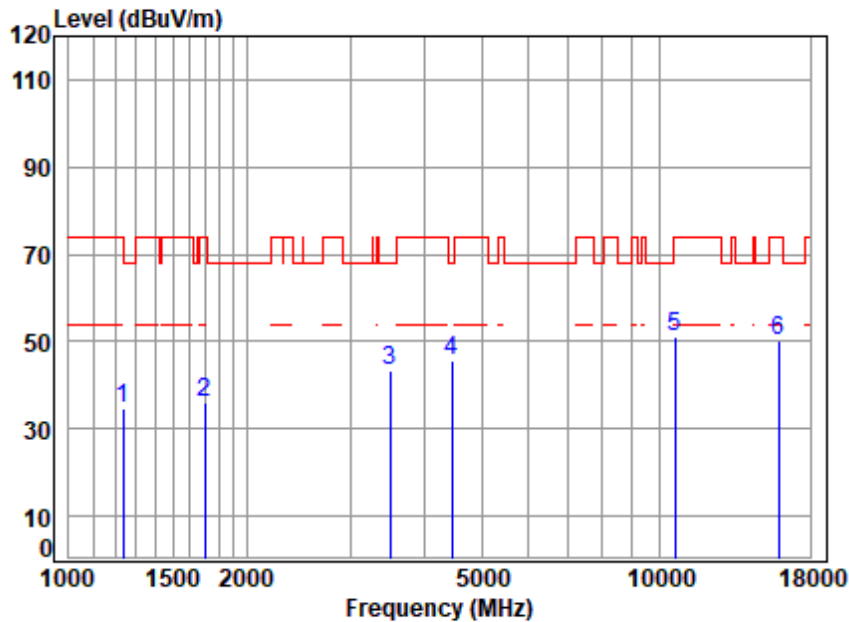
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5270 TX RSE  
 Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1260.149	2.87	24.85	39.80	48.05	35.97	68.20	-32.23 peak
2	1697.129	3.43	26.66	40.06	46.16	36.19	74.00	-37.81 peak
3	3495.691	5.51	31.69	41.07	47.64	43.77	68.20	-24.43 peak
4	4482.150	6.74	33.57	41.86	47.55	46.00	68.20	-22.20 peak
5	10540.000	10.57	37.71	37.39	40.89	51.78	68.20	-16.42 peak
6	15810.000	14.08	40.89	40.51	36.68	51.14	74.00	-22.86 peak



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



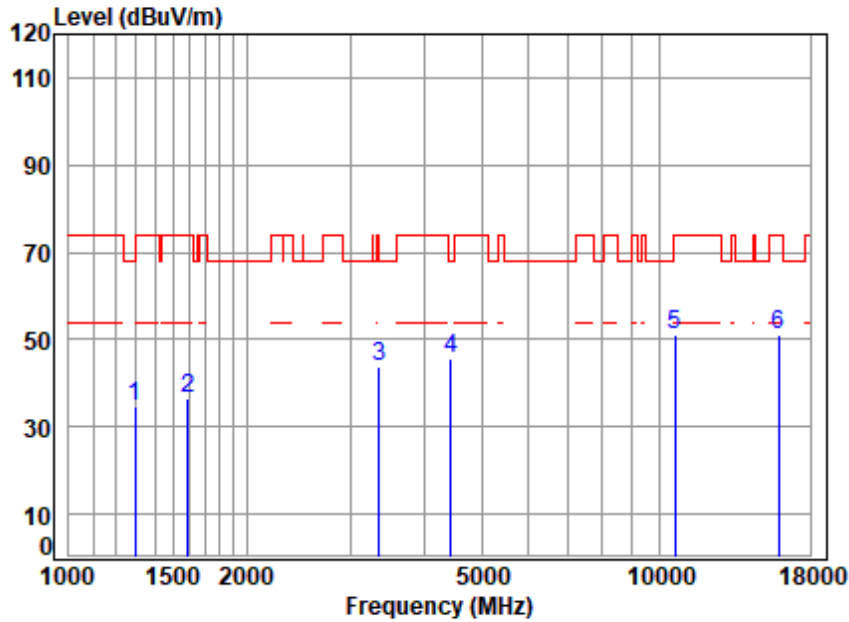
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5310 TX RSE  
 Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1234.909	2.83	24.74	39.78	46.75	34.54	74.00	-39.46 peak
2	1697.129	3.43	26.66	40.06	46.15	36.18	74.00	-37.82 peak
3	3495.691	5.51	31.69	41.07	47.44	43.57	68.20	-24.63 peak
4	4456.315	6.72	33.53	41.84	47.05	45.46	68.20	-22.74 peak
5	10620.000	10.64	37.72	37.43	40.35	51.28	74.00	-22.72 peak
6	15930.000	14.13	40.96	40.57	35.83	50.35	74.00	-23.65 peak



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



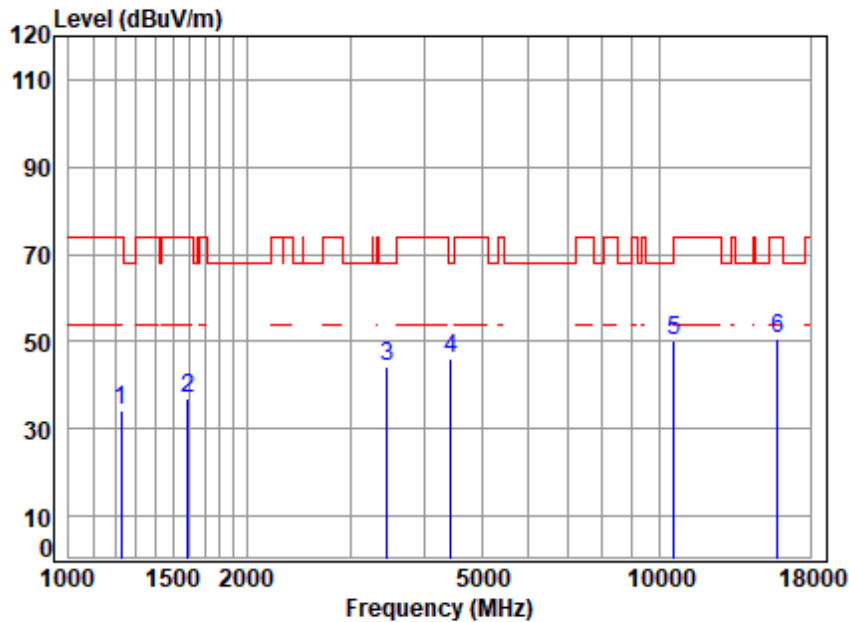
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5310 TX RSE  
 Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1297.103	2.94	25.01	39.83	46.34	34.46	68.20	-33.74 peak
2	1592.571	3.34	26.22	40.00	47.09	36.65	74.00	-37.35 peak
3	3357.061	5.34	31.48	40.97	48.02	43.87	74.00	-30.13 peak
4	4443.453	6.71	33.50	41.82	47.25	45.64	68.20	-22.56 peak
5	10620.000	10.64	37.72	37.43	40.38	51.31	74.00	-22.69 peak
6	15930.000	14.13	40.96	40.57	36.68	51.20	74.00	-22.80 peak



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



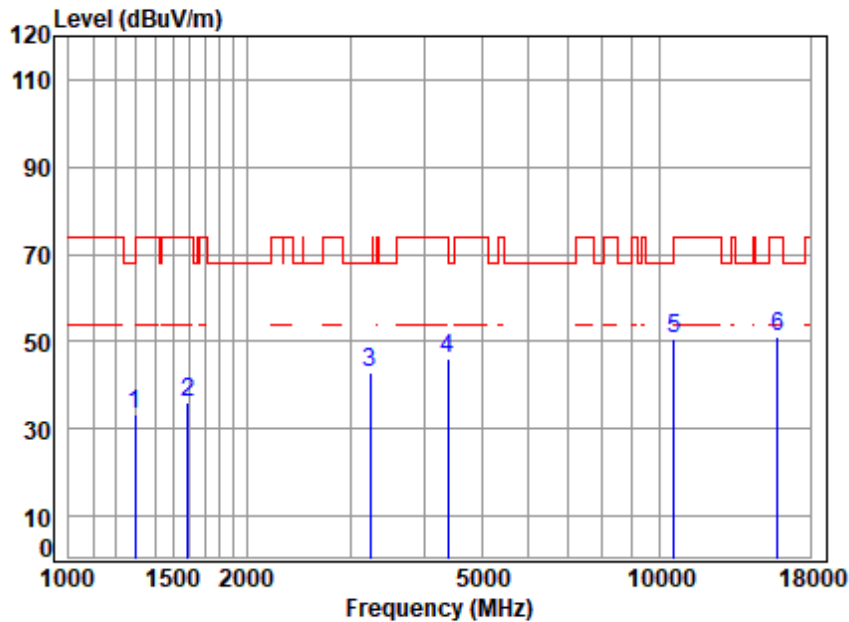
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5290 TX RSE  
 Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1227.791	2.82	24.71	39.78	46.37	34.12	74.00	-39.88 peak
2	1592.571	3.34	26.22	40.00	47.43	36.99	74.00	-37.01 peak
3	3465.510	5.48	31.65	41.05	48.10	44.18	68.20	-24.02 peak
4	4430.628	6.70	33.48	41.81	47.63	46.00	68.20	-22.20 peak
5	10580.000	10.60	37.72	37.41	39.47	50.38	68.20	-17.82 peak
6	15870.000	14.11	40.92	40.54	35.96	50.45	74.00	-23.55 peak



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



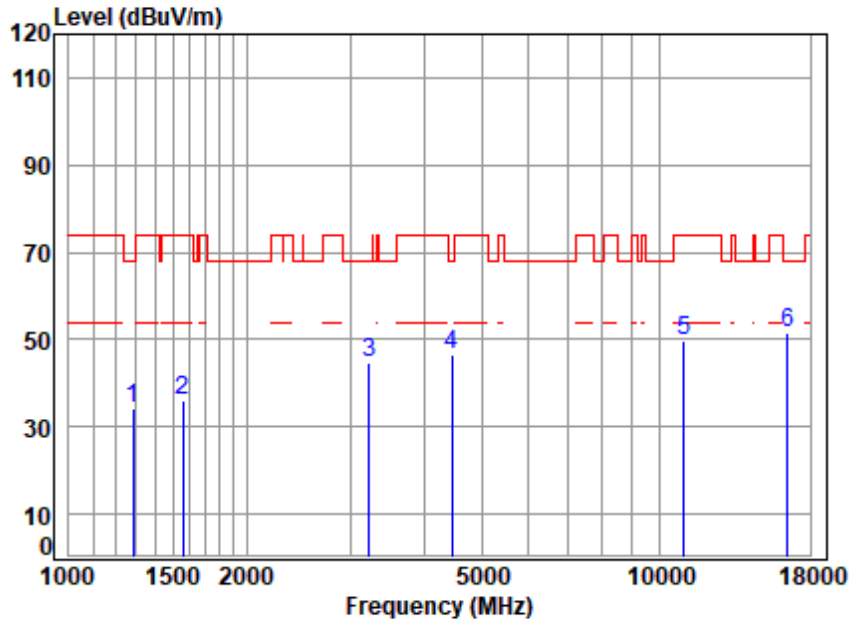
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5290 TX RSE  
 Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1297.103	2.94	25.01	39.83	45.14	33.26	68.20	-34.94 peak
2	1592.571	3.34	26.22	40.00	46.62	36.18	74.00	-37.82 peak
3	3233.260	5.18	31.29	40.88	47.37	42.96	68.20	-25.24 peak
4	4392.376	6.66	33.42	41.78	47.86	46.16	74.00	-27.84 peak
5	10580.000	10.60	37.72	37.41	39.52	50.43	68.20	-17.77 peak
6	15870.000	14.11	40.92	40.54	36.52	51.01	74.00	-22.99 peak



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



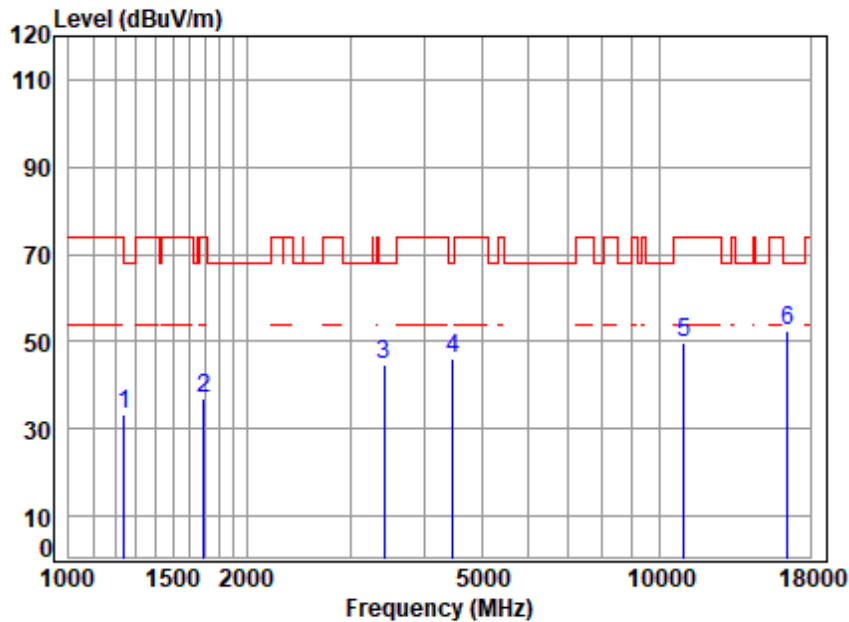
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5500 TX RSE  
 Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1285.904	2.92	24.96	39.82	46.07	34.13	68.20	-34.07 peak
2	1560.673	3.31	26.08	39.99	46.54	35.94	74.00	-38.06 peak
3	3223.928	5.17	31.27	40.88	49.24	44.80	68.20	-23.40 peak
4	4456.315	6.72	33.53	41.84	47.94	46.35	68.20	-21.85 peak
5	11000.000	10.97	37.80	37.62	38.45	49.60	74.00	-24.40 peak
6	16500.000	14.82	42.20	40.47	34.87	51.42	68.20	-16.78 peak



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



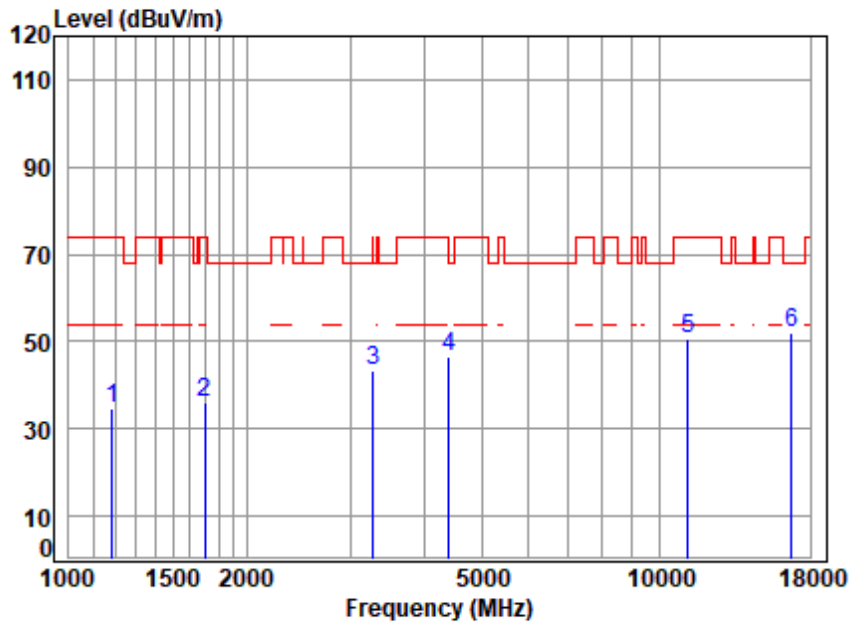
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5500 TX RSE  
 Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1242.068	2.84	24.78	39.79	45.55	33.38	68.20	-34.82	peak
2	1692.231	3.42	26.64	40.06	46.73	36.73	74.00	-37.27	peak
3	3415.787	5.42	31.57	41.02	48.84	44.81	68.20	-23.39	peak
4	4469.214	6.73	33.55	41.85	47.82	46.25	68.20	-21.95	peak
5	11000.000	10.97	37.80	37.62	38.75	49.90	74.00	-24.10	peak
6	16500.000	14.82	42.20	40.47	35.73	52.28	68.20	-15.92	peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5580 TX RSE  
 Note : 5G WIFI 11A

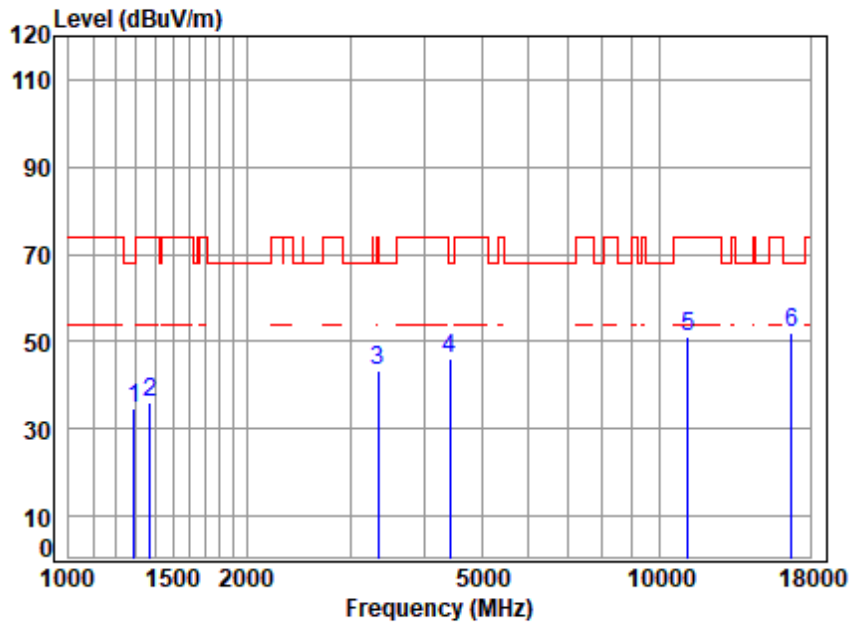
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1185.936	2.74	24.53	39.75	47.26	34.78	74.00	-39.22 peak
2	1697.129	3.43	26.66	40.06	46.17	36.20	74.00	-37.80 peak
3	3270.858	5.23	31.35	40.91	47.68	43.35	68.20	-24.85 peak
4	4405.090	6.67	33.44	41.79	48.06	46.38	68.20	-21.82 peak
5	11160.000	11.18	37.83	37.70	39.31	50.62	74.00	-23.38 peak
6	16740.000	14.51	42.39	40.41	35.63	52.12	68.20	-16.08 peak



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



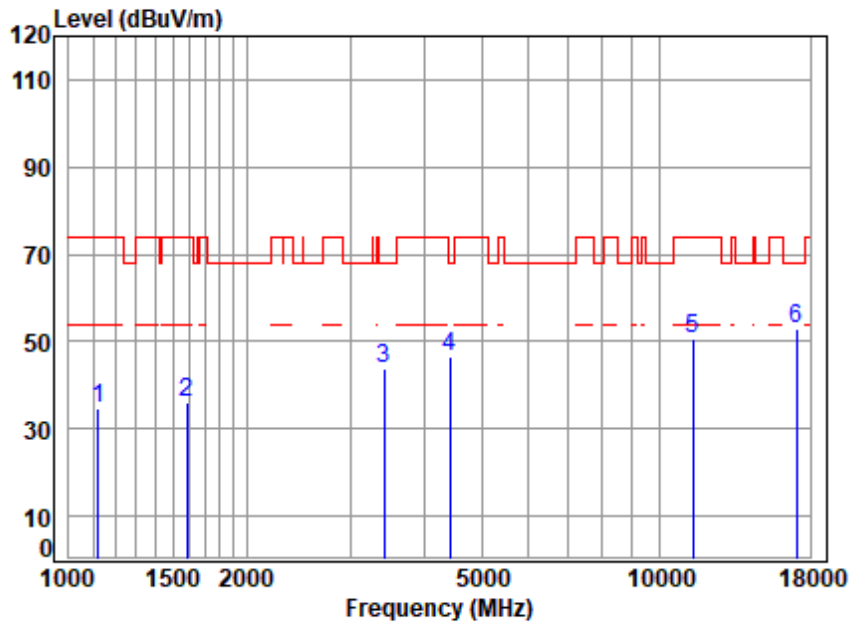
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5580 TX RSE  
 Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1289.627	2.92	24.98	39.82	46.82	34.90	68.20	-33.30 peak
2	1374.295	3.07	25.33	39.88	47.73	36.25	74.00	-37.75 peak
3	3347.371	5.33	31.47	40.97	47.45	43.28	74.00	-30.72 peak
4	4417.841	6.68	33.46	41.80	47.72	46.06	68.20	-22.14 peak
5	11160.000	11.18	37.83	37.70	39.97	51.28	74.00	-22.72 peak
6	16740.000	14.51	42.39	40.41	35.37	51.86	68.20	-16.34 peak



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



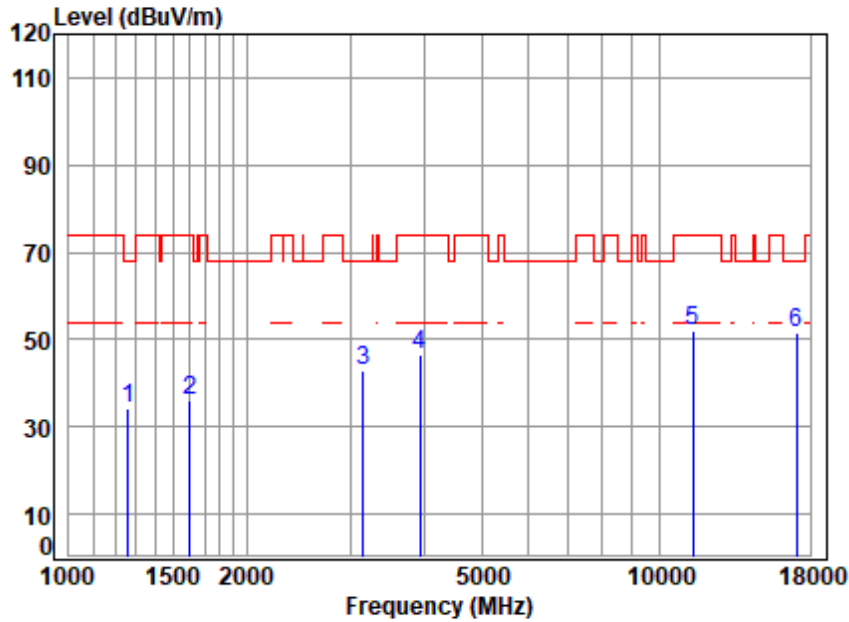
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5700 TX RSE  
 Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.563	2.62	24.23	39.70	47.43	34.58	74.00	-39.42 peak
2	1587.975	3.34	26.20	40.00	46.50	36.04	74.00	-37.96 peak
3	3415.787	5.42	31.57	41.02	47.81	43.78	68.20	-24.42 peak
4	4417.841	6.68	33.46	41.80	47.97	46.31	68.20	-21.89 peak
5	11400.000	11.50	37.88	37.82	38.93	50.49	74.00	-23.51 peak
6	17100.000	14.14	42.66	40.32	36.42	52.90	68.20	-15.30 peak



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



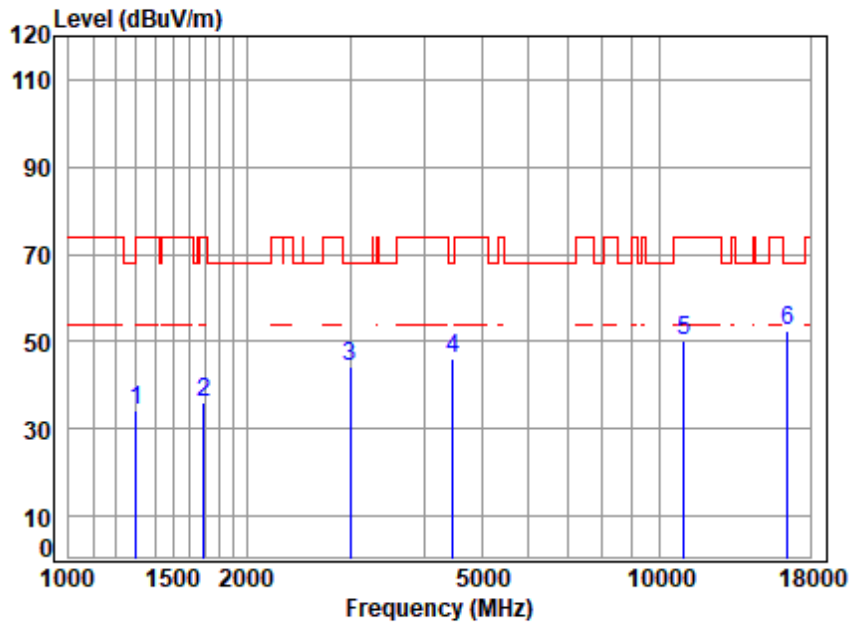
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5700 TX RSE  
 Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1260.149	2.87	24.85	39.80	46.48	34.40	68.20	-33.80 peak
2	1606.441	3.35	26.28	40.01	46.57	36.19	74.00	-37.81 peak
3	3150.237	5.07	31.15	40.82	47.39	42.79	68.20	-25.41 peak
4	3935.493	6.19	32.58	41.36	48.99	46.40	74.00	-27.60 peak
5	11400.000	11.50	37.88	37.82	40.28	51.84	74.00	-22.16 peak
6	17100.000	14.14	42.66	40.32	35.18	51.66	68.20	-16.54 peak



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



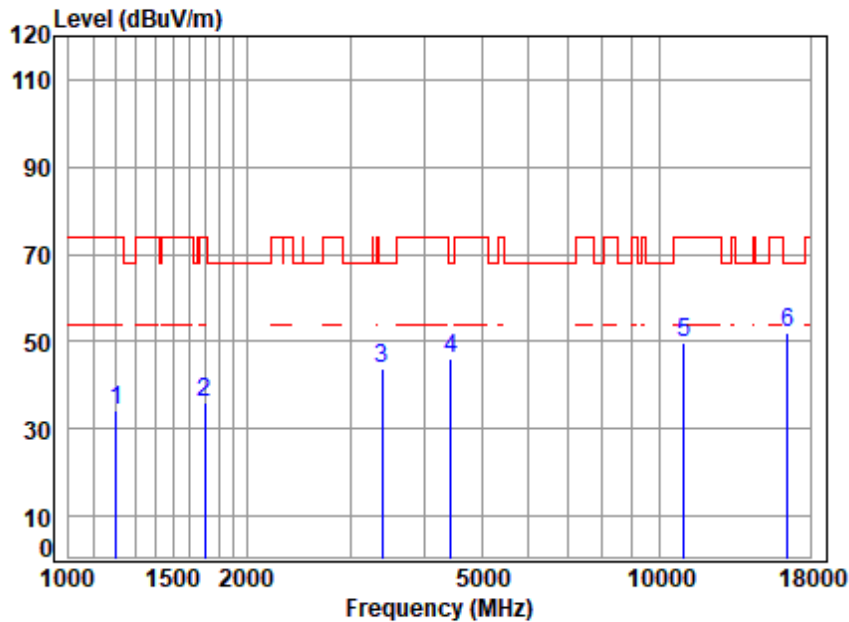
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5500 TX RSE  
 Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	2.94	25.03	39.83	46.31	34.45	74.00	-39.55	peak
2	1692.231	3.42	26.64	40.06	46.08	36.08	74.00	-37.92	peak
3	2999.187	4.86	30.90	40.70	49.15	44.21	68.20	-23.99	peak
4	4469.214	6.73	33.55	41.85	47.71	46.14	68.20	-22.06	peak
5	11000.000	10.97	37.80	37.62	39.06	50.21	74.00	-23.79	peak
6	16500.000	14.82	42.20	40.47	35.82	52.37	68.20	-15.83	peak



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



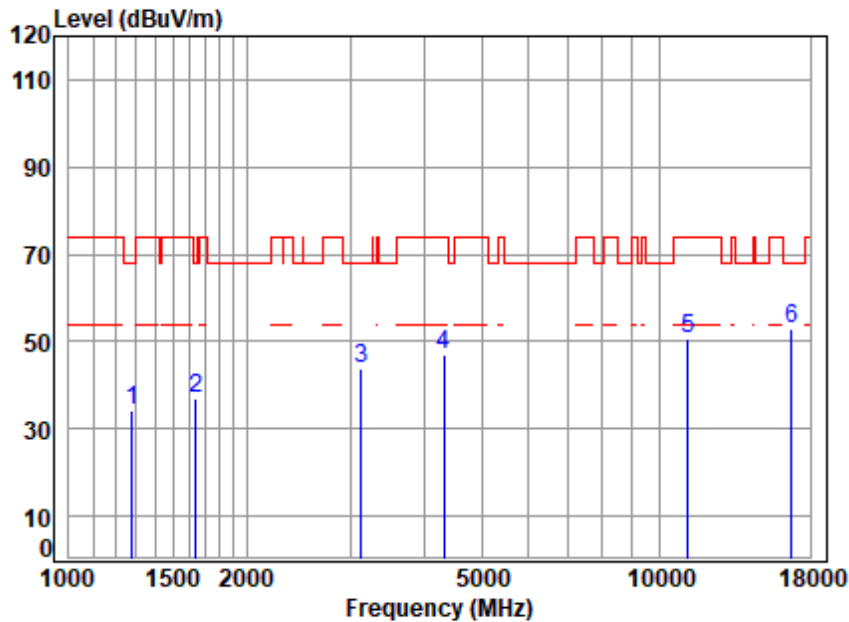
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5500 TX RSE  
 Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1203.199	2.77	24.60	39.76	46.46	34.07	74.00	-39.93 peak
2	1697.129	3.43	26.66	40.06	46.20	36.23	74.00	-37.77 peak
3	3396.098	5.39	31.54	41.00	47.65	43.58	68.20	-24.62 peak
4	4443.453	6.71	33.50	41.82	47.60	45.99	68.20	-22.21 peak
5	11000.000	10.97	37.80	37.62	38.44	49.59	74.00	-24.41 peak
6	16500.000	14.82	42.20	40.47	35.37	51.92	68.20	-16.28 peak



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



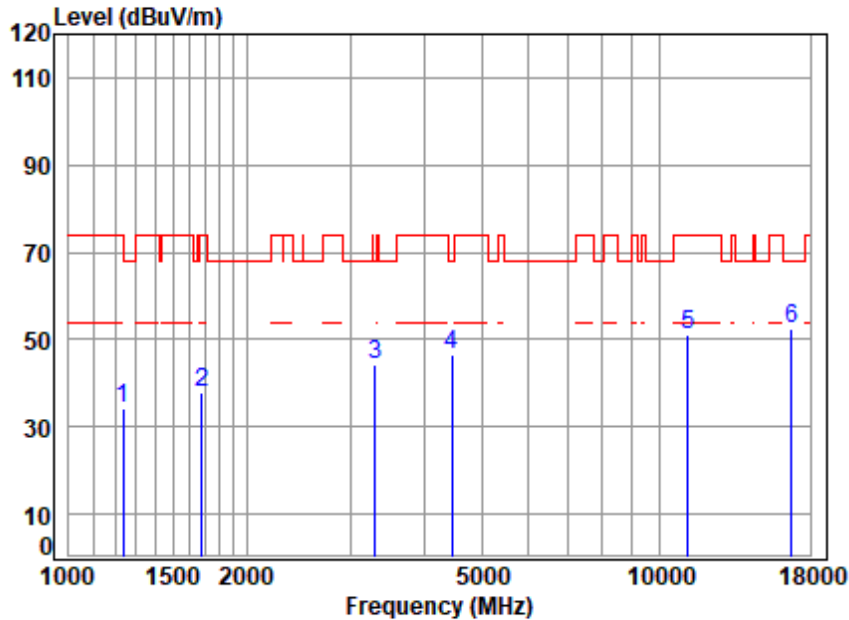
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5580 TX RSE  
 Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1278.492	2.91	24.93	39.81	46.28	34.31	68.20	-33.89 peak
2	1644.019	3.38	26.44	40.03	46.99	36.78	68.20	-31.42 peak
3	3123.039	5.03	31.11	40.80	48.25	43.59	68.20	-24.61 peak
4	4316.859	6.59	33.28	41.71	48.64	46.80	74.00	-27.20 peak
5	11160.000	11.18	37.83	37.70	39.40	50.71	74.00	-23.29 peak
6	16740.000	14.51	42.39	40.41	36.61	53.10	68.20	-15.10 peak



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



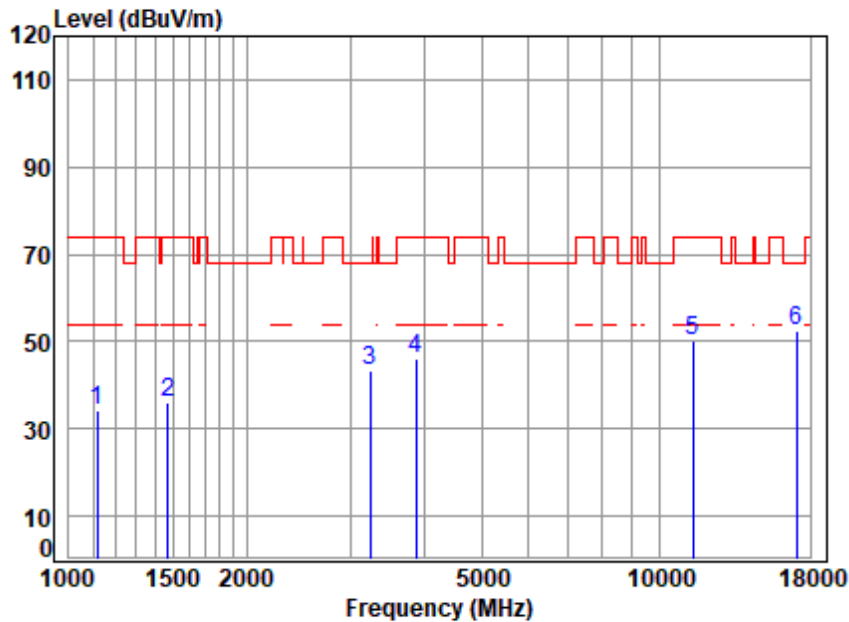
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5580 TX RSE  
 Note : 5G WIFI 11N20

	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	1234.909	2.83	24.74	39.78	46.65	34.44	74.00	-39.56	peak
2	1682.477	3.42	26.60	40.05	47.72	37.69	74.00	-36.31	peak
3	3308.894	5.28	31.41	40.94	48.50	44.25	68.20	-23.95	peak
4	4456.315	6.72	33.53	41.84	48.19	46.60	68.20	-21.60	peak
5	11160.000	11.18	37.83	37.70	39.88	51.19	74.00	-22.81	peak
6	16740.000	14.51	42.39	40.41	36.02	52.51	68.20	-15.69	peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5700 TX RSE  
 Note : 5G WIFI 11N20

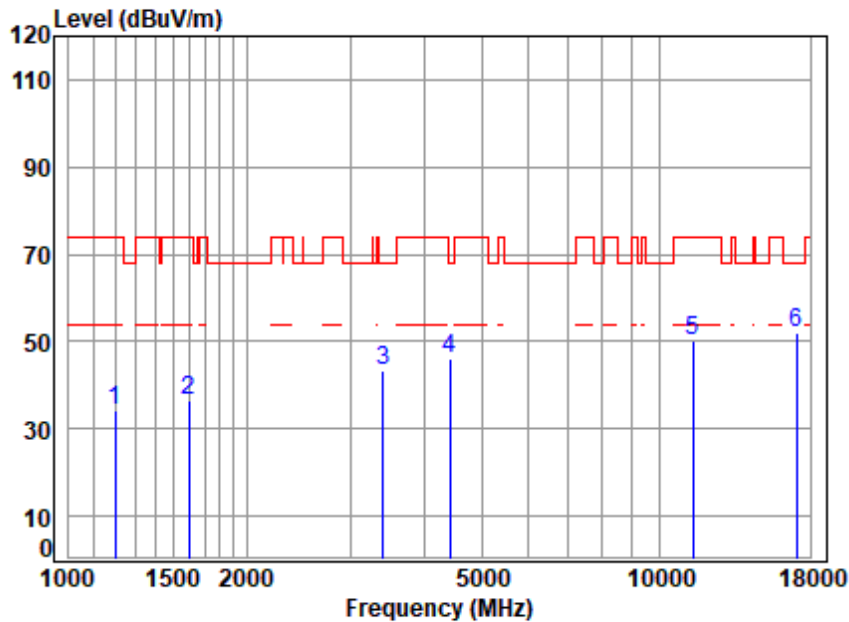
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1119.323	2.61	24.21	39.70	47.06	34.18	74.00	-39.82 peak
2	1473.013	3.22	25.70	39.94	47.16	36.14	74.00	-37.86 peak
3	3242.619	5.19	31.30	40.89	47.87	43.47	68.20	-24.73 peak
4	3879.027	6.11	32.47	41.33	48.74	45.99	74.00	-28.01 peak
5	11400.000	11.50	37.88	37.82	38.71	50.27	74.00	-23.73 peak
6	17100.000	14.14	42.66	40.32	36.13	52.61	68.20	-15.59 peak



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



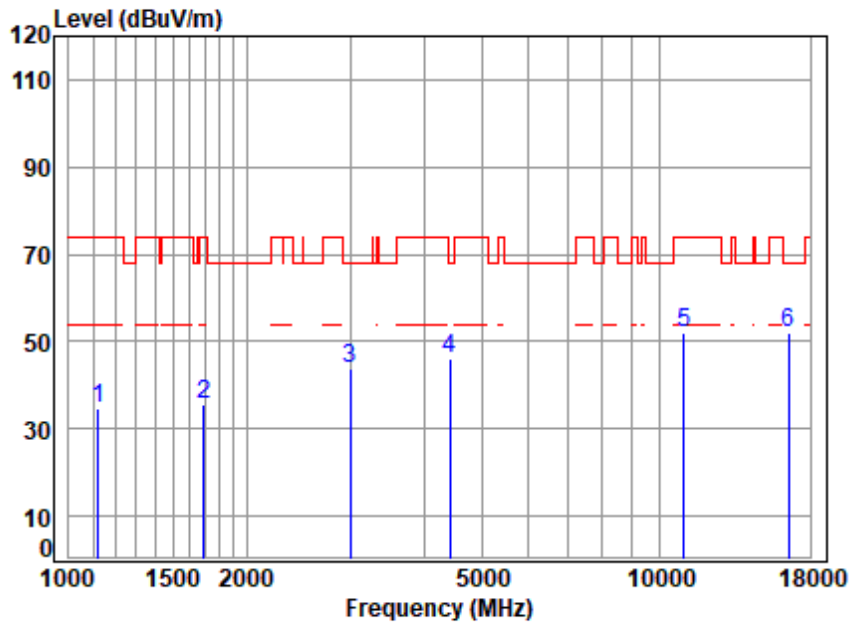
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5700 TX RSE  
 Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1199.726	2.76	24.59	39.76	46.84	34.43	74.00	-39.57 peak
2	1597.181	3.35	26.24	40.01	46.99	36.57	74.00	-37.43 peak
3	3405.929	5.40	31.56	41.01	47.23	43.18	68.20	-25.02 peak
4	4417.841	6.68	33.46	41.80	47.67	46.01	68.20	-22.19 peak
5	11400.000	11.50	37.88	37.82	38.82	50.38	74.00	-23.62 peak
6	17100.000	14.14	42.66	40.32	35.52	52.00	68.20	-16.20 peak



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



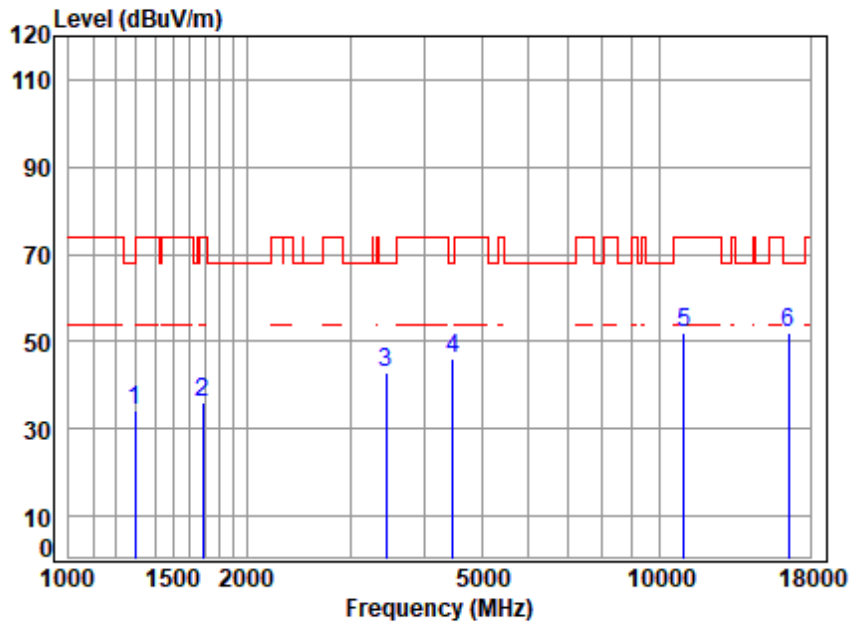
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5510 TX RSE  
 Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.563	2.62	24.23	39.70	47.60	34.75	74.00	-39.25 peak
2	1692.231	3.42	26.64	40.06	45.65	35.65	74.00	-38.35 peak
3	2999.187	4.86	30.90	40.70	48.64	43.70	68.20	-24.50 peak
4	4417.841	6.68	33.46	41.80	47.55	45.89	68.20	-22.31 peak
5	11020.000	11.00	37.80	37.63	40.85	52.02	74.00	-21.98 peak
6	16530.000	14.78	42.22	40.46	35.28	51.82	68.20	-16.38 peak



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



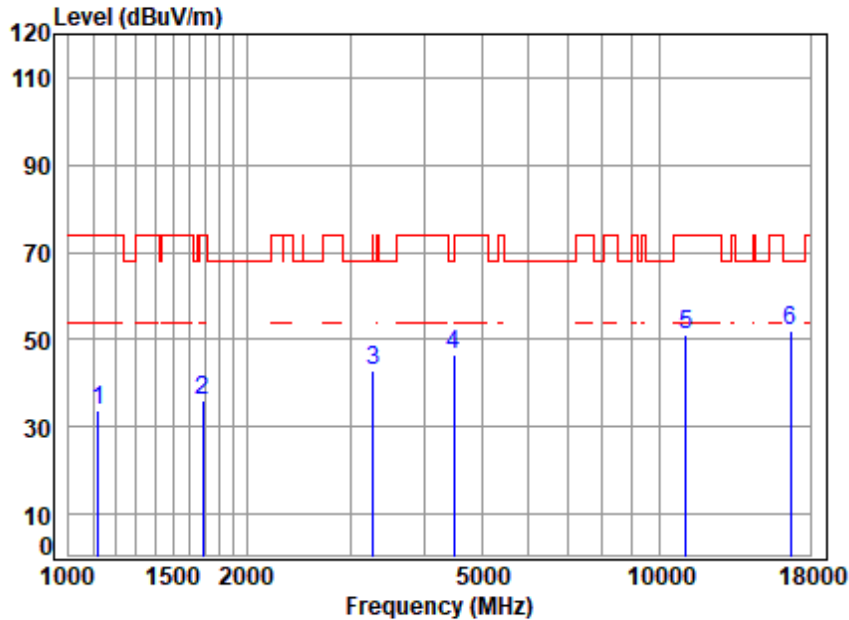
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5510 TX RSE  
 Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1297.103	2.94	25.01	39.83	46.29	34.41	68.20	-33.79	peak
2	1687.347	3.42	26.62	40.05	46.20	36.19	74.00	-37.81	peak
3	3445.535	5.45	31.62	41.04	47.00	43.03	68.20	-25.17	peak
4	4469.214	6.73	33.55	41.85	47.58	46.01	68.20	-22.19	peak
5	11020.000	11.00	37.80	37.63	40.85	52.02	74.00	-21.98	peak
6	16530.000	14.78	42.22	40.46	35.51	52.05	68.20	-16.15	peak



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



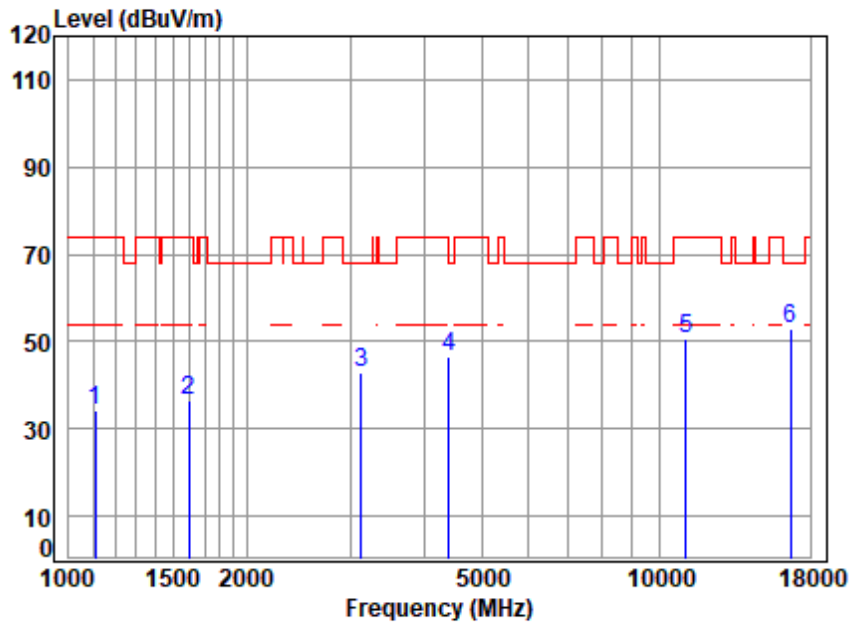
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5550 TX RSE  
 Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1122.563	2.62	24.23	39.70	46.74	33.89	74.00	-40.11	peak
2	1687.347	3.42	26.62	40.05	45.96	35.95	74.00	-38.05	peak
3	3270.858	5.23	31.35	40.91	47.32	42.99	68.20	-25.21	peak
4	4482.150	6.74	33.57	41.86	48.02	46.47	68.20	-21.73	peak
5	11100.000	11.10	37.82	37.67	40.04	51.29	74.00	-22.71	peak
6	16650.000	14.62	42.32	40.43	35.63	52.14	68.20	-16.06	peak



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



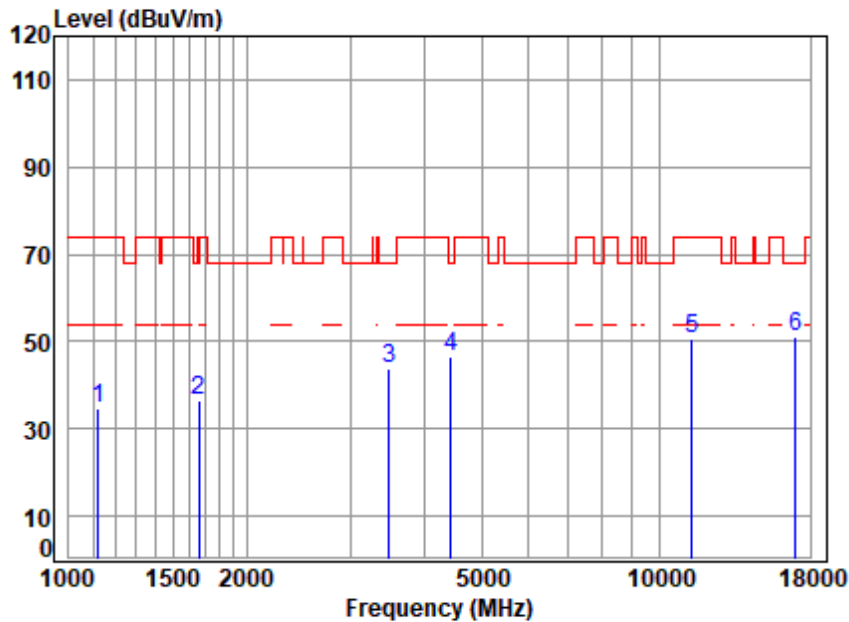
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5550 TX RSE  
 Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1109.660	2.59	24.16	39.69	47.38	34.44	74.00	-39.56 peak
2	1597.181	3.35	26.24	40.01	46.85	36.43	74.00	-37.57 peak
3	3123.039	5.03	31.11	40.80	47.69	43.03	68.20	-25.17 peak
4	4405.090	6.67	33.44	41.79	48.05	46.37	68.20	-21.83 peak
5	11100.000	11.10	37.82	37.67	39.29	50.54	74.00	-23.46 peak
6	16650.000	14.62	42.32	40.43	36.50	53.01	68.20	-15.19 peak



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



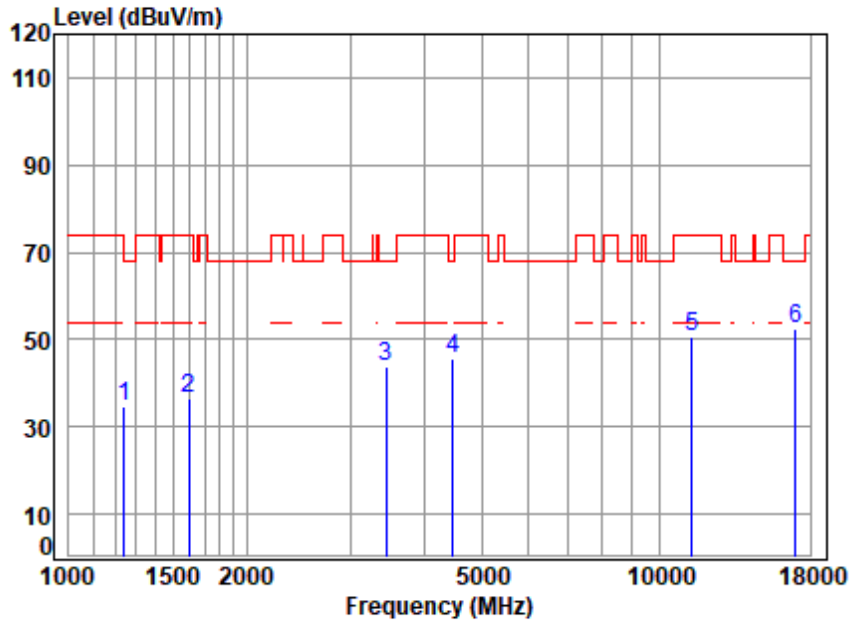
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5670 TX RSE  
 Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.563	2.62	24.23	39.70	47.46	34.61	74.00	-39.39 peak
2	1658.337	3.40	26.50	40.04	46.45	36.31	68.20	-31.89 peak
3	3485.601	5.50	31.68	41.07	47.60	43.71	68.20	-24.49 peak
4	4430.628	6.70	33.48	41.81	47.99	46.36	68.20	-21.84 peak
5	11340.000	11.42	37.87	37.79	39.20	50.70	74.00	-23.30 peak
6	17010.000	14.17	42.61	40.34	34.61	51.05	68.20	-17.15 peak



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



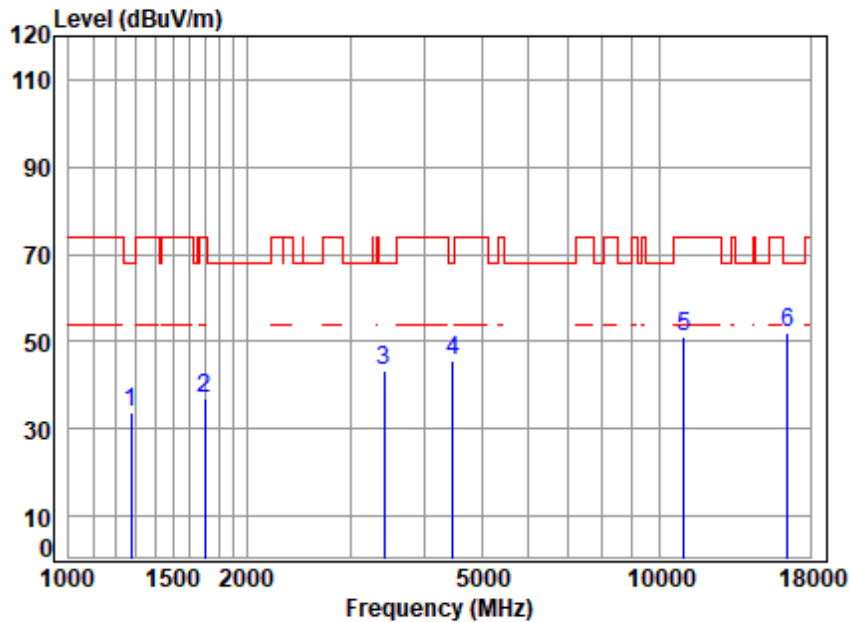
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5670 TX RSE  
 Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1242.068	2.84	24.78	39.79	46.66	34.49	68.20	-33.71 peak
2	1597.181	3.35	26.24	40.01	47.08	36.66	74.00	-37.34 peak
3	3445.535	5.45	31.62	41.04	47.91	43.94	68.20	-24.26 peak
4	4469.214	6.73	33.55	41.85	47.16	45.59	68.20	-22.61 peak
5	11340.000	11.42	37.87	37.79	39.21	50.71	74.00	-23.29 peak
6	17010.000	14.17	42.61	40.34	35.89	52.33	68.20	-15.87 peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5500 TX RSE  
 Note : 5G WIFI 11AC20

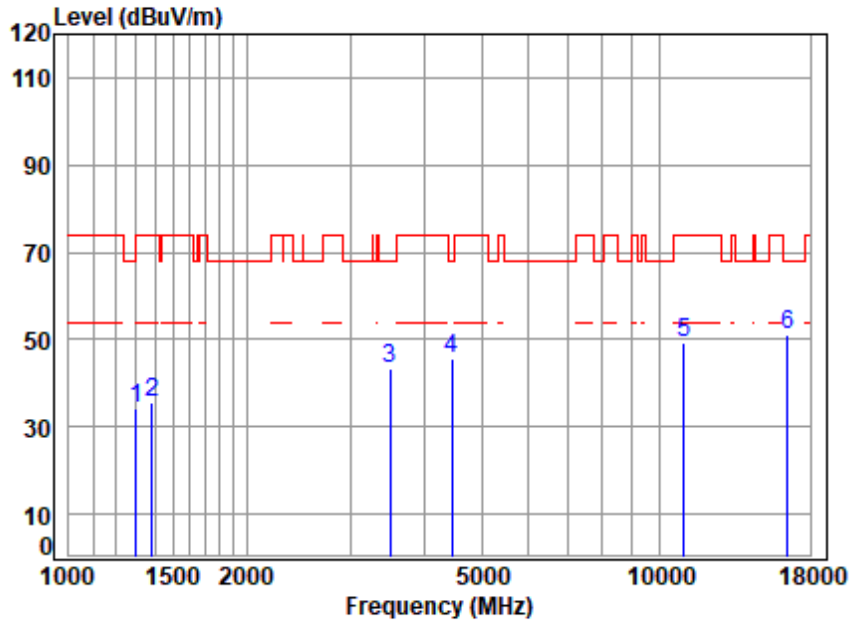
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1274.802	2.90	24.92	39.81	45.85	33.86	68.20	-34.34 peak
2	1702.042	3.43	26.68	40.06	46.86	36.91	74.00	-37.09 peak
3	3415.787	5.42	31.57	41.02	47.57	43.54	68.20	-24.66 peak
4	4469.214	6.73	33.55	41.85	47.29	45.72	68.20	-22.48 peak
5	11000.000	10.97	37.80	37.62	40.03	51.18	74.00	-22.82 peak
6	16500.000	14.82	42.20	40.47	35.56	52.11	68.20	-16.09 peak



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



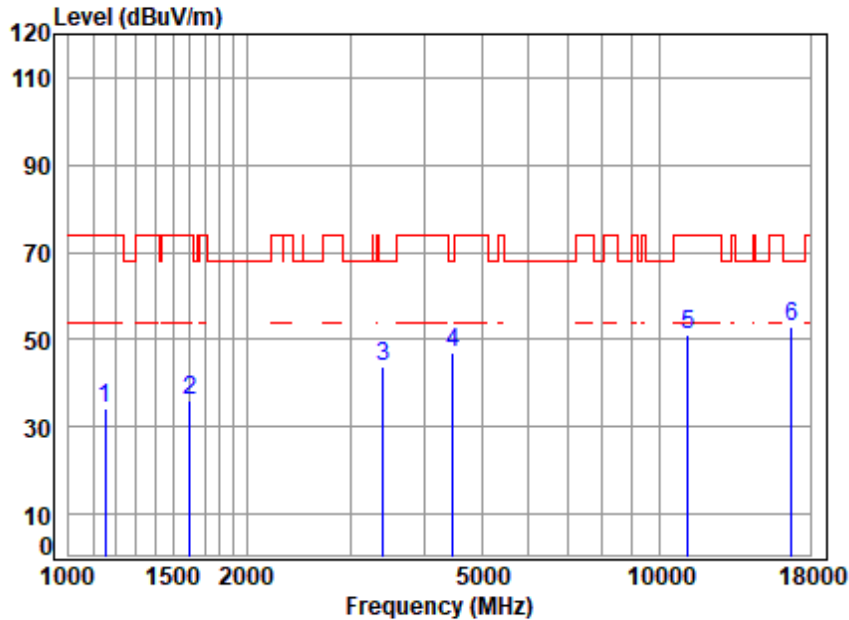
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5500 TX RSE  
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1300.858	2.94	25.03	39.83	46.03	34.17	74.00	-39.83 peak
2	1386.264	3.08	25.37	39.88	47.16	35.73	74.00	-38.27 peak
3	3495.691	5.51	31.69	41.07	47.37	43.50	68.20	-24.70 peak
4	4456.315	6.72	33.53	41.84	47.19	45.60	68.20	-22.60 peak
5	11000.000	10.97	37.80	37.62	38.25	49.40	74.00	-24.60 peak
6	16500.000	14.82	42.20	40.47	34.62	51.17	68.20	-17.03 peak



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



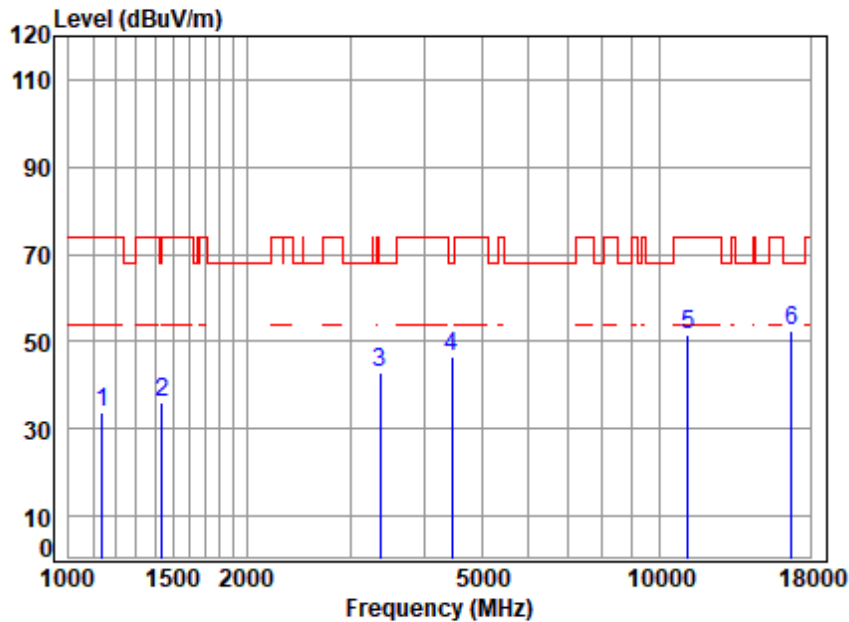
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5580 TX RSE  
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1152.148	2.67	24.37	39.72	46.97	34.29	74.00	-39.71 peak
2	1606.441	3.35	26.28	40.01	46.59	36.21	74.00	-37.79 peak
3	3405.929	5.40	31.56	41.01	47.77	43.72	68.20	-24.48 peak
4	4469.214	6.73	33.55	41.85	48.41	46.84	68.20	-21.36 peak
5	11160.000	11.18	37.83	37.70	39.80	51.11	74.00	-22.89 peak
6	16740.000	14.51	42.39	40.41	36.34	52.83	68.20	-15.37 peak



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



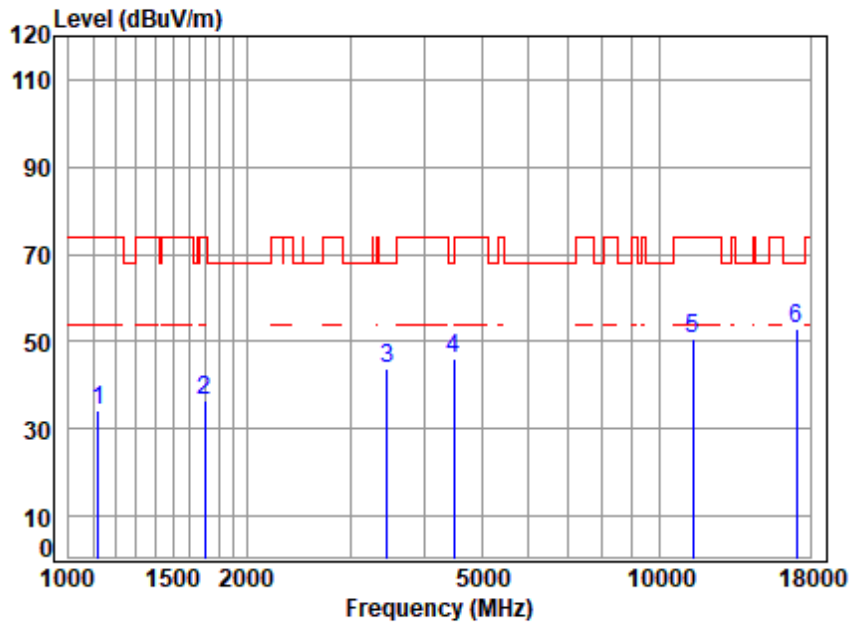
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5580 TX RSE  
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1138.904	2.65	24.31	39.71	46.35	33.60	74.00	-40.40 peak
2	1439.343	3.17	25.58	39.92	47.33	36.16	74.00	-37.84 peak
3	3366.778	5.35	31.50	40.98	46.99	42.86	68.20	-25.34 peak
4	4456.315	6.72	33.53	41.84	48.01	46.42	68.20	-21.78 peak
5	11160.000	11.18	37.83	37.70	40.04	51.35	74.00	-22.65 peak
6	16740.000	14.51	42.39	40.41	35.82	52.31	68.20	-15.89 peak



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



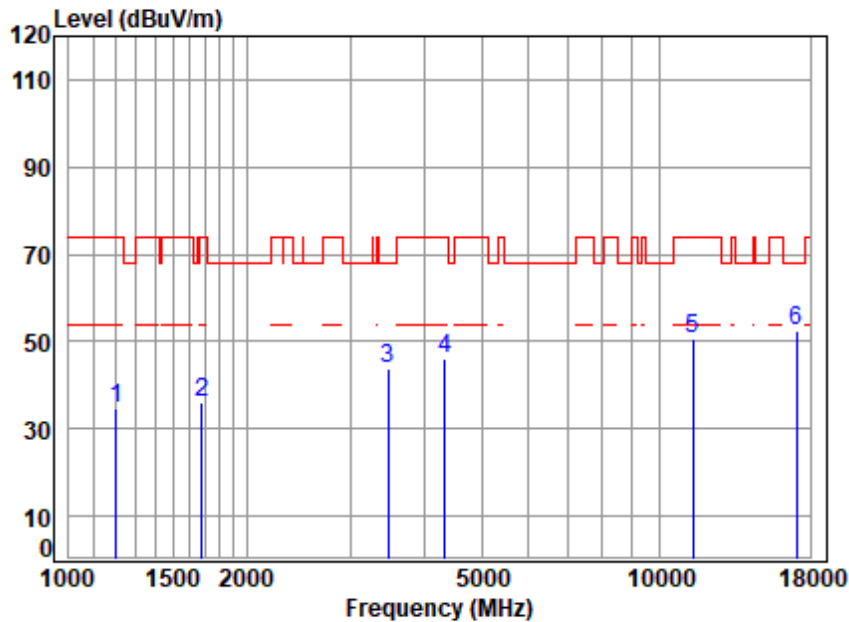
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5700 TX RSE  
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.563	2.62	24.23	39.70	47.25	34.40	74.00	-39.60 peak
2	1697.129	3.43	26.66	40.06	46.66	36.69	74.00	-37.31 peak
3	3465.510	5.48	31.65	41.05	47.75	43.83	68.20	-24.37 peak
4	4482.150	6.74	33.57	41.86	47.60	46.05	68.20	-22.15 peak
5	11400.000	11.50	37.88	37.82	39.02	50.58	74.00	-23.42 peak
6	17100.000	14.14	42.66	40.32	36.34	52.82	68.20	-15.38 peak



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



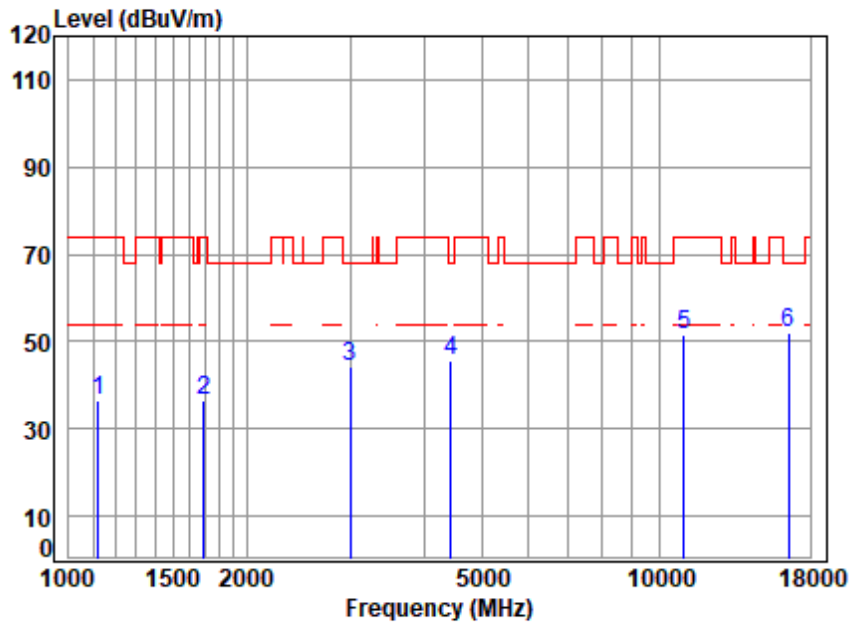
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5700 TX RSE  
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1203.199	2.77	24.60	39.76	47.20	34.81	74.00	-39.19	peak
2	1677.621	3.41	26.58	40.05	46.32	36.26	74.00	-37.74	peak
3	3475.541	5.49	31.66	41.06	47.69	43.78	68.20	-24.42	peak
4	4341.886	6.61	33.33	41.73	47.87	46.08	74.00	-27.92	peak
5	11400.000	11.50	37.88	37.82	38.90	50.46	74.00	-23.54	peak
6	17100.000	14.14	42.66	40.32	35.86	52.34	68.20	-15.86	peak



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



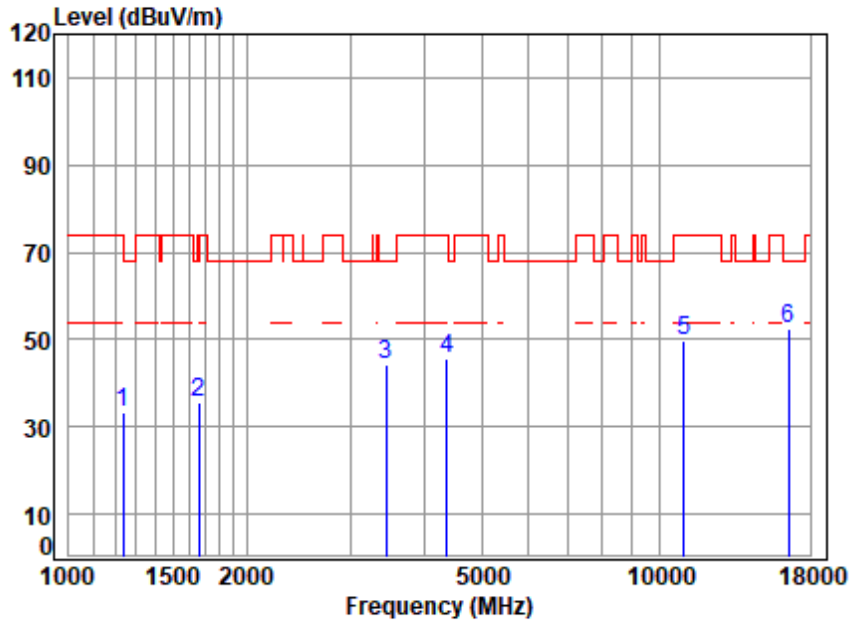
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5510 TX RSE  
 Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.563	2.62	24.23	39.70	49.19	36.34	74.00	-37.66 peak
2	1692.231	3.42	26.64	40.06	46.38	36.38	74.00	-37.62 peak
3	2999.187	4.86	30.90	40.70	49.24	44.30	68.20	-23.90 peak
4	4430.628	6.70	33.48	41.81	47.39	45.76	68.20	-22.44 peak
5	11020.000	11.00	37.80	37.63	40.31	51.48	74.00	-22.52 peak
6	16530.000	14.78	42.22	40.46	35.29	51.83	68.20	-16.37 peak



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



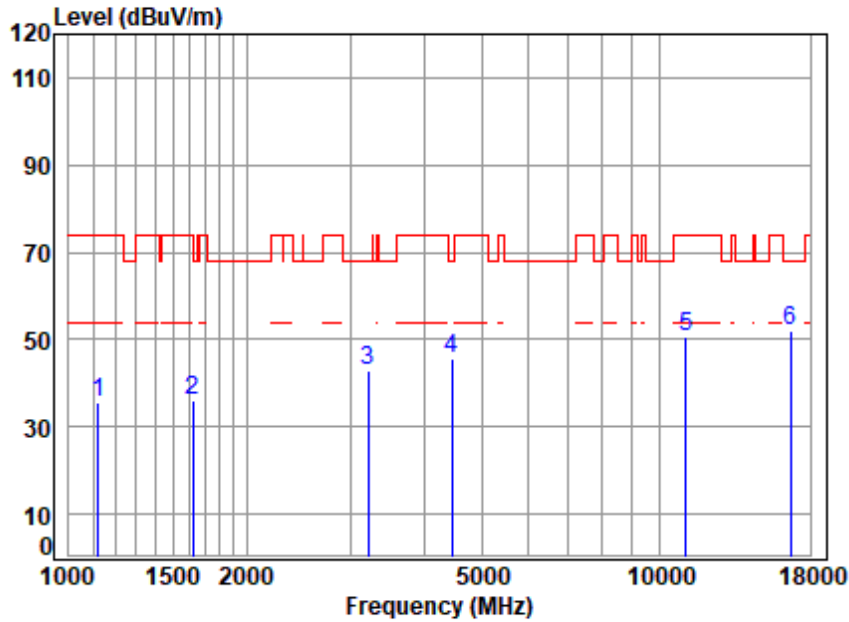
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5510 TX RSE  
 Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1234.909	2.83	24.74	39.78	45.65	33.44	74.00	-40.56	peak
2	1658.337	3.40	26.50	40.04	45.84	35.70	68.20	-32.50	peak
3	3445.535	5.45	31.62	41.04	48.44	44.47	68.20	-23.73	peak
4	4367.058	6.64	33.37	41.75	47.48	45.74	74.00	-28.26	peak
5	11020.000	11.00	37.80	37.63	38.53	49.70	74.00	-24.30	peak
6	16530.000	14.78	42.22	40.46	36.13	52.67	68.20	-15.53	peak



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



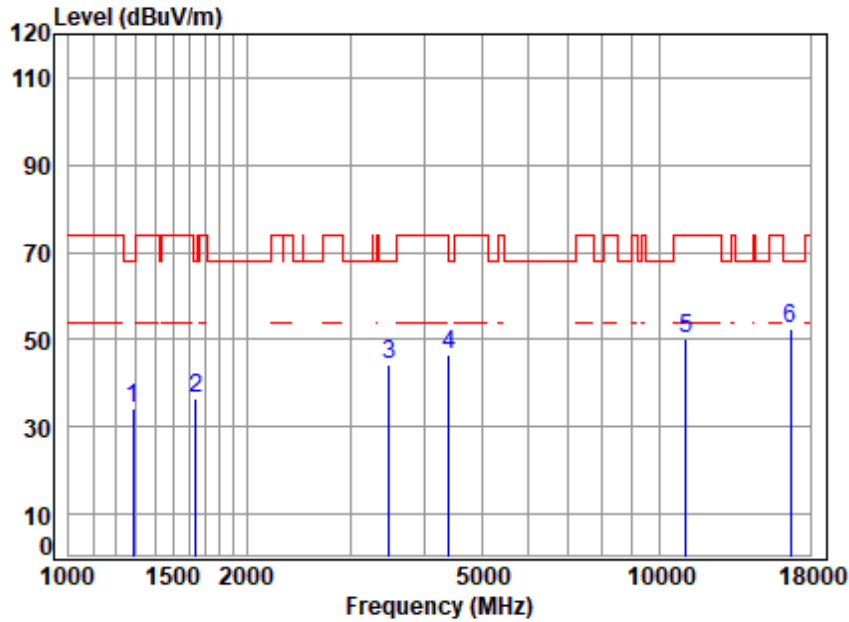
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5550 TX RSE  
 Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.563	2.62	24.23	39.70	48.27	35.42	74.00	-38.58 peak
2	1625.121	3.37	26.36	40.02	46.56	36.27	74.00	-37.73 peak
3	3214.623	5.16	31.26	40.87	47.33	42.88	68.20	-25.32 peak
4	4456.315	6.72	33.53	41.84	47.15	45.56	68.20	-22.64 peak
5	11100.000	11.10	37.82	37.67	39.43	50.68	74.00	-23.32 peak
6	16650.000	14.62	42.32	40.43	35.42	51.93	68.20	-16.27 peak





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



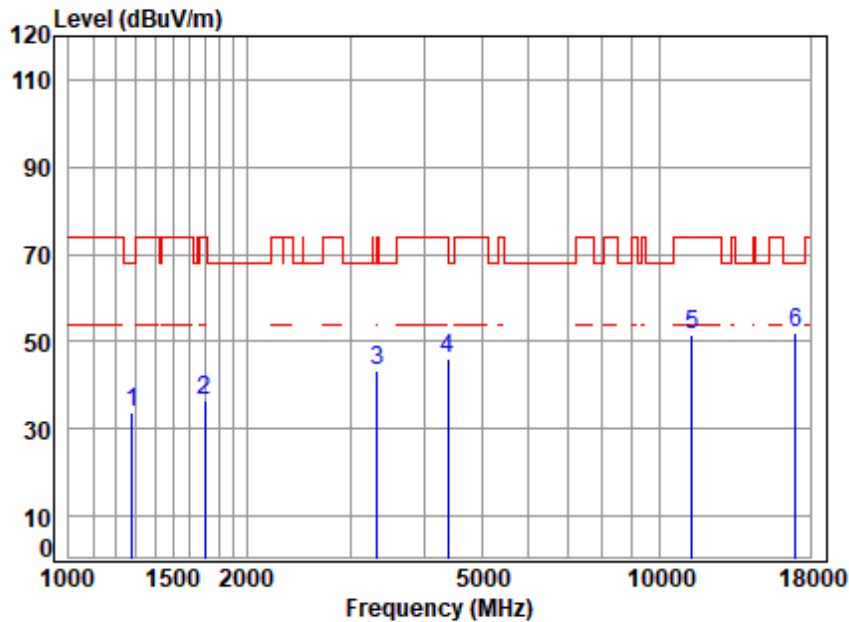
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5550 TX RSE  
 Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1285.904	2.92	24.96	39.82	46.01	34.07	68.20	-34.13	peak
2	1644.019	3.38	26.44	40.03	46.55	36.34	68.20	-31.86	peak
3	3485.601	5.50	31.68	41.07	48.12	44.23	68.20	-23.97	peak
4	4405.090	6.67	33.44	41.79	48.12	46.44	68.20	-21.76	peak
5	11100.000	11.10	37.82	37.67	38.95	50.20	74.00	-23.80	peak
6	16650.000	14.62	42.32	40.43	35.81	52.32	68.20	-15.88	peak



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



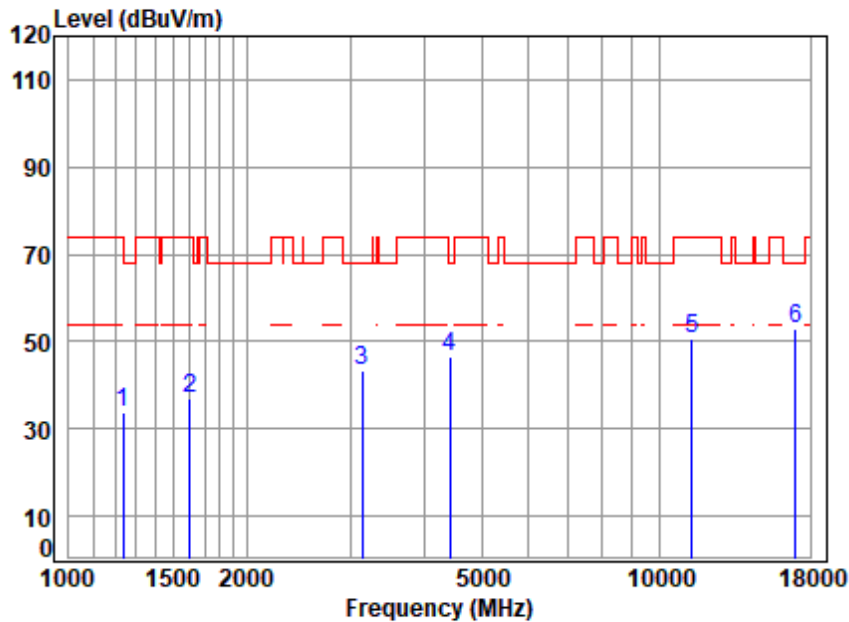
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5670 TX RSE  
 Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1282.193	2.91	24.95	39.82	45.88	33.92	68.20	-34.28 peak
2	1697.129	3.43	26.66	40.06	46.47	36.50	74.00	-37.50 peak
3	3328.077	5.30	31.44	40.95	47.48	43.27	68.20	-24.93 peak
4	4392.376	6.66	33.42	41.78	47.75	46.05	74.00	-27.95 peak
5	11340.000	11.42	37.87	37.79	39.87	51.37	74.00	-22.63 peak
6	17010.000	14.17	42.61	40.34	35.58	52.02	68.20	-16.18 peak



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



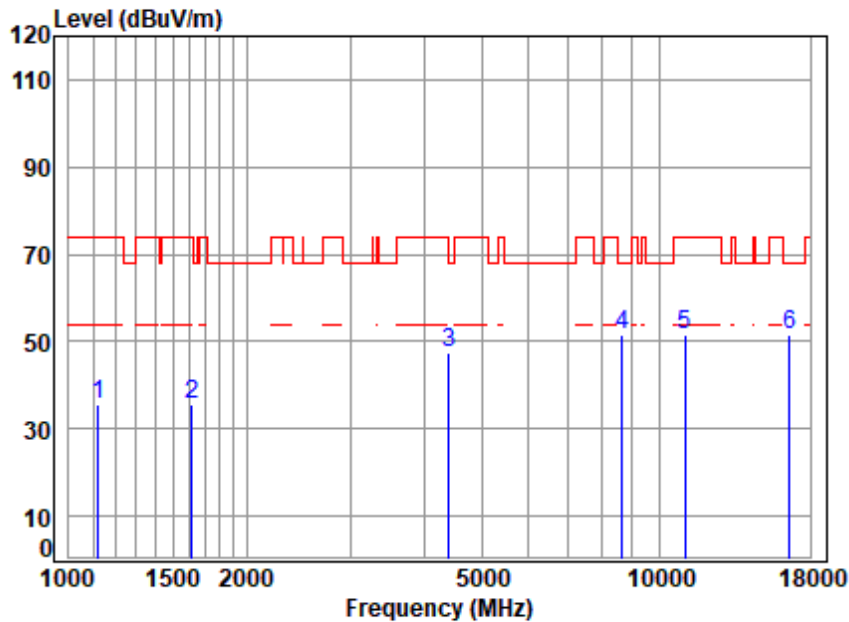
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5670 TX RSE  
 Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1238.483	2.83	24.76	39.79	45.79	33.59	74.00	-40.41	peak
2	1601.804	3.35	26.26	40.01	47.42	37.02	74.00	-36.98	peak
3	3141.145	5.06	31.14	40.81	47.80	43.19	68.20	-25.01	peak
4	4417.841	6.68	33.46	41.80	48.03	46.37	68.20	-21.83	peak
5	11340.000	11.42	37.87	37.79	39.20	50.70	74.00	-23.30	peak
6	17010.000	14.17	42.61	40.34	36.39	52.83	68.20	-15.37	peak



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



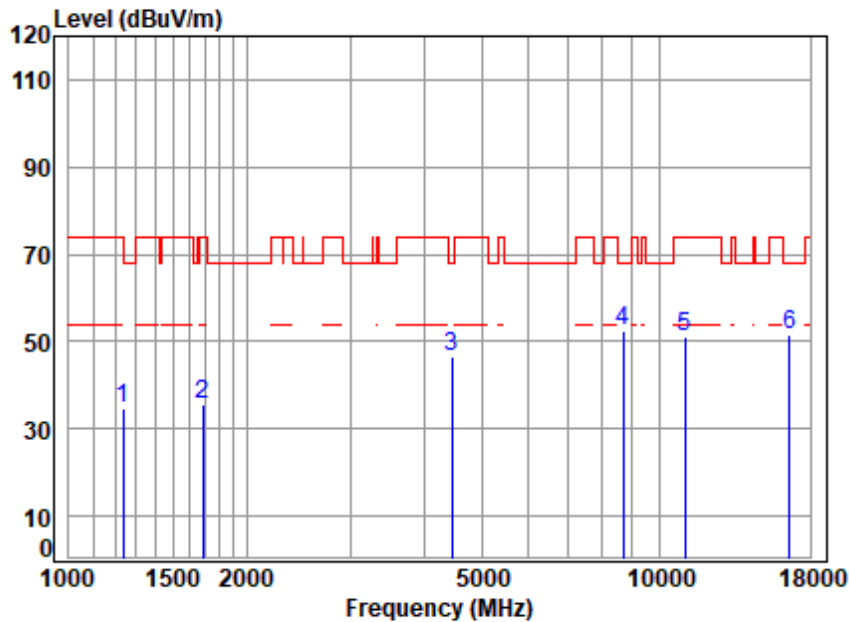
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5530 TX RSE  
 Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.563	2.62	24.23	39.70	48.47	35.62	74.00	-38.38 peak
2	1615.754	3.36	26.32	40.02	45.96	35.62	74.00	-38.38 peak
3	4405.090	6.67	33.44	41.79	49.20	47.52	68.20	-20.68 peak
4	8663.404	10.17	37.07	39.48	43.79	51.55	68.20	-16.65 peak
5	11060.000	11.05	37.81	37.65	40.55	51.76	74.00	-22.24 peak
6	16590.000	14.70	42.27	40.45	35.06	51.58	68.20	-16.62 peak



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



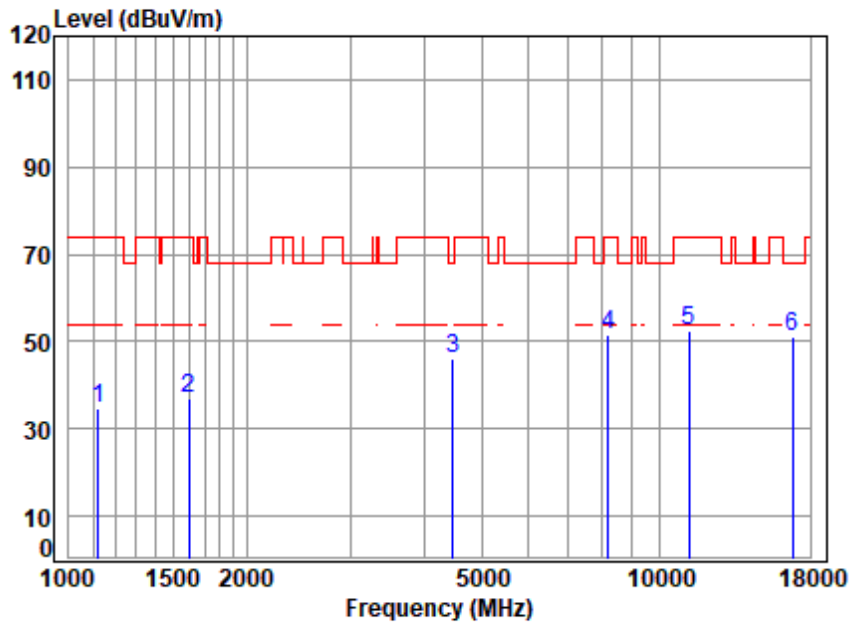
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5530 TX RSE  
 Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1238.483	2.83	24.76	39.79	46.75	34.55	74.00	-39.45	peak
2	1687.347	3.42	26.62	40.05	45.78	35.77	74.00	-38.23	peak
3	4456.315	6.72	33.53	41.84	48.08	46.49	68.20	-21.71	peak
4	8688.480	10.18	37.08	39.43	44.49	52.32	68.20	-15.88	peak
5	11060.000	11.05	37.81	37.65	40.08	51.29	74.00	-22.71	peak
6	16590.000	14.70	42.27	40.45	35.20	51.72	68.20	-16.48	peak



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



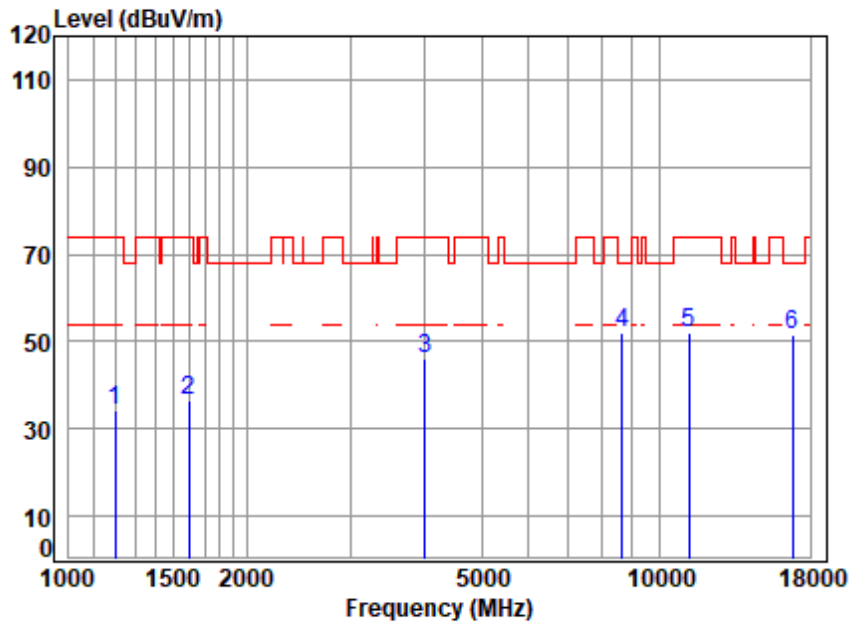
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5610 TX RSE  
 Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.563	2.62	24.23	39.70	47.72	34.87	74.00	-39.13 peak
2	1597.181	3.35	26.24	40.01	47.25	36.83	74.00	-37.17 peak
3	4469.214	6.73	33.55	41.85	47.63	46.06	68.20	-22.14 peak
4	8200.463	9.70	36.82	40.39	45.43	51.56	74.00	-22.44 peak
5	11220.000	11.26	37.84	37.73	41.29	52.66	74.00	-21.34 peak
6	16830.000	14.39	42.47	40.39	34.56	51.03	68.20	-17.17 peak



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



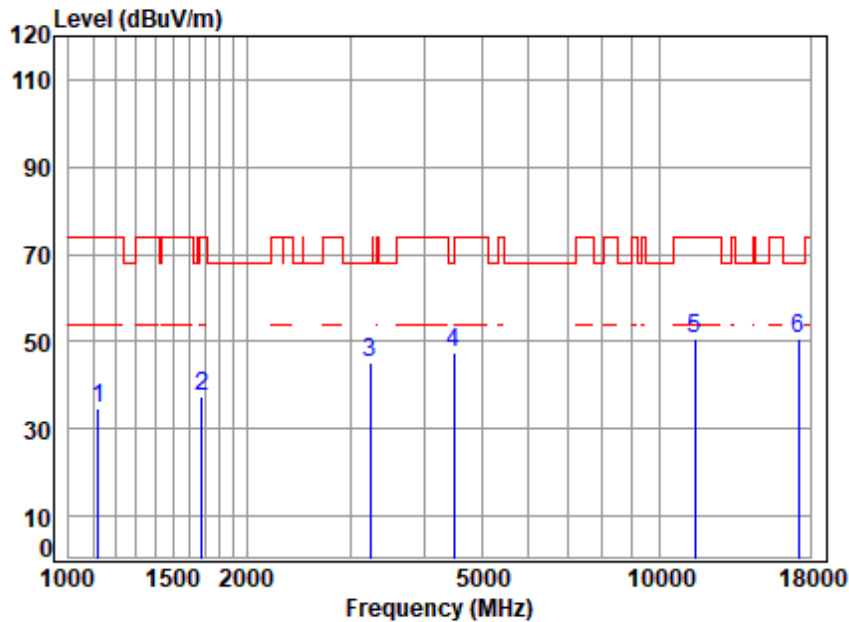
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5610 TX RSE  
 Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1199.726	2.76	24.59	39.76	46.50	34.09	74.00	-39.91 peak
2	1597.181	3.35	26.24	40.01	47.06	36.64	74.00	-37.36 peak
3	4004.339	6.28	32.71	41.40	48.50	46.09	74.00	-27.91 peak
4	8663.404	10.17	37.07	39.48	44.28	52.04	68.20	-16.16 peak
5	11220.000	11.26	37.84	37.73	40.63	52.00	74.00	-22.00 peak
6	16830.000	14.39	42.47	40.39	35.23	51.70	68.20	-16.50 peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5745 TX RSE  
 Note : 5G WIFI 11A

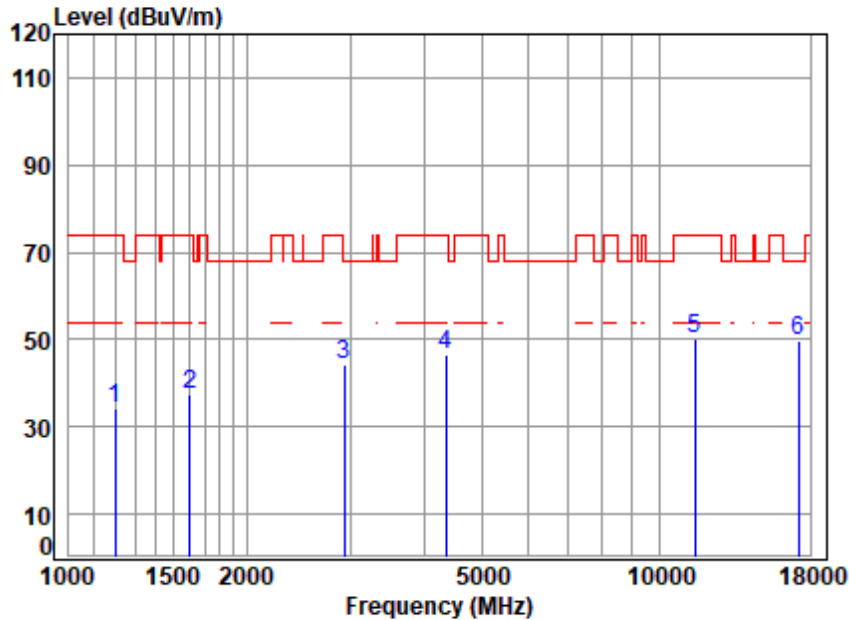
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.563	2.62	24.23	39.70	47.61	34.76	74.00	-39.24 peak
2	1677.621	3.41	26.58	40.05	47.45	37.39	74.00	-36.61 peak
3	3242.619	5.19	31.30	40.89	49.40	45.00	68.20	-23.20 peak
4	4482.150	6.74	33.57	41.86	48.87	47.32	68.20	-20.88 peak
5	11490.000	11.62	37.90	37.86	39.14	50.80	74.00	-23.20 peak
6	17235.000	14.09	42.74	40.28	34.27	50.82	68.20	-17.38 peak



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



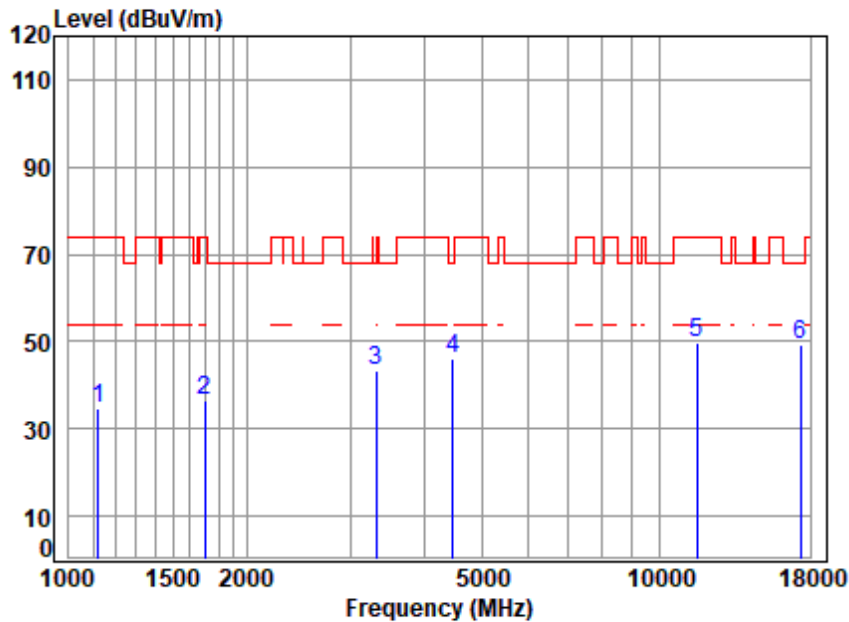
Site : chamber  
Condition: 3m VERTICAL  
Job No : 02038CR  
Mode : 5745 TX RSE  
Note : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1199.726	2.76	24.59	39.76	46.74	34.33	74.00	-39.67 peak
2	1601.804	3.35	26.26	40.01	47.69	37.29	74.00	-36.71 peak
3	2930.633	4.82	30.62	40.67	49.38	44.15	68.20	-24.05 peak
4	4354.454	6.63	33.35	41.74	48.29	46.53	74.00	-27.47 peak
5	11490.000	11.62	37.90	37.86	38.72	50.38	74.00	-23.62 peak
6	17235.000	14.09	42.74	40.28	33.22	49.77	68.20	-18.43 peak



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



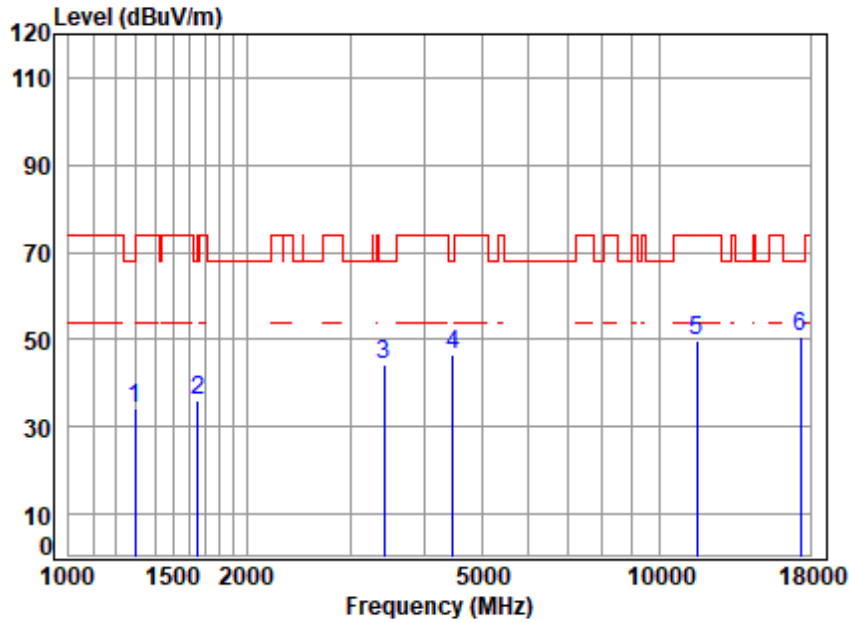
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5785 TX RSE  
 Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.563	2.62	24.23	39.70	47.41	34.56	74.00	-39.44 peak
2	1697.129	3.43	26.66	40.06	46.53	36.56	74.00	-37.44 peak
3	3318.471	5.29	31.42	40.95	47.42	43.18	68.20	-25.02 peak
4	4469.214	6.73	33.55	41.85	47.88	46.31	68.20	-21.89 peak
5	11570.000	11.72	37.87	37.90	38.24	49.93	74.00	-24.07 peak
6	17355.000	14.06	42.81	40.25	32.48	49.10	68.20	-19.10 peak



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



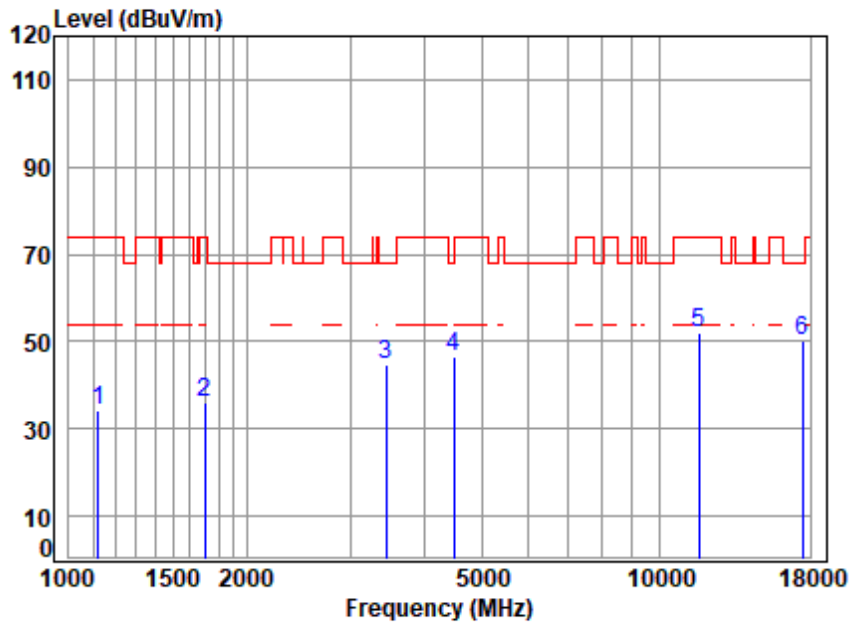
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5785 TX RSE  
 Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1297.103	2.94	25.01	39.83	46.22	34.34	68.20	-33.86	peak
2	1653.550	3.39	26.48	40.04	46.44	36.27	68.20	-31.93	peak
3	3425.675	5.43	31.59	41.02	48.24	44.24	68.20	-23.96	peak
4	4469.214	6.73	33.55	41.85	48.12	46.55	68.20	-21.65	peak
5	11570.000	11.72	37.87	37.90	37.95	49.64	74.00	-24.36	peak
6	17355.000	14.06	42.81	40.25	33.89	50.51	68.20	-17.69	peak



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



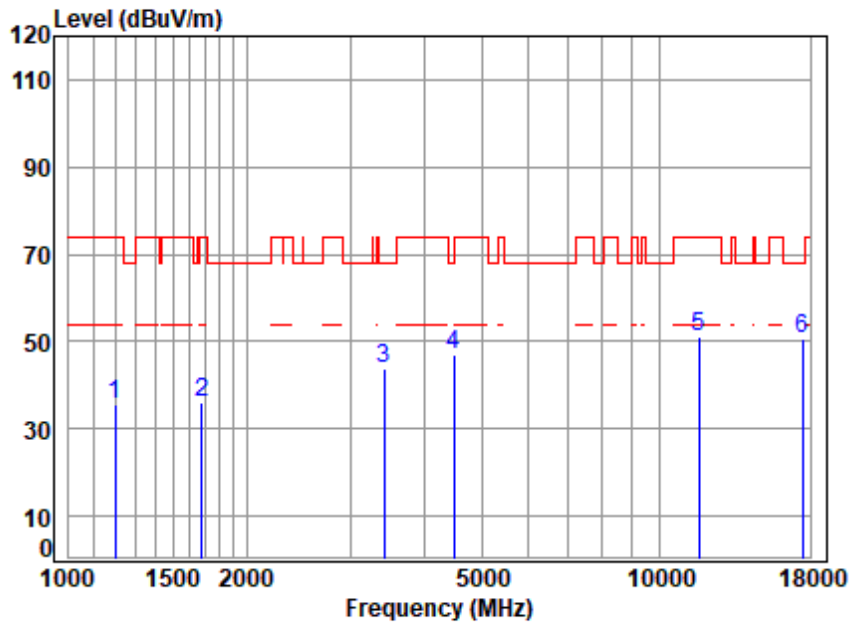
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5825 TX RSE  
 Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.563	2.62	24.23	39.70	47.06	34.21	74.00	-39.79 peak
2	1702.042	3.43	26.68	40.06	46.20	36.25	74.00	-37.75 peak
3	3445.535	5.45	31.62	41.04	48.56	44.59	68.20	-23.61 peak
4	4482.150	6.74	33.57	41.86	47.91	46.36	68.20	-21.84 peak
5	11650.000	11.82	37.84	37.94	40.19	51.91	74.00	-22.09 peak
6	17475.000	14.02	42.89	40.23	33.66	50.34	68.20	-17.86 peak



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



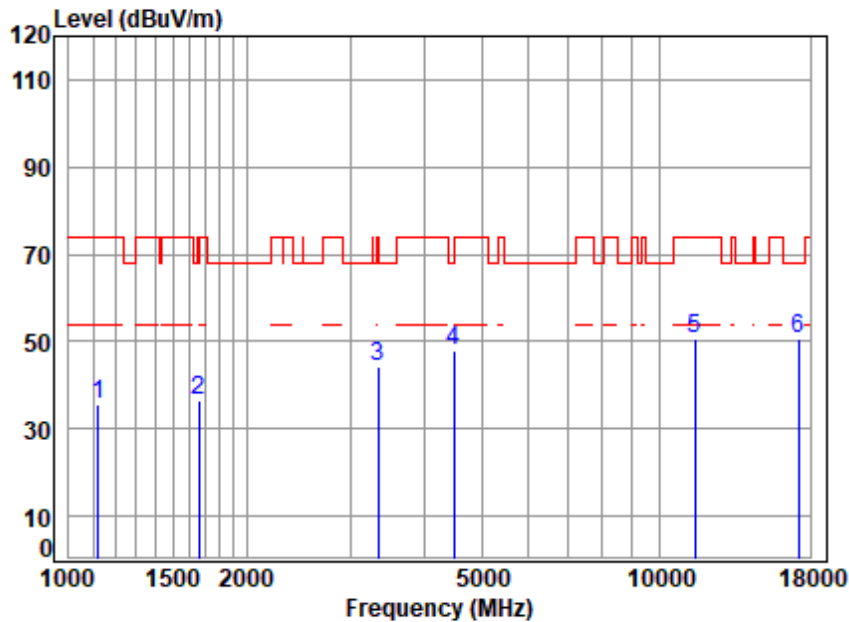
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5825 TX RSE  
 Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1199.726	2.76	24.59	39.76	47.99	35.58	74.00	-38.42 peak
2	1682.477	3.42	26.60	40.05	46.16	36.13	74.00	-37.87 peak
3	3425.675	5.43	31.59	41.02	47.84	43.84	68.20	-24.36 peak
4	4482.150	6.74	33.57	41.86	48.65	47.10	68.20	-21.10 peak
5	11650.000	11.82	37.84	37.94	39.58	51.30	74.00	-22.70 peak
6	17475.000	14.02	42.89	40.23	34.17	50.85	68.20	-17.35 peak



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



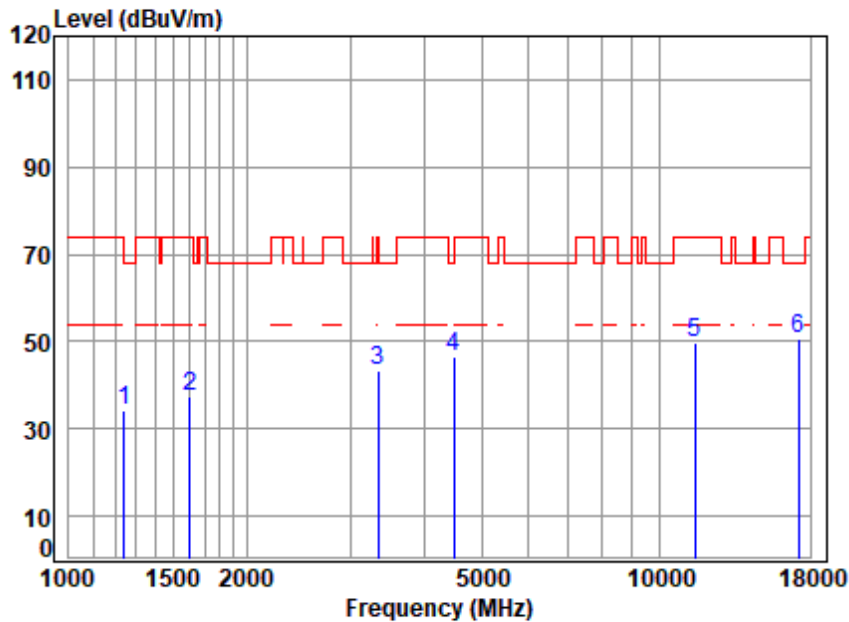
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5745 TX RSE  
 Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.563	2.62	24.23	39.70	48.29	35.44	74.00	-38.56 peak
2	1663.137	3.40	26.52	40.04	46.82	36.70	74.00	-37.30 peak
3	3337.710	5.32	31.45	40.96	48.59	44.40	74.00	-29.60 peak
4	4495.125	6.76	33.59	41.87	49.34	47.82	68.20	-20.38 peak
5	11490.000	11.62	37.90	37.86	39.07	50.73	74.00	-23.27 peak
6	17235.000	14.09	42.74	40.28	34.15	50.70	68.20	-17.50 peak



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



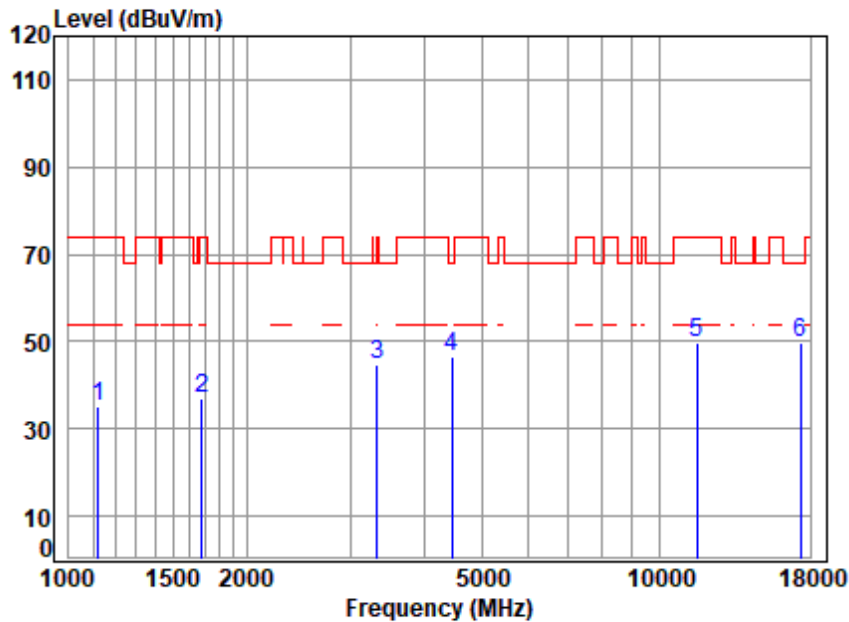
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5745 TX RSE  
 Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1242.068	2.84	24.78	39.79	46.39	34.22	68.20	-33.98	peak
2	1601.804	3.35	26.26	40.01	47.67	37.27	74.00	-36.73	peak
3	3337.710	5.32	31.45	40.96	47.60	43.41	74.00	-30.59	peak
4	4482.150	6.74	33.57	41.86	48.01	46.46	68.20	-21.74	peak
5	11490.000	11.62	37.90	37.86	37.94	49.60	74.00	-24.40	peak
6	17235.000	14.09	42.74	40.28	34.24	50.79	68.20	-17.41	peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5785 TX RSE  
 Note : 5G WIFI 11N20

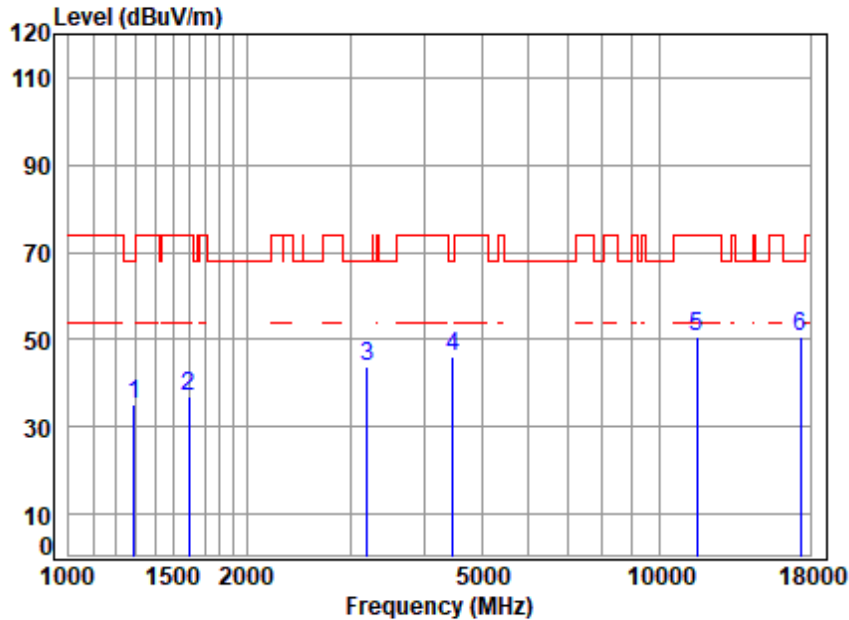
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.563	2.62	24.23	39.70	47.90	35.05	74.00	-38.95 peak
2	1677.621	3.41	26.58	40.05	46.84	36.78	74.00	-37.22 peak
3	3328.077	5.30	31.44	40.95	48.97	44.76	68.20	-23.44 peak
4	4456.315	6.72	33.53	41.84	48.27	46.68	68.20	-21.52 peak
5	11570.000	11.72	37.87	37.90	38.15	49.84	74.00	-24.16 peak
6	17355.000	14.06	42.81	40.25	33.29	49.91	68.20	-18.29 peak



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



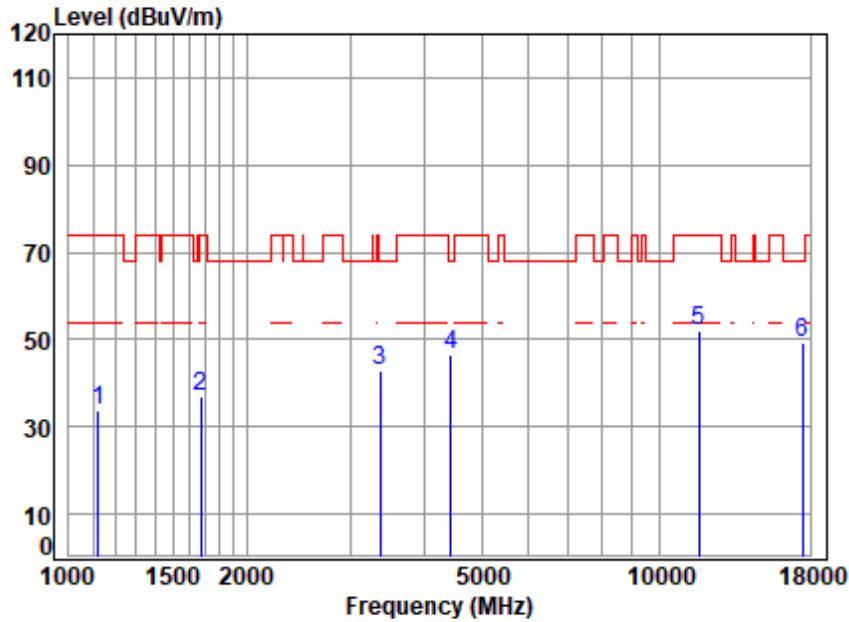
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5785 TX RSE  
 Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1289.627	2.92	24.98	39.82	47.24	35.32	68.20	-32.88 peak
2	1597.181	3.35	26.24	40.01	47.39	36.97	74.00	-37.03 peak
3	3196.094	5.13	31.23	40.85	48.08	43.59	68.20	-24.61 peak
4	4469.214	6.73	33.55	41.85	47.75	46.18	68.20	-22.02 peak
5	11570.000	11.72	37.87	37.90	38.88	50.57	74.00	-23.43 peak
6	17355.000	14.06	42.81	40.25	34.01	50.63	68.20	-17.57 peak



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



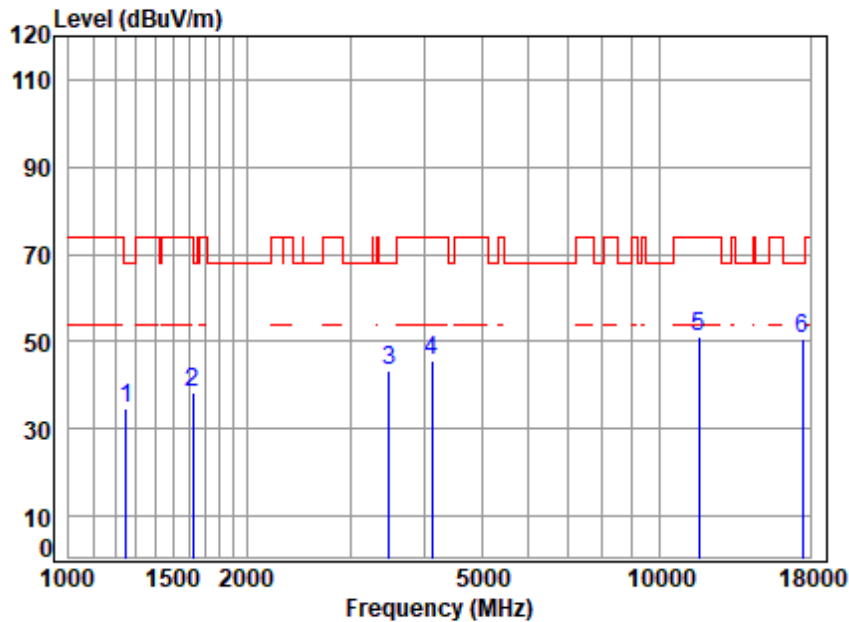
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5825 TX RSE  
 Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.563	2.62	24.23	39.70	46.68	33.83	74.00	-40.17 peak
2	1672.779	3.41	26.56	40.05	47.16	37.08	74.00	-36.92 peak
3	3366.778	5.35	31.50	40.98	47.18	43.05	68.20	-25.15 peak
4	4443.453	6.71	33.50	41.82	47.99	46.38	68.20	-21.82 peak
5	11650.000	11.82	37.84	37.94	40.24	51.96	74.00	-22.04 peak
6	17475.000	14.02	42.89	40.23	32.80	49.48	68.20	-18.72 peak



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



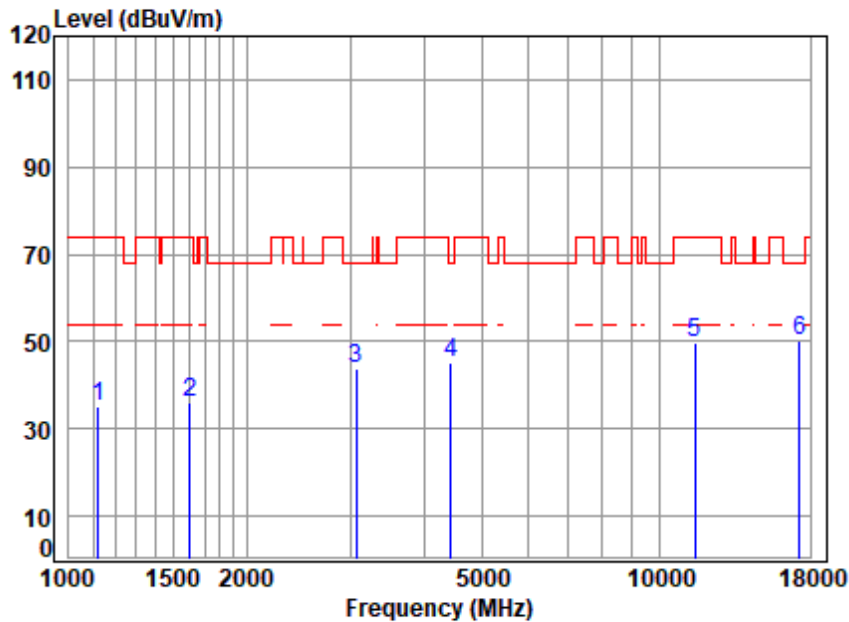
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5825 TX RSE  
 Note : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1249.269	2.85	24.81	39.79	46.73	34.60	68.20	-33.60 peak
2	1625.121	3.37	26.36	40.02	48.59	38.30	74.00	-35.70 peak
3	3485.601	5.50	31.68	41.07	47.03	43.14	68.20	-25.06 peak
4	4121.768	6.40	32.93	41.52	47.77	45.58	74.00	-28.42 peak
5	11650.000	11.82	37.84	37.94	39.20	50.92	74.00	-23.08 peak
6	17475.000	14.02	42.89	40.23	34.05	50.73	68.20	-17.47 peak



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



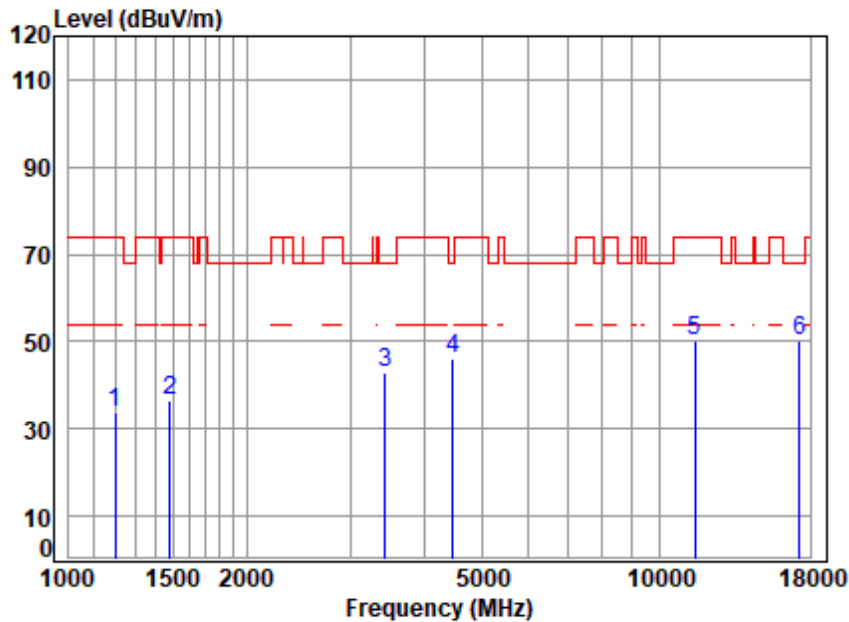
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5755 TX RSE  
 Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1122.563	2.62	24.23	39.70	47.90	35.05	74.00	-38.95	peak
2	1606.441	3.35	26.28	40.01	46.34	35.96	74.00	-38.04	peak
3	3069.345	4.96	31.02	40.76	48.39	43.61	68.20	-24.59	peak
4	4443.453	6.71	33.50	41.82	46.93	45.32	68.20	-22.88	peak
5	11510.000	11.64	37.90	37.87	38.27	49.94	74.00	-24.06	peak
6	17265.000	14.08	42.76	40.28	33.65	50.21	68.20	-17.99	peak



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



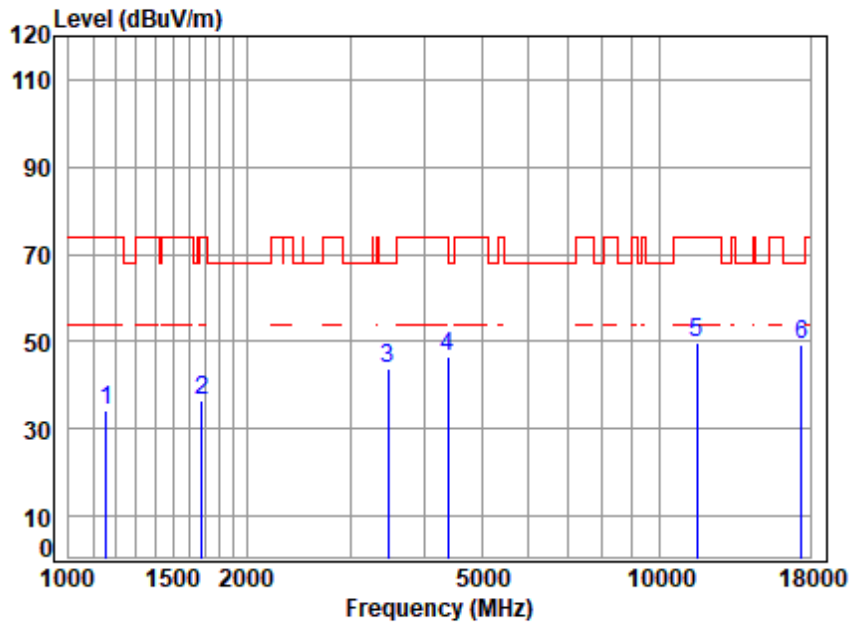
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5755 TX RSE  
 Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1199.726	2.76	24.59	39.76	46.00	33.59	74.00	-40.41	peak
2	1481.553	3.23	25.73	39.94	47.59	36.61	74.00	-37.39	peak
3	3435.590	5.44	31.60	41.03	46.69	42.70	68.20	-25.50	peak
4	4469.214	6.73	33.55	41.85	47.52	45.95	68.20	-22.25	peak
5	11510.000	11.64	37.90	37.87	38.61	50.28	74.00	-23.72	peak
6	17265.000	14.08	42.76	40.28	33.69	50.25	68.20	-17.95	peak



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

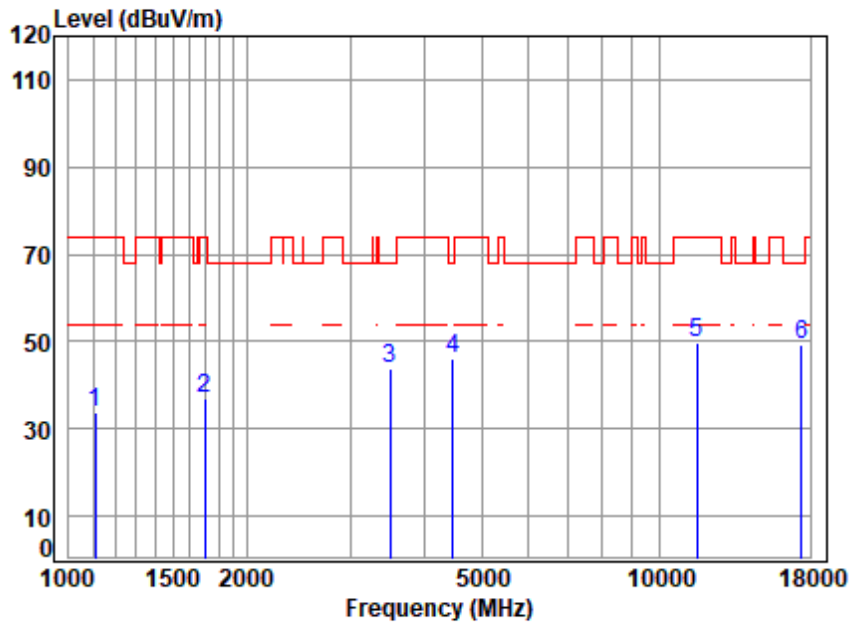


Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5795 TX RSE  
 Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1158.828	2.69	24.40	39.73	46.75	34.11	74.00	-39.89 peak
2	1682.477	3.42	26.60	40.05	46.51	36.48	74.00	-37.52 peak
3	3475.541	5.49	31.66	41.06	47.82	43.91	68.20	-24.29 peak
4	4392.376	6.66	33.42	41.78	48.16	46.46	74.00	-27.54 peak
5	11590.000	11.74	37.86	37.91	37.88	49.57	74.00	-24.43 peak
6	17385.000	14.05	42.83	40.25	32.80	49.43	68.20	-18.77 peak



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



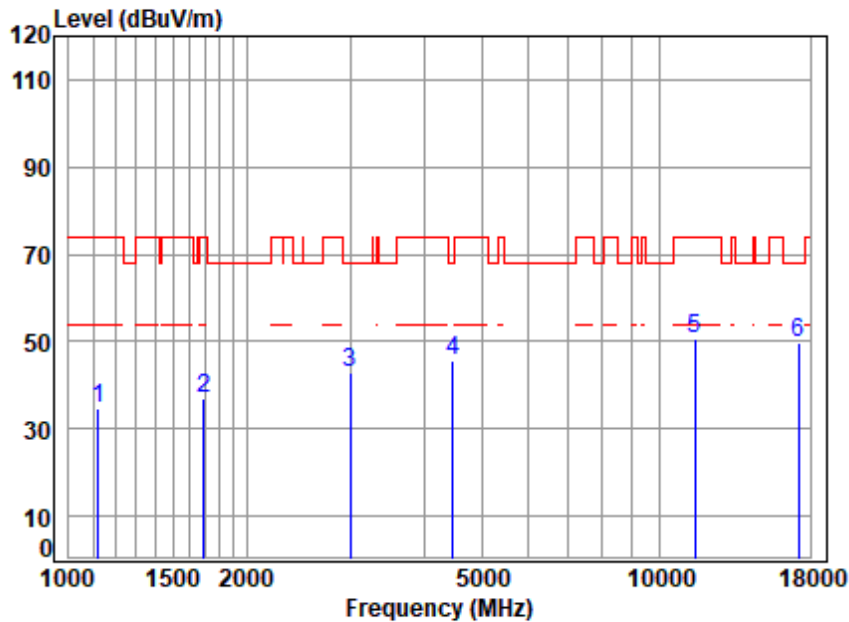
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5795 TX RSE  
 Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1109.660	2.59	24.16	39.69	46.54	33.60	74.00	-40.40	peak
2	1702.042	3.43	26.68	40.06	46.96	37.01	74.00	-36.99	peak
3	3495.691	5.51	31.69	41.07	47.73	43.86	68.20	-24.34	peak
4	4469.214	6.73	33.55	41.85	47.55	45.98	68.20	-22.22	peak
5	11590.000	11.74	37.86	37.91	37.83	49.52	74.00	-24.48	peak
6	17385.000	14.05	42.83	40.25	32.43	49.06	68.20	-19.14	peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5745 TX RSE  
 Note : 5G WIFI 11AC20

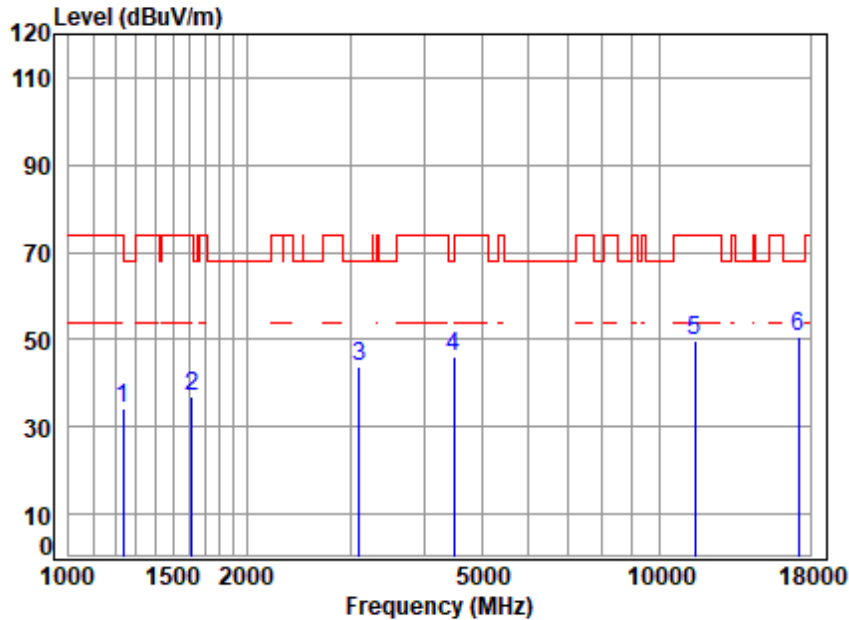
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1122.563	2.62	24.23	39.70	47.64	34.79	74.00	-39.21	peak
2	1692.231	3.42	26.64	40.06	46.90	36.90	74.00	-37.10	peak
3	2999.187	4.86	30.90	40.70	47.99	43.05	68.20	-25.15	peak
4	4469.214	6.73	33.55	41.85	47.41	45.84	68.20	-22.36	peak
5	11490.000	11.62	37.90	37.86	39.05	50.71	74.00	-23.29	peak
6	17235.000	14.09	42.74	40.28	33.28	49.83	68.20	-18.37	peak



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



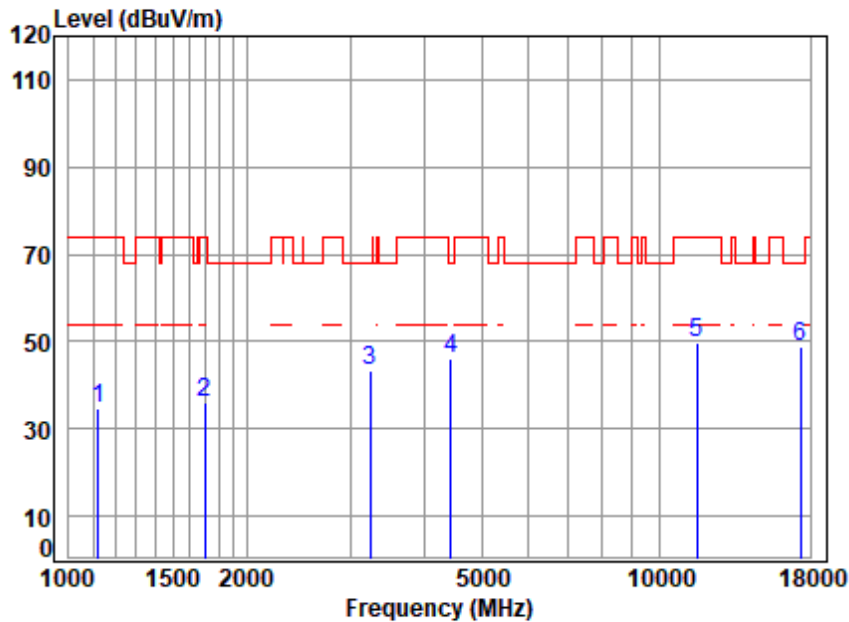
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5745 TX RSE  
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1238.483	2.83	24.76	39.79	46.30	34.10	74.00	-39.90 peak
2	1615.754	3.36	26.32	40.02	47.21	36.87	74.00	-37.13 peak
3	3105.037	5.01	31.08	40.78	48.61	43.92	68.20	-24.28 peak
4	4495.125	6.76	33.59	41.87	47.50	45.98	68.20	-22.22 peak
5	11490.000	11.62	37.90	37.86	38.06	49.72	74.00	-24.28 peak
6	17235.000	14.09	42.74	40.28	34.09	50.64	68.20	-17.56 peak



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



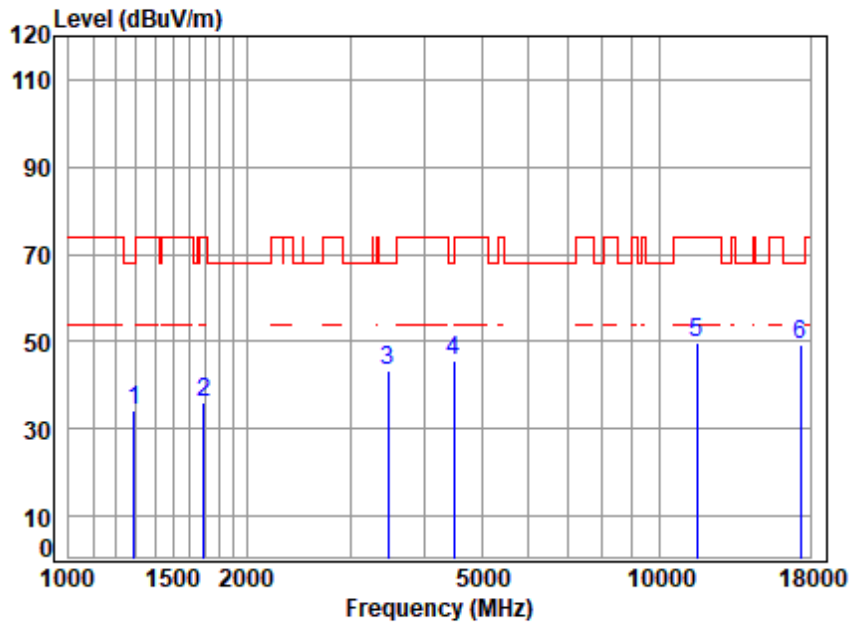
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5785 TX RSE  
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.563	2.62	24.23	39.70	47.38	34.53	74.00	-39.47 peak
2	1697.129	3.43	26.66	40.06	46.24	36.27	74.00	-37.73 peak
3	3233.260	5.18	31.29	40.88	47.95	43.54	68.20	-24.66 peak
4	4430.628	6.70	33.48	41.81	47.63	46.00	68.20	-22.20 peak
5	11570.000	11.72	37.87	37.90	38.11	49.80	74.00	-24.20 peak
6	17355.000	14.06	42.81	40.25	32.30	48.92	68.20	-19.28 peak



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



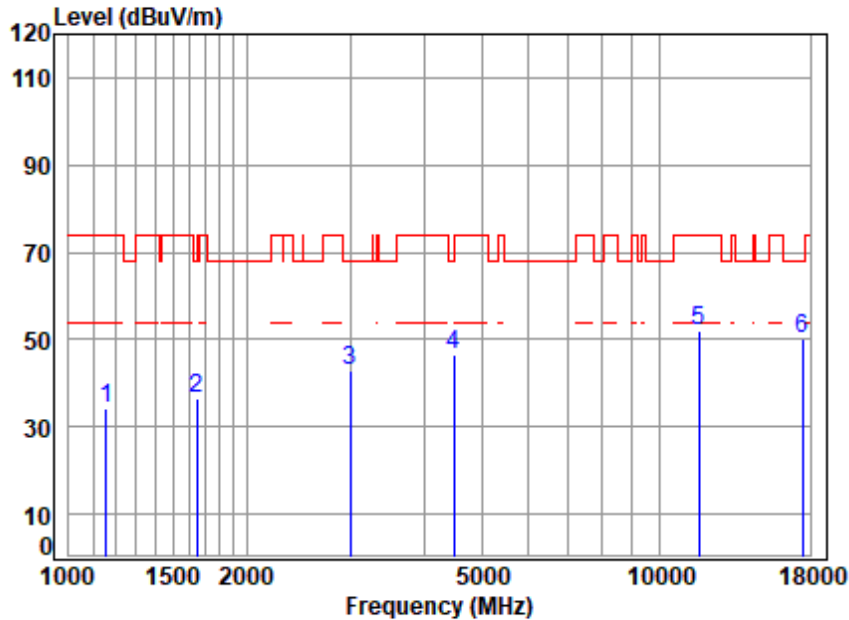
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5785 TX RSE  
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1289.627	2.92	24.98	39.82	46.15	34.23	68.20	-33.97	peak
2	1692.231	3.42	26.64	40.06	46.04	36.04	74.00	-37.96	peak
3	3475.541	5.49	31.66	41.06	47.22	43.31	68.20	-24.89	peak
4	4495.125	6.76	33.59	41.87	47.29	45.77	68.20	-22.43	peak
5	11570.000	11.72	37.87	37.90	37.94	49.63	74.00	-24.37	peak
6	17355.000	14.06	42.81	40.25	32.51	49.13	68.20	-19.07	peak



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



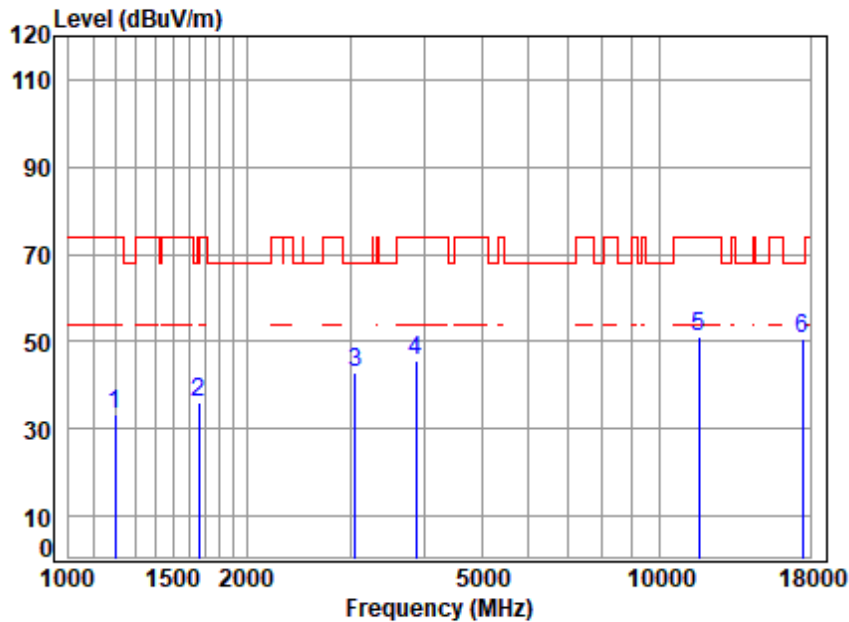
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5825 TX RSE  
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1158.828	2.69	24.40	39.73	46.87	34.23	74.00	-39.77	peak
2	1648.778	3.39	26.46	40.03	46.74	36.56	68.20	-31.64	peak
3	2999.187	4.86	30.90	40.70	48.04	43.10	68.20	-25.10	peak
4	4482.150	6.74	33.57	41.86	48.29	46.74	68.20	-21.46	peak
5	11650.000	11.82	37.84	37.94	40.36	52.08	74.00	-21.92	peak
6	17475.000	14.02	42.89	40.23	33.43	50.11	68.20	-18.09	peak



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



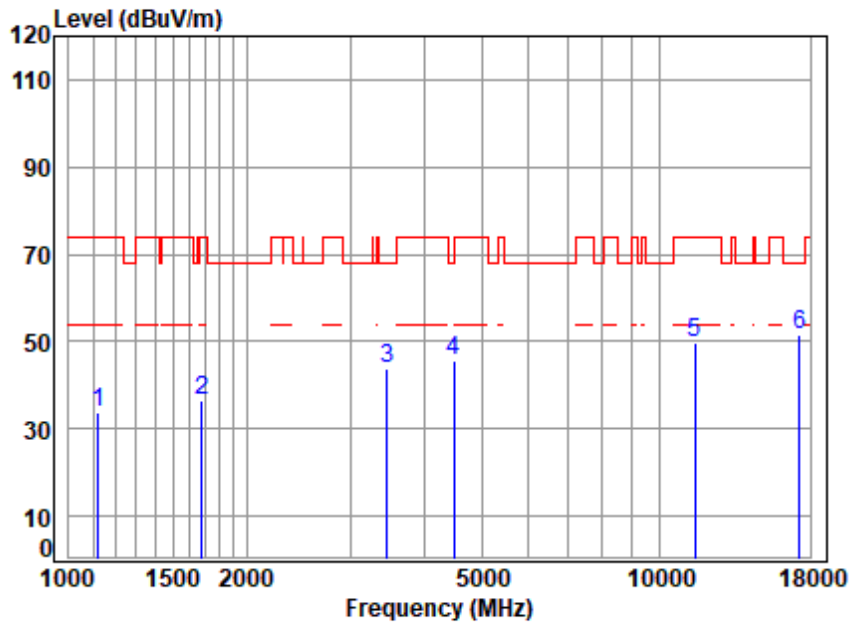
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5825 TX RSE  
 Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1199.726	2.76	24.59	39.76	45.91	33.50	74.00	-40.50 peak
2	1663.137	3.40	26.52	40.04	46.17	36.05	74.00	-37.95 peak
3	3051.653	4.93	30.99	40.74	47.89	43.07	68.20	-25.13 peak
4	3879.027	6.11	32.47	41.33	48.57	45.82	74.00	-28.18 peak
5	11650.000	11.82	37.84	37.94	39.47	51.19	74.00	-22.81 peak
6	17475.000	14.02	42.89	40.23	33.96	50.64	68.20	-17.56 peak



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



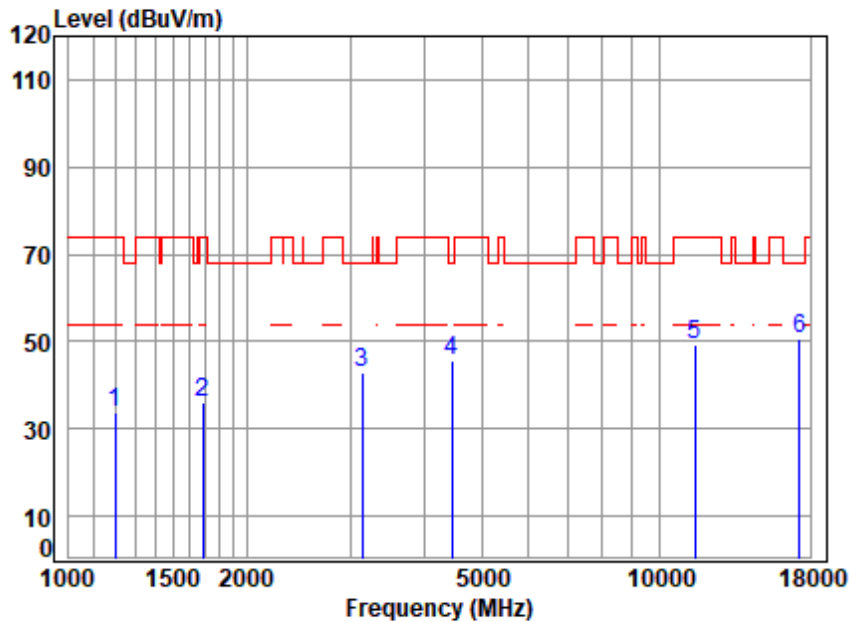
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5755 TX RSE  
 Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1122.563	2.62	24.23	39.70	46.68	33.83	74.00	-40.17 peak
2	1677.621	3.41	26.58	40.05	46.71	36.65	74.00	-37.35 peak
3	3465.510	5.48	31.65	41.05	47.88	43.96	68.20	-24.24 peak
4	4495.125	6.76	33.59	41.87	47.32	45.80	68.20	-22.40 peak
5	11510.000	11.64	37.90	37.87	37.92	49.59	74.00	-24.41 peak
6	17265.000	14.08	42.76	40.28	34.87	51.43	68.20	-16.77 peak



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



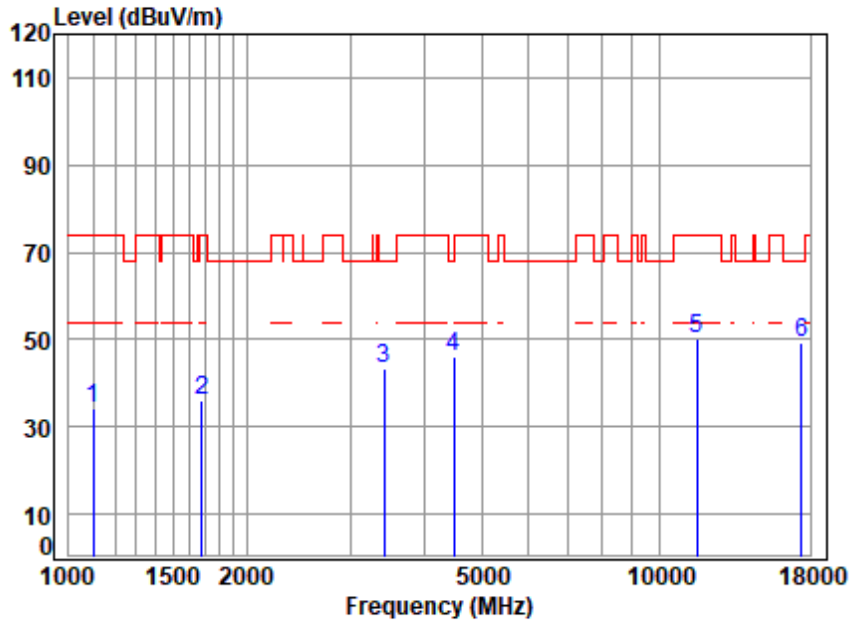
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5755 TX RSE  
 Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1199.726	2.76	24.59	39.76	46.36	33.95	74.00	-40.05 peak
2	1687.347	3.42	26.62	40.05	45.89	35.88	74.00	-38.12 peak
3	3141.145	5.06	31.14	40.81	47.55	42.94	68.20	-25.26 peak
4	4456.315	6.72	33.53	41.84	47.39	45.80	68.20	-22.40 peak
5	11510.000	11.64	37.90	37.87	37.69	49.36	74.00	-24.64 peak
6	17265.000	14.08	42.76	40.28	34.22	50.78	68.20	-17.42 peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5795 TX RSE  
 Note : 5G WIFI 11AC40

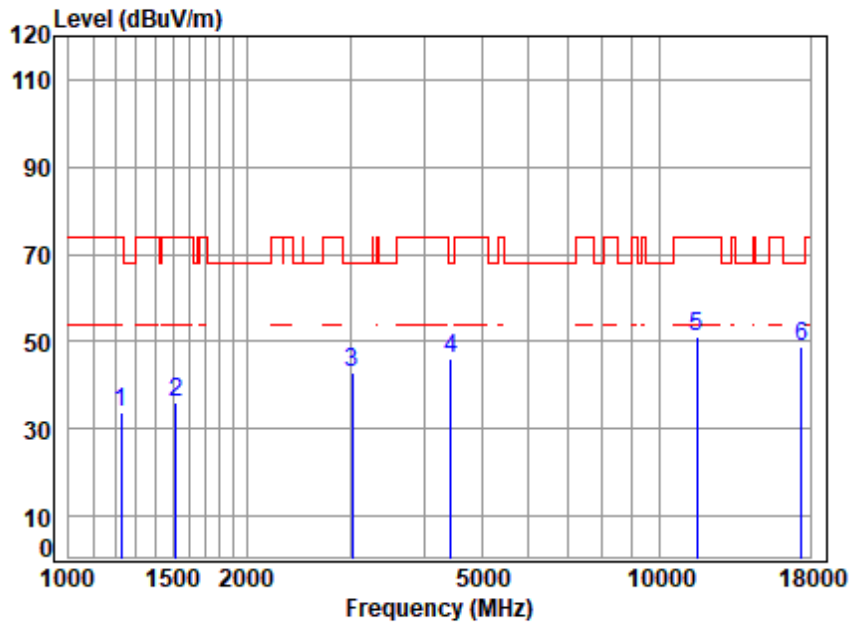
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1100.079	2.57	24.12	39.68	47.25	34.26	74.00	-39.74 peak
2	1677.621	3.41	26.58	40.05	46.13	36.07	74.00	-37.93 peak
3	3415.787	5.42	31.57	41.02	47.20	43.17	68.20	-25.03 peak
4	4482.150	6.74	33.57	41.86	47.79	46.24	68.20	-21.96 peak
5	11590.000	11.74	37.86	37.91	38.42	50.11	74.00	-23.89 peak
6	17385.000	14.05	42.83	40.25	32.78	49.41	68.20	-18.79 peak



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



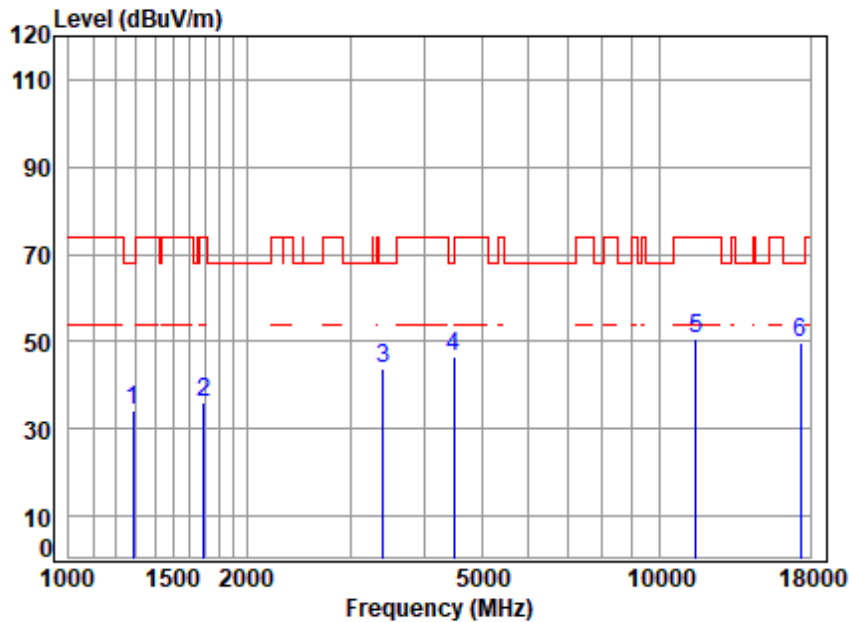
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5795 TX RSE  
 Note : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1227.791	2.82	24.71	39.78	46.02	33.77	74.00	-40.23 peak
2	1516.210	3.27	25.87	39.96	46.76	35.94	74.00	-38.06 peak
3	3025.306	4.90	30.94	40.72	47.65	42.77	68.20	-25.43 peak
4	4443.453	6.71	33.50	41.82	47.91	46.30	68.20	-21.90 peak
5	11590.000	11.74	37.86	37.91	39.58	51.27	74.00	-22.73 peak
6	17385.000	14.05	42.83	40.25	32.31	48.94	68.20	-19.26 peak



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



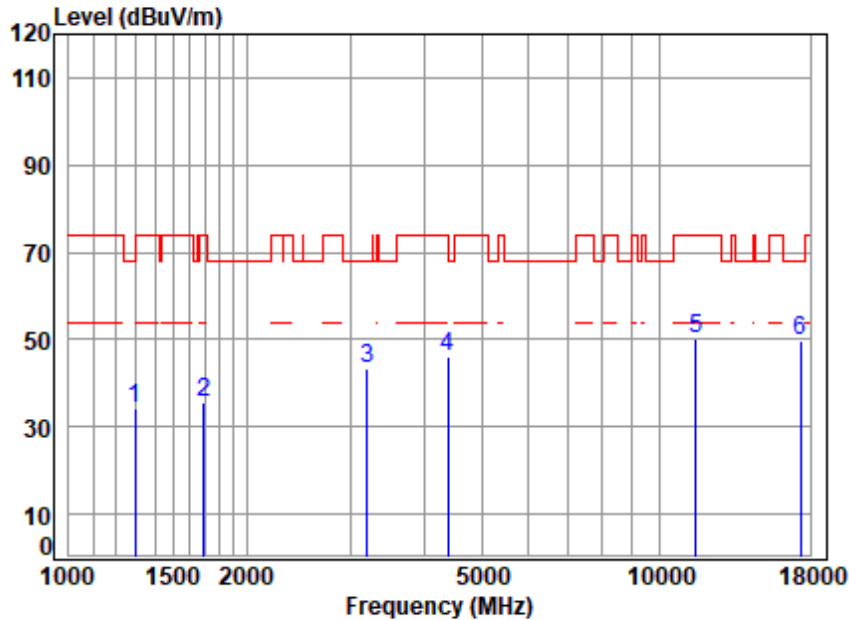
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5775 TX RSE  
 Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1285.904	2.92	24.96	39.82	46.19	34.25	68.20	-33.95 peak
2	1692.231	3.42	26.64	40.06	46.23	36.23	74.00	-37.77 peak
3	3405.929	5.40	31.56	41.01	47.77	43.72	68.20	-24.48 peak
4	4495.125	6.76	33.59	41.87	47.90	46.38	68.20	-21.82 peak
5	11550.000	11.69	37.88	37.89	39.16	50.84	74.00	-23.16 peak
6	17325.000	14.07	42.80	40.26	33.24	49.85	68.20	-18.35 peak



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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5775 TX RSE  
 Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1297.103	2.94	25.01	39.83	45.95	34.07	68.20	-34.13 peak
2	1692.231	3.42	26.64	40.06	45.80	35.80	74.00	-38.20 peak
3	3196.094	5.13	31.23	40.85	47.76	43.27	68.20	-24.93 peak
4	4392.376	6.66	33.42	41.78	47.82	46.12	74.00	-27.88 peak
5	11550.000	11.69	37.88	37.89	38.39	50.07	74.00	-23.93 peak
6	17325.000	14.07	42.80	40.26	33.11	49.72	68.20	-18.48 peak



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

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

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

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

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

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

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

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

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

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

Operating Environment:  
 Temperature: 23.5 °C Humidity: 56.3 % RH Atmospheric Pressure: 1010 mbar

**7.9.2 Test Mode Description**

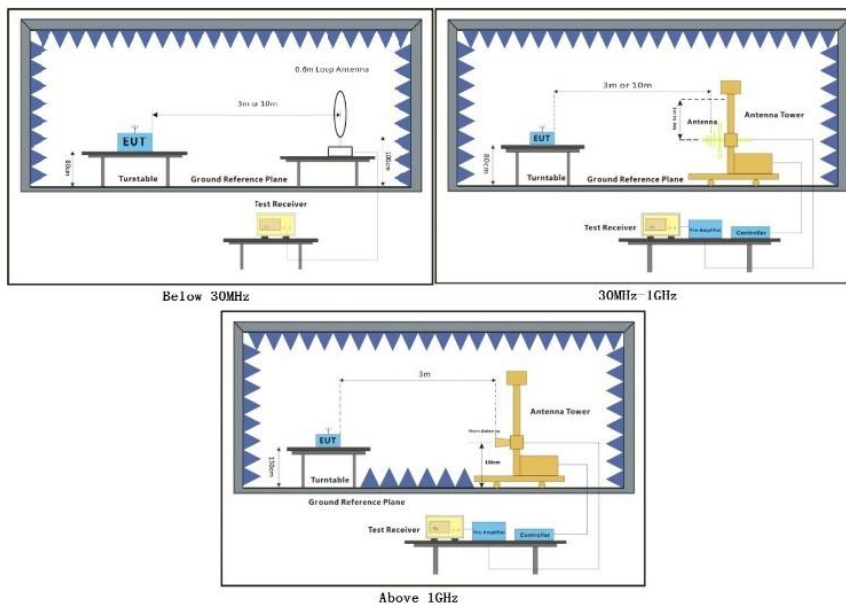
Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of



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 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

		IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	03	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). Only the data of worst case is recorded in the report.
Final test	04	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). Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

**7.9.3 Test Setup Diagram**



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**7.9.4 Measurement Procedure and Data**

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

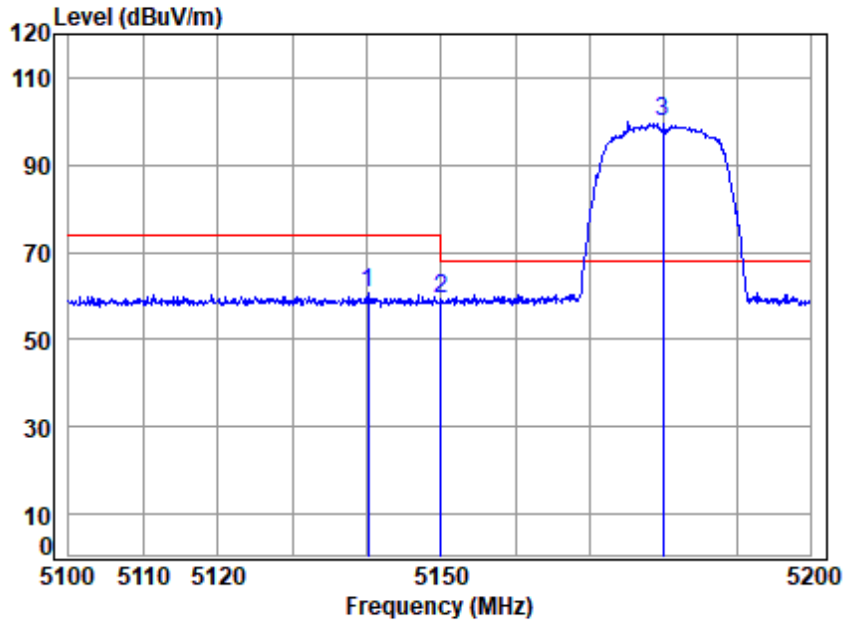
**Remark:**

- 1) For emission below 1GHz, through pre-scan found the worst case is the lowest channel. Only the worst case is recorded in the report.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:  
 Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
- 3) Scan from 9kHz to 25GHz, the disturbance above 18GHz and 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) 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) Pretest the EUT at antenna1, antenna2 and antenna3, found the antenna 1 which is worst case for 802.11a mode; Pretest the EUT at antenna1, antenna2, antenna3 and MIMO mode, found the MIMO mode which is worst case for 802.11n/ac mode; So, Only the worst test data is recorded in the report.



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



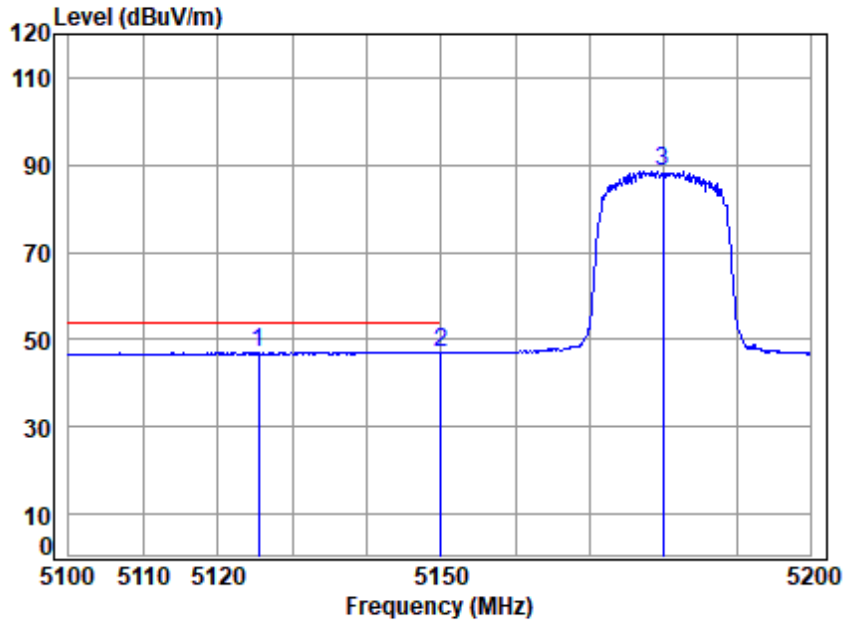
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5180 Band edge  
 : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5140.167	7.56	34.32	42.32	61.23	60.79	74.00	-13.21 peak
2	5149.980	7.57	34.32	42.32	59.59	59.16	74.00	-14.84 peak
3 *	5180.000	7.63	34.35	42.32	100.20	99.86	68.20	31.66 peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5180 Band edge  
 : 5G WIFI 11A

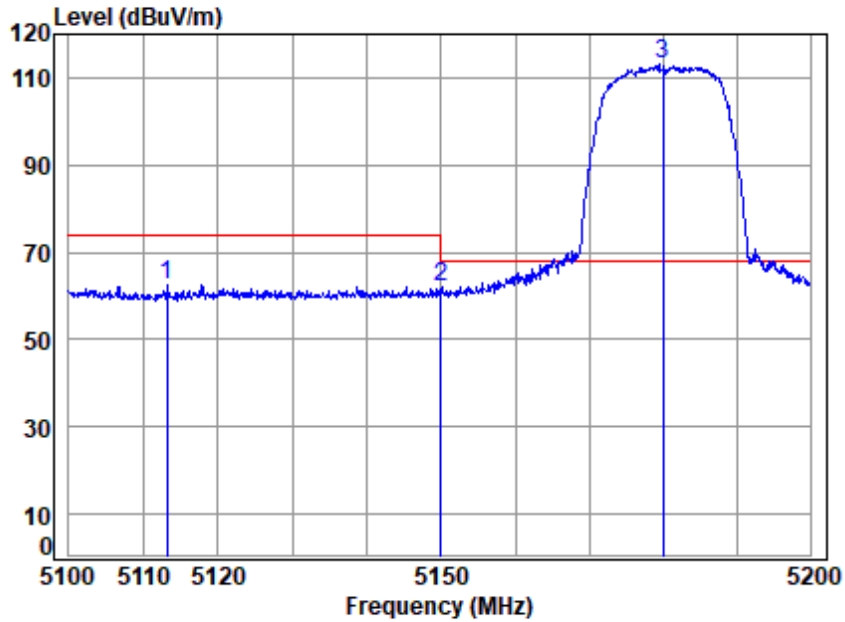
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5125.416	7.53	34.30	42.31	47.48	47.00	54.00	-7.00	Average
2	5149.980	7.57	34.32	42.32	47.42	46.99	54.00	-7.01	Average
3	5180.000	7.63	34.35	42.32	89.03	88.69	-----	-----	Average



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



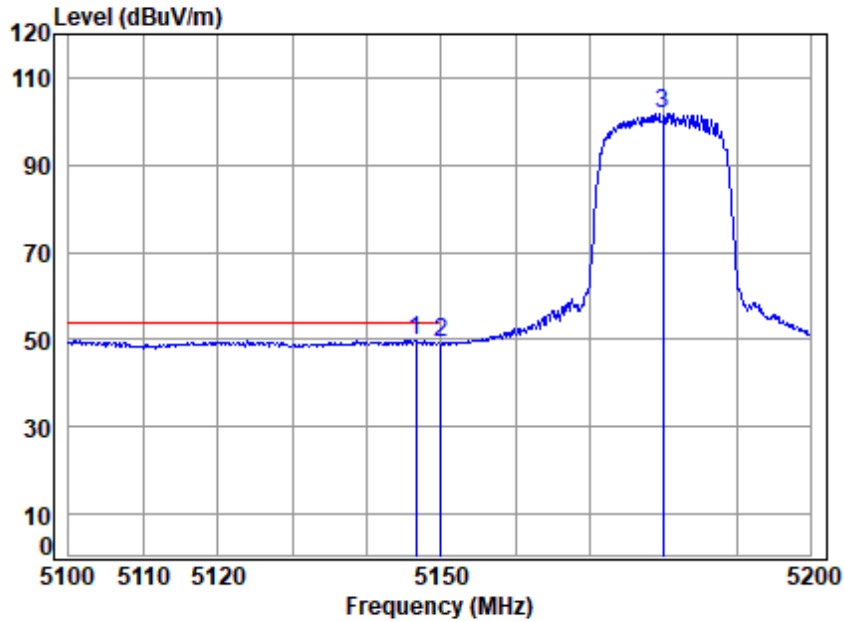
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5180 Band edge  
 : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	7.51	34.29	42.31	63.17	62.66	74.00	-11.34 Peak
2	7.57	34.32	42.32	62.50	62.07	74.00	-11.93 Peak
3 *	7.63	34.35	42.32	113.64	113.30	68.20	45.10 Peak



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



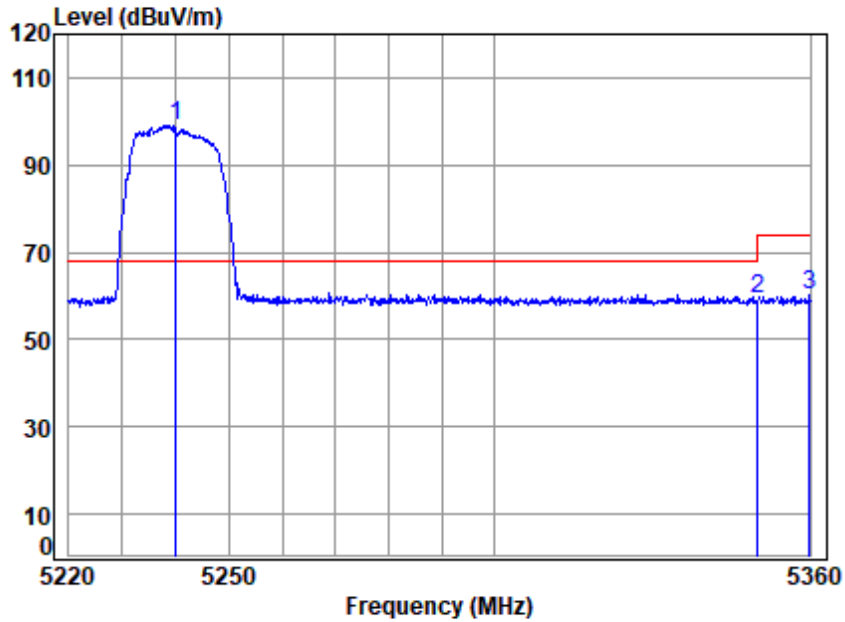
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5180 Band edge  
 : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7.57	34.32	42.32	50.16	49.73	54.00	-4.27	Average
2	7.57	34.32	42.32	49.70	49.27	54.00	-4.73	Average
3	7.63	34.35	42.32	102.14	101.80	-----	-----	Average



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



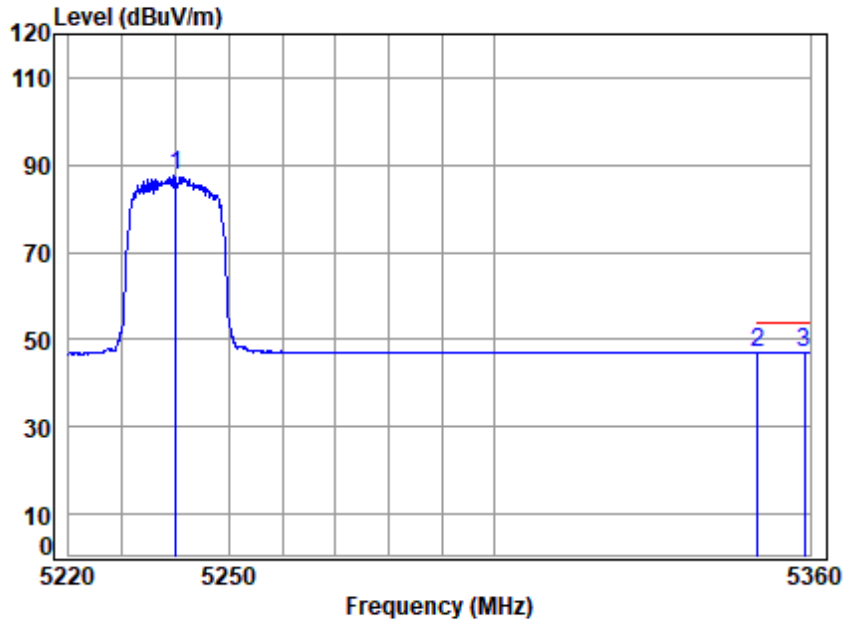
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5240 Band edge  
 : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5240.000	7.73	34.40	42.33	99.36	99.16	68.20	30.96 peak
2 5350.020	7.92	34.48	42.34	59.14	59.20	74.00	-14.80 peak
3 5359.858	7.94	34.49	42.34	60.32	60.41	74.00	-13.59 peak



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



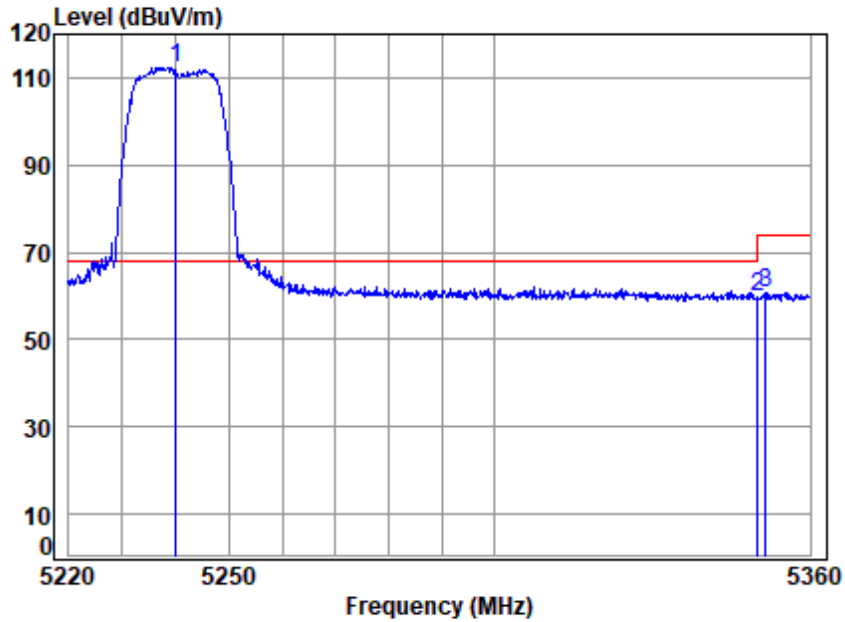
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5240 Band edge  
 : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5240.000	7.73	34.40	42.33	87.65	87.45	-----	-----	Average
2	5350.020	7.92	34.48	42.34	47.03	47.09	54.00	-6.91	Average
3	5359.007	7.94	34.49	42.34	47.03	47.12	54.00	-6.88	Average



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



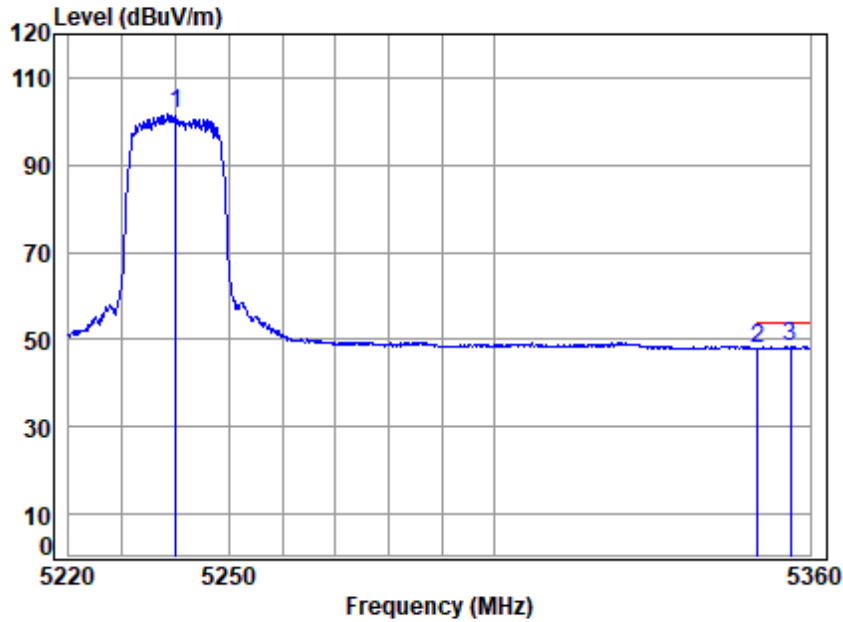
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5240 Band edge  
 : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5240.000	7.73	34.40	42.33	112.65	112.45	68.20	44.25
2 5350.020	7.92	34.48	42.34	59.81	59.87	74.00	-14.13
3 5351.495	7.93	34.49	42.34	60.82	60.90	74.00	-13.10



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



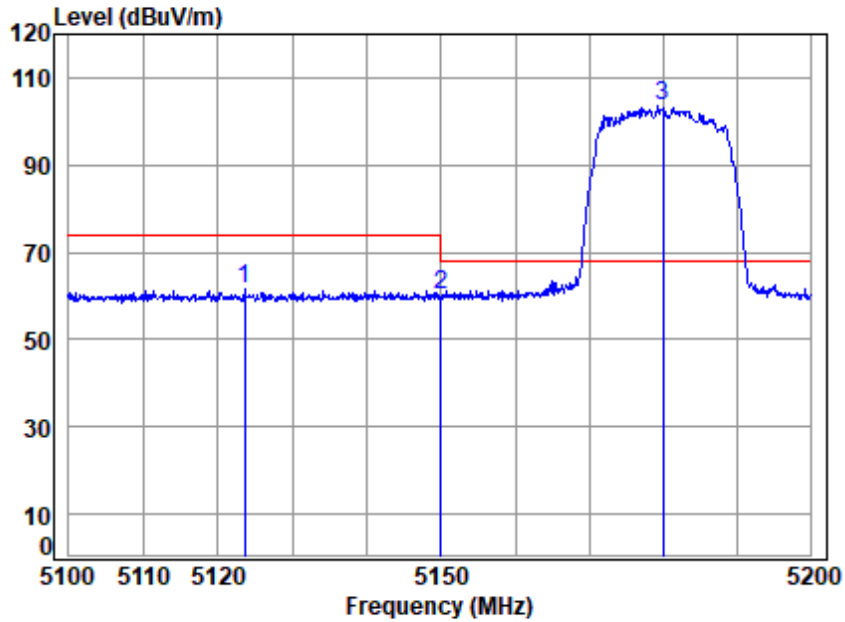
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5240 Band edge  
 : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over			
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	5240.000	7.73	34.40	42.33	101.79	101.59	-----	-----	Average
2	5350.020	7.92	34.48	42.34	47.92	47.98	54.00	-6.02	Average
3	5356.171	7.94	34.49	42.34	48.19	48.28	54.00	-5.72	Average



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



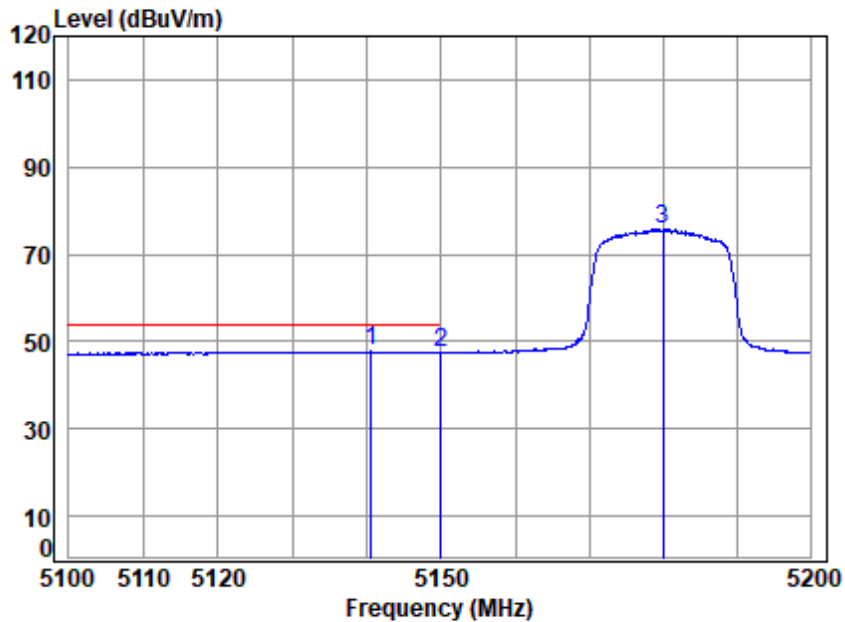
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5180 Band edge  
 : 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	7.53	34.30	42.31	61.85	61.37	74.00	-12.63 peak
2	7.57	34.32	42.32	60.76	60.33	74.00	-13.67 peak
3 *	7.63	34.35	42.32	103.78	103.44	68.20	35.24 peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5180 Band edge  
 : 5G WIFI 11N20

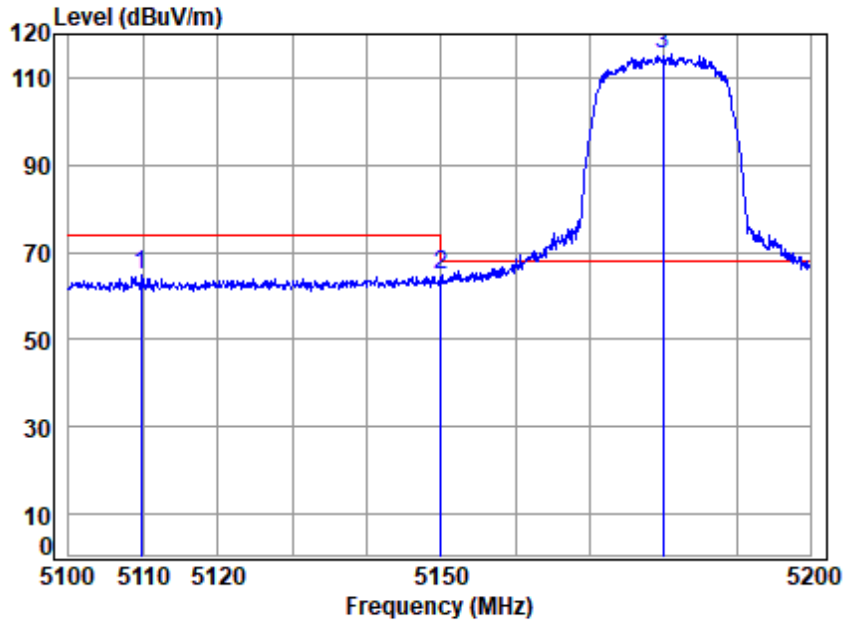
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5140.565	7.56	34.32	42.32	48.14	47.70	54.00	-6.30	Average
2	5149.980	7.57	34.32	42.32	47.96	47.53	54.00	-6.47	Average
3	5180.000	7.63	34.35	42.32	76.16	75.82	-----	-----	Average



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



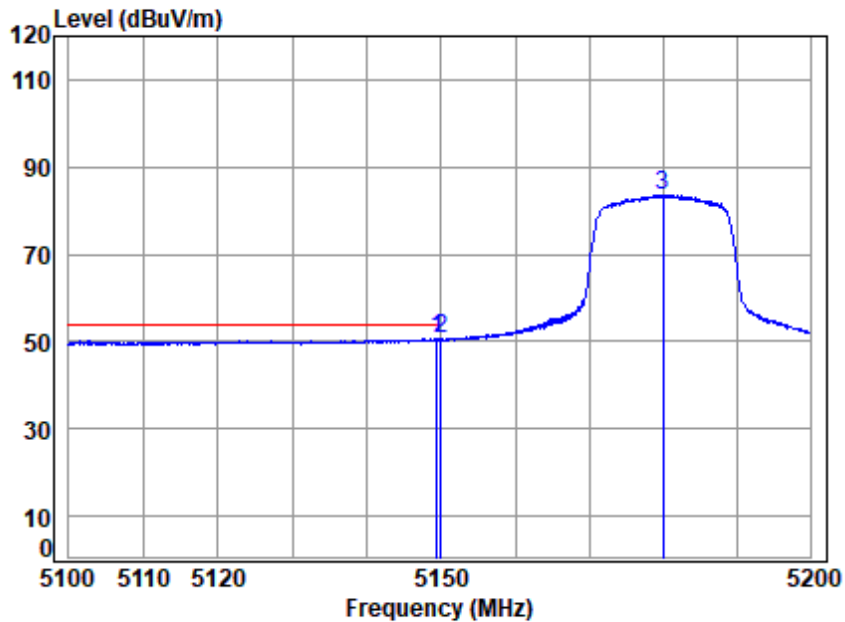
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5180 Band edge  
 : 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	7.50	34.29	42.31	65.15	64.63	74.00	-9.37
2	7.57	34.32	42.32	65.03	64.60	74.00	-9.40
3 *	7.63	34.35	42.32	115.83	115.49	68.20	47.29



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



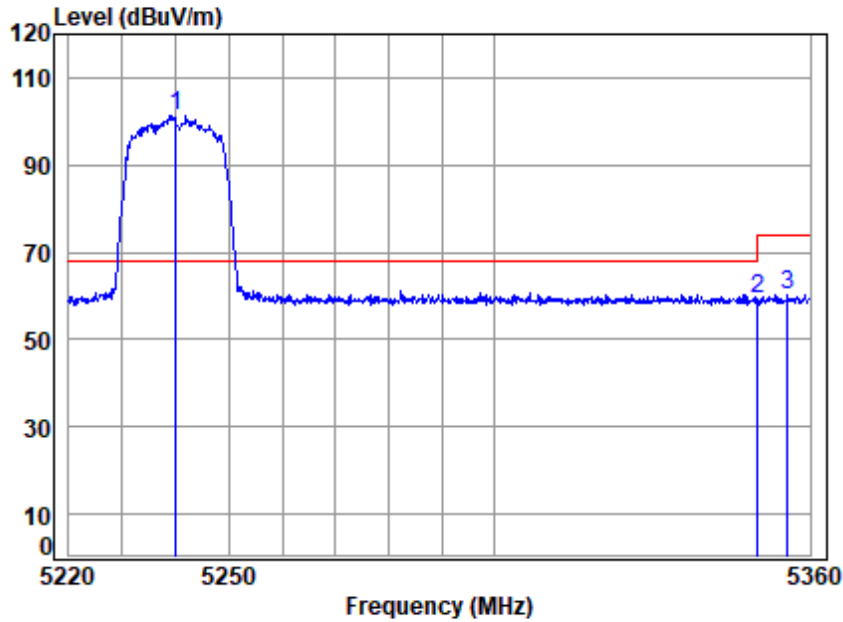
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5180 Band edge  
 : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.357	7.57	34.32	42.32	51.03	50.60	54.00	-3.40	Average
2	5149.980	7.57	34.32	42.32	50.91	50.48	54.00	-3.52	Average
3	5180.000	7.63	34.35	42.32	83.98	83.64	-----	-----	Average



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



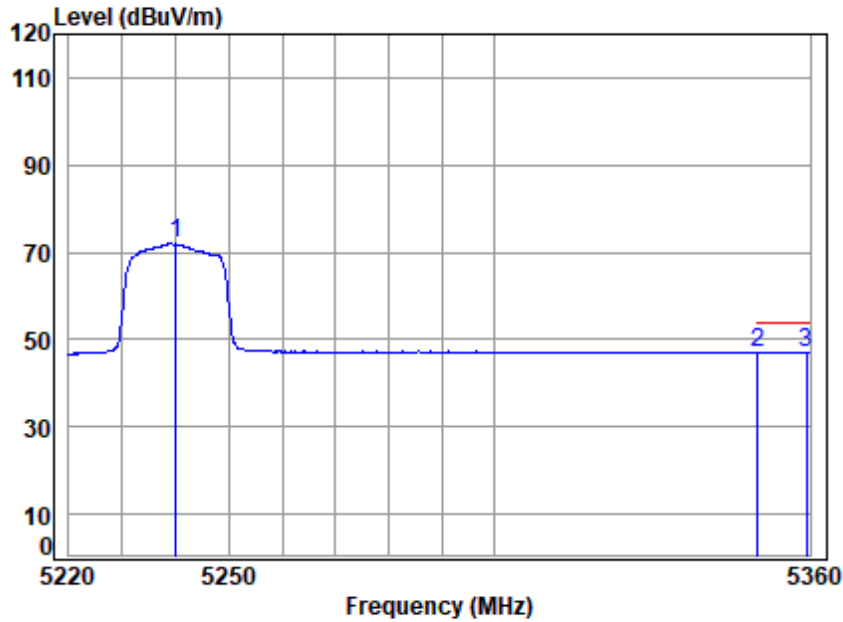
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5240 Band edge  
 : 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5240.000	7.73	34.40	42.33	101.60	101.40	68.20	33.20 peak
2 5350.020	7.92	34.48	42.34	59.28	59.34	74.00	-14.66 peak
3 5355.746	7.93	34.49	42.34	60.24	60.32	74.00	-13.68 peak



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



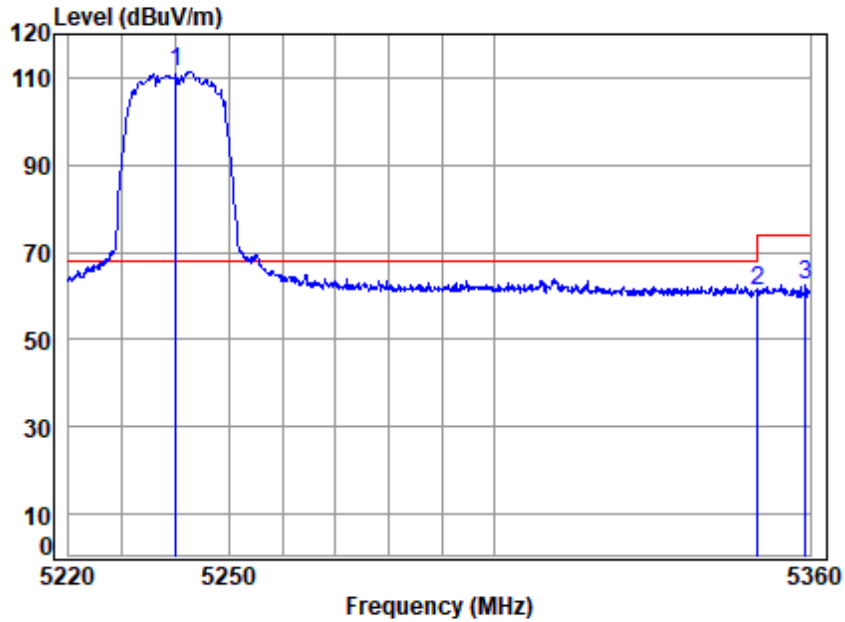
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5240 Band edge  
 : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5240.000	7.73	34.40	42.33	72.23	72.03	-----	-----	Average
2	5350.020	7.92	34.48	42.34	46.96	47.02	54.00	-6.98	Average
3	5359.291	7.94	34.49	42.34	47.09	47.18	54.00	-6.82	Average



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



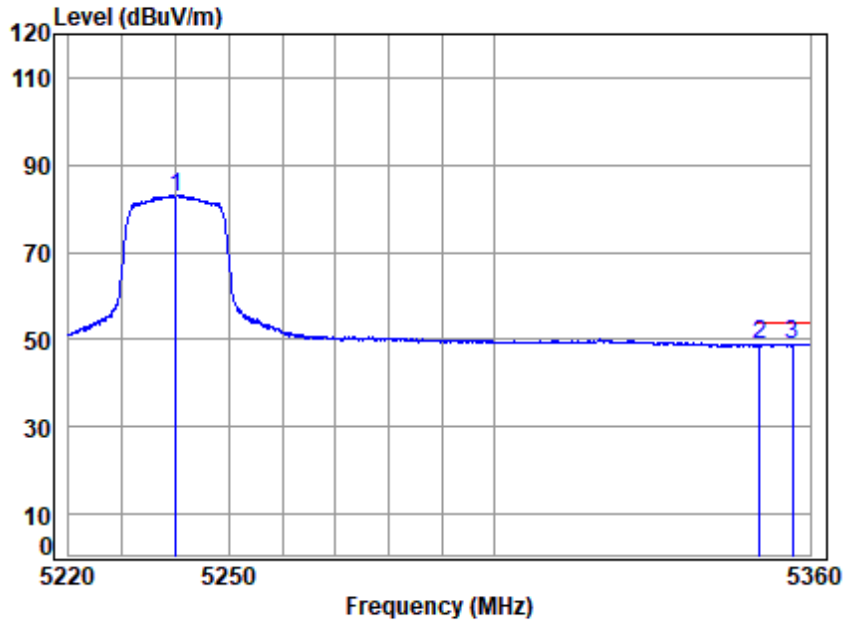
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5240 Band edge  
 : 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5240.000	7.73	34.40	42.33	111.57	111.37	68.20	43.17
2 5350.020	7.92	34.48	42.34	61.07	61.13	74.00	-12.87
3 5359.149	7.94	34.49	42.34	62.32	62.41	74.00	-11.59



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



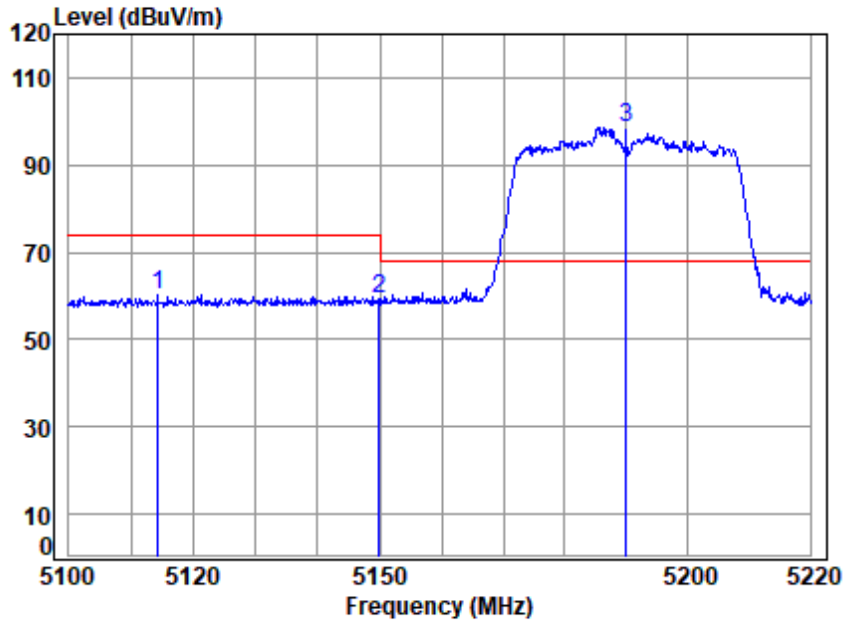
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5240 Band edge  
 : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5240.000	7.73	34.40	42.33	82.95	82.75	-----	-----	Peak
2	5350.362	7.93	34.48	42.34	48.59	48.66	54.00	-5.34	Peak
3	5356.738	7.94	34.49	42.34	48.73	48.82	54.00	-5.18	Peak



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



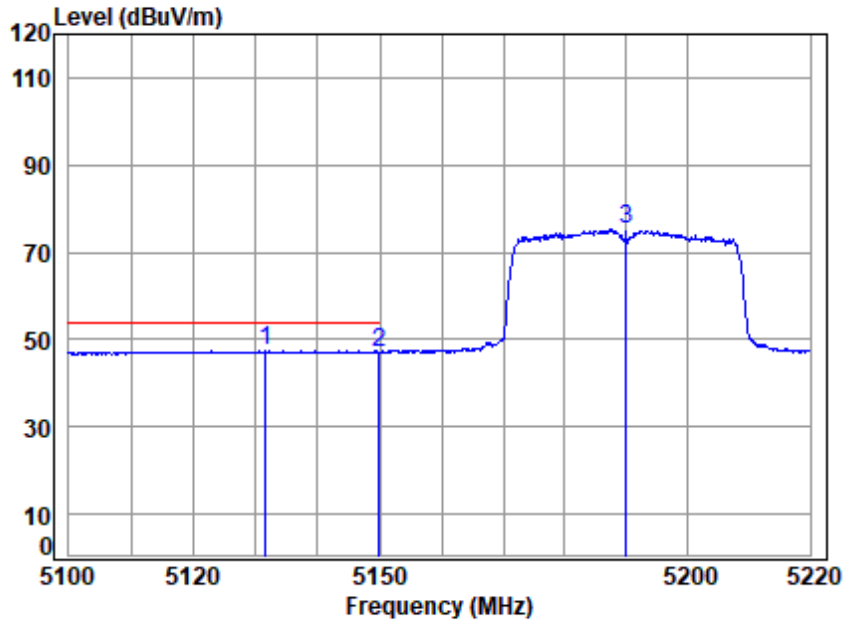
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5190 Band edge  
 : 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7.51	34.29	42.31	60.88	60.37	74.00	-13.63	peak
2	7.57	34.32	42.32	59.88	59.45	74.00	-14.55	peak
3 *	7.64	34.36	42.32	99.02	98.70	68.20	30.50	peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5190 Band edge  
 : 5G WIFI 11N40

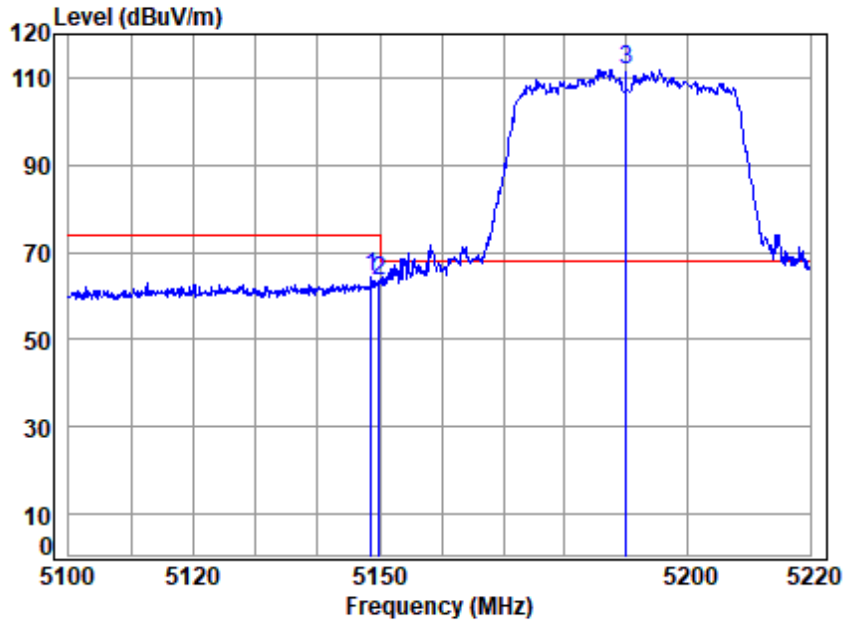
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5131.529	7.54	34.31	42.31	47.84	47.38	54.00	-6.62 Average
2	5149.980	7.57	34.32	42.32	47.65	47.22	54.00	-6.78 Average
3	5190.000	7.64	34.36	42.32	75.74	75.42	-----	----- Average



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



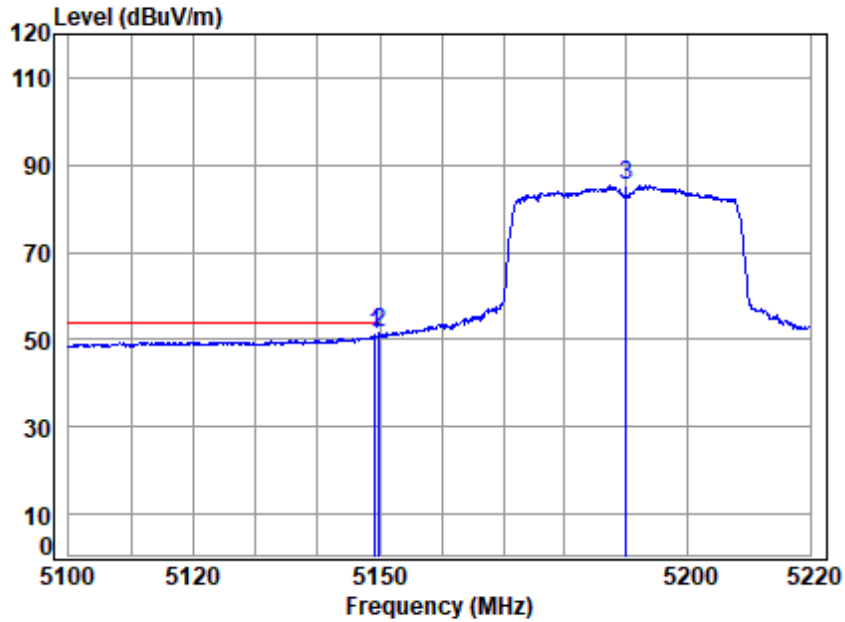
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5190 Band edge  
 : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.623	7.57	34.32	42.32	64.56	64.13	74.00	-9.87	Peak
2	5149.980	7.57	34.32	42.32	63.90	63.47	74.00	-10.53	Peak
3 *	5190.000	7.64	34.36	42.32	112.26	111.94	68.20	43.74	Peak



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



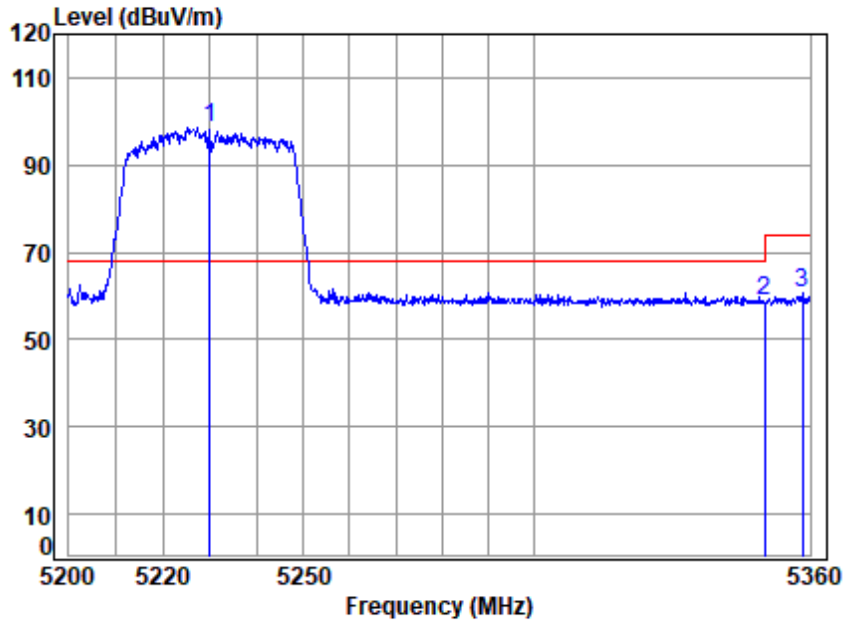
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5190 Band edge  
 : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.222	7.57	34.32	42.32	51.32	50.89	54.00	-3.11	Average
2	5149.980	7.57	34.32	42.32	51.92	51.49	54.00	-2.51	Average
3	5190.000	7.64	34.36	42.32	85.51	85.19	-----	-----	Average



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



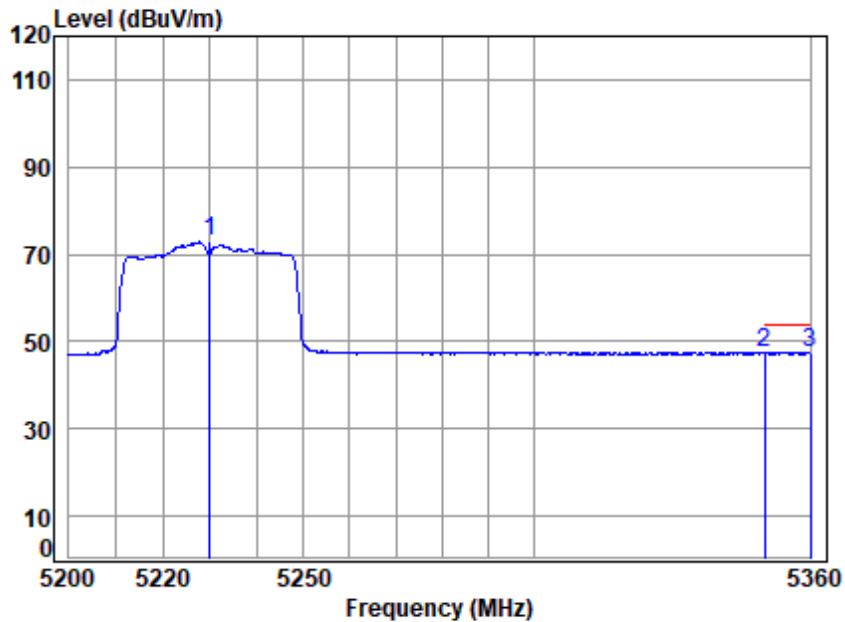
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5230 Band edge  
 : 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5230.000	7.72	34.39	42.32	98.71	98.50	68.20	30.30 peak
2 5350.020	7.92	34.48	42.34	58.89	58.95	74.00	-15.05 peak
3 5358.376	7.94	34.49	42.34	60.66	60.75	74.00	-13.25 peak



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



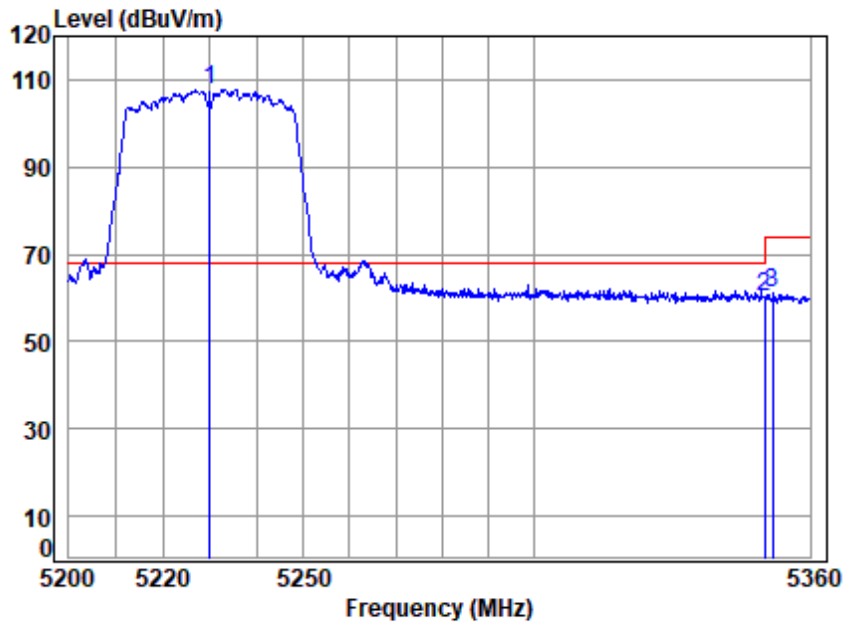
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5230 Band edge  
 : 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7.72	34.39	42.32	73.03	72.82	-----	-----	Average
2	7.92	34.48	42.34	47.28	47.34	54.00	-6.66	Average
3	7.94	34.49	42.34	47.40	47.49	54.00	-6.51	Average



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



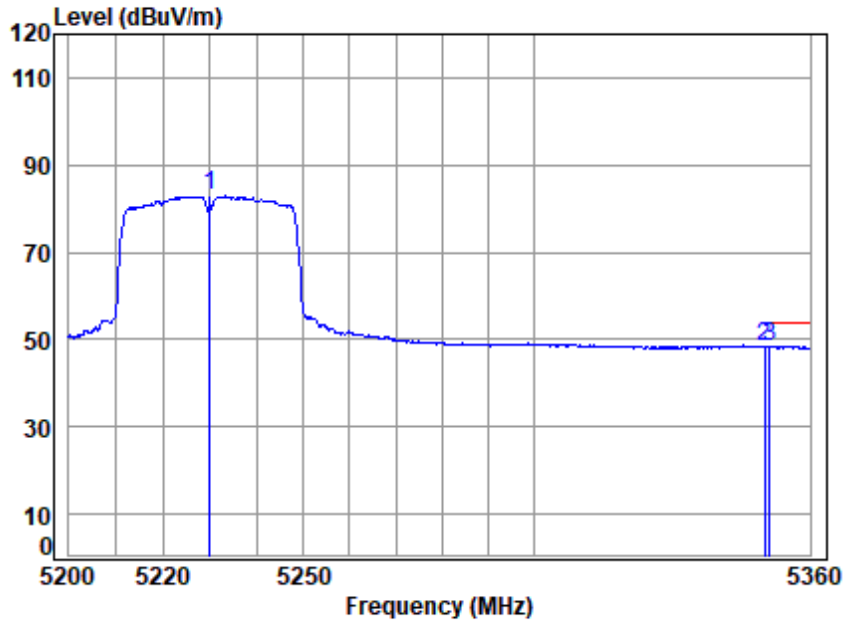
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5230 Band edge  
 : 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5230.000	7.72	34.39	42.32	108.09	107.88	68.20	39.68 Peak
2 5350.020	7.92	34.48	42.34	60.27	60.33	74.00	-13.67 Peak
3 5351.884	7.93	34.49	42.34	60.92	61.00	74.00	-13.00 Peak



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



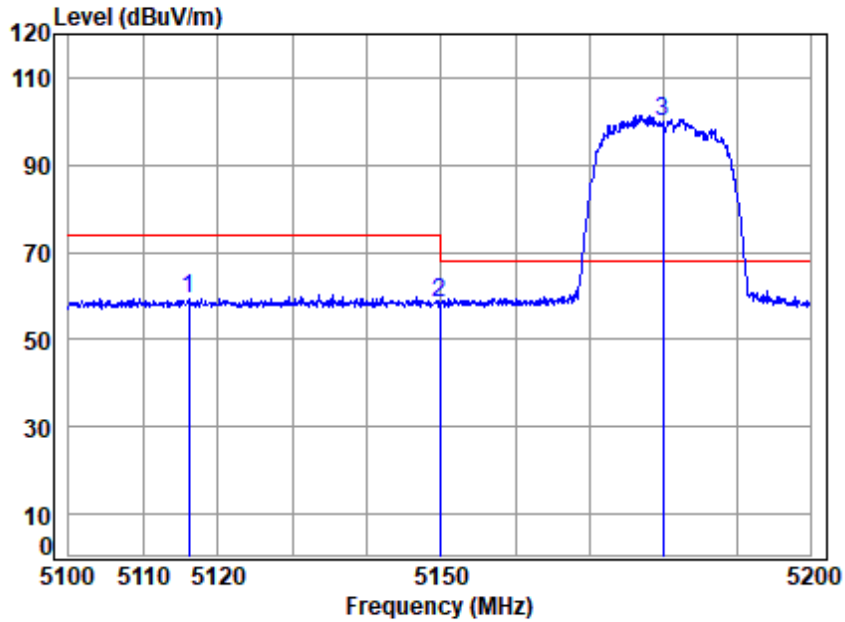
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5230 Band edge  
 : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5230.000	7.72	34.39	42.32	83.17	82.96	-----	-----	Average
2	5350.020	7.92	34.48	42.34	48.26	48.32	54.00	-5.68	Average
3	5351.073	7.93	34.48	42.34	48.52	48.59	54.00	-5.41	Average



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



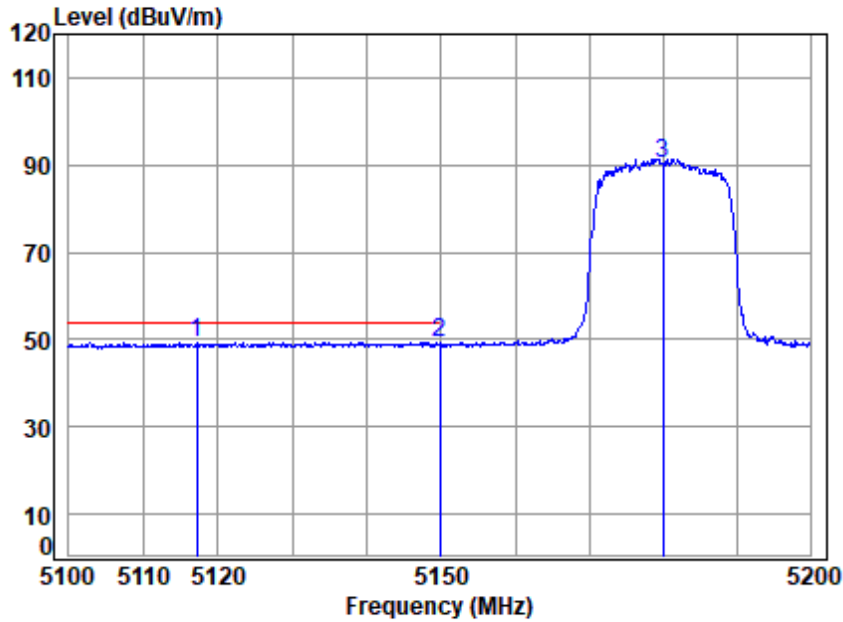
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5180 Band edge  
 : 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	7.51	34.30	42.31	59.74	59.24	74.00	-14.76 Peak
2	7.57	34.32	42.32	58.65	58.22	74.00	-15.78 Peak
3 *	7.63	34.35	42.32	100.20	99.86	68.20	31.66 Peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5180 Band edge  
 : 5G WIFI 11AC20

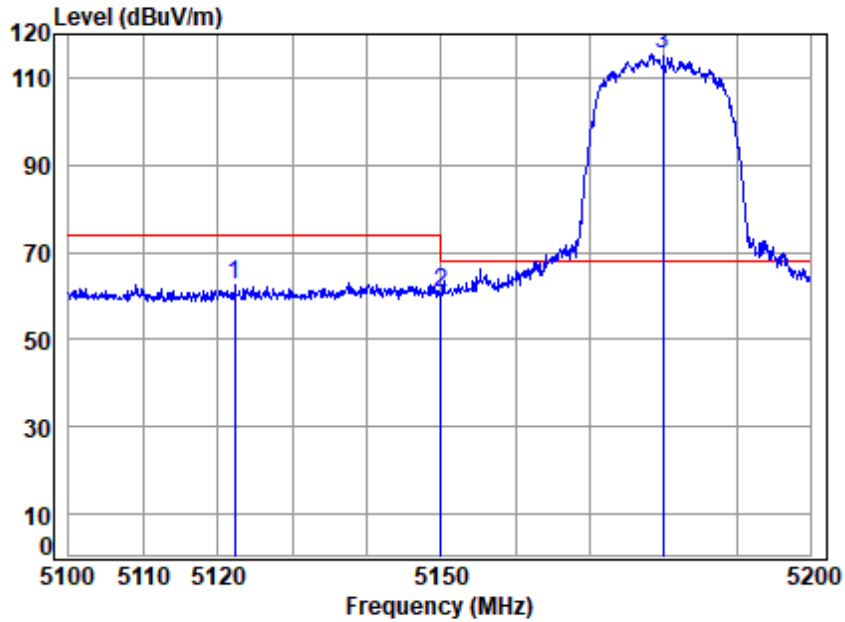
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5117.162	7.51	34.30	42.31	49.67	49.17	54.00	-4.83 Average
2	5149.857	7.57	34.32	42.32	49.64	49.21	54.00	-4.79 Average
3	5179.945	7.63	34.35	42.32	90.65	90.31	-----	----- Average



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



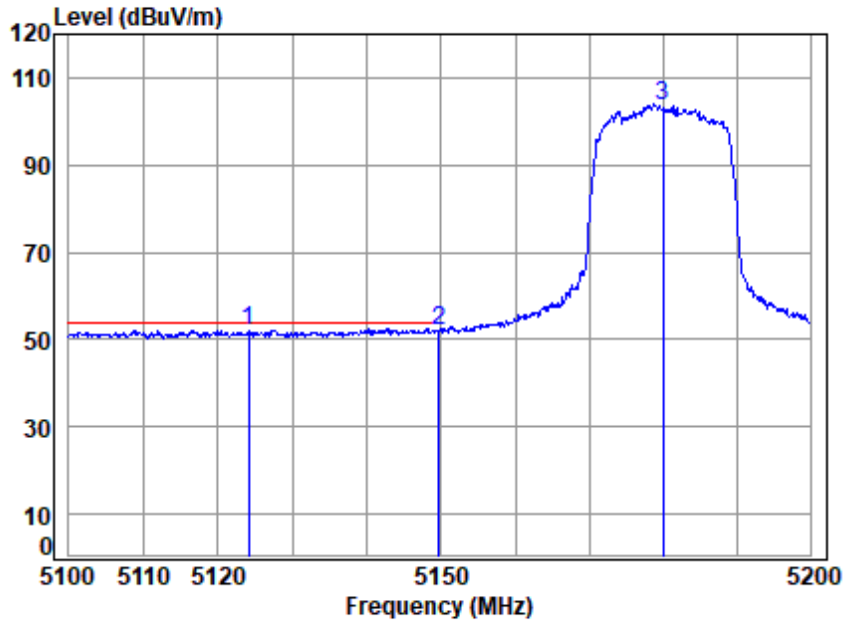
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5180 Band edge  
 : 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	7.52	34.30	42.31	62.89	62.40	74.00	-11.60 Peak
2	7.57	34.32	42.32	61.09	60.66	74.00	-13.34 Peak
3 *	7.63	34.35	42.32	115.57	115.23	68.20	47.03 Peak



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



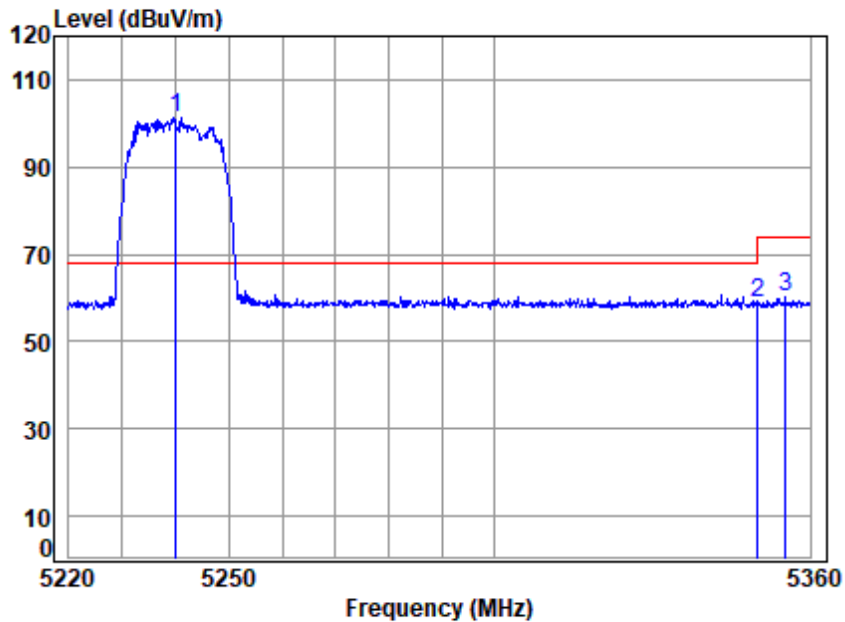
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5180 Band edge  
 : 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5124.122	7.53	34.30	42.31	52.35	51.87	54.00	-2.13 Average
2	5149.757	7.57	34.32	42.32	52.38	51.95	54.00	-2.05 Average
3	5180.000	7.63	34.35	42.32	103.79	103.45	-----	----- Average



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



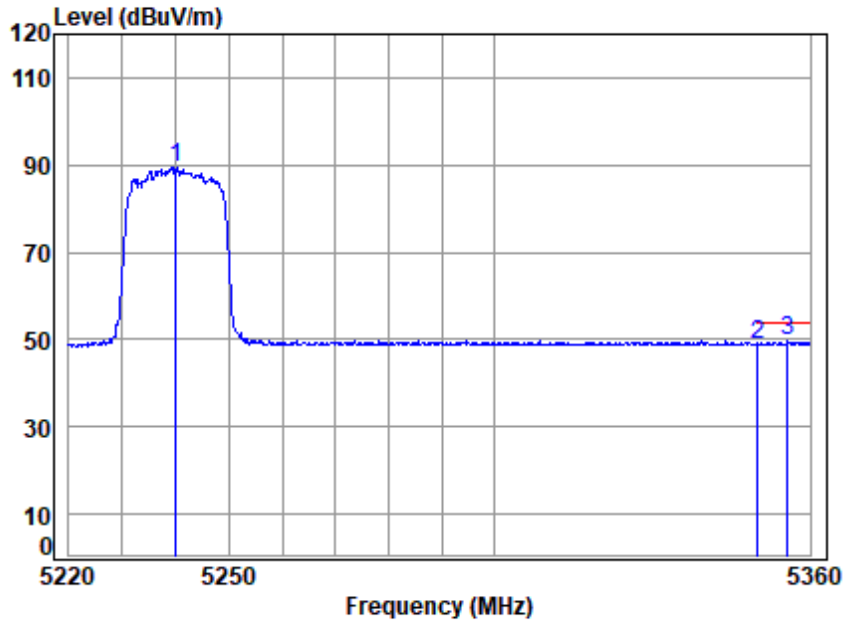
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5240 Band edge  
 : 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5240.000	7.73	34.40	42.33	101.30	101.10	68.20	32.90 peak
2 5350.020	7.92	34.48	42.34	58.62	58.68	74.00	-15.32 peak
3 5355.321	7.93	34.49	42.34	60.00	60.08	74.00	-13.92 peak



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



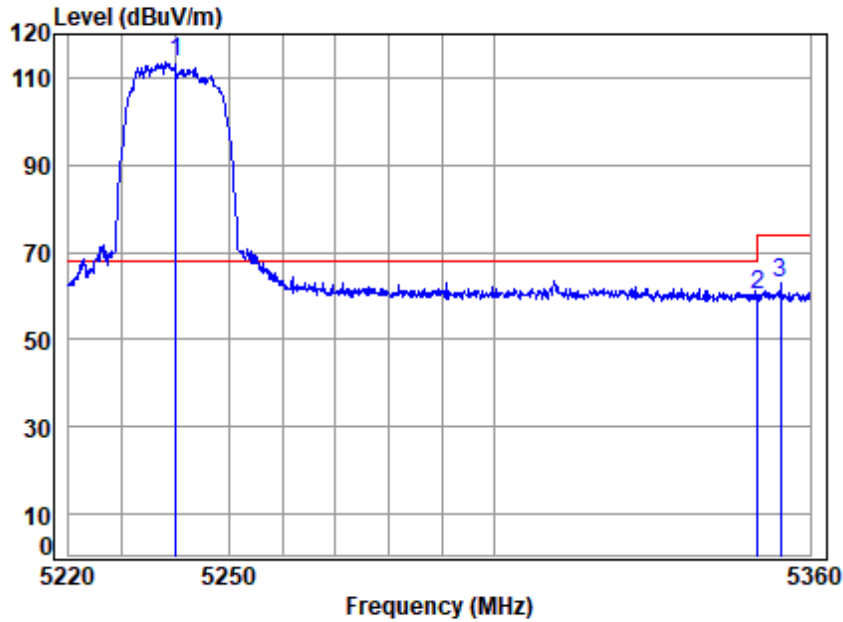
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5240 Band edge  
 : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5240.000	7.73	34.40	42.33	89.69	89.49	-----	-----	Average
2	5350.020	7.92	34.48	42.34	48.95	49.01	54.00	-4.99	Average
3	5355.746	7.93	34.49	42.34	49.44	49.52	54.00	-4.48	Average



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



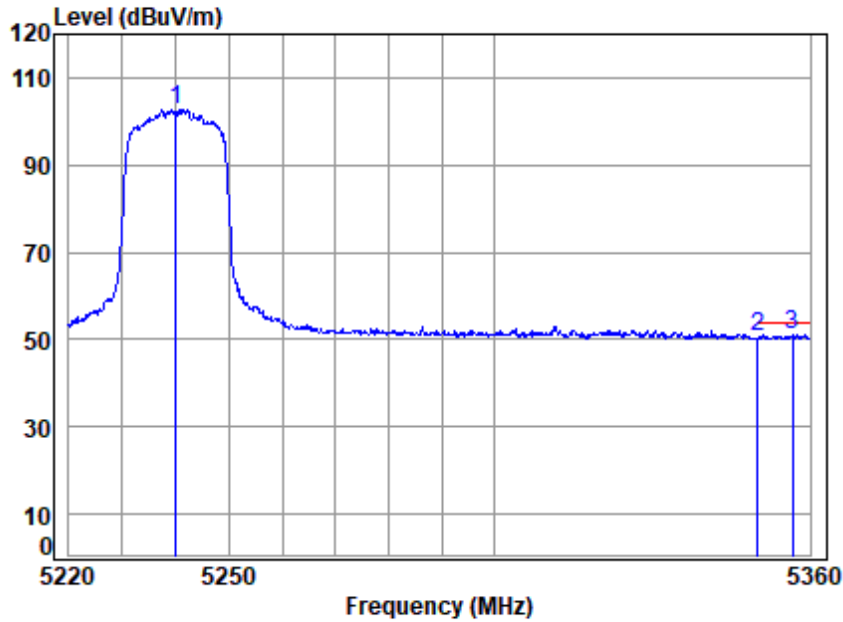
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5240 Band edge  
 : 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5240.000	7.73	34.40	42.33	113.63	113.43	68.20	45.23 Peak
2 5350.020	7.92	34.48	42.34	60.01	60.07	74.00	-13.93 Peak
3 5354.329	7.93	34.49	42.34	62.82	62.90	74.00	-11.10 Peak



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



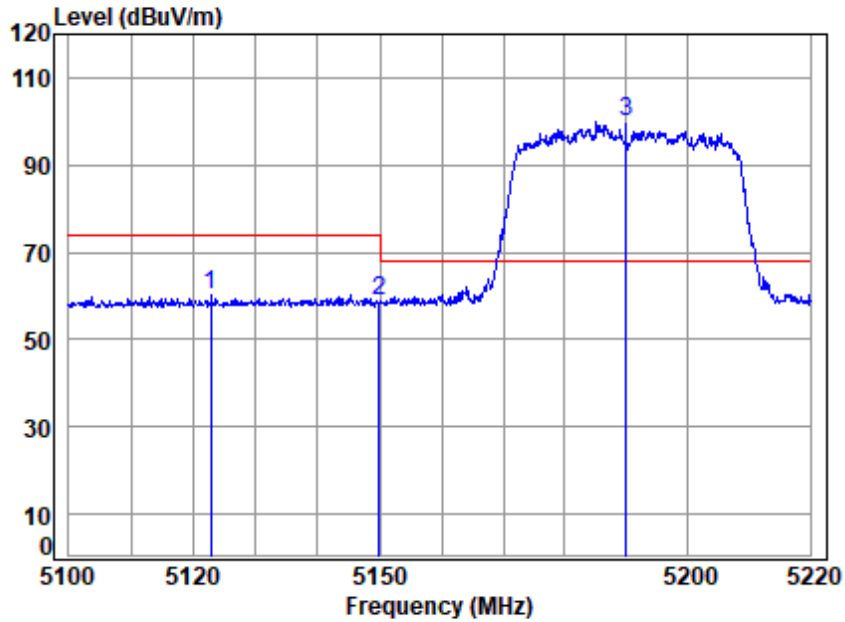
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5240 Band edge  
 : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5240.000	7.73	34.40	42.33	102.95	102.75	-----	-----	Average
2	5350.020	7.92	34.48	42.34	50.74	50.80	54.00	-3.20	Average
3	5356.738	7.94	34.49	42.34	50.97	51.06	54.00	-2.94	Average



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



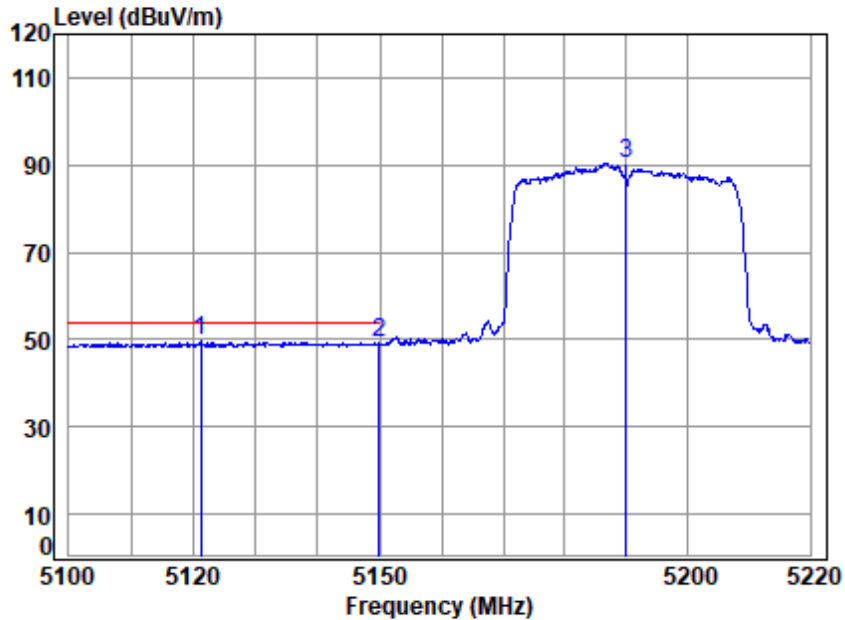
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5190 Band edge  
 : 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	7.52	34.30	42.31	60.53	60.04	74.00	-13.96 peak
2	7.57	34.32	42.32	59.36	58.93	74.00	-15.07 peak
3 *	7.64	34.36	42.32	100.05	99.73	68.20	31.53 peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5190 Band edge  
 : 5G WIFI 11AC40

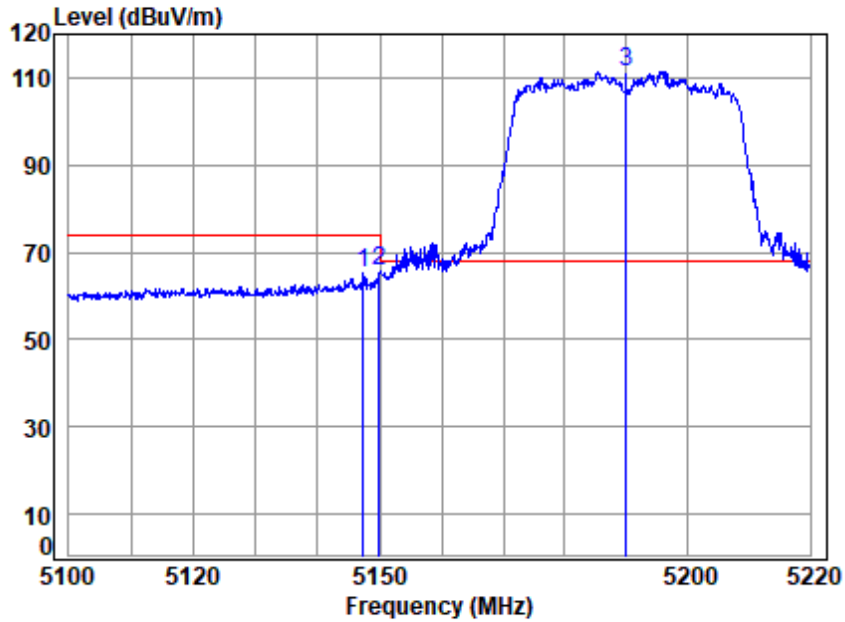
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7.52	34.30	42.31	50.00	49.51	54.00	-4.49	Average
2	7.57	34.32	42.32	49.61	49.18	54.00	-4.82	Average
3	7.64	34.36	42.32	90.80	90.48	-----	-----	Average



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



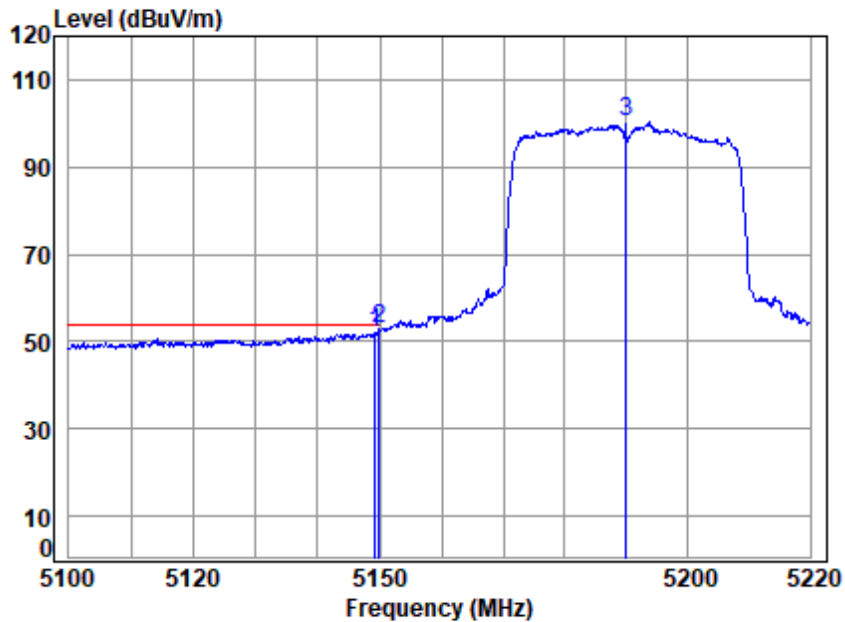
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5190 Band edge  
 : 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	7.57	34.32	42.32	65.72	65.29	74.00	-8.71
2	7.57	34.32	42.32	66.12	65.69	74.00	-8.31
3 *	7.64	34.36	42.32	111.88	111.56	68.20	43.36



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



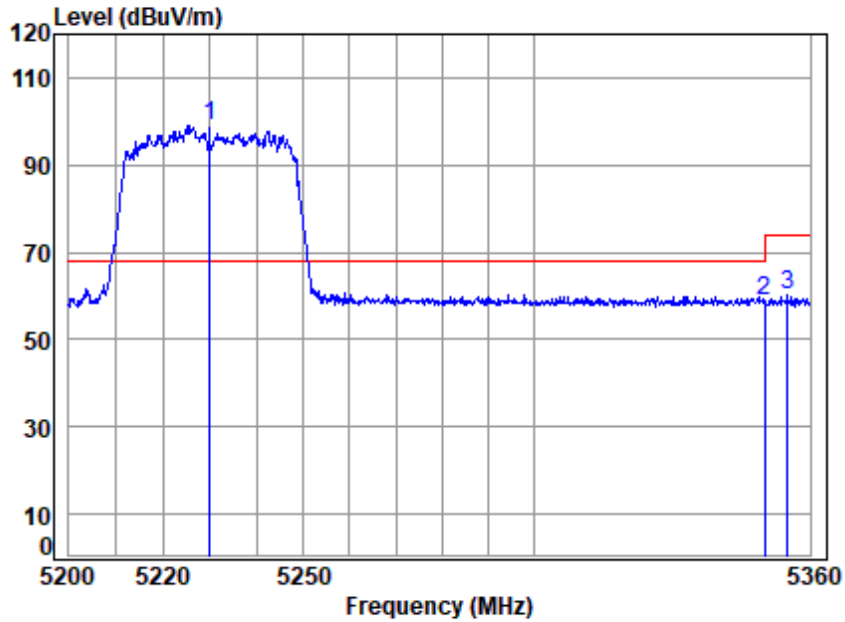
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5190 Band edge  
 : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.222	7.57	34.32	42.32	52.51	52.08	54.00	-1.92	Average
2	5149.980	7.57	34.32	42.32	53.17	52.74	54.00	-1.26	Average
3	5190.000	7.64	34.36	42.32	100.47	100.15	-----	-----	Average



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



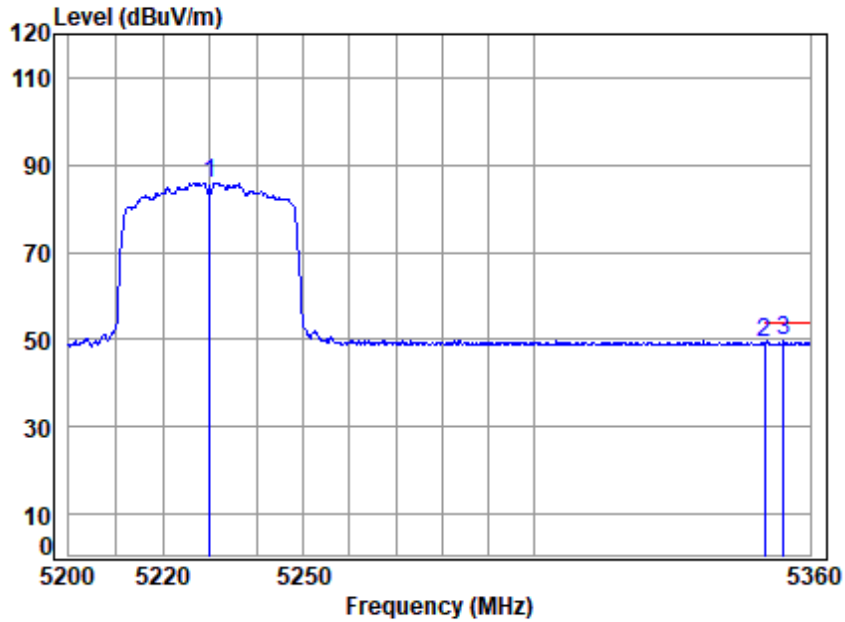
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5230 Band edge  
 : 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5230.000	7.72	34.39	42.32	99.40	99.19	68.20	30.99 peak
2 5350.020	7.92	34.48	42.34	58.63	58.69	74.00	-15.31 peak
3 5354.967	7.93	34.49	42.34	60.04	60.12	74.00	-13.88 peak



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



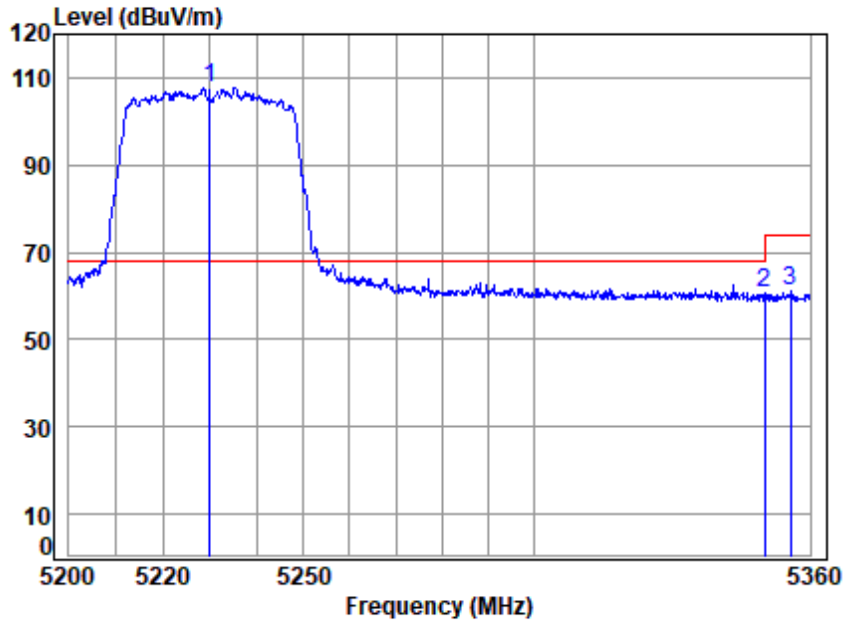
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5230 Band edge  
 : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5230.000	7.72	34.39	42.32	86.13	85.92	-----	-----	Average
2	5350.020	7.92	34.48	42.34	48.99	49.05	54.00	-4.95	Average
3	5354.155	7.93	34.49	42.34	49.43	49.51	54.00	-4.49	Average



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



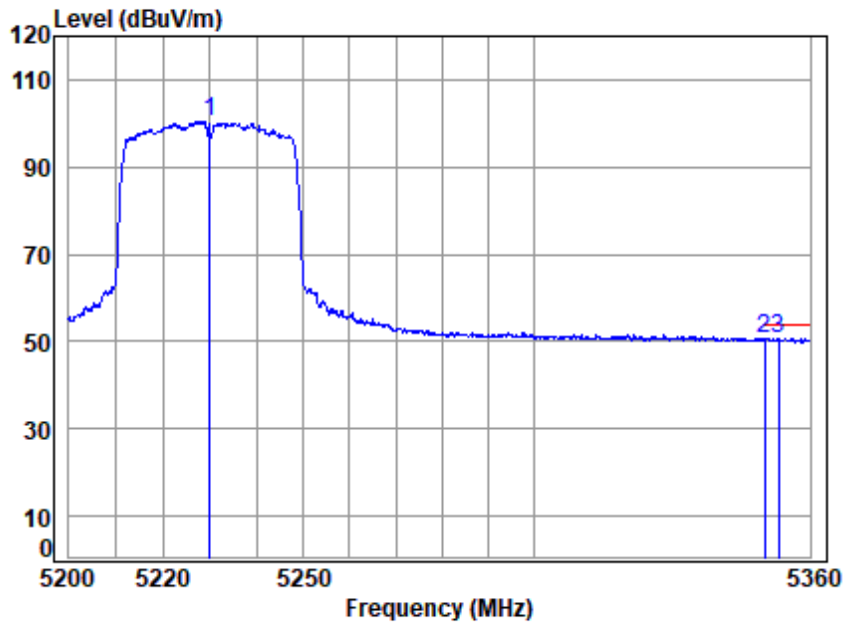
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5230 Band edge  
 : 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5230.000	7.72	34.39	42.32	107.92	107.71	68.20	39.51 Peak
2 5350.020	7.92	34.48	42.34	60.42	60.48	74.00	-13.52 Peak
3 5355.616	7.93	34.49	42.34	61.16	61.24	74.00	-12.76 Peak



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



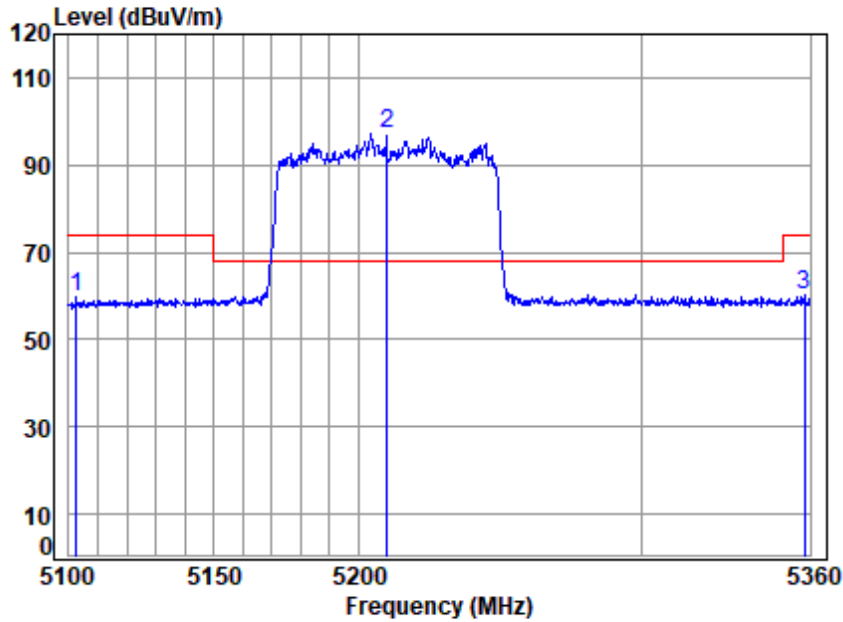
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5230 Band edge  
 : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5230.000	7.72	34.39	42.32	100.81	100.60	-----	-----	Average
2	5350.020	7.92	34.48	42.34	50.68	50.74	54.00	-3.26	Average
3	5353.182	7.93	34.49	42.34	50.64	50.72	54.00	-3.28	Average



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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



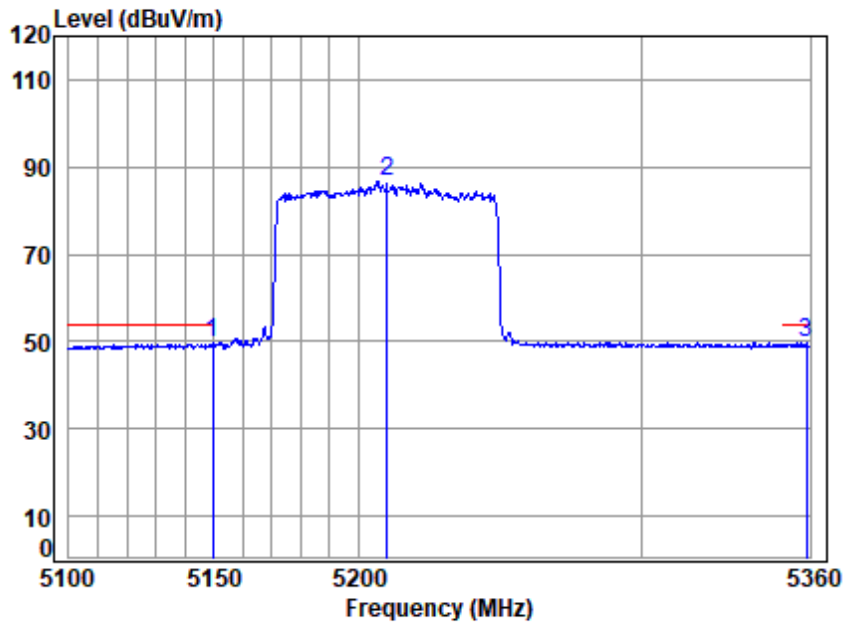
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5210 Band edge  
 : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5102.537	7.49	34.29	42.31	60.14	59.61	74.00	-14.39 peak
2 *	5210.000	7.68	34.37	42.32	97.36	97.09	68.20	28.89 peak
3	5357.868	7.94	34.49	42.34	60.25	60.34	74.00	-13.66 peak



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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5210 Band edge  
 : 5G WIFI 11AC80

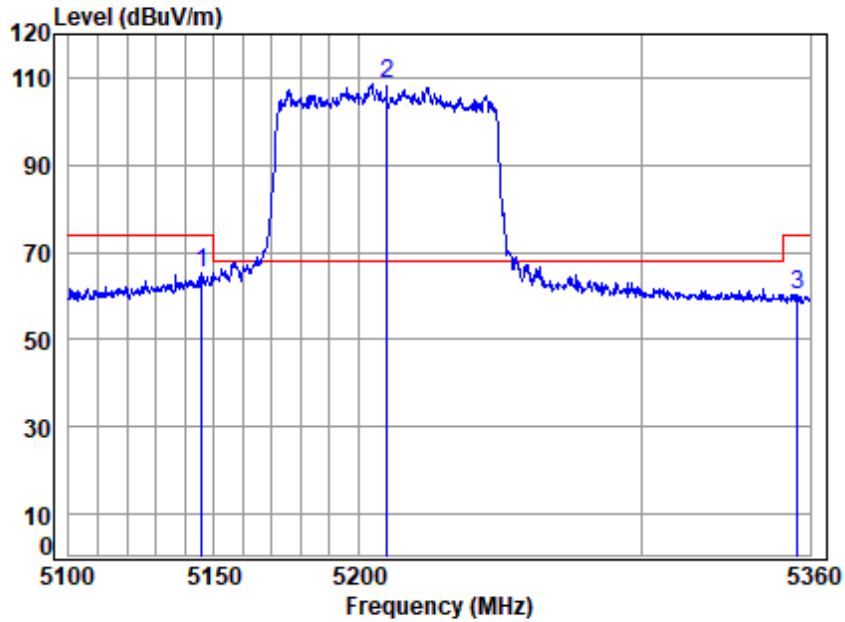
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.435	7.57	34.32	42.32	50.07	49.64	54.00	-4.36	Average
2	5210.000	7.68	34.37	42.32	87.02	86.75	-----	-----	Average
3	5358.667	7.94	34.49	42.34	49.58	49.67	54.00	-4.33	Average



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



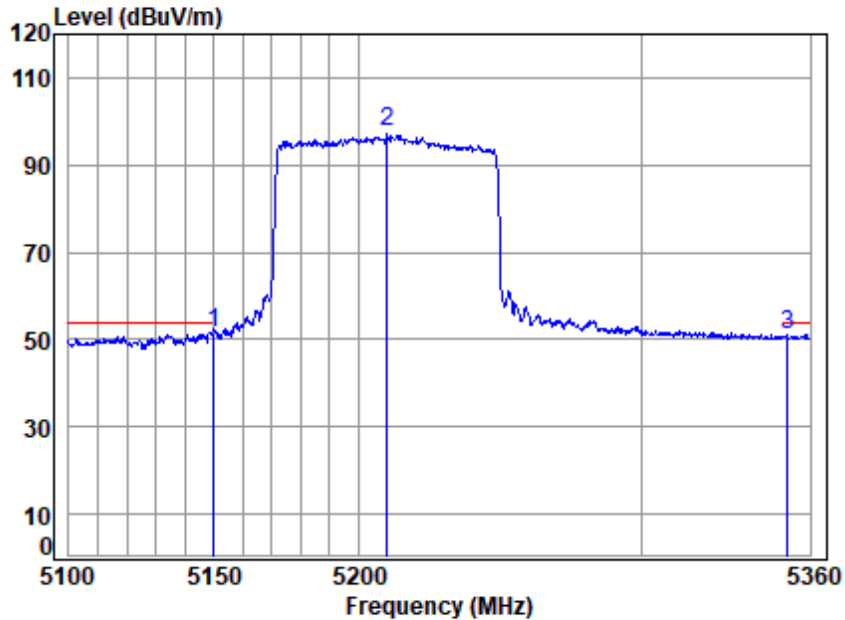
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5210 Band edge  
 : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5145.595	7.57	34.32	42.32	65.65	65.22	74.00	-8.78 Peak
2 *	5210.000	7.68	34.37	42.32	108.97	108.70	68.20	40.50 Peak
3	5355.471	7.93	34.49	42.34	60.31	60.39	74.00	-13.61 Peak



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



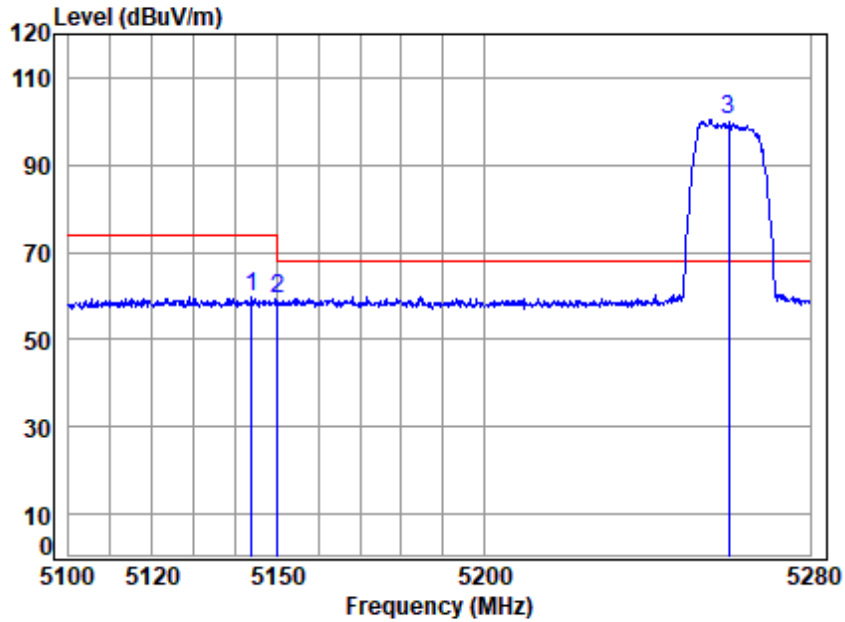
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5210 Band edge  
 : 5G WIFI 11AC80

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7.57	34.32	42.32	51.85	51.42	54.00	-2.58	Average
2	7.68	34.37	42.32	98.06	97.79	-----	-----	Average
3	7.93	34.49	42.34	50.99	51.07	54.00	-2.93	Average



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



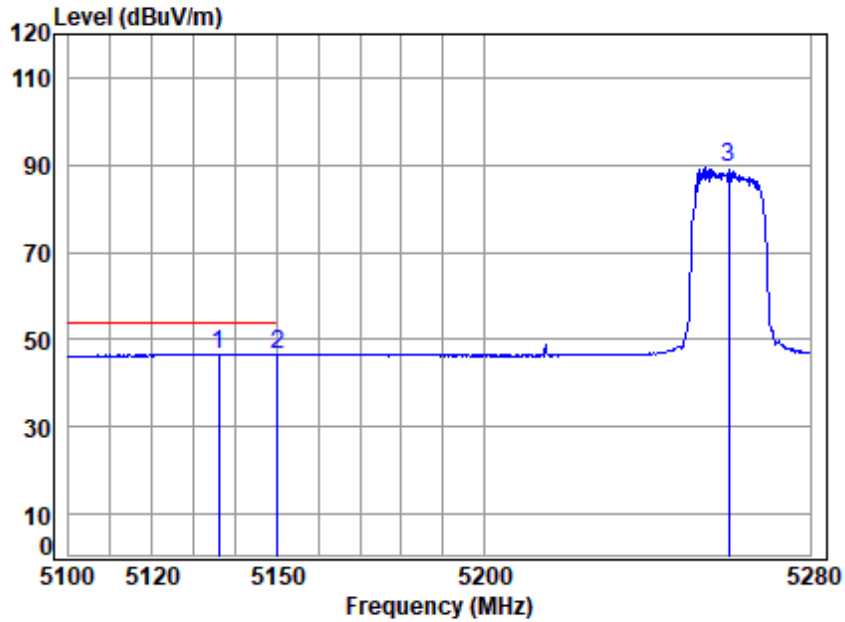
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5260 Band edge  
 : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5143.881	7.56	34.32	42.32	60.20	59.76	74.00 -14.24 peak
2	5149.980	7.57	34.32	42.32	59.88	59.45	74.00 -14.55 peak
3 *	5260.000	7.77	34.41	42.33	100.49	100.34	68.20 32.14 peak



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



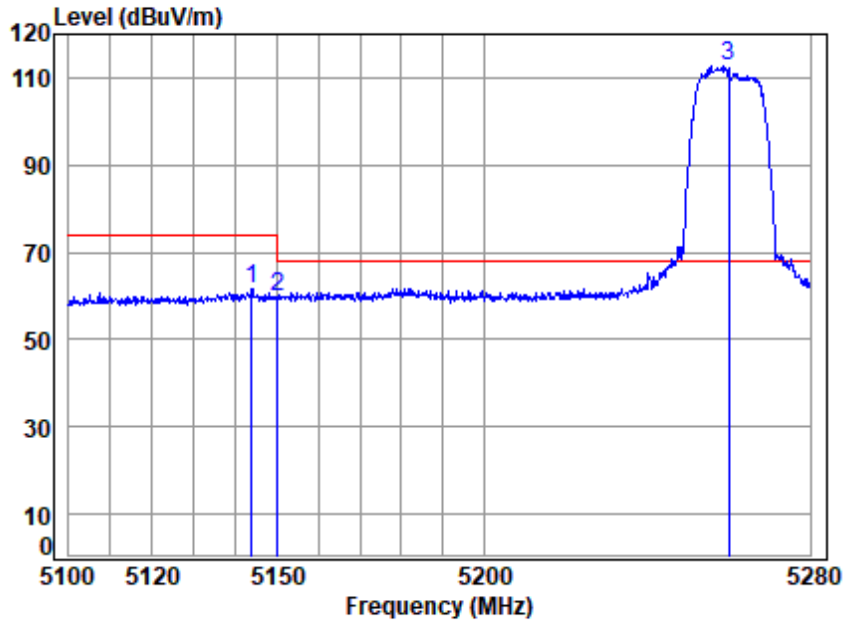
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5260 Band edge  
 : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5135.858	7.55	34.31	42.31	47.17	46.72	54.00	-7.28	Average
2	5149.980	7.57	34.32	42.32	46.97	46.54	54.00	-7.46	Average
3	5260.000	7.77	34.41	42.33	89.41	89.26	-----	-----	Average



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



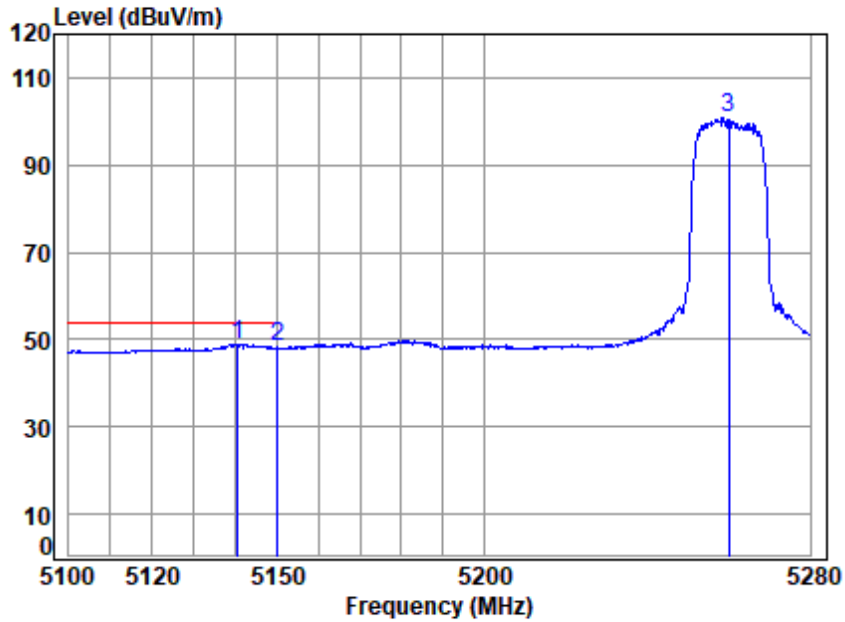
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5260 Band edge  
 : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5143.881	7.56	34.32	42.32	62.01	61.57	74.00 -12.43	Peak
2	5149.980	7.57	34.32	42.32	60.19	59.76	74.00 -14.24	Peak
3 *	5260.000	7.77	34.41	42.33	112.73	112.58	68.20 44.38	Peak



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



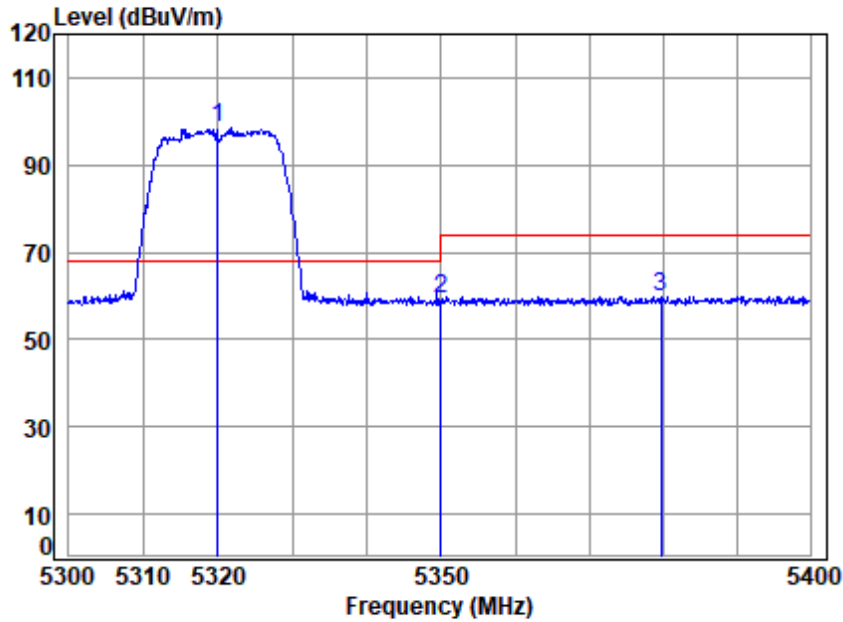
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5260 Band edge  
 : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5140.492	7.56	34.32	42.32	49.45	49.01	54.00	-4.99	Average
2	5149.980	7.57	34.32	42.32	48.62	48.19	54.00	-5.81	Average
3	5260.000	7.77	34.41	42.33	101.07	100.92	-----	-----	Average



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



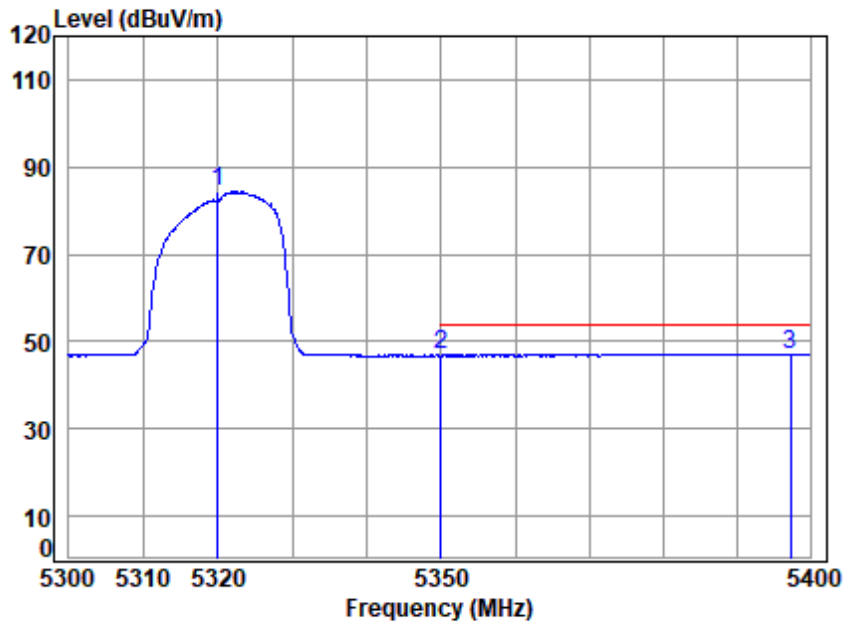
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5320 Band edge  
 : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5320.000	7.87	34.46	42.33	98.42	98.42	68.20	30.22 peak
2 5350.020	7.92	34.48	42.34	59.03	59.09	74.00	-14.91 peak
3 5379.750	7.98	34.51	42.34	59.76	59.91	74.00	-14.09 peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5320 Band edge  
 : 5G WIFI 11A

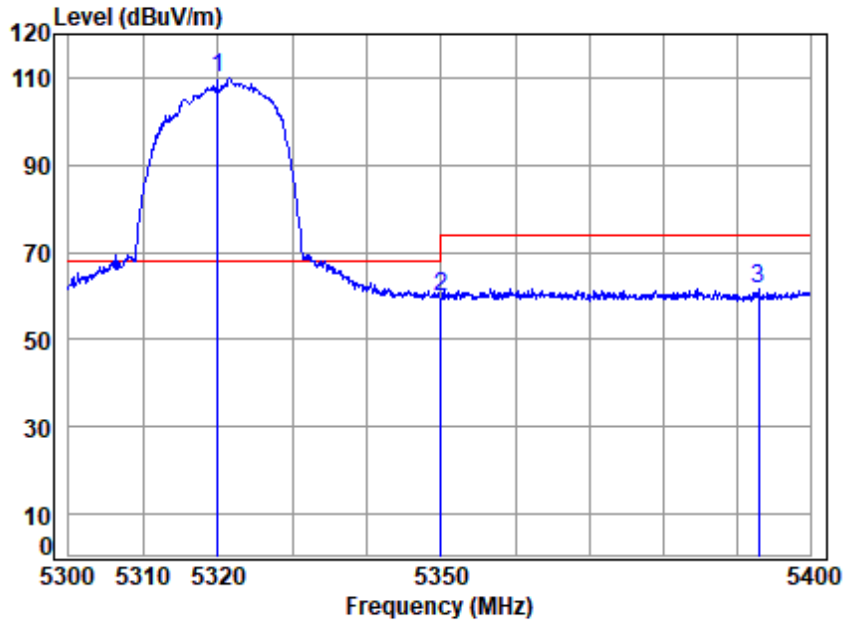
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7.87	34.46	42.33	84.27	84.27	-----	-----	Average
2	7.92	34.48	42.34	46.72	46.78	54.00	-7.22	Average
3	8.01	34.52	42.34	46.98	47.17	54.00	-6.83	Average



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



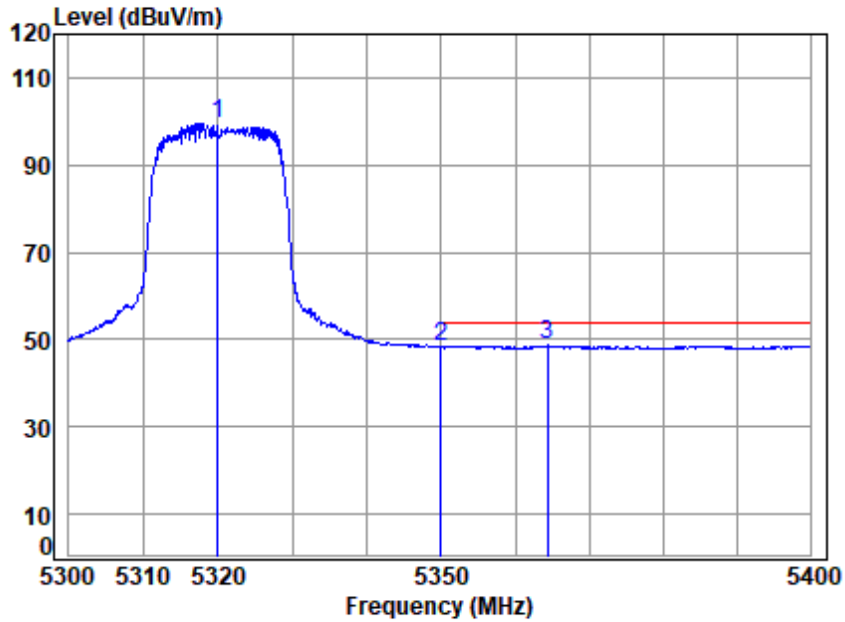
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5320 Band edge  
 : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5320.000	7.87	34.46	42.33	109.78	109.78	68.20	41.58
2 5350.020	7.92	34.48	42.34	59.67	59.73	74.00	-14.27
3 5392.939	8.00	34.52	42.34	61.53	61.71	74.00	-12.29



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



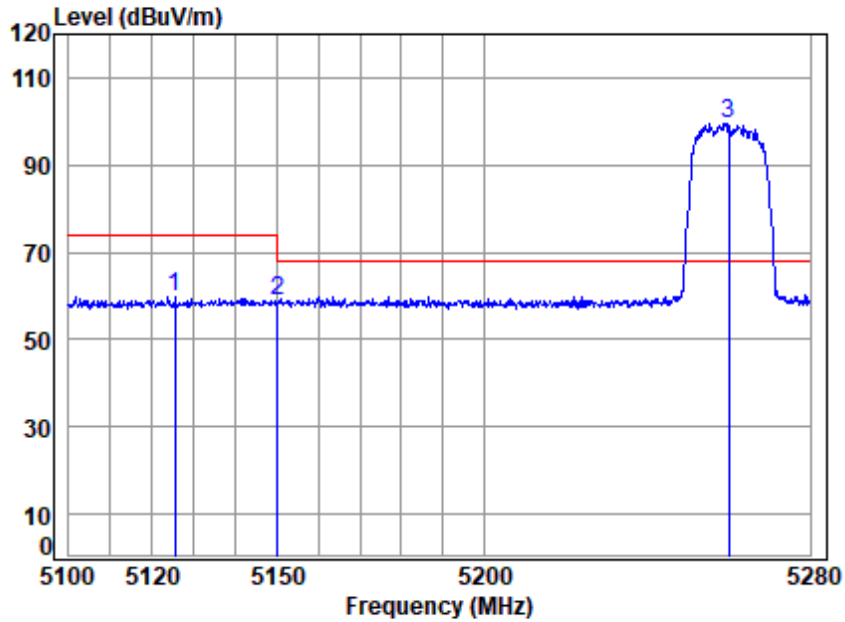
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5320 Band edge  
 : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	7.87	34.46	42.33	99.51	99.51	-----	-----	Average
2	5350.020	7.92	34.48	42.34	48.42	48.48	54.00	-5.52	Average
3	5364.386	7.95	34.50	42.34	48.51	48.62	54.00	-5.38	Average



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



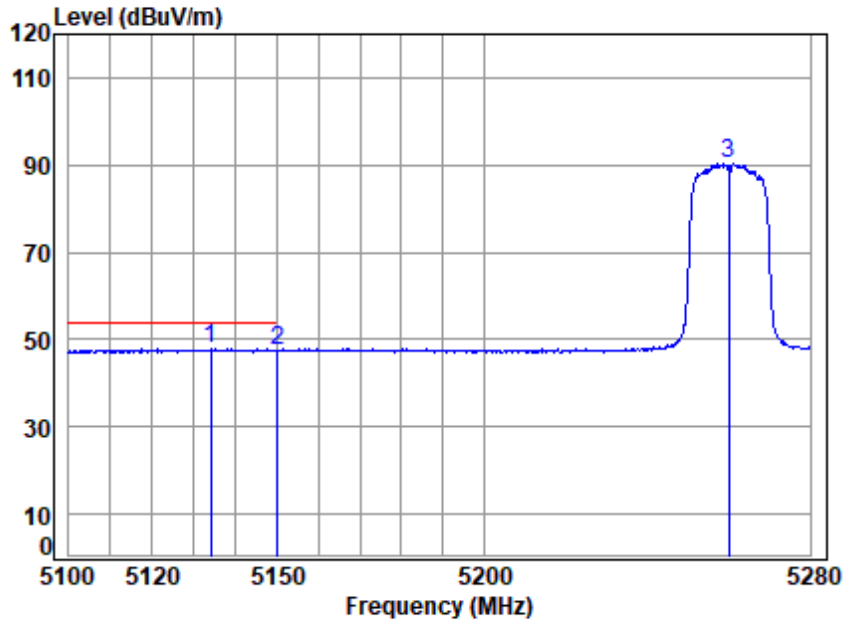
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5260 Band edge  
 : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5125.359	7.53	34.30	42.31	60.46	59.98	74.00	-14.02 peak
2	5149.980	7.57	34.32	42.32	59.39	58.96	74.00	-15.04 peak
3 *	5260.000	7.77	34.41	42.33	99.71	99.56	68.20	31.36 peak



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



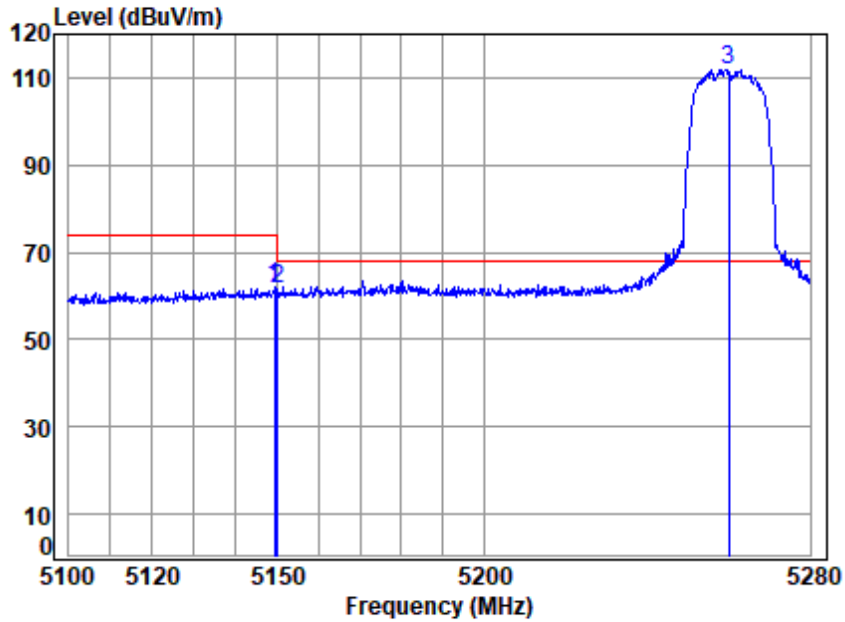
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5260 Band edge  
 : 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7.54	34.31	42.31	48.46	48.00	54.00	-6.00	Average
2	7.57	34.32	42.32	48.04	47.61	54.00	-6.39	Average
3	7.77	34.41	42.33	90.56	90.41	-----	-----	Average



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



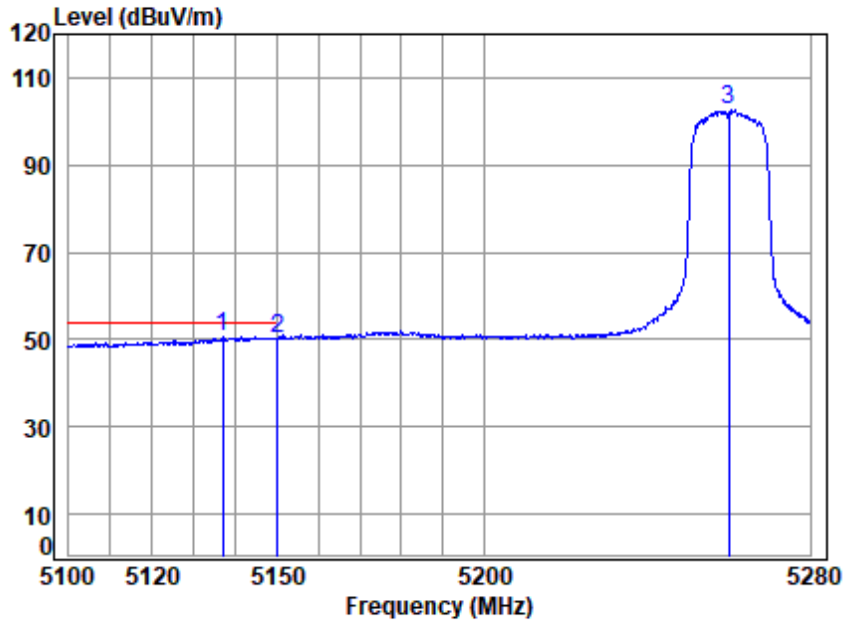
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5260 Band edge  
 : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.236	7.57	34.32	42.32	62.32	61.89	74.00	-12.11	Peak
2	5149.980	7.57	34.32	42.32	62.05	61.62	74.00	-12.38	Peak
3 *	5260.000	7.77	34.41	42.33	112.01	111.86	68.20	43.66	Peak



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



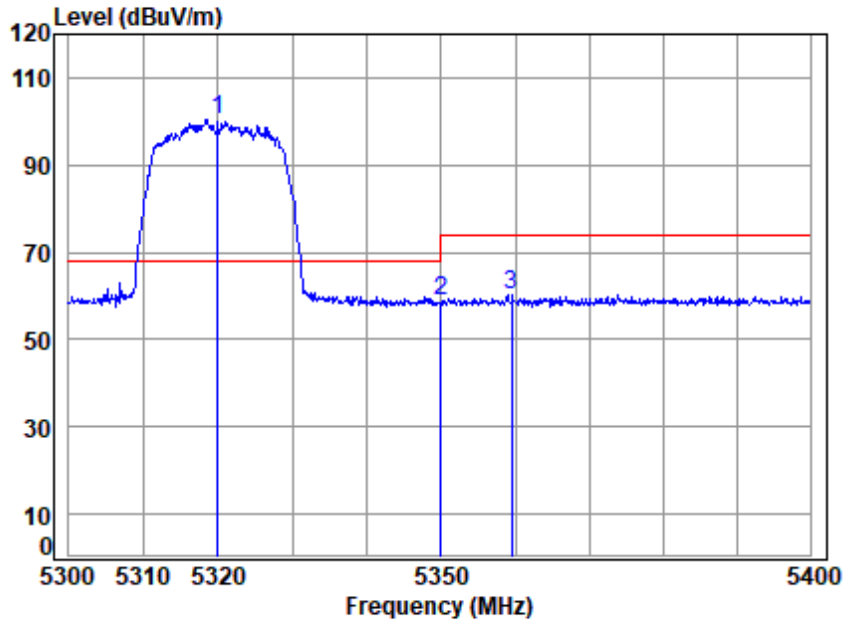
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5260 Band edge  
 : 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7.55	34.31	42.31	51.00	50.55	54.00	-3.45	Average
2	7.57	34.32	42.32	50.80	50.37	54.00	-3.63	Average
3	7.77	34.41	42.33	102.78	102.63	-----	-----	Average



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



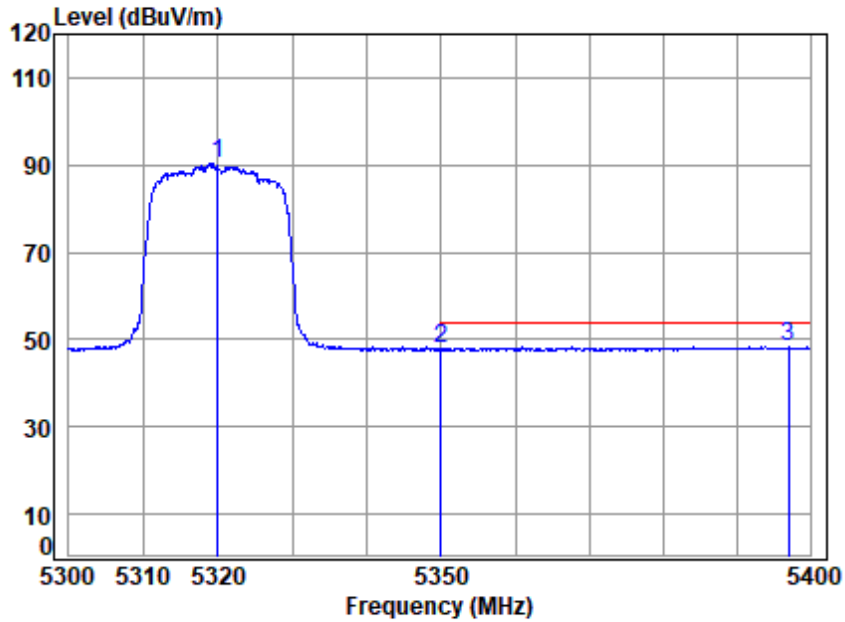
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5320 Band edge  
 : 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5320.000	7.87	34.46	42.33	100.34	100.34	68.20	32.14 peak
2 5350.020	7.92	34.48	42.34	58.84	58.90	74.00	-15.10 peak
3 5359.575	7.94	34.49	42.34	60.14	60.23	74.00	-13.77 peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5320 Band edge  
 : 5G WIFI 11N20

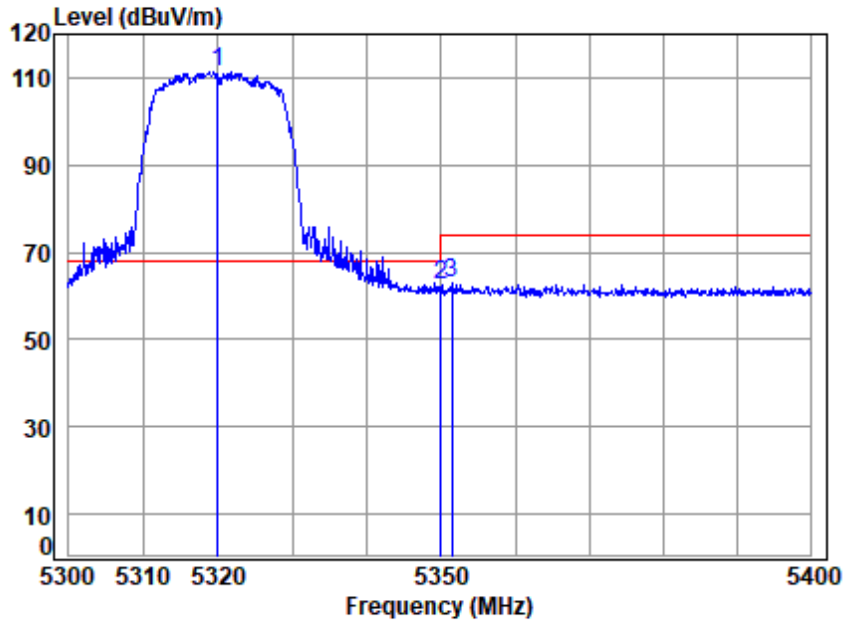
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	7.87	34.46	42.33	90.24	90.24	-----	-----	Average
2	5350.020	7.92	34.48	42.34	47.87	47.93	54.00	-6.07	Average
3	5397.074	8.01	34.52	42.34	48.12	48.31	54.00	-5.69	Average



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



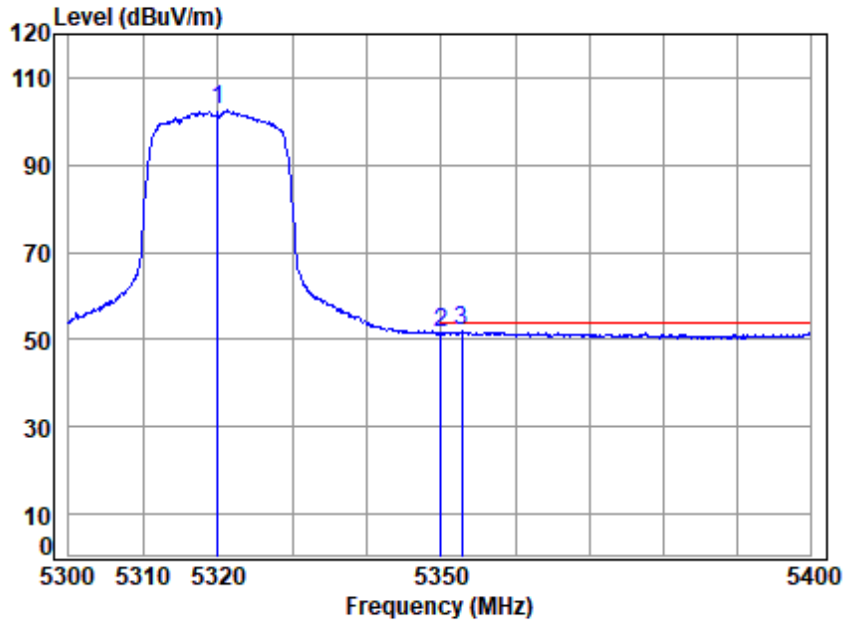
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5320 Band edge  
 : 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5320.000	7.87	34.46	42.33	111.33	111.33	68.20	43.13
2 5350.020	7.92	34.48	42.34	62.55	62.61	74.00	-11.39
3 5351.467	7.93	34.49	42.34	62.73	62.81	74.00	-11.19



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



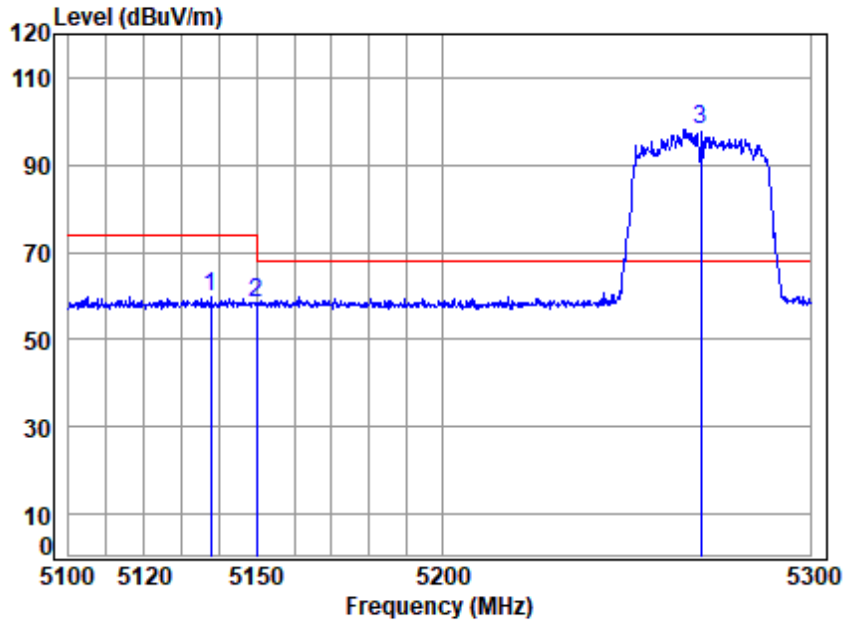
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5320 Band edge  
 : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	7.87	34.46	42.33	102.45	102.45	54.00	-48.45	Average
2	5350.020	7.92	34.48	42.34	51.69	51.75	54.00	-2.25	Average
3	5352.767	7.93	34.49	42.34	51.81	51.89	54.00	-2.11	Average



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



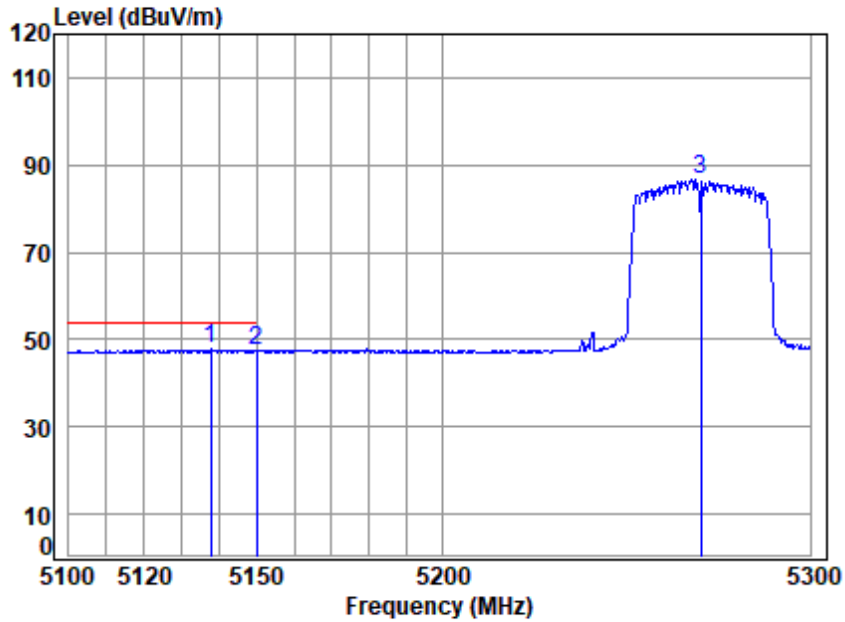
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5270 Band edge  
 : 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	7.55	34.31	42.31	60.37	59.92	74.00	-14.08 peak
2	7.57	34.32	42.32	58.92	58.49	74.00	-15.51 peak
3 *	7.79	34.42	42.33	98.23	98.11	68.20	29.91 peak



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



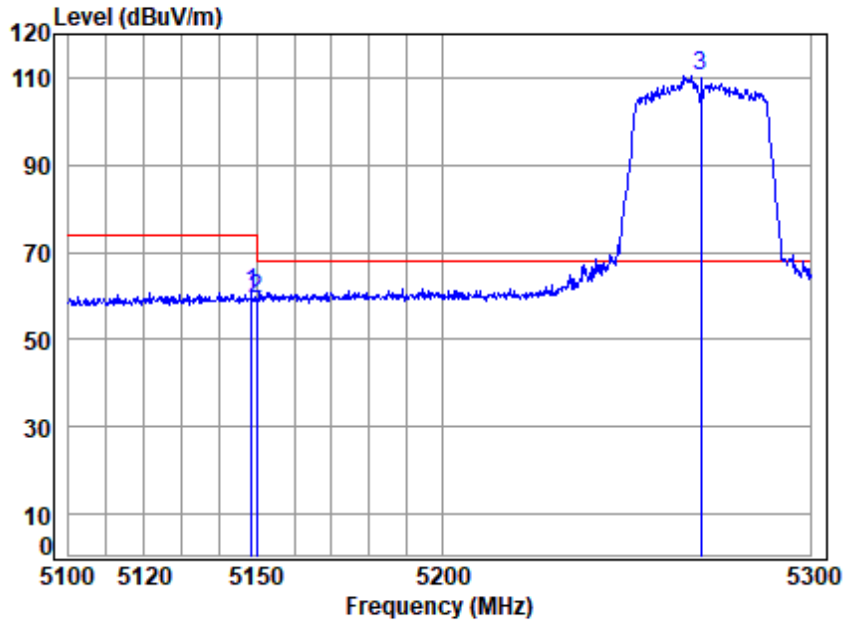
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5270 Band edge  
 : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5137.608	7.55	34.31	42.31	48.37	47.92	54.00	-6.08	Average
2	5149.980	7.57	34.32	42.32	47.99	47.56	54.00	-6.44	Average
3	5270.000	7.79	34.42	42.33	86.81	86.69	-----	-----	Average



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



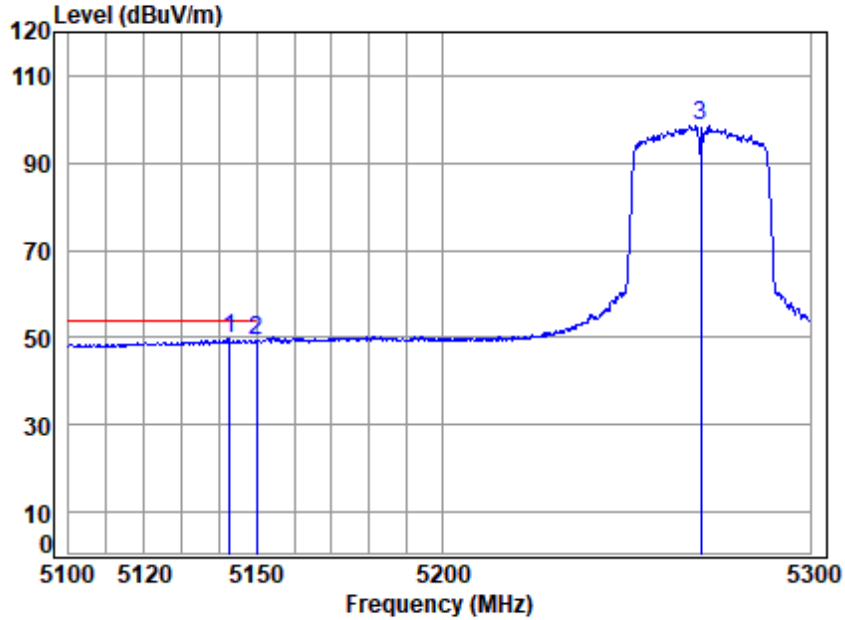
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5270 Band edge  
 : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.687	7.57	34.32	42.32	61.22	60.79	74.00	-13.21	Peak
2	5149.980	7.57	34.32	42.32	59.73	59.30	74.00	-14.70	Peak
3 *	5270.000	7.79	34.42	42.33	110.49	110.37	68.20	42.17	Peak



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



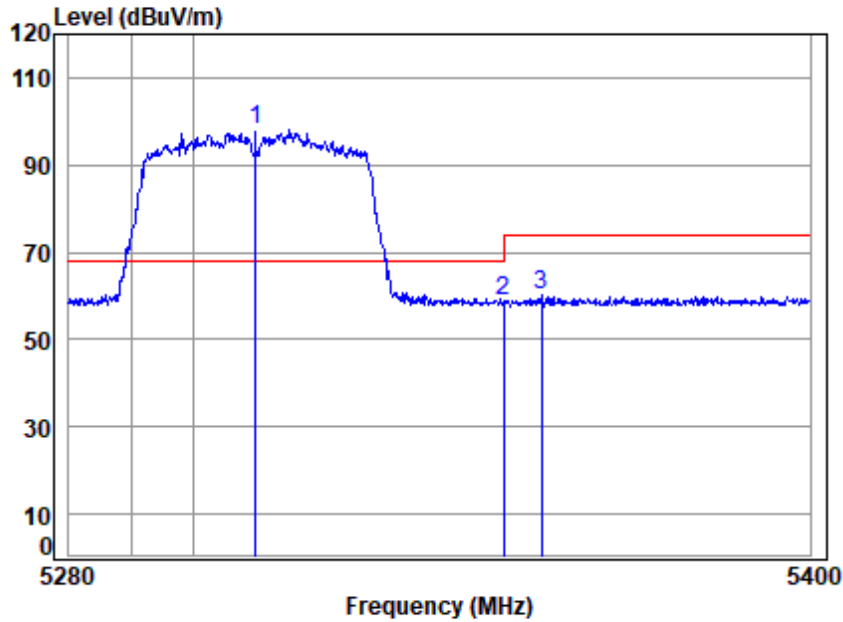
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5270 Band edge  
 : 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7.56	34.32	42.32	50.00	49.56	54.00	-4.44	Average
2	7.57	34.32	42.32	49.88	49.45	54.00	-4.55	Average
3	7.79	34.42	42.33	98.81	98.69	-----	-----	Average



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



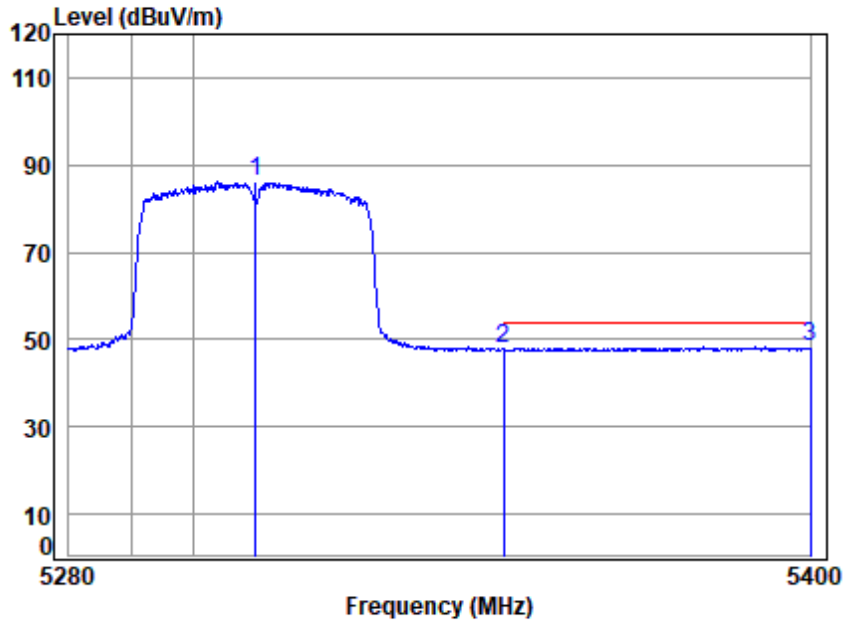
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5310 Band edge  
 : 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5310.000	7.86	34.45	42.33	98.22	98.20	68.20	30.00 peak
2 5350.020	7.92	34.48	42.34	58.71	58.77	74.00	-15.23 peak
3 5356.248	7.94	34.49	42.34	60.02	60.11	74.00	-13.89 peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5310 Band edge  
 : 5G WIFI 11N40

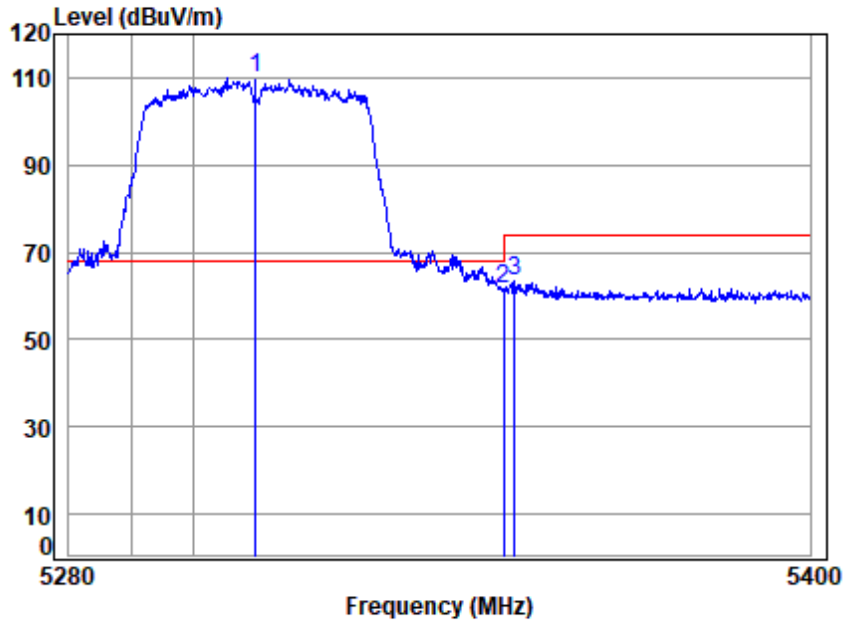
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5310.000	7.86	34.45	42.33	86.20	86.18	-----	-----	Average
2	5350.020	7.92	34.48	42.34	47.92	47.98	54.00	-6.02	Average
3	5400.000	8.01	34.52	42.34	48.03	48.22	54.00	-5.78	Average



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



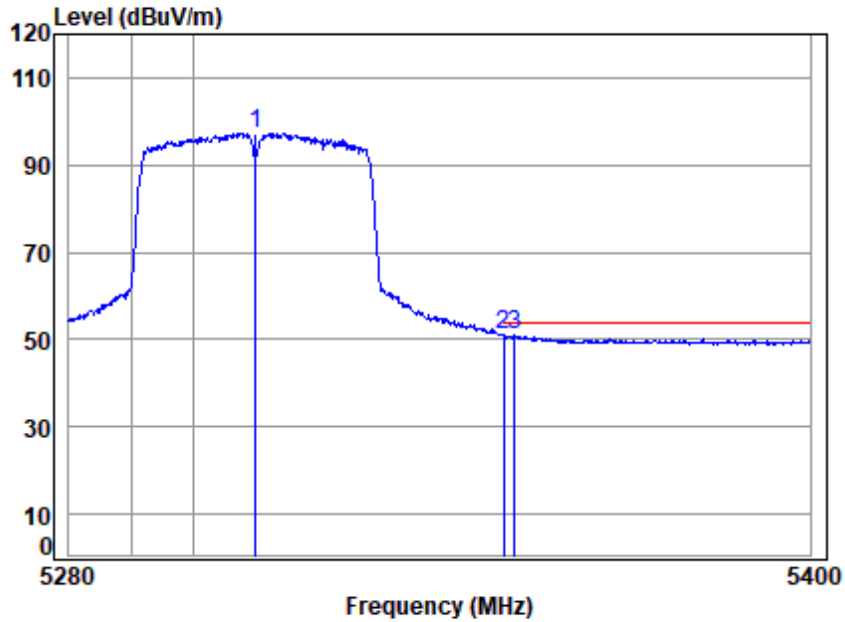
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5310 Band edge  
 : 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5310.000	7.86	34.45	42.33	109.92	109.90	68.20	41.70
2 5350.020	7.92	34.48	42.34	61.61	61.67	74.00	-12.33
3 5351.796	7.93	34.49	42.34	63.17	63.25	74.00	-10.75



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



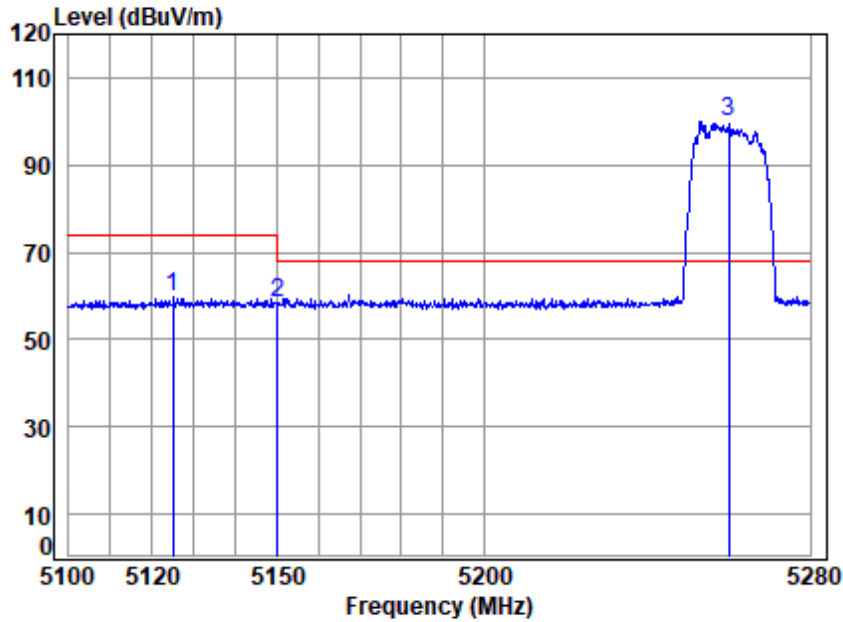
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5310 Band edge  
 : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5310.000	7.86	34.45	42.33	97.31	97.29	-----	Average
2	5350.020	7.92	34.48	42.34	51.17	51.23	54.00	-2.77 Average
3	5351.796	7.93	34.49	42.34	50.82	50.90	54.00	-3.10 Average



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



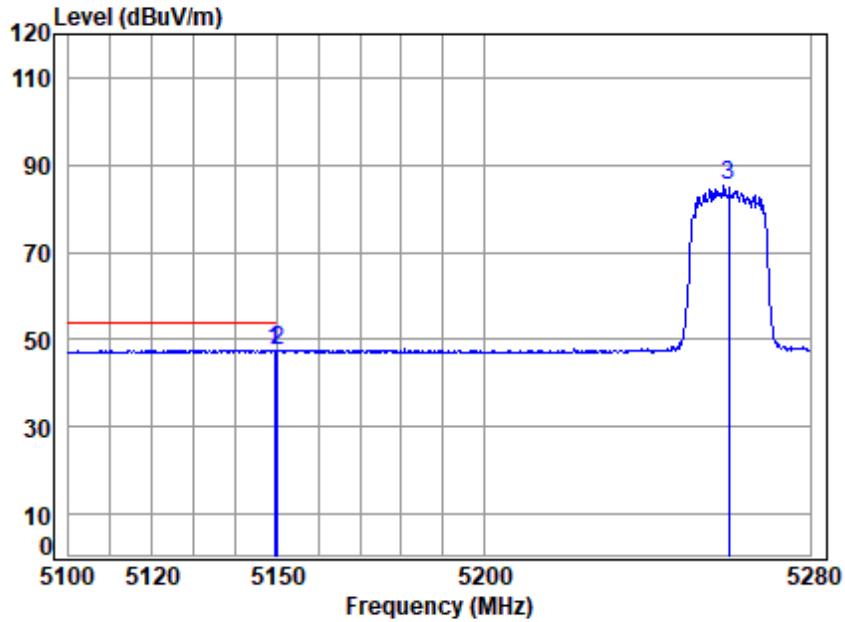
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5260 Band edge  
 : 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	7.53	34.30	42.31	60.32	59.84	74.00	-14.16 peak
2	7.57	34.32	42.32	58.92	58.49	74.00	-15.51 peak
3 *	7.77	34.41	42.33	99.98	99.83	68.20	31.63 peak



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



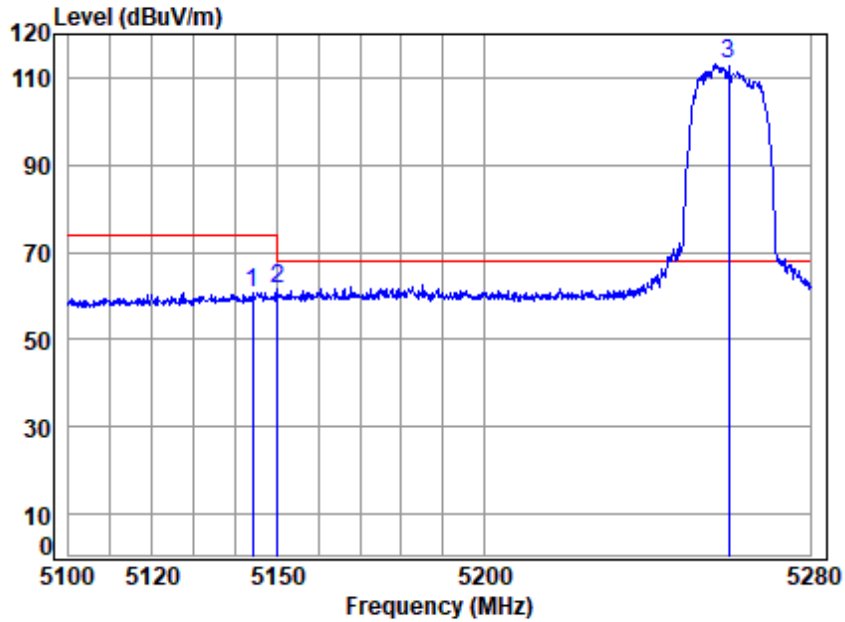
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5260 Band edge  
 : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5149.415	7.57	34.32	42.32	48.09	47.66	54.00	-6.34 Average
2	5149.980	7.57	34.32	42.32	47.84	47.41	54.00	-6.59 Average
3	5260.000	7.77	34.41	42.33	85.30	85.15	-----	----- Average



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



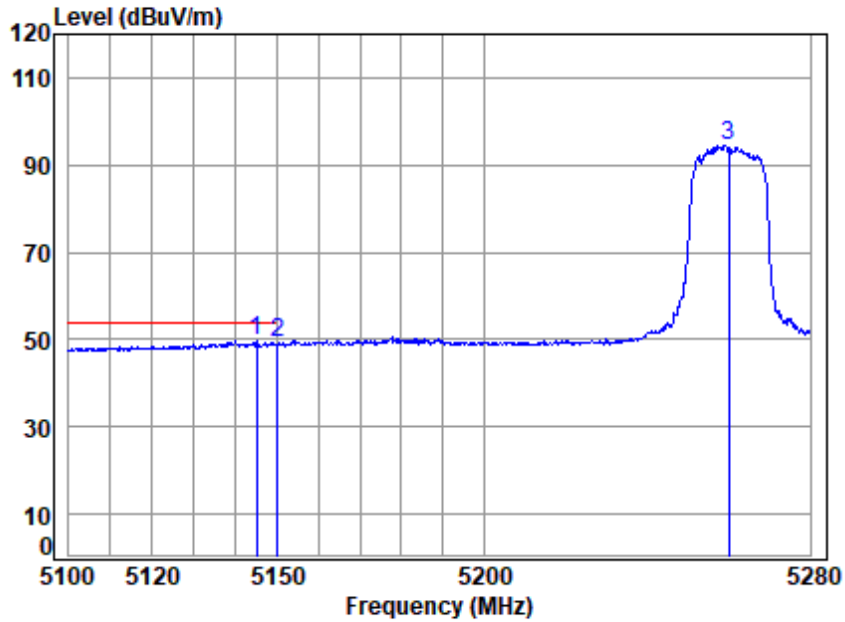
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5260 Band edge  
 : 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5144.060	7.56	34.32	42.32	61.11	60.67	74.00 -13.33	Peak
2	5149.980	7.57	34.32	42.32	62.19	61.76	74.00 -12.24	Peak
3 *	5260.000	7.77	34.41	42.33	113.18	113.03	68.20 44.83	Peak



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



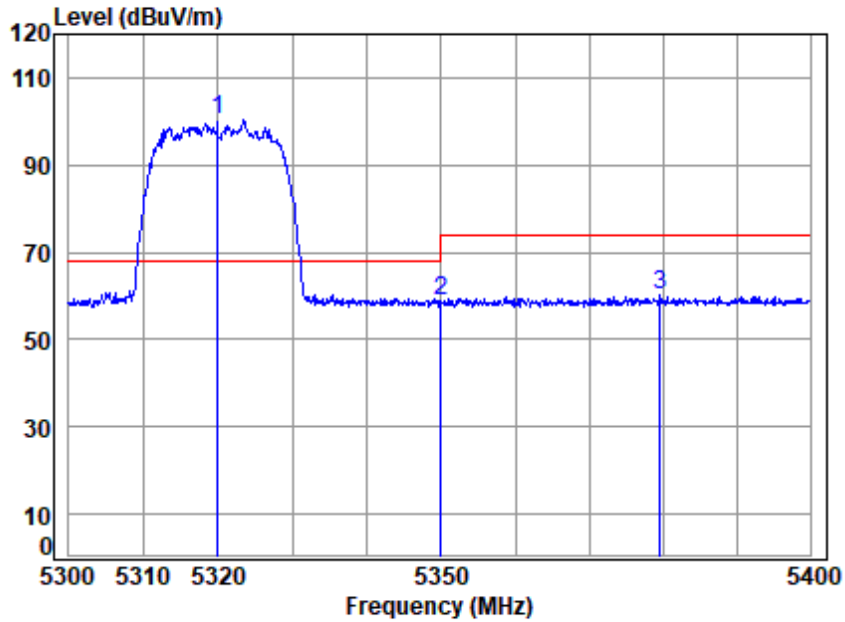
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5260 Band edge  
 : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5144.952	7.56	34.32	42.32	50.14	49.70	54.00	-4.30 Average
2	5149.980	7.57	34.32	42.32	49.66	49.23	54.00	-4.77 Average
3	5260.000	7.77	34.41	42.33	94.75	94.60	-----	----- Average



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



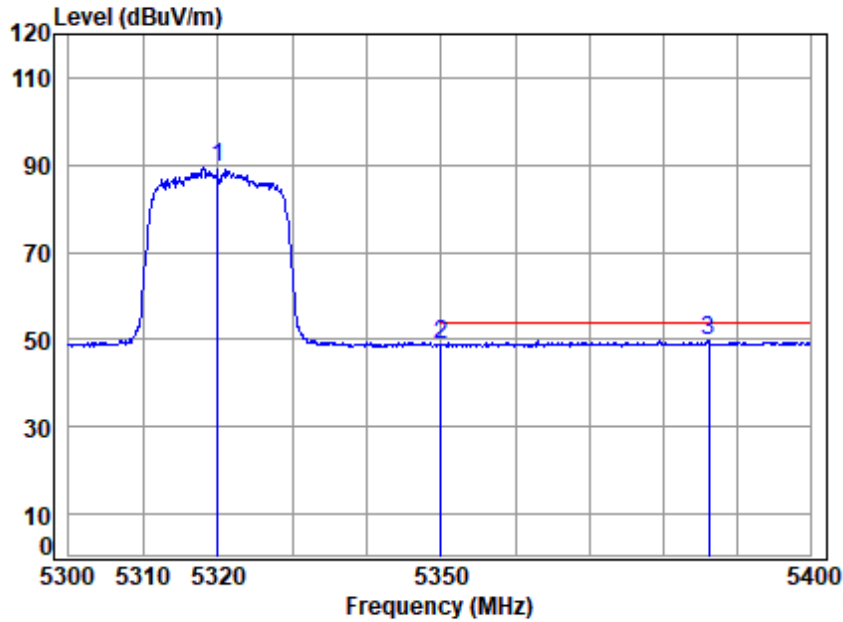
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5320 Band edge  
 : 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5320.000	7.87	34.46	42.33	100.16	100.16	68.20	31.96 peak
2 5350.020	7.92	34.48	42.34	58.83	58.89	74.00	-15.11 peak
3 5379.548	7.98	34.51	42.34	59.85	60.00	74.00	-14.00 peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5320 Band edge  
 : 5G WIFI 11AC20

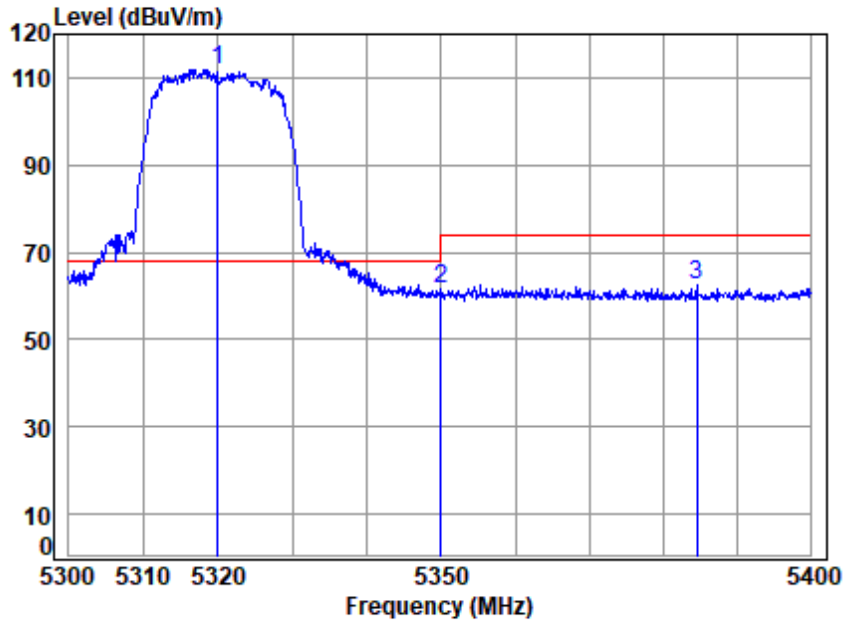
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5320.000	7.87	34.46	42.33	89.56	89.56	-----	Average
2	5350.020	7.92	34.48	42.34	48.87	48.93	54.00	-5.07 Average
3	5386.189	7.99	34.51	42.34	49.67	49.83	54.00	-4.17 Average



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



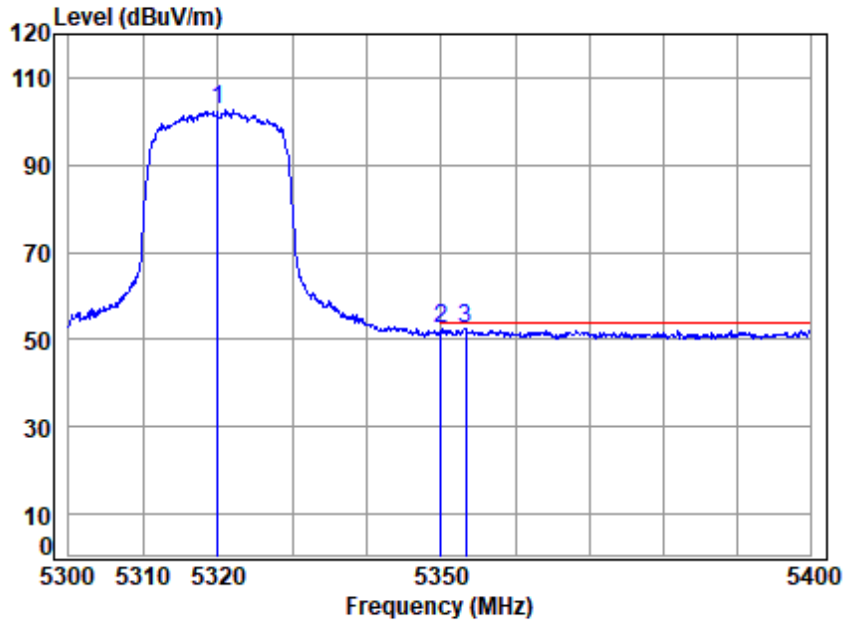
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5320 Band edge  
 : 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5320.000	7.87	34.46	42.33	111.94	111.94	68.20	43.74 Peak
2 5350.020	7.92	34.48	42.34	61.62	61.68	74.00	-12.32 Peak
3 5384.579	7.98	34.51	42.34	62.38	62.53	74.00	-11.47 Peak



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



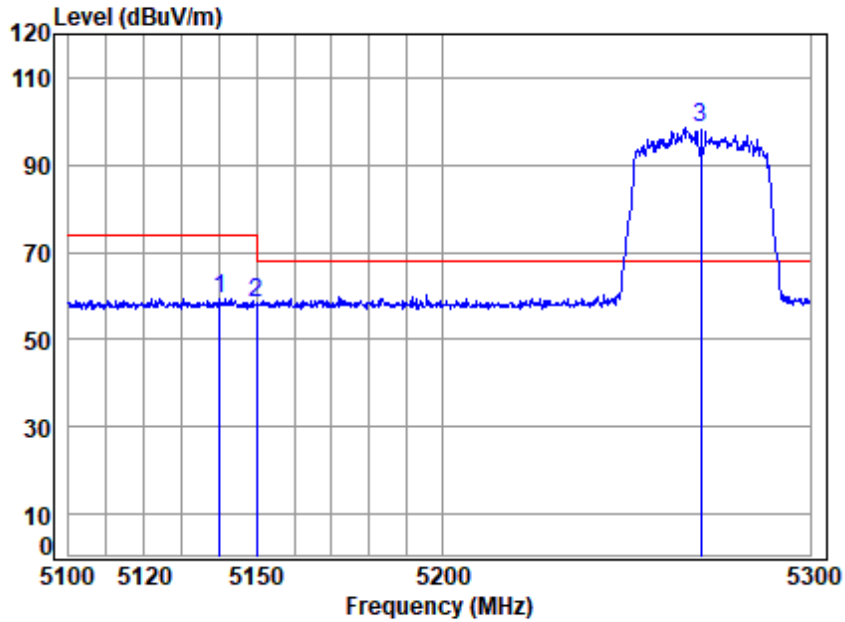
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5320 Band edge  
 : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	7.87	34.46	42.33	102.61	102.61	-----	-----	Average
2	5350.020	7.92	34.48	42.34	52.27	52.33	54.00	-1.67	Average
3	5353.268	7.93	34.49	42.34	52.61	52.69	54.00	-1.31	Average



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



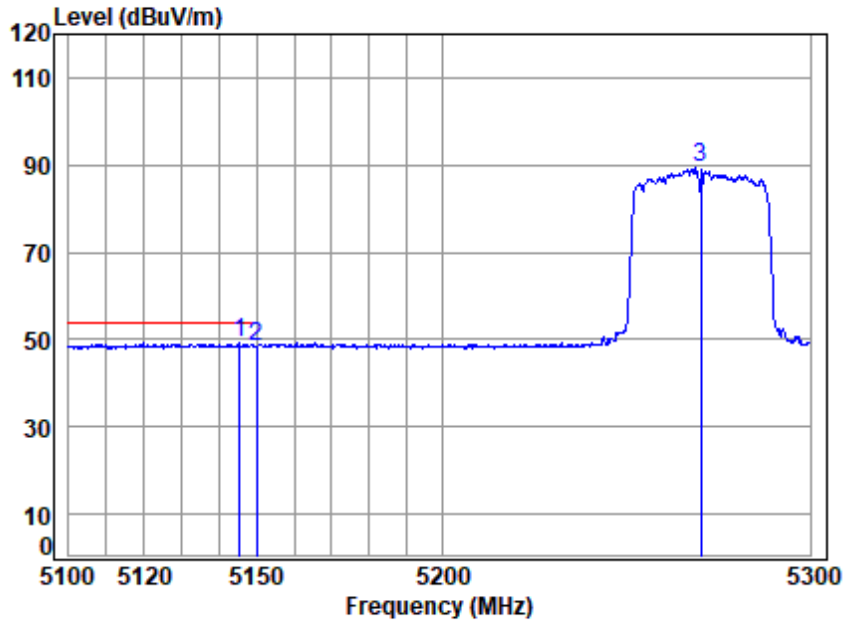
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5270 Band edge  
 : 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5140.178	7.56	34.32	42.32	59.95	59.51	74.00	-14.49 peak
2	5149.980	7.57	34.32	42.32	58.75	58.32	74.00	-15.68 peak
3 *	5270.000	7.79	34.42	42.33	98.46	98.34	68.20	30.14 peak



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



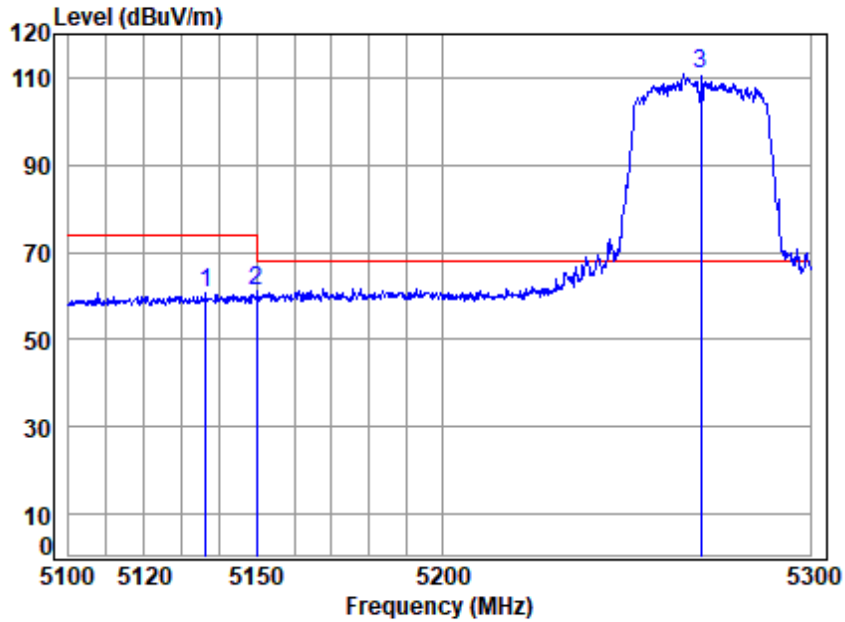
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5270 Band edge  
 : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5145.321	7.56	34.32	42.32	49.63	54.00	-4.81	Average
2	5149.980	7.57	34.32	42.32	48.99	54.00	-5.44	Average
3	5270.000	7.79	34.42	42.33	89.34	-----	-----	Average



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



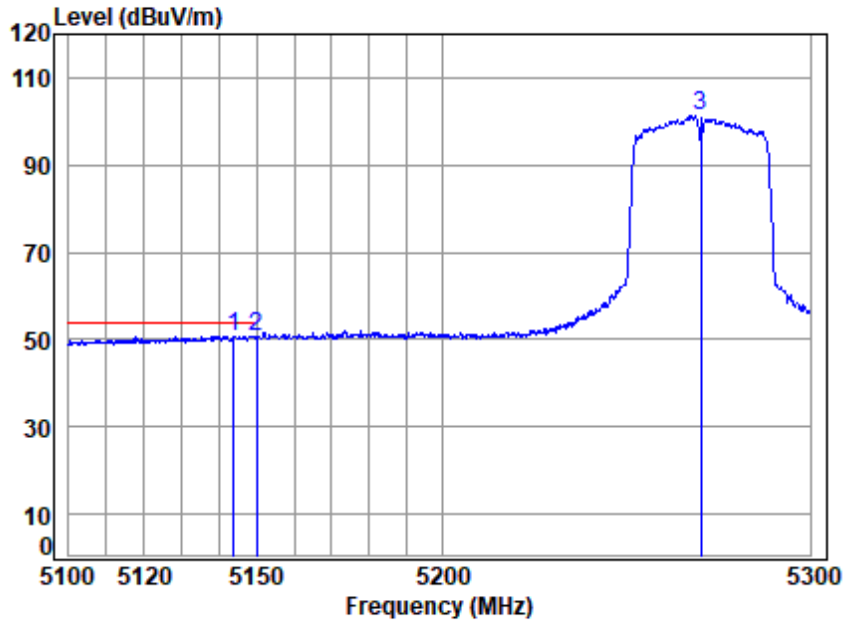
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5270 Band edge  
 : 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	7.55	34.31	42.31	61.14	60.69	74.00	-13.31
2	7.57	34.32	42.32	61.40	60.97	74.00	-13.03
3 *	7.79	34.42	42.33	111.05	110.93	68.20	42.73



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



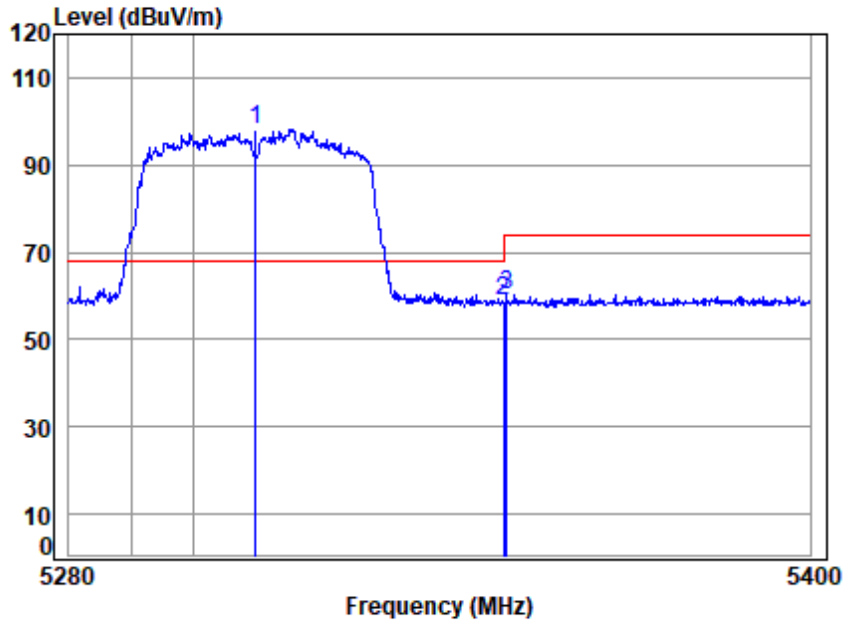
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5270 Band edge  
 : 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5143.738	7.56	34.32	42.32	51.25	50.81	54.00	-3.19 Average
2	5149.980	7.57	34.32	42.32	51.25	50.82	54.00	-3.18 Average
3	5270.000	7.79	34.42	42.33	101.48	101.36	-----	----- Average



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



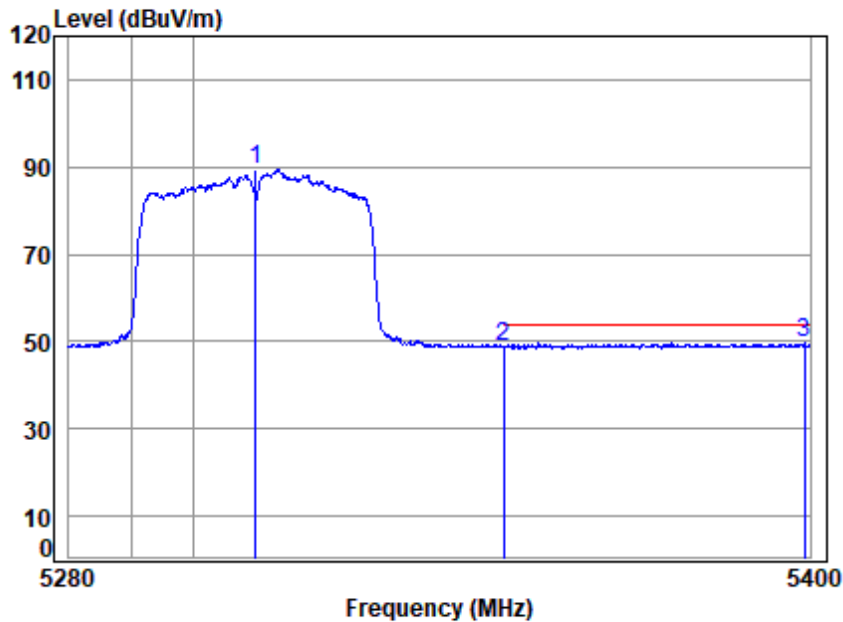
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5310 Band edge  
 : 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 *	7.86	34.45	42.33	98.03	98.01	68.20	29.81 peak
2	7.92	34.48	42.34	59.00	59.06	74.00	-14.94 peak
3	7.93	34.48	42.34	60.15	60.22	74.00	-13.78 peak



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



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 02038CR  
Mode : 5310 Band edge  
: 5G WIFI 11AC40

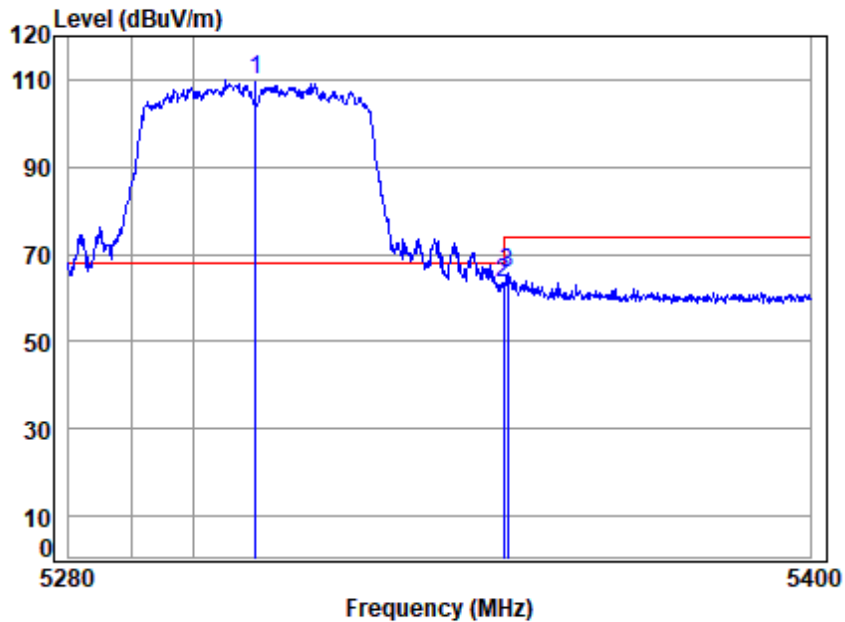
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5310.000	7.86	34.45	42.33	89.66	89.64	-----	Average
2	5350.020	7.92	34.48	42.34	48.89	48.95	54.00	-5.05 Average
3	5399.150	8.01	34.52	42.34	49.40	49.59	54.00	-4.41 Average



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



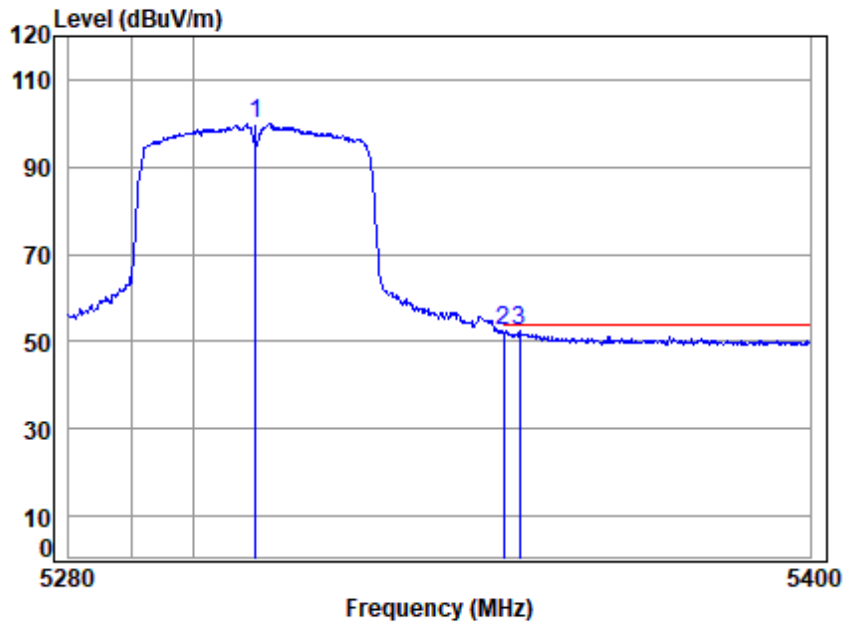
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5310 Band edge  
 : 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5310.000	7.86	34.45	42.33	109.81	109.79	68.20	41.59
2 5350.020	7.92	34.48	42.34	63.23	63.29	74.00	-10.71
3 5350.714	7.93	34.48	42.34	65.73	65.80	74.00	-8.20



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



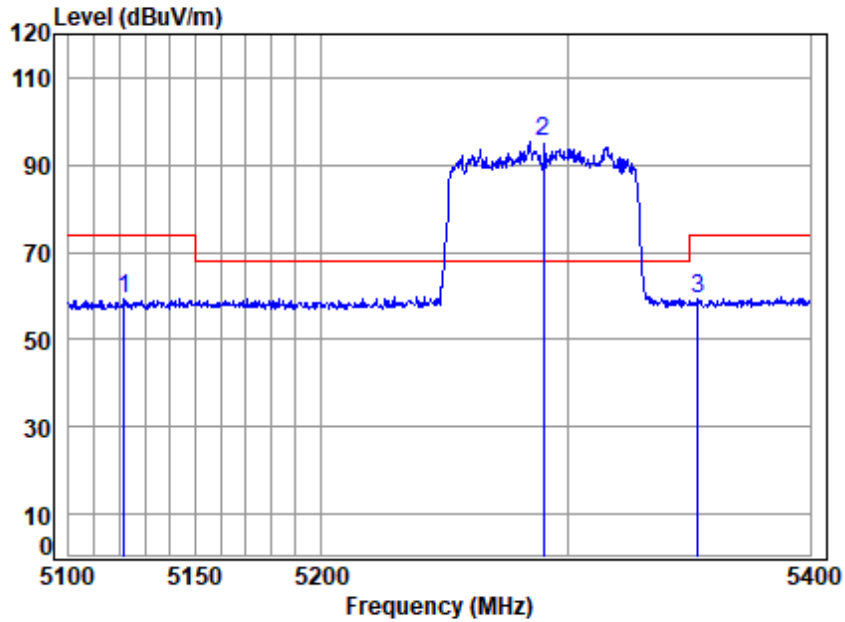
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5310 Band edge  
 : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5310.000	7.86	34.45	42.33	99.92	99.90	-----	-----	Average
2	5350.020	7.92	34.48	42.34	52.29	52.35	54.00	-1.65	Average
3	5352.638	7.93	34.49	42.34	52.30	52.38	54.00	-1.62	Average



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



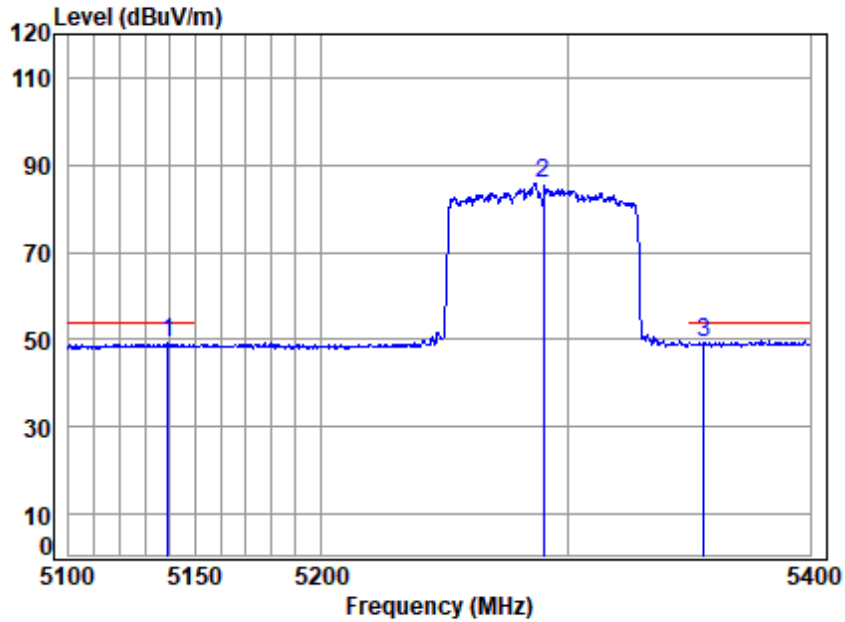
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5290 Band edge  
 : 5G WIFI 11AC80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	7.52	34.30	42.31	59.76	59.27	74.00	-14.73 peak
2 *	7.82	34.44	42.33	95.30	95.23	68.20	27.03 peak
3	7.93	34.49	42.34	59.43	59.51	74.00	-14.49 peak



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



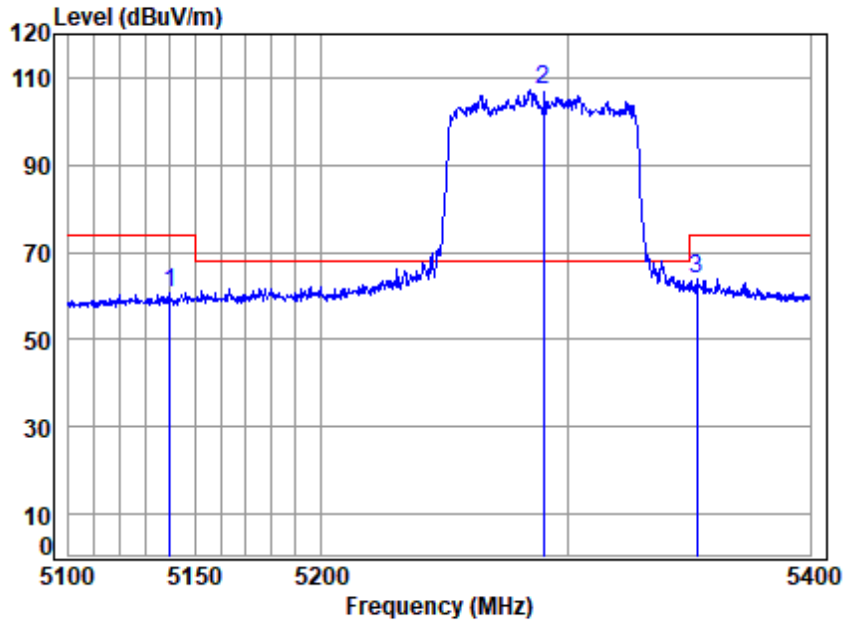
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5290 Band edge  
 : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5139.212	7.55	34.32	42.32	49.51	54.00	-4.94	Average
2	5290.000	7.82	34.44	42.33	85.94	-----	-----	Average
3	5356.042	7.94	34.49	42.34	49.40	54.00	-4.51	Average



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



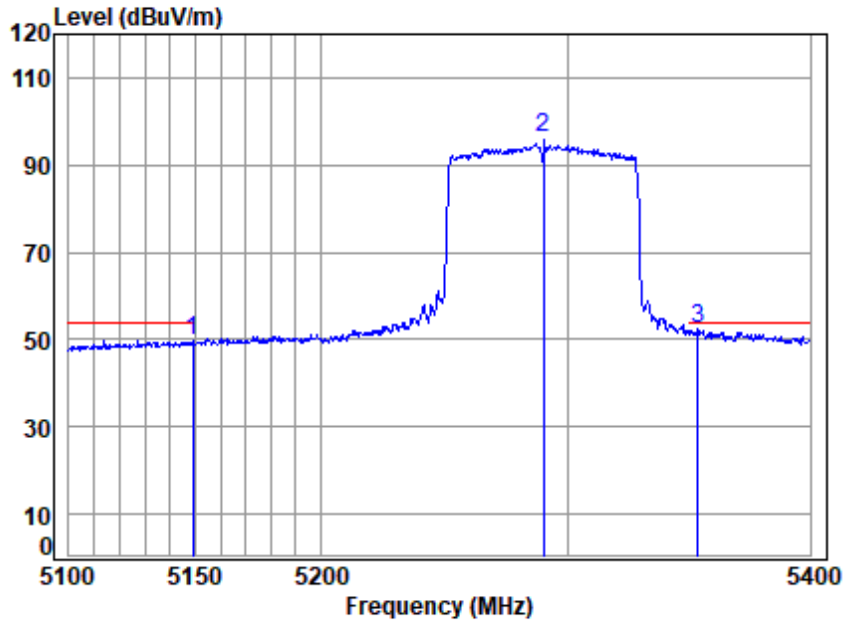
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5290 Band edge  
 : 5G WIFI 11AC80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	7.55	34.32	42.32	61.11	60.66	74.00	-13.34
2 *	7.82	34.44	42.33	107.37	107.30	68.20	39.10
3	7.93	34.49	42.34	63.66	63.74	74.00	-10.26



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



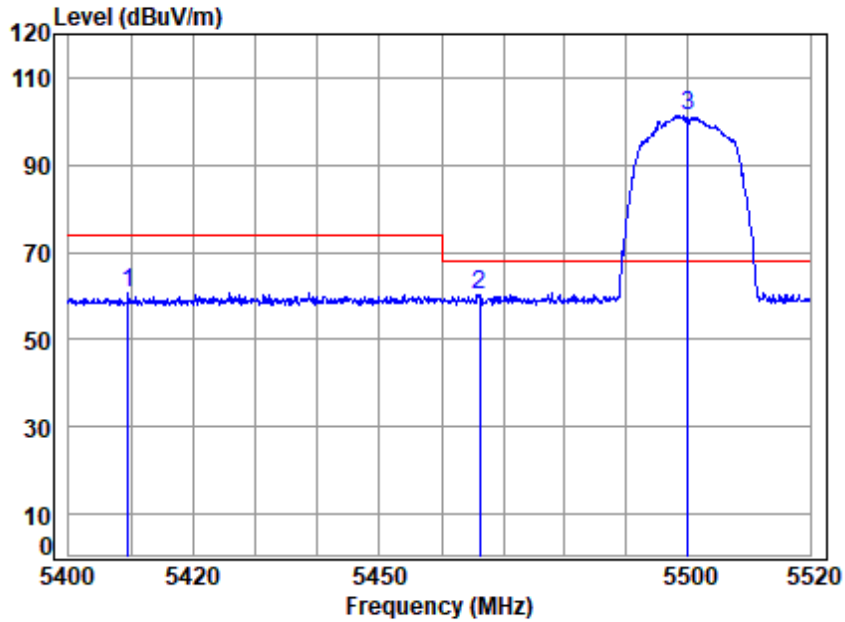
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5290 Band edge  
 : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5149.209	7.57	34.32	42.32	50.10	54.00	-4.33	Average
2	5290.000	7.82	34.44	42.33	96.13	-----	-----	Average
3	5353.594	7.93	34.49	42.34	52.21	54.00	-1.71	Average



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



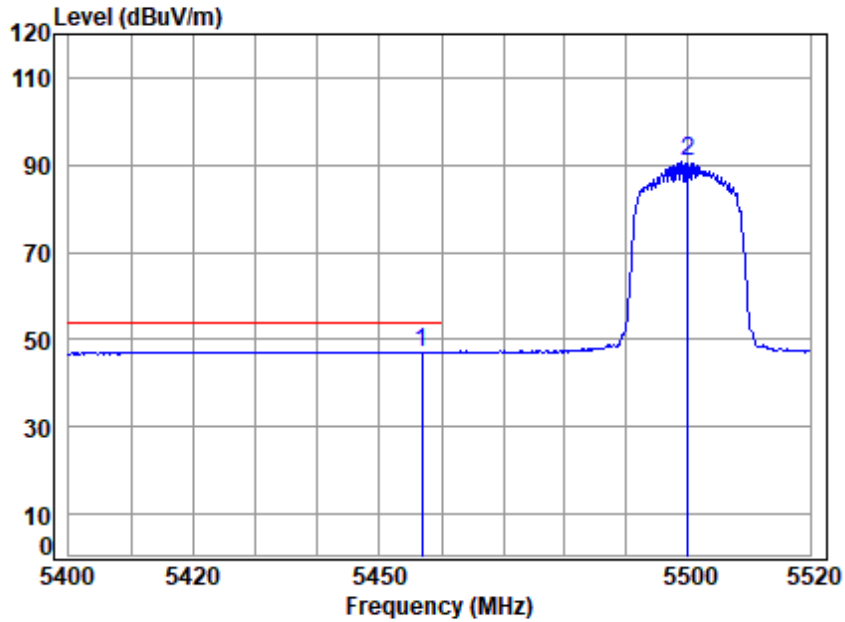
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5500 Band edge  
 : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	8.03	34.53	42.34	60.30	60.52	74.00	-13.48 peak
2	8.12	34.57	42.35	59.75	60.09	68.20	-8.11 peak
3 *	8.18	34.60	42.35	100.99	101.42	68.20	33.22 peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5500 Band edge  
 : 5G WIFI 11A

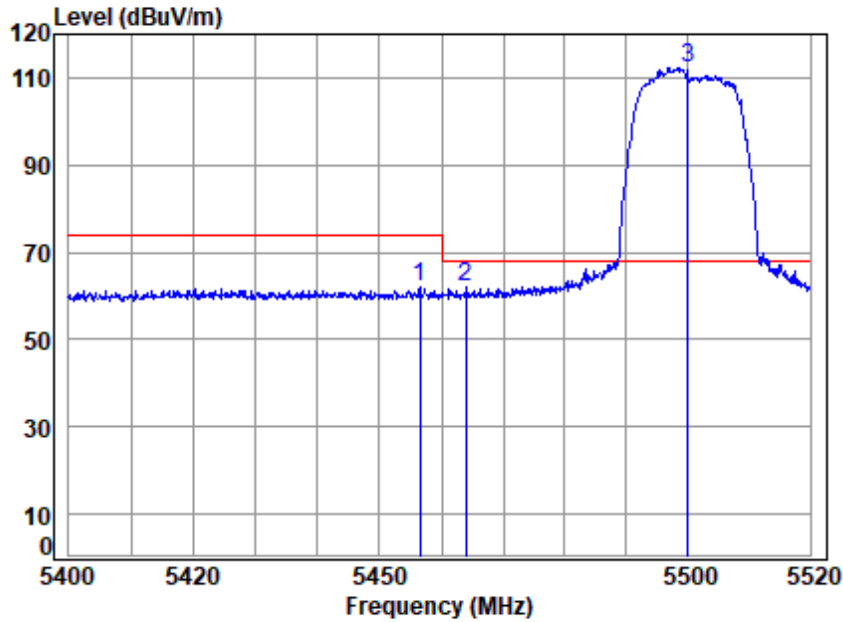
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5456.911	8.11	34.57	42.35	46.88	47.21	54.00	-6.79	Average
2	5500.000	8.18	34.60	42.35	90.19	90.62	-----	-----	Average



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



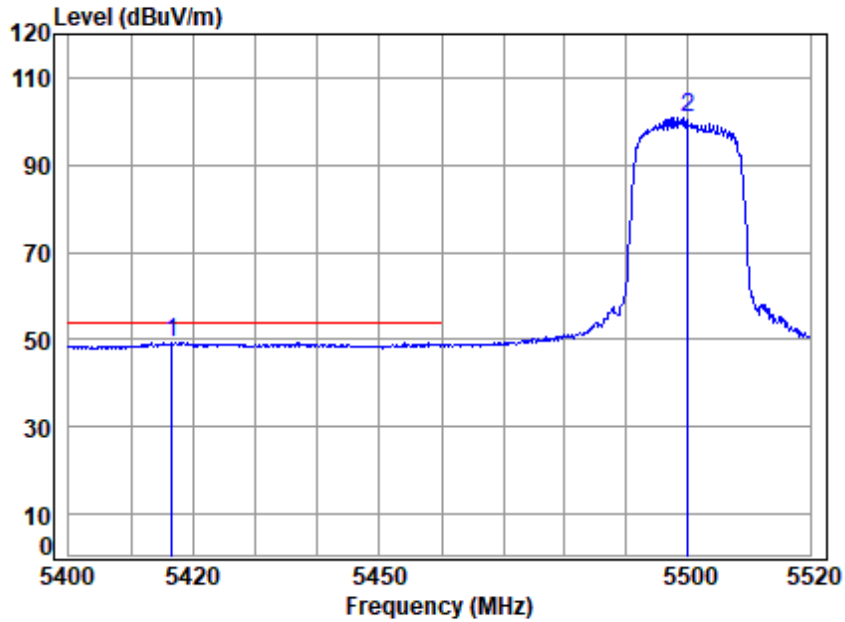
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5500 Band edge  
 : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	8.11	34.57	42.35	61.75	62.08	74.00	-11.92
2	8.12	34.57	42.35	61.59	61.93	68.20	-6.27
3 *	8.18	34.60	42.35	111.76	112.19	68.20	43.99



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



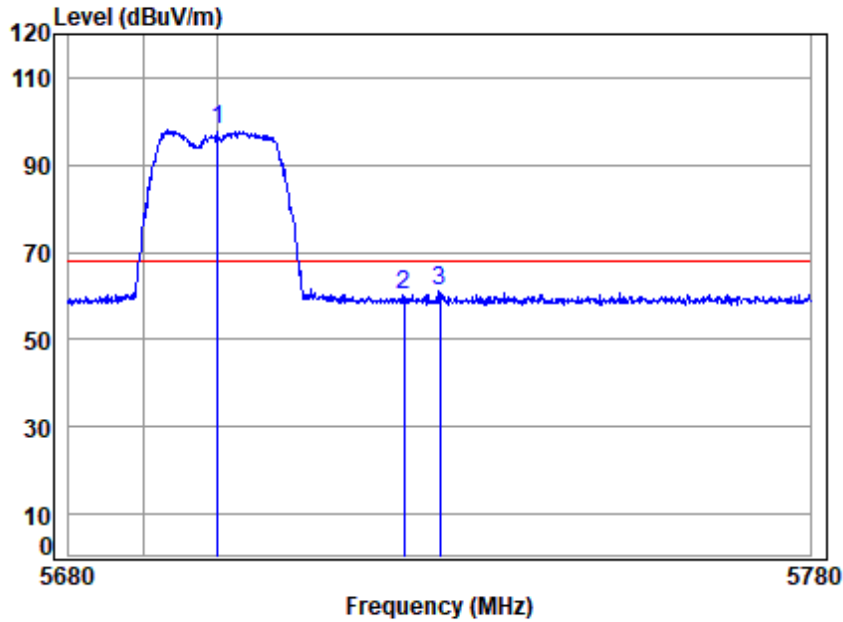
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5500 Band edge  
 : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5416.522	8.04	34.54	42.34	49.02	49.26	54.00	-4.74	Average
2	5500.000	8.18	34.60	42.35	100.59	101.02	-----	-----	Average



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



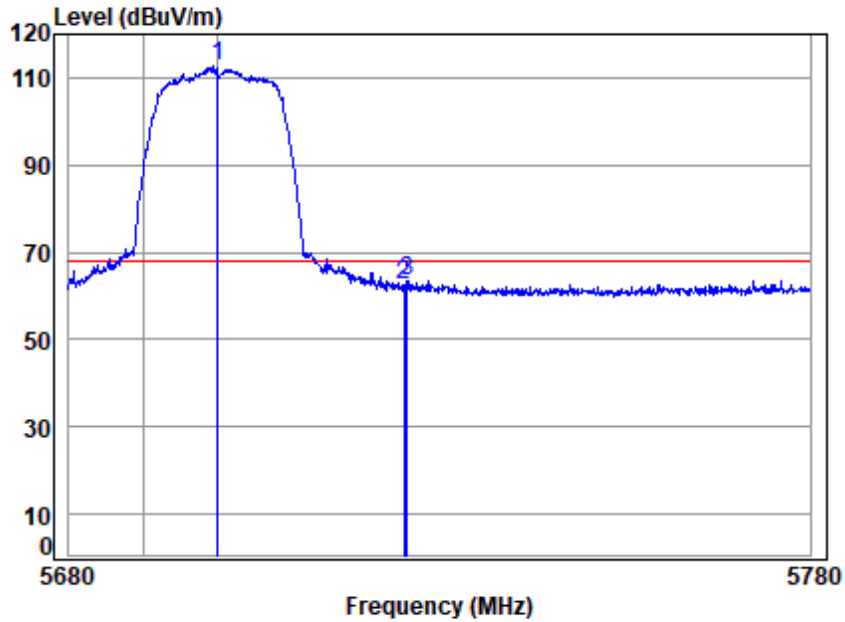
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5700 Band edge  
 : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5700.000	8.21	34.81	42.37	97.31	97.96	68.20	29.76 peak
2 5725.000	8.22	34.83	42.37	59.45	60.13	68.20	-8.07 peak
3 5729.782	8.22	34.84	42.37	60.26	60.95	68.20	-7.25 peak



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



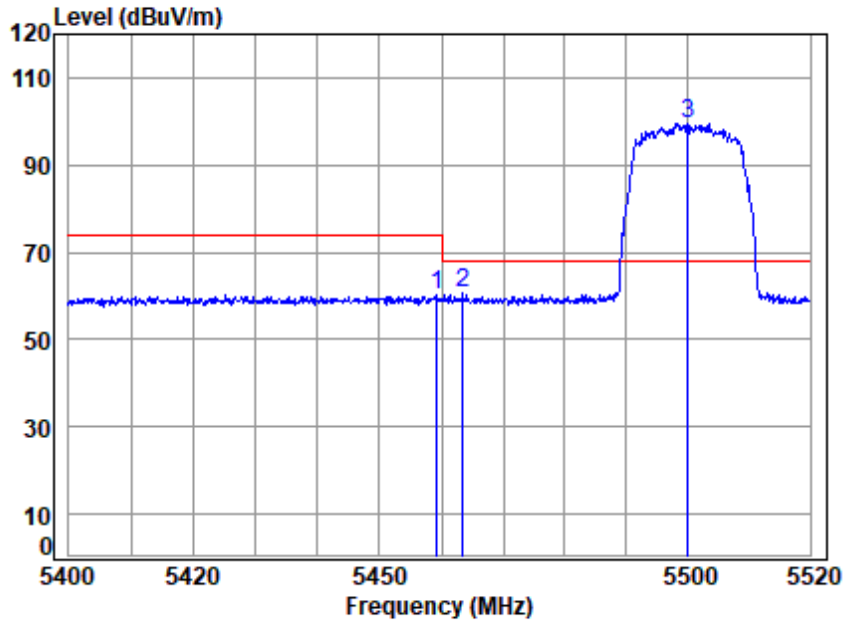
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5700 Band edge  
 : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5700.000	8.21	34.81	42.37	111.92	112.57	68.20	44.37
2 5725.000	8.22	34.83	42.37	61.86	62.54	68.20	-5.66
3 5725.483	8.22	34.83	42.37	62.75	63.43	68.20	-4.77



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



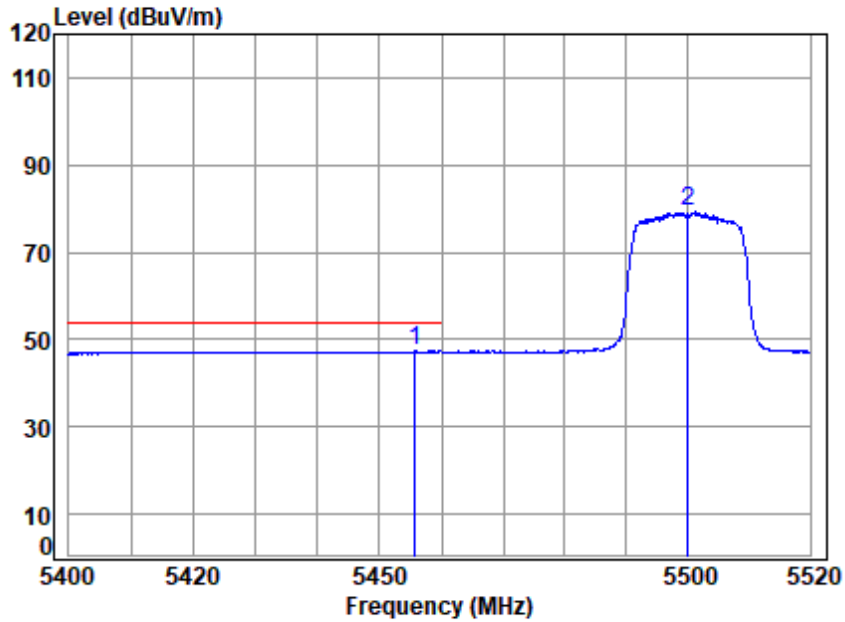
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5500 Band edge  
 : 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	8.11	34.57	42.35	59.75	60.08	74.00	-13.92 peak
2	8.12	34.57	42.35	60.16	60.50	68.20	-7.70 peak
3 *	8.18	34.60	42.35	99.15	99.58	68.20	31.38 peak



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



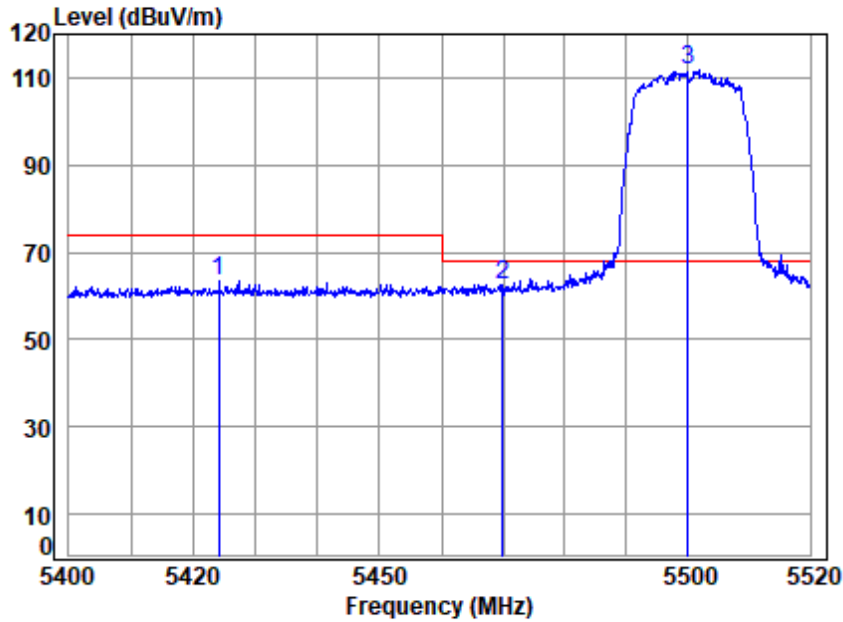
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5500 Band edge  
 : 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5455.712	8.11	34.57	42.35	46.98	47.31	54.00	-6.69	Average
2	5500.000	8.18	34.60	42.35	78.81	79.24	-----	-----	Average



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



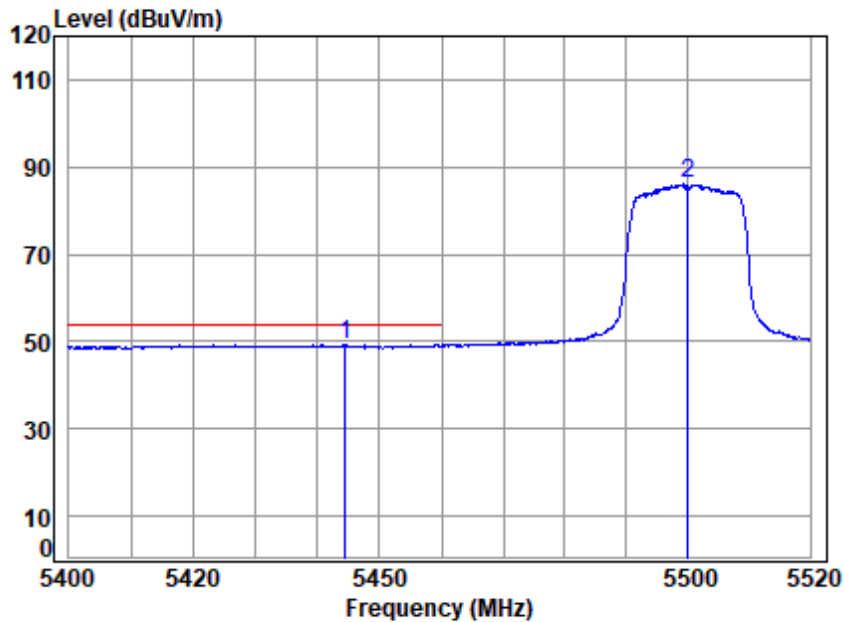
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5500 Band edge  
 : 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	8.05	34.54	42.34	63.08	63.33	74.00	-10.67 Peak
2	8.13	34.58	42.35	62.23	62.59	68.20	-5.61 peak
3 *	8.18	34.60	42.35	111.27	111.70	68.20	43.50 Peak



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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5500 Band edge  
 : 5G WIFI 11N20

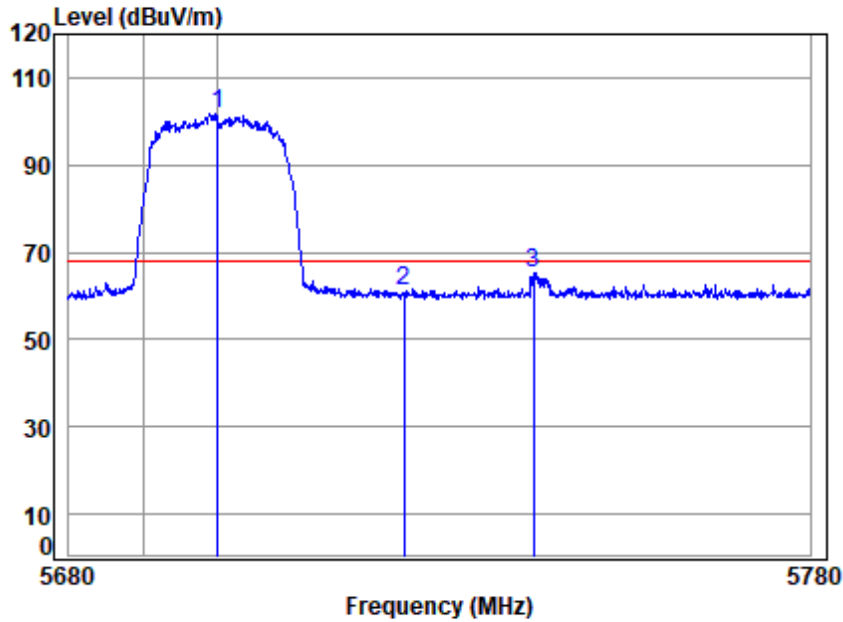
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5444.452	8.09	34.56	42.35	48.91	49.21	54.00	-4.79	Average
2	5500.000	8.18	34.60	42.35	85.63	86.06	-----	-----	Average



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



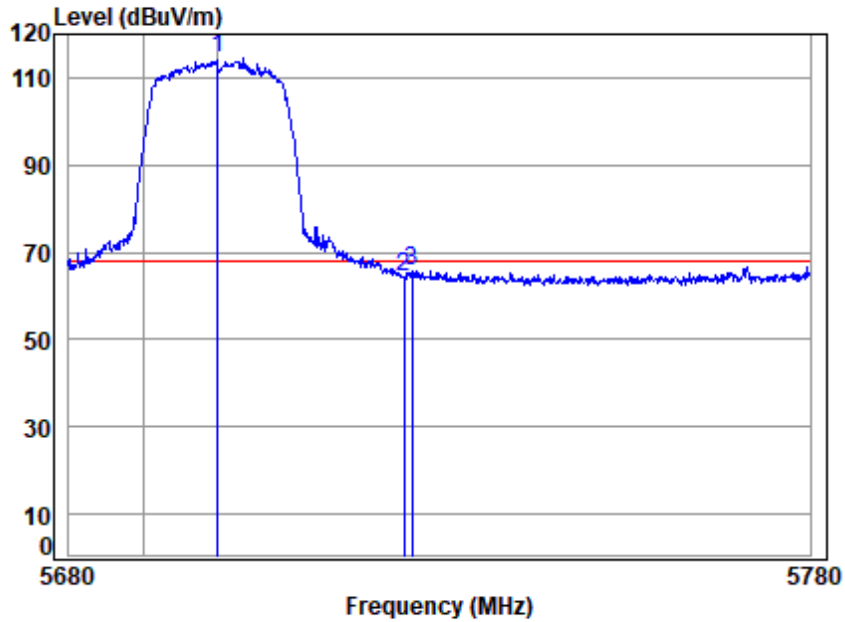
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5700 Band edge  
 : 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5700.000	8.21	34.81	42.37	100.98	101.63	68.20	33.43 peak
2 5725.000	8.22	34.83	42.37	60.62	61.30	68.20	-6.90 peak
3 5742.496	8.22	34.85	42.38	64.37	65.06	68.20	-3.14 peak



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



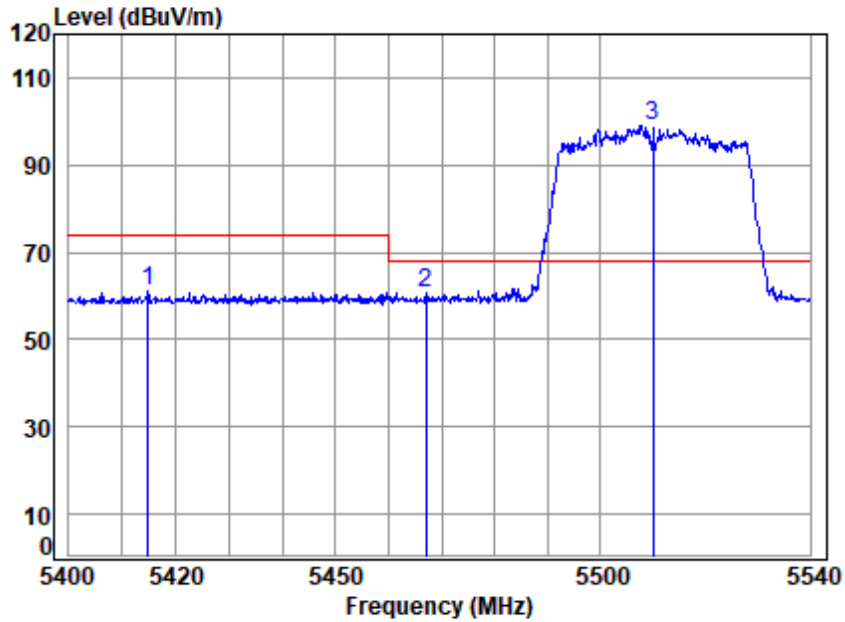
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5700 Band edge  
 : 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5700.000	8.21	34.81	42.37	113.67	114.32	68.20	46.12 Peak
2 5725.000	8.22	34.83	42.37	63.88	64.56	68.20	-3.64 Peak
3 5726.083	8.22	34.83	42.37	65.12	65.80	68.20	-2.40 Peak



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



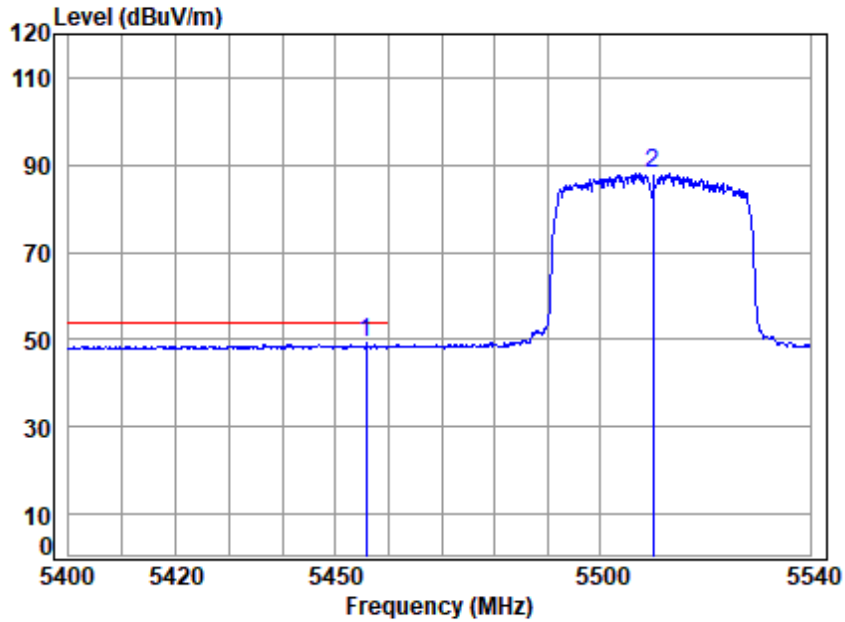
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5510 Band edge  
 : 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	8.04	34.53	42.34	60.79	61.02	74.00	-12.98 peak
2	8.12	34.57	42.35	60.37	60.71	68.20	-7.49 peak
3 *	8.18	34.61	42.35	98.75	99.19	68.20	30.99 peak



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



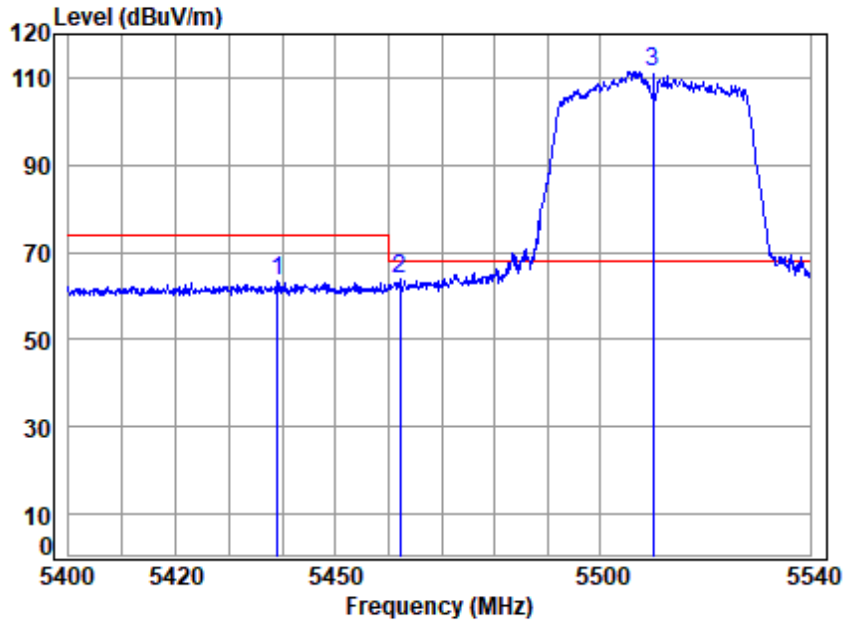
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5510 Band edge  
 : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5455.710	8.11	34.57	42.35	48.82	49.15	54.00	-4.85	Average
2	5510.000	8.18	34.61	42.35	87.66	88.10	-----	-----	Average



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



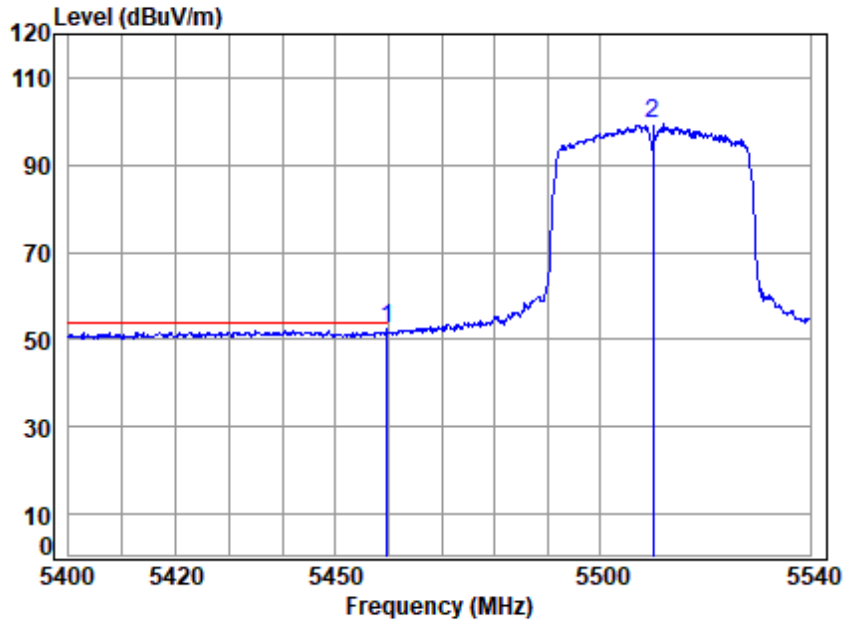
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5510 Band edge  
 : 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	8.08	34.55	42.35	62.92	63.20	74.00	-10.80
2	8.12	34.57	42.35	63.43	63.77	68.20	-4.43
3 *	8.18	34.61	42.35	111.04	111.48	68.20	43.28



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



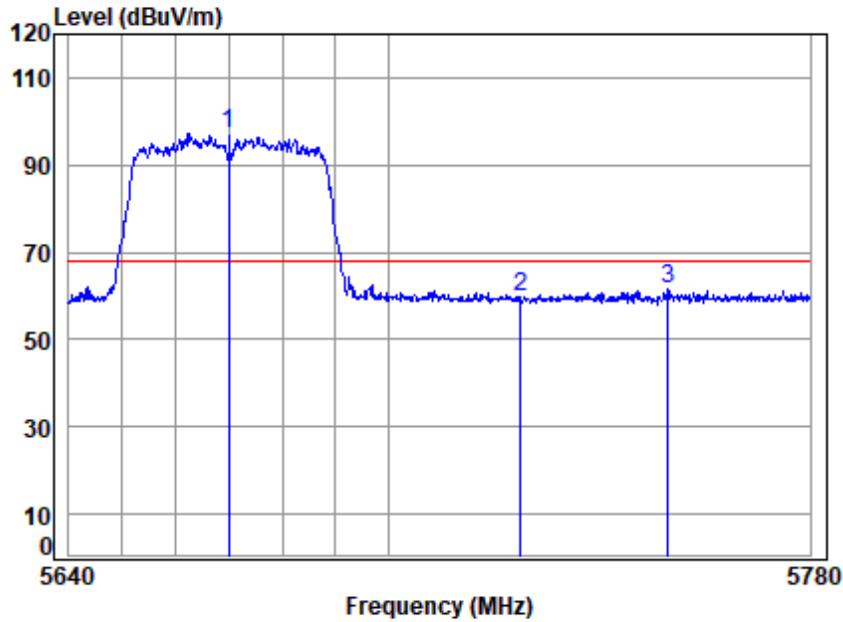
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5510 Band edge  
 : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5459.622	8.11	34.57	42.35	51.98	52.31	54.00	-1.69 Average
2	5510.000	8.18	34.61	42.35	98.80	99.24	-----	----- Average



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



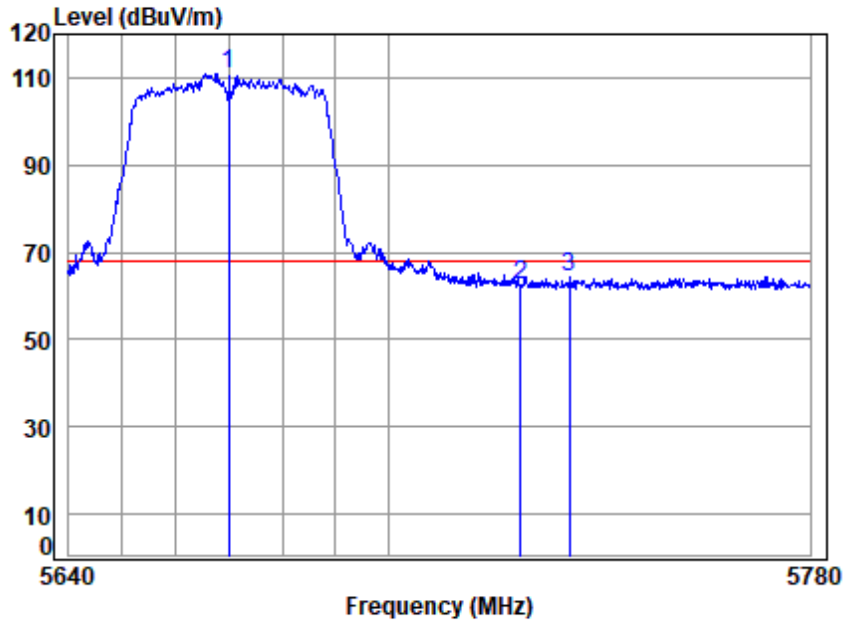
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5670 Band edge  
 : 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5670.000	8.21	34.77	42.37	96.41	97.02	68.20	28.82 peak
2 5725.000	8.22	34.83	42.37	59.32	60.00	68.20	-8.20 peak
3 5752.853	8.22	34.86	42.38	60.68	61.38	68.20	-6.82 Peak



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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5670 Band edge  
 : 5G WIFI 11N40

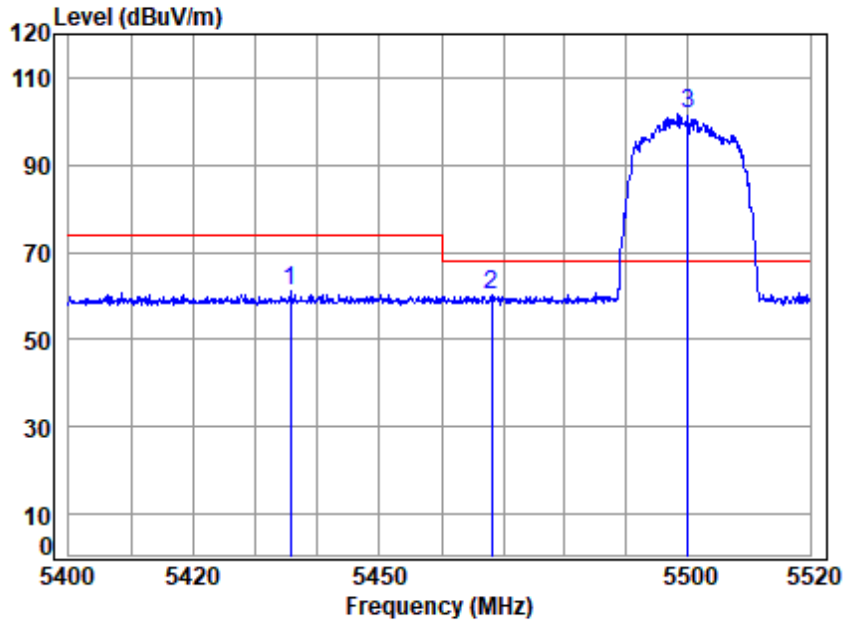
	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5670.000	8.21	34.77	42.37	110.30	110.91	68.20	42.71 Peak
2 5725.000	8.22	34.83	42.37	62.01	62.69	68.20	-5.51 Peak
3 5734.123	8.22	34.84	42.38	63.76	64.44	68.20	-3.76 Peak



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



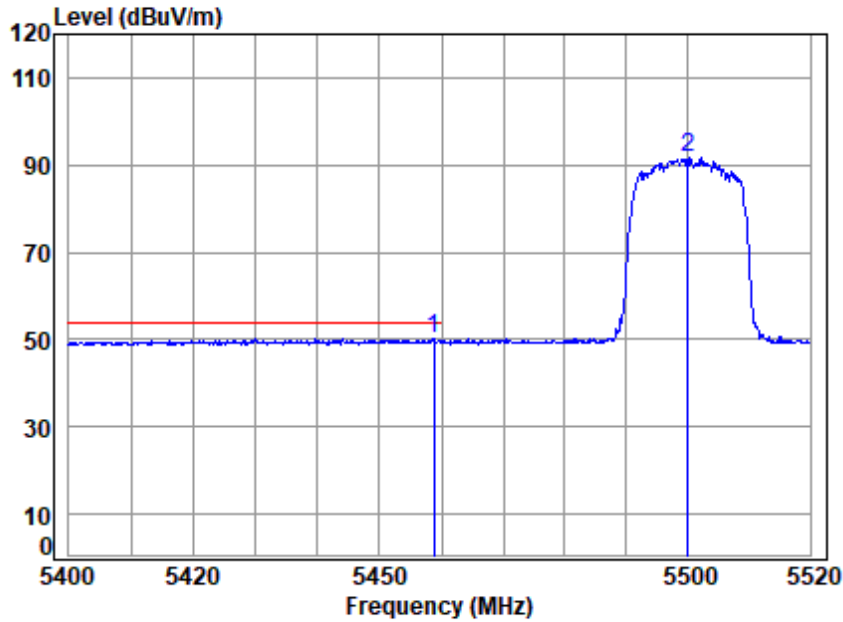
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5500 Band edge  
 : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5435.604	8.07	34.55	42.35	60.74	61.01	74.00	-12.99 peak
2	5468.077	8.13	34.58	42.35	59.73	60.09	68.20	-8.11 peak
3 *	5500.000	8.18	34.60	42.35	101.16	101.59	68.20	33.39 peak



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



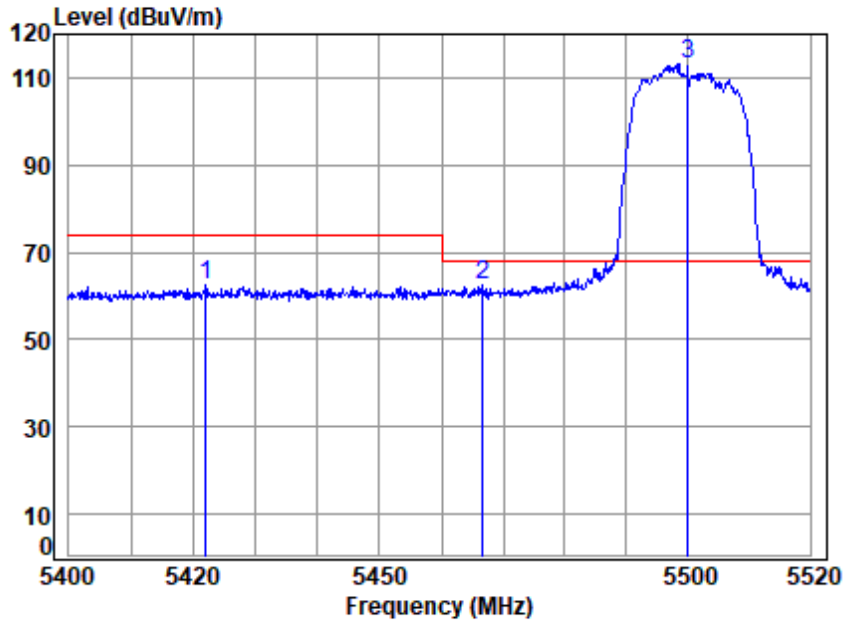
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5500 Band edge  
 : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5458.831	8.11	34.57	42.35	50.04	54.00	-3.63	Average
2	5500.000	8.18	34.60	42.35	91.13	-----	-----	Average



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



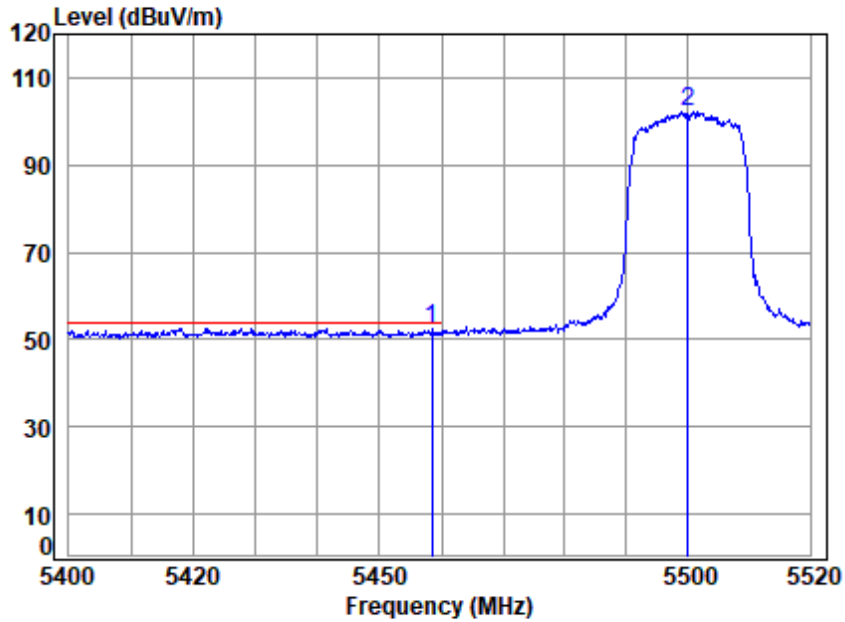
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5500 Band edge  
 : 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	8.05	34.54	42.34	62.17	62.42	74.00	-11.58
2	8.12	34.57	42.35	61.97	62.31	68.20	-5.89
3 *	8.18	34.60	42.35	112.64	113.07	68.20	44.87



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



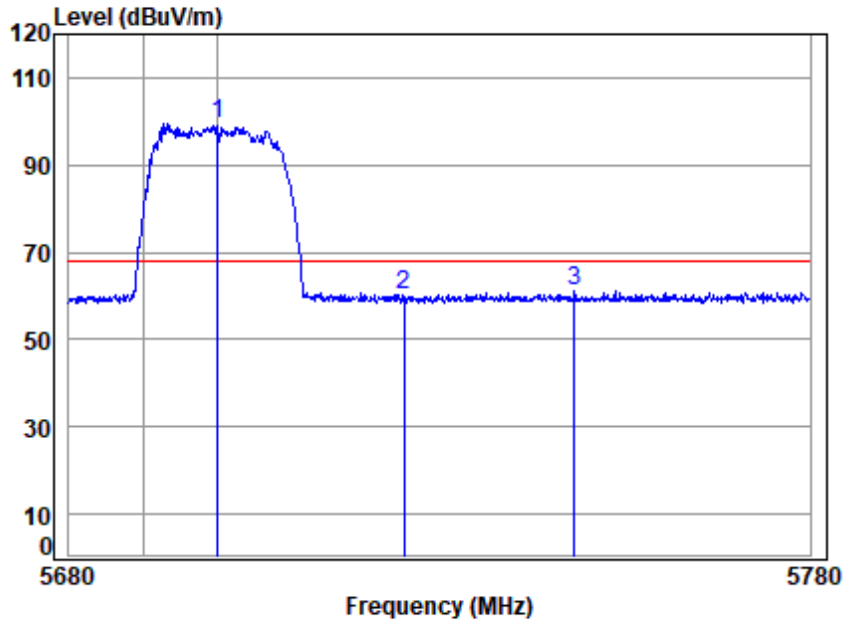
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5500 Band edge  
 : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5458.471	8.11	34.57	42.35	52.23	52.56	54.00	-1.44 Average
2	5500.000	8.18	34.60	42.35	101.82	102.25	-----	----- Average



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



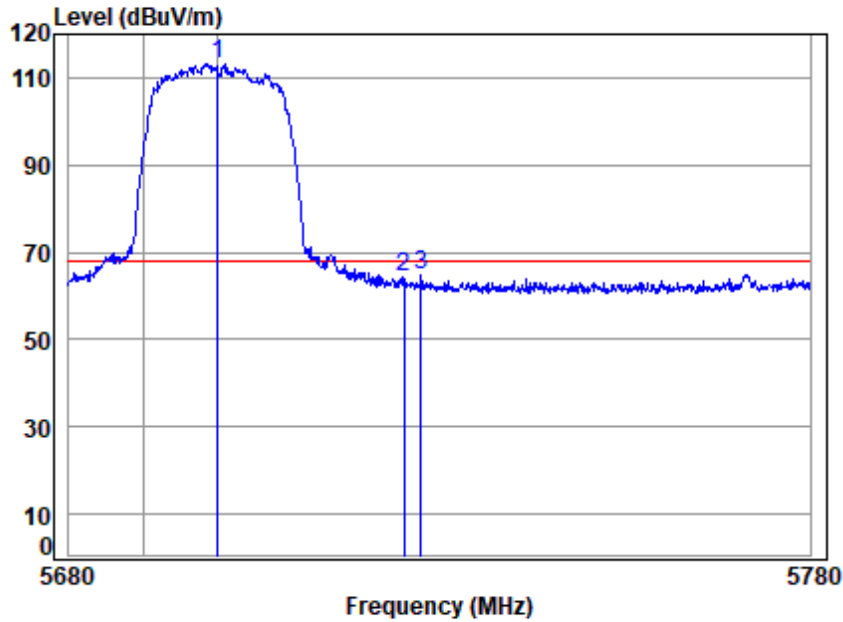
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5700 Band edge  
 : 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5700.000	8.21	34.81	42.37	98.91	99.56	68.20	31.36 peak
2 5725.000	8.22	34.83	42.37	59.35	60.03	68.20	-8.17 peak
3 5748.011	8.22	34.85	42.38	60.33	61.02	68.20	-7.18 peak



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



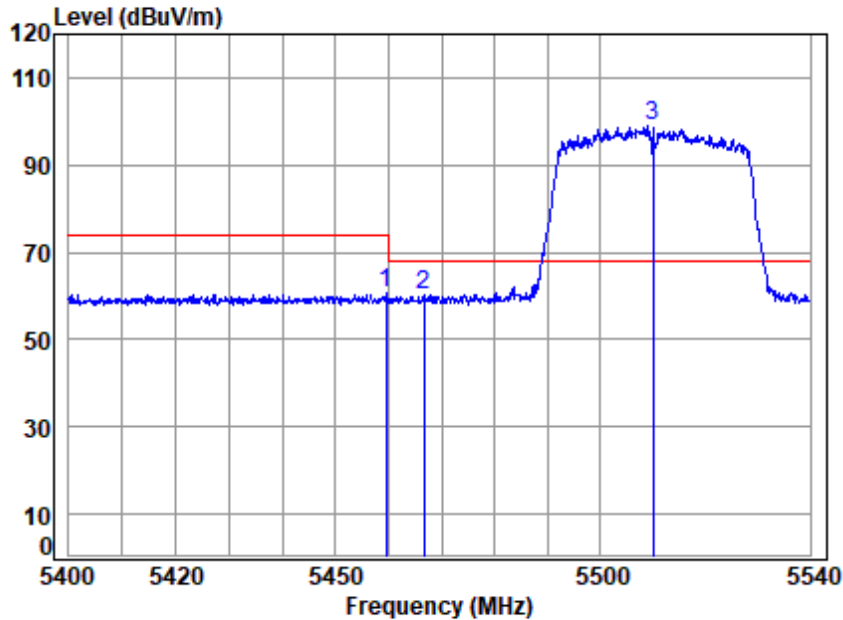
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5700 Band edge  
 : 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5700.000	8.21	34.81	42.37	112.72	113.37	68.20	45.17 Peak
2 5725.000	8.22	34.83	42.37	63.54	64.22	68.20	-3.98 Peak
3 5727.282	8.22	34.83	42.37	63.89	64.57	68.20	-3.63 Peak



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



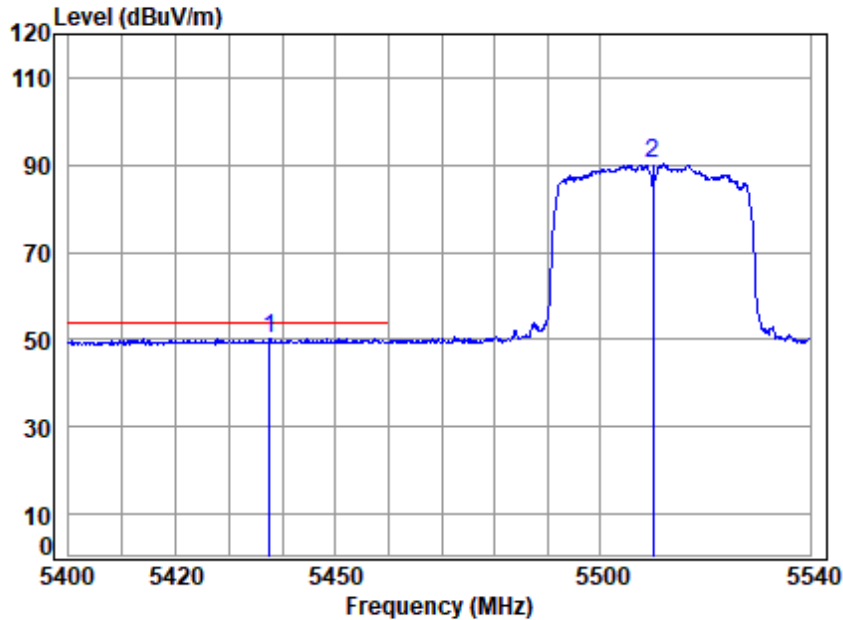
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5510 Band edge  
 : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5459.481	8.11	34.57	42.35	60.23	60.56	74.00	-13.44 peak
2	5466.613	8.12	34.57	42.35	60.05	60.39	68.20	-7.81 peak
3 *	5510.000	8.18	34.61	42.35	98.68	99.12	68.20	30.92 peak



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



Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5510 Band edge  
 : 5G WIFI 11AC40

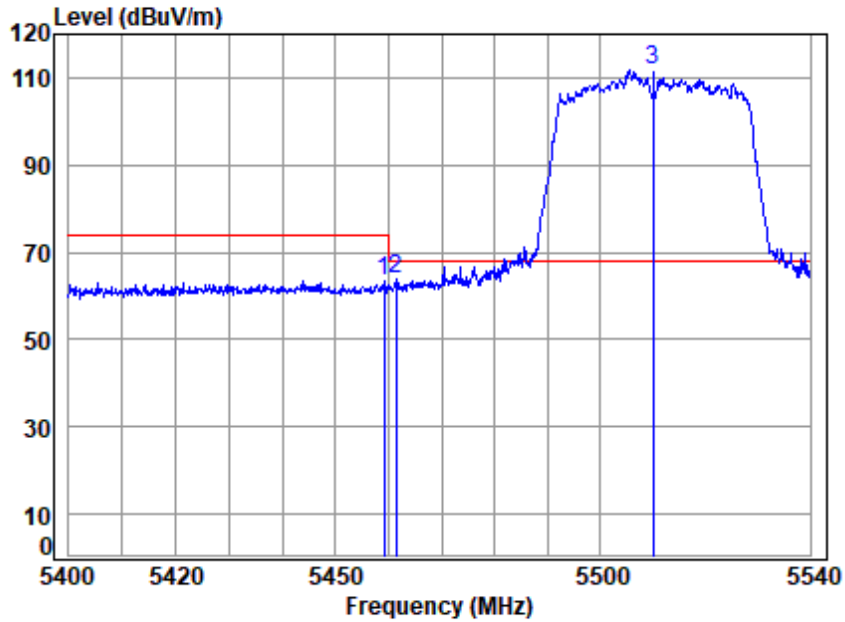
	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5437.587	8.07	34.55	42.35	49.89	50.16	54.00	-3.84 Average
2	5510.000	8.18	34.61	42.35	89.74	90.18	-----	----- Average



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



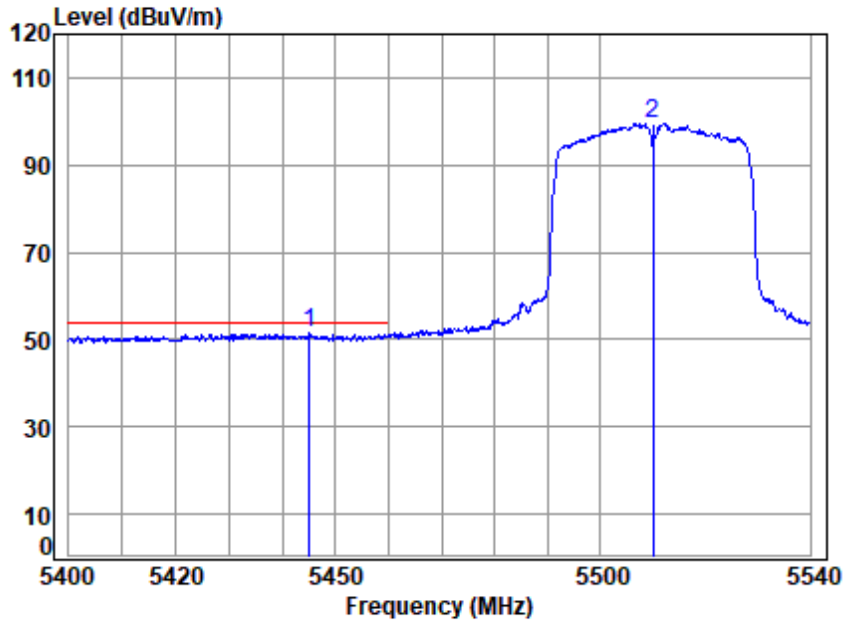
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5510 Band edge  
 : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5459.063	8.11	34.57	42.35	63.12	63.45	74.00	-10.55 Peak
2	5461.438	8.12	34.57	42.35	63.60	63.94	68.20	-4.26 peak
3 *	5510.000	8.18	34.61	42.35	111.12	111.56	68.20	43.36 Peak



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



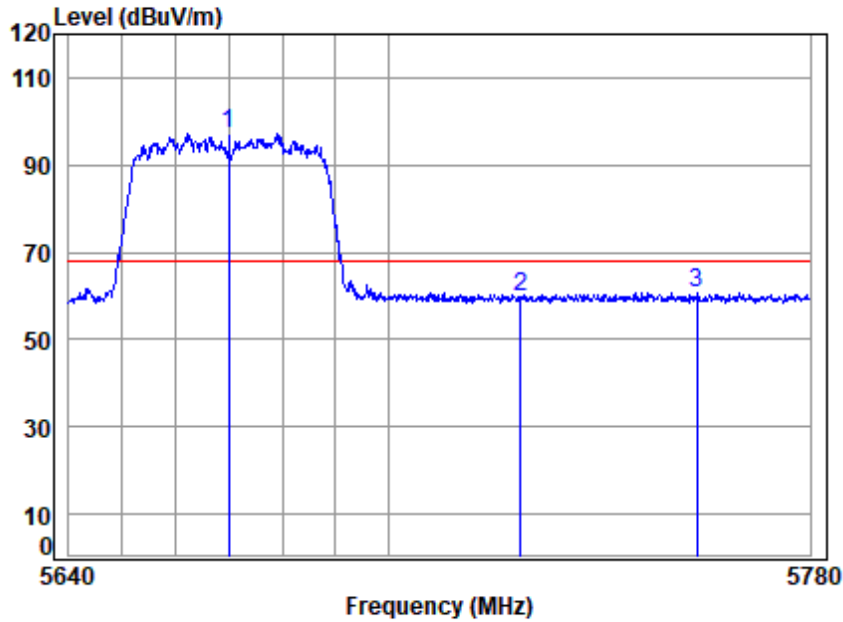
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5510 Band edge  
 : 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5444.968	8.09	34.56	42.35	51.19	51.49	54.00	-2.51 Average
2	5510.000	8.18	34.61	42.35	99.07	99.51	-----	----- Average



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



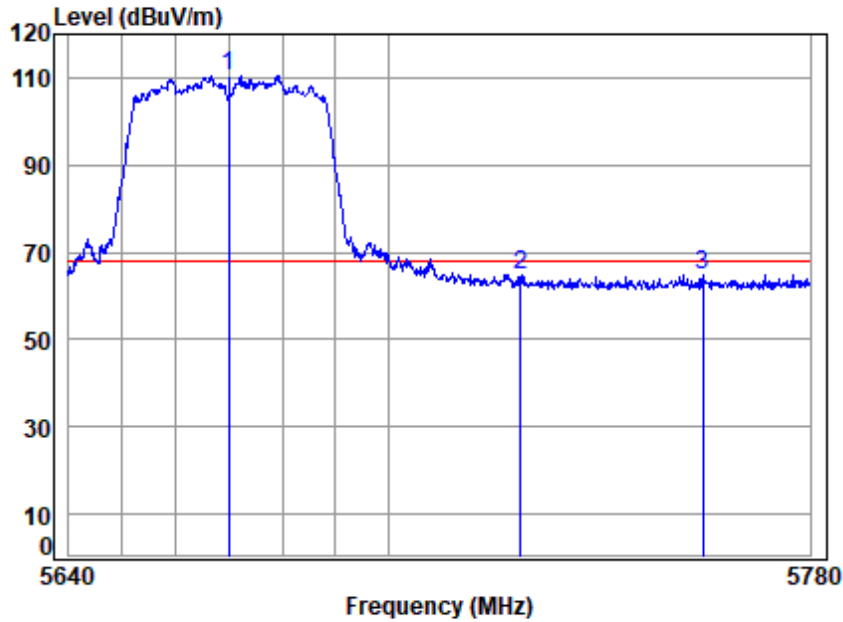
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5670 Band edge  
 : 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5670.000	8.21	34.77	42.37	96.55	97.16	68.20	28.96 peak
2 5725.000	8.22	34.83	42.37	59.10	59.78	68.20	-8.42 peak
3 5758.498	8.22	34.86	42.38	59.95	60.65	68.20	-7.55 peak



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



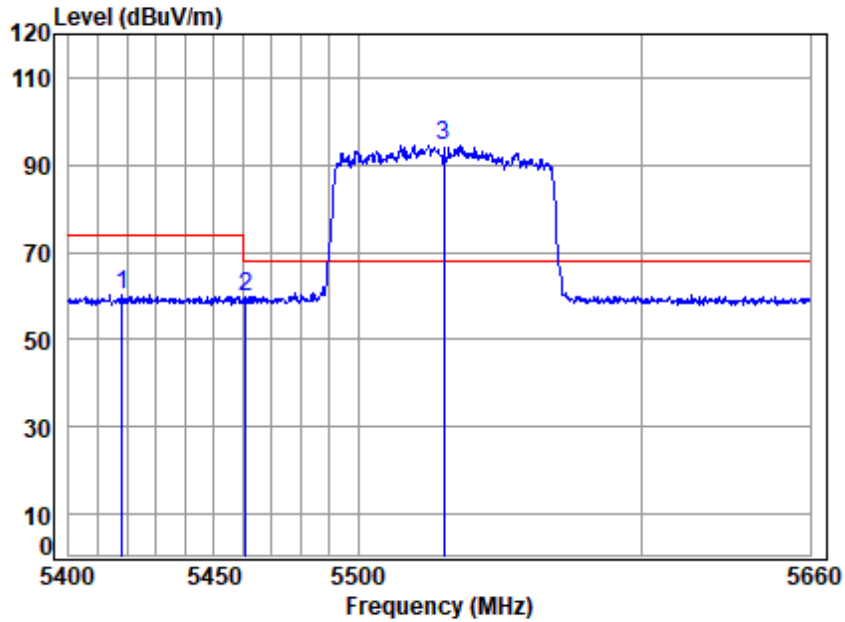
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5670 Band edge  
 : 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5670.000	8.21	34.77	42.37	109.87	110.48	68.20	42.28 Peak
2 5725.000	8.22	34.83	42.37	64.17	64.85	68.20	-3.35 Peak
3 5759.487	8.22	34.86	42.38	64.19	64.89	68.20	-3.31 Peak



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



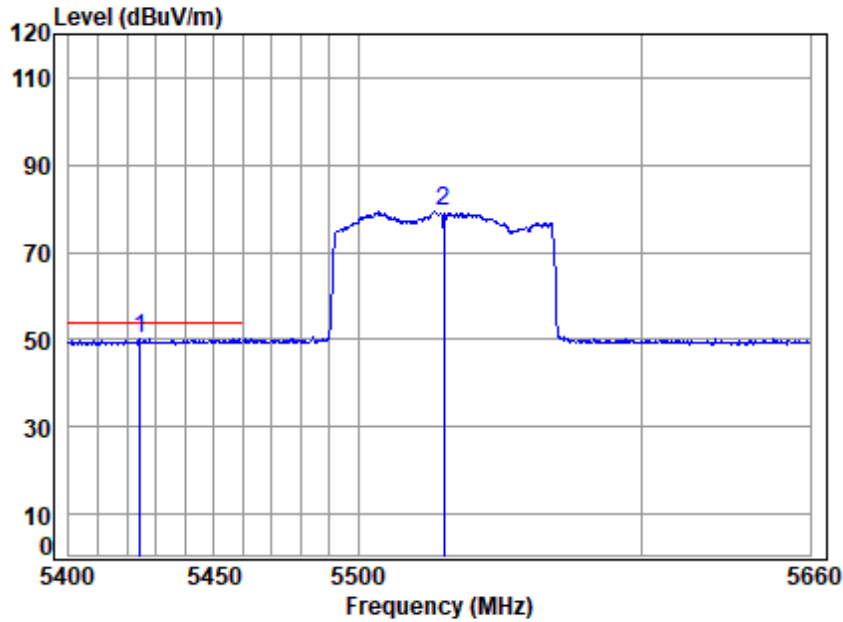
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5530 Band edge  
 : 5G WIFI 11AC80

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5418.314	8.04	34.54	42.34	60.21	60.45	74.00	-13.55 peak
2	5461.033	8.11	34.57	42.35	59.66	59.99	68.20	-8.21 peak
3 *	5530.000	8.19	34.63	42.36	94.13	94.59	68.20	26.39 peak



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



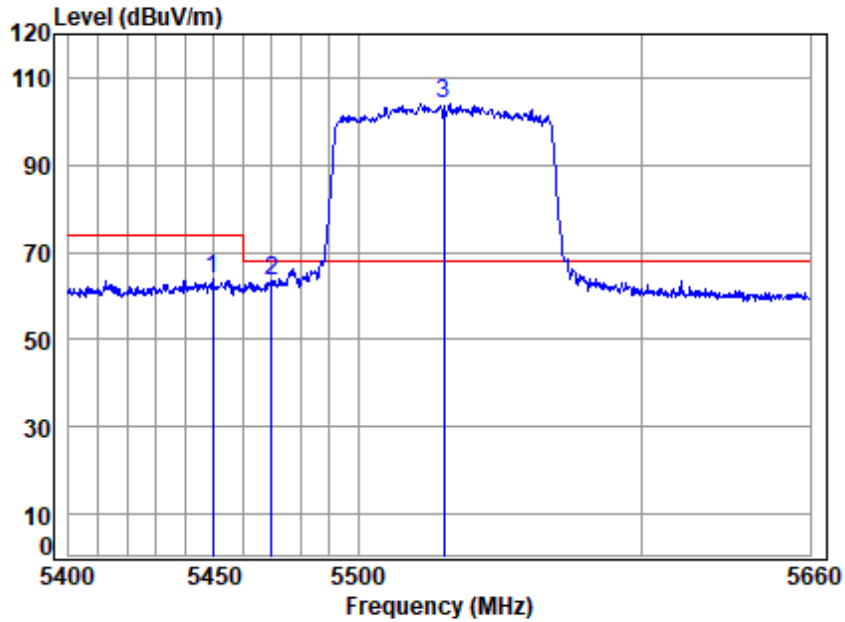
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5530 Band edge  
 : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5424.433	8.05	34.54	42.34	50.04	54.00	-3.71	Average
2	5530.000	8.19	34.63	42.36	79.09	-----	-----	Average



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



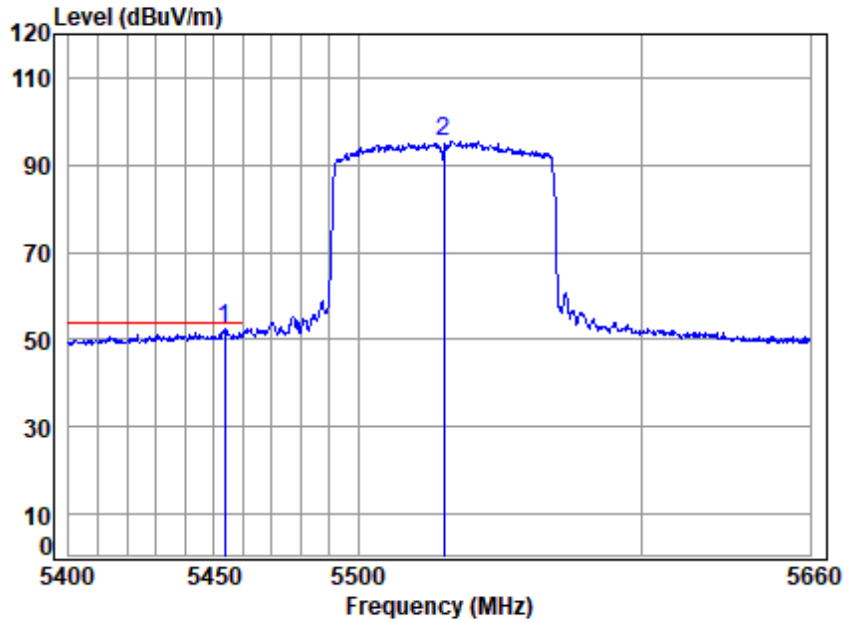
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5530 Band edge  
 : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5449.489	8.09	34.56	42.35	63.38	63.68	74.00	-10.32 Peak
2	5470.028	8.13	34.58	42.35	63.26	63.62	68.20	-4.58 peak
3 *	5530.000	8.19	34.63	42.36	103.54	104.00	68.20	35.80 Peak



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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5530 Band edge  
 : 5G WIFI 11AC80

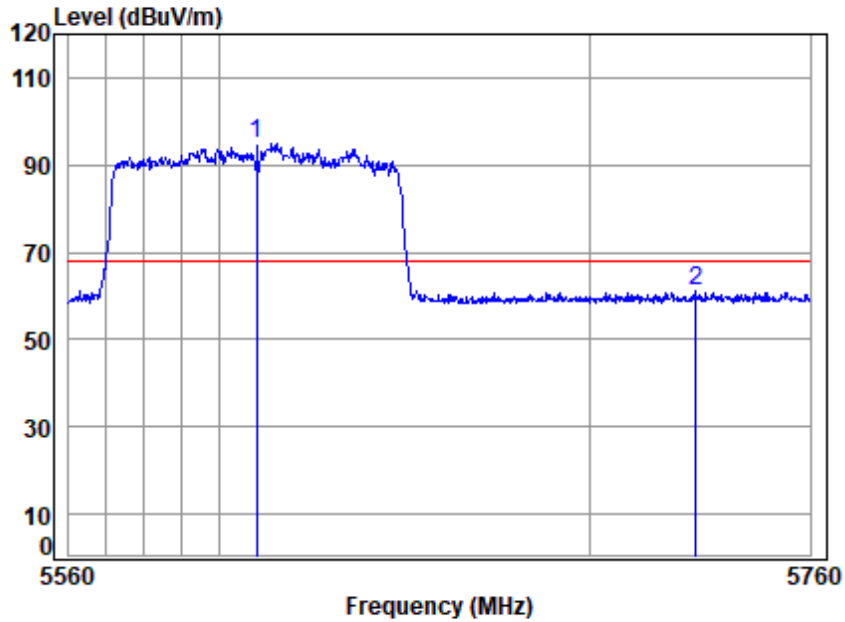
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5453.590	8.10	34.56	42.35	52.14	54.00	-1.55	Average
2	5530.000	8.19	34.63	42.36	95.04	-----	-----	Average



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



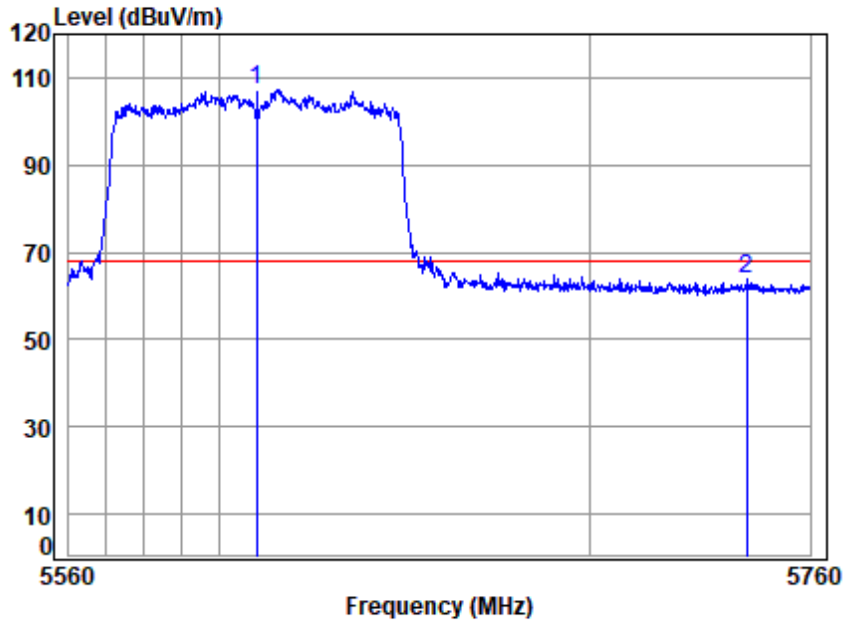
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5610 Band edge  
 : 5G WIFI 11AC80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5610.000	8.20	34.71	42.36	94.48	95.03	68.20	26.83 peak
2 5728.738	8.22	34.83	42.37	60.24	60.92	68.20	-7.28 peak



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



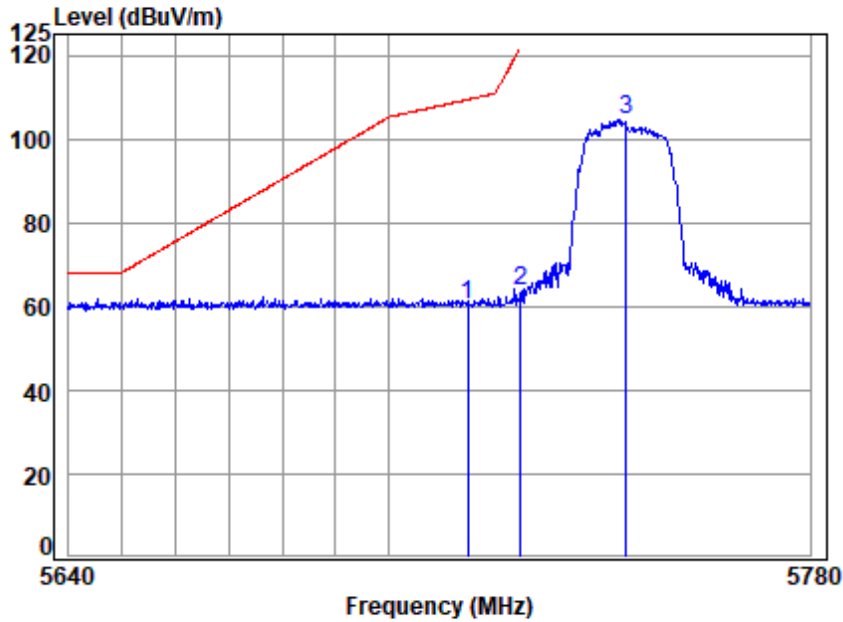
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5610 Band edge  
 : 5G WIFI 11AC80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5610.000	8.20	34.71	42.36	106.79	107.34	68.20	39.14 Peak
2 5742.724	8.22	34.85	42.38	63.10	63.79	68.20	-4.41 Peak



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



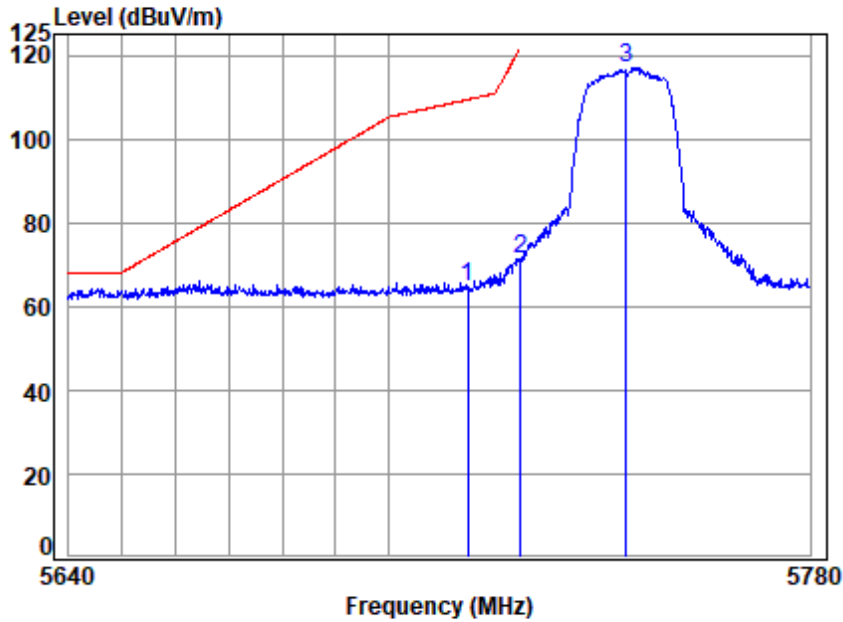
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5745 Band edge  
 : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over			
Freq	Loss	Factor	Factor	Level	Level	Line	Limit		
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	5715.000	8.22	34.82	42.37	59.62	60.29	109.40	-49.11	peak
2	5725.000	8.22	34.83	42.37	62.90	63.58	122.20	-58.62	peak
3	5745.000	8.22	34.85	42.38	103.87	104.56	-----	-----	peak



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



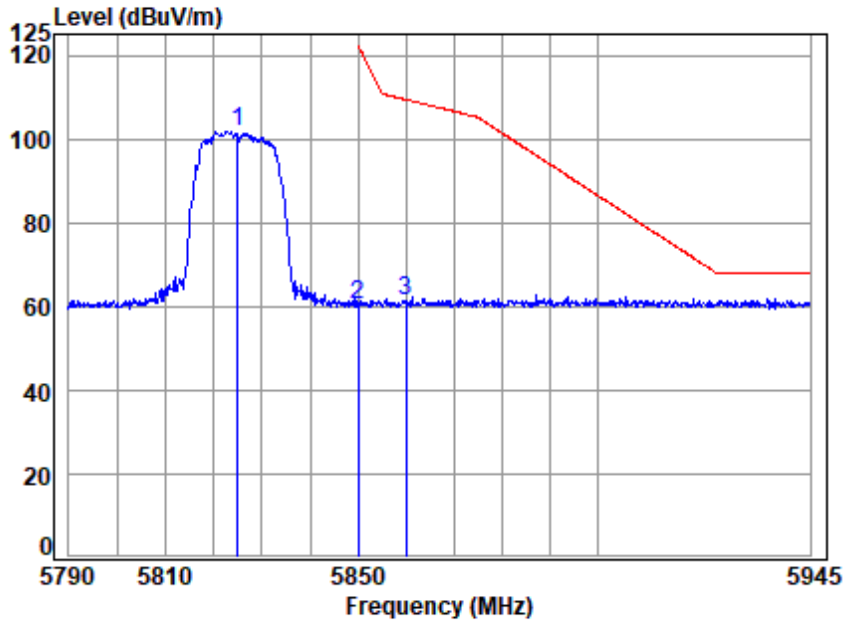
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5745 Band edge  
 : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over			
Freq	Loss	Factor	Factor	Level	Level	Line	Limit		
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	5715.000	8.22	34.82	42.37	64.19	64.86	109.40	-44.54	peak
2	5725.000	8.22	34.83	42.37	70.81	71.49	122.20	-50.71	peak
3	5745.000	8.22	34.85	42.38	116.27	116.96	-----	-----	peak



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



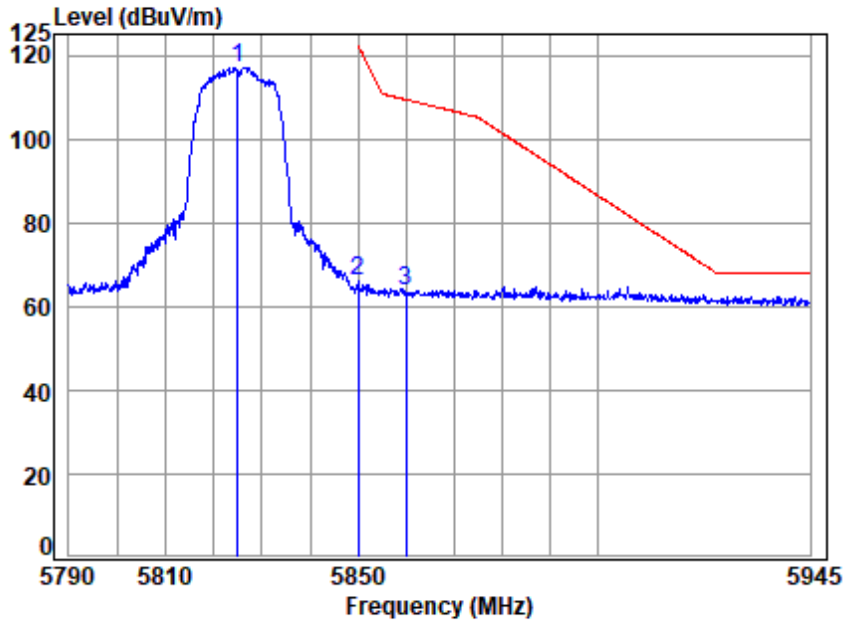
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5825 Band edge  
 : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5825.000	8.23	34.93	42.38	101.11	101.89	-----	-----	peak
2 5850.000	8.24	34.95	42.39	59.62	60.42	122.20	-61.78	peak
3 5860.000	8.24	34.96	42.39	60.67	61.48	109.40	-47.92	peak



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



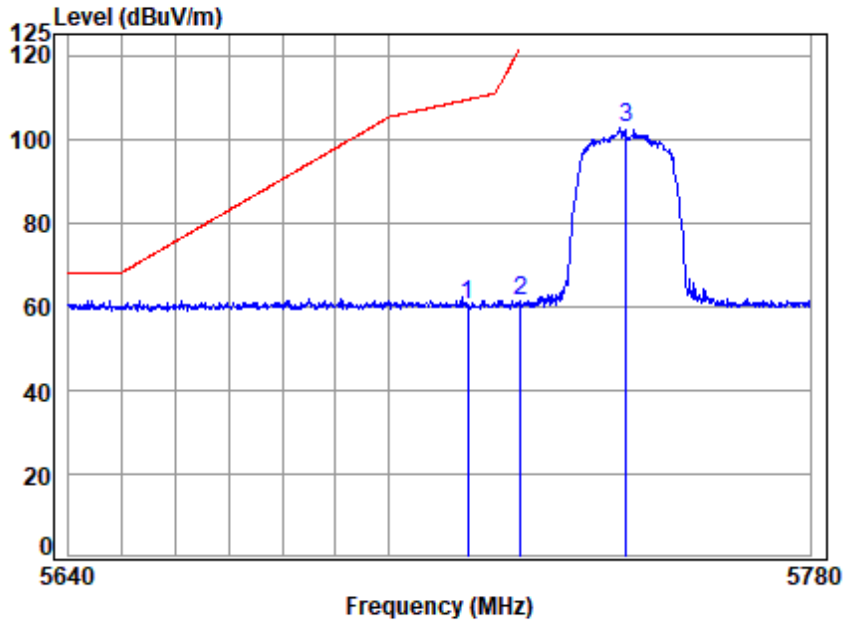
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5825 Band edge  
 : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5825.000	8.23	34.93	42.38	116.37	117.15	-----	-----	peak
2 5850.000	8.24	34.95	42.39	65.05	65.85	122.20	-56.35	peak
3 5860.000	8.24	34.96	42.39	62.78	63.59	109.40	-45.81	peak



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



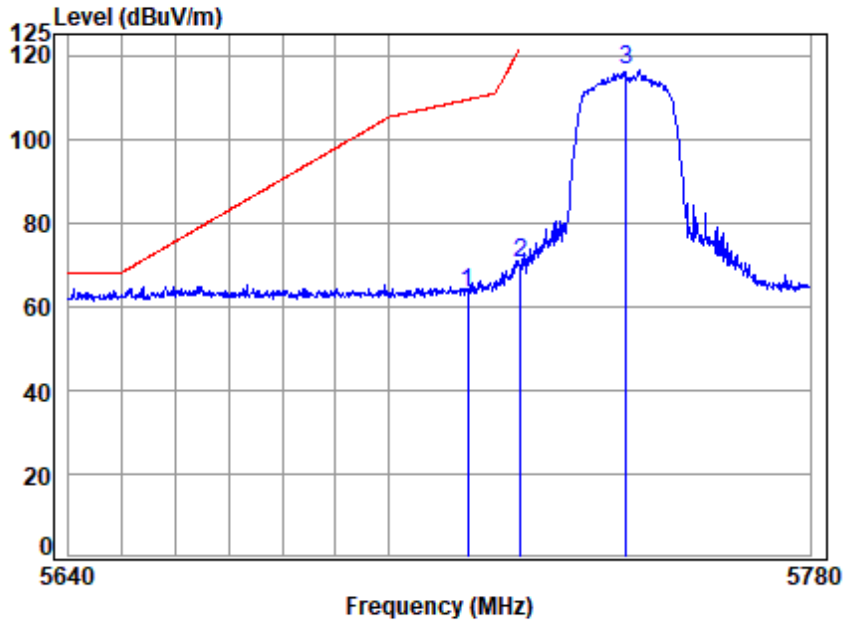
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5745 Band edge  
 : 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over			
Freq	Loss	Factor	Factor	Level	Level	Line	Limit		
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	5715.000	8.22	34.82	42.37	59.88	60.55	109.40	-48.85	peak
2	5725.000	8.22	34.83	42.37	60.79	61.47	122.20	-60.73	peak
3	5745.000	8.22	34.85	42.38	101.90	102.59	-----	-----	peak



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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5745 Band edge  
 : 5G WIFI 11N20

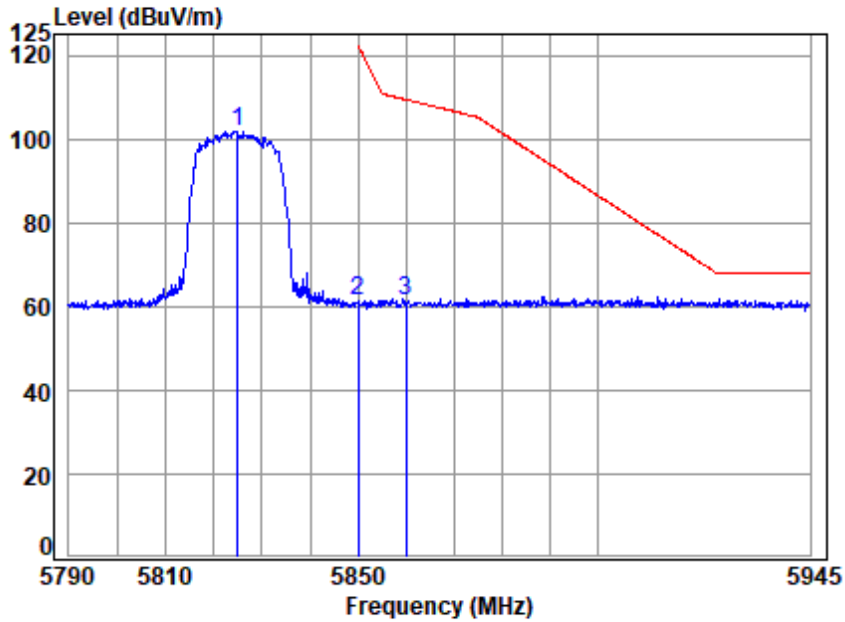
	Cable	Ant	Preamp	Read	Limit	Over			
Freq	Loss	Factor	Factor	Level	Level	Line	Limit		
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	5715.000	8.22	34.82	42.37	62.58	63.25	109.40	-46.15	peak
2	5725.000	8.22	34.83	42.37	69.56	70.24	122.20	-51.96	peak
3	5745.000	8.22	34.85	42.38	115.74	116.43	-----	-----	peak



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



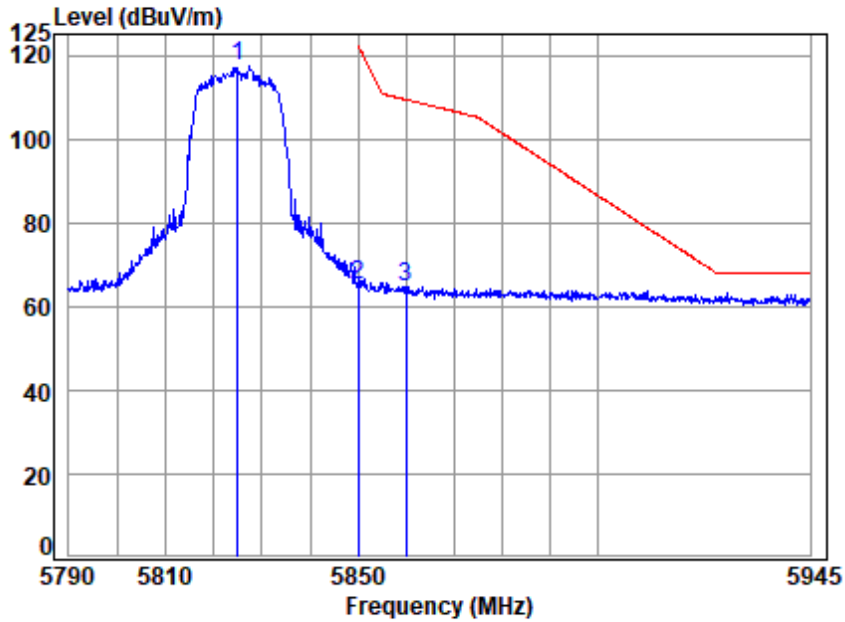
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5825 Band edge  
 : 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5825.000	8.23	34.93	42.38	101.11	101.89	-----	-----	peak
2 5850.000	8.24	34.95	42.39	60.36	61.16	122.20	-61.04	peak
3 5860.000	8.24	34.96	42.39	60.55	61.36	109.40	-48.04	peak



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



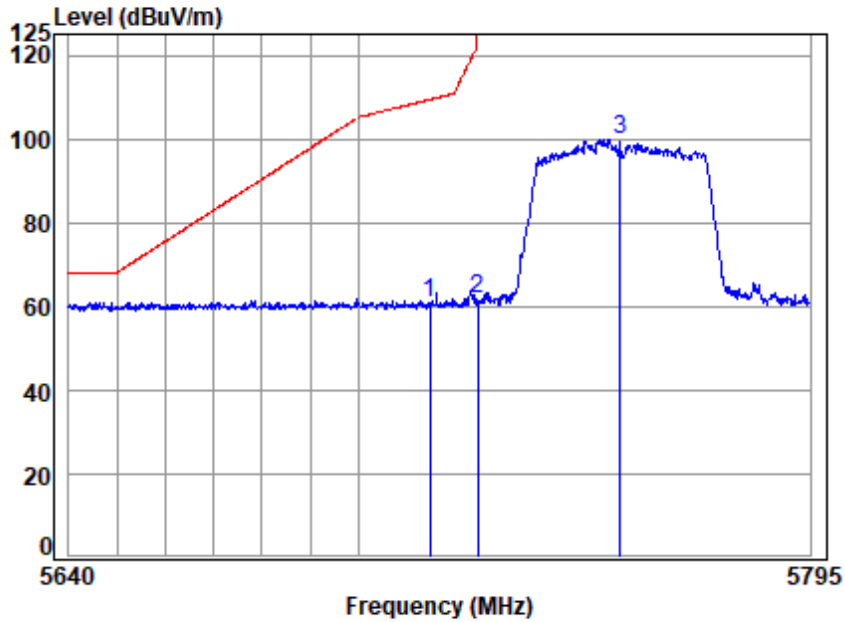
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5825 Band edge  
 : 5G WIFI 11N20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.000	8.23	34.93	42.38	116.42	117.20	-----	----- peak
2	5850.000	8.24	34.95	42.39	64.40	65.20	122.20	-57.00 peak
3	5860.000	8.24	34.96	42.39	63.80	64.61	109.40	-44.79 peak



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



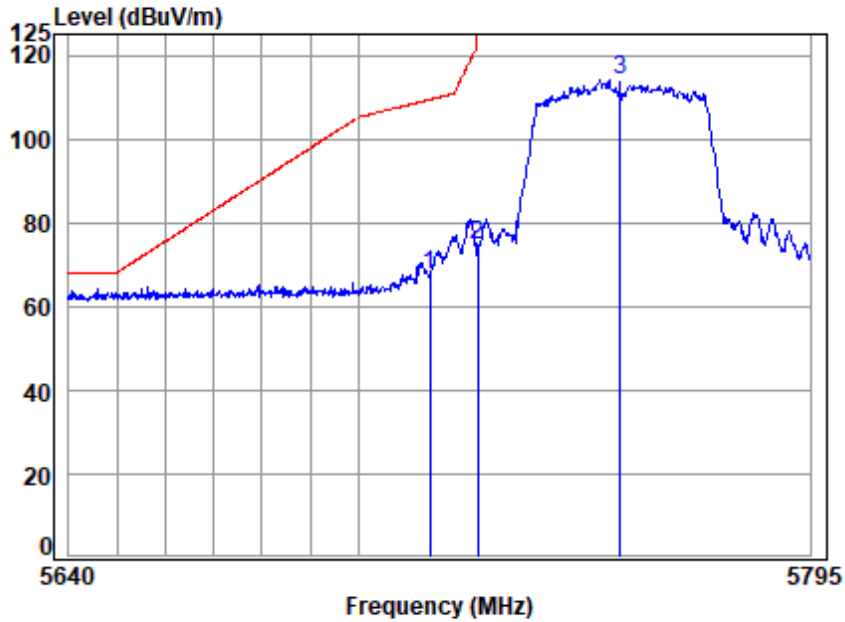
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5755 Band edge  
 : 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over			
Freq	Loss	Factor	Factor	Level	Level	Line	Limit		
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	5715.000	8.22	34.82	42.37	59.94	60.61	109.40	-48.79	peak
2	5725.000	8.22	34.83	42.37	61.15	61.83	122.20	-60.37	peak
3	5755.000	8.22	34.86	42.38	99.03	99.73	-----	-----	peak



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



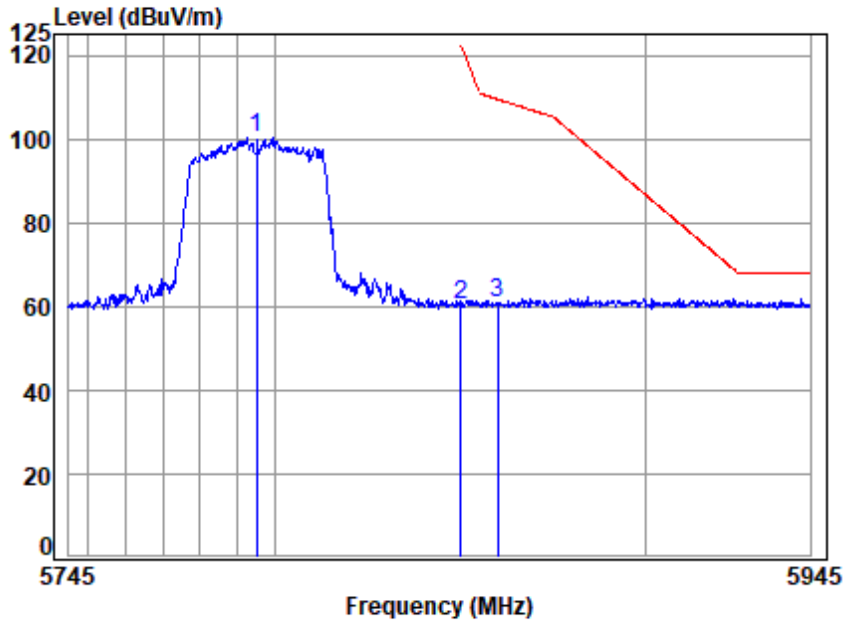
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5755 Band edge  
 : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	8.22	34.82	42.37	66.67	67.34	109.40	-42.06	peak
2	5725.000	8.22	34.83	42.37	73.89	74.57	122.20	-47.63	peak
3	5755.000	8.22	34.86	42.38	113.22	113.92	-----	-----	peak



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



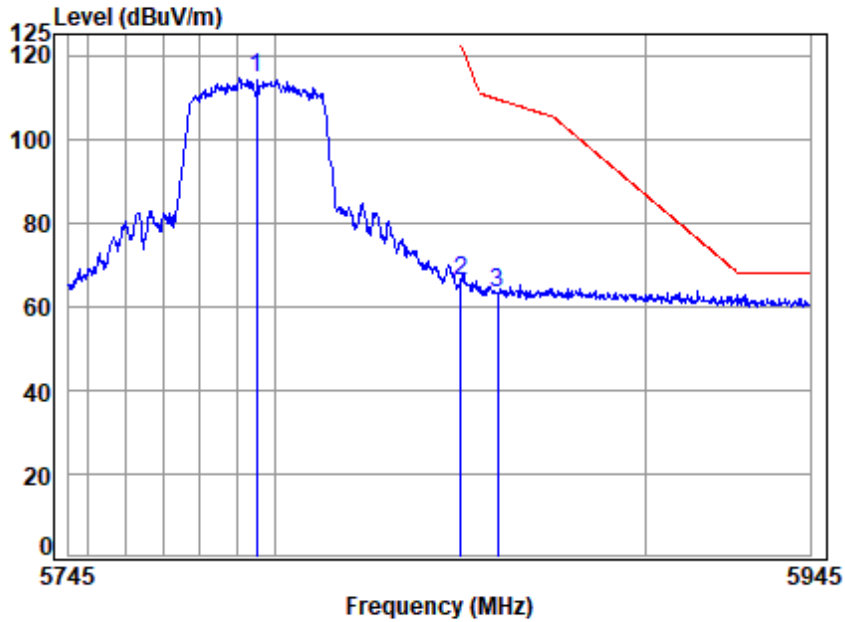
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5795 Band edge  
 : 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5795.000	8.23	34.90	42.38	99.40	100.15	-----	peak
2	5850.000	8.24	34.95	42.39	59.56	60.36	122.20	-61.84 peak
3	5860.000	8.24	34.96	42.39	59.98	60.79	109.40	-48.61 peak



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



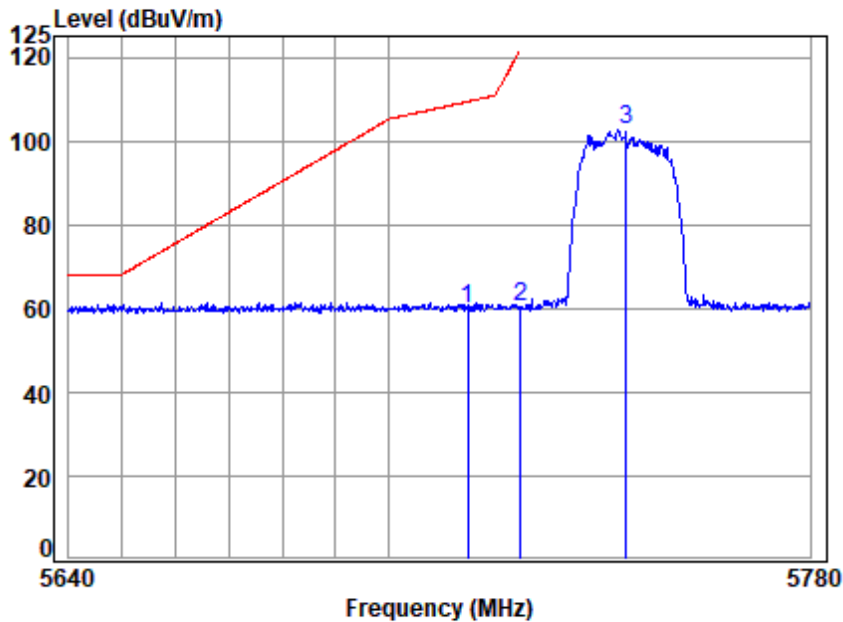
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5795 Band edge  
 : 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5795.000	8.23	34.90	42.38	113.78	114.53	-----	-----	peak
2 5850.000	8.24	34.95	42.39	65.17	65.97	122.20	-56.23	peak
3 5860.000	8.24	34.96	42.39	62.28	63.09	109.40	-46.31	peak



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



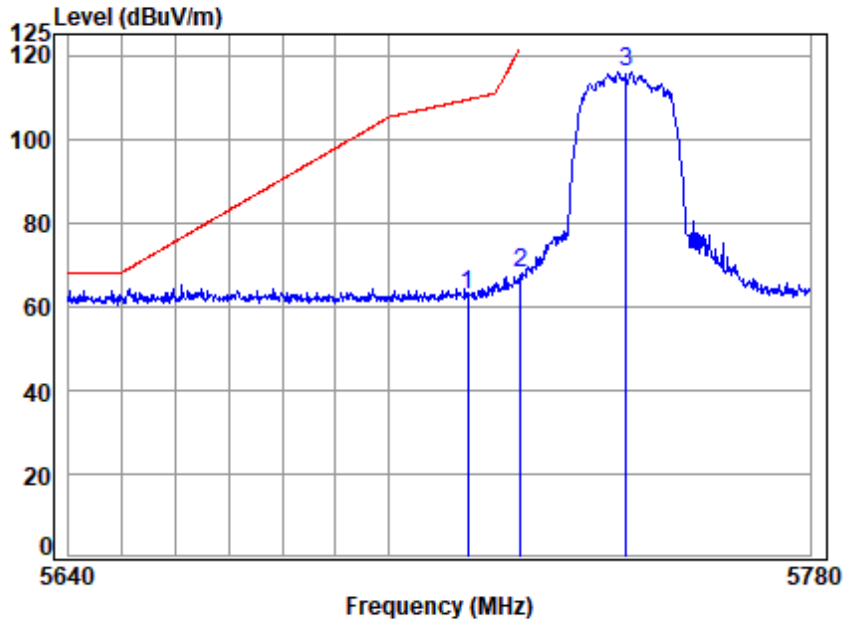
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5745 Band edge  
 : 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over			
Freq	Loss	Factor	Factor	Level	Level	Line	Limit		
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	5715.000	8.22	34.82	42.37	59.10	59.77	109.40	-49.63	peak
2	5725.000	8.22	34.83	42.37	59.80	60.48	122.20	-61.72	peak
3	5745.000	8.22	34.85	42.38	101.98	102.67	-----	-----	peak



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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5745 Band edge  
 : 5G WIFI 11AC20

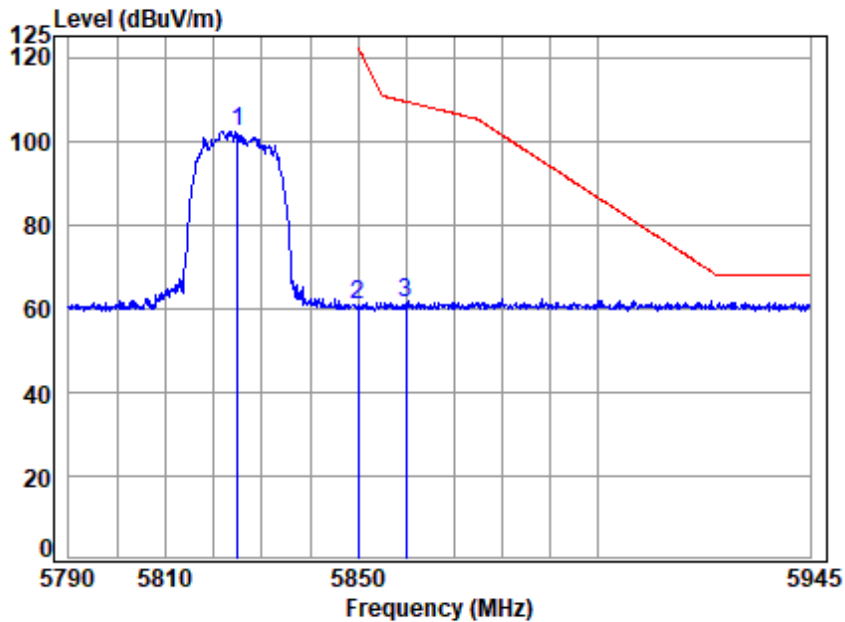
	Cable	Ant	Preamp	Read	Limit	Over			
Freq	Loss	Factor	Factor	Level	Level	Line	Limit		
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	5715.000	8.22	34.82	42.37	61.99	62.66	109.40	-46.74	peak
2	5725.000	8.22	34.83	42.37	67.46	68.14	122.20	-54.06	peak
3	5745.000	8.22	34.85	42.38	115.26	115.95	-----	-----	peak



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



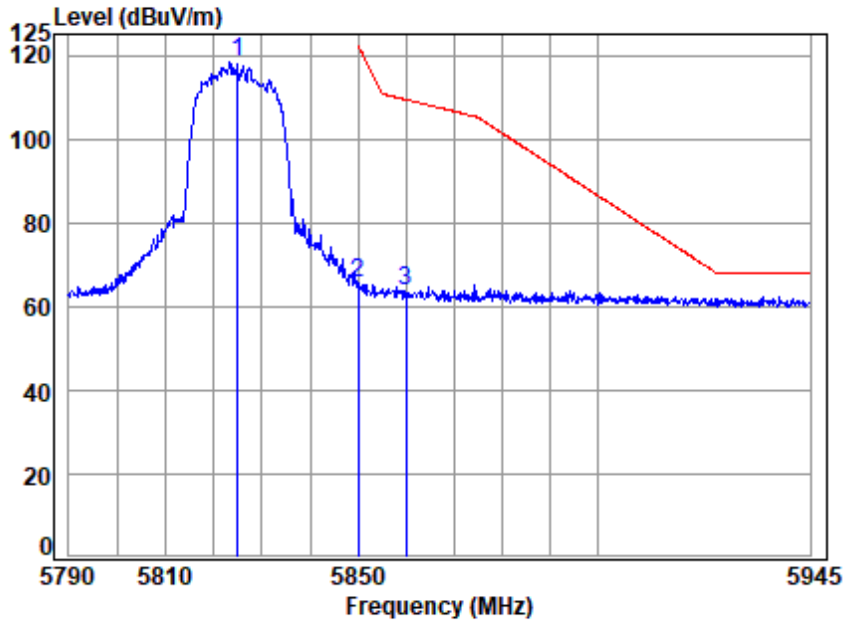
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5825 Band edge  
 : 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5825.000	8.23	34.93	42.38	101.52	102.30	-----	-----	peak
2 5850.000	8.24	34.95	42.39	60.27	61.07	122.20	-61.13	peak
3 5860.000	8.24	34.96	42.39	60.34	61.15	109.40	-48.25	peak



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



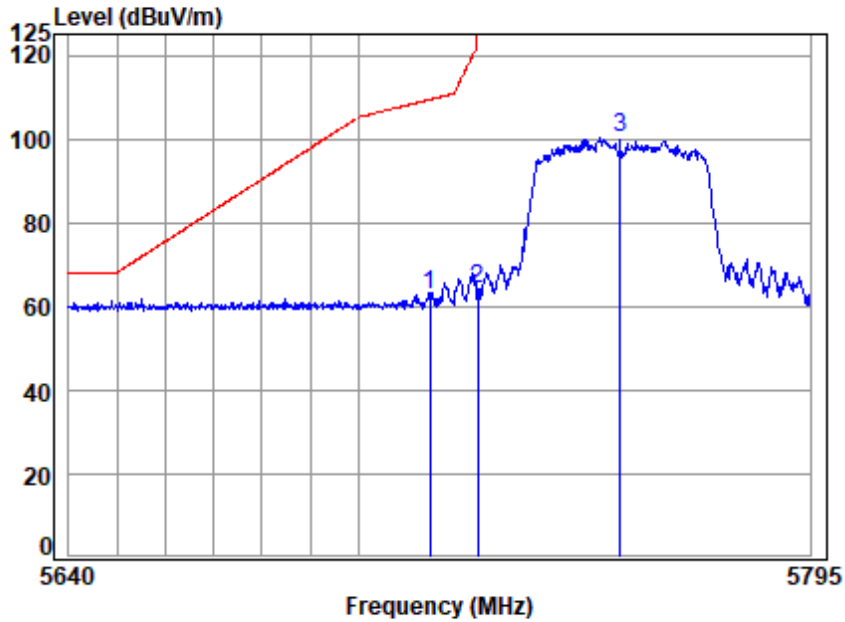
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5825 Band edge  
 : 5G WIFI 11AC20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.000	8.23	34.93	42.38	117.40	118.18	-----	peak
2	5850.000	8.24	34.95	42.39	64.79	65.59	122.20	-56.61 peak
3	5860.000	8.24	34.96	42.39	62.66	63.47	109.40	-45.93 peak



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



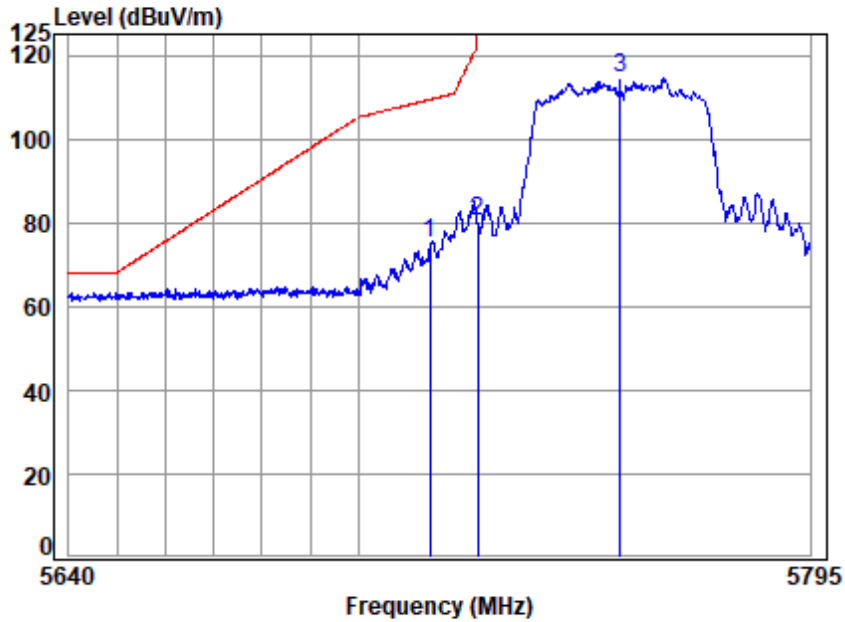
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5755 Band edge  
 : 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over			
Freq	Loss	Factor	Factor	Level	Level	Line	Limit		
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	5715.000	8.22	34.82	42.37	62.06	62.73	109.40	-46.67	peak
2	5725.000	8.22	34.83	42.37	63.25	63.93	122.20	-58.27	peak
3	5755.000	8.22	34.86	42.38	99.46	100.16	-----	-----	peak



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



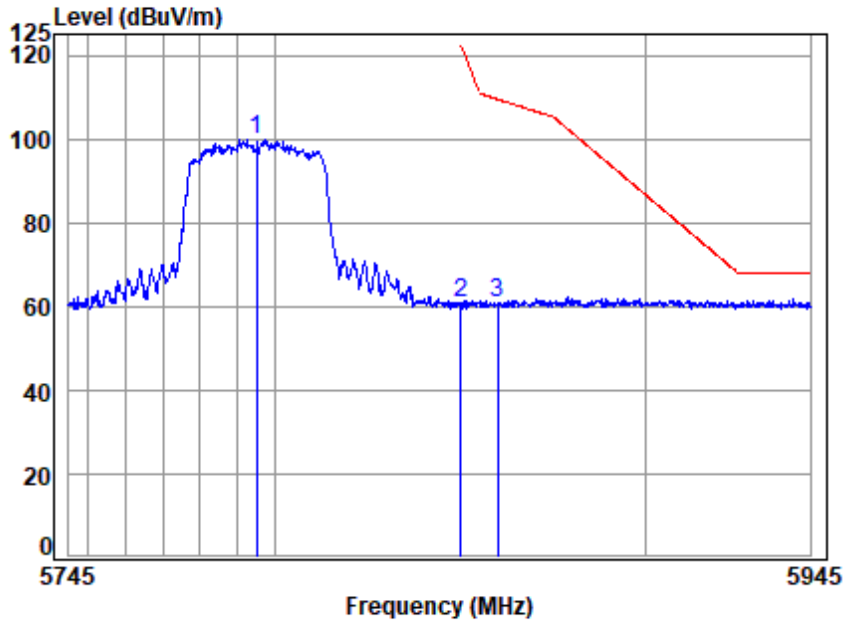
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5755 Band edge  
 : 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over			
Freq	Loss	Factor	Factor	Level	Level	Line	Limit		
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	5715.000	8.22	34.82	42.37	74.22	74.89	109.40	-34.51	peak
2	5725.000	8.22	34.83	42.37	79.83	80.51	122.20	-41.69	peak
3	5755.000	8.22	34.86	42.38	113.69	114.39	-----	-----	peak



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



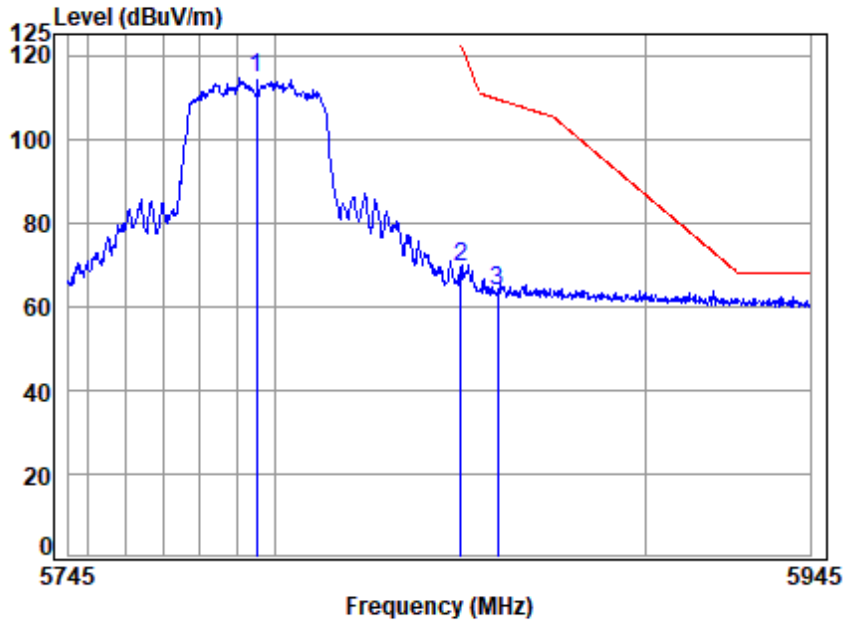
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5795 Band edge  
 : 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5795.000	8.23	34.90	42.38	99.04	99.79	-----	-----	peak
2	5850.000	8.24	34.95	42.39	60.06	60.86	122.20	-61.34	peak
3	5860.000	8.24	34.96	42.39	60.02	60.83	109.40	-48.57	peak



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



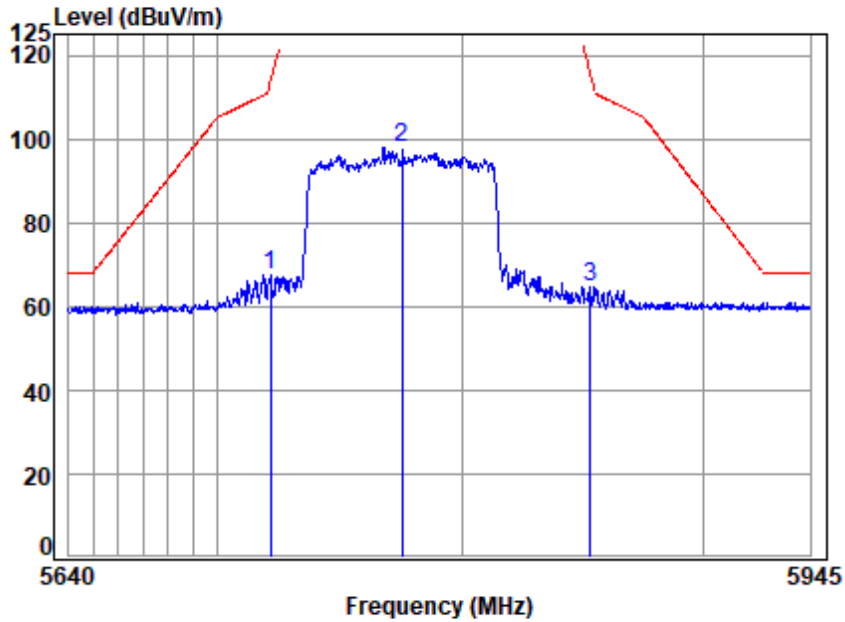
Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5795 Band edge  
 : 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5795.000	8.23	34.90	42.38	113.76	114.51	-----	----- peak
2	5850.000	8.24	34.95	42.39	68.53	69.33	122.20	-52.87 peak
3	5860.000	8.24	34.96	42.39	62.94	63.75	109.40	-45.65 peak



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 Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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



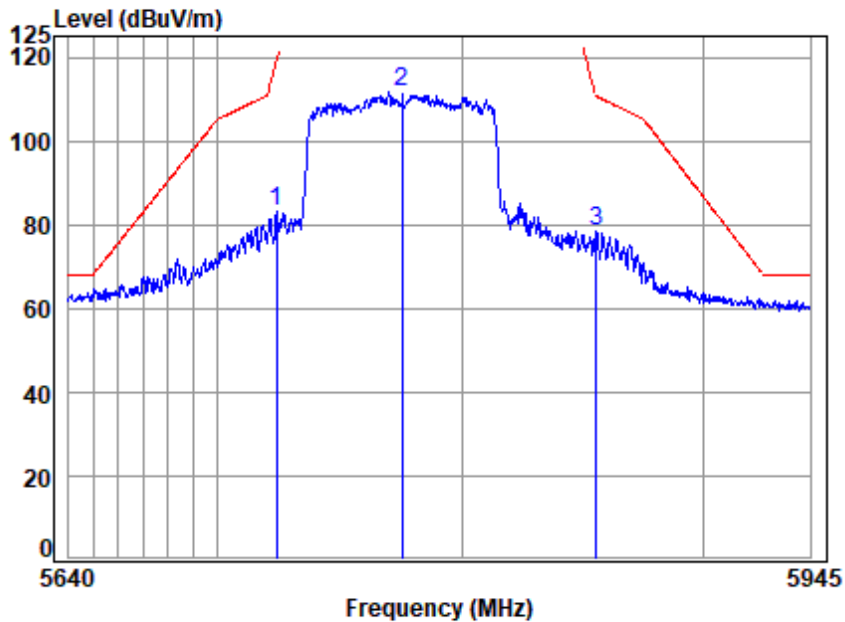
Site : chamber  
 Condition: 3m HORIZONTAL  
 Job No : 02038CR  
 Mode : 5775 Band edge  
 : 5G WIFI 11AC80

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5721.376	8.22	34.83	42.37	66.67	67.35	113.94	-46.59 peak
2	5775.000	8.22	34.88	42.38	97.06	97.78	-----	----- peak
3	5853.041	8.24	34.96	42.39	63.80	64.61	115.27	-50.66 peak



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



Site : chamber  
 Condition: 3m VERTICAL  
 Job No : 02038CR  
 Mode : 5775 Band edge  
 : 5G WIFI 11AC80

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5723.787	8.22	34.83	42.37	82.48	83.16	119.44	-36.28 peak
2	5775.000	8.22	34.88	42.38	110.84	111.56	-----	----- peak
3	5855.199	8.24	34.96	42.39	77.51	78.32	110.74	-32.42 peak



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**7.10 Frequency Stability**

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

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

Operating Environment:  
 Temperature: 25.5 °C Humidity: 40.0 % RH Atmospheric Pressure: 1010 mbar

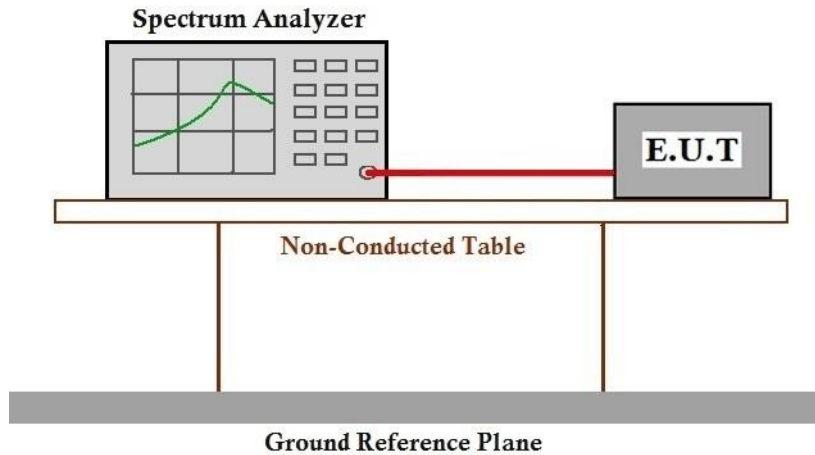
**7.10.2 Test Mode Description**

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	03	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). Only the data of worst case is recorded in the report.
Final test	04	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). Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.



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### 7.10.3 Test Setup Diagram



### 7.10.4 Measurement Procedure and Data

The applicant declares that the emissions are maintained within the band of operation under all conditions of normal operation as specified in the user's manual and meets Section 15.407(g) requirements.



## 8 Emission Test Results

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

Test Requirement: 47 CFR Part 15, Subpart C 15.247 &15.207

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

Limit:

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

\*Decreases with the logarithm of the frequency.

Detector: Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz

#### 8.1.1 E.U.T. Operation

Operating Environment:

Temperature: 25.5 °C Humidity: 40.0 % RH Atmospheric Pressure: 1010 mbar

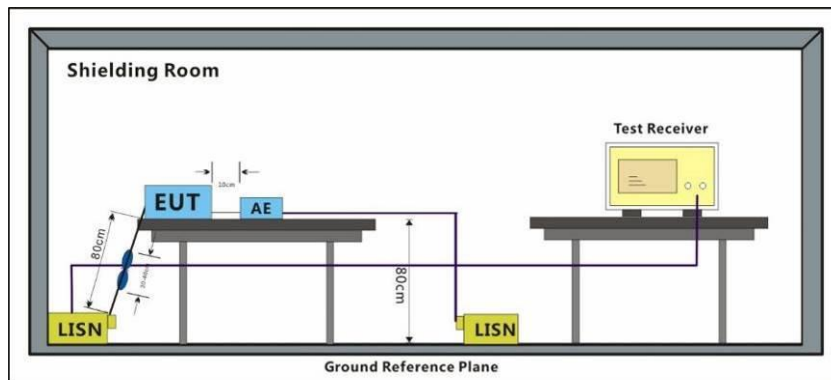
#### 8.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	03	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). Only the data of worst case is recorded in the report.
Final test	04	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). Only the data of worst case is recorded in the report.



		802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

**8.1.3 Test Setup Diagram**



**8.1.4 Measurement Procedure and Data**

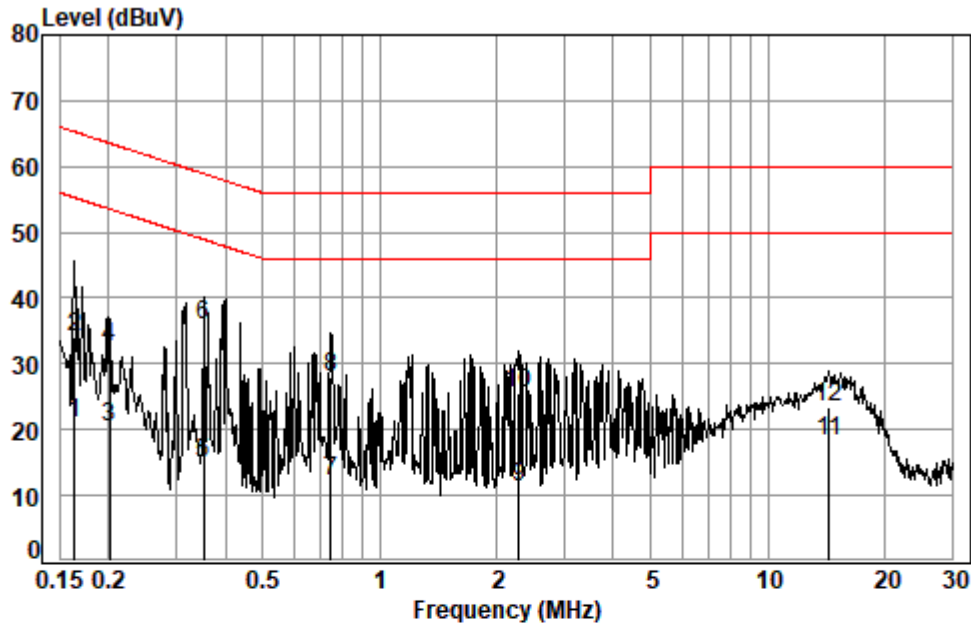
- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50μH + 5ohm linear impedance. The power cables of all other units of the EUT were connected to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

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



Test data for WG02

Test Mode: 02; Line: Live line



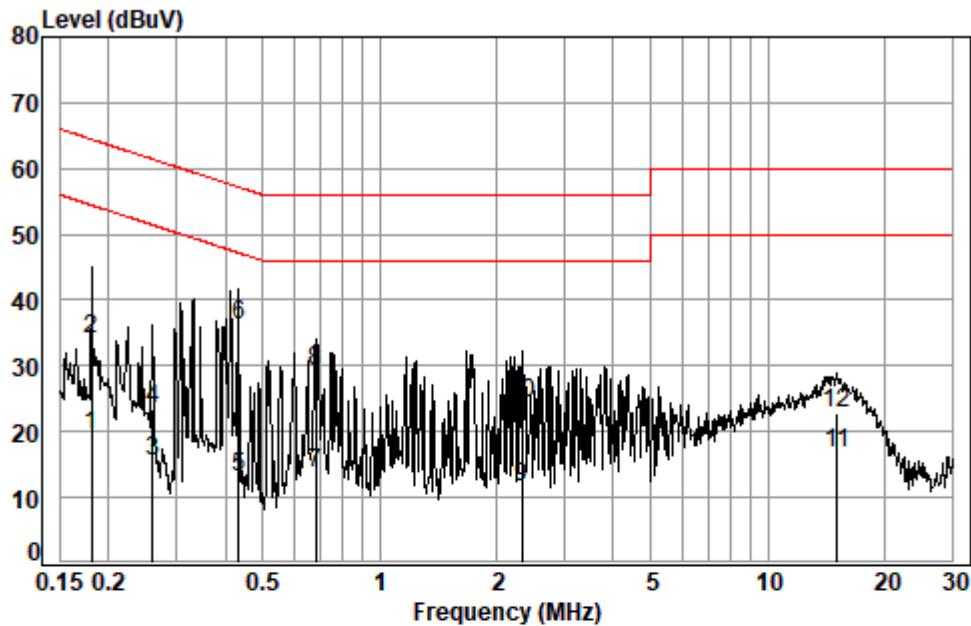
Site : Shielding Room  
Condition: Line  
Job No. : 02038CR  
Test mode: 02

	Freq	Cable Loss	LISN Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1633	0.03	9.71	11.10	20.84	55.30	-34.46	Average
2	0.1633	0.03	9.71	24.31	34.05	65.30	-31.25	QP
3	0.2018	0.04	9.72	10.72	20.48	53.54	-33.06	Average
4	0.2018	0.04	9.72	22.79	32.55	63.54	-30.99	QP
5	0.3520	0.06	9.75	5.14	14.95	48.91	-33.96	Average
6	0.3520	0.06	9.75	26.14	35.95	58.91	-22.96	QP
7	0.7470	0.09	9.77	2.32	12.18	46.00	-33.82	Average
8	0.7470	0.09	9.77	18.17	28.03	56.00	-27.97	QP
9	2.2847	0.13	9.82	1.35	11.30	46.00	-34.70	Average
10	2.2847	0.13	9.82	15.47	25.42	56.00	-30.58	QP
11	14.3641	0.16	10.48	7.67	18.31	50.00	-31.69	Average
12	14.3641	0.16	10.48	12.89	23.53	60.00	-36.47	QP



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Test Mode: 02; Line: Neutral Line



Site : Shielding Room  
Condition: Neutral  
Job No. : 02038CR  
Test mode: 02

	Freq	Cable Loss	LISN Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1806	0.03	9.72	9.68	19.43	54.46	-35.03	Average
2	0.1806	0.03	9.72	24.44	34.19	64.46	-30.27	QP
3	0.2603	0.05	9.73	5.60	15.38	51.42	-36.04	Average
4	0.2603	0.05	9.73	13.56	23.34	61.42	-38.08	QP
5	0.4328	0.07	9.75	3.20	13.02	47.20	-34.18	Average
6	0.4328	0.07	9.75	26.23	36.05	57.20	-21.15	QP
7	0.6863	0.09	9.77	3.73	13.59	46.00	-32.41	Average
8	0.6863	0.09	9.77	19.21	29.07	56.00	-26.93	QP
9	2.3213	0.13	9.82	1.48	11.43	46.00	-34.57	Average
10	2.3213	0.13	9.82	14.41	24.36	56.00	-31.64	QP
11	15.0656	0.16	10.53	6.11	16.80	50.00	-33.20	Average
12	15.0656	0.16	10.53	12.04	22.73	60.00	-37.27	QP



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## 9 Photographs

### 9.1 Test Setup

Please refer to setup photos.

### 9.2 EUT Constructional Details (EUT Photos)

Please Refer to external and internal photos for details.

