



TEST REPORT

Application No.:

SZEM2012012955CR

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.WG01-LTE-WiFi Router

2.Gateway PRO XL

Model No.:

WG01, WG05

*

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-AZ1333322

Standard(s) :

47 CFR Part 15, Subpart E 15.407

Date of Receipt:

2020-12-16

Date of Test:

2021-04-09 to 2021-04-28

Date of Issue:

2021-04-29

Test Result:

Pass*

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

Keny Xu
EMC Laboratory Manager



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Inspection & Testing Services Laboratory

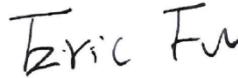
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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2021-04-29		Original

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

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2 Test Summary

Radio Spectrum Technical Requirement				
Item	Standard	Method	Requirement	Result
Antenna Requirement	47 CFR Part 15, Subpart E 15.407	N/A	47 CFR Part 15, Subpart C 15.203	Pass
Transmission in the Absence of Data		N/A	47 CFR Part 15, Subpart 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
Maximum Conducted output power		KDB 789033 D02 II E	47 CFR Part 15, Subpart C 15.407 (a)	Pass
Peak Power spectrum density		KDB 789033 D02 II F	47 CFR Part 15, Subpart C 15.407 (a)	Pass
Radiated Emissions (Above 1GHz)		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & 15.407(b)	Pass
Radiated Emissions which fall in the restricted bands		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & 15.407(b)	Pass
Frequency Stability		ANSI C63.10 (2013) Section 6.8	47 CFR Part 15, Subpart C 15.407 (g)	Pass
Radiated Emissions (Below 1GHz)		KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & 15.407(b)	Pass

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Remark:

Model No.: WG01, WG05

Only the model WG01 was tested, 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:

	WG01	WG05
Product Board Configuration Name:	WG01-LTE-WiFi Router	Gateway PRO XL
5G 3x3 WiFi	Yes	Yes
2.4G 3x3 WiFi	Yes	Yes
2.4G 2x2 WiFi	Yes	Yes
LTE module	Yes	Yes
mPCIE Slot	Yes	Yes
MicroSD Slot	Yes	Yes
Accelerometer and Temp Sensor	Yes	Yes
GE WAN port	Yes	No
POE Sink	Yes	No
POE Source	Yes	No
GE LAN port	Yes	Yes
Spare connectors	Yes	Yes
Power Analysis MCU	Yes	Yes
USB Ports	Yes, 1 USB A	Yes, 1 USB A
SIM Card Slot	1 through Dual SIM Connector	1 through Dual SIM Connector
	1 Through flat flex selectable	1 Through flat flex selectable
Mains Power	DC 12V	DC 12V



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4 General Information

4.1 Details of E.U.T.

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	
		5190-5230	2	
		5210	1	
UNII Band II-A	802.11a/n(HT20)/ac(HT20)	5260-5320	4	
		5270-5310	2	
		5290	1	
UNII Band II-C	802.11a/n(HT20)/ac(HT20)	5500-5700	8	
		5510-5670	5	
		5530,5610	2	
UNII Band III	802.11a/n(HT20)/ac(HT20)	5745-5825	5	
		5755-5795	2	
		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:	Not support			
Sample Type:	Fixed devices			
Antenna Type:	PCB antenna			
Antenna Gain:	Antenna1/Antenna2/Antenna3: 4.6dBi Note: MIMO for 802.11n/ac			

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
DC power	ZHAOXIN	RXN-305D	REF. No. SEA2700

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4.3 Measurement Uncertainty

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



4.4 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.

4.5 Test Facility

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

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

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

- **VCCI**

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.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None

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5 Equipment List

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	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	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 2021-04-11	2021-04-12 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

Radiated Spurious Emissions					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2020-07-19	2023-07-18
MXE EMI Receiver	Agilent Technologies	N9038A	SEM004-15	2020-11-02	2021-11-01
BiConiLog Antenna	ETS-LINDGREN	3142C	SEM003-02	2019-05-24	2022-05-23
Pre-Amplifier	Agilent Technologies	8447D	SEM005-01	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	SEM025-01	2020-07-10	2021-07-09

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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

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.

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6.2 Transmission in the Absence of Data

6.2.1 Test Requirement:

47 CFR Part 15, Subpart C 15.407 (c)

6.2.2 Conclusion

Standard Requirement:

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

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

EUT Details:

WIFI chip (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.



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7 Radio Spectrum Matter Test Results

7.1 Duty Cycle

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

7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 26.5 °C Humidity: 34.7 % 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 802.11n(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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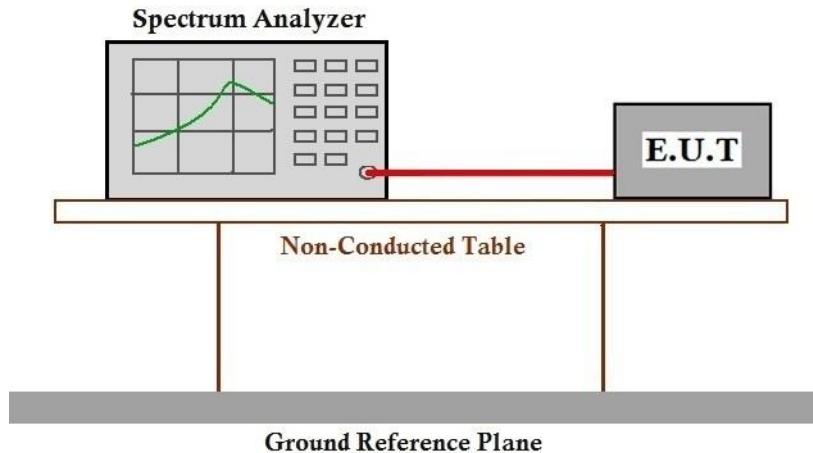
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7.1.3 Test Setup Diagram



7.1.4 Measurement Procedure and Data

Please Refer To Appendix For Details



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7.2 99% Bandwidth

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

7.2.1 E.U.T. Operation

Operating Environment:
Temperature: 26.5 °C Humidity: 34.7 % 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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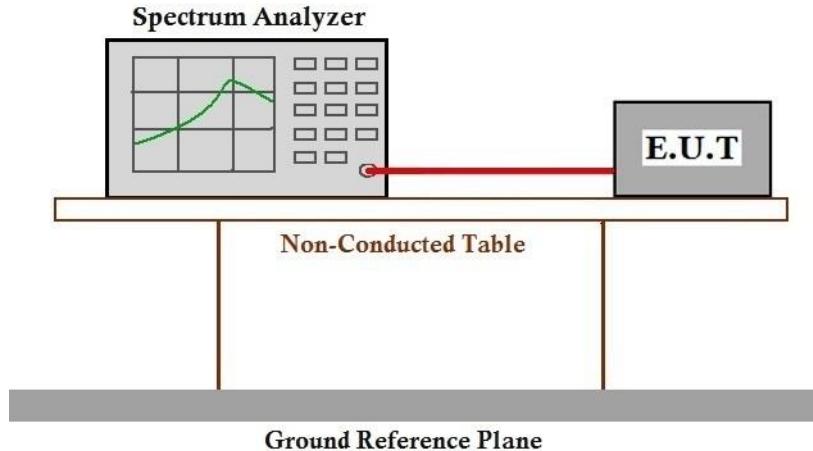
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7.2.3 Test Setup Diagram



7.2.4 Measurement Procedure and Data

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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: 26.5 °C Humidity: 34.7 % 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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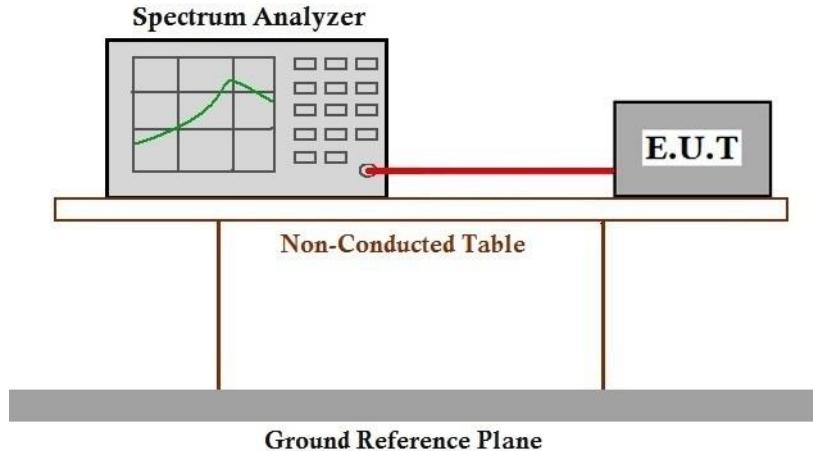
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7.3.3 Test Setup Diagram



7.3.4 Measurement Procedure and Data

Please Refer To Appendix For Details



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

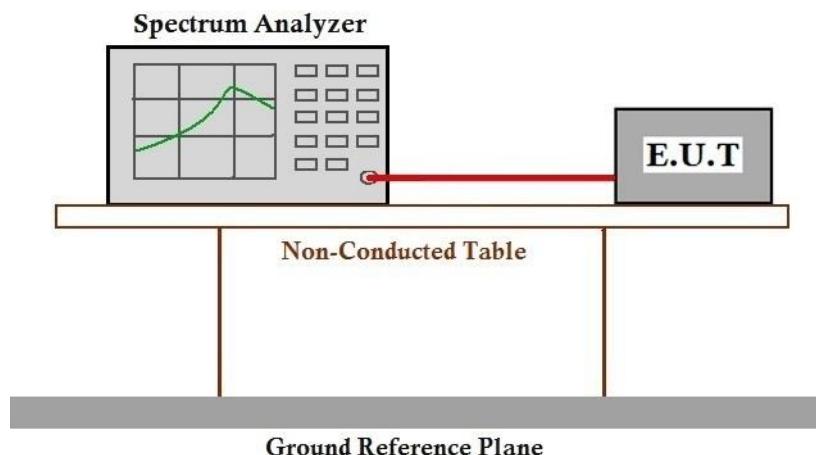
Test Requirement 47 CFR Part 15, Subpart C 15.407 (e)
Test Method: KDB 789033 D02 II C 2
Limit: ≥ 500 kHz

7.4.1 E.U.T. Operation

Operating Environment:
Temperature: 26.5 °C Humidity: 34.7 % 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**

Please Refer To Appendix For Details



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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(24dBm) for client device
5250-5350	≤250mW(24dBm) for client device or 11dBm+10logB*
5470-5725	≤250mW(24dBm) for client device or 11dBm+10logB*
5725-5850	≤1W(30dBm)

Remark:

* Where B is the 26dB emission bandwidth in MHz.

The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.

7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 26.5 °C

Humidity: 34.7 % RH

Atmospheric Pressure: 1010 mbar



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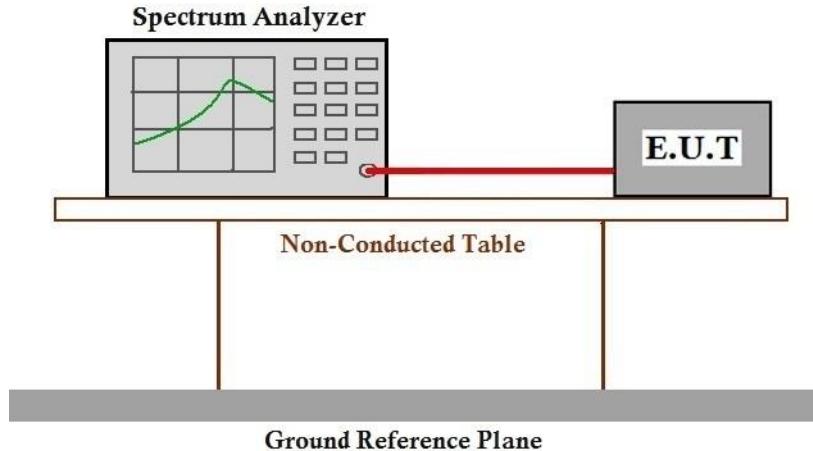
7.5.2 Test Mode Description

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



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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: 26.5 °C

Humidity: 34.7 % 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.
Final test	05	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all

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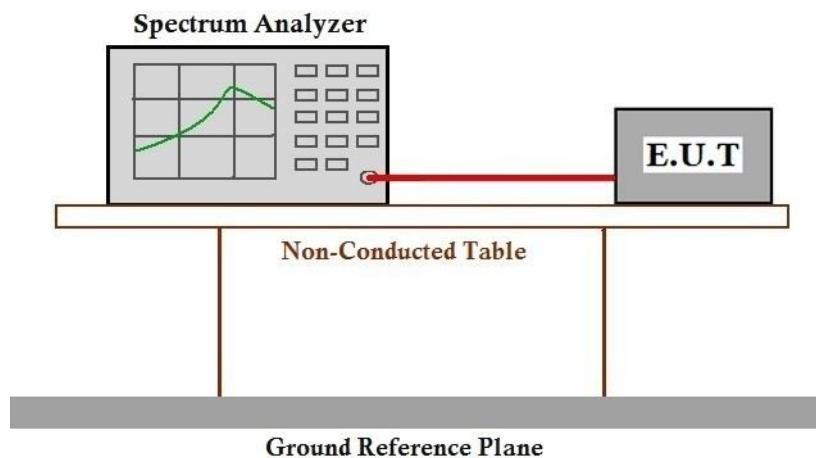


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		modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
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7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

Please Refer To Appendix For Details

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7.7 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: 51.2 % RH

Atmospheric Pressure: 1010 mbar

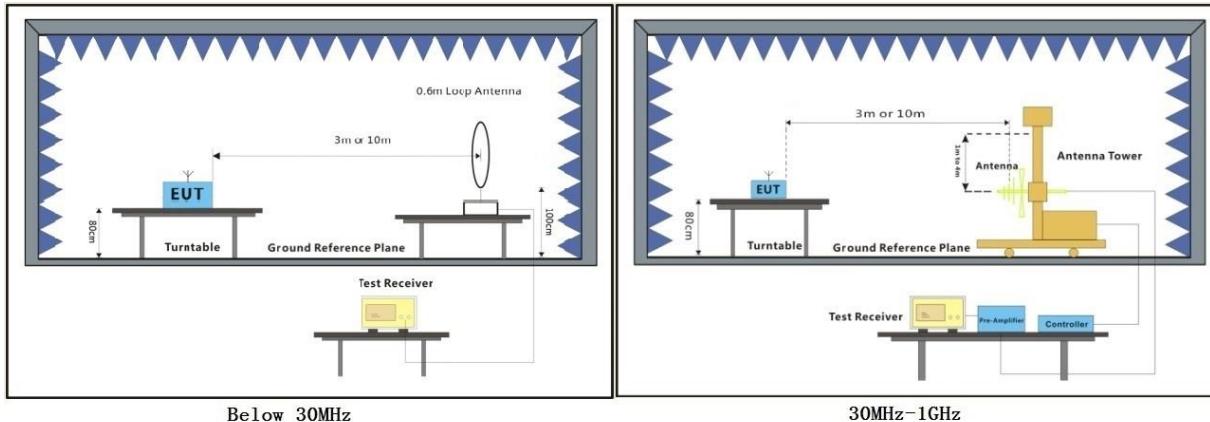
7.7.2 Test Mode Description

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 report.

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7.7.3 Test Setup Diagram



Below 30MHz

30MHz-1GHz

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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;

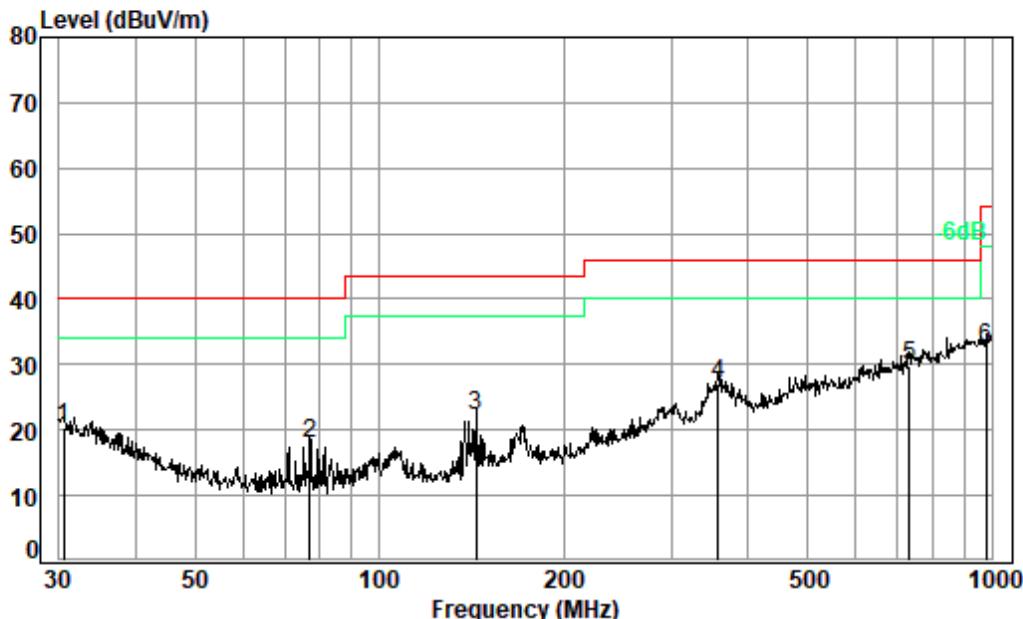
So, Only the worst test data is recorded in the report.



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Test Mode: 02; Polarity: Horizontal



Condition: 3m HORIZONTAL

Job No. : 12955CR

Test Mode: 02

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level				
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	30.53	0.61	22.59	27.73	24.78	20.25	40.00	-19.75 QP
2	77.05	1.09	12.35	27.64	32.18	17.98	40.00	-22.02 QP
3	143.83	1.15	13.91	27.37	34.45	22.14	43.50	-21.36 QP
4	357.93	2.18	21.56	27.19	30.40	26.95	46.00	-19.05 QP
5 pp	734.49	3.04	27.86	27.85	26.82	29.87	46.00	-16.13 QP
6	979.18	3.58	29.50	26.76	26.38	32.70	54.00	-21.30 QP

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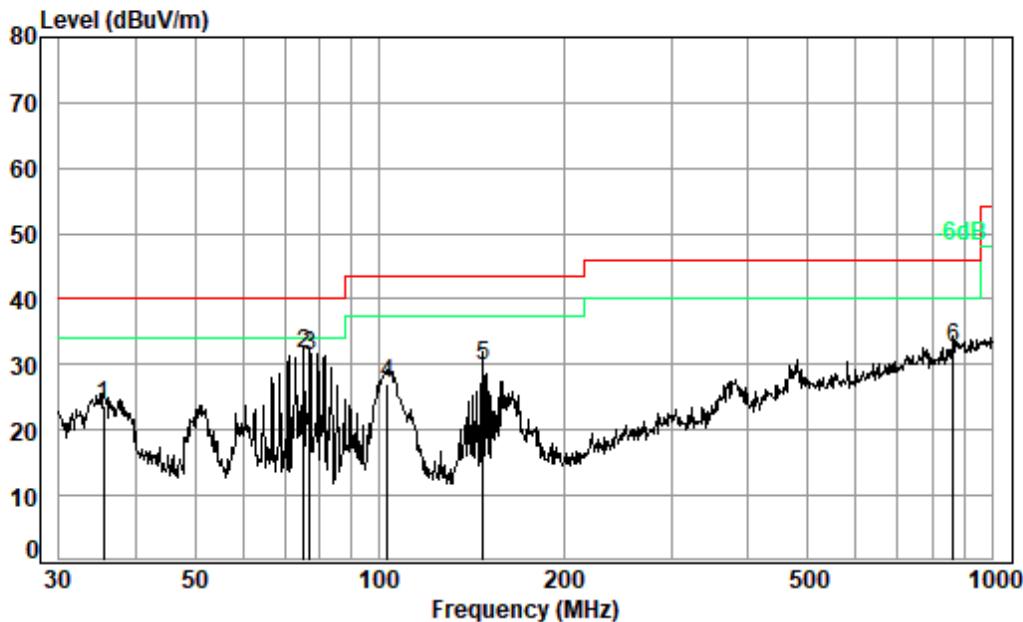
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Test Mode: 02; Polarity: Vertical



Condition: 3m VERTICAL

Job No. : 12955CR

Test Mode: 02

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	35.50	0.66	19.99	27.72	30.78	23.71	40.00 -16.29 QP
2 pp	75.18	1.01	12.40	27.64	45.90	31.67	40.00 -8.33 QP
3	77.05	1.09	12.35	27.64	45.57	31.37	40.00 -8.63 QP
4	103.08	1.10	13.90	27.59	39.67	27.08	43.50 -16.42 QP
5	147.92	1.16	14.44	27.35	41.58	29.83	43.50 -13.67 QP
6	866.09	3.43	28.61	27.35	27.73	32.42	46.00 -13.58 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.

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

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

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 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

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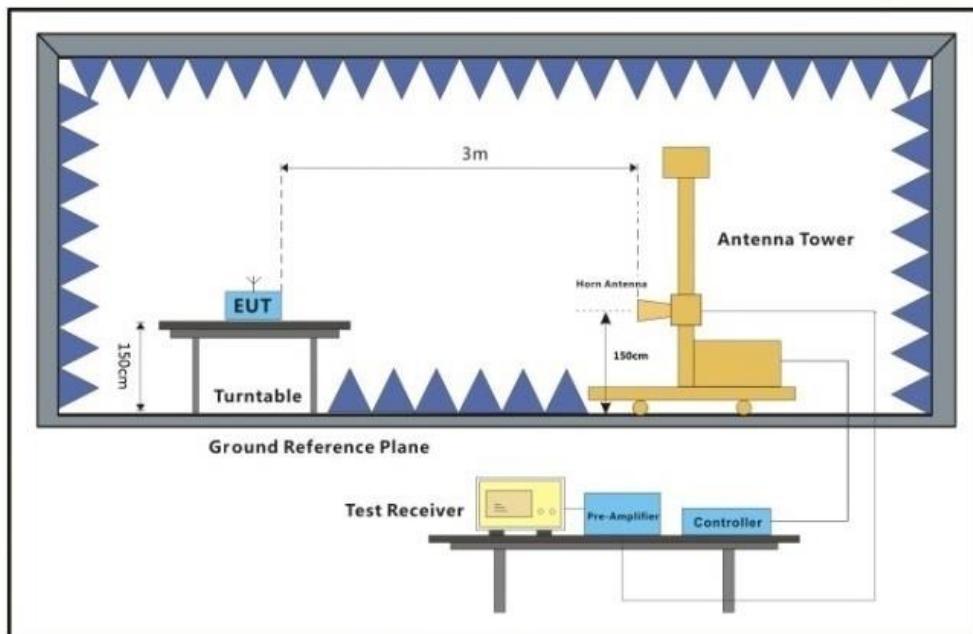
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		IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	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.

7.8.3 Test Setup Diagram



Above 1GHz

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7.8.4 Measurement Procedure and Data

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

Remark:

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

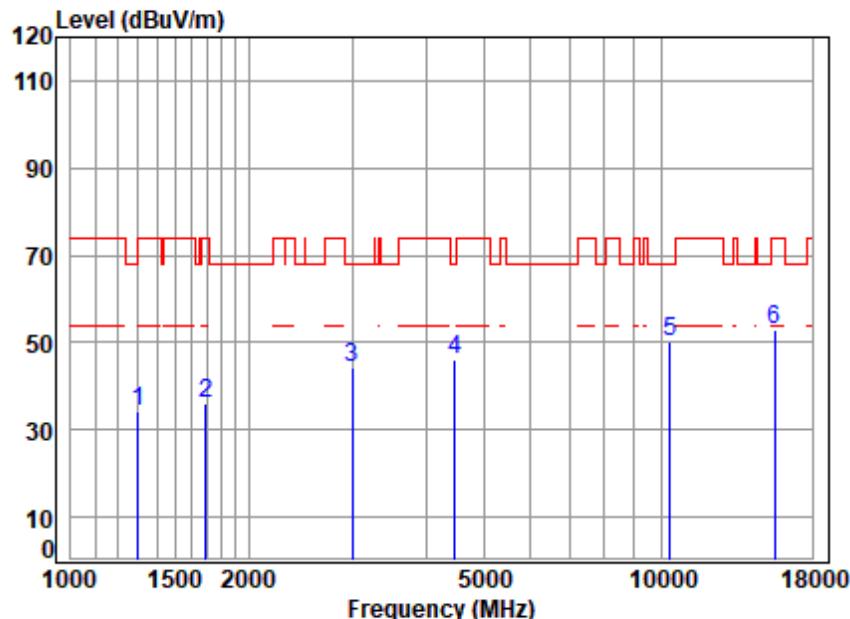
So, Only the worst test data is recorded in the report.



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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5180 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark	
					dB	dB/m	dB	dBuV	dBuV/m
MHz									
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	10360.000	10.57	37.76	37.29	39.28	50.32	68.20	-17.88	peak
6	15540.000	13.97	40.72	40.38	38.45	52.76	74.00	-21.24	peak

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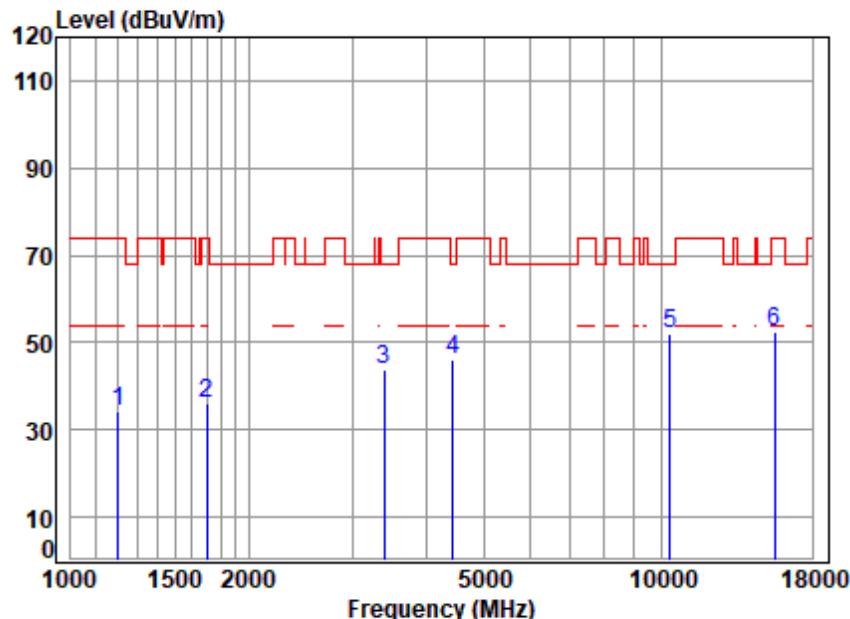
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Test Mode: 02; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5180 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark	
								MHz	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	10360.000	10.57	37.76	37.29	40.87	51.91	68.20	-16.29	peak
6	15540.000	13.97	40.72	40.38	38.20	52.51	74.00	-21.49	peak

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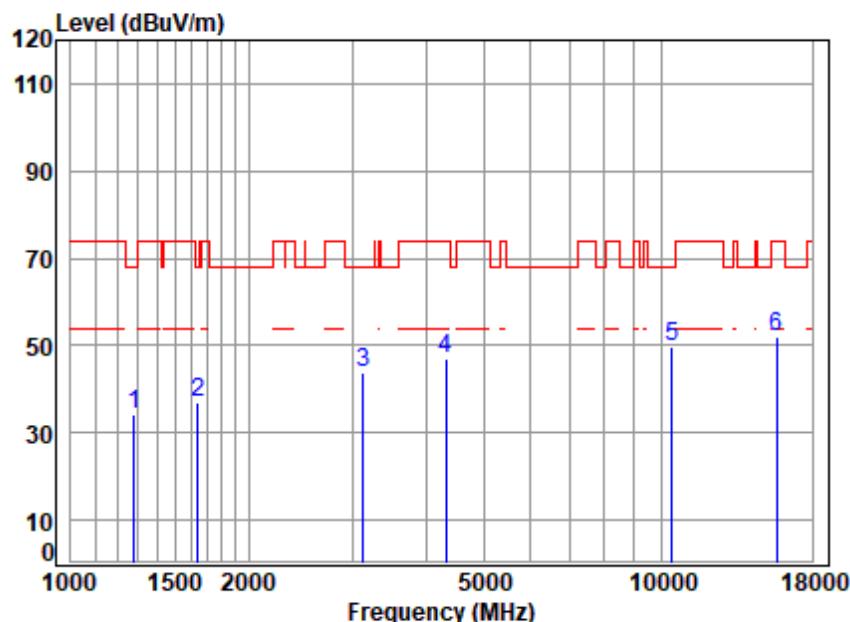


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Test Mode: 02; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



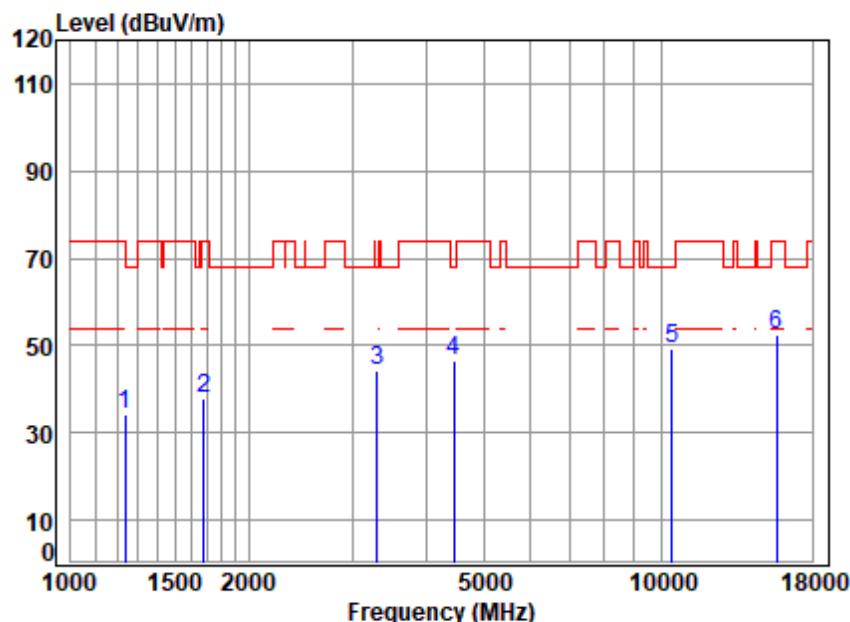
Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5220 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark	
					dB	dB/m	dB	dBuV	dBuV/m
MHz									
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	10440.000	10.55	37.72	37.34	38.81	49.74	68.20	-18.46	peak
6	15660.000	14.02	40.80	40.44	37.72	52.10	74.00	-21.90	peak

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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5220 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark	
								MHz	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	10440.000	10.55	37.72	37.34	38.50	49.43	68.20	-18.77	peak
6	15660.000	14.02	40.80	40.44	37.92	52.30	74.00	-21.70	peak

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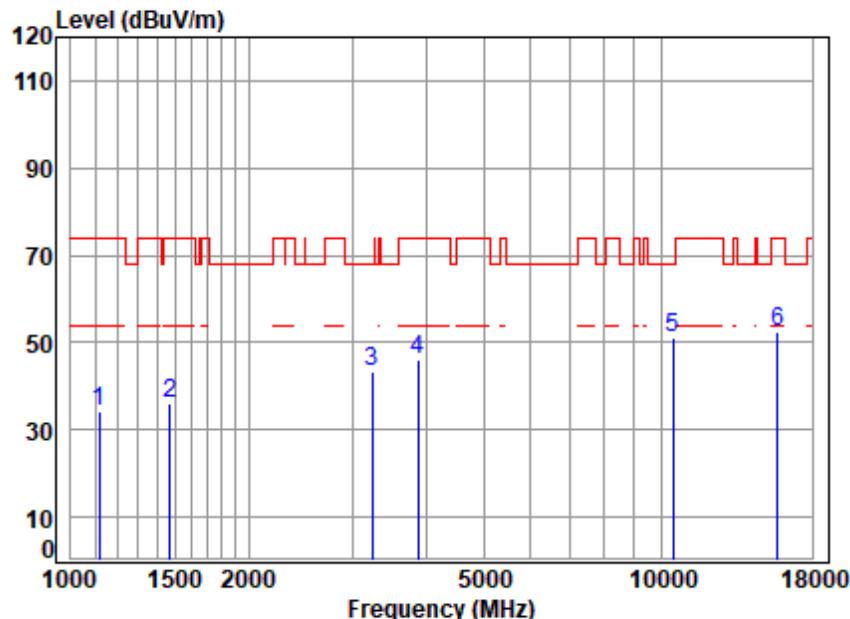
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



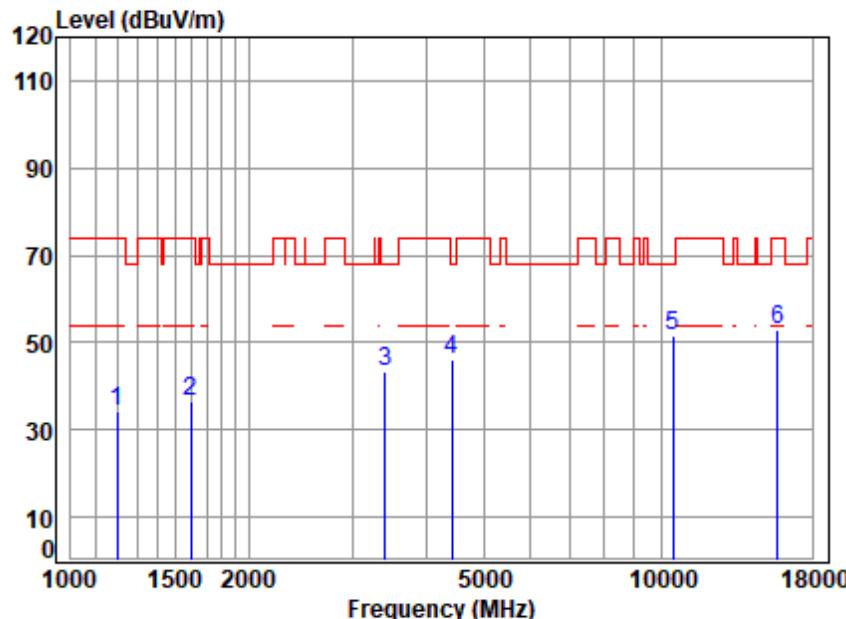
Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5240 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark	
					dB	dB/m	dB	dBuV	dBuV/m
MHz									
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	10480.000	10.54	37.71	37.36	40.11	51.00	68.20	-17.20	peak
6	15720.000	14.04	40.83	40.47	38.12	52.52	74.00	-21.48	peak

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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5240 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark	
					dB	dB/m	dB	dBuV	dBuV/m
MHz									
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	10480.000	10.54	37.71	37.36	40.59	51.48	68.20	-16.72	peak
6	15720.000	14.04	40.83	40.47	38.39	52.79	74.00	-21.21	peak

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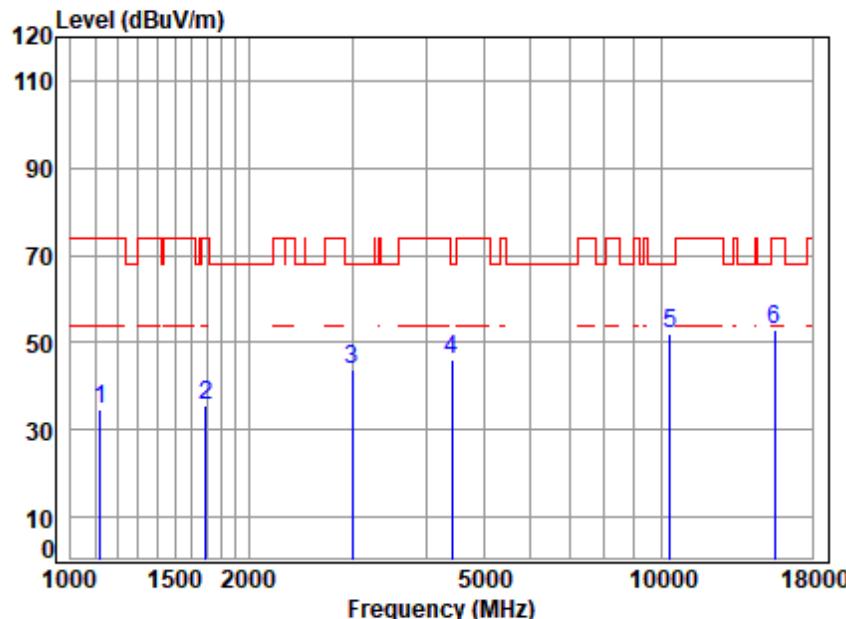
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



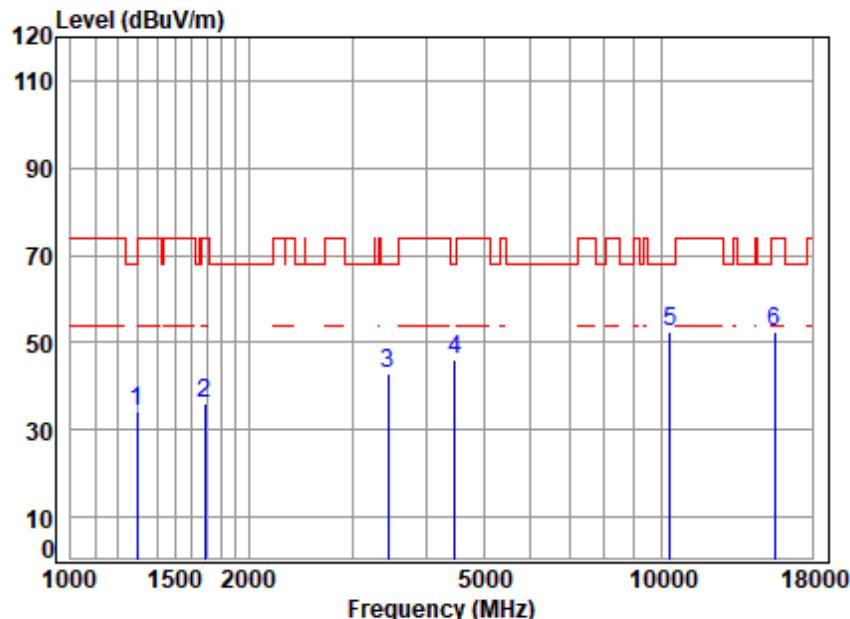
Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5180 TX RSE
Note : 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark
					dB	dBuV	dBuV/m	dBuV/m
MHz	dB	dB/m	dB	dBuV	dBuV/m	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 10360.000	10.57	37.76	37.29	41.01	52.05	68.20	-16.15	peak
6 15540.000	13.97	40.72	40.38	38.53	52.84	74.00	-21.16	peak

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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5180 TX RSE
Note : 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark	
								MHz	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	10360.000	10.57	37.76	37.29	41.60	52.64	68.20	-15.56	peak
6	15540.000	13.97	40.72	40.38	38.34	52.65	74.00	-21.35	peak

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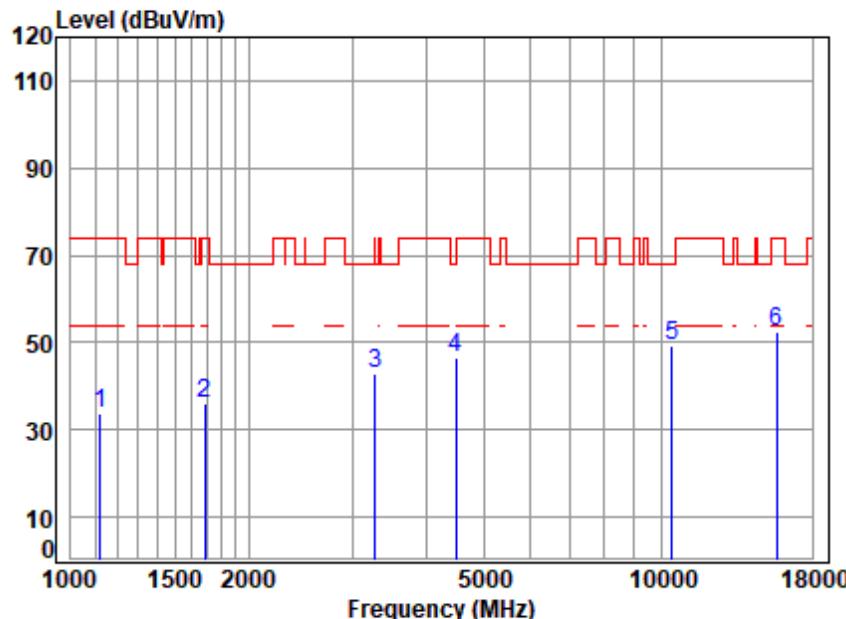
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



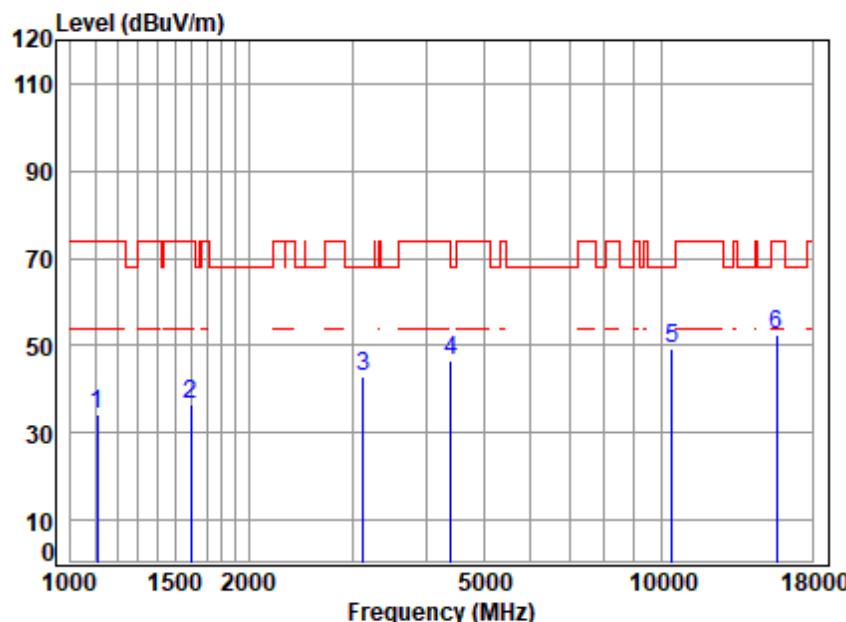
Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5220 TX RSE
Note : 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line	Over Limit	Remark
					dB	dBuV			
MHz	dB	dB/m	dB	dBuV	dBuV/m	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 10440.000	10.55	37.72	37.34	38.23	49.16	68.20	-19.04	peak	
6 15660.000	14.02	40.80	40.44	38.11	52.49	74.00	-21.51	peak	

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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5220 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	
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	10440.000	10.55	37.72	37.34	38.16	49.09	68.20	-19.11	peak
6	15660.000	14.02	40.80	40.44	38.00	52.38	74.00	-21.62	peak

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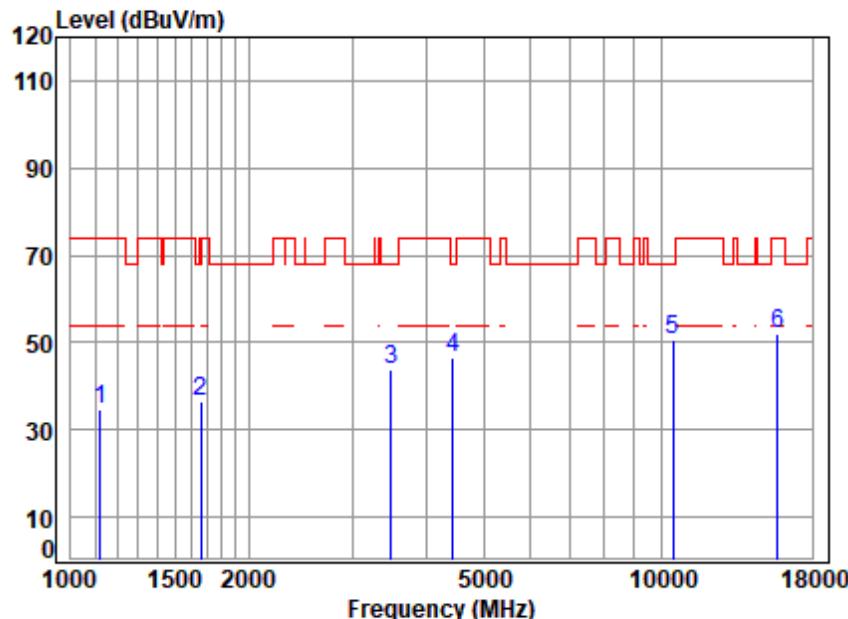


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Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5240 TX RSE
Note : 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark	
								MHz	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	10480.000	10.54	37.71	37.36	39.70	50.59	68.20	-17.61	peak
6	15720.000	14.04	40.83	40.47	37.75	52.15	74.00	-21.85	peak

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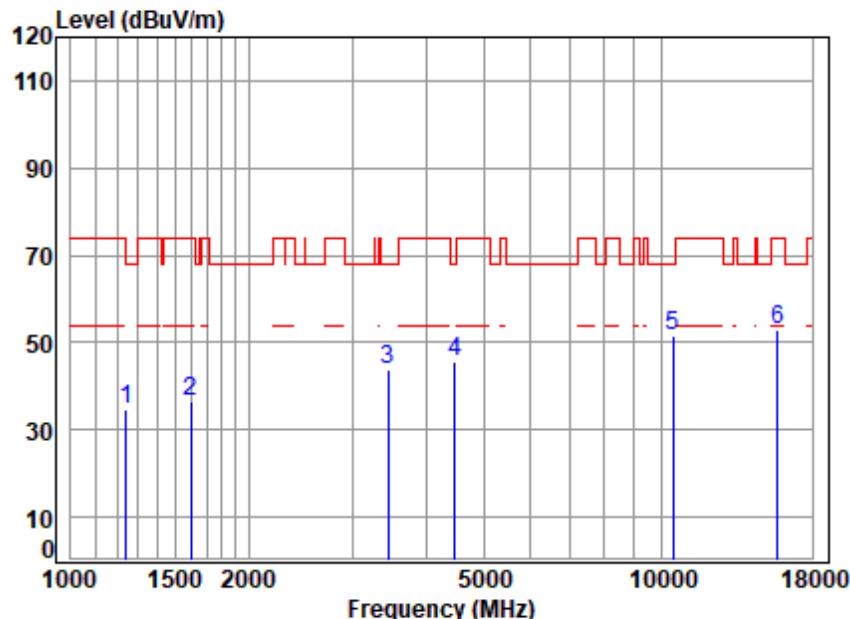
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Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



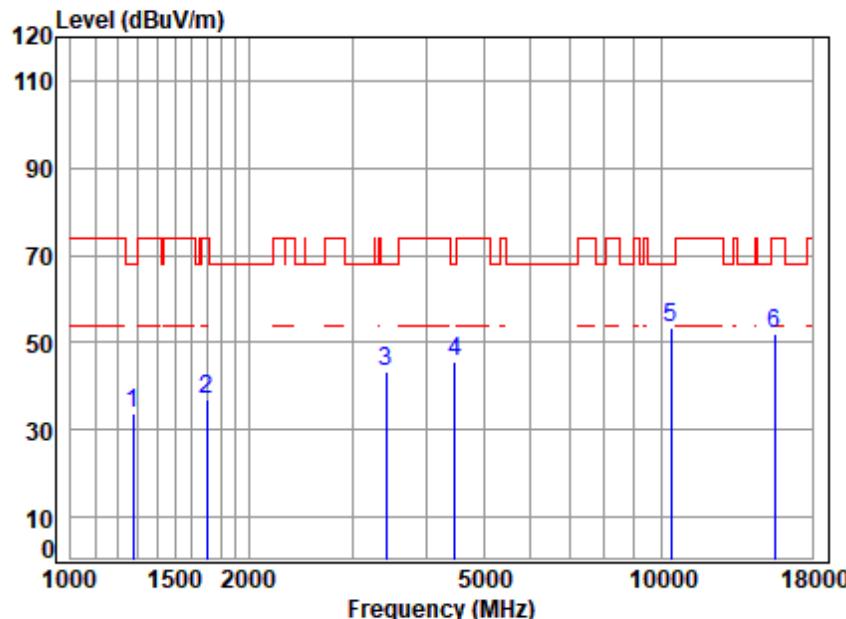
Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5240 TX RSE
Note : 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line	Over Limit	Remark
					dB	dB/m	dB	dBuV/m	dBuV/m
MHz	dB	dB/m	dB	dBuV	dBuV/m	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 10480.000	10.54	37.71	37.36	40.71	51.60	68.20	-16.60	peak	
6 15720.000	14.04	40.83	40.47	38.61	53.01	74.00	-20.99	peak	

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5190 TX RSE
Note : 5G WIFI 11N40

Freq	Cable Loss		Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	
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	10380.000	10.57	37.75	37.30	42.50	53.52	68.20	-14.68	peak
6	15570.000	13.98	40.74	40.40	37.82	52.14	74.00	-21.86	peak

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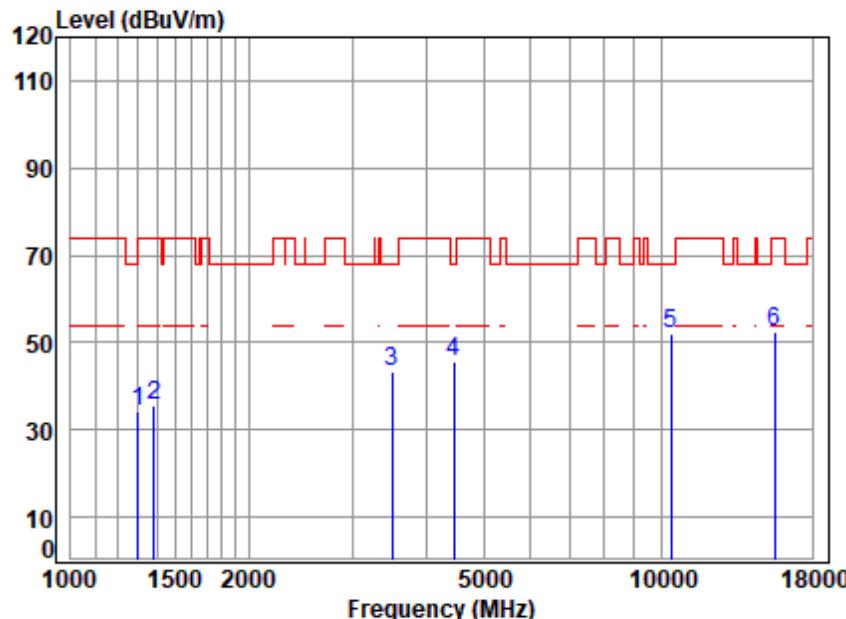
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Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5190 TX RSE
Note : 5G WIFI 11N40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark	
								MHz	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	10380.000	10.57	37.75	37.30	41.10	52.12	68.20	-16.08	peak
6	15570.000	13.98	40.74	40.40	37.98	52.30	74.00	-21.70	peak

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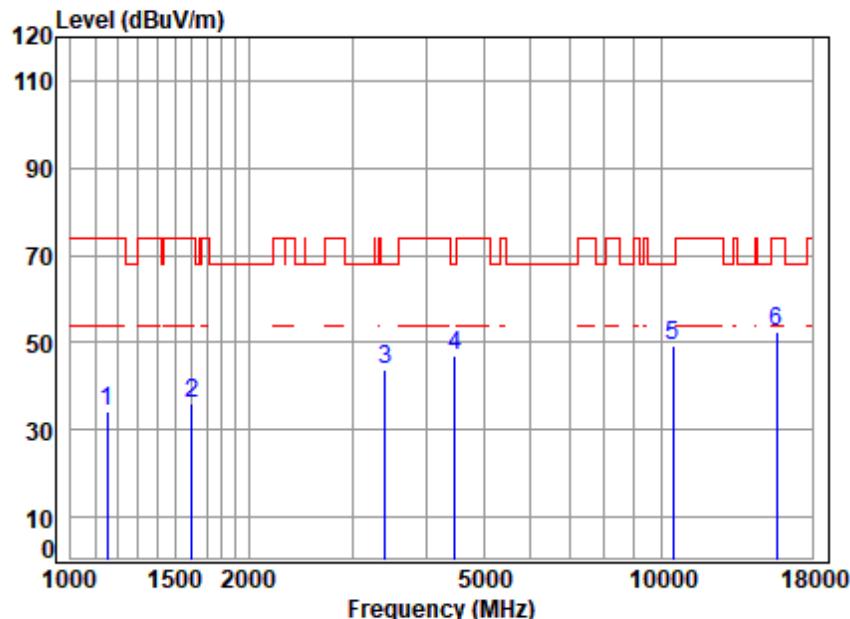
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



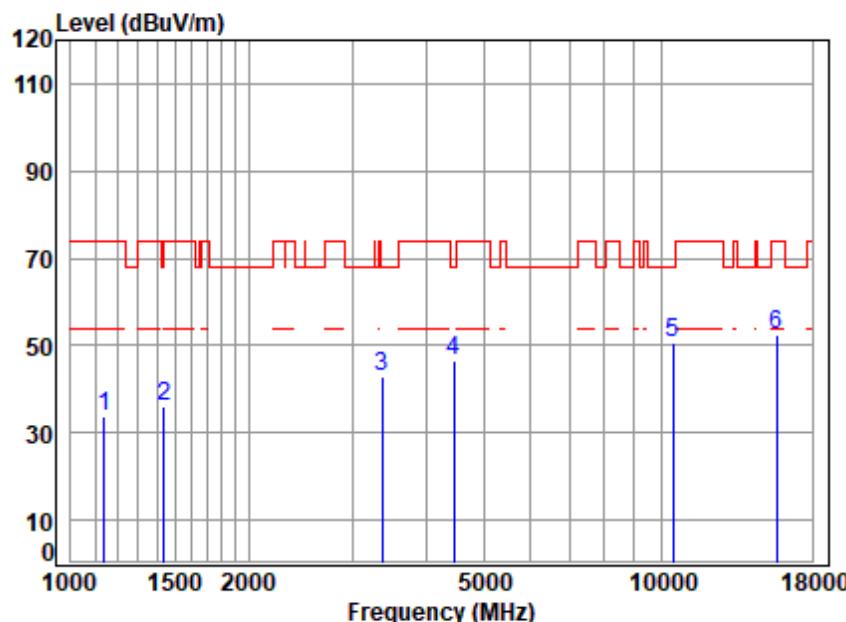
Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5230 TX RSE
Note : 5G WIFI 11N40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark	
					dB	dB/m	dB	dBuV	dBuV/m
MHz									
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 10460.000	10.54	37.72	37.35	38.50	49.41	68.20	-18.79	peak	
6 15690.000	14.03	40.82	40.45	37.85	52.25	74.00	-21.75	peak	

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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5230 TX RSE
Note : 5G WIFI 11N40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark	
					dB	dB/m	dB	dBuV	dBuV/m
MHz									
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	10460.000	10.54	37.72	37.35	39.62	50.53	68.20	-17.67	peak
6	15690.000	14.03	40.82	40.45	37.93	52.33	74.00	-21.67	peak

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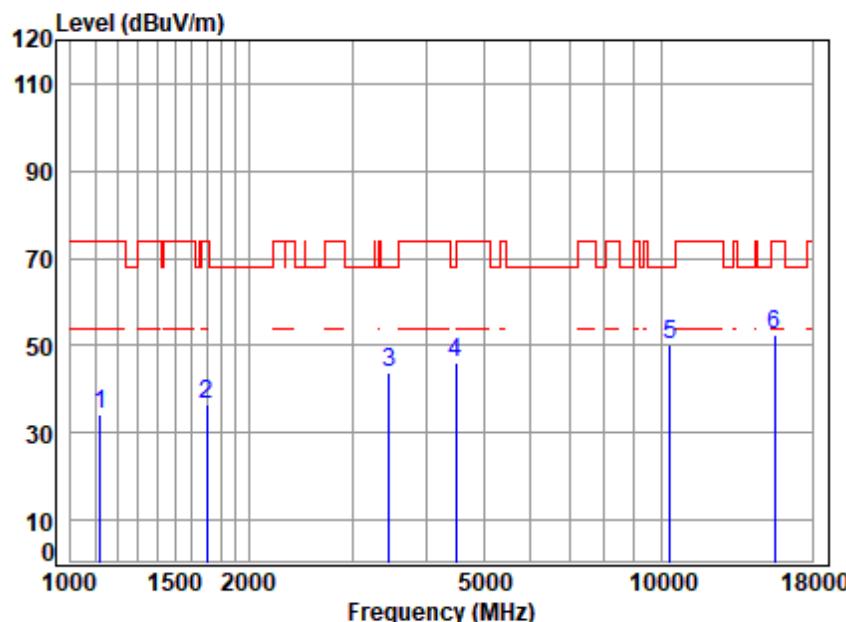
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5180 TX RSE
Note : 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line Limit	Over Remark	
					dB	dB/m	dB	dBuV	dBuV/m
MHz									
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	10360.000	10.57	37.76	37.29	39.27	50.31	68.20	-17.89	peak
6	15540.000	13.97	40.72	40.38	38.32	52.63	74.00	-21.37	peak

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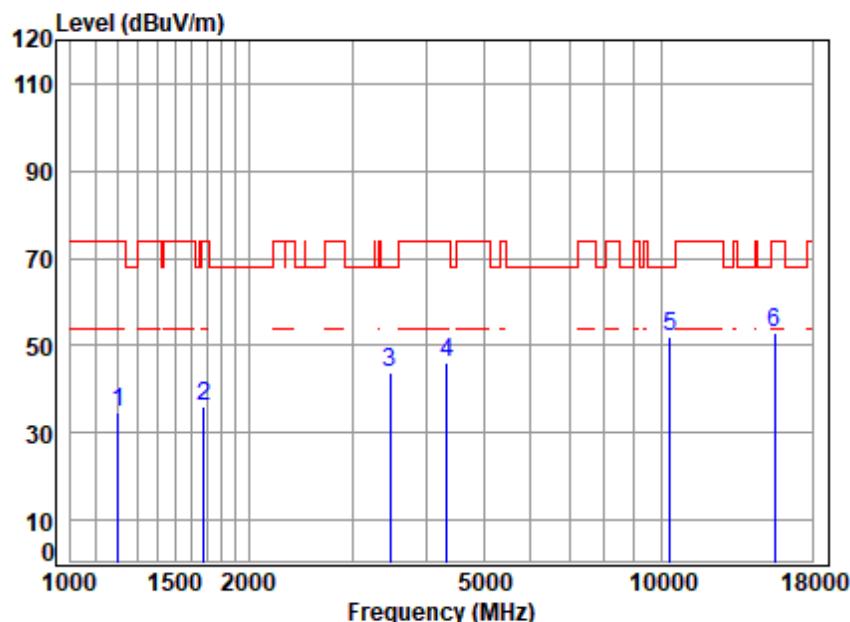
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



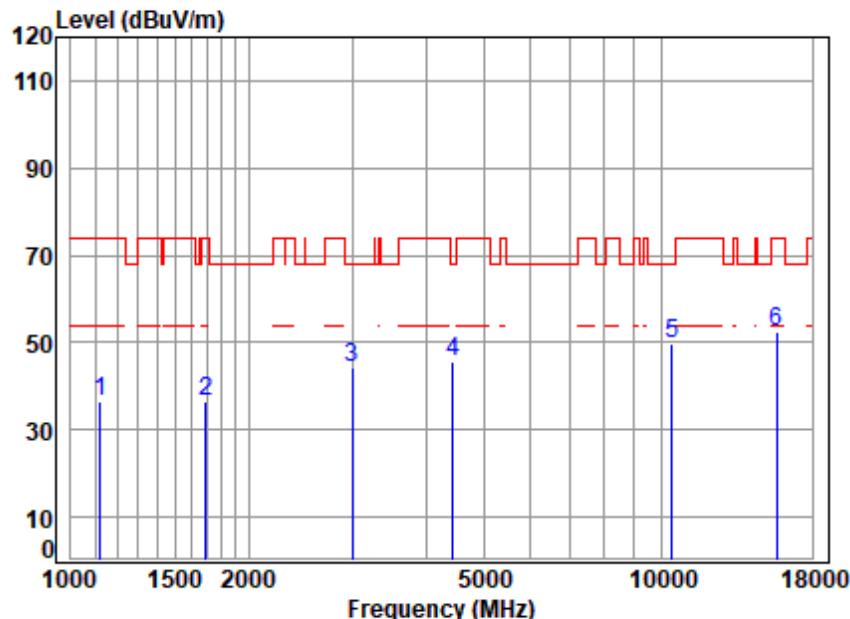
Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5180 TX RSE
Note : 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark	
				Level				
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 10360.000	10.57	37.76	37.29	41.10	52.14	68.20	-16.06	peak
6 15540.000	13.97	40.72	40.38	38.62	52.93	74.00	-21.07	peak

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5220 TX RSE
Note : 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line	Over Limit	Remark
					dB	dBuV			
MHz	dB	dB/m	dB	dBuV	dBuV/m	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 10440.000	10.55	37.72	37.34	38.62	49.55	68.20	-18.65	peak	
6 15660.000	14.02	40.80	40.44	38.26	52.64	74.00	-21.36	peak	

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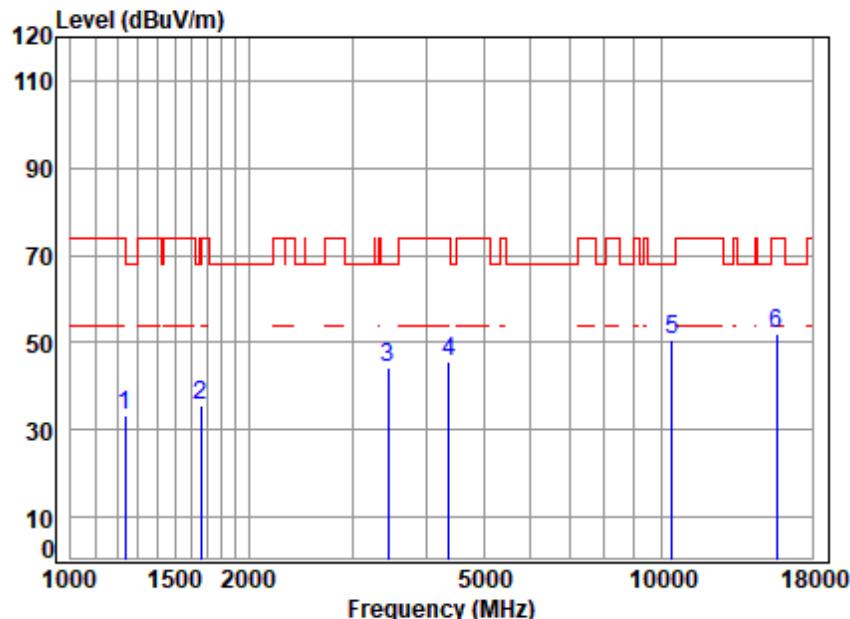
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5220 TX RSE
Note : 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark	
								dB	
MHz									
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	10440.000	10.55	37.72	37.34	39.53	50.46	68.20	-17.74	peak
6	15660.000	14.02	40.80	40.44	37.63	52.01	74.00	-21.99	peak

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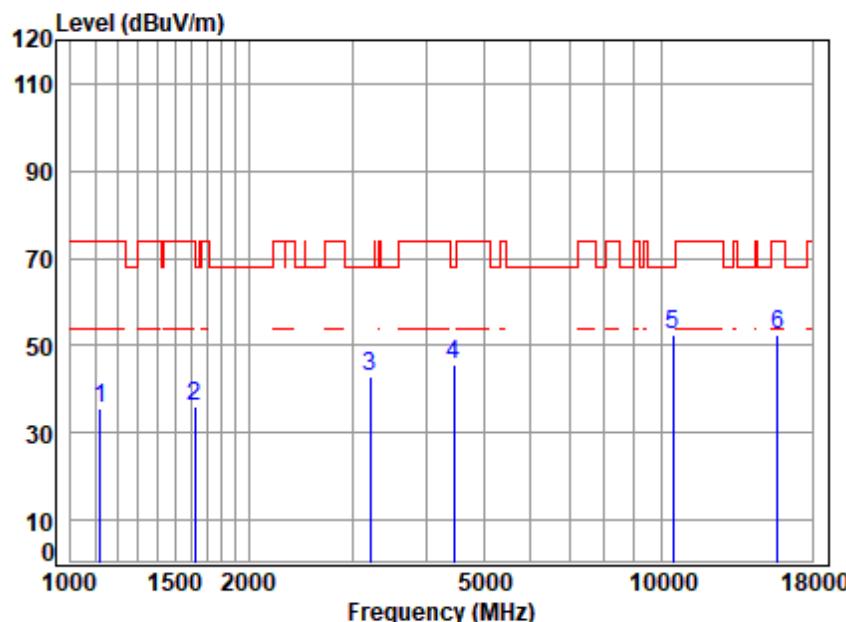
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5240 TX RSE
Note : 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark	
								MHz	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 10480.000	10.54	37.71	37.36	41.37	52.26	68.20	-15.94	peak	
6 15720.000	14.04	40.83	40.47	37.92	52.32	74.00	-21.68	peak	

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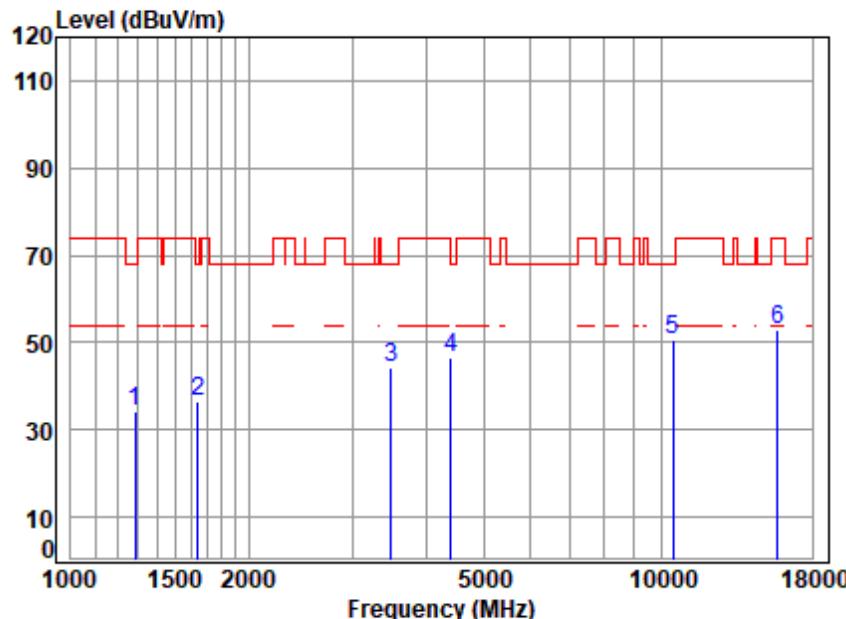
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5240 TX RSE
Note : 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark
					dB	dBuV	dBuV/m	dBuV/m
MHz	dB	dB/m	dB	dBuV	dBuV/m	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 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	38.33	52.73	74.00	-21.27	peak

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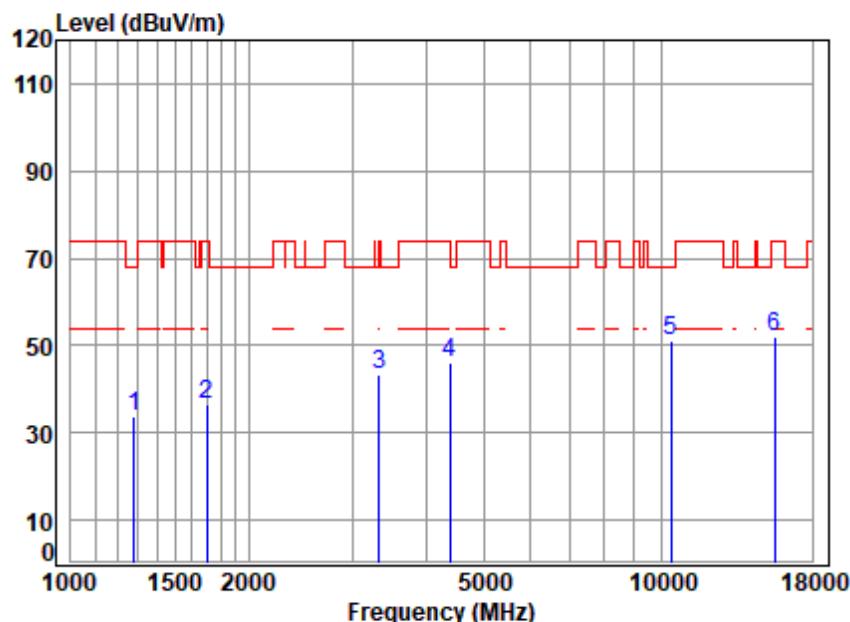
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



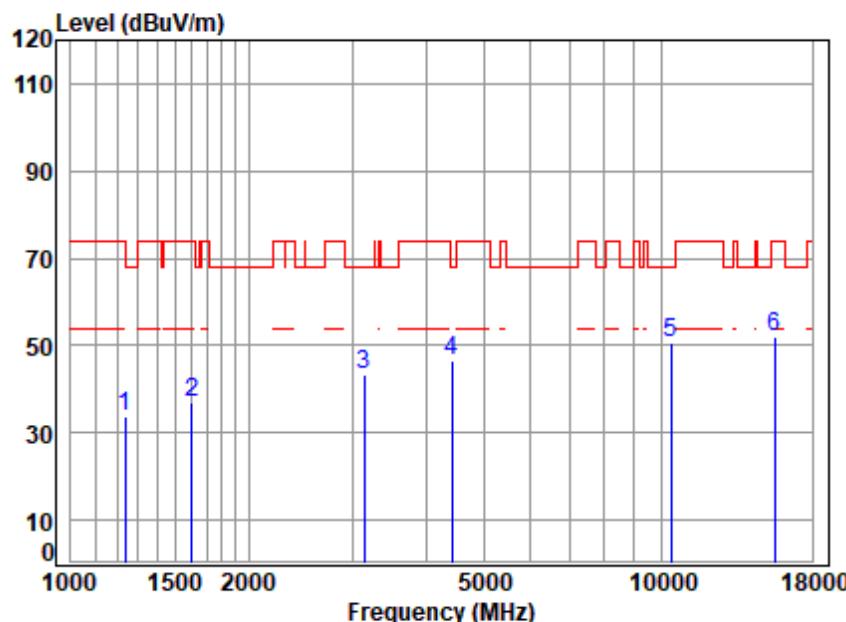
Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5190 TX RSE
Note : 5G WIFI 11AC40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark	
					dB	dB/m	dB	dBuV	dBuV/m
MHz									
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	10380.000	10.57	37.75	37.30	40.25	51.27	68.20	-16.93	peak
6	15570.000	13.98	40.74	40.40	37.88	52.20	74.00	-21.80	peak

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



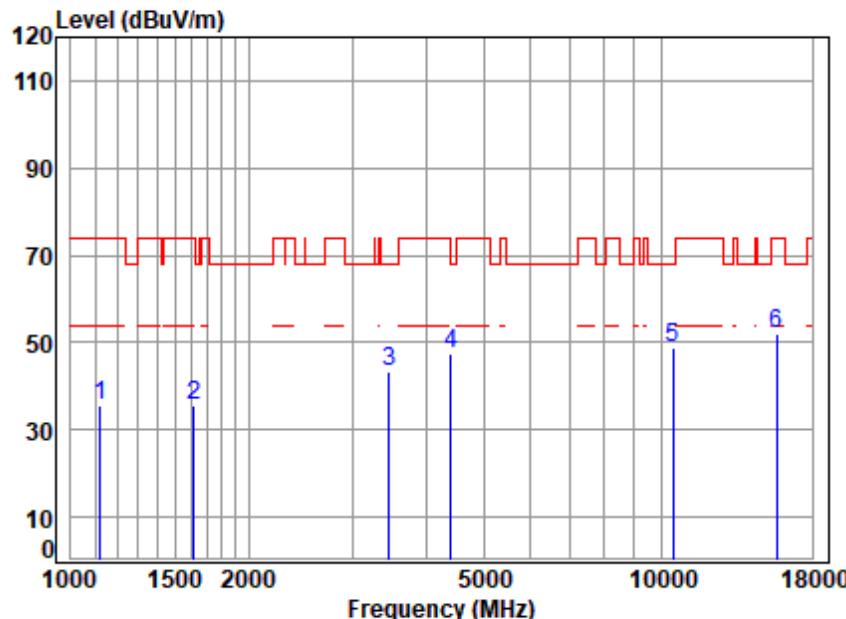
Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5190 TX RSE
Note : 5G WIFI 11AC40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark	
								MHz	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 10380.000	10.57	37.75	37.30	39.85	50.87	68.20	-17.33	peak	
6 15570.000	13.98	40.74	40.40	37.90	52.22	74.00	-21.78	peak	

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
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
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	3465.510	5.48	31.65	41.05	47.18	43.26	68.20	-24.94	peak
4	4405.090	6.67	33.44	41.79	49.20	47.52	68.20	-20.68	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	37.79	52.19	74.00	-21.81	peak

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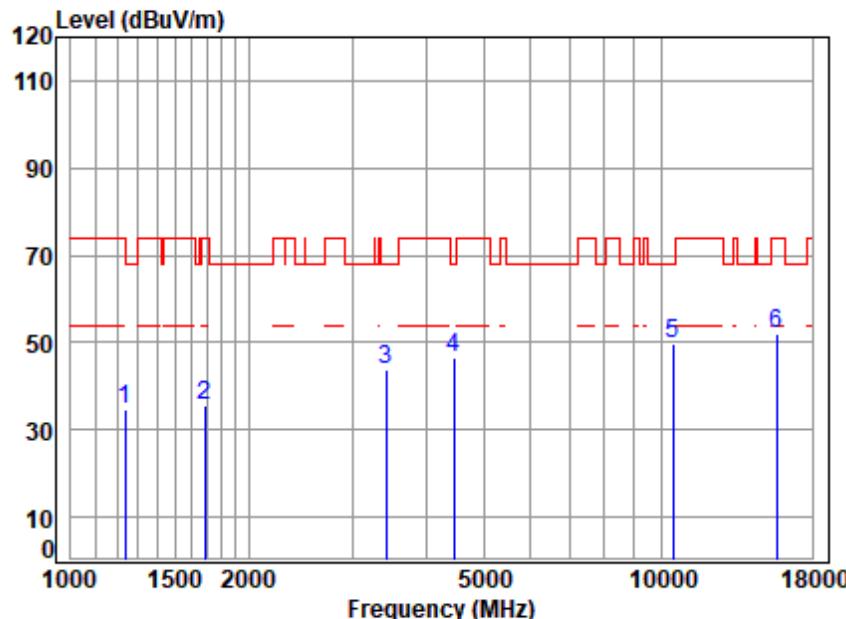
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



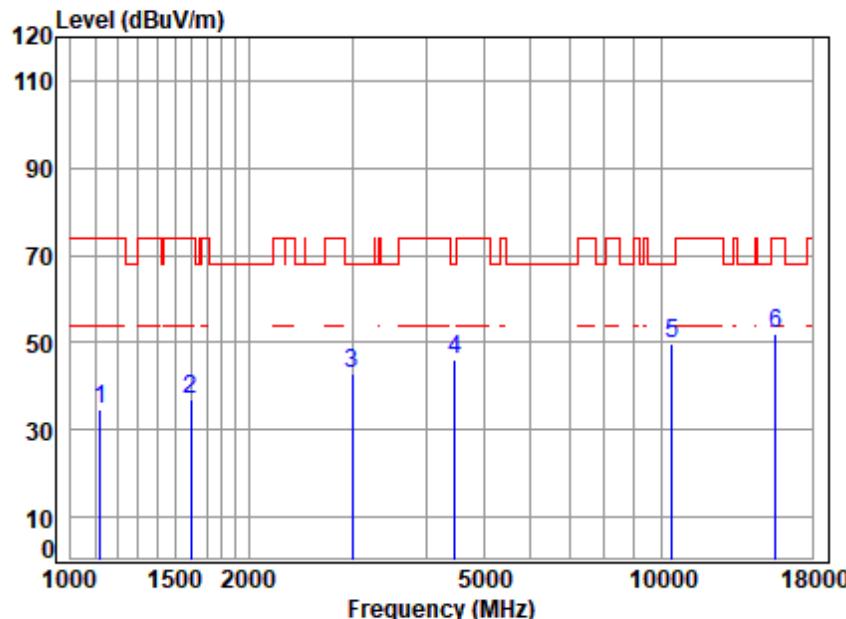
Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5230 TX RSE
Note : 5G WIFI 11AC40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark	
								dB	
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 3415.787	5.42	31.57	41.02	47.89	43.86	68.20	-24.34	peak	
4 4456.315	6.72	33.53	41.84	48.08	46.49	68.20	-21.71	peak	
5 10460.000	10.54	37.72	37.35	38.96	49.87	68.20	-18.33	peak	
6 15690.000	14.03	40.82	40.45	37.68	52.08	74.00	-21.92	peak	

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



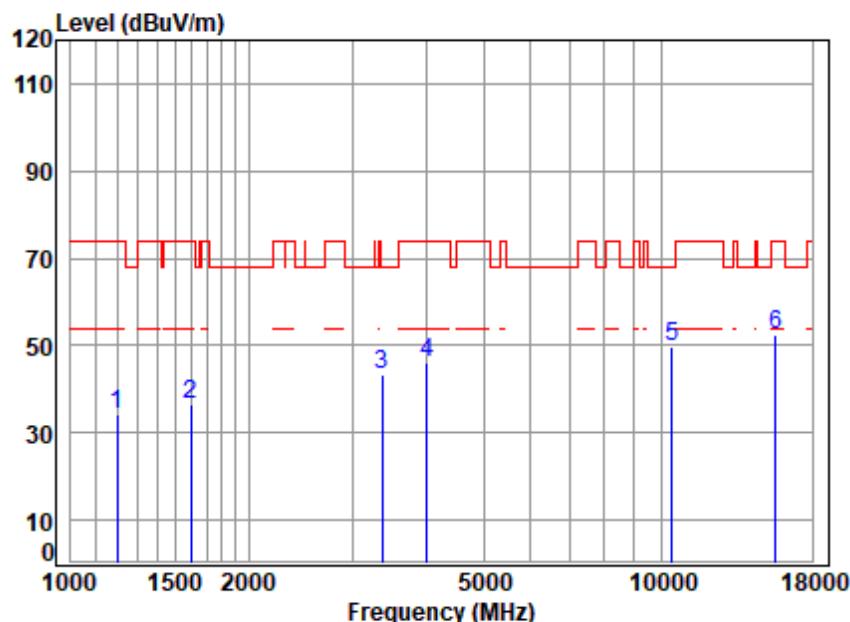
Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5210 TX RSE
Note : 5G WIFI 11AC80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark
					dB	dBuV	dBuV/m	dBuV/m
MHz	dB	dB/m	dB	dBuV	dBuV/m	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 2999.187	4.86	30.90	40.70	47.92	42.98	68.20	-25.22	peak
4 4469.214	6.73	33.55	41.85	47.63	46.06	68.20	-22.14	peak
5 10420.000	10.56	37.73	37.33	38.89	49.85	68.20	-18.35	peak
6 15630.000	14.01	40.78	40.42	37.84	52.21	74.00	-21.79	peak

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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5210 TX RSE
Note : 5G WIFI 11AC80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark	
					dB	dB/m	dB	dBuV	dBuV/m
MHz									
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	3366.778	5.35	31.50	40.98	47.41	43.28	68.20	-24.92	peak
4	4004.339	6.28	32.71	41.40	48.50	46.09	74.00	-27.91	peak
5	10420.000	10.56	37.73	37.33	38.82	49.78	68.20	-18.42	peak
6	15630.000	14.01	40.78	40.42	38.16	52.53	74.00	-21.47	peak

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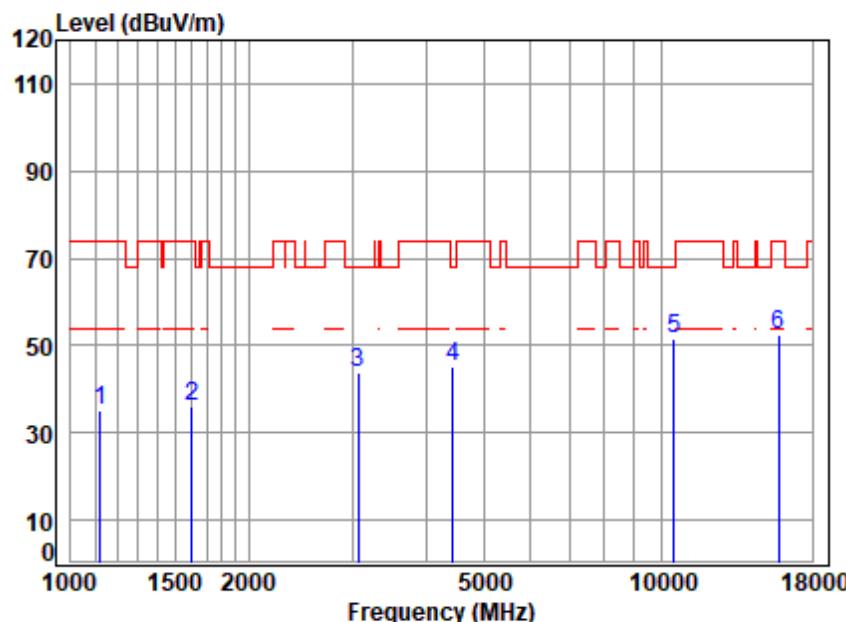
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5260 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark	
								MHz	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	10520.000	10.55	37.70	37.38	40.81	51.68	68.20	-16.52	peak
6	15780.000	14.07	40.87	40.50	38.00	52.44	74.00	-21.56	peak

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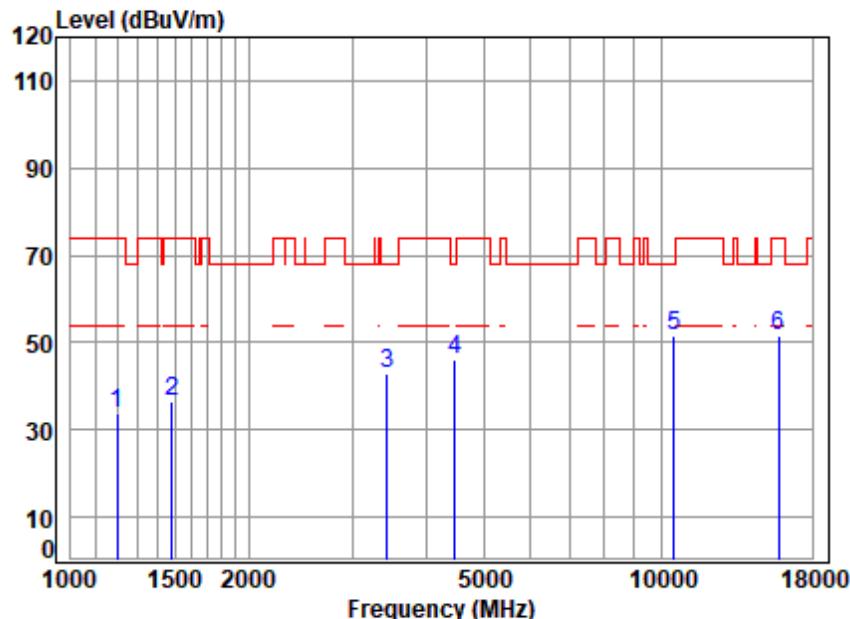
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Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5260 TX RSE
Note : 5G WIFI 11A

Freq	Cable		Ant	Preamp	Read	Limit	Over	Over	Remark
	MHz	Loss	Factor	Factor	Level				
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	10520.000	10.55	37.70	37.38	40.66	51.53	68.20	-16.67	peak
6	15780.000	14.07	40.87	40.50	37.17	51.61	74.00	-22.39	peak

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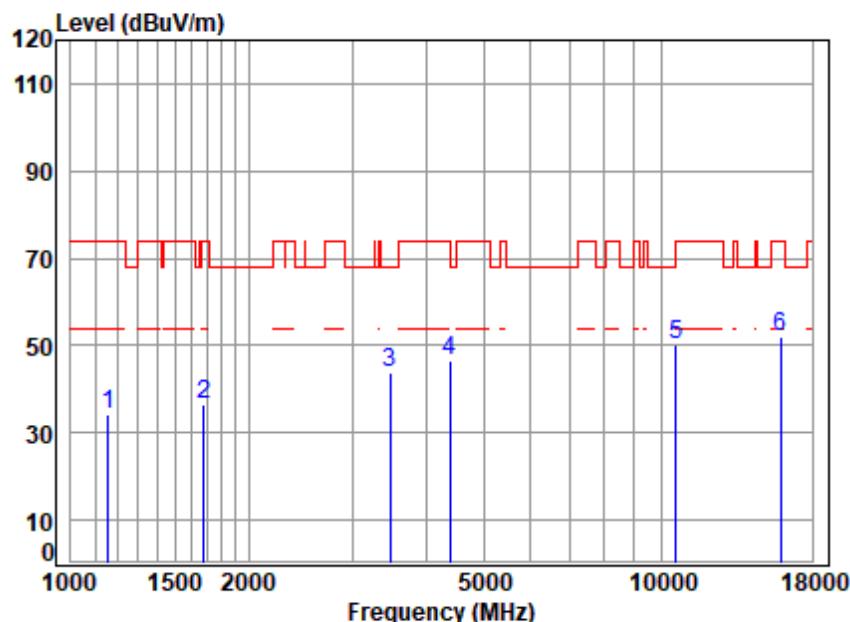
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5300 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark
					dB	dBuV	dBuV/m	dBuV/m
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 10600.000	10.62	37.72	37.42	39.17	50.09	68.20	-18.11	peak
6 15900.000	14.12	40.94	40.55	37.51	52.02	74.00	-21.98	peak

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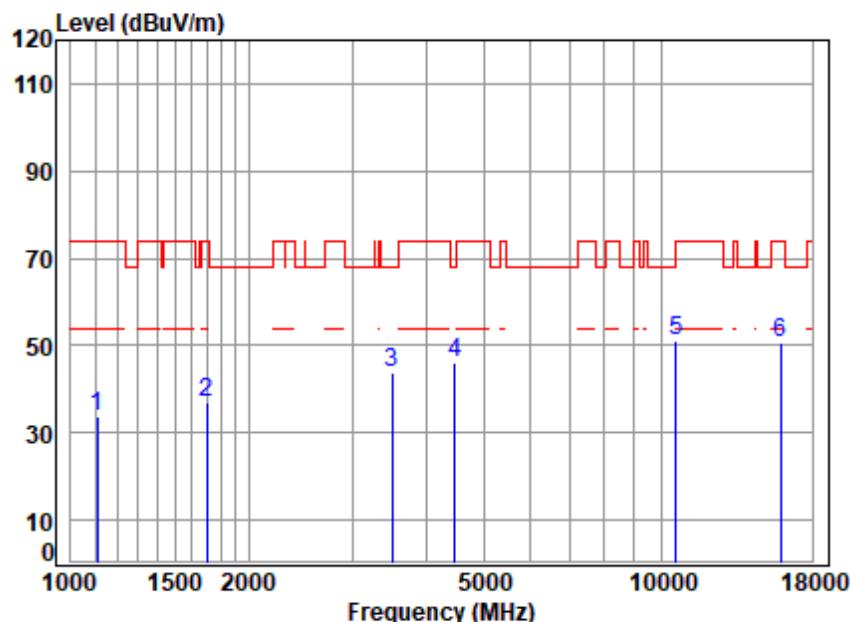
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Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



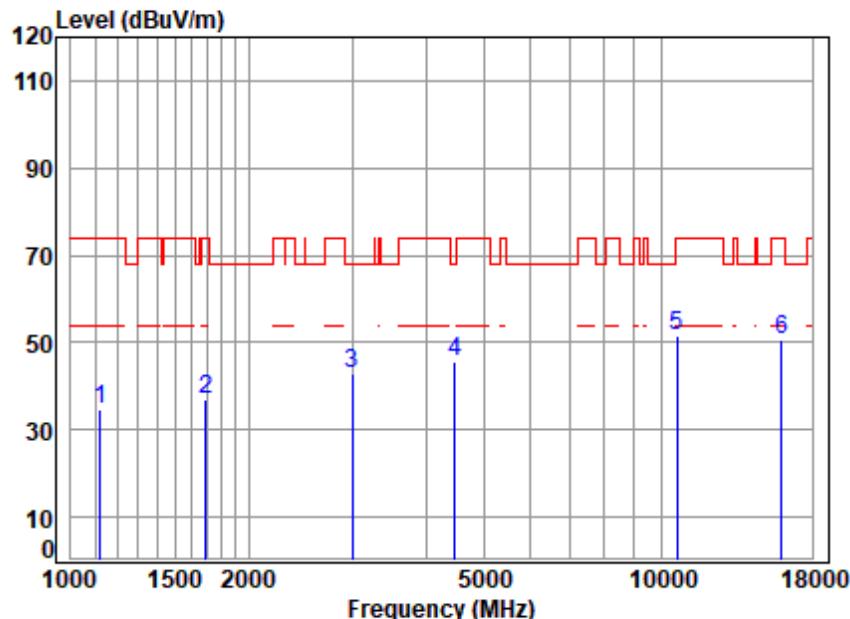
Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5300 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line	Over Limit	Remark
					dB	dBuV			
MHz	dB	dB/m	dB	dBuV	dBuV/m	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 10600.000	10.62	37.72	37.42	40.03	50.95	68.20	-17.25	peak	
6 15900.000	14.12	40.94	40.55	35.97	50.48	74.00	-23.52	peak	

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5320 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	
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	10640.000	10.66	37.73	37.44	40.44	51.39	74.00	-22.61	peak
6	15960.000	14.14	40.98	40.58	36.08	50.62	74.00	-23.38	peak

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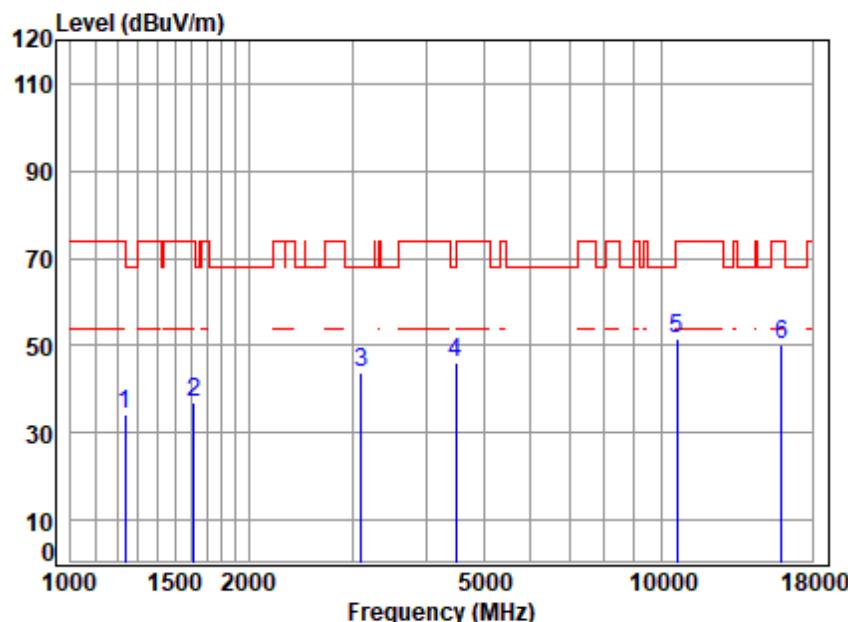
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Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5320 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark	
					dB	dB/m	dB	dBuV	dBuV/m
MHz									
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	10640.000	10.66	37.73	37.44	40.41	51.36	74.00	-22.64	peak
6	15960.000	14.14	40.98	40.58	35.75	50.29	74.00	-23.71	peak

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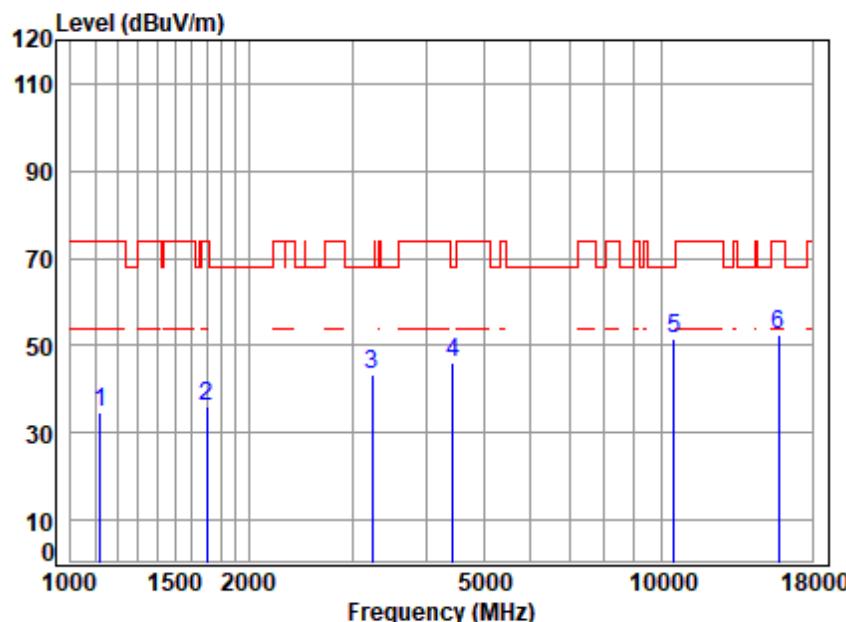


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Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



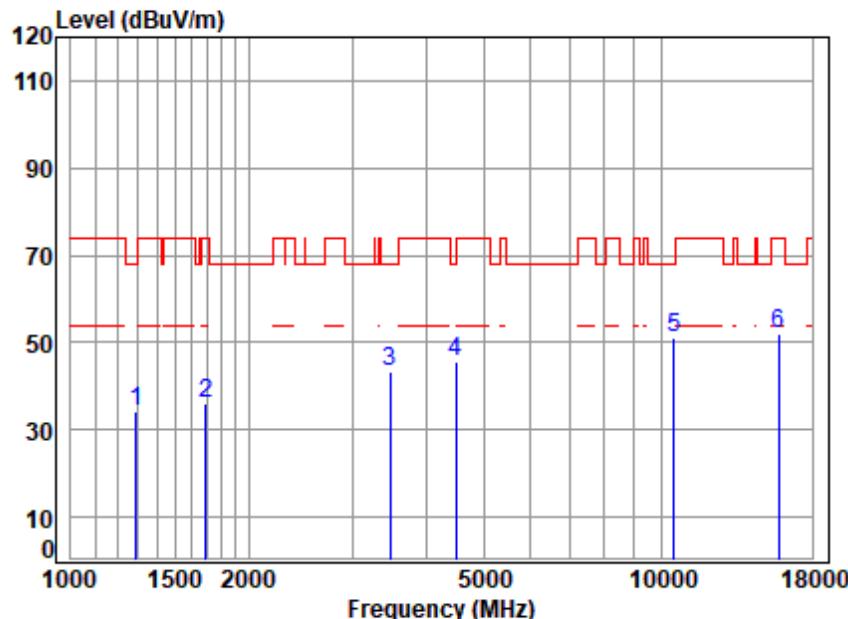
Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5260 TX RSE
Note : 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark	
								MHz	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	10520.000	10.55	37.70	37.38	40.66	51.53	68.20	-16.67	peak
6	15780.000	14.07	40.87	40.50	37.80	52.24	74.00	-21.76	peak

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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5260 TX RSE
Note : 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark	
					dB	dB/m	dB	dBuV	dBuV/m
MHz									
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	10520.000	10.55	37.70	37.38	40.42	51.29	68.20	-16.91	peak
6	15780.000	14.07	40.87	40.50	37.67	52.11	74.00	-21.89	peak

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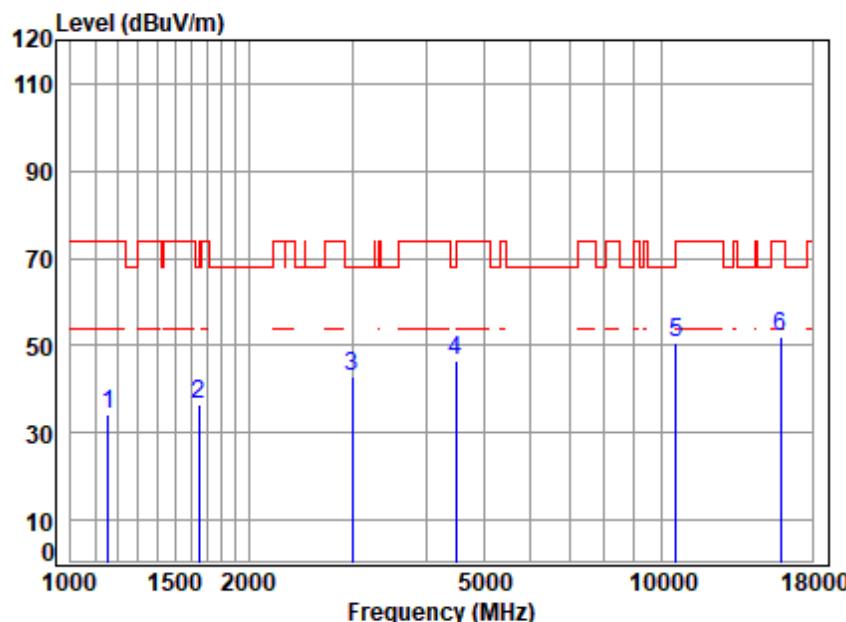
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



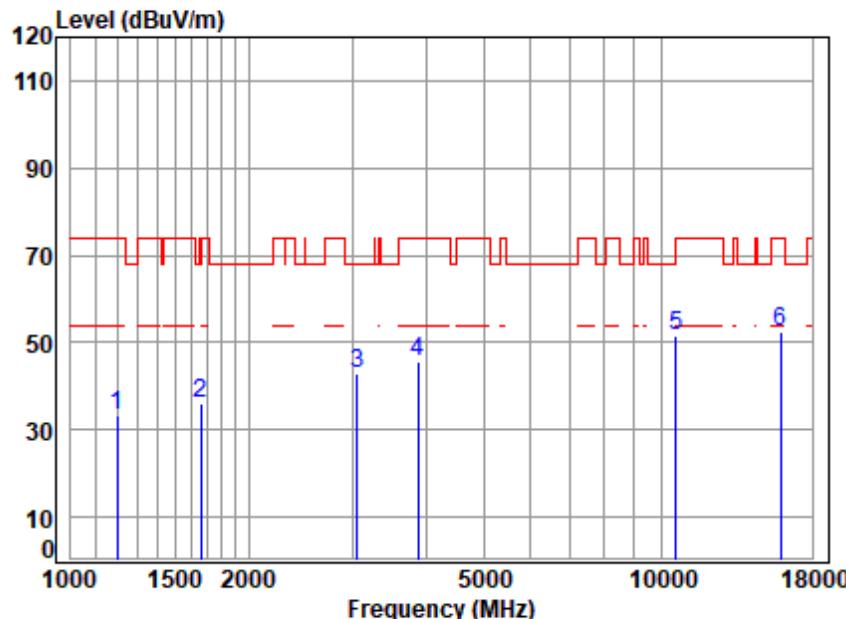
Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5300 TX RSE
Note : 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark	
								MHz	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 10600.000	10.62	37.72	37.42	39.52	50.44	68.20	-17.76	peak	
6 15900.000	14.12	40.94	40.55	37.43	51.94	74.00	-22.06	peak	

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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5300 TX RSE
Note : 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line Limit	Over Remark
					dB	dBuV	dBuV/m	dBuV/m
MHz	dB	dB/m	dB	dBuV	dBuV/m	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 10600.000	10.62	37.72	37.42	40.54	51.46	68.20	-16.74	peak
6 15900.000	14.12	40.94	40.55	38.12	52.63	74.00	-21.37	peak

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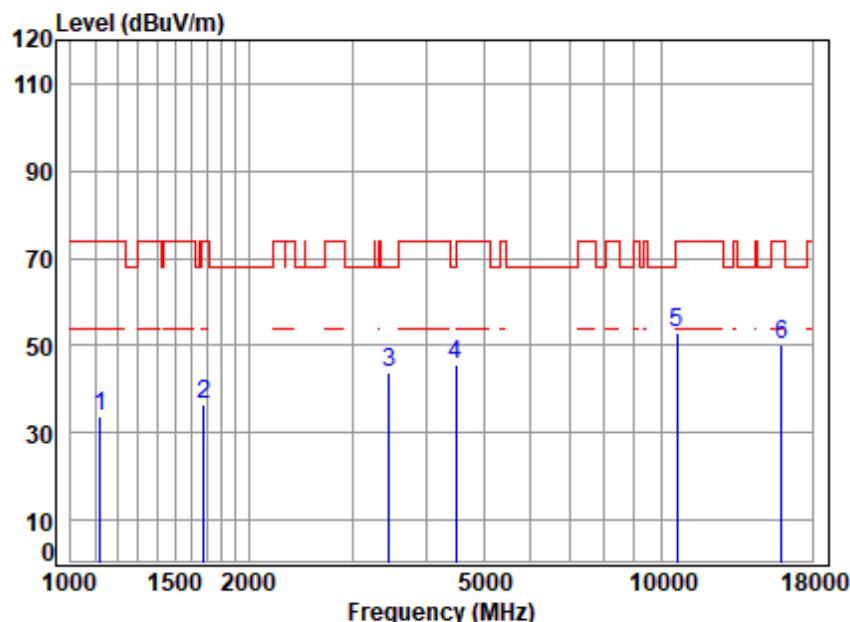


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Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



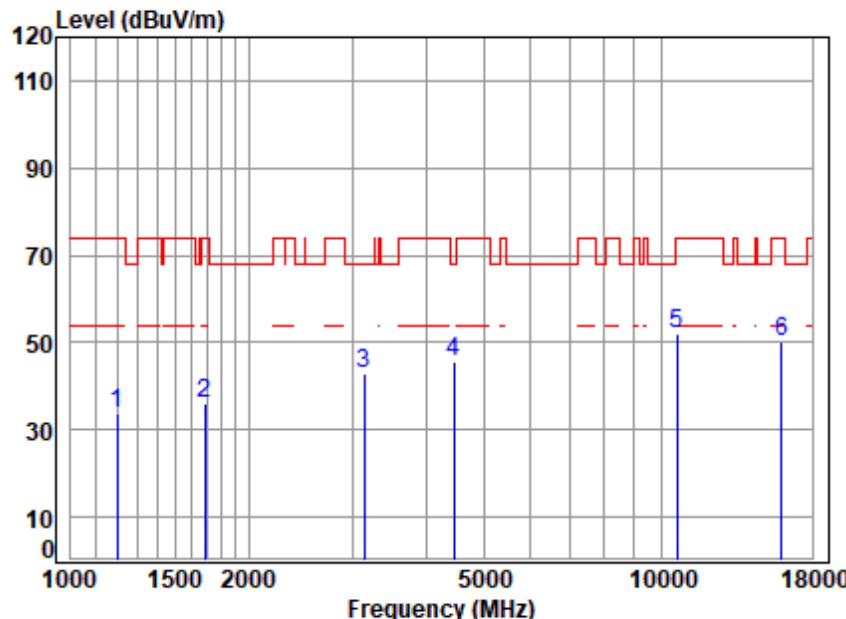
Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5320 TX RSE
Note : 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line	Over Limit	Remark
					dB	dBuV			
MHz	dB	dB/m	dB	dBuV	dBuV/m	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 10640.000	10.66	37.73	37.44	41.76	52.71	74.00	-21.29	peak	
6 15960.000	14.14	40.98	40.58	35.80	50.34	74.00	-23.66	peak	

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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5320 TX RSE
Note : 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark	
					dB	dB/m	dB	dBuV	dBuV/m
MHz	dB	dB/m	dB	dBuV	dBuV/m	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 10640.000	10.66	37.73	37.44	41.02	51.97	74.00	-22.03	peak	
6 15960.000	14.14	40.98	40.58	35.59	50.13	74.00	-23.87	peak	

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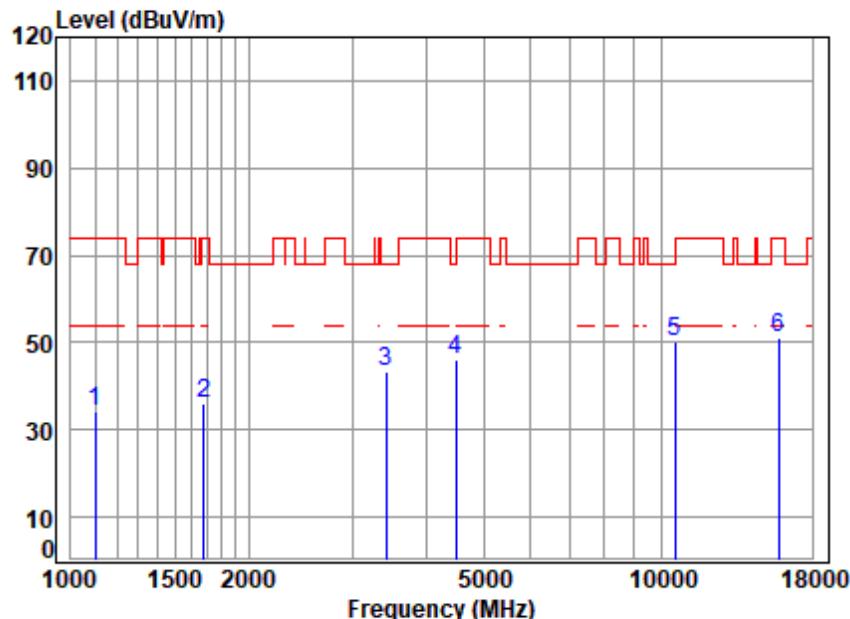
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5270 TX RSE
Note : 5G WIFI 11N40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark
					dB	dBuV	dBuV/m	dBuV/m
MHz	dB	dB/m	dB	dBuV	dBuV/m	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 10540.000	10.57	37.71	37.39	39.52	50.41	68.20	-17.79	peak
6 15810.000	14.08	40.89	40.51	36.85	51.31	74.00	-22.69	peak

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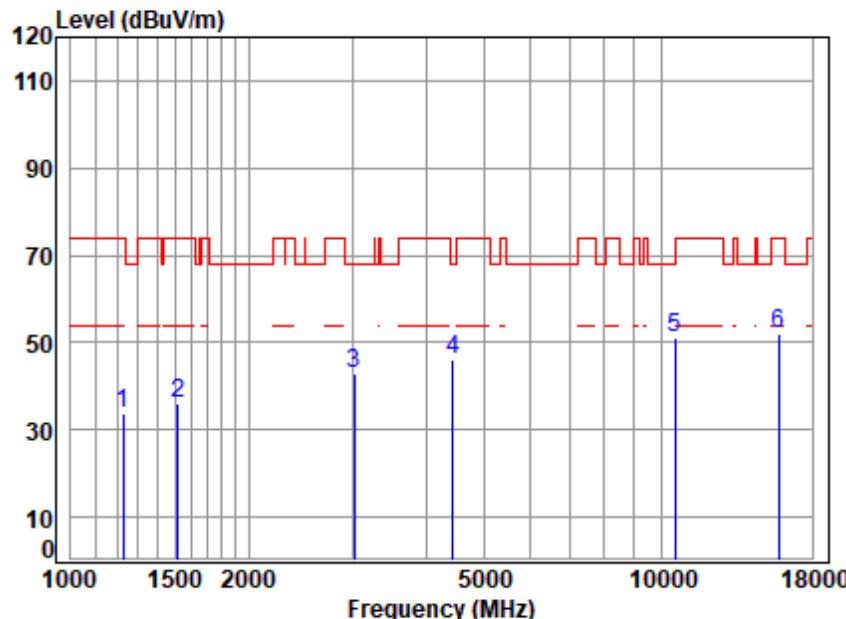
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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



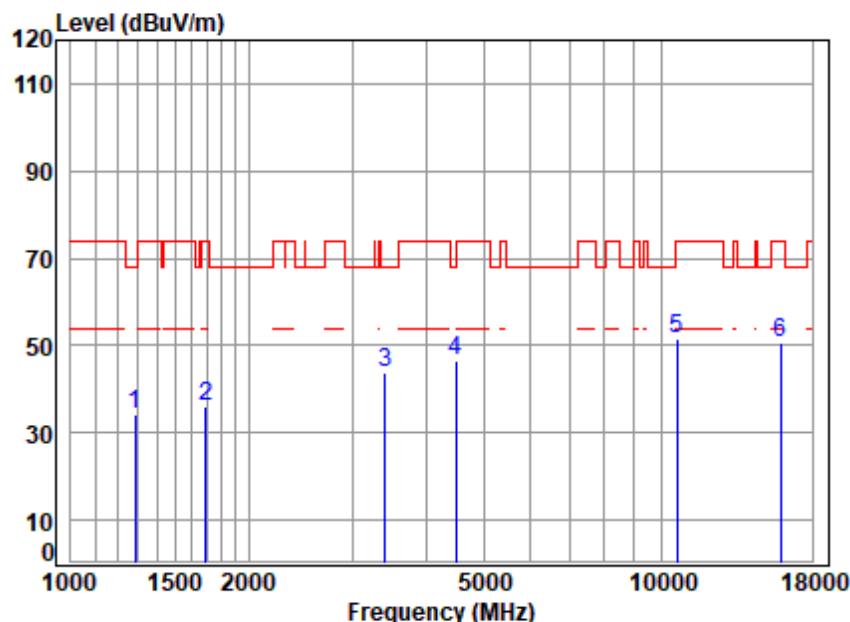
Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5270 TX RSE
Note : 5G WIFI 11N40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark	
								dB	
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 10540.000	10.57	37.71	37.39	40.08	50.97	68.20	-17.23	peak	
6 15810.000	14.08	40.89	40.51	37.46	51.92	74.00	-22.08	peak	

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5310 TX RSE
Note : 5G WIFI 11N40

Freq	Cable Loss		Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	
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	10620.000	10.64	37.72	37.43	40.80	51.73	74.00	-22.27	peak
6	15930.000	14.13	40.96	40.57	36.26	50.78	74.00	-23.22	peak

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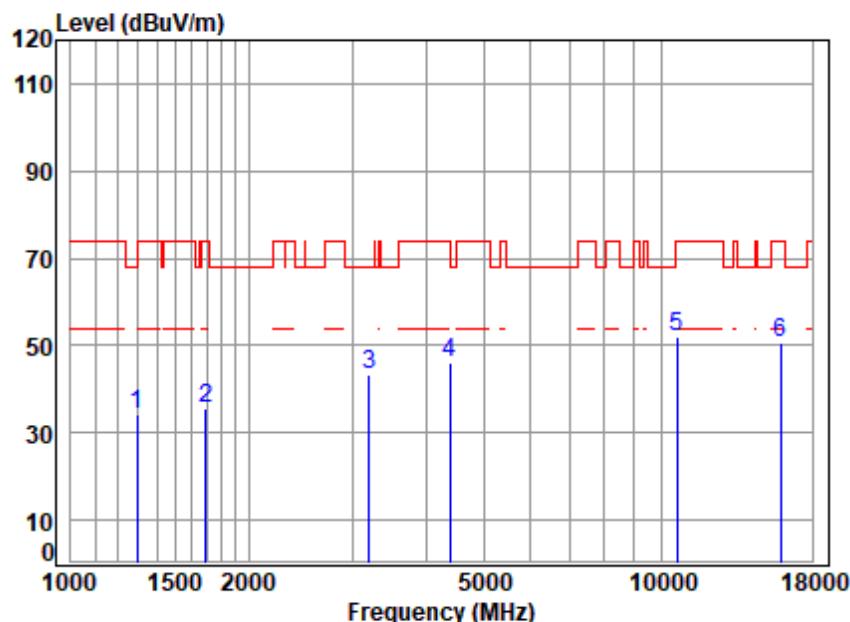
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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5310 TX RSE
Note : 5G WIFI 11N40

Freq	Cable Loss		Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	
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	10620.000	10.64	37.72	37.43	41.01	51.94	74.00	-22.06	peak
6	15930.000	14.13	40.96	40.57	36.16	50.68	74.00	-23.32	peak

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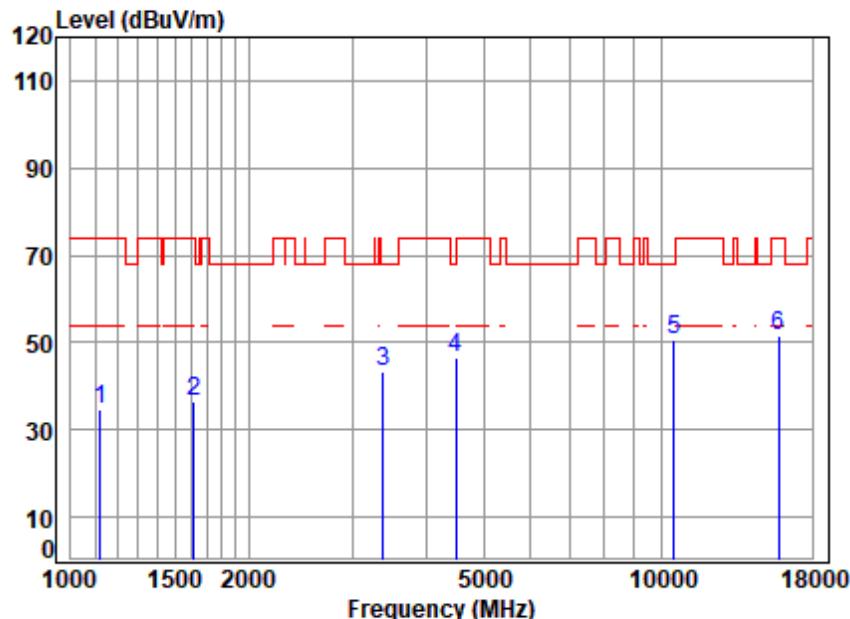
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5260 TX RSE
Note : 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark	
					dB	dB/m	dB	dBuV	dBuV/m
MHz									
1	1122.563	2.62	24.23	39.70	47.58	34.73	74.00	-39.27	peak
2	1615.754	3.36	26.32	40.02	46.87	36.53	74.00	-37.47	peak
3	3386.297	5.38	31.53	40.99	47.46	43.38	68.20	-24.82	peak
4	4482.150	6.74	33.57	41.86	48.10	46.55	68.20	-21.65	peak
5	10520.000	10.55	37.70	37.38	39.57	50.44	68.20	-17.76	peak
6	15780.000	14.07	40.87	40.50	37.22	51.66	74.00	-22.34	peak

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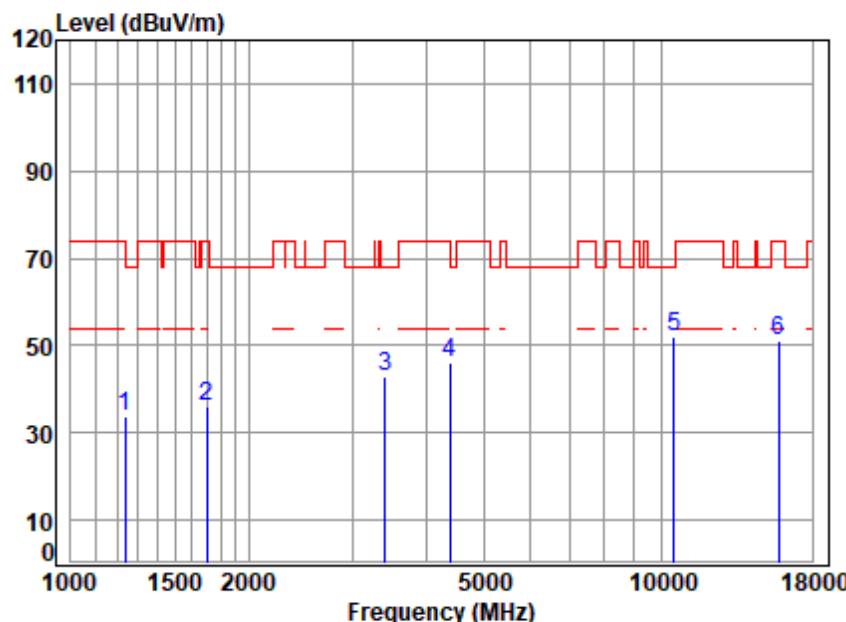
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5260 TX RSE
Note : 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark	
					dB	dB/m	dB	dBuV	dBuV/m
MHz									
1	1234.909	2.83	24.74	39.78	45.94	33.73	74.00	-40.27	peak
2	1702.042	3.43	26.68	40.06	46.05	36.10	74.00	-37.90	peak
3	3405.929	5.40	31.56	41.01	47.16	43.11	68.20	-25.09	peak
4	4379.699	6.65	33.39	41.77	47.69	45.96	74.00	-28.04	peak
5	10520.000	10.55	37.70	37.38	41.15	52.02	68.20	-16.18	peak
6	15780.000	14.07	40.87	40.50	36.49	50.93	74.00	-23.07	peak

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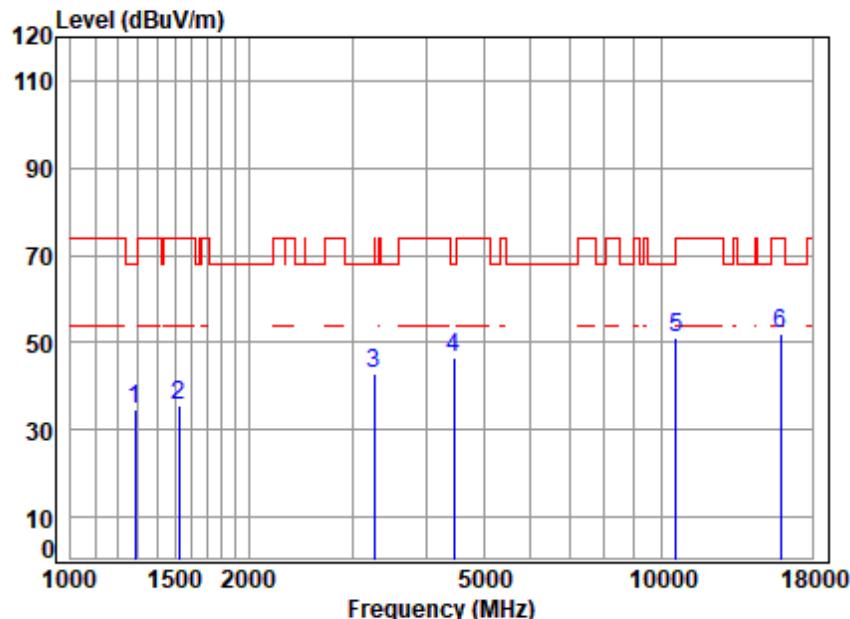


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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5300 TX RSE
Note : 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line	Over Limit	Remark
					dB	dBuV			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dBuV/m	dB	
1 1285.904	2.92	24.96	39.82	46.71	34.77	68.20	-33.43	peak	
2 1525.000	3.28	25.91	39.97	46.57	35.79	74.00	-38.21	peak	
3 3261.418	5.22	31.33	40.90	47.30	42.95	74.00	-31.05	peak	
4 4456.315	6.72	33.53	41.84	48.06	46.47	68.20	-21.73	peak	
5 10600.000	10.62	37.72	37.42	40.24	51.16	68.20	-17.04	peak	
6 15900.000	14.12	40.94	40.55	37.39	51.90	74.00	-22.10	peak	

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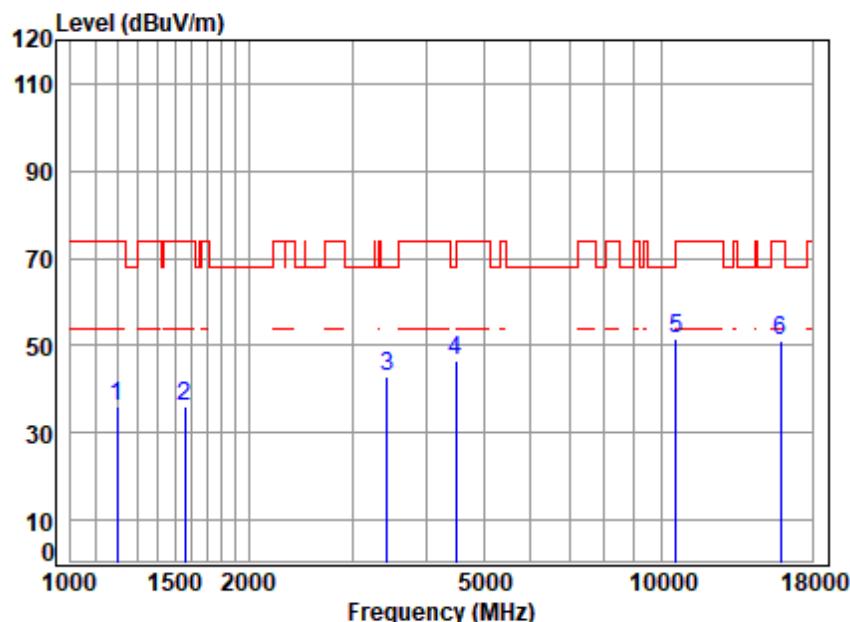


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Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5300 TX RSE
Note : 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark	
								dB	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 1199.726	2.76	24.59	39.76	48.43	36.02	74.00	-37.98	peak	
2 1560.673	3.31	26.08	39.99	46.79	36.19	74.00	-37.81	peak	
3 3435.590	5.44	31.60	41.03	47.02	43.03	68.20	-25.17	peak	
4 4482.150	6.74	33.57	41.86	48.05	46.50	68.20	-21.70	peak	
5 10600.000	10.62	37.72	37.42	40.46	51.38	68.20	-16.82	peak	
6 15900.000	14.12	40.94	40.55	36.82	51.33	74.00	-22.67	peak	

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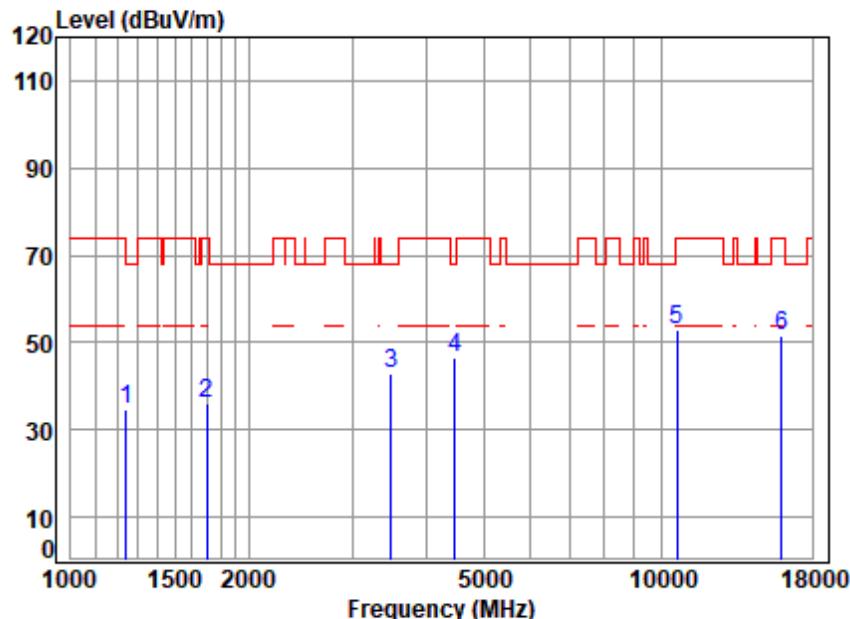
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5320 TX RSE
Note : 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark	
					dB	dB/m	dB	dBuV	dBuV/m
MHz									
1	1242.068	2.84	24.78	39.79	46.75	34.58	68.20	-33.62	peak
2	1697.129	3.43	26.66	40.06	45.83	35.86	74.00	-38.14	peak
3	3485.601	5.50	31.68	41.07	46.95	43.06	68.20	-25.14	peak
4	4469.214	6.73	33.55	41.85	48.08	46.51	68.20	-21.69	peak
5	10640.000	10.66	37.73	37.44	41.77	52.72	74.00	-21.28	peak
6	15960.000	14.14	40.98	40.58	37.15	51.69	74.00	-22.31	peak

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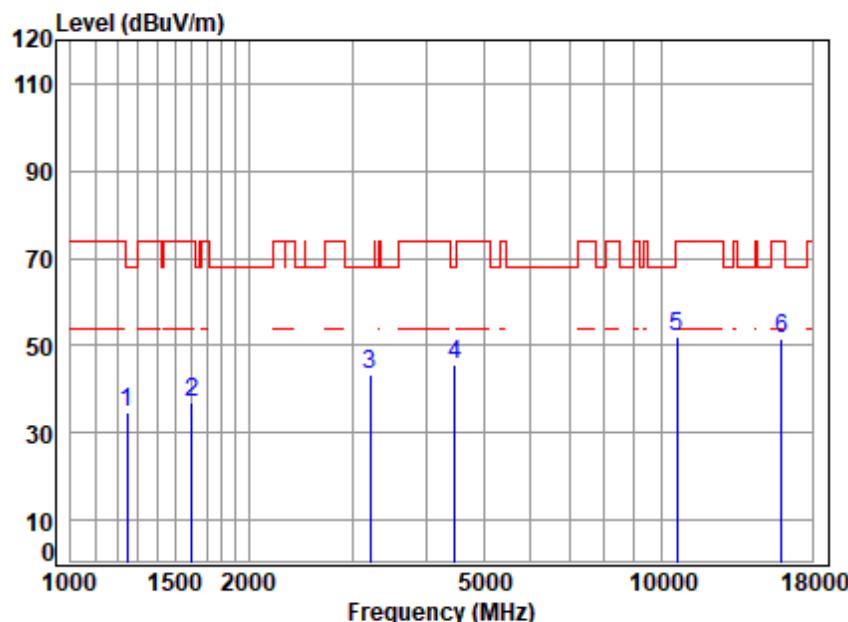
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5320 TX RSE
Note : 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark	
				Level				
MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1 1245.663	2.85	24.79	39.79	46.79	34.64	68.20	-33.56	peak
2 1601.804	3.35	26.26	40.01	47.39	36.99	74.00	-37.01	peak
3 3214.623	5.16	31.26	40.87	47.80	43.35	68.20	-24.85	peak
4 4469.214	6.73	33.55	41.85	47.30	45.73	68.20	-22.47	peak
5 10640.000	10.66	37.73	37.44	40.90	51.85	74.00	-22.15	peak
6 15960.000	14.14	40.98	40.58	36.94	51.48	74.00	-22.52	peak

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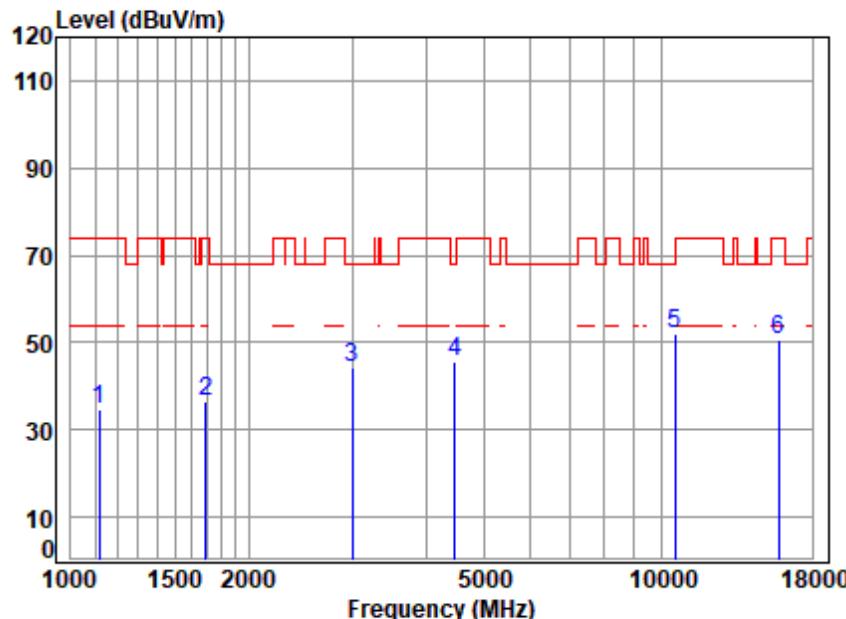


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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5270 TX RSE
Note : 5G WIFI 11AC40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line	Over Limit	Remark
					dB	dB/m	dB	dBuV/m	dBuV/m
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dBuV/m	dB	dB
1 1119.323	2.61	24.21	39.70	47.71	34.83	74.00	-39.17	peak	
2 1692.231	3.42	26.64	40.06	46.47	36.47	74.00	-37.53	peak	
3 2999.187	4.86	30.90	40.70	49.18	44.24	68.20	-23.96	peak	
4 4469.214	6.73	33.55	41.85	47.18	45.61	68.20	-22.59	peak	
5 10540.000	10.57	37.71	37.39	41.27	52.16	68.20	-16.04	peak	
6 15810.000	14.08	40.89	40.51	36.37	50.83	74.00	-23.17	peak	

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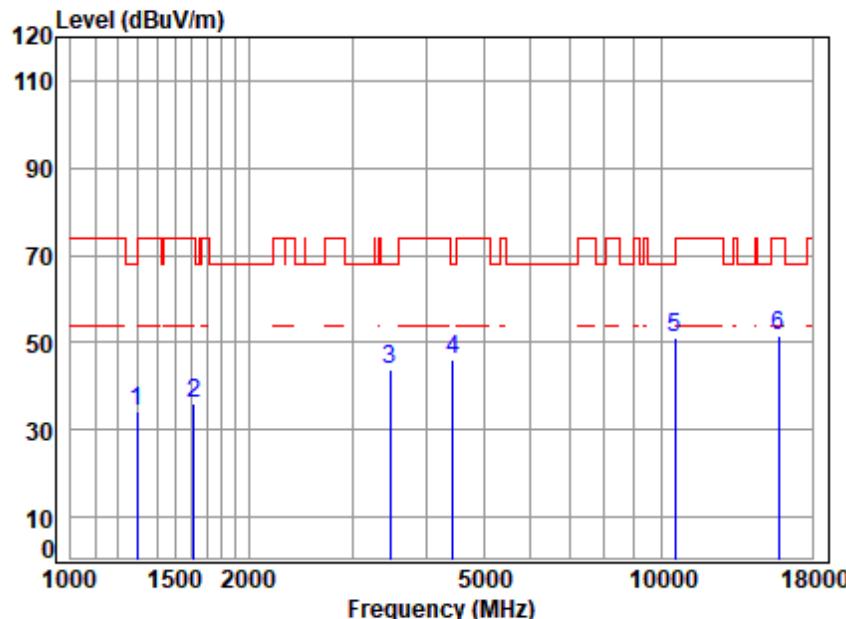
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



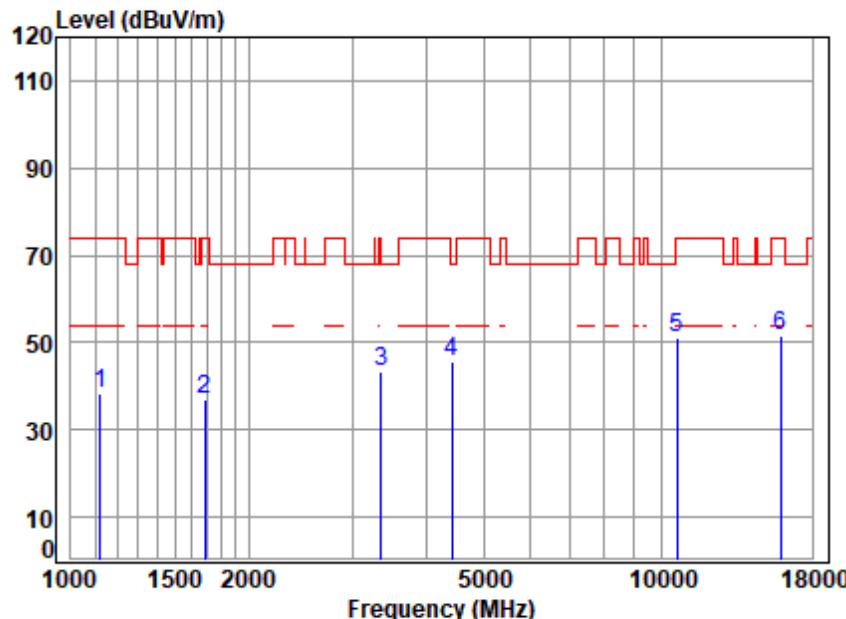
Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5270 TX RSE
Note : 5G WIFI 11AC40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line	Over Limit	Remark
					dB	dB/m	dB	dBuV/m	dBuV/m
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dBuV/m	dB	
1 1297.103	2.94	25.01	39.83	46.32	34.44	68.20	-33.76	peak	
2 1615.754	3.36	26.32	40.02	46.51	36.17	74.00	-37.83	peak	
3 3475.541	5.49	31.66	41.06	47.53	43.62	68.20	-24.58	peak	
4 4430.628	6.70	33.48	41.81	47.67	46.04	68.20	-22.16	peak	
5 10540.000	10.57	37.71	37.39	40.12	51.01	68.20	-17.19	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: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5310 TX RSE
Note : 5G WIFI 11AC40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark	
					dB	dB/m	dB	dBuV	dBuV/m
MHz									
1	1122.563	2.62	24.23	39.70	50.95	38.10	74.00	-35.90	peak
2	1687.347	3.42	26.62	40.05	46.78	36.77	74.00	-37.23	peak
3	3357.061	5.34	31.48	40.97	47.51	43.36	74.00	-30.64	peak
4	4417.841	6.68	33.46	41.80	47.12	45.46	68.20	-22.74	peak
5	10620.000	10.64	37.72	37.43	40.14	51.07	74.00	-22.93	peak
6	15930.000	14.13	40.96	40.57	37.23	51.75	74.00	-22.25	peak

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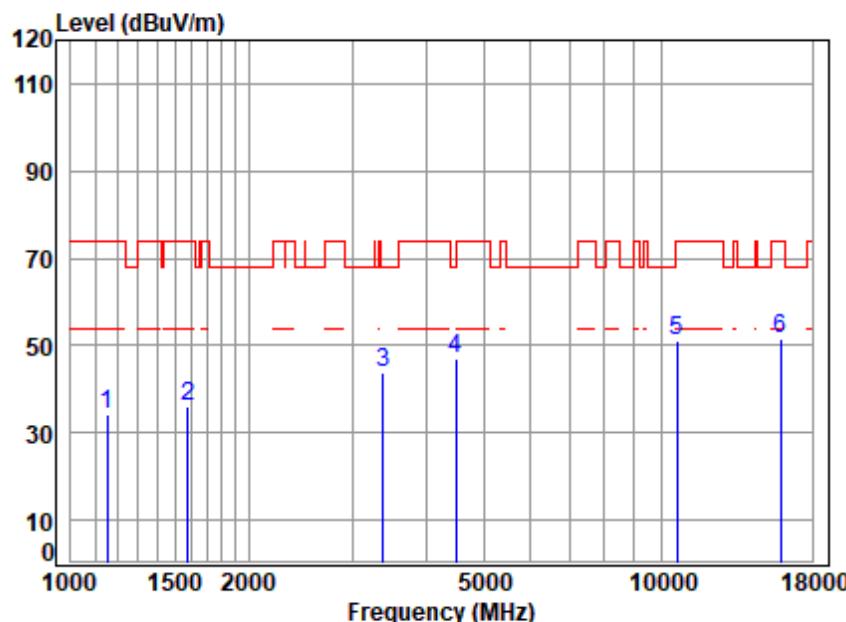


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Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



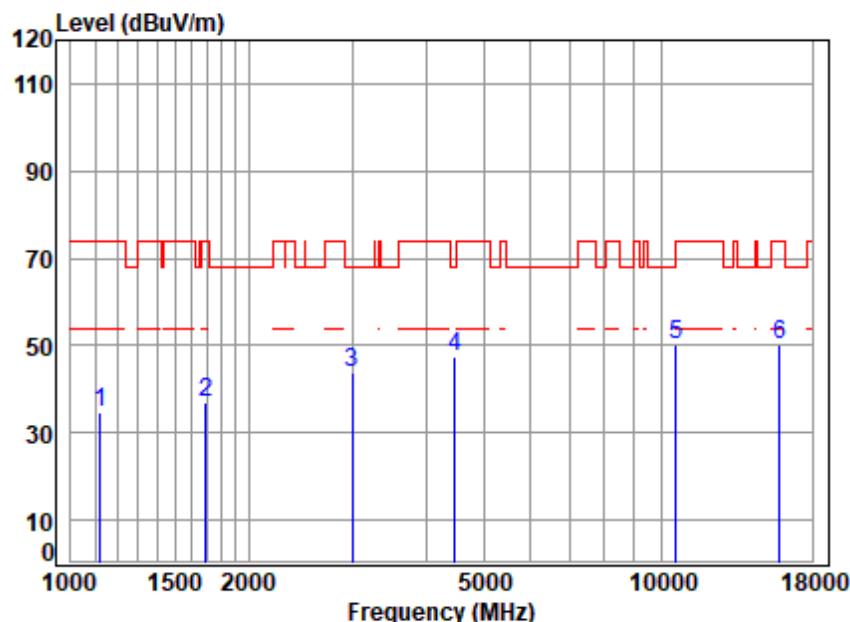
Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5310 TX RSE
Note : 5G WIFI 11AC40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark	
								MHz	dB
1	1152.148	2.67	24.37	39.72	46.93	34.25	74.00	-39.75	peak
2	1578.822	3.33	26.16	40.00	46.69	36.18	74.00	-37.82	peak
3	3376.523	5.37	31.51	40.99	47.77	43.66	68.20	-24.54	peak
4	4482.150	6.74	33.57	41.86	48.52	46.97	68.20	-21.23	peak
5	10620.000	10.64	37.72	37.43	40.13	51.06	74.00	-22.94	peak
6	15930.000	14.13	40.96	40.57	37.01	51.53	74.00	-22.47	peak

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



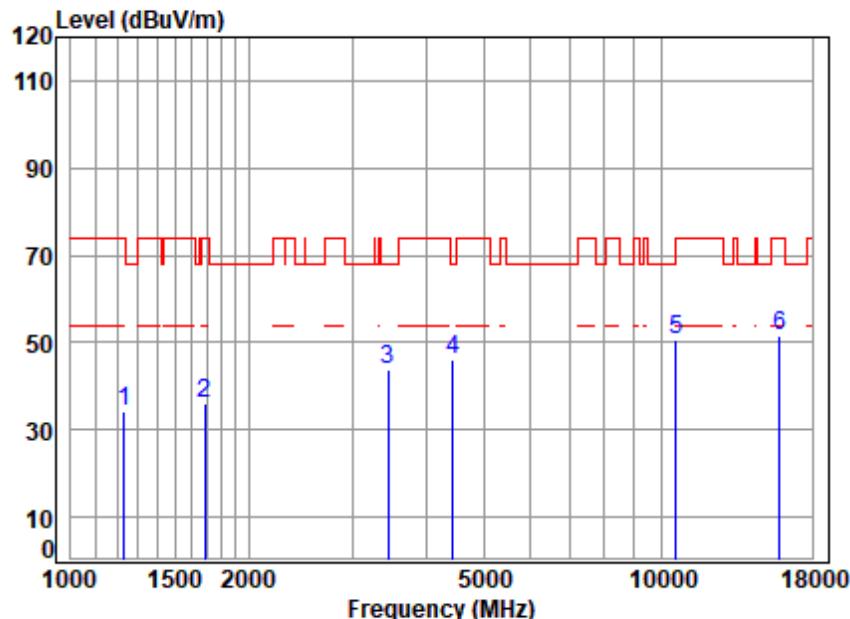
Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5290 TX RSE
Note : 5G WIFI 11AC80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	dBuV			
MHz	dB	dB/m		dB	dBuV/m	dBuV/m	dB	
1 1122.563	2.62	24.23	39.70	47.39	34.54	74.00	-39.46	peak
2 1692.231	3.42	26.64	40.06	46.95	36.95	74.00	-37.05	peak
3 2999.187	4.86	30.90	40.70	48.63	43.69	68.20	-24.51	peak
4 4469.214	6.73	33.55	41.85	48.82	47.25	68.20	-20.95	peak
5 10580.000	10.60	37.72	37.41	39.12	50.03	68.20	-18.17	peak
6 15870.000	14.11	40.92	40.54	35.83	50.32	74.00	-23.68	peak

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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5290 TX RSE
Note : 5G WIFI 11AC80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark	
								dB	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 1231.345	2.82	24.73	39.78	46.64	34.41	74.00	-39.59	peak	
2 1687.347	3.42	26.62	40.05	46.22	36.21	74.00	-37.79	peak	
3 3445.535	5.45	31.62	41.04	47.64	43.67	68.20	-24.53	peak	
4 4430.628	6.70	33.48	41.81	47.86	46.23	68.20	-21.97	peak	
5 10580.000	10.60	37.72	37.41	39.73	50.64	68.20	-17.56	peak	
6 15870.000	14.11	40.92	40.54	36.91	51.40	74.00	-22.60	peak	

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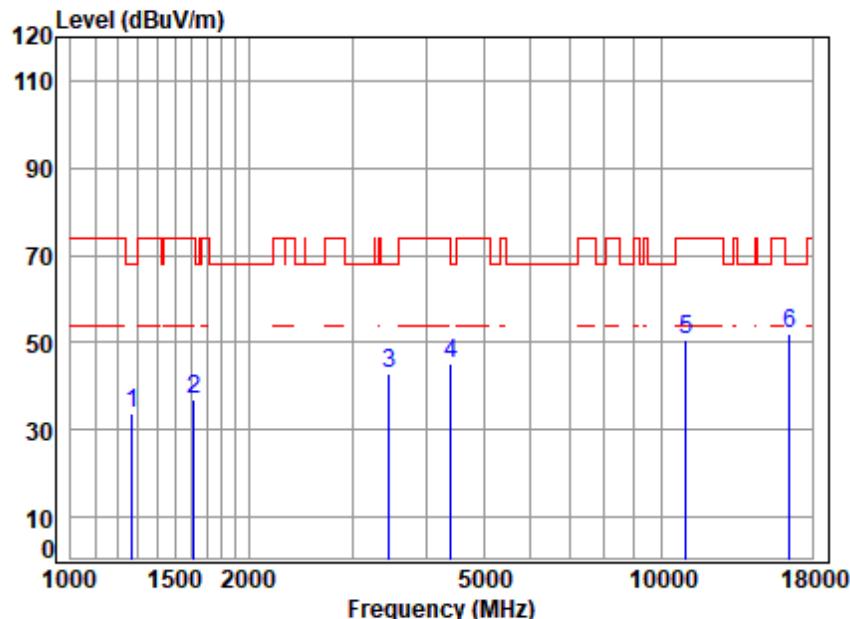
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



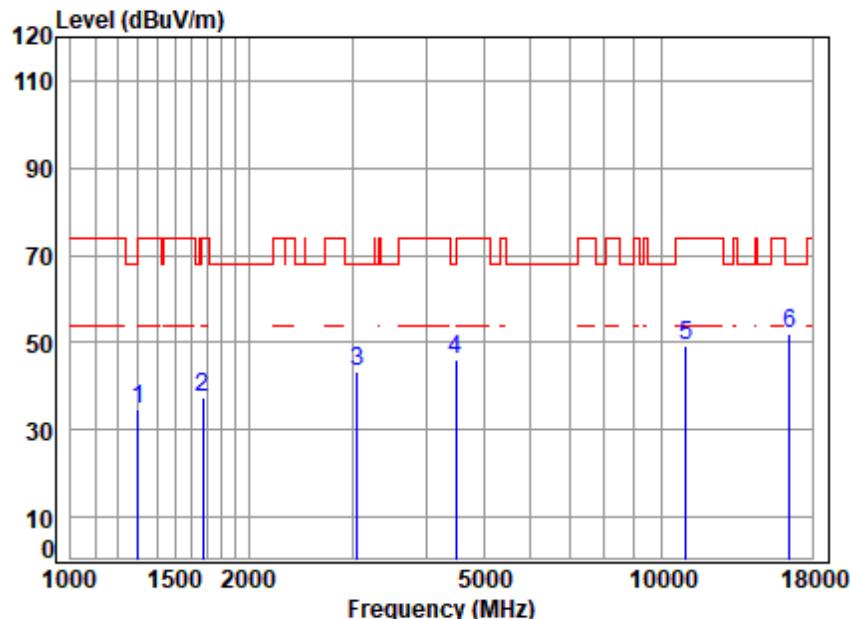
Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5500 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line	Over Limit	Remark
					dB	dBuV	dBuV/m	dBuV/m	
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 11000.000	10.97	37.80	37.62	39.42	50.57	74.00	-23.43	peak	
6 16500.000	14.82	42.20	40.47	35.28	51.83	68.20	-16.37	peak	

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



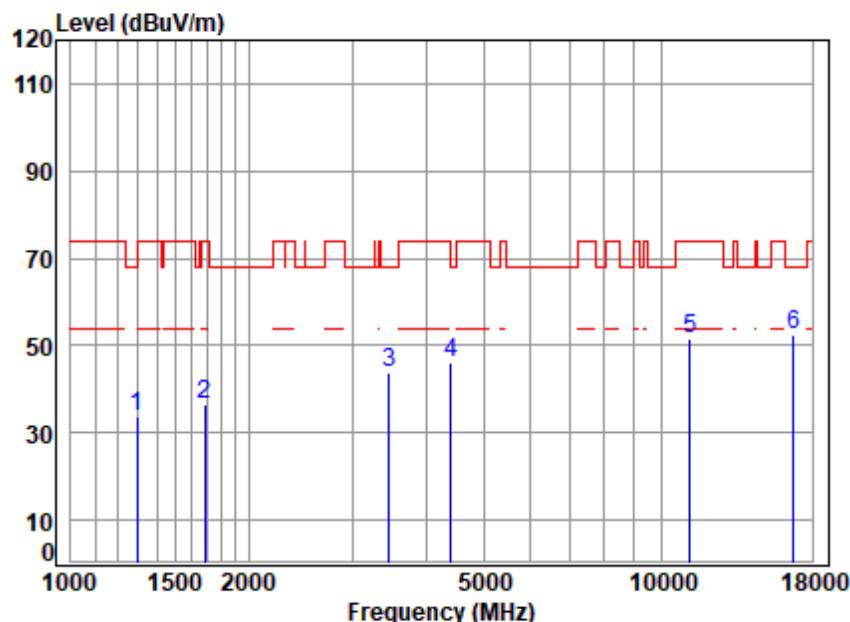
Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5500 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark	
					dB	dB/m	dB	dBuV	dBuV/m
MHz									
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	11000.000	10.97	37.80	37.62	38.07	49.22	74.00	-24.78	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: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5580 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark	
					dB	dB/m	dB	dBuV	dBuV/m
MHz									
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	11160.000	11.18	37.83	37.70	40.18	51.49	74.00	-22.51	peak
6	16740.000	14.51	42.39	40.41	35.81	52.30	68.20	-15.90	peak

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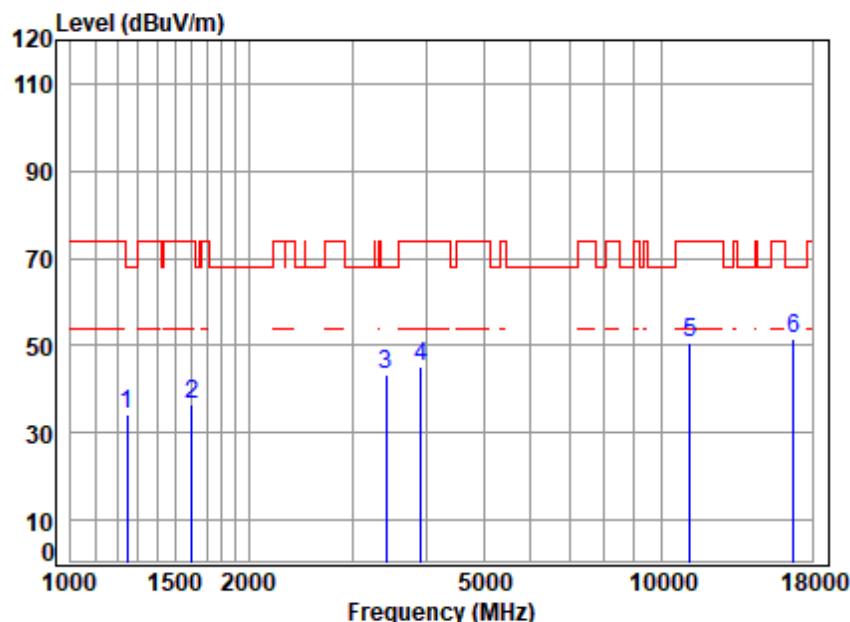
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Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5580 TX RSE
Note : 5G WIFI 11A

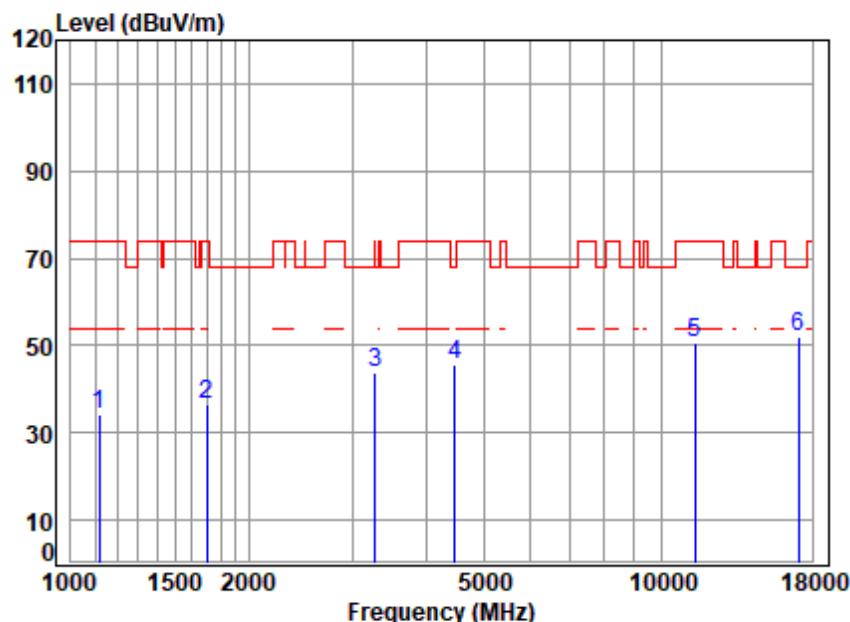
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark	
					dB	dB/m	dB	dBuV	dBuV/m
MHz									
1	1245.663	2.85	24.79	39.79	46.57	34.42	68.20	-33.78	peak
2	1601.804	3.35	26.26	40.01	47.11	36.71	74.00	-37.29	peak
3	3425.675	5.43	31.59	41.02	47.24	43.24	68.20	-24.96	peak
4	3912.809	6.15	32.53	41.35	47.79	45.12	74.00	-28.88	peak
5	11160.000	11.18	37.83	37.70	39.45	50.76	74.00	-23.24	peak
6	16740.000	14.51	42.39	40.41	34.84	51.33	68.20	-16.87	peak



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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5700 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark	
								MHz	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 11400.000	11.50	37.88	37.82	39.22	50.78	74.00	-23.22	peak	
6 17100.000	14.14	42.66	40.32	35.68	52.16	68.20	-16.04	peak	

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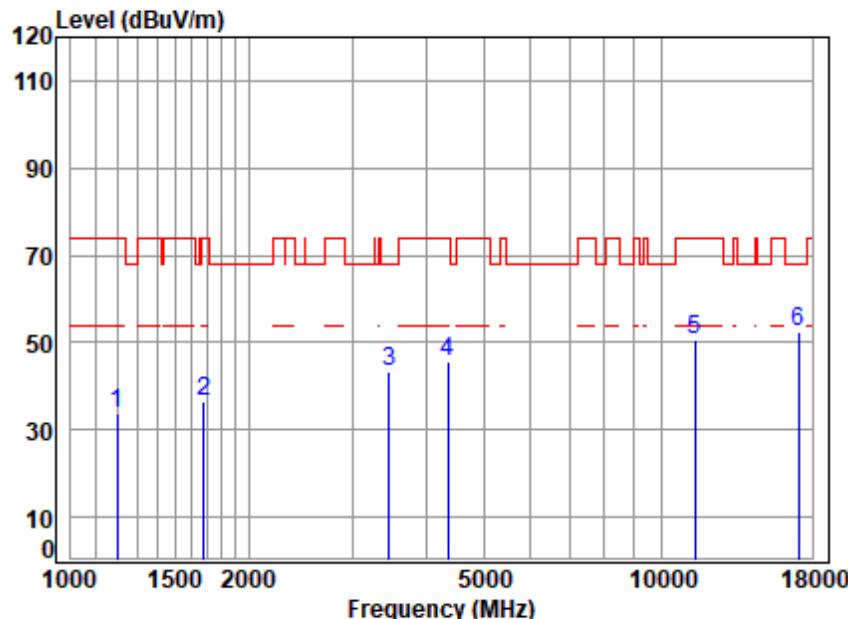
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Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5700 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark	
								dB	
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 11400.000	11.50	37.88	37.82	39.11	50.67	74.00	-23.33	peak	
6 17100.000	14.14	42.66	40.32	35.95	52.43	68.20	-15.77	peak	

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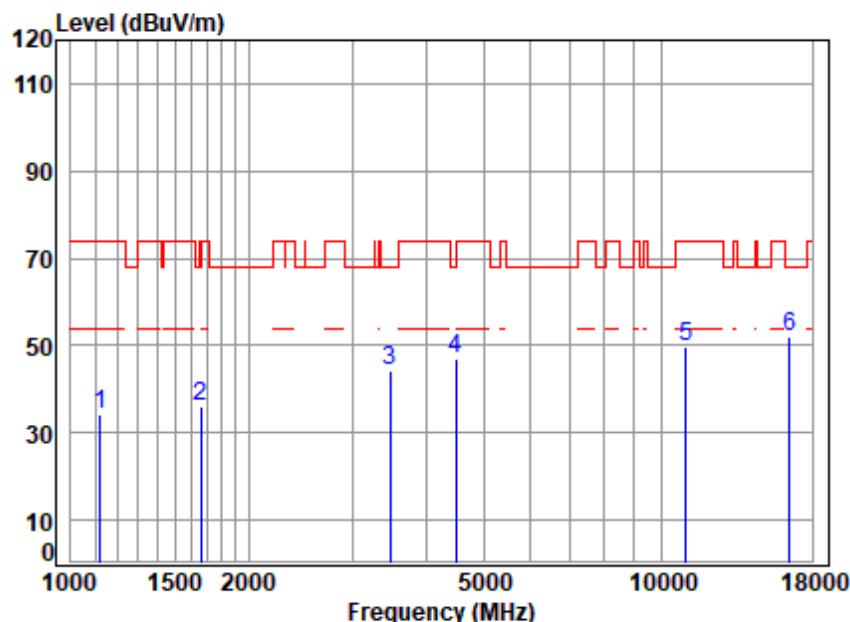
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 12955CR
 Mode : 5500 TX RSE
 Note : 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark
					dB	dBuV		
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 11000.000	10.97	37.80	37.62	38.50	49.65	74.00	-24.35	peak
6 16500.000	14.82	42.20	40.47	35.58	52.13	68.20	-16.07	peak

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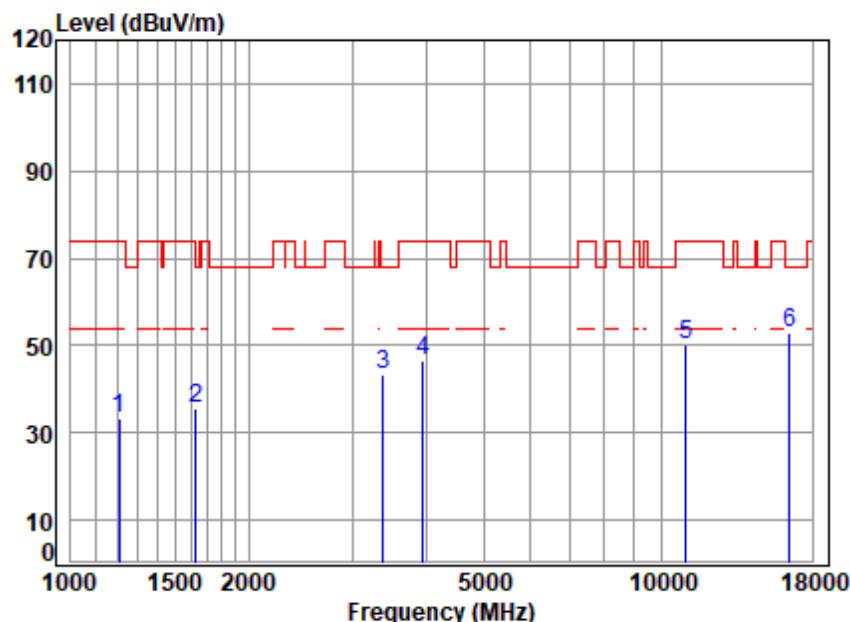
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Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5500 TX RSE
Note : 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line	Over Limit	Remark
					dB	dBuV	dBuV/m	dBuV/m	dB
MHz	dB	dB/m	dB	dBuV	dBuV/m	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 11000.000	10.97	37.80	37.62	38.81	49.96	74.00	-24.04	peak	
6 16500.000	14.82	42.20	40.47	36.51	53.06	68.20	-15.14	peak	

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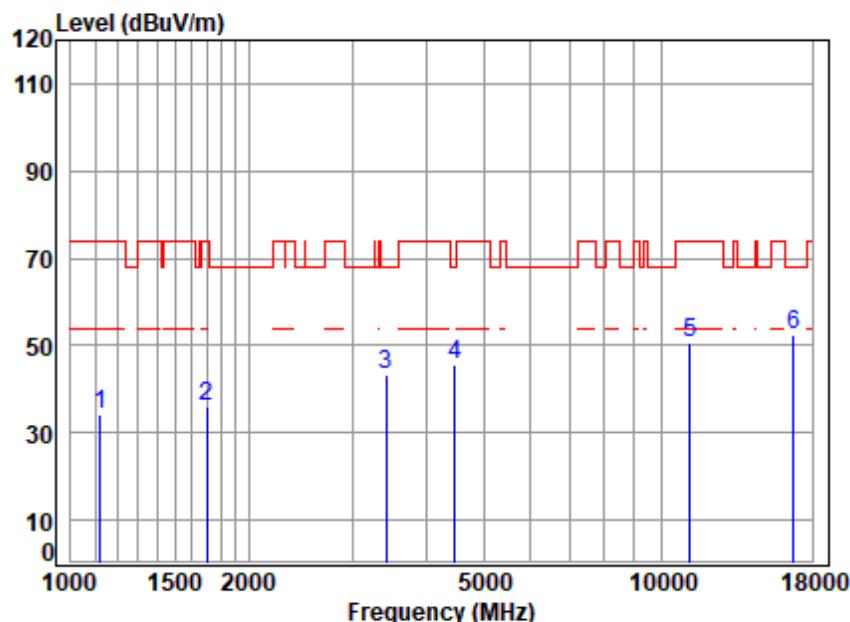
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5580 TX RSE
Note : 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line Limit	Remark
					dB	dBuV	dBuV/m	dBuV/m
MHz	dB	dB/m	dB	dBuV	dBuV/m	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 11160.000	11.18	37.83	37.70	39.29	50.60	74.00	-23.40	peak
6 16740.000	14.51	42.39	40.41	35.76	52.25	68.20	-15.95	peak

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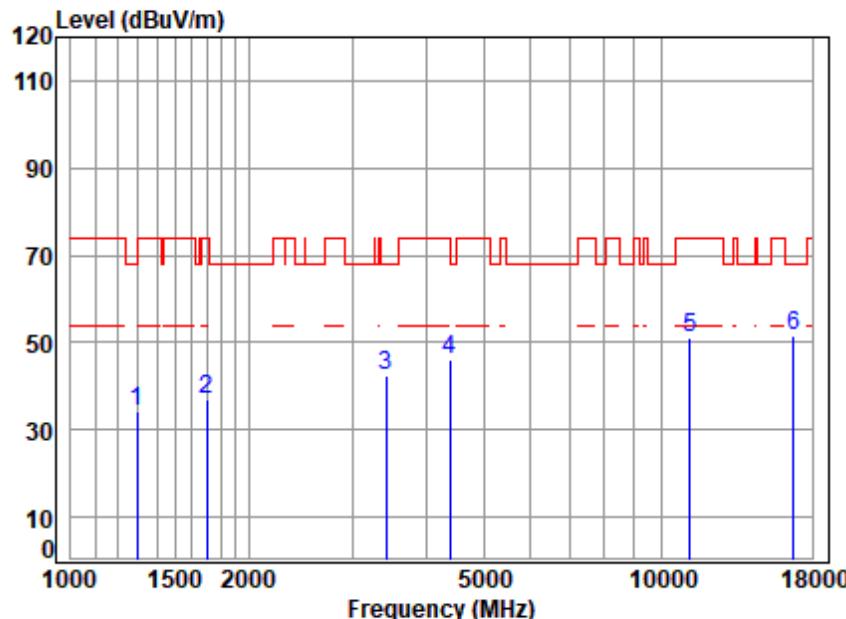
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Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5580 TX RSE
Note : 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark	
								MHz	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 11160.000	11.18	37.83	37.70	39.87	51.18	74.00	-22.82	peak	
6 16740.000	14.51	42.39	40.41	35.10	51.59	68.20	-16.61	peak	

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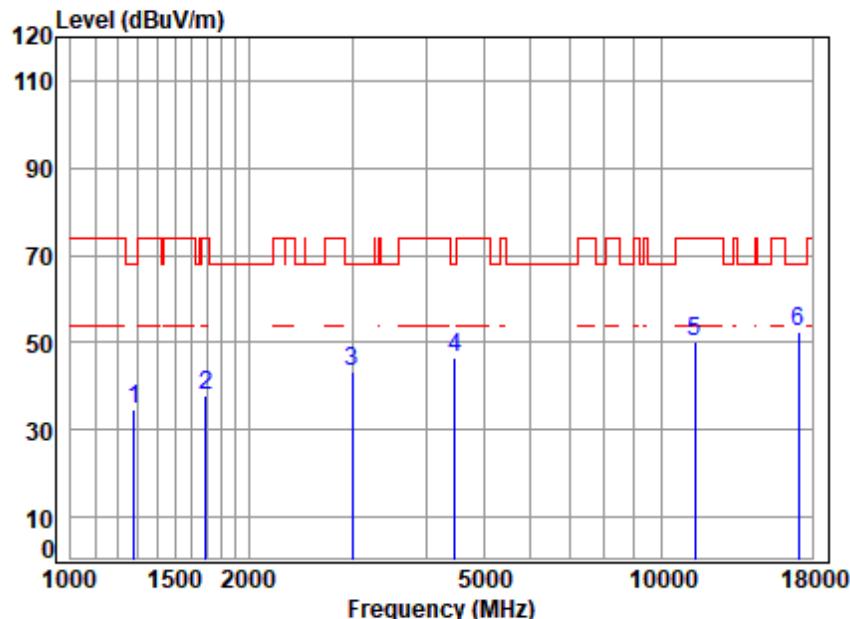
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



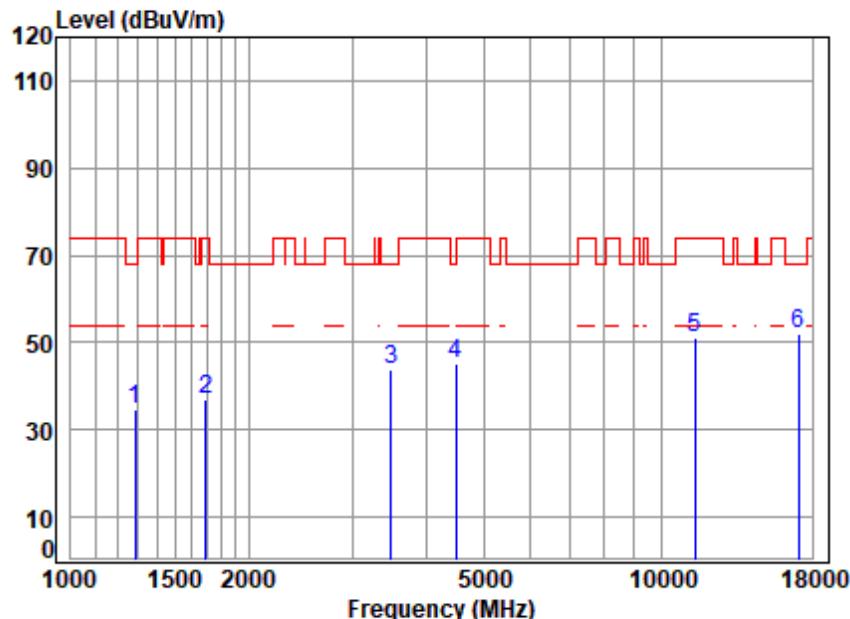
Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5700 TX RSE
Note : 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
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 11400.000	11.50	37.88	37.82	38.70	50.26	74.00	-23.74	peak
6 17100.000	14.14	42.66	40.32	35.91	52.39	68.20	-15.81	peak

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



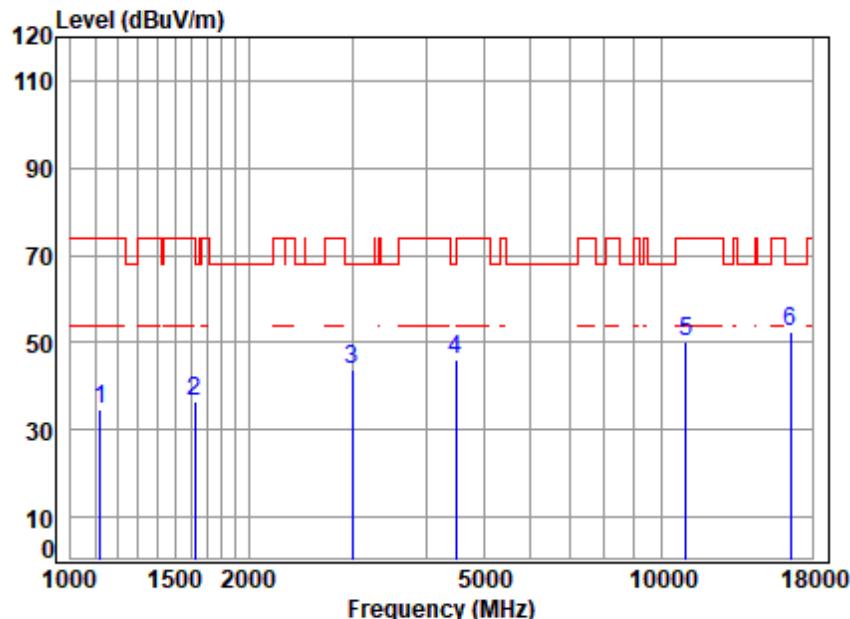
Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5700 TX RSE
Note : 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark	
								dB	
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 11400.000	11.50	37.88	37.82	39.74	51.30	74.00	-22.70	peak	
6 17100.000	14.14	42.66	40.32	35.66	52.14	68.20	-16.06	peak	

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5510 TX RSE
Note : 5G WIFI 11N40

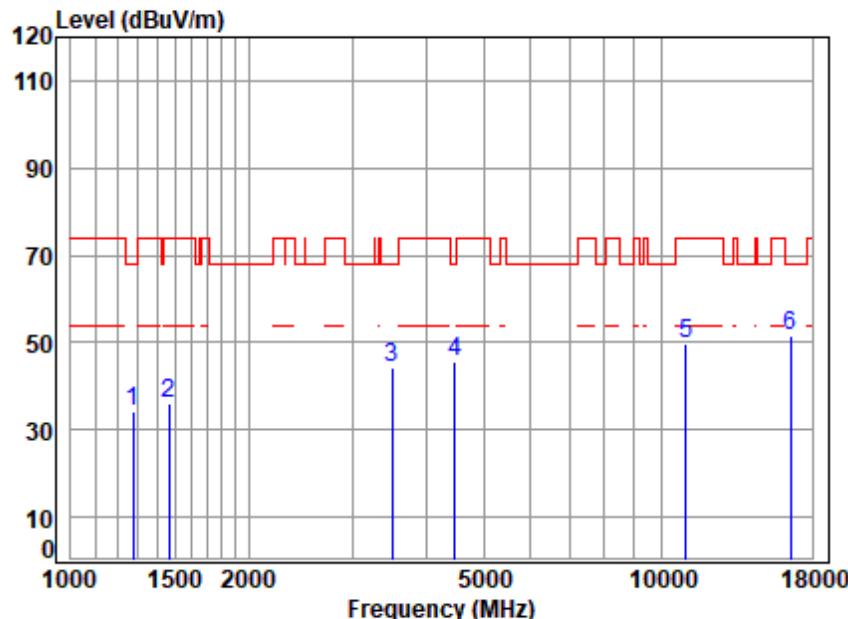
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark	
								dB	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 1122.563	2.62	24.23	39.70	47.56	34.71	74.00	-39.29	peak	
2 1620.431	3.36	26.34	40.02	46.70	36.38	74.00	-37.62	peak	
3 2999.187	4.86	30.90	40.70	48.83	43.89	68.20	-24.31	peak	
4 4482.150	6.74	33.57	41.86	47.53	45.98	68.20	-22.22	peak	
5 11020.000	11.00	37.80	37.63	38.95	50.12	74.00	-23.88	peak	
6 16530.000	14.78	42.22	40.46	35.99	52.53	68.20	-15.67	peak	



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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5510 TX RSE
Note : 5G WIFI 11N40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line	Over Limit	Remark
					dB	dBuV			
MHz	dB	dB/m	dB	dBuV	dBuV/m	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 11020.000	11.00	37.80	37.63	38.68	49.85	74.00	-24.15	peak	
6 16530.000	14.78	42.22	40.46	34.98	51.52	68.20	-16.68	peak	

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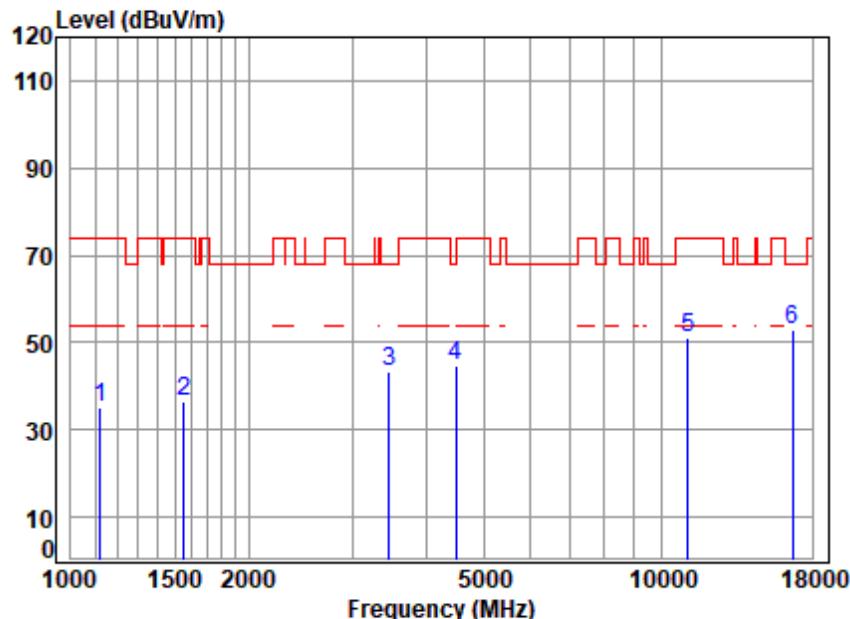
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5550 TX RSE
Note : 5G WIFI 11N40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark	
					dB	dB/m	dB	dBuV	dBuV/m
MHz									
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	11100.000	11.10	37.82	37.67	39.68	50.93	74.00	-23.07	peak
6	16650.000	14.62	42.32	40.43	36.40	52.91	68.20	-15.29	peak

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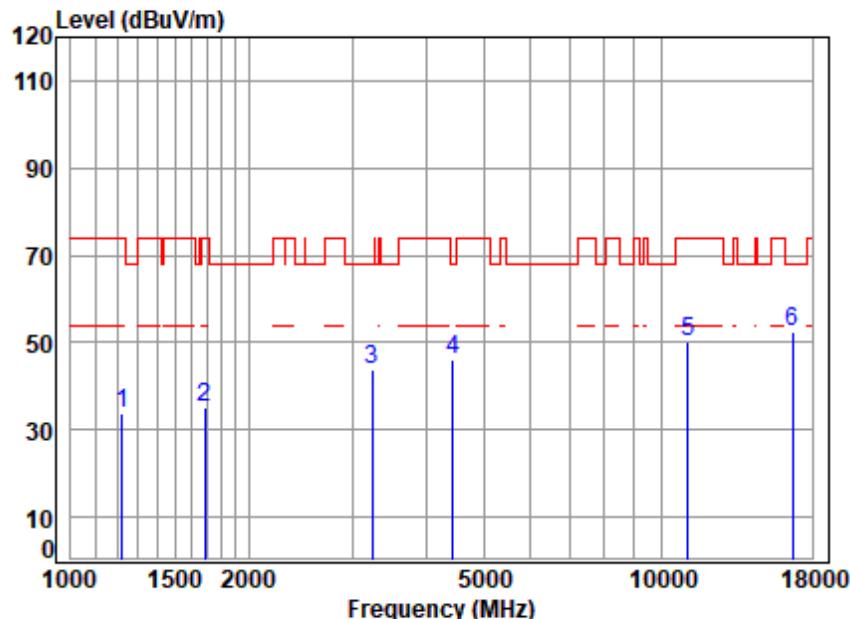
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Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5550 TX RSE
Note : 5G WIFI 11N40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark	
					dB	dB/m	dB	dBuV	dBuV/m
MHz									
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	11100.000	11.10	37.82	37.67	39.01	50.26	74.00	-23.74	peak
6	16650.000	14.62	42.32	40.43	35.79	52.30	68.20	-15.90	peak

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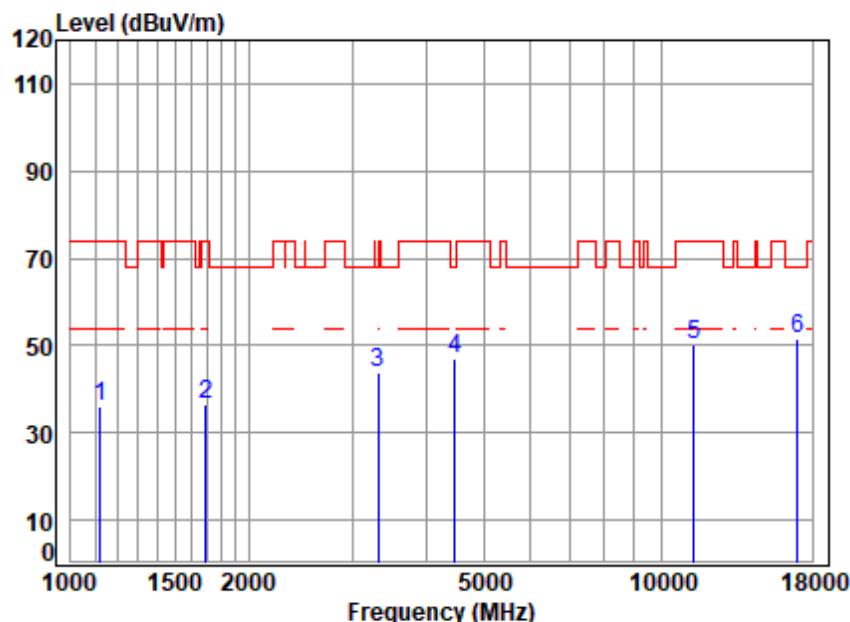
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5670 TX RSE
Note : 5G WIFI 11N40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark	
					dB	dB/m	dB	dBuV	dBuV/m
MHz									
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	11340.000	11.42	37.87	37.79	38.74	50.24	74.00	-23.76	peak
6	17010.000	14.17	42.61	40.34	35.09	51.53	68.20	-16.67	peak

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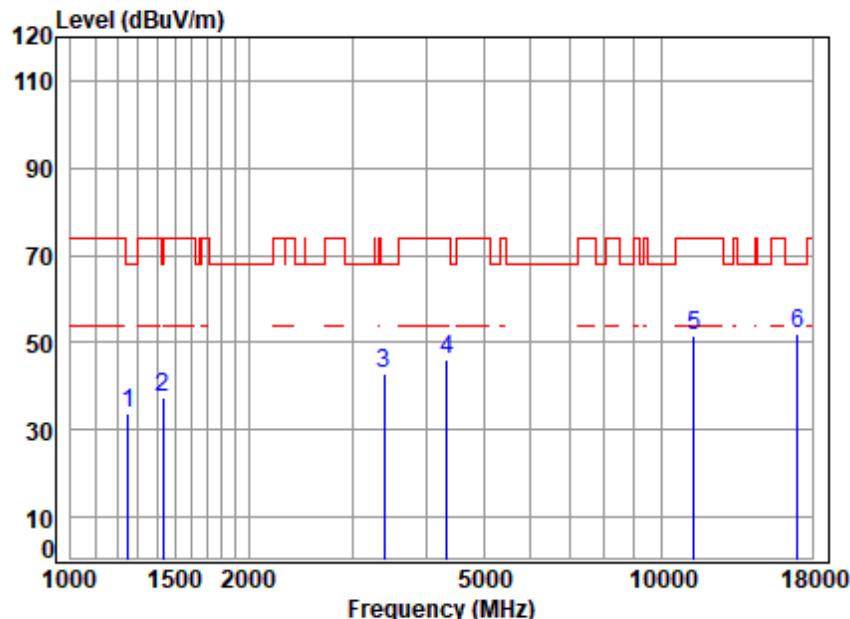
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Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5670 TX RSE
Note : 5G WIFI 11N40

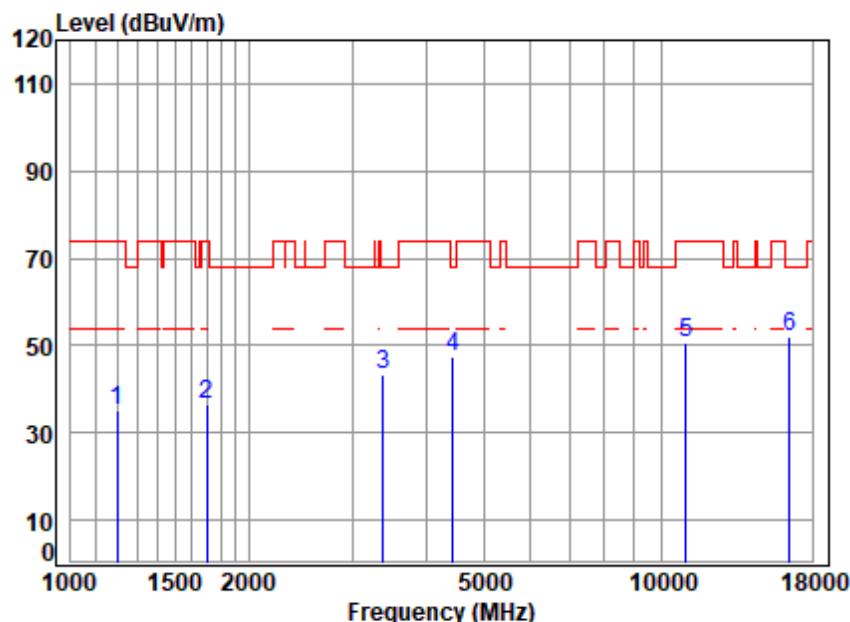
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark	
					dB	dB/m	dB	dBuV	dBuV/m
MHz									
1	1249.269	2.85	24.81	39.79	46.04	33.91	68.20	-34.29	peak
2	1435.189	3.16	25.56	39.91	48.40	37.21	74.00	-36.79	peak
3	3396.098	5.39	31.54	41.00	46.77	42.70	68.20	-25.50	peak
4	4341.886	6.61	33.33	41.73	48.07	46.28	74.00	-27.72	peak
5	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	35.64	52.08	68.20	-16.12	peak



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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5500 TX RSE
Note : 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line	Over Limit	Remark
					dB	dBuV			
MHz	dB	dB/m	dB	dBuV	dBuV/m	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 11000.000	10.97	37.80	37.62	39.55	50.70	74.00	-23.30	peak	
6 16500.000	14.82	42.20	40.47	35.27	51.82	68.20	-16.38	peak	

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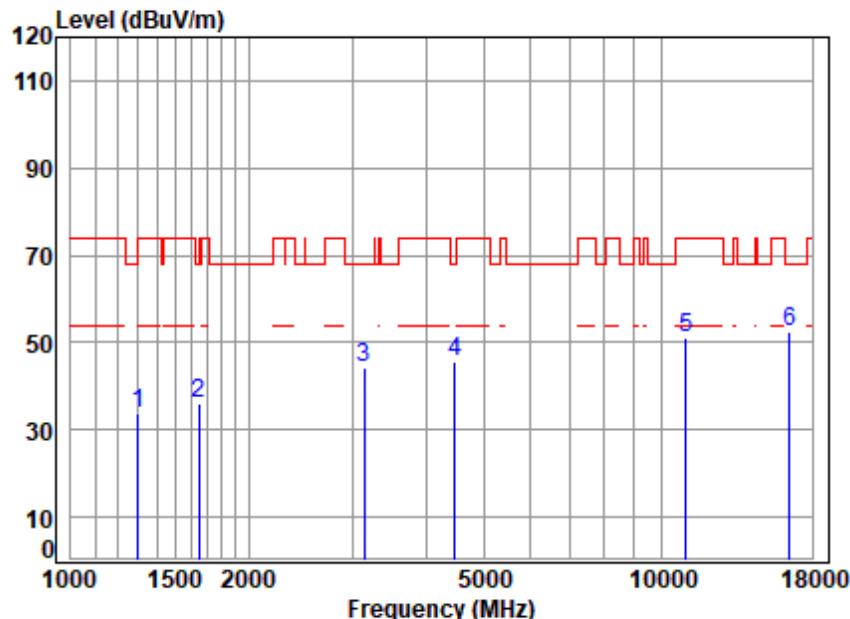
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5500 TX RSE
Note : 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark
					dB	dBuV	dBuV/m	dBuV/m
MHz	dB	dB/m	dB	dBuV	dBuV/m	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 11000.000	10.97	37.80	37.62	40.06	51.21	74.00	-22.79	peak
6 16500.000	14.82	42.20	40.47	36.06	52.61	68.20	-15.59	peak

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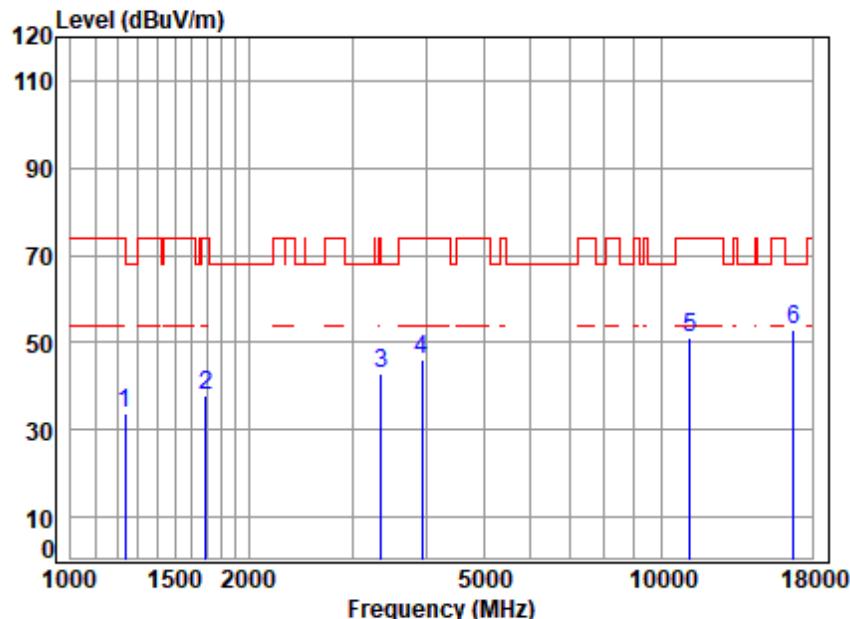
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5580 TX RSE
Note : 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line	Over Limit	Remark
					dB	dBuV			
MHz									
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	11160.000	11.18	37.83	37.70	39.91	51.22	74.00	-22.78	peak
6	16740.000	14.51	42.39	40.41	36.65	53.14	68.20	-15.06	peak

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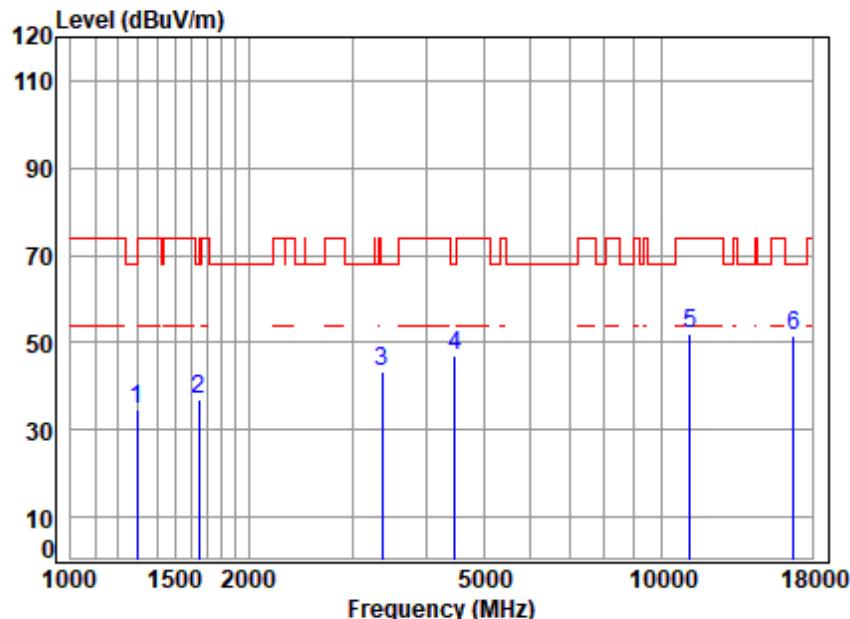
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5580 TX RSE
Note : 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line	Over Limit	Remark
					dB	dBuV			
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 11160.000	11.18	37.83	37.70	40.56	51.87	74.00	-22.13	peak	
6 16740.000	14.51	42.39	40.41	35.07	51.56	68.20	-16.64	peak	

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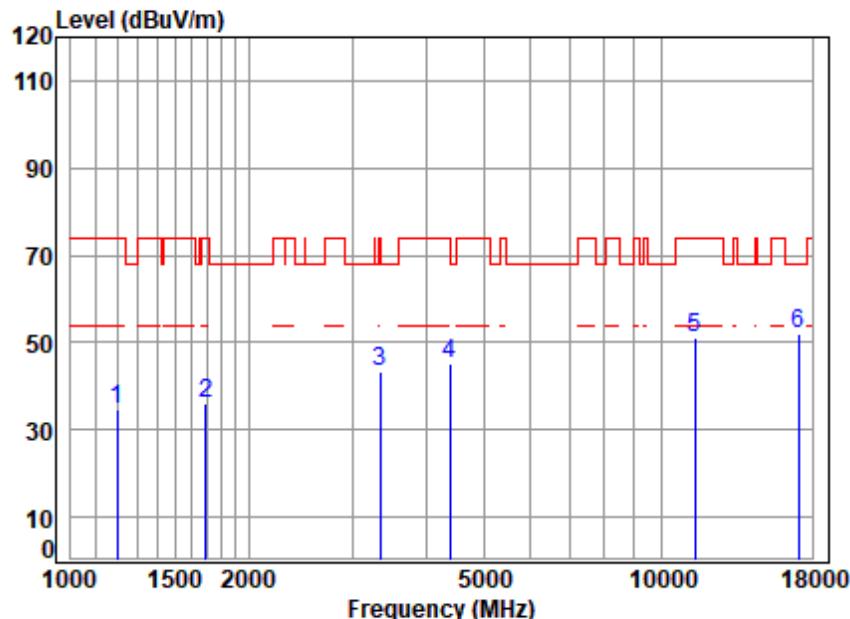
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 12955CR
 Mode : 5700 TX RSE
 Note : 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line	Over Limit	Remark
					dB	dBuV			
MHz									
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 11400.000	11.50	37.88	37.82	39.36	50.92	74.00	-23.08	peak	
6 17100.000	14.14	42.66	40.32	35.51	51.99	68.20	-16.21	peak	

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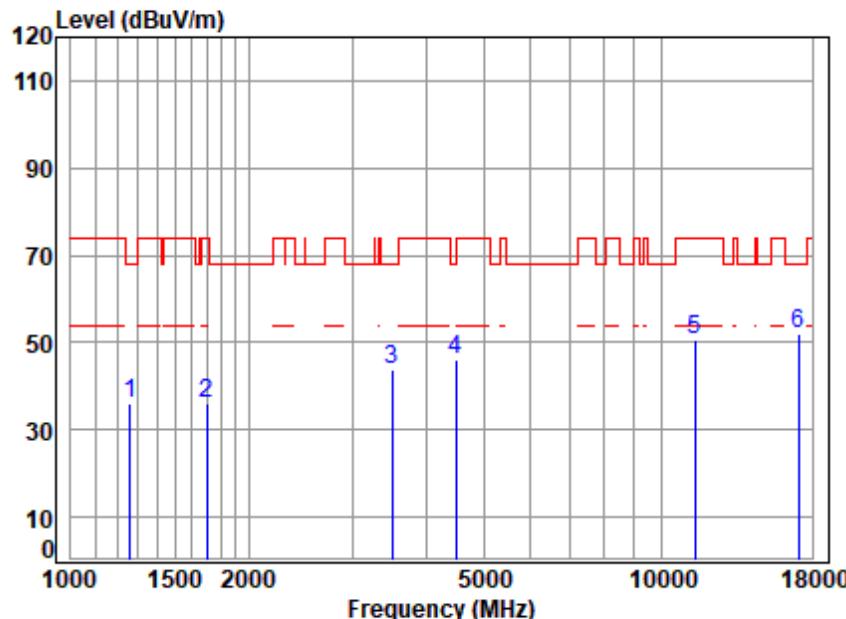
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5700 TX RSE
Note : 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark	
				Level				
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 11400.000	11.50	37.88	37.82	39.05	50.61	74.00	-23.39	peak
6 17100.000	14.14	42.66	40.32	35.55	52.03	68.20	-16.17	peak

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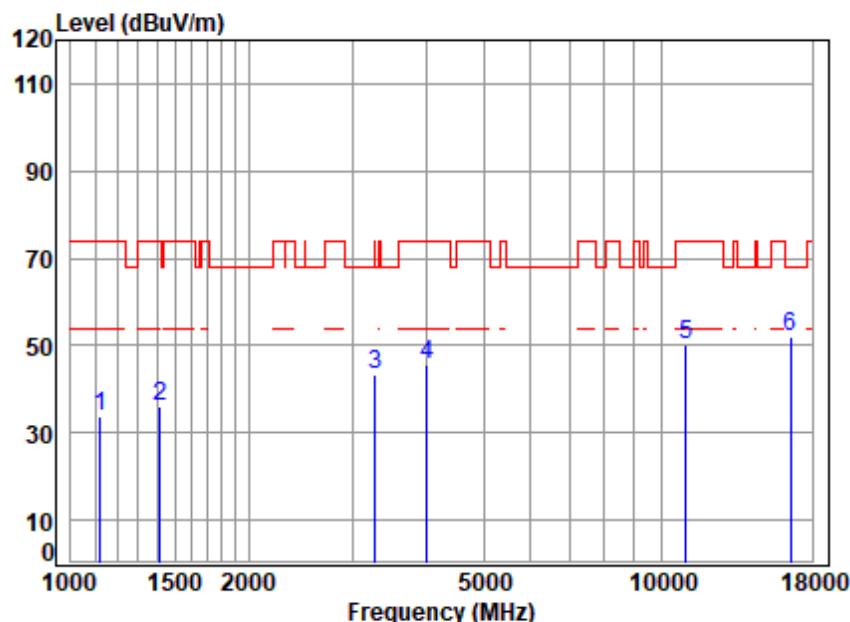
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5510 TX RSE
Note : 5G WIFI 11AC40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark
					dB	dBuV	dBuV/m	dBuV/m
MHz	dB	dB/m	dB	dBuV	dBuV/m	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 11020.000	11.00	37.80	37.63	38.93	50.10	74.00	-23.90	peak
6 16530.000	14.78	42.22	40.46	35.38	51.92	68.20	-16.28	peak

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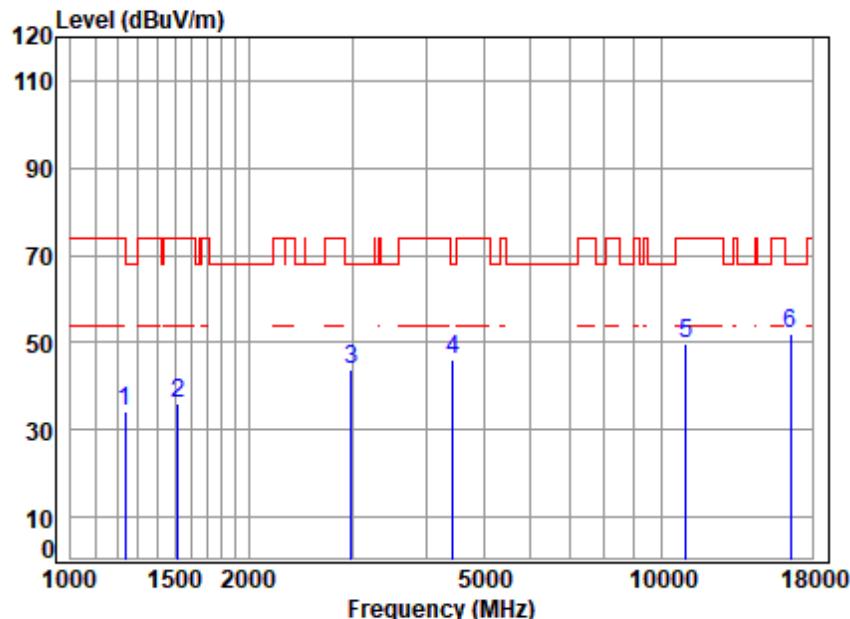
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5510 TX RSE
Note : 5G WIFI 11AC40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark	
								dB	
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 11020.000	11.00	37.80	37.63	38.55	49.72	74.00	-24.28	peak	
6 16530.000	14.78	42.22	40.46	35.67	52.21	68.20	-15.99	peak	

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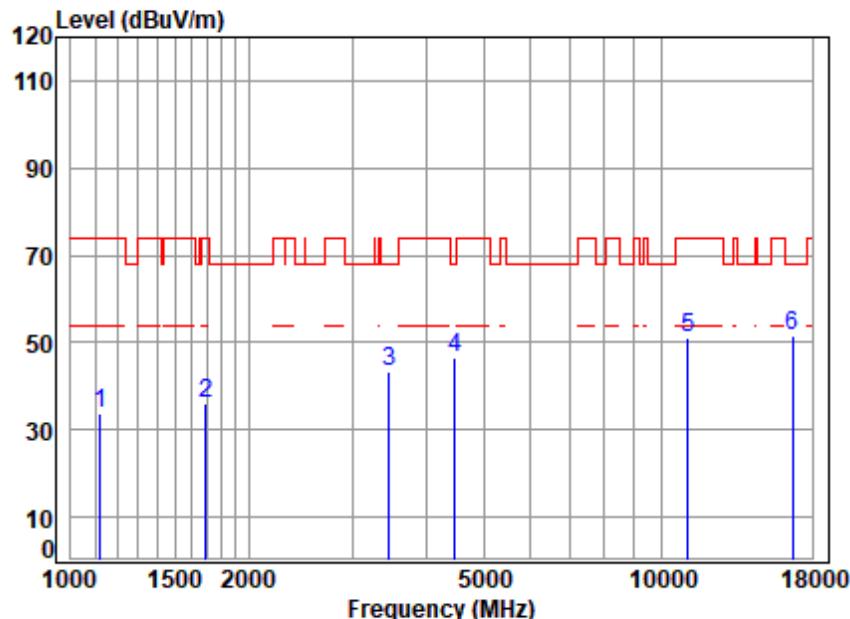
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5550 TX RSE
Note : 5G WIFI 11AC40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark	
					dB	dB/m	dB	dBuV	dBuV/m
MHz									
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	11100.000	11.10	37.82	37.67	39.86	51.11	74.00	-22.89	peak
6	16650.000	14.62	42.32	40.43	35.24	51.75	68.20	-16.45	peak

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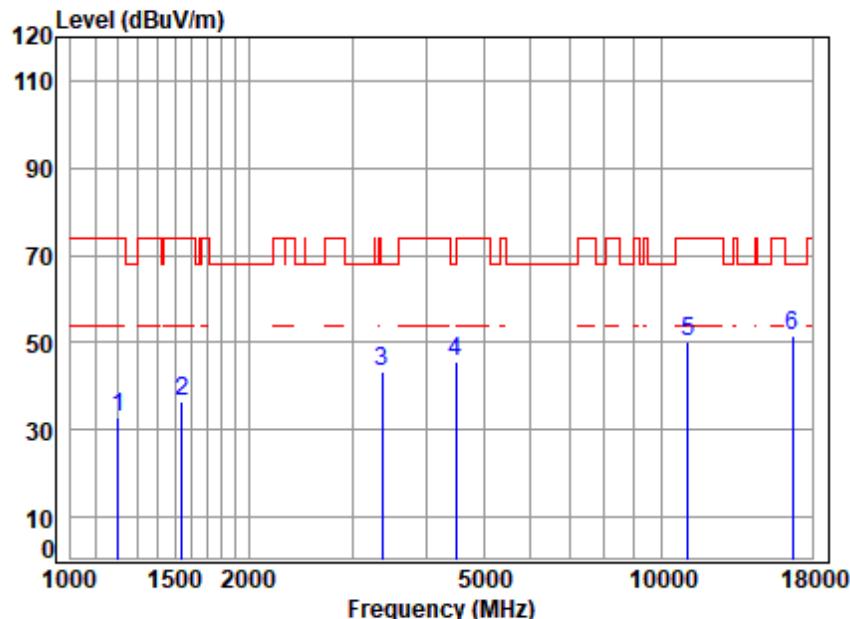
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5550 TX RSE
Note : 5G WIFI 11AC40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark	
					dB	dB/m	dB	dBuV	dBuV/m
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dBuV/m	dB	
1 1203.199	2.77	24.60	39.76	45.39	33.00	74.00	74.00	-41.00	peak
2 1542.733	3.30	26.00	39.98	47.04	36.36	74.00	74.00	-37.64	peak
3 3366.778	5.35	31.50	40.98	47.29	43.16	68.20	68.20	-25.04	peak
4 4482.150	6.74	33.57	41.86	47.34	45.79	68.20	68.20	-22.41	peak
5 11100.000	11.10	37.82	37.67	39.16	50.41	74.00	74.00	-23.59	peak
6 16650.000	14.62	42.32	40.43	35.01	51.52	68.20	68.20	-16.68	peak

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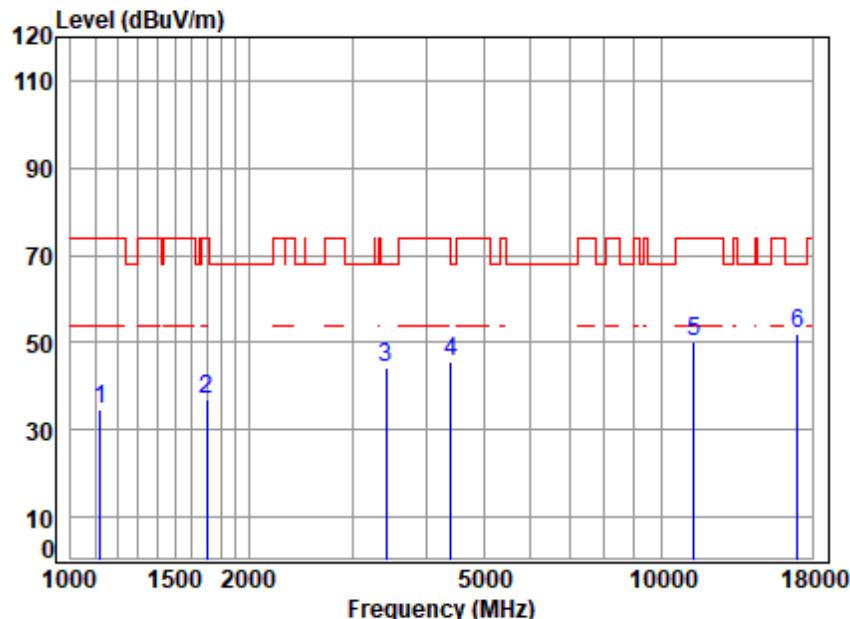
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



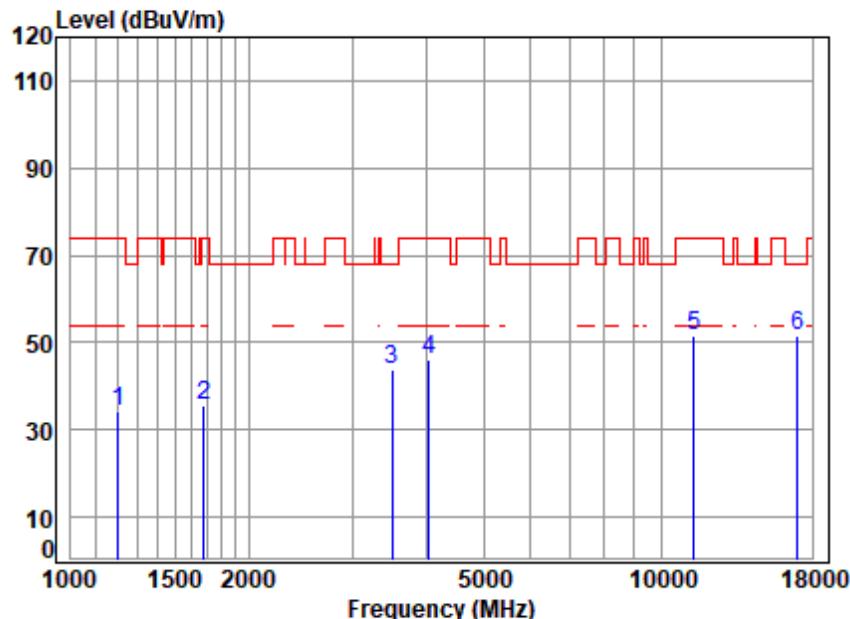
Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5670 TX RSE
Note : 5G WIFI 11AC40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line	Over Limit	Remark
					dB	dBuV			
MHz	dB	dB/m	dB	dBuV	dBuV/m	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 11340.000	11.42	37.87	37.79	38.61	50.11	74.00	-23.89	peak	
6 17010.000	14.17	42.61	40.34	35.35	51.79	68.20	-16.41	peak	

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

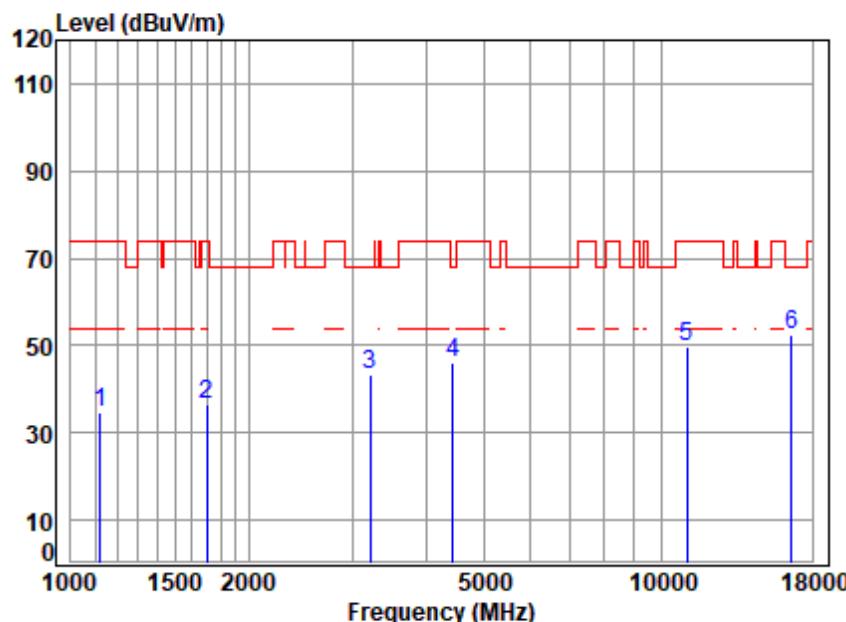


Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5670 TX RSE
Note : 5G WIFI 11AC40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
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	11340.000	11.42	37.87	37.79	39.91	51.41	74.00	-22.59 peak
6	17010.000	14.17	42.61	40.34	35.15	51.59	68.20	-16.61 peak



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



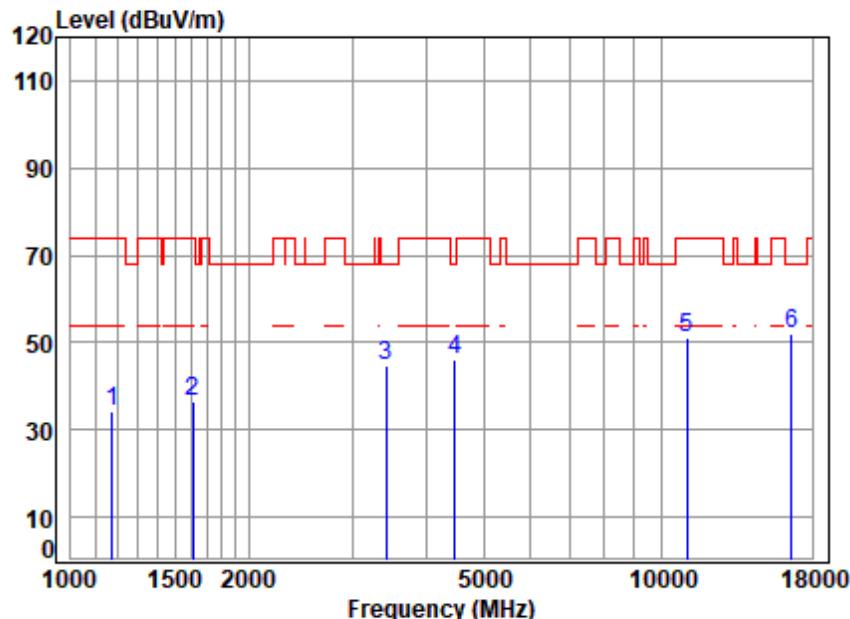
Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5530 TX RSE
Note : 5G WIFI 11AC80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark	
					dB	dB/m	dB	dBuV	dBuV/m
MHz									
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	11060.000	11.05	37.81	37.65	38.59	49.80	74.00	-24.20	peak
6	16590.000	14.70	42.27	40.45	36.14	52.66	68.20	-15.54	peak

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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
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
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	11060.000	11.05	37.81	37.65	39.75	50.96	74.00	-23.04	peak
6	16590.000	14.70	42.27	40.45	35.57	52.09	68.20	-16.11	peak

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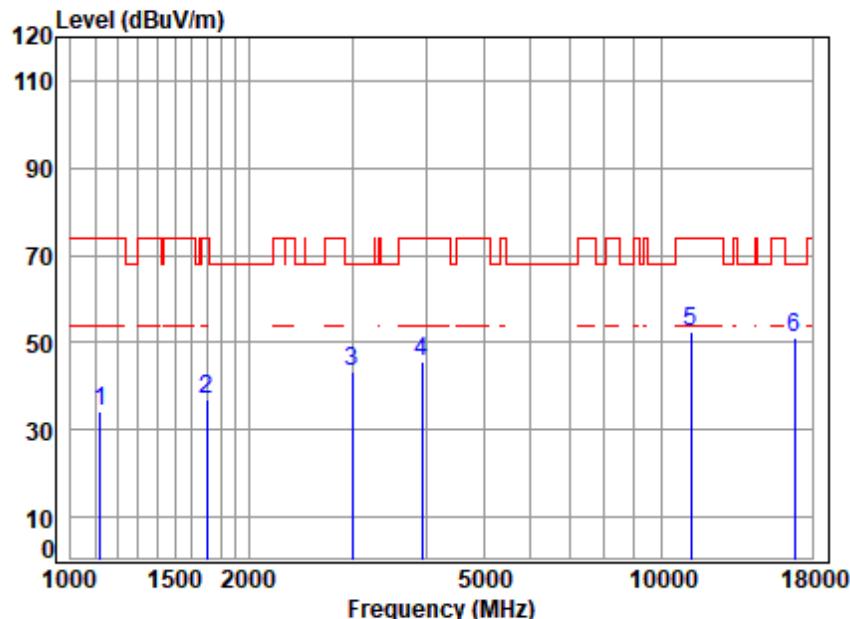
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5610 TX RSE
Note : 5G WIFI 11AC80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line Limit	Over Remark
					dB	dBuV	dBuV/m	dBuV/m
MHz	dB	dB/m	dB	dBuV	dBuV/m	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 11220.000	11.26	37.84	37.73	41.28	52.65	74.00	-21.35	peak
6 16830.000	14.39	42.47	40.39	34.79	51.26	68.20	-16.94	peak

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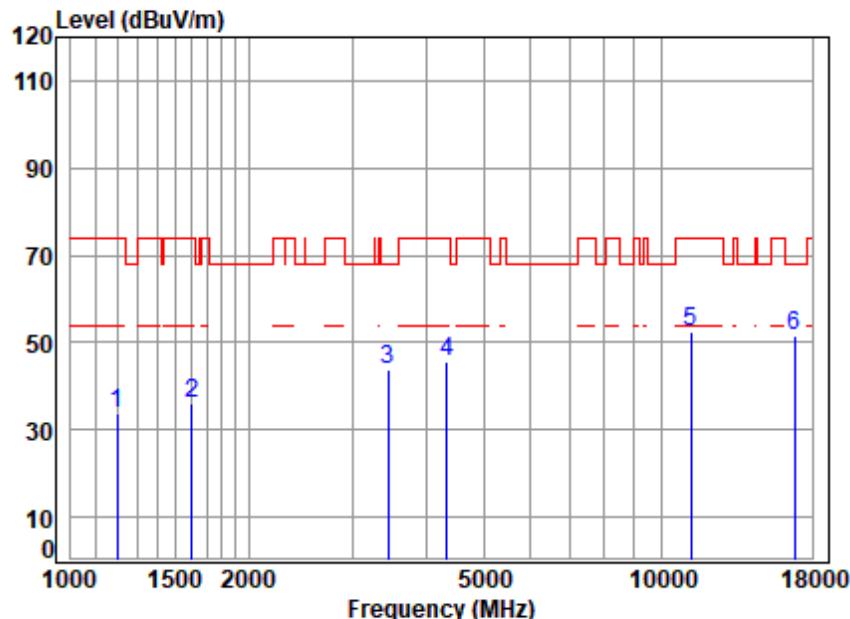
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5610 TX RSE
Note : 5G WIFI 11AC80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line	Over Limit	Remark
					dB	dB/m	dB	dBuV/m	dBuV/m
MHz	dB	dB/m	dB	dBuV	dBuV/m	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 11220.000	11.26	37.84	37.73	40.99	52.36	74.00	-21.64	peak	
6 16830.000	14.39	42.47	40.39	35.03	51.50	68.20	-16.70	peak	

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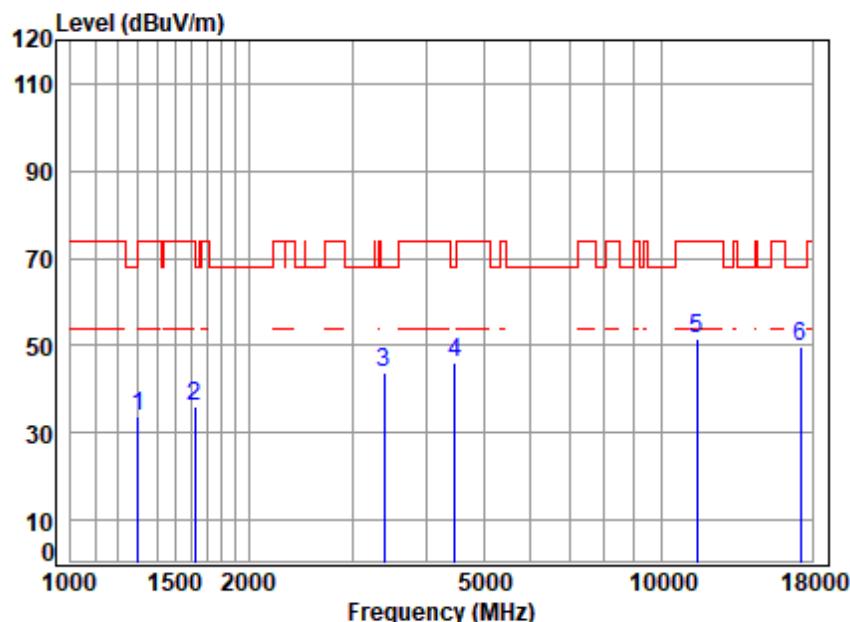
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Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5745 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark	
								MHz	dB
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	11490.000	11.62	37.90	37.86	39.88	51.54	74.00	-22.46	peak
6	17235.000	14.09	42.74	40.28	33.10	49.65	68.20	-18.55	peak

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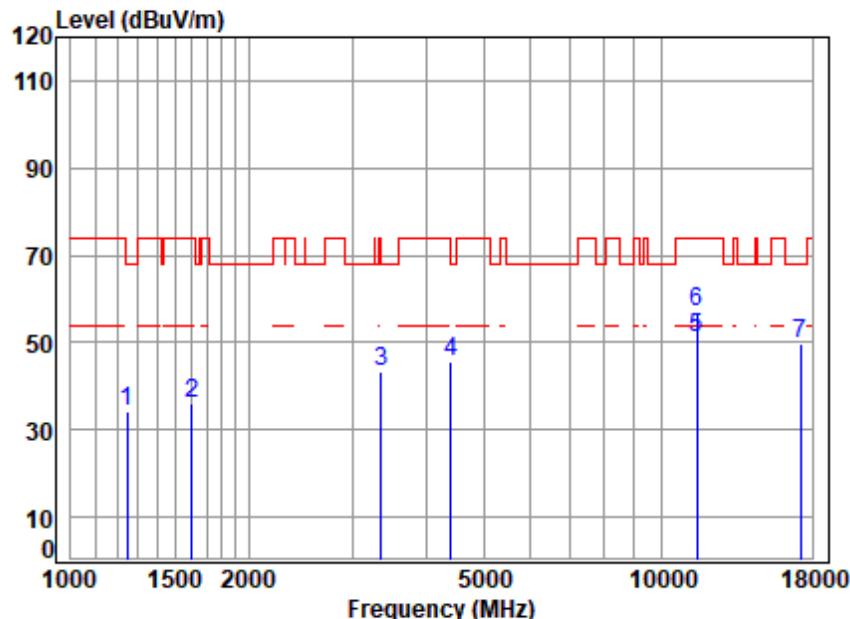
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Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5745 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark	
								MHz	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	11490.000	11.62	37.90	37.86	39.23	50.89	54.00	-3.11	Average
6	11490.000	11.62	37.90	37.86	45.41	57.07	74.00	-16.93	peak
7	17235.000	14.09	42.74	40.28	33.10	49.65	68.20	-18.55	peak

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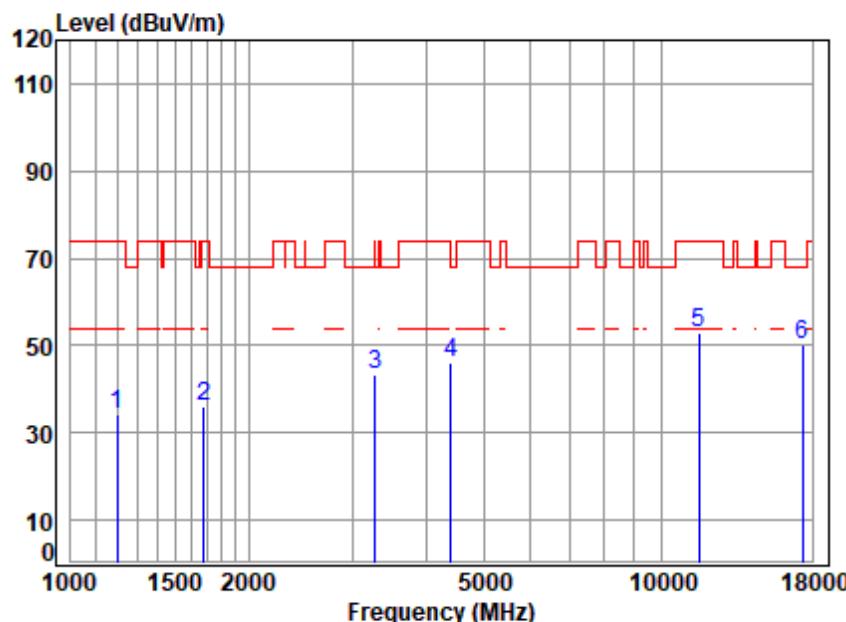


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Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5785 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line Limit	Over Remark
					dB	dBuV	dBuV/m	dBuV/m
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 11570.000	11.72	37.87	37.90	41.19	52.88	74.00	-21.12	peak
6 17355.000	14.06	42.81	40.25	33.48	50.10	68.20	-18.10	peak

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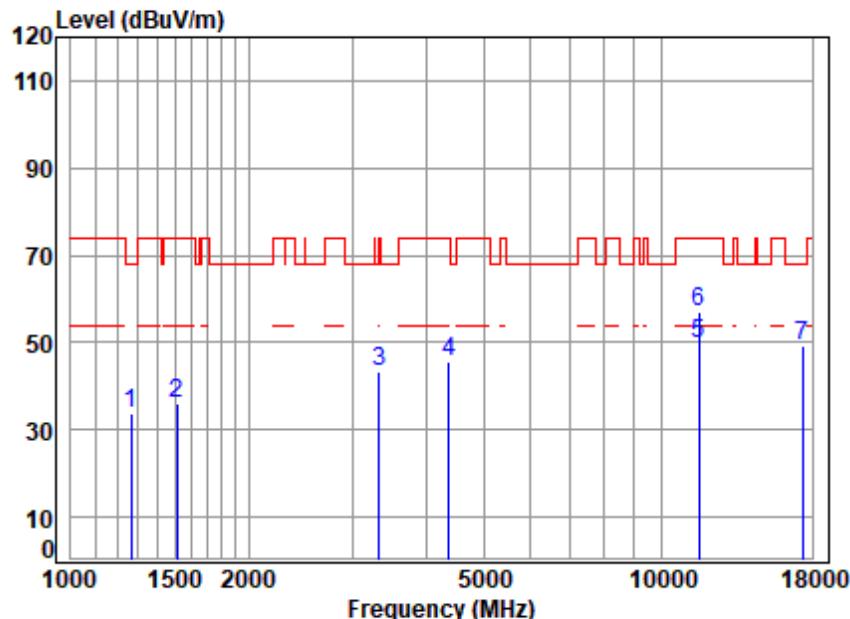
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Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5785 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark	
					dB	dB/m	dB	dBuV	dBuV/m
MHz									
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	11570.000	11.72	37.87	37.90	38.24	49.93	54.00	-4.07	Average
6	11570.000	11.72	37.87	37.90	45.24	56.93	74.00	-17.07	peak
7	17355.000	14.06	42.81	40.25	32.61	49.23	68.20	-18.97	peak

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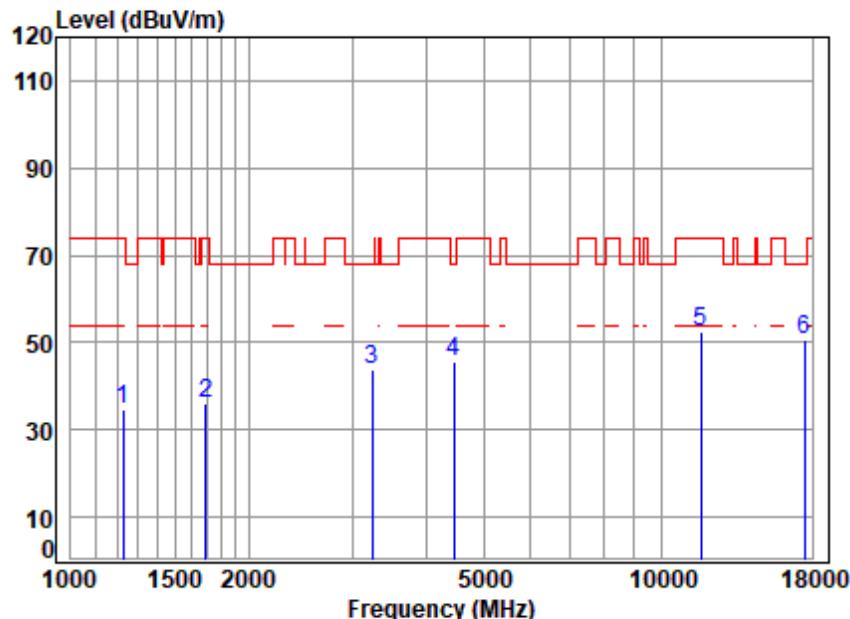
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Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



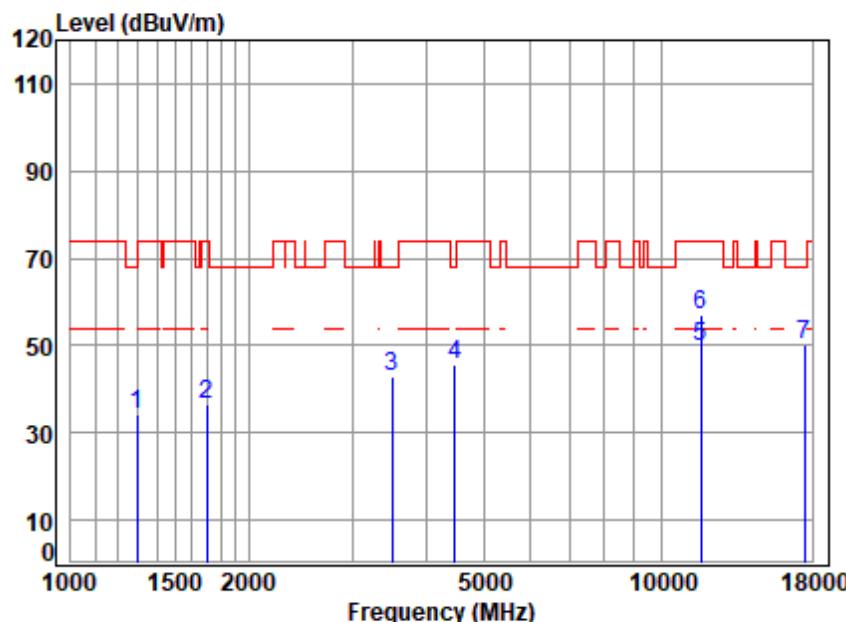
Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5825 TX RSE
Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	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	11650.000	11.82	37.84	37.94	40.81	52.53	74.00	-21.47	peak
6	17475.000	14.02	42.89	40.23	33.91	50.59	68.20	-17.61	peak

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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5825 TX RSE
Note : 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line	Over Limit	Remark
					dB	dB/m	dB	dBuV/m	dBuV/m
MHz	dB	dB/m	dB	dBuV	dBuV/m	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 11650.000	11.82	37.84	37.94	38.24	49.96	54.00	-4.04	Average	
6 11650.000	11.82	37.84	37.94	45.36	57.08	74.00	-16.92	peak	
7 17475.000	14.02	42.89	40.23	33.33	50.01	68.20	-18.19	peak	

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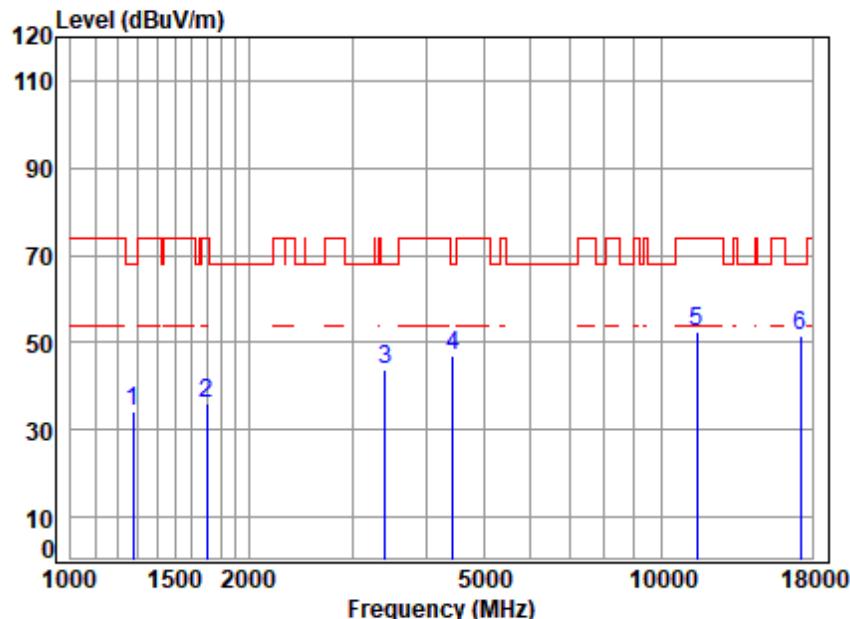
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Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5745 TX RSE
Note : 5G WIFI 11N20

Freq	Cable Loss		Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	MHz	dB	dB/m		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	11490.000	11.62	37.90	37.86	41.01	52.67	74.00	-21.33	peak
6	17235.000	14.09	42.74	40.28	34.91	51.46	68.20	-16.74	peak

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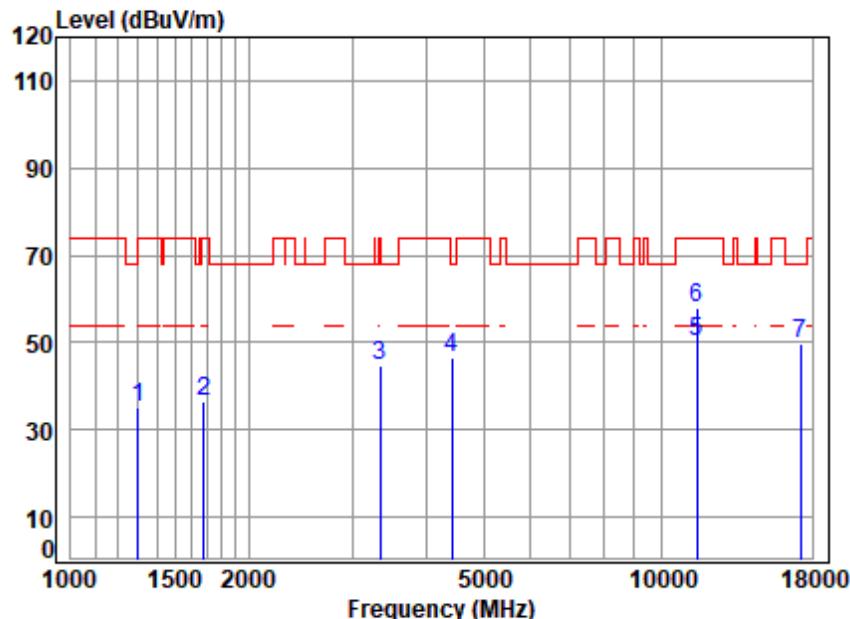
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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



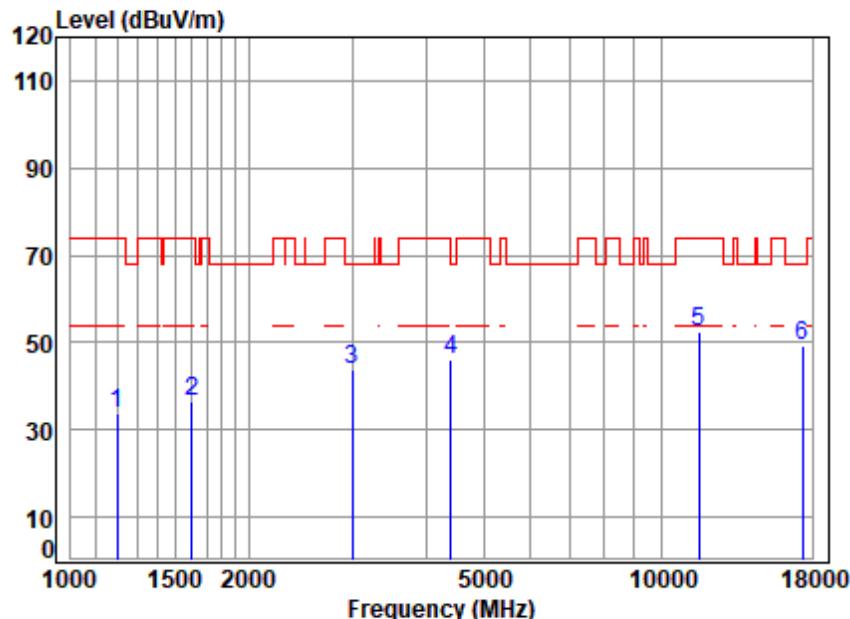
Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5745 TX RSE
Note : 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark	
								MHz	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	11490.000	11.62	37.90	37.86	38.73	50.39	54.00	-3.61	Average
6	11490.000	11.62	37.90	37.86	46.29	57.95	74.00	-16.05	peak
7	17235.000	14.09	42.74	40.28	33.31	49.86	68.20	-18.34	peak

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5785 TX RSE
Note : 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark
					dB	dBuV	dBuV/m	dBuV/m
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 11570.000	11.72	37.87	37.90	40.76	52.45	74.00	-21.55	peak
6 17355.000	14.06	42.81	40.25	32.81	49.43	68.20	-18.77	peak

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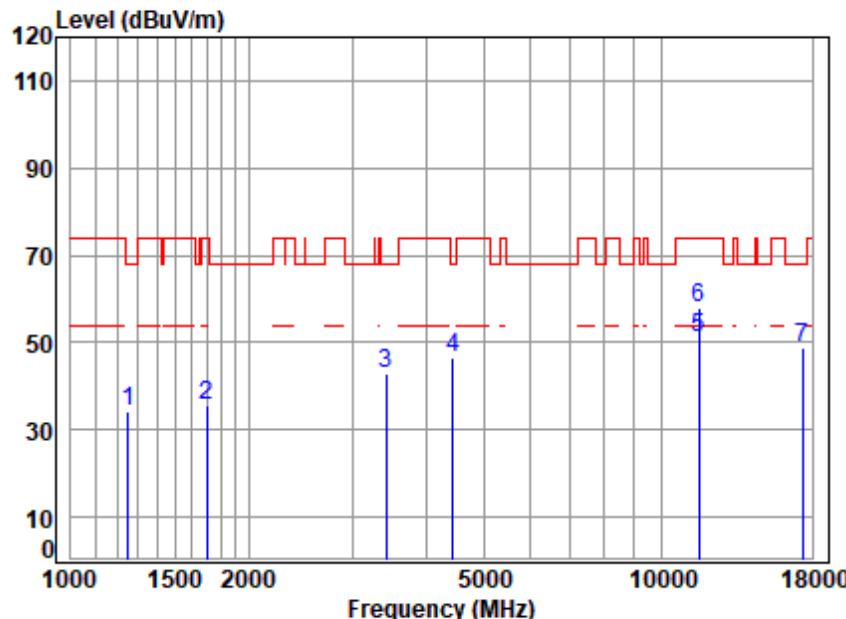


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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5785 TX RSE
Note : 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark	
					dB	dB/m	dB	dBuV	dBuV/m
MHz								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	11570.000	11.72	37.87	37.90	39.28	50.97	54.00	-3.03	Average
6	11570.000	11.72	37.87	37.90	46.27	57.96	74.00	-16.04	peak
7	17355.000	14.06	42.81	40.25	32.35	48.97	68.20	-19.23	peak

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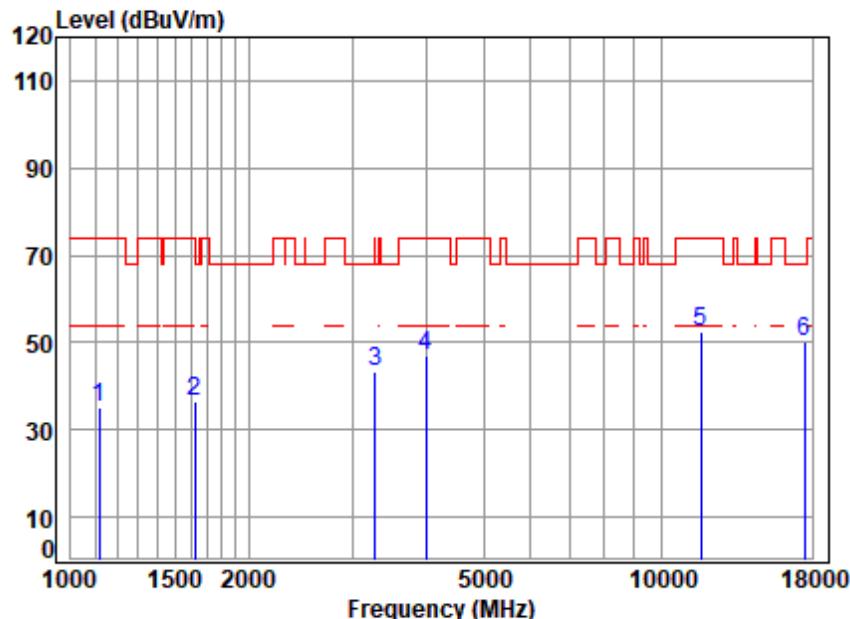
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Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5825 TX RSE
Note : 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line	Over Limit	Remark
					dB	dBuV	dBuV/m	dBuV/m	
1 1119.323	2.61	24.21	39.70	47.90	35.02	74.00	74.00	-38.98	peak
2 1620.431	3.36	26.34	40.02	46.85	36.53	74.00	74.00	-37.47	peak
3 3280.326	5.24	31.36	40.92	47.60	43.28	68.20	68.20	-24.92	peak
4 3992.781	6.27	32.69	41.40	49.41	46.97	74.00	74.00	-27.03	peak
5 11650.000	11.82	37.84	37.94	40.63	52.35	74.00	74.00	-21.65	peak
6 17475.000	14.02	42.89	40.23	33.70	50.38	68.20	68.20	-17.82	peak

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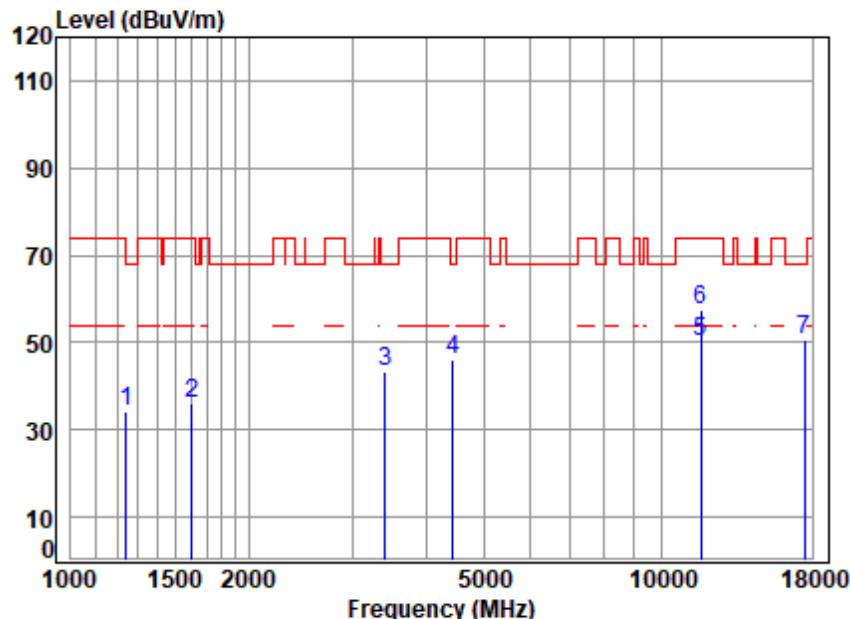
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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



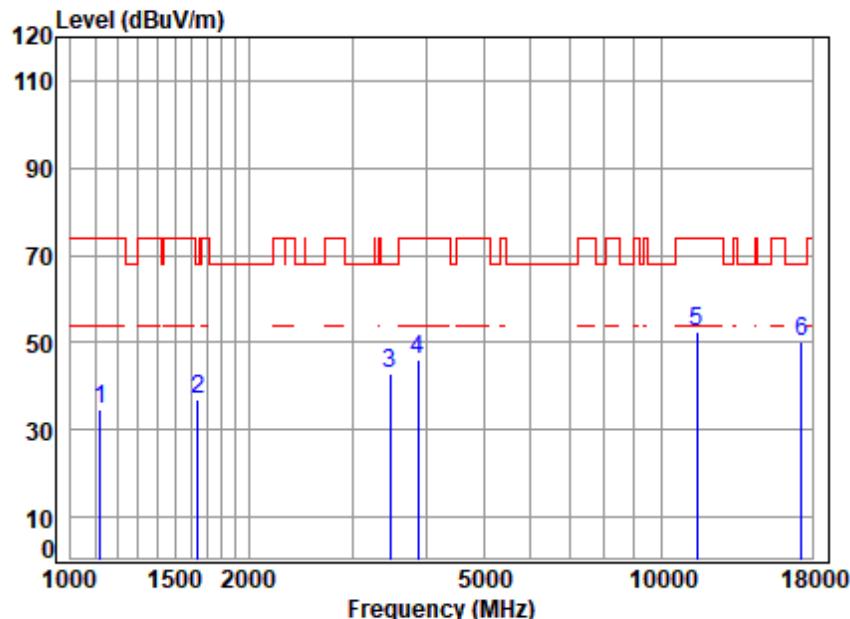
Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5825 TX RSE
Note : 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line	Over Limit	Remark
					dB	dB/m	dB	dBuV/m	dBuV/m
MHz	dB	dB/m	dB	dBuV	dBuV/m	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 11650.000	11.82	37.84	37.94	38.68	50.40	54.00	-3.60	Average	
6 11650.000	11.82	37.84	37.94	45.91	57.63	74.00	-16.37	peak	
7 17475.000	14.02	42.89	40.23	34.15	50.83	68.20	-17.37	peak	

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



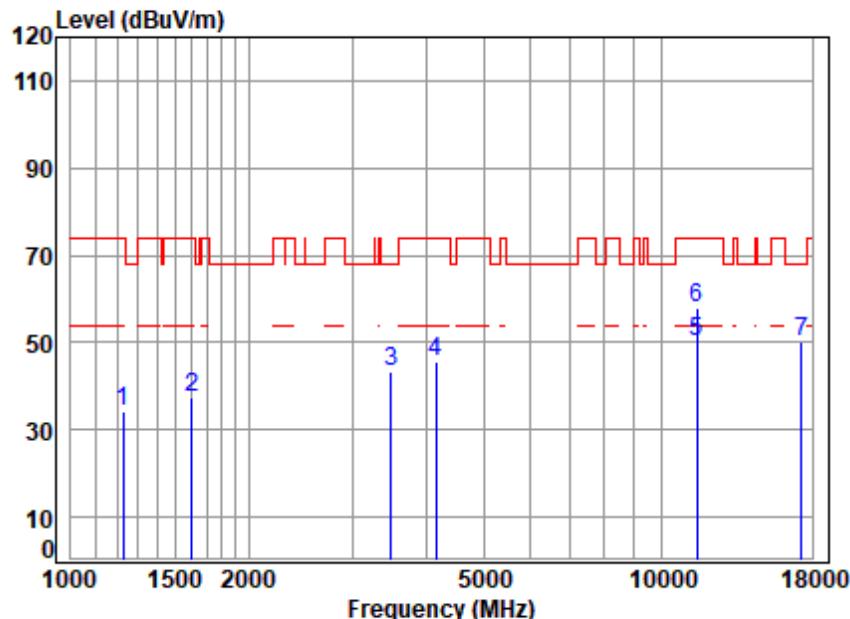
Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5755 TX RSE
Note : 5G WIFI 11N40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line	Over Limit	Remark
					dB	dBuV			
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 11510.000	11.64	37.90	37.87	40.71	52.38	74.00	-21.62	peak	
6 17265.000	14.08	42.76	40.28	33.57	50.13	68.20	-18.07	peak	

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



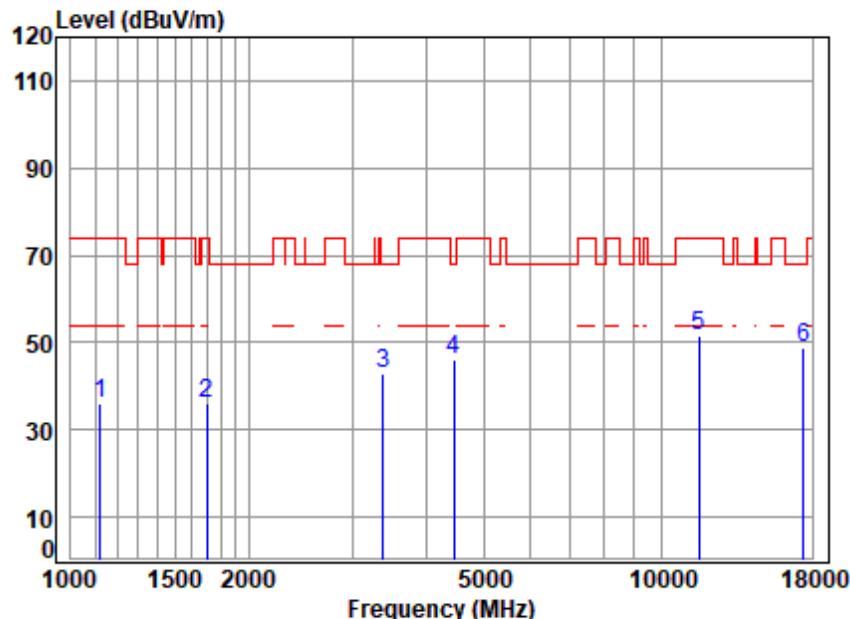
Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5755 TX RSE
Note : 5G WIFI 11N40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark
					dB	dB/m	dB	dBuV
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 11510.000	11.64	37.90	37.87	38.68	50.35	54.00	-3.65	Average
6 11510.000	11.64	37.90	37.87	46.09	57.76	74.00	-16.24	peak
7 17265.000	14.08	42.76	40.28	33.81	50.37	68.20	-17.83	peak

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5795 TX RSE
Note : 5G WIFI 11N40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark
					dB	dBuV	dBuV/m	dBuV/m
MHz	dB	dB/m	dB	dBuV	dBuV/m	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 11590.000	11.74	37.86	37.91	40.09	51.78	74.00	-22.22	peak
6 17385.000	14.05	42.83	40.25	32.31	48.94	68.20	-19.26	peak

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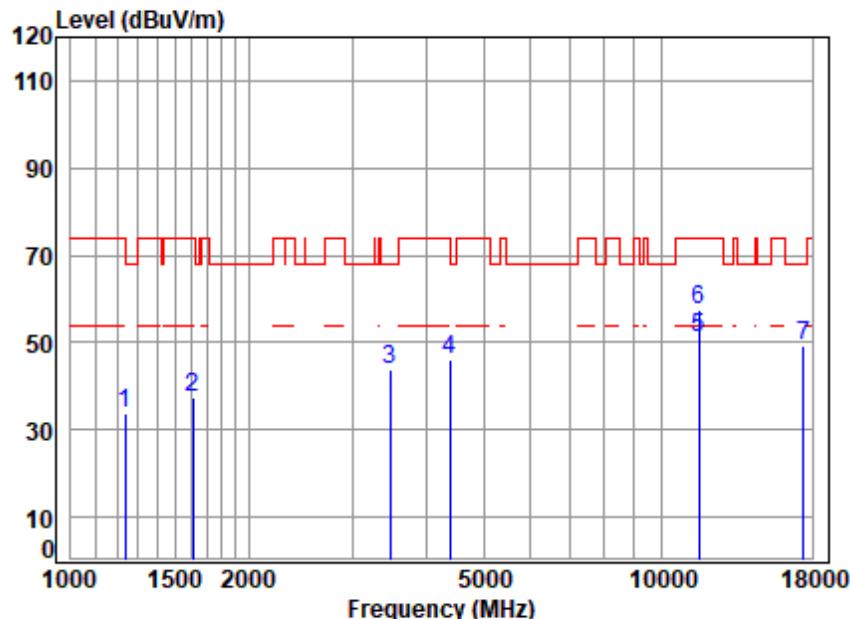
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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



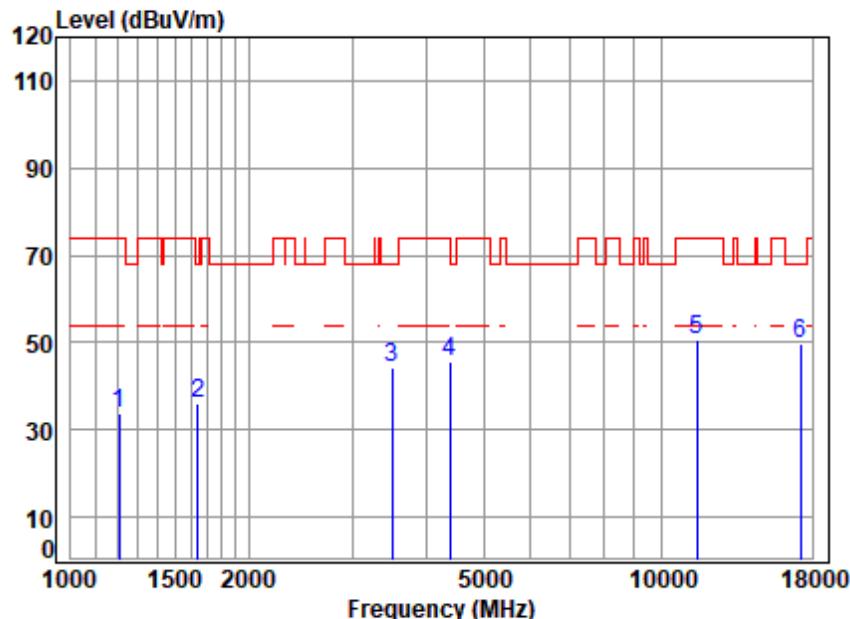
Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5795 TX RSE
Note : 5G WiFi 11N4

	Freq	Cable Loss	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	46.12	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	11590.000	11.74	37.86	37.91	39.25	50.94	54.00	-3.06	Average
6	11590.000	11.74	37.86	37.91	45.88	57.57	74.00	-16.43	peak
7	17385.000	14.05	42.83	40.25	32.79	49.42	68.20	-18.78	peak

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5745 TX RSE
Note : 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line Limit	Over Remark
					dB	dB/m	dB	dBuV
MHz	dB	dB/m	dB	dBuV	dBuV/m	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 11490.000	11.62	37.90	37.86	39.06	50.72	74.00	-23.28	peak
6 17235.000	14.09	42.74	40.28	33.03	49.58	68.20	-18.62	peak

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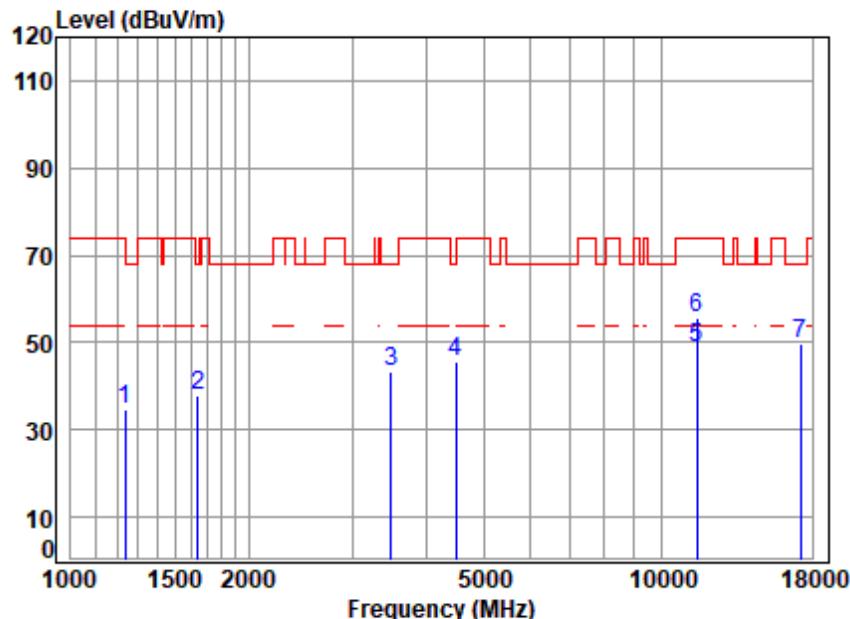
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Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5745 TX RSE
Note : 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line	Over Limit	Remark
					dB	dB/m	dB	dBuV/m	dBuV/m
MHz	dB	dB/m	dB	dBuV	dBuV/m	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 11490.000	11.62	37.90	37.86	37.37	49.03	54.00	-4.97	Average	
6 11490.000	11.62	37.90	37.86	43.90	55.56	74.00	-18.44	peak	
7 17235.000	14.09	42.74	40.28	33.04	49.59	68.20	-18.61	peak	

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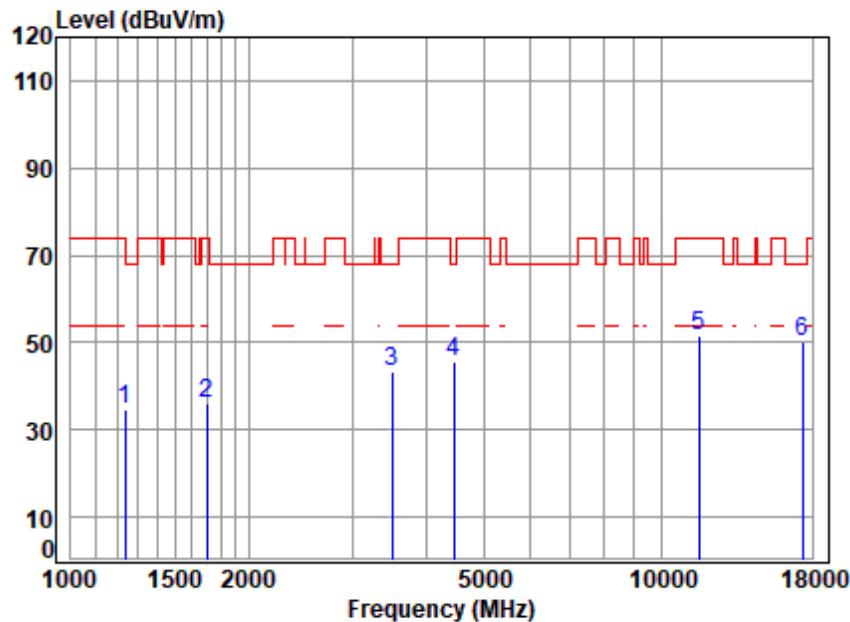
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Test Mode: 05; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5785 TX RSE
Note : 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line Limit	Over Remark	
					dB	dB/m	dB	dBuV	dBuV/m
MHz									
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	11570.000	11.72	37.87	37.90	40.02	51.71	74.00	-22.29	peak
6	17355.000	14.06	42.81	40.25	33.66	50.28	68.20	-17.92	peak

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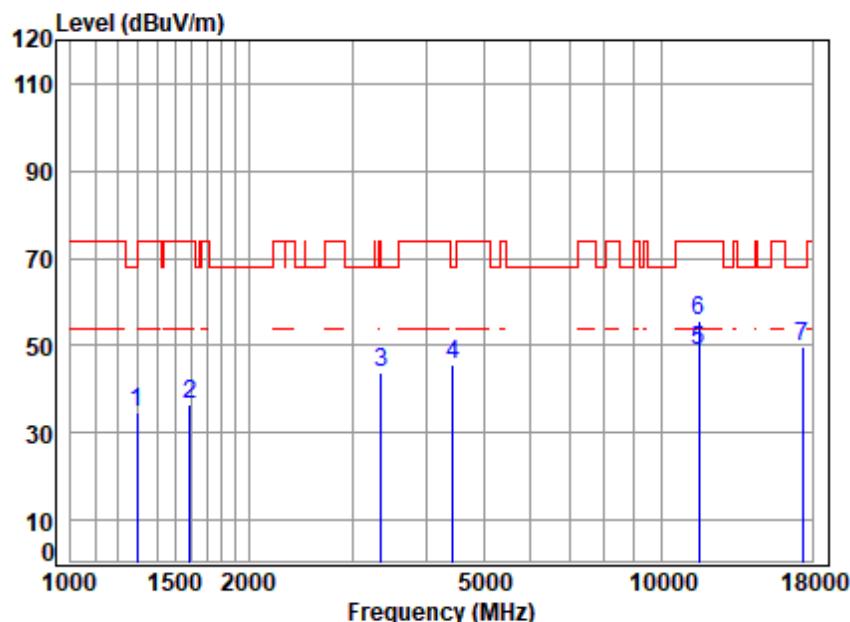
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Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:middle



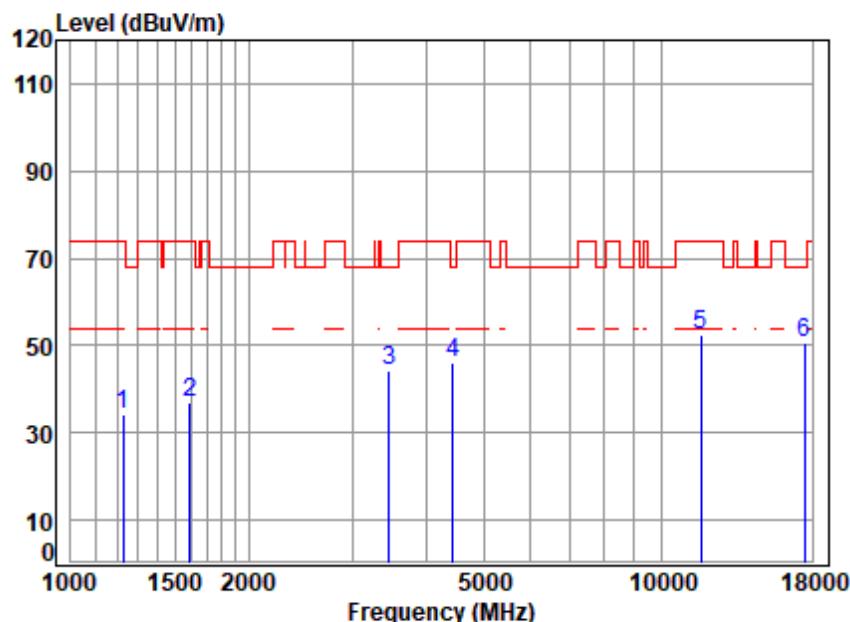
Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5785 TX RSE
Note : 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line	Over Limit	Remark
					dB	dB/m	dB	dBuV/m	dBuV/m
MHz	dB	dB/m	dB	dBuV	dBuV/m	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 11570.000	11.72	37.87	37.90	37.24	48.93	54.00	-5.07	Average	
6 11570.000	11.72	37.87	37.90	43.91	55.60	74.00	-18.40	peak	
7 17355.000	14.06	42.81	40.25	33.21	49.83	68.20	-18.37	peak	

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5825 TX RSE
Note : 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line	Over Limit	Remark
					dB	dBuV			
MHz	dB	dB/m	dB	dBuV	dBuV/m	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 11650.000	11.82	37.84	37.94	40.55	52.27	74.00	-21.73	peak	
6 17475.000	14.02	42.89	40.23	34.12	50.80	68.20	-17.40	peak	

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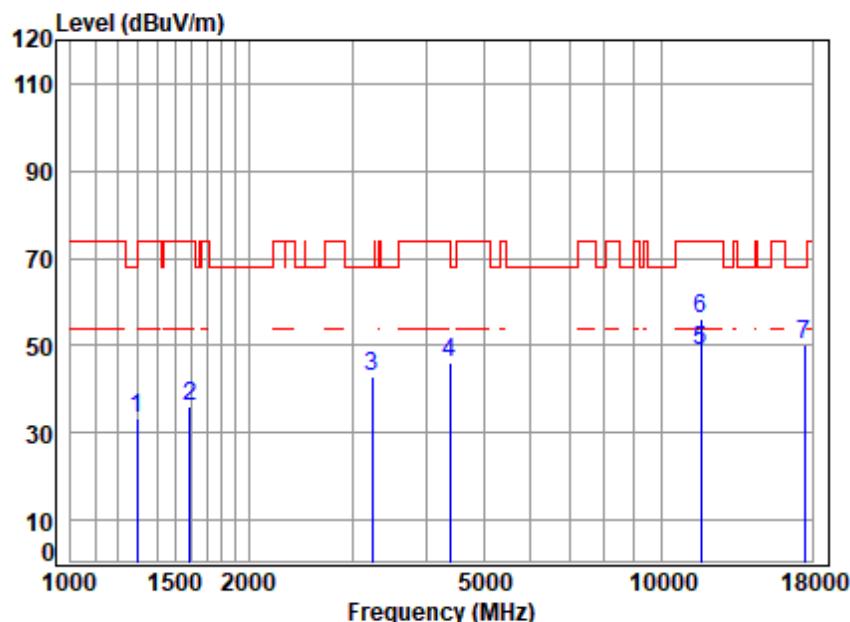
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Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



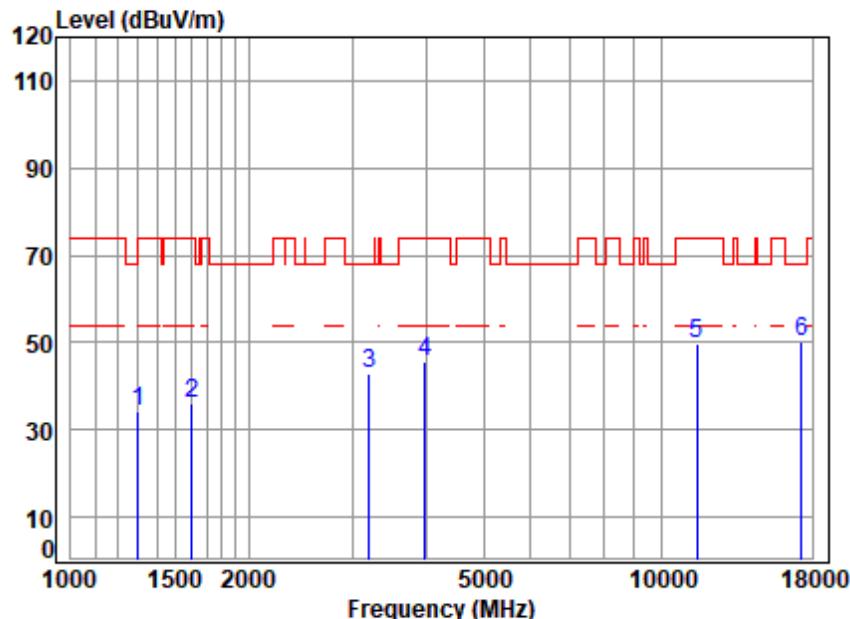
Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5825 TX RSE
Note : 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line	Over Limit	Remark
					dB	dB/m	dB	dBuV/m	dBuV/m
MHz	dB	dB/m	dB	dBuV	dBuV/m	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 11650.000	11.82	37.84	37.94	37.24	48.96	54.00	-5.04	Average	
6 11650.000	11.82	37.84	37.94	44.19	55.91	74.00	-18.09	peak	
7 17475.000	14.02	42.89	40.23	33.58	50.26	68.20	-17.94	peak	

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5755 TX RSE
Note : 5G WIFI 11AC40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line	Over Limit	Remark
					dB	dB/m	dB	dBuV	dBuV/m
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dBuV/m	dB	
1 1300.858	2.94	25.03	39.83	46.05	34.19	74.00	-39.81	peak	
2 1606.441	3.35	26.28	40.01	46.26	35.88	74.00	-38.12	peak	
3 3205.345	5.14	31.24	40.86	47.53	43.05	68.20	-25.15	peak	
4 3981.257	6.25	32.66	41.39	47.94	45.46	74.00	-28.54	peak	
5 11510.000	11.64	37.90	37.87	37.98	49.65	74.00	-24.35	peak	
6 17265.000	14.08	42.76	40.28	33.60	50.16	68.20	-18.04	peak	

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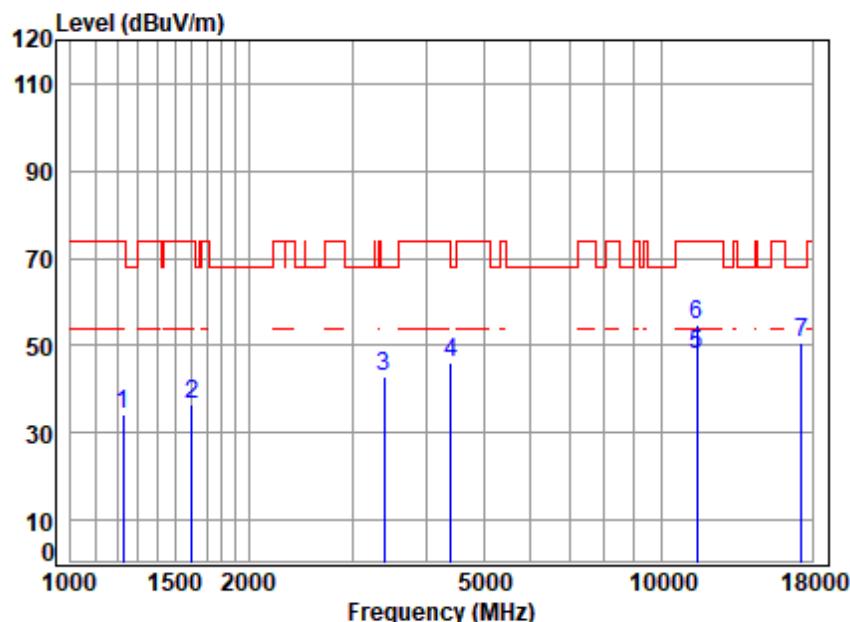
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Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5755 TX RSE
Note : 5G WIFI 11AC40

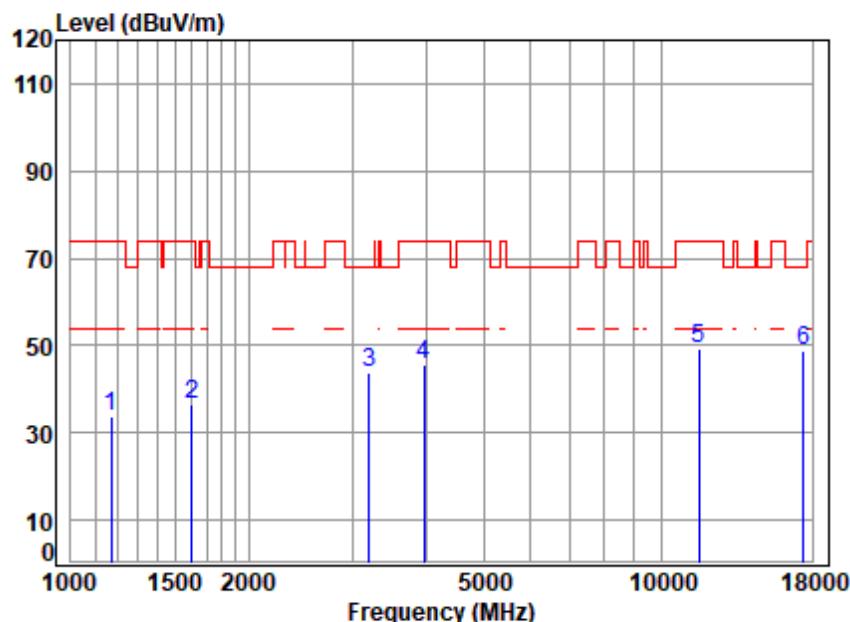
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark	
								MHz	dB
1	1227.791	2.82	24.71	39.78	46.66	34.41	74.00	-39.59	peak
2	1601.804	3.35	26.26	40.01	46.71	36.31	74.00	-37.69	peak
3	3396.098	5.39	31.54	41.00	47.04	42.97	68.20	-25.23	peak
4	4405.090	6.67	33.44	41.79	47.83	46.15	68.20	-22.05	peak
5	11510.000	11.64	37.90	37.87	36.38	48.05	54.00	-5.95	Average
6	11510.000	11.64	37.90	37.87	43.23	54.90	74.00	-19.10	peak
7	17265.000	14.08	42.76	40.28	34.27	50.83	68.20	-17.37	peak



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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5795 TX RSE
Note : 5G WIFI 11AC40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line Limit	Over Remark
					dB	dBuV	dBuV/m	dBuV/m
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dBuV/m	dB
1 1168.920	2.71	24.45	39.74	46.35	33.77	74.00	-40.23	peak
2 1601.804	3.35	26.26	40.01	46.69	36.29	74.00	-37.71	peak
3 3196.094	5.13	31.23	40.85	48.13	43.64	68.20	-24.56	peak
4 3958.309	6.22	32.62	41.37	48.01	45.48	74.00	-28.52	peak
5 11590.000	11.74	37.86	37.91	37.73	49.42	74.00	-24.58	peak
6 17385.000	14.05	42.83	40.25	32.37	49.00	68.20	-19.20	peak

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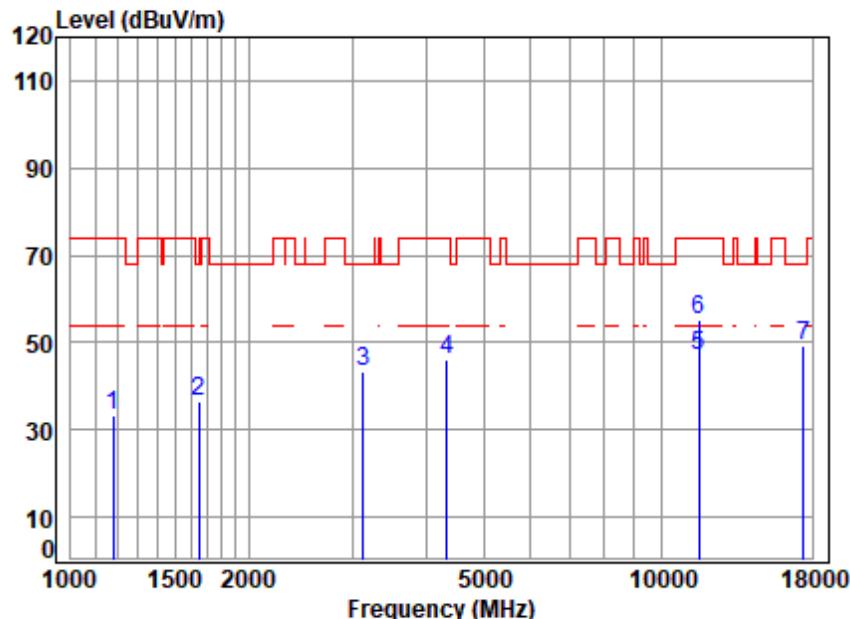
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Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5795 TX RSE
Note : 5G WIFI 11AC40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark	
								MHz	dB
1 1179.100	2.73	24.49	39.74	45.79	33.27	74.00	-40.73	peak	
2 1648.778	3.39	26.46	40.03	46.47	36.29	68.20	-31.91	peak	
3 3132.079	5.04	31.12	40.80	47.90	43.26	68.20	-24.94	peak	
4 4341.886	6.61	33.33	41.73	47.81	46.02	74.00	-27.98	peak	
5 11590.000	11.74	37.86	37.91	35.36	47.05	54.00	-6.95	Average	
6 11590.000	11.74	37.86	37.91	43.37	55.06	74.00	-18.94	peak	
7 17385.000	14.05	42.83	40.25	32.83	49.46	68.20	-18.74	peak	

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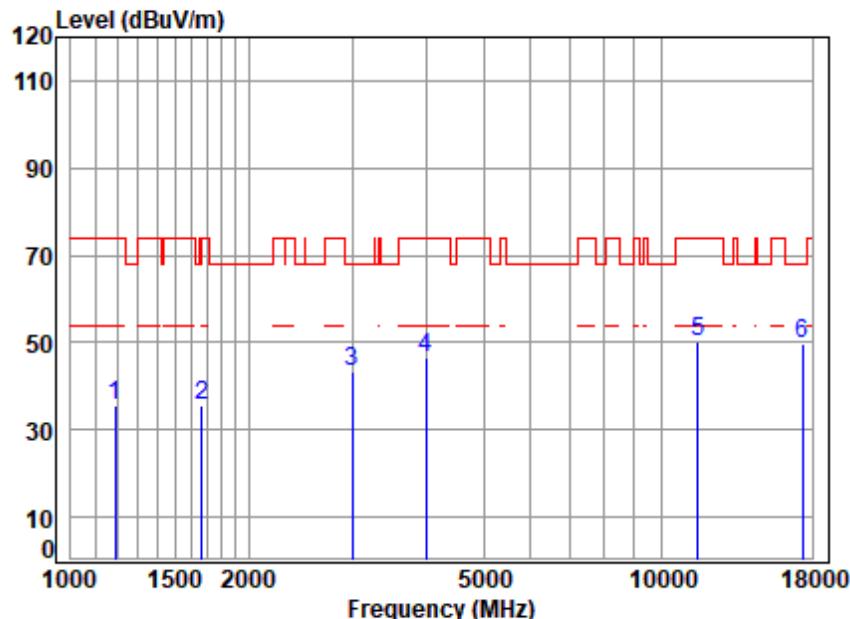
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Test Mode: 05; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5775 TX RSE
Note : 5G WIFI 11AC80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Limit	Remark	
					dB	dB/m	dB	dBuV	dBuV/m
MHz									
1	1189.368	2.74	24.54	39.75	48.25	35.78	74.00	-38.22	peak
2	1667.951	3.40	26.54	40.04	45.88	35.78	74.00	-38.22	peak
3	2999.187	4.86	30.90	40.70	48.15	43.21	68.20	-24.99	peak
4	3992.781	6.27	32.69	41.40	49.03	46.59	74.00	-27.41	peak
5	11550.000	11.69	37.88	37.89	38.48	50.16	74.00	-23.84	peak
6	17325.000	14.07	42.80	40.26	33.25	49.86	68.20	-18.34	peak

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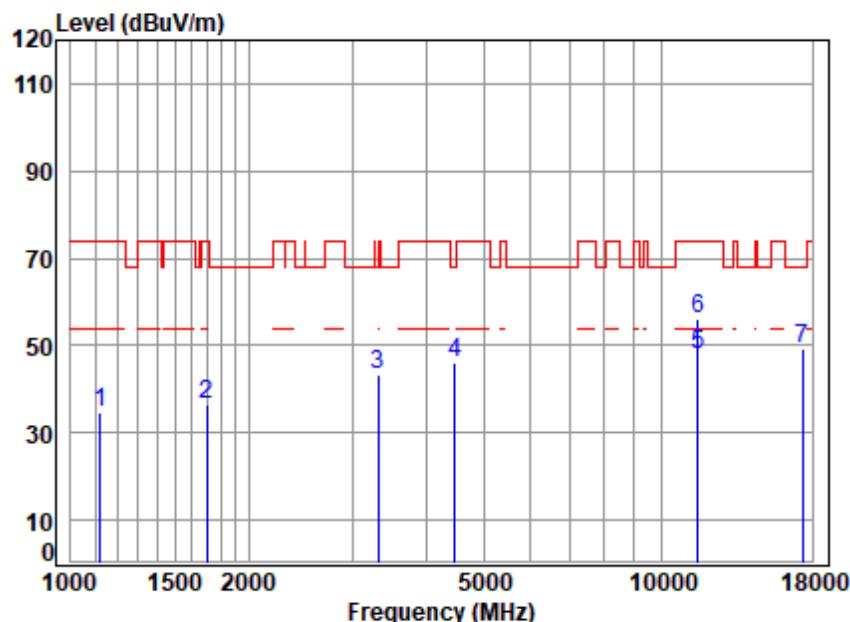
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Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5775 TX RSE
Note : 5G WIFI 11AC80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line	Over Limit	Remark
					dB	dB/m	dB	dBuV	dBuV/m
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dBuV/m	dB	
1 1122.563	2.62	24.23	39.70	47.41	34.56	74.00	74.00	-39.44	peak
2 1697.129	3.43	26.66	40.06	46.53	36.56	74.00	74.00	-37.44	peak
3 3318.471	5.29	31.42	40.95	47.42	43.18	68.20	68.20	-25.02	peak
4 4469.214	6.73	33.55	41.85	47.88	46.31	68.20	68.20	-21.89	peak
5 11550.000	11.69	37.88	37.89	36.24	47.92	54.00	54.00	-6.08	Average
6 11550.000	11.69	37.88	37.89	44.23	55.91	74.00	74.00	-18.09	peak
7 17325.000	14.07	42.80	40.26	32.49	49.10	68.20	68.20	-19.10	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 IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE

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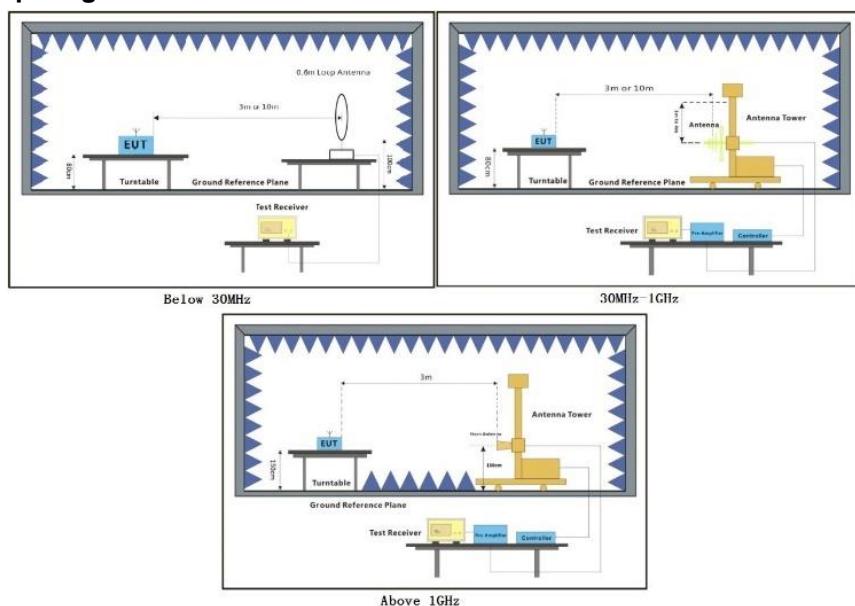


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		802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-2A)_Keep the EUT in continuously 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.

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.

Remark1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Remark2:

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.



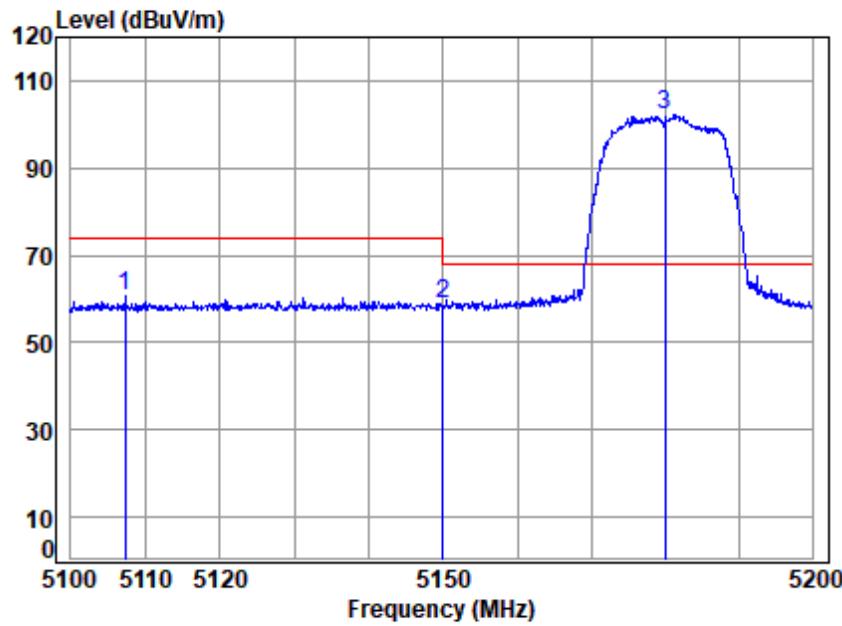
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5180 Band edge
: 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1	5107.234	7.50	34.29	42.31	61.17	60.65	74.00	-13.35 peak
2	5149.980	7.57	34.32	42.32	59.13	58.70	74.00	-15.30 peak
3 *	5180.000	7.63	34.35	42.32	102.69	102.35	68.20	34.15 peak

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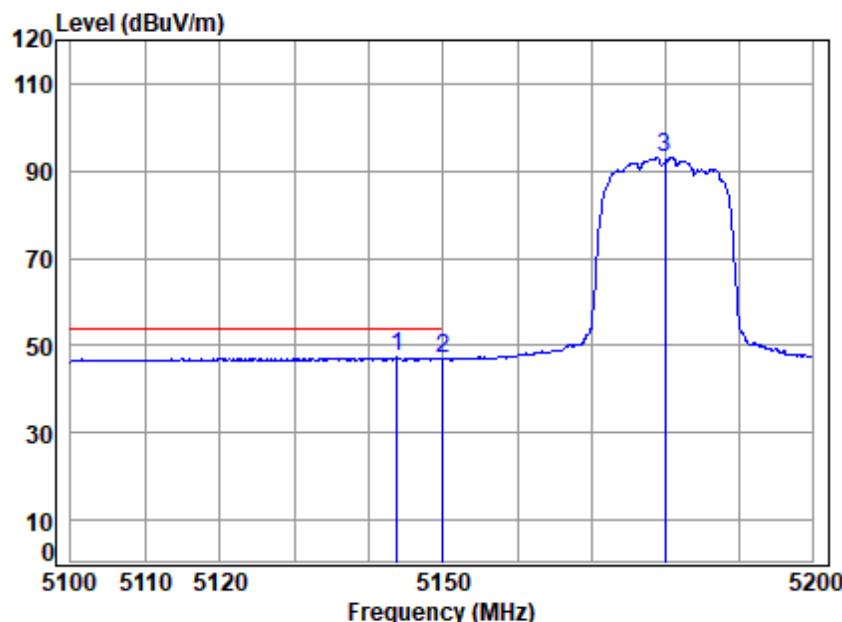
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



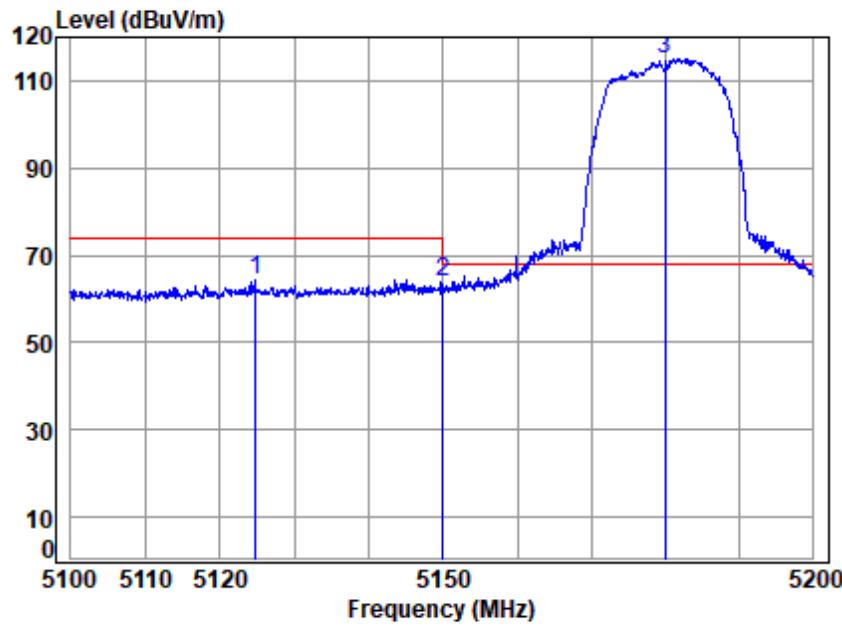
Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5180 Band edge
: 5G WIFI 11A

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark		
	MHz	Loss	Factor	Factor	Level	Level	Line	Limit	
1	5143.761	7.56	34.32	42.32	47.67	47.23	54.00	-6.77	Average
2	5149.980	7.57	34.32	42.32	47.44	47.01	54.00	-6.99	Average
3	5180.000	7.63	34.35	42.32	93.62	93.28	-----	-----	Average



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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5180 Band edge
: 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1	5124.719	7.53	34.30	42.31	64.84	64.36	74.00	-9.64 Peak
2	5149.980	7.57	34.32	42.32	64.34	63.91	74.00	-10.09 Peak
3 *	5180.000	7.63	34.35	42.32	115.46	115.12	68.20	46.92 Peak

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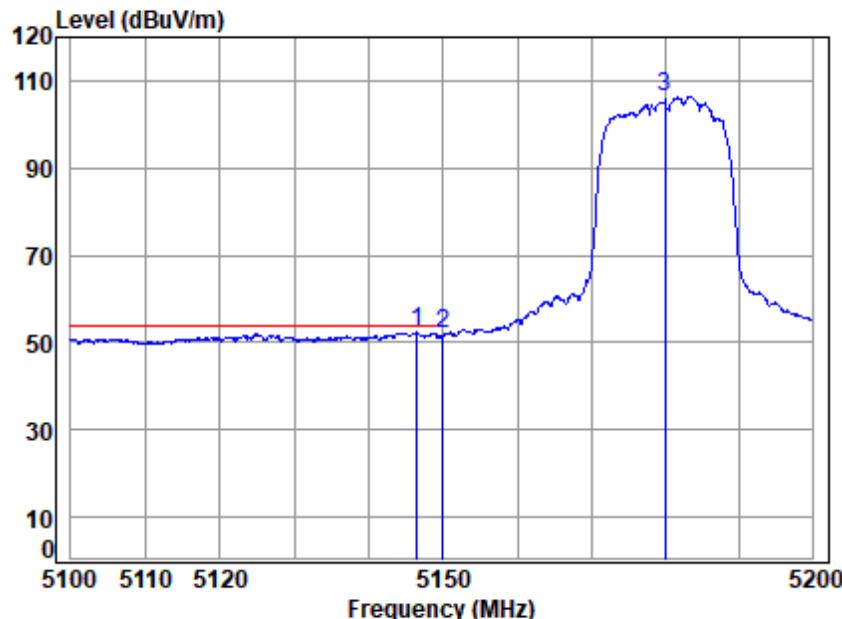
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Test Mode: 02; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5180 Band edge
: 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1	5146.458	7.57	34.32	42.32	52.74	52.31	54.00	-1.69 Average
2	5149.980	7.57	34.32	42.32	52.35	51.92	54.00	-2.08 Average
3	5180.000	7.63	34.35	42.32	106.75	106.41	-----	----- Average

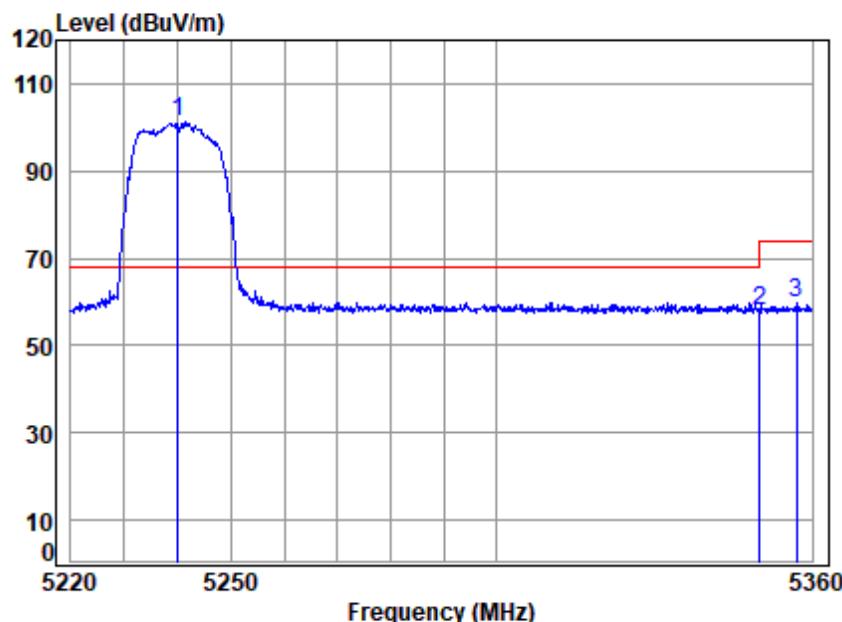
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5240 Band edge
: 5G WIFI 11A

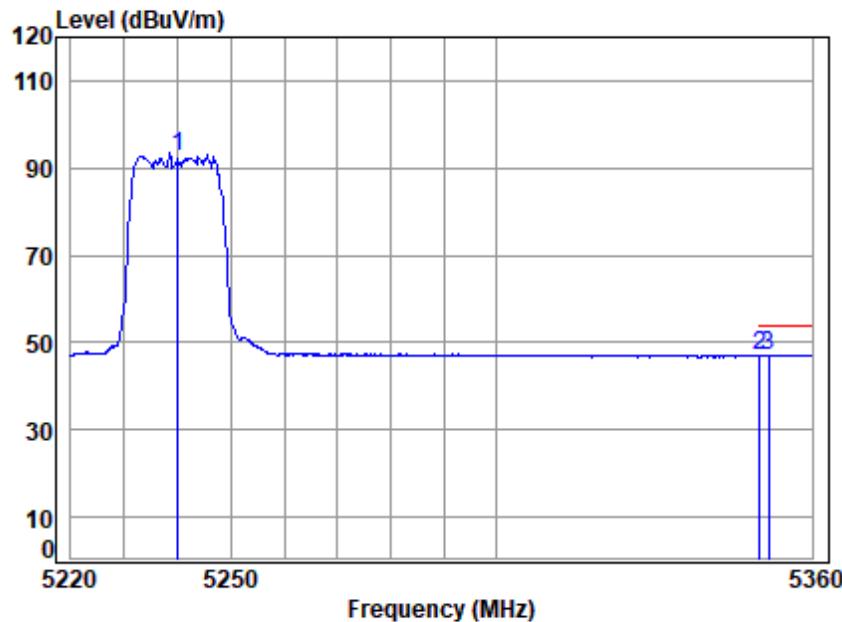
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1 * 5240.000	7.73	34.40	42.33	101.33	101.13	68.20	32.93	peak
2 5350.020	7.92	34.48	42.34	57.94	58.00	74.00	-16.00	peak
3 5357.022	7.94	34.49	42.34	59.50	59.59	74.00	-14.41	peak

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5240 Band edge
: 5G WIFI 11A

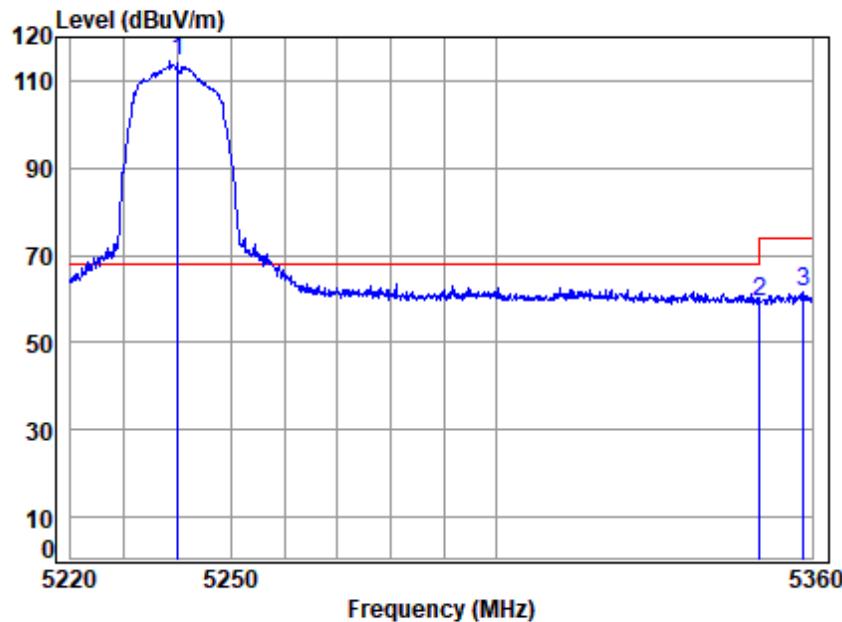
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1	5240.000	7.73	34.40	42.33	92.86	92.66	-----	Average
2	5350.020	7.92	34.48	42.34	46.84	46.90	54.00	-7.10 Average
3	5351.778	7.93	34.49	42.34	46.98	47.06	54.00	-6.94 Average

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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5240 Band edge
: 5G WIFI 11A

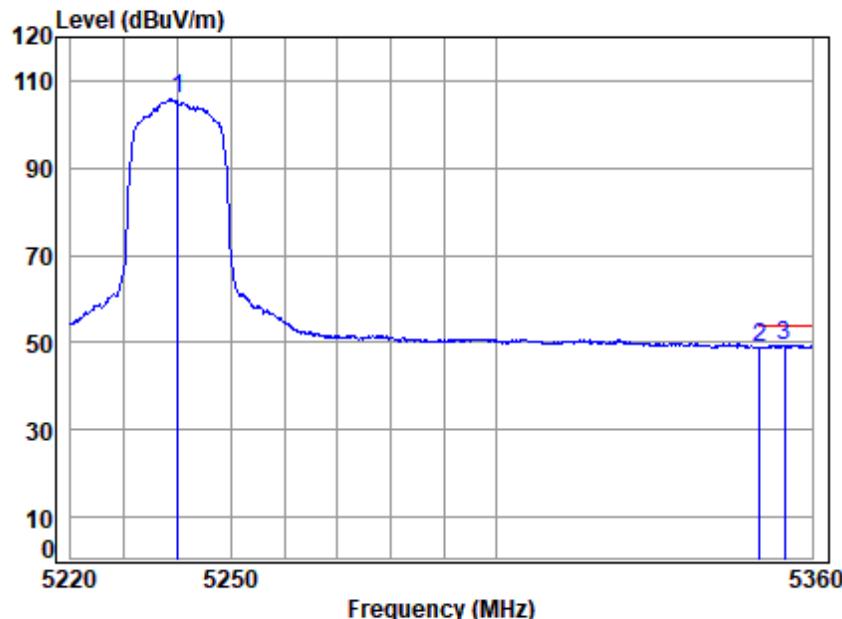
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1 * 5240.000	7.73	34.40	42.33	114.56	114.36	68.20	46.16	Peak
2 5350.020	7.92	34.48	42.34	59.38	59.44	74.00	-14.56	Peak
3 5358.298	7.94	34.49	42.34	61.68	61.77	74.00	-12.23	Peak

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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5240 Band edge
: 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1	5240.000	7.73	34.40	42.33	106.14	105.94	-----	Average
2	5350.020	7.92	34.48	42.34	48.63	48.69	54.00	-5.31 Average
3	5354.754	7.93	34.49	42.34	49.39	49.47	54.00	-4.53 Average

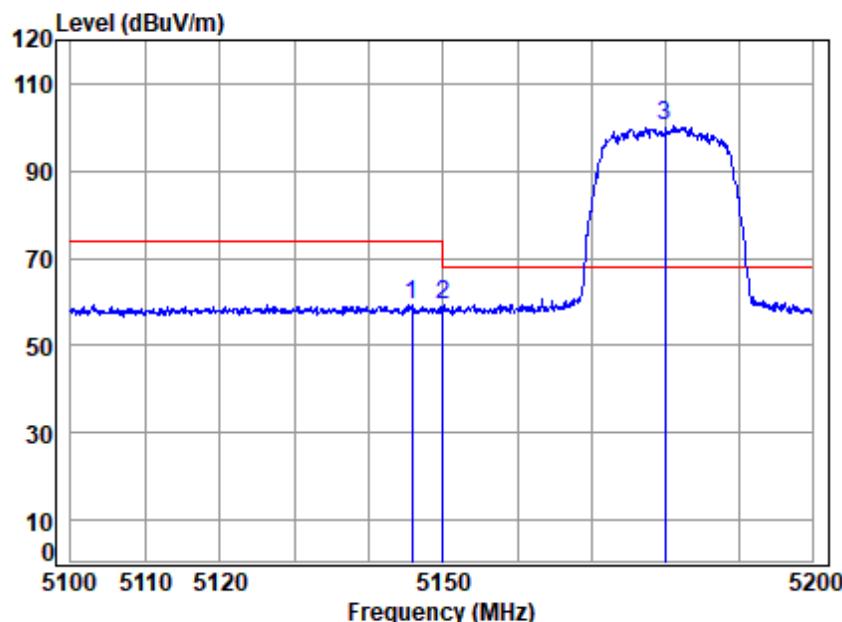


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Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5180 Band edge
: 5G WIFI 11N20

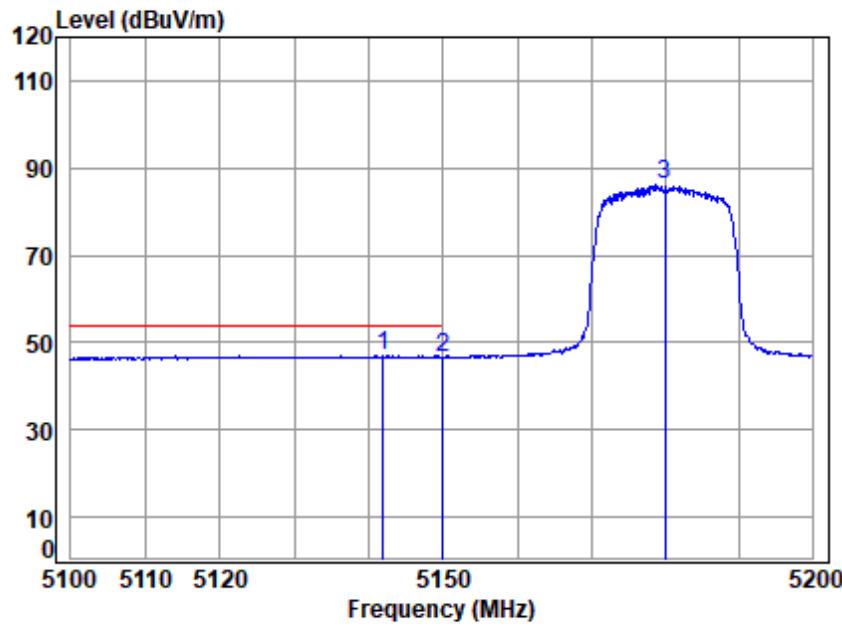
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5145.859	7.57	34.32	42.32	59.86	59.43	74.00	-14.57 peak
2 5149.980	7.57	34.32	42.32	59.66	59.23	74.00	-14.77 peak
3 * 5180.000	7.63	34.35	42.32	100.63	100.29	68.20	32.09 peak

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5180 Band edge
: 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
				dB	dBuV	dBuV/m	dBuV/m	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 5141.863	7.56	34.32	42.32	47.46	47.02	54.00	-6.98	Average
2 5149.980	7.57	34.32	42.32	47.07	46.64	54.00	-7.36	Average
3 5180.000	7.63	34.35	42.32	86.44	86.10	-----	-----	Average

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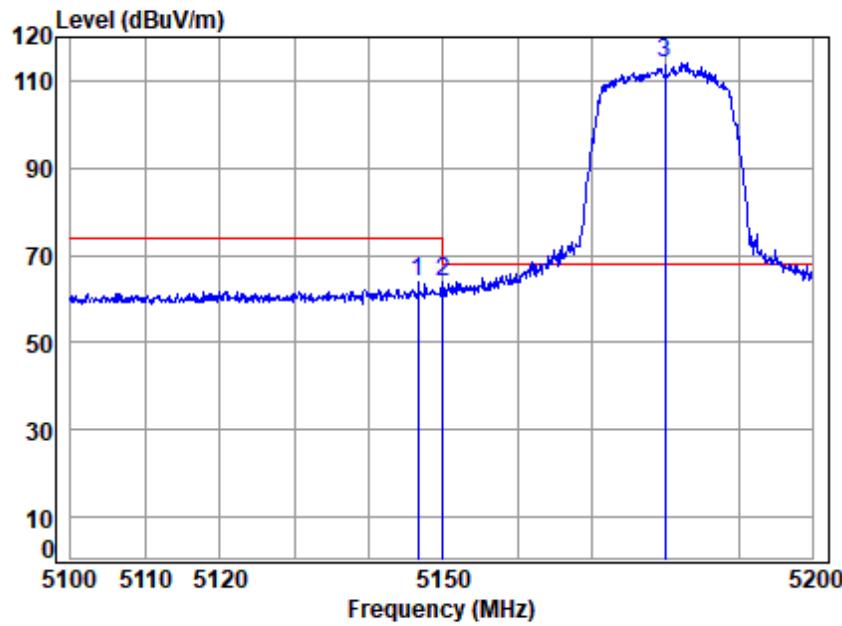
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Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5180 Band edge
: 5G WIFI 11N20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark		
	MHz	Loss	Factor	Factor	Level	Level	Line	Limit	
1	5146.658	7.57	34.32	42.32	64.26	63.83	74.00	-10.17	Peak
2	5149.980	7.57	34.32	42.32	64.11	63.68	74.00	-10.32	Peak
3 *	5180.000	7.63	34.35	42.32	114.27	113.93	68.20	45.73	Peak



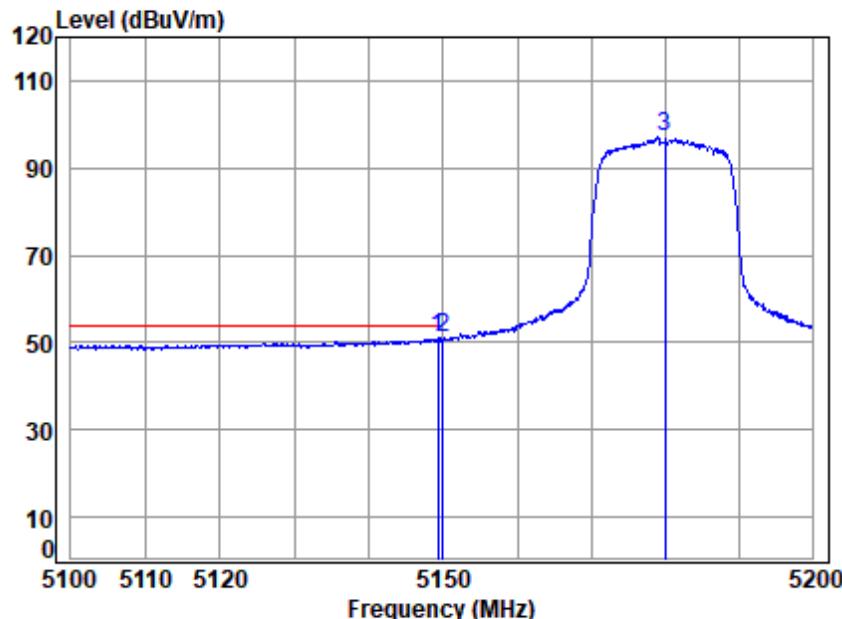
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Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



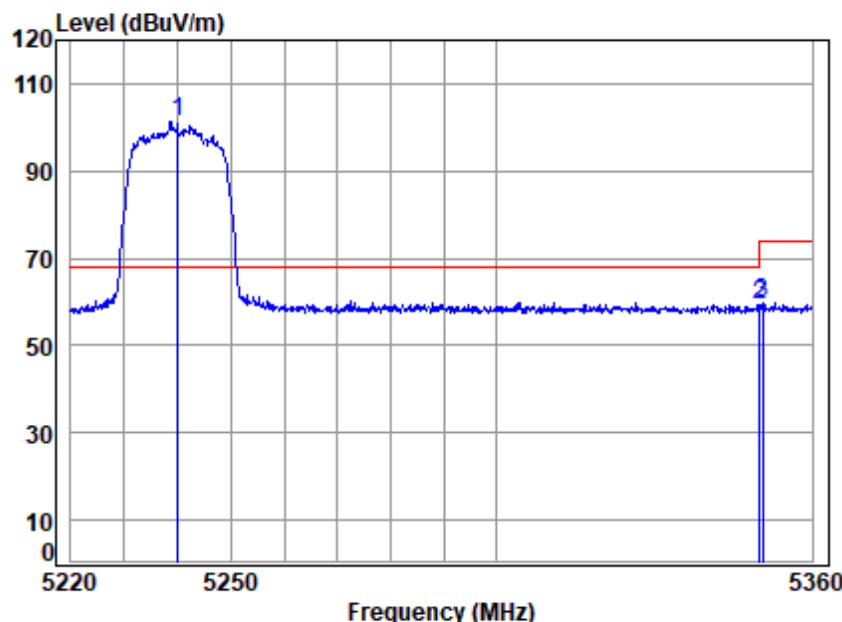
Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5180 Band edge
: 5G WIFI 11N20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark		
	MHz	Loss	Factor	Factor	Level	Level	Line	Limit	
1	5149.257	7.57	34.32	42.32	51.32	50.89	54.00	-3.11	Average
2	5149.980	7.57	34.32	42.32	51.63	51.20	54.00	-2.80	Average
3	5180.000	7.63	34.35	42.32	97.35	97.01	-----	-----	Average

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5240 Band edge
: 5G WIFI 11N20

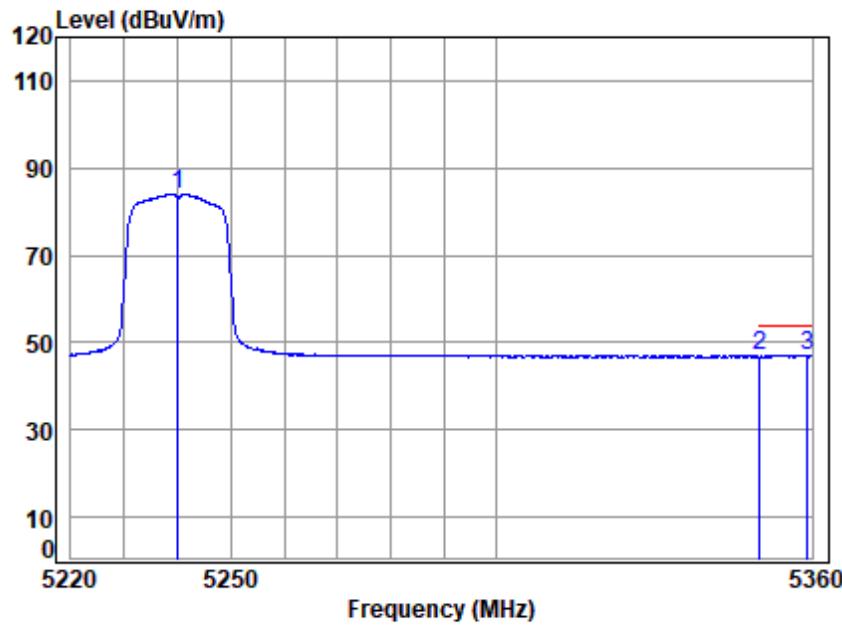
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1 * 5240.000	7.73	34.40	42.33	101.33	101.13	68.20	32.93	peak
2 5350.020	7.92	34.48	42.34	59.08	59.14	74.00	-14.86	peak
3 5350.646	7.93	34.48	42.34	59.63	59.70	74.00	-14.30	peak

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5240 Band edge
: 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
1 5240.000	7.73	34.40	42.33	84.33	84.13	-----	-----	Average
2 5350.020	7.92	34.48	42.34	46.77	46.83	54.00	-7.17	Average
3 5359.149	7.94	34.49	42.34	47.03	47.12	54.00	-6.88	Average



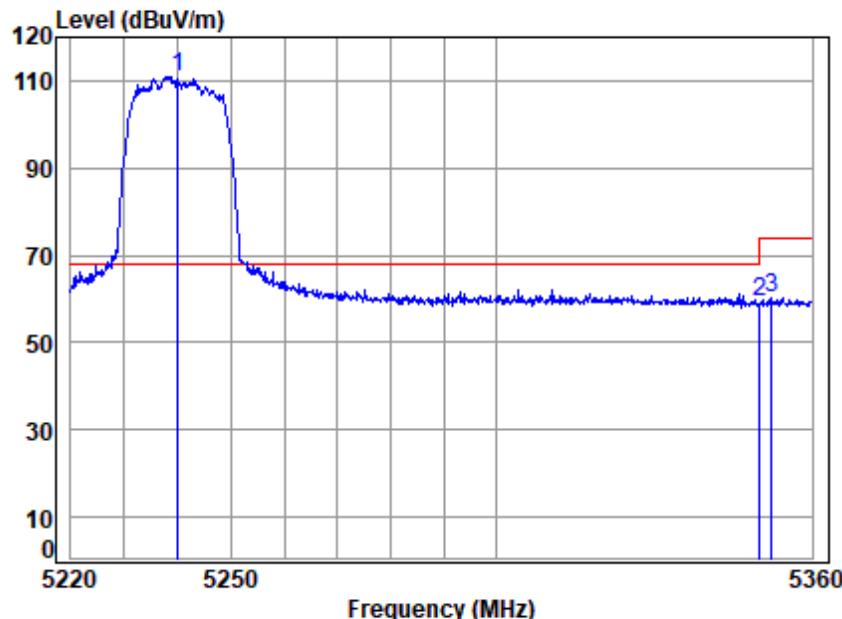
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Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5240 Band edge
: 5G WIFI 11N20

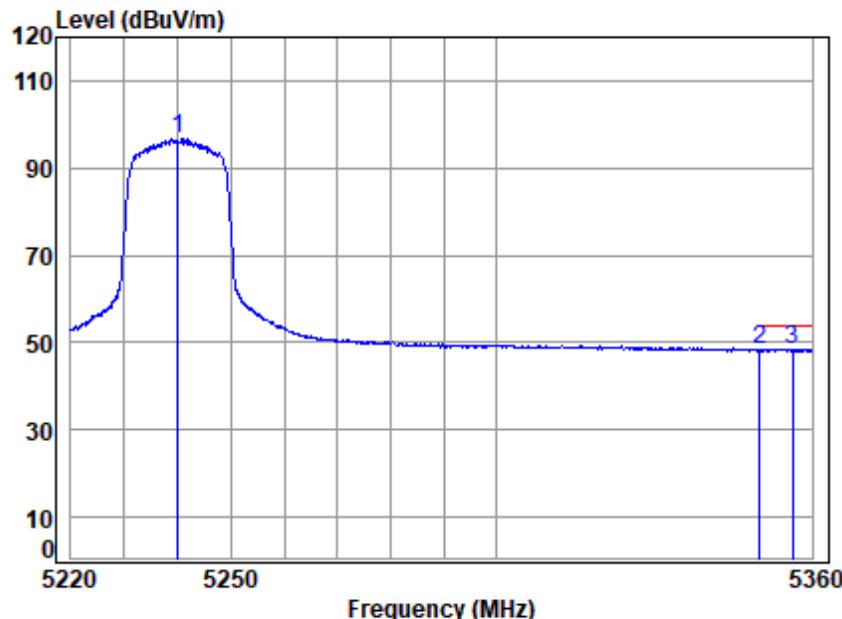
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1 * 5240.000	7.73	34.40	42.33	111.05	110.85	68.20	42.65	Peak
2 5350.020	7.92	34.48	42.34	59.46	59.52	74.00	-14.48	Peak
3 5352.203	7.93	34.49	42.34	60.16	60.24	74.00	-13.76	Peak

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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5240 Band edge
: 5G WIFI 11N20

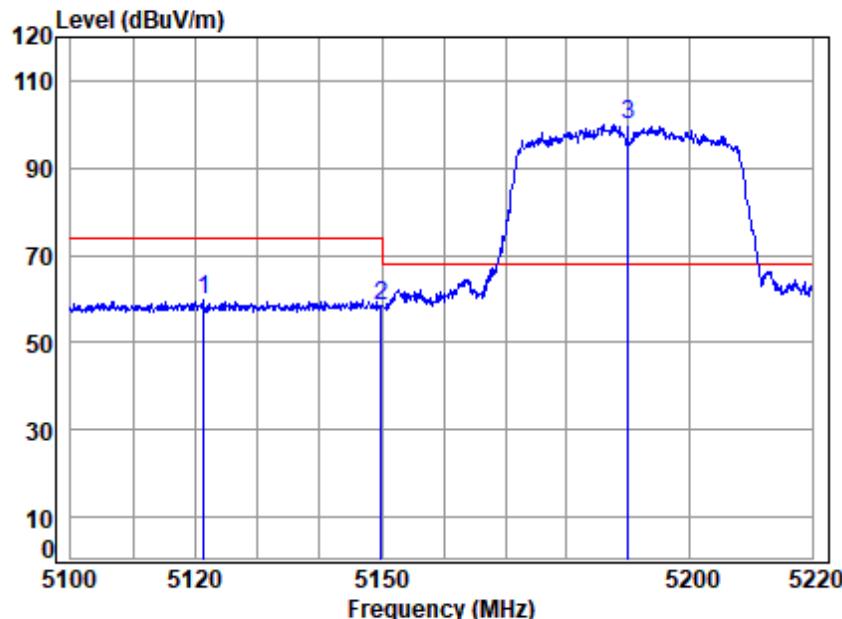
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5240.000	7.73	34.40	42.33	96.82	96.62	-----	Average
2 5350.020	7.92	34.48	42.34	48.10	48.16	54.00	-5.84 Average
3 5356.313	7.94	34.49	42.34	48.43	48.52	54.00	-5.48 Average



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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5190 Band edge
: 5G WIFI 11N40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
1 5121.275	7.52	34.30	42.31	60.28	59.79	74.00	-14.21	peak
2 5149.980	7.57	34.32	42.32	59.03	58.60	74.00	-15.40	peak
3 * 5190.000	7.64	34.36	42.32	100.21	99.89	68.20	31.69	peak



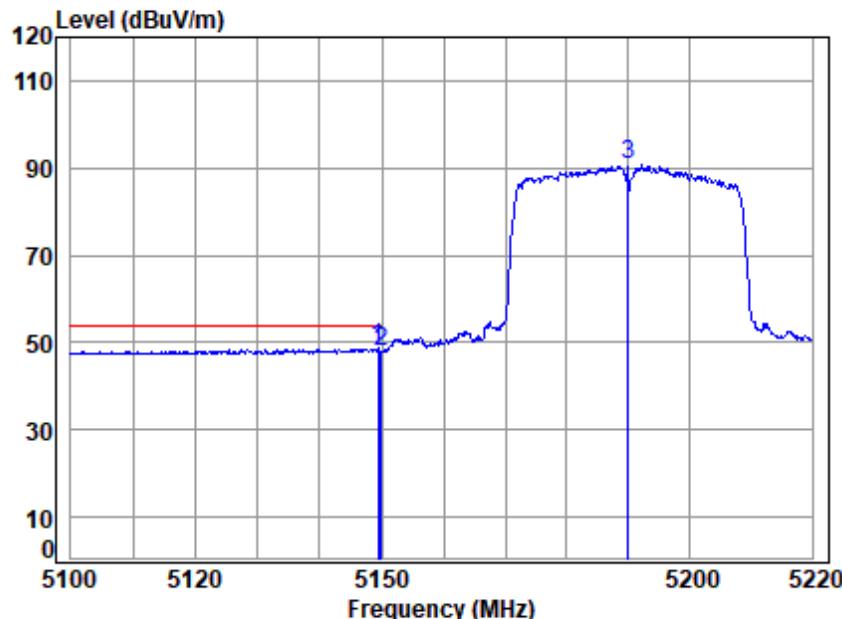
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5190 Band edge
: 5G WIFI 11N40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1 5149.461	7.57	34.32	42.32	49.06	48.63	54.00	-5.37 Average
2 5149.980	7.57	34.32	42.32	48.51	48.08	54.00	-5.92 Average
3 5190.000	7.64	34.36	42.32	91.09	90.77	-----	----- Average

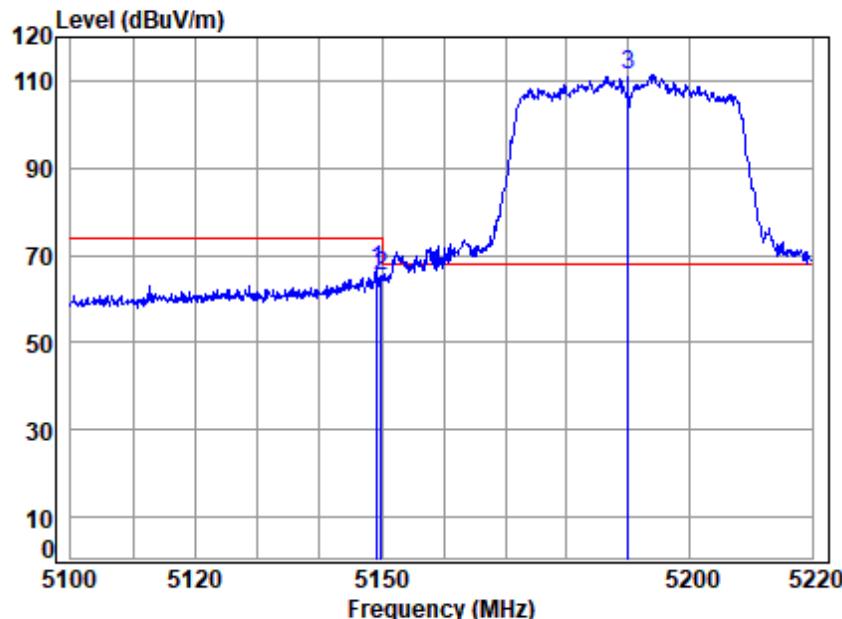


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Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5190 Band edge
: 5G WIFI 11N40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1	5149.342	7.57	34.32	42.32	67.26	66.83	74.00	-7.17 Peak
2	5149.980	7.57	34.32	42.32	65.87	65.44	74.00	-8.56 Peak
3 *	5190.000	7.64	34.36	42.32	111.54	111.22	68.20	43.02 Peak

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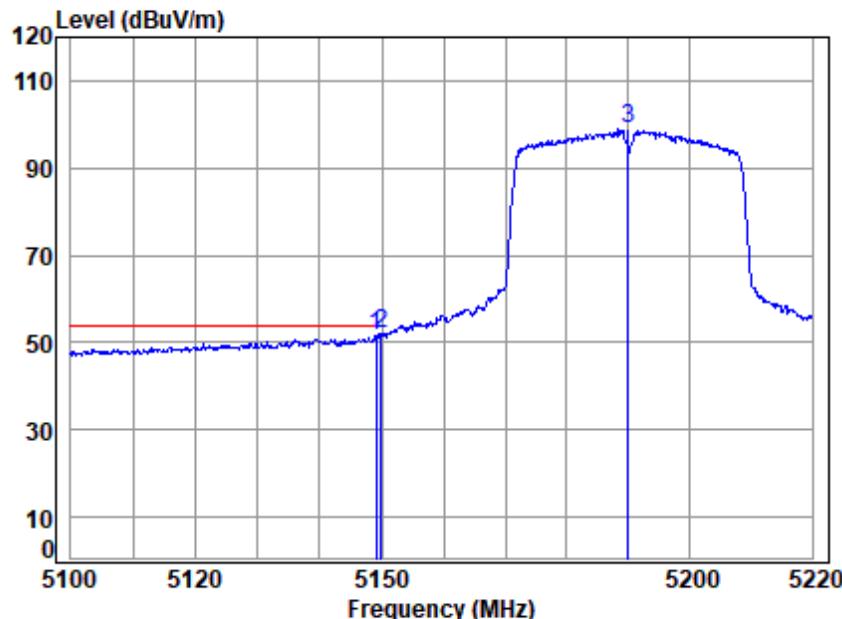
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Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5190 Band edge
: 5G WIFI 11N40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Level	Level	Line		
1	5149.102	7.57	34.32	42.32	52.11	51.68	54.00	-2.32 Average
2	5149.980	7.57	34.32	42.32	52.53	52.10	54.00	-1.90 Average
3	5190.000	7.64	34.36	42.32	99.17	98.85	-----	----- Average



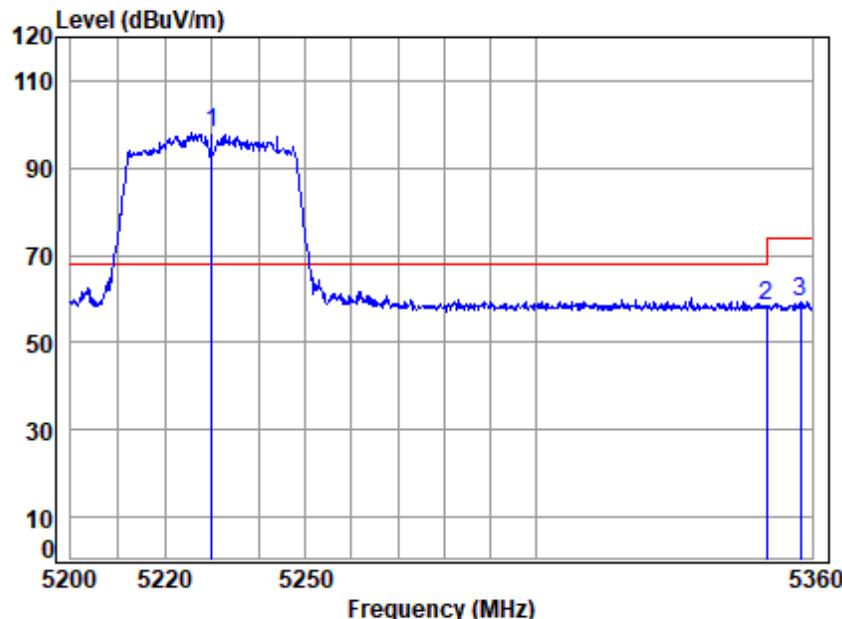
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5230 Band edge
: 5G WIFI 11N40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1 * 5230.000	7.72	34.39	42.32	98.20	97.99	68.20	29.79	peak
2 5350.020	7.92	34.48	42.34	58.54	58.60	74.00	-15.40	peak
3 5357.402	7.94	34.49	42.34	59.41	59.50	74.00	-14.50	peak

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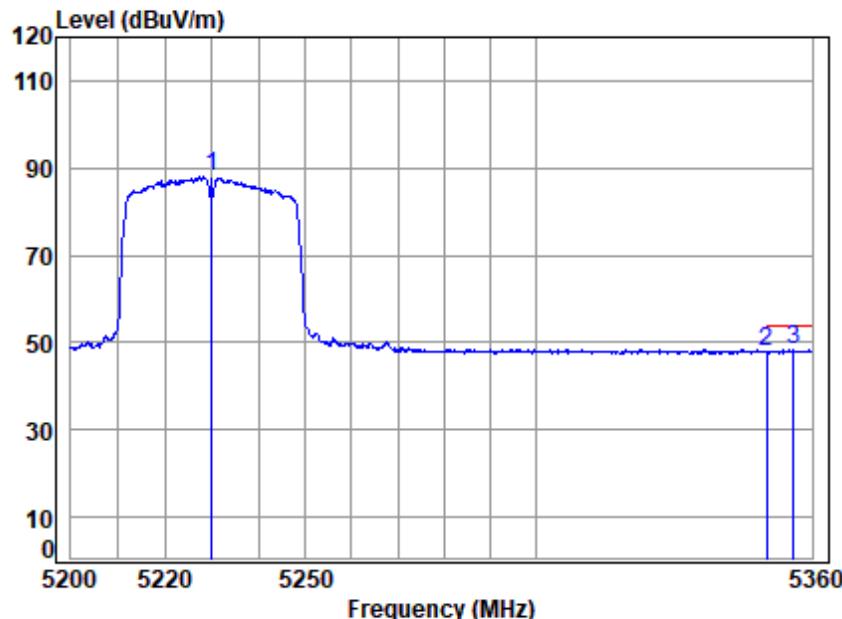
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5230 Band edge
: 5G WIFI 11N40

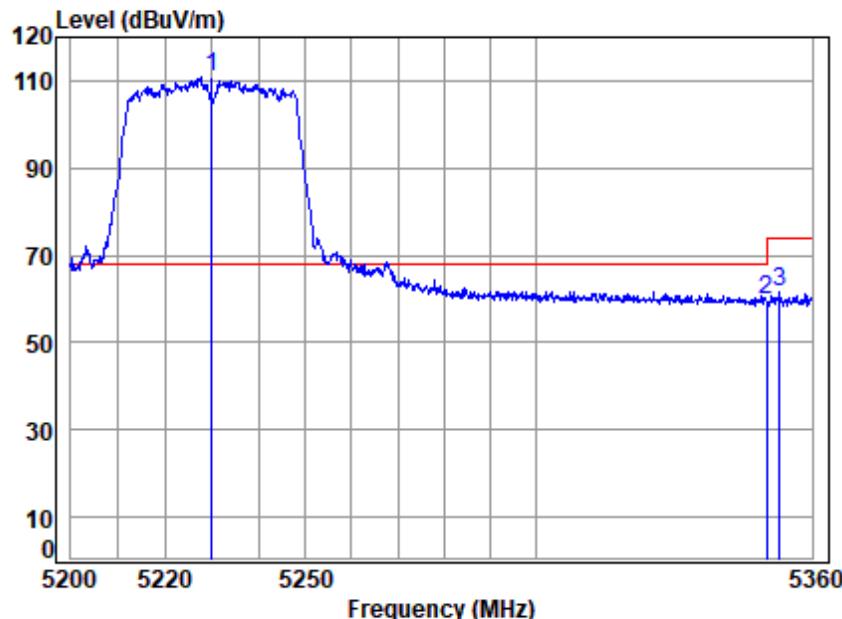
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5230.000	7.72	34.39	42.32	88.24	88.03	-----	Average
2 5350.020	7.92	34.48	42.34	48.07	48.13	54.00	-5.87 Average
3 5355.940	7.93	34.49	42.34	48.13	48.21	54.00	-5.79 Average



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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5230 Band edge
: 5G WIFI 11N40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1 * 5230.000	7.72	34.39	42.32	111.28	111.07	68.20	42.87	Peak
2 5350.020	7.92	34.48	42.34	59.52	59.58	74.00	-14.42	Peak
3 5352.857	7.93	34.49	42.34	61.45	61.53	74.00	-12.47	Peak

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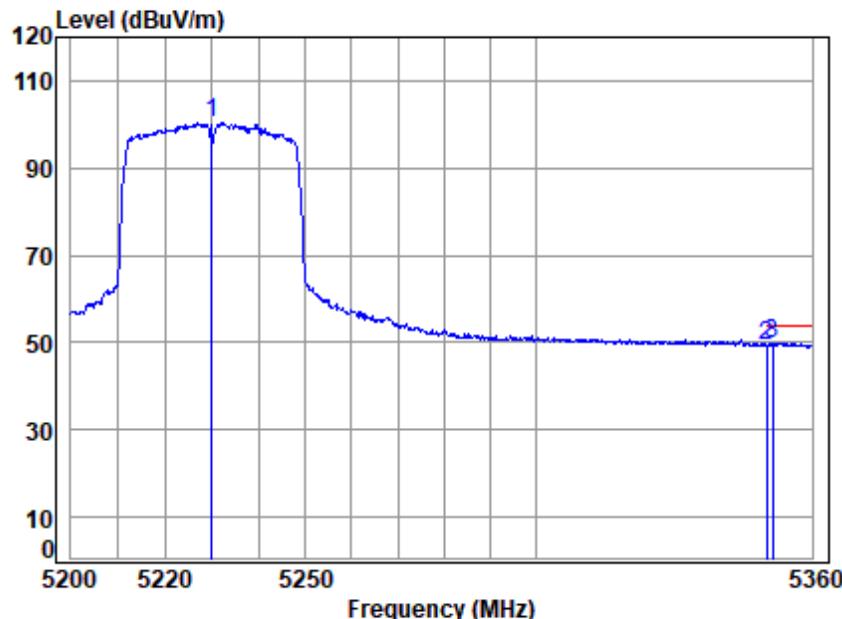
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Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



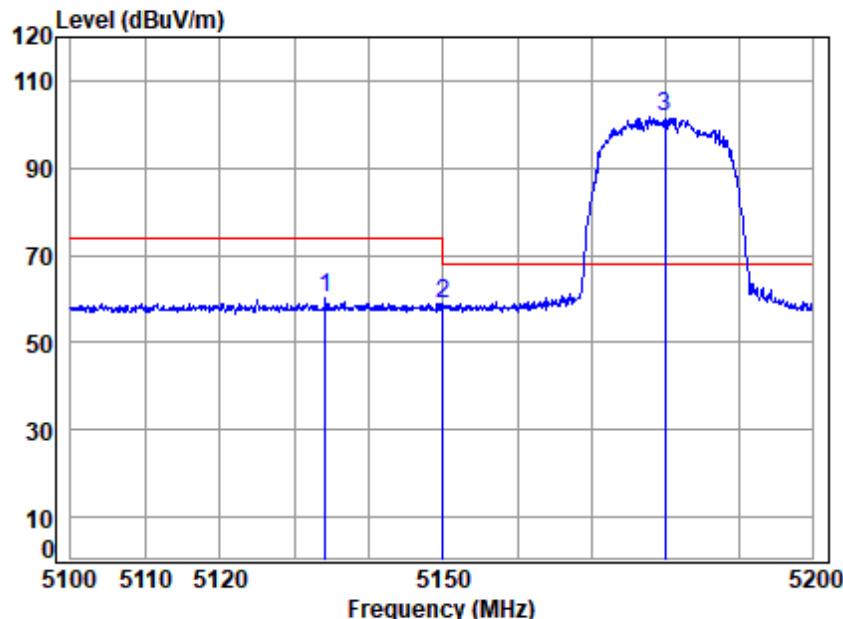
Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5230 Band edge
: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5230.000	7.72	34.39	42.32	100.40	100.19	-----	-----	Average
2	5350.020	7.92	34.48	42.34	49.41	49.47	54.00	-4.53	Average
3	5351.398	7.93	34.49	42.34	49.67	49.75	54.00	-4.25	Average

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



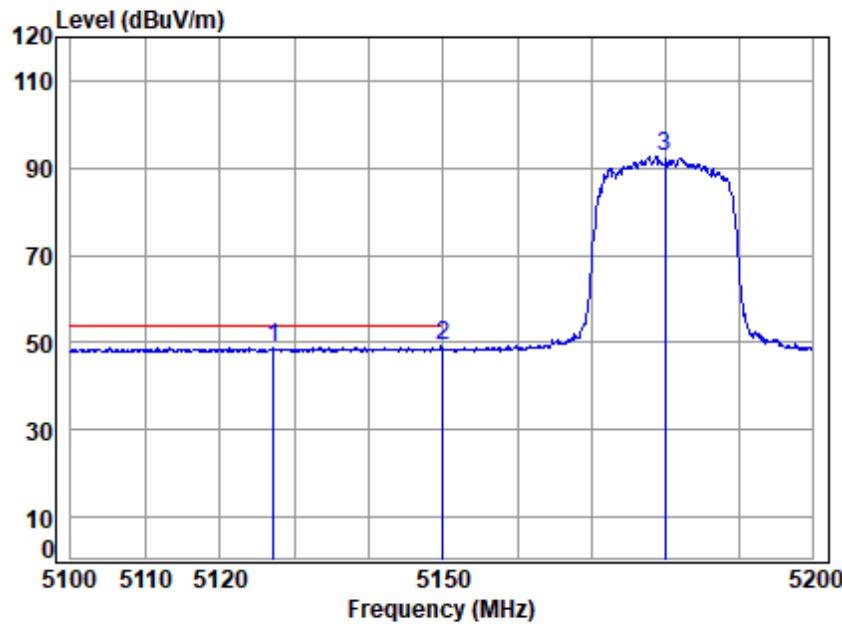
Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5180 Band edge
: 5G WTFET 11AC20

		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	5134.181	7.54	34.31	42.31	60.85	60.39	74.00	-13.61	peak
2	5149.980	7.57	34.32	42.32	59.47	59.04	74.00	-14.96	peak
3 *	5180.000	7.63	34.35	42.32	102.10	101.76	68.20	33.56	peak

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



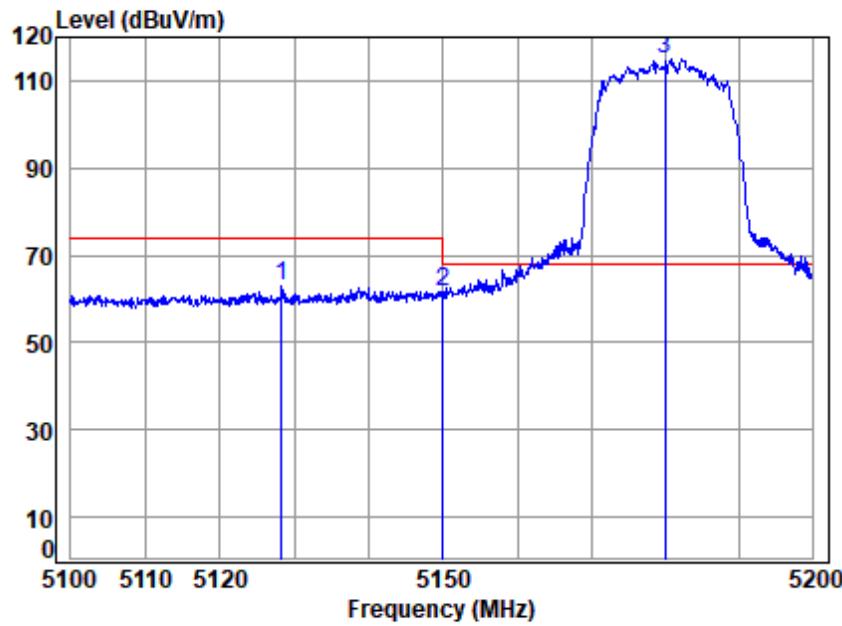
Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5180 Band edge
: 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit	Over	Remark	
				Level	Level	Line		
MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1 5127.207	7.53	34.31	42.31	49.45	48.98	54.00	-5.02	Average
2 5149.980	7.57	34.32	42.32	49.50	49.07	54.00	-4.93	Average
3 5180.000	7.63	34.35	42.32	93.11	92.77	-----	-----	Average



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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5180 Band edge
: 5G WIFI 11AC20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5128.302	7.53	34.31	42.31	63.22	62.75	74.00	-11.25 Peak
2 5149.980	7.57	34.32	42.32	62.25	61.82	74.00	-12.18 Peak
3 * 5180.000	7.63	34.35	42.32	115.39	115.05	68.20	46.85 Peak

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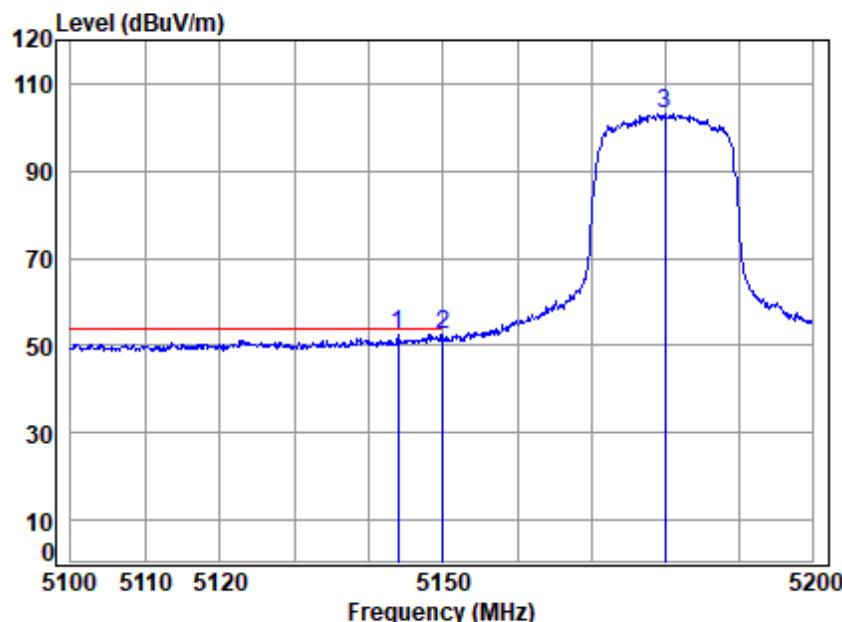
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Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5180 Band edge
: 5G WIFI 11AC20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level	Level	Line		
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5143.861	7.56	34.32	42.32	52.97	52.53	54.00	-1.47 Average
2	5149.980	7.57	34.32	42.32	52.94	52.51	54.00	-1.49 Average
3	5180.000	7.63	34.35	42.32	103.47	103.13	-----	----- Average

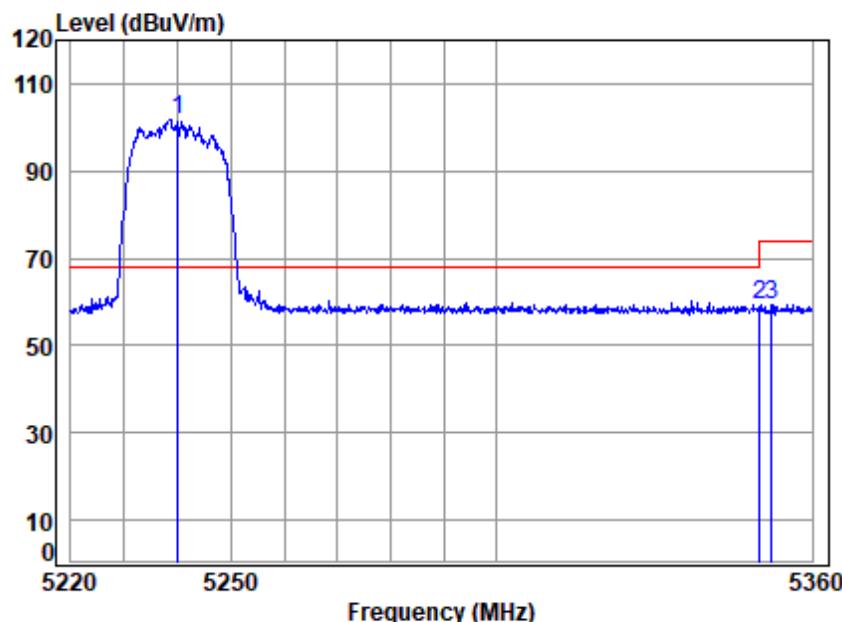


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Shenzhen Branch Inspection & Testing Services Laboratory

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5240 Band edge
: 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1 * 5240.000	7.73	34.40	42.33	102.03	101.83	68.20	33.63	peak
2 5350.020	7.92	34.48	42.34	59.29	59.35	74.00	-14.65	peak
3 5352.345	7.93	34.49	42.34	59.28	59.36	74.00	-14.64	peak

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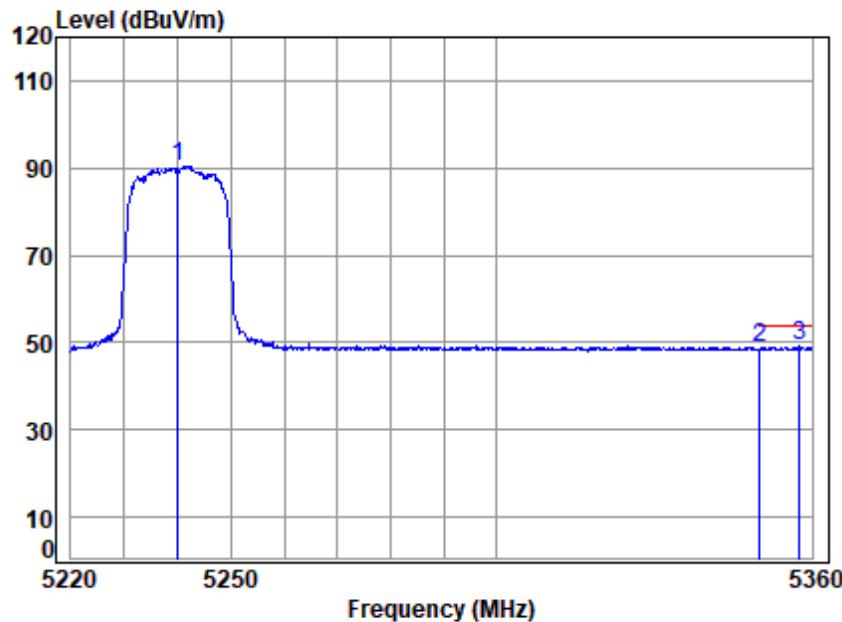
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5240 Band edge
: 5G WIFI 11AC20

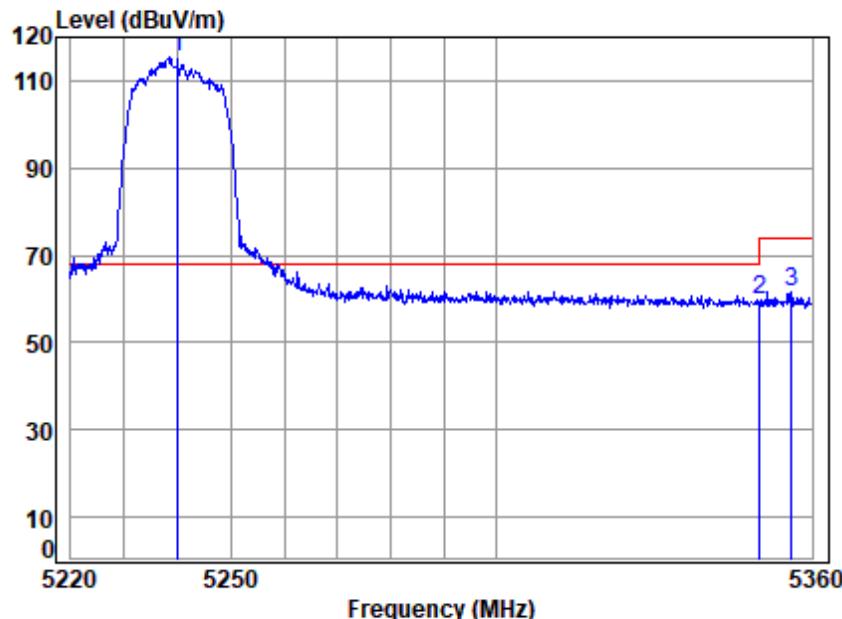
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5240.000	7.73	34.40	42.33	90.64	90.44	-----	----- Average
2 5350.020	7.92	34.48	42.34	48.66	48.72	54.00	-5.28 Average
3 5357.589	7.94	34.49	42.34	49.09	49.18	54.00	-4.82 Average



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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5240 Band edge
: 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1 * 5240.000	7.73	34.40	42.33	115.46	115.26	68.20	47.06	Peak
2 5350.020	7.92	34.48	42.34	59.59	59.65	74.00	-14.35	Peak
3 5356.029	7.94	34.49	42.34	61.64	61.73	74.00	-12.27	Peak

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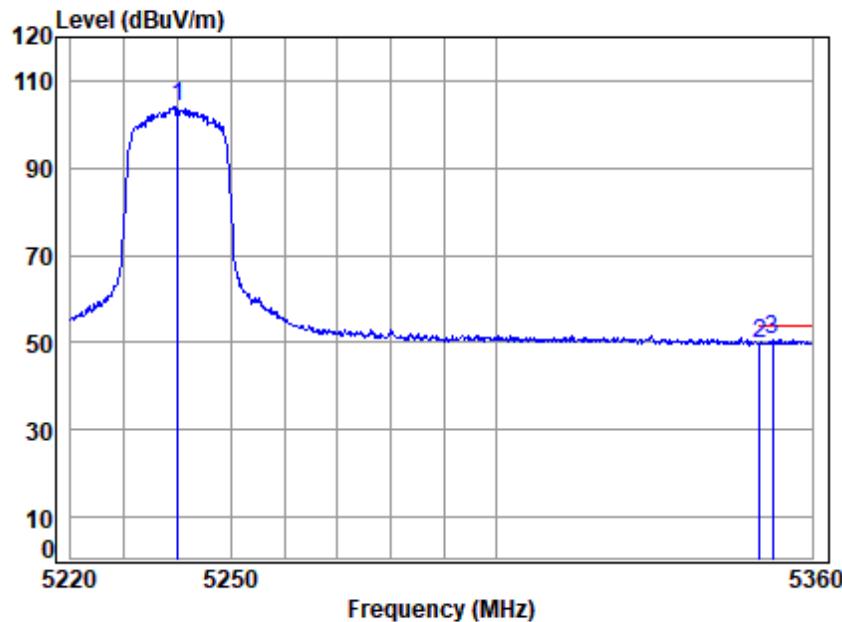
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5240 Band edge
: 5G WIFI 11AC20

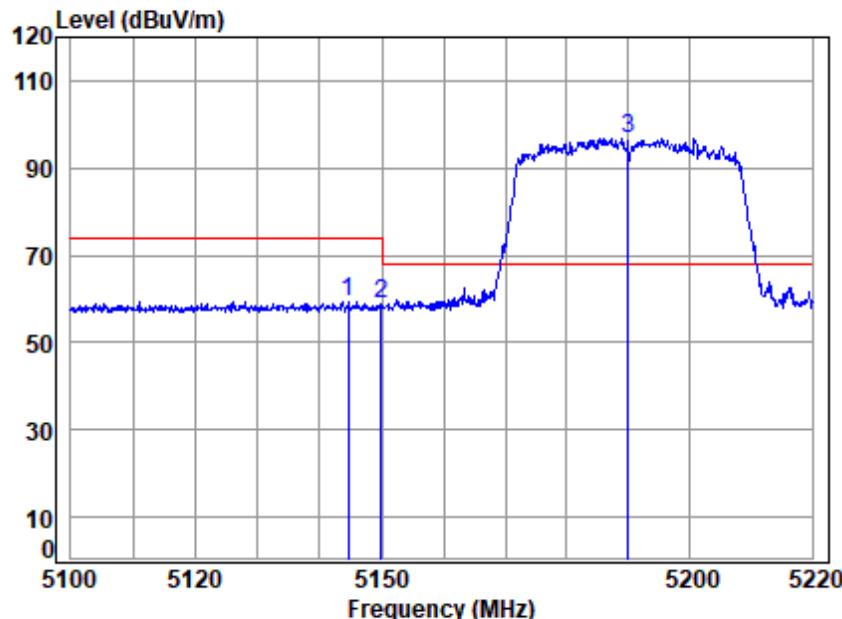
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1	5240.000	7.73	34.40	42.33	104.34	104.14	-----	Average
2	5350.020	7.92	34.48	42.34	49.70	49.76	54.00	-4.24 Average
3	5352.487	7.93	34.49	42.34	50.46	50.54	54.00	-3.46 Average



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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5190 Band edge
: 5G WIFI 11AC40

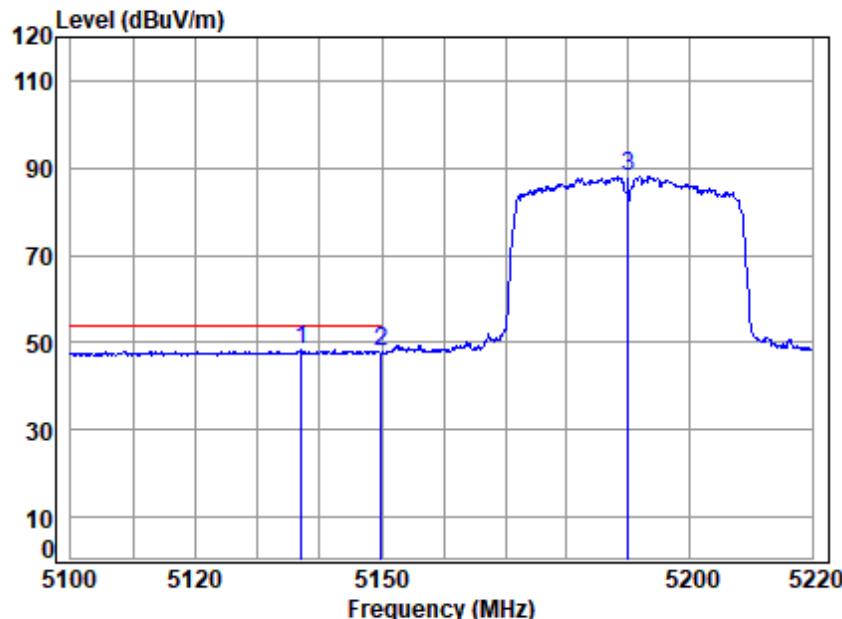
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1	5144.673	7.56	34.32	42.32	59.80	59.36	74.00	-14.64 peak
2	5149.980	7.57	34.32	42.32	59.15	58.72	74.00	-15.28 peak
3 *	5190.000	7.64	34.36	42.32	97.26	96.94	68.20	28.74 peak

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



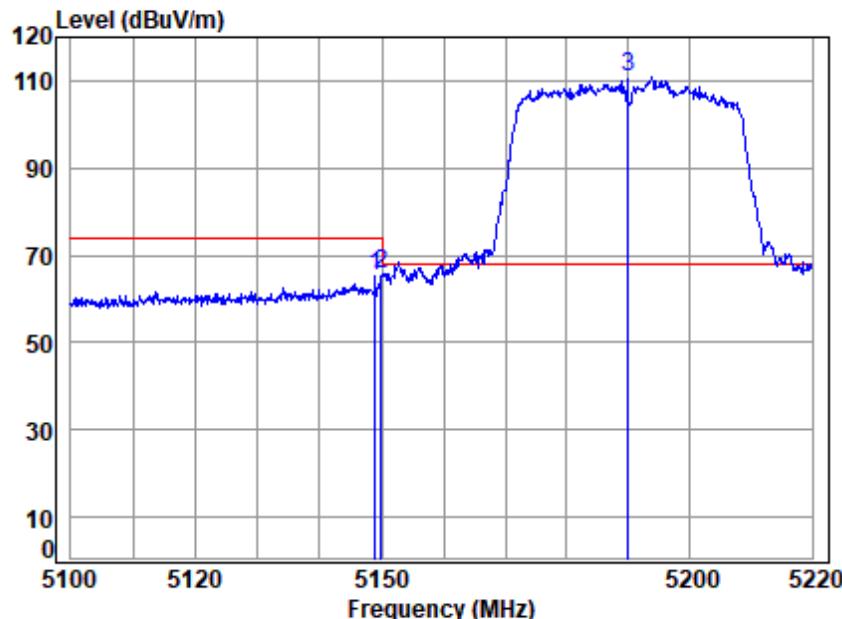
Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5190 Band edge
: 5G WIFI 11AC40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dBuV/m	dB
1 5137.021	7.55	34.31	42.31	48.72	48.27	54.00	-5.73	Average
2 5149.980	7.57	34.32	42.32	48.22	47.79	54.00	-6.21	Average
3 5190.000	7.64	34.36	42.32	88.33	88.01	-----	-----	Average



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



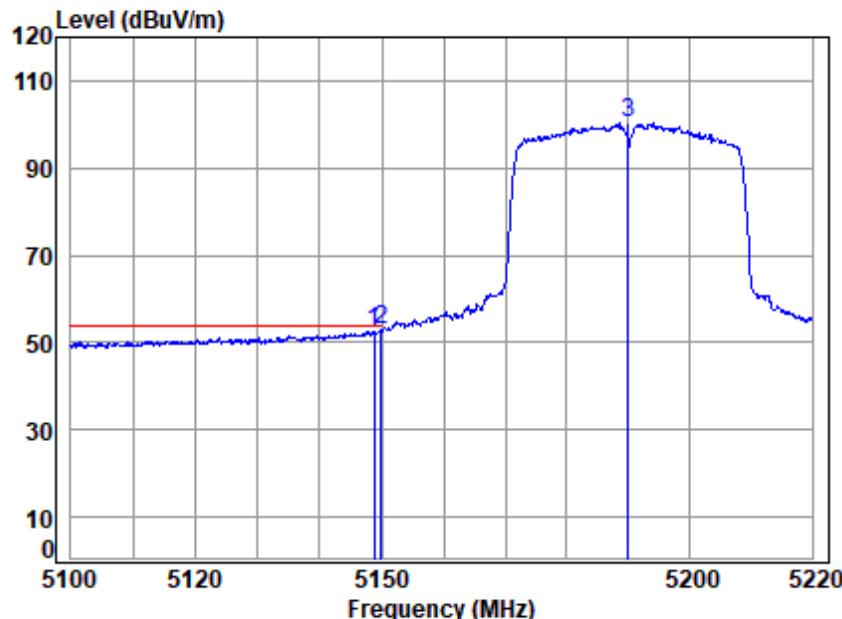
Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5190 Band ec
: EC_WTET_11A

: 3G WiFi IIAC40									
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.863	7.57	34.32	42.32	65.70	65.27	74.00	-8.73	Peak
2	5149.980	7.57	34.32	42.32	66.15	65.72	74.00	-8.28	Peak
3 *	5190.000	7.64	34.36	42.32	111.39	111.07	68.20	42.87	Peak

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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5190 Band edge
: 5G WIFI 11AC40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level	Level	Line		
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.743	7.57	34.32	42.32	52.99	52.56	54.00	-1.44 Average
2	5149.980	7.57	34.32	42.32	53.44	53.01	54.00	-0.99 Average
3	5190.000	7.64	34.36	42.32	100.62	100.30	-----	----- Average



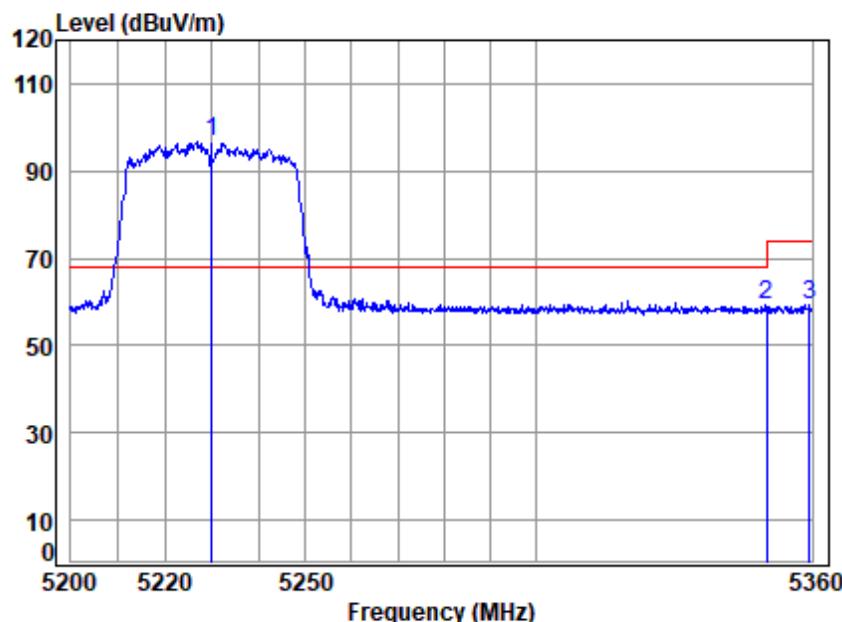
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5230 Band edge
: 5G WIFI 11AC40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1 * 5230.000	7.72	34.39	42.32	96.95	96.74	68.20	28.54	peak
2 5350.020	7.92	34.48	42.34	59.09	59.15	74.00	-14.85	peak
3 5359.350	7.94	34.49	42.34	59.03	59.12	74.00	-14.88	peak

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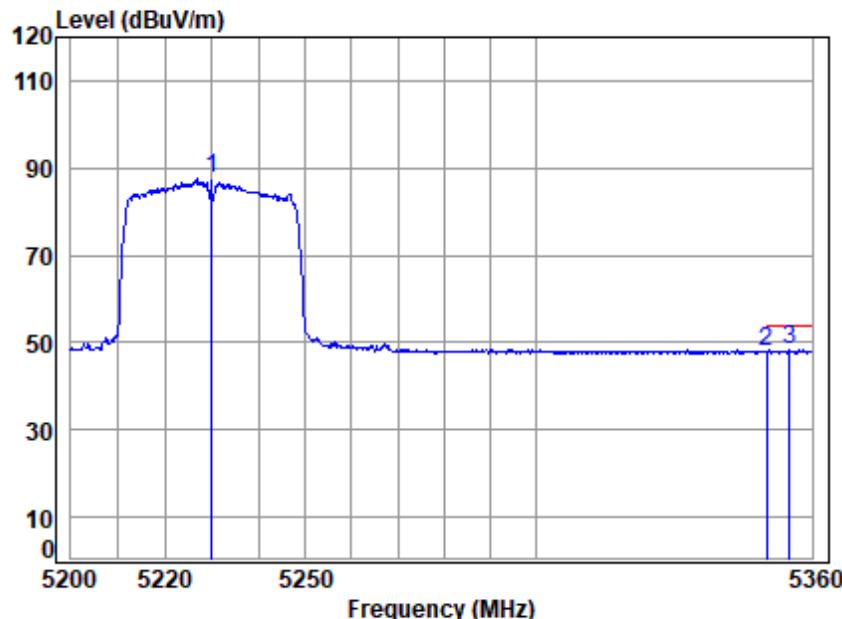
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



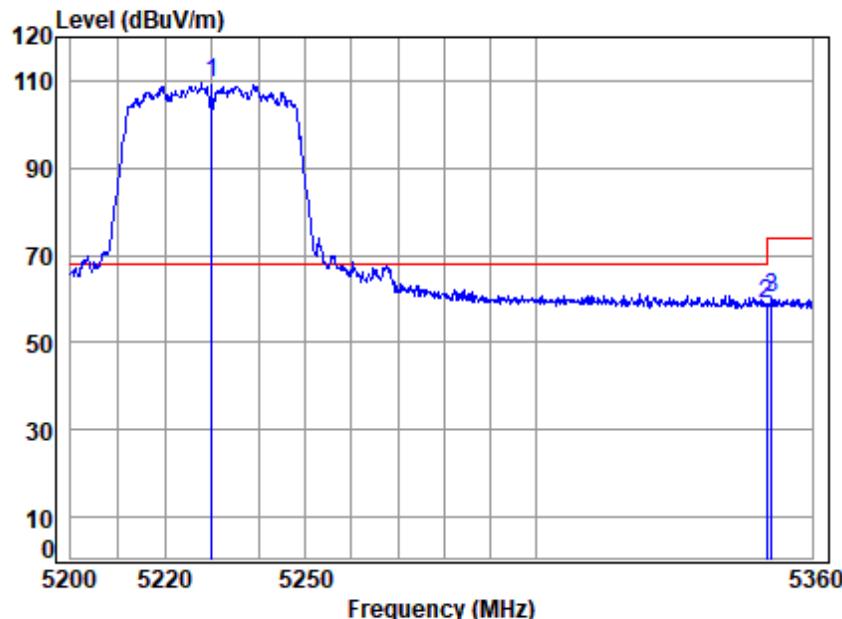
Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5230 Band edge
: 5G WIFI 11AC40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5230.000	7.72	34.39	42.32	87.59	87.38	-----	Average
2 5350.020	7.92	34.48	42.34	47.84	47.90	54.00	-6.10 Average
3 5355.129	7.93	34.49	42.34	48.17	48.25	54.00	-5.75 Average



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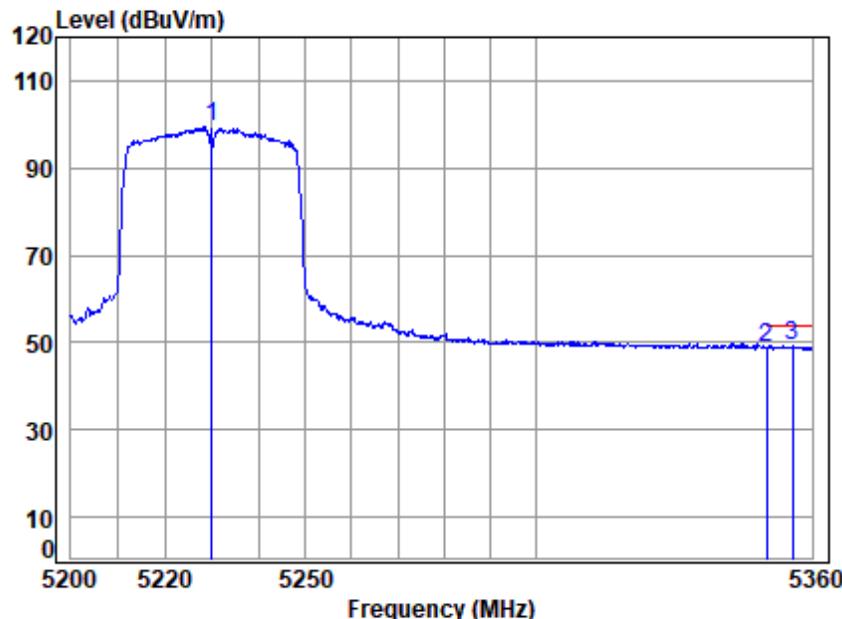
Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5230 Band edge
: 5G WIFI 11AC40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1 * 5230.000	7.72	34.39	42.32	109.58	109.37	68.20	41.17	Peak
2 5350.020	7.92	34.48	42.34	58.90	58.96	74.00	-15.04	Peak
3 5351.073	7.93	34.48	42.34	59.98	60.05	74.00	-13.95	Peak



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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5230 Band edge
: 5G WIFI 11AC40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5230.000	7.72	34.39	42.32	99.61	99.40	-----	Average
2 5350.020	7.92	34.48	42.34	48.69	48.75	54.00	-5.25 Average
3 5355.616	7.93	34.49	42.34	49.37	49.45	54.00	-4.55 Average

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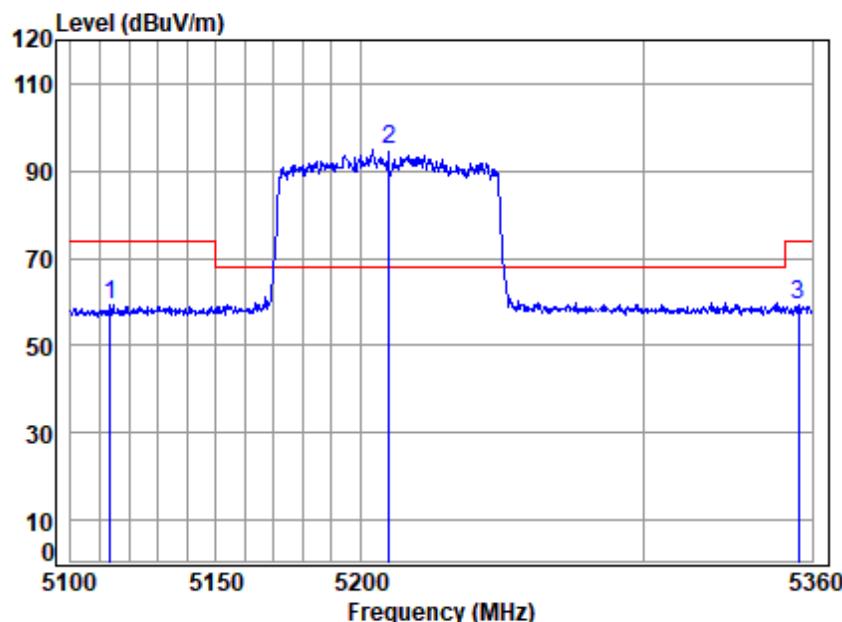
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5210 Band edge
: 5G WIFI 11AC80

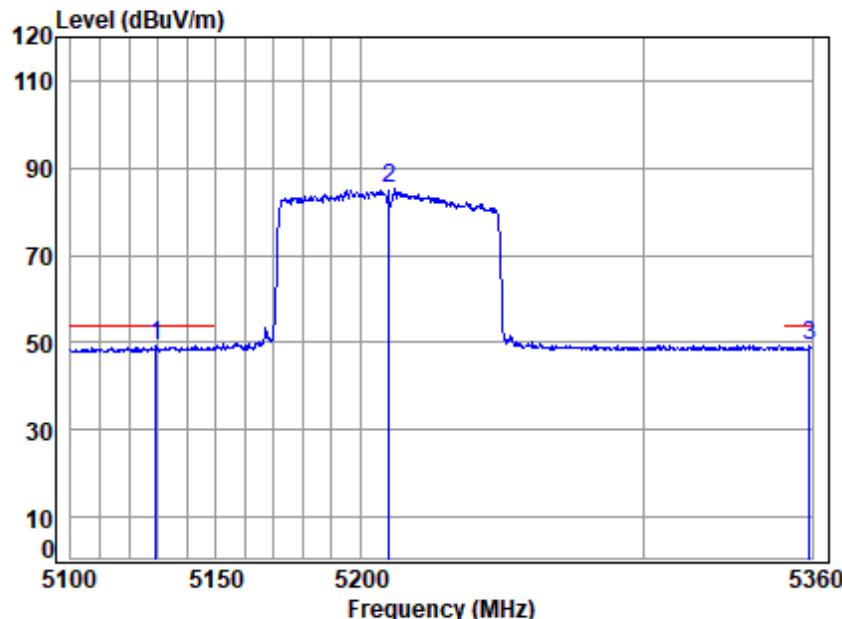
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	5113.458	7.51	34.29	42.31	59.96	59.45	74.00 -14.55 peak
2 *	5210.000	7.68	34.37	42.32	95.20	94.93	68.20 26.73 peak
3	5355.205	7.93	34.49	42.34	59.38	59.46	74.00 -14.54 peak



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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5210 Band edge
: 5G WIFI 11AC80

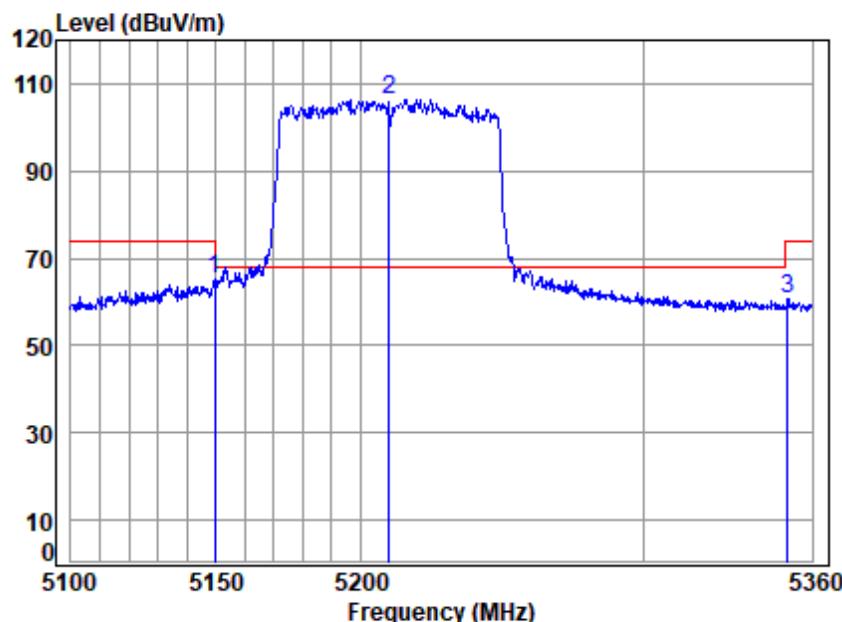
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5129.246	7.54	34.31	42.31	49.74	49.28	54.00	-4.72 Average
2 5210.000	7.68	34.37	42.32	85.65	85.38	-----	----- Average
3 5359.201	7.94	34.49	42.34	49.16	49.25	54.00	-4.75 Average



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



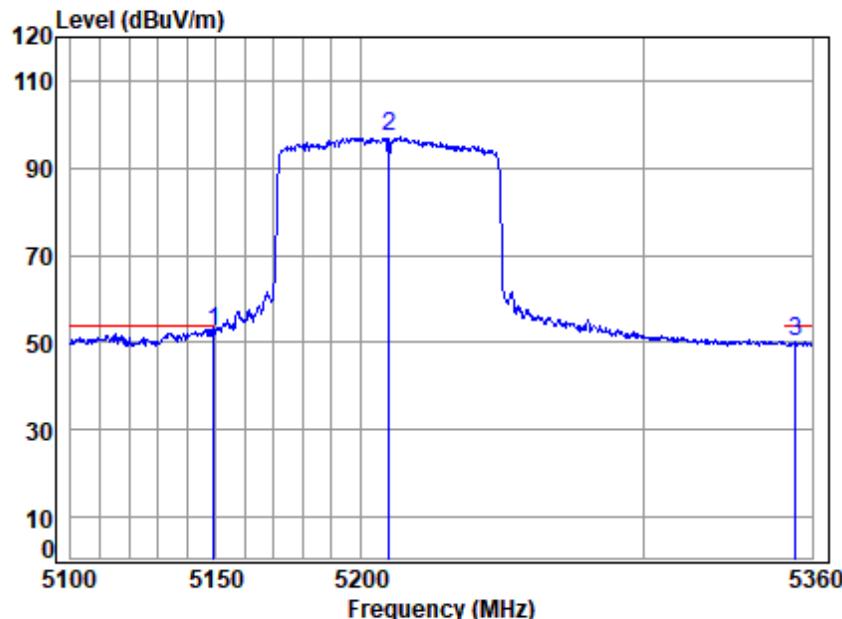
Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5210 Band edge
: 5G WIFI 11AC80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1 5149.435	7.57	34.32	42.32	65.87	65.44	74.00	-8.56	Peak
2 * 5210.000	7.68	34.37	42.32	106.81	106.54	68.20	38.34	Peak
3 5351.212	7.93	34.48	42.34	60.61	60.68	74.00	-13.32	Peak



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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5210 Band edge
: 5G WIFI 11AC80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dBuV/m	dB
1 5149.178	7.57	34.32	42.32	52.97	52.54	54.00	-1.46	Average
2 5210.000	7.68	34.37	42.32	97.30	97.03	-----	-----	Average
3 5354.140	7.93	34.49	42.34	50.25	50.33	54.00	-3.67	Average

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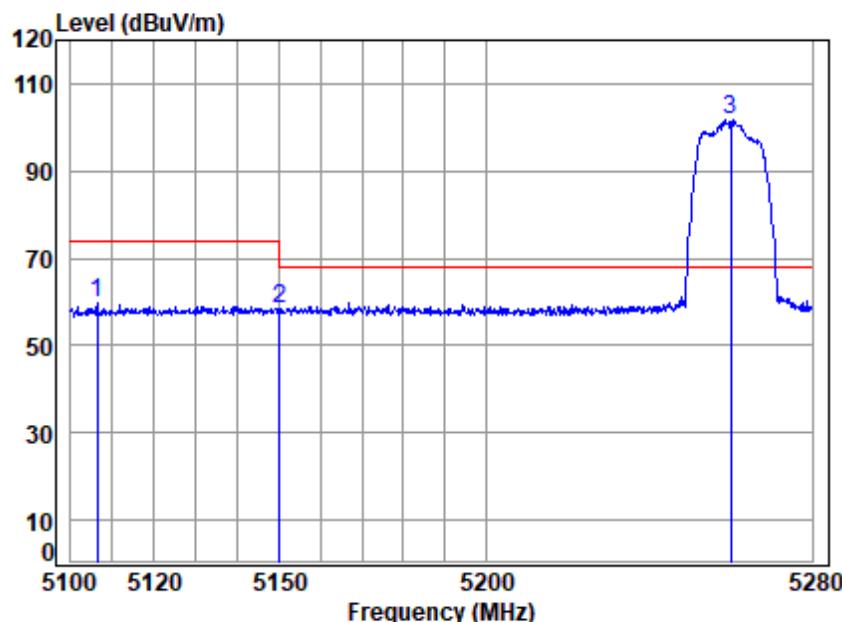
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5260 Band edge
: 5G WIFI 11A

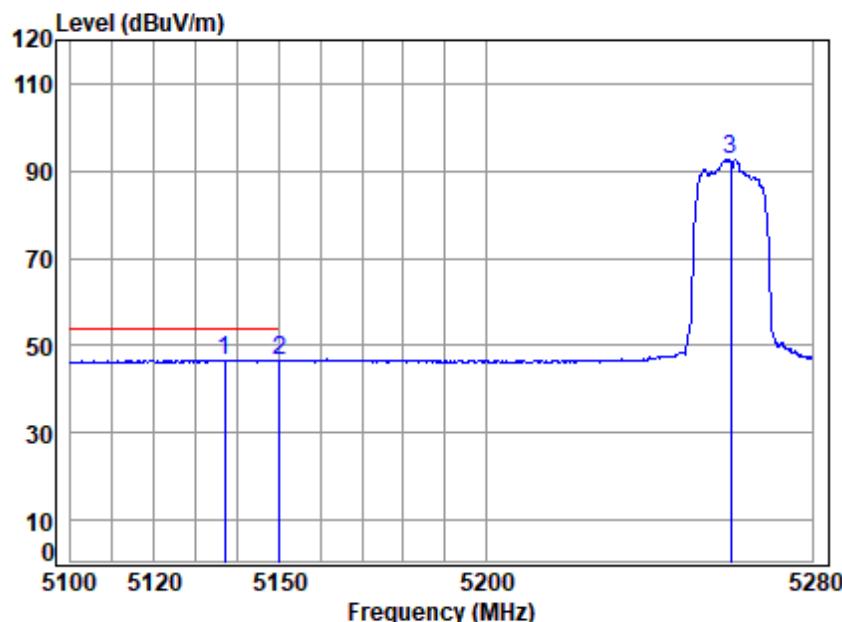
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5106.372	7.49	34.29	42.31	60.41	59.88	74.00 -14.12 peak
2	5149.980	7.57	34.32	42.32	58.99	58.56	74.00 -15.44 peak
3 *	5260.000	7.77	34.41	42.33	101.98	101.83	68.20 33.63 peak



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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5260 Band edge
: 5G WIFI 11A

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark		
	MHz	Loss	Factor	Factor	Level	Level	Line	Limit	
1	5136.927	7.55	34.31	42.31	47.11	46.66	54.00	-7.34	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	92.82	92.67	-----	-----	Average

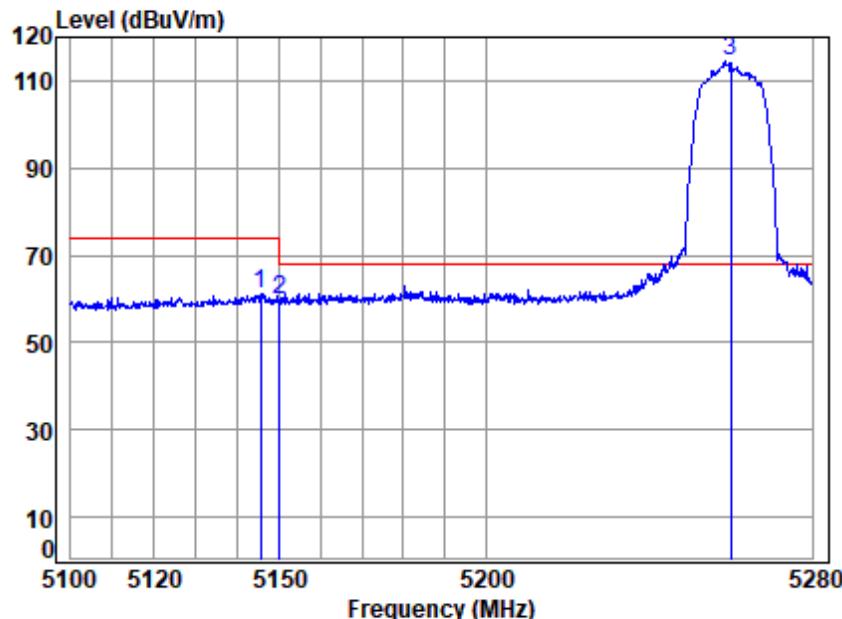
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Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5260 Band edge
: 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1	5145.487	7.56	34.32	42.32	61.81	61.37	74.00	-12.63 Peak
2	5149.980	7.57	34.32	42.32	60.23	59.80	74.00	-14.20 Peak
3 *	5260.000	7.77	34.41	42.33	114.60	114.45	68.20	46.25 Peak

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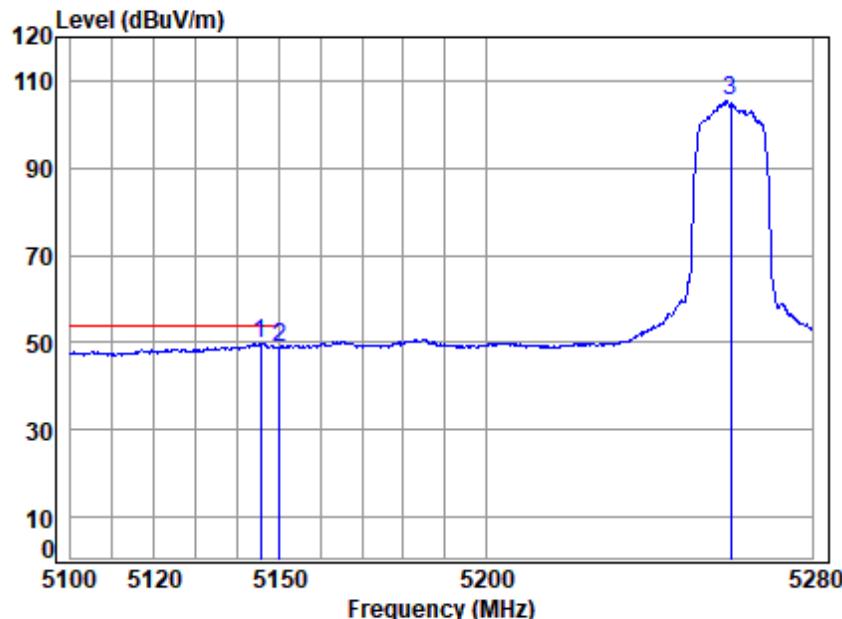
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Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



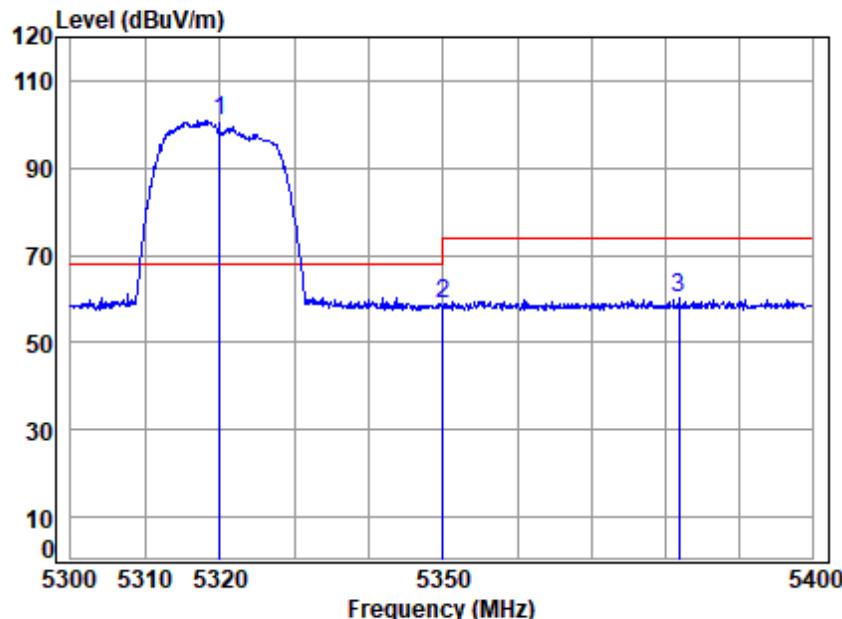
Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5260 Band edge
: 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1	5145.487	7.56	34.32	42.32	50.17	49.73	54.00	-4.27 Average
2	5149.980	7.57	34.32	42.32	49.22	48.79	54.00	-5.21 Average
3	5260.000	7.77	34.41	42.33	105.40	105.25	-----	----- Average



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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5320 Band edge
: 5G WIFI 11A

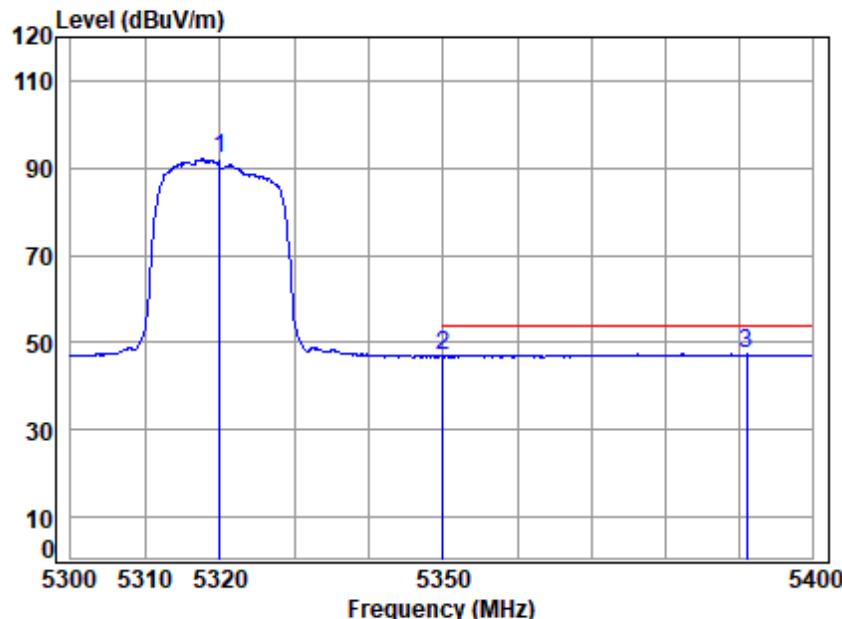
Freq	Cable Loss	Ant Factor	Preamp Factor	Read	Limit Line	Over Limit	Remark
				Level			
MHz	dB	dB/m		dBuV	dBuV/m	dBuV/m	dB
1 * 5320.000	7.87	34.46	42.33	101.01	101.01	68.20	32.81 peak
2 5350.020	7.92	34.48	42.34	58.72	58.78	74.00	-15.22 peak
3 5381.962	7.98	34.51	42.34	60.14	60.29	74.00	-13.71 peak

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5320 Band edge
: 5G WIFI 11A

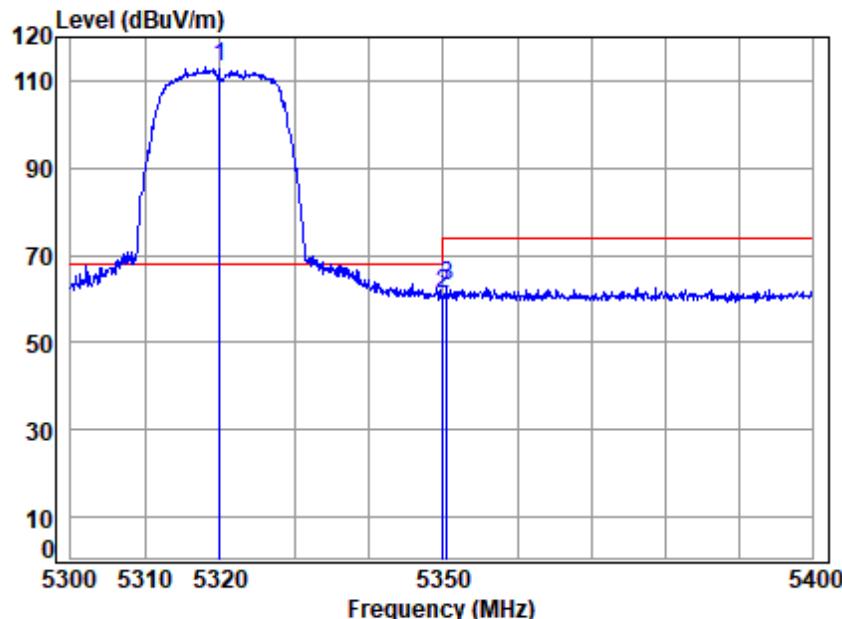
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dBuV/m	dB
1 5320.000	7.87	34.46	42.33	92.02	92.02	-----	-----	Average
2 5350.020	7.92	34.48	42.34	46.87	46.93	54.00	-7.07	Average
3 5391.125	8.00	34.52	42.34	47.09	47.27	54.00	-6.73	Average

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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5320 Band edge
: 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1 * 5320.000	7.87	34.46	42.33	113.30	113.30	68.20	45.10	Peak
2 5350.020	7.92	34.48	42.34	61.01	61.07	74.00	-12.93	Peak
3 5350.566	7.93	34.48	42.34	62.68	62.75	74.00	-11.25	Peak

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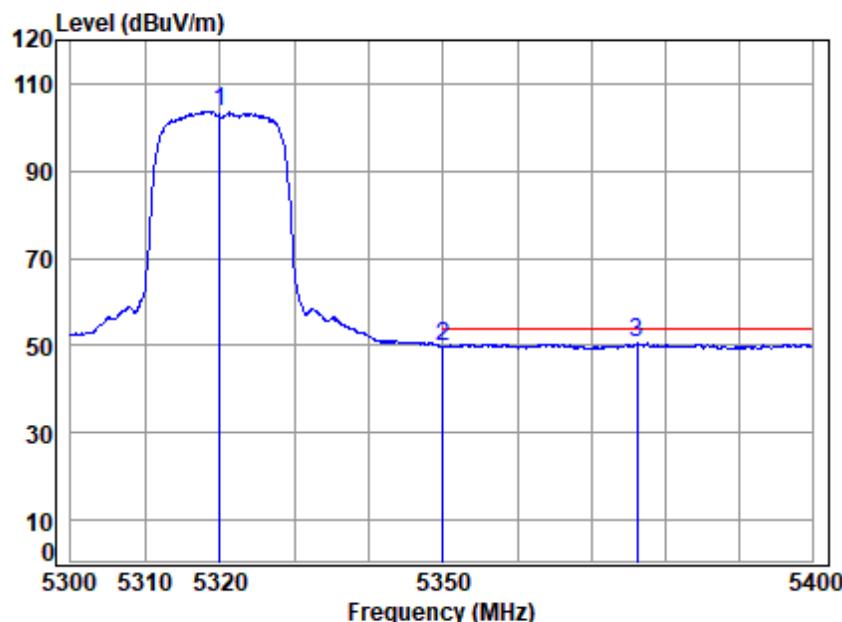
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Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5320 Band edge
: 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dBuV/m	dB
1 5320.000	7.87	34.46	42.33	103.72	103.72	-----	-----	Average
2 5350.020	7.92	34.48	42.34	49.71	49.77	54.00	-4.23	Average
3 5376.231	7.97	34.50	42.34	50.44	50.57	54.00	-3.43	Average

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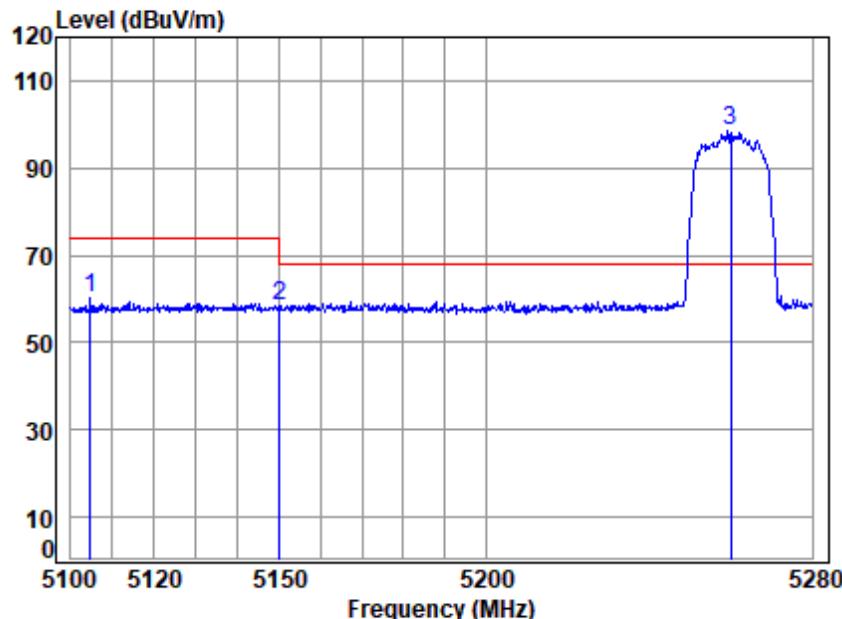
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5260 Band edge
: 5G WIFI 11N20

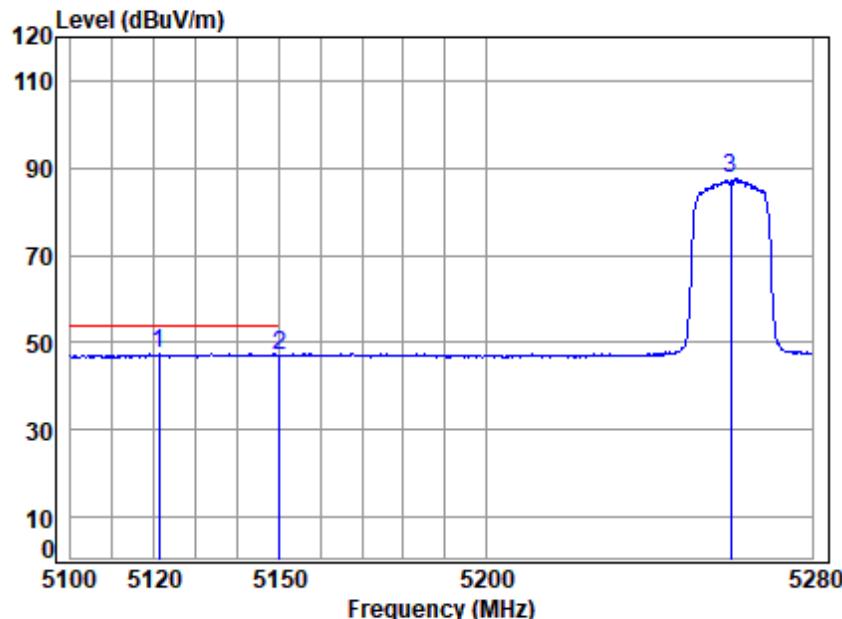
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	5104.602	7.49	34.29	42.31	60.55	60.02	74.00 -13.98 peak
2	5149.980	7.57	34.32	42.32	58.63	58.20	74.00 -15.80 peak
3 *	5260.000	7.77	34.41	42.33	98.48	98.33	68.20 30.13 peak



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



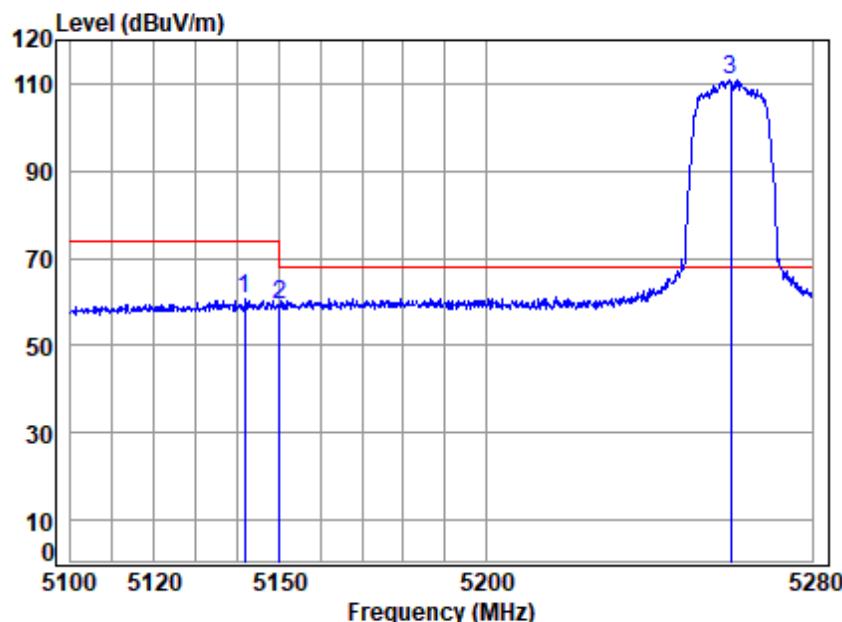
Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5260 Band edge
: 5G WIFI 11N20

	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	5121.094	7.52	34.30	42.31	47.91	47.42	54.00	-6.58	Average
2	5149.980	7.57	34.32	42.32	47.56	47.13	54.00	-6.87	Average
3	5260.000	7.77	34.41	42.33	87.81	87.66	-----	-----	Average

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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5260 Band edge
: 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1	5141.741	7.56	34.32	42.32	61.11	60.67	74.00	-13.33 Peak
2	5149.980	7.57	34.32	42.32	59.69	59.26	74.00	-14.74 Peak
3 *	5260.000	7.77	34.41	42.33	110.97	110.82	68.20	42.62 Peak

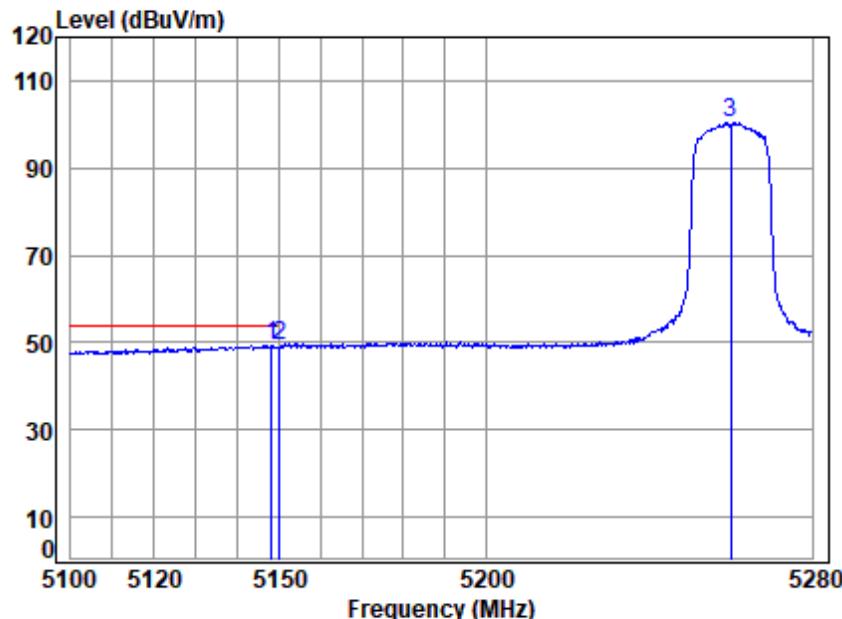


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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



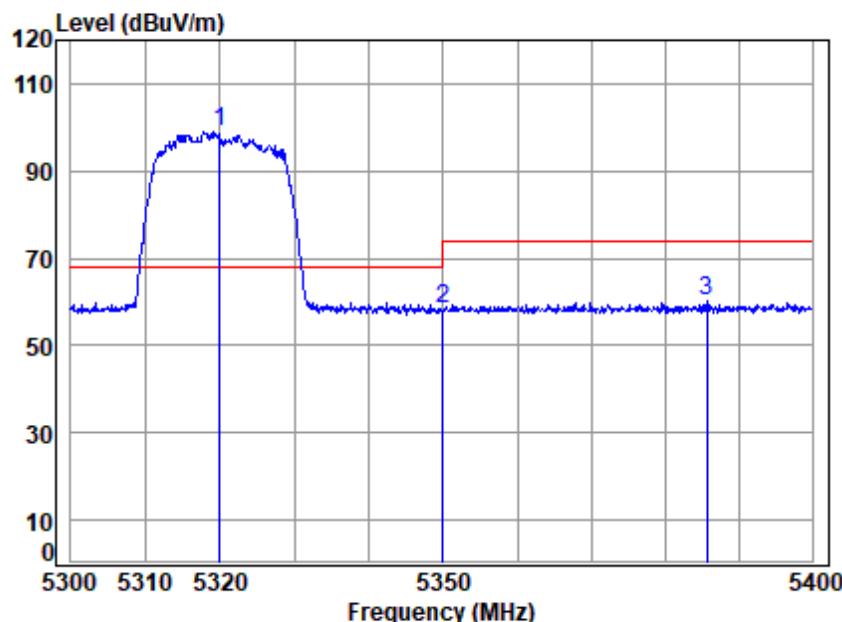
Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5260 Band edge
: 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1	5148.165	7.57	34.32	42.32	49.79	49.36	54.00	-4.64 Average
2	5149.980	7.57	34.32	42.32	49.54	49.11	54.00	-4.89 Average
3	5260.000	7.77	34.41	42.33	100.63	100.48	-----	----- Average



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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5320 Band edge
: 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1 * 5320.000	7.87	34.46	42.33	99.20	99.20	68.20	31.00	peak
2 5350.020	7.92	34.48	42.34	58.35	58.41	74.00	-15.59	peak
3 5385.686	7.99	34.51	42.34	60.05	60.21	74.00	-13.79	peak

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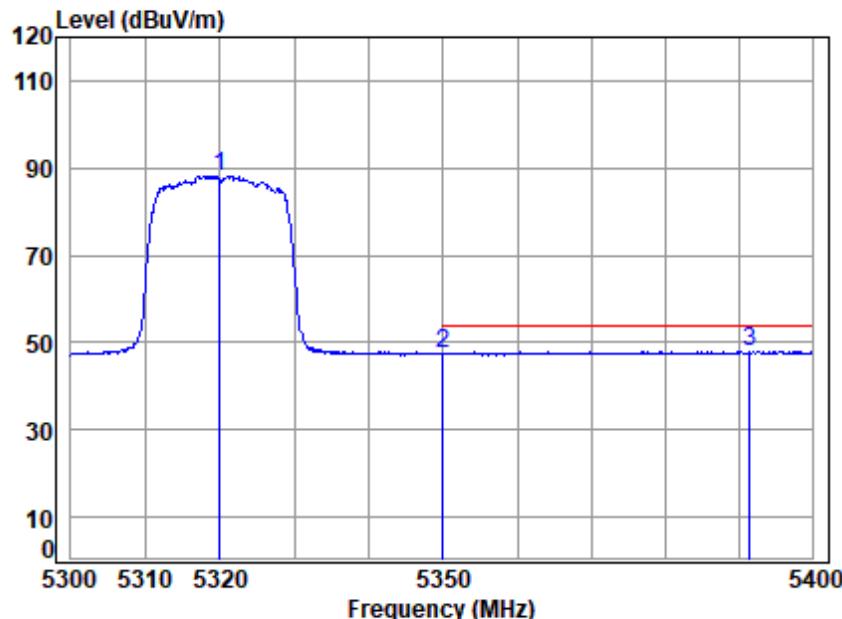
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5320 Band edge
: 5G WIFI 11N20

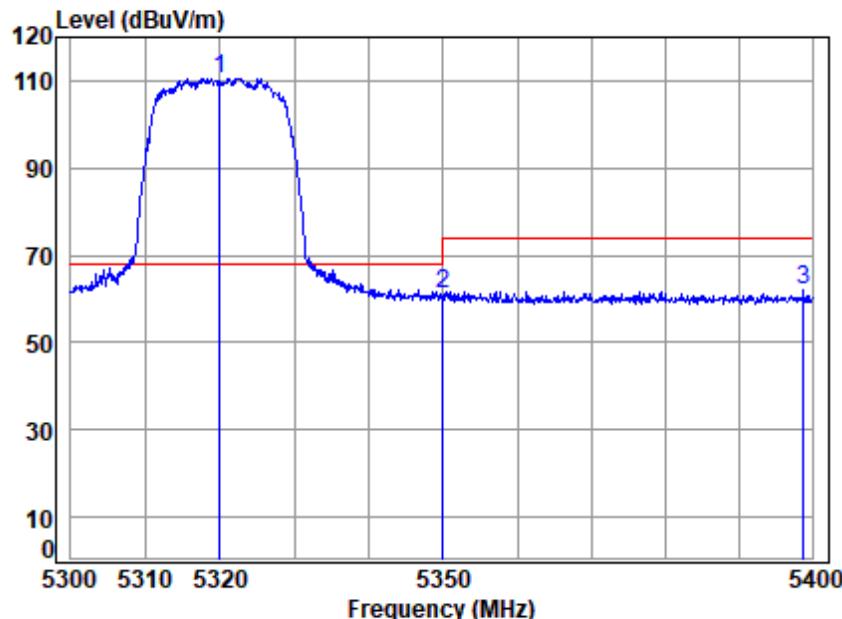
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dBuV/m	dB
1 5320.000	7.87	34.46	42.33	88.14	88.14	-----	-----	Average
2 5350.020	7.92	34.48	42.34	47.48	47.54	54.00	-6.46	Average
3 5391.528	8.00	34.52	42.34	47.87	48.05	54.00	-5.95	Average

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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5320 Band edge
: 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
1 * 5320.000	7.87	34.46	42.33	110.60	110.60	68.20	42.40	Peak
2 5350.020	7.92	34.48	42.34	61.07	61.13	74.00	-12.87	Peak
3 5398.789	8.01	34.52	42.34	61.76	61.95	74.00	-12.05	Peak

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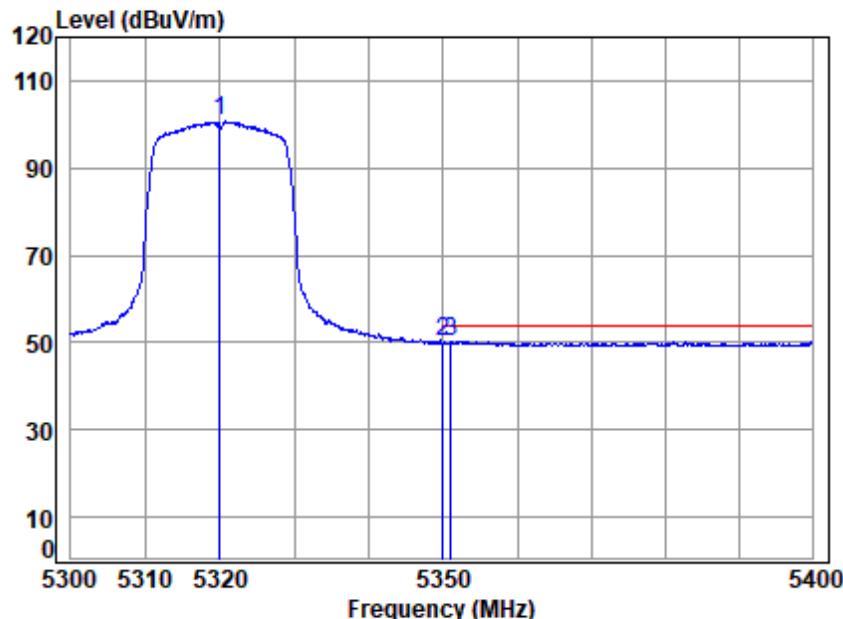
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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



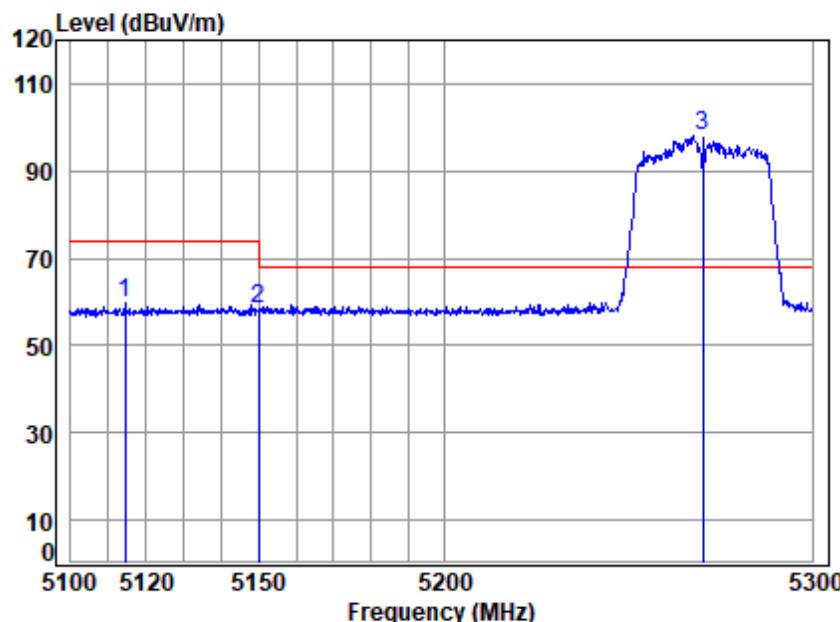
Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5320 Band edge
: 5G WIFI 11N20

		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	5320.000	7.87	34.46	42.33	100.68	100.68	-----	-----	Average
2	5350.020	7.92	34.48	42.34	49.94	50.00	54.00	-4.00	Average
3	5351.066	7.93	34.48	42.34	50.15	50.22	54.00	-3.78	Average

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5270 Band edge
: 5G WIFI 11N40

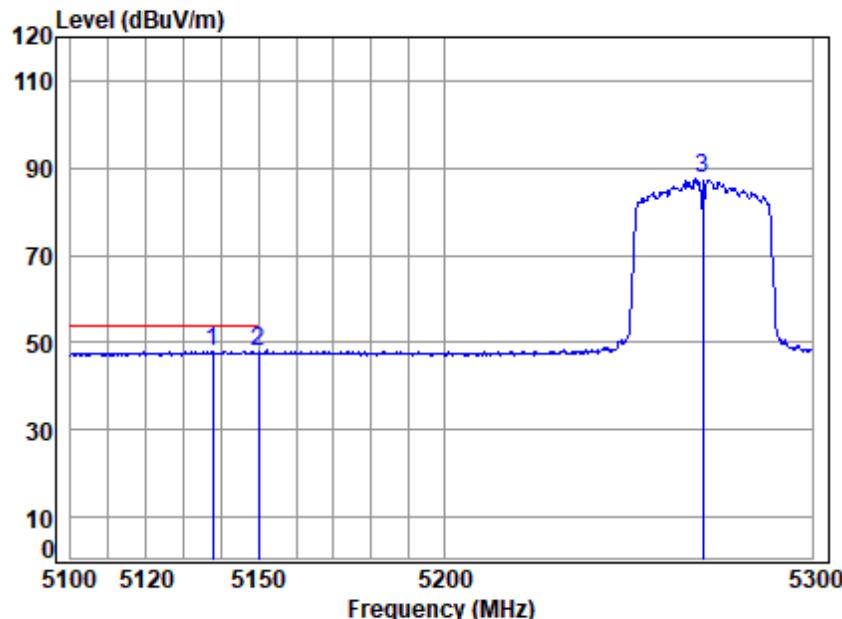
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5114.341	7.51	34.29	42.31	60.16	59.65	74.00	-14.35 peak
2 5149.980	7.57	34.32	42.32	58.94	58.51	74.00	-15.49 peak
3 * 5270.000	7.79	34.42	42.33	98.11	97.99	68.20	29.79 peak



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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5270 Band edge
: 5G WIFI 11N40

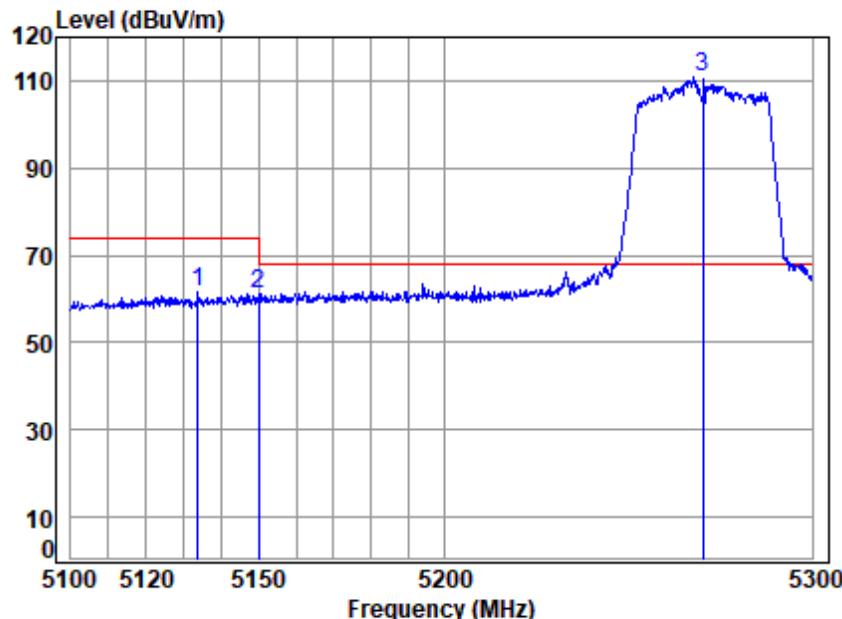
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5137.608	7.55	34.31	42.31	48.51	48.06	54.00 -5.94 Average
2	5149.980	7.57	34.32	42.32	48.20	47.77	54.00 -6.23 Average
3	5270.000	7.79	34.42	42.33	87.66	87.54	----- ----- Average



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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5270 Band edge
: 5G WIFI 11N40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5133.854	7.54	34.31	42.31	61.92	61.46	74.00 -12.54 Peak
2	5149.980	7.57	34.32	42.32	61.50	61.07	74.00 -12.93 Peak
3 *	5270.000	7.79	34.42	42.33	111.09	110.97	68.20 42.77 Peak

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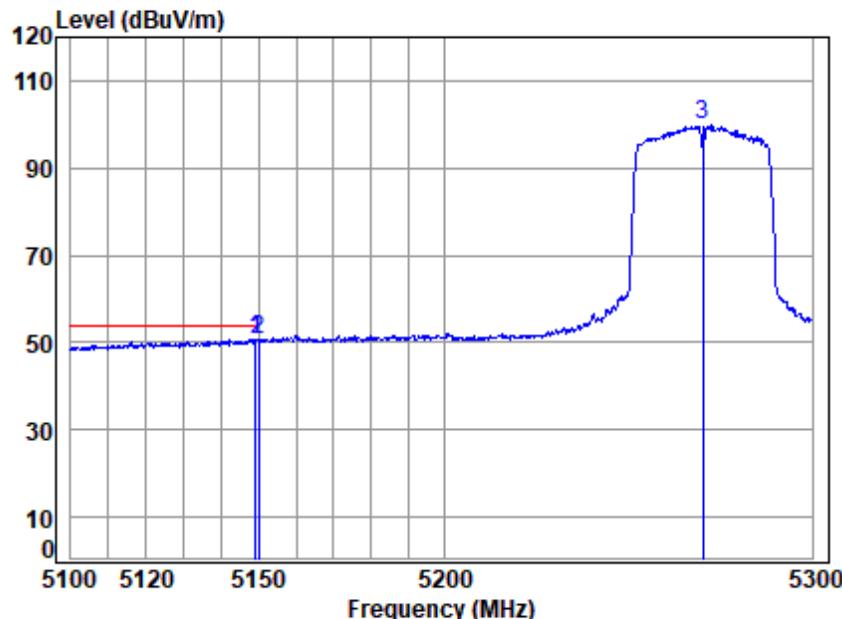
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Shenzhen Branch Inspection & Testing Services Laboratory

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



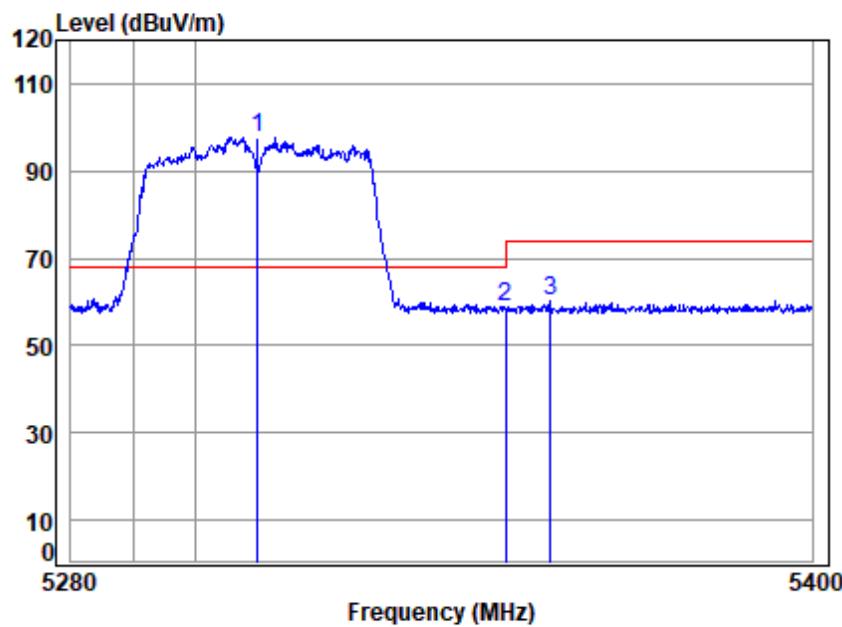
Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5270 Band edge
: 5G WIFI 11N40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1	5149.083	7.57	34.32	42.32	51.27	50.84	54.00	-3.16 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	99.89	99.77	-----	----- Average



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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5310 Band edge
: 5G WIFI 11N40

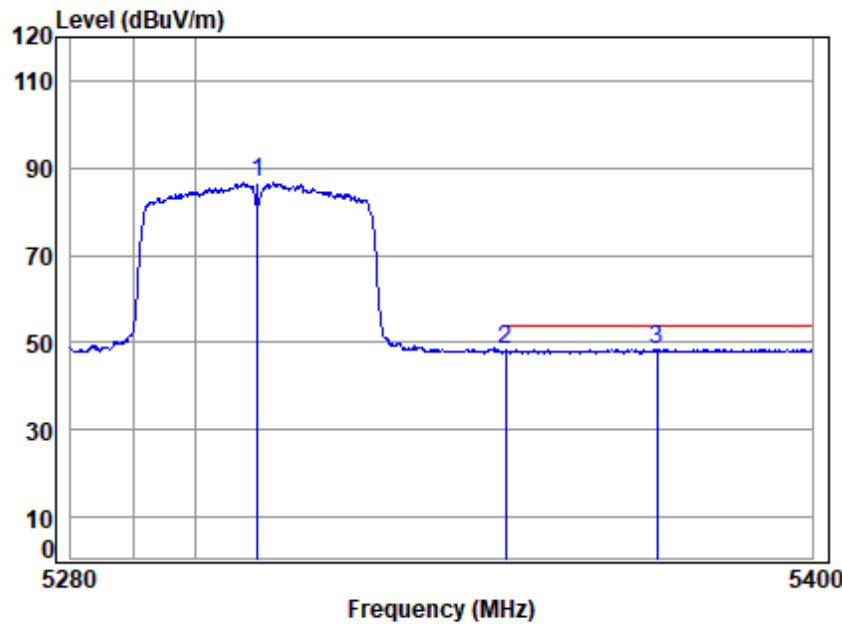
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1 * 5310.000	7.86	34.45	42.33	97.81	97.79	68.20	29.59	peak
2 5350.020	7.92	34.48	42.34	58.95	59.01	74.00	-14.99	peak
3 5357.332	7.94	34.49	42.34	60.01	60.10	74.00	-13.90	peak

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5310 Band edge
: 5G WIFI 11N40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5310.000	7.86	34.45	42.33	86.83	86.81	-----	Average
2 5350.020	7.92	34.48	42.34	48.08	48.14	54.00	-5.86 Average
3 5374.697	7.97	34.50	42.34	48.44	48.57	54.00	-5.43 Average



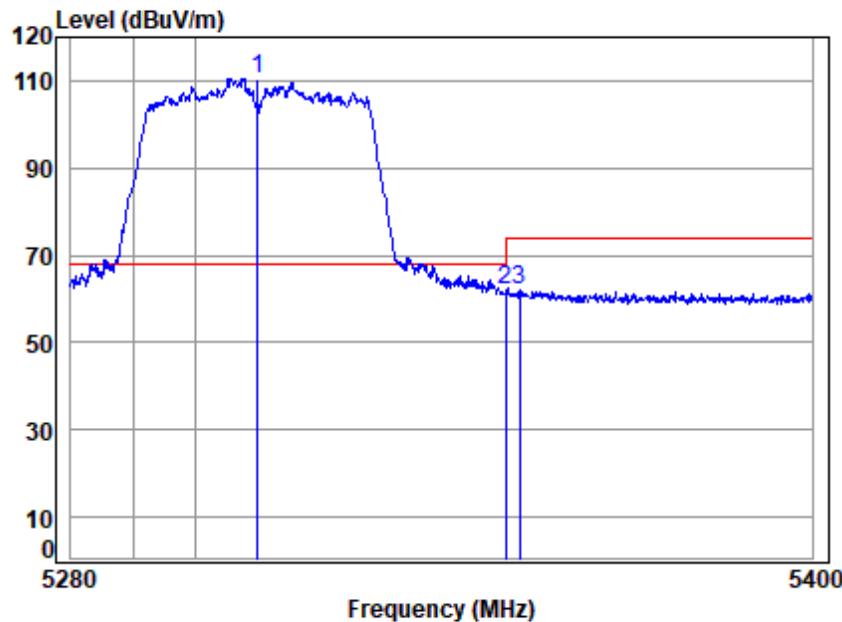
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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5310 Band edge
: 5G WIFI 11N40

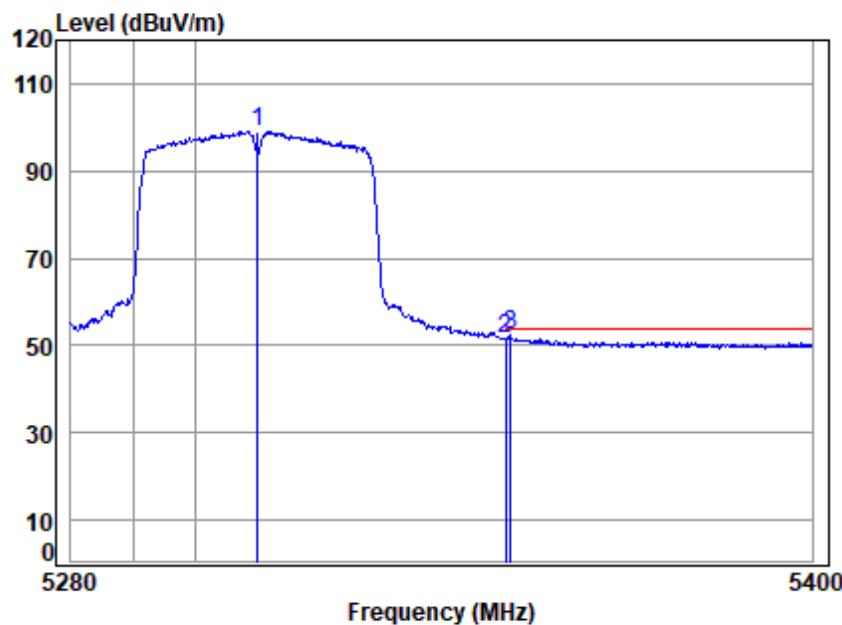
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5310.000	7.86	34.45	42.33	110.60	110.58	68.20	42.38 Peak
2 5350.020	7.92	34.48	42.34	62.13	62.19	74.00	-11.81 Peak
3 5352.277	7.93	34.49	42.34	61.79	61.87	74.00	-12.13 Peak



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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5310 Band edge
: 5G WIFI 11N40

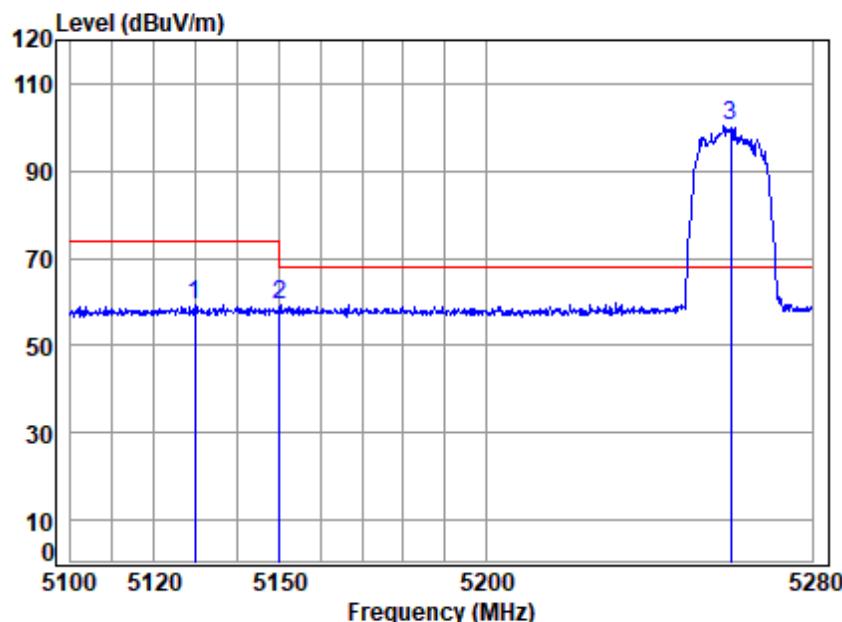
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dBuV/m	dB
1 5310.000	7.86	34.45	42.33	99.16	99.14	-----	-----	Average
2 5350.020	7.92	34.48	42.34	51.43	51.49	54.00	-2.51	Average
3 5350.955	7.93	34.48	42.34	52.19	52.26	54.00	-1.74	Average

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5260 Band edge
: 5G WIFI 11AC20

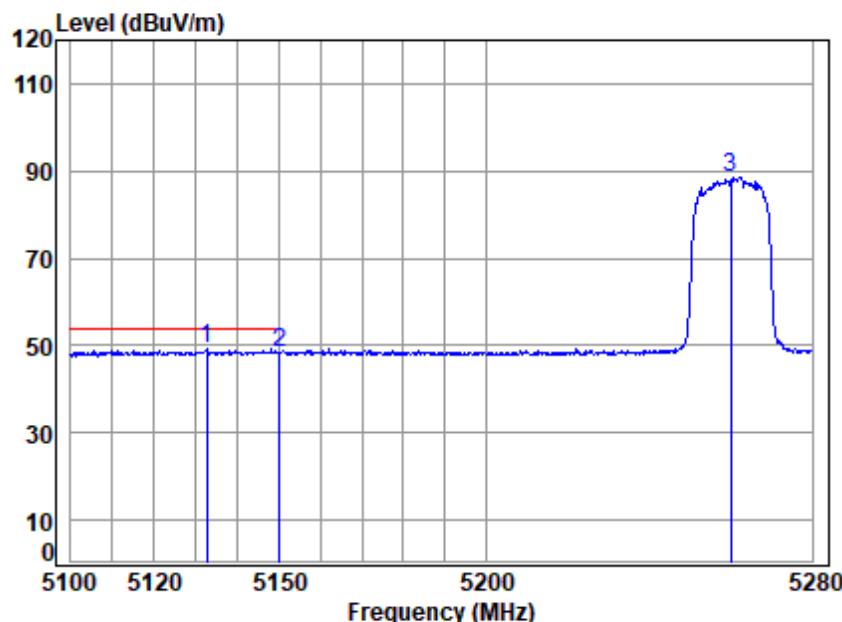
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5129.805	7.54	34.31	42.31	59.61	59.15	74.00	-14.85 peak
2 5149.980	7.57	34.32	42.32	59.56	59.13	74.00	-14.87 peak
3 * 5260.000	7.77	34.41	42.33	100.43	100.28	68.20	32.08 peak



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



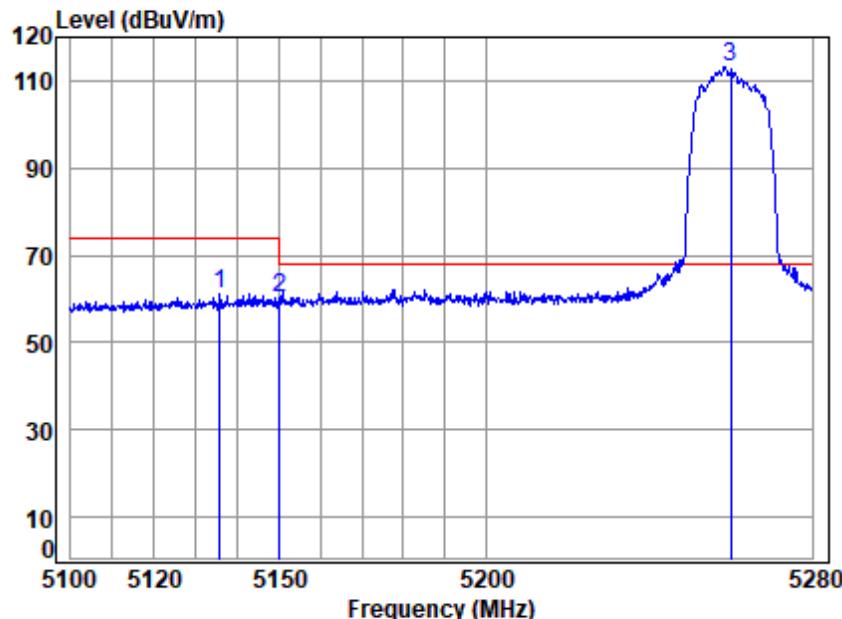
Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5260 Band edge
: 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1	5132.653	7.54	34.31	42.31	49.72	49.26	54.00	-4.74 Average
2	5149.980	7.57	34.32	42.32	48.71	48.28	54.00	-5.72 Average
3	5260.000	7.77	34.41	42.33	88.70	88.55	-----	----- Average



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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5260 Band edge
: 5G WIFI 11AC20

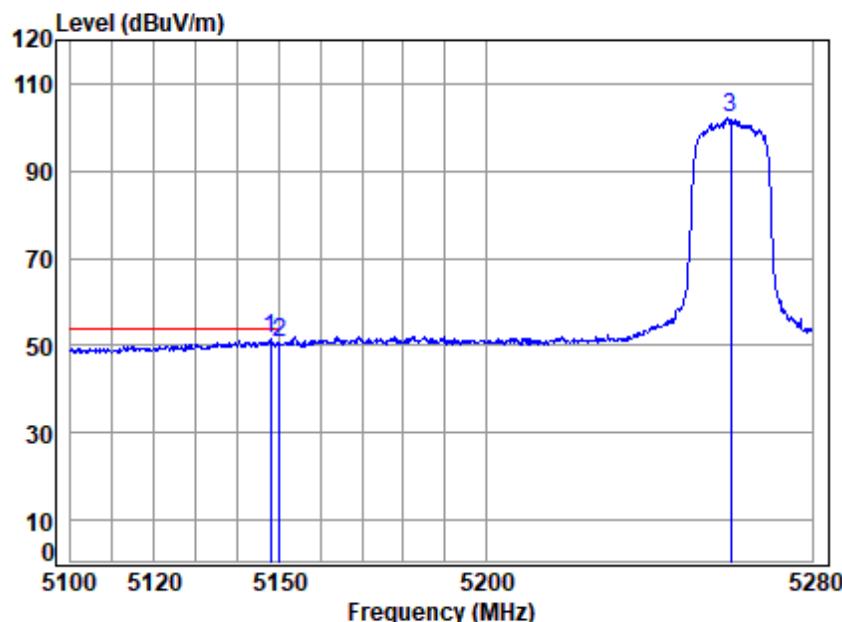
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5135.680	7.55	34.31	42.31	61.44	60.99	74.00 -13.01 Peak
2	5149.980	7.57	34.32	42.32	60.47	60.04	74.00 -13.96 Peak
3 *	5260.000	7.77	34.41	42.33	113.43	113.28	68.20 45.08 Peak



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



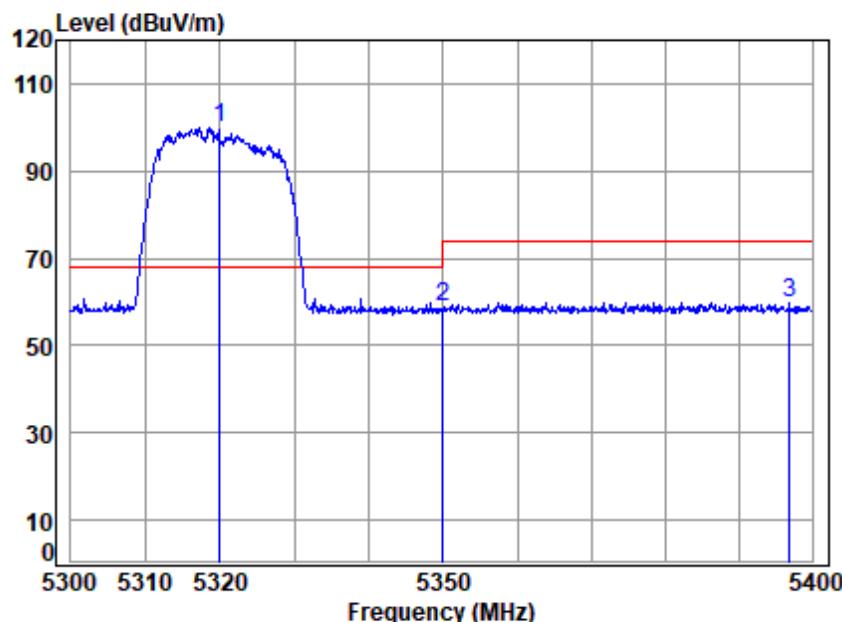
Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5260 Band edge
: 5G WIFI 11AC20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5147.808	7.57	34.32	42.32	51.81	51.38	54.00	-2.62 Average
2 5149.980	7.57	34.32	42.32	51.20	50.77	54.00	-3.23 Average
3 5260.000	7.77	34.41	42.33	102.23	102.08	-----	----- Average



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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5320 Band edge
: 5G WIFI 11AC20

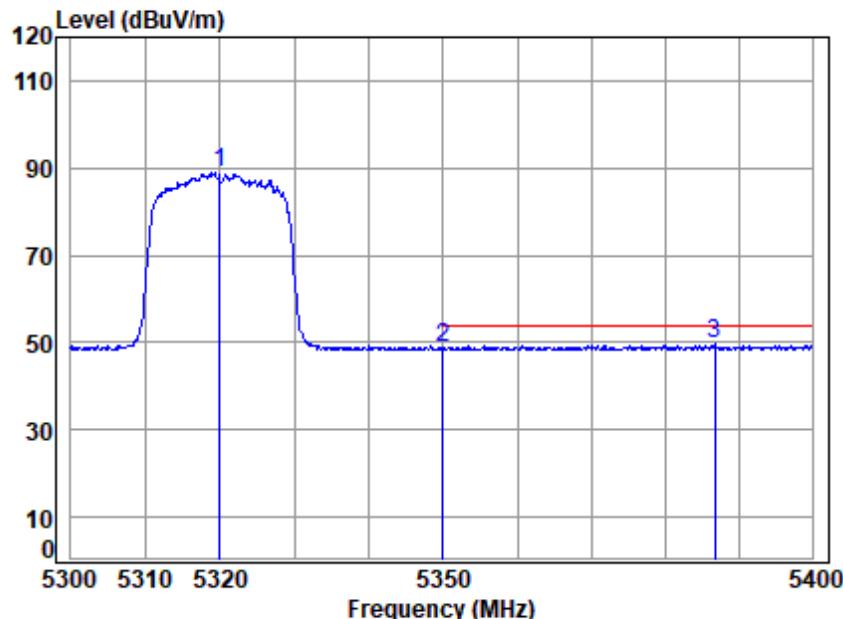
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1 * 5320.000	7.87	34.46	42.33	100.09	100.09	68.20	31.89	peak
2 5350.020	7.92	34.48	42.34	58.62	58.68	74.00	-15.32	peak
3 5396.973	8.01	34.52	42.34	59.57	59.76	74.00	-14.24	peak

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



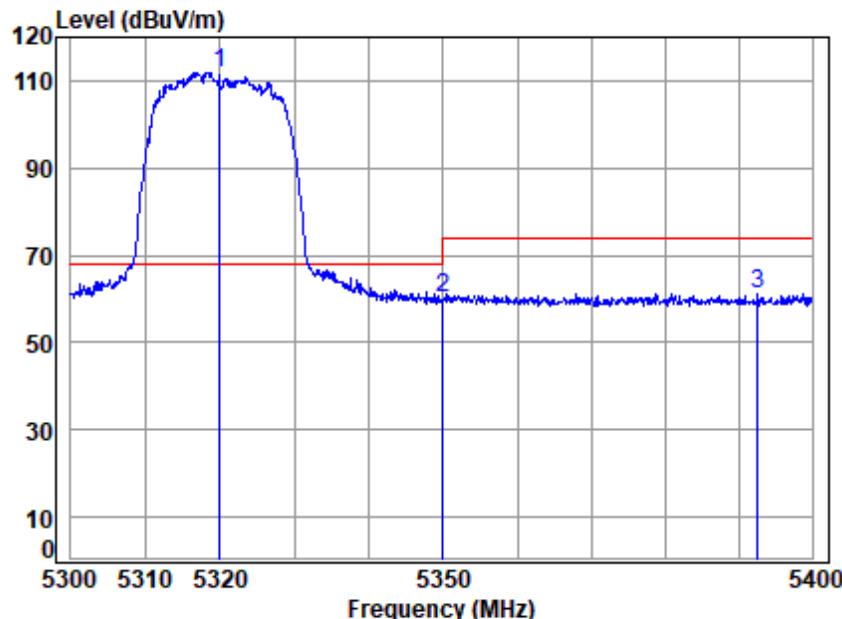
Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5320 Band edge
: 5G_WTET_11AC20

Freq	Cable	Ant	Preamp	Read	Limit	Over			
	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	7.87	34.46	42.33	88.86	88.86	-----	-----	Average
2	5350.020	7.92	34.48	42.34	48.65	48.71	54.00	-5.29	Average
3	5386.793	7.99	34.51	42.34	49.42	49.58	54.00	-4.42	Average

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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5320 Band edge
: 5G WIFI 11AC20

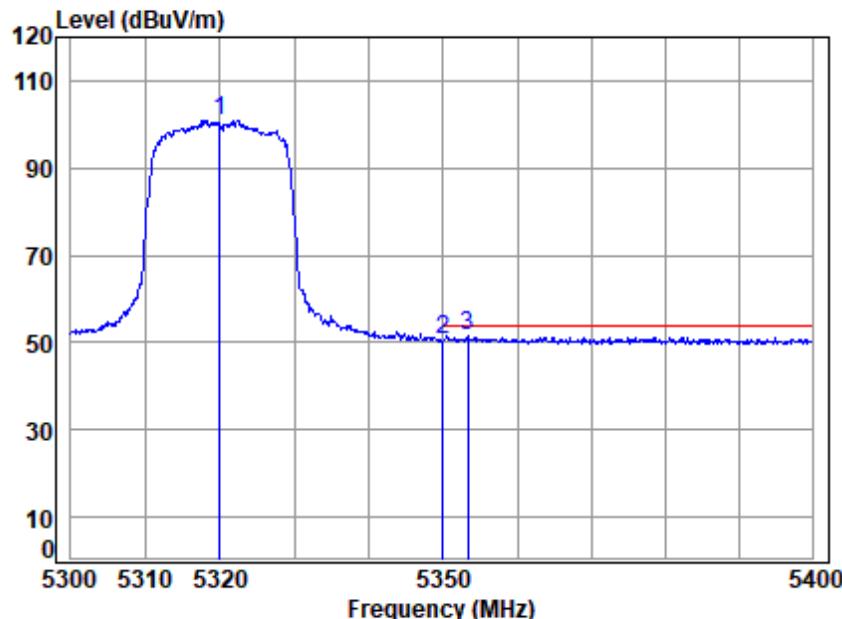
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1 * 5320.000	7.87	34.46	42.33	111.73	111.73	68.20	43.53	Peak
2 5350.020	7.92	34.48	42.34	60.02	60.08	74.00	-13.92	Peak
3 5392.637	8.00	34.52	42.34	61.02	61.20	74.00	-12.80	Peak

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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5320 Band edge
: 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dBuV/m	dB
1 5320.000	7.87	34.46	42.33	100.95	100.95	-----	-----	Average
2 5350.020	7.92	34.48	42.34	50.55	50.61	54.00	-3.39	Average
3 5353.268	7.93	34.49	42.34	51.39	51.47	54.00	-2.53	Average

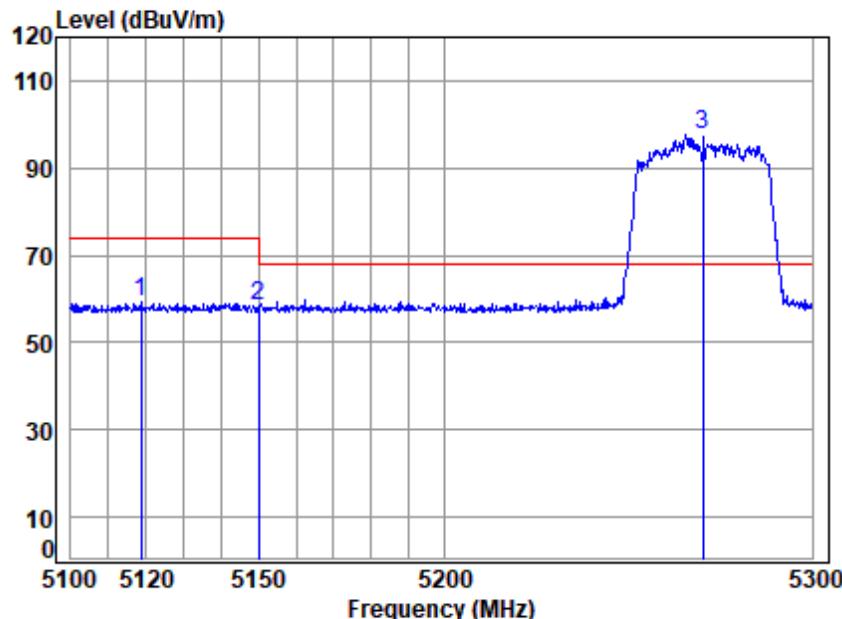
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5270 Band edge
: 5G WIFI 11AC40

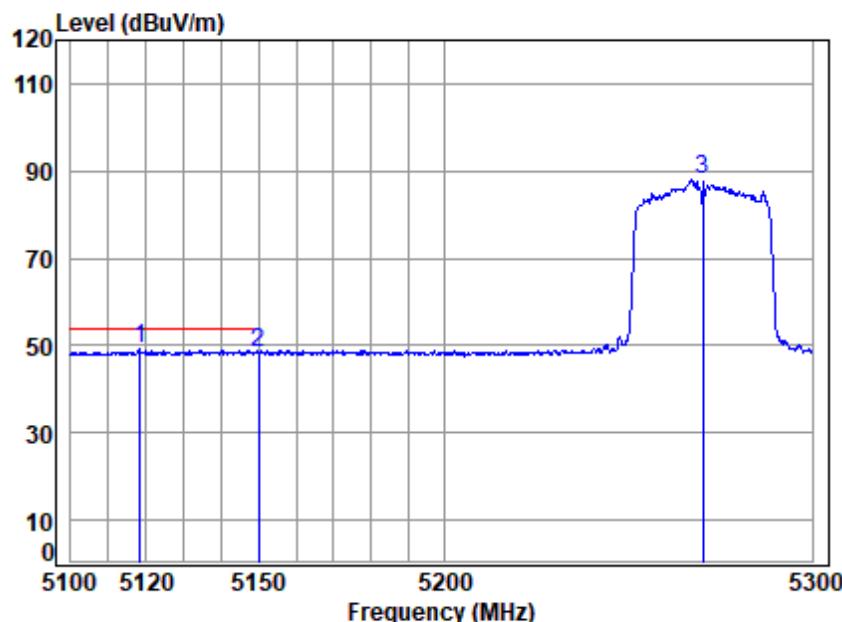
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1	5118.671	7.52	34.30	42.31	59.58	59.09	74.00	-14.91 peak
2	5149.980	7.57	34.32	42.32	58.90	58.47	74.00	-15.53 peak
3 *	5270.000	7.79	34.42	42.33	97.80	97.68	68.20	29.48 peak



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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5270 Band edge
: 5G WIFI 11AC40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1	5118.277	7.52	34.30	42.31	49.69	49.20	54.00	-4.80 Average
2	5149.980	7.57	34.32	42.32	48.81	48.38	54.00	-5.62 Average
3	5270.000	7.79	34.42	42.33	88.30	88.18	-----	----- Average

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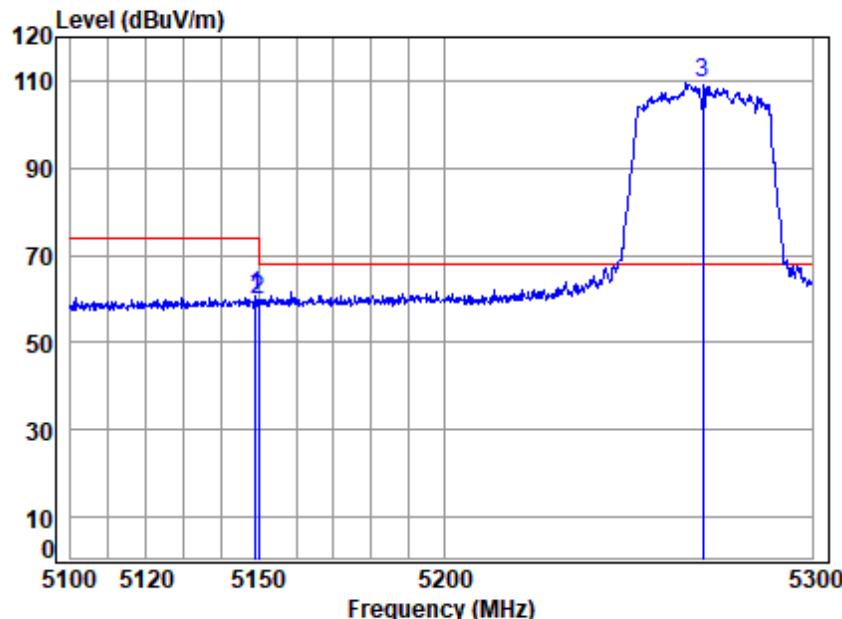
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5270 Band edge
: 5G WIFI 11AC40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5149.083	7.57	34.32	42.32	60.97	60.54	74.00	-13.46 Peak
2 5149.980	7.57	34.32	42.32	60.07	59.64	74.00	-14.36 Peak
3 * 5270.000	7.79	34.42	42.33	109.60	109.48	68.20	41.28 Peak

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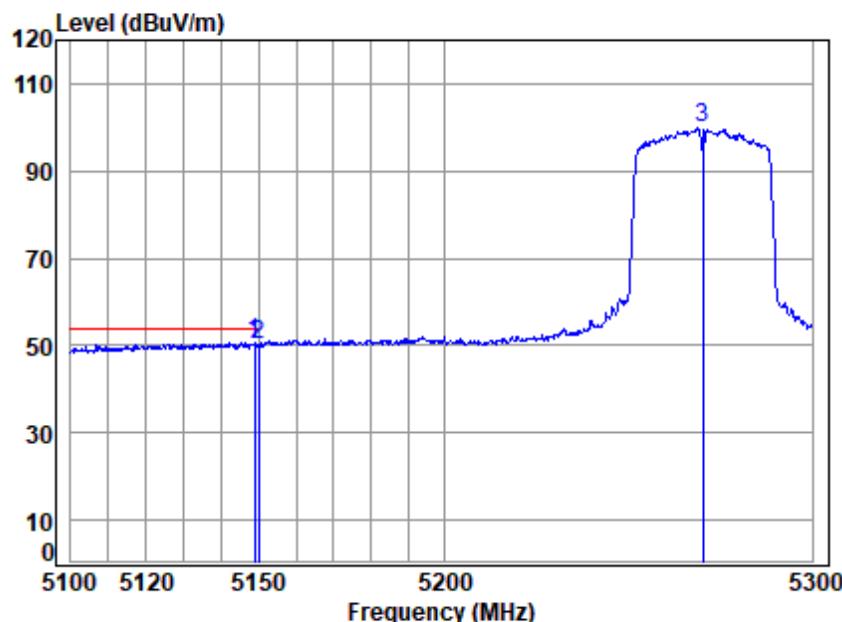
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



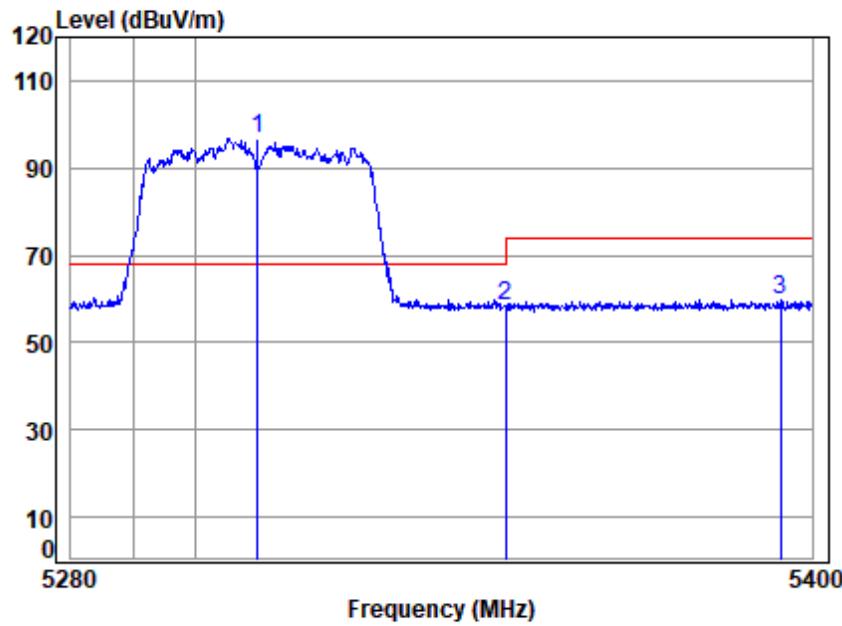
Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5270 Band edge
: 5G WIFI 11AC40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5148.885	7.57	34.32	42.32	51.24	50.81	54.00	-3.19 Average
2 5149.980	7.57	34.32	42.32	50.73	50.30	54.00	-3.70 Average
3 5270.000	7.79	34.42	42.33	100.07	99.95	-----	----- Average



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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5310 Band edge
: 5G WIFI 11AC40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5310.000	7.86	34.45	42.33	96.66	96.64	68.20	28.44 peak
2 5350.020	7.92	34.48	42.34	58.34	58.40	74.00	-15.60 peak
3 5394.784	8.00	34.52	42.34	59.72	59.90	74.00	-14.10 peak



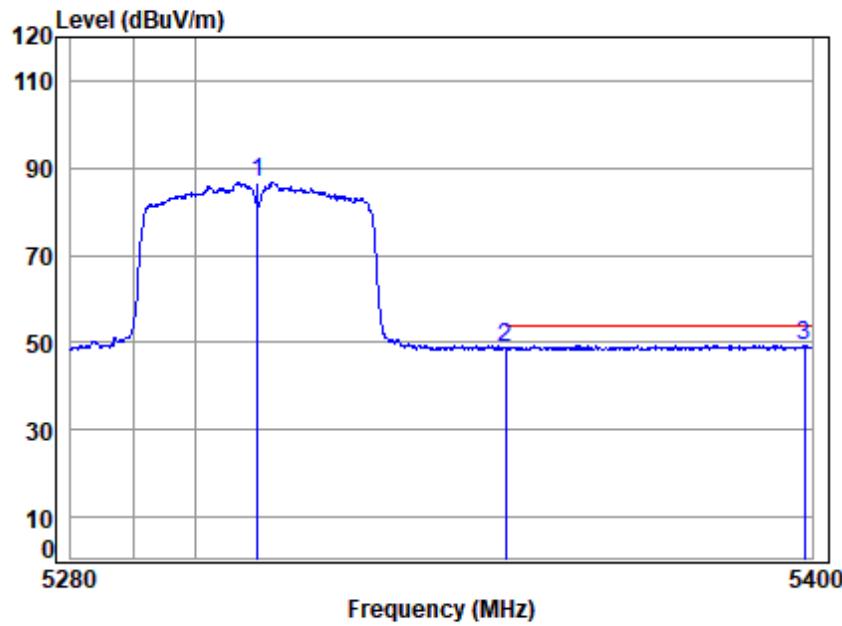
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5310 Band edge
: 5G WIFI 11AC40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5310.000	7.86	34.45	42.33	86.86	86.84	-----	Average
2 5350.020	7.92	34.48	42.34	48.92	48.98	54.00	-5.02 Average
3 5398.787	8.01	34.52	42.34	49.30	49.49	54.00	-4.51 Average

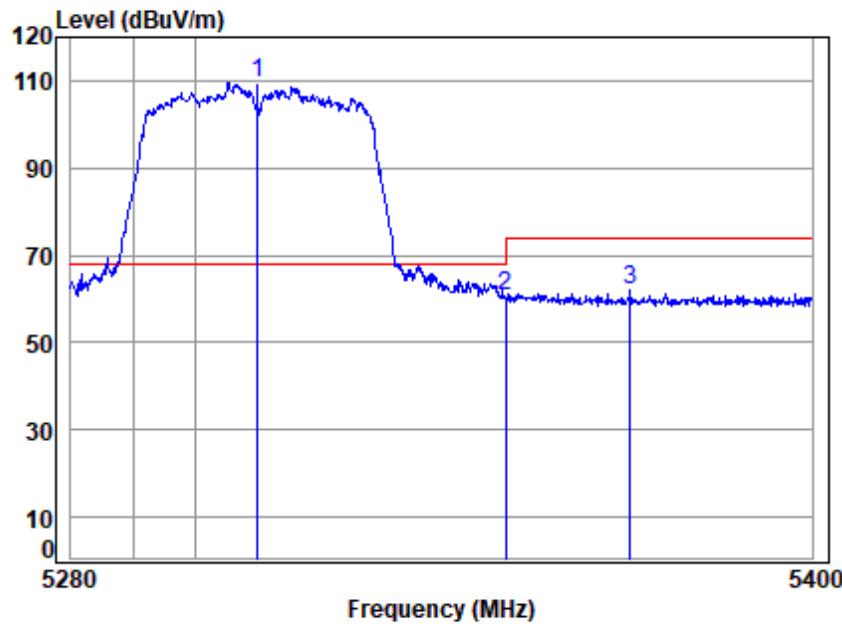
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5310 Band edge
: 5G WIFI 11AC40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1 * 5310.000	7.86	34.45	42.33	109.58	109.56	68.20	41.36	Peak
2 5350.020	7.92	34.48	42.34	60.43	60.49	74.00	-13.51	Peak
3 5370.229	7.96	34.50	42.34	61.99	62.11	74.00	-11.89	Peak

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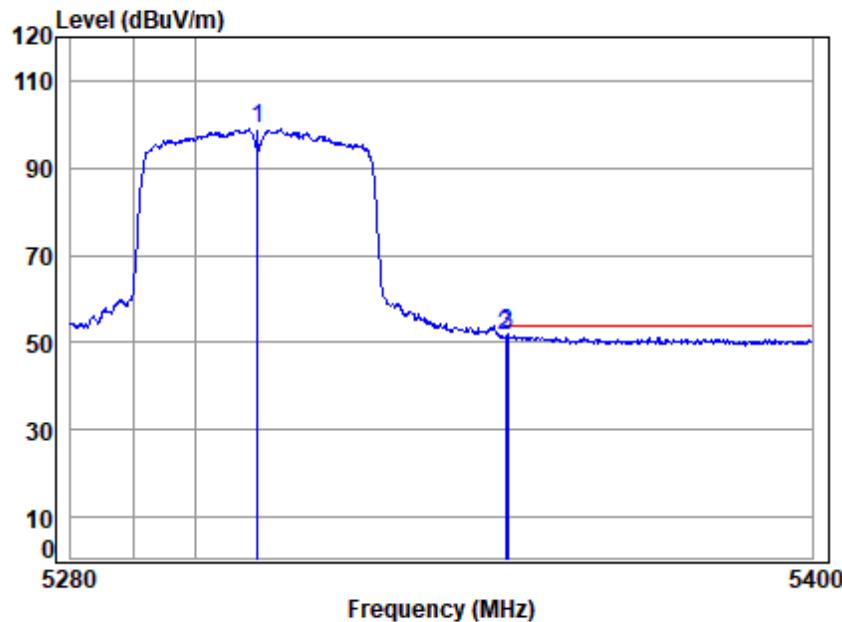
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5310 Band edge
: 5G WIFI 11AC40

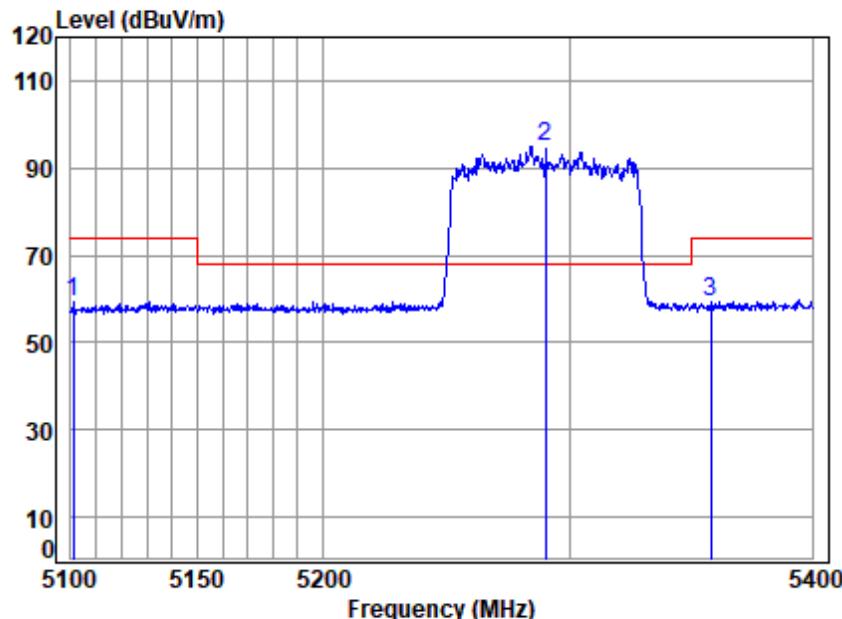
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5310.000	7.86	34.45	42.33	98.87	98.85	-----	Average
2 5350.020	7.92	34.48	42.34	51.50	51.56	54.00	-2.44 Average
3 5350.474	7.93	34.48	42.34	52.07	52.14	54.00	-1.86 Average

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5290 Band edge
: 5G WIFI 11AC80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1	5100.875	7.48	34.28	42.31	59.76	59.21	74.00	-14.79 peak
2 *	5290.000	7.82	34.44	42.33	95.18	95.11	68.20	26.91 peak
3	5358.186	7.94	34.49	42.34	59.42	59.51	74.00	-14.49 peak

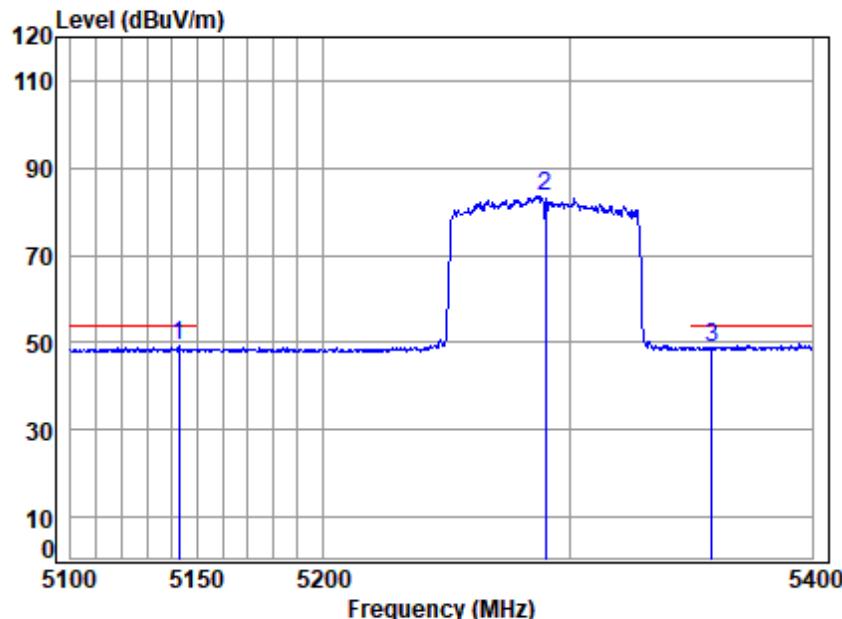


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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5290 Band edge
: 5G WIFI 11AC80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1	5142.738	7.56	34.32	42.32	49.71	49.27	54.00	-4.73 Average
2	5290.000	7.82	34.44	42.33	83.65	83.58	-----	----- Average
3	5358.492	7.94	34.49	42.34	48.94	49.03	54.00	-4.97 Average

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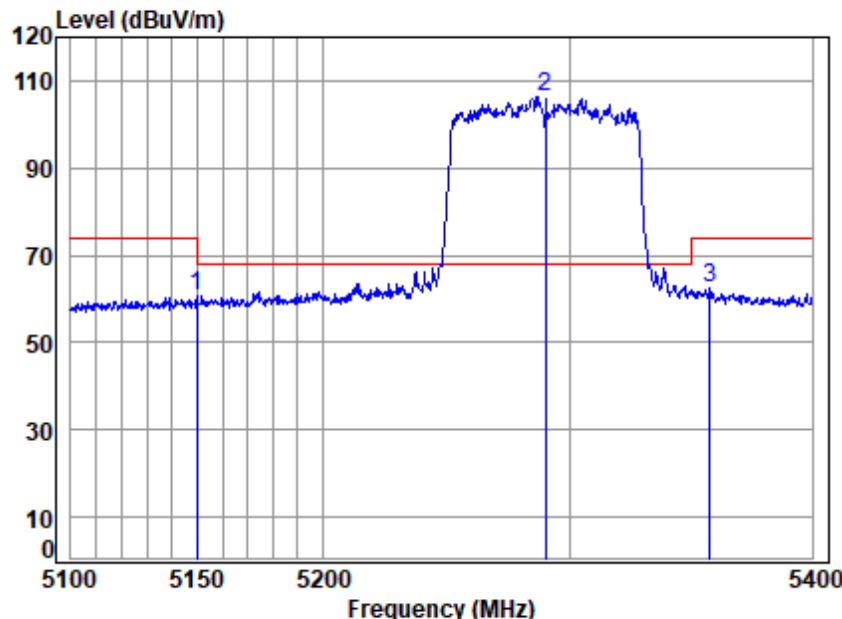
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5290 Band edge
: 5G WIFI 11AC80

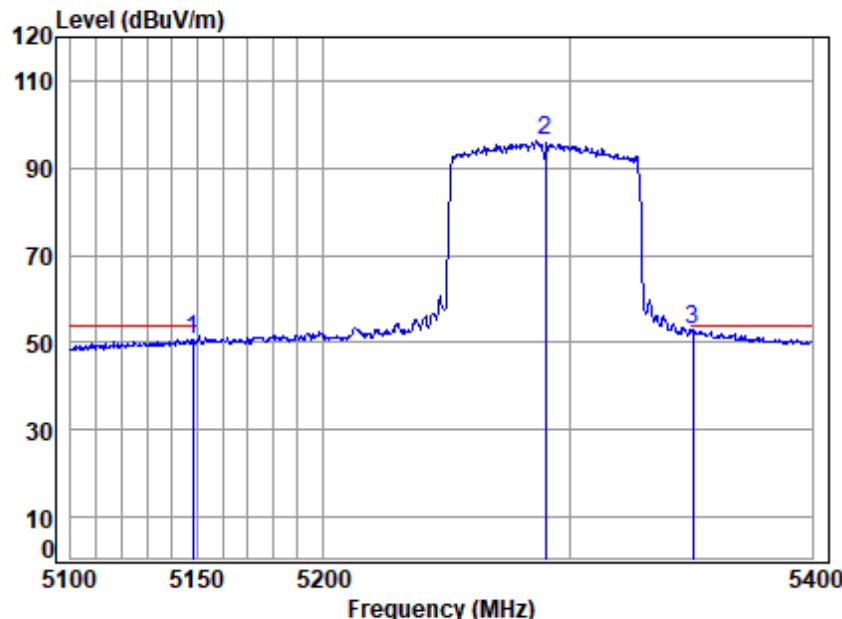
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5149.798	7.57	34.32	42.32	60.96	60.53	74.00	-13.47 Peak
2 * 5290.000	7.82	34.44	42.33	106.58	106.51	68.20	38.31 Peak
3 5357.573	7.94	34.49	42.34	62.31	62.40	74.00	-11.60 Peak



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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5290 Band edge
: 5G WIFI 11AC80

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5148.326	7.57	34.32	42.32	51.10	50.67	54.00	-3.33 Average
2 5290.000	7.82	34.44	42.33	96.24	96.17	-----	----- Average
3 5350.535	7.93	34.48	42.34	52.69	52.76	54.00	-1.24 Average

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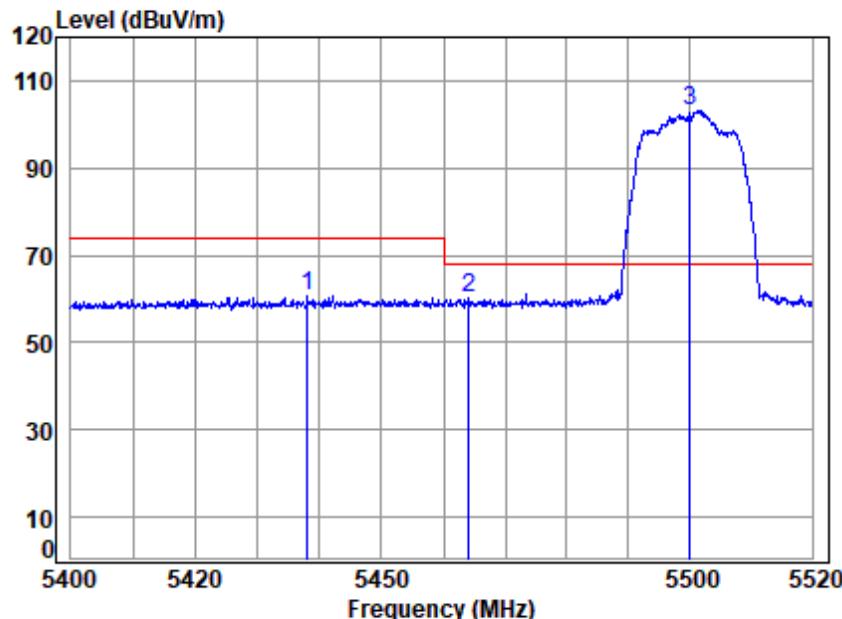
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5500 Band edge
: 5G WIFI 11A

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5437.994	8.08	34.55	42.35	60.39	60.67	74.00	-13.33 peak
2 5464.112	8.12	34.57	42.35	59.92	60.26	68.20	-7.94 peak
3 * 5500.000	8.18	34.60	42.35	102.74	103.17	68.20	34.97 peak

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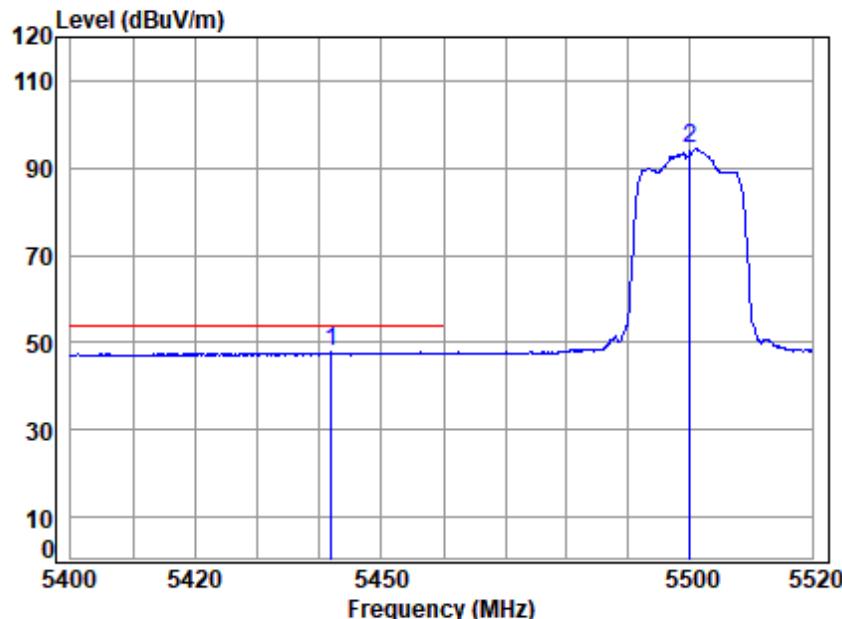
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5500 Band edge
: 5G WIFI 11A

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5441.820	8.08	34.56	42.35	47.46	47.75	54.00	-6.25 Average
2 5500.000	8.18	34.60	42.35	94.09	94.52	-----	----- Average



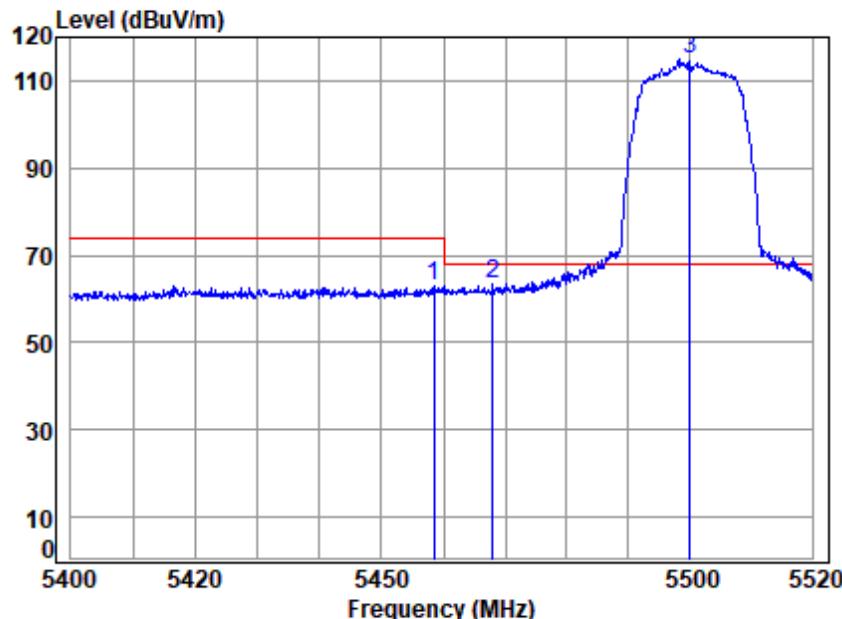
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Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5500 Band edge
: 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1	5458.471	8.11	34.57	42.35	62.81	63.14	74.00	-10.86 Peak
2	5467.957	8.13	34.58	42.35	63.20	63.56	68.20	-4.64 peak
3 *	5500.000	8.18	34.60	42.35	114.40	114.83	68.20	46.63 Peak

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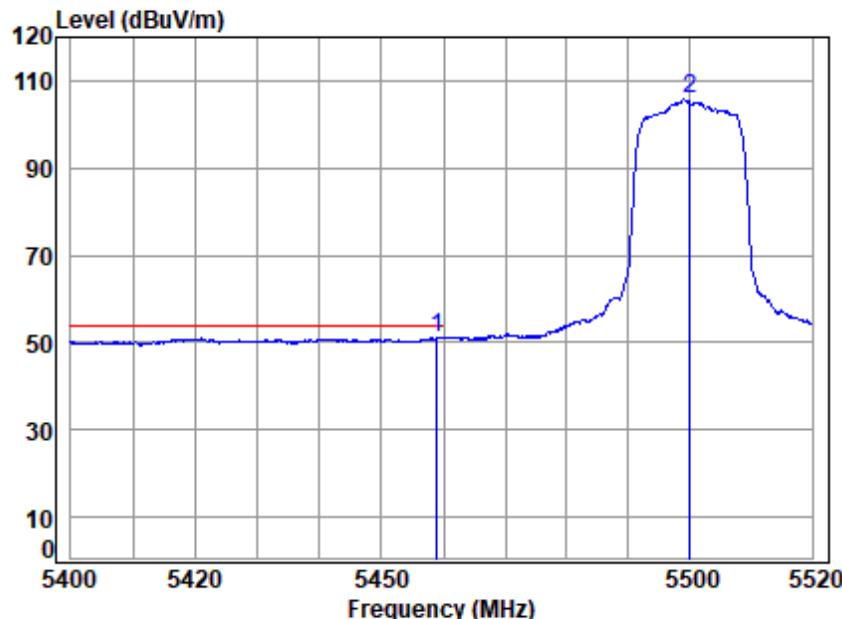
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Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5500 Band edge
: 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	5458.950	8.11	34.57	42.35	50.82	51.15	54.00	-2.85	Average
2	5500.000	8.18	34.60	42.35	105.26	105.69	-----	-----	Average

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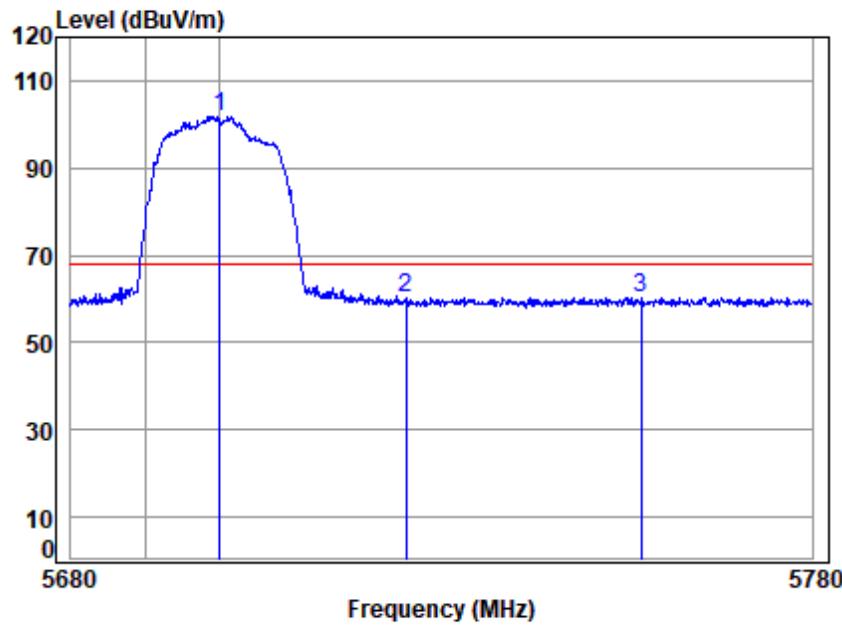
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5700 Band edge
: 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1 * 5700.000	8.21	34.81	42.37	101.17	101.82	68.20	33.62	peak
2 5725.000	8.22	34.83	42.37	59.35	60.03	68.20	-8.17	peak
3 5756.845	8.22	34.86	42.38	59.67	60.37	68.20	-7.83	peak

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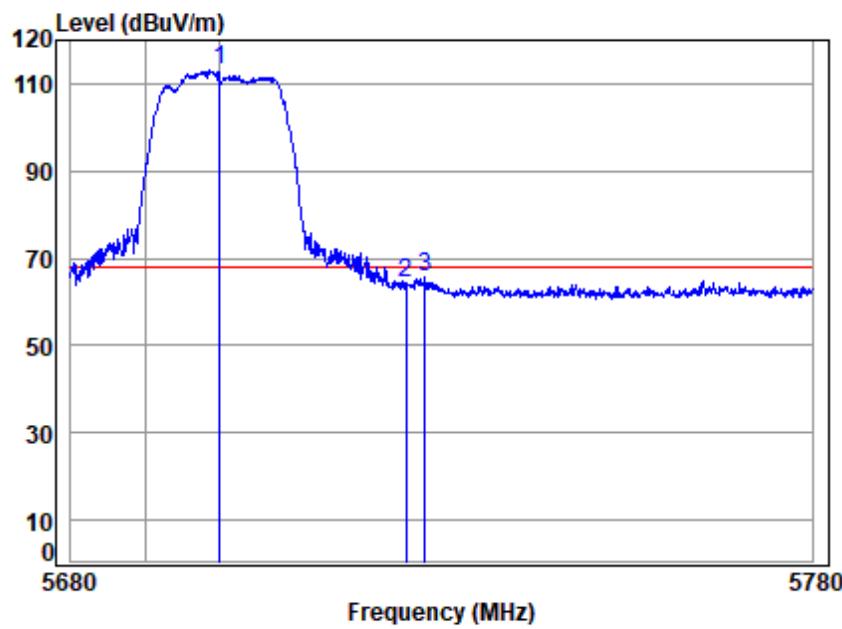
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Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5700 Band edge
: 5G WIFI 11A

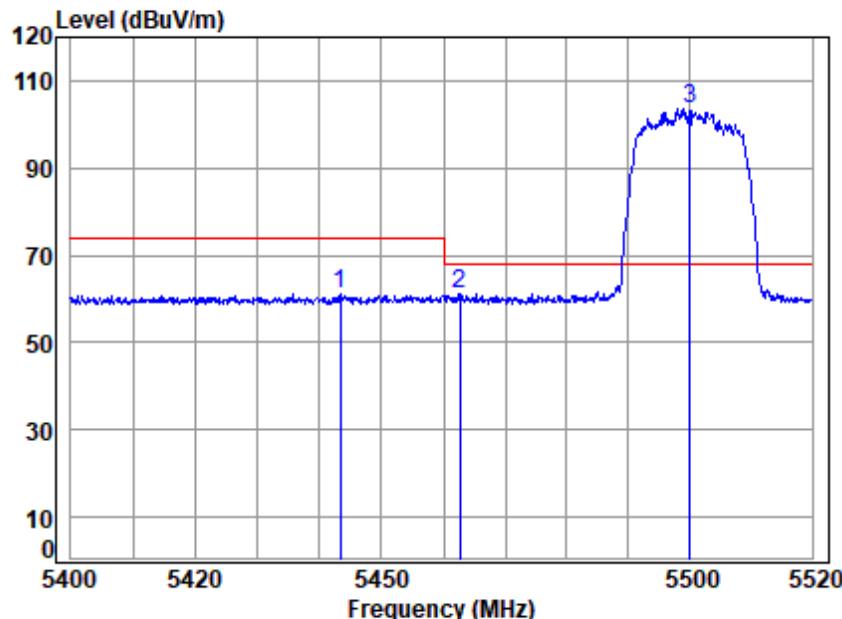
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1 * 5700.000	8.21	34.81	42.37	112.38	113.03	68.20	44.83	Peak
2 5725.000	8.22	34.83	42.37	63.73	64.41	68.20	-3.79	Peak
3 5727.583	8.22	34.83	42.37	64.82	65.50	68.20	-2.70	Peak

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5500 Band edge
: 5G WIFI 11N20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5443.375	8.08	34.56	42.35	60.69	60.98	74.00	-13.02 peak
2 5462.671	8.12	34.57	42.35	60.87	61.21	68.20	-6.99 peak
3 * 5500.000	8.18	34.60	42.35	103.31	103.74	68.20	35.54 peak

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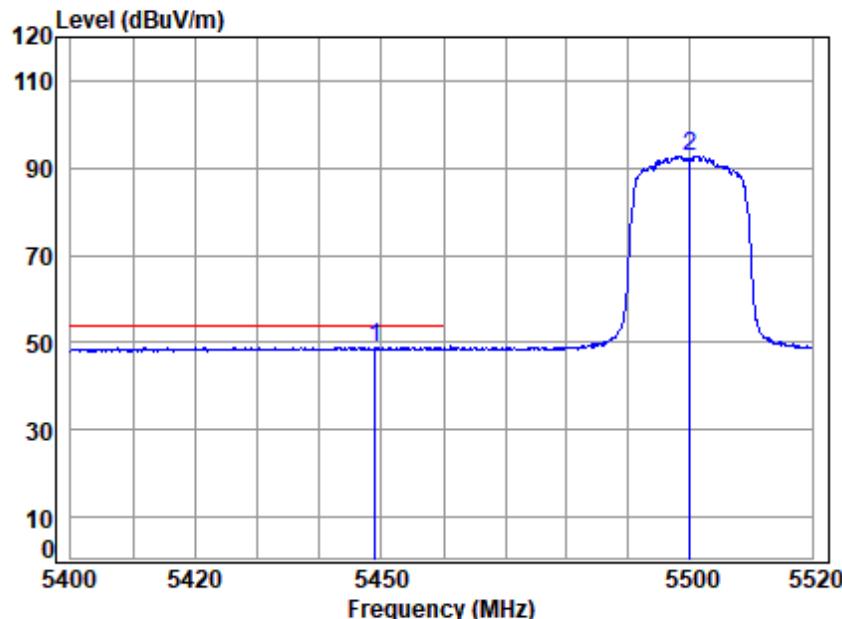
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5500 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	
1	5449.001	8.09	34.56	42.35	48.62	48.92	54.00	-5.08	Average
2	5500.000	8.18	34.60	42.35	92.41	92.84	-----	-----	Average

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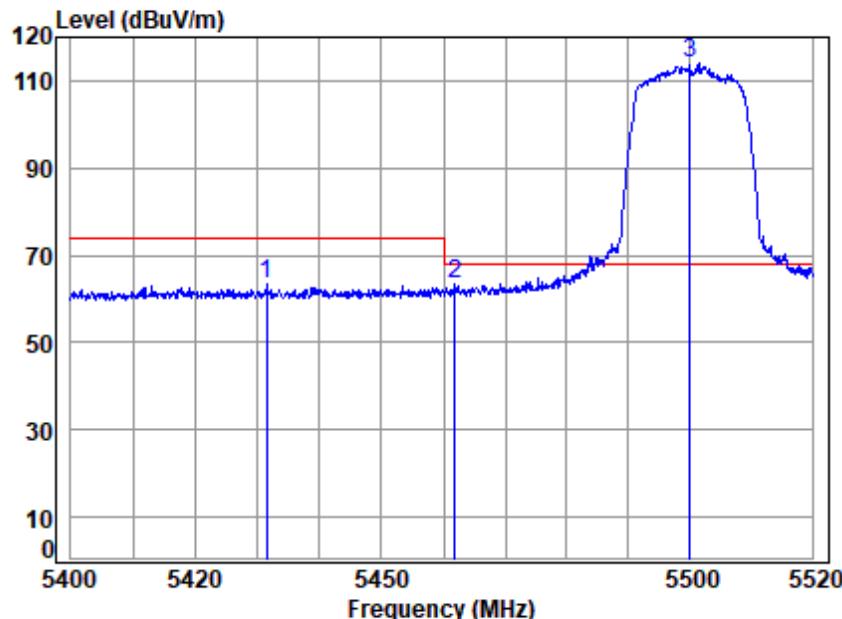
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Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5500 Band edge
: 5G WIFI 11N20

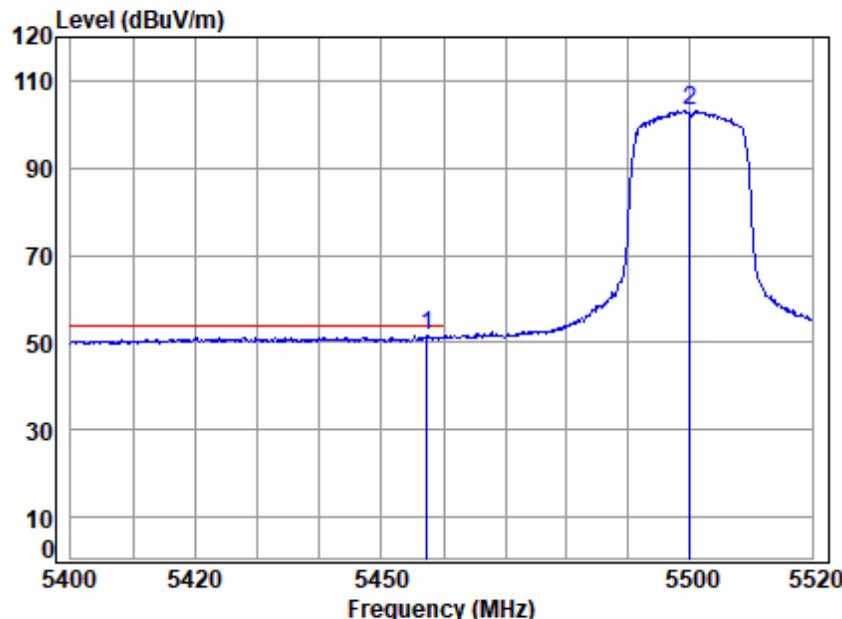
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5431.424	8.06	34.55	42.35	62.94	63.20	74.00	-10.80 Peak
2 5461.831	8.12	34.57	42.35	63.25	63.59	68.20	-4.61 peak
3 * 5500.000	8.18	34.60	42.35	113.52	113.95	68.20	45.75 Peak



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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5500 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	5457.271	8.11	34.57	42.35	51.16	51.49	54.00	-2.51	Average
2	5500.000	8.18	34.60	42.35	102.81	103.24	-----	-----	Average

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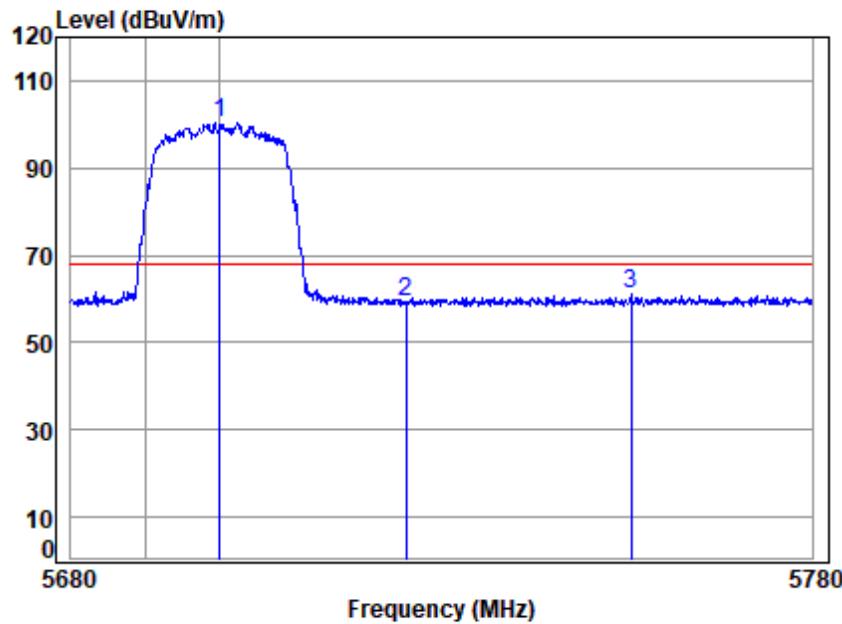
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



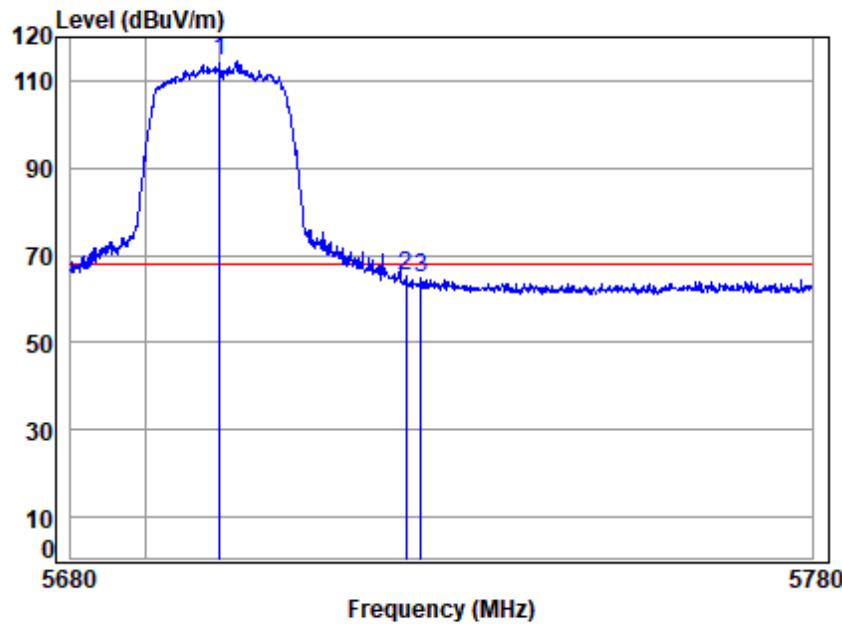
Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5700 Band edge
: 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1 *	5700.000	8.21	34.81	42.37	99.79	100.44	68.20	32.24 peak
2	5725.000	8.22	34.83	42.37	58.65	59.33	68.20	-8.87 peak
3	5755.439	8.22	34.86	42.38	60.30	61.00	68.20	-7.20 peak

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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5700 Band edge
: 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1 *	5700.000	8.21	34.81	42.37	113.97	114.62	68.20	46.42 Peak
2	5725.000	8.22	34.83	42.37	64.43	65.11	68.20	-3.09 Peak
3	5727.083	8.22	34.83	42.37	64.02	64.70	68.20	-3.50 Peak

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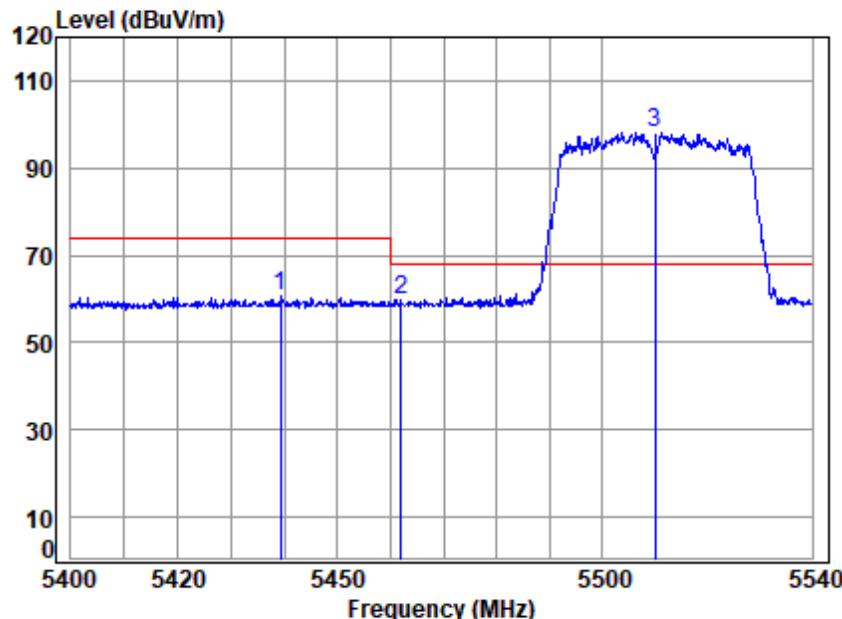
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5510 Band edge
: 5G WIFI 11N40

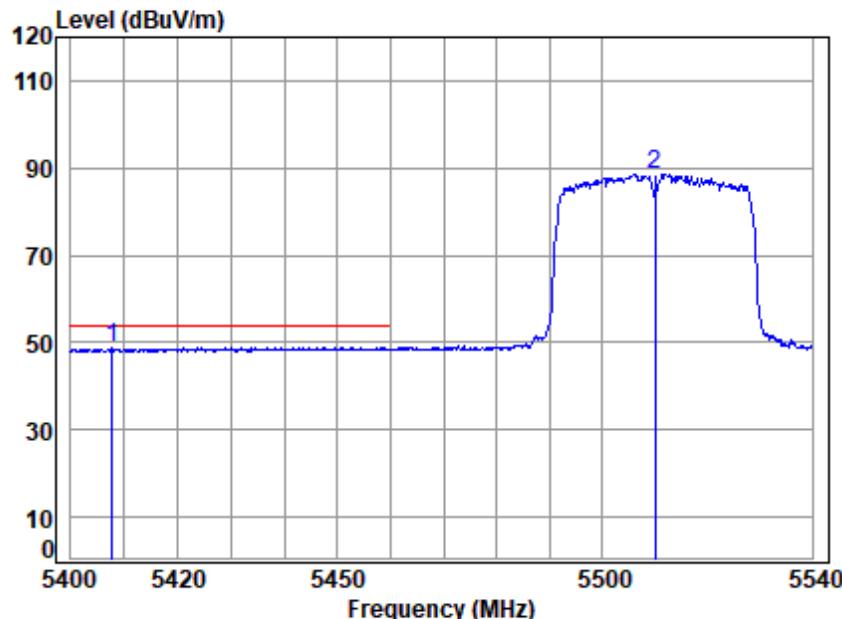
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5439.257	8.08	34.55	42.35	60.51	60.79	74.00 -13.21 peak
2	5461.858	8.12	34.57	42.35	59.55	59.89	68.20 -8.31 peak
3 *	5510.000	8.18	34.61	42.35	97.56	98.00	68.20 29.80 peak



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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5510 Band edge
: 5G WIFI 11N40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1	5407.746	8.02	34.53	42.34	48.75	48.96	54.00	-5.04 Average
2	5510.000	8.18	34.61	42.35	88.27	88.71	-----	----- Average

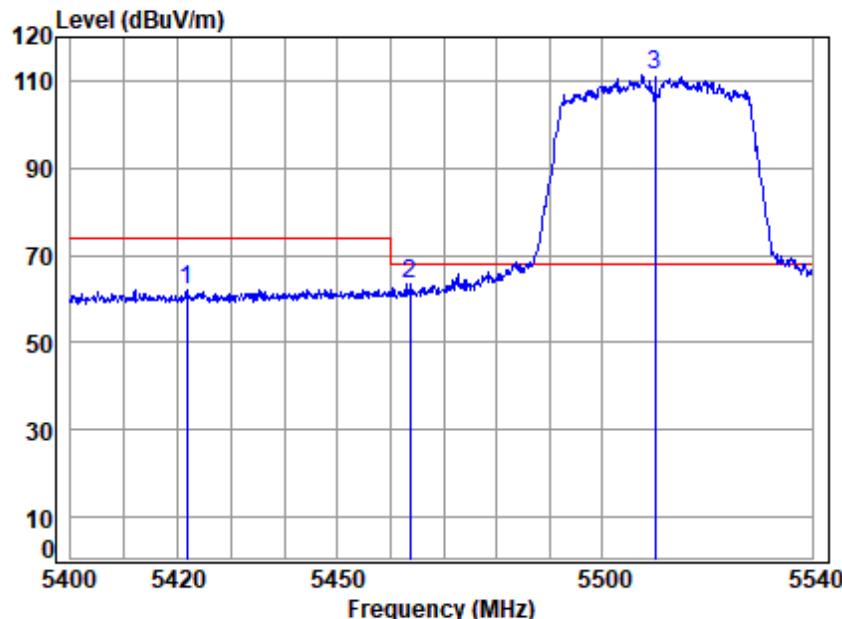
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Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5510 Band edge
: 5G WIFI 11N40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
1 5421.744	8.05	34.54	42.34	62.01	62.26	74.00	-11.74	Peak
2 5463.675	8.12	34.57	42.35	63.24	63.58	68.20	-4.62	peak
3 * 5510.000	8.18	34.61	42.35	110.77	111.21	68.20	43.01	Peak

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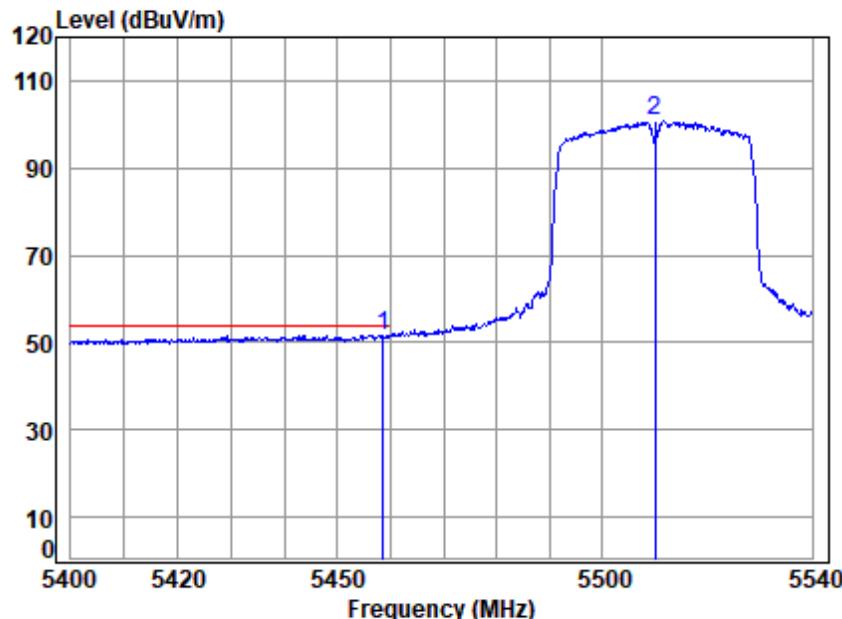
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Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5510 Band edge
: 5G WIFI 11N40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5458.643	8.11	34.57	42.35	51.36	51.69	54.00	-2.31 Average
2 5510.000	8.18	34.61	42.35	100.37	100.81	-----	----- Average



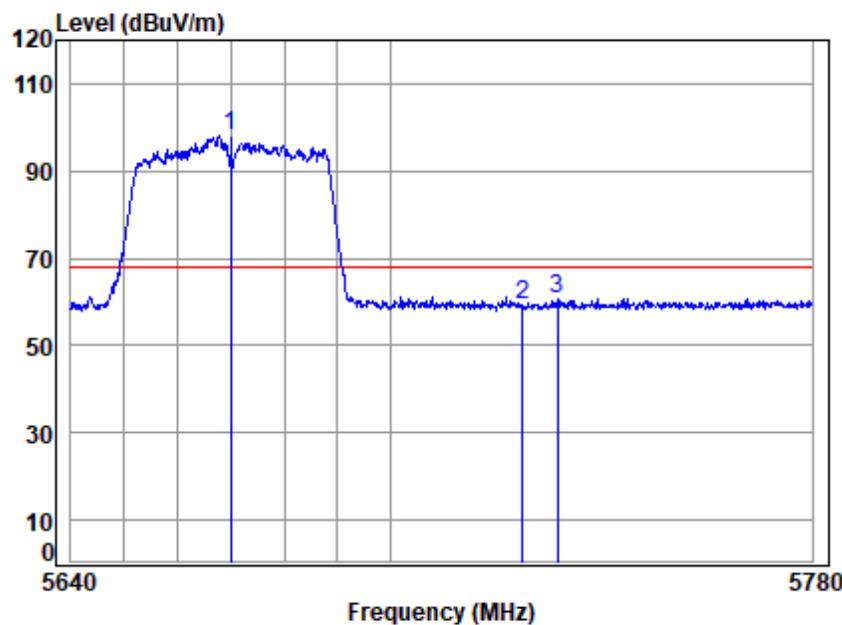
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5670 Band edge
: 5G WIFI 11N40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5670.000	8.21	34.77	42.37	97.30	97.91	68.20	29.71 peak
2 5725.000	8.22	34.83	42.37	58.48	59.16	68.20	-9.04 peak
3 5731.452	8.22	34.84	42.37	60.09	60.78	68.20	-7.42 peak



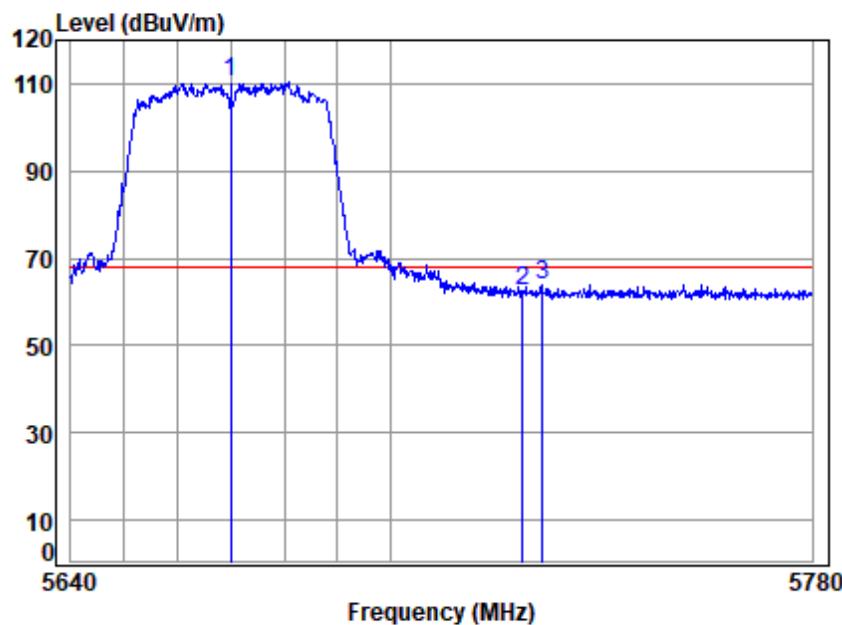
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Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5670 Band edge
: 5G WIFI 11N40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1 * 5670.000	8.21	34.77	42.37	109.61	110.22	68.20	42.02	Peak
2 5725.000	8.22	34.83	42.37	61.95	62.63	68.20	-5.57	Peak
3 5728.642	8.22	34.83	42.37	63.39	64.07	68.20	-4.13	Peak

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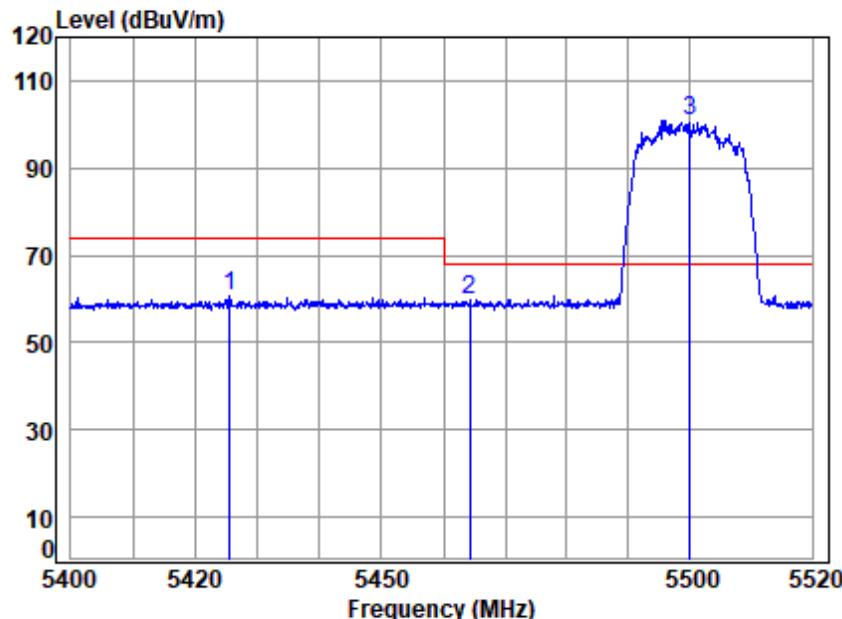
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5500 Band edge
: 5G WIFI 11AC20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5425.578	8.05	34.54	42.34	60.21	60.46	74.00	-13.54 peak
2 5464.232	8.12	34.57	42.35	59.52	59.86	68.20	-8.34 peak
3 * 5500.000	8.18	34.60	42.35	100.37	100.80	68.20	32.60 peak



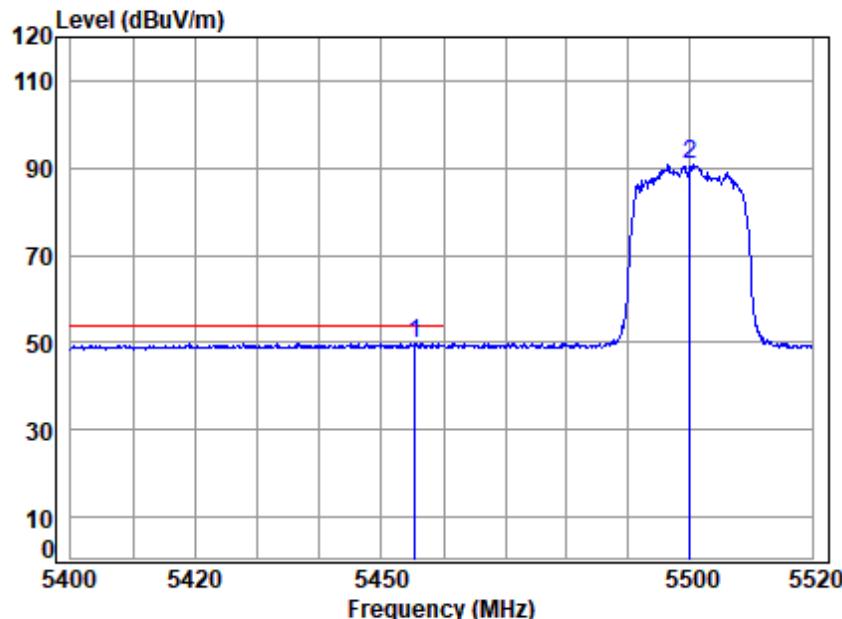
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5500 Band edge
: 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	5455.352	8.10	34.57	42.35	49.61	49.93	54.00	-4.07	Average
2	5500.000	8.18	34.60	42.35	90.48	90.91	-----	-----	Average

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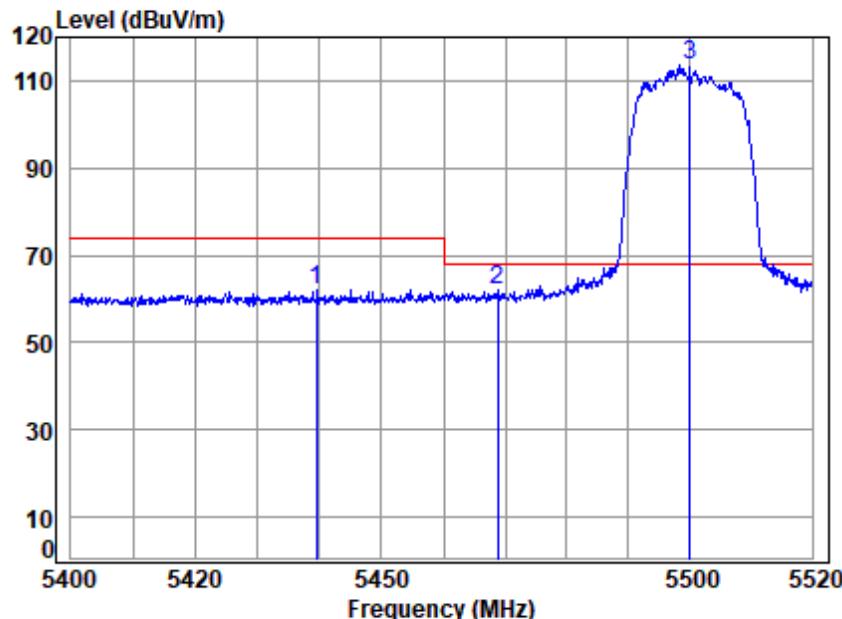
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5500 Band edge
: 5G WIFI 11AC20

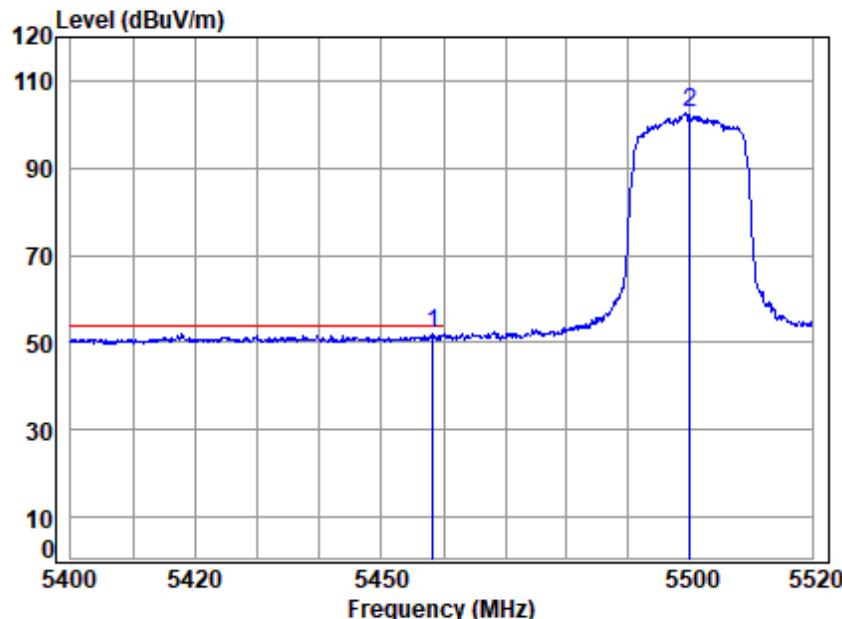
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5439.548	8.08	34.55	42.35	61.62	61.90	74.00 -12.10 Peak
2	5468.798	8.13	34.58	42.35	61.63	61.99	68.20 -6.21 peak
3 *	5500.000	8.18	34.60	42.35	113.13	113.56	68.20 45.36 Peak



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



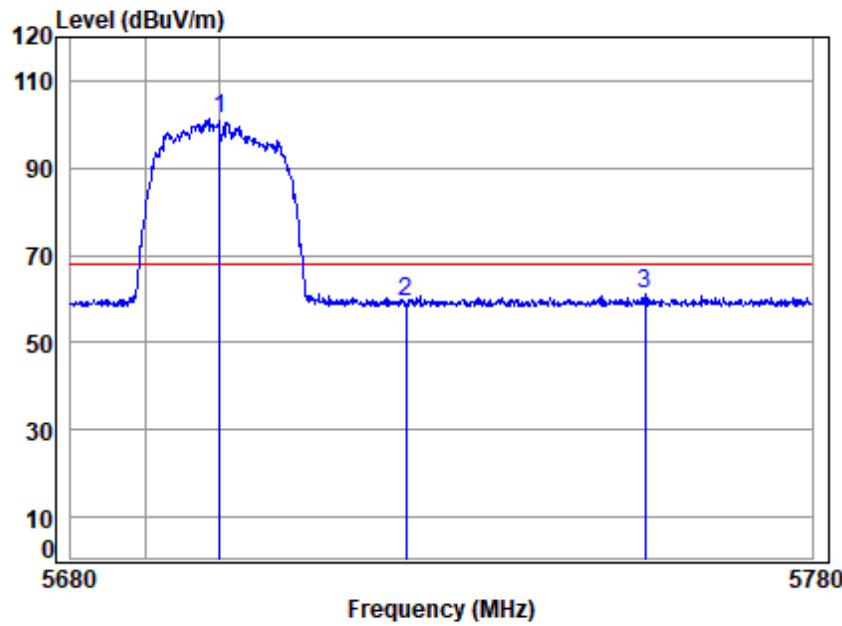
Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5500 Band edge
: 5G WIFI 11AC20

	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	
1	5458.351	8.11	34.57	42.35	51.71	52.04	54.00	-1.96	Average
2	5500.000	8.18	34.60	42.35	102.15	102.58	-----	-----	Average

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5700 Band edge
: 5G WIFI 11AC20

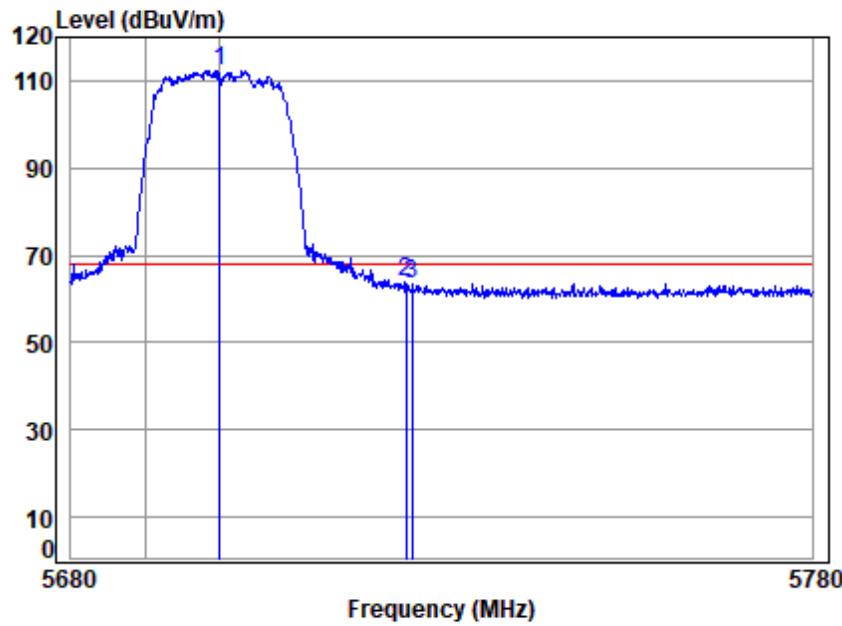
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1 * 5700.000	8.21	34.81	42.37	100.56	101.21	68.20	33.01	peak
2 5725.000	8.22	34.83	42.37	58.82	59.50	68.20	-8.70	peak
3 5757.348	8.22	34.86	42.38	60.34	61.04	68.20	-7.16	peak

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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5700 Band edge
: 5G WIFI 11AC20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1 *	5700.000	8.21	34.81	42.37	111.70	112.35	68.20	44.15 Peak
2	5725.000	8.22	34.83	42.37	63.27	63.95	68.20	-4.25 Peak
3	5725.883	8.22	34.83	42.37	62.91	63.59	68.20	-4.61 Peak

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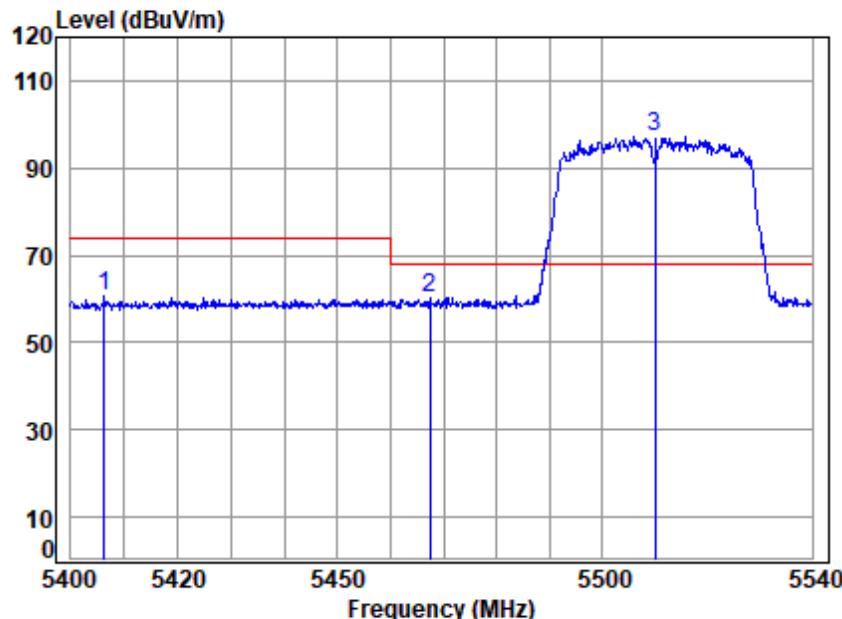
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5510 Band edge
: 5G WIFI 11AC40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5406.223	8.02	34.53	42.34	60.44	60.65	74.00	-13.35 peak
2 5467.313	8.12	34.57	42.35	59.69	60.03	68.20	-8.17 peak
3 * 5510.000	8.18	34.61	42.35	96.86	97.30	68.20	29.10 peak

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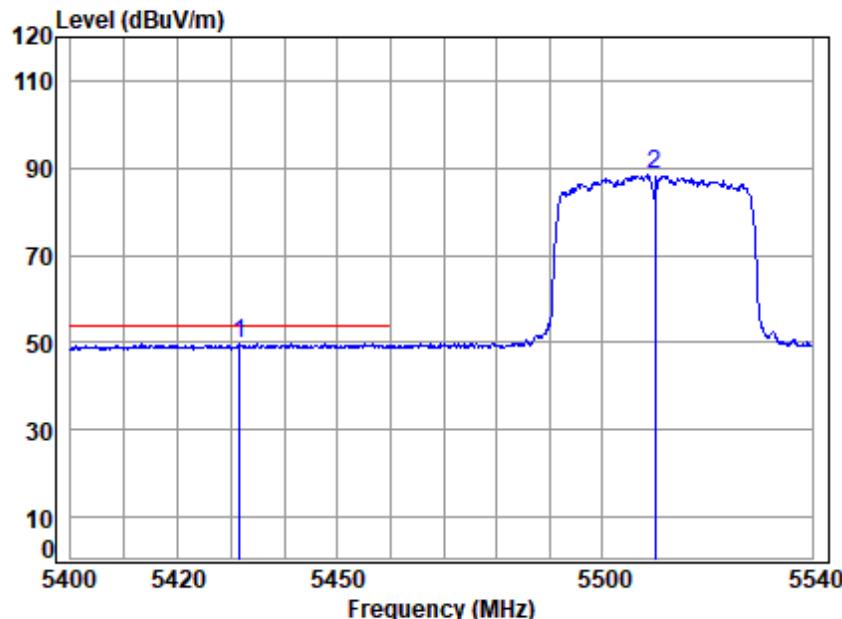
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5510 Band edge
: 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	
1	5431.605	8.06	34.55	42.35	49.59	49.85	54.00	-4.15	Average
2	5510.000	8.18	34.61	42.35	87.90	88.34	-----	-----	Average



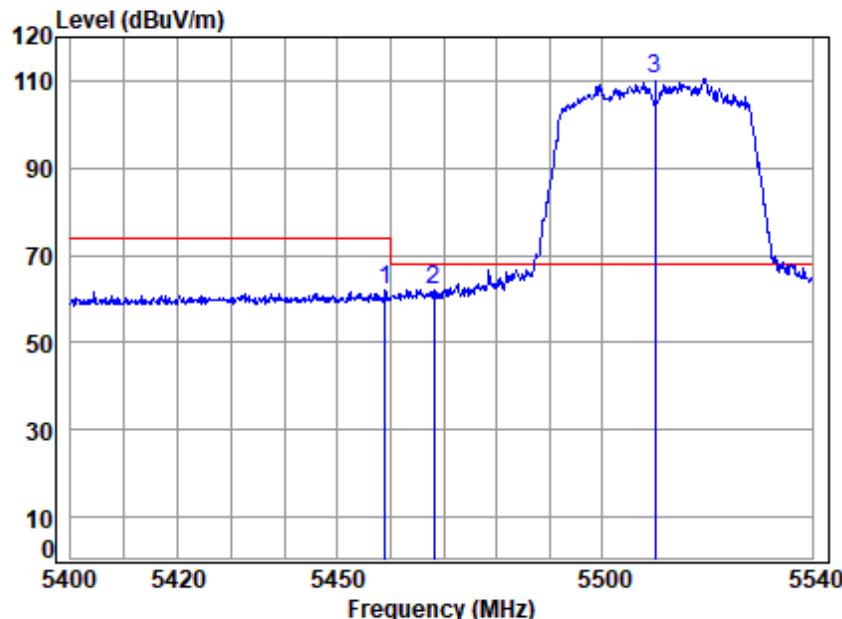
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5510 Band edge
: 5G WIFI 11AC40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5458.923	8.11	34.57	42.35	61.50	61.83	74.00	-12.17 Peak
2 5468.152	8.13	34.58	42.35	61.82	62.18	68.20	-6.02 peak
3 * 5510.000	8.18	34.61	42.35	109.91	110.35	68.20	42.15 Peak



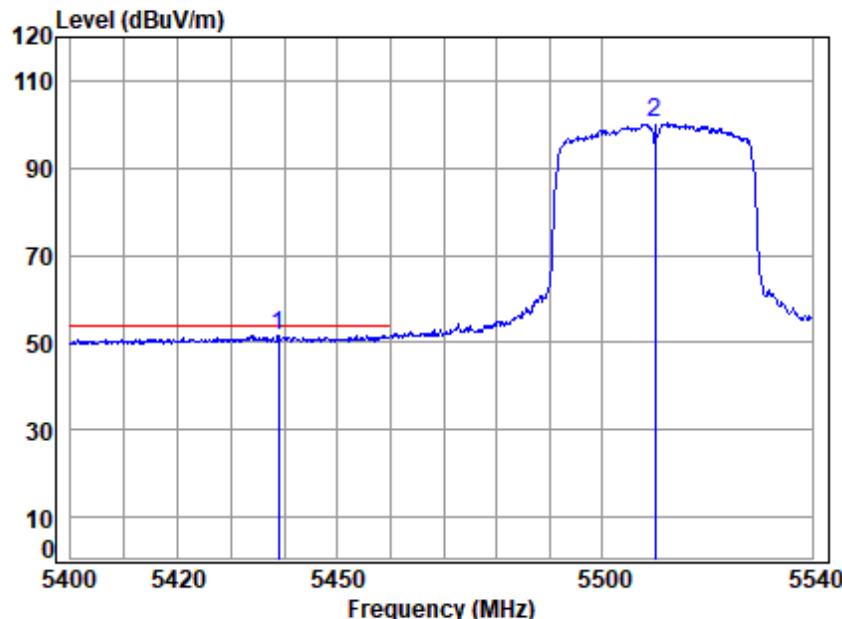
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5510 Band edge
: 5G WIFI 11AC40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5438.839	8.08	34.55	42.35	51.38	51.66	54.00	-2.34 Average
2 5510.000	8.18	34.61	42.35	99.98	100.42	-----	----- Average



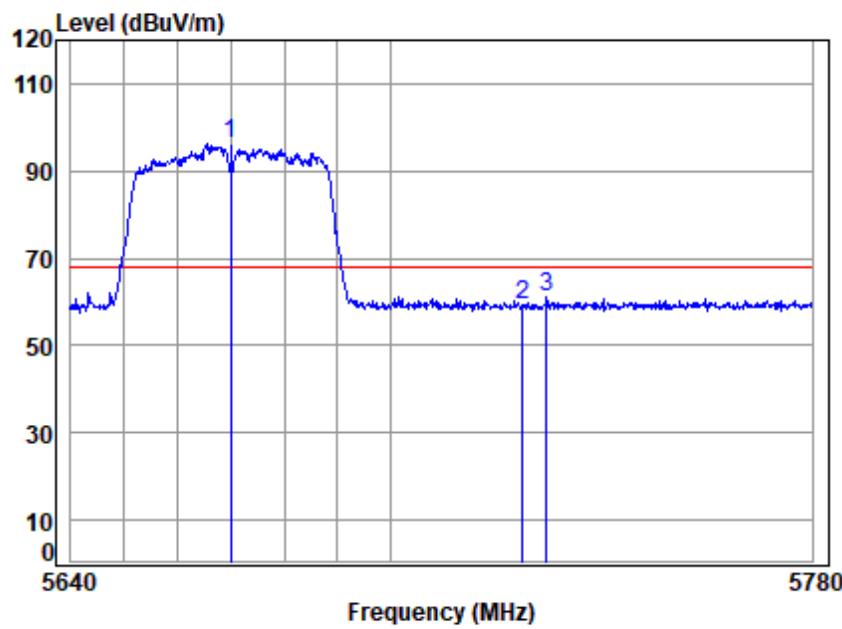
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5670 Band edge
: 5G WIFI 11AC40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5670.000	8.21	34.77	42.37	95.44	96.05	68.20	27.85 peak
2 5725.000	8.22	34.83	42.37	58.58	59.26	68.20	-8.94 peak
3 5729.485	8.22	34.83	42.37	60.53	61.21	68.20	-6.99 peak



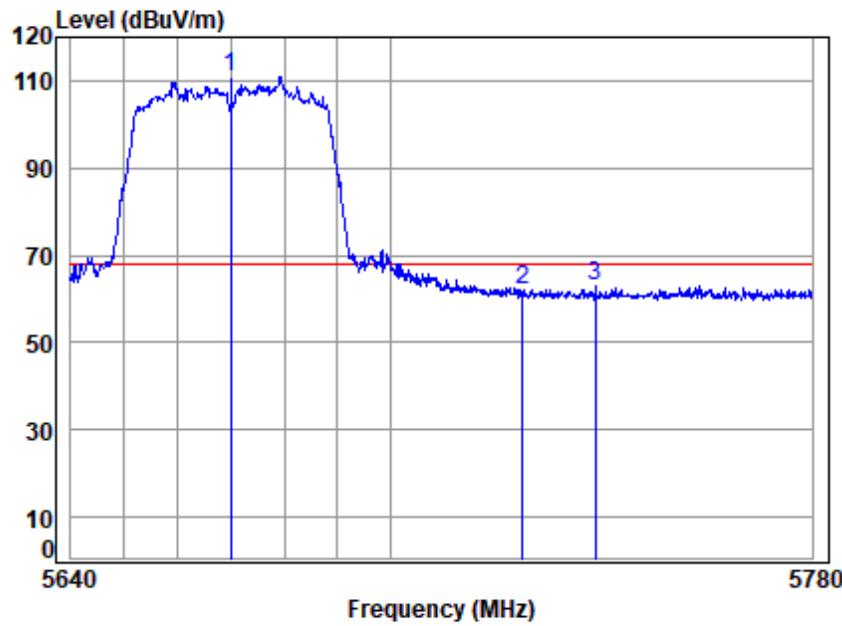
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5670 Band edge
: 5G WIFI 11AC40

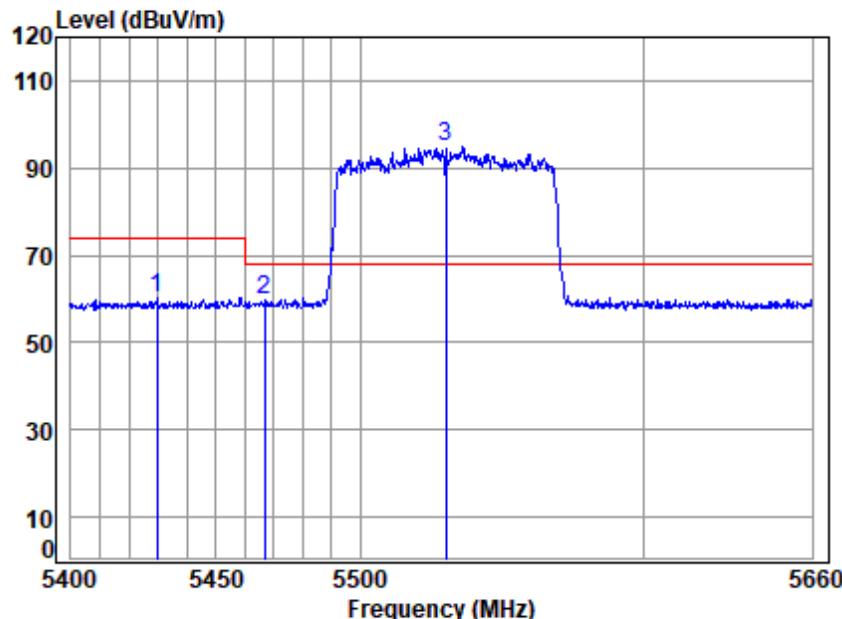
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1 * 5670.000	8.21	34.77	42.37	110.14	110.75	68.20	42.55	Peak
2 5725.000	8.22	34.83	42.37	61.27	61.95	68.20	-6.25	Peak
3 5738.765	8.22	34.84	42.38	62.35	63.03	68.20	-5.17	Peak

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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5530 Band edge
: 5G WIFI 11AC80

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5429.792	8.06	34.55	42.35	59.89	60.15	74.00	-13.85 peak
2 5466.686	8.12	34.57	42.35	59.32	59.66	68.20	-8.54 peak
3 * 5530.000	8.19	34.63	42.36	94.27	94.73	68.20	26.53 peak

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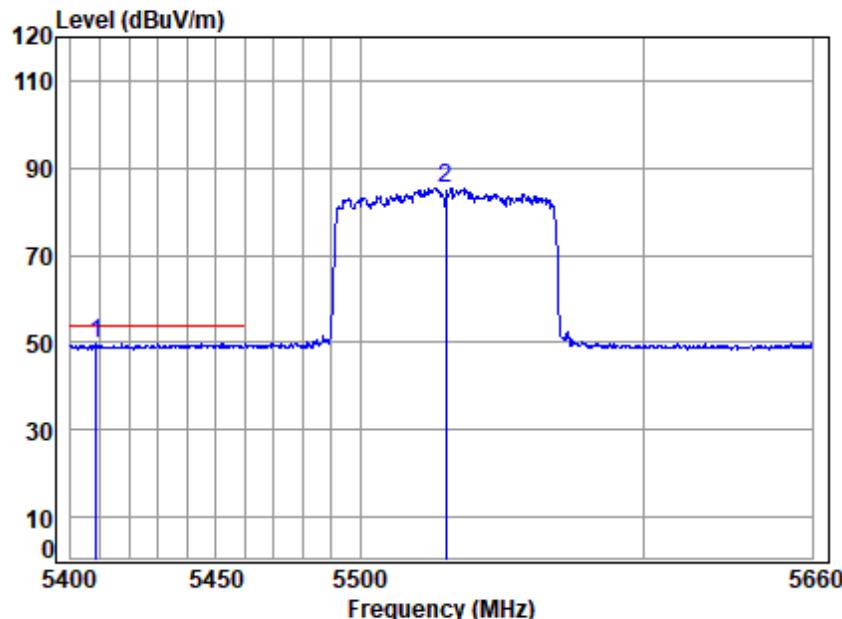
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5530 Band edge
: 5G WIFI 11AC80

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5408.895	8.03	34.53	42.34	49.57	49.79	54.00	-4.21 Average
2 5530.000	8.19	34.63	42.36	84.95	85.41	-----	----- Average

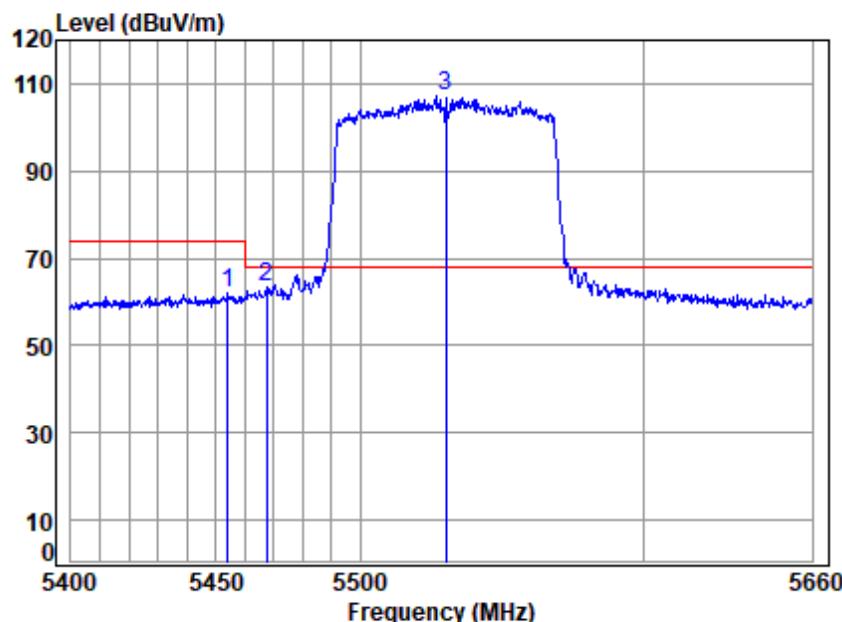
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5530 Band edge
: 5G WIFI 11AC80

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5454.104	8.10	34.56	42.35	61.54	61.85	74.00	-12.15 Peak
2 5467.457	8.13	34.58	42.35	63.12	63.48	68.20	-4.72 peak
3 * 5530.000	8.19	34.63	42.36	106.55	107.01	68.20	38.81 Peak



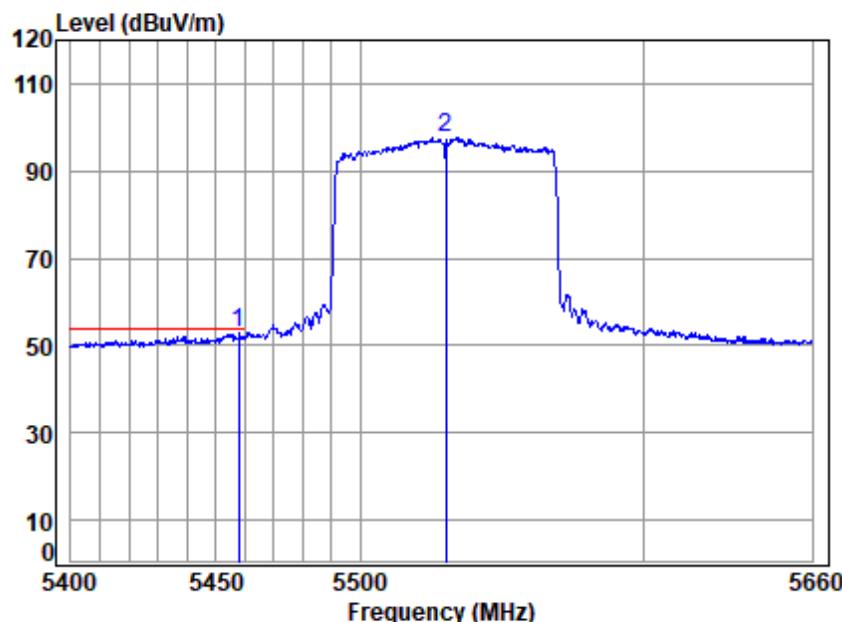
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5530 Band edge
: 5G WIFI 11AC80

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5457.952	8.11	34.57	42.35	52.50	52.83	54.00	-1.17 Average
2 5530.000	8.19	34.63	42.36	97.28	97.74	-----	----- Average



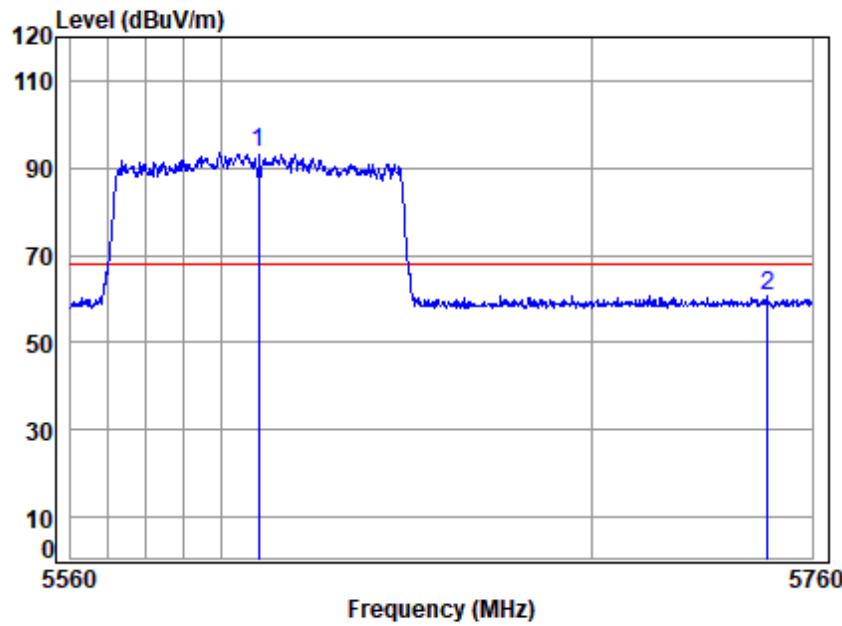
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5610 Band edge
: 5G WIFI 11AC80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1 * 5610.000	8.20	34.71	42.36	93.07	93.62	68.20	25.42	peak
2 5747.800	8.22	34.85	42.38	59.84	60.53	68.20	-7.67	peak



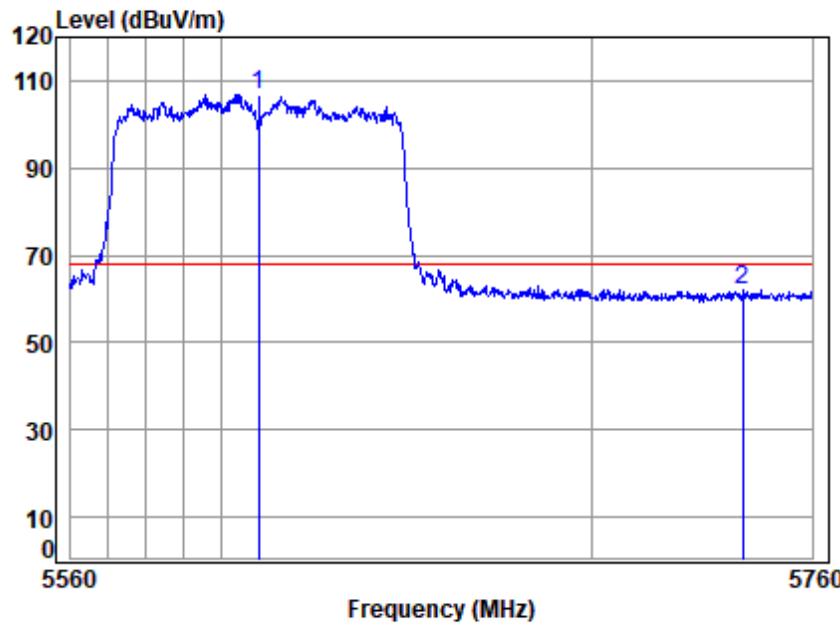
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5610 Band edge
: 5G WIFI 11AC80

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 * 5610.000	8.20	34.71	42.36	106.28	106.83	68.20	38.63 Peak
2 5740.897	8.22	34.85	42.38	61.19	61.88	68.20	-6.32 Peak

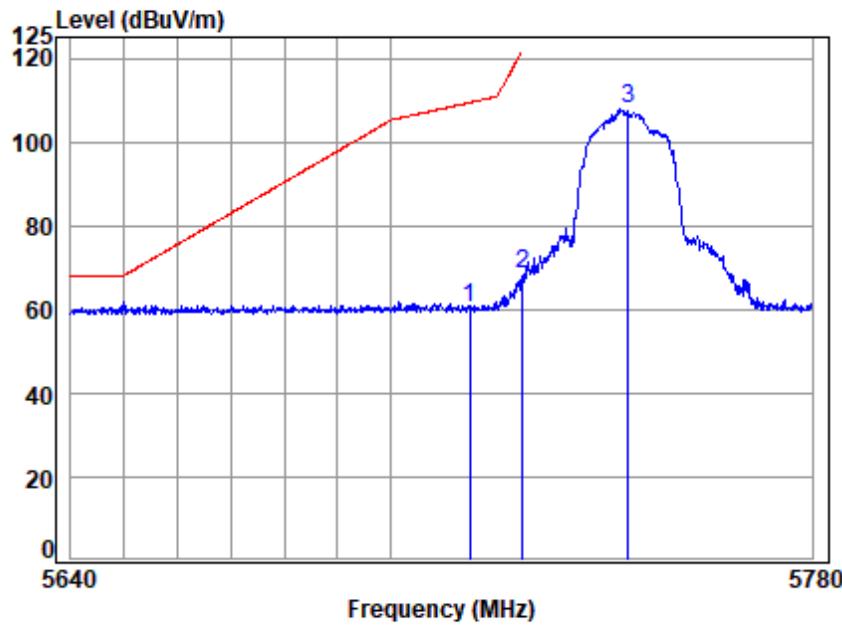
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Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5745 Band edge
: 5G WIFI 11A

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Factor	Level	Level		
1	5715.000	8.22	34.82	42.37	59.68	60.35	109.40	-49.05 peak
2	5725.000	8.22	34.83	42.37	67.73	68.41	122.20	-53.79 peak
3	5745.000	8.22	34.85	42.38	107.00	107.69	-----	----- peak



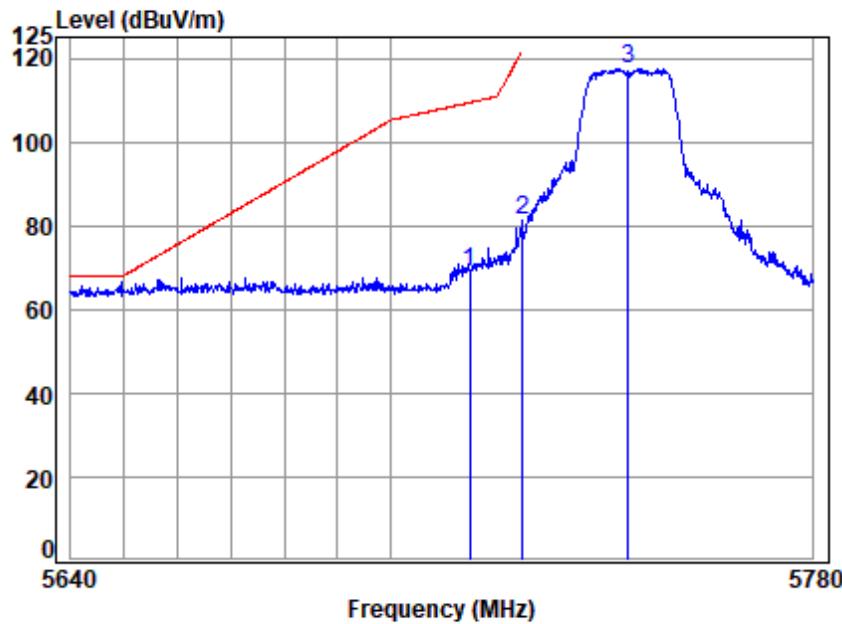
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Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5745 Band edge
: 5G WIFI 11A

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
				dBuV	dBuV/m	dBuV/m	
1	5715.000	8.22	34.82	42.37	68.24	68.91	109.40 -40.49 peak
2	5725.000	8.22	34.83	42.37	80.56	81.24	122.20 -40.96 peak
3	5745.000	8.22	34.85	42.38	116.76	117.45	----- ----- peak



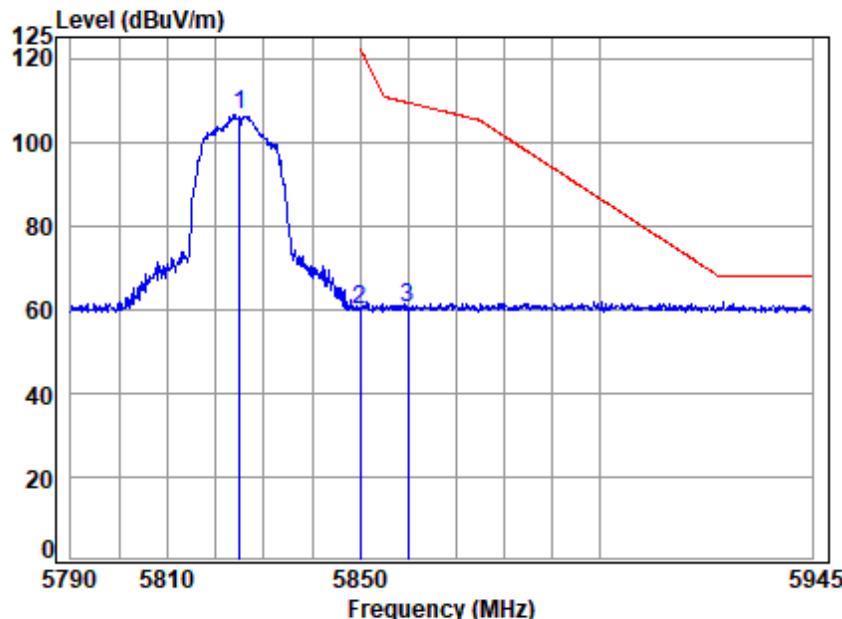
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Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5825 Band edge
: 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dBuV/m	dB
1 5825.000	8.23	34.93	42.38	105.63	106.41	-----	-----	peak
2 5850.000	8.24	34.95	42.39	58.88	59.68	122.20	-62.52	peak
3 5860.000	8.24	34.96	42.39	59.47	60.28	109.40	-49.12	peak

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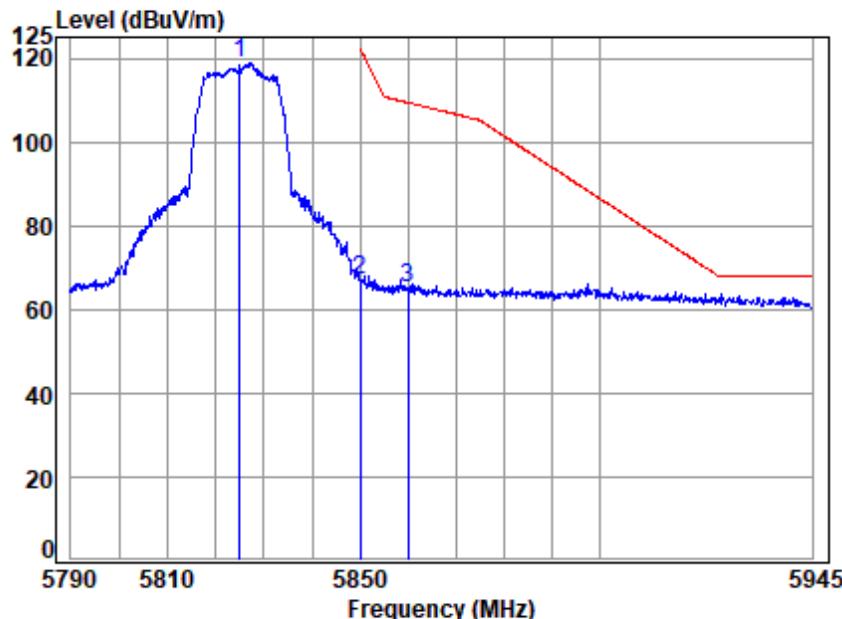
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Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5825 Band edge
: 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz								
1	5825.000	8.23	34.93	42.38	117.93	118.71	-----	----- peak
2	5850.000	8.24	34.95	42.39	66.13	66.93	122.20	-55.27 peak
3	5860.000	8.24	34.96	42.39	64.46	65.27	109.40	-44.13 peak



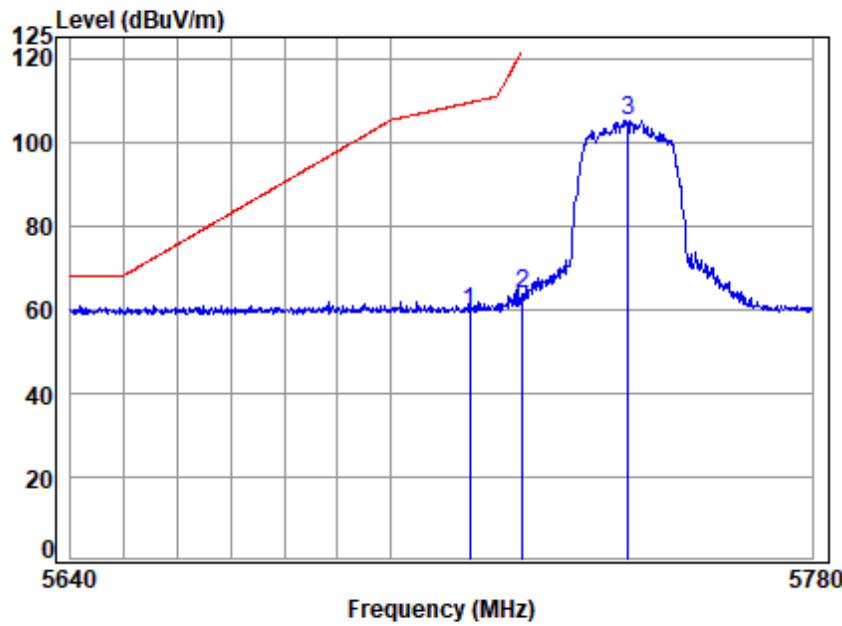
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Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5745 Band edge
: 5G WIFI 11N20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
				dBuV	dBuV/m	dBuV/m	
1	5715.000	8.22	34.82	42.37	58.80	59.47	109.40 -49.93 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	104.57	105.26	----- peak

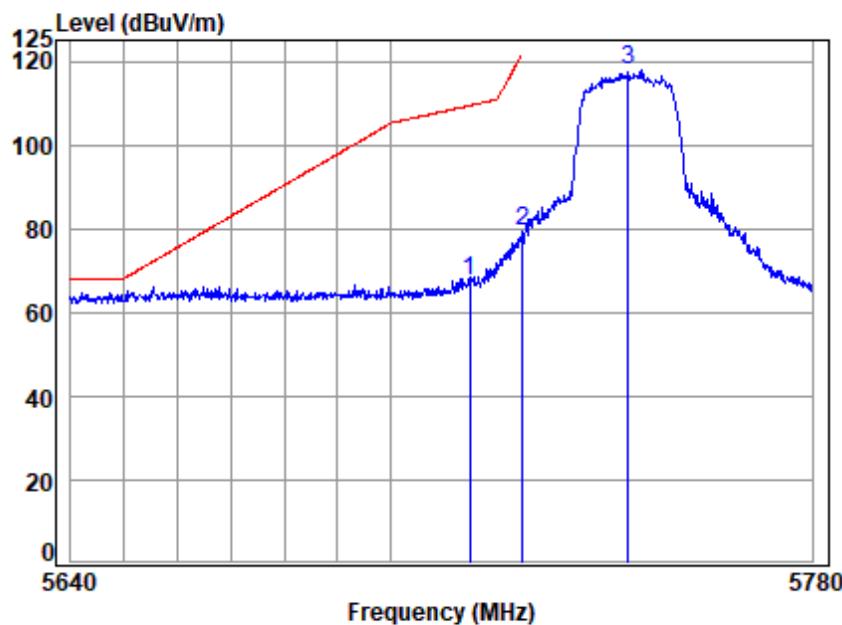
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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5745 Band edge
: 5G WIFI 11N20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
				dBuV	dBuV/m	dBuV/m	
1	5715.000	8.22	34.82	42.37	66.91	67.58	109.40 -41.82 peak
2	5725.000	8.22	34.83	42.37	78.68	79.36	122.20 -42.84 peak
3	5745.000	8.22	34.85	42.38	117.31	118.00	----- peak

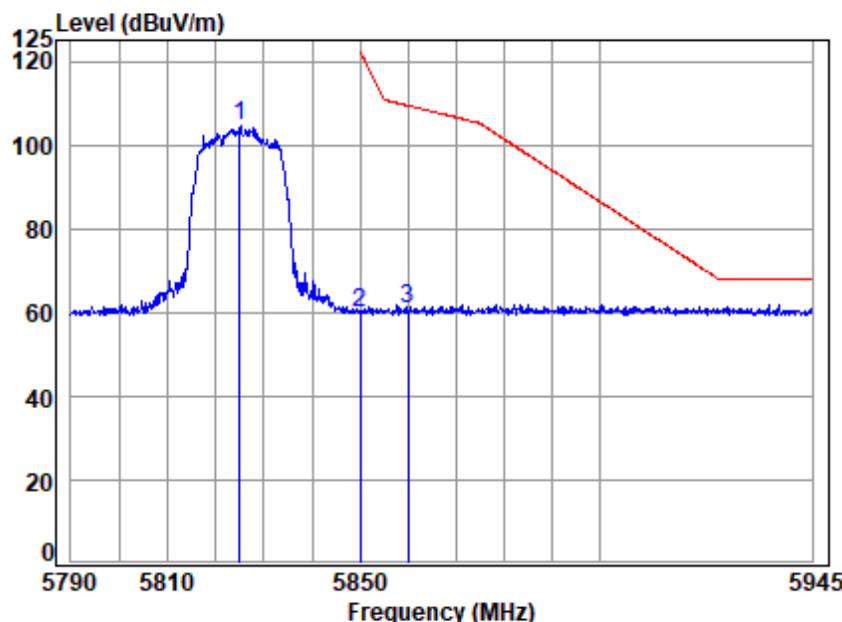
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Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5825 Band edge
: 5G WIFI 11N20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5825.000	8.23	34.93	42.38	104.00	104.78	-----	----- peak
2 5850.000	8.24	34.95	42.39	59.08	59.88	122.20	-62.32 peak
3 5860.000	8.24	34.96	42.39	59.88	60.69	109.40	-48.71 peak



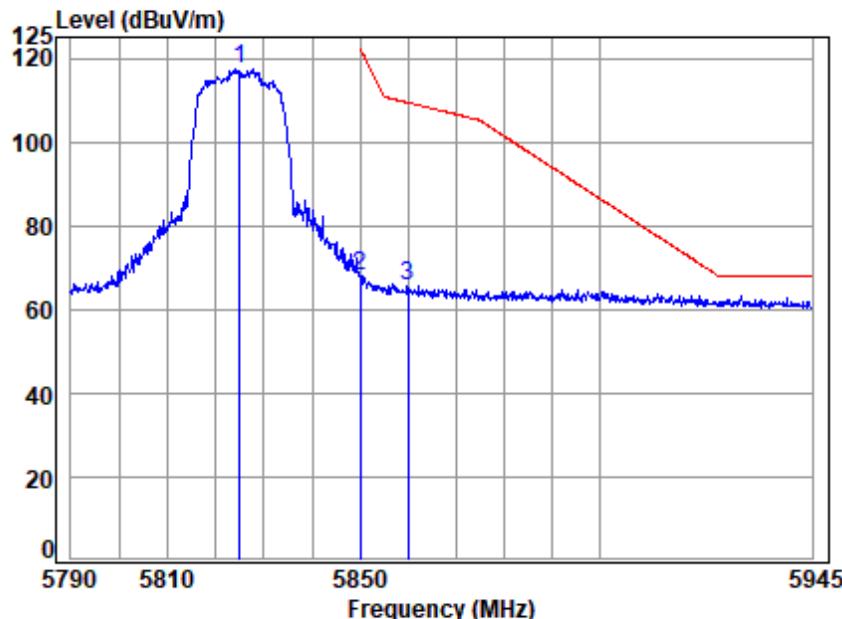
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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5825 Band edge
: 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m	dB	dBuV	dBuV/m
1 5825.000	8.23	34.93	42.38	116.75	117.53	-----	-----	peak
2 5850.000	8.24	34.95	42.39	67.24	68.04	122.20	-54.16	peak
3 5860.000	8.24	34.96	42.39	64.76	65.57	109.40	-43.83	peak

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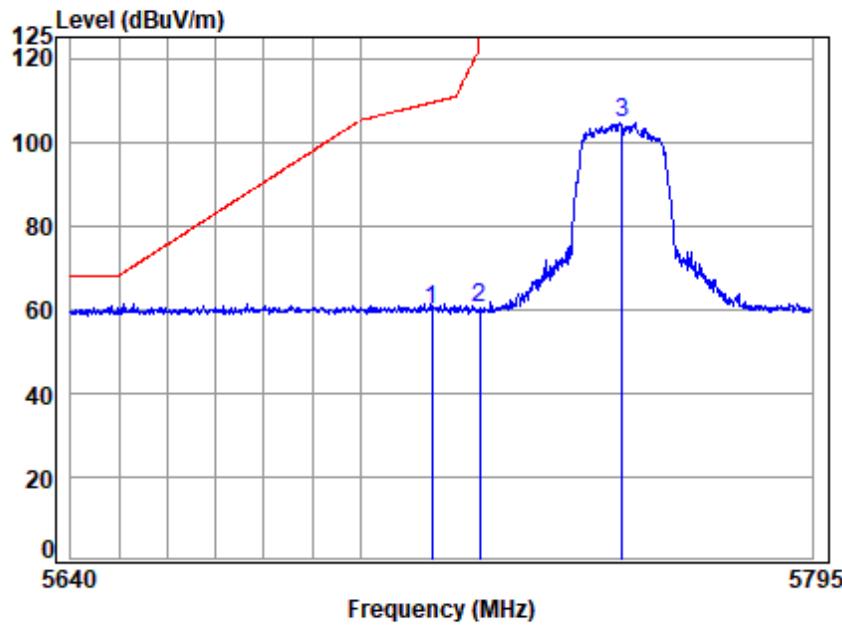
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Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5755 Band edge
: 5G WIFI 11N40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
				dBuV	dBuV/m	dBuV/m	
1	5715.000	8.22	34.82	42.37	59.30	59.97	109.40 -49.43 peak
2	5725.000	8.22	34.83	42.37	59.60	60.28	122.20 -61.92 peak
3	5755.000	8.22	34.86	42.38	103.91	104.61	----- peak



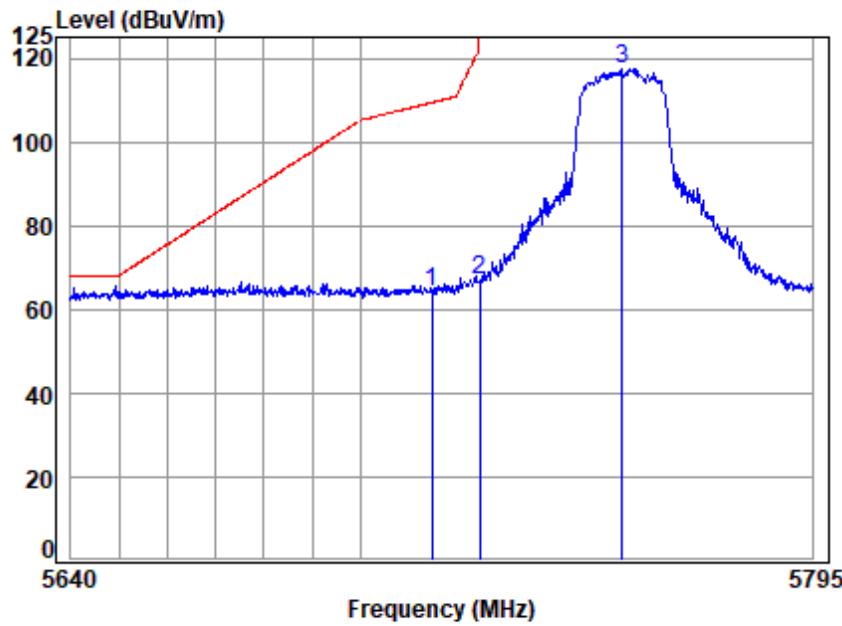
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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5755 Band edge
: 5G WIFI 11N40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
				dBuV	dBuV/m	dBuV/m	
1	5715.000	8.22	34.82	42.37	63.38	64.05	109.40 -45.35 peak
2	5725.000	8.22	34.83	42.37	66.28	66.96	122.20 -55.24 peak
3	5755.000	8.22	34.86	42.38	116.84	117.54	----- peak



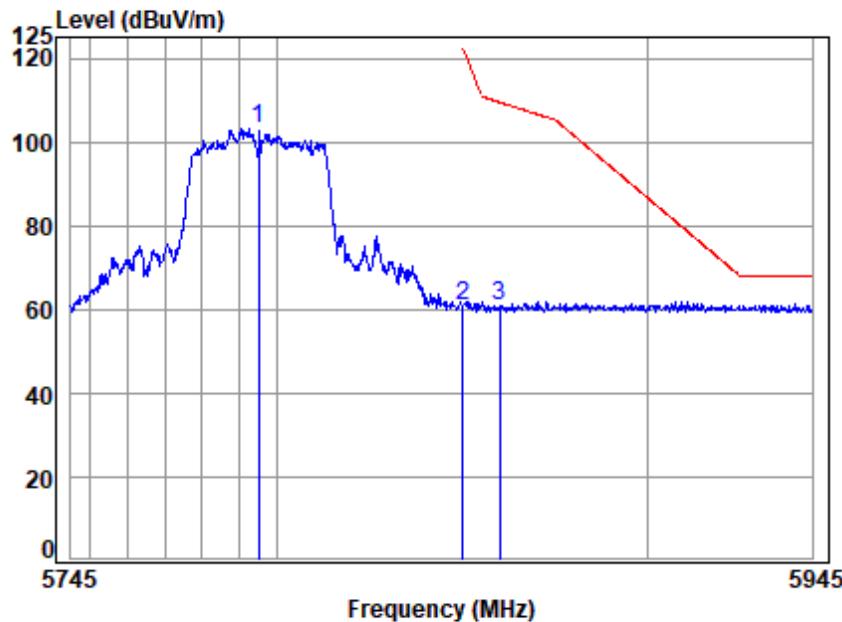
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Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5795 Band edge
: 5G WIFI 11N40

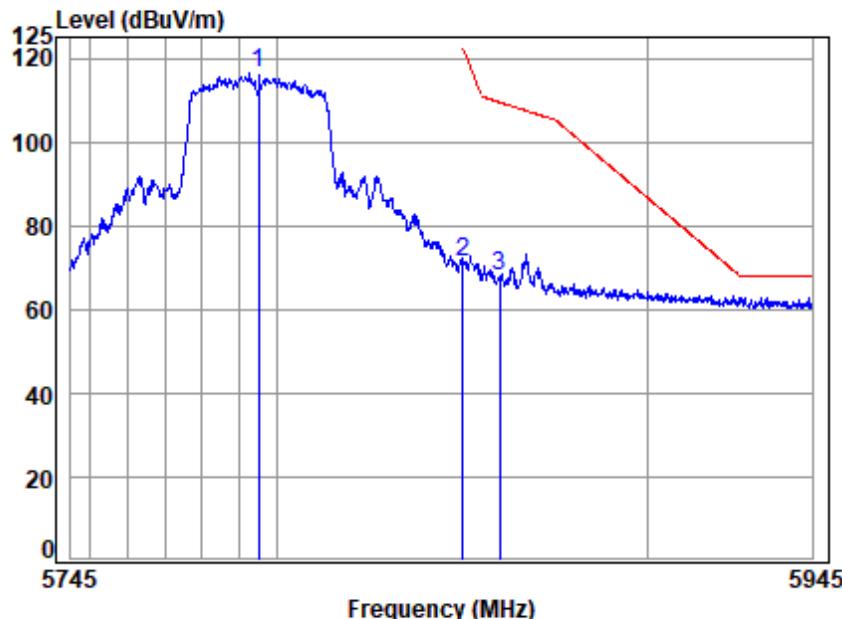
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5795.000	8.23	34.90	42.38	102.52	103.27	-----	----- peak
2 5850.000	8.24	34.95	42.39	60.25	61.05	122.20	-61.15 peak
3 5860.000	8.24	34.96	42.39	59.87	60.68	109.40	-48.72 peak



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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5795 Band edge
: 5G WIFI 11N40

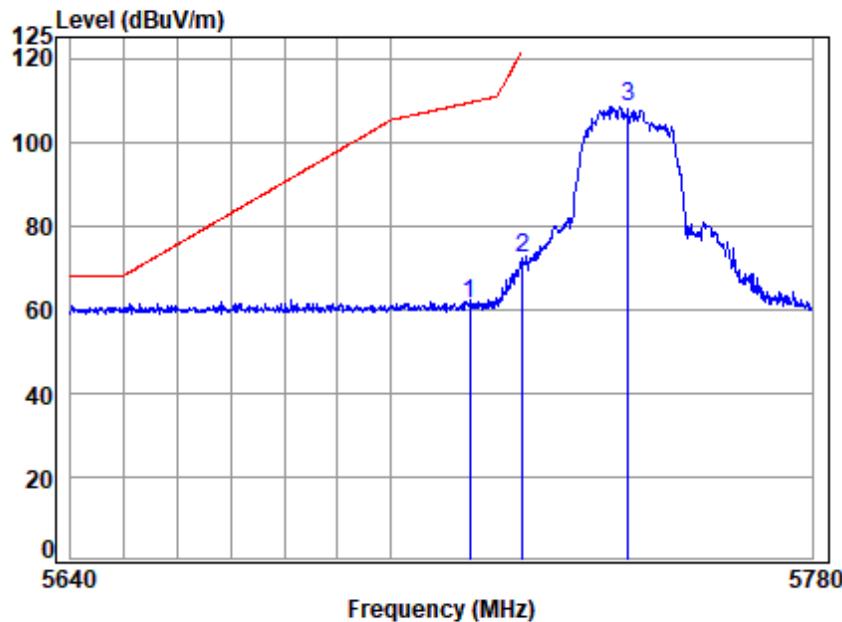
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5795.000	8.23	34.90	42.38	115.53	116.28	-----	----- peak
2 5850.000	8.24	34.95	42.39	70.42	71.22	122.20	-50.98 peak
3 5860.000	8.24	34.96	42.39	67.10	67.91	109.40	-41.49 peak



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



Site : chamber
 Condition: 3m HORIZONTAL
 Job No : 12955CR
 Mode : 5745 Band edge
 : 5G WIFI 11AC20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level	Level	Line		
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	8.22	34.82	42.37	60.48	61.15	109.40	-48.25 peak
2	5725.000	8.22	34.83	42.37	71.70	72.38	122.20	-49.82 peak
3	5745.000	8.22	34.85	42.38	107.88	108.57	-----	----- peak

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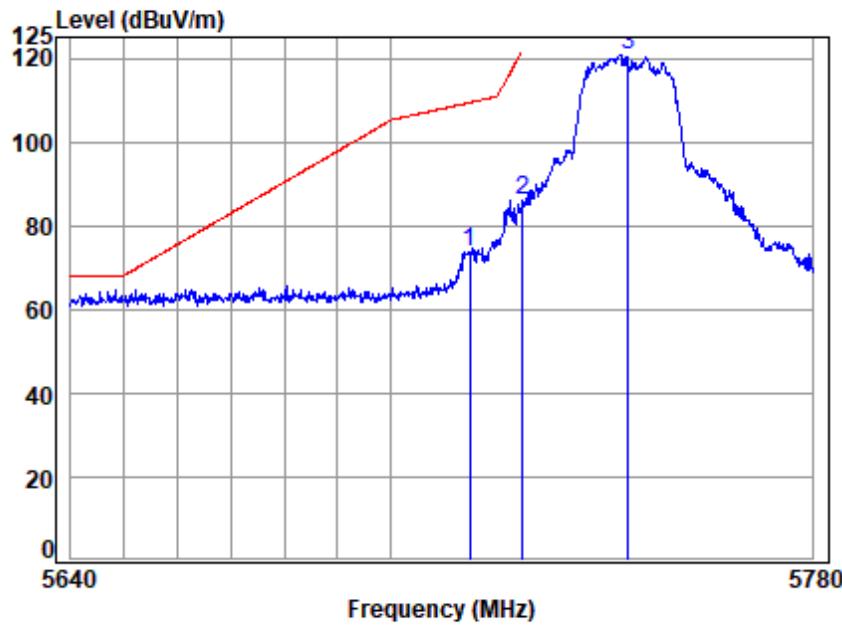
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Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5745 Band edge
: 5G WIFI 11AC20

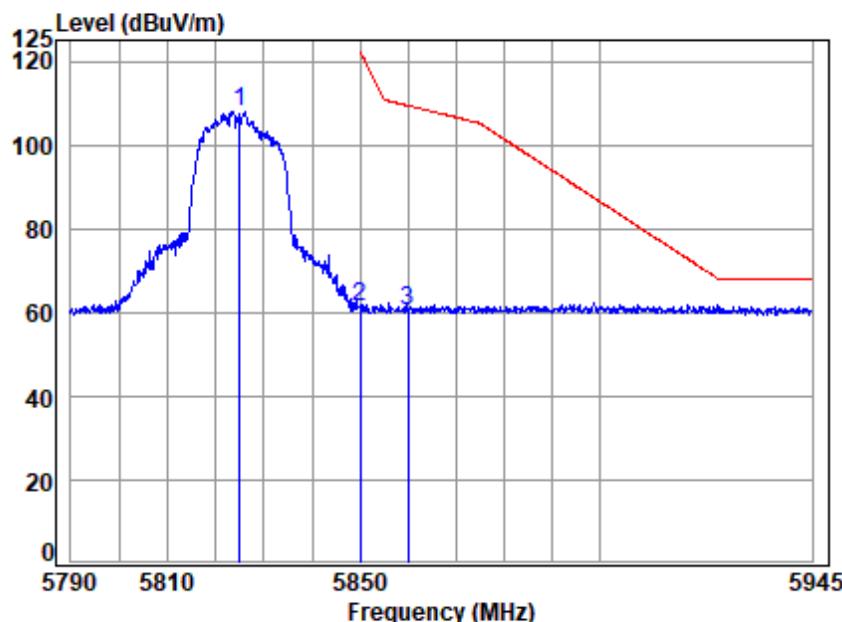
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5715.000	8.22	34.82	42.37	72.94	73.61	109.40	-35.79 peak
2 5725.000	8.22	34.83	42.37	85.53	86.21	122.20	-35.99 peak
3 5745.000	8.22	34.85	42.38	119.93	120.62	-----	----- peak



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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5825 Band edge
: 5G WIFI 11AC20

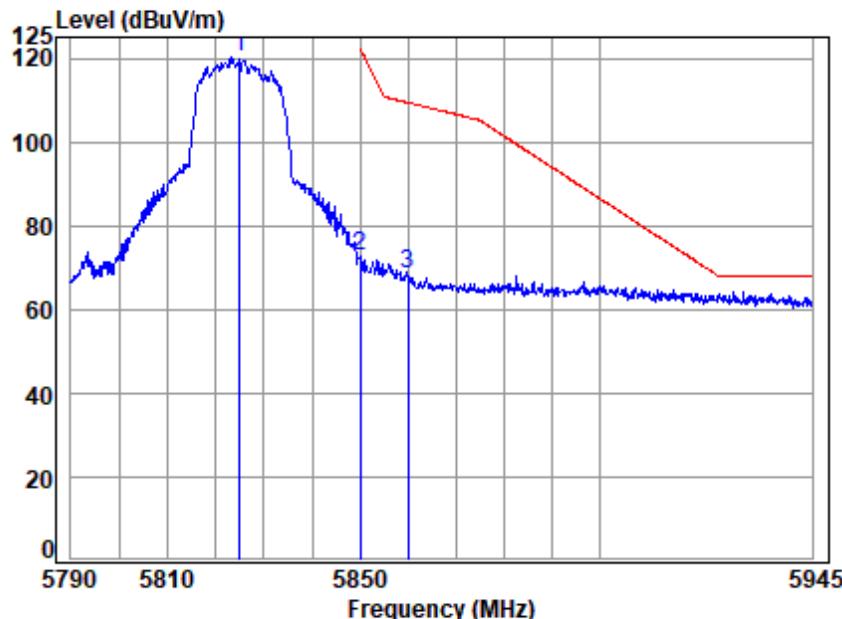
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dBuV/m	dB
1 5825.000	8.23	34.93	42.38	107.33	108.11	-----	-----	peak
2 5850.000	8.24	34.95	42.39	60.68	61.48	122.20	-60.72	peak
3 5860.000	8.24	34.96	42.39	59.75	60.56	109.40	-48.84	peak

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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5825 Band edge
: 5G WIFI 11AC20

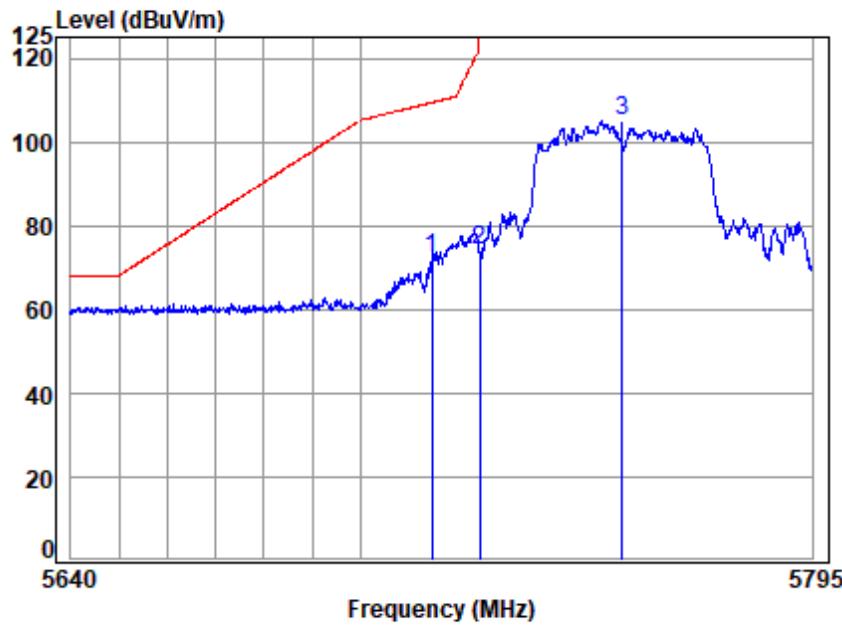
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5825.000	8.23	34.93	42.38	119.40	120.18	-----	----- peak
2 5850.000	8.24	34.95	42.39	72.08	72.88	122.20	-49.32 peak
3 5860.000	8.24	34.96	42.39	67.70	68.51	109.40	-40.89 peak



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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5755 Band edge
: 5G WIFI 11AC40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5715.000	8.22	34.82	42.37	71.75	72.42	109.40	-36.98 peak
2 5725.000	8.22	34.83	42.37	73.70	74.38	122.20	-47.82 peak
3 5755.000	8.22	34.86	42.38	104.56	105.26	-----	----- peak



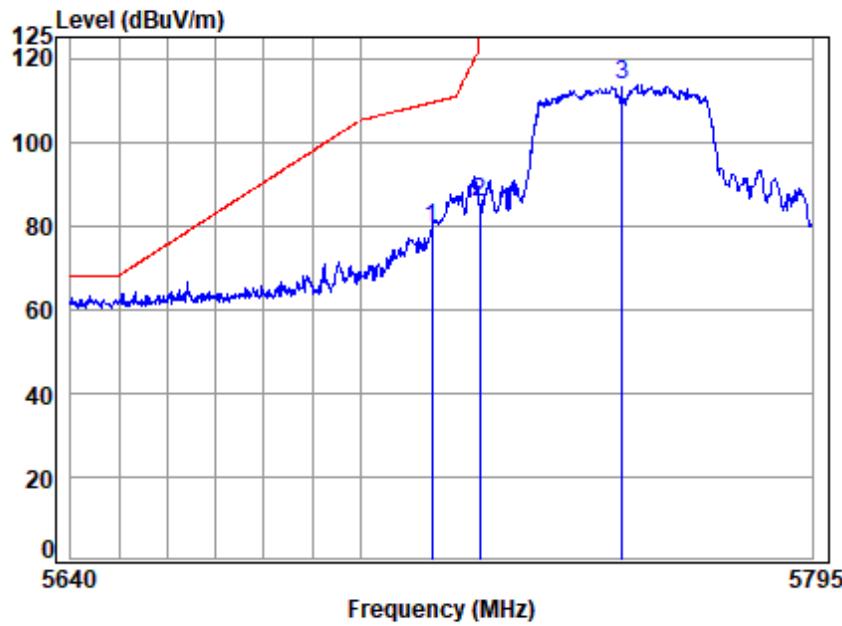
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Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5755 Band edge
: 5G WIFI 11AC40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5715.000	8.22	34.82	42.37	78.61	79.28	109.40	-30.12 peak
2 5725.000	8.22	34.83	42.37	85.11	85.79	122.20	-36.41 peak
3 5755.000	8.22	34.86	42.38	113.09	113.79	-----	----- peak



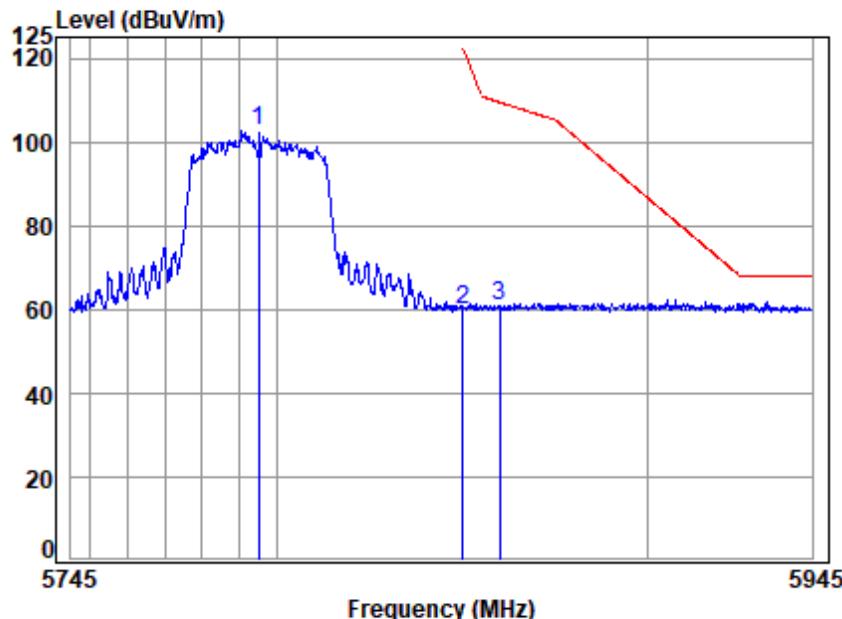
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Test Mode: 05; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5795 Band edge
: 5G WIFI 11AC40

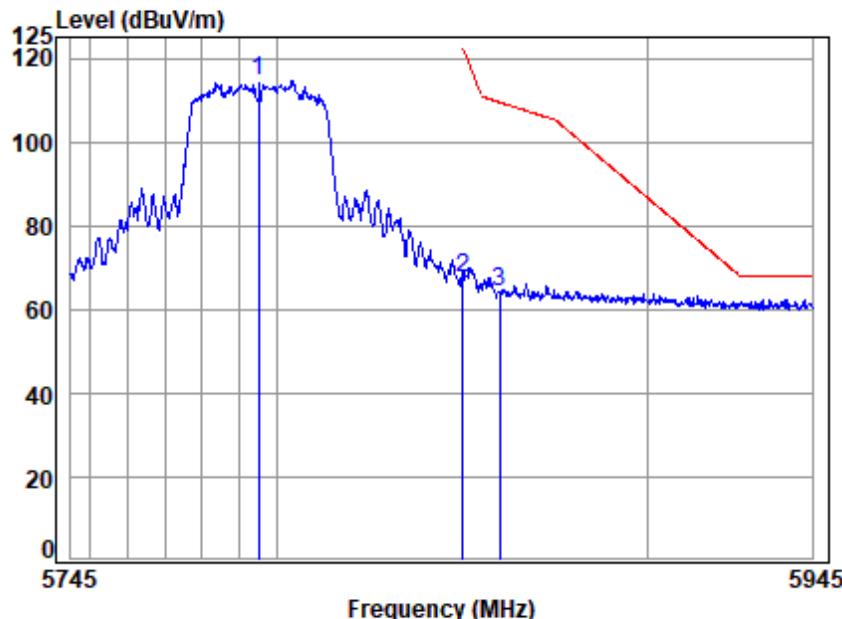
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5795.000	8.23	34.90	42.38	102.04	102.79	-----	----- peak
2 5850.000	8.24	34.95	42.39	59.30	60.10	122.20	-62.10 peak
3 5860.000	8.24	34.96	42.39	59.81	60.62	109.40	-48.78 peak



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



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5795 Band edge
: 5G WIFI 11AC40

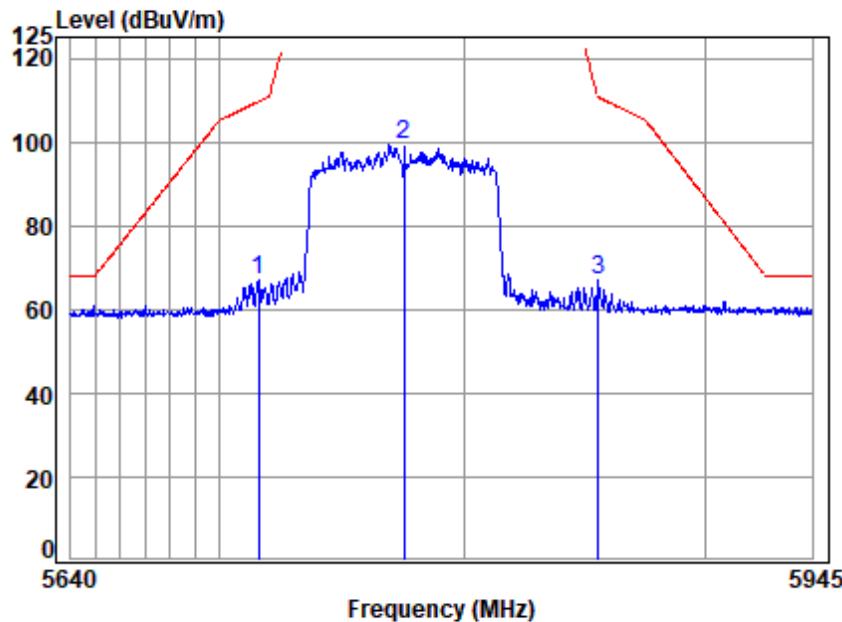
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5795.000	8.23	34.90	42.38	113.78	114.53	-----	----- peak
2 5850.000	8.24	34.95	42.39	66.58	67.38	122.20	-54.82 peak
3 5860.000	8.24	34.96	42.39	63.24	64.05	109.40	-45.35 peak



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



Site : chamber
Condition: 3m HORIZONTAL
Job No : 12955CR
Mode : 5775 Band edge
: 5G WIFI 11AC80

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5715.654	8.22	34.82	42.37	66.35	67.02	109.58	-42.56 peak
2 5775.000	8.22	34.88	42.38	98.62	99.34	-----	----- peak
3 5855.507	8.24	34.96	42.39	66.10	66.91	110.66	-43.75 peak

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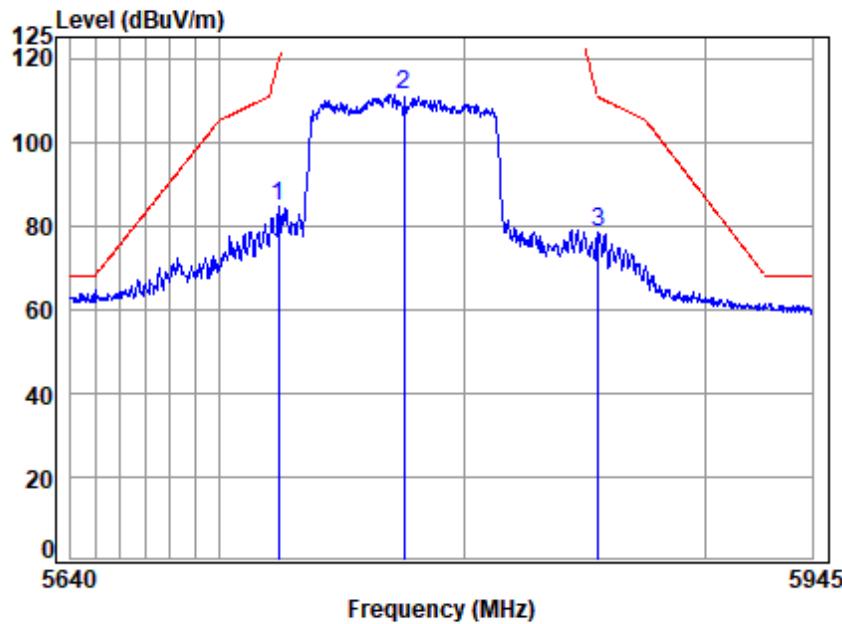
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Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Site : chamber
Condition: 3m VERTICAL
Job No : 12955CR
Mode : 5775 Band edge
: 5G WIFI 11AC80

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 5723.787	8.22	34.83	42.37	84.09	84.77	119.44	-34.67 peak
2 5775.000	8.22	34.88	42.38	110.51	111.23	-----	----- peak
3 5855.507	8.24	34.96	42.39	77.83	78.64	110.66	-32.02 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: 26.5 °C

Humidity: 34.7 % 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.

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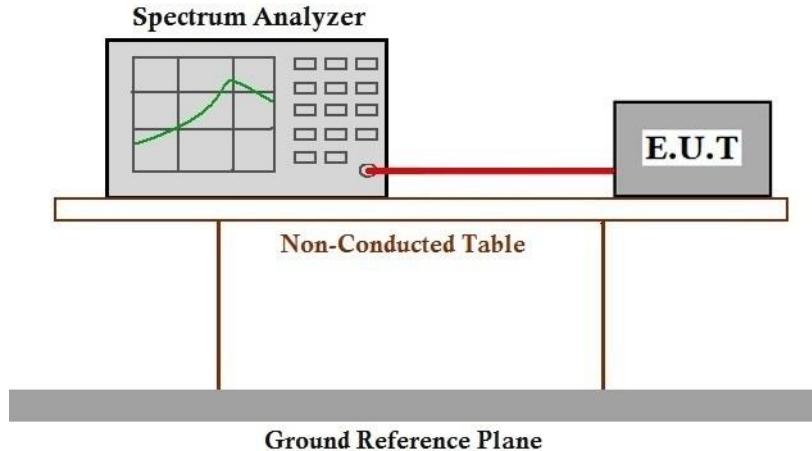
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7.10.3 Test Setup Diagram



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.



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8 Photographs

8.1 Test Setup

Please refer to setup photos.

8.2 EUT Constructional Details (EUT Photos)

Please Refer to external and internal photos for details.



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