



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

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Report No.: SZEM180400347803  
Page: 1 of 398

## TEST REPORT

**Application No.:** SZEM1804003478CR  
**Applicant:** Furion Ltd.  
**Address of Applicant:** Units 503c & 505-508, Level 5, Core D, Cyberport 3, 100 Cyberport Road, Hong Kong  
**Manufacturer:** Furion Ltd.  
**Address of Manufacturer:** Units 503c & 505-508, Level 5, Core D, Cyberport 3, 100 Cyberport Road, Hong Kong  
**Factory:** Furion Ltd.  
**Address of Factory:** Units 503c & 505-508, Level 5, Core D, Cyberport 3, 100 Cyberport Road, Hong Kong  
**Equipment Under Test (EUT):**  
**EUT Name:** LTE WiFi Router  
**Model No.:** FAN17B8B, FAN17B83 ♦  
♦ Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.  
**Trade mark:** FURRION  
**FCC ID:** 2ABH3-FAN17  
**Standard(s) :** 47 CFR Part 15, Subpart E 15.407  
**Date of Receipt:** 2018-05-22  
**Date of Test:** 2018-05-24 to 2018-06-15  
**Date of Issue:** 2018-06-20

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



Keny Xu

EMC Laboratory Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.

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<b>Revision Record</b>				
<b>Version</b>	<b>Chapter</b>	<b>Date</b>	<b>Modifier</b>	<b>Remark</b>
01		2018-06-20		Original

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

## 2 Test Summary

<b>Radio Spectrum Technical Requirement</b>				
<b>Item</b>	<b>Standard</b>	<b>Method</b>	<b>Requirement</b>	<b>Result</b>
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	47 CFR Part 15, Subpart E 15.407	N/A	47 CFR Part 15, Subpart C 15.407 (c)	Pass

N/A: Not applicable

<b>Radio Spectrum Matter Part</b>				
<b>Item</b>	<b>Standard</b>	<b>Method</b>	<b>Requirement</b>	<b>Result</b>
99% Bandwidth	47 CFR Part 15, Subpart E 15.407	KDB 789033 II D	N/A	Pass
26dB Emission bandwidth	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II C 1	47 CFR Part 15, Subpart C 15.407 (a)	Pass
Minimum 6 dB bandwidth (5.725-5.85 GHz band )	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II C 2	47 CFR Part 15, Subpart C 15.407 (e)	Pass
Maximum Conducted output power	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II E	47 CFR Part 15, Subpart C 15.407 (a)	Pass
Peak Power spectrum density	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II F	47 CFR Part 15, Subpart C 15.407 (a)	Pass
Radiated Emissions	47 CFR Part 15, Subpart E 15.407	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	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & 15.407(b)	Pass
Frequency Stability	47 CFR Part 15, Subpart E 15.407	ANSI C63.10 (2013) Section 6.8	47 CFR Part 15, Subpart C 15.407 (g)	Pass
Duty Cycle	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II G	N/A	Pass

N/A: Not applicable

**Declaration of EUT Family Grouping:**

Model No.: FAN17B8B, FAN17B83

Only the model FAN17B8B was tested, since the electrical circuit design, layout, components used, internal wiring and functions were identical for all the above models, only the difference as below:

Model	Description
FAN17B8B	Internet Access Point, LTE and Wi-Fi Booster, with ceiling mount bracket
FAN17B83	Internet Access Point, LTE and Wi-Fi Booster, without ceiling mount bracket

### 3 Contents

	Page
1 COVER PAGE .....	1
2 TEST SUMMARY .....	3
3 CONTENTS .....	4
4 GENERAL INFORMATION .....	6
4.1 DETAILS OF E.U.T.....	6
4.2 DESCRIPTION OF SUPPORT UNITS .....	7
4.3 MEASUREMENT UNCERTAINTY .....	7
4.4 TEST LOCATION.....	8
4.5 TEST FACILITY.....	8
4.6 DEVIATION FROM STANDARDS.....	8
4.7 ABNORMALITIES FROM STANDARD CONDITIONS .....	8
5 EQUIPMENT LIST .....	9
6 RADIO SPECTRUM TECHNICAL REQUIREMENT .....	11
6.1 ANTENNA REQUIREMENT .....	11
6.1.1 Test Requirement: .....	11
6.1.2 Conclusion .....	11
6.2 TRANSMISSION IN THE ABSENCE OF DATA.....	12
6.2.1 Test Requirement: .....	12
6.2.2 Conclusion .....	12
7 RADIO SPECTRUM MATTER TEST RESULTS.....	13
7.1 99% BANDWIDTH .....	13
7.1.1 E.U.T. Operation .....	13
7.1.2 Test Setup Diagram .....	13
7.1.3 Measurement Procedure and Data.....	14
7.2 26dB EMISSION BANDWIDTH .....	15
7.2.1 E.U.T. Operation .....	15
7.2.2 Test Setup Diagram .....	15
7.2.3 Measurement Procedure and Data.....	15
7.3 MINIMUM 6 dB BANDWIDTH (5.725-5.85 GHz BAND ) .....	16
7.3.1 E.U.T. Operation .....	16
7.3.2 Test Setup Diagram .....	16
7.3.3 Measurement Procedure and Data.....	16
7.4 MAXIMUM CONDUCTED OUTPUT POWER.....	17
7.4.1 E.U.T. Operation .....	17
7.4.2 Test Setup Diagram .....	18
7.4.3 Measurement Procedure and Data.....	18
7.5 PEAK POWER SPECTRUM DENSITY.....	19
7.5.1 E.U.T. Operation .....	19
7.5.2 Test Setup Diagram .....	20
7.5.3 Measurement Procedure and Data.....	20
7.6 RADIATED EMISSIONS .....	21
7.6.1 E.U.T. Operation .....	21
7.6.2 Test Setup Diagram .....	22
7.6.3 Measurement Procedure and Data.....	23

7.7	RADIATED EMISSIONS WHICH FALL IN THE RESTRICTED BANDS .....	138
7.7.1	<i>E.U.T. Operation</i> .....	138
7.7.2	<i>Test Setup Diagram</i> .....	139
7.7.3	<i>Measurement Procedure and Data</i> .....	140
7.8	FREQUENCY STABILITY .....	273
7.8.1	<i>E.U.T. Operation</i> .....	273
7.8.2	<i>Test Setup Diagram</i> .....	274
7.8.3	<i>Measurement Procedure and Data</i> .....	274
<b>8</b>	<b>PHOTOGRAPHS</b> .....	<b>275</b>
8.1	RADIATED EMISSIONS TEST SETUP .....	275
8.2	RADIATED EMISSIONS WHICH FALL IN THE RESTRICTED BANDS TEST SETUP .....	276
8.3	EUT CONSTRUCTIONAL DETAILS (EUT PHOTOS).....	276
<b>9</b>	<b>APPENDIX</b> .....	<b>277</b>
9.1	APPENDIX 15.407 .....	277-398

## 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	IEEE 802.11a/n(HT20)/ac(HT20)	5180-5240	4
		IEEE 802.11n(HT40)/ac(HT40)	5190-5230	2
		IEEE 802.11ac(HT80)	5210	1
	UNII Band III	IEEE 802.11a/n(HT20)/ac(HT20)	5745-5825	5
		IEEE 802.11n(HT40)/ac(HT40)	5755-5795	2
		IEEE 802.11ac(HT80)	5775	1
Modulation Type:	IEEE 802.11a: OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM) IEEE 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)			
Sample Type:	Fixed production			
Antenna Type:	Integral			
Antenna Gain:	Antenna1/Antenna2:2dBi			

#### Selected Test Channel for 802.11a/n(HT20)/ac(HT20)

Band	Channel	Frequency
U-NII Band I	The lowest channel (CH36)	5180MHz
	The middle channel (CH40)	5200MHz
	The highest channel (CH48)	5240MHz
U-NII Band III	The lowest channel (CH149)	5745MHz
	The middle channel (CH157)	5785MHz
	The highest channel (CH165)	5825MHz

#### Selected Test Channel for 802.11n(HT40)/ac(HT40)

Band	Channel	Frequency
U-NII Band I	The lowest channel (CH38)	5190MHz
	The highest channel (CH46)	5230MHz
U-NII Band III	The lowest channel (CH151)	5755MHz
	The highest channel (CH159)	5795MHz

#### Selected Test Channel for 802.11ac(HT80)

Band	Channel	Frequency
U-NII Band I	One channel (CH42)	5210MHz
U-NII Band III	One channel (CH155)	5775MHz



#### 4.2 Description of Support Units

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

#### 4.3 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	$\pm 7.25 \times 10^{-8}$
2	Duty cycle	$\pm 0.37\%$
3	Occupied Bandwidth	$\pm 3\%$
4	RF conducted power	$\pm 0.75\text{dB}$
5	RF power density	$\pm 2.84\text{dB}$
6	Conducted Spurious emissions	$\pm 0.75\text{dB}$
7	RF Radiated power	$\pm 4.5\text{dB}$ (below 1GHz) $\pm 4.8\text{dB}$ (above 1GHz)
8	Radiated Spurious emission test	$\pm 4.5\text{dB}$ (Below 1GHz) $\pm 4.8\text{dB}$ (Above 1GHz)
9	Temperature test	$\pm 1^\circ\text{C}$
10	Humidity test	$\pm 3\%$
11	Supply voltages	$\pm 1.5\%$
12	Time	$\pm 3\%$



#### **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:

- **CNAS (No. CNAS L2929)**

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

- **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.

- **Industry Canada (IC)**

Two 3m Semi-anechoic chambers and the 10m Semi-anechoic chamber of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab have been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 4620C-1, 4620C-2, 4620C-3.

#### **4.6 Deviation from Standards**

None

#### **4.7 Abnormalities from Standard Conditions**

None



## 5 Equipment List

RF Conducted Test					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2017-09-27	2018-09-26
Spectrum Analyzer	Rohde & Schwarz	FSU43	SEM004-08	2018-04-02	2019-04-01
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2017-07-13	2018-07-12
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2017-09-27	2018-09-26
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2017-09-27	2018-09-26
Power Sensor	KEYSIGHT	U2021XA	SEM009-13	2018-04-13	2019-04-12
Power Sensor	KEYSIGHT	U2021XA	SEM009-14	2018-04-13	2019-04-12
Power Sensor	KEYSIGHT	U2021XA	SEM009-15	2018-04-13	2019-04-12
Power Sensor	KEYSIGHT	U2021XA	SEM009-16	2018-04-13	2019-04-12

Radiated Emissions					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2018-03-13	2021-03-12
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2017-07-13	2018-07-12
Spectrum Analyzer	Rohde & Schwarz	FSU43	SEM004-08	2018-04-02	2019-04-01
BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-01	2017-06-27	2020-06-26
Horn Antenna (1-18GHz)	Rohde & Schwarz	HF907	SEM003-07	2018-04-13	2021-04-12
Horn Antenna(15GHz-40GHz)	Schwarzbeck	BBHA 9170	SEM003-15	2017-10-17	2020-10-16
Pre-amplifier (0.1-1300MHz)	HP	8447D	SEM005-02	2017-09-27	2018-09-26
Low Noise Amplifier(100MHz-18GHz)	Black Diamond Series	BDLNA-0118-352810	SEM005-05	2017-09-27	2018-09-27
Pre-amplifier(18-26GHz)	Rohde & Schwarz	CH14-H052	SEM005-17	2018-04-02	2019-04-01
Pre-amplifier(26GHz-40GHz)	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2018-04-02	2019-04-01
DC Power Supply	Zhao Xin	RXN-305D	SEM011-02	2017-09-27	2018-09-26
Active Loop Antenna	ETS-Lindgren	6502	SEM003-08	2017-08-22	2020-08-21
Band filter	N/A	N/A	SEM023-01	N/A	N/A



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

Report No.: SZEM180400347803  
Page: 10 of 398

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	2018-03-13	2021-03-12
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2017-07-13	2018-07-12
Spectrum Analyzer	Rohde & Schwarz	FSU43	SEM004-08	2018-04-02	2019-04-01
BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-01	2017-06-27	2020-06-26
Horn Antenna (1-18GHz)	Rohde & Schwarz	HF907	SEM003-07	2018-04-13	2021-04-12
Horn Antenna(15GHz-40GHz)	Schwarzbeck	BBHA 9170	SEM003-15	2017-10-17	2020-10-16
Pre-amplifier (0.1-1300MHz)	HP	8447D	SEM005-02	2017-09-27	2018-09-26
Low Noise Amplifier(100MHz-18GHz)	Black Diamond Series	BDLNA-0118-352810	SEM005-05	2017-09-27	2018-09-27
Pre-amplifier(18-26GHz)	Rohde & Schwarz	CH14-H052	SEM005-17	2018-04-02	2019-04-01
Pre-amplifier(26GHz-40GHz)	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2018-04-02	2019-04-01
DC Power Supply	Zhao Xin	RXN-305D	SEM011-02	2017-09-27	2018-09-26
Active Loop Antenna	ETS-Lindgren	6502	SEM003-08	2017-08-22	2020-08-21
Band filter	N/A	N/A	SEM023-01	N/A	N/A

General used equipment					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	ZJ1-2B	SEM002-03	2017-09-29	2018-09-28
Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	ZJ1-2B	SEM002-04	2017-09-29	2018-09-28
Humidity/ Temperature Indicator	Mingle	N/A	SEM002-08	2017-09-29	2018-09-28
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2018-04-08	2019-04-07

## 6 Radio Spectrum Technical Requirement

### 6.1 Antenna Requirement

#### 6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

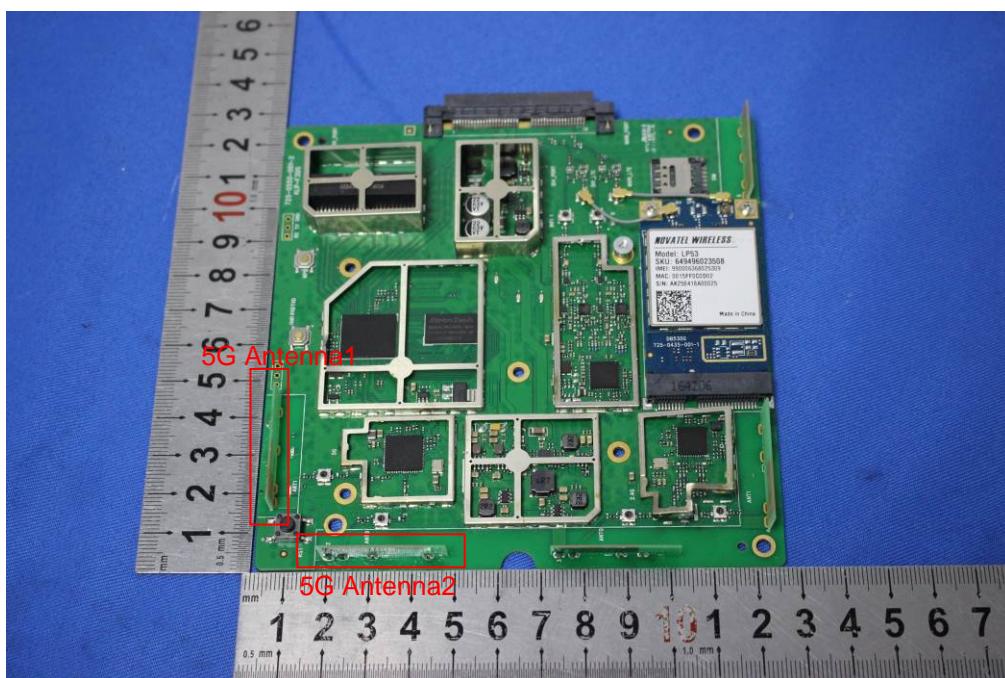
#### 6.1.2 Conclusion

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 is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 2dBi.



## **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 (RTL8192EE) support automatically discontinue transmission in case of either absence of information to transmit or operational failure, if the chip detect absence of information to transmit or operational failure, it will be automatically shut off.

## 7 Radio Spectrum Matter Test Results

### 7.1 99% Bandwidth

Test Requirement N/A

Test Method: KDB 789033 II D

#### 7.1.1 E.U.T. Operation

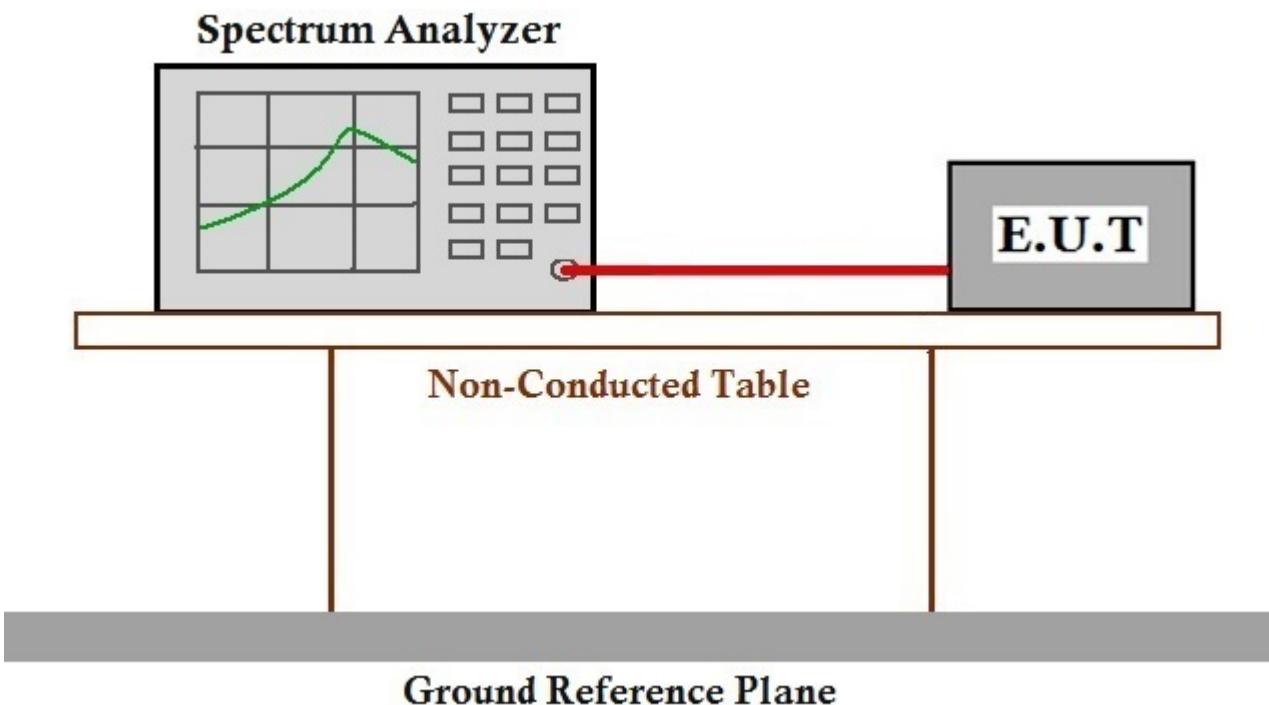
Operating Environment:

Temperature: 23.3 °C Humidity: 64.1 % RH Atmospheric Pressure: 1010 mbar

Test mode: c:TX mode (Band 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 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

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

#### 7.1.2 Test Setup Diagram





### **7.1.3 Measurement Procedure and Data**

The detailed test data see: Appendix 15.407

## 7.2 26dB Emission bandwidth

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

Test Method: KDB 789033 D02 II C 1

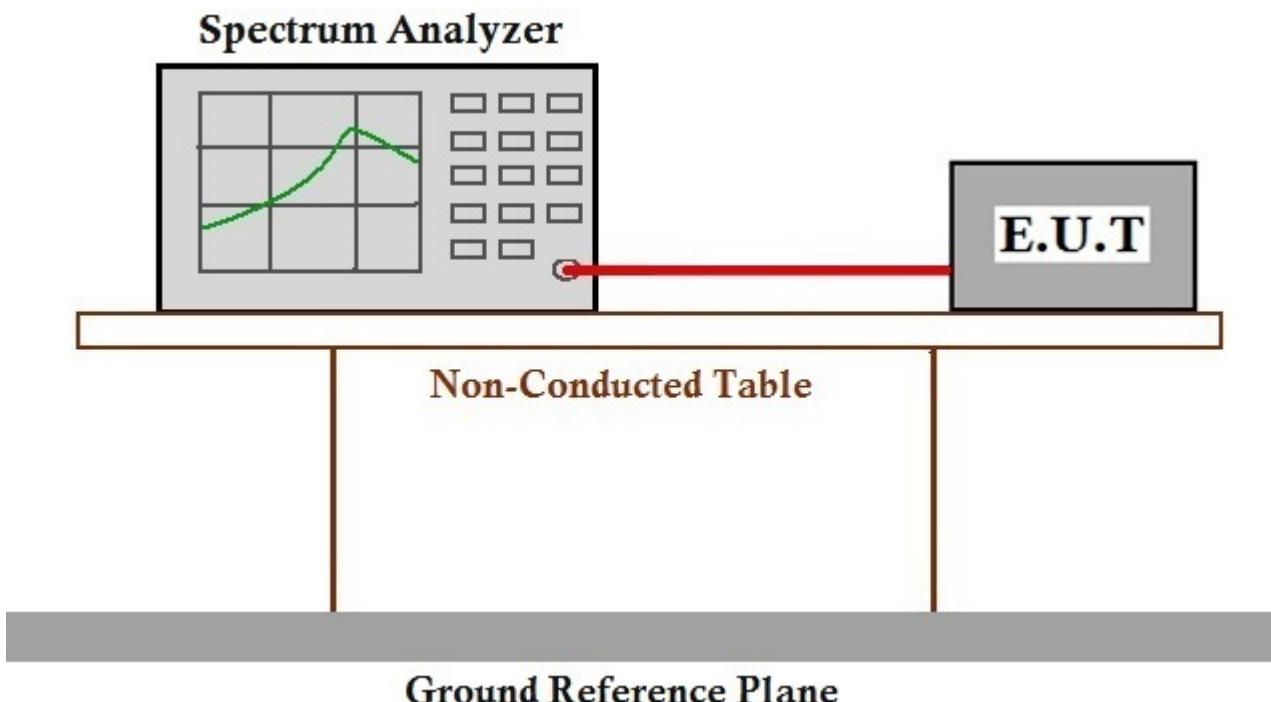
### 7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 23.3 °C Humidity: 64.2 % RH Atmospheric Pressure: 1010 mbar

Test mode: f:TX mode (Band 3)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

### 7.2.2 Test Setup Diagram



### 7.2.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.407

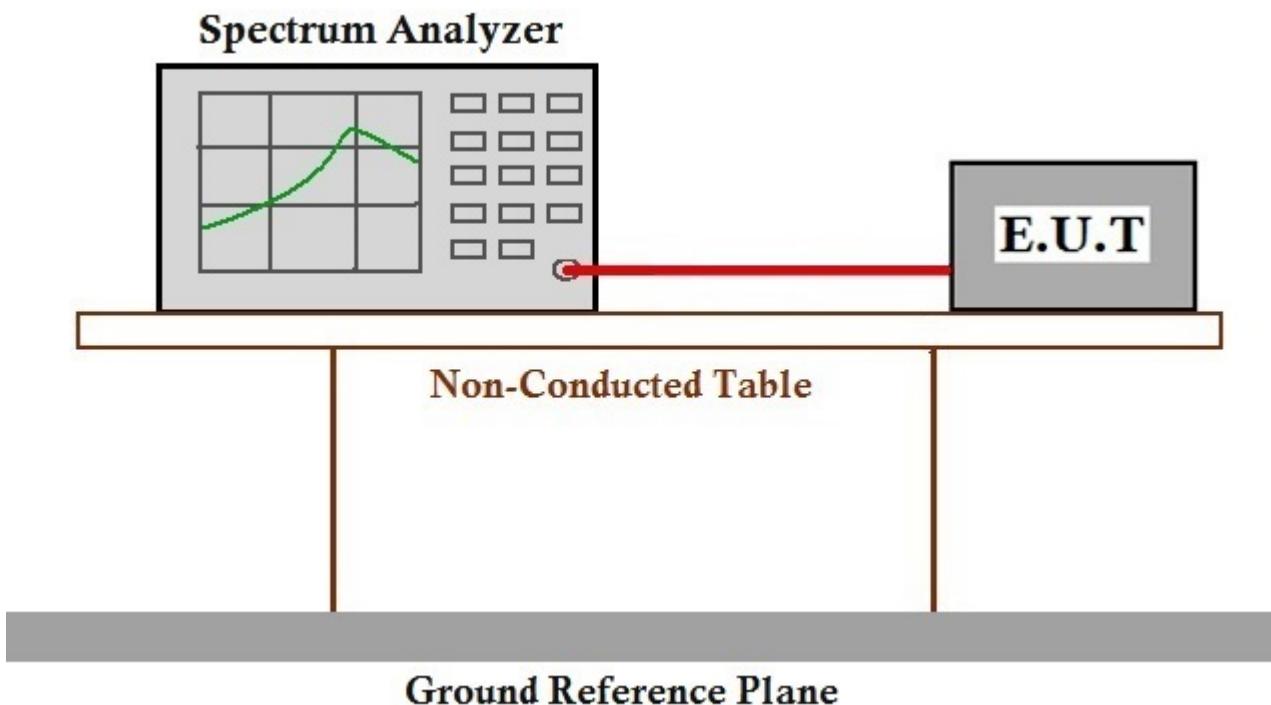
**7.3 Minimum 6 dB bandwidth (5.725-5.85 GHz band )**

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

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

Operating Environment:

Temperature: 23.3 °C      Humidity: 64.1 % RH      Atmospheric Pressure: 1010 mbar  
Test mode f:TX mode (Band 3)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

**7.3.2 Test Setup Diagram****7.3.3 Measurement Procedure and Data**

The detailed test data see: Appendix 15.407

## 7.4 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.

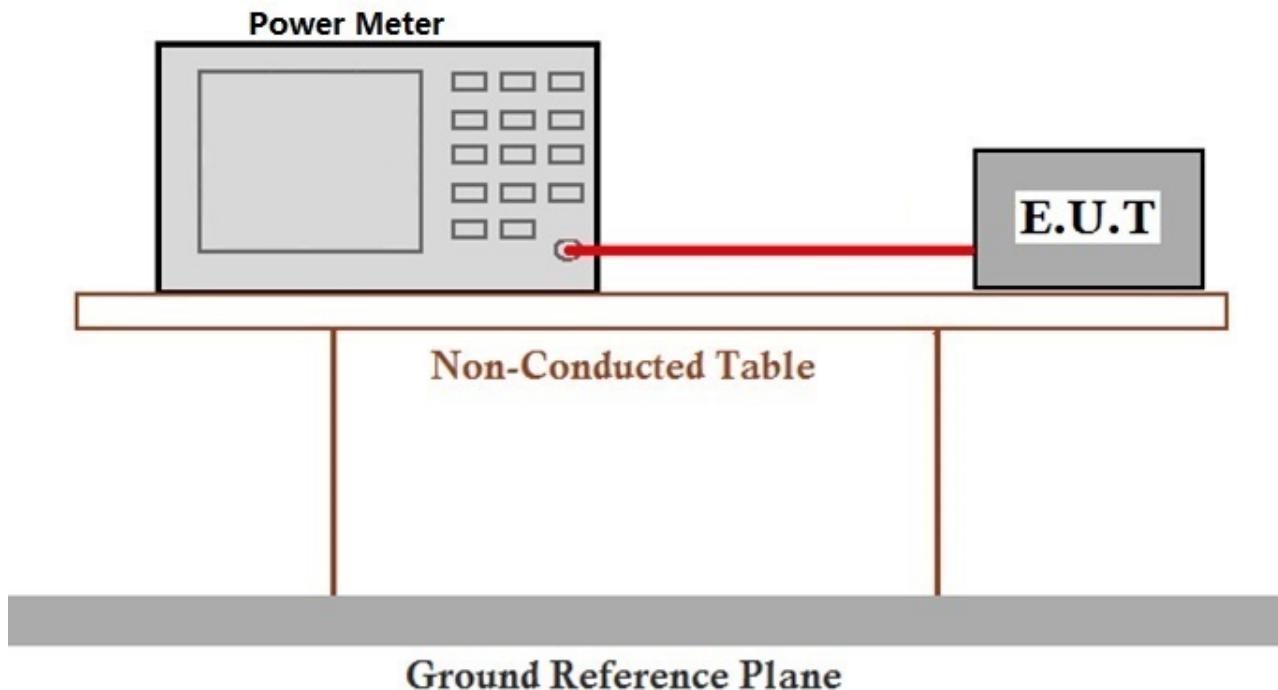
### 7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 23.3 °C Humidity: 64.1 % RH Atmospheric Pressure: 1010 mbar

Test mode: c:TX mode (Band 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.

f:TX mode (Band 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.

**7.4.2 Test Setup Diagram****7.4.3 Measurement Procedure and Data**

The detailed test data see: Appendix 15.407

## 7.5 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.

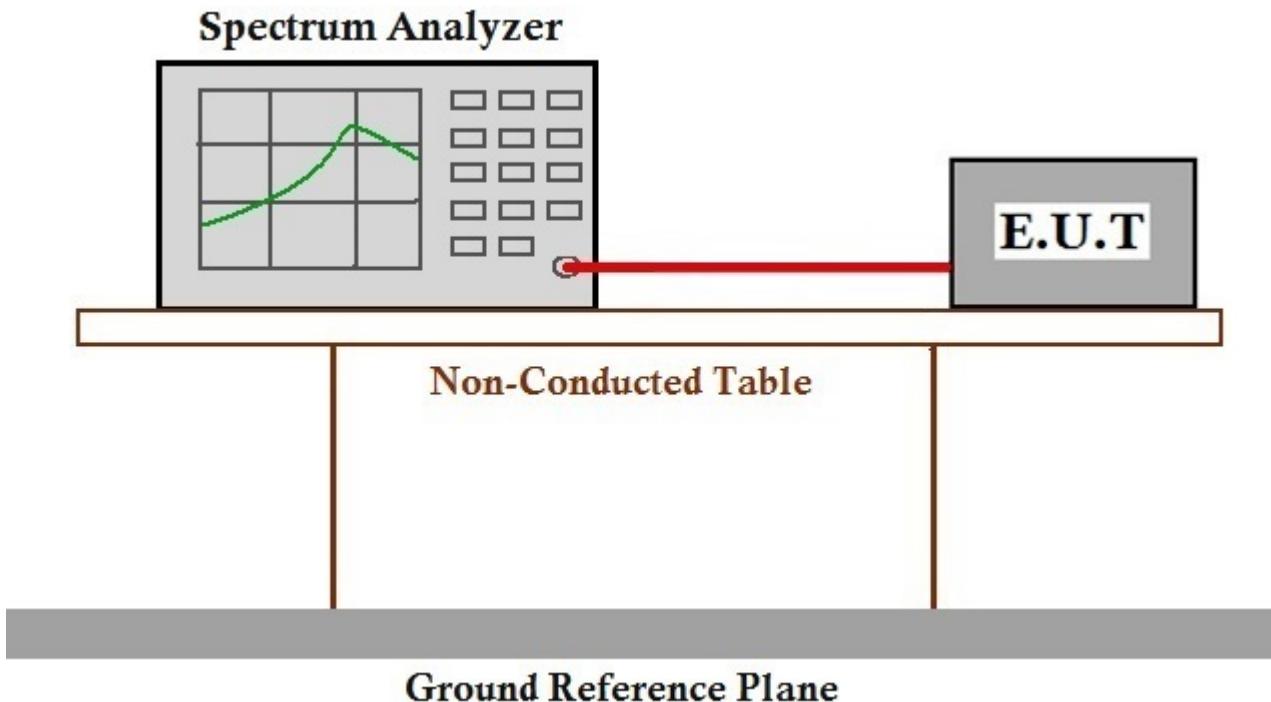
### 7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 23.3 °C Humidity: 64.1 % RH Atmospheric Pressure: 1010 mbar

Test mode: c:TX mode (Band 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.

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

**7.5.2 Test Setup Diagram****7.5.3 Measurement Procedure and Data**

The detailed test data see: Appendix 15.407

## 7.6 Radiated Emissions

Test Requirement 47 CFR Part 15, Subpart C 15.209 & 15.407(b)

Test Method: KDB 789033 D02 II G

Measurement Distance: 3m

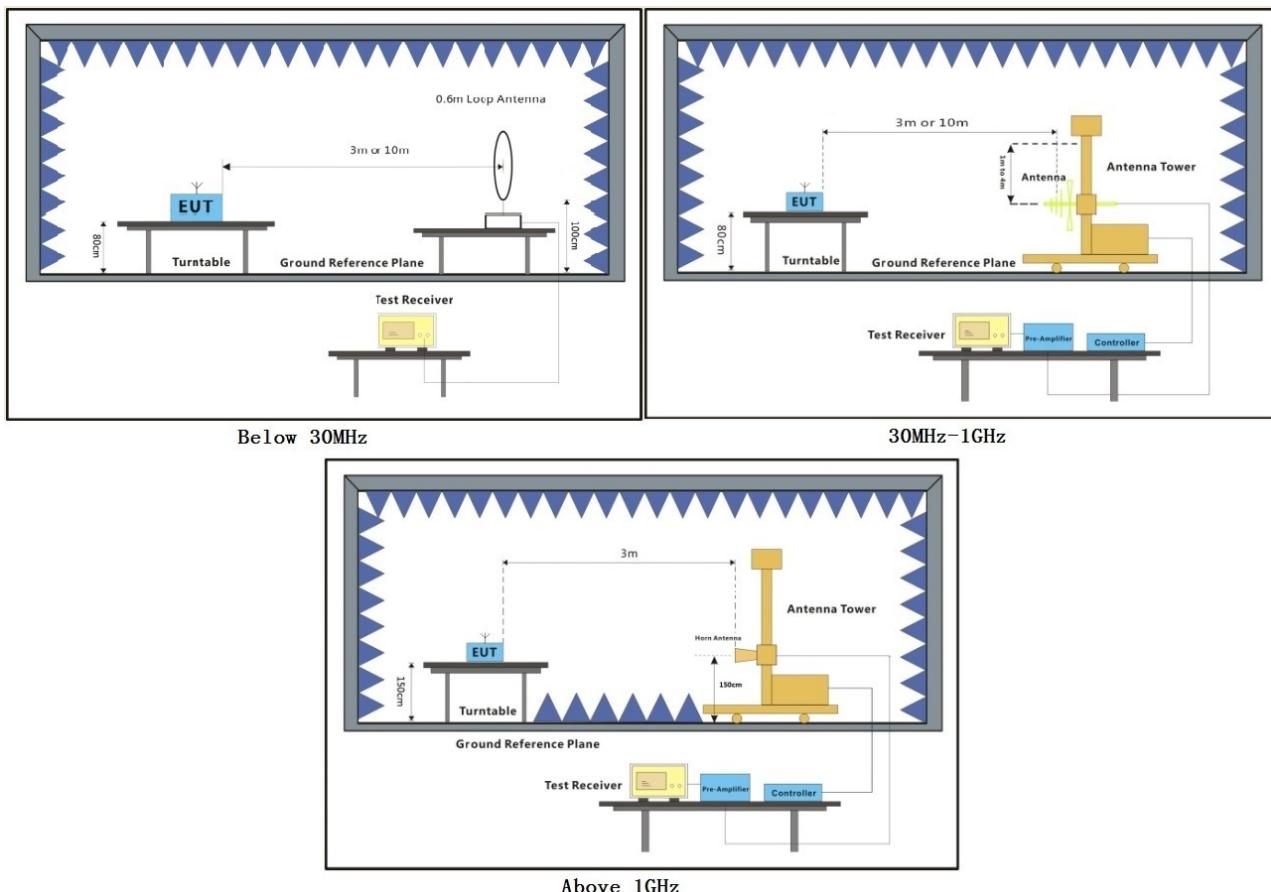
### 7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 26 °C Humidity: 53.3 % RH Atmospheric Pressure: 1015 mbar

Test mode: c:TX mode (Band 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.

f:TX mode (Band 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.

**7.6.2 Test Setup Diagram**

### **7.6.3 Measurement Procedure and Data**

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

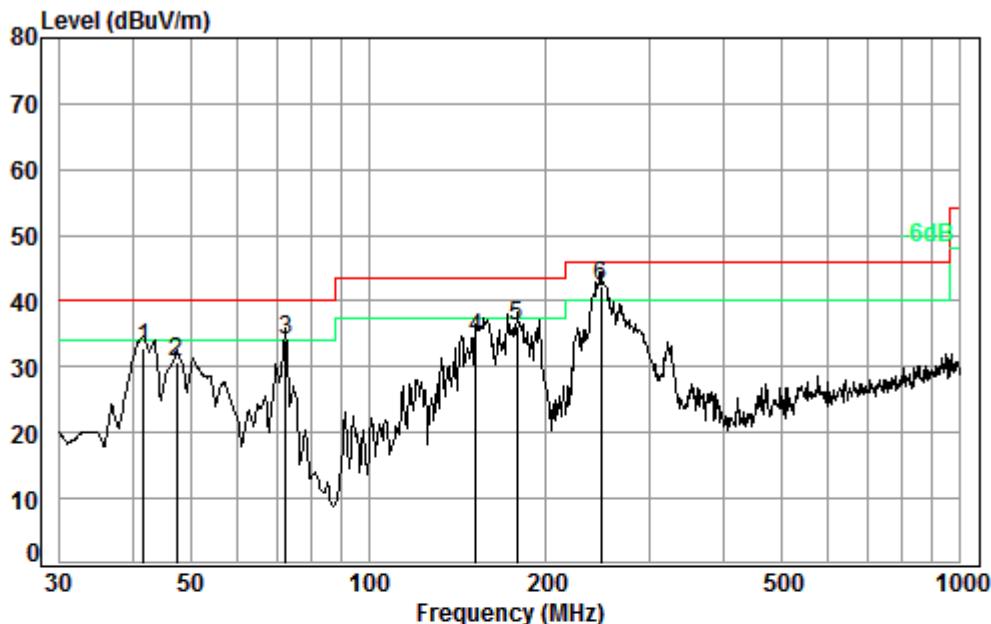
Remark:

1. 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 40GHz, the disturbance above 18GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
4. 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.

**30MHz~1GHz (Quasi-Peak Value)**

The test was performed with each type of antennas, only the data of the worst case (802.11a Lowest Channel with antenna 3) is recorded in the report.

Mode: a; Polarization: Horizontal;



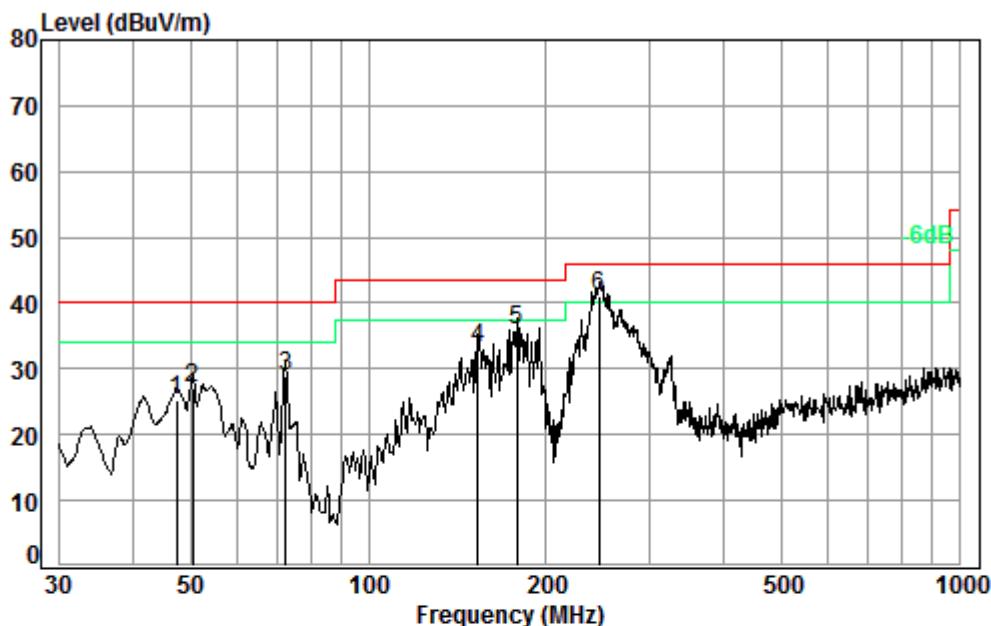
Condition: 3m HORIZONTAL

Job No. : 00248CR

Test mode: a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Over	
	Loss	Factor	Factor	Level				
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	41.71	0.64	16.88	27.62	42.88	32.78	40.00	-7.22
2	47.49	0.75	14.96	27.61	42.47	30.57	40.00	-9.43
3	72.59	0.88	12.58	27.52	48.05	33.99	40.00	-6.01
4	152.13	1.32	14.82	27.52	45.83	34.45	43.50	-9.05
5	178.13	1.37	15.86	27.53	46.60	36.30	43.50	-7.20
6 pp	247.68	1.66	18.92	27.53	49.25	42.30	46.00	-3.70

Mode :a; Polarization: Vertical



Condition: 3m VERTICAL

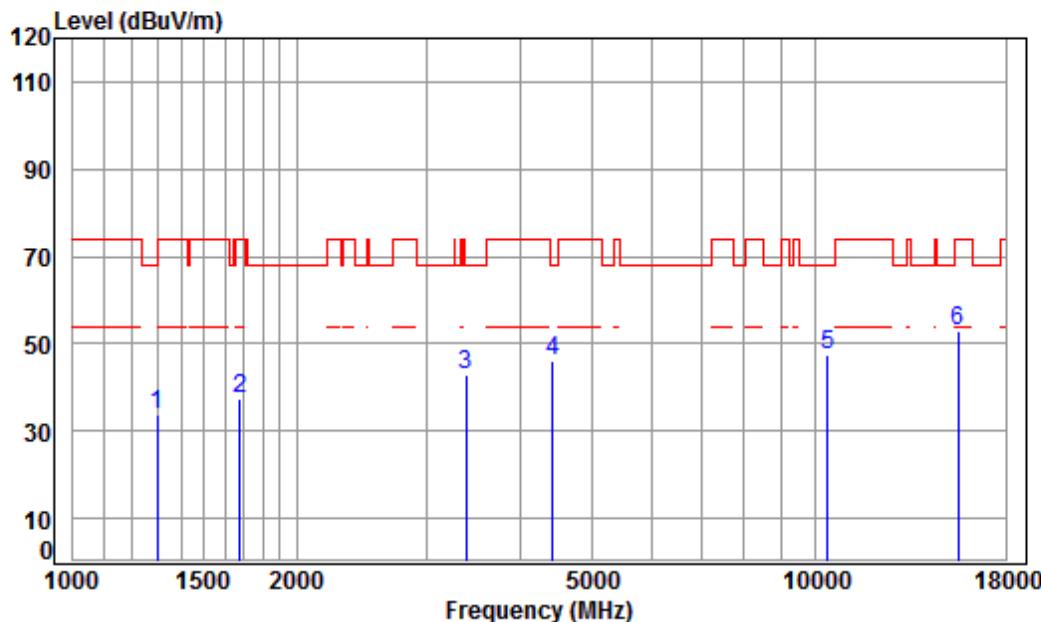
Job No. : 00248CR

Test mode: a

Freq	Cable	Ant	Preamp	Read	Limit	Over		
	MHz	Loss	Factor	Factor	Level	Level	Line	Limit
1	47.49	0.75	14.96	27.61	37.11	25.21	40.00	-14.79
2	50.41	0.80	14.16	27.60	39.83	27.19	40.00	-12.81
3	72.59	0.88	12.58	27.52	43.05	28.99	40.00	-11.01
4	153.20	1.32	14.91	27.52	44.42	33.13	43.50	-10.37
5	178.13	1.37	15.86	27.53	46.12	35.82	43.50	-7.68
6 pp	245.95	1.65	18.89	27.53	48.10	41.11	46.00	-4.89

Antenna1:

Mode:c; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

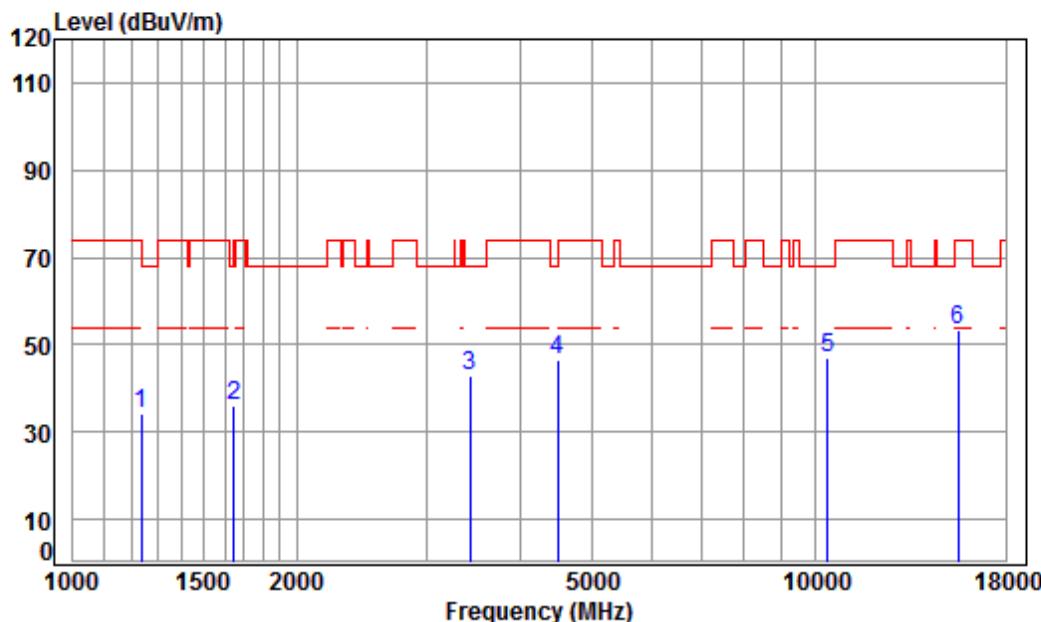
Job No : 03478CR

Mode : 5180 TX RSE

Note : 5G WIFI 11A

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level			
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1300.858	4.80	25.03	41.26	45.24	33.81	74.00	-40.19 peak
2	1677.621	5.25	26.58	41.52	47.24	37.55	74.00	-36.45 peak
3	3376.523	6.35	31.51	42.19	47.23	42.90	68.20	-25.30 peak
4	4417.841	7.47	33.46	42.40	47.76	46.29	68.20	-21.91 peak
5	pp10360.000	11.19	37.76	37.45	36.15	47.65	68.20	-20.55 peak
6	15540.000	14.30	40.72	39.00	36.92	52.94	74.00	-21.06 peak

Mode:c; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

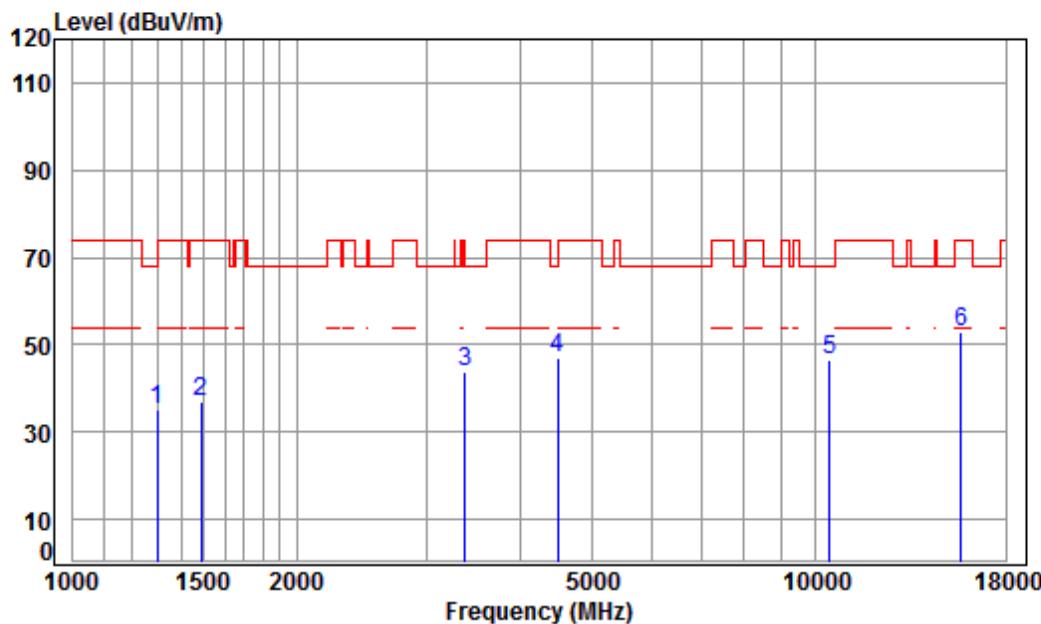
Job No : 03478CR

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	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1234.909	4.55	24.74	41.21	46.03	34.11	74.00	-39.89	peak
2	1648.778	5.29	26.46	41.50	45.99	36.24	68.20	-31.96	peak
3	3425.675	6.39	31.59	42.20	47.14	42.92	68.20	-25.28	peak
4	4495.125	7.55	33.59	42.42	47.98	46.70	68.20	-21.50	peak
5	10360.000	11.19	37.76	37.45	35.52	47.02	68.20	-21.18	peak
6	pp15540.000	14.30	40.72	39.00	37.30	53.32	74.00	-20.68	peak

Mode:c; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

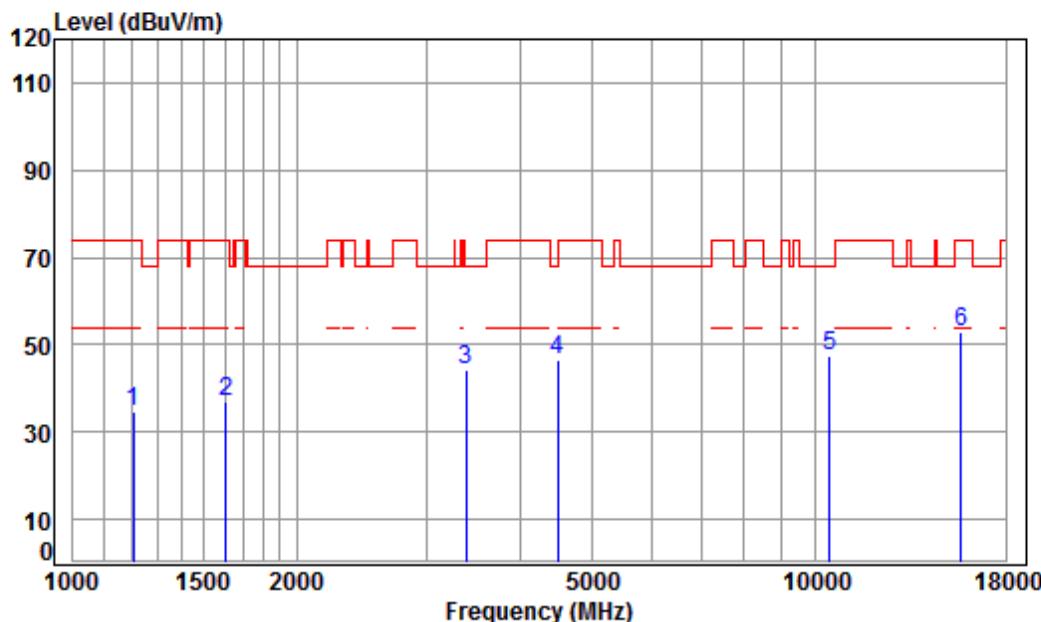
Job No : 03478CR

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	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.80	25.03	41.26	46.73	35.30	74.00	-38.70	peak
2	1485.841	5.43	25.75	41.40	47.20	36.98	74.00	-37.02	peak
3	3366.778	6.34	31.50	42.19	47.98	43.63	68.20	-24.57	peak
4	4495.125	7.55	33.59	42.42	48.17	46.89	68.20	-21.31	peak
5	10440.000	11.25	37.72	37.51	35.21	46.67	68.20	-21.53	peak
6	pp15660.000	14.48	40.80	39.11	36.94	53.11	74.00	-20.89	peak

Mode:c; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

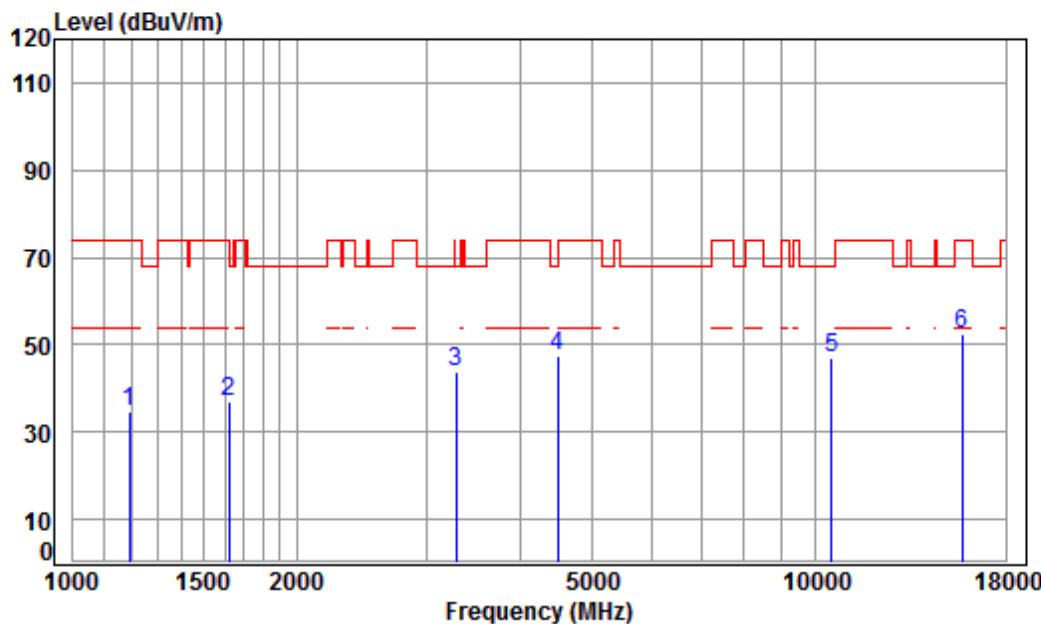
Job No : 03478CR

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	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1206.682	4.44	24.62	41.19	46.74	34.61	74.00	-39.39	peak
2	1606.441	5.34	26.28	41.47	46.98	37.13	74.00	-36.87	peak
3	3376.523	6.35	31.51	42.19	48.58	44.25	68.20	-23.95	peak
4	4495.125	7.55	33.59	42.42	47.96	46.68	68.20	-21.52	peak
5	pp10440.000	11.25	37.72	37.51	35.84	47.30	68.20	-20.90	peak
6	15660.000	14.48	40.80	39.11	36.79	52.96	74.00	-21.04	peak

Mode:c; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

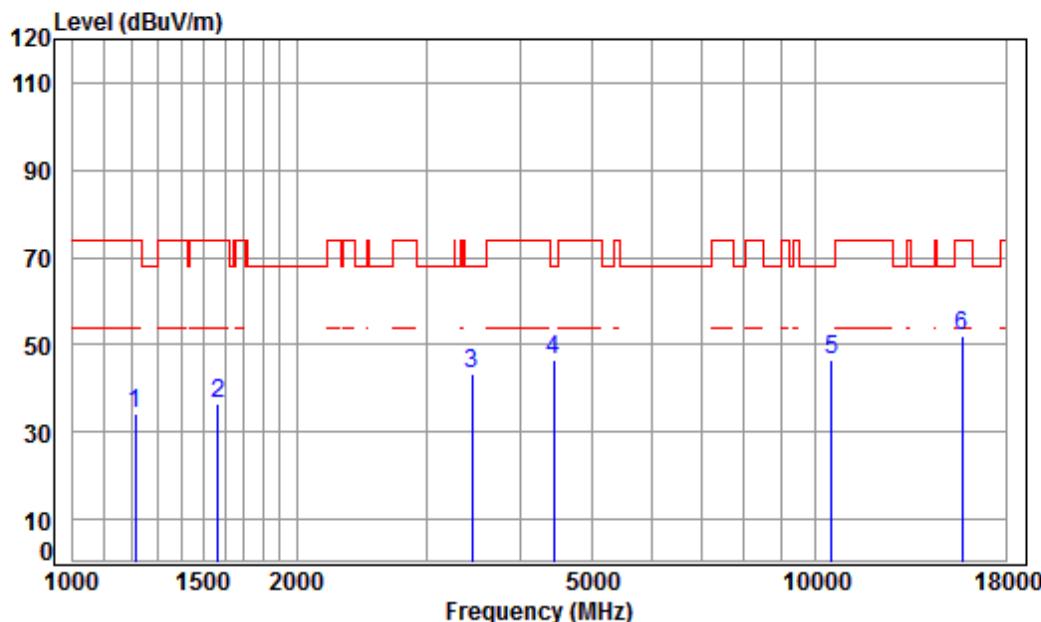
Job No : 03478CR

Mode : 5240 TX RSE

Note : 5G WIFI 11A

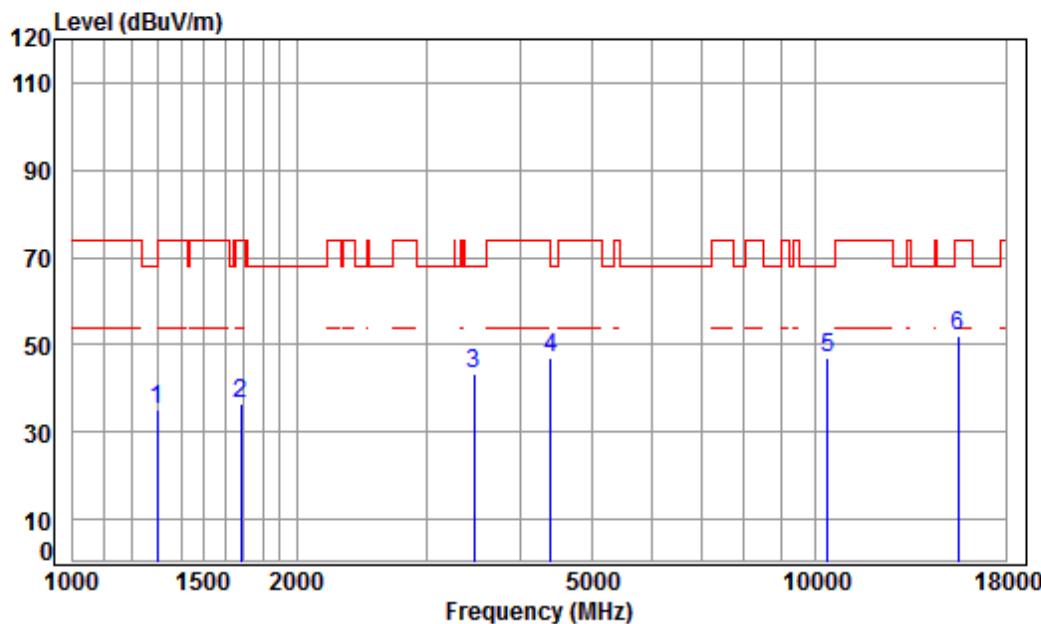
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1192.811	4.39	24.56	41.18	46.69	34.46	74.00	-39.54	peak
2	1620.431	5.32	26.34	41.48	46.70	36.88	74.00	-37.12	peak
3	3280.326	6.26	31.36	42.17	48.35	43.80	68.20	-24.40	peak
4 pp	4495.125	7.55	33.59	42.42	48.54	47.26	68.20	-20.94	peak
5	10480.000	11.28	37.71	37.53	35.51	46.97	68.20	-21.23	peak
6	15720.000	14.57	40.83	39.17	36.46	52.69	74.00	-21.31	peak

Mode:c; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:High



Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	Level			
1 1213.677	4.47	24.65	41.19	46.38	34.31	74.00	-39.69	peak
2 1569.721	5.39	26.12	41.45	46.30	36.36	74.00	-37.64	peak
3 3445.535	6.41	31.62	42.21	47.66	43.48	68.20	-24.72	peak
4 pp 4443.453	7.50	33.50	42.41	48.16	46.75	68.20	-21.45	peak
5 10480.000	11.28	37.71	37.53	35.28	46.74	68.20	-21.46	peak
6 15720.000	14.57	40.83	39.17	35.85	52.08	74.00	-21.92	peak

Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

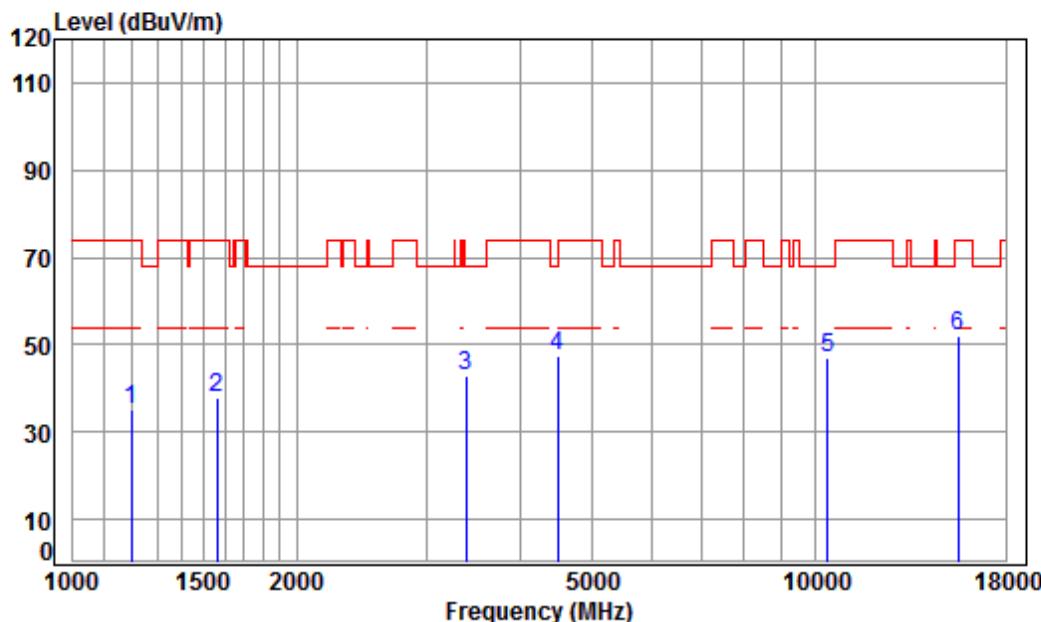
Job No : 03478CR

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	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.80	25.03	41.26	46.43	35.00	74.00	-39.00	peak
2	1682.477	5.25	26.60	41.52	46.13	36.46	74.00	-37.54	peak
3	3465.510	6.43	31.65	42.21	47.28	43.15	68.20	-25.05	peak
4	4392.376	7.44	33.42	42.40	48.35	46.81	74.00	-27.19	peak
5	pp10360.000	11.19	37.76	37.45	35.42	46.92	68.20	-21.28	peak
6	15540.000	14.30	40.72	39.00	36.08	52.10	74.00	-21.90	peak

Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

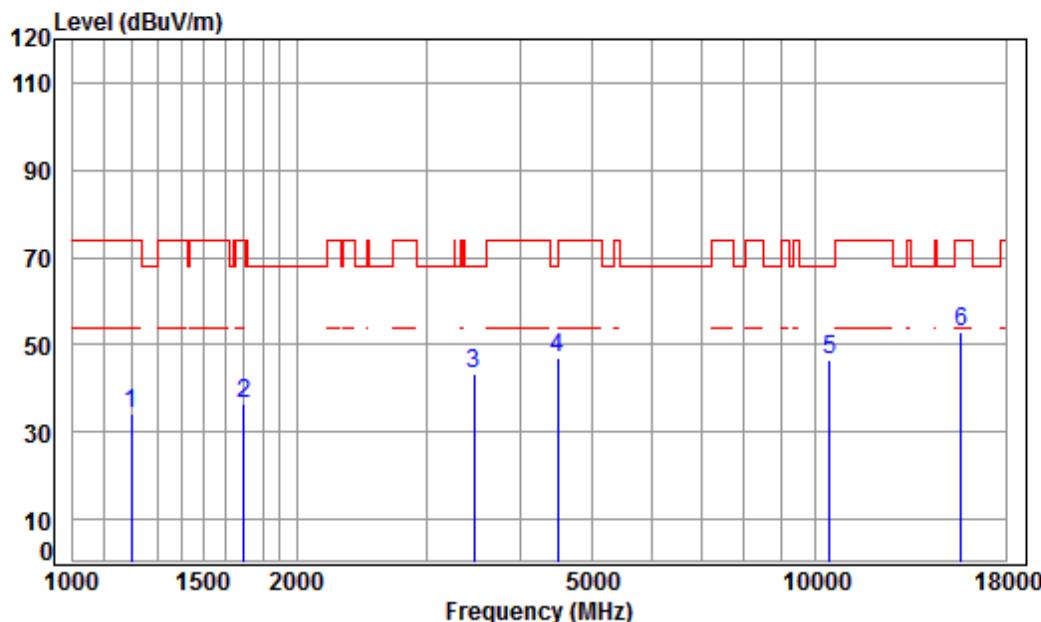
Job No : 03478CR

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	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1199.726	4.42	24.59	41.18	47.20	35.03	74.00	-38.97	peak
2	1565.191	5.39	26.10	41.45	47.84	37.88	74.00	-36.12	peak
3	3376.523	6.35	31.51	42.19	47.16	42.83	68.20	-25.37	peak
4 pp	4495.125	7.55	33.59	42.42	48.84	47.56	68.20	-20.64	peak
5	10360.000	11.19	37.76	37.45	35.57	47.07	68.20	-21.13	peak
6	15540.000	14.30	40.72	39.00	36.14	52.16	74.00	-21.84	peak

Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

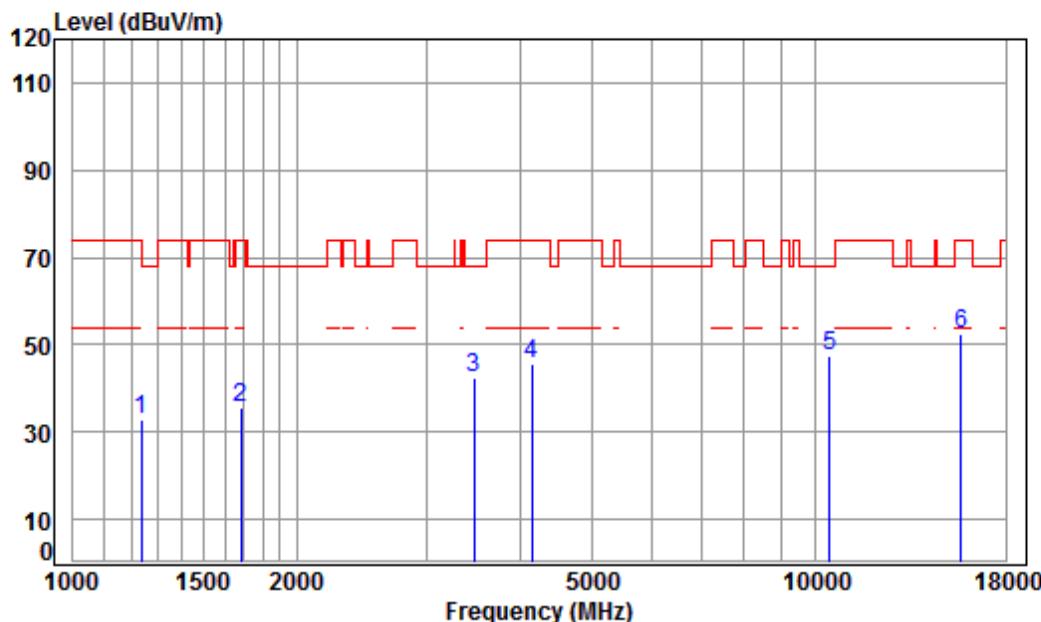
Job No : 03478CR

Mode : 5220 TX RSE

Note : 5G WIFI 11N20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1199.726	4.42	24.59	41.18	46.44	34.27	74.00	-39.73	peak
2	1697.129	5.23	26.66	41.53	46.10	36.46	74.00	-37.54	peak
3	3465.510	6.43	31.65	42.21	47.39	43.26	68.20	-24.94	peak
4 pp	4495.125	7.55	33.59	42.42	48.37	47.09	68.20	-21.11	peak
5	10440.000	11.25	37.72	37.51	35.03	46.49	68.20	-21.71	peak
6	15660.000	14.48	40.80	39.11	36.67	52.84	74.00	-21.16	peak

Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

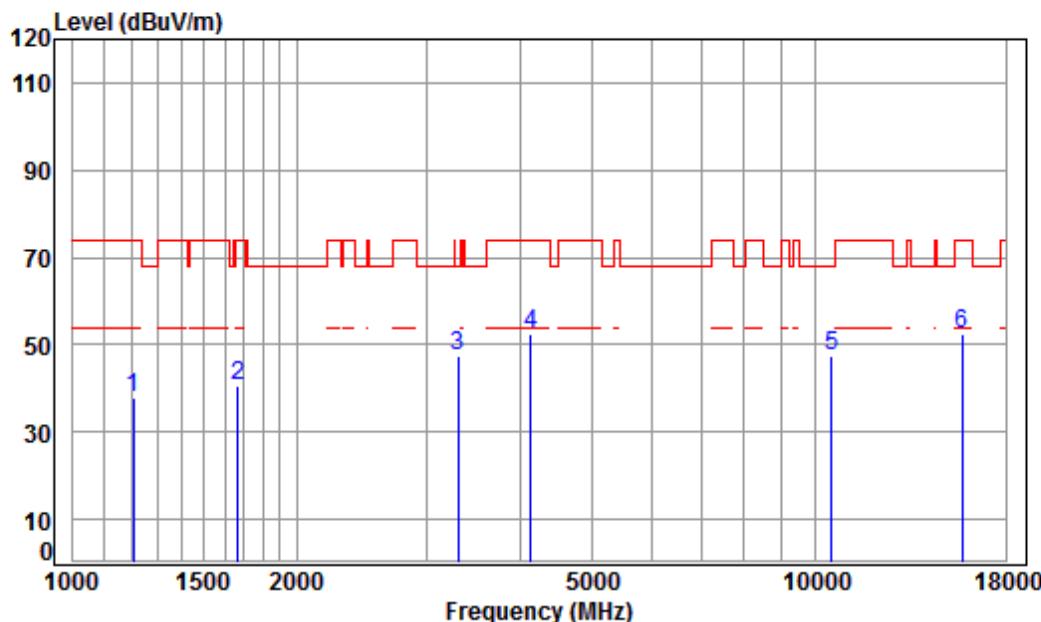
Job No : 03478CR

Mode : 5220 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	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1234.909	4.55	24.74	41.21	44.84	32.92	74.00	-41.08	peak
2	1682.477	5.25	26.60	41.52	45.48	35.81	74.00	-38.19	peak
3	3465.510	6.43	31.65	42.21	46.62	42.49	68.20	-25.71	peak
4	4145.664	7.16	32.97	42.35	47.67	45.45	74.00	-28.55	peak
5	pp10440.000	11.25	37.72	37.51	36.09	47.55	68.20	-20.65	peak
6	15660.000	14.48	40.80	39.11	36.24	52.41	74.00	-21.59	peak

Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

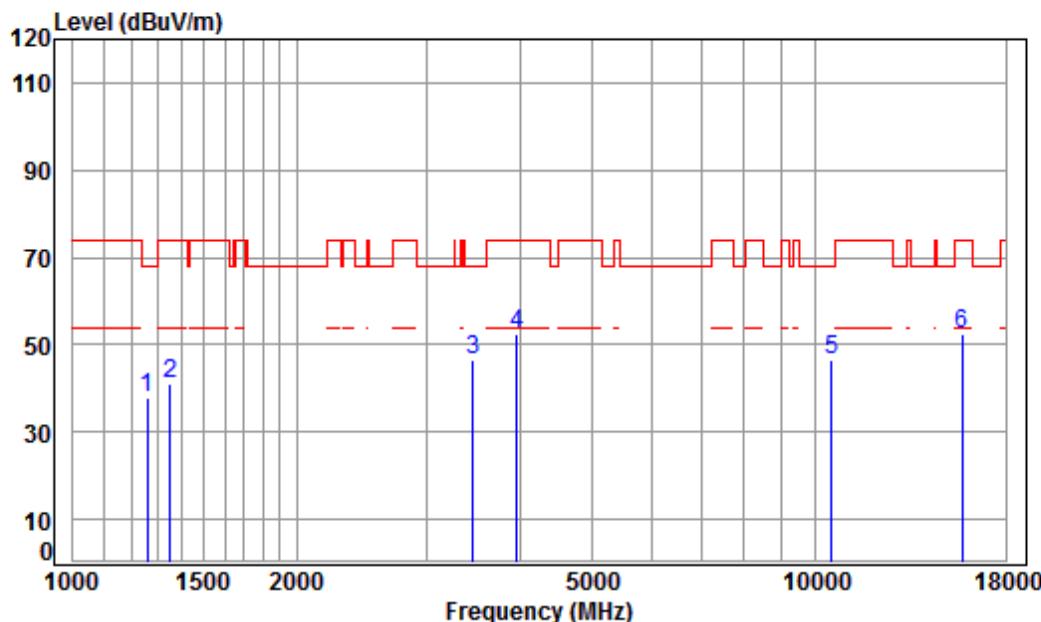
Job No : 03478CR

Mode : 5240 TX RSE

Note : 5G WIFI 11N20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1206.682	4.44	24.51	38.07	46.99	37.87	74.00	-36.13 peak
2	1667.951	5.27	26.54	38.03	46.75	40.53	74.00	-33.47 peak
3 pp	3299.344	6.28	31.86	37.93	47.11	47.32	68.20	-20.88 peak
4	4133.699	7.14	33.60	38.07	49.62	52.29	74.00	-21.71 peak
5	10480.000	11.28	37.12	35.15	34.06	47.31	68.20	-20.89 peak
6	15720.000	14.57	41.31	38.10	34.87	52.65	74.00	-21.35 peak

Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

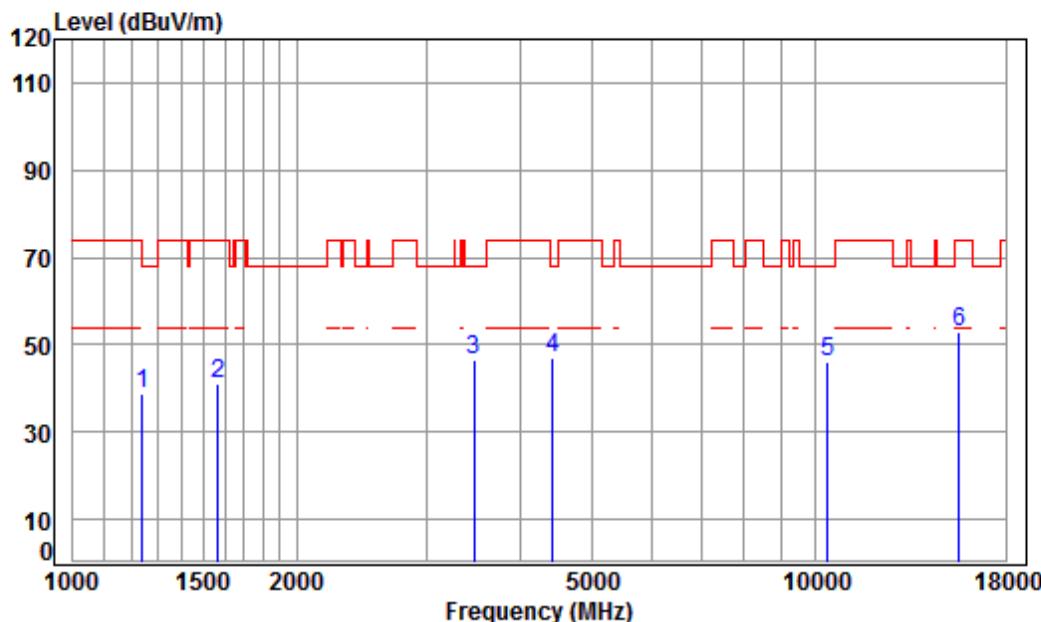
Job No : 03478CR

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	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1260.149	4.65	24.77	38.07	46.65	38.00	68.20	-30.20	peak
2	1350.667	4.98	25.18	38.06	48.74	40.84	74.00	-33.16	peak
3	3455.508	6.42	32.13	37.95	45.90	46.50	68.20	-21.70	peak
4	3958.309	6.94	33.49	38.00	49.84	52.27	74.00	-21.73	peak
5	10480.000	11.28	37.12	35.15	33.44	46.69	68.20	-21.51	peak
6	pp15720.000	14.57	41.31	38.10	34.74	52.52	74.00	-21.48	peak

Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

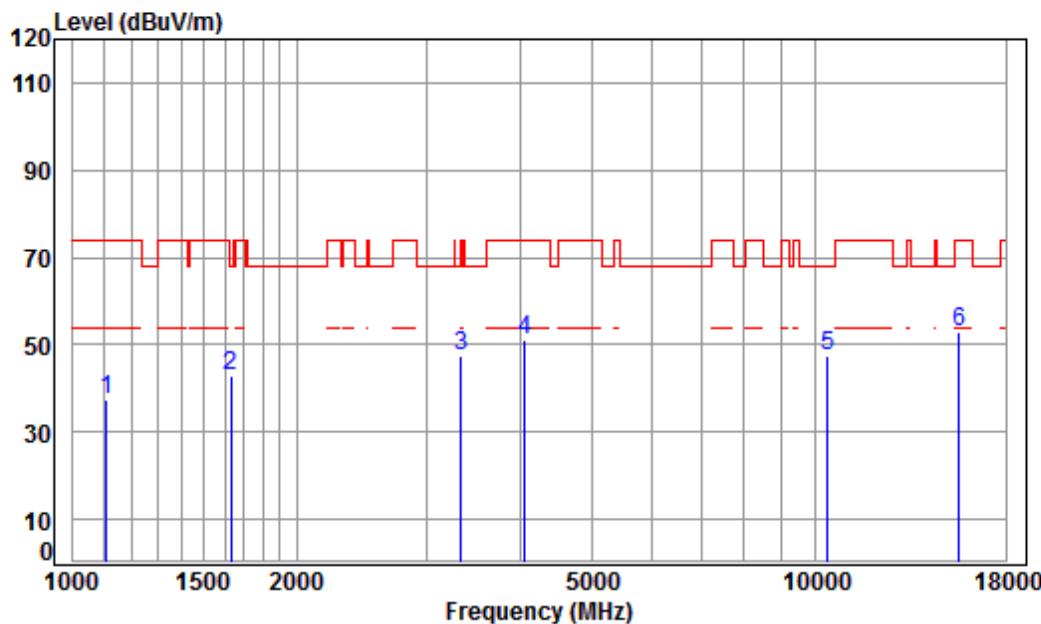
Job No : 03478CR

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	dB	
1	1238.483	4.57	24.67	38.07	47.39	38.56	74.00	-35.44	peak
2	1569.721	5.39	26.12	38.03	47.45	40.93	74.00	-33.07	peak
3	3465.510	6.43	32.14	37.95	45.90	46.52	68.20	-21.68	peak
4 pp	4417.841	7.47	33.60	38.22	44.22	47.07	68.20	-21.13	peak
5	10380.000	11.21	37.22	35.10	32.89	46.22	68.20	-21.98	peak
6	15570.000	14.35	41.37	38.26	35.28	52.74	74.00	-21.26	peak

Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

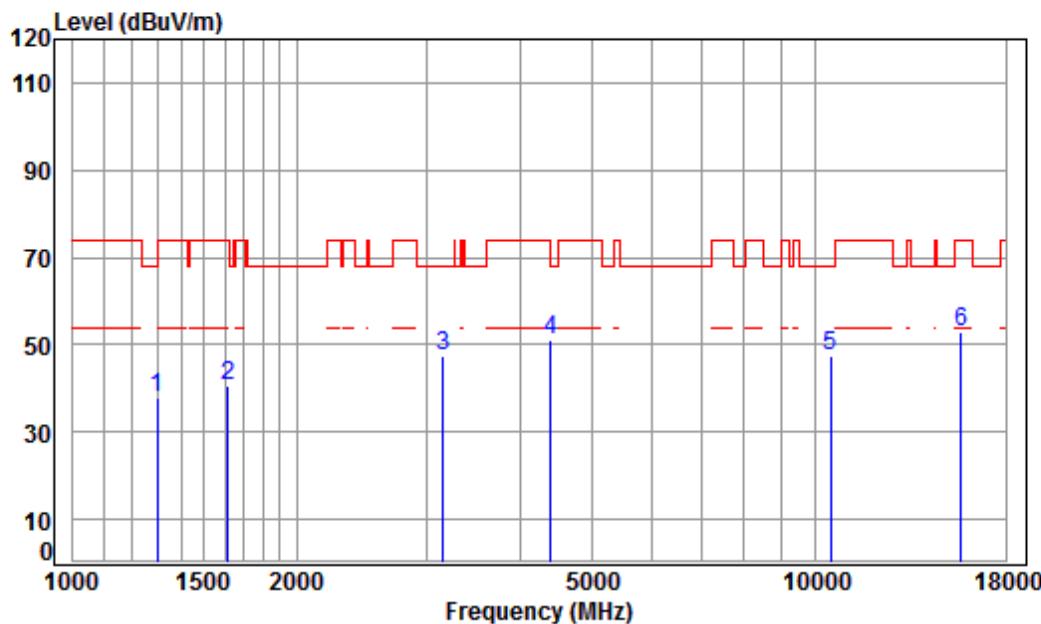
Job No : 03478CR

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	dB	
1	1109.660	4.05	24.02	38.08	47.30	37.29	74.00	-36.71	peak
2	1629.825	5.31	26.38	38.03	49.08	42.74	68.20	-25.46	peak
3 pp	3328.077	6.30	31.91	37.94	47.20	47.47	68.20	-20.73	peak
4	4062.629	7.06	33.60	38.03	48.55	51.18	74.00	-22.82	peak
5	10380.000	11.21	37.22	35.10	33.99	47.32	68.20	-20.88	peak
6	15570.000	14.35	41.37	38.26	35.53	52.99	74.00	-21.01	peak

Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

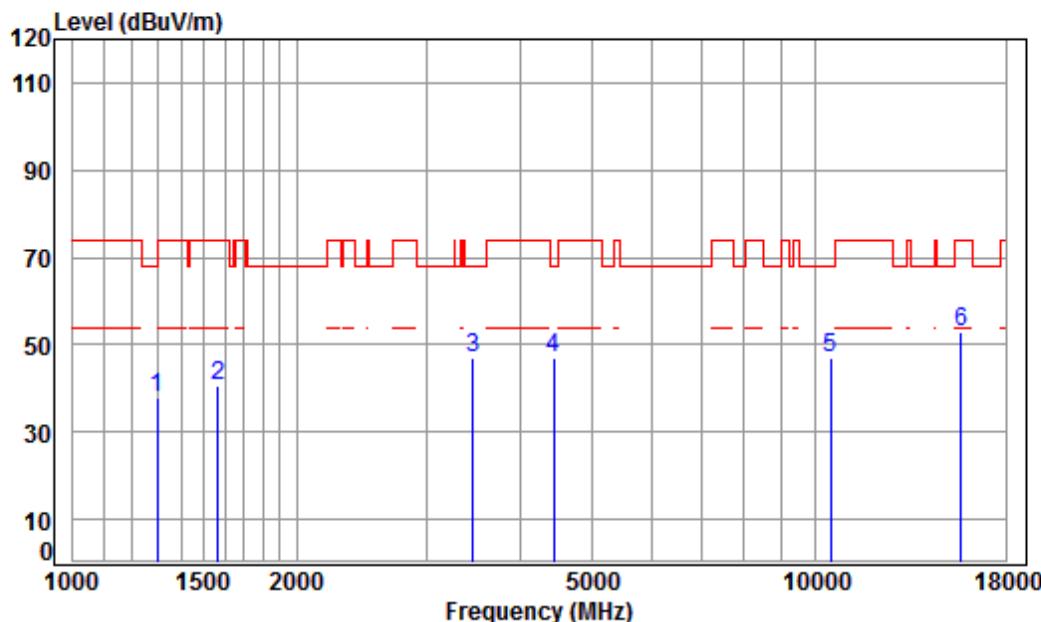
Job No : 03478CR

Mode : 5230 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	dB	
1	1297.103	4.79	24.94	38.06	46.06	37.73	68.20	-30.47	peak
2	1615.754	5.33	26.32	38.03	47.22	40.84	74.00	-33.16	peak
3 pp	3150.237	6.13	31.59	37.92	47.85	47.65	68.20	-20.55	peak
4	4392.376	7.44	33.60	38.21	48.49	51.32	74.00	-22.68	peak
5	10460.000	11.26	37.14	35.14	34.02	47.28	68.20	-20.92	peak
6	15690.000	14.53	41.32	38.13	35.05	52.77	74.00	-21.23	peak

Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

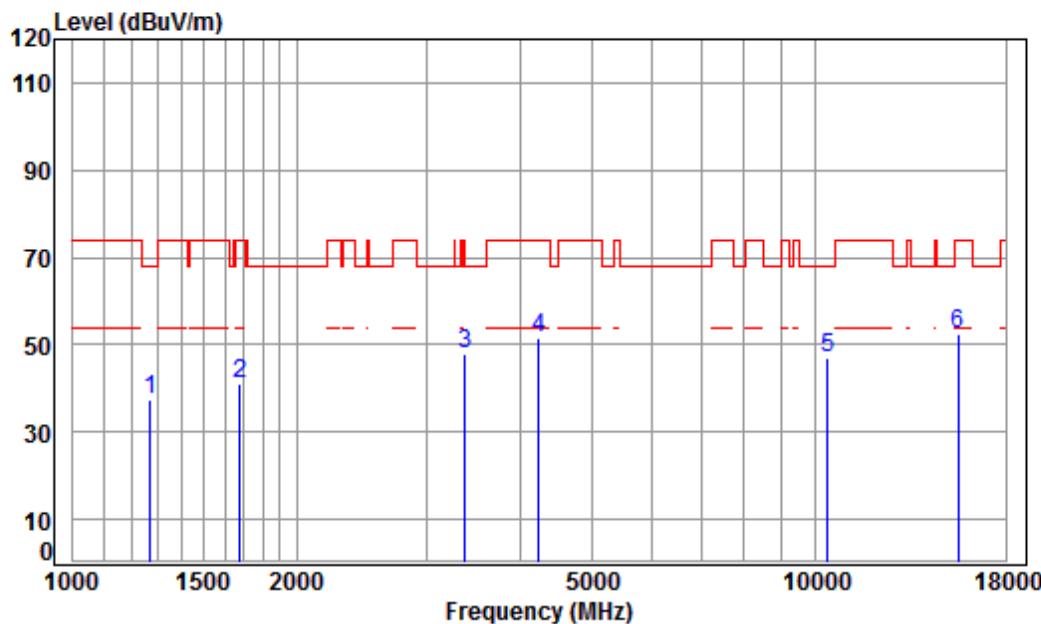
Job No : 03478CR

Mode : 5230 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	dB	
1	1300.858	4.80	24.96	38.06	46.35	38.05	74.00	-35.95	peak
2	1569.721	5.39	26.12	38.03	47.02	40.50	74.00	-33.50	peak
3	3455.508	6.42	32.13	37.95	46.31	46.91	68.20	-21.29	peak
4	4443.453	7.50	33.60	38.24	44.06	46.92	68.20	-21.28	peak
5	10460.000	11.26	37.14	35.14	33.62	46.88	68.20	-21.32	peak
6	pp15690.000	14.53	41.32	38.13	35.26	52.98	74.00	-21.02	peak

Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

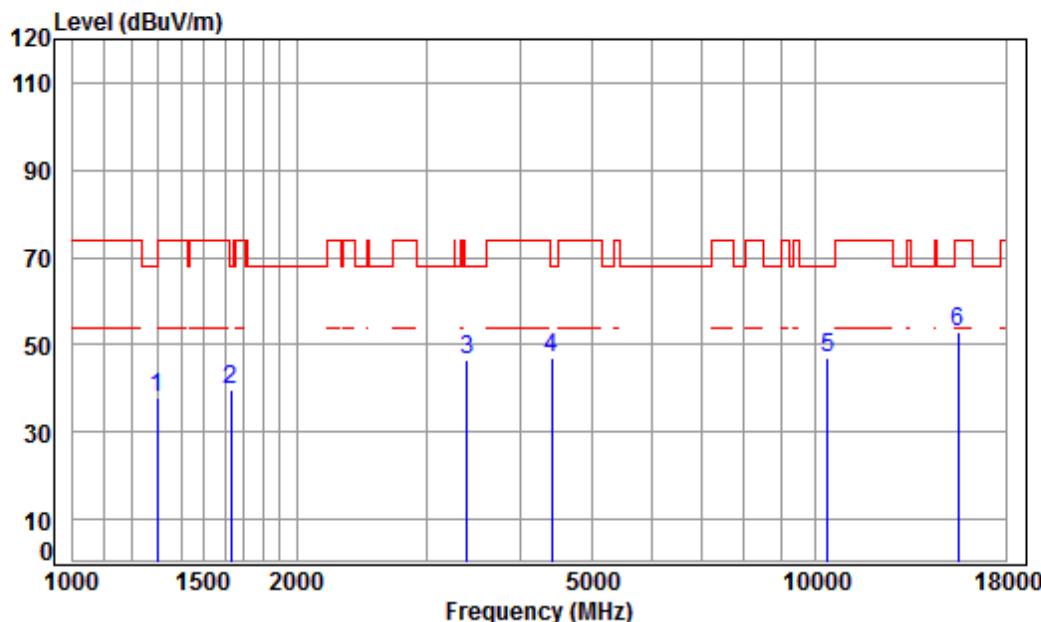
Job No : 03478CR

Mode : 5180 TX RSE

Note : 5G WIFI 11AC20

	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	dB	
1	1271.123	4.69	24.82	38.07	46.06	37.50	68.20	-30.70	peak
2	1677.621	5.25	26.58	38.03	47.48	41.28	74.00	-32.72	peak
3 pp	3366.778	6.34	31.97	37.94	47.46	47.83	68.20	-20.37	peak
4	4230.396	7.26	33.60	38.13	48.96	51.69	74.00	-22.31	peak
5	10360.000	11.19	37.24	35.09	33.74	47.08	68.20	-21.12	peak
6	15540.000	14.30	41.38	38.30	35.05	52.43	74.00	-21.57	peak

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

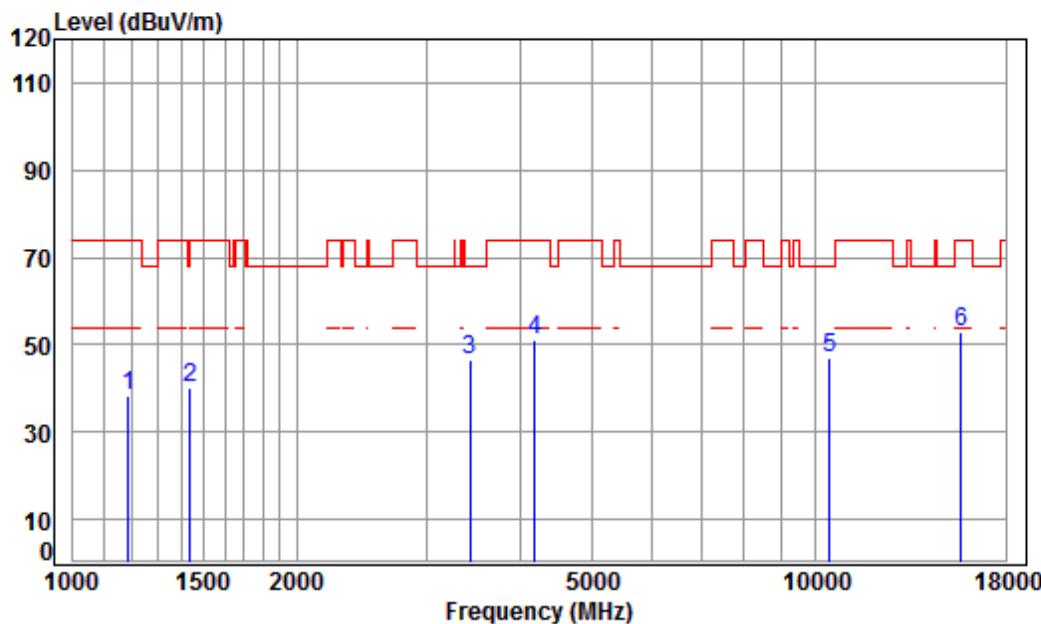
Job No : 03478CR

Mode : 5180 TX RSE

Note : 5G WIFI 11AC20

	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	dB	
1	1300.858	4.80	24.96	38.06	46.06	37.76	74.00	-36.24	peak
2	1634.543	5.31	26.40	38.03	46.20	39.88	68.20	-28.32	peak
3	3396.098	6.37	32.02	37.94	46.25	46.70	68.20	-21.50	peak
4 pp	4405.090	7.46	33.60	38.22	44.37	47.21	68.20	-20.99	peak
5	10360.000	11.19	37.24	35.09	33.71	47.05	68.20	-21.15	peak
6	15540.000	14.30	41.38	38.30	35.45	52.83	74.00	-21.17	peak

Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

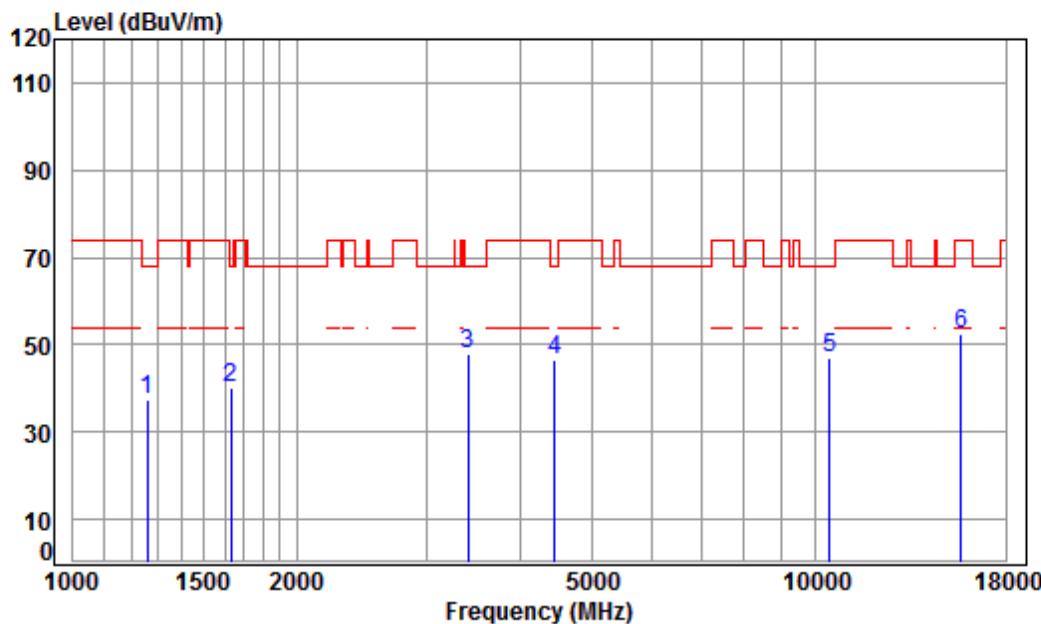
Job No : 03478CR

Mode : 5220 TX RSE

Note : 5G WIFI 11AC20

	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	dB	
1	1189.368	4.38	24.43	38.07	47.58	38.32	74.00	-35.68	peak
2	1439.343	5.28	25.56	38.05	47.41	40.20	74.00	-33.80	peak
3	3425.675	6.39	32.07	37.95	46.19	46.70	68.20	-21.50	peak
4	4181.768	7.20	33.60	38.10	48.30	51.00	74.00	-23.00	peak
5	10440.000	11.25	37.16	35.13	33.55	46.83	68.20	-21.37	peak
6	pp15660.000	14.48	41.34	38.17	35.06	52.71	74.00	-21.29	peak

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

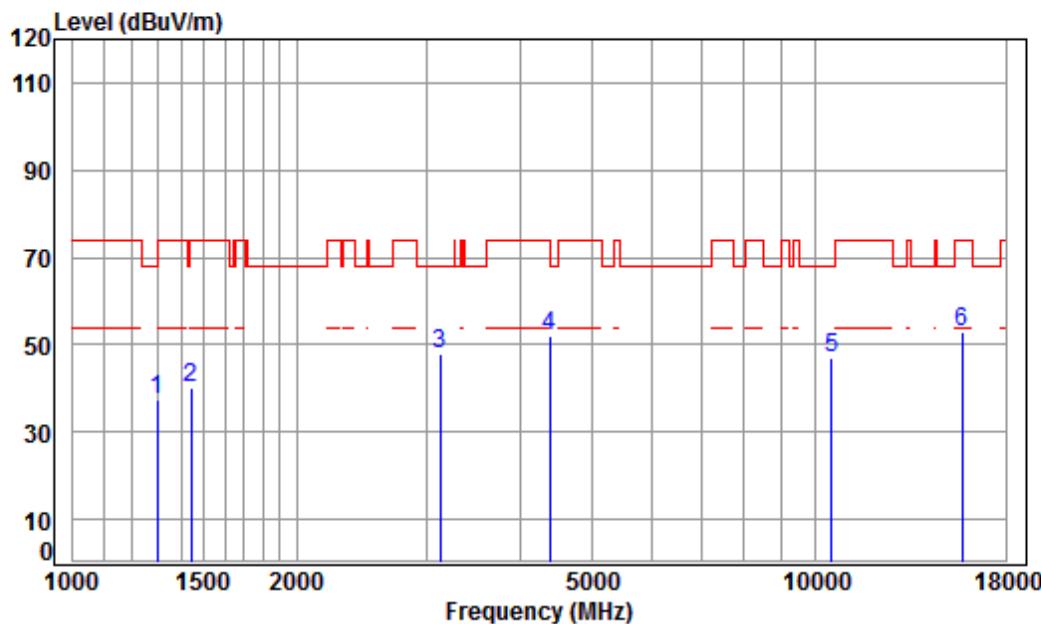
Job No : 03478CR

Mode : 5220 TX RSE

Note : 5G WIFI 11AC20

	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	dB	
1	1260.149	4.65	24.77	38.07	46.22	37.57	68.20	-30.63	peak
2	1629.825	5.31	26.38	38.03	46.55	40.21	68.20	-27.99	peak
3 pp	3405.929	6.38	32.04	37.94	47.28	47.76	68.20	-20.44	peak
4	4456.315	7.51	33.60	38.24	43.82	46.69	68.20	-21.51	peak
5	10440.000	11.25	37.16	35.13	33.55	46.83	68.20	-21.37	peak
6	15660.000	14.48	41.34	38.17	34.75	52.40	74.00	-21.60	peak

Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 03478CR

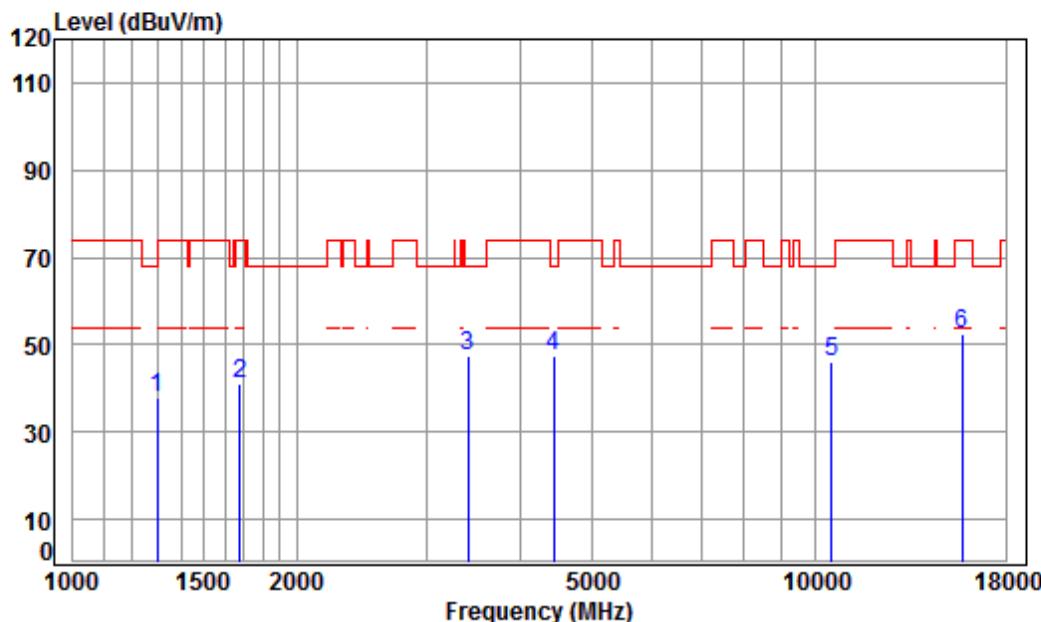
Mode : 5240 TX RSE

Note : 5G WIFI 11AC20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line	Over Limit	Remark
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	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1297.103	4.79	24.94	38.06	45.61	37.28	68.20	-30.92	peak
2	1443.509	5.30	25.57	38.05	47.12	39.94	74.00	-34.06	peak
3 pp	3123.039	6.11	31.53	37.91	47.98	47.71	68.20	-20.49	peak
4	4379.699	7.43	33.60	38.20	49.26	52.09	74.00	-21.91	peak
5	10480.000	11.28	37.12	35.15	33.52	46.77	68.20	-21.43	peak
6	15720.000	14.57	41.31	38.10	35.01	52.79	74.00	-21.21	peak

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

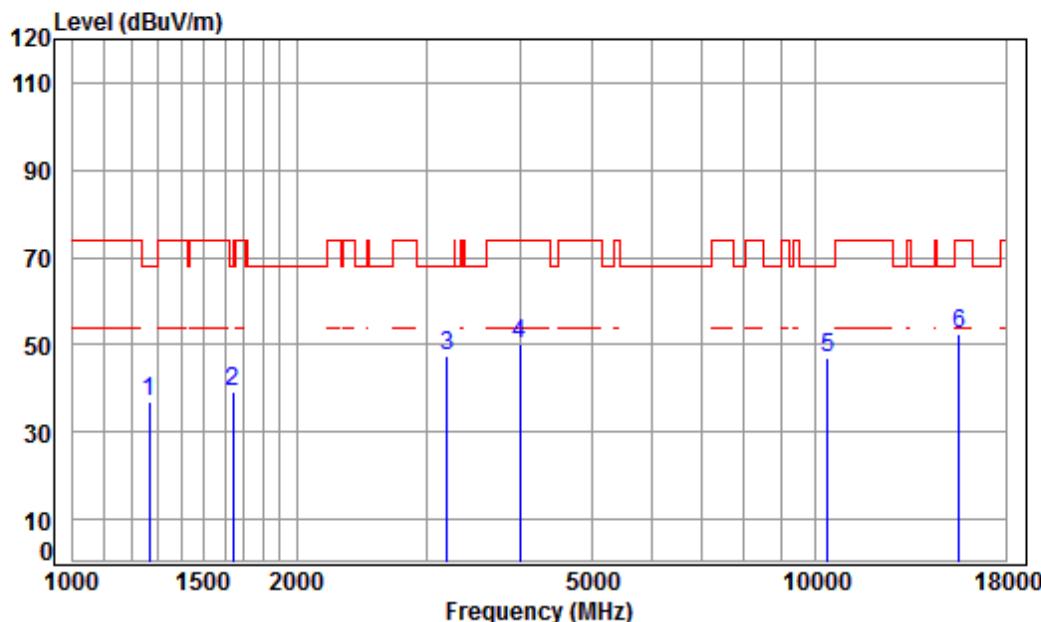
Job No : 03478CR

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	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.80	24.96	38.06	46.26	37.96	74.00	-36.04	peak
2	1677.621	5.25	26.58	38.03	47.44	41.24	74.00	-32.76	peak
3 pp	3405.929	6.38	32.04	37.94	47.10	47.58	68.20	-20.62	peak
4	4430.628	7.48	33.60	38.23	44.62	47.47	68.20	-20.73	peak
5	10480.000	11.28	37.12	35.15	33.02	46.27	68.20	-21.93	peak
6	15720.000	14.57	41.31	38.10	34.76	52.54	74.00	-21.46	peak

Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

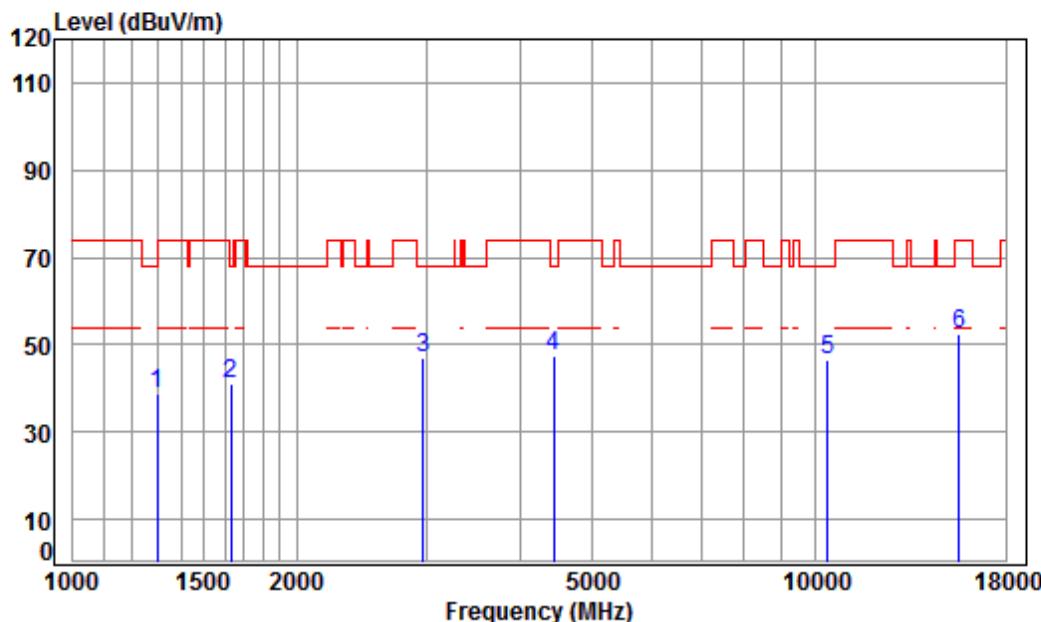
Job No : 03478CR

Mode : 5190 TX RSE

Note : 5G WIFI 11AC40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1267.454	4.68	24.80	38.07	45.53	36.94	68.20	-31.26	peak
2	1644.019	5.30	26.44	38.03	45.75	39.46	68.20	-28.74	peak
3 pp	3186.869	6.17	31.65	37.92	47.36	47.26	68.20	-20.94	peak
4	3992.781	6.97	33.58	38.00	47.63	50.18	74.00	-23.82	peak
5	10380.000	11.21	37.22	35.10	33.86	47.19	68.20	-21.01	peak
6	15570.000	14.35	41.37	38.26	35.05	52.51	74.00	-21.49	peak

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

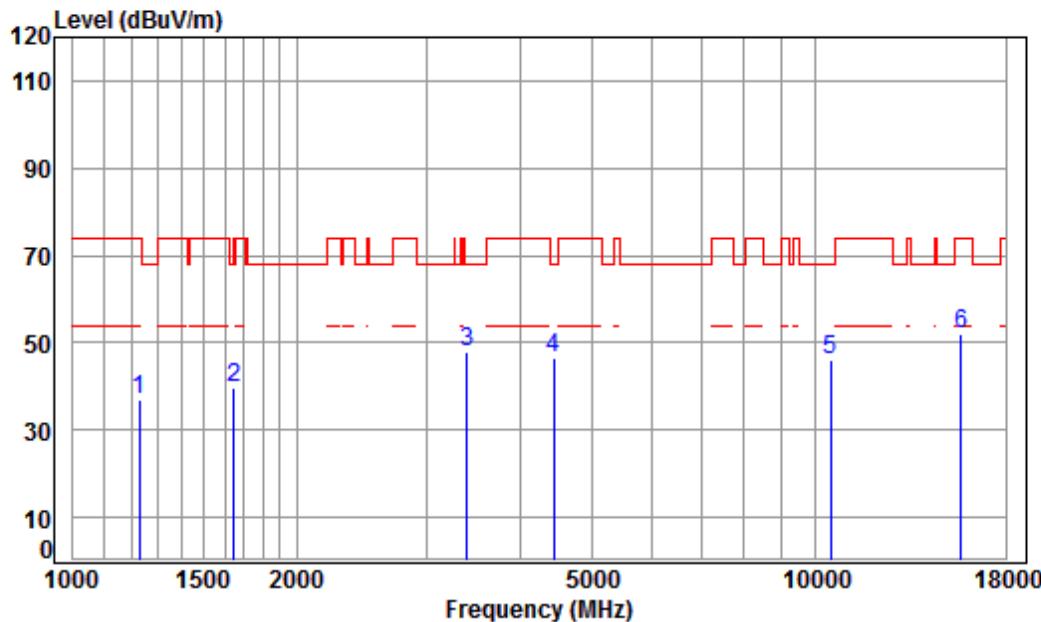
Job No : 03478CR

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	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.80	24.96	38.06	46.96	38.66	74.00	-35.34	peak
2	1629.825	5.31	26.38	38.03	47.29	40.95	68.20	-27.25	peak
3	2964.712	5.96	31.18	37.90	47.91	47.15	68.20	-21.05	peak
4 pp	4430.628	7.48	33.60	38.23	44.76	47.61	68.20	-20.59	peak
5	10380.000	11.21	37.22	35.10	33.30	46.63	68.20	-21.57	peak
6	15570.000	14.35	41.37	38.26	35.22	52.68	74.00	-21.32	peak

Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

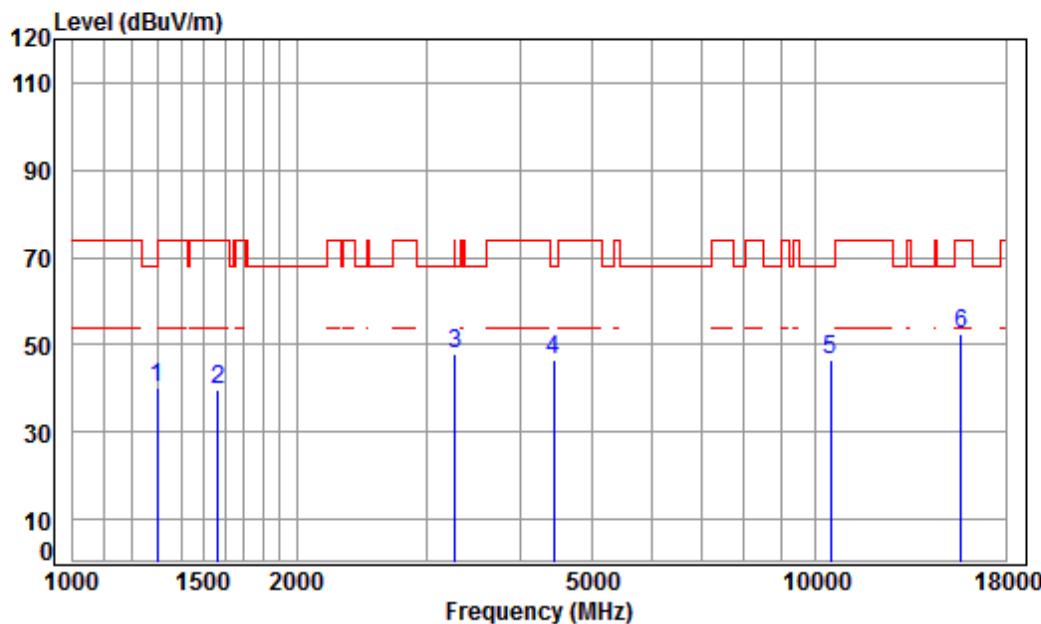
Job No : 03478CR

Mode : 5230 TX RSE

Note : 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	dB	
1	1227.791	4.53	24.61	38.07	45.79	36.86	74.00	-37.14	peak
2	1648.778	5.29	26.46	38.03	46.06	39.78	68.20	-28.42	peak
3 pp	3396.098	6.37	32.02	37.94	47.34	47.79	68.20	-20.41	peak
4	4430.628	7.48	33.60	38.23	43.71	46.56	68.20	-21.64	peak
5	10460.000	11.26	37.14	35.14	32.98	46.24	68.20	-21.96	peak
6	15690.000	14.53	41.32	38.13	34.33	52.05	74.00	-21.95	peak

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

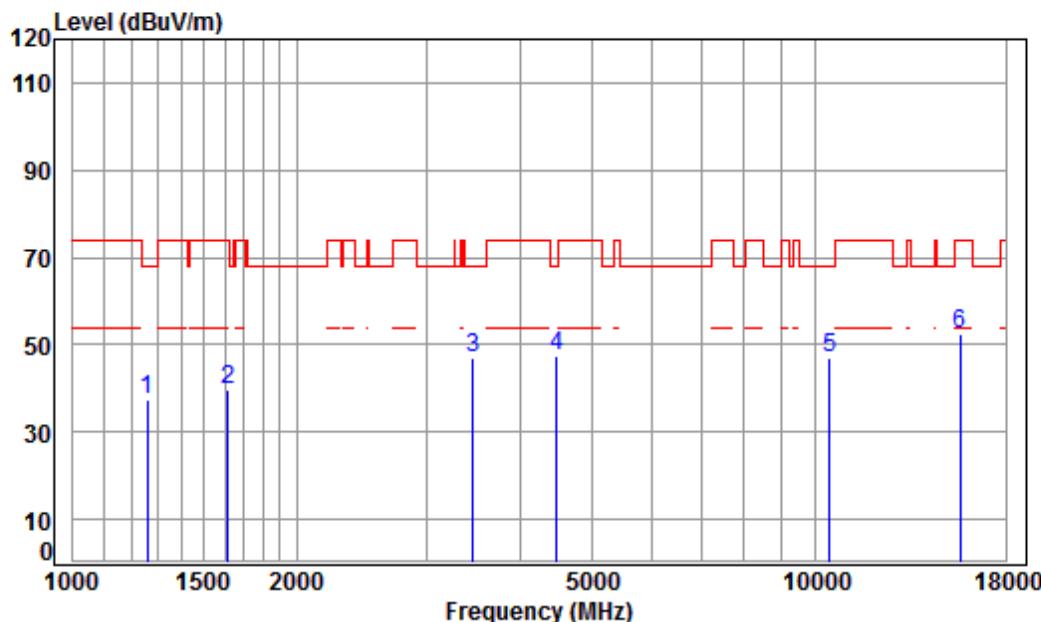
Job No : 03478CR

Mode : 5230 TX RSE

Note : 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	dB	
1	1300.858	4.80	24.96	38.06	48.59	40.29	74.00	-33.71	peak
2	1569.721	5.39	26.12	38.03	46.20	39.68	74.00	-34.32	peak
3 pp	3270.858	6.25	31.80	37.93	47.66	47.78	68.20	-20.42	peak
4	4443.453	7.50	33.60	38.24	43.56	46.42	68.20	-21.78	peak
5	10460.000	11.26	37.14	35.14	33.45	46.71	68.20	-21.49	peak
6	15690.000	14.53	41.32	38.13	34.64	52.36	74.00	-21.64	peak

Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

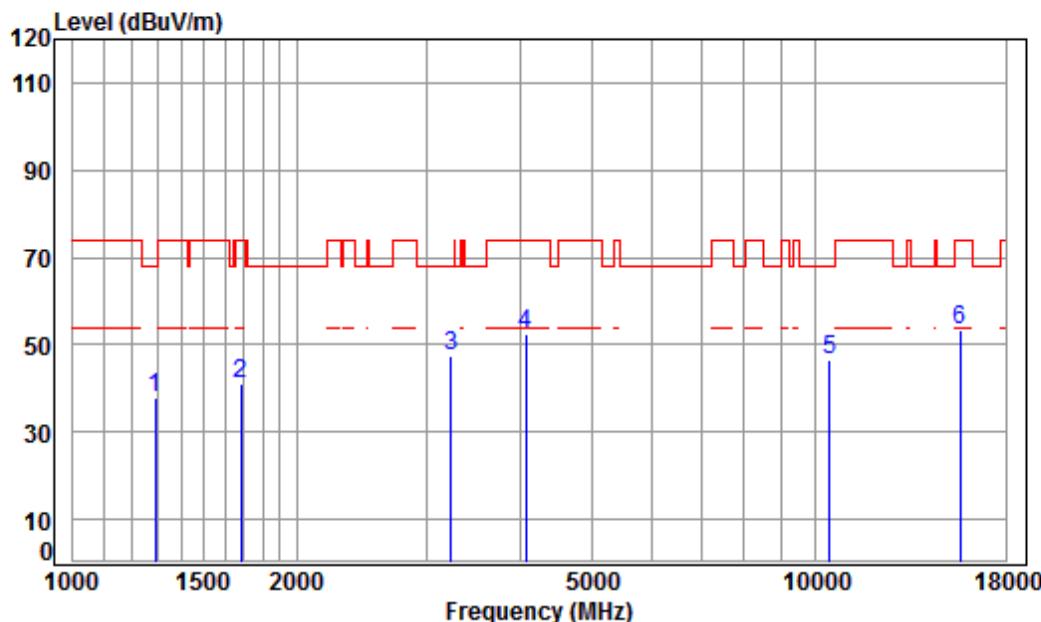
Job No : 03478CR

Mode : 5210 TX RSE

Note : 5G WIFI 11AC80

	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	dB	
1	1260.149	4.65	24.77	38.07	46.28	37.63	68.20	-30.57	peak
2	1615.754	5.33	26.32	38.03	46.10	39.72	74.00	-34.28	peak
3	3455.508	6.42	32.13	37.95	46.34	46.94	68.20	-21.26	peak
4 pp	4482.150	7.54	33.60	38.26	44.74	47.62	68.20	-20.58	peak
5	10420.000	11.24	37.18	35.12	33.61	46.91	68.20	-21.29	peak
6	15630.000	14.44	41.35	38.20	34.72	52.31	74.00	-21.69	peak

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

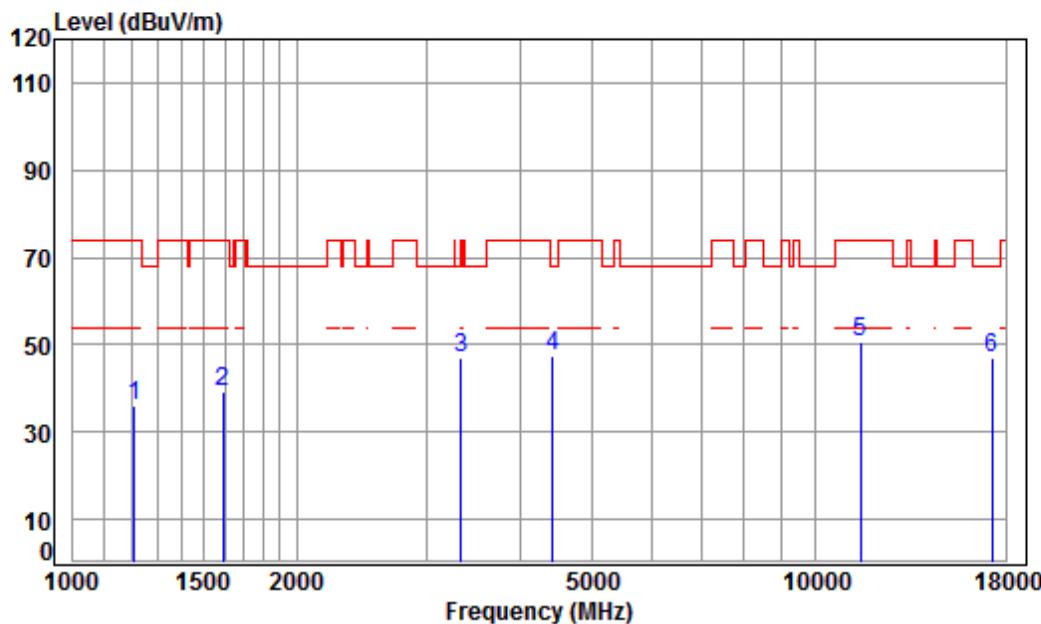
Job No : 03478CR

Mode : 5210 TX RSE

Note : 5G WIFI 11AC80

	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	dB	
1	1289.627	4.76	24.91	38.06	46.33	37.94	68.20	-30.26	peak
2	1682.477	5.25	26.60	38.02	47.25	41.08	74.00	-32.92	peak
3 pp	3233.260	6.21	31.74	37.93	47.50	47.52	68.20	-20.68	peak
4	4074.388	7.07	33.60	38.04	49.98	52.61	74.00	-21.39	peak
5	10420.000	11.24	37.18	35.12	33.39	46.69	68.20	-21.51	peak
6	15630.000	14.44	41.35	38.20	35.59	53.18	74.00	-20.82	peak

Mode:f; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

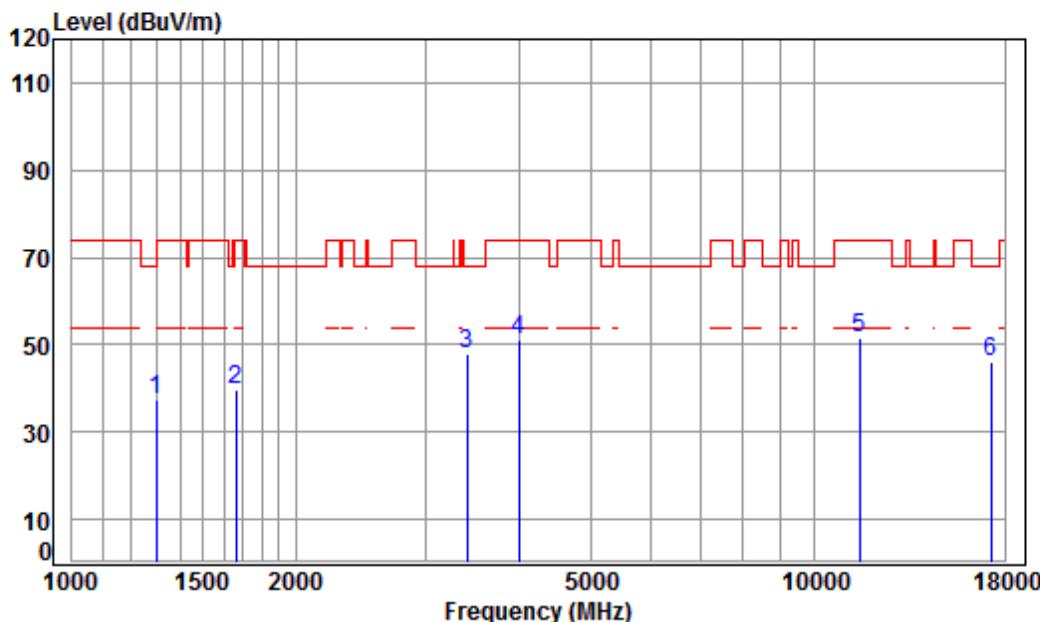
Job No : 03478CR

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	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1210.174	4.46	24.53	38.07	45.26	36.18	74.00	-37.82	peak
2	1592.571	5.36	26.22	38.03	45.86	39.41	74.00	-34.59	peak
3	3328.077	6.30	31.91	37.94	46.61	46.88	68.20	-21.32	peak
4 pp	4417.841	7.47	33.60	38.22	44.64	47.49	68.20	-20.71	peak
5	11490.000	12.13	38.09	36.00	36.40	50.62	74.00	-23.38	peak
6	17235.000	16.18	43.08	36.18	23.81	46.89	68.20	-21.31	peak

Mode:f; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

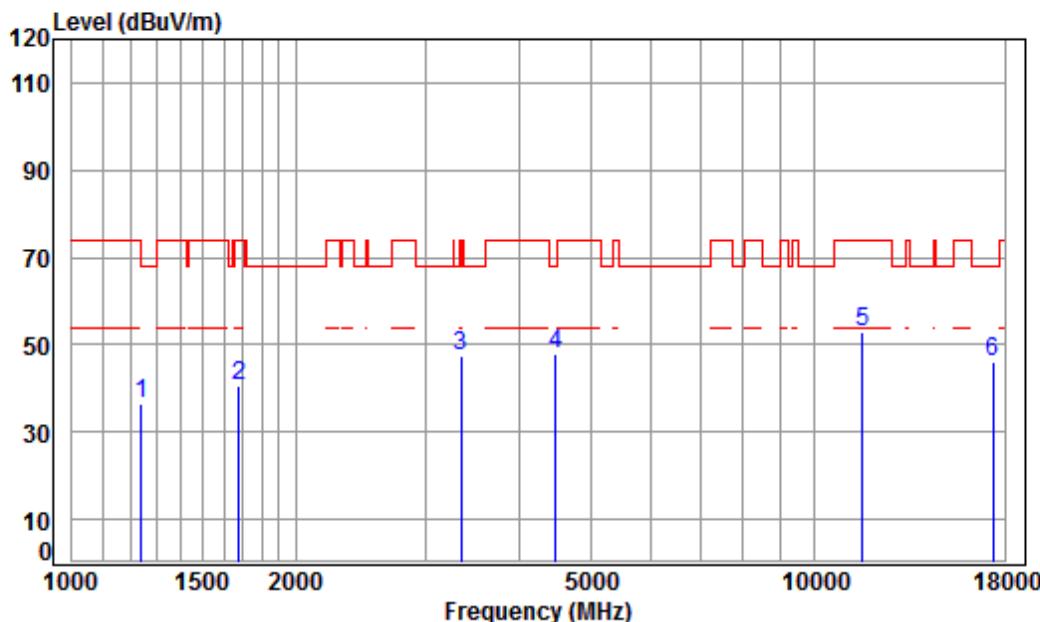
Job No : 03478CR

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	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.80	24.96	38.06	45.72	37.42	74.00	-36.58	peak
2	1663.137	5.27	26.52	38.03	46.16	39.92	74.00	-34.08	peak
3 pp	3405.929	6.38	32.04	37.94	47.21	47.69	68.20	-20.51	peak
4	3992.781	6.97	33.58	38.00	48.44	50.99	74.00	-23.01	peak
5	11490.000	12.13	38.09	36.00	37.28	51.50	74.00	-22.50	peak
6	17235.000	16.18	43.08	36.18	22.98	46.06	68.20	-22.14	peak

Mode:f; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

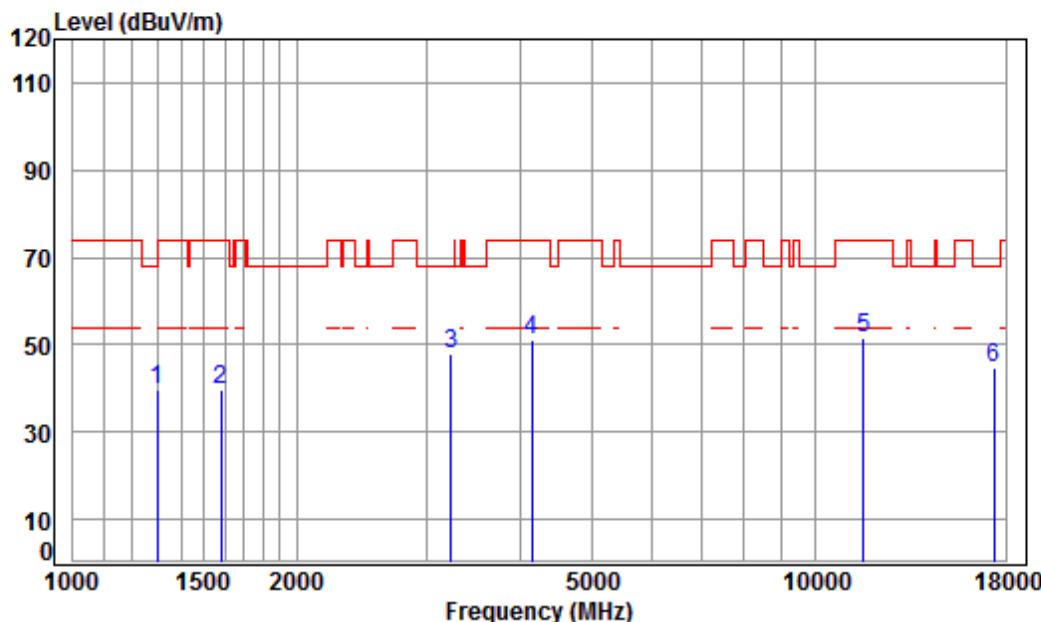
Job No : 03478CR

Mode : 5785 TX RSE

Note : 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line Limit	Remark
					dB	dBuV	dBuV/m	dBuV/m
1 1238.483	4.57	24.67	38.07	45.37	36.54	74.00	-37.46	peak
2 1677.621	5.25	26.58	38.03	46.91	40.71	74.00	-33.29	peak
3 3337.710	6.31	31.92	37.94	47.23	47.52	74.00	-26.48	peak
4 pp 4482.150	7.54	33.60	38.26	44.86	47.74	68.20	-20.46	peak
5 11570.000	12.17	38.17	36.10	38.71	52.95	74.00	-21.05	peak
6 17355.000	15.92	43.23	36.12	23.01	46.04	68.20	-22.16	peak

Mode:f; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

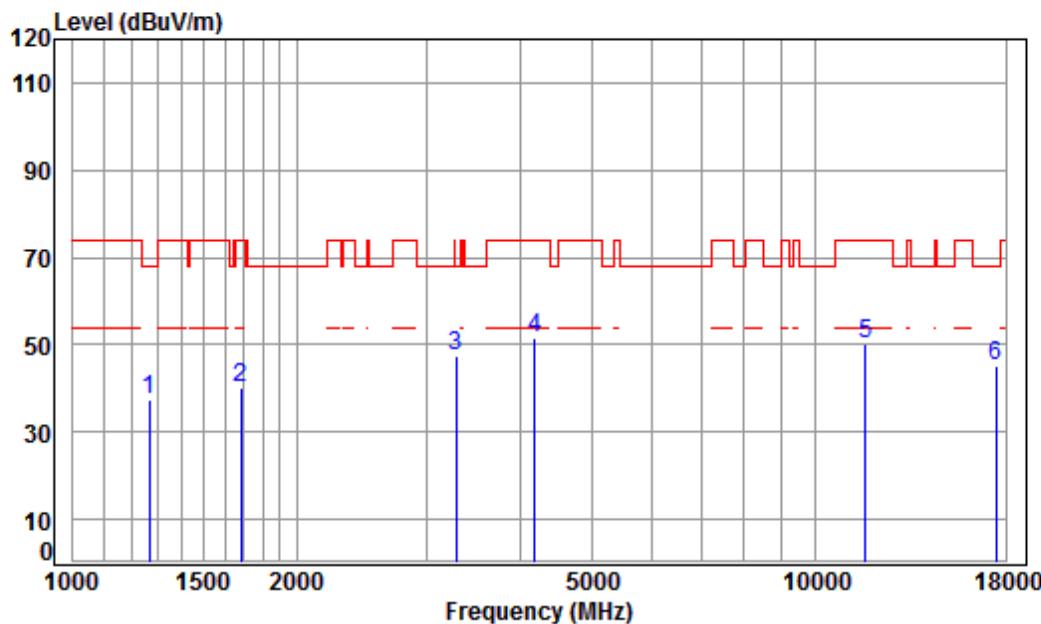
Job No : 03478CR

Mode : 5785 TX RSE

Note : 5G WIFI 11A

	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	dB	
1	1300.858	4.80	24.96	38.06	47.88	39.58	74.00	-34.42	peak
2	1583.392	5.37	26.18	38.03	46.30	39.82	74.00	-34.18	peak
3 pp	3233.260	6.21	31.74	37.93	47.78	47.80	68.20	-20.40	peak
4	4145.664	7.16	33.60	38.08	48.56	51.24	74.00	-22.76	peak
5	11570.000	12.17	38.17	36.10	37.51	51.75	74.00	-22.25	peak
6	17355.000	15.92	43.23	36.12	21.91	44.94	68.20	-23.26	peak

Mode:f; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

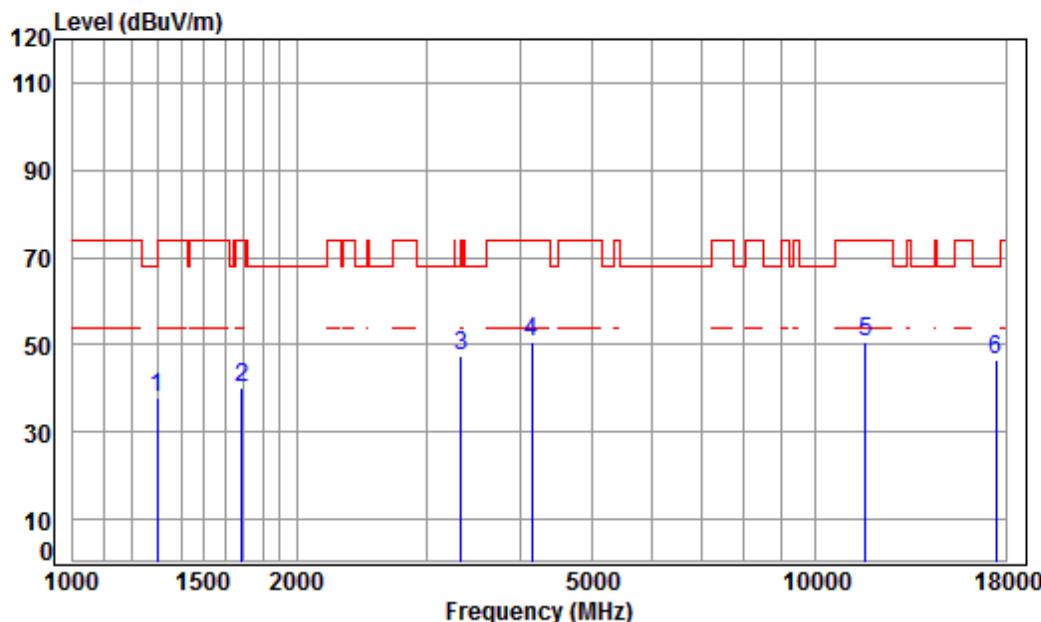
Job No : 03478CR

Mode : 5825 TX RSE

Note : 5G WIFI 11A

	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	dB	
1	1267.454	4.68	24.80	38.07	45.95	37.36	68.20	-30.84	peak
2	1682.477	5.25	26.60	38.02	46.31	40.14	74.00	-33.86	peak
3 pp	3280.326	6.26	31.82	37.93	47.10	47.25	68.20	-20.95	peak
4	4181.768	7.20	33.60	38.10	49.02	51.72	74.00	-22.28	peak
5	11650.000	12.20	38.25	36.19	36.08	50.34	74.00	-23.66	peak
6	17475.000	15.65	43.37	36.06	22.34	45.30	68.20	-22.90	peak

Mode:f; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

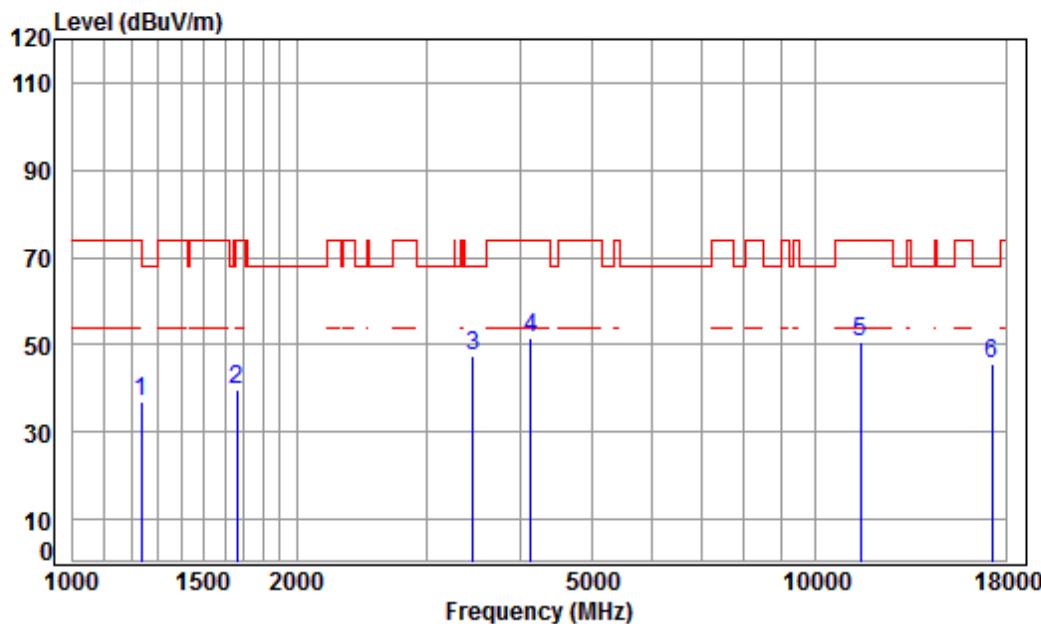
Job No : 03478CR

Mode : 5825 TX RSE

Note : 5G WIFI 11A

	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	dB	
1	1300.858	4.80	24.96	38.06	46.18	37.88	74.00	-36.12	peak
2	1687.347	5.24	26.62	38.02	46.23	40.07	74.00	-33.93	peak
3 pp	3328.077	6.30	31.91	37.94	47.29	47.56	68.20	-20.64	peak
4	4145.664	7.16	33.60	38.08	48.00	50.68	74.00	-23.32	peak
5	11650.000	12.20	38.25	36.19	36.22	50.48	74.00	-23.52	peak
6	17475.000	15.65	43.37	36.06	23.56	46.52	68.20	-21.68	peak

Mode:f; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

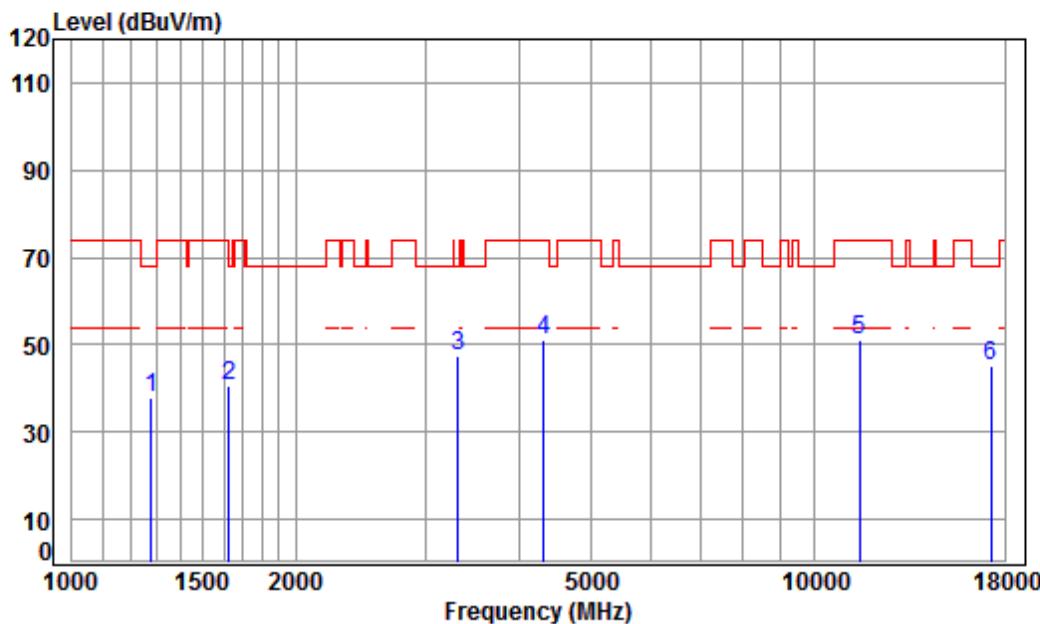
Job No : 03478CR

Mode : 5745 TX RSE

Note : 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Line		Over Limit	Remark
					dB	dB/m	dB	dBuV
1 1234.909	4.55	24.65	38.07	45.96	37.09	74.00	-36.91	peak
2 1663.137	5.27	26.52	38.03	46.09	39.85	74.00	-34.15	peak
3 pp 3455.508	6.42	32.13	37.95	46.89	47.49	68.20	-20.71	peak
4 4133.699	7.14	33.60	38.07	48.74	51.41	74.00	-22.59	peak
5 11490.000	12.13	38.09	36.00	36.60	50.82	74.00	-23.18	peak
6 17235.000	16.18	43.08	36.18	22.37	45.45	68.20	-22.75	peak

Mode:f; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

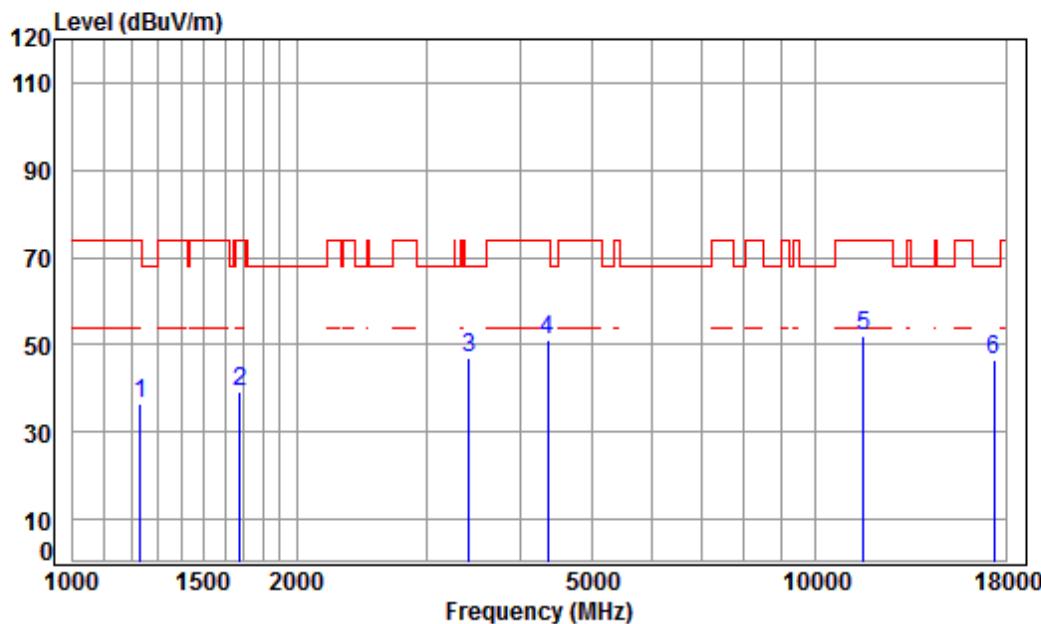
Job No : 03478CR

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	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1278.492	4.72	24.85	38.06	46.31	37.82	68.20	-30.38	peak
2	1625.121	5.32	26.36	38.03	46.83	40.48	74.00	-33.52	peak
3 pp	3308.894	6.29	31.87	37.93	47.41	47.64	68.20	-20.56	peak
4	4316.859	7.36	33.60	38.17	48.24	51.03	74.00	-22.97	peak
5	11490.000	12.13	38.09	36.00	36.83	51.05	74.00	-22.95	peak
6	17235.000	16.18	43.08	36.18	21.92	45.00	68.20	-23.20	peak

Mode:f; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

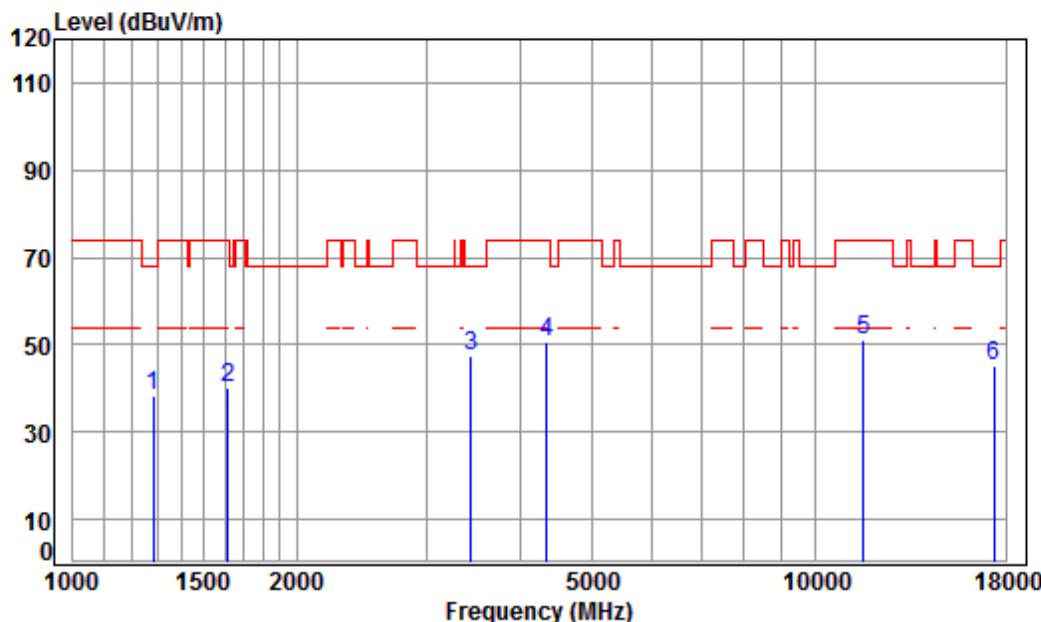
Job No : 03478CR

Mode : 5785 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	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1231.345	4.54	24.63	38.07	45.27	36.37	74.00	-37.63	peak
2	1677.621	5.25	26.58	38.03	45.67	39.47	74.00	-34.53	peak
3 pp	3415.787	6.38	32.06	37.95	46.73	47.22	68.20	-20.98	peak
4	4354.454	7.40	33.60	38.19	48.20	51.01	74.00	-22.99	peak
5	11570.000	12.17	38.17	36.10	37.71	51.95	74.00	-22.05	peak
6	17355.000	15.92	43.23	36.12	23.29	46.32	68.20	-21.88	peak

Mode:f; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

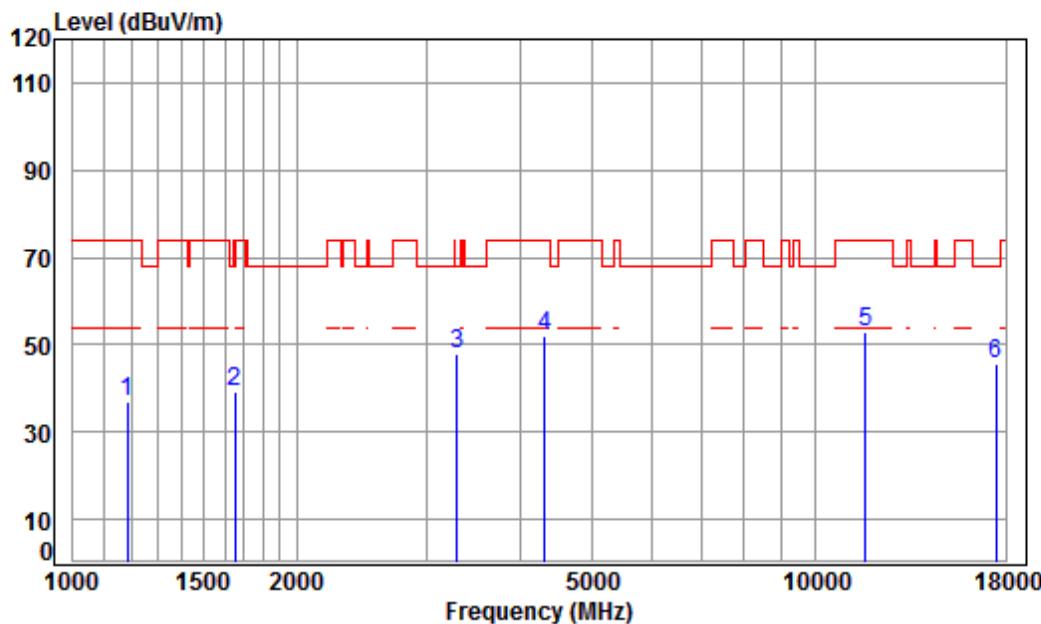
Job No : 03478CR

Mode : 5785 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	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.193	4.73	24.87	38.06	46.60	38.14	68.20	-30.06	peak
2	1615.754	5.33	26.32	38.03	46.65	40.27	74.00	-33.73	peak
3 pp	3435.590	6.40	32.09	37.95	47.06	47.60	68.20	-20.60	peak
4	4341.886	7.38	33.60	38.18	47.76	50.56	74.00	-23.44	peak
5	11570.000	12.17	38.17	36.10	36.79	51.03	74.00	-22.97	peak
6	17355.000	15.92	43.23	36.12	22.04	45.07	68.20	-23.13	peak

Mode:f; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

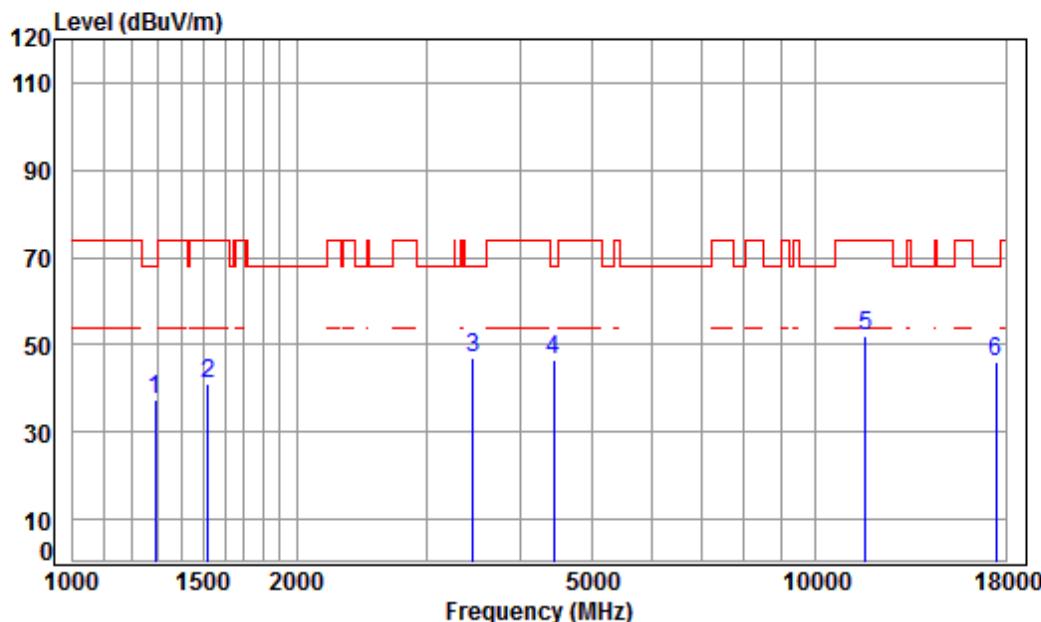
Job No : 03478CR

Mode : 5825 TX RSE

Note : 5G WIFI 11N20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Remark
1	1185.936	4.36	24.41	38.08	46.31	37.00	74.00	-37.00	peak	
2	1653.550	5.28	26.48	38.03	45.66	39.39	68.20	-28.81	peak	
3 pp	3289.821	6.27	31.84	37.93	47.62	47.80	68.20	-20.40	peak	
4	4316.859	7.36	33.60	38.17	49.36	52.15	74.00	-21.85	peak	
5	11650.000	12.20	38.25	36.19	38.45	52.71	74.00	-21.29	peak	
6	17475.000	15.65	43.37	36.06	22.48	45.44	68.20	-22.76	peak	

Mode:f; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

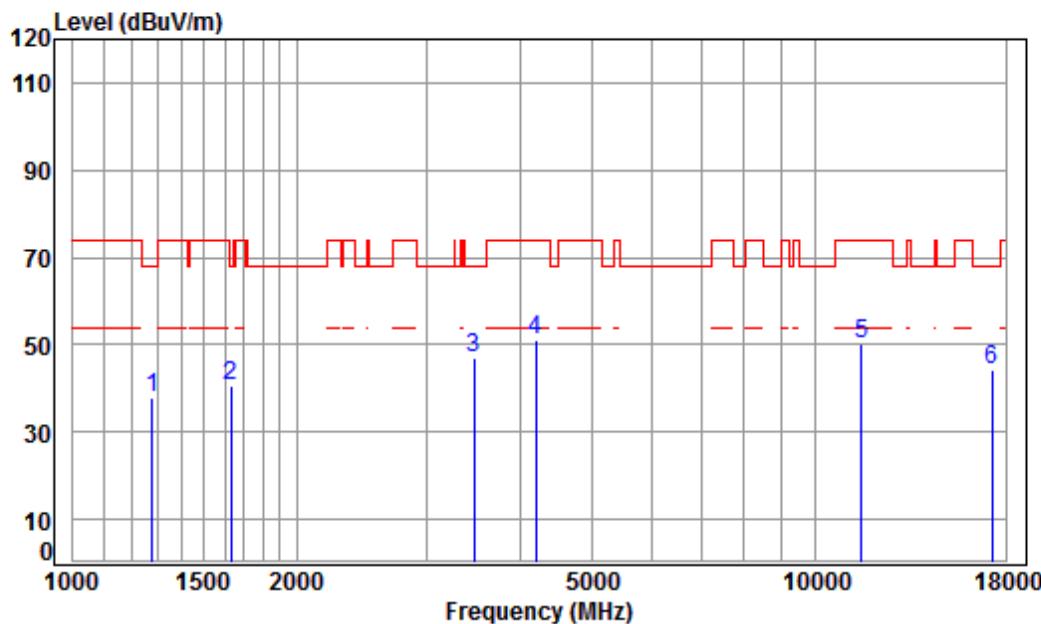
Job No : 03478CR

Mode : 5825 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	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1289.627	4.76	24.91	38.06	45.92	37.53	68.20	-30.67	peak
2	1520.598	5.45	25.89	38.04	47.97	41.27	74.00	-32.73	peak
3 pp	3455.508	6.42	32.13	37.95	46.46	47.06	68.20	-21.14	peak
4	4430.628	7.48	33.60	38.23	43.59	46.44	68.20	-21.76	peak
5	11650.000	12.20	38.25	36.19	37.76	52.02	74.00	-21.98	peak
6	17475.000	15.65	43.37	36.06	23.05	46.01	68.20	-22.19	peak

Mode:f; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

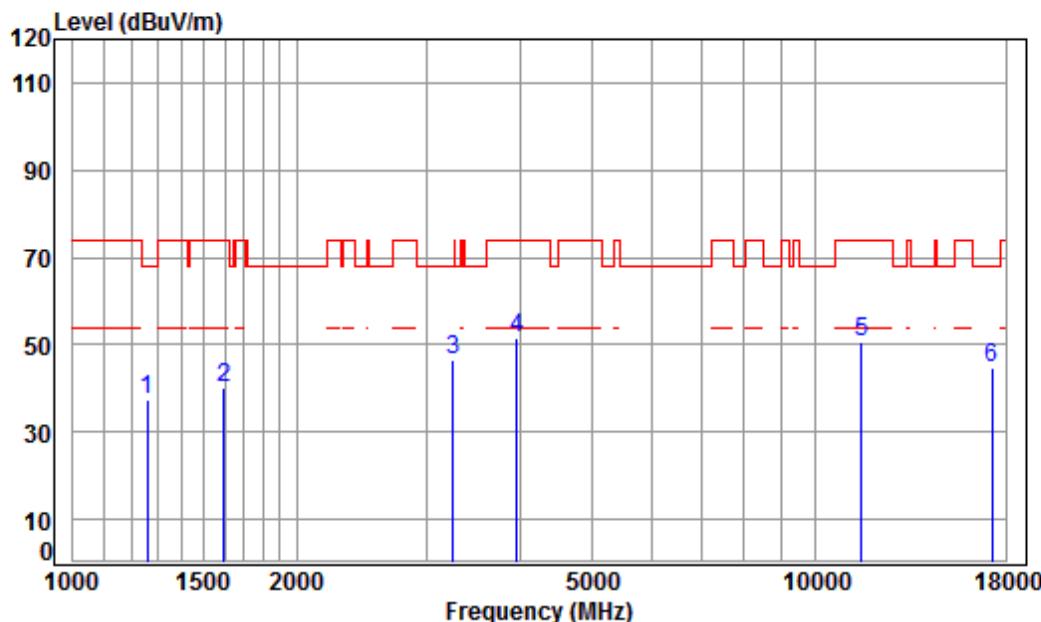
Job No : 03478CR

Mode : 5755 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	dB	
1	1278.492	4.72	24.85	38.06	46.34	37.85	68.20	-30.35	peak
2	1629.825	5.31	26.38	38.03	47.13	40.79	68.20	-27.41	peak
3 pp	3465.510	6.43	32.14	37.95	46.45	47.07	68.20	-21.13	peak
4	4193.872	7.21	33.60	38.11	48.19	50.89	74.00	-23.11	peak
5	11510.000	12.14	38.11	36.03	35.95	50.17	74.00	-23.83	peak
6	17265.000	16.12	43.12	36.16	21.24	44.32	68.20	-23.88	peak

Mode:f; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

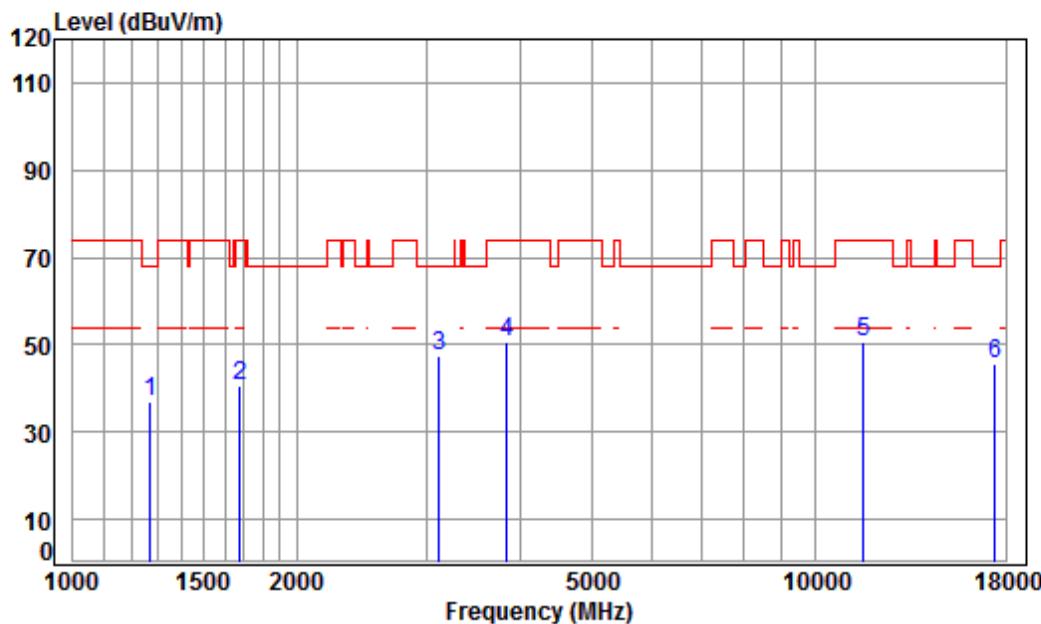
Job No : 03478CR

Mode : 5755 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	dB	
1	1260.149	4.65	24.77	38.07	46.22	37.57	68.20	-30.63	peak
2	1597.181	5.35	26.24	38.03	46.66	40.22	74.00	-33.78	peak
3 pp	3252.005	6.23	31.77	37.93	46.70	46.77	68.20	-21.43	peak
4	3958.309	6.94	33.49	38.00	49.26	51.69	74.00	-22.31	peak
5	11510.000	12.14	38.11	36.03	36.24	50.46	74.00	-23.54	peak
6	17265.000	16.12	43.12	36.16	21.83	44.91	68.20	-23.29	peak

Mode:f; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

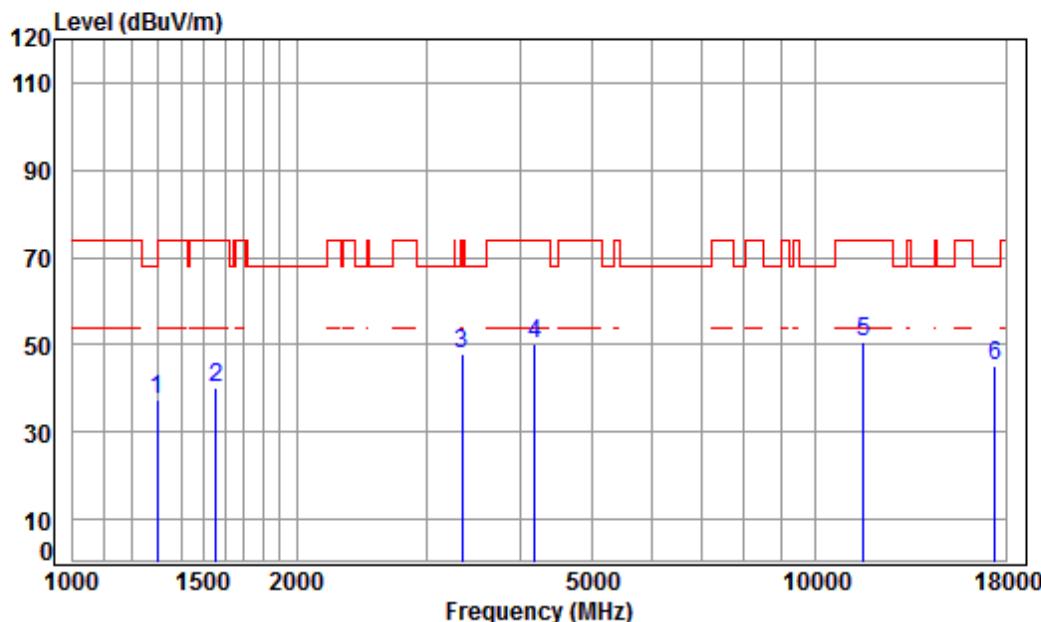
Job No : 03478CR

Mode : 5795 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	dB	
1	1271.123	4.69	24.82	38.07	45.74	37.18	68.20	-31.02	peak
2	1677.621	5.25	26.58	38.03	46.89	40.69	74.00	-33.31	peak
3 pp	3114.025	6.10	31.52	37.91	47.54	47.25	68.20	-20.95	peak
4	3834.438	6.82	33.16	37.99	48.61	50.60	74.00	-23.40	peak
5	11590.000	12.17	38.19	36.12	36.48	50.72	74.00	-23.28	peak
6	17385.000	15.85	43.26	36.10	22.68	45.69	68.20	-22.51	peak

Mode:f; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

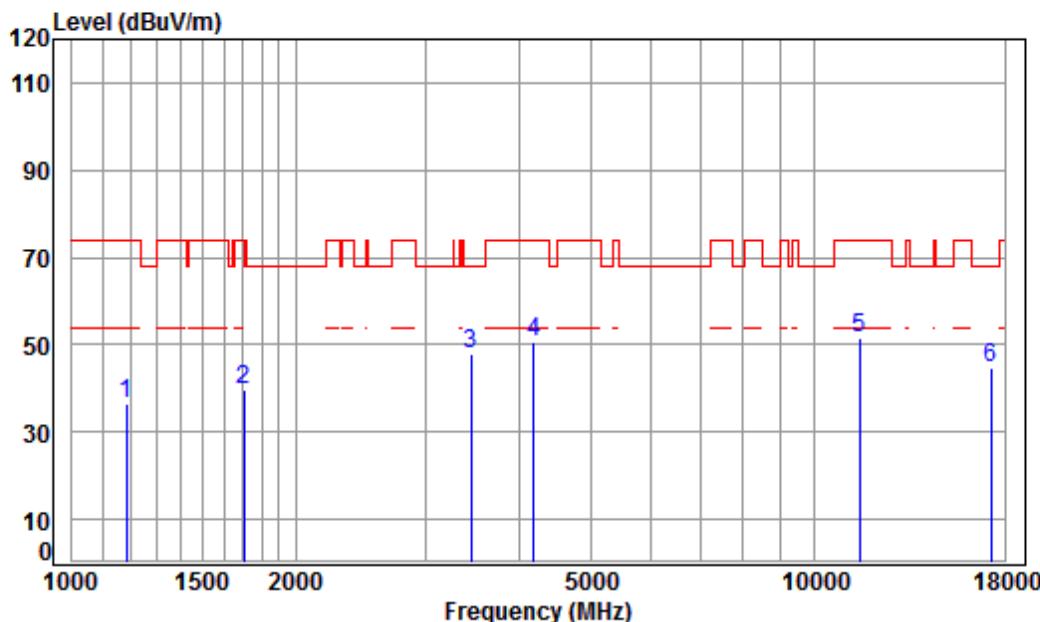
Job No : 03478CR

Mode : 5795 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	dB	
1	1300.858	4.80	24.96	38.06	45.69	37.39	74.00	-36.61	peak
2	1556.169	5.41	26.06	38.04	46.51	39.94	74.00	-34.06	peak
3	3337.710	6.31	31.92	37.94	47.54	47.83	74.00	-26.17	peak
4	4181.768	7.20	33.60	38.10	47.52	50.22	74.00	-23.78	peak
5	11590.000	12.17	38.19	36.12	36.57	50.81	74.00	-23.19	peak
6	pp17385.000	15.85	43.26	36.10	22.38	45.39	68.20	-22.81	peak

Mode:f; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

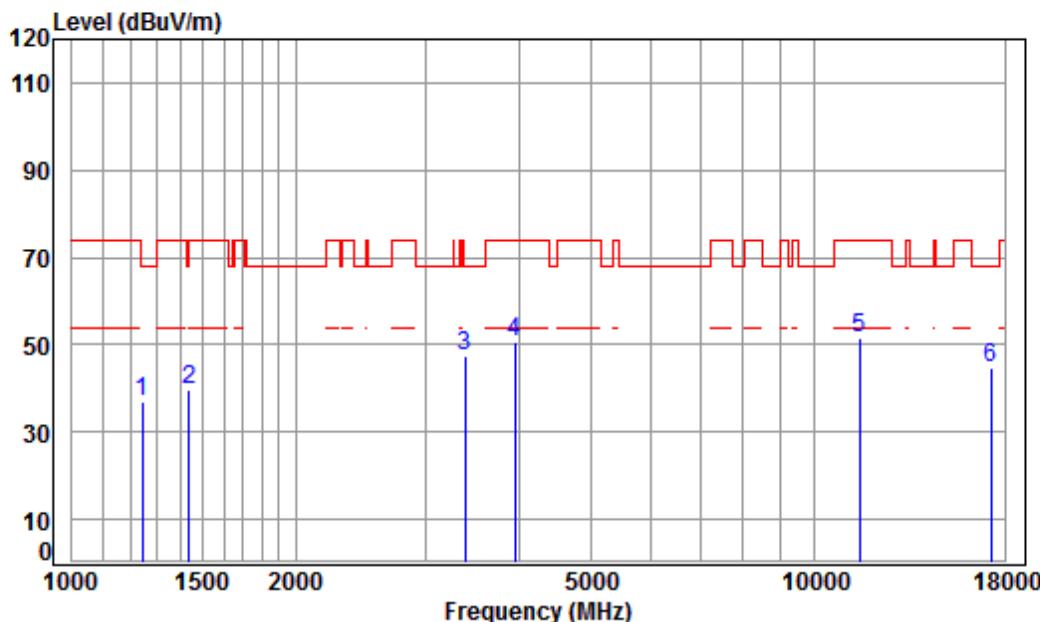
Job No : 03478CR

Mode : 5745 TX RSE

Note : 5G WIFI 11AC20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1182.513	4.35	24.39	38.08	45.82	36.48	74.00	-37.52	peak
2	1702.042	5.23	26.68	38.02	45.92	39.81	74.00	-34.19	peak
3 pp	3445.535	6.41	32.11	37.95	47.21	47.78	68.20	-20.42	peak
4	4181.768	7.20	33.60	38.10	48.02	50.72	74.00	-23.28	peak
5	11490.000	12.13	38.09	36.00	37.31	51.53	74.00	-22.47	peak
6	17235.000	16.18	43.08	36.18	21.60	44.68	68.20	-23.52	peak

Mode:f; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

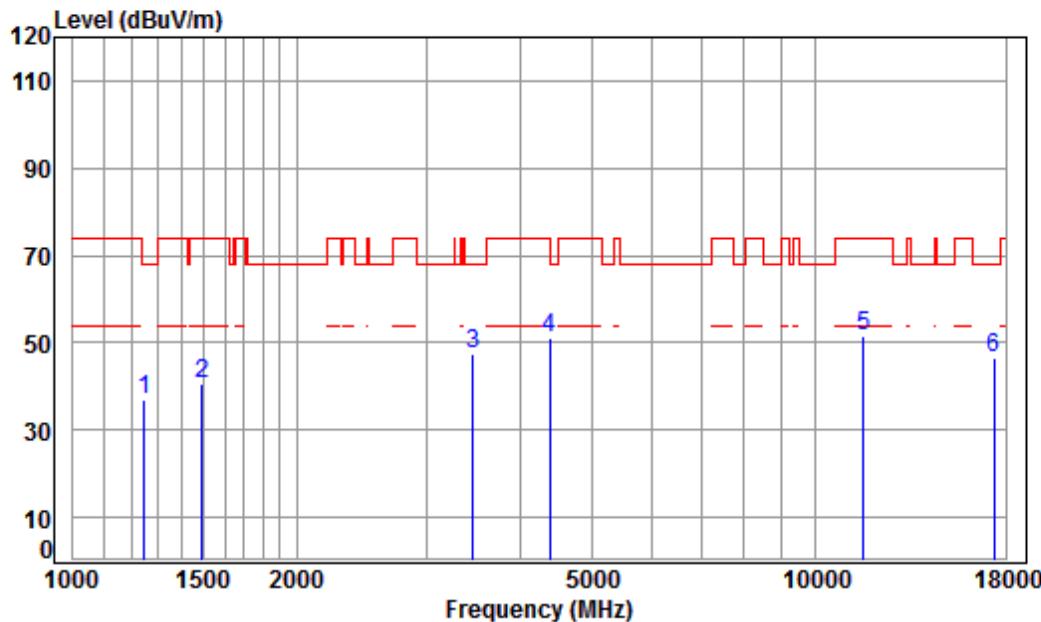
Job No : 03478CR

Mode : 5745 TX RSE

Note : 5G WIFI 11AC20

	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	dB	
1	1245.663	4.60	24.70	38.07	45.85	37.08	68.20	-31.12	peak
2	1439.343	5.28	25.56	38.05	46.90	39.69	74.00	-34.31	peak
3 pp	3376.523	6.35	31.99	37.94	47.27	47.67	68.20	-20.53	peak
4	3946.885	6.93	33.46	38.00	48.04	50.43	74.00	-23.57	peak
5	11490.000	12.13	38.09	36.00	37.18	51.40	74.00	-22.60	peak
6	17235.000	16.18	43.08	36.18	21.53	44.61	68.20	-23.59	peak

Mode:f; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

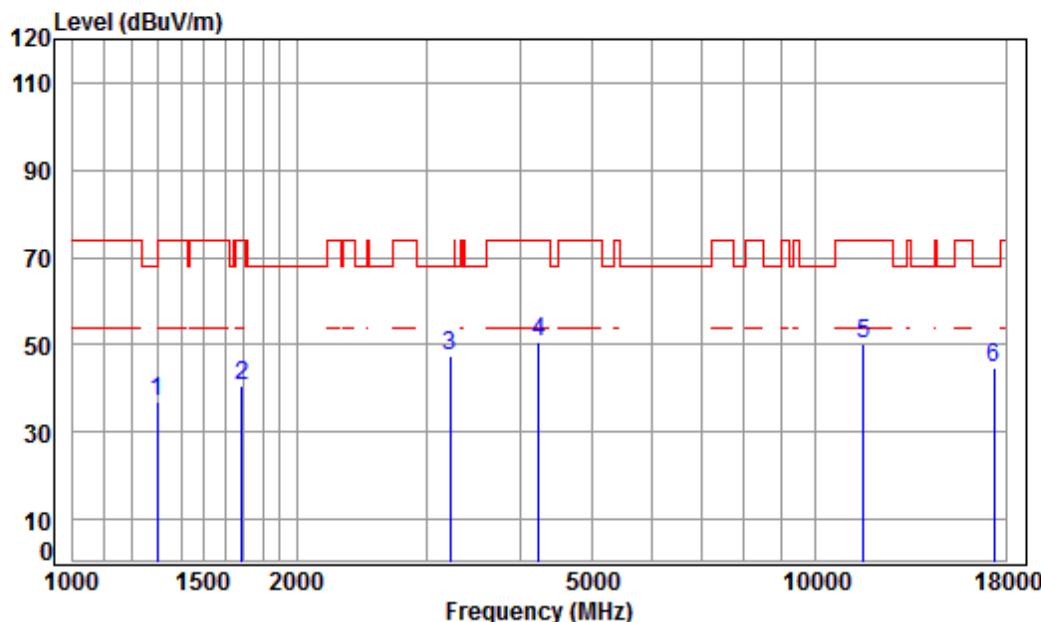
Job No : 03478CR

Mode : 5785 TX RSE

Note : 5G WIFI 11AC20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1249.269	4.61	24.72	38.07	45.67	36.93	68.20	-31.27	peak
2	1494.455	5.46	25.78	38.04	47.20	40.40	74.00	-33.60	peak
3 pp	3455.508	6.42	32.13	37.95	46.98	47.58	68.20	-20.62	peak
4	4379.699	7.43	33.60	38.20	48.17	51.00	74.00	-23.00	peak
5	11570.000	12.17	38.17	36.10	37.34	51.58	74.00	-22.42	peak
6	17355.000	15.92	43.23	36.12	23.46	46.49	68.20	-21.71	peak

Mode:f; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

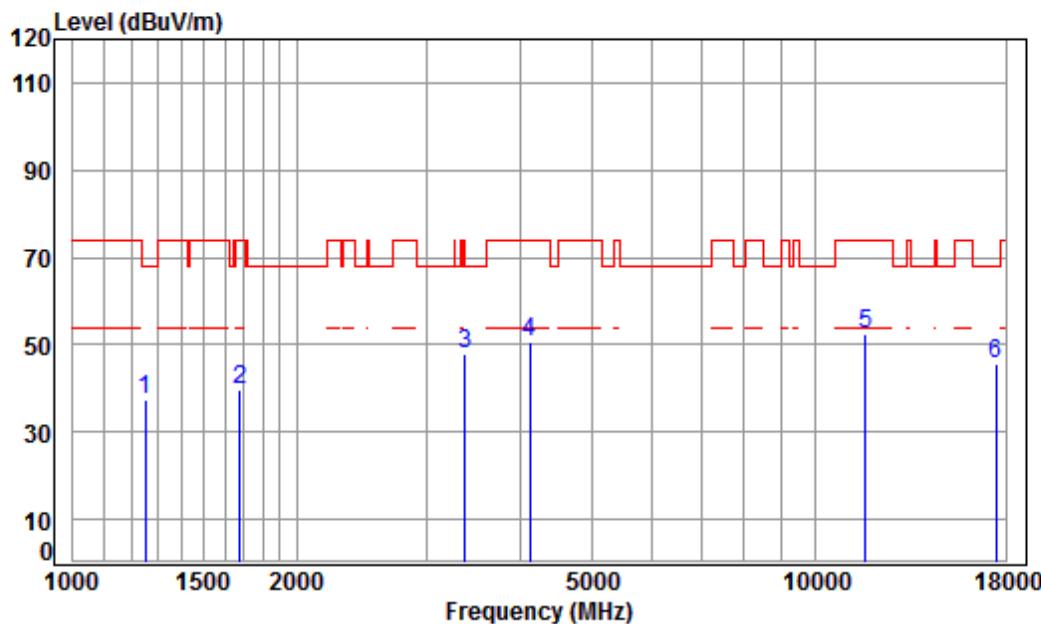
Job No : 03478CR

Mode : 5785 TX RSE

Note : 5G WIFI 11AC20

	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	dB	
1	1300.858	4.80	24.96	38.06	45.42	37.12	74.00	-36.88	peak
2	1687.347	5.24	26.62	38.02	46.74	40.58	74.00	-33.42	peak
3 pp	3214.623	6.20	31.70	37.92	47.55	47.53	68.20	-20.67	peak
4	4230.396	7.26	33.60	38.13	48.02	50.75	74.00	-23.25	peak
5	11570.000	12.17	38.17	36.10	36.14	50.38	74.00	-23.62	peak
6	17355.000	15.92	43.23	36.12	21.90	44.93	68.20	-23.27	peak

Mode:f; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

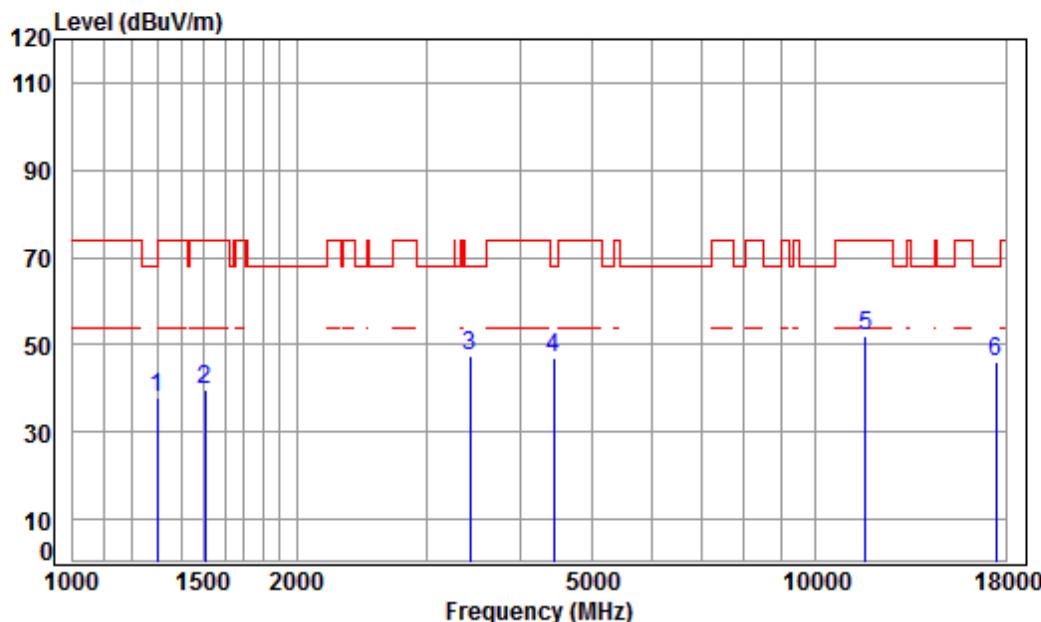
Job No : 03478CR

Mode : 5825 TX RSE

Note : 5G WIFI 11AC20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1252.885	4.62	24.73	38.07	45.96	37.24	68.20	-30.96	peak
2	1677.621	5.25	26.58	38.03	45.71	39.51	74.00	-34.49	peak
3 pp	3366.778	6.34	31.97	37.94	47.51	47.88	68.20	-20.32	peak
4	4121.768	7.13	33.60	38.07	47.78	50.44	74.00	-23.56	peak
5	11650.000	12.20	38.25	36.19	38.24	52.50	74.00	-21.50	peak
6	17475.000	15.65	43.37	36.06	22.77	45.73	68.20	-22.47	peak

Mode:f; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

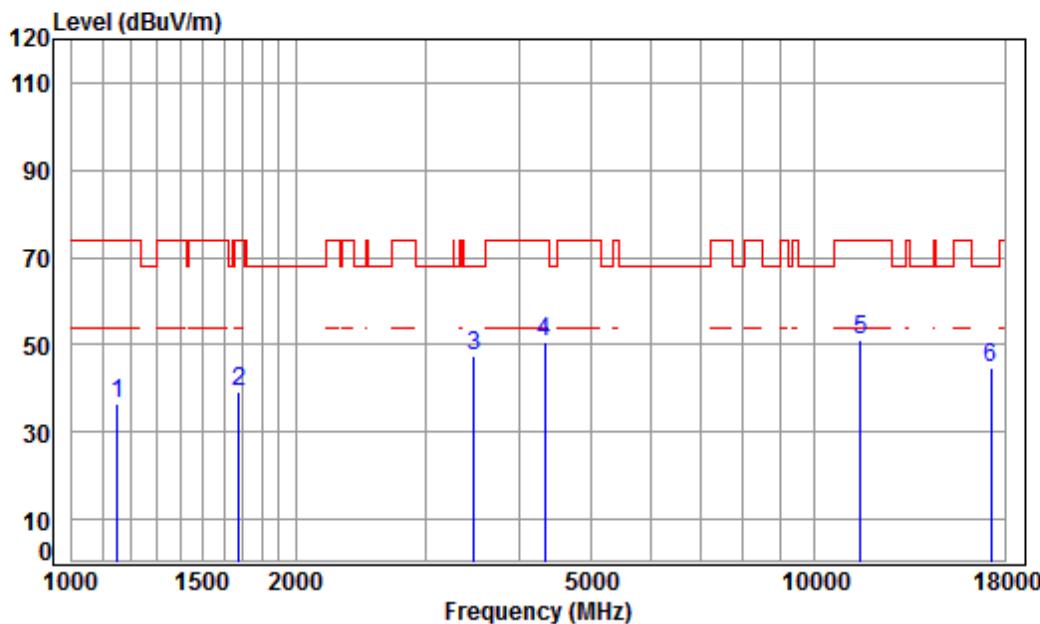
Job No : 03478CR

Mode : 5825 TX RSE

Note : 5G WIFI 11AC20

	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	dB	
1	1300.858	4.80	24.96	38.06	46.10	37.80	74.00	-36.20	peak
2	1507.470	5.47	25.83	38.04	46.49	39.75	74.00	-34.25	peak
3 pp	3425.675	6.39	32.07	37.95	47.13	47.64	68.20	-20.56	peak
4	4430.628	7.48	33.60	38.23	44.18	47.03	68.20	-21.17	peak
5	11650.000	12.20	38.25	36.19	37.88	52.14	74.00	-21.86	peak
6	17475.000	15.65	43.37	36.06	23.21	46.17	68.20	-22.03	peak

Mode:f; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

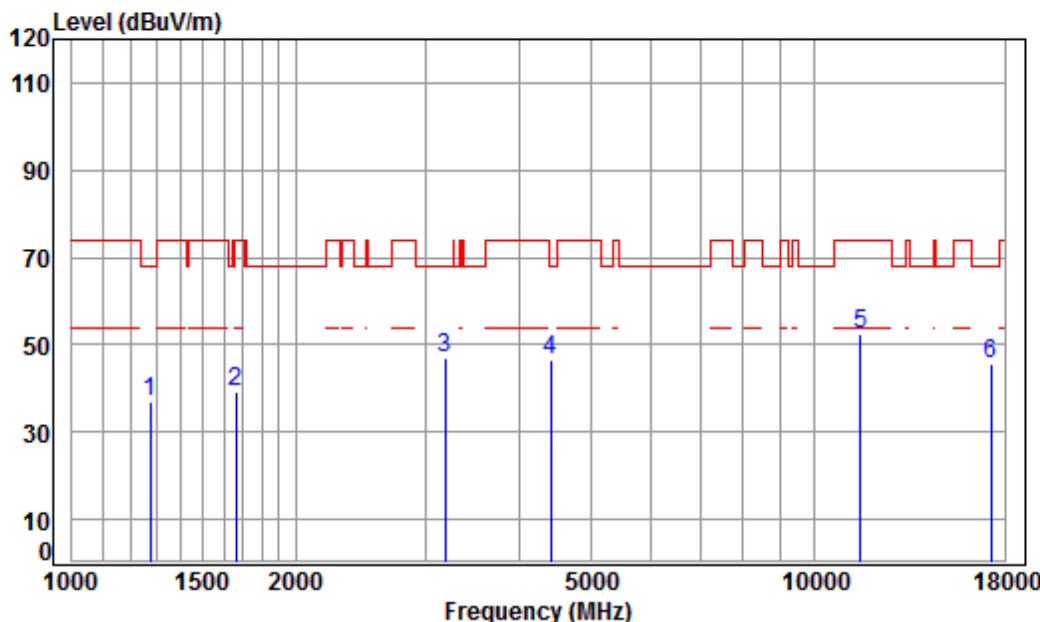
Job No : 03478CR

Mode : 5755 TX RSE

Note : 5G WIFI 11AC40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Remark
1	1152.148	4.22	24.24	38.08	46.34	36.72	74.00	-37.28	peak
2	1677.621	5.25	26.58	38.03	45.29	39.09	74.00	-34.91	peak
3 pp	3475.541	6.44	32.16	37.95	47.01	47.66	68.20	-20.54	peak
4	4329.354	7.37	33.60	38.18	47.74	50.53	74.00	-23.47	peak
5	11510.000	12.14	38.11	36.03	37.00	51.22	74.00	-22.78	peak
6	17265.000	16.12	43.12	36.16	21.58	44.66	68.20	-23.54	peak

Mode:f; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

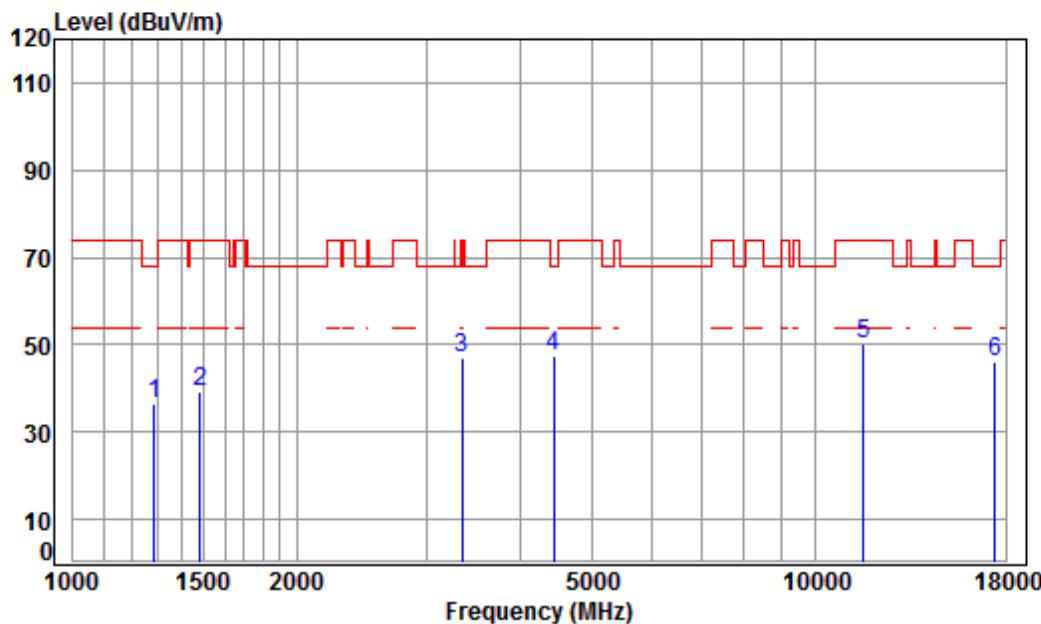
Job No : 03478CR

Mode : 5755 TX RSE

Note : 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	dB	
1	1274.802	4.71	24.84	38.06	45.29	36.78	68.20	-31.42	peak
2	1663.137	5.27	26.52	38.03	45.67	39.43	74.00	-34.57	peak
3 pp	3177.672	6.16	31.64	37.92	47.01	46.89	68.20	-21.31	peak
4	4405.090	7.46	33.60	38.22	43.83	46.67	68.20	-21.53	peak
5	11510.000	12.14	38.11	36.03	38.39	52.61	74.00	-21.39	peak
6	17265.000	16.12	43.12	36.16	22.48	45.56	68.20	-22.64	peak

Mode:f; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

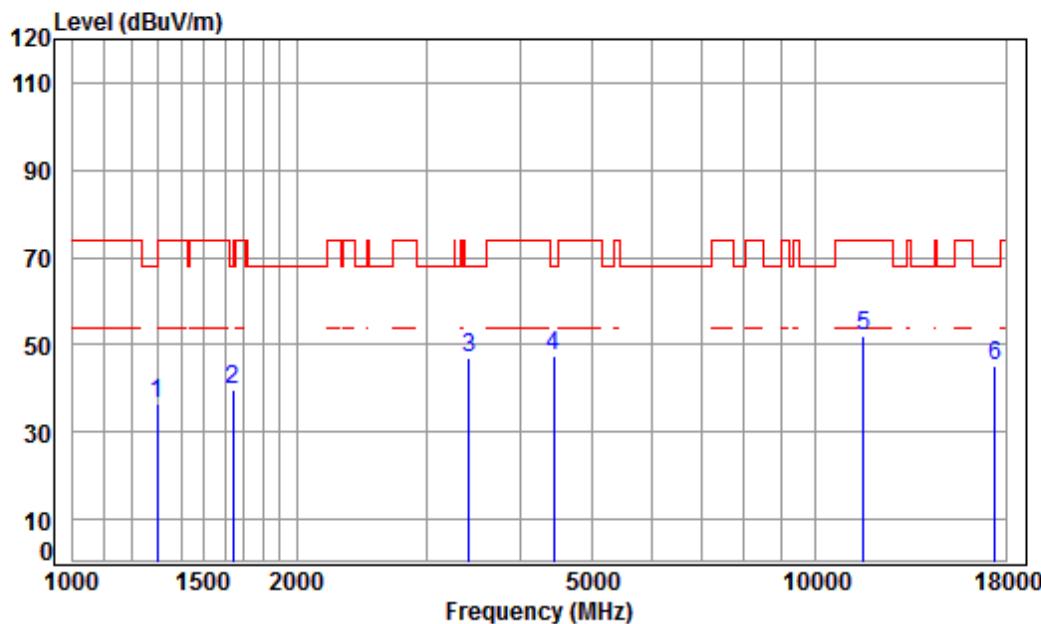
Job No : 03478CR

Mode : 5795 TX RSE

Note : 5G WIFI 11AC40

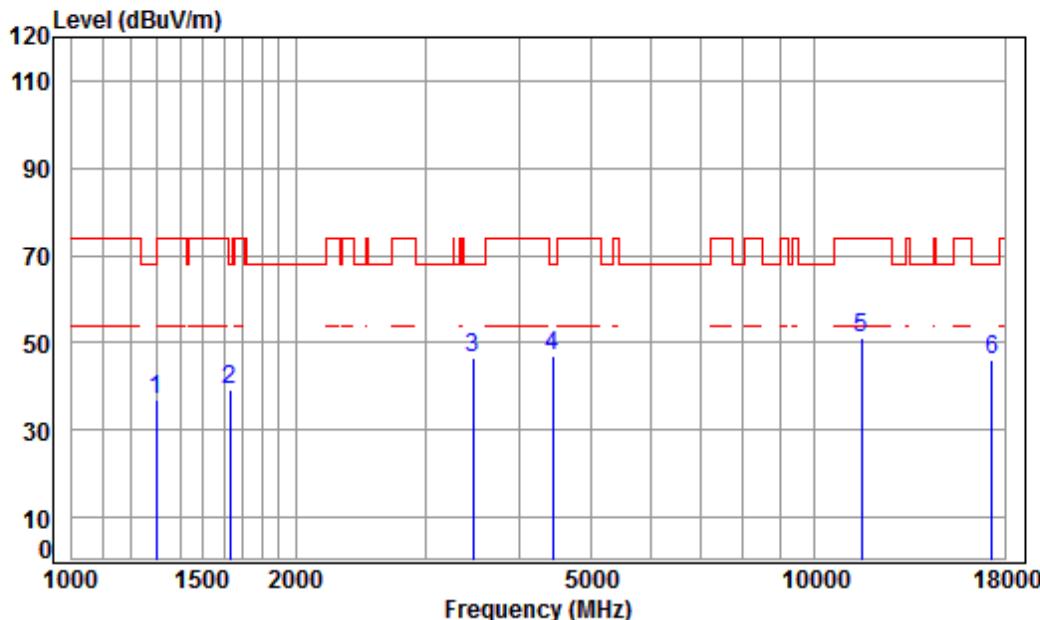
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1285.904	4.75	24.89	38.06	44.90	36.48	68.20	-31.72	peak
2	1481.553	5.42	25.73	38.04	46.13	39.24	74.00	-34.76	peak
3	3337.710	6.31	31.92	37.94	46.52	46.81	74.00	-27.19	peak
4 pp	4443.453	7.50	33.60	38.24	44.56	47.42	68.20	-20.78	peak
5	11590.000	12.17	38.19	36.12	35.82	50.06	74.00	-23.94	peak
6	17385.000	15.85	43.26	36.10	23.12	46.13	68.20	-22.07	peak

Mode:f; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:High



Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Line		Over Limit	Remark
					dB	dB/m	dB	dBuV
1 1300.858	4.80	24.96	38.06	44.89	36.59	74.00	-37.41	peak
2 1644.019	5.30	26.44	38.03	46.07	39.78	68.20	-28.42	peak
3 3415.787	6.38	32.06	37.95	46.62	47.11	68.20	-21.09	peak
4 pp 4430.628	7.48	33.60	38.23	44.39	47.24	68.20	-20.96	peak
5 11590.000	12.17	38.19	36.12	37.93	52.17	74.00	-21.83	peak
6 17385.000	15.85	43.26	36.10	22.37	45.38	68.20	-22.82	peak

Mode:f; Polarization:Horizontal; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

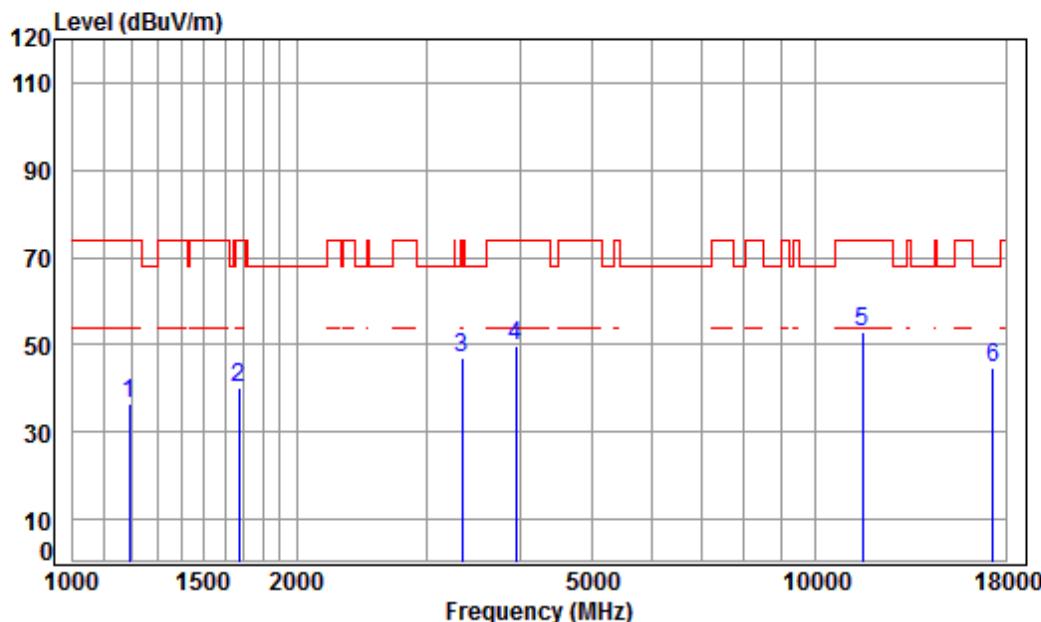
Job No : 03478CR

Mode : 5775 TX RSE

Note : 5G WIFI 11AC80

	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	dB	
1	1300.858	4.80	24.96	38.06	45.31	37.01	74.00	-36.99	peak
2	1634.543	5.31	26.40	38.03	45.54	39.22	68.20	-28.98	peak
3	3465.510	6.43	32.14	37.95	45.78	46.40	68.20	-21.80	peak
4 pp	4430.628	7.48	33.60	38.23	44.15	47.00	68.20	-21.20	peak
5	11550.000	12.16	38.15	36.07	36.87	51.11	74.00	-22.89	peak
6	17325.000	15.98	43.19	36.13	23.14	46.18	68.20	-22.02	peak

Mode:f; Polarization:Vertical; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 03478CR

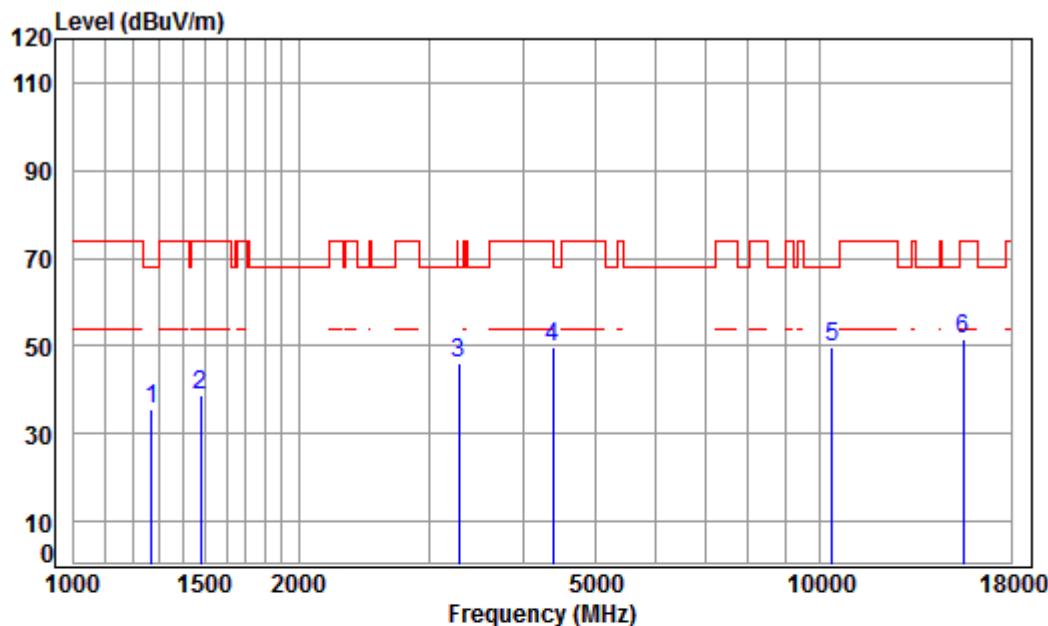
Mode : 5775 TX RSE

Note : 5G WIFI 11AC80

	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	dB	
1	1192.811	4.39	24.44	38.07	45.56	36.32	74.00	-37.68	peak
2	1672.779	5.26	26.56	38.03	46.51	40.30	74.00	-33.70	peak
3	3337.710	6.31	31.92	37.94	46.55	46.84	74.00	-27.16	peak
4	3946.885	6.93	33.46	38.00	47.48	49.87	74.00	-24.13	peak
5	pp11550.000	12.16	38.15	36.07	38.66	52.90	74.00	-21.10	peak
6	17325.000	15.98	43.19	36.13	21.78	44.82	68.20	-23.38	peak

Antenna2:

Mode:c; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

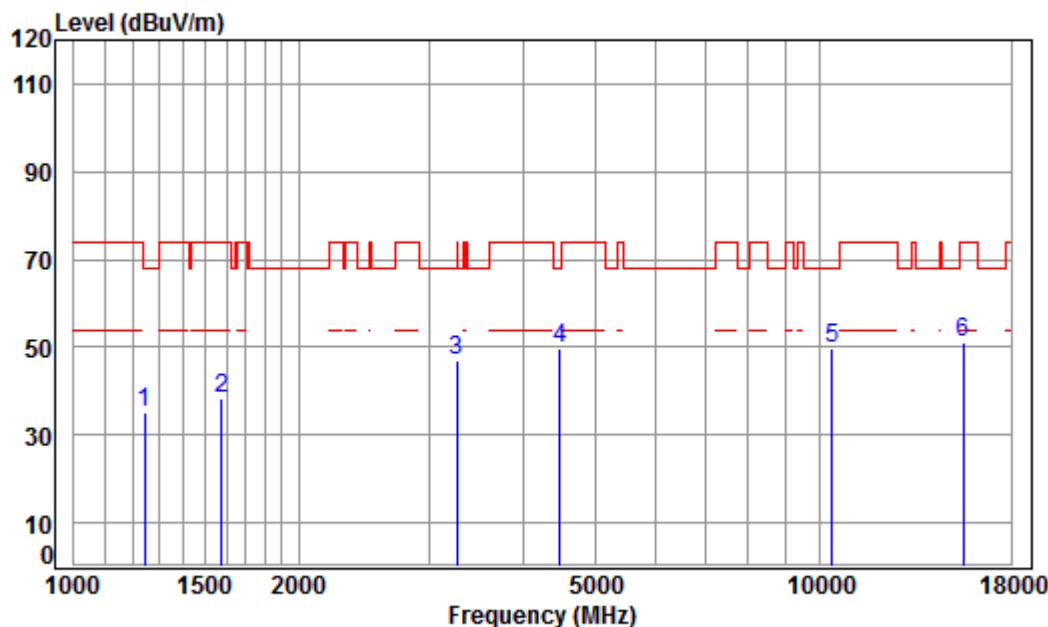
Job No : 03478CR

Mode : 5180 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Line	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1271.123	4.69	24.90	38.70	44.90	35.79	68.20	-32.41	peak
2	1477.276	5.41	25.72	38.70	46.44	38.87	74.00	-35.13	peak
3	3280.326	6.26	31.36	37.89	46.33	46.06	68.20	-22.14	peak
4	4379.699	7.43	33.39	38.14	47.24	49.92	74.00	-24.08	peak
5	pp10360.000	11.19	37.76	36.34	37.03	49.64	68.20	-18.56	peak
6	15540.000	14.30	40.72	38.12	34.68	51.58	74.00	-22.42	peak

Mode:c; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

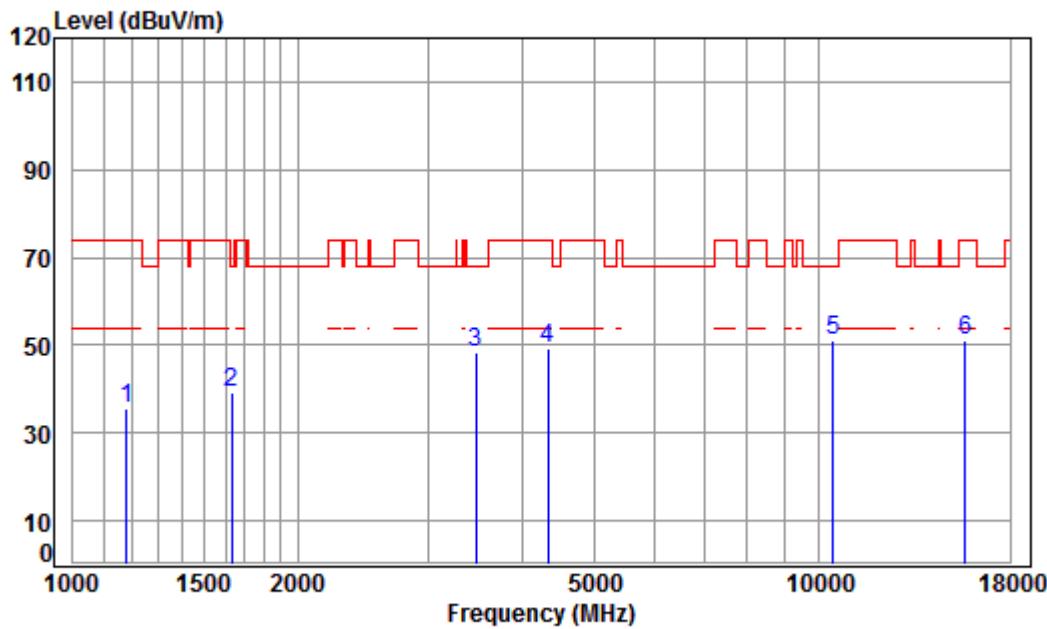
Job No : 03478CR

Mode : 5180 TX RSE

Note : 5G WIFI 11A

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1245.663	4.60	24.79	38.70	44.65	35.34	68.20	-32.86 peak
2	1578.822	5.38	26.16	38.70	45.27	38.11	74.00	-35.89 peak
3	3261.418	6.24	31.33	37.89	47.40	47.08	74.00	-26.92 peak
4	4482.150	7.54	33.57	38.15	46.57	49.53	68.20	-18.67 peak
5	pp10360.000	11.19	37.76	36.34	37.05	49.66	68.20	-18.54 peak
6	15540.000	14.30	40.72	38.12	34.40	51.30	74.00	-22.70 peak

Mode:c; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

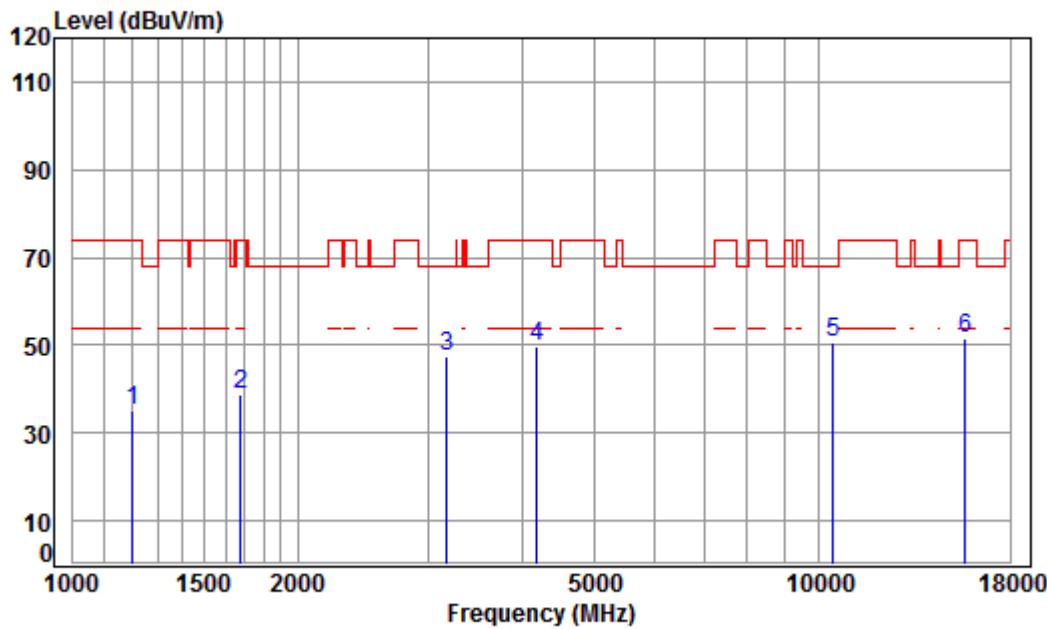
Job No : 03478CR

Mode : 5220 TX RSE

Note : 5G WIFI 11A

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1179.100	4.33	24.49	38.70	45.61	35.73	74.00	-38.27 peak
2	1629.825	5.31	26.38	38.70	46.31	39.30	68.20	-28.90 peak
3	3465.510	6.43	31.65	37.95	48.24	48.37	68.20	-19.83 peak
4	4329.354	7.37	33.30	38.14	46.89	49.42	74.00	-24.58 peak
5	pp10440.000	11.25	37.72	36.35	38.37	50.99	68.20	-17.21 peak
6	15660.000	14.48	40.80	38.03	34.03	51.28	74.00	-22.72 peak

Mode:c; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

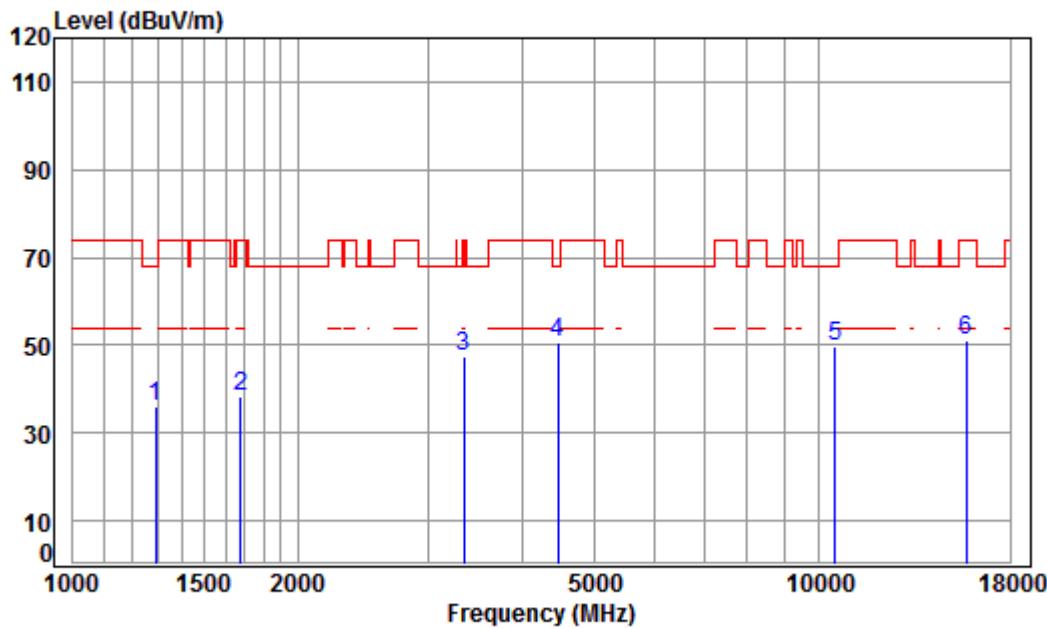
Job No : 03478CR

Mode : 5220 TX RSE

Note : 5G WIFI 11A

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1203.199	4.43	24.60	38.70	44.95	35.28	74.00	-38.72 peak
2	1677.621	5.25	26.58	38.70	45.69	38.82	74.00	-35.18 peak
3	3168.500	6.15	31.18	37.86	48.03	47.50	68.20	-20.70 peak
4	4181.768	7.20	33.04	38.12	47.78	49.90	74.00	-24.10 peak
5 pp	10440.000	11.25	37.72	36.35	37.87	50.49	68.20	-17.71 peak
6	15660.000	14.48	40.80	38.03	34.14	51.39	74.00	-22.61 peak

Mode:c; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

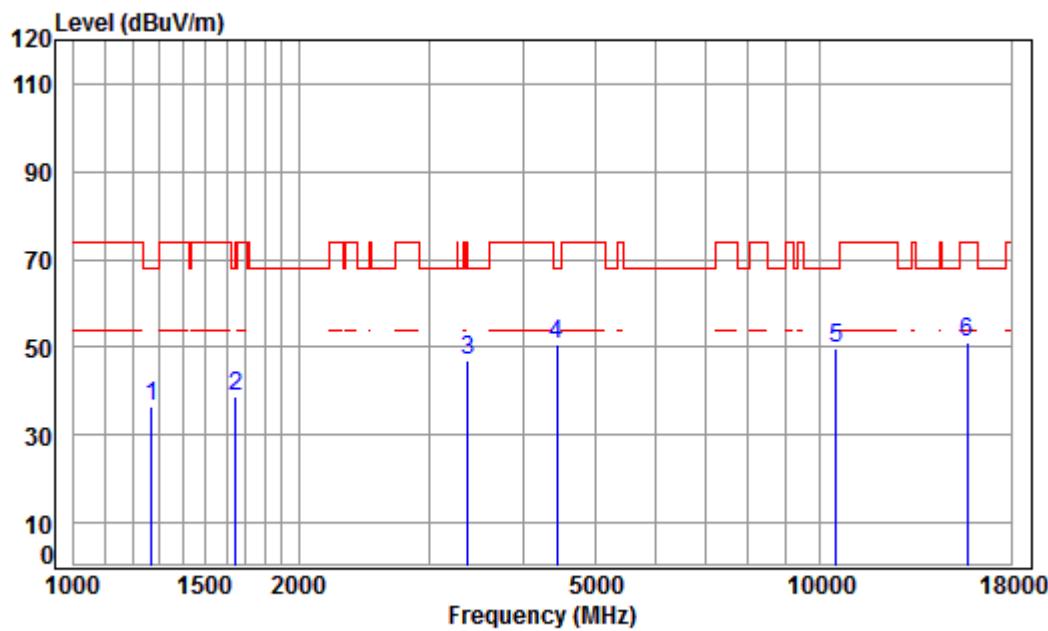
Job No : 03478CR

Mode : 5240 TX RSE

Note : 5G WIFI 11A

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1289.627	4.76	24.98	38.70	45.05	36.09	68.20	-32.11 peak
2	1677.621	5.25	26.58	38.70	45.37	38.50	74.00	-35.50 peak
3	3337.710	6.31	31.45	37.91	47.45	47.30	74.00	-26.70 peak
4 pp	4469.214	7.53	33.55	38.15	47.93	50.86	68.20	-17.34 peak
5	10480.000	11.28	37.71	36.35	36.94	49.58	68.20	-18.62 peak
6	15720.000	14.57	40.83	37.99	33.89	51.30	74.00	-22.70 peak

Mode:c; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

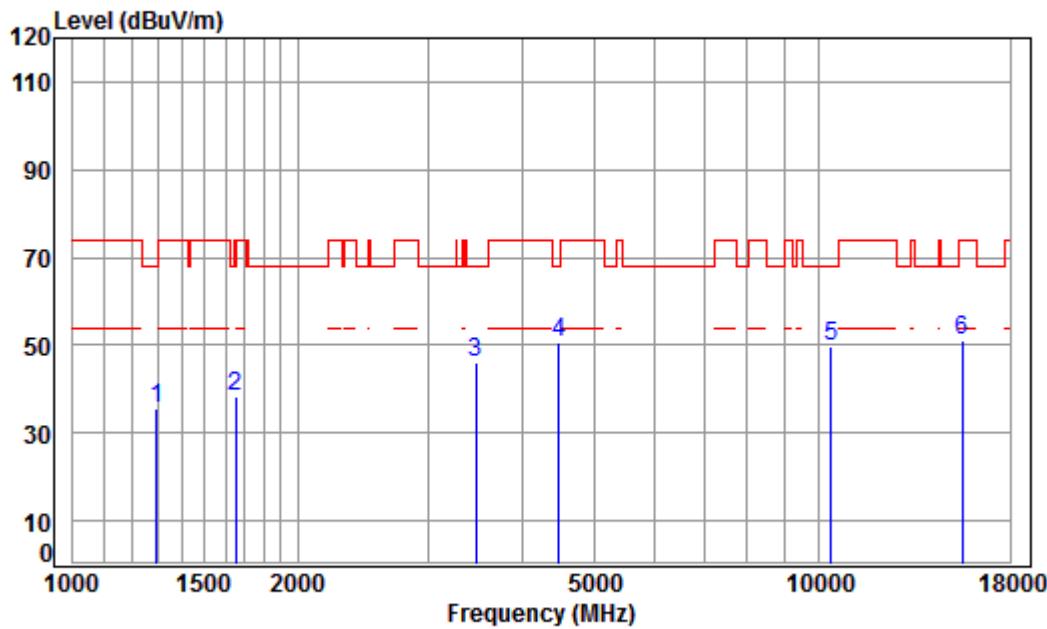
Job No : 03478CR

Mode : 5240 TX RSE

Note : 5G WIFI 11A

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1271.123	4.69	24.90	38.70	45.55	36.44	68.20	-31.76 peak
2	1648.778	5.29	26.46	38.70	45.55	38.60	68.20	-29.60 peak
3	3366.778	6.34	31.50	37.92	47.25	47.17	68.20	-21.03 peak
4 pp	4430.628	7.48	33.48	38.15	47.99	50.80	68.20	-17.40 peak
5	10480.000	11.28	37.71	36.35	37.02	49.66	68.20	-18.54 peak
6	15720.000	14.57	40.83	37.99	33.57	50.98	74.00	-23.02 peak

Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

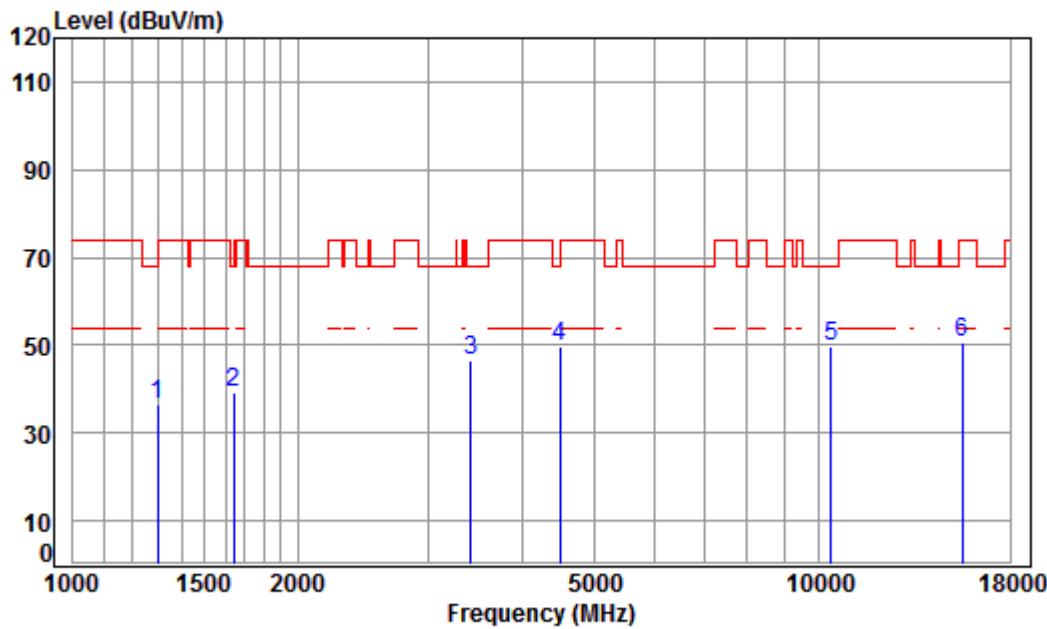
Job No : 03478CR

Mode : 5180 TX RSE

Note : 5G WIFI 11N20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1293.359	4.77	25.00	38.70	44.43	35.50	68.20	-32.70 peak
2	1653.550	5.28	26.48	38.70	45.21	38.27	68.20	-29.93 peak
3	3465.510	6.43	31.65	37.95	46.06	46.19	68.20	-22.01 peak
4 pp	4482.150	7.54	33.57	38.15	47.82	50.78	68.20	-17.42 peak
5	10360.000	11.19	37.76	36.34	37.31	49.92	68.20	-18.28 peak
6	15540.000	14.30	40.72	38.12	34.04	50.94	74.00	-23.06 peak

Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

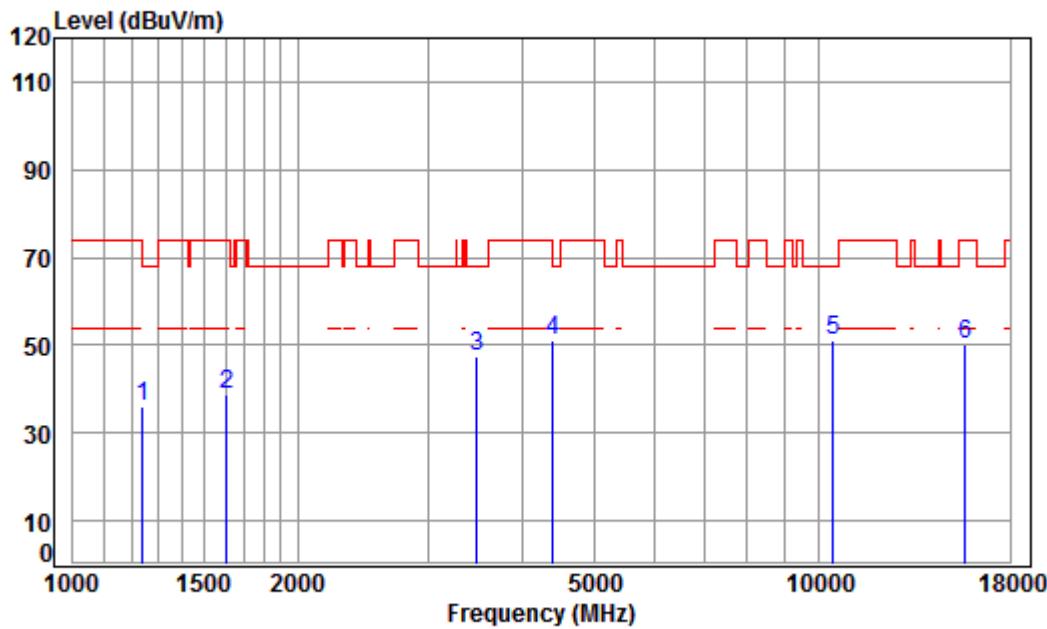
Job No : 03478CR

Mode : 5180 TX RSE

Note : 5G WIFI 11N20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1300.858	4.80	25.03	38.70	45.23	36.36	74.00	-37.64 peak
2	1644.019	5.30	26.44	38.70	46.08	39.12	68.20	-29.08 peak
3	3415.787	6.38	31.57	37.94	46.75	46.76	68.20	-21.44 peak
4 pp	4495.125	7.55	33.59	38.15	46.70	49.69	68.20	-18.51 peak
5	10360.000	11.19	37.76	36.34	37.02	49.63	68.20	-18.57 peak
6	15540.000	14.30	40.72	38.12	33.76	50.66	74.00	-23.34 peak

Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

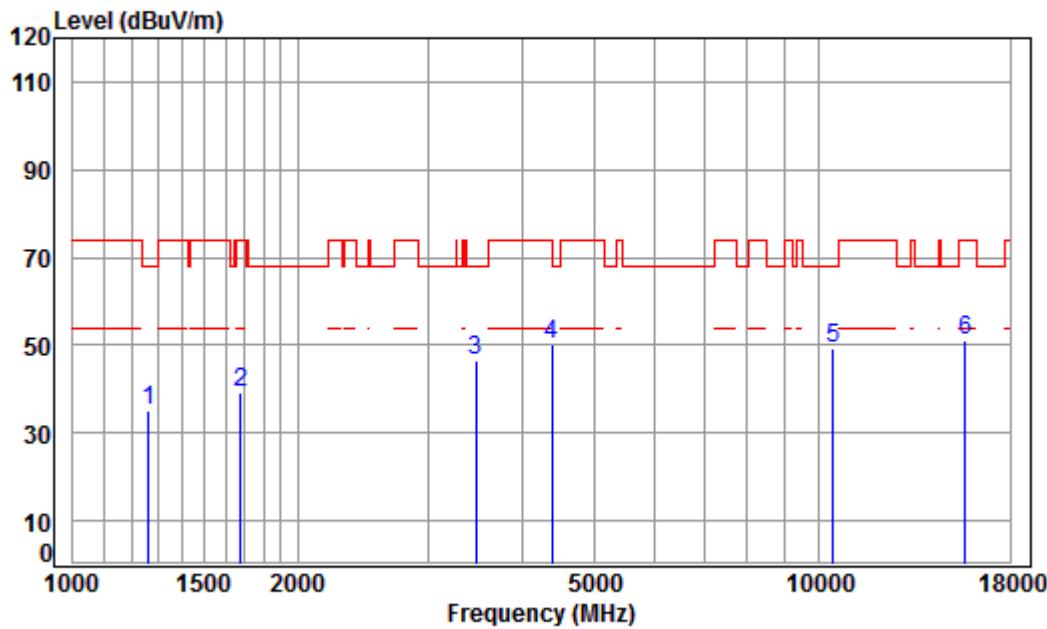
Job No : 03478CR

Mode : 5220 TX RSE

Note : 5G WIFI 11N20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1238.483	4.57	24.76	38.70	45.39	36.02	74.00	-37.98 peak
2	1606.441	5.34	26.28	38.70	46.00	38.92	74.00	-35.08 peak
3	3475.541	6.44	31.66	37.95	47.12	47.27	68.20	-20.93 peak
4	4392.376	7.44	33.42	38.14	48.34	51.06	74.00	-22.94 peak
5 pp	10440.000	11.25	37.72	36.35	38.27	50.89	68.20	-17.31 peak
6	15660.000	14.48	40.80	38.03	32.91	50.16	74.00	-23.84 peak

Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

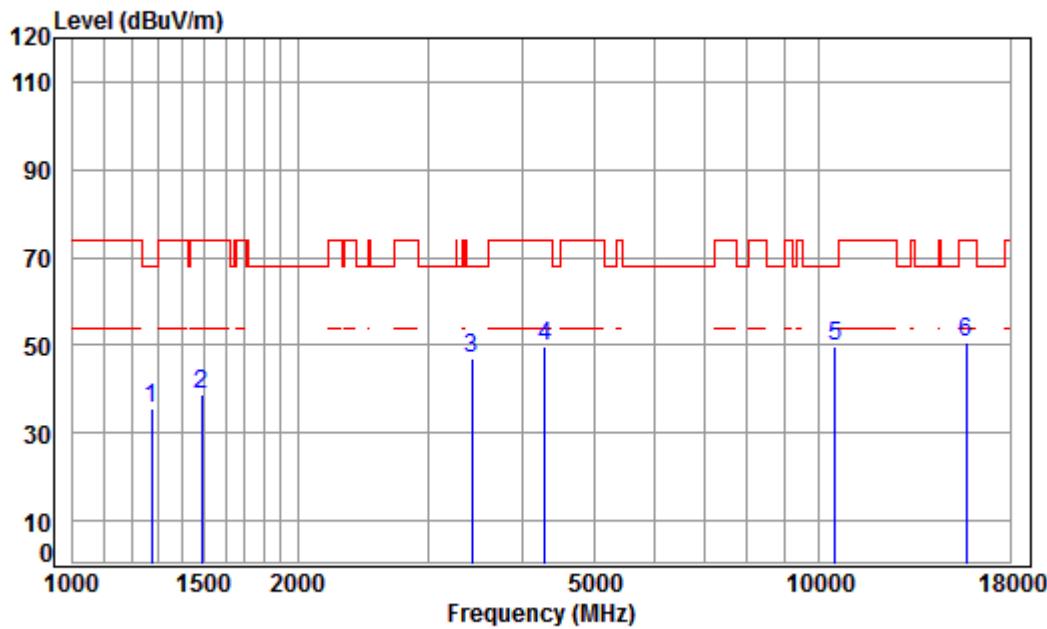
Job No : 03478CR

Mode : 5220 TX RSE

Note : 5G WIFI 11N20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1263.796	4.66	24.87	38.70	44.32	35.15	68.20	-33.05 peak
2	1677.621	5.25	26.58	38.70	46.18	39.31	74.00	-34.69 peak
3	3465.510	6.43	31.65	37.95	46.54	46.67	68.20	-21.53 peak
4	4379.699	7.43	33.39	38.14	47.57	50.25	74.00	-23.75 peak
5 pp	10440.000	11.25	37.72	36.35	36.79	49.41	68.20	-18.79 peak
6	15660.000	14.48	40.80	38.03	33.90	51.15	74.00	-22.85 peak

Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

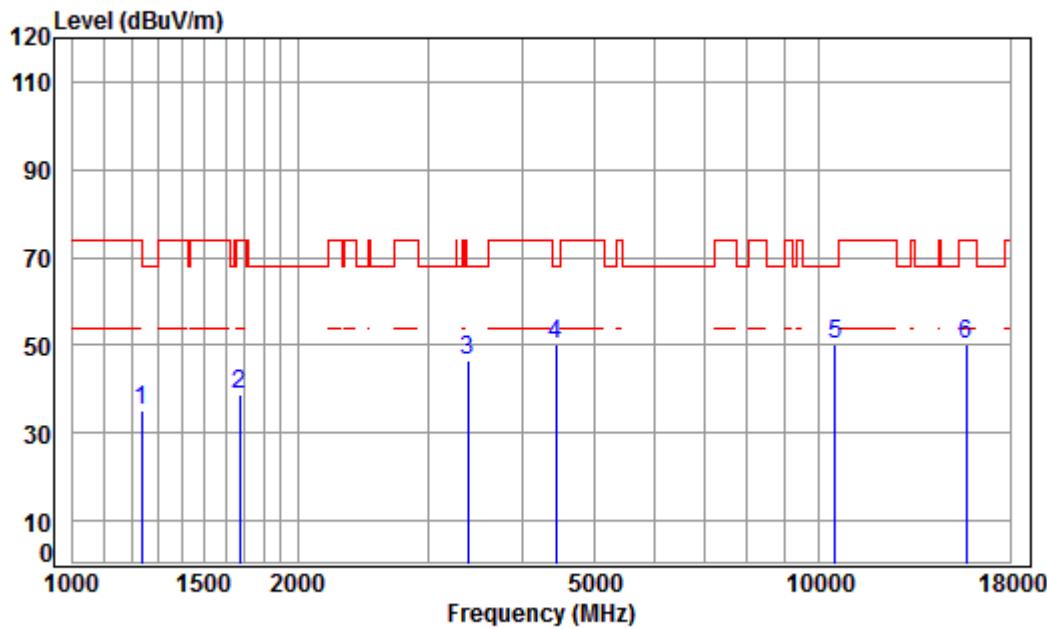
Job No : 03478CR

Mode : 5240 TX RSE

Note : 5G WIFI 11N20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1274.802	4.71	24.92	38.70	44.62	35.55	68.20	-32.65 peak
2	1485.841	5.43	25.75	38.70	46.36	38.84	74.00	-35.16 peak
3	3425.675	6.39	31.59	37.94	46.92	46.96	68.20	-21.24 peak
4	4291.977	7.33	33.24	38.13	47.44	49.88	74.00	-24.12 peak
5 pp	10480.000	11.28	37.71	36.35	36.91	49.55	68.20	-18.65 peak
6	15720.000	14.57	40.83	37.99	33.46	50.87	74.00	-23.13 peak

Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

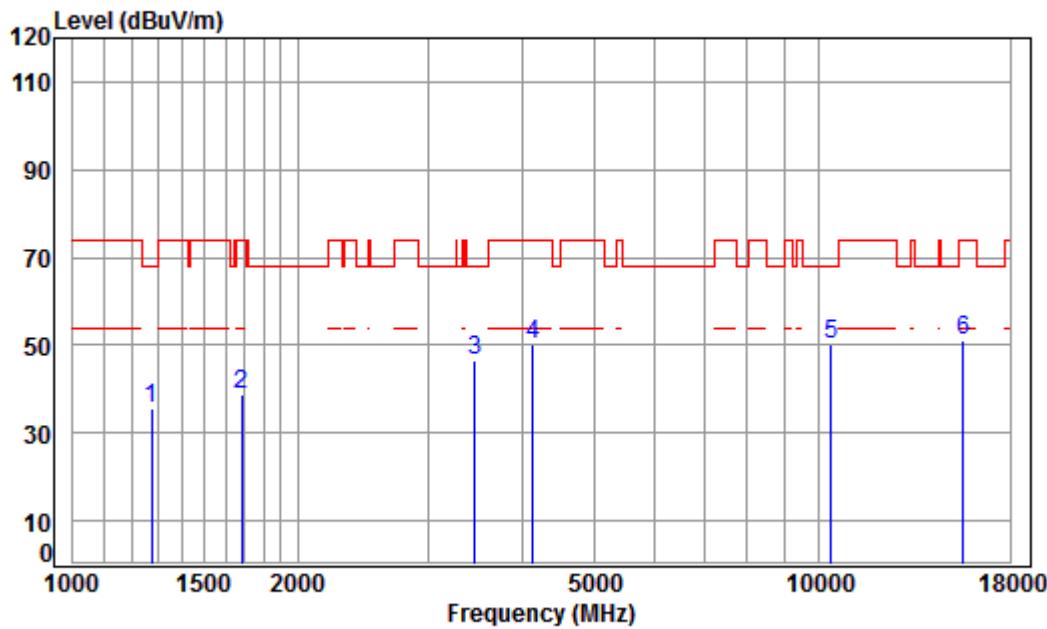
Job No : 03478CR

Mode : 5240 TX RSE

Note : 5G WIFI 11N20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1234.909	4.55	24.74	38.70	44.66	35.25	74.00	-38.75 peak
2	1672.779	5.26	26.56	38.70	45.46	38.58	74.00	-35.42 peak
3	3386.297	6.36	31.53	37.93	46.53	46.49	68.20	-21.71 peak
4 pp	4443.453	7.50	33.50	38.15	47.44	50.29	68.20	-17.91 peak
5	10480.000	11.28	37.71	36.35	37.36	50.00	68.20	-18.20 peak
6	15720.000	14.57	40.83	37.99	32.78	50.19	74.00	-23.81 peak

Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

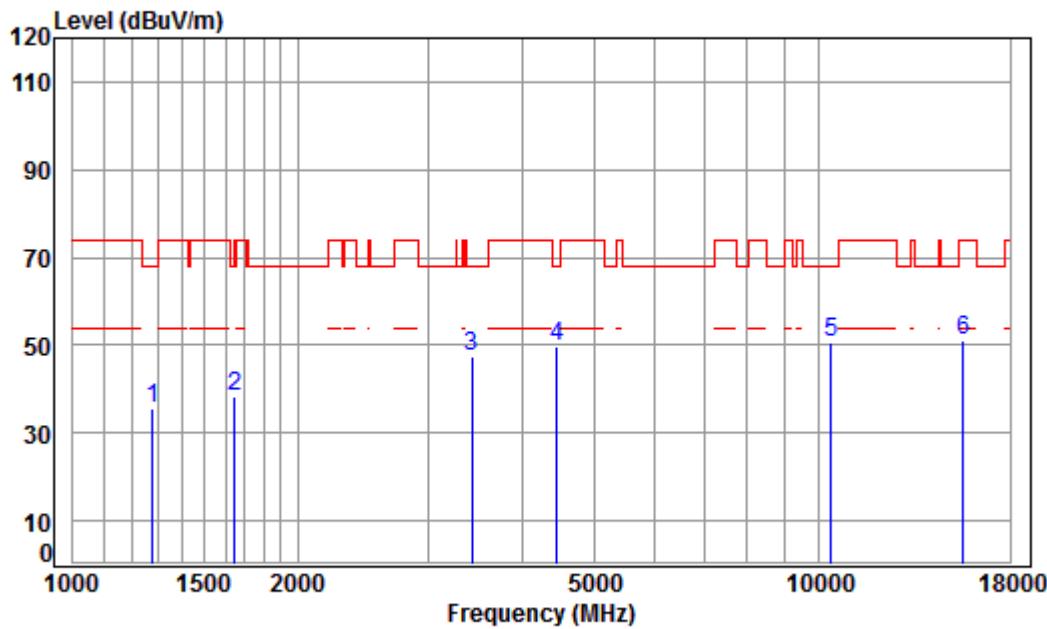
Job No : 03478CR

Mode : 5190 TX RSE

Note : 5G WIFI 11N40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Over Remark
1	1274.802	4.71	24.92	38.70	44.66	35.59	68.20	-32.61	peak
2	1682.477	5.25	26.60	38.70	45.49	38.64	74.00	-35.36	peak
3	3455.508	6.42	31.63	37.95	46.54	46.64	68.20	-21.56	peak
4	4133.699	7.14	32.95	38.11	48.28	50.26	74.00	-23.74	peak
5	pp10380.000	11.21	37.75	36.34	37.78	50.40	68.20	-17.80	peak
6	15570.000	14.35	40.74	38.10	33.98	50.97	74.00	-23.03	peak

Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

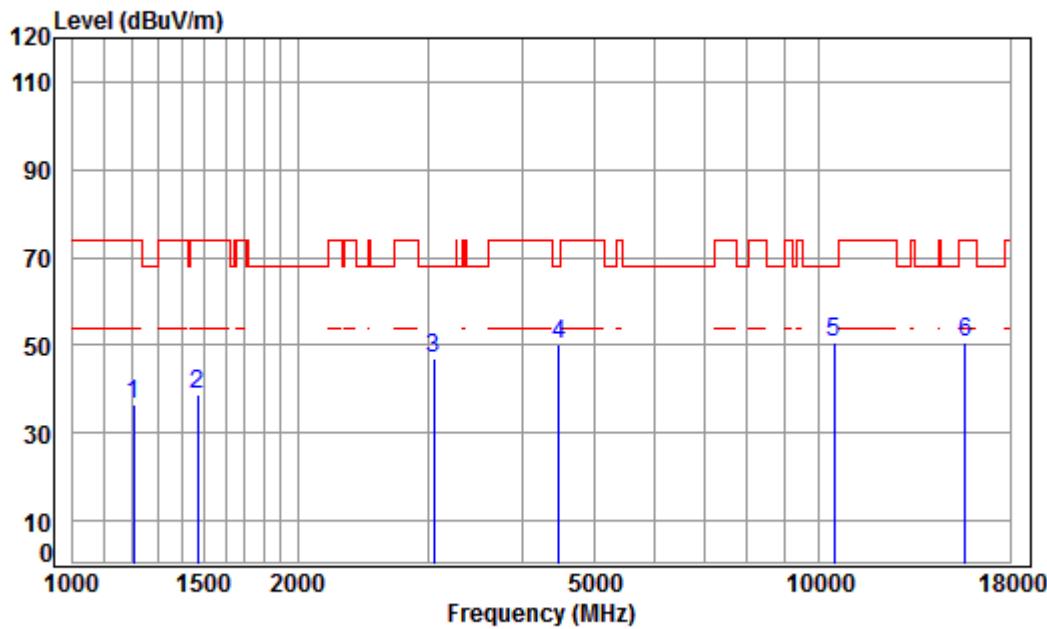
Job No : 03478CR

Mode : 5190 TX RSE

Note : 5G WIFI 11N40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1278.492	4.72	24.93	38.70	44.62	35.57	68.20	-32.63 peak
2	1648.778	5.29	26.46	38.70	45.27	38.32	68.20	-29.88 peak
3	3425.675	6.39	31.59	37.94	47.48	47.52	68.20	-20.68 peak
4	4456.315	7.51	33.53	38.15	47.05	49.94	68.20	-18.26 peak
5 pp	10380.000	11.21	37.75	36.34	37.94	50.56	68.20	-17.64 peak
6	15570.000	14.35	40.74	38.10	34.09	51.08	74.00	-22.92 peak

Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

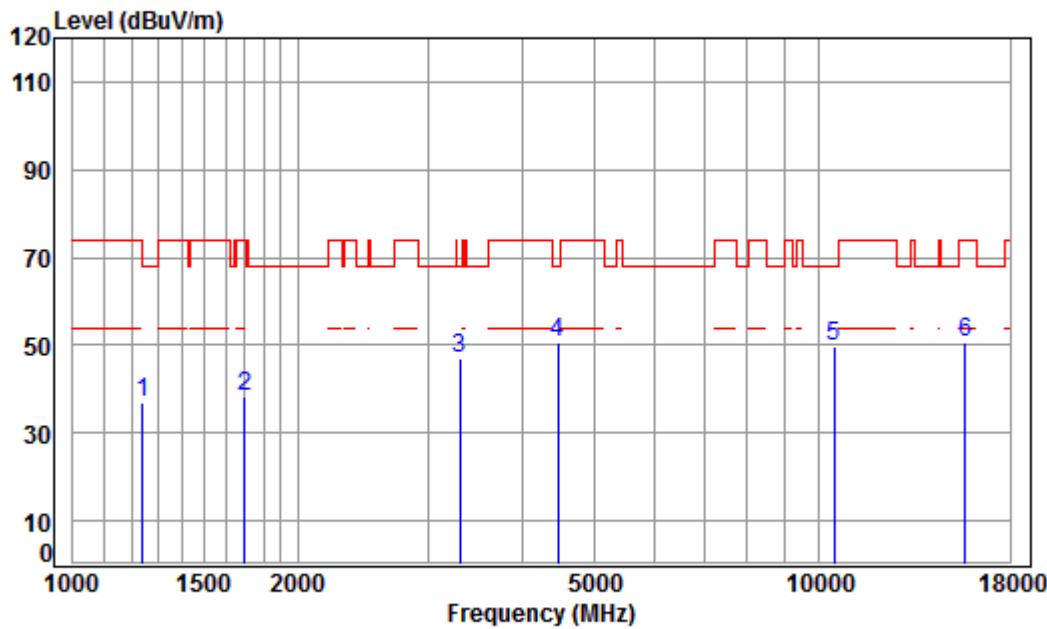
Job No : 03478CR

Mode : 5230 TX RSE

Note : 5G WIFI 11N40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1206.682	4.44	24.62	38.70	46.32	36.68	74.00	-37.32 peak
2	1468.761	5.38	25.69	38.70	46.26	38.63	74.00	-35.37 peak
3	3042.846	6.02	30.97	37.81	48.03	47.21	68.20	-20.99 peak
4	4482.150	7.54	33.57	38.15	47.11	50.07	68.20	-18.13 peak
5 pp	10460.000	11.26	37.72	36.35	37.86	50.49	68.20	-17.71 peak
6	15690.000	14.53	40.82	38.01	33.45	50.79	74.00	-23.21 peak

Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

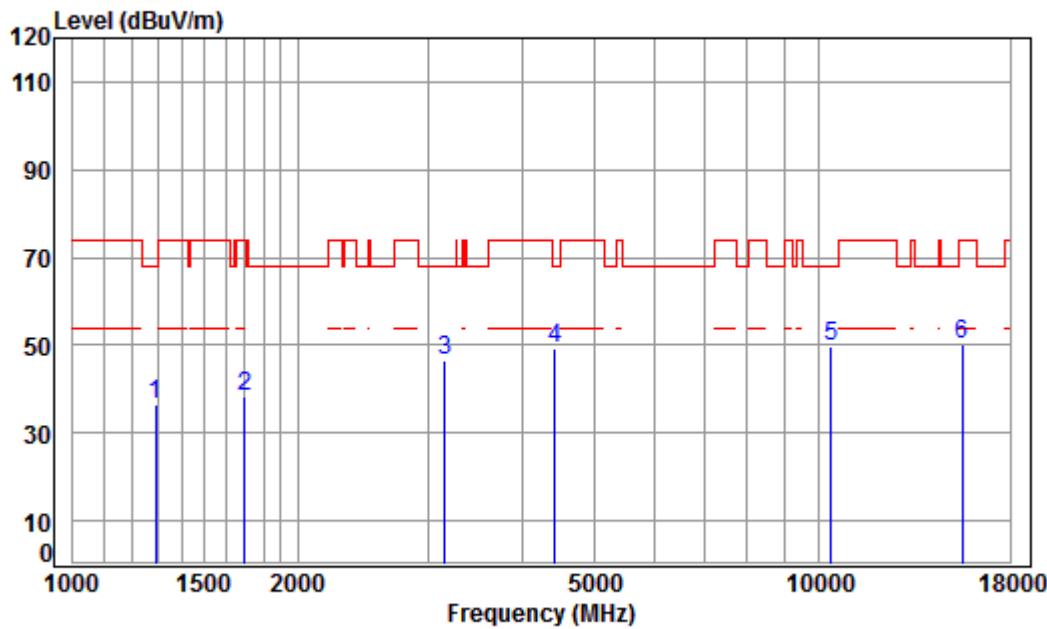
Job No : 03478CR

Mode : 5230 TX RSE

Note : 5G WIFI 11N40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1238.483	4.57	24.76	38.70	46.20	36.83	74.00	-37.17 peak
2	1697.129	5.23	26.66	38.70	45.12	38.31	74.00	-35.69 peak
3	3299.344	6.28	31.39	37.90	47.37	47.14	68.20	-21.06 peak
4 pp	4469.214	7.53	33.55	38.15	47.88	50.81	68.20	-17.39 peak
5	10460.000	11.26	37.72	36.35	37.25	49.88	68.20	-18.32 peak
6	15690.000	14.53	40.82	38.01	33.44	50.78	74.00	-23.22 peak

Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

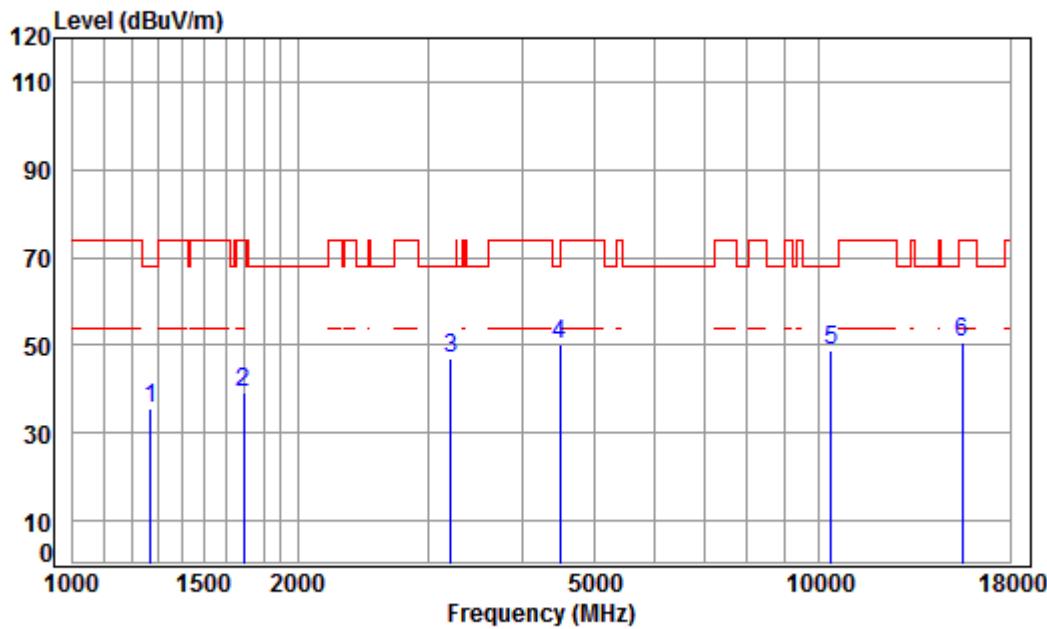
Job No : 03478CR

Mode : 5180 TX RSE

Note : 5G WIFI 11AC20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Over Line dB	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1289.627	4.76	24.98	38.70	45.59	36.63	68.20	-31.57	peak
2	1697.129	5.23	26.66	38.70	45.16	38.35	74.00	-35.65	peak
3	3150.237	6.13	31.15	37.85	47.08	46.51	68.20	-21.69	peak
4	4417.841	7.47	33.46	38.14	46.44	49.23	68.20	-18.97	peak
5 pp	10360.000	11.19	37.76	36.34	37.05	49.66	68.20	-18.54	peak
6	15540.000	14.30	40.72	38.12	33.20	50.10	74.00	-23.90	peak

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

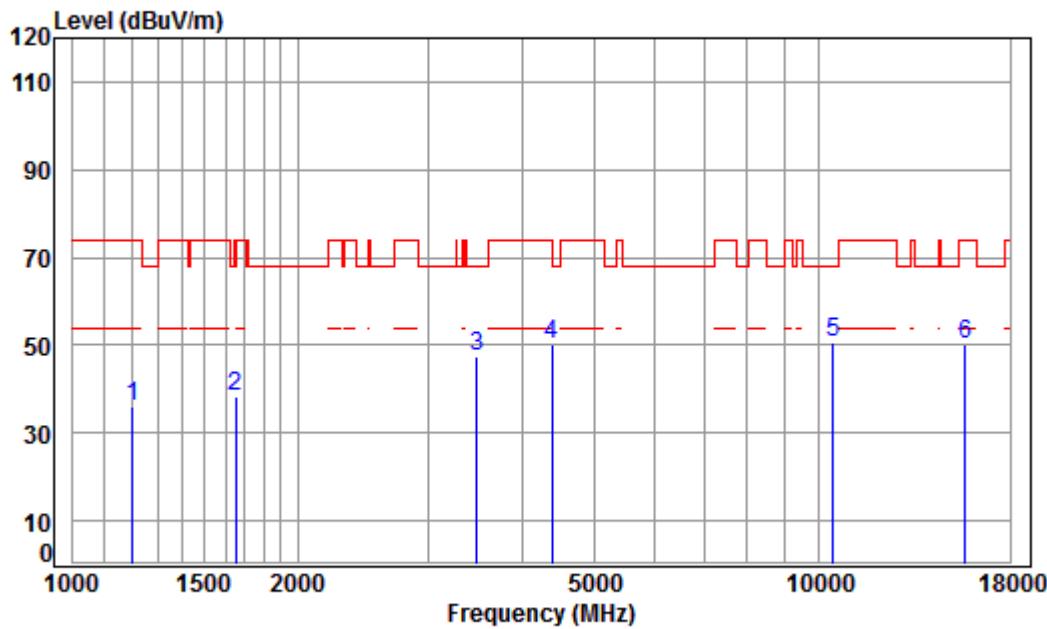
Job No : 03478CR

Mode : 5180 TX RSE

Note : 5G WIFI 11AC20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Remark
1	1271.123	4.69	24.90	38.70	44.83	35.72	68.20	-32.48	peak
2	1692.231	5.24	26.64	38.70	46.02	39.20	74.00	-34.80	peak
3	3205.345	6.19	31.24	37.87	47.35	46.91	68.20	-21.29	peak
4 pp	4495.125	7.55	33.59	38.15	47.41	50.40	68.20	-17.80	peak
5	10360.000	11.19	37.76	36.34	36.08	48.69	68.20	-19.51	peak
6	15540.000	14.30	40.72	38.12	33.76	50.66	74.00	-23.34	peak

Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

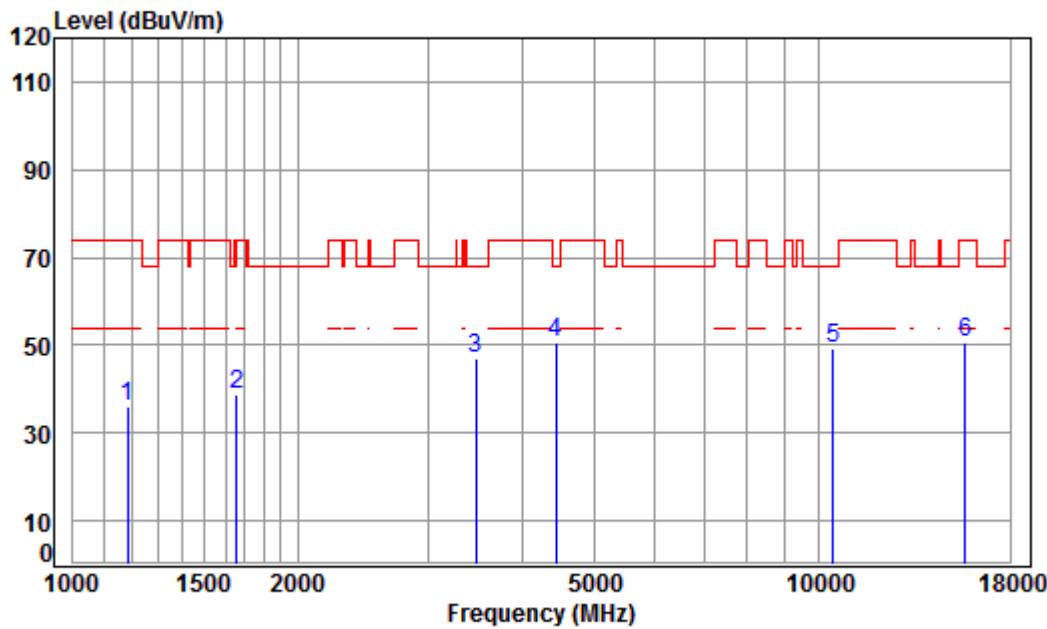
Job No : 03478CR

Mode : 5220 TX RSE

Note : 5G WIFI 11AC20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1203.199	4.43	24.60	38.70	45.86	36.19	74.00	-37.81 peak
2	1653.550	5.28	26.48	38.70	45.41	38.47	68.20	-29.73 peak
3	3475.541	6.44	31.66	37.95	47.16	47.31	68.20	-20.89 peak
4	4379.699	7.43	33.39	38.14	47.36	50.04	74.00	-23.96 peak
5 pp	10440.000	11.25	37.72	36.35	38.03	50.65	68.20	-17.55 peak
6	15660.000	14.48	40.80	38.03	32.89	50.14	74.00	-23.86 peak

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

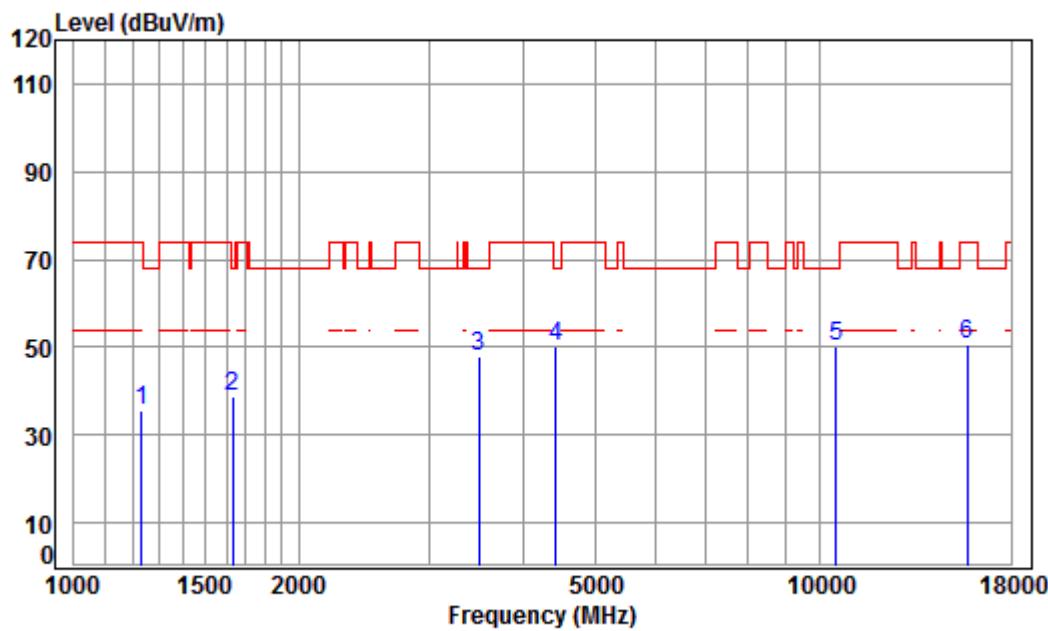
Job No : 03478CR

Mode : 5220 TX RSE

Note : 5G WIFI 11AC20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1185.936	4.36	24.53	38.70	45.86	36.05	74.00	-37.95 peak
2	1658.337	5.28	26.50	38.70	45.56	38.64	68.20	-29.56 peak
3	3465.510	6.43	31.65	37.95	46.85	46.98	68.20	-21.22 peak
4 pp	4443.453	7.50	33.50	38.15	47.67	50.52	68.20	-17.68 peak
5	10440.000	11.25	37.72	36.35	36.66	49.28	68.20	-18.92 peak
6	15660.000	14.48	40.80	38.03	33.18	50.43	74.00	-23.57 peak

Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

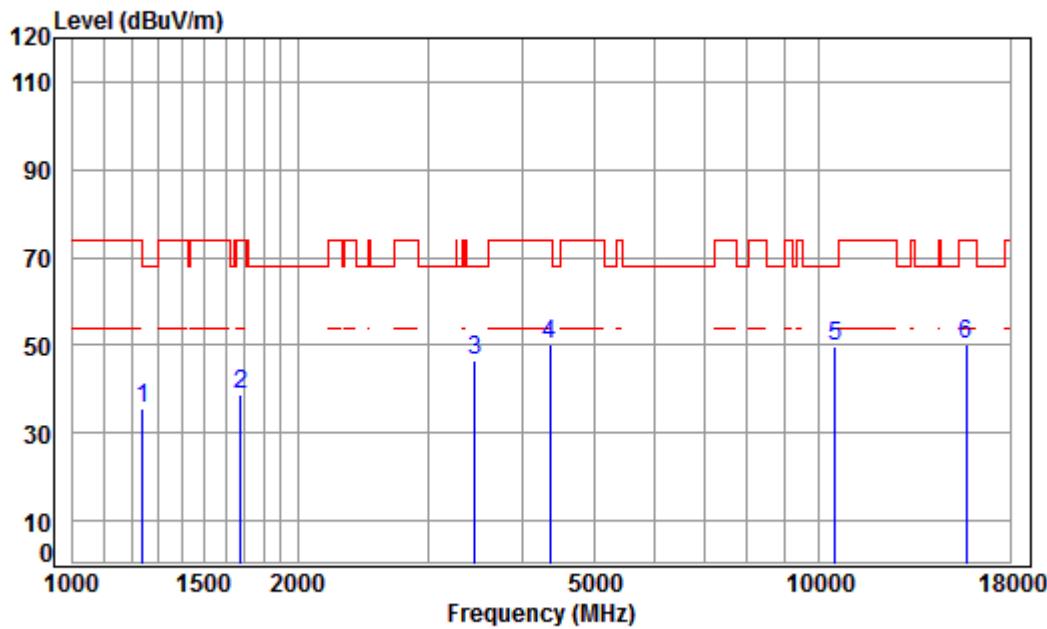
Job No : 03478CR

Mode : 5240 TX RSE

Note : 5G WIFI 11AC20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1231.345	4.54	24.73	38.70	45.14	35.71	74.00	-38.29 peak
2	1629.825	5.31	26.38	38.70	45.80	38.79	68.20	-29.41 peak
3	3485.601	6.45	31.68	37.96	47.80	47.97	68.20	-20.23 peak
4	4417.841	7.47	33.46	38.14	47.42	50.21	68.20	-17.99 peak
5 pp	10480.000	11.28	37.71	36.35	37.67	50.31	68.20	-17.89 peak
6	15720.000	14.57	40.83	37.99	33.13	50.54	74.00	-23.46 peak

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

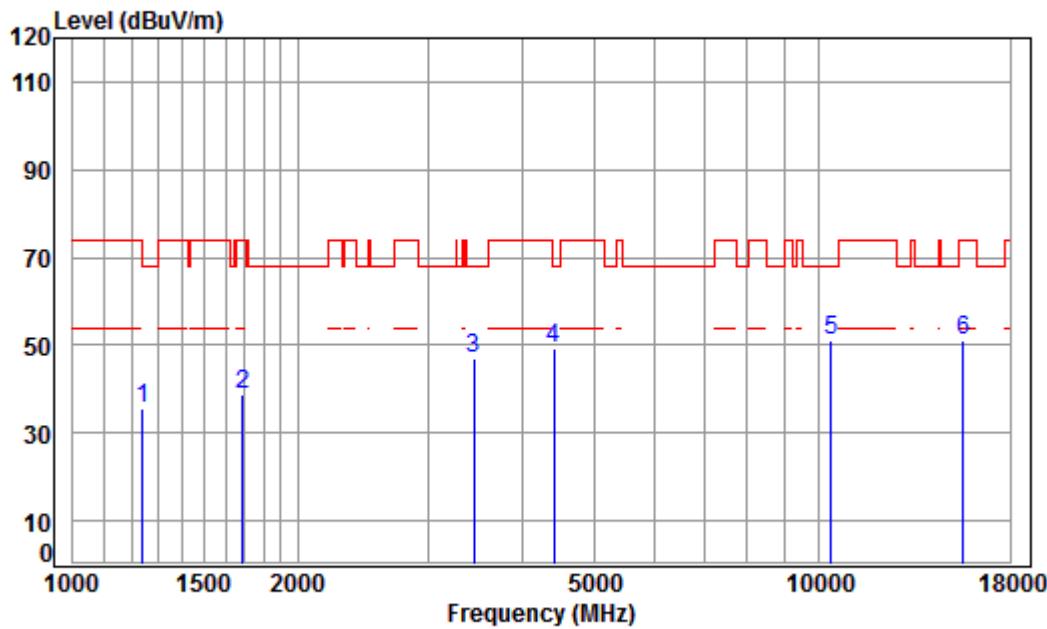
Job No : 03478CR

Mode : 5240 TX RSE

Note : 5G WIFI 11AC20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1238.483	4.57	24.76	38.70	44.83	35.46	74.00	-38.54 peak
2	1677.621	5.25	26.58	38.70	45.83	38.96	74.00	-35.04 peak
3	3455.508	6.42	31.63	37.95	46.40	46.50	68.20	-21.70 peak
4	4354.454	7.40	33.35	38.14	47.65	50.26	74.00	-23.74 peak
5 pp	10480.000	11.28	37.71	36.35	37.21	49.85	68.20	-18.35 peak
6	15720.000	14.57	40.83	37.99	32.97	50.38	74.00	-23.62 peak

Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

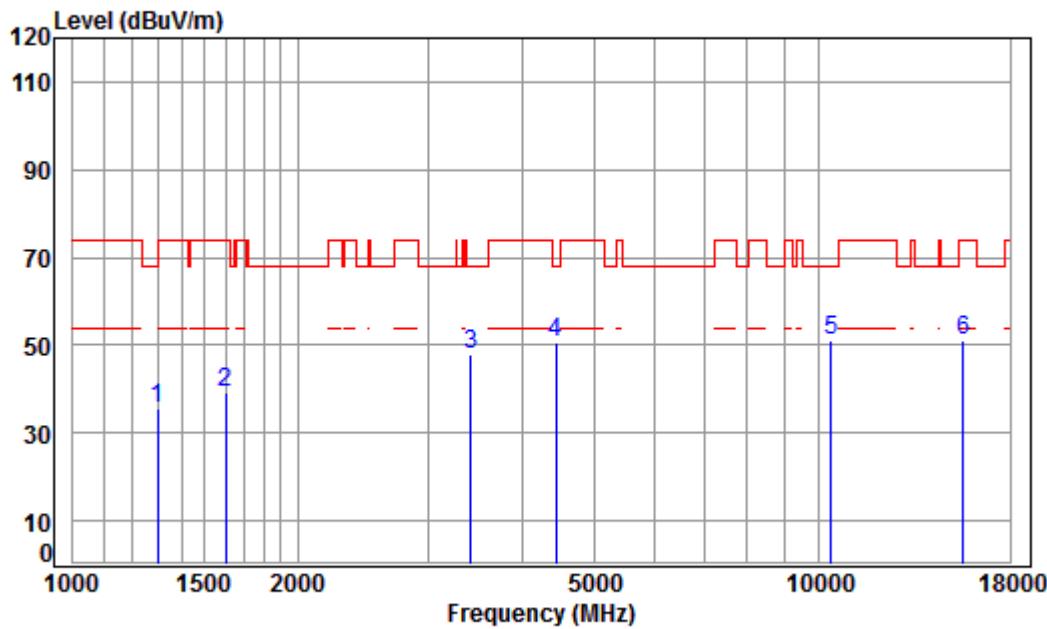
Job No : 03478CR

Mode : 5190 TX RSE

Note : 5G WIFI 11AC40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Remark
1	1238.483	4.57	24.76	38.70	44.90	35.53	74.00	-38.47	peak
2	1687.347	5.24	26.62	38.70	45.49	38.65	74.00	-35.35	peak
3	3445.535	6.41	31.62	37.94	46.76	46.85	68.20	-21.35	peak
4	4405.090	7.46	33.44	38.14	46.72	49.48	68.20	-18.72	peak
5 pp	10380.000	11.21	37.75	36.34	38.52	51.14	68.20	-17.06	peak
6	15570.000	14.35	40.74	38.10	33.94	50.93	74.00	-23.07	peak

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

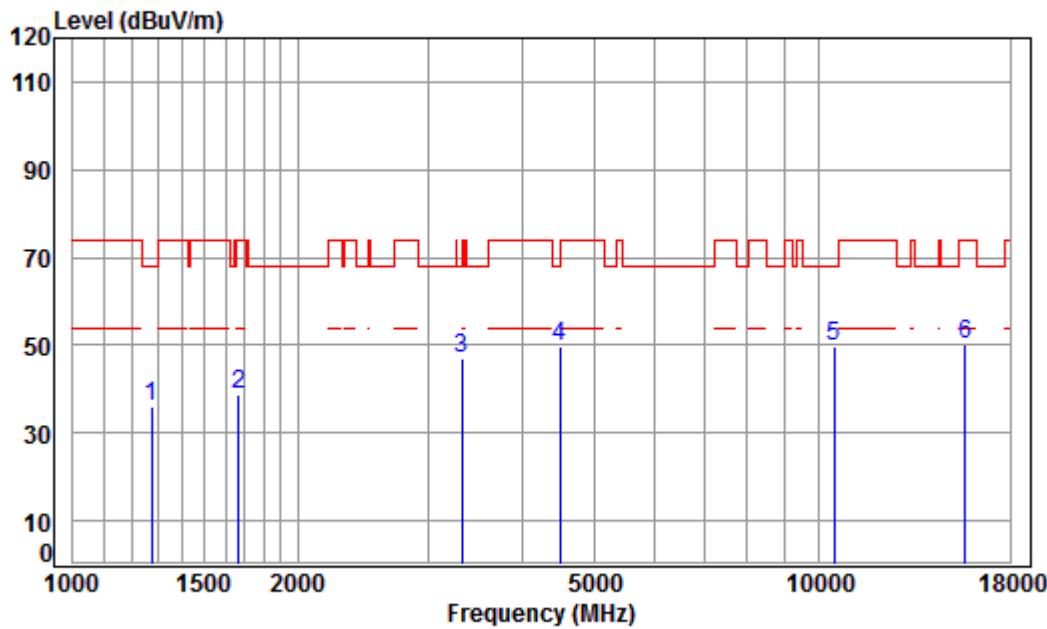
Job No : 03478CR

Mode : 5190 TX RSE

Note : 5G WIFI 11AC40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1297.103	4.79	25.01	38.70	44.45	35.55	68.20	-32.65 peak
2	1601.804	5.35	26.26	38.70	46.29	39.20	74.00	-34.80 peak
3	3415.787	6.38	31.57	37.94	47.83	47.84	68.20	-20.36 peak
4	4443.453	7.50	33.50	38.15	47.73	50.58	68.20	-17.62 peak
5 pp	10380.000	11.21	37.75	36.34	38.70	51.32	68.20	-16.88 peak
6	15570.000	14.35	40.74	38.10	34.13	51.12	74.00	-22.88 peak

Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

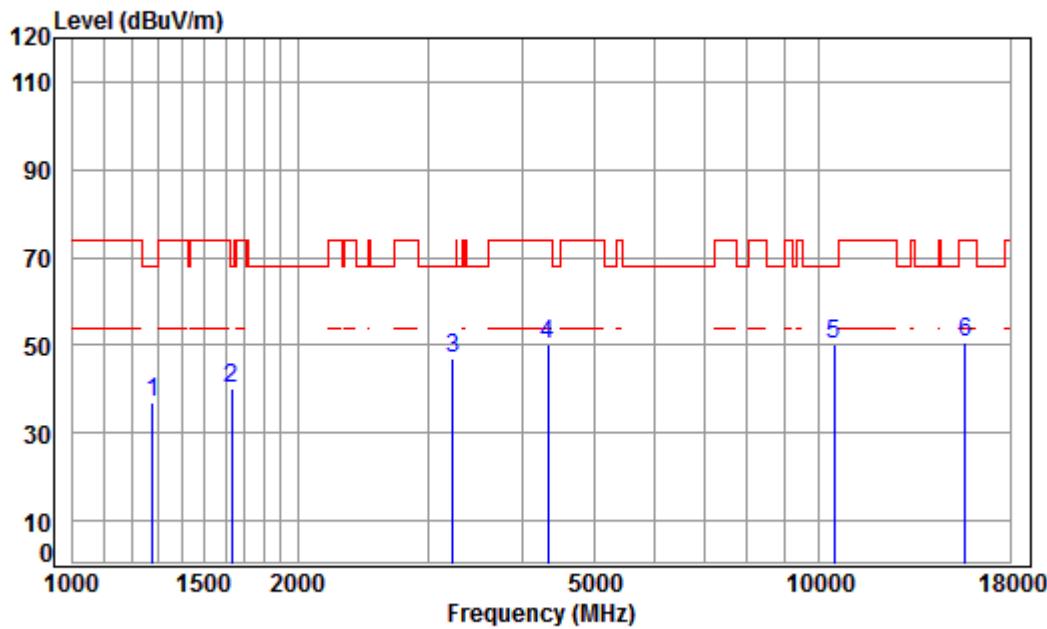
Job No : 03478CR

Mode : 5230 TX RSE

Note : 5G WIFI 11AC40

	Cable Freq	Ant Loss	Preamp Factor	Read Factor	Limit Level	Line Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1274.802	4.71	24.92	38.70	45.07	36.00	68.20	-32.20 peak
2	1667.951	5.27	26.54	38.70	45.51	38.62	74.00	-35.38 peak
3	3318.471	6.29	31.42	37.91	46.99	46.79	68.20	-21.41 peak
4	4495.125	7.55	33.59	38.15	46.76	49.75	68.20	-18.45 peak
5 pp	10460.000	11.26	37.72	36.35	37.29	49.92	68.20	-18.28 peak
6	15690.000	14.53	40.82	38.01	32.97	50.31	74.00	-23.69 peak

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

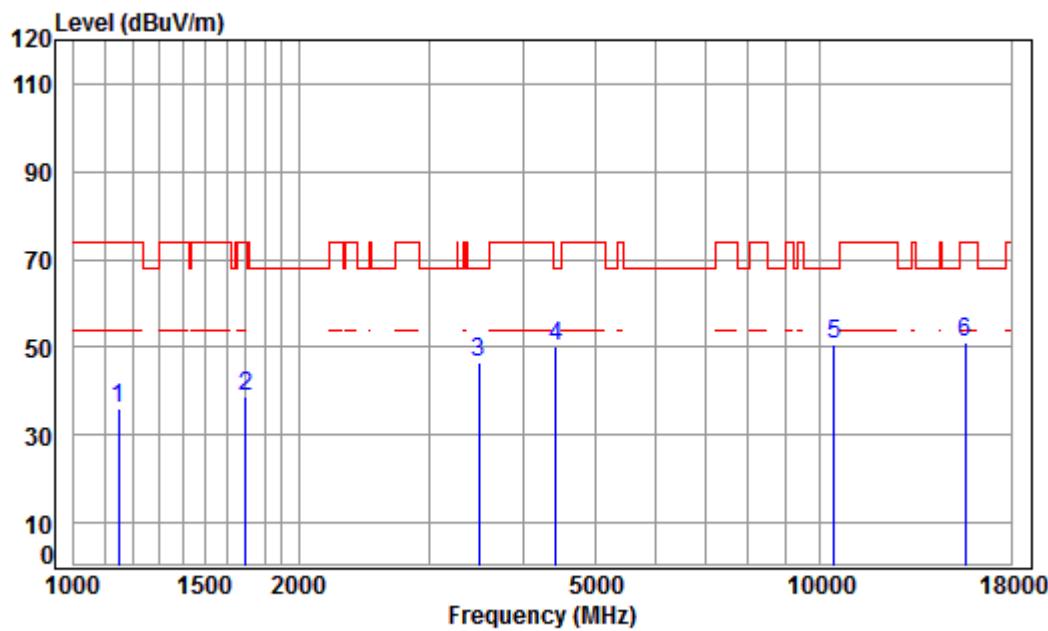
Job No : 03478CR

Mode : 5230 TX RSE

Note : 5G WIFI 11AC40

	Cable Freq	Ant Loss	Preamp Factor	Read Factor	Level dBuV	Level dBuV/m	Limit dBuV/m	Over Line	Over Limit dB	Remark
1	1278.492	4.72	24.93	38.70	46.10	37.05	68.20	-31.15	peak	
2	1629.825	5.31	26.38	38.70	47.27	40.26	68.20	-27.94	peak	
3	3223.928	6.20	31.27	37.88	47.38	46.97	68.20	-21.23	peak	
4	4329.354	7.37	33.30	38.14	47.77	50.30	74.00	-23.70	peak	
5	pp10460.000	11.26	37.72	36.35	37.46	50.09	68.20	-18.11	peak	
6	15690.000	14.53	40.82	38.01	33.41	50.75	74.00	-23.25	peak	

Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

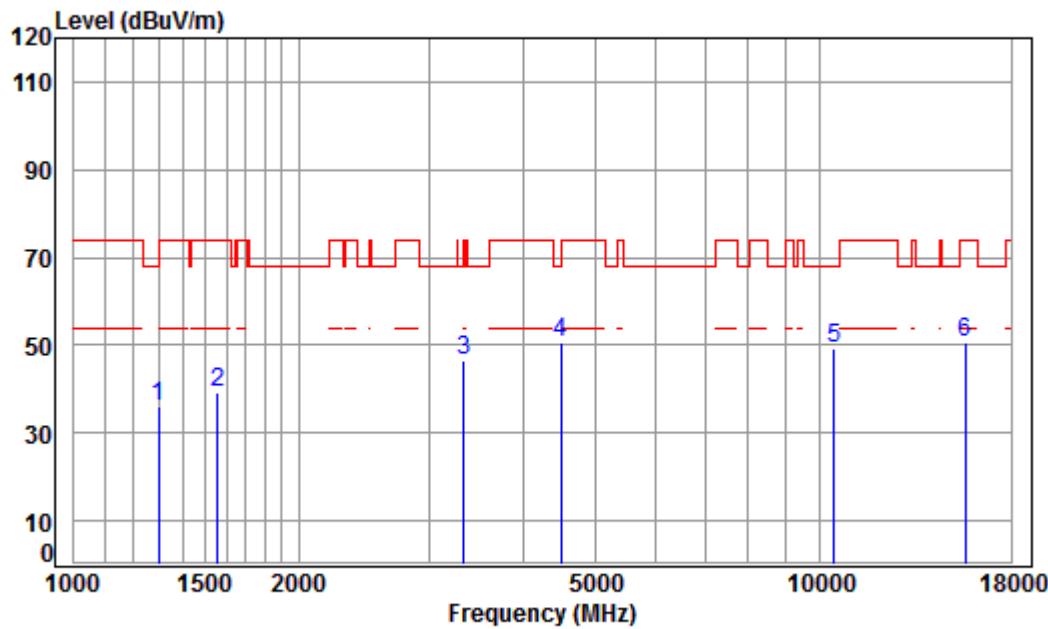
Job No : 03478CR

Mode : 5210 TX RSE

Note : 5G WIFI 11AC80

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1148.823	4.21	24.35	38.70	46.29	36.15	74.00	-37.85 peak
2	1697.129	5.23	26.66	38.70	45.74	38.93	74.00	-35.07 peak
3	3485.601	6.45	31.68	37.96	46.54	46.71	68.20	-21.49 peak
4	4417.841	7.47	33.46	38.14	47.53	50.32	68.20	-17.88 peak
5 pp	10420.000	11.24	37.73	36.34	37.83	50.46	68.20	-17.74 peak
6	15630.000	14.44	40.78	38.05	33.71	50.88	74.00	-23.12 peak

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

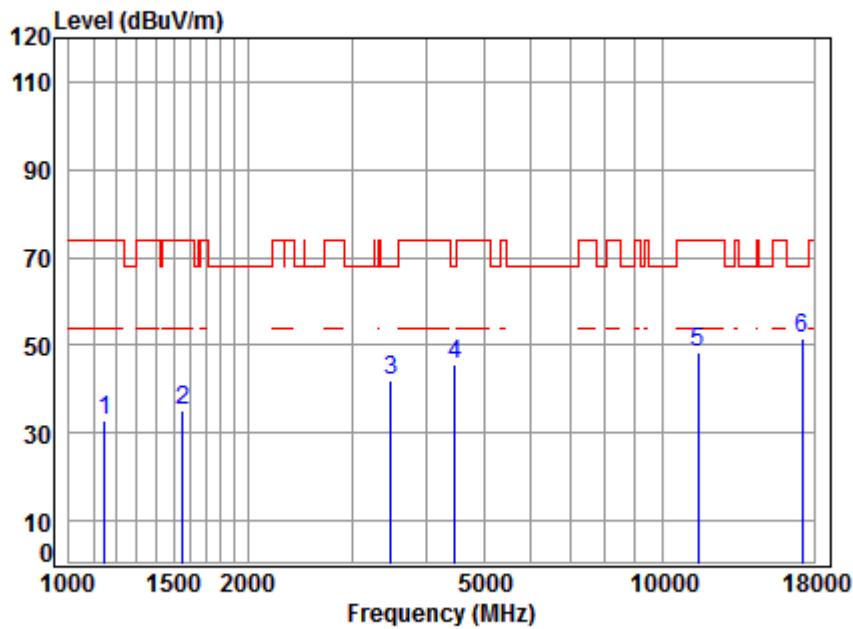
Job No : 03478CR

Mode : 5210 TX RSE

Note : 5G WIFI 11AC80

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1300.858	4.80	25.03	38.70	45.06	36.19	74.00	-37.81 peak
2	1560.673	5.40	26.08	38.70	46.66	39.44	74.00	-34.56 peak
3	3328.077	6.30	31.44	37.91	46.81	46.64	68.20	-21.56 peak
4 pp	4495.125	7.55	33.59	38.15	47.86	50.85	68.20	-17.35 peak
5	10420.000	11.24	37.73	36.34	36.83	49.46	68.20	-18.74 peak
6	15630.000	14.44	40.78	38.05	33.59	50.76	74.00	-23.24 peak

Mode:f; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

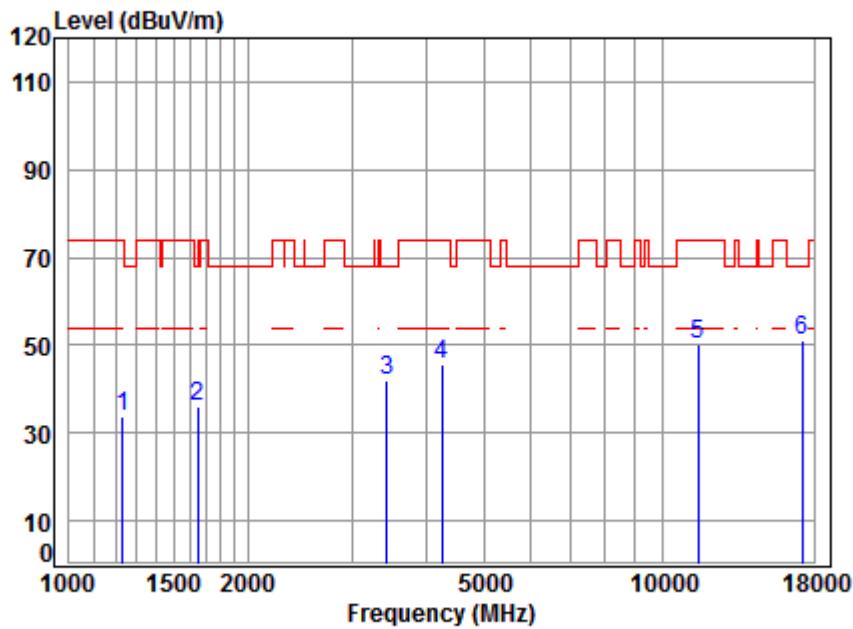
Job No : 03478CR

Mode : 5745 TX RSE

Note : 5G WIFI 11A

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Remark
1	1148.823	4.21	24.35	41.14	45.35	32.77	74.00	-41.23	peak
2	1551.677	5.41	26.04	41.44	44.99	35.00	74.00	-39.00	peak
3	3485.601	6.45	31.68	42.22	46.27	42.18	68.20	-26.02	peak
4	4469.214	7.53	33.55	42.41	46.91	45.58	68.20	-22.62	peak
5	11490.000	12.13	37.90	38.19	36.65	48.49	74.00	-25.51	peak
6	pp17235.000	16.18	42.74	40.48	33.32	51.76	68.20	-16.44	peak

Mode:f; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

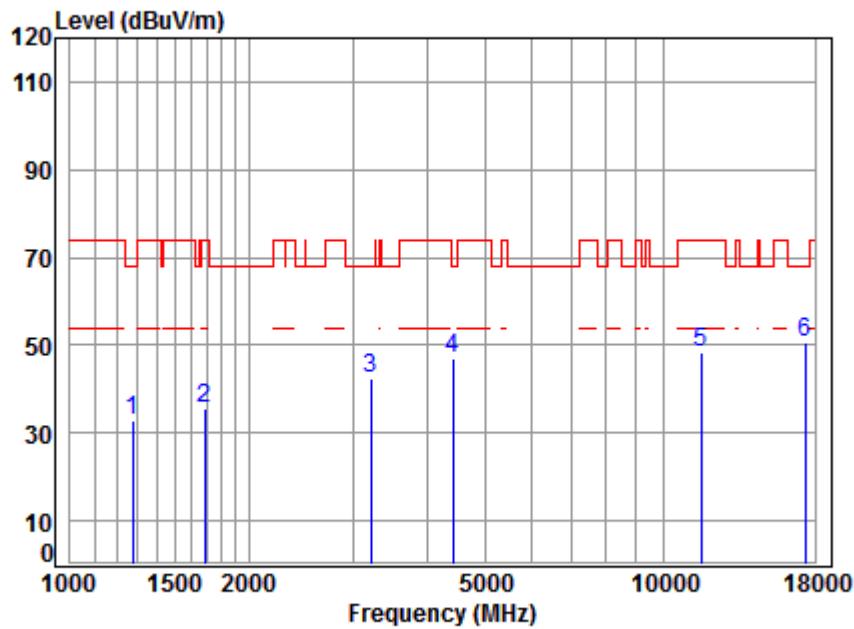
Job No : 03478CR

Mode : 5745 TX RSE

Note : 5G WIFI 11A

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1231.345	4.54	24.73	41.21	45.63	33.69	74.00	-40.31 peak
2	1648.778	5.29	26.46	41.50	45.94	36.19	68.20	-32.01 peak
3	3435.590	6.40	31.60	42.21	46.35	42.14	68.20	-26.06 peak
4	4242.641	7.27	33.15	42.37	47.46	45.51	74.00	-28.49 peak
5	11490.000	12.13	37.90	38.19	38.40	50.24	74.00	-23.76 peak
6	pp17235.000	16.18	42.74	40.48	32.50	50.94	68.20	-17.26 peak

Mode:f; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

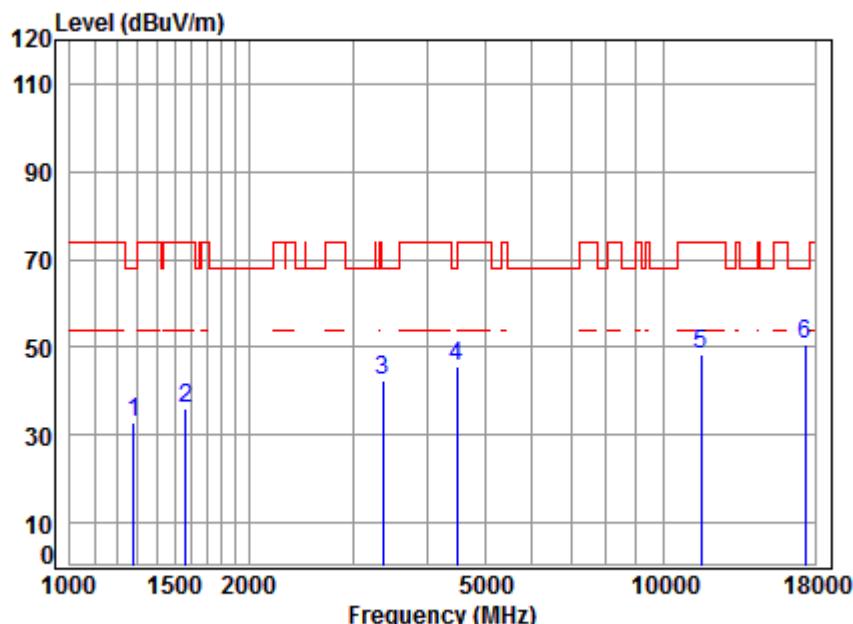
Job No : 03478CR

Mode : 5785 TX RSE

Note : 5G WIFI 11A

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1274.802	4.71	24.92	41.24	44.67	33.06	68.20	-35.14 peak
2	1687.347	5.24	26.62	41.52	45.21	35.55	74.00	-38.45 peak
3	3214.623	6.20	31.26	42.15	46.96	42.27	68.20	-25.93 peak
4	4417.841	7.47	33.46	42.40	48.46	46.99	68.20	-21.21 peak
5	11570.000	12.17	37.87	38.24	36.48	48.28	74.00	-25.72 peak
6	pp17355.000	15.92	42.81	40.58	32.57	50.72	68.20	-17.48 peak

Mode:f; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

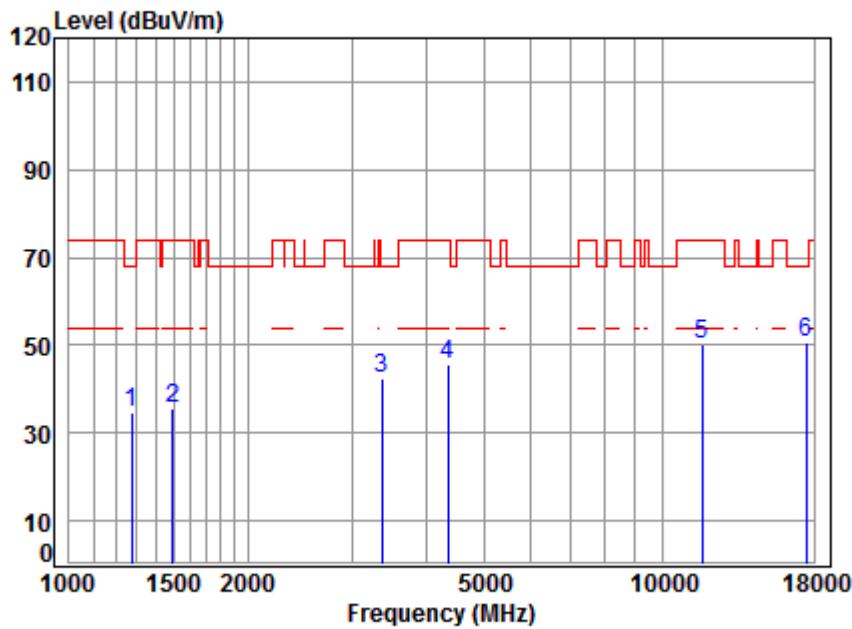
Job No : 03478CR

Mode : 5785 TX RSE

Note : 5G WIFI 11A

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1282.193	4.73	24.95	41.25	44.65	33.08	68.20	-35.12 peak
2	1569.721	5.39	26.12	41.45	45.82	35.88	74.00	-38.12 peak
3	3366.778	6.34	31.50	42.19	46.57	42.22	68.20	-25.98 peak
4	4495.125	7.55	33.59	42.42	47.11	45.83	68.20	-22.37 peak
5	11570.000	12.17	37.87	38.24	36.58	48.38	74.00	-25.62 peak
6	pp17355.000	15.92	42.81	40.58	32.57	50.72	68.20	-17.48 peak

Mode:f; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

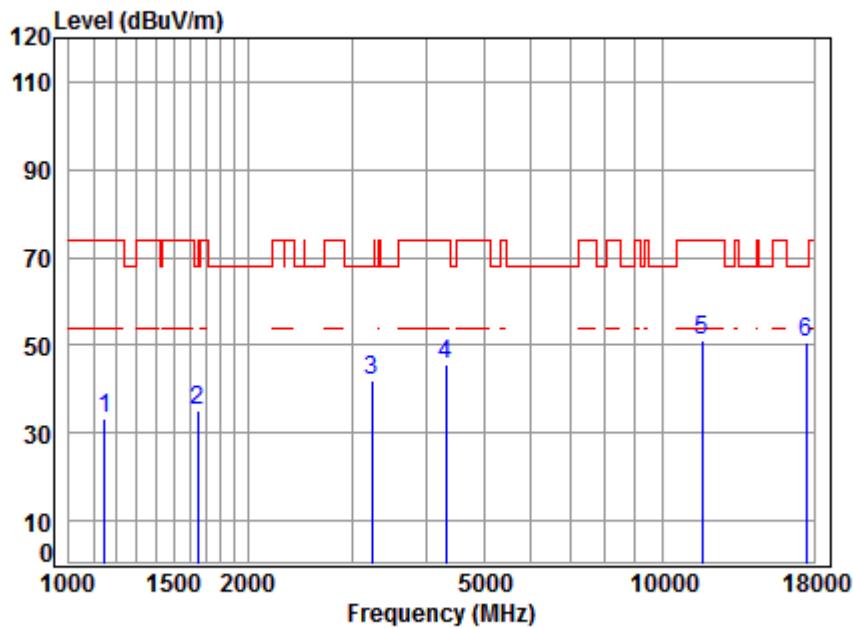
Job No : 03478CR

Mode : 5825 TX RSE

Note : 5G WIFI 11A

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Remark
1	1274.802	4.71	24.92	41.24	46.24	34.63	68.20	-33.57	peak
2	1494.455	5.46	25.78	41.40	45.81	35.65	74.00	-38.35	peak
3	3366.778	6.34	31.50	42.19	46.68	42.33	68.20	-25.87	peak
4	4354.454	7.40	33.35	42.39	47.40	45.76	74.00	-28.24	peak
5	11650.000	12.20	37.84	38.29	38.23	49.98	74.00	-24.02	peak
6	pp17475.000	15.65	42.89	40.68	32.99	50.85	68.20	-17.35	peak

Mode:f; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

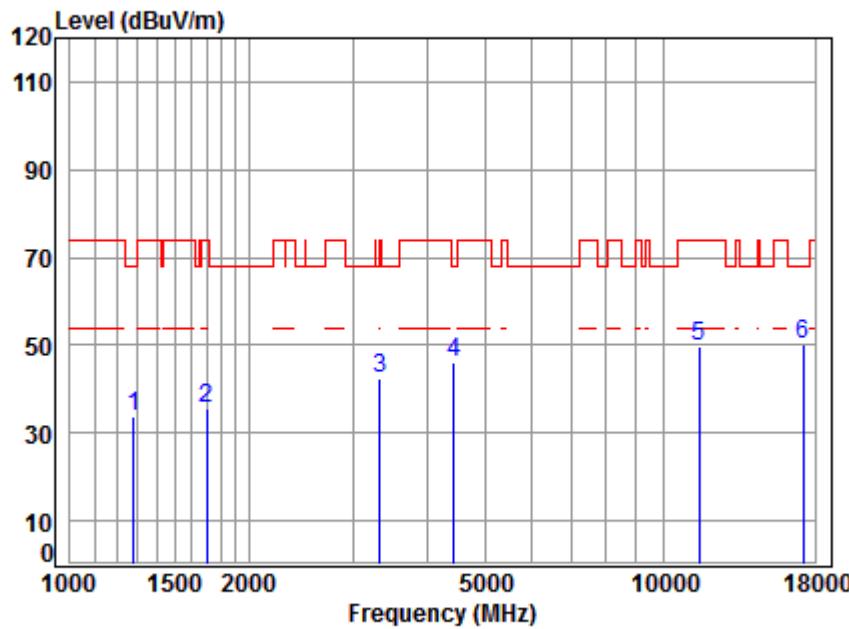
Job No : 03478CR

Mode : 5825 TX RSE

Note : 5G WIFI 11A

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1148.823	4.21	24.35	41.14	46.07	33.49	74.00	-40.51 peak
2	1648.778	5.29	26.46	41.50	44.97	35.22	68.20	-32.98 peak
3	3242.619	6.22	31.30	42.16	46.41	41.77	68.20	-26.43 peak
4	4316.859	7.36	33.28	42.38	47.39	45.65	74.00	-28.35 peak
5	11650.000	12.20	37.84	38.29	39.17	50.92	74.00	-23.08 peak
6	pp17475.000	15.65	42.89	40.68	32.73	50.59	68.20	-17.61 peak

Mode:f; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

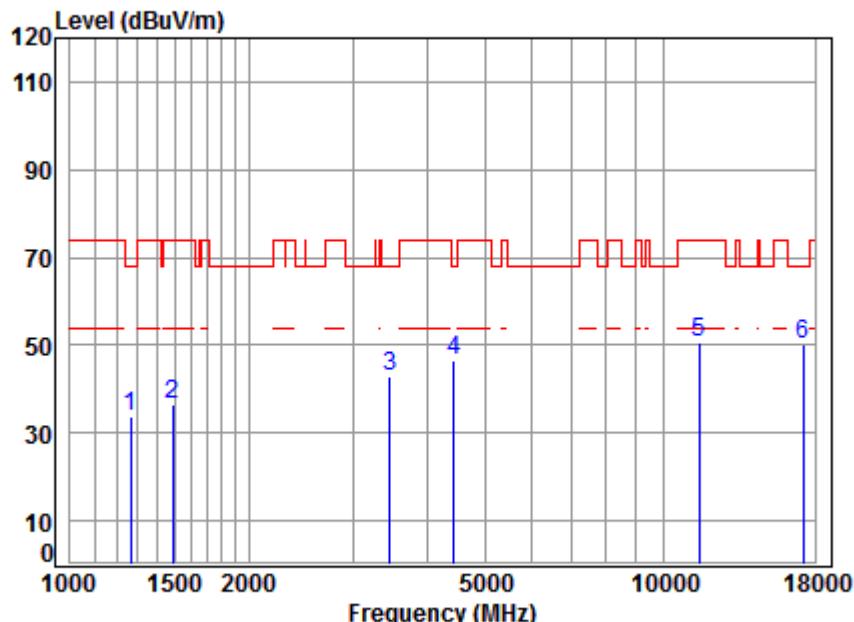
Job No : 03478CR

Mode : 5745 TX RSE

Note : 5G WIFI 11N20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1282.193	4.73	24.95	41.25	45.26	33.69	68.20	-34.51 peak
2	1702.042	5.23	26.68	41.53	45.16	35.54	74.00	-38.46 peak
3	3328.077	6.30	31.44	42.18	46.87	42.43	68.20	-25.77 peak
4	4443.453	7.50	33.50	42.41	47.39	45.98	68.20	-22.22 peak
5	11490.000	12.13	37.90	38.19	37.71	49.55	74.00	-24.45 peak
6	pp17235.000	16.18	42.74	40.48	31.63	50.07	68.20	-18.13 peak

Mode:f; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

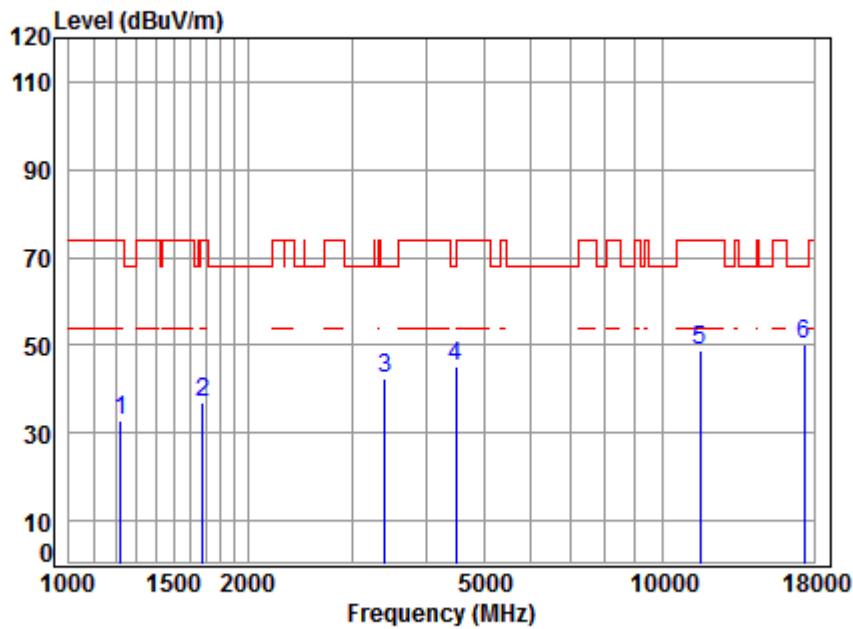
Job No : 03478CR

Mode : 5745 TX RSE

Note : 5G WIFI 11N20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1267.454	4.68	24.89	41.24	45.22	33.55	68.20	-34.65 peak
2	1490.142	5.45	25.76	41.40	46.69	36.50	74.00	-37.50 peak
3	3455.508	6.42	31.63	42.21	46.97	42.81	68.20	-25.39 peak
4	4430.628	7.48	33.48	42.41	47.92	46.47	68.20	-21.73 peak
5	11490.000	12.13	37.90	38.19	38.77	50.61	74.00	-23.39 peak
6	pp17235.000	16.18	42.74	40.48	31.65	50.09	68.20	-18.11 peak

Mode:f; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

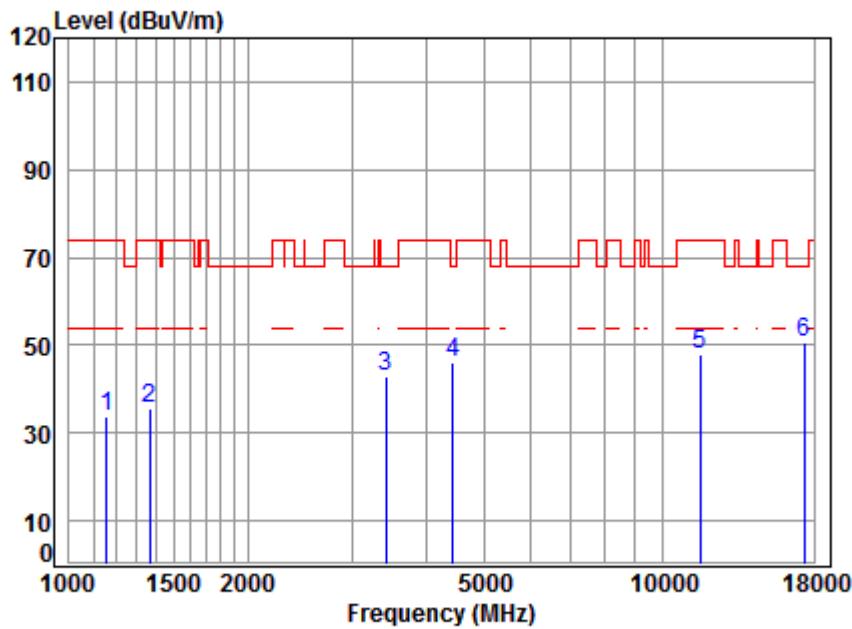
Job No : 03478CR

Mode : 5785 TX RSE

Note : 5G WIFI 11N20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1224.247	4.51	24.70	41.20	44.99	33.00	74.00	-41.00 peak
2	1682.477	5.25	26.60	41.52	46.49	36.82	74.00	-37.18 peak
3	3405.929	6.38	31.56	42.20	46.50	42.24	68.20	-25.96 peak
4	4482.150	7.54	33.57	42.41	46.52	45.22	68.20	-22.98 peak
5	11570.000	12.17	37.87	38.24	37.05	48.85	74.00	-25.15 peak
6	pp17355.000	15.92	42.81	40.58	32.24	50.39	68.20	-17.81 peak

Mode:f; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

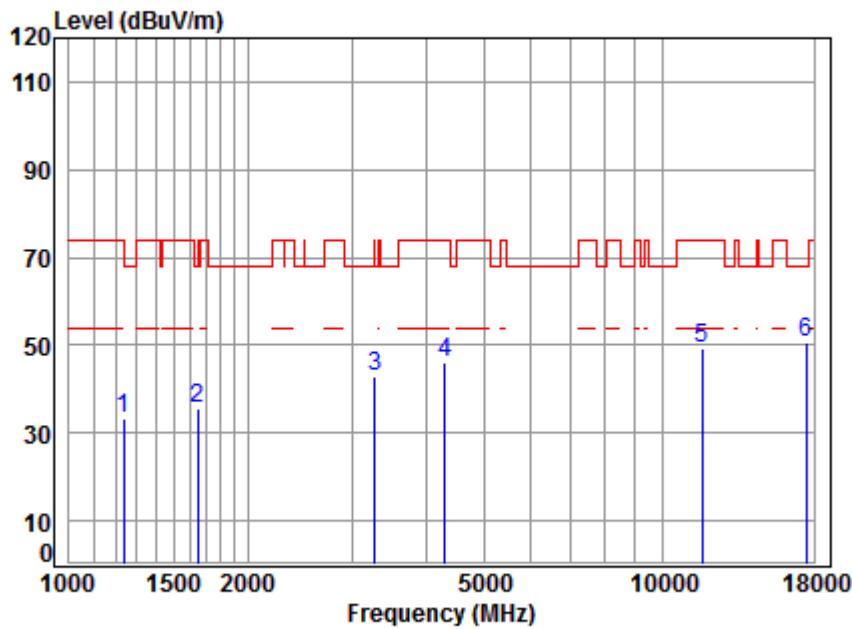
Job No : 03478CR

Mode : 5785 TX RSE

Note : 5G WIFI 11N20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1158.828	4.25	24.40	41.15	46.23	33.73	74.00	-40.27 peak
2	1366.374	5.04	25.29	41.31	46.67	35.69	74.00	-38.31 peak
3	3415.787	6.38	31.57	42.20	47.12	42.87	68.20	-25.33 peak
4	4430.628	7.48	33.48	42.41	47.42	45.97	68.20	-22.23 peak
5	11570.000	12.17	37.87	38.24	36.12	47.92	74.00	-26.08 peak
6	pp17355.000	15.92	42.81	40.58	32.65	50.80	68.20	-17.40 peak

Mode:f; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

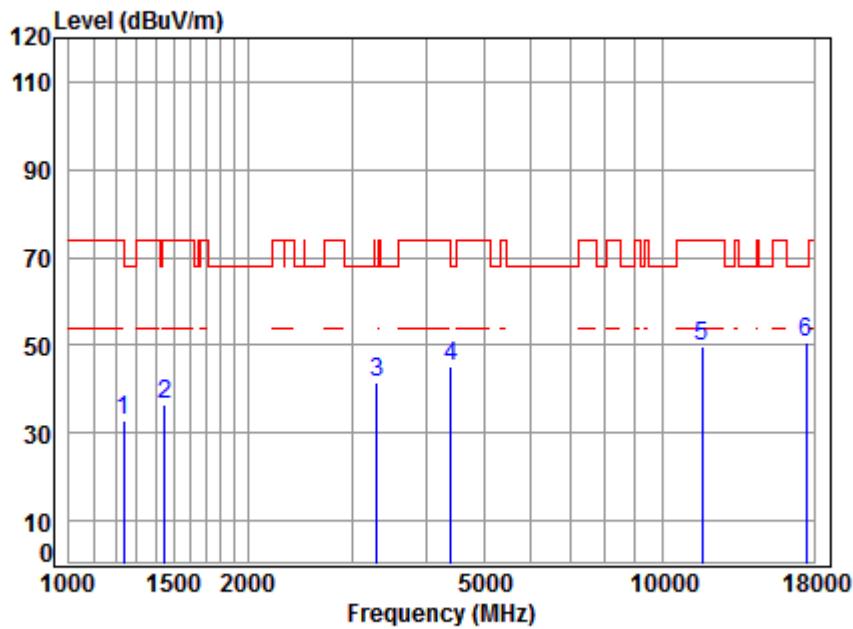
Job No : 03478CR

Mode : 5825 TX RSE

Note : 5G WIFI 11N20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Remark
1	1238.483	4.57	24.76	41.21	44.98	33.10	74.00	-40.90	peak
2	1648.778	5.29	26.46	41.50	45.23	35.48	68.20	-32.72	peak
3	3280.326	6.26	31.36	42.17	47.35	42.80	68.20	-25.40	peak
4	4304.400	7.34	33.26	42.38	47.79	46.01	74.00	-27.99	peak
5	11650.000	12.20	37.84	38.29	37.60	49.35	74.00	-24.65	peak
6	pp17475.000	15.65	42.89	40.68	32.57	50.43	68.20	-17.77	peak

Mode:f; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

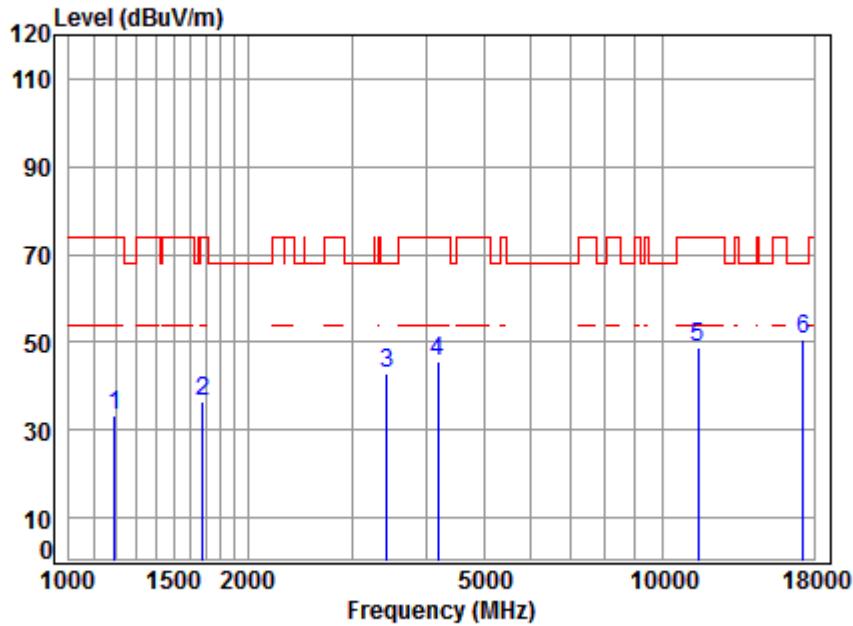
Job No : 03478CR

Mode : 5825 TX RSE

Note : 5G WIFI 11N20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1238.483	4.57	24.76	41.21	44.82	32.94	74.00	-41.06 peak
2	1451.878	5.32	25.62	41.37	46.80	36.37	74.00	-37.63 peak
3	3299.344	6.28	31.39	42.17	46.17	41.67	68.20	-26.53 peak
4	4405.090	7.46	33.44	42.40	46.88	45.38	68.20	-22.82 peak
5	11650.000	12.20	37.84	38.29	38.07	49.82	74.00	-24.18 peak
6	pp17475.000	15.65	42.89	40.68	32.84	50.70	68.20	-17.50 peak

Mode:f; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

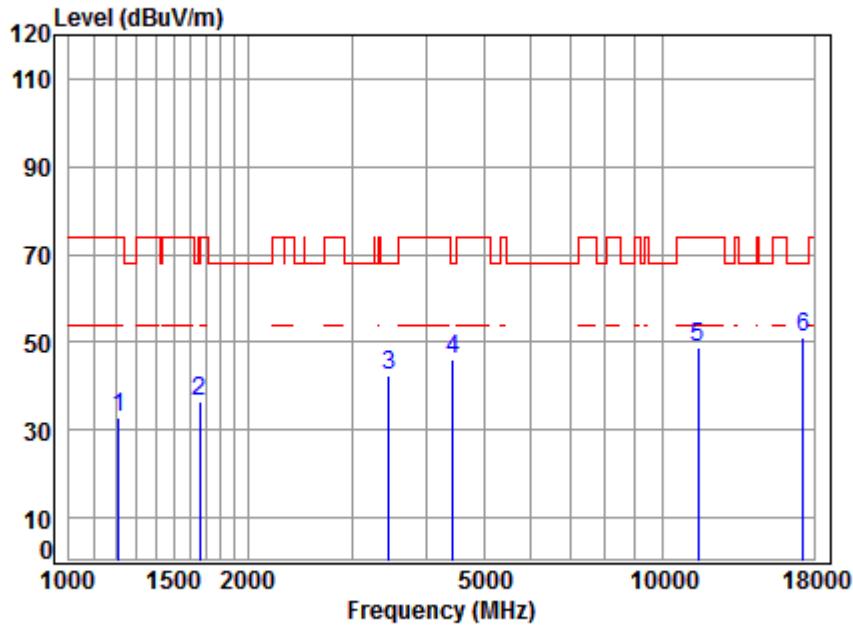
Job No : 03478CR

Mode : 5755 TX RSE

Note : 5G WIFI 11N40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1192.811	4.39	24.56	41.18	45.36	33.13	74.00	-40.87 peak
2	1677.621	5.25	26.58	41.52	46.13	36.44	74.00	-37.56 peak
3	3435.590	6.40	31.60	42.21	46.92	42.71	68.20	-25.49 peak
4	4181.768	7.20	33.04	42.36	47.87	45.75	74.00	-28.25 peak
5	11510.000	12.14	37.90	38.20	37.20	49.04	74.00	-24.96 peak
6	pp17265.000	16.12	42.76	40.51	32.40	50.77	68.20	-17.43 peak

Mode:f; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

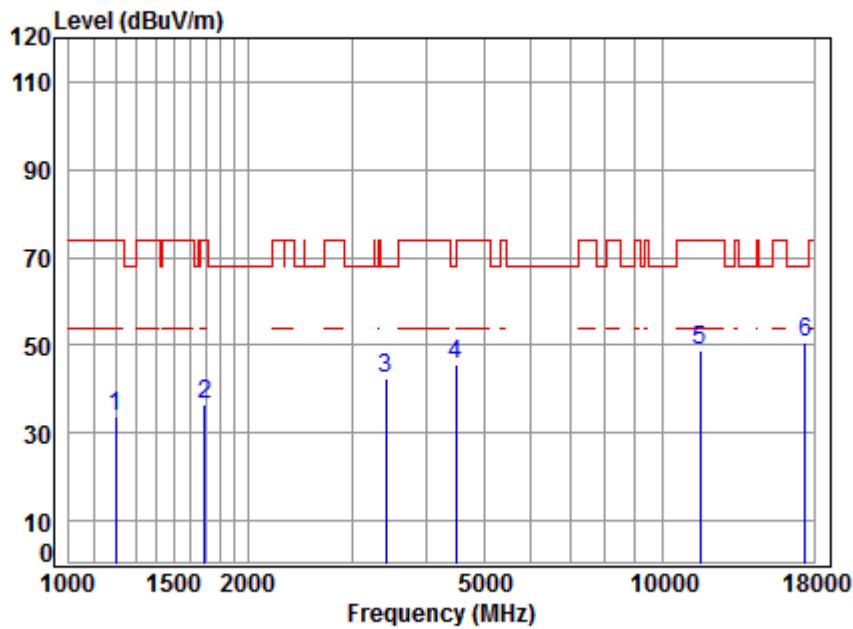
Job No : 03478CR

Mode : 5755 TX RSE

Note : 5G WIFI 11N40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1210.174	4.46	24.64	41.19	44.92	32.83	74.00	-41.17 peak
2	1658.337	5.28	26.50	41.51	46.32	36.59	68.20	-31.61 peak
3	3465.510	6.43	31.65	42.21	46.45	42.32	68.20	-25.88 peak
4	4430.628	7.48	33.48	42.41	47.53	46.08	68.20	-22.12 peak
5	11510.000	12.14	37.90	38.20	37.11	48.95	74.00	-25.05 peak
6	pp17265.000	16.12	42.76	40.51	32.52	50.89	68.20	-17.31 peak

Mode:f; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

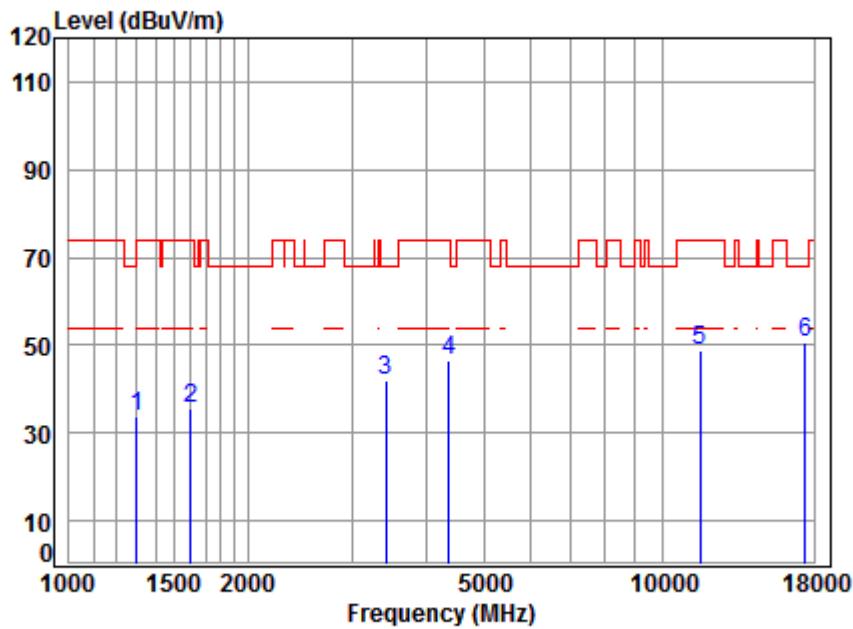
Job No : 03478CR

Mode : 5795 TX RSE

Note : 5G WIFI 11N40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Remark
1	1196.264	4.40	24.57	41.18	45.78	33.57	74.00	-40.43	peak
2	1692.231	5.24	26.64	41.53	46.13	36.48	74.00	-37.52	peak
3	3415.787	6.38	31.57	42.20	46.82	42.57	68.20	-25.63	peak
4	4495.125	7.55	33.59	42.42	46.90	45.62	68.20	-22.58	peak
5	11590.000	12.17	37.86	38.25	37.10	48.88	74.00	-25.12	peak
6	pp17385.000	15.85	42.83	40.60	32.38	50.46	68.20	-17.74	peak

Mode:f; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

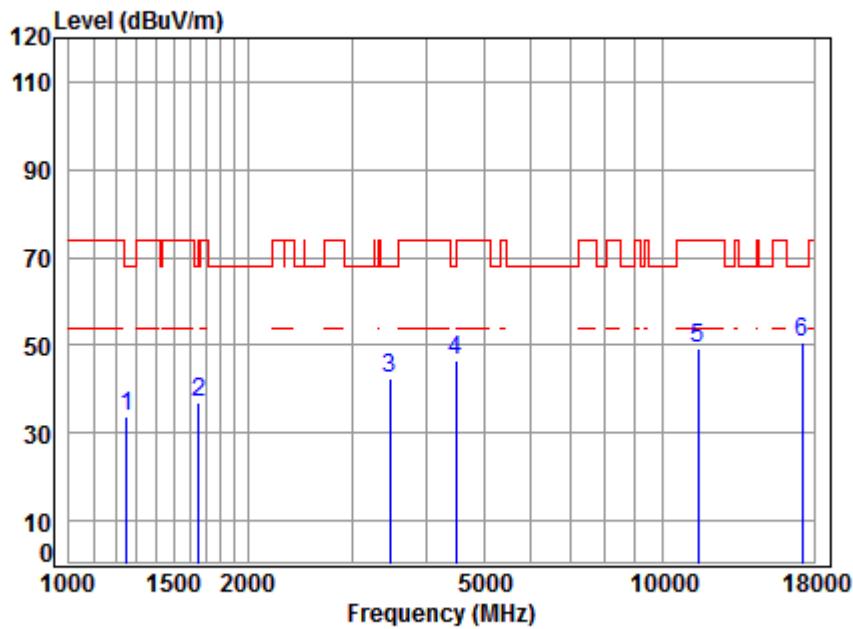
Job No : 03478CR

Mode : 5795 TX RSE

Note : 5G WIFI 11N40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1300.858	4.80	25.03	41.26	45.04	33.61	74.00	-40.39 peak
2	1601.804	5.35	26.26	41.47	45.39	35.53	74.00	-38.47 peak
3	3415.787	6.38	31.57	42.20	46.24	41.99	68.20	-26.21 peak
4	4367.058	7.41	33.37	42.39	48.06	46.45	74.00	-27.55 peak
5	11590.000	12.17	37.86	38.25	36.90	48.68	74.00	-25.32 peak
6	pp17385.000	15.85	42.83	40.60	32.50	50.58	68.20	-17.62 peak

Mode:f; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

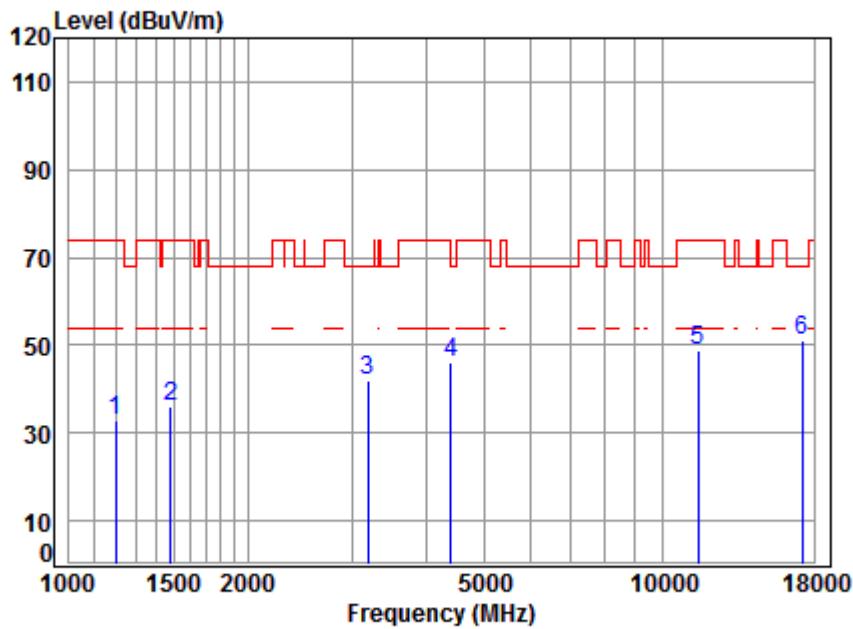
Job No : 03478CR

Mode : 5745 TX RSE

Note : 5G WIFI 11AC20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1252.885	4.62	24.82	41.23	45.56	33.77	68.20	-34.43 peak
2	1653.550	5.28	26.48	41.50	46.59	36.85	68.20	-31.35 peak
3	3475.541	6.44	31.66	42.22	46.39	42.27	68.20	-25.93 peak
4	4482.150	7.54	33.57	42.41	47.72	46.42	68.20	-21.78 peak
5	11490.000	12.13	37.90	38.19	37.25	49.09	74.00	-24.91 peak
6	pp17235.000	16.18	42.74	40.48	32.37	50.81	68.20	-17.39 peak

Mode:f; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

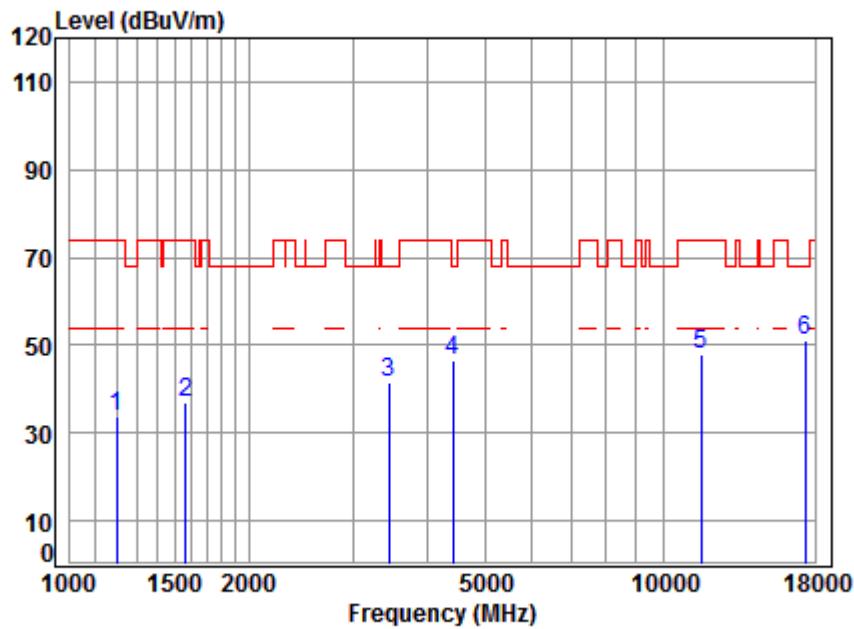
Job No : 03478CR

Mode : 5745 TX RSE

Note : 5G WIFI 11AC20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1196.264	4.40	24.57	41.18	45.21	33.00	74.00	-41.00 peak
2	1485.841	5.43	25.75	41.40	46.48	36.26	74.00	-37.74 peak
3	3186.869	6.17	31.21	42.15	46.54	41.77	68.20	-26.43 peak
4	4405.090	7.46	33.44	42.40	47.58	46.08	68.20	-22.12 peak
5	11490.000	12.13	37.90	38.19	36.88	48.72	74.00	-25.28 peak
6	pp17235.000	16.18	42.74	40.48	32.45	50.89	68.20	-17.31 peak

Mode:f; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

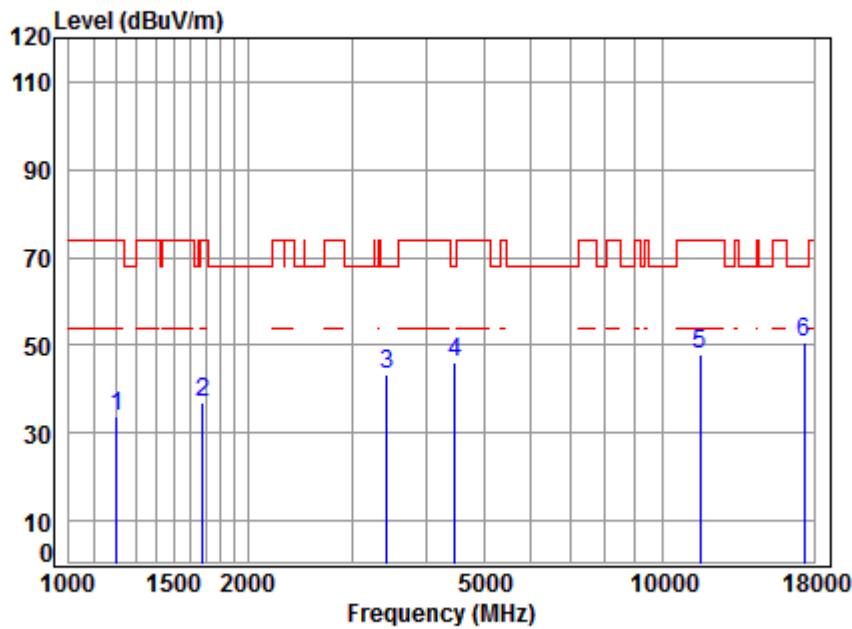
Job No : 03478CR

Mode : 5785 TX RSE

Note : 5G WIFI 11AC20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1196.264	4.40	24.57	41.18	45.83	33.62	74.00	-40.38 peak
2	1569.721	5.39	26.12	41.45	46.67	36.73	74.00	-37.27 peak
3	3445.535	6.41	31.62	42.21	45.92	41.74	68.20	-26.46 peak
4	4417.841	7.47	33.46	42.40	47.98	46.51	68.20	-21.69 peak
5	11570.000	12.17	37.87	38.24	36.27	48.07	74.00	-25.93 peak
6	pp17355.000	15.92	42.81	40.58	32.74	50.89	68.20	-17.31 peak

Mode:f; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

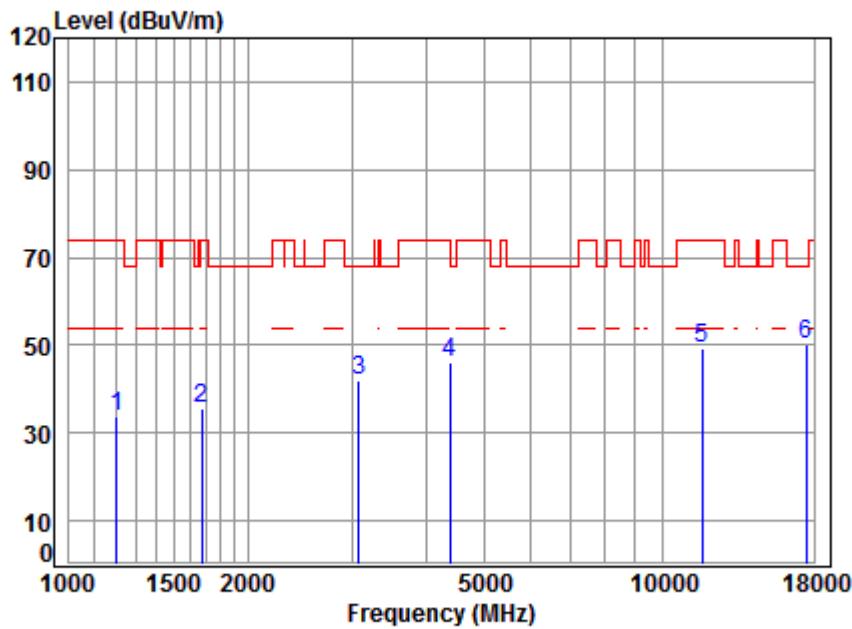
Job No : 03478CR

Mode : 5785 TX RSE

Note : 5G WIFI 11AC20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1203.199	4.43	24.60	41.19	46.06	33.90	74.00	-40.10 peak
2	1682.477	5.25	26.60	41.52	46.70	37.03	74.00	-36.97 peak
3	3435.590	6.40	31.60	42.21	47.37	43.16	68.20	-25.04 peak
4	4469.214	7.53	33.55	42.41	47.33	46.00	68.20	-22.20 peak
5	11570.000	12.17	37.87	38.24	35.96	47.76	74.00	-26.24 peak
6	pp17355.000	15.92	42.81	40.58	32.51	50.66	68.20	-17.54 peak

Mode:f; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

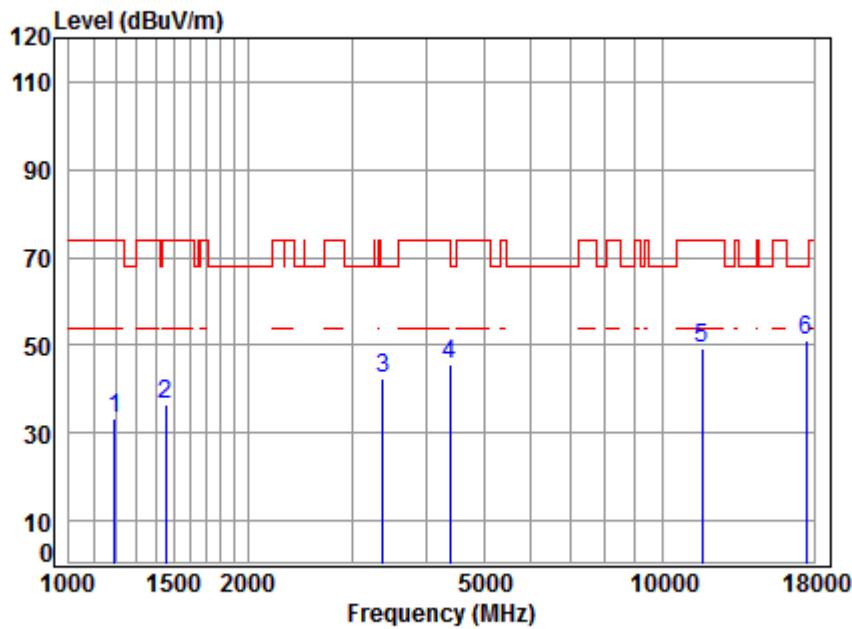
Job No : 03478CR

Mode : 5825 TX RSE

Note : 5G WIFI 11AC20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Remark
1	1203.199	4.43	24.60	41.19	45.98	33.82	74.00	-40.18	peak
2	1672.779	5.26	26.56	41.52	45.19	35.49	74.00	-38.51	peak
3	3078.229	6.06	31.03	42.12	46.98	41.95	68.20	-26.25	peak
4	4379.699	7.43	33.39	42.40	47.70	46.12	74.00	-27.88	peak
5	11650.000	12.20	37.84	38.29	37.62	49.37	74.00	-24.63	peak
6	pp17475.000	15.65	42.89	40.68	32.52	50.38	68.20	-17.82	peak

Mode:f; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

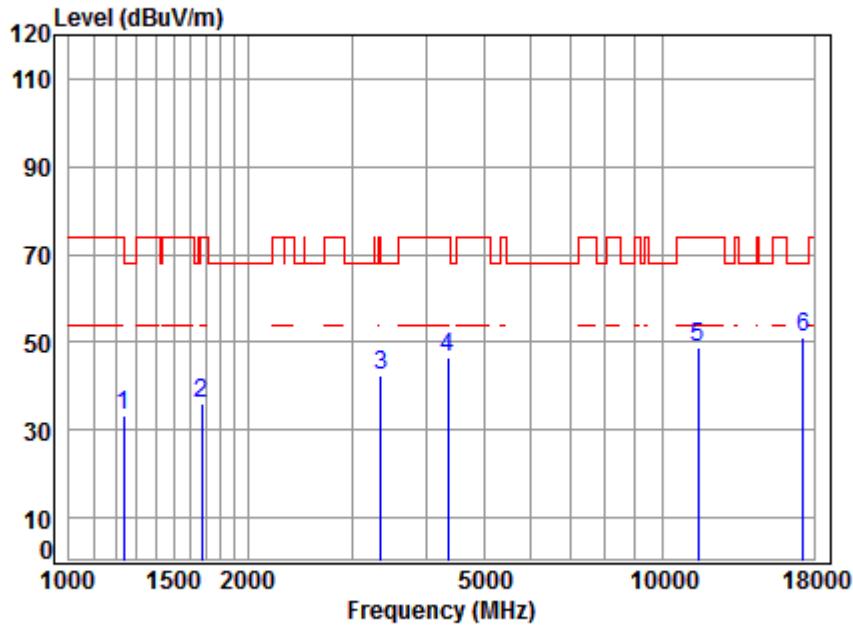
Job No : 03478CR

Mode : 5825 TX RSE

Note : 5G WIFI 11AC20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Over Remark
1	1192.811	4.39	24.56	41.18	45.47	33.24	74.00	-40.76	peak
2	1456.081	5.34	25.64	41.38	46.68	36.28	74.00	-37.72	peak
3	3386.297	6.36	31.53	42.19	46.51	42.21	68.20	-25.99	peak
4	4379.699	7.43	33.39	42.40	47.23	45.65	74.00	-28.35	peak
5	11650.000	12.20	37.84	38.29	37.75	49.50	74.00	-24.50	peak
6	pp17475.000	15.65	42.89	40.68	33.02	50.88	68.20	-17.32	peak

Mode:f; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

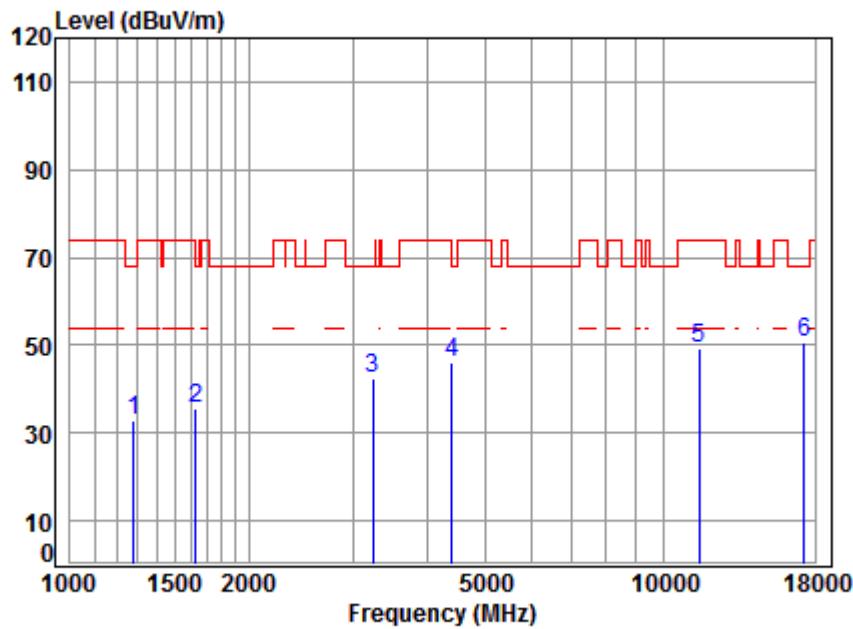
Job No : 03478CR

Mode : 5755 TX RSE

Note : 5G WIFI 11AC40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1238.483	4.57	24.76	41.21	45.31	33.43	74.00	-40.57 peak
2	1672.779	5.26	26.56	41.52	45.92	36.22	74.00	-37.78 peak
3	3357.061	6.33	31.48	42.19	47.03	42.65	74.00	-31.35 peak
4	4354.454	7.40	33.35	42.39	48.17	46.53	74.00	-27.47 peak
5	11510.000	12.14	37.90	38.20	37.13	48.97	74.00	-25.03 peak
6	pp17265.000	16.12	42.76	40.51	32.74	51.11	68.20	-17.09 peak

Mode:f; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

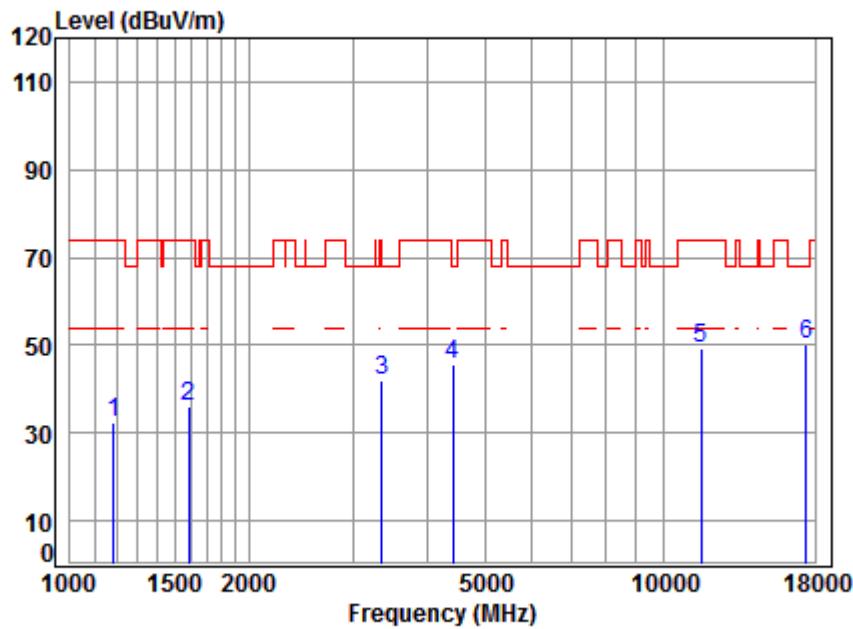
Job No : 03478CR

Mode : 5755 TX RSE

Note : 5G WIFI 11AC40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1282.193	4.73	24.95	41.25	44.49	32.92	68.20	-35.28 peak
2	1629.825	5.31	26.38	41.49	45.44	35.64	68.20	-32.56 peak
3	3233.260	6.21	31.29	42.16	47.16	42.50	68.20	-25.70 peak
4	4405.090	7.46	33.44	42.40	47.62	46.12	68.20	-22.08 peak
5	11510.000	12.14	37.90	38.20	37.44	49.28	74.00	-24.72 peak
6	pp17265.000	16.12	42.76	40.51	32.19	50.56	68.20	-17.64 peak

Mode:f; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

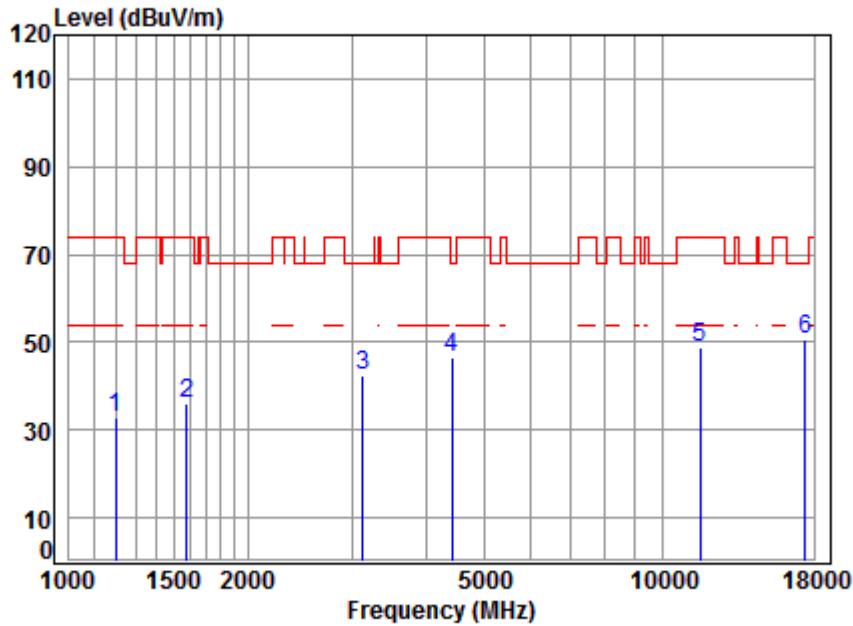
Job No : 03478CR

Mode : 5795 TX RSE

Note : 5G WIFI 11AC40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Remark
1	1185.936	4.36	24.53	41.17	44.87	32.59	74.00	-41.41	peak
2	1587.975	5.37	26.20	41.46	45.84	35.95	74.00	-38.05	peak
3	3357.061	6.33	31.48	42.19	46.51	42.13	74.00	-31.87	peak
4	4417.841	7.47	33.46	42.40	47.07	45.60	68.20	-22.60	peak
5	11590.000	12.17	37.86	38.25	37.68	49.46	74.00	-24.54	peak
6	pp17385.000	15.85	42.83	40.60	32.24	50.32	68.20	-17.88	peak

Mode:f; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

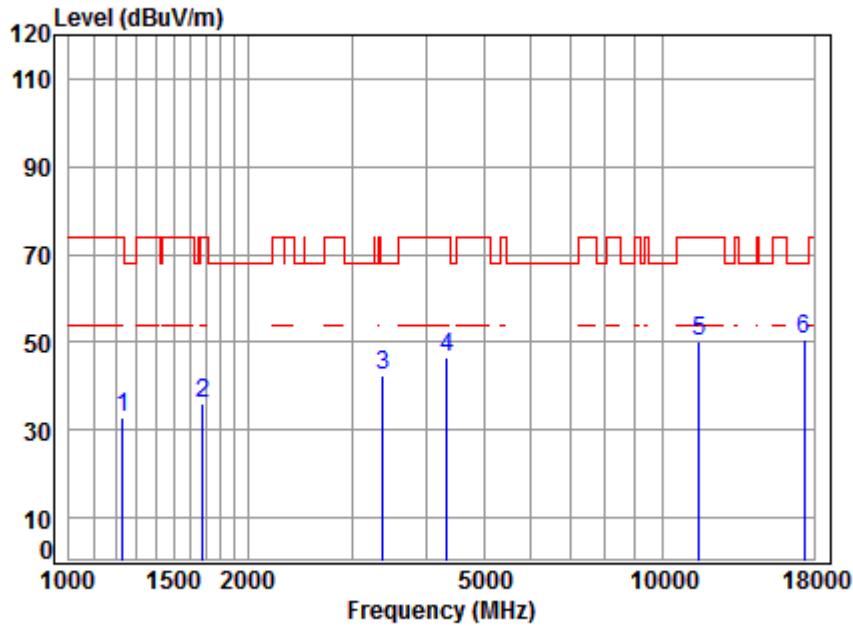
Job No : 03478CR

Mode : 5795 TX RSE

Note : 5G WIFI 11AC40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1196.264	4.40	24.57	41.18	44.90	32.69	74.00	-41.31 peak
2	1578.822	5.38	26.16	41.46	45.84	35.92	74.00	-38.08 peak
3	3123.039	6.11	31.11	42.13	47.20	42.29	68.20	-25.91 peak
4	4417.841	7.47	33.46	42.40	48.10	46.63	68.20	-21.57 peak
5	11590.000	12.17	37.86	38.25	37.22	49.00	74.00	-25.00 peak
6	pp17385.000	15.85	42.83	40.60	32.34	50.42	68.20	-17.78 peak

Mode:f; Polarization:Horizontal; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

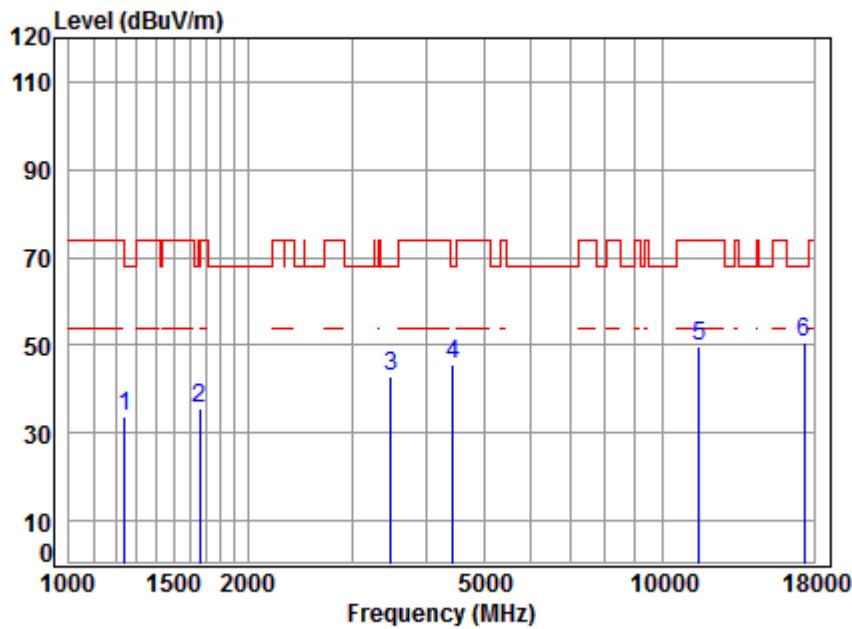
Job No : 03478CR

Mode : 5775 TX RSE

Note : 5G WIFI 11AC80

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1231.345	4.54	24.73	41.21	44.73	32.79	74.00	-41.21 peak
2	1677.621	5.25	26.58	41.52	45.65	35.96	74.00	-38.04 peak
3	3376.523	6.35	31.51	42.19	46.59	42.26	68.20	-25.94 peak
4	4341.886	7.38	33.33	42.39	48.17	46.49	74.00	-27.51 peak
5	11550.000	12.16	37.88	38.23	38.59	50.40	74.00	-23.60 peak
6	pp17325.000	15.98	42.80	40.55	32.30	50.53	68.20	-17.67 peak

Mode:f; Polarization:Vertical; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 03478CR

Mode : 5775 TX RSE

Note : 5G WIFI 11AC80

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		MHz	Loss	Factor	Level	Level	Line	
1	1242.068	4.58	24.78	41.22	45.41	33.55	68.20	-34.65 peak
2	1663.137	5.27	26.52	41.51	45.33	35.61	74.00	-38.39 peak
3	3485.601	6.45	31.68	42.22	47.05	42.96	68.20	-25.24 peak
4	4430.628	7.48	33.48	42.41	46.87	45.42	68.20	-22.78 peak
5	11550.000	12.16	37.88	38.23	37.97	49.78	74.00	-24.22 peak
6	pp17325.000	15.98	42.80	40.55	32.44	50.67	68.20	-17.53 peak

## 7.7 Radiated Emissions which fall in the restricted bands

Test Requirement 47 CFR Part 15, Subpart C 15.209 &amp; 15.407(b)

Test Method: KDB 789033 D02 II G

Measurement Distance: 3m

Limit:

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

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

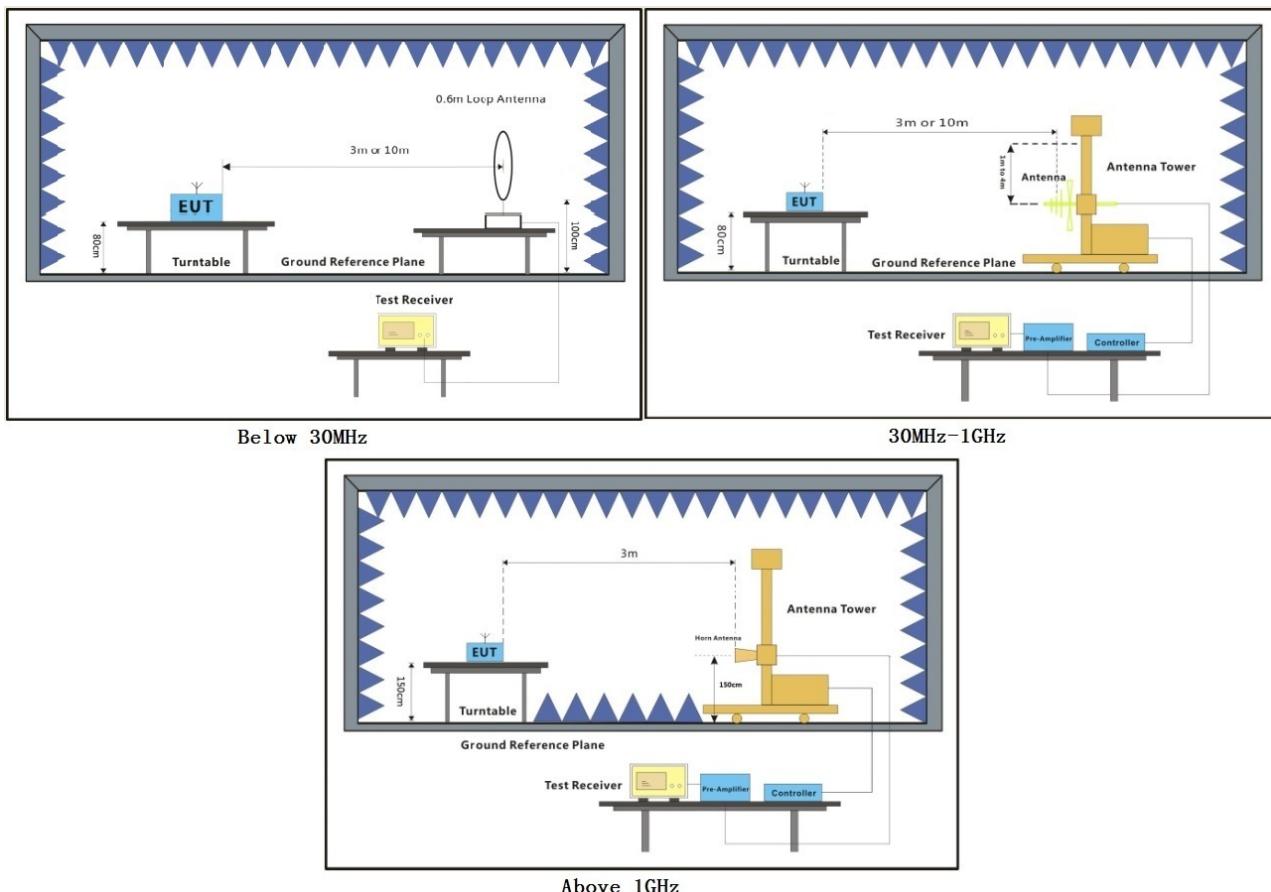
### 7.7.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C Humidity: 56.7 % RH Atmospheric Pressure: 1010 mbar

Test mode: c:TX mode (Band 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.

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

**7.7.2 Test Setup Diagram**

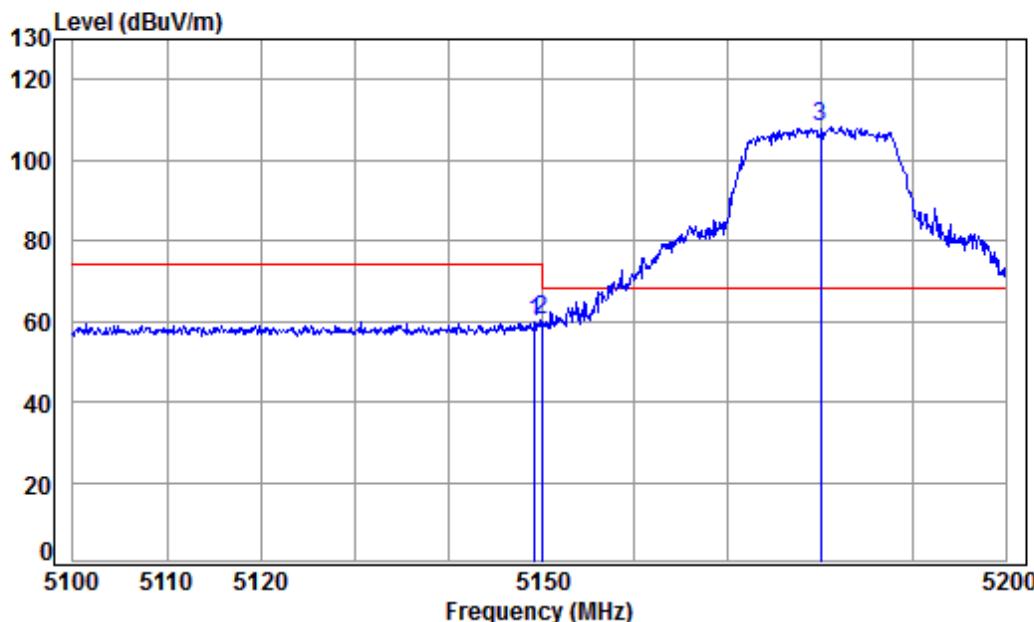
### **7.7.3 Measurement Procedure and Data**

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

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

Antenna1:

Mode:c; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:Low



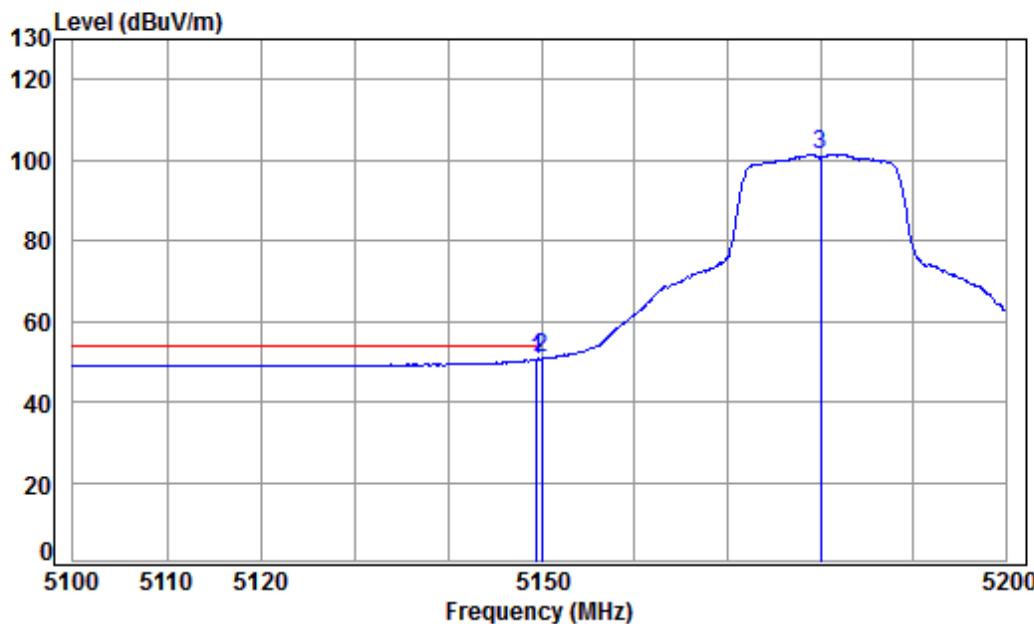
Condition: 3m HORIZONTAL

Job No : 03478CR

Mode : 5180 Band edge  
: 5G WIFI 11A

	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	dB	
1	5149.257	8.32	34.32	42.36	59.56	59.84	74.00	-14.16	peak
2	5149.980	8.33	34.32	42.36	59.83	60.12	74.00	-13.88	peak
3 pp	5180.000	8.37	34.35	42.33	107.75	108.14	68.20	39.94	peak

Mode:c; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:Low



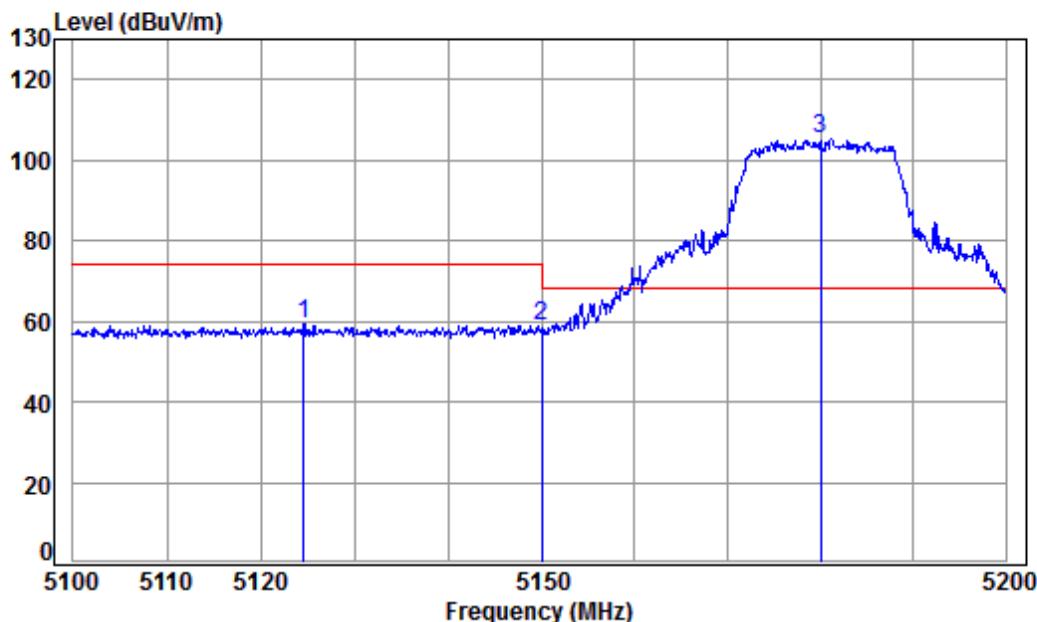
Condition: 3m HORIZONTAL

Job No : 03478CR

Mode : 5180 Band edge  
: 5G WIFI 11A

	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	dB
1	5149.458	8.32	34.32	42.36	50.25	50.53	54.00	-3.47	Average
2 pp	5149.980	8.33	34.32	42.36	50.48	50.77	54.00	-3.23	Average
3	5180.000	8.37	34.35	42.33	101.11	101.50	-----	-----	Average

Mode:c; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:Low



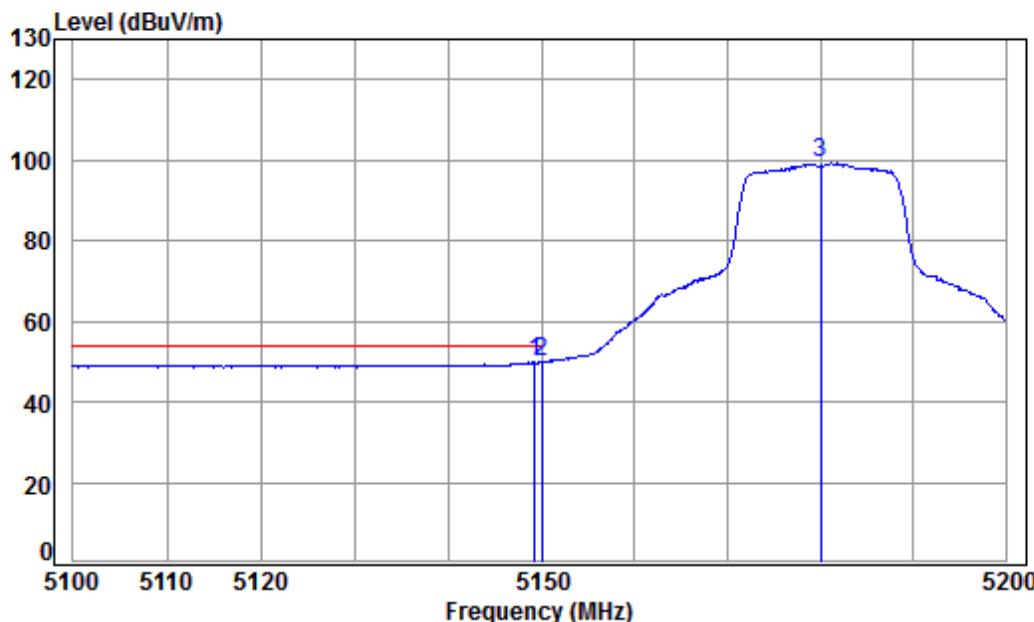
Condition: 3m VERTICAL

Job No : 03478CR

Mode : 5180 Band edge  
: 5G WIFI 11A

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5124.619	8.29	34.30	42.38	59.20	59.41	74.00	-14.59 Peak
2	5149.980	8.33	34.32	42.36	58.69	58.98	74.00	-15.02 Peak
3 pp	5180.000	8.37	34.35	42.33	104.85	105.24	68.20	37.04 Peak

Mode:c; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:Low



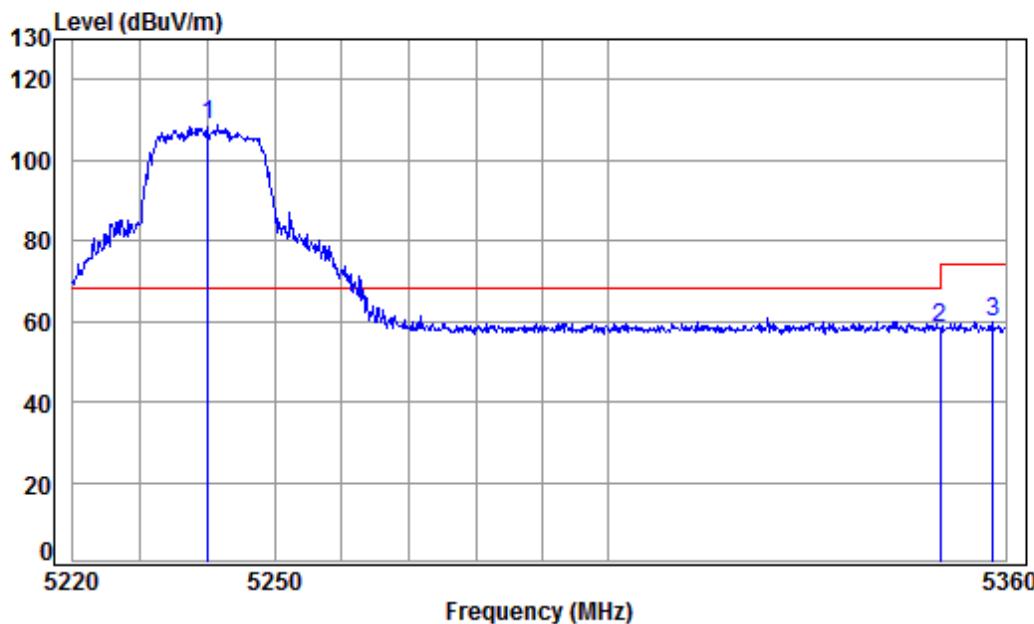
Condition: 3m VERTICAL

Job No : 03478CR

Mode : 5180 Band edge  
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Line	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.257	8.32	34.32	42.36	49.44	49.72	54.00	-4.28	Average
2 pp	5149.980	8.33	34.32	42.36	49.50	49.79	54.00	-4.21	Average
3	5180.000	8.37	34.35	42.33	98.81	99.20	-----	-----	Average

Mode:c; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:High



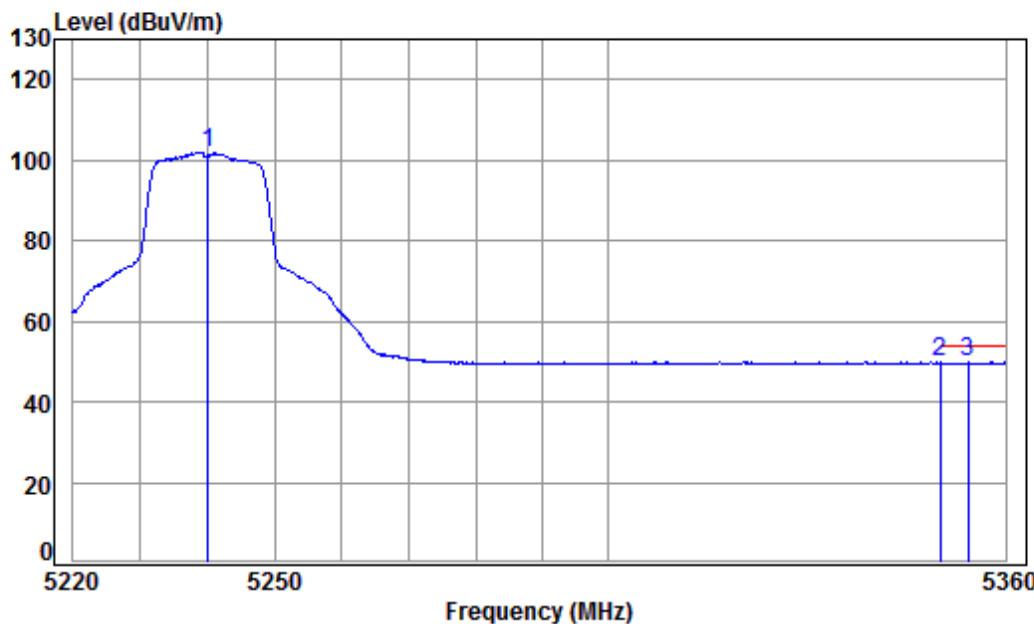
Condition: 3m HORIZONTAL

Job No : 03478CR

Mode : 5240 Band edge  
: 5G WIFI 11A

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5240.000	8.46	34.40	42.27	107.99	108.58	68.20	40.38 peak
2		5350.020	8.63	34.48	42.17	57.25	58.19	74.00	-15.81 peak
3		5358.014	8.64	34.49	42.16	59.04	60.01	74.00	-13.99 peak

Mode:c; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:High



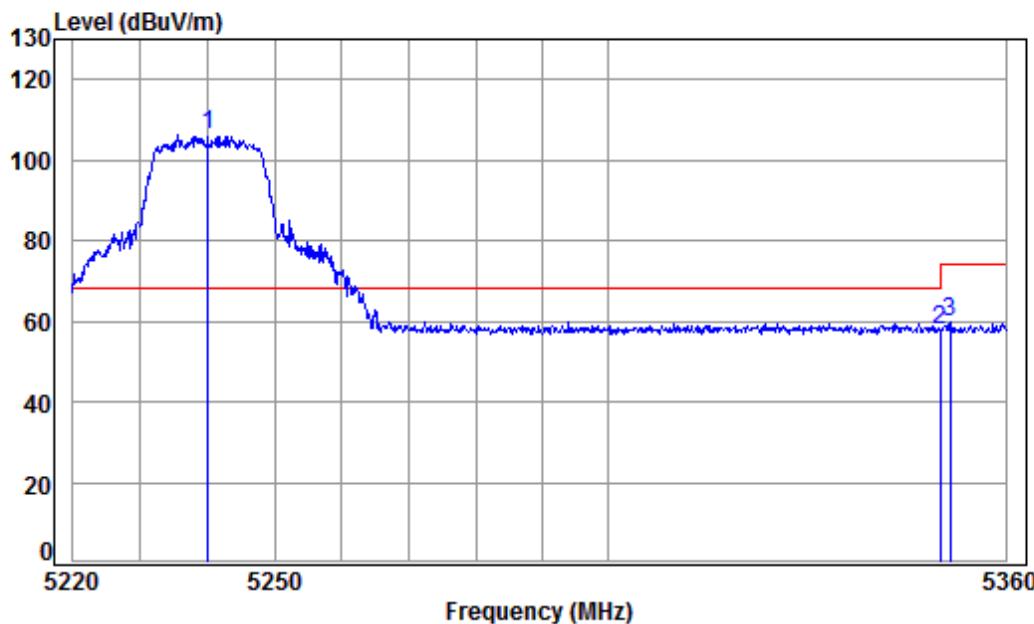
Condition: 3m HORIZONTAL

Job No : 03478CR

Mode : 5240 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	5240.000	8.46	34.40	42.27	101.35	101.94	-----	-----	Average
2 pp	5350.020	8.63	34.48	42.17	48.81	49.75	54.00	-4.25	Average
3	5354.329	8.64	34.49	42.16	48.77	49.74	54.00	-4.26	Average

Mode:c; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:High



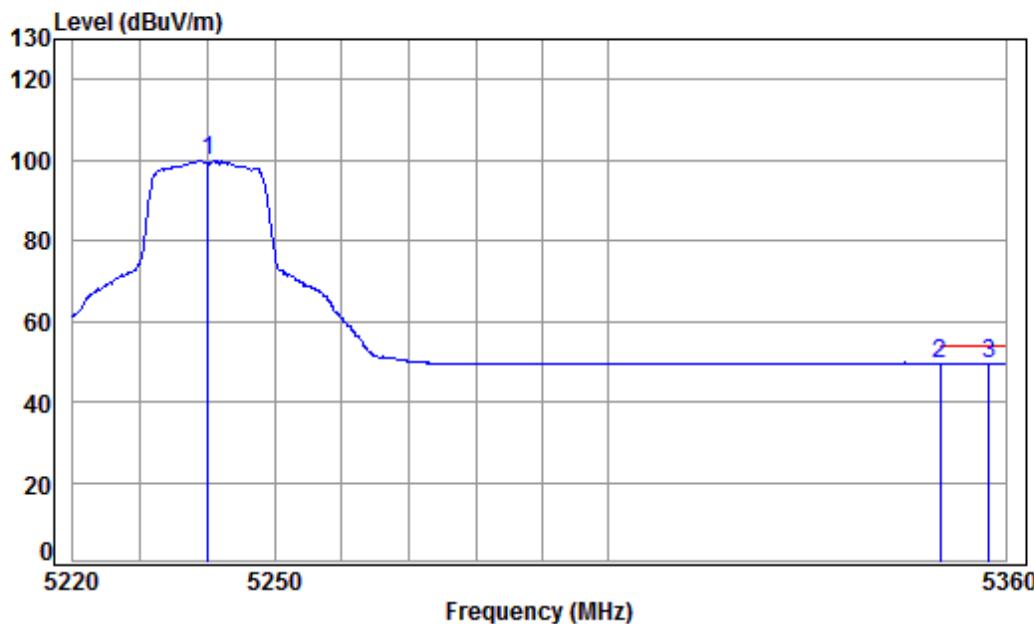
Condition: 3m VERTICAL

Job No : 03478CR

Mode : 5240 Band edge  
: 5G WIFI 11A

	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	dB
1	pp 5240.000	8.46	34.40	42.27	105.63	106.22	68.20	38.02	Peak
2	5350.020	8.63	34.48	42.17	56.99	57.93	74.00	-16.07	Peak
3	5351.495	8.63	34.49	42.17	58.84	59.79	74.00	-14.21	Peak

Mode:c; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:High



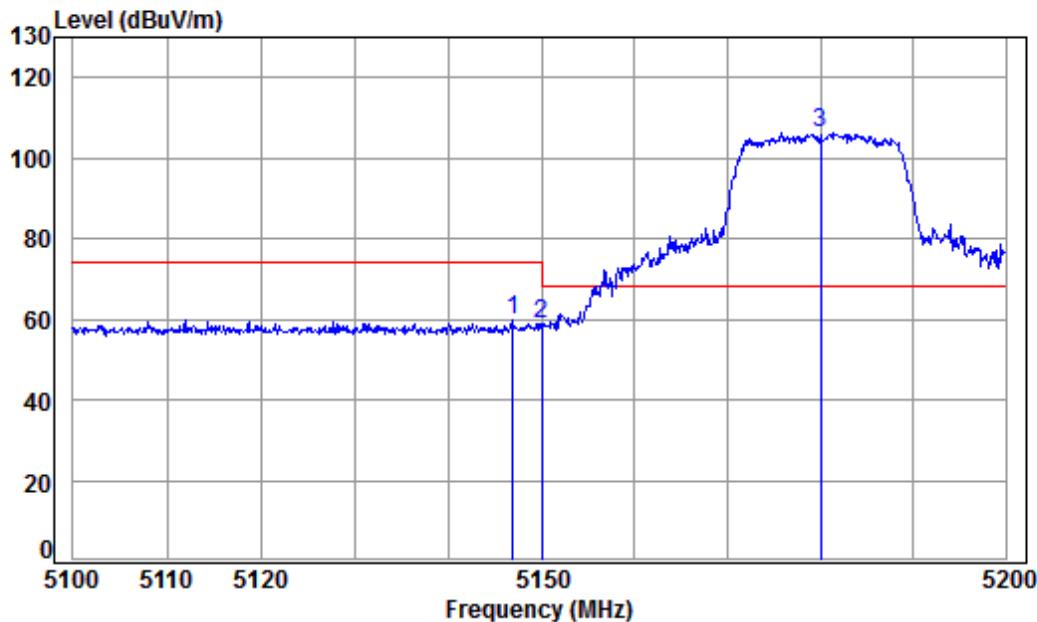
Condition: 3m VERTICAL

Job No : 03478CR

Mode : 5240 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	5240.000	8.46	34.40	42.27	99.31	99.90	-----	-----	Average
2	5350.020	8.63	34.48	42.17	48.64	49.58	54.00	-4.42	Average
3 pp	5357.447	8.64	34.49	42.16	48.68	49.65	54.00	-4.35	Average

Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:Low



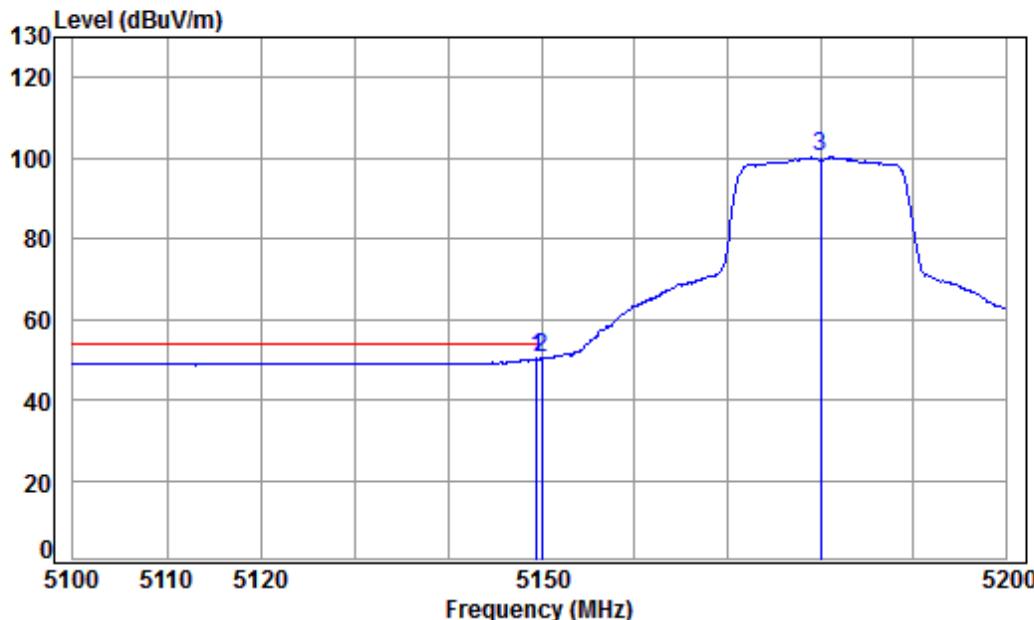
Condition: 3m HORIZONTAL

Job No : 03478CR

Mode : 5180 Band edge  
: 5G WIFI 11N20

	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	dB	
1	5146.958	8.32	34.32	42.36	59.72	60.00	74.00	-14.00	peak
2	5149.980	8.33	34.32	42.36	58.63	58.92	74.00	-15.08	peak
3 pp	5180.000	8.37	34.35	42.33	105.73	106.12	68.20	37.92	peak

Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:Low



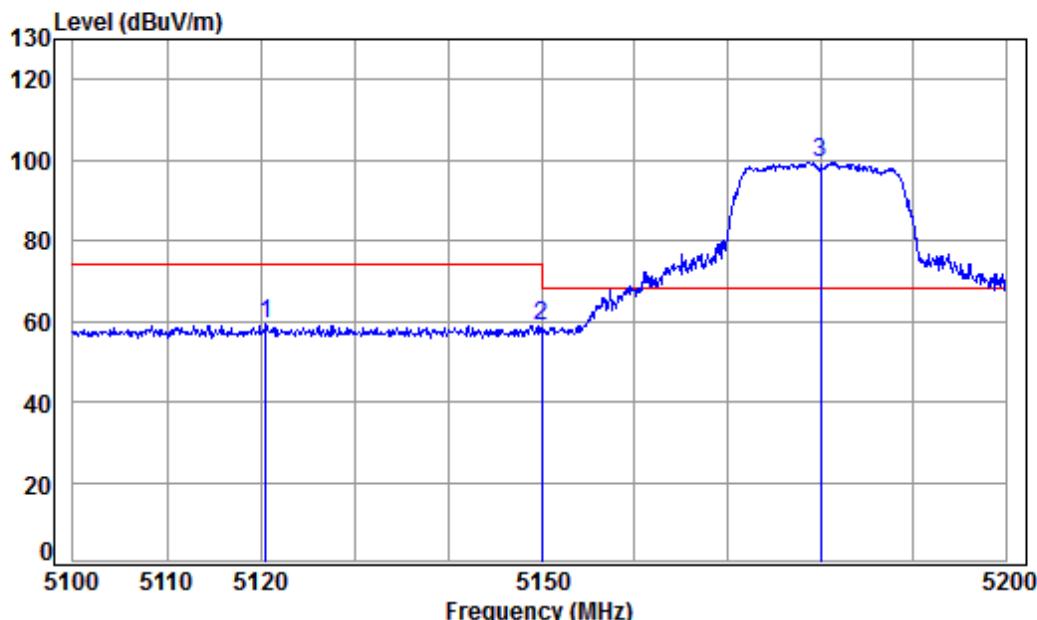
Condition: 3m HORIZONTAL

Job No : 03478CR

Mode : 5180 Band edge  
: 5G WIFI 11N20

	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	dB	
1	5149.458	8.32	34.32	42.36	49.92	50.20	54.00	-3.80	Average
2 pp	5149.980	8.33	34.32	42.36	49.94	50.23	54.00	-3.77	Average
3	5180.000	8.37	34.35	42.33	99.80	100.19	-----	-----	Average

Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:Low



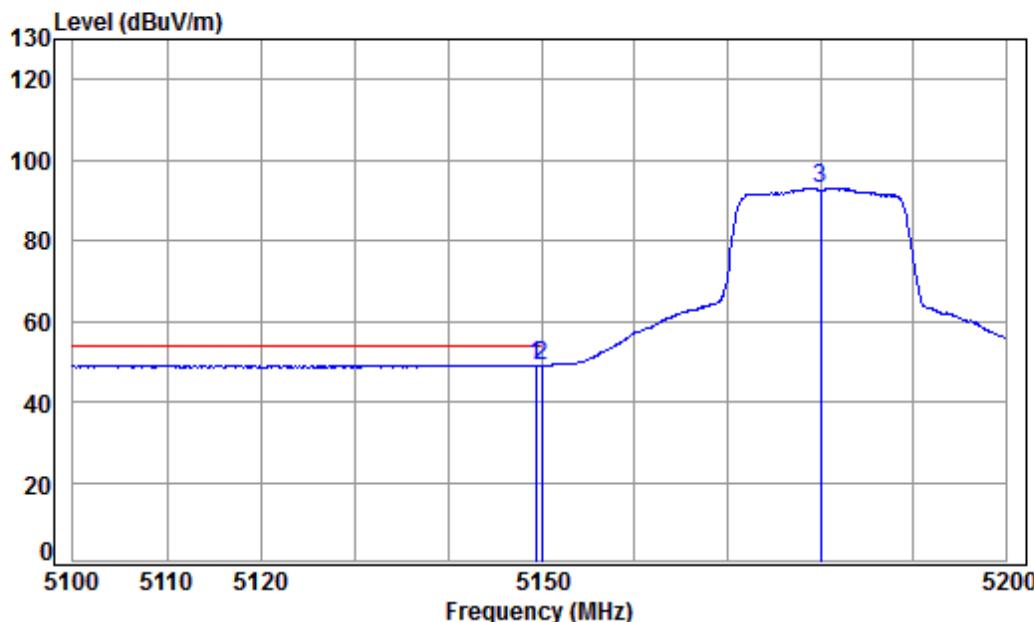
Condition: 3m VERTICAL

Job No : 03478CR

Mode : 5180 Band edge  
: 5G WIFI 11N20

	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	dB	
1	5120.541	8.28	34.30	42.38	59.32	59.52	74.00	-14.48	peak
2	5149.980	8.33	34.32	42.36	58.52	58.81	74.00	-15.19	peak
3 pp	5180.000	8.37	34.35	42.33	99.09	99.48	68.20	31.28	peak

Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:Low



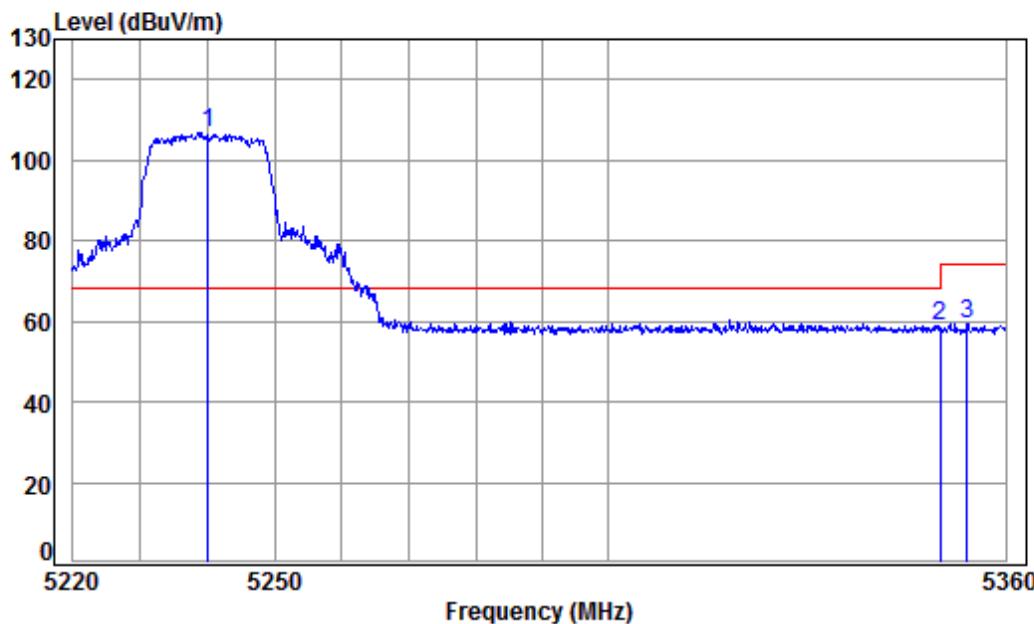
Condition: 3m VERTICAL

Job No : 03478CR

Mode : 5180 Band edge  
: 5G WIFI 11N20

	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	dB	
1	5149.357	8.32	34.32	42.36	48.76	49.04	54.00	-4.96	Average
2 pp	5149.980	8.33	34.32	42.36	48.82	49.11	54.00	-4.89	Average
3	5180.000	8.37	34.35	42.33	92.77	93.16	-----	-----	Average

Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:High



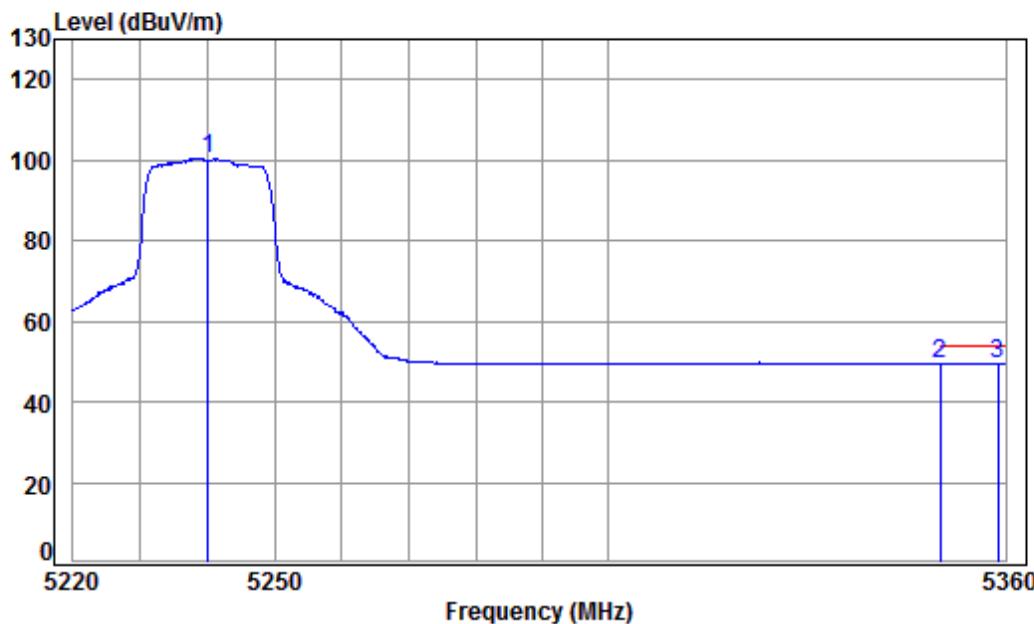
Condition: 3m HORIZONTAL

Job No : 03478CR

Mode : 5240 Band edge  
: 5G WIFI 11N20

	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	pp 5240.000	8.46	34.40	42.27	106.12	106.71	68.20	38.51	peak
2	5350.020	8.63	34.48	42.17	57.74	58.68	74.00	-15.32	peak
3	5354.187	8.64	34.49	42.17	58.36	59.32	74.00	-14.68	peak

Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:High



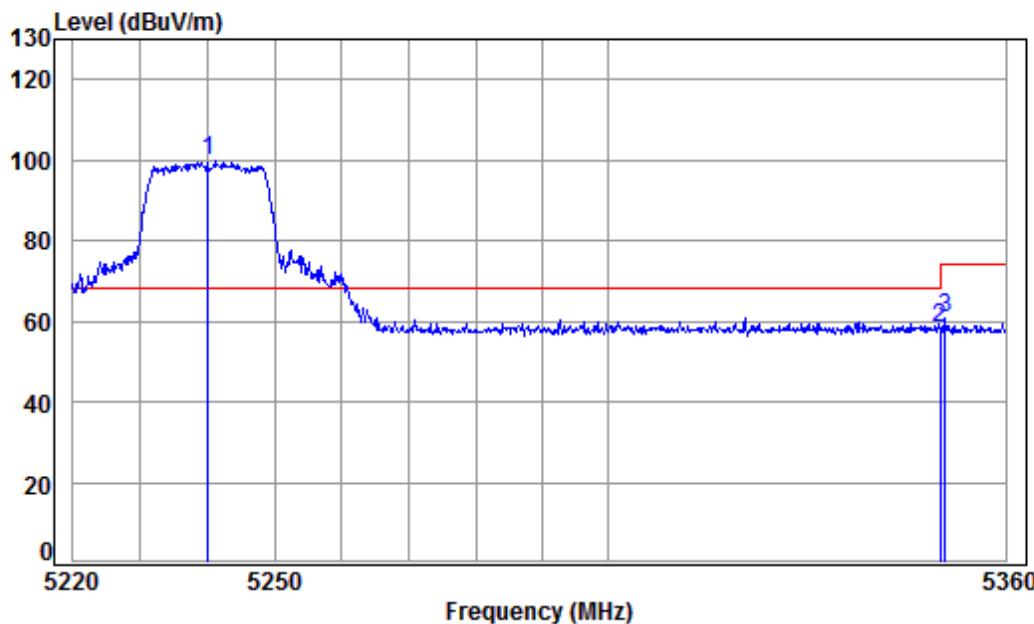
Condition: 3m HORIZONTAL

Job No : 03478CR

Mode : 5240 Band edge  
: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.000	8.46	34.40	42.27	99.89	100.48	-----	-----	Average
2	5350.020	8.63	34.48	42.17	48.59	49.53	54.00	-4.47	Average
3 pp	5358.865	8.64	34.49	42.16	48.67	49.64	54.00	-4.36	Average

Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:High



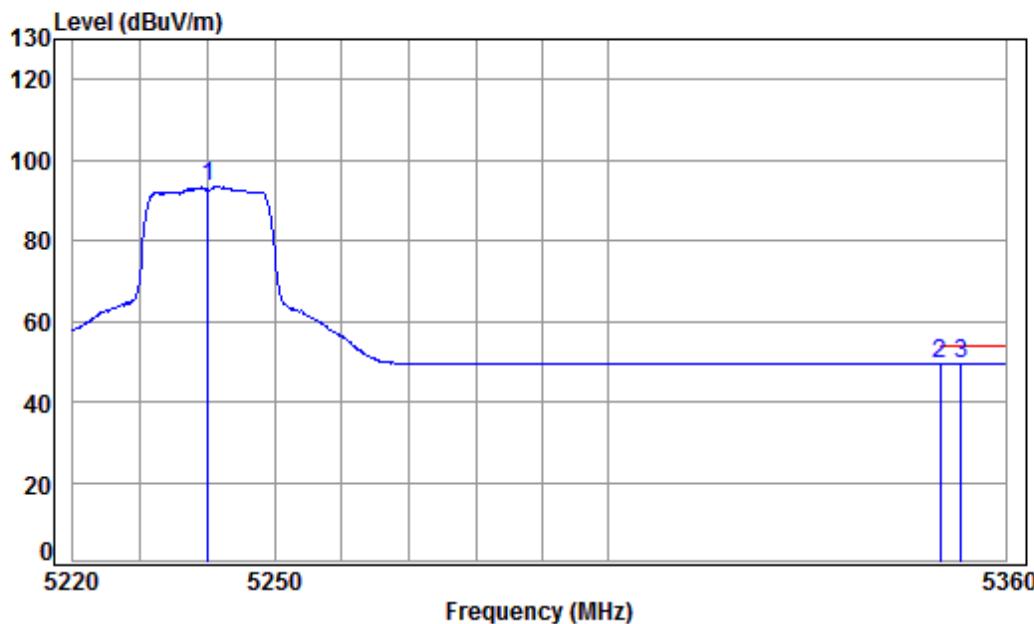
Condition: 3m VERTICAL

Job No : 03478CR

Mode : 5240 Band edge  
: 5G WIFI 11N20

		Cable Freq	Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Level	Over Line Limit	Over Line Remark
		MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5240.000	8.46	34.40	42.27	99.09	99.68	68.20	31.48	Peak
2		5350.020	8.63	34.48	42.17	57.62	58.56	74.00	-15.44	Peak
3		5350.787	8.63	34.48	42.17	59.66	60.60	74.00	-13.40	Peak

Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:High



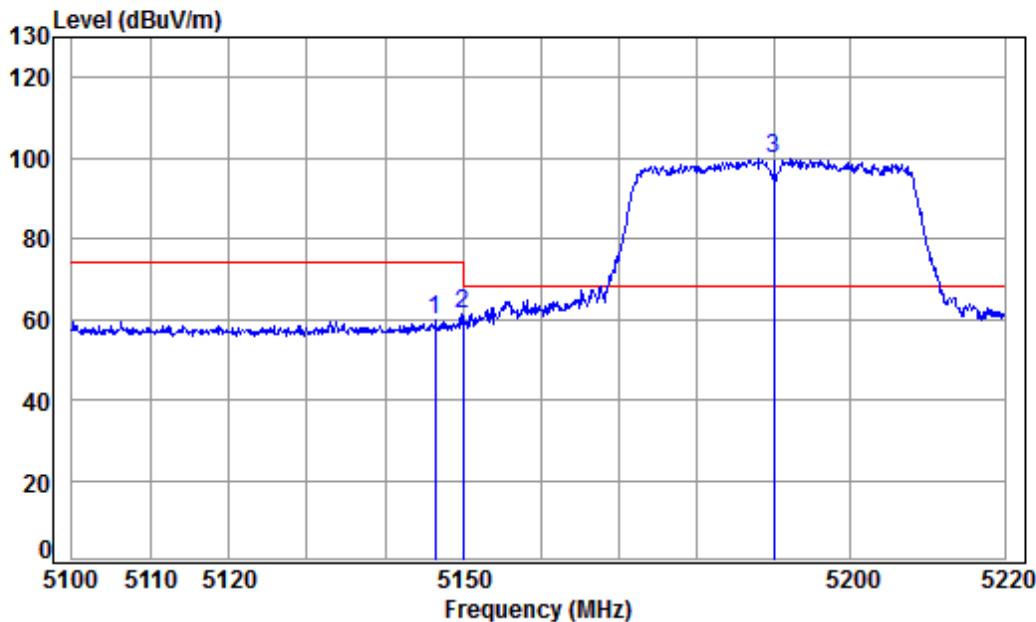
Condition: 3m VERTICAL

Job No : 03478CR

Mode : 5240 Band edge  
: 5G WIFI 11N20

	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	dB
1	5240.000	8.46	34.40	42.27	92.80	93.39	-----	-----	Average
2	5350.020	8.63	34.48	42.17	48.59	49.53	54.00	-4.47	Average
3 pp	5353.195	8.63	34.49	42.17	48.65	49.60	54.00	-4.40	Average

Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:Low



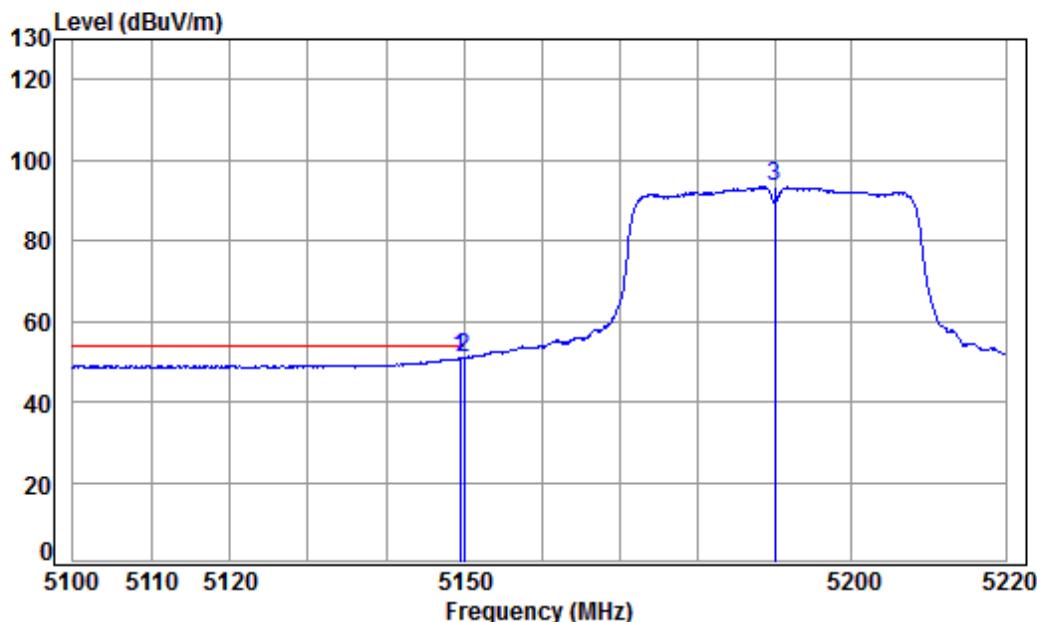
Condition: 3m HORIZONTAL

Job No : 03478CR

Mode : 5190 Band edge  
: 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	dB	
1	5146.468	8.32	34.32	42.36	59.45	59.73	74.00	-14.27	peak
2	5149.980	8.33	34.32	42.36	60.95	61.24	74.00	-12.76	peak
3 pp	5190.000	8.39	34.36	42.32	99.48	99.91	68.20	31.71	peak

Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:Low



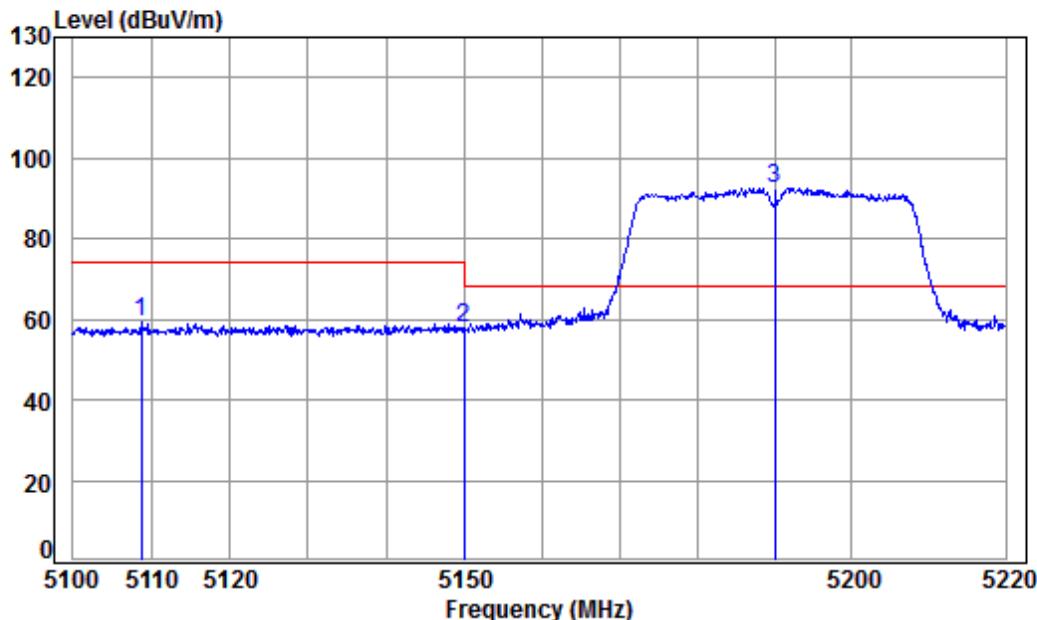
Condition: 3m HORIZONTAL

Job No : 03478CR

Mode : 5190 Band edge  
: 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	dB	
1	5149.461	8.32	34.32	42.36	50.47	50.75	54.00	-3.25	Average
2 pp	5149.980	8.33	34.32	42.36	50.61	50.90	54.00	-3.10	Average
3	5190.000	8.39	34.36	42.32	92.80	93.23	-----	-----	Average

Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:Low



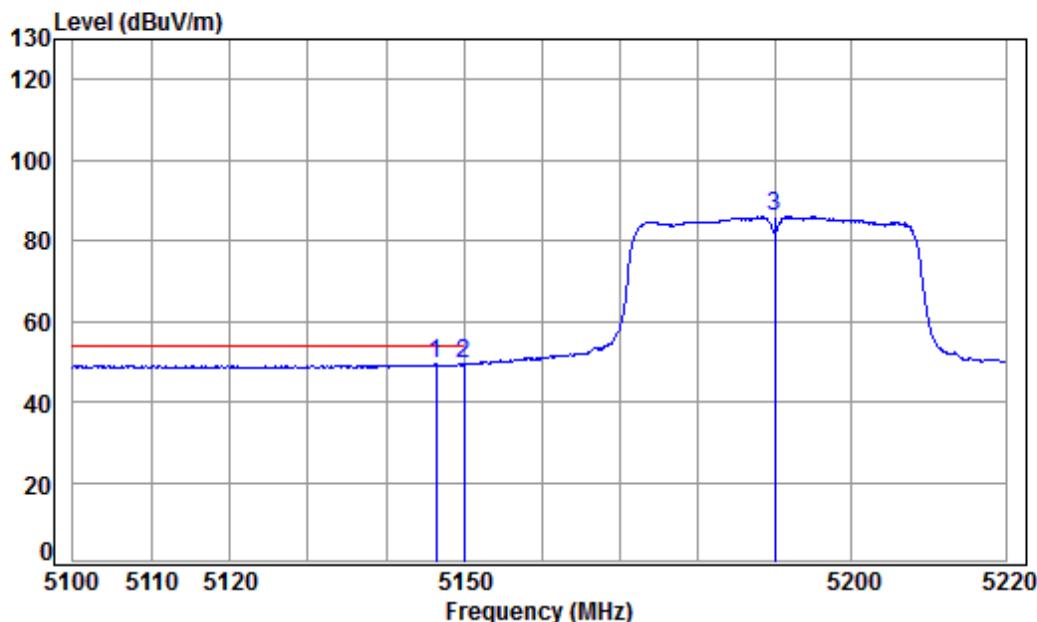
Condition: 3m VERTICAL

Job No : 03478CR

Mode : 5190 Band edge  
: 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	dB
1	5108.666	8.26	34.29	42.39	58.93	59.09	74.00	-14.91	Peak
2	5149.980	8.33	34.32	42.36	57.72	58.01	74.00	-15.99	Peak
3 pp	5190.000	8.39	34.36	42.32	92.06	92.49	68.20	24.29	Peak

Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:Low



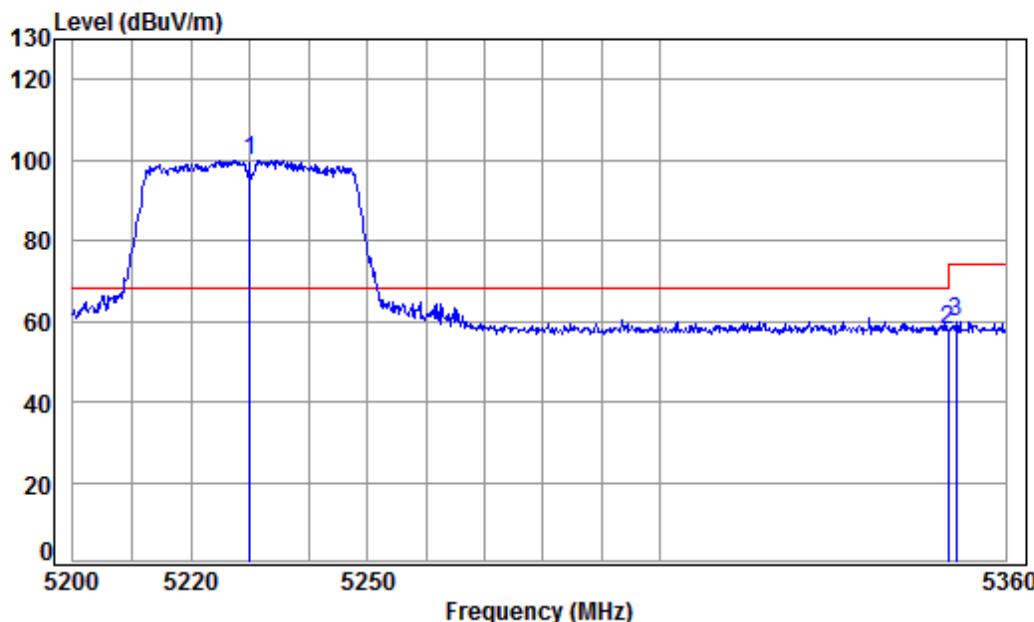
Condition: 3m VERTICAL

Job No : 03478CR

Mode : 5190 Band edge  
: 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	dB
1	5146.349	8.32	34.32	42.36	48.97	49.25	54.00	-4.75	Average
2 pp	5149.980	8.33	34.32	42.36	49.04	49.33	54.00	-4.67	Average
3	5190.000	8.39	34.36	42.32	85.53	85.96	-----	-----	Average

Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:High



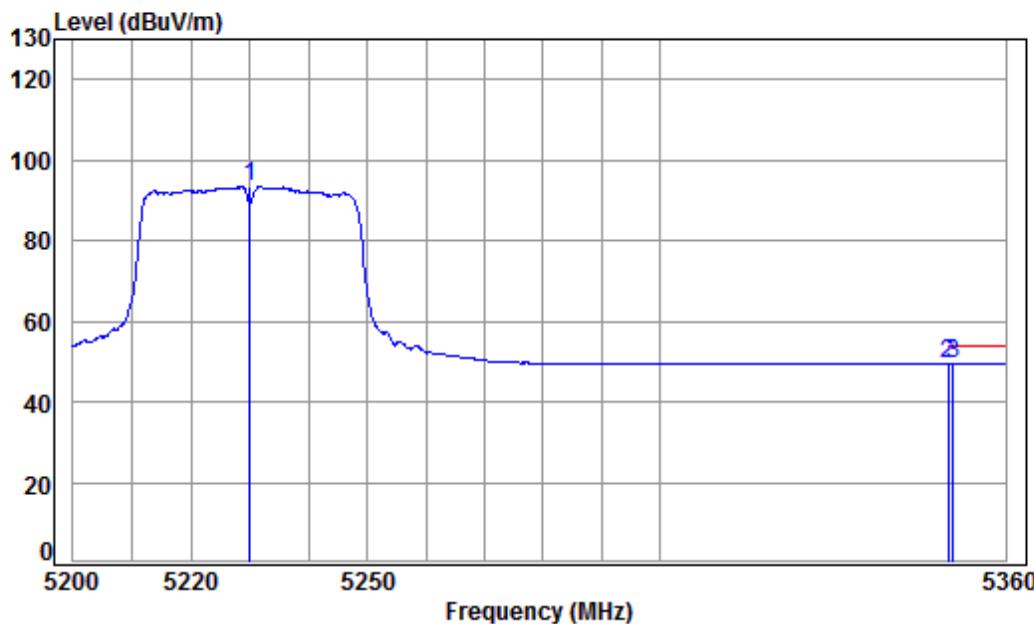
Condition: 3m HORIZONTAL

Job No : 03478CR

Mode : 5230 Band edge  
: 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5230.000	8.45	34.39	42.28	99.53	100.09	68.20	31.89 peak
2	5350.020	8.63	34.48	42.17	57.03	57.97	74.00	-16.03 peak
3	5351.398	8.63	34.49	42.17	58.99	59.94	74.00	-14.06 peak

Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:High



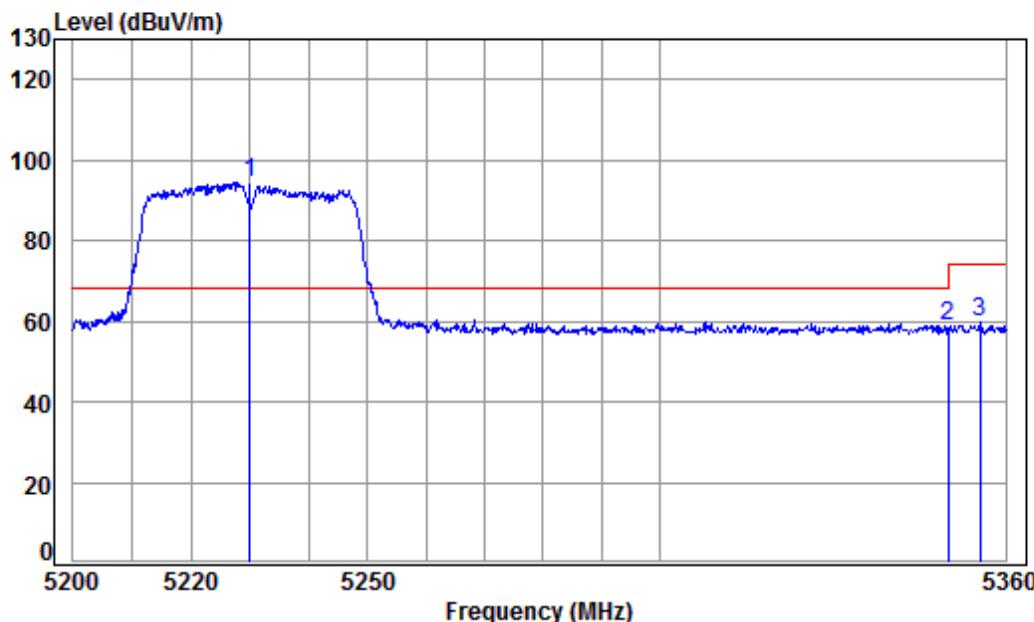
Condition: 3m HORIZONTAL

Job No : 03478CR

Mode : 5230 Band edge  
: 5G WIFI 11N40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5230.000	8.45	34.39	42.28	92.87	93.43	-----	Average
2	5350.020	8.63	34.48	42.17	48.65	49.59	54.00	-4.41 Average
3 pp	5350.911	8.63	34.48	42.17	48.65	49.59	54.00	-4.41 Average

Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:High



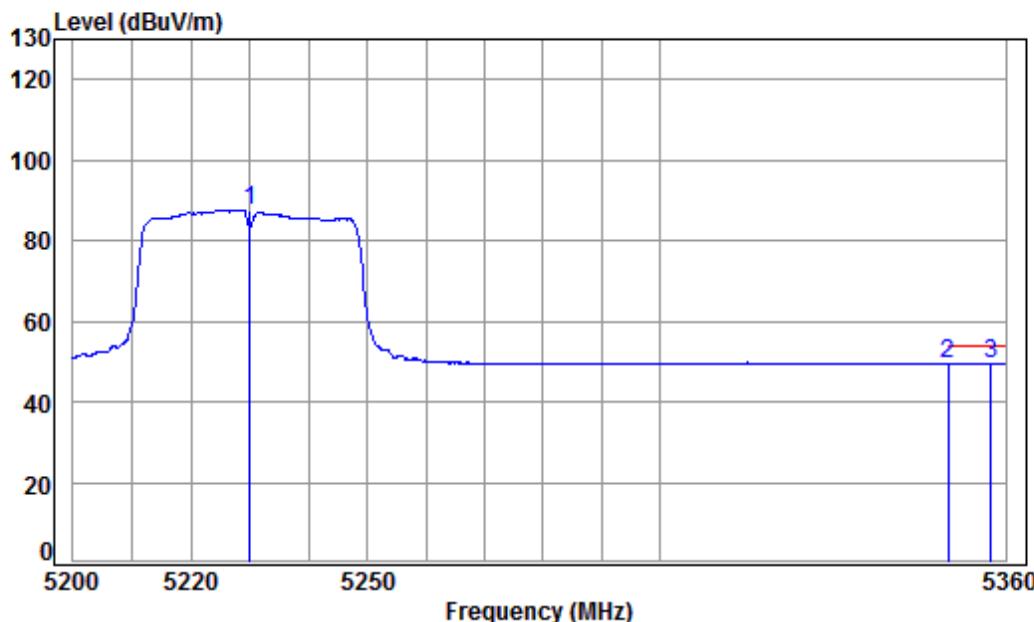
Condition: 3m VERTICAL

Job No : 03478CR

Mode : 5230 Band edge  
: 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	dB
1 pp	5230.000	8.45	34.39	42.28	93.76	94.32	68.20	26.12	Peak
2	5350.020	8.63	34.48	42.17	57.70	58.64	74.00	-15.36	Peak
3	5355.454	8.64	34.49	42.16	58.66	59.63	74.00	-14.37	Peak

Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:High



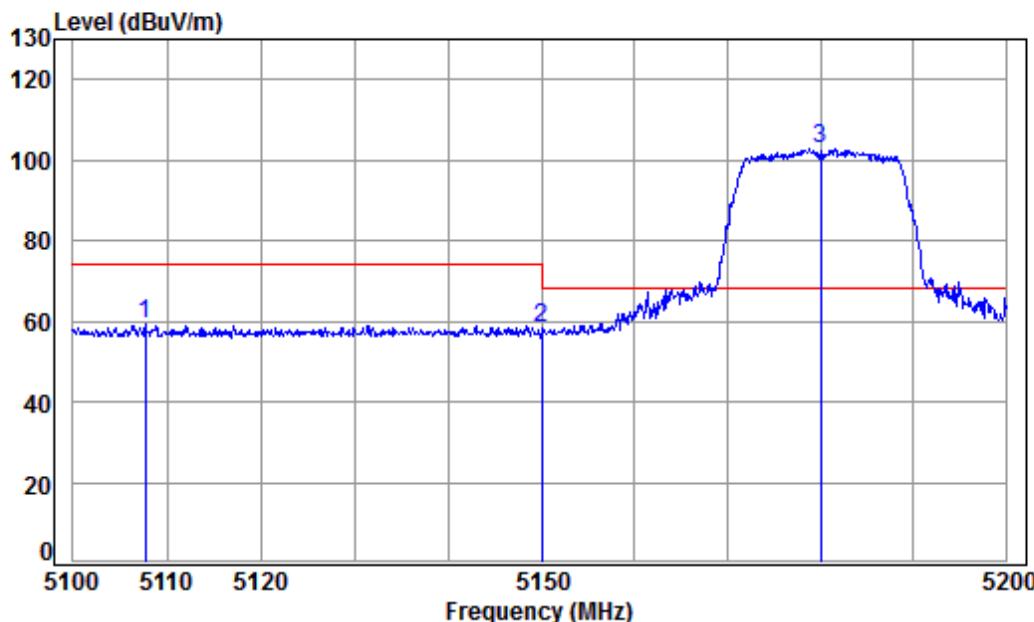
Condition: 3m VERTICAL

Job No : 03478CR

Mode : 5230 Band edge  
: 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	dB
1	5230.000	8.45	34.39	42.28	87.00	87.56	-----	-----	Average
2	5350.020	8.63	34.48	42.17	48.59	49.53	54.00	-4.47	Average
3 pp	5357.402	8.64	34.49	42.16	48.62	49.59	54.00	-4.41	Average

Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



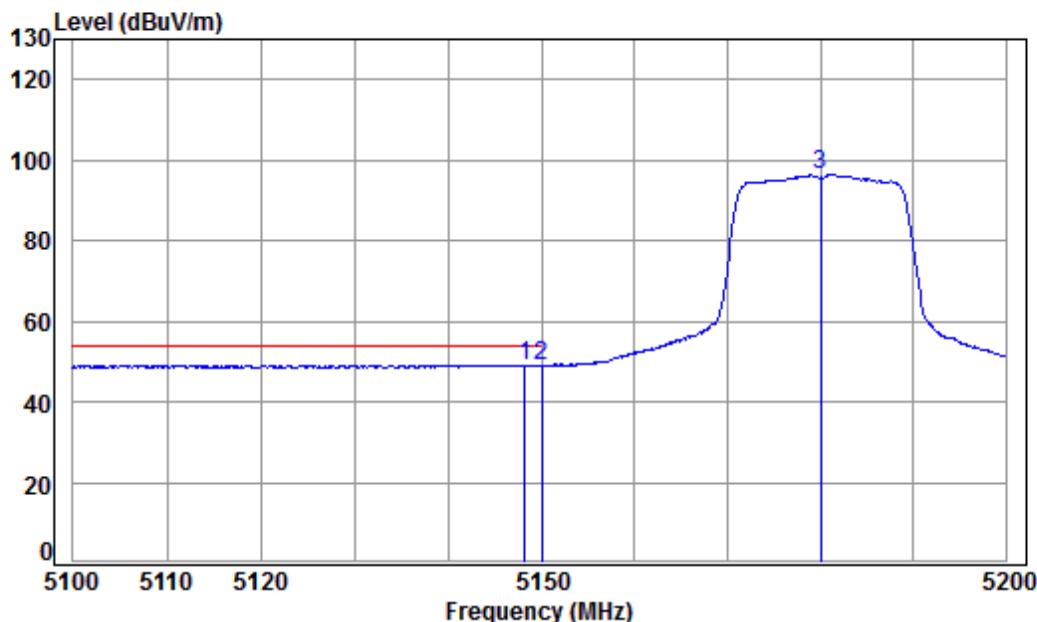
Condition: 3m HORIZONTAL

Job No : 03478CR

Mode : 5180 Band edge  
: 5G WIFI 11AC20

	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	dB	
1	5107.730	8.26	34.29	42.40	59.09	59.24	74.00	-14.76	peak
2	5149.980	8.33	34.32	42.36	58.20	58.49	74.00	-15.51	peak
3 pp	5180.000	8.37	34.35	42.33	102.43	102.82	68.20	34.62	peak

Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



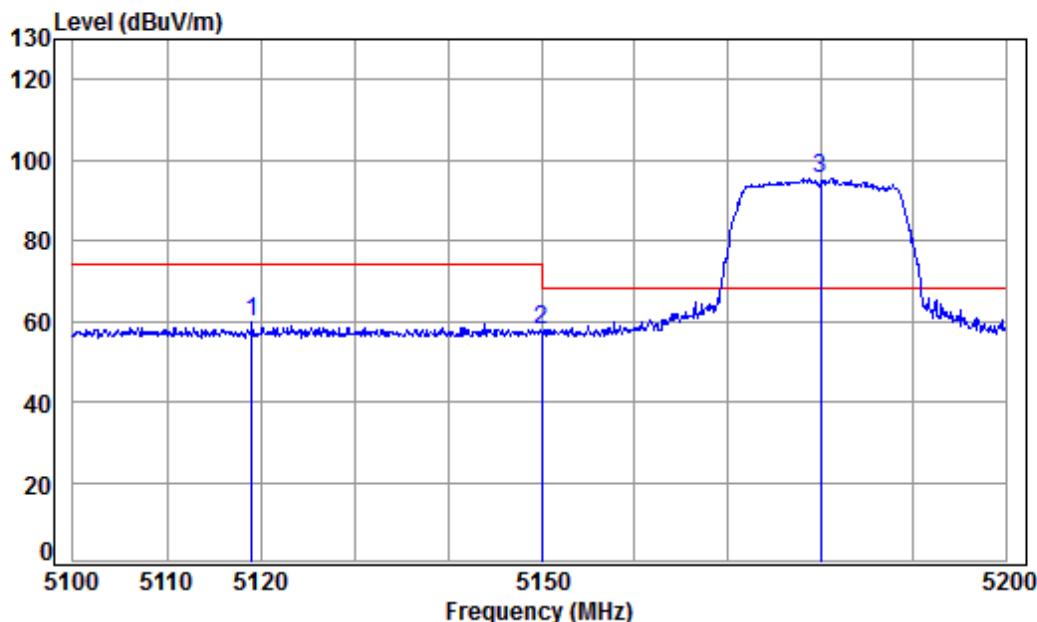
Condition: 3m HORIZONTAL

Job No : 03478CR

Mode : 5180 Band edge  
: 5G WIFI 11AC20

	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	dB	
1	5148.257	8.32	34.32	42.36	48.67	48.95	54.00	-5.05	Average
2 pp	5149.980	8.33	34.32	42.36	48.80	49.09	54.00	-4.91	Average
3	5180.000	8.37	34.35	42.33	95.92	96.31	-----	-----	Average

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



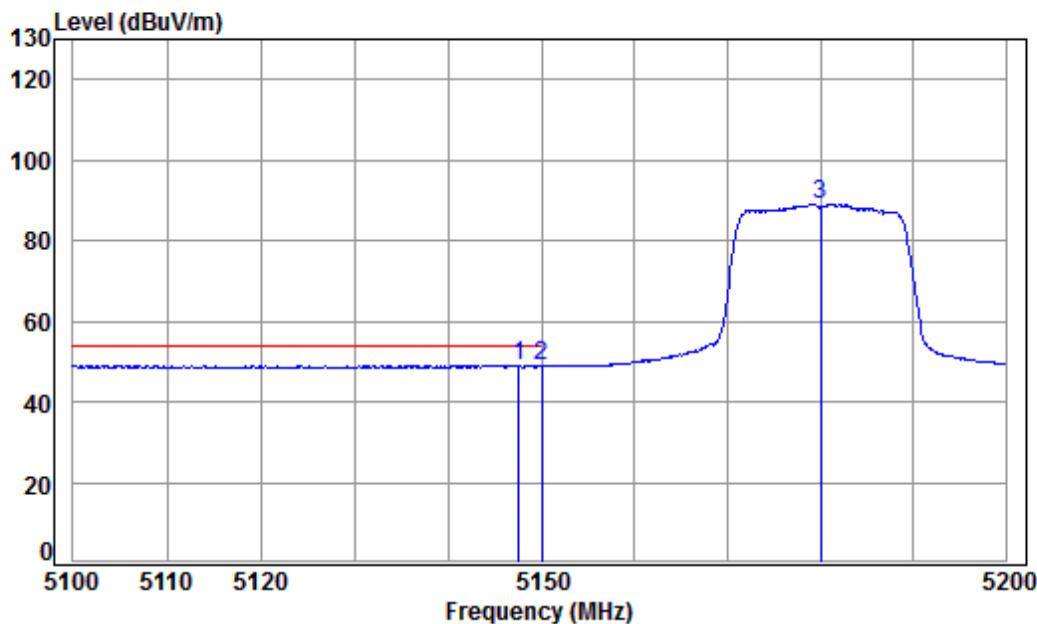
Condition: 3m VERTICAL

Job No : 03478CR

Mode : 5180 Band edge  
: 5G WIFI 11AC20

	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	dB	
1	5119.050	8.28	34.30	42.38	59.71	59.91	74.00	-14.09	Peak
2	5149.980	8.33	34.32	42.36	57.32	57.61	74.00	-16.39	Peak
3 pp	5180.000	8.37	34.35	42.33	95.25	95.64	68.20	27.44	Peak

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



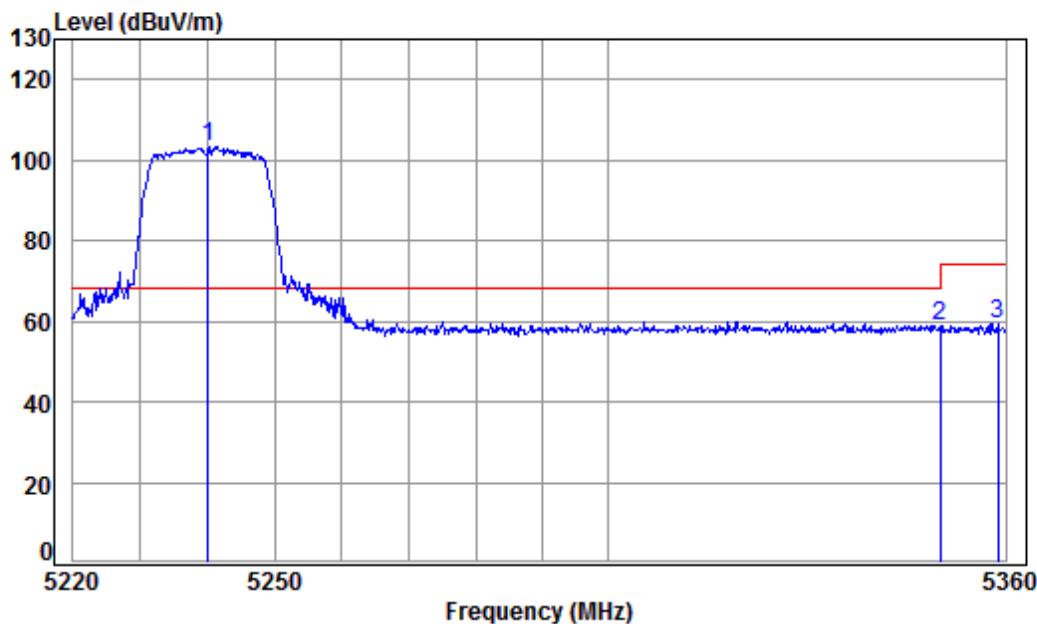
Condition: 3m VERTICAL

Job No : 03478CR

Mode : 5180 Band edge  
: 5G WIFI 11AC20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5147.558	8.32	34.32	42.36	48.58	48.86	54.00	-5.14 Average
2	5149.980	8.33	34.32	42.36	48.51	48.80	54.00	-5.20 Average
3	5180.000	8.37	34.35	42.33	88.70	89.09	-----	----- Average

Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:High



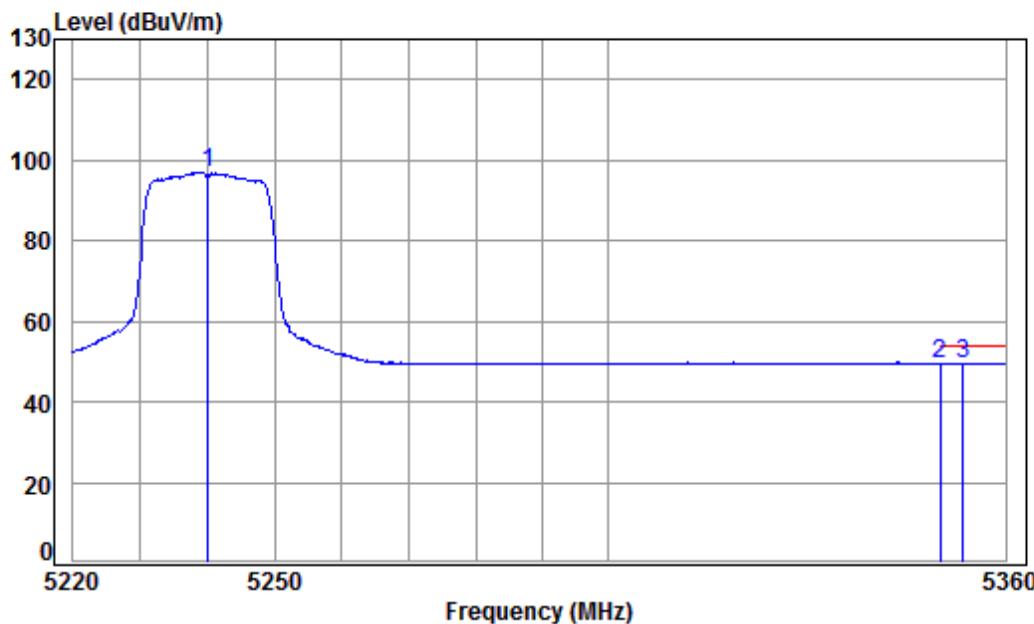
Condition: 3m HORIZONTAL

Job No : 03478CR

Mode : 5240 Band edge  
: 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5240.000	8.46	34.40	42.27	102.77	103.36	68.20	35.16 peak
2	5350.020	8.63	34.48	42.17	57.86	58.80	74.00	-15.20 peak
3	5358.865	8.64	34.49	42.16	58.51	59.48	74.00	-14.52 peak

Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:High



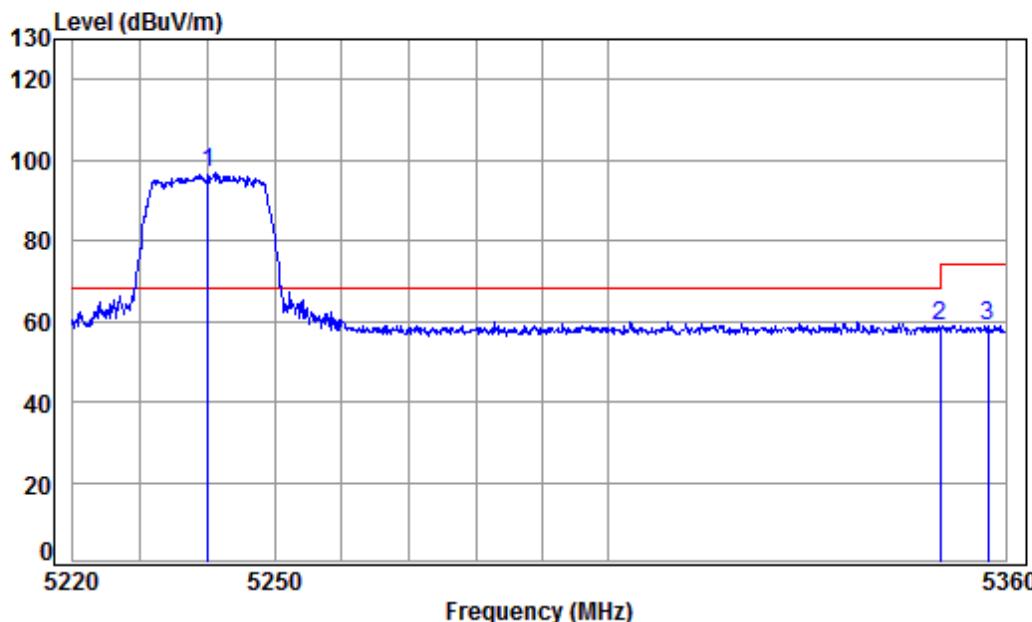
Condition: 3m HORIZONTAL

Job No : 03478CR

Mode : 5240 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	5240.000	8.46	34.40	42.27	96.39	96.98	-----	-----	Average
2 pp	5350.020	8.63	34.48	42.17	48.64	49.58	54.00	-4.42	Average
3	5353.479	8.63	34.49	42.17	48.62	49.57	54.00	-4.43	Average

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:High



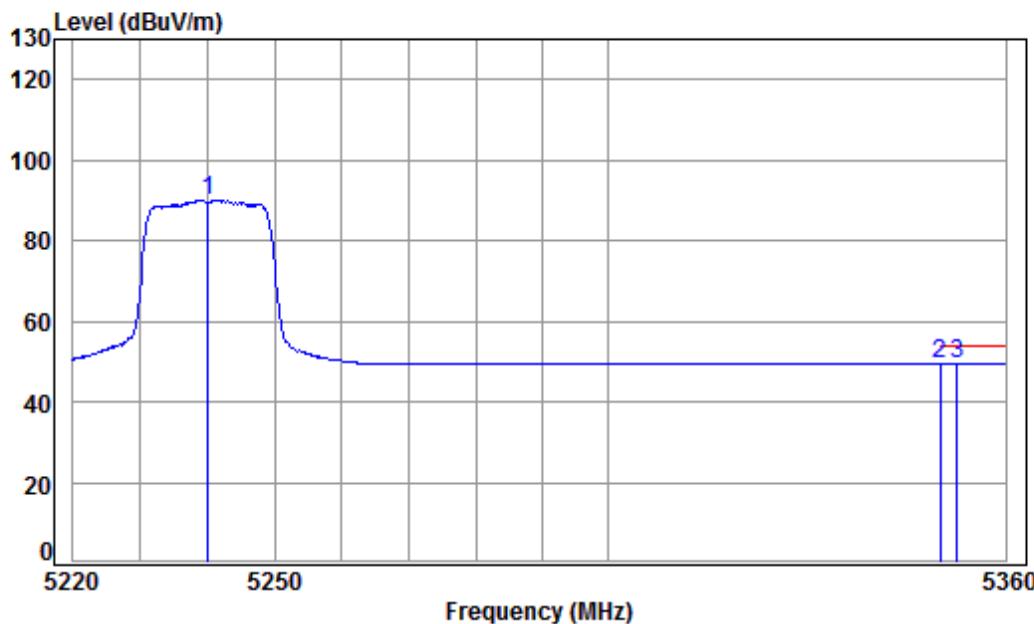
Condition: 3m VERTICAL

Job No : 03478CR

Mode : 5240 Band edge  
: 5G WIFI 11AC20

		Cable Freq	Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	5240.000	8.46	34.40	42.27	96.10	96.69	68.20	28.49	Peak
2		5350.020	8.63	34.48	42.17	57.87	58.81	74.00	-15.19	Peak
3		5357.305	8.64	34.49	42.16	58.10	59.07	74.00	-14.93	Peak

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:High



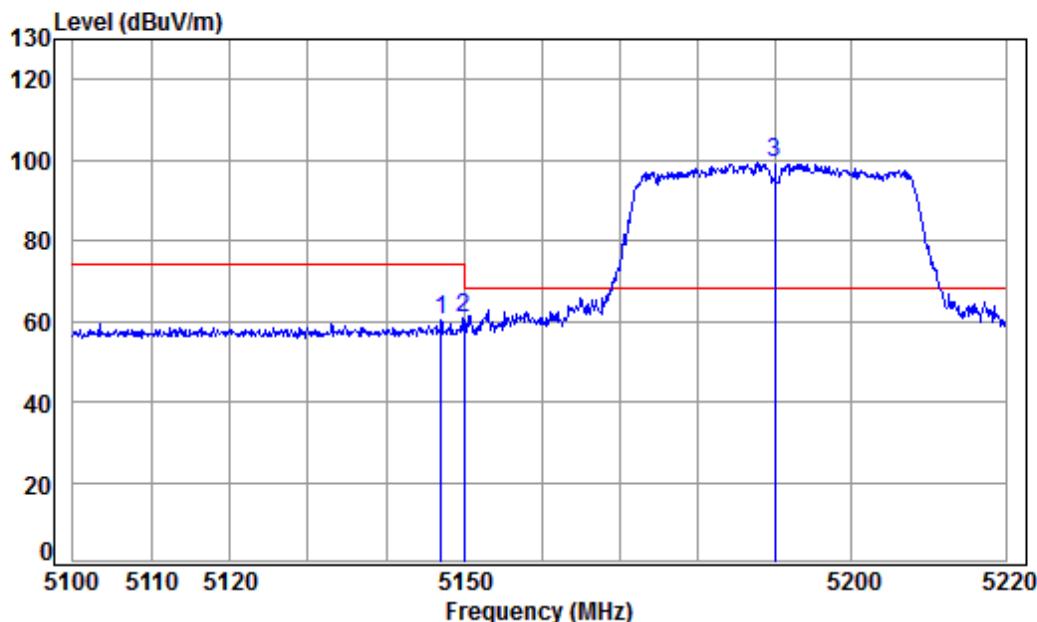
Condition: 3m VERTICAL

Job No : 03478CR

Mode : 5240 Band edge  
: 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Line	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.000	8.46	34.40	42.27	89.57	90.16	-----	-----	Average
2	5350.020	8.63	34.48	42.17	48.53	49.47	54.00	-4.53	Average
3 pp	5352.628	8.63	34.49	42.17	48.64	49.59	54.00	-4.41	Average

Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



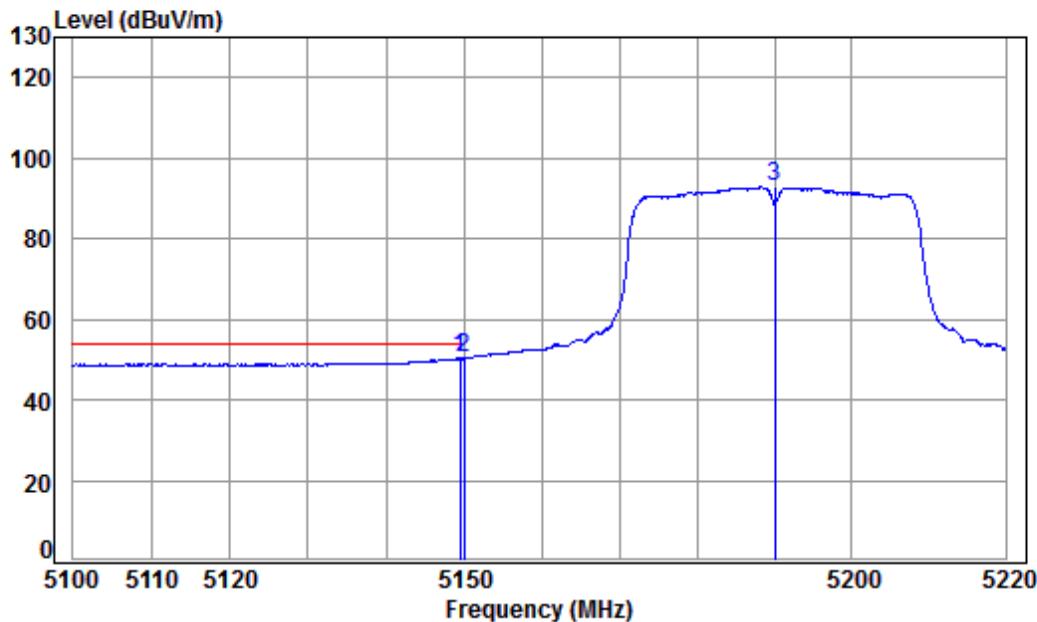
Condition: 3m HORIZONTAL

Job No : 03478CR

Mode : 5190 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	dB	
1	5147.067	8.32	34.32	42.36	59.96	60.24	74.00	-13.76	peak
2	5149.980	8.33	34.32	42.36	60.52	60.81	74.00	-13.19	peak
3 pp	5190.000	8.39	34.36	42.32	98.87	99.30	68.20	31.10	peak

Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



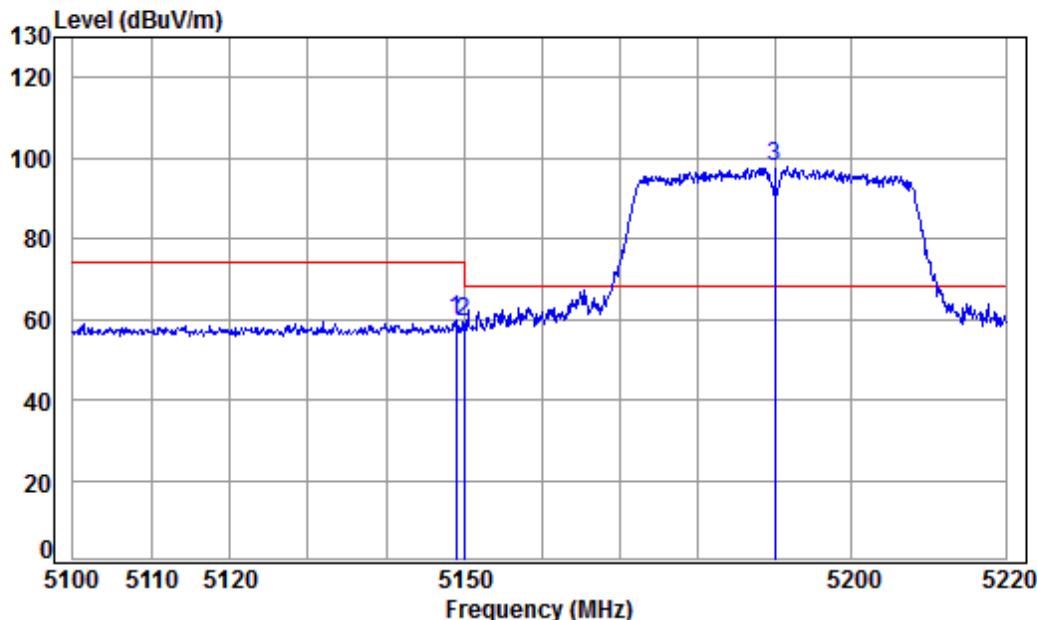
Condition: 3m HORIZONTAL

Job No : 03478CR

Mode : 5190 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	dB
1	5149.461	8.32	34.32	42.36	49.97	50.25	54.00	-3.75	Average
2 pp	5149.980	8.33	34.32	42.36	50.09	50.38	54.00	-3.62	Average
3	5190.000	8.39	34.36	42.32	92.37	92.80	-----	-----	Average

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



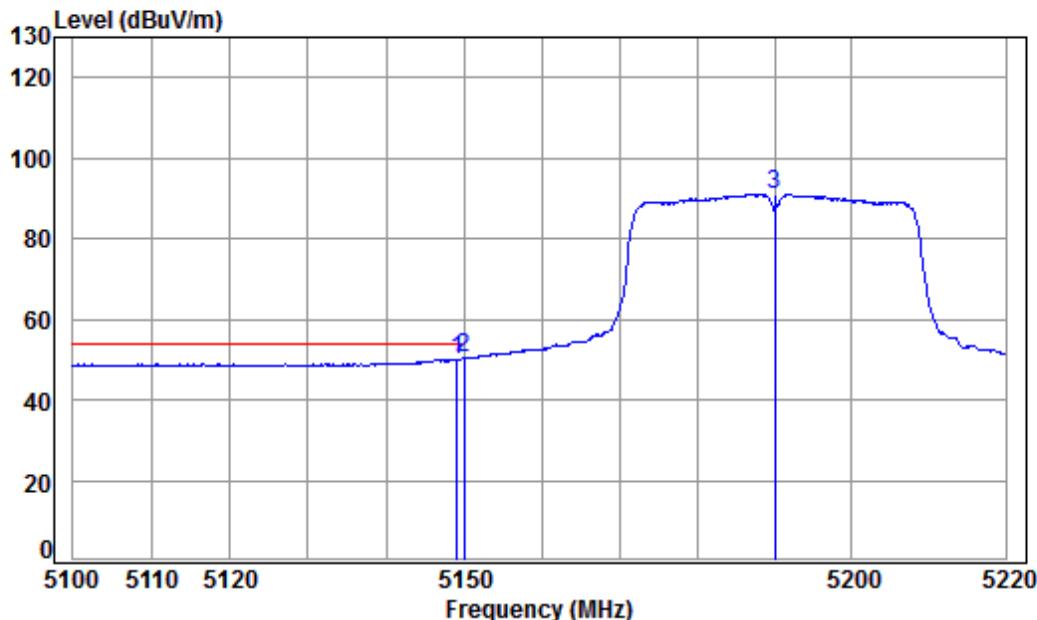
Condition: 3m VERTICAL

Job No : 03478CR

Mode : 5190 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	dB	
1	5148.982	8.32	34.32	42.36	59.33	59.61	74.00	-14.39	Peak
2	5149.980	8.33	34.32	42.36	59.16	59.45	74.00	-14.55	Peak
3 pp	5190.000	8.39	34.36	42.32	97.38	97.81	68.20	29.61	Peak

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



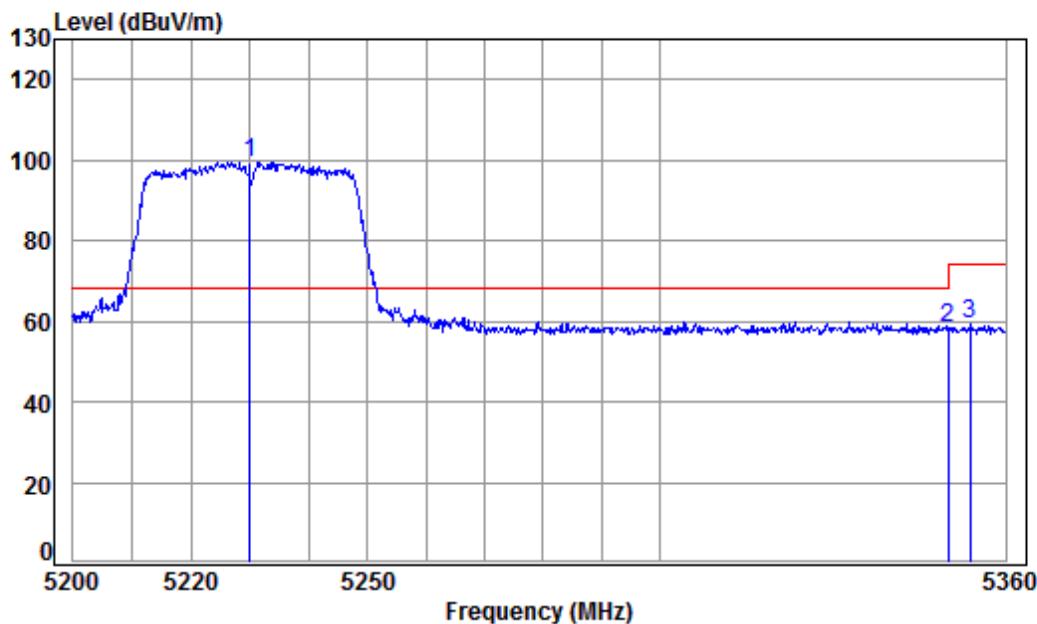
Condition: 3m VERTICAL

Job No : 03478CR

Mode : 5190 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	dB	
1	5149.102	8.32	34.32	42.36	49.79	50.07	54.00	-3.93	Average
2 pp	5149.980	8.33	34.32	42.36	50.17	50.46	54.00	-3.54	Average
3	5190.000	8.39	34.36	42.32	90.65	91.08	-----	-----	Average

Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:High



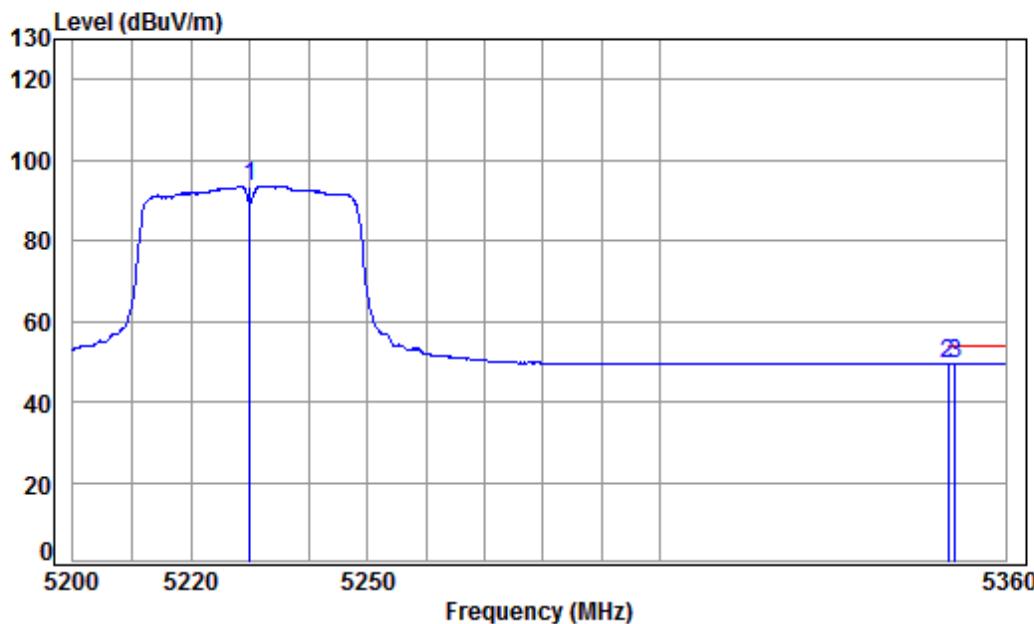
Condition: 3m HORIZONTAL

Job No : 03478CR

Mode : 5230 Band edge  
: 5G WIFI 11AC40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5230.000	8.45	34.39	42.28	98.92	99.48	68.20	31.28 peak
2	5350.020	8.63	34.48	42.17	57.35	58.29	74.00	-15.71 peak
3	5353.831	8.64	34.49	42.17	58.13	59.09	74.00	-14.91 peak

Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:High



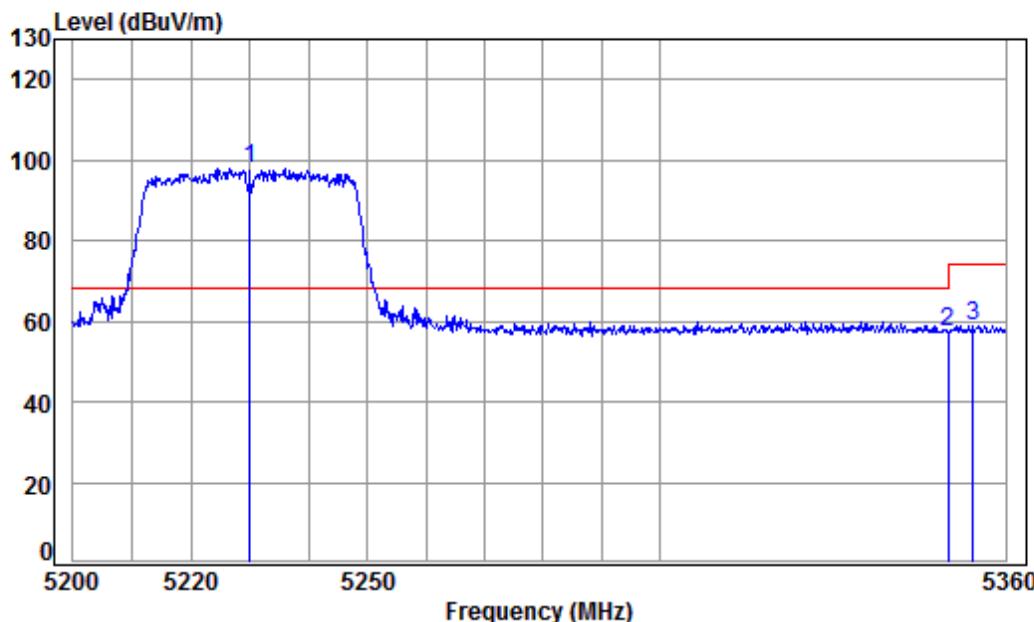
Condition: 3m HORIZONTAL

Job No : 03478CR

Mode : 5230 Band edge  
: 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Line	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5230.000	8.45	34.39	42.28	93.08	93.64	-----	-----	Average
2	5350.020	8.63	34.48	42.17	48.54	49.48	54.00	-4.52	Average
3 pp	5351.235	8.63	34.48	42.17	48.63	49.57	54.00	-4.43	Average

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:High



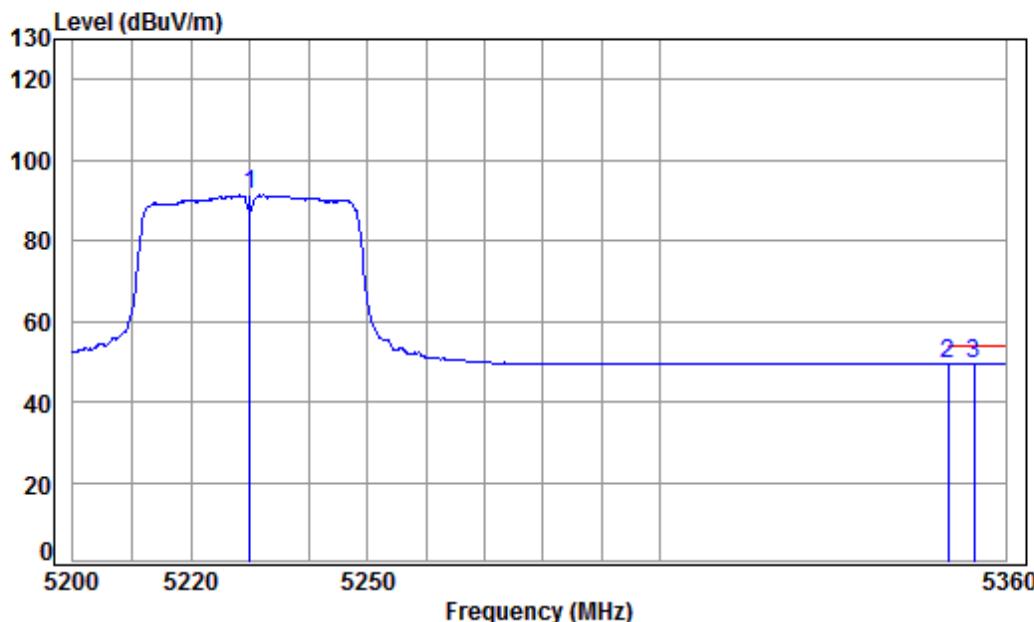
Condition: 3m VERTICAL

Job No : 03478CR

Mode : 5230 Band edge  
: 5G WIFI 11AC40

	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
Freq	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5230.000	8.45	34.39	42.28	97.46	98.02	68.20	29.82 Peak
2	5350.020	8.63	34.48	42.17	56.54	57.48	74.00	-16.52 Peak
3	5354.318	8.64	34.49	42.16	57.93	58.90	74.00	-15.10 Peak

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:High



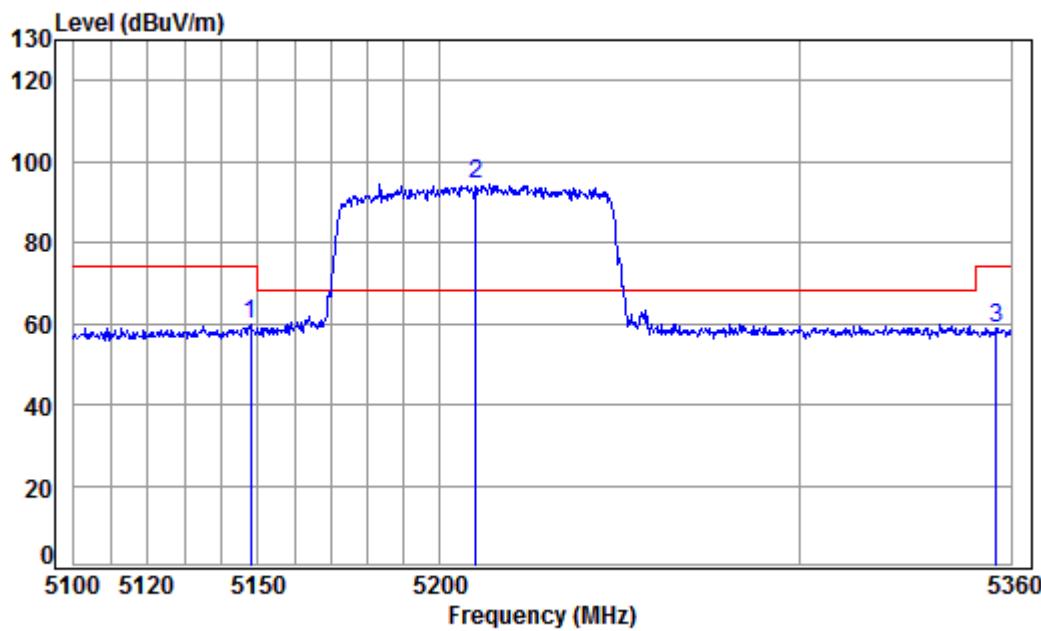
Condition: 3m VERTICAL

Job No : 03478CR

Mode : 5230 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	dB
1	5230.000	8.45	34.39	42.28	90.70	91.26	-----	-----	Average
2	5350.020	8.63	34.48	42.17	48.57	49.51	54.00	-4.49	Average
3 pp	5354.480	8.64	34.49	42.16	48.59	49.56	54.00	-4.44	Average

Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



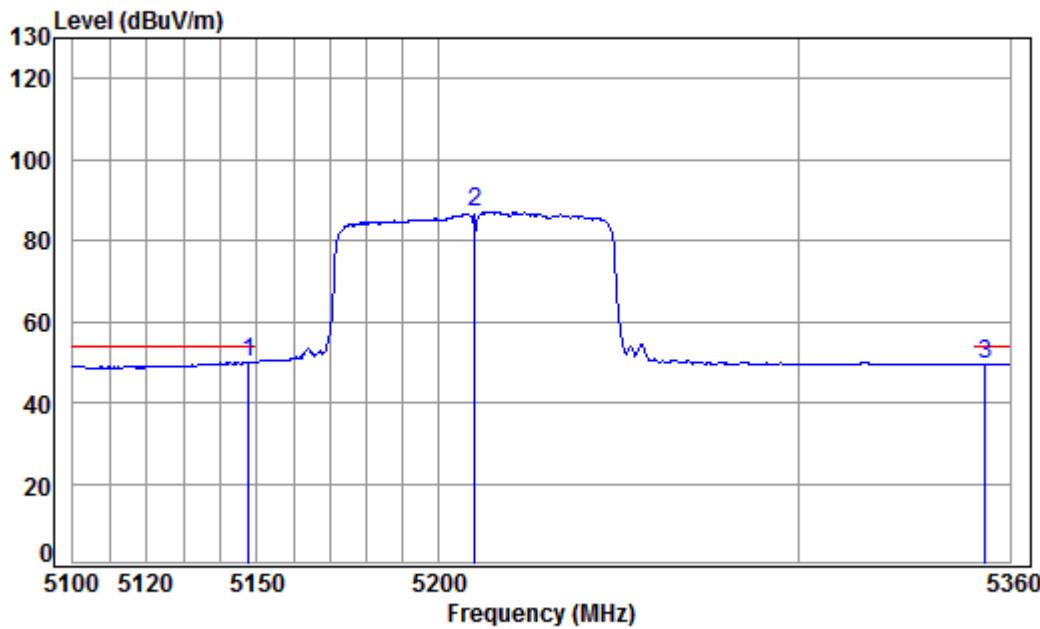
Condition: 3m HORIZONTAL

Job No : 03478CR

Mode : 5210 Band edge  
: 5G WIFI 11AC80

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1		5148.154	8.32	34.32	42.36	59.76	60.04	74.00	-13.96 peak
2 pp		5210.000	8.42	34.37	42.30	93.93	94.42	68.20	26.22 peak
3		5355.737	8.64	34.49	42.16	58.10	59.07	74.00	-14.93 peak

Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



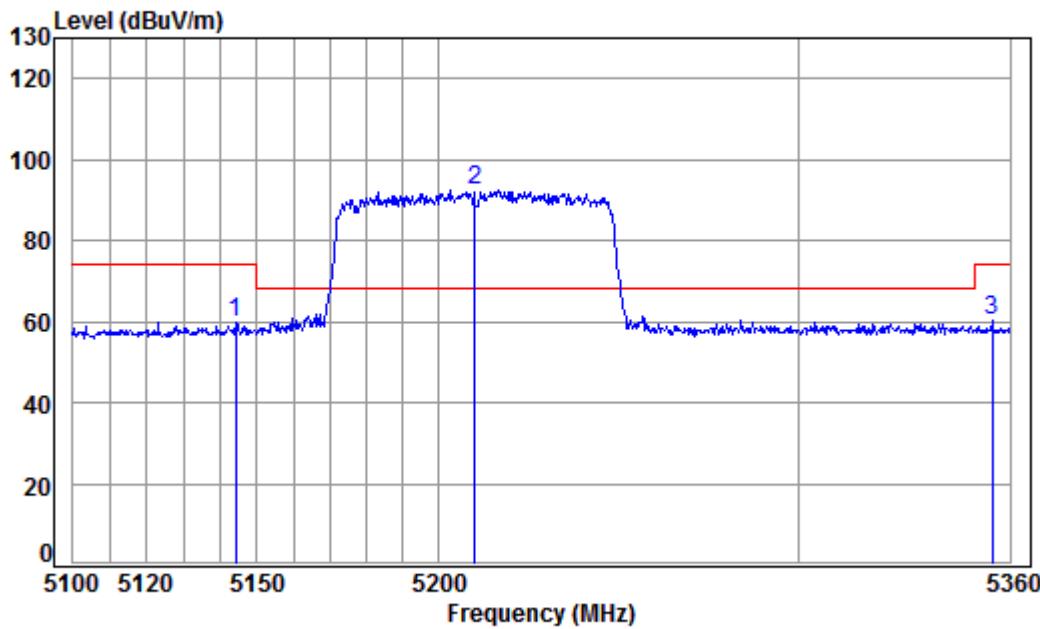
Condition: 3m HORIZONTAL

Job No : 03478CR

Mode : 5210 Band edge  
: 5G WIFI 11AC80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
1 pp	5147.898	8.32	34.32	42.36	49.84	50.12	54.00
2	5210.000	8.42	34.37	42.30	86.64	87.13	-----
3	5353.075	8.63	34.49	42.17	48.60	49.55	54.00
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m
							dB

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

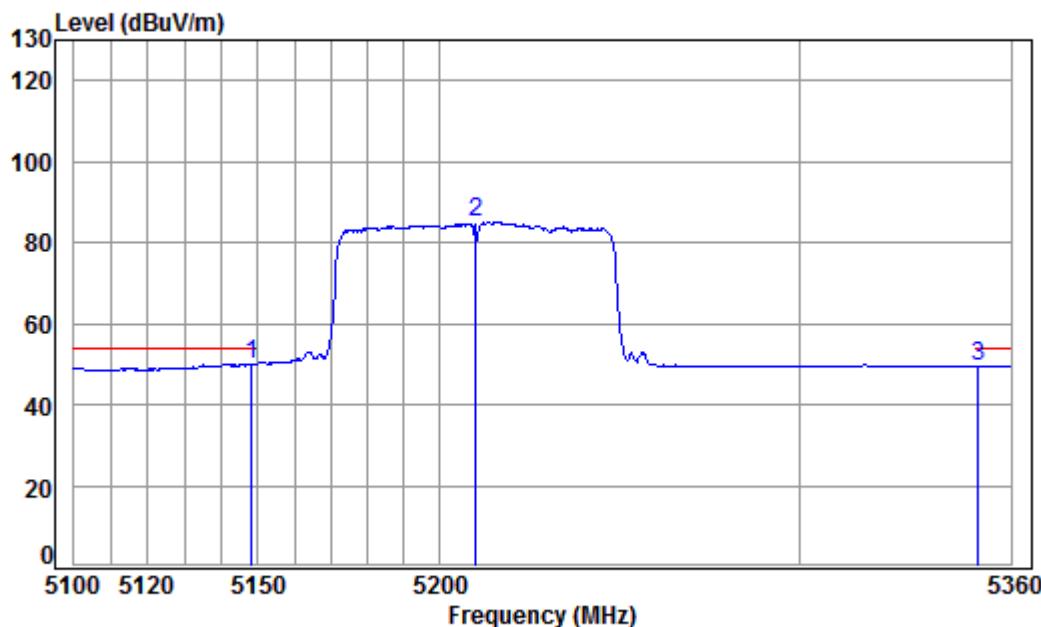
Job No : 03478CR

Mode : 5210 Band edge

: 5G WIFI 11AC80

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5144.316	8.32	34.32	42.36	59.69	59.97	74.00	-14.03 Peak
2 pp	5210.000	8.42	34.37	42.30	91.82	92.31	68.20	24.11 Peak
3	5354.938	8.64	34.49	42.16	59.10	60.07	74.00	-13.93 Peak

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



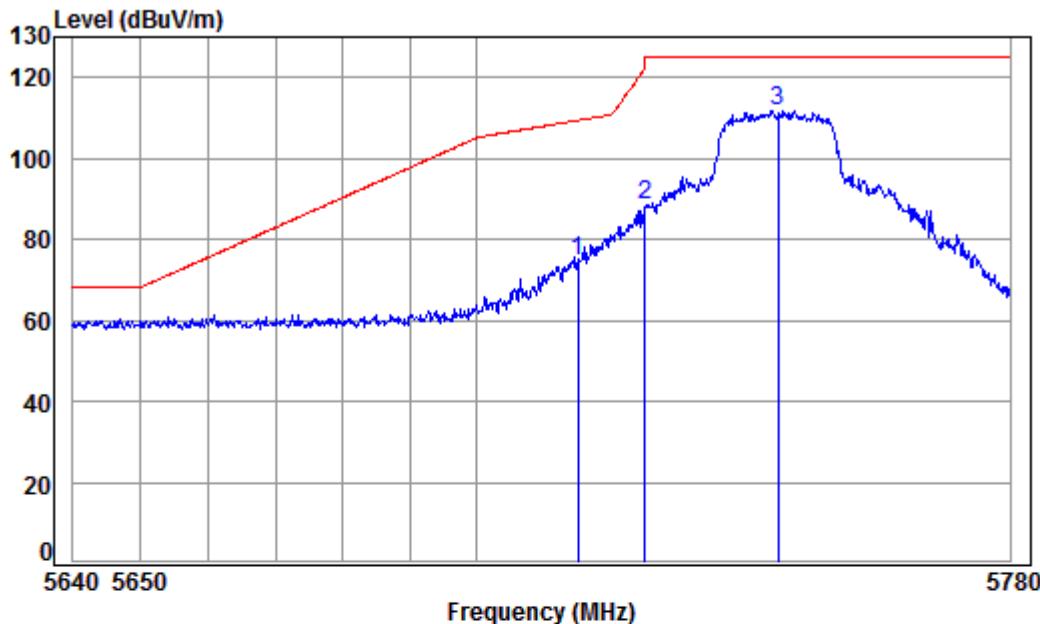
Condition: 3m VERTICAL

Job No : 03478CR

Mode : 5210 Band edge  
: 5G WIFI 11AC80

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit
1 pp	5148.410	8.32	34.32	42.36	49.87	50.15	54.00
2	5210.000	8.42	34.37	42.30	84.76	85.25	-----
3	5350.680	8.63	34.48	42.17	48.55	49.49	54.00
							-3.85
							Average
							-----
							Average
							-4.51
							Average

Mode:f; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:Low



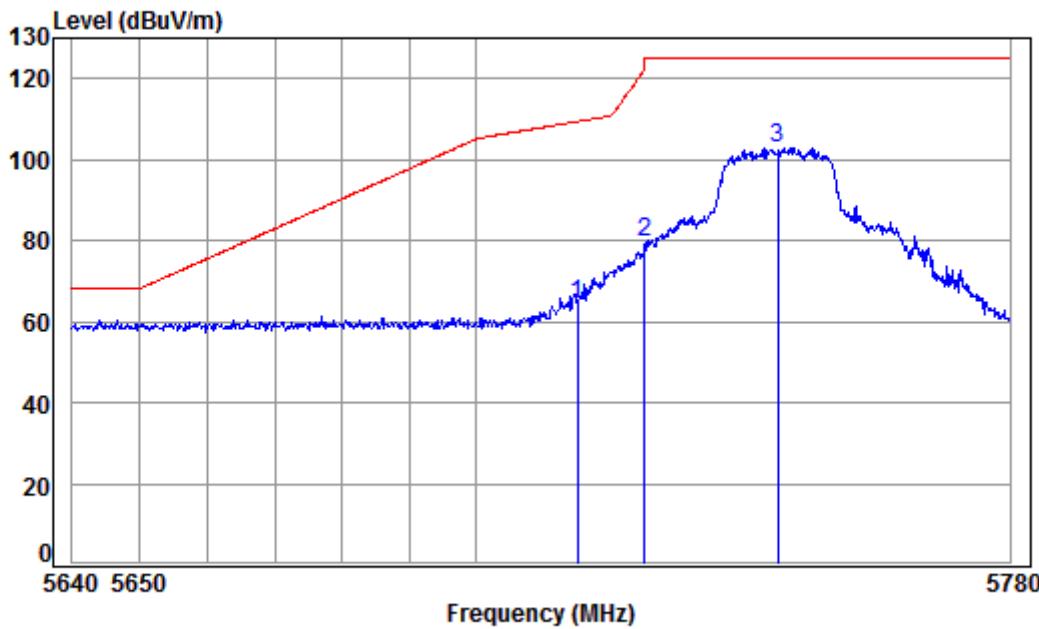
Condition: 3m HORIZONTAL

Job No : 03478CR

Mode : 5745 Band edge  
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Line	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	9.61	34.82	41.85	71.87	74.45	109.40	-34.95	peak
2	5725.000	9.64	34.83	41.84	85.83	88.46	122.20	-33.74	peak
3 pp	5745.000	9.71	34.85	41.82	109.11	111.85	125.20	-13.35	peak

Mode:f; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

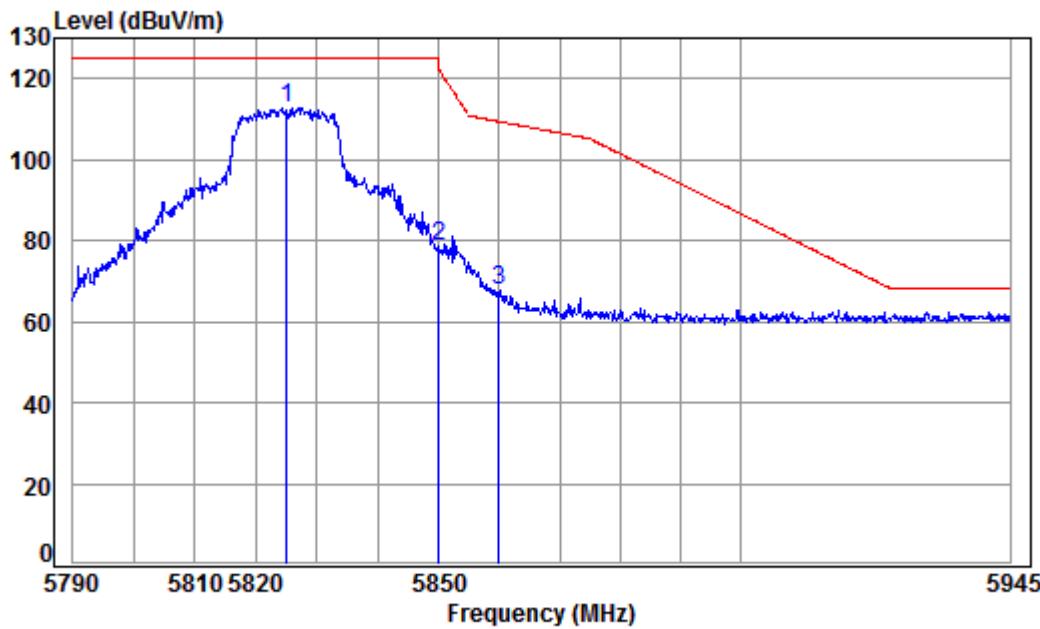
Job No : 03478CR

Mode : 5745 Band edge

: 5G WIFI 11A

	Cable Freq	Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	9.61	34.82	41.85	61.89	64.47	109.40	-44.93	peak
2	5725.000	9.64	34.83	41.84	76.71	79.34	122.20	-42.86	peak
3 pp	5745.000	9.71	34.85	41.82	100.07	102.81	125.20	-22.39	peak

Mode:f; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:High



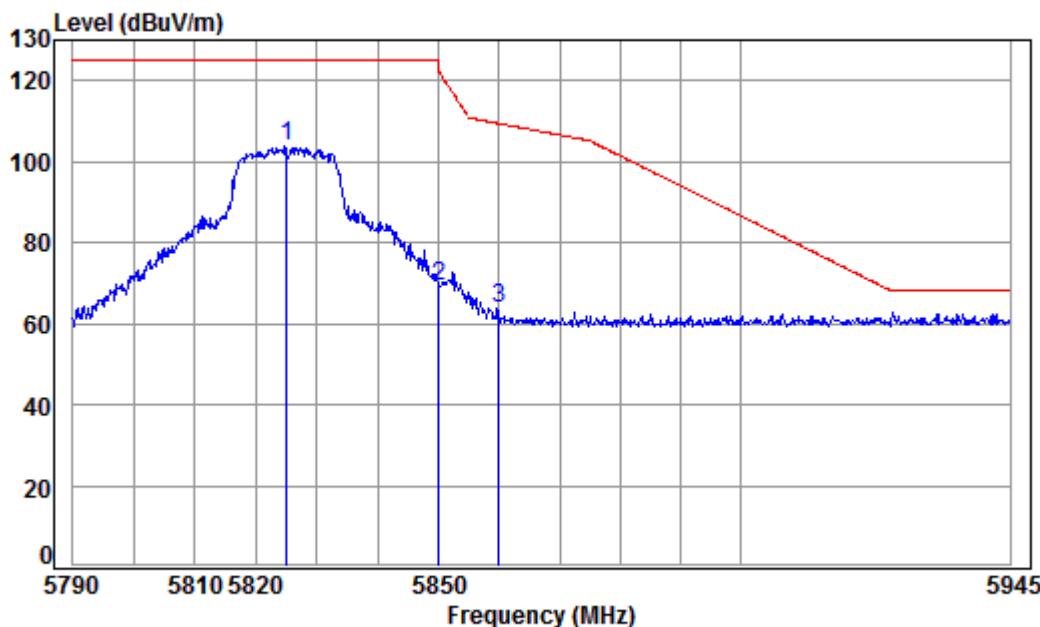
Condition: 3m HORIZONTAL

Job No : 03478CR

Mode : 5825 Band edge  
: 5G WIFI 11A

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5825.000	9.98	34.93	41.75	109.74	112.90	125.20	-12.30 peak
2		5850.000	10.07	34.95	41.73	75.19	78.48	122.20	-43.72 peak
3		5860.000	10.10	34.96	41.72	64.50	67.84	109.40	-41.56 peak

Mode:f; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:High



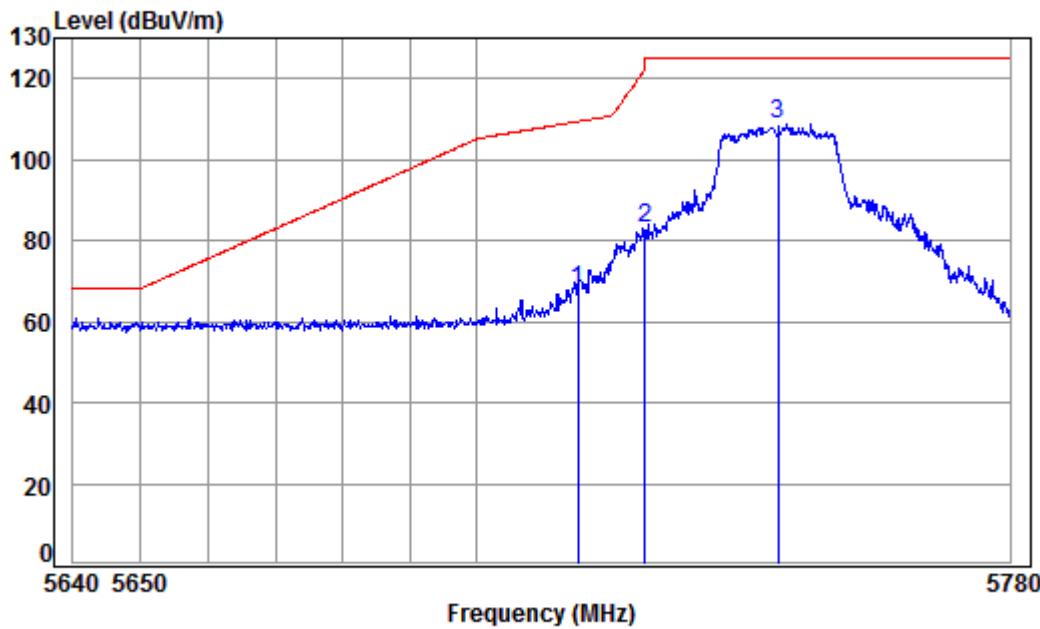
Condition: 3m VERTICAL

Job No : 03478CR

Mode : 5825 Band edge  
: 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
1 pp	5825.000	9.98	34.93	41.75	100.54	103.70	125.20 -21.50 peak
2	5850.000	10.07	34.95	41.73	65.75	69.04	122.20 -53.16 peak
3	5860.000	10.10	34.96	41.72	60.41	63.75	109.40 -45.65 peak

Mode:f; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:Low



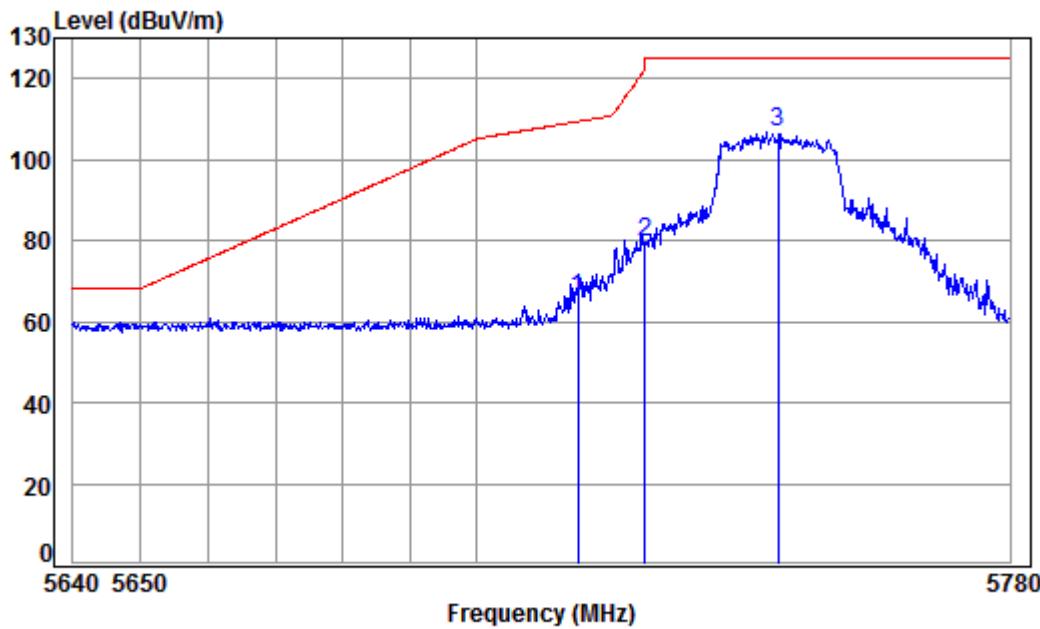
Condition: 3m HORIZONTAL

Job No : 03478CR

Mode : 5745 Band edge  
: 5G WIFI 11N20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	9.61	34.82	41.85	65.28	67.86	109.40	-41.54 peak
2	5725.000	9.64	34.83	41.84	80.55	83.18	122.20	-39.02 peak
3 pp	5745.000	9.71	34.85	41.82	105.93	108.67	125.20	-16.53 peak

Mode:f; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:Low



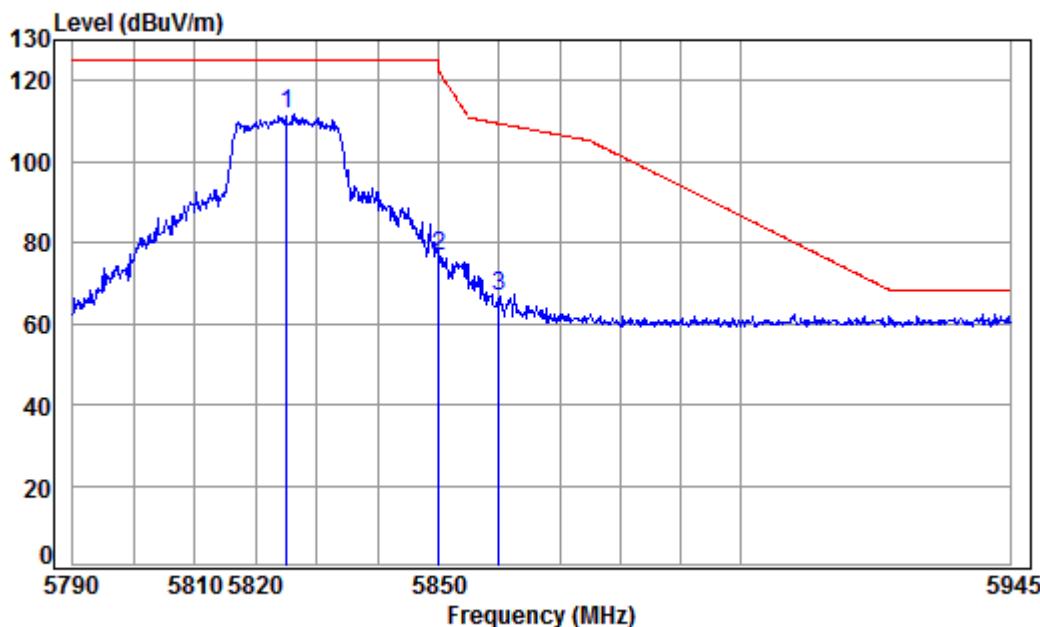
Condition: 3m VERTICAL

Job No : 03478CR

Mode : 5745 Band edge  
: 5G WIFI 11N20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	9.61	34.82	41.85	63.27	65.85	109.40	-43.55 peak
2	5725.000	9.64	34.83	41.84	77.02	79.65	122.20	-42.55 peak
3 pp	5745.000	9.71	34.85	41.82	104.15	106.89	125.20	-18.31 peak

Mode:f; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:High



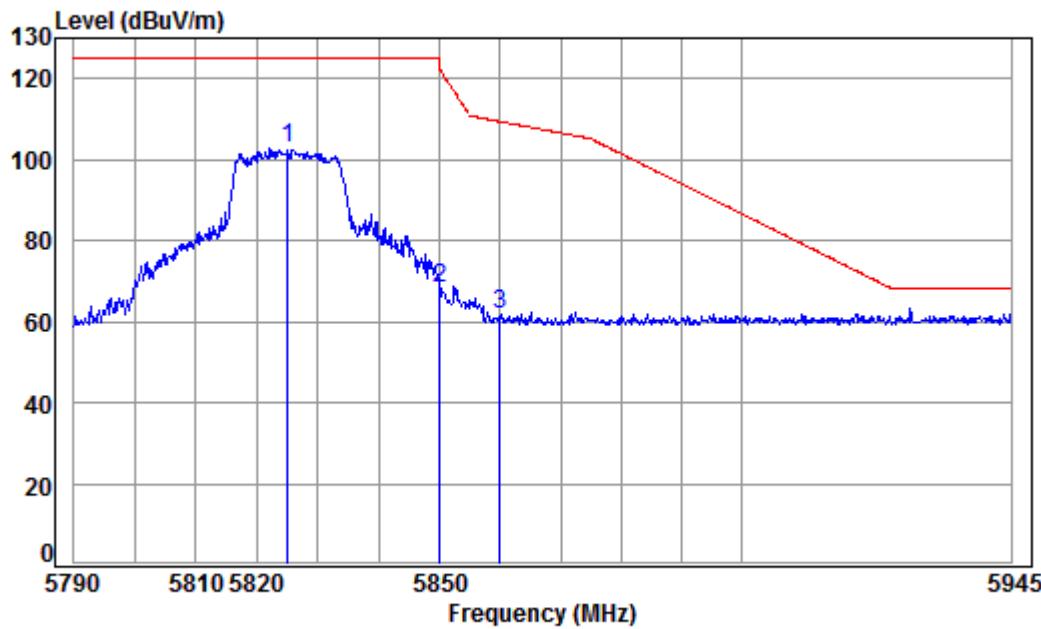
Condition: 3m HORIZONTAL

Job No : 03478CR

Mode : 5825 Band edge  
: 5G WIFI 11N20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5825.000	9.98	34.93	41.75	108.47	111.63	125.20	-13.57 peak
2		5850.000	10.07	34.95	41.73	73.29	76.58	122.20	-45.62 peak
3		5860.000	10.10	34.96	41.72	63.32	66.66	109.40	-42.74 peak

Mode:f; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:High



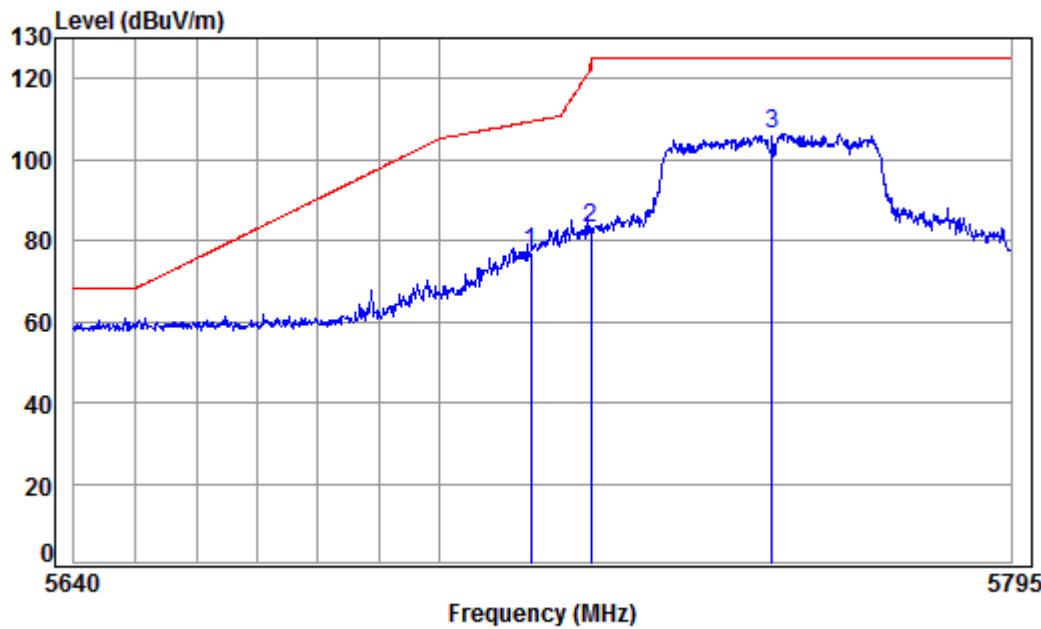
Condition: 3m VERTICAL

Job No : 03478CR

Mode : 5825 Band edge  
: 5G WIFI 11N20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5825.000	9.98	34.93	41.75	99.42	102.58	125.20	-22.62 peak
2		5850.000	10.07	34.95	41.73	65.16	68.45	122.20	-53.75 peak
3		5860.000	10.10	34.96	41.72	58.30	61.64	109.40	-47.76 peak

Mode:f; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:Low



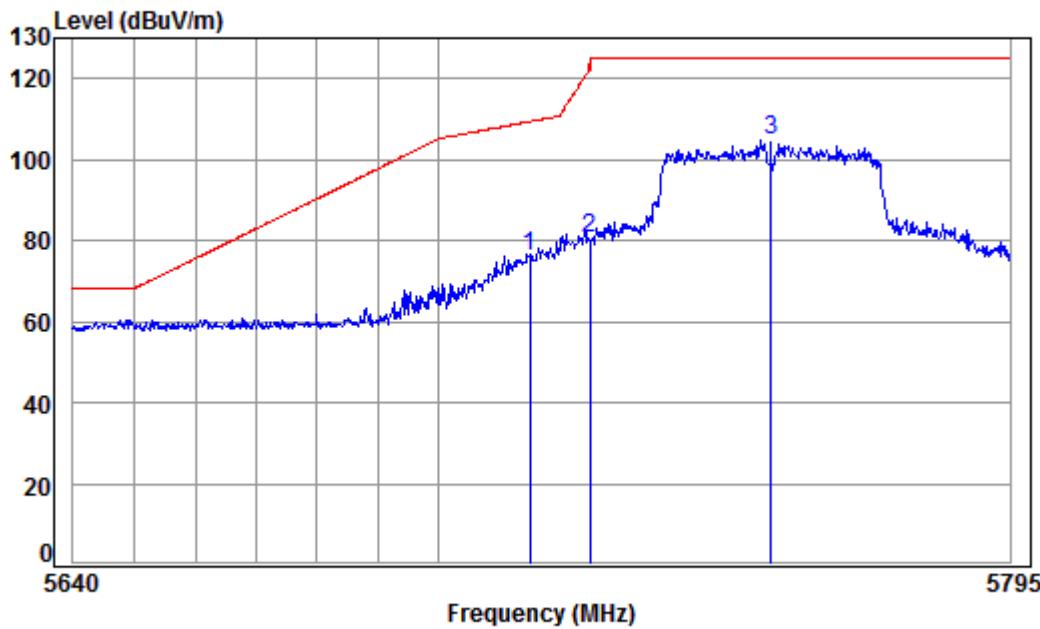
Condition: 3m HORIZONTAL

Job No : 03478CR

Mode : 5755 Band edge  
: 5G WIFI 11N40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	9.61	34.82	41.85	74.29	76.87	109.40	-32.53 peak
2	5725.000	9.64	34.83	41.84	80.60	83.23	122.20	-38.97 peak
3 pp	5755.000	9.75	34.86	41.81	103.67	106.47	125.20	-18.73 peak

Mode:f; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:Low



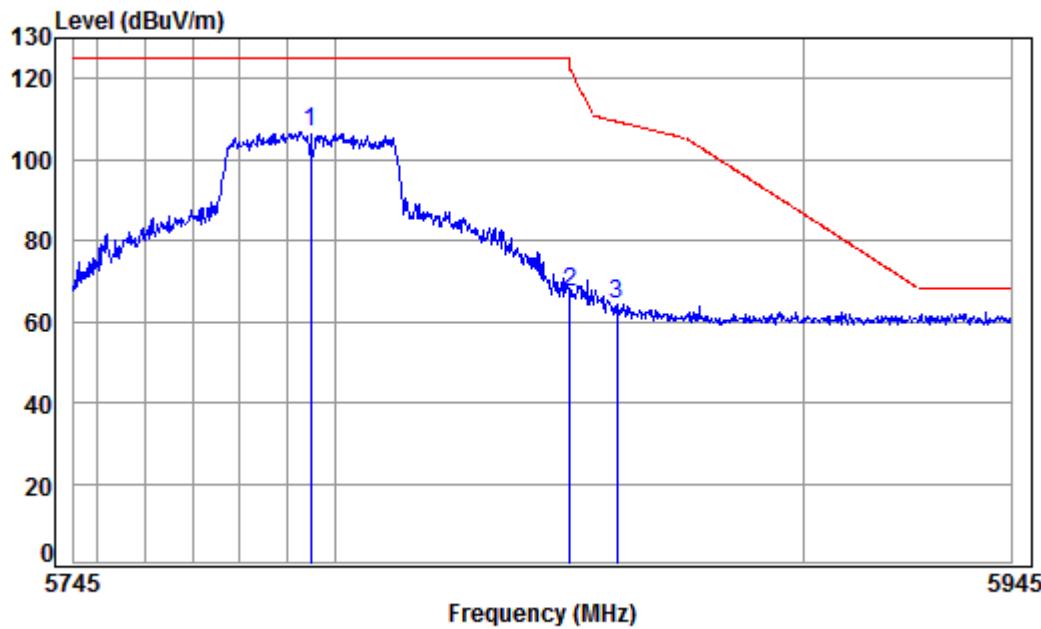
Condition: 3m VERTICAL

Job No : 03478CR

Mode : 5755 Band edge  
: 5G WIFI 11N40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	9.61	34.82	41.85	73.41	75.99	109.40	-33.41 peak
2	5725.000	9.64	34.83	41.84	77.77	80.40	122.20	-41.80 peak
3 pp	5755.000	9.75	34.86	41.81	101.81	104.61	125.20	-20.59 peak

Mode:f; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:High



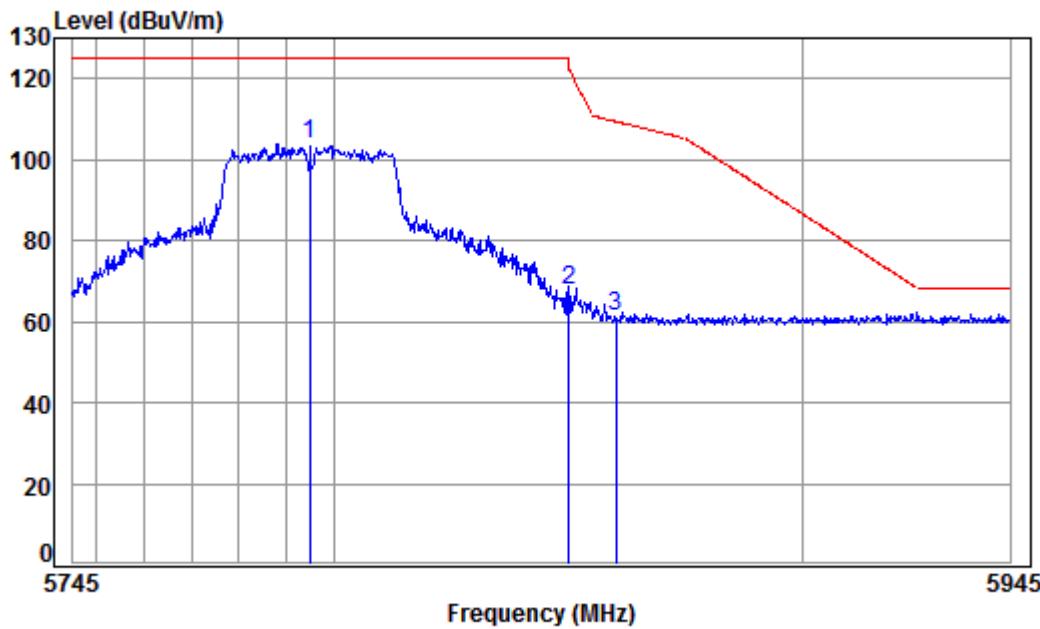
Condition: 3m HORIZONTAL

Job No : 03478CR

Mode : 5795 Band edge  
: 5G WIFI 11N40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5795.000	9.88	34.90	41.78	103.65	106.65	125.20	-18.55 peak
2	5850.000	10.07	34.95	41.73	63.77	67.06	122.20	-55.14 peak
3	5860.000	10.10	34.96	41.72	60.78	64.12	109.40	-45.28 peak

Mode:f; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:High



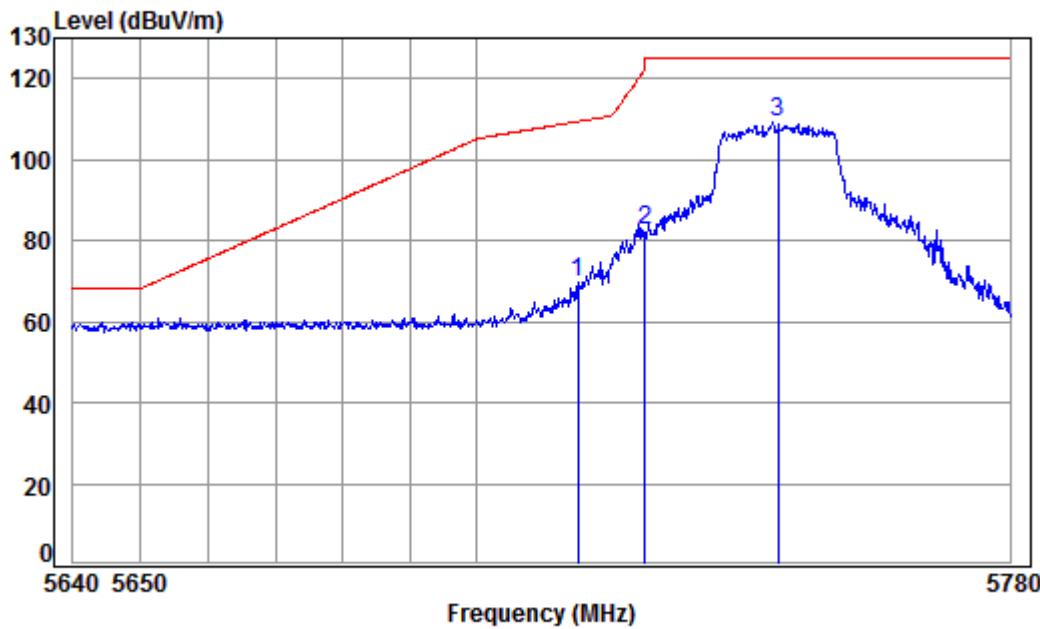
Condition: 3m VERTICAL

Job No : 03478CR

Mode : 5795 Band edge  
: 5G WIFI 11N40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
1 pp	5795.000	9.88	34.90	41.78	100.88	103.88	125.20 -21.32 peak
2	5850.000	10.07	34.95	41.73	64.42	67.71	122.20 -54.49 peak
3	5860.000	10.10	34.96	41.72	57.91	61.25	109.40 -48.15 peak

Mode:f; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



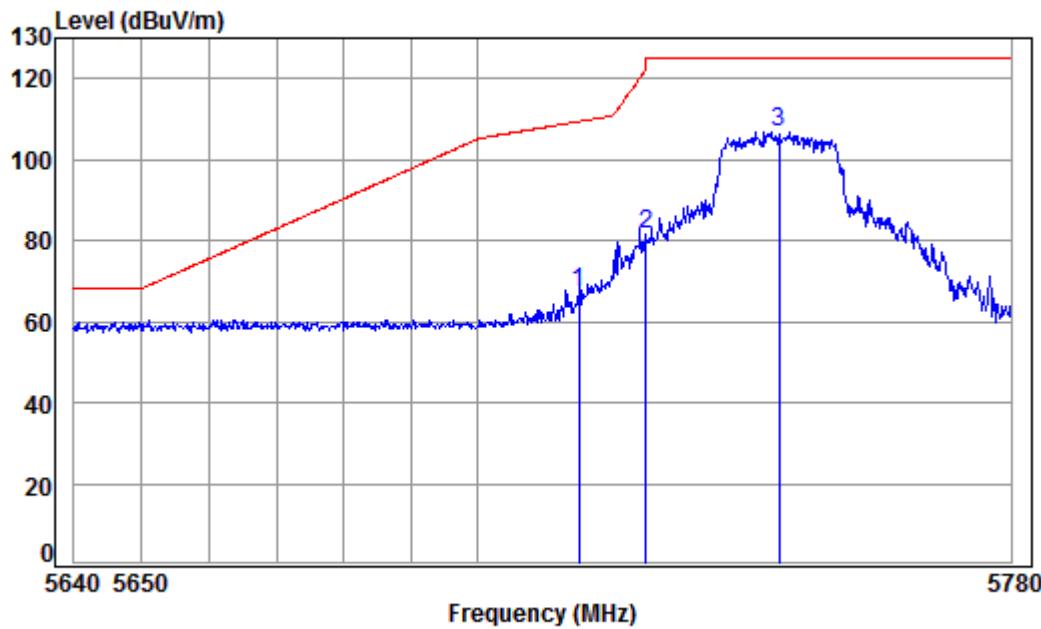
Condition: 3m HORIZONTAL

Job No : 03478CR

Mode : 5745 Band edge  
: 5G WIFI 11AC20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	9.61	34.82	41.85	66.90	69.48	109.40	-39.92 peak
2	5725.000	9.64	34.83	41.84	79.84	82.47	122.20	-39.73 peak
3 pp	5745.000	9.71	34.85	41.82	106.41	109.15	125.20	-16.05 peak

Mode:f; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



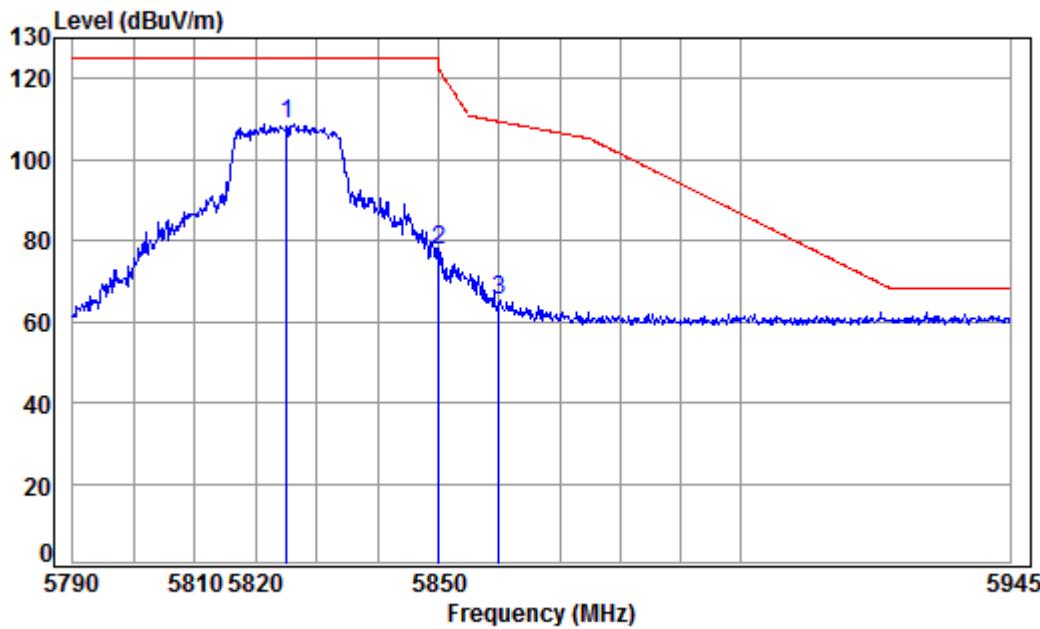
Condition: 3m VERTICAL

Job No : 03478CR

Mode : 5745 Band edge  
: 5G WIFI 11AC20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	9.61	34.82	41.85	64.85	67.43	109.40	-41.97	peak
2	5725.000	9.64	34.83	41.84	78.93	81.56	122.20	-40.64	peak
3 pp	5745.000	9.71	34.85	41.82	103.98	106.72	125.20	-18.48	peak

Mode:f; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:High



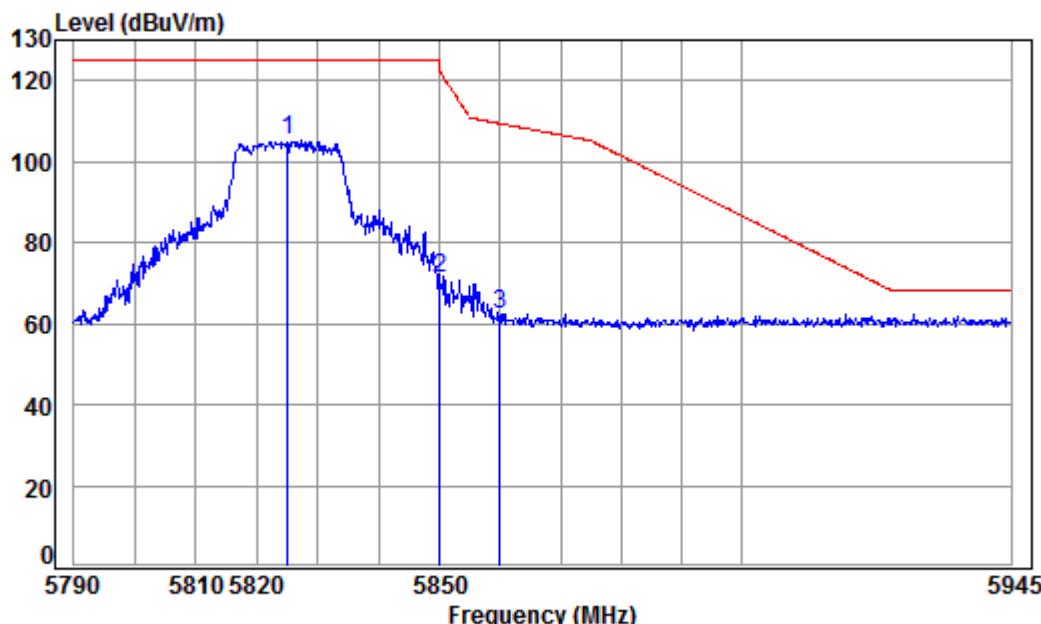
Condition: 3m HORIZONTAL

Job No : 03478CR

Mode : 5825 Band edge  
: 5G WIFI 11AC20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5825.000	9.98	34.93	41.75	105.64	108.80	125.20	-16.40
2		5850.000	10.07	34.95	41.73	74.37	77.66	122.20	-44.54
3		5860.000	10.10	34.96	41.72	61.73	65.07	109.40	-44.33

Mode:f; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:High



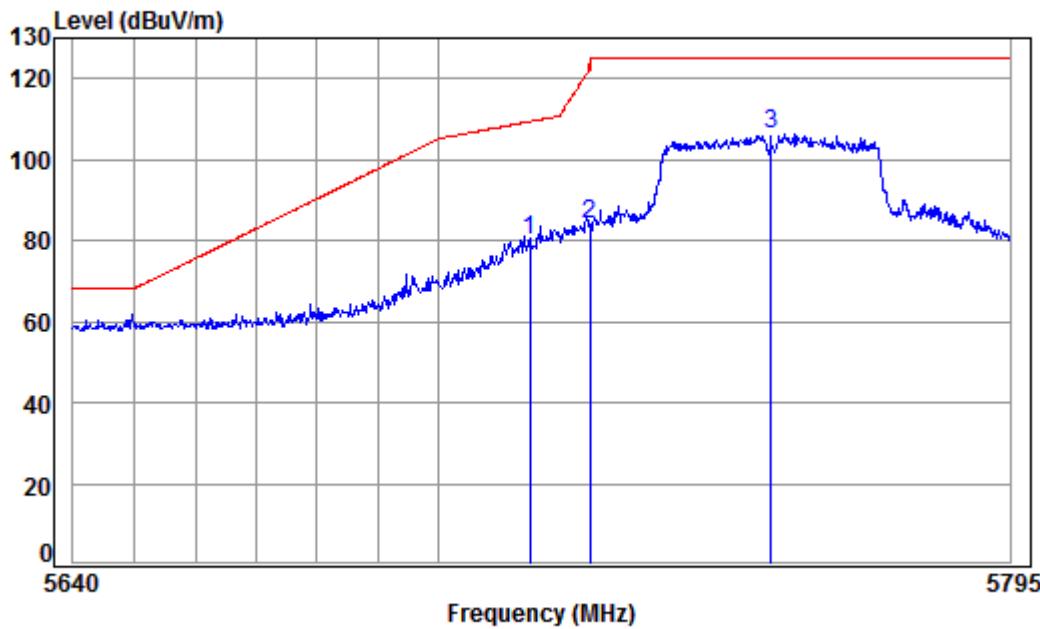
Condition: 3m VERTICAL

Job No : 03478CR

Mode : 5825 Band edge  
: 5G WIFI 11AC20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5825.000	9.98	34.93	41.75	102.04	105.20	125.20	-20.00 peak
2		5850.000	10.07	34.95	41.73	68.10	71.39	122.20	-50.81 peak
3		5860.000	10.10	34.96	41.72	59.14	62.48	109.40	-46.92 peak

Mode:f; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



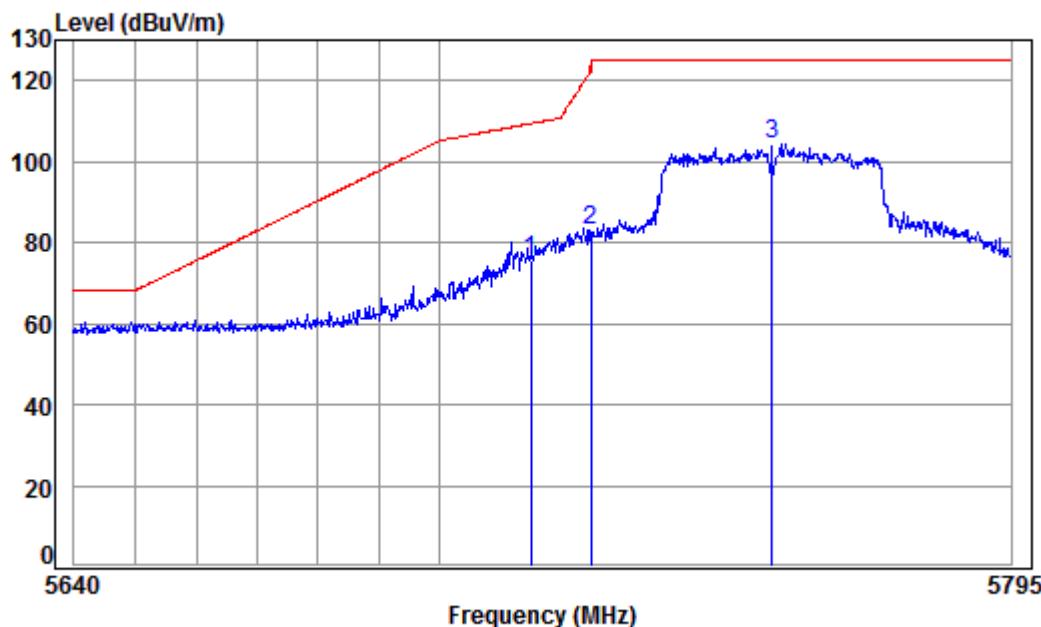
Condition: 3m HORIZONTAL

Job No : 03478CR

Mode : 5755 Band edge  
: 5G WIFI 11AC40

	Cable Freq	Ant Loss	Preamp Factor	Read dB	Level dBuV	Level dBuV/m	Limit dBuV/m	Over Line	Over Limit dB	Remark
1	5715.000	9.61	34.82	41.85	77.39	79.97	109.40	-29.43	peak	
2	5725.000	9.64	34.83	41.84	81.54	84.17	122.20	-38.03	peak	
3 pp	5755.000	9.75	34.86	41.81	103.66	106.46	125.20	-18.74	peak	

Mode:f; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



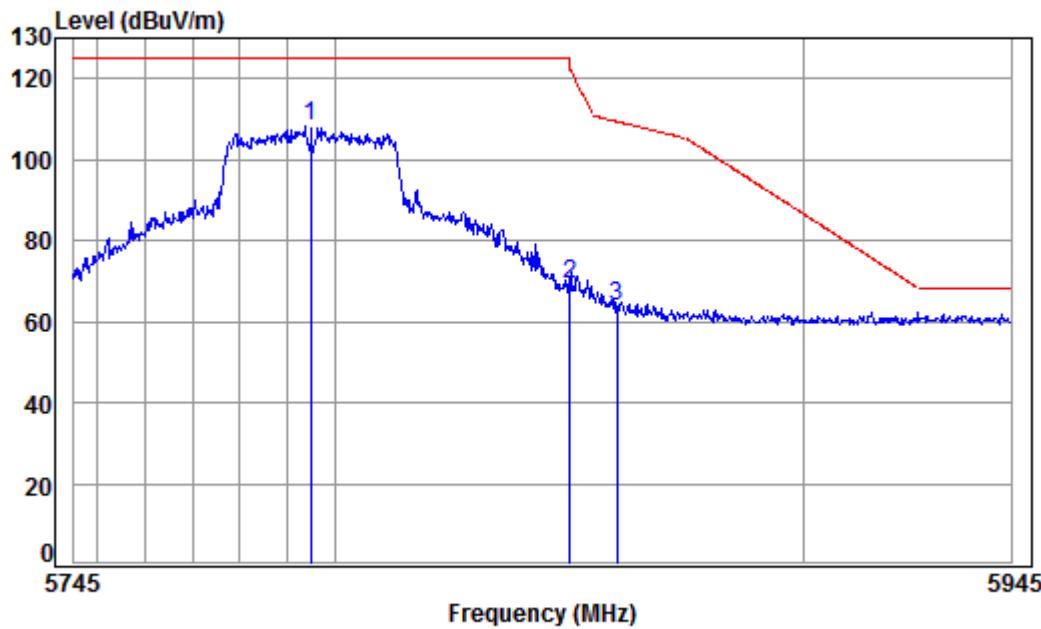
Condition: 3m VERTICAL

Job No : 03478CR

Mode : 5755 Band edge  
: 5G WIFI 11AC40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5715.000	9.61	34.82	41.85	72.87	75.45	109.40	-33.95 peak
2	5725.000	9.64	34.83	41.84	80.35	82.98	122.20	-39.22 peak
3 pp	5755.000	9.75	34.86	41.81	101.38	104.18	125.20	-21.02 peak

Mode:f; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:High



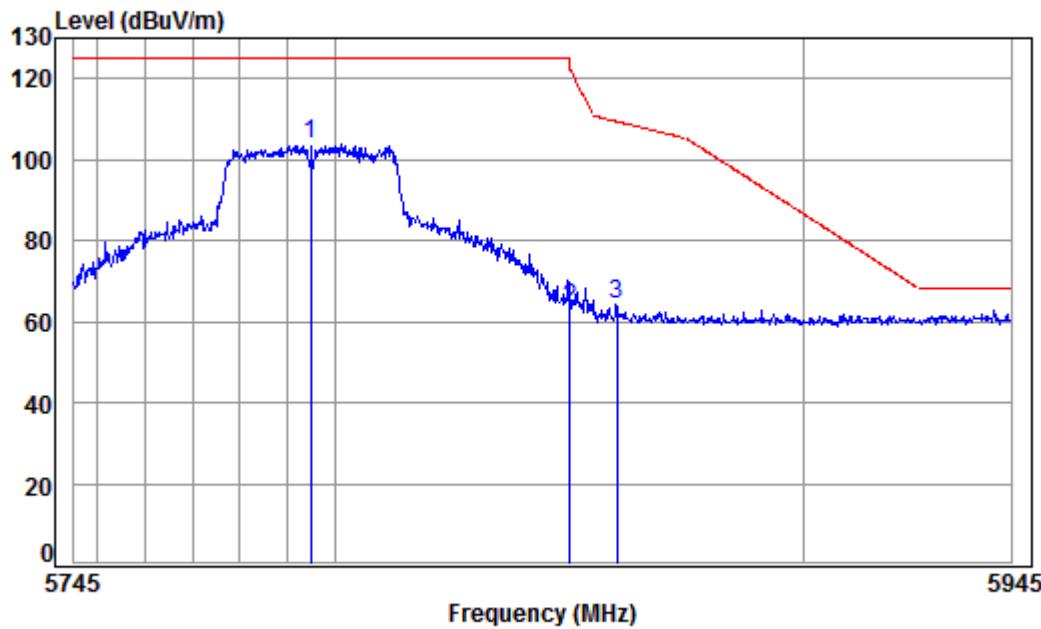
Condition: 3m HORIZONTAL

Job No : 03478CR

Mode : 5795 Band edge  
: 5G WIFI 11AC40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5795.000	9.88	34.90	41.78	105.44	108.44	125.20	-16.76 peak
2		5850.000	10.07	34.95	41.73	65.88	69.17	122.20	-53.03 peak
3		5860.000	10.10	34.96	41.72	60.42	63.76	109.40	-45.64 peak

Mode:f; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:High



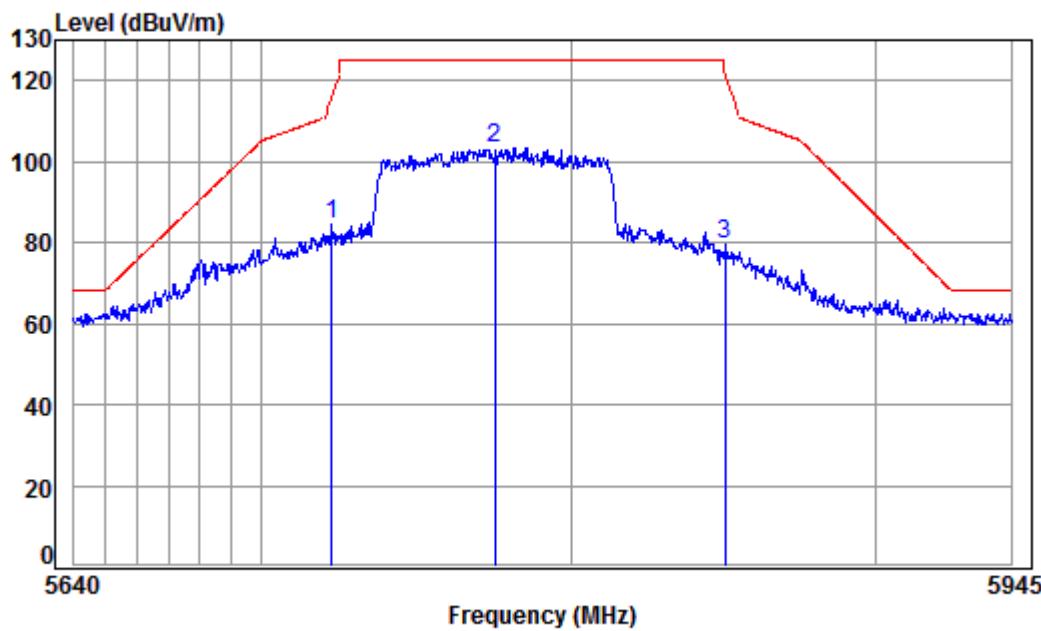
Condition: 3m VERTICAL

Job No : 03478CR

Mode : 5795 Band edge  
: 5G WIFI 11AC40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5795.000	9.88	34.90	41.78	100.68	103.68	125.20	-21.52 peak
2		5850.000	10.07	34.95	41.73	59.86	63.15	122.20	-59.05 peak
3		5860.000	10.10	34.96	41.72	60.73	64.07	109.40	-45.33 peak

Mode:f; Polarization:Horizontal; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



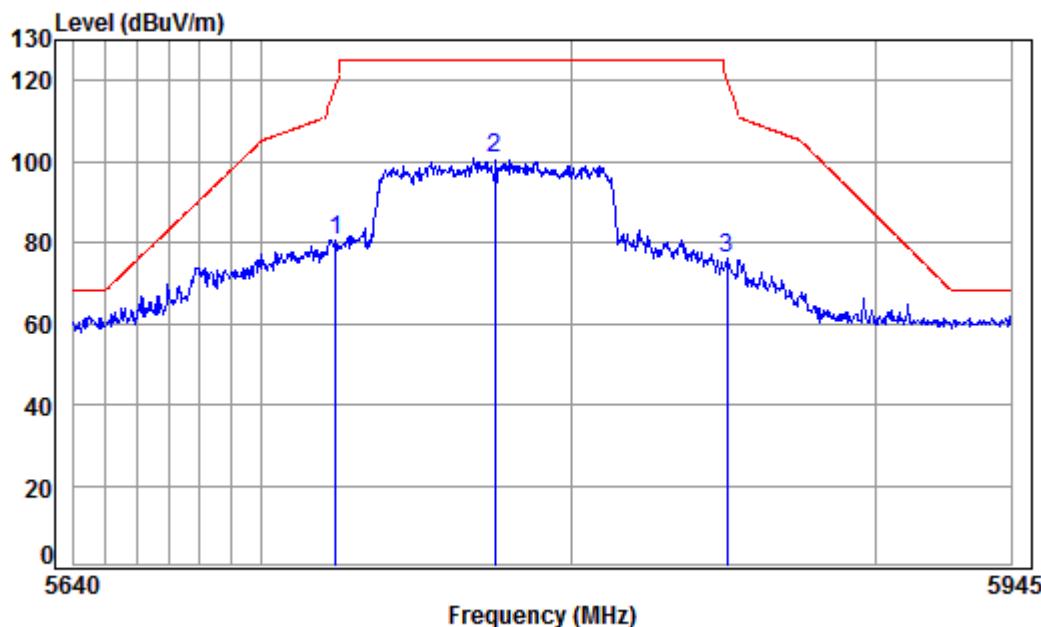
Condition: 3m HORIZONTAL

Job No : 03478CR

 Mode : 5775 Band edge  
 : 5G WIFI 11AC80

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5722.280	9.63	34.83	41.84	81.78	84.40	116.00	-31.60 peak
2 pp	5775.000	9.81	34.88	41.79	100.38	103.28	125.20	-21.92 peak
3	5850.267	10.07	34.95	41.73	76.51	79.80	121.59	-41.79 peak

Mode:f; Polarization:Vertical; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

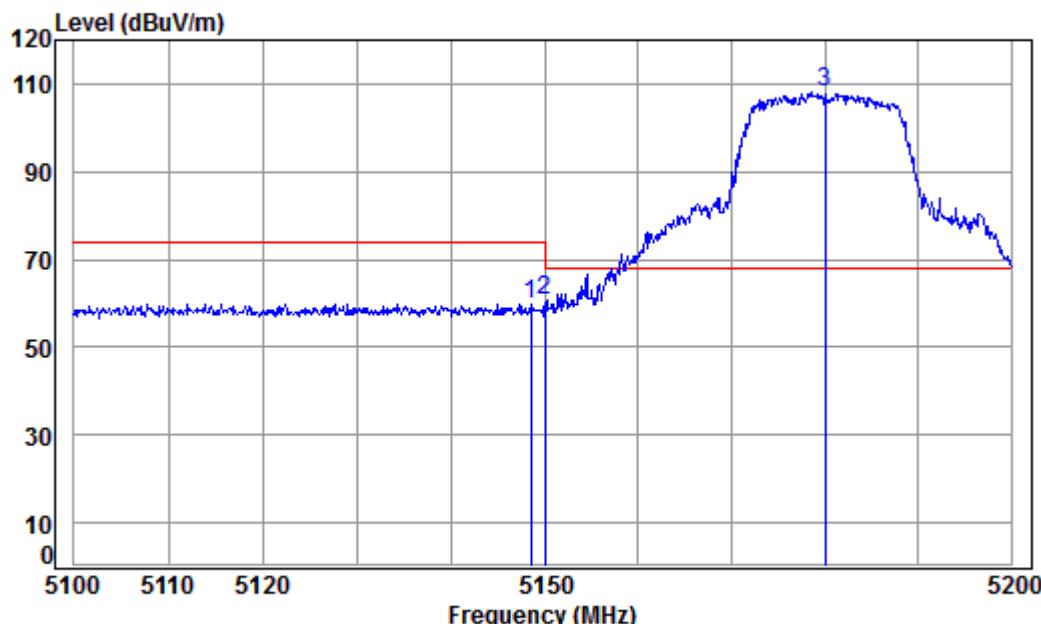
Job No : 03478CR

Mode : 5775 Band edge  
: 5G WIFI 11AC80

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5723.486	9.64	34.83	41.84	78.18	80.81	118.75	-37.94 peak
2 pp	5775.000	9.81	34.88	41.79	97.70	100.60	125.20	-24.60 peak
3	5850.883	10.07	34.96	41.73	73.06	76.36	120.19	-43.83 peak

Antenna2:

Mode:c; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

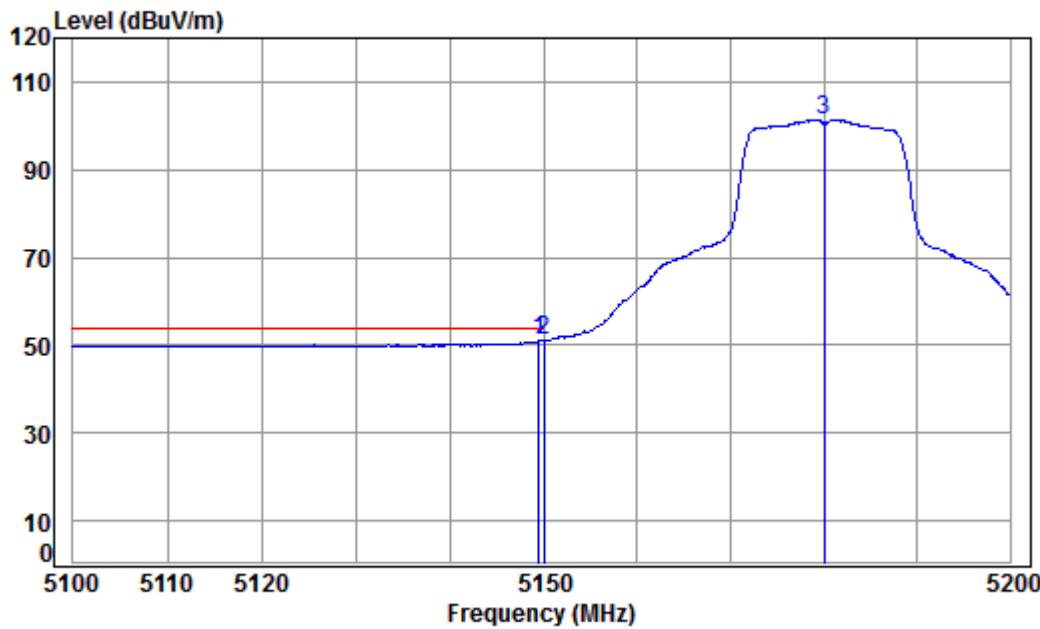
Job No : 03478CR

Mode : 5180 Band edge

Note : 5G WIFI 11A

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5148.558	8.32	34.32	42.36	59.69	59.97	74.00	-14.03 peak
2	5149.980	8.33	34.32	42.36	60.24	60.53	74.00	-13.47 peak
3 pp	5180.000	8.37	34.35	42.33	107.53	107.92	68.20	39.72 peak

Mode:c; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

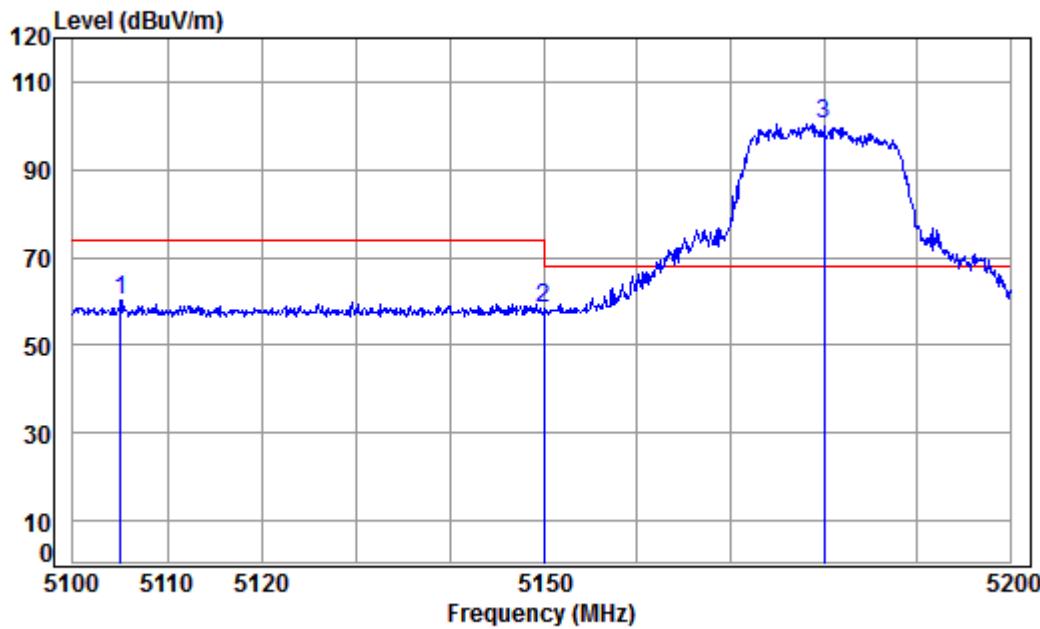
Job No : 03478CR

Mode : 5180 Band edge

Note : 5G WIFI 11A

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5149.458	8.32	34.32	42.36	50.64	50.92	54.00	-3.08 Average
2 pp	5149.980	8.33	34.32	42.36	50.83	51.12	54.00	-2.88 Average
3	5180.000	8.37	34.35	42.33	101.05	101.44	-----	----- Average

Mode:c; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

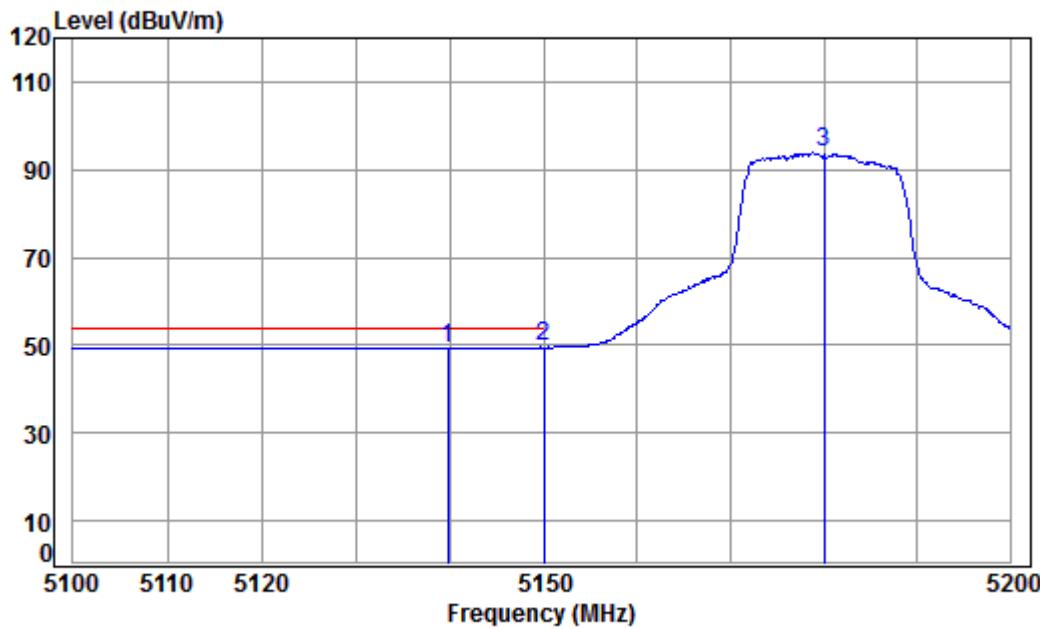
Job No : 03478CR

Mode : 5180 Band edge

Note : 5G WIFI 11A

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5105.053	8.26	34.29	42.40	59.94	60.09	74.00	-13.91 Peak
2	5149.980	8.33	34.32	42.36	58.16	58.45	74.00	-15.55 Peak
3 pp	5180.000	8.37	34.35	42.33	99.85	100.24	68.20	32.04 Peak

Mode:c; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

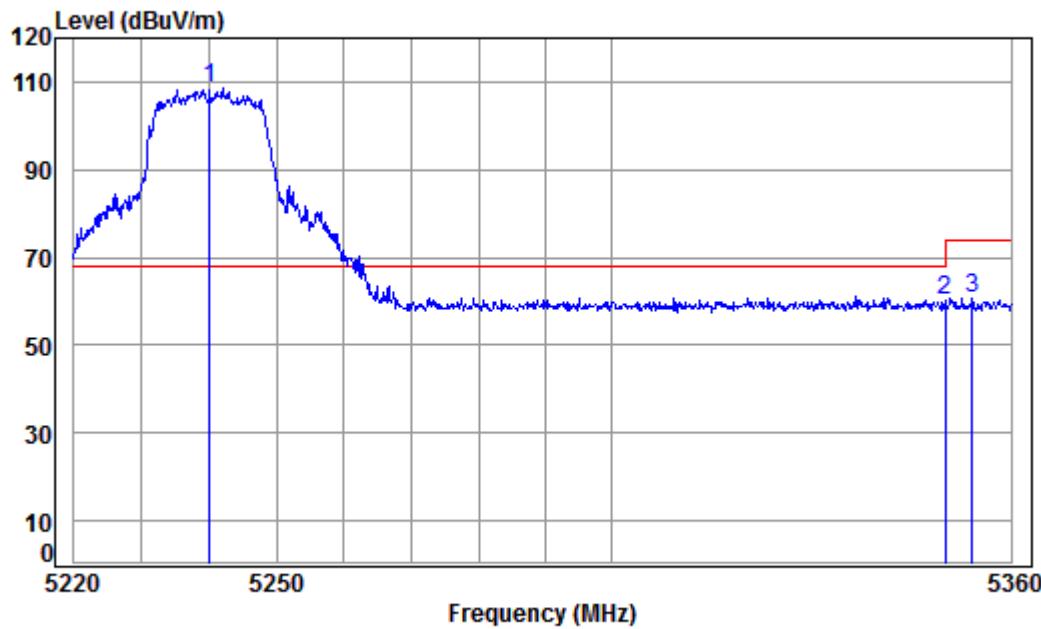
Job No : 03478CR

Mode : 5180 Band edge

Note : 5G WIFI 11A

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5139.767	8.31	34.32	42.37	49.22	49.48	54.00	-4.52 Average
2 pp	5149.980	8.33	34.32	42.36	49.24	49.53	54.00	-4.47 Average
3	5180.000	8.37	34.35	42.33	93.45	93.84	-----	----- Average

Mode:c; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

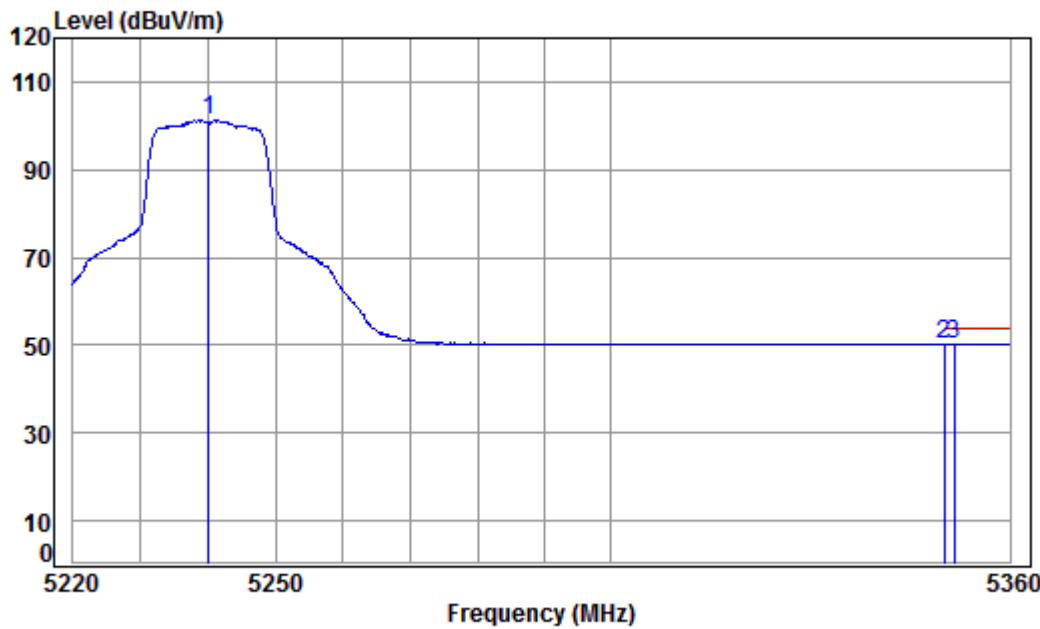
Job No : 03478CR

Mode : 5240 Band edge

Note : 5G WIFI 11A

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5240.000	8.46	34.40	42.27	107.88	108.47	68.20	40.27 peak
2	5350.020	8.63	34.48	42.17	59.15	60.09	74.00	-13.91 peak
3	5354.187	8.64	34.49	42.17	59.79	60.75	74.00	-13.25 peak

Mode:c; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

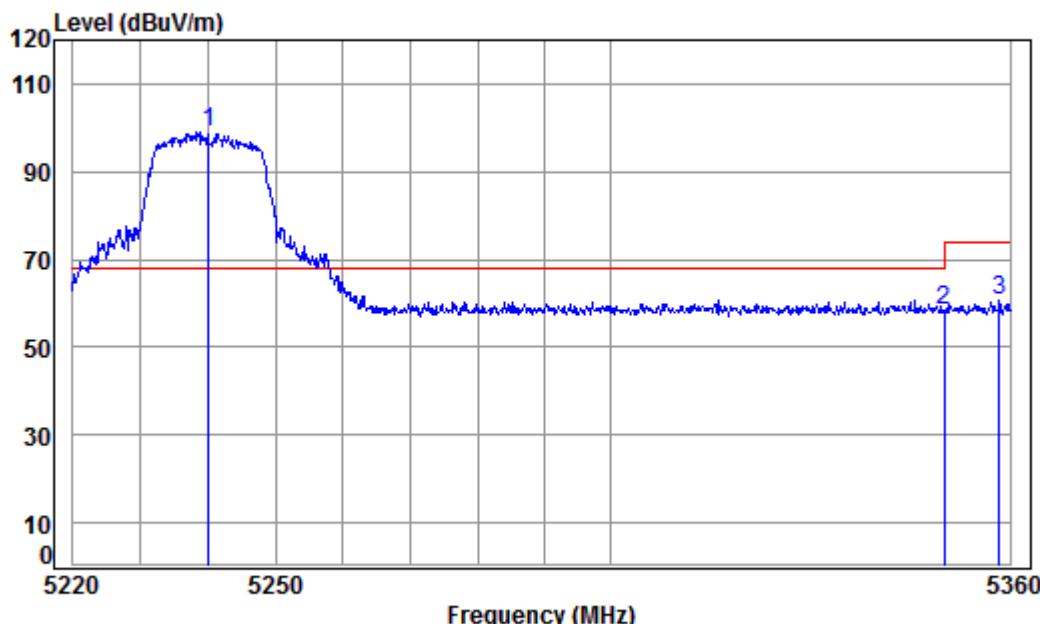
Job No : 03478CR

Mode : 5240 Band edge

Note : 5G WIFI 11A

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.000	8.46	34.40	42.27	100.71	101.30	-----	----- Average
2	5350.020	8.63	34.48	42.17	49.29	50.23	54.00	-3.77 Average
3 pp	5351.495	8.63	34.49	42.17	49.42	50.37	54.00	-3.63 Average

Mode:c; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

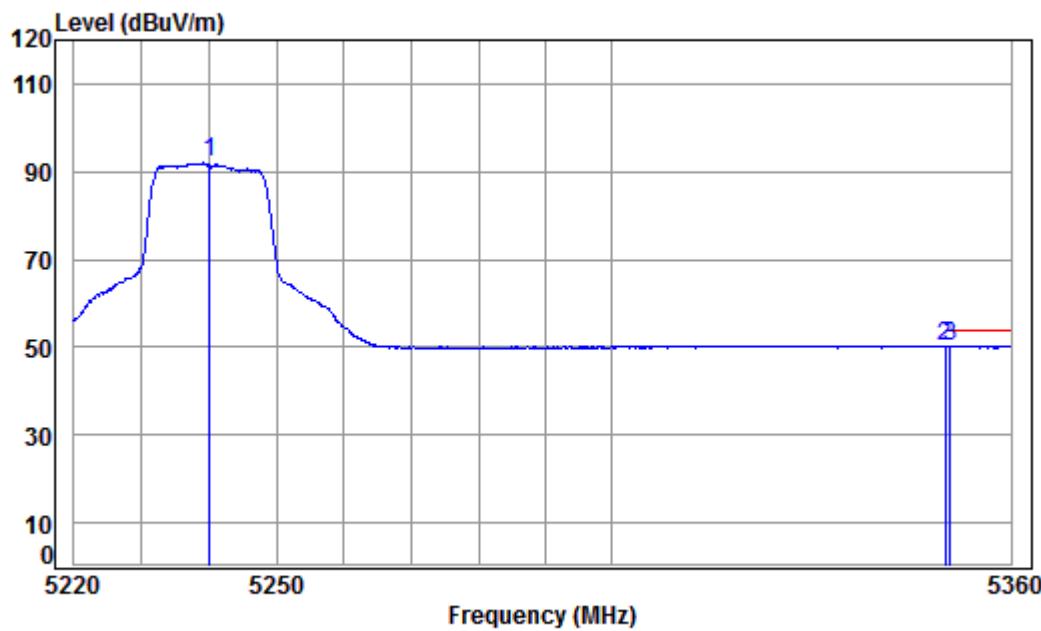
Job No : 03478CR

Mode : 5240 Band edge

Note : 5G WIFI 11A

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp 5240.000	8.46	34.40	42.27	98.30	98.89	68.20	30.69 Peak
2	5350.020	8.63	34.48	42.17	57.52	58.46	74.00	-15.54 Peak
3	5358.440	8.64	34.49	42.16	59.53	60.50	74.00	-13.50 Peak

Mode:c; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

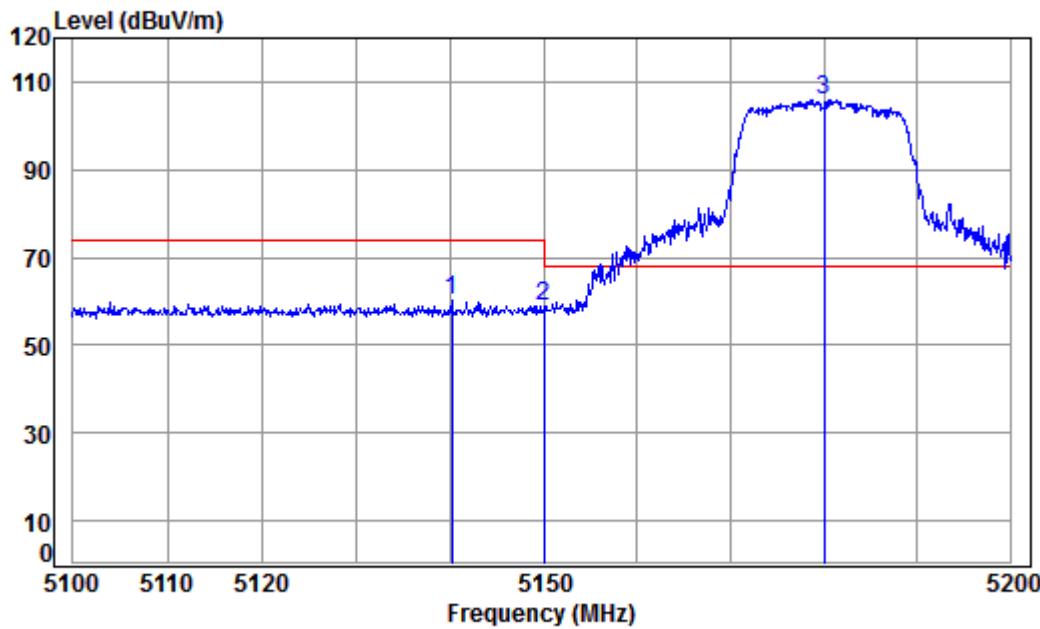
Job No : 03478CR

Mode : 5240 Band edge

Note : 5G WIFI 11A

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.000	8.46	34.40	42.27	91.35	91.94	-----	Average
2 pp	5350.020	8.63	34.48	42.17	49.22	50.16	54.00	-3.84 Average
3	5350.787	8.63	34.48	42.17	49.20	50.14	54.00	-3.86 Average

Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

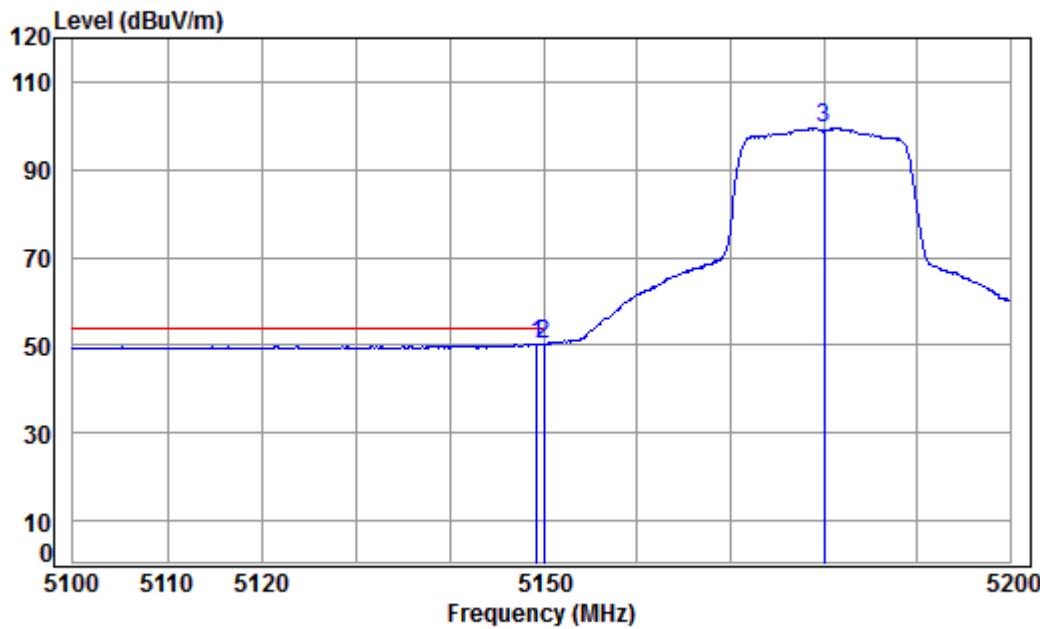
Job No : 03478CR

Mode : 5180 Band edge

Note : 5G WIFI 11N 20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5140.167	8.31	34.32	42.36	59.85	60.12	74.00	-13.88 peak
2	5149.980	8.33	34.32	42.36	58.71	59.00	74.00	-15.00 peak
3 pp	5180.000	8.37	34.35	42.33	105.46	105.85	68.20	37.65 peak

Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

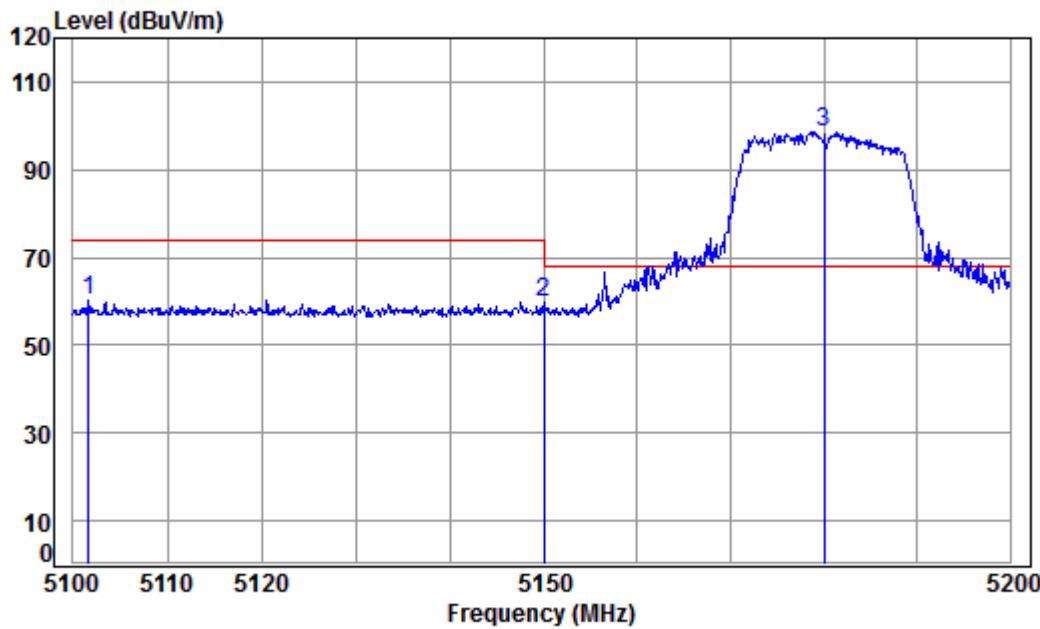
Job No : 03478CR

Mode : 5180 Band edge

Note : 5G WIFI 11N 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit dB	Over Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	
1		5149.257	8.32	34.32	42.36	49.93	50.21	54.00	-3.79 Average
2	pp	5149.980	8.33	34.32	42.36	49.98	50.27	54.00	-3.73 Average
3		5180.000	8.37	34.35	42.33	99.12	99.51	-----	----- Average

Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

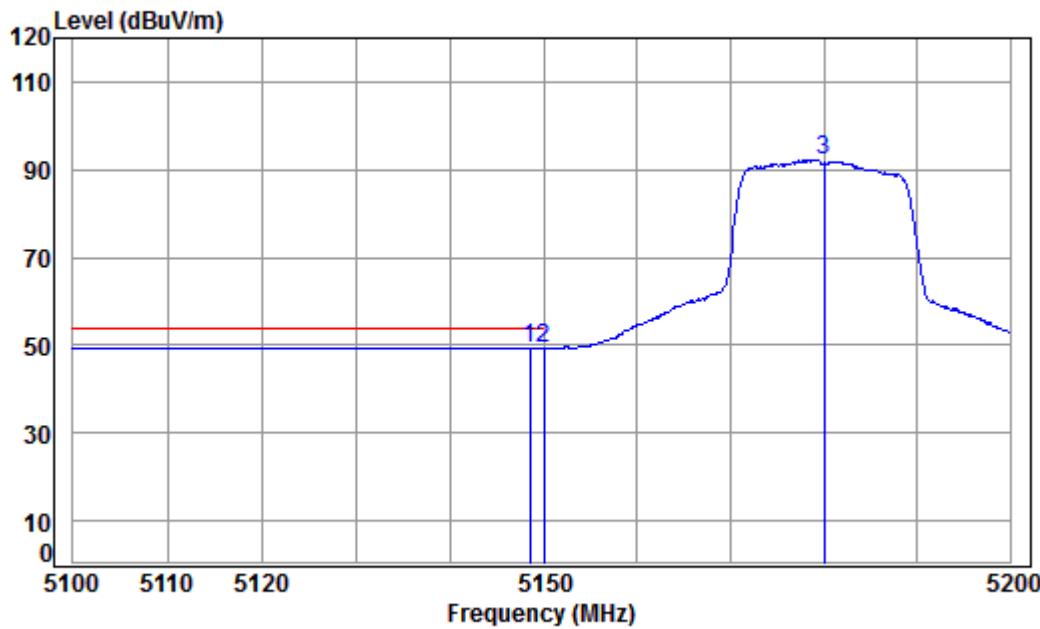
Job No : 03478CR

Mode : 5180 Band edge

Note : 5G WIFI 11N 20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5101.684	8.25	34.28	42.40	60.22	60.35	74.00	-13.65 Peak
2	5149.980	8.33	34.32	42.36	59.38	59.67	74.00	-14.33 Peak
3 pp	5180.000	8.37	34.35	42.33	98.20	98.59	68.20	30.39 Peak

Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

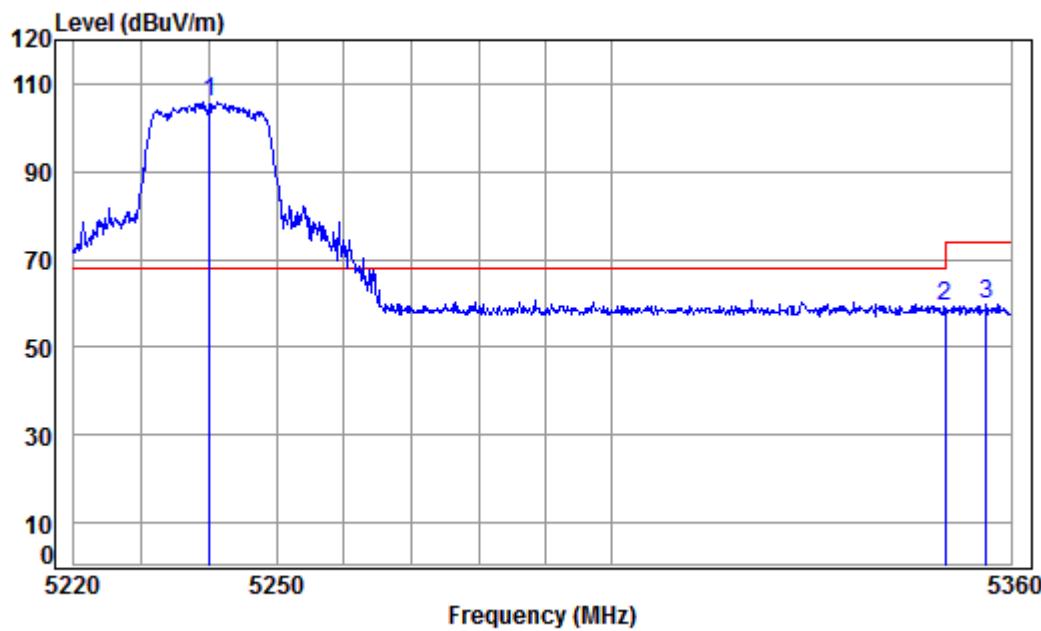
Job No : 03478CR

Mode : 5180 Band edge

Note : 5G WIFI 11N 20

	Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB
1 pp	5148.558	8.32	34.32	42.36	49.15	49.43	54.00
2	5149.980	8.33	34.32	42.36	49.10	49.39	54.00
3	5180.000	8.37	34.35	42.33	91.85	92.24	-----

Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

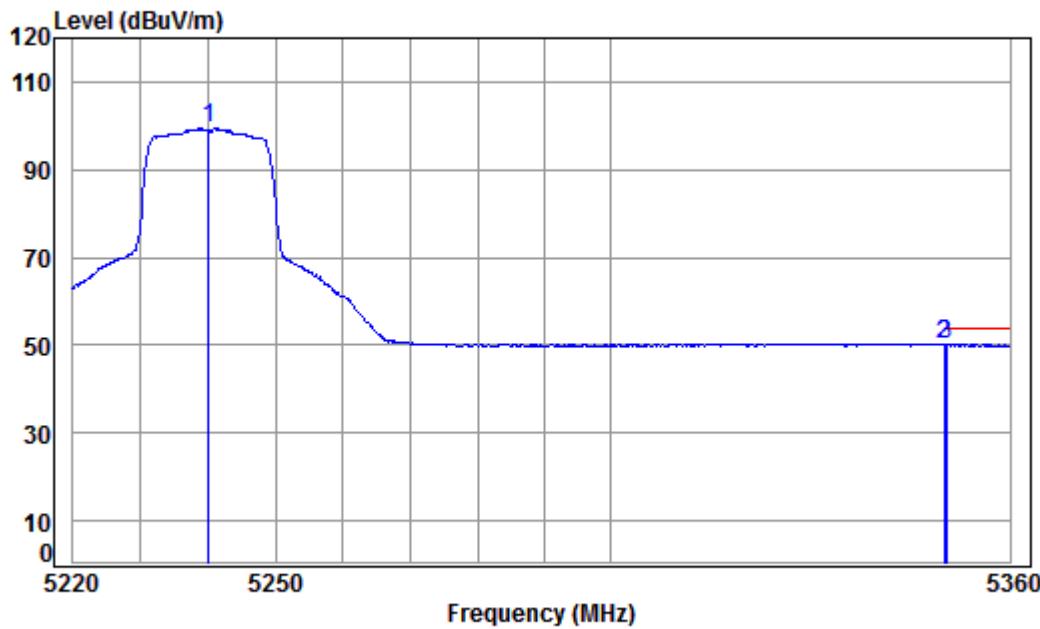
Job No : 03478CR

Mode : 5240 Band edge

Note : 5G WIFI 11N 20

	Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB
1 pp	5240.000	8.46	34.40	42.27	105.29	105.88	68.20
2	5350.020	8.63	34.48	42.17	58.28	59.22	74.00
3	5356.313	8.64	34.49	42.16	58.82	59.79	74.00

Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

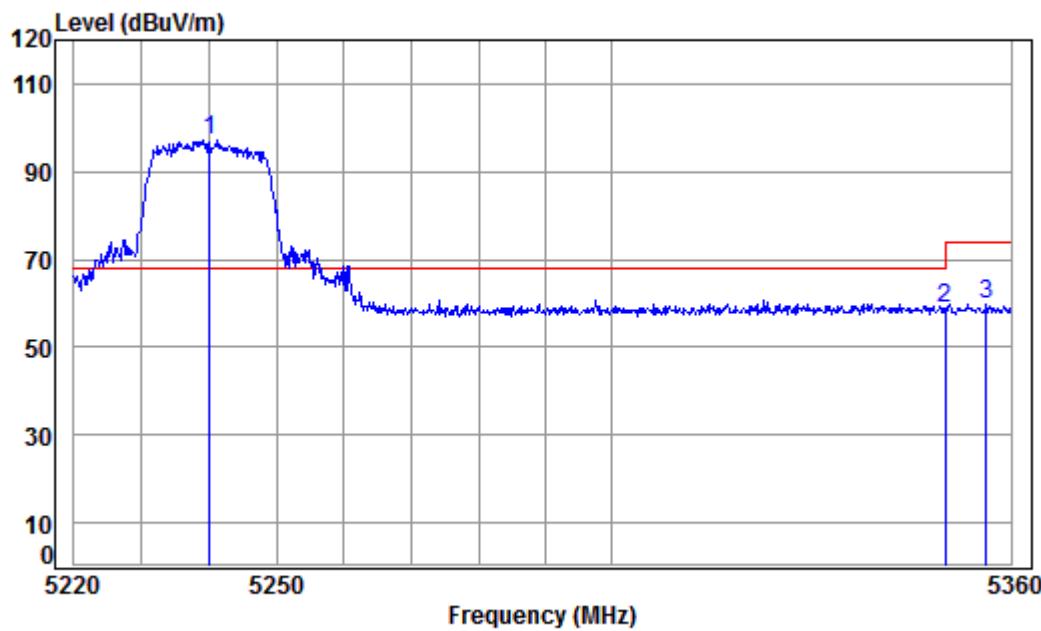
Job No : 03478CR

Mode : 5240 Band edge

Note : 5G WIFI 11N 20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Line dB	Over Line Remark
1	5240.000	8.46	34.40	42.27	98.77	99.36	-----	-----	Average
2 pp	5350.020	8.63	34.48	42.17	49.14	50.08	54.00	-3.92	Average
3	5350.362	8.63	34.48	42.17	49.13	50.07	54.00	-3.93	Average

Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

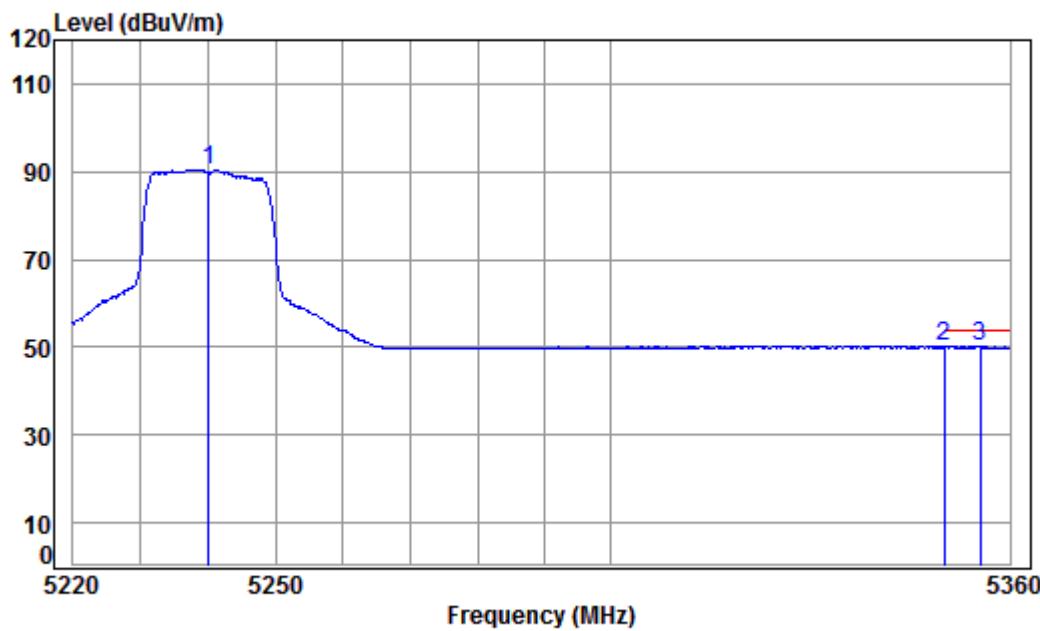
Job No : 03478CR

Mode : 5240 Band edge

Note : 5G WIFI 11N 20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
1 pp	5240.000	8.46	34.40	42.27	96.62	97.21	68.20 29.01 Peak
2	5350.020	8.63	34.48	42.17	58.01	58.95	74.00 -15.05 Peak
3	5356.313	8.64	34.49	42.16	58.80	59.77	74.00 -14.23 Peak

Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

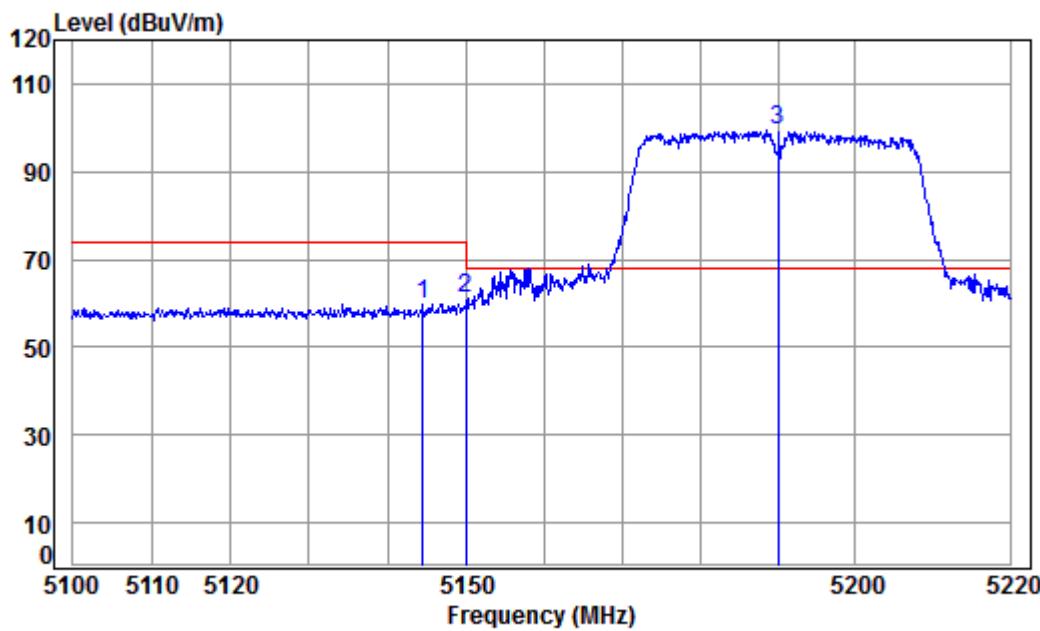
Job No : 03478CR

Mode : 5240 Band edge

Note : 5G WIFI 11N 20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.000	8.46	34.40	42.27	89.96	90.55	-----	Average
2	5350.020	8.63	34.48	42.17	49.04	49.98	54.00	-4.02 Average
3 pp	5355.462	8.64	34.49	42.16	49.09	50.06	54.00	-3.94 Average

Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

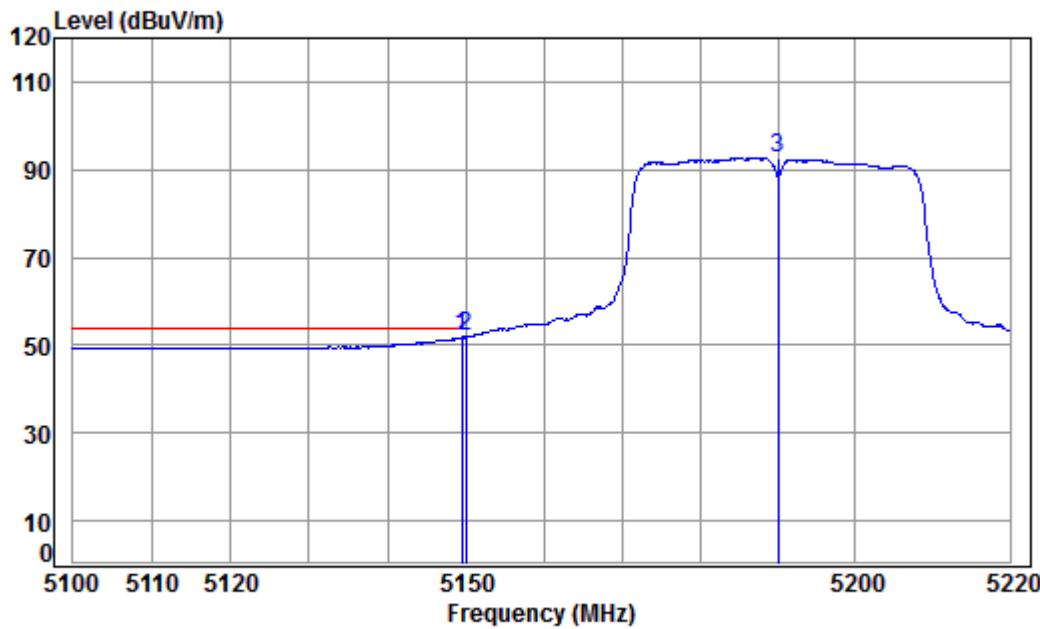
Job No : 03478CR

Mode : 5190 Band edge

Note : 5G WIFI 11N 40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5144.434	8.32	34.32	42.36	59.65	59.93	74.00	-14.07	peak
2	5149.980	8.33	34.32	42.36	60.75	61.04	74.00	-12.96	peak
3 pp	5190.000	8.39	34.36	42.32	98.91	99.34	68.20	31.14	peak

Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

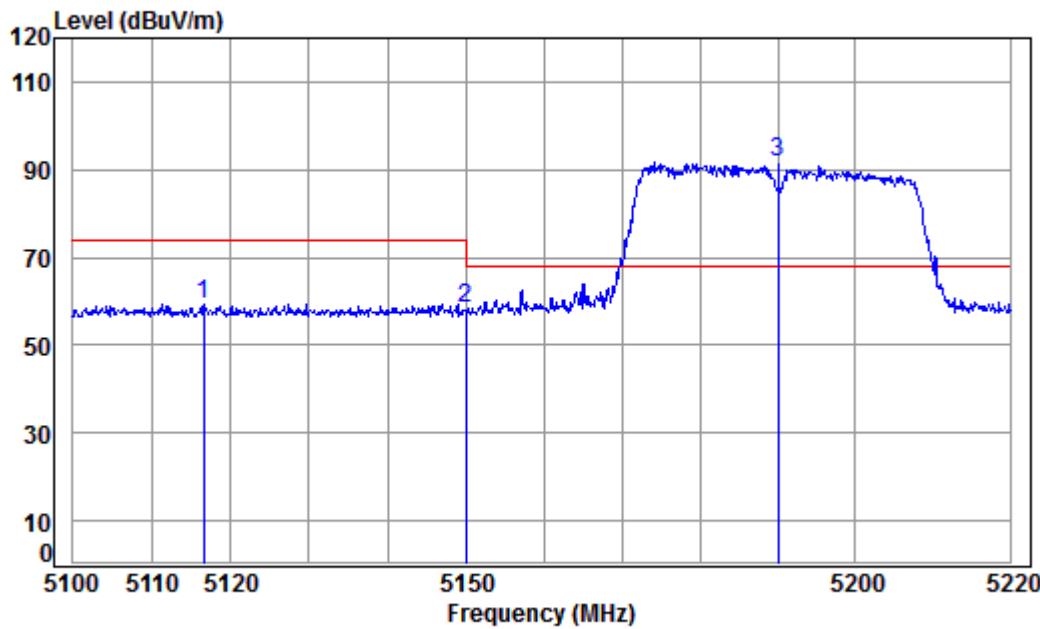
Job No : 03478CR

Mode : 5190 Band edge

Note : 5G WIFI 11N 40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5149.461	8.32	34.32	42.36	51.57	51.85	54.00	-2.15 Average
2 pp	5149.980	8.33	34.32	42.36	51.72	52.01	54.00	-1.99 Average
3	5190.000	8.39	34.36	42.32	92.18	92.61	-----	Average

Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

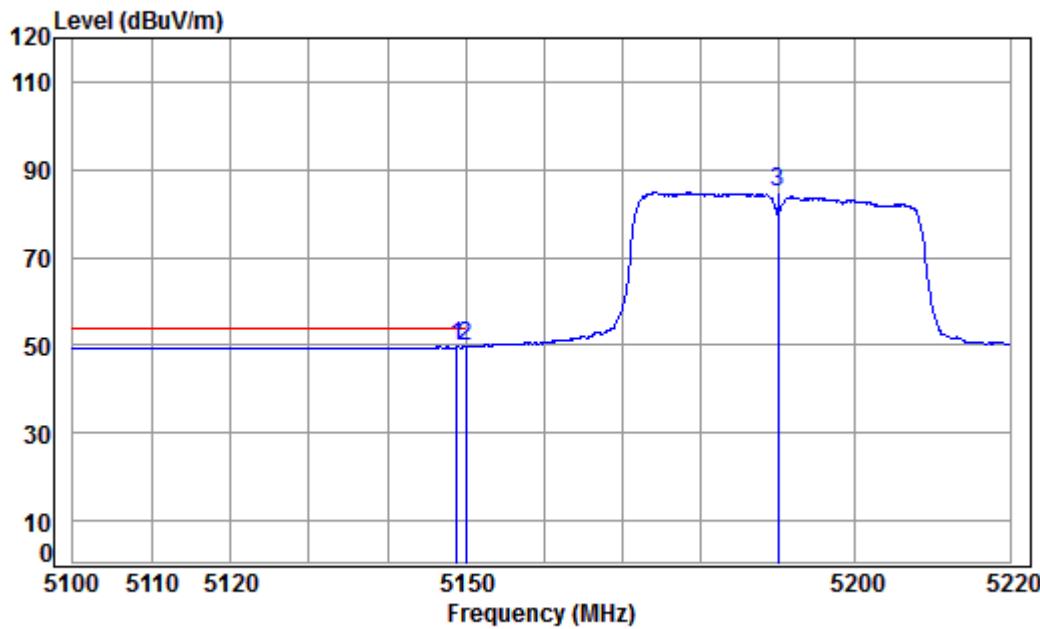
Job No : 03478CR

Mode : 5190 Band edge

Note : 5G WIFI 11N 40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5116.632	8.27	34.30	42.39	59.20	59.38	74.00	-14.62 Peak
2	5149.980	8.33	34.32	42.36	57.89	58.18	74.00	-15.82 Peak
3 pp	5190.000	8.39	34.36	42.32	91.09	91.52	68.20	23.32 Peak

Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

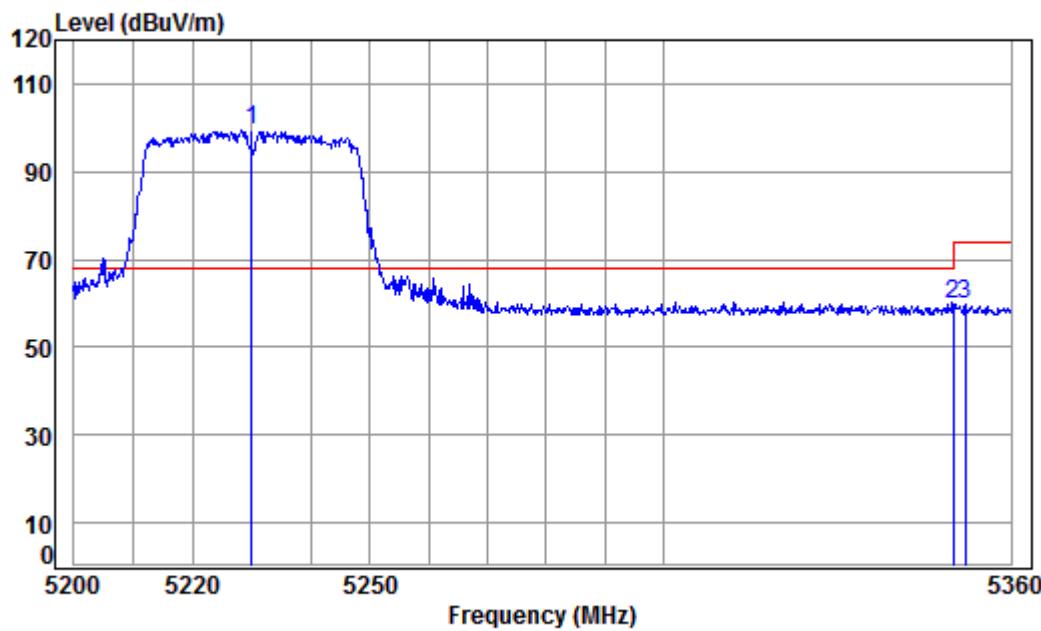
Job No : 03478CR

Mode : 5190 Band edge

Note : 5G WIFI 11N 40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5148.863	8.32	34.32	42.36	49.38	49.66	54.00	-4.34 Average
2 pp	5149.980	8.33	34.32	42.36	49.46	49.75	54.00	-4.25 Average
3	5190.000	8.39	34.36	42.32	84.44	84.87	-----	Average

Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

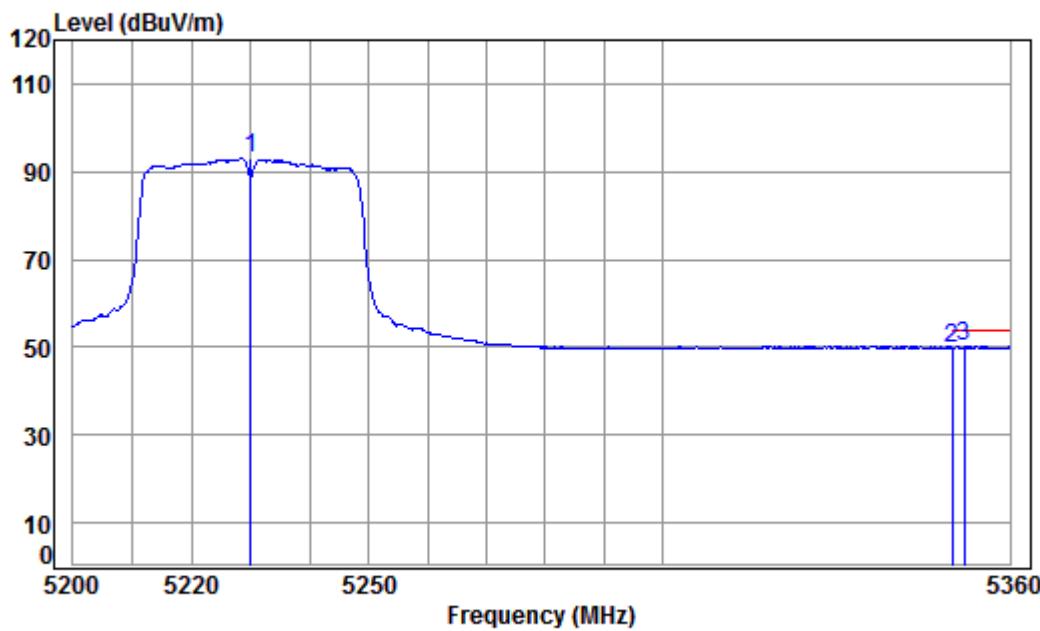
Job No : 03478CR

Mode : 5230 Band edge

Note : 5G WIFI 11N 40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5230.000	8.45	34.39	42.28	98.87	99.43	68.20	31.23	peak
2	5350.020	8.63	34.48	42.17	58.95	59.89	74.00	-14.11	peak
3	5352.046	8.63	34.49	42.17	58.68	59.63	74.00	-14.37	peak

Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

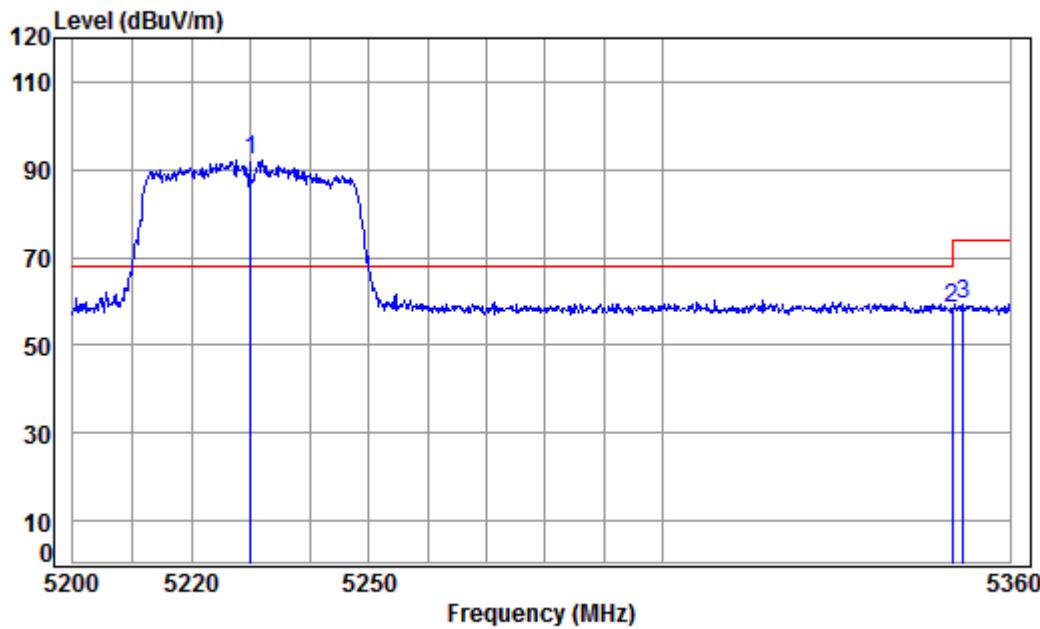
Job No : 03478CR

Mode : 5230 Band edge

Note : 5G WIFI 11N 40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5230.000	8.45	34.39	42.28	92.45	93.01	-----	Average
2	5350.020	8.63	34.48	42.17	49.02	49.96	54.00	-4.04 Average
3 pp	5352.046	8.63	34.49	42.17	49.13	50.08	54.00	-3.92 Average

Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

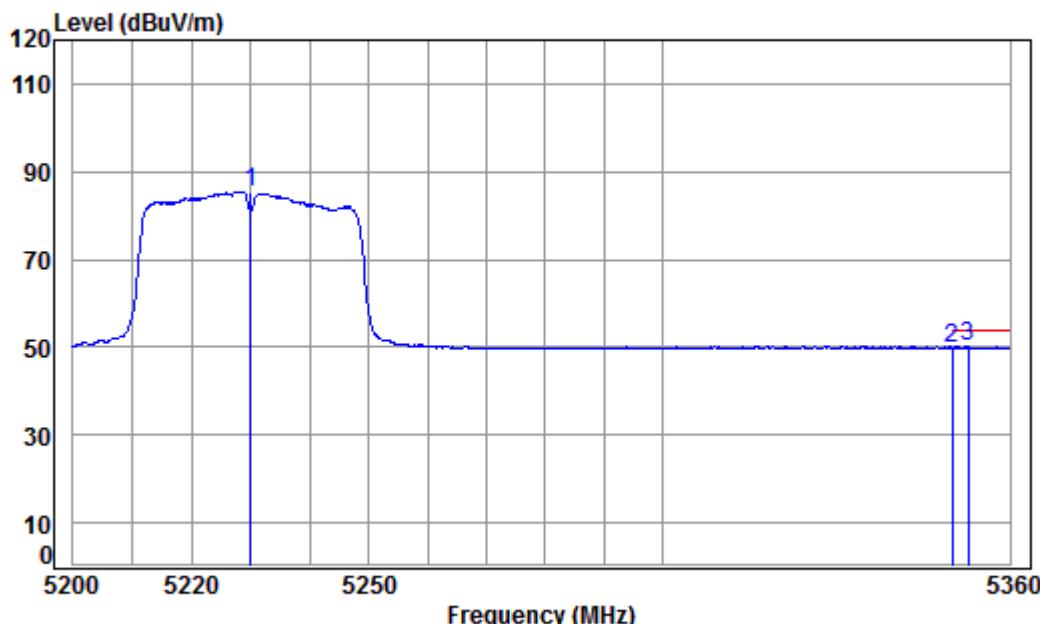
Job No : 03478CR

Mode : 5230 Band edge

Note : 5G WIFI 11N 40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5230.000	8.45	34.39	42.28	91.50	92.06	68.20	23.86	Peak
2	5350.020	8.63	34.48	42.17	57.58	58.52	74.00	-15.48	Peak
3	5351.884	8.63	34.49	42.17	58.42	59.37	74.00	-14.63	Peak

Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

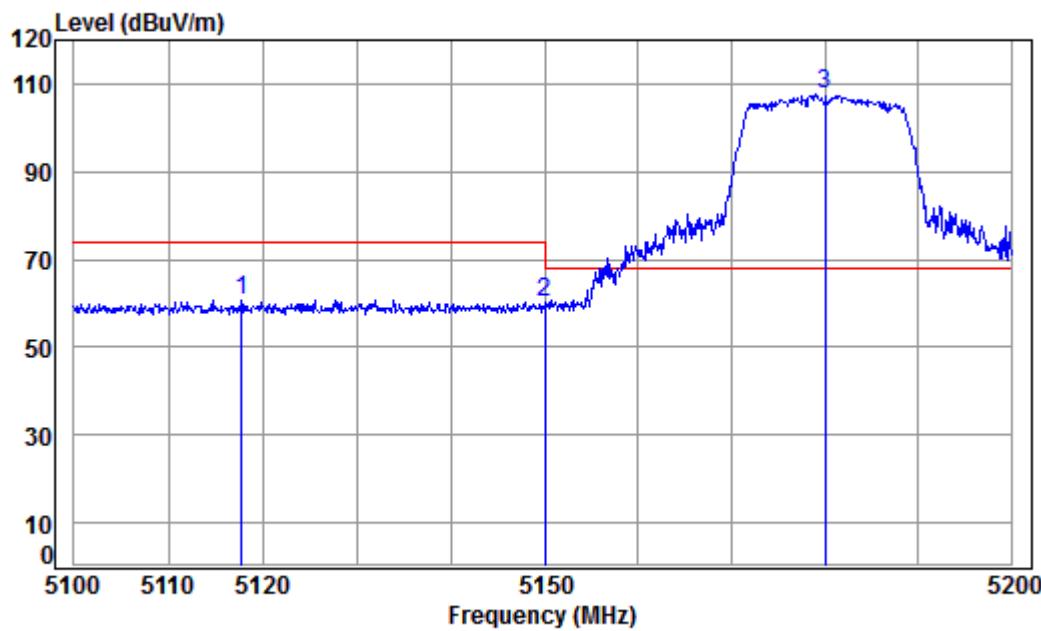
Job No : 03478CR

Mode : 5230 Band edge

Note : 5G WIFI 11N 40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5230.000	8.45	34.39	42.28	84.87	85.43	-----	Average
2	5350.020	8.63	34.48	42.17	49.01	49.95	54.00	-4.05 Average
3 pp	5352.695	8.63	34.49	42.17	49.08	50.03	54.00	-3.97 Average

Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

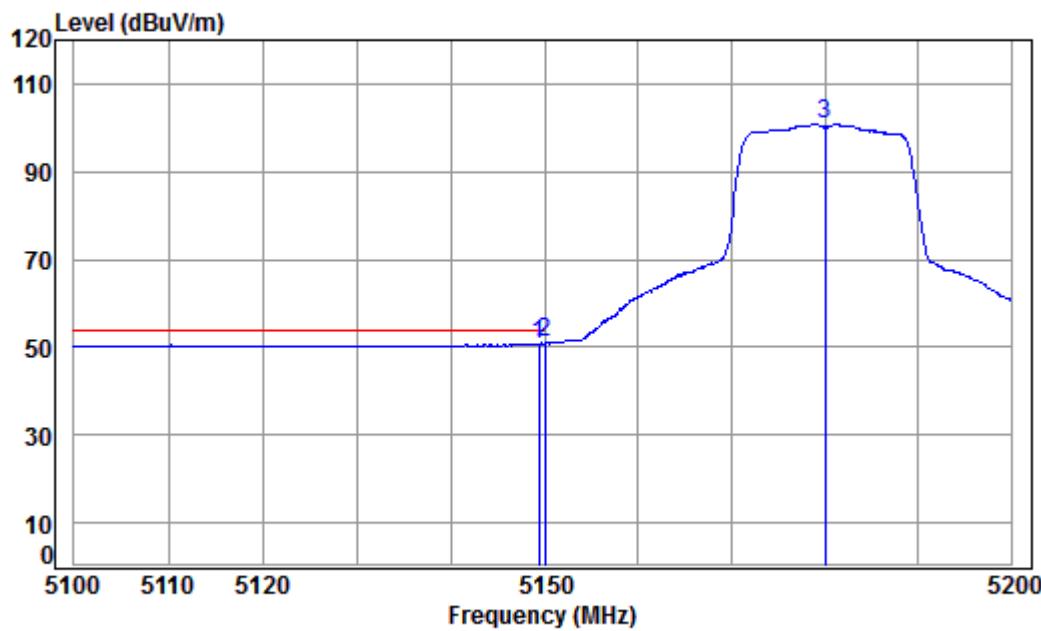
Job No : 03478CR

Mode : 5180 Band edge

Note : 5G WIFI 11AC 20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5117.758	8.28	34.30	42.39	60.68	60.87	74.00	-13.13	peak
2	5149.980	8.33	34.32	42.36	59.89	60.18	74.00	-13.82	peak
3 pp	5180.000	8.37	34.35	42.33	107.19	107.58	68.20	39.38	peak

Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

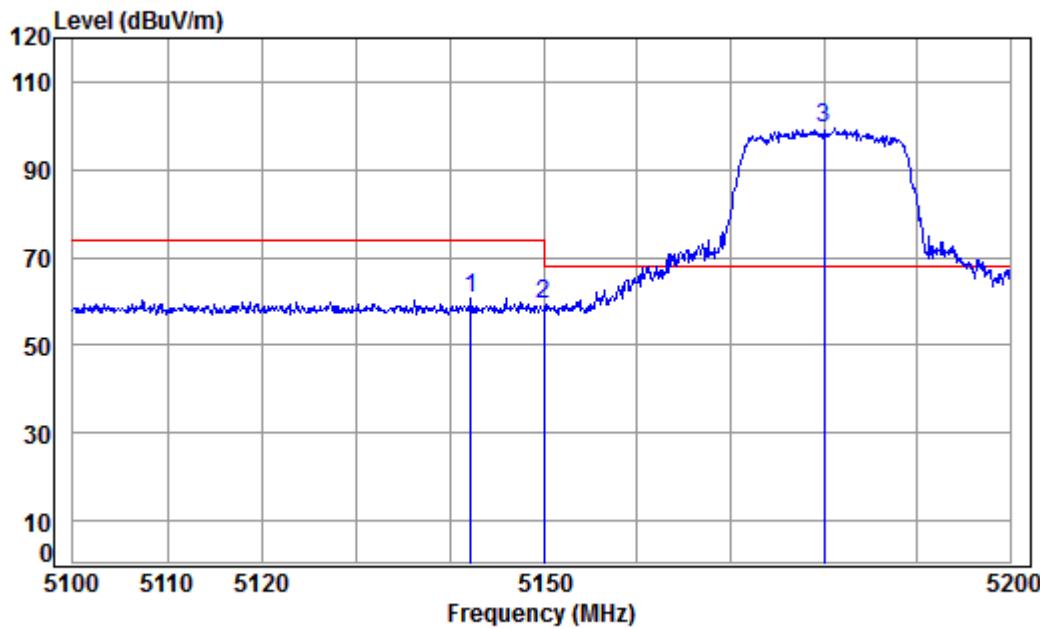
Job No : 03478CR

Mode : 5180 Band edge

Note : 5G WIFI 11AC 20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.357	8.32	34.32	42.36	50.56	50.84	54.00	-3.16 Average
2 pp	5149.980	8.33	34.32	42.36	50.69	50.98	54.00	-3.02 Average
3	5180.000	8.37	34.35	42.33	100.47	100.86	-----	----- Average

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

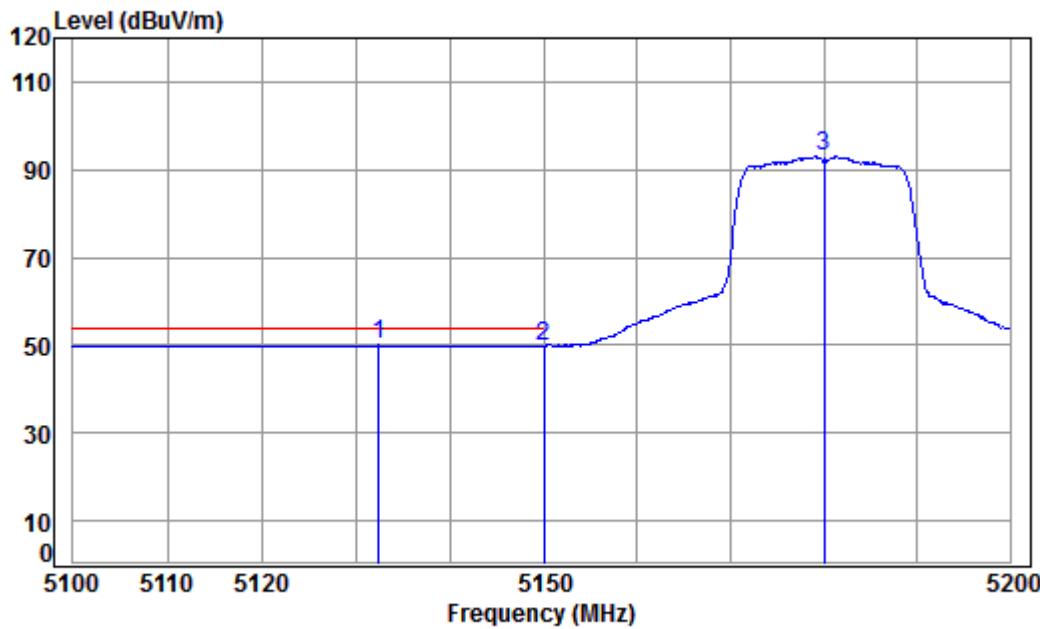
Job No : 03478CR

Mode : 5180 Band edge

Note : 5G WIFI 11AC 20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Remark
1	5142.263	8.31	34.32	42.36	60.57	60.84	74.00	-13.16	Peak
2	5149.980	8.33	34.32	42.36	58.80	59.09	74.00	-14.91	Peak
3 pp	5180.000	8.37	34.35	42.33	99.04	99.43	68.20	31.23	Peak

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

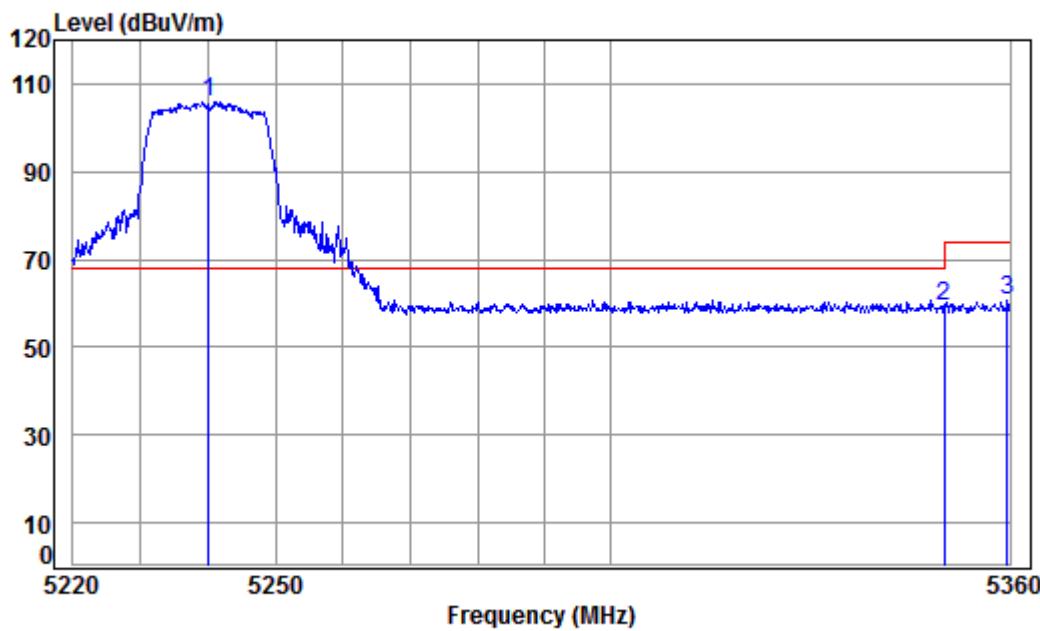
Job No : 03478CR

Mode : 5180 Band edge

Note : 5G WIFI 11AC 20

	Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB
1 pp	5132.387	8.30	34.31	42.37	49.77	50.01	54.00
2	5149.980	8.33	34.32	42.36	49.60	49.89	54.00
3	5180.000	8.37	34.35	42.33	92.53	92.92	-----
							Average
							-3.99
							-4.11
							Average

Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

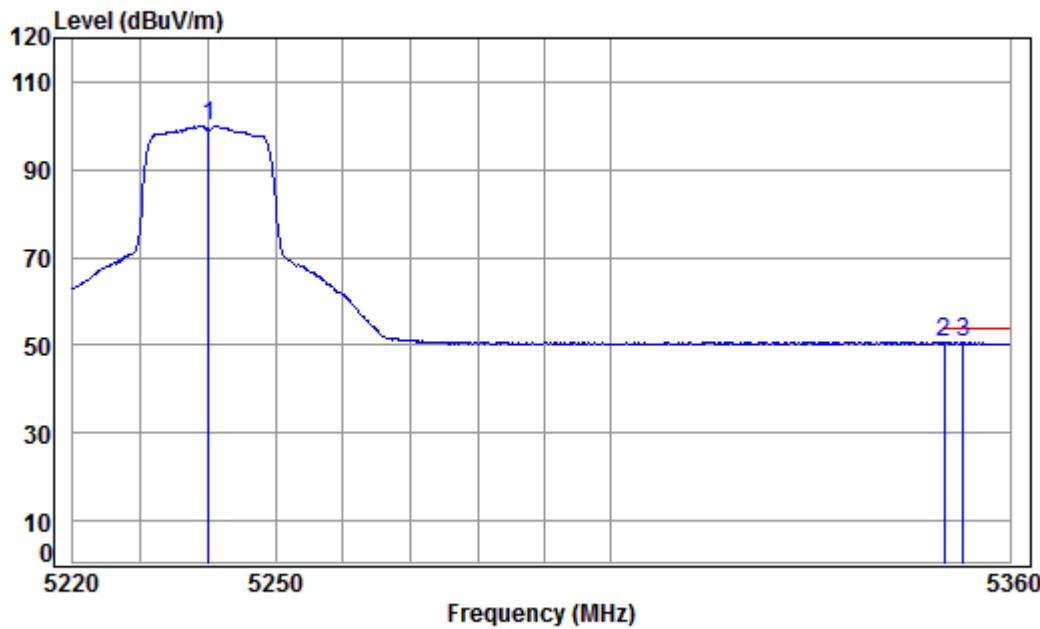
Job No : 03478CR

Mode : 5240 Band edge

Note : 5G WIFI 11AC 20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5240.000	8.46	34.40	42.27	105.29	105.88	68.20	37.68 peak
2	5350.020	8.63	34.48	42.17	58.50	59.44	74.00	-14.56 peak
3	5359.574	8.64	34.49	42.16	59.83	60.80	74.00	-13.20 peak

Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

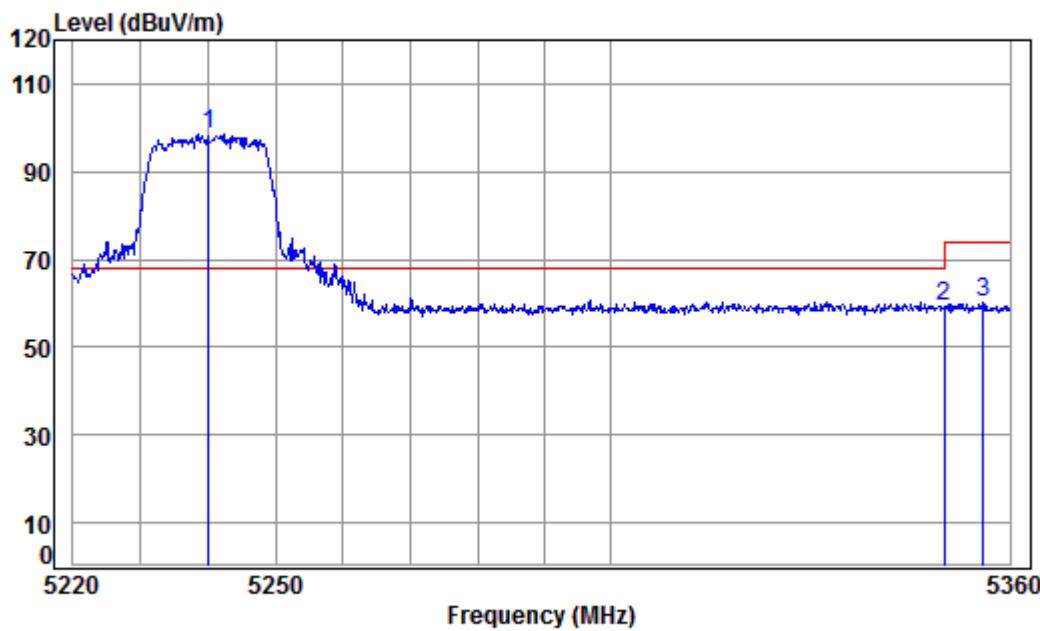
Job No : 03478CR

Mode : 5240 Band edge

Note : 5G WIFI 11AC 20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Line dB	Over Line Remark
1	5240.000	8.46	34.40	42.27	99.32	99.91	-----	-----	Average
2	5350.020	8.63	34.48	42.17	49.52	50.46	54.00	-3.54	Average
3 pp	5352.912	8.63	34.49	42.17	49.56	50.51	54.00	-3.49	Average

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

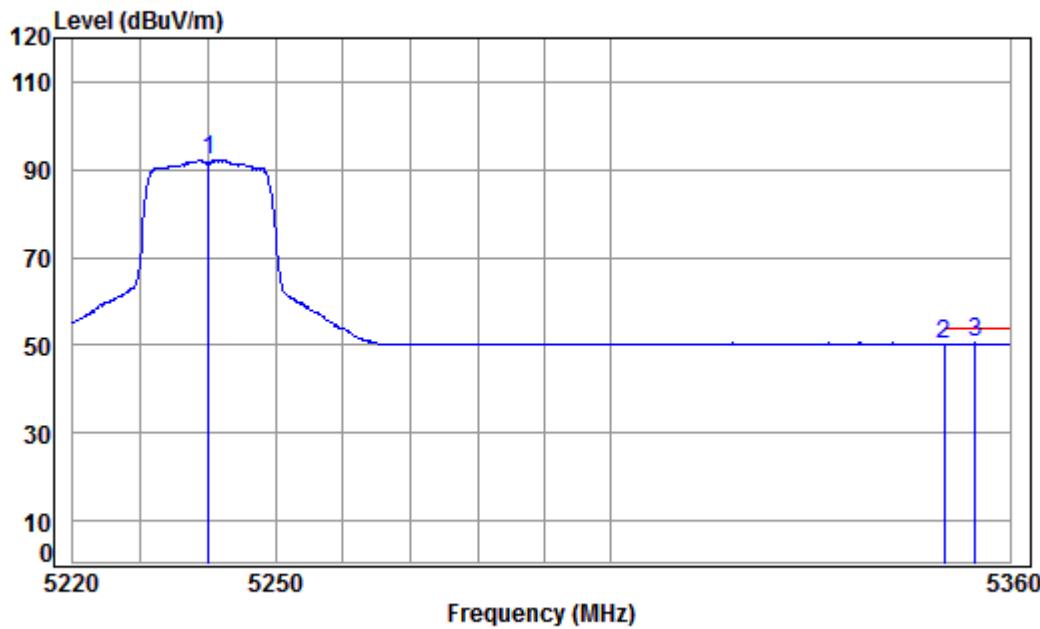
Job No : 03478CR

Mode : 5240 Band edge

Note : 5G WIFI 11AC 20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Over Line	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5240.000	8.46	34.40	42.27	97.93	98.52	68.20	30.32	Peak
2	5350.020	8.63	34.48	42.17	58.34	59.28	74.00	-14.72	Peak
3	5355.888	8.64	34.49	42.16	59.15	60.12	74.00	-13.88	Peak

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

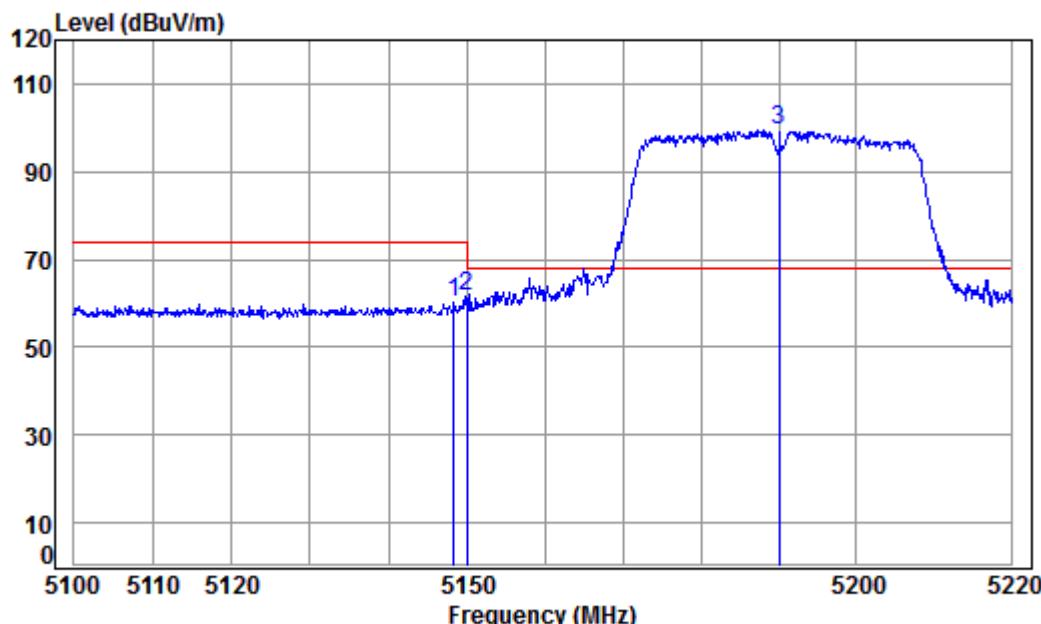
Job No : 03478CR

Mode : 5240 Band edge

Note : 5G WIFI 11AC 20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.000	8.46	34.40	42.27	91.75	92.34	-----	Average
2	5350.020	8.63	34.48	42.17	49.39	50.33	54.00	-3.67 Average
3 pp	5354.754	8.64	34.49	42.16	49.46	50.43	54.00	-3.57 Average

Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

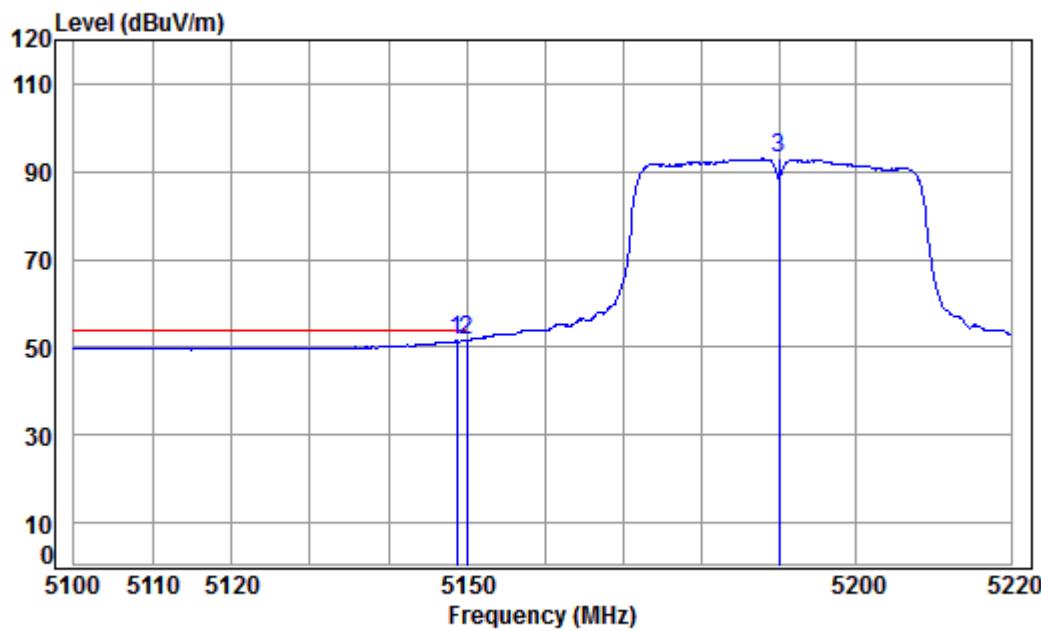
Job No : 03478CR

Mode : 5190 Band edge

Note : 5G WIFI 11AC 40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Remark
1	5148.384	8.32	34.32	42.36	59.76	60.04	74.00	-13.96	peak
2	5149.980	8.33	34.32	42.36	61.21	61.50	74.00	-12.50	peak
3 pp	5190.000	8.39	34.36	42.32	98.87	99.30	68.20	31.10	peak

Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

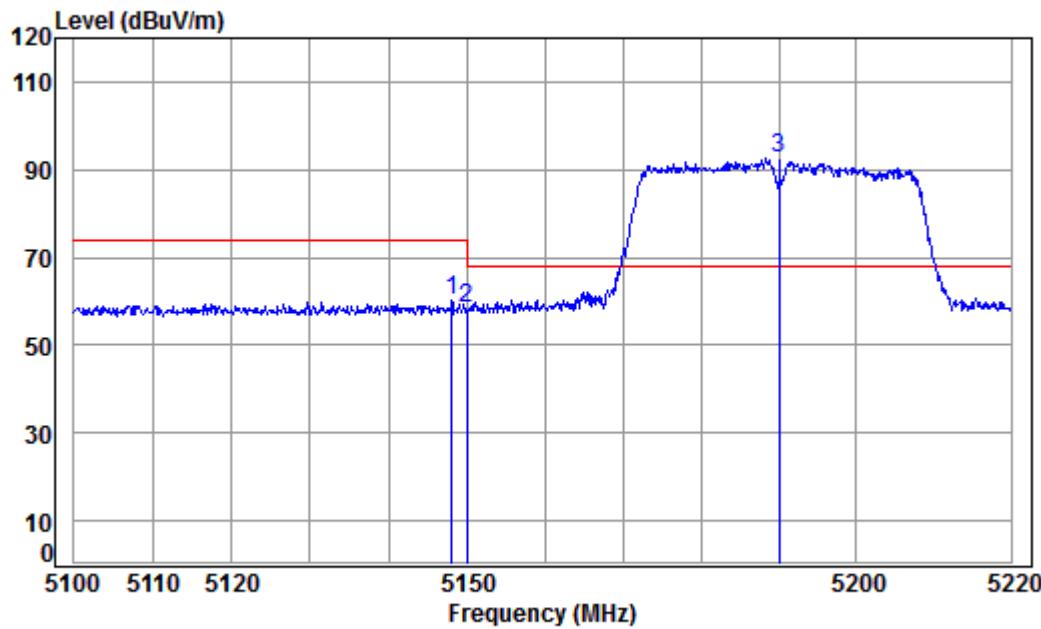
Job No : 03478CR

Mode : 5190 Band edge

Note : 5G WIFI 11AC 40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.743	8.32	34.32	42.36	51.13	51.41	54.00	-2.59	Average
2 pp	5149.980	8.33	34.32	42.36	51.29	51.58	54.00	-2.42	Average
3	5190.000	8.39	34.36	42.32	92.44	92.87	-----	-----	Average

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

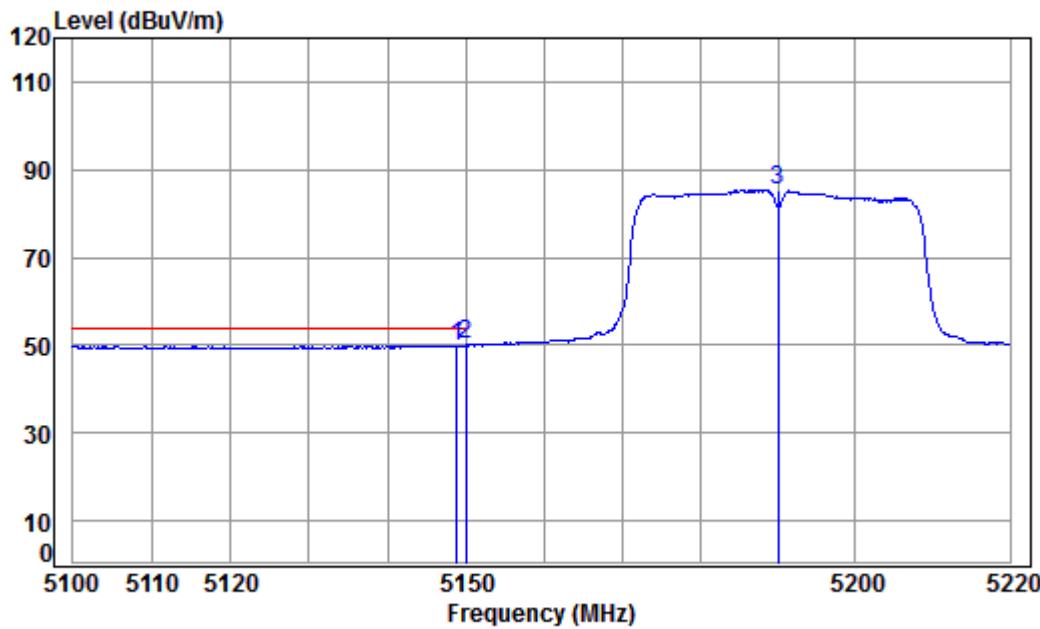
Job No : 03478CR

Mode : 5190 Band edge

Note : 5G WIFI 11AC 40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.024	8.32	34.32	42.36	59.76	60.04	74.00	-13.96 Peak
2	5149.980	8.33	34.32	42.36	58.07	58.36	74.00	-15.64 Peak
3 pp	5190.000	8.39	34.36	42.32	92.06	92.49	68.20	24.29 Peak

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

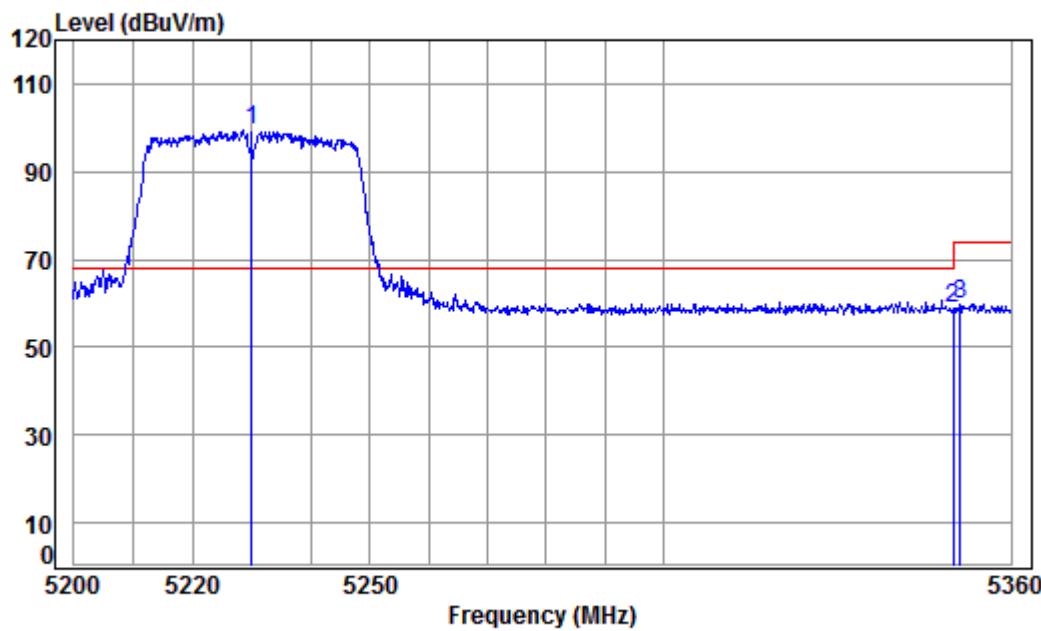
Job No : 03478CR

Mode : 5190 Band edge

Note : 5G WIFI 11AC 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1		5148.863	8.32	34.32	42.36	49.60	49.88	54.00	-4.12 Average
2 pp		5149.980	8.33	34.32	42.36	49.68	49.97	54.00	-4.03 Average
3		5190.000	8.39	34.36	42.32	84.93	85.36	-----	Average

Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

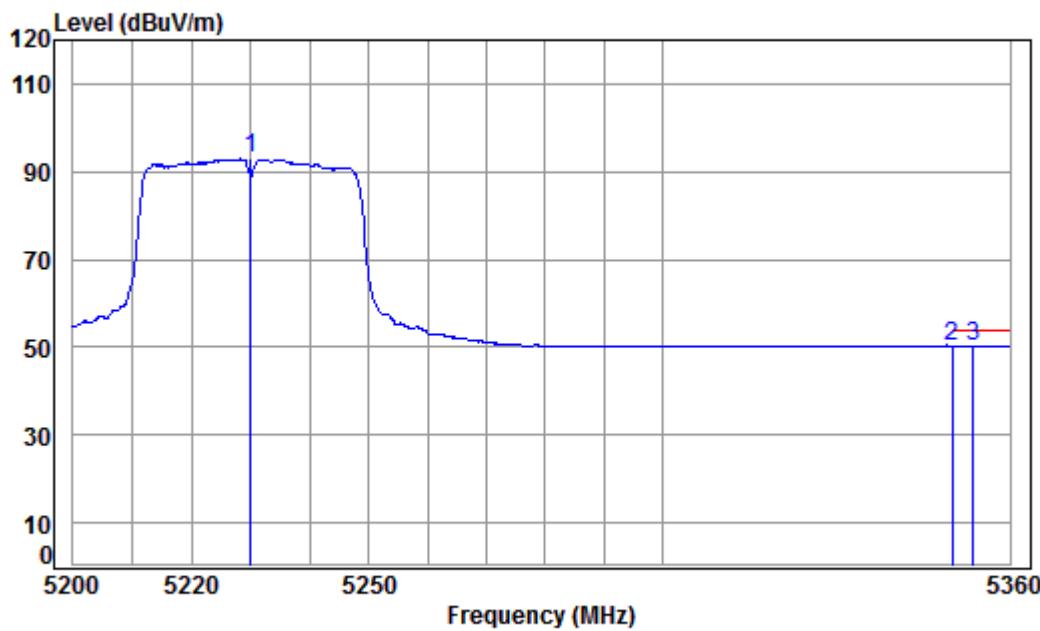
Job No : 03478CR

Mode : 5230 Band edge

Note : 5G WIFI 11AC 40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5230.000	8.45	34.39	42.28	98.82	99.38	68.20	31.18	peak
2	5350.020	8.63	34.48	42.17	57.90	58.84	74.00	-15.16	peak
3	5351.235	8.63	34.48	42.17	59.04	59.98	74.00	-14.02	peak

Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

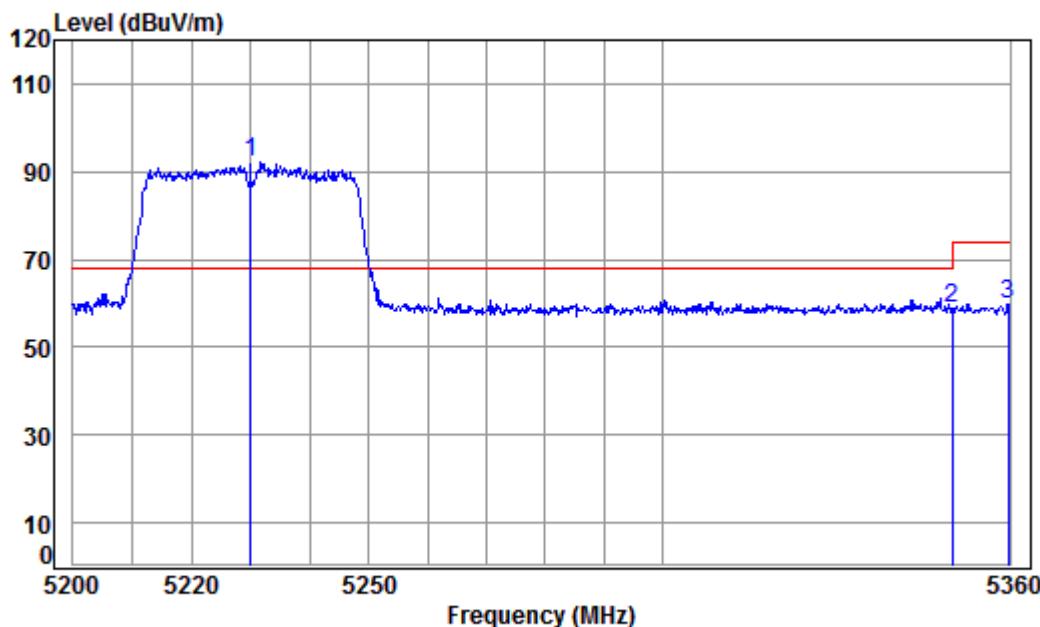
Job No : 03478CR

Mode : 5230 Band edge

Note : 5G WIFI 11AC 40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5230.000	8.45	34.39	42.28	92.33	92.89	-----	Average
2 pp	5350.020	8.63	34.48	42.17	49.39	50.33	54.00	-3.67 Average
3	5353.669	8.63	34.49	42.17	49.35	50.30	54.00	-3.70 Average

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

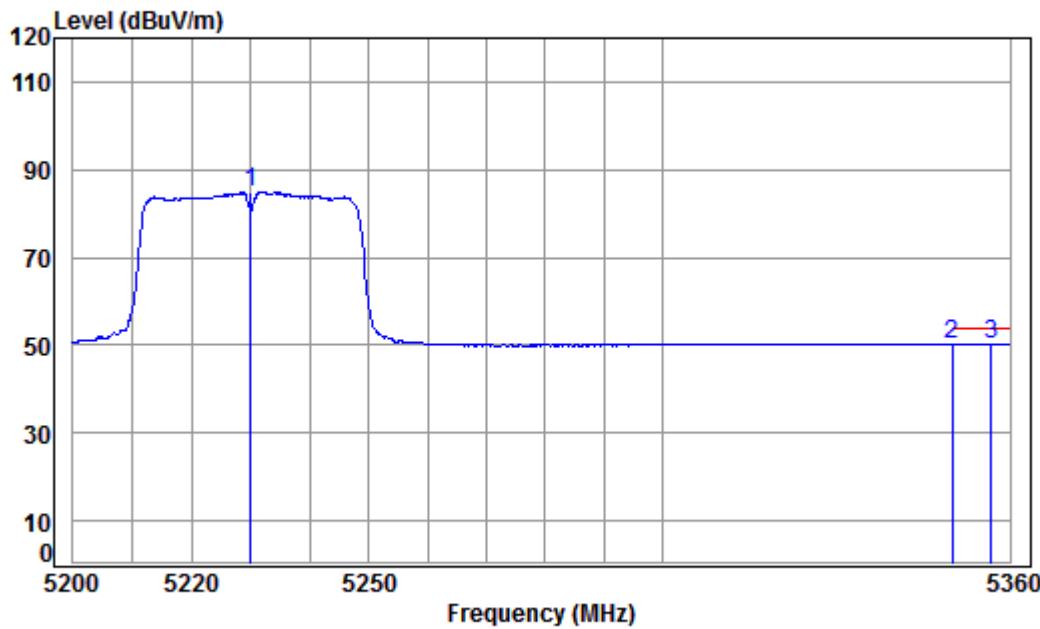
Job No : 03478CR

Mode : 5230 Band edge

Note : 5G WIFI 11AC 40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5230.000	8.45	34.39	42.28	91.57	92.13	68.20	23.93 Peak
2	5350.020	8.63	34.48	42.17	58.07	59.01	74.00	-14.99 Peak
3	5359.675	8.64	34.49	42.16	58.98	59.95	74.00	-14.05 Peak

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

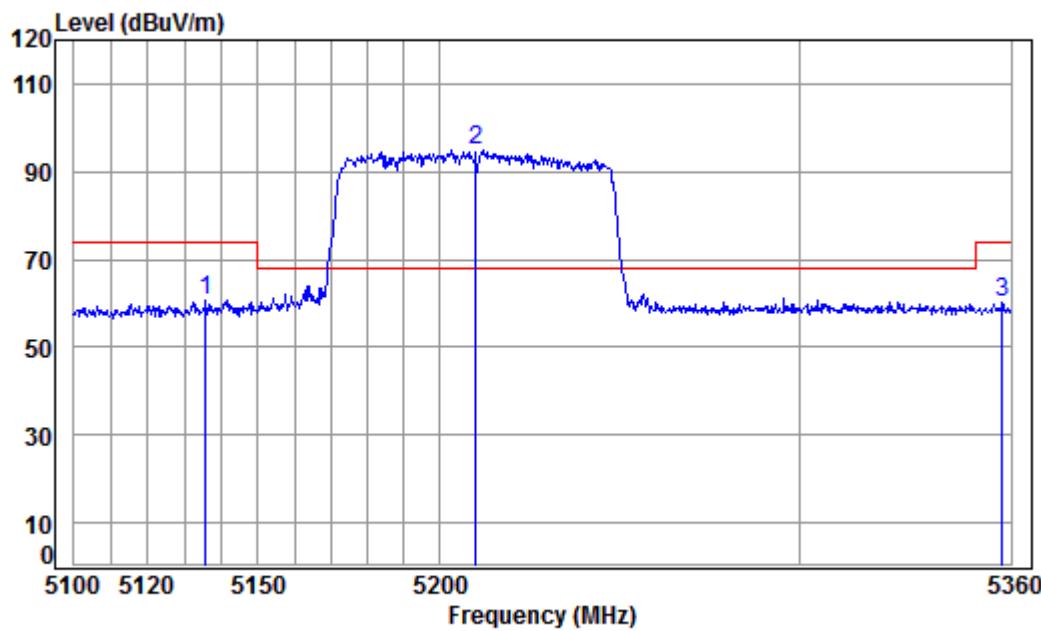
Job No : 03478CR

Mode : 5230 Band edge

Note : 5G WIFI 11AC 40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5230.000	8.45	34.39	42.28	84.35	84.91	-----	Average
2	5350.020	8.63	34.48	42.17	49.24	50.18	54.00	-3.82 Average
3 pp	5356.752	8.64	34.49	42.16	49.27	50.24	54.00	-3.76 Average

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

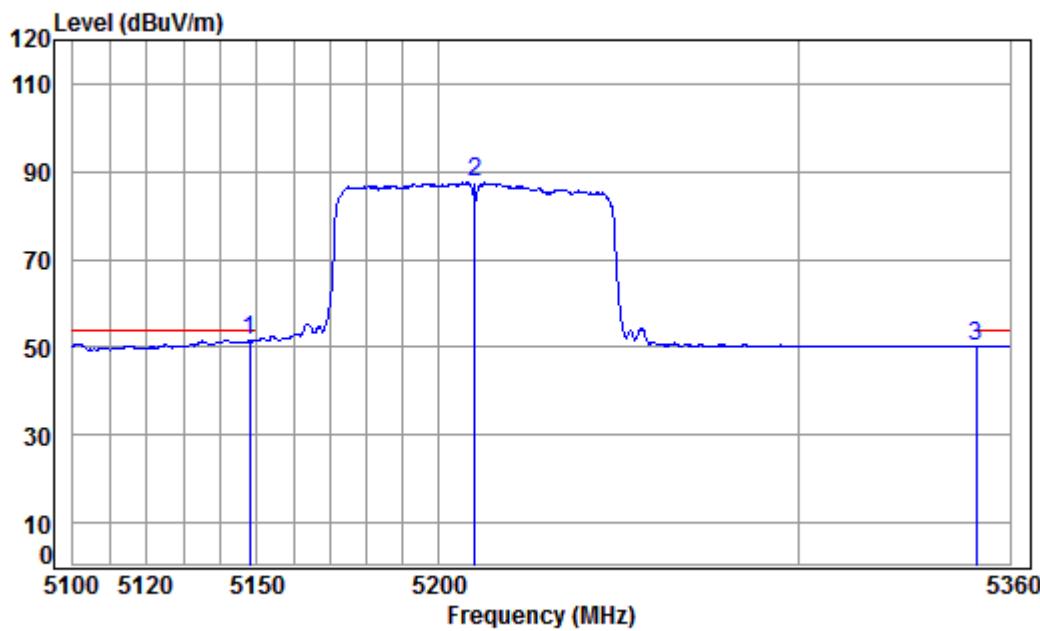
Job No : 03478CR

Mode : 5210 Band edge

Note : 5G WIFI 11AC 80

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Line dB	Remark
1	5135.882	8.30	34.31	42.37	60.49	60.73	74.00	-13.27	peak
2 pp	5210.000	8.42	34.37	42.30	94.52	95.01	68.20	26.81	peak
3	5357.602	8.64	34.49	42.16	59.45	60.42	74.00	-13.58	peak

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

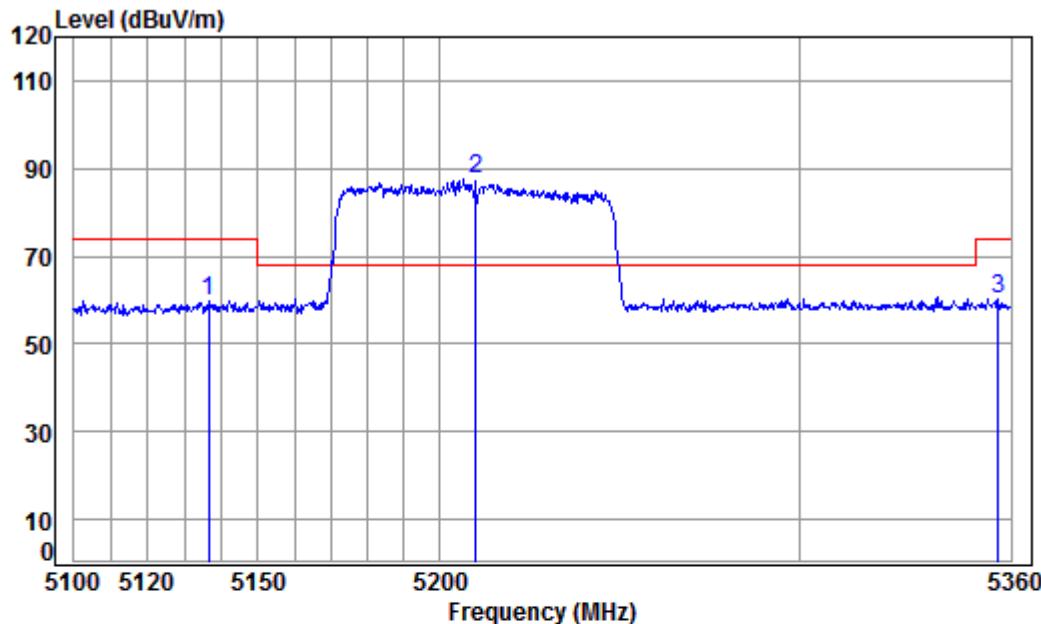
Job No : 03478CR

Mode : 5210 Band edge

Note : 5G WIFI 11AC 80

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5148.154	8.32	34.32	42.36	51.36	51.64	54.00	-2.36 Average
2	5210.000	8.42	34.37	42.30	86.94	87.43	-----	----- Average
3	5350.414	8.63	34.48	42.17	49.25	50.19	54.00	-3.81 Average

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

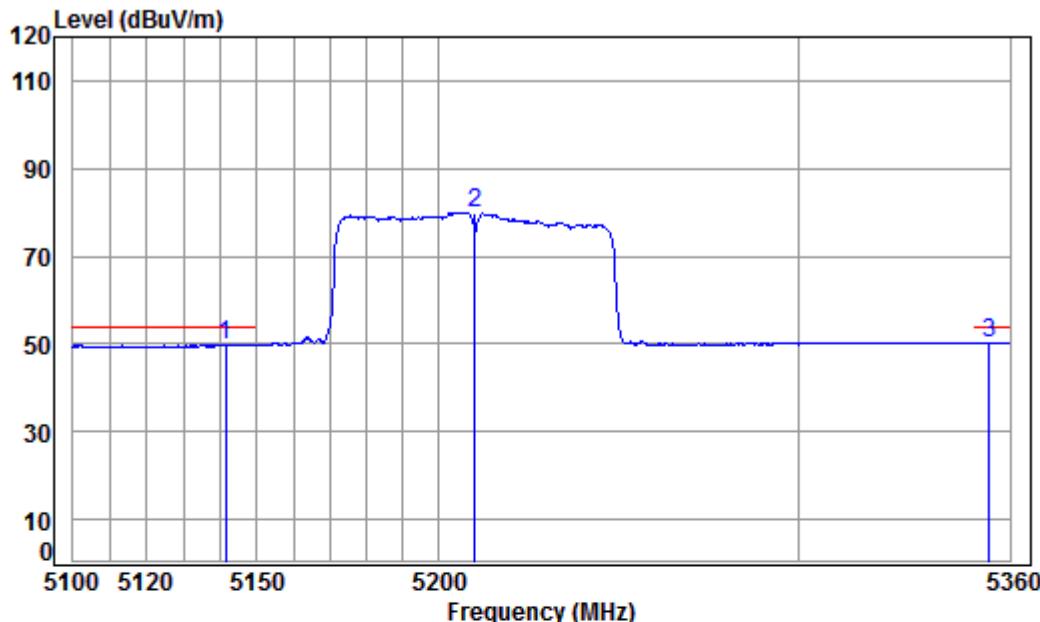
Job No : 03478CR

Mode : 5210 Band edge

Note : 5G WIFI 11AC 80

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5136.648	8.31	34.31	42.37	59.73	59.98	74.00	-14.02 Peak
2 pp	5210.000	8.42	34.37	42.30	86.91	87.40	68.20	19.20 Peak
3	5356.270	8.64	34.49	42.16	59.10	60.07	74.00	-13.93 Peak

Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

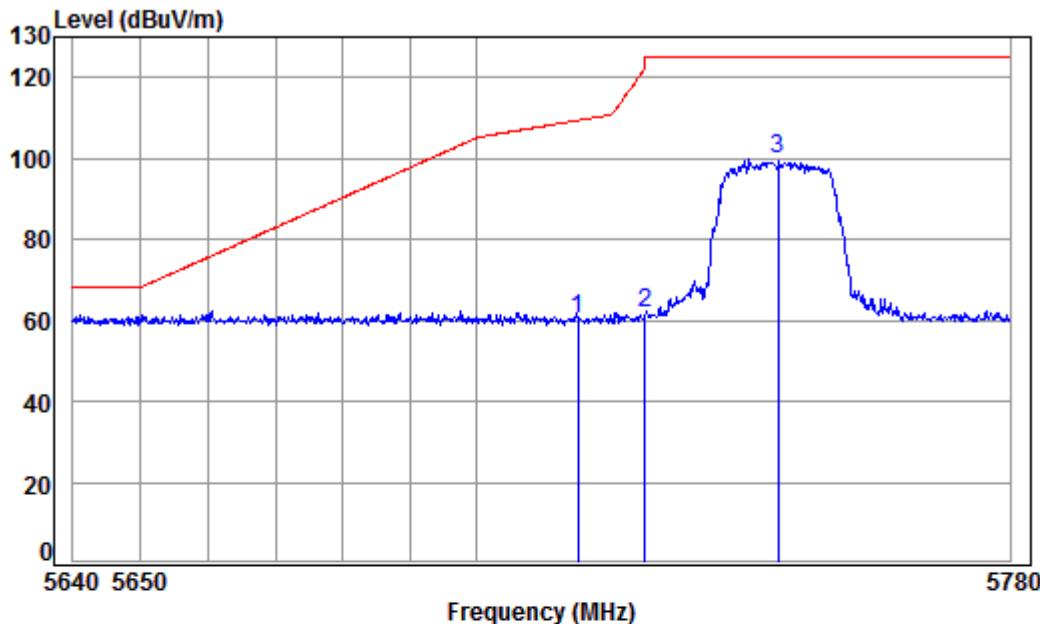
Job No : 03478CR

Mode : 5210 Band edge

Note : 5G WIFI 11AC 80

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Line dB	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5141.503	8.31	34.32	42.36	49.59	49.86	54.00	-4.14	Average
2	5210.000	8.42	34.37	42.30	79.53	80.02	-----	-----	Average
3 pp	5354.140	8.64	34.49	42.17	49.29	50.25	54.00	-3.75	Average

Mode:f; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

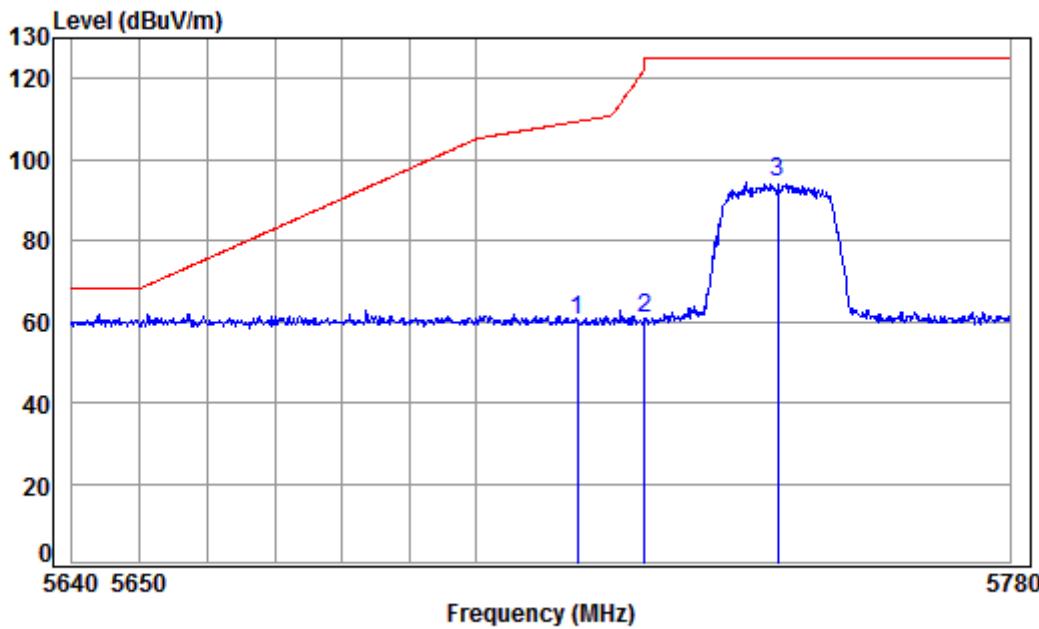
Job No : 03478CR

Mode : 5745 Band edge

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Line	Remark
	MHz	dB	dB/m		dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	9.61	34.82	41.85	57.68	60.26	109.40	-49.14	peak
2	5725.000	9.64	34.83	41.84	58.97	61.60	122.20	-60.60	peak
3 pp	5745.000	9.71	34.85	41.82	97.08	99.82	125.20	-25.38	peak

Mode:f; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

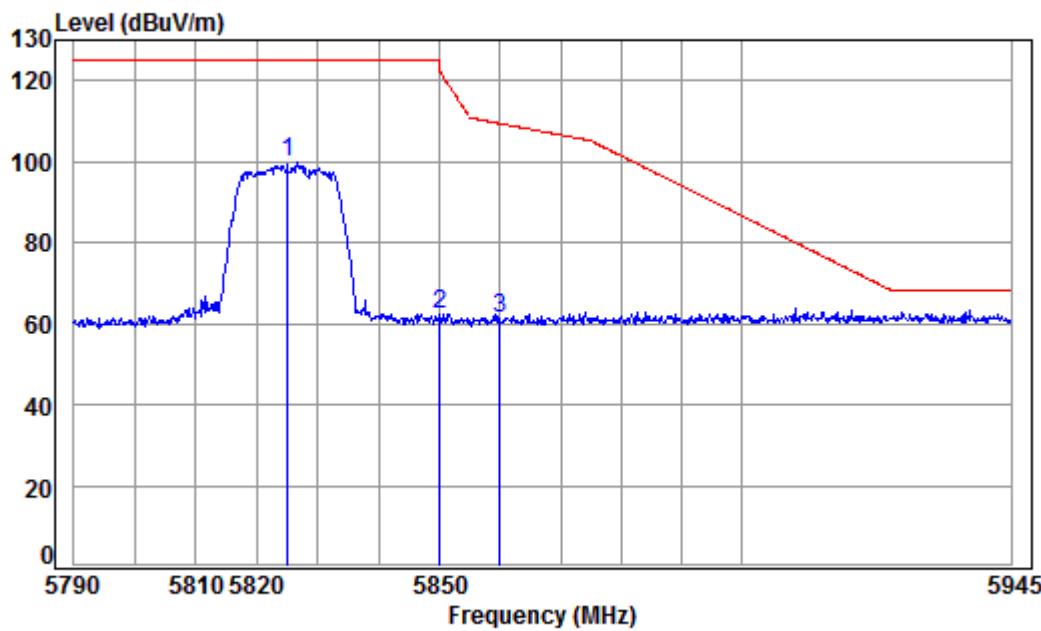
Job No : 03478CR

Mode : 5745 Band edge

Note : 5G WIFI 11A

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	9.61	34.82	41.85	57.96	60.54	109.40	-48.86 peak
2	5725.000	9.64	34.83	41.84	58.16	60.79	122.20	-61.41 peak
3 pp	5745.000	9.71	34.85	41.82	91.56	94.30	125.20	-30.90 peak

Mode:f; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

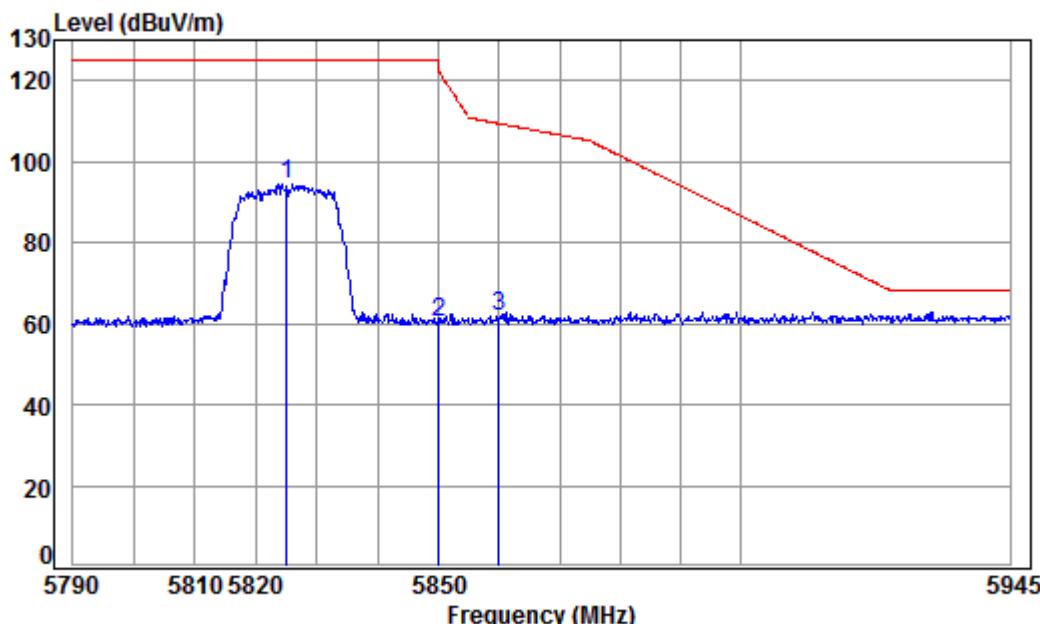
Job No : 03478CR

Mode : 5825 Band edge

Note : 5G WIFI 11A

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5825.000	9.98	34.93	41.75	96.57	99.73	125.20	-25.47 peak
2		5850.000	10.07	34.95	41.73	58.76	62.05	122.20	-60.15 peak
3		5860.000	10.10	34.96	41.72	57.99	61.33	109.40	-48.07 peak

Mode:f; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

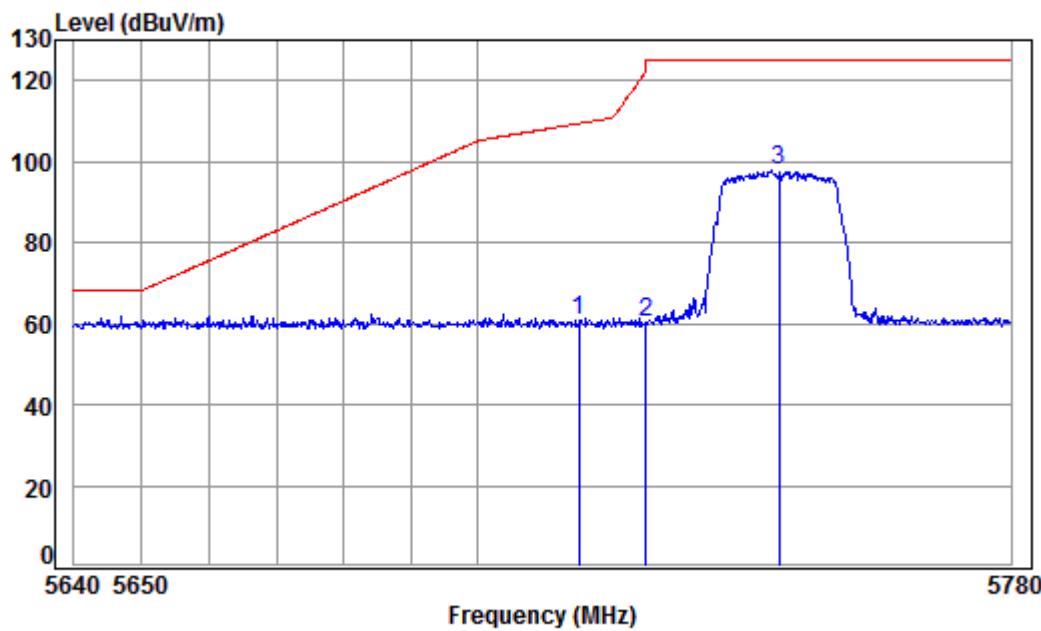
Job No : 03478CR

Mode : 5825 Band edge

Note : 5G WIFI 11A

	Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB
1 pp	5825.000	9.98	34.93	41.75	91.14	94.30	125.20 -30.90 peak
2	5850.000	10.07	34.95	41.73	56.93	60.22	122.20 -61.98 peak
3	5860.000	10.10	34.96	41.72	58.65	61.99	109.40 -47.41 peak

Mode:f; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

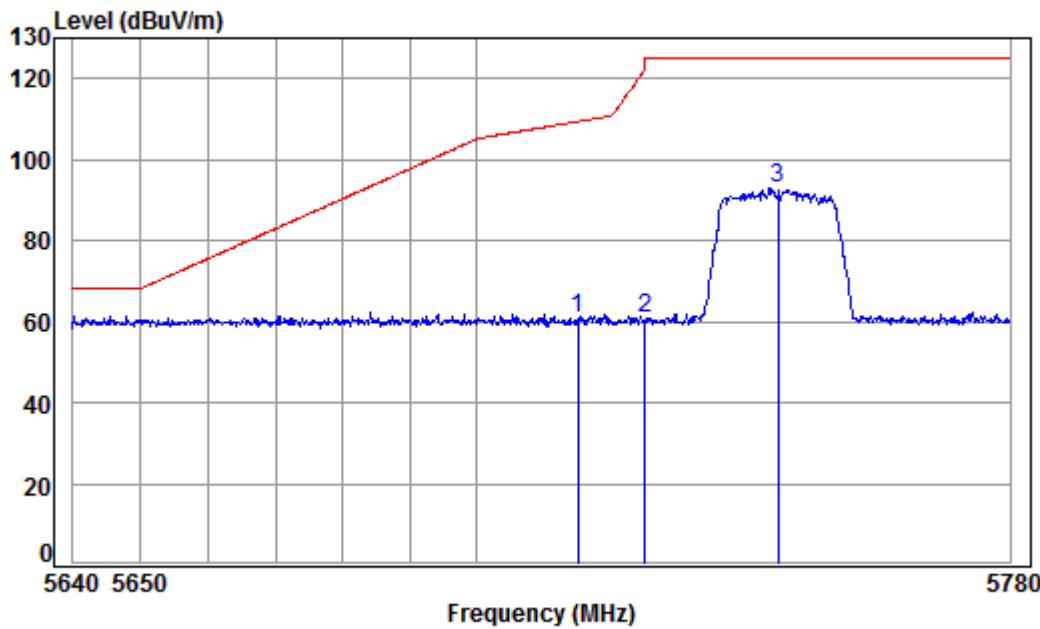
Job No : 03478CR

Mode : 5745 Band edge

Note : 5G WIFI 11N 20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	9.61	34.82	41.85	57.99	60.57	109.40	-48.83 peak
2	5725.000	9.64	34.83	41.84	57.74	60.37	122.20	-61.83 peak
3 pp	5745.000	9.71	34.85	41.82	94.99	97.73	125.20	-27.47 peak

Mode:f; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

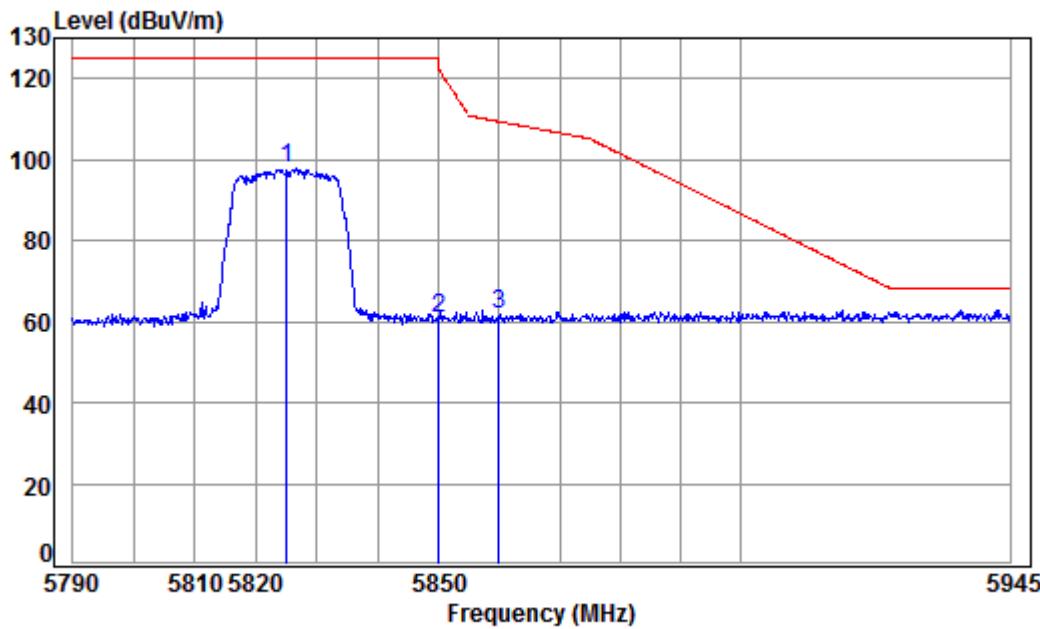
Job No : 03478CR

Mode : 5745 Band edge

Note : 5G WIFI 11N 20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	9.61	34.82	41.85	58.32	60.90	109.40	-48.50	peak
2	5725.000	9.64	34.83	41.84	58.32	60.95	122.20	-61.25	peak
3 pp	5745.000	9.71	34.85	41.82	90.11	92.85	125.20	-32.35	peak

Mode:f; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

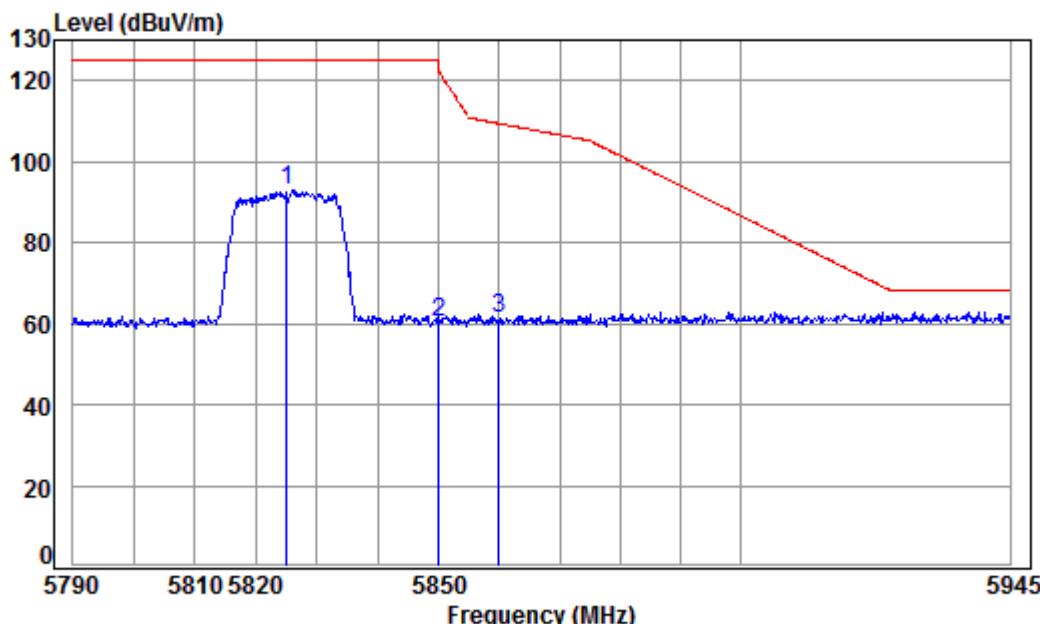
Job No : 03478CR

Mode : 5825 Band edge

Note : 5G WIFI 11N 20

	Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB
1 pp	5825.000	9.98	34.93	41.75	94.48	97.64	125.20
2	5850.000	10.07	34.95	41.73	57.53	60.82	122.20
3	5860.000	10.10	34.96	41.72	58.67	62.01	109.40

Mode:f; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

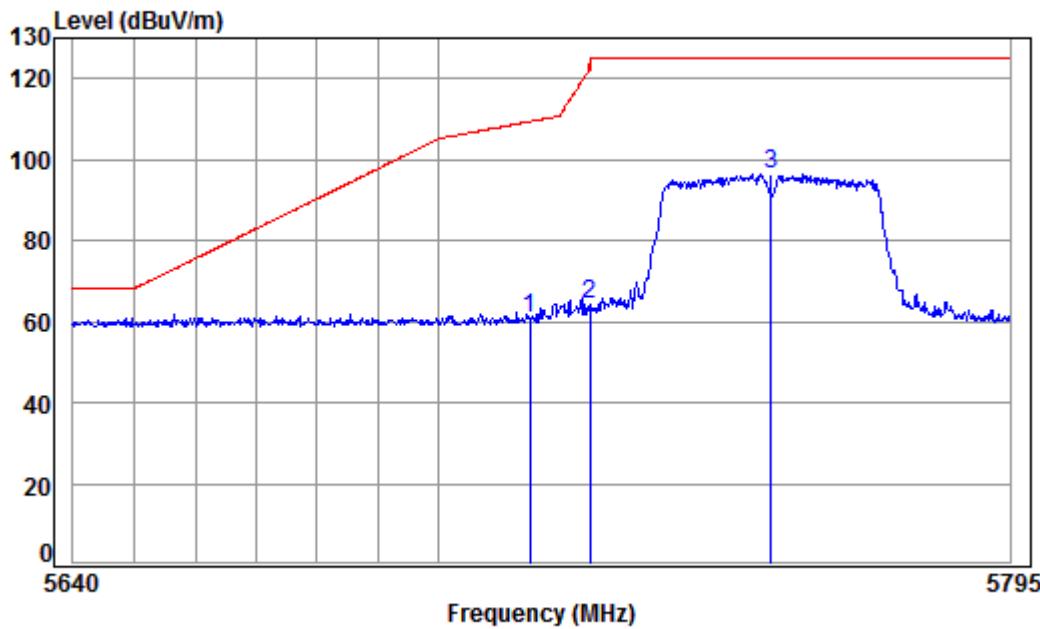
Job No : 03478CR

Mode : 5825 Band edge

Note : 5G WIFI 11N 20

	Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB
1 pp	5825.000	9.98	34.93	41.75	89.69	92.85	125.20 -32.35 peak
2	5850.000	10.07	34.95	41.73	57.04	60.33	122.20 -61.87 peak
3	5860.000	10.10	34.96	41.72	57.80	61.14	109.40 -48.26 peak

Mode:f; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

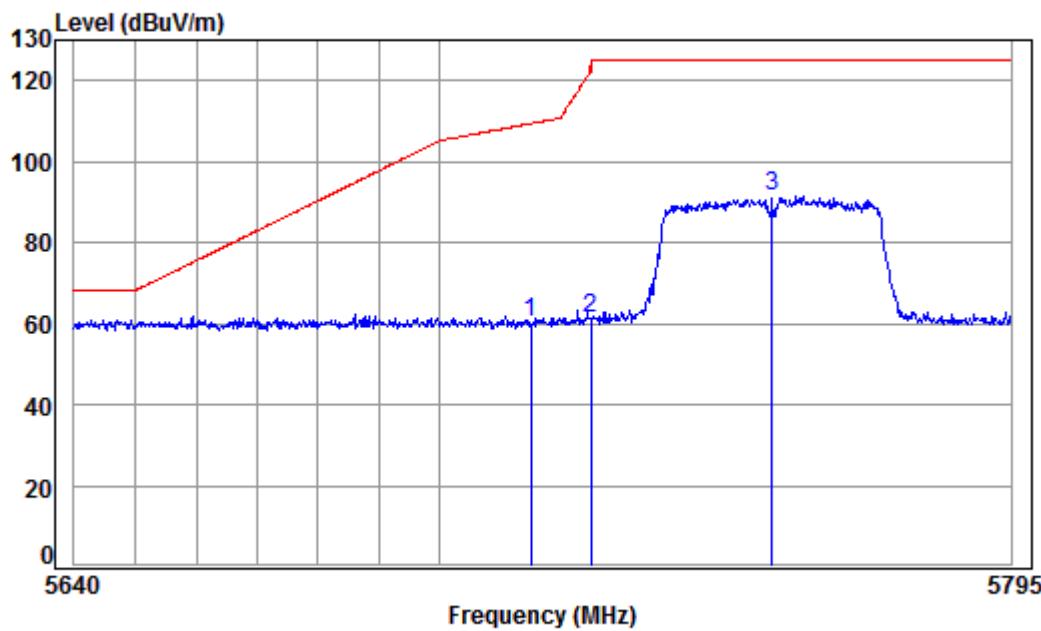
Job No : 03478CR

Mode : 5755 Band edge

Note : 5G WIFI 11N 40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Remark
1	5715.000	9.61	34.82	41.85	58.12	60.70	109.40	-48.70	peak
2	5725.000	9.64	34.83	41.84	61.83	64.46	122.20	-57.74	peak
3 pp	5755.000	9.75	34.86	41.81	93.82	96.62	125.20	-28.58	peak

Mode:f; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

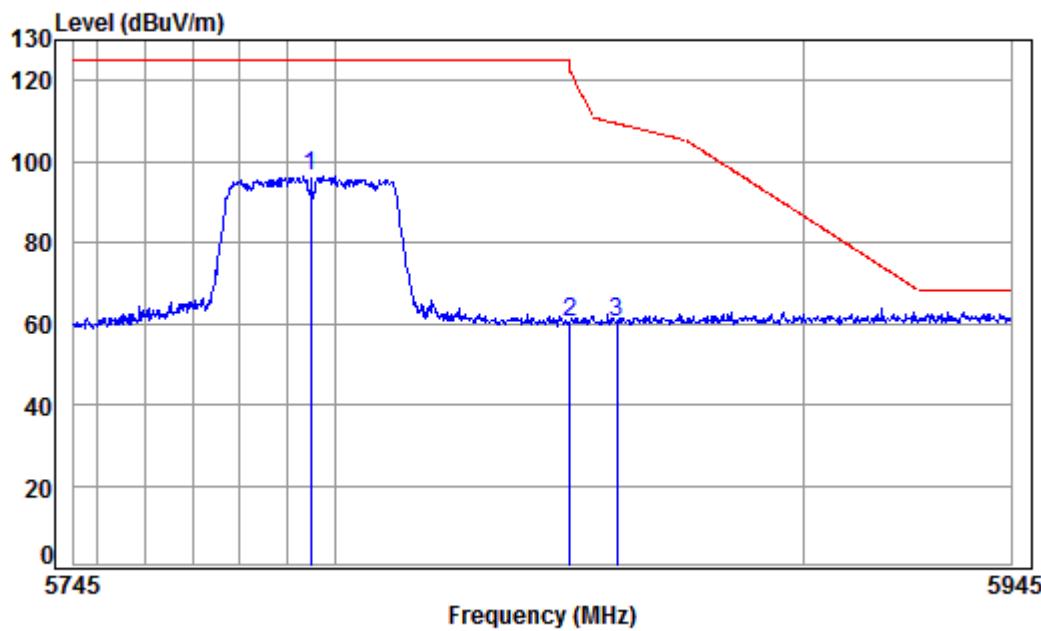
Job No : 03478CR

Mode : 5755 Band edge

Note : 5G WIFI 11N 40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	9.61	34.82	41.85	57.55	60.13	109.40	-49.27 peak
2	5725.000	9.64	34.83	41.84	58.72	61.35	122.20	-60.85 peak
3 pp	5755.000	9.75	34.86	41.81	88.47	91.27	125.20	-33.93 peak

Mode:f; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

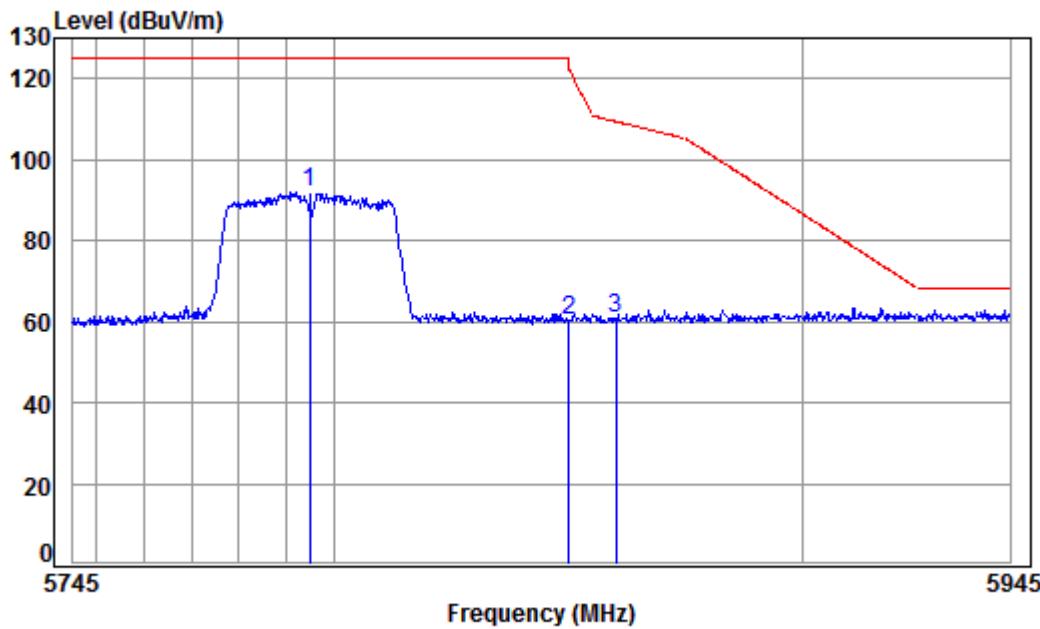
Job No : 03478CR

Mode : 5795 Band edge

Note : 5G WIFI 11N 40

	Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m dB
1 pp	5795.000	9.88	34.90	41.78	93.46	96.46	125.20 -28.74 peak
2	5850.000	10.07	34.95	41.73	57.01	60.30	122.20 -61.90 peak
3	5860.000	10.10	34.96	41.72	57.18	60.52	109.40 -48.88 peak

Mode:f; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

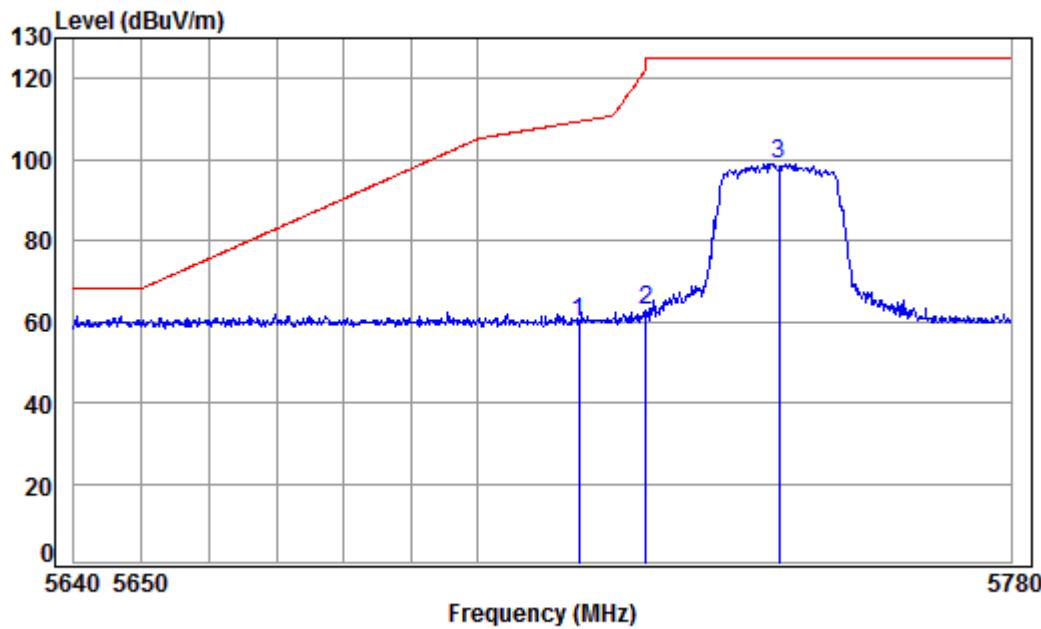
Job No : 03478CR

Mode : 5795 Band edge

Note : 5G WIFI 11N 40

	Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB
1 pp	5795.000	9.88	34.90	41.78	88.75	91.75	125.20 -33.45 peak
2	5850.000	10.07	34.95	41.73	57.07	60.36	122.20 -61.84 peak
3	5860.000	10.10	34.96	41.72	57.43	60.77	109.40 -48.63 peak

Mode:f; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

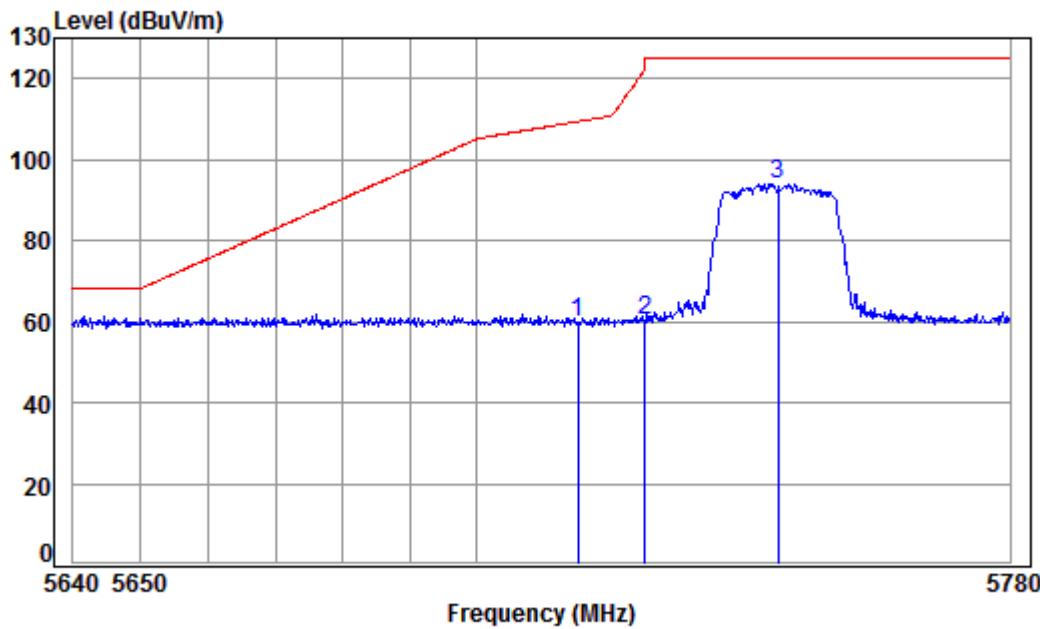
Job No : 03478CR

Mode : 5745 Band edge

Note : 5G WIFI 1AC 20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Over Line dB	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	9.61	34.82	41.85	57.42	60.00	109.40	-49.40	peak
2	5725.000	9.64	34.83	41.84	59.95	62.58	122.20	-59.62	peak
3 pp	5745.000	9.71	34.85	41.82	96.09	98.83	125.20	-26.37	peak

Mode:f; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

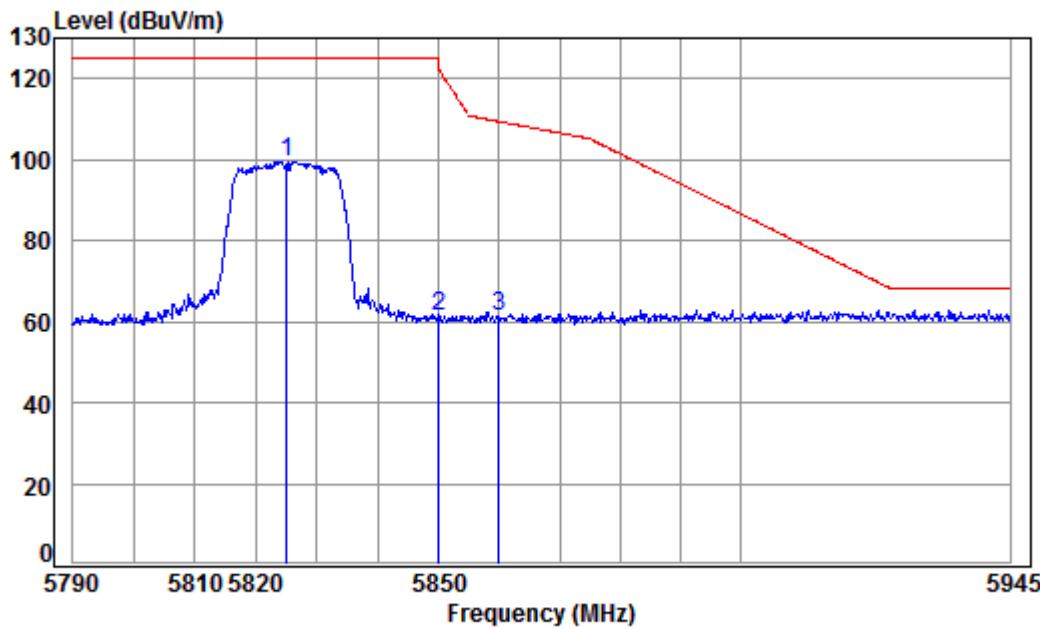
Job No : 03478CR

Mode : 5745 Band edge

Note : 5G WIFI 1AC 20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	9.61	34.82	41.85	57.15	59.73	109.40	-49.67	peak
2	5725.000	9.64	34.83	41.84	57.88	60.51	122.20	-61.69	peak
3 pp	5745.000	9.71	34.85	41.82	91.40	94.14	125.20	-31.06	peak

Mode:f; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

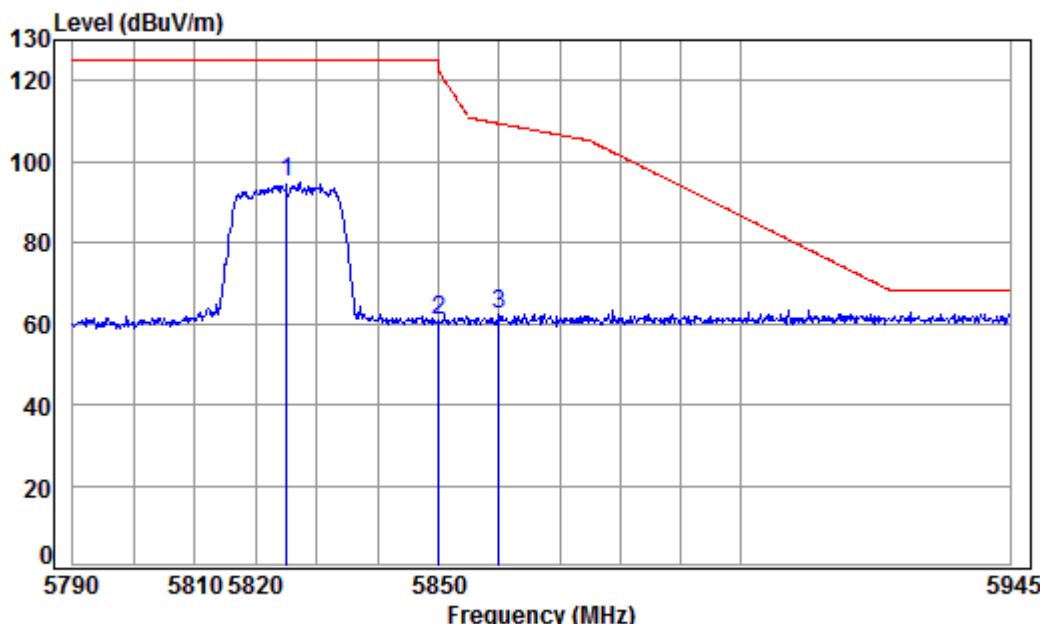
Job No : 03478CR

Mode : 5825 Band edge

Note : 5G WIFI 1AC 20

	Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB
1 pp	5825.000	9.98	34.93	41.75	96.37	99.53	125.20 -25.67 peak
2	5850.000	10.07	34.95	41.73	58.15	61.44	122.20 -60.76 peak
3	5860.000	10.10	34.96	41.72	57.94	61.28	109.40 -48.12 peak

Mode:f; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

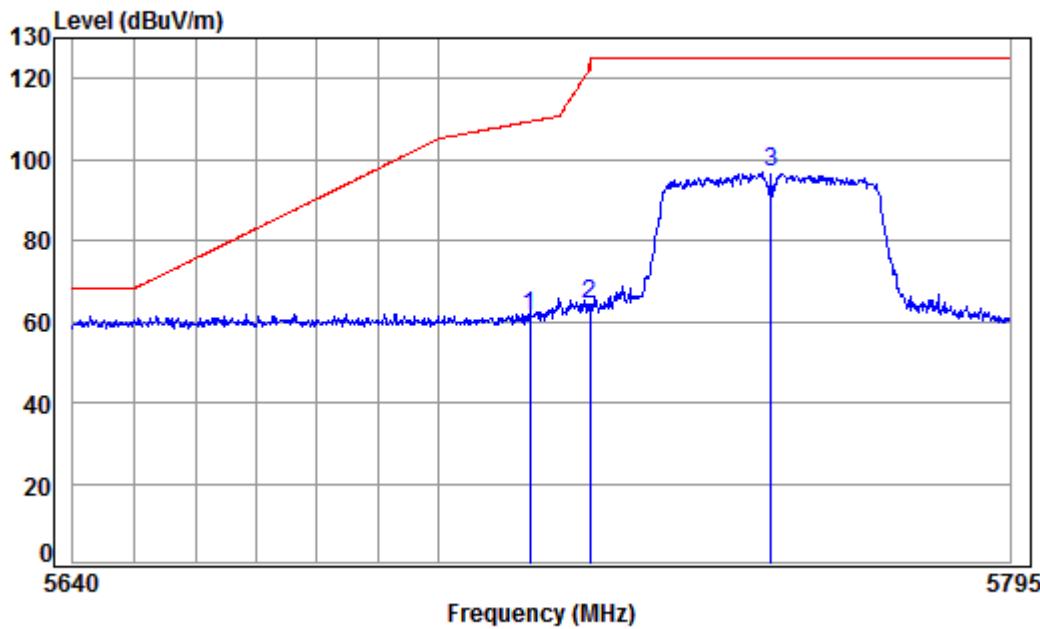
Job No : 03478CR

Mode : 5825 Band edge

Note : 5G WIFI 1AC 20

	Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB
1 pp	5825.000	9.98	34.93	41.75	91.55	94.71	125.20
2	5850.000	10.07	34.95	41.73	57.32	60.61	122.20
3	5860.000	10.10	34.96	41.72	58.80	62.14	109.40

Mode:f; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

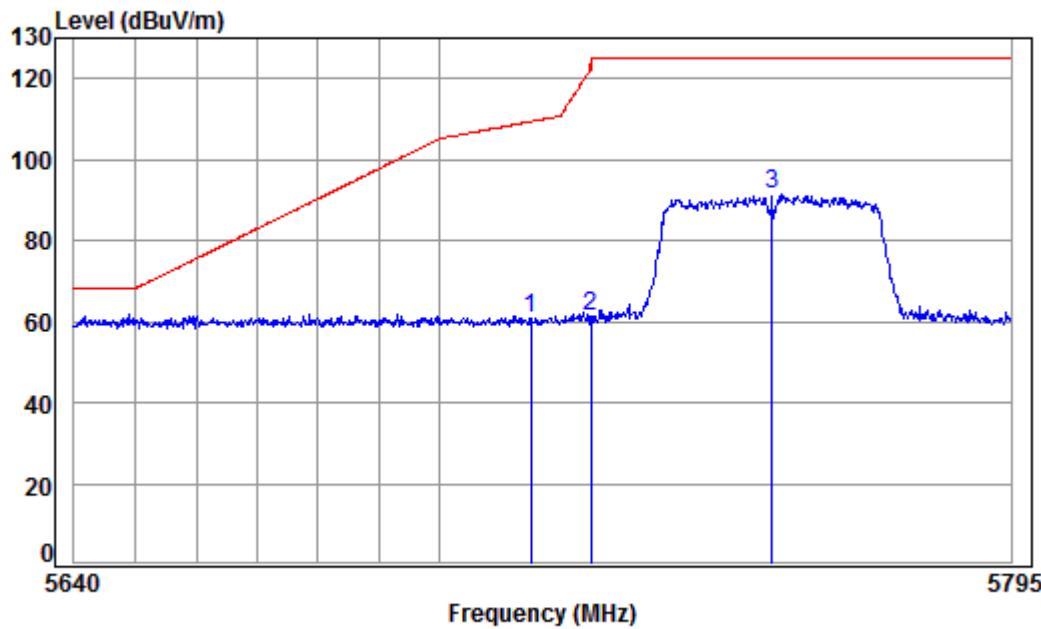
Job No : 03478CR

Mode : 5755 Band edge

Note : 5G WIFI 1AC 40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Remark
1	5715.000	9.61	34.82	41.85	58.55	61.13	109.40	-48.27	peak
2	5725.000	9.64	34.83	41.84	61.77	64.40	122.20	-57.80	peak
3 pp	5755.000	9.75	34.86	41.81	93.88	96.68	125.20	-28.52	peak

Mode:f; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

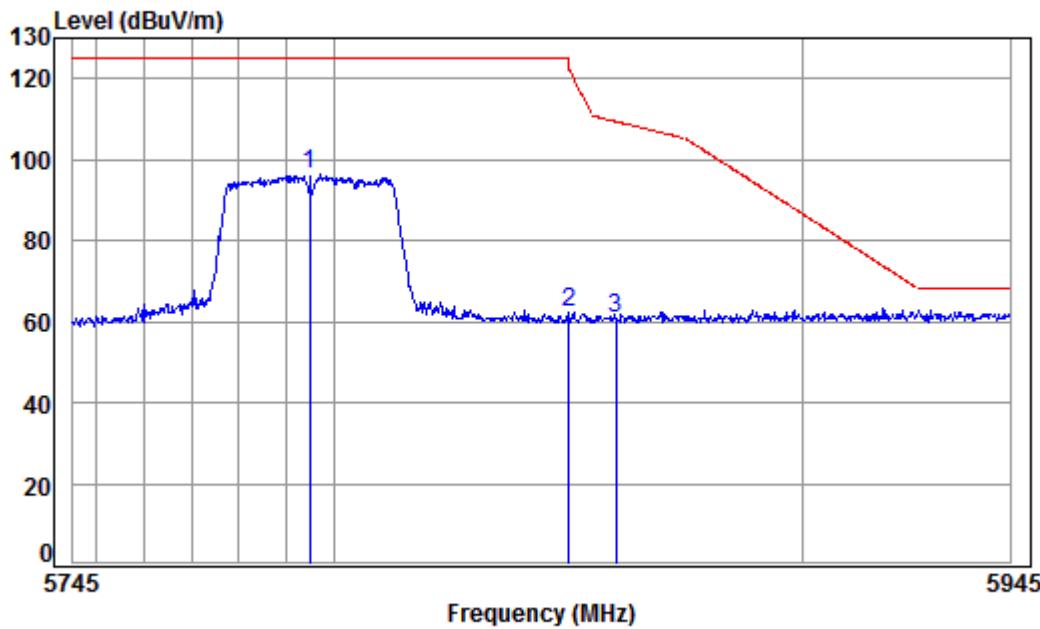
Job No : 03478CR

Mode : 5755 Band edge

Note : 5G WIFI 1AC 40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	9.61	34.82	41.85	58.08	60.66	109.40	-48.74	peak
2	5725.000	9.64	34.83	41.84	58.59	61.22	122.20	-60.98	peak
3 pp	5755.000	9.75	34.86	41.81	88.52	91.32	125.20	-33.88	peak

Mode:f; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

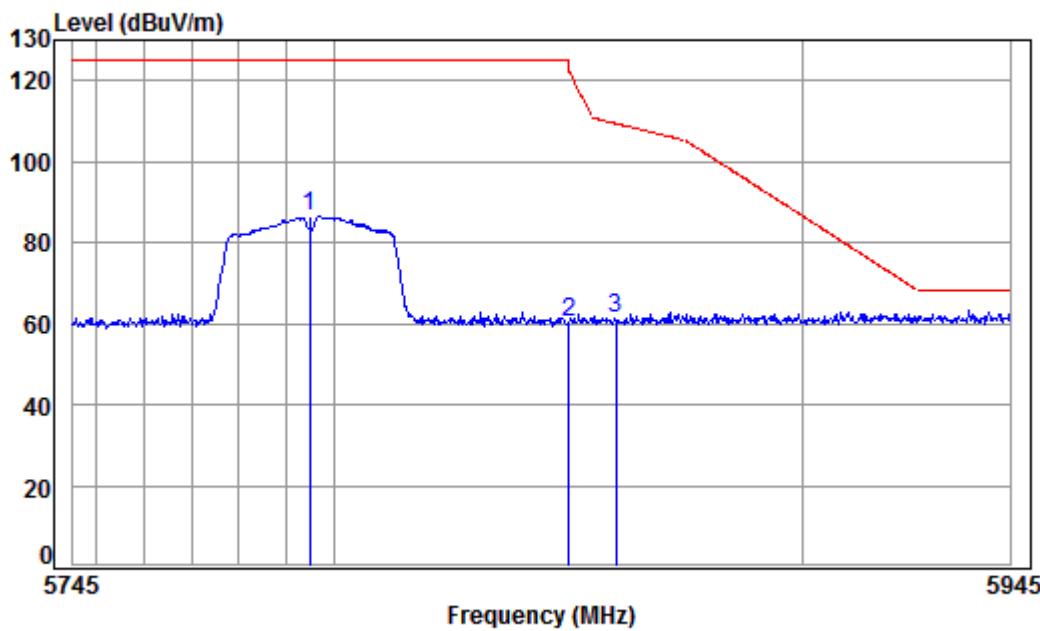
Job No : 03478CR

Mode : 5795 Band edge

Note : 5G WIFI 1AC 40

	Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB
1 pp	5795.000	9.88	34.90	41.78	93.14	96.14	125.20 -29.06 peak
2	5850.000	10.07	34.95	41.73	58.79	62.08	122.20 -60.12 peak
3	5860.000	10.10	34.96	41.72	57.57	60.91	109.40 -48.49 peak

Mode:f; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

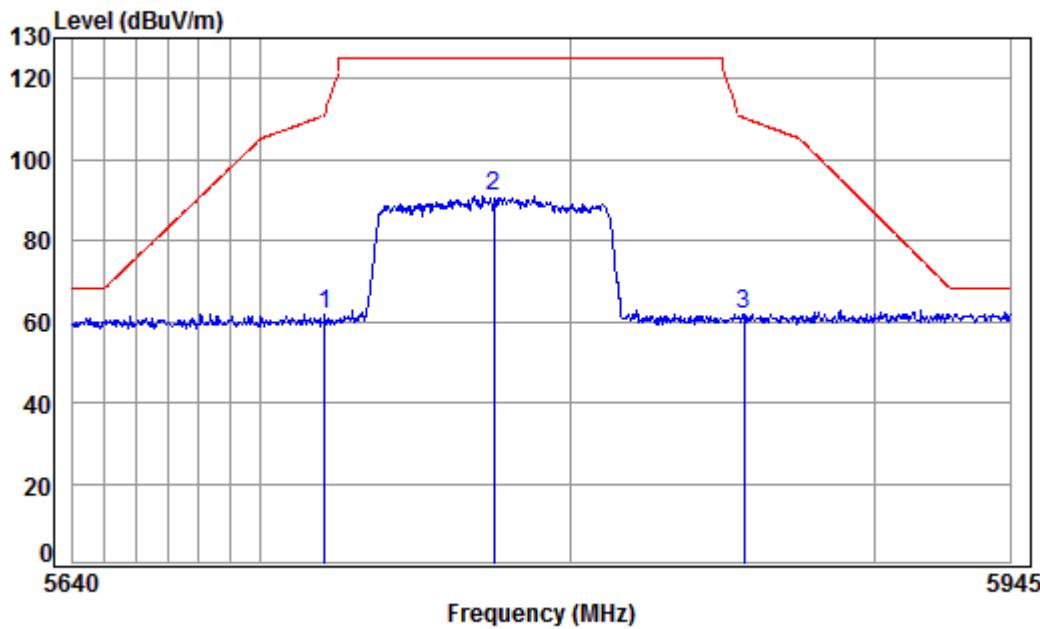
Job No : 03478CR

Mode : 5795 Band edge

Note : 5G WIFI 1AC 40

	Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB
1 pp	5795.000	9.88	34.90	41.78	83.42	86.42	125.20
2	5850.000	10.07	34.95	41.73	56.89	60.18	122.20
3	5860.000	10.10	34.96	41.72	57.98	61.32	109.40

Mode:f; Polarization:Horizontal; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

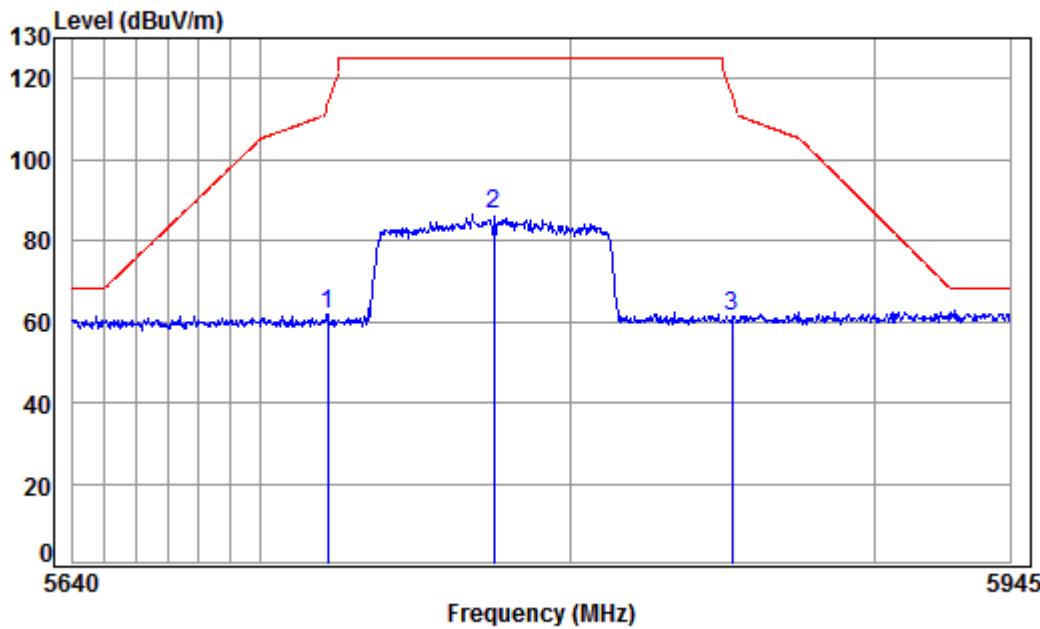
Job No : 03478CR

Mode : 5775 Band edge

Note : 5G WIFI 1AC 80

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5720.472	9.63	34.83	41.84	59.18	61.80	111.88	-50.08 peak
2 pp	5775.000	9.81	34.88	41.79	88.12	91.02	125.20	-34.18 peak
3	5856.741	10.09	34.96	41.73	58.54	61.86	110.31	-48.45 peak

Mode:f; Polarization:Vertical; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 03478CR

Mode : 5775 Band edge

Note : 5G WIFI 1AC 80

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5721.376	9.63	34.83	41.84	59.28	61.90	113.94	-52.04 peak
2 pp	5775.000	9.81	34.88	41.79	83.42	86.32	125.20	-38.88 peak
3	5852.732	10.08	34.96	41.73	58.18	61.49	115.97	-54.48 peak

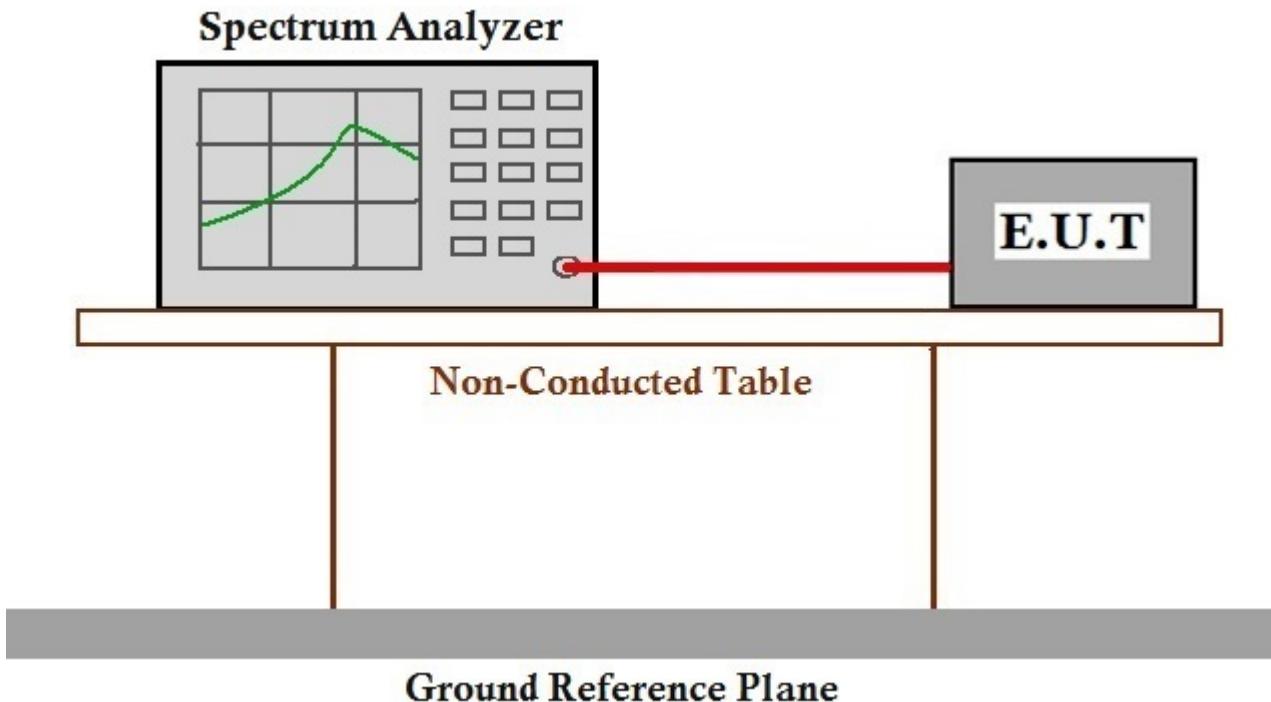
## 7.8 Frequency Stability

Test Requirement 47 CFR Part 15, Subpart C 15.407 (g)  
Test Method: ANSI C63.10 (2013) Section 6.8  
Limit: The frequency tolerance shall be maintained within the band of operation frequency over a temperature variation of 0 degrees to 35 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C.

### 7.8.1 E.U.T. Operation

Operating Environment:

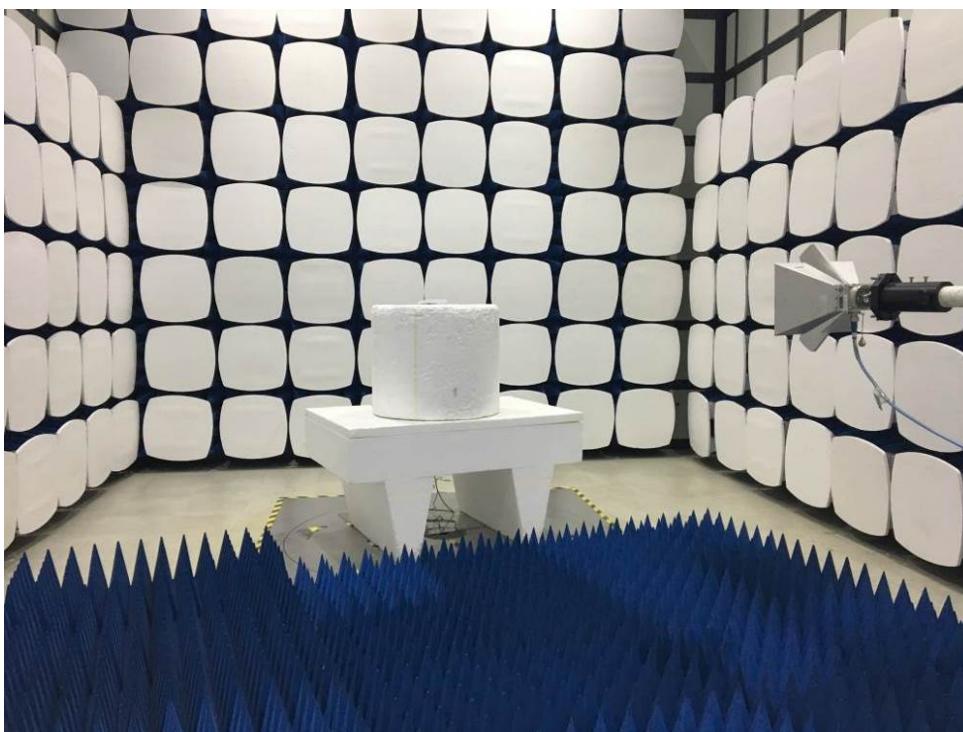
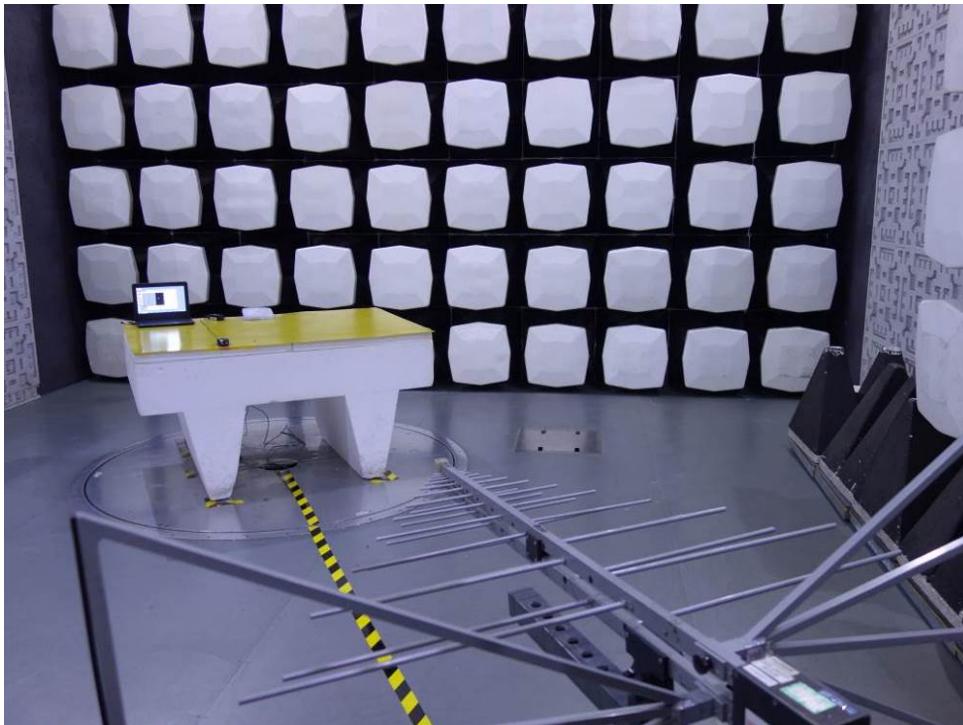
Temperature: 23.3 °C      Humidity: 64.1 % RH      Atmospheric Pressure: 1010 mbar  
Test mode: c:TX mode (Band 1)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 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.  
f:TX mode (Band 3)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

**7.8.2 Test Setup Diagram****7.8.3 Measurement Procedure and Data**

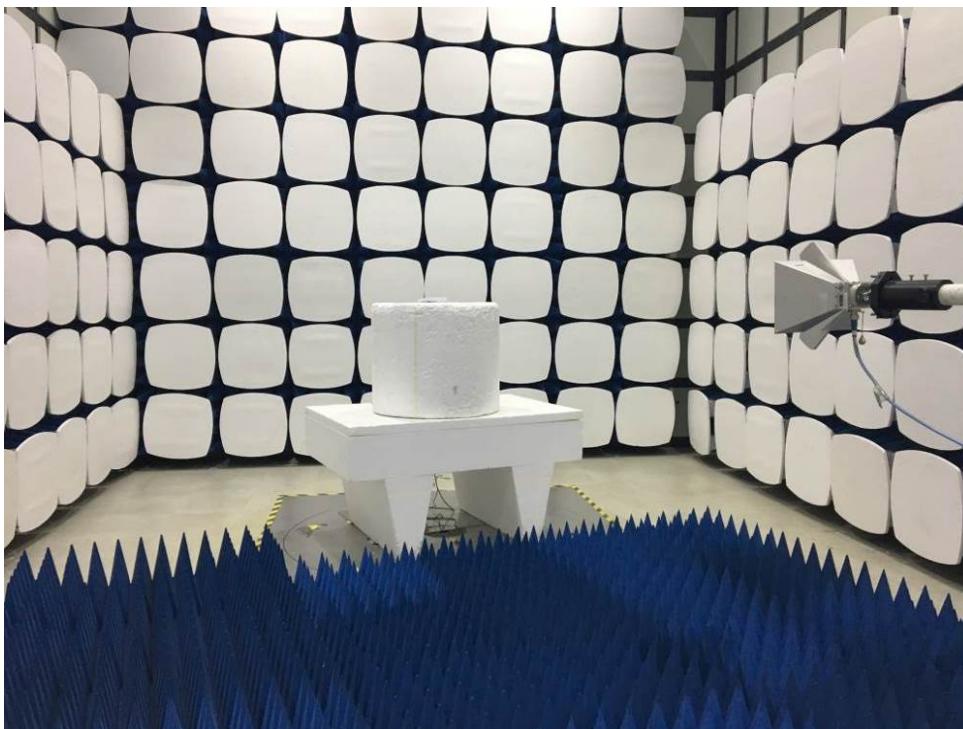
The applicant declares that the emissions are maintained within the band of operation under all conditions of normal operation as specified in the user's manual and meets Section 15.407(g) requirements.

## 8 Photographs

### 8.1 Radiated Emissions Test Setup



## **8.2 Radiated Emissions which fall in the restricted bands Test Setup**



## **8.3 EUT Constructional Details (EUT Photos)**

Please Refer to external and internal photos for details.