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Report No.: SZEM170600589105  
Page: 1 of 700

## **TEST REPORT**

**Application No.:** SZEM1706005891CR  
**Applicant:** Harman International Industries, Incorporated  
**Address of Applicant:** 8500 Balboa Blvd, Northridge, CA 91329, UNITED STATES  
**Manufacturer:** Harman International Industries, Incorporated  
**Address of Manufacturer:** 8500 Balboa Blvd, Northridge, CA 91329, UNITED STATES  
**Factory:** TCL TECHNOLOGY ELECTRONICS (HUIZHOU) CO., LTD  
**Address of Factory:** Section 19, Zhongkai High-tech development Zone, Huizhou City, Guangdong Province, China  
Section 37, Zhongkai High-tech development Zone, Huizhou City, Guangdong Province, China

**Equipment Under Test (EUT):**

**EUT Name:** Wireless HD Television sound bar  
**Model No.:** OMNI BAR+  
**Trade mark:** harman/kardon  
**FCC ID:** APIOMNIBAR  
**Standards:** 47 CFR Part 15, Subpart E 15.407 (2016)  
**Date of Receipt:** 2017-06-13  
**Date of Test:** 2017-06-29 to 2017-08-18  
**Date of Issue:** 2017-08-20

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



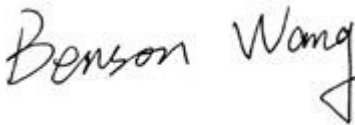

Jack Zhang  
EMC Laboratory Manager

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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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2017-08-09		Original

Authorized for issue by:				
				
		<hr/> Benson Wang /Project Engineer		
				
		<hr/> Eric Fu /Reviewer		



## 2 Test Summary

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

N/A: Not applicable

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart E 15.407	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15.207 & 15.407 b(6)	Pass
Duty Cycle	47 CFR Part 15, Subpart E 15.407	KDB 789033 II B 1	KDB 789033 D02 II B 1	Pass
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 E 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 E 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 E 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 E 15.407 (a)	Pass
DFS: Channel Move Time	47 CFR Part 15, Subpart E 15.407	KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass
DFS: Channel Closing Transmission Time	47 CFR Part 15, Subpart E 15.407	KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass
Radiated Emissions	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II G	47 CFR Part 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 15.209 & 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 E 15.407 (g)	Pass

N/A: Not applicable



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## 4 General Information

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

Power supply:

Soundbar: powered by adapter

Adapter model: NSA96ED-240400

Input: AC 100-240V 50/60Hz 1.5A

Output: DC 24V 4A Max

Remote control: DC 3V (1 x 3V CR2025 battery)

Cable:

Soundbar AC cable: 116cm unshielded (two pin)

DC cable of the Adapter: 140cm unshielded with one ferrite core.

HDMI cable 98cm shielded

Operation Frequency:

Band	Mode	Frequency Range(MHz)	Number of channels
UNII Band I	IEEE 802.11a	5180-5240	4
	IEEE 802.11n/ac 20MHz	5180-5240	4
	IEEE 802.11n/ac 40MHz	5190-5230	2
	IEEE 802.11ac 80MHz	5210	1
UNII Band II-A	IEEE 802.11a	5260-5320	4
	IEEE 802.11n/ac 20MHz	5260-5320	4
	IEEE 802.11n/ac 40MHz	5270-5310	2
	IEEE 802.11ac 80MHz	5290	1
UNII Band II-C	IEEE 802.11a	5500-5700	11
	IEEE 802.11n/ac 20MHz	5500-5700	11
	IEEE 802.11n/ac 40MHz	5510-5670	5
	IEEE 802.11ac 80MHz	5530-5610	2
UNII Band III	IEEE 802.11a	5745-5825	5
	IEEE 802.11n/ac 20MHz	5745-5825	5
	IEEE 802.11n/ac 40MHz	5755-5795	2
	IEEE 802.11ac 80MHz	5775	1

Type of Modulation:

IEEE 802.11a: OFDM(BPSK/QPSK/16QAM/64QAM)

IEEE 802.11n: OFDM(BPSK/QPSK/16QAM/64QAM)

IEEE 802.11ac: OFDM (BPSK/QPSK/16QAM/64QAM/256QAM)

DFS mode:

Slave without radar detection

Antenna type:

Integral

(Remark: The Antenna 1 and Antenna 2 can transmit simultaneously)

Antenna gain

Antenna 1: 2.65dBi, Antenna 2: 2.43dBi

Note: For 802.11a mode, all of the test were performed at SISO mode, each antenna was tested separately. For 802.11n and 802.11ac mode, the two antennas can transmit simultaneously.



For UNII Band I:

Mode	Channel	Frequency(MHz)
IEEE 802.11a/n/ac 20MHz	The Lowest channel	5180
	The Middle channel	5200
	The Highest channel	5240
IEEE 802.11n/ac 40MHz	The Lowest channel	5190
	The Highest channel	5230
IEEE 802.11ac 80MHz	The Middle channel	5210

For UNII Band II-A:

Mode	Channel	Frequency(MHz)
IEEE 802.11a/n/ac 20MHz	The Lowest channel	5260
	The Middle channel	5300
	The Highest channel	5320
IEEE 802.11n/ac 40MHz	The Lowest channel	5270
	The Highest channel	5310
IEEE 802.11ac 80MHz	The Middle channel	5290



For UNII Band II-C:

Mode	Channel	Frequency(MHz)
IEEE 802.11a/n/ac 20MHz	The Lowest channel	5500
	The Middle channel	5600
	The Highest channel	5700
IEEE 802.11n/ac 40MHz	The Lowest channel	5510
	The Middle channel	5590
	The Highest channel	5670
IEEE 802.11ac 80MHz	The Lowest channel	5530
	The Highest channel	5610

For UNII Band III:

Mode	Channel	Frequency(MHz)
IEEE 802.11a/n/ac 20MHz	The Lowest channel	5745
	The Middle channel	5785
	The Highest channel	5825
IEEE 802.11n/ac 40MHz	The Lowest channel	5755
	The Highest channel	5795
IEEE 802.11ac 80MHz	The Middle channel	5775





## 4.2 Description of Support Units

The EUT has been tested as an independent unit.

## 4.3 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	$7.25 \times 10^{-8}$
2	Duty cycle	0.37%
3	Occupied Bandwidth	3%
4	RF conducted power	0.75dB
5	RF power density	2.84dB
6	Conducted Spurious emissions	0.75dB
7	RF Radiated power	4.5dB (below 1GHz)
		4.8dB (above 1GHz)
8	Radiated Spurious emission test	4.5dB (30MHz-1GHz)
		4.8dB (1GHz-18GHz)
9	Temperature test	1 °C
10	Humidity test	3%
11	Supply voltages	1.5%
12	Time	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 10m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-823, R-4188, T-1153 and C-2383 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

Conducted Emissions at AC Power Line (150kHz-30MHz)					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2017-05-10	2018-05-10
Measurement Software	AUDIX	e3 V5.4.1221d	N/A	N/A	N/A
LISN	Rohde & Schwarz	ENV216	SEM007-01	2016-10-09	2017-10-09
LISN	ETS-LINDGREN	3816/2	SEM007-02	2017-04-14	2018-04-13
8 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T8-02	EMC0120	2016-09-28	2017-09-28
4 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN-T4-02	EMC0121	2016-09-28	2017-09-28
2 Line ISN	Fischer Custom	FCC-TLISN-T2-02	EMC0122	2016-09-28	2017-09-28

Duty Cycle					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2016-10-09	2017-10-09
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2016-10-09	2017-10-09
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Signal Generator	Rohde & Schwarz	SML03	SEM006-02	2017-04-14	2018-04-13
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2016-10-09	2017-10-09

99% Bandwidth					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2016-10-09	2017-10-09
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2016-10-09	2017-10-09
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Signal Generator	Rohde & Schwarz	SML03	SEM006-02	2017-04-14	2018-04-13
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2016-10-09	2017-10-09



<b>26dB Emission bandwidth</b>					
<b>Equipment</b>	<b>Manufacturer</b>	<b>Model No</b>	<b>Inventory No</b>	<b>Cal Date</b>	<b>Cal Due Date</b>
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2016-10-09	2017-10-09
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2016-10-09	2017-10-09
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Signal Generator	Rohde & Schwarz	SML03	SEM006-02	2017-04-14	2018-04-13
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2016-10-09	2017-10-09

<b>Minimum 6 dB bandwidth (5.725-5.85 GHz band )</b>					
<b>Equipment</b>	<b>Manufacturer</b>	<b>Model No</b>	<b>Inventory No</b>	<b>Cal Date</b>	<b>Cal Due Date</b>
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2016-10-09	2017-10-09
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2016-10-09	2017-10-09
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Signal Generator	Rohde & Schwarz	SML03	SEM006-02	2017-04-14	2018-04-13
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2016-10-09	2017-10-09

<b>Maximum Conducted output power</b>					
<b>Equipment</b>	<b>Manufacturer</b>	<b>Model No</b>	<b>Inventory No</b>	<b>Cal Date</b>	<b>Cal Due Date</b>
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2016-10-09	2017-10-09
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2016-10-09	2017-10-09
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Signal Generator	Rohde & Schwarz	SML03	SEM006-02	2017-04-14	2018-04-13
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2016-10-09	2017-10-09

<b>Peak Power spectrum density</b>					
<b>Equipment</b>	<b>Manufacturer</b>	<b>Model No</b>	<b>Inventory No</b>	<b>Cal Date</b>	<b>Cal Due Date</b>
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2016-10-09	2017-10-09
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2016-10-09	2017-10-09
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Signal Generator	Rohde & Schwarz	SML03	SEM006-02	2017-04-14	2018-04-13
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2016-10-09	2017-10-09



Radiated Emissions Above 1GHz					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2017-05-10	2018-05-10
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Spectrum Analyzer	Rohde & Schwarz	FSU43	SEM004-08	2017-04-14	2018-04-13
BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-02	2017-03-05	2020-03-05
Horn Antenna (1-18GHz)	Rohde & Schwarz	HF907	SEM003-07	2015-06-14	2018-06-14
Horn Antenna(15GHz-40GHz)	Schwarzbeck	BBHA 9170	SEM003-14	2017-06-16	2020-06-15
Pre-amplifier (0.1-1300MHz)	HP	8447D	SEM005-02	2016-10-09	2017-10-09
Low Noise Amplifier(100MHz-18GHz)	Black Diamond Series	BDLNA-0118-352810	SEM005-05	2016-10-09	2017-10-09
Pre-amplifier(0.1-26.5GHz)	Compliance Directions Systems Inc.	PAP-0126	SEM004-10	2016-10-17	2017-10-17
Pre-amplifier(26GHz-40GHz)	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2017-04-14	2018-04-13
DC Power Supply	Zhao Xin	RXN-305D	SEM011-02	2016-10-09	2017-10-09
Active Loop Antenna	ETS-Lindgren	6502	SEM003-08	2015-08-14	2018-08-14
Band filter	N/A	N/A	SEM023-01	N/A	N/A

Radiated Emissions Below 1GHz					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2017-08-05	2020-08-04
MXE EMI Receiver (20Hz-8.4GHz)	Agilent Technologies	N9038A	SEM004-05	2016-10-09	2017-10-09
BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEM003-02	2017-03-05	2020-03-05
Pre-amplifier (0.1-1300MHz)	Agilent Technologies	8447D	SEM005-01	2017-04-14	2018-04-13
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A



Radiated Emissions which fall in the restricted bands					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2017-05-10	2018-05-10
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Spectrum Analyzer	Rohde & Schwarz	FSU43	SEM004-08	2017-04-14	2018-04-13
BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-02	2017-03-05	2020-03-05
Horn Antenna (1-18GHz)	Rohde & Schwarz	HF907	SEM003-07	2015-06-14	2018-06-14
Horn Antenna(15GHz-40GHz)	Schwarzbeck	BBHA 9170	SEM003-14	2017-06-16	2020-06-15
Pre-amplifier (0.1-1300MHz)	HP	8447D	SEM005-02	2016-10-09	2017-10-09
Low Noise Amplifier(100MHz-18GHz)	Black Diamond Series	BDLNA-0118-352810	SEM005-05	2016-10-09	2017-10-09
Pre-amplifier(0.1-26.5GHz)	Compliance Directions Systems Inc.	PAP-0126	SEM004-10	2016-10-17	2017-10-17
Pre-amplifier(26GHz-40GHz)	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2017-04-14	2018-04-13
DC Power Supply	Zhao Xin	RXN-305D	SEM011-02	2016-10-09	2017-10-09
Active Loop Antenna	ETS-Lindgren	6502	SEM003-08	2015-08-14	2018-08-14
Band filter	N/A	N/A	SEM023-01	N/A	N/A

Frequency Stability					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2016-10-09	2017-10-09
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2016-10-09	2017-10-09
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Signal Generator	Rohde & Schwarz	SML03	SEM006-02	2017-04-14	2018-04-13
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2016-10-09	2017-10-09



DFS: Channel Move Time					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
EXA Spectrum Analyzer	KEYSIGHT	N9010A	SEM004-12	2017-07-17	2018-07-16
Signal Generator (9kHz-3GHz)	KEYSIGHT	N5171B	SEM006-13	2017-07-17	2018-07-16
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
MXG Vector Signal Generator	KEYSIGHT	N5182A	SEM006-14	2017-06-05	2018-06-04
DC Power Supply	KEYSIGHT	E3642A	SEM011-07	2017-06-05	2018-06-04
Manual Step Attenuator	KEYSIGHT	8494B	SEM021-05	2017-05-04	2018-05-03
Manual Step Attenuator	KEYSIGHT	8496B	SEM021-06	2017-05-04	2018-05-03
Power Sensor	KEYSIGHT	U2021XA	SEM009-01	2016-10-09	2017-10-09
Power Sensor	KEYSIGHT	U2021XA	SEM009-04	2016-10-09	2017-10-09
Power Sensor	KEYSIGHT	U2021XA	SEM009-13	2017-06-21	2018-06-20
Power Sensor	KEYSIGHT	U2021XA	SEM009-14	2017-06-21	2018-06-20
Bluetooth Tester	Rohde & Schwarz	CBT	W060-01	2017-06-21	2018-06-20

DFS: Channel Closing Transmission Time					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
EXA Spectrum Analyzer	KEYSIGHT	N9010A	SEM004-12	2017-07-17	2018-07-16
Signal Generator (9kHz-3GHz)	KEYSIGHT	N5171B	SEM006-13	2017-07-17	2018-07-16
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
MXG Vector Signal Generator	KEYSIGHT	N5182A	SEM006-14	2017-06-05	2018-06-04
DC Power Supply	KEYSIGHT	E3642A	SEM011-07	2017-06-05	2018-06-04
Manual Step Attenuator	KEYSIGHT	8494B	SEM021-05	2017-05-04	2018-05-03
Manual Step Attenuator	KEYSIGHT	8496B	SEM021-06	2017-05-04	2018-05-03
Power Sensor	KEYSIGHT	U2021XA	SEM009-01	2016-10-09	2017-10-09
Power Sensor	KEYSIGHT	U2021XA	SEM009-04	2016-10-09	2017-10-09
Power Sensor	KEYSIGHT	U2021XA	SEM009-13	2017-06-21	2018-06-20
Power Sensor	KEYSIGHT	U2021XA	SEM009-14	2017-06-21	2018-06-20
Bluetooth Tester	Rohde & Schwarz	CBT	W060-01	2017-06-21	2018-06-20



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

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General used equipment					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	ZJ1-2B	SEM002-03	2016-10-12	2017-10-12
Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	ZJ1-2B	SEM002-04	2016-10-12	2017-10-12
Humidity/ Temperature Indicator	Mingle	N/A	SEM002-08	2016-10-12	2017-10-12
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2017-04-18	2018-04-18



## 6 Radio Spectrum Technical Requirement

### 6.1 Antenna Requirement

#### 6.1.1 Test Requirement:

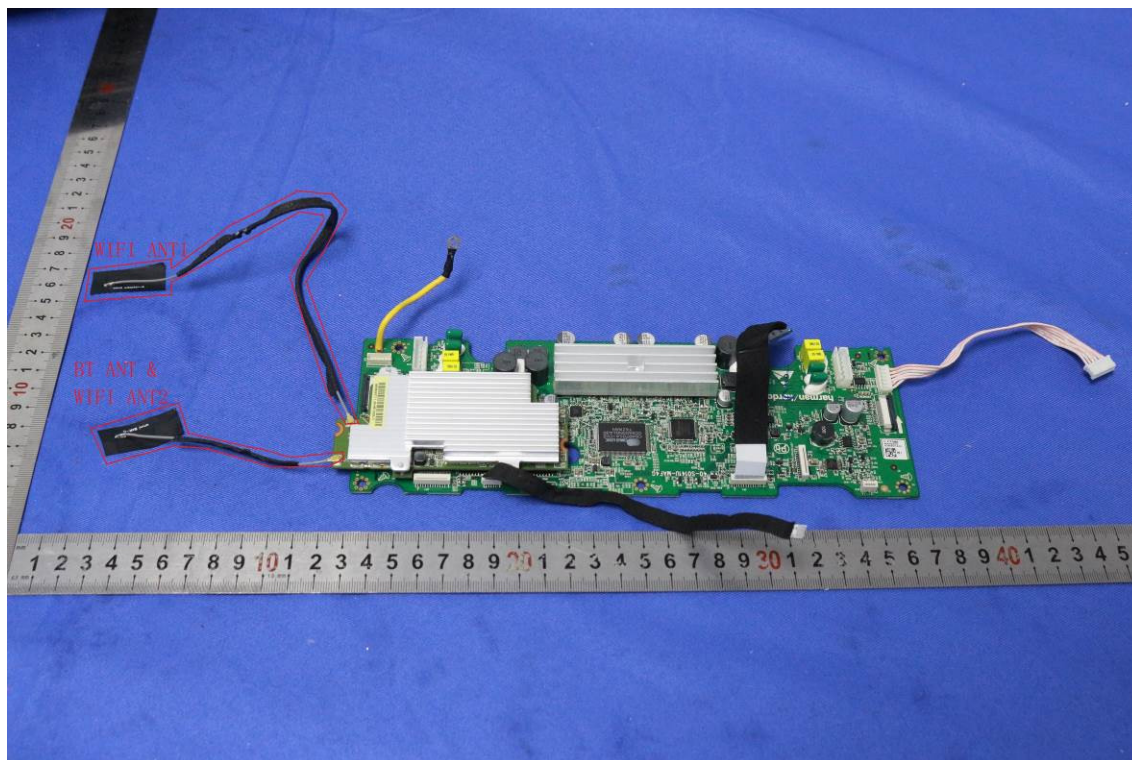
47 CFR Part 15, Subpart C 15.203

#### 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 module PCB and no consideration of replacement. The best case gain of the Antenna 1: 2.65dBi, Antenna 2: 2.43dBi



## **6.2 Transmission in the Absence of Data**

### **6.2.1 Test Requirement:**

47 CFR Part 15, Subpart E 15.407 (c)

### **6.2.2 Conclusion**

Standard Requirement:

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

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

EUT Details:

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



## 7 Radio Spectrum Matter Test Results

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

Test Requirement 47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(6)

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

Limit:

Frequency of emission(MHz)	Conducted limit(dBμV)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50
*Decreases with the logarithm of the frequency.		



### 7.1.1 E.U.T. Operation

#### Operating Environment:

Temperature: 25 °C Humidity: 52 % RH Atmospheric Pressure: 1000 mbar

Pretest these mode to find the worst case: e: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.

h: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.

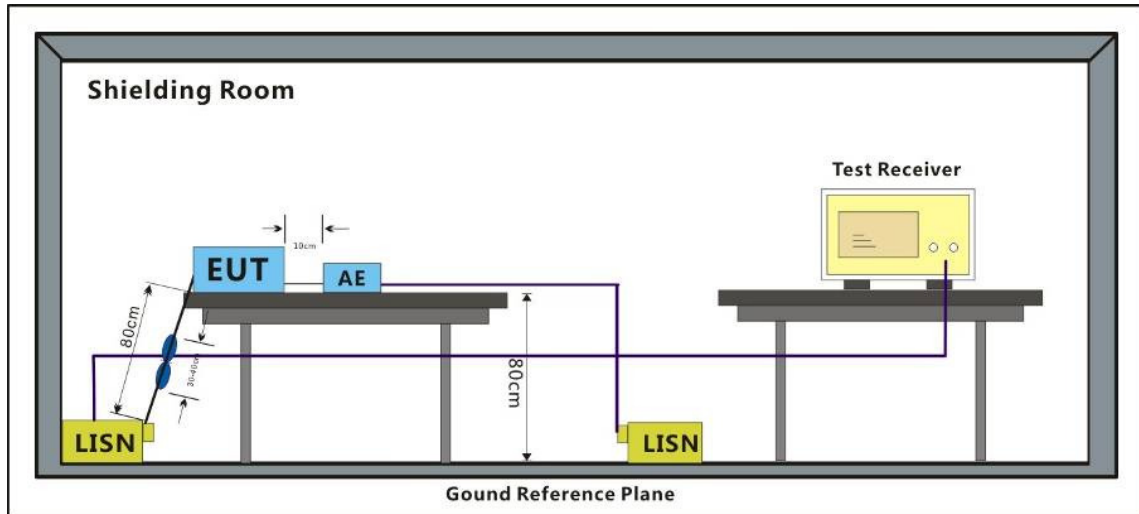
g:TX mode (Band 2C)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

f:TX mode (Band 2A)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

#### The worst case for final test:

e: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.

### 7.1.2 Test Setup Diagram



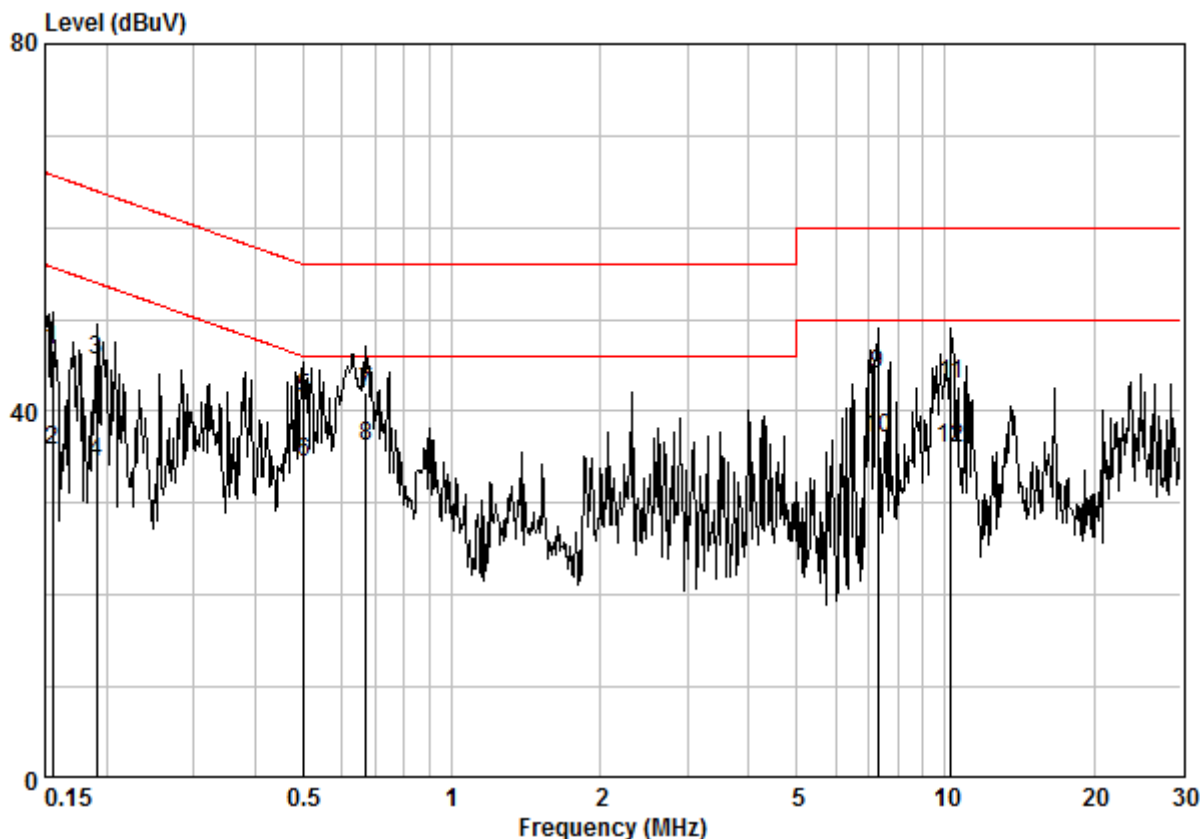
### 7.1.3 Measurement Procedure and Data

- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50μH + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

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



Mode:e; Line:Live Line

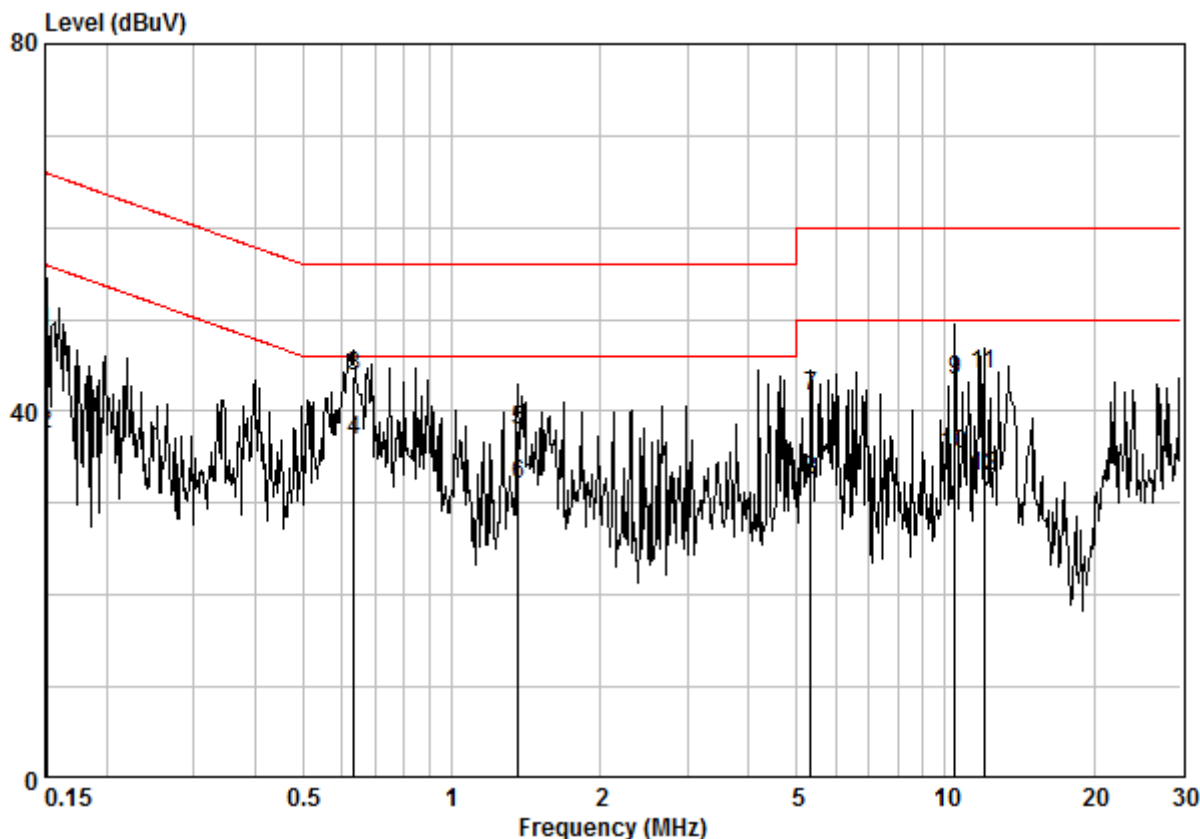


Site : Shielding Room  
Condition : CE LINE  
Job No. : 05891CR  
Test Mode : e

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.15567	0.02	9.64	37.02	46.68	65.69	-19.01	QP
2	0.15567	0.02	9.64	26.02	35.68	55.69	-20.01	Average
3	0.19039	0.02	9.64	35.87	45.53	64.02	-18.49	QP
4	0.19039	0.02	9.64	24.87	34.53	54.02	-19.49	Average
5	0.50203	0.02	9.64	31.71	41.37	56.00	-14.63	QP
6	0.50203	0.02	9.64	24.71	34.37	46.00	-11.63	Average
7	0.67187	0.02	9.65	32.48	42.16	56.00	-13.84	QP
8 @	0.67187	0.02	9.65	26.48	36.16	46.00	-9.84	Average
9	7.290	0.09	9.80	34.10	43.98	60.00	-16.02	QP
10	7.290	0.09	9.80	27.10	36.98	50.00	-13.02	Average
11	10.288	0.14	9.86	33.02	43.02	60.00	-16.98	QP
12	10.288	0.14	9.86	26.02	36.02	50.00	-13.98	Average



Mode:e; Line:Neutral Line



Site : Shielding Room  
Condition : CE NEUTRAL  
Job No. : 05891CR  
Test Mode : e

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.15080	0.02	9.64	38.92	48.58	65.96	-17.37	QP
2	0.15080	0.02	9.64	27.92	37.58	55.96	-18.37	Average
3	0.63383	0.02	9.63	34.10	43.75	56.00	-12.25	QP
4 @	0.63383	0.02	9.63	27.10	36.75	46.00	-9.25	Average
5	1.367	0.03	9.65	28.36	38.03	56.00	-17.97	QP
6	1.367	0.03	9.65	22.36	32.03	46.00	-13.97	Average
7	5.333	0.03	9.73	31.78	41.55	60.00	-18.45	QP
8	5.333	0.03	9.73	22.78	32.55	50.00	-17.45	Average
9	10.452	0.14	9.85	33.39	43.39	60.00	-16.61	QP
10	10.452	0.14	9.85	25.39	35.39	50.00	-14.61	Average
11	11.996	0.15	9.90	33.90	43.94	60.00	-16.06	QP
12	11.996	0.15	9.90	22.90	32.94	50.00	-17.06	Average



## 7.2 Duty Cycle

Test Requirement KDB 789033 D02 II B 1

Test Method: KDB 789033 II B 1

### 7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 25 °C Humidity: 55 % RH Atmospheric Pressure: 1005 mbar

Test mode e: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.

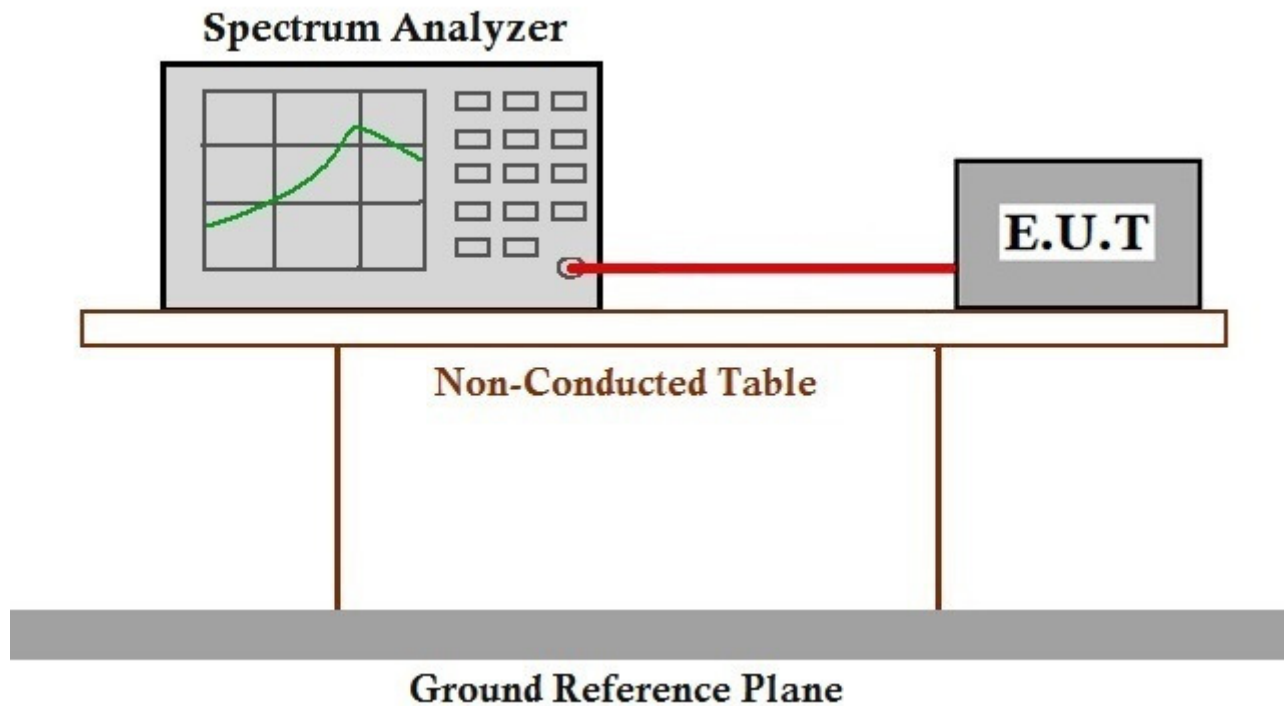
h:TX mode (Band 3)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst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

g:TX mode (Band 2C)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

f:TX mode (Band 2A)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.



### 7.2.2 Test Setup Diagram



### 7.2.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.407



### **7.3 99% Bandwidth**

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

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

Operating Environment:

Temperature: 25 °C Humidity: 55 % RH Atmospheric Pressure: 1005 mbar

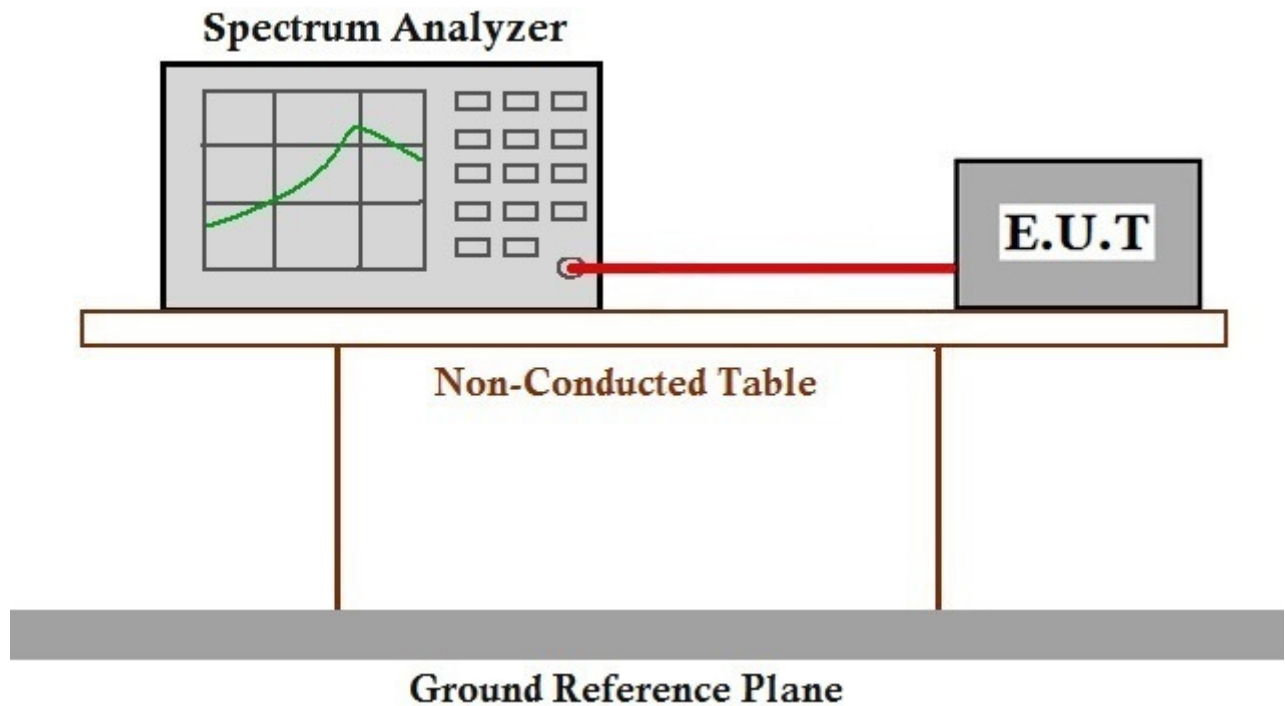
Test mode: e:TX mode (Band 1)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 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.

h: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.

g:TX mode (Band 2C)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

f:TX mode (Band 2A)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

### 7.3.2 Test Setup Diagram



### 7.3.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.407



## **7.4 26dB Emission bandwidth**

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

Test Method: KDB 789033 D02 II C 1

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

Operating Environment:

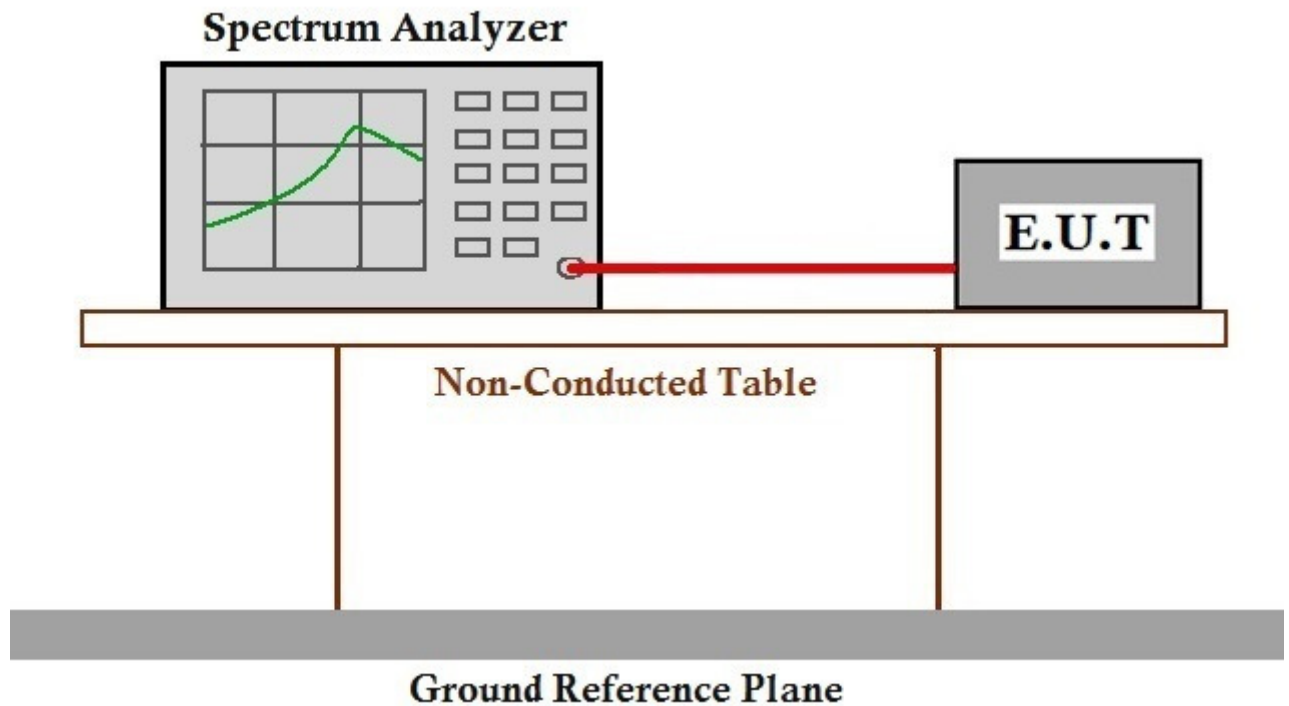
Temperature: 25 °C Humidity: 55 % RH Atmospheric Pressure: 1005 mbar

Test mode: f:TX mode (Band 2A)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

h: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.

g:TX mode (Band 2C)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

#### 7.4.2 Test Setup Diagram



#### 7.4.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.407

## 7.5 Minimum 6 dB bandwidth (5.725-5.85 GHz band )

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

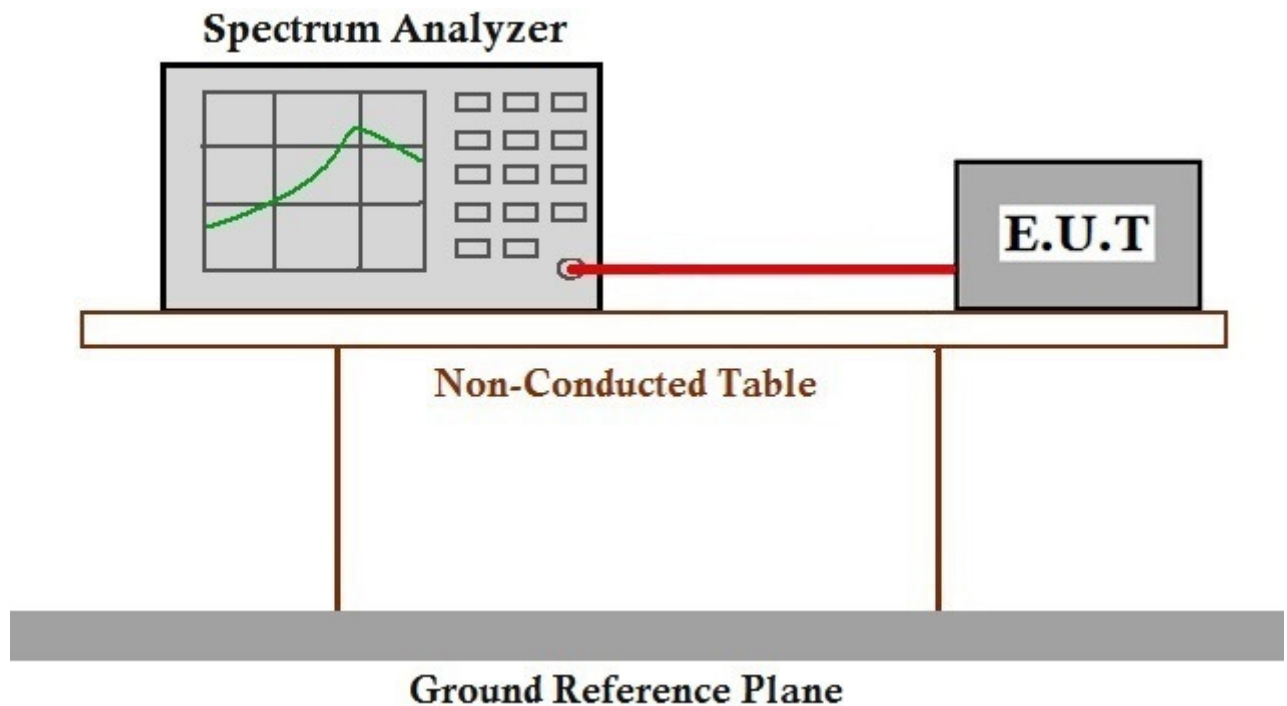
### 7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 25 °C Humidity: 55 % RH Atmospheric Pressure: 1005 mbar

Test mode h: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 Maximum Conducted output power

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

Test Method: KDB 789033 D02 II E

Limit:

Frequency band(MHz)	Limit
5150-5250	$\leq 1\text{W}(30\text{dBm})$ for master device
	$\leq 250\text{mW}(24\text{dBm})$ for client device
5250-5350	$\leq 250\text{mW}(24\text{dBm})$ for client device or $11\text{dBm}+10\log B^*$
5470-5725	$\leq 250\text{mW}(24\text{dBm})$ for client device or $11\text{dBm}+10\log B^*$
5725-5850	$\leq 1\text{W}(30\text{dBm})$

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.



### 7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 25 °C Humidity: 55 % RH Atmospheric Pressure: 1005 mbar

Test mode: e: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.

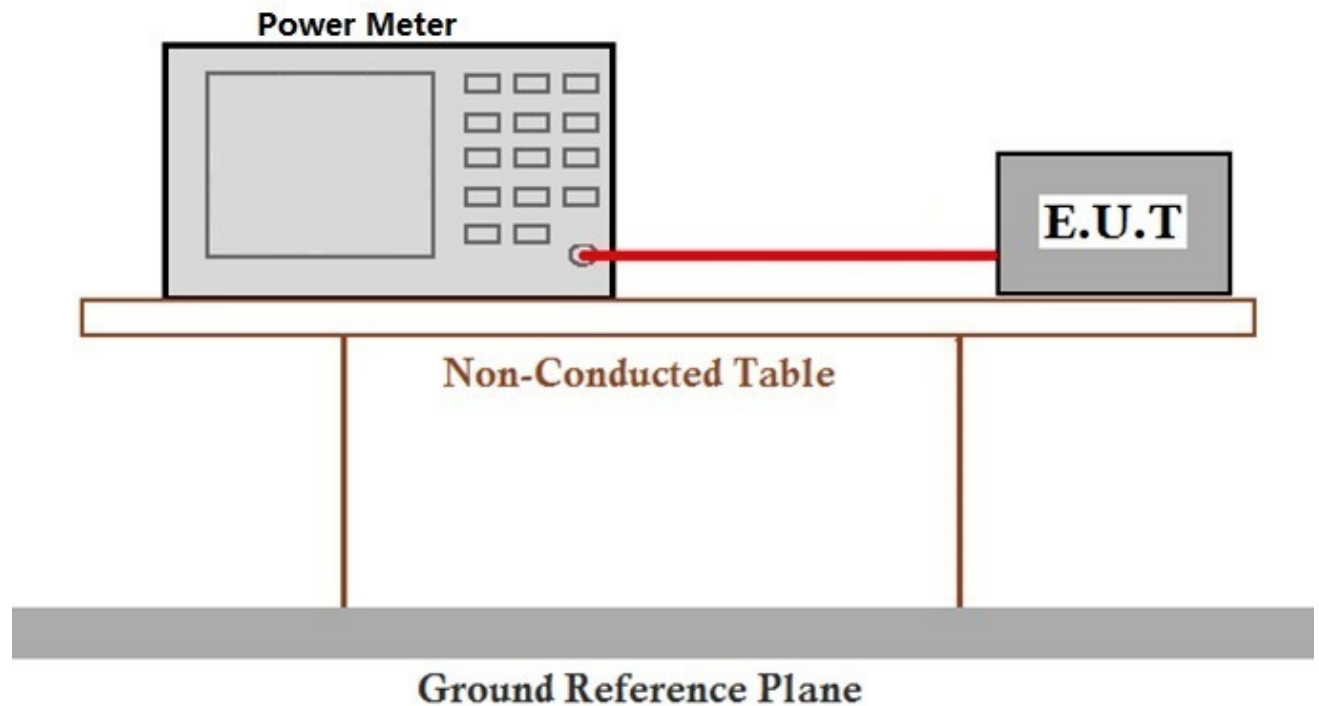
h:TX mode (Band 3)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst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

g:TX mode (Band 2C)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

f:TX mode (Band 2A)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.



### 7.6.2 Test Setup Diagram



### 7.6.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.407



## 7.7 Peak Power spectrum density

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

Test Method: KDB 789033 D02 II F

Limit:

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



### 7.7.1 E.U.T. Operation

Operating Environment:

Temperature: 25 °C Humidity: 55 % RH Atmospheric Pressure: 1005 mbar

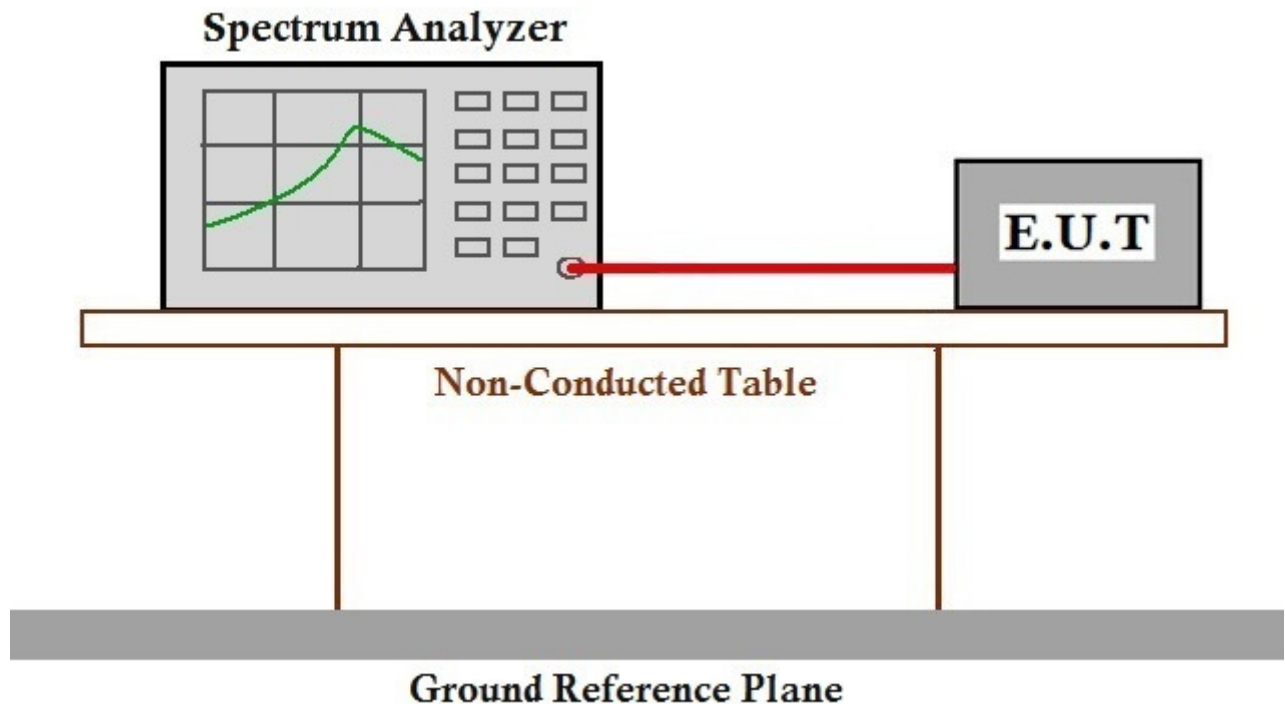
Test mode: e:TX mode (Band 1)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 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.

h: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.

g:TX mode (Band 2C)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

f:TX mode (Band 2A)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

### 7.7.2 Test Setup Diagram



### 7.7.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.407



## **7.8 DFS: Channel Move Time**

Test Requirement	KDB 905462 D02 Section 5.1
Test Method:	KDB 905462 D02 Section 7.8.3
Limit:	10 seconds(should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst)

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

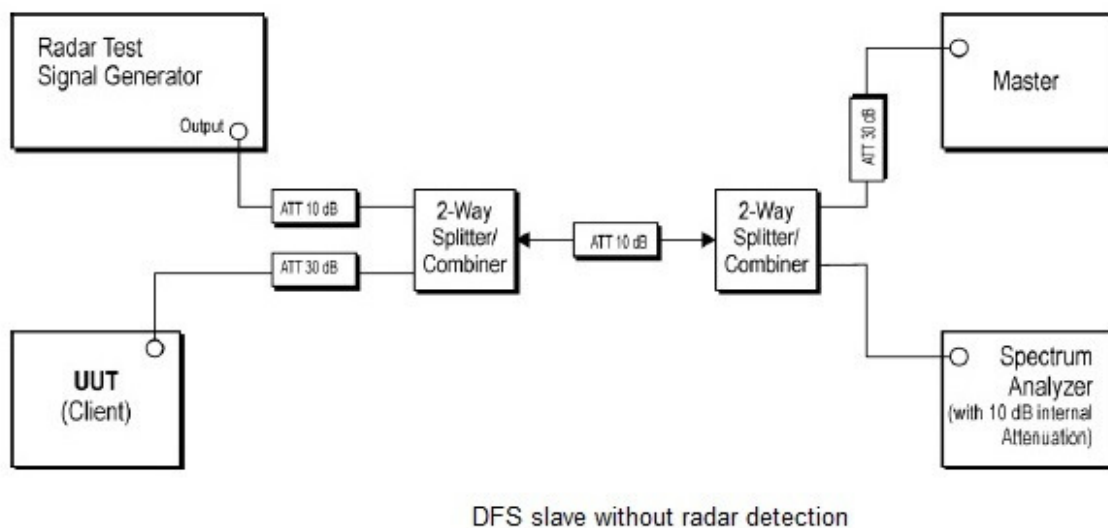
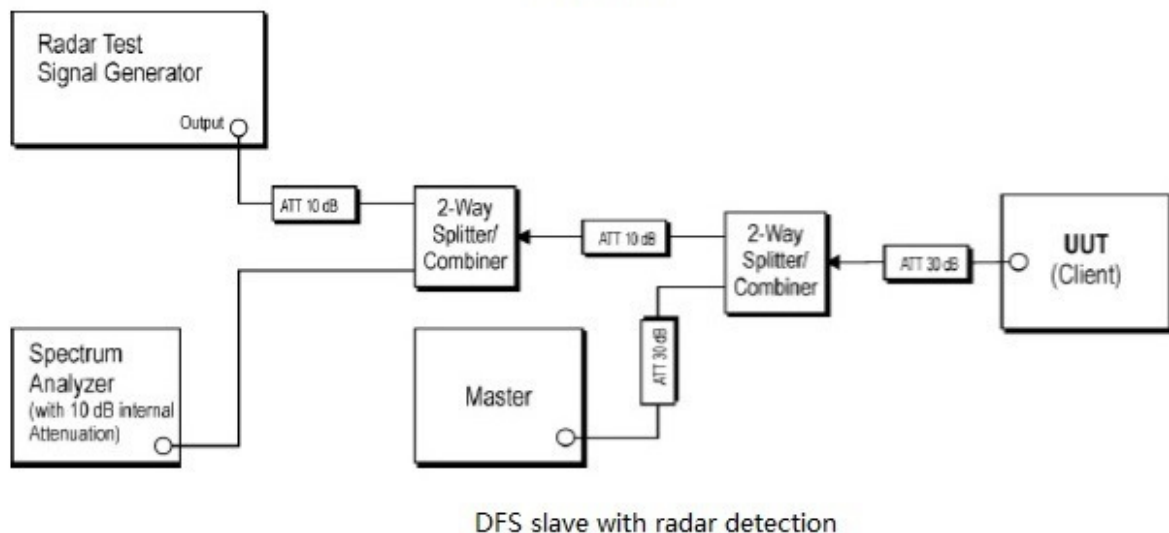
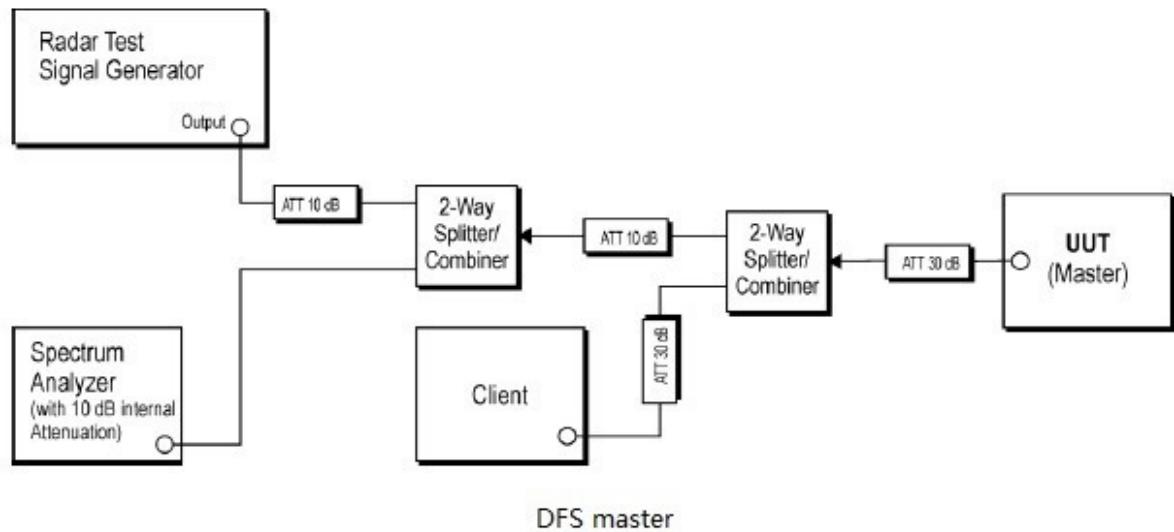
Operating Environment:

Temperature: 25 °C      Humidity: 52 % RH      Atmospheric Pressure: 1000 mbar

Test mode: f:TX mode (Band 2A)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

g:TX mode (Band 2C)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

## 7.8.2 Test Setup Diagram





### **7.8.3 Measurement Procedure and Data**

- 1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.
- 2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.
- 3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.
- 4) EUT will associate with the master at channel. The file "iperf.exe" specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.
- 5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.
- 6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.
- 7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by:  $Dwell (0.3ms) = S (12000ms) / B (4000)$ ; where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by:  $C (ms) = N \times Dwell (0.3ms)$ ; where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.
- 8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

The detailed test data see: Appendix 15.407



## **7.9 DFS: Channel Closing Transmission Time**

Test Requirement KDB 905462 D02 Section 5.1

Test Method: KDB 905462 D02 Section 7.8.3

Limit: 200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period(should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst. It is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required facilitating a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions)

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

Operating Environment:

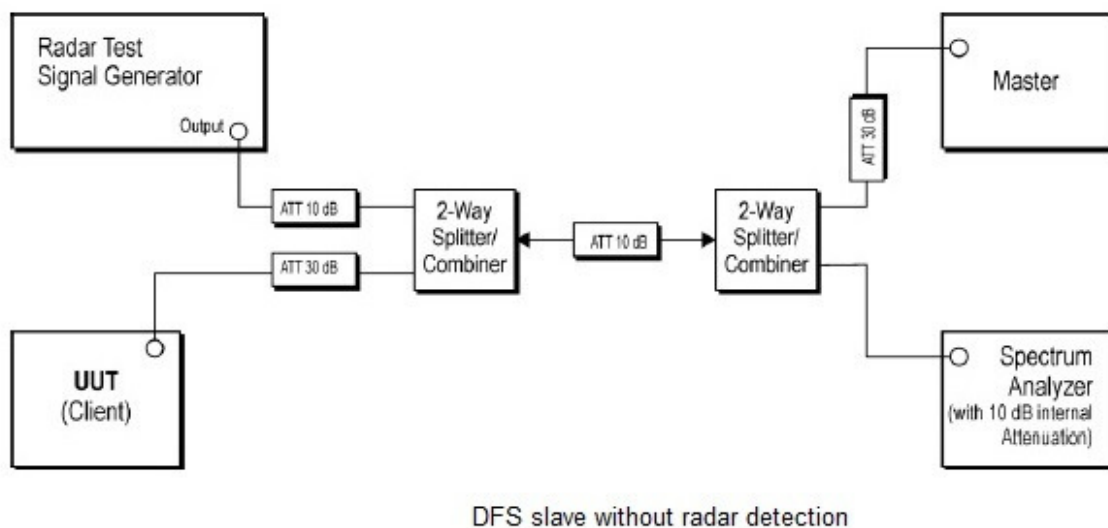
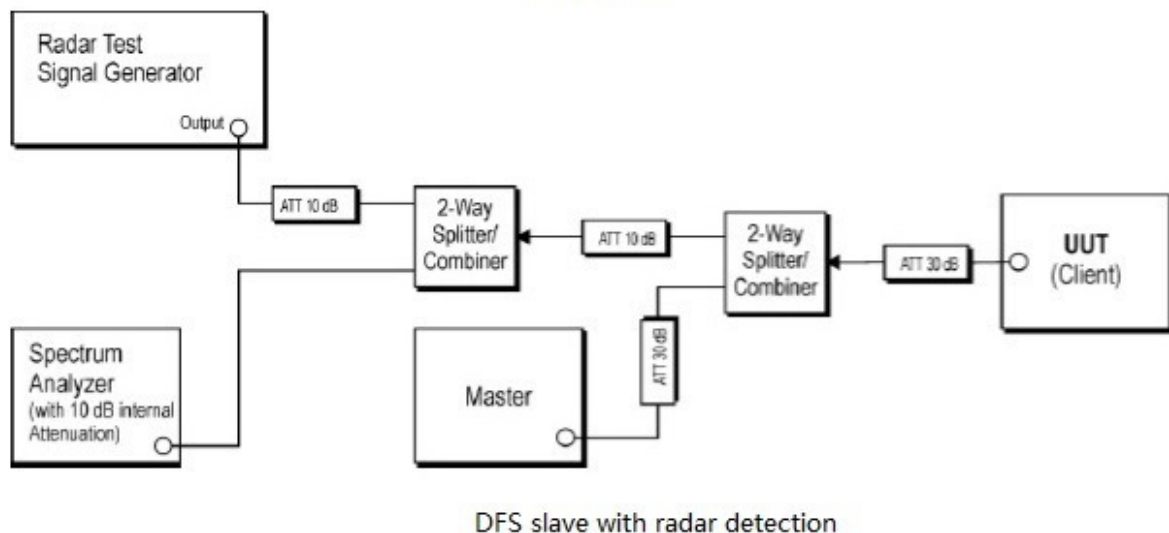
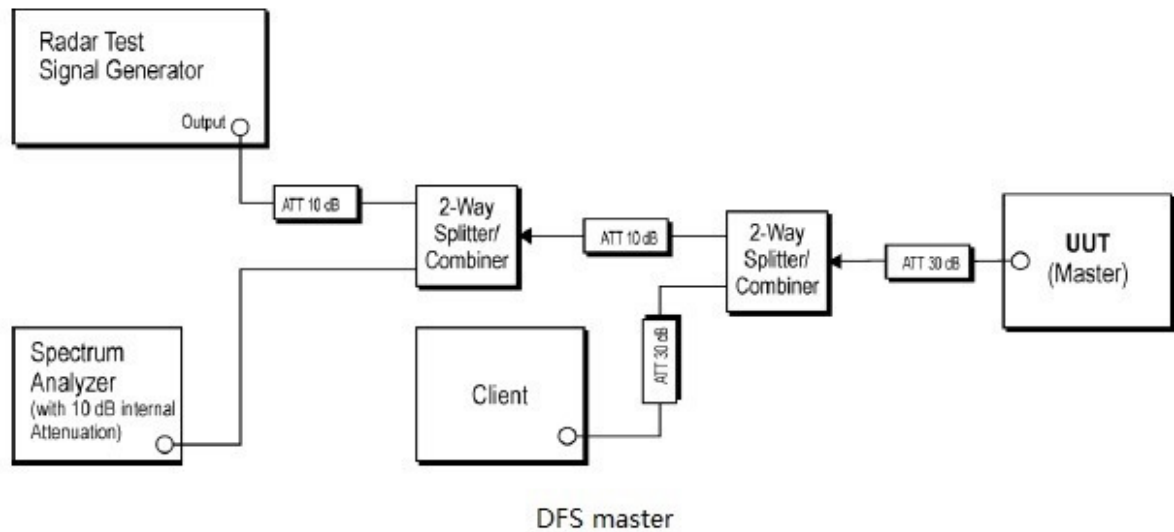
Temperature: 25 °C Humidity: 52 % RH Atmospheric Pressure: 1000 mbar

Test mode: f:TX mode (Band 2A)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

g:TX mode (Band 2C)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.



### 7.9.2 Test Setup Diagram





### **7.9.3 Measurement Procedure and Data**

- 1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.
- 2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.
- 3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.
- 4) EUT will associate with the master at channel. The file "iperf.exe" specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.
- 5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.
- 6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.
- 7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by:  $Dwell (0.3ms) = S (12000ms) / B (4000)$ ; where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by:  $C (ms) = N \times Dwell (0.3ms)$ ; where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.
- 8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

The detailed test data see: Appendix 15.407



## **7.10 Radiated Emissions**

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

Test Method: KDB 789033 D02 II G

Measurement Distance: 3m

### **7.10.1 E.U.T. Operation**

Operating Environment:

Temperature: 23 °C Humidity: 54 % RH Atmospheric Pressure: 1005 mbar

Test mode: e: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.

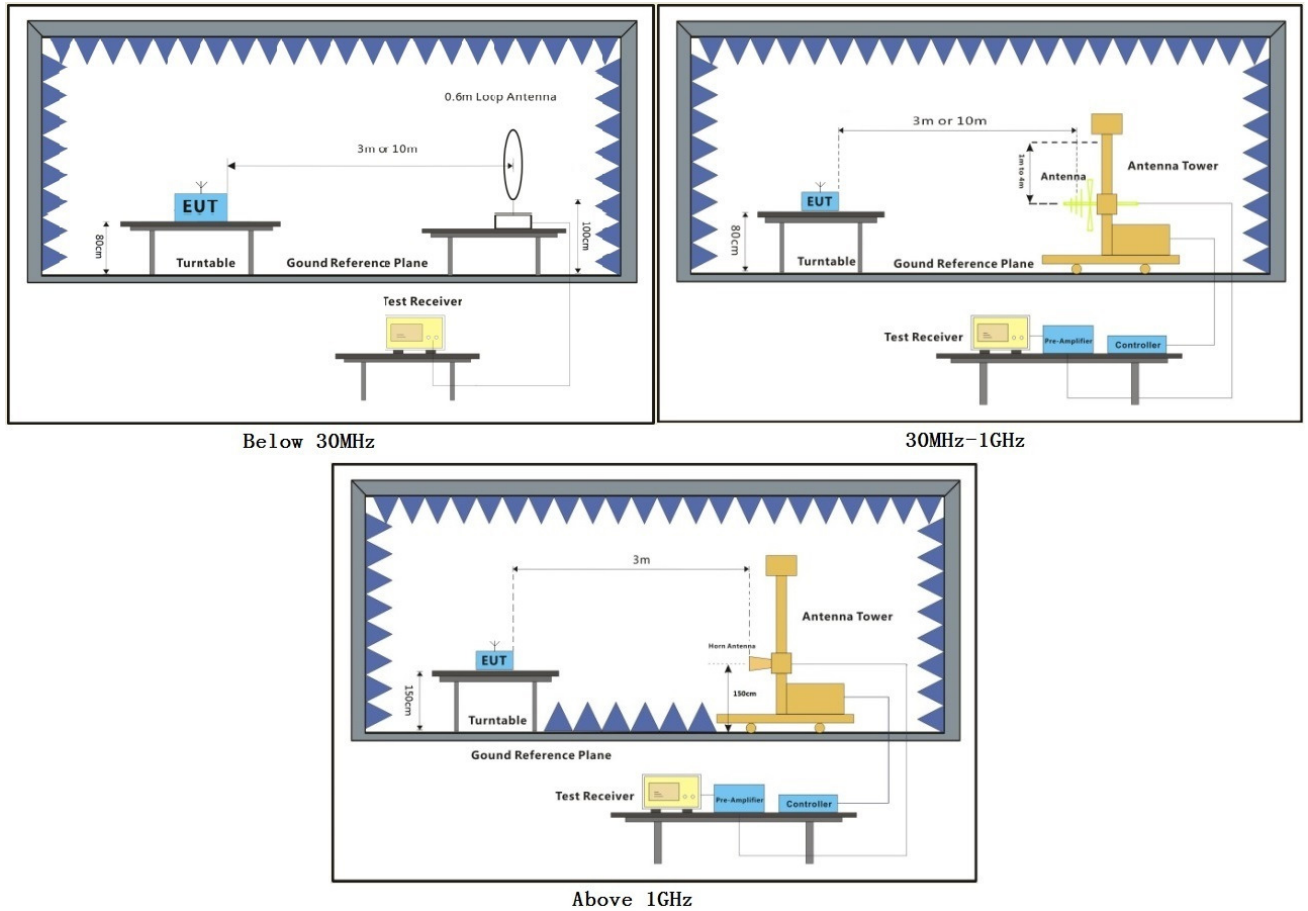
h:TX mode (Band 3)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst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

g:TX mode (Band 2C)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

f:TX mode (Band 2A)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

For below 1GHz, through Pre-scan, find the 1Mbps of rate of 802.11a at lowest channel is the worst case. Only the data of worst case is recorded in the report.

### 7.10.2 Test Setup Diagram





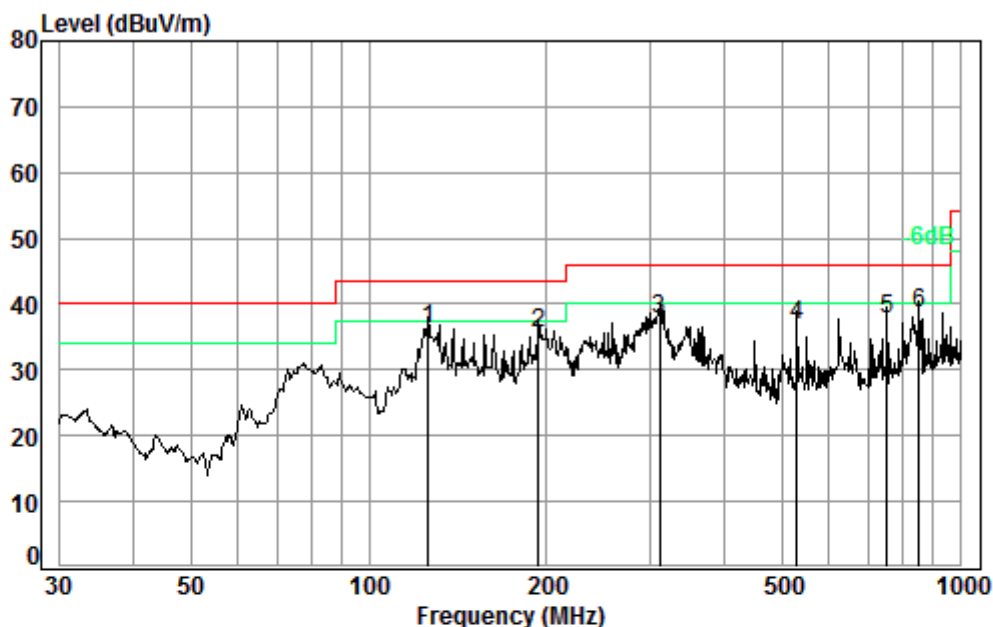
### **7.10.3 Measurement Procedure and Data**

- 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

**Below 1GHz:**

Mode:e; Polarization:Horizontal



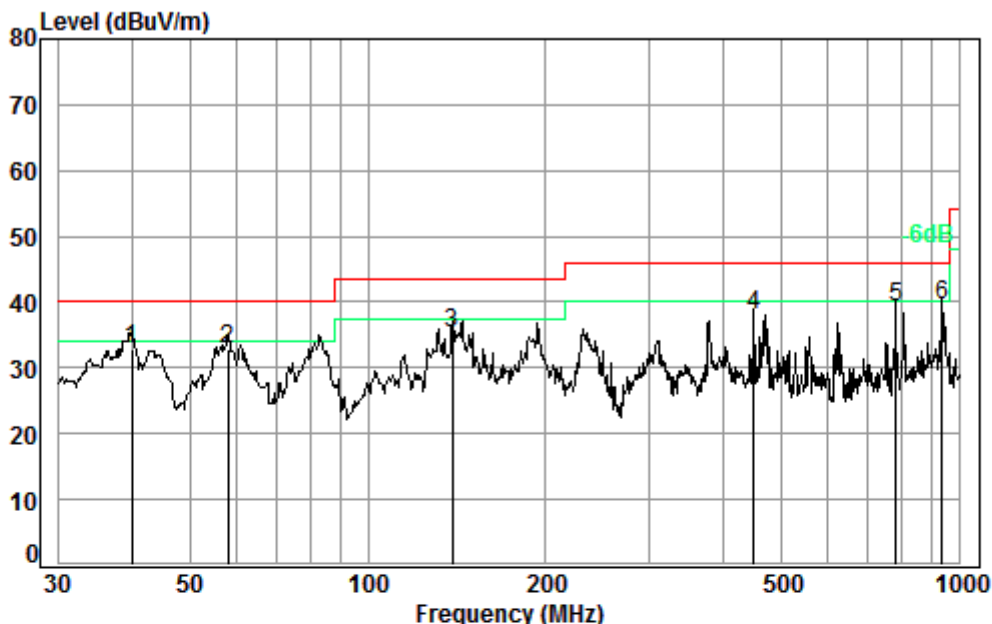
Condition: 3m HORIZONTAL

Job No. : 05891CR

Test Mode: e

		Cable	Ant	Preamp	Read		Limit	Over
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	125.89	1.27	7.78	27.03	54.09	36.11	43.50	-7.39
2	193.77	1.39	10.14	26.72	50.74	35.55	43.50	-7.95
3	310.00	1.93	14.26	26.48	48.05	37.76	46.00	-8.24
4	528.25	2.63	18.55	27.65	43.31	36.84	46.00	-9.16
5	750.11	3.06	21.70	27.35	40.20	37.61	46.00	-8.39
6	851.04	3.41	22.42	27.02	39.70	38.51	46.00	-7.49

Mode:e; Polarization:Vertical



Condition: 3m VERTICAL

Job No. : 05891CR

Test Mode: e

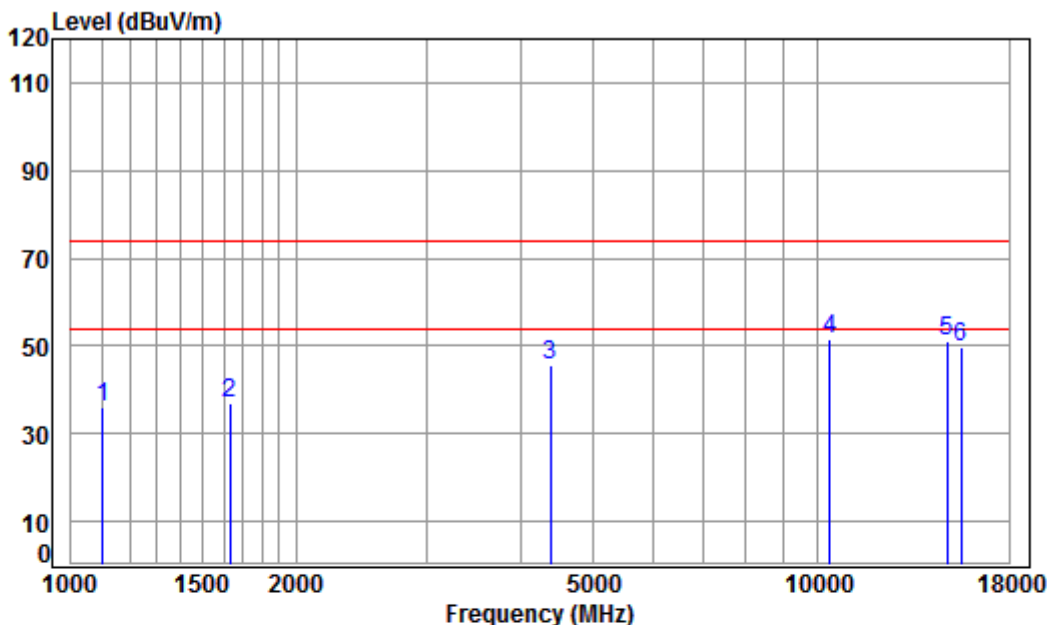
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	39.99	0.60	13.10	27.32	46.33	32.71	40.00	-7.29
2	58.00	0.80	7.50	27.27	51.93	32.96	40.00	-7.04
3	138.87	1.29	8.05	26.96	52.78	35.16	43.50	-8.34
4	449.56	2.41	16.89	27.44	46.22	38.08	46.00	-7.92
5	779.61	3.14	22.02	27.32	41.38	39.22	46.00	-6.78
6 pp	935.55	3.64	23.30	26.61	39.36	39.69	46.00	-6.31





**Above 1GHz:**

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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

Mode: : 5180 TX RSE

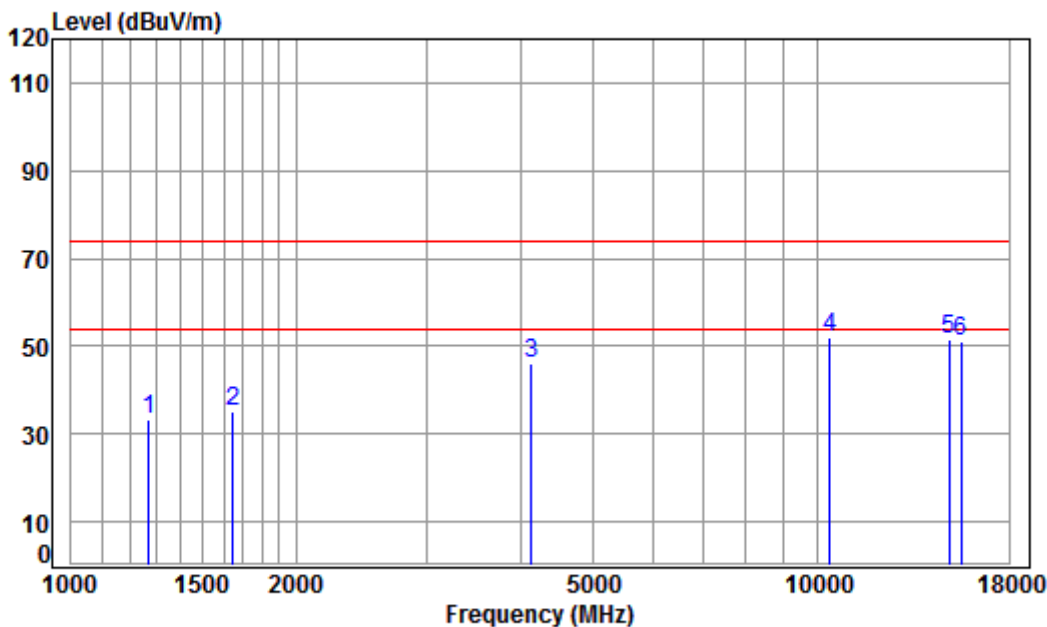
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	46.03	35.85	74.00	-38.15	peak
2	1629.825	4.63	26.38	38.04	43.82	36.79	74.00	-37.21	peak
3	4379.699	7.15	33.60	38.19	43.15	45.71	74.00	-28.29	peak
4	pp10360.000	11.74	37.24	35.08	37.71	51.61	74.00	-22.39	peak
5	14873.890	14.82	41.08	38.91	33.93	50.92	74.00	-23.08	peak
6	15540.000	15.28	41.38	38.31	31.54	49.89	74.00	-24.11	peak





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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

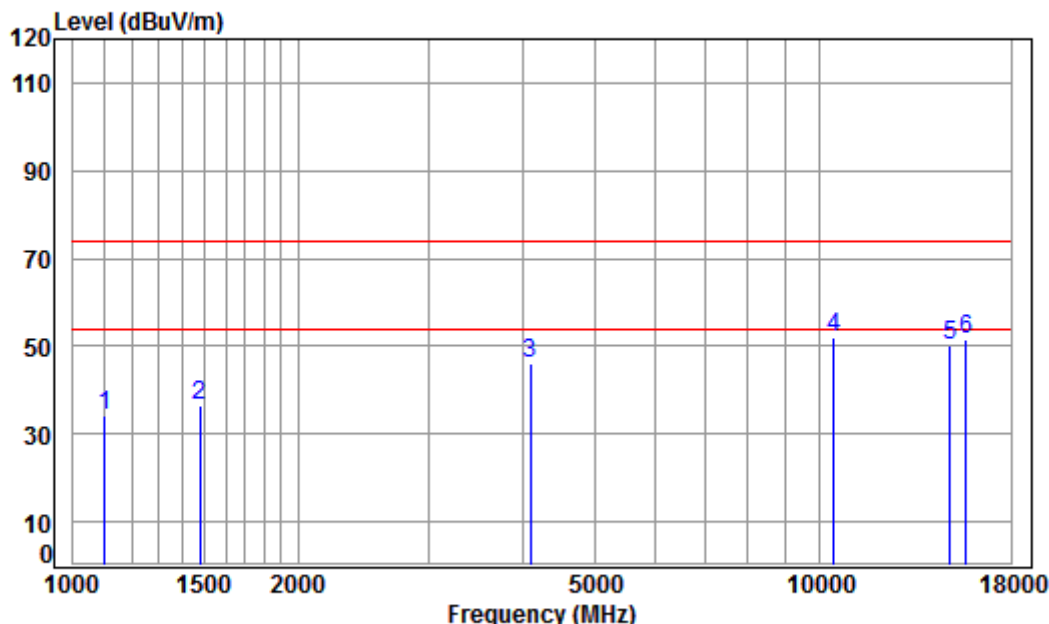
Mode: : 5180 TX RSE

: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1271.123	4.18	24.82	38.07	42.47	33.40	74.00	-40.60	peak
2	1648.778	4.65	26.46	38.04	41.99	35.06	74.00	-38.94	peak
3	4133.699	6.86	33.60	38.07	43.83	46.22	74.00	-27.78	peak
4	pp10360.000	11.74	37.24	35.08	38.25	52.15	74.00	-21.85	peak
5	14960.120	14.84	41.23	38.90	34.34	51.51	74.00	-22.49	peak
6	15540.000	15.28	41.38	38.31	32.58	50.93	74.00	-23.07	peak



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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

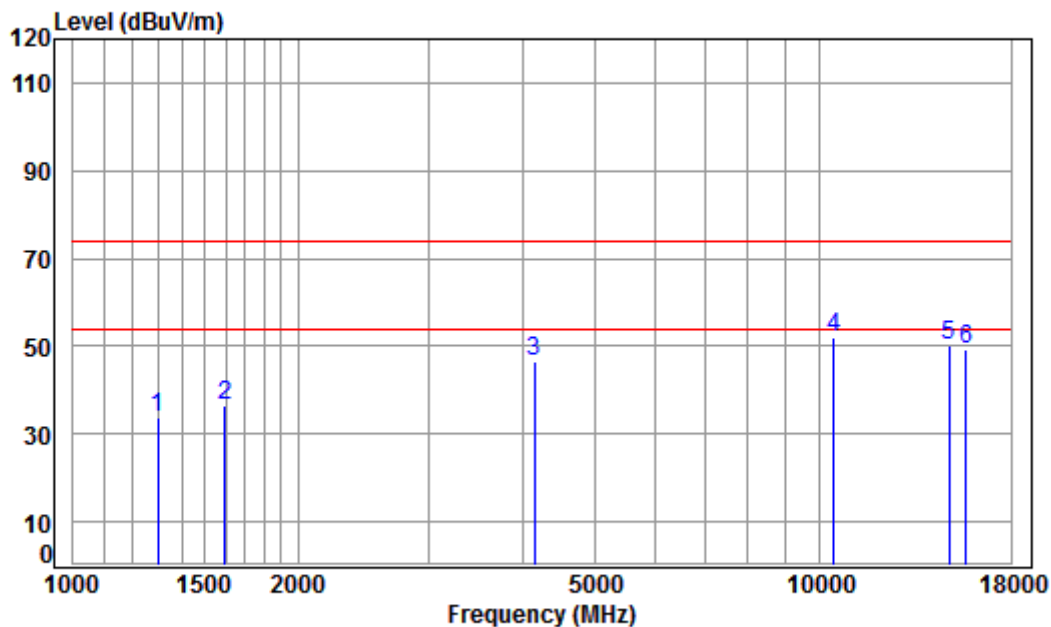
Mode: : 5220 TX RSE

: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	44.34	34.16	74.00	-39.84	peak
2	1477.276	4.44	25.71	38.05	44.46	36.56	74.00	-37.44	peak
3	4098.010	6.82	33.60	38.05	43.87	46.24	74.00	-27.76	peak
4	10440.000	11.81	37.16	35.12	37.98	51.83	74.00	-22.17	peak
5	14916.940	14.83	41.15	38.91	33.14	50.21	74.00	-23.79	peak
6	15660.000	15.38	41.34	38.17	32.89	51.44	74.00	-22.56	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

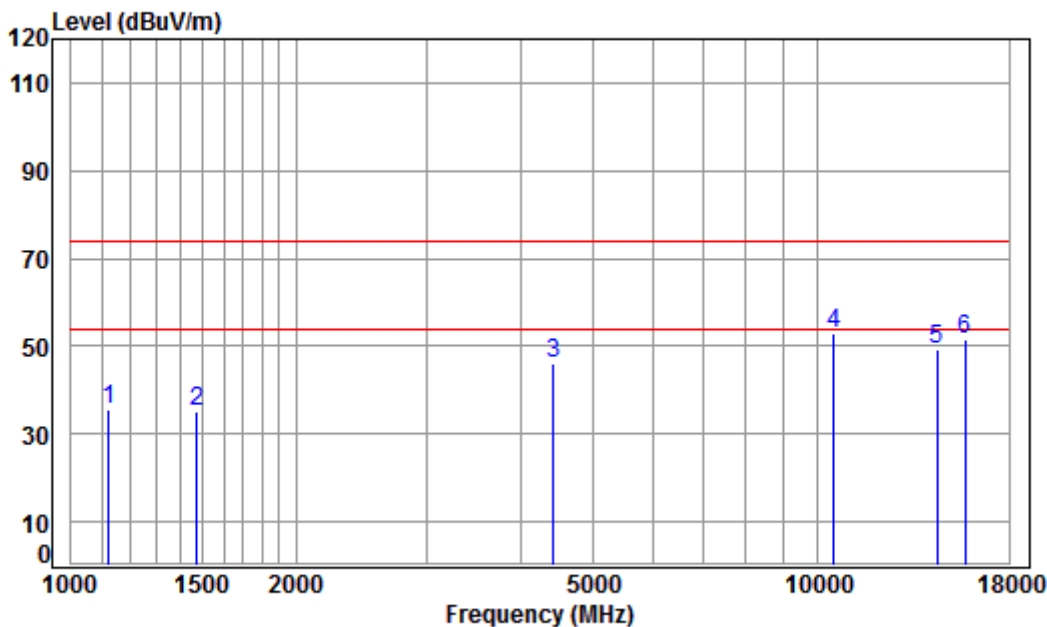
Mode: : 5220 TX RSE

: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.22	24.96	38.07	42.59	33.70	74.00	-40.30	peak
2	1597.181	4.59	26.24	38.04	43.55	36.34	74.00	-37.66	peak
3	4145.664	6.88	33.60	38.07	44.07	46.48	74.00	-27.52	peak
4	10440.000	11.81	37.16	35.12	38.08	51.93	74.00	-22.07	peak
5	14873.890	14.82	41.08	38.91	33.14	50.13	74.00	-23.87	peak
6	15660.000	15.38	41.34	38.17	30.56	49.11	74.00	-24.89	peak



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

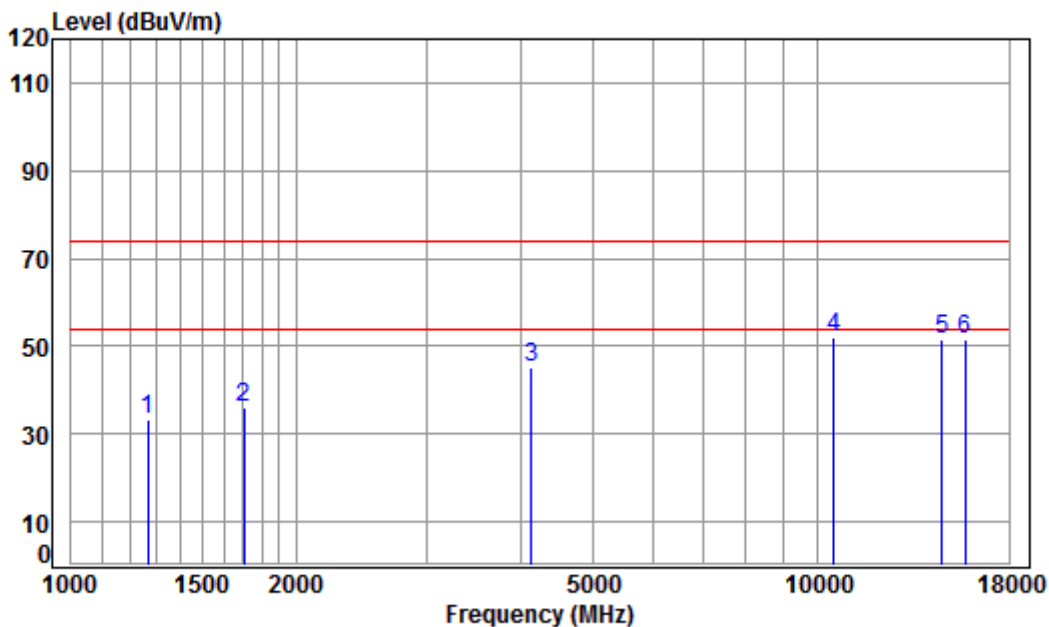


Condition: 3m HORIZONTAL  
Job No: : 05891CR\05892CR  
Mode: : 5240 TX RSE  
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1122.563	3.96	24.08	38.09	45.51	35.46	74.00	-38.54	peak
2	1473.013	4.44	25.69	38.05	43.16	35.24	74.00	-38.76	peak
3	4417.841	7.19	33.60	38.21	43.43	46.01	74.00	-27.99	peak
4	pp10480.000	11.84	37.12	35.14	38.93	52.75	74.00	-21.25	peak
5	14408.430	14.70	40.18	38.96	33.36	49.28	74.00	-24.72	peak
6	15720.000	15.42	41.31	38.11	32.86	51.48	74.00	-22.52	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

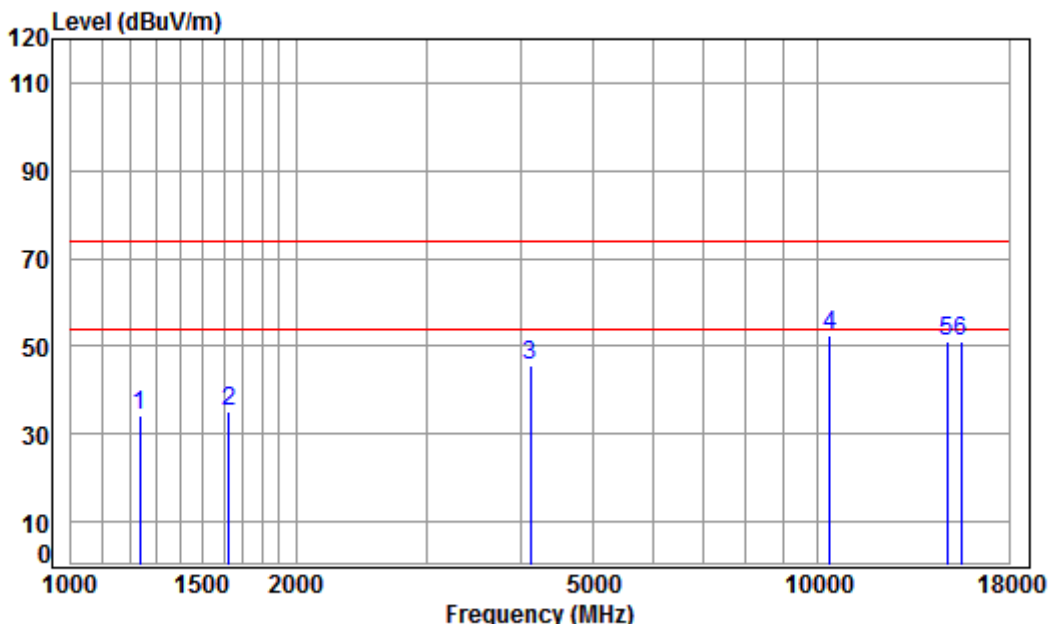
Mode: : 5240 TX RSE

: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1267.454	4.18	24.80	38.07	42.51	33.42	74.00	-40.58	peak
2	1702.042	4.71	26.68	38.03	42.86	36.22	74.00	-37.78	peak
3	4133.699	6.86	33.60	38.07	42.93	45.32	74.00	-28.68	peak
4	pp10480.000	11.84	37.12	35.14	38.29	52.11	74.00	-21.89	peak
5	14660.480	14.76	40.69	38.93	34.96	51.48	74.00	-22.52	peak
6	15720.000	15.42	41.31	38.11	32.82	51.44	74.00	-22.56	peak



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

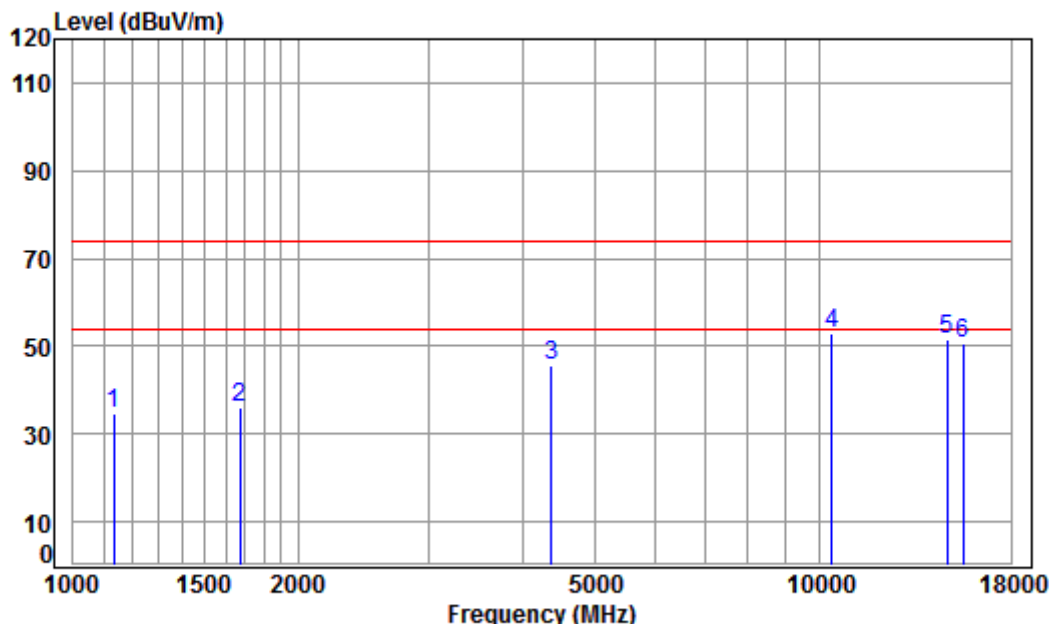


Condition: 3m HORIZONTAL  
Job No: : 05891CR\05892CR  
Mode: : 5180 TX RSE  
: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1234.909	4.13	24.65	38.08	43.60	34.30	74.00	-39.70	peak
2	1625.121	4.62	26.36	38.04	42.40	35.34	74.00	-38.66	peak
3	4121.768	6.85	33.60	38.06	43.21	45.60	74.00	-28.40	peak
4	pp10360.000	11.74	37.24	35.08	38.52	52.42	74.00	-21.58	peak
5	14873.890	14.82	41.08	38.91	34.10	51.09	74.00	-22.91	peak
6	15540.000	15.28	41.38	38.31	32.56	50.91	74.00	-23.09	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

Mode: : 5180 TX RSE

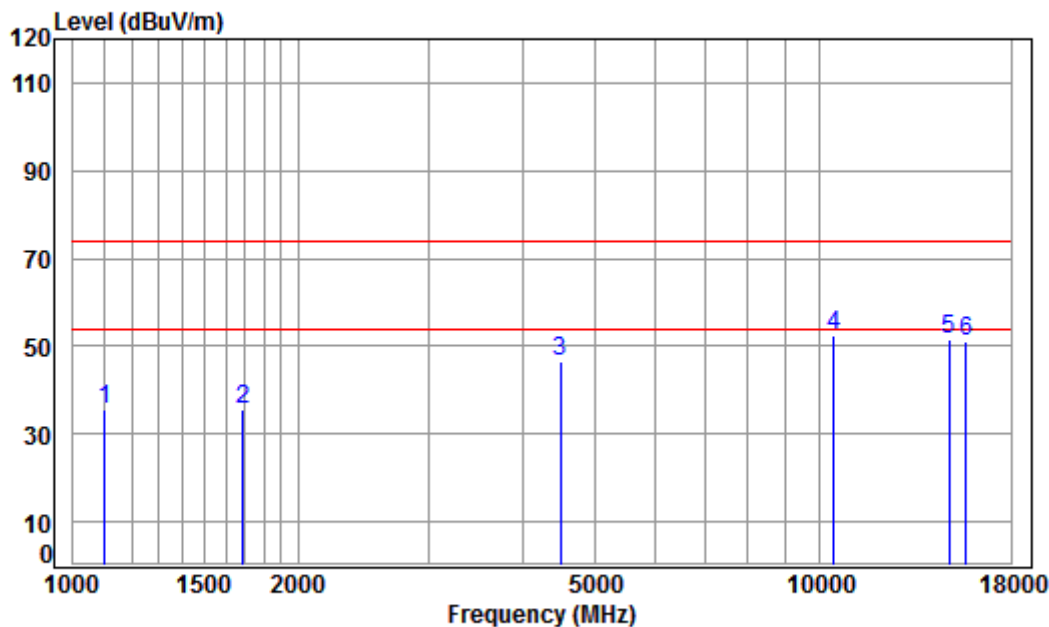
: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1135.617	3.98	24.15	38.09	44.60	34.64	74.00	-39.36	peak
2	1672.779	4.67	26.56	38.03	42.98	36.18	74.00	-37.82	peak
3	4367.058	7.13	33.60	38.18	43.23	45.78	74.00	-28.22	peak
4	pp10360.000	11.74	37.24	35.08	39.11	53.01	74.00	-20.99	peak
5	14788.150	14.80	40.92	38.92	34.55	51.35	74.00	-22.65	peak
6	15540.000	15.28	41.38	38.31	32.32	50.67	74.00	-23.33	peak





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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

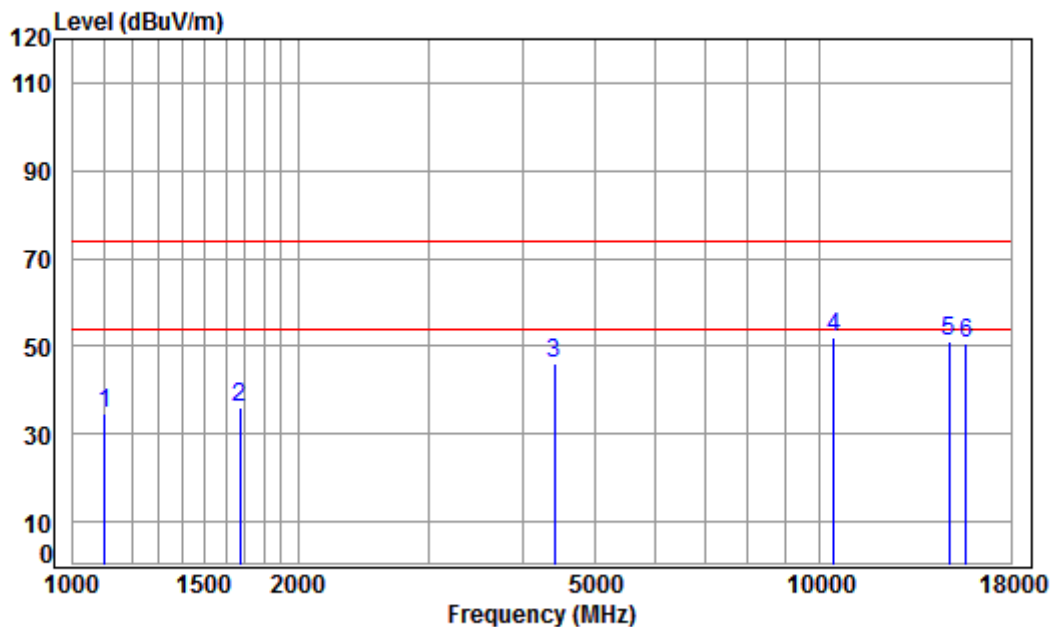
Mode: : 5220 TX RSE

: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	45.57	35.39	74.00	-38.61	peak
2	1687.347	4.69	26.62	38.03	42.14	35.42	74.00	-38.58	peak
3	4495.125	7.27	33.60	38.25	43.71	46.33	74.00	-27.67	peak
4	10440.000	11.81	37.16	35.12	38.53	52.38	74.00	-21.62	peak
5	14873.890	14.82	41.08	38.91	34.63	51.62	74.00	-22.38	peak
6	15660.000	15.38	41.34	38.17	32.35	50.90	74.00	-23.10	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

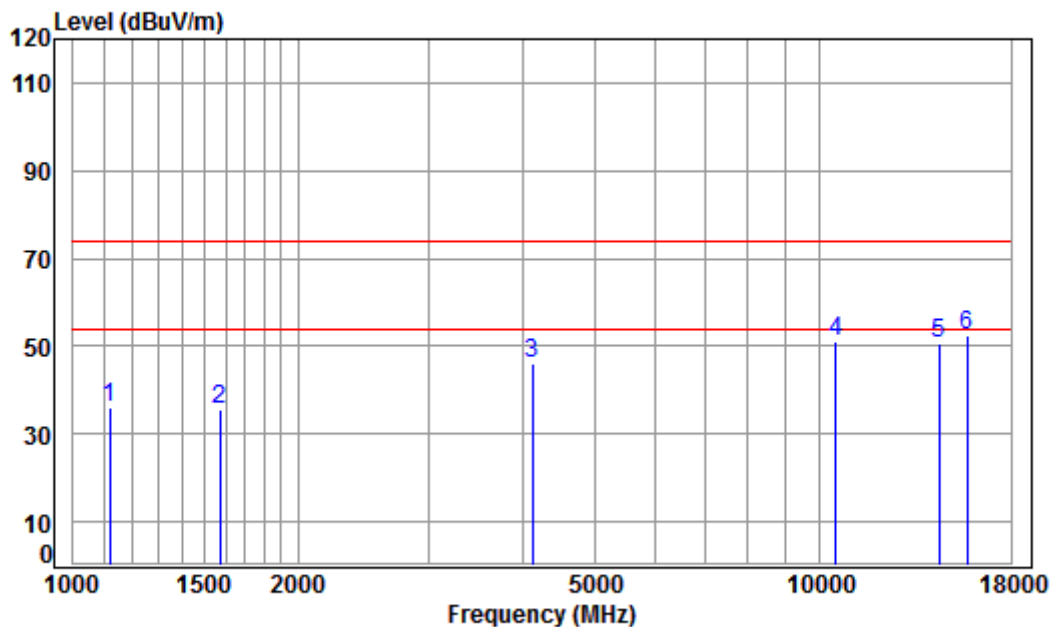
Mode: : 5220 TX RSE

: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	44.76	34.58	74.00	-39.42	peak
2	1672.779	4.67	26.56	38.03	42.77	35.97	74.00	-38.03	peak
3	4405.090	7.18	33.60	38.20	43.69	46.27	74.00	-27.73	peak
4	10440.000	11.81	37.16	35.12	38.02	51.87	74.00	-22.13	peak
5	14873.890	14.82	41.08	38.91	34.04	51.03	74.00	-22.97	peak
6	15660.000	15.38	41.34	38.17	32.27	50.82	74.00	-23.18	peak



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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

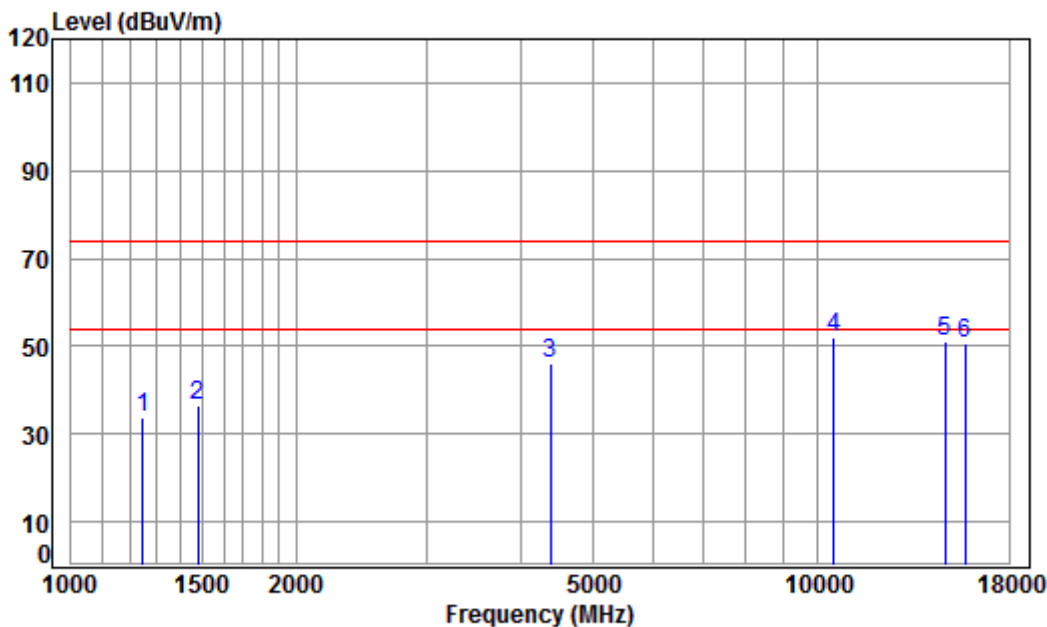
Mode: : 5240 TX RSE

: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1119.323	3.96	24.07	38.09	45.91	35.85	74.00	-38.15	peak
2	1574.265	4.56	26.14	38.04	42.93	35.59	74.00	-38.41	peak
3	4121.768	6.85	33.60	38.06	43.66	46.05	74.00	-27.95	peak
4	10480.000	11.84	37.12	35.14	37.46	51.28	74.00	-22.72	peak
5	14408.430	14.70	40.18	38.96	34.58	50.50	74.00	-23.50	peak
6	15720.000	15.42	41.31	38.11	34.05	52.67	74.00	-21.33	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

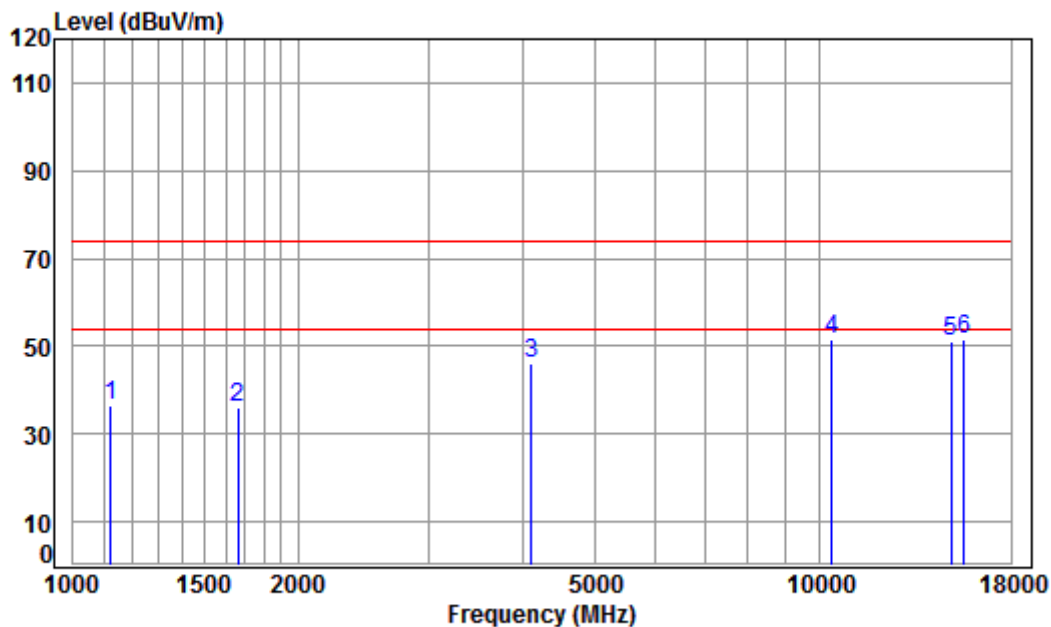
Mode: : 5240 TX RSE

: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1249.269	4.15	24.72	38.08	42.92	33.71	74.00	-40.29	peak
2	1477.276	4.44	25.71	38.05	44.30	36.40	74.00	-37.60	peak
3	4379.699	7.15	33.60	38.19	43.52	46.08	74.00	-27.92	peak
4	pp10480.000	11.84	37.12	35.14	38.16	51.98	74.00	-22.02	peak
5	14788.150	14.80	40.92	38.92	34.47	51.27	74.00	-22.73	peak
6	15720.000	15.42	41.31	38.11	32.25	50.87	74.00	-23.13	peak



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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

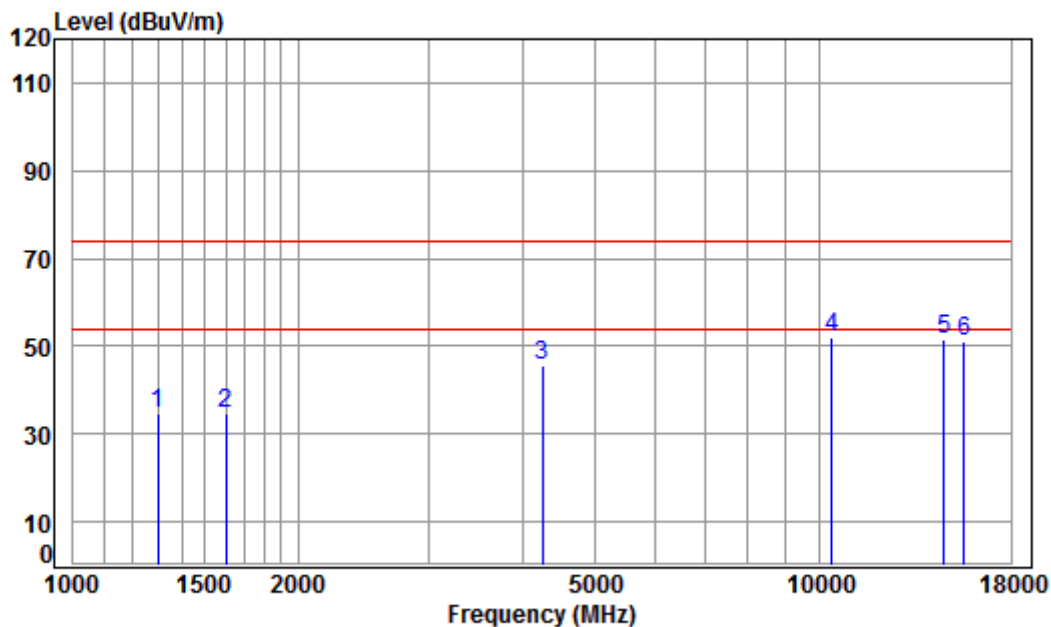
Mode: : 5190 TX RSE

: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1122.563	3.96	24.08	38.09	46.58	36.53	74.00	-37.47	peak
2	1663.137	4.66	26.52	38.03	42.96	36.11	74.00	-37.89	peak
3	4109.872	6.83	33.60	38.05	43.76	46.14	74.00	-27.86	peak
4	10380.000	11.76	37.22	35.09	37.87	51.76	74.00	-22.24	peak
5	14960.120	14.84	41.23	38.90	33.80	50.97	74.00	-23.03	peak
6	pp15570.000	15.31	41.37	38.27	33.37	51.78	74.00	-22.22	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

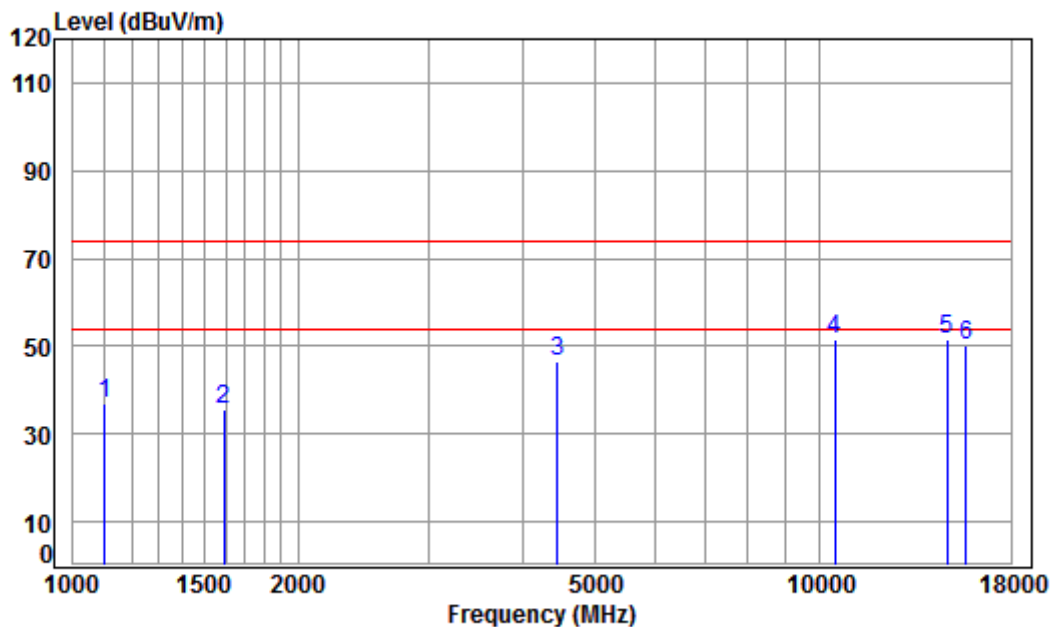
Mode: : 5190 TX RSE

: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.22	24.96	38.07	43.46	34.57	74.00	-39.43	peak
2	1601.804	4.59	26.26	38.04	42.05	34.86	74.00	-39.14	peak
3	4254.921	7.00	33.60	38.13	43.21	45.68	74.00	-28.32	peak
4	10380.000	11.76	37.22	35.09	38.16	52.05	74.00	-21.95	peak
5	14660.480	14.76	40.69	38.93	35.11	51.63	74.00	-22.37	peak
6	15570.000	15.31	41.37	38.27	32.56	50.97	74.00	-23.03	peak



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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

Mode: : 5230 TX RSE

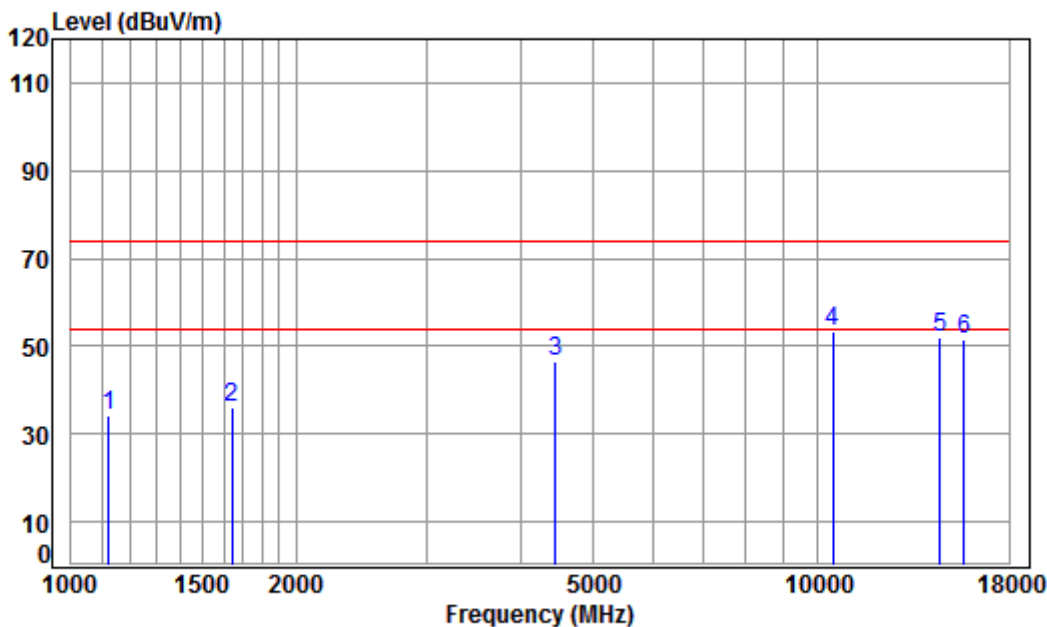
: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	47.36	37.18	74.00	-36.82	peak
2	1592.571	4.58	26.22	38.04	42.69	35.45	74.00	-38.55	peak
3	4456.315	7.23	33.60	38.23	43.75	46.35	74.00	-27.65	peak
4	10460.000	11.83	37.14	35.13	37.75	51.59	74.00	-22.41	peak
5	pp14788.150	14.80	40.92	38.92	34.84	51.64	74.00	-22.36	peak
6	15690.000	15.40	41.32	38.14	31.82	50.40	74.00	-23.60	peak





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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

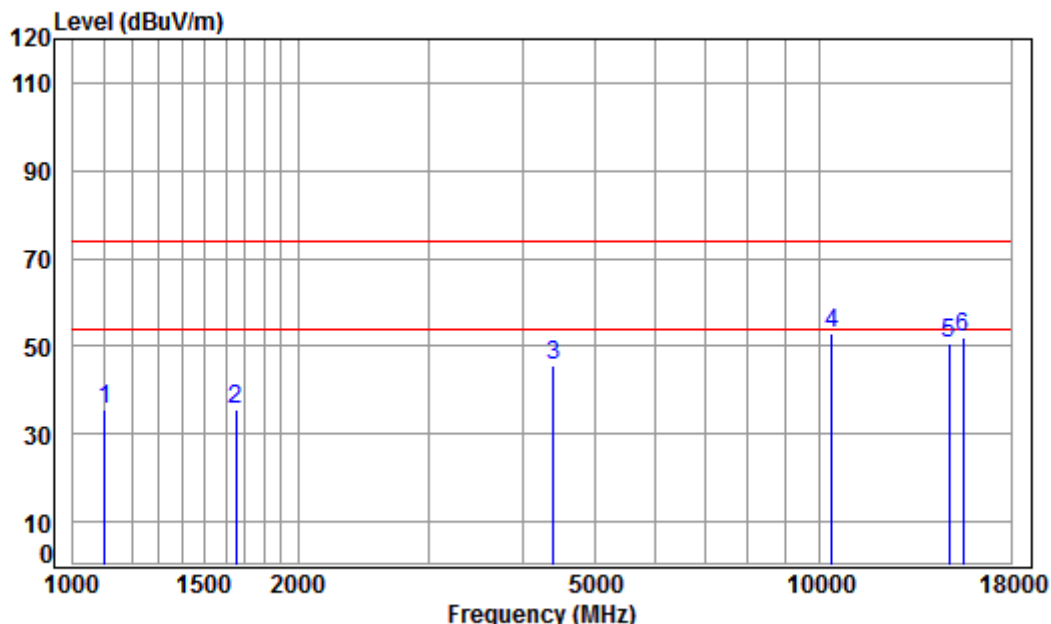
Mode: : 5230 TX RSE

: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1122.563	3.96	24.08	38.09	44.28	34.23	74.00	-39.77	peak
2	1644.019	4.64	26.44	38.04	43.12	36.16	74.00	-37.84	peak
3	4456.315	7.23	33.60	38.23	43.75	46.35	74.00	-27.65	peak
4	pp10460.000	11.83	37.14	35.13	39.46	53.30	74.00	-20.70	peak
5	14575.970	14.74	40.54	38.94	35.71	52.05	74.00	-21.95	peak
6	15690.000	15.40	41.32	38.14	32.96	51.54	74.00	-22.46	peak



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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

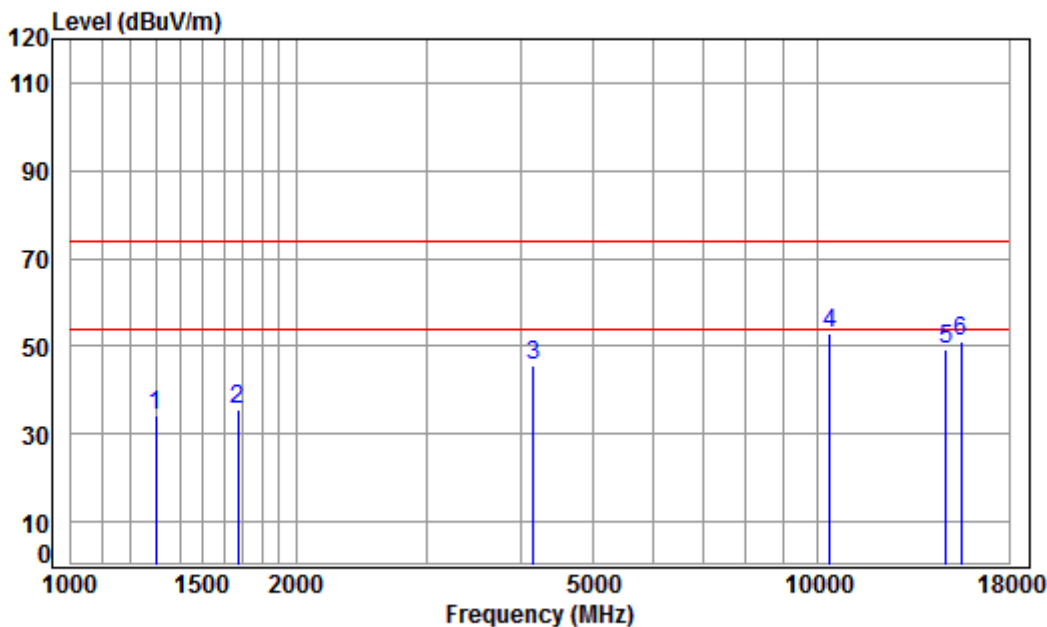
Mode: : 5180 TX RSE

: 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	45.88	35.70	74.00	-38.30	peak
2	1653.550	4.65	26.48	38.03	42.50	35.60	74.00	-38.40	peak
3	4392.376	7.16	33.60	38.20	43.23	45.79	74.00	-28.21	peak
4	pp10360.000	11.74	37.24	35.08	38.92	52.82	74.00	-21.18	peak
5	14873.890	14.82	41.08	38.91	33.80	50.79	74.00	-23.21	peak
6	15540.000	15.28	41.38	38.31	33.73	52.08	74.00	-21.92	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

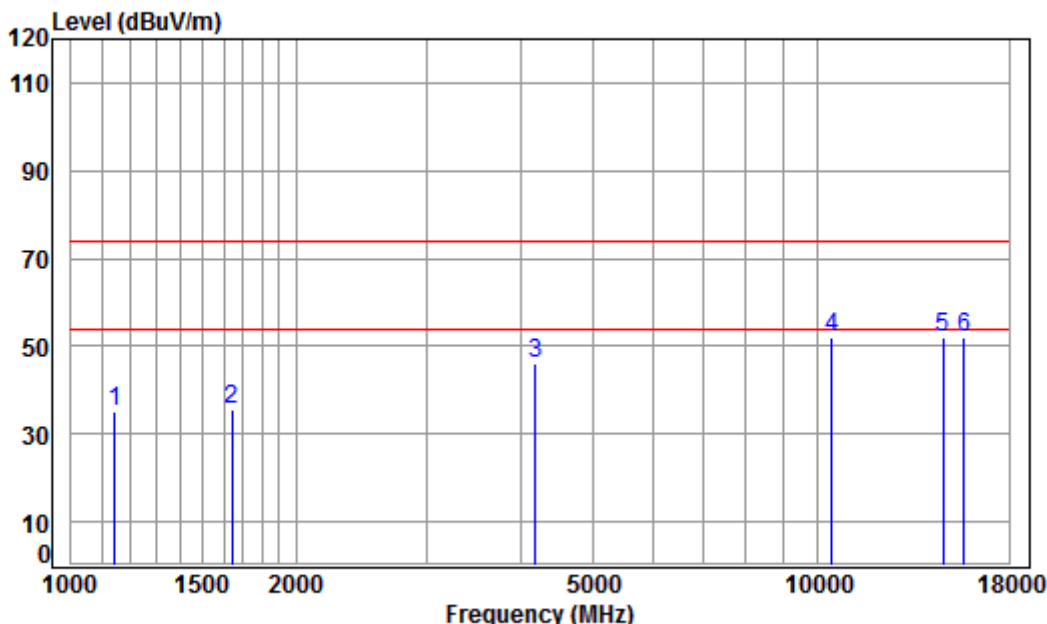
Mode: : 5180 TX RSE

: 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.22	24.96	38.07	43.17	34.28	74.00	-39.72	peak
2	1672.779	4.67	26.56	38.03	42.50	35.70	74.00	-38.30	peak
3	4157.664	6.89	33.60	38.08	43.25	45.66	74.00	-28.34	peak
4	pp10360.000	11.74	37.24	35.08	38.86	52.76	74.00	-21.24	peak
5	14830.960	14.81	41.00	38.92	32.47	49.36	74.00	-24.64	peak
6	15540.000	15.28	41.38	38.31	32.83	51.18	74.00	-22.82	peak



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

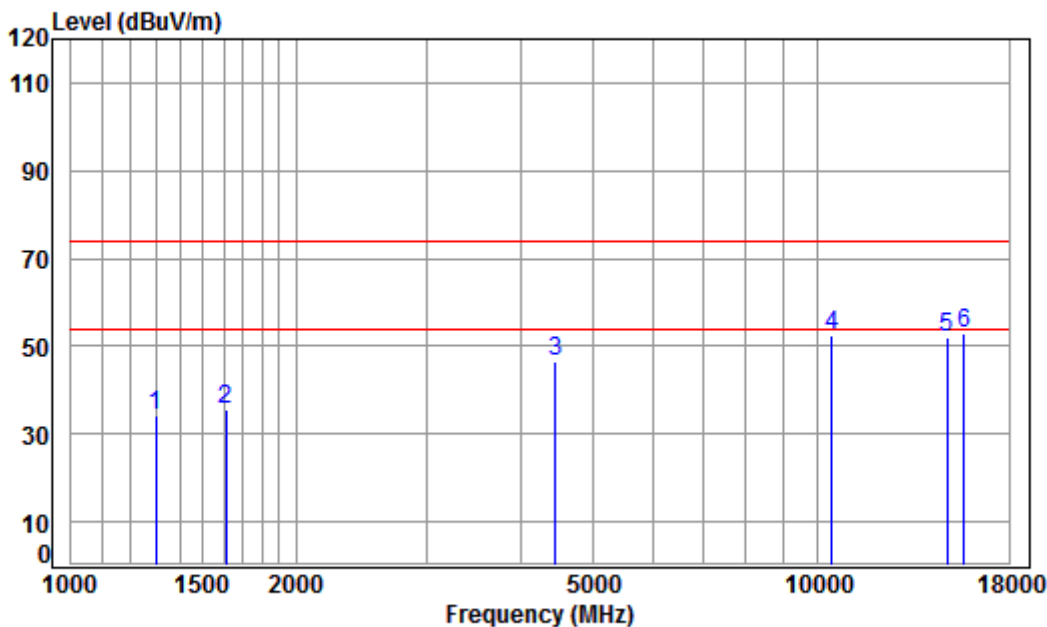


Condition: 3m HORIZONTAL  
Job No: : 05891CR\05892CR  
Mode: : 5220 TX RSE  
: 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1145.507	4.00	24.20	38.09	44.90	35.01	74.00	-38.99	peak
2	1644.019	4.64	26.44	38.04	42.36	35.40	74.00	-38.60	peak
3	4181.768	6.92	33.60	38.09	43.60	46.03	74.00	-27.97	peak
4	pp10440.000	11.81	37.16	35.12	38.36	52.21	74.00	-21.79	peak
5	14702.910	14.77	40.77	38.93	35.60	52.21	74.00	-21.79	peak
6	15660.000	15.38	41.34	38.17	33.31	51.86	74.00	-22.14	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

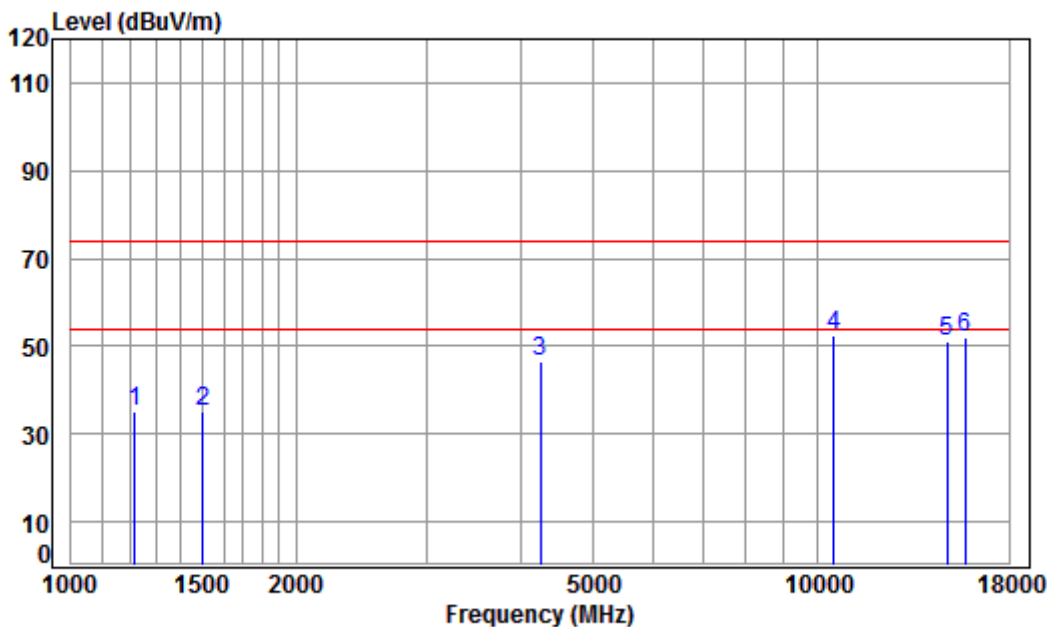
Mode: : 5220 TX RSE

: 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.22	24.96	38.07	43.16	34.27	74.00	-39.73	peak
2	1611.091	4.60	26.30	38.04	42.69	35.55	74.00	-38.45	peak
3	4456.315	7.23	33.60	38.23	43.87	46.47	74.00	-27.53	peak
4	10440.000	11.81	37.16	35.12	38.69	52.54	74.00	-21.46	peak
5	14873.890	14.82	41.08	38.91	35.09	52.08	74.00	-21.92	peak
6	15660.000	15.38	41.34	38.17	34.15	52.70	74.00	-21.30	peak



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

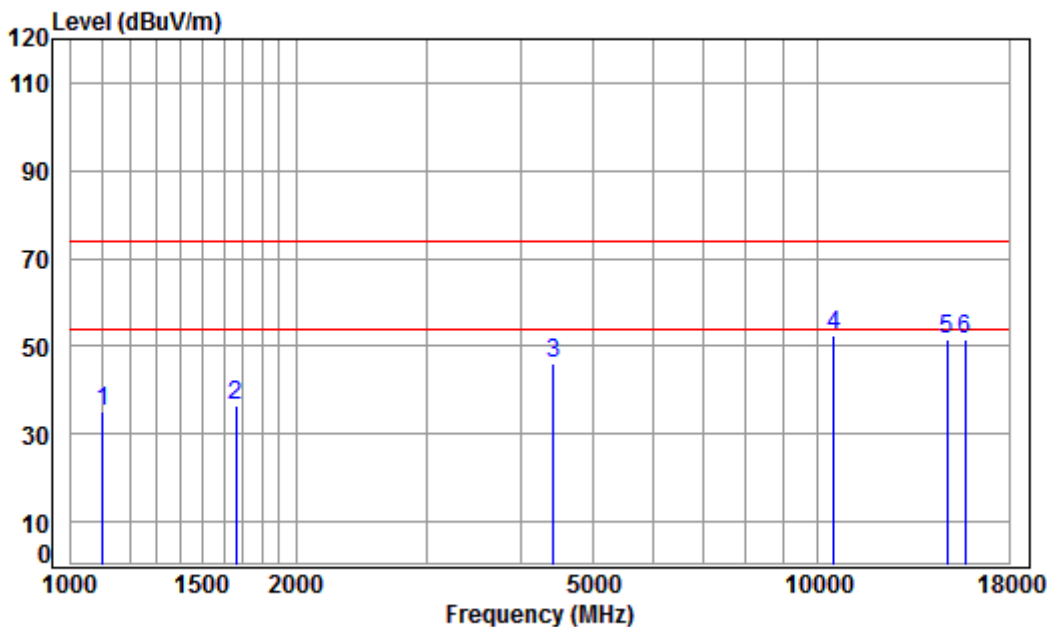


Condition: 3m HORIZONTAL  
Job No: : 05891CR\05892CR  
Mode: : 5240 TX RSE  
: 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1217.190	4.10	24.56	38.08	44.64	35.22	74.00	-38.78	peak
2	1503.119	4.47	25.81	38.05	42.87	35.10	74.00	-38.90	peak
3	4254.921	7.00	33.60	38.13	44.16	46.63	74.00	-27.37	peak
4	pp10480.000	11.84	37.12	35.14	38.80	52.62	74.00	-21.38	peak
5	14873.890	14.82	41.08	38.91	34.19	51.18	74.00	-22.82	peak
6	15720.000	15.42	41.31	38.11	33.48	52.10	74.00	-21.90	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

Mode: : 5240 TX RSE

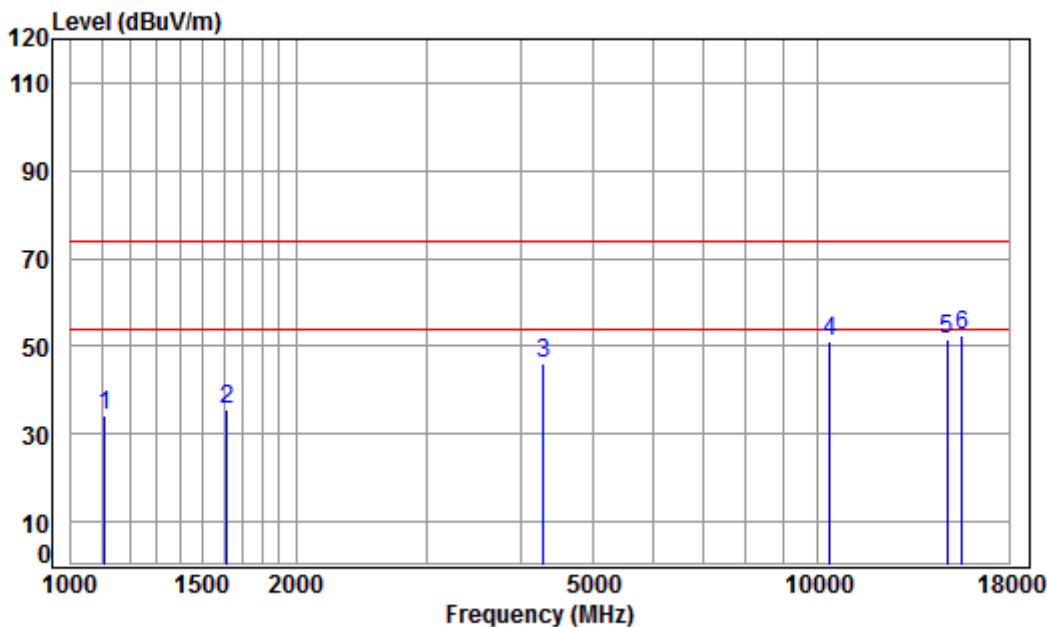
: 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	45.31	35.13	74.00	-38.87	peak
2	1663.137	4.66	26.52	38.03	43.38	36.53	74.00	-37.47	peak
3	4417.841	7.19	33.60	38.21	43.38	45.96	74.00	-28.04	peak
4	10480.000	11.84	37.12	35.14	38.85	52.67	74.00	-21.33	peak
5	14873.890	14.82	41.08	38.91	34.37	51.36	74.00	-22.64	peak
6	15720.000	15.42	41.31	38.11	32.86	51.48	74.00	-22.52	peak





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

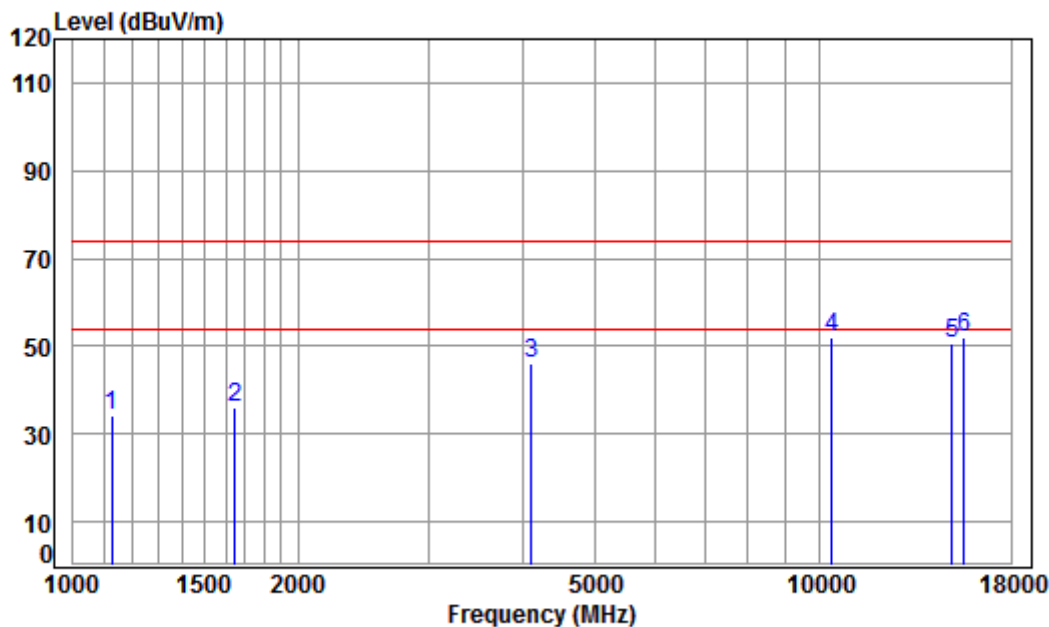


Condition: 3m HORIZONTAL  
Job No: : 05891CR\05892CR  
Mode: : 5190 TX RSE  
: 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1109.660	3.94	24.02	38.09	44.24	34.11	74.00	-39.89	peak
2	1615.754	4.61	26.32	38.04	42.72	35.61	74.00	-38.39	peak
3	4291.977	7.05	33.60	38.15	43.36	45.86	74.00	-28.14	peak
4	10380.000	11.76	37.22	35.09	37.41	51.30	74.00	-22.70	peak
5	14873.890	14.82	41.08	38.91	34.77	51.76	74.00	-22.24	peak
6	pp15570.000	15.31	41.37	38.27	33.86	52.27	74.00	-21.73	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

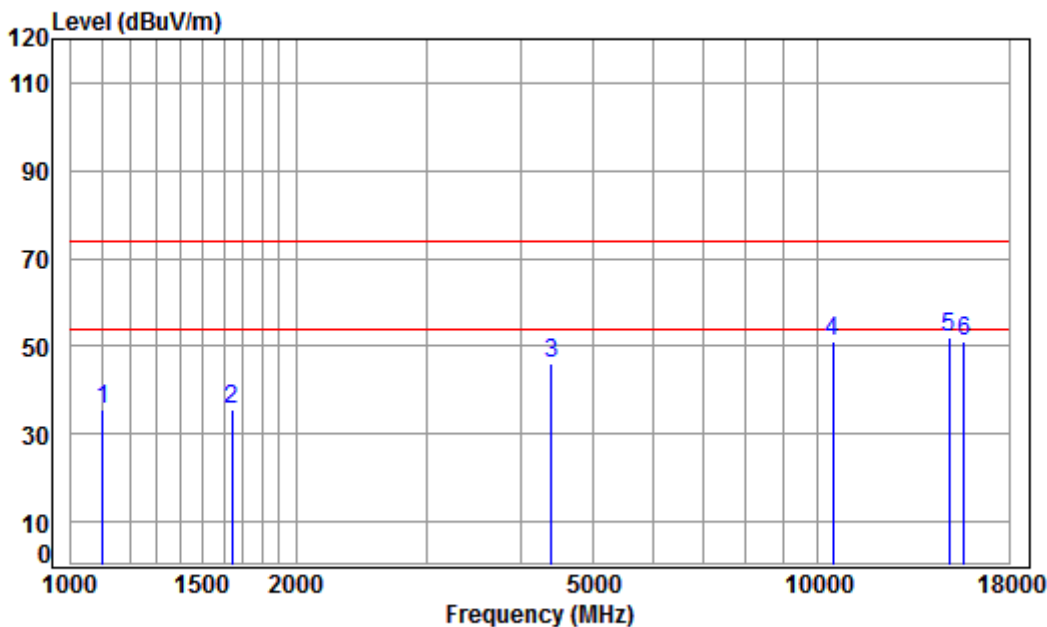
Mode: : 5190 TX RSE

: 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1125.813	3.97	24.10	38.09	44.30	34.28	74.00	-39.72	peak
2	1648.778	4.65	26.46	38.04	43.20	36.27	74.00	-37.73	peak
3	4109.872	6.83	33.60	38.05	43.71	46.09	74.00	-27.91	peak
4	10380.000	11.76	37.22	35.09	38.00	51.89	74.00	-22.11	peak
5	15003.420	14.85	41.30	38.90	33.55	50.80	74.00	-23.20	peak
6	pp15570.000	15.31	41.37	38.27	33.81	52.22	74.00	-21.78	peak



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

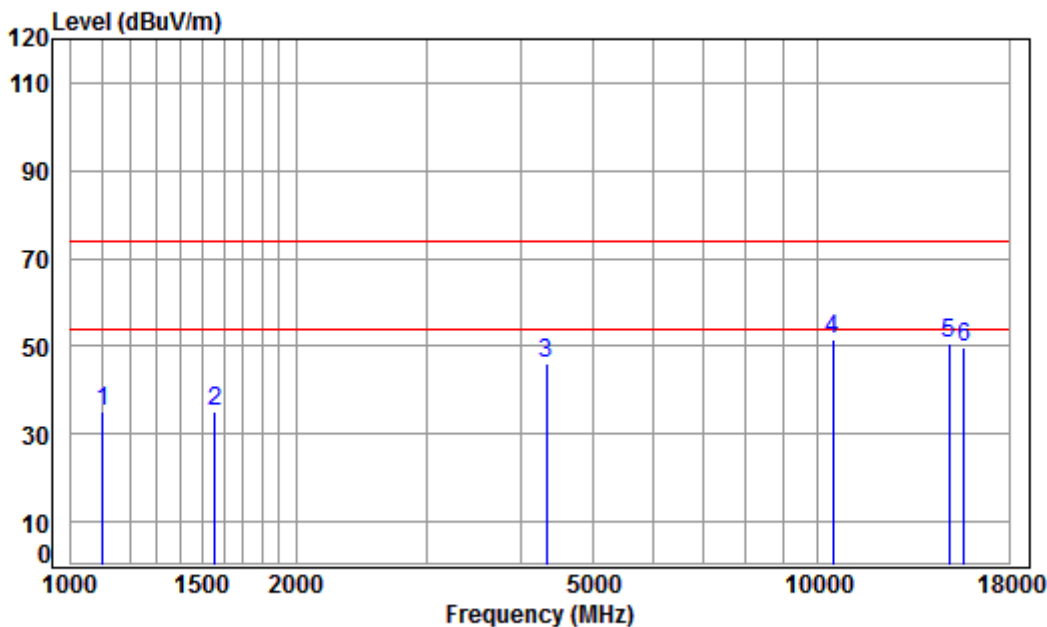


Condition: 3m HORIZONTAL  
Job No: : 05891CR\05892CR  
Mode: : 5230 TX RSE  
: 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	45.84	35.66	74.00	-38.34	peak
2	1644.019	4.64	26.44	38.04	42.35	35.39	74.00	-38.61	peak
3	4392.376	7.16	33.60	38.20	43.50	46.06	74.00	-27.94	peak
4	10460.000	11.83	37.14	35.13	37.35	51.19	74.00	-22.81	peak
5	pp14960.120	14.84	41.23	38.90	34.88	52.05	74.00	-21.95	peak
6	15690.000	15.40	41.32	38.14	32.68	51.26	74.00	-22.74	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

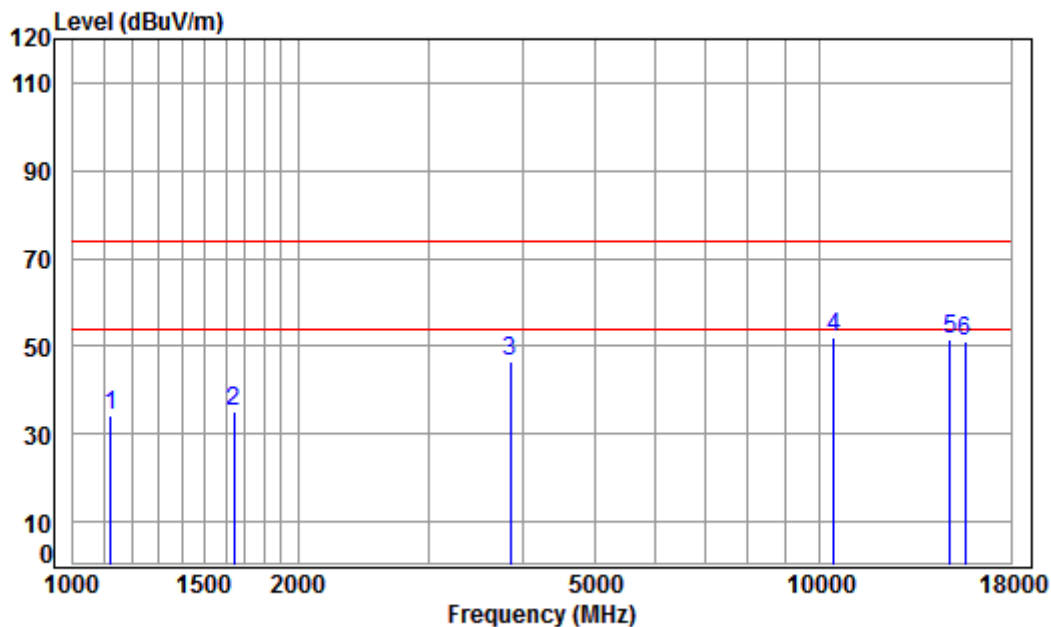
Mode: : 5230 TX RSE

: 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	45.43	35.25	74.00	-38.75	peak
2	1560.673	4.54	26.08	38.04	42.66	35.24	74.00	-38.76	peak
3	4329.354	7.09	33.60	38.16	43.61	46.14	74.00	-27.86	peak
4	pp10460.000	11.83	37.14	35.13	37.78	51.62	74.00	-22.38	peak
5	14960.120	14.84	41.23	38.90	33.44	50.61	74.00	-23.39	peak
6	15690.000	15.40	41.32	38.14	31.33	49.91	74.00	-24.09	peak



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

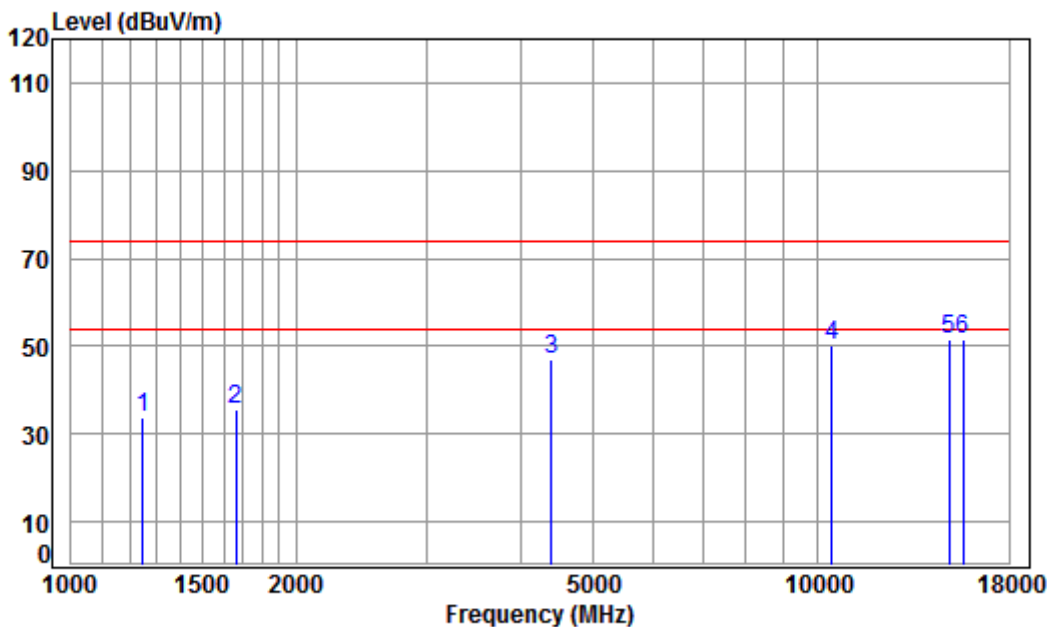


Condition: 3m HORIZONTAL  
Job No: : 05891CR\05892CR  
Mode: : 5210 TX RSE  
: 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1122.563	3.96	24.08	38.09	44.20	34.15	74.00	-39.85	peak
2	1644.019	4.64	26.44	38.04	42.27	35.31	74.00	-38.69	peak
3	3845.537	6.58	33.19	37.98	44.78	46.57	74.00	-27.43	peak
4	pp10420.000	11.79	37.18	35.11	38.33	52.19	74.00	-21.81	peak
5	14916.940	14.83	41.15	38.91	34.27	51.34	74.00	-22.66	peak
6	15630.000	15.35	41.35	38.21	32.80	51.29	74.00	-22.71	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

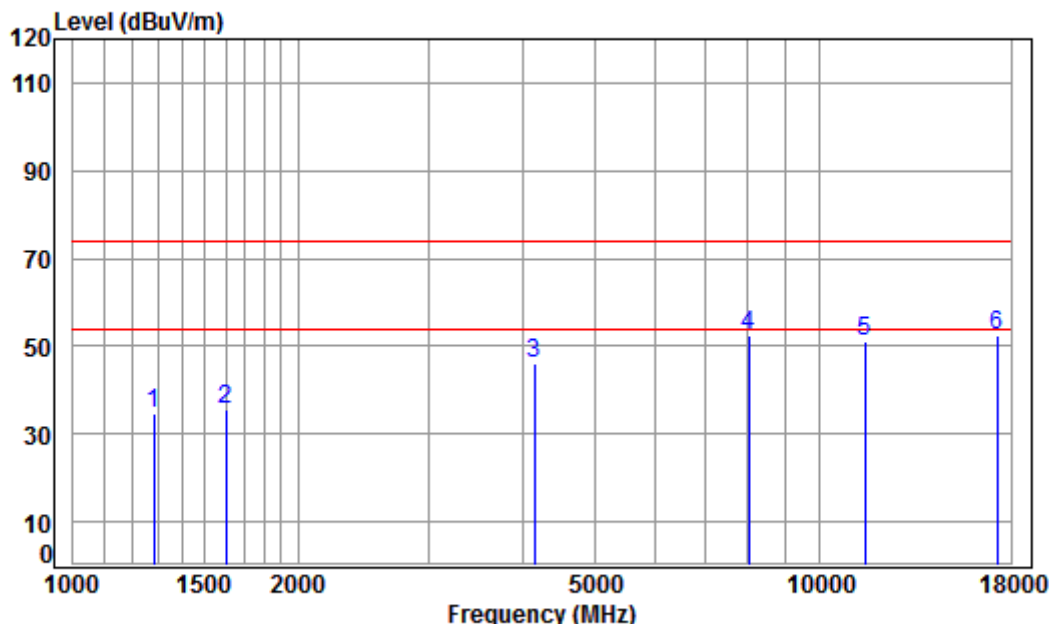
Mode: : 5210 TX RSE

: 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1249.269	4.15	24.72	38.08	43.07	33.86	74.00	-40.14	peak
2	1663.137	4.66	26.52	38.03	42.30	35.45	74.00	-38.55	peak
3	4392.376	7.16	33.60	38.20	44.36	46.92	74.00	-27.08	peak
4	10420.000	11.79	37.18	35.11	36.24	50.10	74.00	-23.90	peak
5	pp14960.120	14.84	41.23	38.90	34.51	51.68	74.00	-22.32	peak
6	15630.000	15.35	41.35	38.21	33.00	51.49	74.00	-22.51	peak



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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

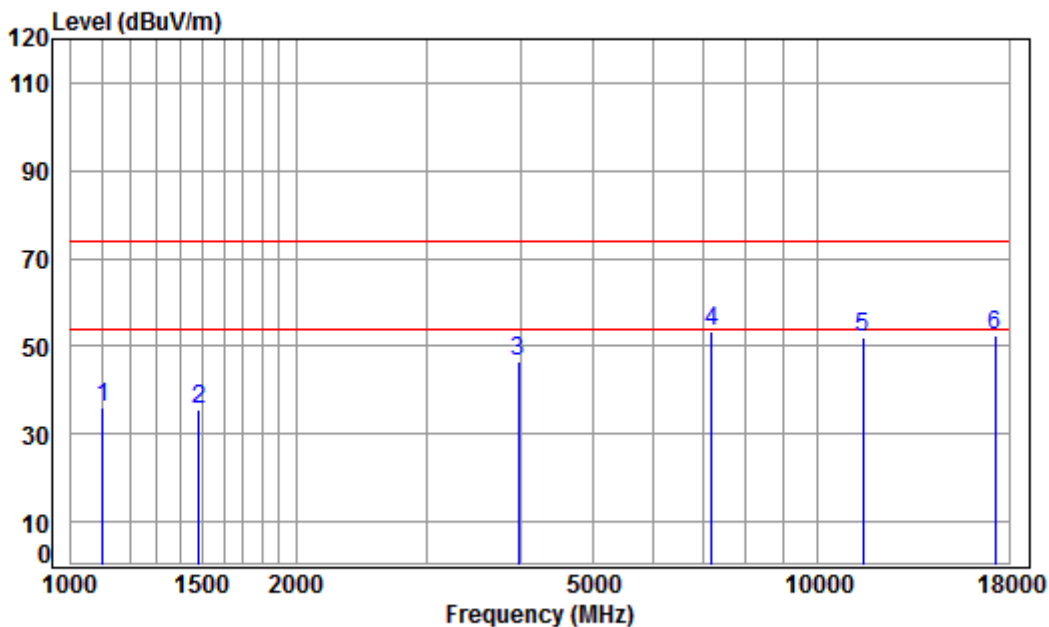
Mode: : 5745 TX RSE

: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.193	4.20	24.87	38.07	43.72	34.72	74.00	-39.28	peak
2	1601.804	4.59	26.26	38.04	42.94	35.75	74.00	-38.25	peak
3	4145.664	6.88	33.60	38.07	43.45	45.86	74.00	-28.14	peak
4	8036.214	10.06	36.56	36.36	42.29	52.55	74.00	-21.45	peak
5	11490.000	12.33	38.09	35.50	36.33	51.25	74.00	-22.75	peak
6	pp17235.000	17.60	43.08	36.18	28.19	52.69	74.00	-21.31	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

Mode: : 5745 TX RSE

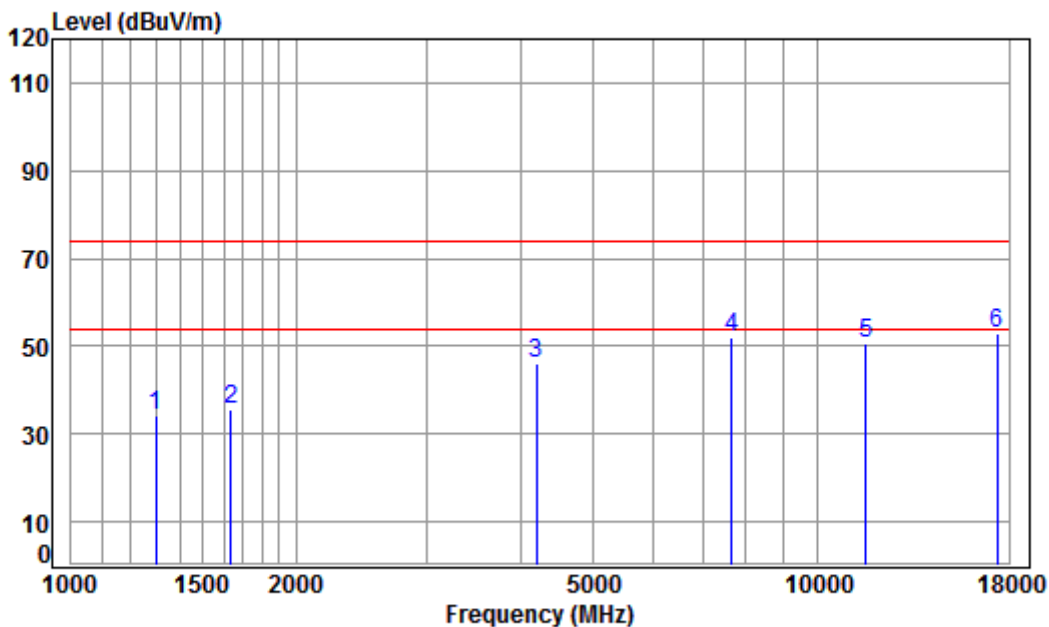
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	46.37	36.19	74.00	-37.81	peak
2	1481.553	4.45	25.73	38.05	43.30	35.43	74.00	-38.57	peak
3	3969.767	6.68	33.52	38.00	44.27	46.47	74.00	-27.53	peak
4 pp	7200.309	9.65	36.42	37.12	44.27	53.22	74.00	-20.78	peak
5	11490.000	12.33	38.09	35.50	37.17	52.09	74.00	-21.91	peak
6	17235.000	17.60	43.08	36.18	27.81	52.31	74.00	-21.69	peak





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

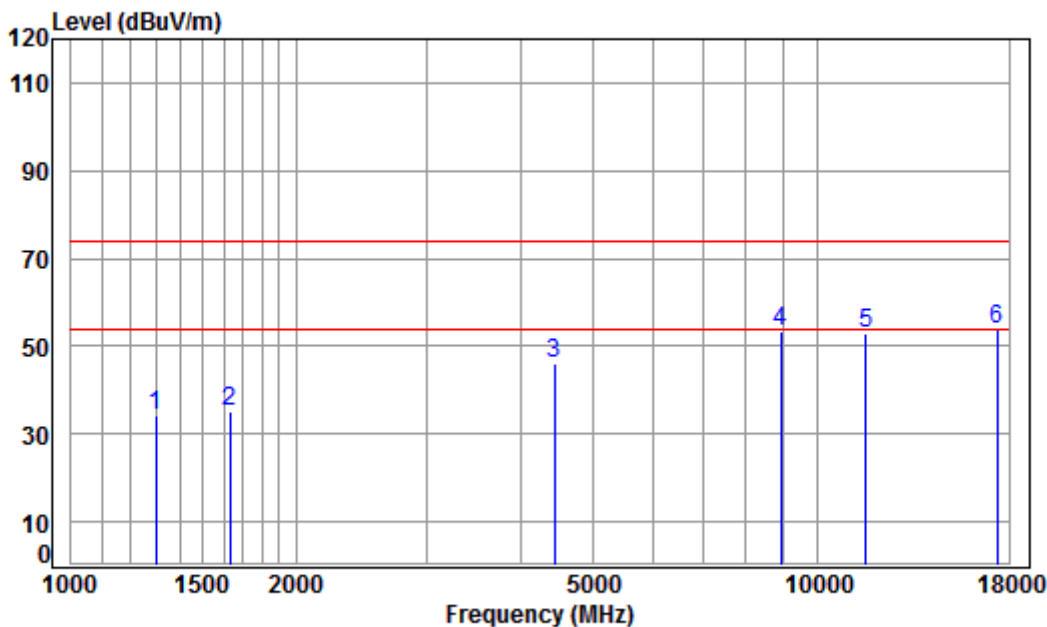


Condition: 3m HORIZONTAL  
Job No: : 05891CR\05892CR  
Mode: : 5785 TX RSE  
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.22	24.96	38.07	43.22	34.33	74.00	-39.67	peak
2	1639.274	4.64	26.42	38.04	42.59	35.61	74.00	-38.39	peak
3	4193.872	6.93	33.60	38.10	43.87	46.30	74.00	-27.70	peak
4	7673.034	9.92	36.41	36.69	42.39	52.03	74.00	-21.97	peak
5	11570.000	12.34	38.17	35.51	35.80	50.80	74.00	-23.20	peak
6	pp17355.000	17.93	43.23	36.12	27.99	53.03	74.00	-20.97	peak



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

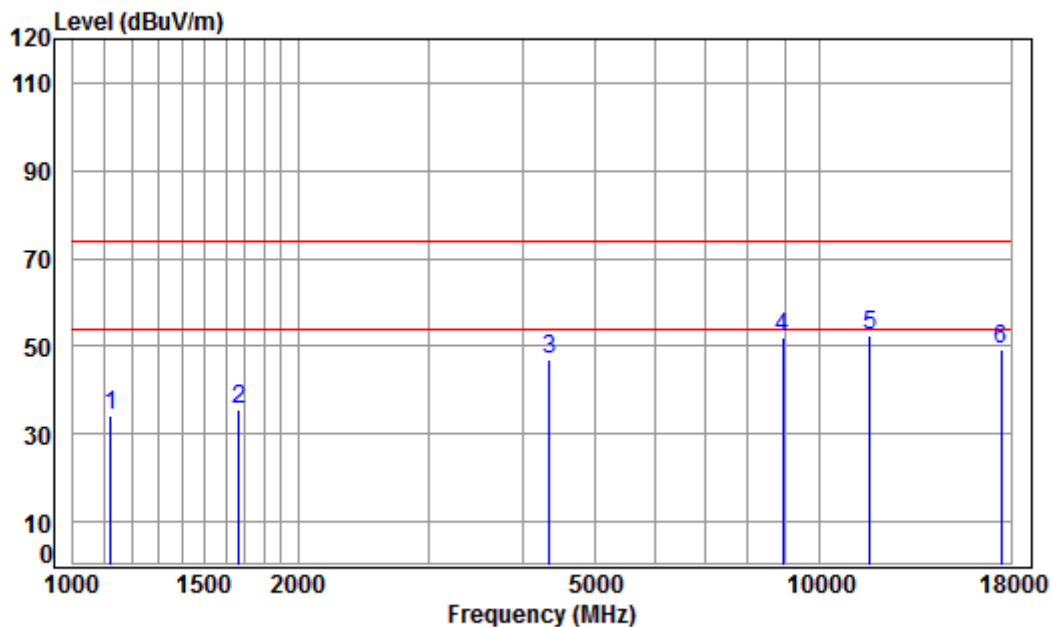


Condition: 3m VERTICAL  
Job No: : 05891CR\05892CR  
Mode: : 5785 TX RSE  
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1297.103	4.22	24.94	38.07	43.27	34.36	74.00	-39.64	peak
2	1629.825	4.63	26.38	38.04	42.26	35.23	74.00	-38.77	peak
3	4443.453	7.22	33.60	38.22	43.67	46.27	74.00	-27.73	peak
4	8917.462	10.62	36.50	35.48	41.60	53.24	74.00	-20.76	peak
5	11570.000	12.34	38.17	35.51	38.09	53.09	74.00	-20.91	peak
6	pp17355.000	17.93	43.23	36.12	28.86	53.90	74.00	-20.10	peak



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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

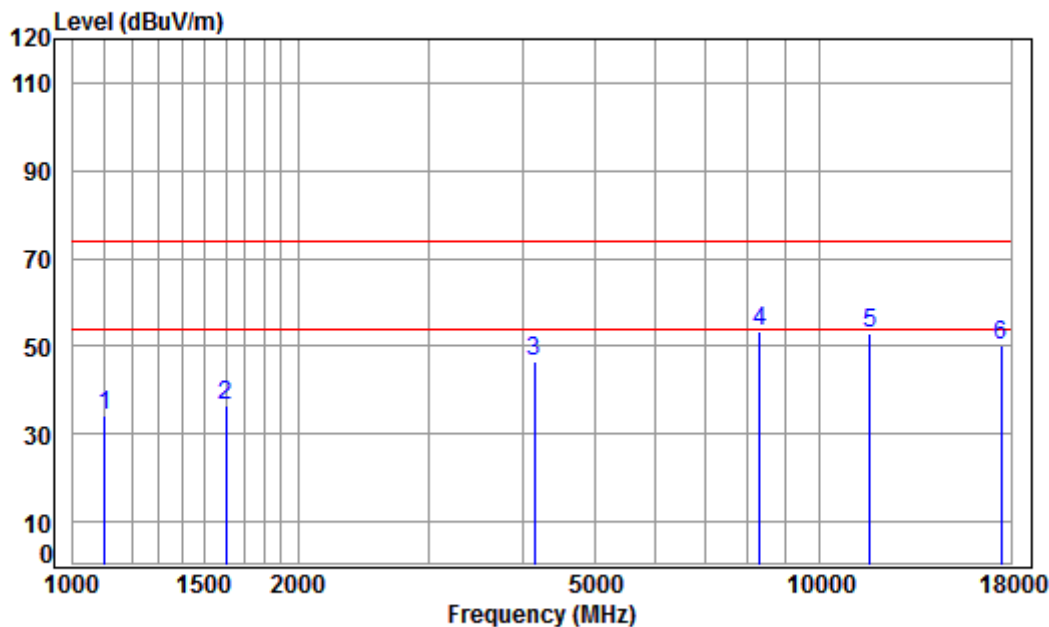
Mode: : 5825 TX RSE

: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1122.563	3.96	24.08	38.09	44.46	34.41	74.00	-39.59	peak
2	1667.951	4.67	26.54	38.03	42.52	35.70	74.00	-38.30	peak
3	4341.886	7.10	33.60	38.17	44.65	47.18	74.00	-26.82	peak
4	8917.462	10.62	36.50	35.48	40.52	52.16	74.00	-21.84	peak
5	pp11650.000	12.35	38.25	35.53	37.31	52.38	74.00	-21.62	peak
6	17475.000	18.25	43.37	36.06	23.52	49.08	74.00	-24.92	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

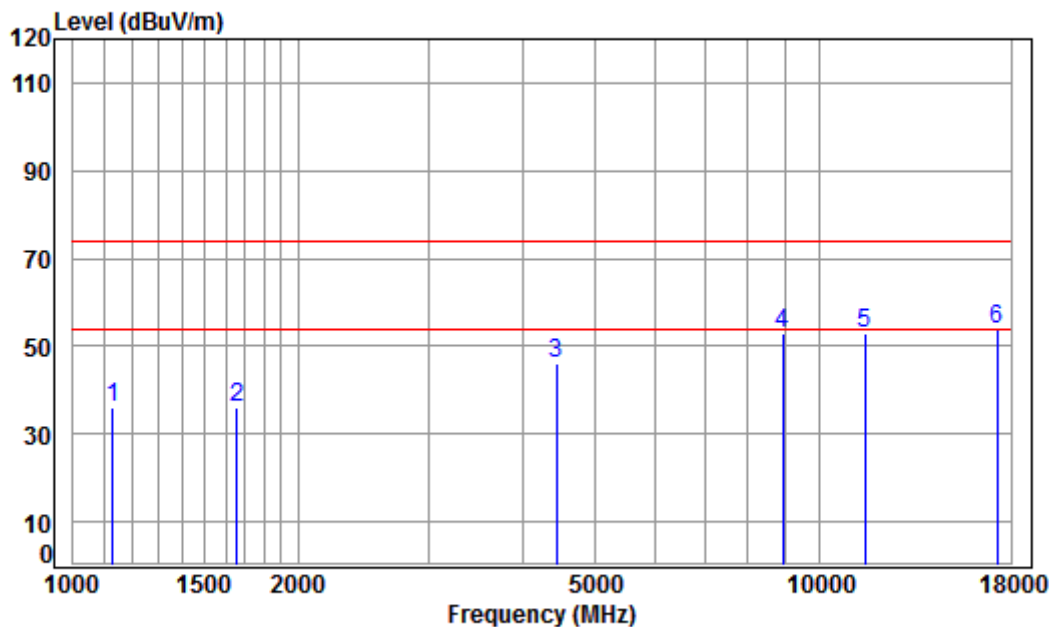
Mode: : 5825 TX RSE

: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	44.35	34.17	74.00	-39.83	peak
2	1601.804	4.59	26.26	38.04	43.51	36.32	74.00	-37.68	peak
3	4145.664	6.88	33.60	38.07	44.03	46.44	74.00	-27.56	peak
4 pp	8295.823	10.20	36.24	36.10	42.91	53.25	74.00	-20.75	peak
5	11650.000	12.35	38.25	35.53	37.71	52.78	74.00	-21.22	peak
6	17475.000	18.25	43.37	36.06	24.44	50.00	74.00	-24.00	peak



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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

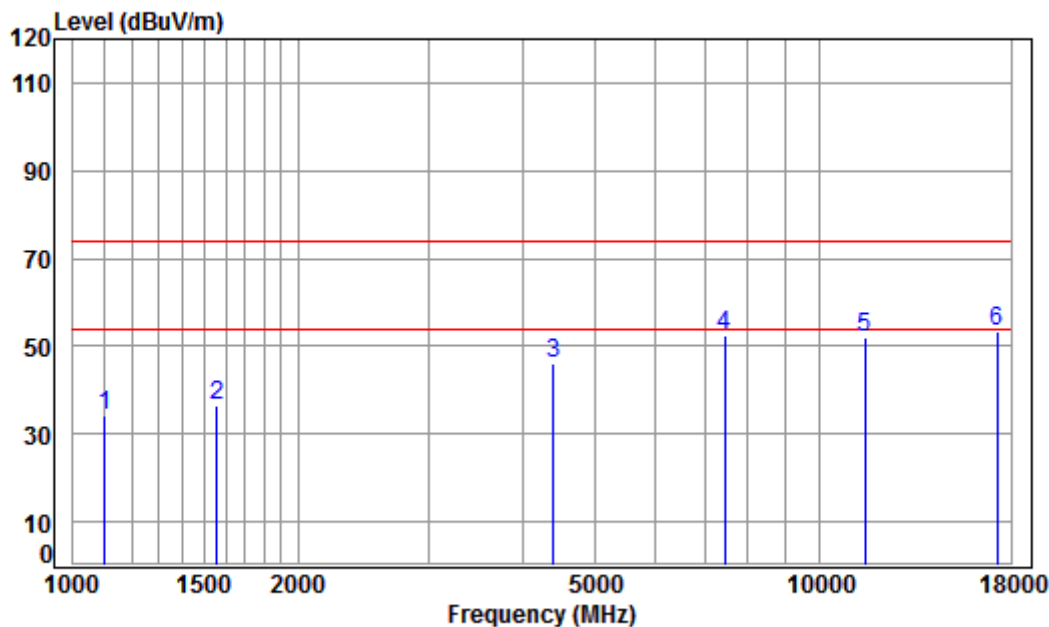
Mode: : 5745 TX RSE

: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1129.072	3.97	24.12	38.09	46.19	36.19	74.00	-37.81	peak
2	1658.337	4.66	26.50	38.03	42.84	35.97	74.00	-38.03	peak
3	4443.453	7.22	33.60	38.22	43.64	46.24	74.00	-27.76	peak
4	8917.462	10.62	36.50	35.48	41.18	52.82	74.00	-21.18	peak
5	11490.000	12.33	38.09	35.50	37.99	52.91	74.00	-21.09	peak
6	pp17235.000	17.60	43.08	36.18	29.23	53.73	74.00	-20.27	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

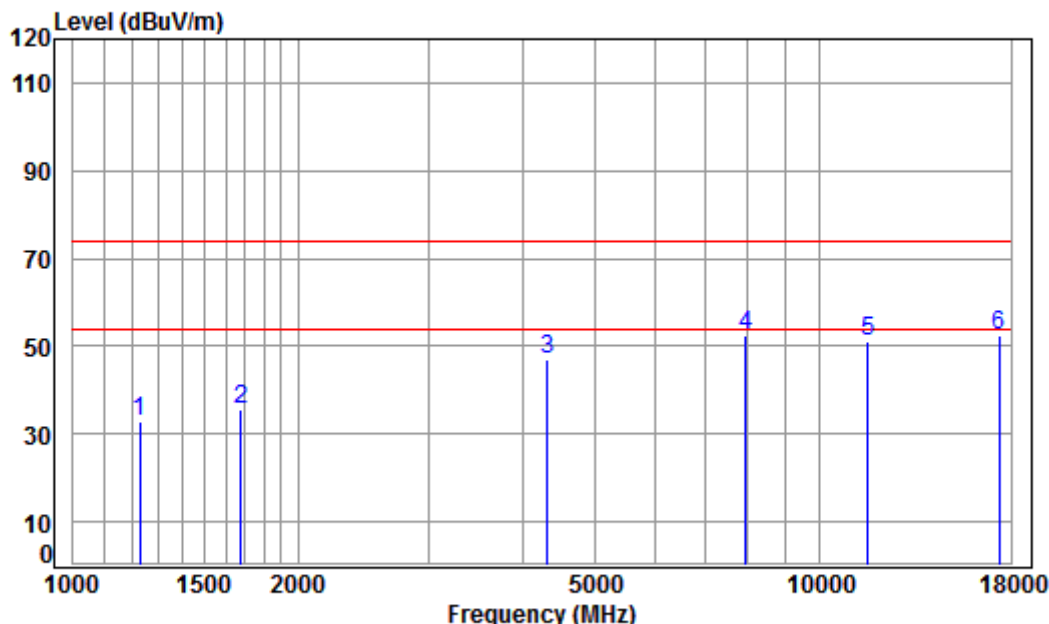
Mode: : 5745 TX RSE

: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	44.37	34.19	74.00	-39.81	peak
2	1560.673	4.54	26.08	38.04	43.95	36.53	74.00	-37.47	peak
3	4392.376	7.16	33.60	38.20	43.32	45.88	74.00	-28.12	peak
4	7454.429	9.82	36.32	36.89	43.26	52.51	74.00	-21.49	peak
5	11490.000	12.33	38.09	35.50	37.11	52.03	74.00	-21.97	peak
6	pp17235.000	17.60	43.08	36.18	28.69	53.19	74.00	-20.81	peak



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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

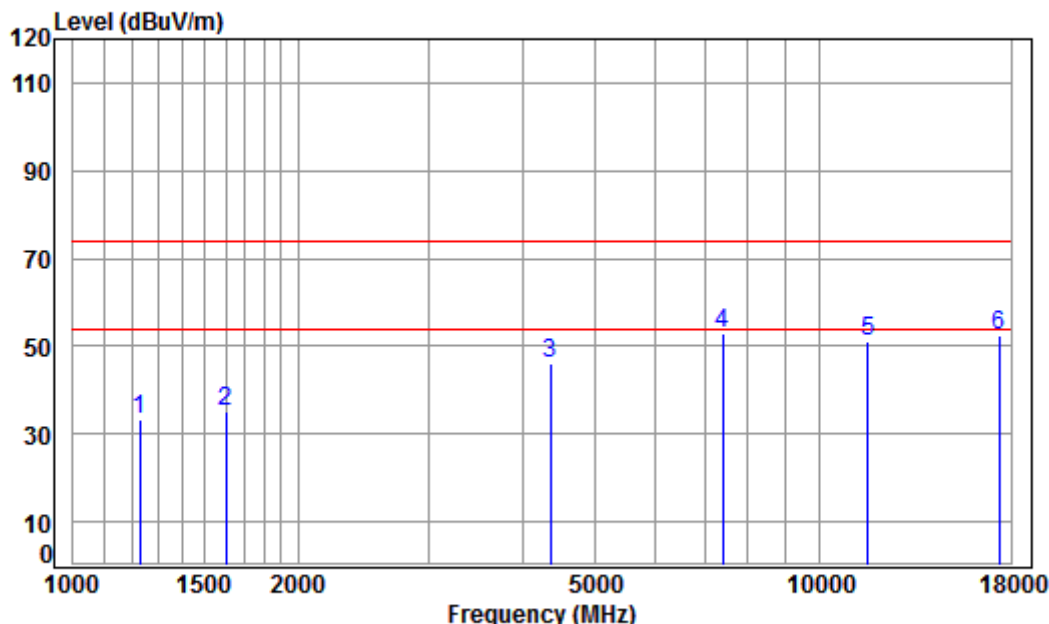
Mode: : 5785 TX RSE

: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1227.791	4.12	24.61	38.08	42.26	32.91	74.00	-41.09	peak
2	1677.621	4.68	26.58	38.03	42.32	35.55	74.00	-38.45	peak
3	4316.859	7.08	33.60	38.16	44.49	47.01	74.00	-26.99	peak
4 pp	7943.838	10.02	36.57	36.45	42.34	52.48	74.00	-21.52	peak
5	11570.000	12.34	38.17	35.51	36.13	51.13	74.00	-22.87	peak
6	17355.000	17.93	43.23	36.12	27.25	52.29	74.00	-21.71	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

Mode: : 5785 TX RSE

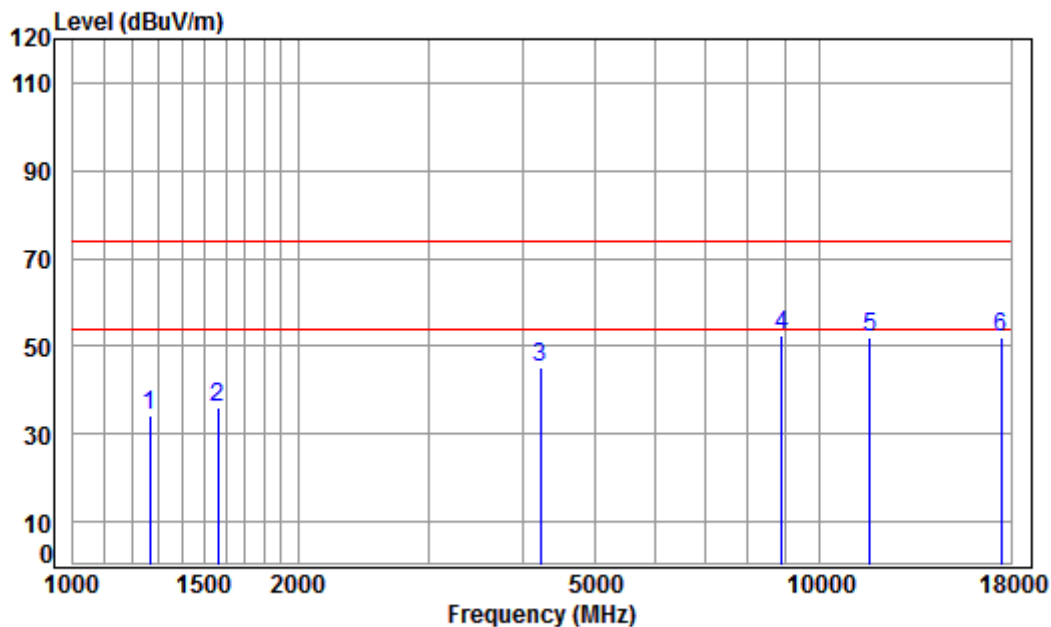
: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1227.791	4.12	24.61	38.08	42.85	33.50	74.00	-40.50	peak
2	1601.804	4.59	26.26	38.04	42.49	35.30	74.00	-38.70	peak
3	4354.454	7.12	33.60	38.18	43.68	46.22	74.00	-27.78	peak
4 pp	7411.461	9.79	36.33	36.93	43.88	53.07	74.00	-20.93	peak
5	11570.000	12.34	38.17	35.51	36.29	51.29	74.00	-22.71	peak
6	17355.000	17.93	43.23	36.12	27.57	52.61	74.00	-21.39	peak





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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

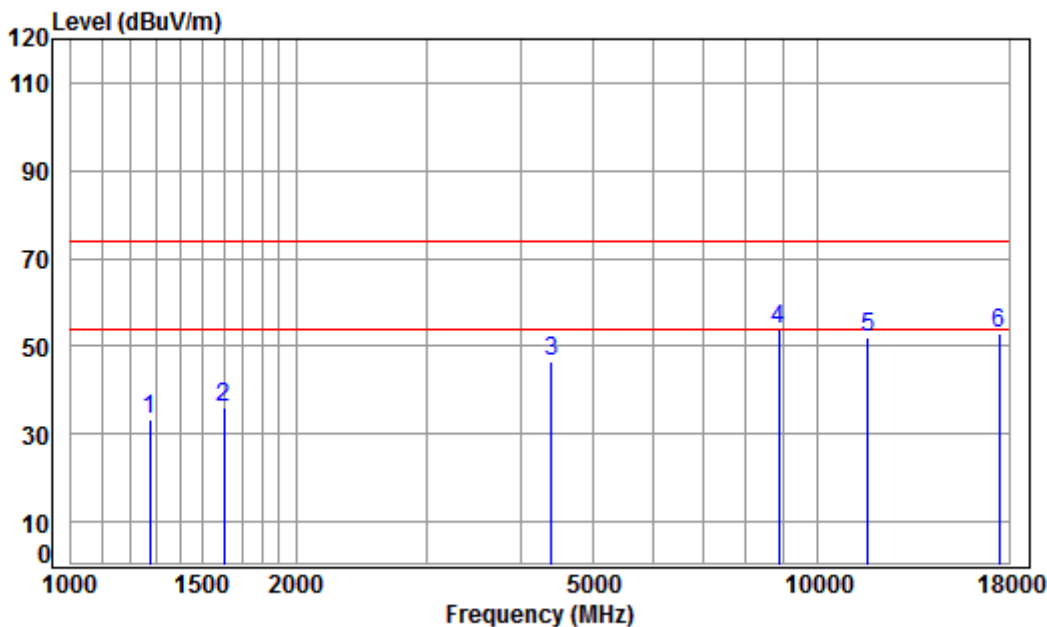
Mode: : 5825 TX RSE

: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1267.454	4.18	24.80	38.07	43.15	34.06	74.00	-39.94	peak
2	1565.191	4.55	26.10	38.04	43.27	35.88	74.00	-38.12	peak
3	4218.186	6.96	33.60	38.11	42.83	45.28	74.00	-28.72	peak
4 pp	8891.725	10.60	36.47	35.51	40.80	52.36	74.00	-21.64	peak
5	11650.000	12.35	38.25	35.53	36.83	51.90	74.00	-22.10	peak
6	17475.000	18.25	43.37	36.06	26.47	52.03	74.00	-21.97	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

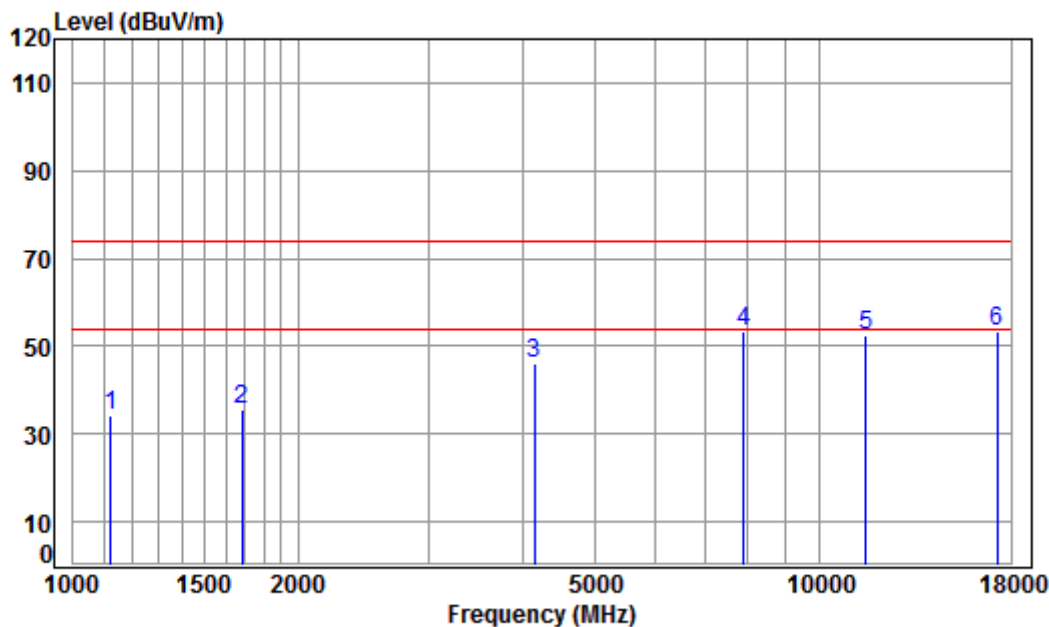
Mode: : 5825 TX RSE

: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1274.802	4.19	24.84	38.07	42.49	33.45	74.00	-40.55	peak
2	1601.804	4.59	26.26	38.04	43.10	35.91	74.00	-38.09	peak
3	4392.376	7.16	33.60	38.20	43.80	46.36	74.00	-27.64	peak
4 pp	8866.062	10.58	36.44	35.53	42.15	53.64	74.00	-20.36	peak
5	11650.000	12.35	38.25	35.53	37.00	52.07	74.00	-21.93	peak
6	17475.000	18.25	43.37	36.06	27.15	52.71	74.00	-21.29	peak



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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

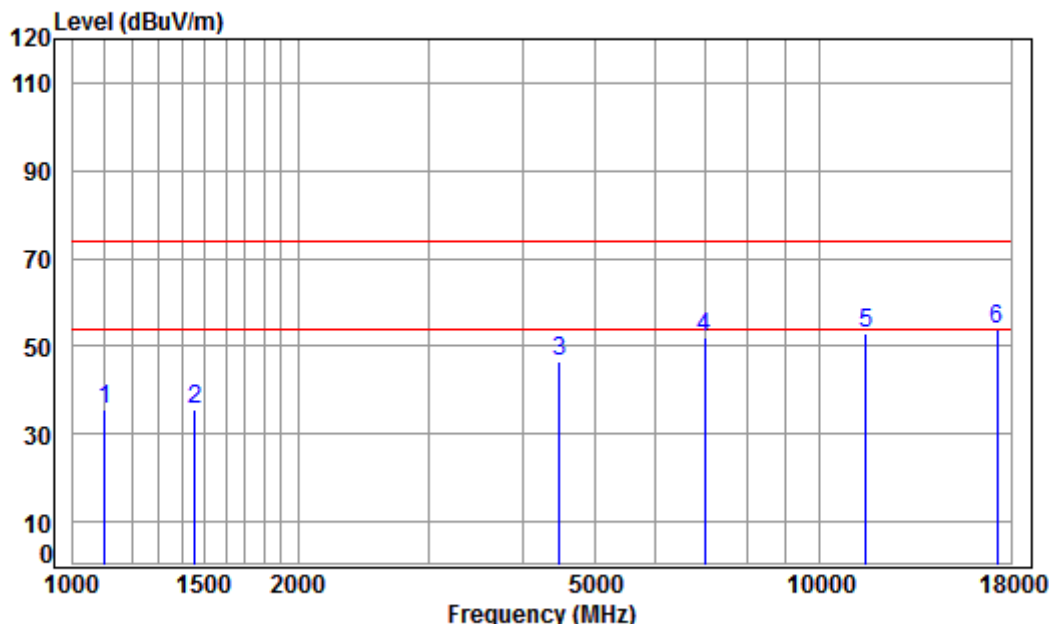
Mode: : 5755 TX RSE

: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1122.563	3.96	24.08	38.09	44.17	34.12	74.00	-39.88	peak
2	1682.477	4.69	26.60	38.03	42.21	35.47	74.00	-38.53	peak
3	4145.664	6.88	33.60	38.07	43.50	45.91	74.00	-28.09	peak
4 pp	7898.049	10.00	36.54	36.49	43.44	53.49	74.00	-20.51	peak
5	11510.000	12.33	38.11	35.50	37.49	52.43	74.00	-21.57	peak
6	17265.000	17.68	43.12	36.17	28.54	53.17	74.00	-20.83	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

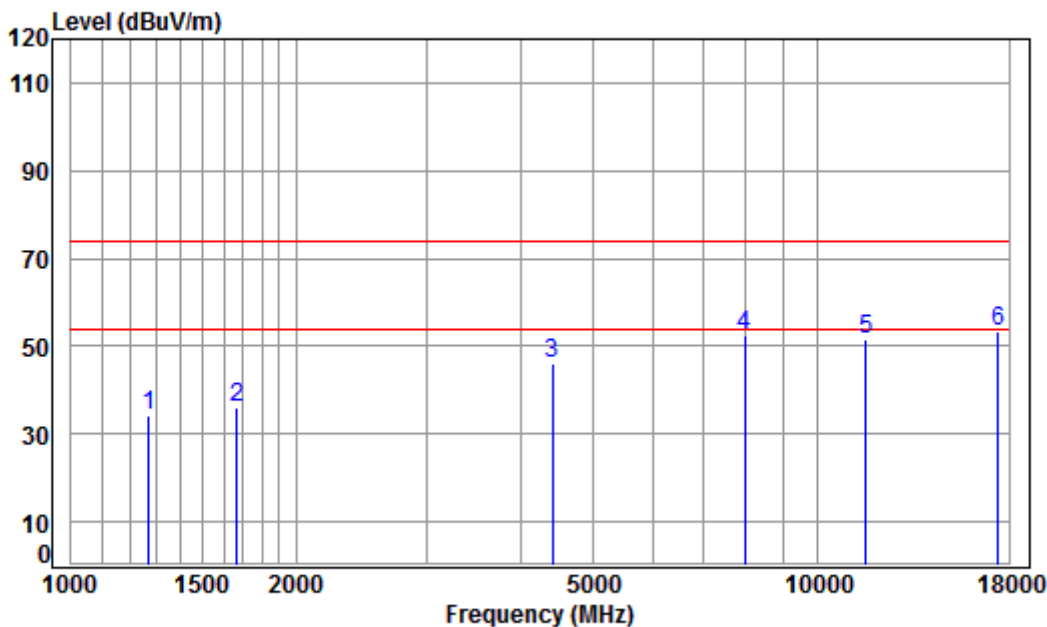
Mode: : 5755 TX RSE

: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	45.63	35.45	74.00	-38.55	peak
2	1456.081	4.42	25.62	38.05	43.73	35.72	74.00	-38.28	peak
3	4482.150	7.26	33.60	38.24	43.78	46.40	74.00	-27.60	peak
4	7015.420	9.52	36.49	37.29	43.31	52.03	74.00	-21.97	peak
5	11510.000	12.33	38.11	35.50	37.99	52.93	74.00	-21.07	peak
6	pp17265.000	17.68	43.12	36.17	29.09	53.72	74.00	-20.28	peak



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

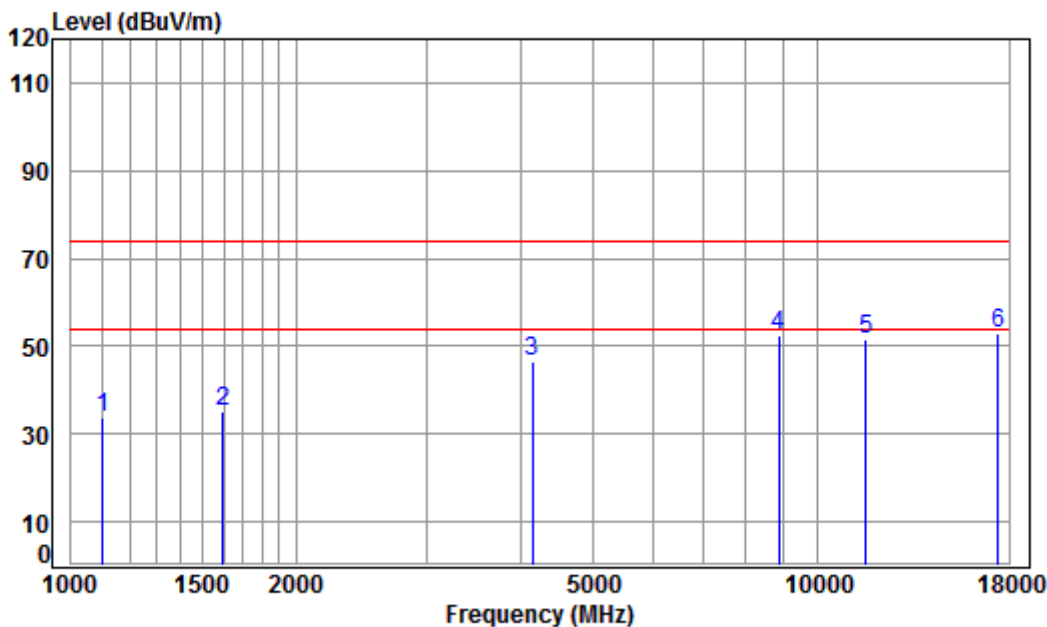


Condition: 3m HORIZONTAL  
Job No: : 05891CR\05892CR  
Mode: : 5795 TX RSE  
: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1271.123	4.18	24.82	38.07	43.07	34.00	74.00	-40.00	peak
2	1667.951	4.67	26.54	38.03	42.68	35.86	74.00	-38.14	peak
3	4405.090	7.18	33.60	38.20	43.63	46.21	74.00	-27.79	peak
4	7966.832	10.03	36.58	36.43	42.41	52.59	74.00	-21.41	peak
5	11590.000	12.34	38.19	35.52	36.73	51.74	74.00	-22.26	peak
6	pp17385.000	18.01	43.26	36.11	28.08	53.24	74.00	-20.76	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

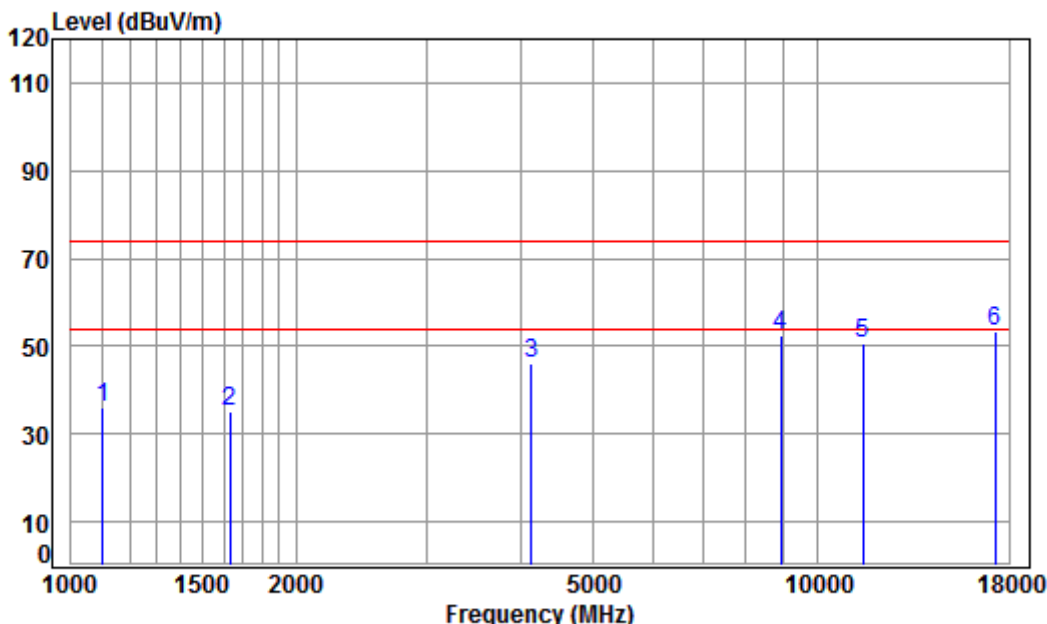
Mode: : 5795 TX RSE

: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	43.90	33.72	74.00	-40.28	peak
2	1597.181	4.59	26.24	38.04	42.31	35.10	74.00	-38.90	peak
3	4145.664	6.88	33.60	38.07	44.04	46.45	74.00	-27.55	peak
4	8866.062	10.58	36.44	35.53	41.15	52.64	74.00	-21.36	peak
5	11590.000	12.34	38.19	35.52	36.38	51.39	74.00	-22.61	peak
6	pp17385.000	18.01	43.26	36.11	27.99	53.15	74.00	-20.85	peak



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

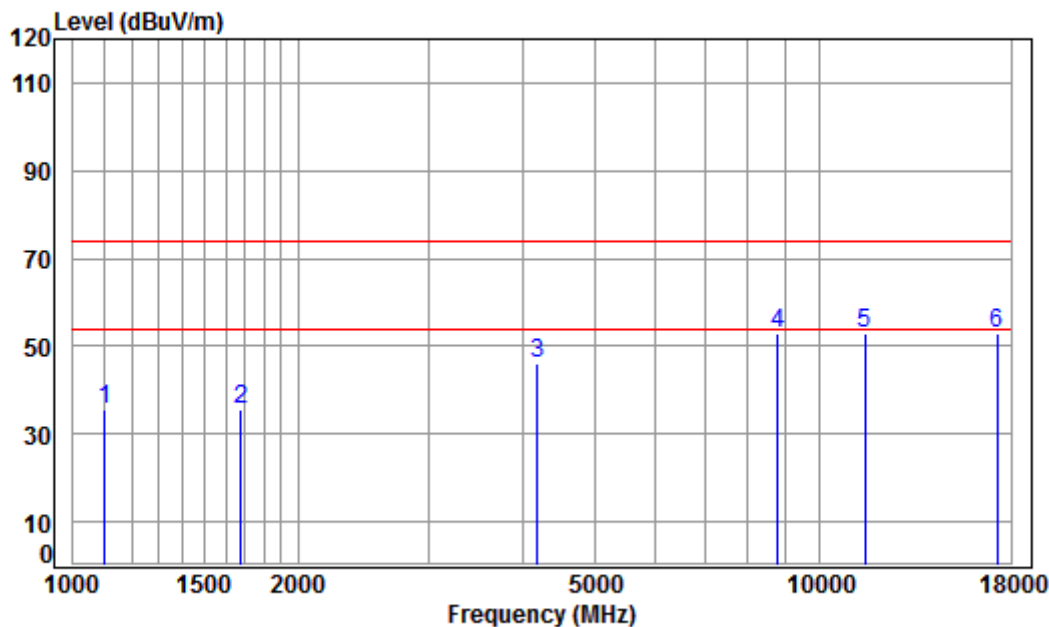


Condition: 3m HORIZONTAL  
Job No: : 05891CR\05892CR  
Mode: : 5745 TX RSE  
: 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	46.15	35.97	74.00	-38.03	peak
2	1634.543	4.63	26.40	38.04	41.98	34.97	74.00	-39.03	peak
3	4133.699	6.86	33.60	38.07	43.54	45.93	74.00	-28.07	peak
4	8917.462	10.62	36.50	35.48	40.70	52.34	74.00	-21.66	peak
5	11490.000	12.33	38.09	35.50	35.66	50.58	74.00	-23.42	peak
6	pp17235.000	17.60	43.08	36.18	28.69	53.19	74.00	-20.81	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

Mode: : 5745 TX RSE

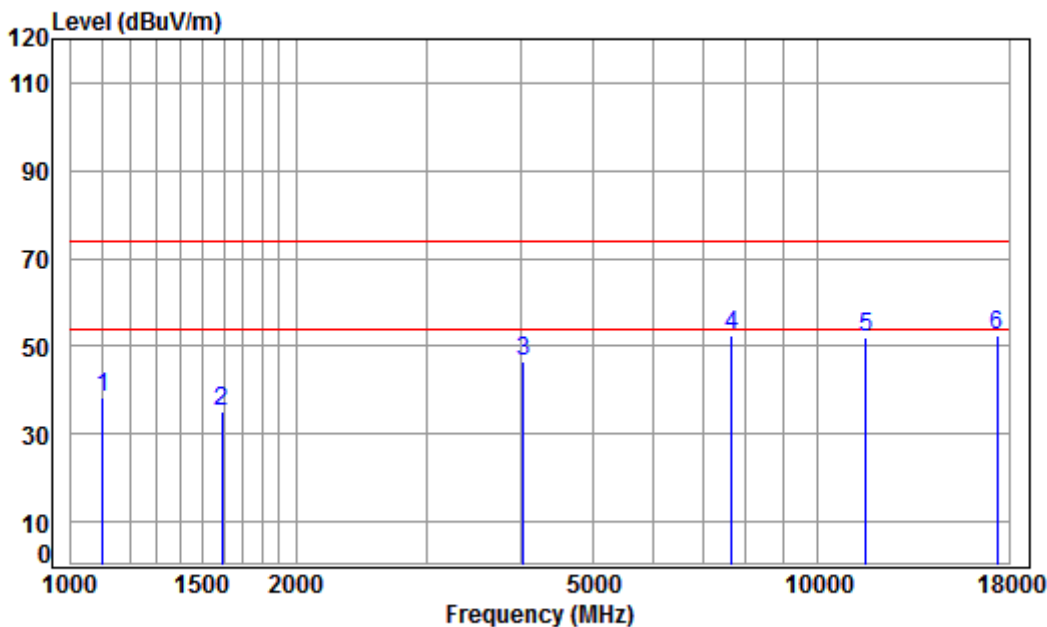
: 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	45.92	35.74	74.00	-38.26	peak
2	1677.621	4.68	26.58	38.03	42.50	35.73	74.00	-38.27	peak
3	4181.768	6.92	33.60	38.09	43.60	46.03	74.00	-27.97	peak
4 pp	8764.146	10.51	36.32	35.64	41.84	53.03	74.00	-20.97	peak
5	11490.000	12.33	38.09	35.50	37.92	52.84	74.00	-21.16	peak
6	17235.000	17.60	43.08	36.18	28.38	52.88	74.00	-21.12	peak





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

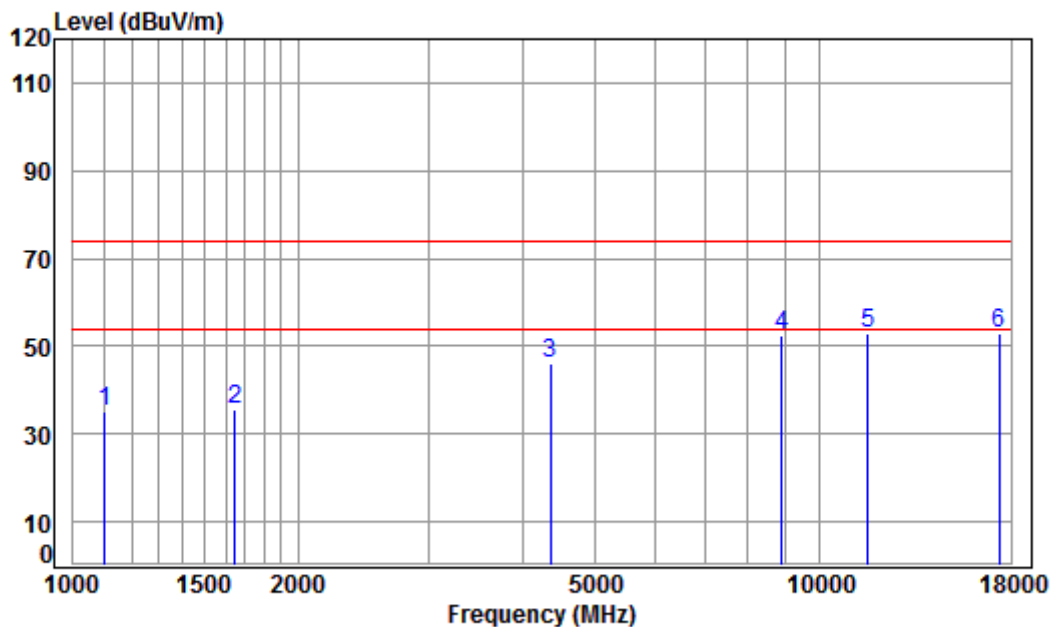


Condition: 3m HORIZONTAL  
Job No: : 05891CR\05892CR  
Mode: : 5785 TX RSE  
: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	48.40	38.22	74.00	-35.78	peak
2	1592.571	4.58	26.22	38.04	42.47	35.23	74.00	-38.77	peak
3	4027.554	6.73	33.60	38.01	44.03	46.35	74.00	-27.65	peak
4 pp	7650.888	9.91	36.39	36.71	42.97	52.56	74.00	-21.44	peak
5	11570.000	12.34	38.17	35.51	36.89	51.89	74.00	-22.11	peak
6	17355.000	17.93	43.23	36.12	27.43	52.47	74.00	-21.53	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

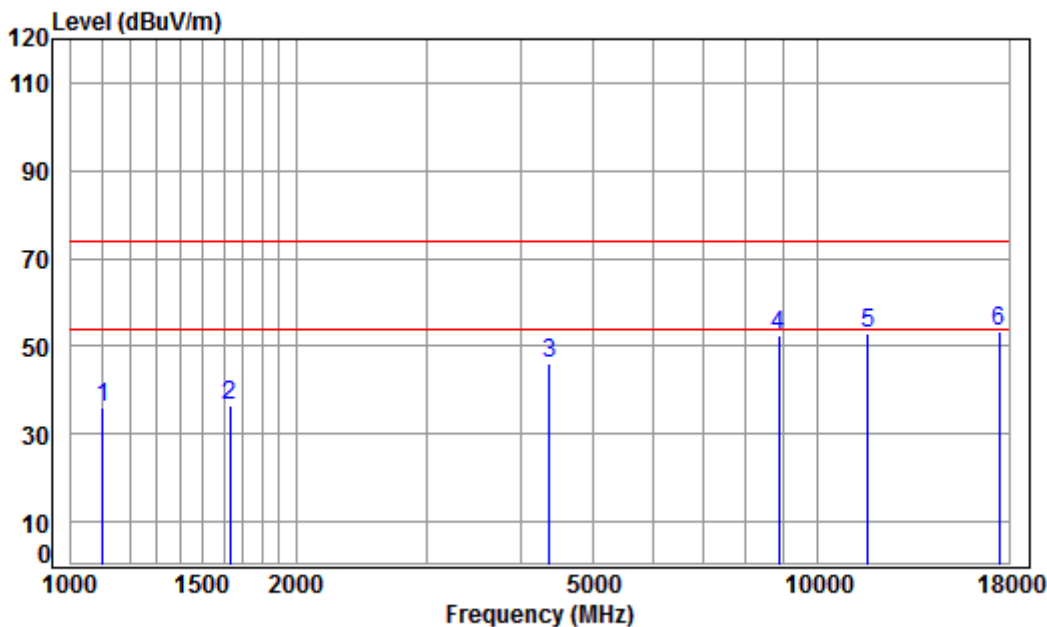
Mode: : 5785 TX RSE

: 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	45.36	35.18	74.00	-38.82	peak
2	1648.778	4.65	26.46	38.04	42.41	35.48	74.00	-38.52	peak
3	4354.454	7.12	33.60	38.18	43.36	45.90	74.00	-28.10	peak
4	8891.725	10.60	36.47	35.51	40.89	52.45	74.00	-21.55	peak
5	11570.000	12.34	38.17	35.51	37.88	52.88	74.00	-21.12	peak
6	pp17355.000	17.93	43.23	36.12	27.96	53.00	74.00	-21.00	peak



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

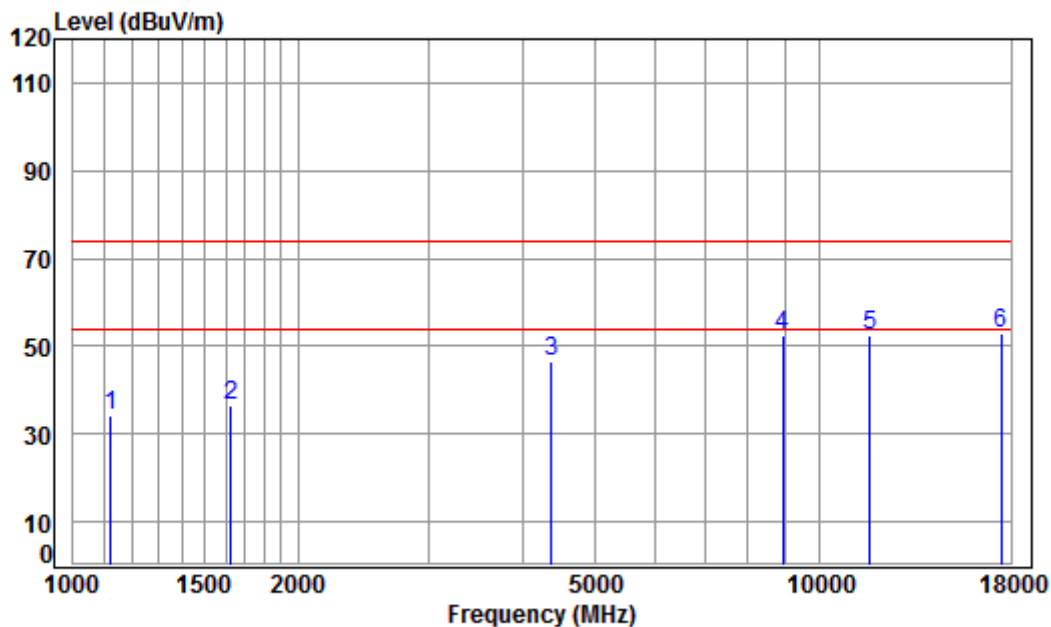


Condition: 3m HORIZONTAL  
Job No: : 05891CR\05892CR  
Mode: : 5825 TX RSE  
: 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	46.28	36.10	74.00	-37.90	peak
2	1634.543	4.63	26.40	38.04	43.46	36.45	74.00	-37.55	peak
3	4367.058	7.13	33.60	38.18	43.48	46.03	74.00	-27.97	peak
4	8866.062	10.58	36.44	35.53	40.80	52.29	74.00	-21.71	peak
5	11650.000	12.35	38.25	35.53	37.86	52.93	74.00	-21.07	peak
6	pp17475.000	18.25	43.37	36.06	27.73	53.29	74.00	-20.71	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

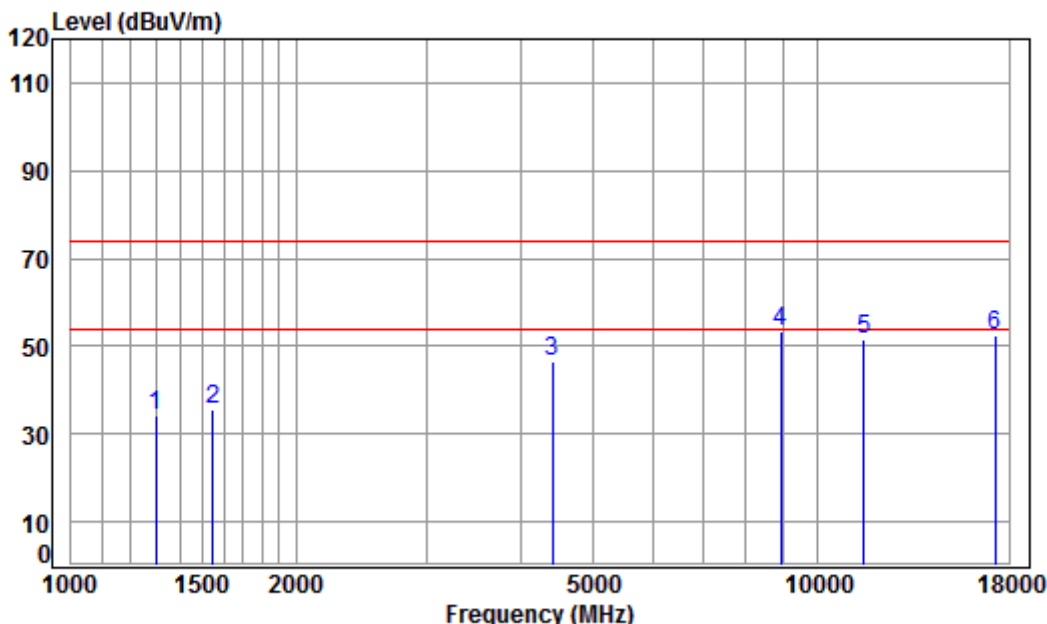
Mode: : 5825 TX RSE

: 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1122.563	3.96	24.08	38.09	44.21	34.16	74.00	-39.84	peak
2	1625.121	4.62	26.36	38.04	43.39	36.33	74.00	-37.67	peak
3	4367.058	7.13	33.60	38.18	43.77	46.32	74.00	-27.68	peak
4	8917.462	10.62	36.50	35.48	40.74	52.38	74.00	-21.62	peak
5	11650.000	12.35	38.25	35.53	37.41	52.48	74.00	-21.52	peak
6	pp17475.000	18.25	43.37	36.06	27.58	53.14	74.00	-20.86	peak



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

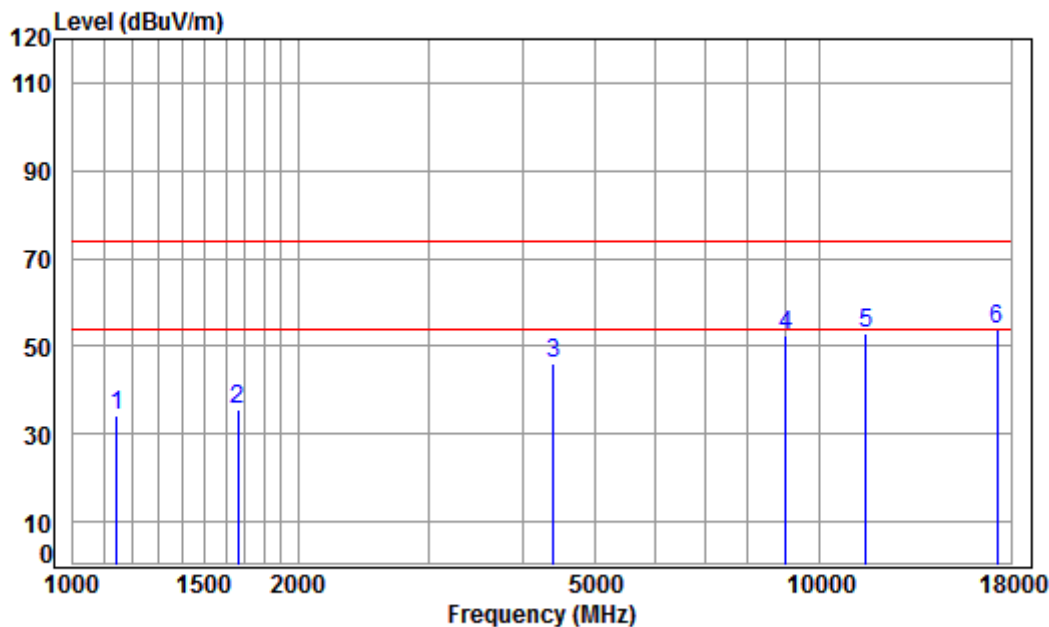


Condition: 3m HORIZONTAL  
Job No: : 05891CR\05892CR  
Mode: : 5755 TX RSE  
: 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.22	24.96	38.07	43.01	34.12	74.00	-39.88	peak
2	1547.199	4.53	26.02	38.05	43.30	35.80	74.00	-38.20	peak
3	4405.090	7.18	33.60	38.20	44.15	46.73	74.00	-27.27	peak
4 pp	8917.462	10.62	36.50	35.48	41.54	53.18	74.00	-20.82	peak
5	11510.000	12.33	38.11	35.50	36.41	51.35	74.00	-22.65	peak
6	17265.000	17.68	43.12	36.17	27.64	52.27	74.00	-21.73	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

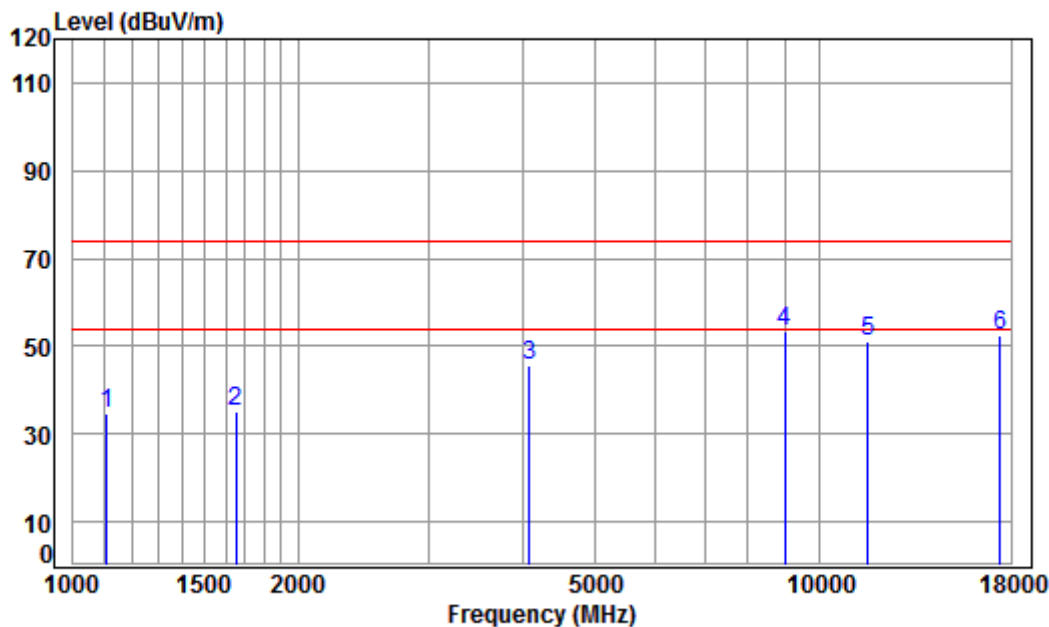
Mode: : 5755 TX RSE

: 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1145.507	4.00	24.20	38.09	43.95	34.06	74.00	-39.94	peak
2	1663.137	4.66	26.52	38.03	42.61	35.76	74.00	-38.24	peak
3	4392.376	7.16	33.60	38.20	43.49	46.05	74.00	-27.95	peak
4	8995.123	10.68	36.59	35.40	40.44	52.31	74.00	-21.69	peak
5	11510.000	12.33	38.11	35.50	38.22	53.16	74.00	-20.84	peak
6	pp17265.000	17.68	43.12	36.17	29.23	53.86	74.00	-20.14	peak



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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

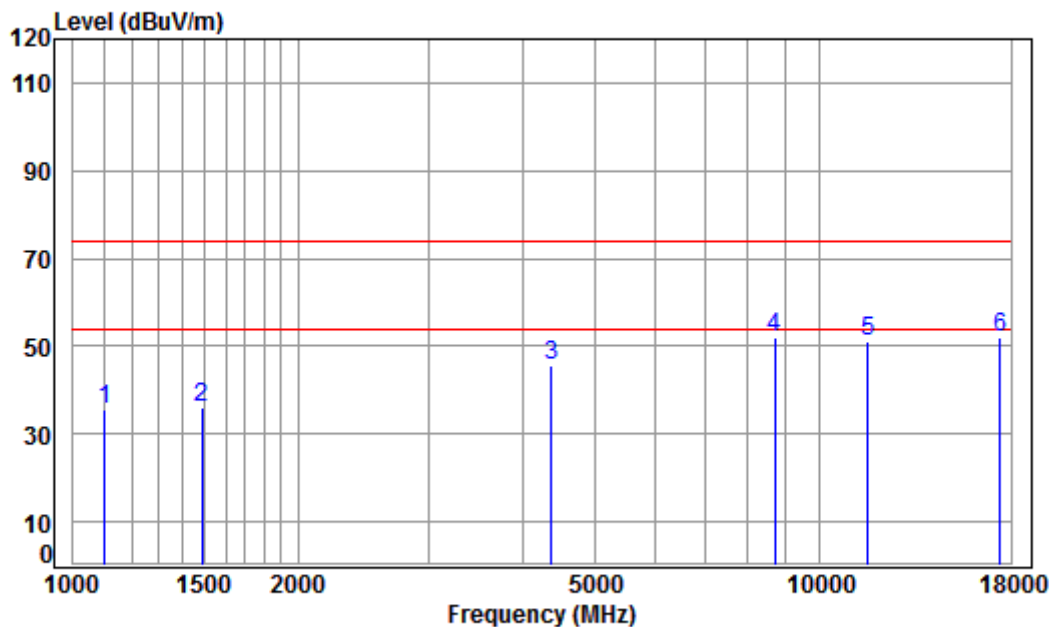
Mode: : 5795 TX RSE

: 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1109.660	3.94	24.02	38.09	44.96	34.83	74.00	-39.17	peak
2	1653.550	4.65	26.48	38.03	42.06	35.16	74.00	-38.84	peak
3	4086.182	6.80	33.60	38.04	43.21	45.57	74.00	-28.43	peak
4 pp	8969.161	10.66	36.56	35.43	41.72	53.51	74.00	-20.49	peak
5	11590.000	12.34	38.19	35.52	36.20	51.21	74.00	-22.79	peak
6	17385.000	18.01	43.26	36.11	27.10	52.26	74.00	-21.74	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

Mode: : 5795 TX RSE

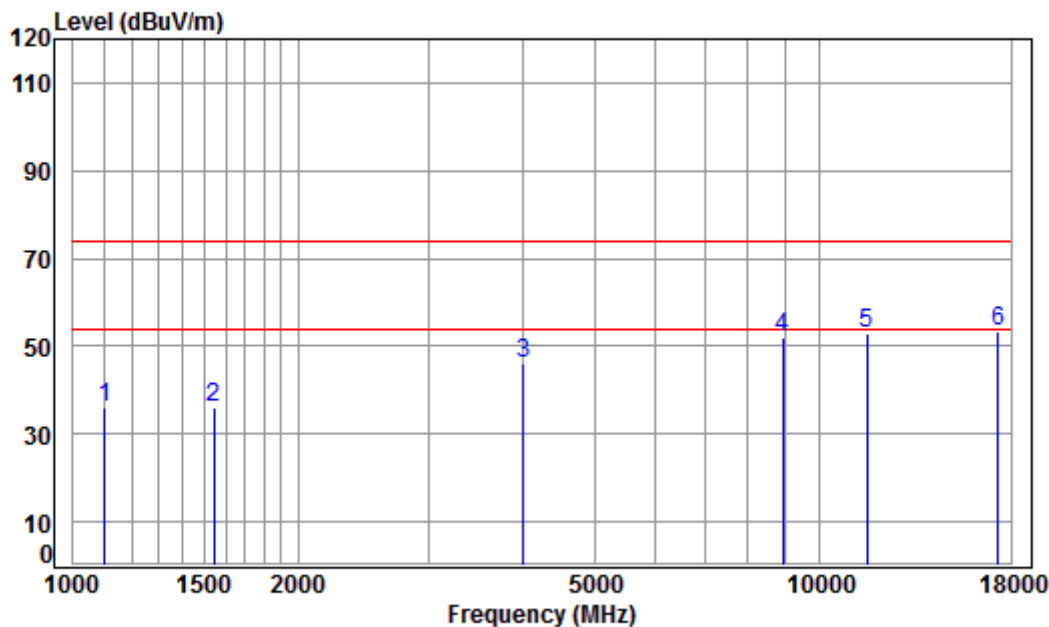
: 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	45.87	35.69	74.00	-38.31	peak
2	1485.841	4.45	25.74	38.05	43.74	35.88	74.00	-38.12	peak
3	4367.058	7.13	33.60	38.18	43.28	45.83	74.00	-28.17	peak
4	8688.480	10.45	36.23	35.71	40.95	51.92	74.00	-22.08	peak
5	11590.000	12.34	38.19	35.52	36.11	51.12	74.00	-22.88	peak
6	pp17385.000	18.01	43.26	36.11	26.85	52.01	74.00	-21.99	peak





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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

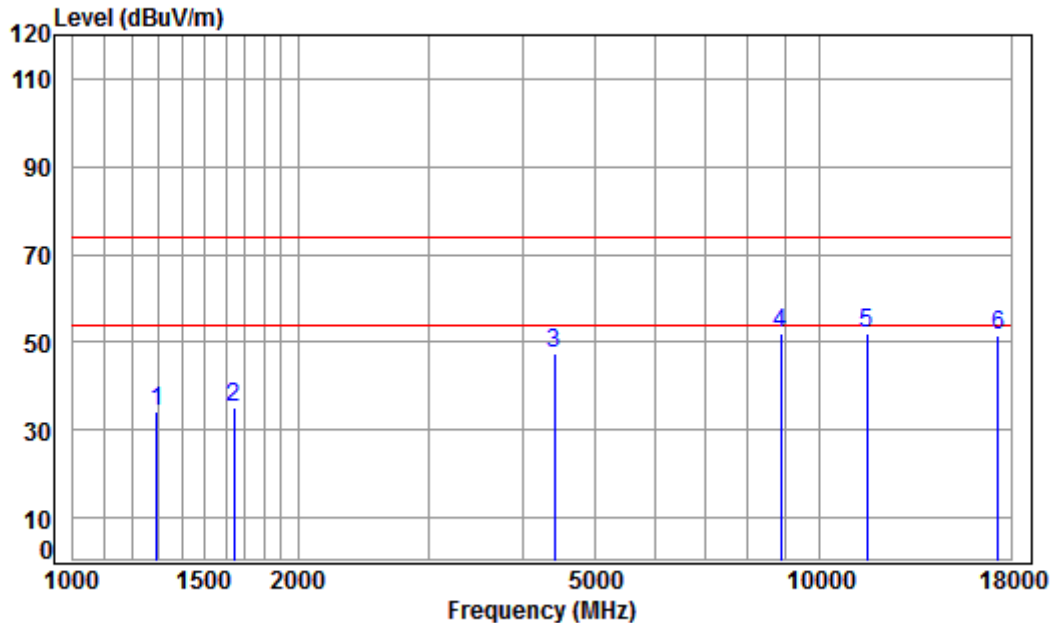
Mode: : 5775 TX RSE

: 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	46.04	35.86	74.00	-38.14	peak
2	1542.733	4.52	26.00	38.05	43.52	35.99	74.00	-38.01	peak
3	4004.339	6.71	33.60	38.00	43.92	46.23	74.00	-27.77	peak
4	8917.462	10.62	36.50	35.48	40.36	52.00	74.00	-22.00	peak
5	11550.000	12.34	38.15	35.51	37.95	52.93	74.00	-21.07	peak
6	pp17325.000	17.84	43.19	36.14	28.36	53.25	74.00	-20.75	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

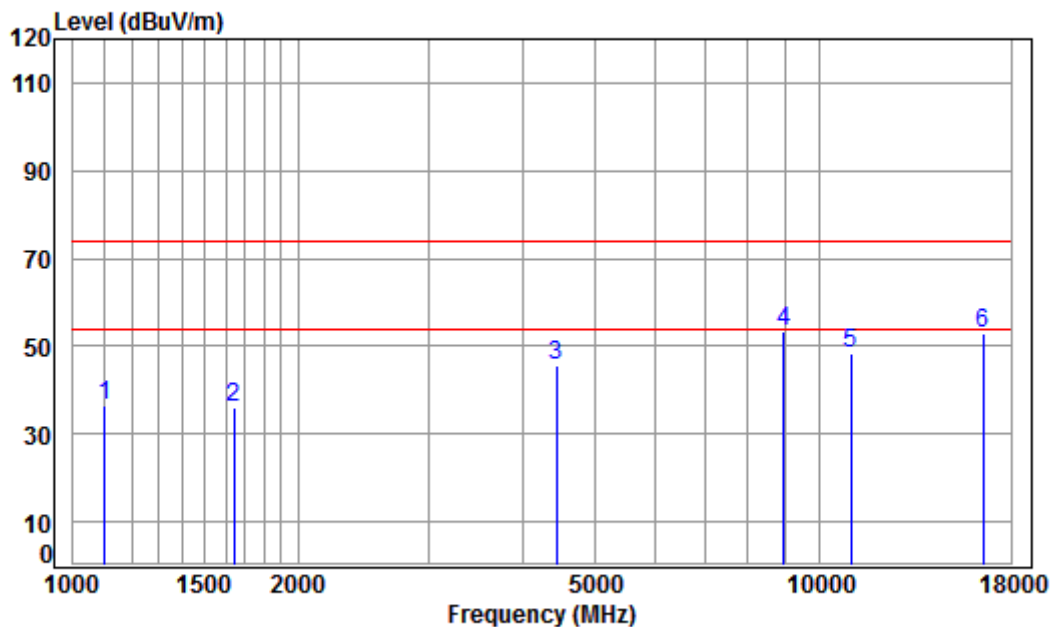
Mode: : 5775 TX RSE

: 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1293.359	4.21	24.92	38.07	43.16	34.22	74.00	-39.78	peak
2	1644.019	4.64	26.44	38.04	42.28	35.32	74.00	-38.68	peak
3	4405.090	7.18	33.60	38.20	45.10	47.68	74.00	-26.32	peak
4	8866.062	10.58	36.44	35.53	40.50	51.99	74.00	-22.01	peak
5	pp11550.000	12.34	38.15	35.51	37.17	52.15	74.00	-21.85	peak
6	17325.000	17.84	43.19	36.14	26.68	51.57	74.00	-22.43	peak



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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

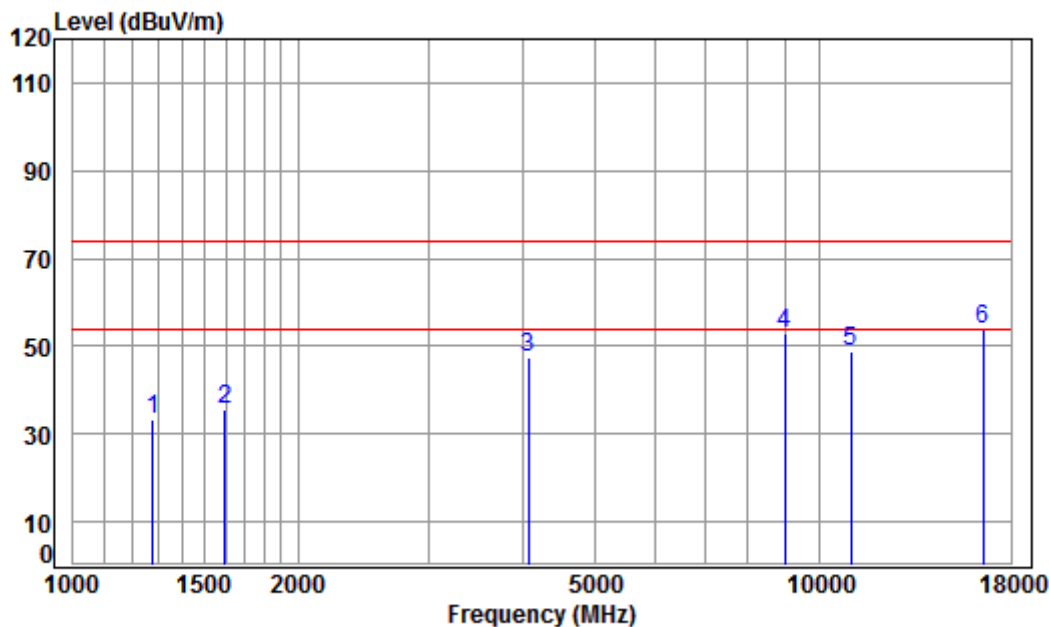
Mode: : 5500 TX RSE

: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	46.77	36.59	74.00	-37.41	peak
2	1644.019	4.64	26.44	38.04	42.98	36.02	74.00	-37.98	peak
3	4430.628	7.20	33.60	38.22	43.26	45.84	74.00	-28.16	peak
4 pp	8943.274	10.64	36.53	35.46	41.58	53.29	74.00	-20.71	peak
5	11000.000	12.26	37.70	35.40	34.00	48.56	74.00	-25.44	peak
6	16500.000	16.03	42.70	37.05	31.19	52.87	74.00	-21.13	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

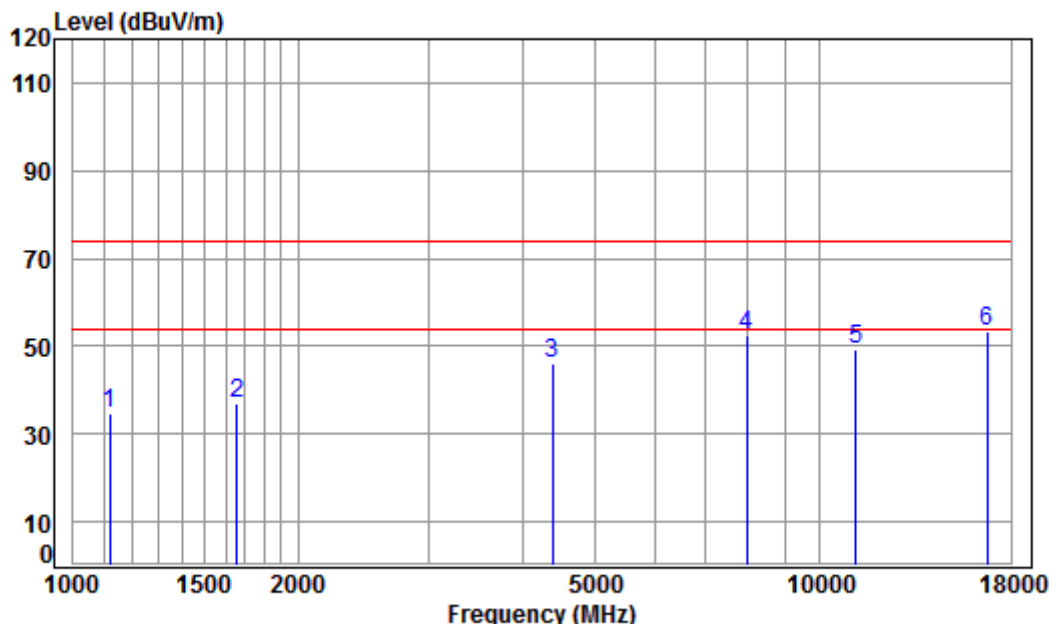
Mode: : 5500 TX RSE

: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1278.492	4.19	24.85	38.07	42.52	33.49	74.00	-40.51	peak
2	1597.181	4.59	26.24	38.04	42.73	35.52	74.00	-38.48	peak
3	4074.388	6.79	33.60	38.04	44.91	47.26	74.00	-26.74	peak
4	8969.161	10.66	36.56	35.43	41.15	52.94	74.00	-21.06	peak
5	11000.000	12.26	37.70	35.40	34.43	48.99	74.00	-25.01	peak
6	16500.000	16.03	42.70	37.05	32.09	53.77	74.00	-20.23	peak



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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

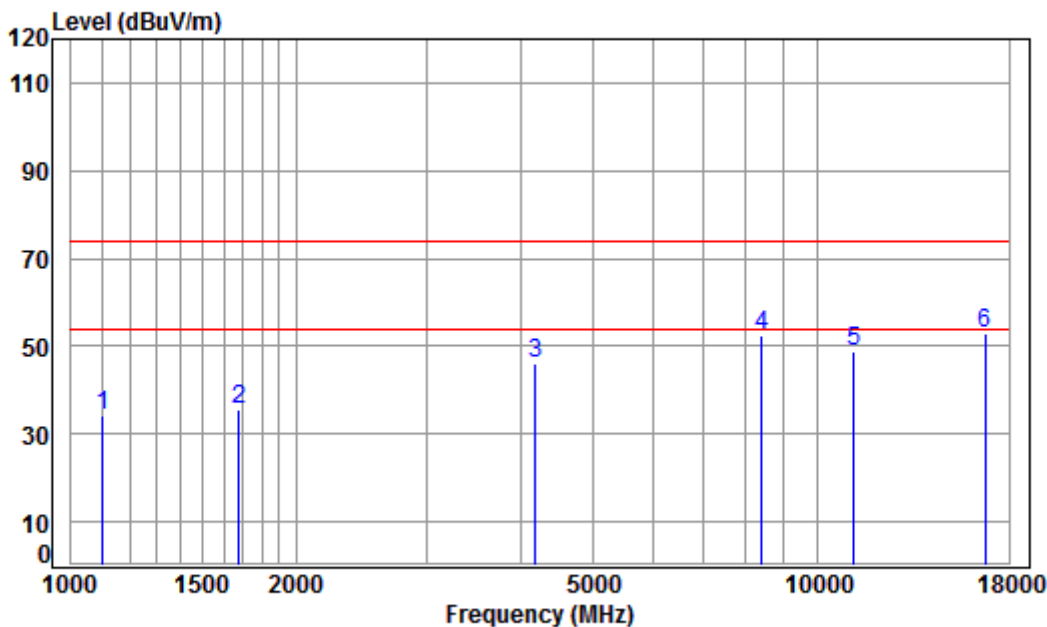
Mode: : 5580 TX RSE

: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1119.323	3.96	24.07	38.09	44.69	34.63	74.00	-39.37	peak
2	1658.337	4.66	26.50	38.03	43.71	36.84	74.00	-37.16	peak
3	4379.699	7.15	33.60	38.19	43.52	46.08	74.00	-27.92	peak
4	7966.832	10.03	36.58	36.43	42.39	52.57	74.00	-21.43	peak
5	11160.000	12.28	37.83	35.43	34.61	49.29	74.00	-24.71	peak
6	pp16740.000	16.48	42.75	36.69	30.95	53.49	74.00	-20.51	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

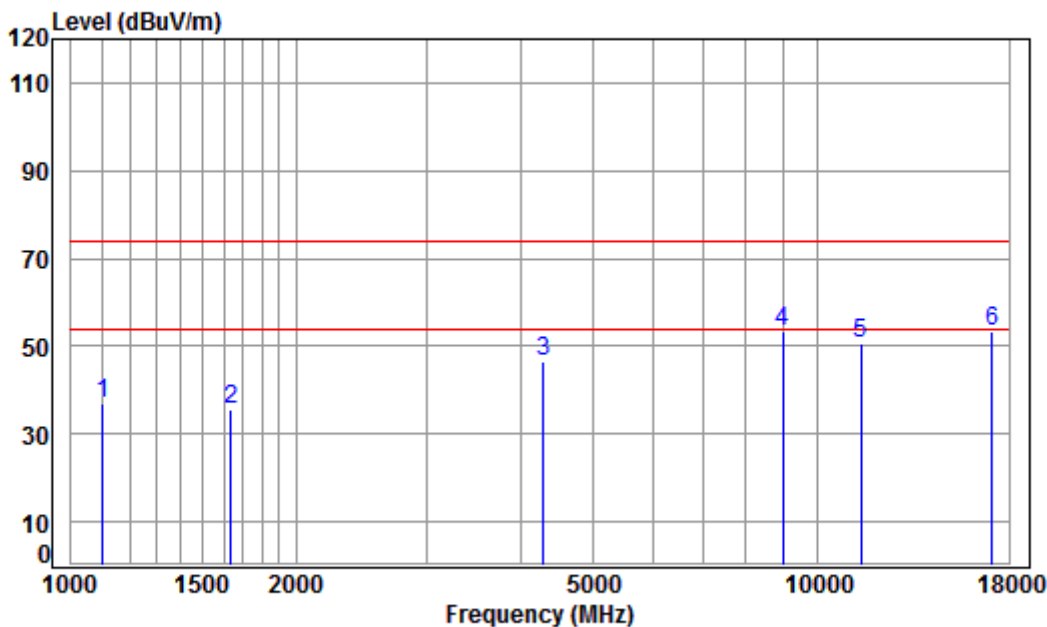
Mode: : 5580 TX RSE

: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	44.48	34.30	74.00	-39.70	peak
2	1677.621	4.68	26.58	38.03	42.49	35.72	74.00	-38.28	peak
3	4181.768	6.92	33.60	38.09	43.55	45.98	74.00	-28.02	peak
4	8416.584	10.27	36.10	35.98	41.90	52.29	74.00	-21.71	peak
5	11160.000	12.28	37.83	35.43	34.26	48.94	74.00	-25.06	peak
6	pp16740.000	16.48	42.75	36.69	30.54	53.08	74.00	-20.92	peak



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

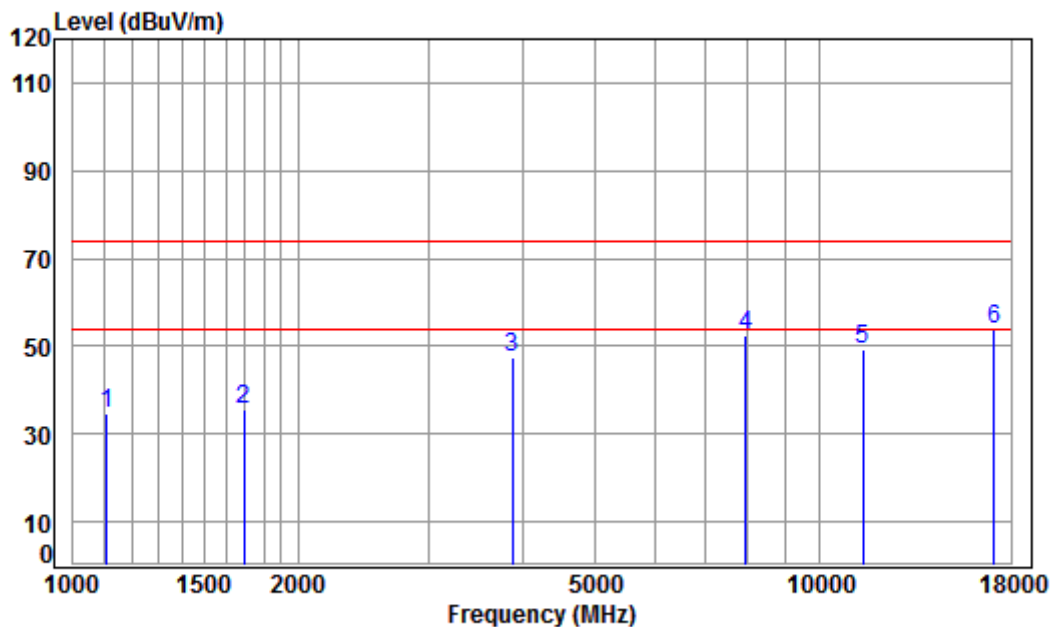


Condition: 3m HORIZONTAL  
Job No: : 05891CR\05892CR  
Mode: : 5700 TX RSE  
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	47.09	36.91	74.00	-37.09	peak
2	1639.274	4.64	26.42	38.04	42.66	35.68	74.00	-38.32	peak
3	4291.977	7.05	33.60	38.15	44.22	46.72	74.00	-27.28	peak
4 pp	8969.161	10.66	36.56	35.43	41.64	53.43	74.00	-20.57	peak
5	11400.000	12.32	38.02	35.48	35.58	50.44	74.00	-23.56	peak
6	17100.000	17.23	42.92	36.25	29.37	53.27	74.00	-20.73	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

Mode: : 5700 TX RSE

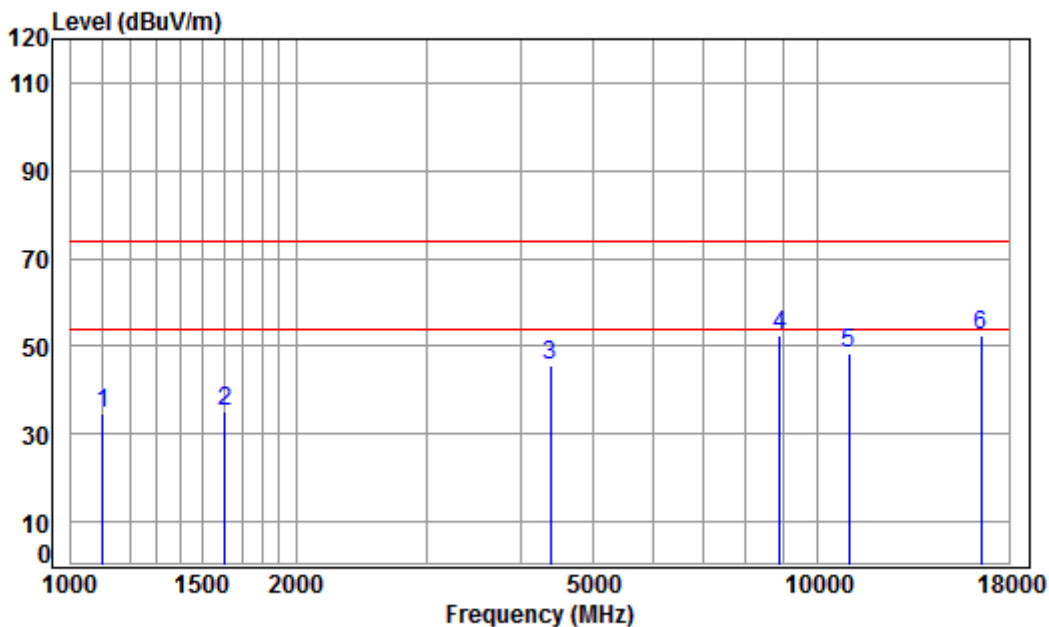
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1109.660	3.94	24.02	38.09	44.77	34.64	74.00	-39.36	peak
2	1692.231	4.70	26.64	38.03	42.48	35.79	74.00	-38.21	peak
3	3867.831	6.60	33.25	37.99	45.68	47.54	74.00	-26.46	peak
4	7943.838	10.02	36.57	36.45	42.23	52.37	74.00	-21.63	peak
5	11400.000	12.32	38.02	35.48	34.32	49.18	74.00	-24.82	peak
6	pp17100.000	17.23	42.92	36.25	30.07	53.97	74.00	-20.03	peak





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

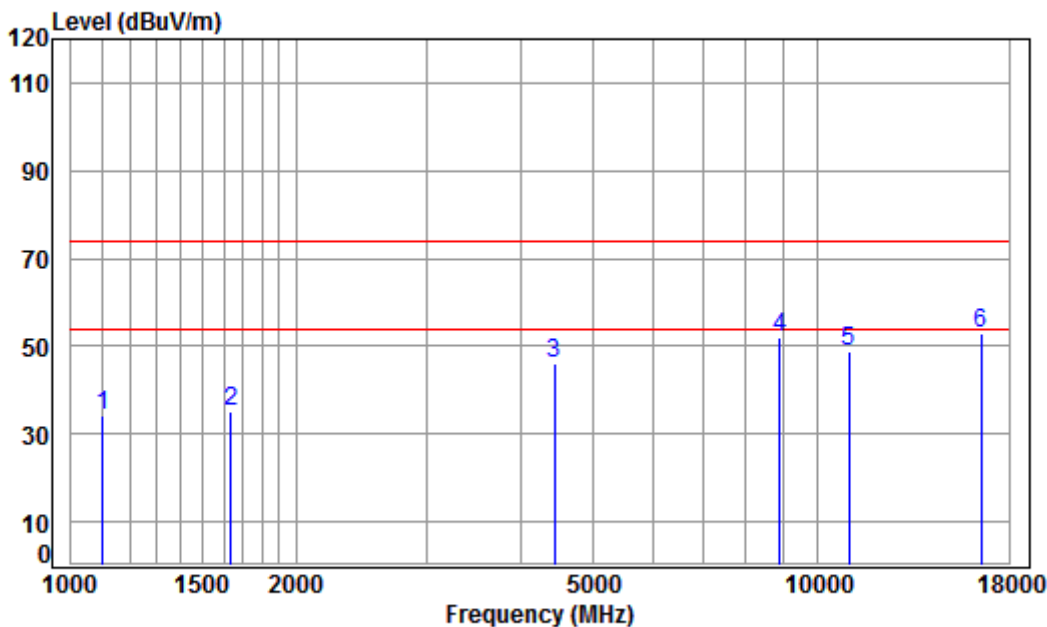


Condition: 3m HORIZONTAL  
Job No: : 05891CR\05892CR  
Mode: : 5500 TX RSE  
: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	44.67	34.49	74.00	-39.51	peak
2	1606.441	4.60	26.28	38.04	42.49	35.33	74.00	-38.67	peak
3	4379.699	7.15	33.60	38.19	43.02	45.58	74.00	-28.42	peak
4 pp	8891.725	10.60	36.47	35.51	41.04	52.60	74.00	-21.40	peak
5	11000.000	12.26	37.70	35.40	33.68	48.24	74.00	-25.76	peak
6	16500.000	16.03	42.70	37.05	30.70	52.38	74.00	-21.62	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

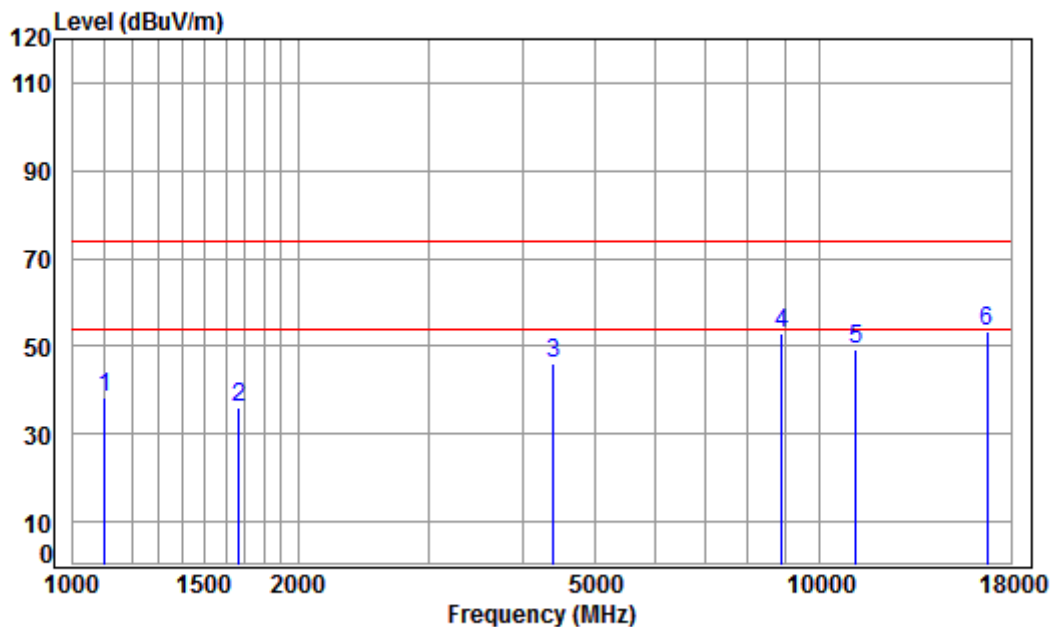
Mode: : 5500 TX RSE

: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	44.44	34.26	74.00	-39.74	peak
2	1639.274	4.64	26.42	38.04	41.94	34.96	74.00	-39.04	peak
3	4443.453	7.22	33.60	38.22	43.27	45.87	74.00	-28.13	peak
4	8891.725	10.60	36.47	35.51	40.53	52.09	74.00	-21.91	peak
5	11000.000	12.26	37.70	35.40	34.13	48.69	74.00	-25.31	peak
6	16500.000	16.03	42.70	37.05	31.17	52.85	74.00	-21.15	peak



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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

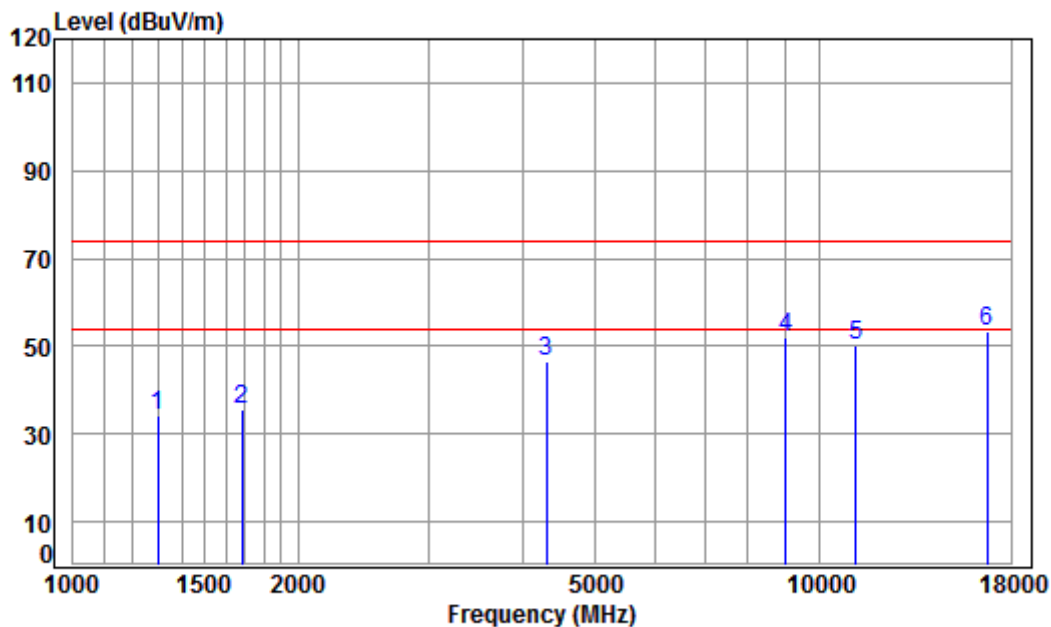
Mode: : 5580 TX RSE

: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	48.57	38.39	74.00	-35.61	peak
2	1667.951	4.67	26.54	38.03	42.95	36.13	74.00	-37.87	peak
3	4392.376	7.16	33.60	38.20	43.73	46.29	74.00	-27.71	peak
4	8891.725	10.60	36.47	35.51	41.36	52.92	74.00	-21.08	peak
5	11160.000	12.28	37.83	35.43	34.82	49.50	74.00	-24.50	peak
6	pp16740.000	16.48	42.75	36.69	30.90	53.44	74.00	-20.56	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

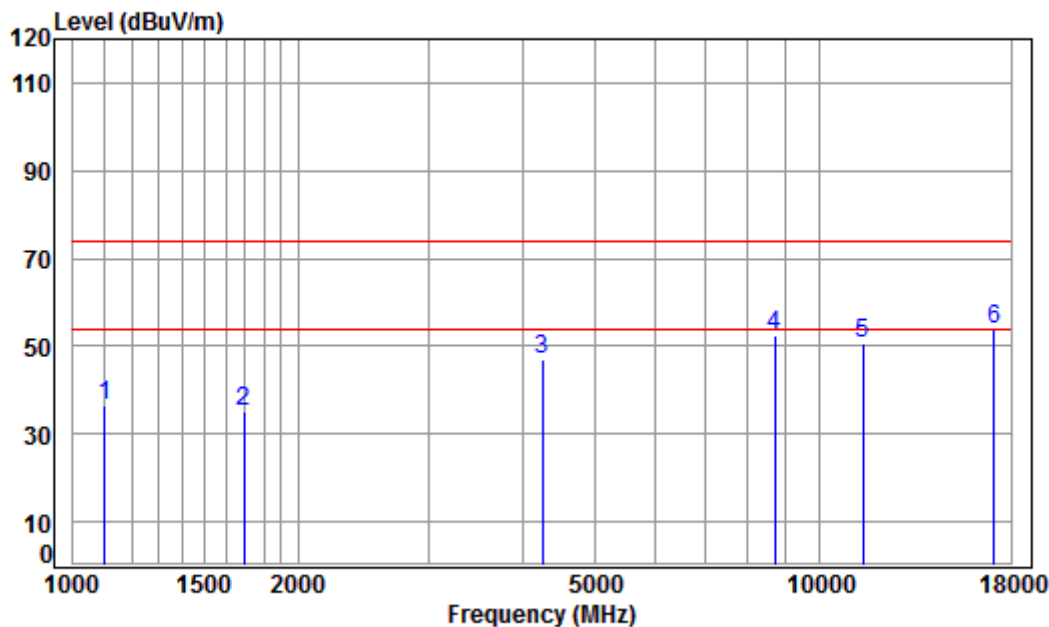
Mode: : 5580 TX RSE

: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.22	24.96	38.07	43.32	34.43	74.00	-39.57	peak
2	1682.477	4.69	26.60	38.03	42.42	35.68	74.00	-38.32	peak
3	4304.400	7.06	33.60	38.15	43.83	46.34	74.00	-27.66	peak
4	8995.123	10.68	36.59	35.40	40.07	51.94	74.00	-22.06	peak
5	11160.000	12.28	37.83	35.43	35.73	50.41	74.00	-23.59	peak
6	pp16740.000	16.48	42.75	36.69	30.64	53.18	74.00	-20.82	peak



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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

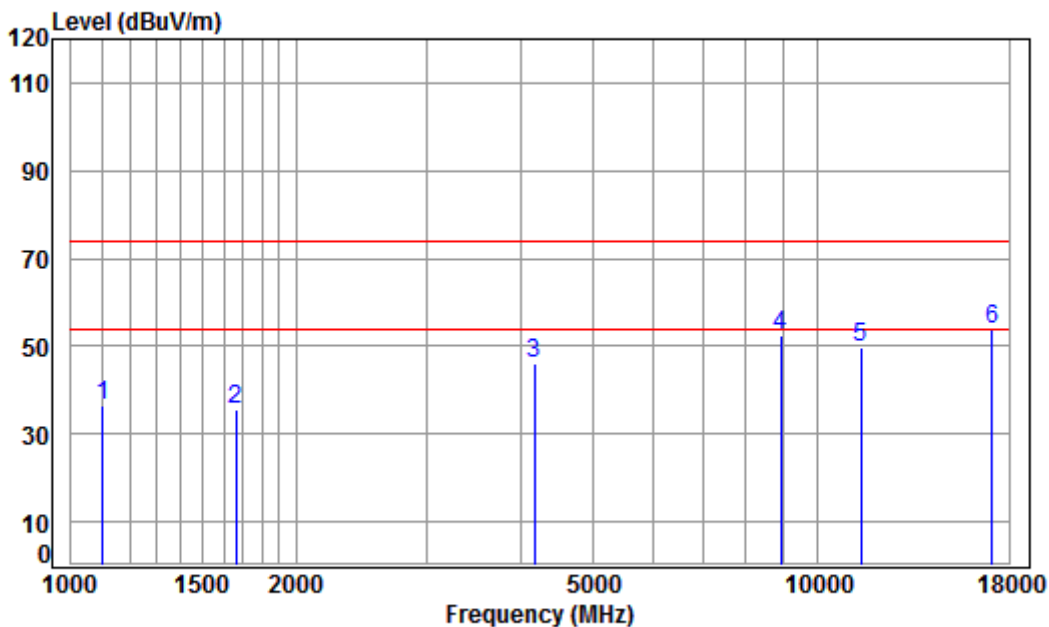
Mode: : 5700 TX RSE

: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	46.69	36.51	74.00	-37.49	peak
2	1692.231	4.70	26.64	38.03	41.99	35.30	74.00	-38.70	peak
3	4242.641	6.99	33.60	38.12	44.54	47.01	74.00	-26.99	peak
4	8688.480	10.45	36.23	35.71	41.40	52.37	74.00	-21.63	peak
5	11400.000	12.32	38.02	35.48	35.89	50.75	74.00	-23.25	peak
6	17100.000	17.23	42.92	36.25	29.85	53.75	74.00	-20.25	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

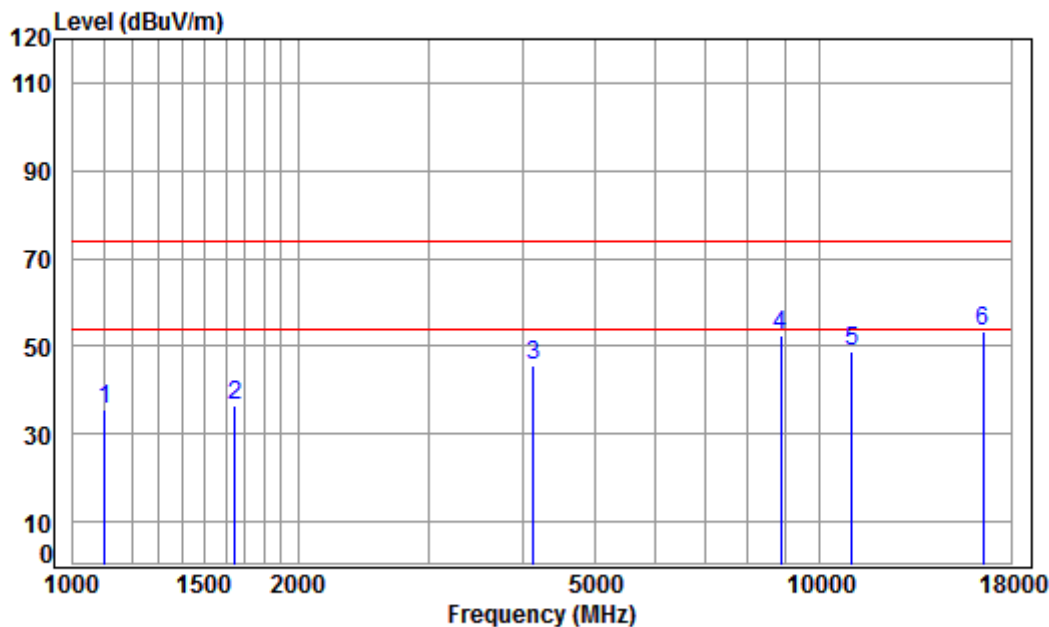
Mode: : 5700 TX RSE

: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	46.49	36.31	74.00	-37.69	peak
2	1663.137	4.66	26.52	38.03	42.53	35.68	74.00	-38.32	peak
3	4169.698	6.90	33.60	38.08	43.87	46.29	74.00	-27.71	peak
4	8917.462	10.62	36.50	35.48	40.65	52.29	74.00	-21.71	peak
5	11400.000	12.32	38.02	35.48	34.79	49.65	74.00	-24.35	peak
6	17100.000	17.23	42.92	36.25	29.85	53.75	74.00	-20.25	peak



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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

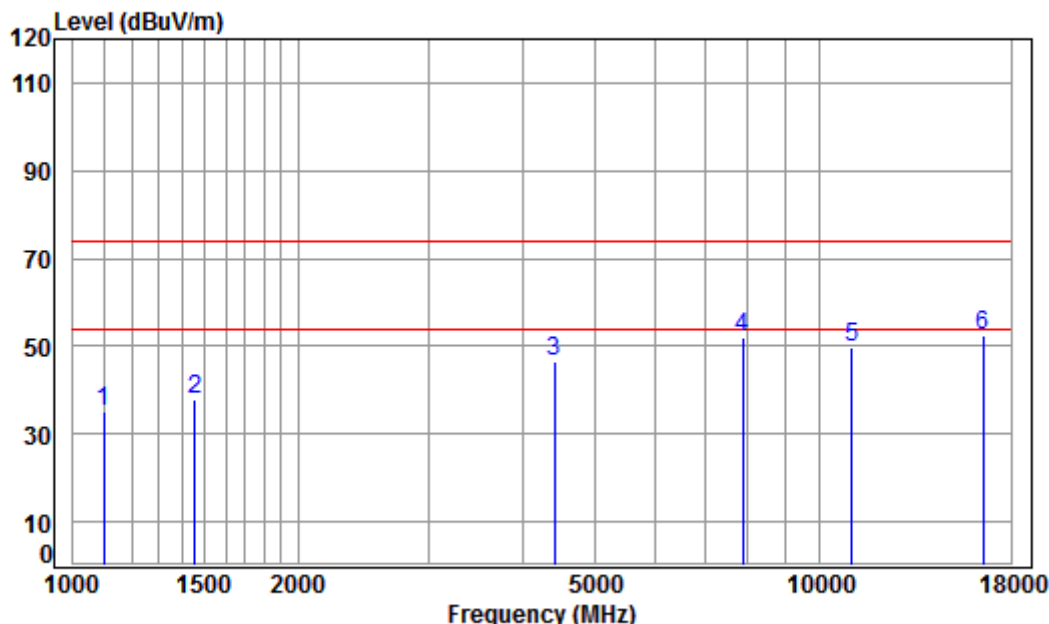
Mode: : 5510 TX RSE

: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	45.97	35.79	74.00	-38.21	peak
2	1648.778	4.65	26.46	38.04	43.30	36.37	74.00	-37.63	peak
3	4133.699	6.86	33.60	38.07	43.30	45.69	74.00	-28.31	peak
4	8866.062	10.58	36.44	35.53	40.98	52.47	74.00	-21.53	peak
5	11020.000	12.26	37.72	35.40	34.36	48.94	74.00	-25.06	peak
6	pp16530.000	16.09	42.71	37.01	31.72	53.51	74.00	-20.49	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

Mode: : 5510 TX RSE

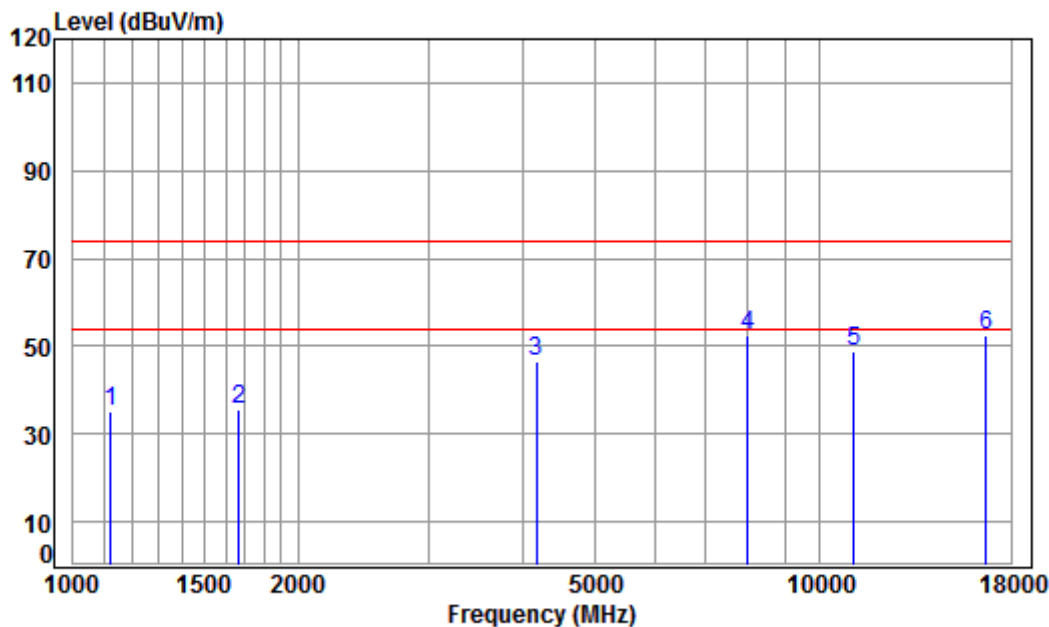
: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1100.079	3.93	23.96	38.09	45.25	35.05	74.00	-38.95	peak
2	1456.081	4.42	25.62	38.05	45.67	37.66	74.00	-36.34	peak
3	4405.090	7.18	33.60	38.20	43.88	46.46	74.00	-27.54	peak
4	7875.254	9.99	36.53	36.51	41.90	51.91	74.00	-22.09	peak
5	11020.000	12.26	37.72	35.40	34.95	49.53	74.00	-24.47	peak
6	16530.000	16.09	42.71	37.01	30.89	52.68	74.00	-21.32	peak





Mode:g; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:40MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

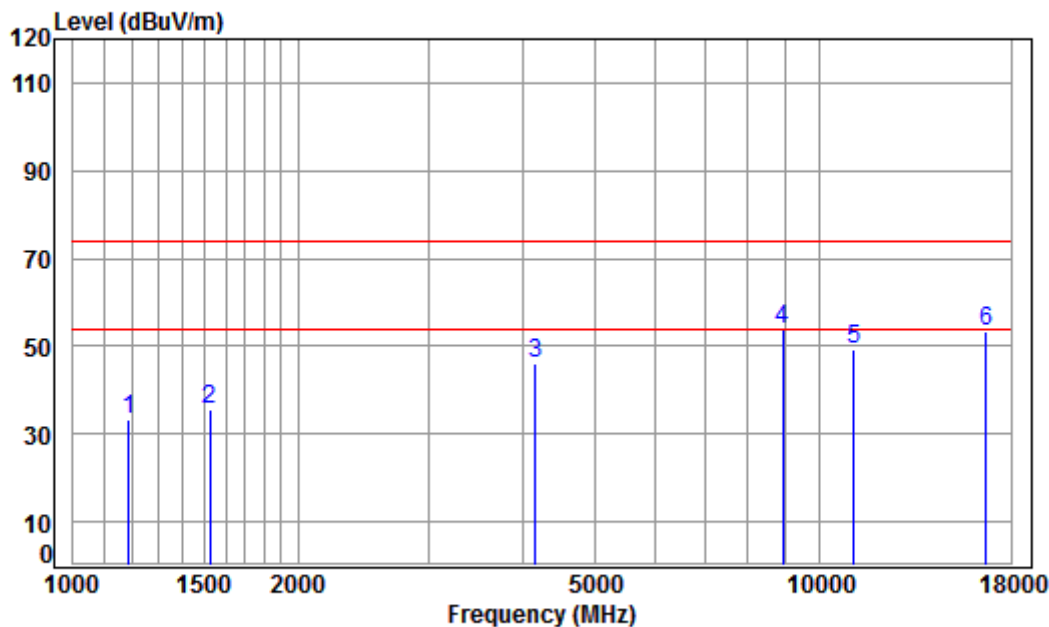
Mode: : 5550 TX RSE

: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1122.563	3.96	24.08	38.09	45.29	35.24	74.00	-38.76	peak
2	1667.951	4.67	26.54	38.03	42.27	35.45	74.00	-38.55	peak
3	4169.698	6.90	33.60	38.08	44.08	46.50	74.00	-27.50	peak
4	7989.893	10.04	36.59	36.41	42.20	52.42	74.00	-21.58	peak
5	11100.000	12.27	37.78	35.42	34.26	48.89	74.00	-25.11	peak
6	pp16650.000	16.31	42.73	36.83	30.24	52.45	74.00	-21.55	peak



Mode:g; Polarization:Vertical; Modulation Type:802.11n; bandwidth:40MHz; Channel:middle



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

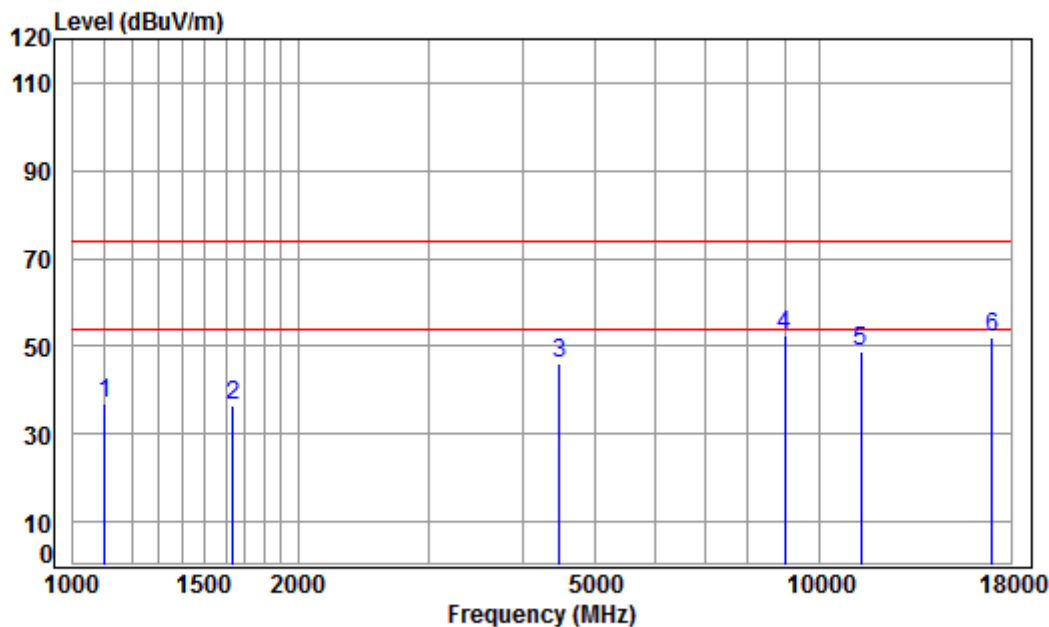
Mode: : 5550 TX RSE

: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1189.368	4.06	24.43	38.08	43.04	33.45	74.00	-40.55	peak
2	1525.000	4.50	25.91	38.05	43.15	35.51	74.00	-38.49	peak
3	4157.664	6.89	33.60	38.08	43.50	45.91	74.00	-28.09	peak
4 pp	8917.462	10.62	36.50	35.48	42.35	53.99	74.00	-20.01	peak
5	11100.000	12.27	37.78	35.42	34.84	49.47	74.00	-24.53	peak
6	16650.000	16.31	42.73	36.83	31.00	53.21	74.00	-20.79	peak



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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

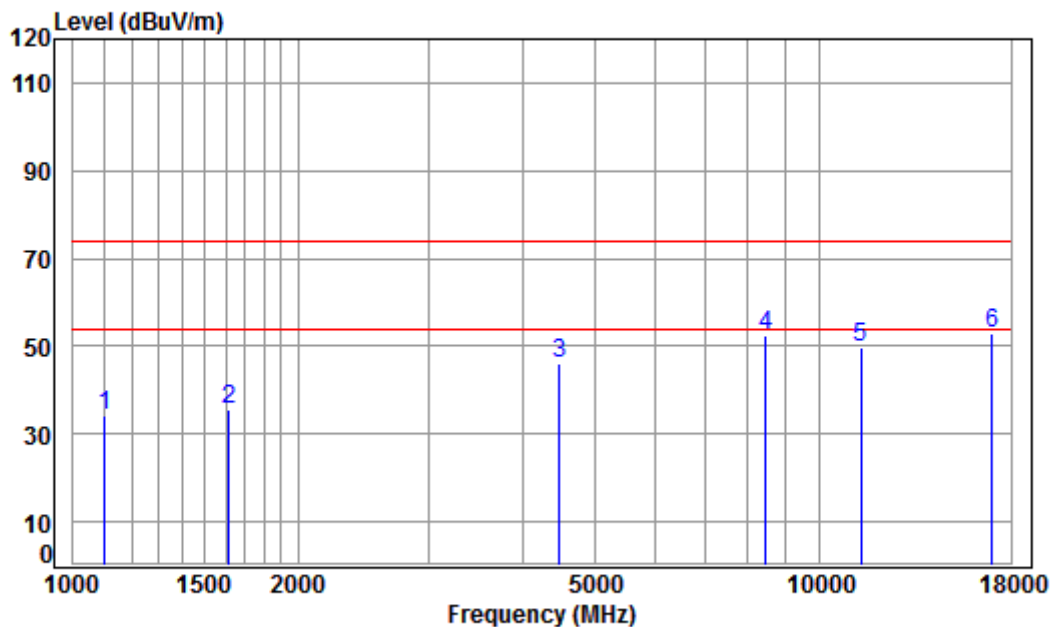
Mode: : 5670 TX RSE

: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	47.16	36.98	74.00	-37.02	peak
2	1639.274	4.64	26.42	38.04	43.29	36.31	74.00	-37.69	peak
3	4482.150	7.26	33.60	38.24	43.32	45.94	74.00	-28.06	peak
4 pp	8969.161	10.66	36.56	35.43	40.71	52.50	74.00	-21.50	peak
5	11340.000	12.31	37.97	35.47	34.09	48.90	74.00	-25.10	peak
6	17010.000	16.99	42.81	36.29	28.56	52.07	74.00	-21.93	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

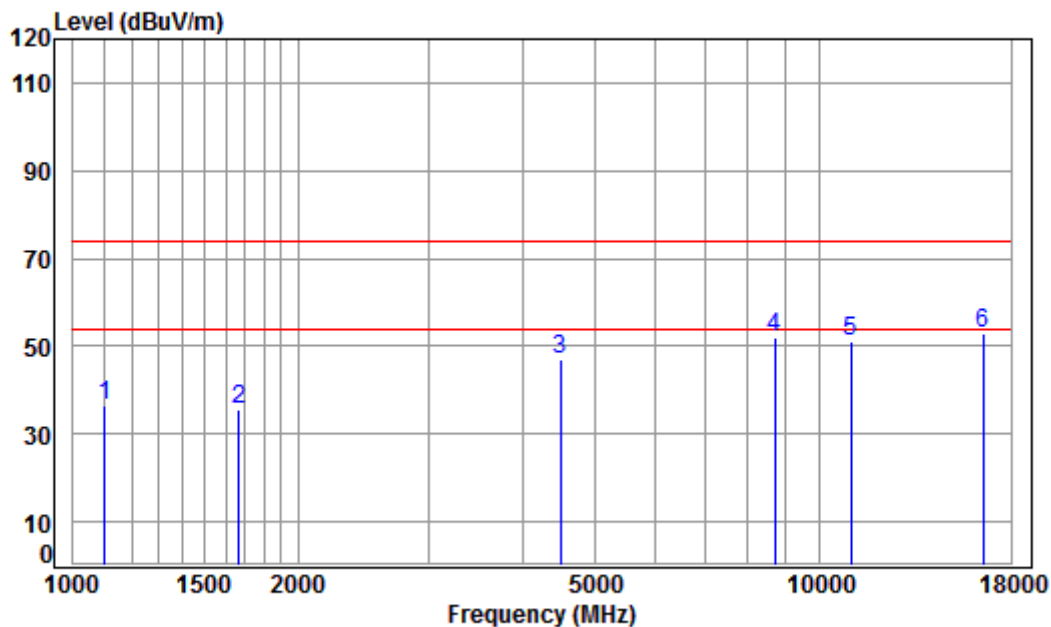
Mode: : 5670 TX RSE

: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	44.32	34.14	74.00	-39.86	peak
2	1615.754	4.61	26.32	38.04	42.69	35.58	74.00	-38.42	peak
3	4482.150	7.26	33.60	38.24	43.68	46.30	74.00	-27.70	peak
4	8465.379	10.29	36.04	35.93	42.17	52.57	74.00	-21.43	peak
5	11340.000	12.31	37.97	35.47	34.80	49.61	74.00	-24.39	peak
6	pp17010.000	16.99	42.81	36.29	29.54	53.05	74.00	-20.95	peak



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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

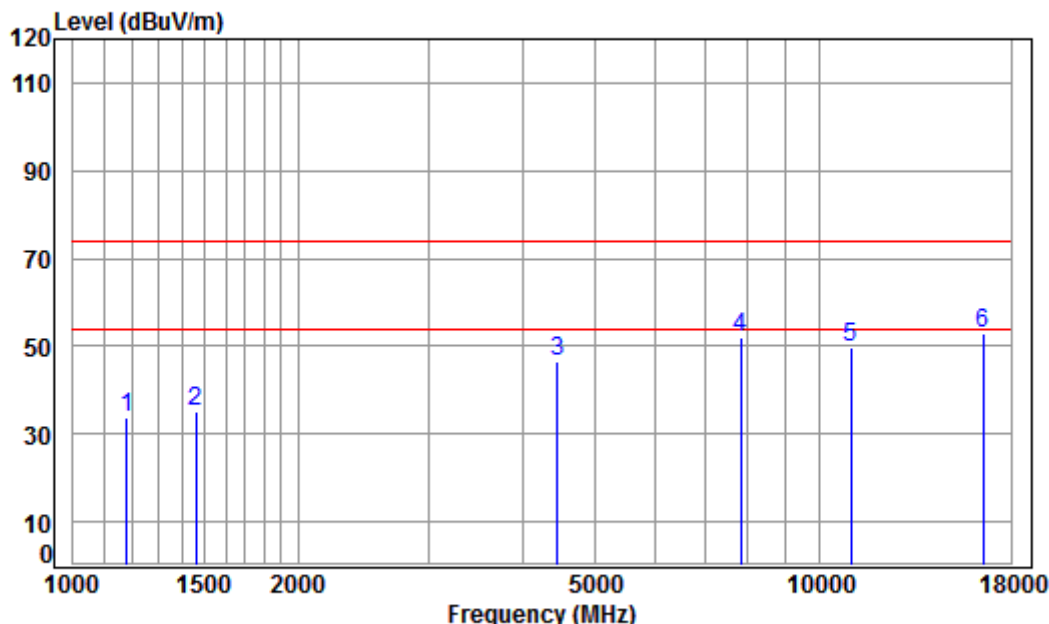
Mode: : 5500 TX RSE

: 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	46.80	36.62	74.00	-37.38	peak
2	1667.951	4.67	26.54	38.03	42.58	35.76	74.00	-38.24	peak
3	4495.125	7.27	33.60	38.25	44.22	46.84	74.00	-27.16	peak
4	8688.480	10.45	36.23	35.71	40.88	51.85	74.00	-22.15	peak
5	11000.000	12.26	37.70	35.40	36.60	51.16	74.00	-22.84	peak
6	16500.000	16.03	42.70	37.05	31.25	52.93	74.00	-21.07	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

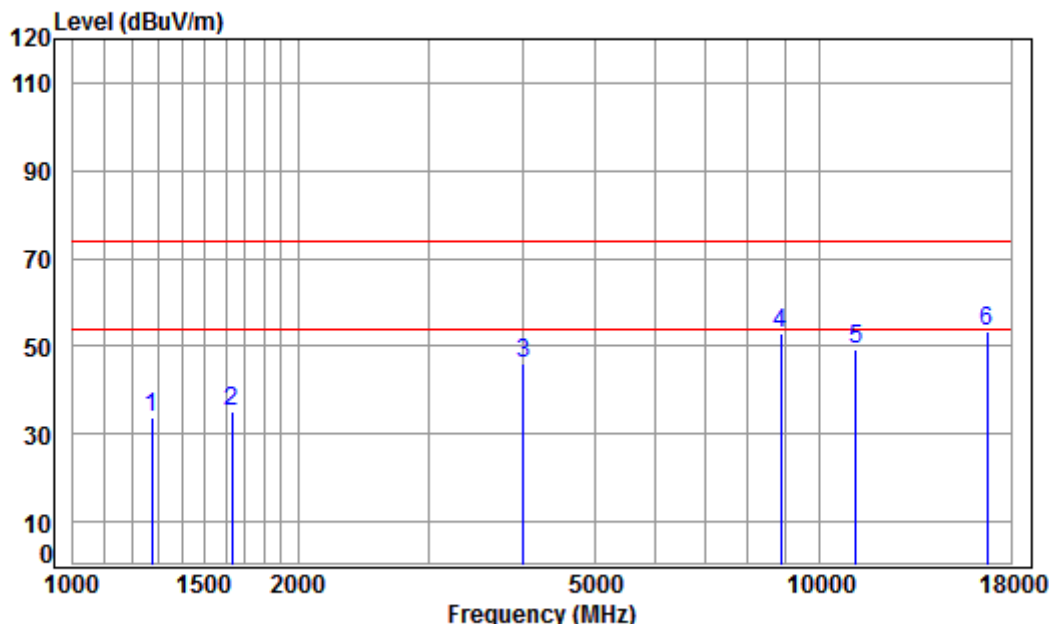
Mode: : 5500 TX RSE

: 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1179.100	4.05	24.38	38.08	43.30	33.65	74.00	-40.35	peak
2	1460.295	4.42	25.64	38.05	43.10	35.11	74.00	-38.89	peak
3	4456.315	7.23	33.60	38.23	43.90	46.50	74.00	-27.50	peak
4	7829.860	9.98	36.50	36.55	42.24	52.17	74.00	-21.83	peak
5	11000.000	12.26	37.70	35.40	35.33	49.89	74.00	-24.11	peak
6	pp16500.000	16.03	42.70	37.05	31.06	52.74	74.00	-21.26	peak



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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

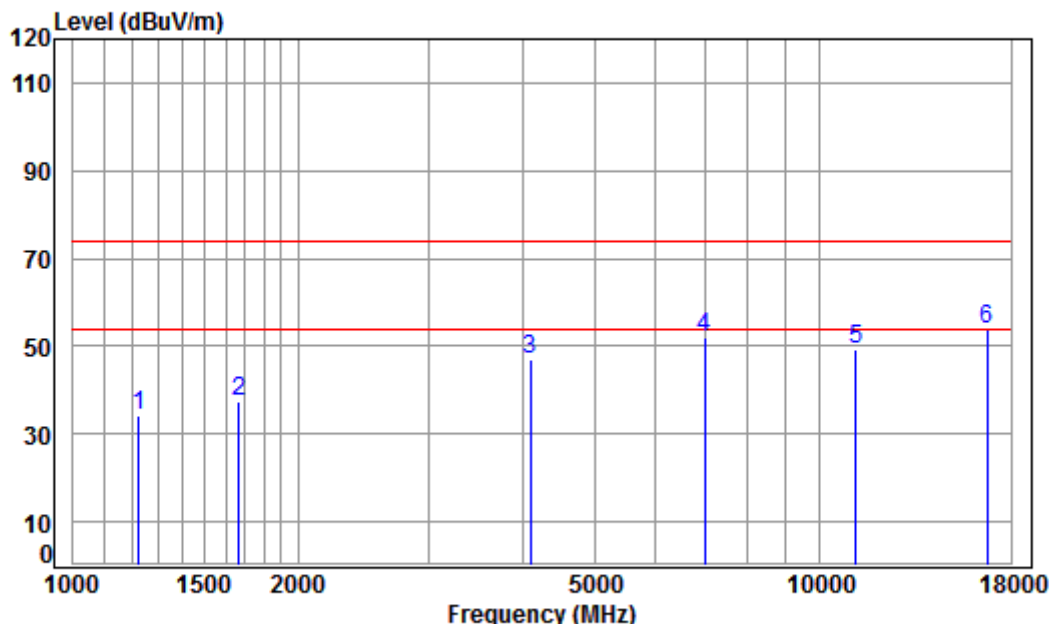
Mode: : 5580 TX RSE

: 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1274.802	4.19	24.84	38.07	42.84	33.80	74.00	-40.20	peak
2	1629.825	4.63	26.38	38.04	42.06	35.03	74.00	-38.97	peak
3	4004.339	6.71	33.60	38.00	43.87	46.18	74.00	-27.82	peak
4	8866.062	10.58	36.44	35.53	41.46	52.95	74.00	-21.05	peak
5	11160.000	12.28	37.83	35.43	34.68	49.36	74.00	-24.64	peak
6	pp16740.000	16.48	42.75	36.69	31.00	53.54	74.00	-20.46	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

Mode: : 5580 TX RSE

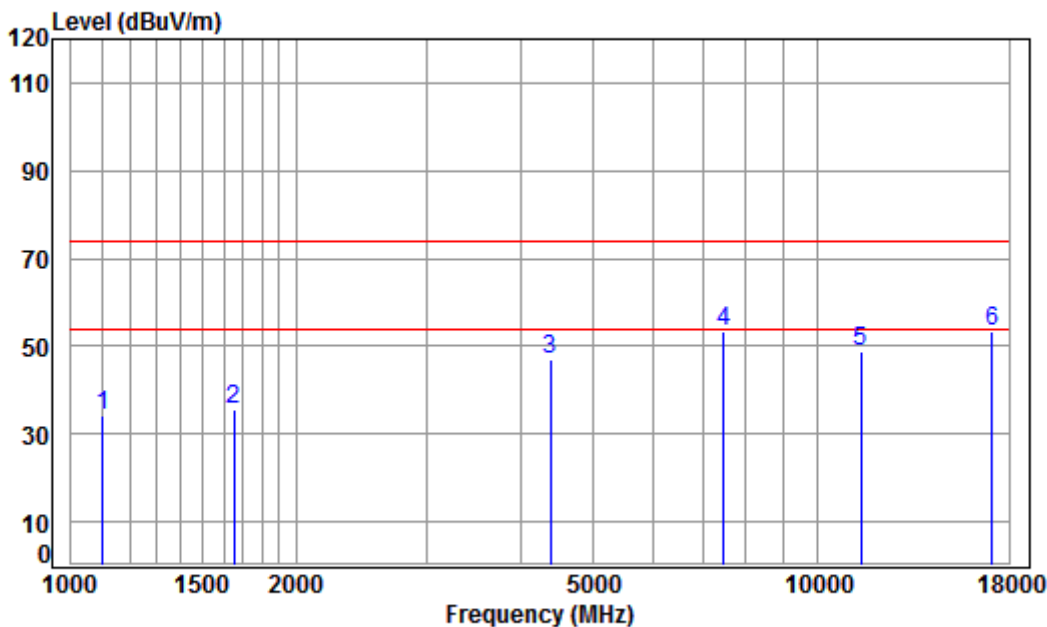
: 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1224.247	4.11	24.60	38.08	43.43	34.06	74.00	-39.94	peak
2	1667.951	4.67	26.54	38.03	44.31	37.49	74.00	-36.51	peak
3	4098.010	6.82	33.60	38.05	44.64	47.01	74.00	-26.99	peak
4	7015.420	9.52	36.49	37.29	43.31	52.03	74.00	-21.97	peak
5	11160.000	12.28	37.83	35.43	34.60	49.28	74.00	-24.72	peak
6	pp16740.000	16.48	42.75	36.69	31.39	53.93	74.00	-20.07	peak





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

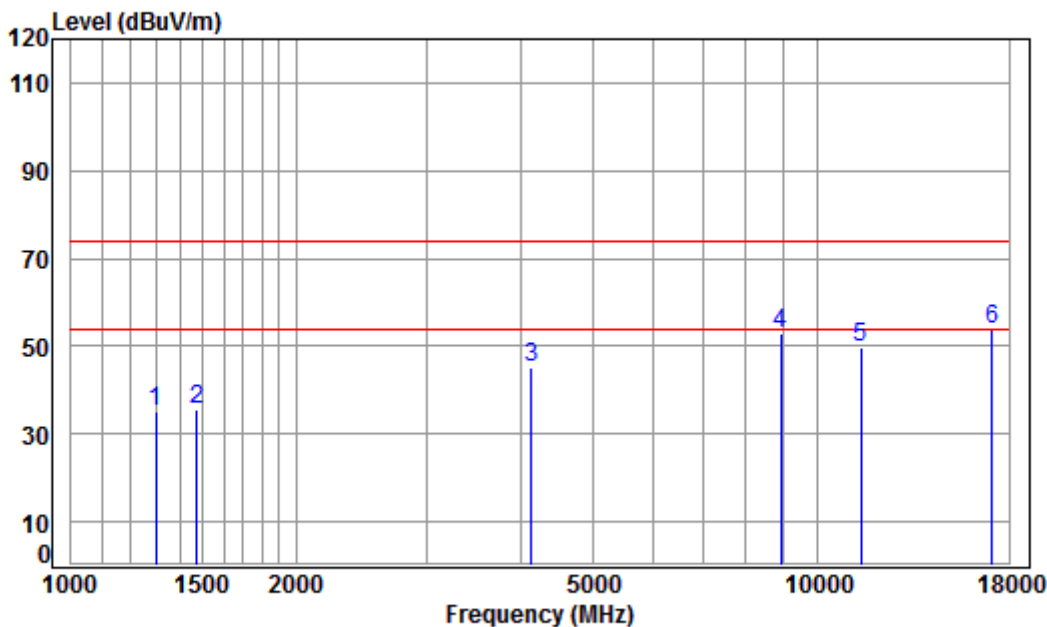


Condition: 3m HORIZONTAL  
Job No: : 05891CR\05892CR  
Mode: : 5700 TX RSE  
: 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	44.42	34.24	74.00	-39.76	peak
2	1653.550	4.65	26.48	38.03	42.31	35.41	74.00	-38.59	peak
3	4379.699	7.15	33.60	38.19	44.55	47.11	74.00	-26.89	peak
4	7476.006	9.83	36.31	36.87	43.93	53.20	74.00	-20.80	peak
5	11400.000	12.32	38.02	35.48	34.15	49.01	74.00	-24.99	peak
6	pp17100.000	17.23	42.92	36.25	29.63	53.53	74.00	-20.47	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

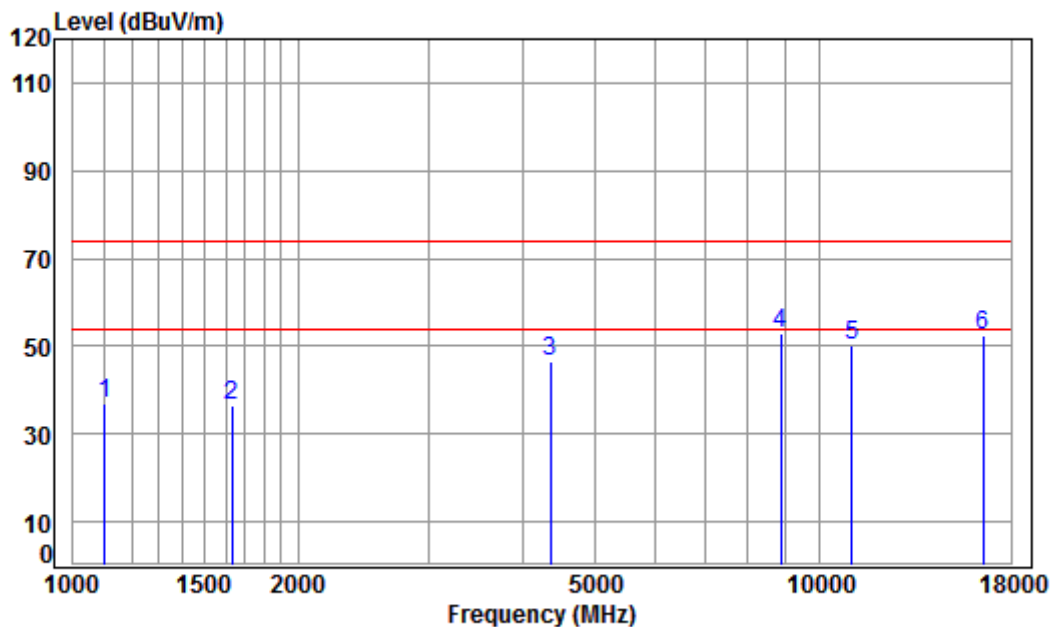
Mode: : 5700 TX RSE

: 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.22	24.96	38.07	44.12	35.23	74.00	-38.77	peak
2	1473.013	4.44	25.69	38.05	43.52	35.60	74.00	-38.40	peak
3	4133.699	6.86	33.60	38.07	42.80	45.19	74.00	-28.81	peak
4	8917.462	10.62	36.50	35.48	41.27	52.91	74.00	-21.09	peak
5	11400.000	12.32	38.02	35.48	34.99	49.85	74.00	-24.15	peak
6	17100.000	17.23	42.92	36.25	29.74	53.64	74.00	-20.36	peak



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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

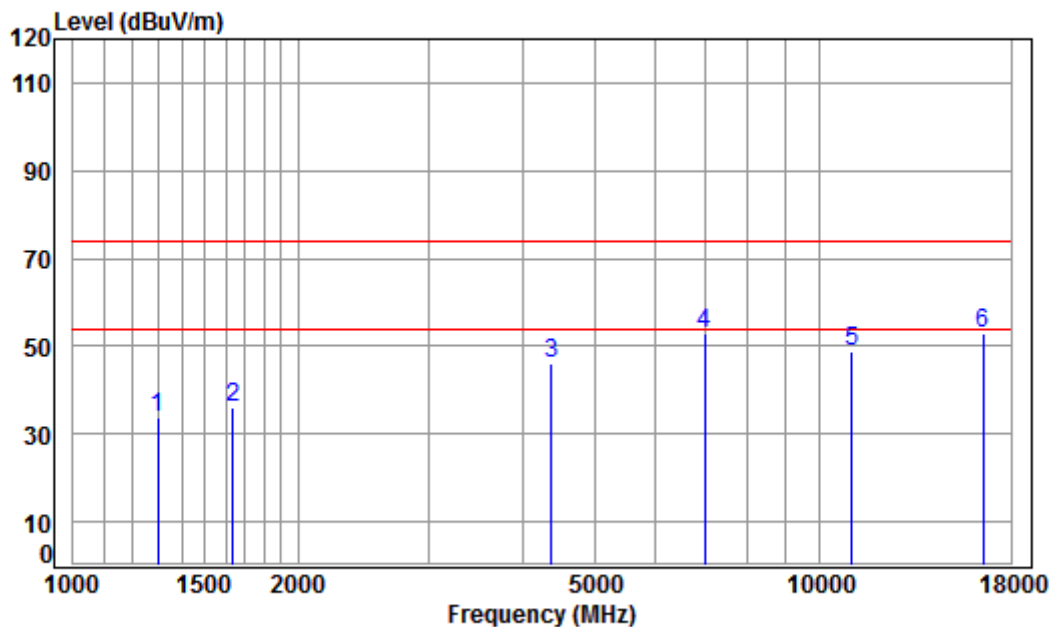
Mode: : 5510 TX RSE

: 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	46.92	36.74	74.00	-37.26	peak
2	1634.543	4.63	26.40	38.04	43.32	36.31	74.00	-37.69	peak
3	4354.454	7.12	33.60	38.18	44.05	46.59	74.00	-27.41	peak
4 pp	8866.062	10.58	36.44	35.53	41.39	52.88	74.00	-21.12	peak
5	11020.000	12.26	37.72	35.40	35.69	50.27	74.00	-23.73	peak
6	16530.000	16.09	42.71	37.01	30.81	52.60	74.00	-21.40	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

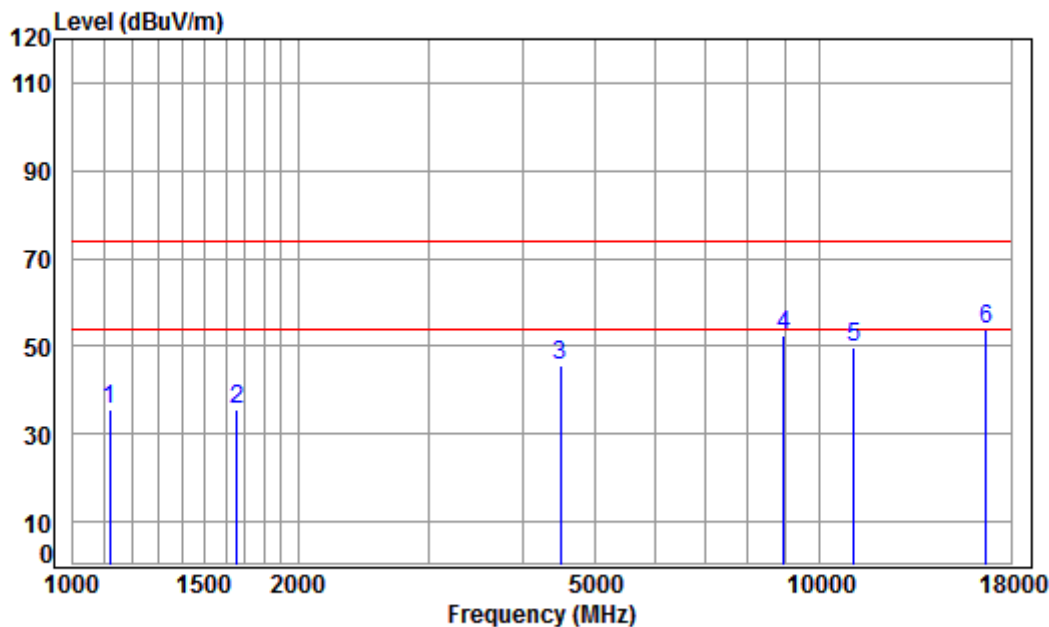
Mode: : 5510 TX RSE

: 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1297.103	4.22	24.94	38.07	42.70	33.79	74.00	-40.21	peak
2	1639.274	4.64	26.42	38.04	43.00	36.02	74.00	-37.98	peak
3	4367.058	7.13	33.60	38.18	43.38	45.93	74.00	-28.07	peak
4	7015.420	9.52	36.49	37.29	44.00	52.72	74.00	-21.28	peak
5	11020.000	12.26	37.72	35.40	34.15	48.73	74.00	-25.27	peak
6	pp16530.000	16.09	42.71	37.01	31.14	52.93	74.00	-21.07	peak



Mode:g; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:40MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

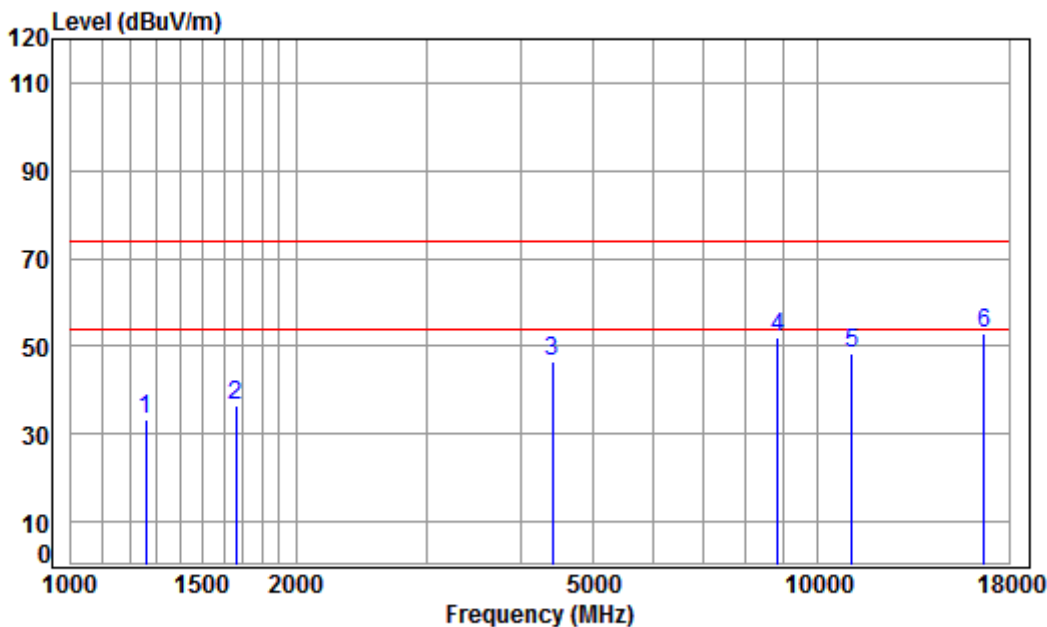
Mode: : 5550 TX RSE

: 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1119.323	3.96	24.07	38.09	45.44	35.38	74.00	-38.62	peak
2	1658.337	4.66	26.50	38.03	42.60	35.73	74.00	-38.27	peak
3	4495.125	7.27	33.60	38.25	43.21	45.83	74.00	-28.17	peak
4	8943.274	10.64	36.53	35.46	40.74	52.45	74.00	-21.55	peak
5	11100.000	12.27	37.78	35.42	34.95	49.58	74.00	-24.42	peak
6	pp16650.000	16.31	42.73	36.83	31.53	53.74	74.00	-20.26	peak



Mode:g; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:40MHz; Channel:middle



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

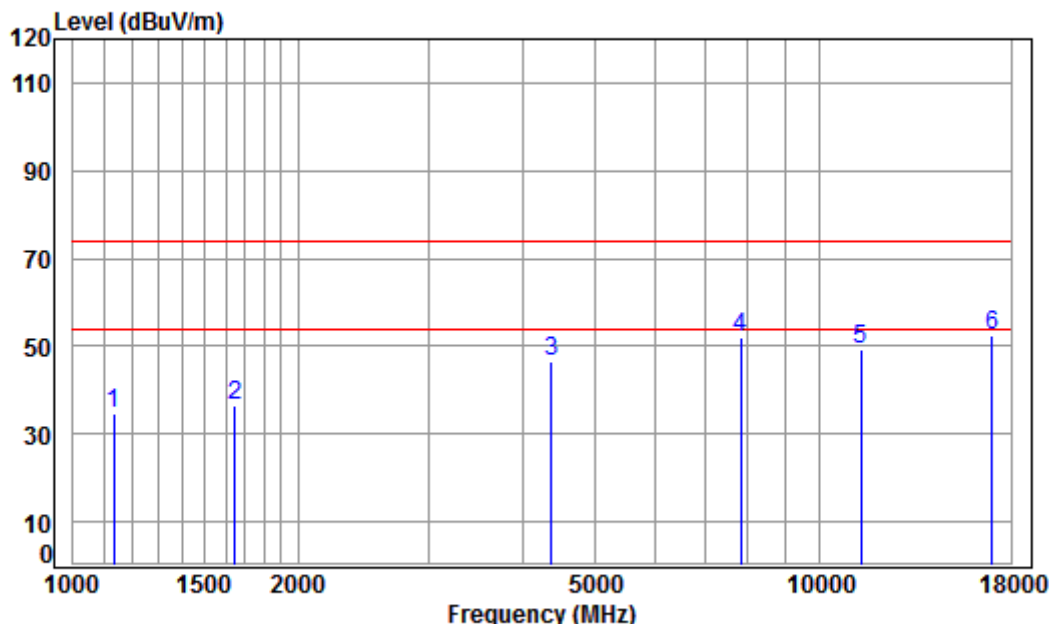
Mode: : 5550 TX RSE

: 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1260.149	4.16	24.77	38.07	42.60	33.46	74.00	-40.54	peak
2	1663.137	4.66	26.52	38.03	43.38	36.53	74.00	-37.47	peak
3	4405.090	7.18	33.60	38.20	43.78	46.36	74.00	-27.64	peak
4	8840.473	10.56	36.41	35.56	40.67	52.08	74.00	-21.92	peak
5	11100.000	12.27	37.78	35.42	33.57	48.20	74.00	-25.80	peak
6	pp16650.000	16.31	42.73	36.83	30.71	52.92	74.00	-21.08	peak



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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

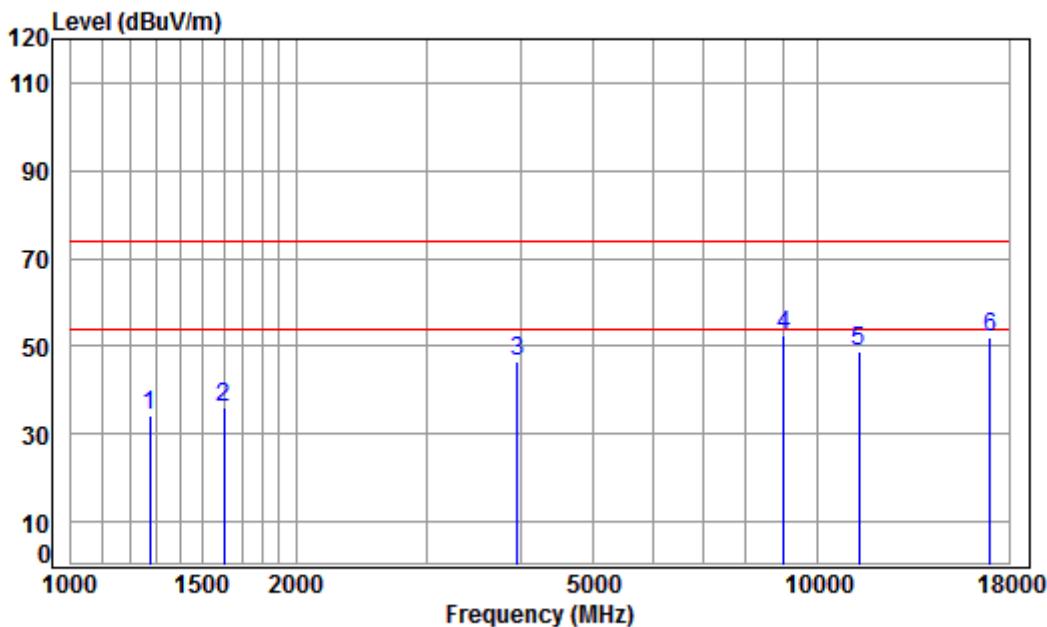
Mode: : 5670 TX RSE

: 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1132.340	3.98	24.14	38.09	44.80	34.83	74.00	-39.17	peak
2	1648.778	4.65	26.46	38.04	43.42	36.49	74.00	-37.51	peak
3	4367.058	7.13	33.60	38.18	44.14	46.69	74.00	-27.31	peak
4	7829.860	9.98	36.50	36.55	42.23	52.16	74.00	-21.84	peak
5	11340.000	12.31	37.97	35.47	34.32	49.13	74.00	-24.87	peak
6	pp17010.000	16.99	42.81	36.29	28.77	52.28	74.00	-21.72	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

Mode: : 5670 TX RSE

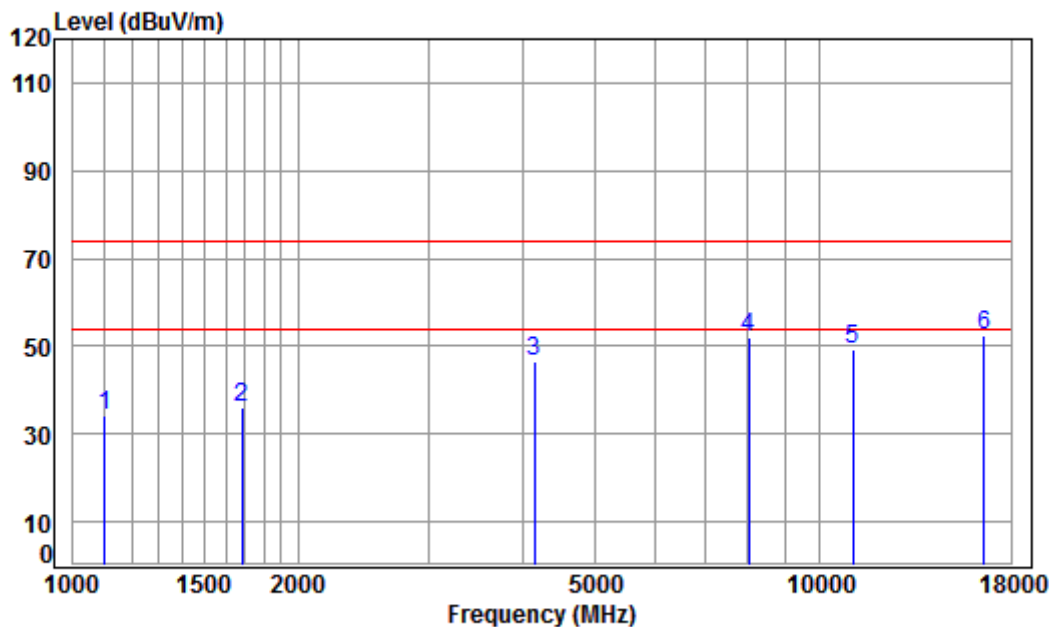
: 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1274.802	4.19	24.84	38.07	43.29	34.25	74.00	-39.75	peak
2	1601.804	4.59	26.26	38.04	43.36	36.17	74.00	-37.83	peak
3	3958.309	6.67	33.49	38.00	44.31	46.47	74.00	-27.53	peak
4 pp	8995.123	10.68	36.59	35.40	40.40	52.27	74.00	-21.73	peak
5	11340.000	12.31	37.97	35.47	34.12	48.93	74.00	-25.07	peak
6	17010.000	16.99	42.81	36.29	28.30	51.81	74.00	-22.19	peak





Mode:g; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:80MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

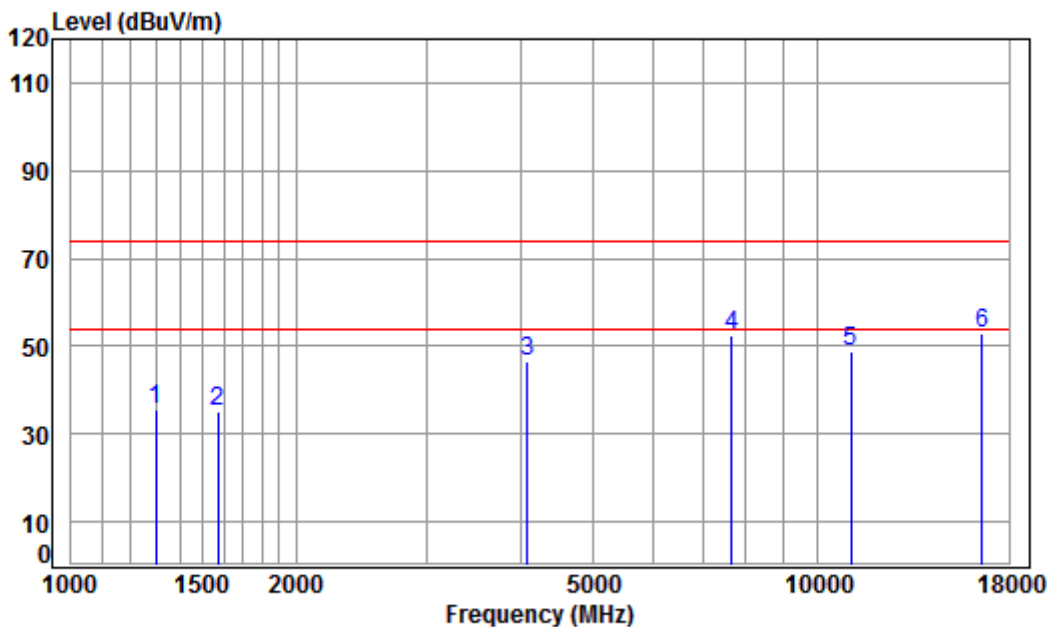
Mode: : 5530 TX RSE

: 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	44.51	34.33	74.00	-39.67	peak
2	1682.477	4.69	26.60	38.03	42.61	35.87	74.00	-38.13	peak
3	4145.664	6.88	33.60	38.07	44.19	46.60	74.00	-27.40	peak
4	8036.214	10.06	36.56	36.36	41.75	52.01	74.00	-21.99	peak
5	11060.000	12.27	37.75	35.41	34.62	49.23	74.00	-24.77	peak
6	pp16590.000	16.20	42.72	36.92	30.27	52.27	74.00	-21.73	peak



Mode:g; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:80MHz; Channel:Low



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

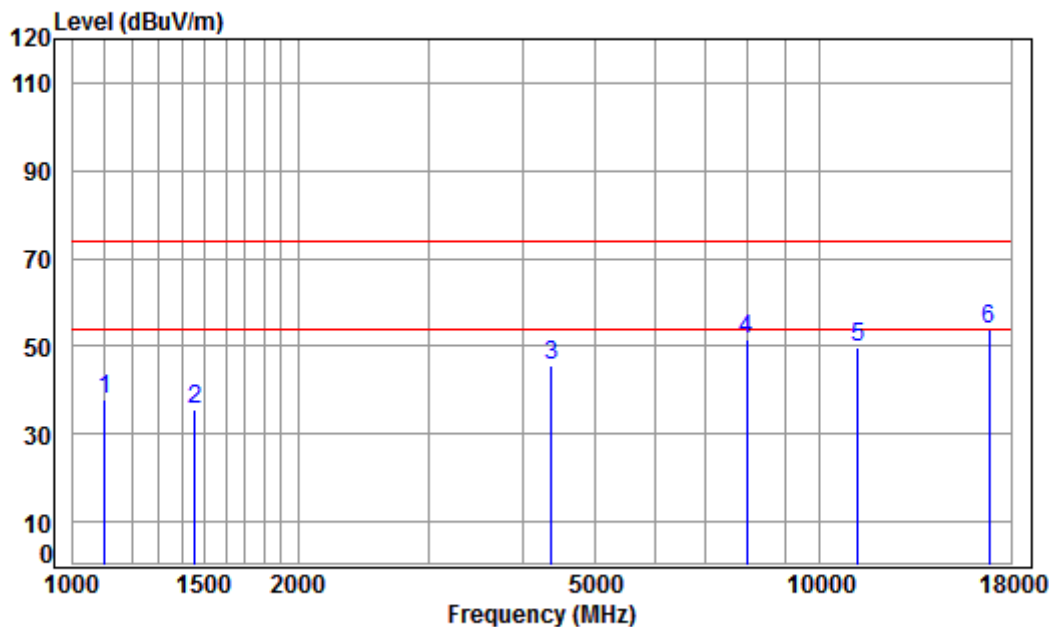
Mode: : 5530 TX RSE

: 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1300.858	4.22	24.96	38.07	44.30	35.41	74.00	-38.59	peak
2	1574.265	4.56	26.14	38.04	42.38	35.04	74.00	-38.96	peak
3	4086.182	6.80	33.60	38.04	44.03	46.39	74.00	-27.61	peak
4	7673.034	9.92	36.41	36.69	42.64	52.28	74.00	-21.72	peak
5	11060.000	12.27	37.75	35.41	34.37	48.98	74.00	-25.02	peak
6	pp16590.000	16.20	42.72	36.92	30.96	52.96	74.00	-21.04	peak



Mode:g; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:80MHz; Channel:High



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

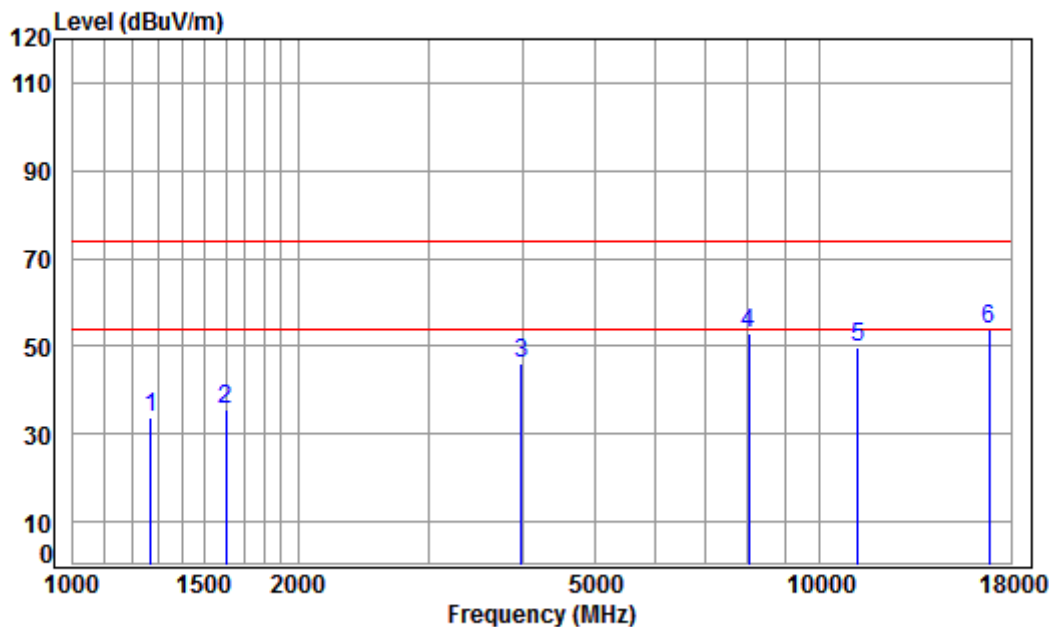
Mode: : 5610 TX RSE

: 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	48.15	37.97	74.00	-36.03	peak
2	1456.081	4.42	25.62	38.05	43.45	35.44	74.00	-38.56	peak
3	4367.058	7.13	33.60	38.18	42.89	45.44	74.00	-28.56	peak
4	7966.832	10.03	36.58	36.43	41.49	51.67	74.00	-22.33	peak
5	11220.000	12.29	37.88	35.44	35.14	49.87	74.00	-24.13	peak
6	pp16830.000	16.65	42.77	36.56	31.04	53.90	74.00	-20.10	peak



Mode:g; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:80MHz; Channel:High



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

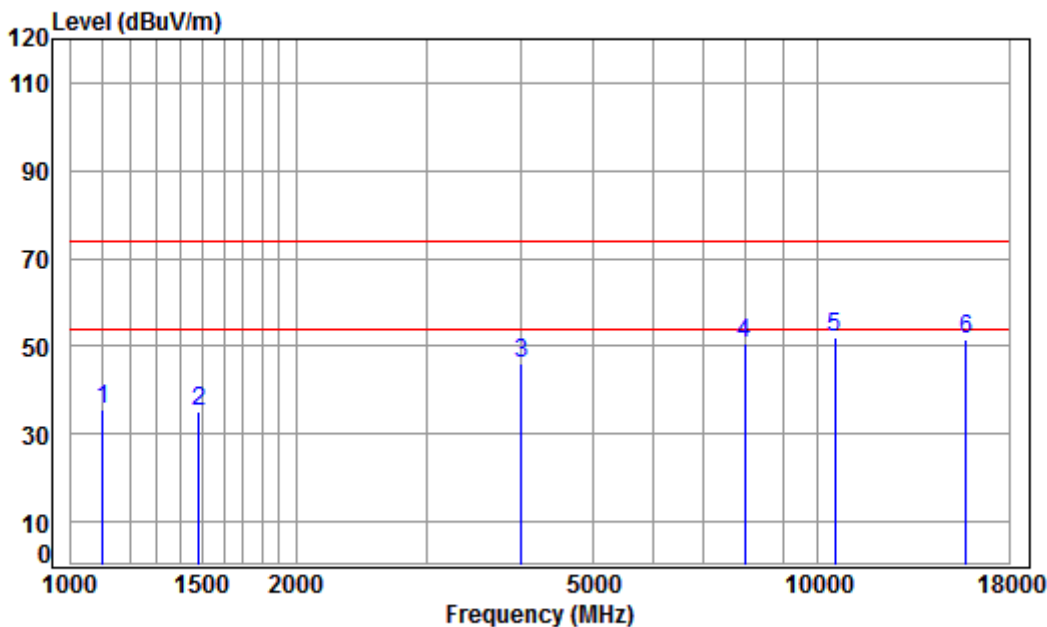
Mode: : 5610 TX RSE

: 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1271.123	4.18	24.82	38.07	43.00	33.93	74.00	-40.07	peak
2	1601.804	4.59	26.26	38.04	42.74	35.55	74.00	-38.45	peak
3	3981.257	6.69	33.55	38.00	43.82	46.06	74.00	-27.94	peak
4	8013.020	10.05	36.58	36.39	42.46	52.70	74.00	-21.30	peak
5	11220.000	12.29	37.88	35.44	35.15	49.88	74.00	-24.12	peak
6	pp16830.000	16.65	42.77	36.56	31.02	53.88	74.00	-20.12	peak



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

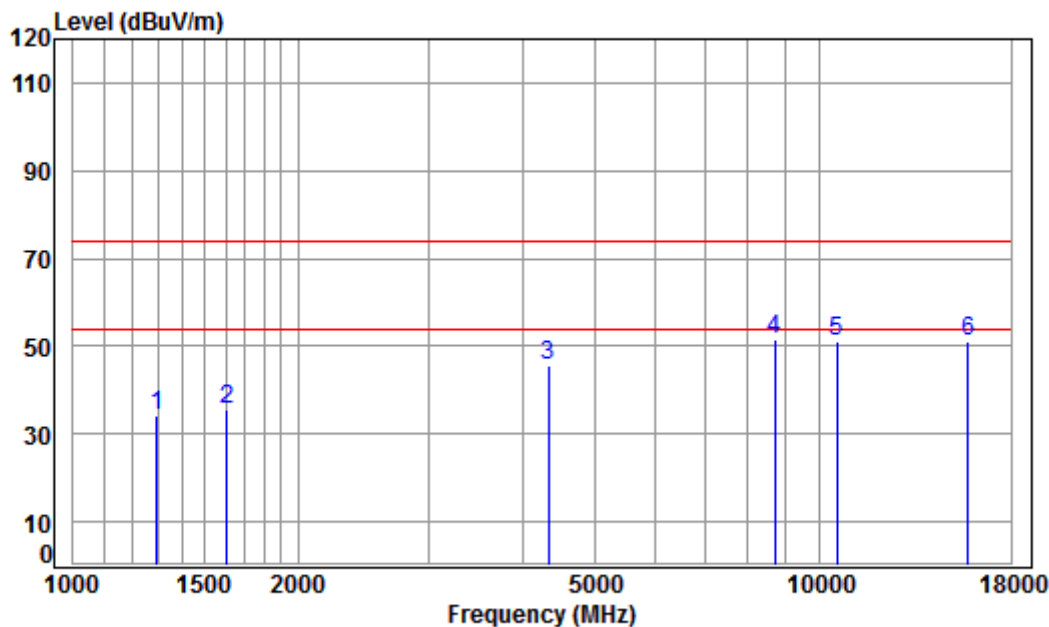


Condition: 3m HORIZONTAL  
Job No: : 05891CR\05892CR  
Mode: : 5260 TX RSE  
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	45.55	35.37	74.00	-38.63	peak
2	1481.553	4.45	25.73	38.05	43.17	35.30	74.00	-38.70	peak
3	4004.339	6.71	33.60	38.00	43.63	45.94	74.00	-28.06	peak
4	7966.832	10.03	36.58	36.43	40.53	50.71	74.00	-23.29	peak
5	pp10520.000	11.88	37.12	35.16	37.96	51.80	74.00	-22.20	peak
6	15780.000	15.47	41.29	38.04	32.82	51.54	74.00	-22.46	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

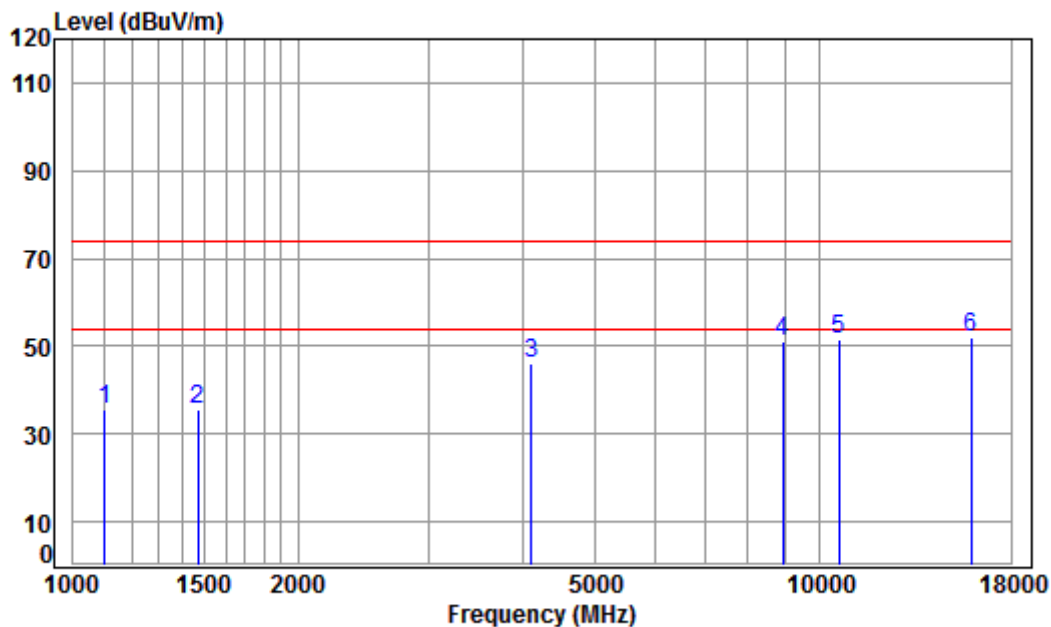
Mode: : 5260 TX RSE

: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1293.359	4.21	24.92	38.07	43.15	34.21	74.00	-39.79	peak
2	1606.441	4.60	26.28	38.04	42.87	35.71	74.00	-38.29	peak
3	4329.354	7.09	33.60	38.16	43.31	45.84	74.00	-28.16	peak
4 pp	8688.480	10.45	36.23	35.71	40.47	51.44	74.00	-22.56	peak
5	10520.000	11.88	37.12	35.16	37.06	50.90	74.00	-23.10	peak
6	15780.000	15.47	41.29	38.04	32.30	51.02	74.00	-22.98	peak



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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

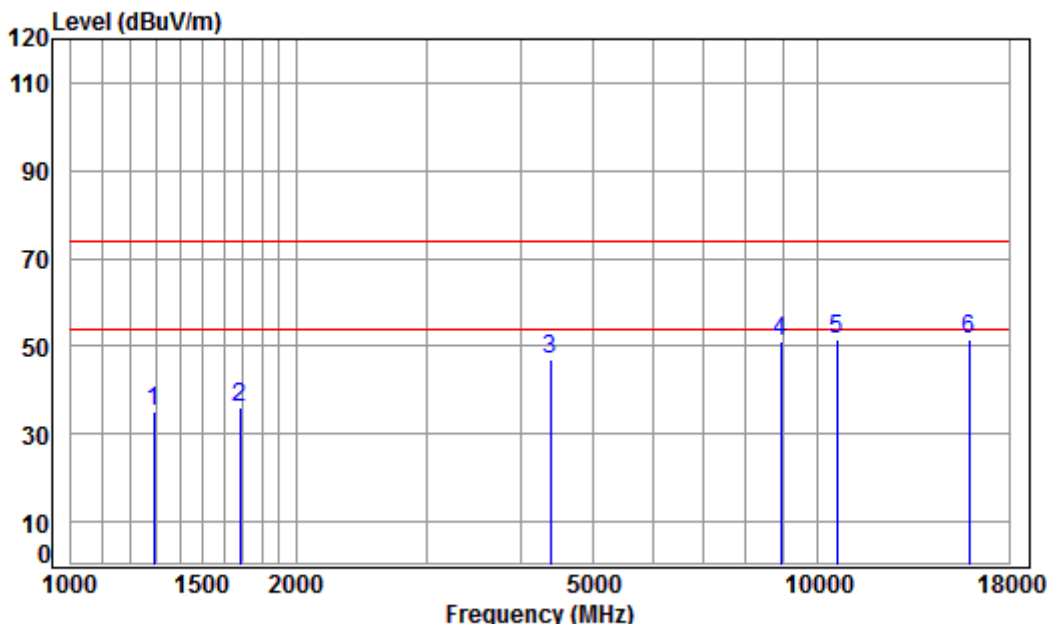
Mode: : 5300 TX RSE

: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	45.83	35.65	74.00	-38.35	peak
2	1468.761	4.43	25.68	38.05	43.42	35.48	74.00	-38.52	peak
3	4109.872	6.83	33.60	38.05	43.54	45.92	74.00	-28.08	peak
4	8917.462	10.62	36.50	35.48	39.60	51.24	74.00	-22.76	peak
5	10600.000	11.94	37.22	35.20	37.42	51.38	74.00	-22.62	peak
6	15900.000	15.56	41.24	37.91	33.01	51.90	74.00	-22.10	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

Mode: : 5300 TX RSE

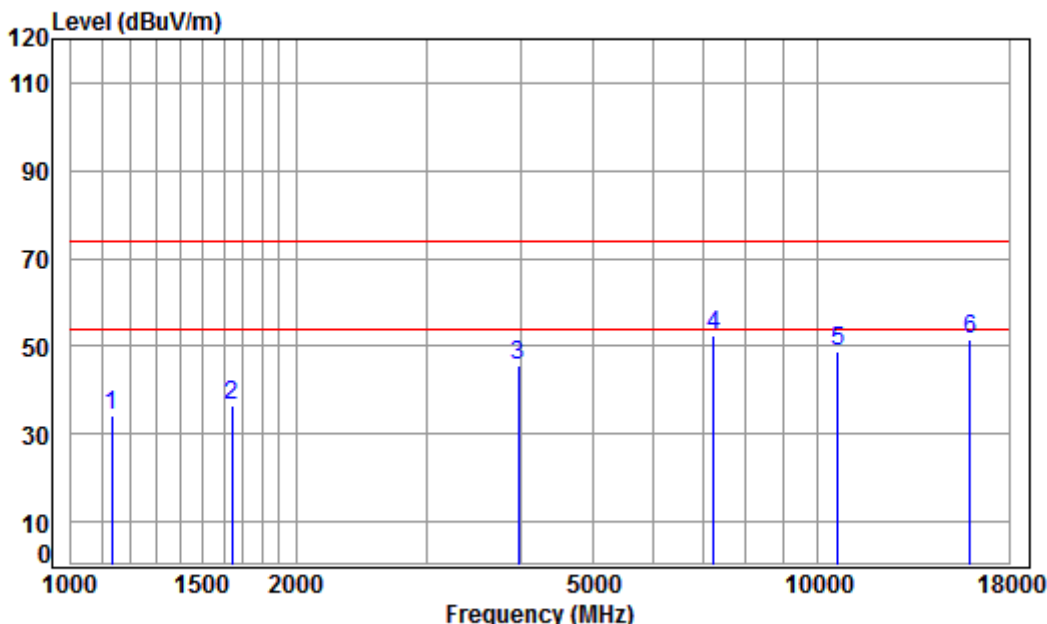
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1289.627	4.21	24.91	38.07	44.17	35.22	74.00	-38.78	peak
2	1682.477	4.69	26.60	38.03	42.79	36.05	74.00	-37.95	peak
3	4379.699	7.15	33.60	38.19	44.37	46.93	74.00	-27.07	peak
4	8917.462	10.62	36.50	35.48	39.50	51.14	74.00	-22.86	peak
5	pp10600.000	11.94	37.22	35.20	37.72	51.68	74.00	-22.32	peak
6	15900.000	15.56	41.24	37.91	32.49	51.38	74.00	-22.62	peak





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

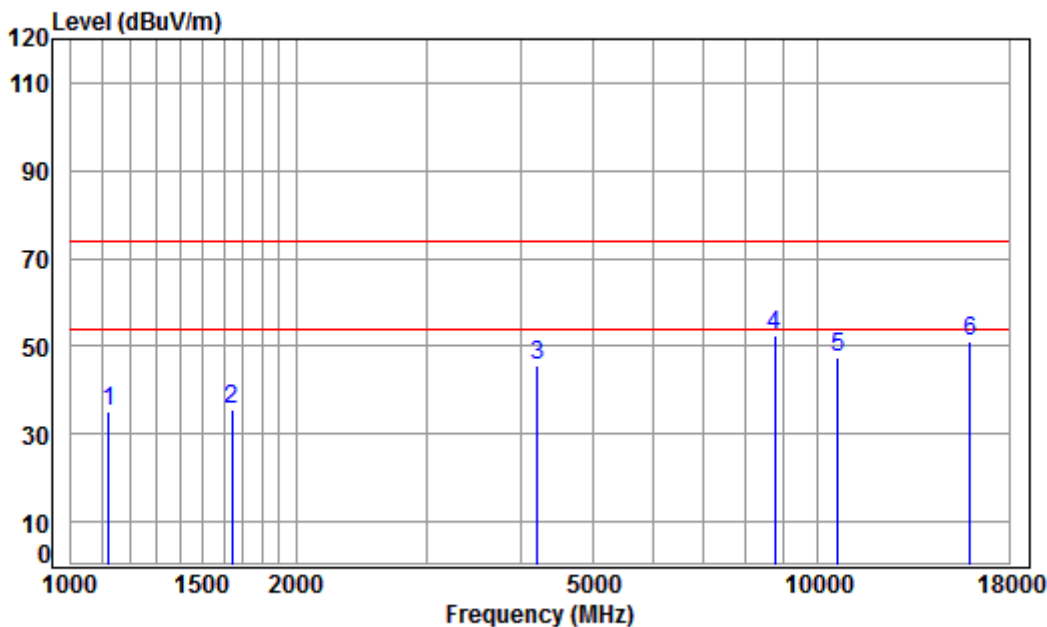


Condition: 3m HORIZONTAL  
Job No: : 05891CR\05892CR  
Mode: : 5320 TX RSE  
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1132.340	3.98	24.14	38.09	44.27	34.30	74.00	-39.70	peak
2	1644.019	4.64	26.44	38.04	43.27	36.31	74.00	-37.69	peak
3	3969.767	6.68	33.52	38.00	43.46	45.66	74.00	-28.34	peak
4 pp	7242.052	9.68	36.40	37.08	43.47	52.47	74.00	-21.53	peak
5	10640.000	11.97	37.27	35.22	34.58	48.60	74.00	-25.40	peak
6	15960.000	15.61	41.22	37.84	32.78	51.77	74.00	-22.23	peak



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

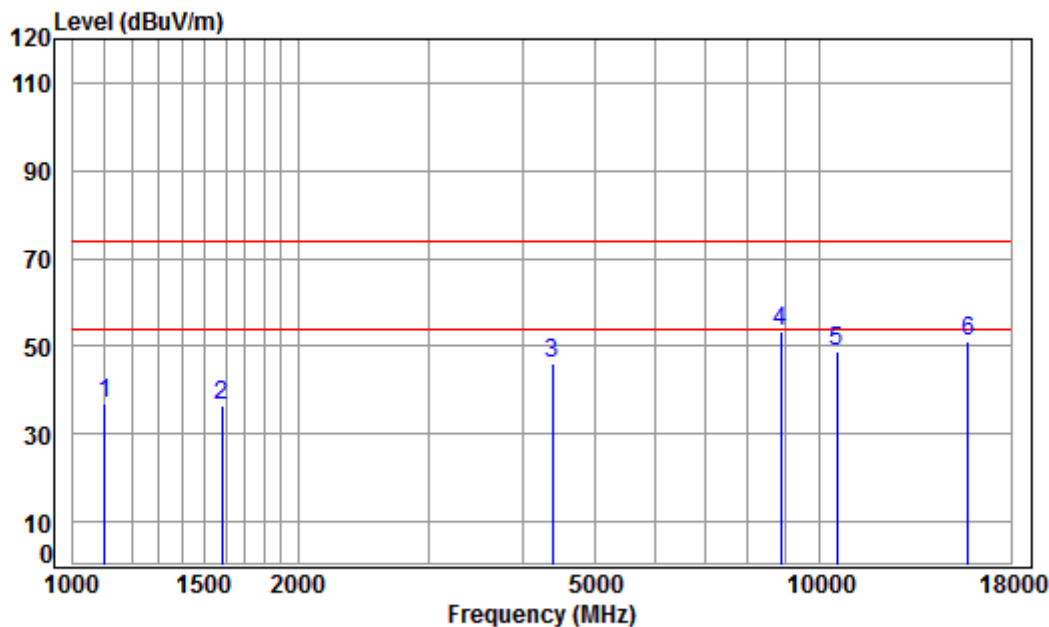


Condition: 3m VERTICAL  
Job No: : 05891CR\05892CR  
Mode: : 5320 TX RSE  
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1122.563	3.96	24.08	38.09	45.22	35.17	74.00	-38.83	peak
2	1644.019	4.64	26.44	38.04	42.66	35.70	74.00	-38.30	peak
3	4206.011	6.95	33.60	38.10	43.23	45.68	74.00	-28.32	peak
4 pp	8738.852	10.49	36.29	35.66	41.23	52.35	74.00	-21.65	peak
5	10640.000	11.97	37.27	35.22	33.47	47.49	74.00	-26.51	peak
6	15960.000	15.61	41.22	37.84	32.12	51.11	74.00	-22.89	peak



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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

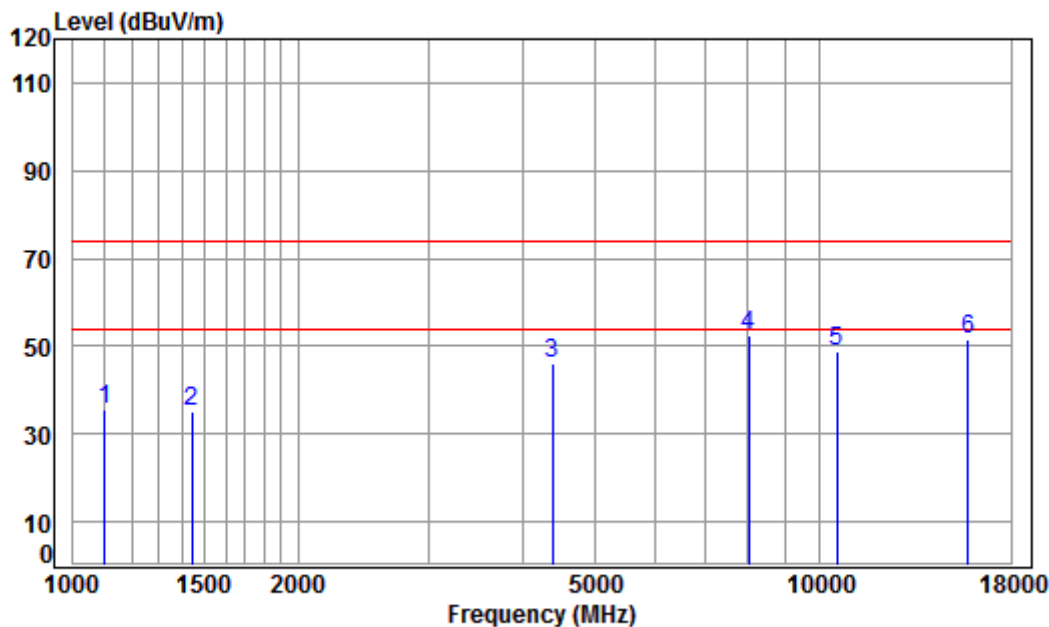
Mode: : 5260 TX RSE

: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	46.93	36.75	74.00	-37.25	peak
2	1583.392	4.57	26.18	38.04	43.80	36.51	74.00	-37.49	peak
3	4379.699	7.15	33.60	38.19	43.55	46.11	74.00	-27.89	peak
4 pp	8866.062	10.58	36.44	35.53	41.99	53.48	74.00	-20.52	peak
5	10520.000	11.88	37.12	35.16	35.06	48.90	74.00	-25.10	peak
6	15780.000	15.47	41.29	38.04	32.17	50.89	74.00	-23.11	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

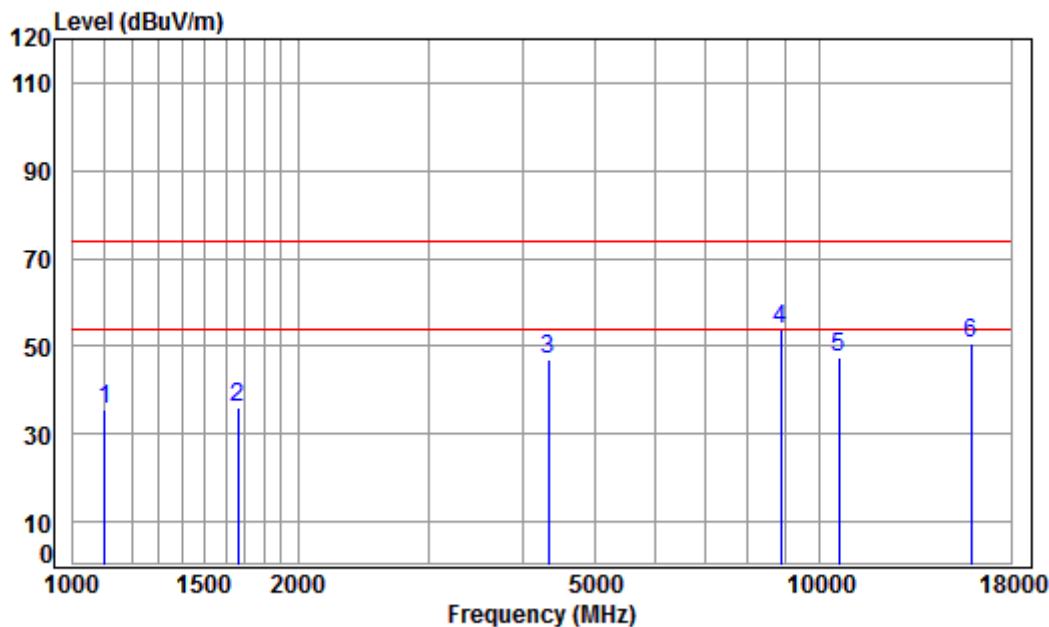
Mode: : 5260 TX RSE

: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	45.75	35.57	74.00	-38.43	peak
2	1443.509	4.40	25.57	38.06	43.34	35.25	74.00	-38.75	peak
3	4379.699	7.15	33.60	38.19	43.59	46.15	74.00	-27.85	peak
4 pp	8036.214	10.06	36.56	36.36	42.19	52.45	74.00	-21.55	peak
5	10520.000	11.88	37.12	35.16	34.79	48.63	74.00	-25.37	peak
6	15780.000	15.47	41.29	38.04	32.97	51.69	74.00	-22.31	peak



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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

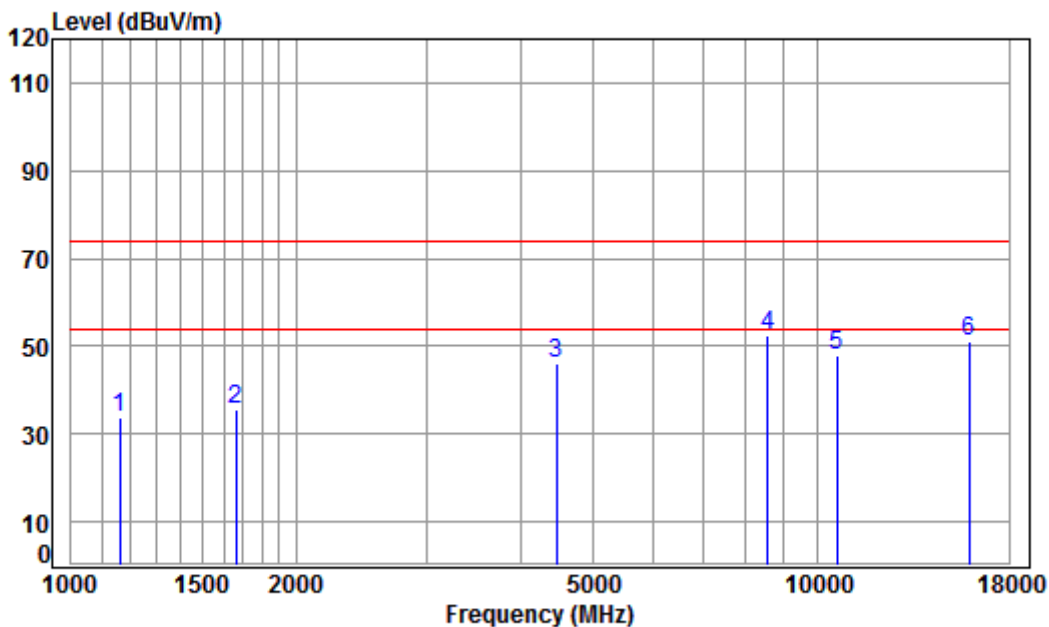
Mode: : 5300 TX RSE

: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	45.90	35.72	74.00	-38.28	peak
2	1663.137	4.66	26.52	38.03	43.05	36.20	74.00	-37.80	peak
3	4329.354	7.09	33.60	38.16	44.53	47.06	74.00	-26.94	peak
4 pp	8866.062	10.58	36.44	35.53	42.14	53.63	74.00	-20.37	peak
5	10600.000	11.94	37.22	35.20	33.64	47.60	74.00	-26.40	peak
6	15900.000	15.56	41.24	37.91	31.91	50.80	74.00	-23.20	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

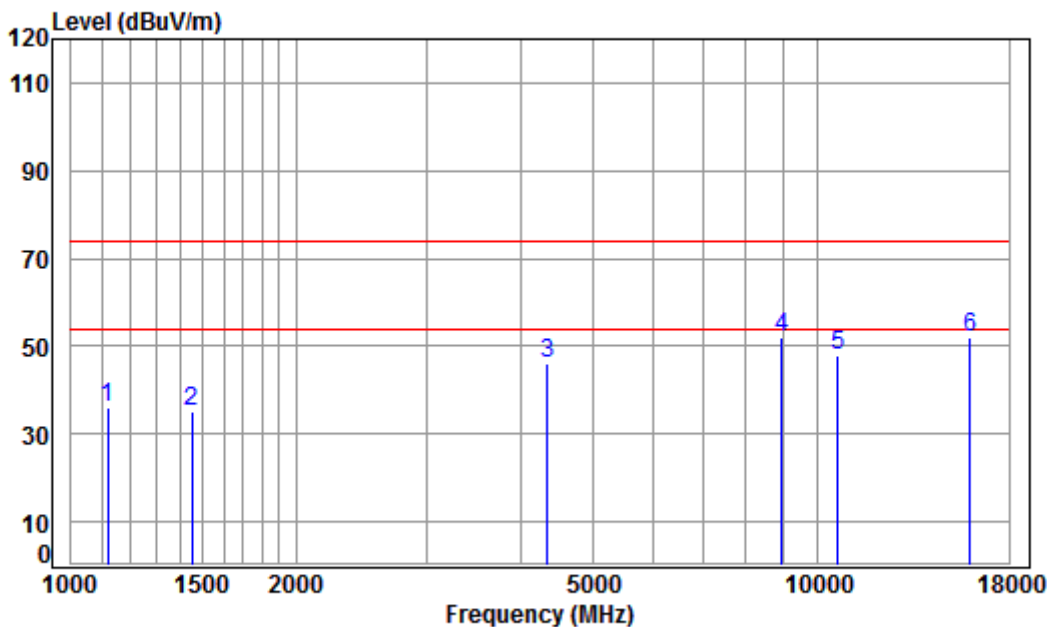
Mode: : 5300 TX RSE

: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1162.182	4.02	24.29	38.08	43.64	33.87	74.00	-40.13	peak
2	1663.137	4.66	26.52	38.03	42.27	35.42	74.00	-38.58	peak
3	4469.214	7.25	33.60	38.23	43.56	46.18	74.00	-27.82	peak
4 pp	8563.818	10.36	36.08	35.84	41.68	52.28	74.00	-21.72	peak
5	10600.000	11.94	37.22	35.20	34.10	48.06	74.00	-25.94	peak
6	15900.000	15.56	41.24	37.91	32.43	51.32	74.00	-22.68	peak



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

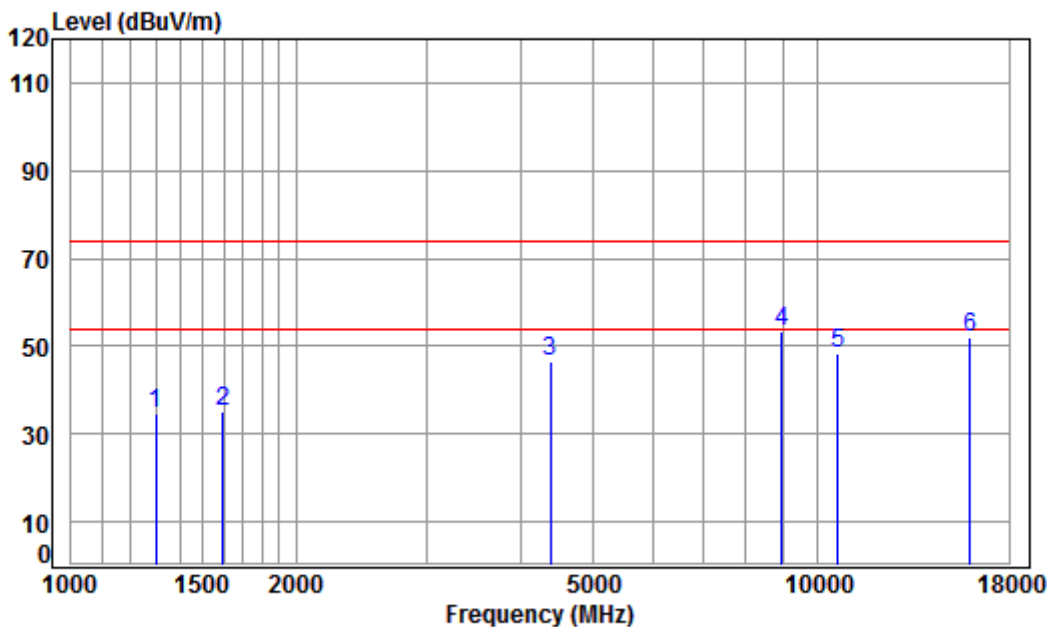


Condition: 3m HORIZONTAL  
Job No: : 05891CR\05892CR  
Mode: : 5320 TX RSE  
: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1119.323	3.96	24.07	38.09	46.05	35.99	74.00	-38.01	peak
2	1451.878	4.41	25.61	38.05	43.26	35.23	74.00	-38.77	peak
3	4341.886	7.10	33.60	38.17	43.55	46.08	74.00	-27.92	peak
4	8943.274	10.64	36.53	35.46	40.45	52.16	74.00	-21.84	peak
5	10640.000	11.97	37.27	35.22	34.00	48.02	74.00	-25.98	peak
6	pp15960.000	15.61	41.22	37.84	33.24	52.23	74.00	-21.77	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

Mode: : 5320 TX RSE

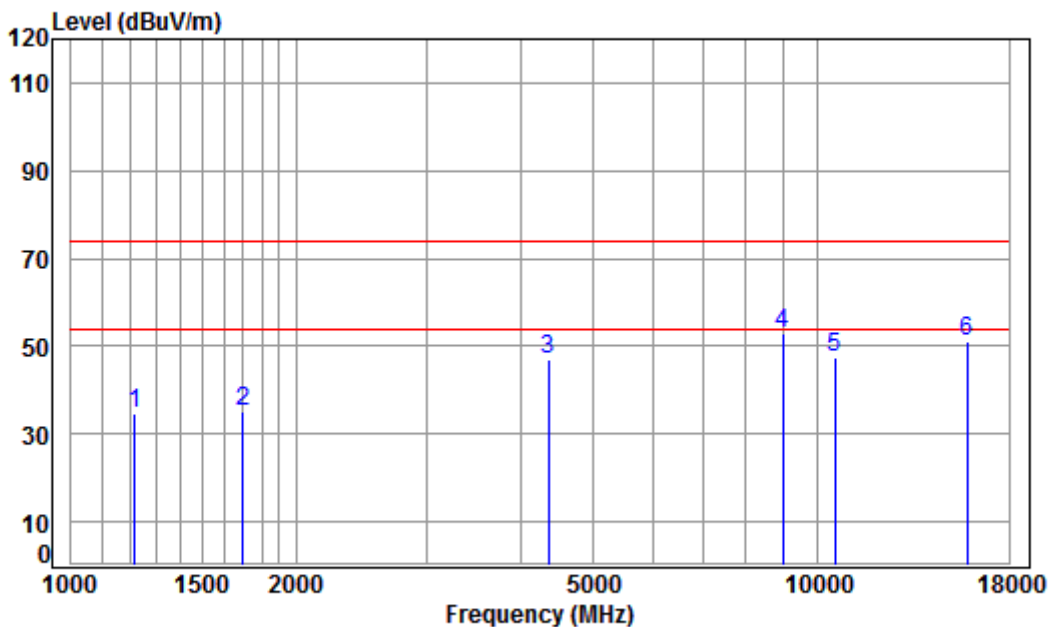
: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1297.103	4.22	24.94	38.07	43.56	34.65	74.00	-39.35	peak
2	1597.181	4.59	26.24	38.04	42.40	35.19	74.00	-38.81	peak
3	4379.699	7.15	33.60	38.19	44.20	46.76	74.00	-27.24	peak
4 pp	8943.274	10.64	36.53	35.46	41.54	53.25	74.00	-20.75	peak
5	10640.000	11.97	37.27	35.22	34.20	48.22	74.00	-25.78	peak
6	15960.000	15.61	41.22	37.84	32.85	51.84	74.00	-22.16	peak





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

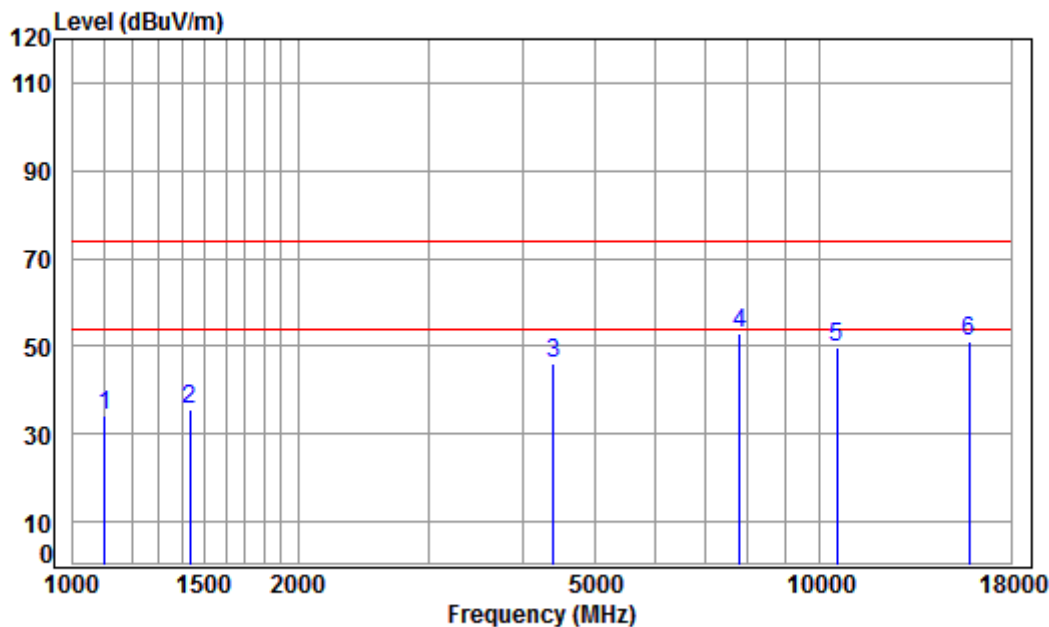


Condition: 3m HORIZONTAL  
Job No: : 05891CR\05892CR  
Mode: : 5270 TX RSE  
: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1217.190	4.10	24.56	38.08	43.92	34.50	74.00	-39.50	peak
2	1697.129	4.70	26.66	38.03	41.87	35.20	74.00	-38.80	peak
3	4354.454	7.12	33.60	38.18	44.55	47.09	74.00	-26.91	peak
4 pp	8969.161	10.66	36.56	35.43	41.09	52.88	74.00	-21.12	peak
5	10540.000	11.89	37.15	35.17	33.81	47.68	74.00	-26.32	peak
6	15810.000	15.49	41.28	38.01	32.29	51.05	74.00	-22.95	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

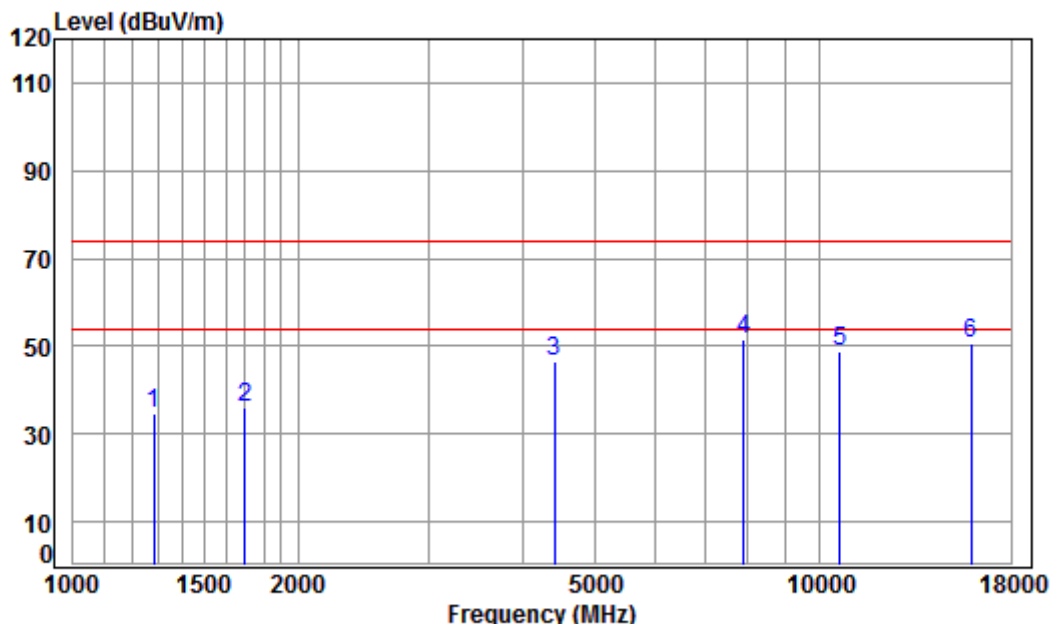
Mode: : 5270 TX RSE

: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	44.53	34.35	74.00	-39.65	peak
2	1435.189	4.39	25.54	38.06	43.50	35.37	74.00	-38.63	peak
3	4392.376	7.16	33.60	38.20	43.42	45.98	74.00	-28.02	peak
4 pp	7807.262	9.97	36.49	36.57	43.12	53.01	74.00	-20.99	peak
5	10540.000	11.89	37.15	35.17	36.01	49.88	74.00	-24.12	peak
6	15810.000	15.49	41.28	38.01	32.55	51.31	74.00	-22.69	peak



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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

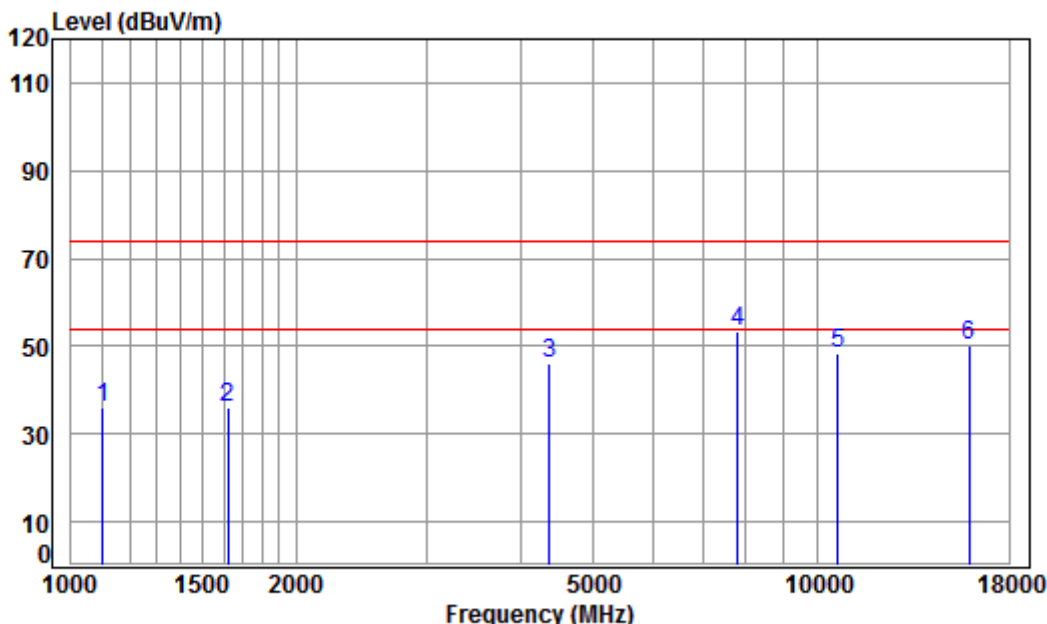
Mode: : 5310 TX RSE

: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.193	4.20	24.87	38.07	43.79	34.79	74.00	-39.21	peak
2	1697.129	4.70	26.66	38.03	42.77	36.10	74.00	-37.90	peak
3	4405.090	7.18	33.60	38.20	43.80	46.38	74.00	-27.62	peak
4 pp	7898.049	10.00	36.54	36.49	41.50	51.55	74.00	-22.45	peak
5	10620.000	11.96	37.25	35.21	34.59	48.59	74.00	-25.41	peak
6	15930.000	15.59	41.23	37.88	31.59	50.53	74.00	-23.47	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

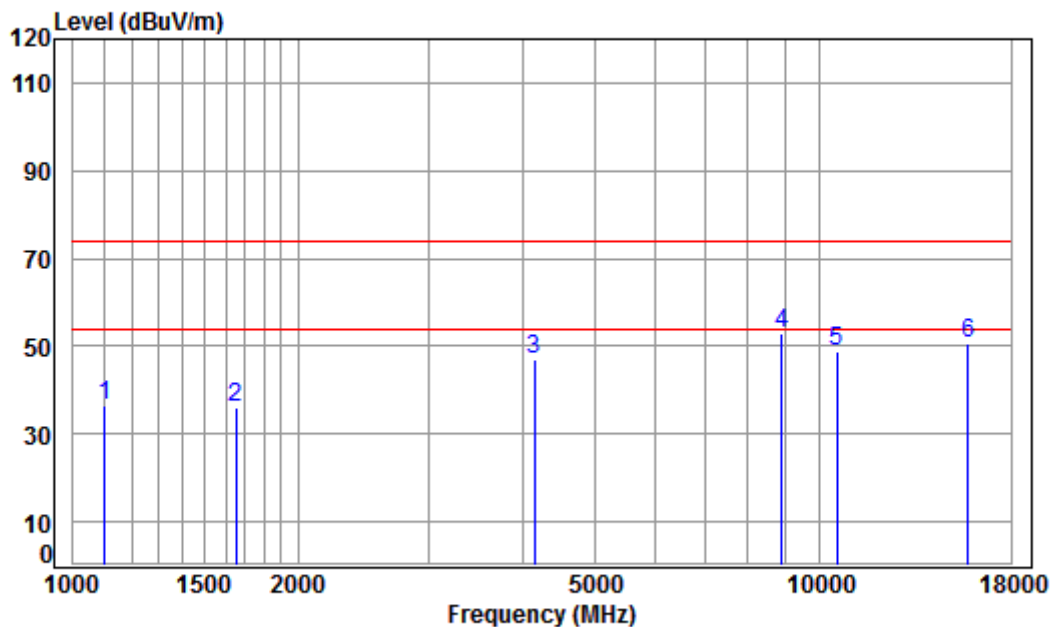
Mode: : 5310 TX RSE

: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	46.35	36.17	74.00	-37.83	peak
2	1620.431	4.61	26.34	38.04	43.22	36.13	74.00	-37.87	peak
3	4367.058	7.13	33.60	38.18	43.37	45.92	74.00	-28.08	peak
4 pp	7807.262	9.97	36.49	36.57	43.65	53.54	74.00	-20.46	peak
5	10620.000	11.96	37.25	35.21	34.38	48.38	74.00	-25.62	peak
6	15930.000	15.59	41.23	37.88	31.47	50.41	74.00	-23.59	peak



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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

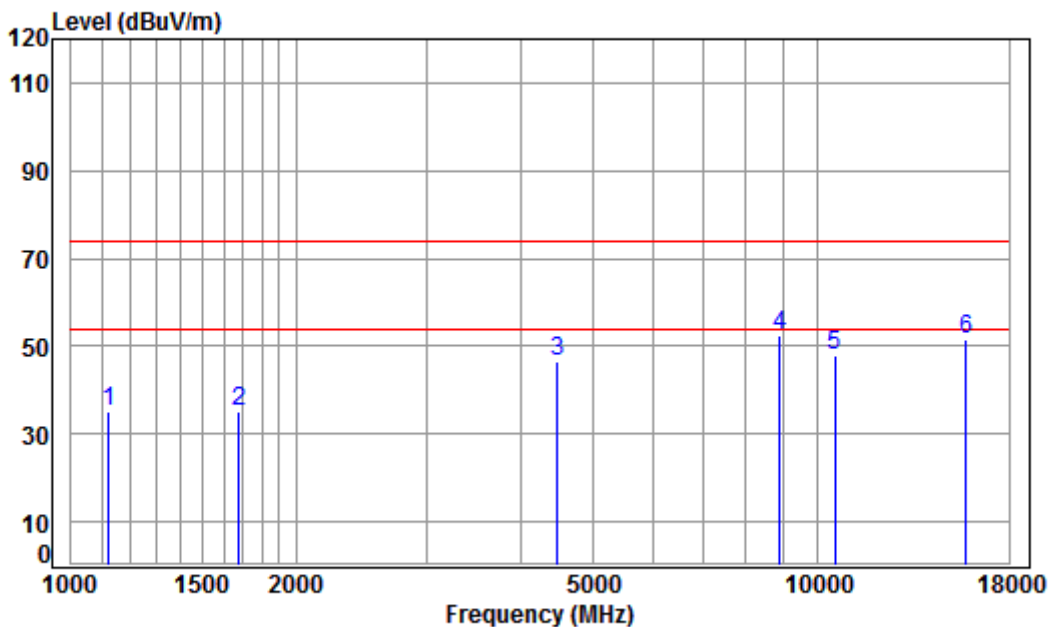
Mode: : 5260 TX RSE

: 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	46.80	36.62	74.00	-37.38	peak
2	1653.550	4.65	26.48	38.03	43.08	36.18	74.00	-37.82	peak
3	4145.664	6.88	33.60	38.07	44.81	47.22	74.00	-26.78	peak
4 pp	8891.725	10.60	36.47	35.51	41.26	52.82	74.00	-21.18	peak
5	10520.000	11.88	37.12	35.16	34.92	48.76	74.00	-25.24	peak
6	15780.000	15.47	41.29	38.04	31.74	50.46	74.00	-23.54	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

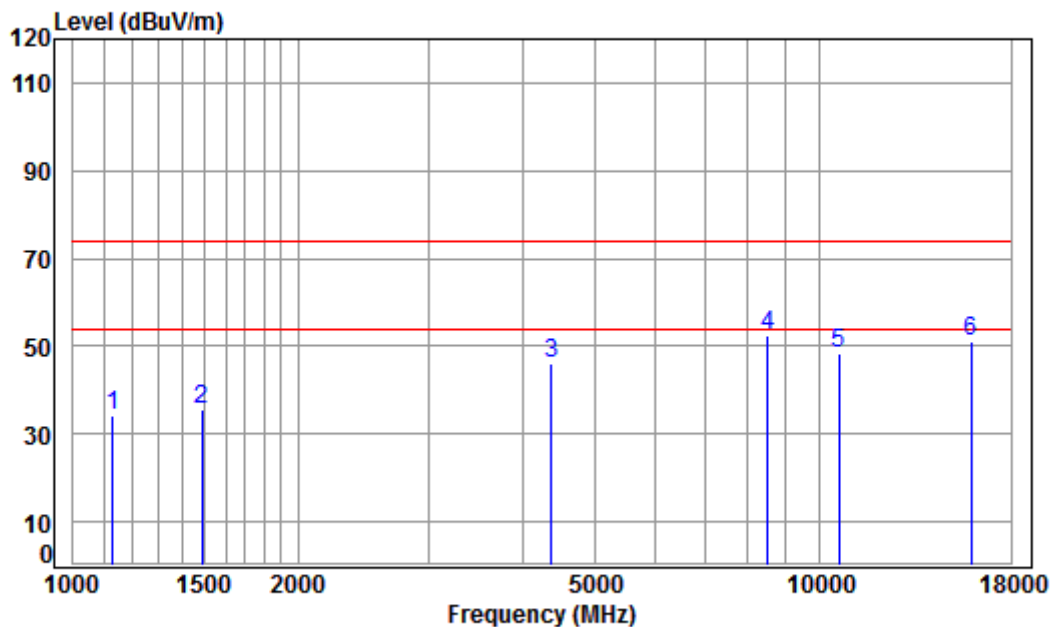
Mode: : 5260 TX RSE

: 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1122.563	3.96	24.08	38.09	45.18	35.13	74.00	-38.87	peak
2	1677.621	4.68	26.58	38.03	42.11	35.34	74.00	-38.66	peak
3	4482.150	7.26	33.60	38.24	43.80	46.42	74.00	-27.58	peak
4 pp	8891.725	10.60	36.47	35.51	41.10	52.66	74.00	-21.34	peak
5	10520.000	11.88	37.12	35.16	34.13	47.97	74.00	-26.03	peak
6	15780.000	15.47	41.29	38.04	32.63	51.35	74.00	-22.65	peak



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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

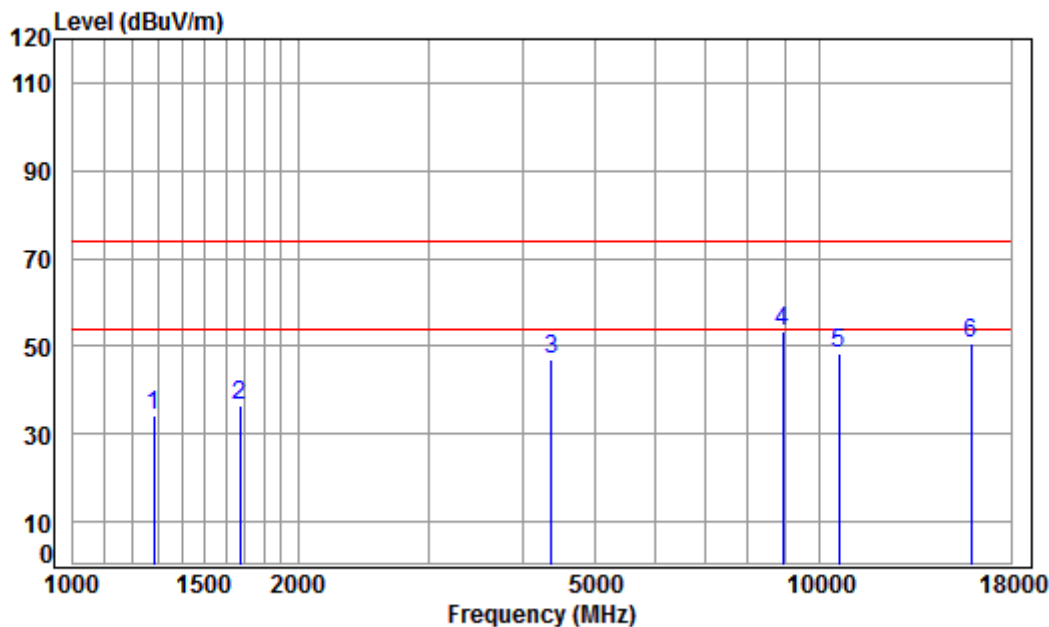
Mode: : 5300 TX RSE

: 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1129.072	3.97	24.12	38.09	44.00	34.00	74.00	-40.00	peak
2	1490.142	4.46	25.76	38.05	43.23	35.40	74.00	-38.60	peak
3	4367.058	7.13	33.60	38.18	43.39	45.94	74.00	-28.06	peak
4 pp	8514.456	10.32	36.02	35.89	41.95	52.40	74.00	-21.60	peak
5	10600.000	11.94	37.22	35.20	34.57	48.53	74.00	-25.47	peak
6	15900.000	15.56	41.24	37.91	32.01	50.90	74.00	-23.10	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

Mode: : 5300 TX RSE

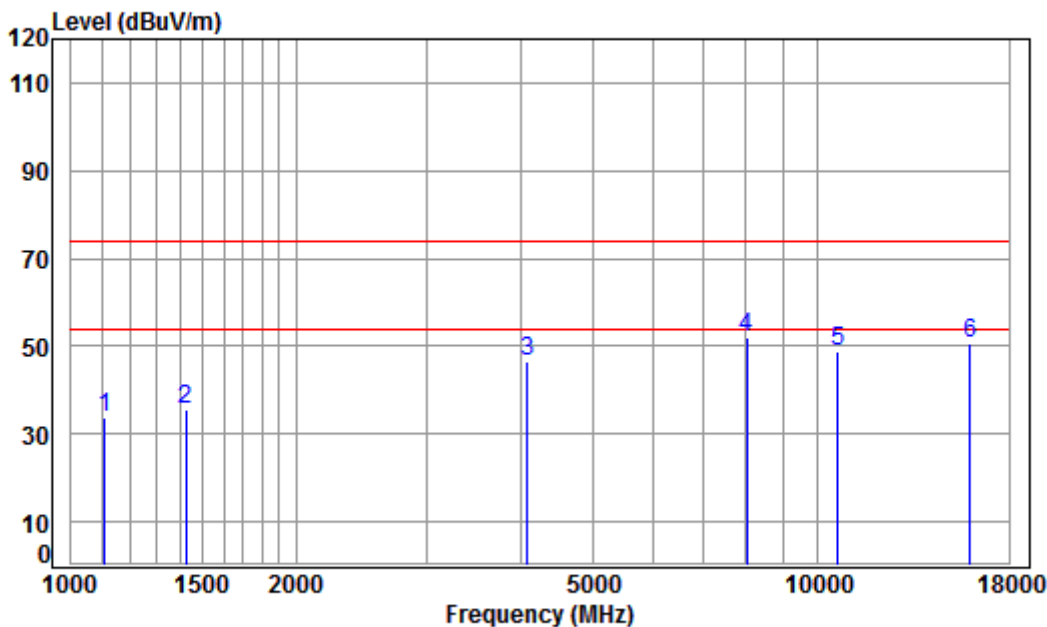
: 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.193	4.20	24.87	38.07	43.35	34.35	74.00	-39.65	peak
2	1672.779	4.67	26.56	38.03	43.26	36.46	74.00	-37.54	peak
3	4367.058	7.13	33.60	38.18	44.25	46.80	74.00	-27.20	peak
4 pp	8917.462	10.62	36.50	35.48	41.66	53.30	74.00	-20.70	peak
5	10600.000	11.94	37.22	35.20	34.28	48.24	74.00	-25.76	peak
6	15900.000	15.56	41.24	37.91	31.71	50.60	74.00	-23.40	peak





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

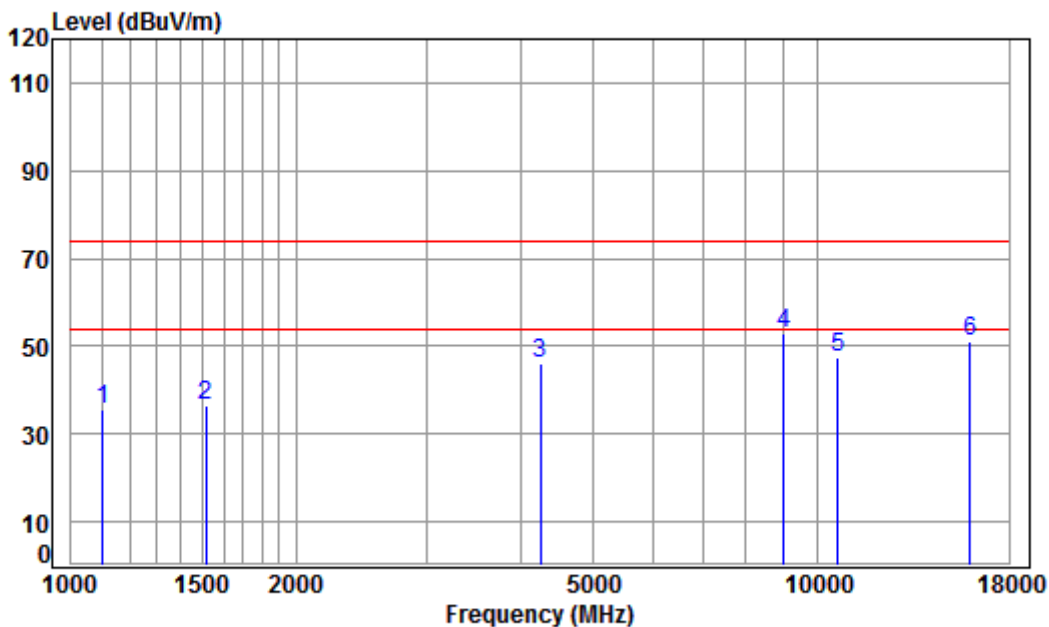


Condition: 3m HORIZONTAL  
Job No: : 05891CR\05892CR  
Mode: : 5320 TX RSE  
: 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1109.660	3.94	24.02	38.09	43.85	33.72	74.00	-40.28	peak
2	1426.916	4.38	25.50	38.06	43.59	35.41	74.00	-38.59	peak
3	4086.182	6.80	33.60	38.04	44.00	46.36	74.00	-27.64	peak
4 pp	8036.214	10.06	36.56	36.36	41.83	52.09	74.00	-21.91	peak
5	10640.000	11.97	37.27	35.22	34.63	48.65	74.00	-25.35	peak
6	15960.000	15.61	41.22	37.84	31.87	50.86	74.00	-23.14	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

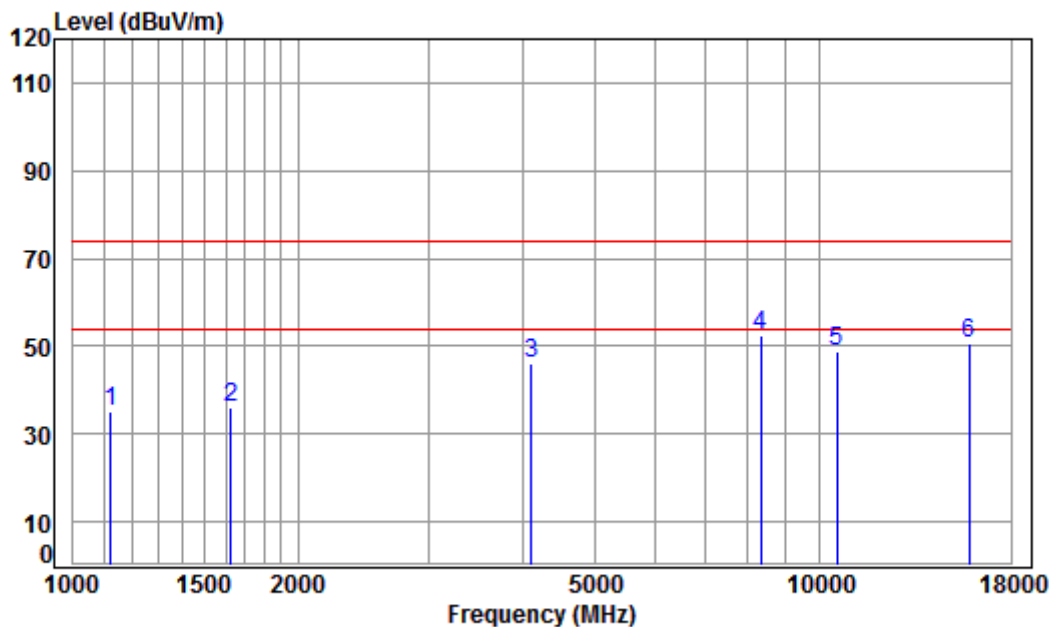
Mode: : 5320 TX RSE

: 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	45.89	35.71	74.00	-38.29	peak
2	1516.210	4.49	25.87	38.05	44.00	36.31	74.00	-37.69	peak
3	4242.641	6.99	33.60	38.12	43.76	46.23	74.00	-27.77	peak
4 pp	8995.123	10.68	36.59	35.40	41.14	53.01	74.00	-20.99	peak
5	10640.000	11.97	37.27	35.22	33.36	47.38	74.00	-26.62	peak
6	15960.000	15.61	41.22	37.84	32.06	51.05	74.00	-22.95	peak



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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

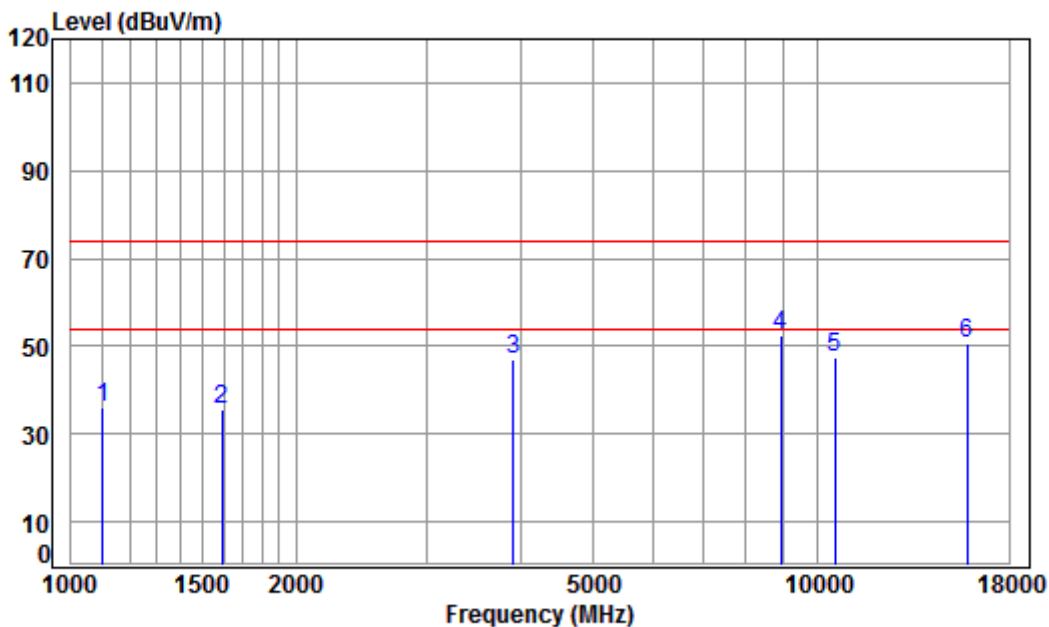
Mode: : 5270 TX RSE

: 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1122.563	3.96	24.08	38.09	45.28	35.23	74.00	-38.77	peak
2	1625.121	4.62	26.36	38.04	42.98	35.92	74.00	-38.08	peak
3	4109.872	6.83	33.60	38.05	43.64	46.02	74.00	-27.98	peak
4 pp	8319.836	10.21	36.21	36.08	42.21	52.55	74.00	-21.45	peak
5	10540.000	11.89	37.15	35.17	34.76	48.63	74.00	-25.37	peak
6	15810.000	15.49	41.28	38.01	31.93	50.69	74.00	-23.31	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

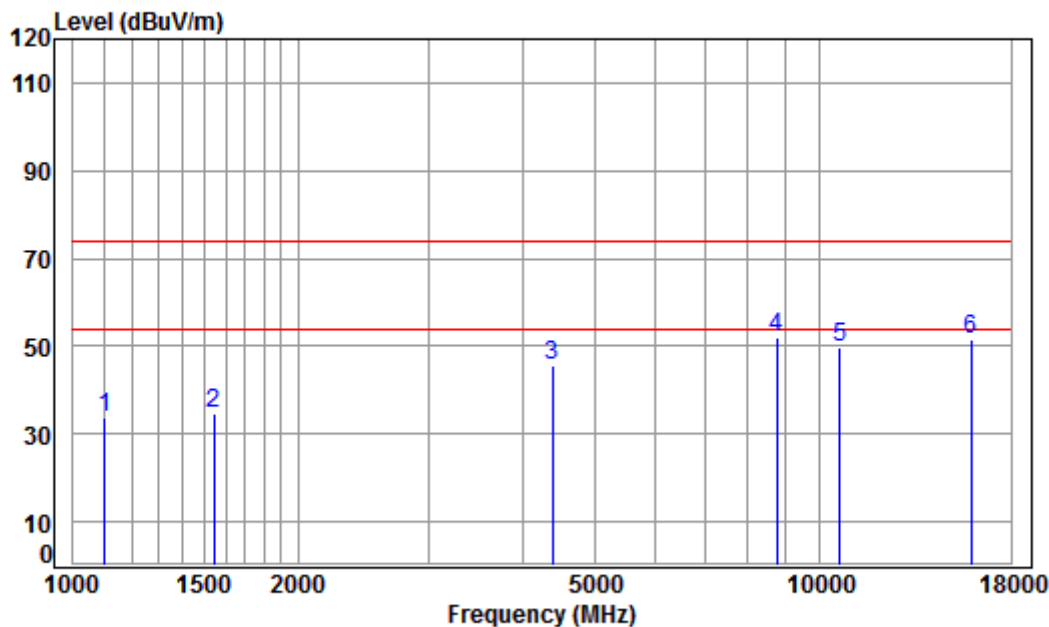
Mode: : 5270 TX RSE

: 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	46.27	36.09	74.00	-37.91	peak
2	1592.571	4.58	26.22	38.04	43.02	35.78	74.00	-38.22	peak
3	3912.809	6.63	33.37	37.99	44.85	46.86	74.00	-27.14	peak
4 pp	8917.462	10.62	36.50	35.48	40.67	52.31	74.00	-21.69	peak
5	10540.000	11.89	37.15	35.17	33.50	47.37	74.00	-26.63	peak
6	15810.000	15.49	41.28	38.01	31.98	50.74	74.00	-23.26	peak



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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

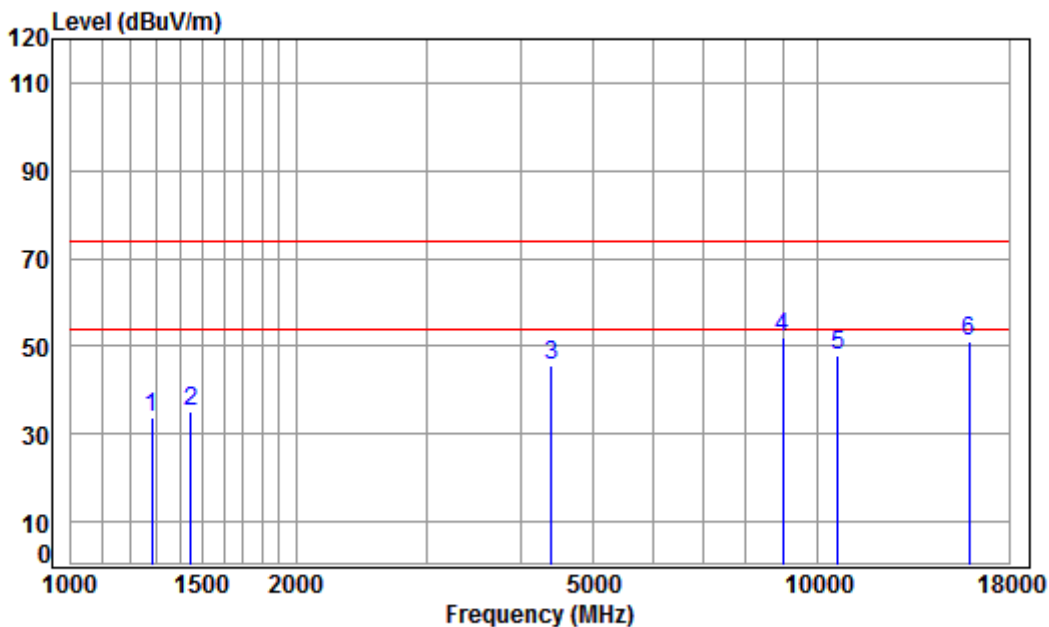
Mode: : 5310 TX RSE

: 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	44.06	33.88	74.00	-40.12	peak
2	1542.733	4.52	26.00	38.05	42.21	34.68	74.00	-39.32	peak
3	4379.699	7.15	33.60	38.19	43.23	45.79	74.00	-28.21	peak
4 pp	8738.852	10.49	36.29	35.66	40.98	52.10	74.00	-21.90	peak
5	10620.000	11.96	37.25	35.21	35.72	49.72	74.00	-24.28	peak
6	15930.000	15.59	41.23	37.88	32.71	51.65	74.00	-22.35	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

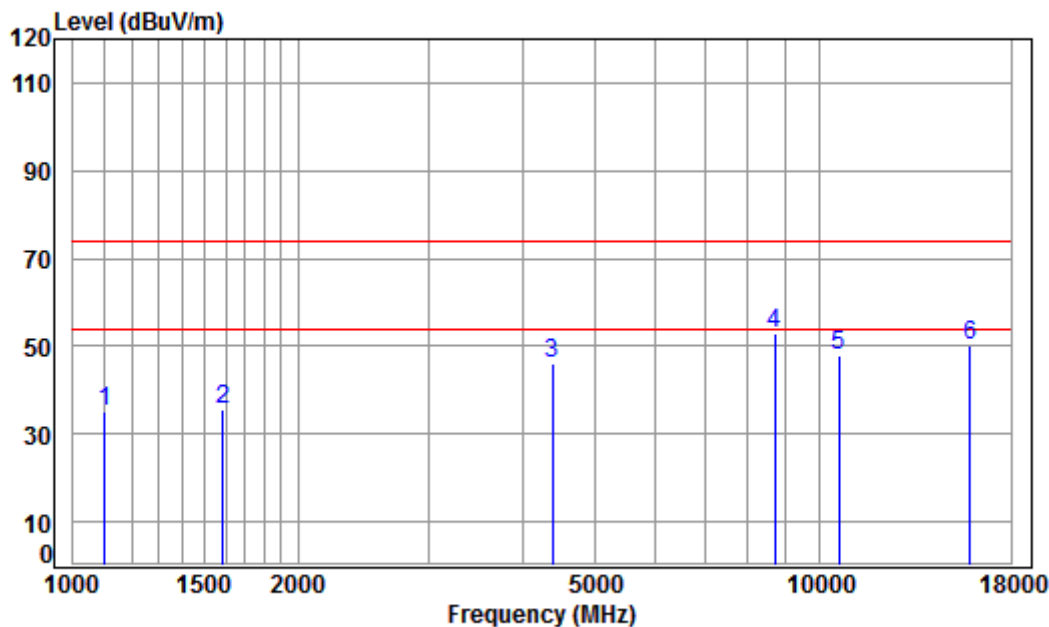
Mode: : 5310 TX RSE

: 5G WIFI 11AC40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.193	4.20	24.87	38.07	42.54	33.54	74.00	-40.46	peak
2	1447.688	4.41	25.59	38.06	43.28	35.22	74.00	-38.78	peak
3	4392.376	7.16	33.60	38.20	42.98	45.54	74.00	-28.46	peak
4 pp	8969.161	10.66	36.56	35.43	40.04	51.83	74.00	-22.17	peak
5	10620.000	11.96	37.25	35.21	33.87	47.87	74.00	-26.13	peak
6	15930.000	15.59	41.23	37.88	32.08	51.02	74.00	-22.98	peak



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



Condition: 3m HORIZONTAL

Job No: : 05891CR\05892CR

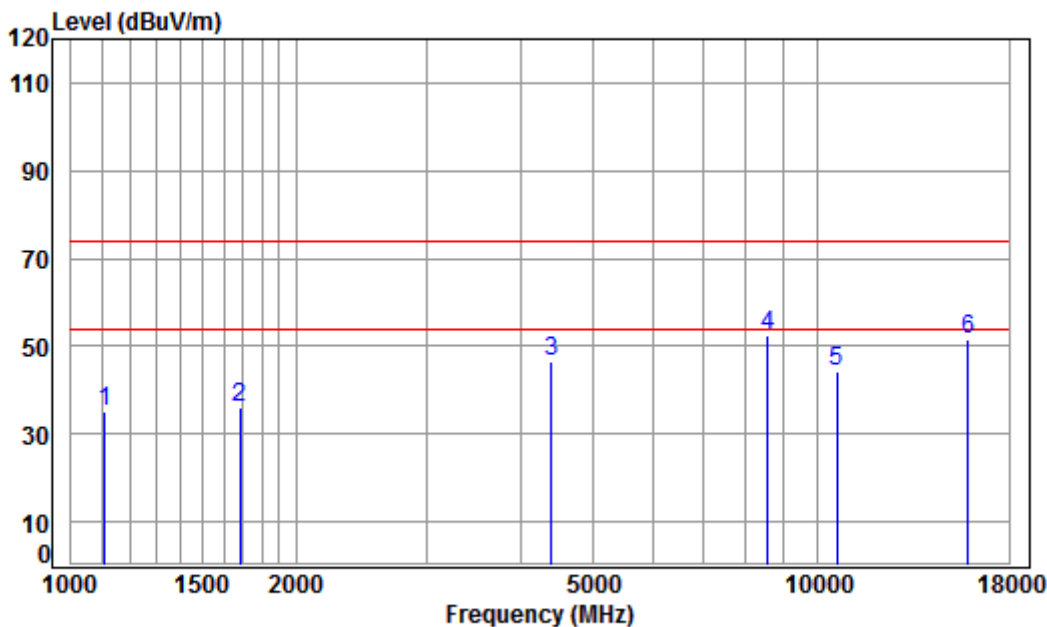
Mode: : 5290 TX RSE

: 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1103.264	3.93	23.98	38.09	45.40	35.22	74.00	-38.78	peak
2	1587.975	4.58	26.20	38.04	42.66	35.40	74.00	-38.60	peak
3	4379.699	7.15	33.60	38.19	43.42	45.98	74.00	-28.02	peak
4 pp	8688.480	10.45	36.23	35.71	41.77	52.74	74.00	-21.26	peak
5	10580.000	11.93	37.20	35.19	33.99	47.93	74.00	-26.07	peak
6	15870.000	15.54	41.25	37.94	31.53	50.38	74.00	-23.62	peak



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



Condition: 3m VERTICAL

Job No: : 05891CR\05892CR

Mode: : 5290 TX RSE

: 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1109.660	3.94	24.02	38.09	45.34	35.21	74.00	-38.79	peak
2	1682.477	4.69	26.60	38.03	42.94	36.20	74.00	-37.80	peak
3	4392.376	7.16	33.60	38.20	44.03	46.59	74.00	-27.41	peak
4 pp	8563.818	10.36	36.08	35.84	41.73	52.33	74.00	-21.67	peak
5	10580.000	11.93	37.20	35.19	30.18	44.12	74.00	-29.88	peak
6	15870.000	15.54	41.25	37.94	32.63	51.48	74.00	-22.52	peak





Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor

2) Scan from 9kHz to 25GHz, the disturbance above 18GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

3) As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak measurements were shown in the report.



### 7.11 Radiated Emissions which fall in the restricted bands

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

Test Method: KDB 789033 D02 II G

Measurement Distance: 3m

Limit:

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

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.



### 7.11.1 E.U.T. Operation

Operating Environment:

Temperature: 23 °C Humidity: 54 % RH Atmospheric Pressure: 1005 mbar

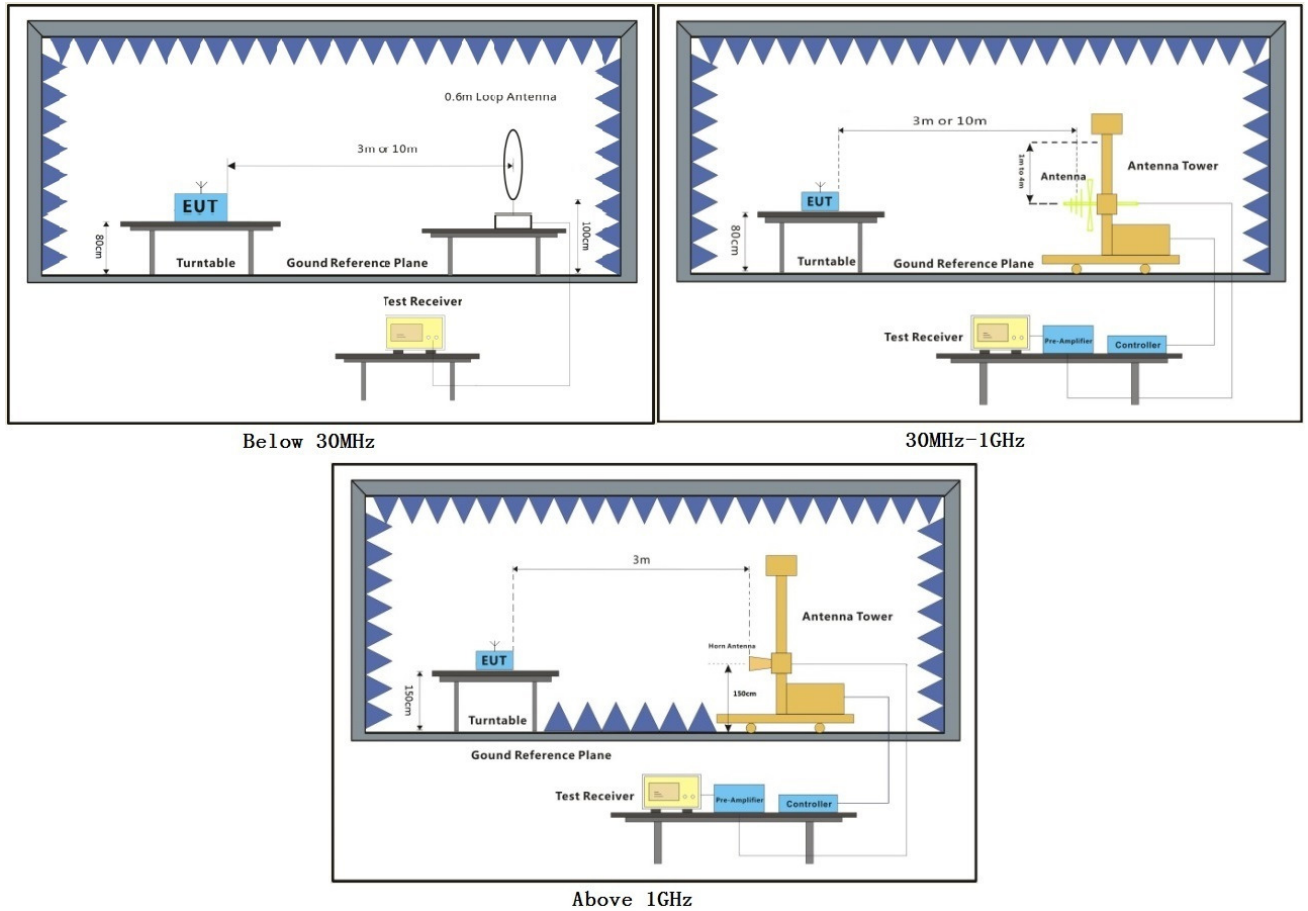
Test mode: e:TX mode (Band 1)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 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.

h: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.

g:TX mode (Band 2C)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

f:TX mode (Band 2A)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

### 7.11.2 Test Setup Diagram



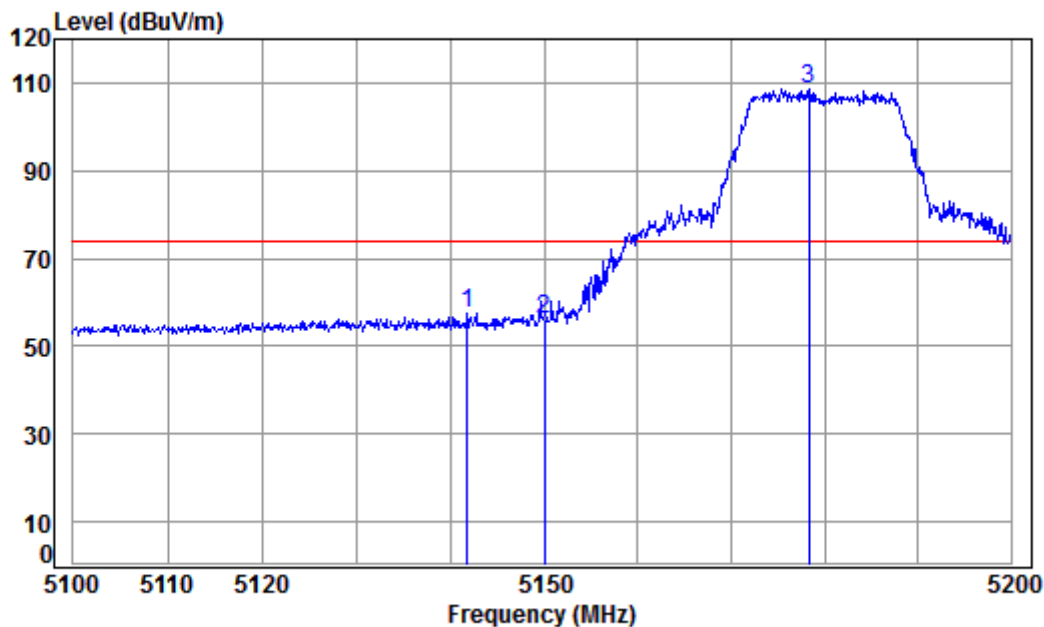


### **7.11.3 Measurement Procedure and Data**

- 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

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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

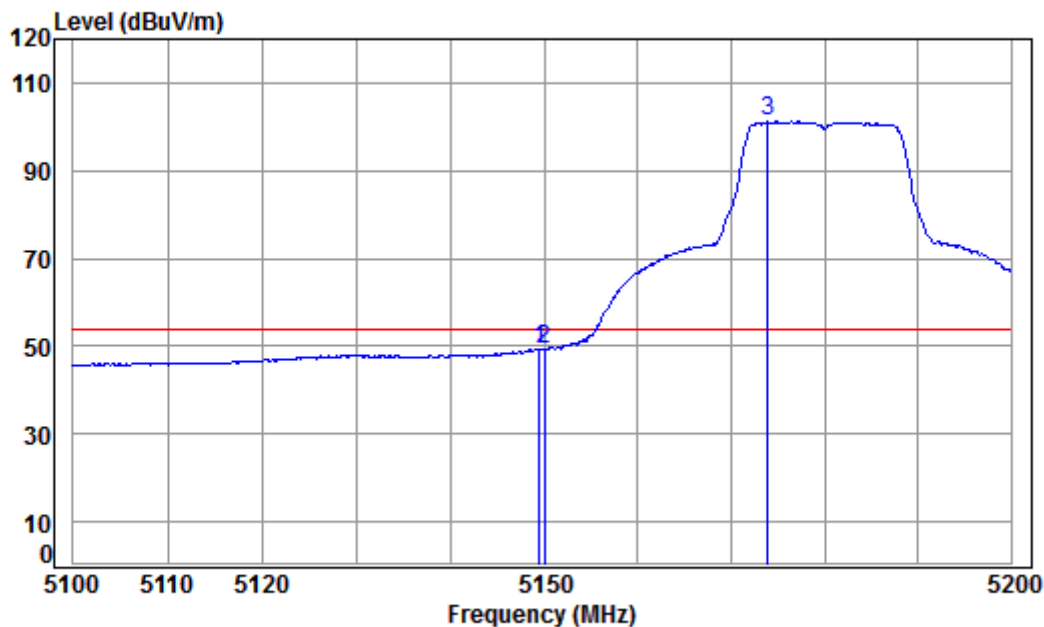
Mode : 5180 Band edge

: 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5141.764	8.07	34.47	38.47	53.56	57.63	74.00	-16.37	peak
2	5150.000	8.08	34.47	38.47	51.93	56.01	74.00	-17.99	peak
3 pp	5178.336	8.09	34.46	38.46	104.53	108.62	74.00	34.62	peak



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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

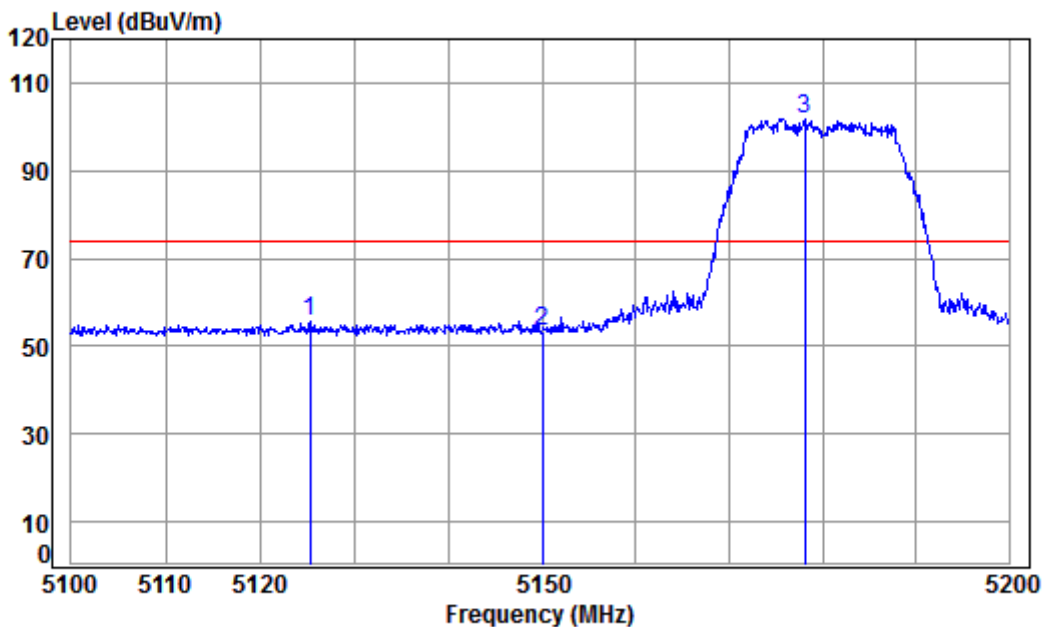
Mode : 5180 Band edge

: 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.458	8.08	34.47	38.47	45.19	49.27	54.00	-4.73	Average
2	5150.000	8.08	34.47	38.47	45.29	49.37	54.00	-4.63	Average
3 pp	5173.914	8.09	34.46	38.47	97.03	101.11	54.00	47.11	Average



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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

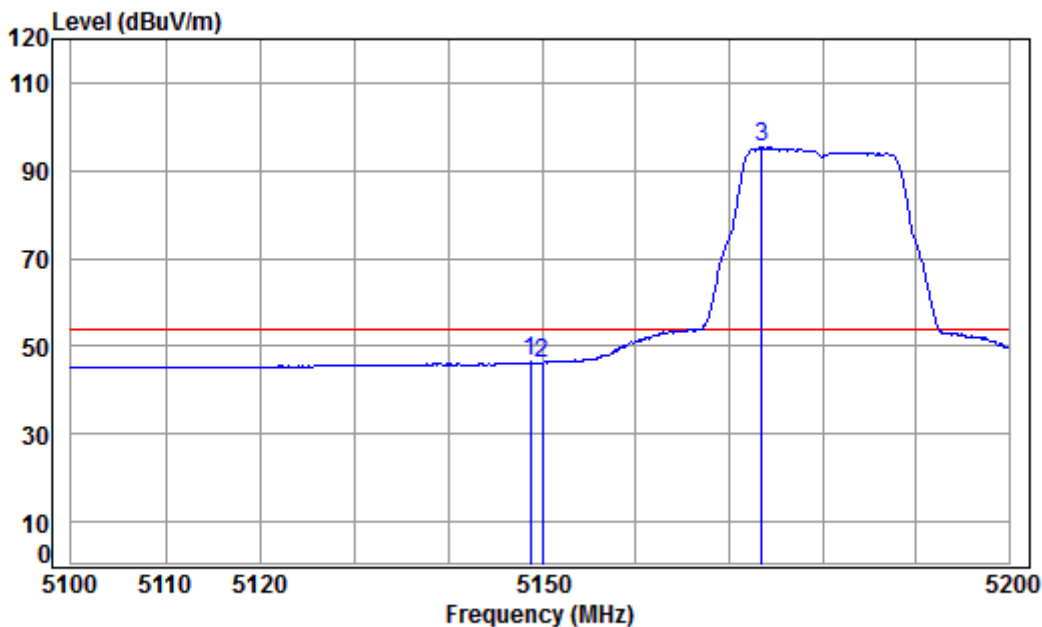
Mode : 5180 Band edge

: 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5125.316	8.06	34.47	38.47	51.57	55.63	74.00	-18.37	Peak
2	5150.000	8.08	34.47	38.47	49.21	53.29	74.00	-20.71	Peak
3 pp	5178.034	8.09	34.46	38.46	97.83	101.92	74.00	27.92	Peak



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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

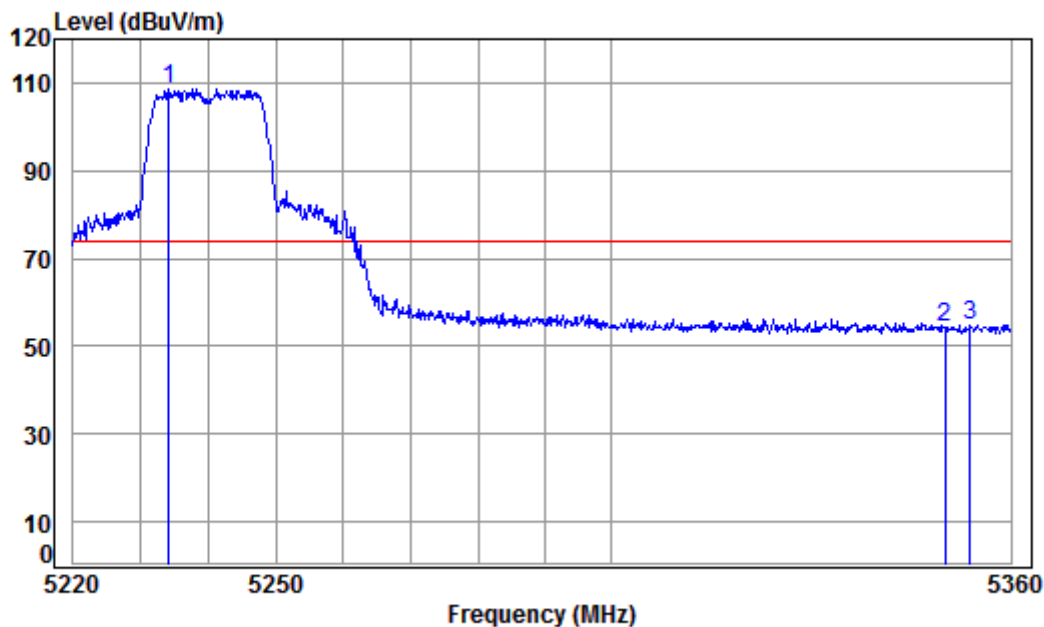
Mode : 5180 Band edge

: 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.757	8.08	34.47	38.47	42.28	46.36	54.00	-7.64	Average
2	5150.000	8.08	34.47	38.47	42.11	46.19	54.00	-7.81	Average
3 pp	5173.512	8.09	34.46	38.47	91.11	95.19	54.00	41.19	Average



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

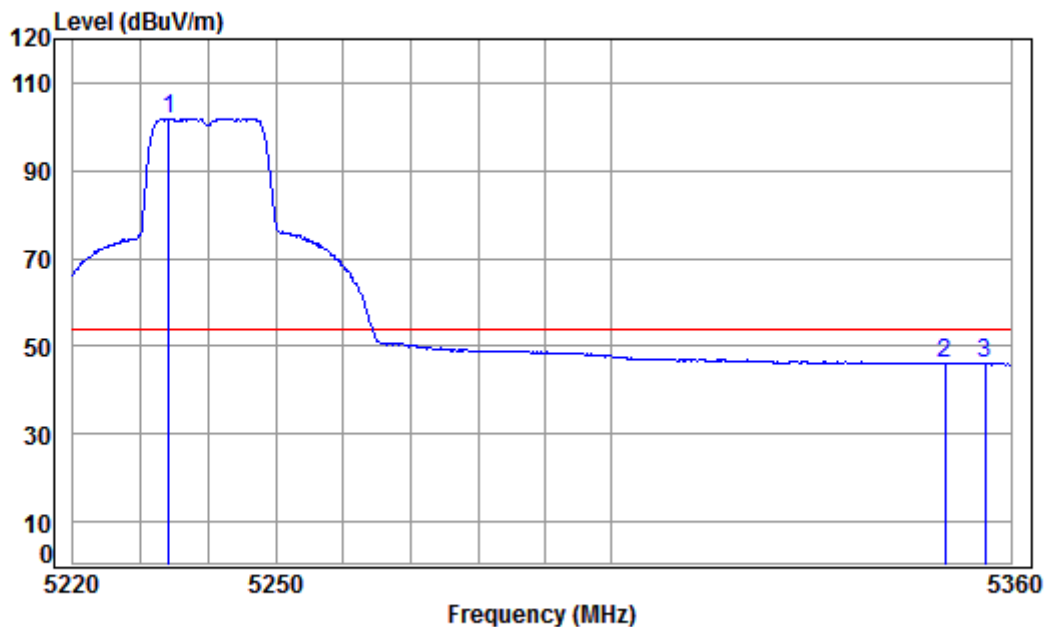


Condition: 3m HORIZONTAL  
Job No : 05891CR\05892CR  
Mode : 5240 Band edge  
: 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5234.111	8.12	34.45	38.45	104.58	108.70	74.00	34.70	peak
2	5350.000	8.18	34.43	38.43	50.03	54.21	74.00	-19.79	peak
3	5353.903	8.18	34.43	38.43	50.61	54.79	74.00	-19.21	peak



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

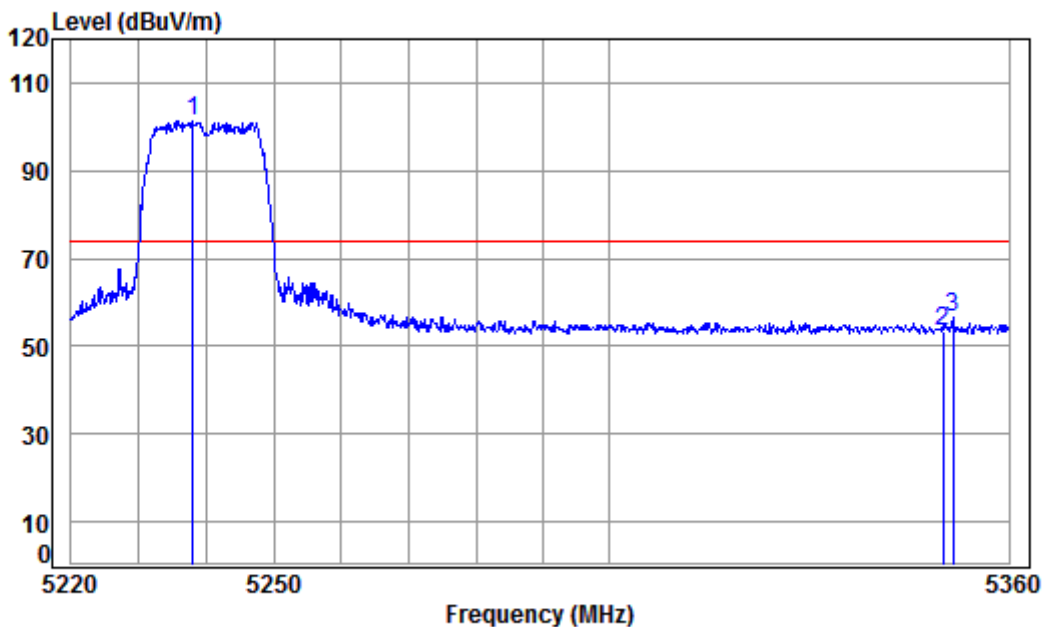


Condition: 3m HORIZONTAL  
Job No : 05891CR\05892CR  
Mode : 5240 Band edge  
: 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5234.111	8.12	34.45	38.45	97.81	101.93	54.00	47.93	Average
2	5350.000	8.18	34.43	38.43	41.81	45.99	54.00	-8.01	Average
3	5356.029	8.18	34.43	38.43	41.96	46.14	54.00	-7.86	Average



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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

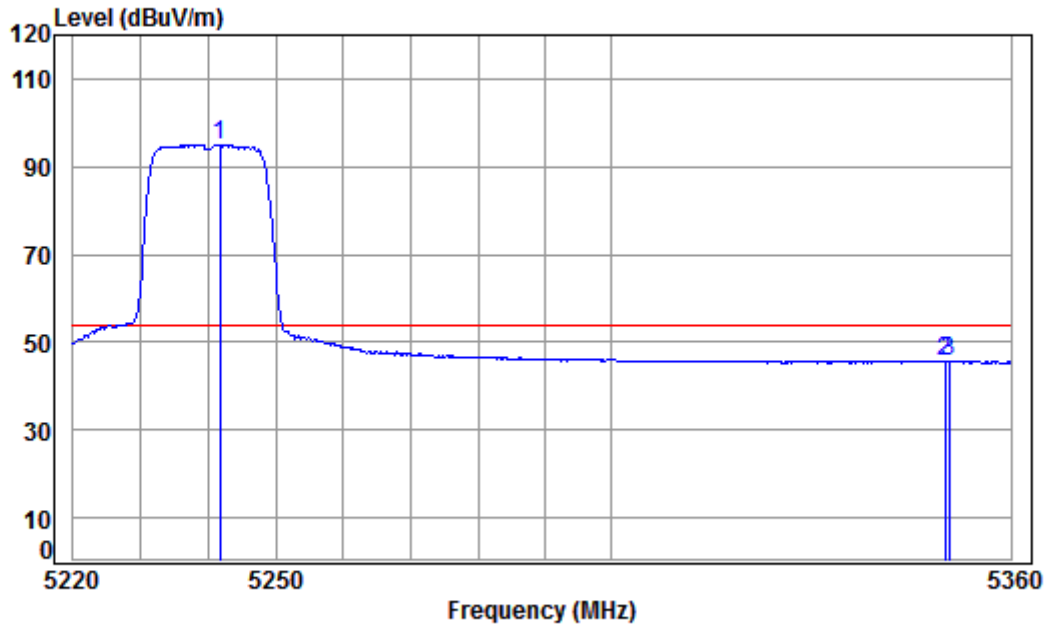
Mode : 5240 Band edge

: 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5237.991	8.12	34.45	38.45	97.26	101.38	74.00	27.38	Peak
2	5350.000	8.18	34.43	38.43	49.14	53.32	74.00	-20.68	Peak
3	5351.495	8.18	34.43	38.43	52.20	56.38	74.00	-17.62	Peak



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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

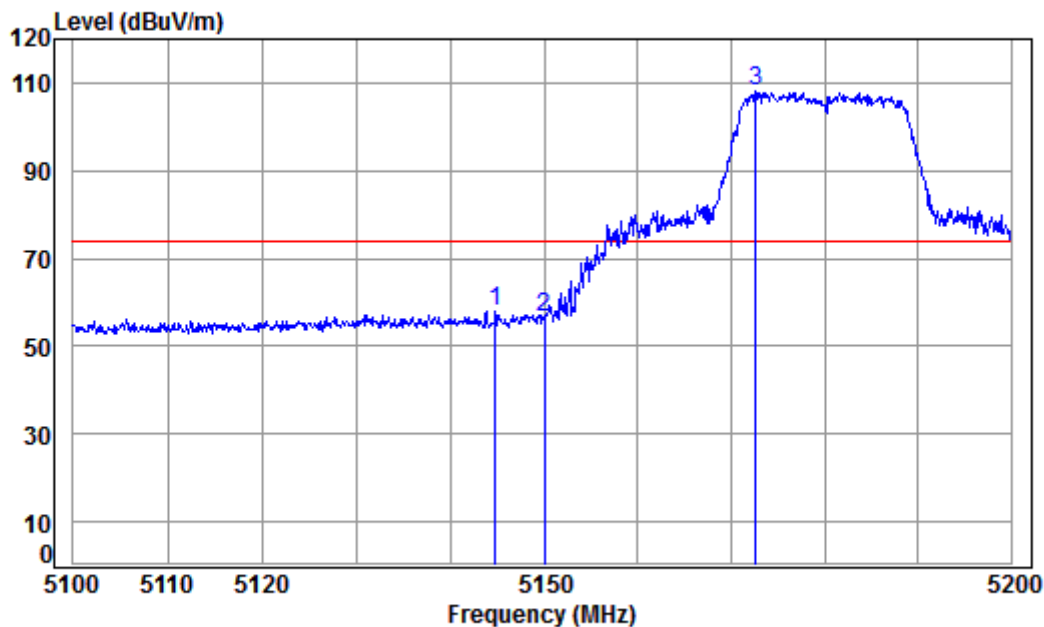
Mode : 5240 Band edge

: 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp 5241.735	8.12	34.45	38.45	90.93	95.05	54.00	41.05 Average
2	5350.000	8.18	34.43	38.43	41.27	45.45	54.00	-8.55 Average
3	5350.646	8.18	34.43	38.43	41.45	45.63	54.00	-8.37 Average



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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

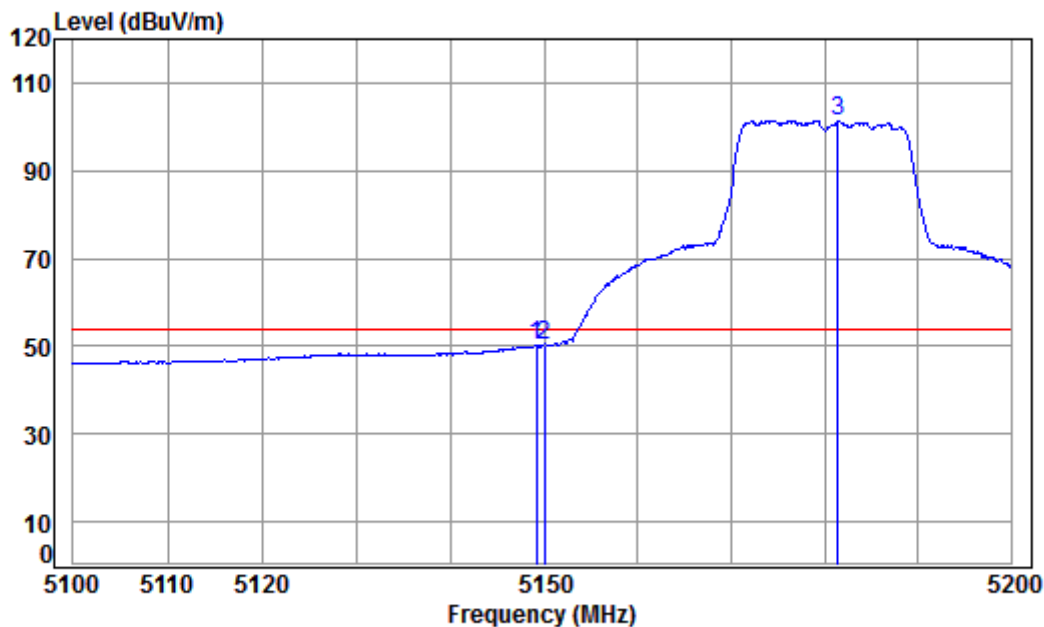
Mode : 5180 Band edge

: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5144.760	8.07	34.47	38.47	53.81	57.88	74.00	-16.12	peak
2	5150.000	8.08	34.47	38.47	52.66	56.74	74.00	-17.26	peak
3	pp 5172.607	8.09	34.46	38.47	103.96	108.04	74.00	34.04	peak



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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

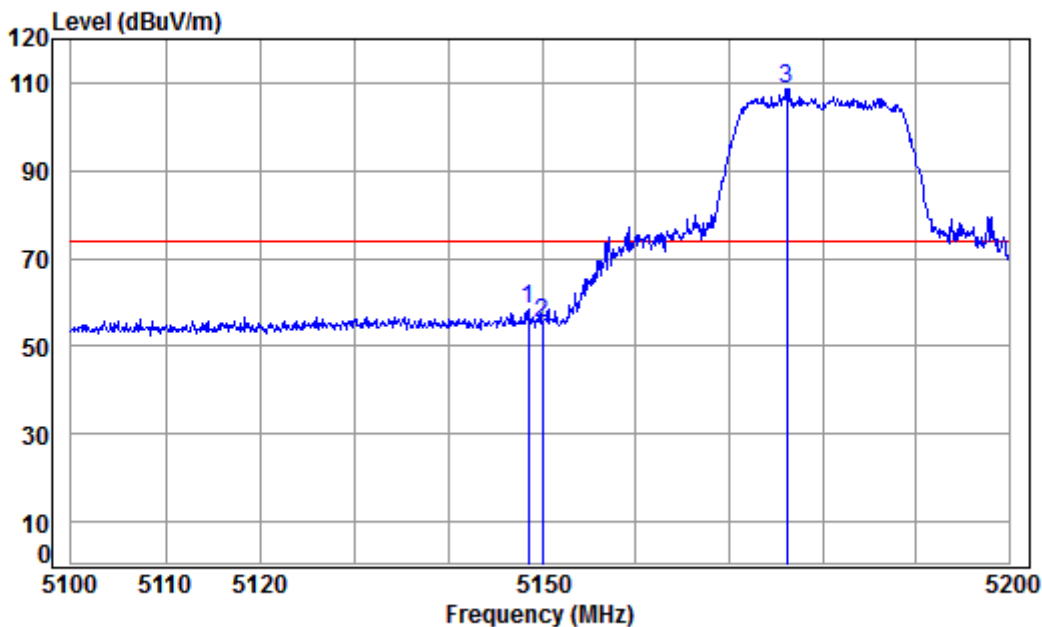
Mode : 5180 Band edge

: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.157	8.08	34.47	38.47	46.07	50.15	54.00	-3.85	Average
2	5150.000	8.08	34.47	38.47	45.98	50.06	54.00	-3.94	Average
3 pp	5181.454	8.09	34.46	38.46	97.31	101.40	54.00	47.40	Average



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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

Mode : 5180 Band edge

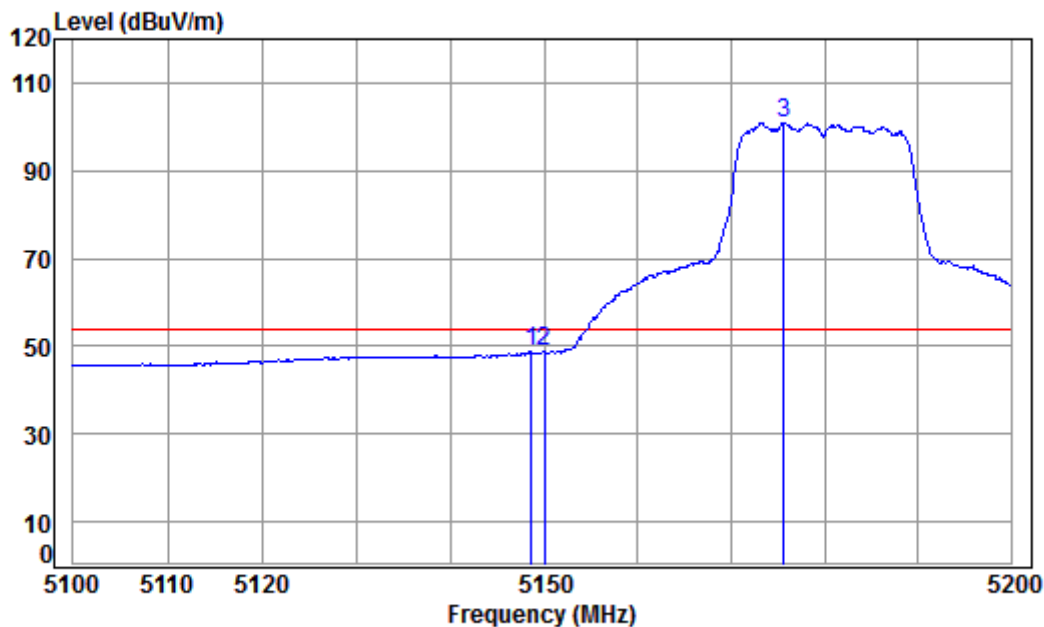
: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.558	8.08	34.47	38.47	54.54	58.62	74.00	-15.38	Peak
2	5150.000	8.08	34.47	38.47	50.94	55.02	74.00	-18.98	Peak
3	pp 5176.124	8.09	34.46	38.46	104.73	108.82	74.00	34.82	Peak





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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

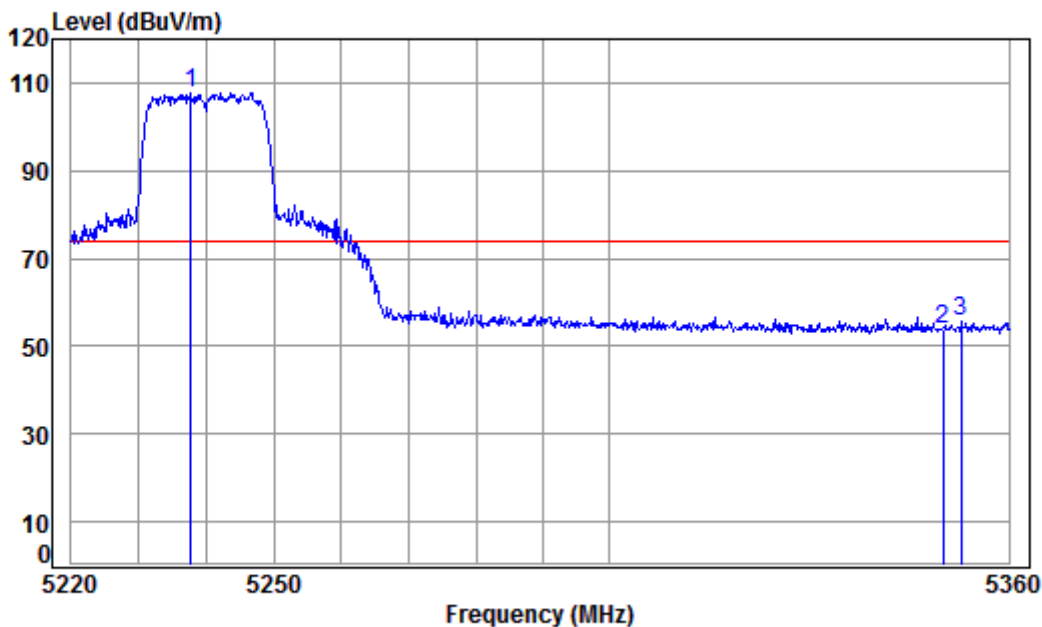
Mode : 5180 Band edge

: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.657	8.08	34.47	38.47	44.66	48.74	54.00	-5.26	Average
2	5150.000	8.08	34.47	38.47	44.61	48.69	54.00	-5.31	Average
3 pp	5175.622	8.09	34.46	38.46	96.79	100.88	54.00	46.88	Average



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

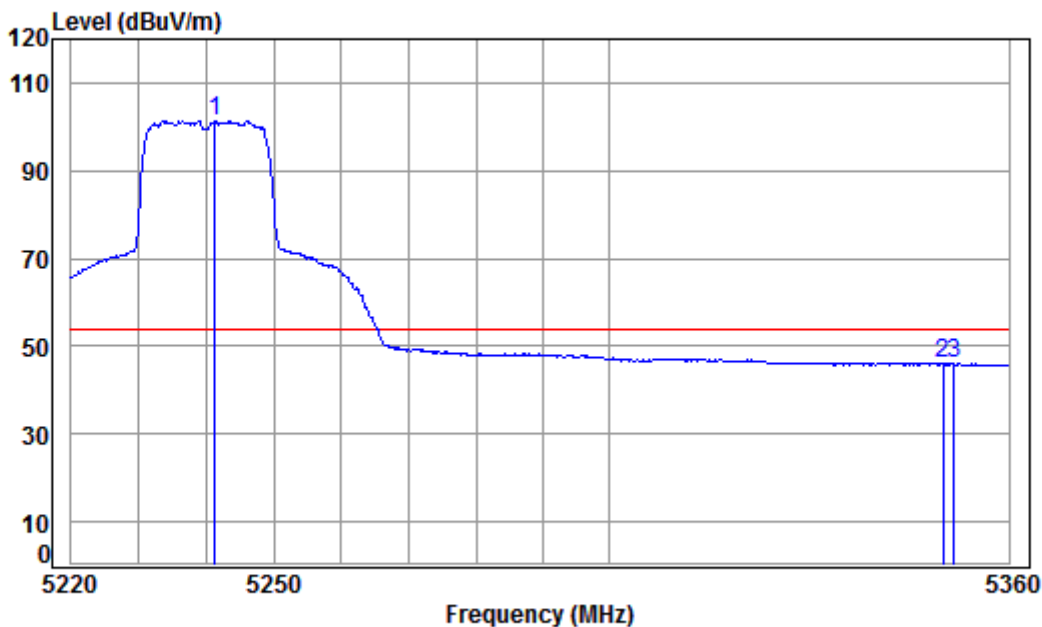


Condition: 3m HORIZONTAL  
Job No : 05891CR\05892CR  
Mode : 5240 Band edge  
: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5237.714	8.12	34.45	38.45	103.53	107.65	74.00	33.65	peak
2	5350.000	8.18	34.43	38.43	49.64	53.82	74.00	-20.18	peak
3	5352.770	8.18	34.43	38.43	51.29	55.47	74.00	-18.53	peak



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

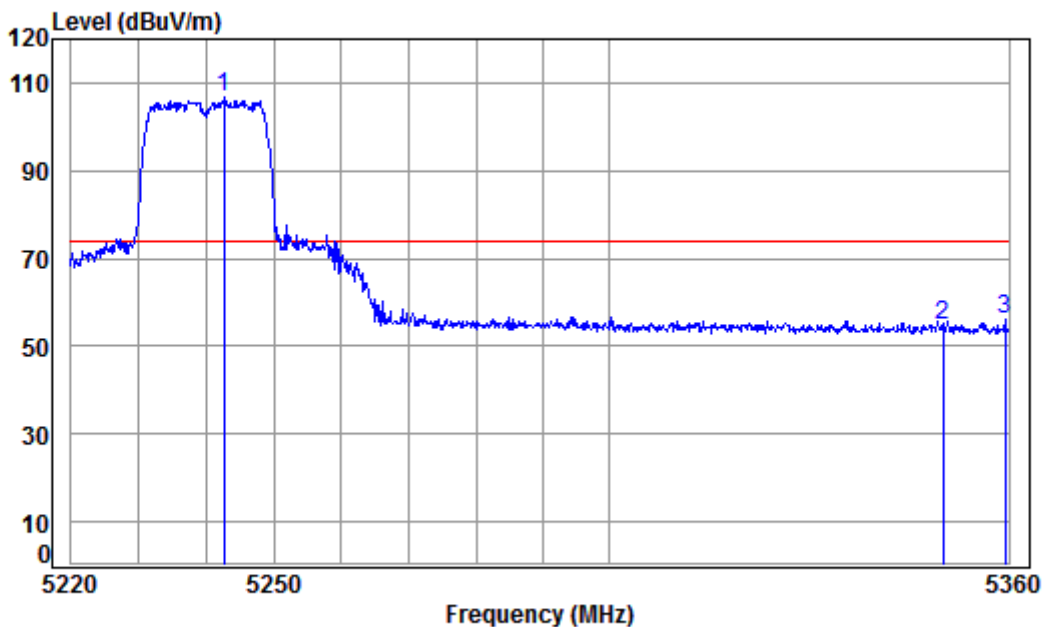


Condition: 3m HORIZONTAL  
Job No : 05891CR\05892CR  
Mode : 5240 Band edge  
: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5241.319	8.12	34.45	38.45	97.20	101.32	54.00	47.32	Average
2	5350.000	8.18	34.43	38.43	41.86	46.04	54.00	-7.96	Average
3	5351.637	8.18	34.43	38.43	41.82	46.00	54.00	-8.00	Average



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



Condition: 3m VERTICAL

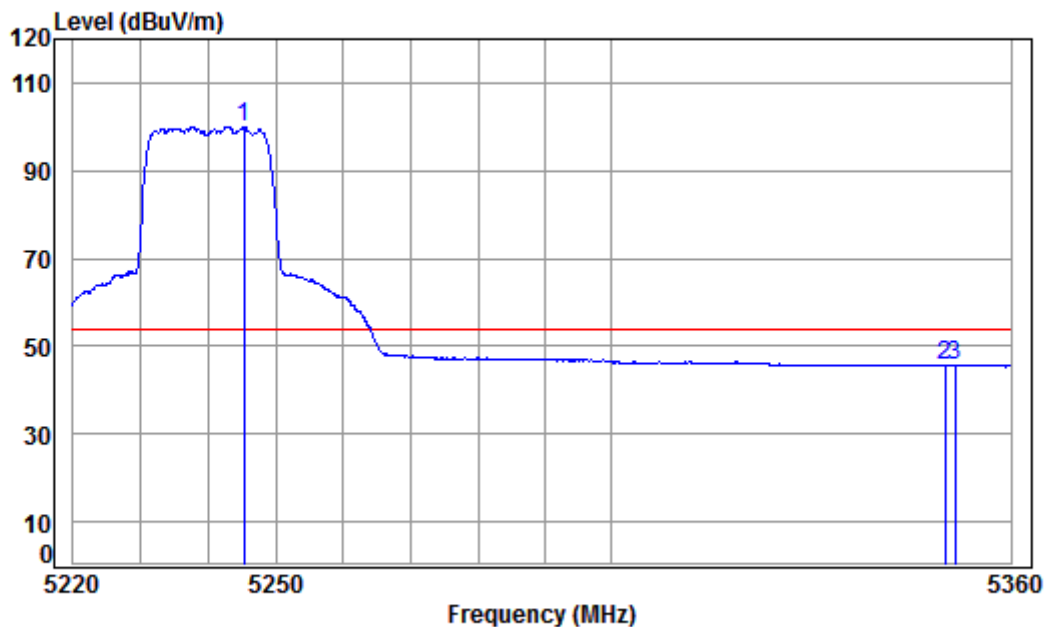
Job No : 05891CR\05892CR

Mode : 5240 Band edge

: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5242.568	8.12	34.45	38.45	102.49	106.61	74.00	32.61	Peak
2	5350.000	8.18	34.43	38.43	50.52	54.70	74.00	-19.30	Peak
3	5359.433	8.18	34.43	38.43	51.78	55.96	74.00	-18.04	Peak

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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

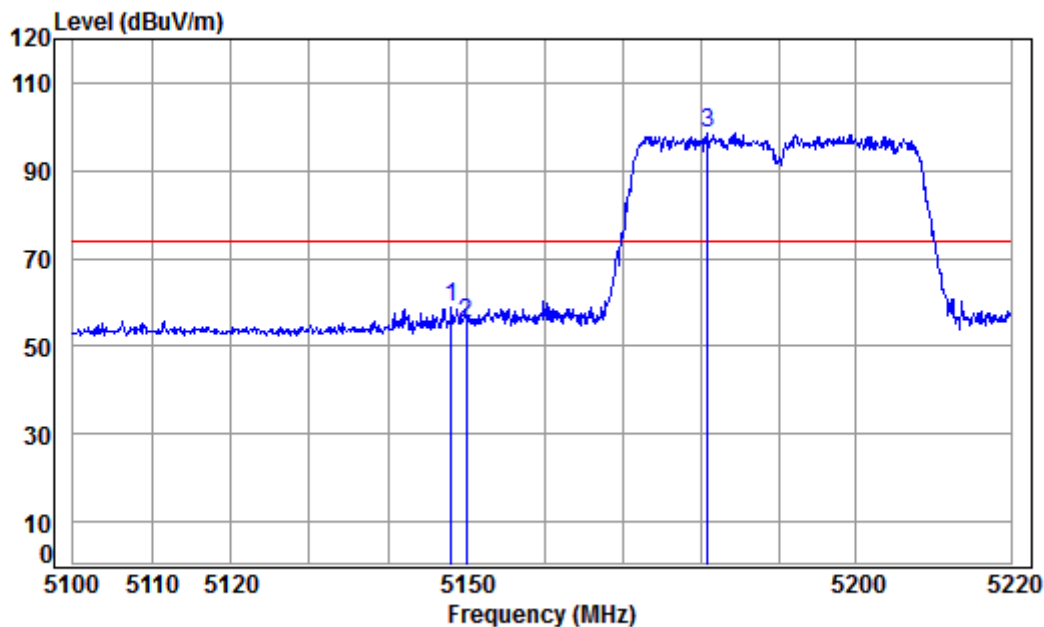
Mode : 5240 Band edge

: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5245.205	8.13	34.45	38.45	96.01	100.14	54.00	46.14	Average
2	5350.000	8.18	34.43	38.43	41.35	45.53	54.00	-8.47	Average
3	5351.495	8.18	34.43	38.43	41.51	45.69	54.00	-8.31	Average



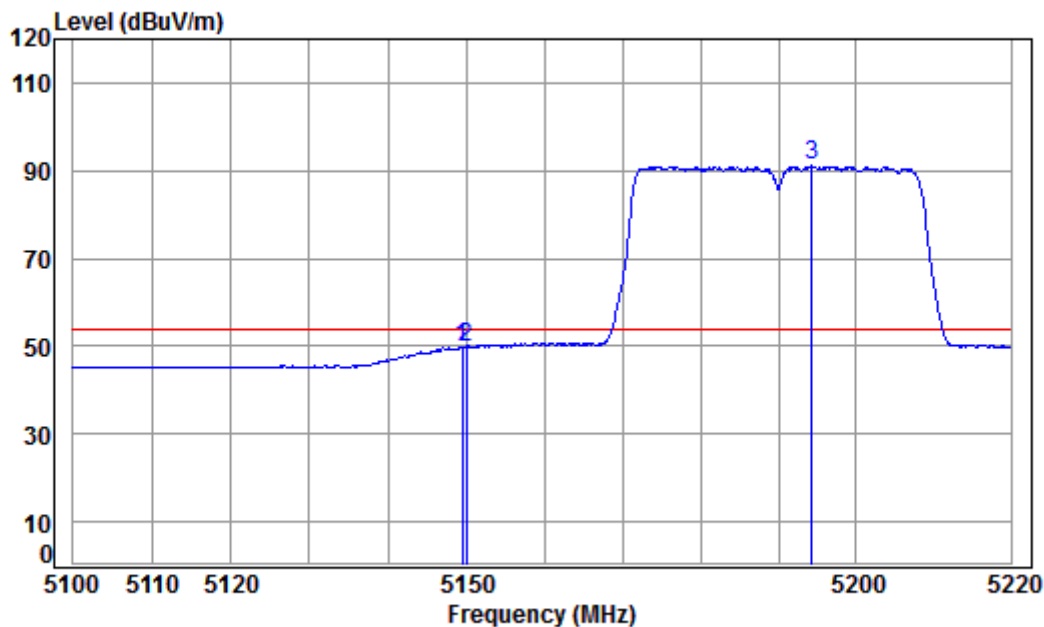
Mode:e; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL  
Job No : 05891CR\05892CR  
Mode : 5190 Band edge  
: 5G WIFI 11N40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.024	8.08	34.47	38.47	54.82	58.90	74.00	-15.10	peak
2	5150.000	8.08	34.47	38.47	51.28	55.36	74.00	-18.64	peak
3 pp	5180.935	8.09	34.46	38.46	94.59	98.68	74.00	24.68	peak

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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

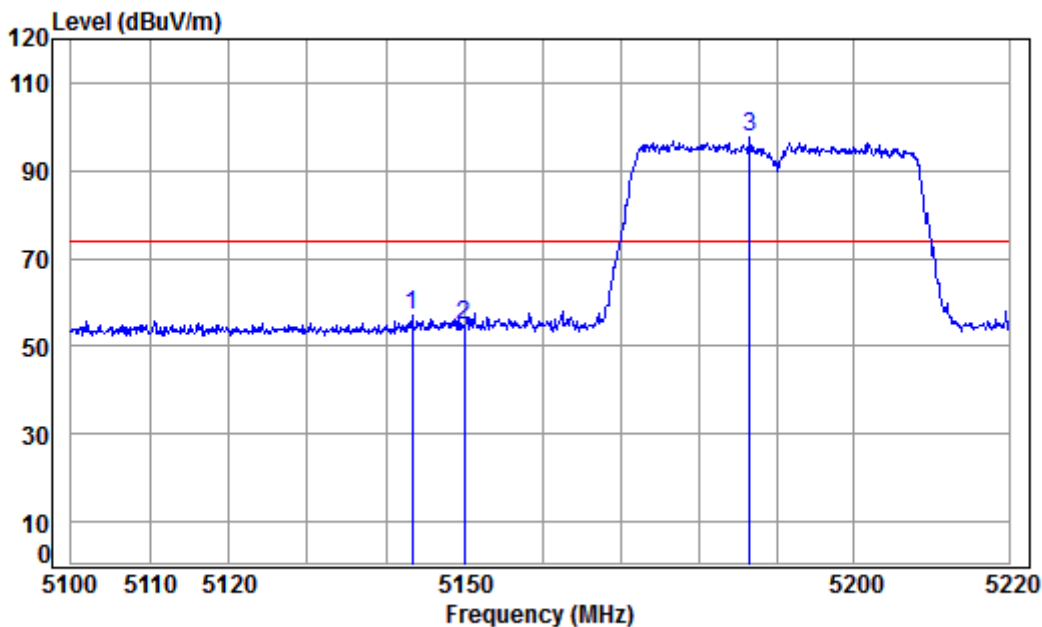
Mode : 5190 Band edge

: 5G WIFI 11N40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.461	8.08	34.47	38.47	45.84	49.92	54.00	-4.08	Average
2	5150.000	8.08	34.47	38.47	45.63	49.71	54.00	-4.29	Average
3 pp	5194.326	8.10	34.46	38.46	87.09	91.19	54.00	37.19	Average



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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

Mode : 5190 Band edge

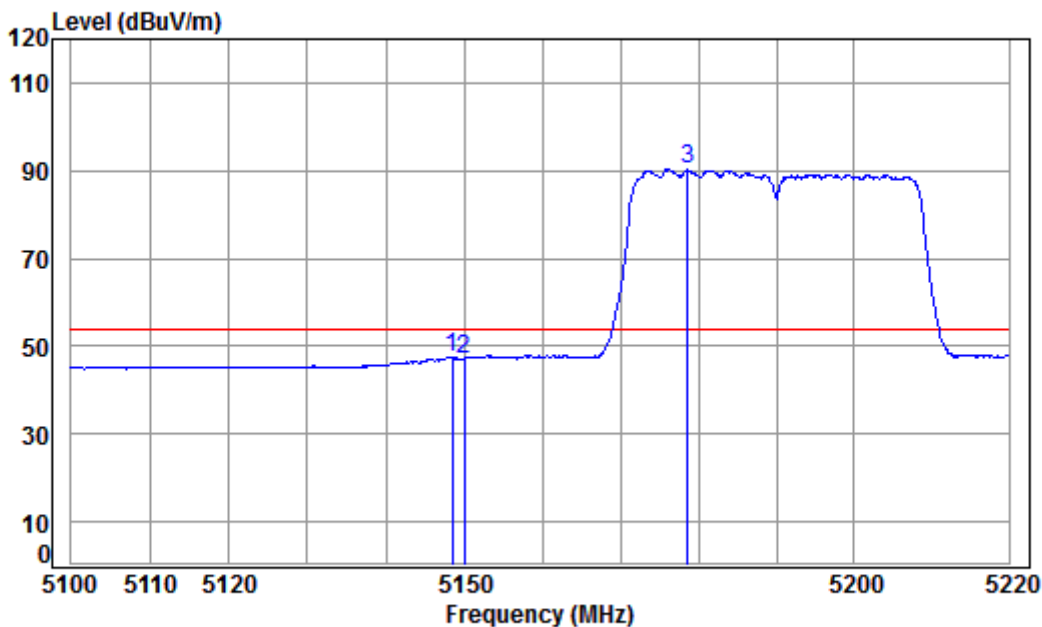
: 5G WIFI 11N40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5143.357	8.07	34.47	38.47	52.77	56.84	74.00	-17.16	Peak
2	5150.000	8.08	34.47	38.47	50.54	54.62	74.00	-19.38	Peak
3 pp	5186.601	8.10	34.46	38.46	93.43	97.53	74.00	23.53	Peak





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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

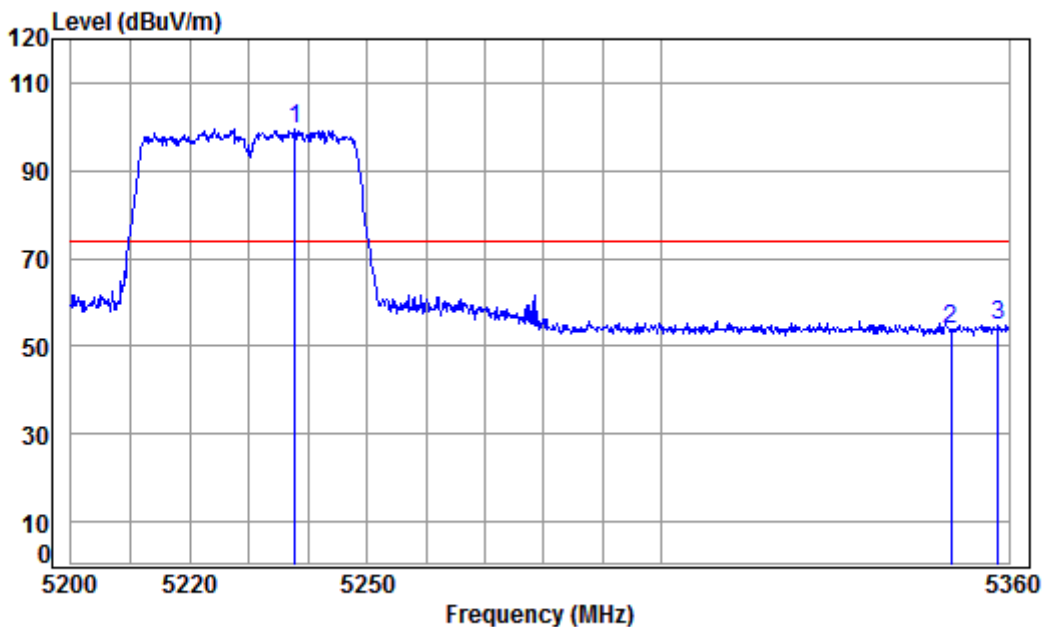
Mode : 5190 Band edge

: 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.503	8.08	34.47	38.47	43.44	47.52	54.00	-6.48 Average
2	5150.000	8.08	34.47	38.47	43.04	47.12	54.00	-6.88 Average
3 pp	5178.646	8.09	34.46	38.46	86.18	90.27	54.00	36.27 Average



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

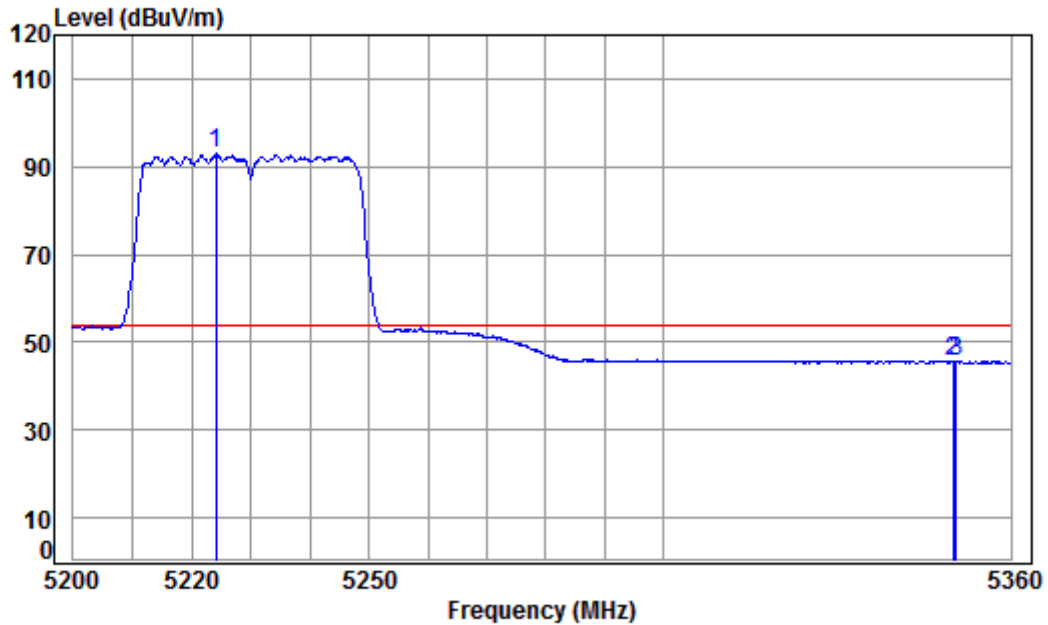


Condition: 3m HORIZONTAL  
Job No : 05891CR\05892CR  
Mode : 5230 Band edge  
: 5G WIFI 11N40

		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 5237.800	8.12	34.45	38.45	95.29	99.41	74.00	25.41	peak
2	5350.000	8.18	34.43	38.43	49.55	53.73	74.00	-20.27	peak
3	5358.213	8.18	34.43	38.43	50.74	54.92	74.00	-19.08	peak



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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

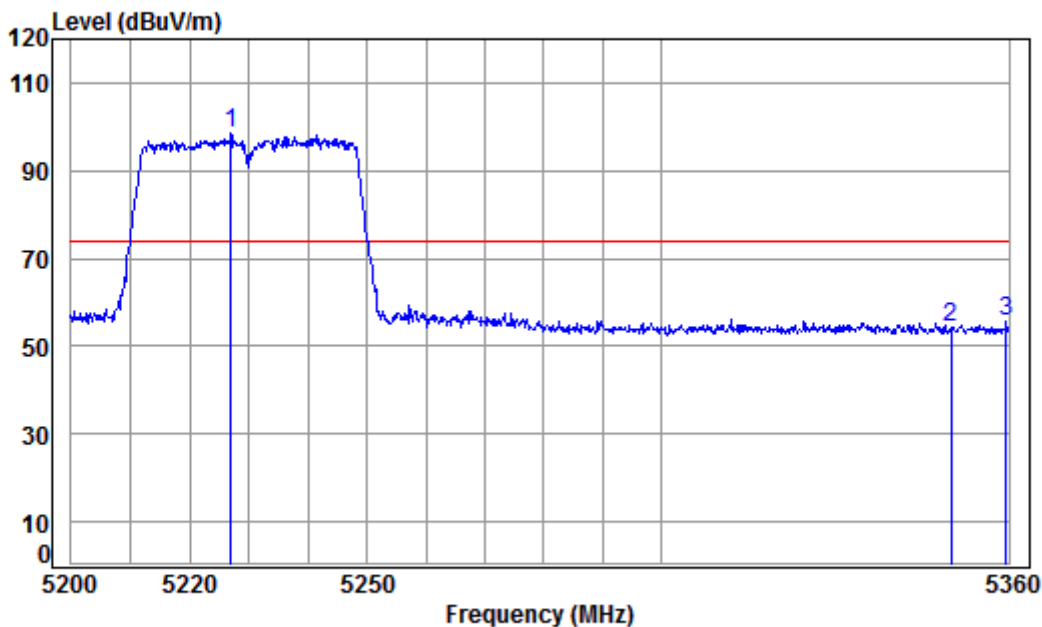
Mode : 5230 Band edge

: 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 5224.009	8.11	34.45	38.46	88.85	92.95	54.00	38.95	Average
2	5350.000	8.18	34.43	38.43	41.24	45.42	54.00	-8.58	Average
3	5350.587	8.18	34.43	38.43	41.34	45.52	54.00	-8.48	Average



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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

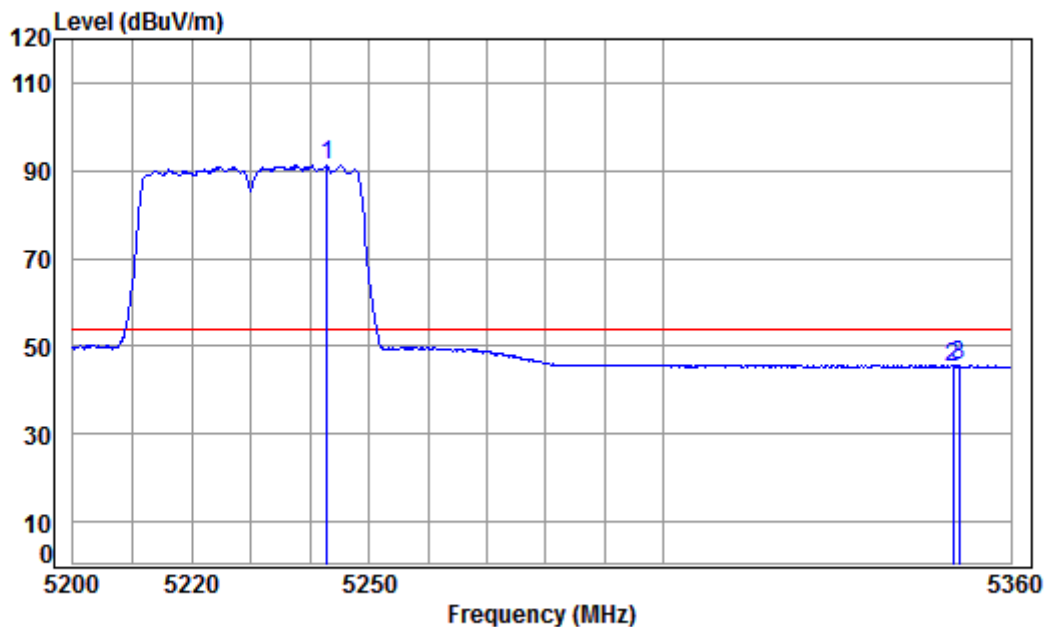
Mode : 5230 Band edge

: 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 5227.018	8.12	34.45	38.45	94.50	98.62	74.00	24.62	Peak
2	5350.000	8.18	34.43	38.43	50.05	54.23	74.00	-19.77	Peak
3	5359.513	8.18	34.43	38.43	51.27	55.45	74.00	-18.55	Peak



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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

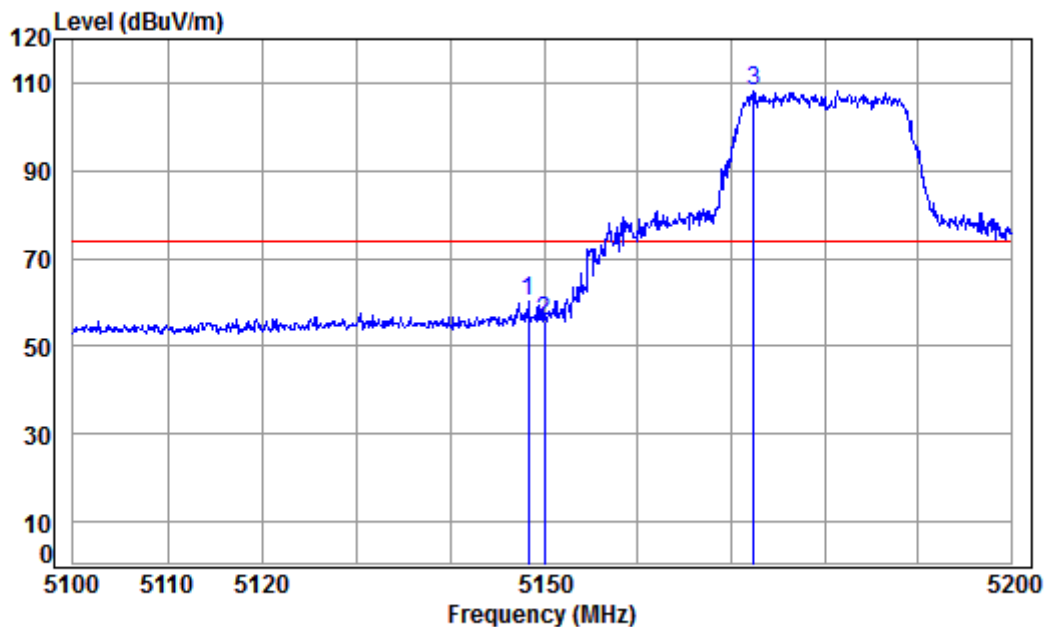
Mode : 5230 Band edge

: 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 5242.882	8.12	34.45	38.45	87.17	91.29	54.00	37.29	Average
2	5350.000	8.18	34.43	38.43	41.21	45.39	54.00	-8.61	Average
3	5351.073	8.18	34.43	38.43	41.27	45.45	54.00	-8.55	Average



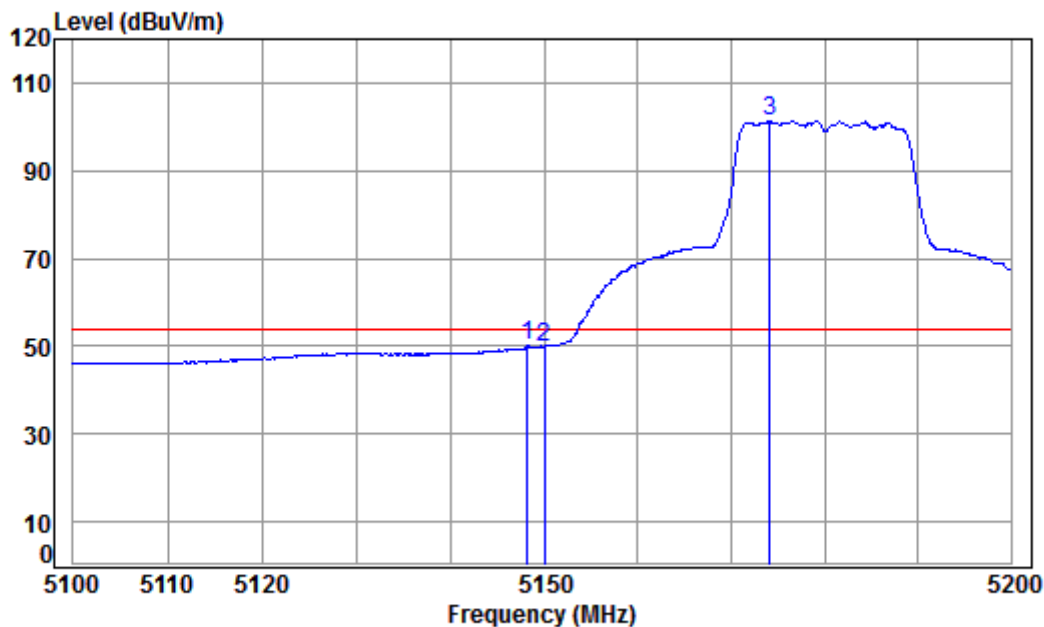
Mode:e; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL  
Job No : 05891CR\05892CR  
Mode : 5180 Band edge  
: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.357	8.08	34.47	38.47	56.16	60.24	74.00	-13.76	peak
2	5150.000	8.08	34.47	38.47	51.72	55.80	74.00	-18.20	peak
3	pp 5172.407	8.09	34.46	38.47	104.02	108.10	74.00	34.10	peak

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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

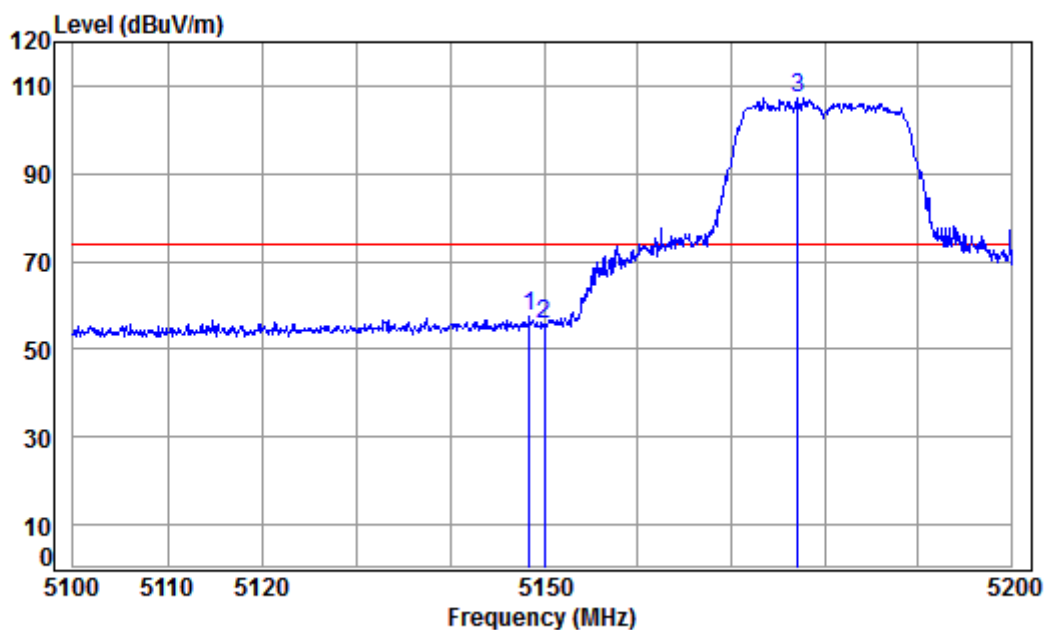
Mode : 5180 Band edge

: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.257	8.08	34.47	38.47	45.89	49.97	54.00	-4.03	Average
2	5150.000	8.08	34.47	38.47	45.77	49.85	54.00	-4.15	Average
3 pp	5174.114	8.09	34.46	38.47	97.20	101.28	54.00	47.28	Average



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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

Mode : 5180 Band edge

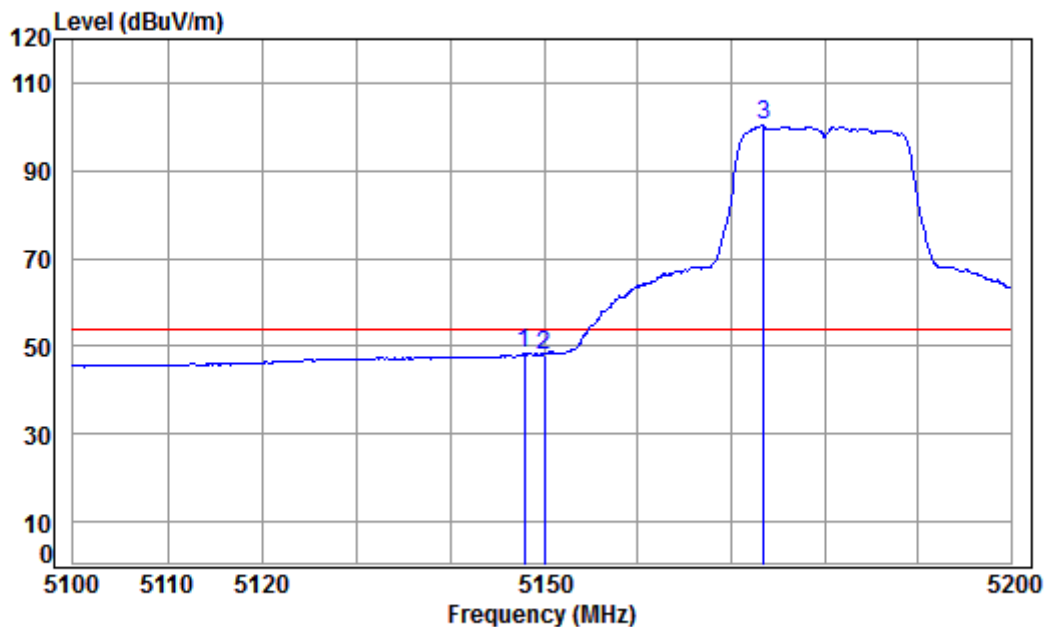
: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.458	8.08	34.47	38.47	53.48	57.56	74.00	-16.44	Peak
2	5150.000	8.08	34.47	38.47	51.65	55.73	74.00	-18.27	Peak
3 pp	5177.129	8.09	34.46	38.46	103.20	107.29	74.00	33.29	Peak





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



Condition: 3m VERTICAL

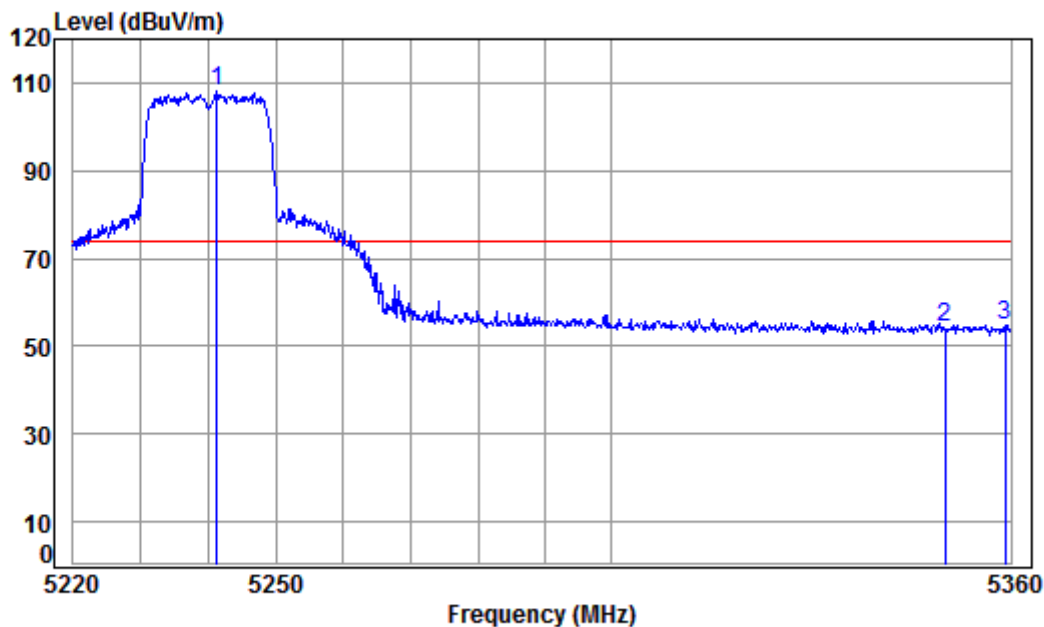
Job No : 05891CR\05892CR

Mode : 5180 Band edge

: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5147.857	8.08	34.47	38.47	44.20	48.28	54.00	-5.72	Average
2	5150.000	8.08	34.47	38.47	44.03	48.11	54.00	-5.89	Average
3 pp	5173.411	8.09	34.46	38.47	96.19	100.27	54.00	46.27	Average

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



Condition: 3m HORIZONTAL

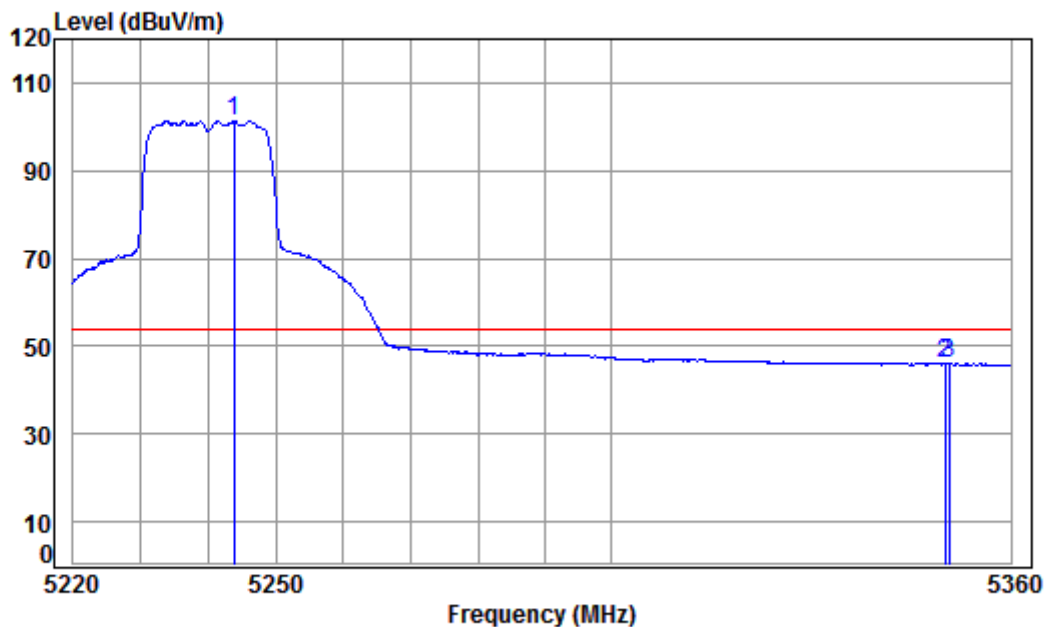
Job No : 05891CR\05892CR

Mode : 5240 Band edge

: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5241.319	8.12	34.45	38.45	103.80	107.92	74.00	33.92	peak
2	5350.000	8.18	34.43	38.43	50.13	54.31	74.00	-19.69	peak
3	5359.149	8.18	34.43	38.43	50.64	54.82	74.00	-19.18	peak

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



Condition: 3m HORIZONTAL

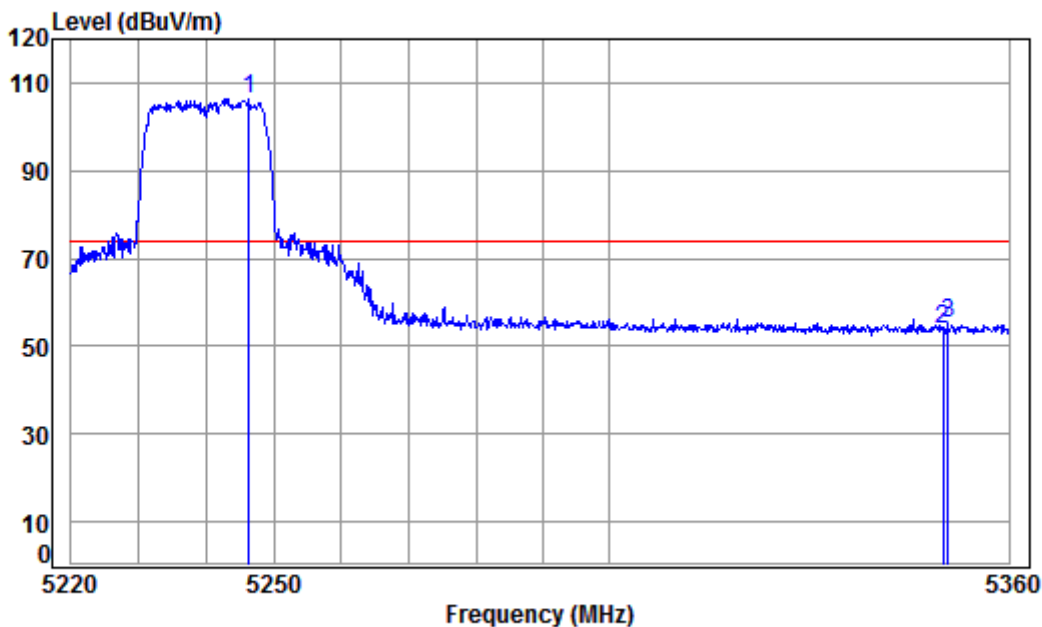
Job No : 05891CR\05892CR

Mode : 5240 Band edge

: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5243.817	8.12	34.45	38.45	97.14	101.26	54.00	47.26	Average
2	5350.000	8.18	34.43	38.43	41.74	45.92	54.00	-8.08	Average
3	5350.646	8.18	34.43	38.43	41.82	46.00	54.00	-8.00	Average

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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

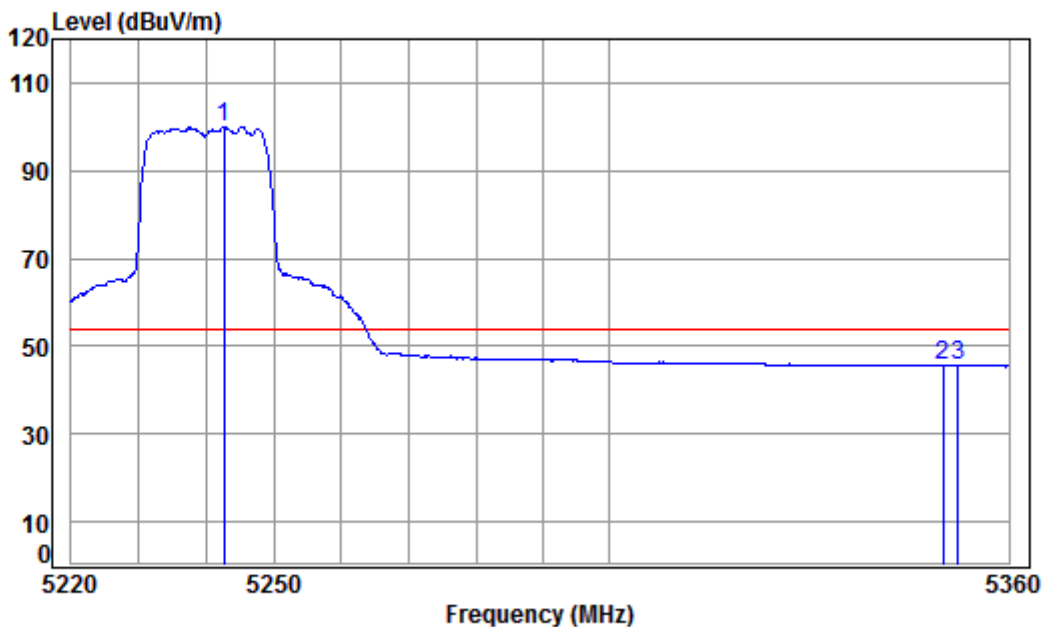
Mode : 5240 Band edge

: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5246.315	8.13	34.45	38.45	102.18	106.31	74.00	32.31	Peak
2	5350.000	8.18	34.43	38.43	49.84	54.02	74.00	-19.98	Peak
3	5350.787	8.18	34.43	38.43	50.98	55.16	74.00	-18.84	Peak



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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

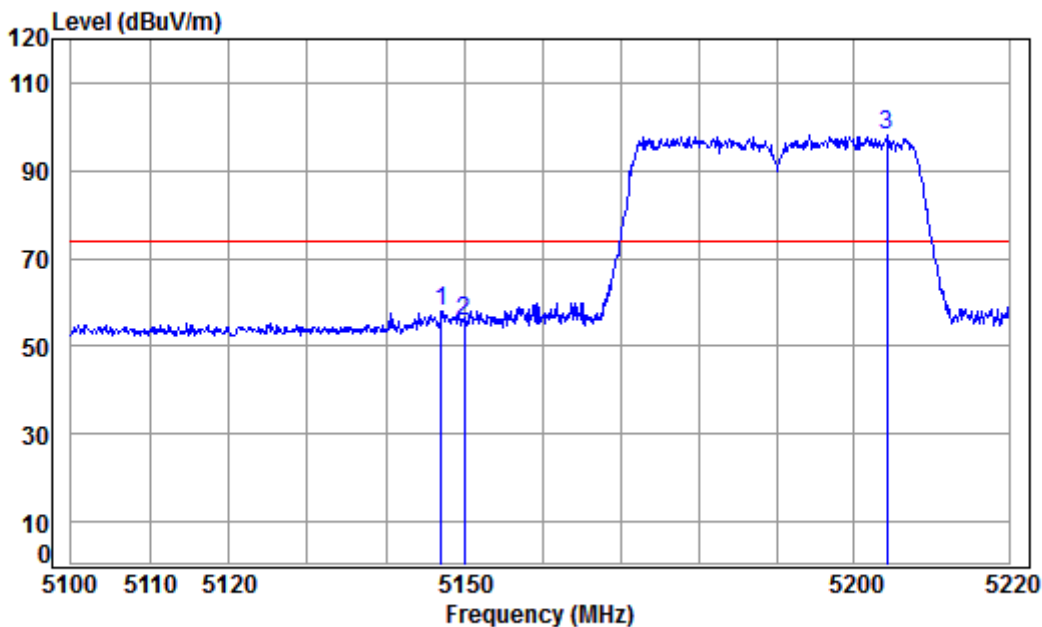
Mode : 5240 Band edge

: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5242.568	8.12	34.45	38.45	96.02	100.14	54.00	46.14	Average
2	5350.000	8.18	34.43	38.43	41.48	45.66	54.00	-8.34	Average
3	5352.345	8.18	34.43	38.43	41.51	45.69	54.00	-8.31	Average



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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

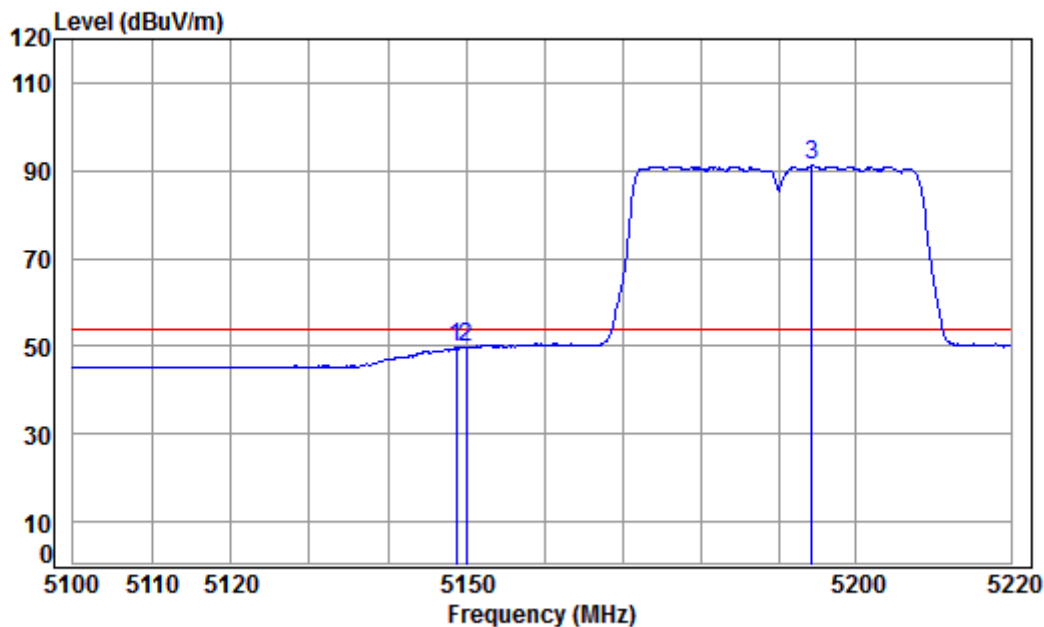
Mode : 5190 Band edge

: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5147.067	8.08	34.47	38.47	53.72	57.80	74.00	-16.20	peak
2	5150.000	8.08	34.47	38.47	51.79	55.87	74.00	-18.13	peak
3 pp	5204.242	8.11	34.46	38.46	94.07	98.18	74.00	24.18	peak



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



Condition: 3m HORIZONTAL

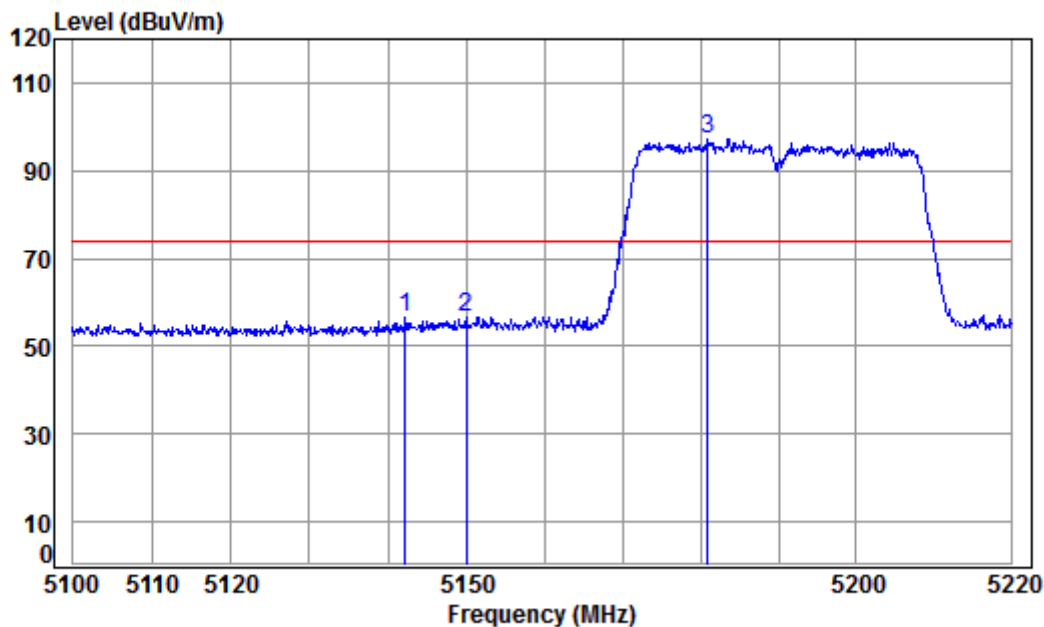
Job No : 05891CR\05892CR

Mode : 5190 Band edge

: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.743	8.08	34.47	38.47	45.53	49.61	54.00	-4.39	Average
2	5150.000	8.08	34.47	38.47	45.61	49.69	54.00	-4.31	Average
3 pp	5194.326	8.10	34.46	38.46	86.95	91.05	54.00	37.05	Average

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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

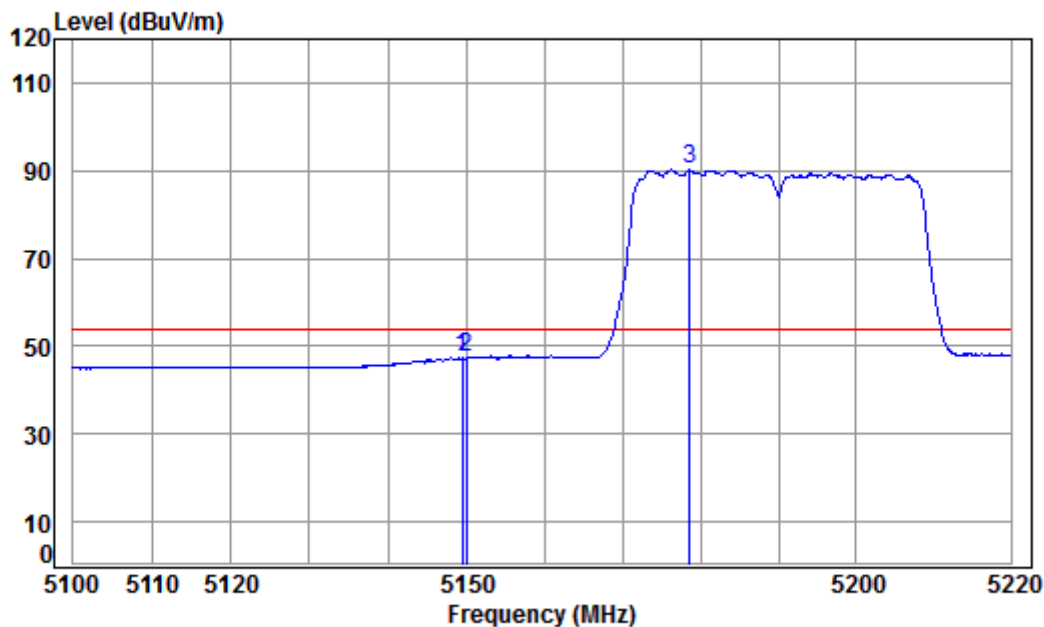
Mode : 5190 Band edge

: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5142.161	8.07	34.47	38.47	52.48	56.55	74.00	-17.45	Peak
2	5150.000	8.08	34.47	38.47	52.68	56.76	74.00	-17.24	Peak
3 pp	5180.935	8.09	34.46	38.46	93.06	97.15	74.00	23.15	Peak



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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

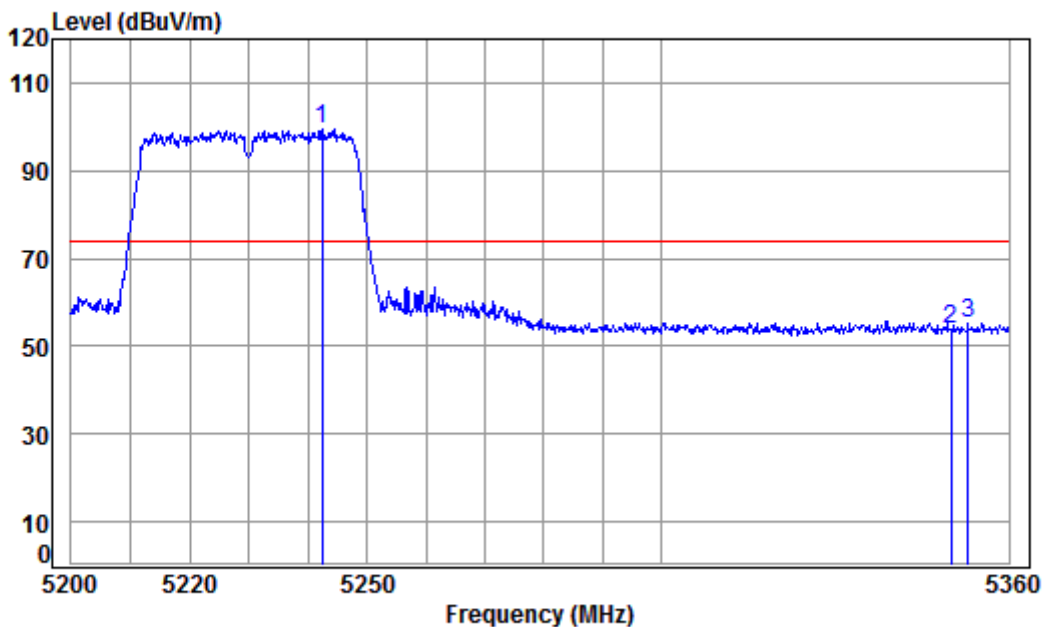
Mode : 5190 Band edge

: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.461	8.08	34.47	38.47	43.19	47.27	54.00	-6.73	Average
2	5150.000	8.08	34.47	38.47	43.15	47.23	54.00	-6.77	Average
3 pp	5178.525	8.09	34.46	38.46	86.10	90.19	54.00	36.19	Average



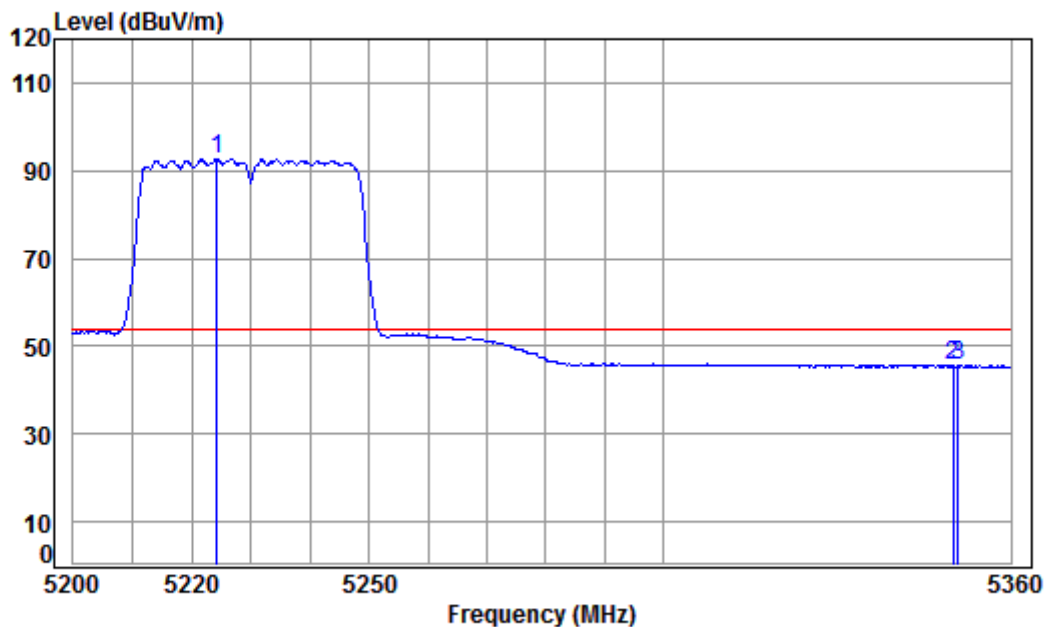
Mode:e; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL  
Job No : 05891CR\05892CR  
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 5242.405	8.12	34.45	38.45	95.22	99.34	74.00	25.34	peak
2	5350.000	8.18	34.43	38.43	49.64	53.82	74.00	-20.18	peak
3	5352.857	8.18	34.43	38.43	51.10	55.28	74.00	-18.72	peak

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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

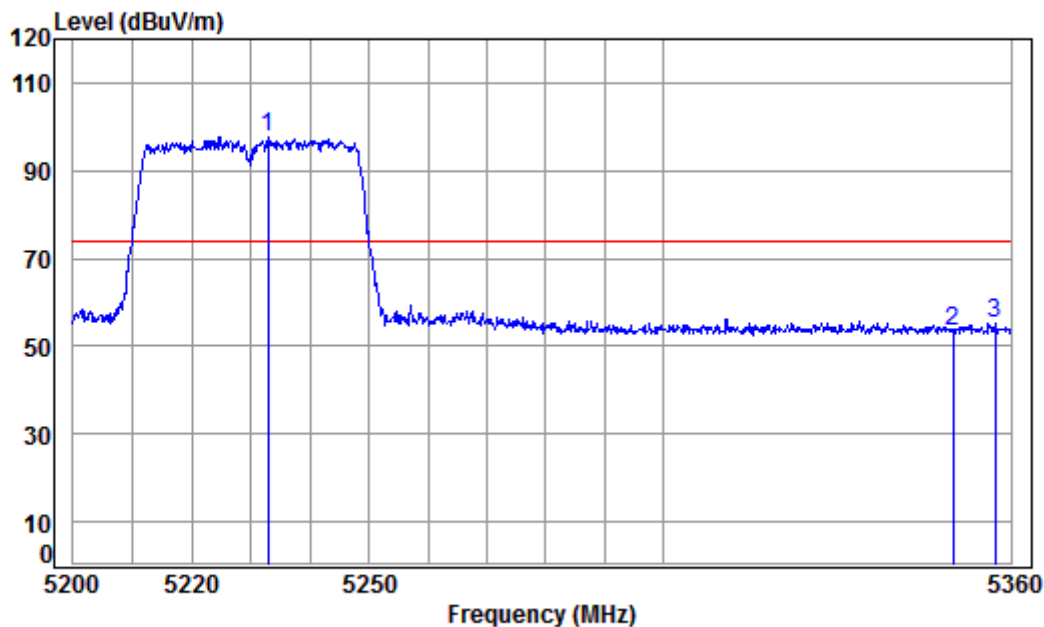
Mode : 5230 Band edge

: 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 5224.325	8.12	34.45	38.46	88.74	92.85	54.00	38.85	Average
2	5350.000	8.18	34.43	38.43	41.27	45.45	54.00	-8.55	Average
3	5350.911	8.18	34.43	38.43	41.30	45.48	54.00	-8.52	Average



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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

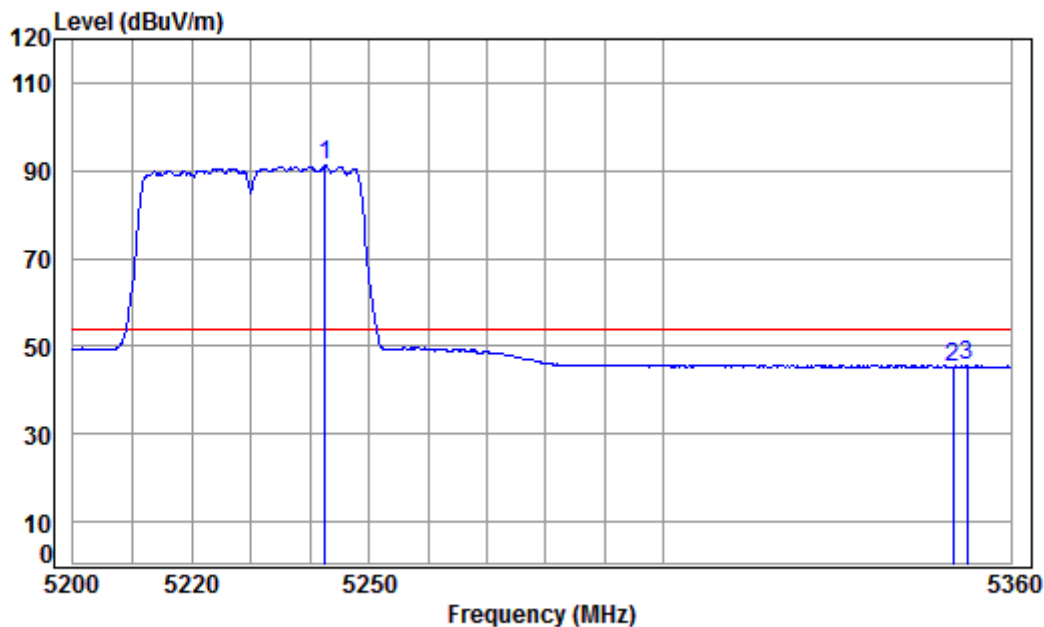
Mode : 5230 Band edge

: 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 5232.882	8.12	34.45	38.45	93.37	97.49	74.00	23.49	Peak
2	5350.000	8.18	34.43	38.43	49.35	53.53	74.00	-20.47	Peak
3	5357.239	8.18	34.43	38.43	51.12	55.30	74.00	-18.70	Peak



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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

Mode : 5230 Band edge

: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp 5242.564	8.12	34.45	38.45	86.92	91.04	54.00	37.04 Average
2	5350.000	8.18	34.43	38.43	41.17	45.35	54.00	-8.65 Average
3	5352.371	8.18	34.43	38.43	41.29	45.47	54.00	-8.53 Average

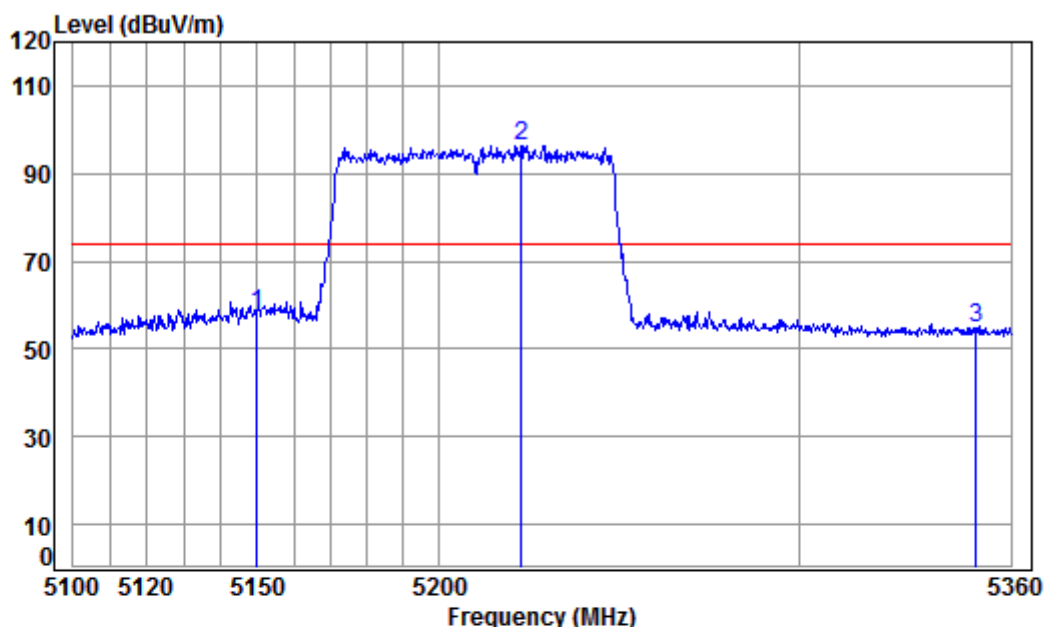


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Shenzhen Branch

Report No.: SZEM170600589105

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Mode:e; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:80MHz; Channel:Middle



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

Mode : 5210 Band edge

: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.947	8.08	34.47	38.47	54.01	58.09	74.00	-15.91	peak
2	pp 5222.668	8.11	34.45	38.46	92.37	96.47	74.00	22.47	peak
3	5350.000	8.18	34.43	38.43	50.55	54.73	74.00	-19.27	peak

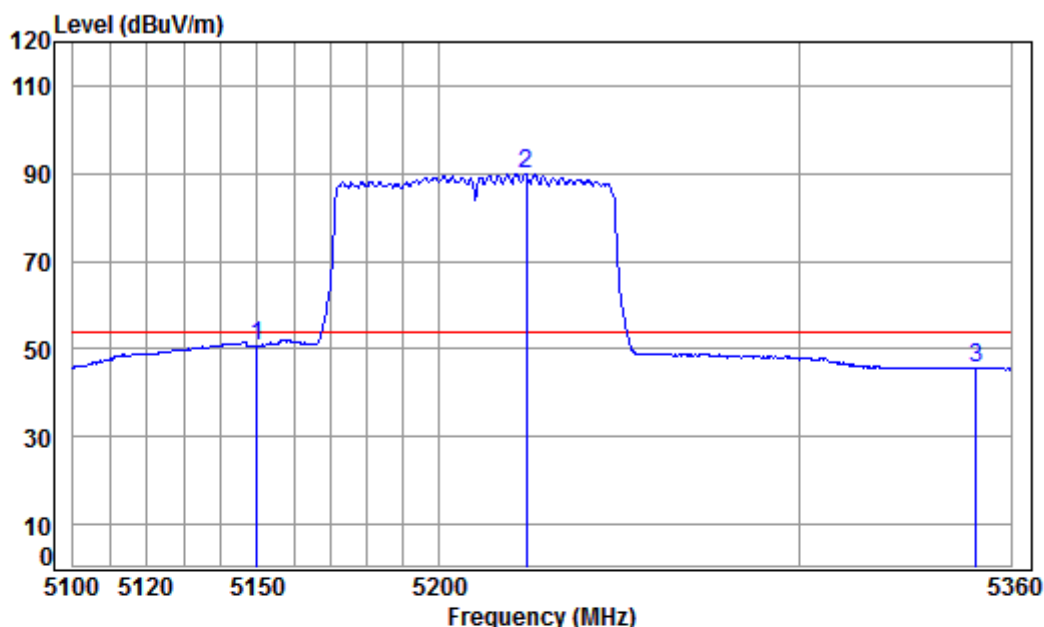


SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch

Report No.: SZEM170600589105

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Mode:e; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:80MHz; Channel:Middle



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

Mode : 5210 Band edge

: 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.947	8.08	34.47	38.47	46.58	50.66	54.00	-3.34	Average
2 pp	5223.966	8.11	34.45	38.46	85.91	90.01	54.00	36.01	Average
3	5350.000	8.18	34.43	38.43	41.44	45.62	54.00	-8.38	Average

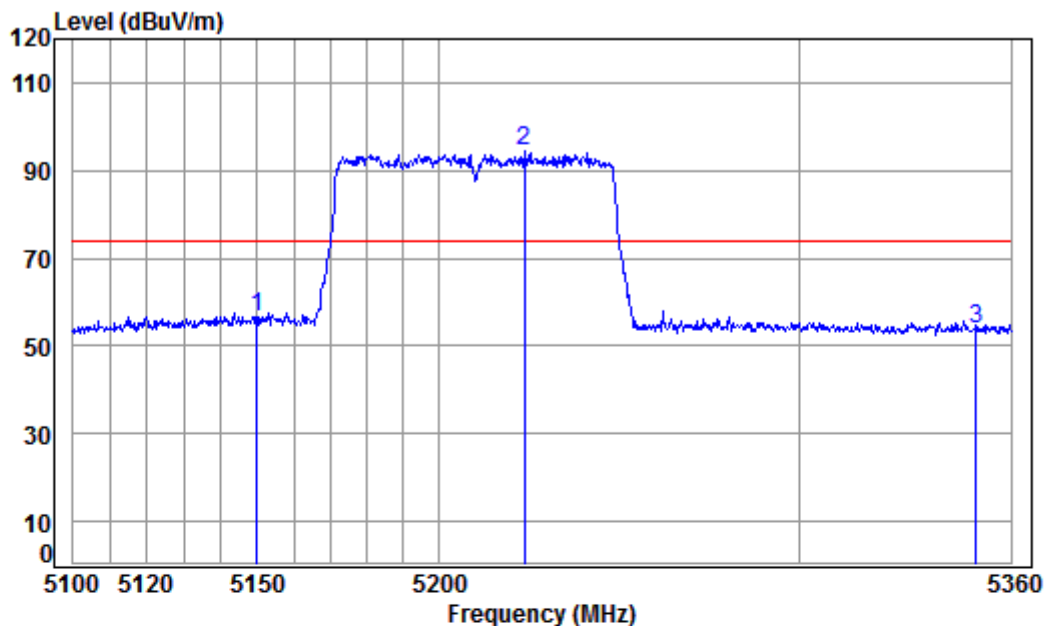


SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch

Report No.: SZEM170600589105

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Mode:e; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:80MHz; Channel:Middle



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

Mode : 5210 Band edge

: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.947	8.08	34.47	38.47	52.55	56.63	74.00	-17.37	Peak
2	pp 5223.447	8.11	34.45	38.46	90.26	94.36	74.00	20.36	Peak
3	5350.000	8.18	34.43	38.43	49.69	53.87	74.00	-20.13	Peak



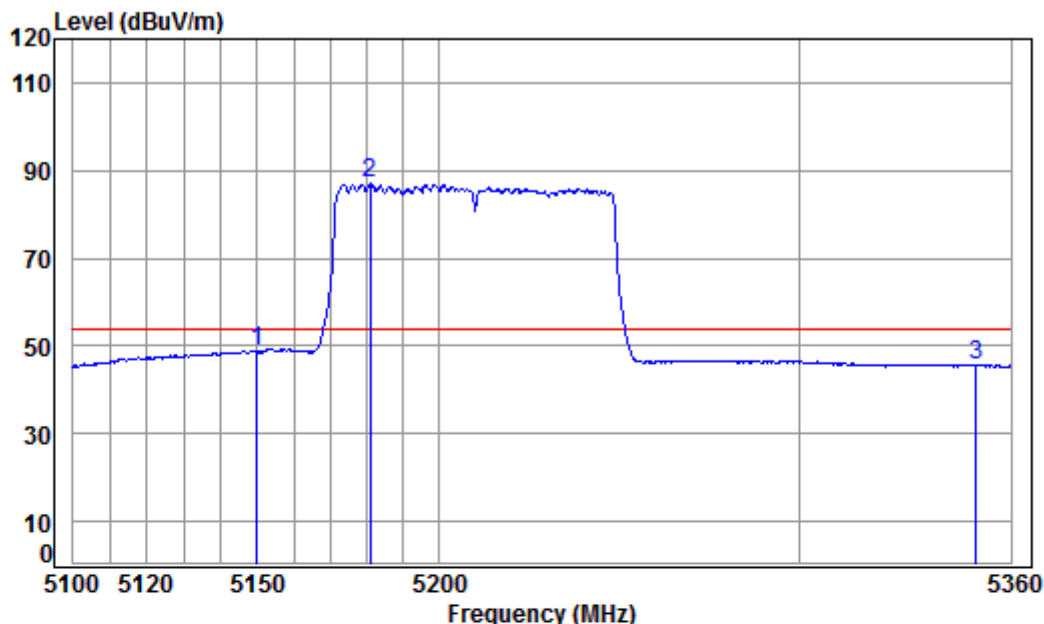


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Shenzhen Branch

Report No.: SZEM170600589105

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Mode:e; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:80MHz; Channel:Middle



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

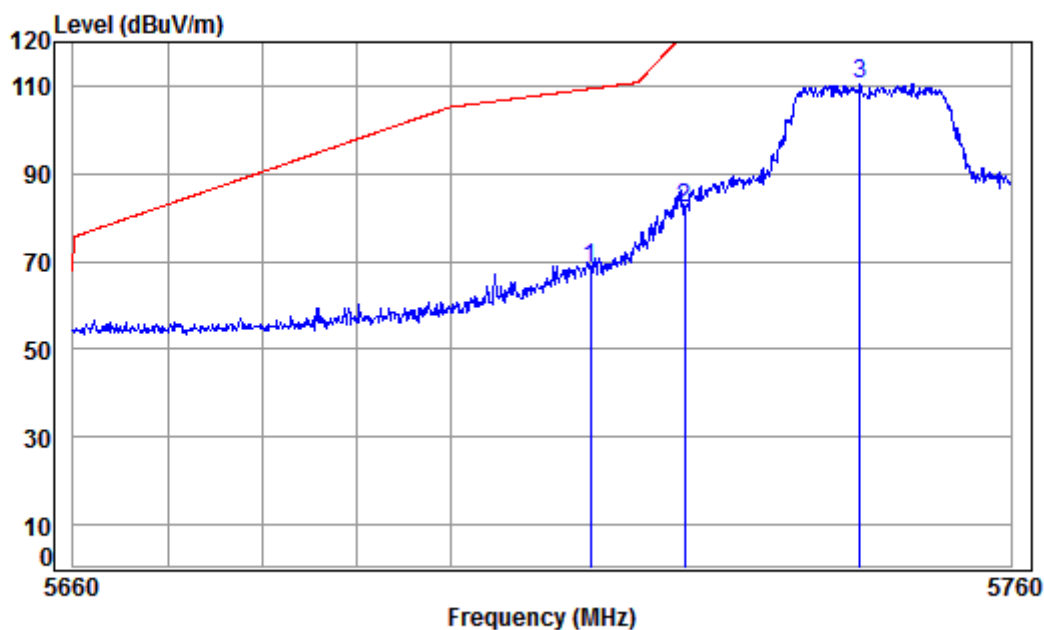
Mode : 5210 Band edge

: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.947	8.08	34.47	38.47	44.58	48.66	54.00	-5.34	Average
2	pp 5181.025	8.09	34.46	38.46	82.88	86.97	54.00	32.97	Average
3	5350.000	8.18	34.43	38.43	41.26	45.44	54.00	-8.56	Average



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



Condition: 3m HORIZONTAL

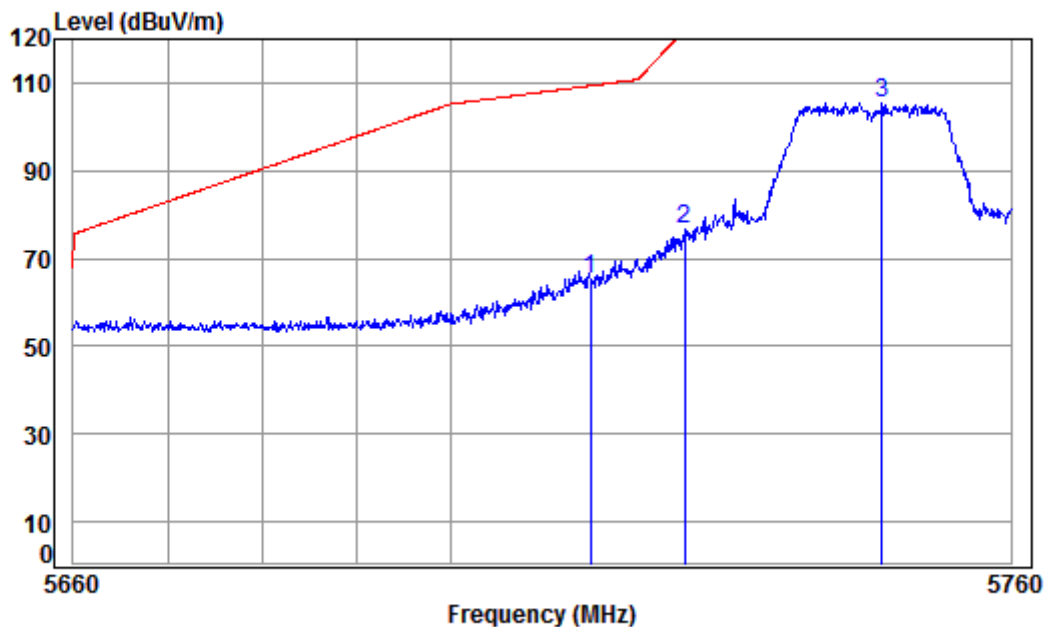
Job No : 05891CR\05892CR

Mode : 5745 Band edge

: 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	8.47	34.53	38.36	63.97	68.61	109.40	-40.79 peak
2	5725.000	8.48	34.54	38.35	77.41	82.08	122.20	-40.12 peak
3 pp	5743.781	8.50	34.55	38.35	105.70	110.40	125.20	-14.80 peak

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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

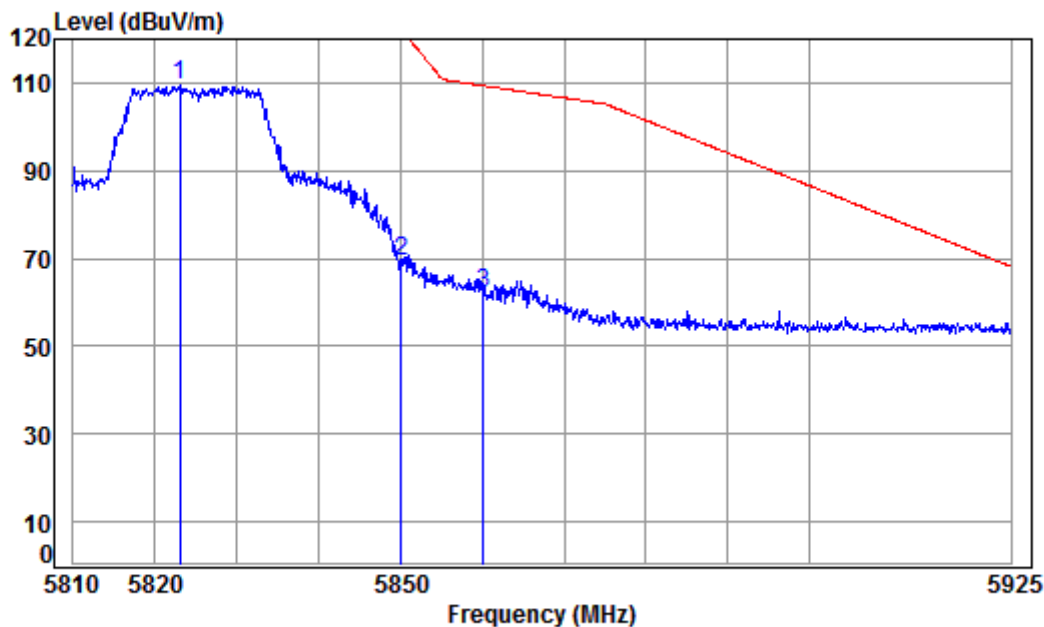
Mode : 5745 Band edge

: 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	8.47	34.53	38.36	60.56	65.20	109.40	-44.20	peak
2	5725.000	8.48	34.54	38.35	72.03	76.70	122.20	-45.50	peak
3 pp	5746.196	8.50	34.55	38.35	100.73	105.43	125.20	-19.77	peak



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



Condition: 3m HORIZONTAL

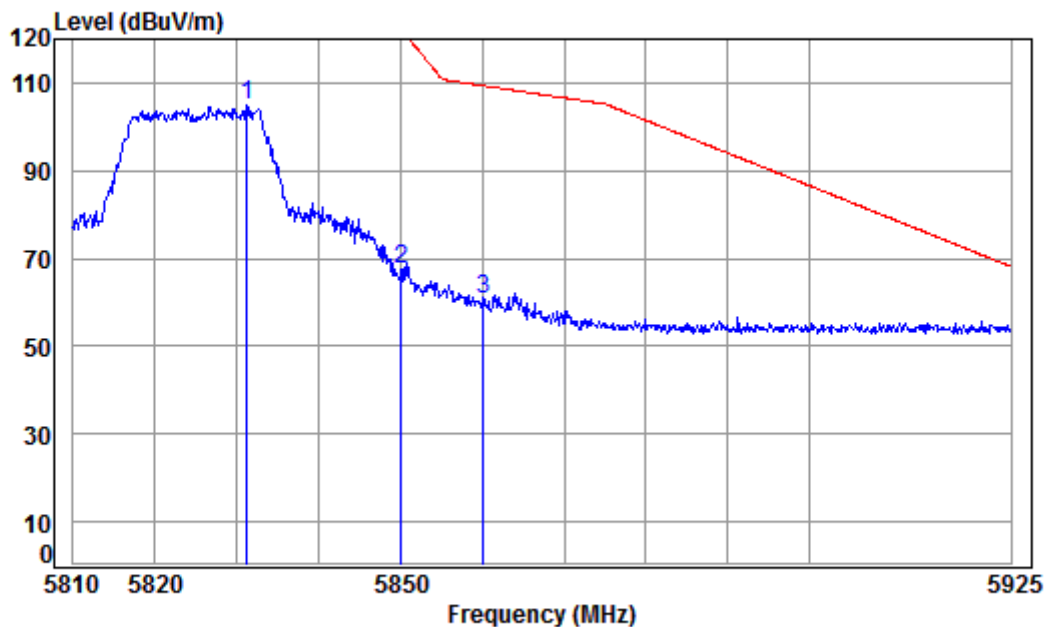
Job No : 05891CR\05892CR

Mode : 5825 Band edge

: 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5822.997	8.58	34.60	38.34	104.59	109.43	125.20	-15.77	peak
2	5850.000	8.60	34.61	38.33	64.36	69.24	122.20	-52.96	peak
3	5860.000	8.61	34.62	38.33	57.17	62.07	109.40	-47.33	peak

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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

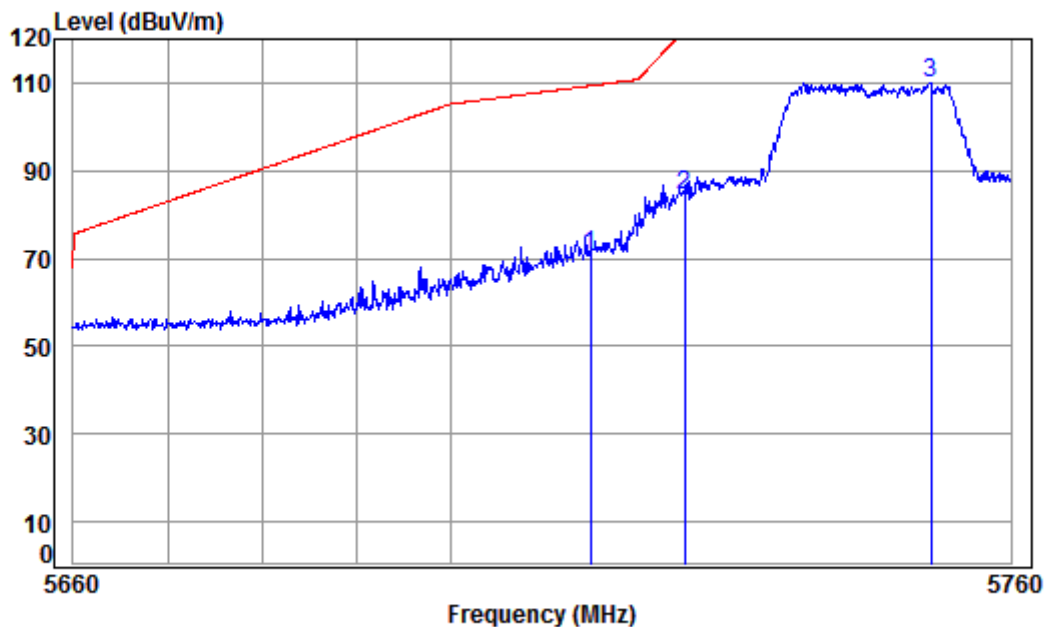
Mode : 5825 Band edge

: 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5831.220	8.59	34.60	38.33	99.92	104.78	125.20	-20.42	peak
2	5850.000	8.60	34.61	38.33	62.66	67.54	122.20	-54.66	peak
3	5860.000	8.61	34.62	38.33	55.73	60.63	109.40	-48.77	peak



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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

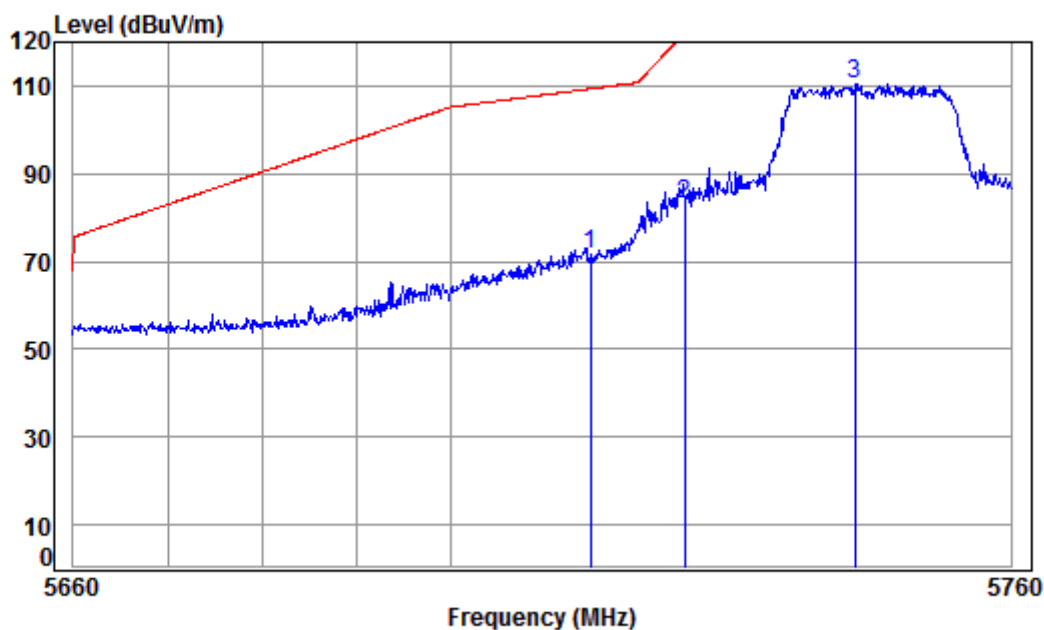
Mode : 5745 Band edge

: 5G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	8.47	34.53	38.36	66.12	70.76	109.40	-38.64 peak
2	5725.000	8.48	34.54	38.35	79.68	84.35	122.20	-37.85 peak
3 pp	5751.432	8.51	34.55	38.35	105.40	110.11	125.20	-15.09 peak



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



Condition: 3m VERTICAL

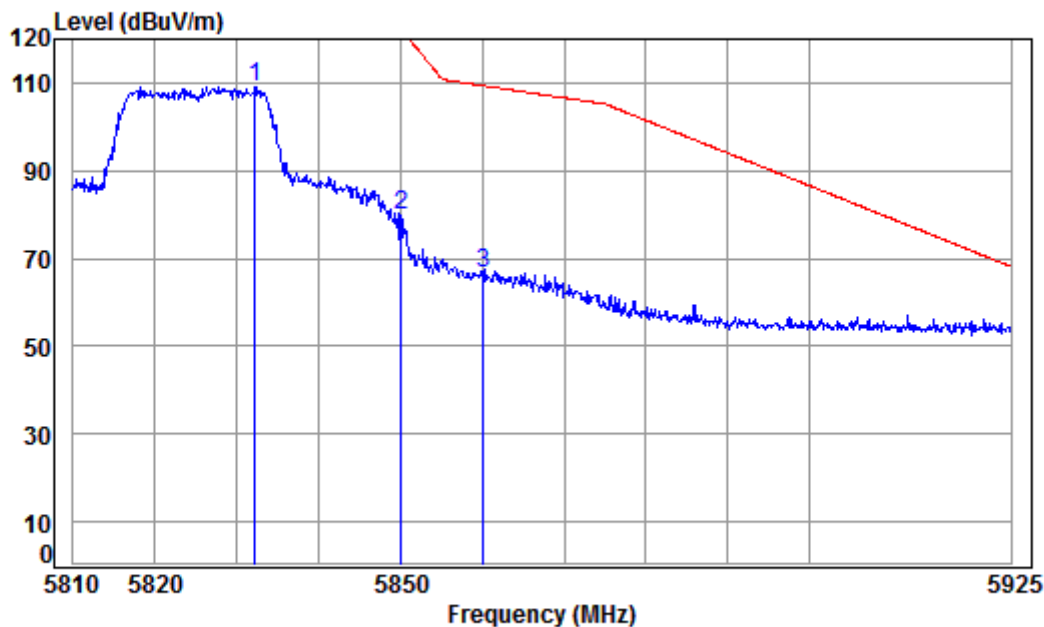
Job No : 05891CR\05892CR

Mode : 5745 Band edge

: 5G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	8.47	34.53	38.36	66.87	71.51	109.40	-37.89 peak
2	5725.000	8.48	34.54	38.35	78.33	83.00	122.20	-39.20 peak
3 pp	5743.278	8.50	34.55	38.35	105.81	110.51	125.20	-14.69 peak

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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

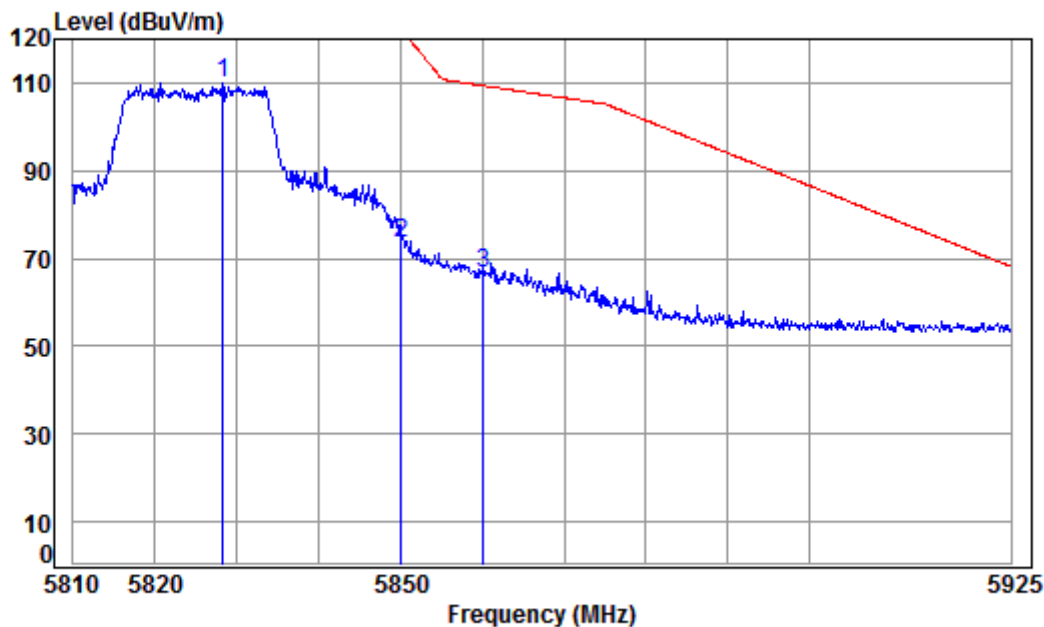
Mode : 5825 Band edge

: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5832.134	8.59	34.60	38.33	104.39	109.25	125.20	-15.95	peak
2	5850.000	8.60	34.61	38.33	75.01	79.89	122.20	-42.31	peak
3	5860.000	8.61	34.62	38.33	61.80	66.70	109.40	-42.70	peak



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



Condition: 3m VERTICAL

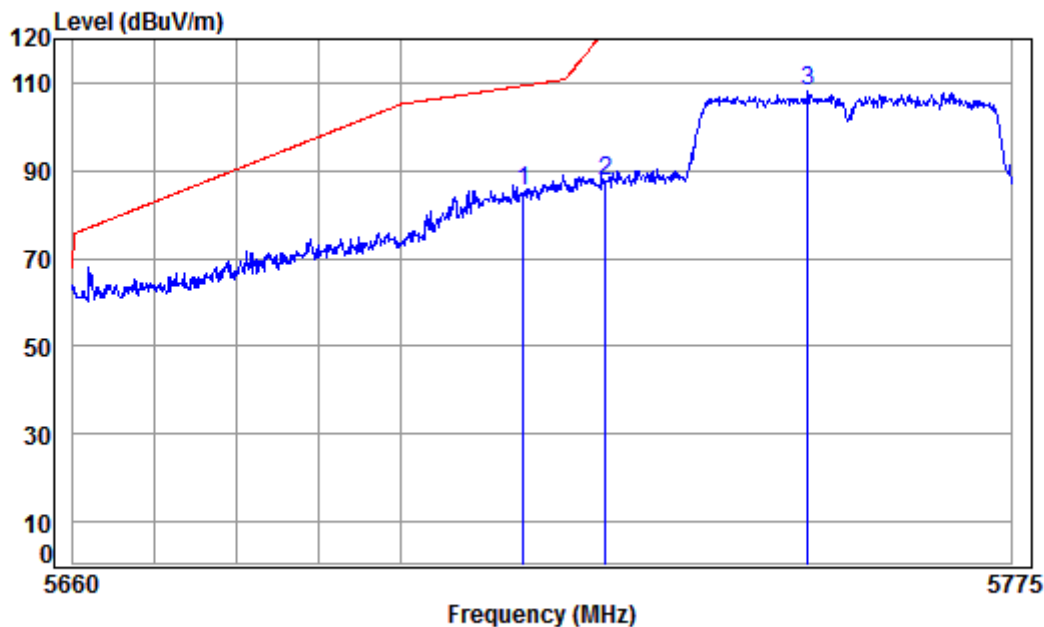
Job No : 05891CR\05892CR

Mode : 5825 Band edge

: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5828.249	8.58	34.60	38.33	105.26	110.11	125.20	-15.09	peak
2	5850.000	8.60	34.61	38.33	68.67	73.55	122.20	-48.65	peak
3	5860.000	8.61	34.62	38.33	61.72	66.62	109.40	-42.78	peak

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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

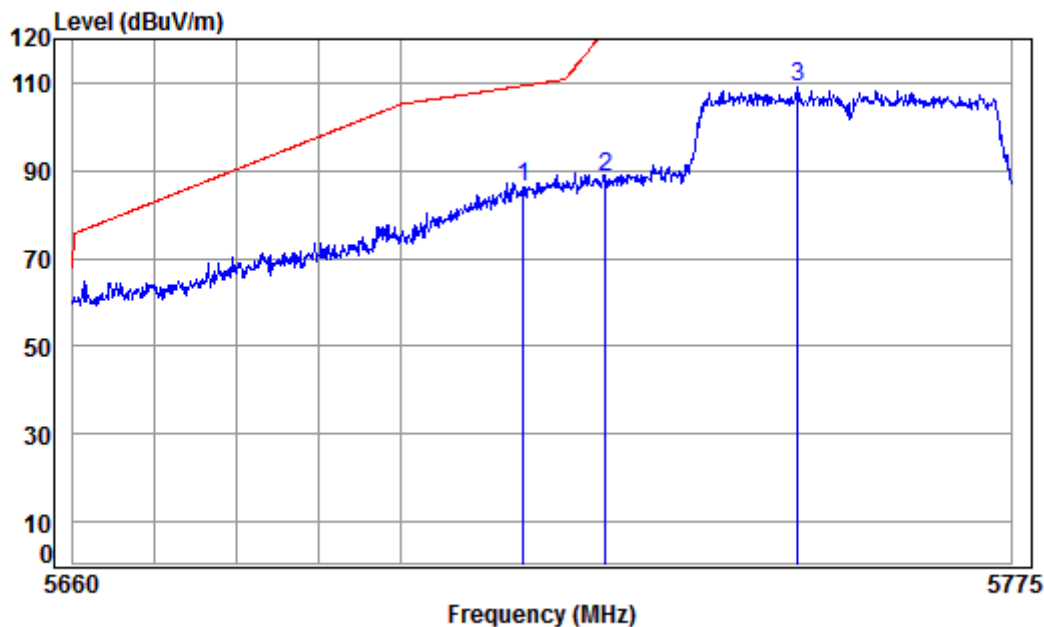
Mode : 5755 Band edge

: 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	5715.000	8.47	34.53	38.36	80.81	85.45	109.40	-23.95	peak
2	5725.000	8.48	34.54	38.35	83.14	87.81	122.20	-34.39	peak
3 pp	5749.964	8.51	34.55	38.35	103.34	108.05	125.20	-17.15	peak



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



Condition: 3m VERTICAL

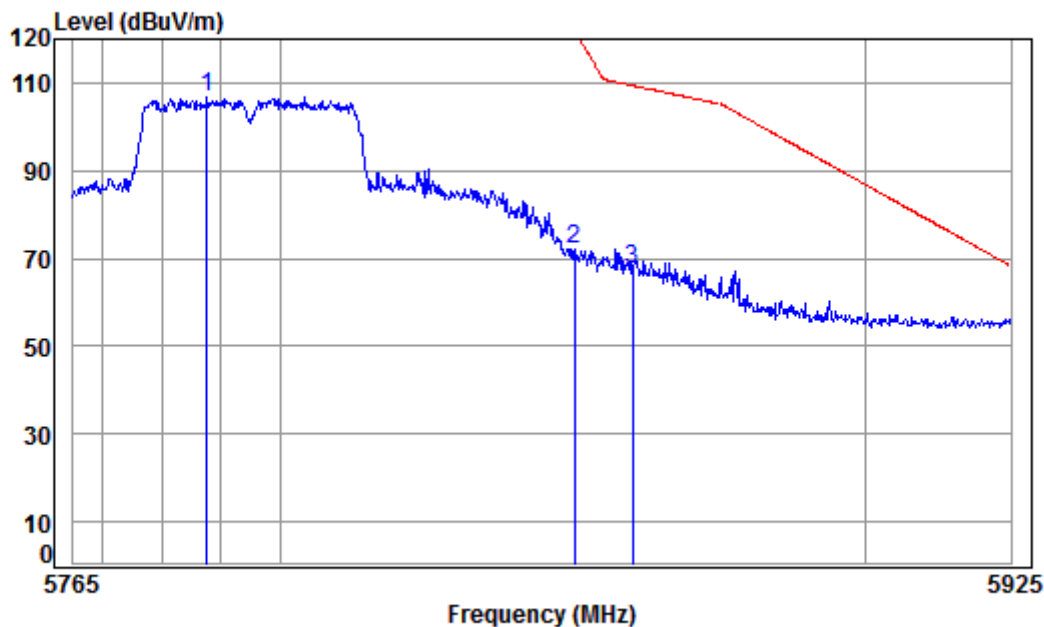
Job No : 05891CR\05892CR

Mode : 5755 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	5715.000	8.47	34.53	38.36	81.59	86.23	109.40	-23.17	peak
2	5725.000	8.48	34.54	38.35	84.01	88.68	122.20	-33.52	peak
3 pp	5748.692	8.50	34.55	38.35	104.41	109.11	125.20	-16.09	peak

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



Condition: 3m HORIZONTAL

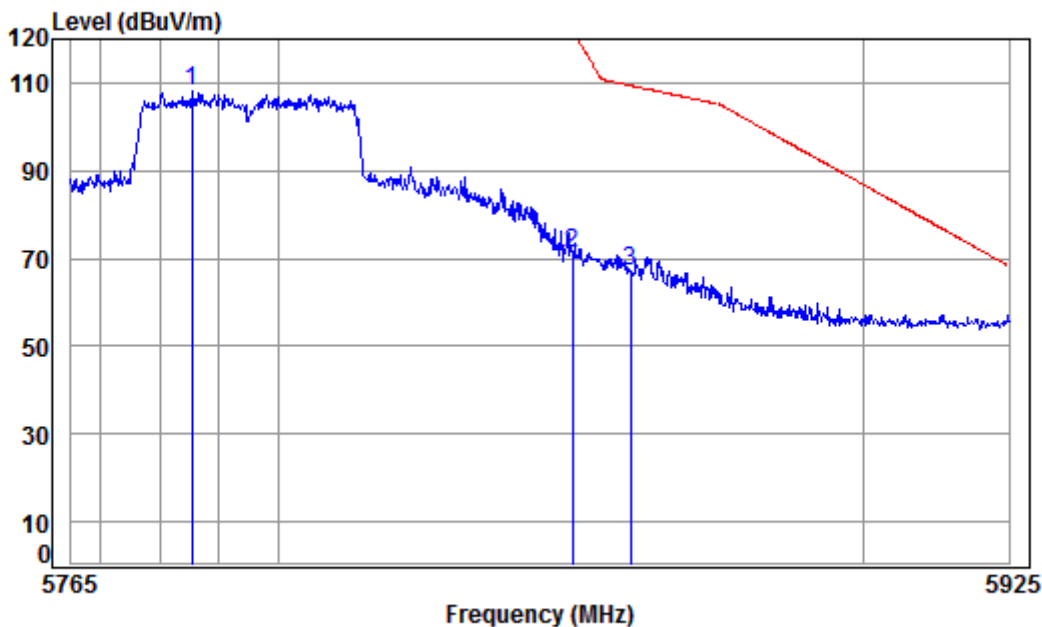
Job No : 05891CR\05892CR

Mode : 5795 Band edge

: 5G WIFI 11N40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5787.612	8.54	34.58	38.34	101.88	106.66	125.20	-18.54	peak
2	5850.000	8.60	34.61	38.33	67.02	71.90	122.20	-50.30	peak
3	5860.000	8.61	34.62	38.33	62.83	67.73	109.40	-41.67	peak

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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

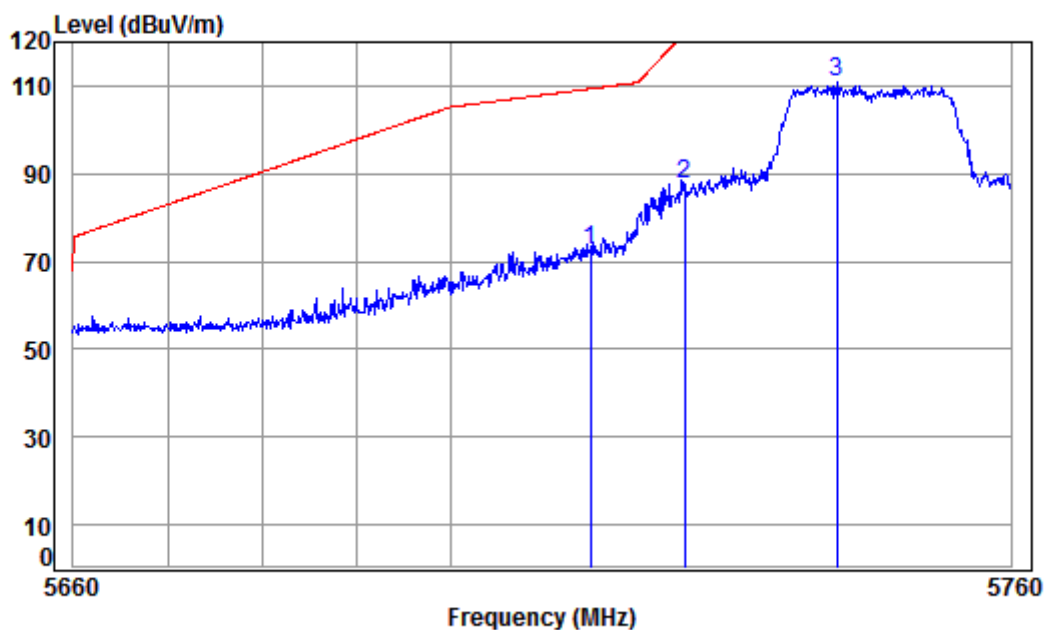
Mode : 5795 Band edge

: 5G WIFI 11N40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5785.395	8.54	34.57	38.34	103.14	107.91	125.20	-17.29	peak
2	5850.000	8.60	34.61	38.33	66.50	71.38	122.20	-50.82	peak
3	5860.000	8.61	34.62	38.33	62.01	66.91	109.40	-42.49	peak



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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

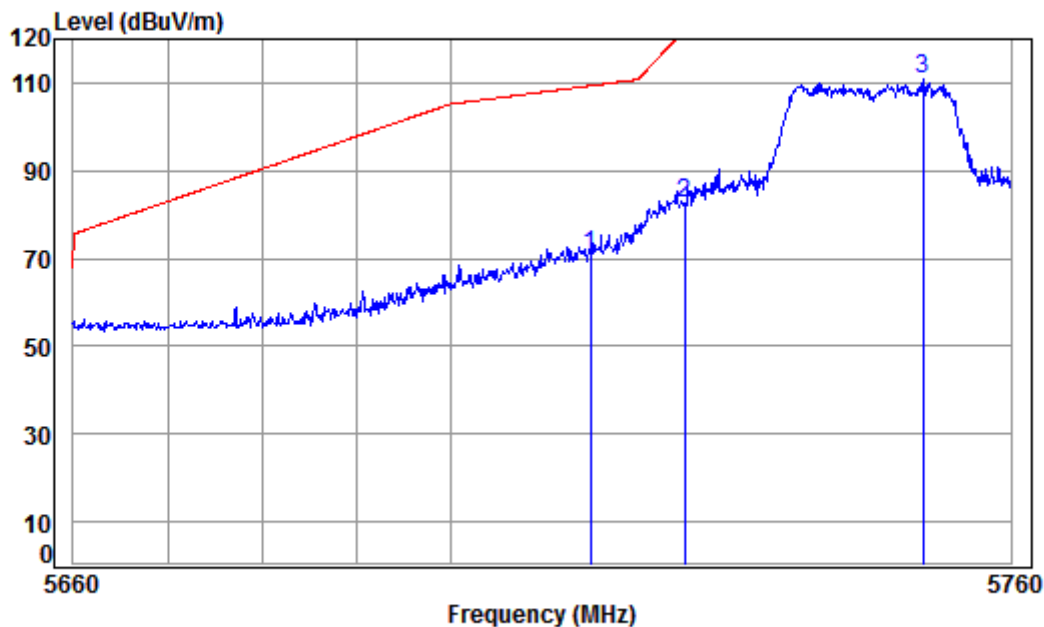
Mode : 5745 Band edge

: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	8.47	34.53	38.36	67.84	72.48	109.40	-36.92	peak
2	5725.000	8.48	34.54	38.35	83.07	87.74	122.20	-34.46	peak
3 pp	5741.267	8.50	34.55	38.35	106.16	110.86	125.20	-14.34	peak



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



Condition: 3m VERTICAL

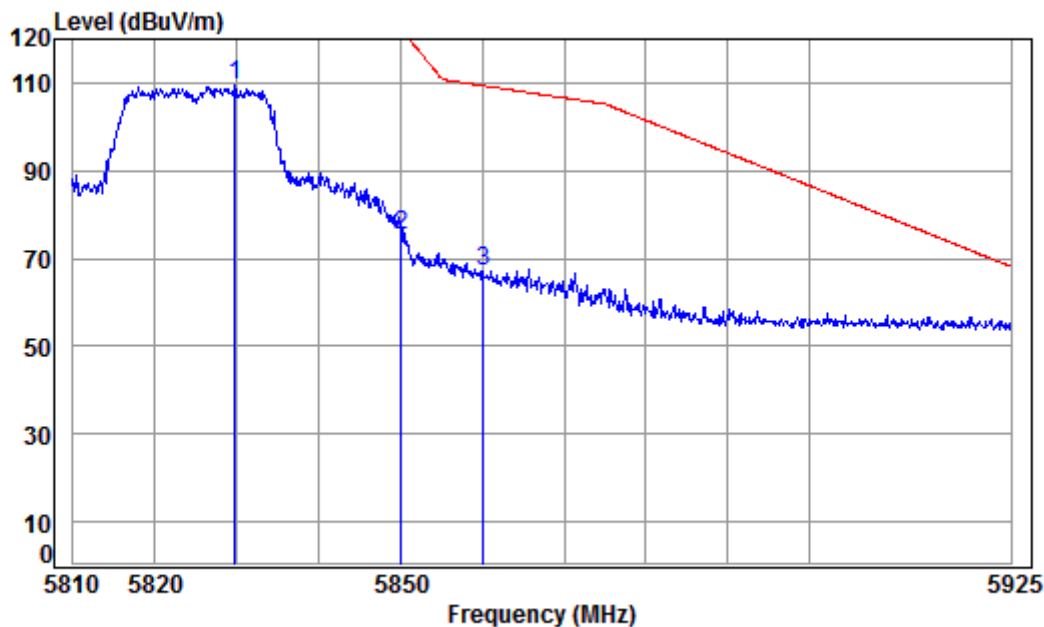
Job No : 05891CR\05892CR

Mode : 5745 Band edge

: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	8.47	34.53	38.36	66.23	70.87	109.40	-38.53 peak
2	5725.000	8.48	34.54	38.35	77.96	82.63	122.20	-39.57 peak
3 pp	5750.525	8.51	34.55	38.35	106.01	110.72	125.20	-14.48 peak

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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

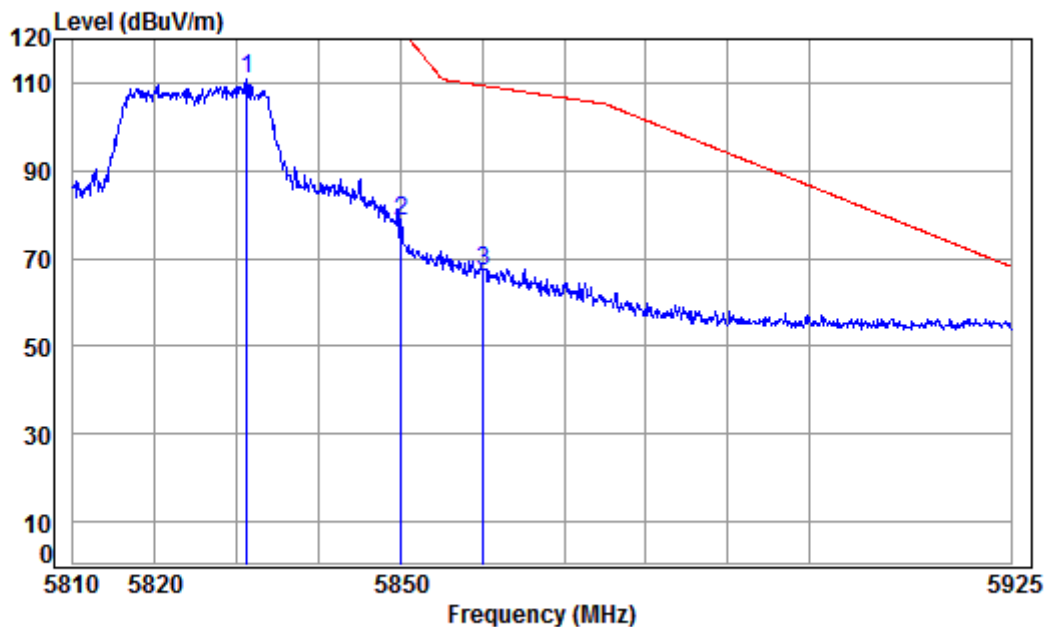
Mode : 5825 Band edge

: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5829.734	8.58	34.60	38.33	104.44	109.29	125.20	-15.91	peak
2	5850.000	8.60	34.61	38.33	70.21	75.09	122.20	-47.11	peak
3	5860.000	8.61	34.62	38.33	62.23	67.13	109.40	-42.27	peak



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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

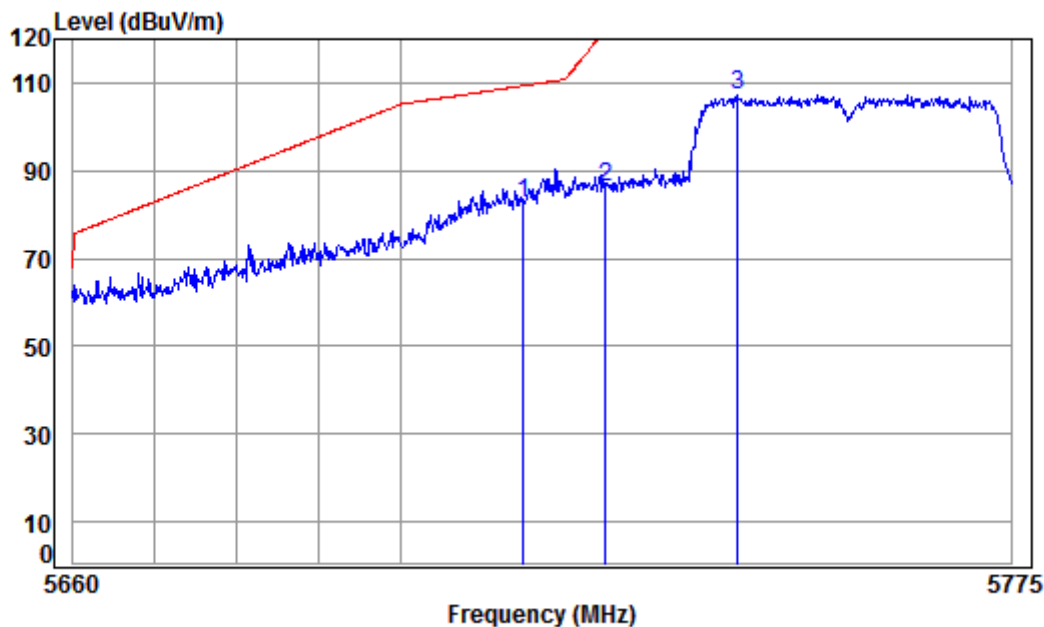
Mode : 5825 Band edge

: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5831.220	8.59	34.60	38.33	105.95	110.81	125.20	-14.39	peak
2	5850.000	8.60	34.61	38.33	73.71	78.59	122.20	-43.61	peak
3	5860.000	8.61	34.62	38.33	62.00	66.90	109.40	-42.50	peak



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



Condition: 3m HORIZONTAL

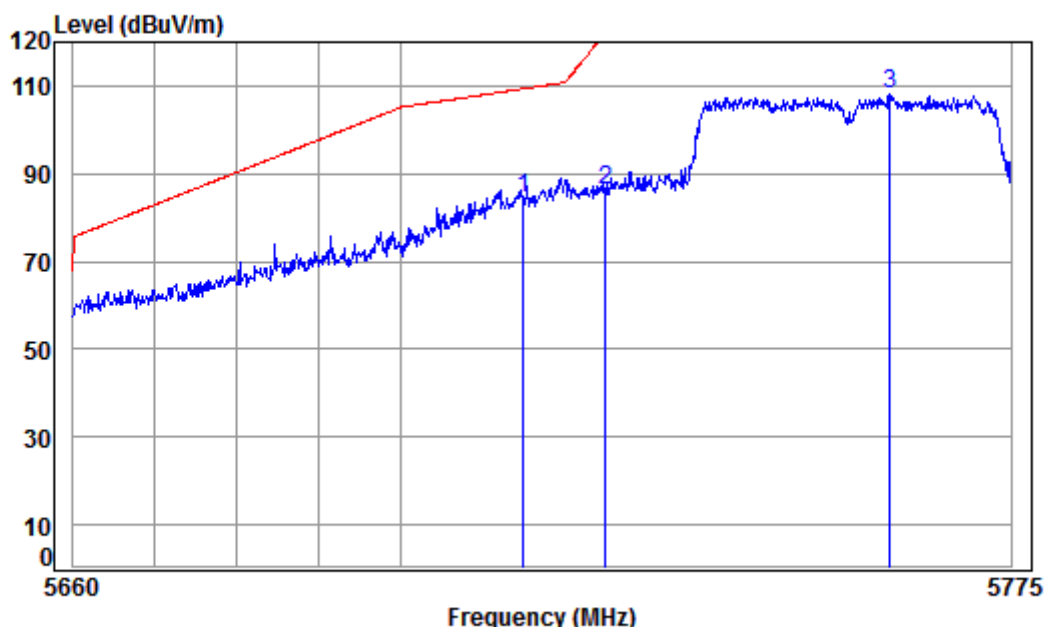
Job No : 05891CR\05892CR

Mode : 5755 Band edge

: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	8.47	34.53	38.36	77.76	82.40	109.40	-27.00 peak
2	5725.000	8.48	34.54	38.35	81.39	86.06	122.20	-36.14 peak
3 pp	5741.296	8.50	34.55	38.35	102.53	107.23	125.20	-17.97 peak

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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

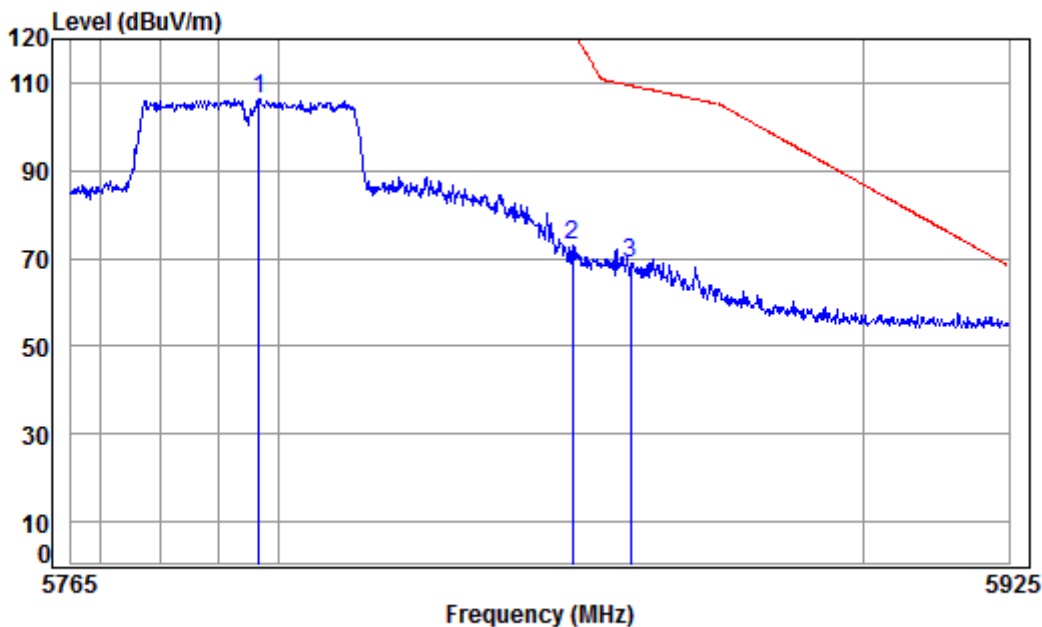
Mode : 5755 Band edge

: 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	5715.000	8.47	34.53	38.36	79.62	84.26	109.40	-25.14	peak
2	5725.000	8.48	34.54	38.35	81.42	86.09	122.20	-36.11	peak
3 pp	5760.035	8.52	34.56	38.35	103.24	107.97	125.20	-17.23	peak



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



Condition: 3m HORIZONTAL

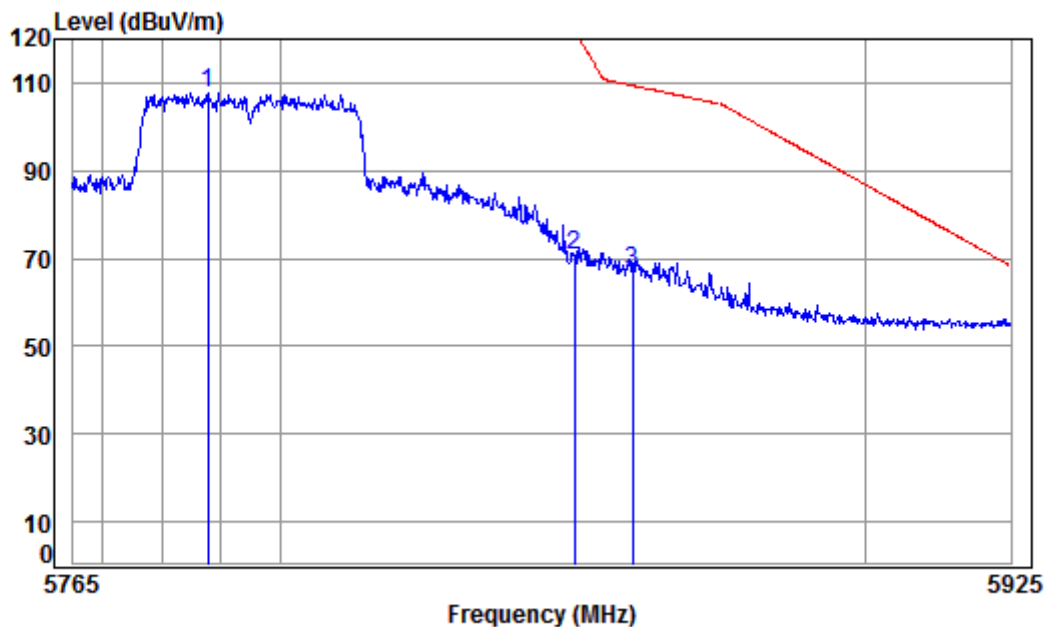
Job No : 05891CR\05892CR

Mode : 5795 Band edge

: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5796.809	8.55	34.58	38.34	101.63	106.42	125.20	-18.78	peak
2	5850.000	8.60	34.61	38.33	67.92	72.80	122.20	-49.40	peak
3	5860.000	8.61	34.62	38.33	63.88	68.78	109.40	-40.62	peak

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



Condition: 3m VERTICAL

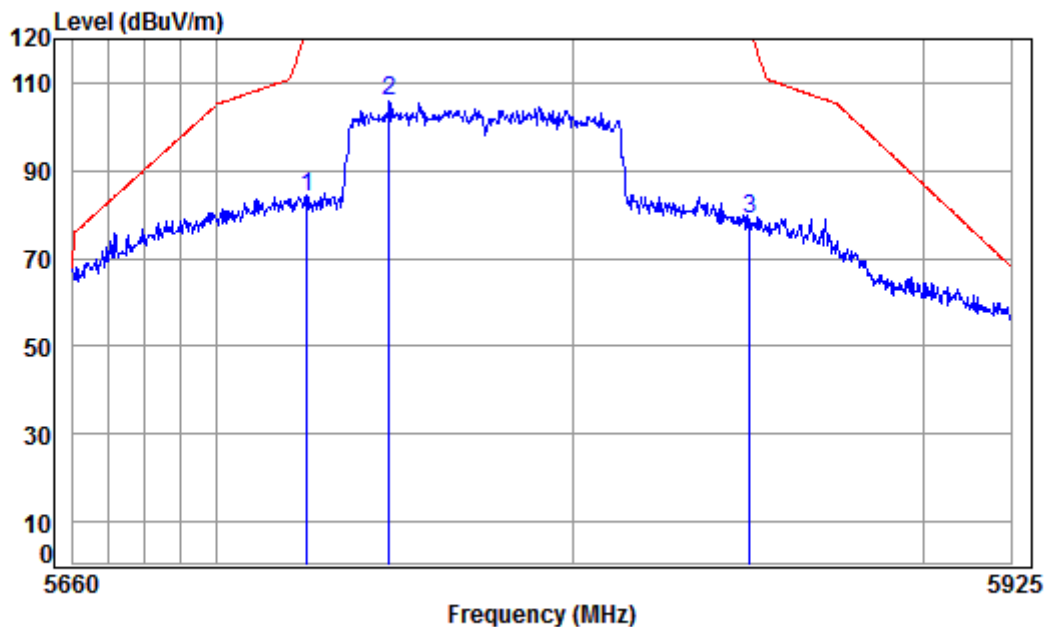
Job No : 05891CR\05892CR

Mode : 5795 Band edge

: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5787.771	8.54	34.58	38.34	102.91	107.69	125.20	-17.51	peak
2	5850.000	8.60	34.61	38.33	65.62	70.50	122.20	-51.70	peak
3	5860.000	8.61	34.62	38.33	62.36	67.26	109.40	-42.14	peak

Mode:h; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:80MHz; Channel:Middle



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

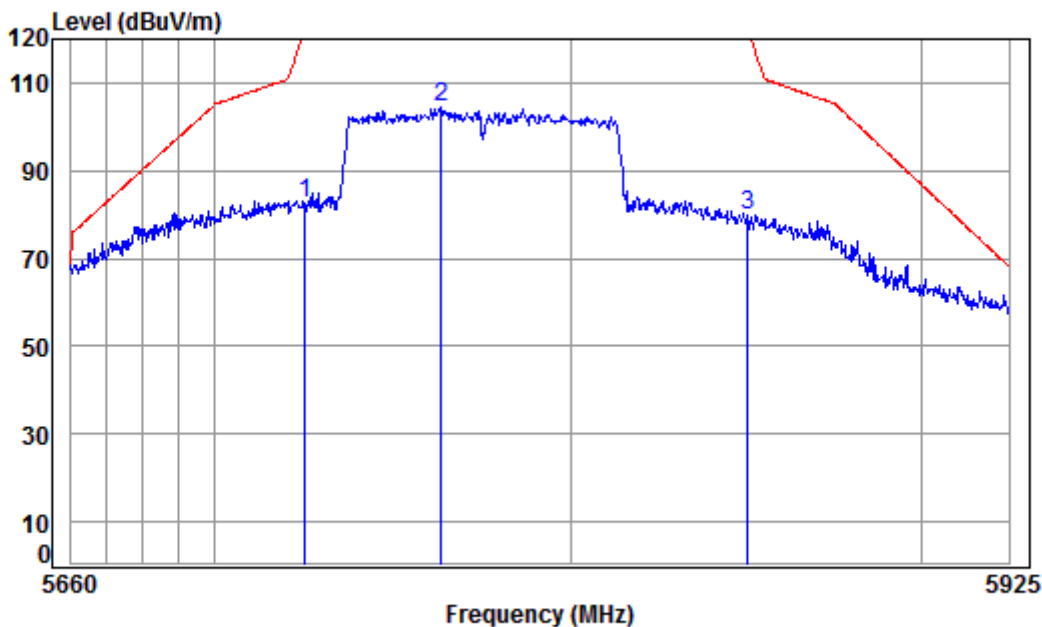
Mode : 5775 Band edge

: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5725.000	8.48	34.54	38.35	79.49	84.16	122.20	-38.04	peak
2	pp 5747.954	8.50	34.55	38.35	100.97	105.67	125.20	-19.53	peak
3	5850.000	8.60	34.61	38.33	73.99	78.87	122.20	-43.33	peak



Mode:h; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:80MHz; Channel:Middle

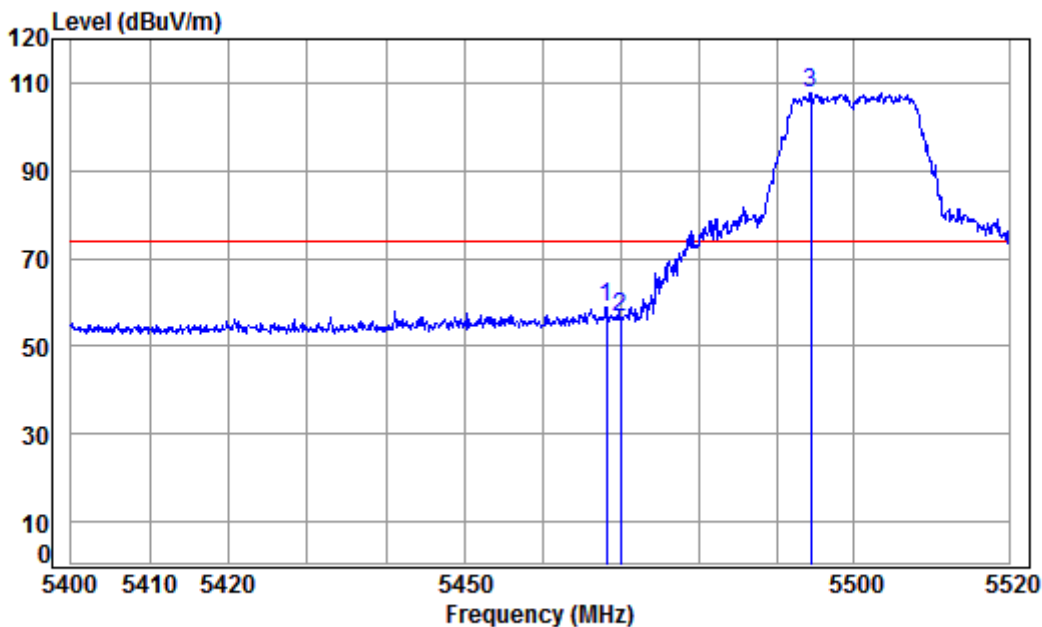


Condition: 3m HORIZONTAL  
Job No : 05891CR\05892CR  
Mode : 5775 Band edge  
: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5725.000	8.48	34.54	38.35	77.85	82.52	122.20	-39.68	peak
2	pp 5763.229	8.52	34.56	38.35	99.76	104.49	125.20	-20.71	peak
3	5850.000	8.60	34.61	38.33	74.88	79.76	122.20	-42.44	peak



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



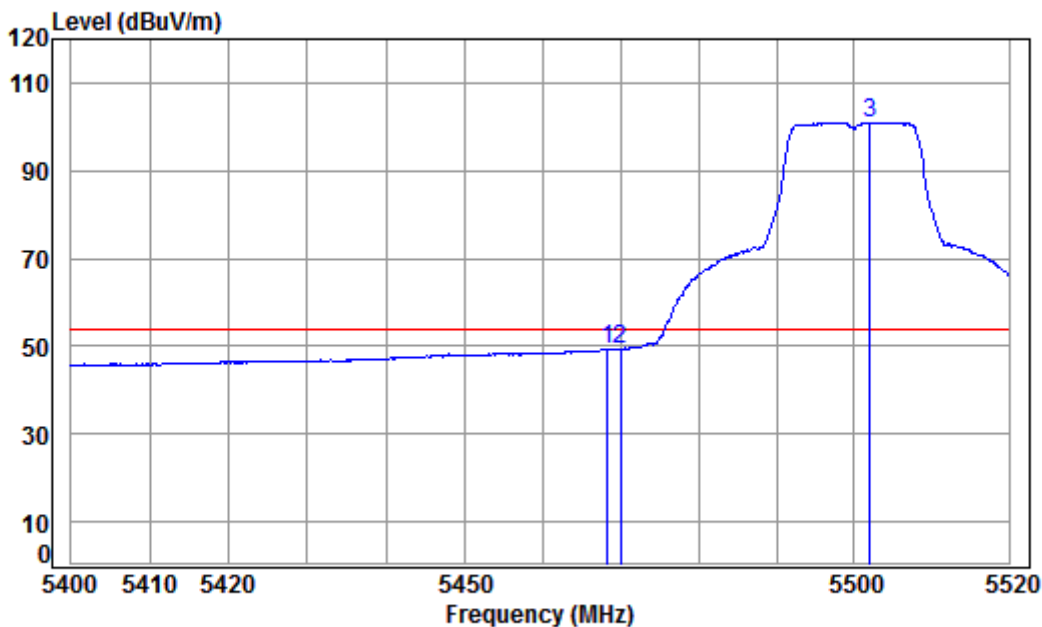
Condition: 3m HORIZONTAL  
Job No : 05891CR\05892CR  
Mode : 5500 Band edge  
: 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5468.197	8.23	34.41	38.41	54.56	58.79	74.00	-15.21	peak
2	5470.000	8.24	34.41	38.41	52.28	56.52	74.00	-17.48	peak
3 pp	5494.460	8.25	34.40	38.40	103.46	107.71	74.00	33.71	peak





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

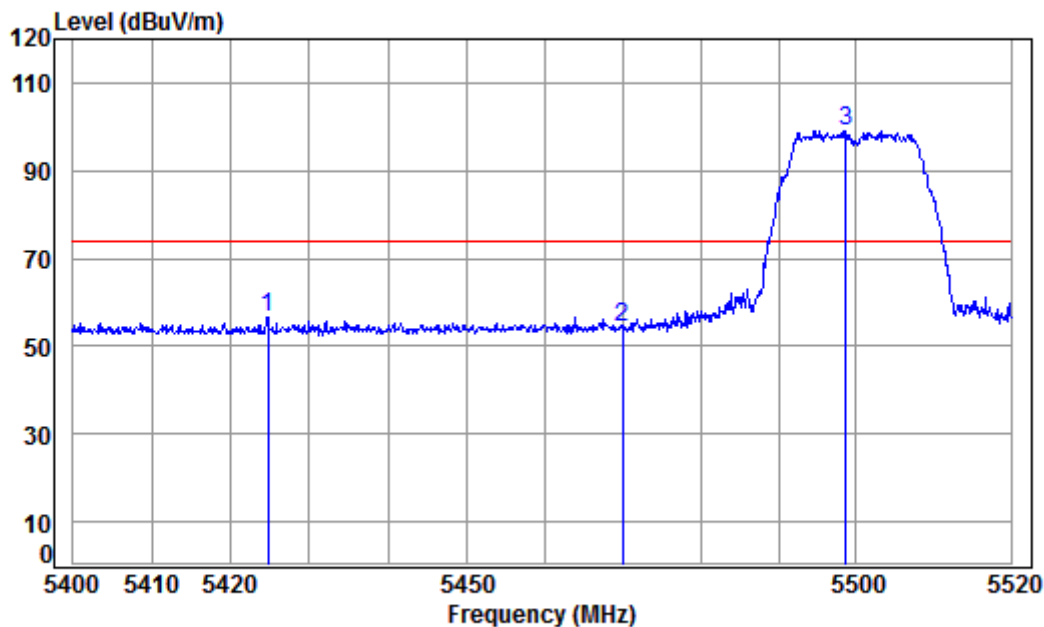


Condition: 3m HORIZONTAL  
Job No : 05891CR\05892CR  
Mode : 5500 Band edge  
: 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5468.317	8.23	34.41	38.41	45.09	49.32	54.00	-4.68	Average
2	5470.000	8.24	34.41	38.41	45.08	49.32	54.00	-4.68	Average
3 pp	5502.073	8.25	34.40	38.40	96.68	100.93	54.00	46.93	Average



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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

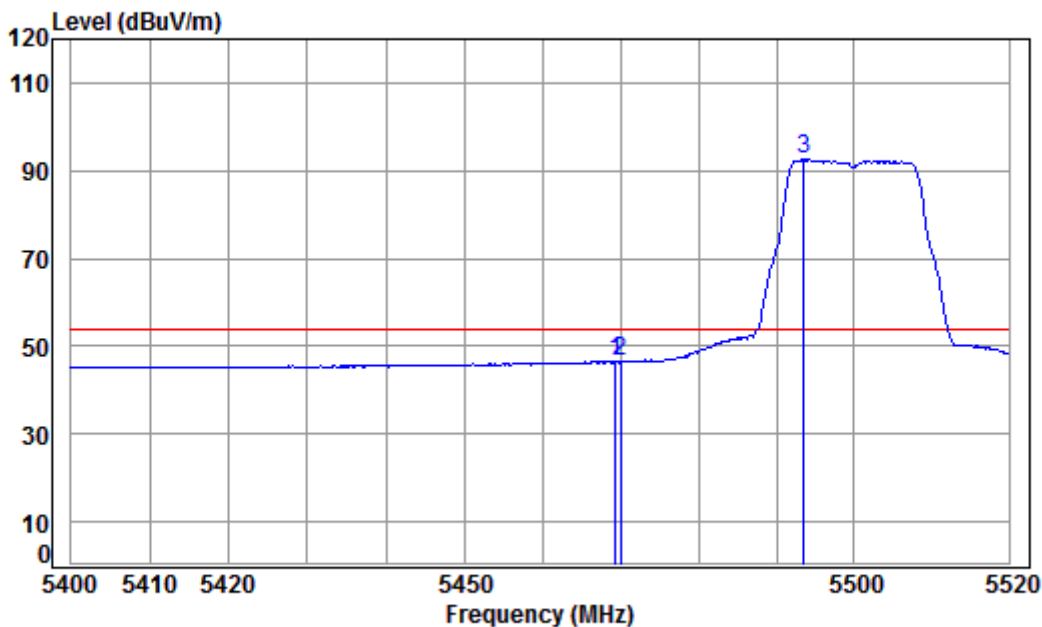
Mode : 5500 Band edge

: 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5424.743	8.21	34.41	38.42	52.59	56.79	74.00	-17.21	Peak
2	5470.000	8.24	34.41	38.41	50.18	54.42	74.00	-19.58	Peak
3 pp	5498.688	8.25	34.40	38.40	94.90	99.15	74.00	25.15	Peak



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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

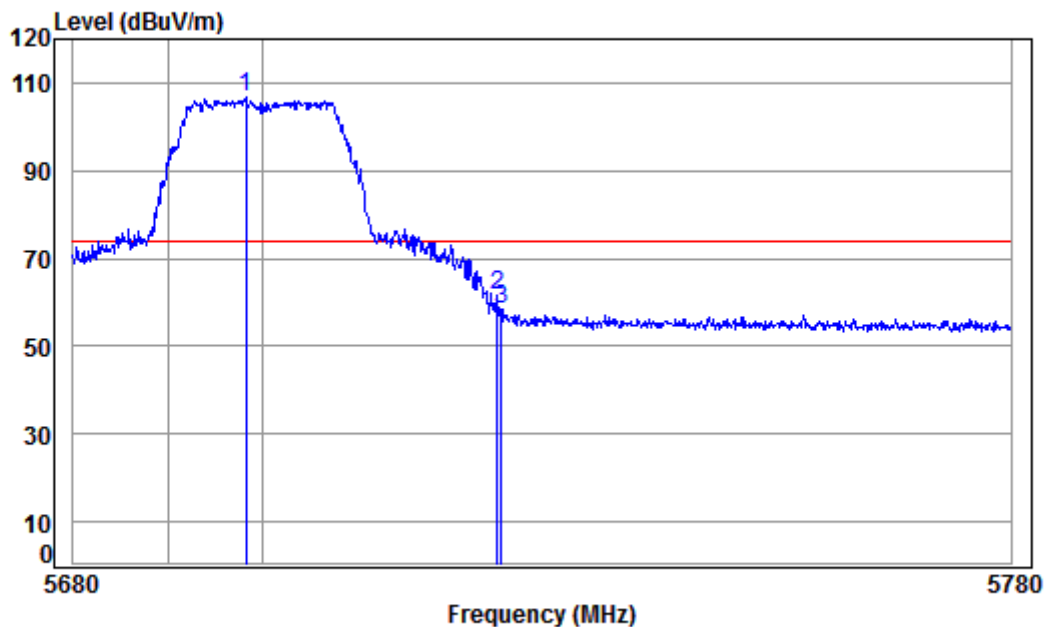
Mode : 5500 Band edge

: 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5469.399	8.24	34.41	38.41	42.22	46.46	54.00	-7.54	Average
2	5470.000	8.24	34.41	38.41	42.16	46.40	54.00	-7.60	Average
3 pp	5493.494	8.25	34.40	38.40	88.23	92.48	54.00	38.48	Average



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

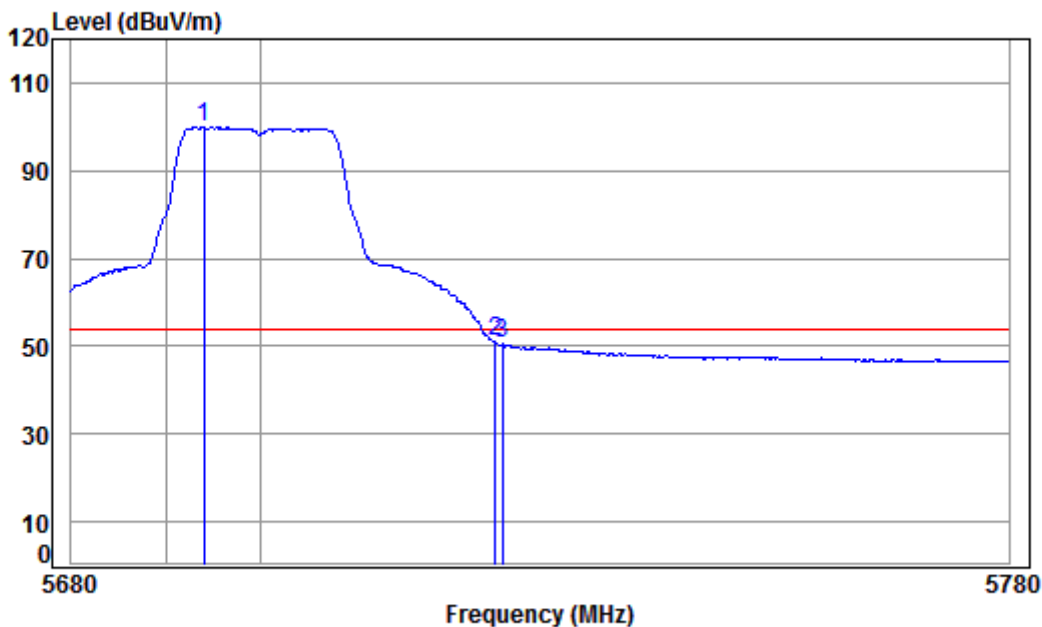


Condition: 3m HORIZONTAL  
Job No : 05891CR\05892CR  
Mode : 5700 Band edge  
: 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5698.369	8.45	34.52	38.36	101.93	106.54	74.00	32.54	peak
2	5725.000	8.48	34.54	38.35	56.94	61.61	74.00	-12.39	peak
3	5725.483	8.48	34.54	38.35	53.69	58.36	74.00	-15.64	peak



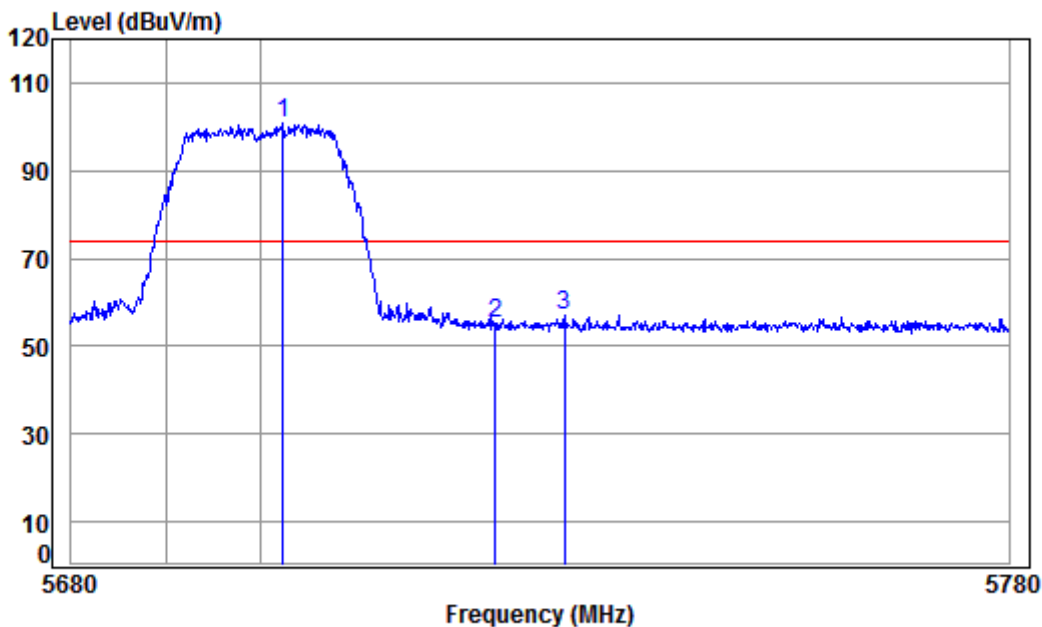
Mode:g; Polarization:Horizontal; Modulation Type:802.11a; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL  
Job No : 05891CR\05892CR  
Mode : 5700 Band edge  
: 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5694.094	8.45	34.52	38.36	95.25	99.86	54.00	45.86	Average
2	5725.000	8.48	34.54	38.35	46.31	50.98	54.00	-3.02	Average
3	5725.783	8.48	34.54	38.35	45.76	50.43	54.00	-3.57	Average

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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

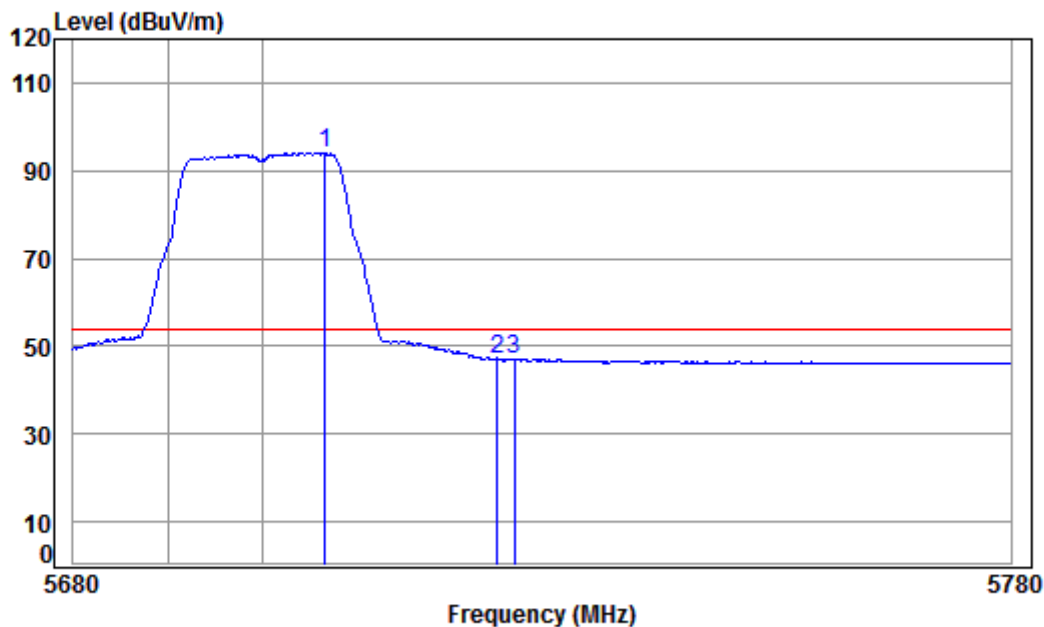
Mode : 5700 Band edge

: 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5702.448	8.46	34.52	38.36	96.24	100.86	74.00	26.86	Peak
2	5725.000	8.48	34.54	38.35	50.45	55.12	74.00	-18.88	Peak
3	5732.382	8.49	34.54	38.35	52.33	57.01	74.00	-16.99	Peak



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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

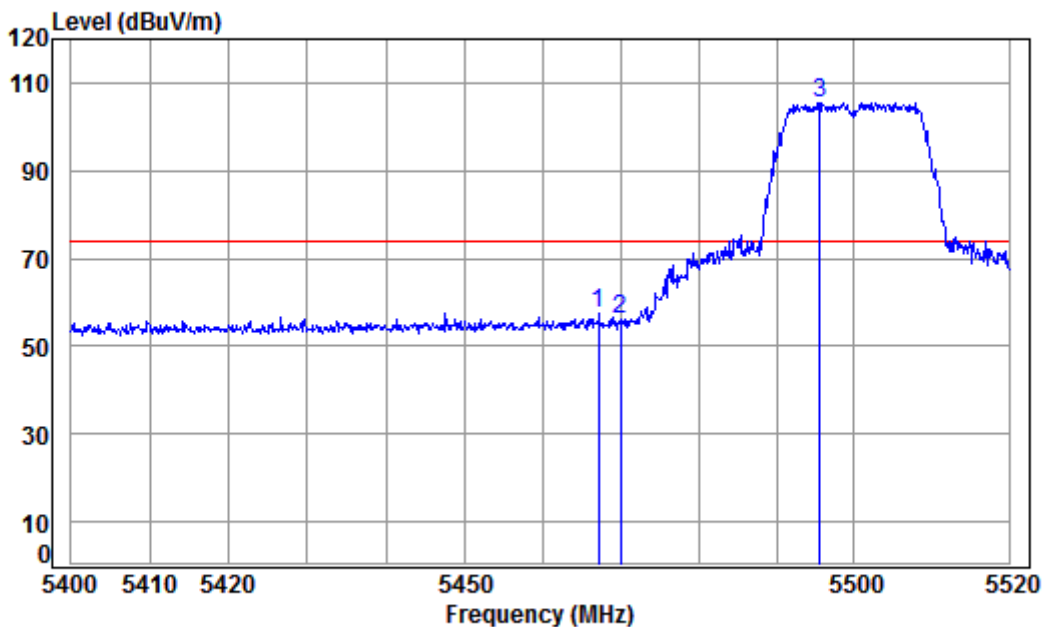
Mode : 5700 Band edge

: 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5706.729	8.46	34.53	38.36	89.41	94.04	54.00	40.04	Average
2	5725.000	8.48	34.54	38.35	42.47	47.14	54.00	-6.86	Average
3	5726.883	8.48	34.54	38.35	42.33	47.00	54.00	-7.00	Average



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

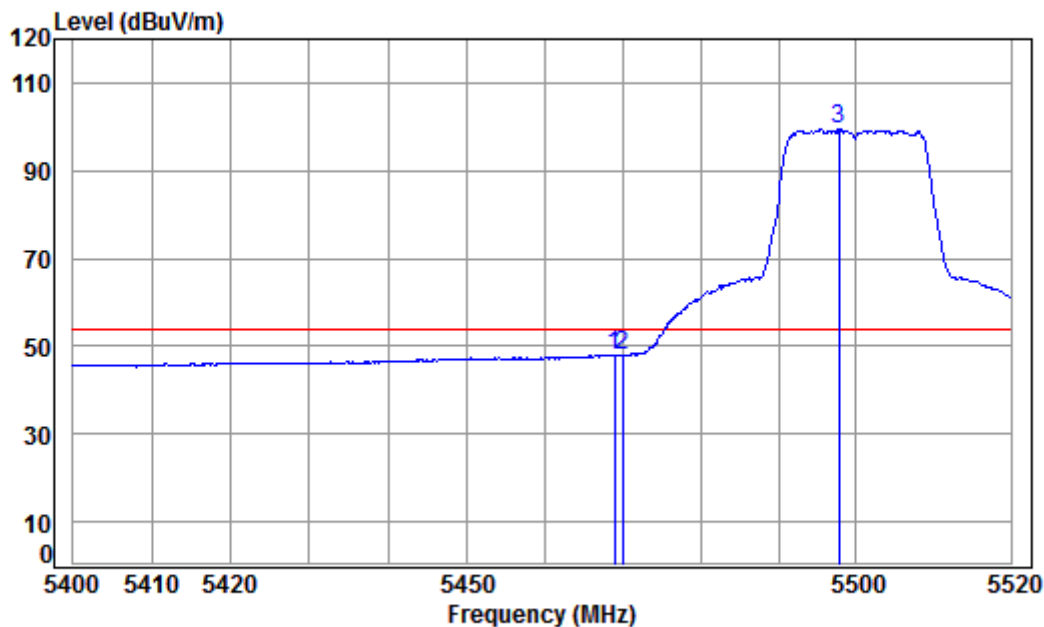


Condition: 3m HORIZONTAL  
Job No : 05891CR\05892CR  
Mode : 5500 Band edge  
: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5467.235	8.23	34.41	38.41	53.45	57.68	74.00	-16.32	peak
2	5470.000	8.24	34.41	38.41	51.91	56.15	74.00	-17.85	peak
3 pp	5495.547	8.25	34.40	38.40	101.31	105.56	74.00	31.56	peak



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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

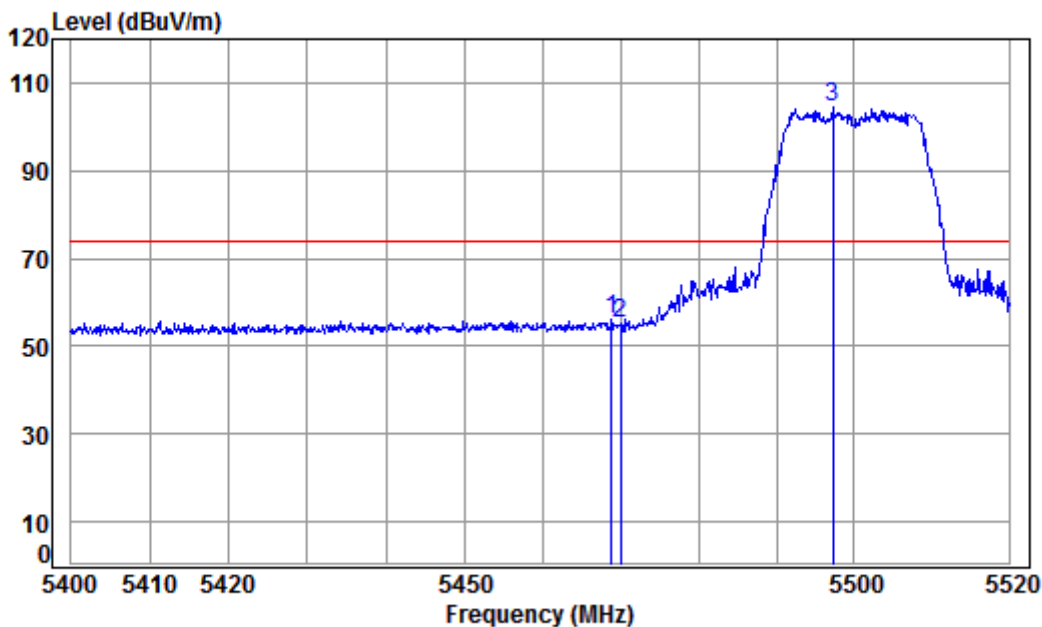
Mode : 5500 Band edge

: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5468.918	8.24	34.41	38.41	43.73	47.97	54.00	-6.03	Average
2	5470.000	8.24	34.41	38.41	43.83	48.07	54.00	-5.93	Average
3 pp	5497.842	8.25	34.40	38.40	95.22	99.47	54.00	45.47	Average



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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

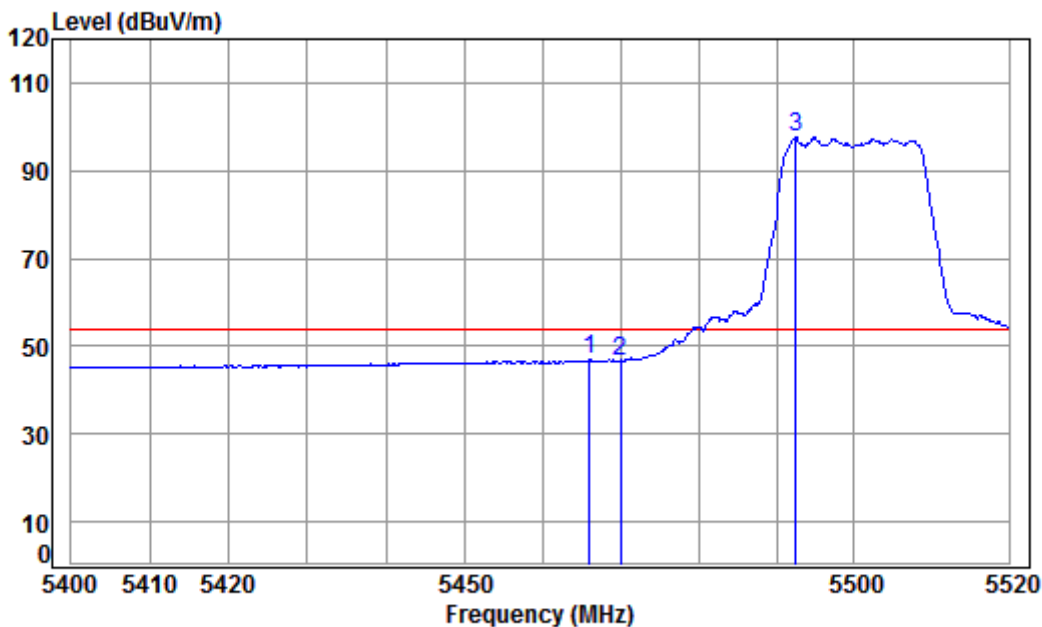
Mode : 5500 Band edge

: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5468.798	8.24	34.41	38.41	51.73	55.97	74.00	-18.03	Peak
2	5470.000	8.24	34.41	38.41	50.77	55.01	74.00	-18.99	Peak
3 pp	5497.238	8.25	34.40	38.40	100.37	104.62	74.00	30.62	Peak



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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

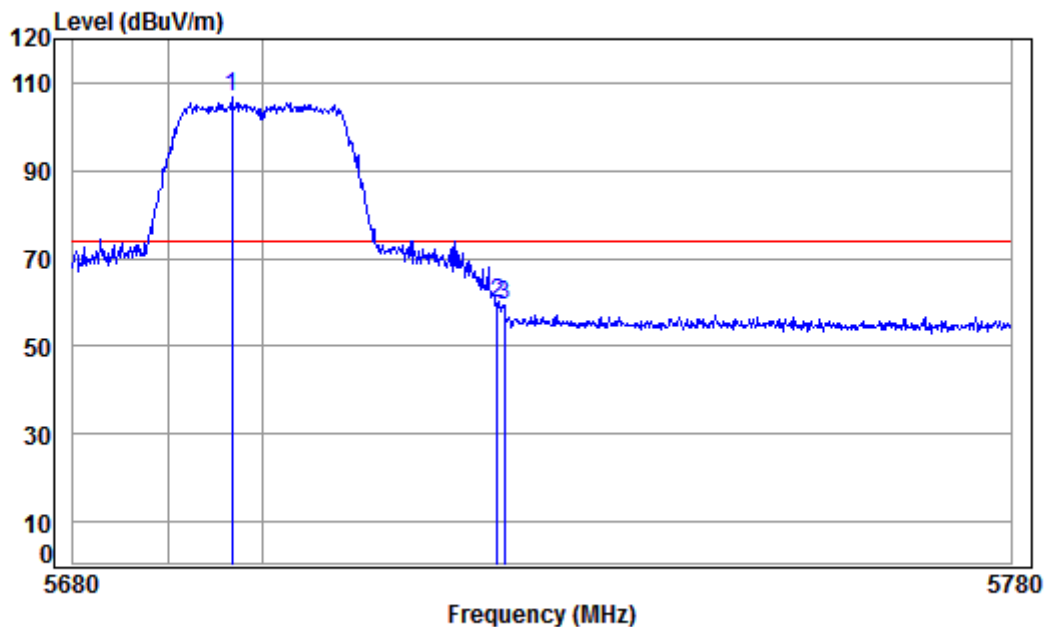
Mode : 5500 Band edge

: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5466.034	8.23	34.41	38.41	42.64	46.87	54.00	-7.13	Average
2	5470.000	8.24	34.41	38.41	42.40	46.64	54.00	-7.36	Average
3 pp	5492.528	8.25	34.40	38.40	93.26	97.51	54.00	43.51	Average



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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

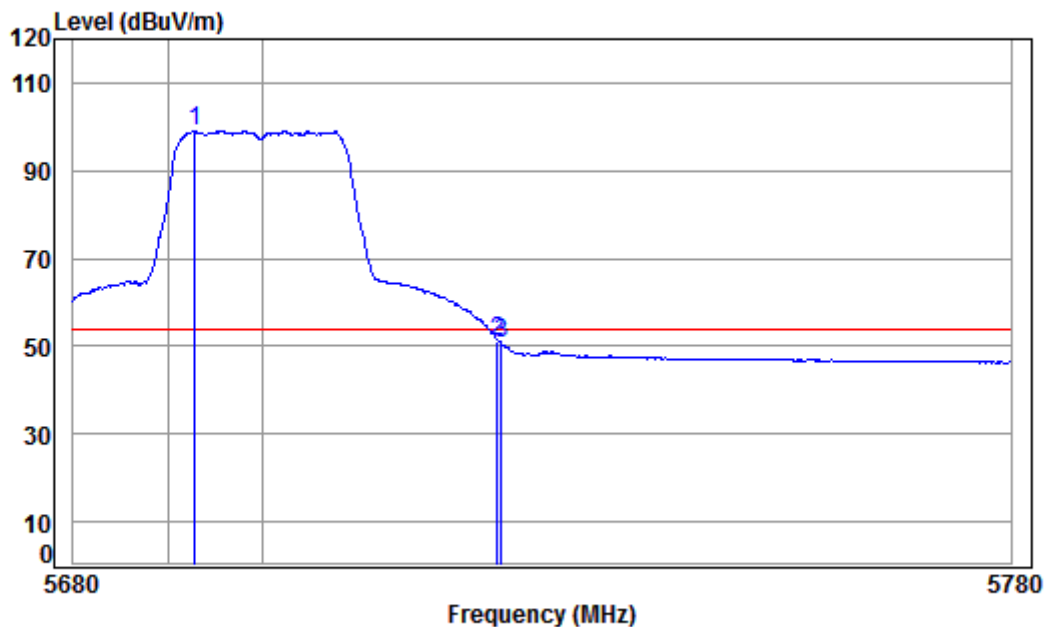
Mode : 5700 Band edge

: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5696.778	8.45	34.52	38.36	101.93	106.54	74.00	32.54	peak
2	5725.000	8.48	34.54	38.35	55.03	59.70	74.00	-14.30	peak
3	5725.783	8.48	34.54	38.35	54.83	59.50	74.00	-14.50	peak



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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

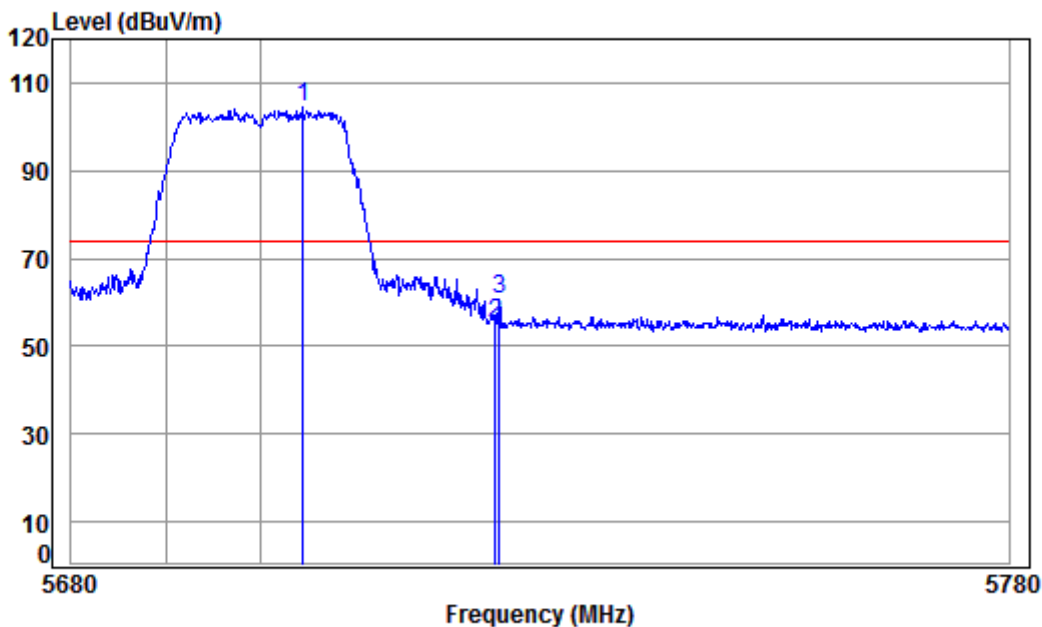
Mode : 5700 Band edge

: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5692.901	8.45	34.52	38.36	94.45	99.06	54.00	45.06	Average
2	5725.000	8.48	34.54	38.35	46.29	50.96	54.00	-3.04	Average
3	5725.483	8.48	34.54	38.35	45.88	50.55	54.00	-3.45	Average



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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

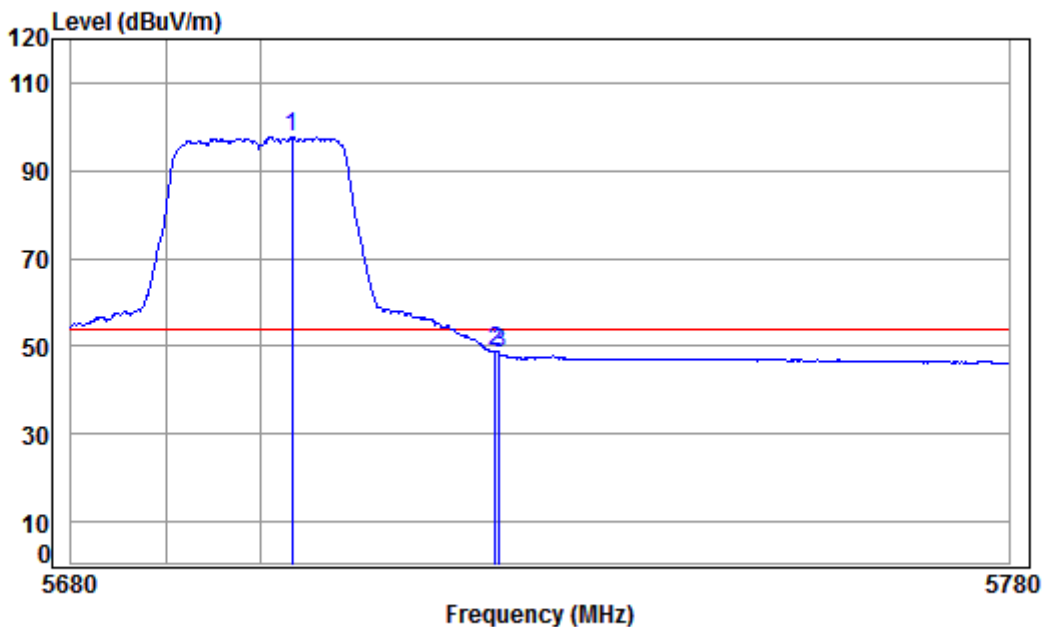
Mode : 5700 Band edge

: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5704.638	8.46	34.53	38.36	99.66	104.29	74.00	30.29	Peak
2	5725.000	8.48	34.54	38.35	50.58	55.25	74.00	-18.75	Peak
3	5725.483	8.48	34.54	38.35	55.85	60.52	74.00	-13.48	Peak



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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

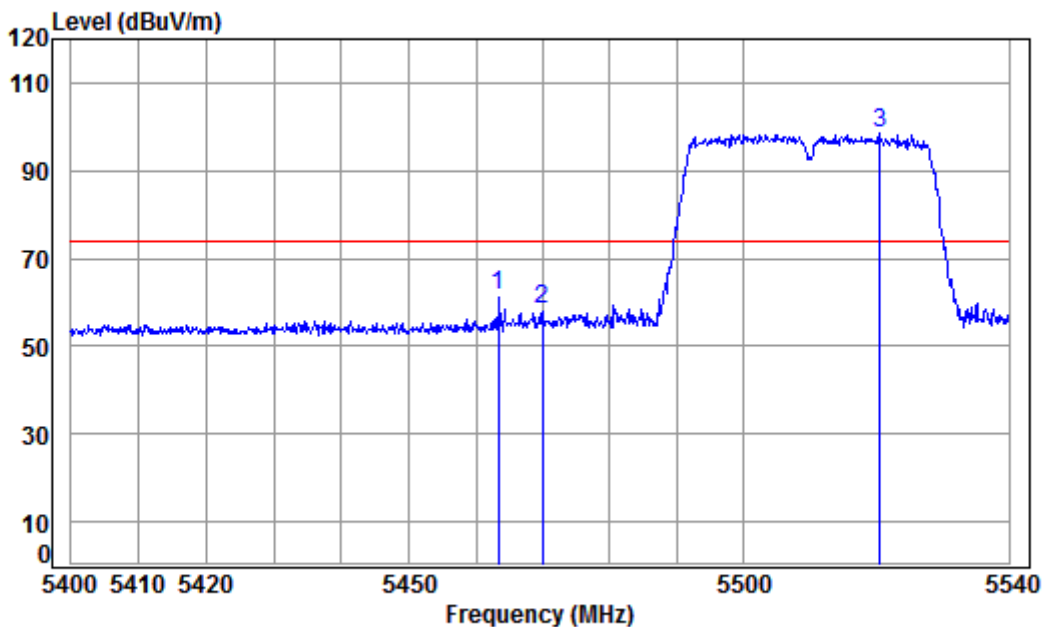
Mode : 5700 Band edge

: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5703.443	8.46	34.53	38.36	92.99	97.62	54.00	43.62	Average
2	5725.000	8.48	34.54	38.35	44.01	48.68	54.00	-5.32	Average
3	5725.483	8.48	34.54	38.35	43.61	48.28	54.00	-5.72	Average



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



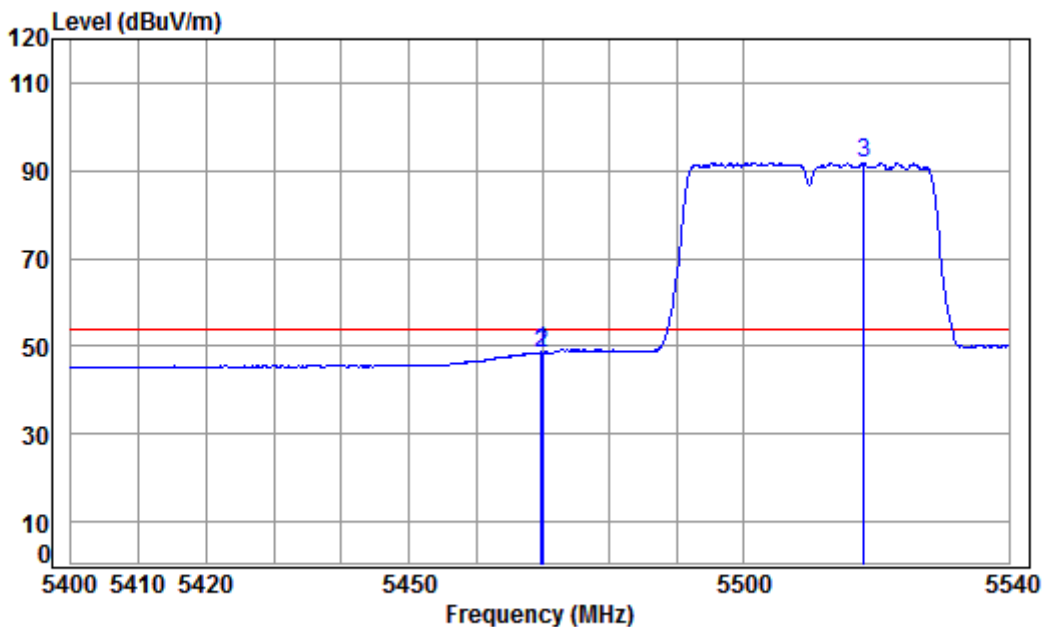
Condition: 3m HORIZONTAL  
Job No : 05891CR\05892CR  
Mode : 5510 Band edge  
: 5G WIFI 11N40

		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	5463.396	8.23	34.41	38.41	57.35	61.58	74.00	-12.42	Peak
2	5470.000	8.24	34.41	38.41	54.32	58.56	74.00	-15.44	Peak
3	pp 5520.466	8.27	34.41	38.40	94.38	98.66	74.00	24.66	peak





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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

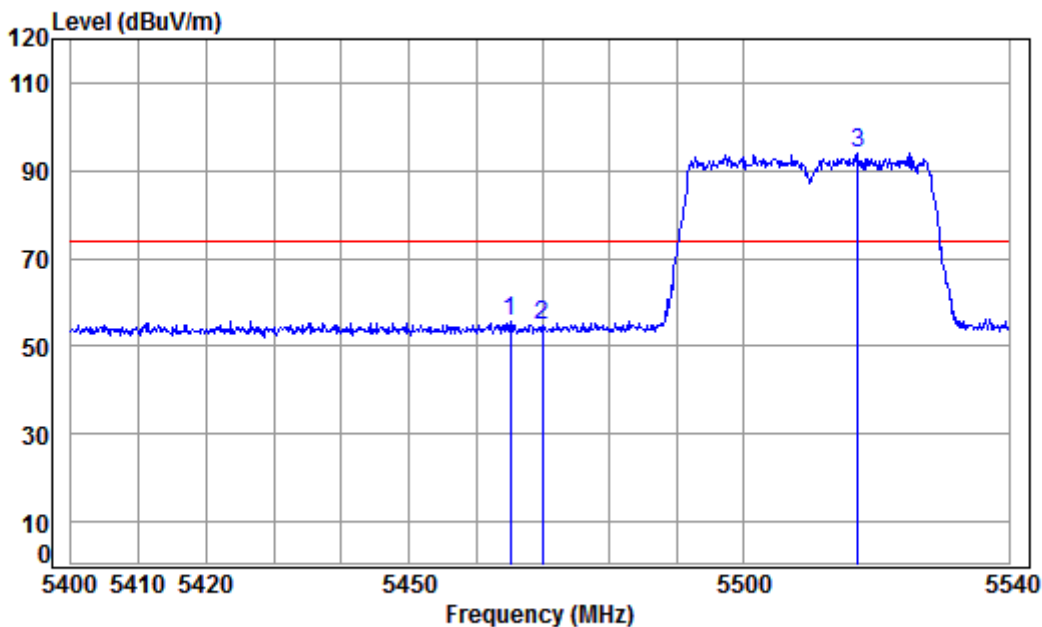
Mode : 5510 Band edge

: 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	5469.832	8.24	34.41	38.41	44.35	48.59	54.00	-5.41	Average
2	5470.000	8.24	34.41	38.41	44.33	48.57	54.00	-5.43	Average
3 pp	5518.064	8.27	34.41	38.40	87.51	91.79	54.00	37.79	Average



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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

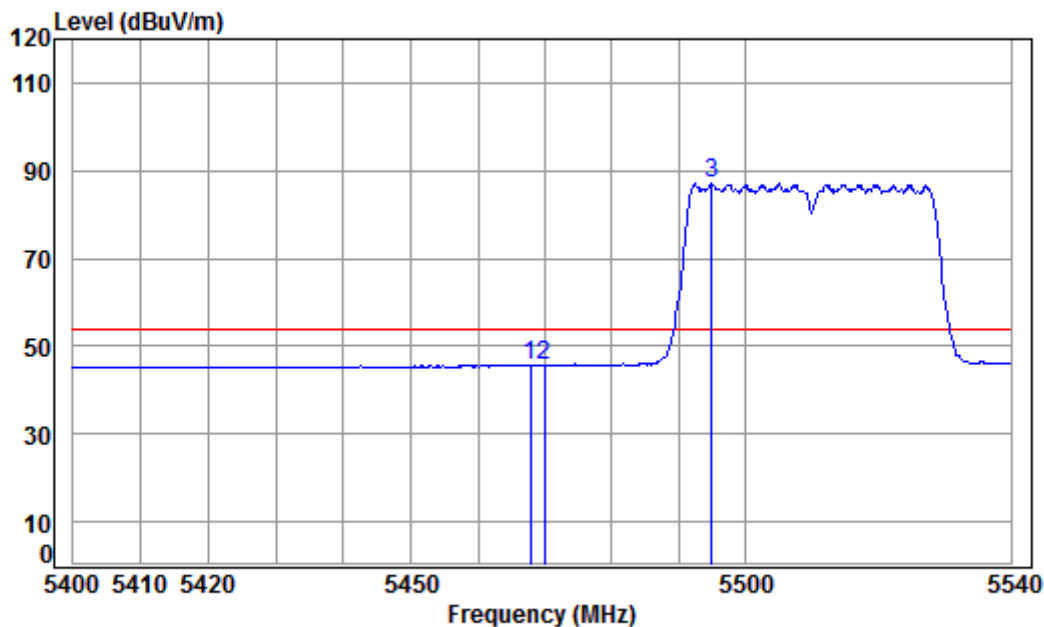
Mode : 5510 Band edge

: 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	5465.074	8.23	34.41	38.41	51.49	55.72	74.00	-18.28	Peak
2	5470.000	8.24	34.41	38.41	50.35	54.59	74.00	-19.41	Peak
3 pp	5517.217	8.27	34.41	38.40	89.93	94.21	74.00	20.21	Peak



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



Condition: 3m VERTICAL

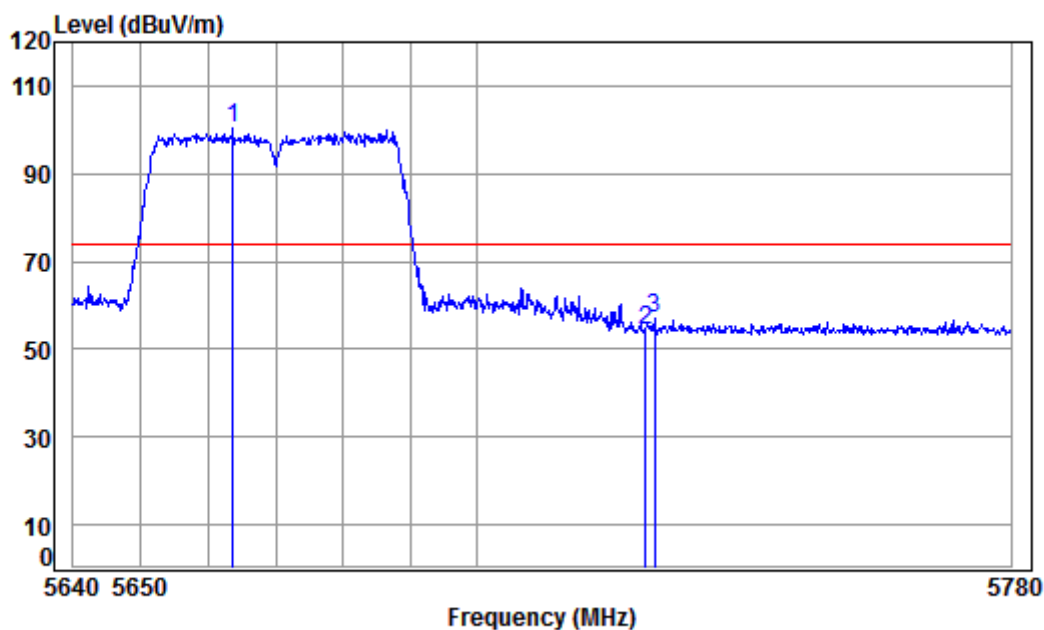
Job No : 05891CR\05892CR

Mode : 5510 Band edge

: 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5467.873	8.23	34.41	38.41	41.50	45.73	54.00	-8.27 Average
2	5470.000	8.24	34.41	38.41	41.29	45.53	54.00	-8.47 Average
3 pp	5494.950	8.25	34.40	38.40	82.78	87.03	54.00	33.03 Average

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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

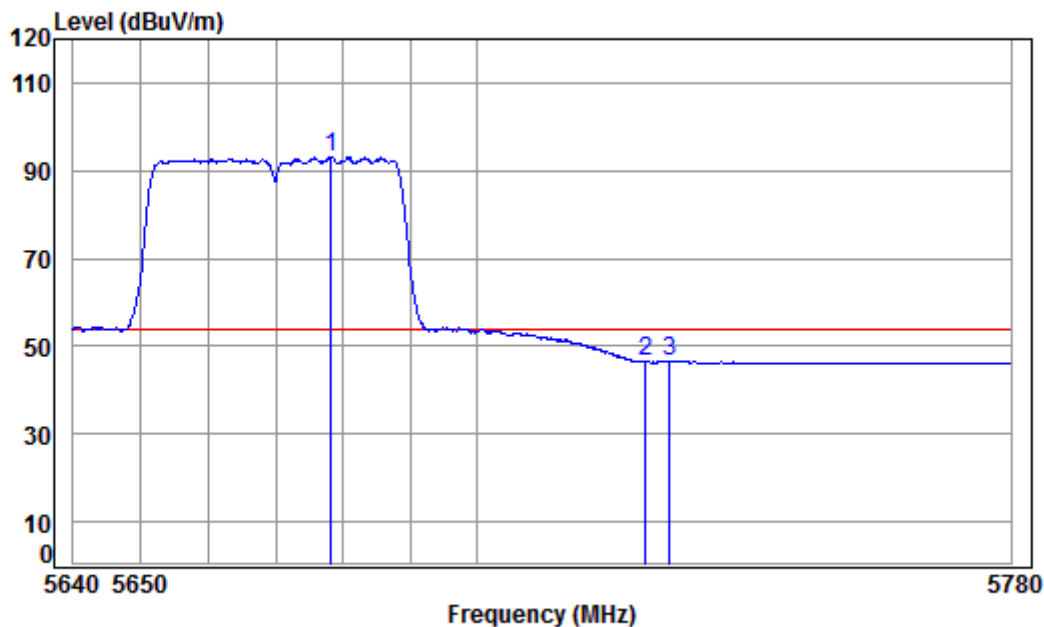
Mode : 5670 Band edge

: 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 5663.697	8.42	34.50	38.37	95.78	100.33	74.00	26.33	peak
2	5725.000	8.48	34.54	38.35	49.83	54.50	74.00	-19.50	Peak
3	5726.395	8.48	34.54	38.35	52.22	56.89	74.00	-17.11	Peak



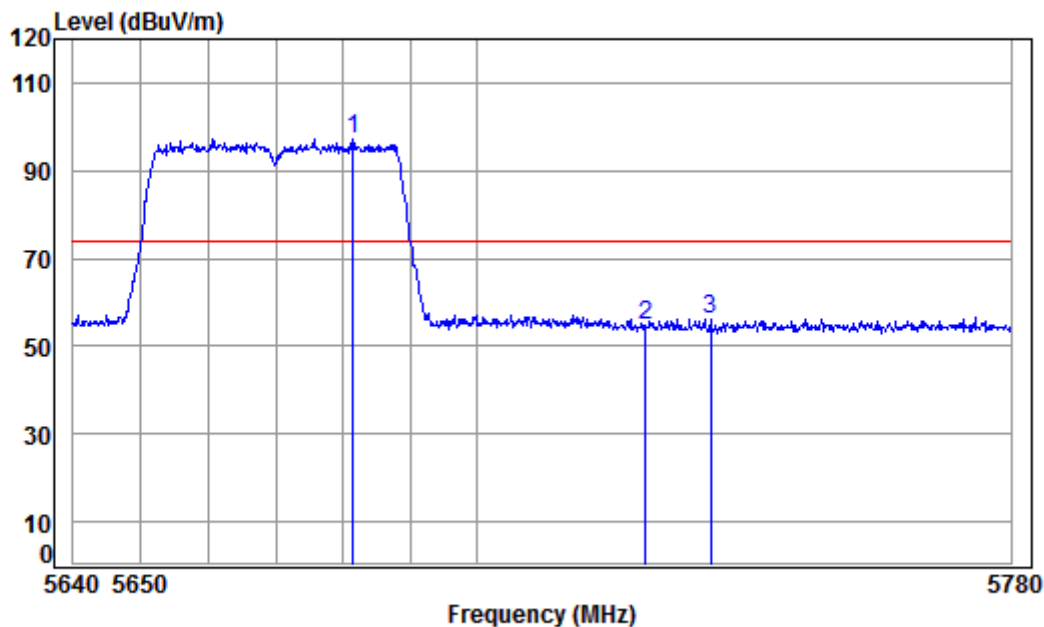
Mode:g; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL  
Job No : 05891CR\05892CR  
Mode : 5670 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 5678.158	8.43	34.51	38.36	88.60	93.18	54.00	39.18	Average
2	5725.000	8.48	34.54	38.35	41.84	46.51	54.00	-7.49	Average
3	5728.642	8.48	34.54	38.35	41.93	46.60	54.00	-7.40	Average

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



Condition: 3m VERTICAL

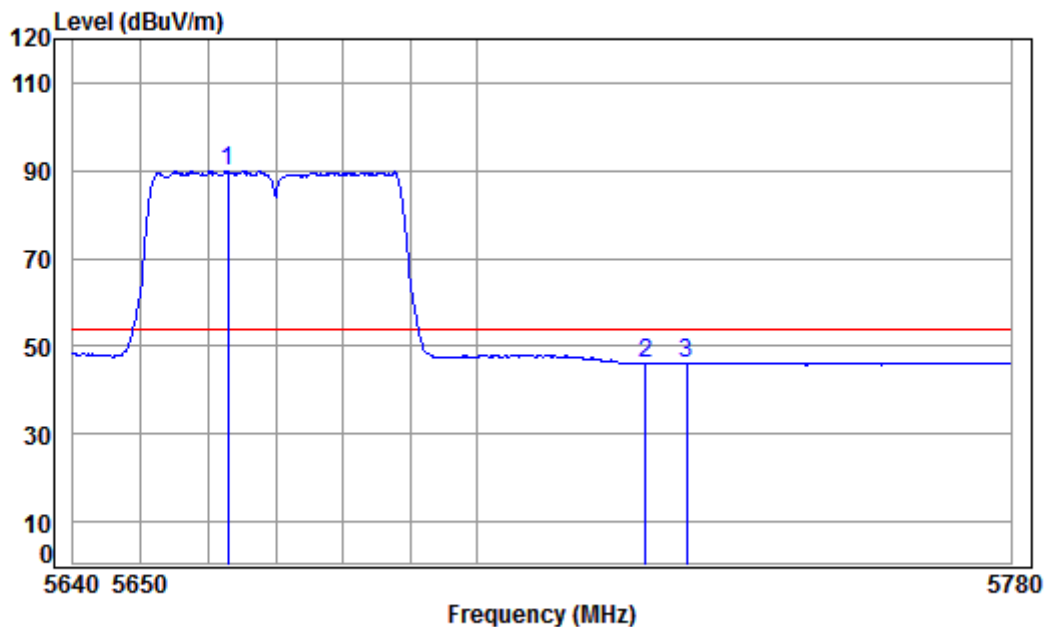
Job No : 05891CR\05892CR

Mode : 5670 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 5681.501	8.44	34.51	38.36	92.78	97.37	74.00	23.37	Peak
2	5725.000	8.48	34.54	38.35	50.01	54.68	74.00	-19.32	Peak
3	5734.826	8.49	34.54	38.35	51.51	56.19	74.00	-17.81	Peak

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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

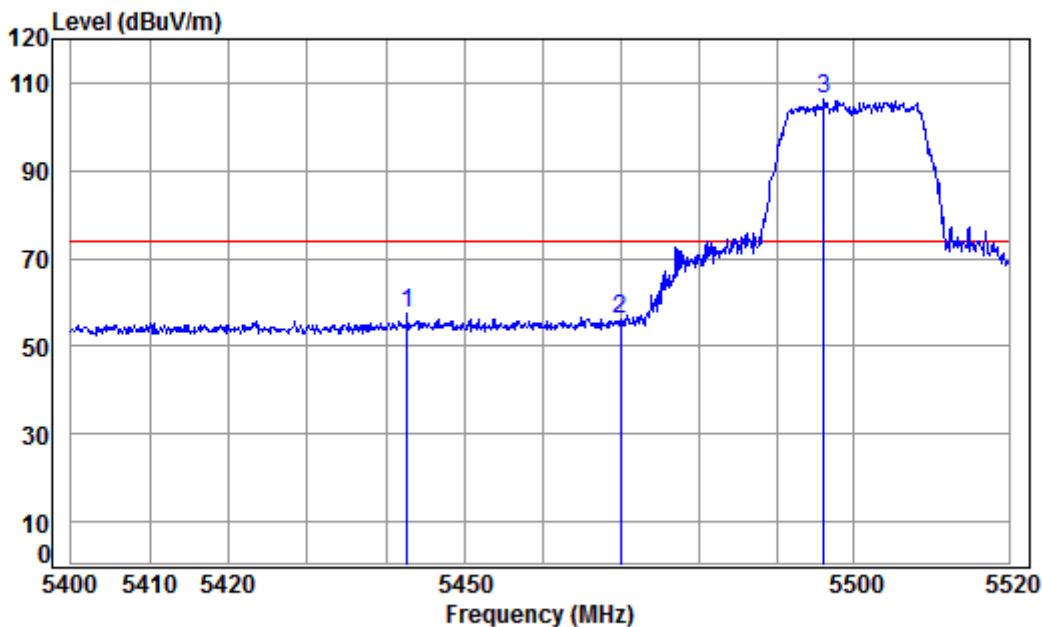
Mode : 5670 Band edge

: 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 5662.864	8.42	34.50	38.37	85.47	90.02	54.00	36.02	Average
2	5725.000	8.48	34.54	38.35	41.35	46.02	54.00	-7.98	Average
3	5731.171	8.49	34.54	38.35	41.47	46.15	54.00	-7.85	Average



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

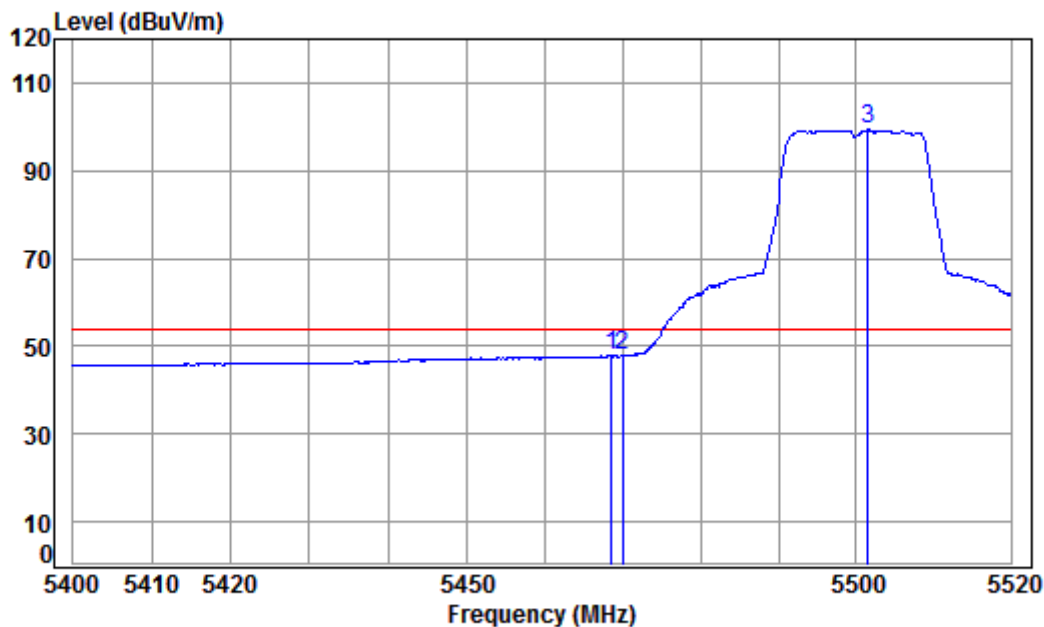


Condition: 3m HORIZONTAL  
Job No : 05891CR\05892CR  
Mode : 5500 Band edge  
: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5442.777	8.22	34.41	38.41	53.28	57.50	74.00	-16.50	peak
2	5470.000	8.24	34.41	38.41	51.78	56.02	74.00	-17.98	peak
3 pp	5496.151	8.25	34.40	38.40	101.86	106.11	74.00	32.11	peak



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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

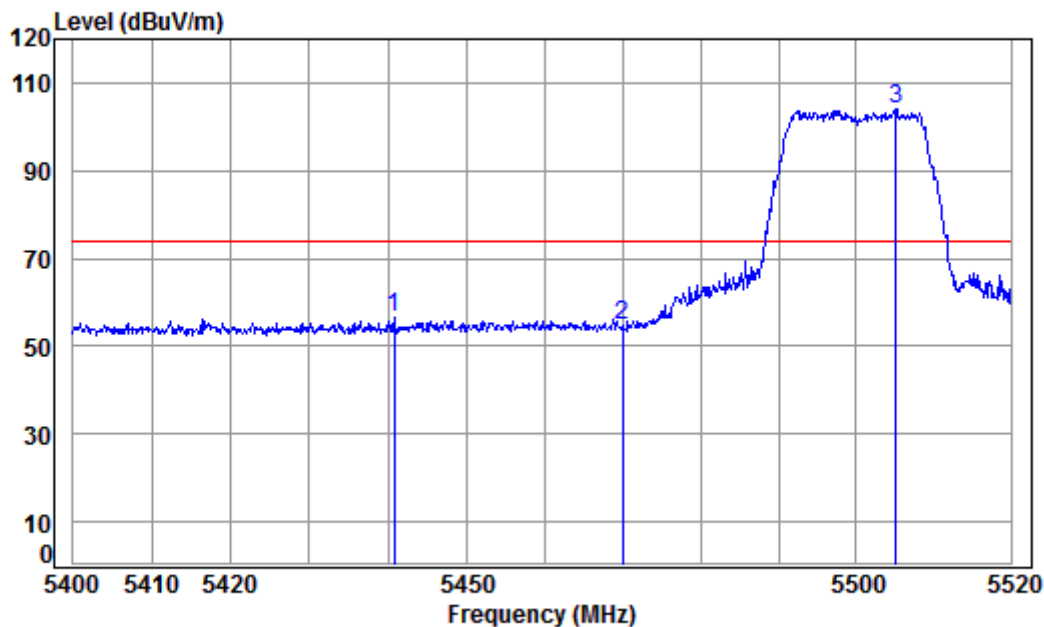
Mode : 5500 Band edge

: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5468.557	8.23	34.41	38.41	43.59	47.82	54.00	-6.18	Average
2	5470.000	8.24	34.41	38.41	43.51	47.75	54.00	-6.25	Average
3 pp	5501.589	8.25	34.40	38.40	95.05	99.30	54.00	45.30	Average



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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

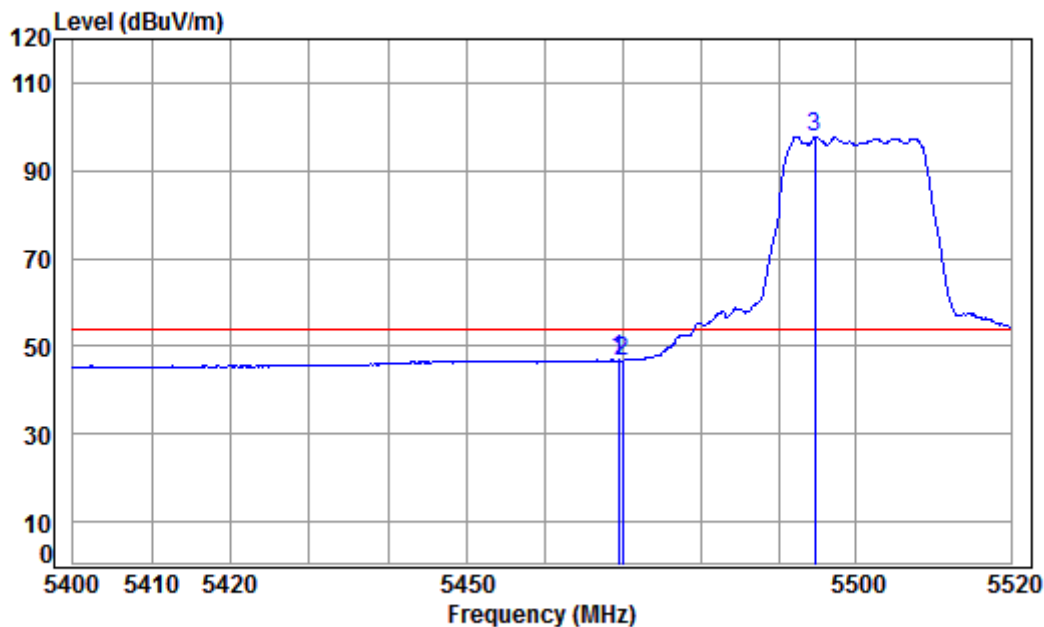
Mode : 5500 Band edge

: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5440.863	8.22	34.41	38.41	52.27	56.49	74.00	-17.51	Peak
2	5470.000	8.24	34.41	38.41	50.43	54.67	74.00	-19.33	Peak
3 pp	5505.097	8.26	34.40	38.40	99.74	104.00	74.00	30.00	Peak



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



Condition: 3m VERTICAL

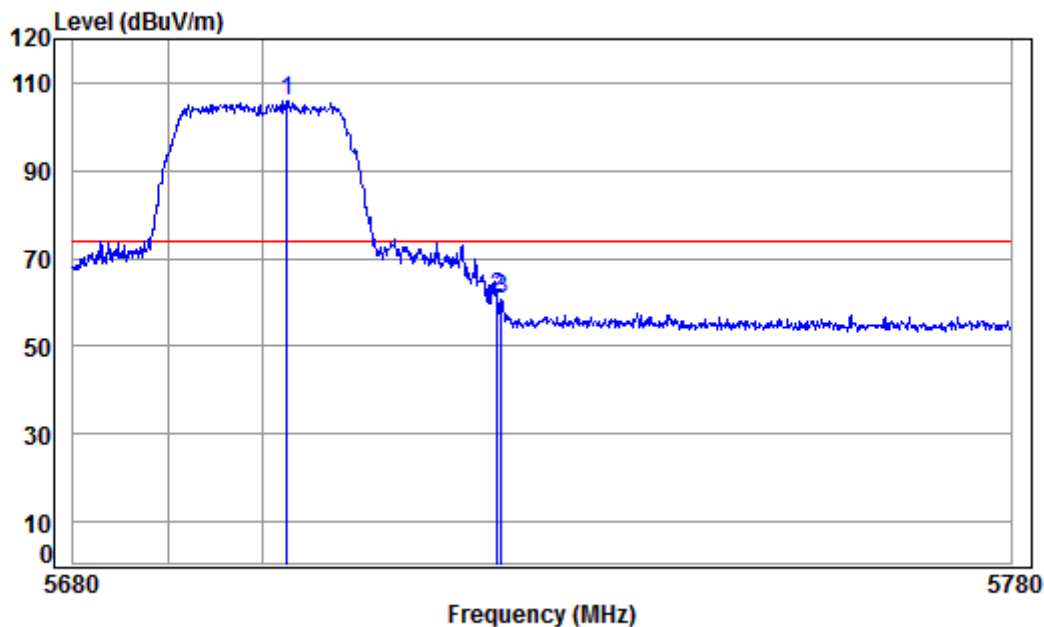
Job No : 05891CR\05892CR

Mode : 5500 Band edge

: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5469.519	8.24	34.41	38.41	42.59	46.83	54.00	-7.17	Average
2	5470.000	8.24	34.41	38.41	42.45	46.69	54.00	-7.31	Average
3 pp	5494.702	8.25	34.40	38.40	93.42	97.67	54.00	43.67	Average

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



Condition: 3m HORIZONTAL

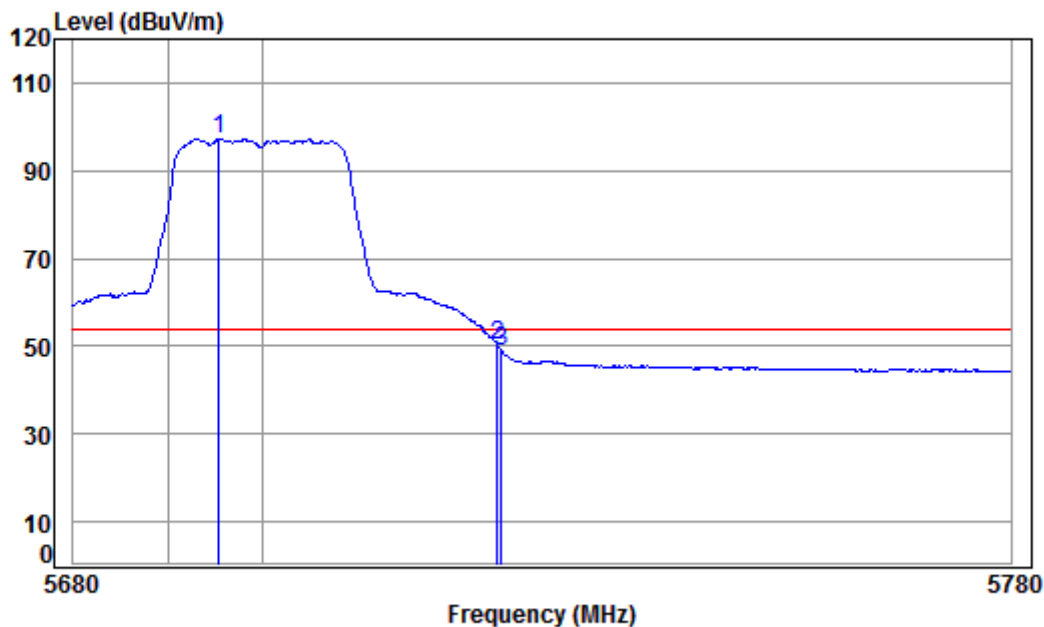
Job No : 05891CR\05892CR

Mode : 5700 Band edge

: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5702.646	8.46	34.52	38.36	101.45	106.07	74.00	32.07	peak
2	5725.000	8.48	34.54	38.35	56.33	61.00	74.00	-13.00	peak
3	5725.483	8.48	34.54	38.35	55.95	60.62	74.00	-13.38	peak

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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

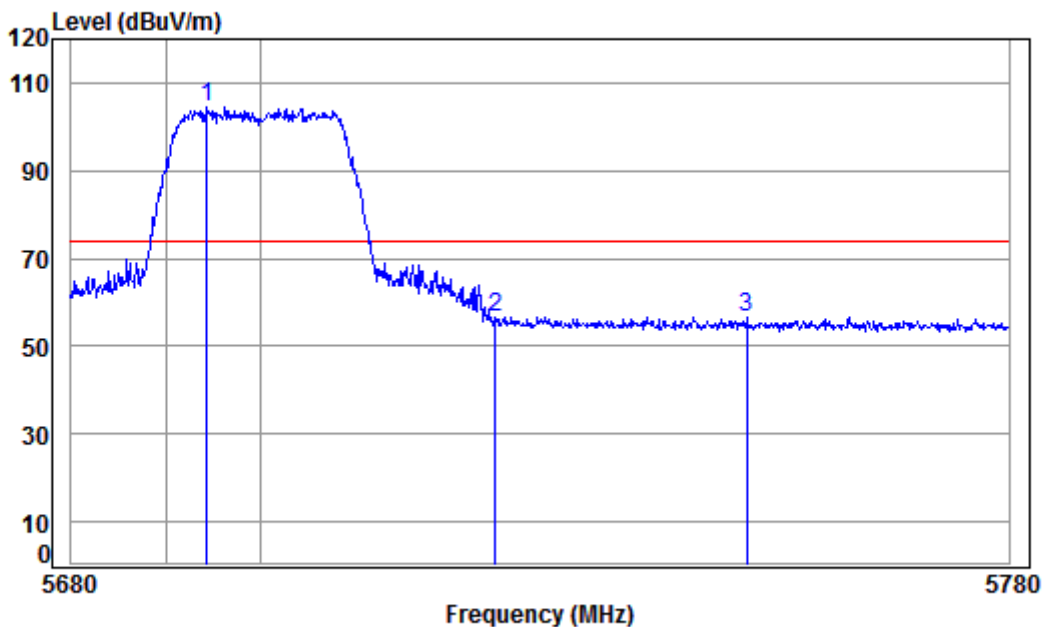
Mode : 5700 Band edge

: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5695.485	8.45	34.52	38.36	92.59	97.20	54.00	43.20	Average
2	5725.000	8.48	34.54	38.35	45.62	50.29	54.00	-3.71	Average
3	5725.483	8.48	34.54	38.35	44.38	49.05	54.00	-4.95	Average



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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

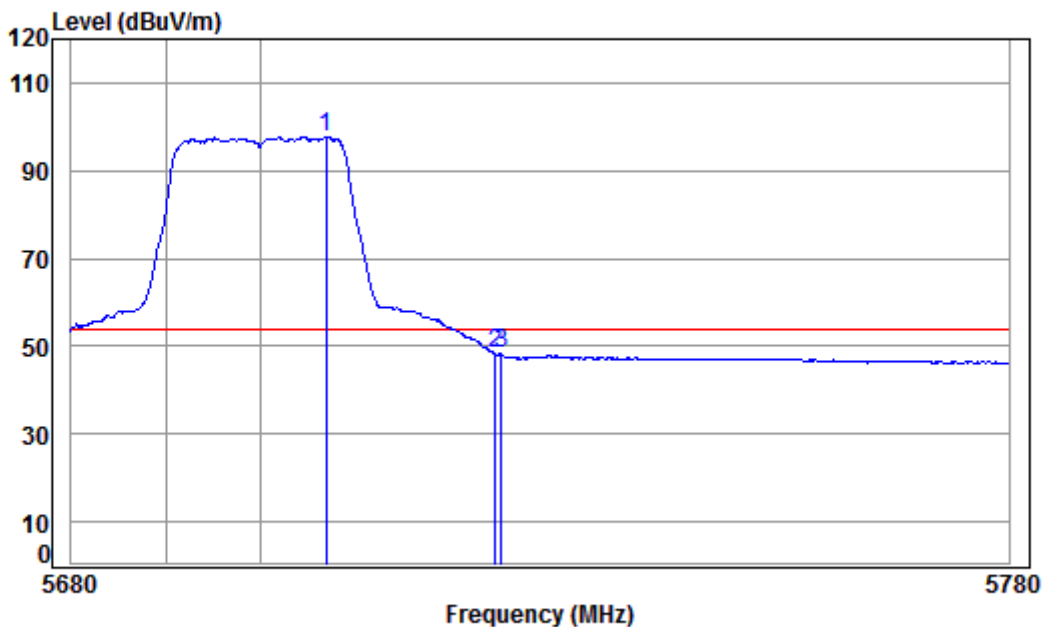
Mode : 5700 Band edge

: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5694.392	8.45	34.52	38.36	99.75	104.36	74.00	30.36	Peak
2	5725.000	8.48	34.54	38.35	52.02	56.69	74.00	-17.31	Peak
3	5751.824	8.51	34.55	38.35	51.87	56.58	74.00	-17.42	Peak



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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

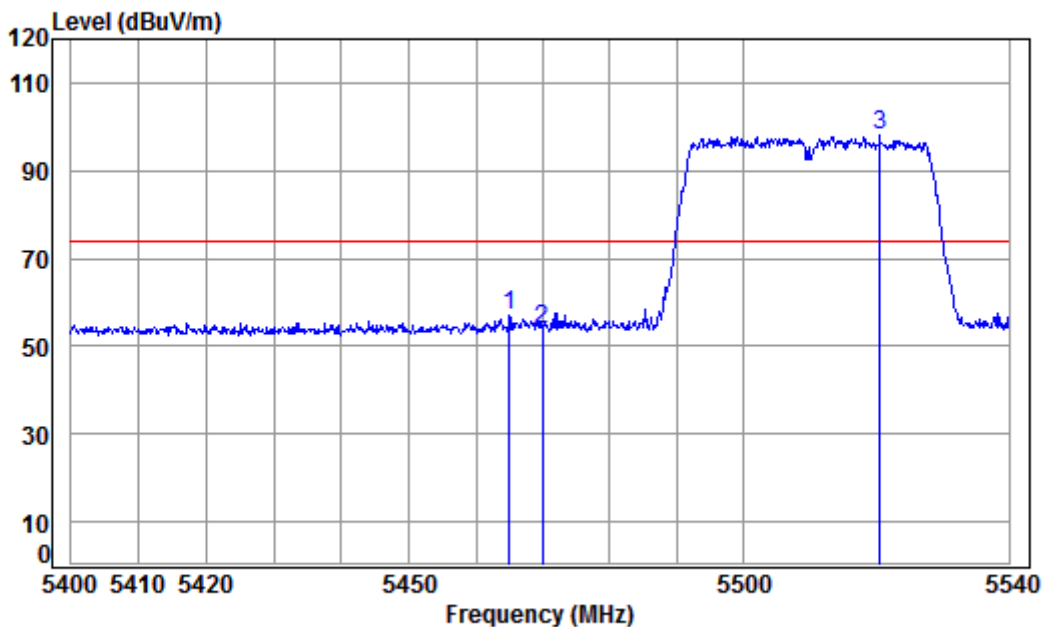
Mode : 5700 Band edge

: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5707.027	8.46	34.53	38.36	93.19	97.82	54.00	43.82	Average
2	5725.000	8.48	34.54	38.35	43.63	48.30	54.00	-5.70	Average
3	5725.684	8.48	34.54	38.35	43.51	48.18	54.00	-5.82	Average



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



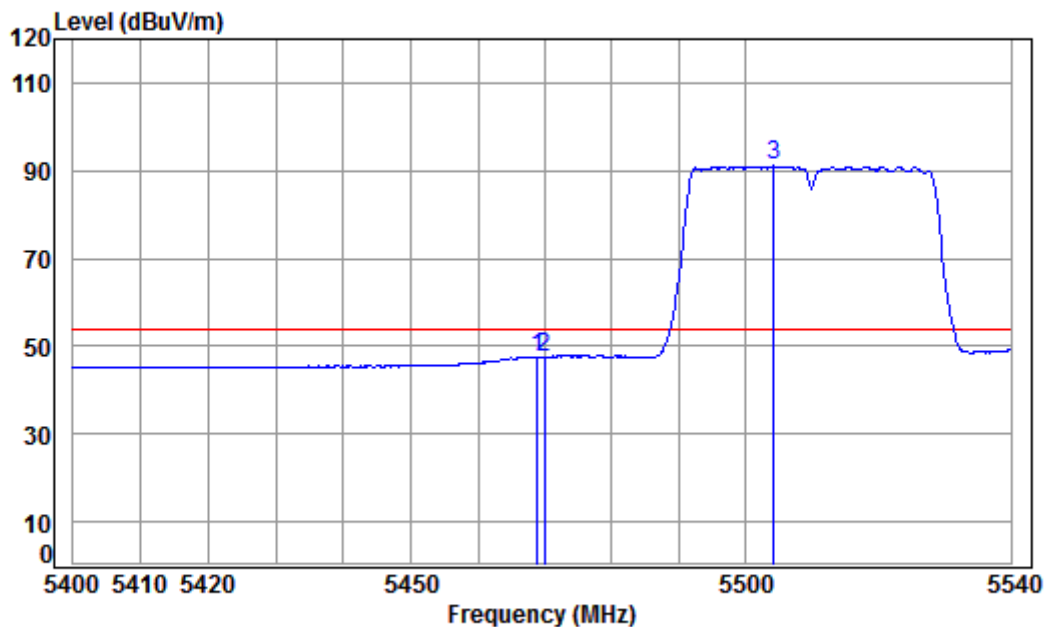
Condition: 3m HORIZONTAL  
Job No : 05891CR\05892CR  
Mode : 5510 Band edge  
: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5464.934	8.23	34.41	38.41	52.82	57.05	74.00	-16.95	peak
2	5470.000	8.24	34.41	38.41	49.69	53.93	74.00	-20.07	peak
3 pp	5520.466	8.27	34.41	38.40	93.59	97.87	74.00	23.87	peak





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



Condition: 3m HORIZONTAL

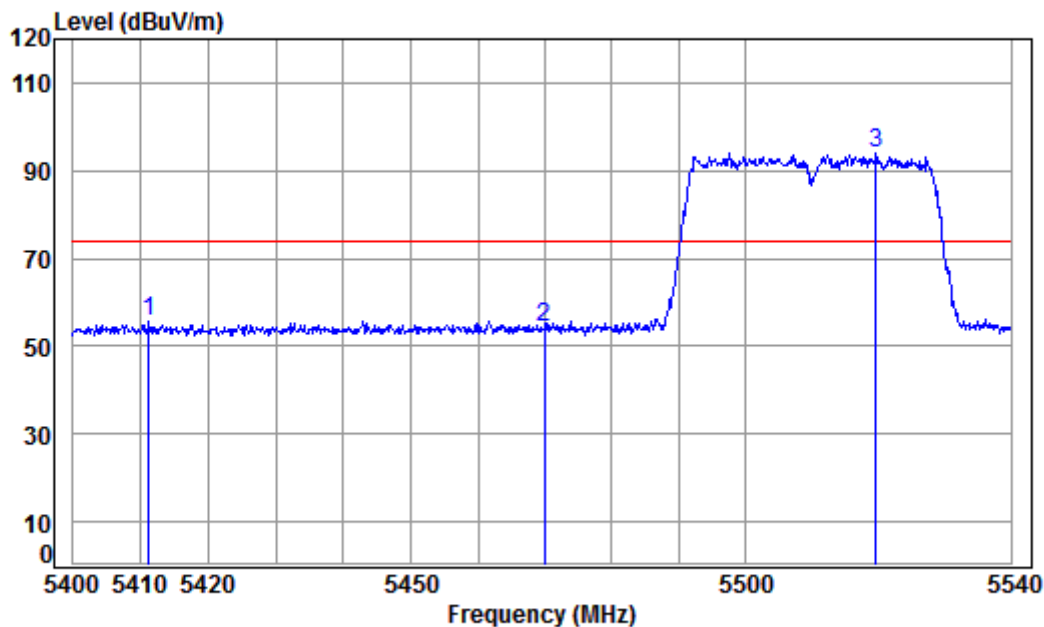
Job No : 05891CR\05892CR

Mode : 5510 Band edge

: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5468.852	8.24	34.41	38.41	43.32	47.56	54.00	-6.44	Average
2	5470.000	8.24	34.41	38.41	43.38	47.62	54.00	-6.38	Average
3 pp	5504.241	8.25	34.40	38.40	86.86	91.11	54.00	37.11	Average

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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

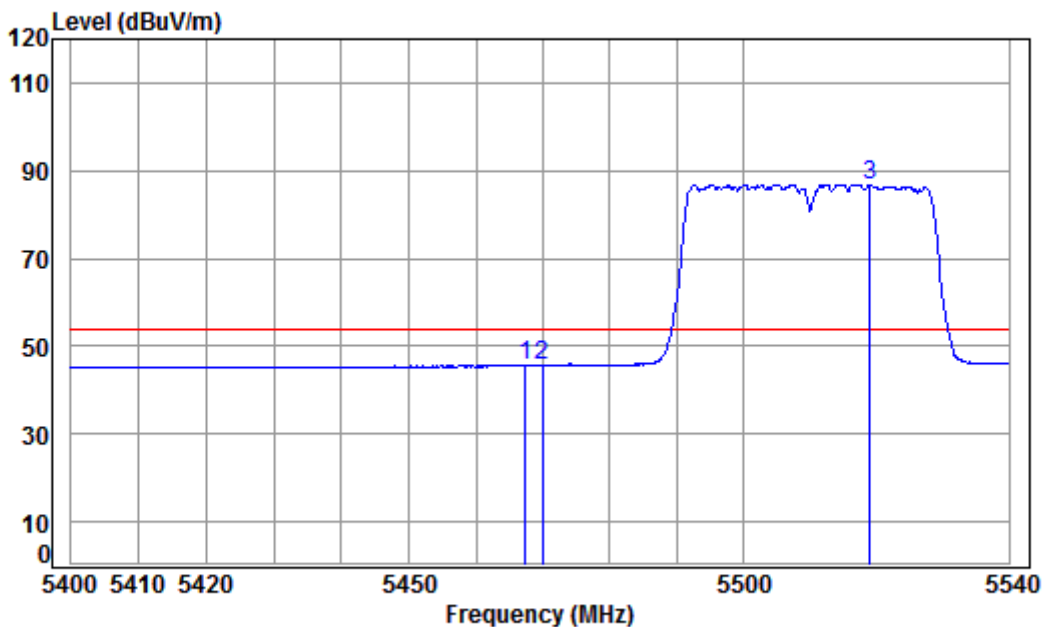
Mode : 5510 Band edge

: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5411.207	8.21	34.42	38.42	51.68	55.89	74.00	-18.11	Peak
2	5470.000	8.24	34.41	38.41	50.20	54.44	74.00	-19.56	Peak
3 pp	5519.619	8.27	34.41	38.40	89.57	93.85	74.00	19.85	Peak



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



Condition: 3m VERTICAL

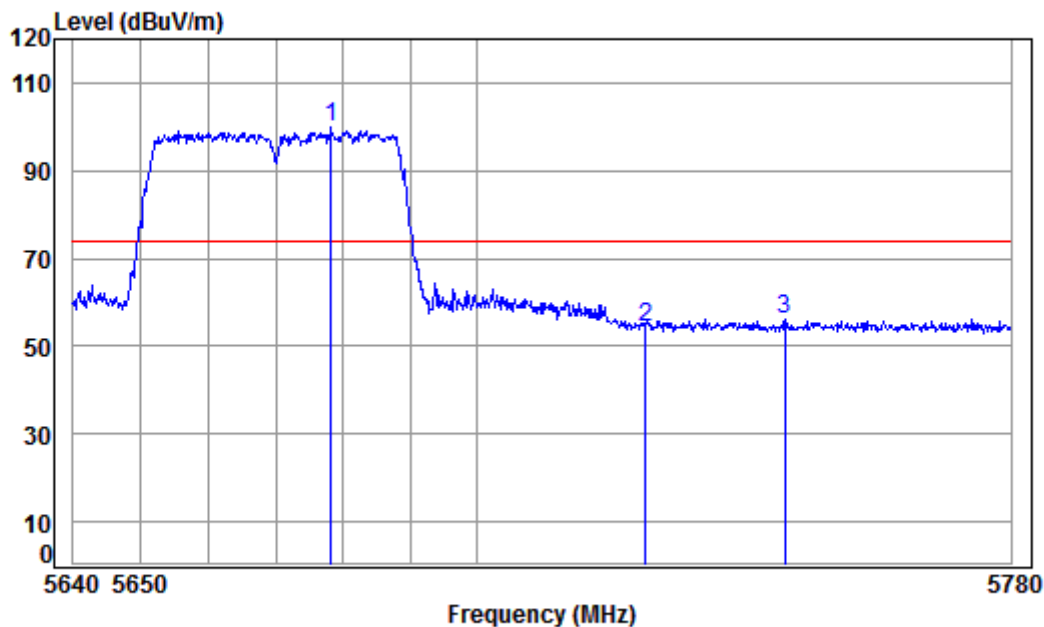
Job No : 05891CR\05892CR

Mode : 5510 Band edge

: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5467.313	8.23	34.41	38.41	41.53	45.76	54.00	-8.24	Average
2	5470.000	8.24	34.41	38.41	41.39	45.63	54.00	-8.37	Average
3 pp	5519.053	8.27	34.41	38.40	82.60	86.88	54.00	32.88	Average

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



Condition: 3m HORIZONTAL

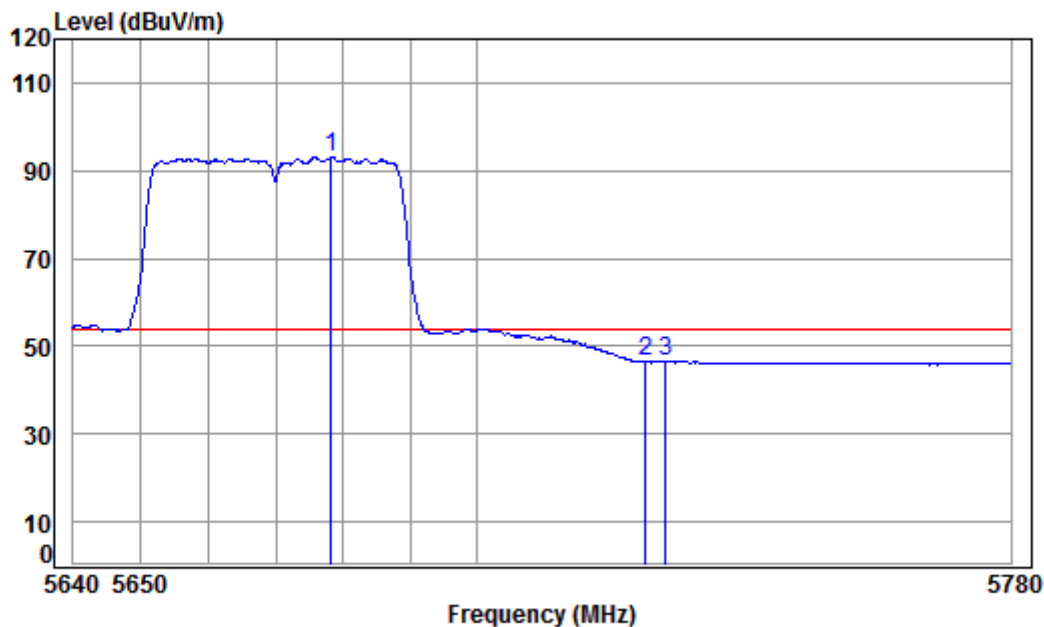
Job No : 05891CR\05892CR

Mode : 5670 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 5678.158	8.43	34.51	38.36	95.17	99.75	74.00	25.75	peak
2	5725.000	8.48	34.54	38.35	49.80	54.47	74.00	-19.53	peak
3	5745.945	8.50	34.55	38.35	51.62	56.32	74.00	-17.68	peak

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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

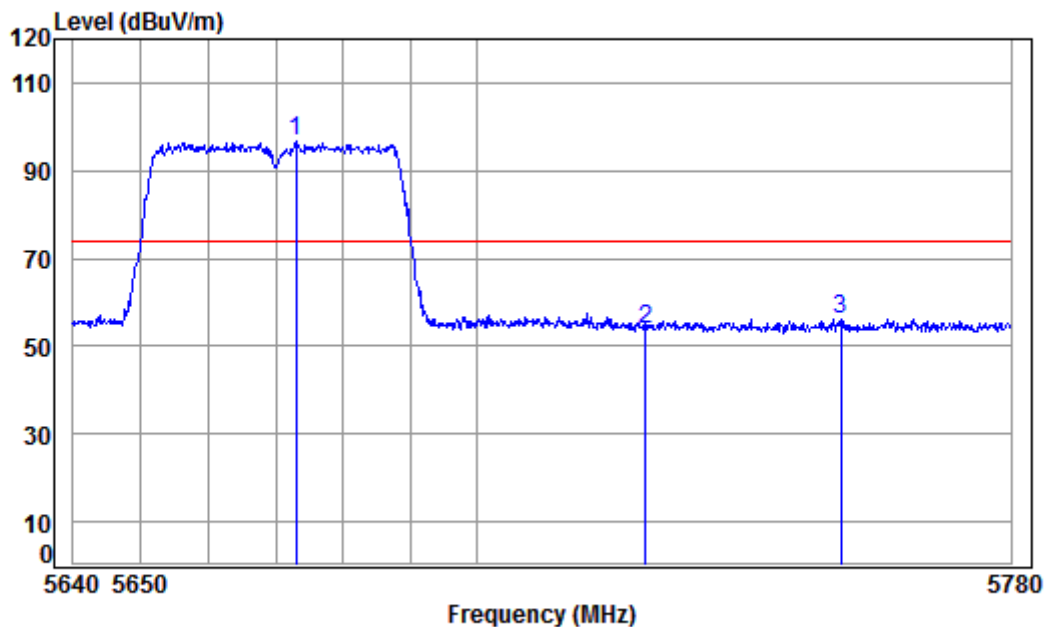
Mode : 5670 Band edge

: 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 5678.158	8.43	34.51	38.36	88.48	93.06	54.00	39.06	Average
2	5725.000	8.48	34.54	38.35	41.77	46.44	54.00	-7.56	Average
3	5728.081	8.48	34.54	38.35	41.99	46.66	54.00	-7.34	Average



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



Condition: 3m VERTICAL

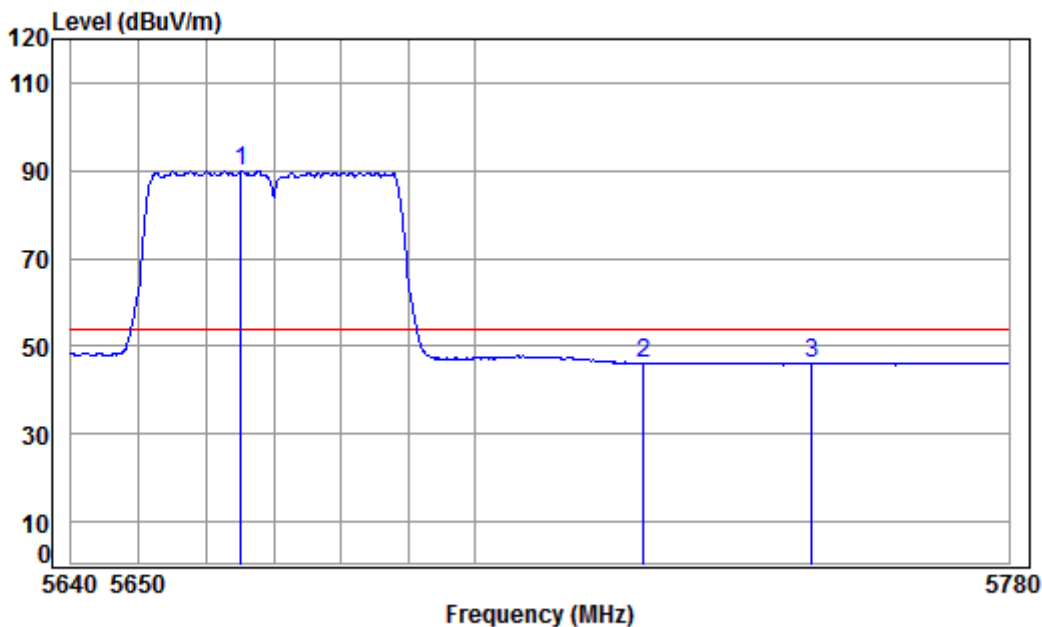
Job No : 05891CR\05892CR

Mode : 5670 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 5673.009	8.43	34.51	38.37	92.34	96.91	74.00	22.91	Peak
2	5725.000	8.48	34.54	38.35	49.29	53.96	74.00	-20.04	Peak
3	5754.405	8.51	34.56	38.35	51.63	56.35	74.00	-17.65	Peak

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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

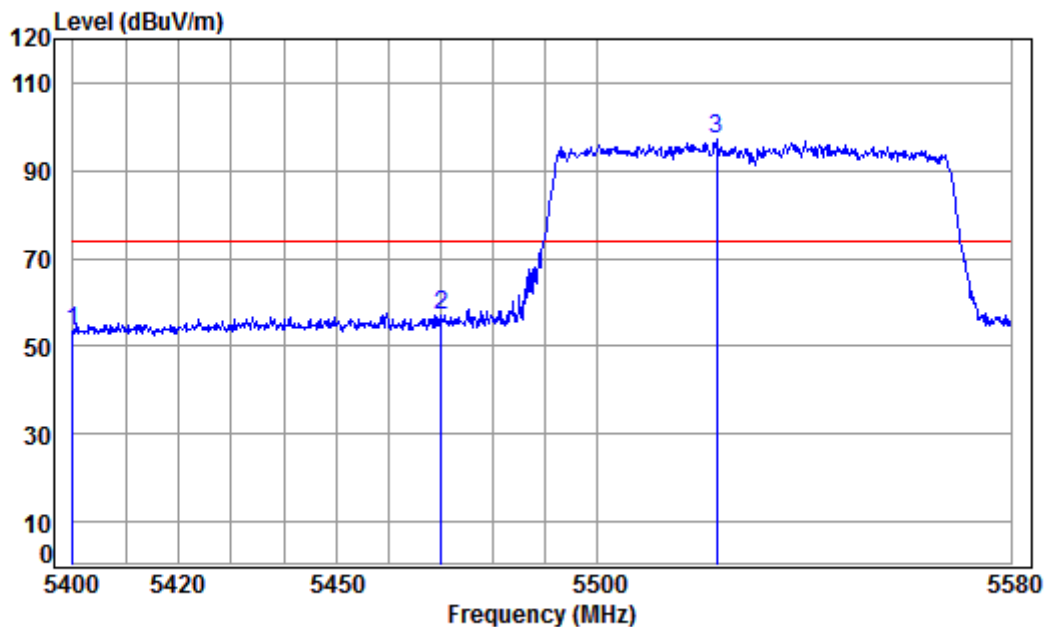
Mode : 5670 Band edge

: 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 5665.086	8.42	34.50	38.37	85.41	89.96	54.00	35.96	Average
2	5725.000	8.48	34.54	38.35	41.50	46.17	54.00	-7.83	Average
3	5750.314	8.51	34.55	38.35	41.46	46.17	54.00	-7.83	Average



Mode:g; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:80MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

Mode : 5530 Band edge

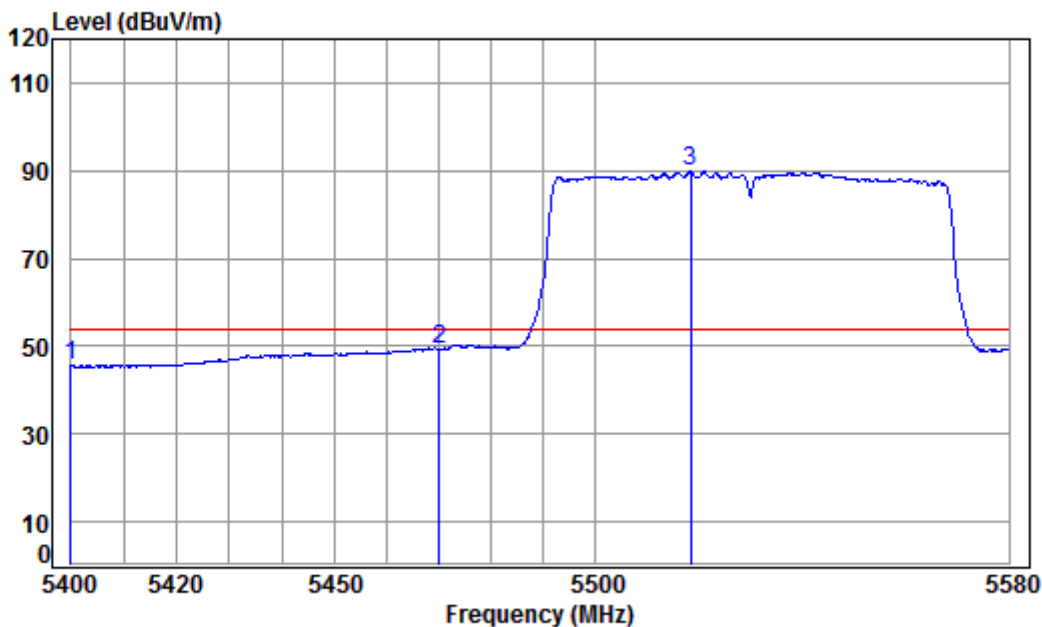
: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5400.000	8.20	34.42	38.42	49.13	53.33	74.00	-20.67	peak
2	5470.000	8.24	34.41	38.41	52.85	57.09	74.00	-16.91	peak
3	pp 5522.843	8.27	34.41	38.40	92.72	97.00	74.00	23.00	peak





Mode:g; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:80MHz; Channel:Low

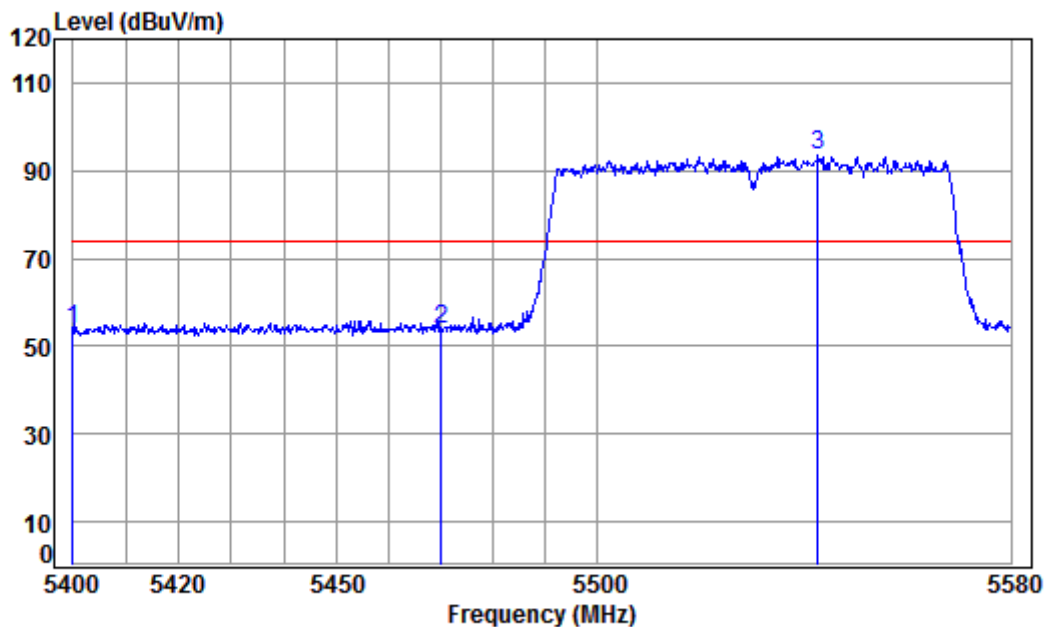


Condition: 3m HORIZONTAL  
Job No : 05891CR\05892CR  
Mode : 5530 Band edge  
: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5400.000	8.20	34.42	38.42	41.27	45.47	54.00	-8.53 Average
2	5470.000	8.24	34.41	38.41	45.01	49.25	54.00	-4.75 Average
3 pp	5518.317	8.27	34.41	38.40	85.49	89.77	54.00	35.77 Average



Mode:g; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:80MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

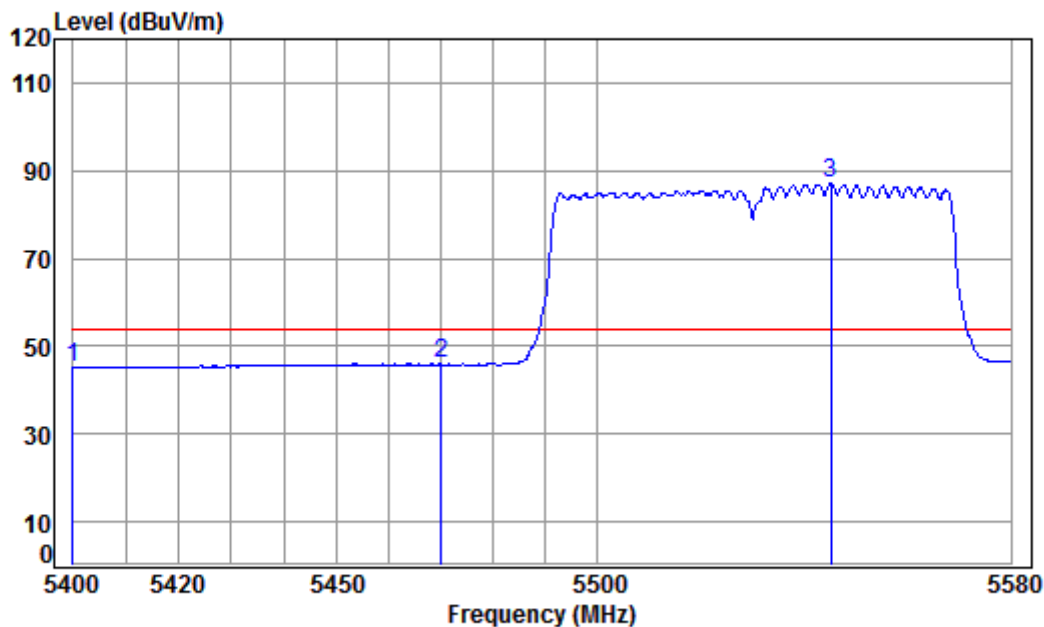
Mode : 5530 Band edge

: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5400.000	8.20	34.42	38.42	49.57	53.77	74.00	-20.23	Peak
2	5470.000	8.24	34.41	38.41	49.57	53.81	74.00	-20.19	Peak
3	pp 5542.436	8.29	34.43	38.39	89.09	93.42	74.00	19.42	Peak



Mode:g; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:80MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

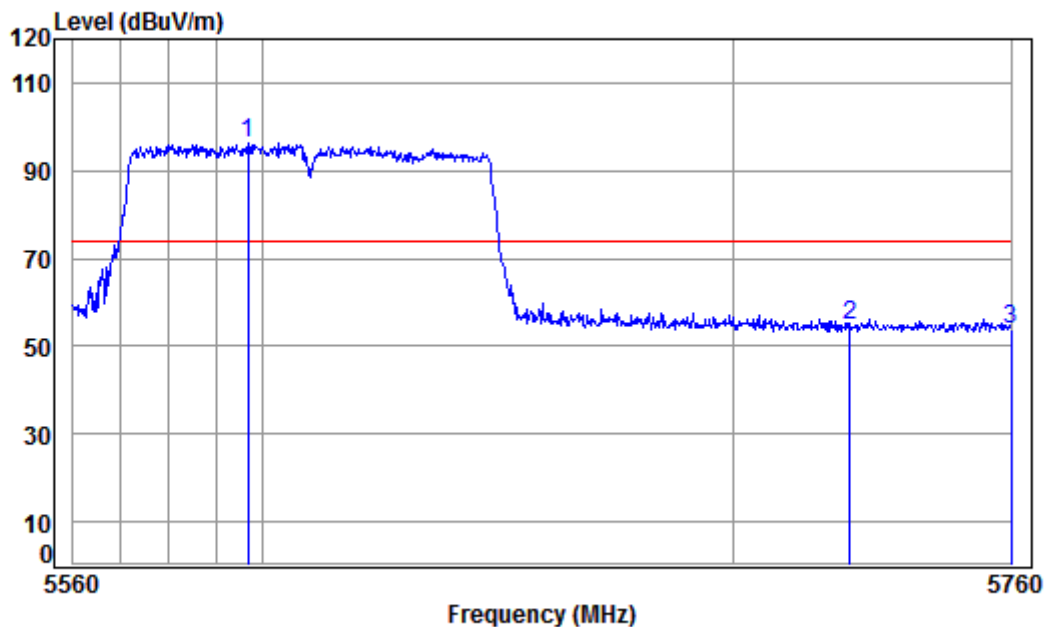
Mode : 5530 Band edge

: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5400.000	8.20	34.42	38.42	41.00	45.20	54.00	-8.80	Average
2	5470.000	8.24	34.41	38.41	41.67	45.91	54.00	-8.09	Average
3 pp	5544.980	8.30	34.43	38.39	82.62	86.96	54.00	32.96	Average



Mode:g; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:80MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

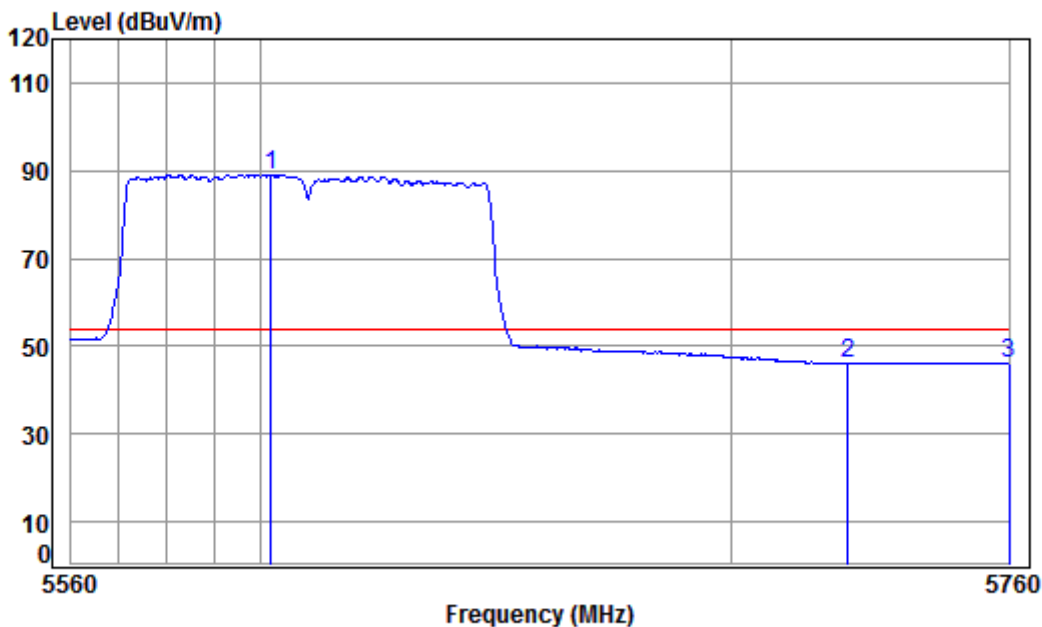
Mode : 5610 Band edge

: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5596.865	8.35	34.46	38.38	91.83	96.26	74.00	22.26	peak
2	5725.095	8.48	34.54	38.35	50.27	54.94	74.00	-19.06	peak
3	5760.000	8.52	34.56	38.35	49.04	53.77	74.00	-20.23	peak



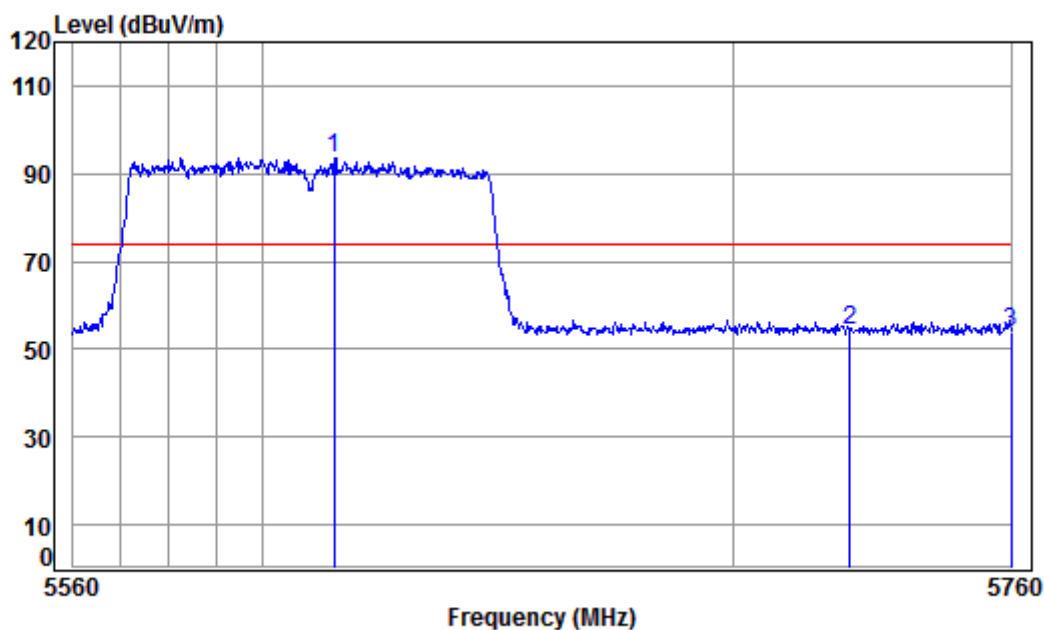
Mode:g; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:80MHz; Channel:High



Condition: 3m HORIZONTAL  
Job No : 05891CR\05892CR  
Mode : 5610 Band edge  
: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5602.010	8.36	34.46	38.38	84.72	89.16	54.00	35.16	Average
2	5725.095	8.48	34.54	38.35	41.29	45.96	54.00	-8.04	Average
3	5760.000	8.52	34.56	38.35	41.19	45.92	54.00	-8.08	Average

Mode:g; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:80MHz; Channel:High



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

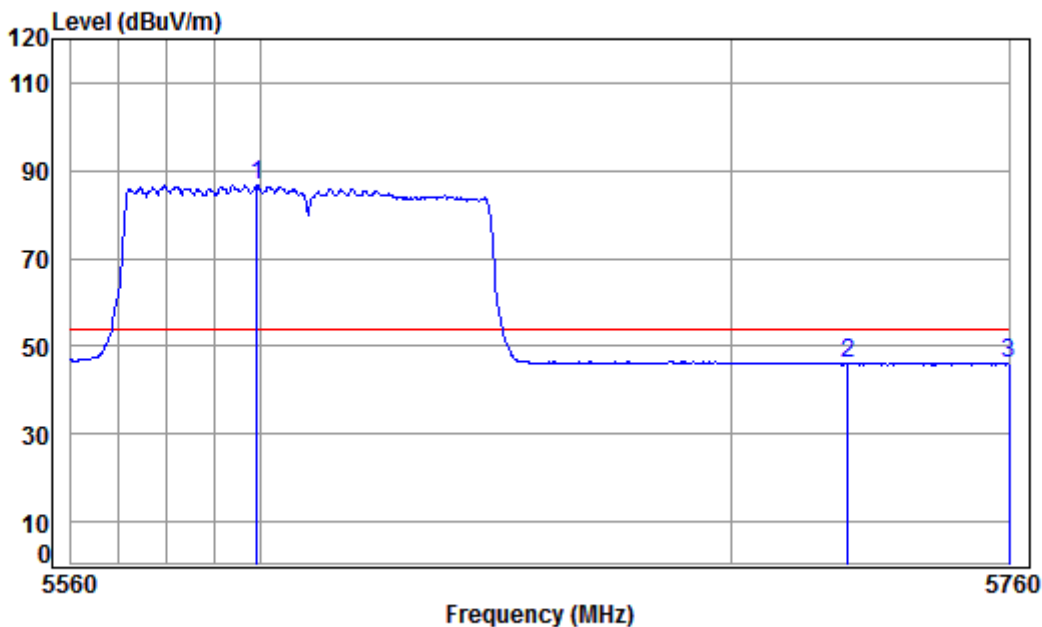
Mode : 5610 Band edge

: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5614.893	8.37	34.47	38.38	88.98	93.44	74.00	19.44	Peak
2	5725.095	8.48	34.54	38.35	49.48	54.15	74.00	-19.85	Peak
3	5760.000	8.52	34.56	38.35	49.14	53.87	74.00	-20.13	Peak



Mode:g; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:80MHz; Channel:High



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

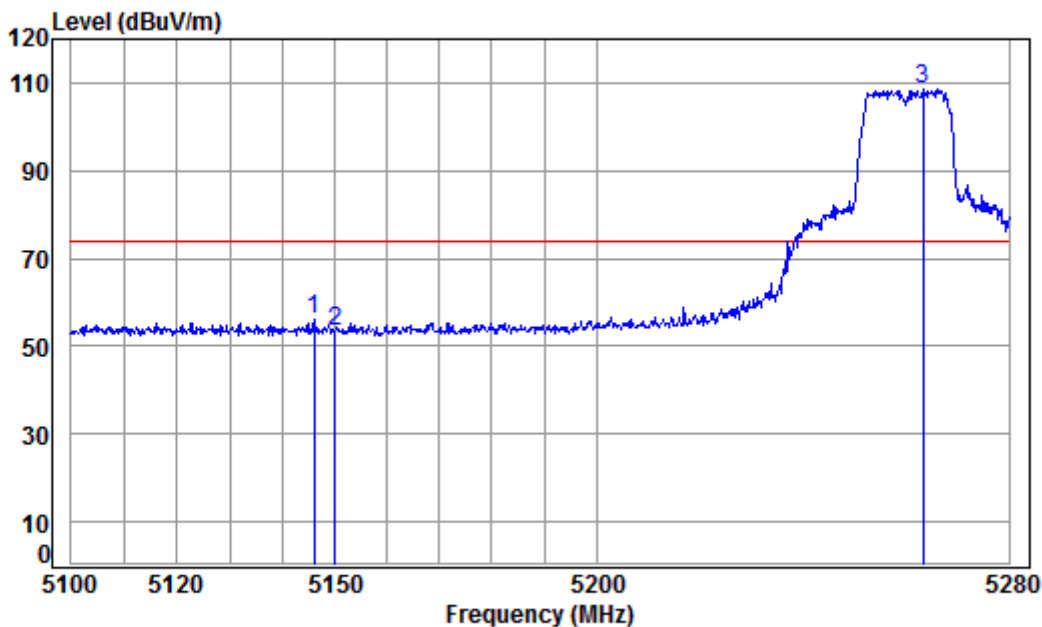
Mode : 5610 Band edge

: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5599.041	8.35	34.46	38.38	82.33	86.76	54.00	32.76	Average
2	5725.095	8.48	34.54	38.35	41.27	45.94	54.00	-8.06	Average
3	5760.000	8.52	34.56	38.35	41.16	45.89	54.00	-8.11	Average



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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

Mode : 5260 Band edge

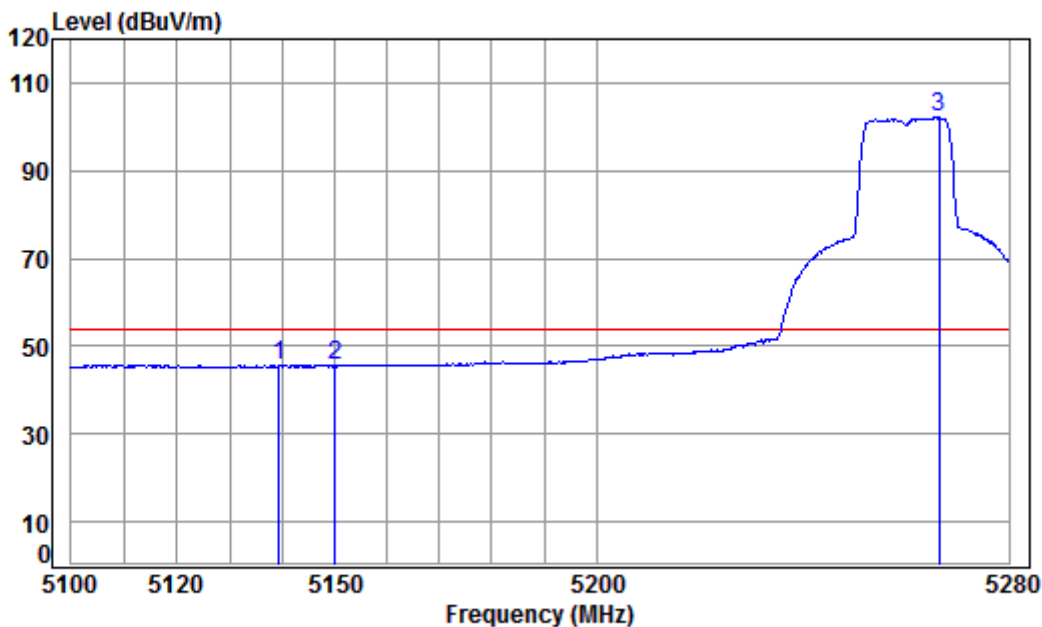
: 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5146.022	8.08	34.47	38.47	52.25	56.33	74.00	-17.67	peak
2	5150.000	8.08	34.47	38.47	49.32	53.40	74.00	-20.60	peak
3 pp	5263.178	8.13	34.45	38.45	104.26	108.39	74.00	34.39	peak





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

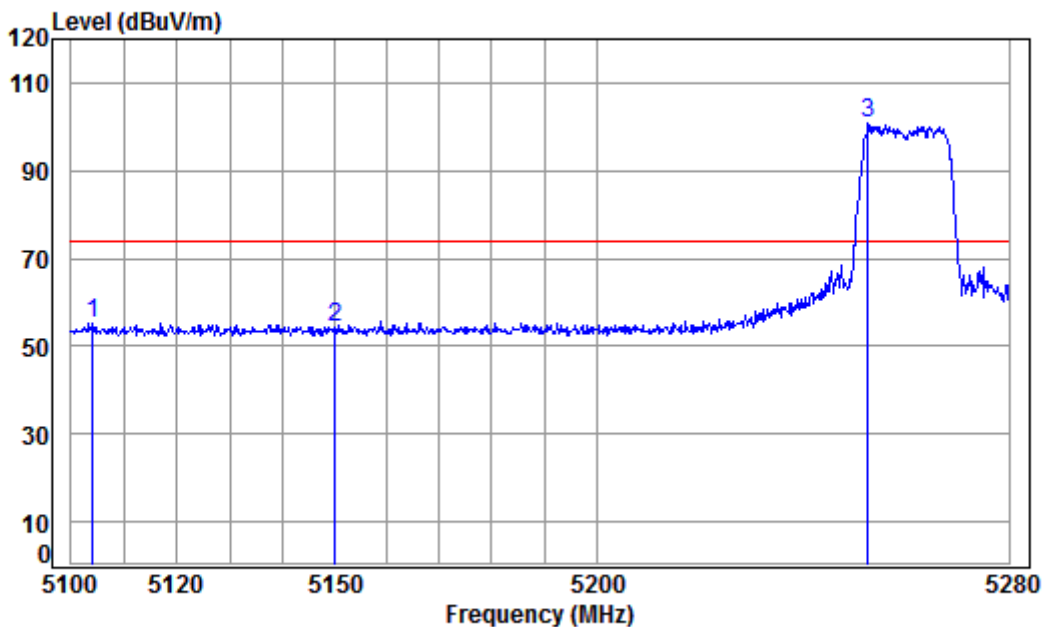


Condition: 3m HORIZONTAL  
Job No : 05891CR\05892CR  
Mode : 5260 Band edge  
: 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5139.422	8.07	34.47	38.47	41.58	45.65	54.00	-8.35	Average
2	5150.000	8.08	34.47	38.47	41.38	45.46	54.00	-8.54	Average
3 pp	5266.465	8.14	34.45	38.45	98.03	102.17	54.00	48.17	Average



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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

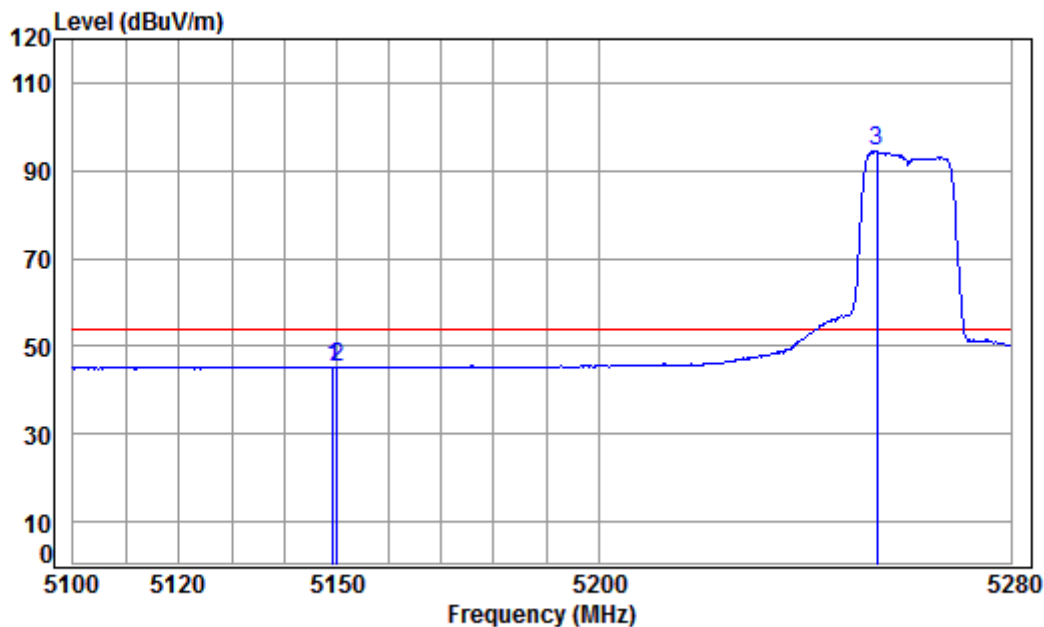
Mode : 5260 Band edge

: 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5104.070	8.05	34.48	38.48	51.09	55.14	74.00	-18.86	Peak
2	5150.000	8.08	34.47	38.47	50.23	54.31	74.00	-19.69	Peak
3 pp	5252.601	8.13	34.45	38.45	96.58	100.71	74.00	26.71	Peak



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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

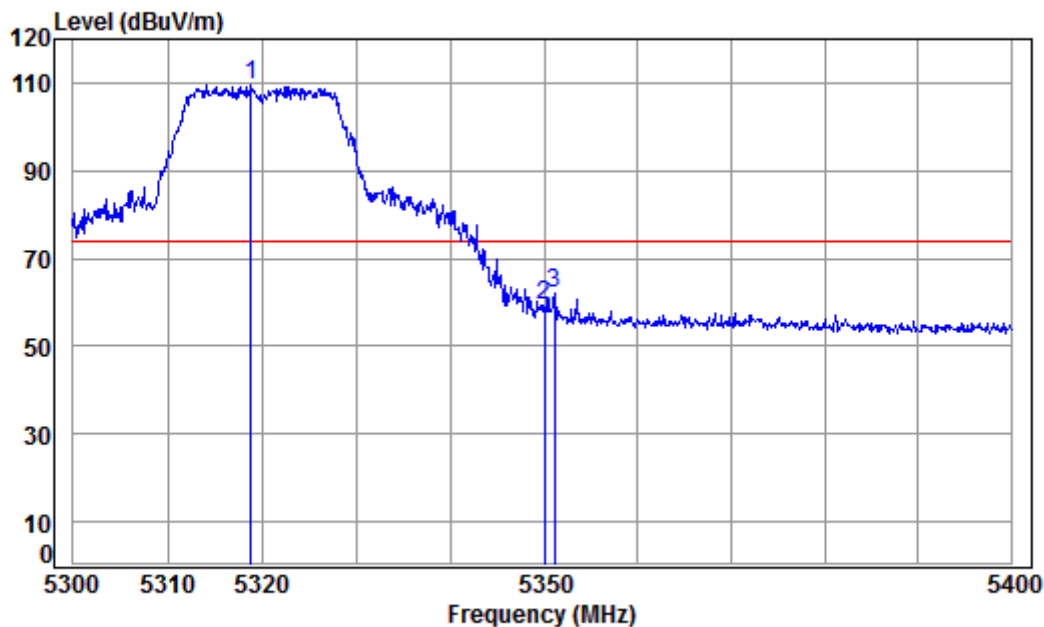
Mode : 5260 Band edge

: 5G WIFI 11A

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.236	8.08	34.47	38.47	41.17	45.25	54.00	-8.75 Average
2	5150.000	8.08	34.47	38.47	41.01	45.09	54.00	-8.91 Average
3 pp	5253.876	8.13	34.45	38.45	90.21	94.34	54.00	40.34 Average



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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

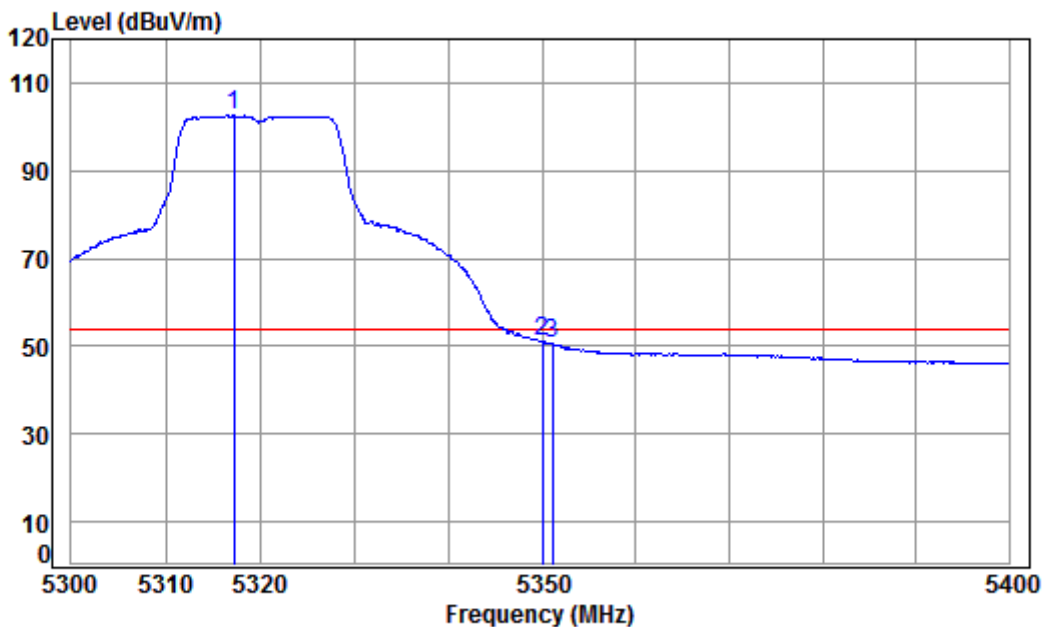
Mode : 5320 Band edge

: 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5318.856	8.16	34.44	38.44	105.33	109.49	74.00	35.49	peak
2	5350.000	8.18	34.43	38.43	55.00	59.18	74.00	-14.82	peak
3	5351.066	8.18	34.43	38.43	57.95	62.13	74.00	-11.87	peak



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

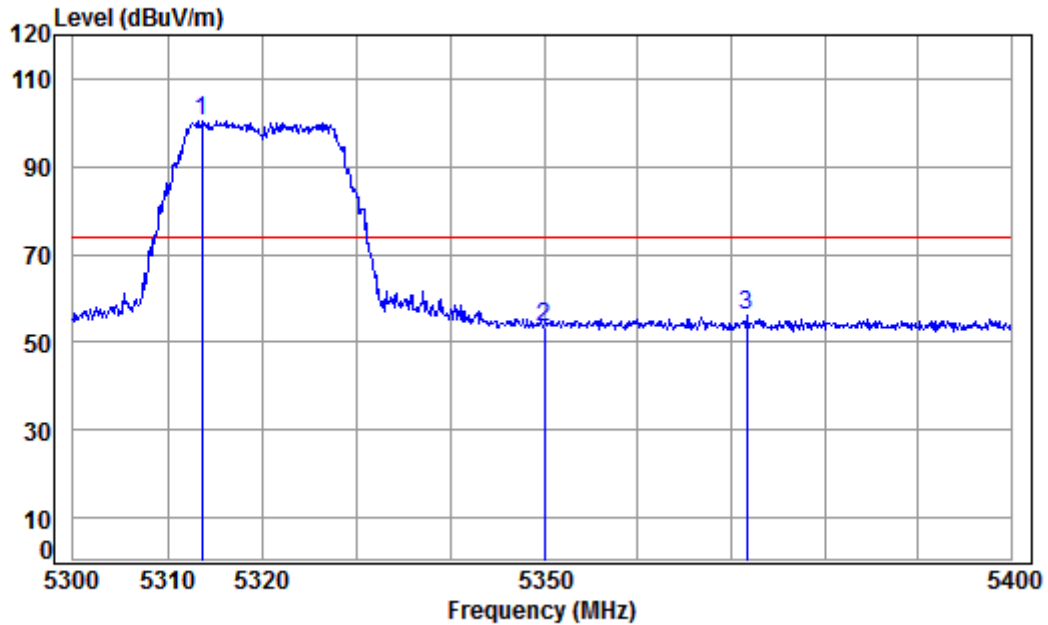


Condition: 3m HORIZONTAL  
Job No : 05891CR\05892CR  
Mode : 5320 Band edge  
: 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5317.266	8.16	34.44	38.44	98.33	102.49	54.00	48.49	Average
2	5350.000	8.18	34.43	38.43	46.80	50.98	54.00	-3.02	Average
3	5351.066	8.18	34.43	38.43	46.51	50.69	54.00	-3.31	Average



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



Condition: 3m VERTICAL

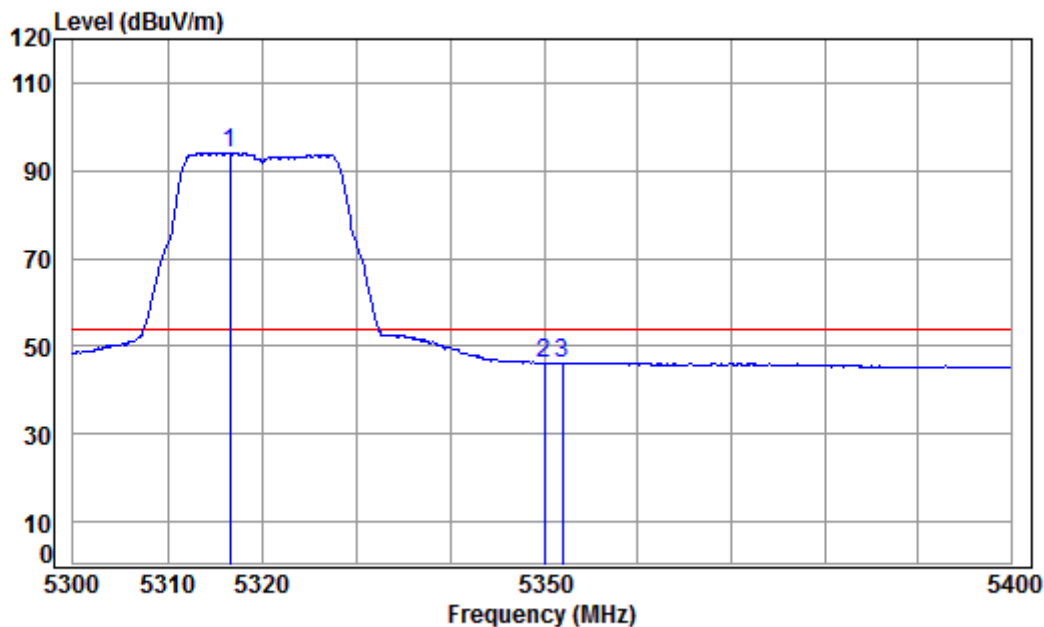
Job No : 05891CR\05892CR

Mode : 5320 Band edge

: 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5313.590	8.16	34.44	38.44	96.41	100.57	74.00	26.57	Peak
2	5350.000	8.18	34.43	38.43	49.38	53.56	74.00	-20.44	Peak
3	5371.610	8.19	34.42	38.43	51.96	56.14	74.00	-17.86	Peak

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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

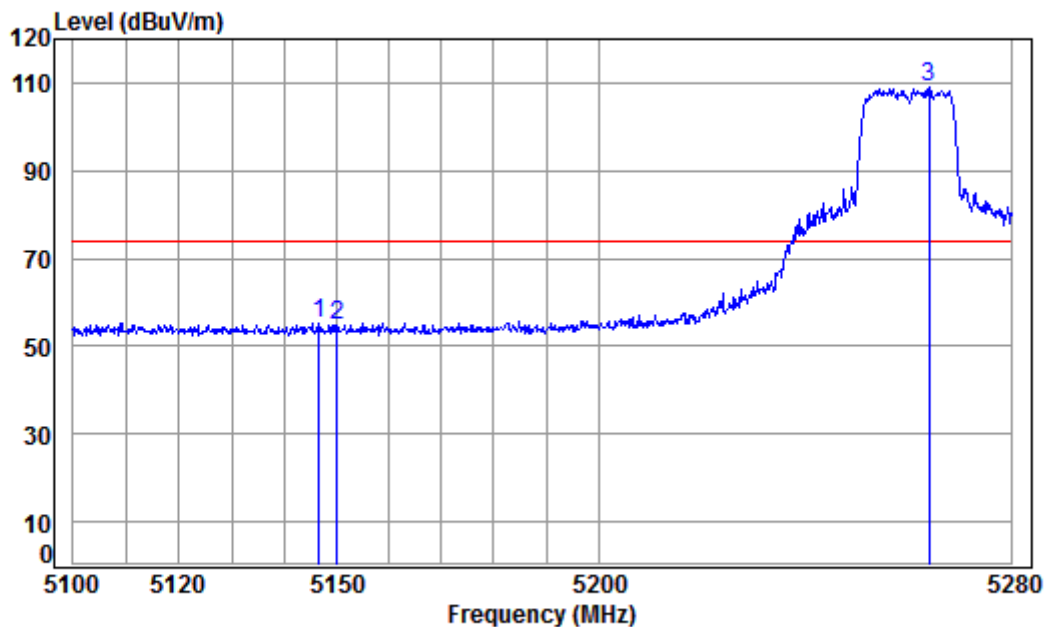
Mode : 5320 Band edge

: 5G WIFI 11A

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5316.570	8.16	34.44	38.44	89.83	93.99	54.00	39.99	Average
2	5350.000	8.18	34.43	38.43	42.04	46.22	54.00	-7.78	Average
3	5351.967	8.18	34.43	38.43	42.06	46.24	54.00	-7.76	Average



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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

Mode : 5260 Band edge

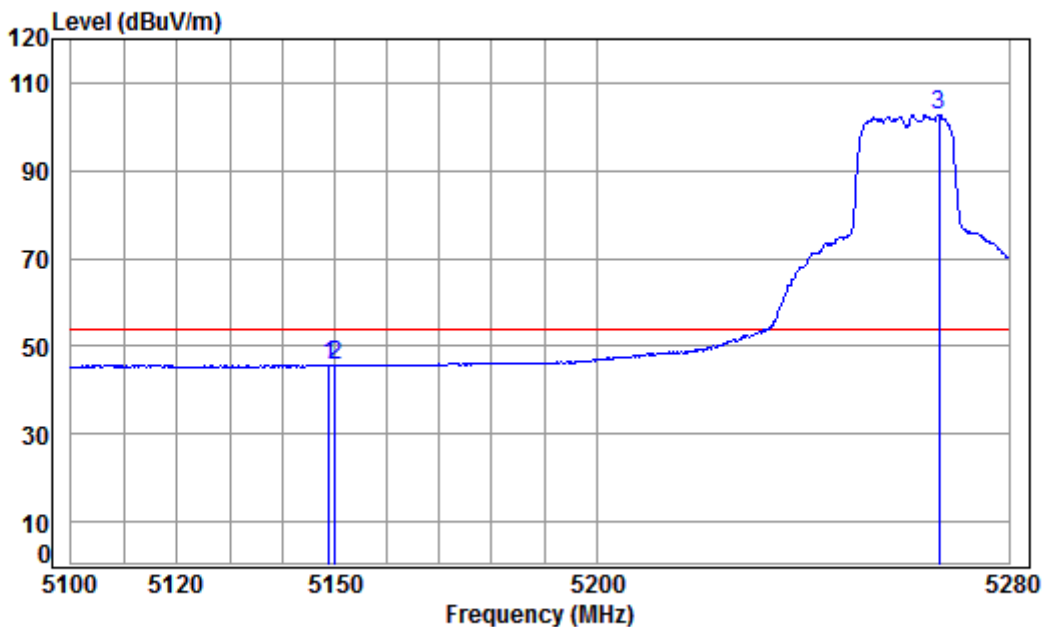
: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5146.558	8.08	34.47	38.47	51.29	55.37	74.00	-18.63	peak
2	5150.000	8.08	34.47	38.47	50.48	54.56	74.00	-19.44	peak
3 pp	5264.091	8.14	34.45	38.45	104.84	108.98	74.00	34.98	peak





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

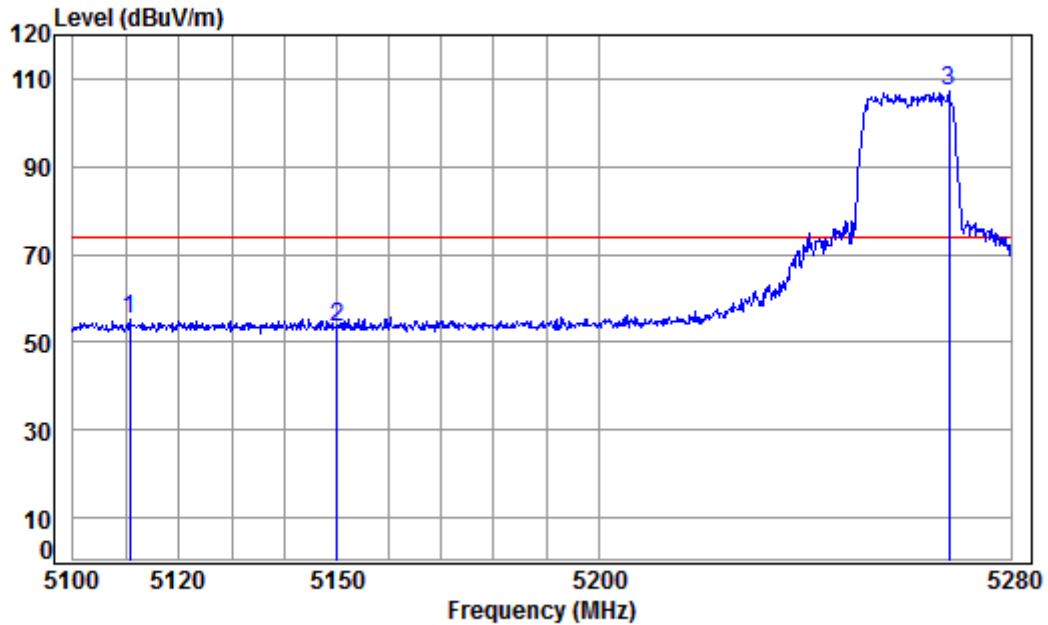


Condition: 3m HORIZONTAL  
Job No : 05891CR\05892CR  
Mode : 5260 Band edge  
: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.879	8.08	34.47	38.47	41.62	45.70	54.00	-8.30	Average
2	5150.000	8.08	34.47	38.47	41.49	45.57	54.00	-8.43	Average
3 pp	5266.465	8.14	34.45	38.45	98.66	102.80	54.00	48.80	Average



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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

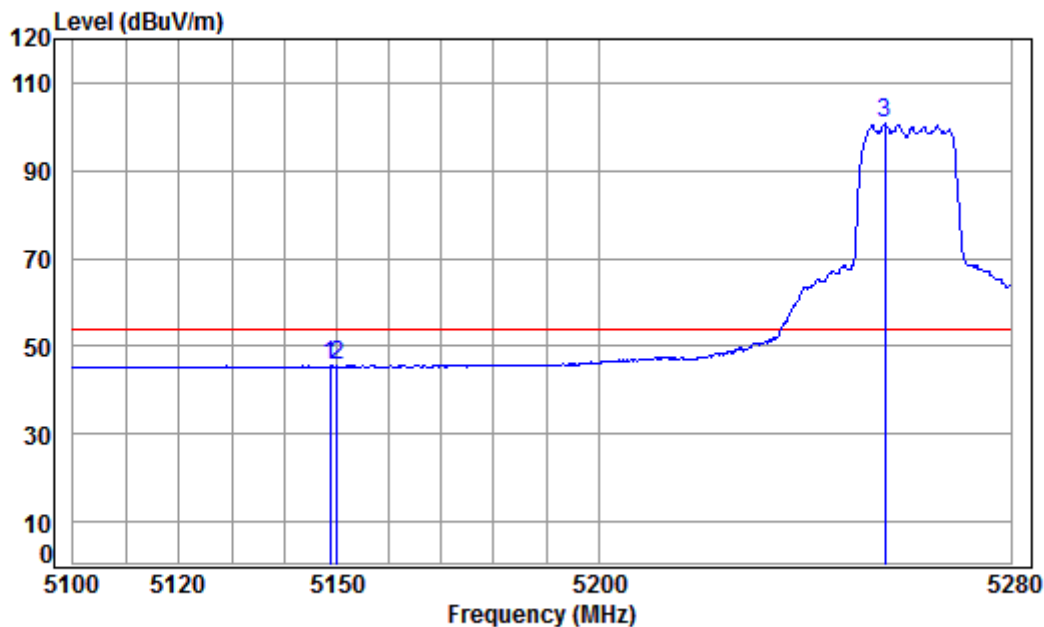
Mode : 5260 Band edge

: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5110.802	8.06	34.48	38.48	51.26	55.32	74.00	-18.68	Peak
2	5150.000	8.08	34.47	38.47	49.16	53.24	74.00	-20.76	Peak
3 pp	5267.927	8.14	34.45	38.45	102.96	107.10	74.00	33.10	Peak



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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

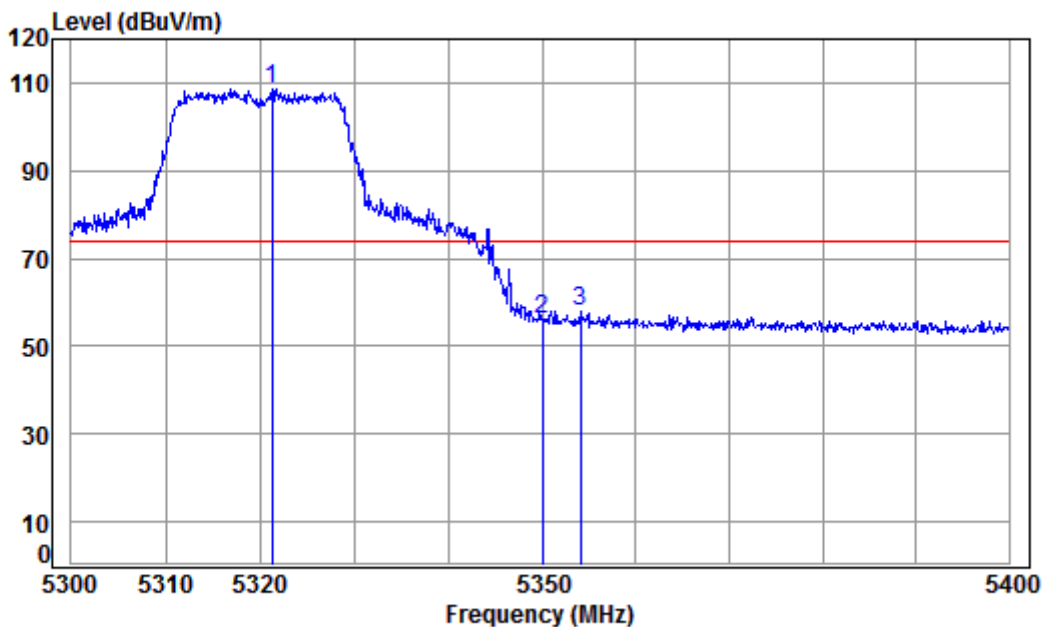
Mode : 5260 Band edge

: 5G WIFI 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.701	8.08	34.47	38.47	41.35	45.43	54.00	-8.57 Average
2	5150.000	8.08	34.47	38.47	41.33	45.41	54.00	-8.59 Average
3 pp	5255.516	8.13	34.45	38.45	96.57	100.70	54.00	46.70 Average



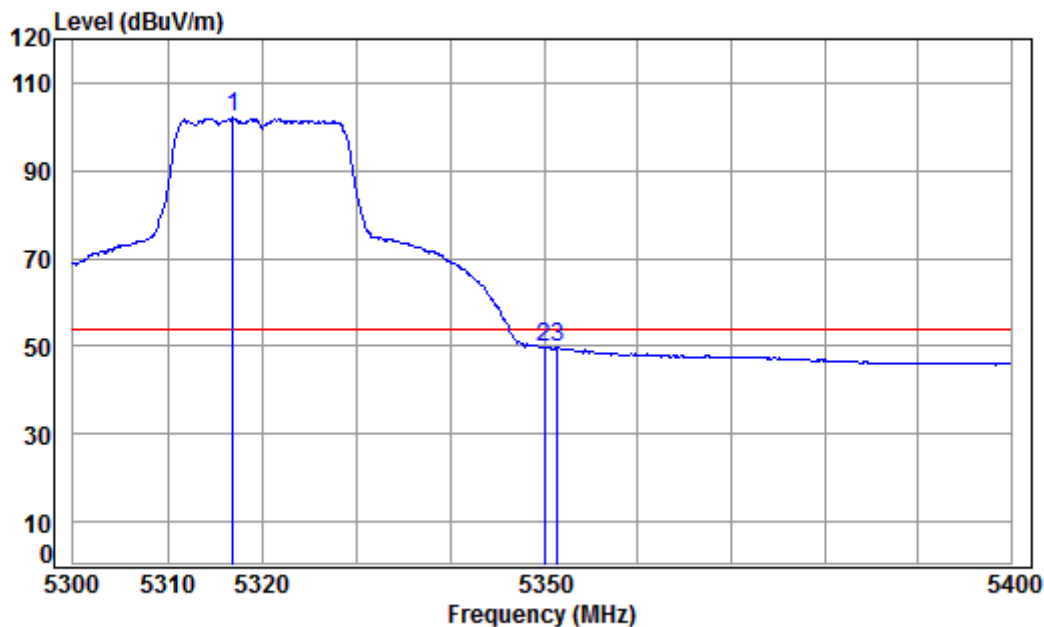
Mode:f; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL  
Job No : 05891CR\05892CR  
Mode : 5320 Band edge  
: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5321.243	8.16	34.43	38.44	104.51	108.66	74.00	34.66	peak
2	5350.000	8.18	34.43	38.43	51.92	56.10	74.00	-17.90	peak
3	5354.068	8.18	34.43	38.43	53.97	58.15	74.00	-15.85	peak

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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

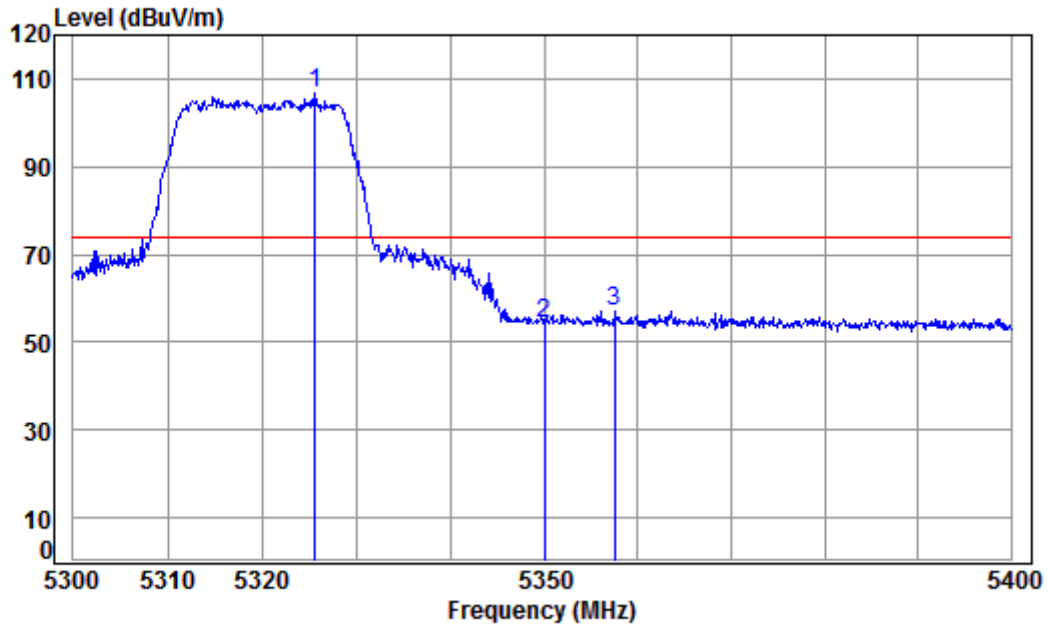
Mode : 5320 Band edge

: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5316.968	8.16	34.44	38.44	97.84	102.00	54.00	48.00	Average
2	5350.000	8.18	34.43	38.43	45.60	49.78	54.00	-4.22	Average
3	5351.467	8.18	34.43	38.43	45.43	49.61	54.00	-4.39	Average



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



Condition: 3m VERTICAL

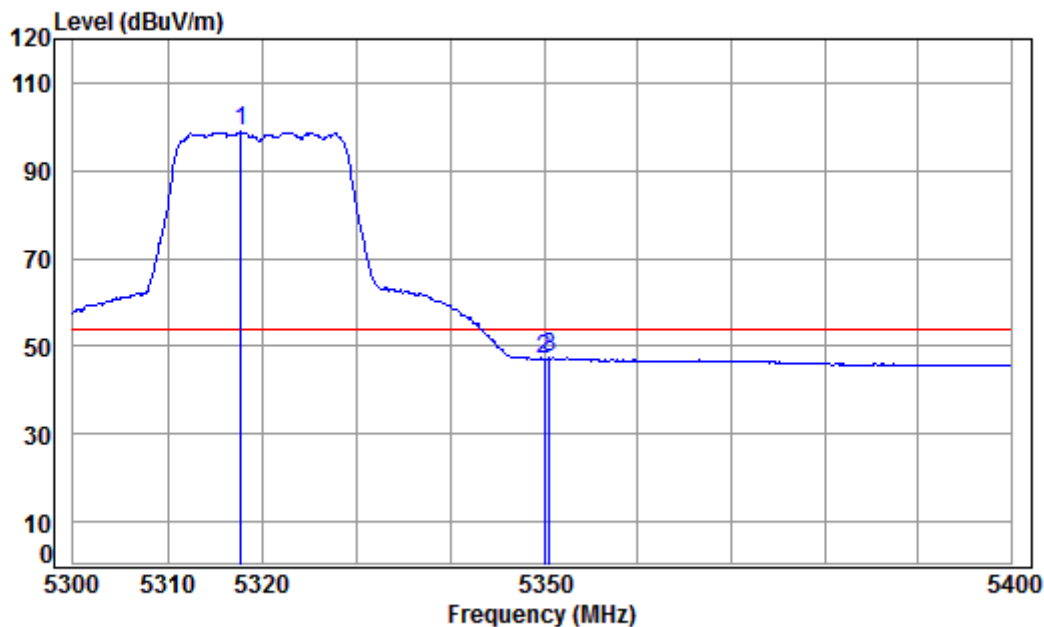
Job No : 05891CR\05892CR

Mode : 5320 Band edge

: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5325.622	8.17	34.43	38.43	102.68	106.85	74.00	32.85	Peak
2	5350.000	8.18	34.43	38.43	50.31	54.49	74.00	-19.51	Peak
3	5357.472	8.18	34.43	38.43	53.02	57.20	74.00	-16.80	Peak

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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

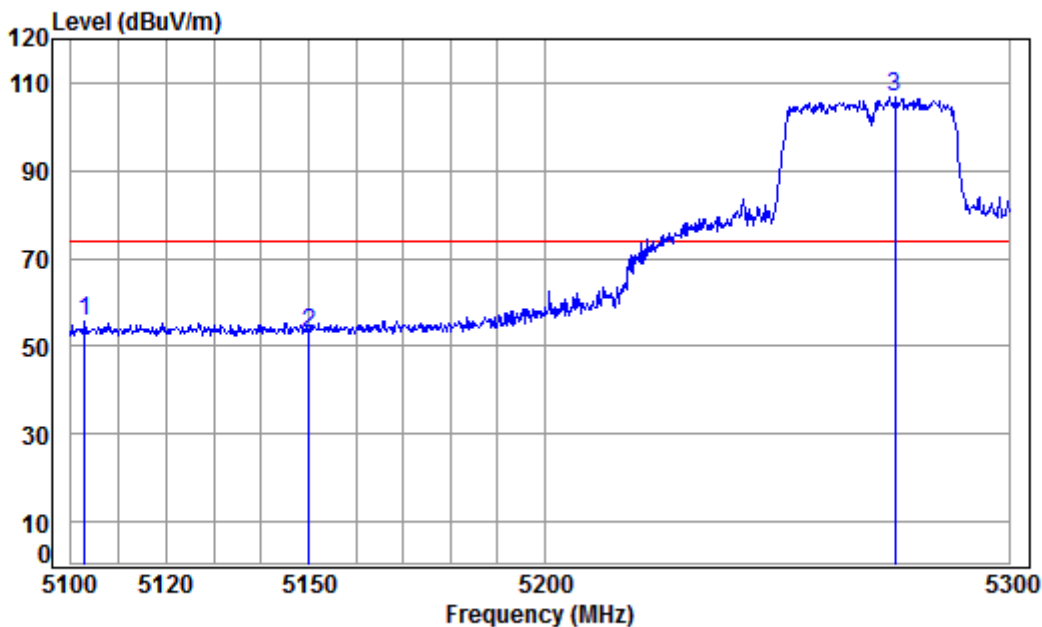
Mode : 5320 Band edge

: 5G WIFI 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5317.763	8.16	34.44	38.44	94.67	98.83	54.00	44.83	Average
2	5350.000	8.18	34.43	38.43	43.01	47.19	54.00	-6.81	Average
3	5350.566	8.18	34.43	38.43	43.11	47.29	54.00	-6.71	Average



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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

Mode : 5270 Band edge

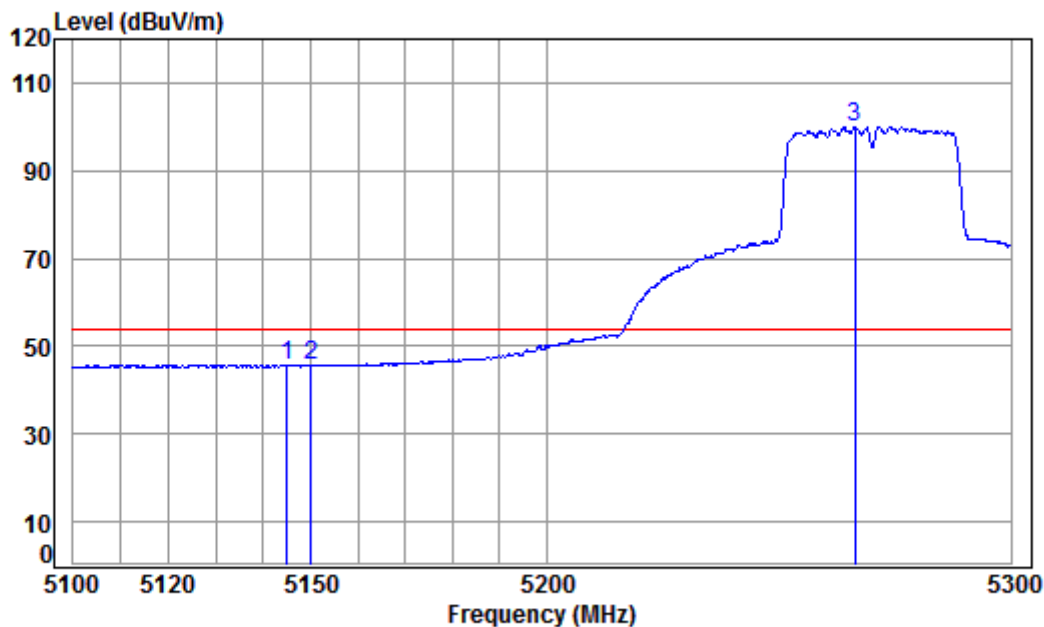
: 5G WIFI 11N40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5102.943	8.05	34.48	38.48	51.50	55.55	74.00	-18.45	peak
2	5150.000	8.08	34.47	38.47	48.68	52.76	74.00	-21.24	peak
3 pp	5275.186	8.14	34.44	38.44	102.82	106.96	74.00	32.96	peak





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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

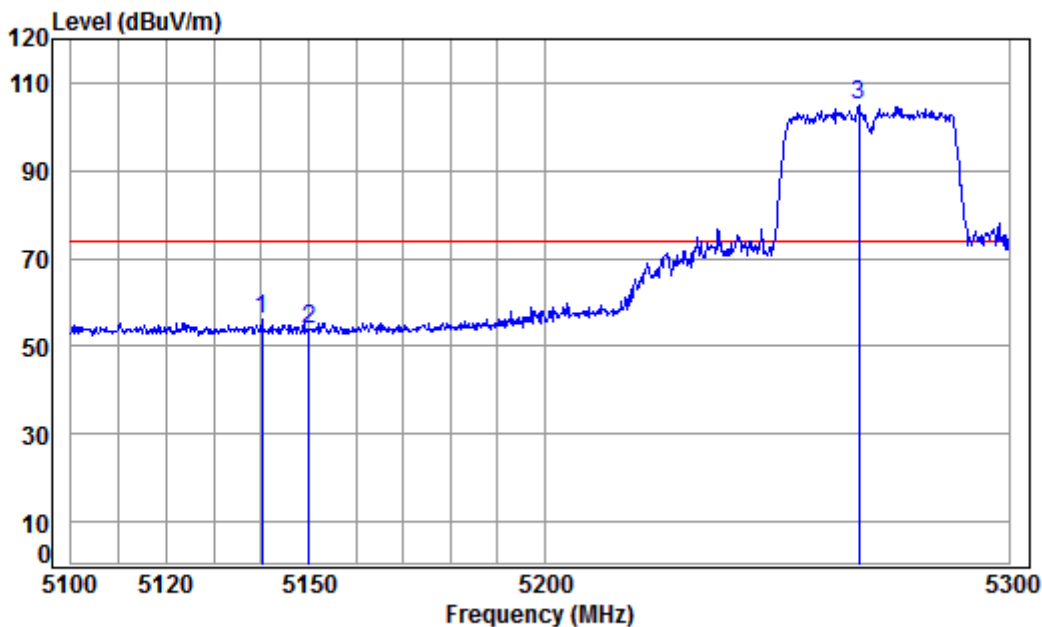
Mode : 5270 Band edge

: 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5144.925	8.07	34.47	38.47	41.61	45.68	54.00	-8.32 Average
2	5150.000	8.08	34.47	38.47	41.46	45.54	54.00	-8.46 Average
3 pp	5266.265	8.14	34.45	38.45	95.84	99.98	54.00	45.98 Average



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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

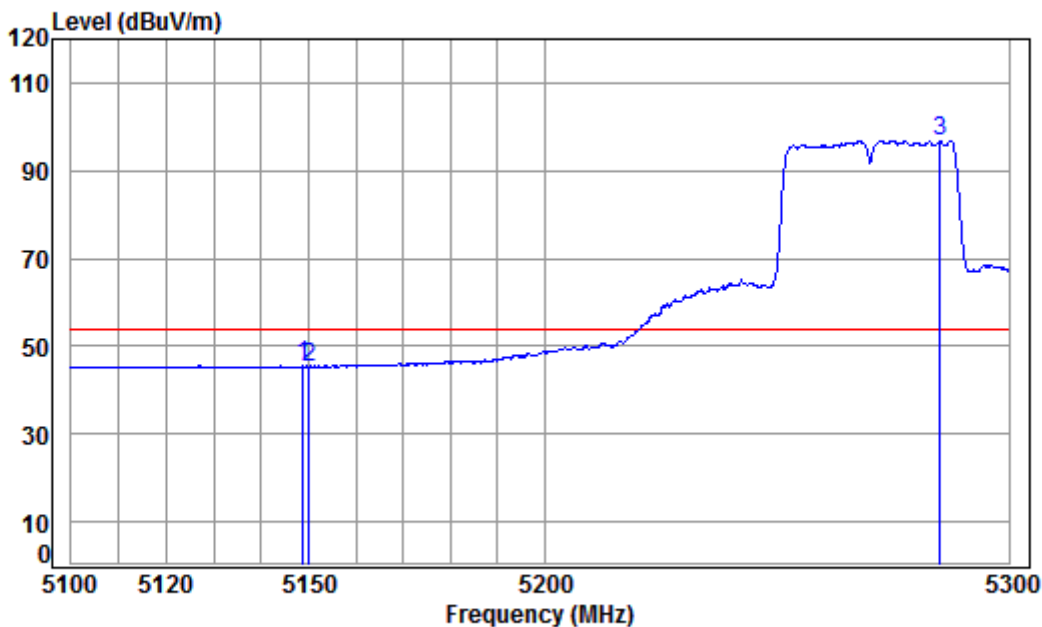
Mode : 5270 Band edge

: 5G WIFI 11N40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5140.178	8.07	34.47	38.47	51.88	55.95	74.00	-18.05	Peak
2	5150.000	8.08	34.47	38.47	49.58	53.66	74.00	-20.34	Peak
3 pp	5267.481	8.14	34.45	38.45	100.87	105.01	74.00	31.01	Peak



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



Condition: 3m VERTICAL

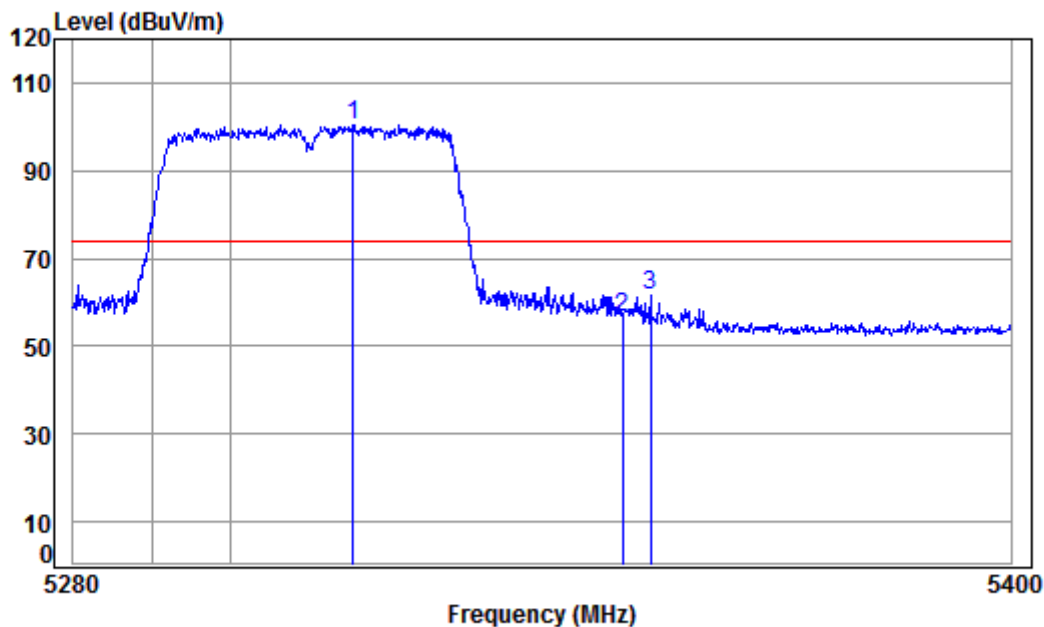
Job No : 05891CR\05892CR

Mode : 5270 Band edge

: 5G WIFI 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.687	8.08	34.47	38.47	41.43	45.51	54.00	-8.49 Average
2	5150.000	8.08	34.47	38.47	41.21	45.29	54.00	-8.71 Average
3 pp	5285.138	8.15	34.44	38.44	92.80	96.95	54.00	42.95 Average

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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

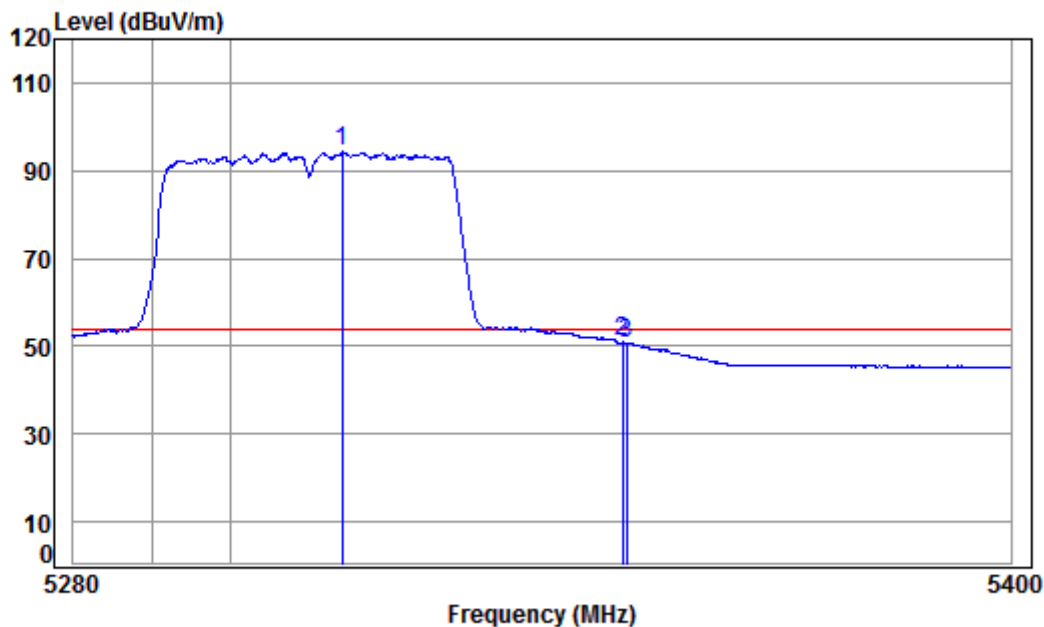
Mode : 5310 Band edge

: 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 5315.598	8.16	34.44	38.44	96.35	100.51	74.00	26.51	peak
2	5350.000	8.18	34.43	38.43	52.19	56.37	74.00	-17.63	peak
3	5353.601	8.18	34.43	38.43	57.21	61.39	74.00	-12.61	peak



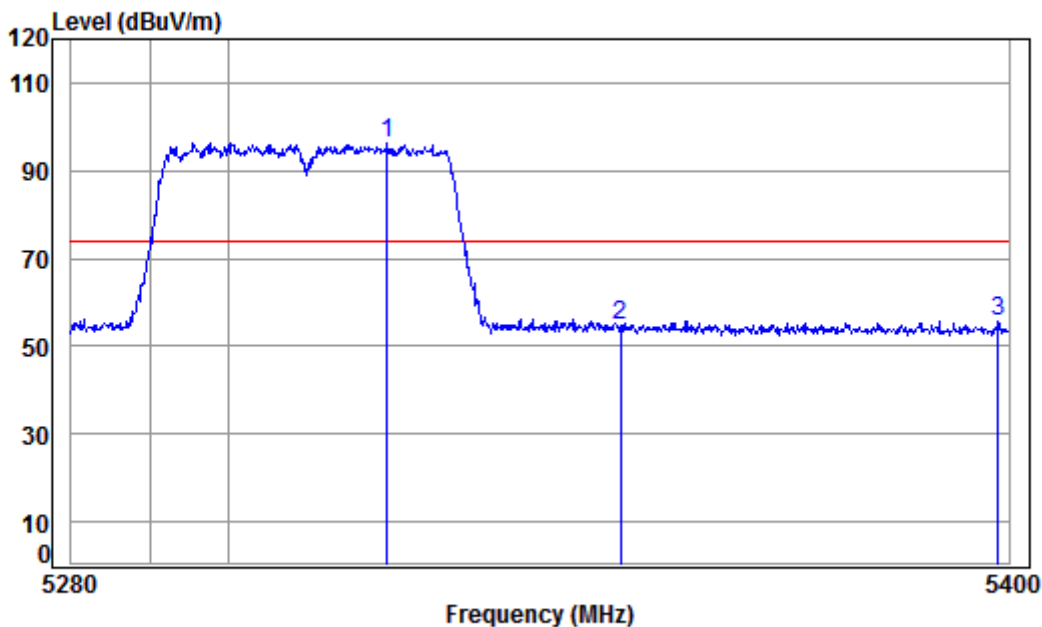
Mode:f; Polarization:Horizontal; Modulation Type:802.11n; bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL  
Job No : 05891CR\05892CR  
Mode : 5310 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	5314.165	8.16	34.44	38.44	90.12	94.28	54.00	40.28	Average
2	5350.000	8.18	34.43	38.43	46.70	50.88	54.00	-3.12	Average
3	5350.474	8.18	34.43	38.43	46.59	50.77	54.00	-3.23	Average

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



Condition: 3m VERTICAL

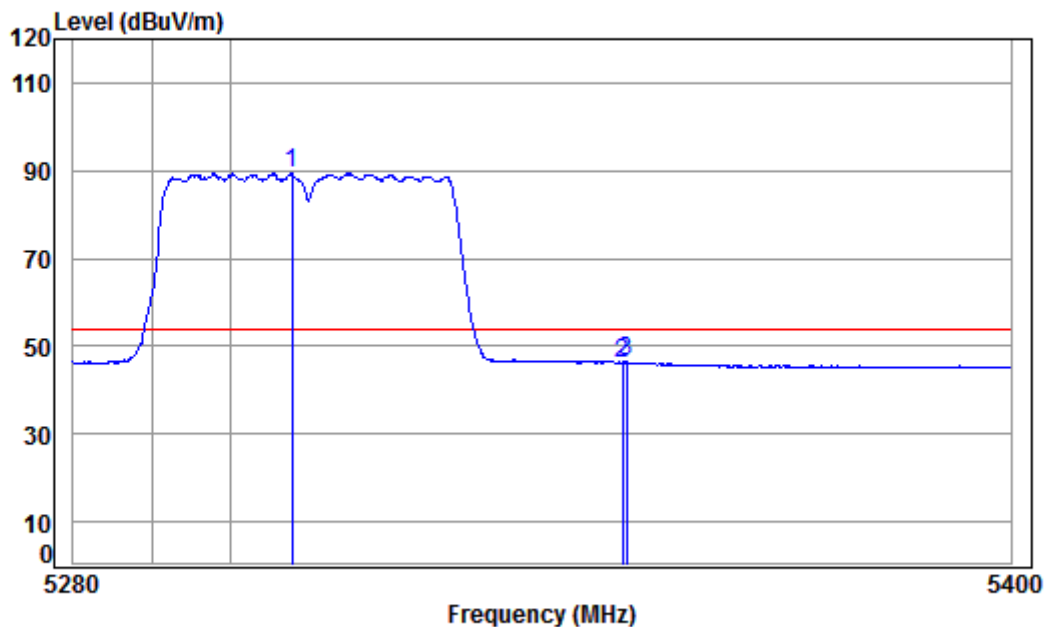
Job No : 05891CR\05892CR

Mode : 5310 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 5320.139	8.16	34.43	38.44	92.33	96.48	74.00	22.48	Peak
2	5350.000	8.18	34.43	38.43	50.43	54.61	74.00	-19.39	Peak
3	5398.544	8.20	34.42	38.42	51.52	55.72	74.00	-18.28	Peak

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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

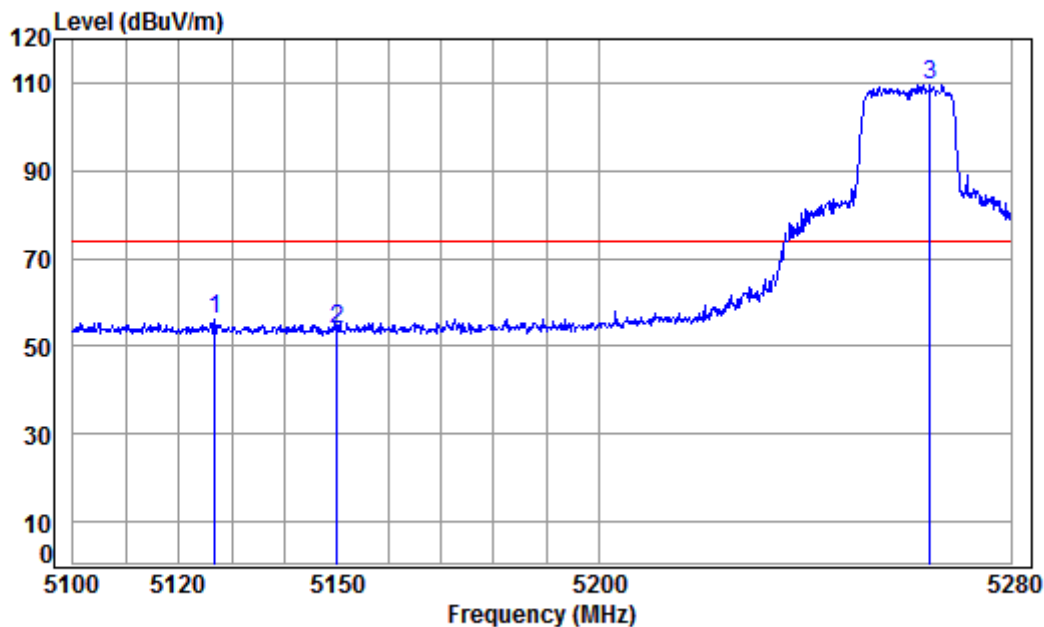
Mode : 5310 Band edge

: 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 5307.839	8.16	34.44	38.44	85.22	89.38	54.00	35.38	Average
2	5350.000	8.18	34.43	38.43	42.06	46.24	54.00	-7.76	Average
3	5350.474	8.18	34.43	38.43	42.16	46.34	54.00	-7.66	Average



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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

Mode : 5260 Band edge

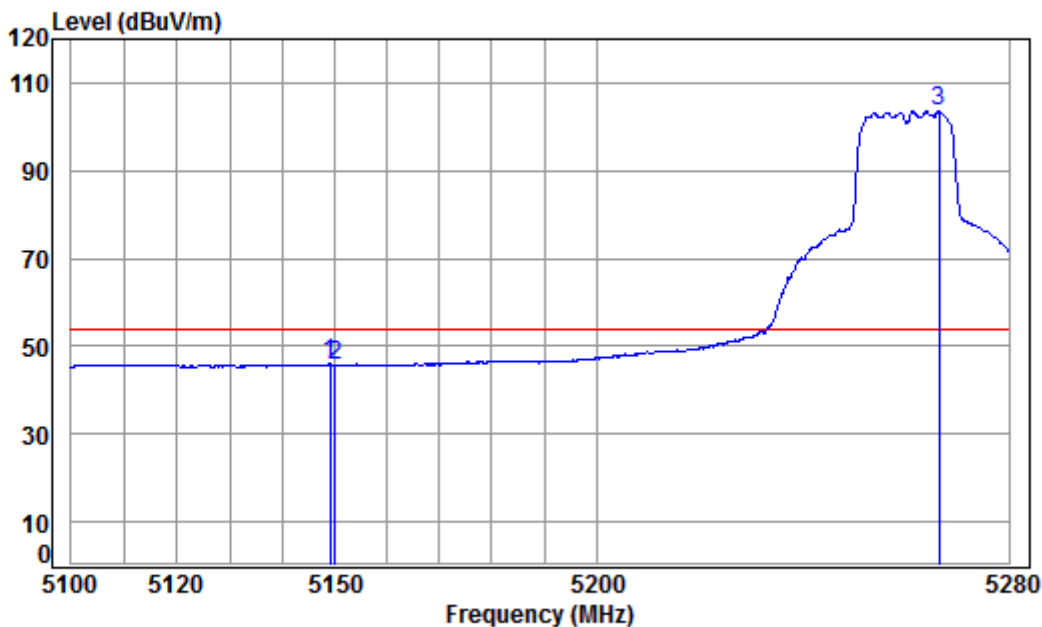
: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5126.781	8.07	34.47	38.47	52.26	56.33	74.00	-17.67	peak
2	5150.000	8.08	34.47	38.47	49.75	53.83	74.00	-20.17	peak
3 pp	5264.273	8.14	34.45	38.45	105.58	109.72	74.00	35.72	peak





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

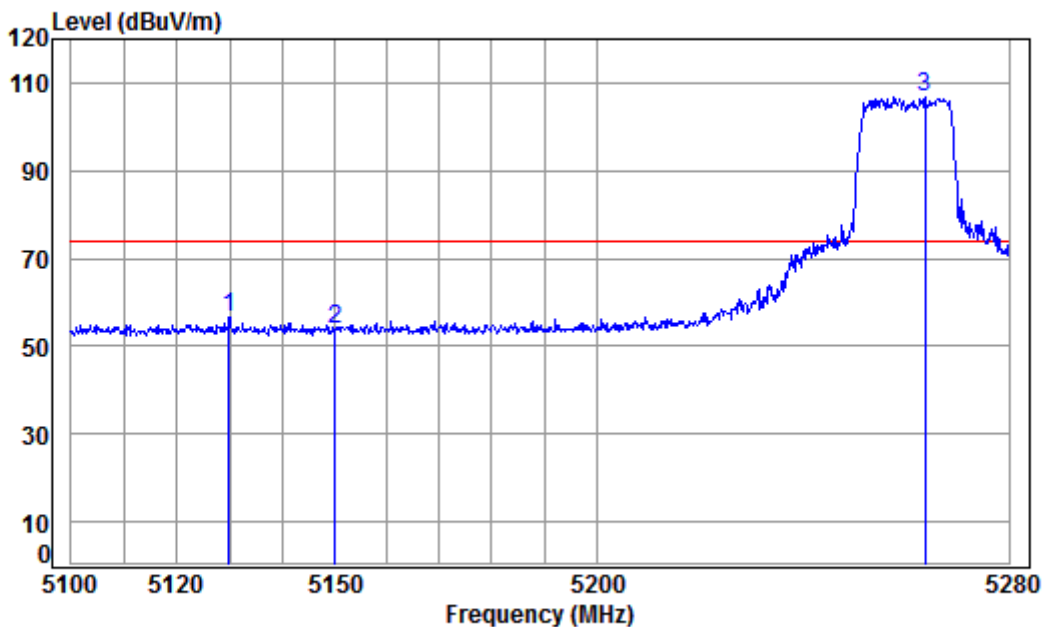


Condition: 3m HORIZONTAL  
Job No : 05891CR\05892CR  
Mode : 5260 Band edge  
: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.058	8.08	34.47	38.47	41.84	45.92	54.00	-8.08	Average
2	5150.000	8.08	34.47	38.47	41.63	45.71	54.00	-8.29	Average
3 pp	5266.465	8.14	34.45	38.45	99.57	103.71	54.00	49.71	Average



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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

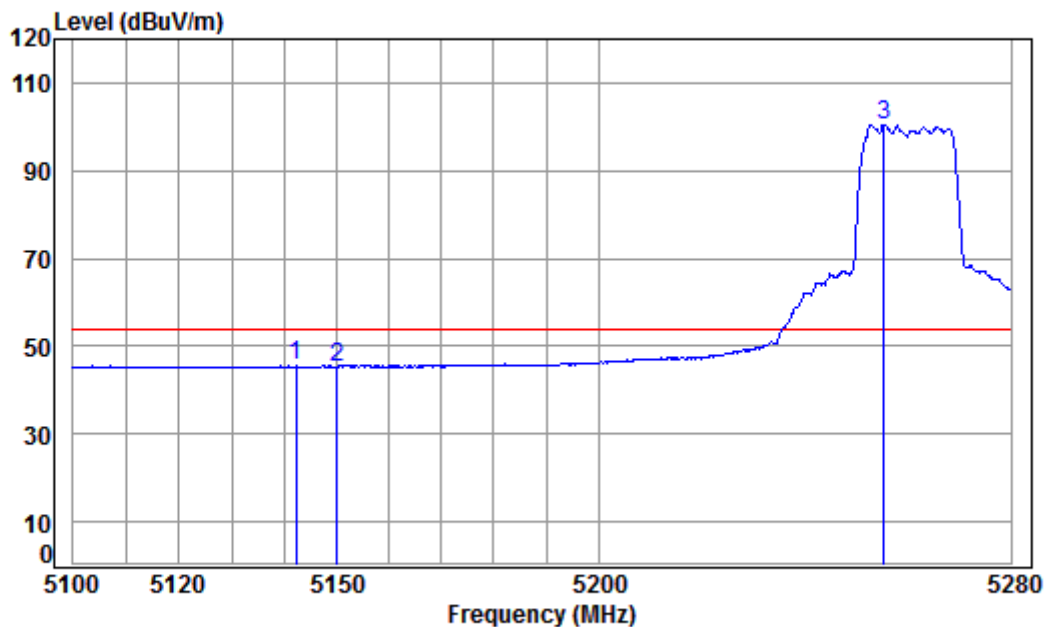
Mode : 5260 Band edge

: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5129.805	8.07	34.47	38.47	52.69	56.76	74.00	-17.24	Peak
2	5150.000	8.08	34.47	38.47	49.98	54.06	74.00	-19.94	Peak
3 pp	5263.726	8.13	34.45	38.45	102.63	106.76	74.00	32.76	Peak



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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

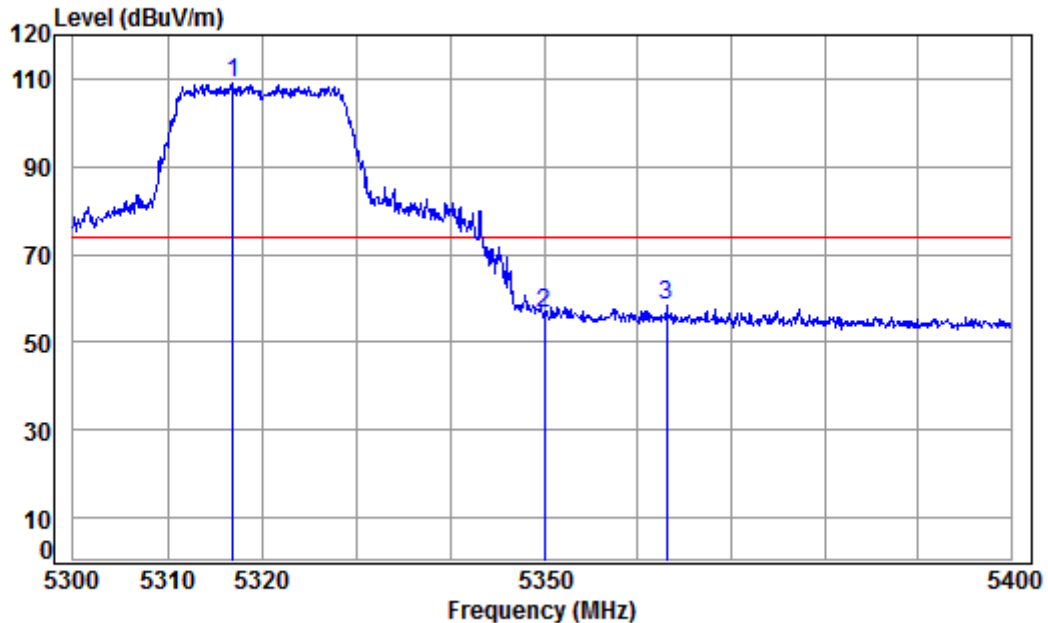
Mode : 5260 Band edge

: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5142.275	8.07	34.47	38.47	41.39	45.46	54.00	-8.54	Average
2	5150.000	8.08	34.47	38.47	41.31	45.39	54.00	-8.61	Average
3 pp	5255.334	8.13	34.45	38.45	96.27	100.40	54.00	46.40	Average



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



Condition: 3m HORIZONTAL

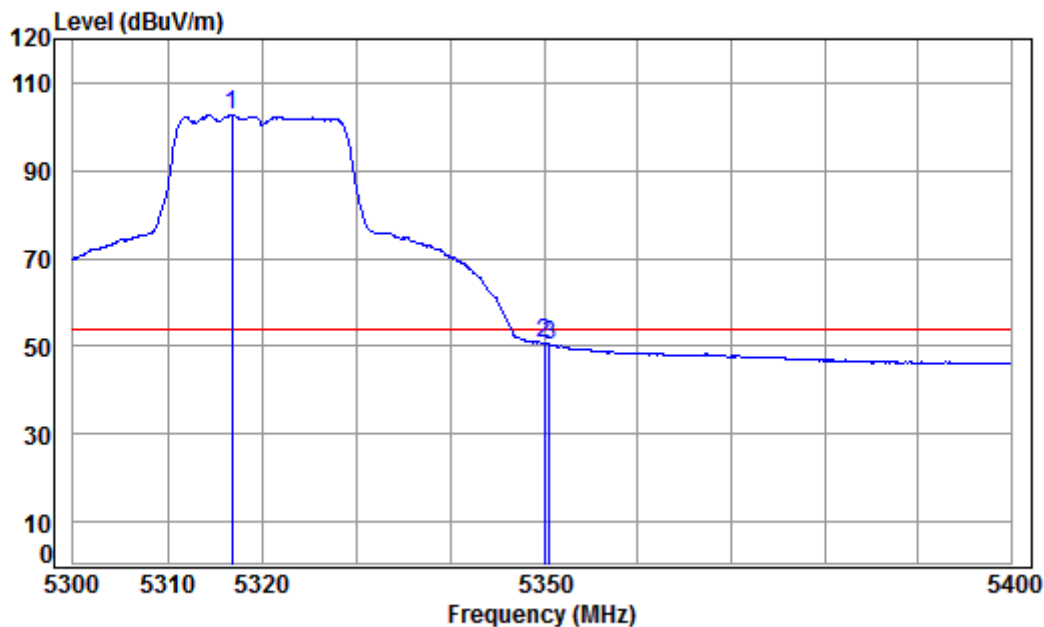
Job No : 05891CR\05892CR

Mode : 5320 Band edge

: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5316.968	8.16	34.44	38.44	104.79	108.95	74.00	34.95	peak
2	5350.000	8.18	34.43	38.43	52.37	56.55	74.00	-17.45	peak
3	5363.083	8.18	34.43	38.43	54.01	58.19	74.00	-15.81	peak

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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

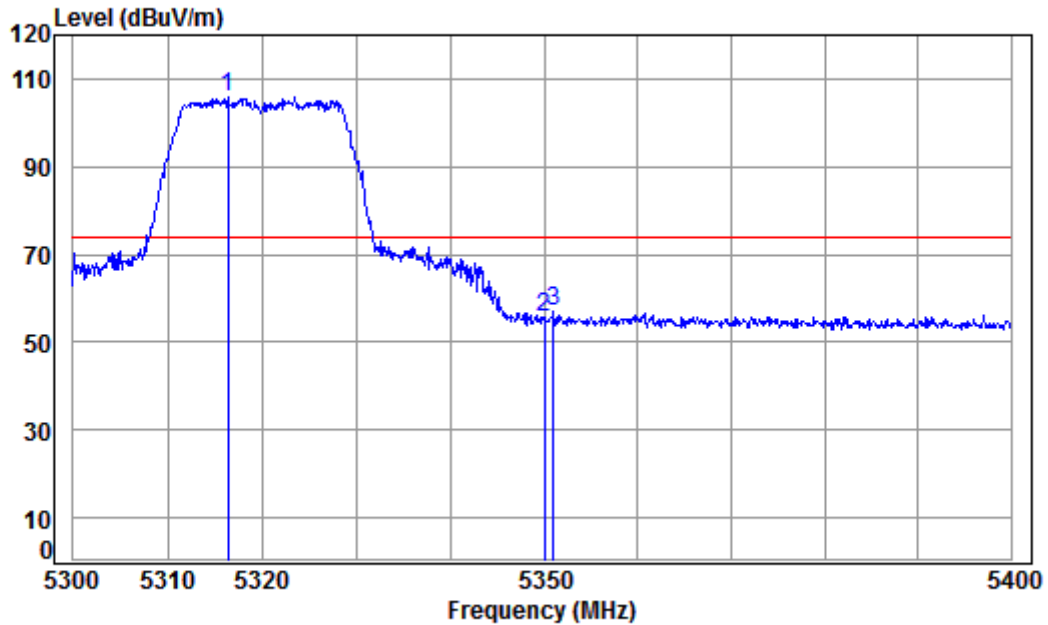
Mode : 5320 Band edge

: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5316.769	8.16	34.44	38.44	98.60	102.76	54.00	48.76	Average
2	5350.000	8.18	34.43	38.43	46.27	50.45	54.00	-3.55	Average
3	5350.566	8.18	34.43	38.43	46.19	50.37	54.00	-3.63	Average



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



Condition: 3m VERTICAL

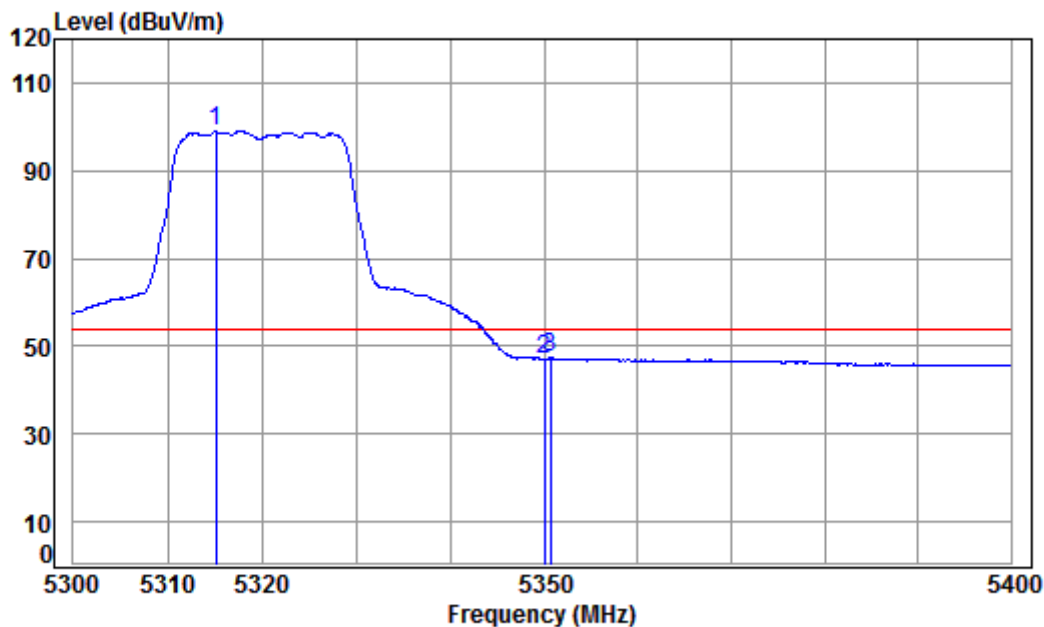
Job No : 05891CR\05892CR

Mode : 5320 Band edge

: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5316.372	8.16	34.44	38.44	101.91	106.07	74.00	32.07	Peak
2	5350.000	8.18	34.43	38.43	51.67	55.85	74.00	-18.15	Peak
3	5350.966	8.18	34.43	38.43	52.65	56.83	74.00	-17.17	Peak

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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

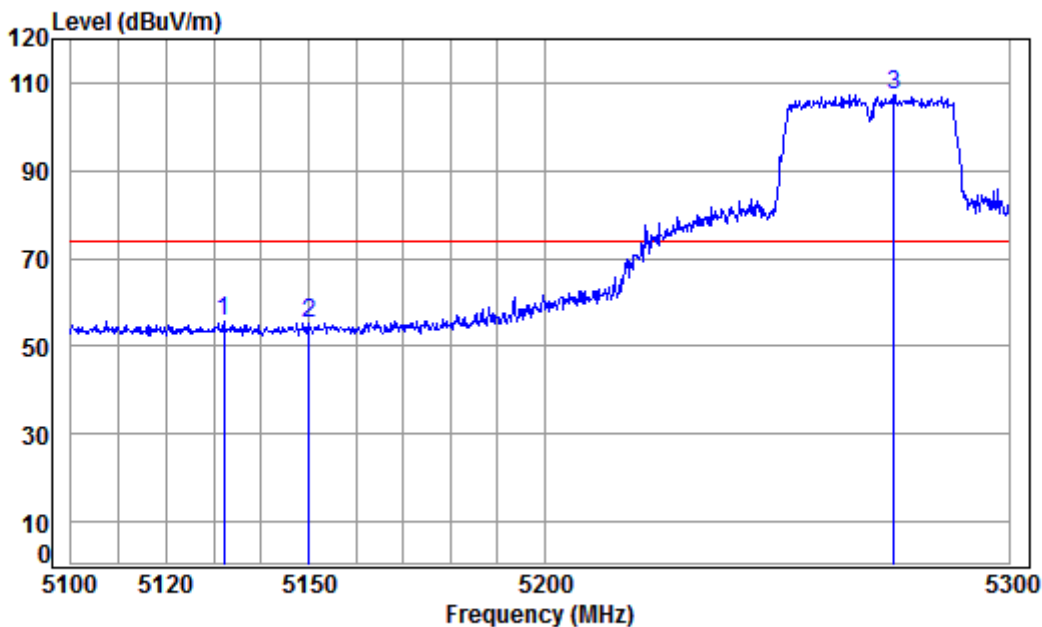
Mode : 5320 Band edge

: 5G WIFI 11AC20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5315.080	8.16	34.44	38.44	94.76	98.92	54.00	44.92	Average
2	5350.000	8.18	34.43	38.43	42.94	47.12	54.00	-6.88	Average
3	5350.667	8.18	34.43	38.43	43.10	47.28	54.00	-6.72	Average



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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

Mode : 5270 Band edge

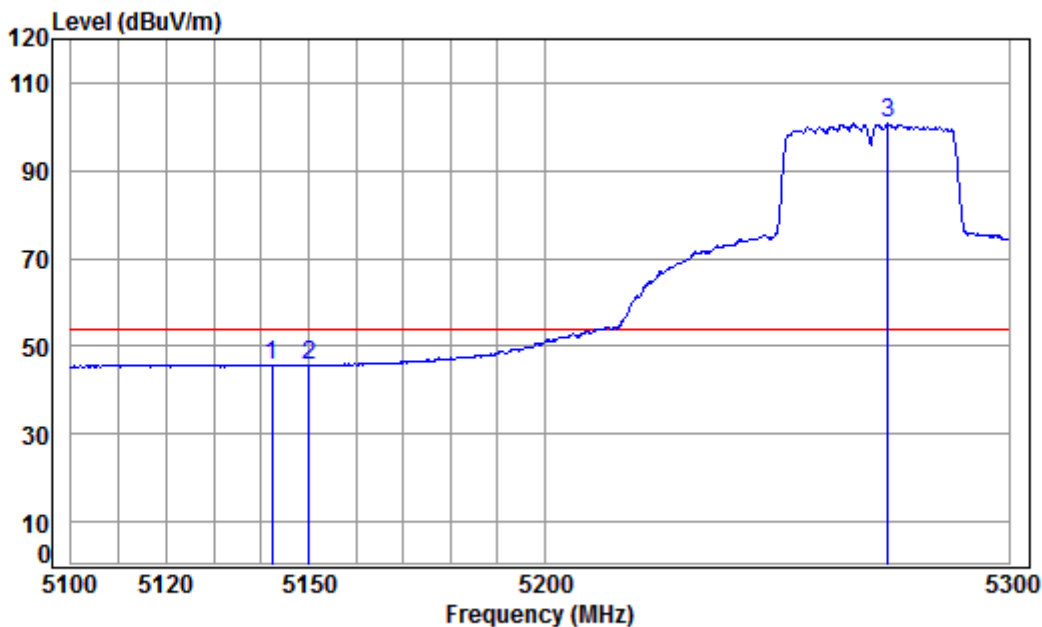
: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5132.078	8.07	34.47	38.47	51.82	55.89	74.00	-18.11	peak
2	5150.000	8.08	34.47	38.47	51.29	55.37	74.00	-18.63	peak
3 pp	5274.983	8.14	34.44	38.45	103.01	107.14	74.00	33.14	peak





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

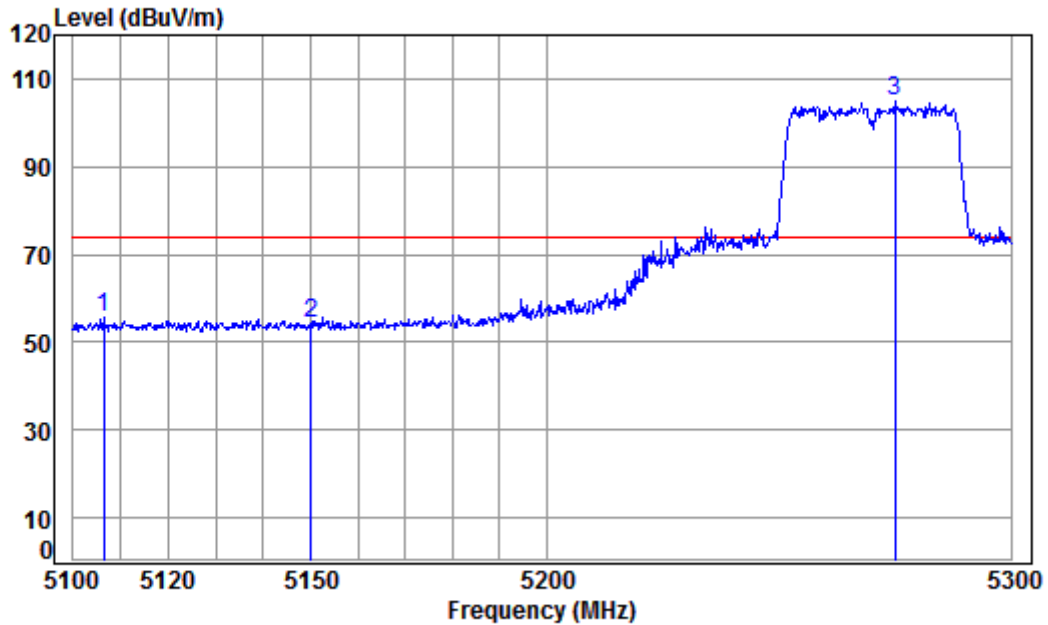


Condition: 3m HORIZONTAL  
Job No : 05891CR\05892CR  
Mode : 5270 Band edge  
: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5142.155	8.07	34.47	38.47	41.64	45.71	54.00	-8.29	Average
2	5150.000	8.08	34.47	38.47	41.61	45.69	54.00	-8.31	Average
3 pp	5273.766	8.14	34.44	38.45	96.52	100.65	54.00	46.65	Average



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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

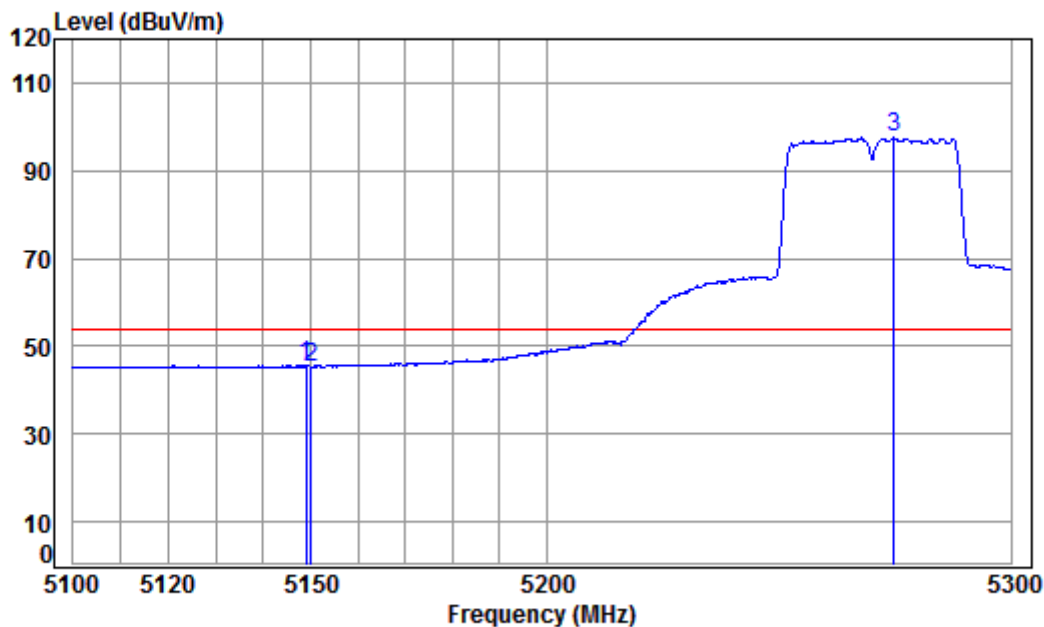
Mode : 5270 Band edge

: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5106.478	8.06	34.48	38.48	51.68	55.74	74.00	-18.26	Peak
2	5150.000	8.08	34.47	38.47	50.02	54.10	74.00	-19.90	Peak
3 pp	5274.780	8.14	34.44	38.45	101.04	105.17	74.00	31.17	Peak



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



Condition: 3m VERTICAL

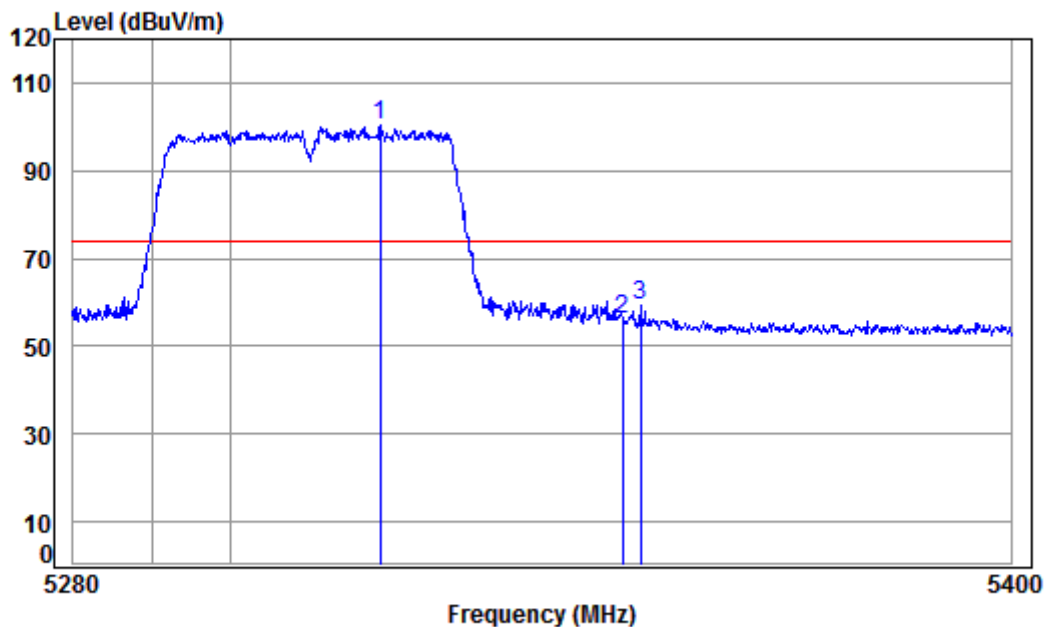
Job No : 05891CR\05892CR

Mode : 5270 Band edge

: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.083	8.08	34.47	38.47	41.40	45.48	54.00	-8.52	Average
2	5150.000	8.08	34.47	38.47	41.26	45.34	54.00	-8.66	Average
3 pp	5274.577	8.14	34.44	38.45	93.32	97.45	54.00	43.45	Average

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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

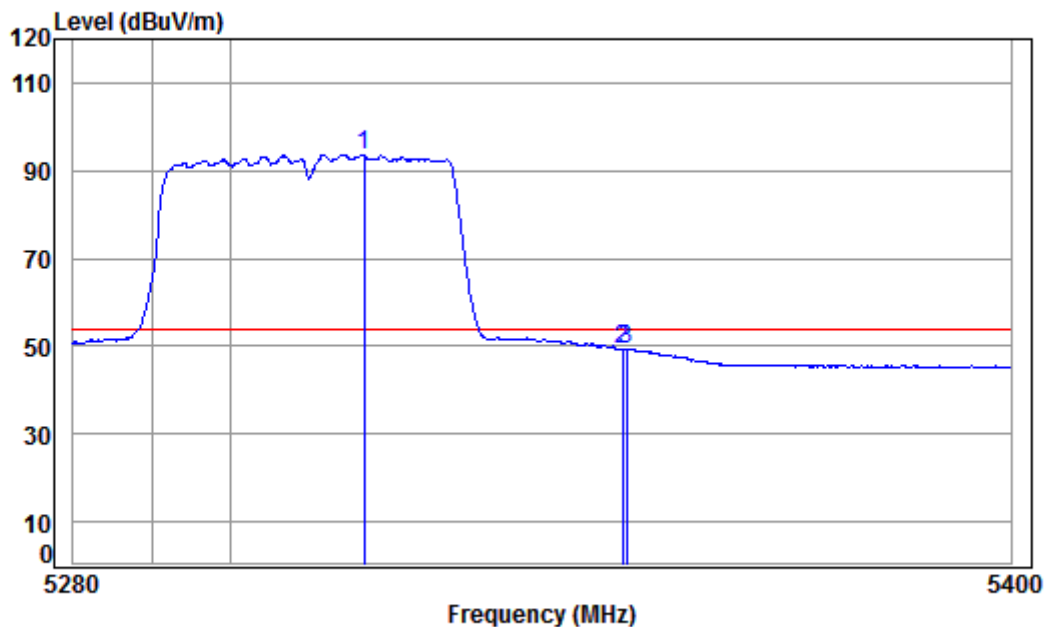
Mode : 5310 Band edge

: 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 5319.063	8.16	34.44	38.44	96.06	100.22	74.00	26.22	peak
2	5350.000	8.18	34.43	38.43	51.75	55.93	74.00	-18.07	peak
3	5352.277	8.18	34.43	38.43	55.26	59.44	74.00	-14.56	peak



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



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

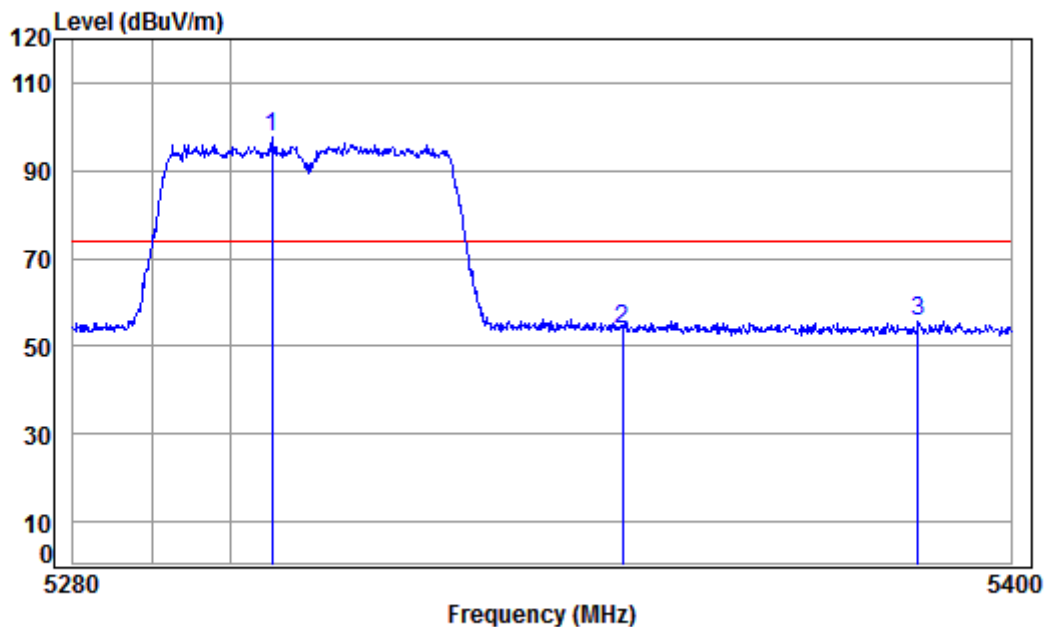
Mode : 5310 Band edge

: 5G WIFI 11AC40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp 5316.912	8.16	34.44	38.44	89.56	93.72	54.00	39.72 Average
2	5350.000	8.18	34.43	38.43	45.18	49.36	54.00	-4.64 Average
3	5350.474	8.18	34.43	38.43	45.21	49.39	54.00	-4.61 Average



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



Condition: 3m VERTICAL

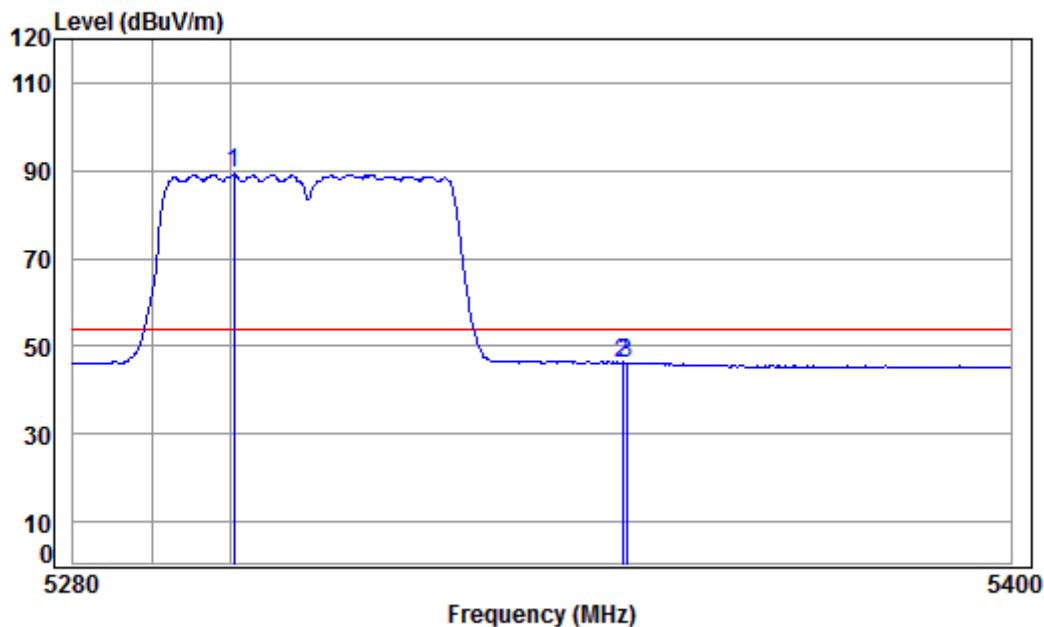
Job No : 05891CR\05892CR

Mode : 5310 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 5305.215	8.16	34.44	38.44	93.44	97.60	74.00	23.60	Peak
2	5350.000	8.18	34.43	38.43	49.78	53.96	74.00	-20.04	Peak
3	5388.000	8.20	34.42	38.42	51.47	55.67	74.00	-18.33	Peak

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



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

Mode : 5310 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 5300.448	8.15	34.44	38.44	85.06	89.21	54.00	35.21	Average
2	5350.000	8.18	34.43	38.43	42.05	46.23	54.00	-7.77	Average
3	5350.474	8.18	34.43	38.43	42.09	46.27	54.00	-7.73	Average

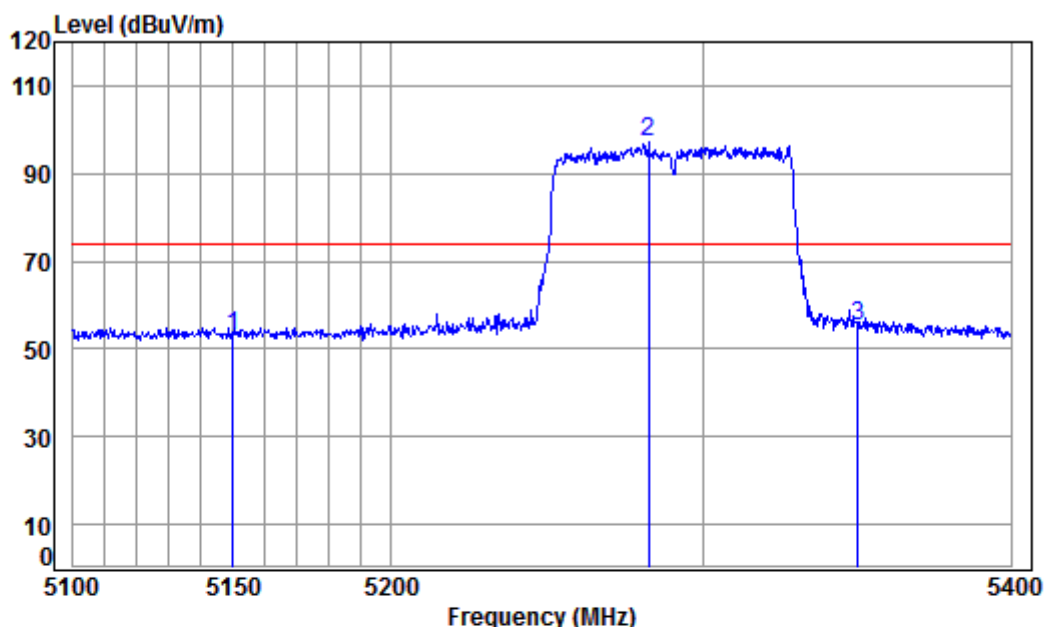


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Mode:f; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:80MHz; Channel:Middle



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

Mode : 5290 Band edge

: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5150.092	8.08	34.47	38.47	48.87	52.95	74.00	-21.05	peak
2	pp 5282.164	8.14	34.44	38.44	92.90	97.04	74.00	23.04	peak
3	5350.000	8.18	34.43	38.43	51.22	55.40	74.00	-18.60	peak



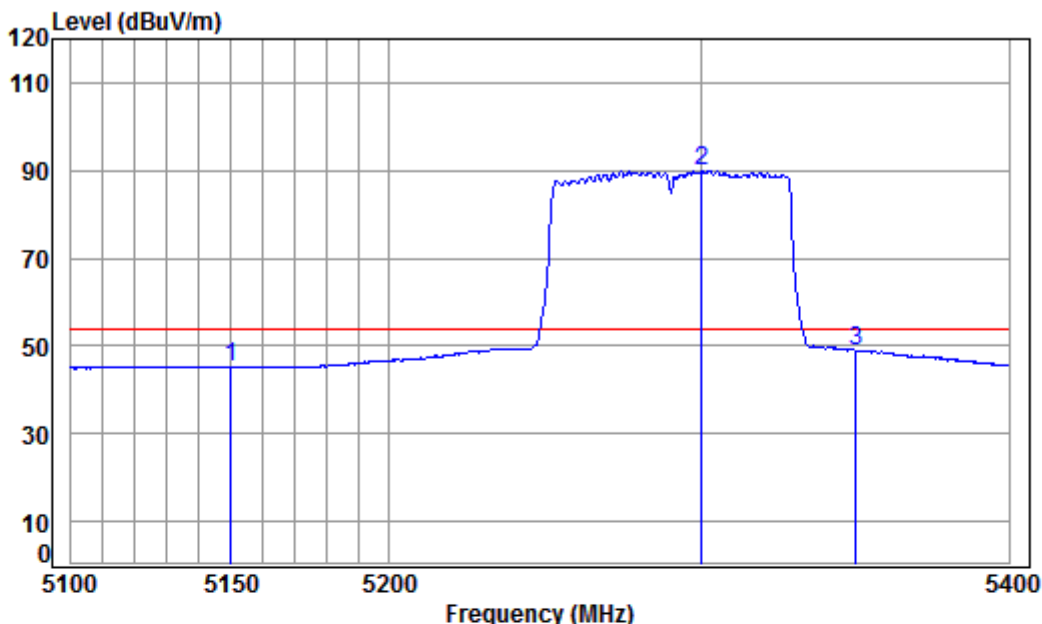


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Mode:f; Polarization:Horizontal; Modulation Type:802.11ac; bandwidth:80MHz; Channel:Middle



Condition: 3m HORIZONTAL

Job No : 05891CR\05892CR

Mode : 5290 Band edge

: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5150.092	8.08	34.47	38.47	41.11	45.19	54.00	-8.81 Average
2	pp 5299.704	8.15	34.44	38.44	85.81	89.96	54.00	35.96 Average
3	5350.000	8.18	34.43	38.43	44.55	48.73	54.00	-5.27 Average

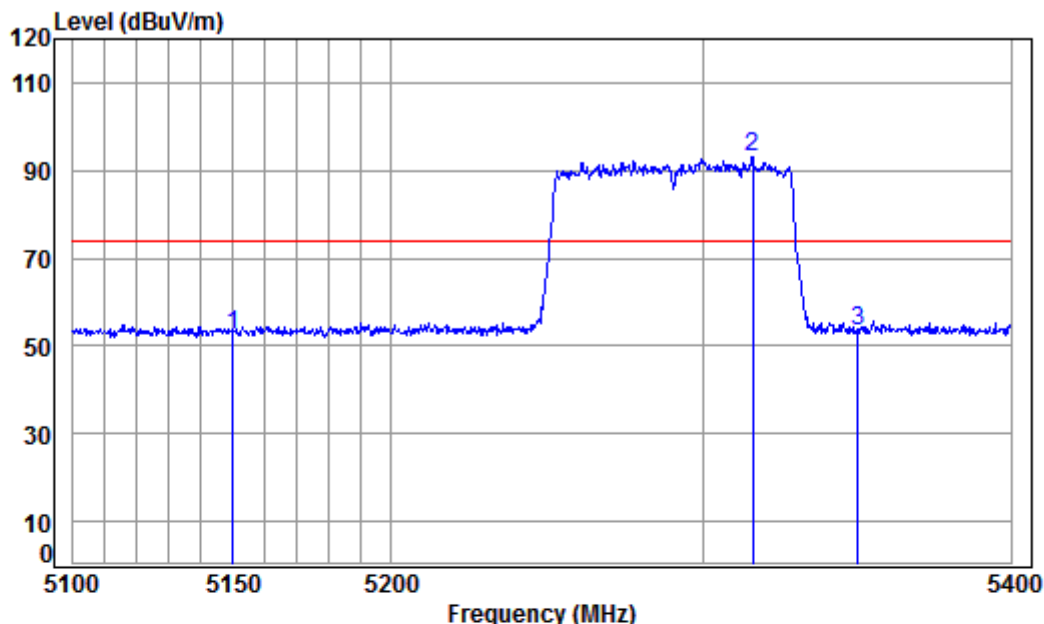


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Mode:f; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:80MHz; Channel:Middle



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

Mode : 5290 Band edge

: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5150.092	8.08	34.47	38.47	48.38	52.46	74.00	-21.54 Peak
2	pp 5315.783	8.16	34.44	38.44	88.89	93.05	74.00	19.05 Peak
3	5350.000	8.18	34.43	38.43	49.03	53.21	74.00	-20.79 Peak

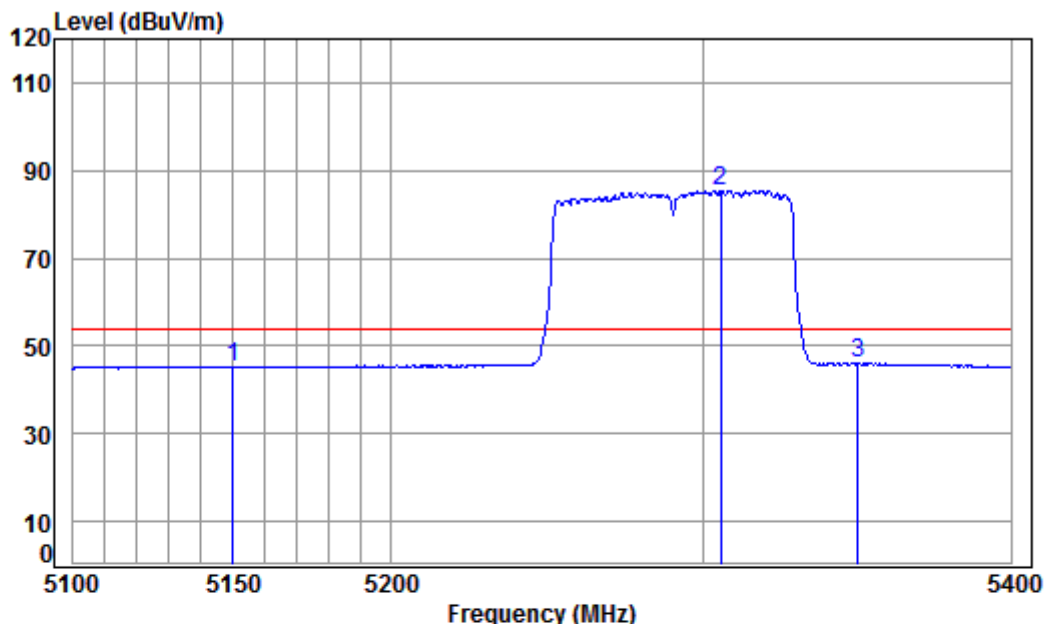


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Mode:f; Polarization:Vertical; Modulation Type:802.11ac; bandwidth:80MHz; Channel:Middle



Condition: 3m VERTICAL

Job No : 05891CR\05892CR

Mode : 5290 Band edge

: 5G WIFI 11AC80

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5150.092	8.08	34.47	38.47	41.00	45.08	54.00	-8.92 Average
2	pp 5305.463	8.16	34.44	38.44	81.34	85.50	54.00	31.50 Average
3	5350.000	8.18	34.43	38.43	41.73	45.91	54.00	-8.09 Average



## 7.12 Frequency Stability

Test Requirement	47 CFR Part 15, Subpart E 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.

### 7.12.1 E.U.T. Operation

Operating Environment:

Temperature: 25 °C      Humidity: 55 % RH      Atmospheric Pressure: 1005 mbar

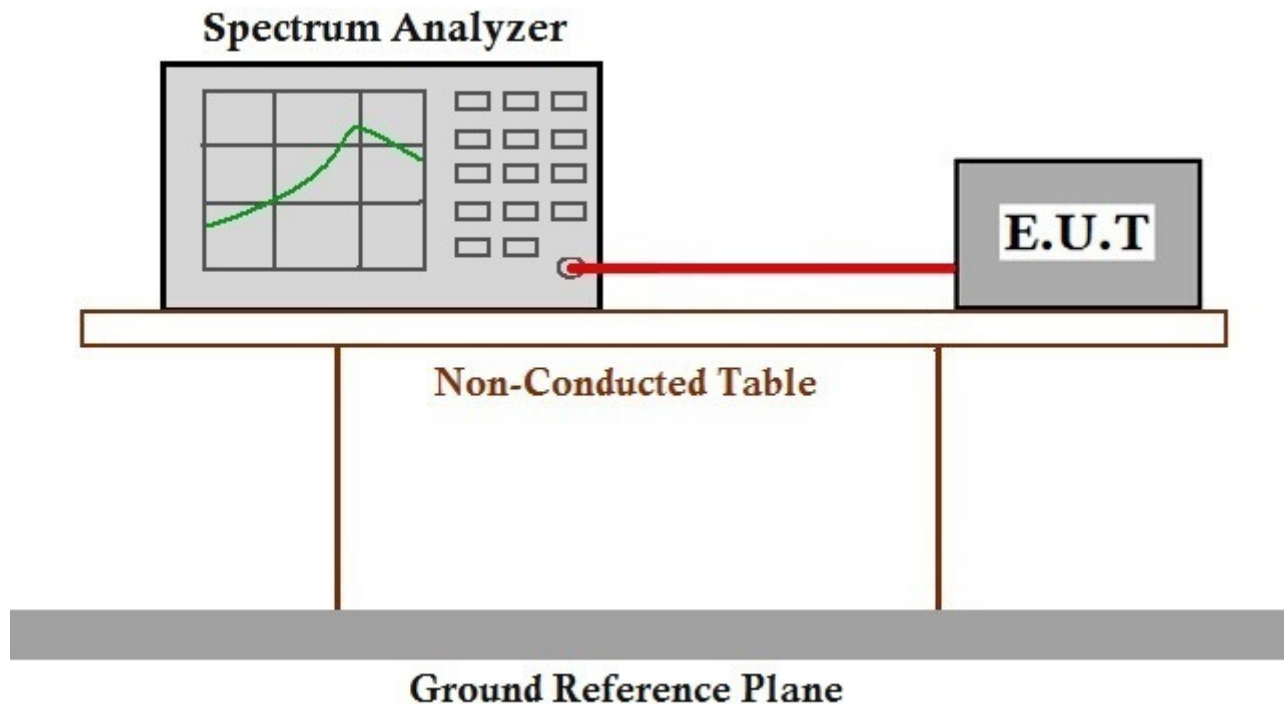
Test mode: e:TX mode (Band 1)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 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.

h: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.

g:TX mode (Band 2C)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

f:TX mode (Band 2A)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

### 7.12.2 Test Setup Diagram



### 7.12.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.407



## 8 Appendix

### 8.1 Appendix 15.407

#### 1.Emission Bandwidth Measurement

Test Mode	Test Channel	Ant	EBW[MHz]	Limit[MHz]	Verdict
11A	5180	Ant1	21.900	---	PASS
11A	5180	Ant2	21.780	---	PASS
11A	5200	Ant1	21.840	---	PASS
11A	5200	Ant2	21.750	---	PASS
11A	5240	Ant1	18.990	---	PASS
11A	5240	Ant2	18.960	---	PASS
11A	5260	Ant1	18.930	---	PASS
11A	5260	Ant2	19.050	---	PASS
11A	5300	Ant1	21.810	---	PASS
11A	5300	Ant2	21.840	---	PASS
11A	5320	Ant1	21.840	---	PASS
11A	5320	Ant2	21.900	---	PASS
11A	5500	Ant1	21.840	---	PASS
11A	5500	Ant2	21.780	---	PASS
11A	5580	Ant1	18.930	---	PASS
11A	5580	Ant2	19.050	---	PASS
11A	5600	Ant1	21.840	---	PASS
11A	5600	Ant2	21.930	---	PASS
11A	5700	Ant1	21.870	---	PASS
11A	5700	Ant2	21.930	---	PASS
11A	5745	Ant1	16.380	$\geq 0.5$	PASS
11A	5745	Ant2	16.410	$\geq 0.5$	PASS
11A	5785	Ant1	16.410	$\geq 0.5$	PASS
11A	5785	Ant2	16.410	$\geq 0.5$	PASS
11A	5825	Ant1	16.410	$\geq 0.5$	PASS
11A	5825	Ant2	16.410	$\geq 0.5$	PASS
11N20	5180	Ant1	22.170	---	PASS
11N20	5180	Ant2	22.050	---	PASS



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11N20	5200	Ant1	22.110	---	PASS
11N20	5200	Ant2	21.930	---	PASS
11N20	5240	Ant1	19.410	---	PASS
11N20	5240	Ant2	19.170	---	PASS
11N20	5260	Ant1	19.260	---	PASS
11N20	5260	Ant2	19.200	---	PASS
11N20	5300	Ant1	22.200	---	PASS
11N20	5300	Ant2	21.960	---	PASS
11N20	5320	Ant1	22.140	---	PASS
11N20	5320	Ant2	22.110	---	PASS
11N20	5500	Ant1	22.230	---	PASS
11N20	5500	Ant2	21.840	---	PASS
11N20	5580	Ant1	19.350	---	PASS
11N20	5580	Ant2	19.170	---	PASS
11N20	5600	Ant1	22.110	---	PASS
11N20	5600	Ant2	22.020	---	PASS
11N20	5700	Ant1	22.230	---	PASS
11N20	5700	Ant2	21.960	---	PASS
11N20	5745	Ant1	17.640	$\geq 0.5$	PASS
11N20	5745	Ant2	17.640	$\geq 0.5$	PASS
11N20	5785	Ant1	17.640	$\geq 0.5$	PASS
11N20	5785	Ant2	17.640	$\geq 0.5$	PASS
11N20	5825	Ant1	17.640	$\geq 0.5$	PASS
11N20	5825	Ant2	17.640	$\geq 0.5$	PASS
11N40	5190	Ant1	40.620	---	PASS
11N40	5190	Ant2	40.140	---	PASS
11N40	5230	Ant1	40.680	---	PASS
11N40	5230	Ant2	40.080	---	PASS
11N40	5270	Ant1	40.620	---	PASS
11N40	5270	Ant2	40.200	---	PASS
11N40	5310	Ant1	40.740	---	PASS
11N40	5310	Ant2	40.080	---	PASS
11N40	5510	Ant1	40.440	---	PASS
11N40	5510	Ant2	40.080	---	PASS



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11N40	5550	Ant1	40.740	---	PASS
11N40	5550	Ant2	40.020	---	PASS
11N40	5590	Ant1	40.620	---	PASS
11N40	5590	Ant2	40.200	---	PASS
11N40	5670	Ant1	40.680	---	PASS
11N40	5670	Ant2	40.140	---	PASS
11N40	5755	Ant1	36.480	>=0.5	PASS
11N40	5755	Ant2	36.480	>=0.5	PASS
11N40	5795	Ant1	36.480	>=0.5	PASS
11N40	5795	Ant2	36.480	>=0.5	PASS
11AC20	5180	Ant1	22.230	---	PASS
11AC20	5180	Ant2	21.870	---	PASS
11AC20	5200	Ant1	22.200	---	PASS
11AC20	5200	Ant2	21.990	---	PASS
11AC20	5240	Ant1	19.260	---	PASS
11AC20	5240	Ant2	19.170	---	PASS
11AC20	5260	Ant1	19.320	---	PASS
11AC20	5260	Ant2	19.260	---	PASS
11AC20	5300	Ant1	22.200	---	PASS
11AC20	5300	Ant2	22.140	---	PASS
11AC20	5320	Ant1	22.110	---	PASS
11AC20	5320	Ant2	21.930	---	PASS
11AC20	5500	Ant1	22.230	---	PASS
11AC20	5500	Ant2	21.990	---	PASS
11AC20	5580	Ant1	19.350	---	PASS
11AC20	5580	Ant2	19.140	---	PASS
11AC20	5600	Ant1	22.230	---	PASS
11AC20	5600	Ant2	21.900	---	PASS
11AC20	5700	Ant1	22.170	---	PASS
11AC20	5700	Ant2	22.080	---	PASS
11AC20	5745	Ant1	17.640	>=0.5	PASS
11AC20	5745	Ant2	17.640	>=0.5	PASS
11AC20	5785	Ant1	17.610	>=0.5	PASS
11AC20	5785	Ant2	17.640	>=0.5	PASS



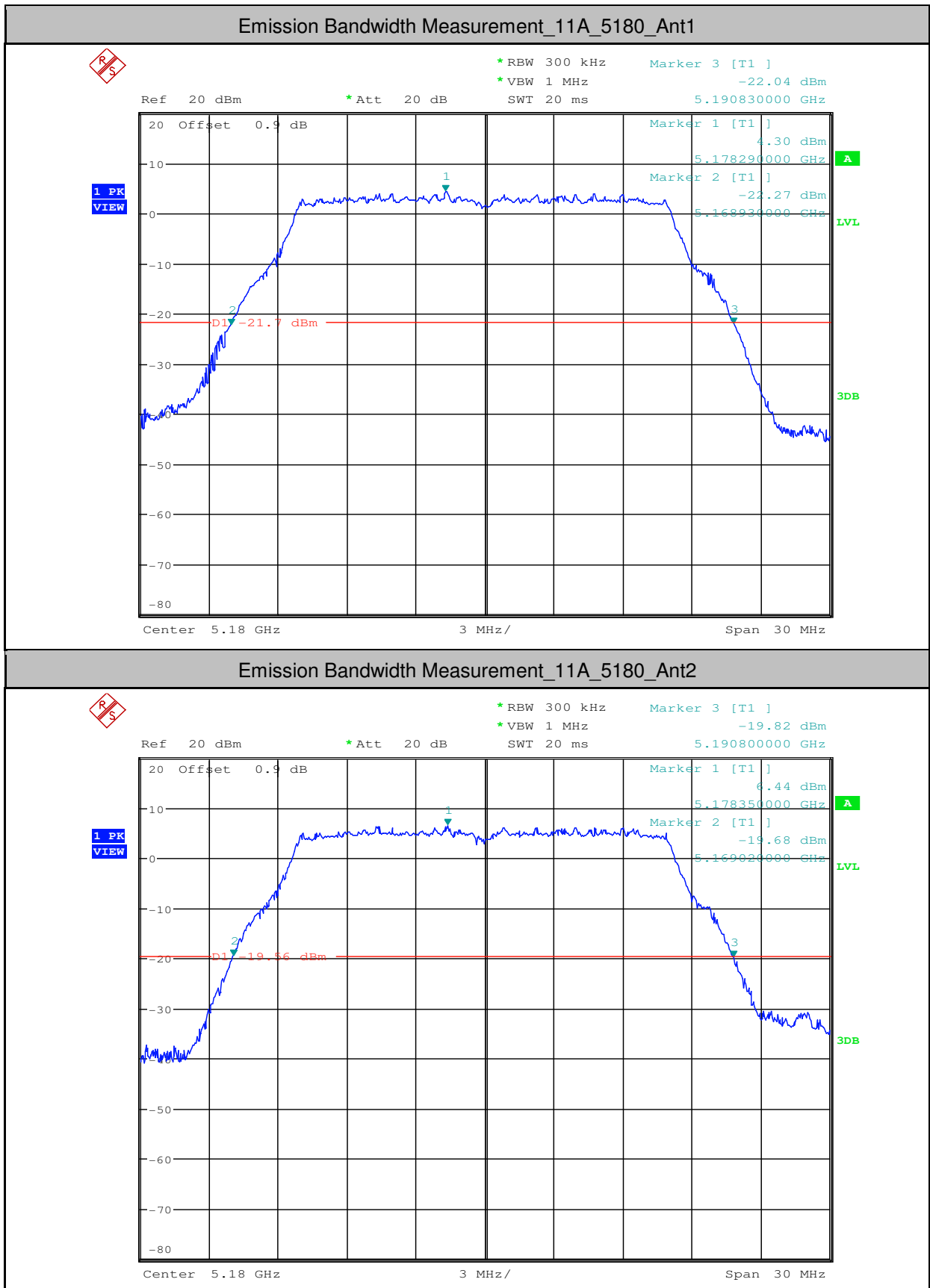


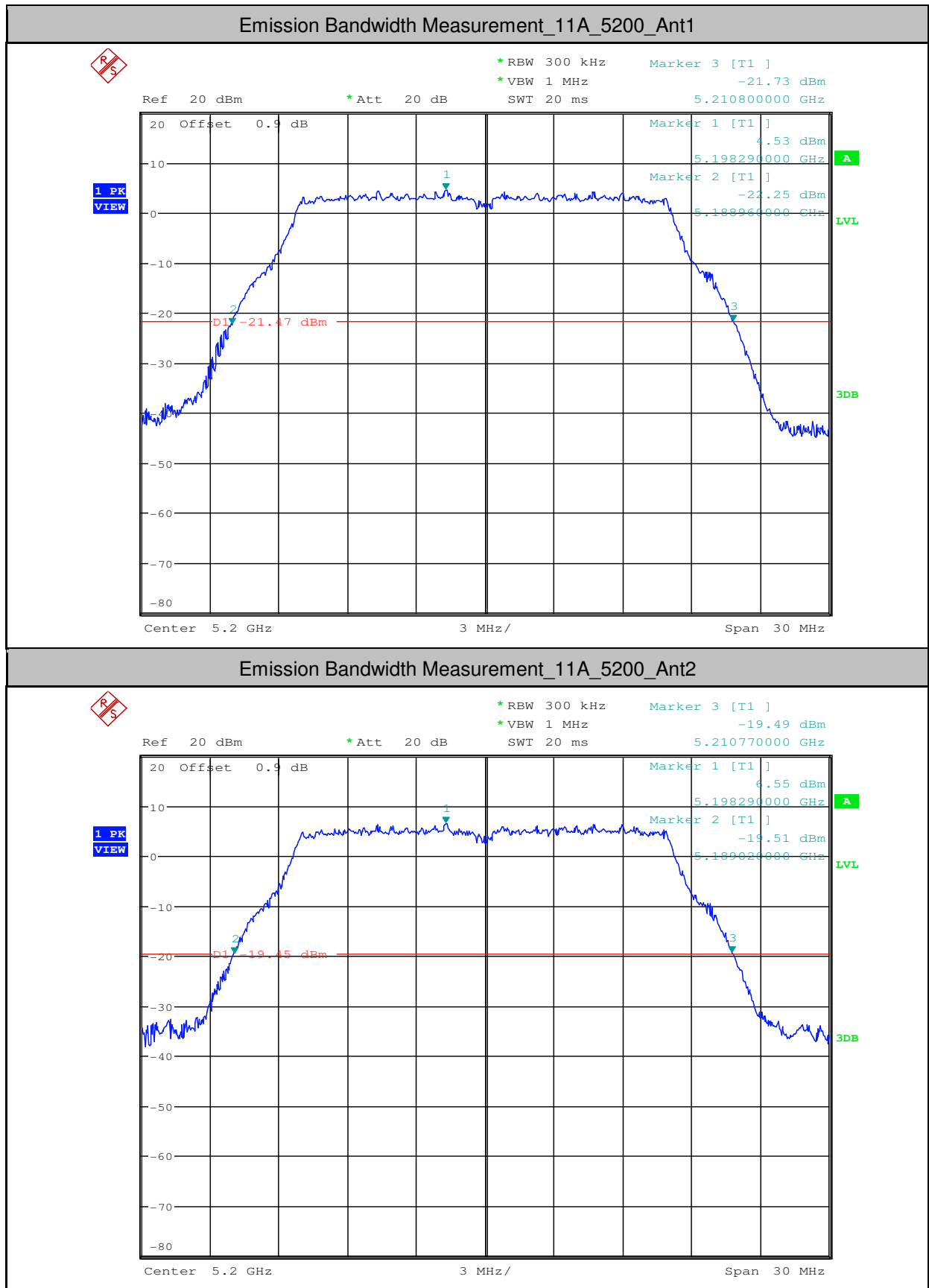
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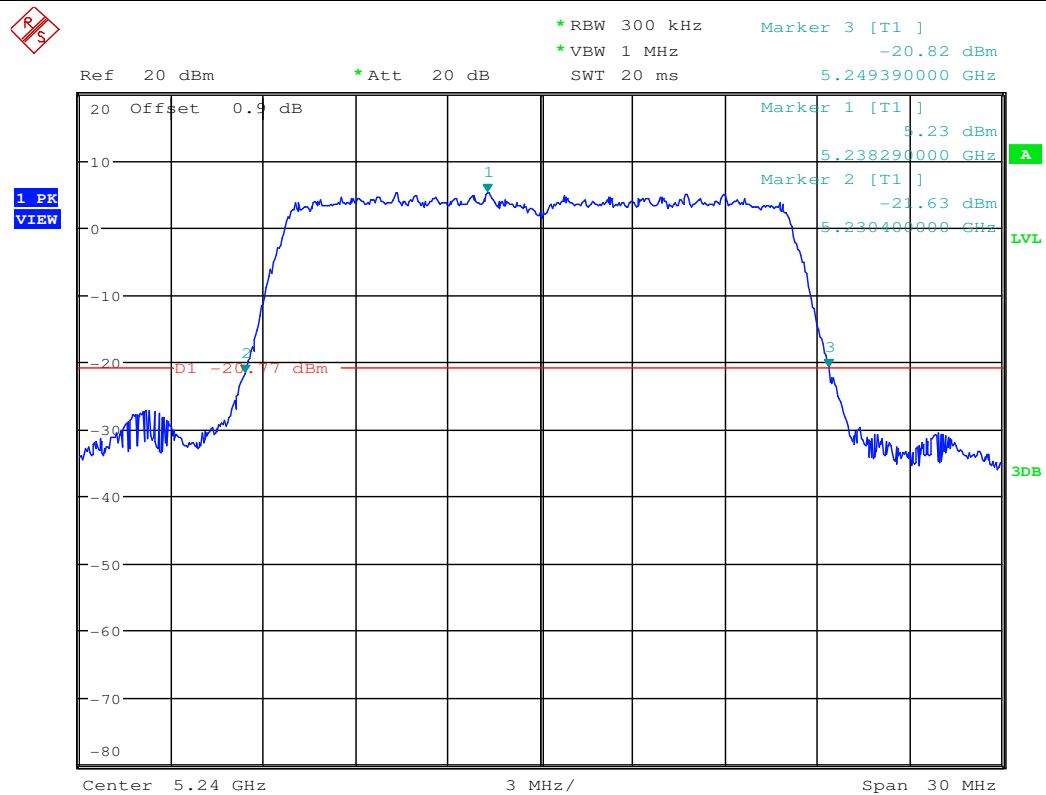
11AC20	5825	Ant1	17.640	>=0.5	PASS
11AC20	5825	Ant2	17.640	>=0.5	PASS
11AC40	5190	Ant1	40.560	---	PASS
11AC40	5190	Ant2	40.320	---	PASS
11AC40	5230	Ant1	40.680	---	PASS
11AC40	5230	Ant2	40.080	---	PASS
11AC40	5270	Ant1	40.080	---	PASS
11AC40	5270	Ant2	40.200	---	PASS
11AC40	5310	Ant1	40.740	---	PASS
11AC40	5310	Ant2	40.140	---	PASS
11AC40	5510	Ant1	40.800	---	PASS
11AC40	5510	Ant2	40.020	---	PASS
11AC40	5550	Ant1	40.560	---	PASS
11AC40	5550	Ant2	40.140	---	PASS
11AC40	5590	Ant1	40.740	---	PASS
11AC40	5590	Ant2	40.200	---	PASS
11AC40	5670	Ant1	40.920	---	PASS
11AC40	5670	Ant2	40.080	---	PASS
11AC40	5755	Ant1	36.480	>=0.5	PASS
11AC40	5755	Ant2	36.480	>=0.5	PASS
11AC40	5795	Ant1	36.420	>=0.5	PASS
11AC40	5795	Ant2	36.480	>=0.5	PASS
11AC80	5210	Ant1	82.920	---	PASS
11AC80	5210	Ant2	82.440	---	PASS
11AC80	5290	Ant1	82.800	---	PASS
11AC80	5290	Ant2	82.200	---	PASS
11AC80	5530	Ant1	83.520	---	PASS
11AC80	5530	Ant2	82.680	---	PASS
11AC80	5610	Ant1	84.240	---	PASS
11AC80	5610	Ant2	82.440	---	PASS
11AC80	5775	Ant1	75.720	>=0.5	PASS
11AC80	5775	Ant2	75.480	>=0.5	PASS



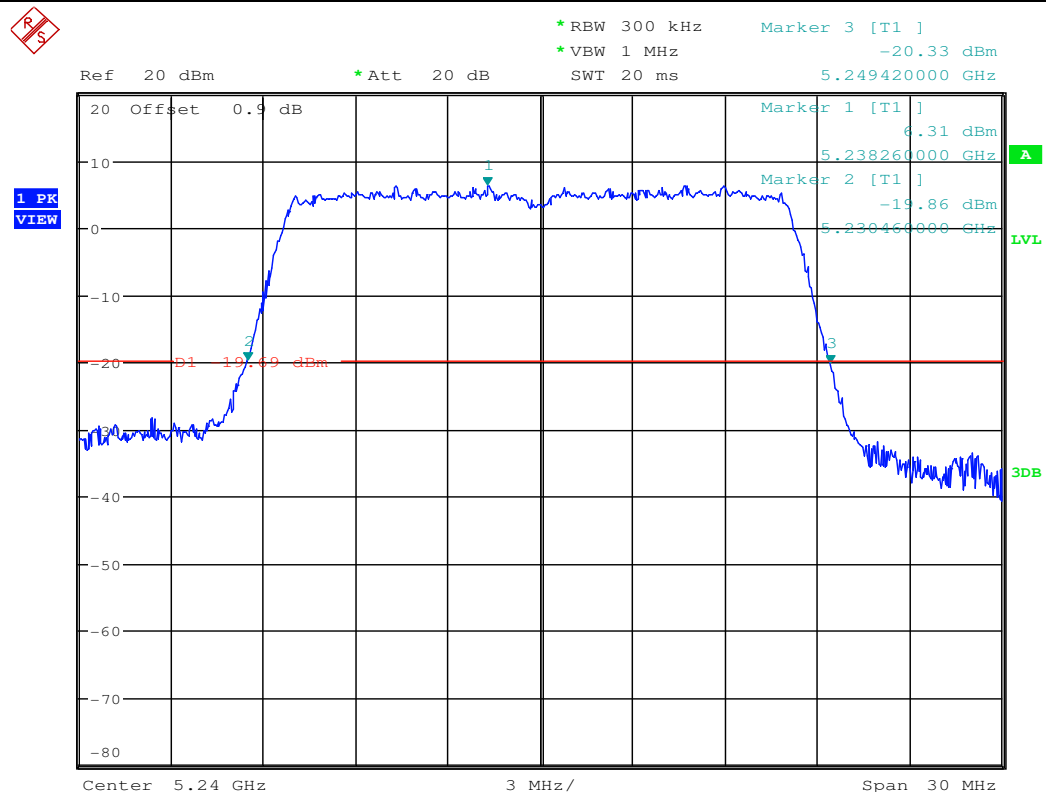


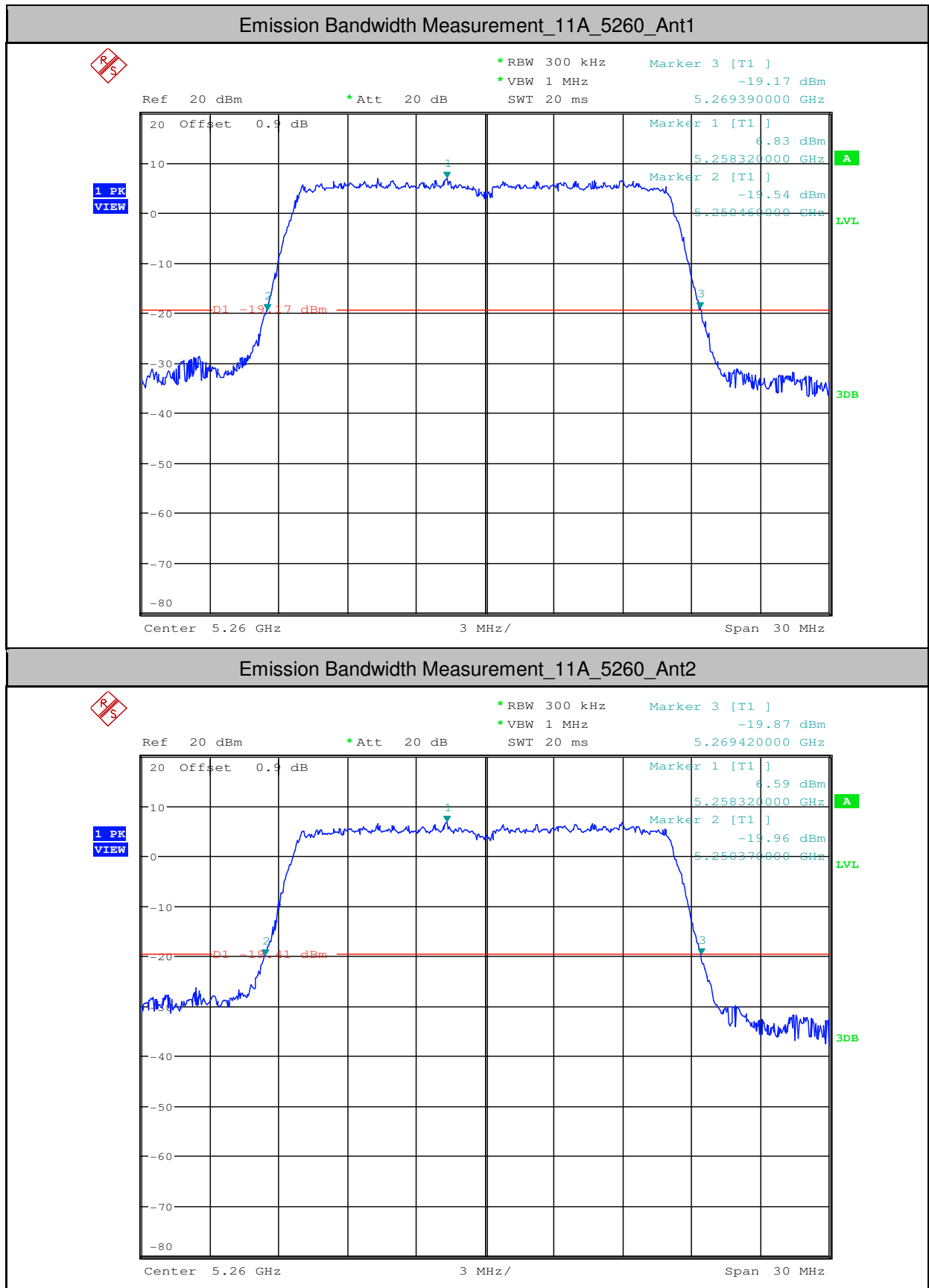


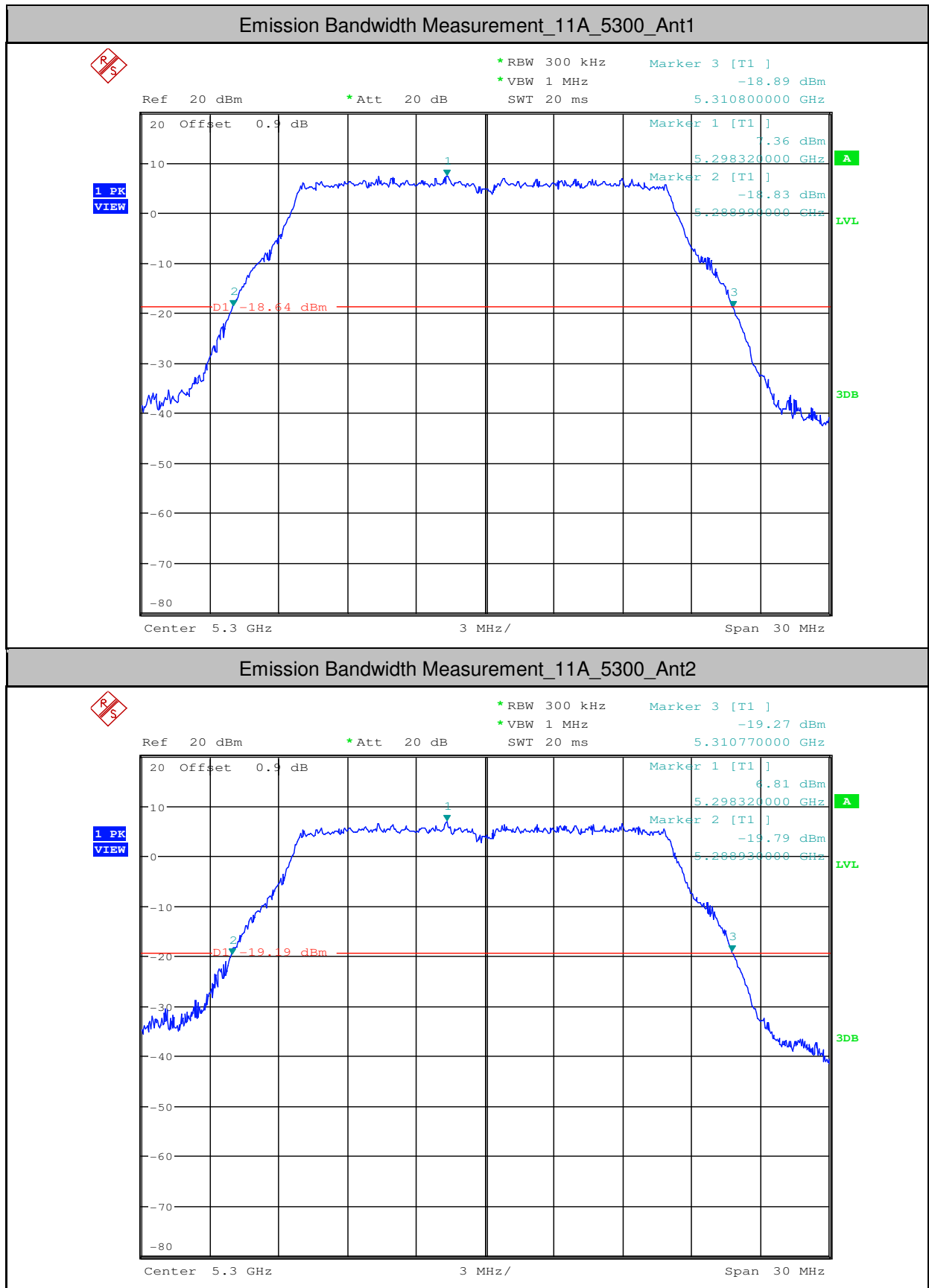
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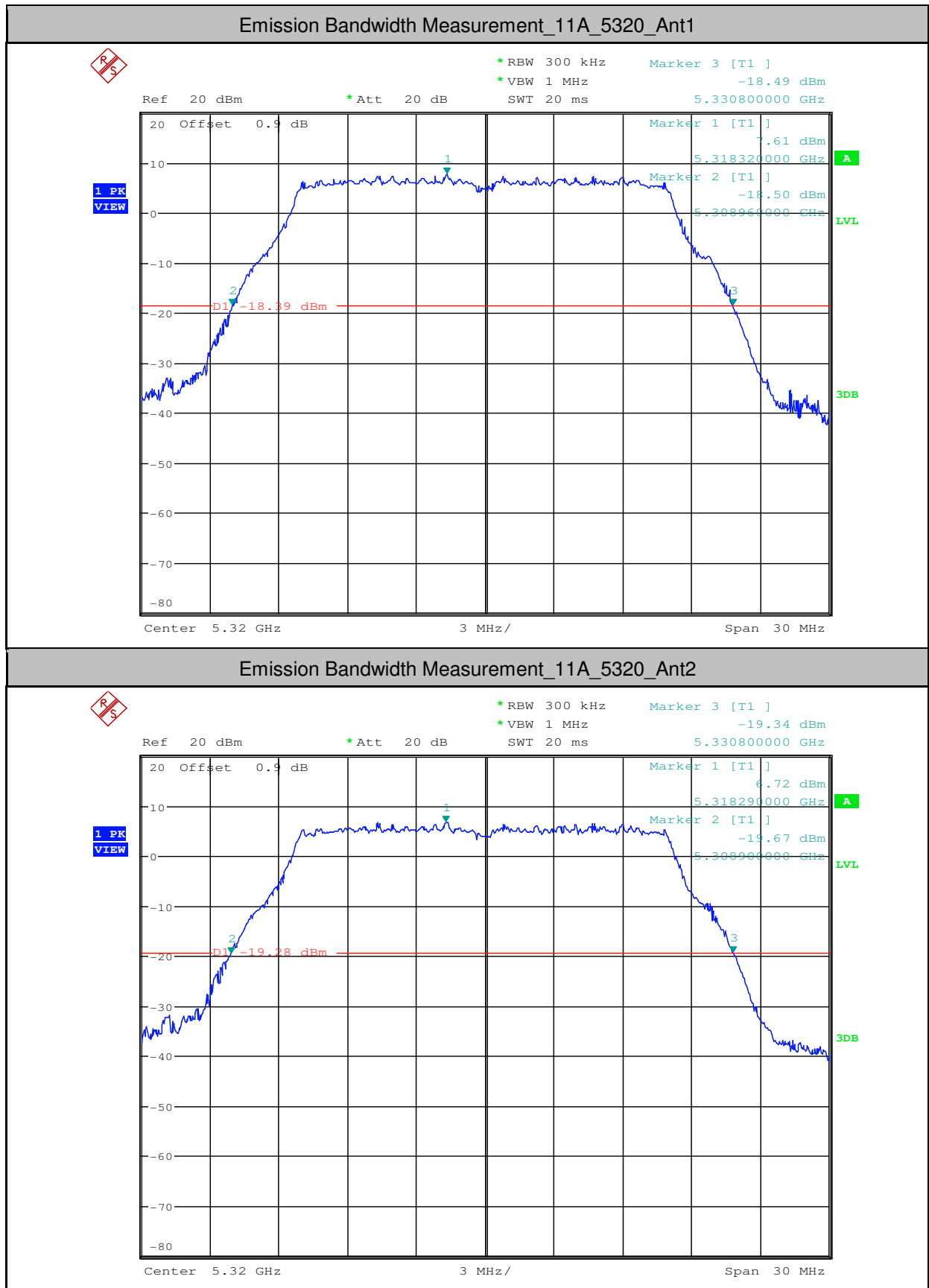


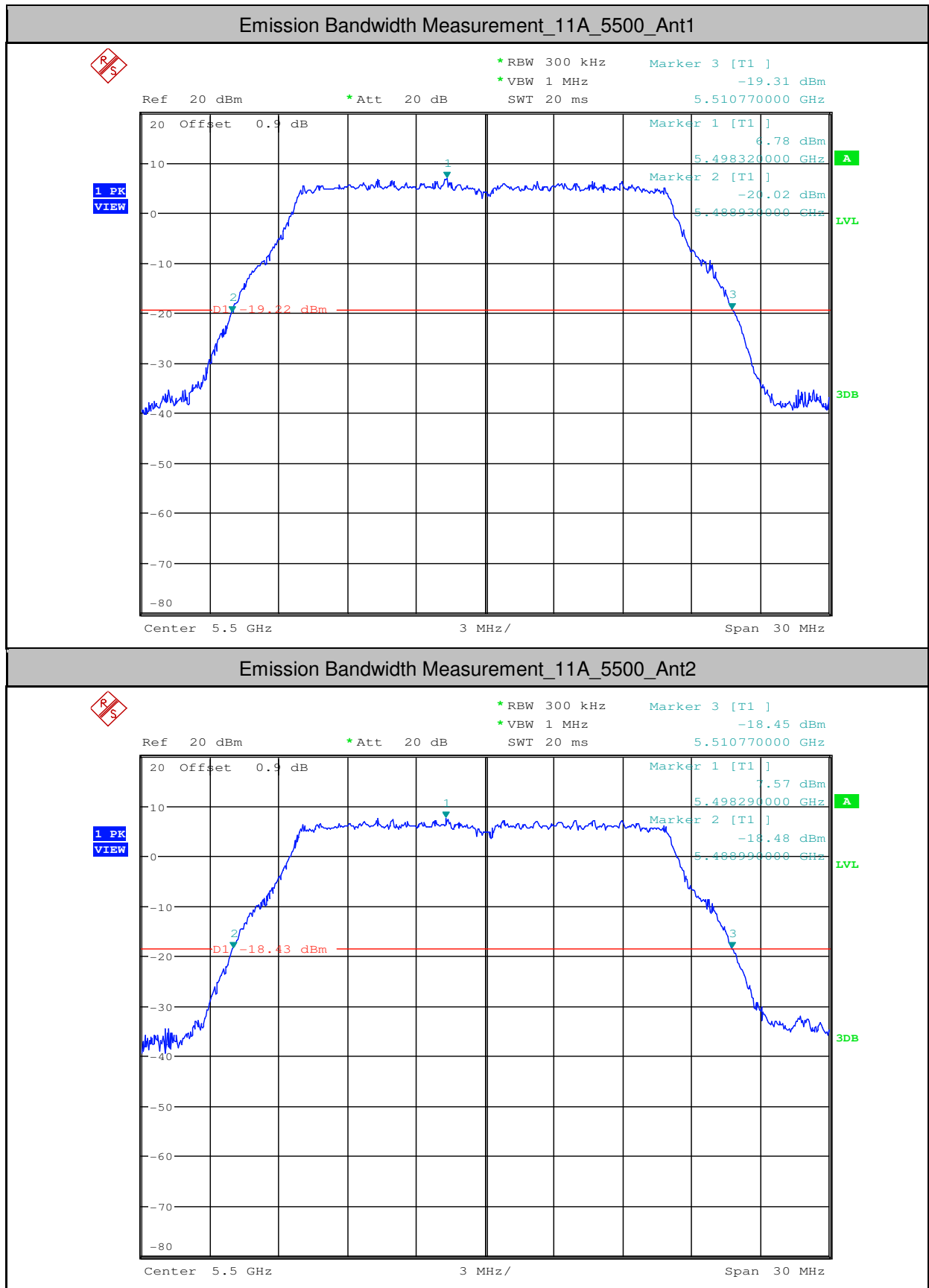
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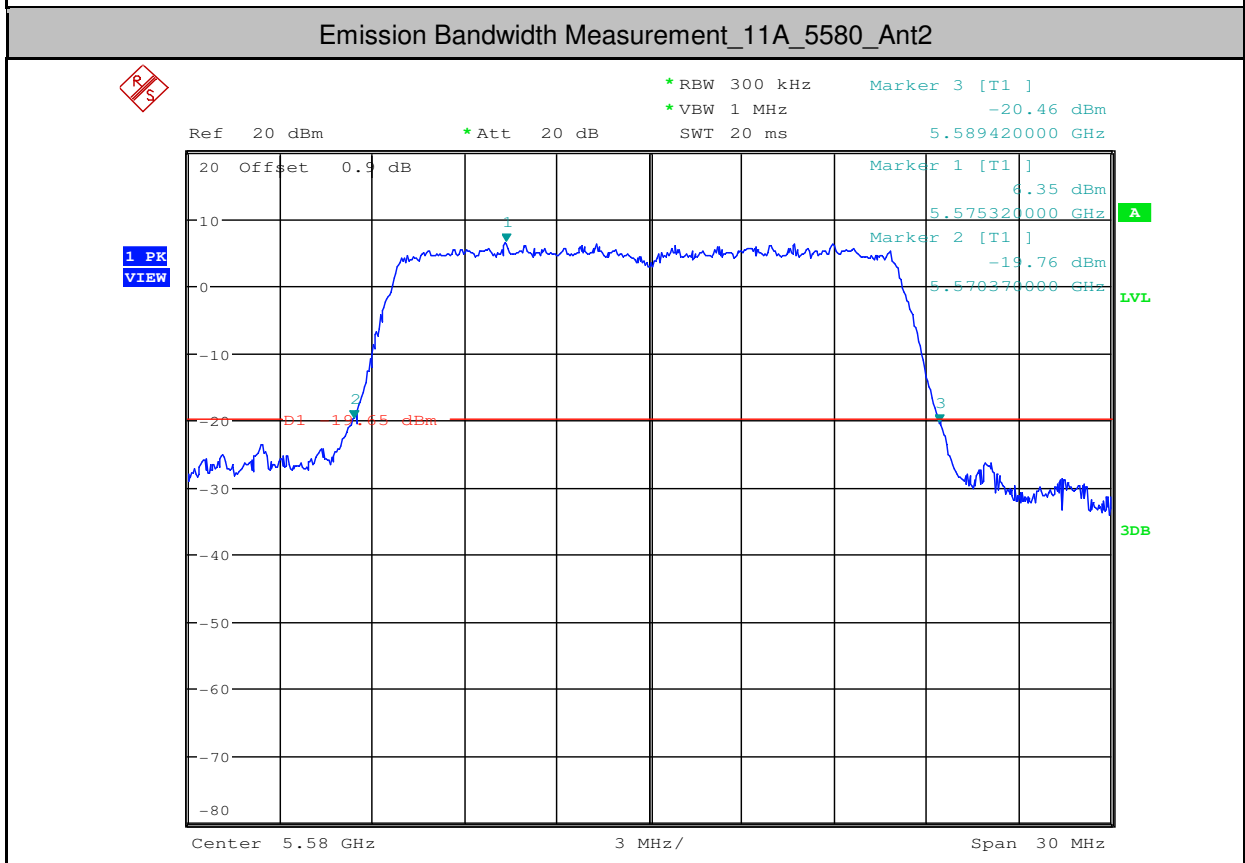
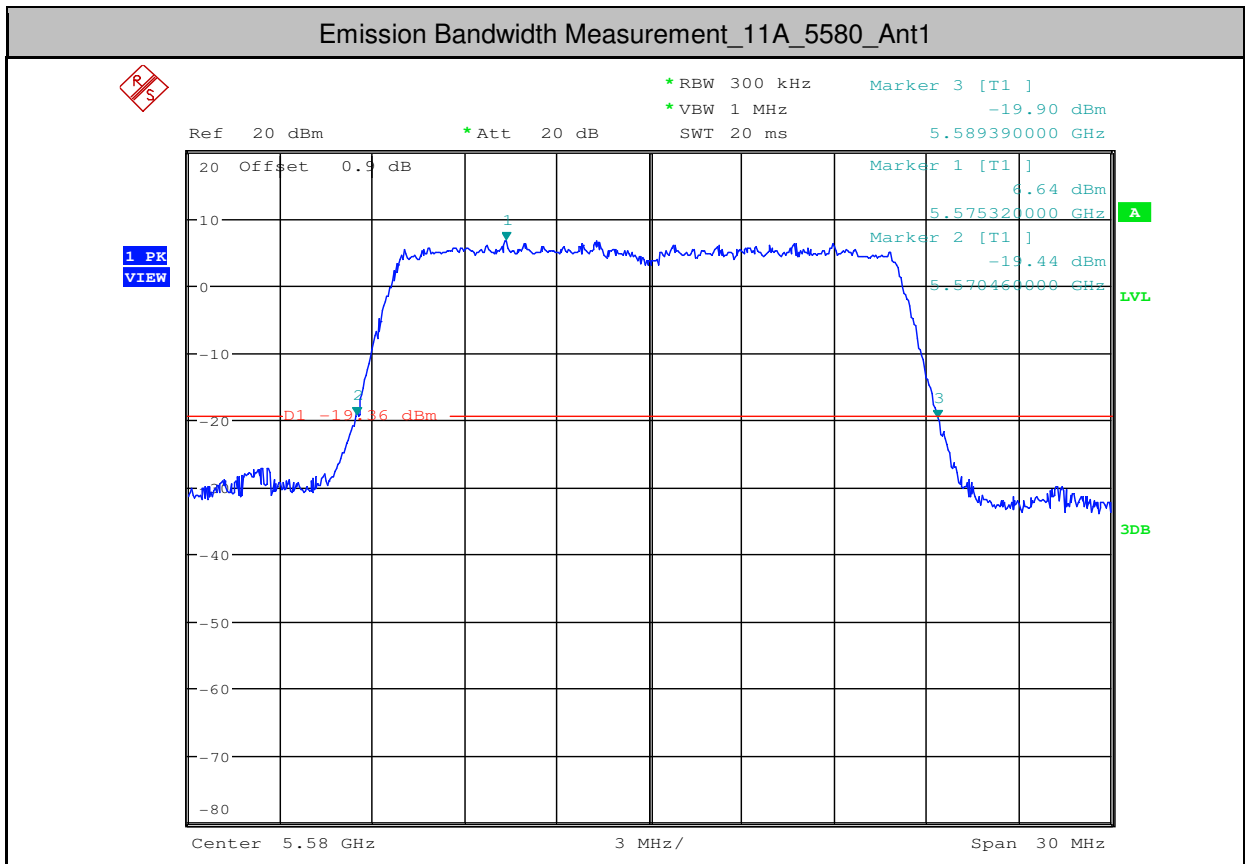






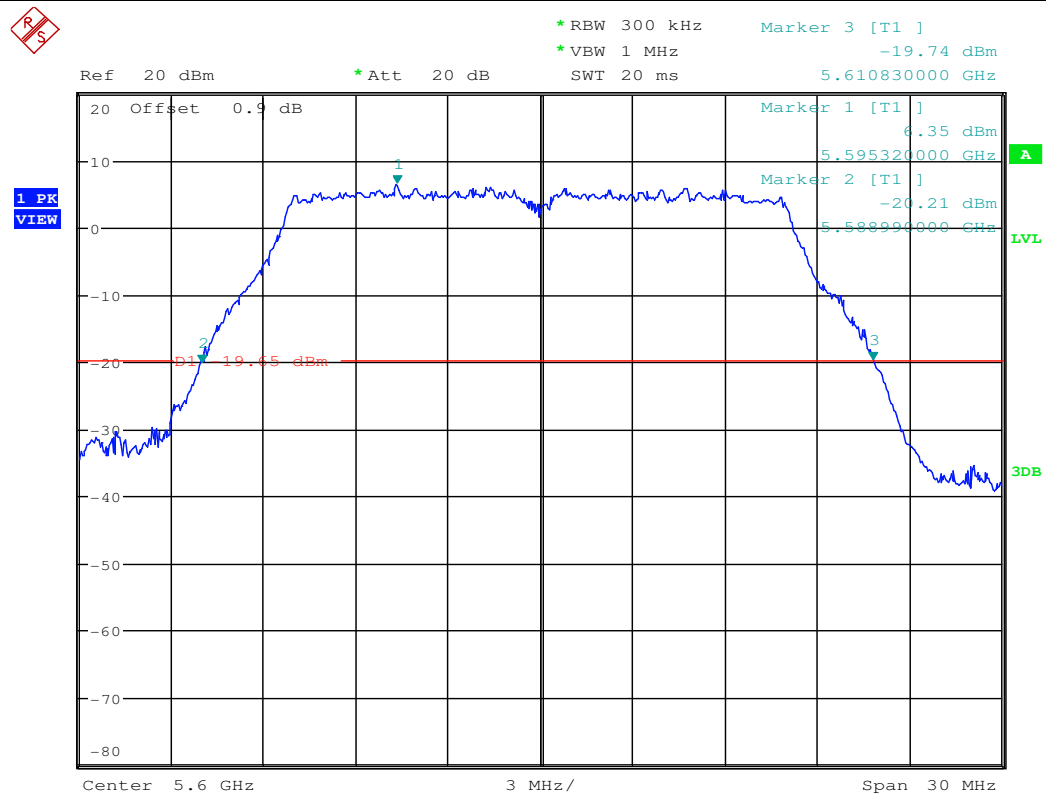




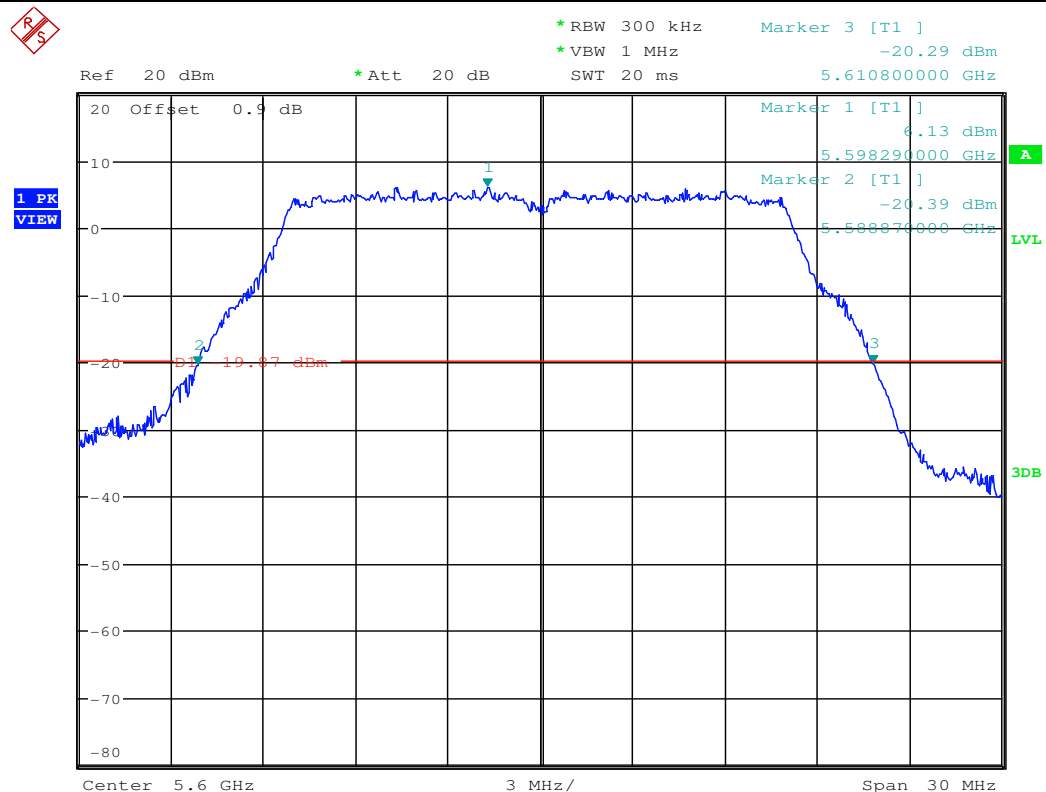




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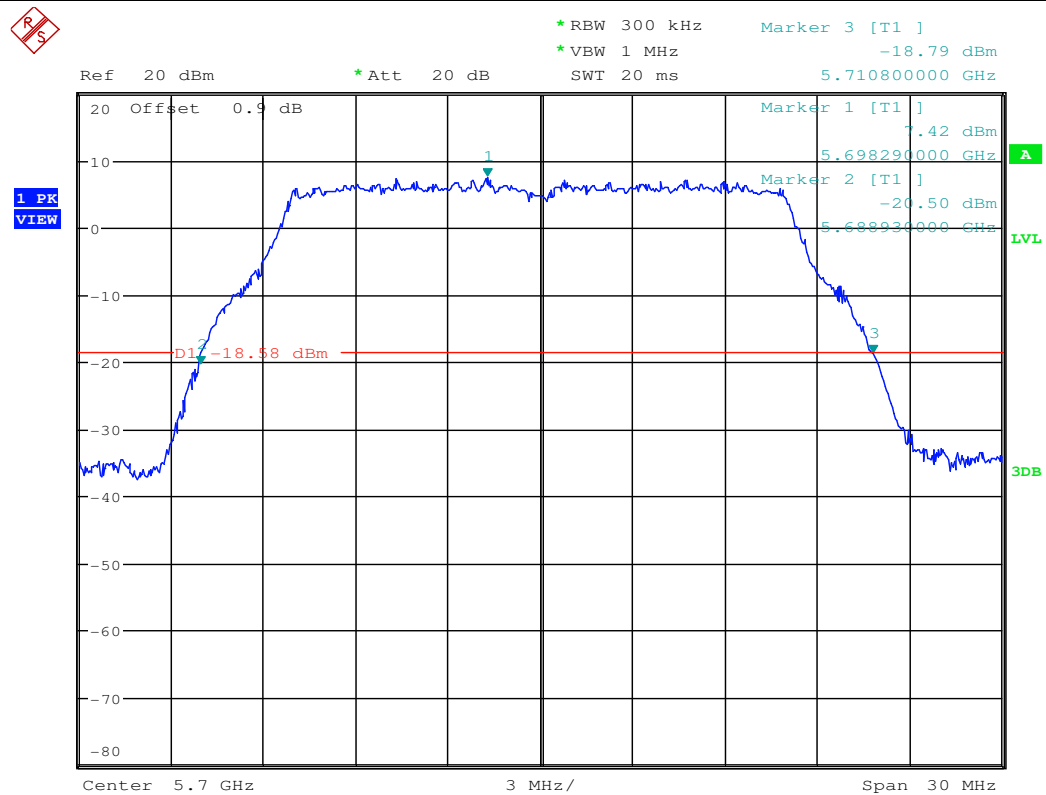


Emission Bandwidth Measurement\_11A\_5600\_Ant2





Emission Bandwidth Measurement\_11A\_5700\_Ant1



Emission Bandwidth Measurement\_11A\_5700\_Ant2

