



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

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Report No.: SZEM180300232405  
Page: 1 of 637

# TEST REPORT

**Application No.:** SZEM1803002324CR  
**Applicant:** NGSTB Company Limited  
**Address of Applicant:** F11, BLOCK B, ZhiYuan Bldg, No. 89 Industry 8th Road Nanshan District Shenzhen China  
**Manufacturer:** ABOX42 GmbH  
**Address of Manufacturer:** 76227 Karlsruhe Germany  
**Factory:** Aztech Communication Device (DG) Ltd  
**Address of Factory:** Jiu Jiang Shui Village, Chang Ping Town, Dong Guan City, GUangdong Province  
**Equipment Under Test (EUT):**  
**EUT Name:** Set Top Box for Smart TV/OTT/Hybrid  
**Model No.:** M35WL.11  
**Trade mark:** ABOX42 GmbH  
**FCC ID:** 2APK9-M35WL11  
**Standard(s) :** 47 CFR Part 15, Subpart E 15.407  
**Date of Receipt:** 2018-03-28  
**Date of Test:** 2018-06-01 to 2018-06-21  
**Date of Issue:** 2018-06-28

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



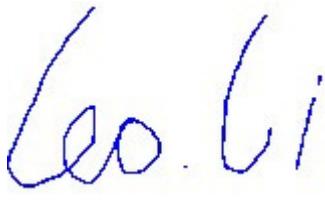
Keny Xu

EMC Laboratory Manager

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

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<b>Revision Record</b>				
<b>Version</b>	<b>Chapter</b>	<b>Date</b>	<b>Modifier</b>	<b>Remark</b>
01		2018-06-28		Original

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

## 2 Test Summary

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

N/A: Not applicable

<b>Radio Spectrum Matter Part</b>				
<b>Item</b>	<b>Standard</b>	<b>Method</b>	<b>Requirement</b>	<b>Result</b>
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, Subpart C 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 C 15.407 (a)	Pass
Minimum 6 dB bandwidth (5.725-5.85 GHz band)	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II C 2	47 CFR Part 15, Subpart C 15.407 (e)	Pass
Maximum Conducted output power	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II E	47 CFR Part 15, Subpart C 15.407 (a)	Pass
Peak Power spectrum density	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II F	47 CFR Part 15, Subpart C 15.407 (a)	Pass
DFS: Non-occupancy period	47 CFR Part 15, Subpart E 15.407	KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	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, Subpart C 15.209 & 15.407(b)	Pass
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart E 15.407	KDB 789033 D02 II G	47 CFR Part 15, Subpart C 15.209 & 15.407(b)	Pass
Frequency Stability	47 CFR Part 15, Subpart E 15.407	ANSI C63.10 (2013) Section 6.8	47 CFR Part 15, Subpart C 15.407 (g)	Pass

N/A: Not applicable

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## 4 General Information

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

Power supply:	DC 5V from adapter input AC 120V/60Hz Adapter Model: F18W6-050250SPAU Input:AC100-240V~50/60Hz 0.6A Output:DC 5V 2.5A			
Cable:	HDMI cable: 150cm shielded RJ45 cable: 200cm shielded DC In cable: 150cm unshielded			
Antenna Gain	6dBi(2x2 MIMO)			
Antenna Type	PIFA Antenna			
DFS Function	Slave without Radar detection			
TPC Function	Support			
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
Modulation Type:	802.11a: OFDM (BPSK, QPSK, 16QAM, 64QAM) 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM) 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM)			

<b>Channel list for 802.11a/n(HT20)/ac(HT20)</b>							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
36	5180MHz	40	5200MHz	44	5220MHz	48	5240MHz
52	5260MHz	56	5280MHz	60	5330MHz	64	5320MHz
100	5500MHz	104	5520MHz	108	5540 MHz	112	5560MHz
116	5580MHz	120	5600MHz	124	5620 MHz	128	5640MHz
132	5660MHz	136	5680MHz	140	5700 MHz	149	5745MHz
153	5765MHz	157	5785MHz	161	5805MHz	165	5825MHz

<b>Channel list for 802.11n(HT40)/ac(HT40)</b>							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
38	5190MHz	46	5230MHz	54	5270MHz	62	5310MHz
102	5510MHz	110	5550MHz	118	5590MHz	126	5630MHz
134	5670MHz	155	5755MHz	159	5795MHz		

<b>Channel list for 802.11ac(HT80)</b>							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
42	5210MHz	58	5290MHz	106	5530 MHz	122	5610MHz
155	5775MHz						

<b>Selected Test Channel for 802.11a/n(HT20)/ac(HT20)</b>		
Band	Channel	Frequency
U-NII Band I	The lowest channel (CH36)	5180MHz
	The middle channel (CH40)	5200MHz
	The highest channel (CH48)	5240MHz
U-NII Band 2A	The lowest channel (CH52)	5260MHz
	The middle channel (CH60)	5785MHz
	The highest channel (CH64)	5320MHz
U-NII Band 2C	The lowest channel (CH100)	5500MHz
	The middle channel (CH116)	5580MHz
	The highest channel (CH140)	5700MHz
U-NII Band III	The lowest channel (CH149)	5745MHz
	The middle channel (CH157)	5785MHz
	The highest channel (CH165)	5825MHz

<b>Selected Test Channel for 802.11n(HT40)/ac(HT40)</b>		
Band	Channel	Frequency
U-NII Band I	The lowest channel (CH38)	5190MHz
	The highest channel (CH46)	5230MHz
U-NII Band 2A	The lowest channel (CH54)	5270MHz
	The highest channel (CH62)	5310MHz
U-NII Band 2C	The lowest channel (CH102)	5510MHz
	The middle channel (CH118)	5590MHz
	The highest channel (CH134)	5670MHz
U-NII Band III	The lowest channel (CH151)	5755MHz
	The highest channel (CH159)	5795MHz

<b>Selected Test Channel for 802.11ac(HT80)</b>		
Band	Channel	Frequency
U-NII Band I	One channel (CH42)	5210MHz
U-NII Band 2A	One channel(CH58)	5290MHz
U-NII Band 2C	The lowest channel (CH106)	5530MHz
	The highest channel (CH138)	5610MHz
U-NII Band III	One channel (CH155)	5775MHz

#### 4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Router	NETGEAR	DGN2200	REF. No.:SEA2200
LCD-Displaying	Lenovo	L17711pC	REF. No.:SEA2502

#### 4.3 Measurement Uncertainty

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

#### **4.4 Test Location**

All tests were performed at:

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

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

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

No tests were sub-contracted.

#### **4.5 Test Facility**

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

- CNAS (No. CNAS L2929)**

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

- A2LA (Certificate No. 3816.01)**

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

- VCCI**

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

- FCC –Designation Number: CN1178**

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

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

- Industry Canada (IC)**

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

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

None

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

None

## 5 Equipment List

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	2020-05-09
Measurement Software	AUDIX	e3 V5.4.1221d	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2017-07-13	2018-07-12
LISN	Rohde & Schwarz	ENV216	SEM007-01	2017-09-27	2018-09-26
LISN	ETS-LINDGREN	3816/2	SEM007-02	2018-04-02	2019-04-01
EMI Test Receiver	Rohde & Schwarz	ESCI	SEM004-02	2018-04-02	2019-04-01

Duty Cycle					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2017-09-27	2018-09-26
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2017-09-27	2018-09-26
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-02	2017-07-13	2018-07-12
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2017-09-27	2018-09-26
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2017-09-27	2018-09-26

99% Bandwidth					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2017-09-27	2018-09-26
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2017-09-27	2018-09-26
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-02	2017-07-13	2018-07-12
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2017-09-27	2018-09-26
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2017-09-27	2018-09-26

26dB Emission bandwidth					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2017-09-27	2018-09-26
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2017-09-27	2018-09-26
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-02	2017-07-13	2018-07-12
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2017-09-27	2018-09-26
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2017-09-27	2018-09-26



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<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	2017-09-27	2018-09-26
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2017-09-27	2018-09-26
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-02	2017-07-13	2018-07-12
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2017-09-27	2018-09-26
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2017-09-27	2018-09-26

<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	2017-09-27	2018-09-26
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2017-09-27	2018-09-26
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-02	2017-07-13	2018-07-12
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2017-09-27	2018-09-26
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2017-09-27	2018-09-26

<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	2017-09-27	2018-09-26
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2017-09-27	2018-09-26
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-02	2017-07-13	2018-07-12
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2017-09-27	2018-09-26
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2017-09-27	2018-09-26

<b>Radiated Emissions which fall in the restricted bands</b>					
<b>Equipment</b>	<b>Manufacturer</b>	<b>Model No</b>	<b>Inventory No</b>	<b>Cal Date</b>	<b>Cal Due Date</b>
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2018-03-13	2021-03-12
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM026-01	2017-07-13	2018-07-12
Spectrum Analyzer	Rohde & Schwarz	FSU43	SEM004-08	2018-04-02	2019-04-01
BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-01	2017-06-27	2020-06-26
Horn Antenna (1-18GHz)	Rohde & Schwarz	HF907	SEM003-07	2018-04-13	2021-04-12



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Horn Antenna(15GHz-40GHz)	Schwarzbeck	BBHA 9170	SEM003-15	2017-10-17	2020-10-16
Pre-amplifier (0.1-1300MHz)	HP	8447D	SEM005-02	2017-09-27	2018-09-26
Low Noise Amplifier(100MHz-18GHz)	Black Diamond Series	BDLNA-0118-352810	SEM005-05	2017-09-27	2018-09-27
Pre-amplifier(18-26GHz)	Rohde & Schwarz	CH14-H052	SEM005-17	2018-04-02	2019-04-01
Pre-amplifier(26GHz-40GHz)	Compliance Directions Systems Inc.	PAP-2640-50	SEM005-08	2018-04-02	2019-04-01
DC Power Supply	Zhao Xin	RXN-305D	SEM011-02	2017-09-27	2018-09-26
Active Loop Antenna	ETS-Lindgren	6502	SEM003-08	2017-08-22	2020-08-21
Band filter	N/A	N/A	SEM023-01	N/A	N/A

RE in Chamber						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
1	10m Semi-Anechoic Chamber	SAEMC	FSAC1018	SEM001-03	2018-03-31	2021-03-30
2	EMI Test Receiver (9k-7GHz)	Rohde & Schwarz	ESR	SEM004-03	2018-04-02	2019-04-01
3	Trilog-Broadband Antenna(30M-1GHz)	Schwarzbeck	VULB9168	SEM003-18	2016-06-29	2019-06-28
4	Pre-amplifier (9kHz-1GHz)	Sonoma Instrument Co	310N	SEM005-04	2018-04-13	2019-04-12
5	Loop Antenna (9kHz-30MHz)	ETS-Lindgren	6502	SEM003-08	2017-08-22	2020-08-21
6	Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
7	Coaxial Cable	SGS	N/A	SEM029-01	2017-07-13	2018-07-12

Frequency Stability					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2017-09-27	2018-09-26
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2017-09-27	2018-09-26
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-02	2017-07-13	2018-07-12
Attenuator	Weinschel Associates	WA41	SEM021-09	N/A	N/A
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2017-09-27	2018-09-26
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2017-09-27	2018-09-26



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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	2017-09-29	2018-09-28
Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	ZJ1-2B	SEM002-04	2017-09-29	2018-09-28
Humidity/ Temperature Indicator	Mingle	N/A	SEM002-08	2017-09-29	2018-09-28
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2018-04-08	2019-04-07

## 6 Radio Spectrum Technical Requirement

### 6.1 Antenna Requirement

#### 6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

#### 6.1.2 Conclusion

Standard Requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:



The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 6dBi.

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

### **6.2.1 Test Requirement:**

47 CFR Part 15, Subpart C 15.407 (c)

### **6.2.2 Conclusion**

Standard Requirement:

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

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

EUT Details:

WIFI chip (AR9342) 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 & 15.407 b(6)

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

Limit:

Frequency of emission(MHz)	Conducted limit(dB $\mu$ V)	
	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: 21 °C      Humidity: 46 % RH      Atmospheric Pressure: 1015 mbar

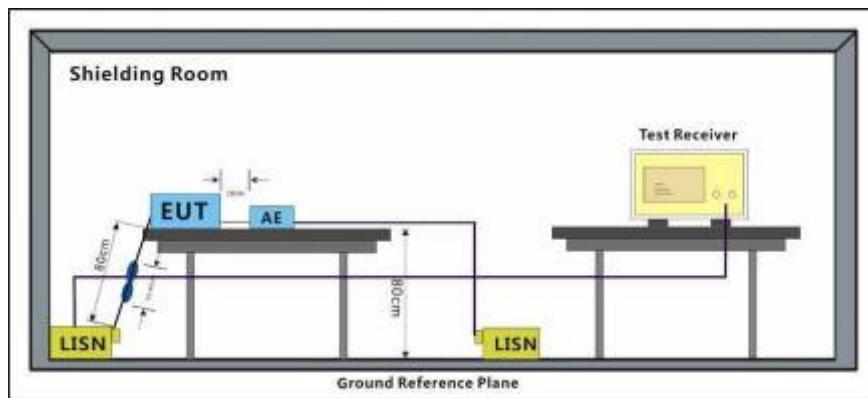
Pretest these modes to find the worst case:  
g:TX mode (Band 1)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of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

i: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.

j: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.

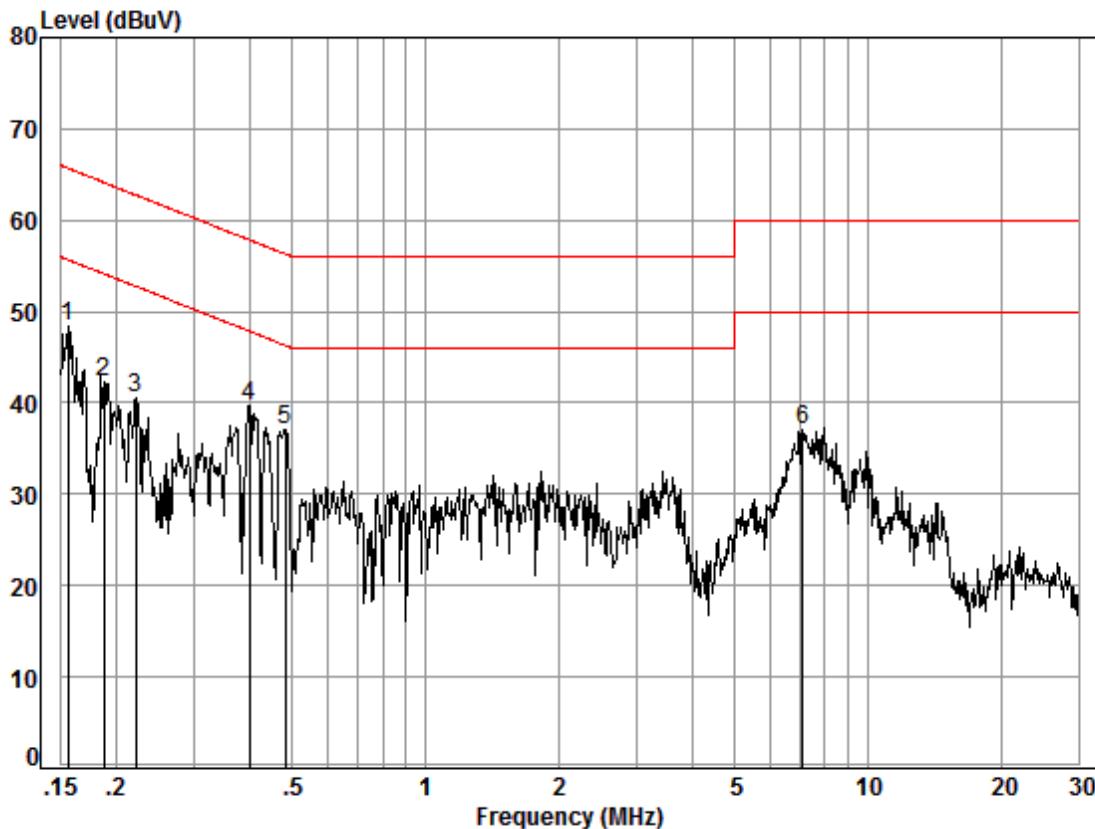
The worst case for final test:  
g:TX mode (Band 1)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); 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/50 $\mu$ H + 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:g; Line:Live Line



Site : Shielding Room

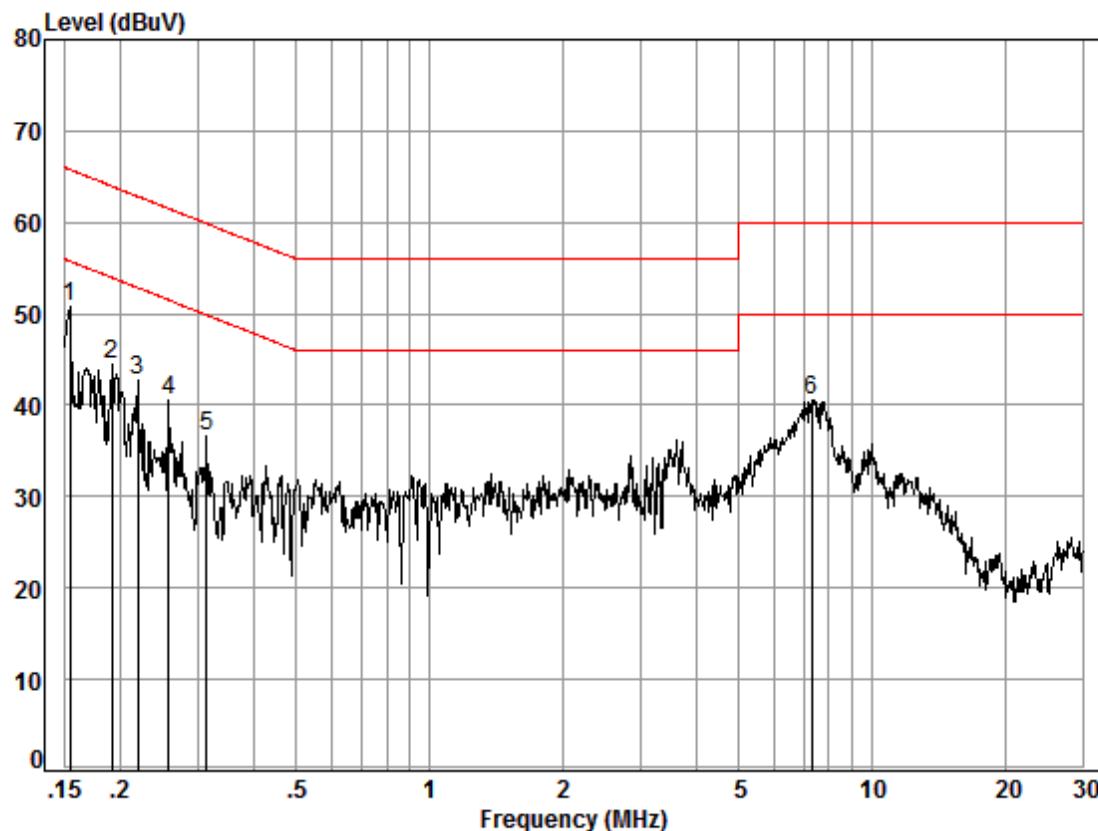
Condition: Line

Job No. : 02324CR

Test mode: g

Freq	Cable Loss	LISN Factor	Read Level		Limit Line	Over Limit	Remark
			MHz	dB	dBuV	dBuV	
1	0.16	0.02	9.51	38.89	48.42	55.69	-7.27 Peak
2	0.19	0.03	9.51	32.72	42.26	54.15	-11.89 Peak
3	0.22	0.03	9.50	31.00	40.53	52.74	-12.21 Peak
4	0.40	0.04	9.49	30.22	39.75	47.86	-8.11 Peak
5	0.48	0.04	9.49	27.59	37.12	46.32	-9.20 Peak
6	7.14	0.18	9.59	27.19	36.96	50.00	-13.04 Peak

Mode:g; Line:Neutral Line



Site : Shielding Room

Condition: Neutral

Job No. : 02324CR

Test mode: g

Freq	Cable	LISN	Read	Limit		Over	Remark
	Loss	Factor	Level	Level	Line	Limit	
	MHz	dB	dB	dBuV	dBuV	dB	
1	0.15	0.02	9.58	41.26	50.86	55.78	-4.92 Peak
2	0.19	0.03	9.58	34.95	44.56	53.98	-9.42 Peak
3	0.22	0.03	9.57	33.10	42.70	52.83	-10.13 Peak
4	0.26	0.03	9.58	30.95	40.56	51.51	-10.95 Peak
5	0.31	0.03	9.58	27.10	36.71	49.88	-13.17 Peak
6	7.33	0.18	9.73	30.68	40.59	50.00	-9.41 Peak

## 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:

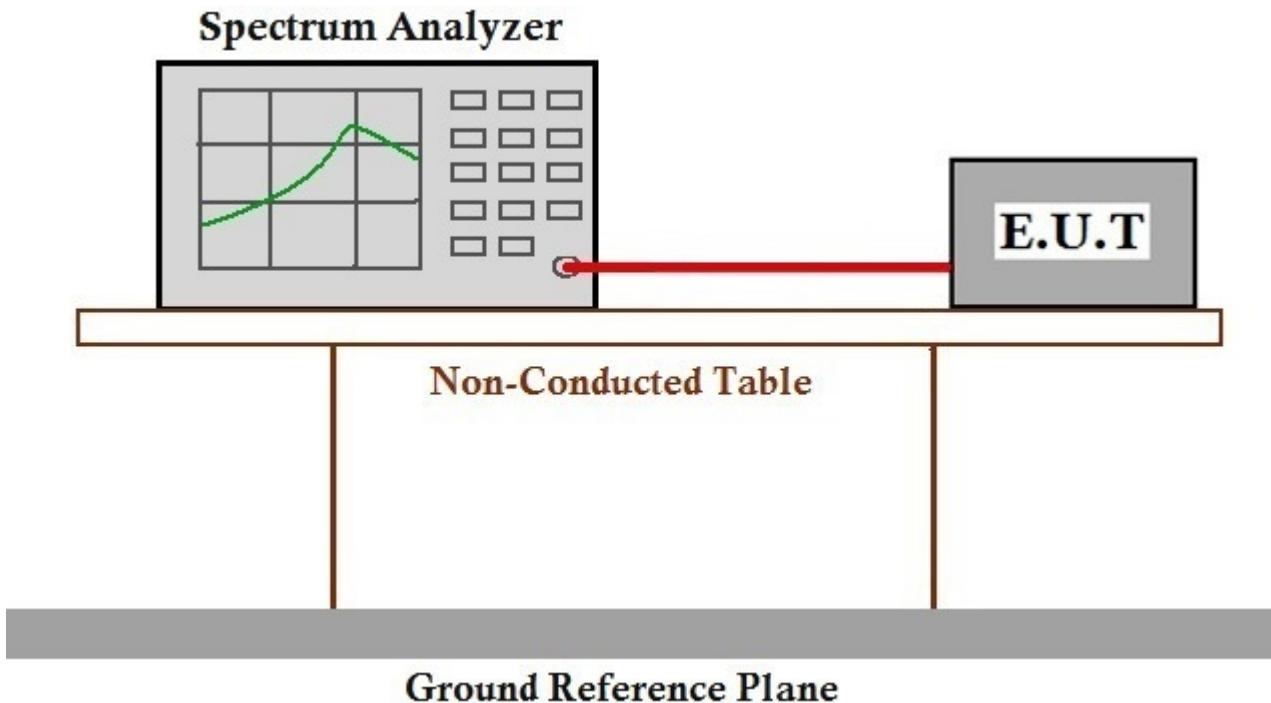
Temperature: 24.3 °C Humidity: 47 % RH Atmospheric Pressure: 1015 mbar

Test mode: g: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 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.

i: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.

j: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.

**7.2.2 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:

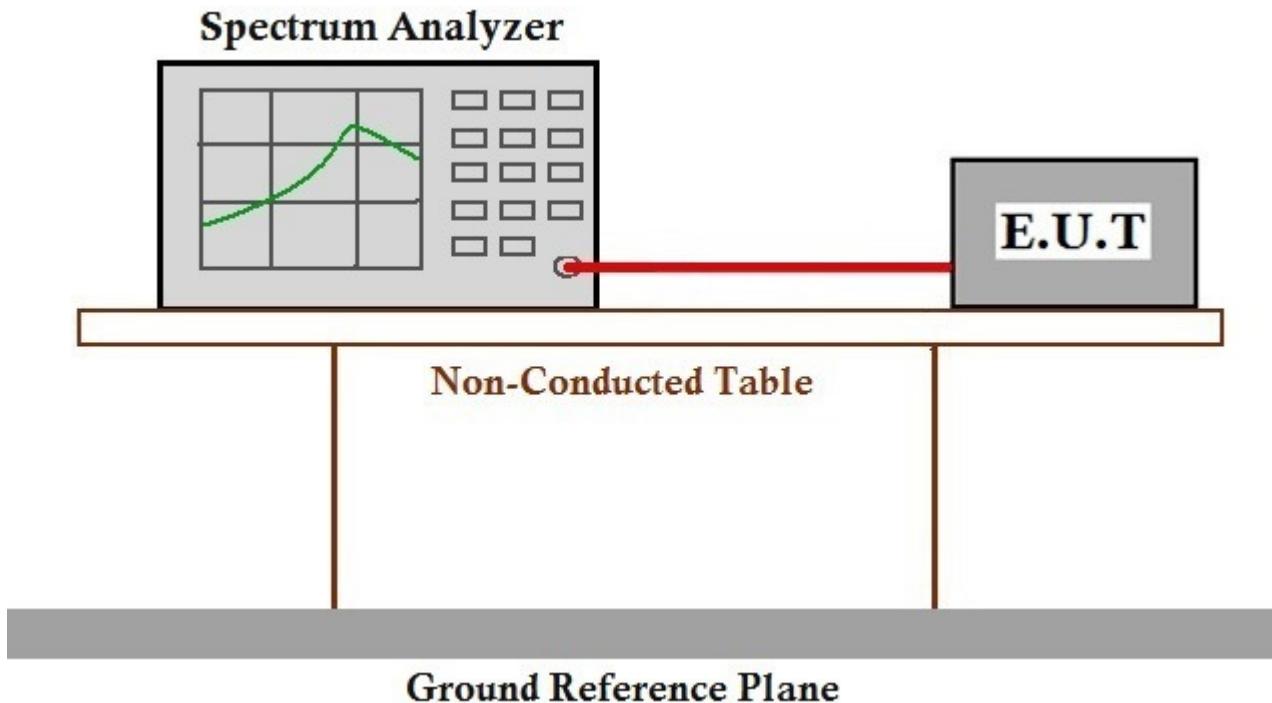
Temperature: 24.3 °C Humidity: 47 % RH Atmospheric Pressure: 1015 mbar

Test mode: g: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 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.

i: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.

j: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.

**7.3.2 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 C 15.407 (a)

Test Method: KDB 789033 D02 II C 1

### 7.4.1 E.U.T. Operation

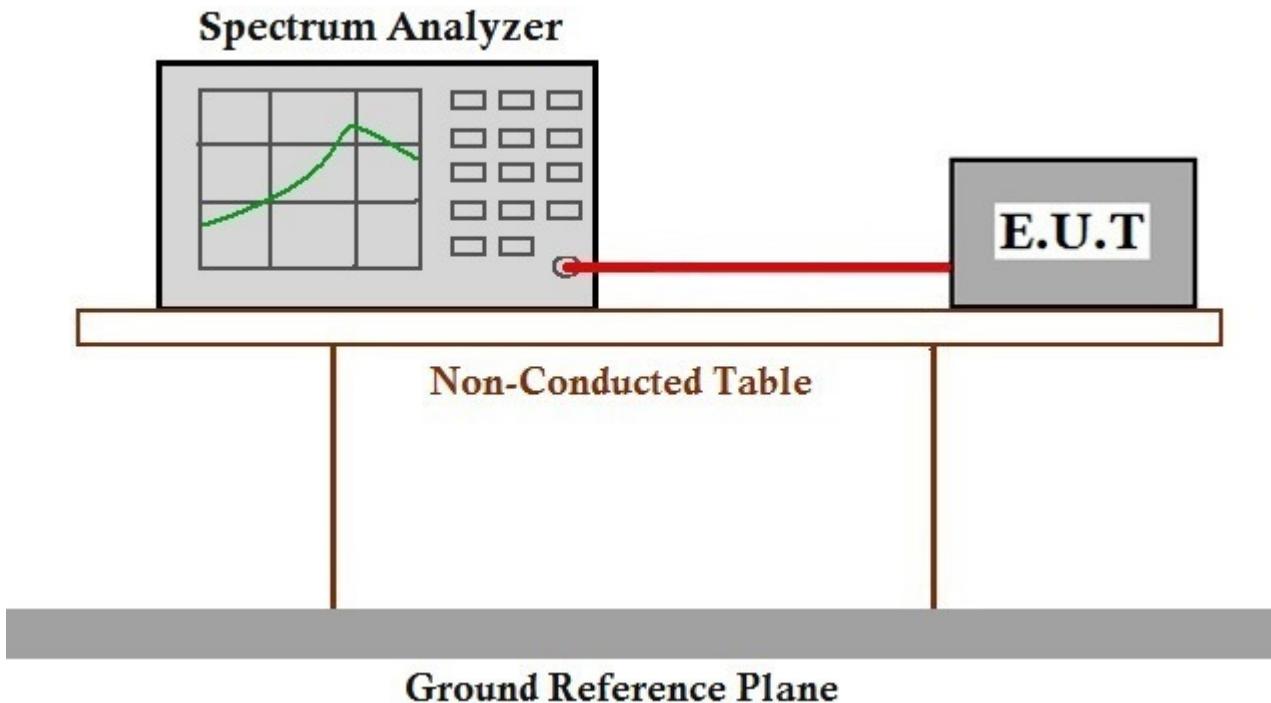
Operating Environment:

Temperature: 24.3 °C Humidity: 47 % RH Atmospheric Pressure: 1015 mbar

Test mode: g: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 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.

i: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 C 15.407 (e)  
Test Method: KDB 789033 D02 II C 2  
Limit:  $\geq 500$  kHz

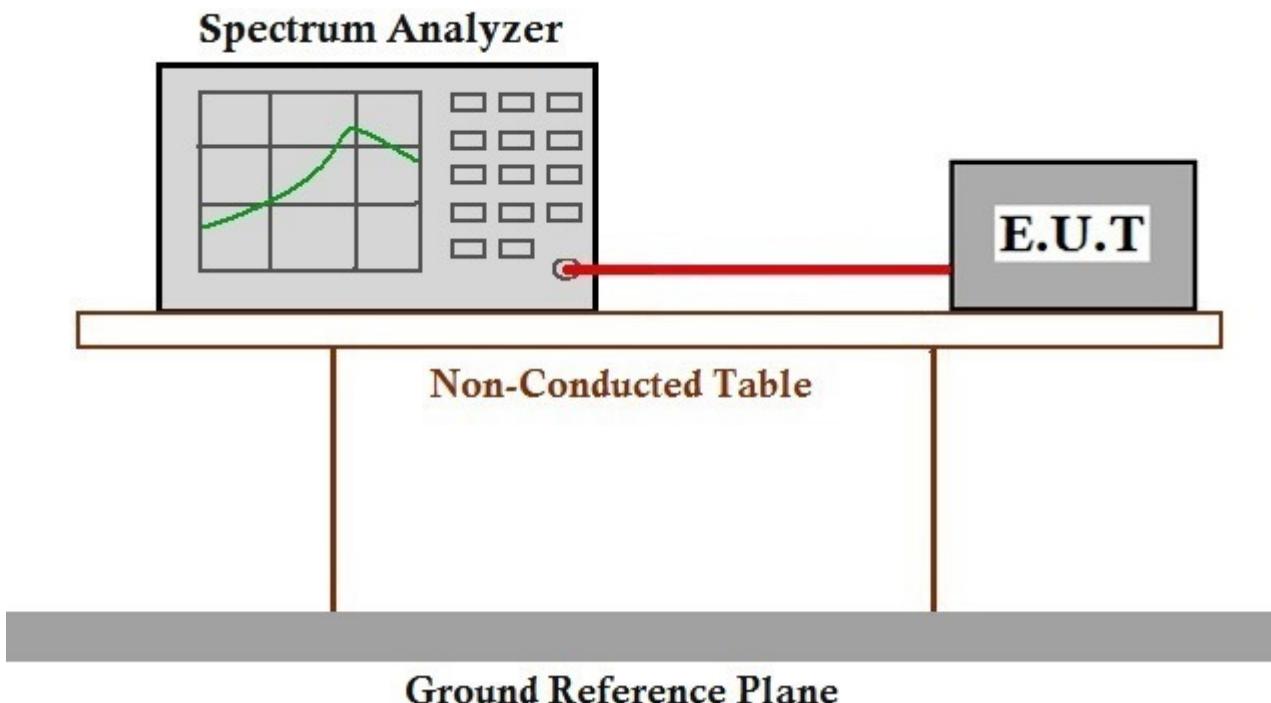
### 7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 24.3 °C Humidity: 53.8 % RH Atmospheric Pressure: 1010 mbar

Test mode j: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 C 15.407 (a)

Test Method: KDB 789033 D02 II E

Limit:

Frequency band(MHz)	Limit
5150-5250	≤1W(30dBm) for master device
	≤250mW(24dBm) for client device
5250-5350	≤250mW(24dBm) for client device or $11\text{dBm}+10\log B^*$
5470-5725	≤250mW(24dBm) for client device or $11\text{dBm}+10\log B^*$
5725-5850	≤1W(30dBm)
Remark:	* Where B is the 26dB emission bandwidth in MHz. The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.

### 7.6.1 E.U.T. Operation

Operating Environment:

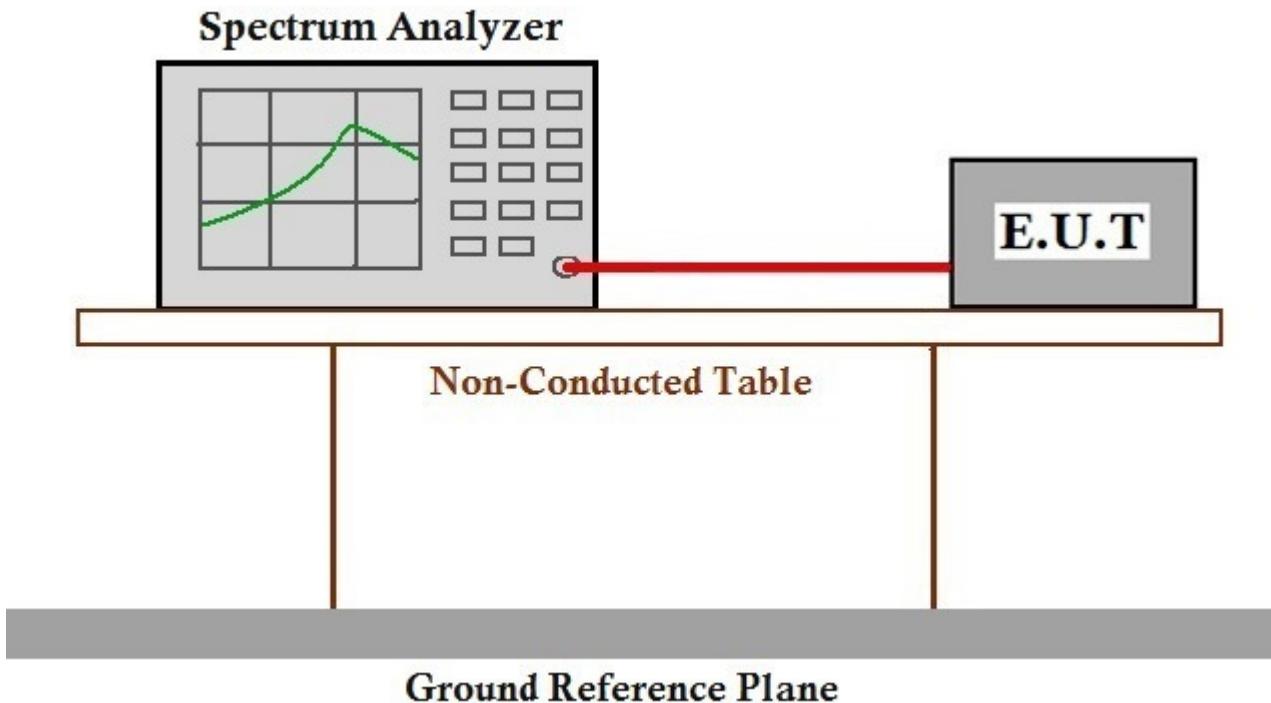
Temperature: 24.3 °C      Humidity: 47 % RH      Atmospheric Pressure: 1015 mbar

Test mode: g: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 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.

i: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.

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

**7.6.2 Test Setup Diagram****7.6.3 Measurement Procedure and Data**

The detailed test data see: Appendix 15.407

## 7.7 Peak Power spectrum density

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

Test Method: KDB 789033 D02 II F

Limit:

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

### 7.7.1 E.U.T. Operation

Operating Environment:

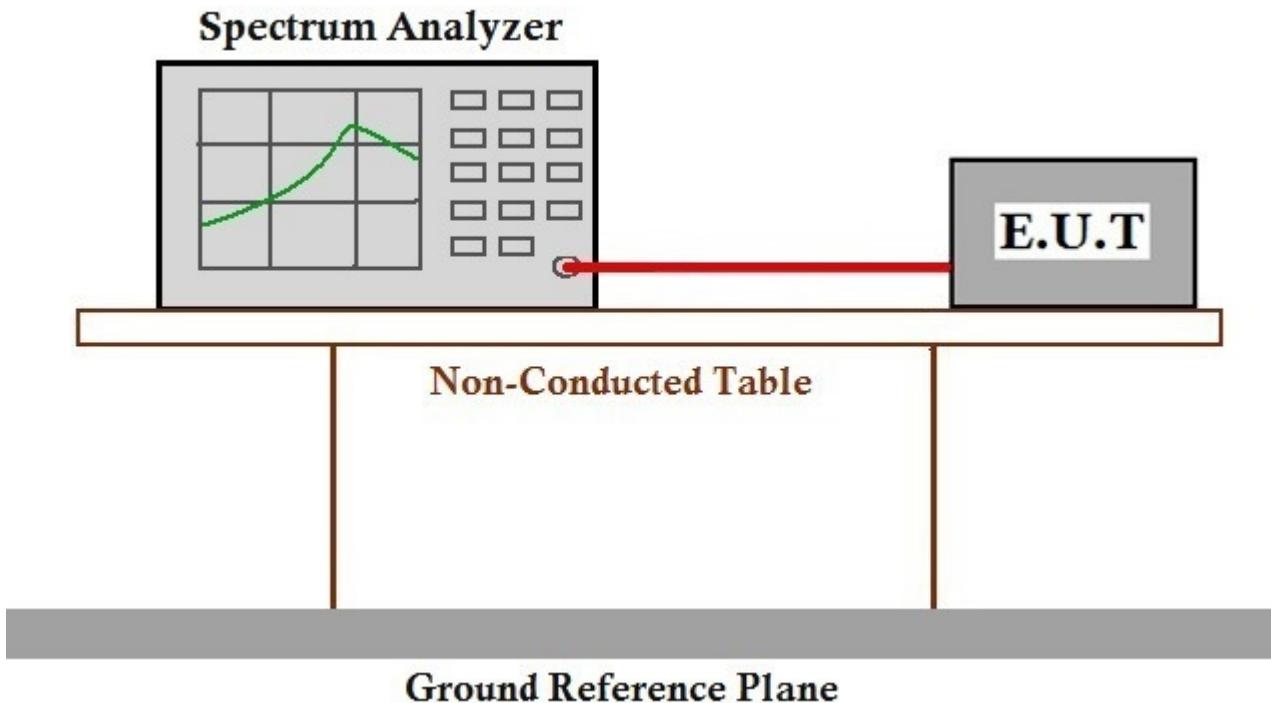
Temperature: 24.3 °C      Humidity: 47 % RH      Atmospheric Pressure: 1015 mbar

Test mode: g: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 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.

i: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.

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

**7.7.2 Test Setup Diagram****7.7.3 Measurement Procedure and Data**

The detailed test data see: Appendix 15.407

## **7.8 DFS: Non-occupancy period**

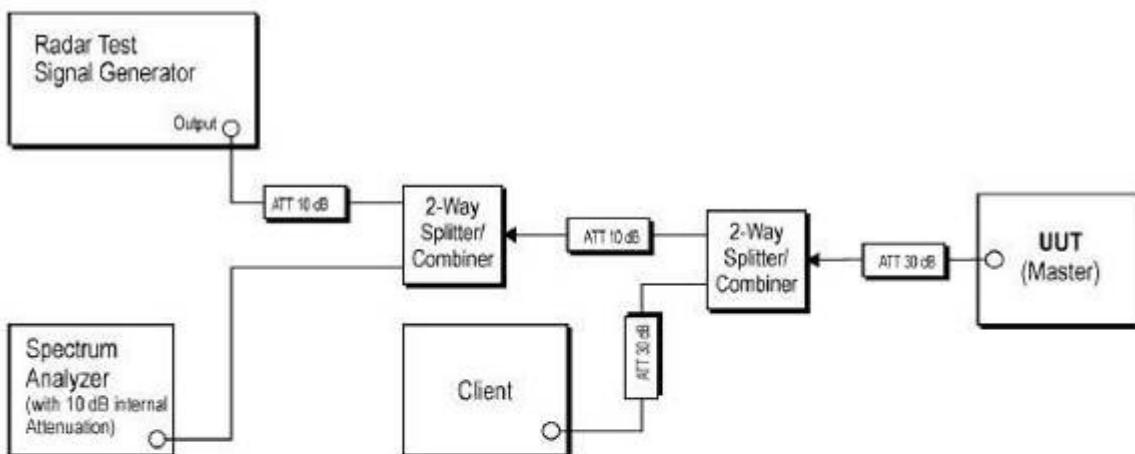
Test Requirement KDB 905462 D02 Section 5.1  
Test Method: KDB 905462 D02 Section 7.8.3  
Limit: Minimum 30 minutes

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

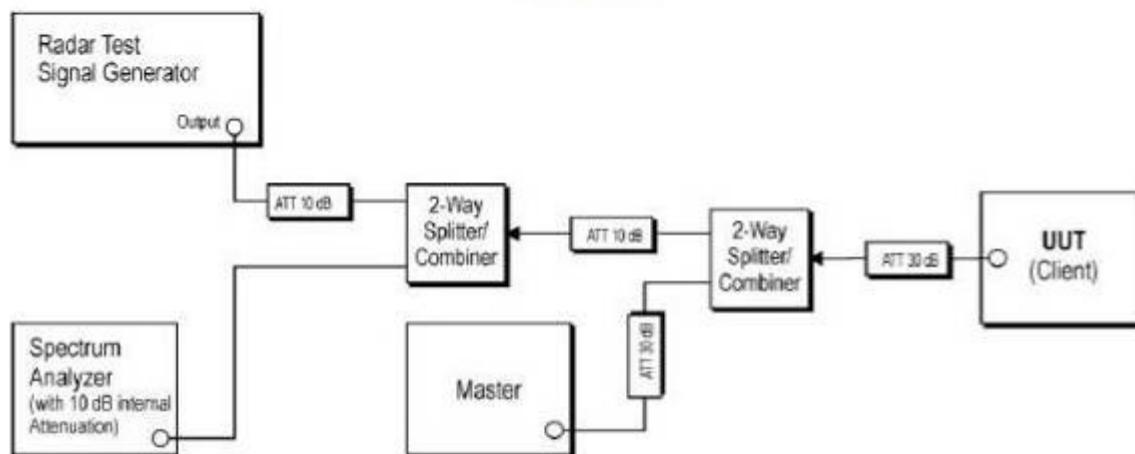
Operating Environment:

Temperature: 22 °C Humidity: 44.9 % RH Atmospheric Pressure: 1015 mbar  
Test mode: h: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.  
i: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.

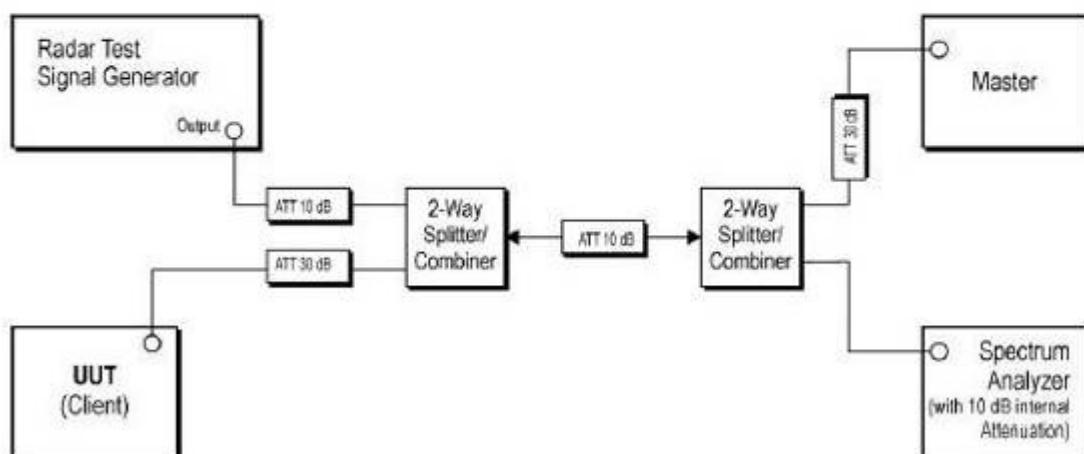
### 7.8.2 Test Setup Diagram



DFS master



DFS slave with radar detection



DFS slave without radar detection

### **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) =  $N$  X Dwell (0.3ms); where  $C$  is the Closing Time,  $N$  is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.
- 8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

The detailed test data see: Appendix 15.407

## 7.9 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)

### 7.9.1 E.U.T. Operation

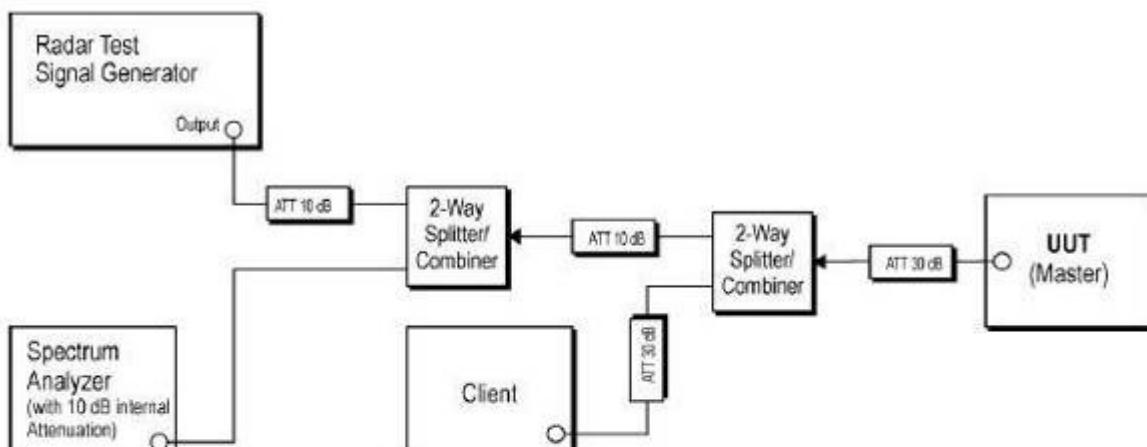
Operating Environment:

Temperature: 22 °C Humidity: 45 % RH Atmospheric Pressure: 1015 mbar

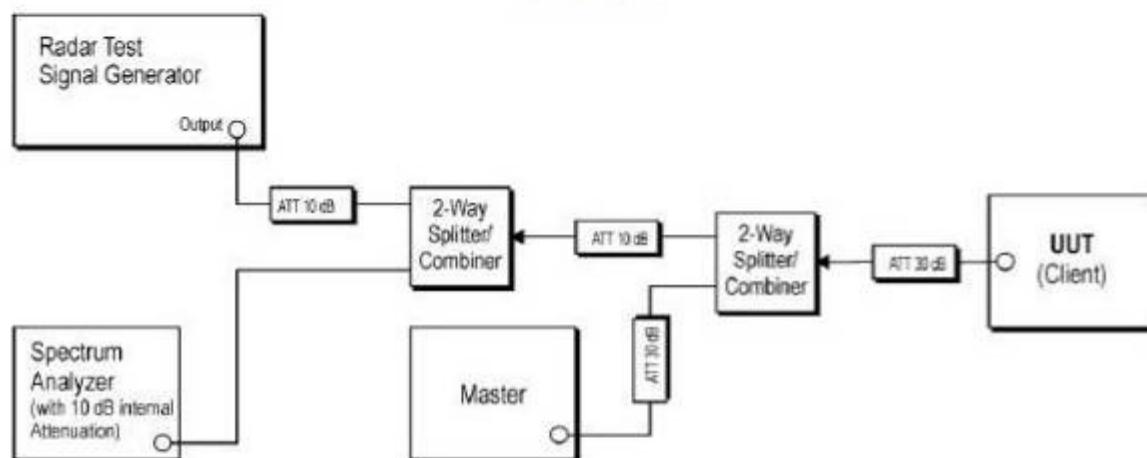
Pretest these modes to find the worst case: h:TX mode (Band 2A)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of 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.

i: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.

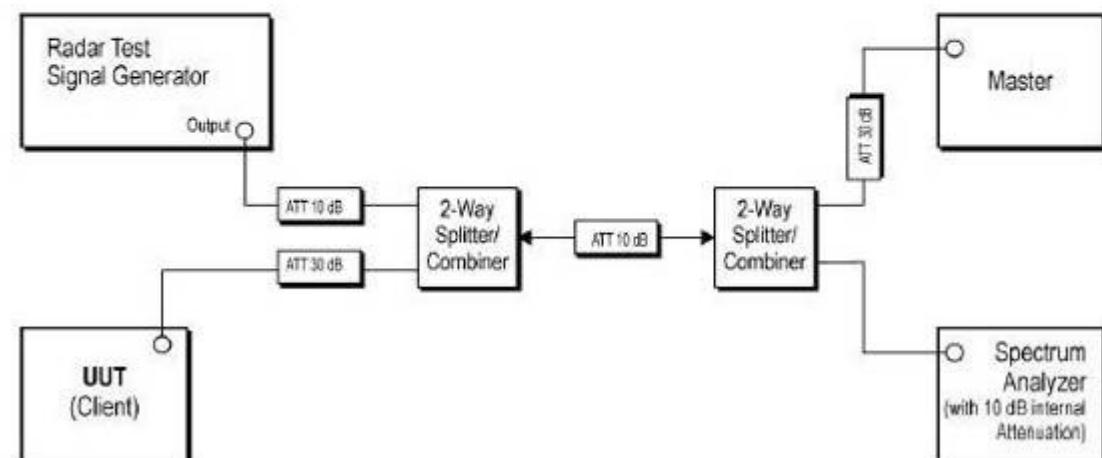
## 7.9.2 Test Setup Diagram



DFS master



DFS slave with radar detection



DFS slave without radar detection

### **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) =  $N$  X Dwell (0.3ms); where  $C$  is the Closing Time,  $N$  is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.
- 8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

The detailed test data see: Appendix 15.407

## 7.10 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)

### 7.10.1 E.U.T. Operation

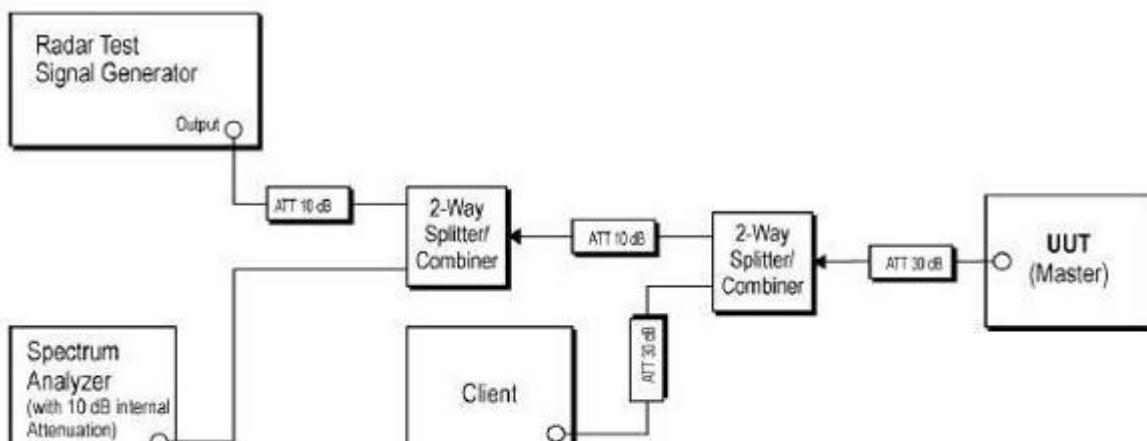
#### Operating Environment:

Temperature: 22 °C      Humidity: 45.5 % RH      Atmospheric Pressure: 1015 mbar

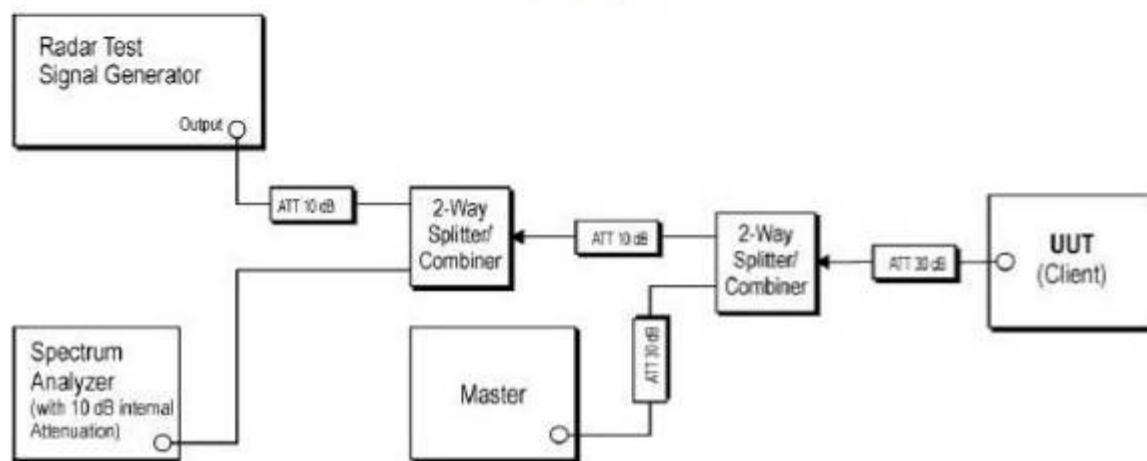
Test mode: h:TX mode (Band 2A)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0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

i: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.

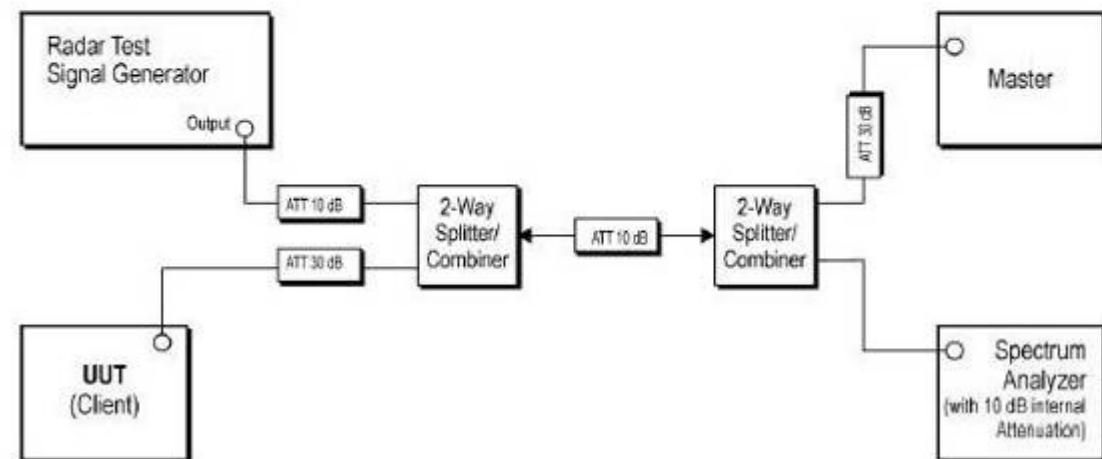
### 7.10.2 Test Setup Diagram



DFS master



DFS slave with radar detection



DFS slave without radar detection

### **7.10.3 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) =  $N$  X Dwell (0.3ms); where  $C$  is the Closing Time,  $N$  is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.
- 8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

The detailed test data see: Appendix 15.407

## **7.11 Radiated Emissions**

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

Test Method: KDB 789033 D02 II G

Measurement Distance: 10m

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

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

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

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

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

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

### 7.11.1 E.U.T. Operation

#### Operating Environment:

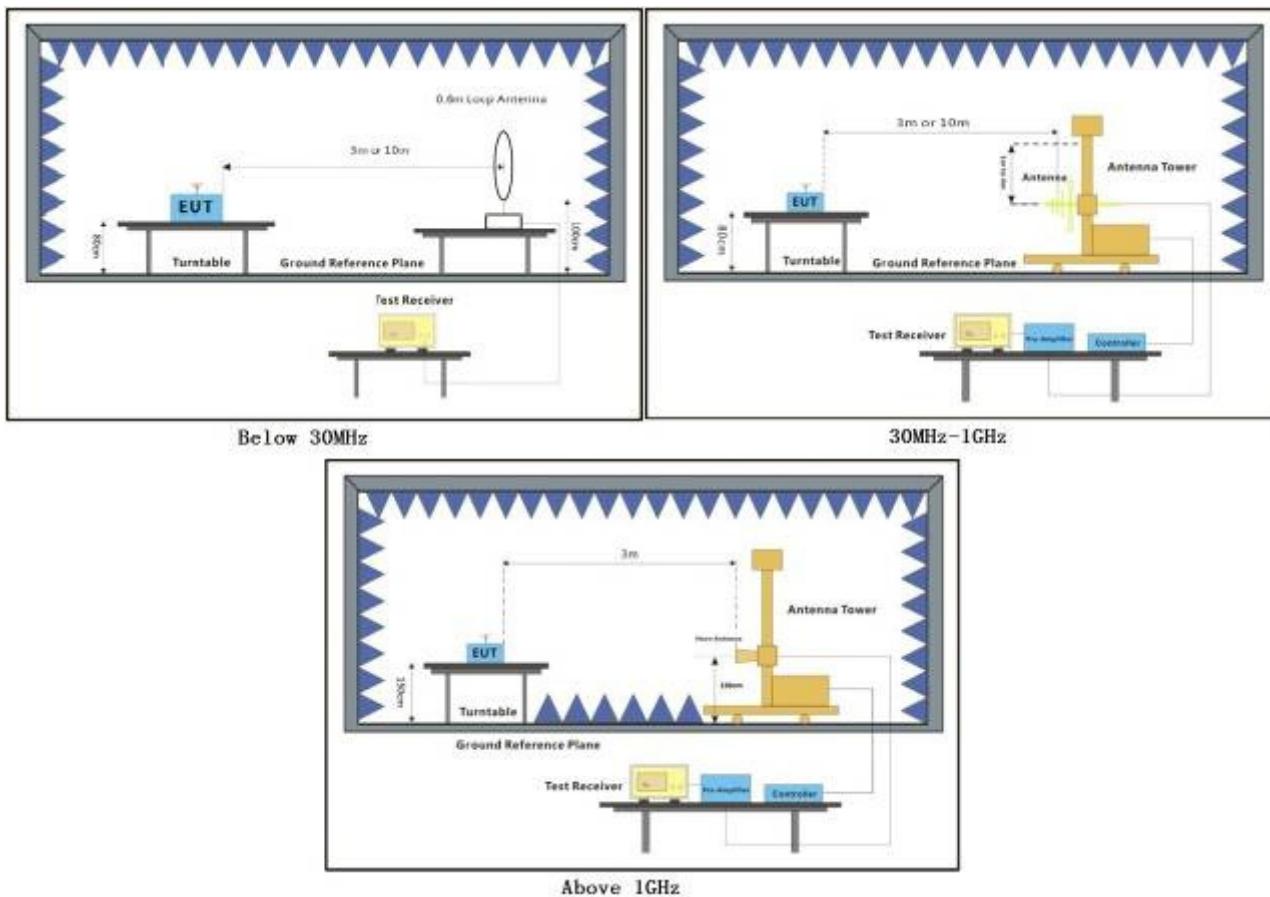
Temperature: 25 °C      Humidity: 51 % RH      Atmospheric Pressure: 1015 mbar

Test mode: g: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 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.

i: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.

j: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.

**7.11.2 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:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. For emission below 1GHz, through the pre-scan found the worst case is the lowest channel of 802.11a. Only the worst case is recorded in the report.
3. Scan from 9kHz to 40GHz, the disturbance above 18GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
4. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

### Radiated emission below 1GHz

The test was performed at a 10m test site. According to below formulate and the test data at 10m test distance,

$$L_3 / L_{10} = D_{10} / D_3$$

Note:

$L_3$ : Level @ 3m distance. Unit: uV/m;

$L_{10}$ : Level @ 10m distance. Unit: uV/m;

$D_3$ : 3m distance. Unit: m

$D_{10}$ : 10m distance. Unit: m

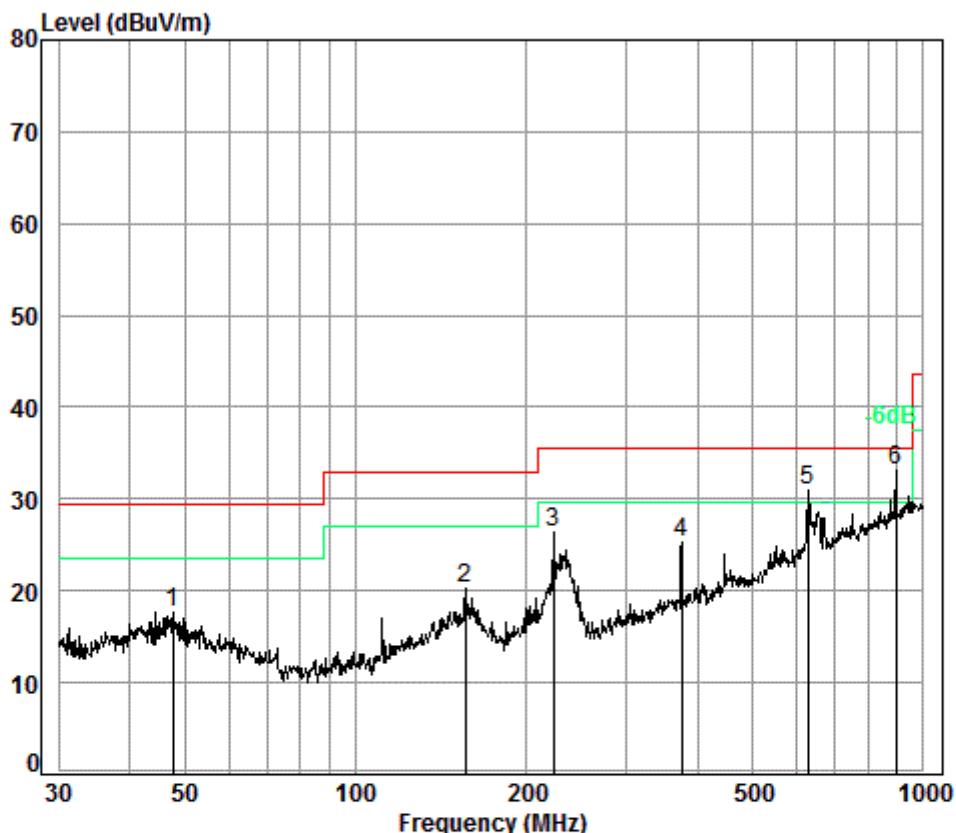
The level at 3m test distance is below:

Mode g:

Frequency (MHz)	Level @ 10m (dBuV/m)	Level @ 10m (uV/m)	Level @ 3m (uV/m)	Level @ 3m (dBuV/m)	Limit @ 3m (dBuV/m)	Margin (dB)	Ant. Polarization
50.26	24.32	16.44	54.81	34.78	40.00	-5.22	V
111.52	25.88	19.68	65.60	36.34	43.50	-7.16	V
222.95	29.72	30.62	102.07	40.18	46.00	-5.82	V
375.6	22.25	12.96	43.19	32.71	46.00	-13.29	V
669.12	28.63	27.01	90.03	39.09	46.00	-6.91	V
893.46	28.8	27.54	91.81	39.26	46.00	-6.74	V
47.659	17.71	7.68	25.61	28.17	40.00	-11.83	H
155.81	20.21	10.24	34.15	30.67	43.50	-12.83	H
222.98	26.29	20.63	68.77	36.75	46.00	-9.25	H
376.01	25.37	18.56	61.86	35.83	46.00	-10.17	H
625.33	31.04	35.65	118.82	41.50	46.00	-4.50	H
894.50	32.05	40.04	133.47	42.51	46.00	-3.49	H

Remark: 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, first of all, performed all of the test at SISO mode, each antenna was tested separately; then performed all of the test at MIMO mode, two antennas were transmitting simultaneously. At last, found the MIMO mode is the worst case, so only record the worst case in the report.

Mode:g; Polarization:Horizontal



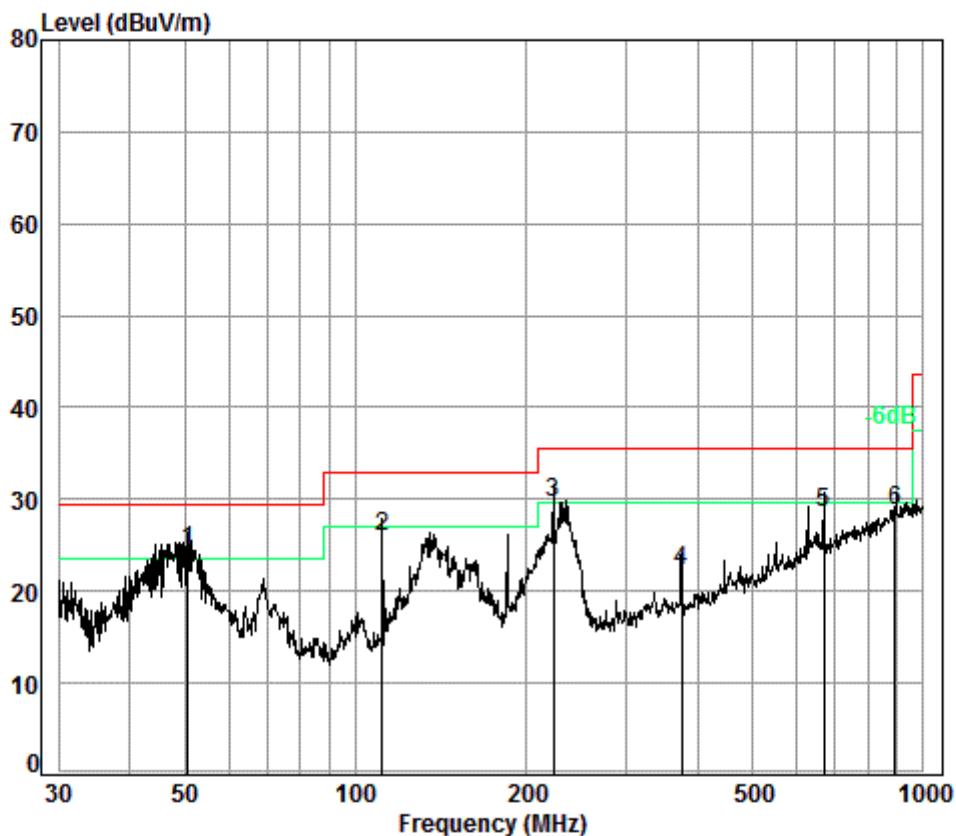
Condition: 10m HORIZONTAL

Job No. : 02324CR

Test Mode: g

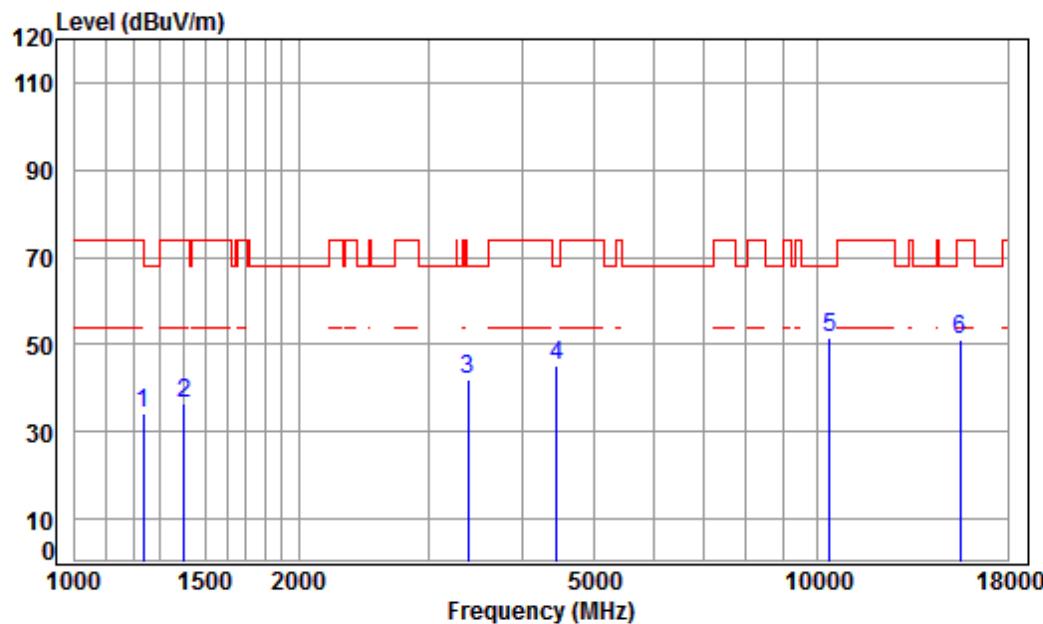
Freq	Cable	Ant	Preamp	Read	Limit	Over		
	Loss	Factor	Factor	Level			Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	47.66	6.85	12.83	32.52	30.55	17.71	29.50	-11.79
2	155.81	7.48	13.40	32.51	31.84	20.21	33.00	-12.79
3	222.98	7.72	10.35	32.51	40.73	26.29	35.60	-9.31
4	376.01	8.30	14.41	32.43	35.09	25.37	35.60	-10.23
5	625.33	8.96	19.22	32.40	35.26	31.04	35.60	-4.56
6 pp	894.50	9.50	22.15	31.58	31.98	32.05	35.60	-3.55

Mode:g; Polarization:Vertical



**Transmitter emission above 1GHz****Band I:**

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



Condition: 3m HORIZONTAL

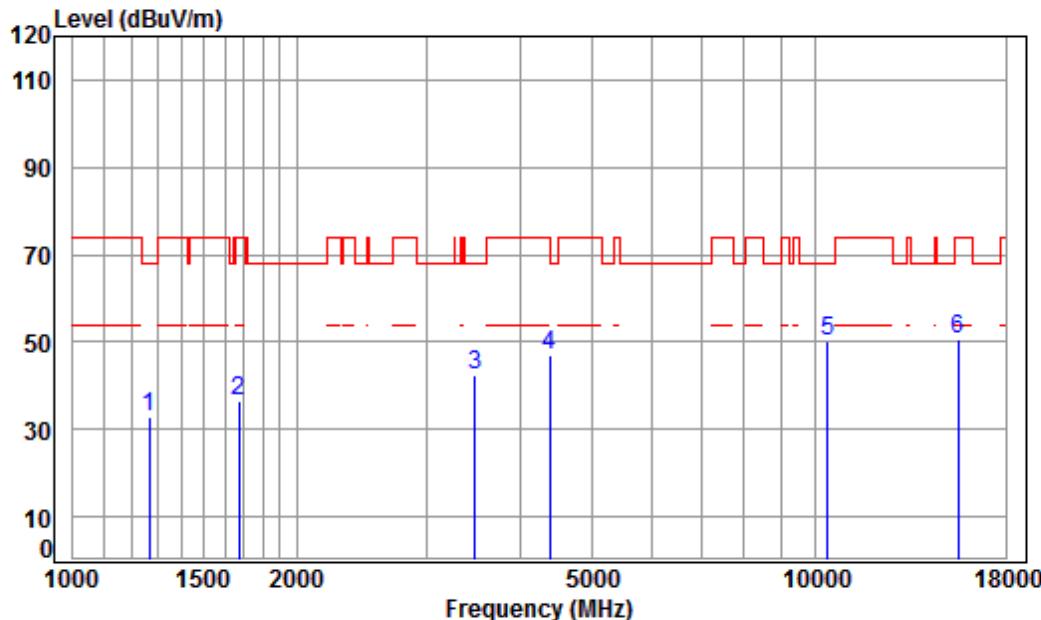
Job No : 02324CR

Mode : 5180 TX RSE

Note : 5G WIFI 11A

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level				
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1234.909	4.55	24.74	41.21	46.06	34.14	74.00	-39.86 peak
2	1402.384	5.16	25.43	41.34	47.33	36.58	74.00	-37.42 peak
3	3376.523	6.35	31.51	42.19	46.11	41.78	68.20	-26.42 peak
4	4456.315	7.51	33.53	42.41	46.64	45.27	68.20	-22.93 peak
5	pp10360.000	11.19	37.76	37.45	39.97	51.47	68.20	-16.73 peak
6	15540.000	14.30	40.72	39.00	35.27	51.29	74.00	-22.71 peak

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



Condition: 3m VERTICAL

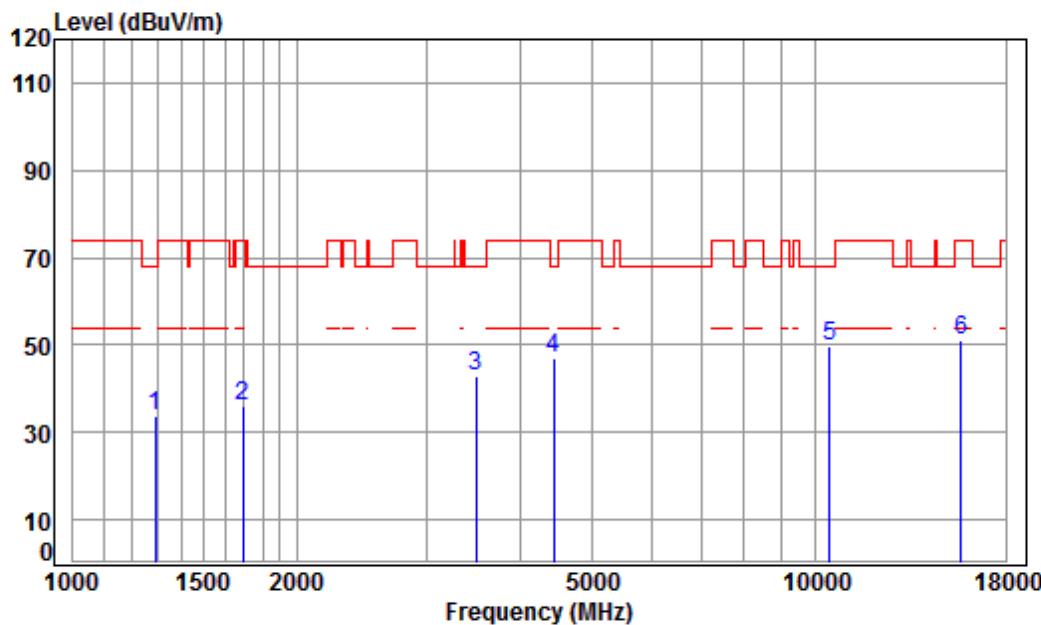
Job No : 02324CR

Mode : 5180 TX RSE

Note : 5G WIFI 11A

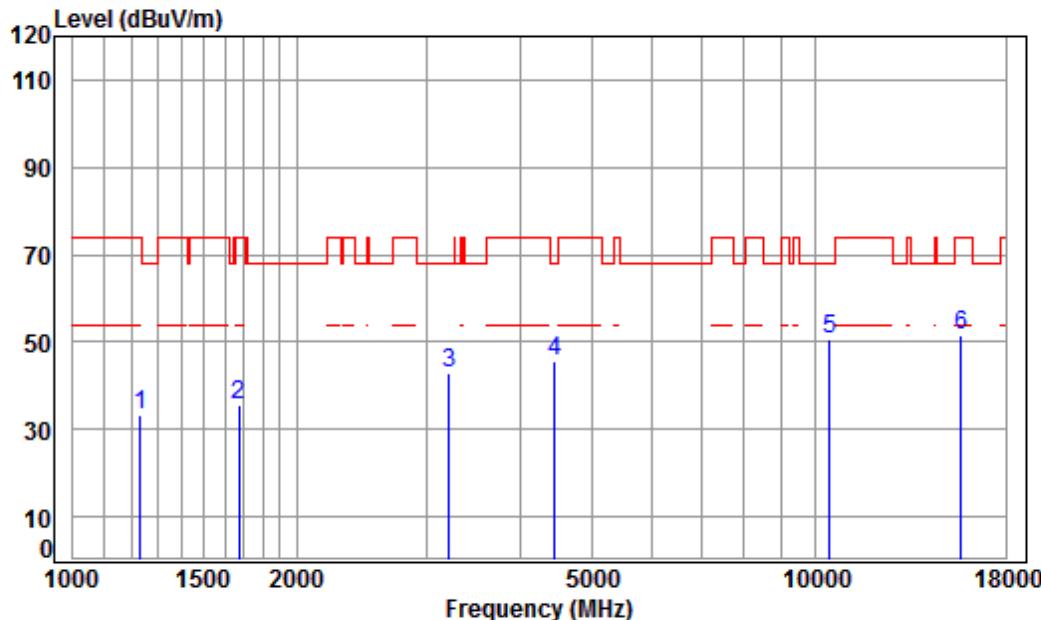
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1267.454	4.68	24.89	41.24	44.48	32.81	68.20	-35.39	peak
2	1672.779	5.26	26.56	41.52	46.24	36.54	74.00	-37.46	peak
3	3475.541	6.44	31.66	42.22	46.74	42.62	68.20	-25.58	peak
4	4379.699	7.43	33.39	42.40	48.64	47.06	74.00	-26.94	peak
5	pp10360.000	11.19	37.76	37.45	38.83	50.33	68.20	-17.87	peak
6	15540.000	14.30	40.72	39.00	34.52	50.54	74.00	-23.46	peak

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



	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1289.627	4.76	24.98	41.25	45.09	33.58	68.20	-34.62	peak
2	1692.231	5.24	26.64	41.53	45.89	36.24	74.00	-37.76	peak
3	3485.601	6.45	31.68	42.22	47.00	42.91	68.20	-25.29	peak
4	4430.628	7.48	33.48	42.41	48.47	47.02	68.20	-21.18	peak
5	pp10440.000	11.25	37.72	37.51	38.21	49.67	68.20	-18.53	peak
6	15660.000	14.48	40.80	39.11	34.80	50.97	74.00	-23.03	peak

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



Condition: 3m VERTICAL

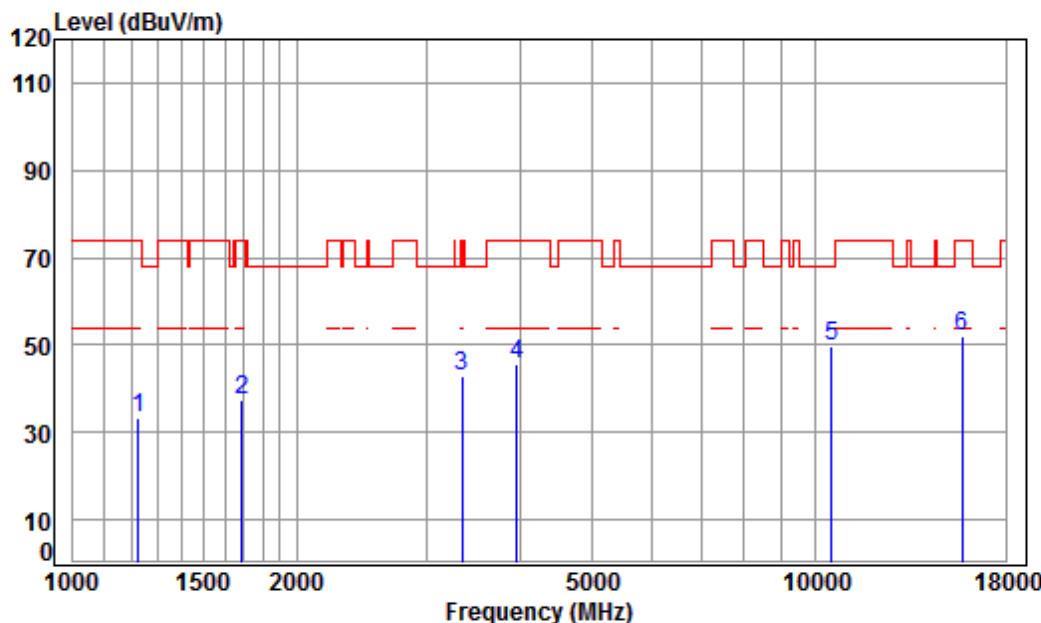
Job No : 02324CR

Mode : 5220 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1231.345	4.54	24.73	41.21	45.44	33.50	74.00	-40.50	peak
2	1672.779	5.26	26.56	41.52	45.19	35.49	74.00	-38.51	peak
3	3205.345	6.19	31.24	42.15	47.41	42.69	68.20	-25.51	peak
4	4456.315	7.51	33.53	42.41	46.98	45.61	68.20	-22.59	peak
5	pp10440.000	11.25	37.72	37.51	39.15	50.61	68.20	-17.59	peak
6	15660.000	14.48	40.80	39.11	35.56	51.73	74.00	-22.27	peak

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



Condition: 3m HORIZONTAL

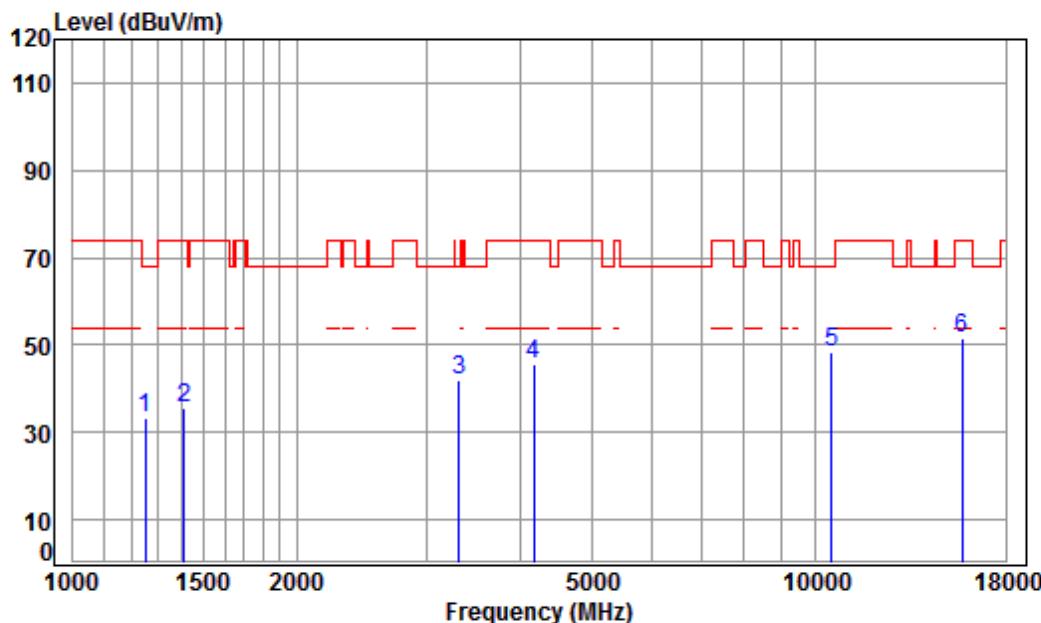
Job No : 02324CR

Mode : 5240 TX RSE

Note : 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line Limit	Remark
					dB	dBuV	dBuV/m	dBuV/m
1 1224.247	4.51	24.70	41.20	45.40	33.41	74.00	-40.59	peak
2 1687.347	5.24	26.62	41.52	47.02	37.36	74.00	-36.64	peak
3 3337.710	6.31	31.45	42.18	47.14	42.72	74.00	-31.28	peak
4 3958.309	6.94	32.62	42.32	48.22	45.46	74.00	-28.54	peak
5 pp10480.000	11.28	37.71	37.53	38.28	49.74	68.20	-18.46	peak
6 15720.000	14.57	40.83	39.17	35.59	51.82	74.00	-22.18	peak

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



Condition: 3m VERTICAL

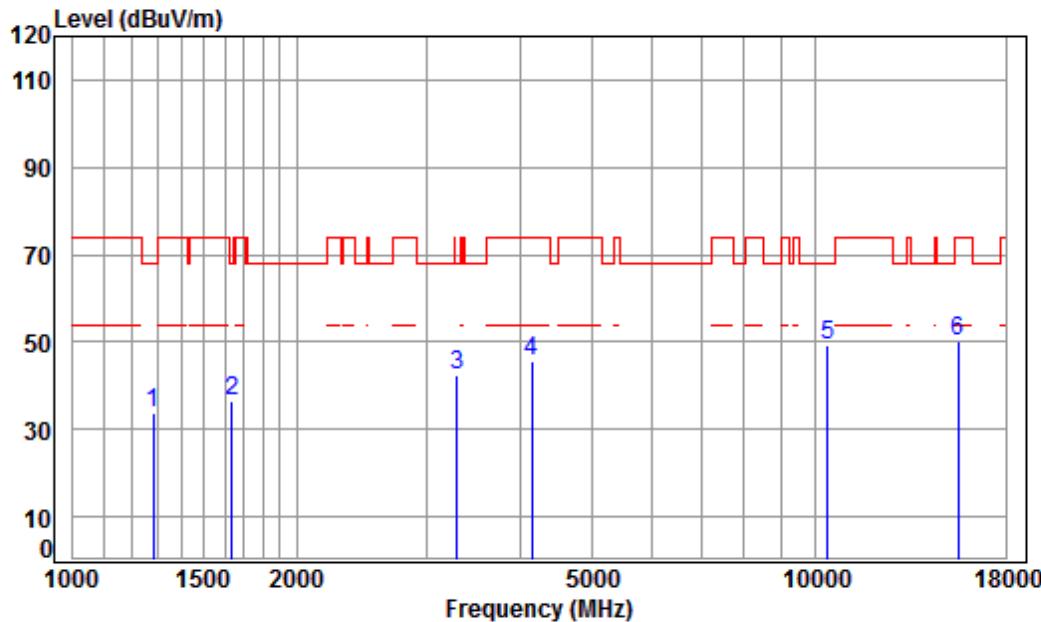
Job No : 02324CR

Mode : 5240 TX RSE

Note : 5G WIFI 11A

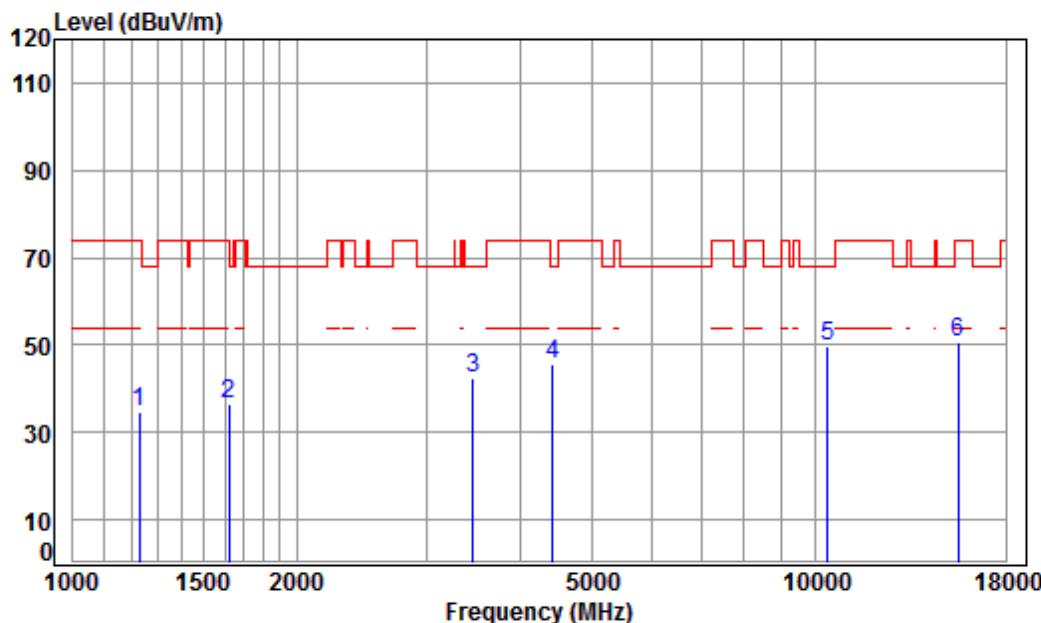
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1252.885	4.62	24.82	41.23	44.93	33.14	68.20	-35.06	peak
2	1410.514	5.19	25.47	41.34	46.30	35.62	74.00	-38.38	peak
3	3308.894	6.29	31.41	42.18	46.66	42.18	68.20	-26.02	peak
4	4169.698	7.18	33.02	42.36	47.67	45.51	74.00	-28.49	peak
5	pp10480.000	11.28	37.71	37.53	37.07	48.53	68.20	-19.67	peak
6	15720.000	14.57	40.83	39.17	35.20	51.43	74.00	-22.57	peak

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



	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.193	4.73	24.95	41.25	45.27	33.70	68.20	-34.50	peak
2	1639.274	5.30	26.42	41.49	46.07	36.30	68.20	-31.90	peak
3	3289.821	6.27	31.38	42.17	46.97	42.45	68.20	-25.75	peak
4	4145.664	7.16	32.97	42.35	47.99	45.77	74.00	-28.23	peak
5	pp10360.000	11.19	37.76	37.45	37.82	49.32	68.20	-18.88	peak
6	15540.000	14.30	40.72	39.00	34.33	50.35	74.00	-23.65	peak

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



Condition: 3m VERTICAL

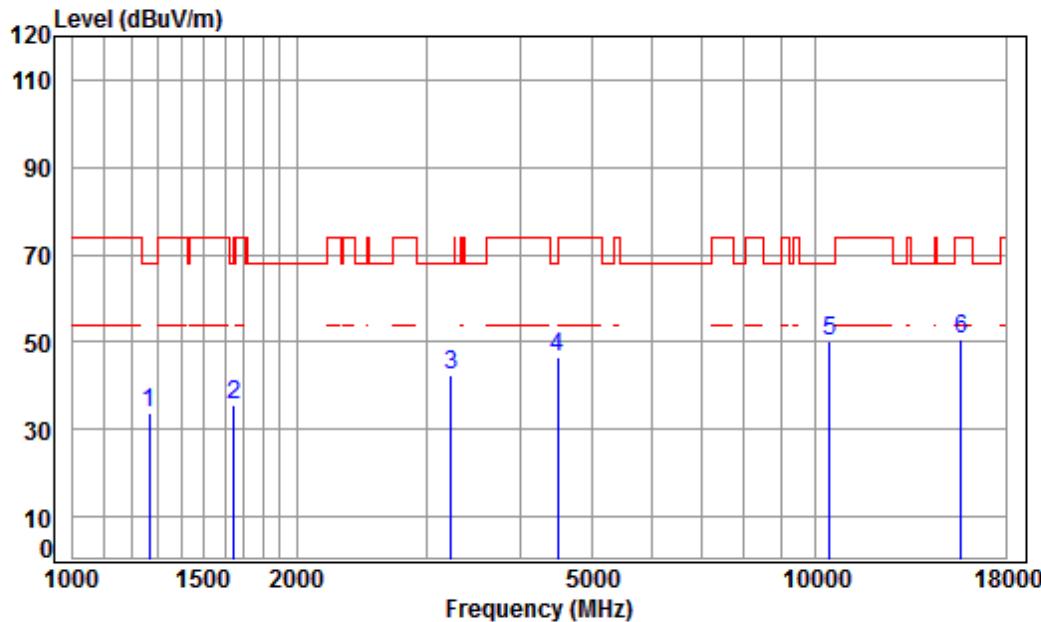
Job No : 02324CR

Mode : 5180 TX RSE

Note : 5G WIFI 11N20

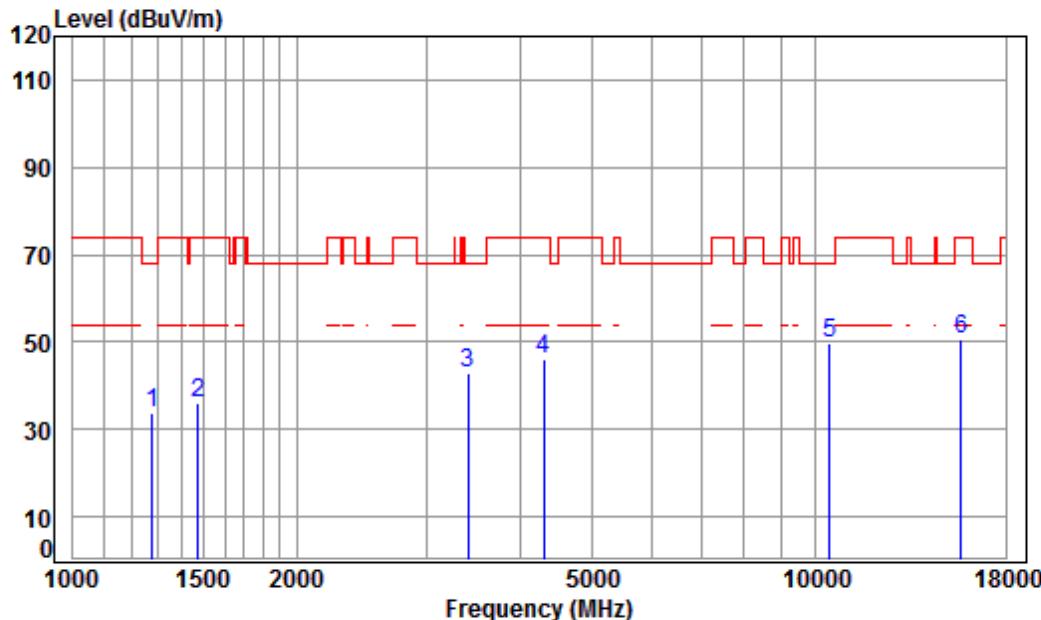
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1227.791	4.53	24.71	41.21	46.67	34.70	74.00	-39.30	peak
2	1620.431	5.32	26.34	41.48	46.14	36.32	74.00	-37.68	peak
3	3455.508	6.42	31.63	42.21	46.75	42.59	68.20	-25.61	peak
4	4417.841	7.47	33.46	42.40	47.20	45.73	68.20	-22.47	peak
5	pp10360.000	11.19	37.76	37.45	38.23	49.73	68.20	-18.47	peak
6	15540.000	14.30	40.72	39.00	34.46	50.48	74.00	-23.52	peak

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



	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1267.454	4.68	24.89	41.24	45.27	33.60	68.20	-34.60	peak
2	1648.778	5.29	26.46	41.50	45.12	35.37	68.20	-32.83	peak
3	3233.260	6.21	31.29	42.16	47.27	42.61	68.20	-25.59	peak
4	4495.125	7.55	33.59	42.42	47.69	46.41	68.20	-21.79	peak
5	pp10440.000	11.25	37.72	37.51	38.66	50.12	68.20	-18.08	peak
6	15660.000	14.48	40.80	39.11	34.64	50.81	74.00	-23.19	peak

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



Condition: 3m VERTICAL

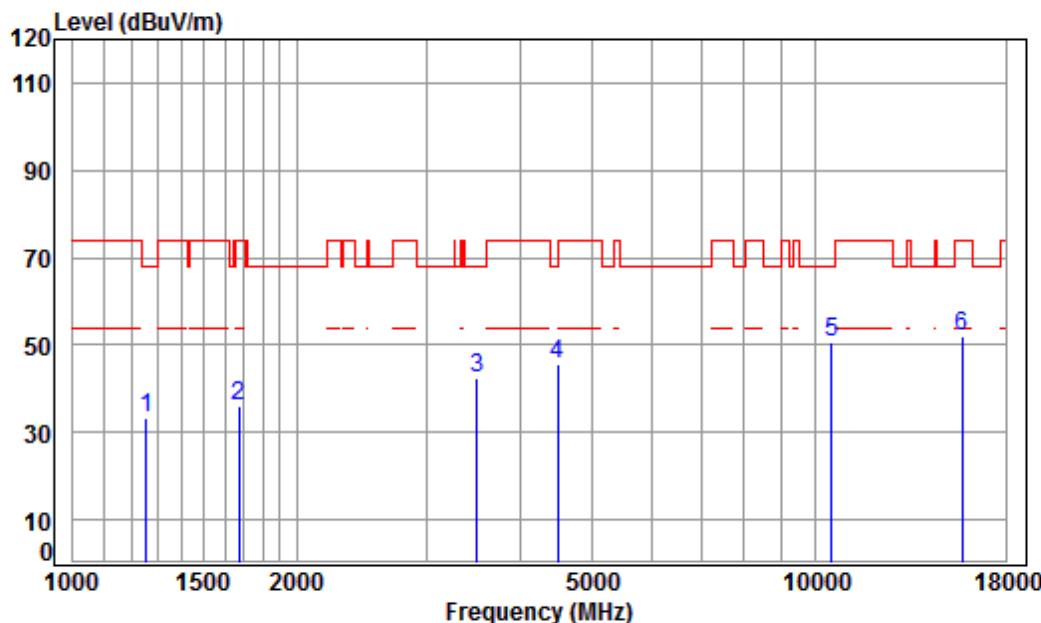
Job No : 02324CR

Mode : 5220 TX RSE

Note : 5G WIFI 11N20

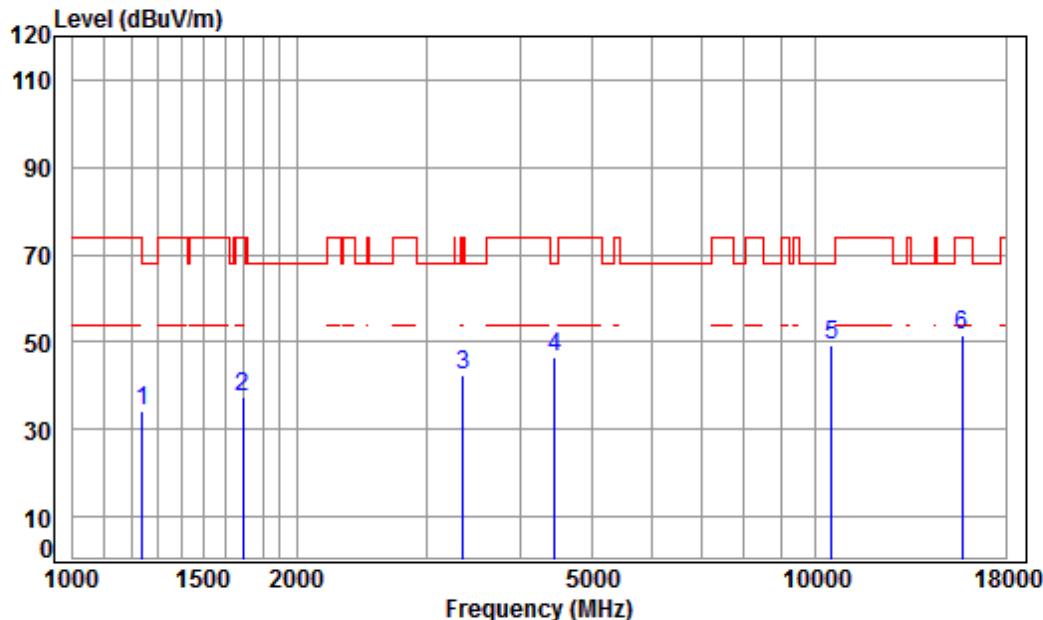
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1278.492	4.72	24.93	41.25	45.52	33.92	68.20	-34.28	peak
2	1473.013	5.39	25.70	41.39	46.20	35.90	74.00	-38.10	peak
3	3405.929	6.38	31.56	42.20	47.00	42.74	68.20	-25.46	peak
4	4304.400	7.34	33.26	42.38	47.67	45.89	74.00	-28.11	peak
5	pp10440.000	11.25	37.72	37.51	38.29	49.75	68.20	-18.45	peak
6	15660.000	14.48	40.80	39.11	34.62	50.79	74.00	-23.21	peak

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



	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1256.512	4.64	24.84	41.23	45.13	33.38	68.20	-34.82	peak
2	1672.779	5.26	26.56	41.52	45.56	35.86	74.00	-38.14	peak
3	3495.691	6.46	31.69	42.22	46.39	42.32	68.20	-25.88	peak
4	4495.125	7.55	33.59	42.42	47.01	45.73	68.20	-22.47	peak
5	pp10480.000	11.28	37.71	37.53	39.09	50.55	68.20	-17.65	peak
6	15720.000	14.57	40.83	39.17	35.77	52.00	74.00	-22.00	peak

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



Condition: 3m VERTICAL

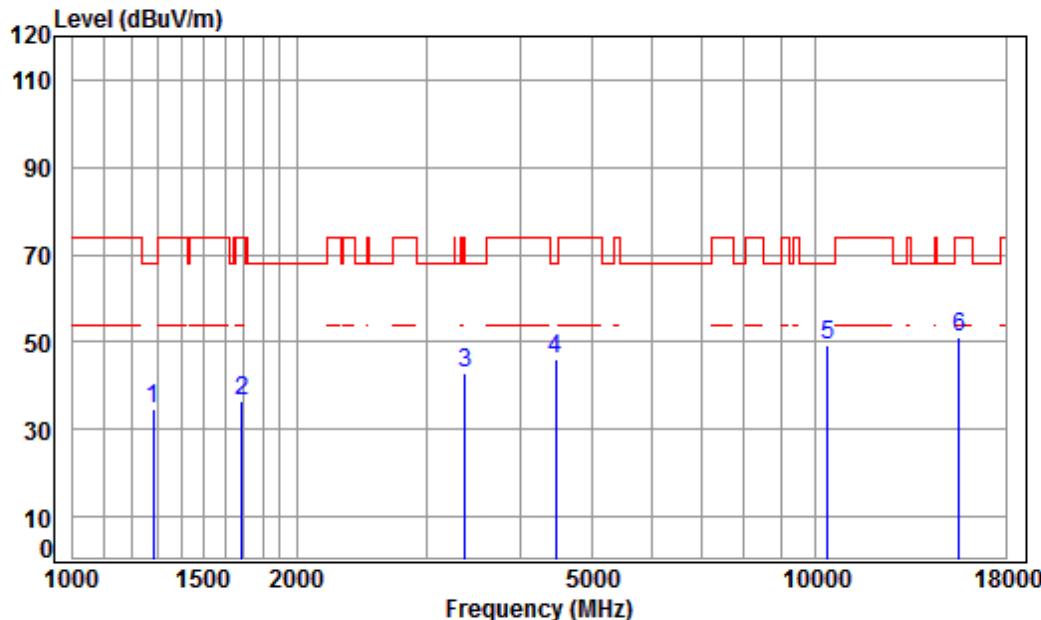
Job No : 02324CR

Mode : 5240 TX RSE

Note : 5G WIFI 11N20

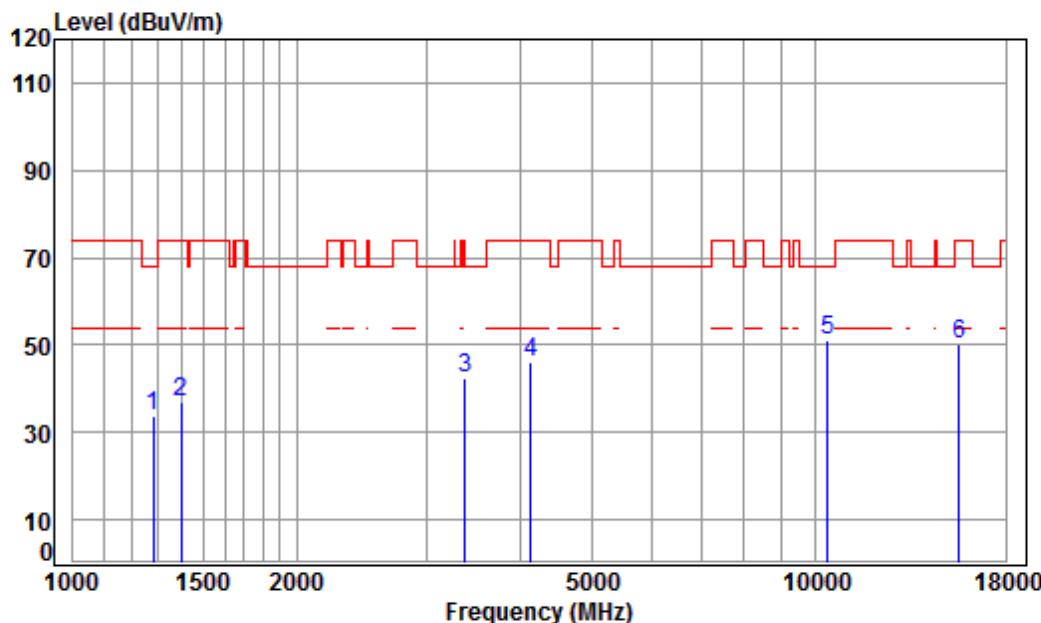
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1238.483	4.57	24.76	41.21	46.28	34.40	74.00	-39.60	peak
2	1692.231	5.24	26.64	41.53	46.90	37.25	74.00	-36.75	peak
3	3347.371	6.32	31.47	42.19	46.71	42.31	74.00	-31.69	peak
4	4456.315	7.51	33.53	42.41	47.91	46.54	68.20	-21.66	peak
5	pp10480.000	11.28	37.71	37.53	37.92	49.38	68.20	-18.82	peak
6	15720.000	14.57	40.83	39.17	35.10	51.33	74.00	-22.67	peak

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



	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.193	4.73	24.95	41.25	46.24	34.67	68.20	-33.53	peak
2	1687.347	5.24	26.62	41.52	46.00	36.34	74.00	-37.66	peak
3	3366.778	6.34	31.50	42.19	47.04	42.69	68.20	-25.51	peak
4	4469.214	7.53	33.55	42.41	47.49	46.16	68.20	-22.04	peak
5	pp10380.000	11.21	37.75	37.47	37.87	49.36	68.20	-18.84	peak
6	15570.000	14.35	40.74	39.03	34.85	50.91	74.00	-23.09	peak

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



Condition: 3m VERTICAL

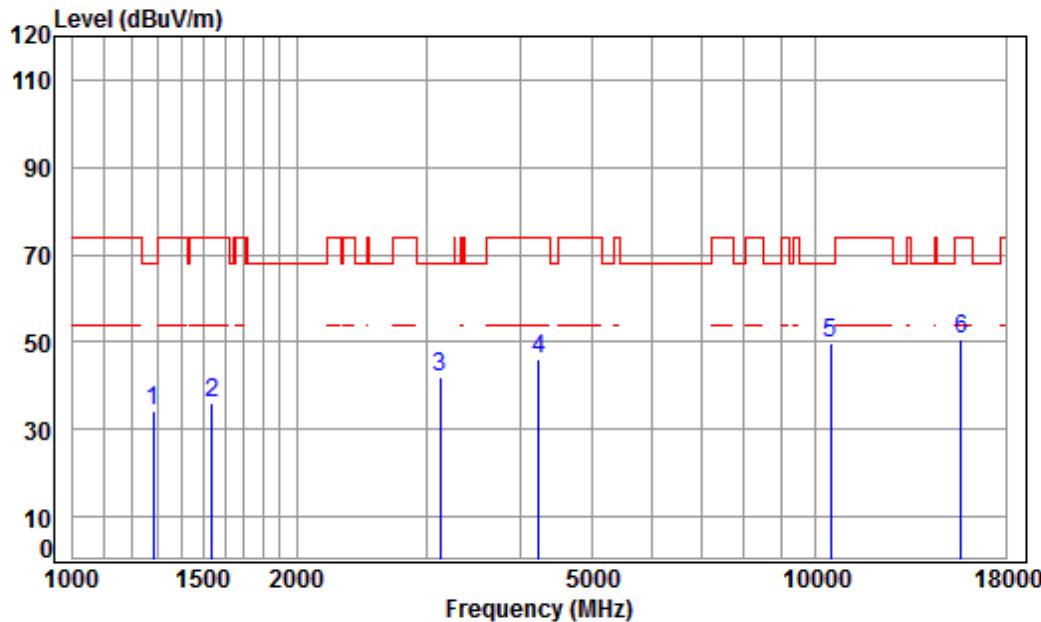
Job No : 02324CR

Mode : 5190 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.193	4.73	24.95	41.25	45.17	33.60	68.20	-34.60	peak
2	1398.336	5.15	25.42	41.34	47.61	36.84	74.00	-37.16	peak
3	3366.778	6.34	31.50	42.19	46.81	42.46	68.20	-25.74	peak
4	4133.699	7.14	32.95	42.35	48.13	45.87	74.00	-28.13	peak
5	pp10380.000	11.21	37.75	37.47	39.54	51.03	68.20	-17.17	peak
6	15570.000	14.35	40.74	39.03	33.98	50.04	74.00	-23.96	peak

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



Condition: 3m HORIZONTAL

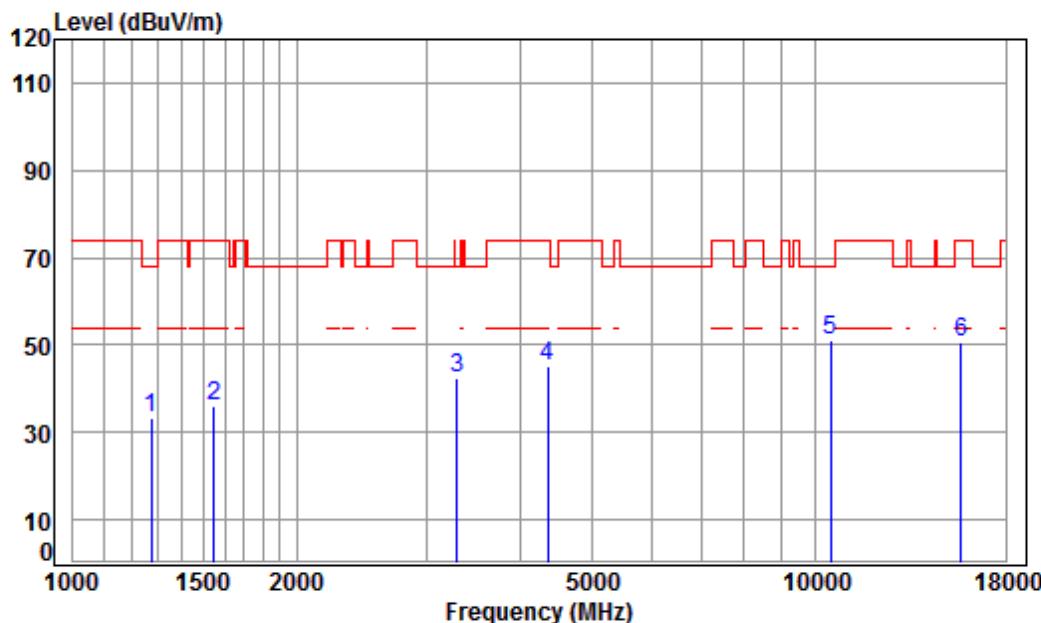
Job No : 02324CR

Mode : 5230 TX RSE

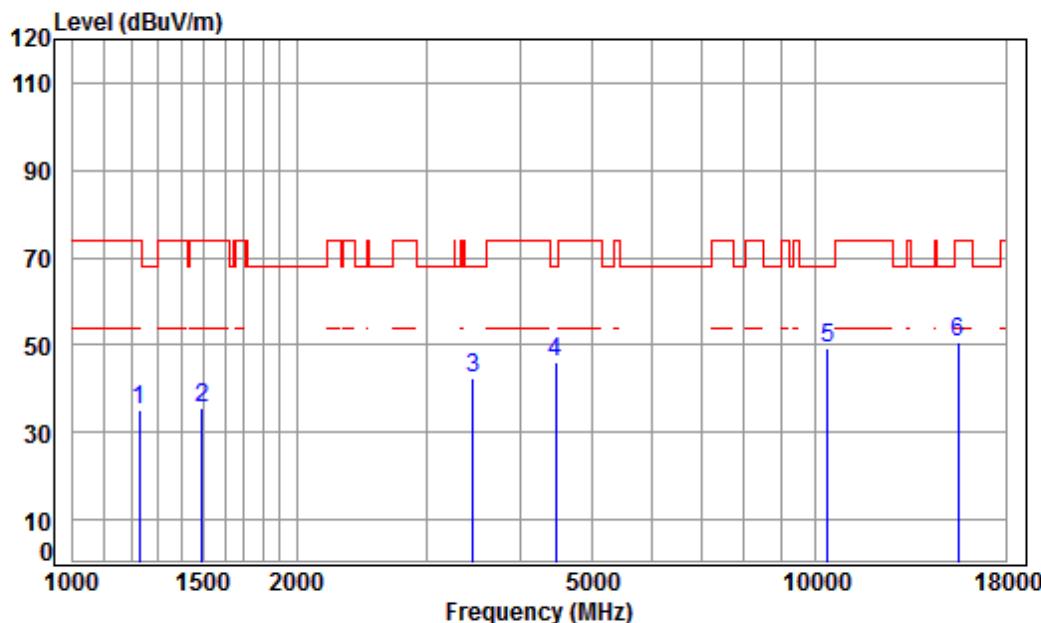
Note : 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1282.193	4.73	24.95	41.25	45.77	34.20	68.20	-34.00	peak
2	1538.281	5.43	25.98	41.43	46.20	36.18	74.00	-37.82	peak
3	3123.039	6.11	31.11	42.13	46.99	42.08	68.20	-26.12	peak
4	4230.396	7.26	33.13	42.37	47.93	45.95	74.00	-28.05	peak
5	pp10460.000	11.26	37.72	37.52	38.26	49.72	68.20	-18.48	peak
6	15690.000	14.53	40.82	39.14	34.28	50.49	74.00	-23.51	peak

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



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



Condition: 3m HORIZONTAL

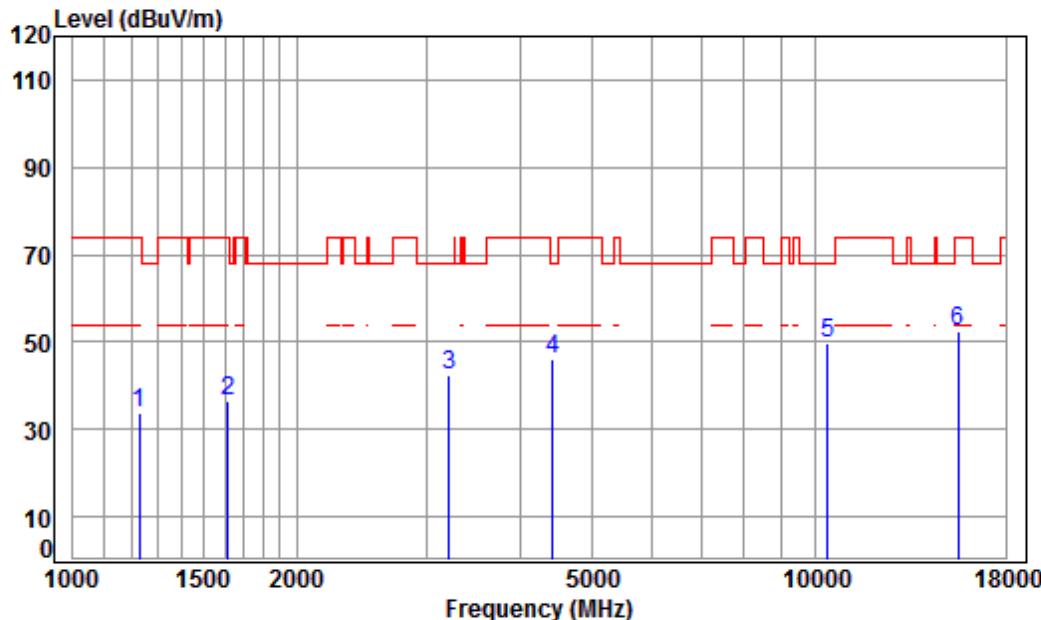
Job No : 02324CR

Mode : 5180 TX RSE

Note : 5G WIFI 11AC20

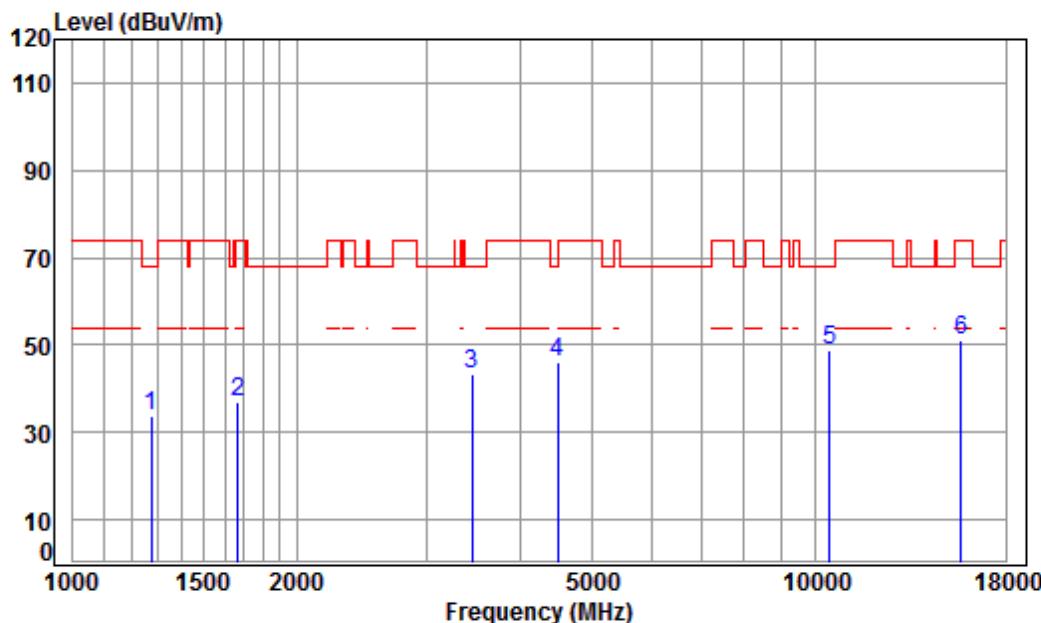
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1227.791	4.53	24.71	41.21	47.19	35.22	74.00	-38.78	peak
2	1494.455	5.46	25.78	41.40	45.75	35.59	74.00	-38.41	peak
3	3455.508	6.42	31.63	42.21	46.50	42.34	68.20	-25.86	peak
4	4469.214	7.53	33.55	42.41	47.32	45.99	68.20	-22.21	peak
5	pp10360.000	11.19	37.76	37.45	37.85	49.35	68.20	-18.85	peak
6	15540.000	14.30	40.72	39.00	34.54	50.56	74.00	-23.44	peak

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



Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line Limit	Remark
					dB	dB/m		
1 1227.791	4.53	24.71	41.21	45.56	33.59	74.00	-40.41	peak
2 1615.754	5.33	26.32	41.48	46.19	36.36	74.00	-37.64	peak
3 3205.345	6.19	31.24	42.15	47.12	42.40	68.20	-25.80	peak
4 4417.841	7.47	33.46	42.40	47.75	46.28	68.20	-21.92	peak
5 pp10360.000	11.19	37.76	37.45	38.14	49.64	68.20	-18.56	peak
6 15540.000	14.30	40.72	39.00	36.34	52.36	74.00	-21.64	peak

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



Condition: 3m HORIZONTAL

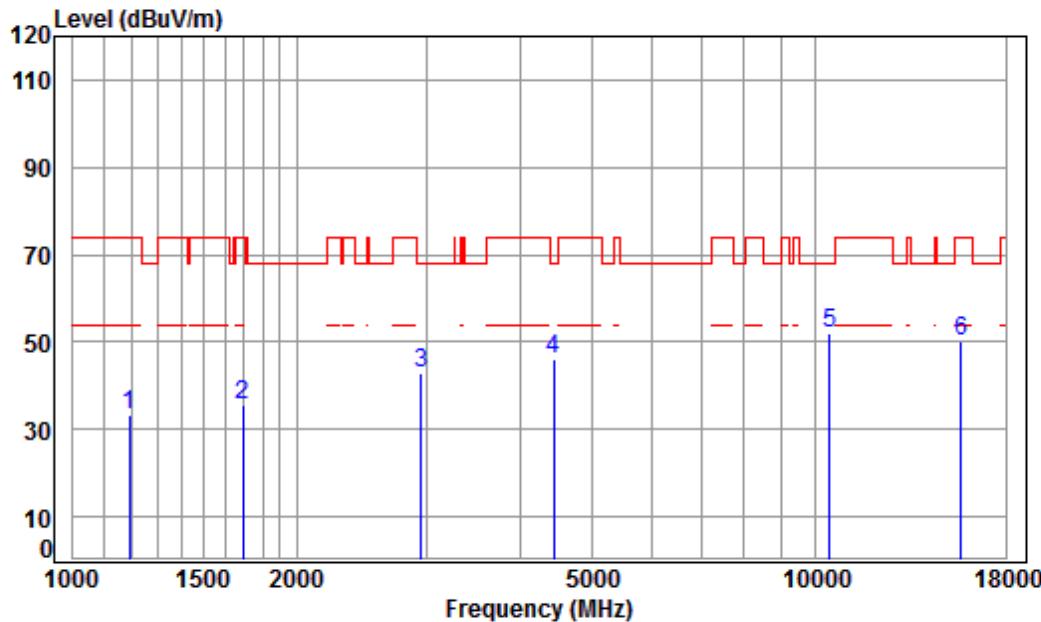
Job No : 02324CR

Mode : 5220 TX RSE

Note : 5G WIFI 11AC20

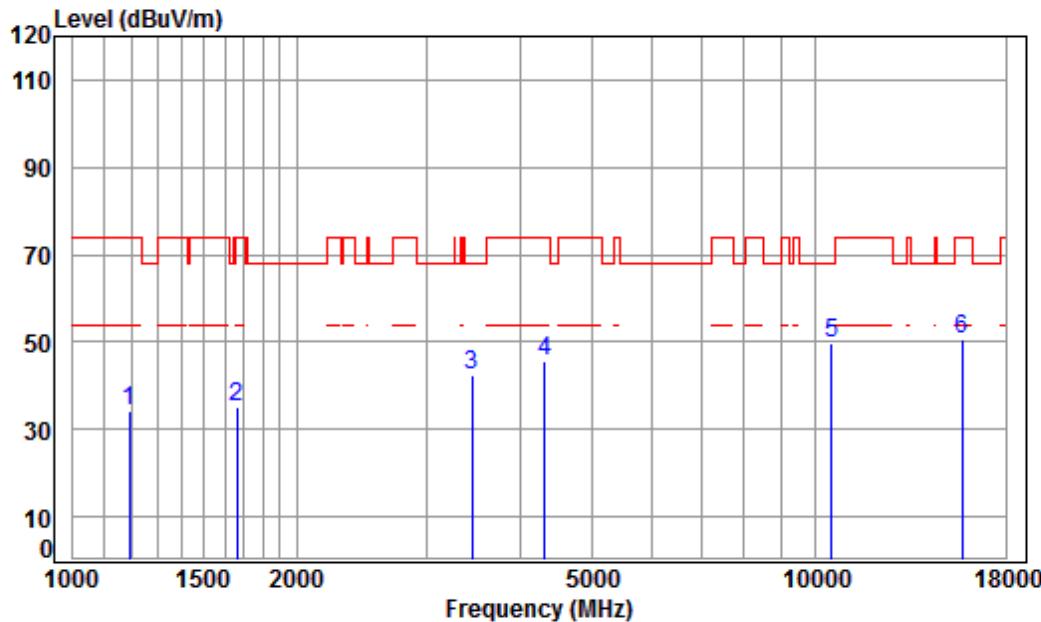
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1274.802	4.71	24.92	41.24	45.52	33.91	68.20	-34.29	peak
2	1667.951	5.27	26.54	41.51	46.51	36.81	74.00	-37.19	peak
3	3445.535	6.41	31.62	42.21	47.64	43.46	68.20	-24.74	peak
4	4495.125	7.55	33.59	42.42	47.37	46.09	68.20	-22.11	peak
5	pp10440.000	11.25	37.72	37.51	37.54	49.00	68.20	-19.20	peak
6	15660.000	14.48	40.80	39.11	34.93	51.10	74.00	-22.90	peak

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



Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit		Over Line	Over Limit	Remark
					dB	dB/m			
1 1192.811	4.39	24.56	41.18	45.35	33.12	74.00	-40.88	peak	
2 1692.231	5.24	26.64	41.53	45.26	35.61	74.00	-38.39	peak	
3 2947.623	5.95	30.69	42.08	48.30	42.86	68.20	-25.34	peak	
4 4430.628	7.48	33.48	42.41	47.33	45.88	68.20	-22.32	peak	
5 pp10440.000	11.25	37.72	37.51	40.78	52.24	68.20	-15.96	peak	
6 15660.000	14.48	40.80	39.11	34.24	50.41	74.00	-23.59	peak	

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



Condition: 3m HORIZONTAL

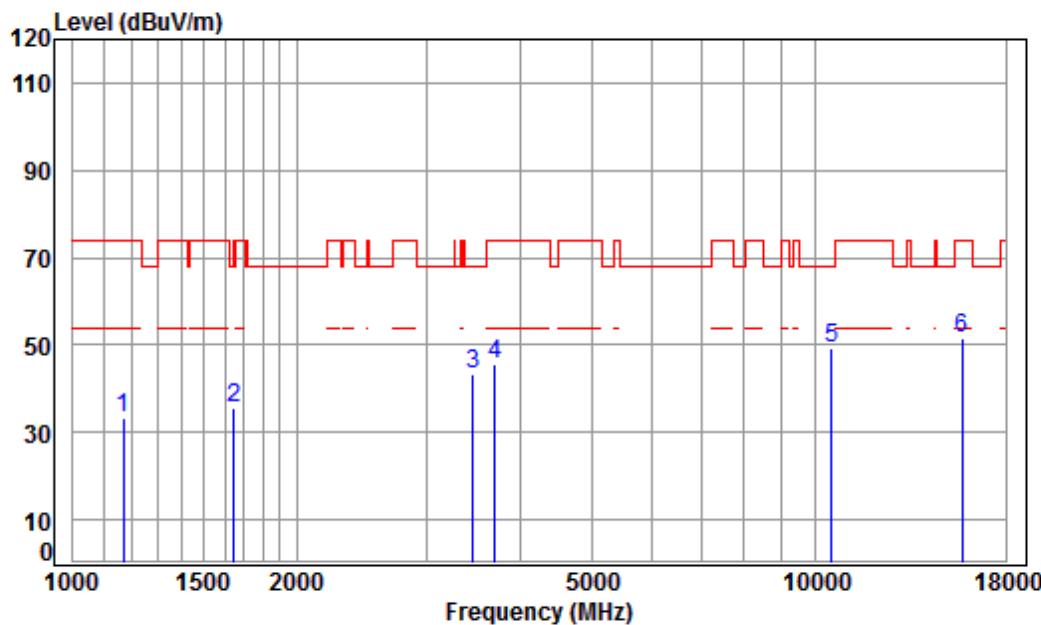
Job No : 02324CR

Mode : 5240 TX RSE

Note : 5G WIFI 11AC20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1192.811	4.39	24.56	41.18	46.36	34.13	74.00	-39.87	peak
2	1663.137	5.27	26.52	41.51	44.80	35.08	74.00	-38.92	peak
3	3445.535	6.41	31.62	42.21	46.58	42.40	68.20	-25.80	peak
4	4316.859	7.36	33.28	42.38	47.47	45.73	74.00	-28.27	peak
5	pp10480.000	11.28	37.71	37.53	38.08	49.54	68.20	-18.66	peak
6	15720.000	14.57	40.83	39.17	34.41	50.64	74.00	-23.36	peak

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



Condition: 3m VERTICAL

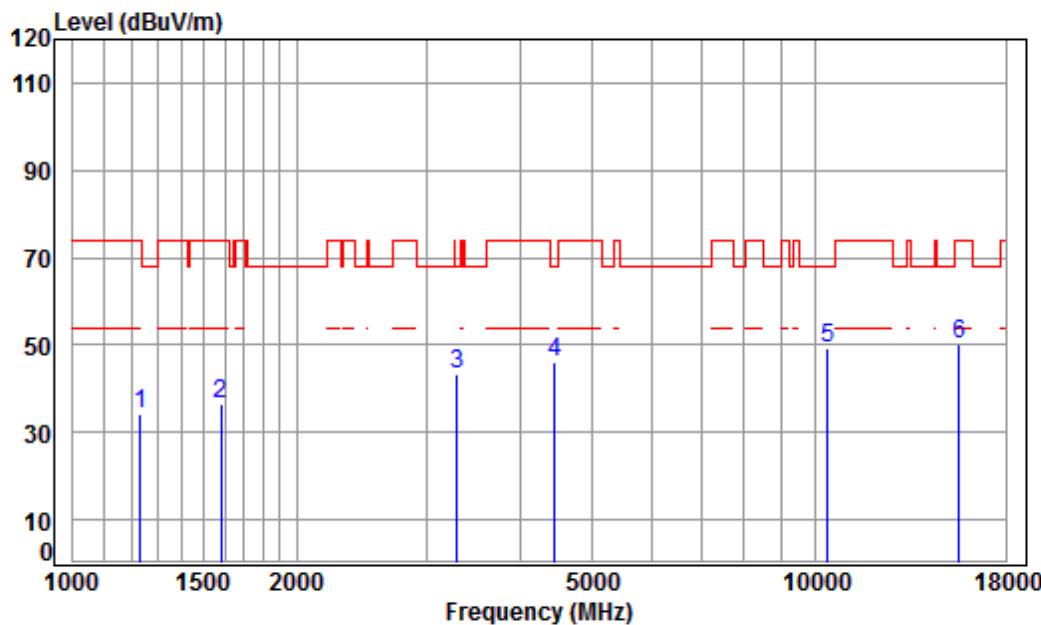
Job No : 02324CR

Mode : 5240 TX RSE

Note : 5G WIFI 11AC20

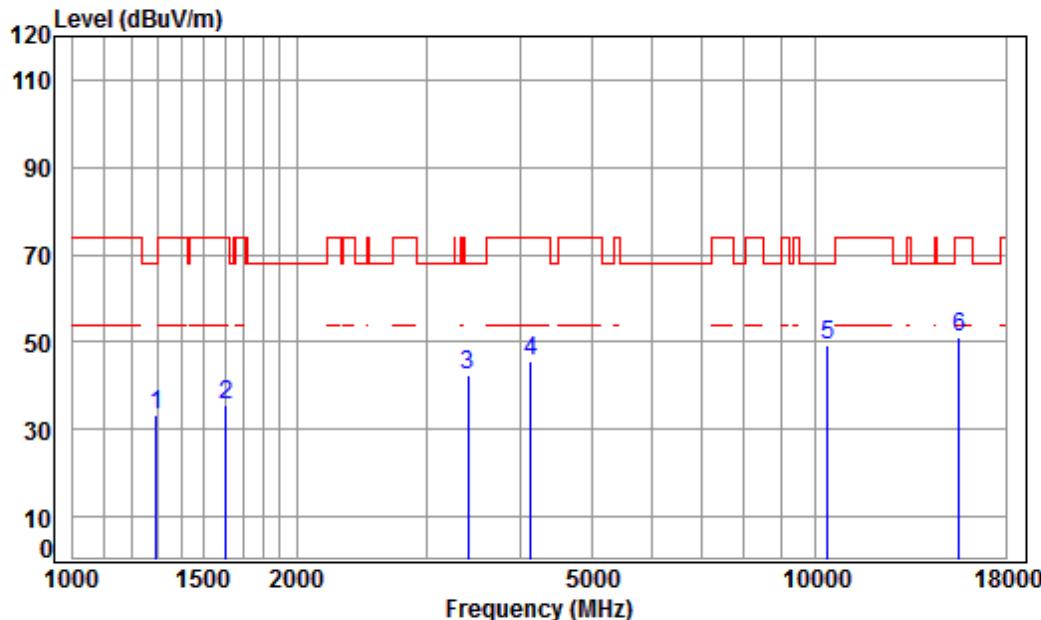
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1168.920	4.29	24.45	41.16	45.80	33.38	74.00	-40.62	peak
2	1648.778	5.29	26.46	41.50	45.22	35.47	68.20	-32.73	peak
3	3455.508	6.42	31.63	42.21	47.55	43.39	68.20	-24.81	peak
4	3703.723	6.68	32.12	42.27	49.00	45.53	74.00	-28.47	peak
5	pp10480.000	11.28	37.71	37.53	37.83	49.29	68.20	-18.91	peak
6	15720.000	14.57	40.83	39.17	35.53	51.76	74.00	-22.24	peak

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



	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1231.345	4.54	24.73	41.21	46.11	34.17	74.00	-39.83	peak
2	1583.392	5.37	26.18	41.46	46.48	36.57	74.00	-37.43	peak
3	3289.821	6.27	31.38	42.17	47.76	43.24	68.20	-24.96	peak
4	4456.315	7.51	33.53	42.41	47.33	45.96	68.20	-22.24	peak
5	pp10380.000	11.21	37.75	37.47	37.62	49.11	68.20	-19.09	peak
6	15570.000	14.35	40.74	39.03	34.12	50.18	74.00	-23.82	peak

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



Condition: 3m VERTICAL

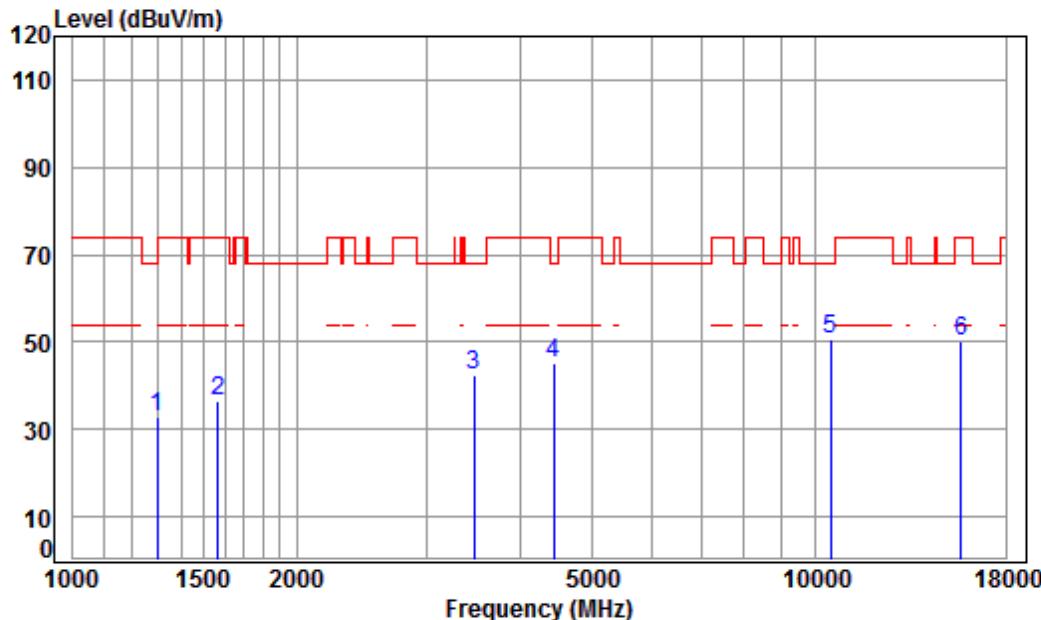
Job No : 02324CR

Mode : 5190 TX RSE

Note : 5G WIFI 11AC40

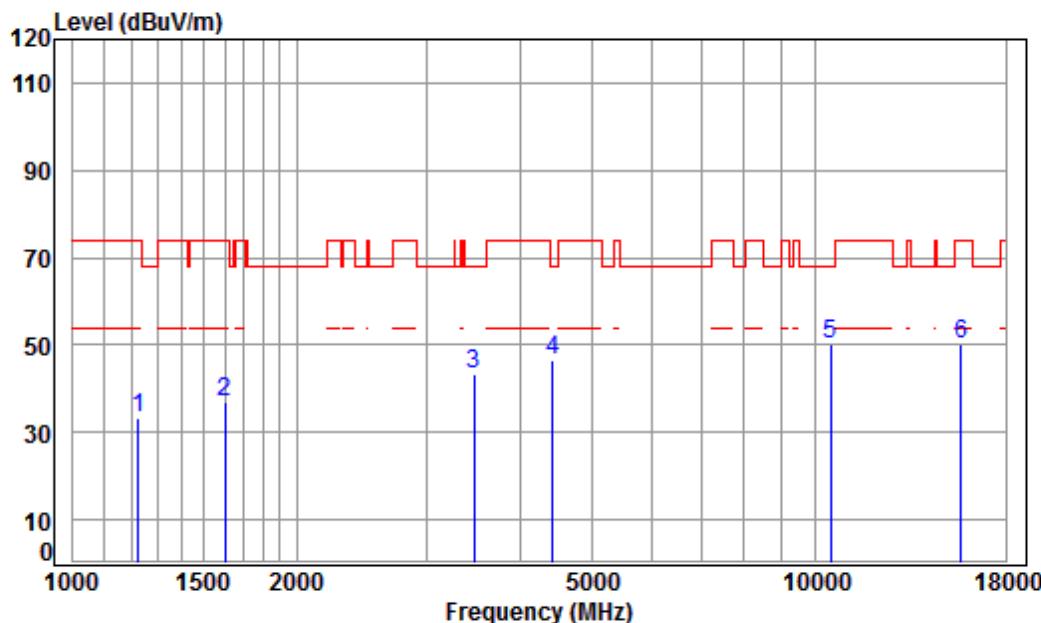
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1293.359	4.77	25.00	41.26	44.68	33.19	68.20	-35.01	peak
2	1606.441	5.34	26.28	41.47	45.57	35.72	74.00	-38.28	peak
3	3405.929	6.38	31.56	42.20	46.61	42.35	68.20	-25.85	peak
4	4133.699	7.14	32.95	42.35	47.77	45.51	74.00	-28.49	peak
5	pp10380.000	11.21	37.75	37.47	37.96	49.45	68.20	-18.75	peak
6	15570.000	14.35	40.74	39.03	34.86	50.92	74.00	-23.08	peak

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

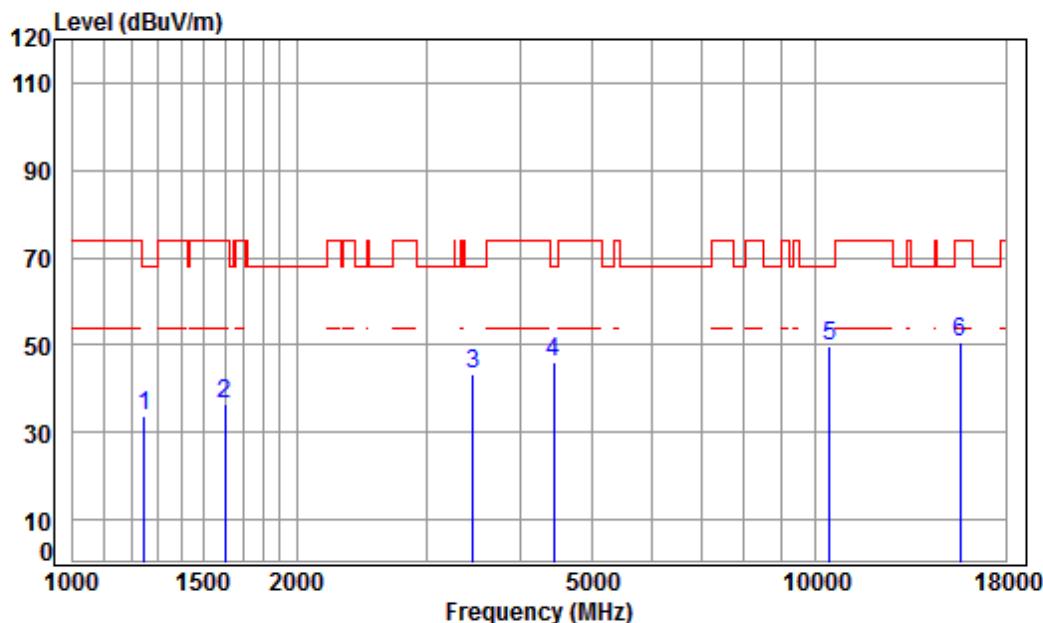


	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1297.103	4.79	25.01	41.26	44.35	32.89	68.20	-35.31	peak
2	1569.721	5.39	26.12	41.45	46.51	36.57	74.00	-37.43	peak
3	3465.510	6.43	31.65	42.21	46.77	42.64	68.20	-25.56	peak
4	4443.453	7.50	33.50	42.41	46.72	45.31	68.20	-22.89	peak
5	pp10460.000	11.26	37.72	37.52	39.40	50.86	68.20	-17.34	peak
6	15690.000	14.53	40.82	39.14	34.02	50.23	74.00	-23.77	peak

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



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



Condition: 3m HORIZONTAL

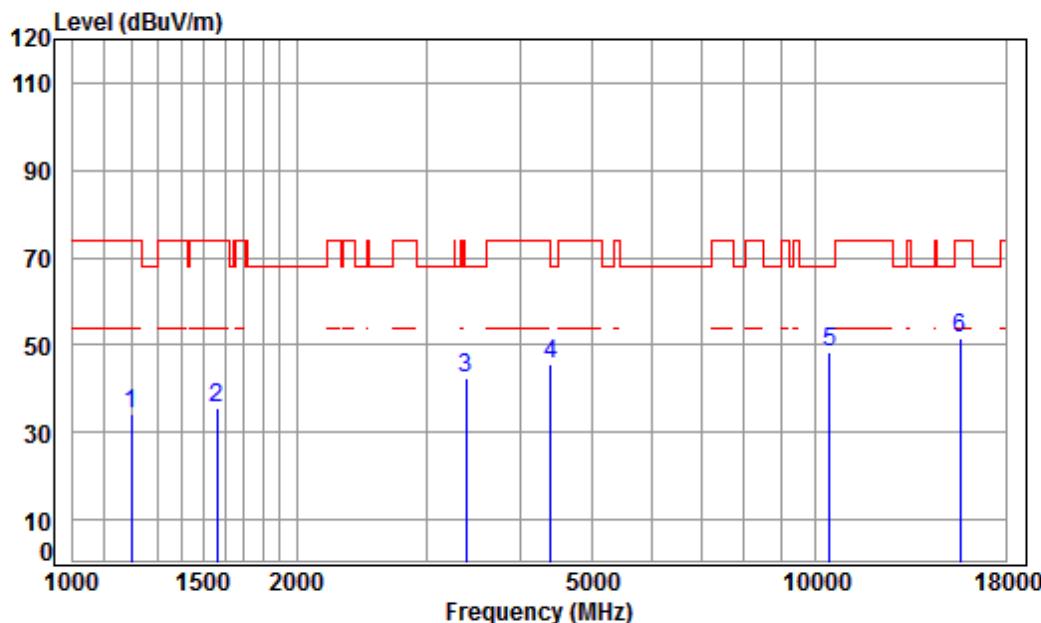
Job No : 02324CR

Mode : 5210 TX RSE

Note : 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1249.269	4.61	24.81	41.22	45.59	33.79	68.20	-34.41	peak
2	1601.804	5.35	26.26	41.47	46.17	36.31	74.00	-37.69	peak
3	3455.508	6.42	31.63	42.21	47.34	43.18	68.20	-25.02	peak
4	4430.628	7.48	33.48	42.41	47.53	46.08	68.20	-22.12	peak
5	pp10420.000	11.24	37.73	37.49	38.38	49.86	68.20	-18.34	peak
6	15630.000	14.44	40.78	39.09	34.65	50.78	74.00	-23.22	peak

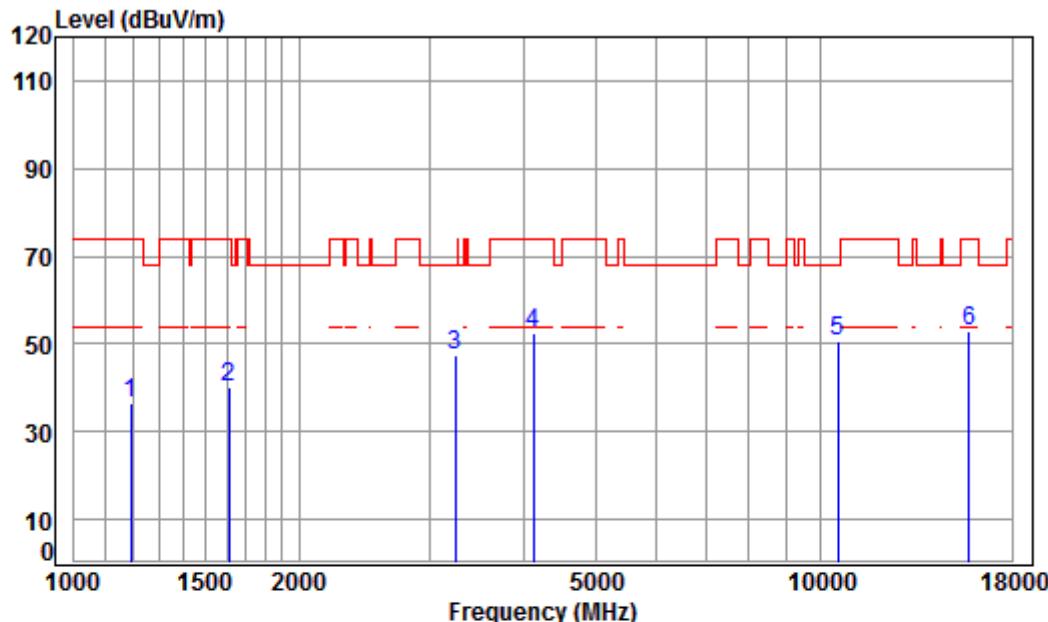
Mode:g; Polarization:Vertical; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1199.726	4.42	24.59	41.18	46.57	34.40	74.00	-39.60	peak
2	1565.191	5.39	26.10	41.45	45.69	35.73	74.00	-38.27	peak
3	3376.523	6.35	31.51	42.19	46.97	42.64	68.20	-25.56	peak
4	4392.376	7.44	33.42	42.40	47.32	45.78	74.00	-28.22	peak
5	pp10420.000	11.24	37.73	37.49	37.07	48.55	68.20	-19.65	peak
6	15630.000	14.44	40.78	39.09	35.31	51.44	74.00	-22.56	peak

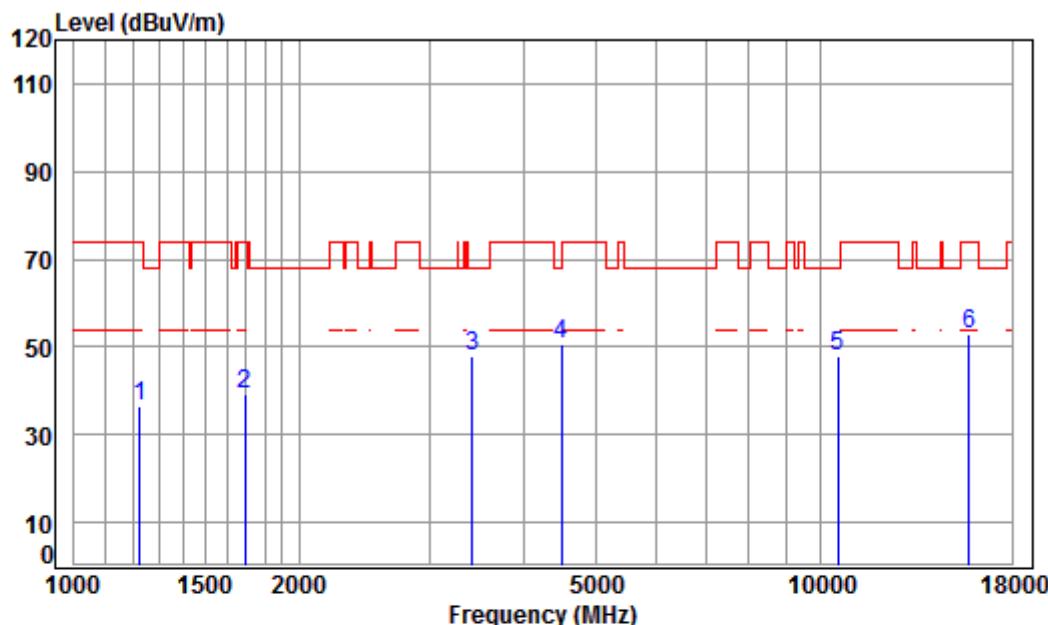
**Band 2A:**

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

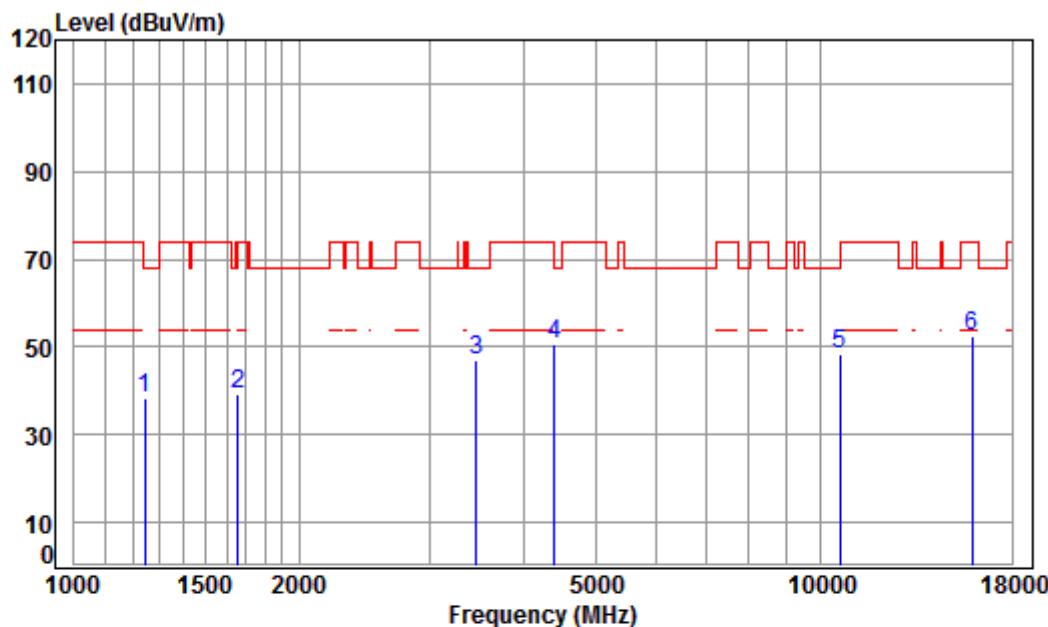


	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Line	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1192.811	4.39	24.56	38.70	46.42	36.67	74.00	-37.33	peak
2	1611.091	5.34	26.30	38.70	47.08	40.02	74.00	-33.98	peak
3	3242.619	6.22	31.30	37.88	48.00	47.64	68.20	-20.56	peak
4	4121.768	7.13	32.93	38.11	50.46	52.41	74.00	-21.59	peak
5	pp10520.000	11.30	37.70	36.35	38.14	50.79	68.20	-17.41	peak
6	15780.000	14.66	40.87	37.95	35.43	53.01	74.00	-20.99	peak

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



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



Condition: 3m HORIZONTAL

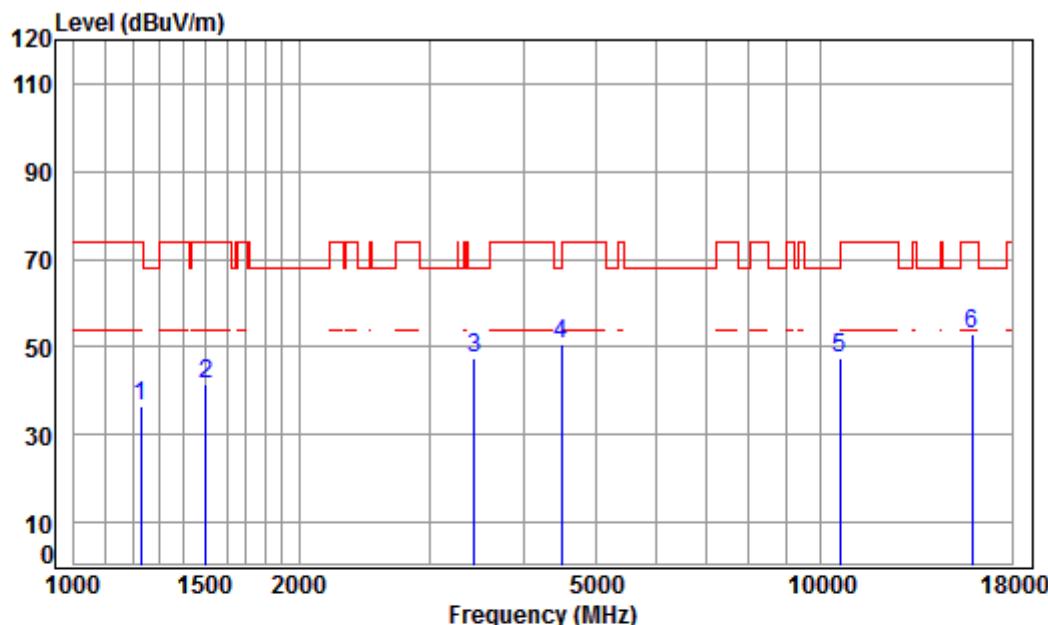
Job No : 02324CR

Mode : 5300 TX RSE

Note : 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 1245.663	4.60	24.79	38.70	47.58	38.27	68.20	-29.93	peak
2 1658.337	5.28	26.50	38.70	46.06	39.14	68.20	-29.06	peak
3 3455.508	6.42	31.63	37.95	46.99	47.09	68.20	-21.11	peak
4 4392.376	7.44	33.42	38.14	48.15	50.87	74.00	-23.13	peak
5 pp10600.000	11.36	37.72	36.36	35.55	48.27	68.20	-19.93	peak
6 15900.000	14.84	40.94	37.87	34.38	52.29	74.00	-21.71	peak

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



Condition: 3m VERTICAL

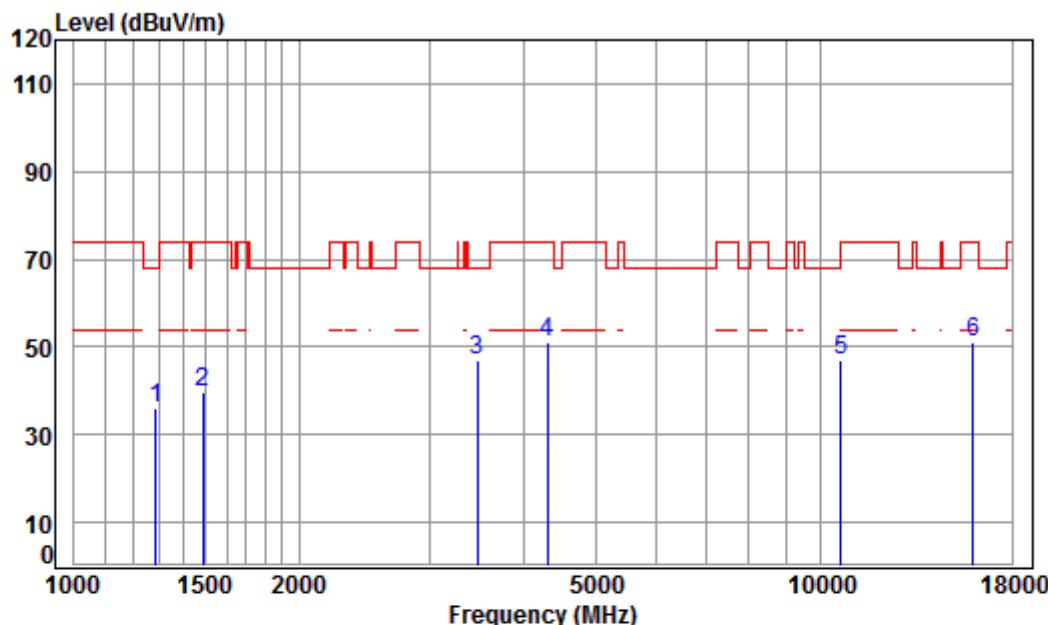
Job No : 02324CR

Mode : 5300 TX RSE

Note : 5G WIFI 11A

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1227.791	4.53	24.71	38.70	45.85	36.39	74.00	-37.61 peak
2 1503.119	5.48	25.81	38.70	48.71	41.30	74.00	-32.70 peak
3 3435.590	6.40	31.60	37.94	47.48	47.54	68.20	-20.66 peak
4 pp 4495.125	7.55	33.59	38.15	47.84	50.83	68.20	-17.37 peak
5 10600.000	11.36	37.72	36.36	34.92	47.64	68.20	-20.56 peak
6 15900.000	14.84	40.94	37.87	34.92	52.83	74.00	-21.17 peak

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



Condition: 3m HORIZONTAL

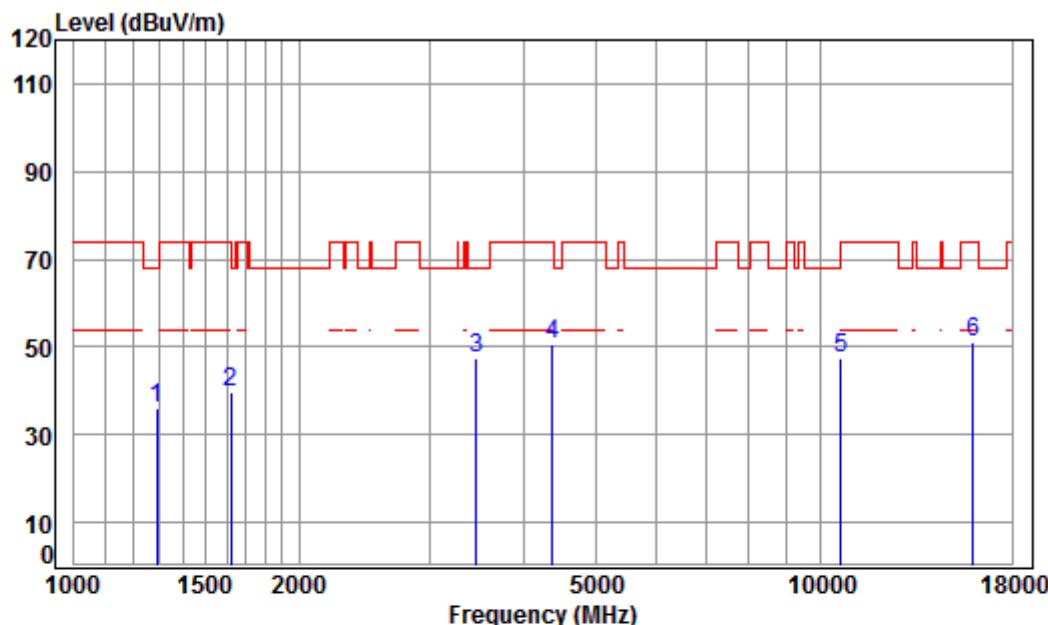
Job No : 02324CR

Mode : 5320 TX RSE

Note : 5G WIFI 11A

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1285.904	4.75	24.96	38.70	44.96	35.97	68.20	-32.23 peak
2 1485.841	5.43	25.75	38.70	47.03	39.51	74.00	-34.49 peak
3 pp 3465.510	6.43	31.65	37.95	46.99	47.12	68.20	-21.08 peak
4 4304.400	7.34	33.26	38.13	48.66	51.13	74.00	-22.87 peak
5 10640.000	11.39	37.73	36.37	34.35	47.10	74.00	-26.90 peak
6 15960.000	14.93	40.98	37.83	33.03	51.11	74.00	-22.89 peak

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



Condition: 3m VERTICAL

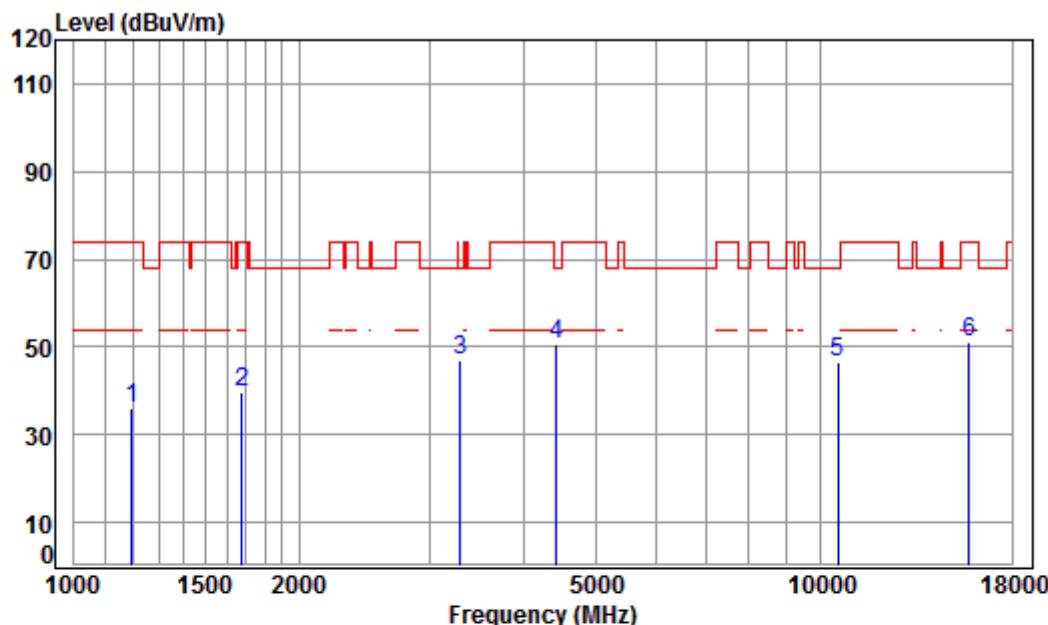
Job No : 02324CR

Mode : 5320 TX RSE

Note : 5G WIFI 11A

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 1289.627	4.76	24.98	38.70	45.15	36.19	68.20	-32.01	peak
2 1620.431	5.32	26.34	38.70	46.52	39.48	74.00	-34.52	peak
3 pp 3455.508	6.42	31.63	37.95	47.15	47.25	68.20	-20.95	peak
4 4367.058	7.41	33.37	38.14	47.86	50.50	74.00	-23.50	peak
5 10640.000	11.39	37.73	36.37	34.57	47.32	74.00	-26.68	peak
6 15960.000	14.93	40.98	37.83	33.02	51.10	74.00	-22.90	peak

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



Condition: 3m HORIZONTAL

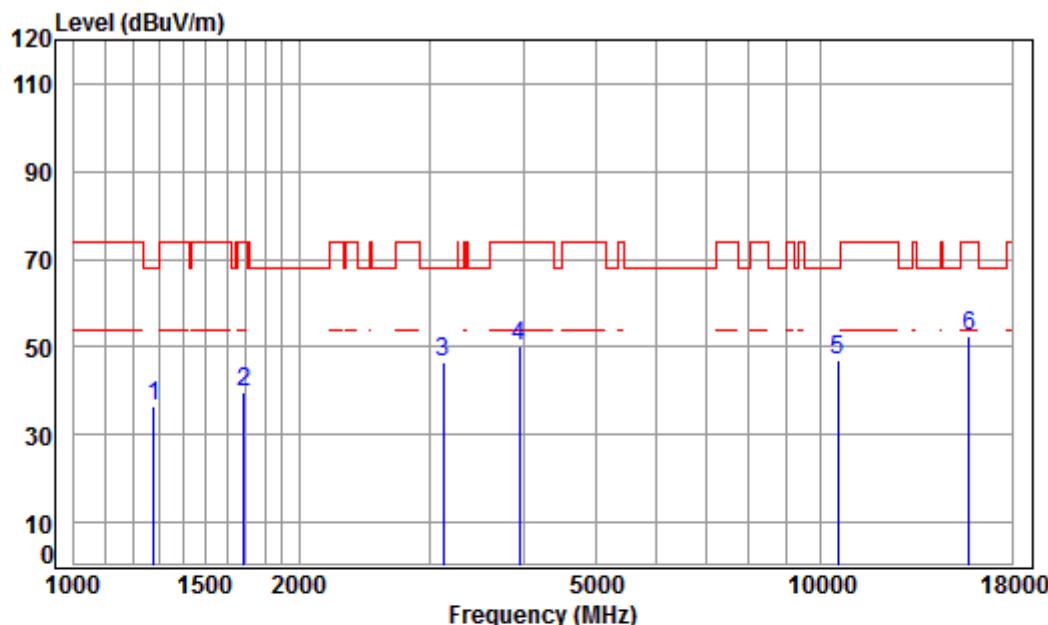
Job No : 02324CR

Mode : 5260 TX RSE

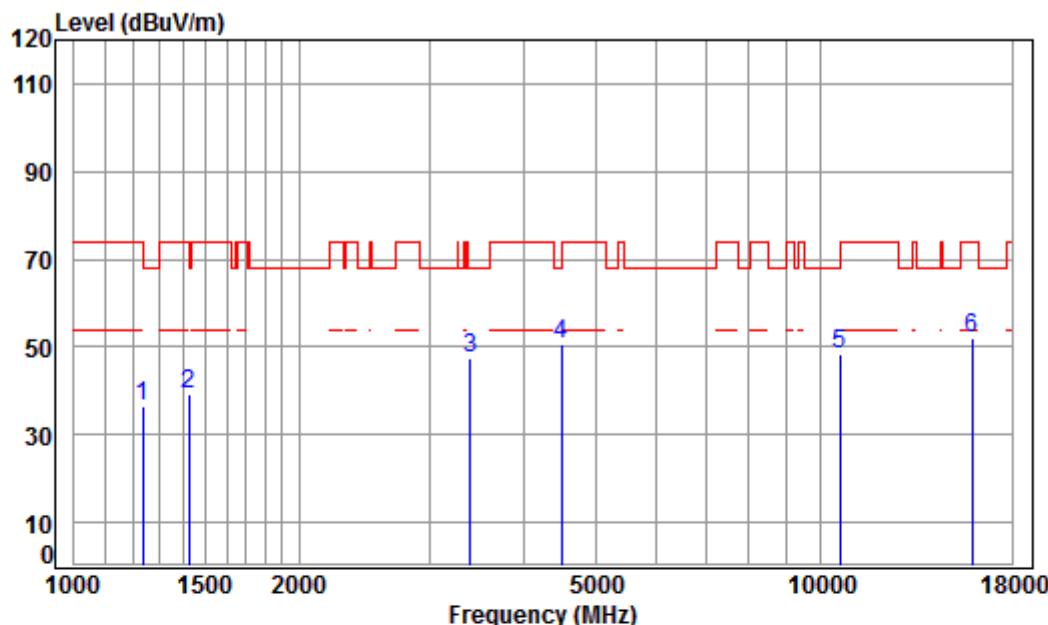
Note : 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	Level			
1 1196.264	4.40	24.57	38.70	46.00	36.27	74.00	-37.73	peak
2 1677.621	5.25	26.58	38.70	46.41	39.54	74.00	-34.46	peak
3 3289.821	6.27	31.38	37.90	47.17	46.92	68.20	-21.28	peak
4 pp 4417.841	7.47	33.46	38.14	48.02	50.81	68.20	-17.39	peak
5 10520.000	11.30	37.70	36.35	34.04	46.69	68.20	-21.51	peak
6 15780.000	14.66	40.87	37.95	33.51	51.09	74.00	-22.91	peak

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



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



Condition: 3m HORIZONTAL

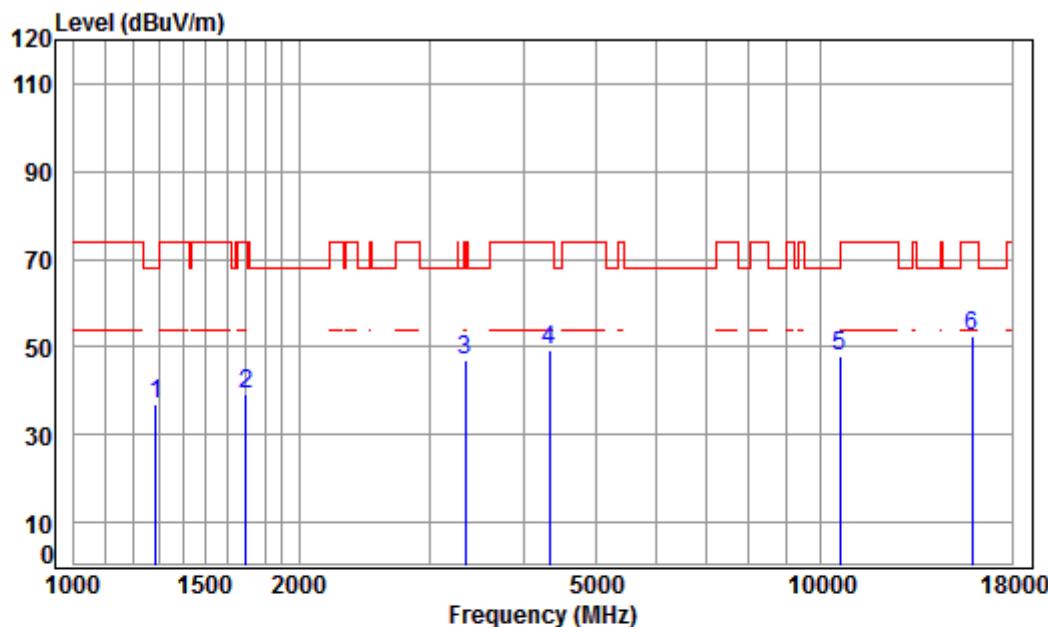
Job No : 02324CR

Mode : 5300 TX RSE

Note : 5G WIFI 11N20

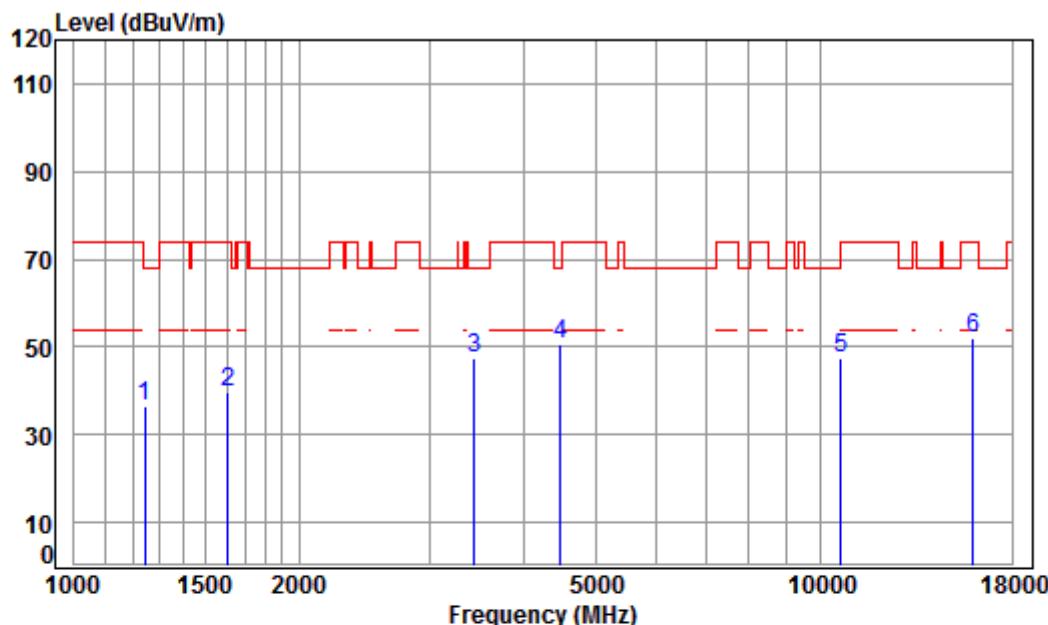
Freq	Cable		Ant		Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level					
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 1234.909	4.55	24.74	38.70	45.92	36.51	74.00	-37.49	peak	
2 1426.916	5.24	25.53	38.70	47.11	39.18	74.00	-34.82	peak	
3 3396.098	6.37	31.54	37.93	47.63	47.61	68.20	-20.59	peak	
4 pp 4495.125	7.55	33.59	38.15	47.58	50.57	68.20	-17.63	peak	
5 10600.000	11.36	37.72	36.36	35.51	48.23	68.20	-19.97	peak	
6 15900.000	14.84	40.94	37.87	34.21	52.12	74.00	-21.88	peak	

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



Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 1285.904	4.75	24.96	38.70	45.81	36.82	68.20	-31.38	peak
2 1697.129	5.23	26.66	38.70	45.83	39.02	74.00	-34.98	peak
3 3337.710	6.31	31.45	37.91	46.95	46.80	74.00	-27.20	peak
4 4329.354	7.37	33.30	38.14	46.96	49.49	74.00	-24.51	peak
5 pp10600.000	11.36	37.72	36.36	35.13	47.85	68.20	-20.35	peak
6 15900.000	14.84	40.94	37.87	34.54	52.45	74.00	-21.55	peak

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



Condition: 3m HORIZONTAL

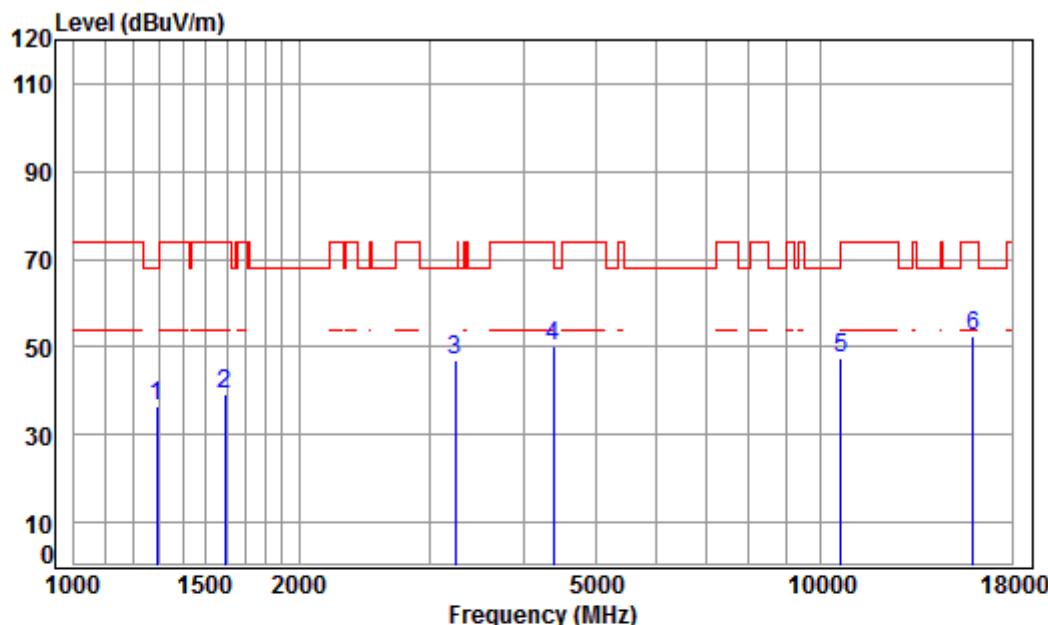
Job No : 02324CR

Mode : 5320 TX RSE

Note : 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 1245.663	4.60	24.79	38.70	45.77	36.46	68.20	-31.74	peak
2 1606.441	5.34	26.28	38.70	46.64	39.56	74.00	-34.44	peak
3 3435.590	6.40	31.60	37.94	47.20	47.26	68.20	-20.94	peak
4 pp 4482.150	7.54	33.57	38.15	47.52	50.48	68.20	-17.72	peak
5 10640.000	11.39	37.73	36.37	34.63	47.38	74.00	-26.62	peak
6 15960.000	14.93	40.98	37.83	34.15	52.23	74.00	-21.77	peak

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



Condition: 3m VERTICAL

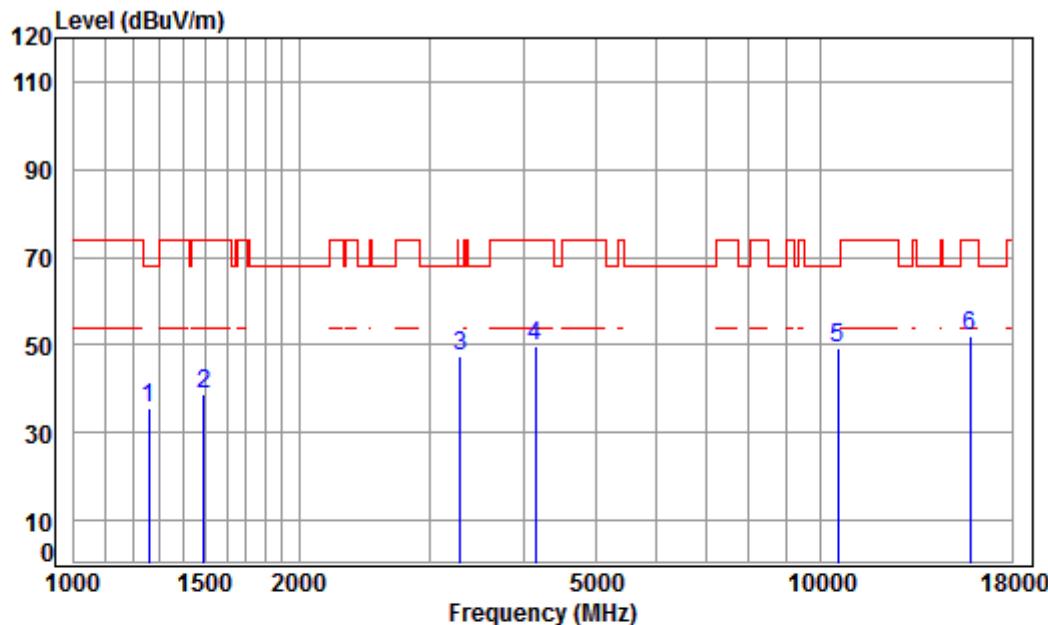
Job No : 02324CR

Mode : 5320 TX RSE

Note : 5G WIFI 11N20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 1289.627	4.76	24.98	38.70	45.28	36.32	68.20	-31.88	peak
2 1592.571	5.36	26.22	38.70	46.13	39.01	74.00	-34.99	peak
3 pp 3242.619	6.22	31.30	37.88	47.21	46.85	68.20	-21.35	peak
4 4379.699	7.43	33.39	38.14	47.33	50.01	74.00	-23.99	peak
5 10640.000	11.39	37.73	36.37	34.49	47.24	74.00	-26.76	peak
6 15960.000	14.93	40.98	37.83	34.27	52.35	74.00	-21.65	peak

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



Condition: 3m HORIZONTAL

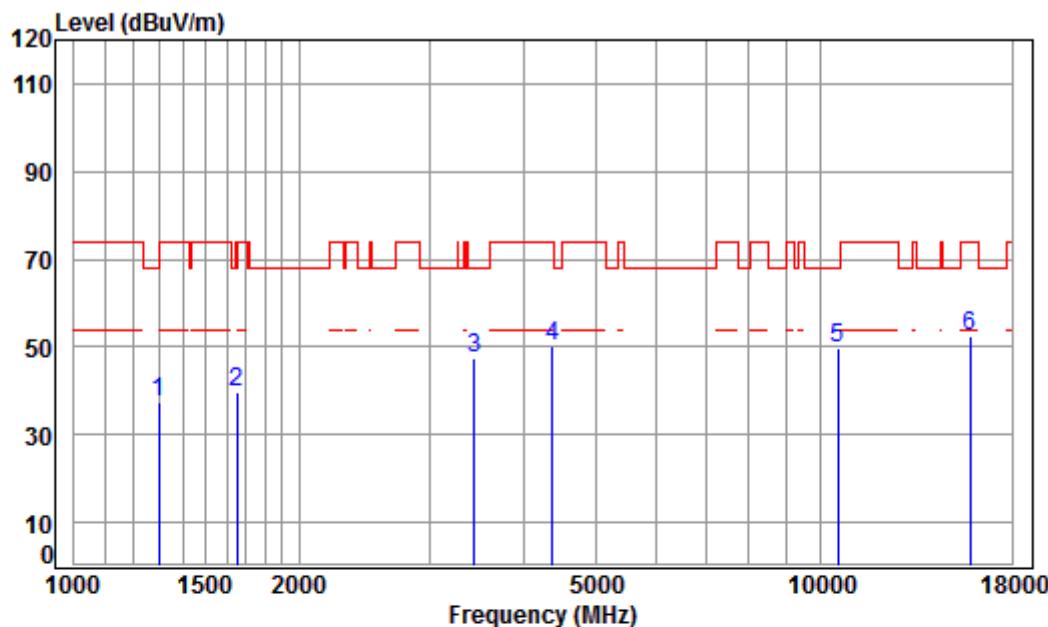
Job No : 02324CR

Mode : 5270 TX RSE

Note : 5G WIFI 11N40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1260.149	4.65	24.85	38.70	44.91	35.71	68.20	-32.49 peak
2 1494.455	5.46	25.78	38.70	46.43	38.97	74.00	-35.03 peak
3 3289.821	6.27	31.38	37.90	47.62	47.37	68.20	-20.83 peak
4 4145.664	7.16	32.97	38.12	47.87	49.88	74.00	-24.12 peak
5 pp10540.000	11.32	37.71	36.36	36.72	49.39	68.20	-18.81 peak
6 15810.000	14.71	40.89	37.93	34.18	51.85	74.00	-22.15 peak

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



Condition: 3m VERTICAL

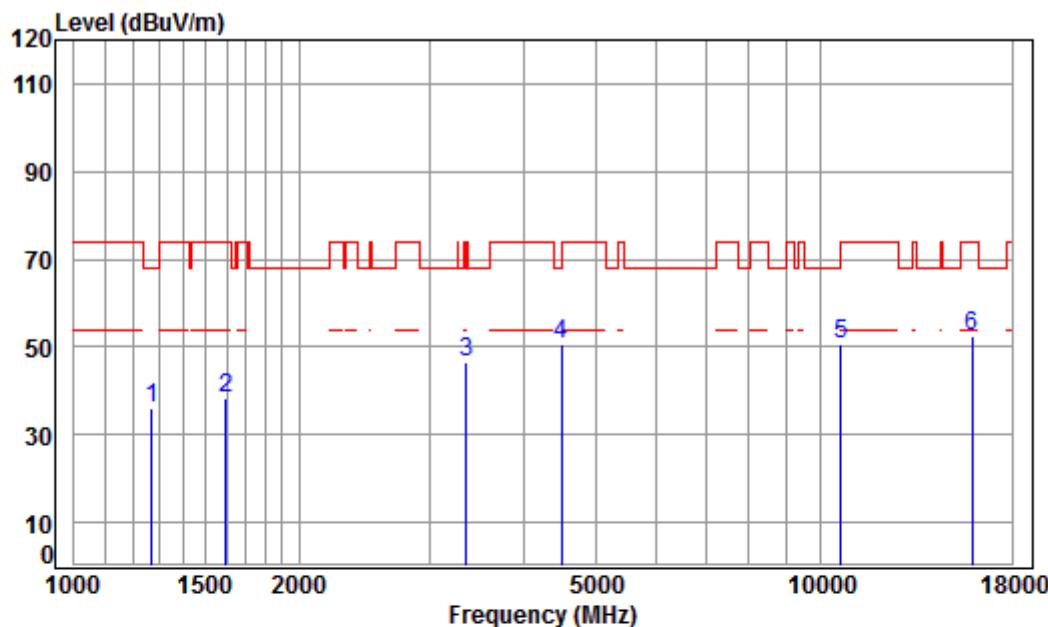
Job No : 02324CR

Mode : 5270 TX RSE

Note : 5G WIFI 11N40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1297.103	4.79	25.01	38.70	46.15	37.25	68.20	-30.95 peak
2 1653.550	5.28	26.48	38.70	46.82	39.88	68.20	-28.32 peak
3 3435.590	6.40	31.60	37.94	47.33	47.39	68.20	-20.81 peak
4 4367.058	7.41	33.37	38.14	47.76	50.40	74.00	-23.60 peak
5 pp10540.000	11.32	37.71	36.36	37.06	49.73	68.20	-18.47 peak
6 15810.000	14.71	40.89	37.93	34.89	52.56	74.00	-21.44 peak

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



Condition: 3m HORIZONTAL

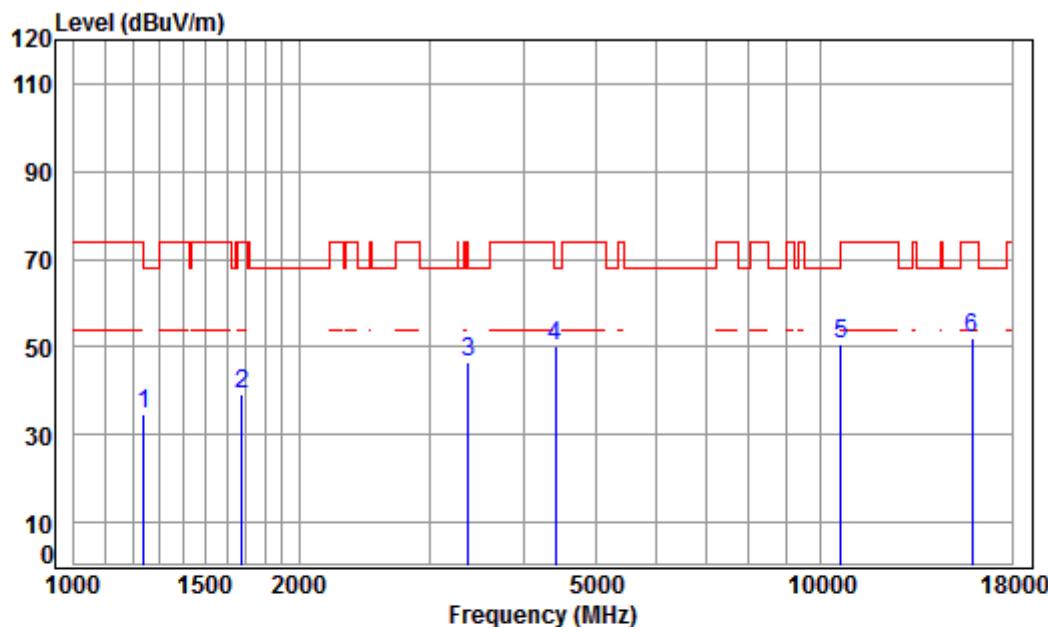
Job No : 02324CR

Mode : 5310 TX RSE

Note : 5G WIFI 11N40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1271.123	4.69	24.90	38.70	44.99	35.88	68.20	-32.32 peak
2 1597.181	5.35	26.24	38.70	45.46	38.35	74.00	-35.65 peak
3 3347.371	6.32	31.47	37.91	46.80	46.68	74.00	-27.32 peak
4 pp 4495.125	7.55	33.59	38.15	47.49	50.48	68.20	-17.72 peak
5 10620.000	11.37	37.72	36.36	37.79	50.52	74.00	-23.48 peak
6 15930.000	14.89	40.96	37.85	34.38	52.38	74.00	-21.62 peak

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



Condition: 3m VERTICAL

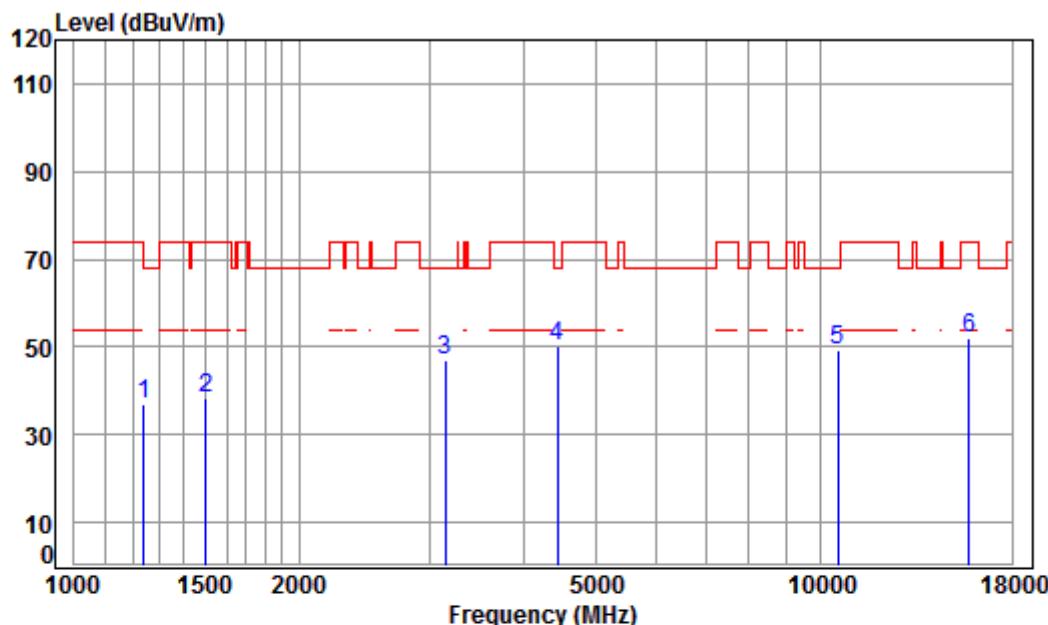
Job No : 02324CR

Mode : 5310 TX RSE

Note : 5G WIFI 11N40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1238.483	4.57	24.76	38.70	44.18	34.81	74.00	-39.19 peak
2 1677.621	5.25	26.58	38.70	46.03	39.16	74.00	-34.84 peak
3 3366.778	6.34	31.50	37.92	46.59	46.51	68.20	-21.69 peak
4 pp 4405.090	7.46	33.44	38.14	47.21	49.97	68.20	-18.23 peak
5 10620.000	11.37	37.72	36.36	37.96	50.69	74.00	-23.31 peak
6 15930.000	14.89	40.96	37.85	34.22	52.22	74.00	-21.78 peak

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



Condition: 3m HORIZONTAL

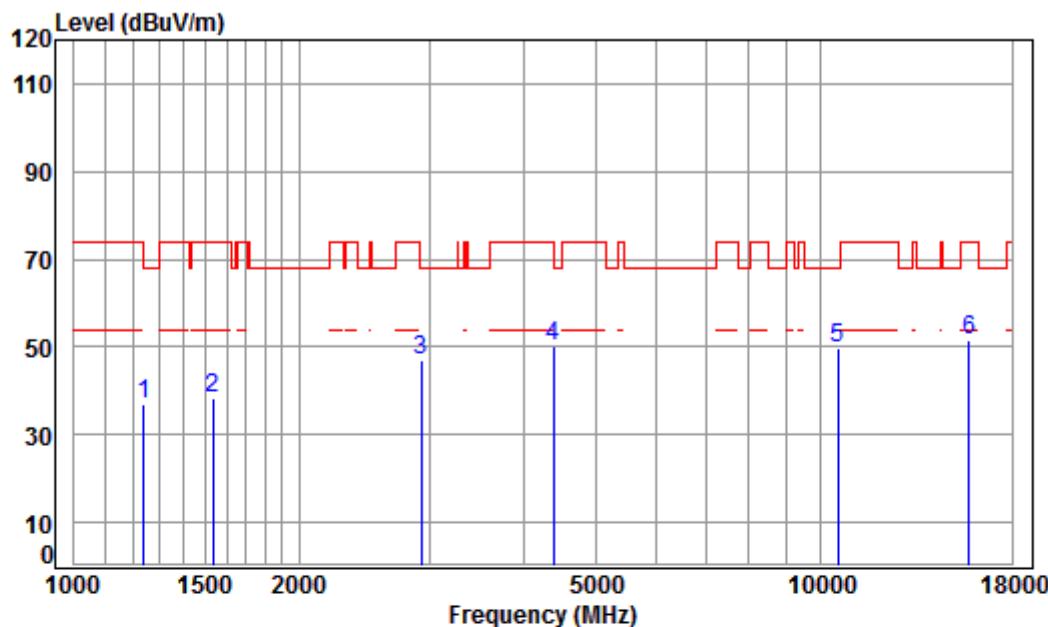
Job No : 02324CR

Mode : 5260 TX RSE

Note : 5G WIFI 11AC20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1238.483	4.57	24.76	38.70	46.32	36.95	74.00	-37.05 peak
2 1503.119	5.48	25.81	38.70	45.63	38.22	74.00	-35.78 peak
3 3141.145	6.12	31.14	37.85	47.42	46.83	68.20	-21.37 peak
4 pp 4430.628	7.48	33.48	38.15	47.26	50.07	68.20	-18.13 peak
5 10520.000	11.30	37.70	36.35	36.84	49.49	68.20	-18.71 peak
6 15780.000	14.66	40.87	37.95	34.22	51.80	74.00	-22.20 peak

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



Condition: 3m VERTICAL

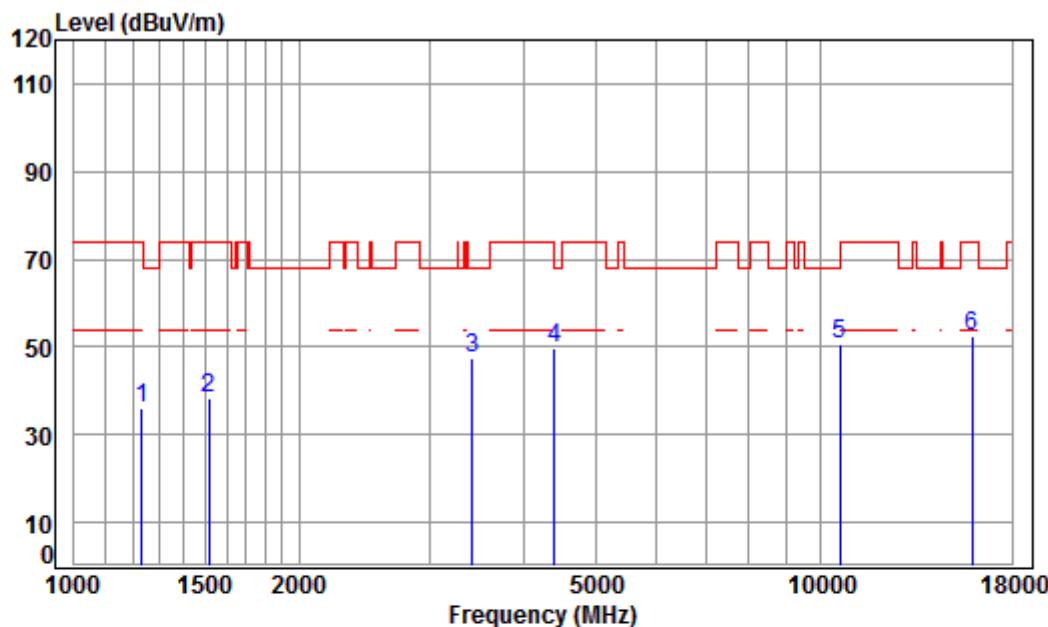
Job No : 02324CR

Mode : 5260 TX RSE

Note : 5G WIFI 11AC20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1238.483	4.57	24.76	38.70	46.19	36.82	74.00	-37.18 peak
2 1533.841	5.44	25.96	38.70	45.77	38.47	74.00	-35.53 peak
3 2913.740	5.92	30.55	37.86	48.31	46.92	68.20	-21.28 peak
4 4379.699	7.43	33.39	38.14	47.67	50.35	74.00	-23.65 peak
5 pp10520.000	11.30	37.70	36.35	37.09	49.74	68.20	-18.46 peak
6 15780.000	14.66	40.87	37.95	34.19	51.77	74.00	-22.23 peak

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



Condition: 3m HORIZONTAL

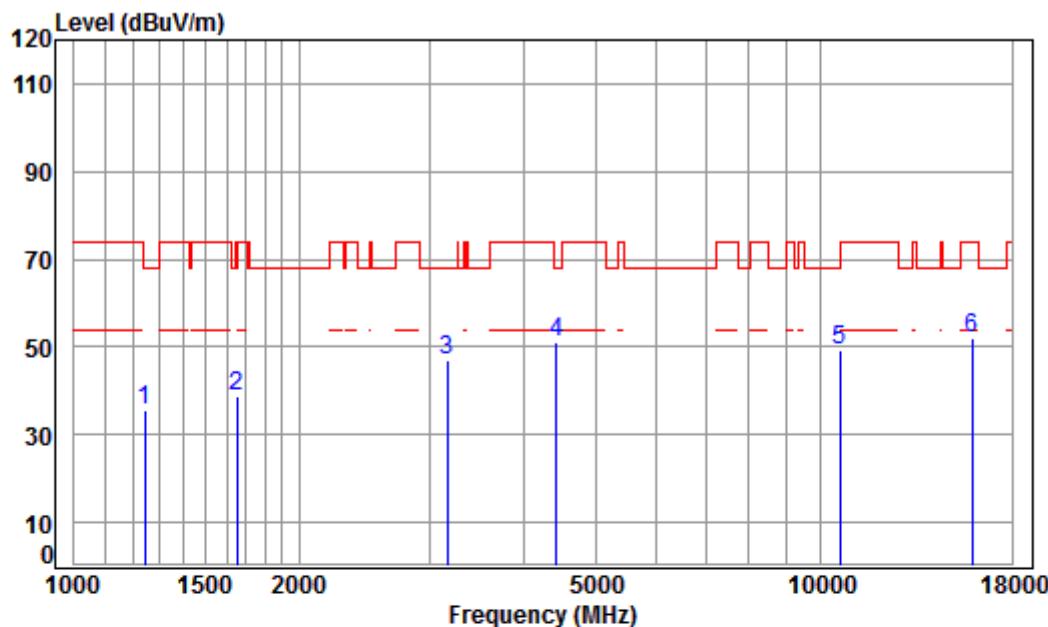
Job No : 02324CR

Mode : 5300 TX RSE

Note : 5G WIFI 11AC20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1231.345	4.54	24.73	38.70	45.51	36.08	74.00	-37.92 peak
2 1516.210	5.46	25.87	38.70	45.84	38.47	74.00	-35.53 peak
3 3415.787	6.38	31.57	37.94	47.40	47.41	68.20	-20.79 peak
4 4392.376	7.44	33.42	38.14	47.21	49.93	74.00	-24.07 peak
5 pp10600.000	11.36	37.72	36.36	38.09	50.81	68.20	-17.39 peak
6 15900.000	14.84	40.94	37.87	34.52	52.43	74.00	-21.57 peak

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



Condition: 3m VERTICAL

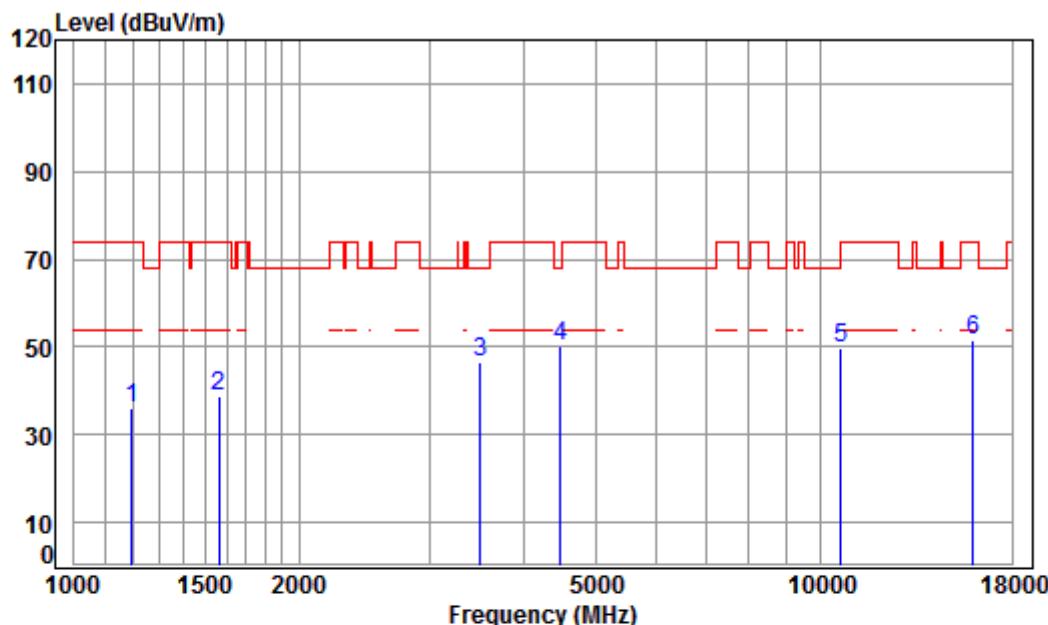
Job No : 02324CR

Mode : 5300 TX RSE

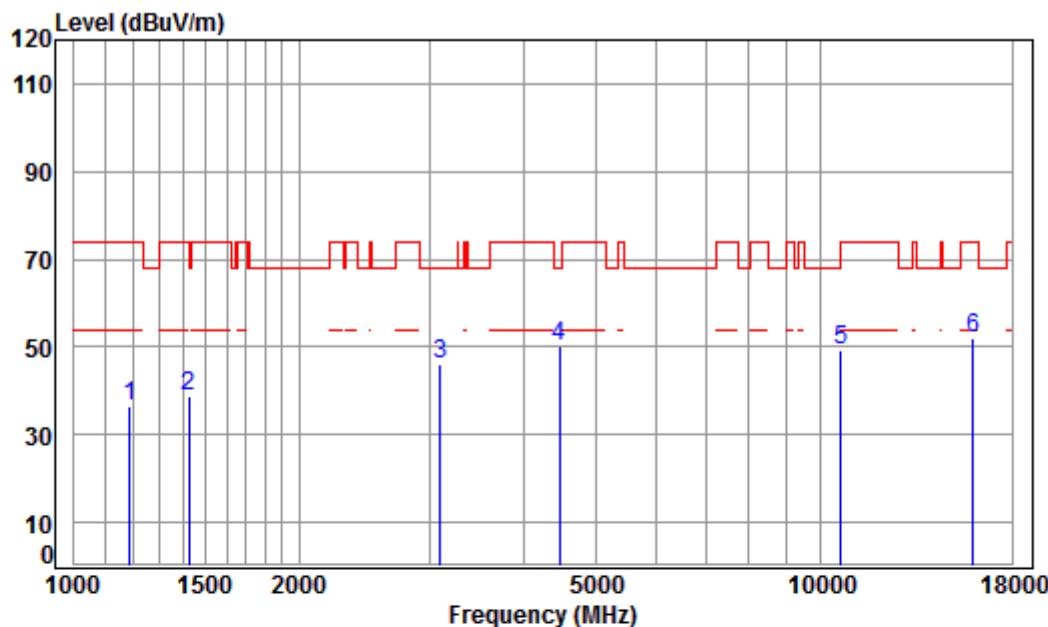
Note : 5G WIFI 11AC20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1245.663	4.60	24.79	38.70	44.67	35.36	68.20	-32.84 peak
2 1653.550	5.28	26.48	38.70	45.82	38.88	68.20	-29.32 peak
3 3159.355	6.14	31.17	37.85	47.72	47.18	68.20	-21.02 peak
4 pp 4417.841	7.47	33.46	38.14	48.30	51.09	68.20	-17.11 peak
5 10600.000	11.36	37.72	36.36	36.58	49.30	68.20	-18.90 peak
6 15900.000	14.84	40.94	37.87	33.98	51.89	74.00	-22.11 peak

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



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



Condition: 3m VERTICAL

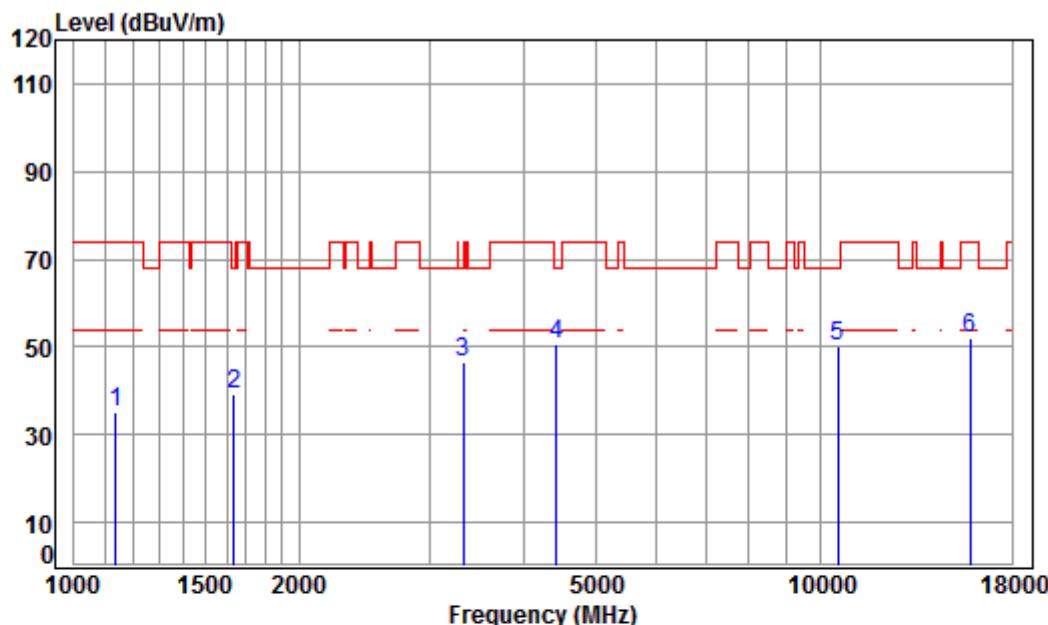
Job No : 02324CR

Mode : 5320 TX RSE

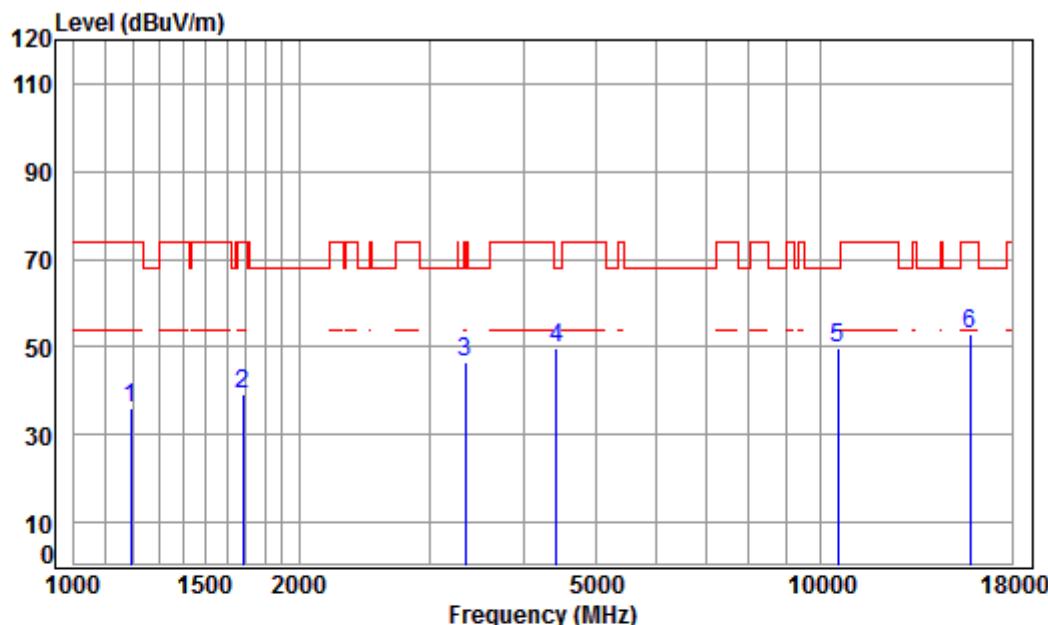
Note : 5G WIFI 11AC20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1189.368	4.38	24.54	38.70	46.27	36.49	74.00	-37.51 peak
2 1426.916	5.24	25.53	38.70	46.63	38.70	74.00	-35.30 peak
3 3096.075	6.08	31.06	37.83	46.85	46.16	68.20	-22.04 peak
4 pp 4469.214	7.53	33.55	38.15	47.41	50.34	68.20	-17.86 peak
5 10640.000	11.39	37.73	36.37	36.65	49.40	74.00	-24.60 peak
6 15960.000	14.93	40.98	37.83	34.04	52.12	74.00	-21.88 peak

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



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



Condition: 3m VERTICAL

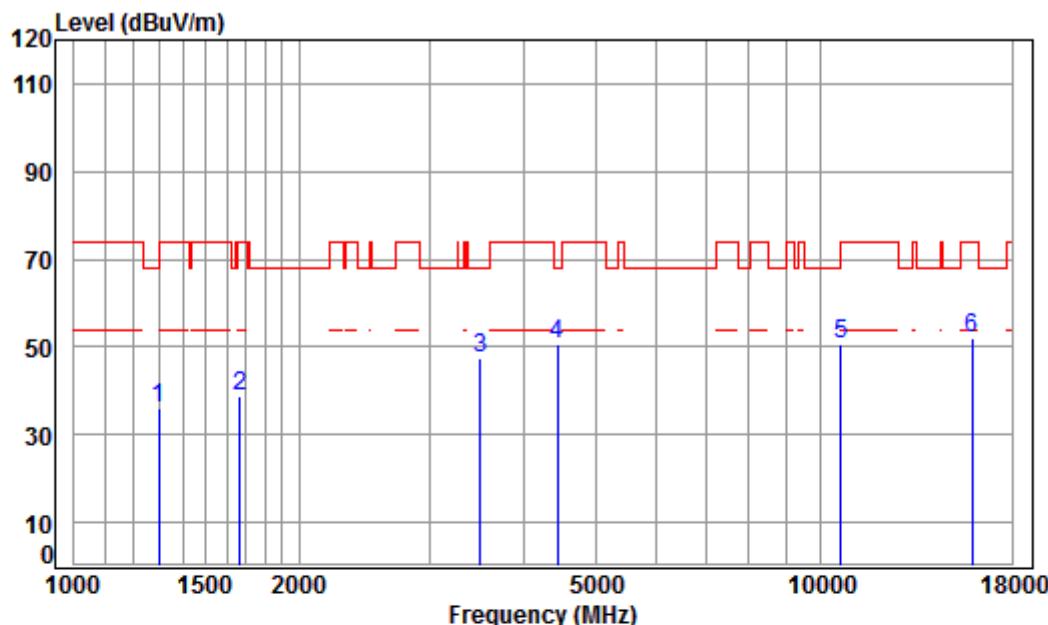
Job No : 02324CR

Mode : 5270 TX RSE

Note : 5G WIFI 11AC40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1192.811	4.39	24.56	38.70	45.92	36.17	74.00	-37.83 peak
2 1682.477	5.25	26.60	38.70	45.88	39.03	74.00	-34.97 peak
3 3337.710	6.31	31.45	37.91	46.72	46.57	74.00	-27.43 peak
4 pp 4417.841	7.47	33.46	38.14	46.96	49.75	68.20	-18.45 peak
5 10540.000	11.32	37.71	36.36	36.96	49.63	68.20	-18.57 peak
6 15810.000	14.71	40.89	37.93	35.05	52.72	74.00	-21.28 peak

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



Condition: 3m HORIZONTAL

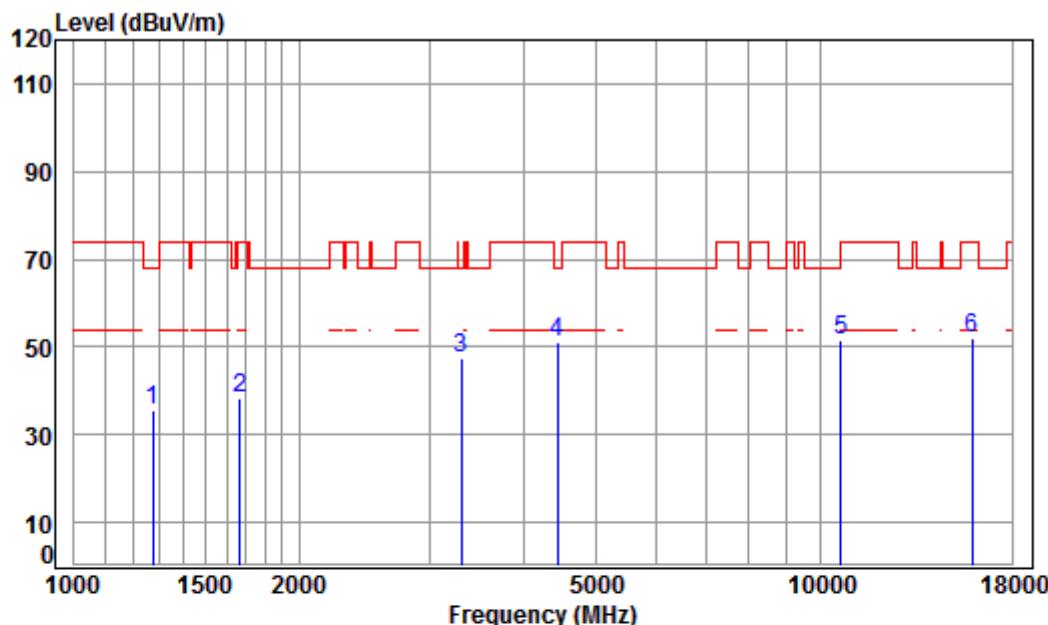
Job No : 02324CR

Mode : 5310 TX RSE

Note : 5G WIFI 11AC40

Freq	Cable		Ant		Preamp		Read		Limit	Over	Remark
	Loss	Factor	Factor	Factor	Level	Level	Level	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB				
1 1297.103	4.79	25.01	38.70	44.91	36.01	68.20	-32.19	peak			
2 1667.951	5.27	26.54	38.70	45.71	38.82	74.00	-35.18	peak			
3 3495.691	6.46	31.69	37.96	47.26	47.45	68.20	-20.75	peak			
4 pp 4430.628	7.48	33.48	38.15	48.02	50.83	68.20	-17.37	peak			
5 10620.000	11.37	37.72	36.36	37.97	50.70	74.00	-23.30	peak			
6 15930.000	14.89	40.96	37.85	34.16	52.16	74.00	-21.84	peak			

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



Condition: 3m VERTICAL

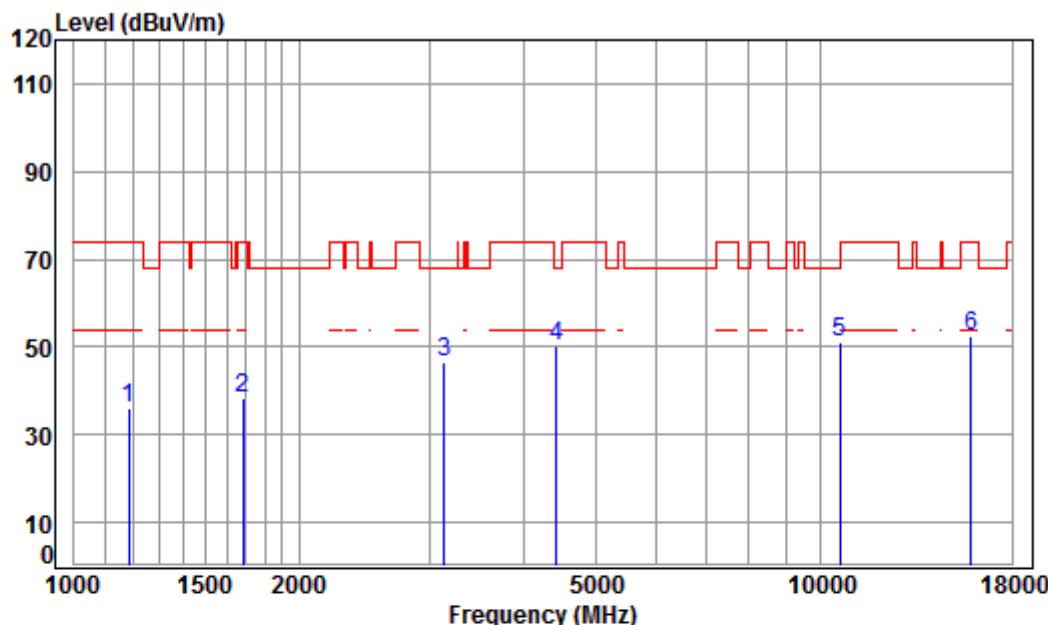
Job No : 02324CR

Mode : 5310 TX RSE

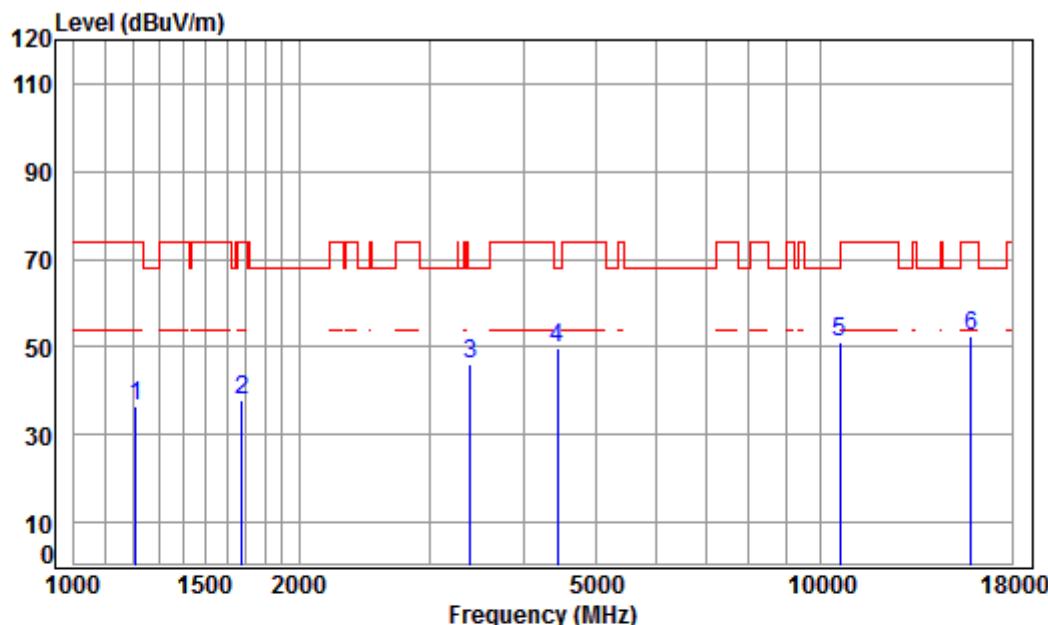
Note : 5G WIFI 11AC40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	Level			
1 1274.802	4.71	24.92	38.70	44.67	35.60	68.20	-32.60	peak
2 1667.951	5.27	26.54	38.70	45.37	38.48	74.00	-35.52	peak
3 3299.344	6.28	31.39	37.90	47.56	47.33	68.20	-20.87	peak
4 pp 4430.628	7.48	33.48	38.15	48.45	51.26	68.20	-16.94	peak
5 10620.000	11.37	37.72	36.36	38.75	51.48	74.00	-22.52	peak
6 15930.000	14.89	40.96	37.85	34.08	52.08	74.00	-21.92	peak

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



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



Condition: 3m VERTICAL

Job No : 02324CR

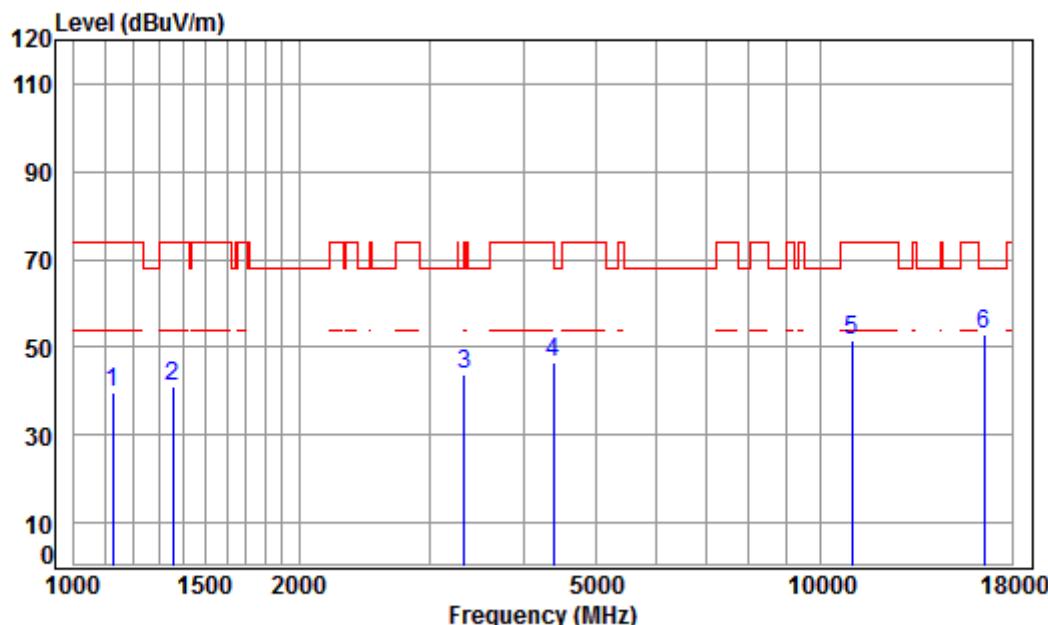
Mode : 5290 TX RSE

Note : 5G WIFI 11AC80

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1210.174	4.46	24.64	38.70	45.93	36.33	74.00	-37.67 peak
2 1677.621	5.25	26.58	38.70	44.95	38.08	74.00	-35.92 peak
3 3396.098	6.37	31.54	37.93	46.22	46.20	68.20	-22.00 peak
4 4430.628	7.48	33.48	38.15	47.11	49.92	68.20	-18.28 peak
5 pp10580.000	11.35	37.72	36.36	38.47	51.18	68.20	-17.02 peak
6 15870.000	14.80	40.92	37.89	34.75	52.58	74.00	-21.42 peak

**Band 2C:**

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



Condition: 3m HORIZONTAL

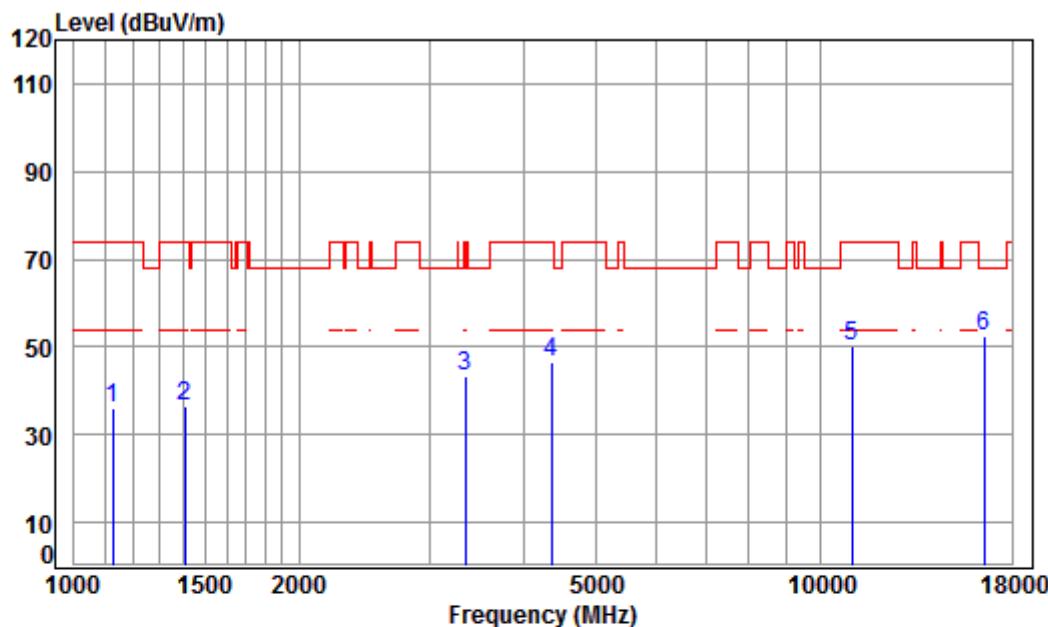
Job No : 02324CR

Mode : 5500 TX RSE

Note : 5G WIFI 11A

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1125.813	4.11	24.24	41.12	52.34	39.57	74.00	-34.43	peak
2	1354.577	4.99	25.25	41.30	52.27	41.21	74.00	-32.79	peak
3	3328.077	6.30	31.44	42.18	48.10	43.66	68.20	-24.54	peak
4	4379.699	7.43	33.39	42.40	48.17	46.59	74.00	-27.41	peak
5	11000.000	11.63	37.80	37.88	40.16	51.71	74.00	-22.29	peak
6	pp16500.000	14.50	42.20	39.86	36.24	53.08	68.20	-15.12	peak

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



Condition: 3m VERTICAL

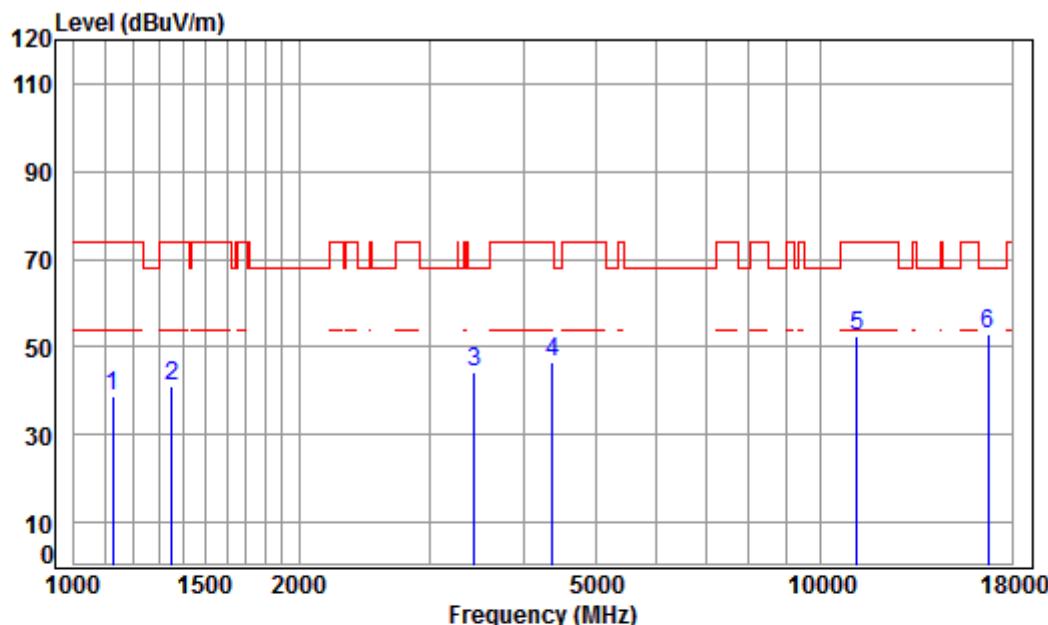
Job No : 02324CR

Mode : 5500 TX RSE

Note : 5G WIFI 11A

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1125.813	4.11	24.24	41.12	48.77	36.00	74.00	-38.00	peak
2	1406.443	5.17	25.45	41.34	47.35	36.63	74.00	-37.37	peak
3	3337.710	6.31	31.45	42.18	47.85	43.43	74.00	-30.57	peak
4	4354.454	7.40	33.35	42.39	48.15	46.51	74.00	-27.49	peak
5	11000.000	11.63	37.80	37.88	38.75	50.30	74.00	-23.70	peak
6	pp16500.000	14.50	42.20	39.86	35.74	52.58	68.20	-15.62	peak

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



Condition: 3m HORIZONTAL

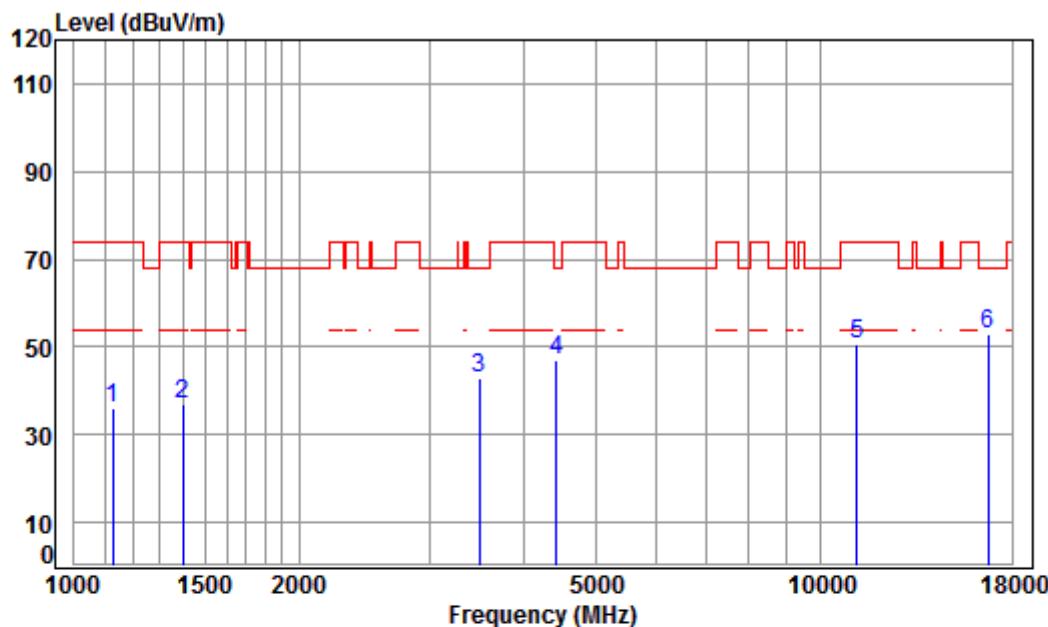
Job No : 02324CR

Mode : 5580 TX RSE

Note : 5G WIFI 11A

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level			
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1125.813	4.11	24.24	41.12	51.69	38.92	74.00	-35.08 peak
2	1350.667	4.98	25.23	41.30	52.07	40.98	74.00	-33.02 peak
3	3435.590	6.40	31.60	42.21	48.37	44.16	68.20	-24.04 peak
4	4367.058	7.41	33.37	42.39	47.94	46.33	74.00	-27.67 peak
5	11160.000	11.80	37.83	37.98	40.67	52.32	74.00	-21.68 peak
6	pp16740.000	15.57	42.39	40.07	35.01	52.90	68.20	-15.30 peak

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



Condition: 3m VERTICAL

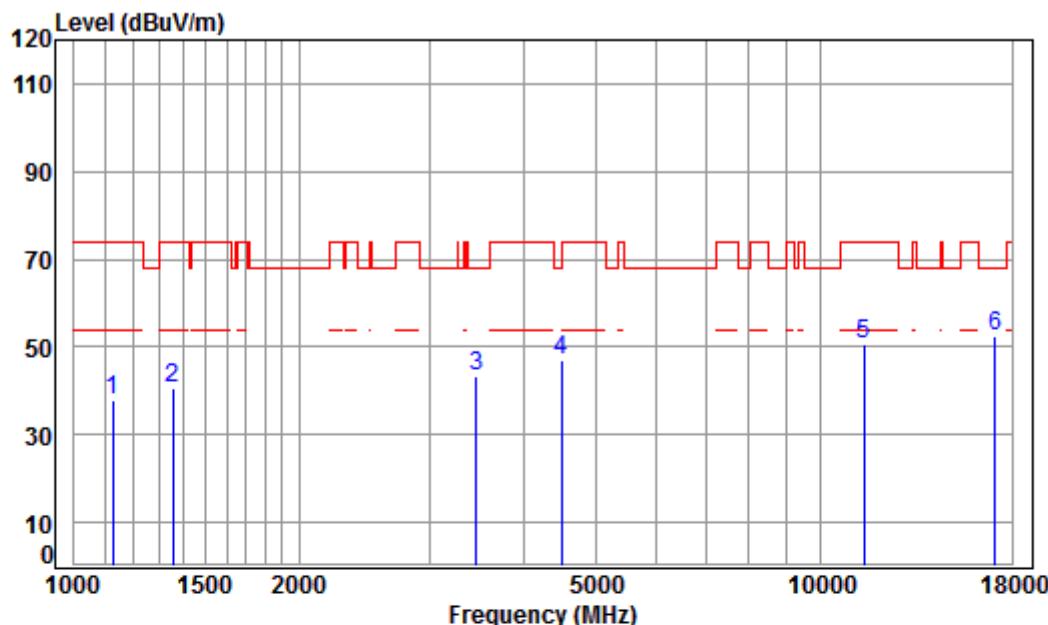
Job No : 02324CR

Mode : 5580 TX RSE

Note : 5G WIFI 11A

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1125.813	4.11	24.24	41.12	48.74	35.97	74.00	-38.03 peak
2	1398.336	5.15	25.42	41.34	47.74	36.97	74.00	-37.03 peak
3	3485.601	6.45	31.68	42.22	46.93	42.84	68.20	-25.36 peak
4	4417.841	7.47	33.46	42.40	48.40	46.93	68.20	-21.27 peak
5	11160.000	11.80	37.83	37.98	38.93	50.58	74.00	-23.42 peak
6	pp16740.000	15.57	42.39	40.07	35.07	52.96	68.20	-15.24 peak

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



Condition: 3m HORIZONTAL

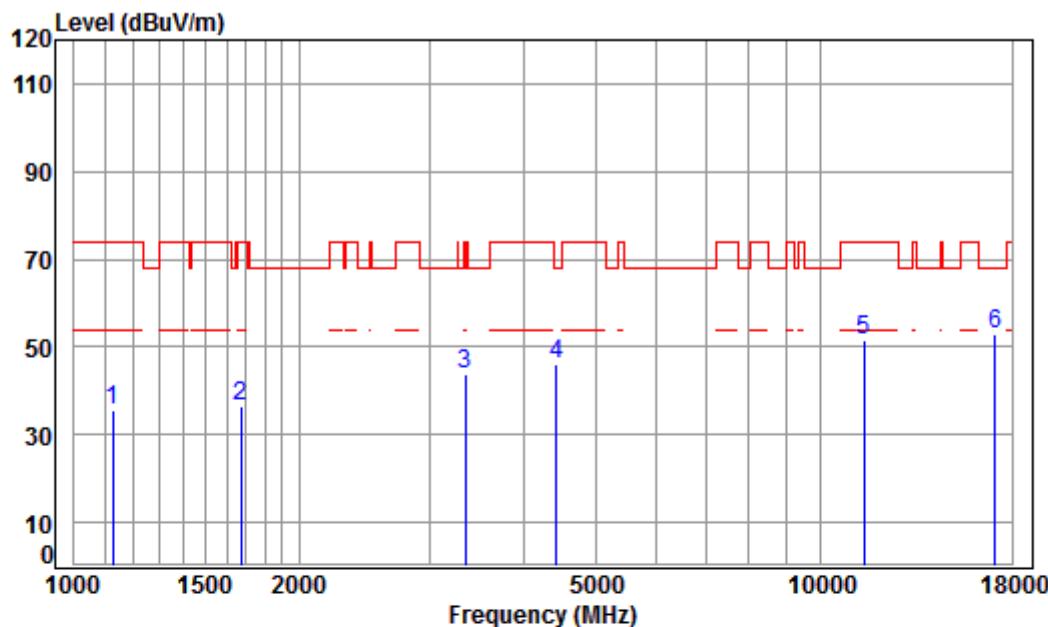
Job No : 02324CR

Mode : 5700 TX RSE

Note : 5G WIFI 11A

Freq	Cable		Ant		Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level					
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1 1125.813	4.11	24.24	41.12	50.83	38.06	74.00	-35.94	peak	
2 1354.577	4.99	25.25	41.30	51.88	40.82	74.00	-33.18	peak	
3 3455.508	6.42	31.63	42.21	47.47	43.31	68.20	-24.89	peak	
4 4495.125	7.55	33.59	42.42	48.33	47.05	68.20	-21.15	peak	
5 11400.000	12.04	37.88	38.13	38.78	50.57	74.00	-23.43	peak	
6 pp17100.000	16.49	42.66	40.37	33.87	52.65	68.20	-15.55	peak	

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



Condition: 3m VERTICAL

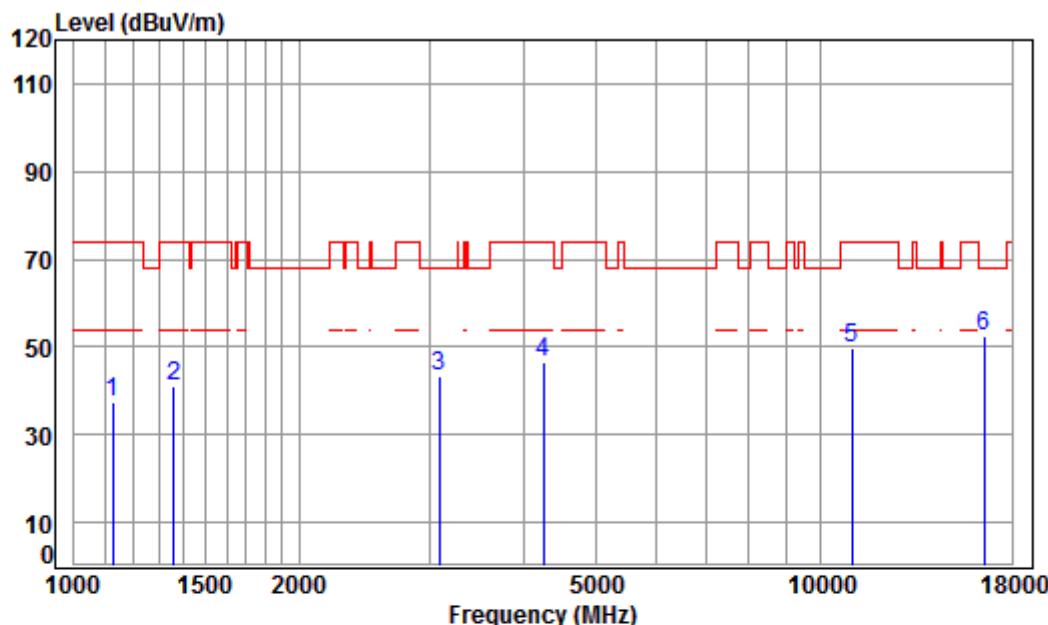
Job No : 02324CR

Mode : 5700 TX RSE

Note : 5G WIFI 11A

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1125.813	4.11	24.24	41.12	48.29	35.52	74.00	-38.48 peak
2	1672.779	5.26	26.56	41.52	46.42	36.72	74.00	-37.28 peak
3	3337.710	6.31	31.45	42.18	48.39	43.97	74.00	-30.03 peak
4	4417.841	7.47	33.46	42.40	47.73	46.26	68.20	-21.94 peak
5	11400.000	12.04	37.88	38.13	39.98	51.77	74.00	-22.23 peak
6	pp17100.000	16.49	42.66	40.37	34.00	52.78	68.20	-15.42 peak

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



Condition: 3m HORIZONTAL

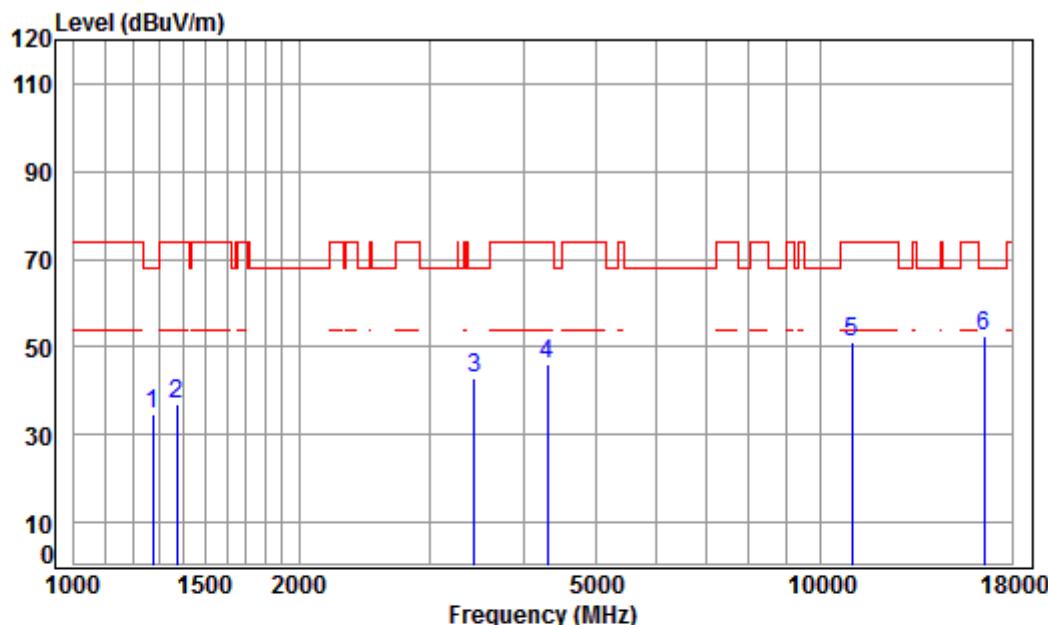
Job No : 02324CR

Mode : 5500 TX RSE

Note : 5G WIFI 11N20

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level			
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1125.813	4.11	24.24	41.12	49.98	37.21	74.00	-36.79 peak
2	1362.430	5.02	25.28	41.31	52.10	41.09	74.00	-32.91 peak
3	3078.229	6.06	31.03	42.12	48.33	43.30	68.20	-24.90 peak
4	4254.921	7.28	33.17	42.37	48.43	46.51	74.00	-27.49 peak
5	11000.000	11.63	37.80	37.88	38.34	49.89	74.00	-24.11 peak
6	pp16500.000	14.50	42.20	39.86	35.69	52.53	68.20	-15.67 peak

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



Condition: 3m VERTICAL

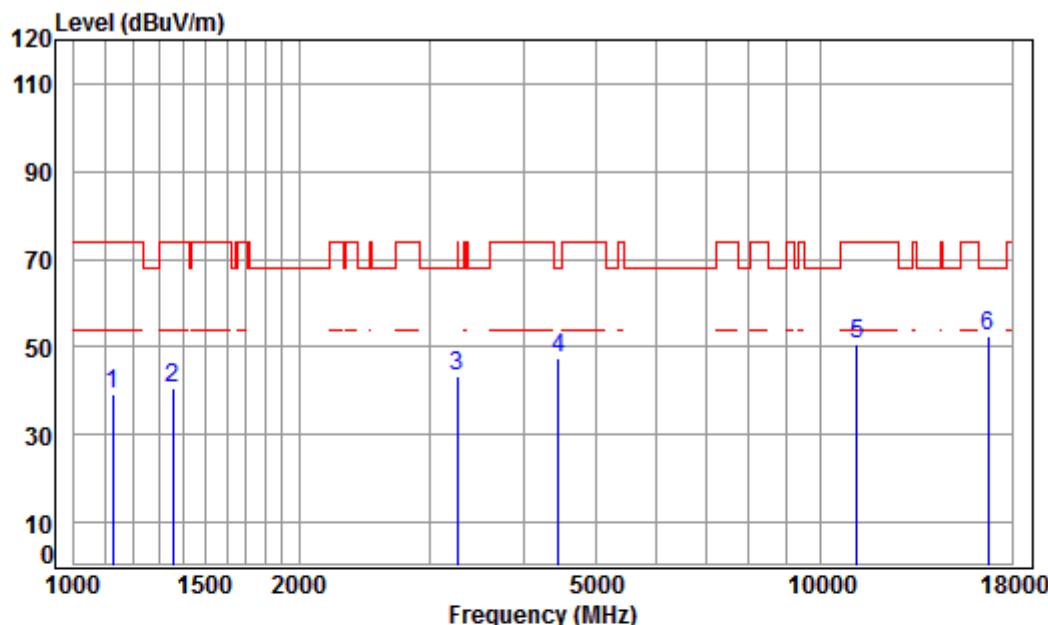
Job No : 02324CR

Mode : 5500 TX RSE

Note : 5G WIFI 11N20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1274.802	4.71	24.92	41.24	46.51	34.90	68.20	-33.30 peak
2	1374.295	5.06	25.33	41.32	48.11	37.18	74.00	-36.82 peak
3	3435.590	6.40	31.60	42.21	47.31	43.10	68.20	-25.10 peak
4	4304.400	7.34	33.26	42.38	47.90	46.12	74.00	-27.88 peak
5	11000.000	11.63	37.80	37.88	39.77	51.32	74.00	-22.68 peak
6	pp16500.000	14.50	42.20	39.86	35.41	52.25	68.20	-15.95 peak

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



Condition: 3m HORIZONTAL

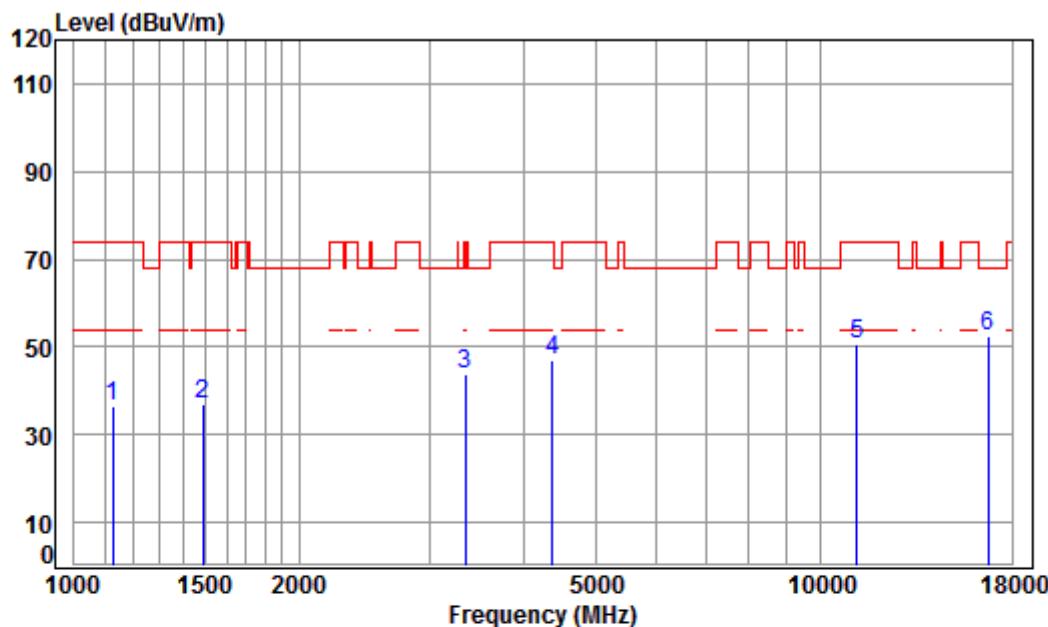
Job No : 02324CR

Mode : 5580 TX RSE

Note : 5G WIFI 11N20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1125.813	4.11	24.24	41.12	51.87	39.10	74.00	-34.90 peak
2	1354.577	4.99	25.25	41.30	51.76	40.70	74.00	-33.30 peak
3	3261.418	6.24	31.33	42.17	47.80	43.20	74.00	-30.80 peak
4	4456.315	7.51	33.53	42.41	48.66	47.29	68.20	-20.91 peak
5	11160.000	11.80	37.83	37.98	39.02	50.67	74.00	-23.33 peak
6	pp16740.000	15.57	42.39	40.07	34.65	52.54	68.20	-15.66 peak

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



Condition: 3m VERTICAL

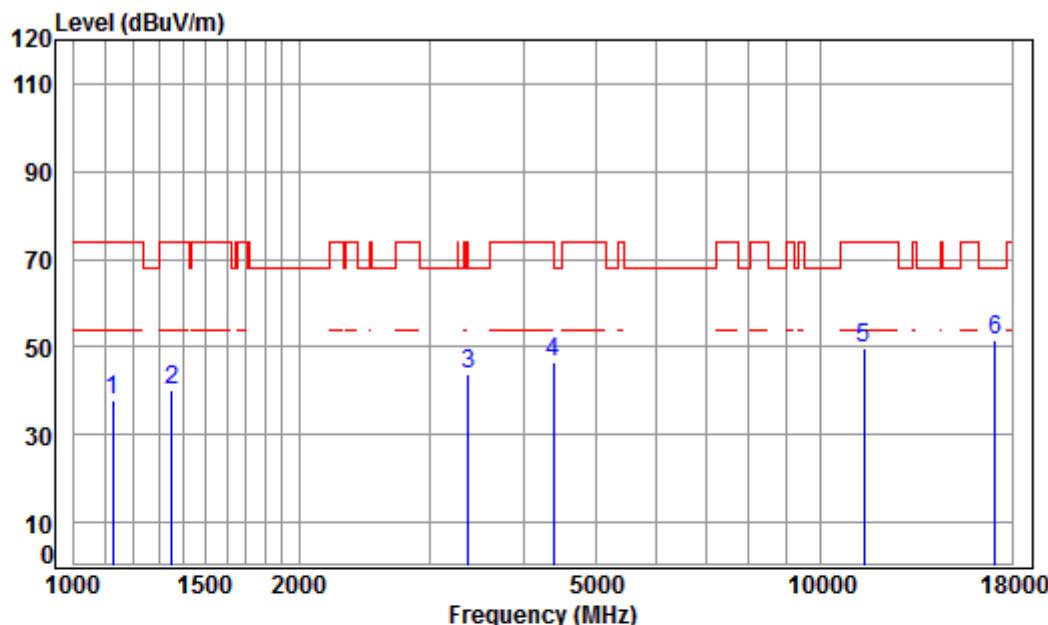
Job No : 02324CR

Mode : 5580 TX RSE

Note : 5G WIFI 11N20

Freq	Cable		Ant		Preamp		Read		Limit	Over	Remark
	Loss	Factor	Factor	Factor	Level	Level	Level	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB				
1 1125.813	4.11	24.24	41.12	49.34	36.57	74.00	-37.43	peak			
2 1490.142	5.45	25.76	41.40	46.93	36.74	74.00	-37.26	peak			
3 3337.710	6.31	31.45	42.18	48.37	43.95	74.00	-30.05	peak			
4 4367.058	7.41	33.37	42.39	48.43	46.82	74.00	-27.18	peak			
5 11160.000	11.80	37.83	37.98	38.94	50.59	74.00	-23.41	peak			
6 pp16740.000	15.57	42.39	40.07	34.75	52.64	68.20	-15.56	peak			

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



Condition: 3m HORIZONTAL

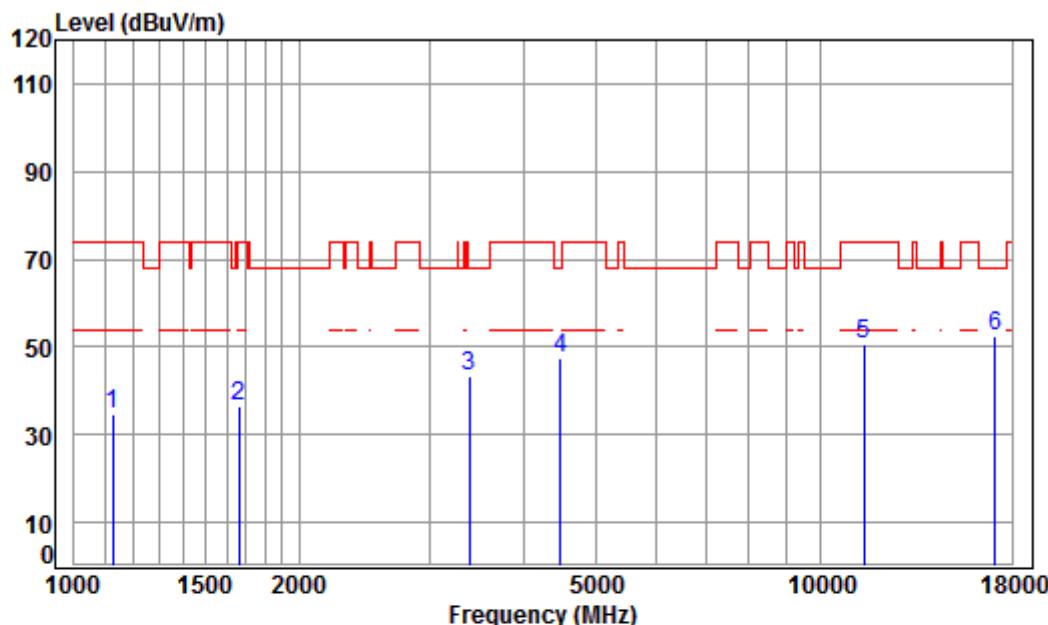
Job No : 02324CR

Mode : 5700 TX RSE

Note : 5G WIFI 11N20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1125.813	4.11	24.24	41.12	50.49	37.72	74.00	-36.28 peak
2 1350.667	4.98	25.23	41.30	51.24	40.15	74.00	-33.85 peak
3 3366.778	6.34	31.50	42.19	47.94	43.59	68.20	-24.61 peak
4 4379.699	7.43	33.39	42.40	47.96	46.38	74.00	-27.62 peak
5 11400.000	12.04	37.88	38.13	37.80	49.59	74.00	-24.41 peak
6 pp17100.000	16.49	42.66	40.37	32.94	51.72	68.20	-16.48 peak

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



Condition: 3m VERTICAL

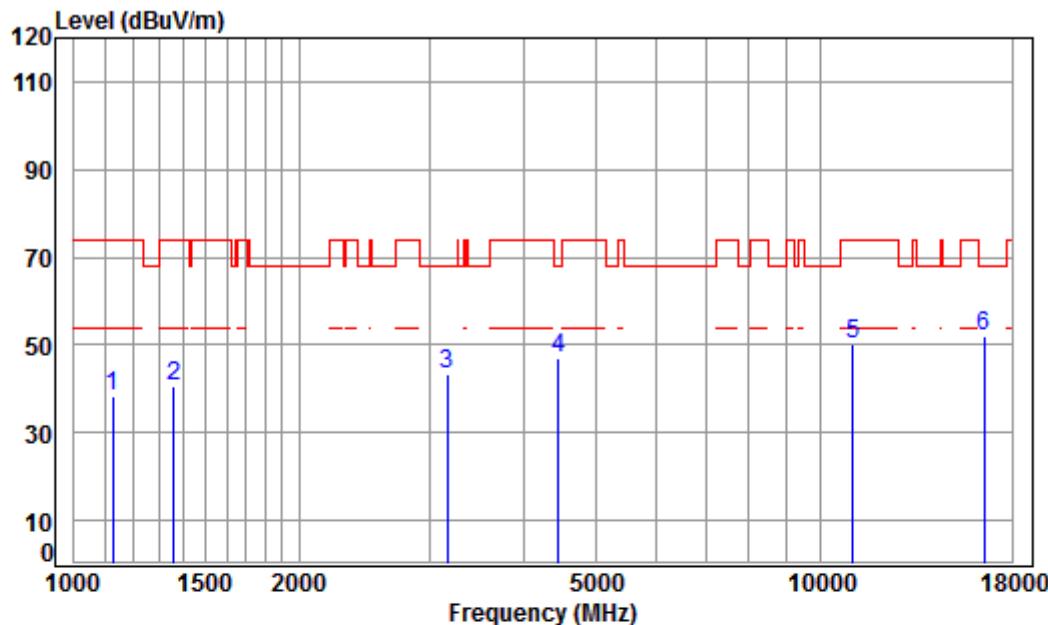
Job No : 02324CR

Mode : 5700 TX RSE

Note : 5G WIFI 11N20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1125.813	4.11	24.24	41.12	47.28	34.51	74.00	-39.49 peak
2	1663.137	5.27	26.52	41.51	46.38	36.66	74.00	-37.34 peak
3	3386.297	6.36	31.53	42.19	47.62	43.32	68.20	-24.88 peak
4	4482.150	7.54	33.57	42.41	48.74	47.44	68.20	-20.76 peak
5	11400.000	12.04	37.88	38.13	38.82	50.61	74.00	-23.39 peak
6	pp17100.000	16.49	42.66	40.37	33.69	52.47	68.20	-15.73 peak

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



Condition: 3m HORIZONTAL

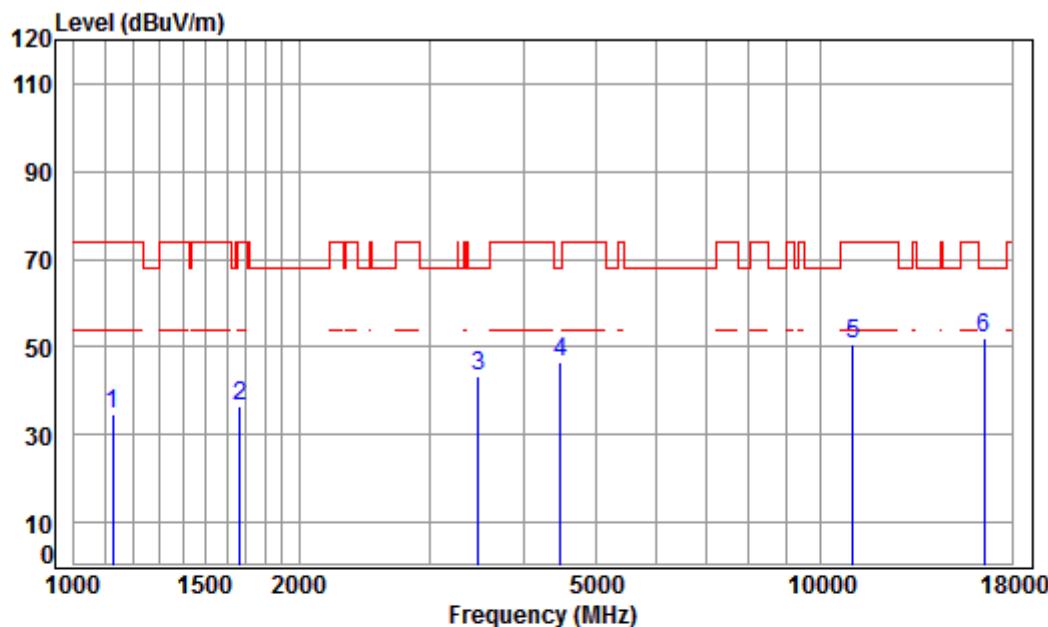
Job No : 02324CR

Mode : 5510 TX RSE

Note : 5G WIFI 11N40

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level			
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1125.813	4.11	24.24	41.12	51.26	38.49	74.00	-35.51 peak
2	1362.430	5.02	25.28	41.31	51.74	40.73	74.00	-33.27 peak
3	3159.355	6.14	31.17	42.14	47.97	43.14	68.20	-25.06 peak
4	4456.315	7.51	33.53	42.41	48.36	46.99	68.20	-21.21 peak
5	11020.000	11.65	37.80	37.89	38.69	50.25	74.00	-23.75 peak
6	pp16530.000	14.63	42.22	39.89	35.04	52.00	68.20	-16.20 peak

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



Condition: 3m VERTICAL

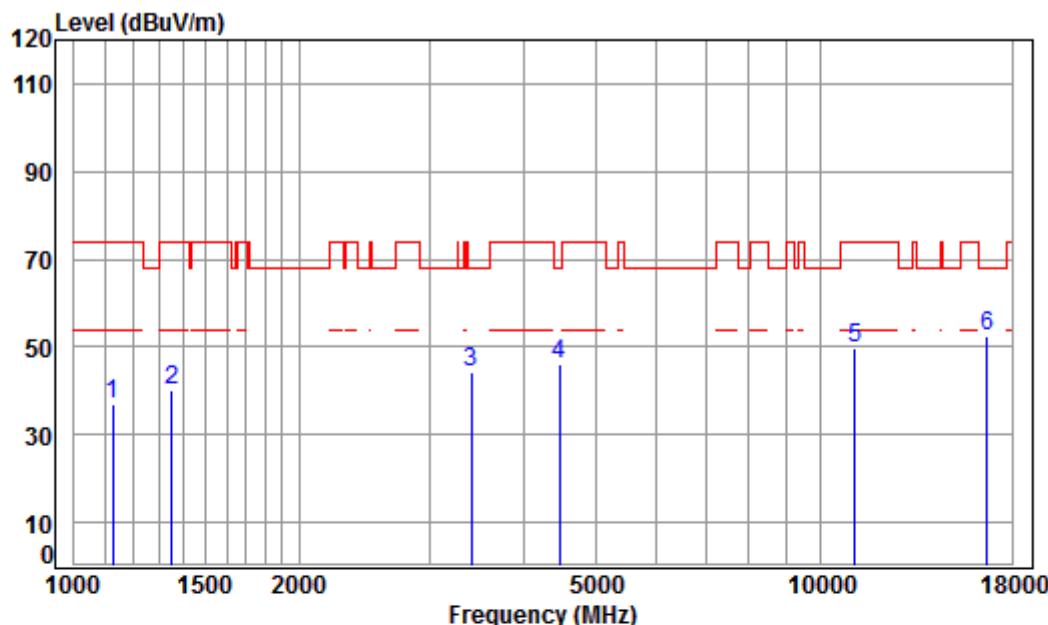
Job No : 02324CR

Mode : 5510 TX RSE

Note : 5G WIFI 11N40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1125.813	4.11	24.24	41.12	47.32	34.55	74.00	-39.45 peak
2	1667.951	5.27	26.54	41.51	46.22	36.52	74.00	-37.48 peak
3	3475.541	6.44	31.66	42.22	47.36	43.24	68.20	-24.96 peak
4	4482.150	7.54	33.57	42.41	47.62	46.32	68.20	-21.88 peak
5	11020.000	11.65	37.80	37.89	38.99	50.55	74.00	-23.45 peak
6	pp16530.000	14.63	42.22	39.89	35.11	52.07	68.20	-16.13 peak

Mode:i; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:Middle



Condition: 3m HORIZONTAL

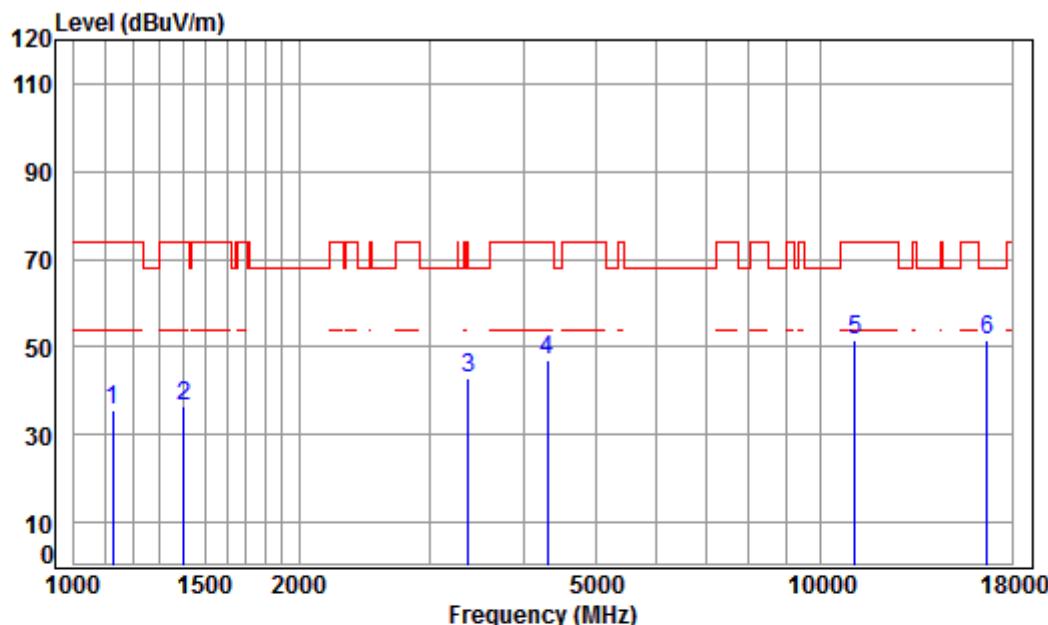
Job No : 02324CR

Mode : 5550 TX RSE

Note : 5G WIFI 11N40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 1125.813	4.11	24.24	41.12	49.93	37.16	74.00	-36.84	peak
2 1350.667	4.98	25.23	41.30	51.47	40.38	74.00	-33.62	peak
3 3405.929	6.38	31.56	42.20	48.65	44.39	68.20	-23.81	peak
4 4469.214	7.53	33.55	42.41	47.29	45.96	68.20	-22.24	peak
5 11100.000	11.73	37.82	37.94	38.08	49.69	74.00	-24.31	peak
6 pp16650.000	15.17	42.32	39.99	34.87	52.37	68.20	-15.83	peak

Mode:i; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:Middle



Condition: 3m VERTICAL

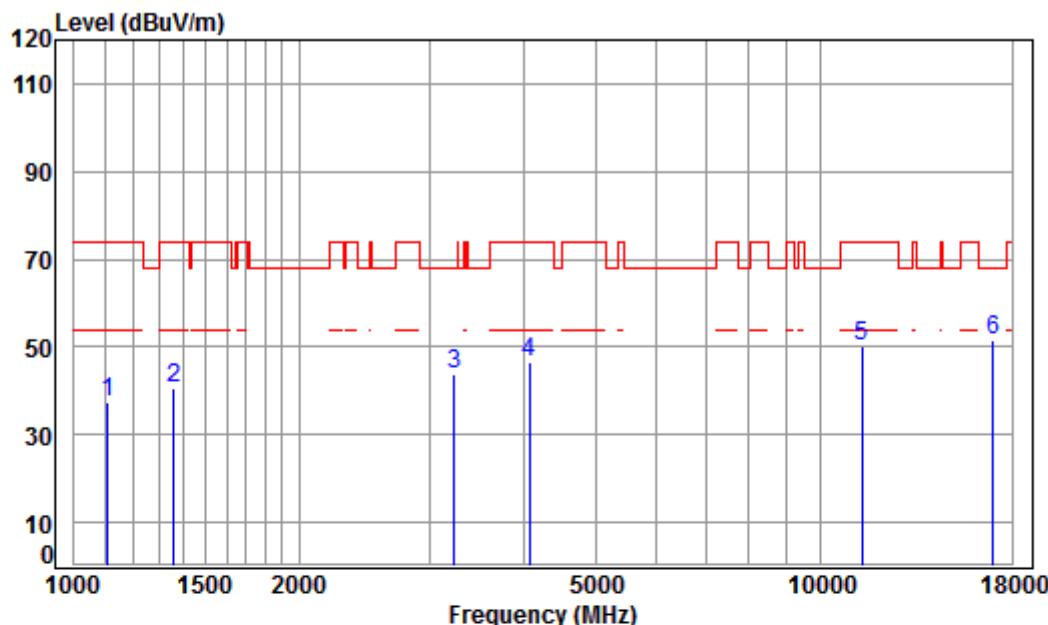
Job No : 02324CR

Mode : 5550 TX RSE

Note : 5G WIFI 11N40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1125.813	4.11	24.24	41.12	48.49	35.72	74.00	-38.28	peak
2	1402.384	5.16	25.43	41.34	47.11	36.36	74.00	-37.64	peak
3	3366.778	6.34	31.50	42.19	47.03	42.68	68.20	-25.52	peak
4	4304.400	7.34	33.26	42.38	48.71	46.93	74.00	-27.07	peak
5	11100.000	11.73	37.82	37.94	39.83	51.44	74.00	-22.56	peak
6	pp16650.000	15.17	42.32	39.99	34.14	51.64	68.20	-16.56	peak

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



Condition: 3m HORIZONTAL

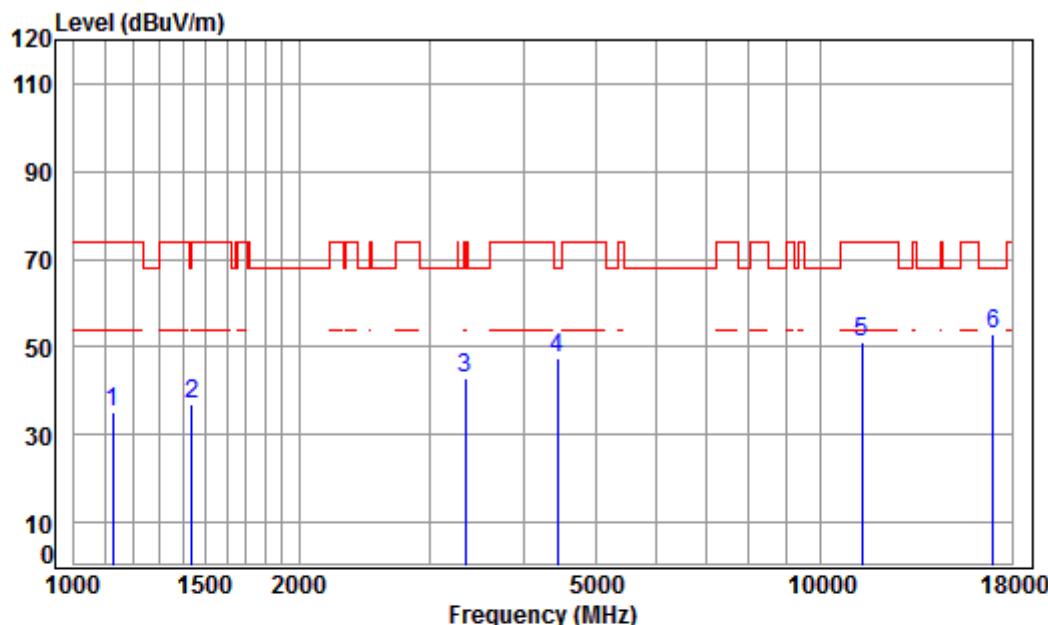
Job No : 02324CR

Mode : 5670 TX RSE

Note : 5G WIFI 11N40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1109.660	4.05	24.16	41.10	50.25	37.36	74.00	-36.64 peak
2	1358.498	5.01	25.26	41.31	51.77	40.73	74.00	-33.27 peak
3	3223.928	6.20	31.27	42.16	48.42	43.73	68.20	-24.47 peak
4	4074.388	7.07	32.84	42.34	48.96	46.53	74.00	-27.47 peak
5	11340.000	11.98	37.87	38.10	38.35	50.10	74.00	-23.90 peak
6	pp17010.000	16.69	42.61	40.29	32.57	51.58	68.20	-16.62 peak

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



Condition: 3m VERTICAL

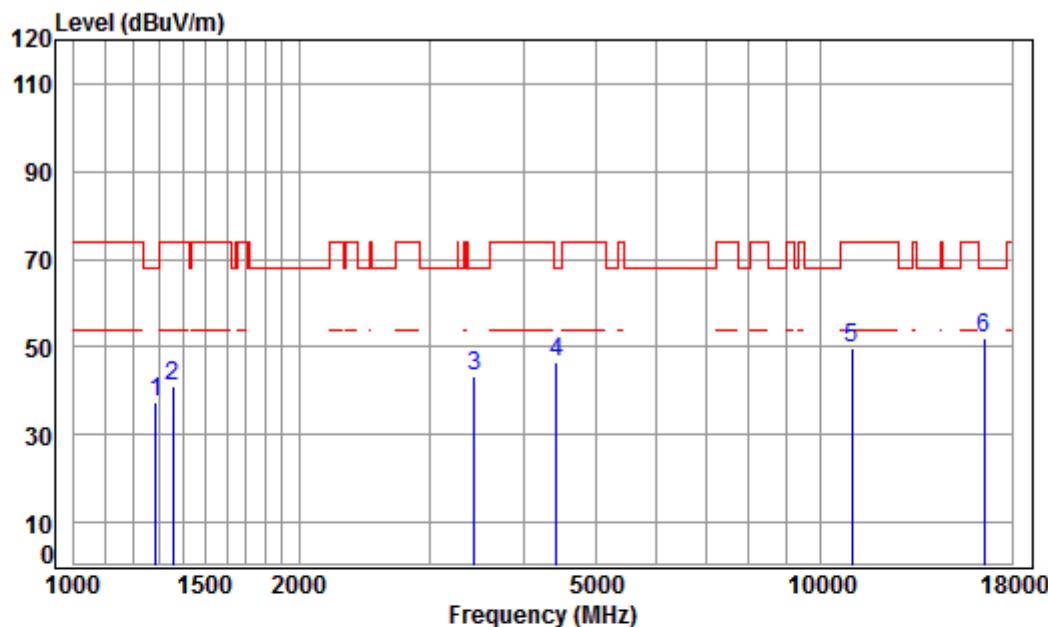
Job No : 02324CR

Mode : 5670 TX RSE

Note : 5G WIFI 11N40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1125.813	4.11	24.24	41.12	48.00	35.23	74.00	-38.77 peak
2 1439.343	5.28	25.58	41.36	47.34	36.84	74.00	-37.16 peak
3 3337.710	6.31	31.45	42.18	47.08	42.66	74.00	-31.34 peak
4 4430.628	7.48	33.48	42.41	49.00	47.55	68.20	-20.65 peak
5 11340.000	11.98	37.87	38.10	39.14	50.89	74.00	-23.11 peak
6 pp17010.000	16.69	42.61	40.29	33.97	52.98	68.20	-15.22 peak

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



Condition: 3m HORIZONTAL

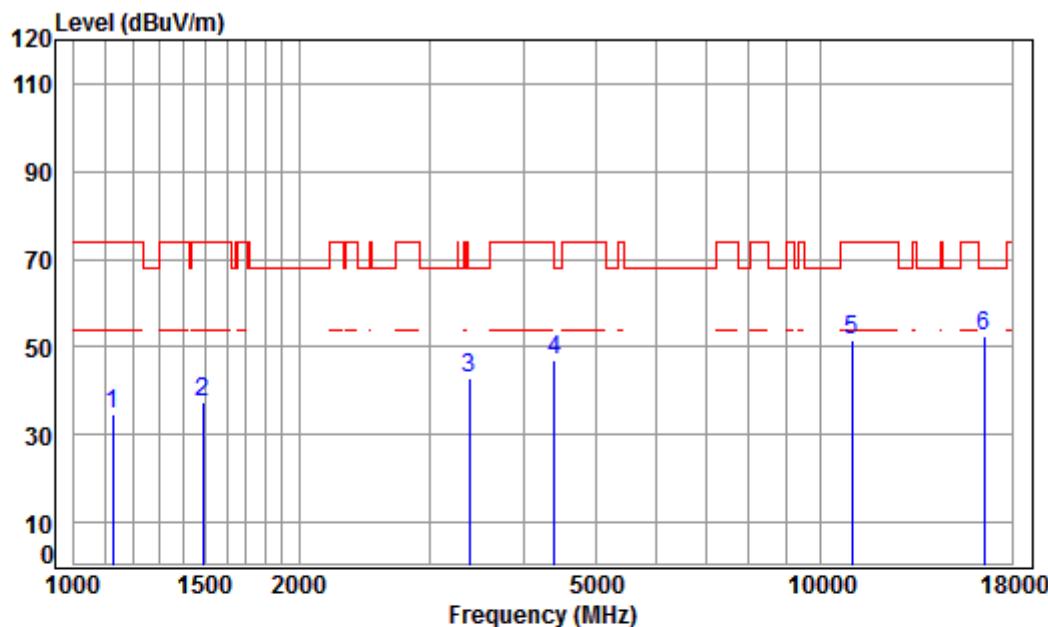
Job No : 02324CR

Mode : 5500 TX RSE

Note : 5G WIFI 11AC20

Freq	Cable		Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 1285.904	4.75	24.96	41.25	48.87	37.33	68.20	-30.87	peak
2 1354.577	4.99	25.25	41.30	51.95	40.89	74.00	-33.11	peak
3 3435.590	6.40	31.60	42.21	47.43	43.22	68.20	-24.98	peak
4 4417.841	7.47	33.46	42.40	47.80	46.33	68.20	-21.87	peak
5 11000.000	11.63	37.80	37.88	38.33	49.88	74.00	-24.12	peak
6 pp16500.000	14.50	42.20	39.86	35.31	52.15	68.20	-16.05	peak

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



Condition: 3m VERTICAL

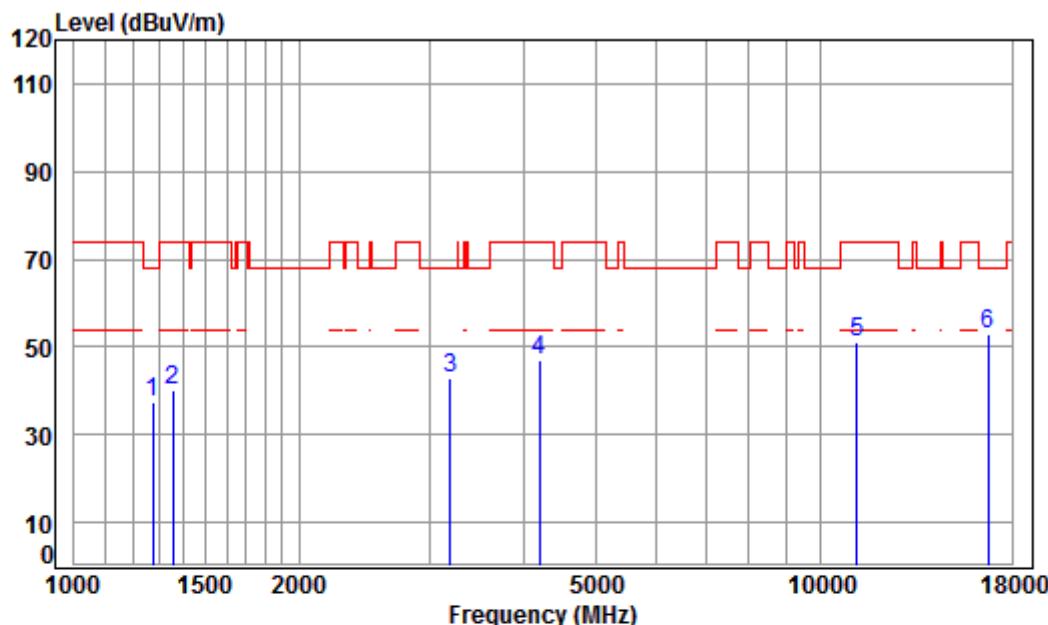
Job No : 02324CR

Mode : 5500 TX RSE

Note : 5G WIFI 11AC20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1125.813	4.11	24.24	41.12	47.62	34.85	74.00	-39.15 peak
2	1490.142	5.45	25.76	41.40	47.41	37.22	74.00	-36.78 peak
3	3386.297	6.36	31.53	42.19	47.37	43.07	68.20	-25.13 peak
4	4392.376	7.44	33.42	42.40	48.64	47.10	74.00	-26.90 peak
5	11000.000	11.63	37.80	37.88	39.96	51.51	74.00	-22.49 peak
6	pp16500.000	14.50	42.20	39.86	35.66	52.50	68.20	-15.70 peak

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



Condition: 3m HORIZONTAL

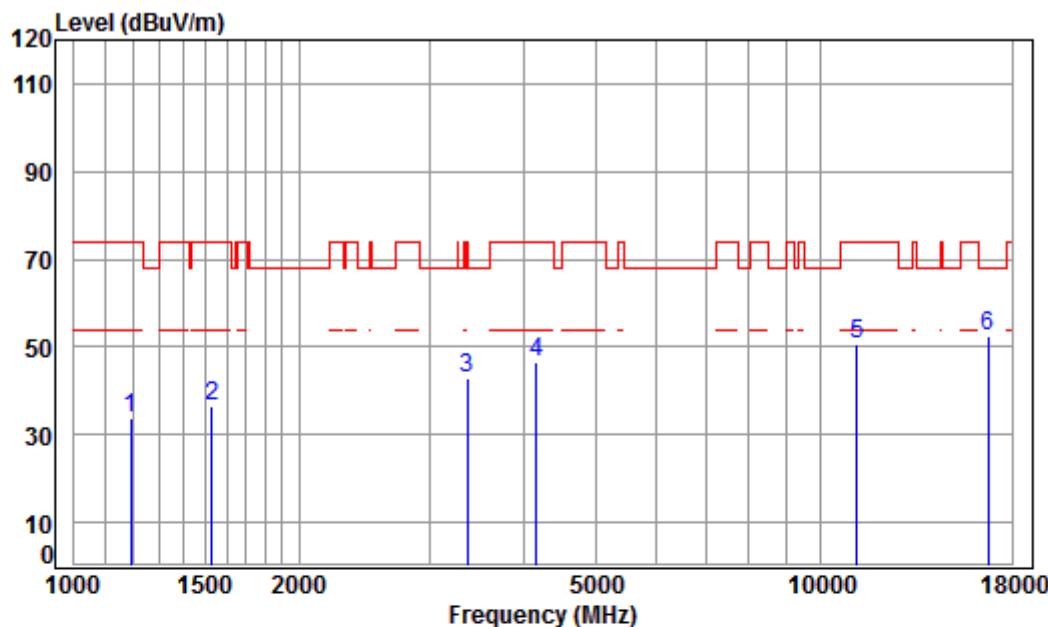
Job No : 02324CR

Mode : 5580 TX RSE

Note : 5G WIFI 11AC20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1274.802	4.71	24.92	41.24	49.15	37.54	68.20	-30.66	peak
2	1354.577	4.99	25.25	41.30	51.01	39.95	74.00	-34.05	peak
3	3186.869	6.17	31.21	42.15	47.48	42.71	68.20	-25.49	peak
4	4193.872	7.21	33.06	42.36	48.95	46.86	74.00	-27.14	peak
5	11160.000	11.80	37.83	37.98	39.46	51.11	74.00	-22.89	peak
6	pp16740.000	15.57	42.39	40.07	34.97	52.86	68.20	-15.34	peak

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



Condition: 3m VERTICAL

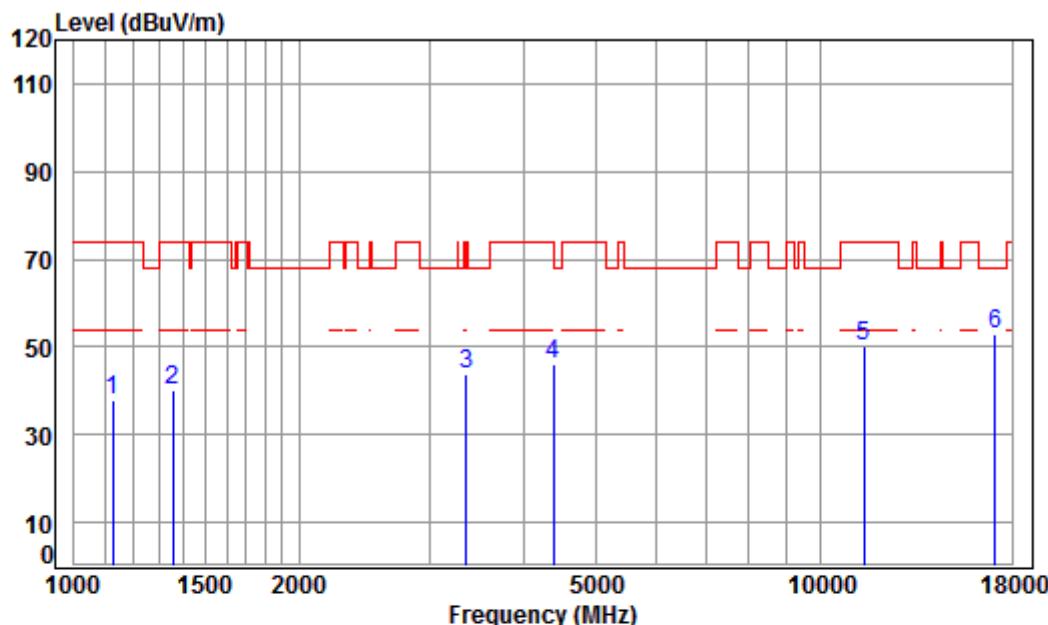
Job No : 02324CR

Mode : 5580 TX RSE

Note : 5G WIFI 11AC20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1192.811	4.39	24.56	41.18	46.00	33.77	74.00	-40.23 peak
2	1529.414	5.44	25.94	41.43	46.77	36.72	74.00	-37.28 peak
3	3357.061	6.33	31.48	42.19	47.28	42.90	74.00	-31.10 peak
4	4157.664	7.17	33.00	42.36	48.66	46.47	74.00	-27.53 peak
5	11160.000	11.80	37.83	37.98	38.84	50.49	74.00	-23.51 peak
6	pp16740.000	15.57	42.39	40.07	34.67	52.56	68.20	-15.64 peak

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



Condition: 3m HORIZONTAL

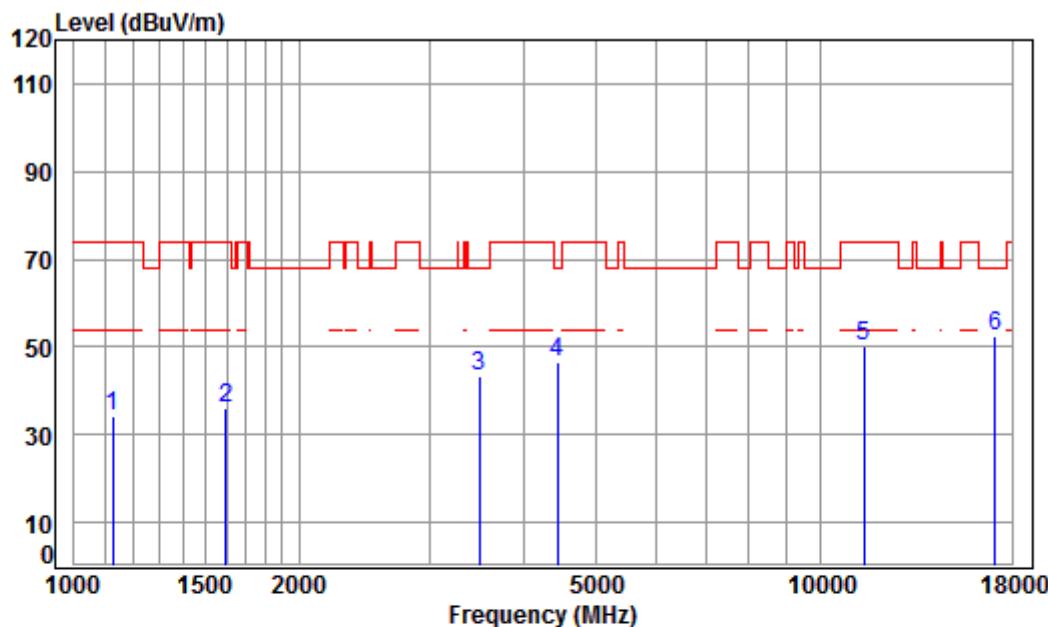
Job No : 02324CR

Mode : 5700 TX RSE

Note : 5G WIFI 11AC20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 1125.813	4.11	24.24	41.12	50.71	37.94	74.00	-36.06 peak
2 1354.577	4.99	25.25	41.30	51.23	40.17	74.00	-33.83 peak
3 3347.371	6.32	31.47	42.19	48.22	43.82	74.00	-30.18 peak
4 4379.699	7.43	33.39	42.40	47.74	46.16	74.00	-27.84 peak
5 11400.000	12.04	37.88	38.13	38.63	50.42	74.00	-23.58 peak
6 pp17100.000	16.49	42.66	40.37	34.23	53.01	68.20	-15.19 peak

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



Condition: 3m VERTICAL

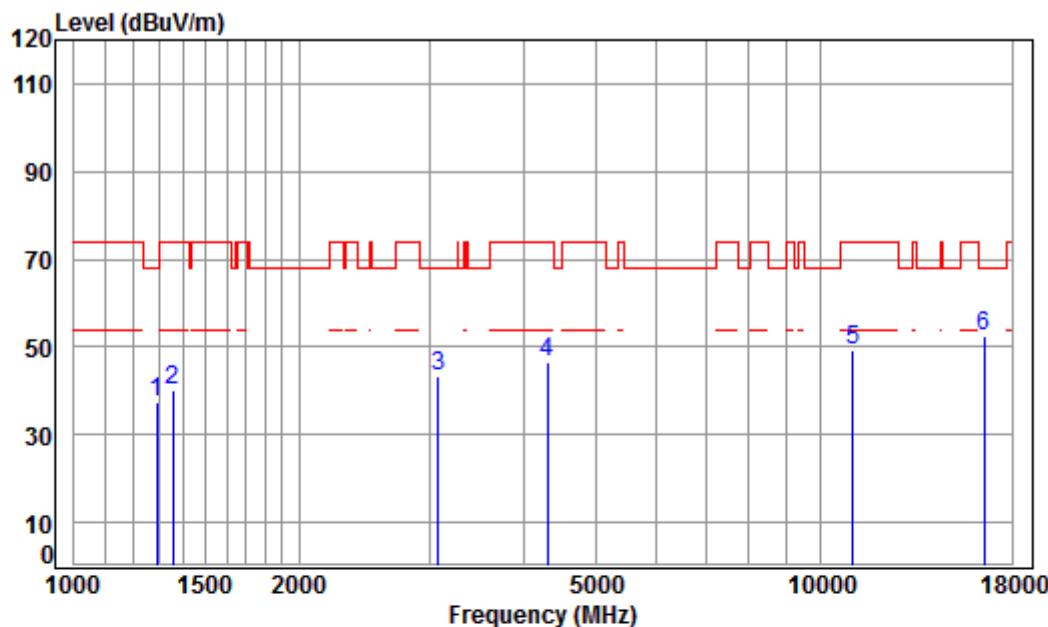
Job No : 02324CR

Mode : 5700 TX RSE

Note : 5G WIFI 11AC20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1125.813	4.11	24.24	41.12	47.05	34.28	74.00	-39.72	peak
2	1597.181	5.35	26.24	41.47	46.06	36.18	74.00	-37.82	peak
3	3485.601	6.45	31.68	42.22	47.52	43.43	68.20	-24.77	peak
4	4430.628	7.48	33.48	42.41	47.83	46.38	68.20	-21.82	peak
5	11400.000	12.04	37.88	38.13	38.21	50.00	74.00	-24.00	peak
6	pp17100.000	16.49	42.66	40.37	33.51	52.29	68.20	-15.91	peak

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



Condition: 3m HORIZONTAL

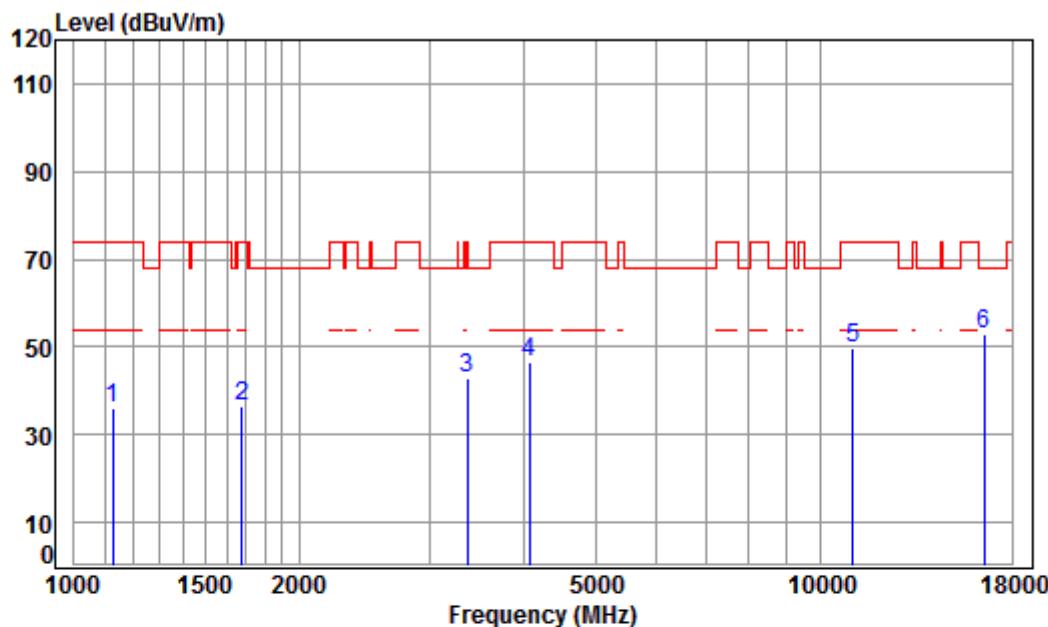
Job No : 02324CR

Mode : 5510 TX RSE

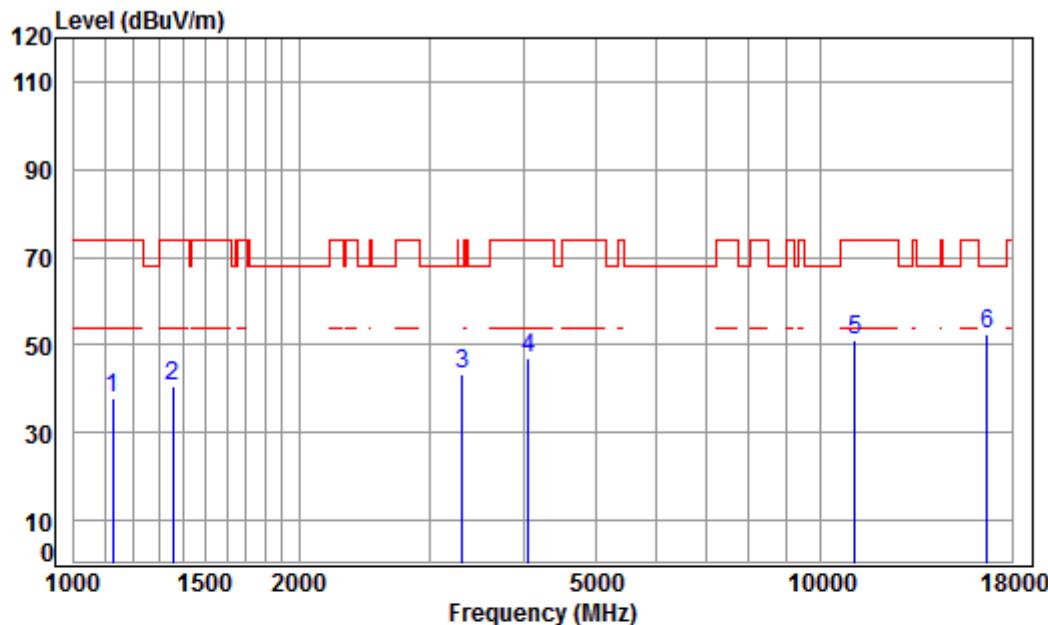
Note : 5G WIFI 11AC40

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level			
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1289.627	4.76	24.98	41.25	49.03	37.52	68.20	-30.68 peak
2	1354.577	4.99	25.25	41.30	51.03	39.97	74.00	-34.03 peak
3	3069.345	6.05	31.02	42.12	48.47	43.42	68.20	-24.78 peak
4	4304.400	7.34	33.26	42.38	48.15	46.37	74.00	-27.63 peak
5	11020.000	11.65	37.80	37.89	37.94	49.50	74.00	-24.50 peak
6	pp16530.000	14.63	42.22	39.89	35.51	52.47	68.20	-15.73 peak

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



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



Condition: 3m HORIZONTAL

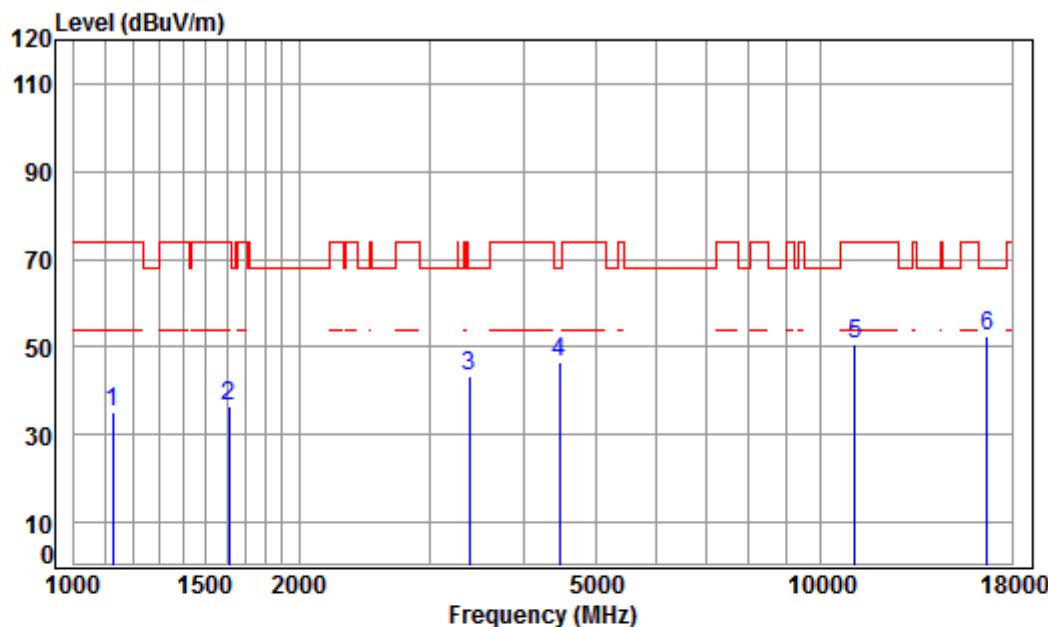
Job No : 02324CR

Mode : 5550 TX RSE

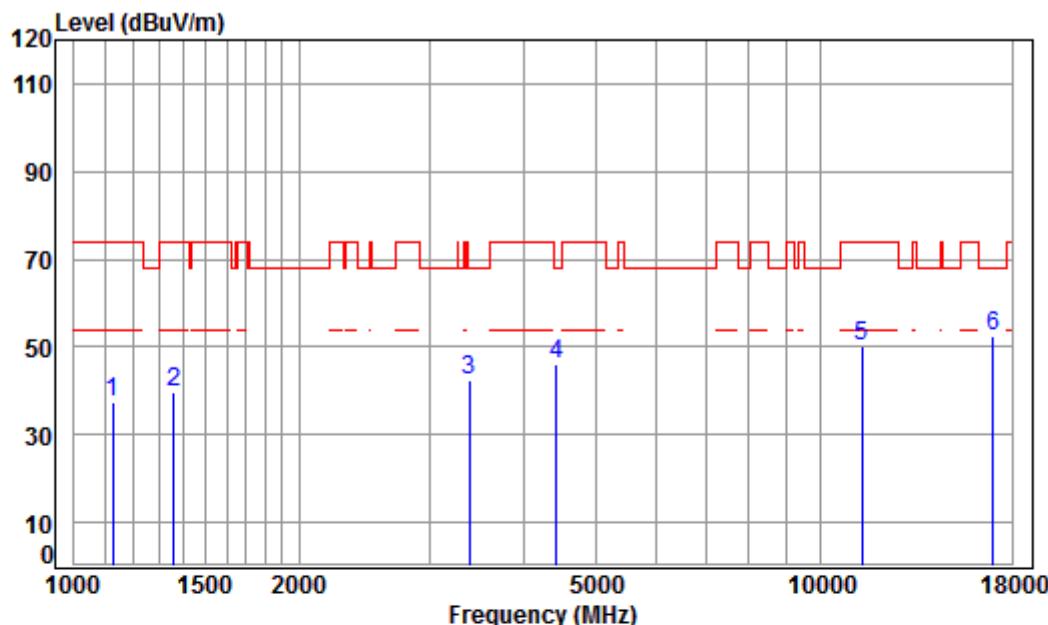
Note : 5G WIFI 11AC40

Freq	Cable		Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 1125.813	4.11	24.24	41.12	50.64	37.87	74.00	-36.13	peak
2 1354.577	4.99	25.25	41.30	51.79	40.73	74.00	-33.27	peak
3 3308.894	6.29	31.41	42.18	47.97	43.49	68.20	-24.71	peak
4 4062.629	7.06	32.82	42.34	49.41	46.95	74.00	-27.05	peak
5 11100.000	11.73	37.82	37.94	39.31	50.92	74.00	-23.08	peak
6 pp16650.000	15.17	42.32	39.99	34.75	52.25	68.20	-15.95	peak

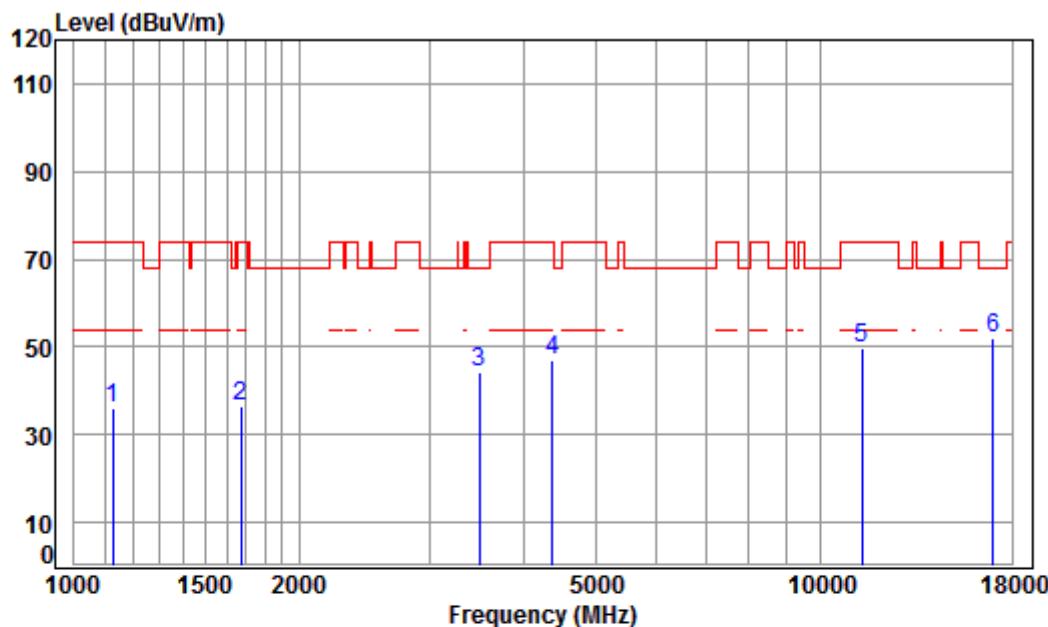
Mode:i; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:middle



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



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



Condition: 3m VERTICAL

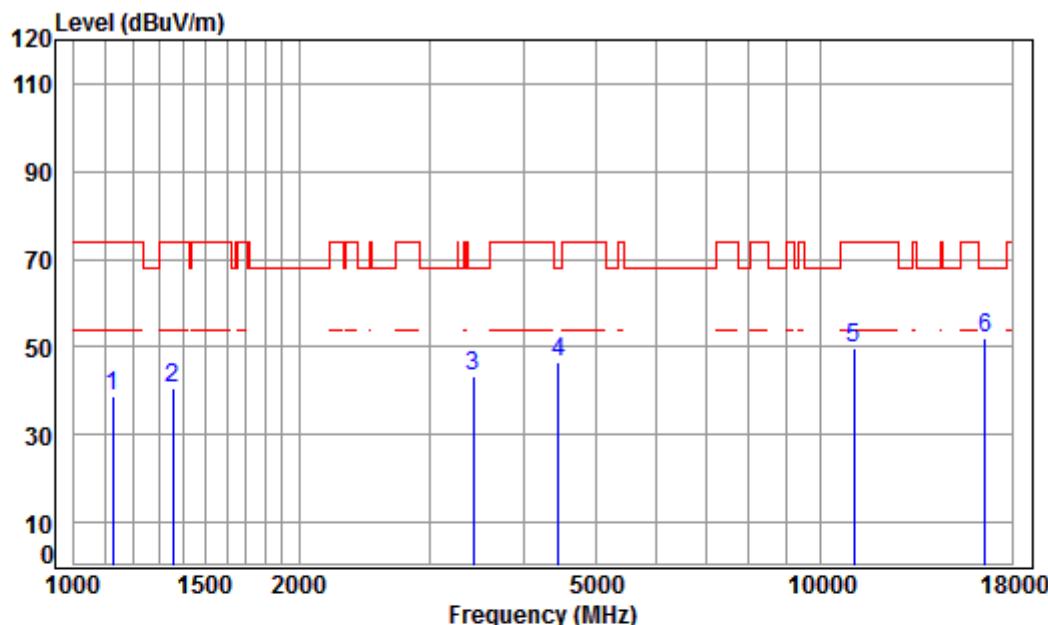
Job No : 02324CR

Mode : 5670 TX RSE

Note : 5G WIFI 11AC40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1125.813	4.11	24.24	41.12	48.88	36.11	74.00	-37.89	peak
2	1672.779	5.26	26.56	41.52	46.26	36.56	74.00	-37.44	peak
3	3485.601	6.45	31.68	42.22	48.38	44.29	68.20	-23.91	peak
4	4367.058	7.41	33.37	42.39	48.40	46.79	74.00	-27.21	peak
5	11340.000	11.98	37.87	38.10	37.90	49.65	74.00	-24.35	peak
6	pp17010.000	16.69	42.61	40.29	33.01	52.02	68.20	-16.18	peak

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



Condition: 3m HORIZONTAL

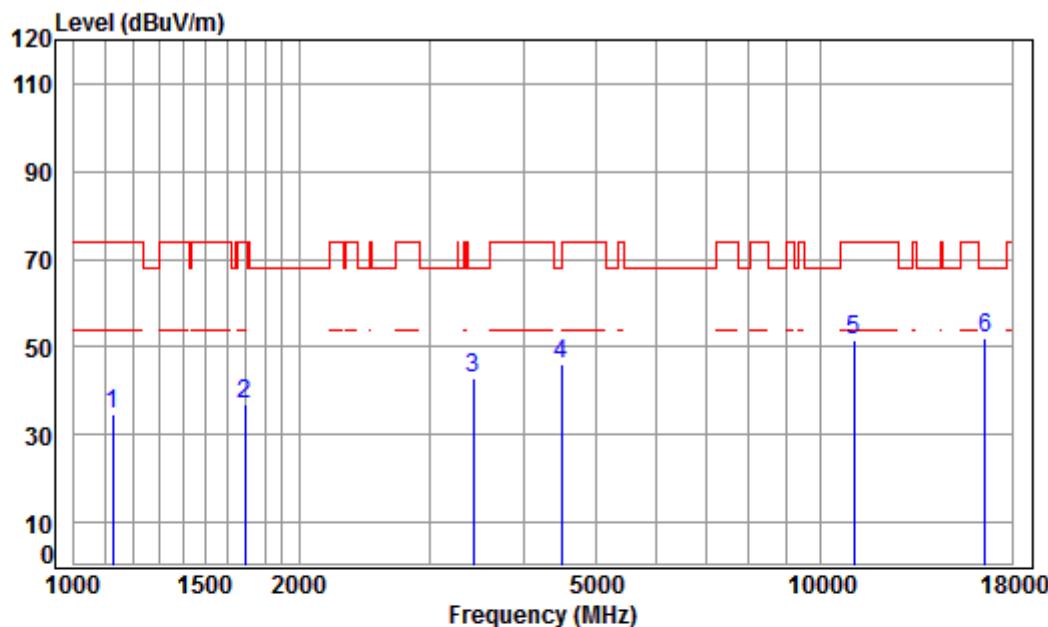
Job No : 02324CR

Mode : 5530 TX RSE

Note : 5G WIFI 11AC80

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1125.813	4.11	24.24	41.12	51.63	38.86	74.00	-35.14 peak
2	1354.577	4.99	25.25	41.30	51.45	40.39	74.00	-33.61 peak
3	3425.675	6.39	31.59	42.20	47.63	43.41	68.20	-24.79 peak
4	4456.315	7.51	33.53	42.41	47.87	46.50	68.20	-21.70 peak
5	11060.000	11.69	37.81	37.92	38.27	49.85	74.00	-24.15 peak
6	pp16590.000	14.90	42.27	39.94	34.93	52.16	68.20	-16.04 peak

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



Condition: 3m VERTICAL

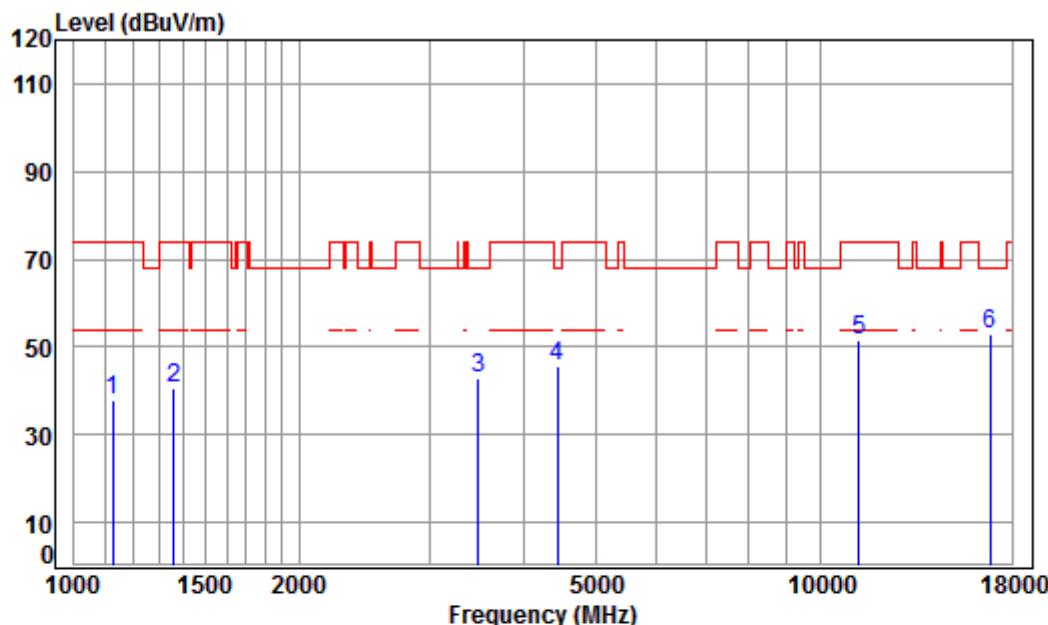
Job No : 02324CR

Mode : 5530 TX RSE

Note : 5G WIFI 11AC80

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1125.813	4.11	24.24	41.12	47.50	34.73	74.00	-39.27 peak
2	1692.231	5.24	26.64	41.53	46.54	36.89	74.00	-37.11 peak
3	3425.675	6.39	31.59	42.20	47.16	42.94	68.20	-25.26 peak
4	4495.125	7.55	33.59	42.42	47.47	46.19	68.20	-22.01 peak
5	11060.000	11.69	37.81	37.92	39.92	51.50	74.00	-22.50 peak
6	pp16590.000	14.90	42.27	39.94	34.93	52.16	68.20	-16.04 peak

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



Condition: 3m HORIZONTAL

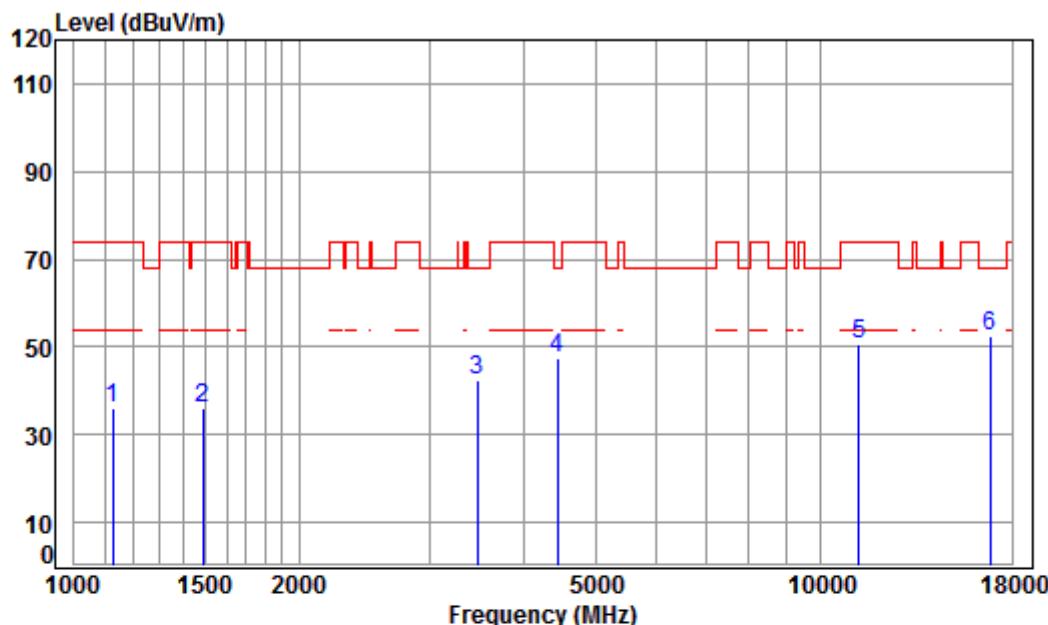
Job No : 02324CR

Mode : 5610 TX RSE

Note : 5G WIFI 11AC80

Freq	Cable		Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level			
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1125.813	4.11	24.24	41.12	50.49	37.72	74.00	-36.28 peak
2	1362.430	5.02	25.28	41.31	51.58	40.57	74.00	-33.43 peak
3	3475.541	6.44	31.66	42.22	46.97	42.85	68.20	-25.35 peak
4	4443.453	7.50	33.50	42.41	47.20	45.79	68.20	-22.41 peak
5	11220.000	11.86	37.84	38.02	39.76	51.44	74.00	-22.56 peak
6	pp16830.000	15.97	42.47	40.14	34.70	53.00	68.20	-15.20 peak

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



Condition: 3m VERTICAL

Job No : 02324CR

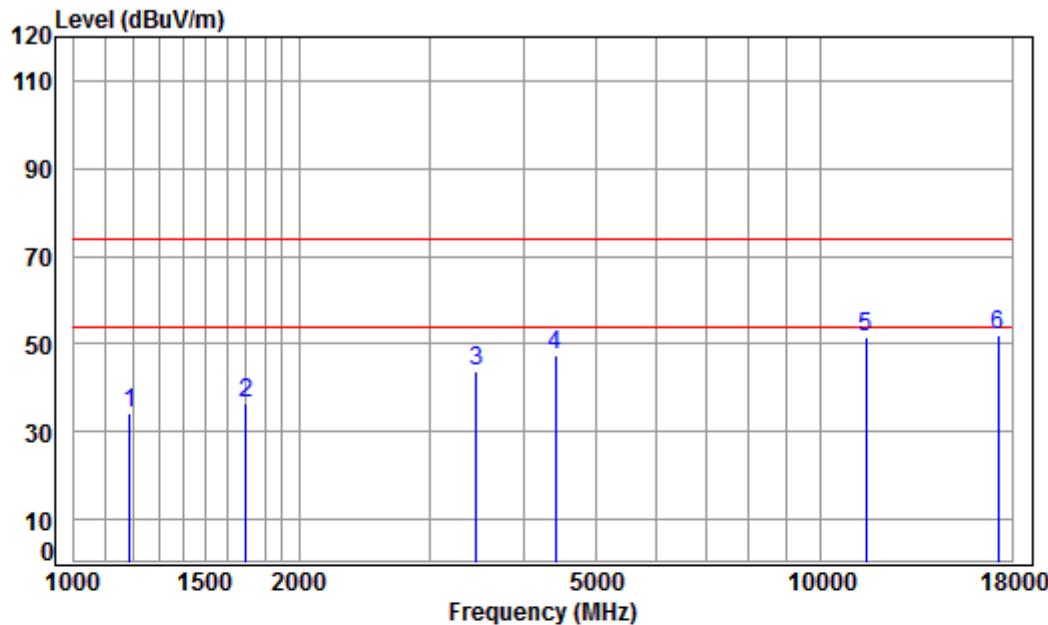
Mode : 5610 TX RSE

Note : 5G WIFI 11AC80

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1125.813	4.11	24.24	41.12	48.67	35.90	74.00	-38.10	peak
2	1490.142	5.45	25.76	41.40	46.31	36.12	74.00	-37.88	peak
3	3465.510	6.43	31.65	42.21	46.74	42.61	68.20	-25.59	peak
4	4430.628	7.48	33.48	42.41	48.70	47.25	68.20	-20.95	peak
5	11220.000	11.86	37.84	38.02	38.79	50.47	74.00	-23.53	peak
6	pp16830.000	15.97	42.47	40.14	34.32	52.62	68.20	-15.58	peak

**Band III:**

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



Condition: 3m HORIZONTAL

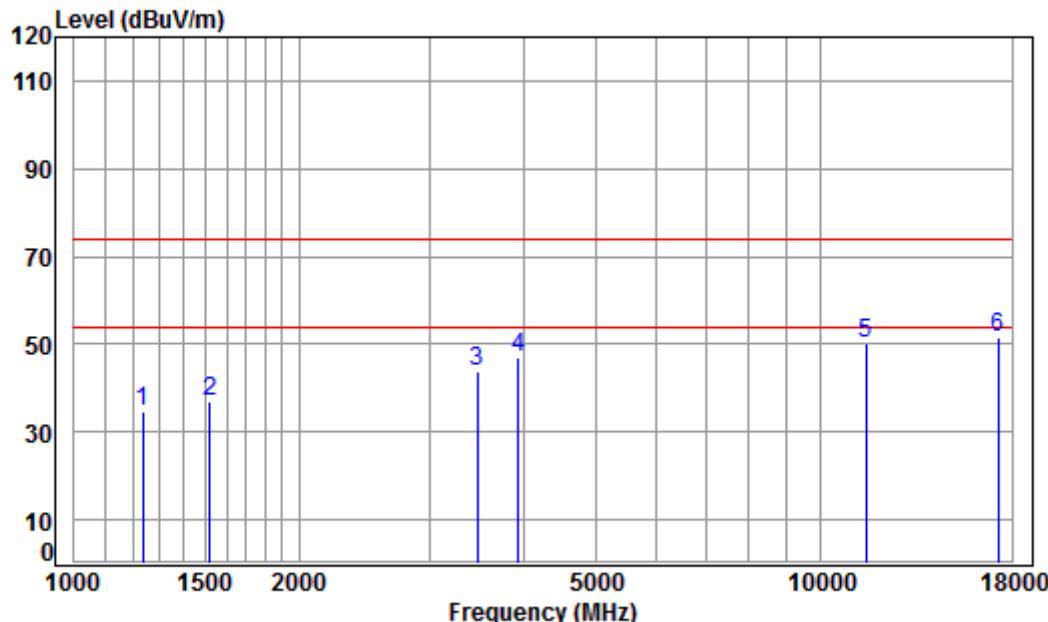
Job No : 02324CR

Mode : 5745 TX RSE

Note : 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1189.368	4.38	24.54	41.17	46.52	34.27	74.00	-39.73 peak
2	1697.129	5.23	26.66	41.53	46.24	36.60	74.00	-37.40 peak
3	3455.508	6.42	31.63	42.21	47.96	43.80	74.00	-30.20 peak
4	4405.090	7.46	33.44	42.40	48.93	47.43	74.00	-26.57 peak
5	11490.000	12.13	37.90	38.19	39.65	51.49	74.00	-22.51 peak
6	17235.000	16.18	42.74	40.48	33.70	52.14	74.00	-21.86 peak

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



Condition: 3m VERTICAL

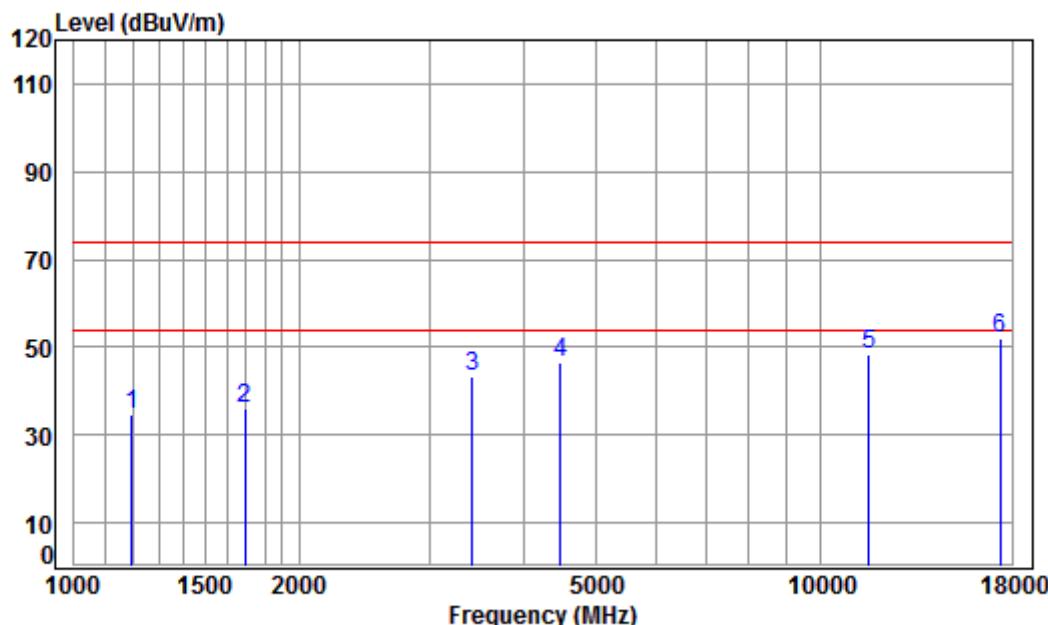
Job No : 02324CR

Mode : 5745 TX RSE

Note : 5G WIFI 11A

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1234.909	4.55	24.74	41.21	46.52	34.60	74.00	-39.40	peak
2	1520.598	5.45	25.89	41.42	46.94	36.86	74.00	-37.14	peak
3	3465.510	6.43	31.65	42.21	47.83	43.70	74.00	-30.30	peak
4	3935.493	6.92	32.58	42.31	49.75	46.94	74.00	-27.06	peak
5	11490.000	12.13	37.90	38.19	38.14	49.98	74.00	-24.02	peak
6	pp17235.000	16.18	42.74	40.48	33.34	51.78	74.00	-22.22	peak

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



Condition: 3m HORIZONTAL

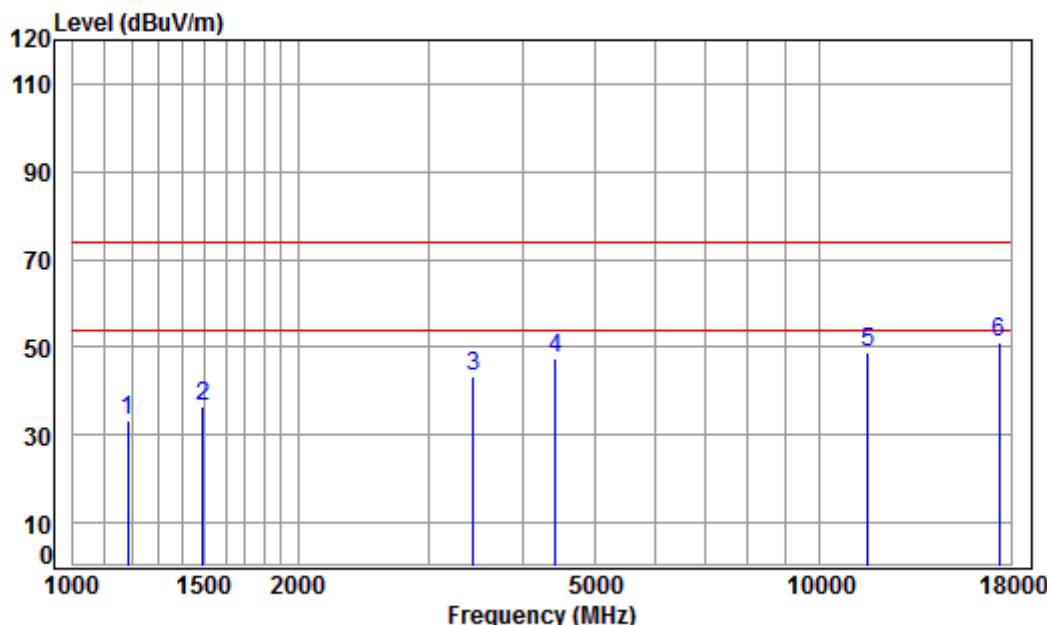
Job No : 02324CR

Mode : 5785 TX RSE

Note : 5G WIFI 11A

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1196.264	4.40	24.57	41.18	46.72	34.51	74.00	-39.49	peak
2	1692.231	5.24	26.64	41.53	45.68	36.03	74.00	-37.97	peak
3	3415.787	6.38	31.57	42.20	47.40	43.15	74.00	-30.85	peak
4	4482.150	7.54	33.57	42.41	47.82	46.52	74.00	-27.48	peak
5	11570.000	12.17	37.87	38.24	36.69	48.49	74.00	-25.51	peak
6	pp17355.000	15.92	42.81	40.58	33.71	51.86	74.00	-22.14	peak

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



Condition: 3m VERTICAL

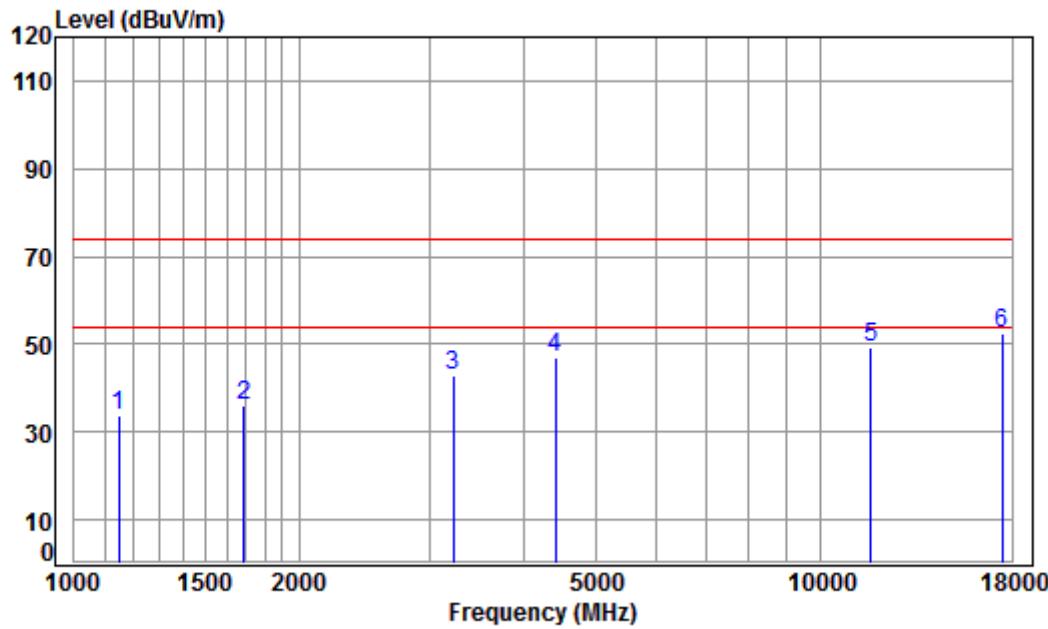
Job No : 02324CR

Mode : 5785 TX RSE

Note : 5G WIFI 11A

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1185.936	4.36	24.53	41.17	45.75	33.47	74.00	-40.53	peak
2	1494.455	5.46	25.78	41.40	46.51	36.35	74.00	-37.65	peak
3	3435.590	6.40	31.60	42.21	47.76	43.55	74.00	-30.45	peak
4	4417.841	7.47	33.46	42.40	48.76	47.29	74.00	-26.71	peak
5	11570.000	12.17	37.87	38.24	36.98	48.78	74.00	-25.22	peak
6	pp17355.000	15.92	42.81	40.58	33.15	51.30	74.00	-22.70	peak

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



Condition: 3m HORIZONTAL

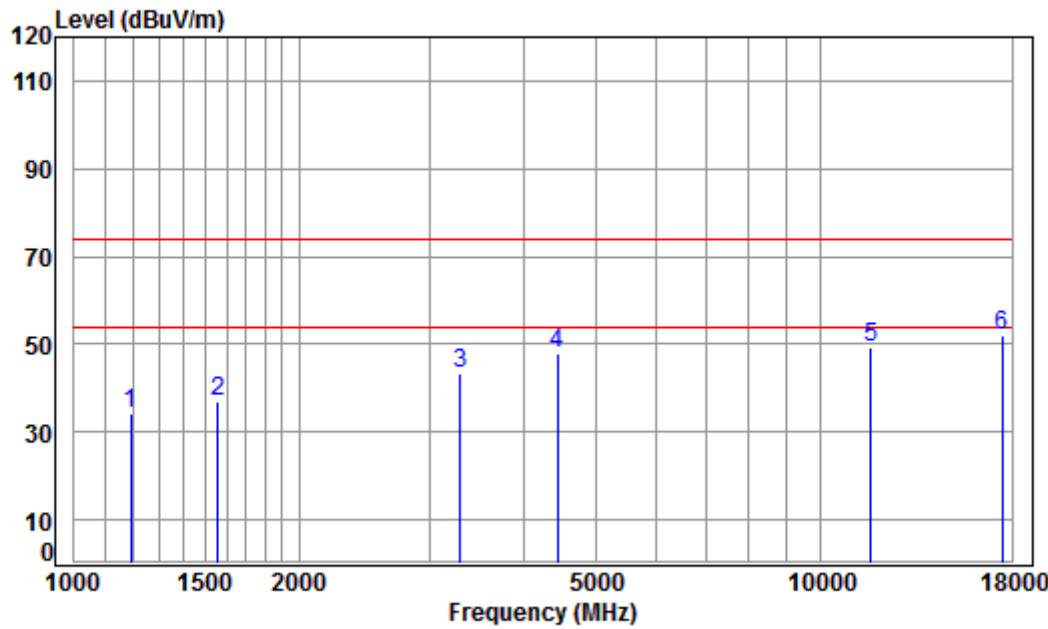
Job No : 02324CR

Mode : 5825 TX RSE

Note : 5G WIFI 11A

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Remark
1	1148.823	4.21	24.35	41.14	46.30	33.72	74.00	-40.28	peak	
2	1687.347	5.24	26.62	41.52	45.75	36.09	74.00	-37.91	peak	
3	3214.623	6.20	31.26	42.15	47.56	42.87	74.00	-31.13	peak	
4	4405.090	7.46	33.44	42.40	48.28	46.78	74.00	-27.22	peak	
5	11650.000	12.20	37.84	38.29	37.75	49.50	74.00	-24.50	peak	
6	17475.000	15.65	42.89	40.68	34.42	52.28	74.00	-21.72	peak	

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



Condition: 3m VERTICAL

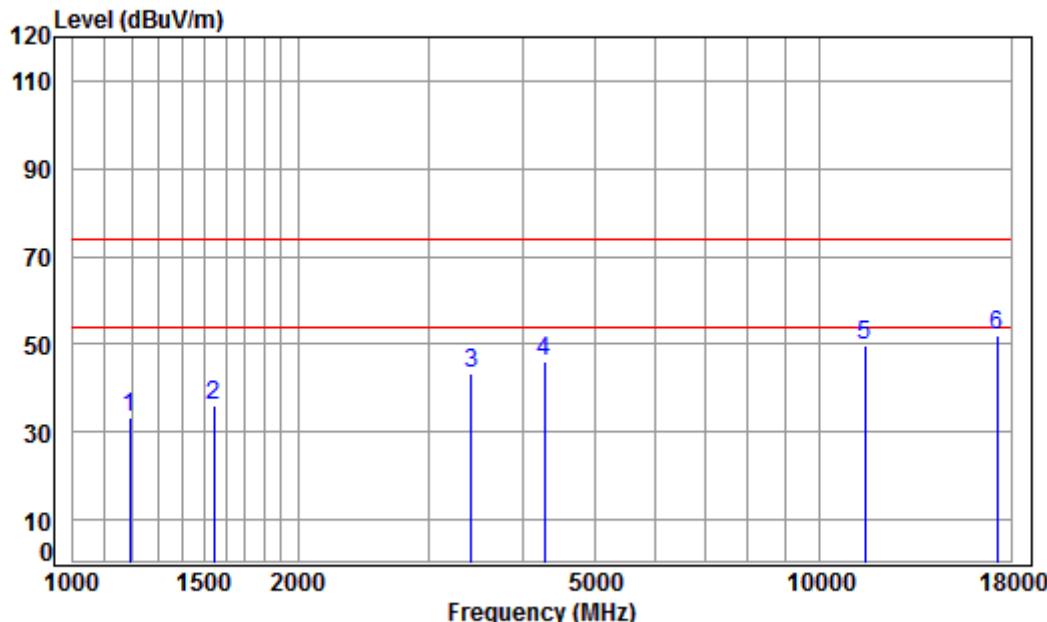
Job No : 02324CR

Mode : 5825 TX RSE

Note : 5G WIFI 11A

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Over Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1192.811	4.39	24.56	41.18	46.40	34.17	74.00	-39.83	peak
2	1556.169	5.41	26.06	41.44	46.73	36.76	74.00	-37.24	peak
3	3289.821	6.27	31.38	42.17	47.81	43.29	74.00	-30.71	peak
4	4443.453	7.50	33.50	42.41	49.17	47.76	74.00	-26.24	peak
5	11650.000	12.20	37.84	38.29	37.66	49.41	74.00	-24.59	peak
6	pp17475.000	15.65	42.89	40.68	34.06	51.92	74.00	-22.08	peak

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



Condition: 3m HORIZONTAL

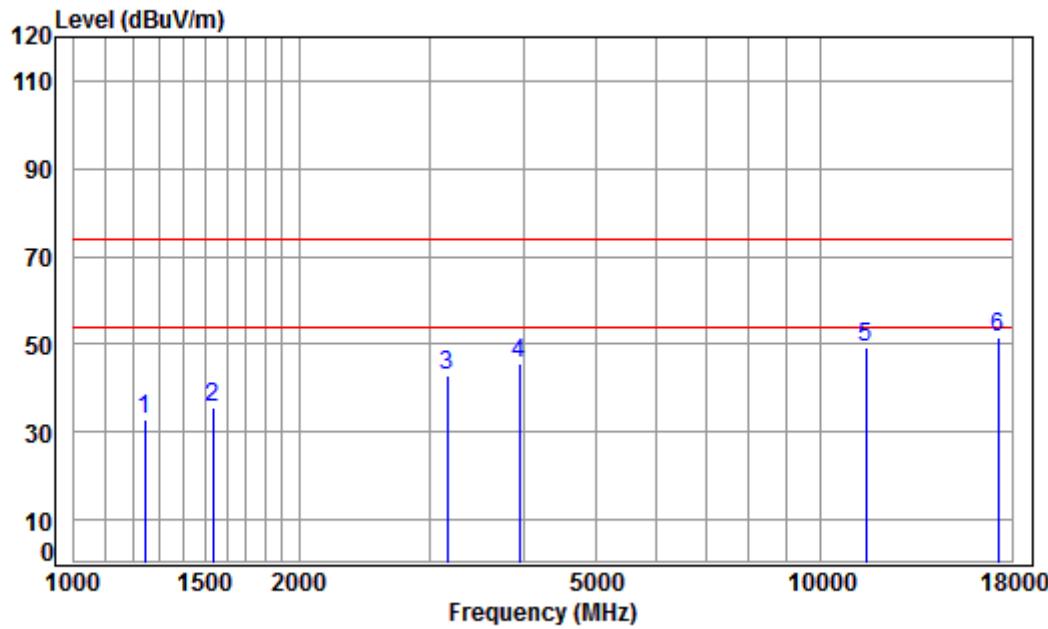
Job No : 02324CR

Mode : 5745 TX RSE

Note : 5G WIFI 11N20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1192.811	4.39	24.56	41.18	45.68	33.45	74.00	-40.55	peak
2	1542.733	5.42	26.00	41.43	45.97	35.96	74.00	-38.04	peak
3	3415.787	6.38	31.57	42.20	47.74	43.49	74.00	-30.51	peak
4	4279.589	7.31	33.22	42.38	48.06	46.21	74.00	-27.79	peak
5	11490.000	12.13	37.90	38.19	37.90	49.74	74.00	-24.26	peak
6	pp17235.000	16.18	42.74	40.48	33.69	52.13	74.00	-21.87	peak

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



Condition: 3m VERTICAL

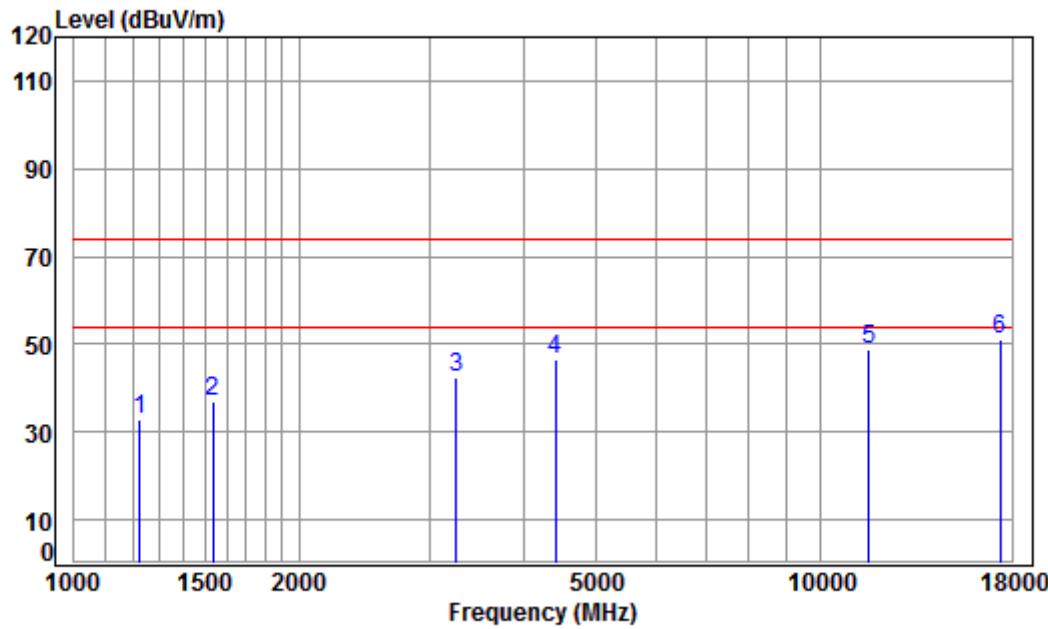
Job No : 02324CR

Mode : 5745 TX RSE

Note : 5G WIFI 11N20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Over Line dB	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1245.663	4.60	24.79	41.22	44.86	33.03	74.00	-40.97	peak	
2	1533.841	5.44	25.96	41.43	45.54	35.51	74.00	-38.49	peak	
3	3159.355	6.14	31.17	42.14	47.84	43.01	74.00	-30.99	peak	
4	3946.885	6.93	32.60	42.31	48.60	45.82	74.00	-28.18	peak	
5	11490.000	12.13	37.90	38.19	37.34	49.18	74.00	-24.82	peak	
6	17235.000	16.18	42.74	40.48	33.09	51.53	74.00	-22.47	peak	

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



Condition: 3m HORIZONTAL

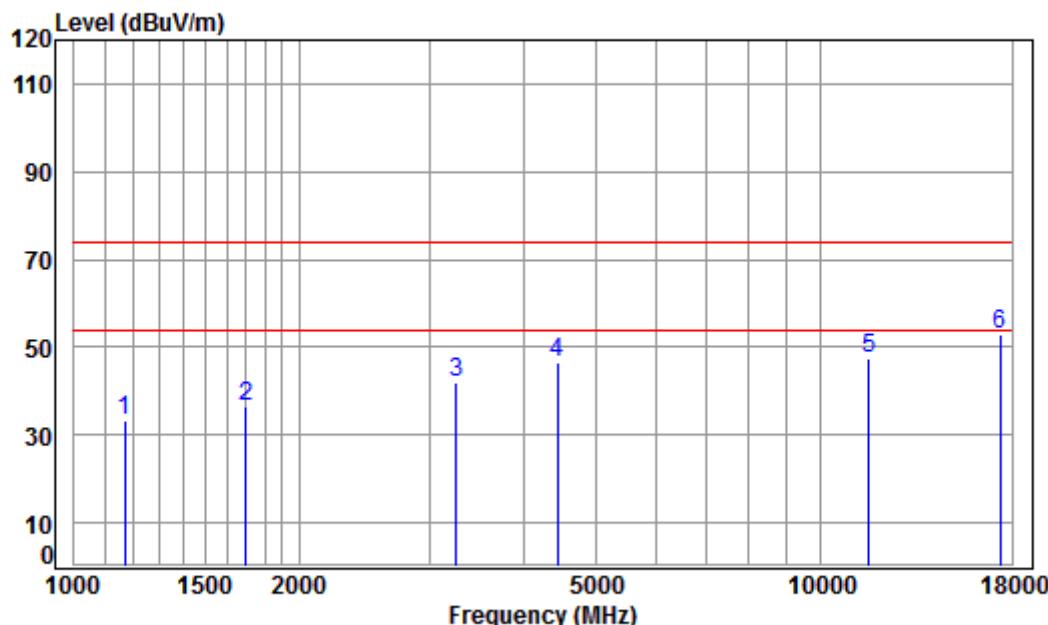
Job No : 02324CR

Mode : 5785 TX RSE

Note : 5G WIFI 11N20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1224.247	4.51	24.70	41.20	45.01	33.02	74.00	-40.98	peak
2	1533.841	5.44	25.96	41.43	47.08	37.05	74.00	-36.95	peak
3	3252.005	6.23	31.32	42.16	47.23	42.62	74.00	-31.38	peak
4	4405.090	7.46	33.44	42.40	48.17	46.67	74.00	-27.33	peak
5	11570.000	12.17	37.87	38.24	37.05	48.85	74.00	-25.15	peak
6	pp17355.000	15.92	42.81	40.58	32.87	51.02	74.00	-22.98	peak

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



Condition: 3m VERTICAL

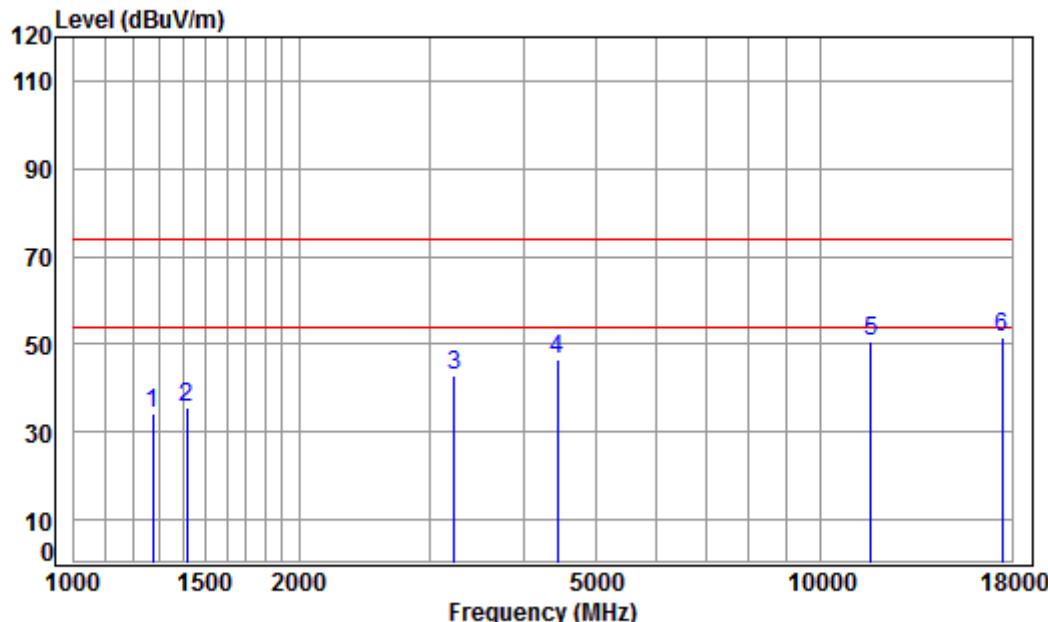
Job No : 02324CR

Mode : 5785 TX RSE

Note : 5G WIFI 11N20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1168.920	4.29	24.45	41.16	45.55	33.13	74.00	-40.87	peak
2	1697.129	5.23	26.66	41.53	46.16	36.52	74.00	-37.48	peak
3	3252.005	6.23	31.32	42.16	46.63	42.02	74.00	-31.98	peak
4	4430.628	7.48	33.48	42.41	48.12	46.67	74.00	-27.33	peak
5	11570.000	12.17	37.87	38.24	35.69	47.49	74.00	-26.51	peak
6	pp17355.000	15.92	42.81	40.58	34.81	52.96	74.00	-21.04	peak

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



Condition: 3m HORIZONTAL

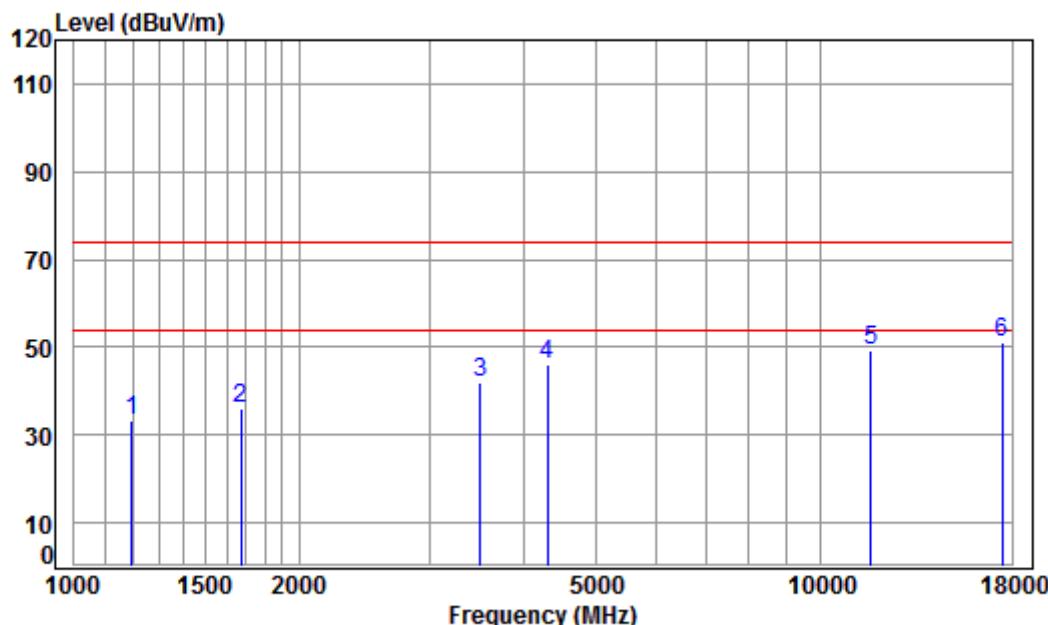
Job No : 02324CR

Mode : 5825 TX RSE

Note : 5G WIFI 11N20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1274.802	4.71	24.92	41.24	45.88	34.27	74.00	-39.73	peak
2	1414.597	5.20	25.48	41.35	46.27	35.60	74.00	-38.40	peak
3	3233.260	6.21	31.29	42.16	47.34	42.68	74.00	-31.32	peak
4	4443.453	7.50	33.50	42.41	47.98	46.57	74.00	-27.43	peak
5	11650.000	12.20	37.84	38.29	38.69	50.44	74.00	-23.56	peak
6	pp17475.000	15.65	42.89	40.68	33.58	51.44	74.00	-22.56	peak

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



Condition: 3m VERTICAL

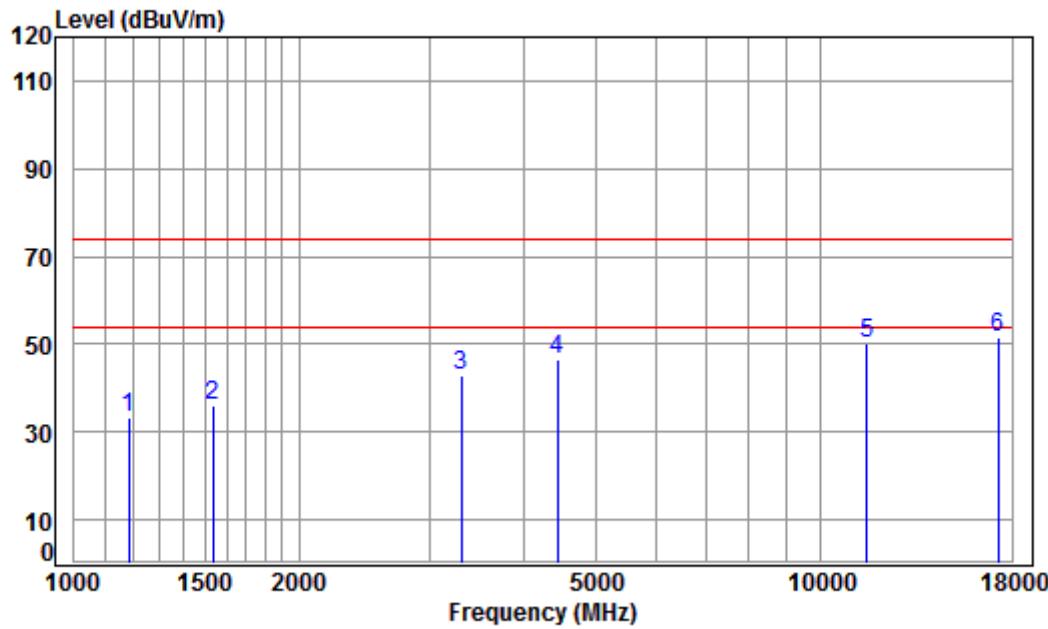
Job No : 02324CR

Mode : 5825 TX RSE

Note : 5G WIFI 11N20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1196.264	4.40	24.57	41.18	45.49	33.28	74.00	-40.72	peak
2	1672.779	5.26	26.56	41.52	45.96	36.26	74.00	-37.74	peak
3	3495.691	6.46	31.69	42.22	46.19	42.12	74.00	-31.88	peak
4	4304.400	7.34	33.26	42.38	47.99	46.21	74.00	-27.79	peak
5	11650.000	12.20	37.84	38.29	37.66	49.41	74.00	-24.59	peak
6	pp17475.000	15.65	42.89	40.68	33.19	51.05	74.00	-22.95	peak

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



Condition: 3m HORIZONTAL

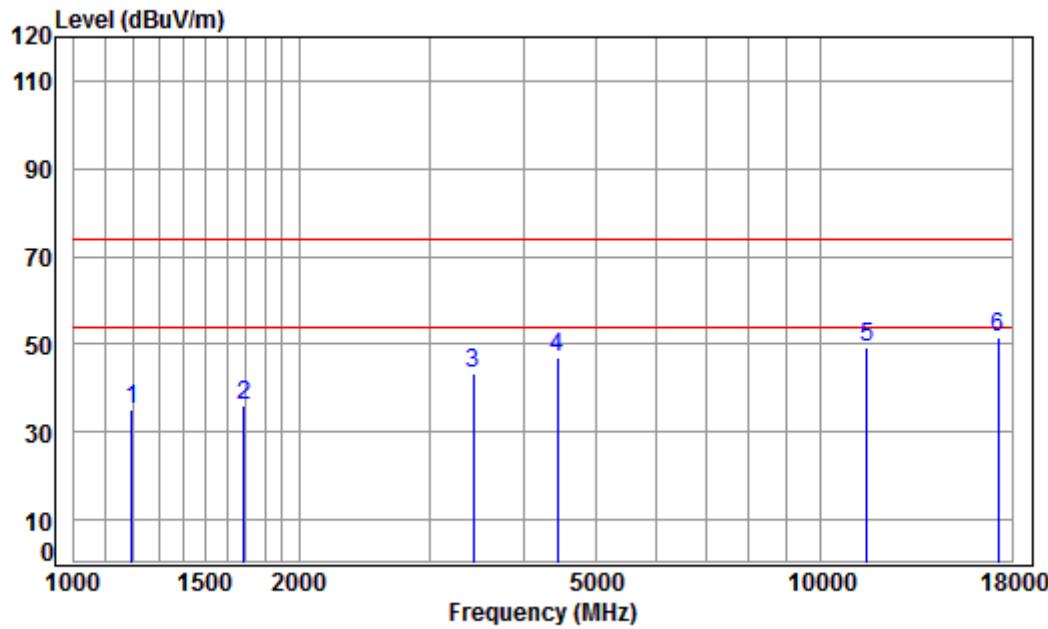
Job No : 02324CR

Mode : 5755 TX RSE

Note : 5G WIFI 11N40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1185.936	4.36	24.53	41.17	45.64	33.36	74.00	-40.64	peak
2	1533.841	5.44	25.96	41.43	46.05	36.02	74.00	-37.98	peak
3	3299.344	6.28	31.39	42.17	47.62	43.12	74.00	-30.88	peak
4	4443.453	7.50	33.50	42.41	47.73	46.32	74.00	-27.68	peak
5	11510.000	12.14	37.90	38.20	38.16	50.00	74.00	-24.00	peak
6	pp17265.000	16.12	42.76	40.51	32.98	51.35	74.00	-22.65	peak

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



Condition: 3m VERTICAL

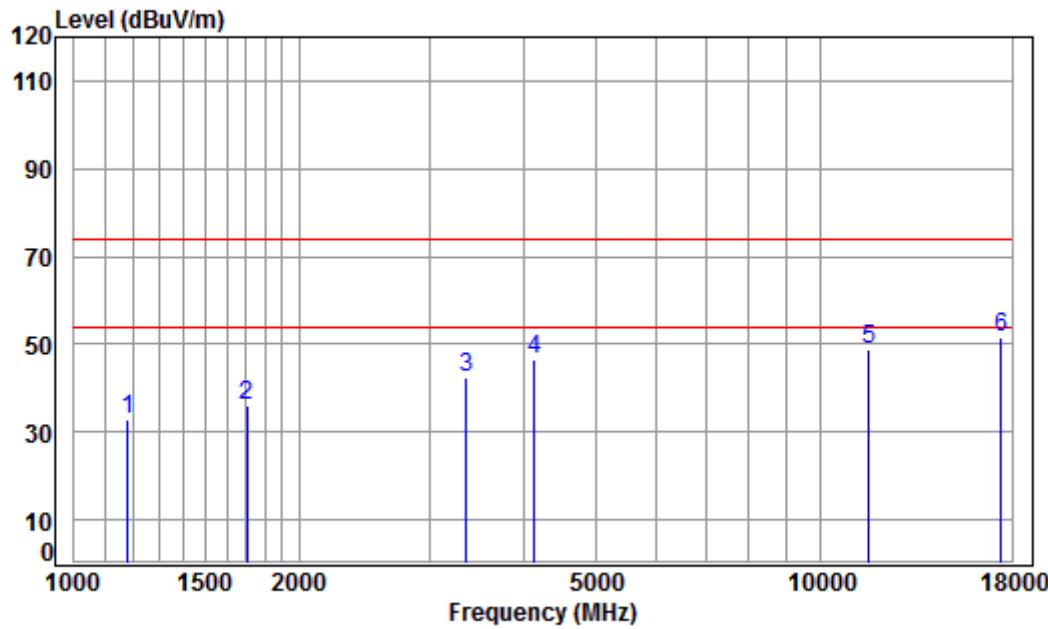
Job No : 02324CR

Mode : 5755 TX RSE

Note : 5G WIFI 11N40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1196.264	4.40	24.57	41.18	47.28	35.07	74.00	-38.93	peak
2	1687.347	5.24	26.62	41.52	45.61	35.95	74.00	-38.05	peak
3	3425.675	6.39	31.59	42.20	47.50	43.28	74.00	-30.72	peak
4	4430.628	7.48	33.48	42.41	48.53	47.08	74.00	-26.92	peak
5	11510.000	12.14	37.90	38.20	37.57	49.41	74.00	-24.59	peak
6	17265.000	16.12	42.76	40.51	33.09	51.46	74.00	-22.54	peak

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



Condition: 3m HORIZONTAL

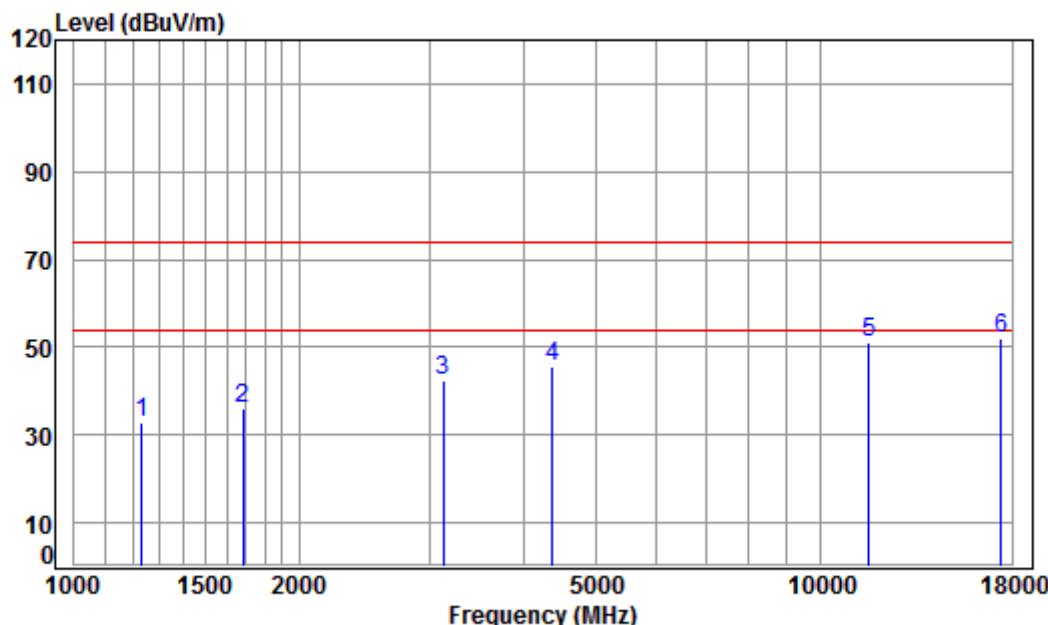
Job No : 02324CR

Mode : 5795 TX RSE

Note : 5G WIFI 11N40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1179.100	4.33	24.49	41.16	45.34	33.00	74.00	-41.00	peak
2	1702.042	5.23	26.68	41.53	45.61	35.99	74.00	-38.01	peak
3	3347.371	6.32	31.47	42.19	46.95	42.55	74.00	-31.45	peak
4	4133.699	7.14	32.95	42.35	49.01	46.75	74.00	-27.25	peak
5	11590.000	12.17	37.86	38.25	36.93	48.71	74.00	-25.29	peak
6	pp17385.000	15.85	42.83	40.60	33.53	51.61	74.00	-22.39	peak

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



Condition: 3m VERTICAL

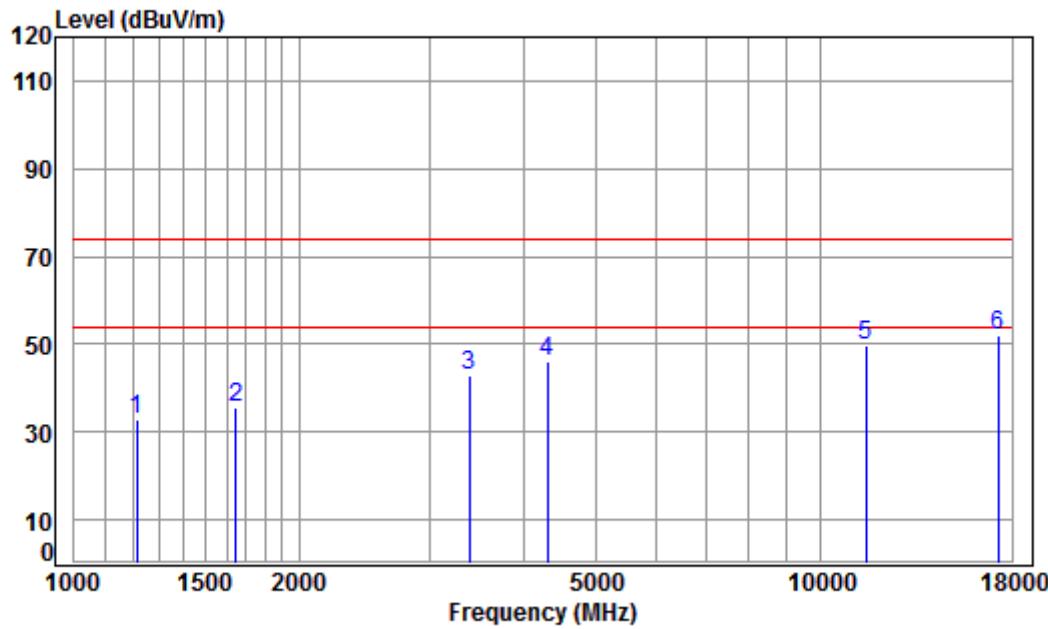
Job No : 02324CR

Mode : 5795 TX RSE

Note : 5G WIFI 11N40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1231.345	4.54	24.73	41.21	44.81	32.87	74.00	-41.13	peak
2	1682.477	5.25	26.60	41.52	45.73	36.06	74.00	-37.94	peak
3	3123.039	6.11	31.11	42.13	47.54	42.63	74.00	-31.37	peak
4	4367.058	7.41	33.37	42.39	47.12	45.51	74.00	-28.49	peak
5	11590.000	12.17	37.86	38.25	39.48	51.26	74.00	-22.74	peak
6	pp17385.000	15.85	42.83	40.60	33.80	51.88	74.00	-22.12	peak

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



Condition: 3m HORIZONTAL

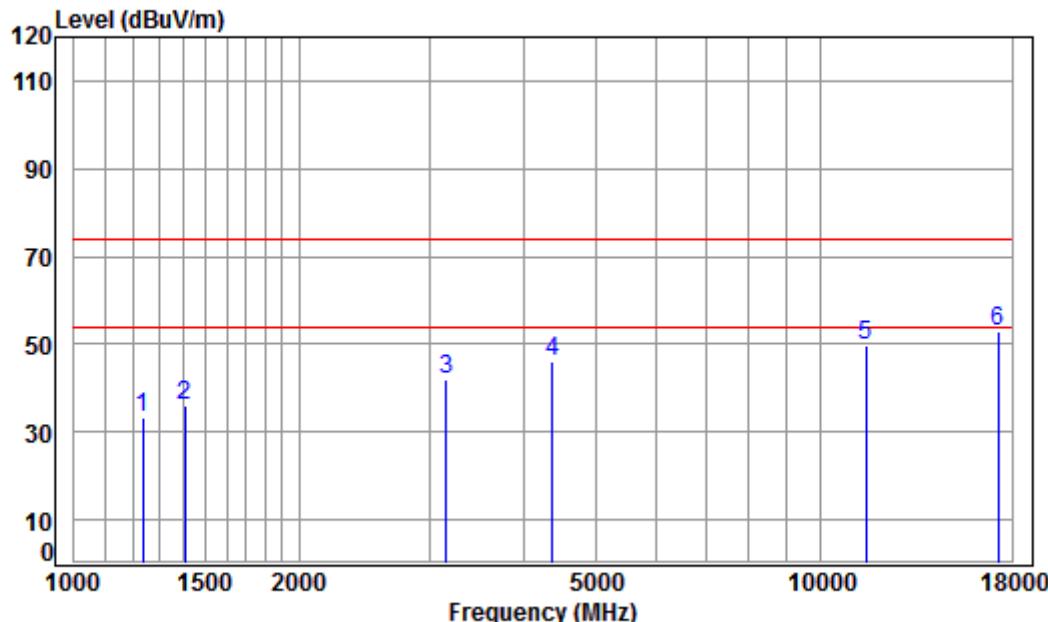
Job No : 02324CR

Mode : 5745 TX RSE

Note : 5G WIFI 11AC20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1213.677	4.47	24.65	41.19	45.00	32.93	74.00	-41.07	peak
2	1648.778	5.29	26.46	41.50	45.28	35.53	74.00	-38.47	peak
3	3376.523	6.35	31.51	42.19	47.13	42.80	74.00	-31.20	peak
4	4304.400	7.34	33.26	42.38	47.72	45.94	74.00	-28.06	peak
5	11490.000	12.13	37.90	38.19	38.01	49.85	74.00	-24.15	peak
6	pp17235.000	16.18	42.74	40.48	33.45	51.89	74.00	-22.11	peak

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



Condition: 3m VERTICAL

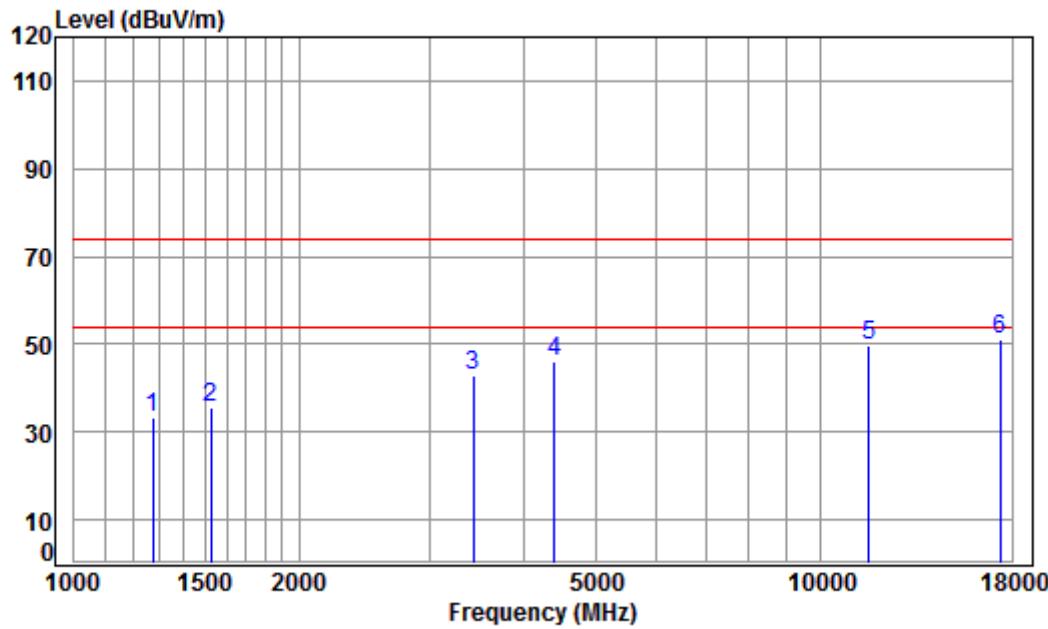
Job No : 02324CR

Mode : 5745 TX RSE

Note : 5G WIFI 11AC20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1234.909	4.55	24.74	41.21	45.39	33.47	74.00	-40.53	peak
2	1406.443	5.17	25.45	41.34	46.54	35.82	74.00	-38.18	peak
3	3150.237	6.13	31.15	42.14	46.89	42.03	74.00	-31.97	peak
4	4367.058	7.41	33.37	42.39	47.50	45.89	74.00	-28.11	peak
5	11490.000	12.13	37.90	38.19	37.67	49.51	74.00	-24.49	peak
6	pp17235.000	16.18	42.74	40.48	34.52	52.96	74.00	-21.04	peak

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



Condition: 3m HORIZONTAL

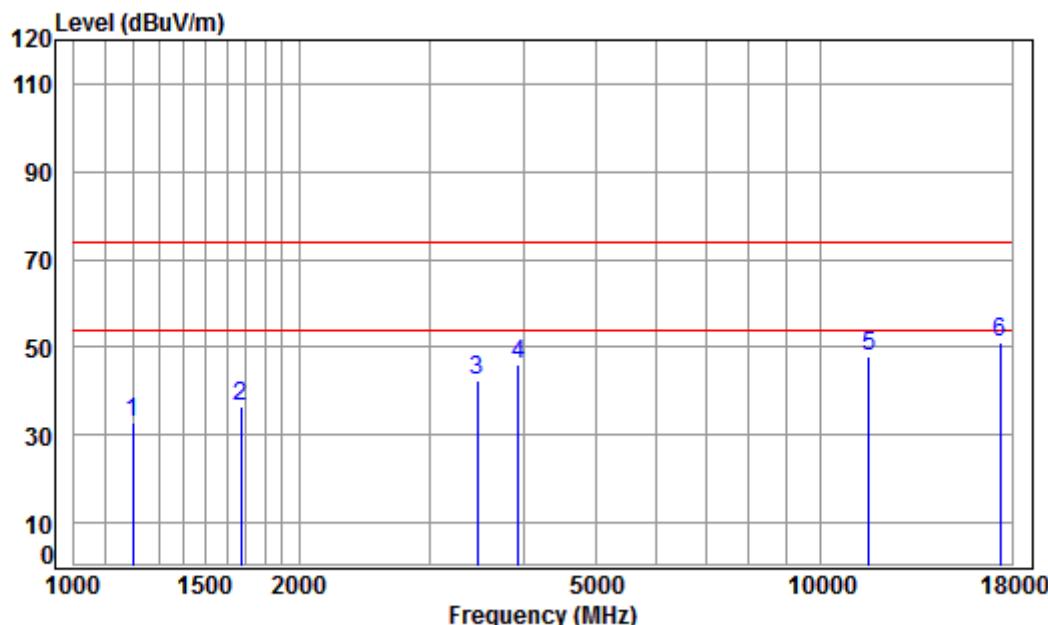
Job No : 02324CR

Mode : 5785 TX RSE

Note : 5G WIFI 11AC20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1274.802	4.71	24.92	41.24	44.84	33.23	74.00	-40.77	peak	
2	1525.000	5.45	25.91	41.42	45.46	35.40	74.00	-38.60	peak	
3	3425.675	6.39	31.59	42.20	47.06	42.84	74.00	-31.16	peak	
4	4392.376	7.44	33.42	42.40	47.82	46.28	74.00	-27.72	peak	
5	11570.000	12.17	37.87	38.24	38.10	49.90	74.00	-24.10	peak	
6	pp17355.000	15.92	42.81	40.58	33.06	51.21	74.00	-22.79	peak	

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



Condition: 3m VERTICAL

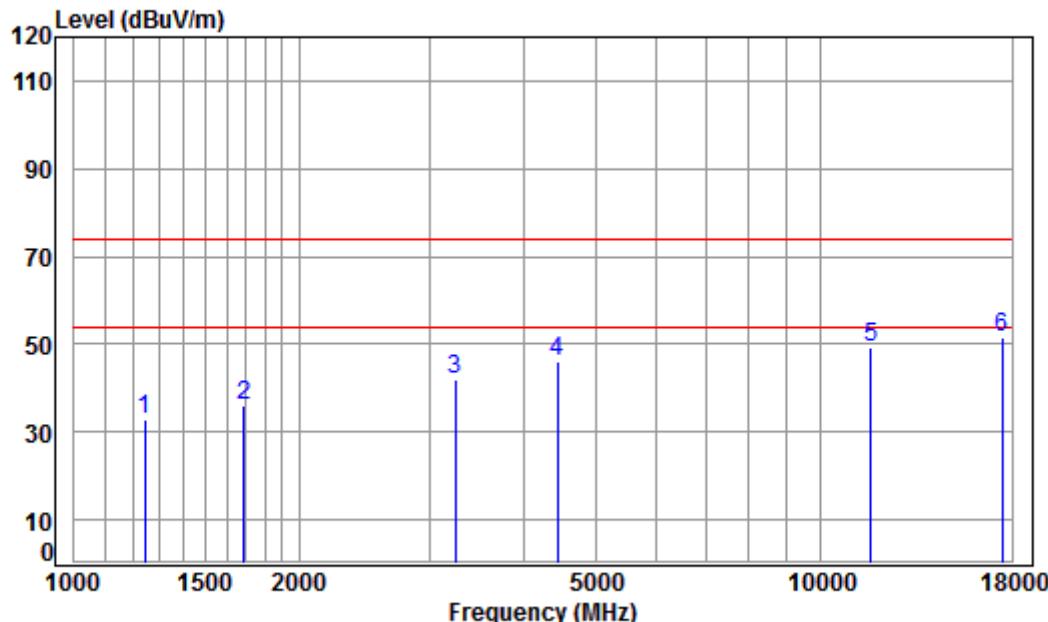
Job No : 02324CR

Mode : 5785 TX RSE

Note : 5G WIFI 11AC20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1199.726	4.42	24.59	41.18	44.94	32.77	74.00	-41.23	peak
2	1672.779	5.26	26.56	41.52	46.18	36.48	74.00	-37.52	peak
3	3465.510	6.43	31.65	42.21	46.57	42.44	74.00	-31.56	peak
4	3935.493	6.92	32.58	42.31	49.00	46.19	74.00	-27.81	peak
5	11570.000	12.17	37.87	38.24	36.30	48.10	74.00	-25.90	peak
6	17355.000	15.92	42.81	40.58	33.08	51.23	74.00	-22.77	peak

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



Condition: 3m HORIZONTAL

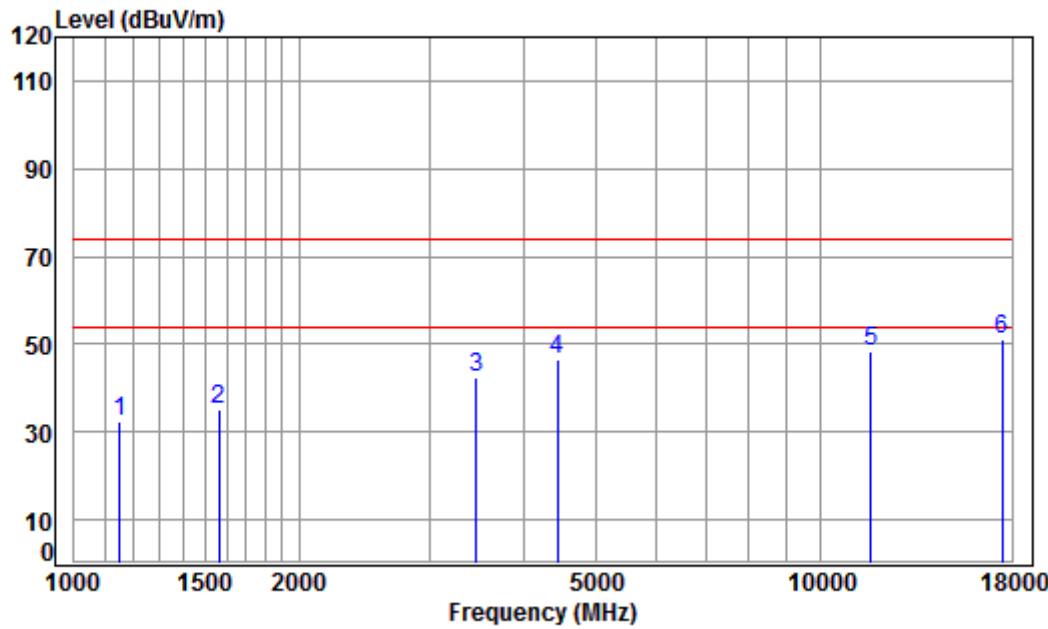
Job No : 02324CR

Mode : 5825 TX RSE

Note : 5G WIFI 11AC20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1245.663	4.60	24.79	41.22	44.68	32.85	74.00	-41.15	peak
2	1687.347	5.24	26.62	41.52	45.59	35.93	74.00	-38.07	peak
3	3242.619	6.22	31.30	42.16	46.53	41.89	74.00	-32.11	peak
4	4430.628	7.48	33.48	42.41	47.43	45.98	74.00	-28.02	peak
5	11650.000	12.20	37.84	38.29	37.73	49.48	74.00	-24.52	peak
6	pp17475.000	15.65	42.89	40.68	33.74	51.60	74.00	-22.40	peak

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



Condition: 3m VERTICAL

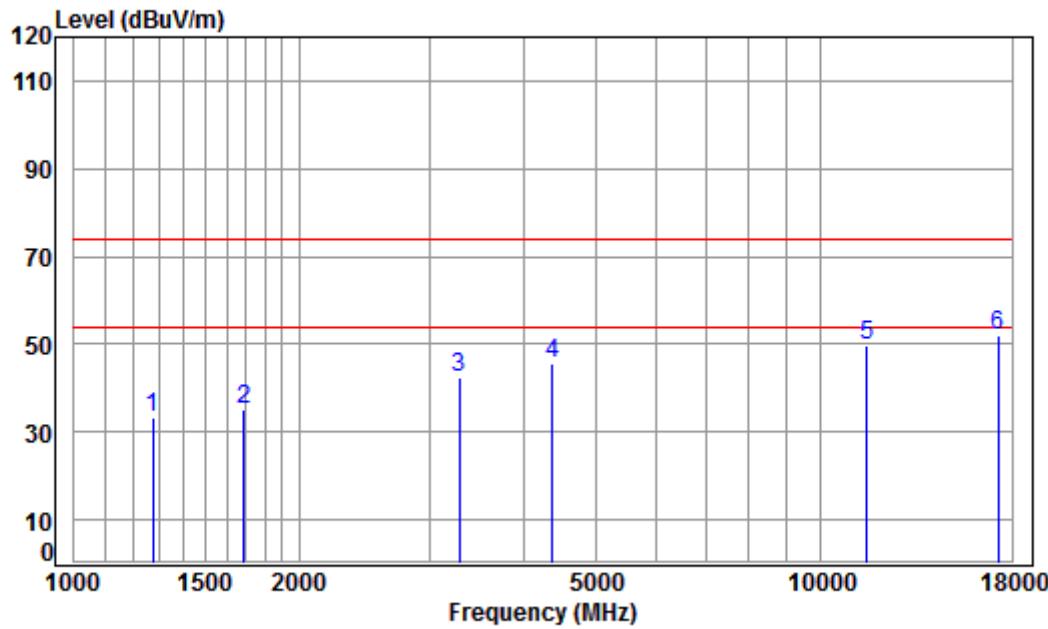
Job No : 02324CR

Mode : 5825 TX RSE

Note : 5G WIFI 11AC20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1152.148	4.22	24.37	41.14	45.11	32.56	74.00	-41.44	peak
2	1565.191	5.39	26.10	41.45	45.31	35.35	74.00	-38.65	peak
3	3455.508	6.42	31.63	42.21	46.58	42.42	74.00	-31.58	peak
4	4430.628	7.48	33.48	42.41	48.10	46.65	74.00	-27.35	peak
5	11650.000	12.20	37.84	38.29	36.74	48.49	74.00	-25.51	peak
6	pp17475.000	15.65	42.89	40.68	33.42	51.28	74.00	-22.72	peak

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



Condition: 3m HORIZONTAL

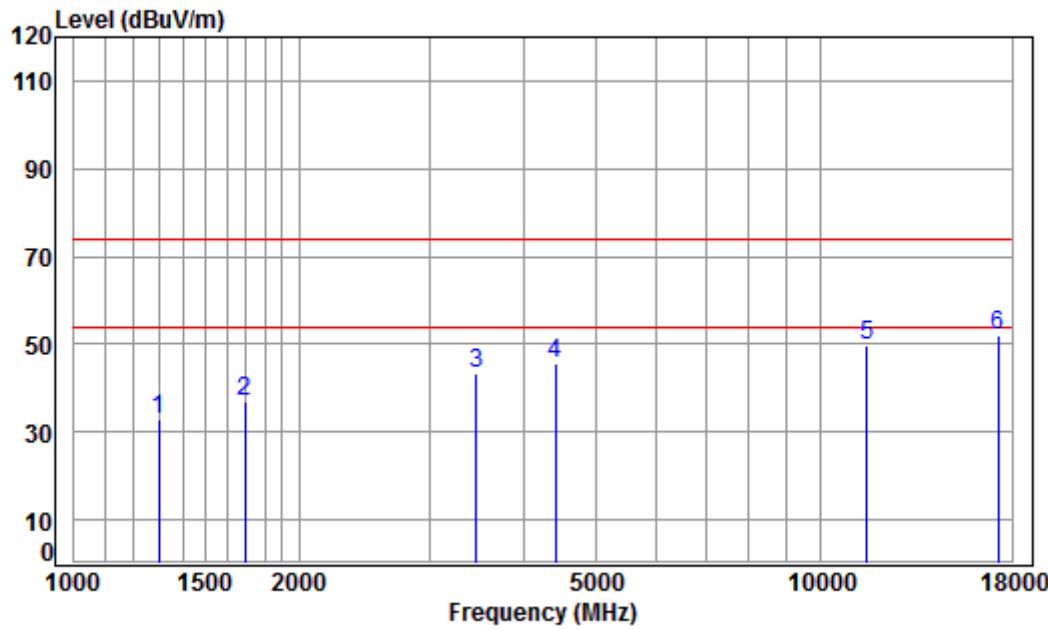
Job No : 02324CR

Mode : 5755 TX RSE

Note : 5G WIFI 11AC40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1274.802	4.71	24.92	41.24	44.76	33.15	74.00	-40.85	peak
2	1687.347	5.24	26.62	41.52	45.00	35.34	74.00	-38.66	peak
3	3280.326	6.26	31.36	42.17	46.99	42.44	74.00	-31.56	peak
4	4367.058	7.41	33.37	42.39	47.39	45.78	74.00	-28.22	peak
5	11510.000	12.14	37.90	38.20	37.70	49.54	74.00	-24.46	peak
6	17265.000	16.12	42.76	40.51	33.68	52.05	74.00	-21.95	peak

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



Condition: 3m VERTICAL

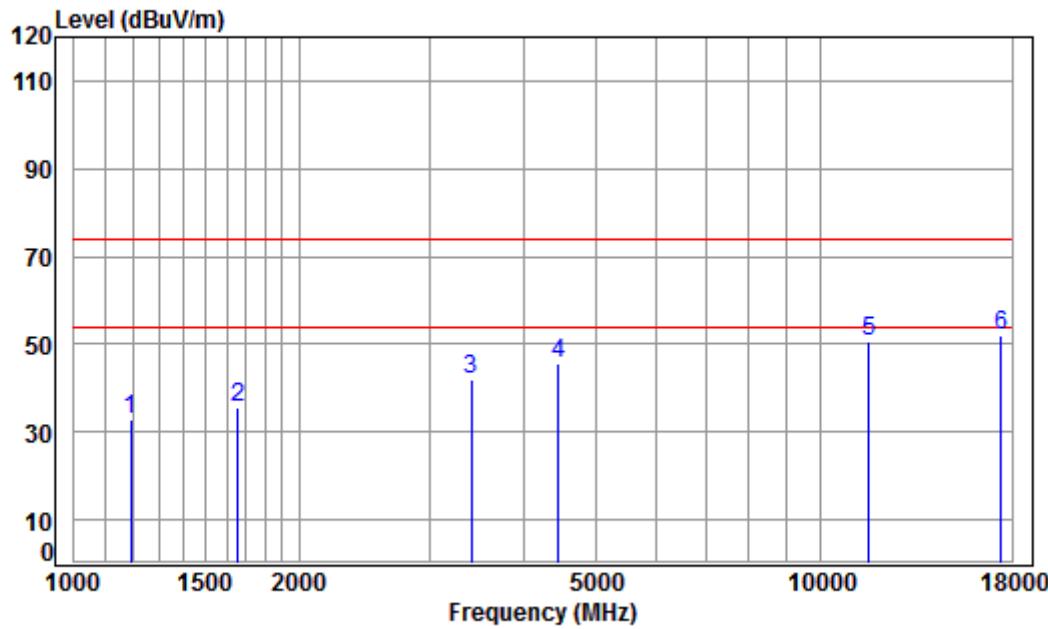
Job No : 02324CR

Mode : 5755 TX RSE

Note : 5G WIFI 11AC40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1297.103	4.79	25.01	41.26	44.23	32.77	74.00	-41.23	peak
2	1692.231	5.24	26.64	41.53	46.60	36.95	74.00	-37.05	peak
3	3455.508	6.42	31.63	42.21	47.50	43.34	74.00	-30.66	peak
4	4405.090	7.46	33.44	42.40	47.21	45.71	74.00	-28.29	peak
5	11510.000	12.14	37.90	38.20	37.77	49.61	74.00	-24.39	peak
6	pp17265.000	16.12	42.76	40.51	33.50	51.87	74.00	-22.13	peak

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



Condition: 3m HORIZONTAL

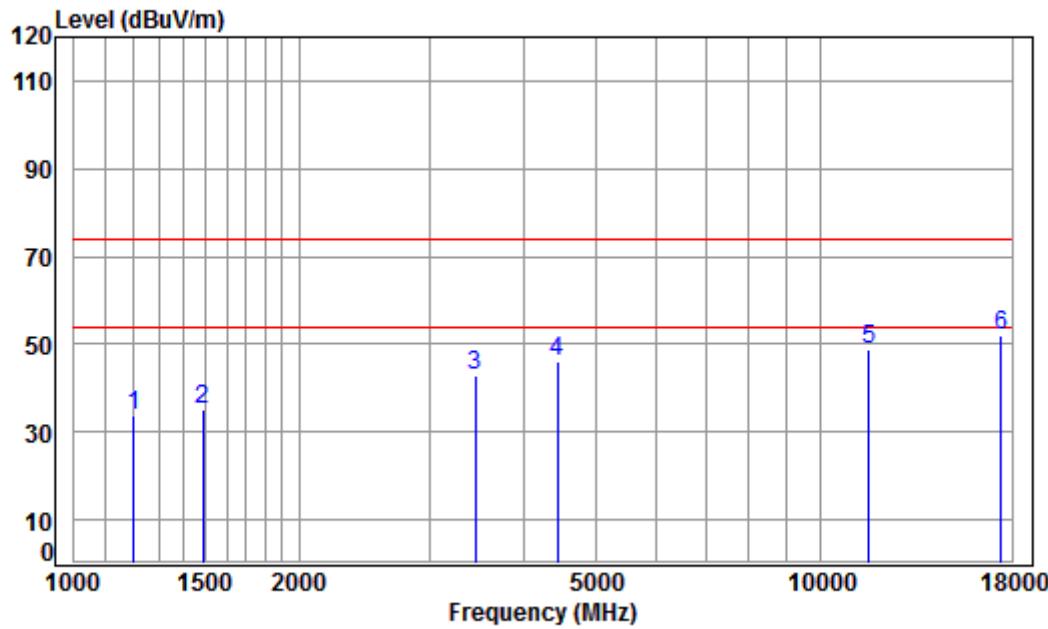
Job No : 02324CR

Mode : 5795 TX RSE

Note : 5G WIFI 11AC40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1192.811	4.39	24.56	41.18	45.28	33.05	74.00	-40.95	peak
2	1658.337	5.28	26.50	41.51	45.29	35.56	74.00	-38.44	peak
3	3405.929	6.38	31.56	42.20	46.39	42.13	74.00	-31.87	peak
4	4456.315	7.51	33.53	42.41	47.14	45.77	74.00	-28.23	peak
5	11590.000	12.17	37.86	38.25	38.72	50.50	74.00	-23.50	peak
6	pp17385.000	15.85	42.83	40.60	34.05	52.13	74.00	-21.87	peak

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



Condition: 3m VERTICAL

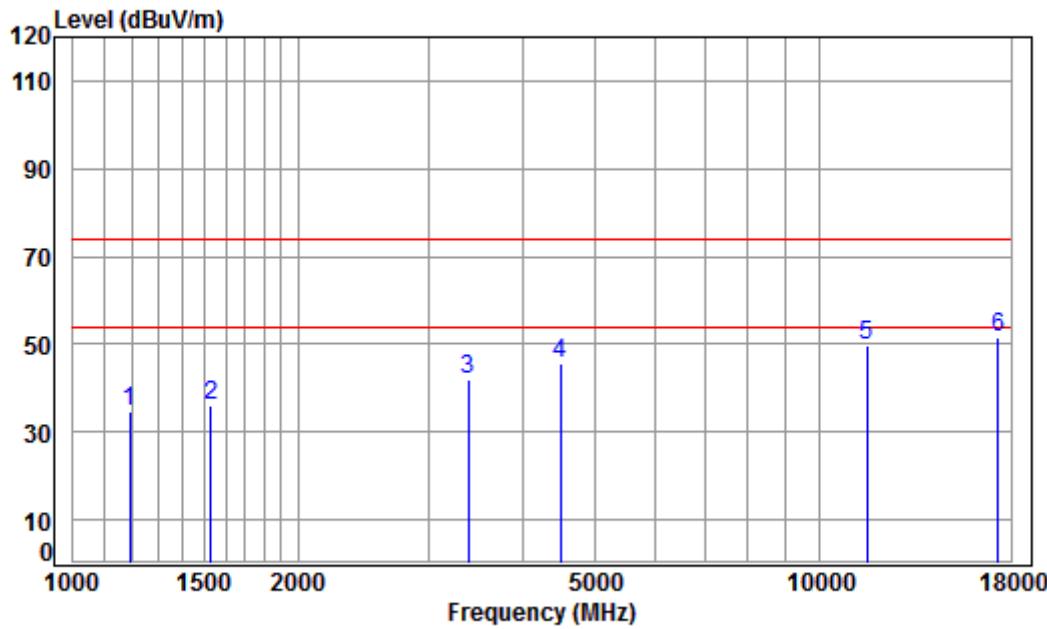
Job No : 02324CR

Mode : 5795 TX RSE

Note : 5G WIFI 11AC40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1203.199	4.43	24.60	41.19	45.71	33.55	74.00	-40.45 peak
2	1485.841	5.43	25.75	41.40	45.33	35.11	74.00	-38.89 peak
3	3445.535	6.41	31.62	42.21	47.28	43.10	74.00	-30.90 peak
4	4430.628	7.48	33.48	42.41	47.48	46.03	74.00	-27.97 peak
5	11590.000	12.17	37.86	38.25	36.95	48.73	74.00	-25.27 peak
6	pp17385.000	15.85	42.83	40.60	34.06	52.14	74.00	-21.86 peak

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



Condition: 3m HORIZONTAL

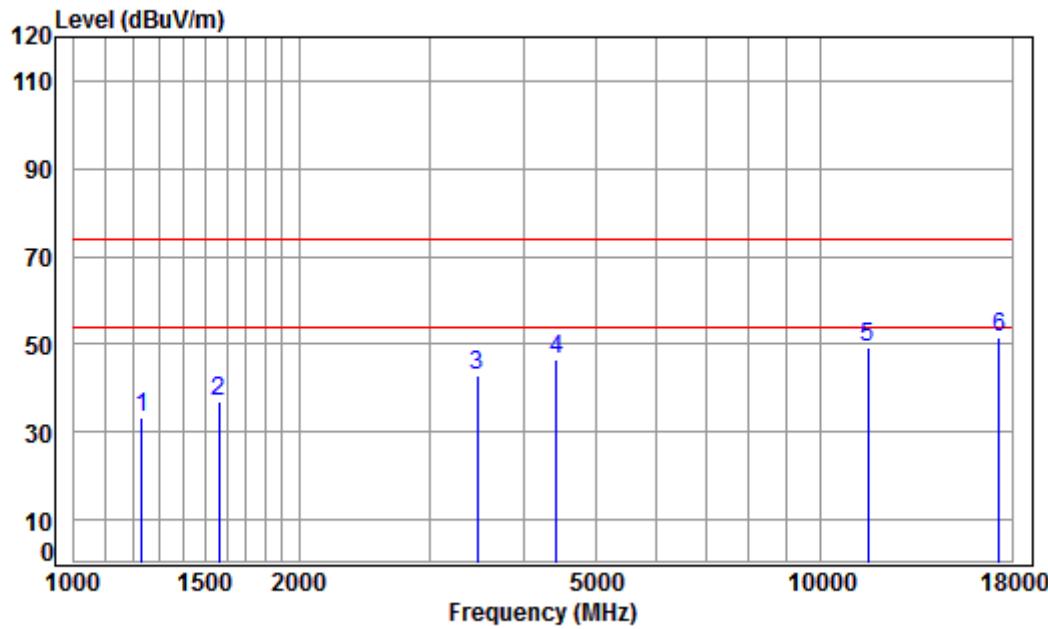
Job No : 02324CR

Mode : 5775 TX RSE

Note : 5G WIFI 11AC80

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1192.811	4.39	24.56	41.18	46.68	34.45	74.00	-39.55	peak
2	1529.414	5.44	25.94	41.43	45.94	35.89	74.00	-38.11	peak
3	3376.523	6.35	31.51	42.19	46.41	42.08	74.00	-31.92	peak
4	4495.125	7.55	33.59	42.42	46.90	45.62	74.00	-28.38	peak
5	11550.000	12.16	37.88	38.23	37.90	49.71	74.00	-24.29	peak
6	pp17325.000	15.98	42.80	40.55	33.33	51.56	74.00	-22.44	peak

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



Condition: 3m VERTICAL

Job No : 02324CR

Mode : 5775 TX RSE

Note : 5G WIFI 11AC80

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	1231.345	4.54	24.73	41.21	45.34	33.40	74.00	-40.60	peak
2	1565.191	5.39	26.10	41.45	46.96	37.00	74.00	-37.00	peak
3	3465.510	6.43	31.65	42.21	47.13	43.00	74.00	-31.00	peak
4	4417.841	7.47	33.46	42.40	47.86	46.39	74.00	-27.61	peak
5	11550.000	12.16	37.88	38.23	37.67	49.48	74.00	-24.52	peak
6	pp17325.000	15.98	42.80	40.55	33.11	51.34	74.00	-22.66	peak

### **7.12 Radiated Emissions which fall in the restricted bands**

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

Test Method: KDB 789033 D02 II G

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.

### 7.12.1 E.U.T. Operation

#### Operating Environment:

Temperature: 21 °C      Humidity: 53.2 % RH      Atmospheric Pressure: 1010 mbar

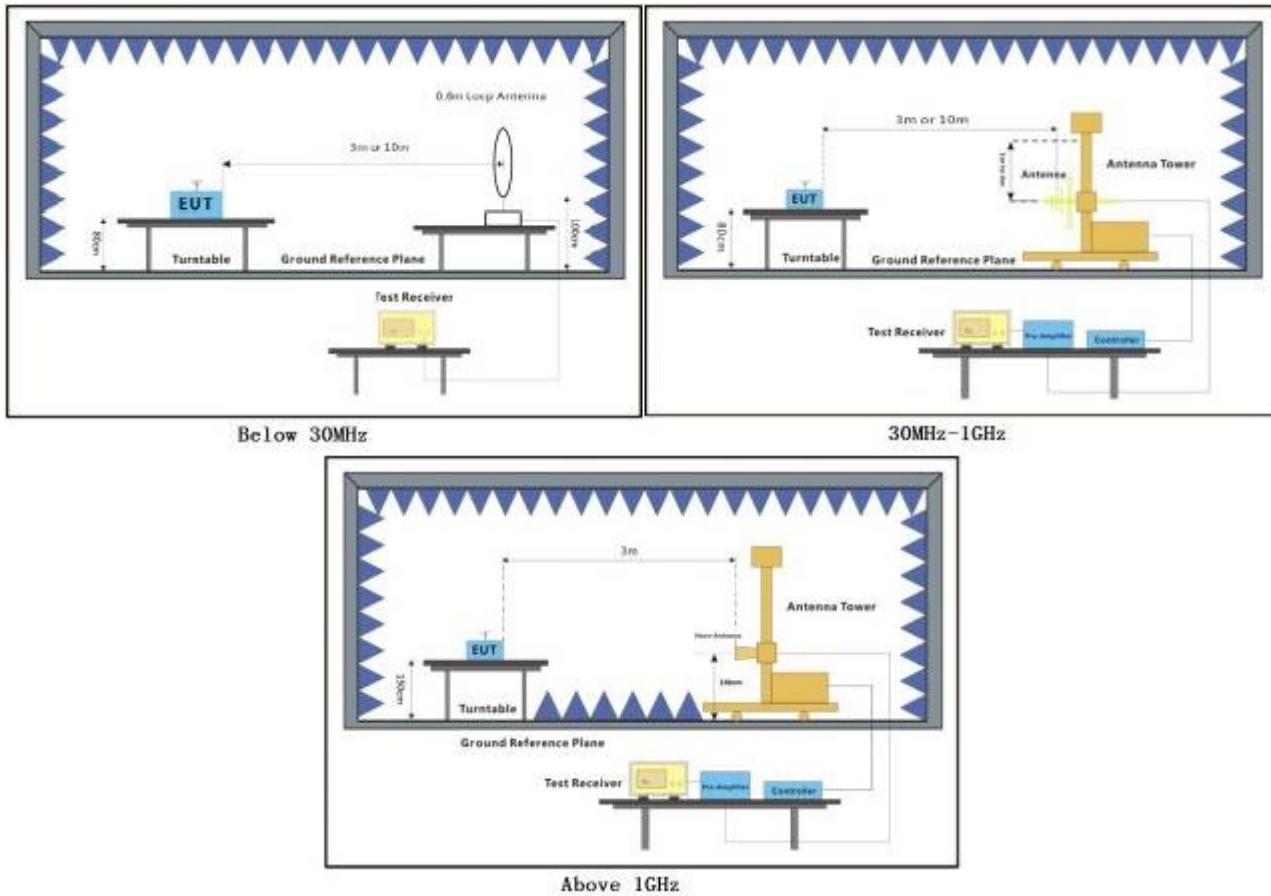
Pretest these modes to find the worst case:  
g:TX mode (Band 1)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of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

i: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.

The worst case for final test:  
g: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.

i: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.

**7.12.2 Test Setup Diagram**

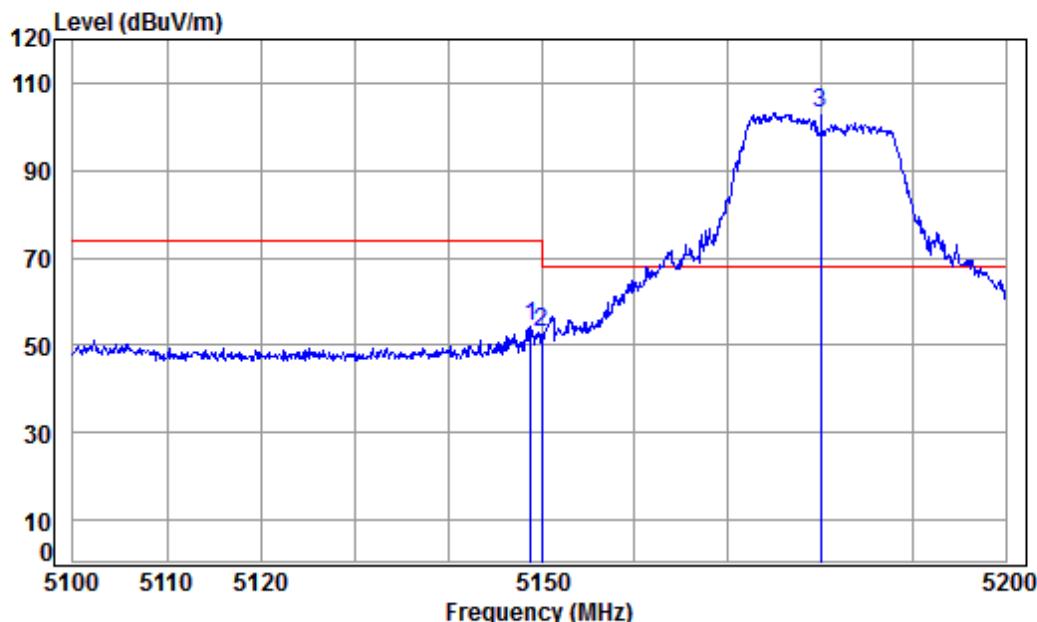
### **7.12.3 Measurement Procedure and Data**

- 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

Remark: 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, first of all, performed all of the test at SISO mode, each antenna was tested separately; then performed all of the test at MIMO mode, two antennas were transmitting simultaneously. At last, found the MIMO mode is the worst case, so only record the worst case in the report.

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



Condition: 3m HORIZONTAL

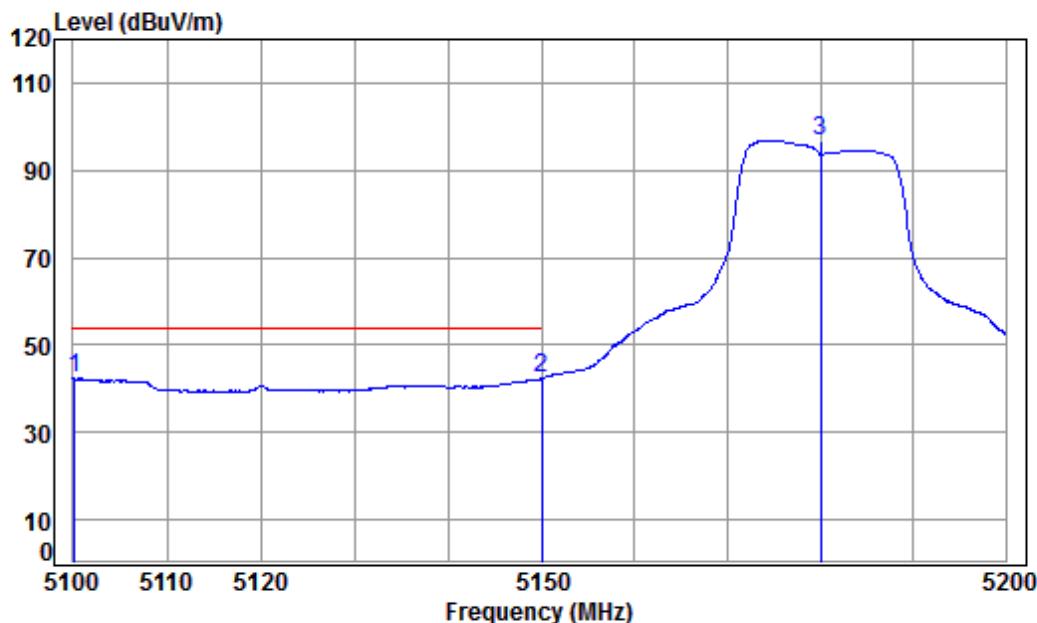
Job No : 02324CR

Mode : 5180 Band edge

Note : 5G WiFi 11A 20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Remark
1	5148.857	8.32	34.32	42.36	53.83	54.11	74.00	-19.89	peak
2	5149.980	8.33	34.32	42.36	52.68	52.97	74.00	-21.03	peak
3 pp	5180.000	8.37	34.35	42.33	102.61	103.00	68.20	34.80	peak

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



Condition: 3m HORIZONTAL

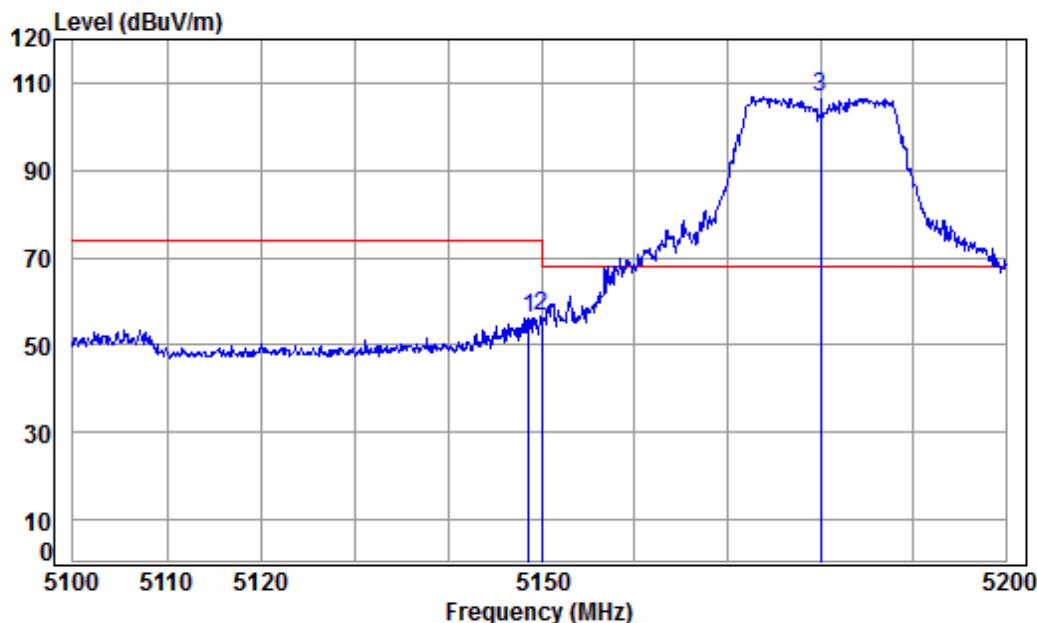
Job No : 02324CR

Mode : 5180 Band edge

Note : 5G WiFi 11A 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5100.198	8.25	34.28	42.40	42.31	42.44	54.00	-11.56	Average
2 pp	5149.980	8.33	34.32	42.36	42.26	42.55	54.00	-11.45	Average
3	5180.000	8.37	34.35	42.33	96.48	96.87	-----	-----	Average

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



Condition: 3m VERTICAL

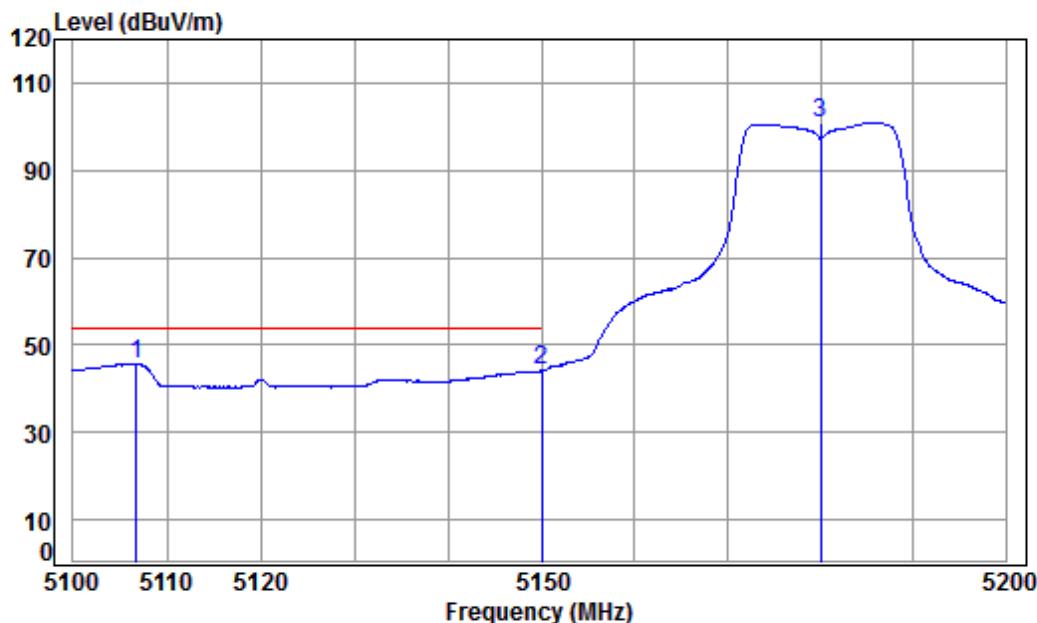
Job No : 02324CR

Mode : 5180 Band edge

Note : 5G WiFi 11A 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.657	8.32	34.32	42.36	55.81	56.09	74.00	-17.91	Peak
2	5149.980	8.33	34.32	42.36	56.07	56.36	74.00	-17.64	Peak
3 pp	5180.000	8.37	34.35	42.33	106.36	106.75	68.20	38.55	Peak

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



Condition: 3m VERTICAL

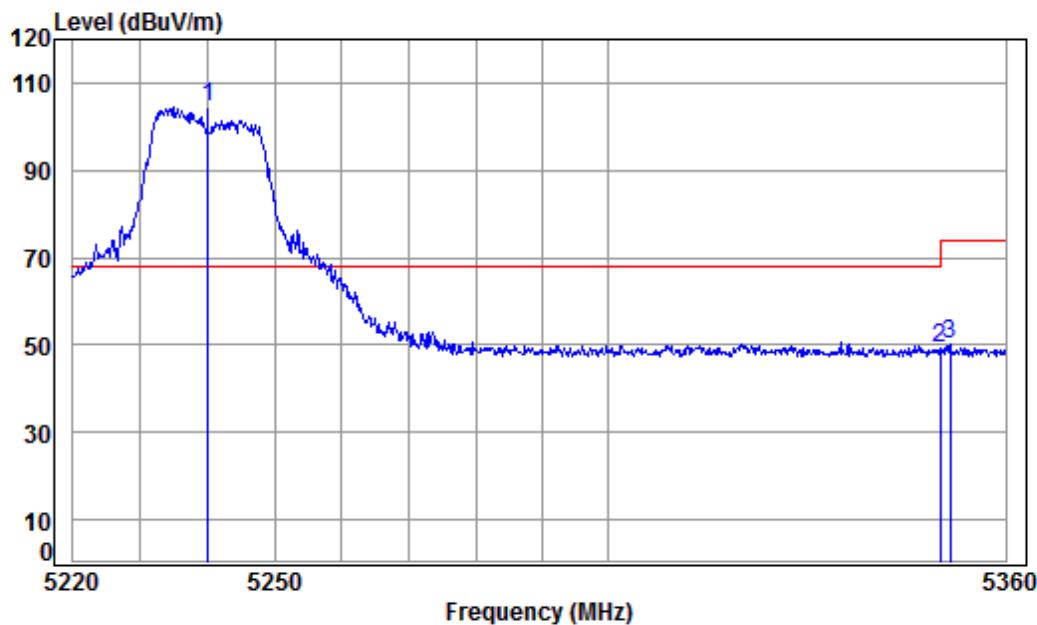
Job No : 02324CR

Mode : 5180 Band edge

Note : 5G WiFi 11A 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5106.739	8.26	34.29	42.40	45.49	45.64	54.00	-8.36 Average
2		5149.980	8.33	34.32	42.36	43.95	44.24	54.00	-9.76 Average
3		5180.000	8.37	34.35	42.33	100.44	100.83	-----	----- Average

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



Condition: 3m HORIZONTAL

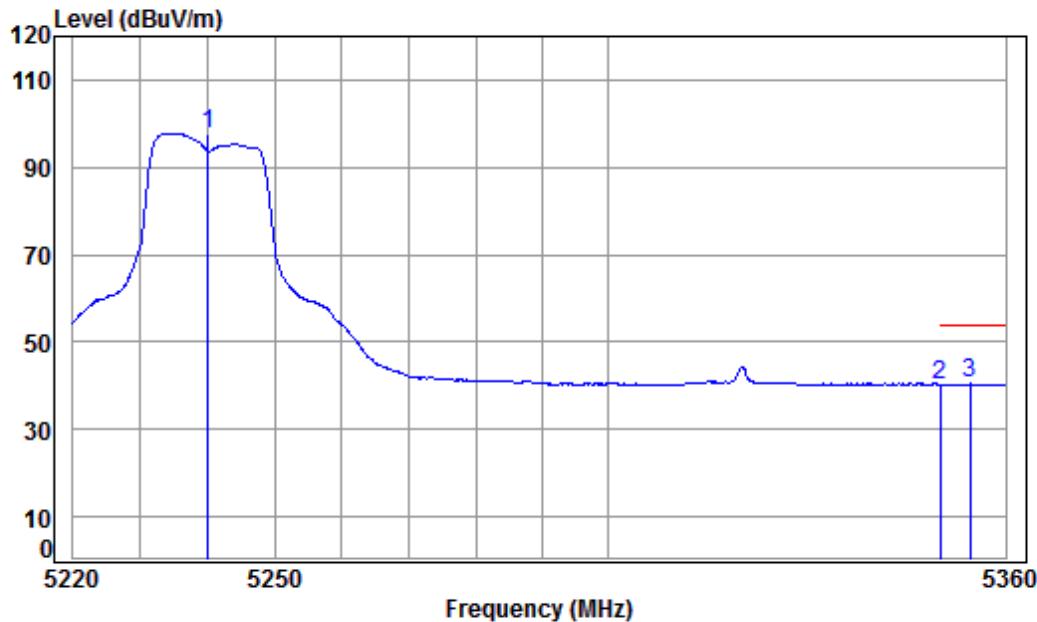
Job No : 02324CR

Mode : 5240 Band edge

Note : 5G WiFi 11A 20

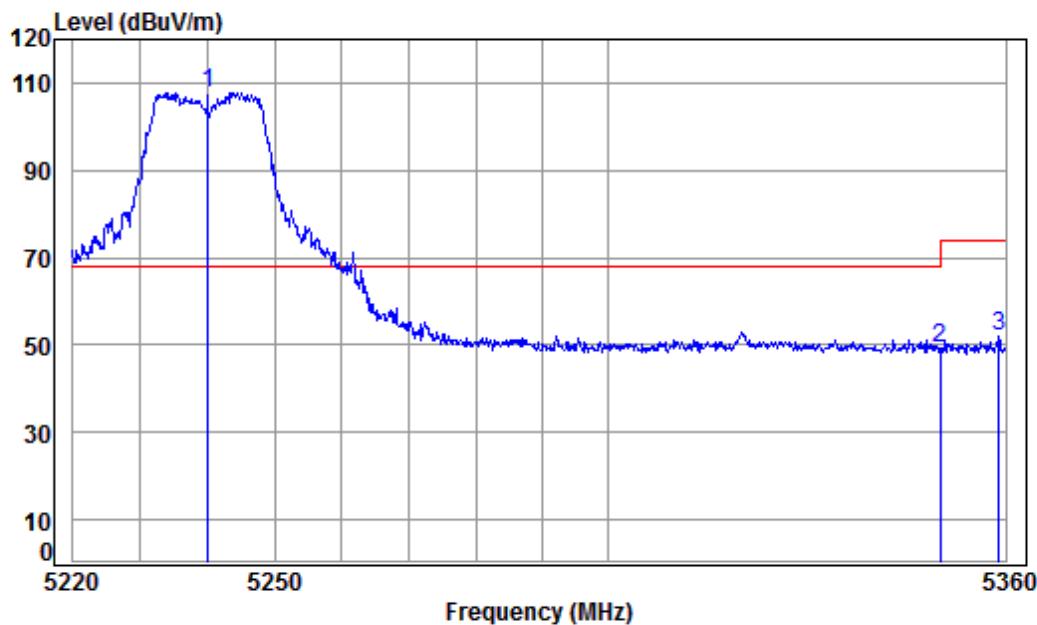
		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5240.000	8.46	34.40	42.27	103.74	104.33	68.20	36.13 peak
2		5350.020	8.63	34.48	42.17	48.40	49.34	74.00	-24.66 peak
3		5351.495	8.63	34.49	42.17	49.01	49.96	74.00	-24.04 peak

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



		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.000	8.46	34.40	42.27	97.22	97.81	-----	-----	Average
2	5350.020	8.63	34.48	42.17	39.33	40.27	54.00	-13.73	Average
3	5354.612	8.64	34.49	42.16	39.47	40.44	54.00	-13.56	Average

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



Condition: 3m VERTICAL

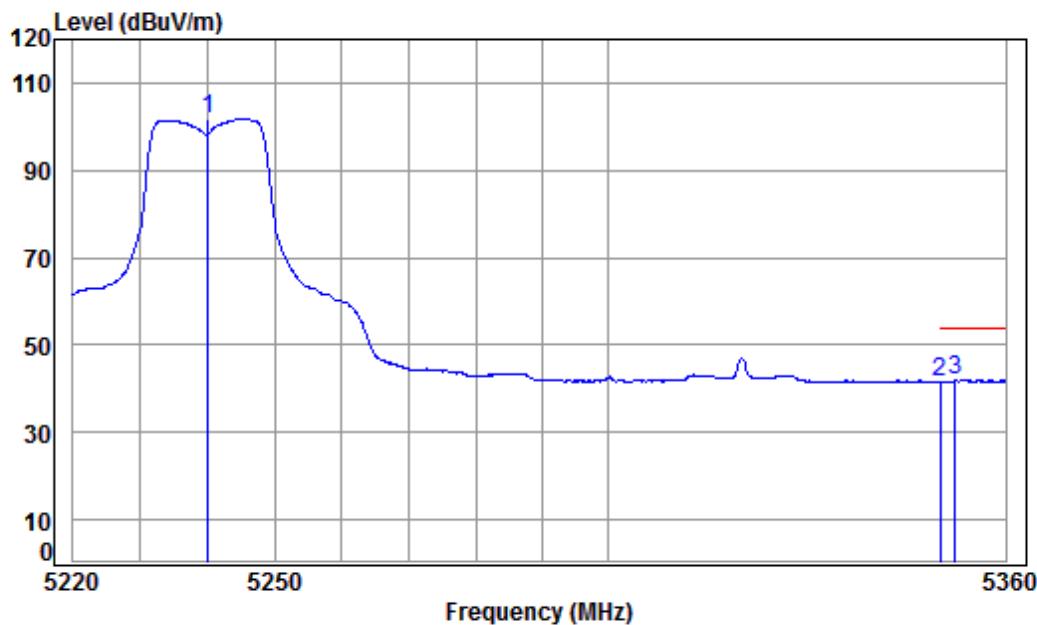
Job No : 02324CR

Mode : 5240 Band edge

Note : 5G WiFi 11A 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5240.000	8.46	34.40	42.27	107.17	107.76	68.20	39.56 Peak
2		5350.020	8.63	34.48	42.17	48.42	49.36	74.00	-24.64 Peak
3		5359.007	8.64	34.49	42.16	51.22	52.19	74.00	-21.81 Peak

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



Condition: 3m VERTICAL

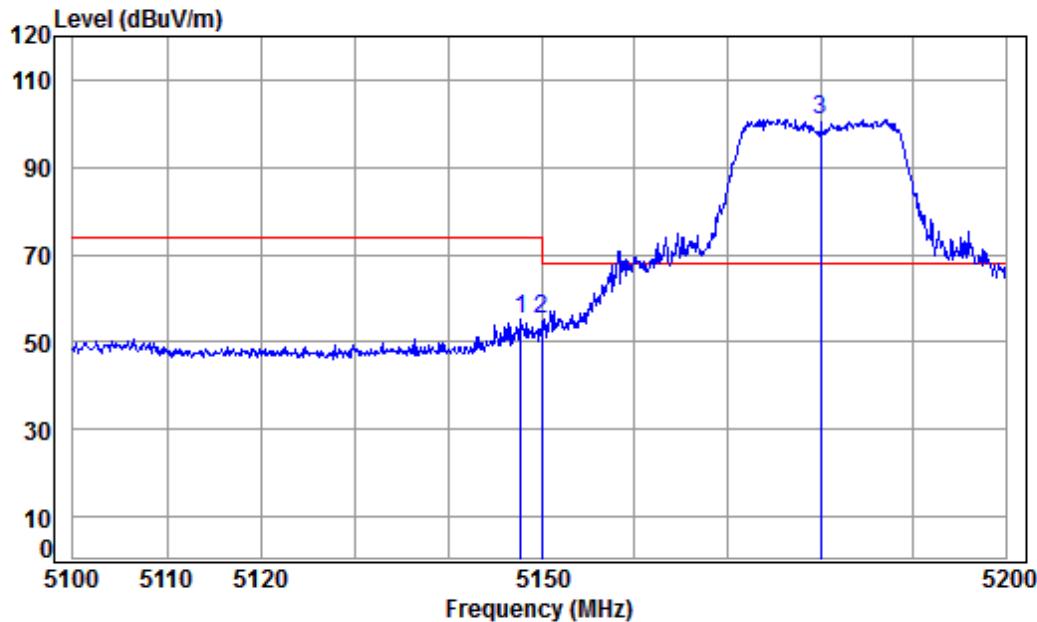
Job No : 02324CR

Mode : 5240 Band edge

Note : 5G WiFi 11A 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.000	8.46	34.40	42.27	101.04	101.63	-----	-----	Average
2	5350.020	8.63	34.48	42.17	40.73	41.67	54.00	-12.33	Average
3 pp	5352.345	8.63	34.49	42.17	41.01	41.96	54.00	-12.04	Average

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



Condition: 3m HORIZONTAL

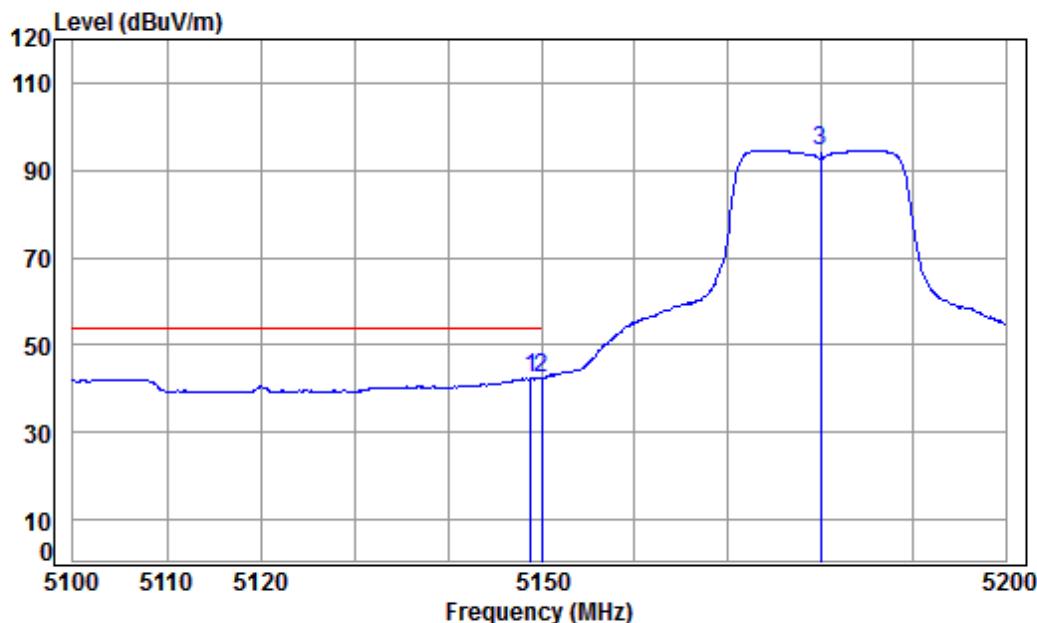
Job No : 02324CR

Mode : 5180 Band edge

Note : 5G WiFi 11N 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5147.758	8.32	34.32	42.36	54.96	55.24	74.00	-18.76	peak
2	5149.980	8.33	34.32	42.36	55.09	55.38	74.00	-18.62	peak
3 pp	5180.000	8.37	34.35	42.33	100.60	100.99	68.20	32.79	peak

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



Condition: 3m HORIZONTAL

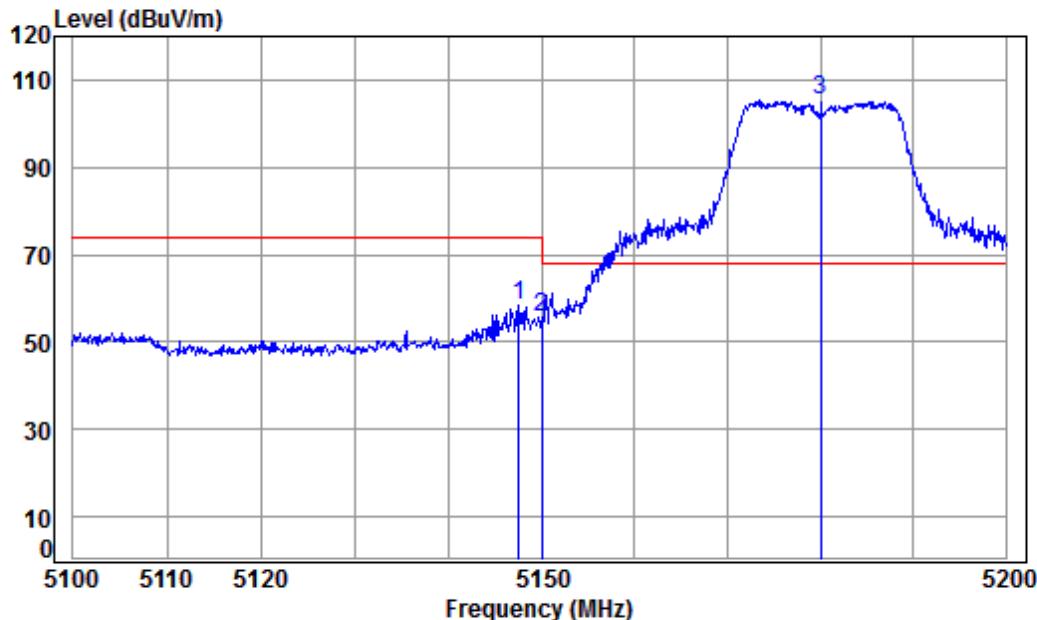
Job No : 02324CR

Mode : 5180 Band edge

Note : 5G WiFi 11N 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1		5148.857	8.32	34.32	42.36	42.06	42.34	54.00	-11.66 Average
2	pp	5149.980	8.33	34.32	42.36	42.25	42.54	54.00	-11.46 Average
3		5180.000	8.37	34.35	42.33	94.23	94.62	-----	----- Average

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



Condition: 3m VERTICAL

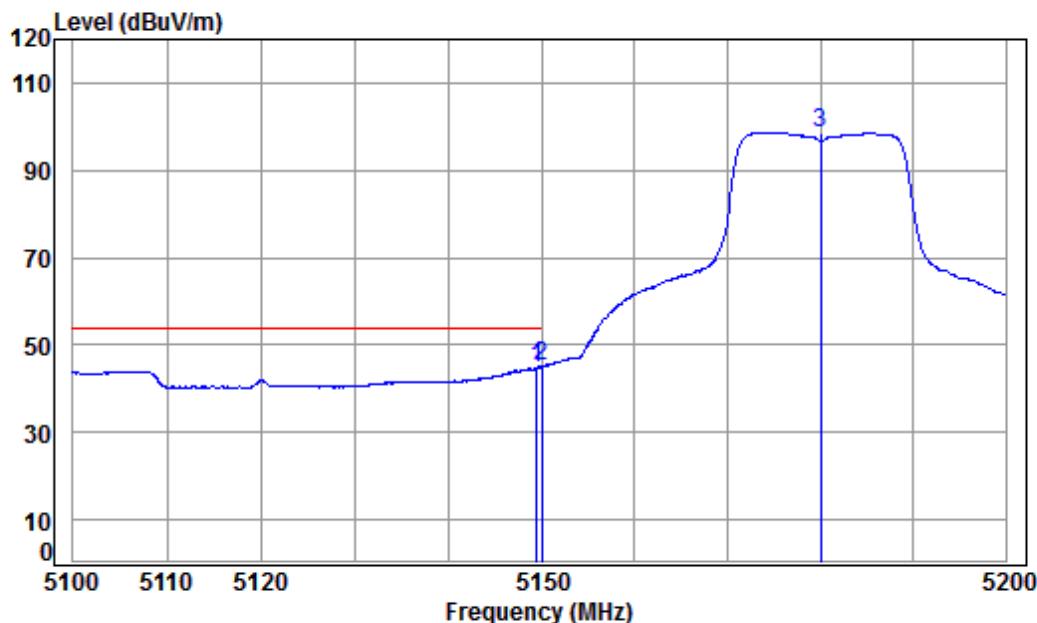
Job No : 02324CR

Mode : 5180 Band edge

Note : 5G WiFi 11N 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5147.558	8.32	34.32	42.36	58.17	58.45	74.00	-15.55	Peak
2	5149.980	8.33	34.32	42.36	55.54	55.83	74.00	-18.17	Peak
3 pp	5180.000	8.37	34.35	42.33	104.90	105.29	68.20	37.09	Peak

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



Condition: 3m VERTICAL

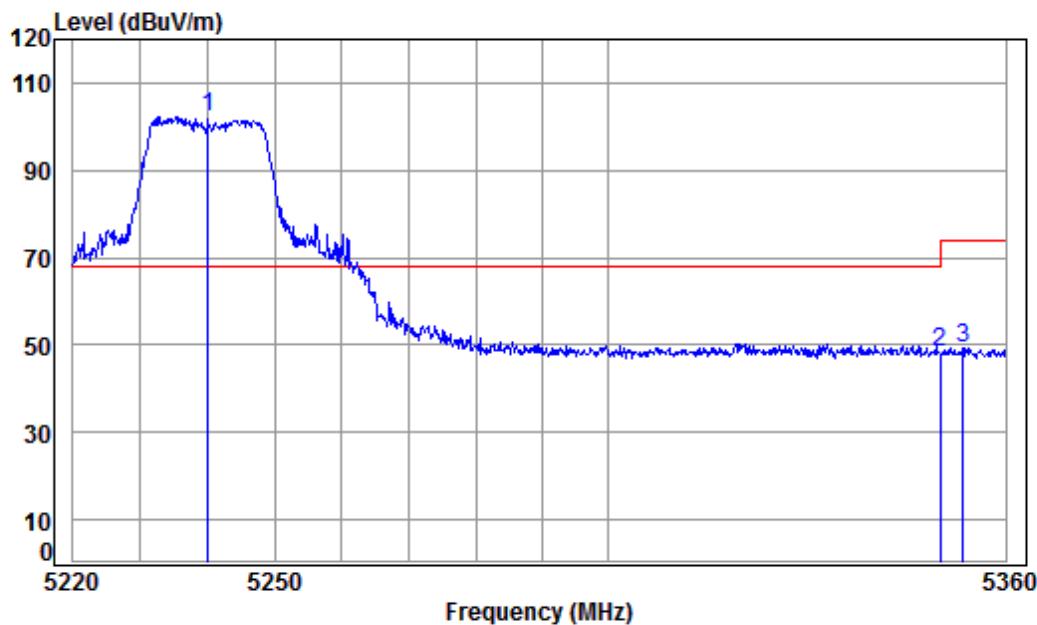
Job No : 02324CR

Mode : 5180 Band edge

Note : 5G WiFi 11N 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.458	8.32	34.32	42.36	44.47	44.75	54.00	-9.25	Average
2 pp	5149.980	8.33	34.32	42.36	44.96	45.25	54.00	-8.75	Average
3	5180.000	8.37	34.35	42.33	98.27	98.66	-----	-----	Average

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



Condition: 3m HORIZONTAL

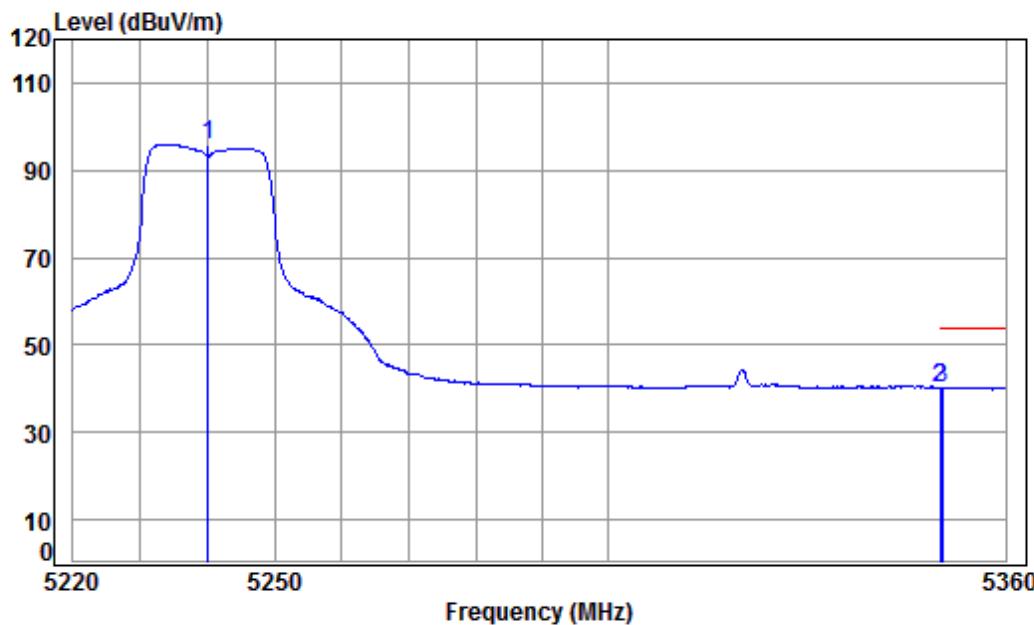
Job No : 02324CR

Mode : 5240 Band edge

Note : 5G WiFi 11N 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5240.000	8.46	34.40	42.27	101.70	102.29	68.20	34.09 peak
2		5350.020	8.63	34.48	42.17	47.48	48.42	74.00	-25.58 peak
3		5353.479	8.63	34.49	42.17	48.49	49.44	74.00	-24.56 peak

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



Condition: 3m HORIZONTAL

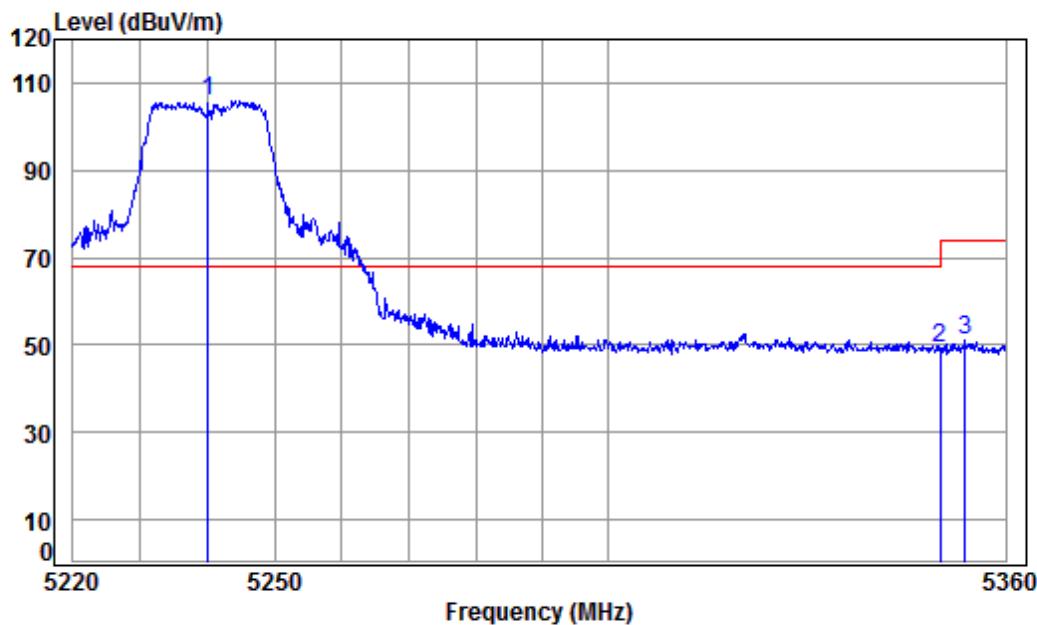
Job No : 02324CR

Mode : 5240 Band edge

Note : 5G WiFi 11N 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.000	8.46	34.40	42.27	95.30	95.89	-----	-----	Average
2 pp	5350.020	8.63	34.48	42.17	39.41	40.35	54.00	-13.65	Average
3	5350.362	8.63	34.48	42.17	39.41	40.35	54.00	-13.65	Average

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



Condition: 3m VERTICAL

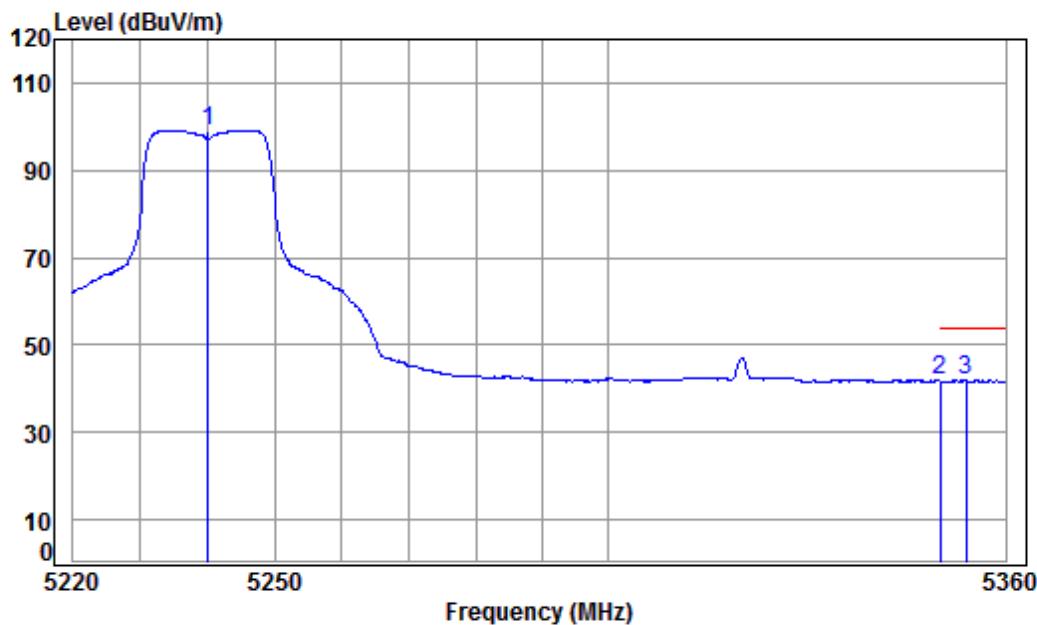
Job No : 02324CR

Mode : 5240 Band edge

Note : 5G WiFi 11N 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5240.000	8.46	34.40	42.27	105.38	105.97	68.20	37.77 Peak
2		5350.020	8.63	34.48	42.17	48.14	49.08	74.00	-24.92 Peak
3		5353.903	8.64	34.49	42.17	50.09	51.05	74.00	-22.95 Peak

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



Condition: 3m VERTICAL

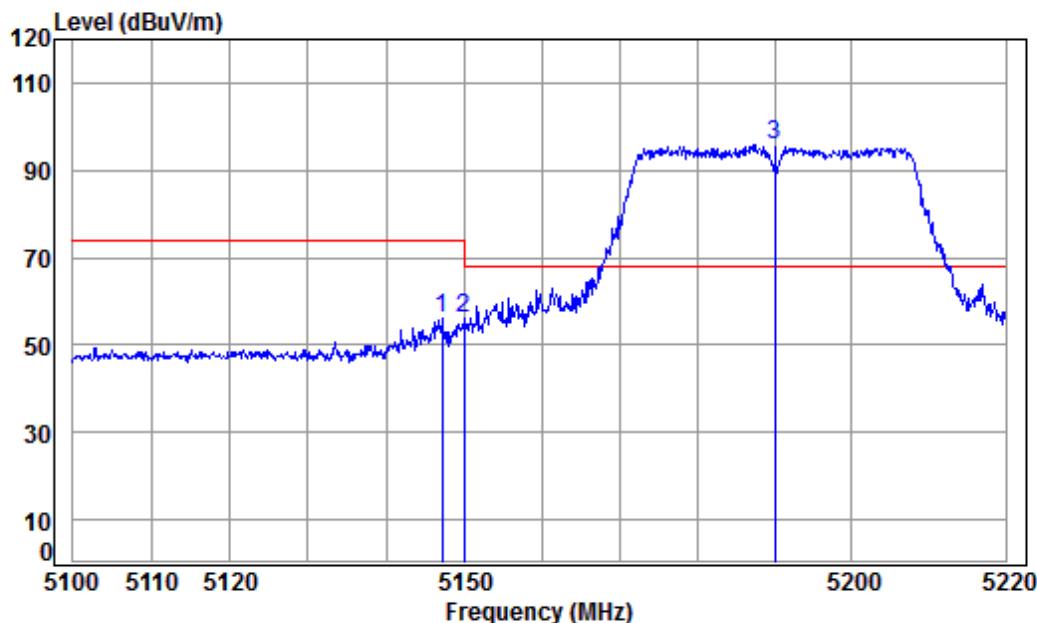
Job No : 02324CR

Mode : 5240 Band edge

Note : 5G WiFi 11N 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.000	8.46	34.40	42.27	98.64	99.23	-----	-----	Average
2	5350.020	8.63	34.48	42.17	40.87	41.81	54.00	-12.19	Average
3 pp	5354.045	8.64	34.49	42.17	41.03	41.99	54.00	-12.01	Average

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



Condition: 3m HORIZONTAL

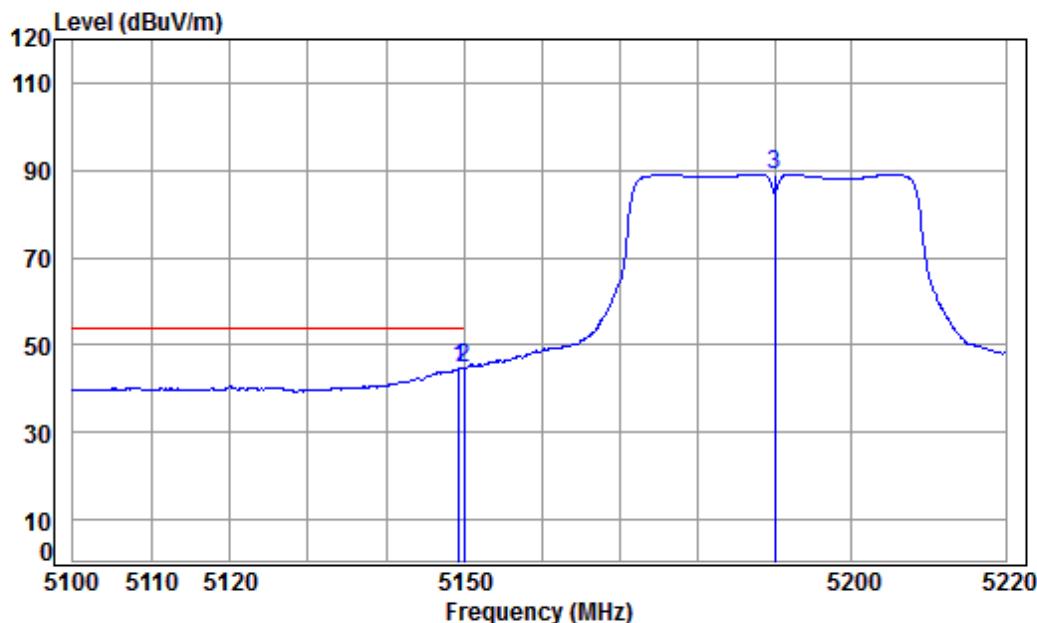
Job No : 02324CR

Mode : 5190 Band edge

Note : 5G WiFi 11N 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5147.187	8.32	34.32	42.36	55.62	55.90	74.00	-18.10	peak
2	5149.980	8.33	34.32	42.36	55.93	56.22	74.00	-17.78	peak
3 pp	5190.000	8.39	34.36	42.32	95.22	95.65	68.20	27.45	peak

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



Condition: 3m HORIZONTAL

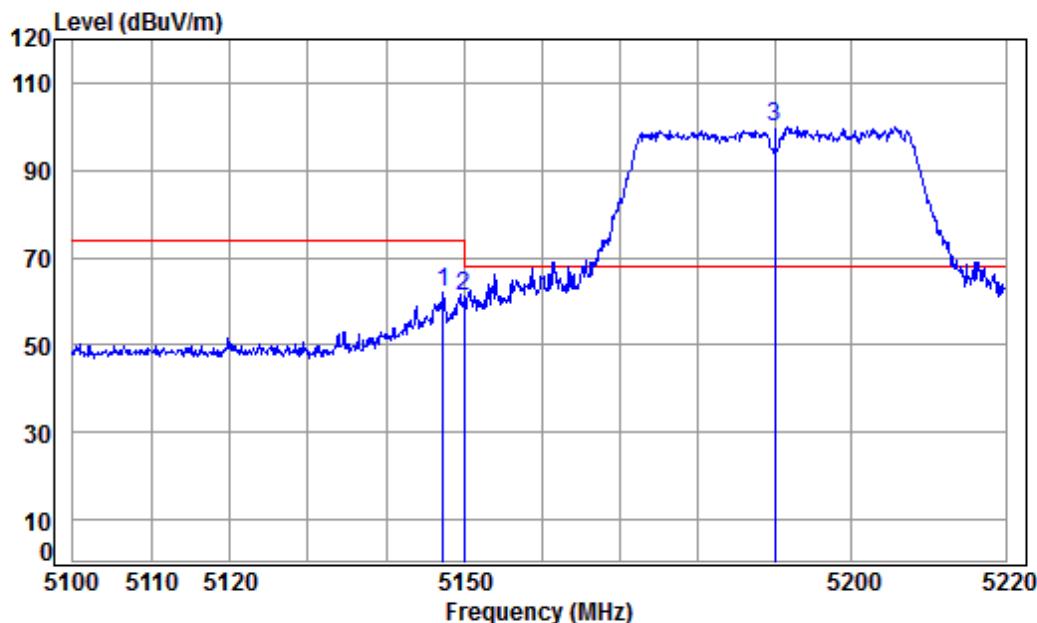
Job No : 02324CR

Mode : 5190 Band edge

Note : 5G WiFi 11N 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Over Remark
1	5149.342	8.32	34.32	42.36	44.28	44.56	54.00	-9.44	Average	
2 pp	5149.980	8.33	34.32	42.36	44.60	44.89	54.00	-9.11	Average	
3	5190.000	8.39	34.36	42.32	88.64	89.07	-----	-----	Average	

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



Condition: 3m VERTICAL

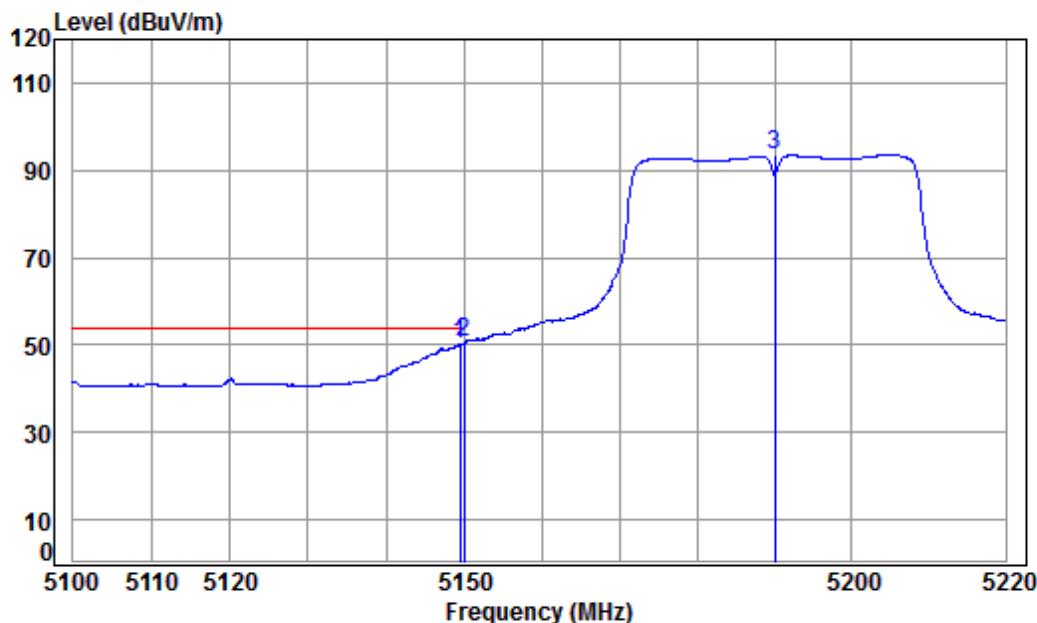
Job No : 02324CR

Mode : 5190 Band edge

Note : 5G WiFi 11N 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5147.306	8.32	34.32	42.36	61.91	62.19	74.00	-11.81	Peak
2	5149.980	8.33	34.32	42.36	61.04	61.33	74.00	-12.67	Peak
3 pp	5190.000	8.39	34.36	42.32	99.48	99.91	68.20	31.71	Peak

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



Condition: 3m VERTICAL

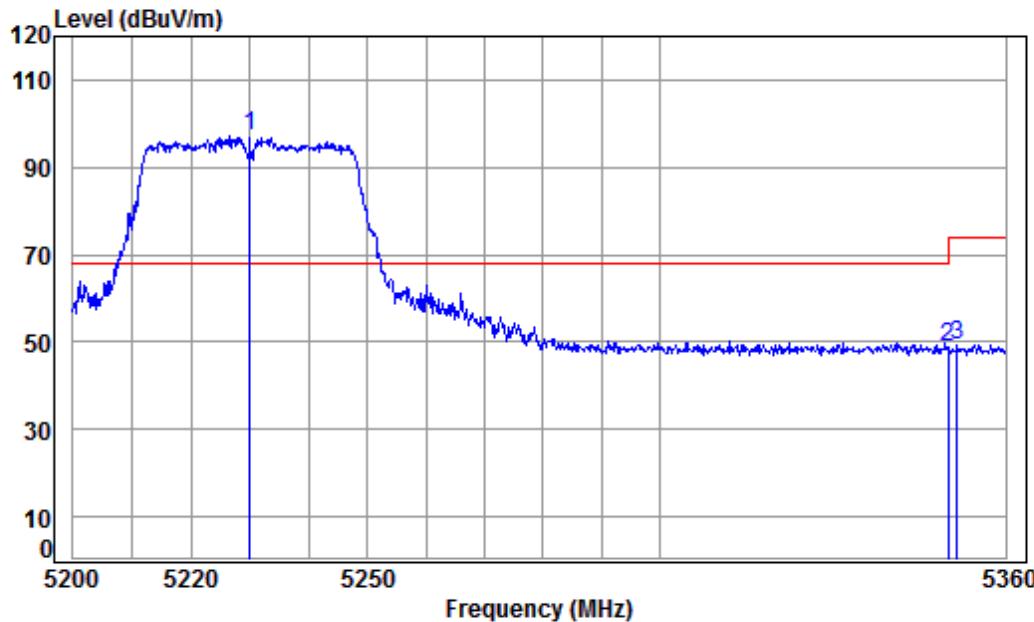
Job No : 02324CR

Mode : 5190 Band edge

Note : 5G WiFi 11N 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.461	8.32	34.32	42.36	49.90	50.18	54.00	-3.82	Average
2 pp	5149.980	8.33	34.32	42.36	50.36	50.65	54.00	-3.35	Average
3	5190.000	8.39	34.36	42.32	93.08	93.51	-----	-----	Average

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



Condition: 3m HORIZONTAL

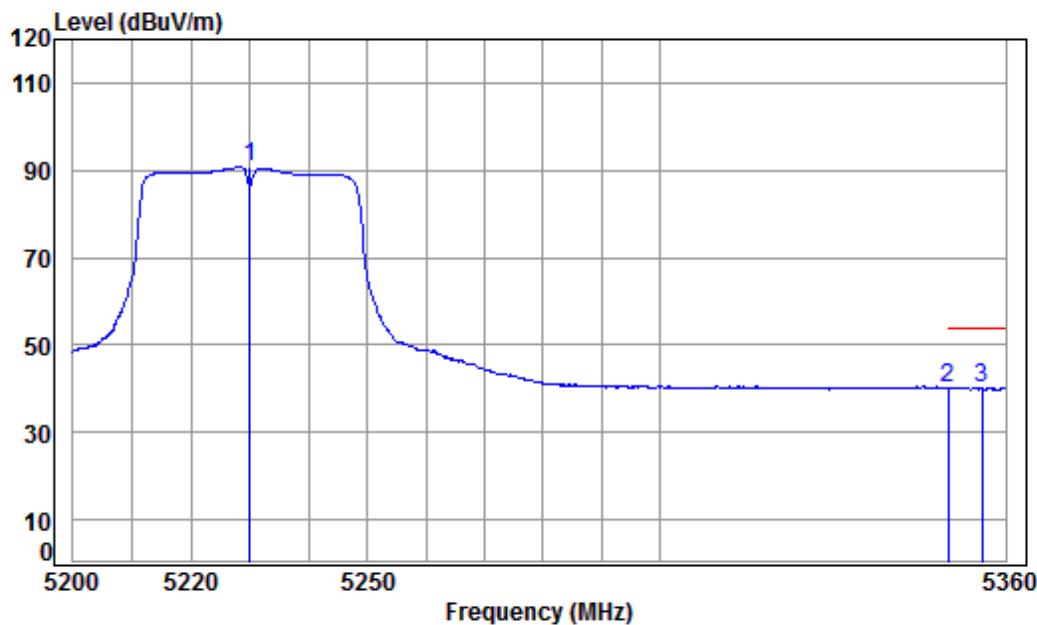
Job No : 02324CR

Mode : 5230 Band edge

Note : 5G WiFi 11N 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5230.000	8.45	34.39	42.28	96.57	97.13	68.20	28.93 peak
2		5350.020	8.63	34.48	42.17	47.91	48.85	74.00	-25.15 peak
3		5351.560	8.63	34.49	42.17	48.48	49.43	74.00	-24.57 peak

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



Condition: 3m HORIZONTAL

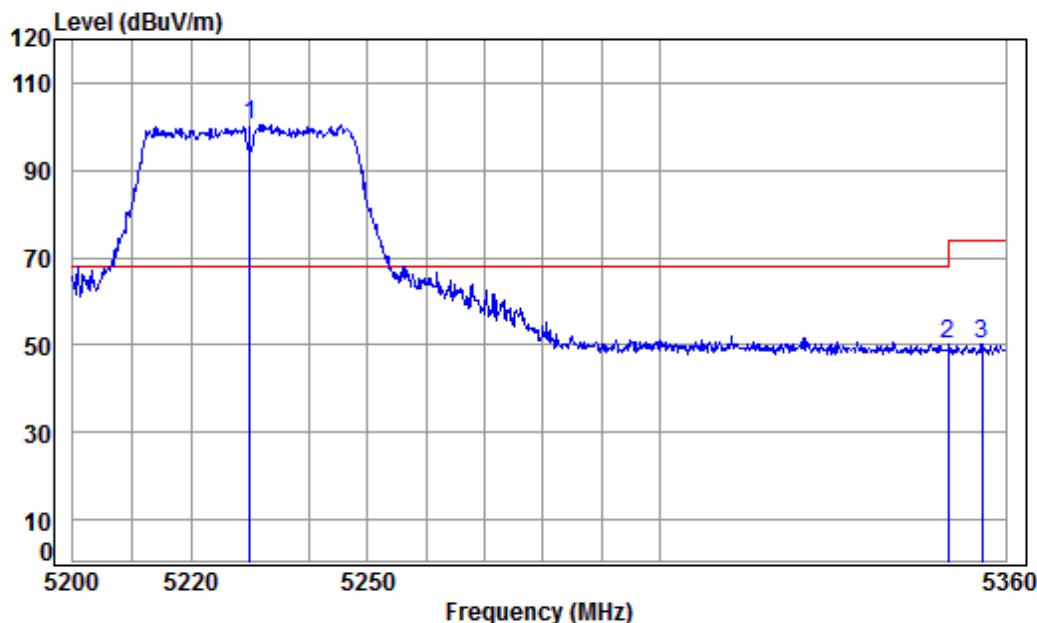
Job No : 02324CR

Mode : 5230 Band edge

Note : 5G WiFi 11N 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5230.000	8.45	34.39	42.28	90.07	90.63	-----	-----	Average
2	pp 5350.020	8.63	34.48	42.17	39.24	40.18	54.00	-13.82	Average
3	5355.940	8.64	34.49	42.16	39.21	40.18	54.00	-13.82	Average

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



Condition: 3m VERTICAL

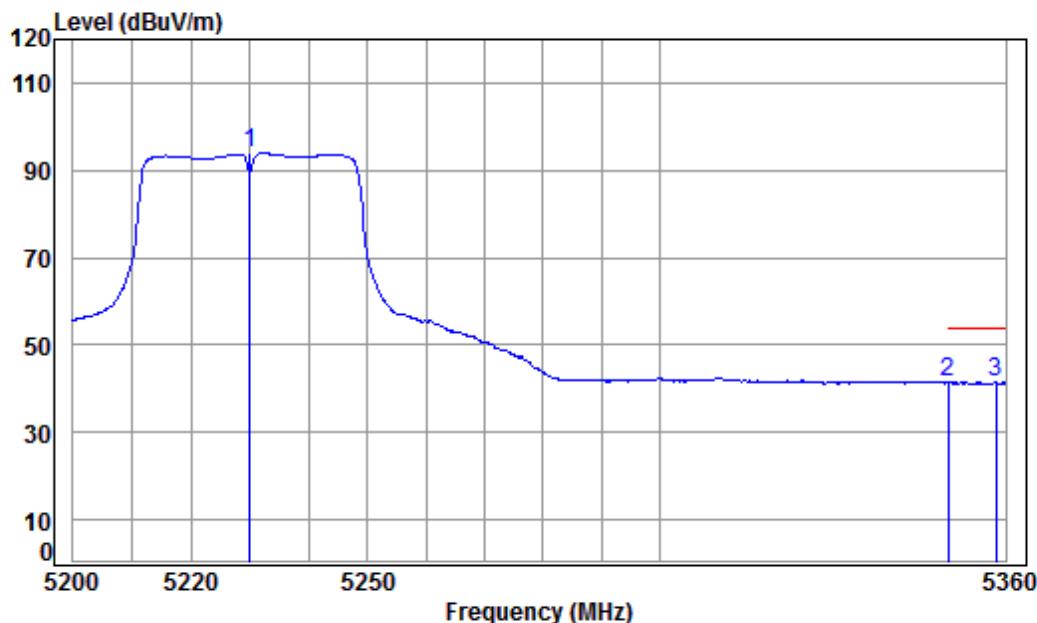
Job No : 02324CR

Mode : 5230 Band edge

Note : 5G WiFi 11N 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5230.000	8.45	34.39	42.28	99.85	100.41	68.20	32.21 Peak
2		5350.020	8.63	34.48	42.17	49.17	50.11	74.00	-23.89 Peak
3		5355.940	8.64	34.49	42.16	49.26	50.23	74.00	-23.77 Peak

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



Condition: 3m VERTICAL

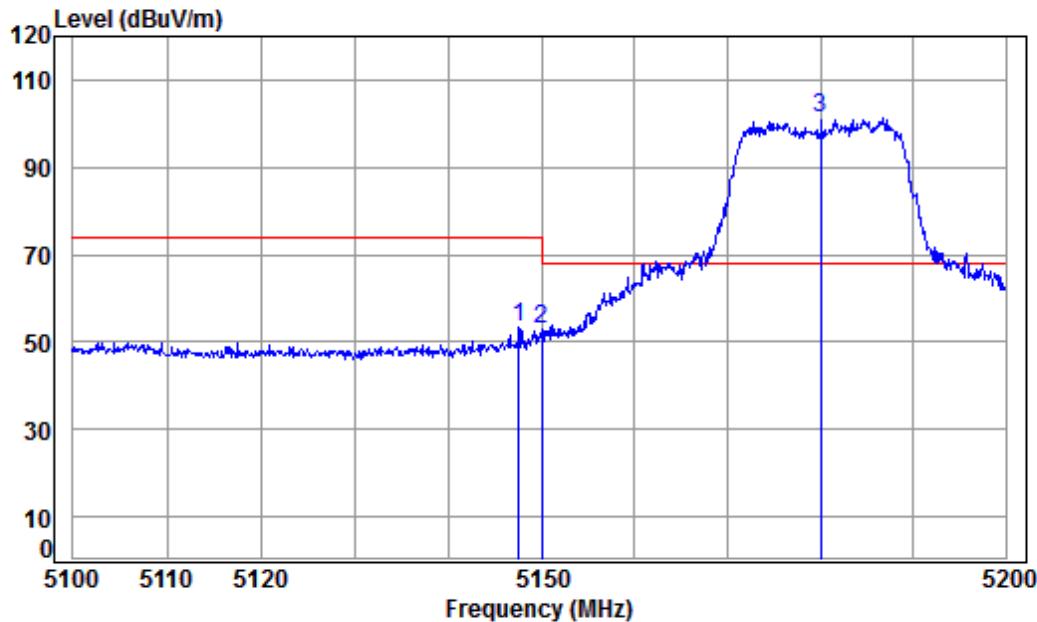
Job No : 02324CR

Mode : 5230 Band edge

Note : 5G WiFi 11N 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5230.000	8.45	34.39	42.28	93.30	93.86	-----	-----	Average
2 pp	5350.020	8.63	34.48	42.17	40.52	41.46	54.00	-12.54	Average
3	5358.376	8.64	34.49	42.16	40.42	41.39	54.00	-12.61	Average

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



Condition: 3m HORIZONTAL

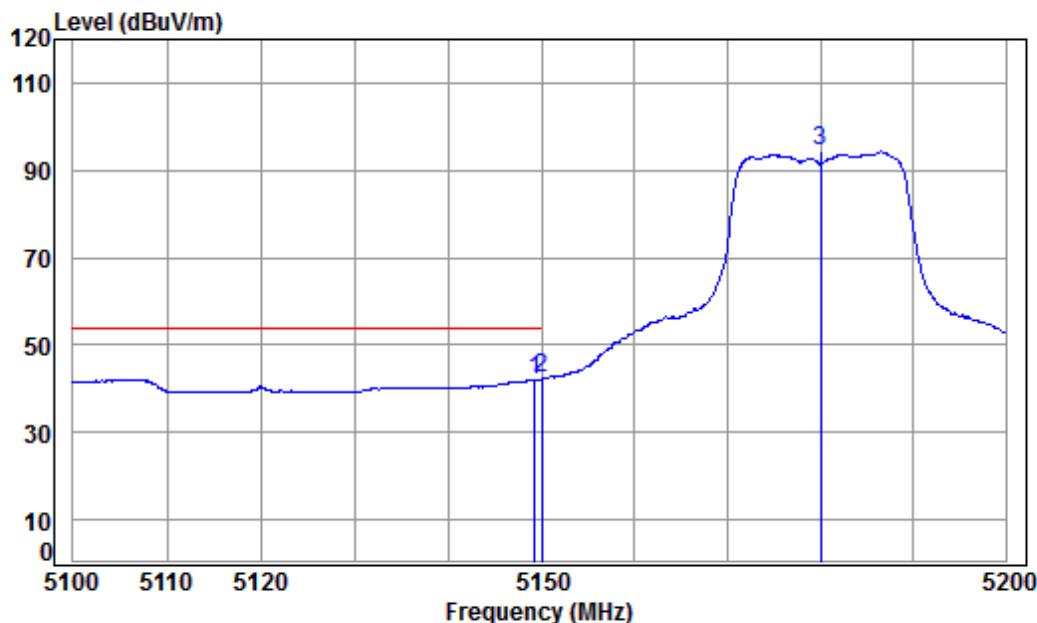
Job No : 02324CR

Mode : 5180 Band edge

Note : 5G WiFi 11AC 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5147.558	8.32	34.32	42.36	52.94	53.22	74.00	-20.78	peak
2	5149.980	8.33	34.32	42.36	52.81	53.10	74.00	-20.90	peak
3 pp	5180.000	8.37	34.35	42.33	100.99	101.38	68.20	33.18	peak

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



Condition: 3m HORIZONTAL

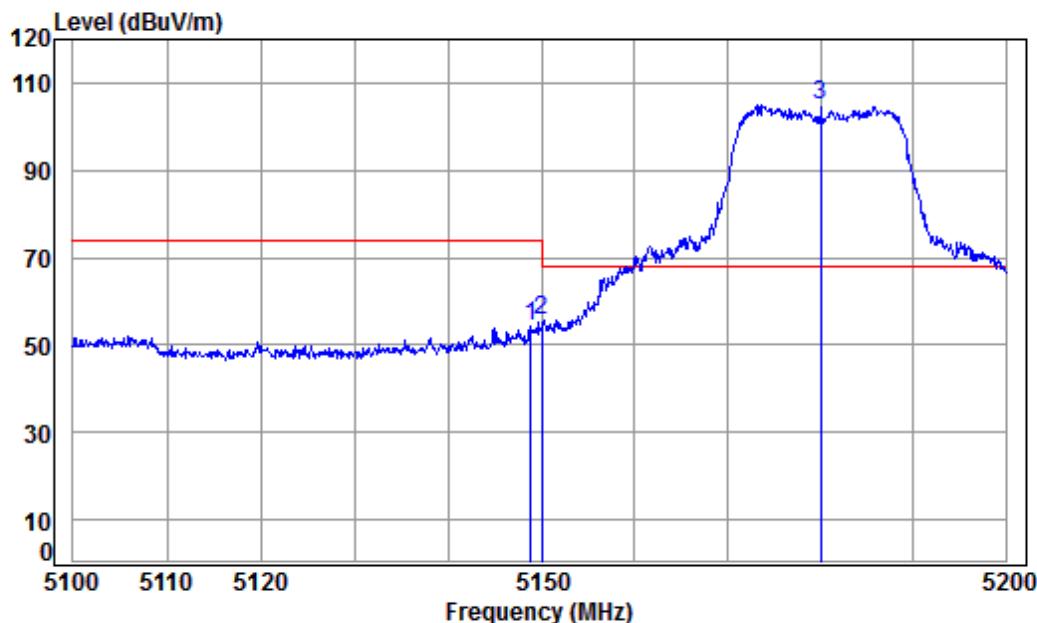
Job No : 02324CR

Mode : 5180 Band edge

Note : 5G WiFi 11AC 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1		5149.257	8.32	34.32	42.36	41.87	42.15	54.00	-11.85 Average
2	pp	5149.980	8.33	34.32	42.36	42.09	42.38	54.00	-11.62 Average
3		5180.000	8.37	34.35	42.33	93.87	94.26	-----	----- Average

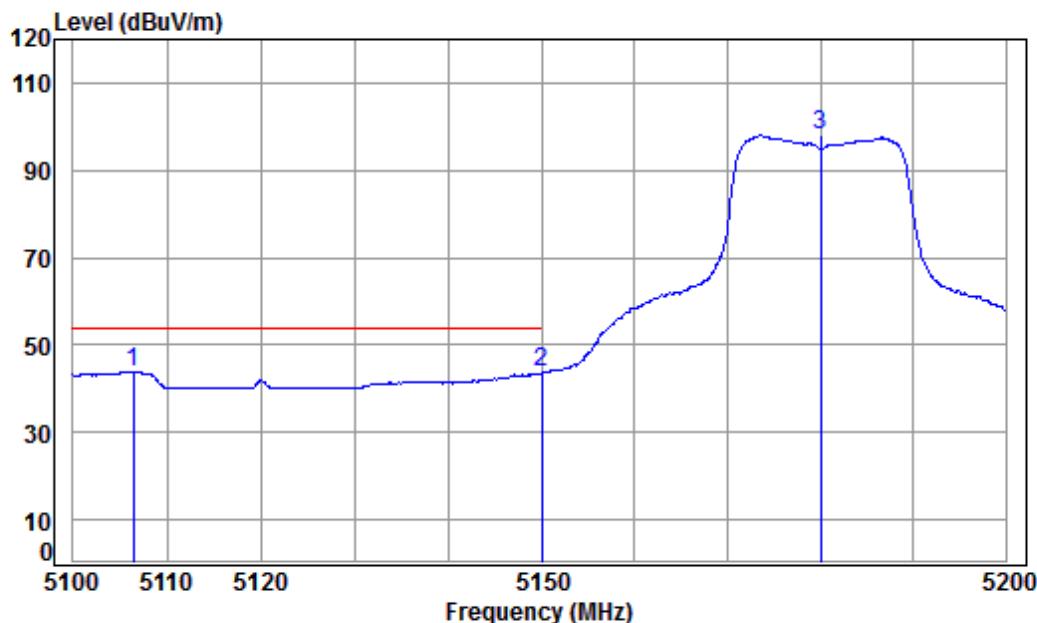
Mode:g; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL  
Job No : 02324CR  
Mode : 5180 Band edge  
Note : 5G WiFi 11AC 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.857	8.32	34.32	42.36	54.09	54.37	74.00	-19.63	Peak
2	5149.980	8.33	34.32	42.36	55.28	55.57	74.00	-18.43	Peak
3 pp	5180.000	8.37	34.35	42.33	104.47	104.86	68.20	36.66	Peak

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



Condition: 3m VERTICAL

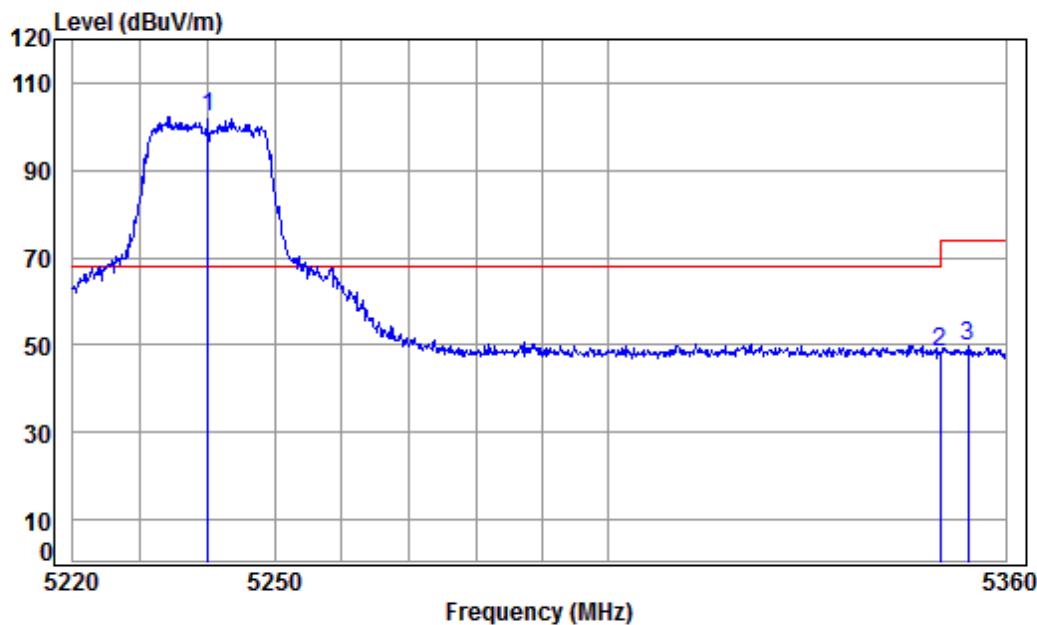
Job No : 02324CR

Mode : 5180 Band edge

Note : 5G WiFi 11AC 20

		Cable Freq	Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	5106.441	8.26	34.29	42.40	43.73	43.88	54.00	-10.12	Average
2		5149.980	8.33	34.32	42.36	43.32	43.61	54.00	-10.39	Average
3		5180.000	8.37	34.35	42.33	97.57	97.96	-----	-----	Average

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



Condition: 3m HORIZONTAL

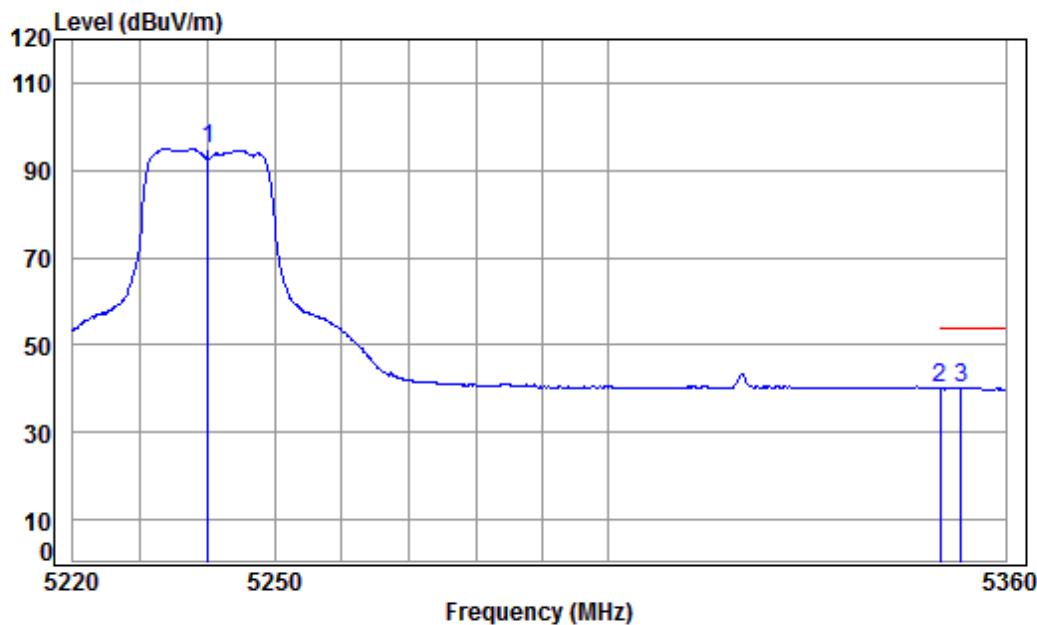
Job No : 02324CR

Mode : 5240 Band edge

Note : 5G WiFi 11AC 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5240.000	8.46	34.40	42.27	101.70	102.29	68.20	34.09 peak
2		5350.020	8.63	34.48	42.17	47.54	48.48	74.00	-25.52 peak
3		5354.329	8.64	34.49	42.16	48.54	49.51	74.00	-24.49 peak

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



Condition: 3m HORIZONTAL

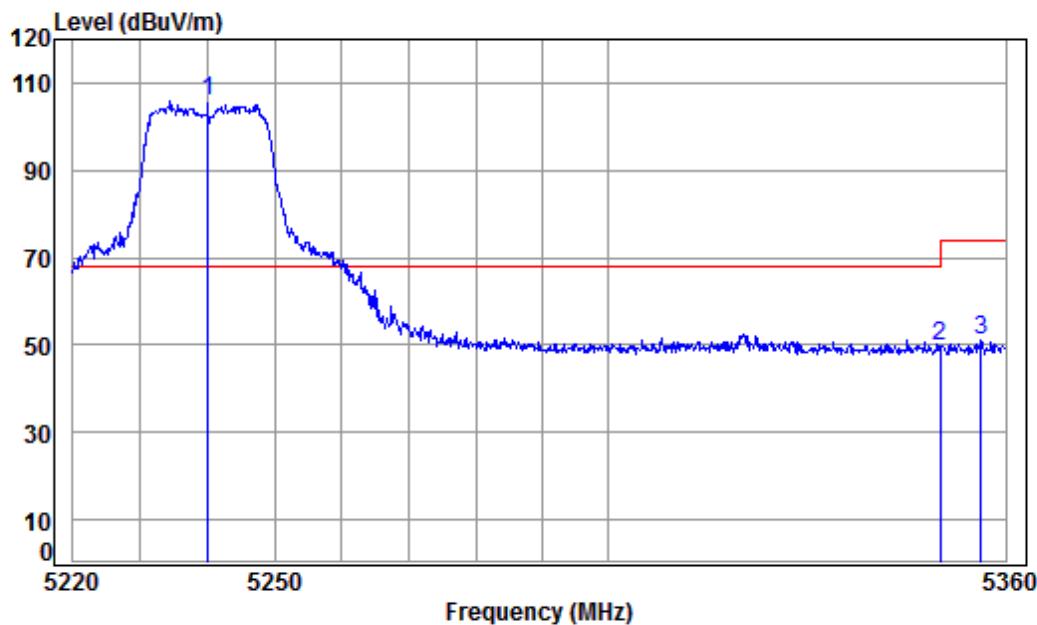
Job No : 02324CR

Mode : 5240 Band edge

Note : 5G WiFi 11AC 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5240.000	8.46	34.40	42.27	94.31	94.90	-----	-----	Average
2	5350.020	8.63	34.48	42.17	39.20	40.14	54.00	-13.86	Average
3 pp	5353.195	8.63	34.49	42.17	39.26	40.21	54.00	-13.79	Average

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



Condition: 3m VERTICAL

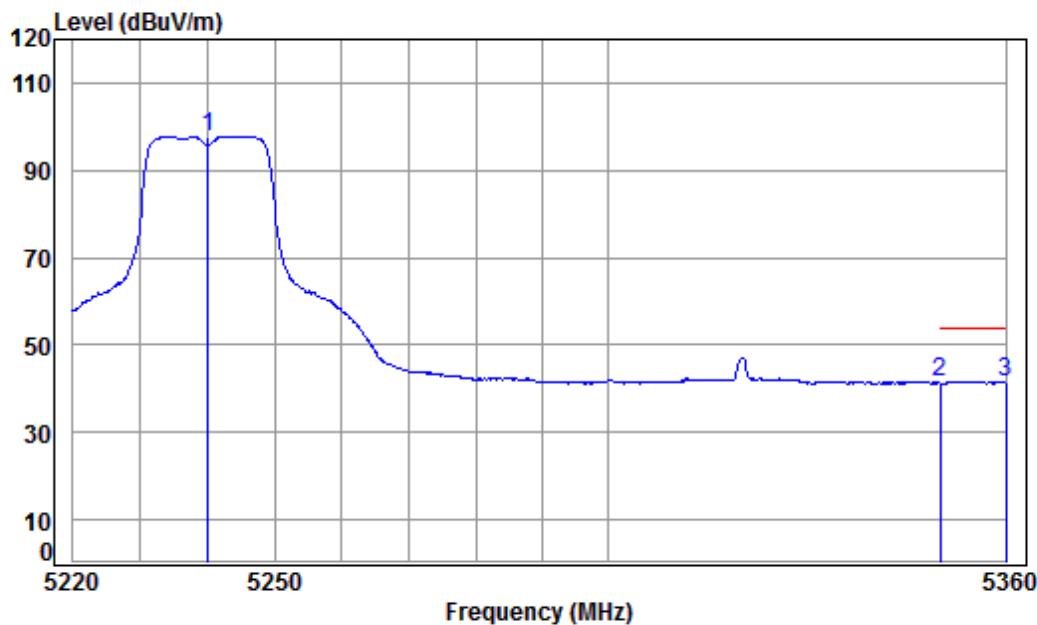
Job No : 02324CR

Mode : 5240 Band edge

Note : 5G WiFi 11AC 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5240.000	8.46	34.40	42.27	105.14	105.73	68.20	37.53 Peak
2		5350.020	8.63	34.48	42.17	48.81	49.75	74.00	-24.25 Peak
3		5356.313	8.64	34.49	42.16	49.94	50.91	74.00	-23.09 Peak

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



Condition: 3m VERTICAL

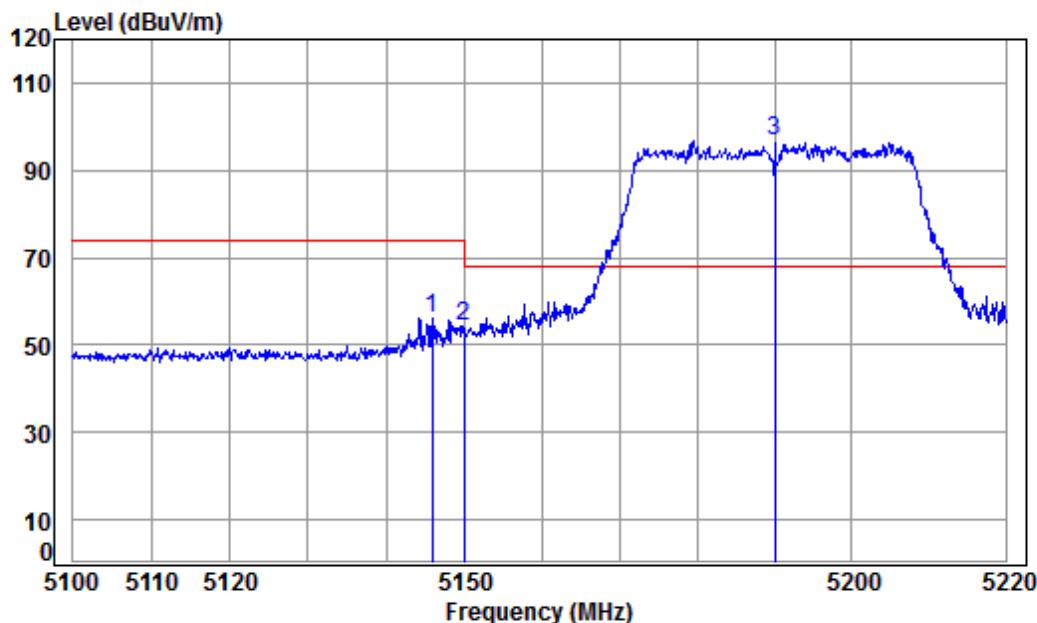
Job No : 02324CR

Mode : 5240 Band edge

Note : 5G WiFi 11AC 20

		Cable Freq	Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5240.000	8.46	34.40	42.27	97.26	97.85	-----	-----	Average	
2	5350.020	8.63	34.48	42.17	40.36	41.30	54.00	-12.70	Average	
3 pp	5360.000	8.64	34.49	42.16	40.63	41.60	54.00	-12.40	Average	

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



Condition: 3m HORIZONTAL

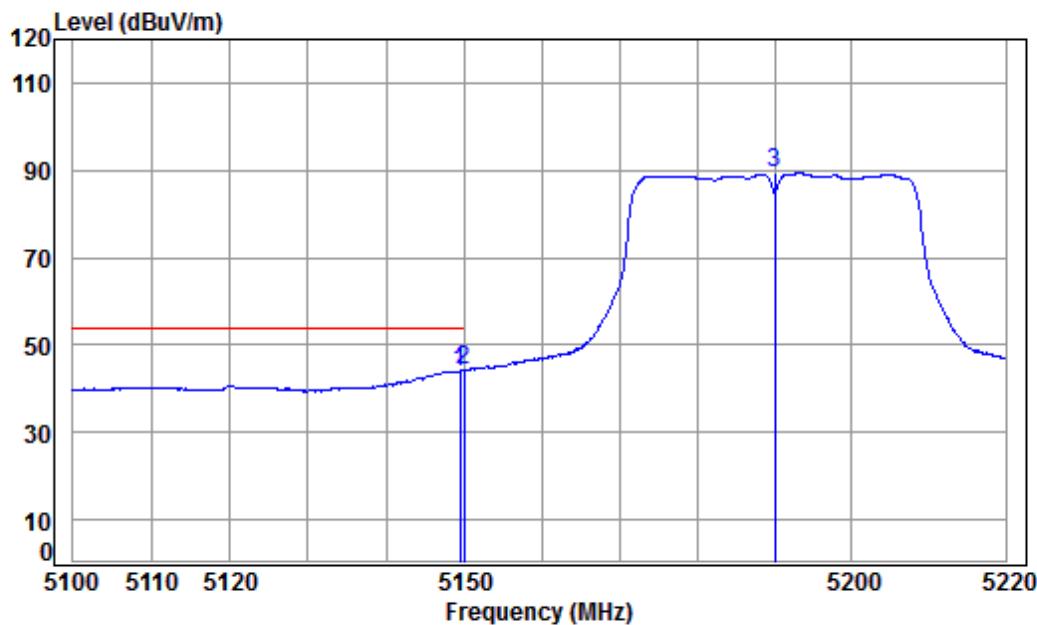
Job No : 02324CR

Mode : 5190 Band edge

Note : 5G WiFi 11AC 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1		5145.870	8.32	34.32	42.36	55.71	55.99	74.00	-18.01 peak
2		5149.980	8.33	34.32	42.36	54.01	54.30	74.00	-19.70 peak
3	pp	5190.000	8.39	34.36	42.32	96.16	96.59	68.20	28.39 peak

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



Condition: 3m HORIZONTAL

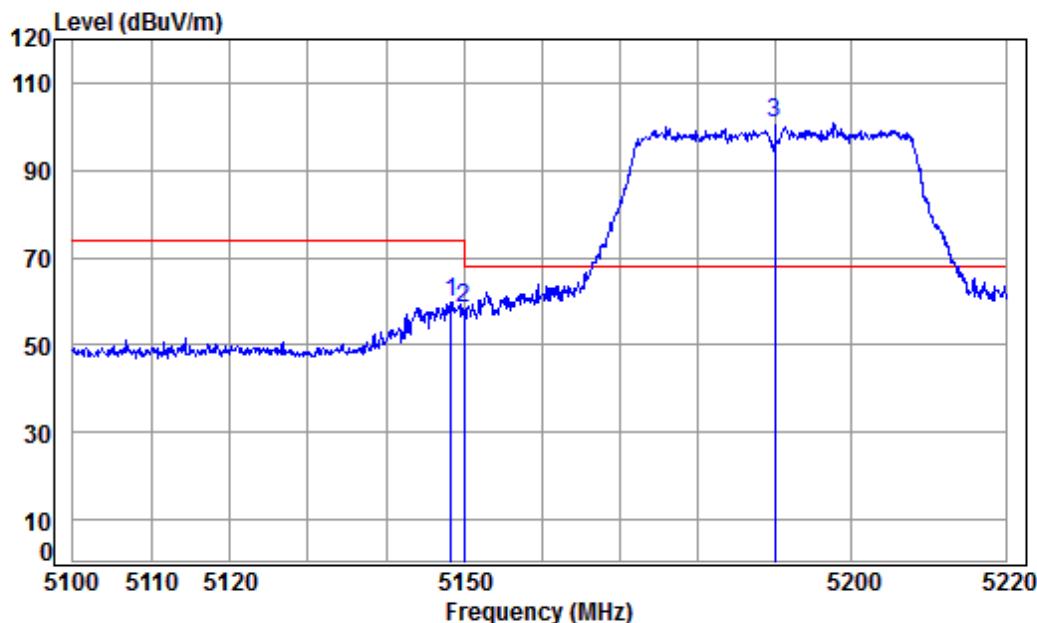
Job No : 02324CR

Mode : 5190 Band edge

Note : 5G WiFi 11AC 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1		5149.461	8.32	34.32	42.36	43.74	44.02	54.00	-9.98 Average
2 pp		5149.980	8.33	34.32	42.36	44.14	44.43	54.00	-9.57 Average
3		5190.000	8.39	34.36	42.32	88.93	89.36	-----	----- Average

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



Condition: 3m VERTICAL

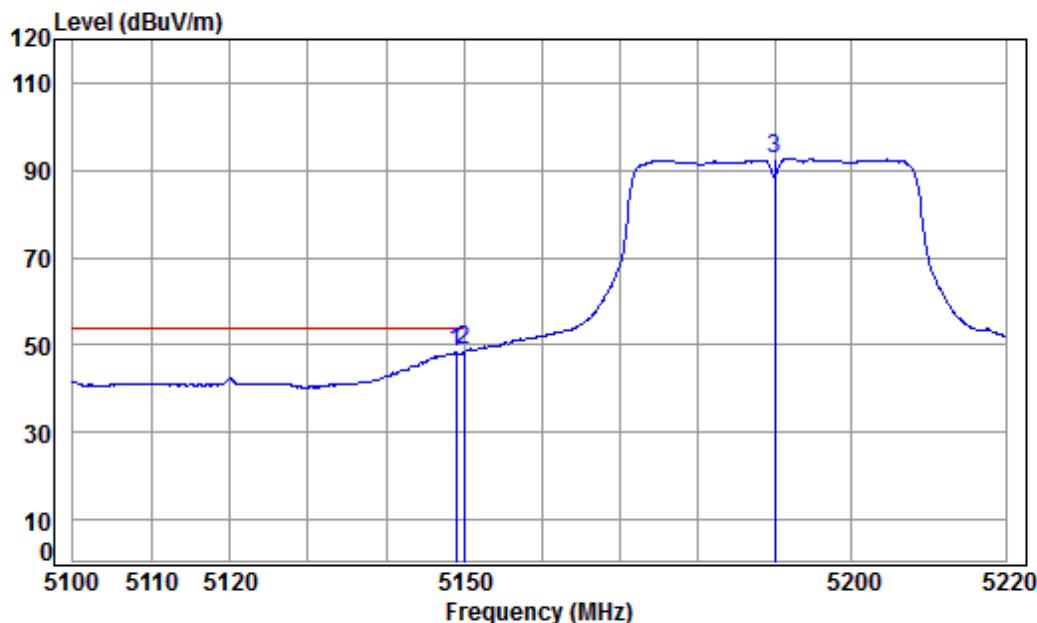
Job No : 02324CR

Mode : 5190 Band edge

Note : 5G WiFi 11AC 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.384	8.32	34.32	42.36	59.63	59.91	74.00	-14.09	Peak
2	5149.980	8.33	34.32	42.36	58.08	58.37	74.00	-15.63	Peak
3 pp	5190.000	8.39	34.36	42.32	100.32	100.75	68.20	32.55	Peak

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



Condition: 3m VERTICAL

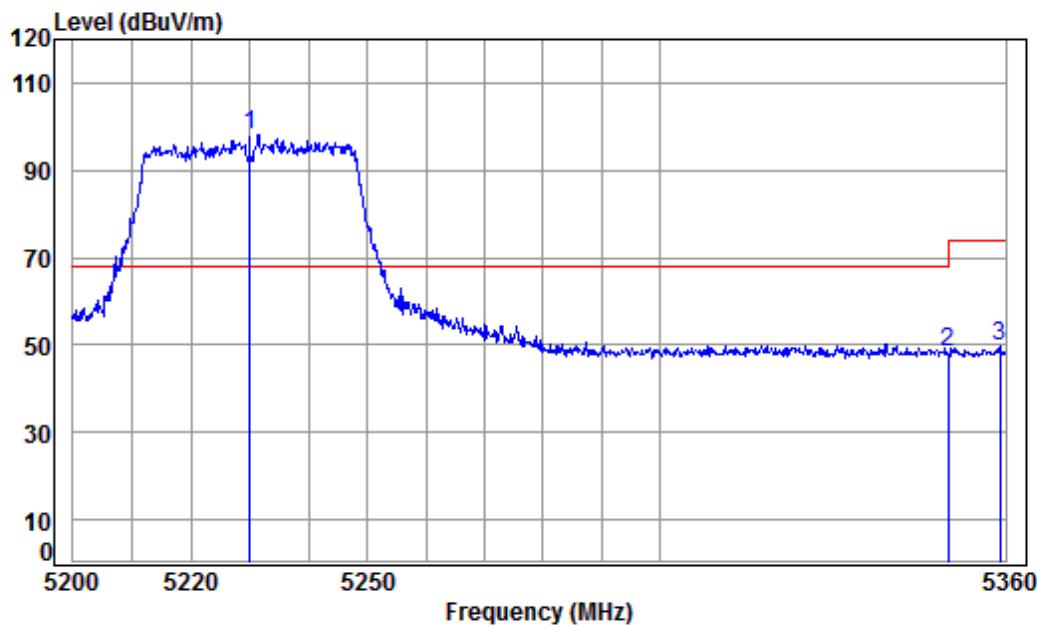
Job No : 02324CR

Mode : 5190 Band edge

Note : 5G WiFi 11AC 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.982	8.32	34.32	42.36	47.94	48.22	54.00	-5.78	Average
2 pp	5149.980	8.33	34.32	42.36	48.49	48.78	54.00	-5.22	Average
3	5190.000	8.39	34.36	42.32	92.24	92.67	-----	-----	Average

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



Condition: 3m HORIZONTAL

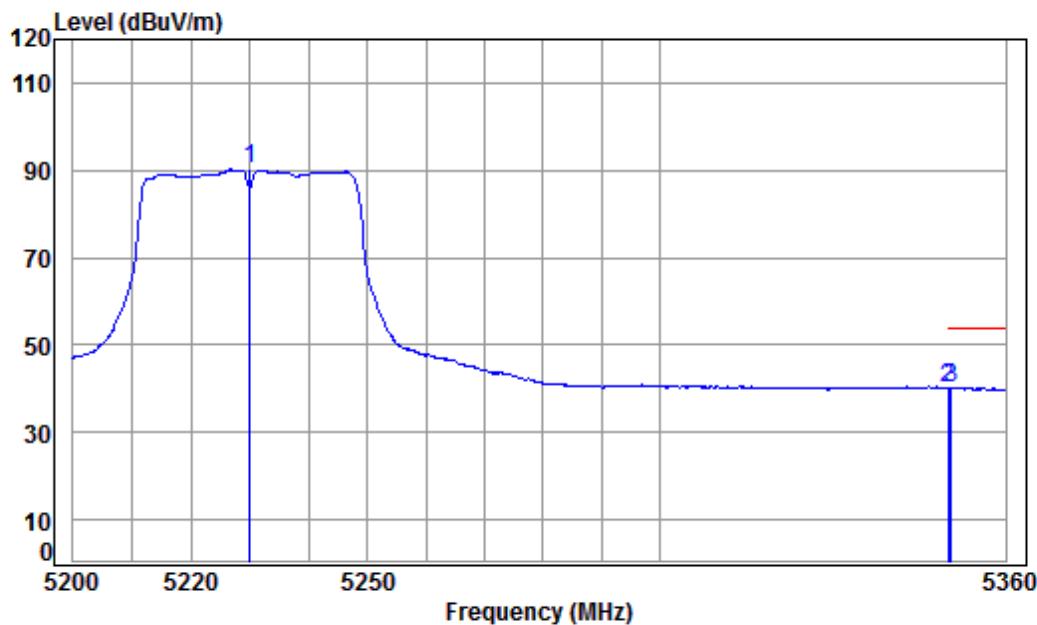
Job No : 02324CR

Mode : 5230 Band edge

Note : 5G WiFi 11AC 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5230.000	8.45	34.39	42.28	97.43	97.99	68.20	29.79 peak
2		5350.020	8.63	34.48	42.17	47.51	48.45	74.00	-25.55 peak
3		5359.025	8.64	34.49	42.16	48.69	49.66	74.00	-24.34 peak

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



Condition: 3m HORIZONTAL

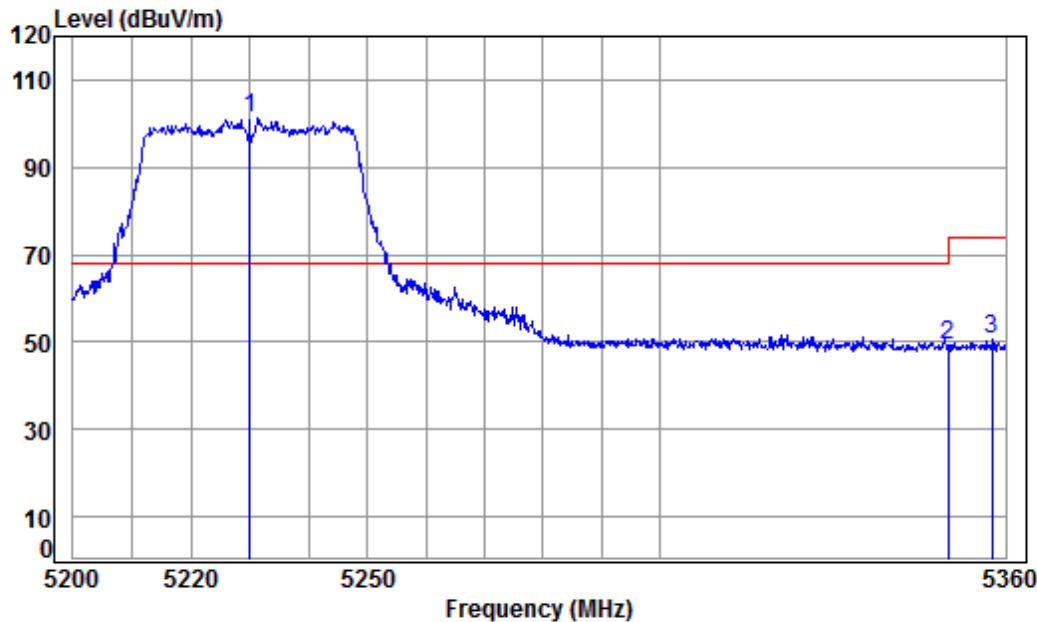
Job No : 02324CR

Mode : 5230 Band edge

Note : 5G WiFi 11AC 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5230.000	8.45	34.39	42.28	89.59	90.15	-----	-----	Average
2	5350.020	8.63	34.48	42.17	39.23	40.17	54.00	-13.83	Average
3 pp	5350.587	8.63	34.48	42.17	39.28	40.22	54.00	-13.78	Average

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



Condition: 3m VERTICAL

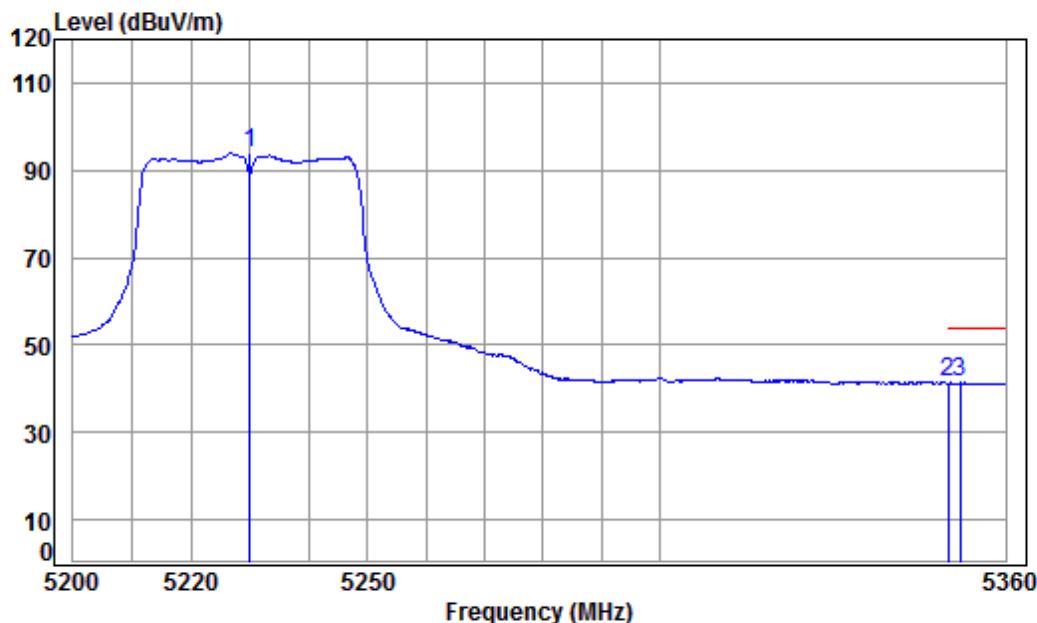
Job No : 02324CR

Mode : 5230 Band edge

Note : 5G WiFi 11AC 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5230.000	8.45	34.39	42.28	100.51	101.07	68.20	32.87 Peak
2		5350.020	8.63	34.48	42.17	48.37	49.31	74.00	-24.69 Peak
3		5357.564	8.64	34.49	42.16	49.58	50.55	74.00	-23.45 Peak

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



Condition: 3m VERTICAL

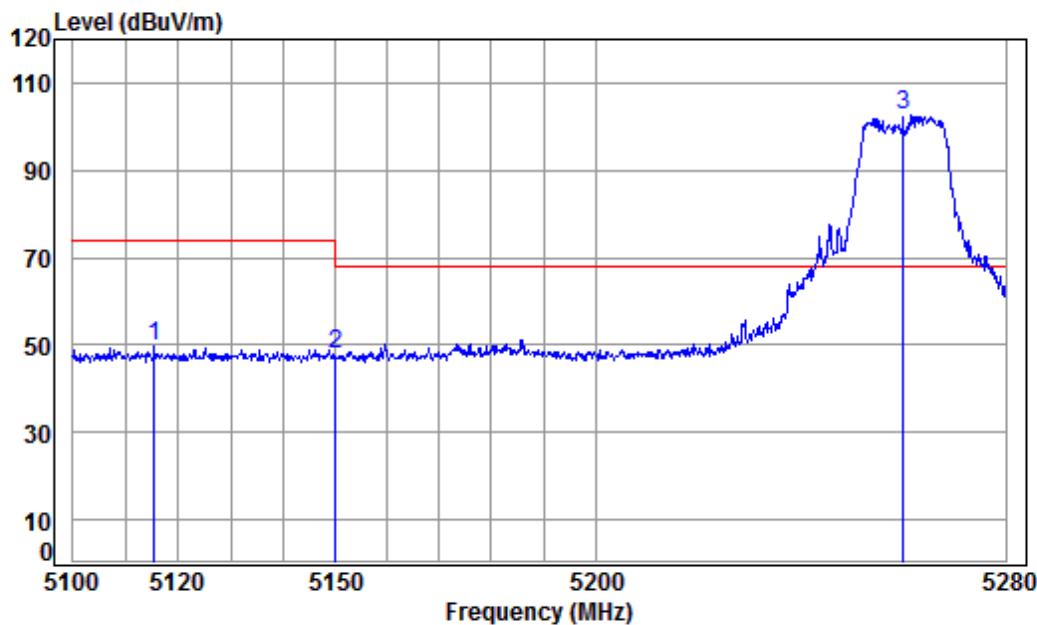
Job No : 02324CR

Mode : 5230 Band edge

Note : 5G WiFi 11AC 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5230.000	8.45	34.39	42.28	93.37	93.93	-----	-----	Average
2 pp	5350.020	8.63	34.48	42.17	40.38	41.32	54.00	-12.68	Average
3	5352.046	8.63	34.49	42.17	40.37	41.32	54.00	-12.68	Average

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



Condition: 3m HORIZONTAL

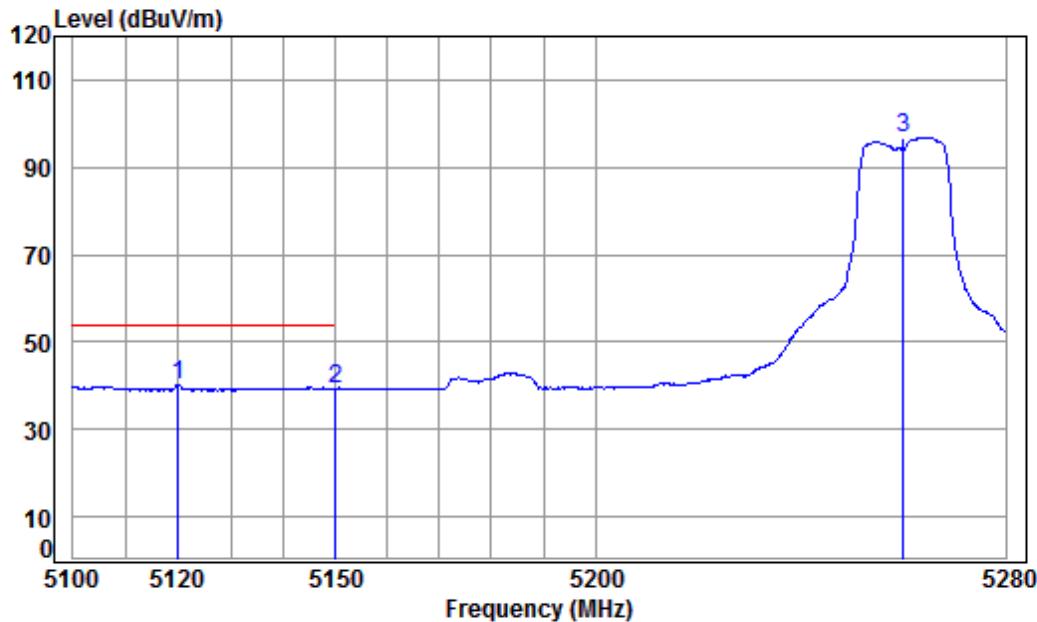
Job No : 02324CR

Mode : 5260 Band edge

Note : 5G WiFi 11A 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5115.413	8.27	34.30	42.39	49.44	49.62	74.00	-24.38	peak
2	5149.980	8.33	34.32	42.36	47.49	47.78	74.00	-26.22	peak
3 pp	5260.000	8.49	34.41	42.25	101.87	102.52	68.20	34.32	peak

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



Condition: 3m HORIZONTAL

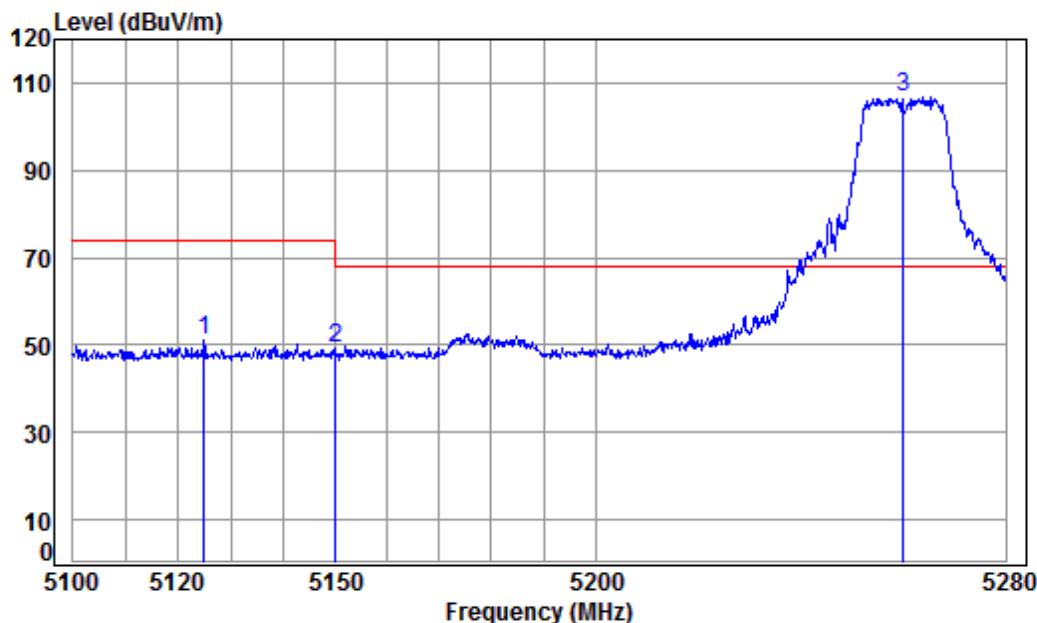
Job No : 02324CR

Mode : 5260 Band edge

Note : 5G WiFi 11A 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5120.028	8.28	34.30	42.38	39.82	40.02	54.00	-13.98 Average
2		5149.980	8.33	34.32	42.36	39.08	39.37	54.00	-14.63 Average
3		5260.000	8.49	34.41	42.25	96.21	96.86	-----	----- Average

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



Condition: 3m VERTICAL

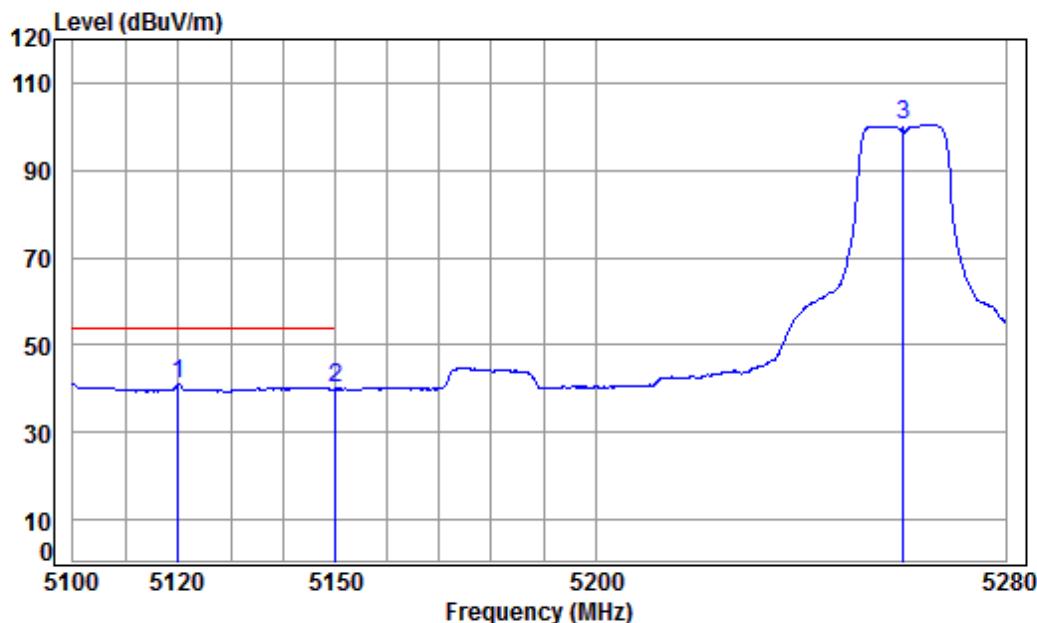
Job No : 02324CR

Mode : 5260 Band edge

Note : 5G WiFi 11A 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5125.003	8.29	34.30	42.38	50.91	51.12	74.00	-22.88	Peak
2	5149.980	8.33	34.32	42.36	49.18	49.47	74.00	-24.53	Peak
3 pp	5260.000	8.49	34.41	42.25	106.30	106.95	68.20	38.75	Peak

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



Condition: 3m VERTICAL

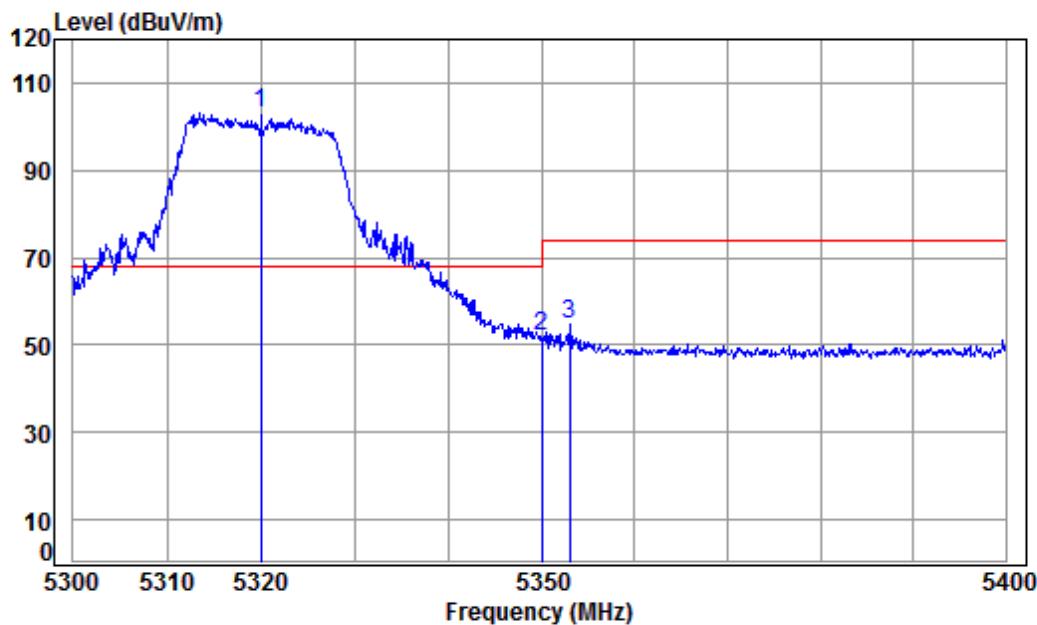
Job No : 02324CR

Mode : 5260 Band edge

Note : 5G WiFi 11A 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5120.028	8.28	34.30	42.38	41.07	41.27	54.00	-12.73 Average
2		5149.980	8.33	34.32	42.36	39.71	40.00	54.00	-14.00 Average
3		5260.000	8.49	34.41	42.25	99.91	100.56	-----	----- Average

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



Condition: 3m HORIZONTAL

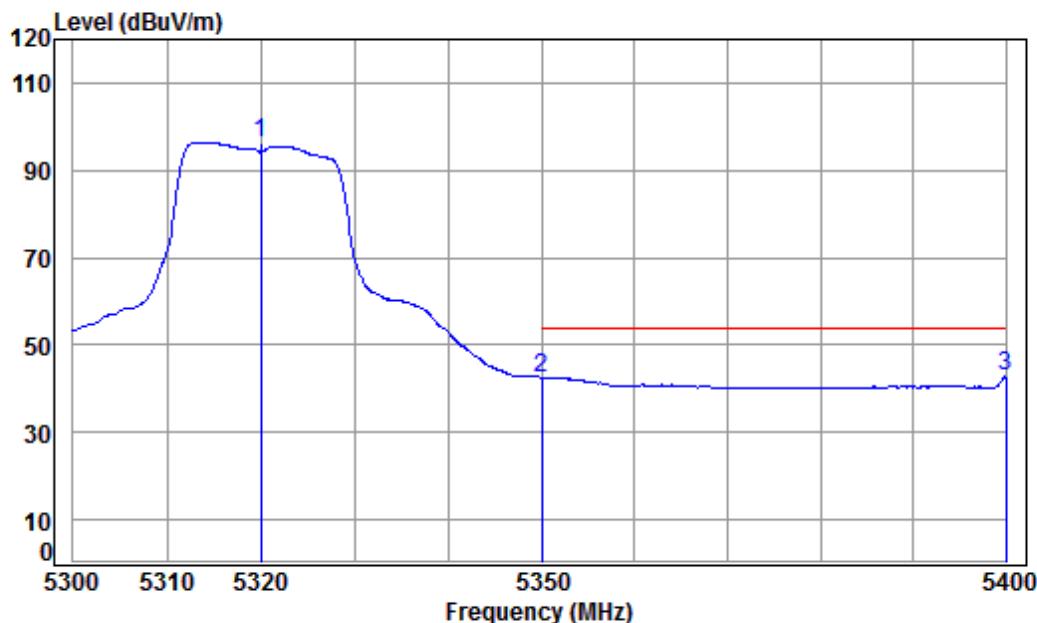
Job No : 02324CR

Mode : 5320 Band edge

Note : 5G WiFi 11A 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5320.000	8.58	34.46	42.20	102.11	102.95	68.20	34.75 peak
2		5350.020	8.63	34.48	42.17	51.06	52.00	74.00	-22.00 peak
3		5353.067	8.63	34.49	42.17	53.61	54.56	74.00	-19.44 peak

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



Condition: 3m HORIZONTAL

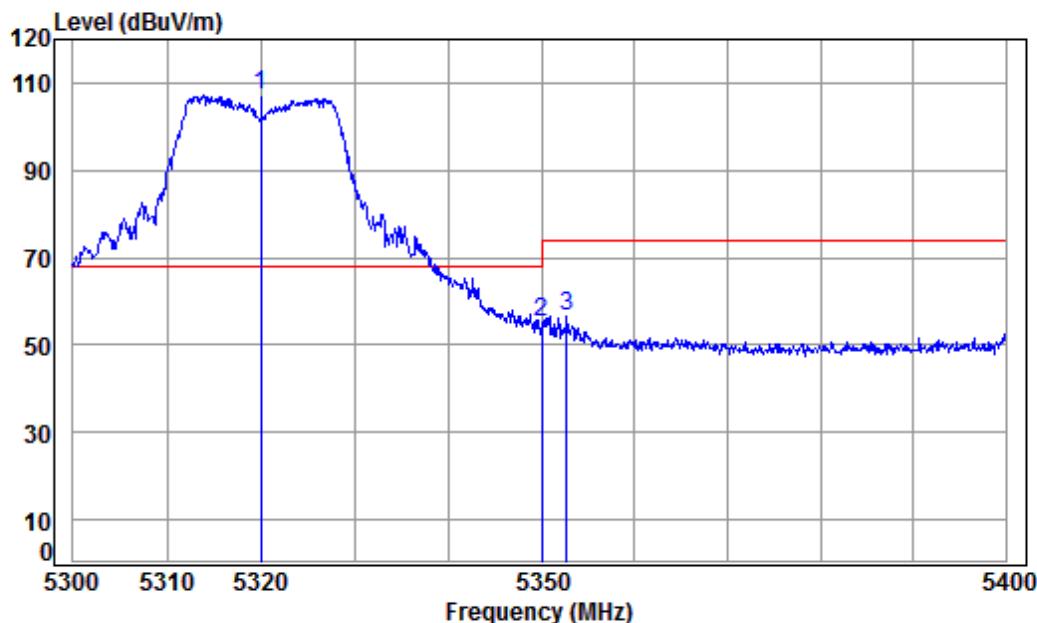
Job No : 02324CR

Mode : 5320 Band edge

Note : 5G WiFi 11A 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5320.000	8.58	34.46	42.20	95.55	96.39	-----	-----	Average
2	5350.020	8.63	34.48	42.17	41.66	42.60	54.00	-11.40	Average
3 pp	5400.000	8.70	34.52	42.12	41.67	42.77	54.00	-11.23	Average

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



Condition: 3m VERTICAL

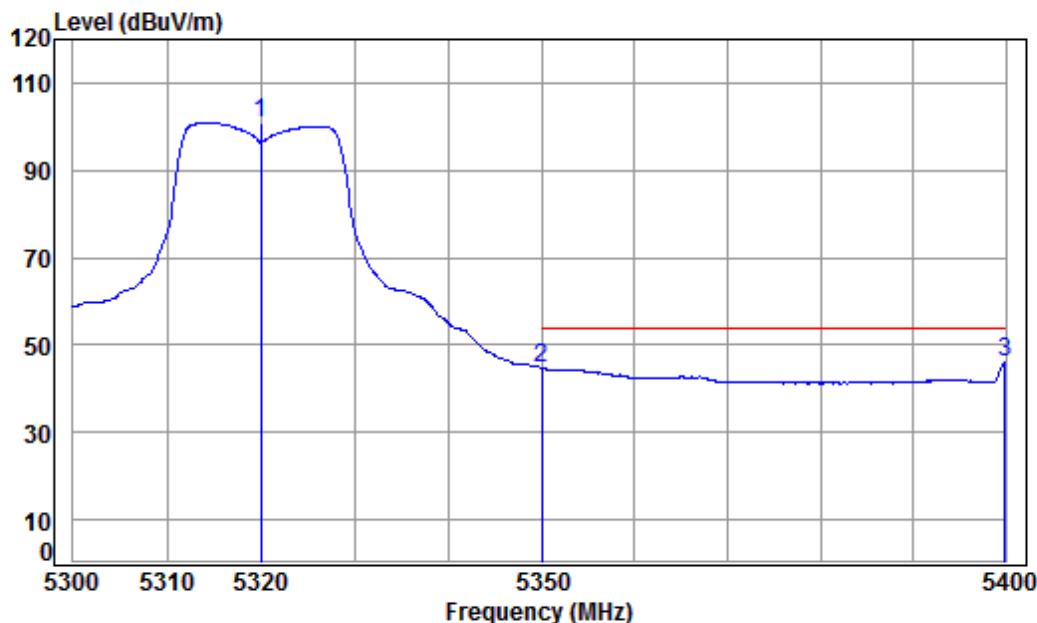
Job No : 02324CR

Mode : 5320 Band edge

Note : 5G WiFi 11A 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5320.000	8.58	34.46	42.20	106.16	107.00	68.20	38.80 Peak
2		5350.020	8.63	34.48	42.17	54.36	55.30	74.00	-18.70 Peak
3		5352.667	8.63	34.49	42.17	55.63	56.58	74.00	-17.42 Peak

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



Condition: 3m VERTICAL

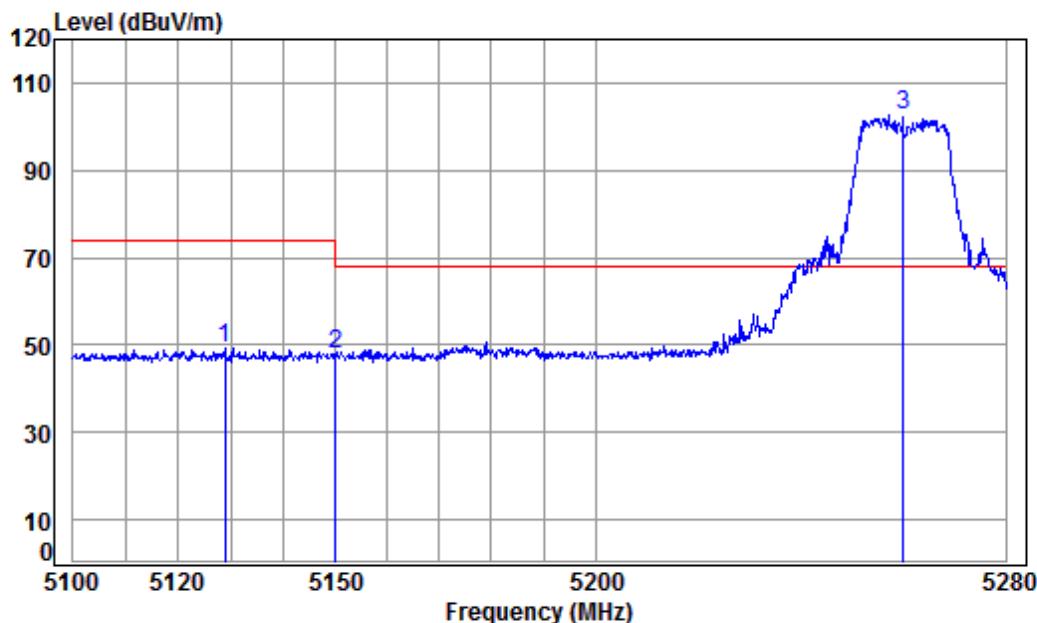
Job No : 02324CR

Mode : 5320 Band edge

Note : 5G WiFi 11A 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5320.000	8.58	34.46	42.20	100.14	100.98	-----	-----	Average
2	5350.020	8.63	34.48	42.17	43.88	44.82	54.00	-9.18	Average
3 pp	5399.899	8.70	34.52	42.12	45.16	46.26	54.00	-7.74	Average

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



Condition: 3m HORIZONTAL

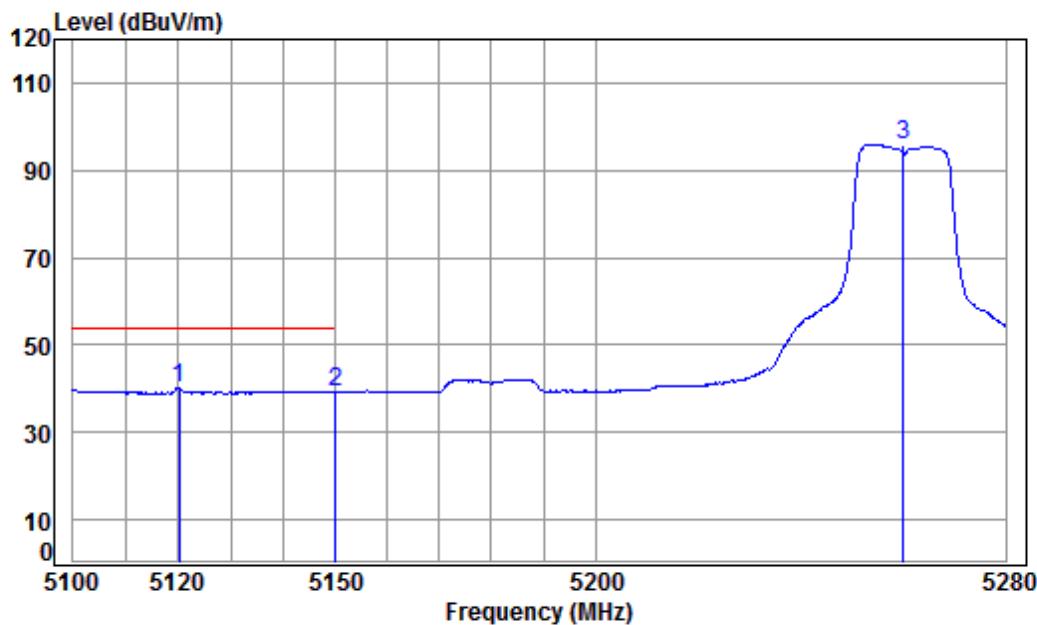
Job No : 02324CR

Mode : 5260 Band edge

Note : 5G WiFi 11N 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5128.916	8.29	34.31	42.38	49.12	49.34	74.00	-24.66	peak
2	5149.980	8.33	34.32	42.36	47.48	47.77	74.00	-26.23	peak
3 pp	5260.000	8.49	34.41	42.25	101.83	102.48	68.20	34.28	peak

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



Condition: 3m HORIZONTAL

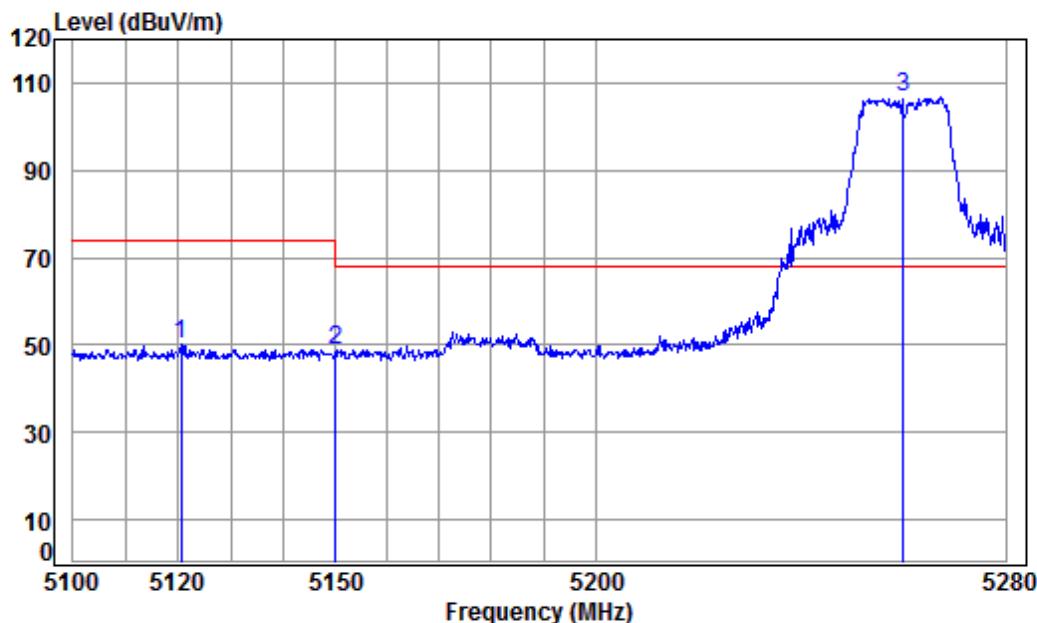
Job No : 02324CR

Mode : 5260 Band edge

Note : 5G WiFi 11N 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5120.206	8.28	34.30	42.38	39.83	40.03	54.00	-13.97 Average
2		5149.980	8.33	34.32	42.36	39.09	39.38	54.00	-14.62 Average
3		5260.000	8.49	34.41	42.25	95.24	95.89	-----	----- Average

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



Condition: 3m VERTICAL

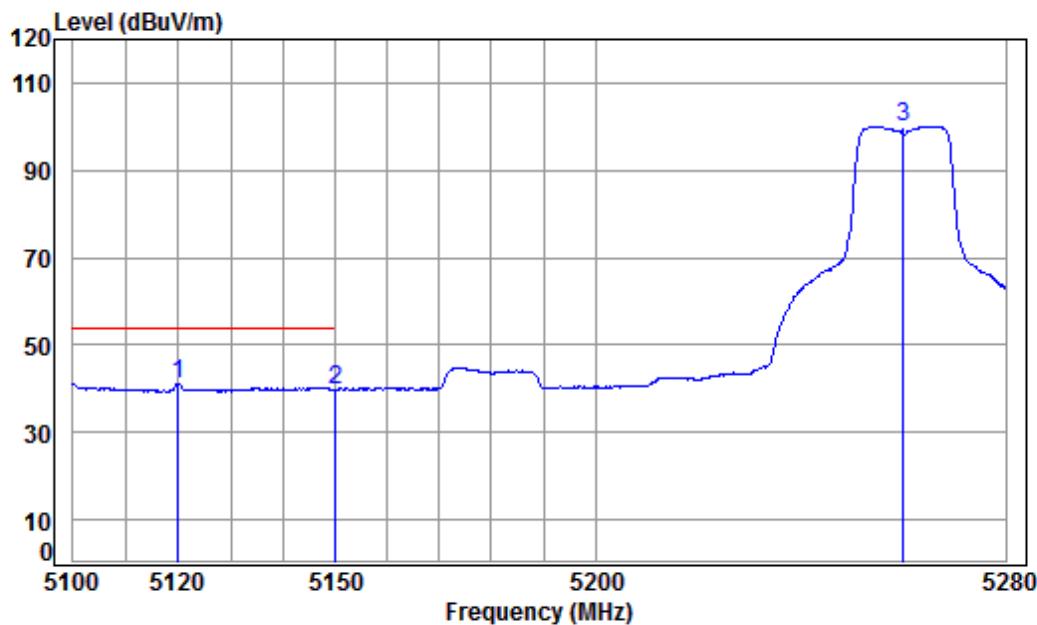
Job No : 02324CR

Mode : 5260 Band edge

Note : 5G WiFi 11N 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5120.562	8.28	34.30	42.38	50.01	50.21	74.00	-23.79	Peak
2	5149.980	8.33	34.32	42.36	48.45	48.74	74.00	-25.26	Peak
3 pp	5260.000	8.49	34.41	42.25	106.00	106.65	68.20	38.45	Peak

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



Condition: 3m VERTICAL

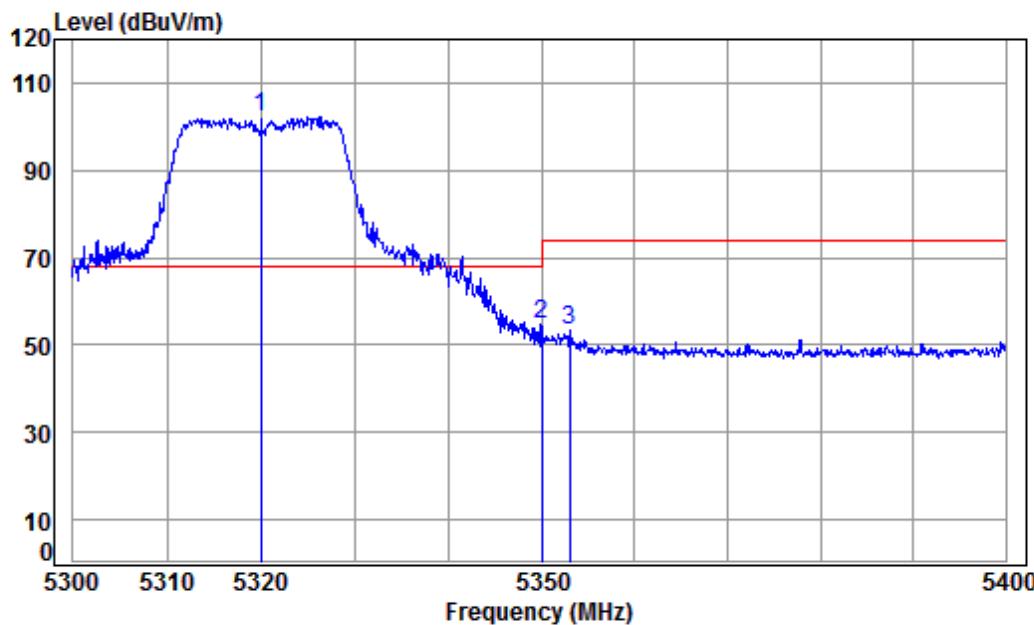
Job No : 02324CR

Mode : 5260 Band edge

Note : 5G WiFi 11N 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5120.028	8.28	34.30	42.38	40.98	41.18	54.00	-12.82 Average
2		5149.980	8.33	34.32	42.36	39.55	39.84	54.00	-14.16 Average
3		5260.000	8.49	34.41	42.25	99.46	100.11	-----	----- Average

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



Condition: 3m HORIZONTAL

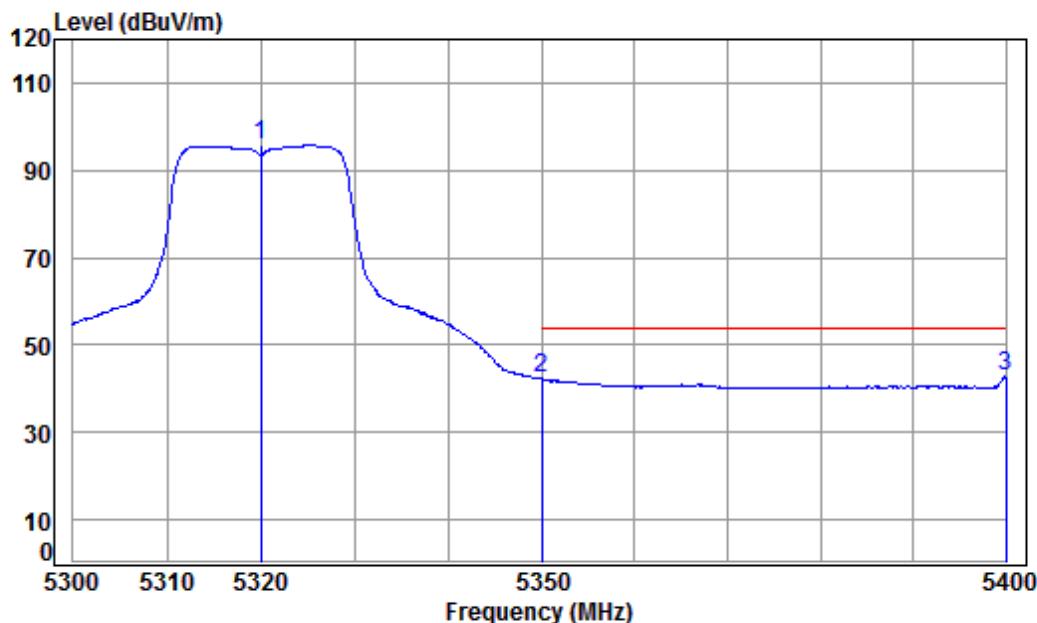
Job No : 02324CR

Mode : 5320 Band edge

Note : 5G WiFi 11N 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5320.000	8.58	34.46	42.20	101.48	102.32	68.20	34.12 peak
2		5350.020	8.63	34.48	42.17	53.99	54.93	74.00	-19.07 peak
3		5353.067	8.63	34.49	42.17	52.48	53.43	74.00	-20.57 peak

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



Condition: 3m HORIZONTAL

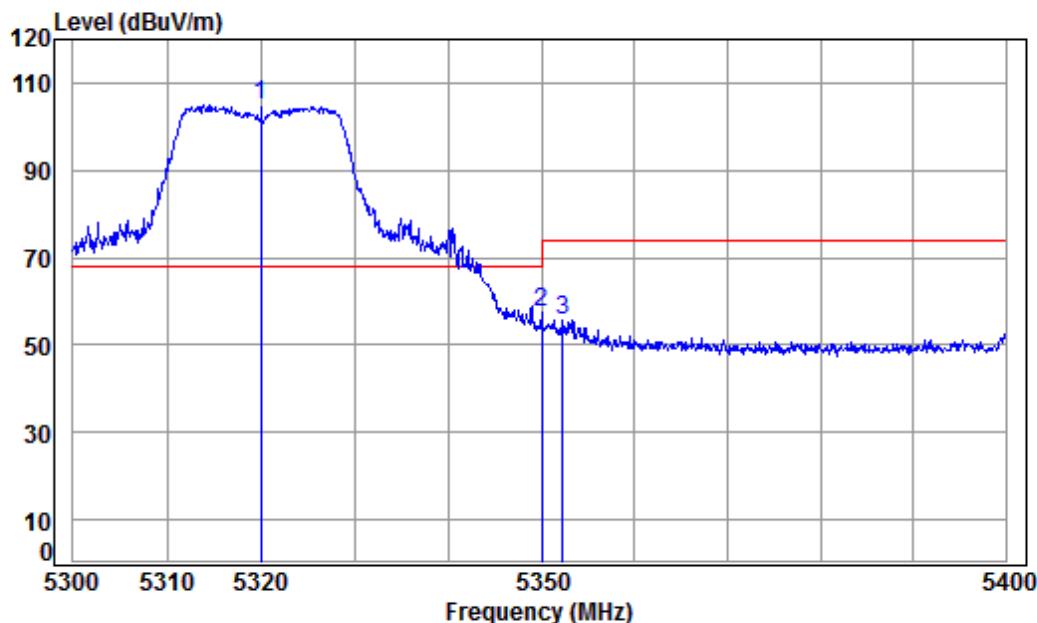
Job No : 02324CR

Mode : 5320 Band edge

Note : 5G WiFi 11N 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5320.000	8.58	34.46	42.20	94.82	95.66	-----	-----	Average
2	5350.020	8.63	34.48	42.17	41.41	42.35	54.00	-11.65	Average
3 pp	5400.000	8.70	34.52	42.12	41.76	42.86	54.00	-11.14	Average

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



Condition: 3m VERTICAL

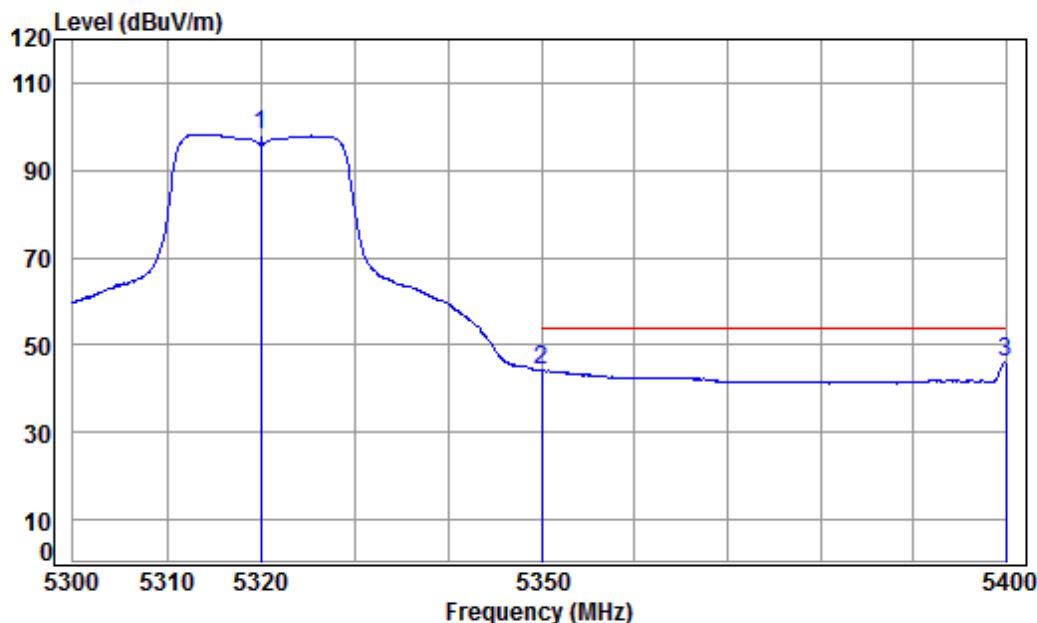
Job No : 02324CR

Mode : 5320 Band edge

Note : 5G WiFi 11N 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5320.000	8.58	34.46	42.20	104.09	104.93	68.20	36.73 Peak
2		5350.020	8.63	34.48	42.17	56.64	57.58	74.00	-16.42 Peak
3		5352.267	8.63	34.49	42.17	54.75	55.70	74.00	-18.30 Peak

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



Condition: 3m VERTICAL

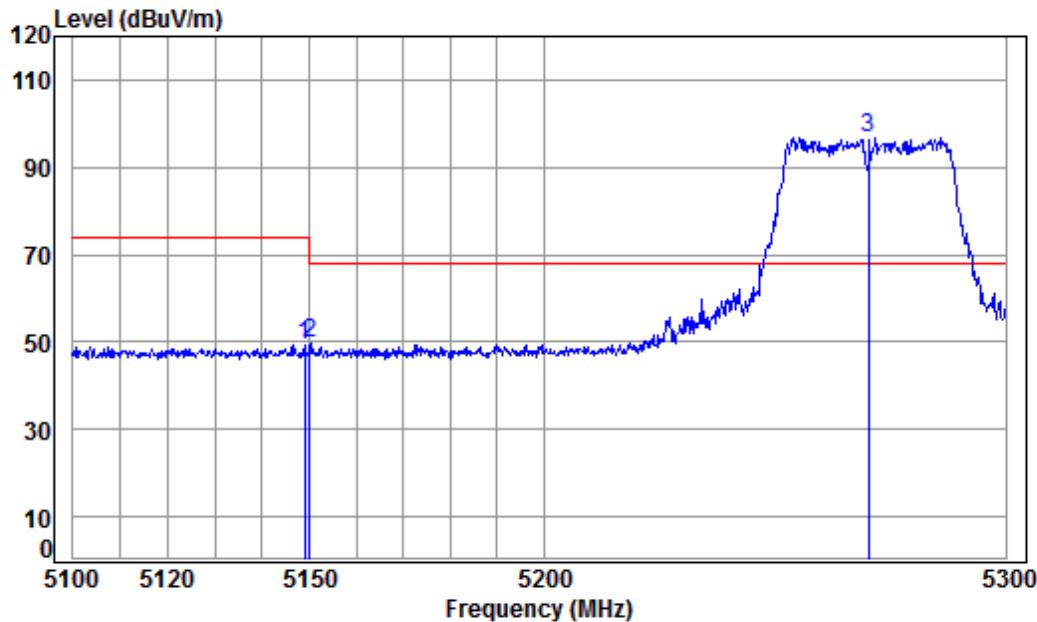
Job No : 02324CR

Mode : 5320 Band edge

Note : 5G WiFi 11N 20

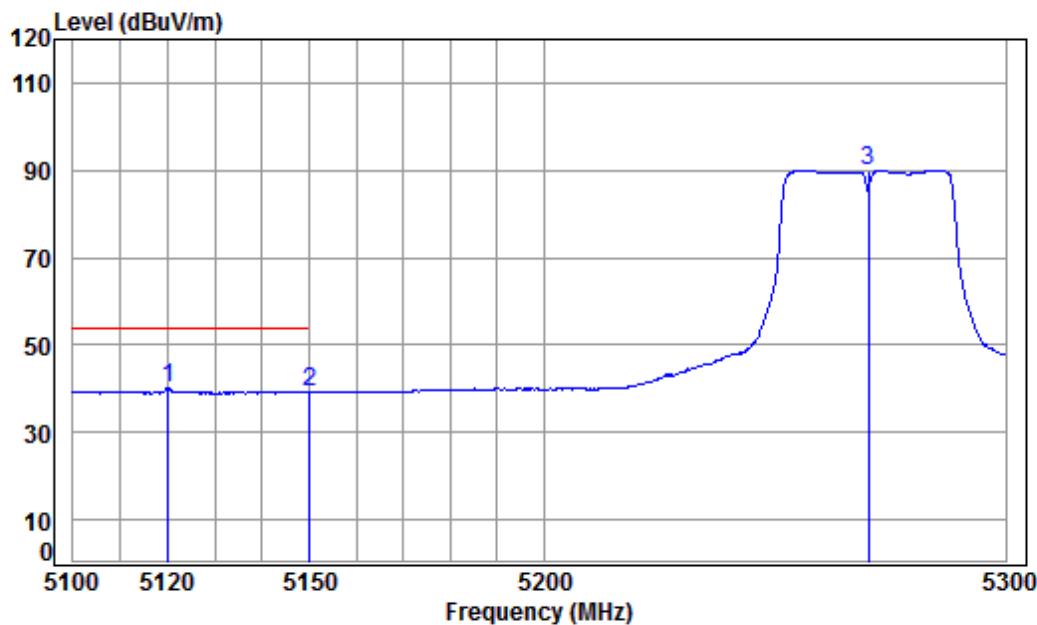
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5320.000	8.58	34.46	42.20	97.41	98.25	-----	-----	Average
2	5350.020	8.63	34.48	42.17	43.28	44.22	54.00	-9.78	Average
3 pp	5400.000	8.70	34.52	42.12	45.12	46.22	54.00	-7.78	Average

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



	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.083	8.32	34.32	42.36	49.03	49.31	74.00	-24.69	peak
2	5149.980	8.33	34.32	42.36	49.26	49.55	74.00	-24.45	peak
3 pp	5270.000	8.51	34.42	42.24	96.01	96.70	68.20	28.50	peak

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



Condition: 3m HORIZONTAL

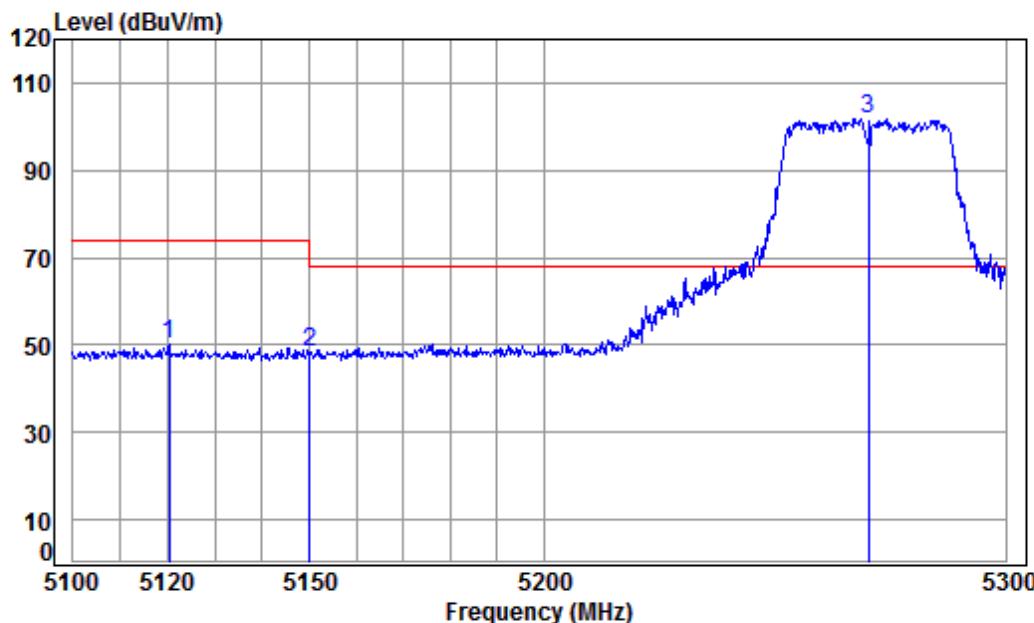
Job No : 02324CR

Mode : 5270 Band edge

Note : 5G WiFi 11N 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5120.049	8.28	34.30	42.38	39.97	40.17	54.00	-13.83 Average
2		5149.980	8.33	34.32	42.36	39.14	39.43	54.00	-14.57 Average
3		5270.000	8.51	34.42	42.24	89.27	89.96	-----	----- Average

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



Condition: 3m VERTICAL

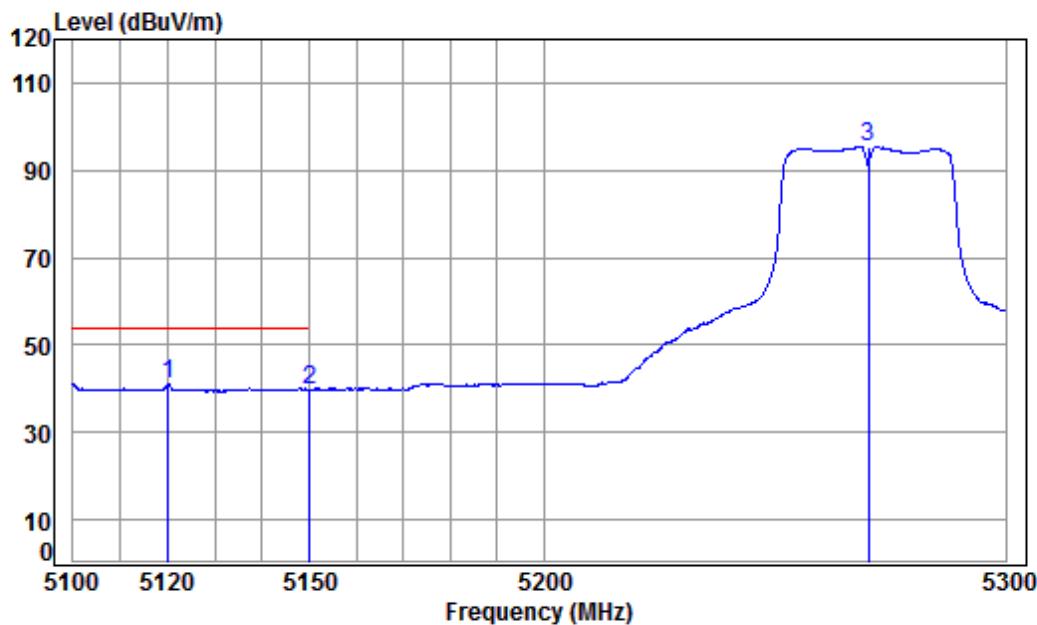
Job No : 02324CR

Mode : 5270 Band edge

Note : 5G WiFi 11N 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5120.247	8.28	34.30	42.38	49.83	50.03	74.00	-23.97	Peak
2	5149.980	8.33	34.32	42.36	47.99	48.28	74.00	-25.72	Peak
3 pp	5270.000	8.51	34.42	42.24	101.05	101.74	68.20	33.54	Peak

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



Condition: 3m VERTICAL

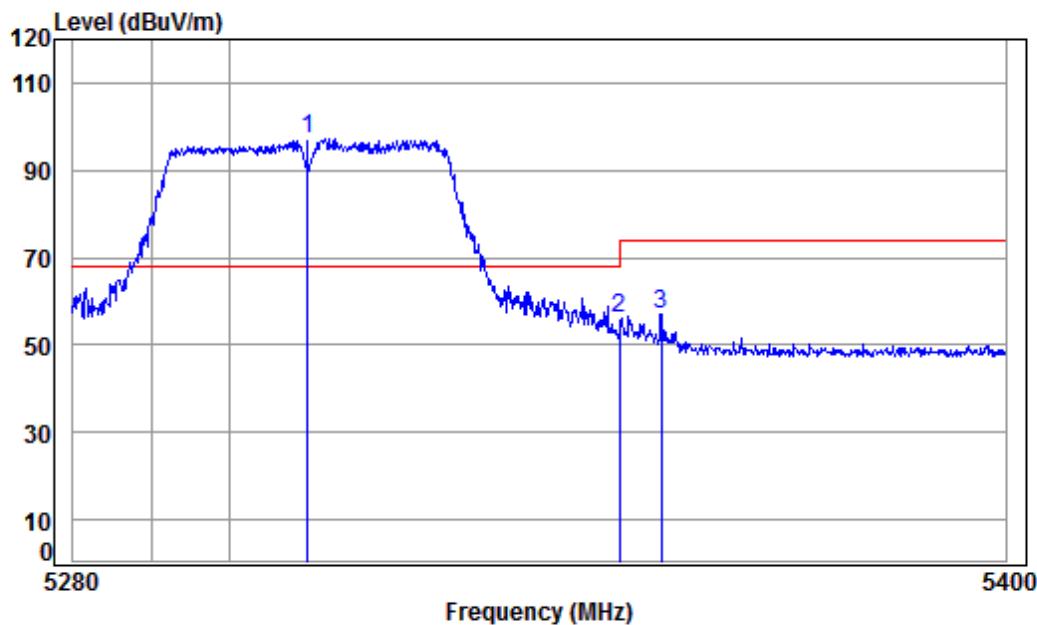
Job No : 02324CR

Mode : 5270 Band edge

Note : 5G WiFi 11N 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Remark
1	pp	5120.049	8.28	34.30	42.38	40.76	40.96	54.00	-13.04	Average
2		5149.980	8.33	34.32	42.36	39.57	39.86	54.00	-14.14	Average
3		5270.000	8.51	34.42	42.24	94.55	95.24	-----	-----	Average

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



Condition: 3m HORIZONTAL

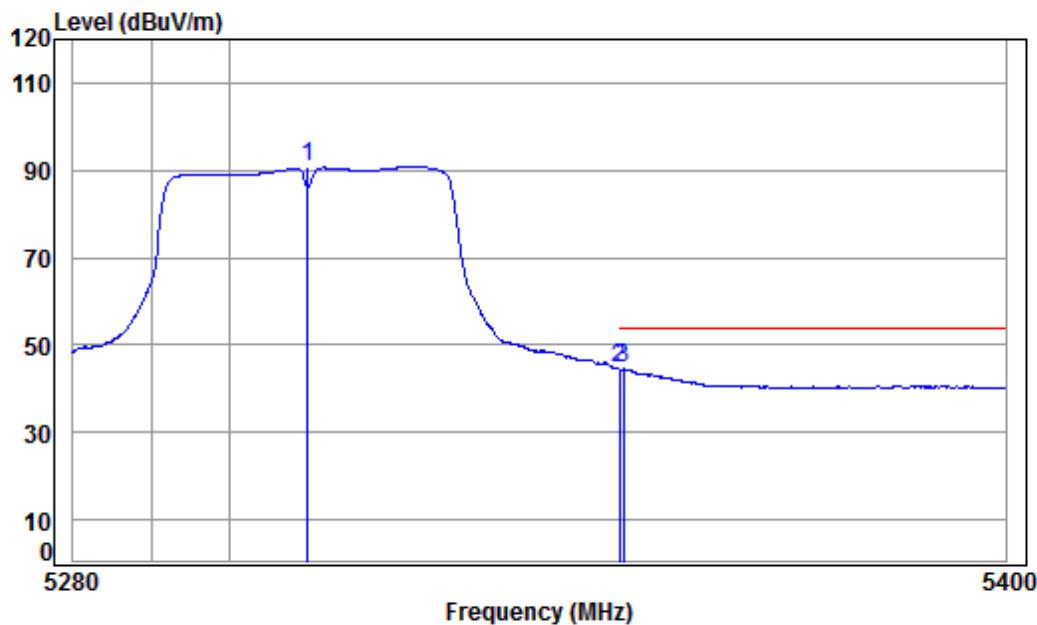
Job No : 02324CR

Mode : 5310 Band edge

Note : 5G WiFi 11N 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5310.000	8.57	34.45	42.21	96.50	97.31	68.20	29.11 peak
2		5350.020	8.63	34.48	42.17	55.08	56.02	74.00	-17.98 peak
3		5355.406	8.64	34.49	42.16	55.99	56.96	74.00	-17.04 peak

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



Condition: 3m HORIZONTAL

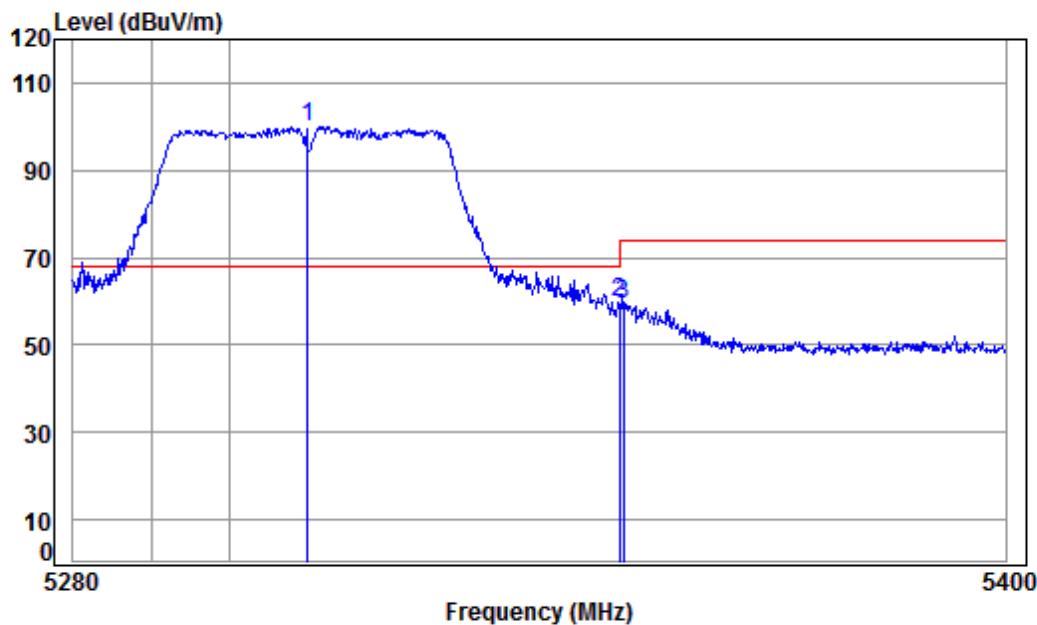
Job No : 02324CR

Mode : 5310 Band edge

Note : 5G WiFi 11N 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5310.000	8.57	34.45	42.21	89.99	90.80	-----	-----	Average
2 pp	5350.020	8.63	34.48	42.17	43.84	44.78	54.00	-9.22	Average
3	5350.474	8.63	34.48	42.17	43.55	44.49	54.00	-9.51	Average

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



Condition: 3m VERTICAL

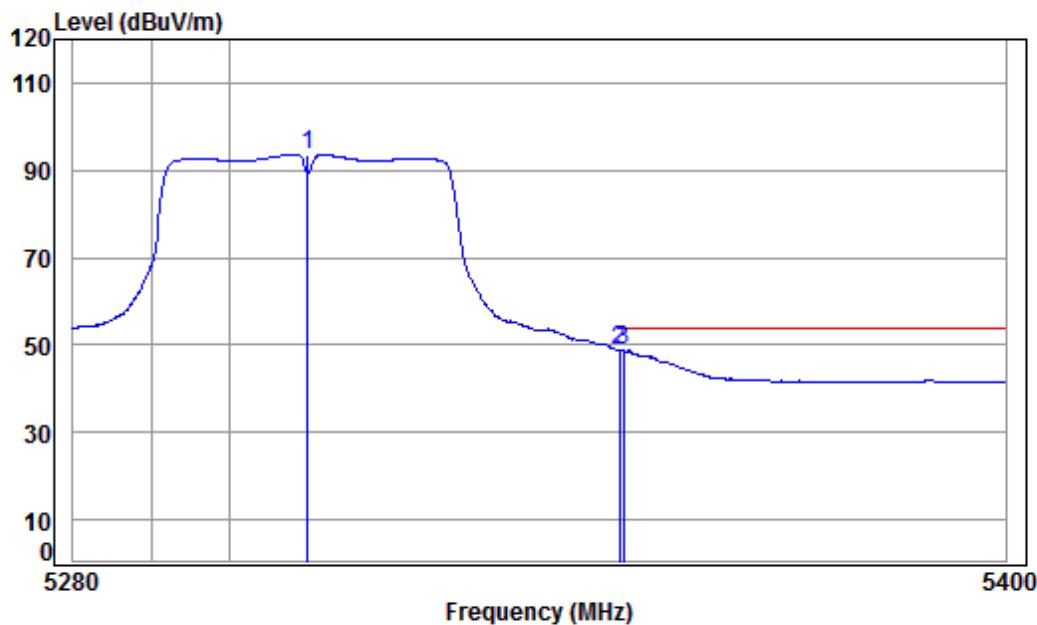
Job No : 02324CR

Mode : 5310 Band edge

Note : 5G WiFi 11N 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5310.000	8.57	34.45	42.21	99.28	100.09	68.20	31.89 Peak
2		5350.020	8.63	34.48	42.17	58.80	59.74	74.00	-14.26 Peak
3		5350.474	8.63	34.48	42.17	58.33	59.27	74.00	-14.73 Peak

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



Condition: 3m VERTICAL

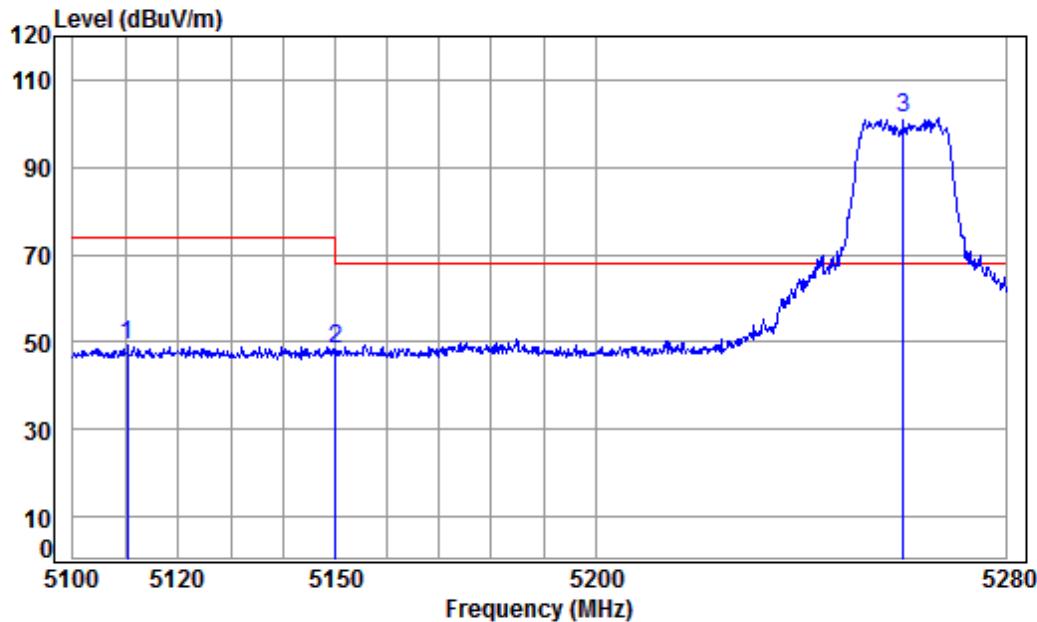
Job No : 02324CR

Mode : 5310 Band edge

Note : 5G WiFi 11N 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5310.000	8.57	34.45	42.21	92.86	93.67	-----	-----	Average
2 pp	5350.020	8.63	34.48	42.17	47.96	48.90	54.00	-5.10	Average
3	5350.474	8.63	34.48	42.17	47.69	48.63	54.00	-5.37	Average

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



Condition: 3m HORIZONTAL

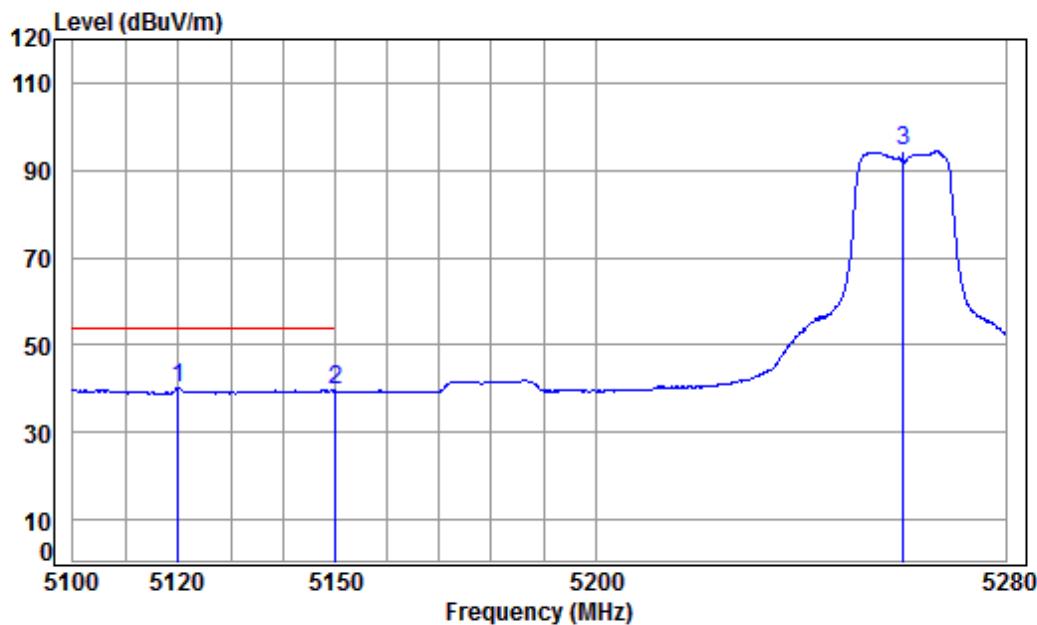
Job No : 02324CR

Mode : 5260 Band edge

Note : 5G WiFi 11AC 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5110.448	8.26	34.29	42.39	49.17	49.33	74.00	-24.67	peak
2	5149.980	8.33	34.32	42.36	47.95	48.24	74.00	-25.76	peak
3 pp	5260.000	8.49	34.41	42.25	100.61	101.26	68.20	33.06	peak

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



Condition: 3m HORIZONTAL

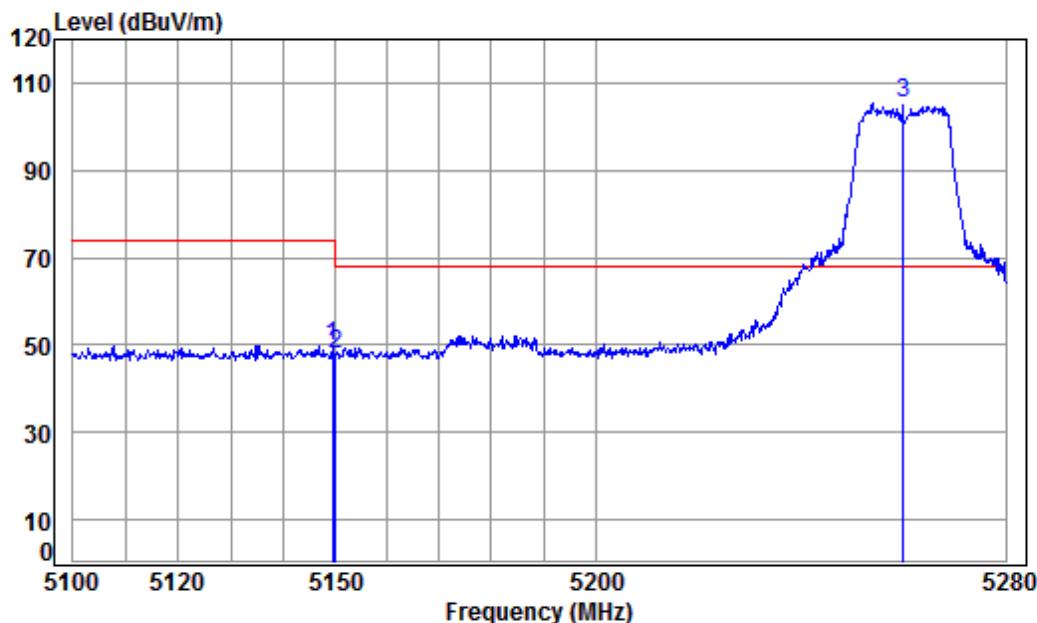
Job No : 02324CR

Mode : 5260 Band edge

Note : 5G WiFi 11AC 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5120.028	8.28	34.30	42.38	40.08	40.28	54.00	-13.72 Average
2		5149.980	8.33	34.32	42.36	39.19	39.48	54.00	-14.52 Average
3		5260.000	8.49	34.41	42.25	93.85	94.50	-----	----- Average

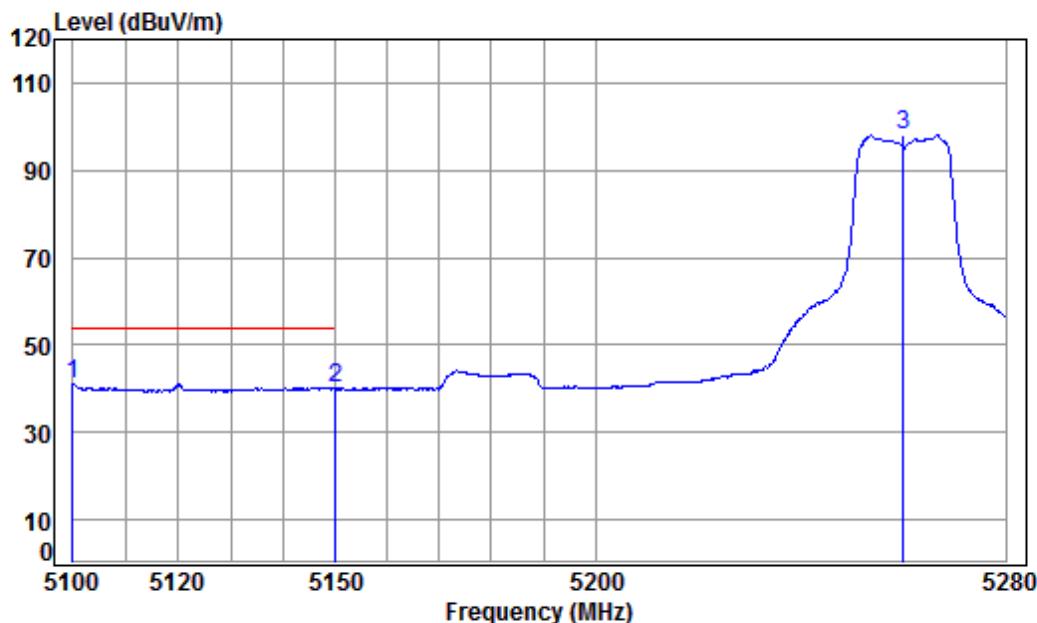
Mode:h; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL  
Job No : 02324CR  
Mode : 5260 Band edge  
Note : 5G WiFi 11AC 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.415	8.32	34.32	42.36	49.61	49.89	74.00	-24.11	Peak
2	5149.980	8.33	34.32	42.36	47.82	48.11	74.00	-25.89	Peak
3 pp	5260.000	8.49	34.41	42.25	104.58	105.23	68.20	37.03	Peak

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



Condition: 3m VERTICAL

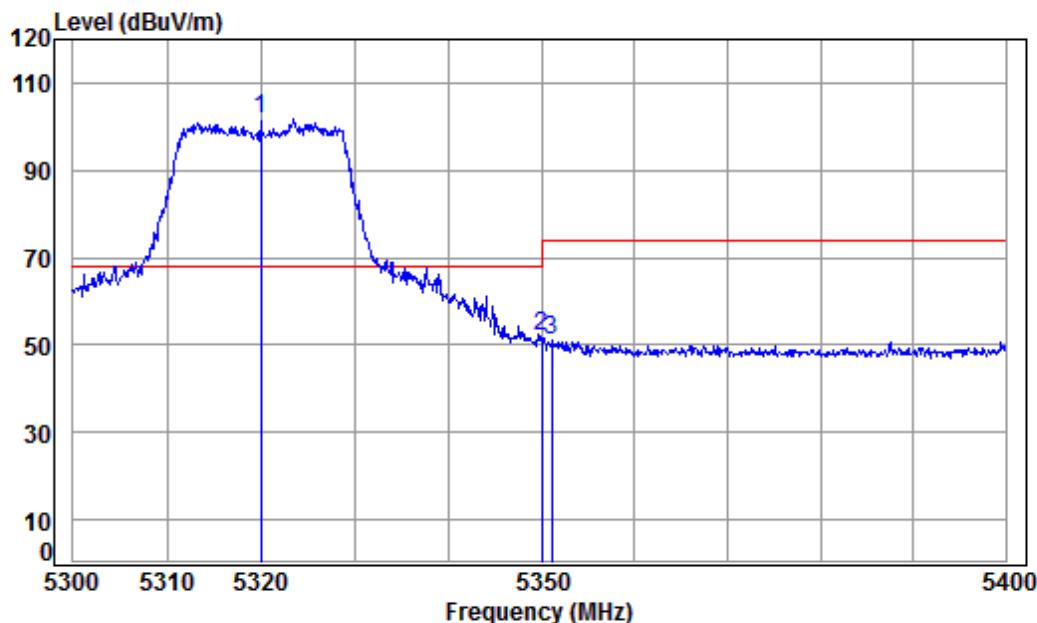
Job No : 02324CR

Mode : 5260 Band edge

Note : 5G WiFi 11AC 20

		Cable Freq	Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	5100.000	8.25	34.28	42.40	41.02	41.15	54.00	-12.85	Average
2		5149.980	8.33	34.32	42.36	39.73	40.02	54.00	-13.98	Average
3		5260.000	8.49	34.41	42.25	97.32	97.97	-----	-----	Average

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



Condition: 3m HORIZONTAL

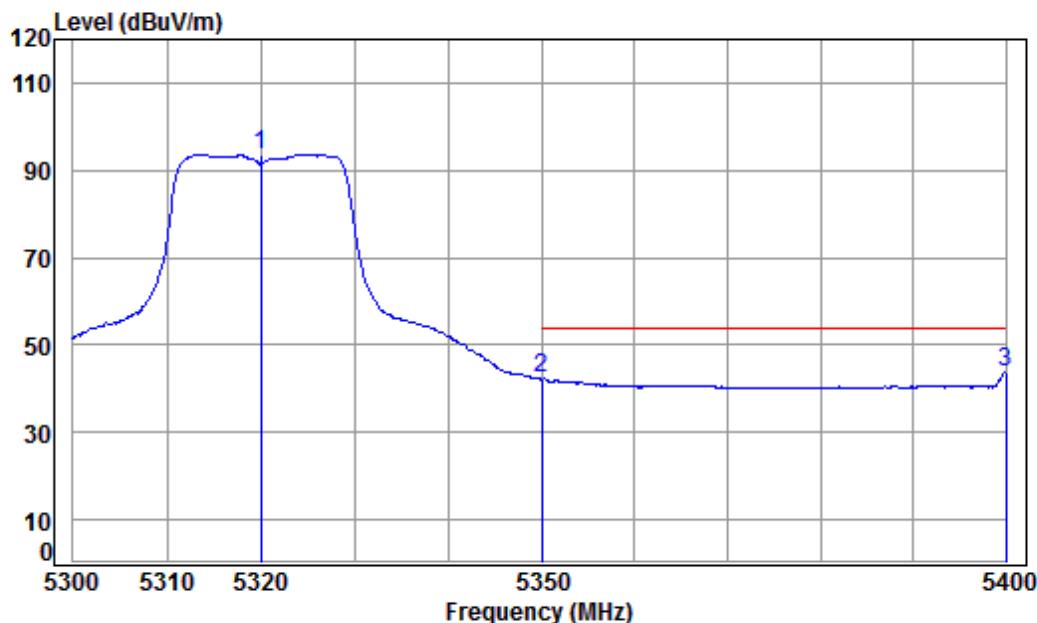
Job No : 02324CR

Mode : 5320 Band edge

Note : 5G WiFi 11AC 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5320.000	8.58	34.46	42.20	100.90	101.74	68.20	33.54 peak
2		5350.020	8.63	34.48	42.17	51.10	52.04	74.00	-21.96 peak
3		5351.066	8.63	34.48	42.17	50.09	51.03	74.00	-22.97 peak

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



Condition: 3m HORIZONTAL

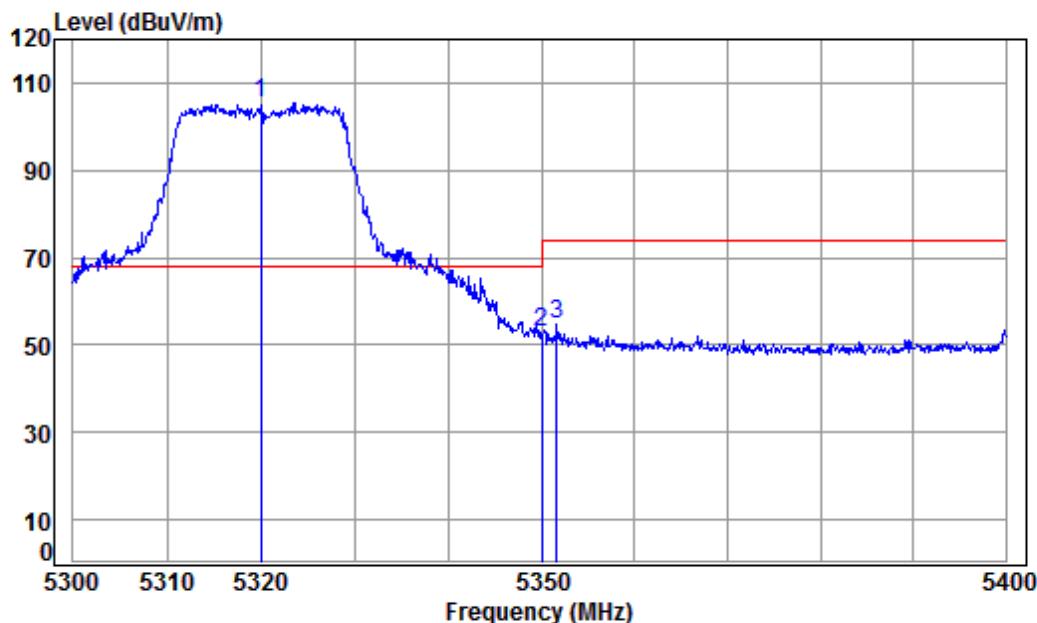
Job No : 02324CR

Mode : 5320 Band edge

Note : 5G WiFi 11AC 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5320.000	8.58	34.46	42.20	92.86	93.70	-----	-----	Average
2	5350.020	8.63	34.48	42.17	41.40	42.34	54.00	-11.66	Average
3 pp	5400.000	8.70	34.52	42.12	42.72	43.82	54.00	-10.18	Average

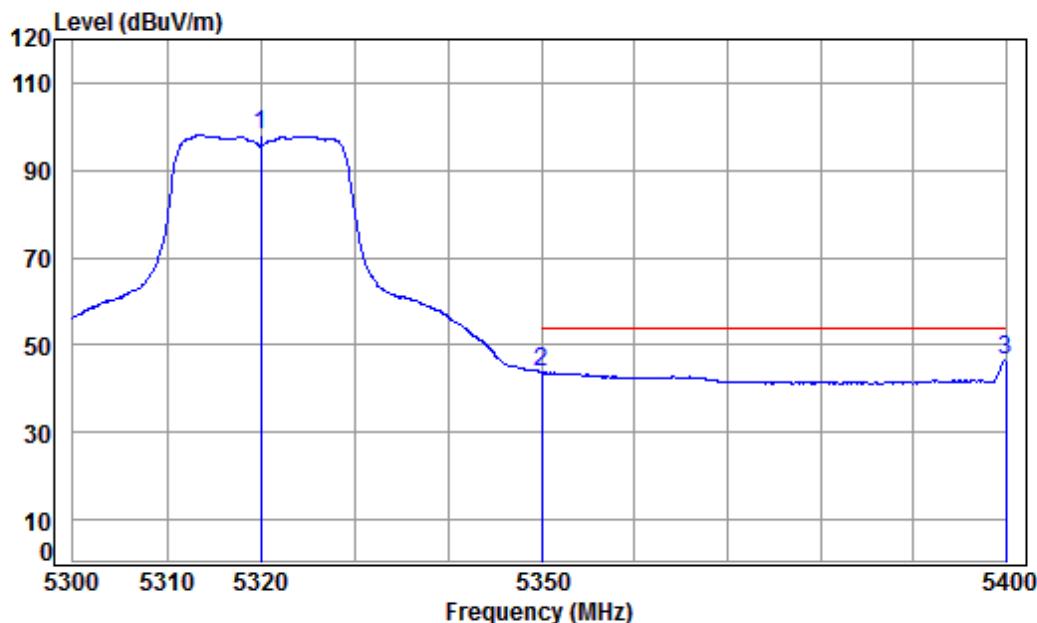
Mode:h; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL  
Job No : 02324CR  
Mode : 5320 Band edge  
Note : 5G WiFi 11AC 20

		Cable Freq	Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5320.000	8.58	34.46	42.20	104.53	105.37	68.20	37.17	Peak
2		5350.020	8.63	34.48	42.17	52.05	52.99	74.00	-21.01	Peak
3		5351.667	8.63	34.49	42.17	53.66	54.61	74.00	-19.39	Peak

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



Condition: 3m VERTICAL

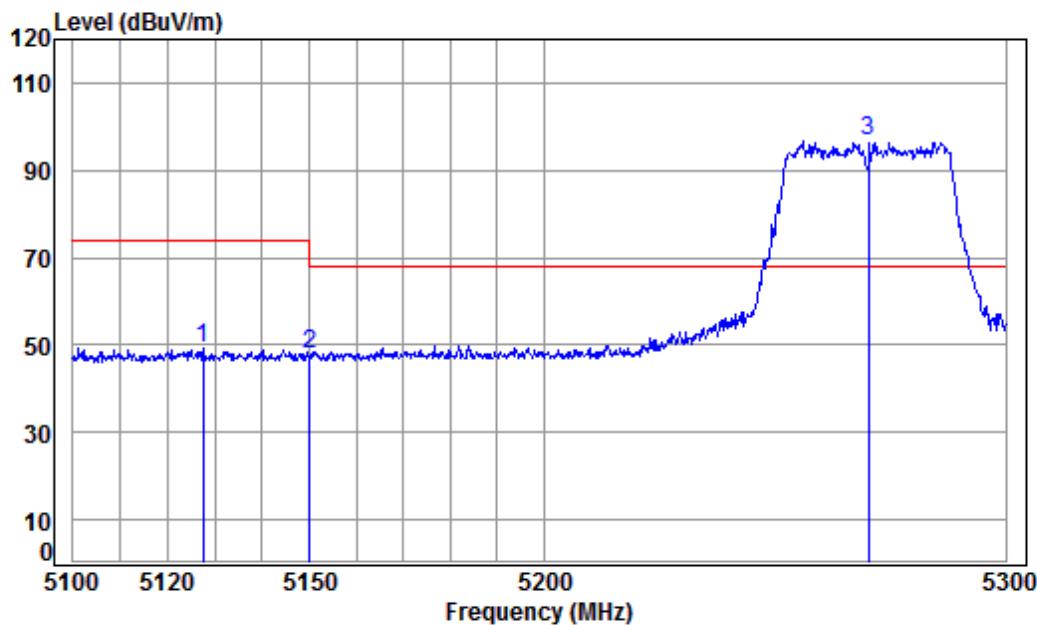
Job No : 02324CR

Mode : 5320 Band edge

Note : 5G WiFi 11AC 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5320.000	8.58	34.46	42.20	97.32	98.16	-----	-----	Average
2	5350.020	8.63	34.48	42.17	42.89	43.83	54.00	-10.17	Average
3 pp	5400.000	8.70	34.52	42.12	45.54	46.64	54.00	-7.36	Average

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



Condition: 3m HORIZONTAL

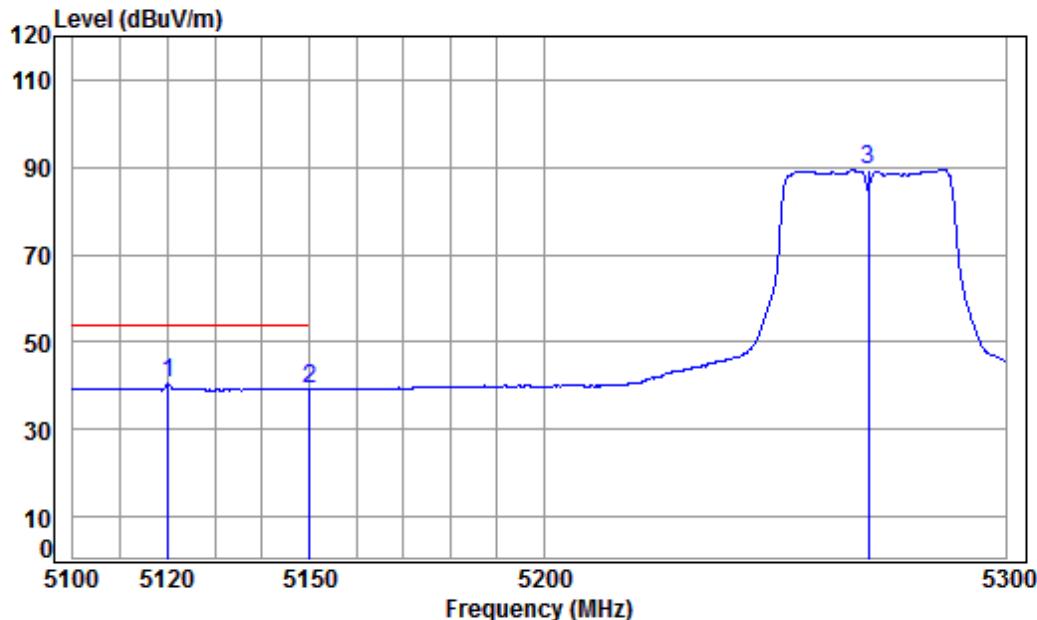
Job No : 02324CR

Mode : 5270 Band edge

Note : 5G WiFi 11AC 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5127.539	8.29	34.31	42.38	49.20	49.42	74.00	-24.58	peak
2	5149.980	8.33	34.32	42.36	47.67	47.96	74.00	-26.04	peak
3 pp	5270.000	8.51	34.42	42.24	96.00	96.69	68.20	28.49	peak

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



Condition: 3m HORIZONTAL

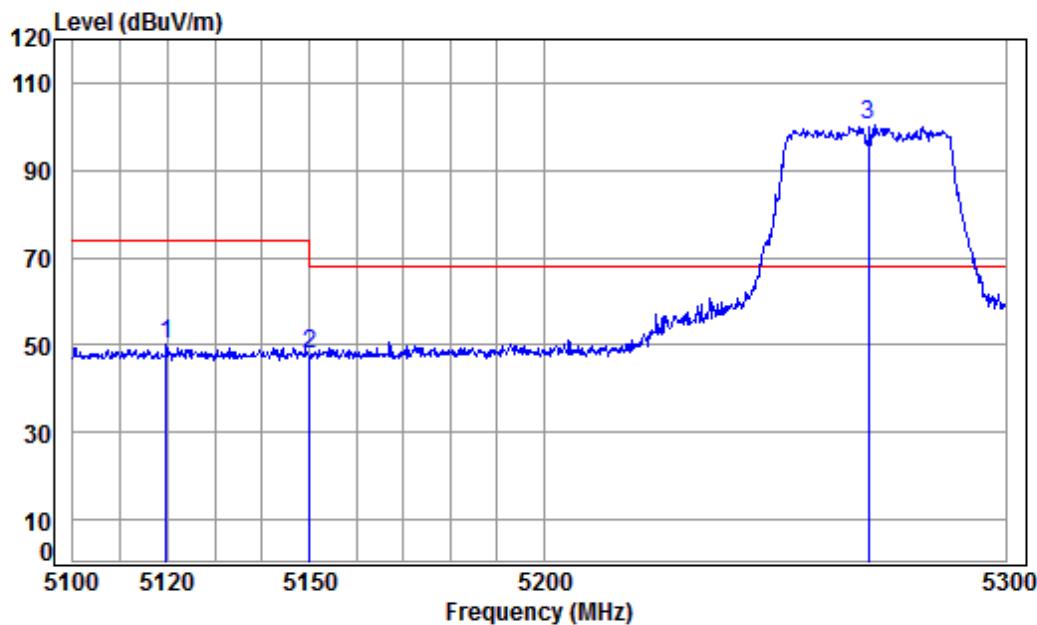
Job No : 02324CR

Mode : 5270 Band edge

Note : 5G WiFi 11AC 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5120.049	8.28	34.30	42.38	40.23	40.43	54.00	-13.57 Average
2		5149.980	8.33	34.32	42.36	38.97	39.26	54.00	-14.74 Average
3		5270.000	8.51	34.42	42.24	88.91	89.60	-----	----- Average

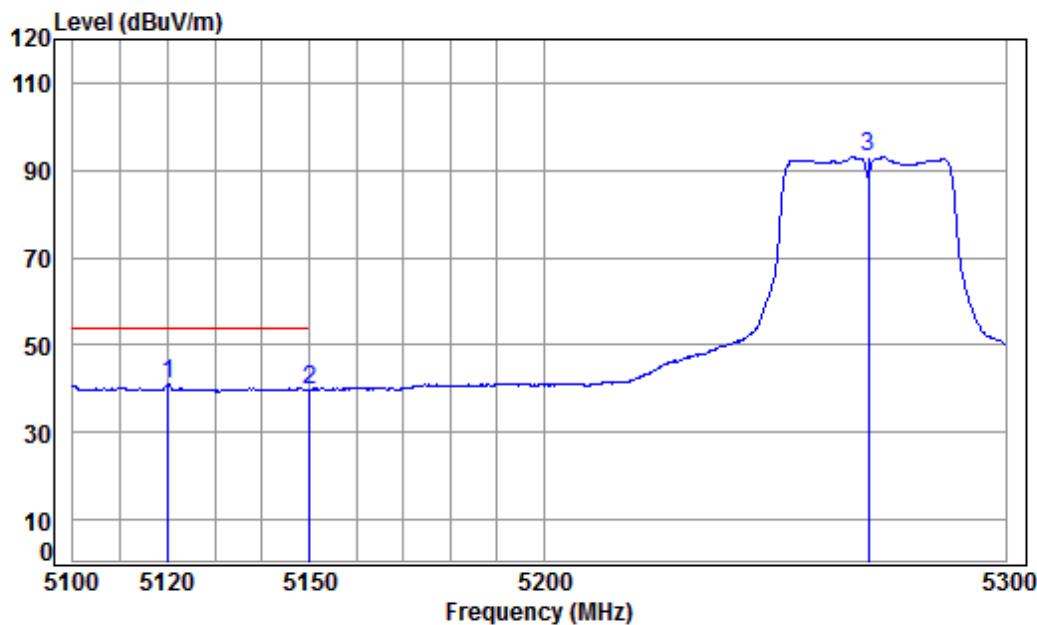
Mode:h; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL  
Job No : 02324CR  
Mode : 5270 Band edge  
Note : 5G WiFi 11AC 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5119.656	8.28	34.30	42.38	49.84	50.04	74.00	-23.96	Peak
2	5149.980	8.33	34.32	42.36	47.45	47.74	74.00	-26.26	Peak
3 pp	5270.000	8.51	34.42	42.24	99.89	100.58	68.20	32.38	Peak

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



Condition: 3m VERTICAL

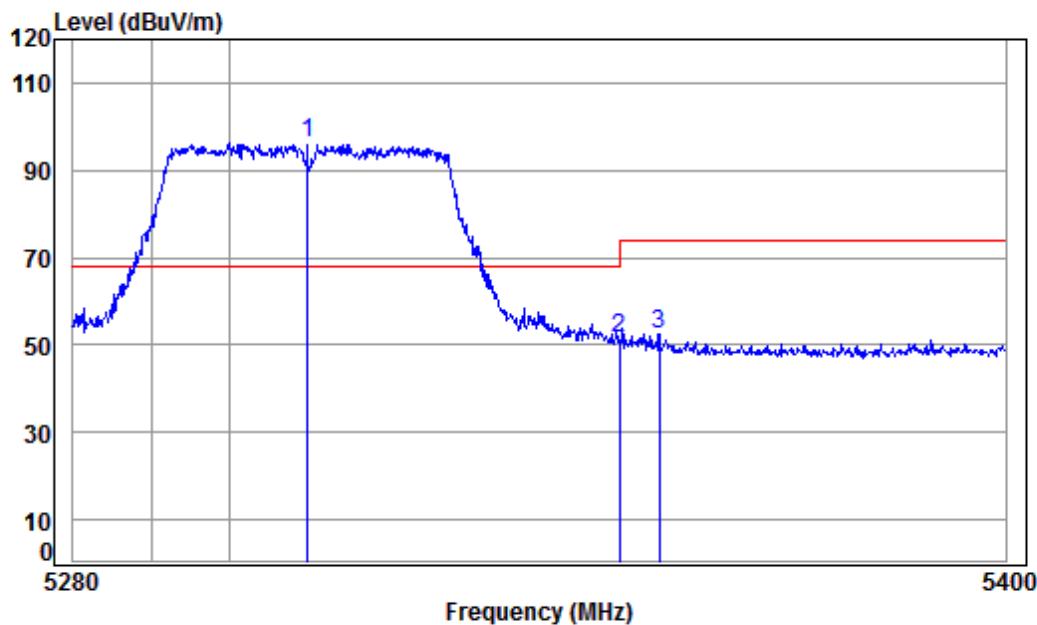
Job No : 02324CR

Mode : 5270 Band edge

Note : 5G WiFi 11AC 40

		Cable Freq	Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	5120.049	8.28	34.30	42.38	40.91	41.11	54.00	-12.89	Average
2		5149.980	8.33	34.32	42.36	39.58	39.87	54.00	-14.13	Average
3		5270.000	8.51	34.42	42.24	92.46	93.15	-----	-----	Average

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



Condition: 3m HORIZONTAL

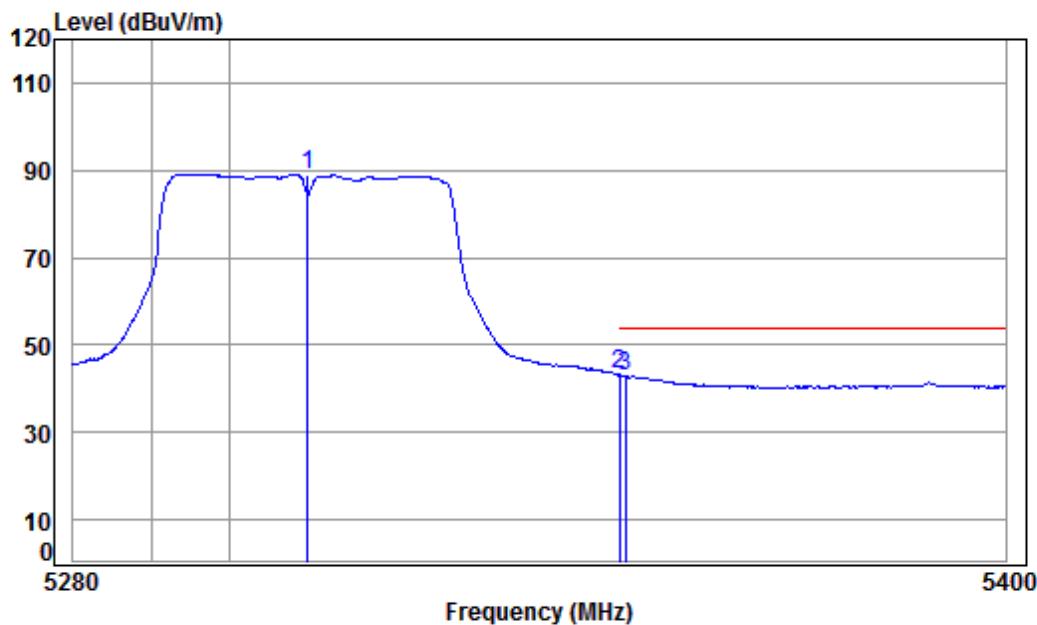
Job No : 02324CR

Mode : 5310 Band edge

Note : 5G WiFi 11AC 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5310.000	8.57	34.45	42.21	95.68	96.49	68.20	28.29 peak
2		5350.020	8.63	34.48	42.17	50.69	51.63	74.00	-22.37 peak
3		5355.165	8.64	34.49	42.16	51.64	52.61	74.00	-21.39 peak

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



Condition: 3m HORIZONTAL

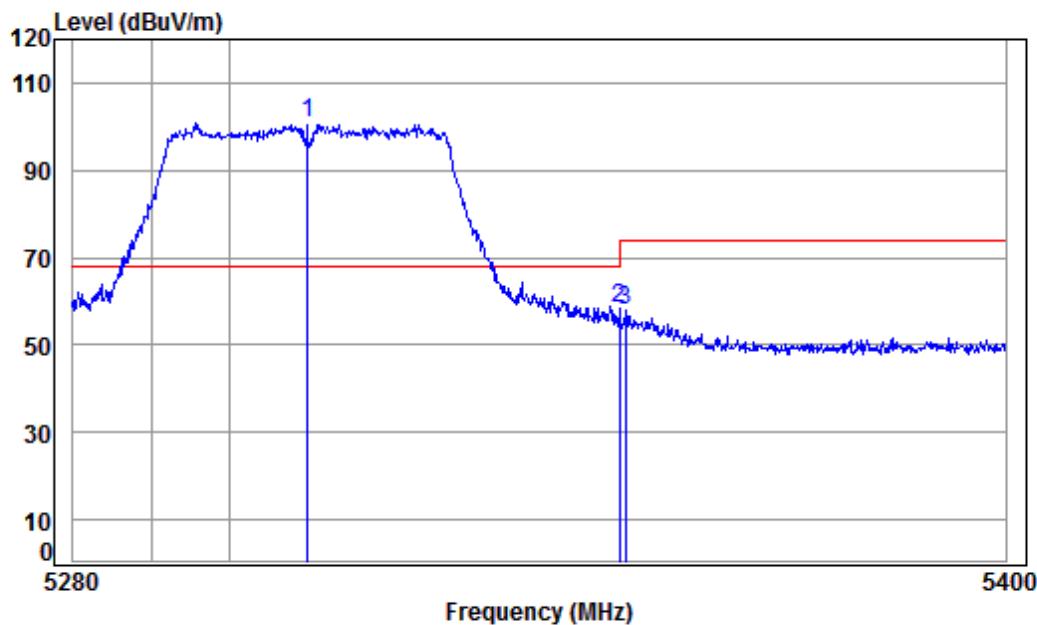
Job No : 02324CR

Mode : 5310 Band edge

Note : 5G WiFi 11AC 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5310.000	8.57	34.45	42.21	88.35	89.16	-----	-----	Average
2 pp	5350.020	8.63	34.48	42.17	42.25	43.19	54.00	-10.81	Average
3	5350.714	8.63	34.48	42.17	42.06	43.00	54.00	-11.00	Average

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



Condition: 3m VERTICAL

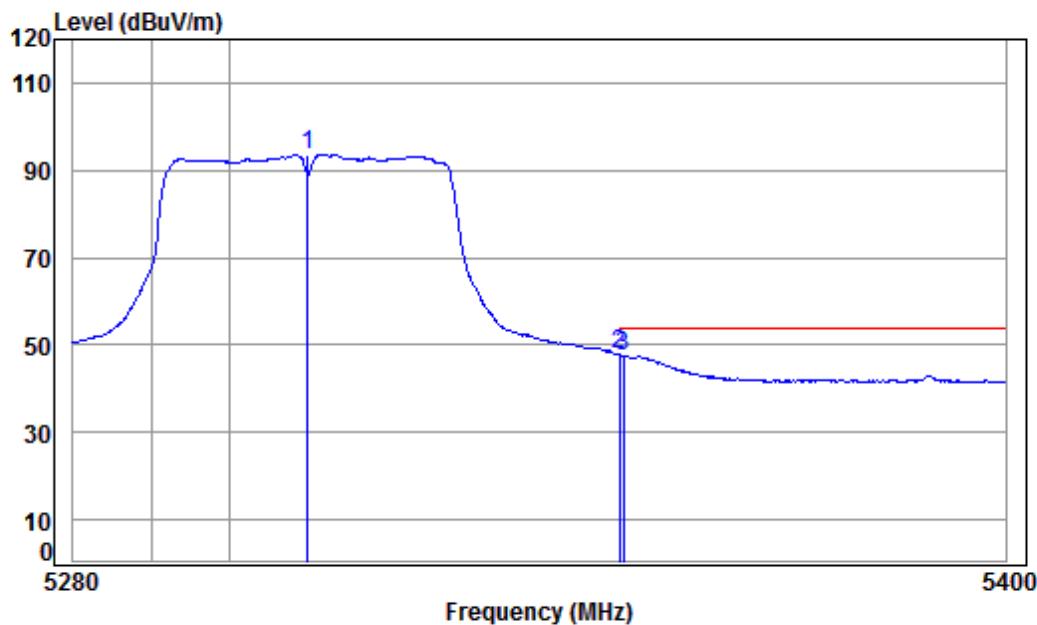
Job No : 02324CR

Mode : 5310 Band edge

Note : 5G WiFi 11AC 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5310.000	8.57	34.45	42.21	99.93	100.74	68.20	32.54 Peak
2		5350.020	8.63	34.48	42.17	57.28	58.22	74.00	-15.78 Peak
3		5350.714	8.63	34.48	42.17	56.80	57.74	74.00	-16.26 Peak

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



Condition: 3m VERTICAL

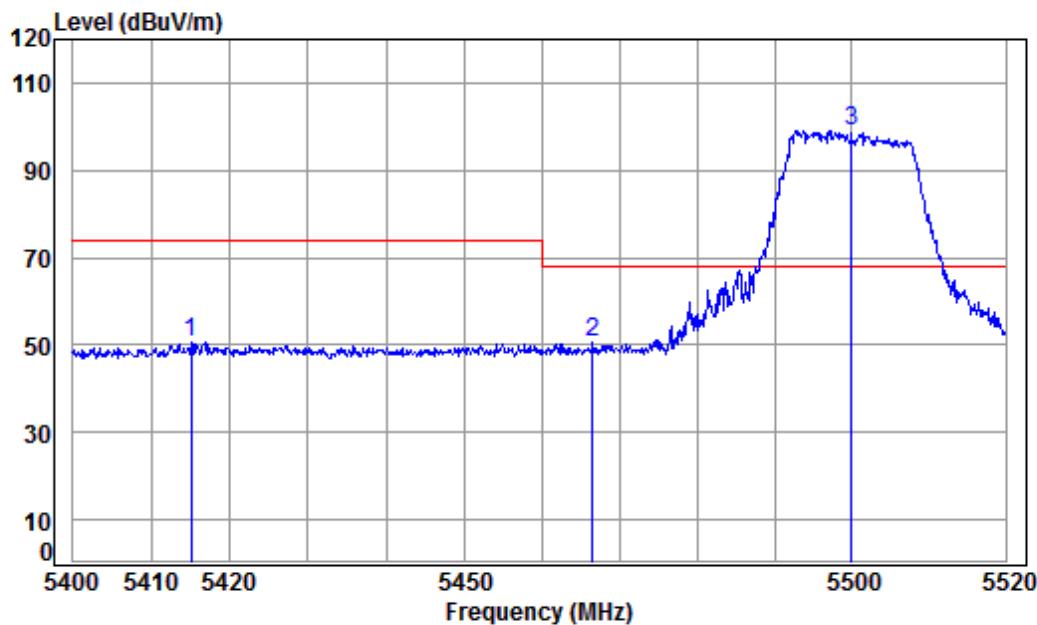
Job No : 02324CR

Mode : 5310 Band edge

Note : 5G WiFi 11AC 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5310.000	8.57	34.45	42.21	92.71	93.52	-----	-----	Average
2 pp	5350.020	8.63	34.48	42.17	46.88	47.82	54.00	-6.18	Average
3	5350.474	8.63	34.48	42.17	46.64	47.58	54.00	-6.42	Average

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



Condition: 3m HORIZONTAL

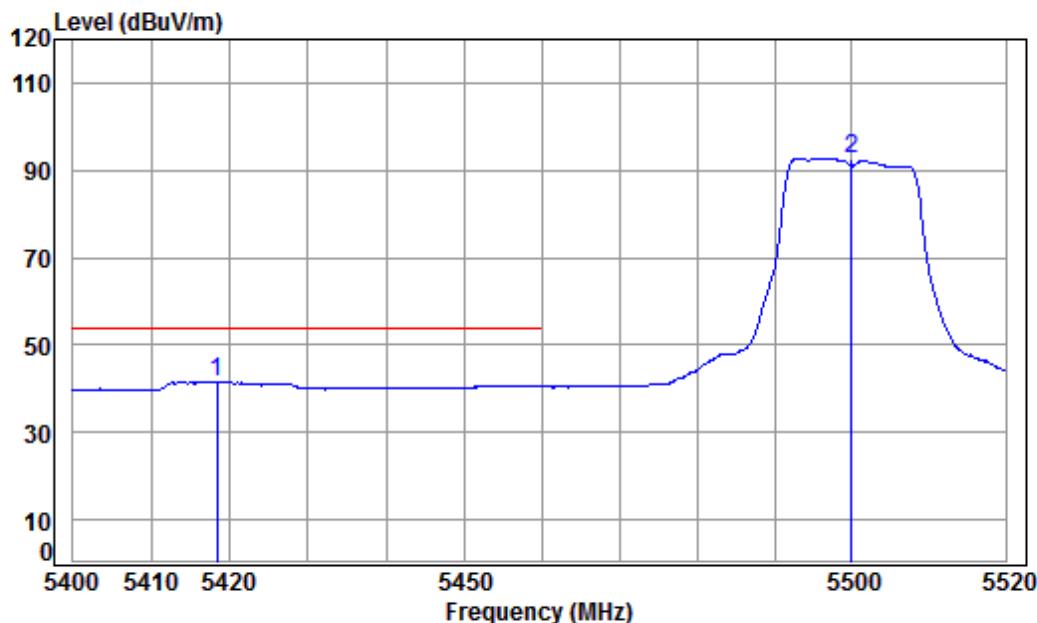
Job No : 02324CR

Mode : 5500 Band edge

Note : 5G WiFi 11A 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5415.094	8.73	34.53	42.11	49.50	50.65	74.00	-23.35	peak
2	5466.515	8.80	34.57	42.06	49.38	50.69	68.20	-17.51	peak
3 pp	5500.000	8.85	34.60	42.03	97.54	98.96	68.20	30.76	peak

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



Condition: 3m HORIZONTAL

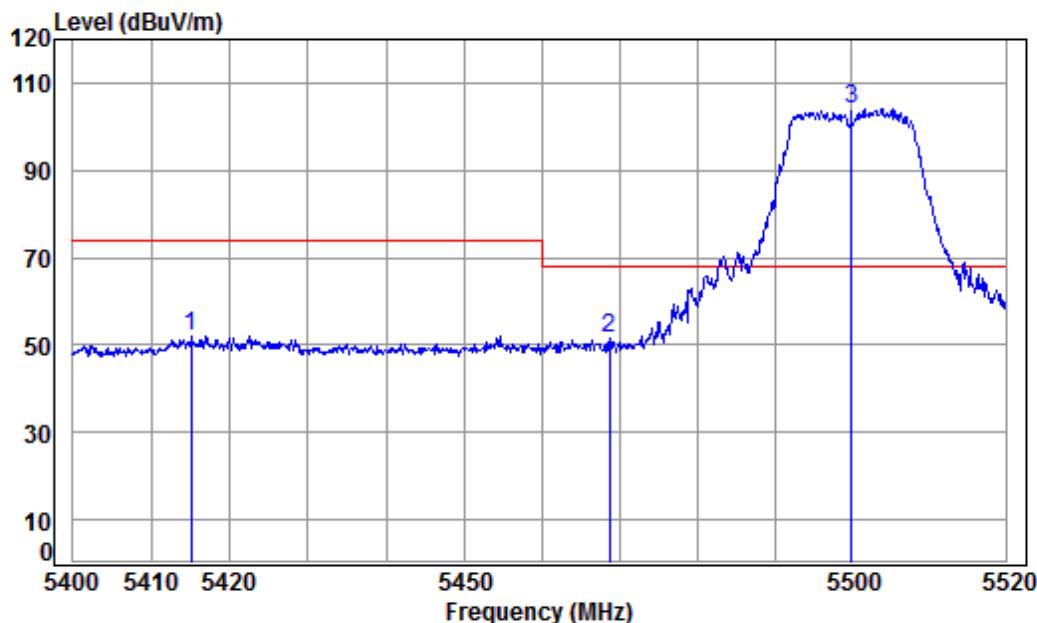
Job No : 02324CR

Mode : 5500 Band edge

Note : 5G WiFi 11A 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5418.428	8.73	34.54	42.11	40.46	41.62	54.00	-12.38
2		5500.000	8.85	34.60	42.03	91.30	92.72	-----	Average

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



Condition: 3m VERTICAL

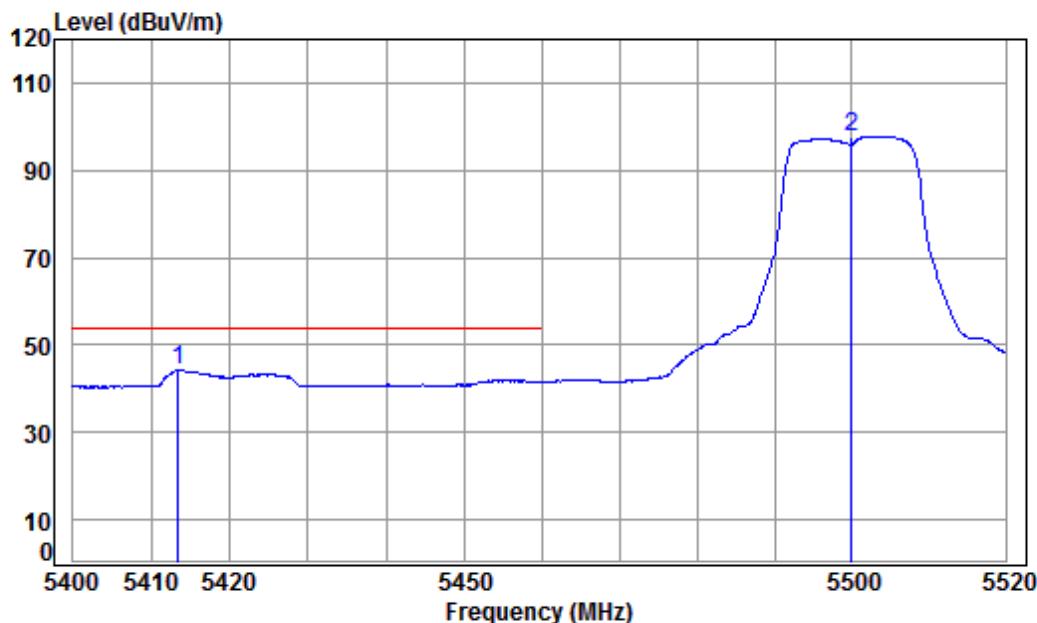
Job No : 02324CR

Mode : 5500 Band edge

Note : 5G WiFi 11A 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5415.094	8.73	34.53	42.11	51.07	52.22	74.00	-21.78	Peak
2	5468.678	8.80	34.58	42.06	50.20	51.52	68.20	-16.68	peak
3 pp	5500.000	8.85	34.60	42.03	102.54	103.96	68.20	35.76	Peak

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



Condition: 3m VERTICAL

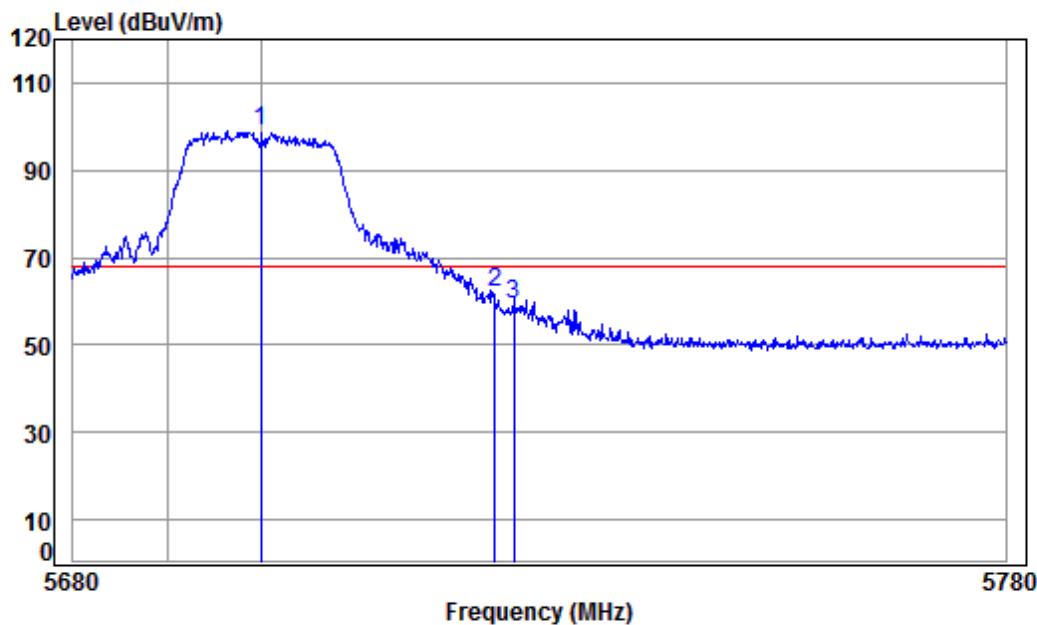
Job No : 02324CR

Mode : 5500 Band edge

Note : 5G WiFi 11A 20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5413.428	8.72	34.53	42.11	43.06	44.20	54.00	-9.80 Average
2	5500.000	8.85	34.60	42.03	96.42	97.84	-----	----- Average

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



Condition: 3m HORIZONTAL

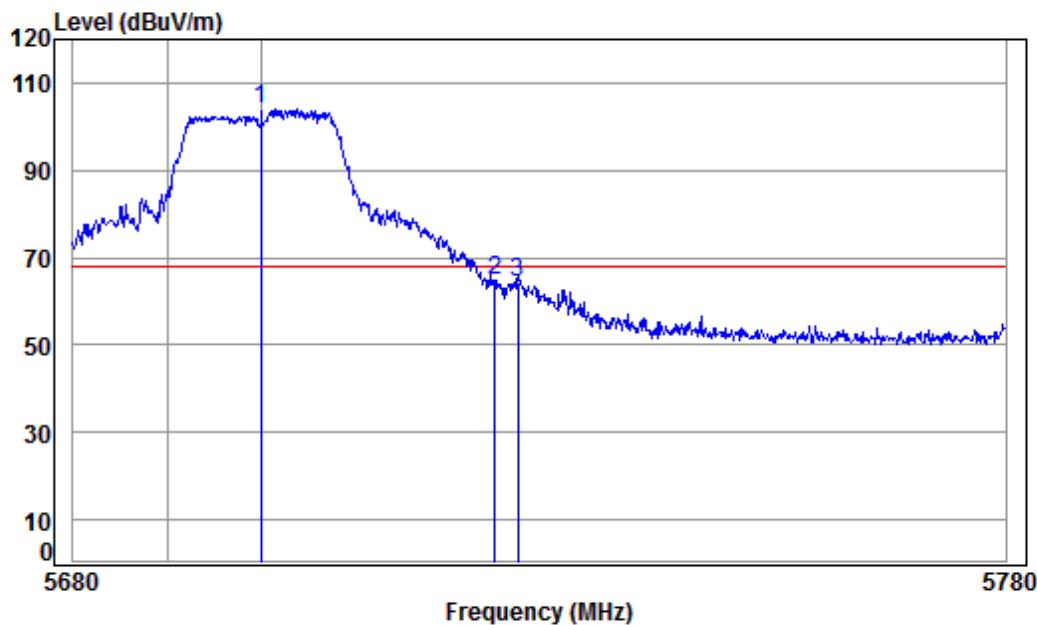
Job No : 02324CR

Mode : 5700 Band edge

Note : 5G WiFi 11A 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5700.000	9.56	34.81	41.86	96.35	98.86	68.20	30.66 peak
2		5725.000	9.64	34.83	41.84	59.33	61.96	68.20	-6.24 peak
3		5727.083	9.65	34.83	41.84	56.86	59.50	68.20	-8.70 peak

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



Condition: 3m VERTICAL

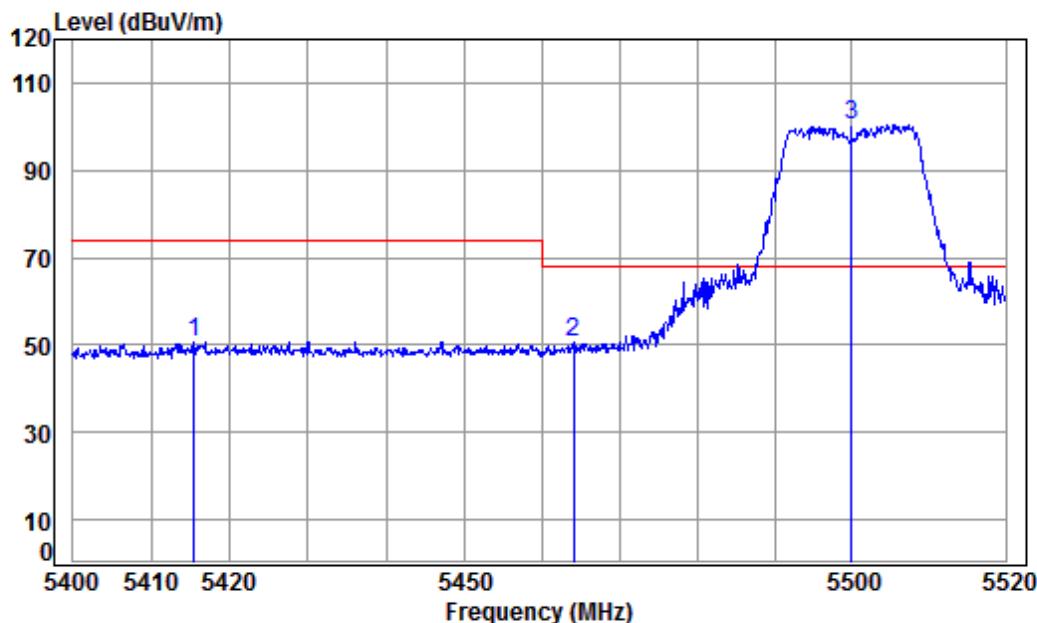
Job No : 02324CR

Mode : 5700 Band edge

Note : 5G WiFi 11A 20

		Cable Freq	Ant Loss	Preamp Factor	Read Factor	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5700.000	9.56	34.81	41.86	101.32	103.83	68.20	35.63 Peak
2		5725.000	9.64	34.83	41.84	62.30	64.93	68.20	-3.27 Peak
3		5727.482	9.65	34.83	41.84	61.87	64.51	68.20	-3.69 Peak

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



Condition: 3m HORIZONTAL

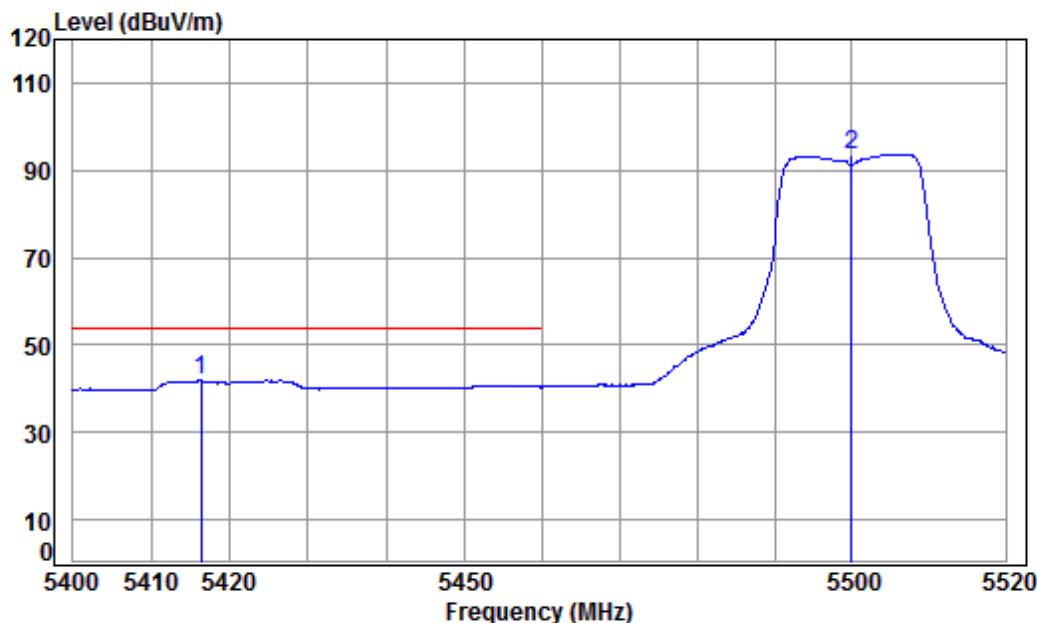
Job No : 02324CR

Mode : 5500 Band edge

Note : 5G WiFi 11N 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5415.451	8.73	34.53	42.11	49.71	50.86	74.00	-23.14	peak
2	5464.112	8.80	34.57	42.07	49.14	50.44	68.20	-17.76	peak
3 pp	5500.000	8.85	34.60	42.03	98.99	100.41	68.20	32.21	peak

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



Condition: 3m HORIZONTAL

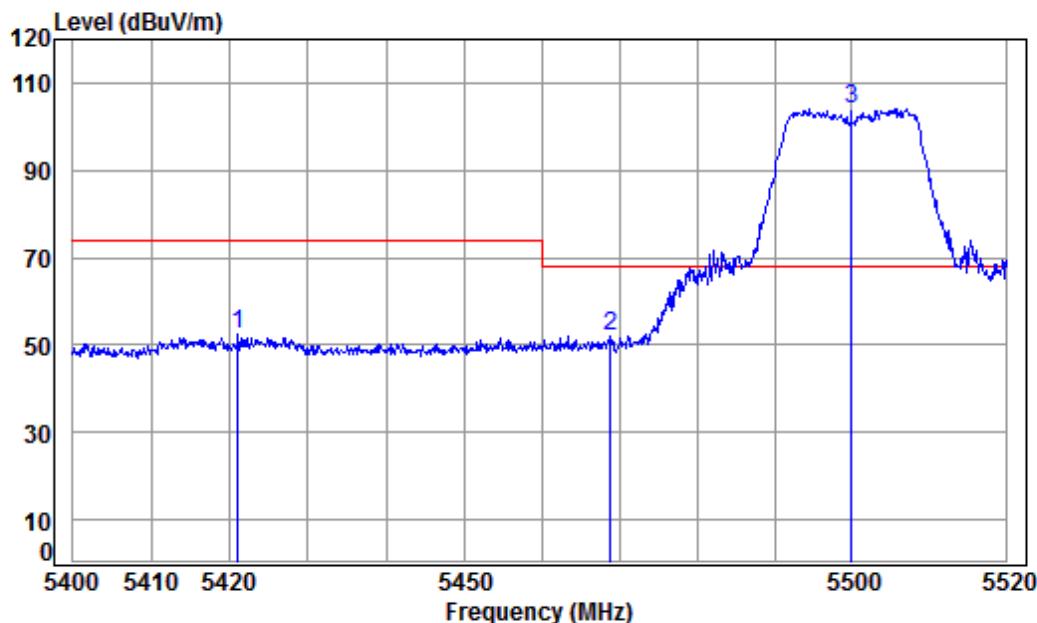
Job No : 02324CR

Mode : 5500 Band edge

Note : 5G WiFi 11N 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5416.285	8.73	34.54	42.11	40.78	41.94	54.00	-12.06 Average
2		5500.000	8.85	34.60	42.03	92.34	93.76	-----	----- Average

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



Condition: 3m VERTICAL

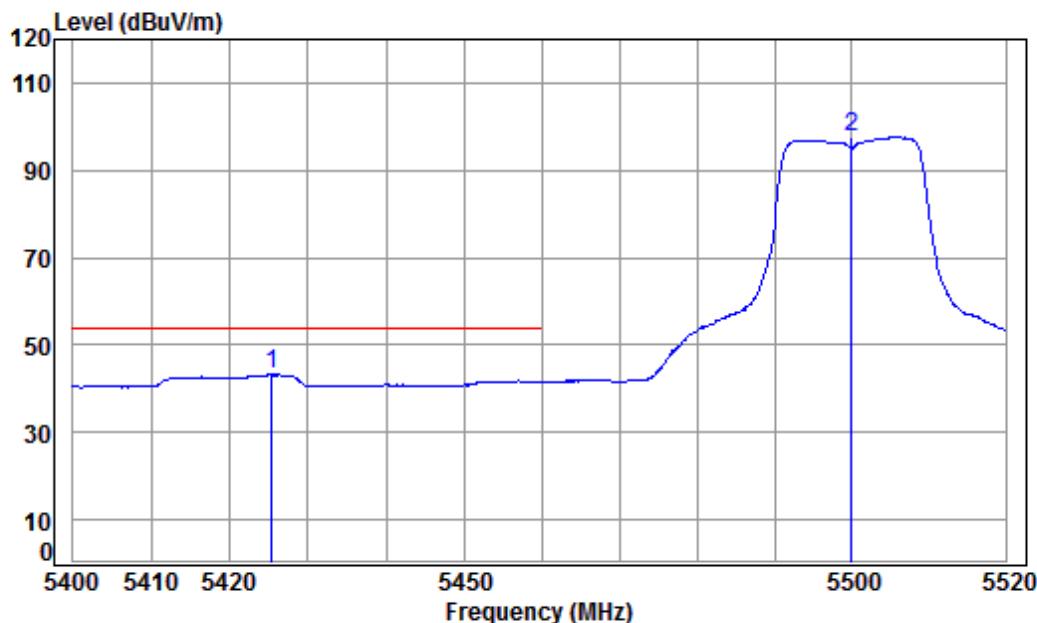
Job No : 02324CR

Mode : 5500 Band edge

Note : 5G WiFi 11N 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5421.048	8.73	34.54	42.10	51.23	52.40	74.00	-21.60	Peak
2	5468.798	8.80	34.58	42.06	50.77	52.09	68.20	-16.11	peak
3 pp	5500.000	8.85	34.60	42.03	102.83	104.25	68.20	36.05	Peak

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



Condition: 3m VERTICAL

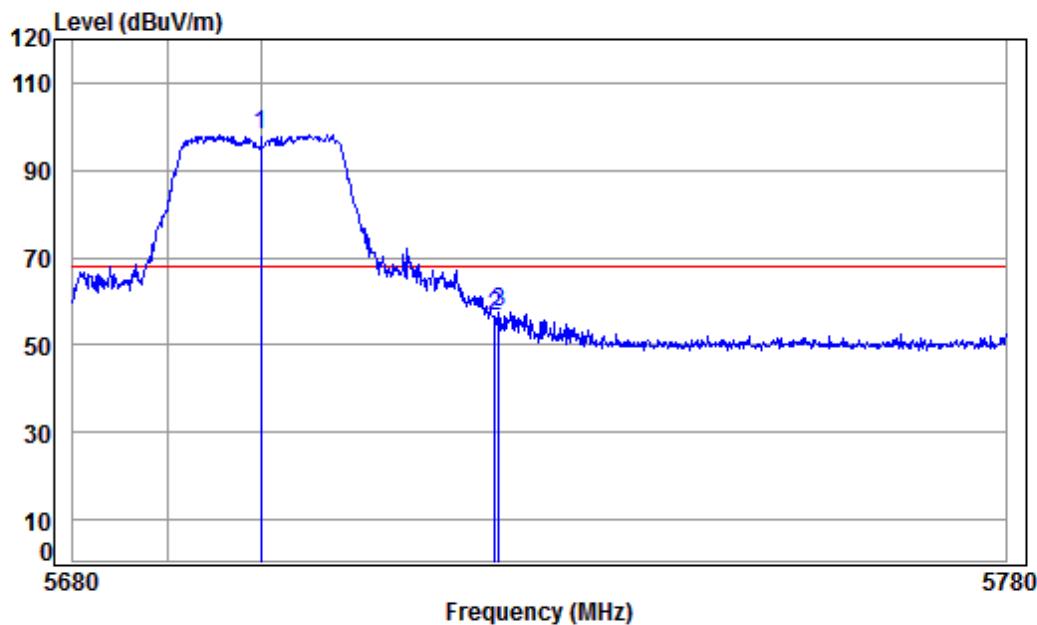
Job No : 02324CR

Mode : 5500 Band edge

Note : 5G WiFi 11N 20

		Cable Freq	Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5425.339	8.74	34.54	42.10	42.06	43.24	54.00	-10.76	Average
2		5500.000	8.85	34.60	42.03	96.10	97.52	-----	-----	Average

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



Condition: 3m HORIZONTAL

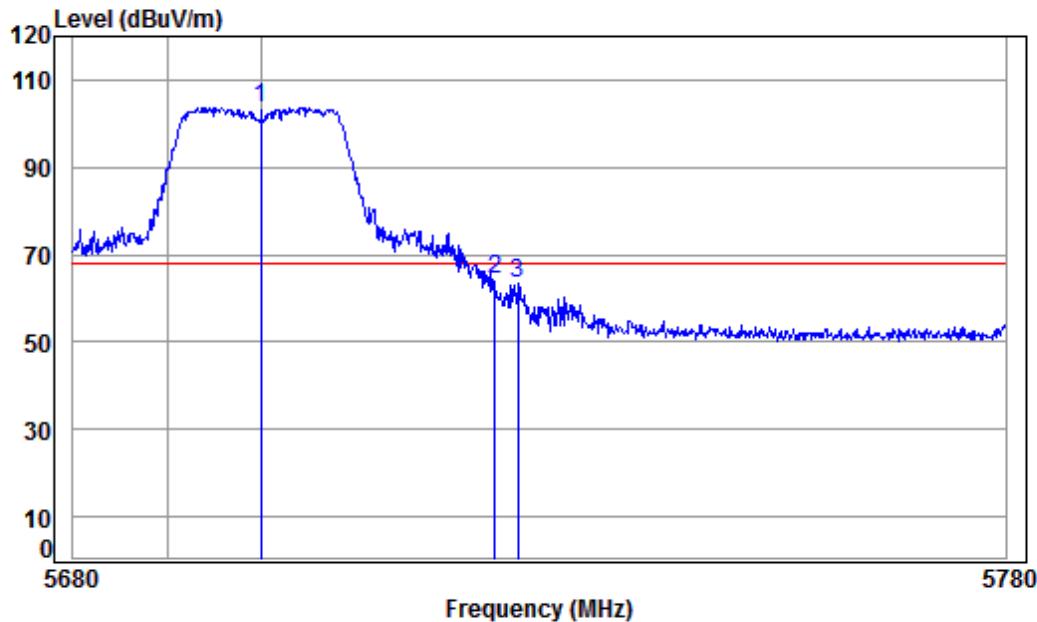
Job No : 02324CR

Mode : 5700 Band edge

Note : 5G WiFi 11N 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5700.000	9.56	34.81	41.86	95.62	98.13	68.20	29.93 peak
2		5725.000	9.64	34.83	41.84	53.97	56.60	68.20	-11.60 peak
3		5725.483	9.64	34.83	41.84	55.02	57.65	68.20	-10.55 peak

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



Condition: 3m VERTICAL

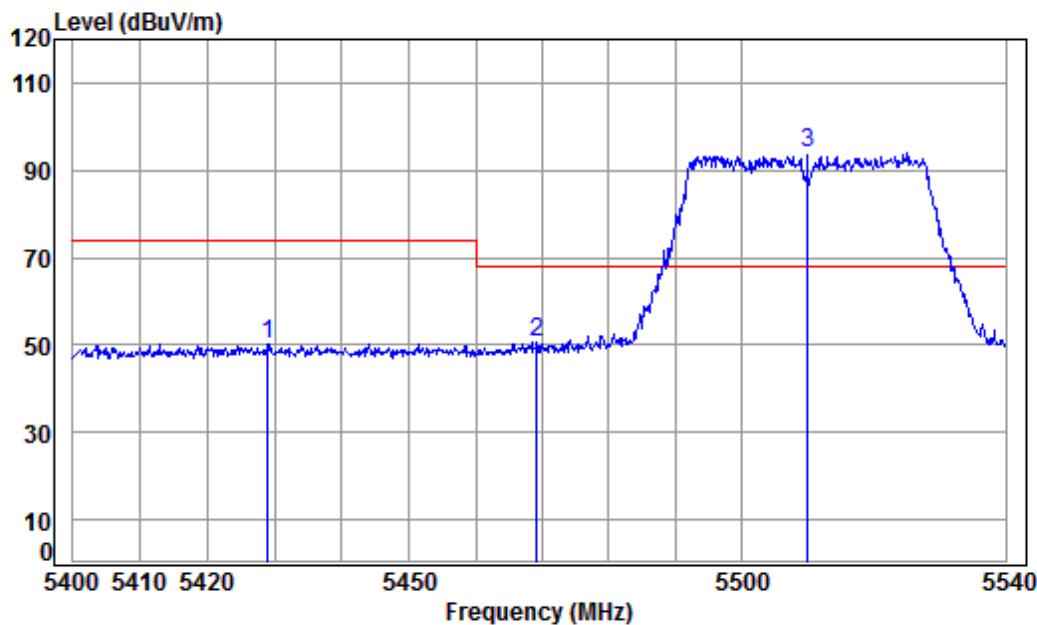
Job No : 02324CR

Mode : 5700 Band edge

Note : 5G WiFi 11N 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5700.000	9.56	34.81	41.86	101.18	103.69	68.20	35.49 Peak
2		5725.000	9.64	34.83	41.84	61.66	64.29	68.20	-3.91 Peak
3		5727.482	9.65	34.83	41.84	60.65	63.29	68.20	-4.91 Peak

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



Condition: 3m HORIZONTAL

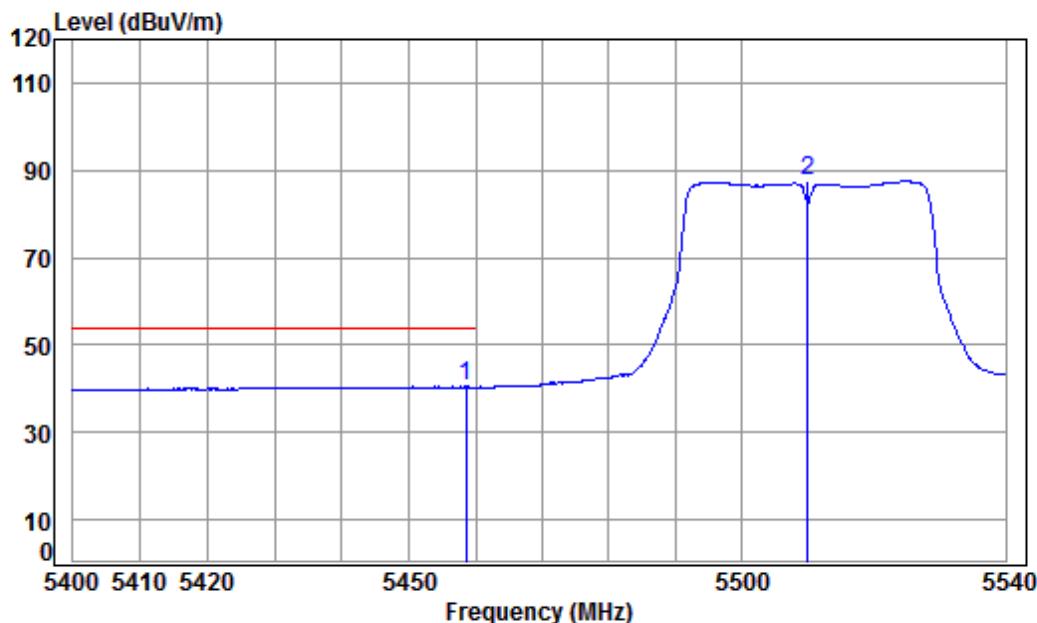
Job No : 02324CR

Mode : 5510 Band edge

Note : 5G WiFi 11N 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1		5428.964	8.75	34.55	42.10	48.95	50.15	74.00	-23.85 peak
2		5469.132	8.81	34.58	42.06	49.42	50.75	68.20	-17.45 peak
3	pp	5510.000	8.89	34.61	42.02	92.51	93.99	68.20	25.79 peak

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



Condition: 3m HORIZONTAL

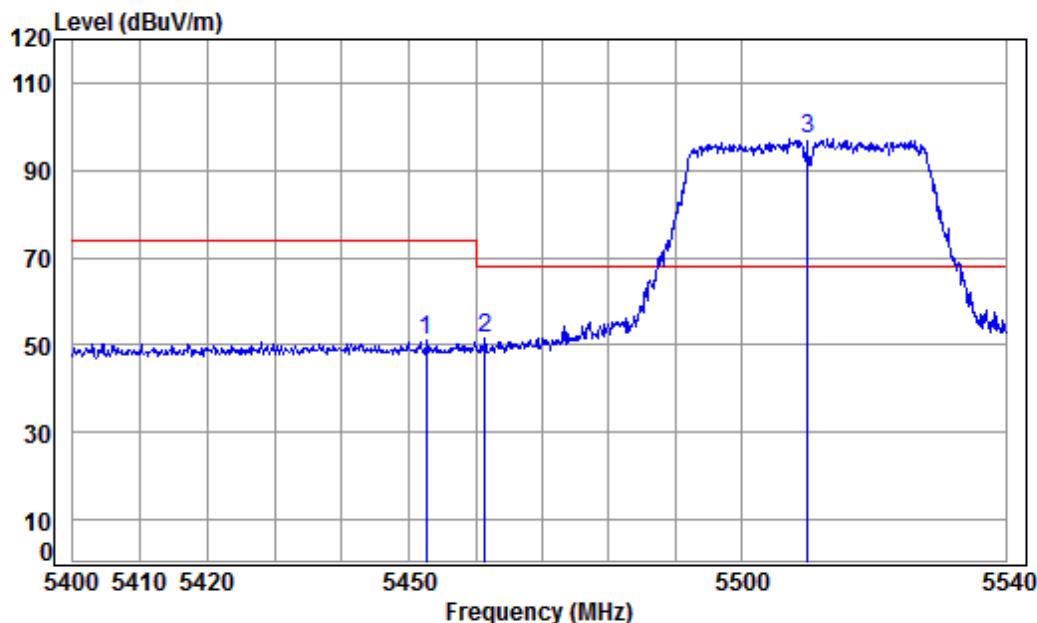
Job No : 02324CR

Mode : 5510 Band edge

Note : 5G WiFi 11N 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5458.643	8.79	34.57	42.07	39.17	40.46	54.00	-13.54 Average
2		5510.000	8.89	34.61	42.02	85.94	87.42	-----	----- Average

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



Condition: 3m VERTICAL

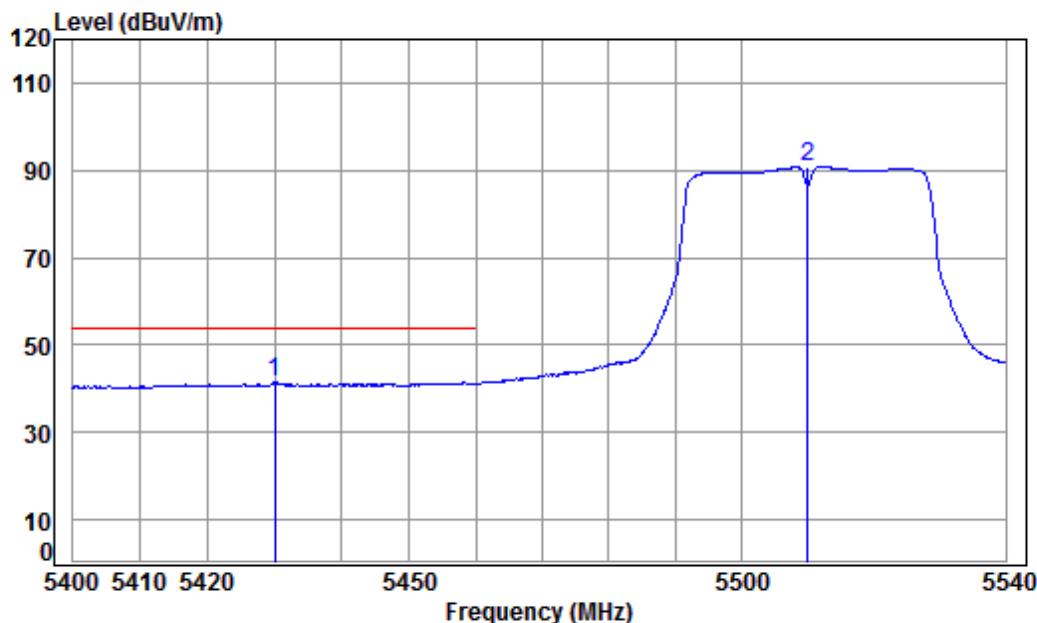
Job No : 02324CR

Mode : 5510 Band edge

Note : 5G WiFi 11N 40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5452.639	8.78	34.56	42.08	49.63	50.89	74.00	-23.11	Peak
2	5461.438	8.79	34.57	42.07	50.43	51.72	68.20	-16.48	peak
3 pp	5510.000	8.89	34.61	42.02	95.60	97.08	68.20	28.88	Peak

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



Condition: 3m VERTICAL

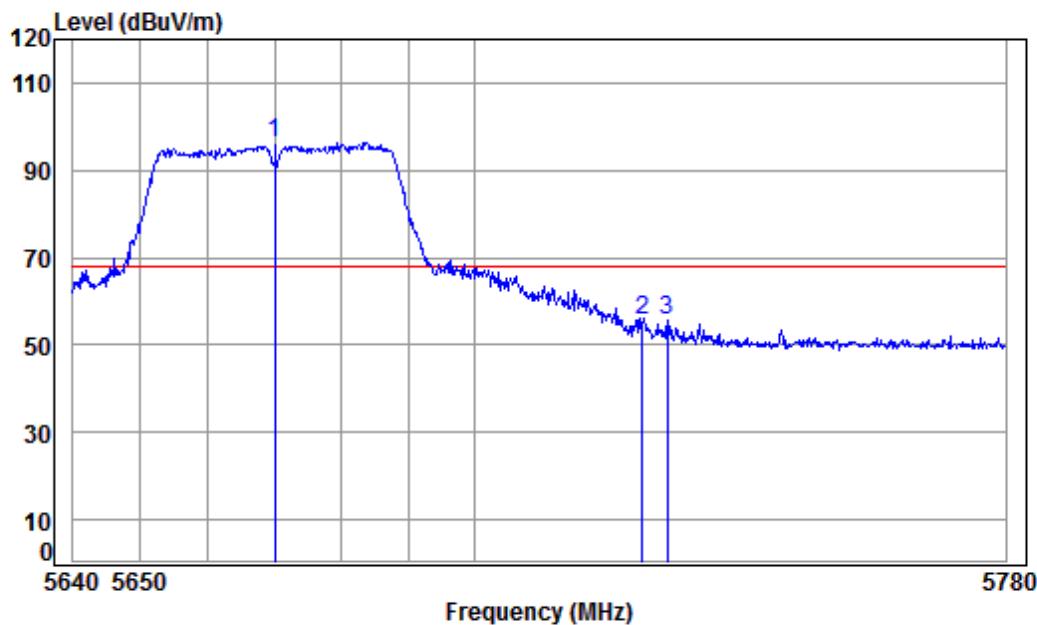
Job No : 02324CR

Mode : 5510 Band edge

Note : 5G WiFi 11N 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5430.076	8.75	34.55	42.10	40.25	41.45	54.00	-12.55 Average
2		5510.000	8.89	34.61	42.02	89.25	90.73	-----	----- Average

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



Condition: 3m HORIZONTAL

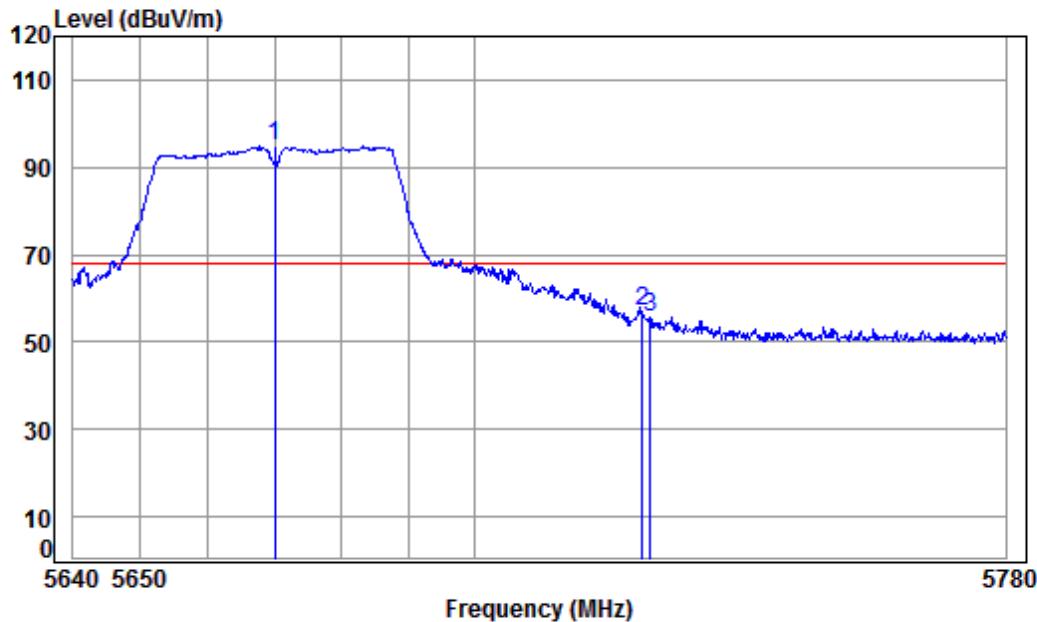
Job No : 02324CR

Mode : 5670 Band edge

Note : 5G WiFi 11N 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5670.000	9.45	34.77	41.88	94.04	96.38	68.20	28.18 peak
2		5725.000	9.64	34.83	41.84	53.11	55.74	68.20	-12.46 peak
3		5728.783	9.66	34.83	41.83	52.91	55.57	68.20	-12.63 peak

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



Condition: 3m VERTICAL

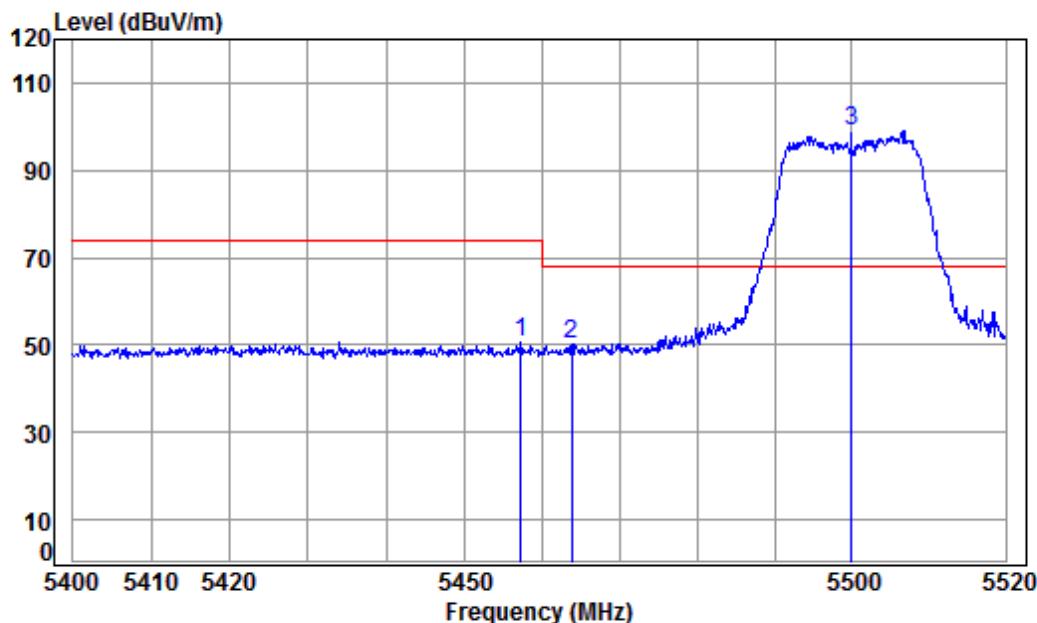
Job No : 02324CR

Mode : 5670 Band edge

Note : 5G WiFi 11N 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5670.000	9.45	34.77	41.88	92.52	94.86	68.20	26.66 Peak
2		5725.000	9.64	34.83	41.84	54.54	57.17	68.20	-11.03 Peak
3		5726.255	9.65	34.83	41.84	53.05	55.69	68.20	-12.51 Peak

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



Condition: 3m HORIZONTAL

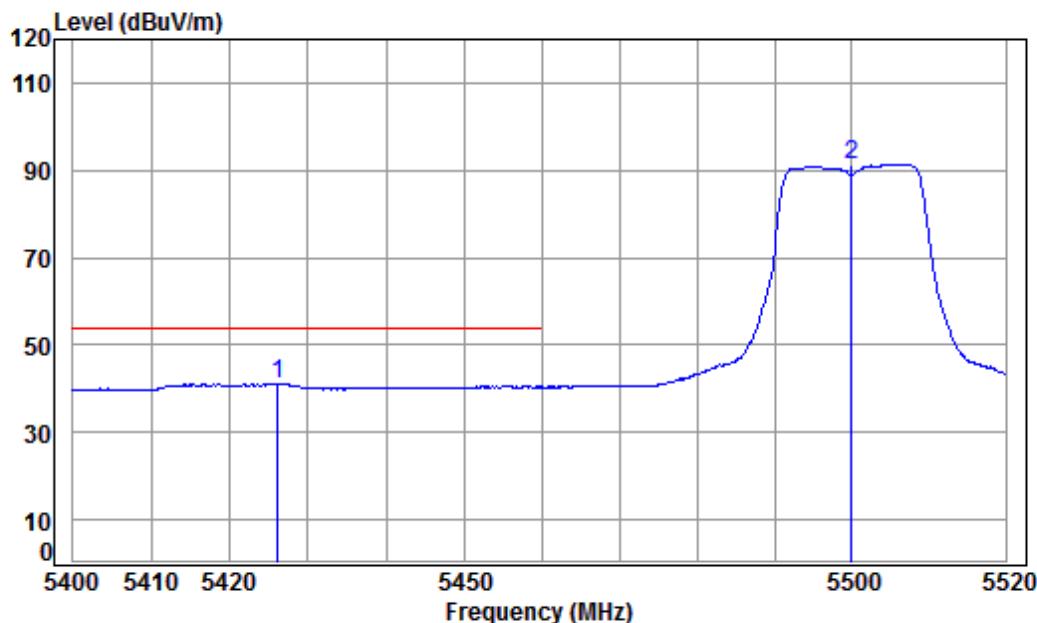
Job No : 02324CR

Mode : 5500 Band edge

Note : 5G WiFi 11AC 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Remark
1	5457.271	8.79	34.57	42.07	49.32	50.61	74.00	-23.39	peak	
2	5463.872	8.80	34.57	42.07	48.91	50.21	68.20	-17.99	peak	
3 pp	5500.000	8.85	34.60	42.03	97.81	99.23	68.20	31.03	peak	

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



Condition: 3m HORIZONTAL

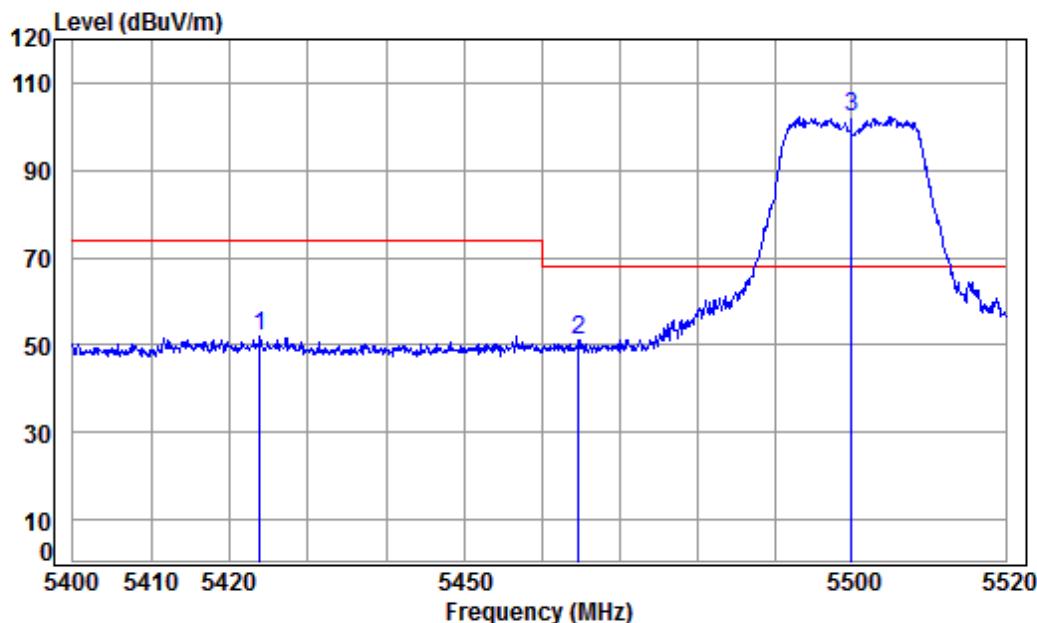
Job No : 02324CR

Mode : 5500 Band edge

Note : 5G WiFi 11AC 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5426.174	8.74	34.54	42.10	39.99	41.17	54.00	-12.83 Average
2		5500.000	8.85	34.60	42.03	90.01	91.43	-----	----- Average

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



Condition: 3m VERTICAL

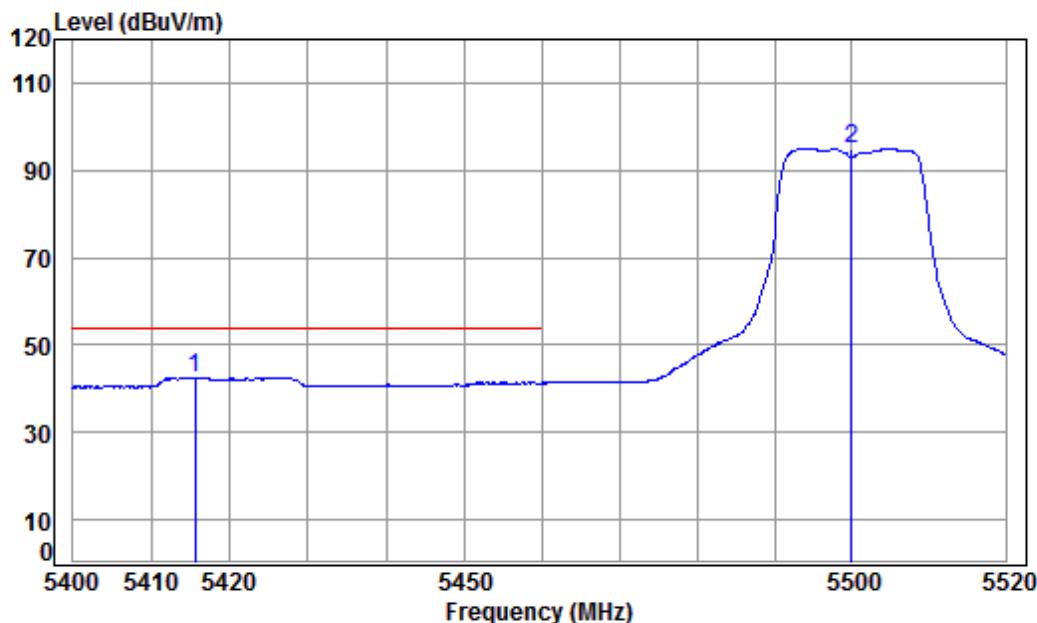
Job No : 02324CR

Mode : 5500 Band edge

Note : 5G WiFi 11AC 20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5423.790	8.74	34.54	42.10	50.89	52.07	74.00	-21.93	Peak
2	5464.712	8.80	34.57	42.07	49.96	51.26	68.20	-16.94	peak
3 pp	5500.000	8.85	34.60	42.03	100.79	102.21	68.20	34.01	Peak

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



Condition: 3m VERTICAL

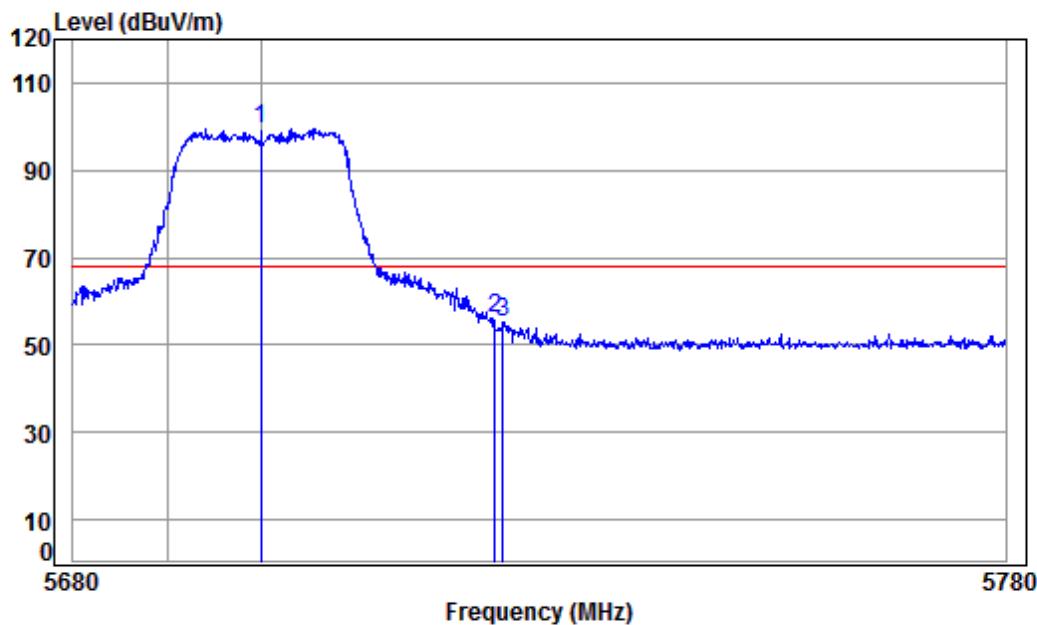
Job No : 02324CR

Mode : 5500 Band edge

Note : 5G WiFi 11AC 20

		Cable Freq	Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5415.570	8.73	34.54	42.11	41.42	42.58	54.00	-11.42	Average
2		5500.000	8.85	34.60	42.03	93.57	94.99	-----	-----	Average

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



Condition: 3m HORIZONTAL

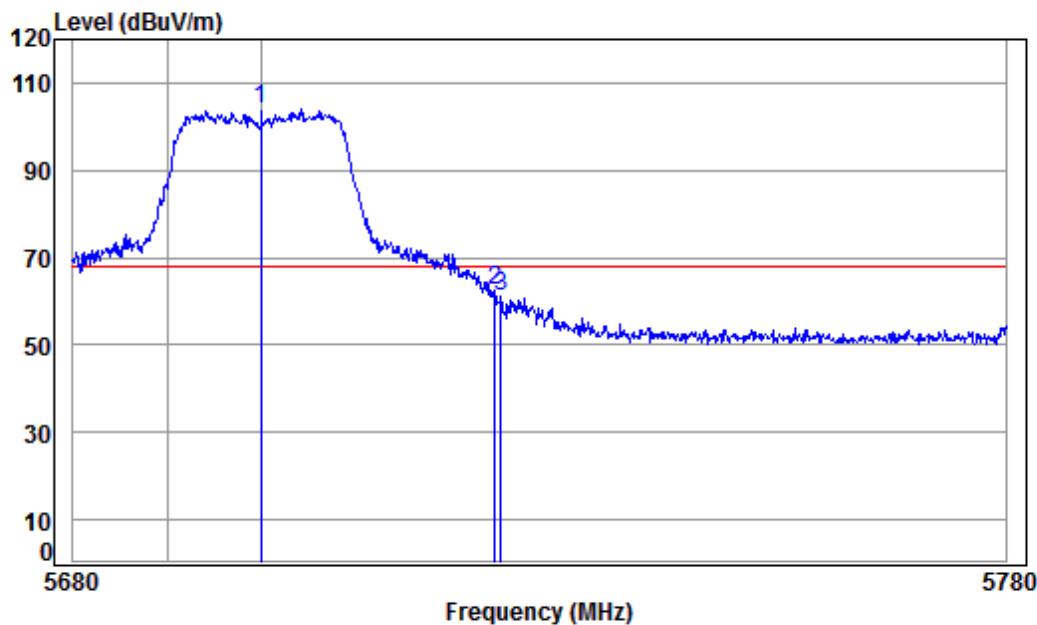
Job No : 02324CR

Mode : 5700 Band edge

Note : 5G WiFi 11AC 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5700.000	9.56	34.81	41.86	96.97	99.48	68.20	31.28 peak
2		5725.000	9.64	34.83	41.84	53.56	56.19	68.20	-12.01 peak
3		5725.883	9.65	34.83	41.84	52.69	55.33	68.20	-12.87 peak

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



Condition: 3m VERTICAL

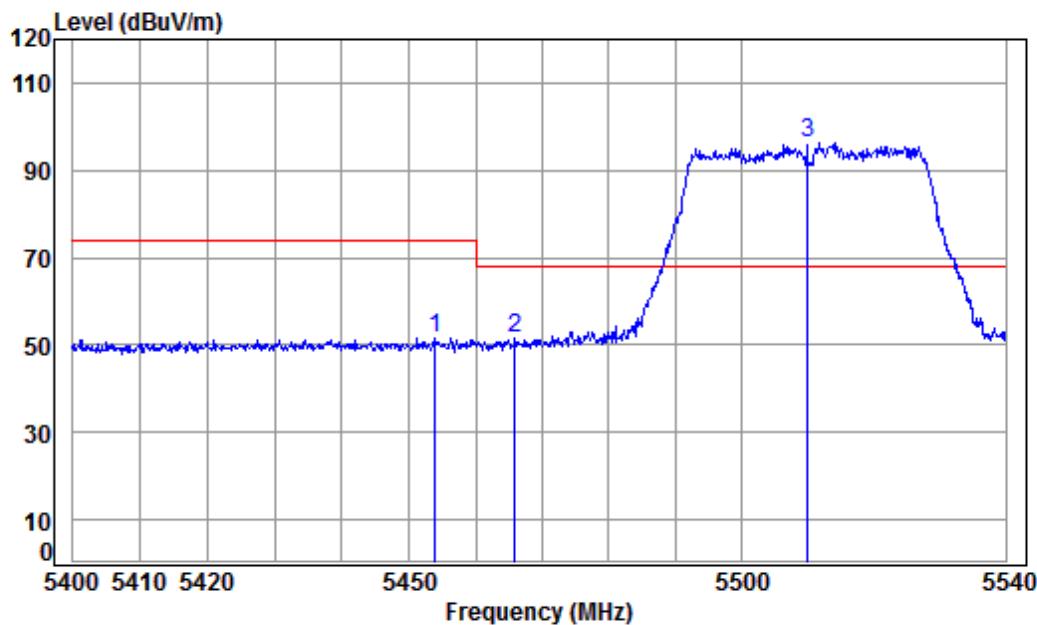
Job No : 02324CR

Mode : 5700 Band edge

Note : 5G WiFi 11AC 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5700.000	9.56	34.81	41.86	101.45	103.96	68.20	35.76 Peak
2		5725.000	9.64	34.83	41.84	59.84	62.47	68.20	-5.73 Peak
3		5725.684	9.64	34.83	41.84	58.40	61.03	68.20	-7.17 Peak

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



Condition: 3m HORIZONTAL

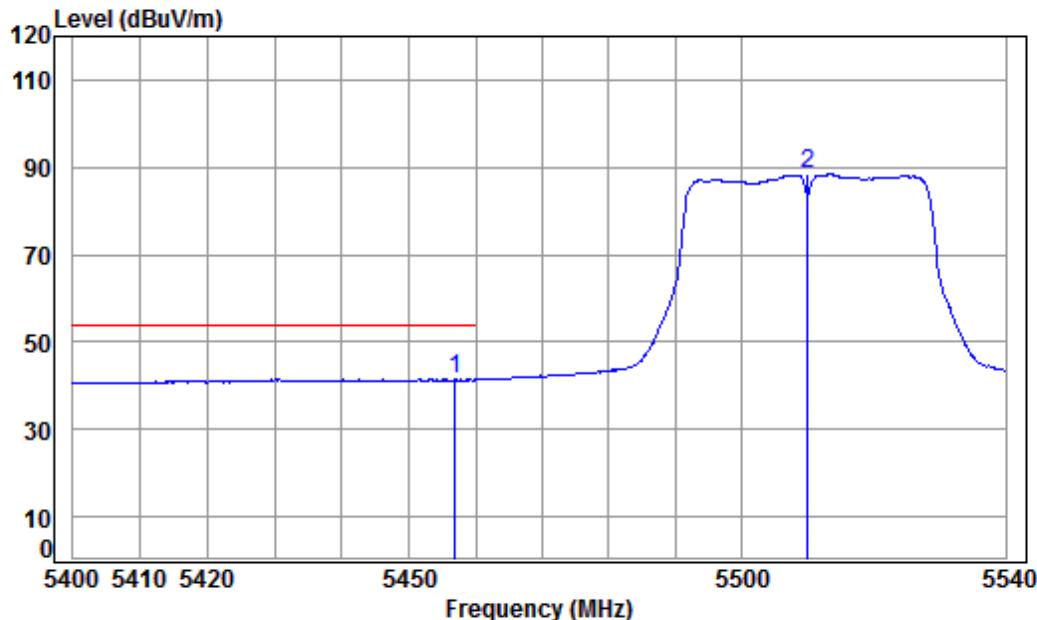
Job No : 02324CR

Mode : 5510 Band edge

Note : 5G WiFi 11AC 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1		5453.895	8.78	34.56	42.07	50.31	51.58	74.00	-22.42 peak
2		5465.914	8.80	34.57	42.06	50.28	51.59	68.20	-16.61 peak
3	pp	5510.000	8.89	34.61	42.02	94.70	96.18	68.20	27.98 peak

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



Condition: 3m HORIZONTAL

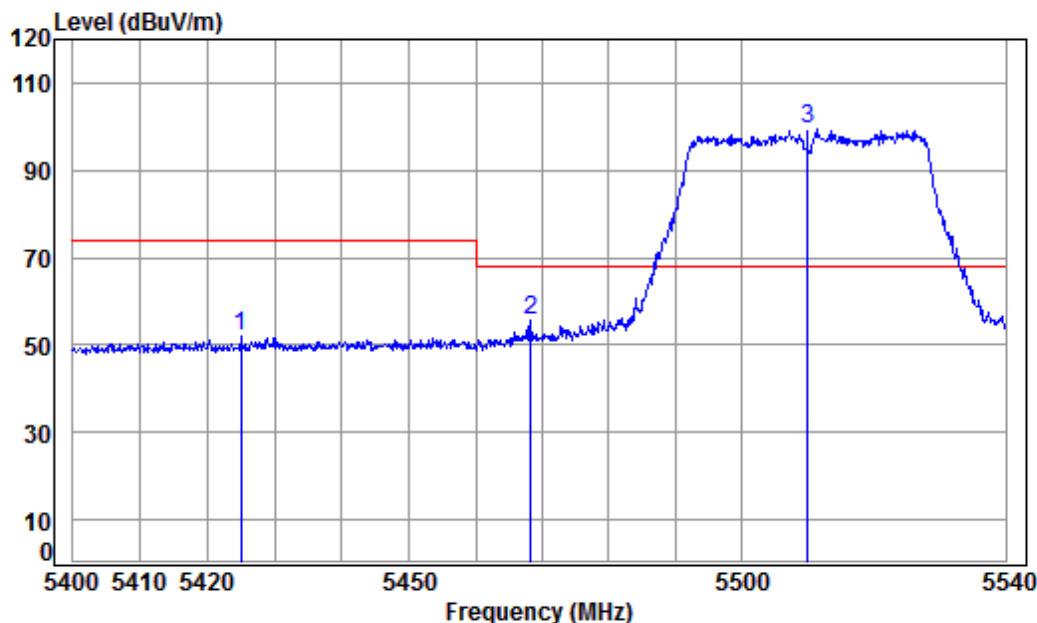
Job No : 02324CR

Mode : 5510 Band edge

Note : 5G WiFi 11AC 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5456.967	8.79	34.57	42.07	40.12	41.41	54.00	-12.59 Average
2		5510.000	8.89	34.61	42.02	86.98	88.46	-----	----- Average

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



Condition: 3m VERTICAL

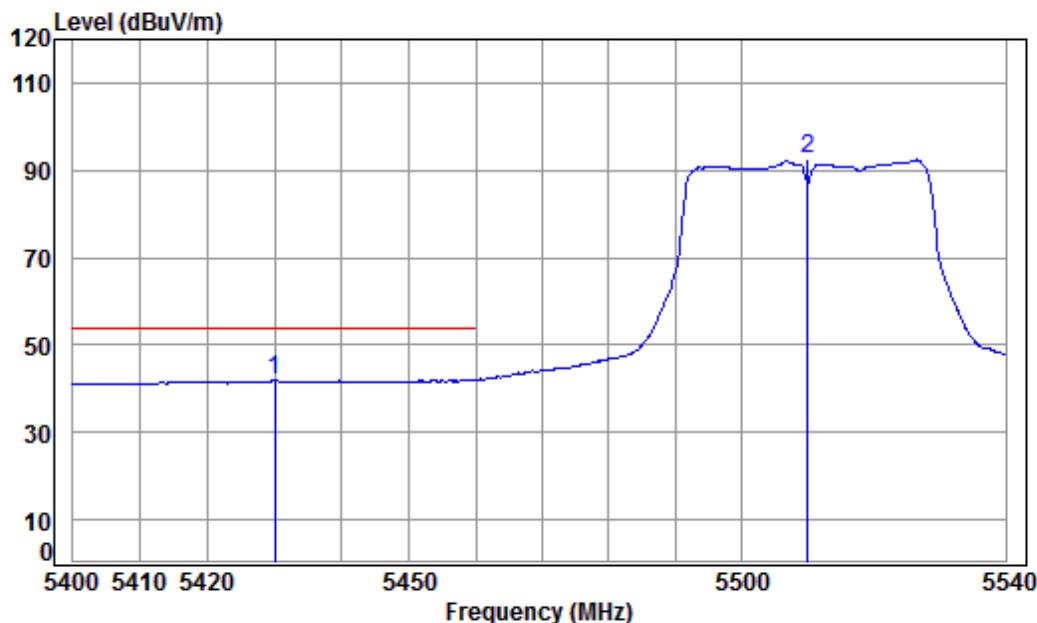
Job No : 02324CR

Mode : 5510 Band edge

Note : 5G WiFi 11AC 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5424.936	8.74	34.54	42.10	50.78	51.96	74.00	-22.04	Peak
2	5468.292	8.80	34.58	42.06	54.51	55.83	68.20	-12.37	peak
3 pp	5510.000	8.89	34.61	42.02	98.06	99.54	68.20	31.34	Peak

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



Condition: 3m VERTICAL

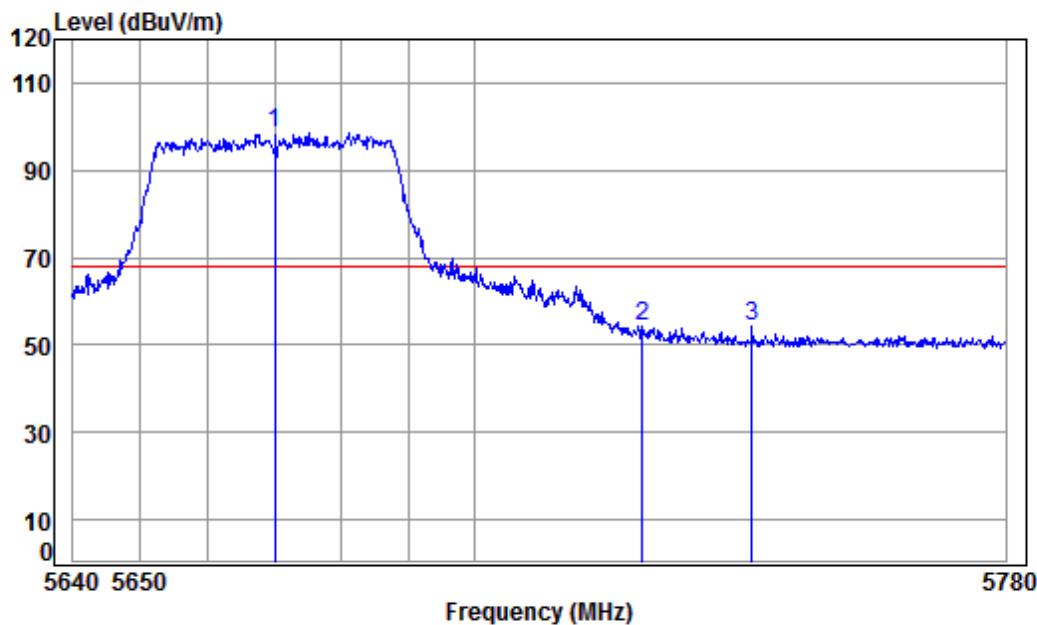
Job No : 02324CR

Mode : 5510 Band edge

Note : 5G WiFi 11AC 40

		Cable Freq	Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5429.938	8.75	34.55	42.10	40.93	42.13	54.00	-11.87	Average
2		5510.000	8.89	34.61	42.02	90.92	92.40	-----	-----	Average

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



Condition: 3m HORIZONTAL

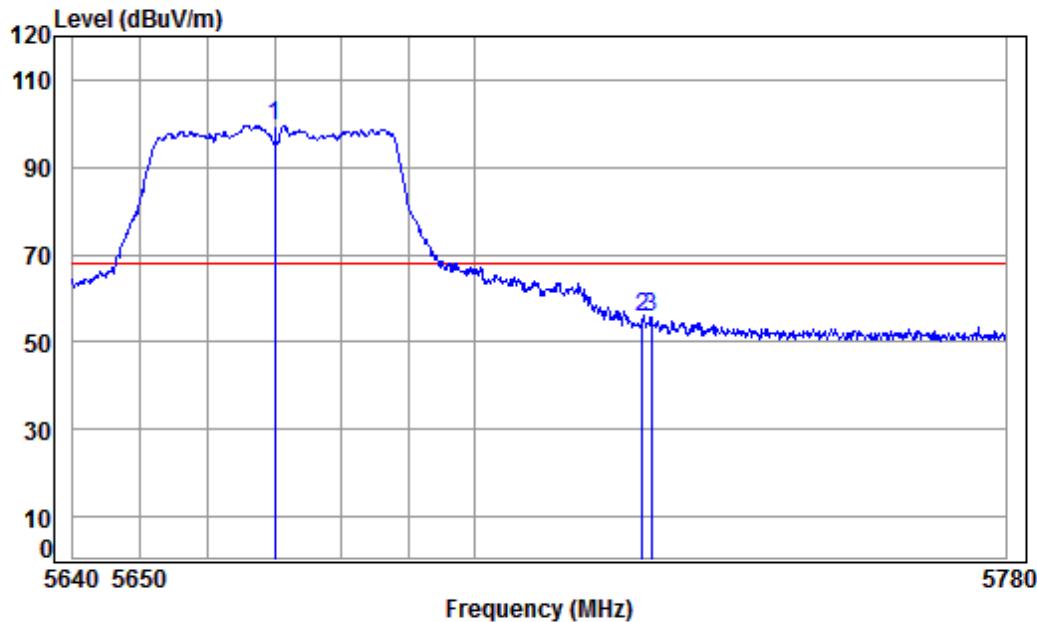
Job No : 02324CR

Mode : 5670 Band edge

Note : 5G WiFi 11AC 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5670.000	9.45	34.77	41.88	96.27	98.61	68.20	30.41 peak
2		5725.000	9.64	34.83	41.84	51.75	54.38	68.20	-13.82 peak
3		5741.580	9.70	34.85	41.82	51.59	54.32	68.20	-13.88 peak

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



Condition: 3m VERTICAL

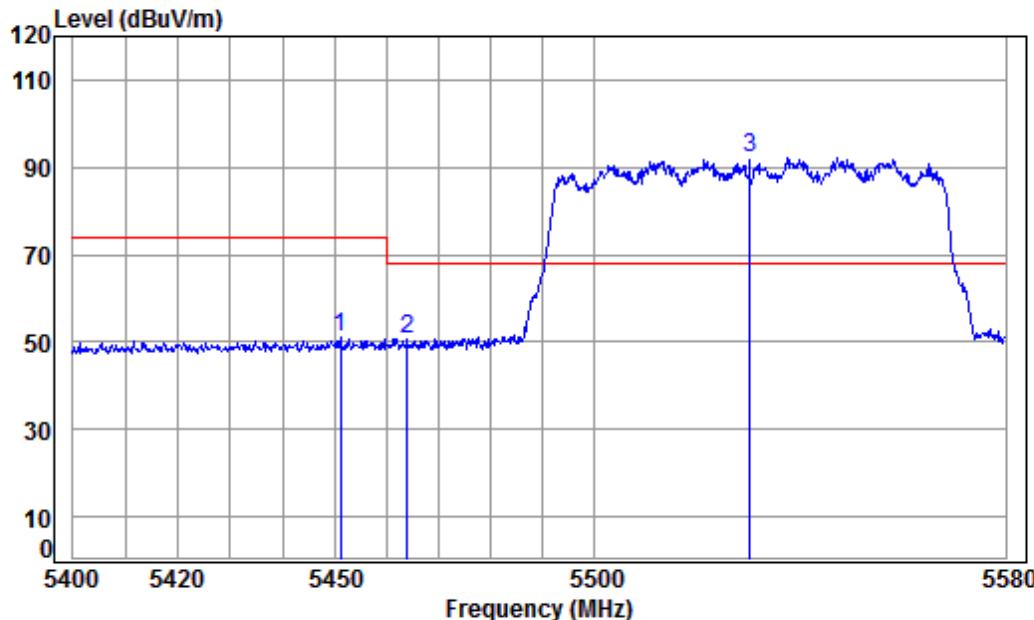
Job No : 02324CR

Mode : 5670 Band edge

Note : 5G WiFi 11AC 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5670.000	9.45	34.77	41.88	97.33	99.67	68.20	31.47 Peak
2		5725.000	9.64	34.83	41.84	52.95	55.58	68.20	-12.62 Peak
3		5726.395	9.65	34.83	41.84	53.11	55.75	68.20	-12.45 Peak

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



Condition: 3m HORIZONTAL

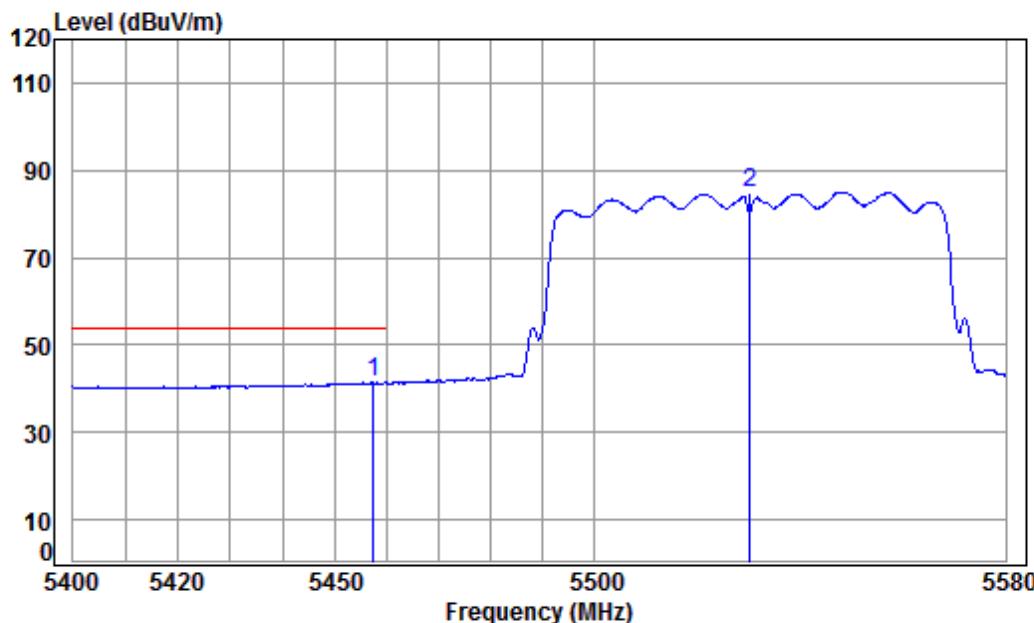
Job No : 02324CR

Mode : 5530 Band edge

Note : 5G WiFi 11AC 80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5451.058	8.78	34.56	42.08	50.07	51.33	74.00	-22.67	peak
2	5463.763	8.80	34.57	42.07	49.51	50.81	68.20	-17.39	peak
3 pp	5530.000	8.96	34.63	42.01	90.45	92.03	68.20	23.83	peak

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



Condition: 3m HORIZONTAL

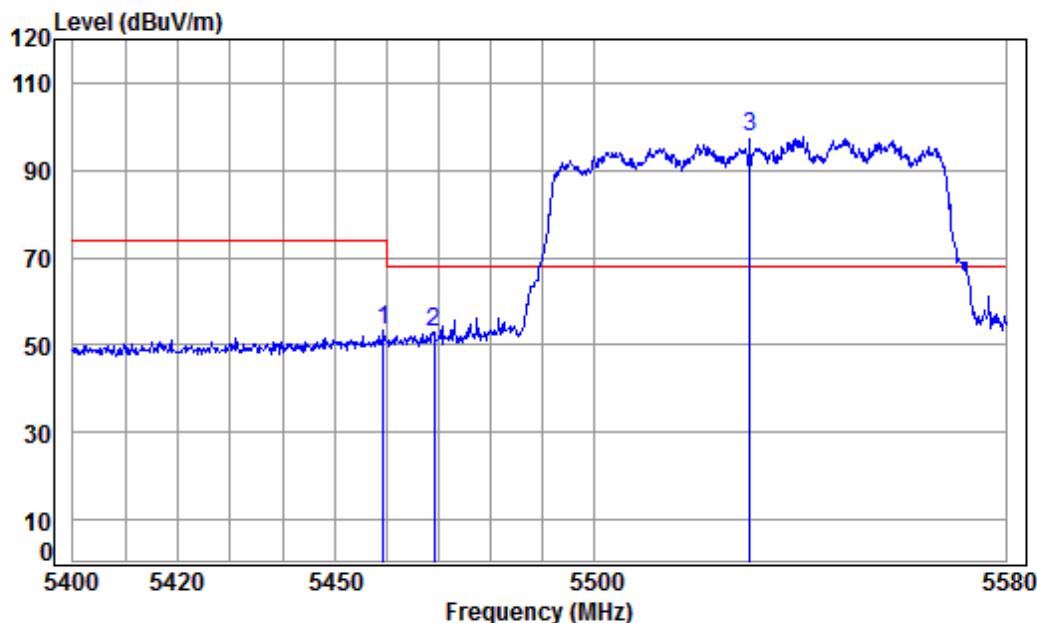
Job No : 02324CR

Mode : 5530 Band edge

Note : 5G WiFi 11AC 80

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5457.317	8.79	34.57	42.07	40.08	41.37	54.00	-12.63 Average
2	5530.000	8.96	34.63	42.01	83.46	85.04	-----	----- Average

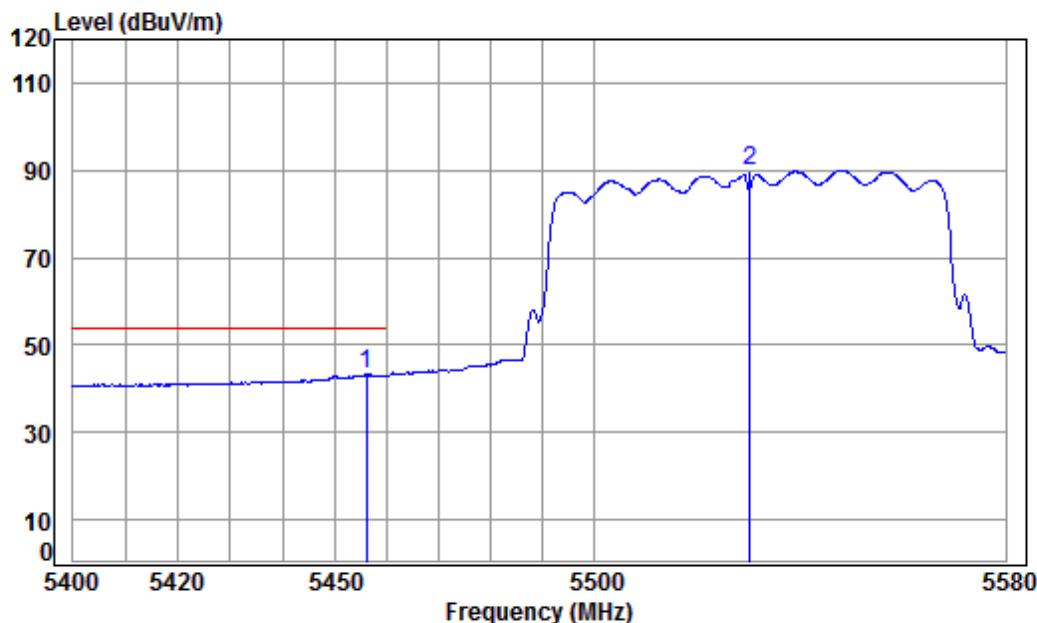
Mode:i; Polarization:Vertical; Modulation:802.11ac; bandwidth:80MHz; Channel:Low



Condition: 3m VERTICAL  
Job No : 02324CR  
Mode : 5530 Band edge  
Note : 5G WiFi 11AC 80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5459.286	8.79	34.57	42.07	51.95	53.24	74.00	-20.76	Peak
2	5468.961	8.80	34.58	42.06	51.43	52.75	68.20	-15.45	peak
3 pp	5530.000	8.96	34.63	42.01	95.93	97.51	68.20	29.31	Peak

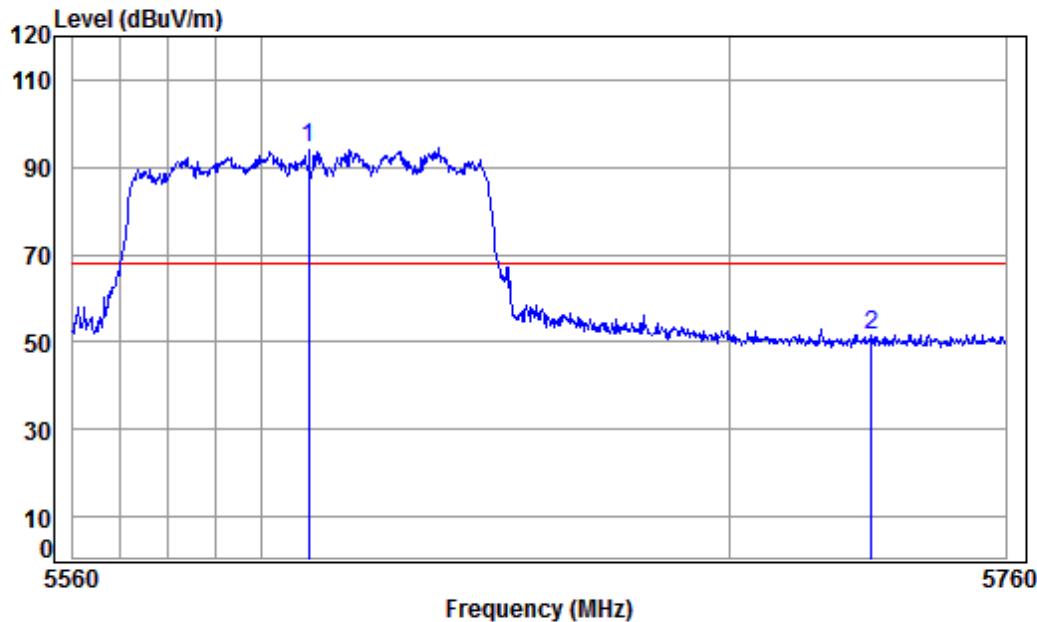
Mode:i; Polarization:Vertical; Modulation:802.11ac; bandwidth:80MHz; Channel:Low



Condition: 3m VERTICAL  
Job No : 02324CR  
Mode : 5530 Band edge  
Note : 5G WiFi 11AC 80

		Cable Freq	Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5456.064	8.79	34.57	42.07	41.91	43.20	54.00	-10.80	Average
2		5530.000	8.96	34.63	42.01	88.50	90.08	-----	-----	Average

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



Condition: 3m HORIZONTAL

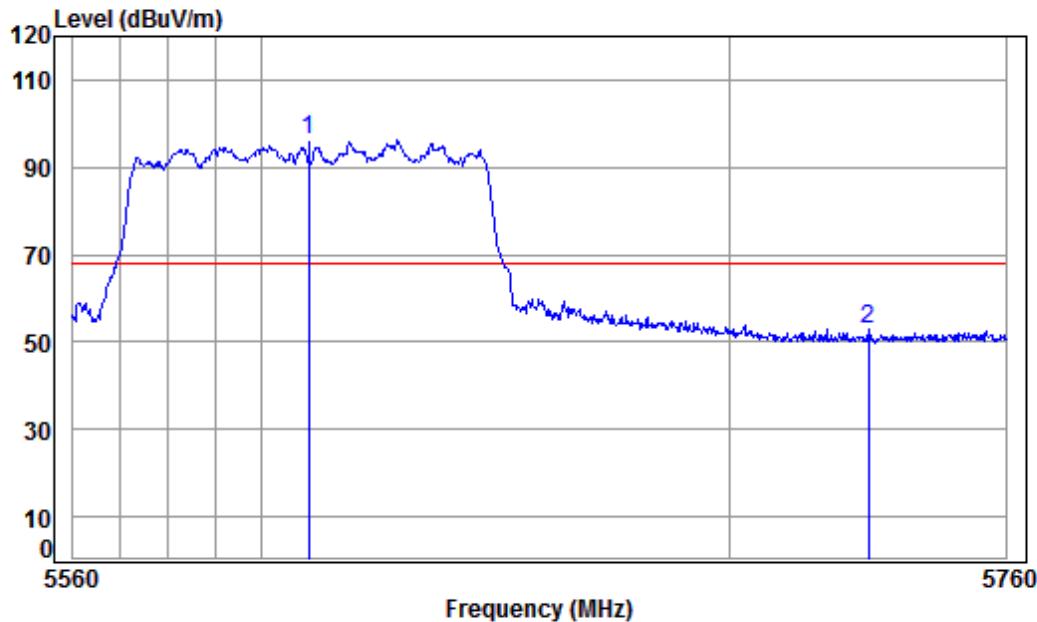
Job No : 02324CR

Mode : 5610 Band edge

Note : 5G WiFi 11AC 80

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5610.000	9.24	34.71	41.94	92.37	94.38	68.20	26.18 peak
2		5730.763	9.66	34.84	41.83	49.11	51.78	68.20	-16.42 peak

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



Condition: 3m VERTICAL

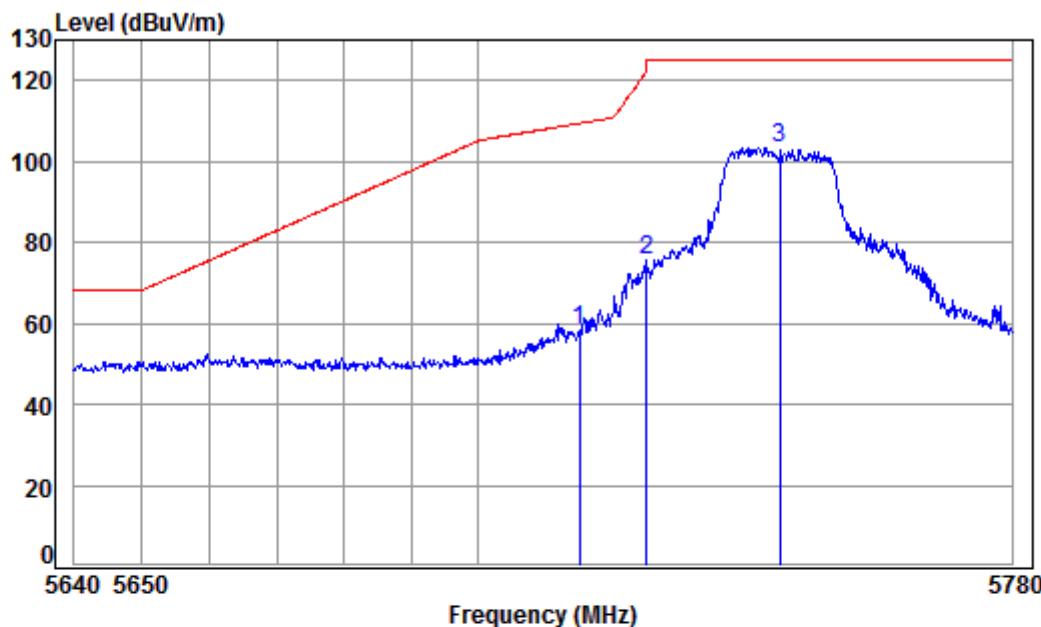
Job No : 02324CR

Mode : 5610 Band edge

Note : 5G WiFi 11AC 80

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5610.000	9.24	34.71	41.94	94.08	96.09	68.20	27.89 Peak
2		5730.155	9.66	34.84	41.83	50.25	52.92	68.20	-15.28 Peak

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



Condition: 3m HORIZONTAL

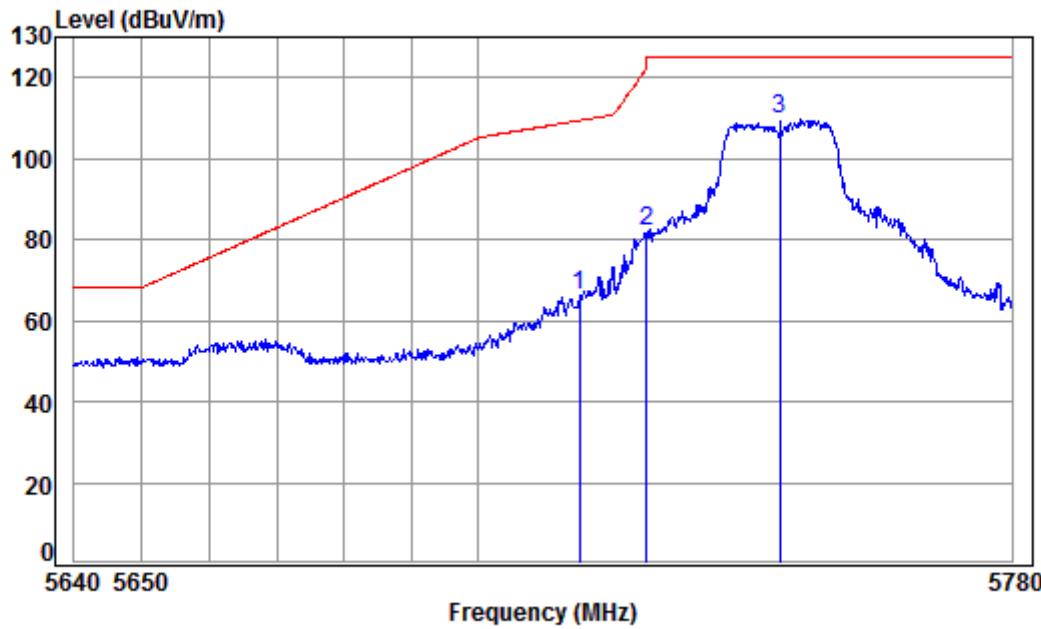
Job No : 02324CR

Mode : 5745 Band edge

Note : 5G WiFi 11A 20

		Cable Freq	Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	9.61	34.82	41.85	55.61	58.19	109.40	-51.21	peak	
2	5725.000	9.64	34.83	41.84	72.79	75.42	122.20	-46.78	peak	
3 pp	5745.000	9.71	34.85	41.82	100.44	103.18	125.20	-22.02	peak	

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



Condition: 3m VERTICAL

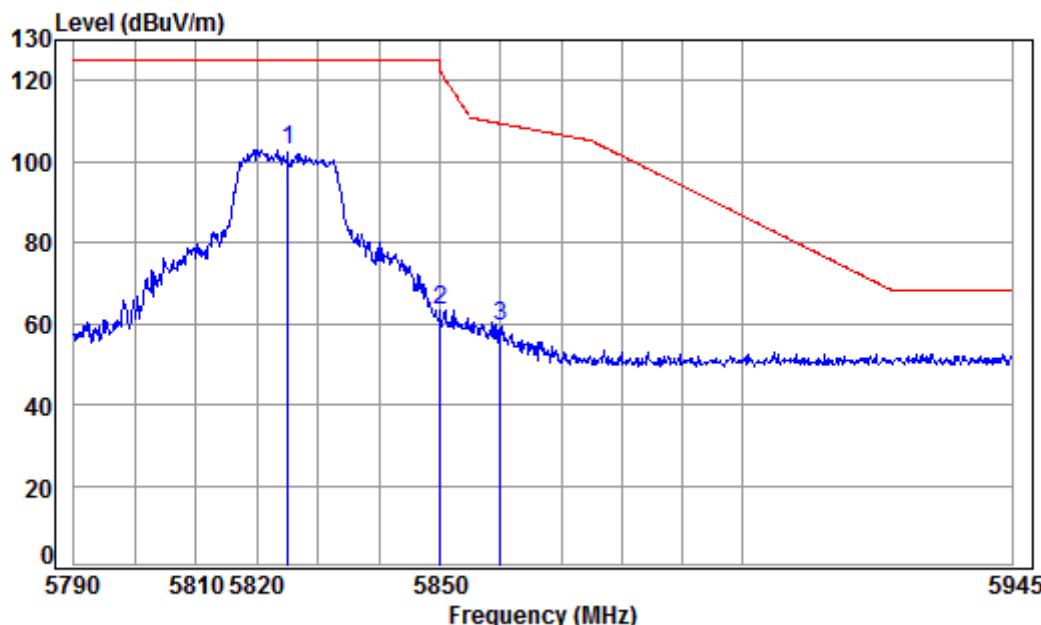
Job No : 02324CR

Mode : 5745 Band edge

Note : 5G WiFi 11A 20

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	9.61	34.82	41.85	63.77	66.35	109.40	-43.05 peak
2	5725.000	9.64	34.83	41.84	79.35	81.98	122.20	-40.22 peak
3 pp	5745.000	9.71	34.85	41.82	106.89	109.63	125.20	-15.57 peak

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



Condition: 3m HORIZONTAL

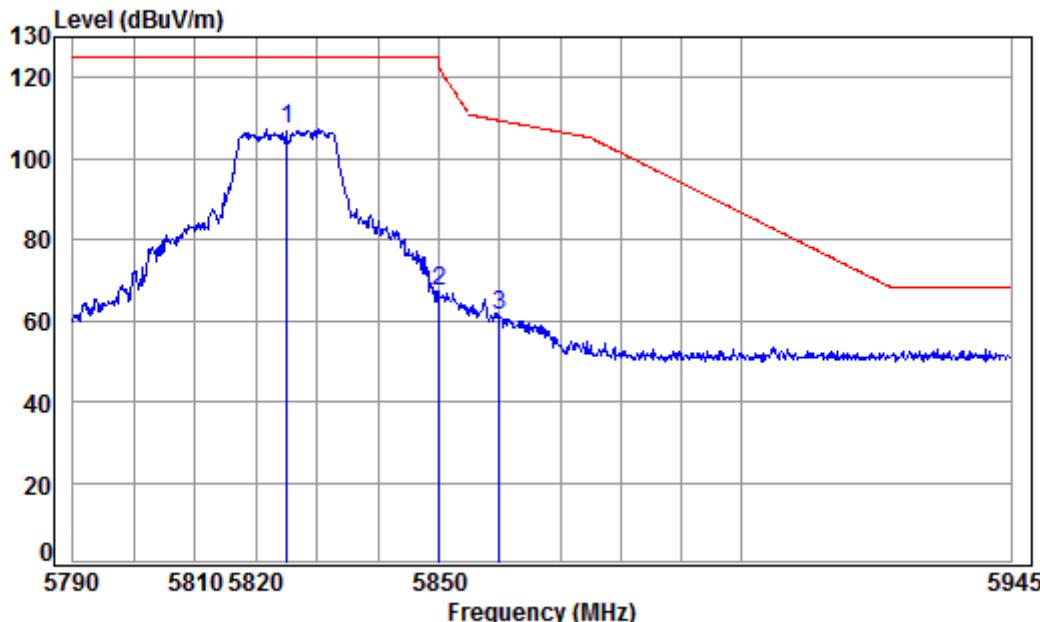
Job No : 02324CR

Mode : 5825 Band edge

Note : 5G WiFi 11A 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5825.000	9.98	34.93	41.75	99.89	103.05	125.20	-22.15 peak
2		5850.000	10.07	34.95	41.73	60.17	63.46	122.20	-58.74 peak
3		5860.000	10.10	34.96	41.72	56.17	59.51	109.40	-49.89 peak

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



Condition: 3m VERTICAL

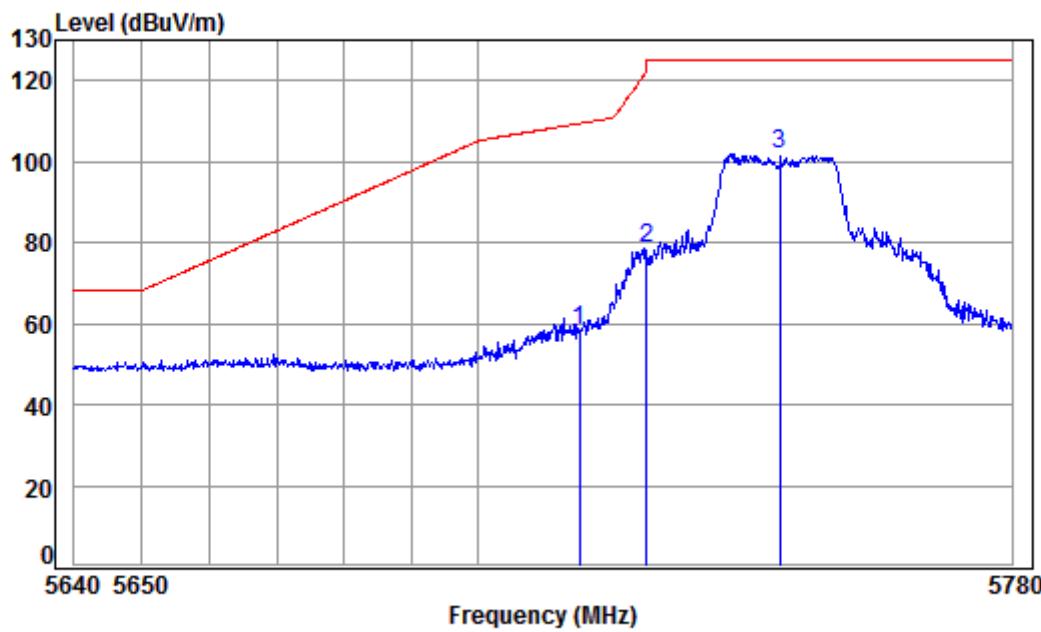
Job No : 02324CR

Mode : 5825 Band edge

Note : 5G WiFi 11A 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5825.000	9.98	34.93	41.75	104.07	107.23	125.20	-17.97 peak
2		5850.000	10.07	34.95	41.73	63.82	67.11	122.20	-55.09 peak
3		5860.000	10.10	34.96	41.72	57.87	61.21	109.40	-48.19 peak

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



Condition: 3m HORIZONTAL

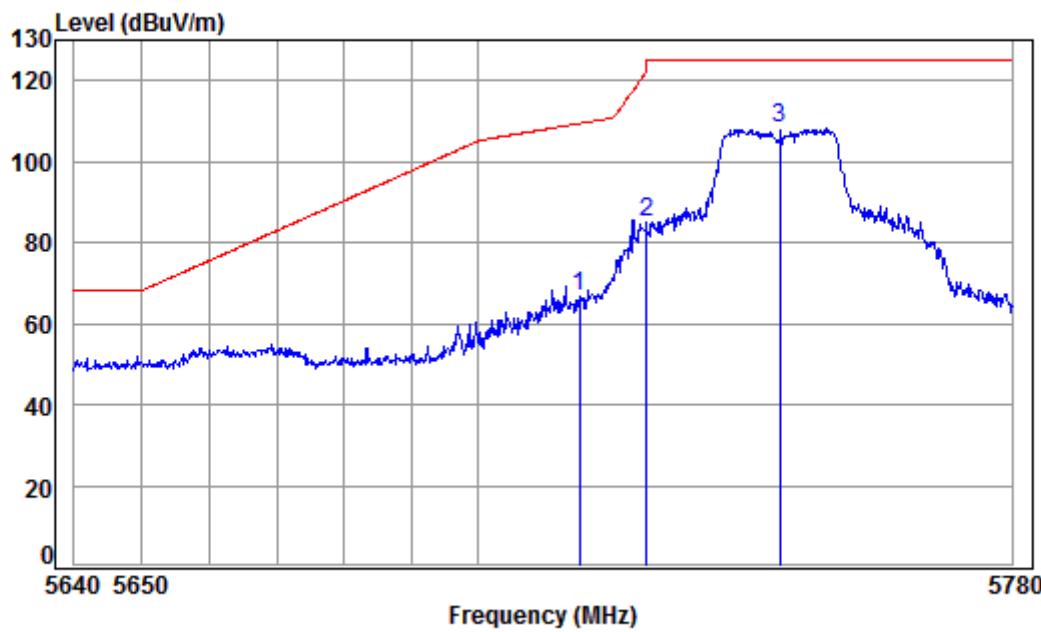
Job No : 02324CR

Mode : 5745 Band edge

Note : 5G WiFi 11N 20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	9.61	34.82	41.85	55.95	58.53	109.40	-50.87	peak
2	5725.000	9.64	34.83	41.84	75.86	78.49	122.20	-43.71	peak
3 pp	5745.000	9.71	34.85	41.82	99.14	101.88	125.20	-23.32	peak

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



Condition: 3m VERTICAL

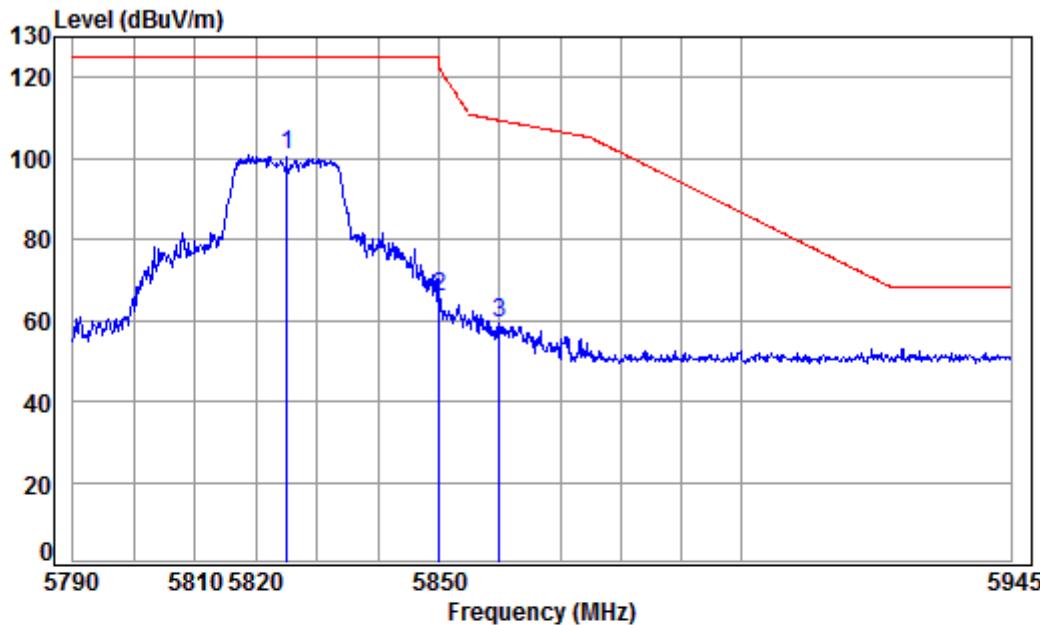
Job No : 02324CR

Mode : 5745 Band edge

Note : 5G WiFi 11N 20

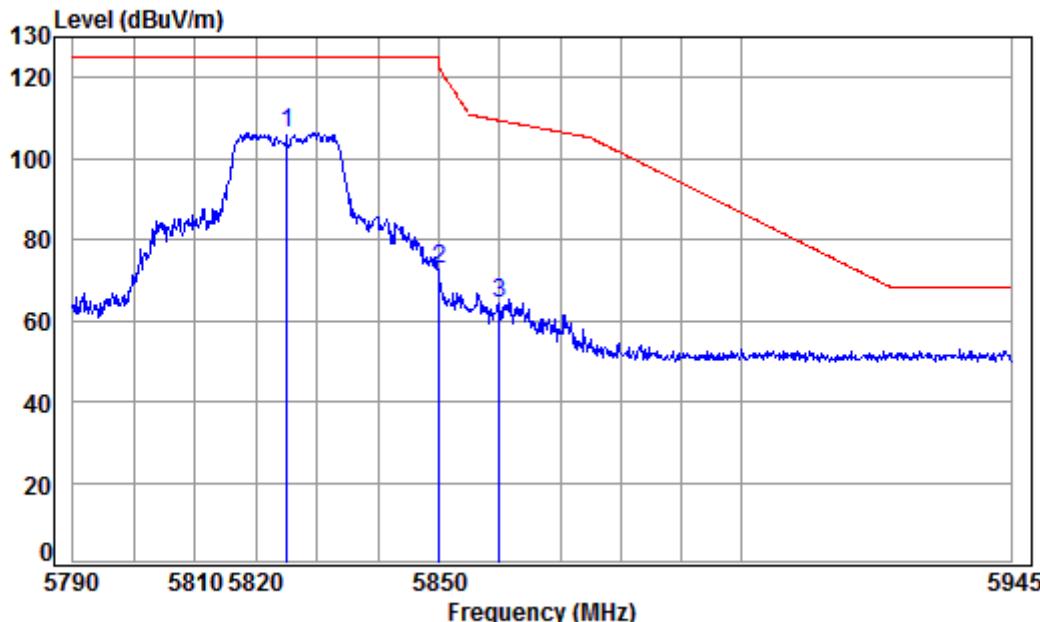
		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	9.61	34.82	41.85	64.04	66.62	109.40	-42.78	peak
2	5725.000	9.64	34.83	41.84	82.53	85.16	122.20	-37.04	peak
3 pp	5745.000	9.71	34.85	41.82	105.30	108.04	125.20	-17.16	peak

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



		Cable Freq	Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	dB	
1	pp	5825.000	9.98	34.93	41.75	97.45	100.61	125.20	-24.59	peak	
2		5850.000	10.07	34.95	41.73	62.55	65.84	122.20	-56.36	peak	
3		5860.000	10.10	34.96	41.72	56.10	59.44	109.40	-49.96	peak	

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



Condition: 3m VERTICAL

Job No : 02324CR

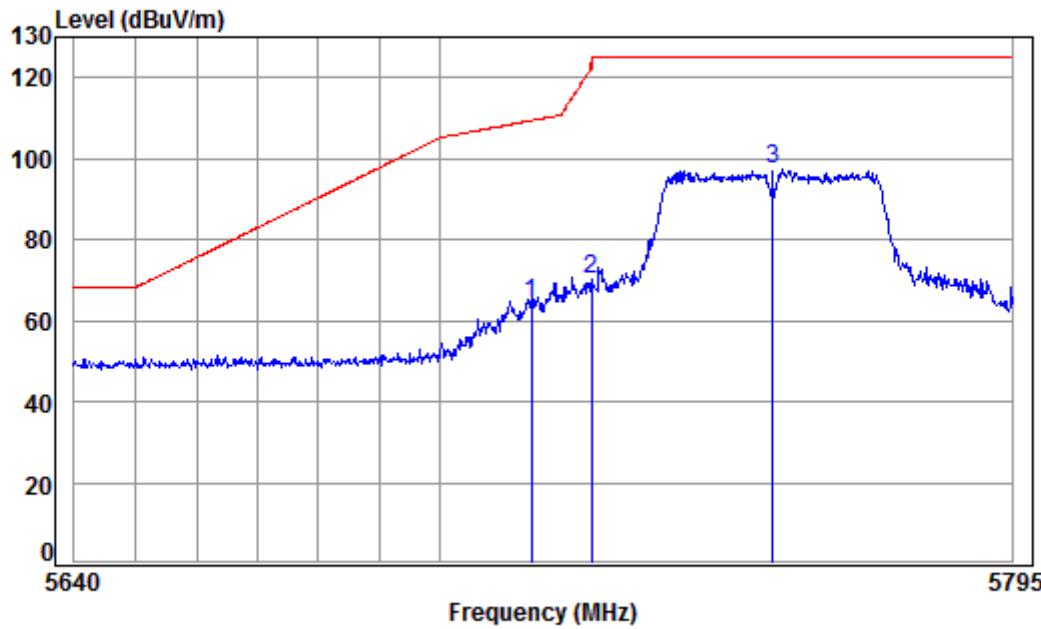
Mode : 5825 Band edge

Note : 5G WiFi 11N 20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit

1	pp	5825.000	9.98	34.93	41.75	103.09	106.25	125.20	-18.95	peak
2		5850.000	10.07	34.95	41.73	69.21	72.50	122.20	-49.70	peak
3		5860.000	10.10	34.96	41.72	60.85	64.19	109.40	-45.21	peak

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



Condition: 3m HORIZONTAL

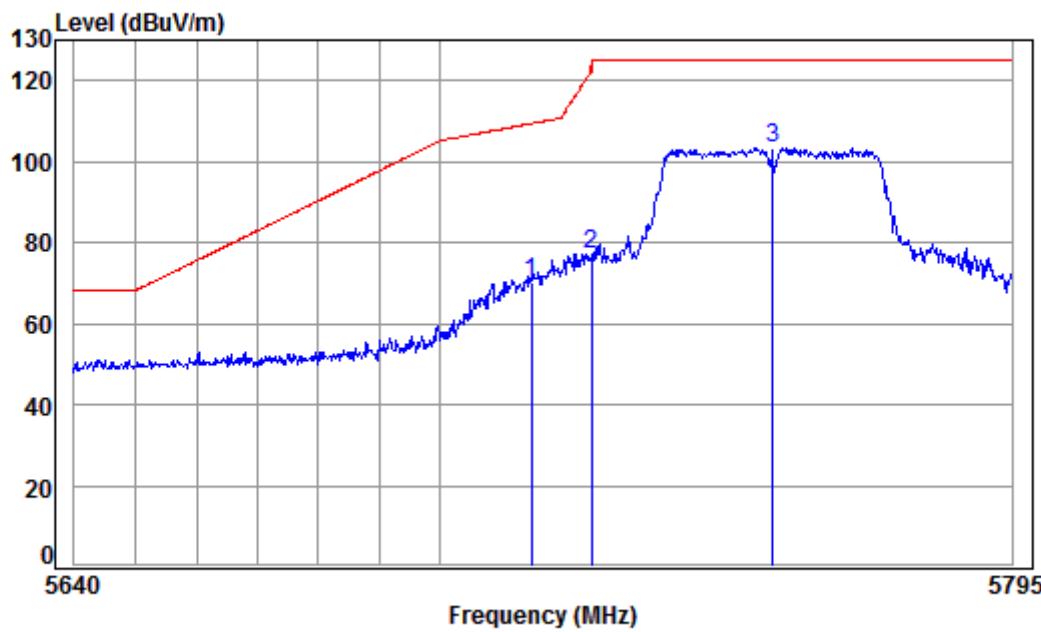
Job No : 02324CR

Mode : 5755 Band edge

Note : 5G WiFi 11N 40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	9.61	34.82	41.85	61.83	64.41	109.40	-44.99 peak
2	5725.000	9.64	34.83	41.84	67.60	70.23	122.20	-51.97 peak
3 pp	5755.000	9.75	34.86	41.81	94.70	97.50	125.20	-27.70 peak

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



Condition: 3m VERTICAL

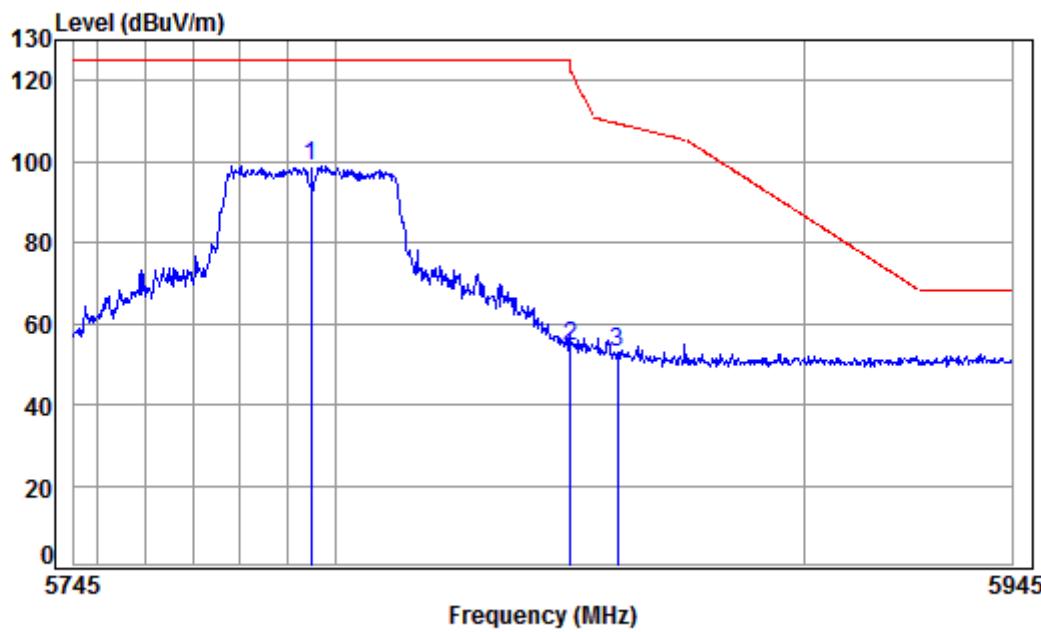
Job No : 02324CR

Mode : 5755 Band edge

Note : 5G WiFi 11N 40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Line dBuV/m	Over Limit dB	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.000	9.61	34.82	41.85	67.68	70.26	109.40	-39.14	peak
2	5725.000	9.64	34.83	41.84	74.30	76.93	122.20	-45.27	peak
3 pp	5755.000	9.75	34.86	41.81	100.65	103.45	125.20	-21.75	peak

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



Condition: 3m HORIZONTAL

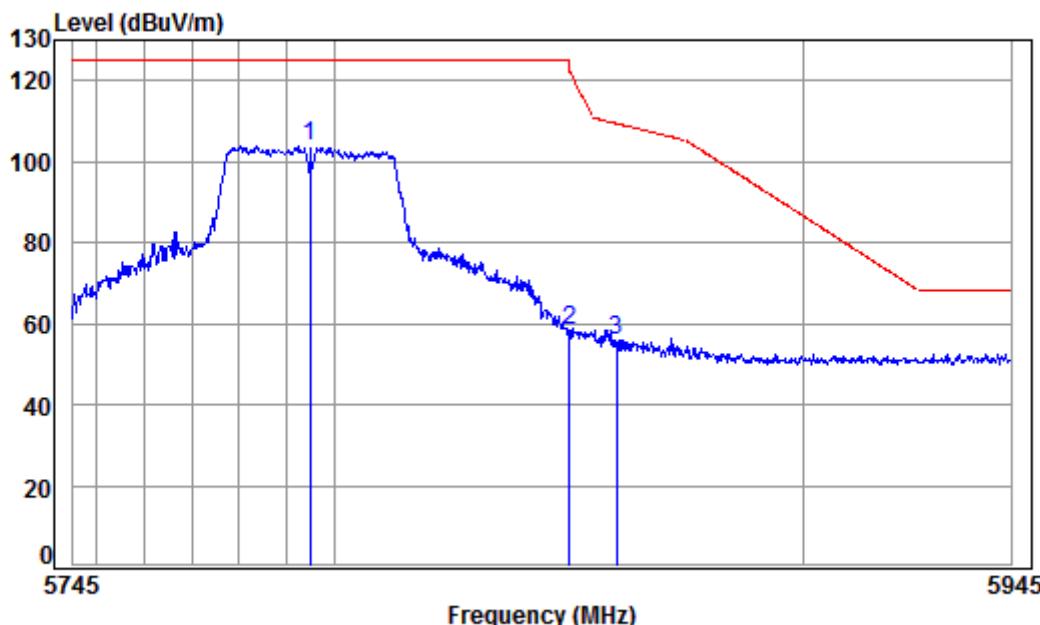
Job No : 02324CR

Mode : 5795 Band edge

Note : 5G WiFi 11N 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5795.000	9.88	34.90	41.78	95.91	98.91	125.20	-26.29 peak
2		5850.000	10.07	34.95	41.73	51.09	54.38	122.20	-67.82 peak
3		5860.000	10.10	34.96	41.72	49.52	52.86	109.40	-56.54 peak

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



Condition: 3m VERTICAL

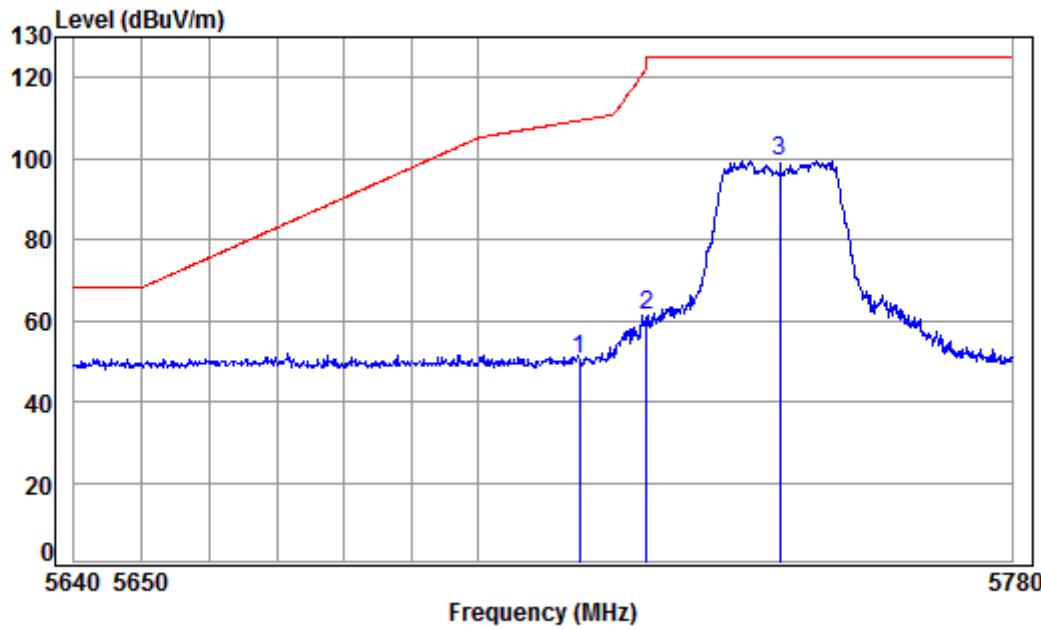
Job No : 02324CR

Mode : 5795 Band edge

Note : 5G WiFi 11N 40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Over Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5795.000	9.88	34.90	41.78	100.60	103.60	125.20	-21.60 peak
2		5850.000	10.07	34.95	41.73	55.23	58.52	122.20	-63.68 peak
3		5860.000	10.10	34.96	41.72	52.66	56.00	109.40	-53.40 peak

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



		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5715.000	9.61	34.82	41.85	47.67	50.25	109.40	-59.15	peak
2	5725.000	9.64	34.83	41.84	58.59	61.22	122.20	-60.98	peak
3 pp	5745.000	9.71	34.85	41.82	96.80	99.54	125.20	-25.66	peak