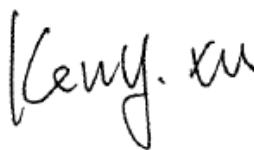


**TEST REPORT**

**Application No.:** SZCR2504001296AT  
**Applicant:** Shenzhen Creality 3D Technology Co., Ltd.  
**Address of Applicant:** 18F, JinXiuHongDu Building, Meilong Blvd., Longhua Dist., Shenzhen, 518131 China  
**Manufacturer:** Shenzhen Creality 3D Technology Co., Ltd.  
**Address of Manufacturer:** 18F, JinXiuHongDu Building, Meilong Blvd., Longhua Dist., Shenzhen, 518131 China  
**Factory:** Orbbec (Shunde, Guangdong) Technology Co., Ltd.  
**Address of Factory:** 81 Hehefang, Jielong Road, Shunde District, Foshan City, 528300 Guangdong P.R. China  
**Equipment Under Test (EUT):**  
**EUT Name:** Creality Otter Lite  
**Model No.:** CRS10COL  
**Trade Mark:** Creality Otter Lite, Lite Bridge  
**FCC ID:** 2AXH6-CRS10COL  
**Standard(s) :** 47 CFR Part 15, Subpart E 15.407  
**Date of Receipt:** 2025-04-03  
**Date of Test:** 2025-04-08 to 2025-04-17  
**Date of Issue:** 2025-04-23

<b>Test Result:</b>	<b>Pass*</b>
---------------------	--------------

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



Keny Xu

EMC Laboratory Manager



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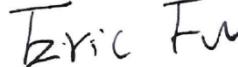
**SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch**

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250400129602

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<b>Revision Record</b>				
<b>Version</b>	<b>Chapter</b>	<b>Date</b>	<b>Modifier</b>	<b>Remark</b>
01		2025-04-23		Original

<b>Authorized for issue by:</b>			
		Bill Chen/Project Engineer	
		Eric Fu/Reviewer	

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## 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		N/A	47 CFR Part 15, Subpart E 15.407 (c)	Pass

<b>Radio Spectrum Matter Part</b>				
<b>Item</b>	<b>Standard</b>	<b>Method</b>	<b>Requirement</b>	<b>Result</b>
Maximum Conducted output power	47 CFR Part 15, Subpart E 15.407	ANSI C63.10 (2013) Section 12.3	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Radiated Emissions (Below 1GHz)		ANSI C63.10 (2013) Section 6.4,6.5	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Radiated Emissions (Above 1GHz)		ANSI C63.10 (2013) Section 6.6	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Radiated Emissions which fall in the restricted bands		ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Duty Cycle		ANSI C63.10 (2013) Section 12.2	ANSI C63.10 (2013) Section 12.2	Pass
99% Bandwidth		ANSI C63.10 (2013) Section 12.4.2	ANSI C63.10 (2013) Section 12.4.2	Pass
26dB Emission bandwidth		ANSI C63.10 (2013) Section 12.4.1	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Minimum 6 dB bandwidth (5.725-5.85 GHz band )		ANSI C63.10 (2013) Section 6.9.2	47 CFR Part 15, Subpart E 15.407 (e)	Pass
Peak Power spectrum density		ANSI C63.10 (2013) Section 12.5	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Frequency Stability		ANSI C63.10 (2013) Section 6.8	47 CFR Part 15, Subpart E 15.407 (g)	Pass

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**4 General Information****4.1 Details of E.U.T.**

Power supply:	Input:DC5V/3A,9V/2A,12V/1.5A,15V/1.3A,20V/1A Output:12V/2A Rechargeable battery:DC 7.3V 3400mAh 24.82Wh (Charging by Type C cable)
Cable(s):	Type C cable:145cm shielded USB cable:200cm shielded
RF cable(Provided by the customer):	0.5dB
Operation Frequency/Number of channels (20MHz):	5180-5240MHz (4 Channels); U-NII-2A: 5260-5320MHz (4 Channels); U-NII-2C: 5500-5700MHz (11 Channels); U-NII-3: 5745-5825MHz (5 Channels)
Operation Frequency/Number of channels/(40MHz):	5190-5230MHz (2 Channels); U-NII-2A: 5270-5310MHz (2 Channels); U-NII-2C: 5510-5670MHz (5 Channels); U-NII-3: 5755-5795MHz (2 Channels)
Operation Frequency/Number of channels (80MHz):	5210MHz (1 Channel); U-NII-2A: 5290MHz (1 Channels); U-NII-2C: 5530-5610MHz (2 Channels); U-NII-3: 5775MHz (1 Channel)
Operation Frequency / Number of channels (160MHz):	U-NII-1: 5250MHz (1 Channel); U-NII-2A: 5290MHz (1 Channel); U-NII-2C: 5570MHz (1 Channel)
Modulation Type:	OFDM (64QAM, 16QAM, QPSK, BPSK); 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM); 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM); 802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024-QAM)
Channel Spacing:	802.11a/n/ac/ax 20: 20MHz; 802.11n/ac/ax 40: 40MHz; 802.11ac/ax 80: 80MHz; 802.11ac/ax 160: 160MHz
DFS Function:	Master
TPC Function:	Support TPC function
Antenna Type:	Monopole Antenna
Antenna Gain:	Antenna 1:1.3dBi Antenna 2:1.5dBi

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**4.2 Description of Support Units**

Description	Manufacturer	Model No.	Serial No.
Adapter	HONOR	HN-200500CP0	REF. No. SEA05R03H
Laptop	Lenovo	T430u	REF. No. SEA18B00

**4.3 Measurement Uncertainty**

Test Item	Measurement Uncertainty
Maximum Conducted output power	± 0.75dB
Radiated Emissions (Below 1GHz)	± 6.0dB for 3m; ± 5.0dB for 10m
Radiated Emissions (Above 1GHz)	± 4.6dB (1-18GHz);± 4.8dB (18-40GHz)
Radiated Emissions which fall in the restricted bands	± 6.0dB (below 1GHz); ± 4.6dB (above 1GHz);
Duty Cycle	± 0.37%
99% Bandwidth	± 3%
26dB Emission bandwidth	± 3%
Minimum 6 dB bandwidth (5.725-5.85 GHz band )	± 3%
Peak Power spectrum density	± 2.84dB
Frequency Stability	± 7.25 x 10-8
Nominal Channel Bandwidth and Occupied Channel Bandwidth	± 3%

Remark:

The  $U_{lab}$  (lab Uncertainty) is less than  $U_{cispr/ETSI}$  (CISPR/ETSI Uncertainty), so the test results

- compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.

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#### 4.4 Test Location

All tests were performed at:

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

No tests were sub-contracted.

#### 4.5 Test Facility

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

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

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

- **VCCI (Member No. 1937)**

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.

Shenzhen EMC laboratory 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: CN1336**

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

Designation Number: CN1336. Test Firm Registration Number: 787754.

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

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

CAB identifier: CN0006.

IC#: 4620C.

#### 4.6 Deviation from Standards

None

#### 4.7 Abnormalities from Standard Conditions

None

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## 5 Equipment List

Maximum Conducted output power					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Power Sensor	TST PASS	TSPS2023R	SEM009-26	2025-03-04	2026-03-03
Power Sensor	KEYSIGHT	U2021XA	SEM009-16	2025-03-04	2026-03-03
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2024-08-14	2025-08-13
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2025-03-04	2026-03-03
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2024-09-14	2025-09-13
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2024-07-06	2025-07-05
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2025-03-03	2026-03-02
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2025-02-26	2026-02-25

Radiated Emissions (Below 1GHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Loop Antenna	ETS-Lindgren	6502	SEM003-08	2023-11-20	2025-11-19
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2023-06-19	2026-06-18
MXE EMI Receiver	Agilent Technologies	N9038A	SEM004-15	2024-08-14	2025-08-13
BiConiLog Antenna	ETS-LINDGREN	3142C	SEM003-01	2023-09-16	2025-09-15
Pre-Amplifier	Agilent Technologies	8447D	SEM005-01	2025-03-04	2026-03-03
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2024-07-06	2025-07-05

Radiated Emissions (Above 1GHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Signal & Spectrum Analyzer	Rohde & Schwarz	FSV	SZ-WRG-M-048	2025-01-07	2026-01-06
Low Noise Amplifier 1G-18GHz	Tonscend	TAP01018050	SZ-WRG-M-051	2025-01-07	2026-01-06
Low Noise Amplifier 18G-40GHz	Tonscend	TAP18040048	SZ-WRG-M-052	2025-01-08	2026-01-07
Double Ridge Horn Antenna 1GHz-18GHz	SCHWARZBECK	BBHA 9120 D	SZ-WRG-M-055	2023-12-21	2025-12-20
SHF-EHF Horn 15GHz-40GHz	SCHWARZBECK	BBHA 9170	SZ-WRG-M-056	2023-12-25	2025-12-24



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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250400129602

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RSE Test Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Chamber	CRTSGSSAC966	N/A	SZ-WRG-C-063	2025-01-06	2028-01-05
Humidity and Temperature Indicator	deli	8838	SEM002-46	2024-07-24	2025-07-23

## Radiated Emissions which fall in the restricted bands

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Signal & Spectrum Analyzer	Rohde & Schwarz	FSV	SZ-WRG-M-048	2025-01-07	2026-01-06
Low Noise Amplifier 30M-8GHz	Tonscend	TAP30M8G30	SZ-WRG-M-050	2025-01-07	2026-01-06
Double Ridge Horn Antenna 1GHz-18GHz	SCHWARZBECK	BBHA 9120 D	SZ-WRG-M-055	2023-12-21	2025-12-20
SHF-EHF Horn 15GHz-40GHz	SCHWARZBECK	BBHA 9170	SZ-WRG-M-056	2023-12-25	2025-12-24
RSE Test Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Chamber	CRTSGSSAC966	N/A	SZ-WRG-C-063	2025-01-06	2028-01-05
Humidity and Temperature Indicator	deli	8838	SEM002-46	2024-07-24	2025-07-23

## RF Conducted Test

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2024-08-14	2025-08-13
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2025-03-04	2026-03-03
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2024-09-14	2025-09-13
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2024-07-06	2025-07-05
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2025-03-03	2026-03-02
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2025-02-26	2026-02-25

## General used equipment

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	deli	8838	SEM002-32	2024-07-24	2025-07-23
Humidity/ Temperature	deli	8838	SEM002-33	2024-07-24	2025-07-23

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Indicator					
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2025-03-03	2026-03-02

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## 6 Radio Spectrum Technical Requirement

### 6.1 Antenna Requirement

#### 6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

##### 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, 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.

##### 15.247(b) (4) requirement:

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

##### EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is Antenna 1:1.3dBi Antenna 2:1.5dBi

Antenna location: Refer to internal photo.



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## 6.2 Transmission in the Absence of Data

### 6.2.1 Test Requirement:

47 CFR Part 15, Subpart E 15.407 (c)

### 6.2.2 Conclusion

Standard Requirement:

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

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

EUT Details: Wi-Fi chip support automatically discontinue transmission in case of either absence of information to transmit or operational failure, if the chip detect absence of information to transmit or operational failure, it will be automatically shut off.



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## 7 Radio Spectrum Matter Test Results

### 7.1 Maximum Conducted output power

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

Test Method: ANSI C63.10 (2013) Section 12.3

Limit:

Frequency band(MHz)	Limit
5150-5250	$\leq 1W(30dBm)$ for master device
	$\leq 250mW(24dBm)$ for client device
5250-5350	$\leq 250mW(24dBm)$ or $11dBm+10\log B^*$
5470-5725	$\leq 250mW(24dBm)$ or $11dBm+10\log B^*$
5725-5850	$\leq 1W(30dBm)$
Remark:	<p>* 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.</p>

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

Operating Environment:

Temperature: 23.4 °C      Humidity: 40.3 % RH      Atmospheric Pressure: 1020 mbar

#### 7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	01	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0

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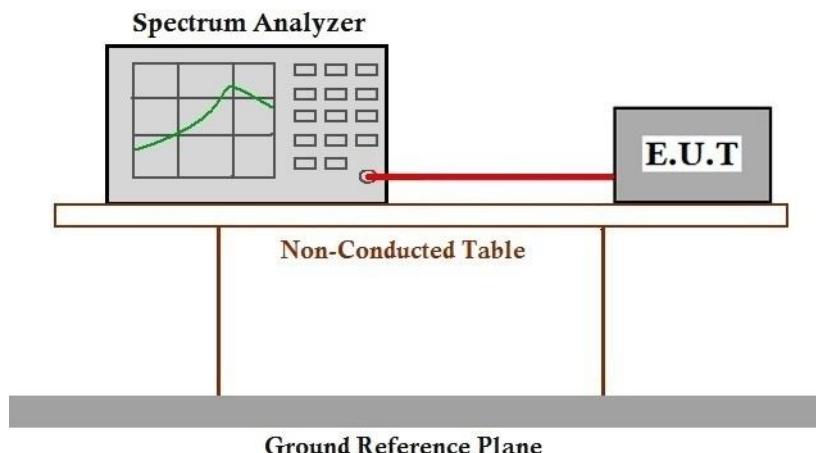
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		is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.

### 7.1.3 Test Setup Diagram



### 7.1.4 Measurement Procedure and Data

Note: Since the verify power the same operating range bandwidth and smaller power can be covered by the higher power.

Please Refer to Appendix for Details

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## 7.2 Radiated Emissions (Below 1GHz)

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

Test Method: ANSI C63.10 (2013) Section 6.4,6.5

Measurement Distance: 3m

Limit:

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

### 7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 23.2 °C      Humidity: 45.1 % RH      Atmospheric Pressure: 1020 mbar



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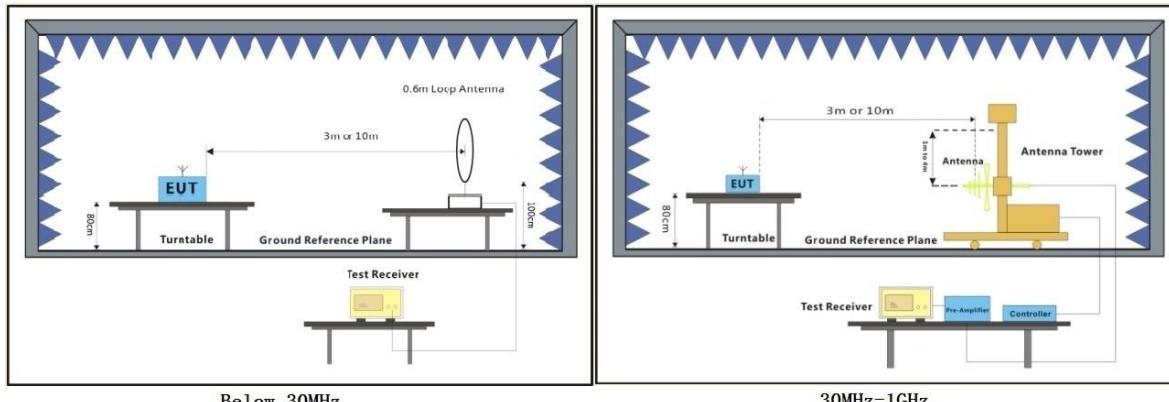
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### 7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Pre-scan	01	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Pre-scan	02	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Pre-scan	03	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.

### 7.2.3 Test Setup Diagram



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**7.2.4 Measurement Procedure and Data**

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

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. For emission below 1GHz, through the pre-scan found the worst case is the lowest channel of 802.11a. Only the worst case is recorded in the report.
3. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
4. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.



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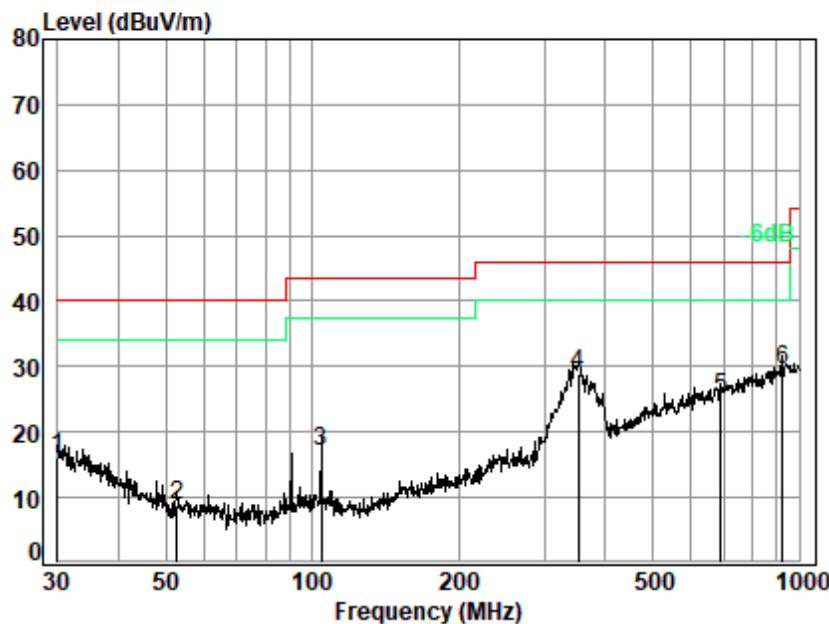
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Test Mode: 00; Polarity: Horizontal



Site : chamber

Condition: 3m HORIZONTAL

Job No. : 01296AT/01297AT

Test Mode: 00

Freq	Ant Factor	Cable Loss	Preamp Factor	Read Level	Limit		Over Limit	Remark
					dB	dBuV	dBuV/m	dBuV/m
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dBuV/m	dB
1	30.000	21.20	0.67	27.79	21.99	16.07	40.00	-23.93 QP
2	52.760	12.33	0.89	27.73	23.24	8.73	40.00	-31.27 QP
3	104.170	12.22	1.25	27.57	31.13	17.03	43.50	-26.47 QP
4	351.708	19.97	2.41	26.96	33.37	28.79	46.00	-17.21 QP
5	691.987	25.74	3.52	27.74	23.74	25.26	46.00	-20.74 QP
6 q	925.756	28.18	4.19	26.58	23.79	29.58	46.00	-16.42 QP

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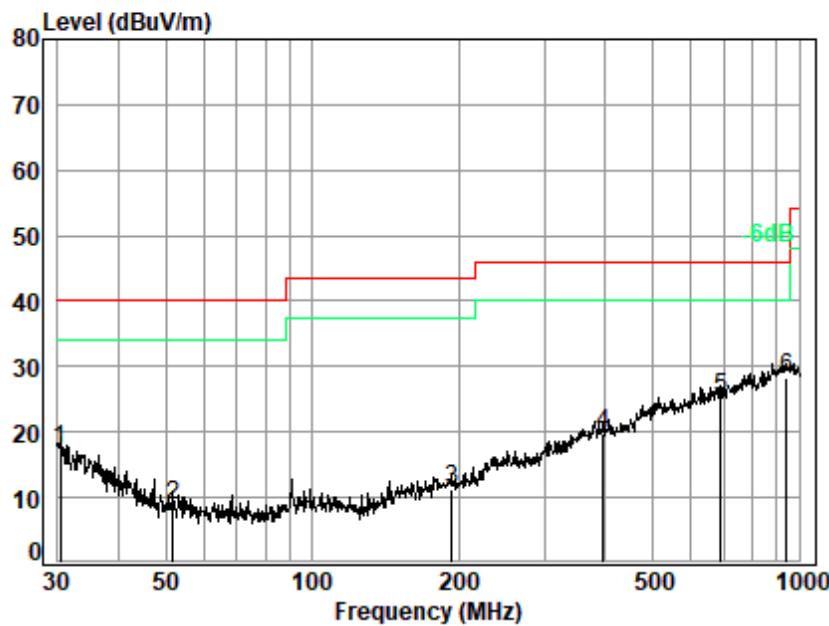
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Test Mode: 00; Polarity: Vertical



Site : chamber  
Condition: 3m VERTICAL  
Job No. : 01296AT/01297AT  
Test Mode: 00

Freq	Ant Factor	Cable Loss	Preamp Factor	Read Level	Limit		Over Limit	Remark	
					dB	dBuV	dBuV/m	dBuV/m	
MHz	dB/m	dB	dB	dB	dB	dB	dB	dB	
1	30.317	21.05	0.67	27.79	23.31	17.24	40.00	-22.76	QP
2	51.662	12.51	0.88	27.73	23.28	8.94	40.00	-31.06	QP
3	193.773	14.18	1.74	27.20	22.54	11.26	43.50	-32.24	QP
4	396.242	20.68	2.57	27.14	23.60	19.71	46.00	-26.29	QP
5	689.565	25.69	3.51	27.75	23.73	25.18	46.00	-20.82	QP
6 q	942.131	28.19	4.23	26.46	22.43	28.39	46.00	-17.61	QP

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### 7.3 Radiated Emissions (Above 1GHz)

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

Test Method: ANSI C63.10 (2013) Section 6.6

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

\*(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.

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

Operating Environment:

Temperature: 21.8 °C

Humidity: 51.0 % RH

Atmospheric Pressure: 1020 mbar

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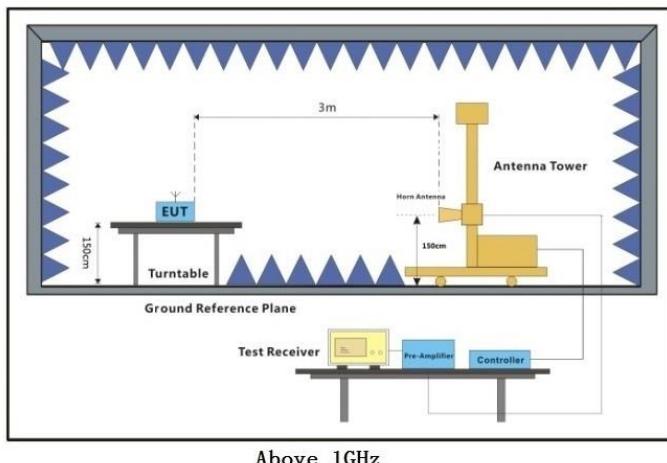
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### 7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	01	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.

### 7.3.3 Test Setup Diagram



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**7.3.4 Measurement Procedure and Data**

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

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.
4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
5. For devices with multiple operating modes, measurements on the middle channel is used to determine the worst-case mode(s). Only the worst case mode with the highest output power and the mode with the highest output power spectral density for each modulation family (e.g., OFDM and direct sequence spread spectrum) is recorded in the test report.
6. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.
7. For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is  $\geq 1/T$  (Duty cycle  $< 98\%$ ) or 10Hz (Duty cycle  $\geq 98\%$ ) for Average detection (AV) at frequency above 1GHz.

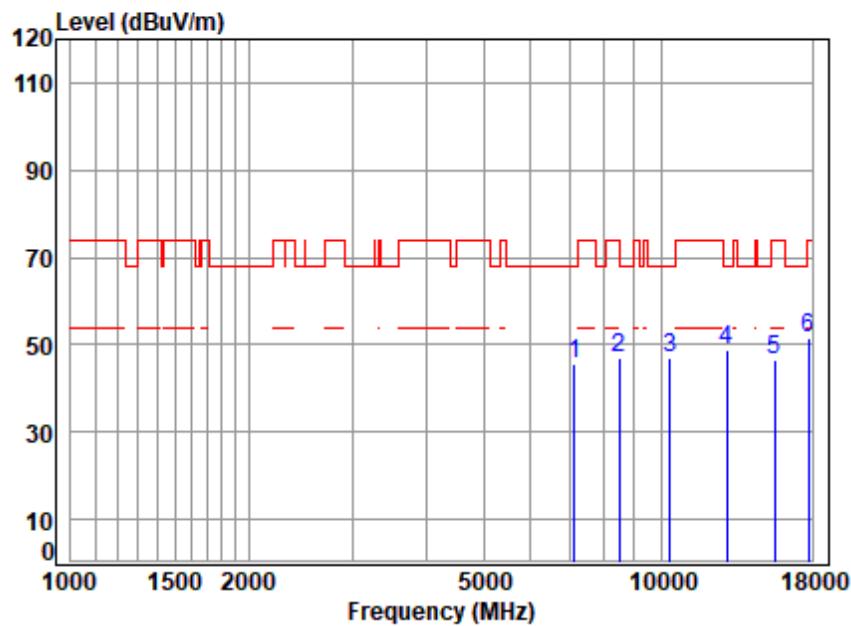
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5180 TX RSE  
: 5G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	7117.542	11.91	36.44	56.61	54.06	45.80	68.20 -22.40 Peak
2	8489.882	12.24	38.32	55.46	52.09	47.19	74.00 -26.81 peak
3	10360.000	13.60	39.00	53.88	48.07	46.79	68.20 -21.41 peak
4	pp12909.700	15.81	40.39	54.44	47.14	48.90	68.20 -19.30 Peak
5	15540.000	17.00	38.56	54.14	45.14	46.56	74.00 -27.44 peak
6	17741.740	18.87	42.09	54.45	45.06	51.57	74.00 -22.43 Peak

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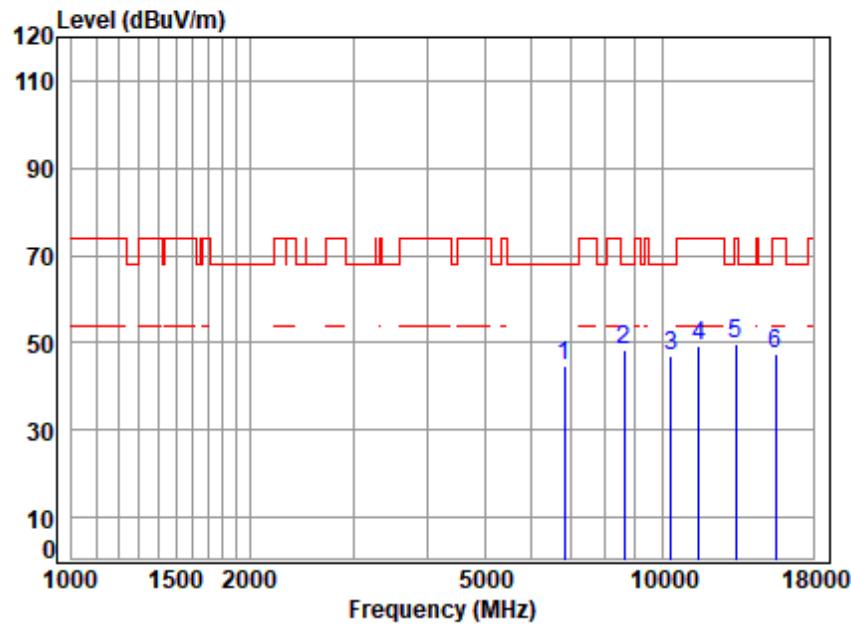
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Test Mode: 00; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5180 TX RSE

: 5G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6835.278	11.37	35.97	56.73	54.02	44.63	68.20 -23.57 Peak
2 pp	8613.468	11.98	38.47	55.35	53.26	48.36	68.20 -19.84 peak
3	10360.000	13.60	39.00	53.88	48.21	46.93	68.20 -21.27 peak
4	11533.480	14.92	39.60	53.66	48.25	49.11	74.00 -24.89 Peak
5	13326.750	16.37	40.30	54.47	47.40	49.60	74.00 -24.40 Peak
6	15540.000	17.00	38.56	54.14	45.81	47.23	74.00 -26.77 peak

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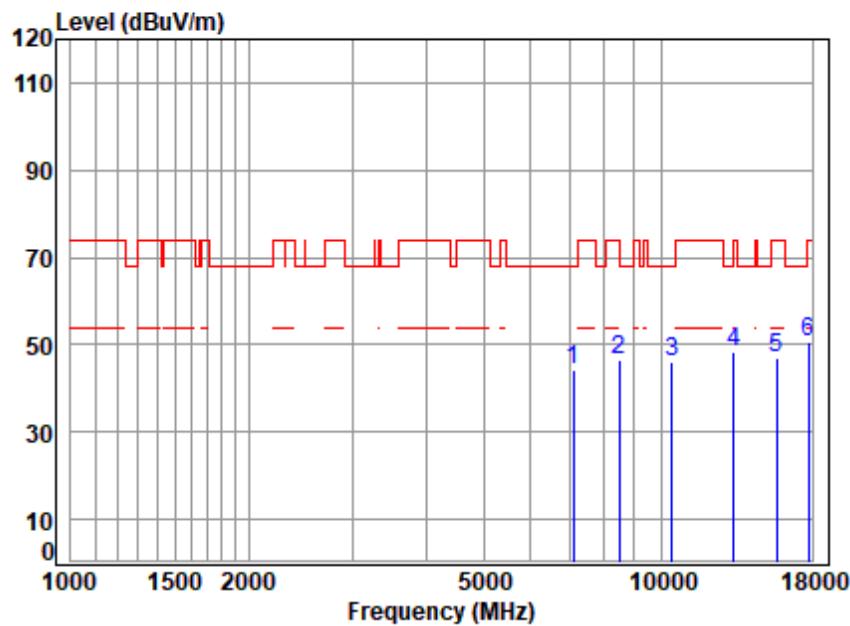
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5220 TX RSE  
: 5G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	7096.999	11.97	36.39	56.62	52.33	44.07	68.20 -24.13 Peak
2	8489.882	12.24	38.32	55.46	51.47	46.57	74.00 -27.43 peak
3	pp10440.000	13.63	39.04	53.84	47.09	45.92	68.20 -22.28 peak
4	13288.280	16.44	40.29	54.47	46.06	48.32	74.00 -25.68 Peak
5	15660.000	17.23	38.56	54.10	45.52	47.21	74.00 -26.79 peak
6	17741.740	18.87	42.09	54.45	44.22	50.73	74.00 -23.27 Peak

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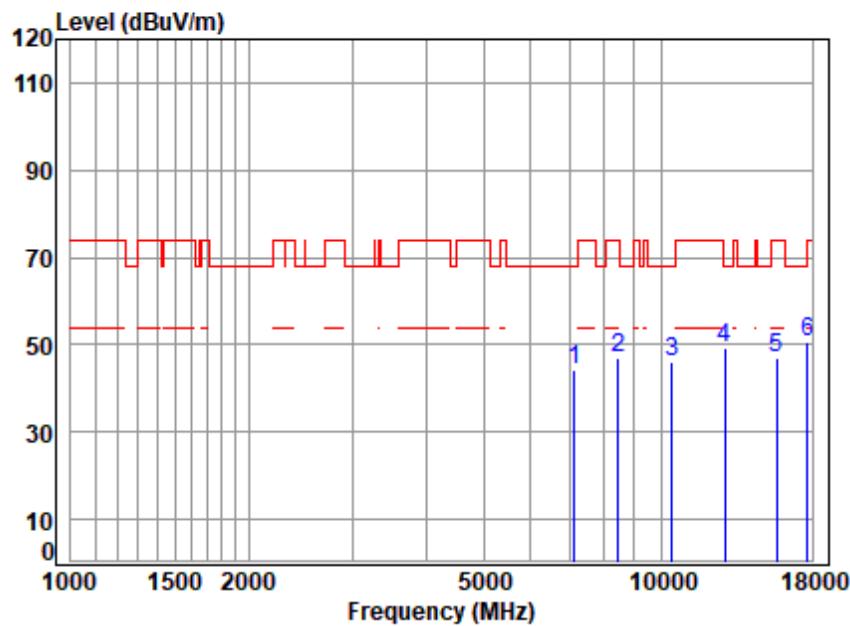
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Test Mode: 00; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5220 TX RSE

: 5G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	7138.144	11.81	36.48	56.59	52.68	44.38	68.20 -23.82 Peak
2	8465.379	12.07	38.37	55.48	51.95	46.91	74.00 -27.09 peak
3	10440.000	13.63	39.04	53.84	47.48	46.31	68.20 -21.89 peak
4	12798.240	15.42	40.30	54.36	47.86	49.22	68.20 -18.98 Peak
5	15660.000	17.23	38.56	54.10	45.41	47.10	74.00 -26.90 peak
6	pp17690.530	19.16	41.66	54.44	44.20	50.58	68.20 -17.62 Peak

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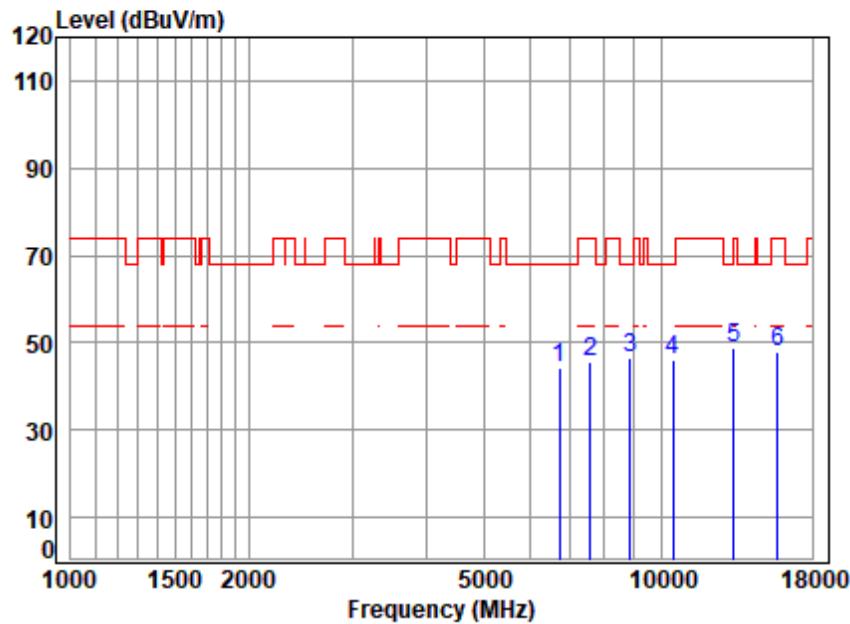
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5240 TX RSE

: 5G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6717.762	11.40	35.51	56.76	53.98	44.13	68.20 -24.07 Peak
2	7584.833	11.11	36.80	56.23	53.87	45.55	74.00 -28.45 Peak
3	8866.062	12.23	38.53	55.12	50.96	46.60	68.20 -21.60 peak
4	10480.000	13.64	39.08	53.81	47.13	46.04	68.20 -22.16 peak
5	13288.280	16.44	40.29	54.47	46.59	48.85	74.00 -25.15 Peak
6	15720.000	17.22	38.58	54.08	46.02	47.74	74.00 -26.26 peak

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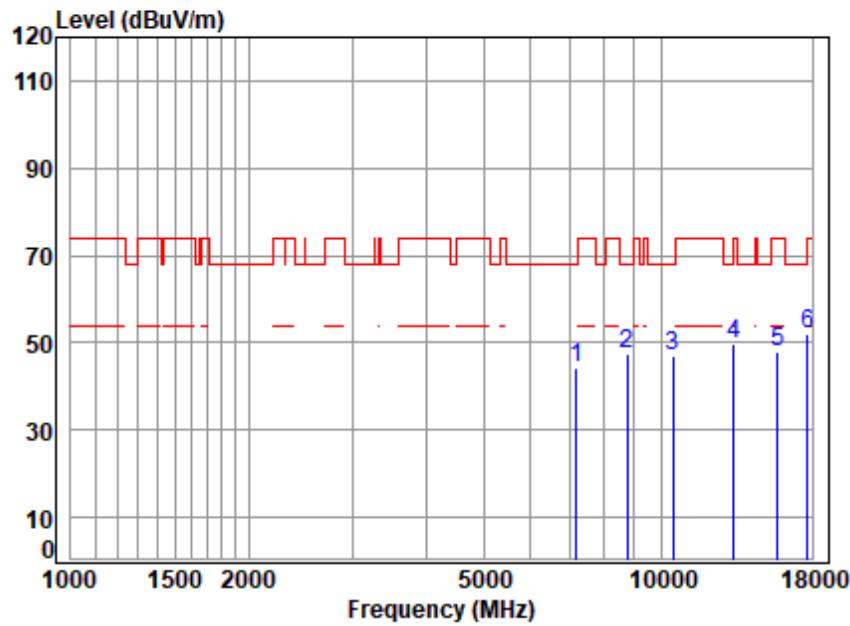
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Test Mode: 00; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5240 TX RSE

: 5G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	7179.527	11.62	36.56	56.56	52.82	44.44	68.20 -23.76 Peak
2	8738.852	12.15	38.52	55.24	51.95	47.38	68.20 -20.82 peak
3	10480.000	13.64	39.08	53.81	48.24	47.15	68.20 -21.05 peak
4	13288.280	16.44	40.29	54.47	47.51	49.77	74.00 -24.23 Peak
5	15720.000	17.22	38.58	54.08	46.07	47.79	74.00 -26.21 peak
6	pp17690.530	19.16	41.66	54.44	45.65	52.03	68.20 -16.17 Peak

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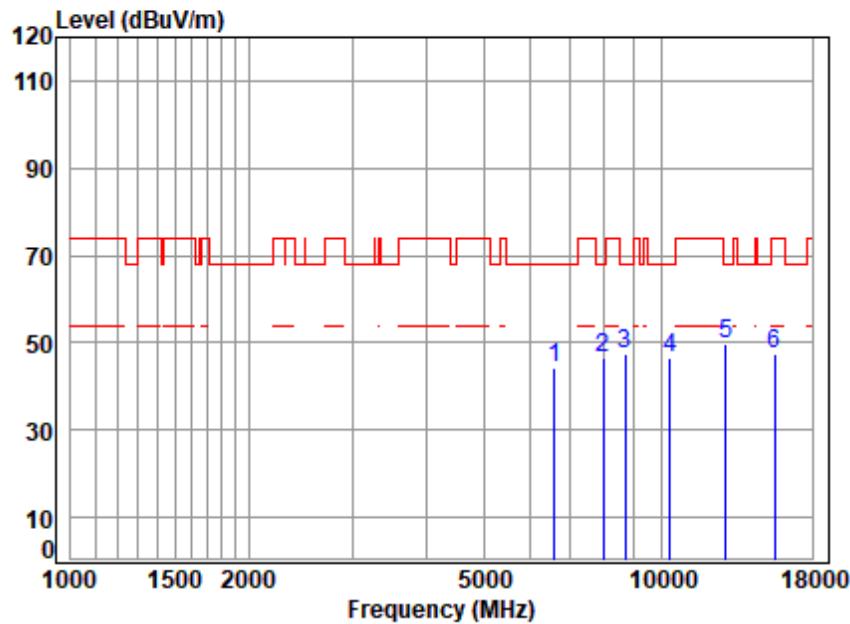
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5180 TX RSE

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Freq	Loss	Factor	Factor	Level	Level	Line	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	6583.209	11.61	35.13	56.78	54.28	44.24	68.20	-23.96 Peak
2	7989.893	11.56	37.78	55.91	53.08	46.51	68.20	-21.69 Peak
3	8688.480	12.08	38.55	55.28	52.23	47.58	68.20	-20.62 peak
4	10360.000	13.60	39.00	53.88	47.70	46.42	68.20	-21.78 peak
5	pp12872.440	15.70	40.37	54.41	48.09	49.75	68.20	-18.45 Peak
6	15540.000	17.00	38.56	54.14	45.94	47.36	74.00	-26.64 peak

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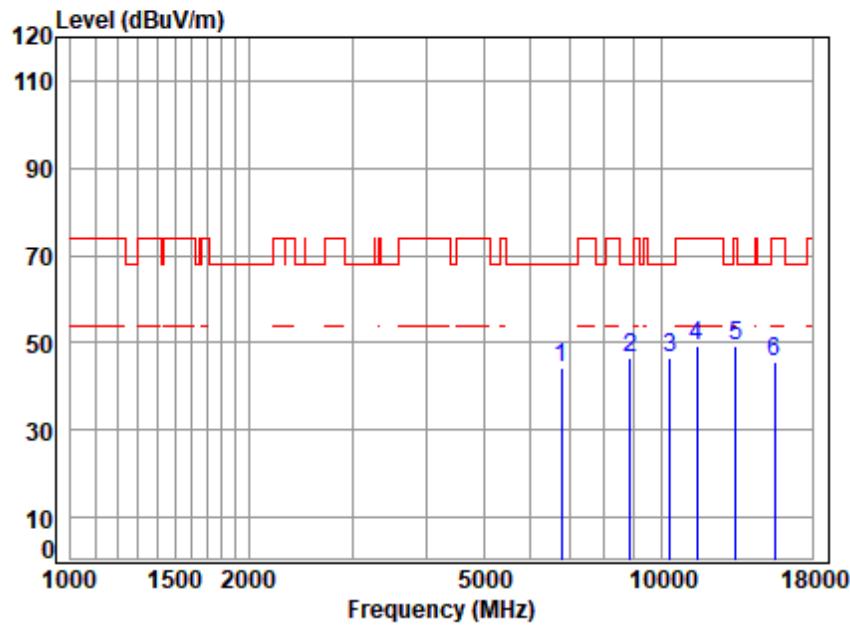
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Test Mode: 00; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5180 TX RSE

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Freq	Loss	Factor	Factor	Level	Level	Line	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	6776.265	11.38	35.81	56.74	53.78	44.23	68.20	-23.97 Peak
2 pp	8866.062	12.23	38.53	55.12	51.10	46.74	68.20	-21.46 peak
3	10360.000	13.60	39.00	53.88	47.60	46.32	68.20	-21.88 peak
4	11467.000	14.77	39.63	53.64	48.68	49.44	74.00	-24.56 Peak
5	13365.320	16.13	40.30	54.46	47.19	49.16	74.00	-24.84 Peak
6	15540.000	17.00	38.56	54.14	44.37	45.79	74.00	-28.21 peak

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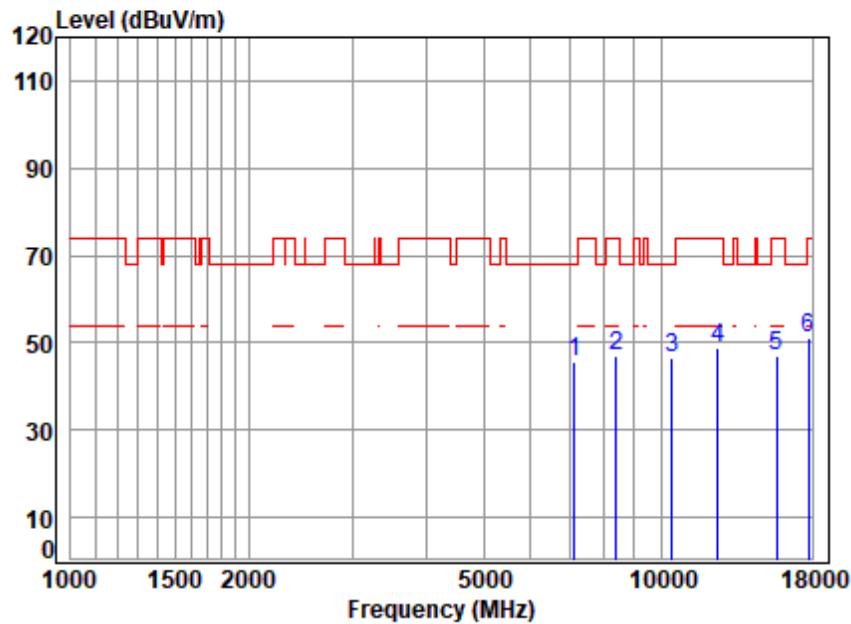
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5220 TX RSE

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7117.542	11.91	36.44	56.61	53.66	45.40	68.20	-22.80 Peak
2	8392.292	11.64	38.62	55.55	52.41	47.12	74.00	-26.88 peak
3	pp10440.000	13.63	39.04	53.84	47.61	46.44	68.20	-21.76 peak
4	12469.610	15.43	39.90	54.13	47.58	48.78	74.00	-25.22 Peak
5	15660.000	17.23	38.56	54.10	45.22	46.91	74.00	-27.09 peak
6	17741.740	18.87	42.09	54.45	44.49	51.00	74.00	-23.00 Peak

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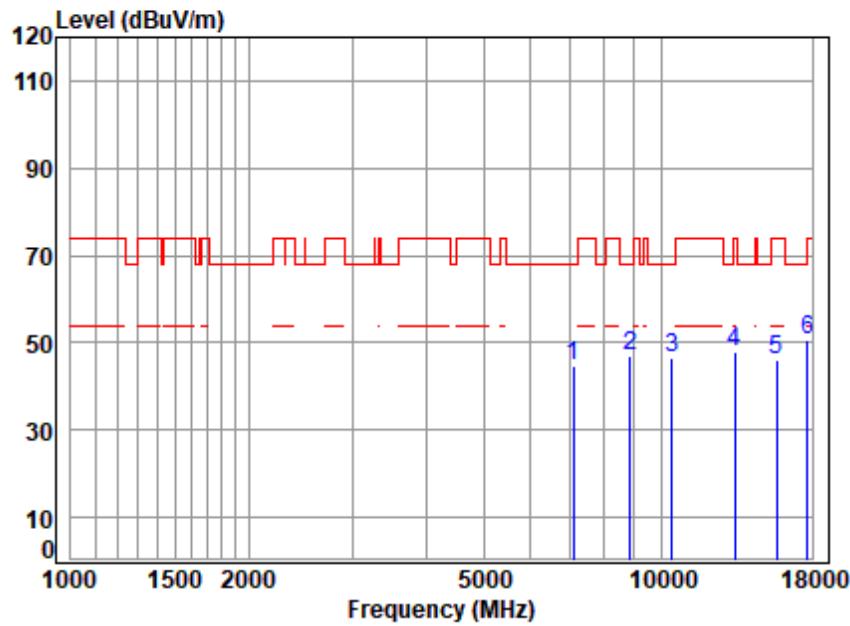
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Test Mode: 00; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL  
Job No : 01296AT/01297AT  
Mode : 5220 TX RSE  
: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	7096.999	11.97	36.39	56.62	53.13	44.87	68.20 -23.33 Peak
2	8840.473	12.24	38.50	55.14	51.33	46.93	68.20 -21.27 peak
3	10440.000	13.63	39.04	53.84	47.78	46.61	68.20 -21.59 peak
4	13326.750	16.37	40.30	54.47	45.53	47.73	74.00 -26.27 Peak
5	15660.000	17.23	38.56	54.10	44.53	46.22	74.00 -27.78 peak
6	pp17690.530	19.16	41.66	54.44	44.21	50.59	68.20 -17.61 Peak

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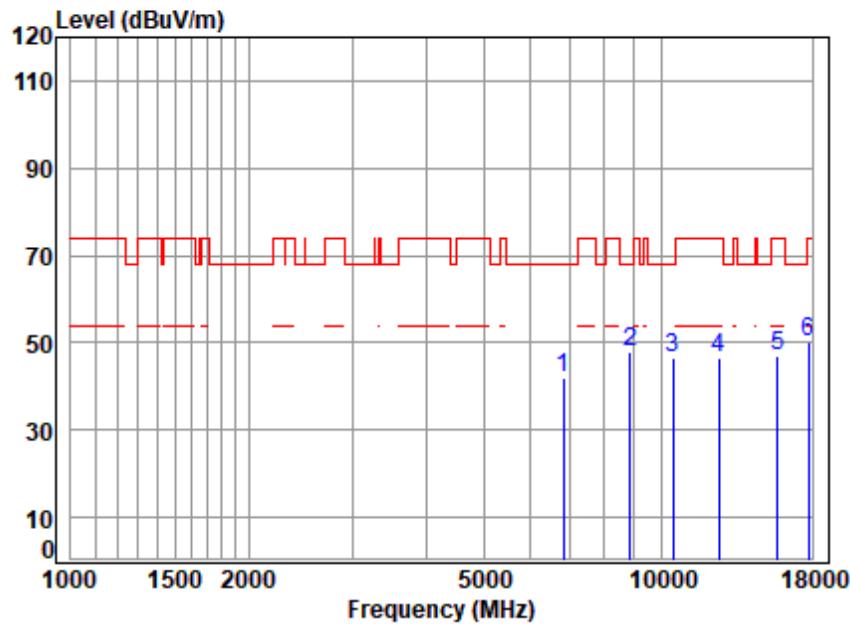
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5240 TX RSE

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6815.551	11.37	35.93	56.74	51.51	42.07	68.20 -26.13 Peak
2 pp	8866.062	12.23	38.53	55.12	52.16	47.80	68.20 -20.40 peak
3	10480.000	13.64	39.08	53.81	47.56	46.47	68.20 -21.73 peak
4	12505.710	15.45	39.91	54.15	45.40	46.61	74.00 -27.39 Peak
5	15720.000	17.22	38.58	54.08	45.09	46.81	74.00 -27.19 peak
6	17741.740	18.87	42.09	54.45	43.65	50.16	74.00 -23.84 Peak

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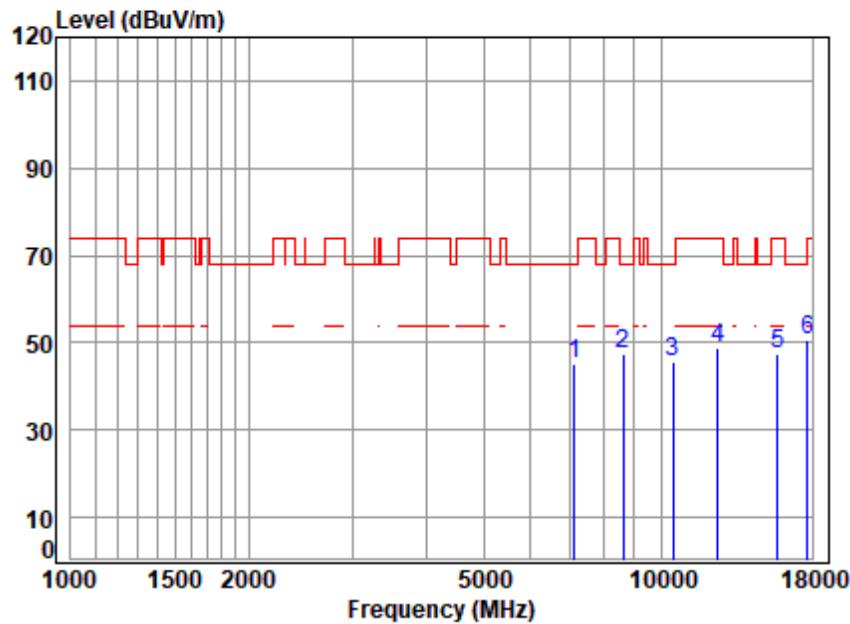
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Test Mode: 00; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5240 TX RSE

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	7117.542	11.91	36.44	56.61	53.58	45.32	68.20 -22.88 Peak
2	8613.468	11.98	38.47	55.35	52.24	47.34	68.20 -20.86 peak
3	10480.000	13.64	39.08	53.81	46.93	45.84	68.20 -22.36 peak
4	12469.610	15.43	39.90	54.13	47.85	49.05	74.00 -24.95 Peak
5	15720.000	17.22	38.58	54.08	45.82	47.54	74.00 -26.46 peak
6	pp17690.530	19.16	41.66	54.44	44.32	50.70	68.20 -17.50 Peak

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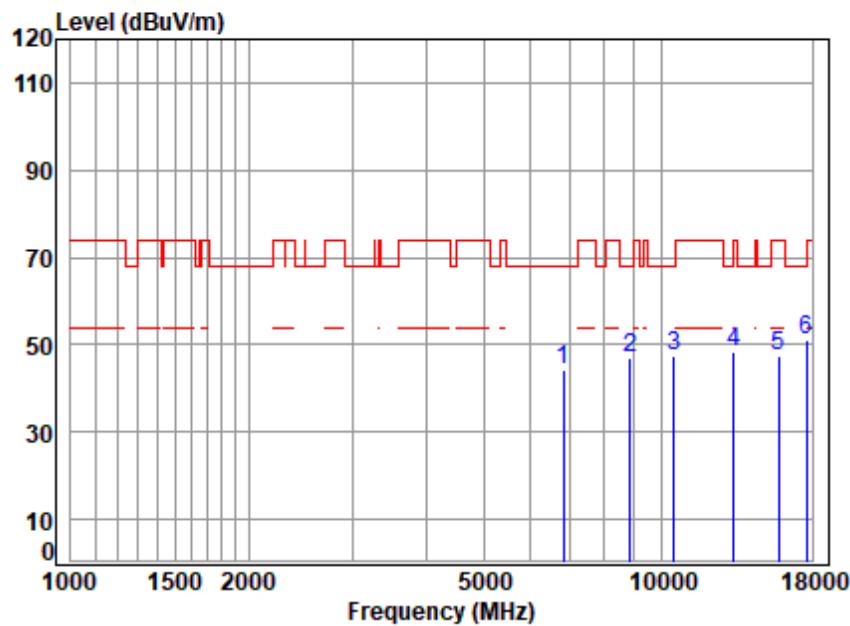
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5260 TX RSE  
: 5G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6835.278	11.37	35.97	56.73	53.53	44.14	68.20 -24.06 Peak
2	8866.062	12.23	38.53	55.12	51.56	47.20	68.20 -21.00 peak
3	10520.000	13.63	39.14	53.79	48.56	47.54	68.20 -20.66 peak
4	13288.280	16.44	40.29	54.47	46.30	48.56	74.00 -25.44 Peak
5	15780.000	17.08	38.52	54.07	45.73	47.26	74.00 -26.74 peak
6	pp17639.470	19.52	40.89	54.43	44.90	50.88	68.20 -17.32 Peak

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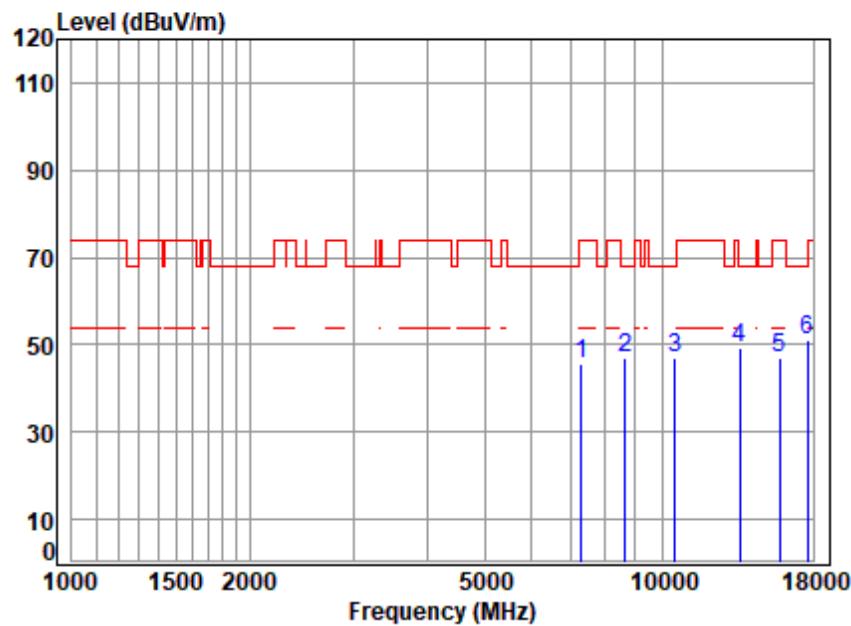
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Test Mode: 01; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5260 TX RSE

: 5G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	7284.038	11.51	36.67	56.47	53.72	45.43	74.00 -28.57 Peak
2	8663.404	12.04	38.45	55.30	51.97	47.16	68.20 -21.04 peak
3	10520.000	13.63	39.14	53.79	48.05	47.03	68.20 -21.17 peak
4	13520.740	15.80	40.08	54.45	47.75	49.18	68.20 -19.02 Peak
5	15780.000	17.08	38.52	54.07	45.57	47.10	74.00 -26.90 peak
6	pp17639.470	19.52	40.89	54.43	45.16	51.14	68.20 -17.06 Peak

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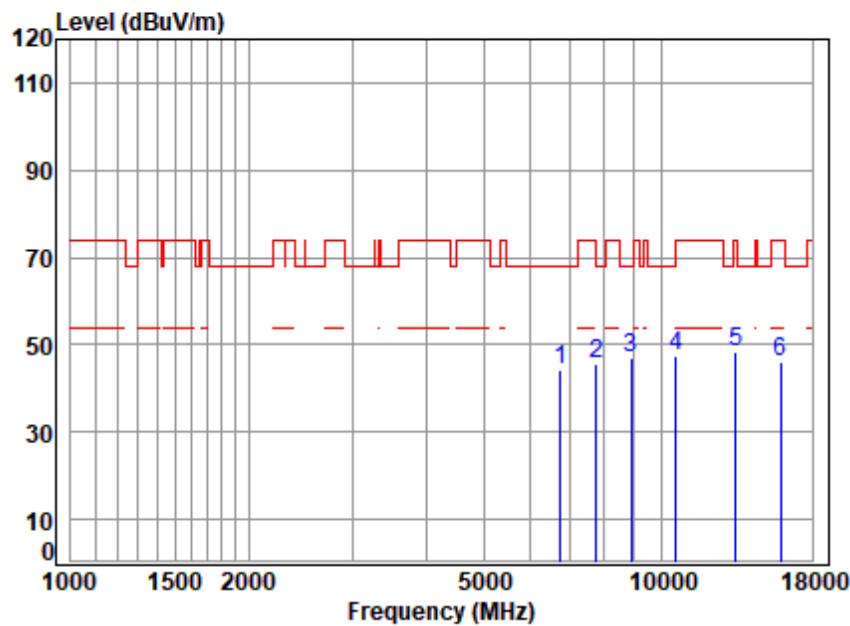
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5300 TX RSE  
: 5G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark		
	MHz	Loss	Factor	Factor	Level	Level	Line	Limit	
1	6756.708	11.39	35.73	56.75	53.75	44.12	68.20	-24.08	Peak
2	7762.260	11.36	37.05	56.09	53.23	45.55	68.20	-22.65	Peak
3	8891.725	12.22	38.58	55.10	51.33	47.03	68.20	-21.17	peak
4	pp10600.000	13.59	39.30	53.74	48.24	47.39	68.20	-20.81	peak
5	13365.320	16.13	40.30	54.46	46.59	48.56	74.00	-25.44	Peak
6	15900.000	17.28	38.70	54.03	44.07	46.02	74.00	-27.98	peak

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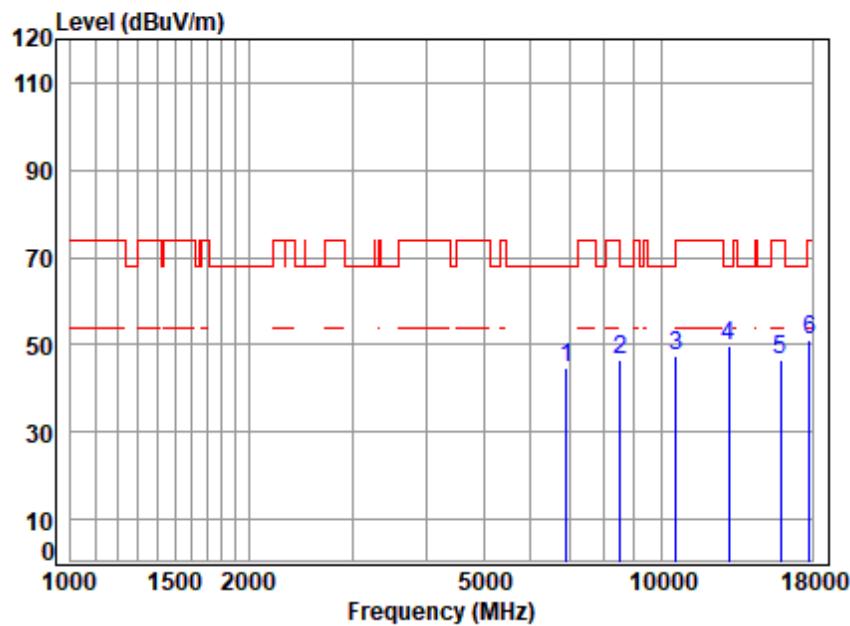
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Test Mode: 01; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5300 TX RSE

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6914.763	11.37	36.17	56.72	54.12	44.94	68.20 -23.26 Peak
2	8514.456	12.26	38.30	55.44	51.37	46.49	68.20 -21.71 Peak
3	10600.000	13.59	39.30	53.74	48.14	47.29	68.20 -20.91 peak
4	pp13022.130	15.82	40.30	54.50	48.20	49.82	68.20 -18.38 Peak
5	15900.000	17.28	38.70	54.03	44.50	46.45	74.00 -27.55 peak
6	17844.590	18.62	42.77	54.47	44.30	51.22	74.00 -22.78 Peak

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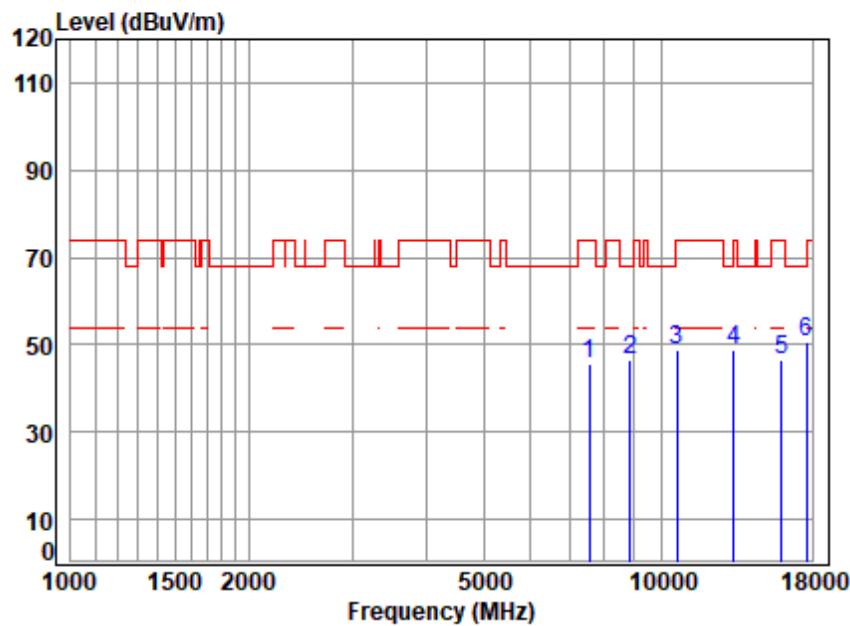
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5320 TX RSE  
: 5G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	7541.114	11.17	36.80	56.27	54.14	45.84	74.00 -28.16 Peak
2	8840.473	12.24	38.50	55.14	51.04	46.64	68.20 -21.56 peak
3	10640.000	13.77	39.34	53.72	49.23	48.62	74.00 -25.38 peak
4	13288.280	16.44	40.29	54.47	46.52	48.78	74.00 -25.22 Peak
5	15960.000	17.20	38.64	54.01	44.79	46.62	74.00 -27.38 peak
6	pp17639.470	19.52	40.89	54.43	44.59	50.57	68.20 -17.63 Peak

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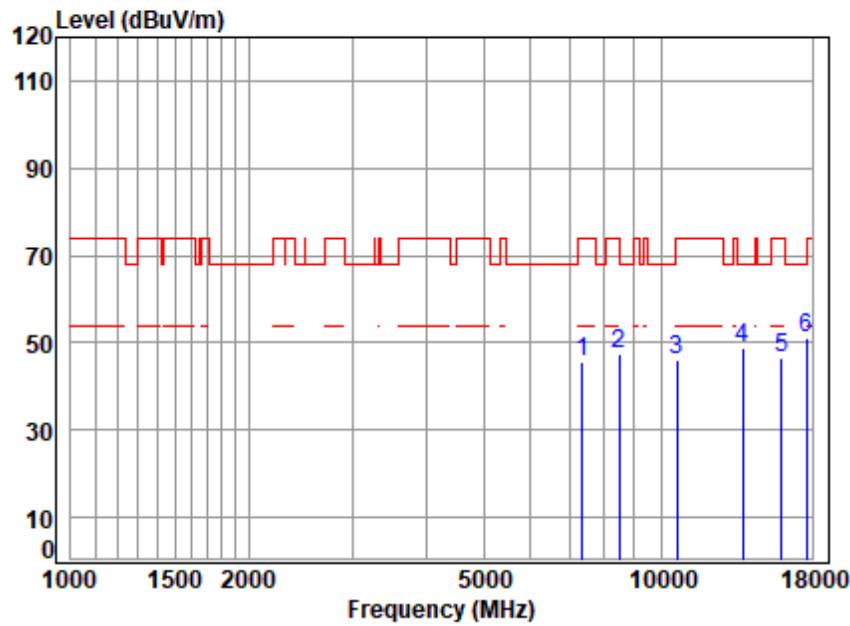
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Test Mode: 01; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5320 TX RSE

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	7347.474	11.51	36.79	56.42	53.93	45.81	74.00 -28.19 Peak
2	8489.882	12.24	38.32	55.46	52.32	47.42	74.00 -26.58 Peak
3	10640.000	13.77	39.34	53.72	46.88	46.27	74.00 -27.73 peak
4	13717.560	16.33	39.98	54.43	47.03	48.91	68.20 -19.29 Peak
5	15960.000	17.20	38.64	54.01	44.60	46.43	74.00 -27.57 peak
6	pp17639.470	19.52	40.89	54.43	45.22	51.20	68.20 -17.00 Peak

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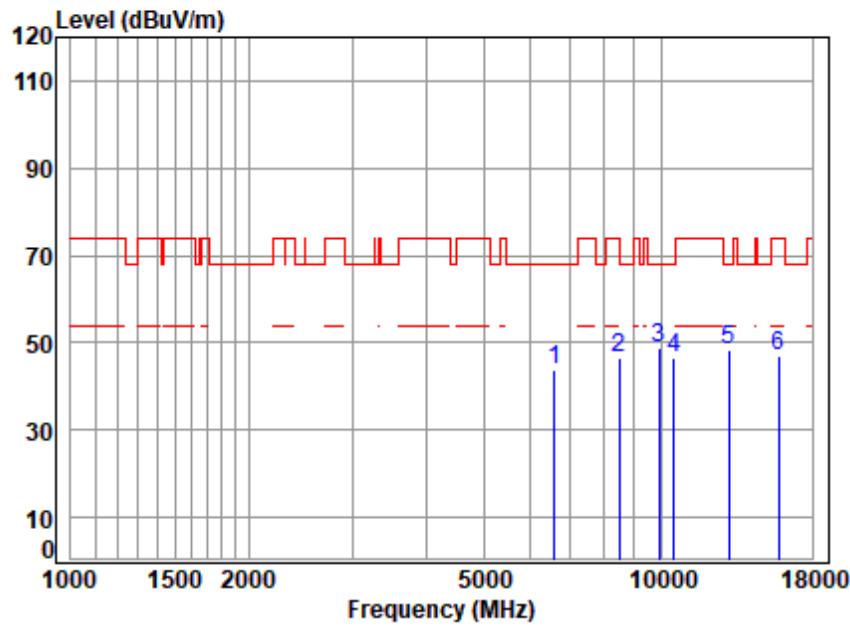
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low

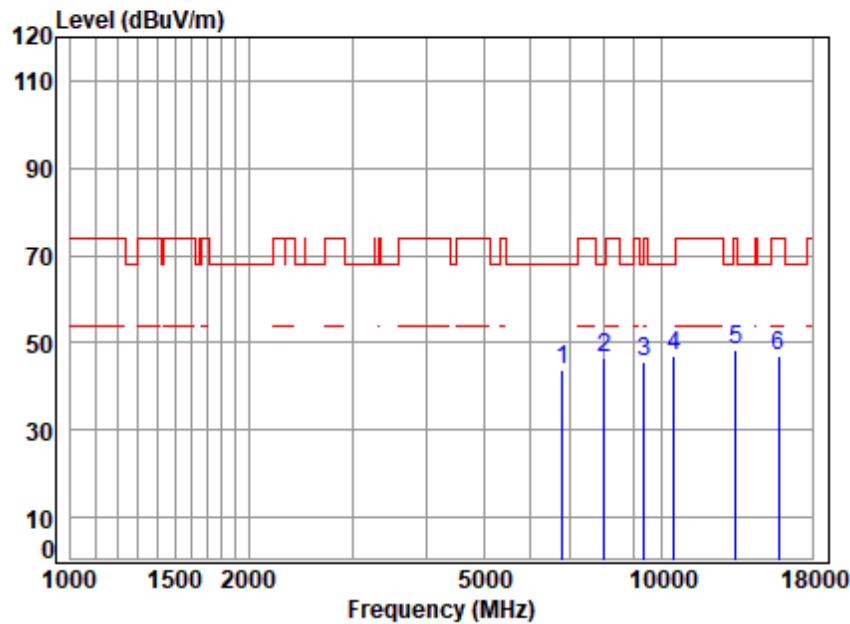


Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5260 TX RSE  
: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6602.265	11.60	35.21	56.78	53.89	43.92	68.20 -24.28 Peak
2	8489.882	12.24	38.32	55.46	51.63	46.73	74.00 -27.27 peak
3 pp	9895.349	12.81	38.80	54.19	51.20	48.62	68.20 -19.58 Peak
4	10520.000	13.63	39.14	53.79	47.61	46.59	68.20 -21.61 peak
5	12984.540	15.88	40.32	54.49	46.49	48.20	68.20 -20.00 Peak
6	15780.000	17.08	38.52	54.07	45.57	47.10	74.00 -26.90 peak



Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5260 TX RSE

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6795.879	11.37	35.88	56.74	53.20	43.71	68.20 -24.49 Peak
2	8013.020	11.55	37.80	55.89	52.86	46.32	68.20 -21.88 Peak
3	9366.577	12.26	38.80	54.67	49.08	45.47	74.00 -28.53 Peak
4	pp10520.000	13.63	39.14	53.79	47.97	46.95	68.20 -21.25 peak
5	13365.320	16.13	40.30	54.46	46.37	48.34	74.00 -25.66 Peak
6	15780.000	17.08	38.52	54.07	45.65	47.18	74.00 -26.82 peak

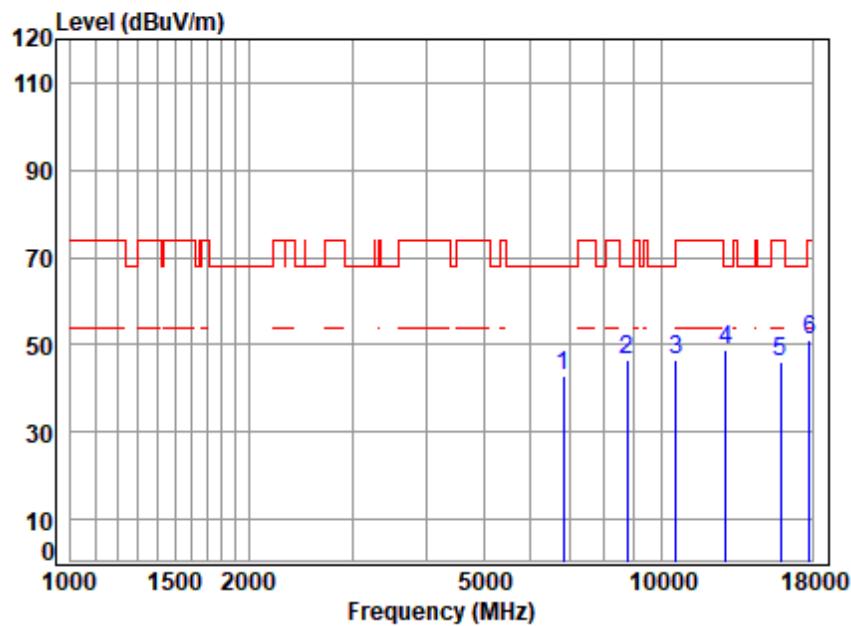
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5300 TX RSE

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	Line	
1	6815.551	11.37	35.93	56.74	52.27	42.83	68.20	-25.37 Peak
2	8738.852	12.15	38.52	55.24	51.25	46.68	68.20	-21.52 peak
3	10600.000	13.59	39.30	53.74	47.36	46.51	68.20	-21.69 peak
4	pp12835.290	15.55	40.34	54.38	47.16	48.67	68.20	-19.53 Peak
5	15900.000	17.28	38.70	54.03	44.35	46.30	74.00	-27.70 peak
6	17793.090	18.61	42.45	54.46	44.63	51.23	74.00	-22.77 Peak

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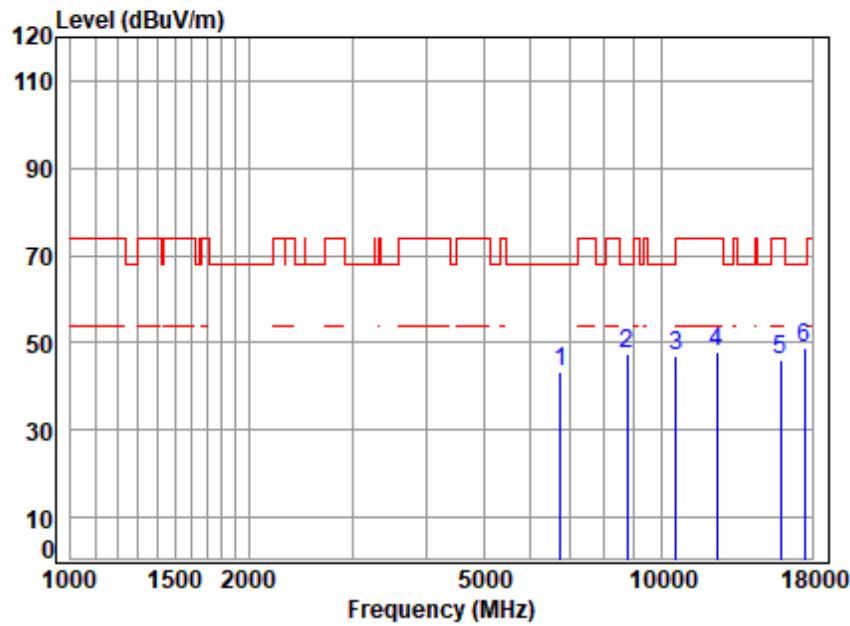
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5300 TX RSE

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6756.708	11.39	35.73	56.75	52.94	43.31	68.20 -24.89 Peak
2	8764.146	12.19	38.50	55.21	51.83	47.31	68.20 -20.89 Peak
3	10600.000	13.59	39.30	53.74	47.67	46.82	68.20 -21.38 peak
4	12433.620	15.38	39.90	54.10	46.60	47.78	74.00 -26.22 Peak
5	15900.000	17.28	38.70	54.03	44.00	45.95	74.00 -28.05 peak
6	pp17487.180	18.38	40.84	54.40	44.22	49.04	68.20 -19.16 Peak

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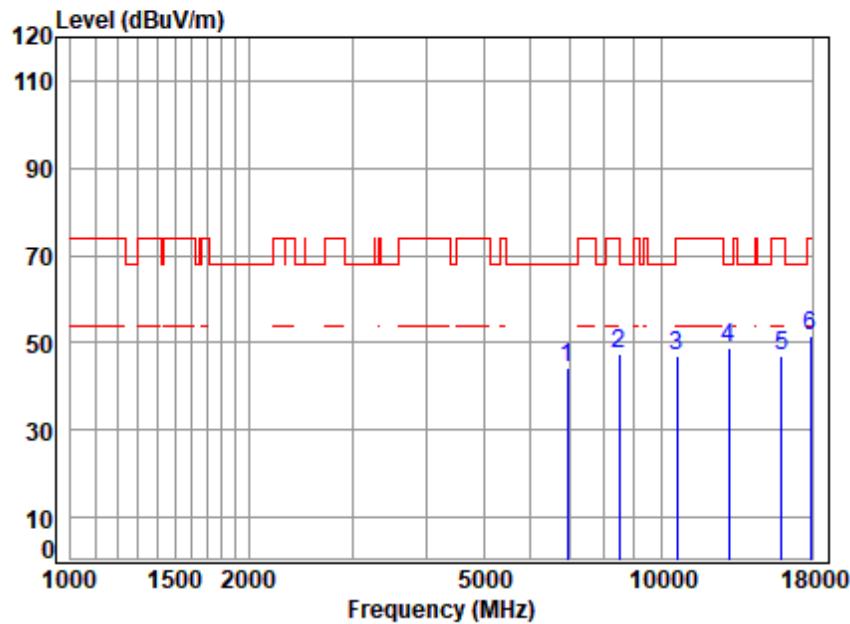
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5320 TX RSE

: 5G Wi-Fi 11ax20

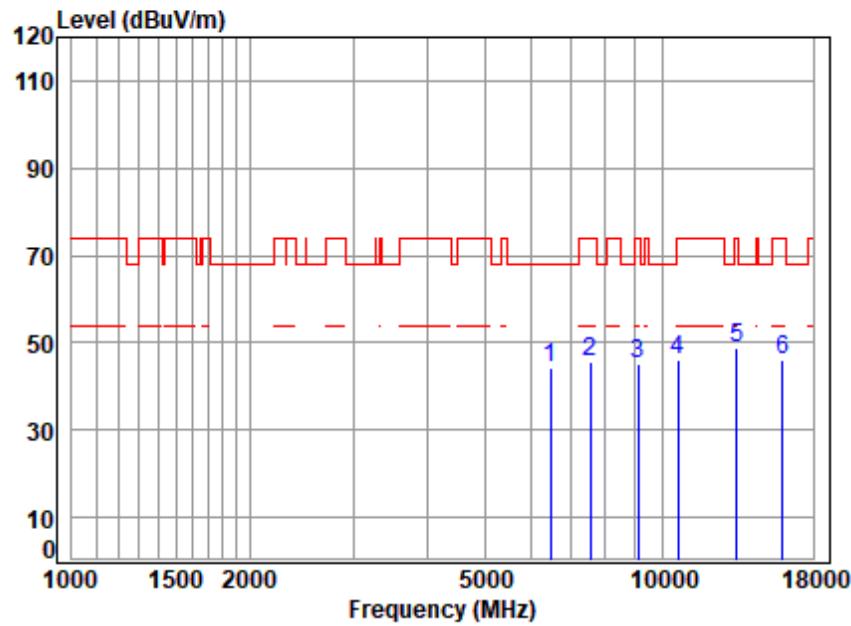
Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6934.778	11.37	36.13	56.71	53.38	44.17	68.20	-24.03 Peak
2	8489.882	12.24	38.32	55.46	52.53	47.63	74.00	-26.37 peak
3	10640.000	13.77	39.34	53.72	47.38	46.77	74.00	-27.23 peak
4	pp13022.130	15.82	40.30	54.50	47.36	48.98	68.20	-19.22 Peak
5	15960.000	17.20	38.64	54.01	44.94	46.77	74.00	-27.23 peak
6	17896.250	18.69	43.08	54.48	44.05	51.34	74.00	-22.66 Peak

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Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5320 TX RSE

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1 pp	6470.026	12.17	34.84	56.81	53.86	44.06	68.20 -24.14 Peak
2	7562.942	11.14	36.80	56.25	54.17	45.86	74.00 -28.14 Peak
3	9099.724	12.12	38.60	54.91	49.33	45.14	74.00 -28.86 Peak
4	10640.000	13.77	39.34	53.72	46.67	46.06	74.00 -27.94 peak
5	13365.320	16.13	40.30	54.46	46.66	48.63	74.00 -25.37 Peak
6	15960.000	17.20	38.64	54.01	44.41	46.24	74.00 -27.76 peak

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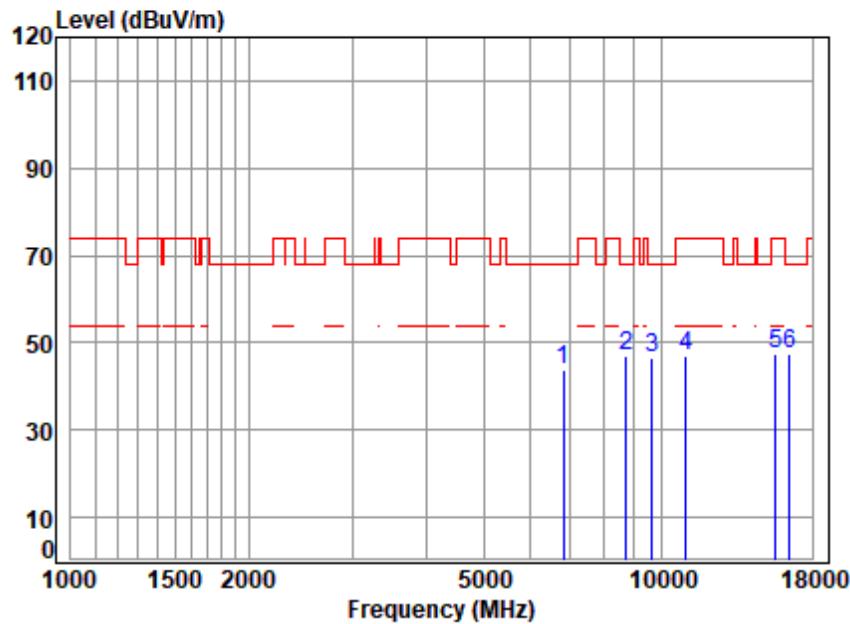
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5500 TX RSE  
: 5G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6835.278	11.37	35.97	56.73	53.01	43.62	68.20 -24.58 Peak
2	8713.630	12.11	38.57	55.26	51.61	47.03	68.20 -21.17 peak
3	9641.257	12.54	38.72	54.42	49.76	46.60	68.20 -21.60 Peak
4	11000.000	14.17	39.40	53.50	46.85	46.92	74.00 -27.08 peak
5	15622.990	17.19	38.52	54.11	45.98	47.58	74.00 -26.42 Peak
6	pp16500.000	17.74	38.90	54.15	44.78	47.27	68.20 -20.93 peak

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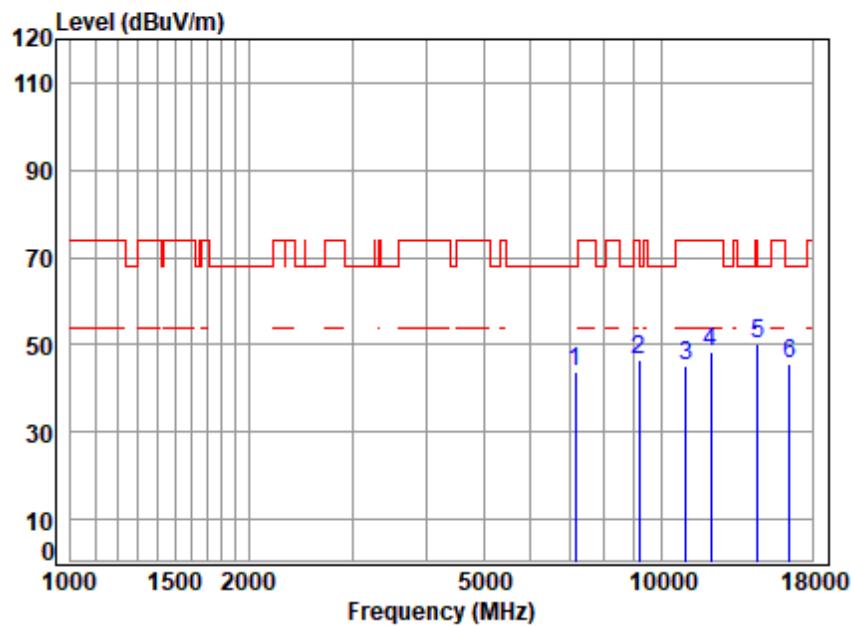
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Test Mode: 02; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5500 TX RSE

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	7158.806	11.71	36.52	56.57	52.11	43.77	68.20 -24.43 Peak
2	9178.972	12.28	38.12	54.84	50.88	46.44	74.00 -27.56 Peak
3	11000.000	14.17	39.40	53.50	44.92	44.99	74.00 -29.01 peak
4	12114.350	14.68	39.73	53.88	47.74	48.27	74.00 -25.73 Peak
5	pp14533.910	16.79	39.43	54.35	48.12	49.99	68.20 -18.21 Peak
6	16500.000	17.74	38.90	54.15	43.19	45.68	68.20 -22.52 peak

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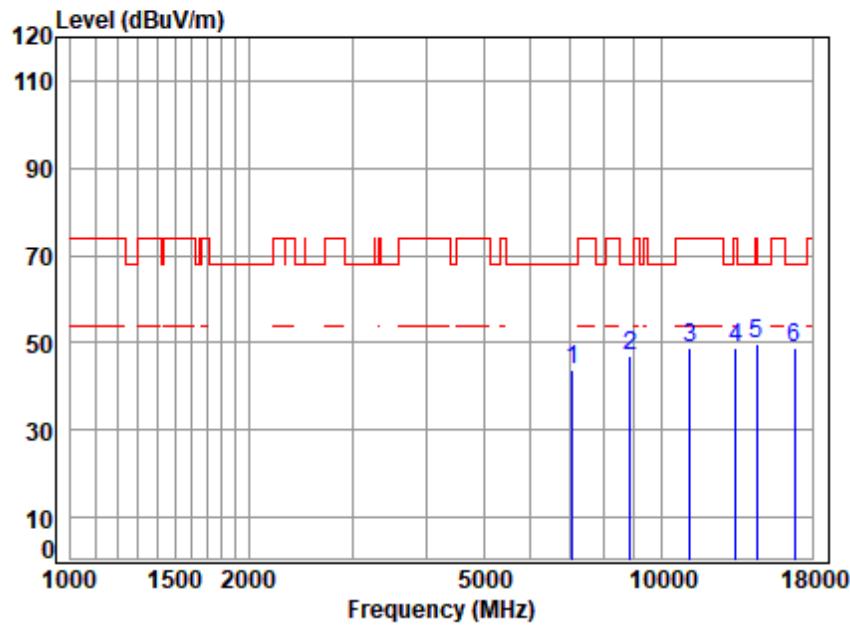
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5600 TX RSE  
: 5G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark		
	MHz	Loss	Factor	Factor	Level	Level	Line	Limit	
1	7076.516	11.84	36.35	56.64	52.43	43.98	68.20	-24.22	Peak
2	8840.473	12.24	38.50	55.14	51.36	46.96	68.20	-21.24	peak
3	11200.000	14.76	39.60	53.56	47.98	48.78	74.00	-25.22	peak
4	13365.320	16.13	40.30	54.46	46.84	48.81	74.00	-25.19	Peak
5	14491.960	17.07	39.51	54.35	47.48	49.71	74.00	-24.29	Peak
6	pp16800.000	17.46	39.60	54.24	46.06	48.88	68.20	-19.32	peak

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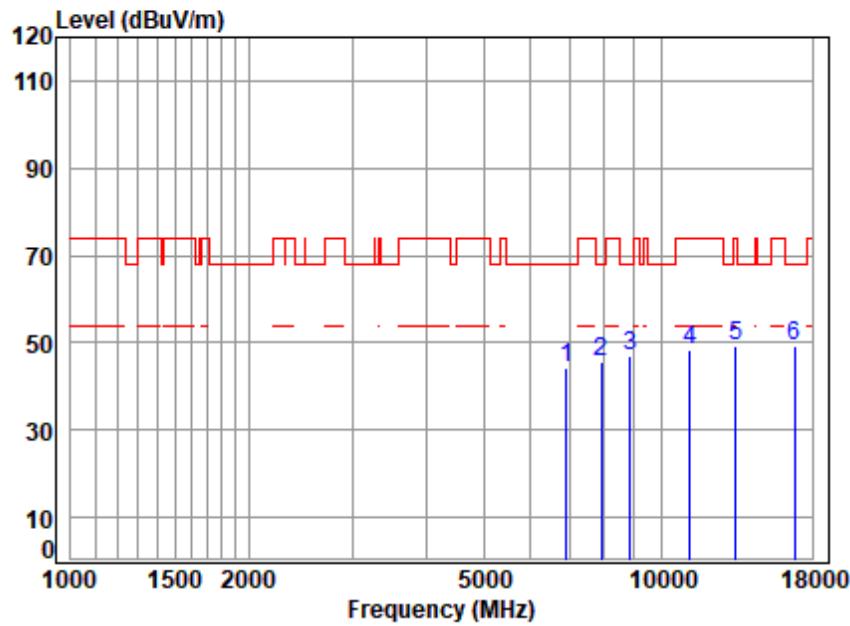
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Test Mode: 02; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5600 TX RSE

: 5G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	6894.806	11.37	36.18	56.72	53.35	44.18	68.20	-24.02 Peak
2	7920.911	11.54	37.64	55.96	52.49	45.71	68.20	-22.49 Peak
3	8840.473	12.24	38.50	55.14	51.62	47.22	68.20	-20.98 peak
4	11200.000	14.76	39.60	53.56	47.54	48.34	74.00	-25.66 peak
5	13365.320	16.13	40.30	54.46	47.32	49.29	74.00	-24.71 Peak
6	pp16800.000	17.46	39.60	54.24	46.45	49.27	68.20	-18.93 peak

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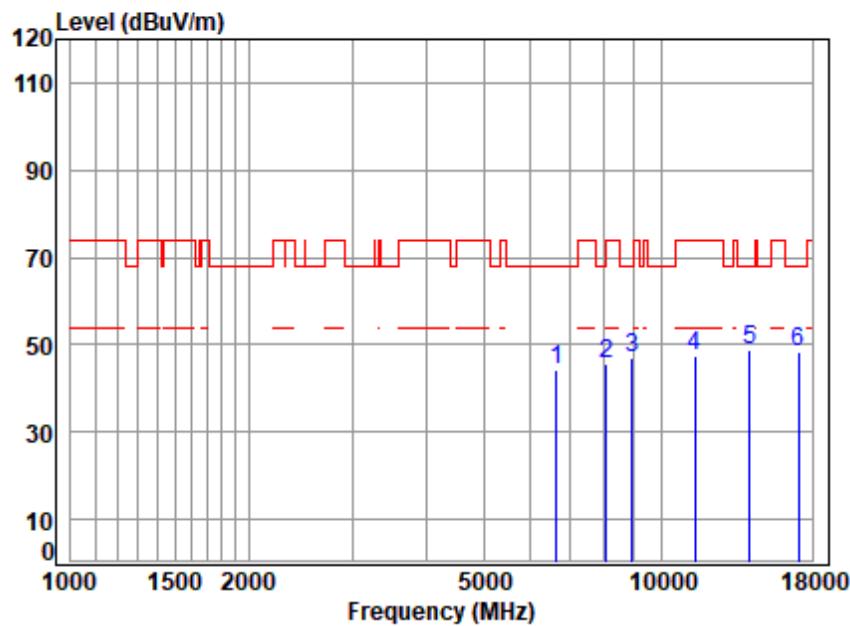
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5700 TX RSE

: 5G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	Line	
1	6640.542	11.52	35.44	56.77	54.11	44.30	68.20	-23.90 Peak
2	8082.804	11.47	37.80	55.83	52.20	45.64	74.00	-28.36 Peak
3	8917.462	12.21	38.57	55.07	51.10	46.81	68.20	-21.39 peak
4	11400.000	14.21	39.70	53.62	47.05	47.34	74.00	-26.66 peak
5	pp14119.830	16.45	39.88	54.39	47.06	49.00	68.20	-19.20 Peak
6	17100.000	18.47	39.80	54.32	44.38	48.33	68.20	-19.87 peak

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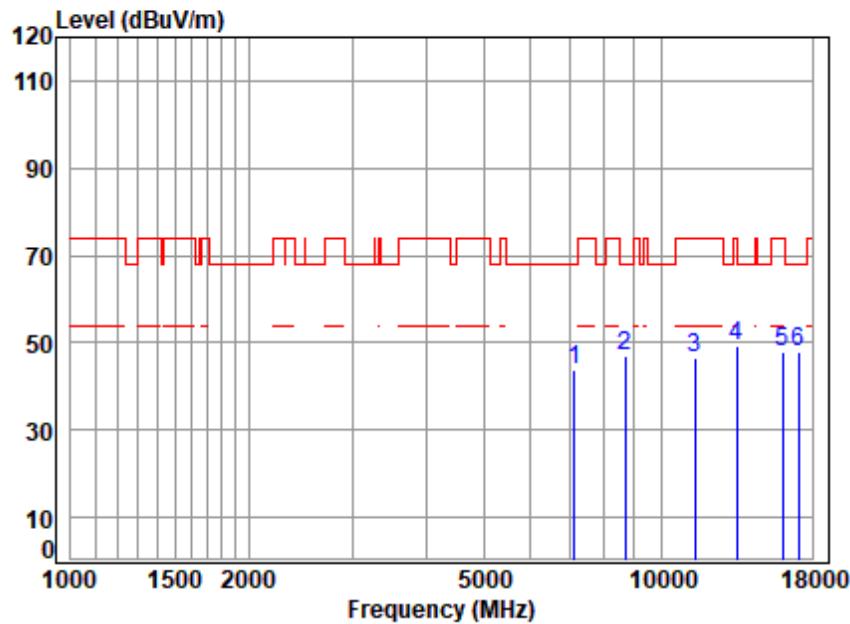
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Test Mode: 02; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5700 TX RSE

: 5G Wi-Fi 11a

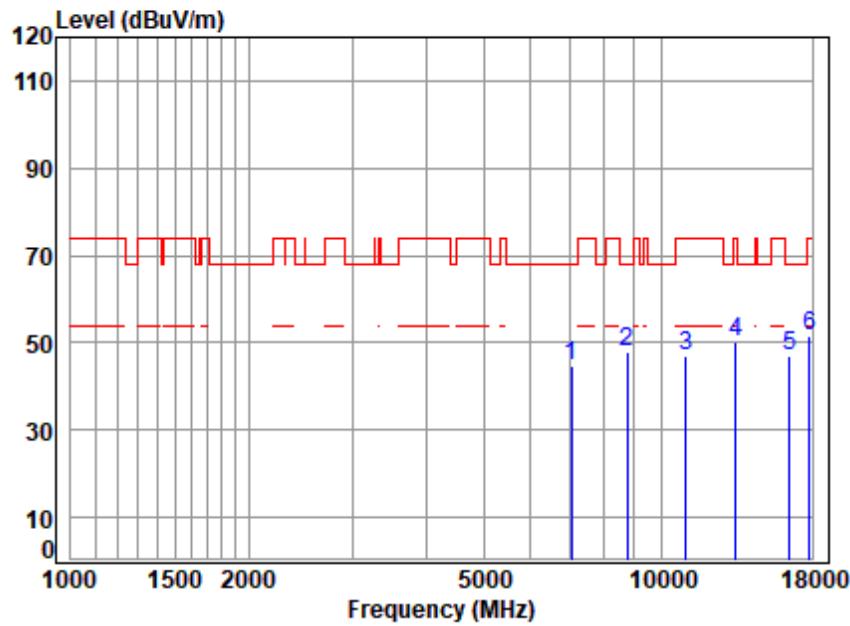
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	7117.542	11.91	36.44	56.61	52.19	43.93	68.20 -24.27 Peak
2	8688.480	12.08	38.55	55.28	51.76	47.11	68.20 -21.09 Peak
3	11400.000	14.21	39.70	53.62	46.27	46.56	74.00 -27.44 peak
4	pp13404.010	15.91	40.29	54.46	47.70	49.44	68.20 -18.76 Peak
5	16034.730	17.12	38.57	54.01	46.32	48.00	74.00 -26.00 Peak
6	17100.000	18.47	39.80	54.32	43.75	47.70	68.20 -20.50 peak

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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5500 TX RSE  
: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	7056.092	11.72	36.31	56.66	53.16	44.53	68.20 -23.67 Peak
2 pp	8764.146	12.19	38.50	55.21	52.34	47.82	68.20 -20.38 peak
3	11000.000	14.17	39.40	53.50	46.86	46.93	74.00 -27.07 peak
4	13365.320	16.13	40.30	54.46	48.22	50.19	74.00 -23.81 Peak
5	16500.000	17.74	38.90	54.15	44.32	46.81	68.20 -21.39 peak
6	17844.590	18.62	42.77	54.47	44.81	51.73	74.00 -22.27 Peak

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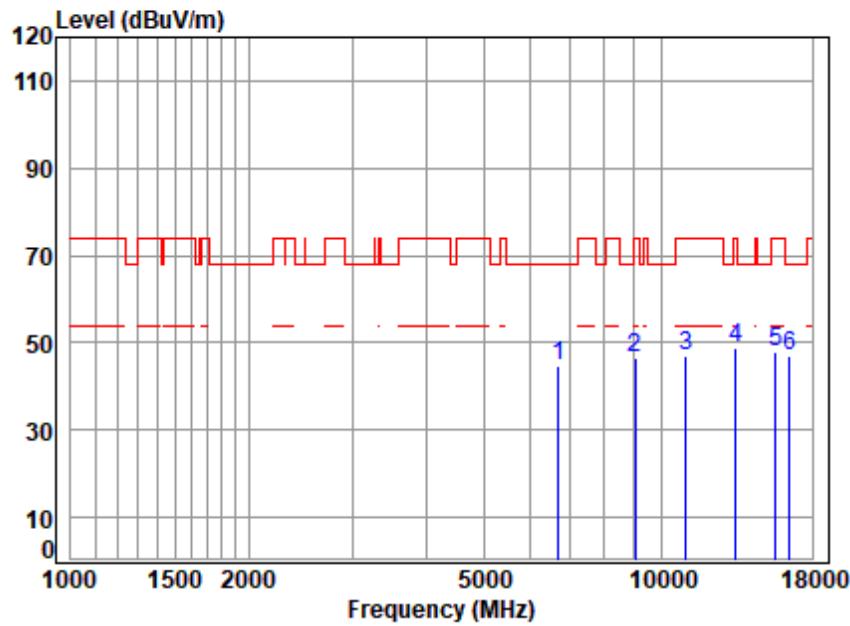
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5500 TX RSE

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6698.373	11.41	35.40	56.76	54.68	44.73	68.20 -23.47 Peak
2	9021.160	12.14	38.60	54.98	50.70	46.46	74.00 -27.54 Peak
3	11000.000	14.17	39.40	53.50	46.97	47.04	74.00 -26.96 peak
4	13365.320	16.13	40.30	54.46	46.90	48.87	74.00 -25.13 Peak
5	15622.990	17.19	38.52	54.11	46.41	48.01	74.00 -25.99 Peak
6	pp16500.000	17.74	38.90	54.15	44.40	46.89	68.20 -21.31 peak

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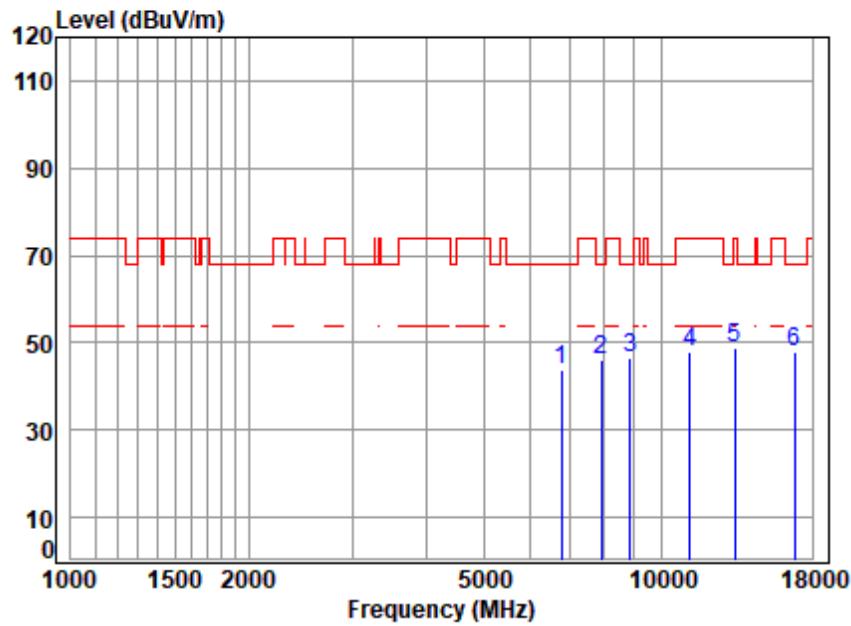
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5600 TX RSE

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	Line	
1	6776.265	11.38	35.81	56.74	53.35	43.80	68.20	-24.40 Peak
2	7920.911	11.54	37.64	55.96	52.66	45.88	68.20	-22.32 Peak
3	8840.473	12.24	38.50	55.14	51.07	46.67	68.20	-21.53 peak
4	11200.000	14.76	39.60	53.56	47.17	47.97	74.00	-26.03 peak
5	13326.750	16.37	40.30	54.47	46.67	48.87	74.00	-25.13 Peak
6	pp16800.000	17.46	39.60	54.24	45.08	47.90	68.20	-20.30 peak

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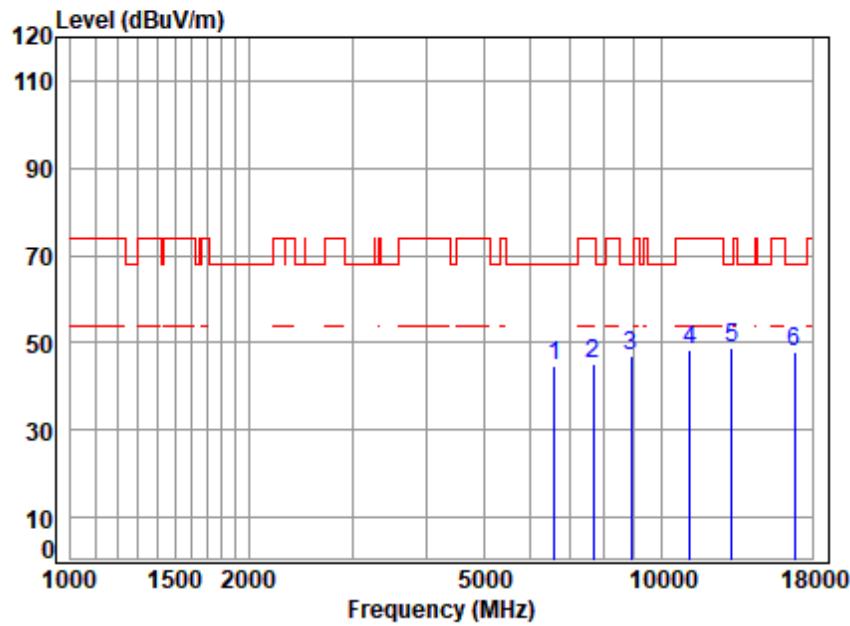
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5600 TX RSE

: 5G Wi-Fi 11ax20

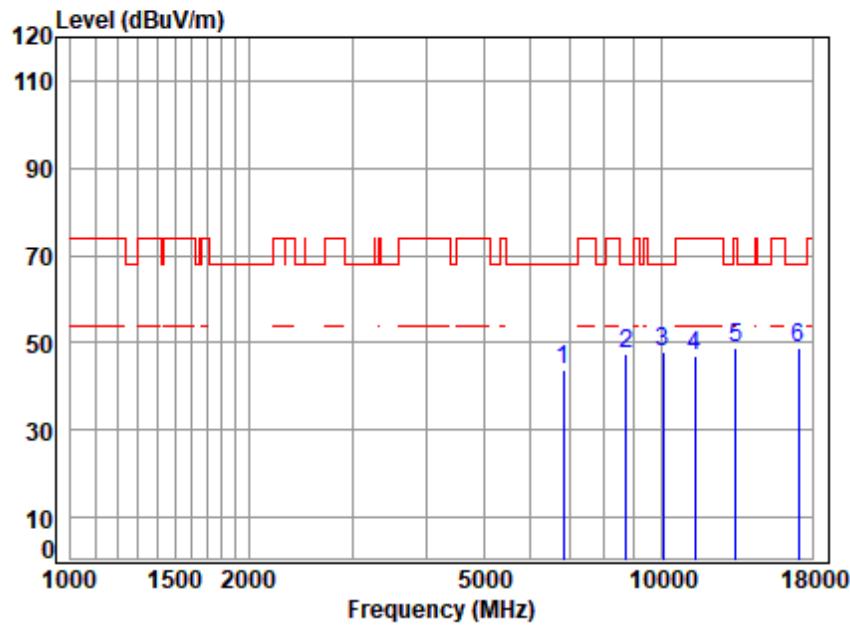
Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	6602.265	11.60	35.21	56.78	54.62	44.65	68.20	-23.55 Peak
2	7673.034	11.35	36.90	56.16	52.92	45.01	74.00	-28.99 Peak
3	8891.725	12.22	38.58	55.10	51.12	46.82	68.20	-21.38 peak
4	11200.000	14.76	39.60	53.56	47.40	48.20	74.00	-25.80 peak
5	pp13173.560	15.64	40.23	54.48	47.52	48.91	68.20	-19.29 Peak
6	16800.000	17.46	39.60	54.24	45.09	47.91	68.20	-20.29 peak

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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5700 TX RSE

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6835.278	11.37	35.97	56.73	53.09	43.70	68.20 -24.50 Peak
2	8713.630	12.11	38.57	55.26	51.91	47.33	68.20 -20.87 peak
3	10068.450	13.19	39.04	54.06	49.81	47.98	68.20 -20.22 Peak
4	11400.000	14.21	39.70	53.62	46.84	47.13	74.00 -26.87 peak
5	13365.320	16.13	40.30	54.46	47.07	49.04	74.00 -24.96 Peak
6	pp17100.000	18.47	39.80	54.32	44.83	48.78	68.20 -19.42 peak

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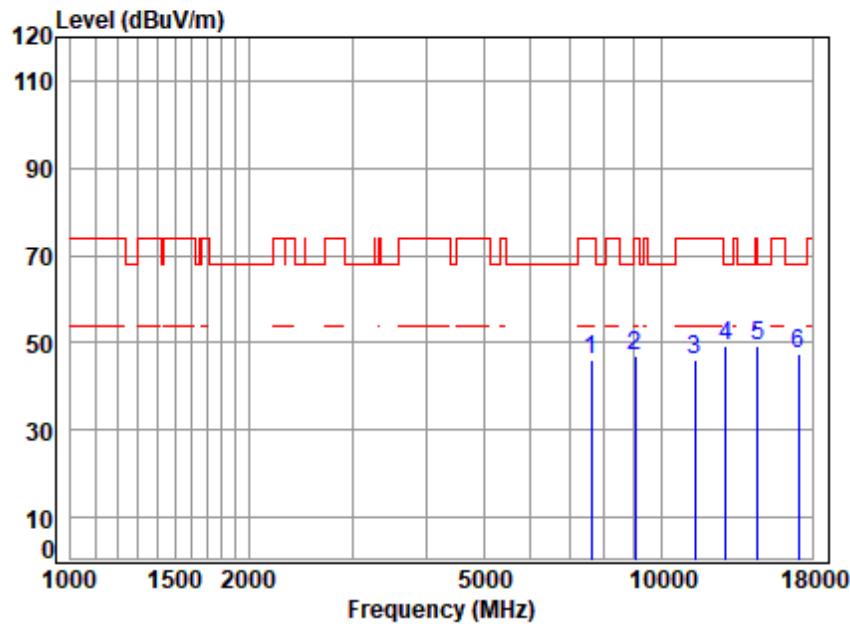
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5700 TX RSE

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	Line	
1	7606.788	11.11	36.81	56.21	54.17	45.88	74.00	-28.12 Peak
2	9047.272	12.14	38.60	54.96	51.12	46.90	74.00	-27.10 Peak
3	11400.000	14.21	39.70	53.62	45.86	46.15	74.00	-27.85 peak
4	pp12835.290	15.55	40.34	54.38	47.61	49.12	68.20	-19.08 Peak
5	14533.910	16.79	39.43	54.35	47.19	49.06	68.20	-19.14 Peak
6	17100.000	18.47	39.80	54.32	43.71	47.66	68.20	-20.54 peak

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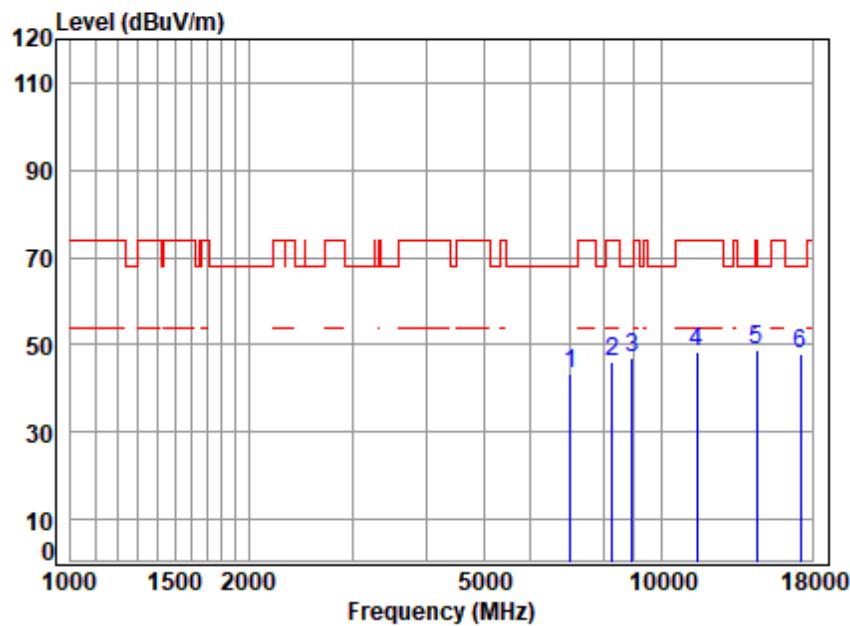
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5745 TX RSE

: 5.8G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	7015.420	11.47	36.23	56.69	52.39	43.40	68.20	-24.80 Peak
2	8248.005	11.66	37.81	55.68	52.51	46.30	74.00	-27.70 Peak
3	8917.462	12.21	38.57	55.07	51.14	46.85	68.20	-21.35 peak
4	11490.000	14.97	39.61	53.65	47.31	48.24	74.00	-25.76 peak
5	14491.960	17.07	39.51	54.35	46.79	49.02	74.00	-24.98 Peak
6	pp17235.000	17.83	40.01	54.35	44.40	47.89	68.20	-20.31 peak

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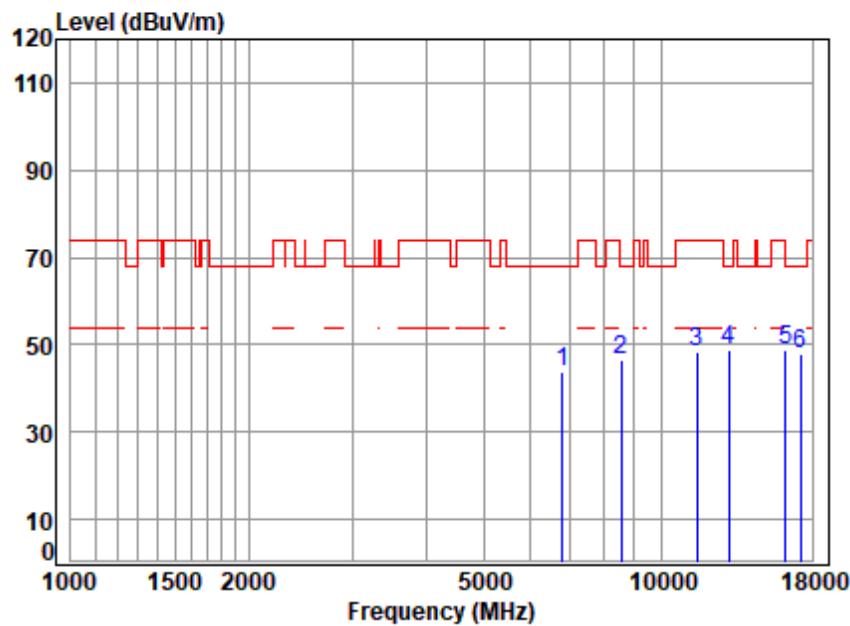
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Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5745 TX RSE

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	Line	
1	6795.879	11.37	35.88	56.74	53.31	43.82	68.20	-24.38 Peak
2	8563.818	12.09	38.36	55.39	51.55	46.61	68.20	-21.59 Peak
3	11490.000	14.97	39.61	53.65	47.29	48.22	74.00	-25.78 peak
4	pp13022.130	15.82	40.30	54.50	47.35	48.97	68.20	-19.23 Peak
5	16221.190	17.20	38.52	54.07	47.27	48.92	68.20	-19.28 Peak
6	17235.000	17.83	40.01	54.35	44.63	48.12	68.20	-20.08 peak

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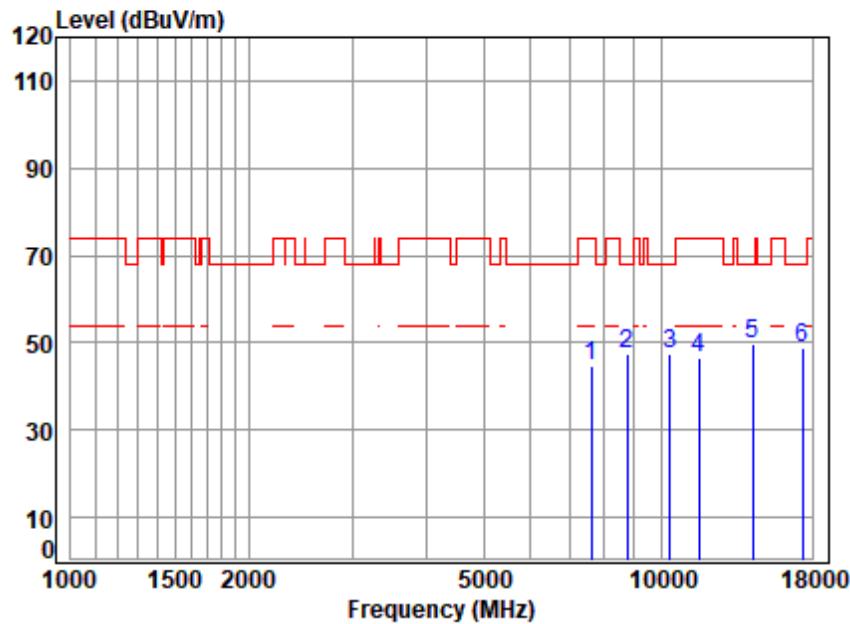
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5785 TX RSE  
: 5.8G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	7606.788	11.11	36.81	56.21	52.78	44.49	74.00 -29.51 Peak
2	8738.852	12.15	38.52	55.24	51.85	47.28	68.20 -20.92 peak
3	10363.710	13.61	39.00	53.88	48.81	47.54	68.20 -20.66 Peak
4	11570.000	14.78	39.60	53.67	45.97	46.68	74.00 -27.32 peak
5	pp14284.030	16.31	39.80	54.37	47.85	49.59	68.20 -18.61 Peak
6	17355.000	18.00	40.31	54.37	44.76	48.70	68.20 -19.50 peak

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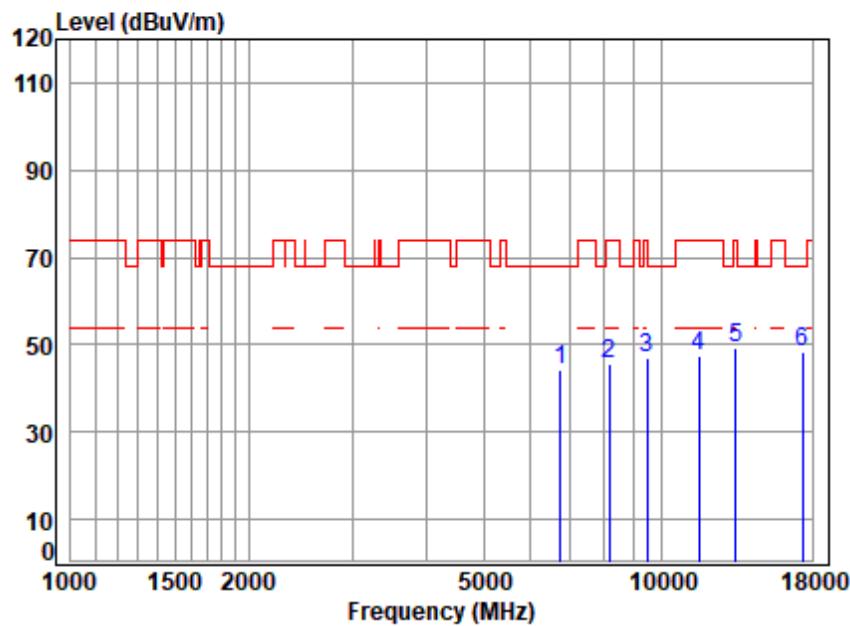
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Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5785 TX RSE

: 5.8G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	Line	
1	6756.708	11.39	35.73	56.75	53.95	44.32	68.20	-23.88 Peak
2	8153.195	11.51	37.91	55.76	52.12	45.78	74.00	-28.22 Peak
3	9475.497	12.50	38.85	54.57	50.14	46.92	74.00	-27.08 Peak
4	11570.000	14.78	39.60	53.67	46.87	47.58	74.00	-26.42 peak
5	13365.320	16.13	40.30	54.46	47.10	49.07	74.00	-24.93 Peak
6	pp17355.000	18.00	40.31	54.37	44.38	48.32	68.20	-19.88 peak

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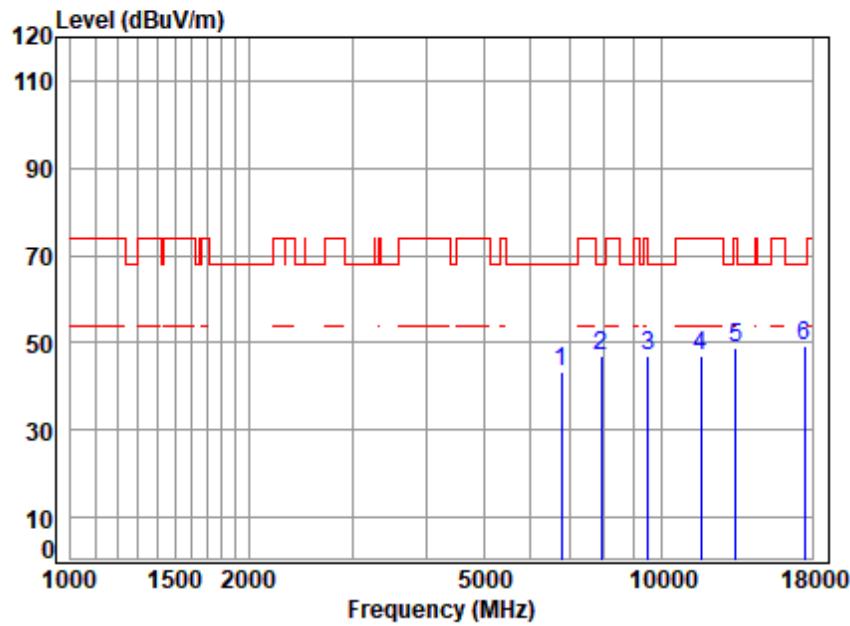
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5825 TX RSE  
: 5.8G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6776.265	11.38	35.81	56.74	53.05	43.50	68.20 -24.70 Peak
2	7920.911	11.54	37.64	55.96	53.64	46.86	68.20 -21.34 peak
3	9502.925	12.56	38.89	54.55	50.07	46.97	68.20 -21.23 Peak
4	11650.000	14.69	39.55	53.69	46.60	47.15	74.00 -26.85 peak
5	13365.320	16.13	40.30	54.46	46.77	48.74	74.00 -25.26 Peak
6	pp17475.000	18.35	40.78	54.40	44.56	49.29	68.20 -18.91 peak

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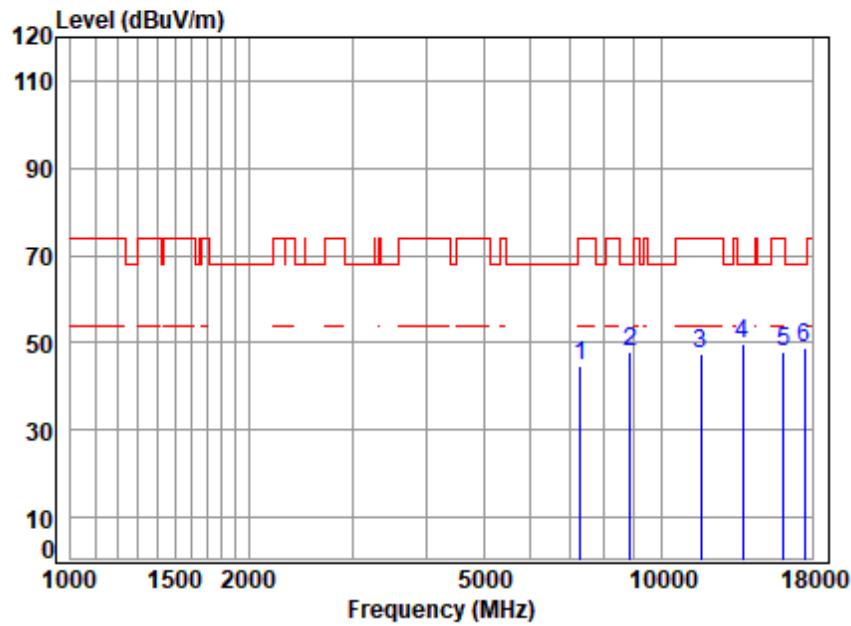
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Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5825 TX RSE

: 5.8G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	7284.038	11.51	36.67	56.47	53.08	44.79	74.00 -29.21 Peak
2	8866.062	12.23	38.53	55.12	52.37	48.01	68.20 -20.19 Peak
3	11650.000	14.69	39.55	53.69	46.85	47.40	74.00 -26.60 peak
4	pp13717.560	16.33	39.98	54.43	48.04	49.92	68.20 -18.28 Peak
5	16127.690	17.11	38.50	54.04	46.42	47.99	74.00 -26.01 Peak
6	17475.000	18.35	40.78	54.40	44.22	48.95	68.20 -19.25 peak

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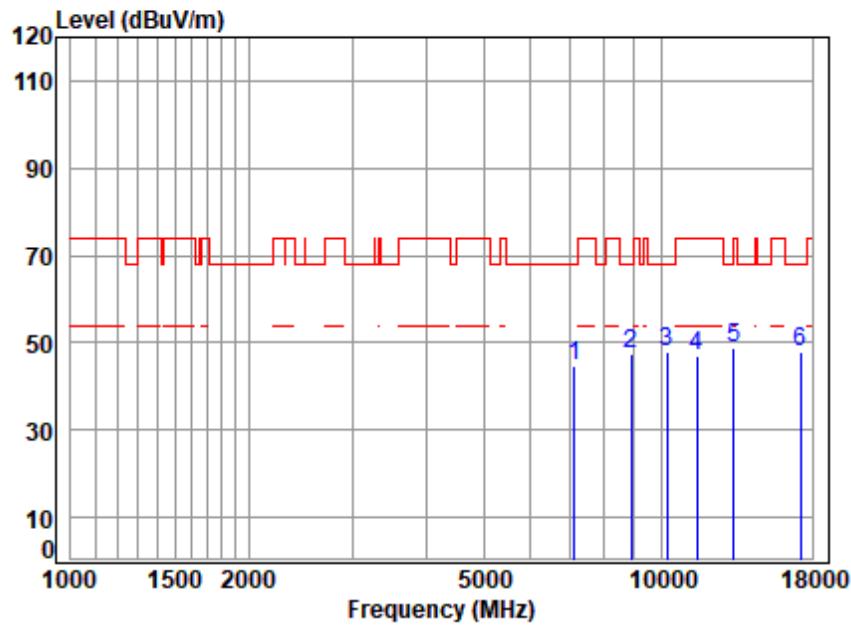
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5745 TX RSE  
: 5.8G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark		
	MHz	Loss	Factor	Factor	Level	Level	Line	Limit	
1	7117.542	11.91	36.44	56.61	52.86	44.60	68.20	-23.60	Peak
2	8891.725	12.22	38.58	55.10	51.82	47.52	68.20	-20.68	peak
3	10244.580	13.31	39.06	53.95	49.32	47.74	68.20	-20.46	Peak
4	11490.000	14.97	39.61	53.65	46.26	47.19	74.00	-26.81	peak
5	pp13249.930	16.10	40.25	54.48	47.04	48.91	68.20	-19.29	Peak
6	17235.000	17.83	40.01	54.35	44.47	47.96	68.20	-20.24	peak

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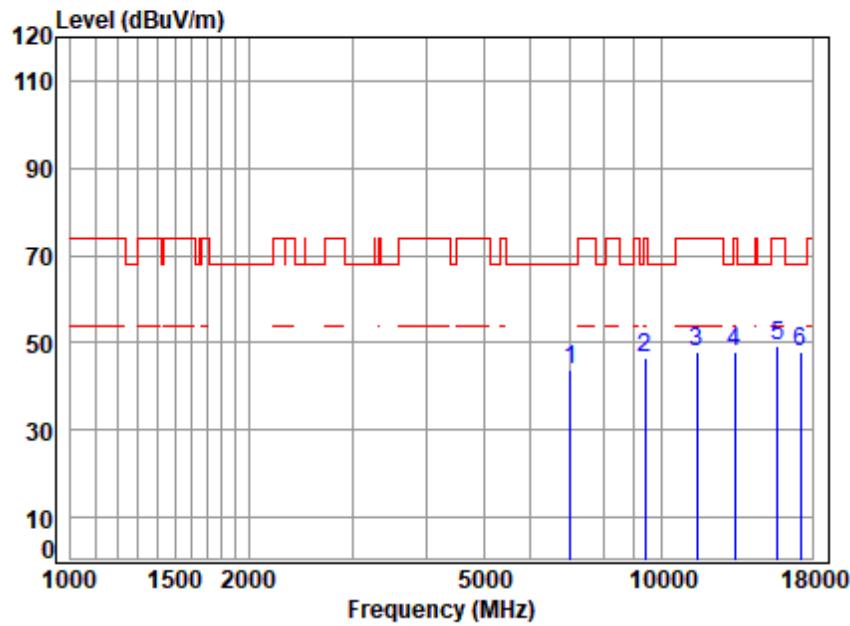
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5745 TX RSE

: 5.8G Wi-Fi 11ax20

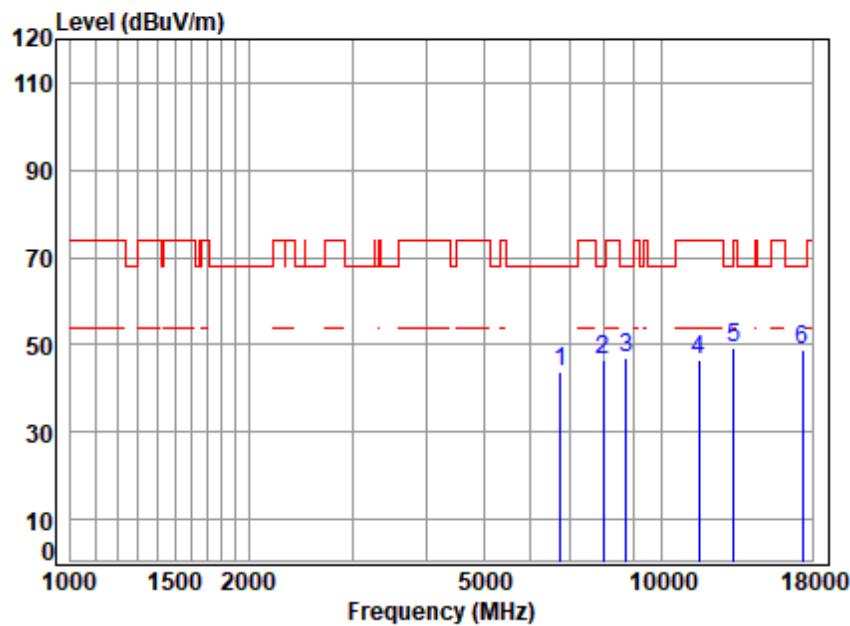
Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Freq	Loss	Factor	Factor	Level	Level	Line	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	7015.420	11.47	36.23	56.69	52.94	43.95	68.20	-24.25 Peak
2	9393.689	12.29	38.80	54.65	50.30	46.74	74.00	-27.26 Peak
3	11490.000	14.97	39.61	53.65	47.13	48.06	74.00	-25.94 peak
4	13326.750	16.37	40.30	54.47	45.64	47.84	74.00	-26.16 Peak
5	15713.560	17.24	38.59	54.09	47.44	49.18	74.00	-24.82 Peak
6	pp17235.000	17.83	40.01	54.35	44.30	47.79	68.20	-20.41 peak

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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5785 TX RSE  
: 5.8G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6756.708	11.39	35.73	56.75	53.38	43.75	68.20 -24.45 Peak
2	7989.893	11.56	37.78	55.91	53.19	46.62	68.20 -21.58 Peak
3	8713.630	12.11	38.57	55.26	51.57	46.99	68.20 -21.21 peak
4	11570.000	14.78	39.60	53.67	45.86	46.57	74.00 -27.43 peak
5	13288.280	16.44	40.29	54.47	46.90	49.16	74.00 -24.84 Peak
6	pp17355.000	18.00	40.31	54.37	44.87	48.81	68.20 -19.39 peak

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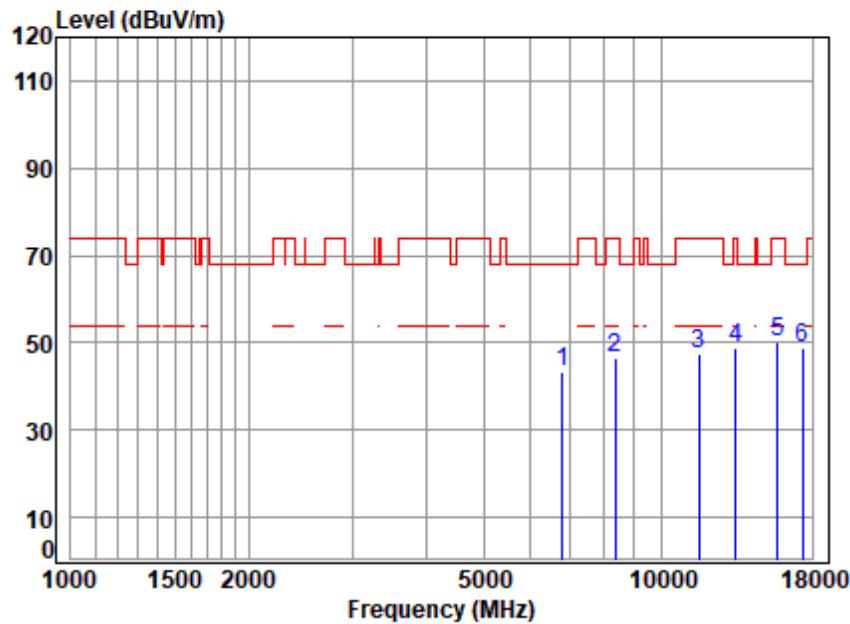
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5785 TX RSE

: 5.8G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6795.879	11.37	35.88	56.74	52.89	43.40	68.20 -24.80 Peak
2	8368.069	11.67	38.66	55.57	51.71	46.47	74.00 -27.53 Peak
3	11570.000	14.78	39.60	53.67	46.95	47.66	74.00 -26.34 peak
4	13365.320	16.13	40.30	54.46	46.87	48.84	74.00 -25.16 Peak
5	15713.560	17.24	38.59	54.09	48.44	50.18	74.00 -23.82 Peak
6	pp17355.000	18.00	40.31	54.37	44.69	48.63	68.20 -19.57 peak

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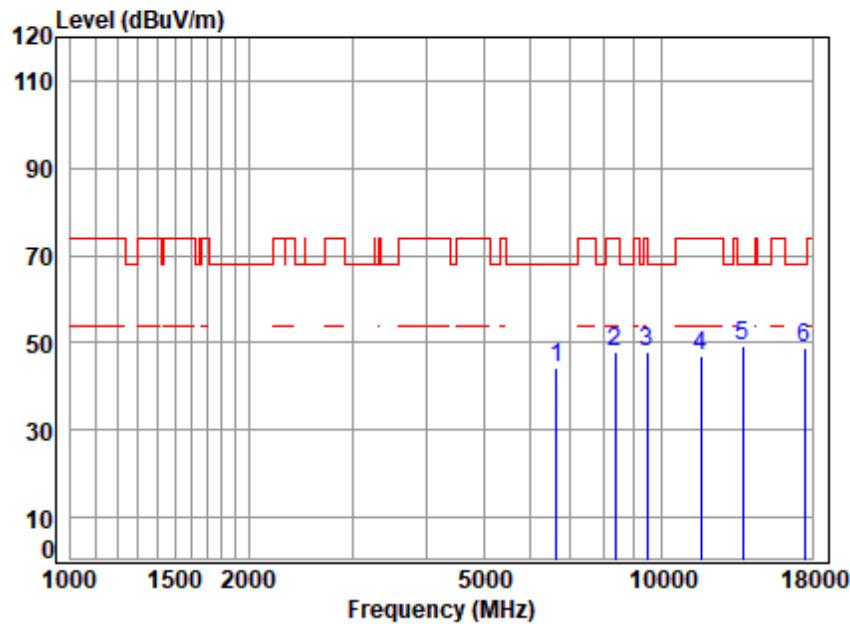
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5825 TX RSE  
: 5.8G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6640.542	11.52	35.44	56.77	54.06	44.25	68.20 -23.95 Peak
2	8368.069	11.67	38.66	55.57	53.31	48.07	74.00 -25.93 peak
3	9448.149	12.43	38.80	54.60	51.37	48.00	74.00 -26.00 Peak
4	11650.000	14.69	39.55	53.69	46.53	47.08	74.00 -26.92 peak
5	pp13717.560	16.33	39.98	54.43	47.21	49.09	68.20 -19.11 Peak
6	17475.000	18.35	40.78	54.40	44.01	48.74	68.20 -19.46 peak

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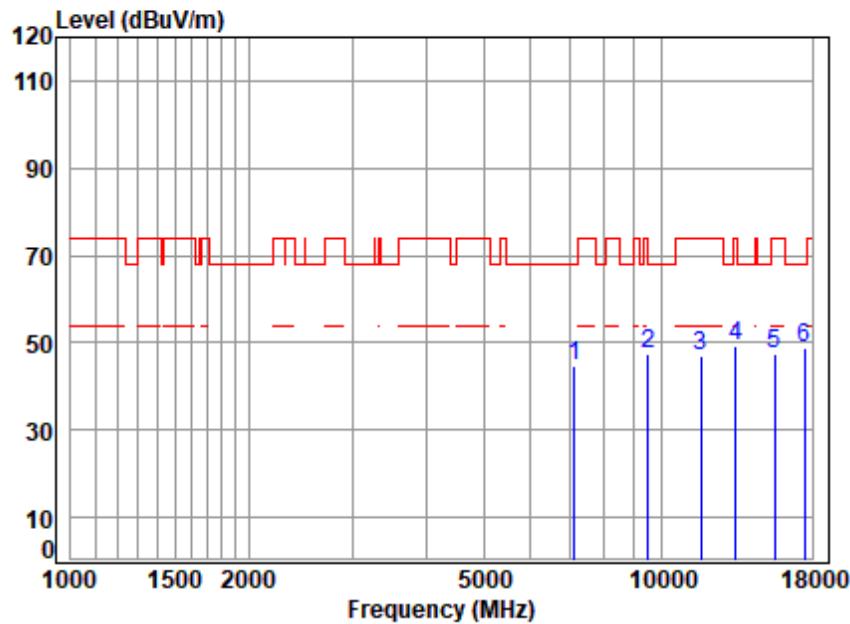
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5825 TX RSE

: 5.8G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	Line	
1	7117.542	11.91	36.44	56.61	52.84	44.58	68.20	-23.62 Peak
2	9502.925	12.56	38.89	54.55	50.38	47.28	68.20	-20.92 Peak
3	11650.000	14.69	39.55	53.69	46.47	47.02	74.00	-26.98 peak
4	13365.320	16.13	40.30	54.46	47.09	49.06	74.00	-24.94 Peak
5	15577.900	17.11	38.52	54.13	46.11	47.61	74.00	-26.39 Peak
6	pp17475.000	18.35	40.78	54.40	44.03	48.76	68.20	-19.44 peak

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

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

Test Method: ANSI C63.10 (2013) Section 6.10.5

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

\*(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.

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

Operating Environment:

Temperature: 22.2 °C

Humidity: 50.4 % RH

Atmospheric Pressure: 1020 mbar

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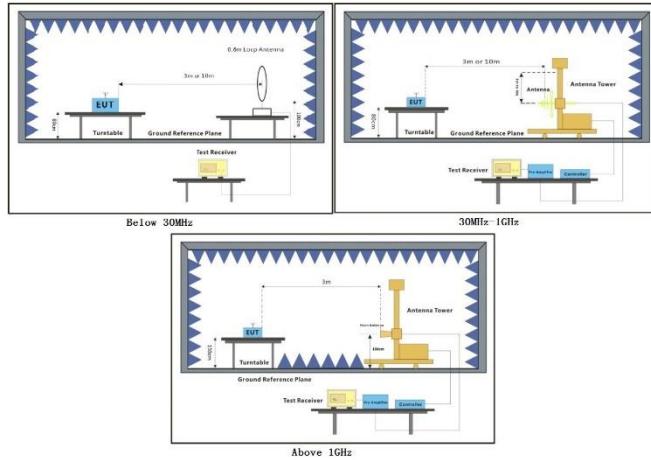
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#### 7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	01	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.

#### 7.4.3 Test Setup Diagram



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**7.4.4 Measurement Procedure and Data**

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. 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 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

Remark 2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for Peak detection (PK) and Average detection (AV) at frequency above 1GHz.

Remark 3. For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is  $\geq 1/T$  (Duty cycle  $< 98\%$ ) or 10Hz (Duty cycle  $\geq 98\%$ ) for Average detection (AV) at frequency above 1GHz.



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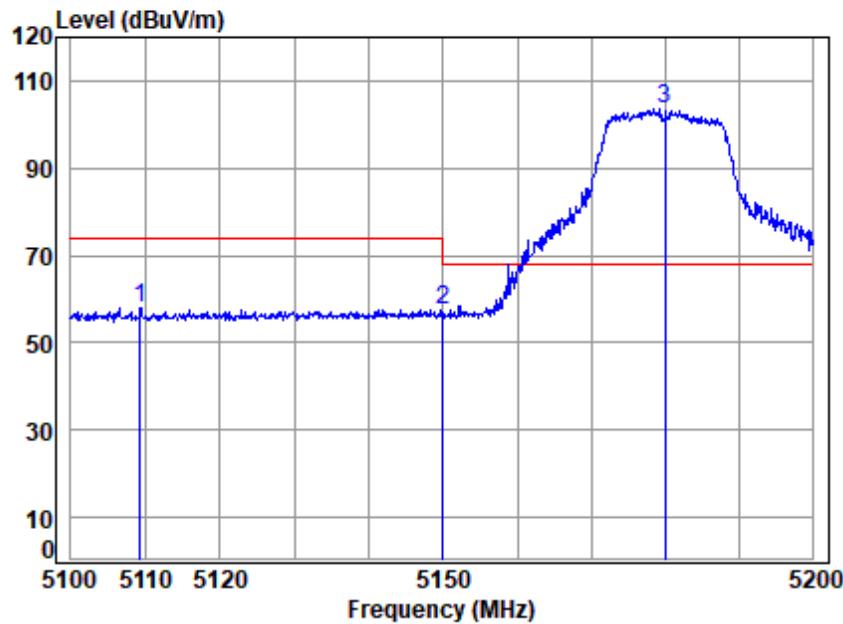
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5180 Band edge  
: 5G Wi-Fi 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	5109.317	9.99	32.32	30.86	46.63	58.08	74.00	-15.92	peak
2	5149.980	10.14	32.40	30.84	45.78	57.48	74.00	-16.52	peak
3 pp	5180.000	10.25	32.46	30.83	91.68	103.56	68.20	35.36	peak

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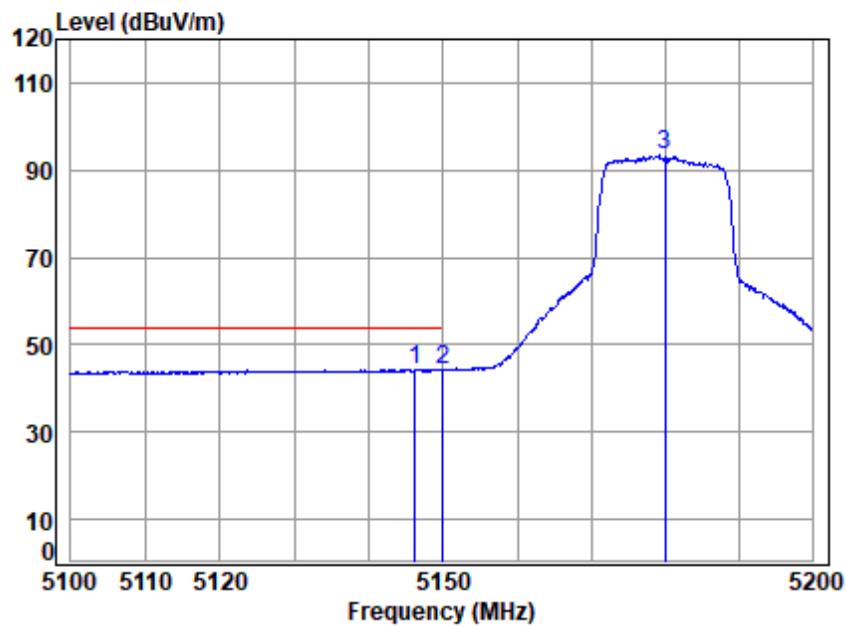
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5180 Band edge  
: 5G Wi-Fi 11a

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	Level			
1 pp	5146.258	10.13	32.39	30.84	32.66	44.34	54.00	-9.66 Average
2	5149.980	10.14	32.40	30.84	32.57	44.27	54.00	-9.73 Average
3	5180.000	10.25	32.46	30.83	81.43	93.31	-----	----- Average

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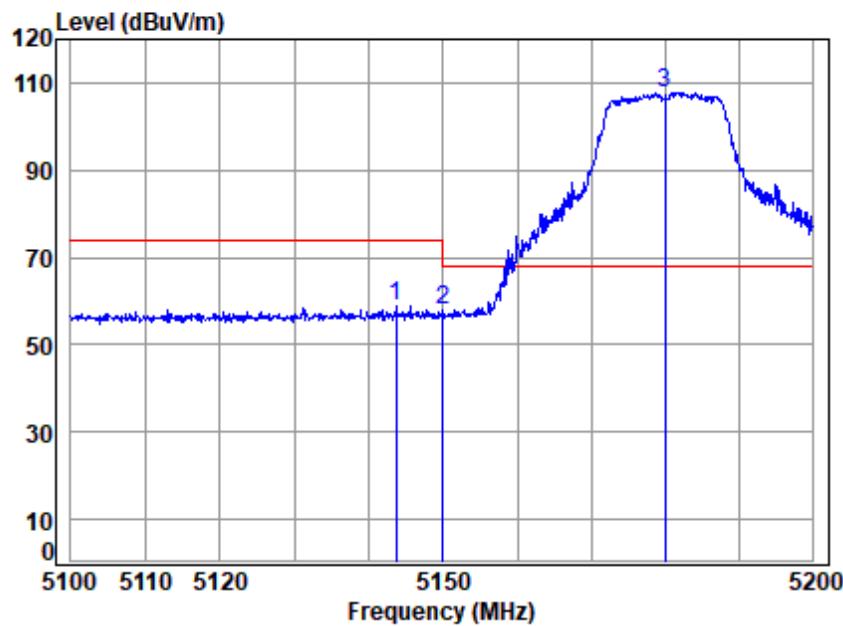
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Test Mode: 00; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5180 Band edge  
: 5G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5143.661	10.12	32.39	30.84	47.37	59.04	74.00	-14.96 Peak
2	5149.980	10.14	32.40	30.84	46.17	57.87	74.00	-16.13 Peak
3 pp	5180.000	10.25	32.46	30.83	95.95	107.83	68.20	39.63 Peak

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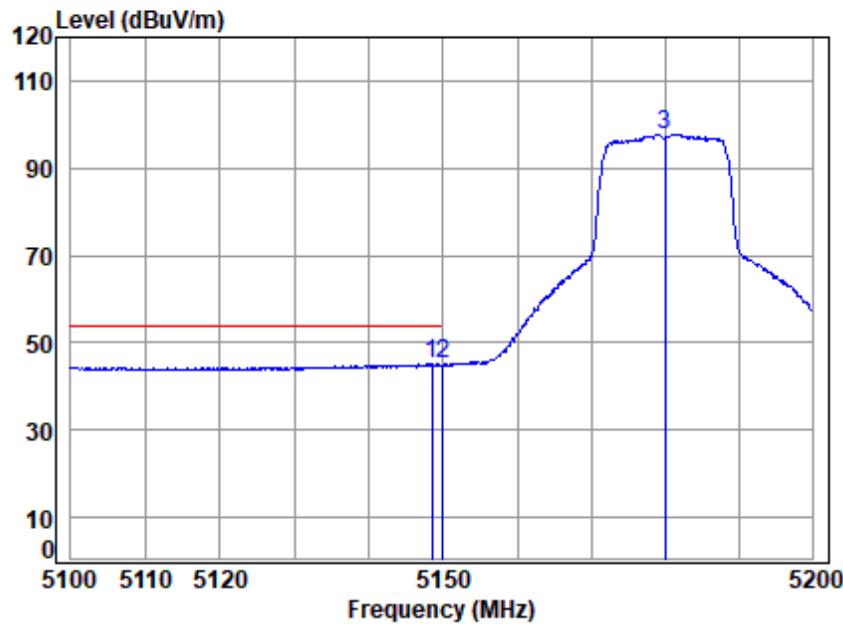
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Test Mode: 00; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT  
Mode : 5180 Band edge  
: 5G Wi-Fi 11a

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	dBuV			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5148.458	10.13	32.40	30.84	33.42	45.11	54.00	-8.89 Average
2	5149.980	10.14	32.40	30.84	33.37	45.07	54.00	-8.93 Average
3	5180.000	10.25	32.46	30.83	85.94	97.82	-----	----- Average

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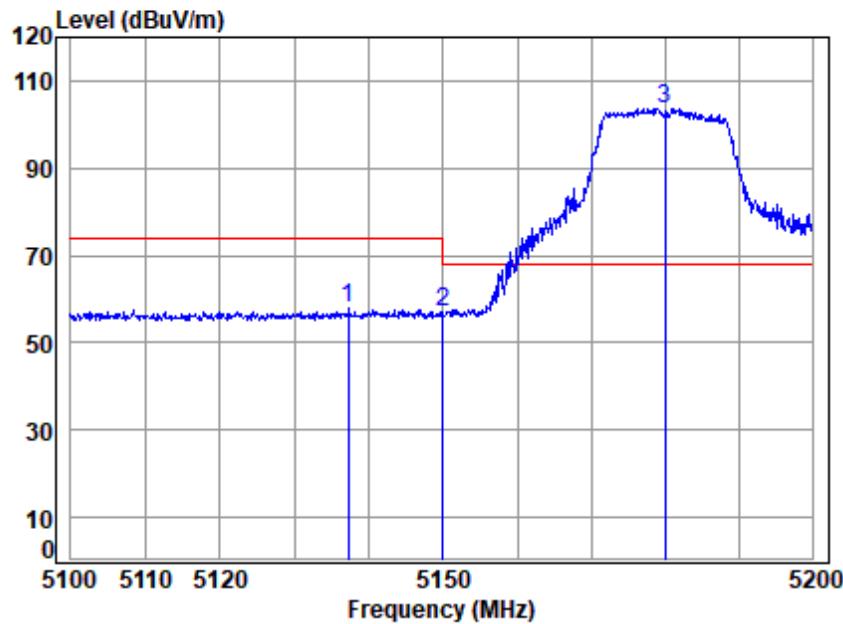
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5180 Band edge  
: 5G Wi-Fi 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	5137.272	10.09	32.37	30.85	46.22	57.83	74.00 -16.17 peak
2	5149.980	10.14	32.40	30.84	45.18	56.88	74.00 -17.12 peak
3 pp	5180.000	10.25	32.46	30.83	91.89	103.77	68.20 35.57 peak

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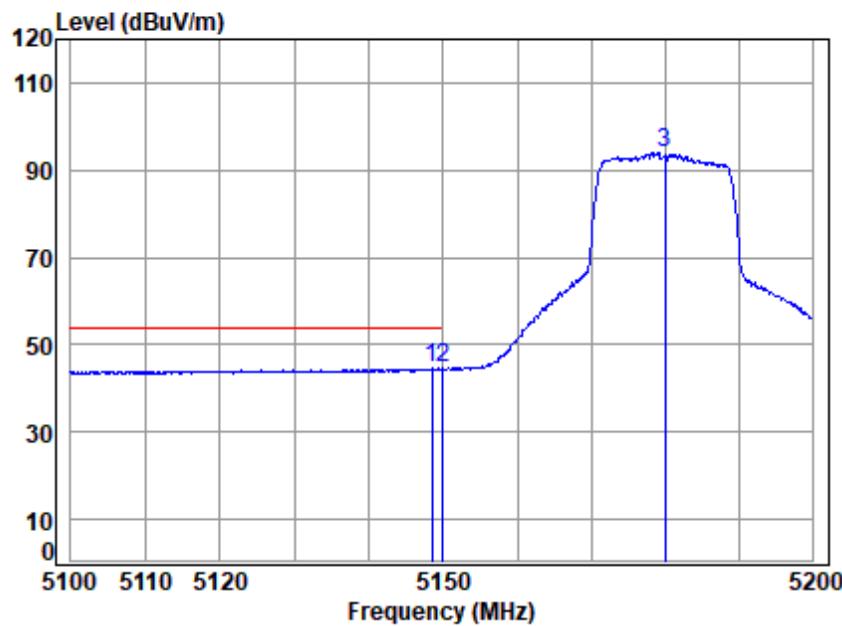
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5180 Band edge  
: 5G Wi-Fi 11n20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level	Level	Line		
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5148.458	10.13	32.40	30.84	32.85	44.54	54.00	-9.46 Average
2	5149.980	10.14	32.40	30.84	32.80	44.50	54.00	-9.50 Average
3	5180.000	10.25	32.46	30.83	82.03	93.91	-----	----- Average

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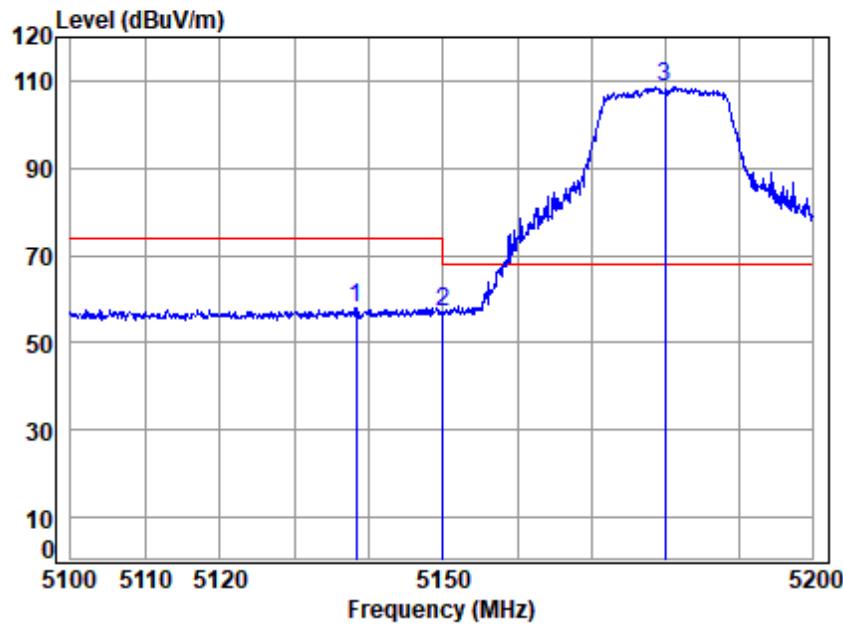
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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5180 Band edge  
: 5G Wi-Fi 11n20

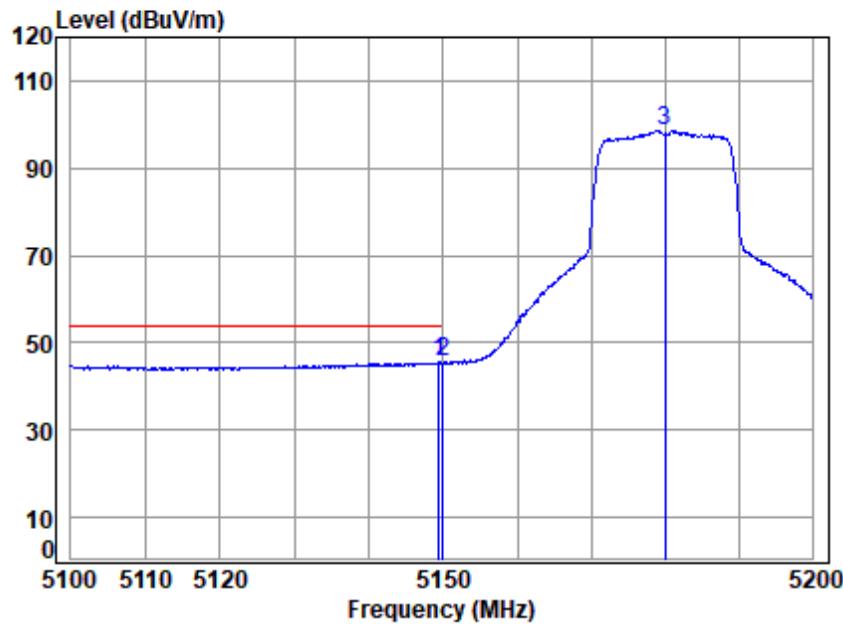
Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5138.271	10.10	32.38	30.84	46.53	58.17	74.00	-15.83 Peak
2	5149.980	10.14	32.40	30.84	45.43	57.13	74.00	-16.87 Peak
3 pp	5180.000	10.25	32.46	30.83	96.89	108.77	68.20	40.57 Peak

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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5180 Band edge  
: 5G Wi-Fi 11n20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5149.458	10.14	32.40	30.84	33.84	45.54	54.00 -8.46 Average
2 pp	5149.980	10.14	32.40	30.84	33.88	45.58	54.00 -8.42 Average
3	5180.000	10.25	32.46	30.83	86.66	98.54	----- Average

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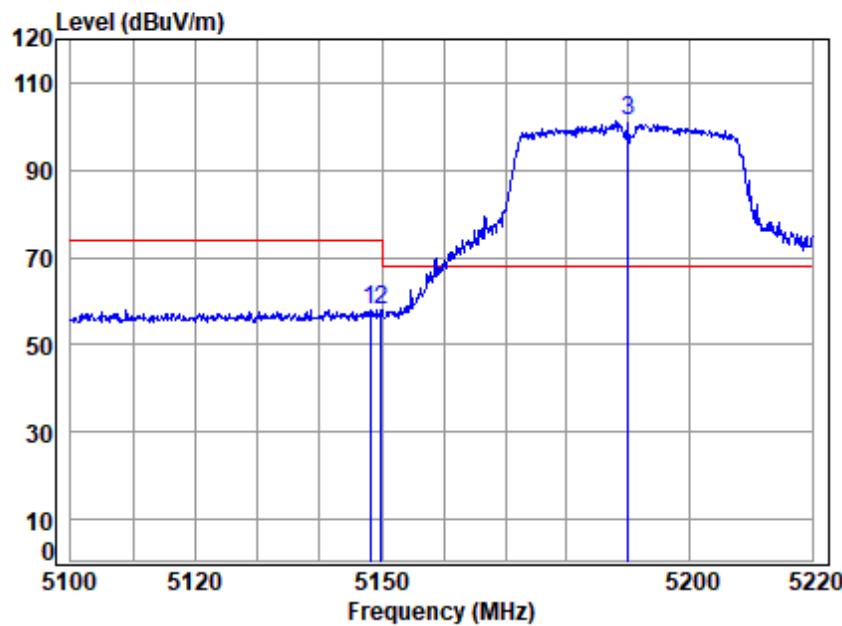
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5190 Band edge  
: 5G Wi-Fi 11n40

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.144	10.13	32.40	30.84	46.34	58.03	74.00	-15.97 peak
2	5149.980	10.14	32.40	30.84	46.22	57.92	74.00	-16.08 peak
3 pp	5190.000	10.29	32.48	30.82	89.13	101.08	68.20	32.88 peak

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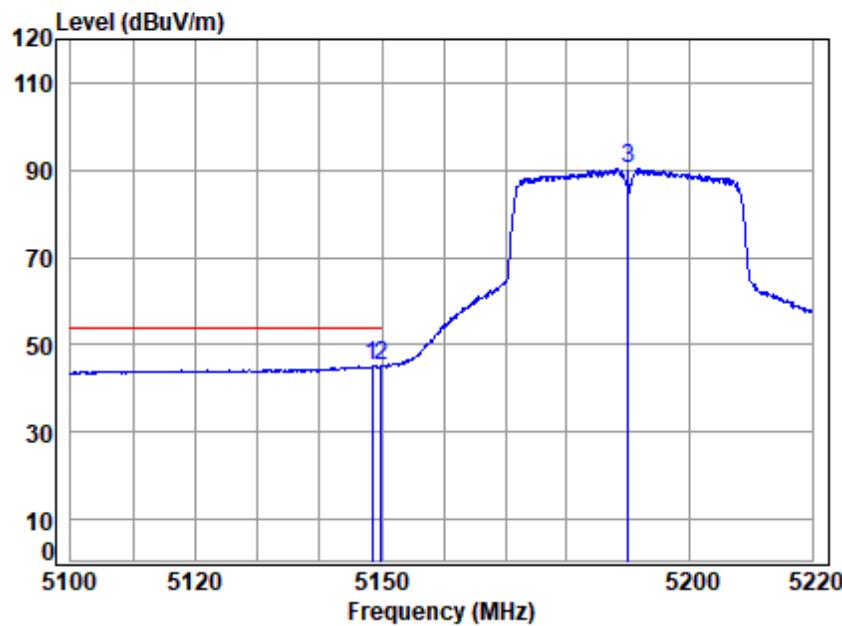
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5190 Band edge  
: 5G Wi-Fi 11n40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5148.503	10.13	32.40	30.84	33.47	45.16	54.00 -8.84 Average
2 pp	5149.980	10.14	32.40	30.84	33.65	45.35	54.00 -8.65 Average
3	5190.000	10.29	32.48	30.82	78.33	90.28	----- ----- Average

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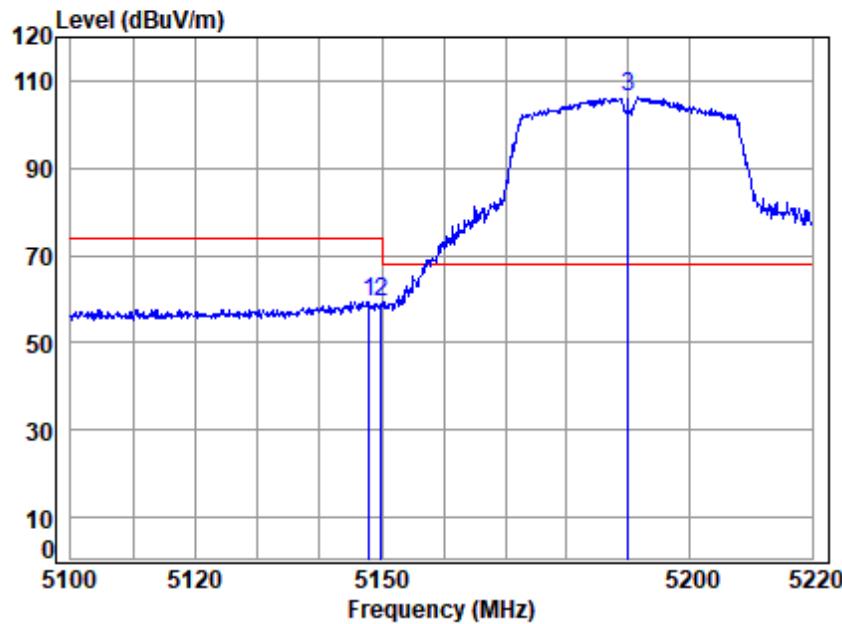
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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5190 Band edge  
: 5G Wi-Fi 11n40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5147.905	10.13	32.40	30.84	47.78	59.47	74.00 -14.53 Peak
2	5149.980	10.14	32.40	30.84	47.52	59.22	74.00 -14.78 Peak
3 pp	5190.000	10.29	32.48	30.82	94.44	106.39	68.20 38.19 Peak

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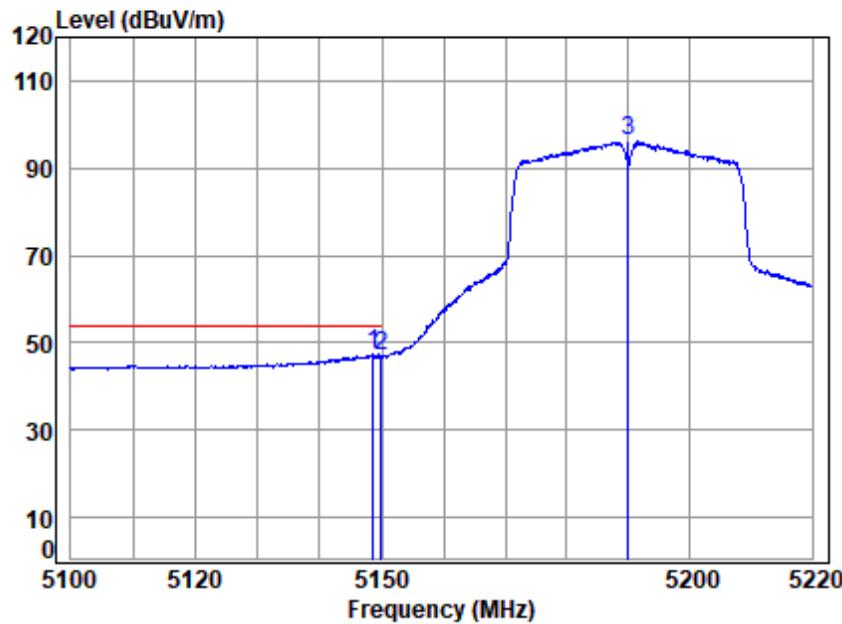
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Test Mode: 00; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5190 Band edge  
: 5G Wi-Fi 11n40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level	Level	Line		
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5148.623	10.13	32.40	30.84	35.64	47.33	54.00	-6.67 Average
2	5149.980	10.14	32.40	30.84	35.45	47.15	54.00	-6.85 Average
3	5190.000	10.29	32.48	30.82	84.12	96.07	-----	----- Average

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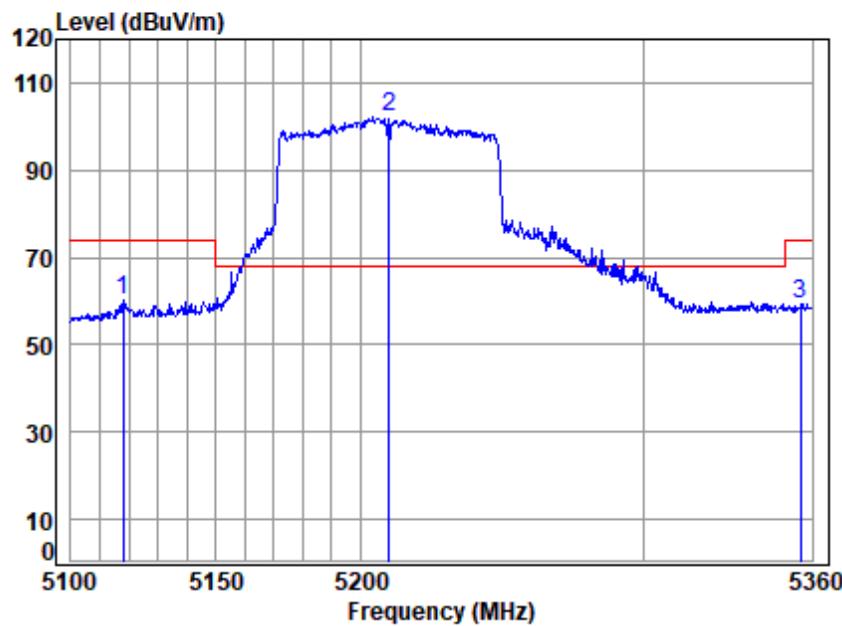
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5210 Band edge

: 5G Wi-Fi 11ac80

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5118.037	10.02	32.34	30.85	48.56	60.07	74.00	-13.93 peak
2 pp	5210.000	10.32	32.52	30.82	90.03	102.05	68.20	33.85 peak
3	5356.004	10.47	32.80	30.76	46.98	59.49	74.00	-14.51 peak

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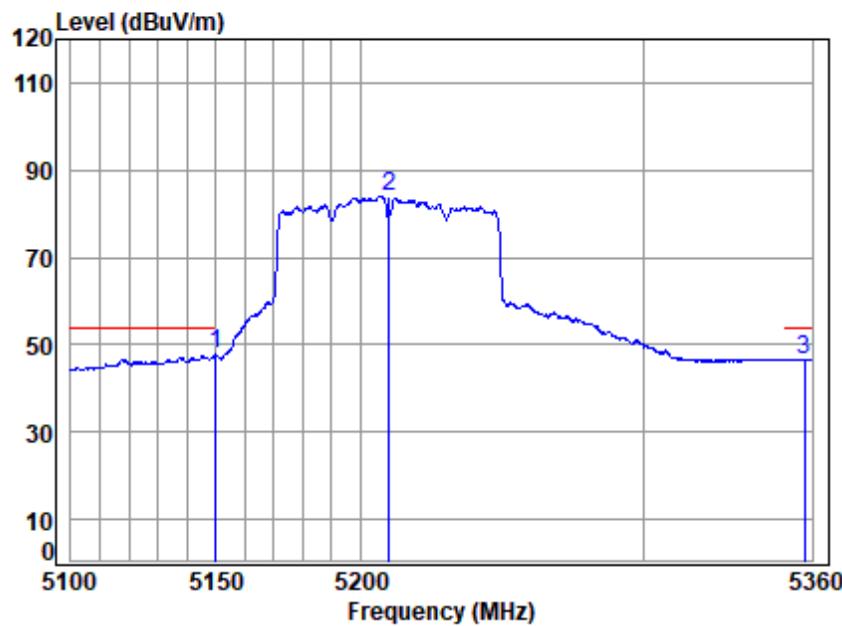
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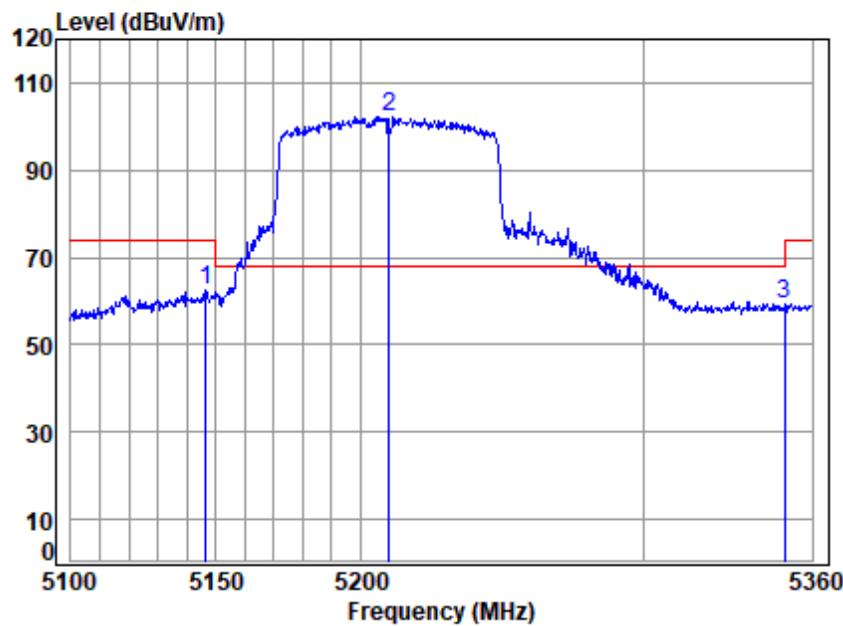
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Test Mode: 00; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5210 Band edge  
: 5G Wi-Fi 11ac80

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5146.363	10.13	32.39	30.84	50.68	62.36	74.00	-11.64 Peak
2 pp	5210.000	10.32	32.52	30.82	90.21	102.23	68.20	34.03 Peak
3	5350.148	10.45	32.80	30.76	46.86	59.35	74.00	-14.65 Peak

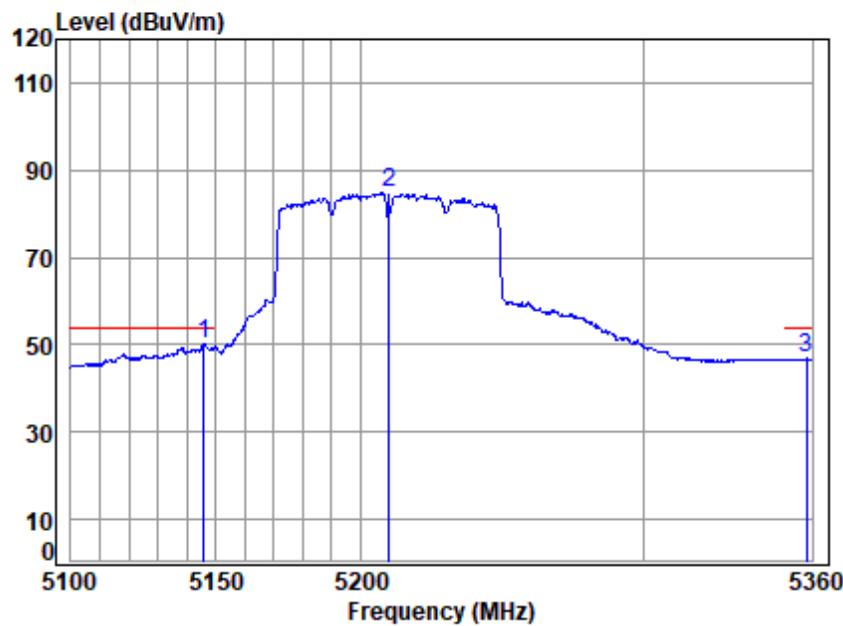
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Test Mode: 00; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5210 Band edge  
: 5G Wi-Fi 11ac80

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5145.595	10.12	32.39	30.84	38.34	50.01	54.00	-3.99 Average
2	5210.000	10.32	32.52	30.82	72.90	84.92	-----	----- Average
3	5357.868	10.48	32.80	30.76	34.28	46.80	54.00	-7.20 Average

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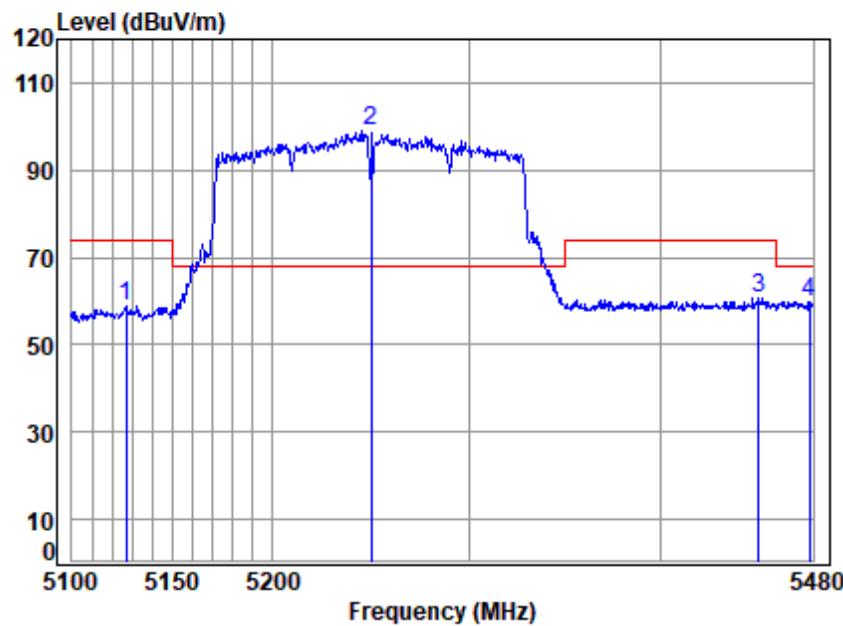
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:160MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5250 Band edge

: 5G Wi-Fi 11ac160

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5127.194	10.05	32.35	30.85	47.45	59.00	74.00 -15.00 peak
2 pp	5250.000	10.31	32.60	30.80	86.79	98.90	68.20 30.70 peak
3	5450.935	10.60	32.90	30.72	47.87	60.65	74.00 -13.35 peak
4	5478.031	10.59	32.90	30.71	47.08	59.86	68.20 -8.34 peak

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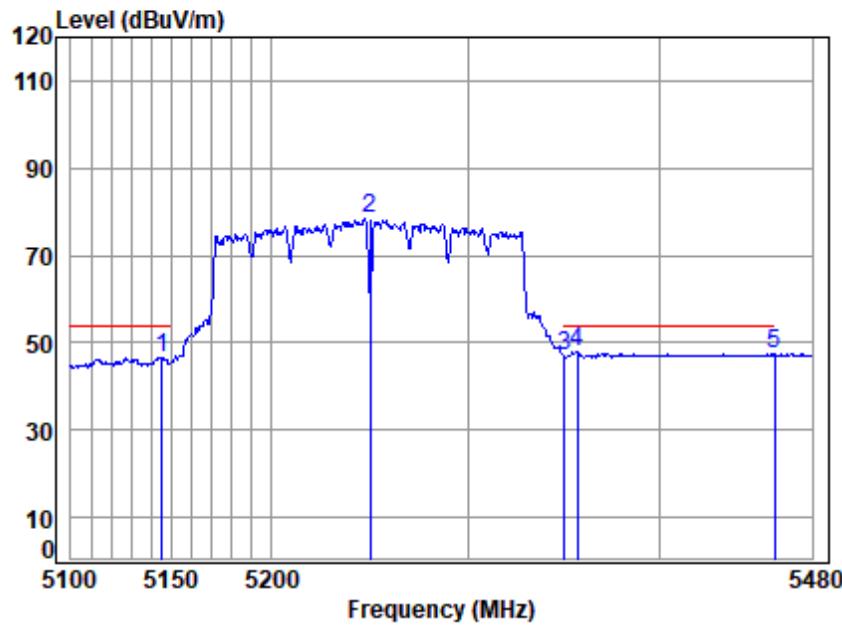
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:160MHz; Channel:middle



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5250 Band edge  
: 5G Wi-Fi 11ac160

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5145.280	10.12	32.39	30.84	35.00	46.67	54.00 -7.33 Average
2	5250.000	10.31	32.60	30.80	66.40	78.51	----- ----- Average
3	5350.118	10.45	32.80	30.76	34.43	46.92	54.00 -7.08 Average
4 pp	5356.956	10.47	32.80	30.76	35.45	47.96	54.00 -6.04 Average
5	5459.929	10.60	32.90	30.72	34.61	47.39	54.00 -6.61 Average

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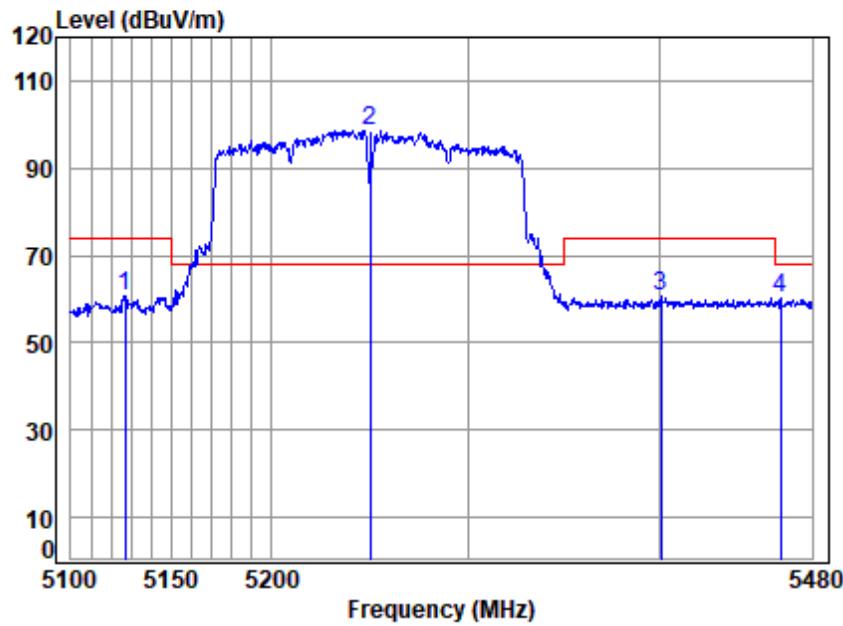
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Test Mode: 00; Polarity: Vertical; Modulation:802.11ac; Bandwidth:160MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5250 Band edge  
: 5G Wi-Fi 11ac160

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5127.194	10.05	32.35	30.85	49.11	60.66	74.00	-13.34 peak
2 pp	5250.000	10.31	32.60	30.80	86.61	98.72	68.20	30.52 peak
3	5400.247	10.62	32.80	30.74	47.84	60.52	74.00	-13.48 peak
4	5463.484	10.59	32.90	30.71	47.47	60.25	68.20	-7.95 peak

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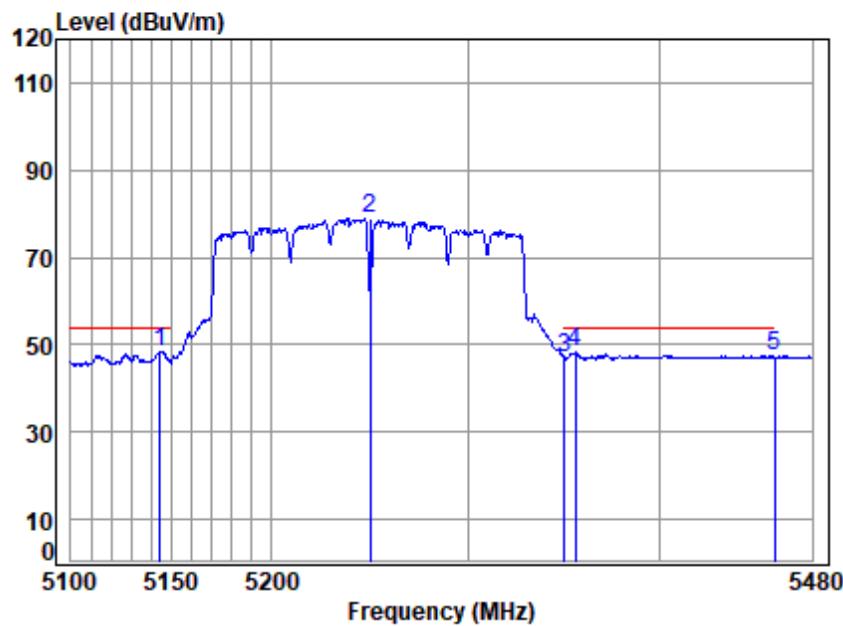
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Test Mode: 00; Polarity: Vertical; Modulation:802.11ac; Bandwidth:160MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5250 Band edge  
: 5G Wi-Fi 11ac160

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1 pp	5144.171	10.12	32.39	30.84	36.83	48.50	54.00 -5.50 Average
2	5250.000	10.31	32.60	30.80	66.99	79.10	----- ----- Average
3	5350.118	10.45	32.80	30.76	34.52	47.01	54.00 -6.99 Average
4	5355.801	10.47	32.80	30.76	35.92	48.43	54.00 -5.57 Average
5	5459.929	10.60	32.90	30.72	34.51	47.29	54.00 -6.71 Average

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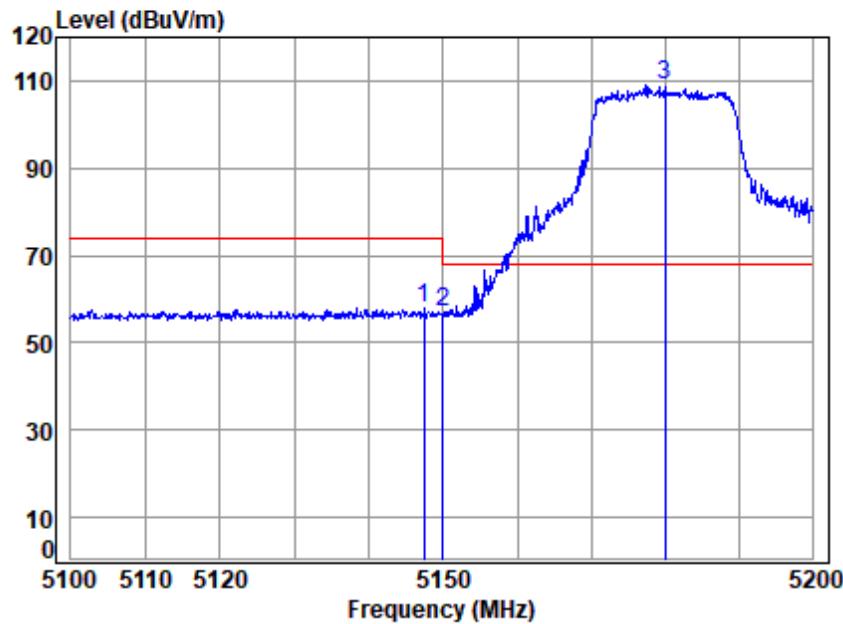
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5180 Band edge

: 5G Wi-Fi 11ax20

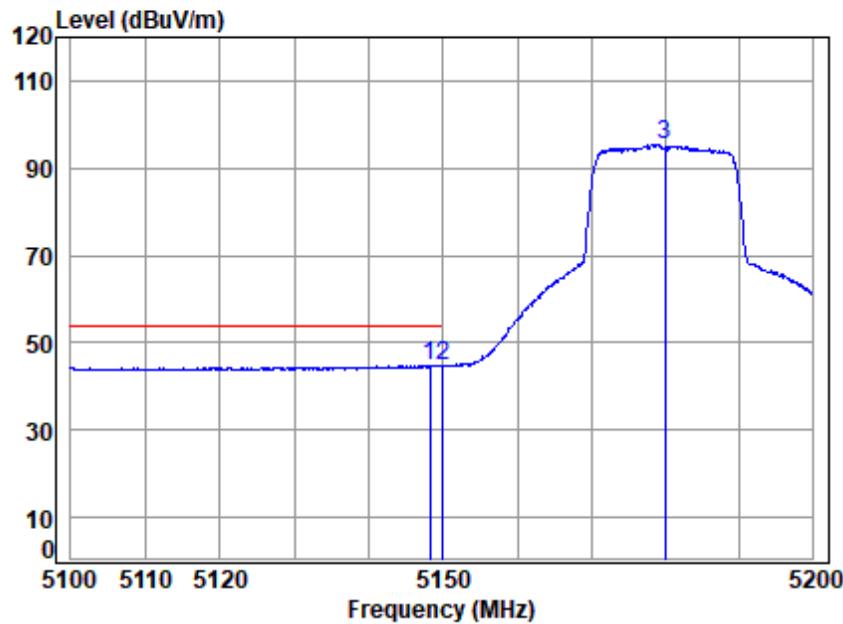
		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5147.458	10.13	32.39	30.84	46.28	57.96	74.00	-16.04	peak
2	5149.980	10.14	32.40	30.84	45.15	56.85	74.00	-17.15	peak
3 pp	5180.000	10.25	32.46	30.83	97.07	108.95	68.20	40.75	peak

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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5180 Band edge

: 5G Wi-Fi 11ax20

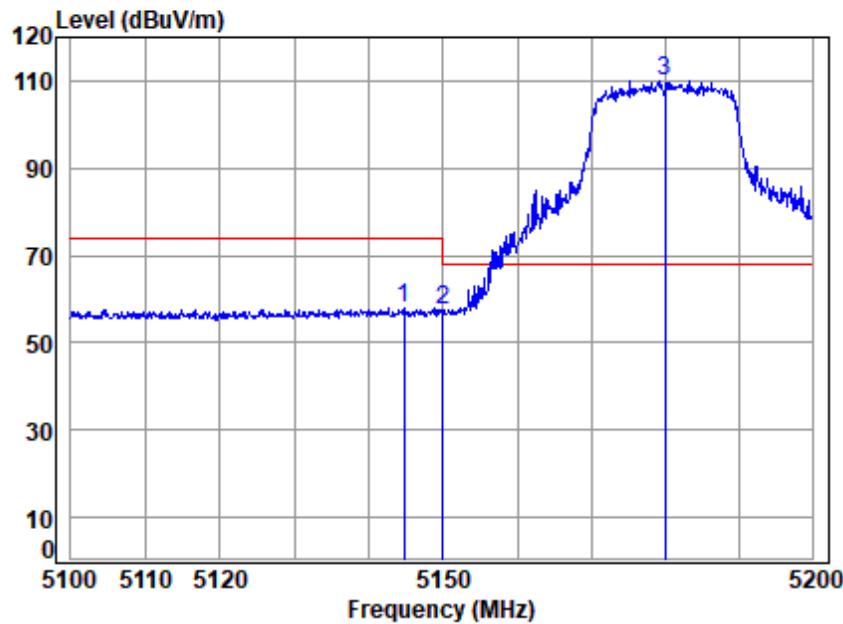
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	Level			
1 pp	5148.257	10.13	32.40	30.84	33.12	44.81	54.00	-9.19 Average
2	5149.980	10.14	32.40	30.84	33.02	44.72	54.00	-9.28 Average
3	5180.000	10.25	32.46	30.83	83.61	95.49	-----	----- Average

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Test Mode: 00; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5180 Band edge  
: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	Line	
1	5144.660	10.12	32.39	30.84	46.24	57.91	74.00	-16.09 Peak
2	5149.980	10.14	32.40	30.84	45.84	57.54	74.00	-16.46 Peak
3 pp	5180.000	10.25	32.46	30.83	98.11	109.99	68.20	41.79 Peak

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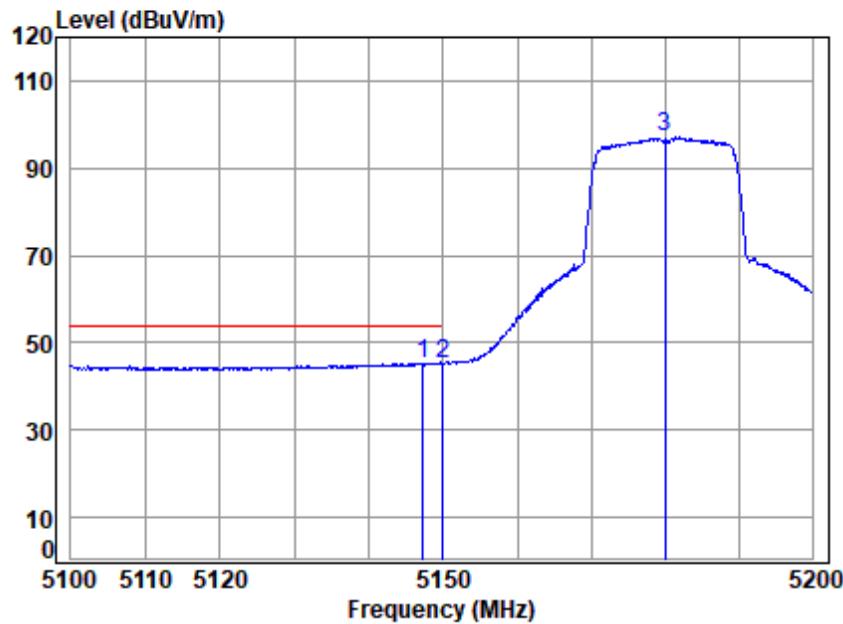
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Test Mode: 00; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5180 Band edge

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5147.258	10.13	32.39	30.84	33.68	45.36	54.00 -8.64 Average
2 pp	5149.980	10.14	32.40	30.84	33.70	45.40	54.00 -8.60 Average
3	5180.000	10.25	32.46	30.83	85.11	96.99	----- ----- Average

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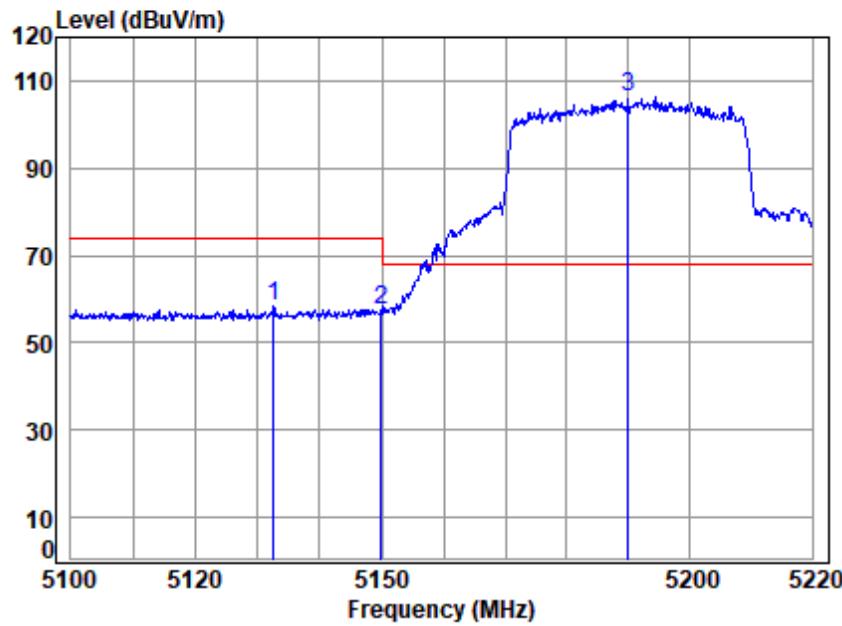
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5190 Band edge  
: 5G Wi-Fi 11ax40

		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	5132.603	10.07	32.37	30.85	46.59	58.18	74.00	-15.82	peak
2	5149.980	10.14	32.40	30.84	45.99	57.69	74.00	-16.31	peak
3 pp	5190.000	10.29	32.48	30.82	94.19	106.14	68.20	37.94	peak

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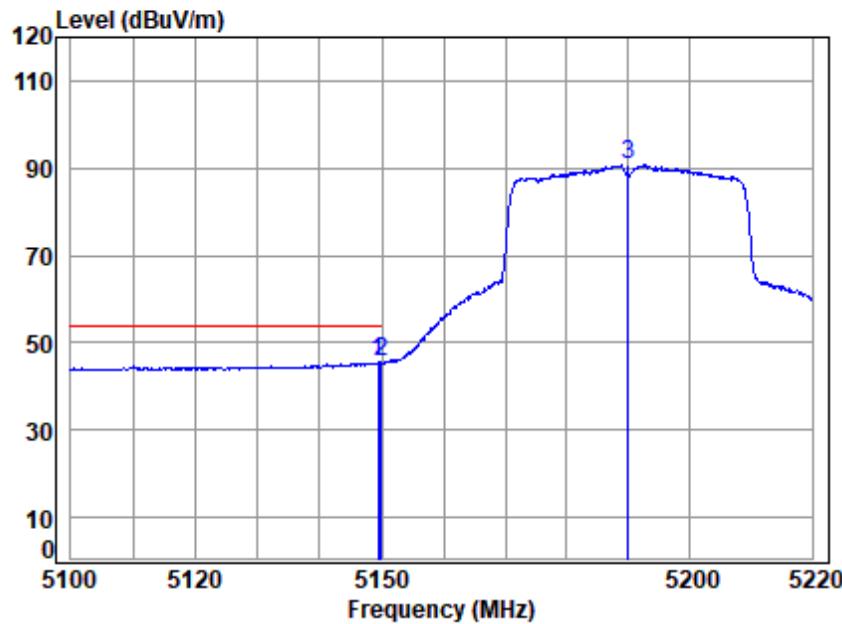
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5190 Band edge

: 5G Wi-Fi 11ax40

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5149.461	10.14	32.40	30.84	33.94	45.64	54.00	-8.36 Average
2	5149.980	10.14	32.40	30.84	33.72	45.42	54.00	-8.58 Average
3	5190.000	10.29	32.48	30.82	78.65	90.60	-----	----- Average

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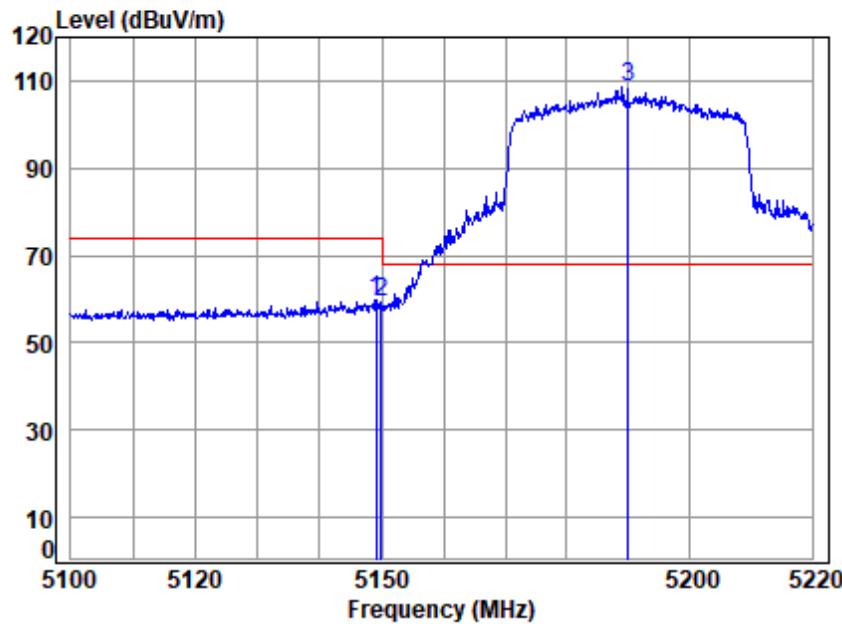
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Test Mode: 00; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5190 Band edge

: 5G Wi-Fi 11ax40

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.102	10.14	32.40	30.84	47.91	59.61	74.00	-14.39 Peak
2	5149.980	10.14	32.40	30.84	47.39	59.09	74.00	-14.91 Peak
3 pp	5190.000	10.29	32.48	30.82	96.67	108.62	68.20	40.42 Peak

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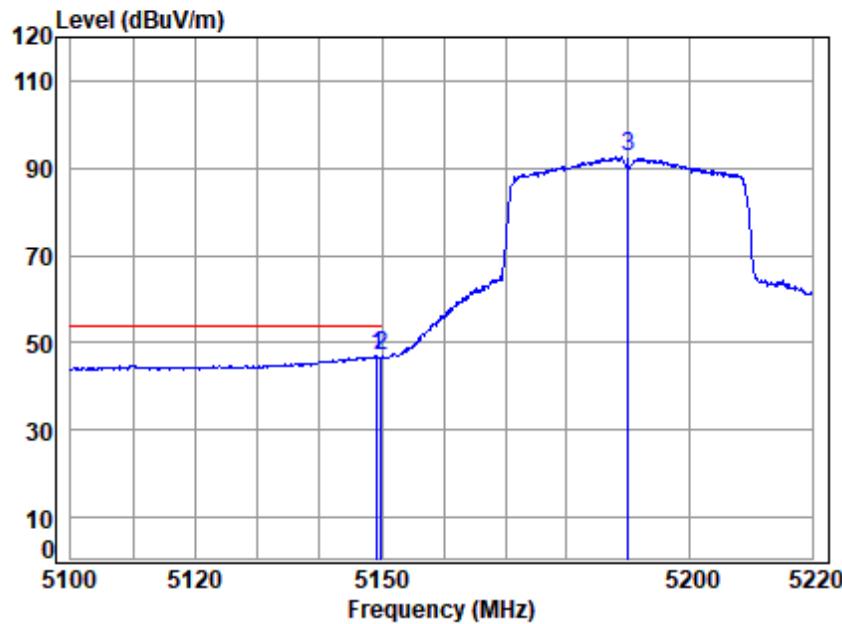
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Test Mode: 00; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5190 Band edge  
: 5G Wi-Fi 11ax40

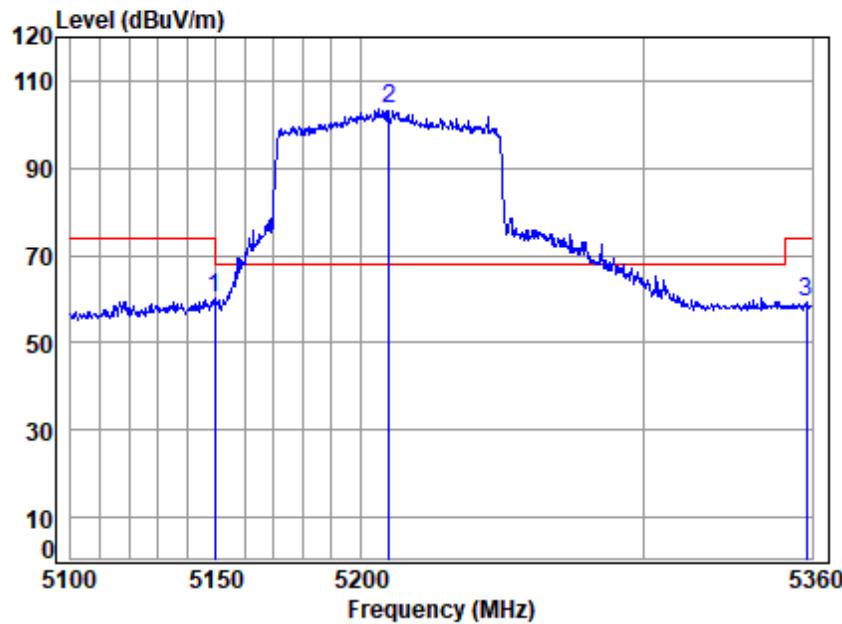
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	dBuV			
1 pp	5149.222	10.14	32.40	30.84	35.18	46.88	54.00	-7.12 Average
2	5149.980	10.14	32.40	30.84	35.09	46.79	54.00	-7.21 Average
3	5190.000	10.29	32.48	30.82	80.61	92.56	-----	----- Average

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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5210 Band edge

: 5G Wi-Fi 11ax80

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.435	10.14	32.40	30.84	48.30	60.00	74.00	-14.00 peak
2 pp	5210.000	10.32	32.52	30.82	91.45	103.47	68.20	35.27 peak
3	5357.868	10.48	32.80	30.76	46.94	59.46	74.00	-14.54 peak

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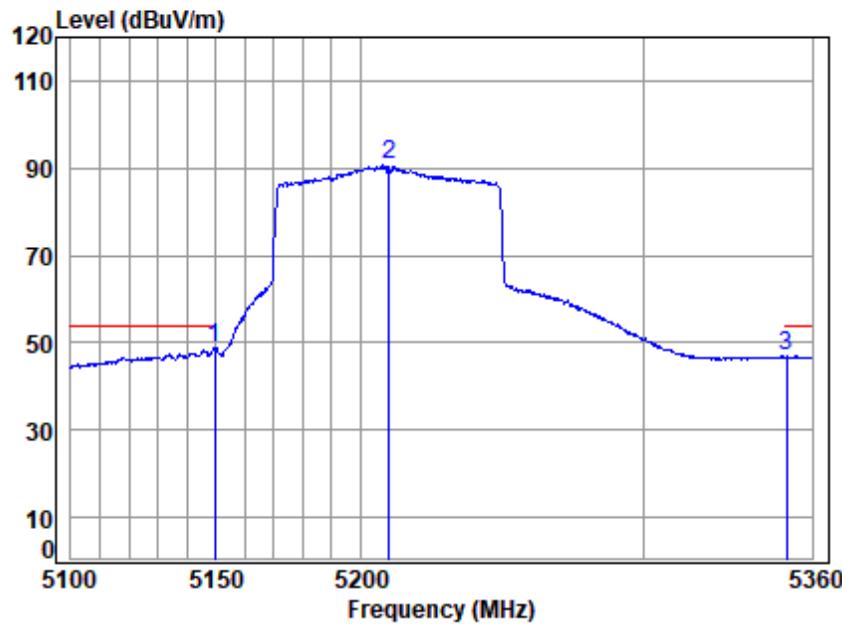
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5210 Band edge

: 5G Wi-Fi 11ax80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
1 pp	5149.435	10.14	32.40	30.84	37.34	49.04	54.00	-4.96 Average
2	5210.000	10.32	32.52	30.82	78.75	90.77	-----	----- Average
3	5350.680	10.45	32.80	30.76	34.31	46.80	54.00	-7.20 Average

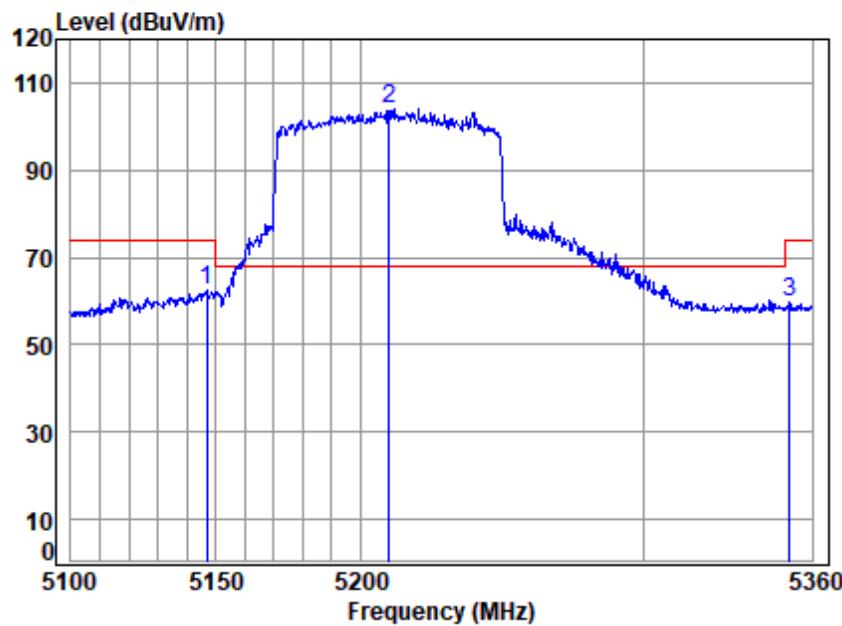
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Test Mode: 00; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5210 Band edge  
: 5G Wi-Fi 11ax80

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5146.875	10.13	32.39	30.84	50.66	62.34	74.00	-11.66 Peak
2 pp	5210.000	10.32	32.52	30.82	92.23	104.25	68.20	36.05 Peak
3	5352.010	10.46	32.80	30.76	47.20	59.70	74.00	-14.30 Peak

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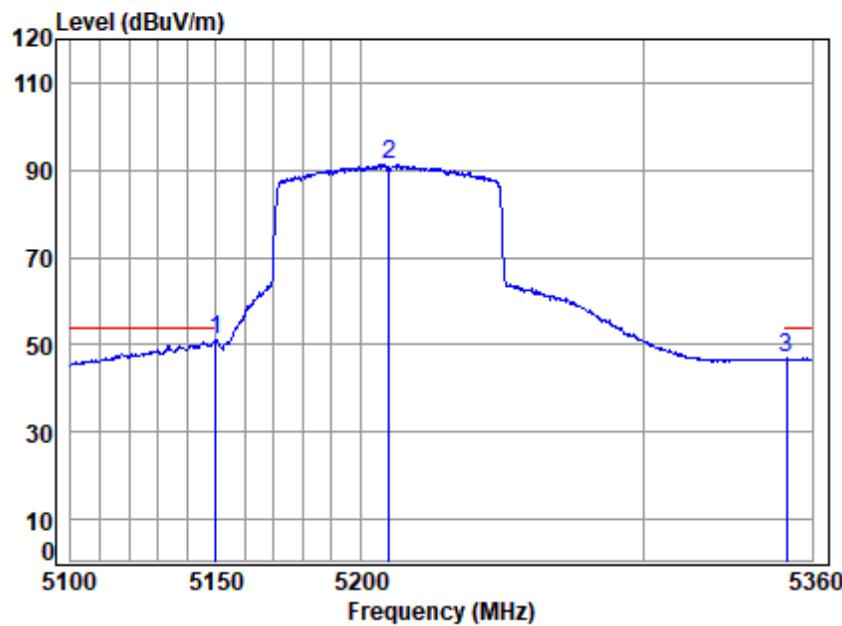
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Test Mode: 00; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5210 Band edge  
: 5G Wi-Fi 11ax80

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1 pp	5149.690	10.14	32.40	30.84	39.21	50.91	54.00 -3.09 Average
2	5210.000	10.32	32.52	30.82	79.10	91.12	----- ----- Average
3	5350.680	10.45	32.80	30.76	34.37	46.86	54.00 -7.14 Average

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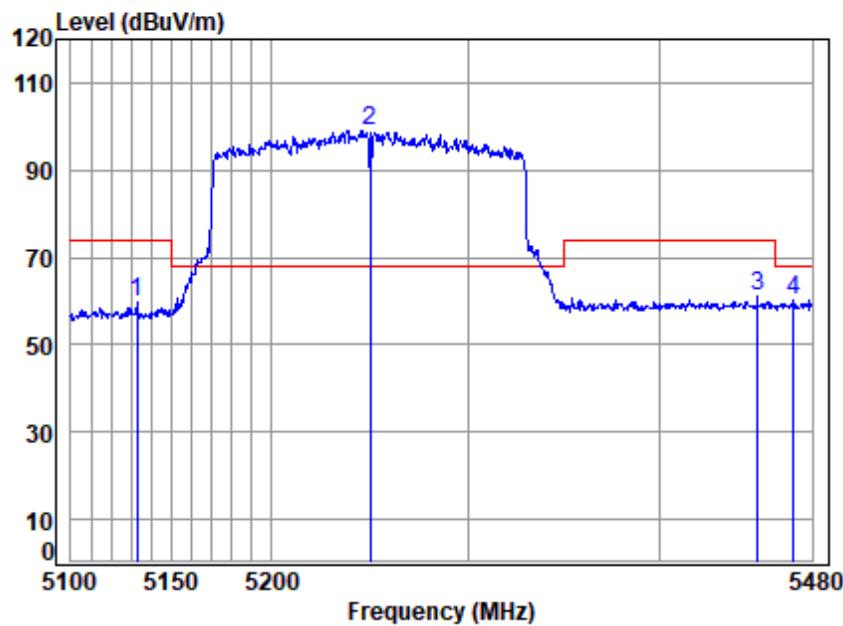
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5250 Band edge  
: 5G Wi-Fi 11ax160

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5132.724	10.07	32.37	30.85	48.36	59.95	74.00	-14.05 peak
2 pp	5250.000	10.31	32.60	30.80	87.11	99.22	68.20	31.02 peak
3	5450.935	10.60	32.90	30.72	48.15	60.93	74.00	-13.07 peak
4	5470.164	10.59	32.90	30.71	47.37	60.15	68.20	-8.05 peak

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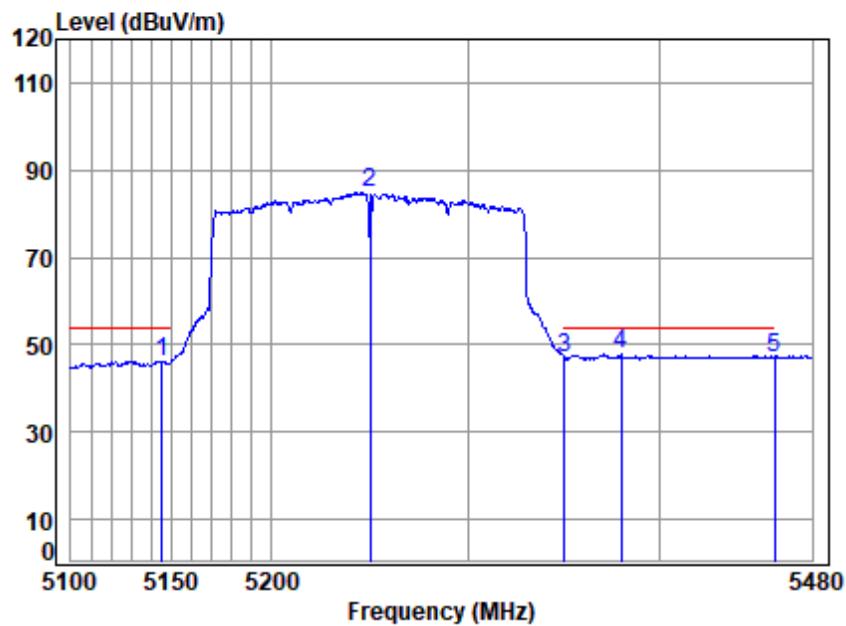
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Test Mode: 00; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5250 Band edge  
: 5G Wi-Fi 11ax160

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5145.280	10.12	32.39	30.84	34.58	46.25	54.00 -7.75 Average
2	5250.000	10.31	32.60	30.80	72.72	84.83	----- ----- Average
3	5350.118	10.45	32.80	30.76	34.47	46.96	54.00 -7.04 Average
4 pp	5379.331	10.55	32.80	30.75	35.19	47.79	54.00 -6.21 Average
5	5459.929	10.60	32.90	30.72	34.39	47.17	54.00 -6.83 Average

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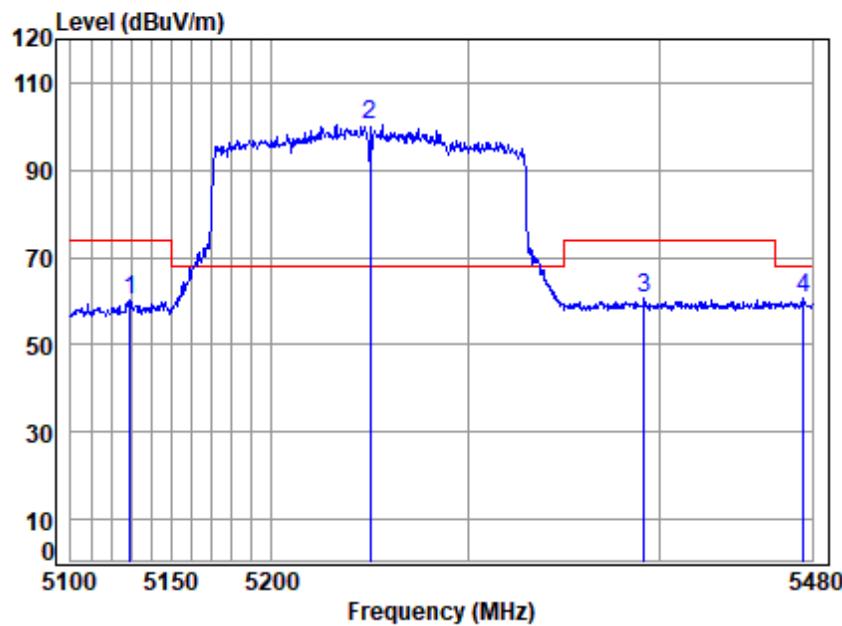
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Test Mode: 00; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5250 Band edge  
: 5G Wi-Fi 11ax160

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	Line	
1	5129.405	10.06	32.36	30.85	48.69	60.26	74.00	-13.74 peak
2 pp	5250.000	10.31	32.60	30.80	88.16	100.27	68.20	32.07 peak
3	5391.329	10.59	32.80	30.74	48.22	60.87	74.00	-13.13 peak
4	5475.670	10.59	32.90	30.71	47.78	60.56	68.20	-7.64 peak

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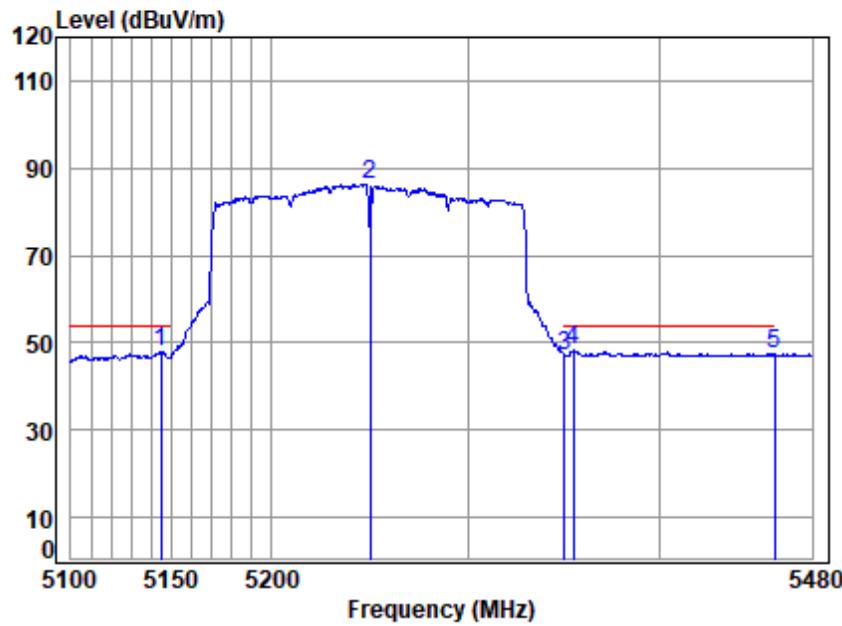
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Test Mode: 00; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5250 Band edge  
: 5G Wi-Fi 11ax160

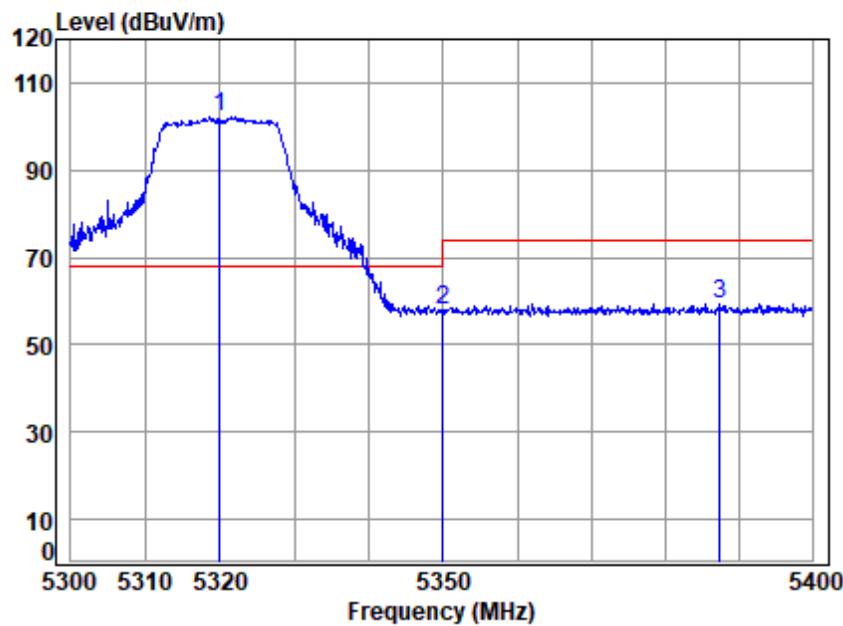
Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5144.911	10.12	32.39	30.84	36.30	47.97	54.00	-6.03 Average
2	5250.000	10.31	32.60	30.80	74.12	86.23	-----	----- Average
3	5350.118	10.45	32.80	30.76	34.58	47.07	54.00	-6.93 Average
4 pp	5354.646	10.47	32.80	30.76	35.67	48.18	54.00	-5.82 Average
5	5459.929	10.60	32.90	30.72	34.49	47.27	54.00	-6.73 Average

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Test Mode: 01; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5320 Band edge  
: 5G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Level	Level	Line		
1 pp	5320.000	10.35	32.74	30.77	89.96	102.28	68.20	34.08 peak
2	5350.020	10.45	32.80	30.76	45.63	58.12	74.00	-15.88 peak
3	5387.498	10.58	32.80	30.75	46.82	59.45	74.00	-14.55 peak

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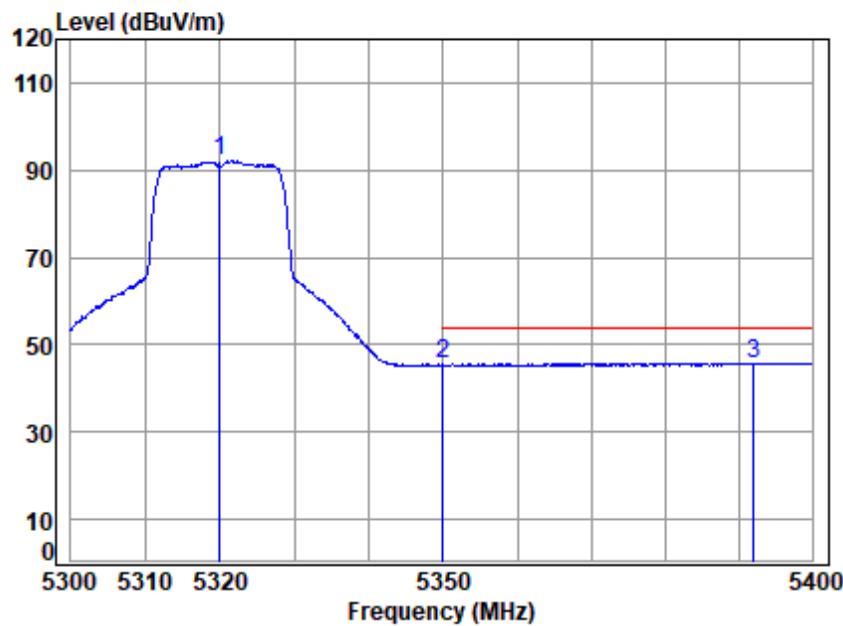
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5320 Band edge  
: 5G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5320.000	10.35	32.74	30.77	79.89	92.21	----- Average
2	5350.020	10.45	32.80	30.76	32.95	45.44	54.00 -8.56 Average
3 pp	5392.032	10.59	32.80	30.74	33.11	45.76	54.00 -8.24 Average



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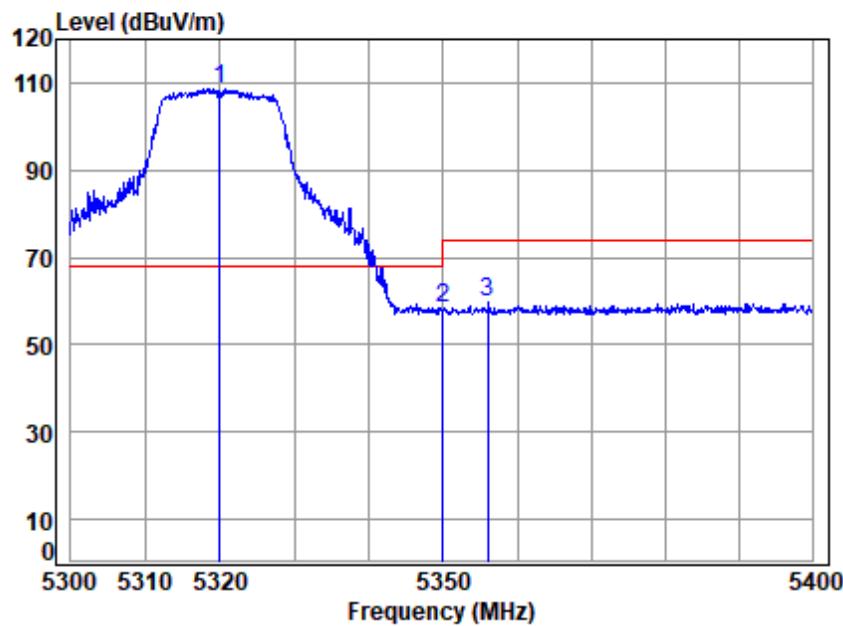
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Test Mode: 01; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5320 Band edge  
: 5G Wi-Fi 11a

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	dBuV			
1 pp	5320.000	10.35	32.74	30.77	96.42	108.74	68.20	40.54 Peak
2	5350.020	10.45	32.80	30.76	46.13	58.62	74.00	-15.38 Peak
3	5356.070	10.47	32.80	30.76	47.41	59.92	74.00	-14.08 Peak

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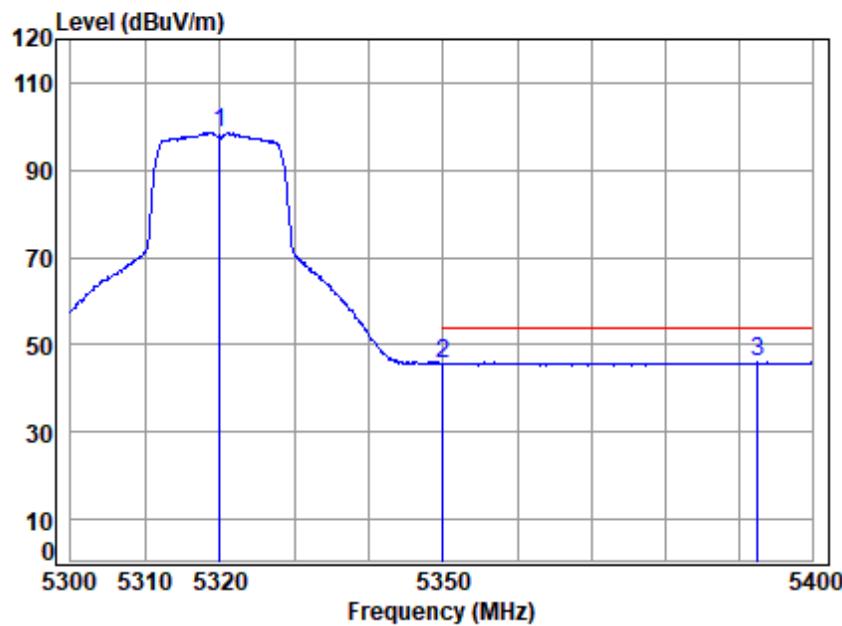
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Test Mode: 01; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5320 Band edge  
: 5G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5320.000	10.35	32.74	30.77	86.27	98.59	----- Average
2	5350.020	10.45	32.80	30.76	33.18	45.67	54.00 -8.33 Average
3 pp	5392.536	10.59	32.80	30.74	33.32	45.97	54.00 -8.03 Average

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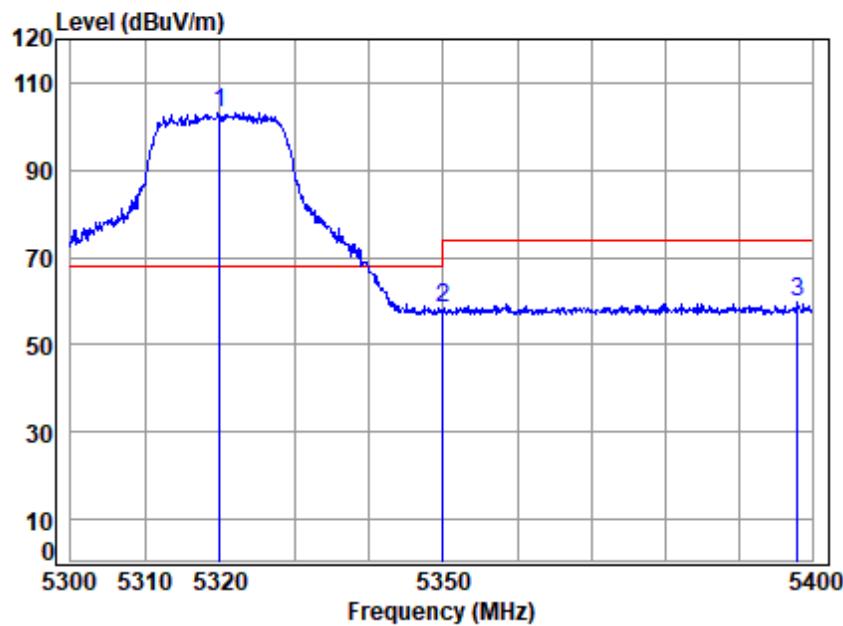
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5320 Band edge  
: 5G Wi-Fi 11n20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Level	Level	Line		
1 pp	5320.000	10.35	32.74	30.77	91.01	103.33	68.20	35.13 peak
2	5350.020	10.45	32.80	30.76	45.89	58.38	74.00	-15.62 peak
3	5397.981	10.61	32.80	30.74	47.14	59.81	74.00	-14.19 peak

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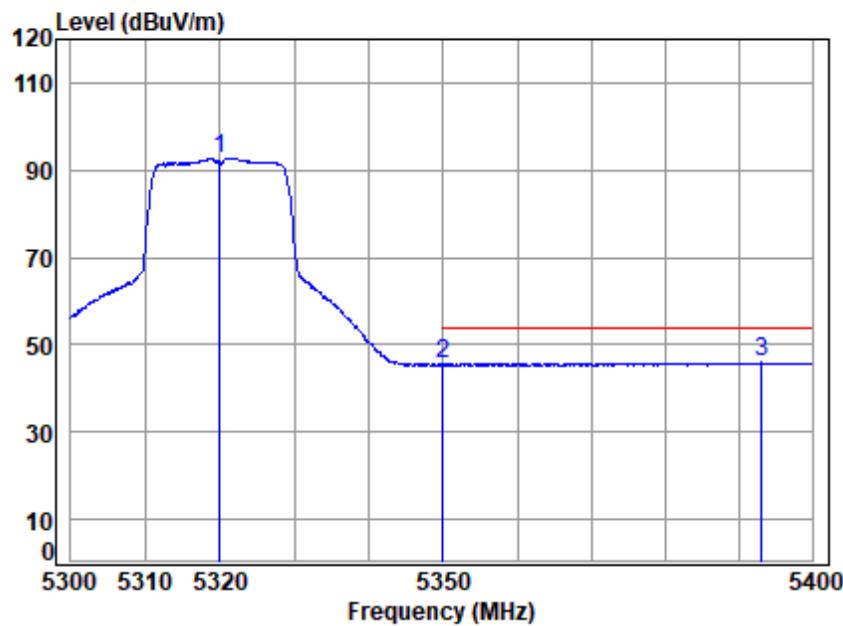
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5320 Band edge  
: 5G Wi-Fi 11n20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5320.000	10.35	32.74	30.77	80.40	92.72	----- Average
2	5350.020	10.45	32.80	30.76	33.08	45.57	54.00 -8.43 Average
3 pp	5393.141	10.60	32.80	30.74	33.23	45.89	54.00 -8.11 Average

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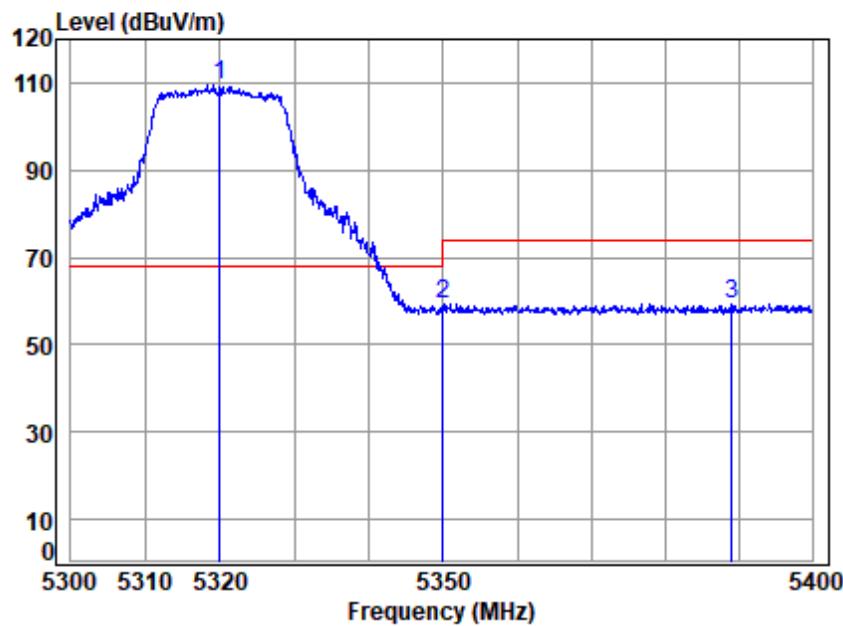
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Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5320 Band edge  
: 5G Wi-Fi 11n20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Level	Level	Line		
1 pp	5320.000	10.35	32.74	30.77	97.19	109.51	68.20	41.31 Peak
2	5350.020	10.45	32.80	30.76	46.70	59.19	74.00	-14.81 Peak
3	5389.110	10.58	32.80	30.74	46.74	59.38	74.00	-14.62 Peak

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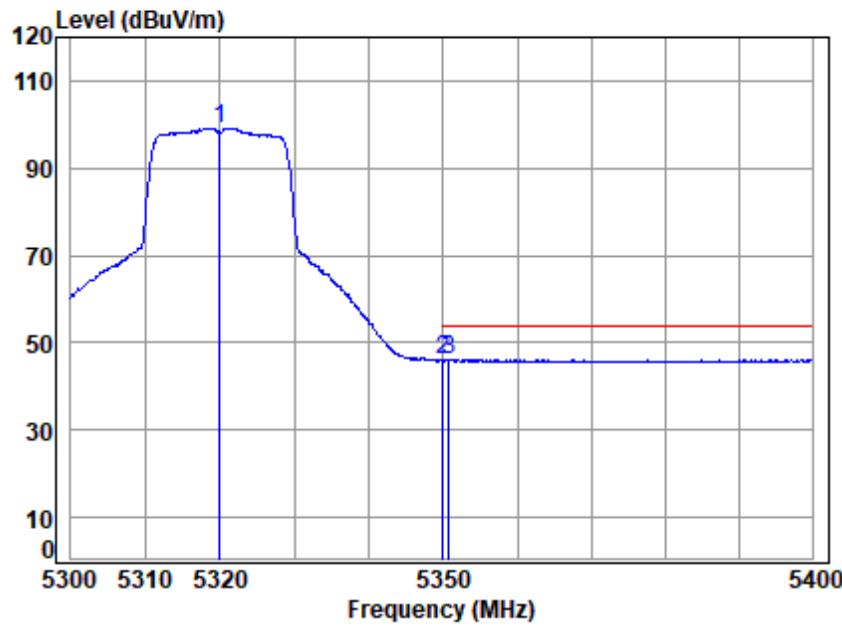
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Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5320 Band edge  
: 5G Wi-Fi 11n20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5320.000	10.35	32.74	30.77	86.90	99.22	----- Average
2	5350.020	10.45	32.80	30.76	33.55	46.04	54.00 -7.96 Average
3 pp	5350.767	10.45	32.80	30.76	33.75	46.24	54.00 -7.76 Average

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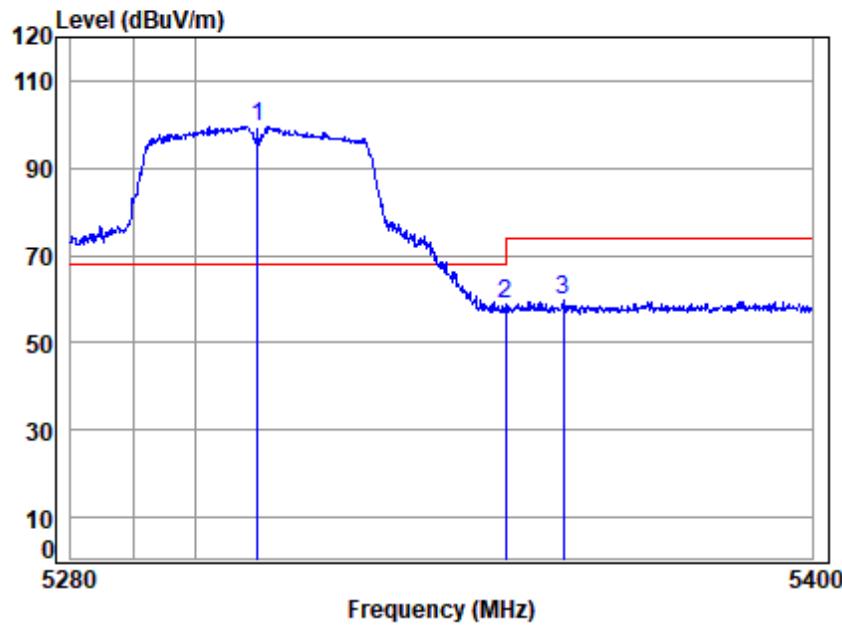
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5310 Band edge  
: 5G Wi-Fi 11n40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Level	Level	Line		
1 pp	5310.000	10.31	32.72	30.78	87.34	99.59	68.20	31.39 peak
2	5350.020	10.45	32.80	30.76	46.29	58.78	74.00	-15.22 peak
3	5359.379	10.48	32.80	30.76	47.04	59.56	74.00	-14.44 peak

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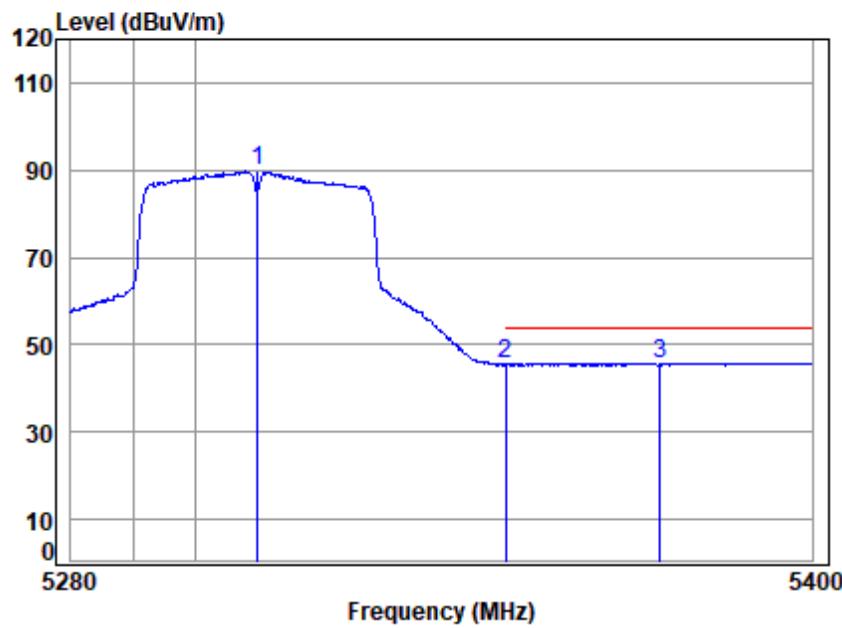
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5310 Band edge  
: 5G Wi-Fi 11n40

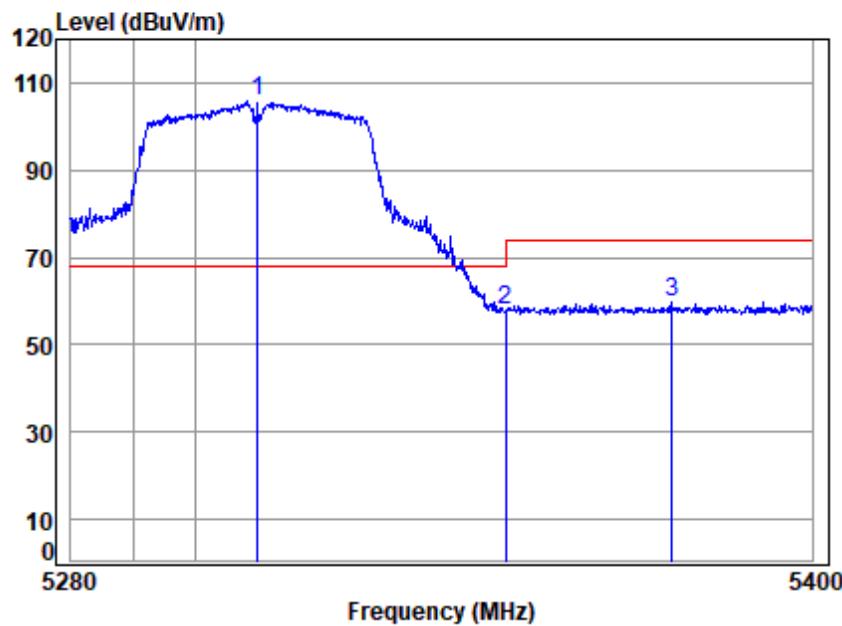
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5310.000	10.31	32.72	30.78	77.53	89.78	----- Average
2	5350.020	10.45	32.80	30.76	32.95	45.44	54.00 -8.56 Average
3 pp	5375.180	10.54	32.80	30.75	33.18	45.77	54.00 -8.23 Average

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Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5310 Band edge  
: 5G Wi-Fi 11n40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Level	Level	Line		
1 pp	5310.000	10.31	32.72	30.78	93.53	105.78	68.20	37.58 Peak
2	5350.020	10.45	32.80	30.76	45.35	57.84	74.00	-16.16 Peak
3	5377.113	10.54	32.80	30.75	47.07	59.66	74.00	-14.34 Peak

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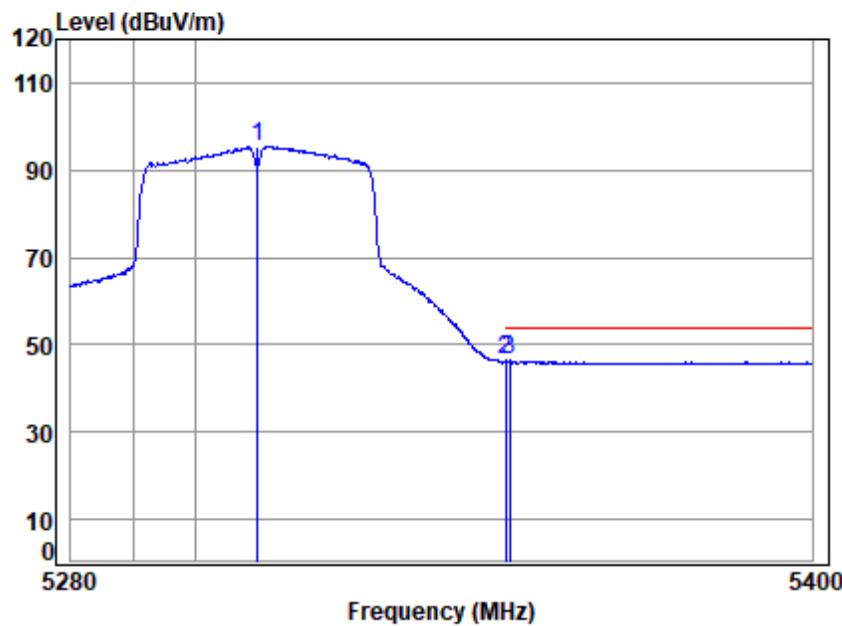
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Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5310 Band edge  
: 5G Wi-Fi 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		5310.000	10.31	32.72	30.78	83.24	95.49	-----	Average
2		5350.020	10.45	32.80	30.76	33.83	46.32	54.00	-7.68 Average
3 pp		5350.714	10.45	32.80	30.76	33.84	46.33	54.00	-7.67 Average

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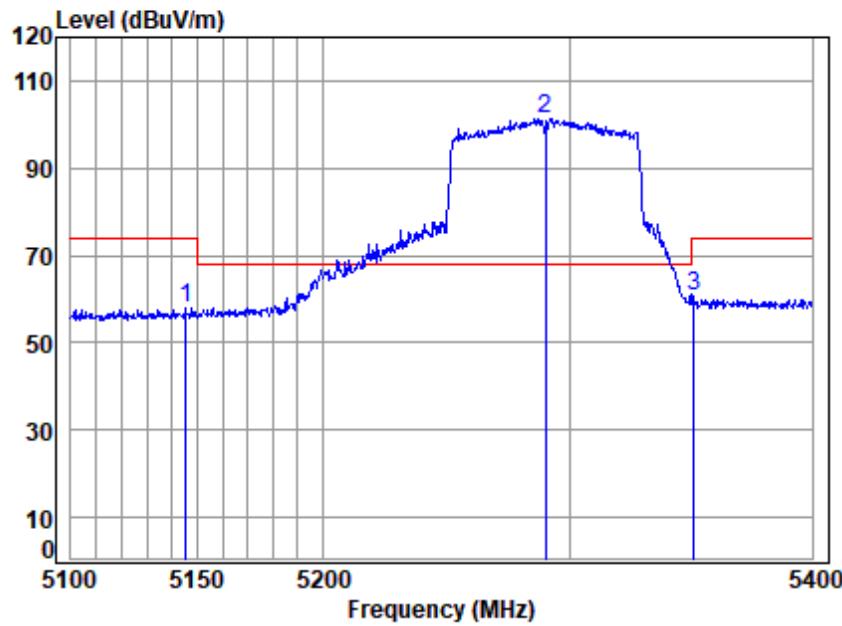
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5290 Band edge  
: 5G Wi-Fi 11ac80

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5145.384	10.12	32.39	30.84	46.17	57.84	74.00	-16.16 peak
2 pp	5290.000	10.28	32.68	30.78	89.15	101.33	68.20	33.13 peak
3	5350.840	10.45	32.80	30.76	48.05	60.54	74.00	-13.46 peak

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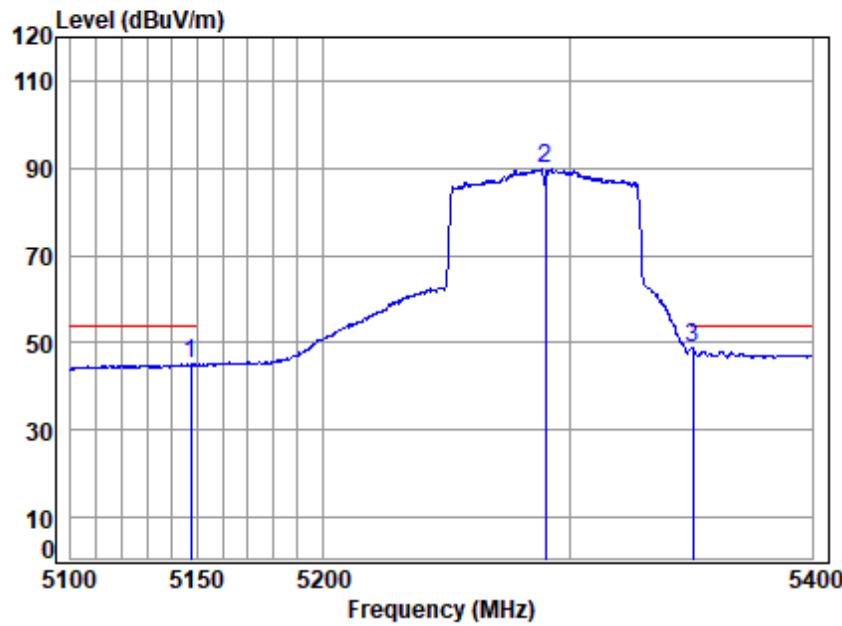
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5290 Band edge

: 5G Wi-Fi 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 5147.443	10.13	32.39	30.84	33.46	45.14	54.00	-8.86 Average
2 5290.000	10.28	32.68	30.78	77.51	89.69	-----	----- Average
3 pp 5350.535	10.45	32.80	30.76	36.40	48.89	54.00	-5.11 Average

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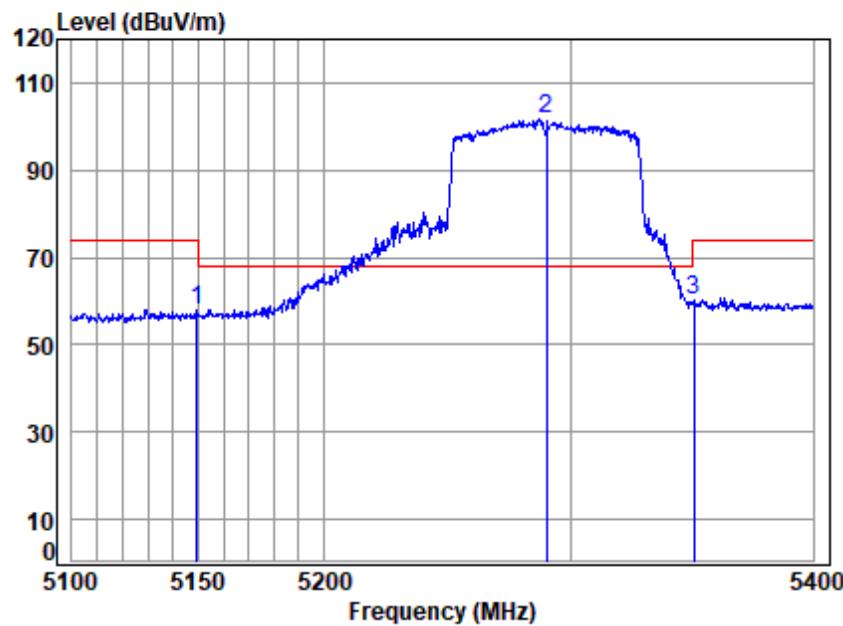
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5290 Band edge  
: 5G Wi-Fi 11ac80

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.503	10.14	32.40	30.84	46.33	58.03	74.00	-15.97 Peak
2 pp	5290.000	10.28	32.68	30.78	89.76	101.94	68.20	33.74 Peak
3	5350.535	10.45	32.80	30.76	47.68	60.17	74.00	-13.83 Peak

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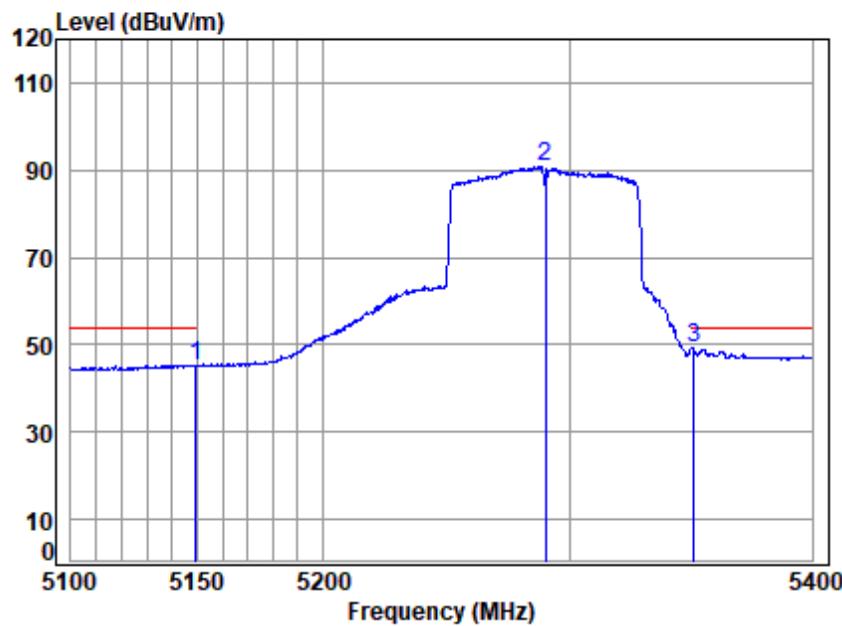
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5290 Band edge  
: 5G Wi-Fi 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	5149.503	10.14	32.40	30.84	33.69	45.39	54.00
2	5290.000	10.28	32.68	30.78	78.60	90.78	-----
3 pp	5350.840	10.45	32.80	30.76	36.93	49.42	54.00
							-8.61
							Average
							-----
							Average
							-4.58
							Average

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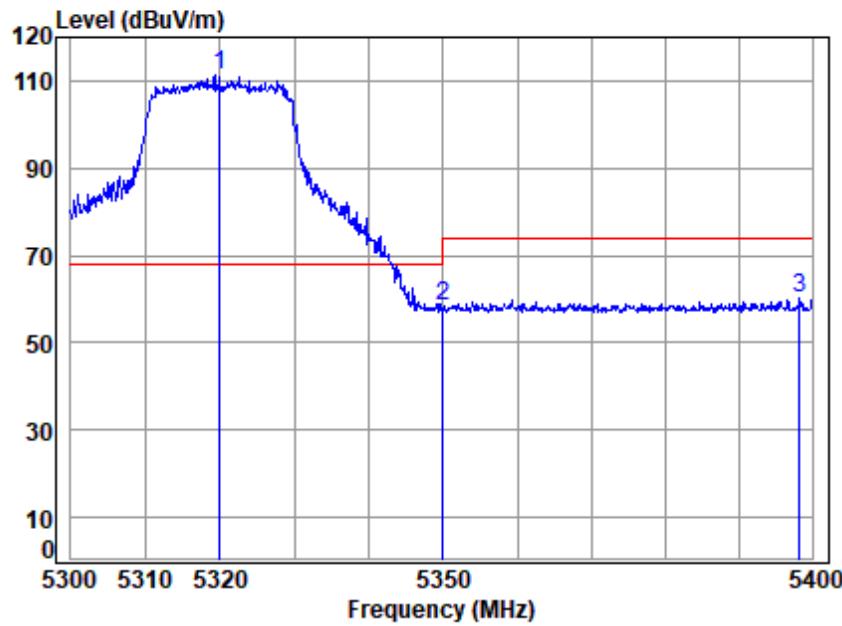
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5320 Band edge

: 5G Wi-Fi 11ax20

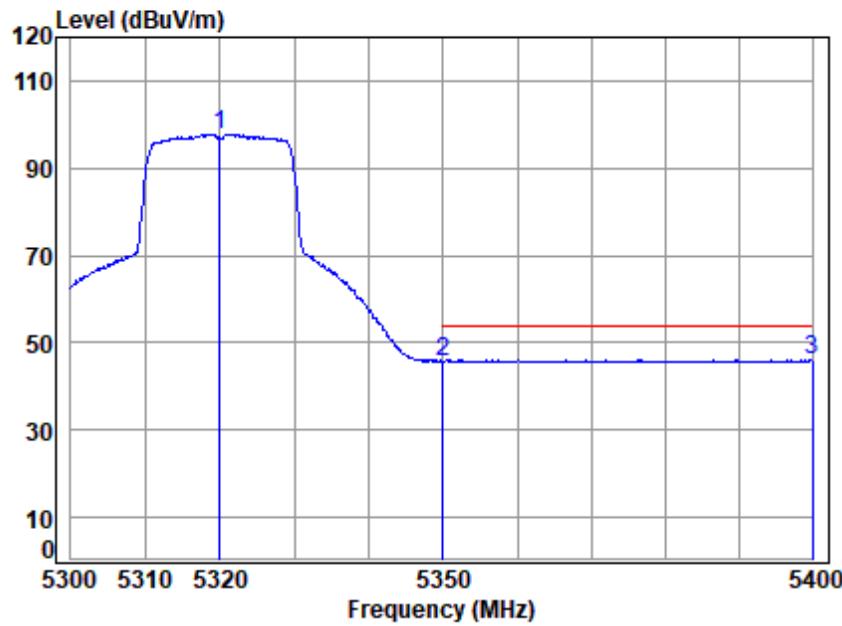
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	Level			
1 pp	5320.000	10.35	32.74	30.77	98.88	111.20	68.20	43.00 peak
2	5350.020	10.45	32.80	30.76	45.84	58.33	74.00	-15.67 peak
3	5398.284	10.61	32.80	30.74	47.38	60.05	74.00	-13.95 peak

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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5320 Band edge

: 5G Wi-Fi 11ax20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m		dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	10.35	32.74	30.77	85.52	97.84	-----	-----	Average
2	5350.020	10.45	32.80	30.76	33.36	45.85	54.00	-8.15	Average
3 pp	5400.000	10.62	32.80	30.74	33.57	46.25	54.00	-7.75	Average

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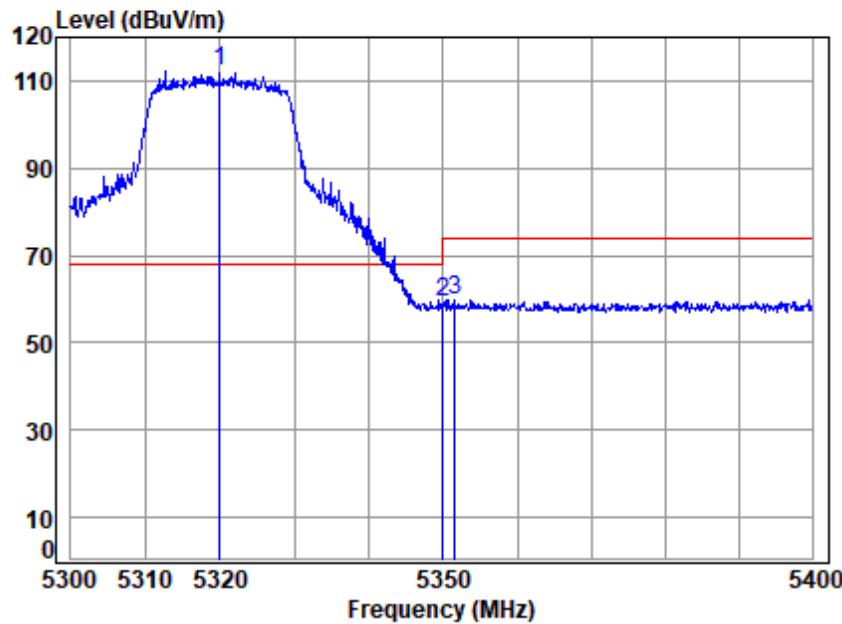
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5320 Band edge  
: 5G Wi-Fi 11ax20

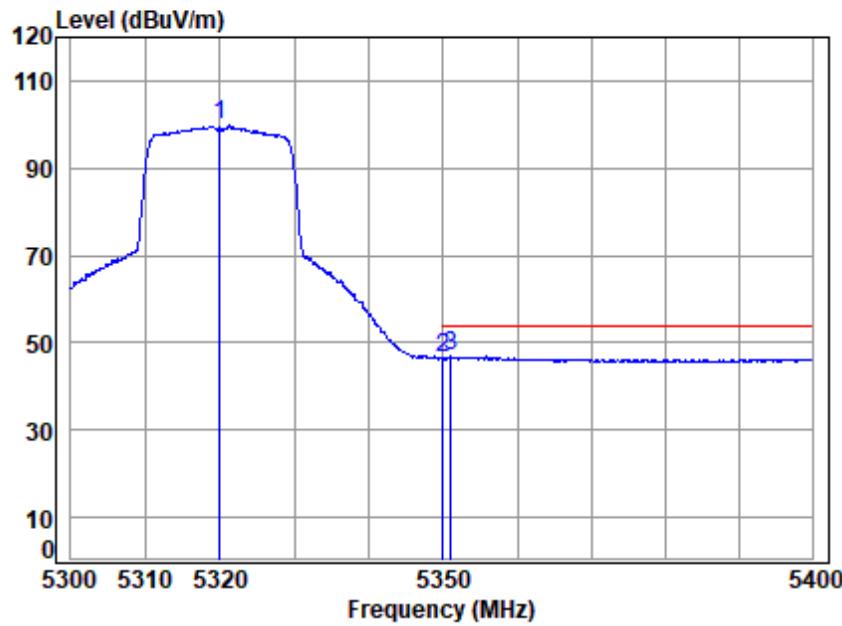
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Level	Level	Line		
1 pp	5320.000	10.35	32.74	30.77	99.82	112.14	68.20	43.94 Peak
2	5350.020	10.45	32.80	30.76	46.63	59.12	74.00	-14.88 Peak
3	5351.566	10.46	32.80	30.76	47.47	59.97	74.00	-14.03 Peak

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Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5320 Band edge  
: 5G Wi-Fi 11ax20

		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	5320.000	10.35	32.74	30.77	87.39	99.71	-----	-----	Average
2	5350.020	10.45	32.80	30.76	34.11	46.60	54.00	-7.40	Average
3 pp	5351.066	10.45	32.80	30.76	34.33	46.82	54.00	-7.18	Average

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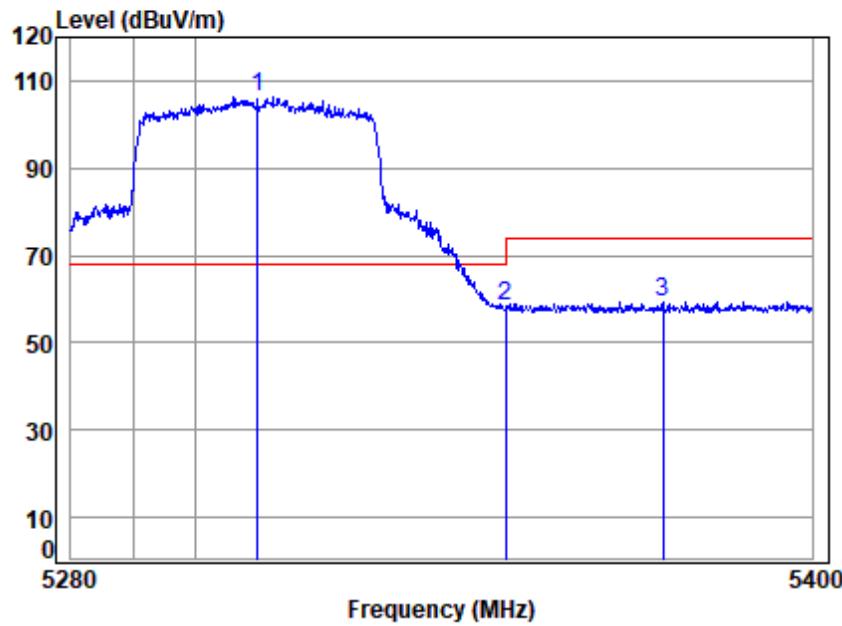
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5310 Band edge

: 5G Wi-Fi 11ax40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Level	Level	Line		
1 pp	5310.000	10.31	32.72	30.78	93.93	106.18	68.20	37.98 peak
2	5350.020	10.45	32.80	30.76	46.05	58.54	74.00	-15.46 peak
3	5375.663	10.54	32.80	30.75	46.83	59.42	74.00	-14.58 peak

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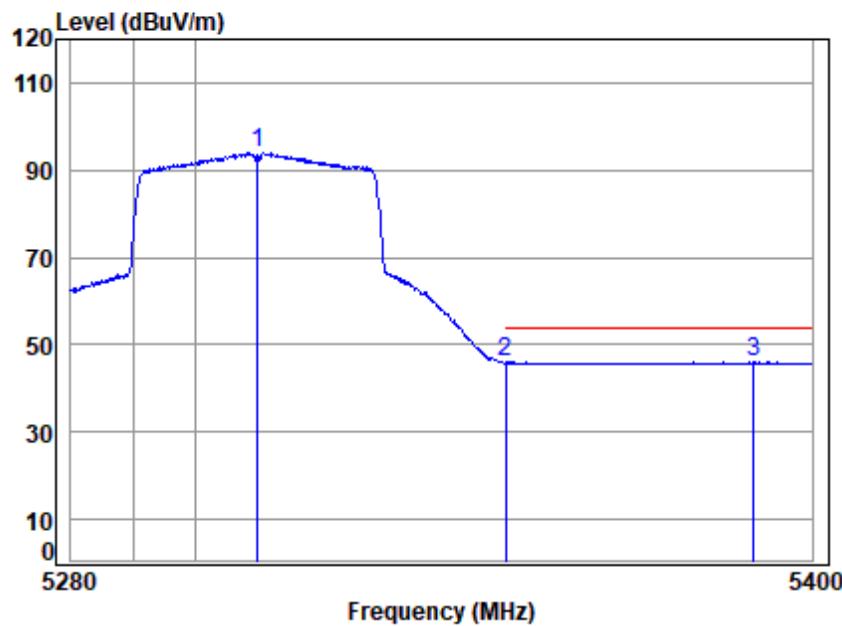
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5310 Band edge  
: 5G Wi-Fi 11ax40

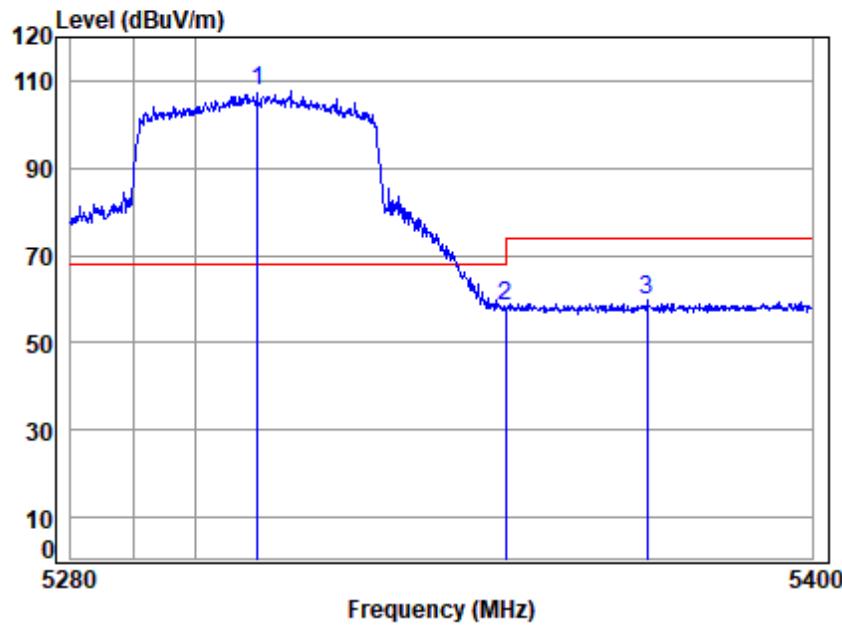
	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5310.000	10.31	32.72	30.78	81.79	94.04	-----	Average
2	5350.020	10.45	32.80	30.76	33.59	46.08	54.00	-7.92 Average
3 pp	5390.421	10.59	32.80	30.74	33.46	46.11	54.00	-7.89 Average

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Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5310 Band edge

: 5G Wi-Fi 11ax40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1 pp	5310.000	10.31	32.72	30.78	95.43	107.68	68.20 39.48 Peak
2	5350.020	10.45	32.80	30.76	46.04	58.53	74.00 -15.47 Peak
3	5373.126	10.53	32.80	30.75	47.21	59.79	74.00 -14.21 Peak

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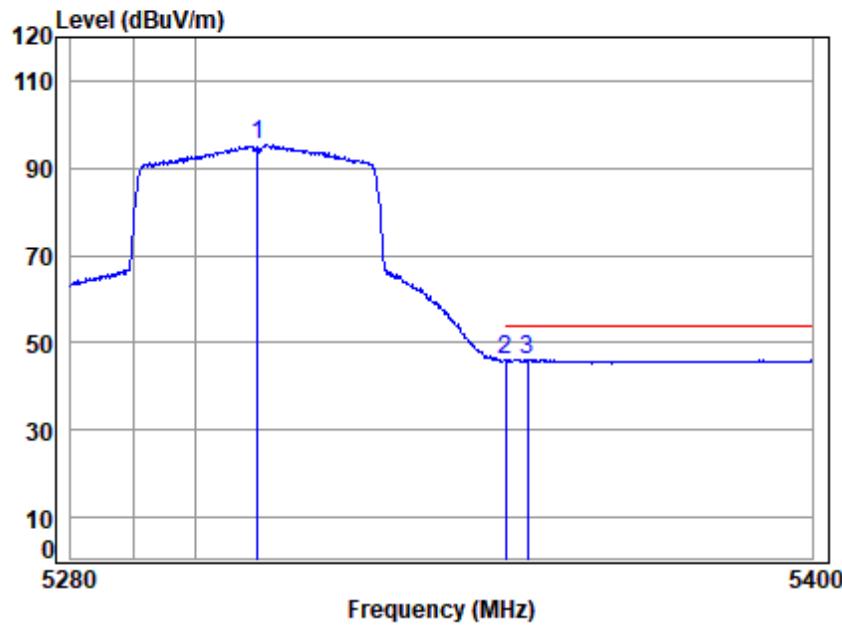
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5310 Band edge  
: 5G Wi-Fi 11ax40

		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	5310.000	10.31	32.72	30.78	83.11	95.36	-----	-----	Average
2	5350.020	10.45	32.80	30.76	33.77	46.26	54.00	-7.74	Average
3 pp	5353.601	10.46	32.80	30.76	33.80	46.30	54.00	-7.70	Average

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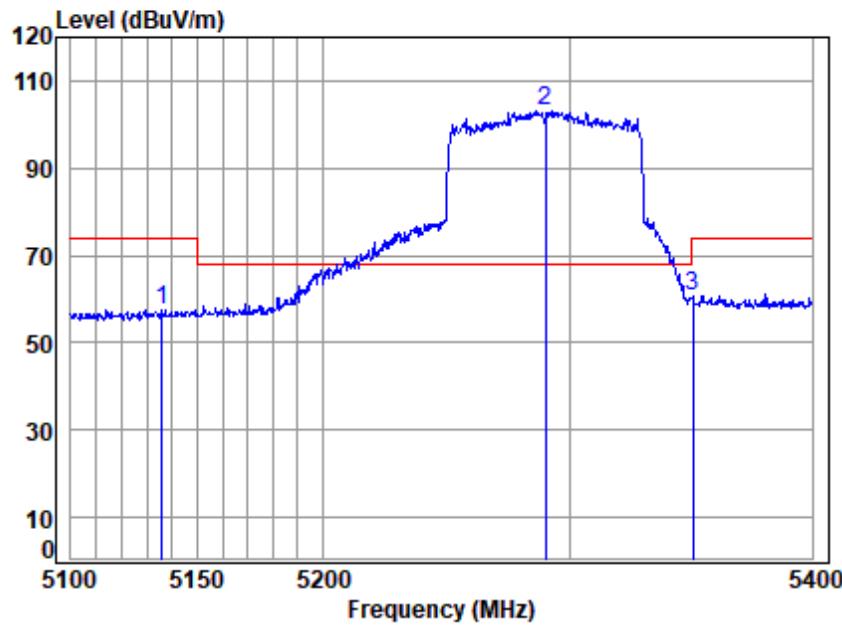
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5290 Band edge

: 5G Wi-Fi 11ax80

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5135.982	10.09	32.37	30.85	46.05	57.66	74.00	-16.34 peak
2 pp	5290.000	10.28	32.68	30.78	90.85	103.03	68.20	34.83 peak
3	5350.535	10.45	32.80	30.76	48.18	60.67	74.00	-13.33 peak

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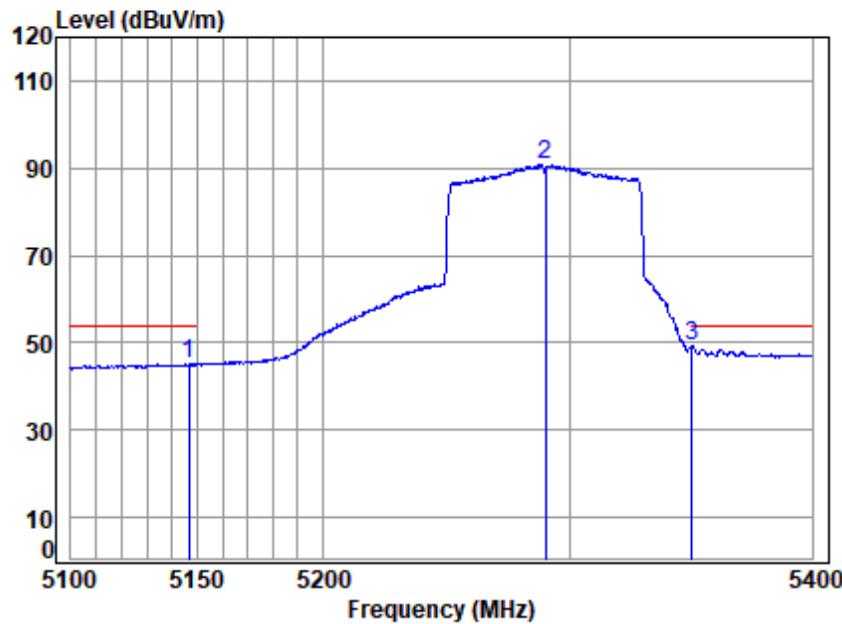
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5290 Band edge

: 5G Wi-Fi 11ax80

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5146.855	10.13	32.39	30.84	33.48	45.16	54.00	-8.84 Average
2	5290.000	10.28	32.68	30.78	78.59	90.77	-----	----- Average
3 pp	5350.229	10.45	32.80	30.76	36.77	49.26	54.00	-4.74 Average

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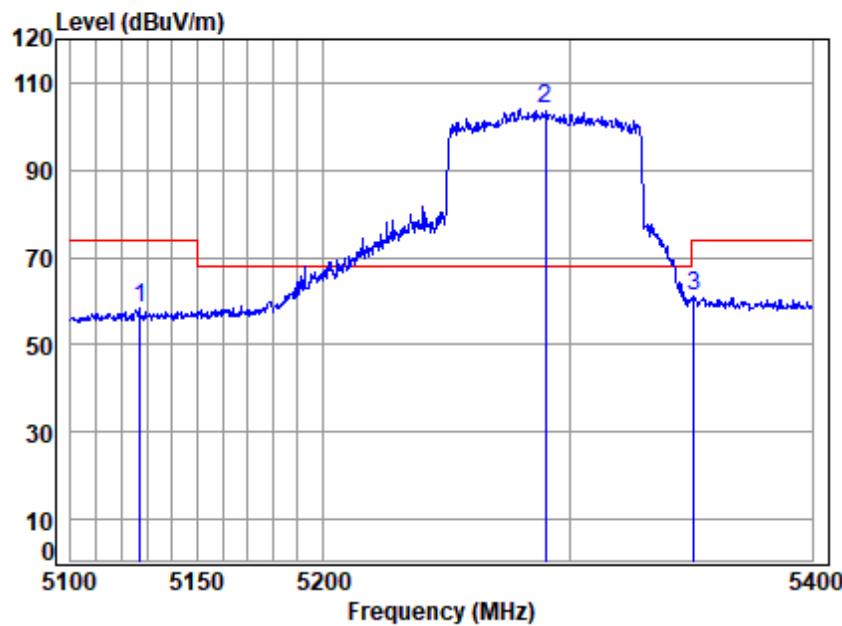
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5290 Band edge  
: 5G Wi-Fi 11ax80

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5127.183	10.05	32.35	30.85	46.70	58.25	74.00	-15.75 Peak
2 pp	5290.000	10.28	32.68	30.78	91.73	103.91	68.20	35.71 Peak
3	5350.840	10.45	32.80	30.76	48.66	61.15	74.00	-12.85 Peak

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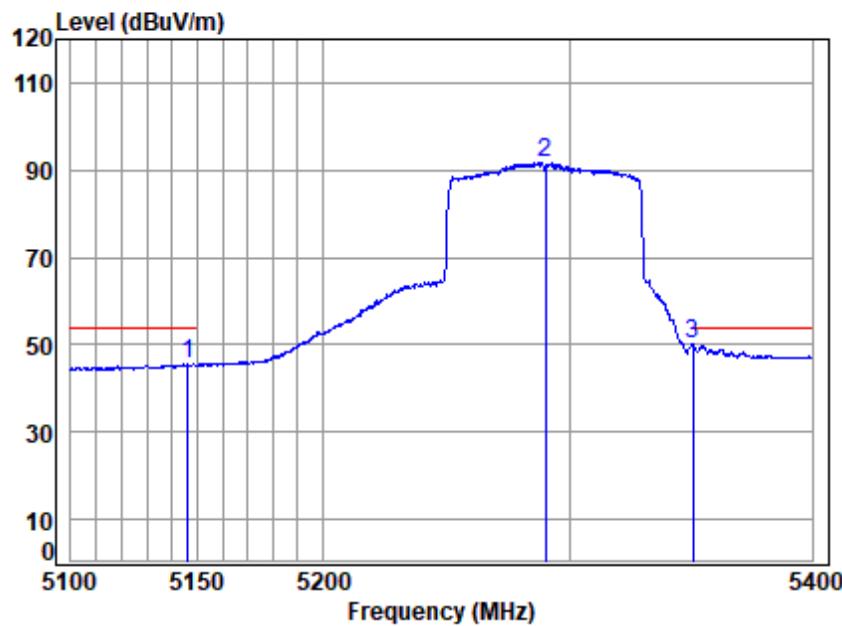
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Test Mode: 01; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5290 Band edge  
: 5G Wi-Fi 11ax80

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5146.267	10.13	32.39	30.84	33.84	45.52	54.00	-8.48 Average
2	5290.000	10.28	32.68	30.78	79.62	91.80	-----	----- Average
3 pp	5350.535	10.45	32.80	30.76	37.82	50.31	54.00	-3.69 Average

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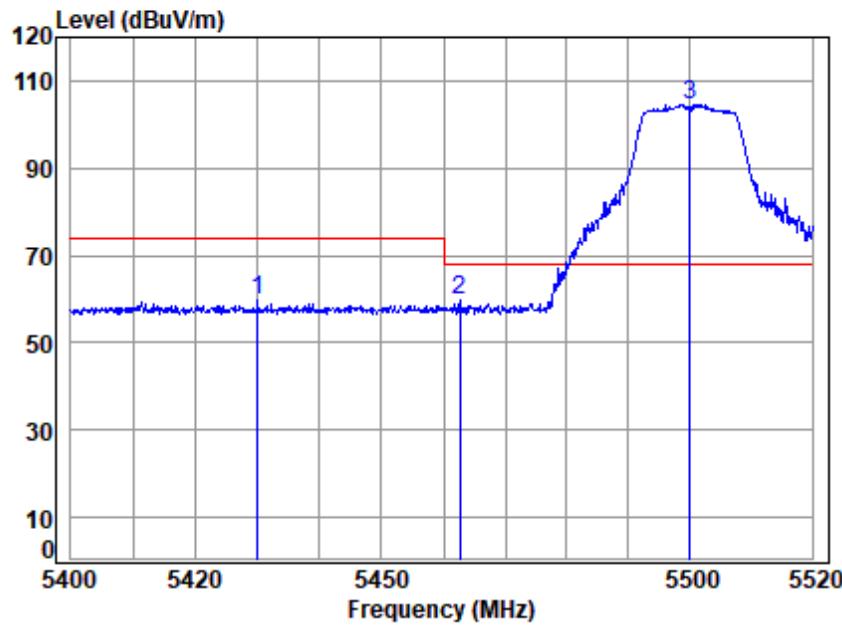
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5500 Band edge  
: 5G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5429.992	10.61	32.86	30.73	47.18	59.92	74.00 -14.08 peak
2	5462.671	10.59	32.90	30.71	46.94	59.72	68.20 -8.48 peak
3 pp	5500.000	10.58	32.90	30.70	91.84	104.62	68.20 36.42 peak

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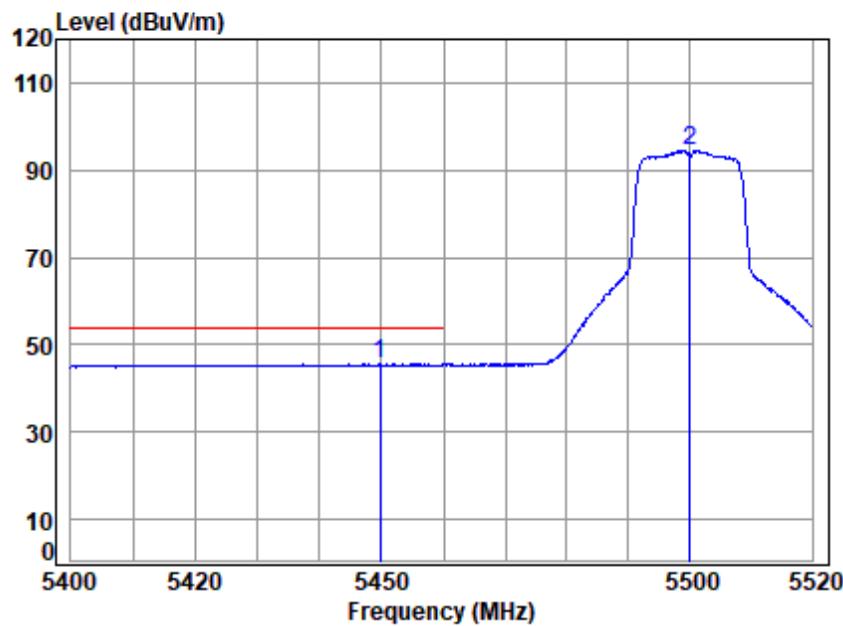
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5500 Band edge  
: 5G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1 pp	5449.720	10.60	32.90	30.72	32.80	45.58	54.00 -8.42 Average
2	5500.000	10.58	32.90	30.70	81.75	94.53	----- ----- Average

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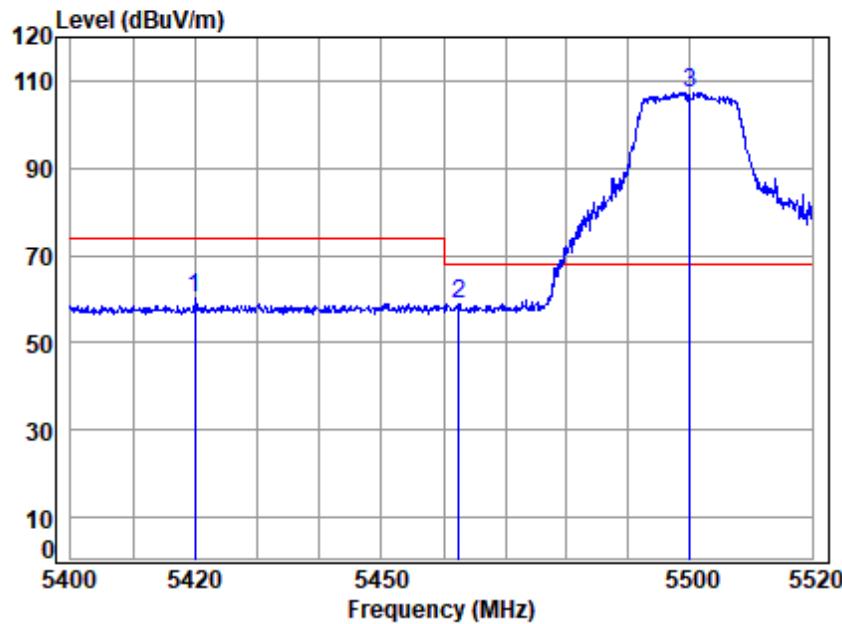
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Test Mode: 02; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5500 Band edge  
: 5G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5419.857	10.61	32.84	30.73	47.49	60.21	74.00 -13.79 Peak
2	5462.431	10.60	32.90	30.72	46.12	58.90	68.20 -9.30 peak
3 pp	5500.000	10.58	32.90	30.70	94.51	107.29	68.20 39.09 Peak

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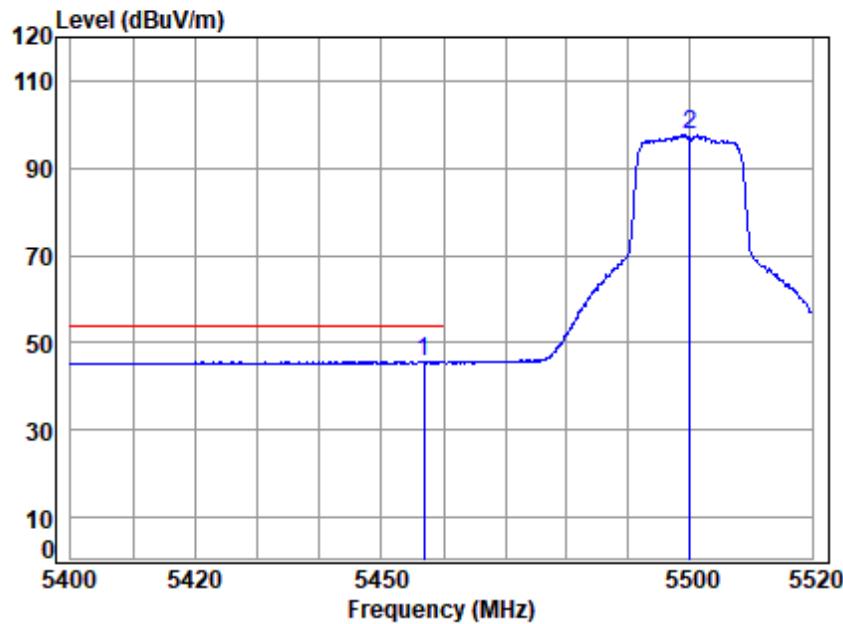
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Test Mode: 02; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5500 Band edge  
: 5G Wi-Fi 11a

		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	5456.791	10.60	32.90	30.72	32.90	45.68	54.00	-8.32	Average
2		5500.000	10.58	32.90	30.70	84.87	97.65	-----	-----	Average

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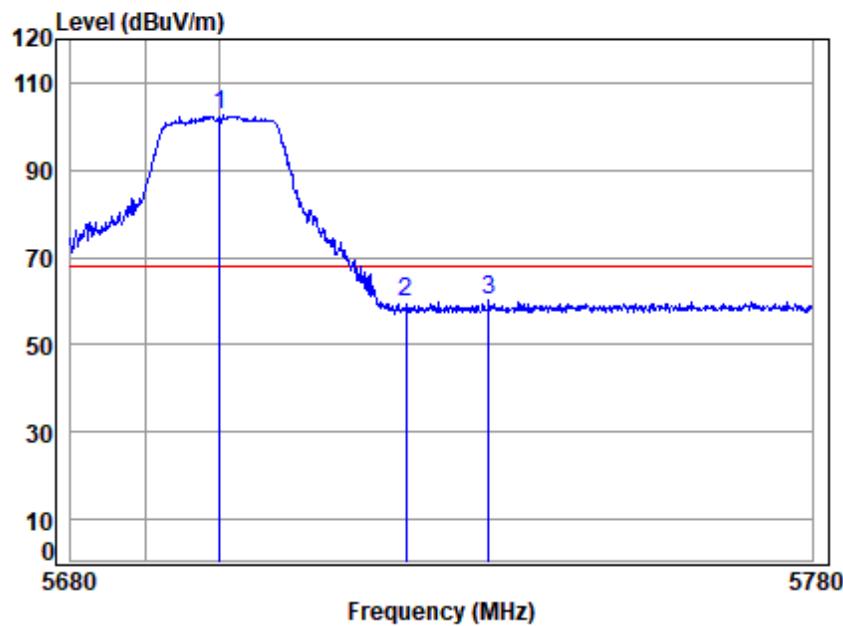
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5700 Band edge  
: 5G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Level	Level	Line		
1 pp	5700.000	10.56	33.20	30.62	89.37	102.51	68.20	34.31 peak
2	5725.000	10.68	33.25	30.61	46.25	59.57	68.20	-8.63 peak
3	5736.186	10.73	33.27	30.61	46.88	60.27	68.20	-7.93 peak

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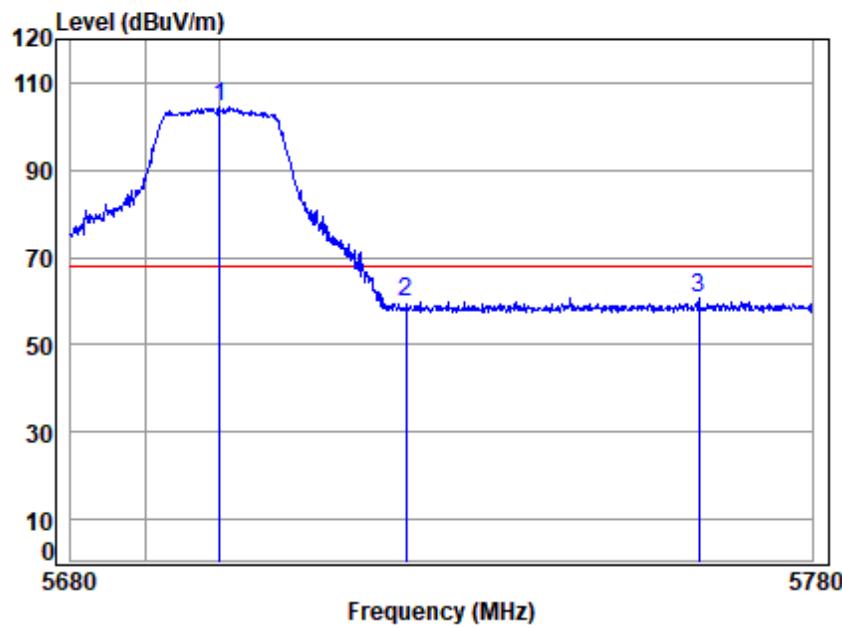
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Test Mode: 02; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5700 Band edge  
: 5G Wi-Fi 11a

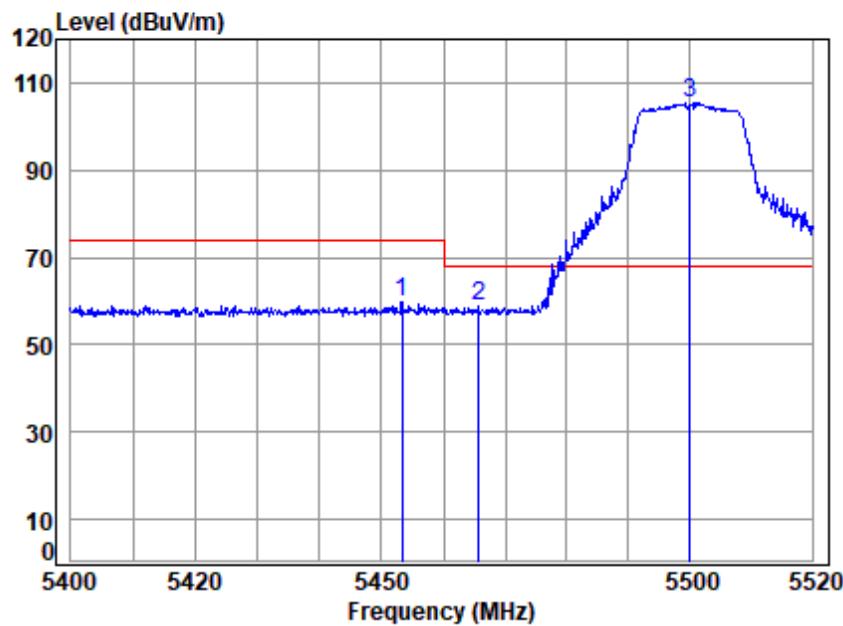
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Level	Level	Line		
1 pp	5700.000	10.56	33.20	30.62	91.31	104.45	68.20	36.25 Peak
2	5725.000	10.68	33.25	30.61	46.41	59.73	68.20	-8.47 Peak
3	5764.587	10.86	33.33	30.59	47.15	60.75	68.20	-7.45 Peak

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



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5500 Band edge  
: 5G Wi-Fi 11n20

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5453.314	10.60	32.90	30.72	46.82	59.60	74.00	-14.40 peak
2	5465.673	10.59	32.90	30.71	46.00	58.78	68.20	-9.42 peak
3 pp	5500.000	10.58	32.90	30.70	92.78	105.56	68.20	37.36 peak

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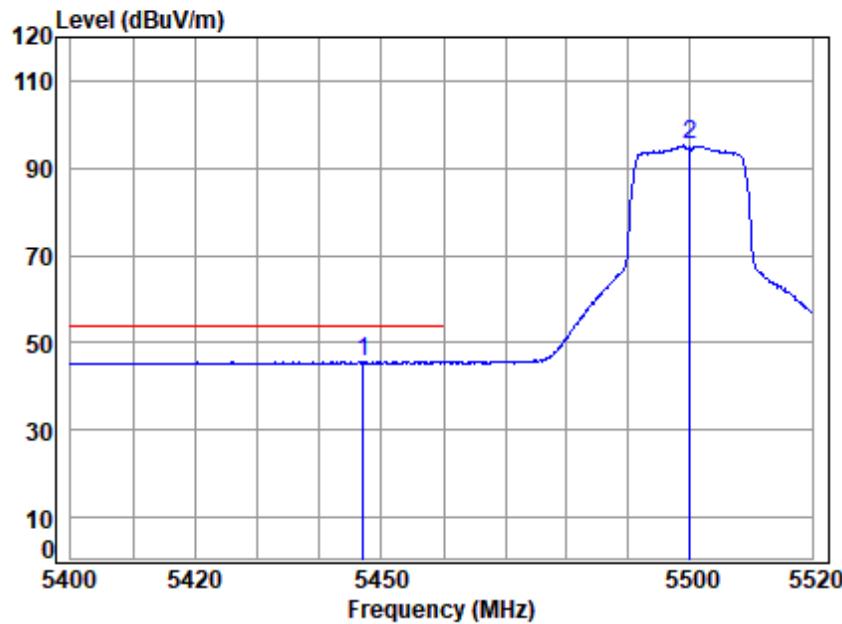
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5500 Band edge  
: 5G Wi-Fi 11n20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1 pp	5447.085	10.60	32.89	30.72	32.99	45.76	54.00 -8.24 Average
2	5500.000	10.58	32.90	30.70	82.36	95.14	----- ----- Average



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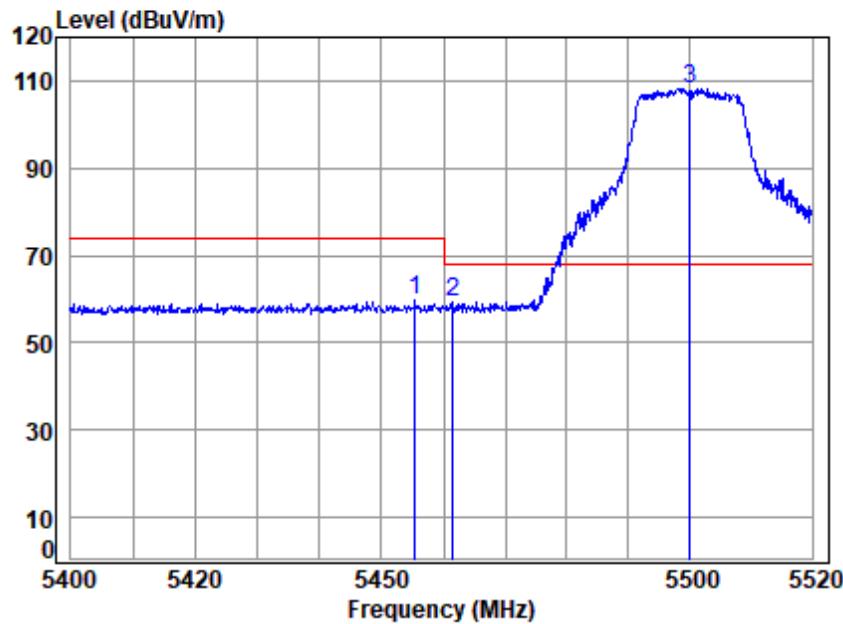
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Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5500 Band edge  
: 5G Wi-Fi 11n20

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5455.352	10.60	32.90	30.72	47.04	59.82	74.00	-14.18 Peak
2	5461.591	10.60	32.90	30.72	46.49	59.27	68.20	-8.93 peak
3 pp	5500.000	10.58	32.90	30.70	95.46	108.24	68.20	40.04 Peak

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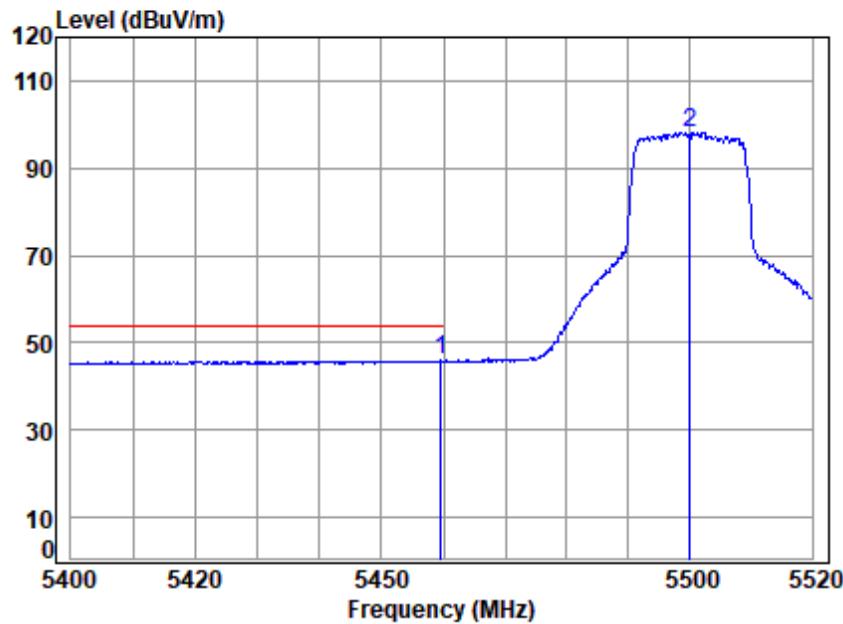
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Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5500 Band edge  
: 5G Wi-Fi 11n20

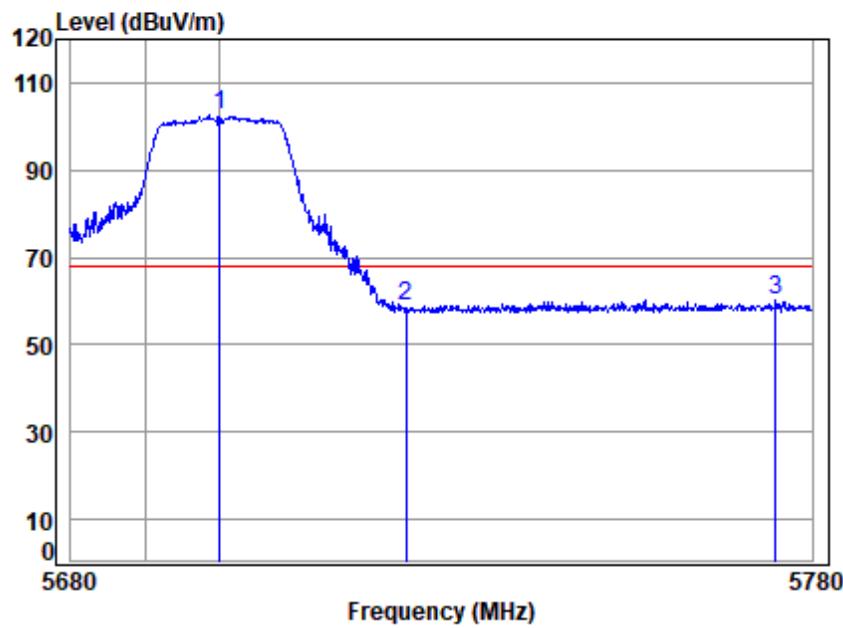
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	dBuV			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5459.550	10.60	32.90	30.72	33.14	45.92	54.00	-8.08 Average
2	5500.000	10.58	32.90	30.70	85.39	98.17	-----	----- Average

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



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5700 Band edge

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5700.000	10.56	33.20	30.62	89.43	102.57	68.20	34.37 peak
2	5725.000	10.68	33.25	30.61	45.46	58.78	68.20	-9.42 peak
3	5775.059	10.91	33.35	30.59	46.50	60.17	68.20	-8.03 peak

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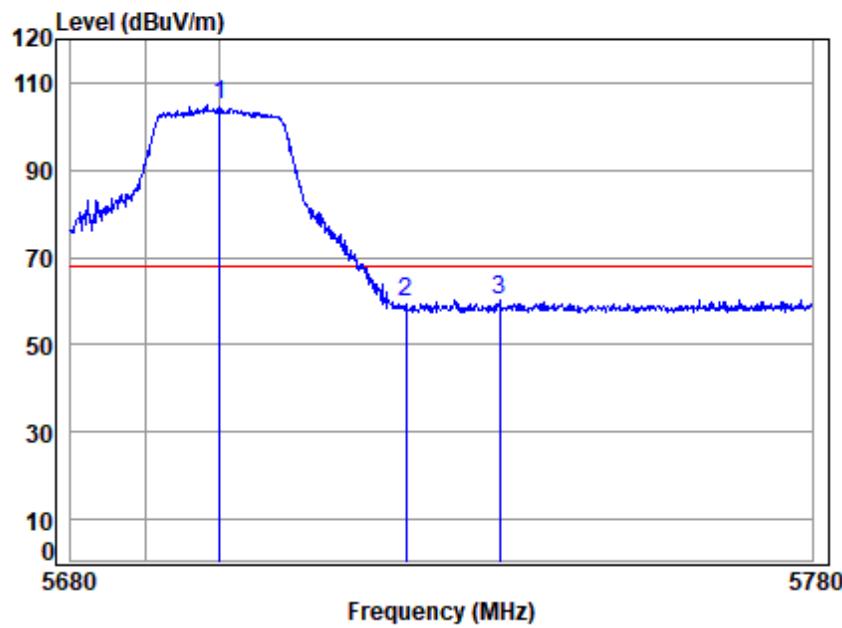
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Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5700 Band edge  
: 5G Wi-Fi 11n20

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark	
	Loss	Factor	Factor	Level	Level	Line	Limit		
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	5700.000	10.56	33.20	30.62	91.67	104.81	68.20	36.61 Peak
2		5725.000	10.68	33.25	30.61	46.56	59.88	68.20	-8.32 Peak
3		5737.687	10.73	33.28	30.60	46.76	60.17	68.20	-8.03 Peak

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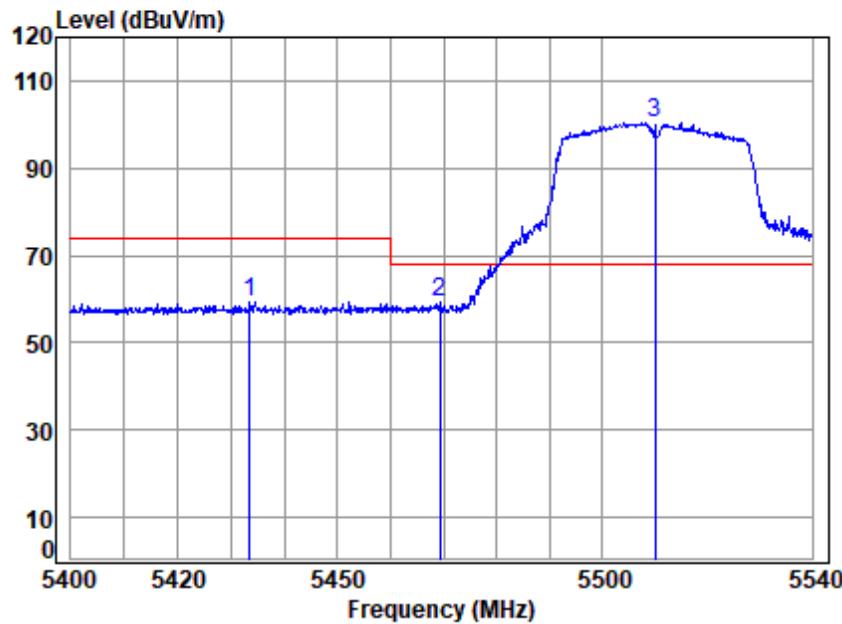
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5510 Band edge

		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	5433.552	10.61	32.87	30.73	46.74	59.49	74.00	-14.51	peak	
2	5469.272	10.59	32.90	30.71	46.42	59.20	68.20	-9.00	peak	
3 pp	5510.000	10.56	32.90	30.70	87.83	100.59	68.20	32.39	peak	

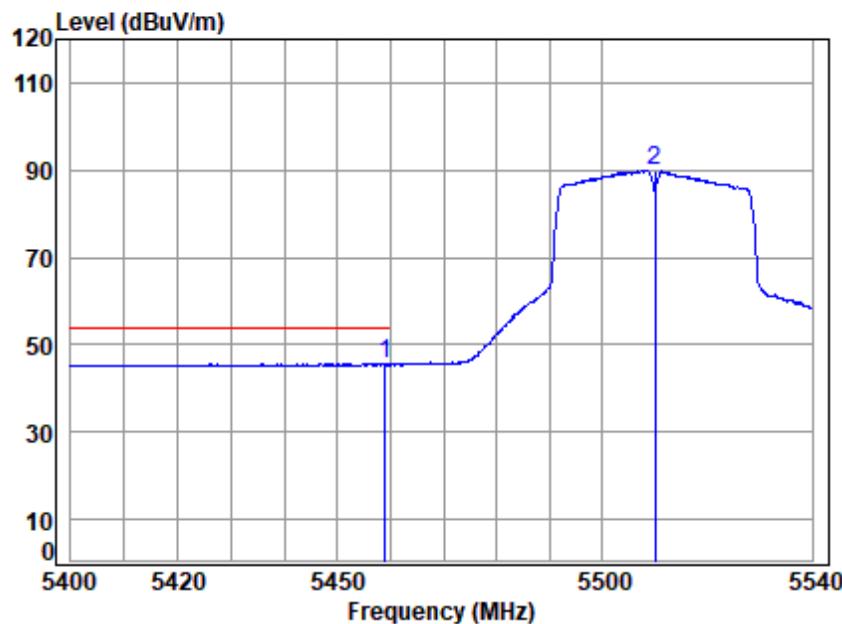


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Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5510 Band edge  
: 5G Wi-Fi 11n40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	dBuV			
1 pp	5458.923	10.60	32.90	30.72	32.93	45.71	54.00	-8.29 Average
2	5510.000	10.56	32.90	30.70	77.18	89.94	-----	----- Average

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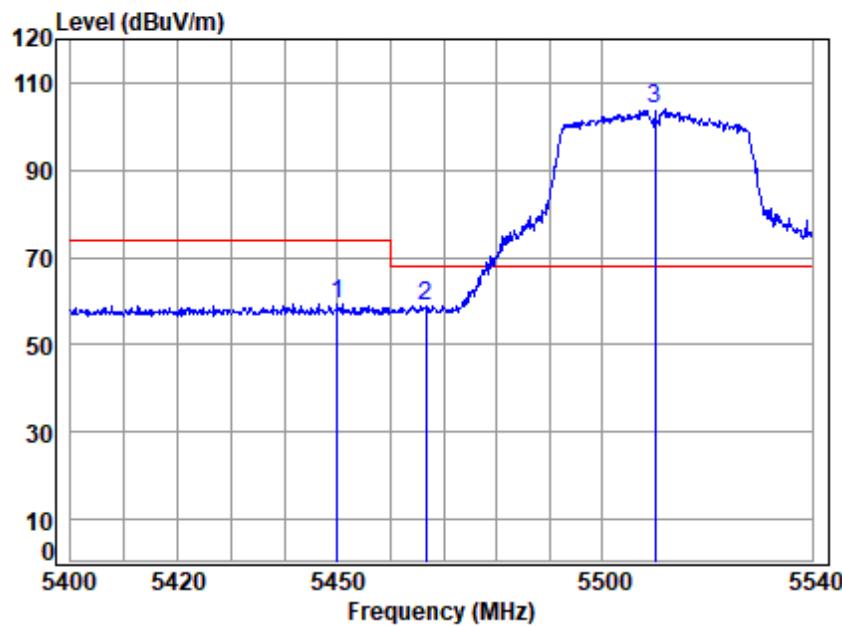
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Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5510 Band edge  
: 5G Wi-Fi 11n40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level	Level	Line		
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5449.848	10.60	32.90	30.72	46.66	59.44	74.00	-14.56 Peak
2	5466.613	10.59	32.90	30.71	46.27	59.05	68.20	-9.15 peak
3 pp	5510.000	10.56	32.90	30.70	91.14	103.90	68.20	35.70 Peak

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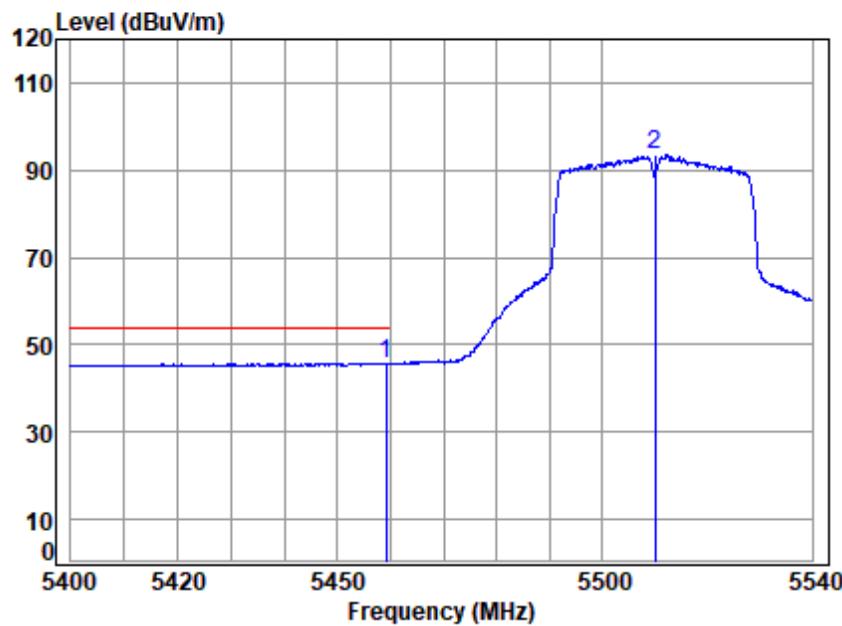
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Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5510 Band edge  
: 5G Wi-Fi 11n40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	dBuV			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5459.063	10.60	32.90	30.72	33.01	45.79	54.00	-8.21 Average
2	5510.000	10.56	32.90	30.70	80.59	93.35	-----	----- Average

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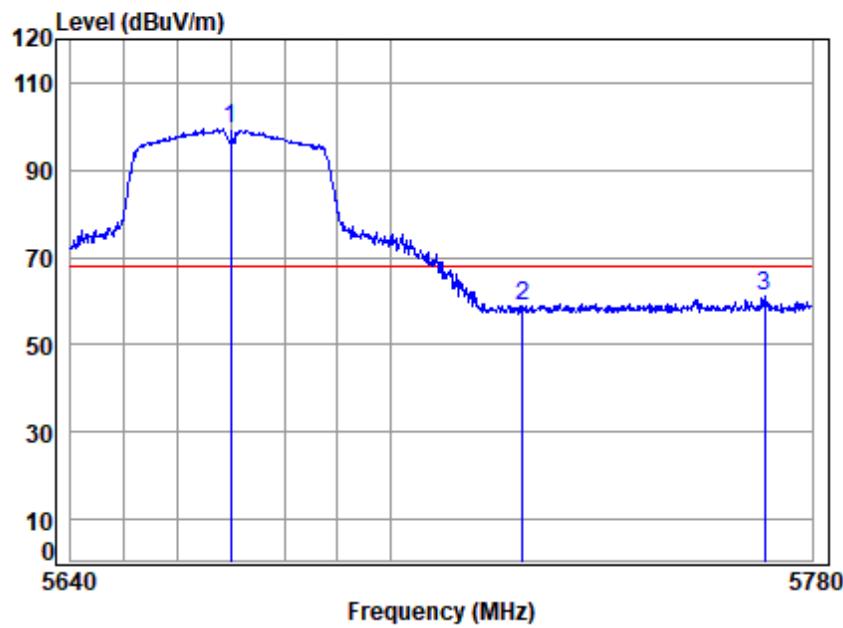
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5670 Band edge  
: 5G Wi-Fi 11n40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Level	Level	Line		
1 pp	5670.000	10.52	33.14	30.63	86.64	99.67	68.20	31.47 peak
2	5725.000	10.68	33.25	30.61	45.59	58.91	68.20	-9.29 peak
3	5770.937	10.89	33.34	30.59	47.33	60.97	68.20	-7.23 peak



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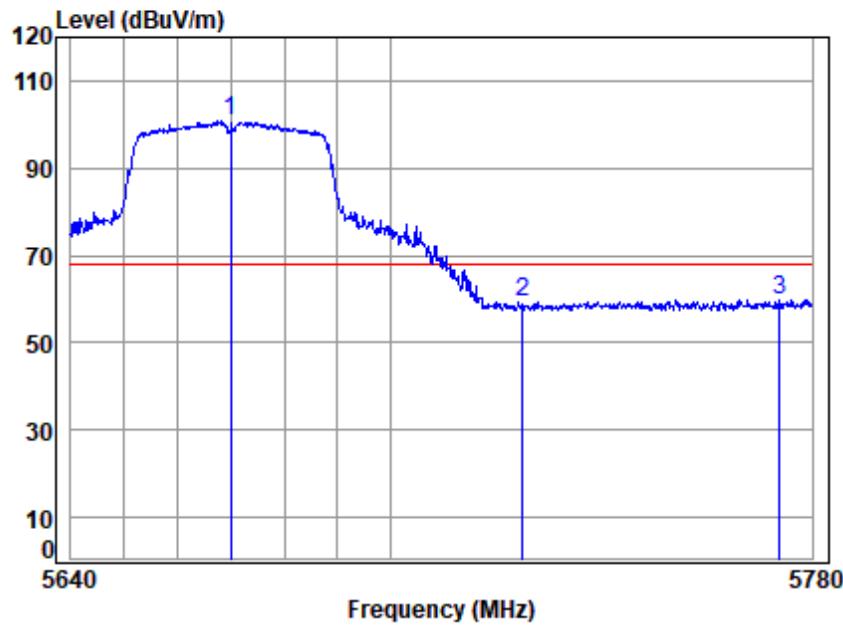
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Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5670 Band edge  
: 5G Wi-Fi 11n40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Level	Level	Line		
1 pp	5670.000	10.52	33.14	30.63	87.62	100.65	68.20	32.45 Peak
2	5725.000	10.68	33.25	30.61	45.87	59.19	68.20	-9.01 Peak
3	5773.768	10.90	33.35	30.59	46.21	59.87	68.20	-8.33 Peak

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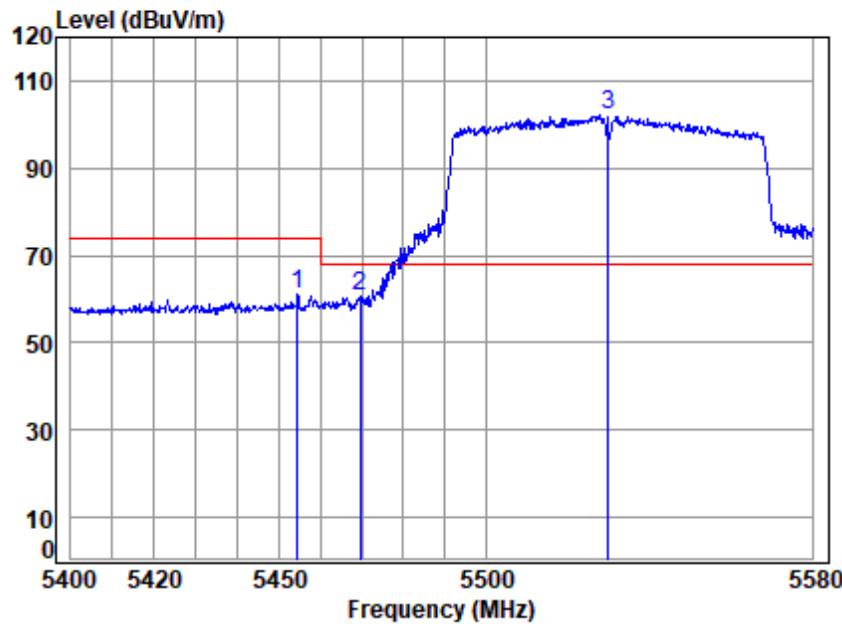
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5530 Band edge

: 5G Wi-Fi 11ac80

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit dB	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	
1	5454.455	10.60	32.90	30.72	48.14	60.92	74.00	-13.08	peak
2	5469.499	10.59	32.90	30.71	47.89	60.67	68.20	-7.53	peak
3 pp	5530.000	10.53	32.90	30.69	89.42	102.16	68.20	33.96	peak

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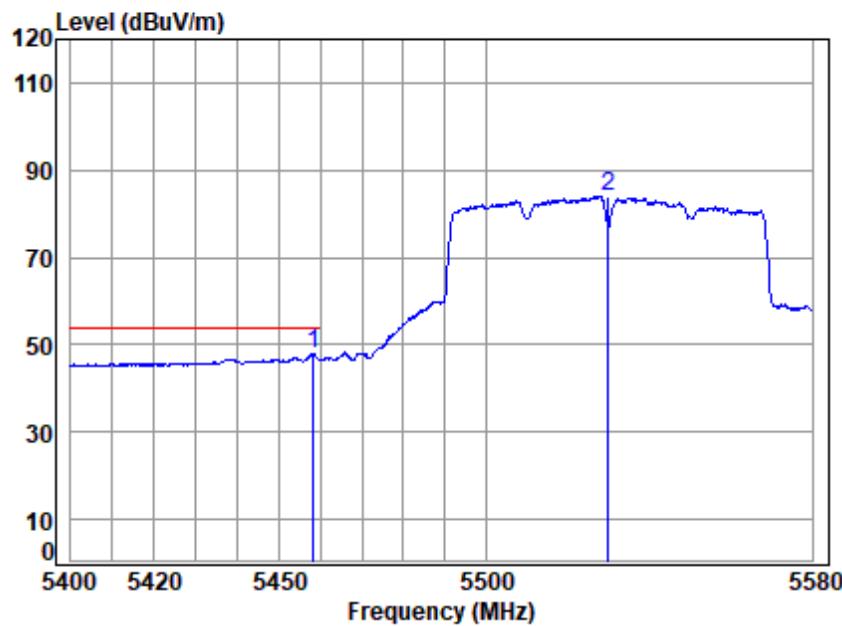
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5530 Band edge

: 5G Wi-Fi 11ac80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark	
				dB	dB/m	dB	dBuV	dBuV/m	dBuV/m
1 pp	5458.391	10.60	32.90	30.72	35.13	47.91	54.00	-6.09	Average
2	5530.000	10.53	32.90	30.69	71.11	83.85	-----	-----	Average

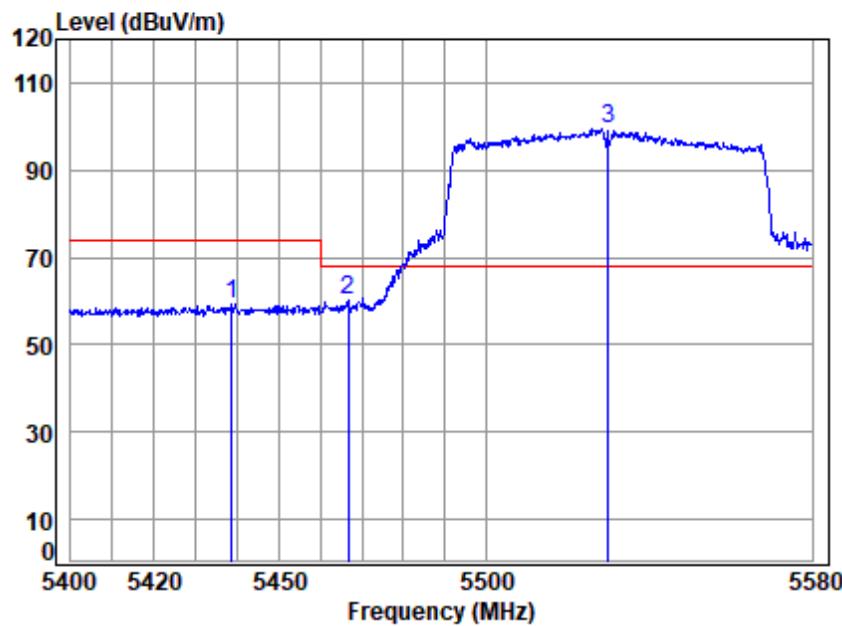
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5530 Band edge

: 5G Wi-Fi 11ac80

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5438.560	10.60	32.88	30.72	46.47	59.23	74.00	-14.77 Peak
2	5466.630	10.59	32.90	30.71	47.59	60.37	68.20	-7.83 peak
3 pp	5530.000	10.53	32.90	30.69	86.59	99.33	68.20	31.13 Peak

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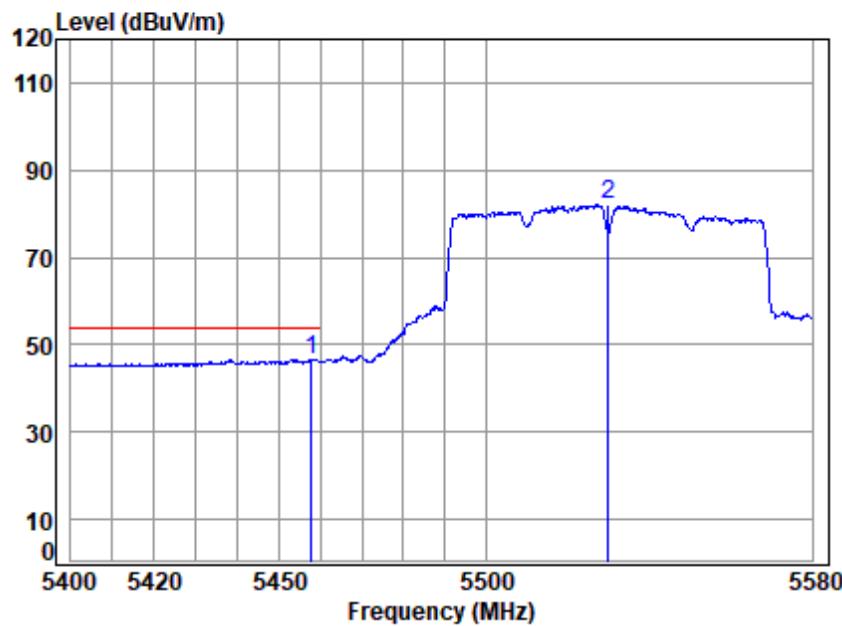
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5530 Band edge

: 5G Wi-Fi 11ac80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark	
				dB	dB/m	dB	dBuV	dBuV/m	dBuV/m
1 pp	5457.854	10.60	32.90	30.72	33.91	46.69	54.00	-7.31	Average
2	5530.000	10.53	32.90	30.69	69.27	82.01	-----	-----	Average

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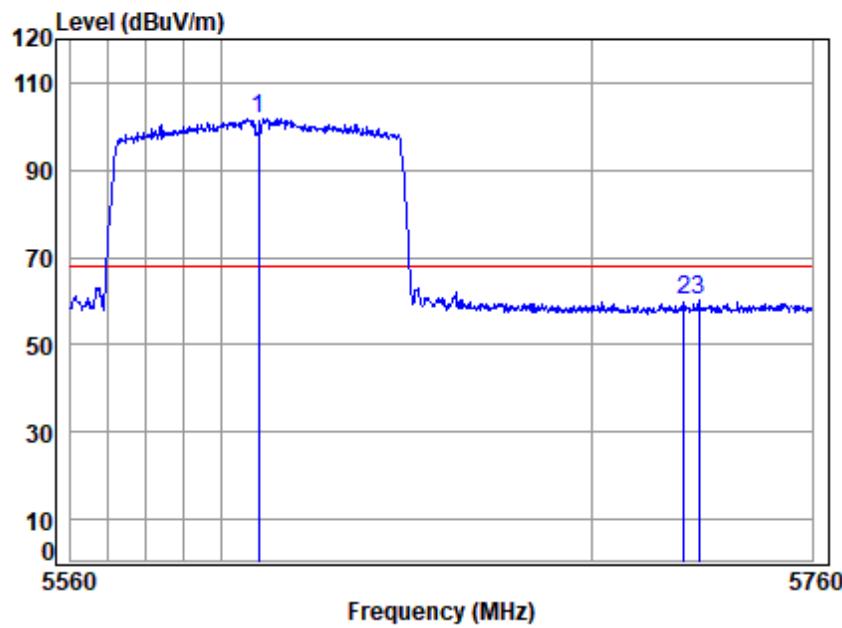
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5610 Band edge

: 5G Wi-Fi 11ac80

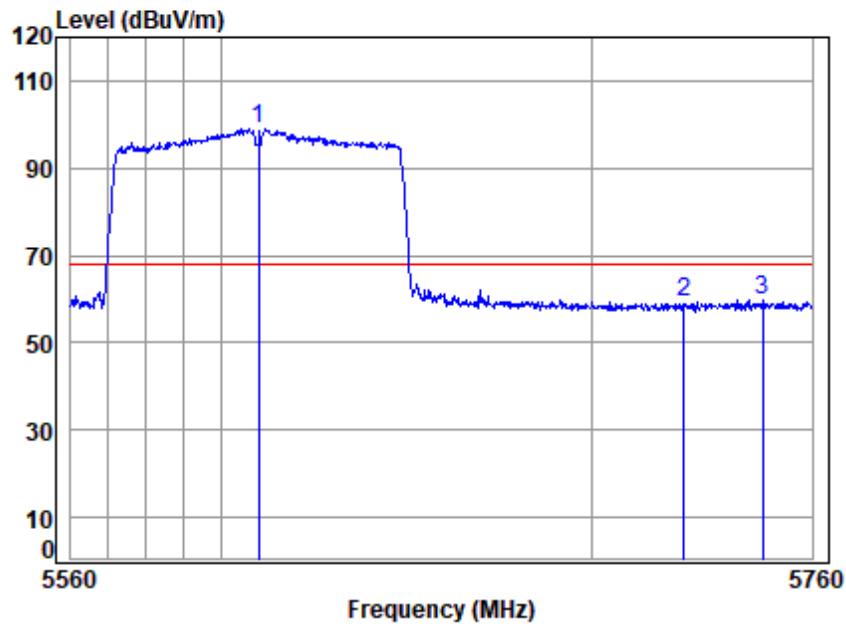
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
1 pp	5610.000	10.43	33.02	30.66	89.07	101.86	68.20	33.66 peak
2	5725.000	10.68	33.25	30.61	46.69	60.01	68.20	-8.19 peak
3	5728.940	10.69	33.26	30.61	46.67	60.01	68.20	-8.19 peak

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



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5610 Band edge

: 5G Wi-Fi 11ac80

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5610.000	10.43	33.02	30.66	86.31	99.10	68.20	30.90 Peak
2	5725.000	10.68	33.25	30.61	45.79	59.11	68.20	-9.09 peak
3	5746.581	10.77	33.29	30.60	46.39	59.85	68.20	-8.35 Peak

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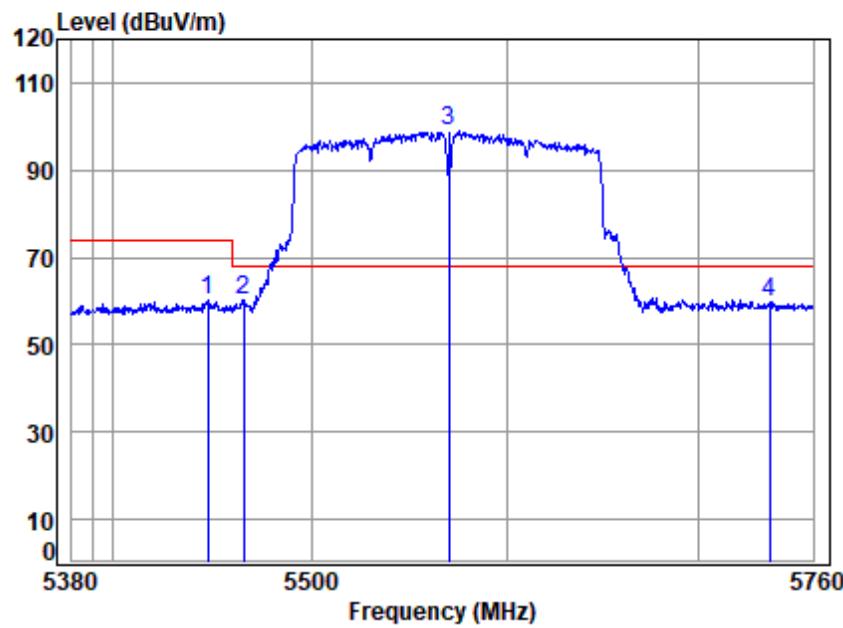
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:160MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5570 Band edge

: 5G Wi-Fi 11ac160

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5447.615	10.60	32.90	30.72	47.57	60.35	74.00	-13.65 peak
2	5465.864	10.59	32.90	30.71	47.59	60.37	68.20	-7.83 peak
3 pp	5570.000	10.46	32.94	30.67	86.18	98.91	68.20	30.71 peak
4	5737.245	10.73	33.27	30.61	46.41	59.80	68.20	-8.40 peak

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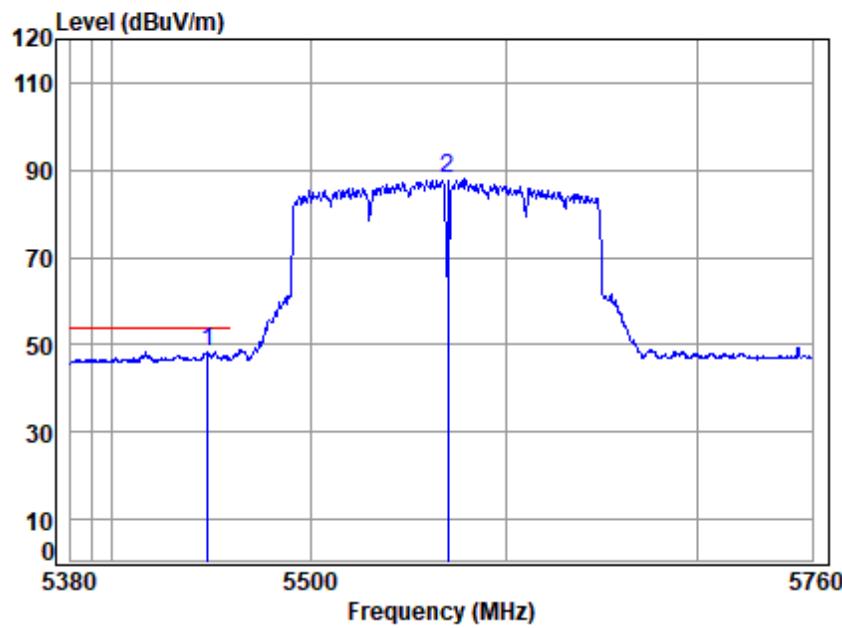
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:160MHz; Channel:middle



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5570 Band edge  
: 5G Wi-Fi 11ac160

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	dBuV			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5448.359	10.60	32.90	30.72	35.52	48.30	54.00	-5.70 Average
2	5570.000	10.46	32.94	30.67	75.26	87.99	-----	----- Average



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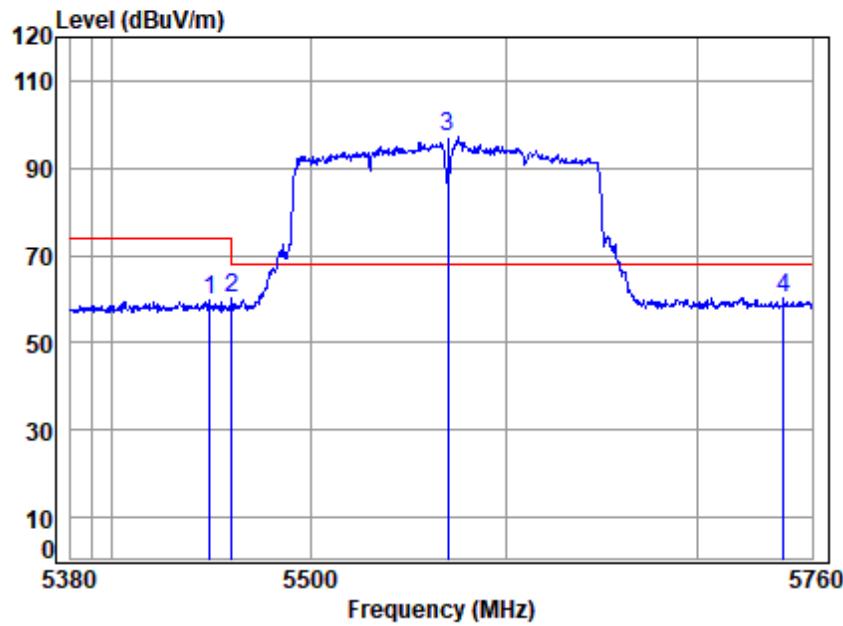
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:160MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5570 Band edge  
: 5G Wi-Fi 11ac160

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5449.103	10.60	32.90	30.72	47.11	59.89	74.00 -14.11 peak
2	5460.271	10.60	32.90	30.72	47.44	60.22	68.20 -7.98 peak
3 pp	5570.000	10.46	32.94	30.67	84.46	97.19	68.20 28.99 peak
4	5745.081	10.77	33.29	30.60	46.86	60.32	68.20 -7.88 peak

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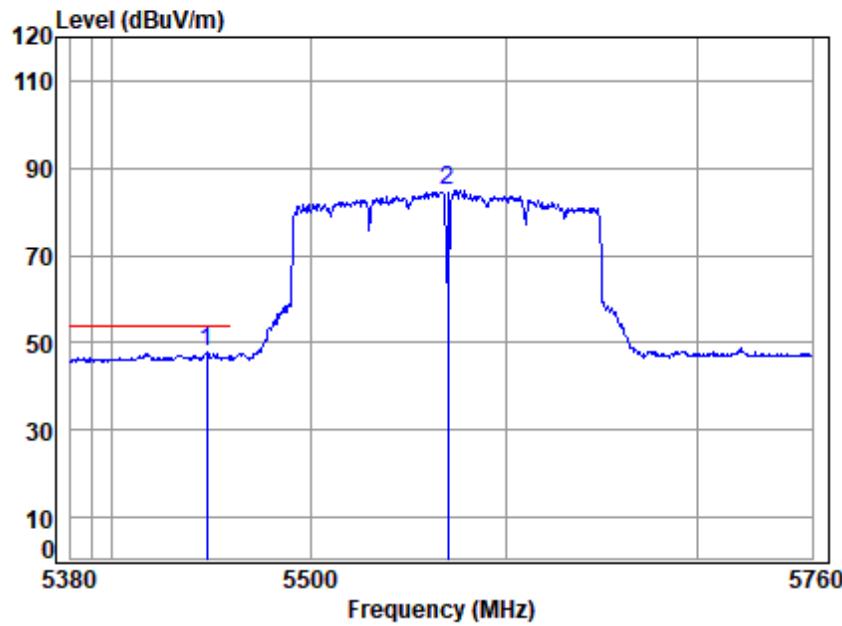
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:160MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5570 Band edge

: 5G Wi-Fi 11ac160

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	dBuV			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5447.987	10.60	32.90	30.72	34.92	47.70	54.00	-6.30 Average
2	5570.000	10.46	32.94	30.67	72.21	84.94	-----	----- Average

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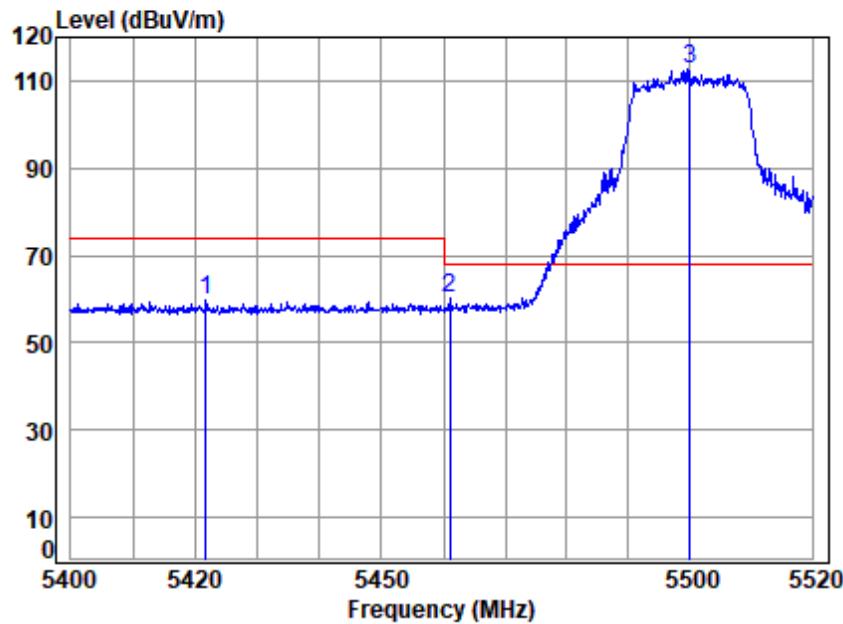
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5500 Band edge

: 5G Wi-Fi 11ax20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit dB	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m		
1	5421.644	10.61	32.84	30.73	46.95	59.67	74.00	-14.33	peak
2	5460.990	10.60	32.90	30.72	47.36	60.14	68.20	-8.06	peak
3 pp	5500.000	10.58	32.90	30.70	99.71	112.49	68.20	44.29	peak

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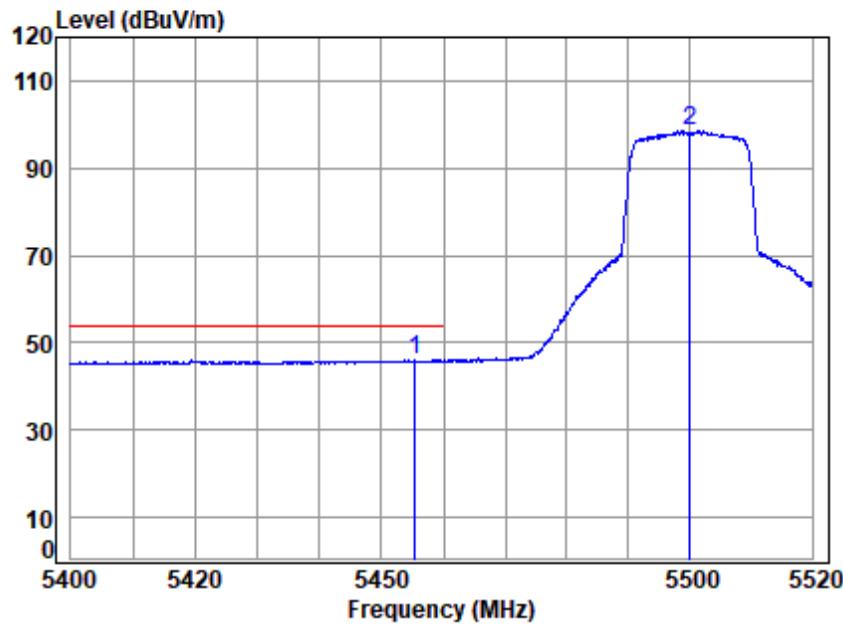
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5500 Band edge

: 5G Wi-Fi 11ax20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit dB	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m		
1	pp	5455.352	10.60	32.90	30.72	33.31	46.09	54.00	-7.91 Average
2		5500.000	10.58	32.90	30.70	85.82	98.60	-----	----- Average



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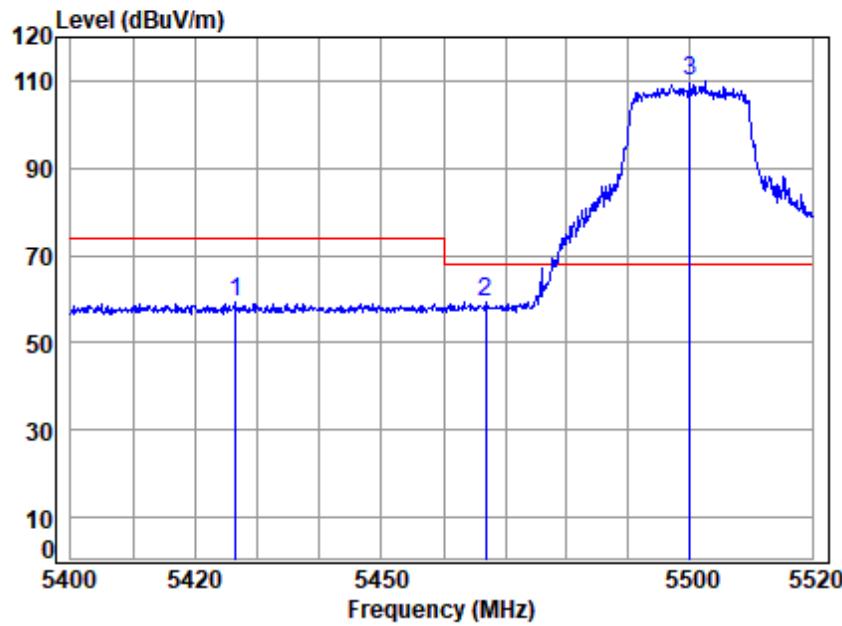
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5500 Band edge

: 5G Wi-Fi 11ax20

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit dB	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m		
1	5426.413	10.61	32.85	30.73	46.67	59.40	74.00	-14.60	Peak
2	5466.875	10.59	32.90	30.71	46.58	59.36	68.20	-8.84	peak
3 pp	5500.000	10.58	32.90	30.70	97.21	109.99	68.20	41.79	Peak

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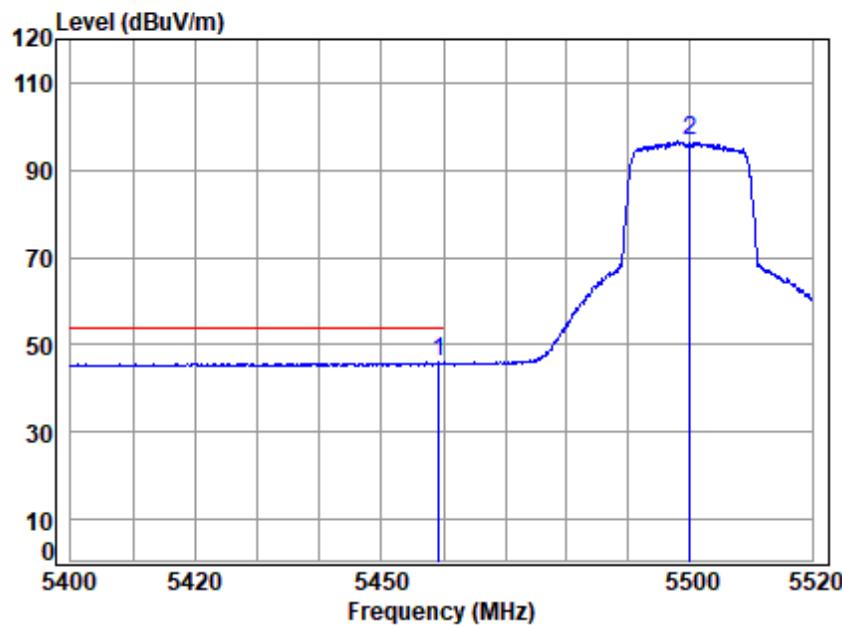
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5500 Band edge  
: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1 pp	5459.311	10.60	32.90	30.72	33.28	46.06	54.00 -7.94 Average
2	5500.000	10.58	32.90	30.70	84.00	96.78	----- ----- Average

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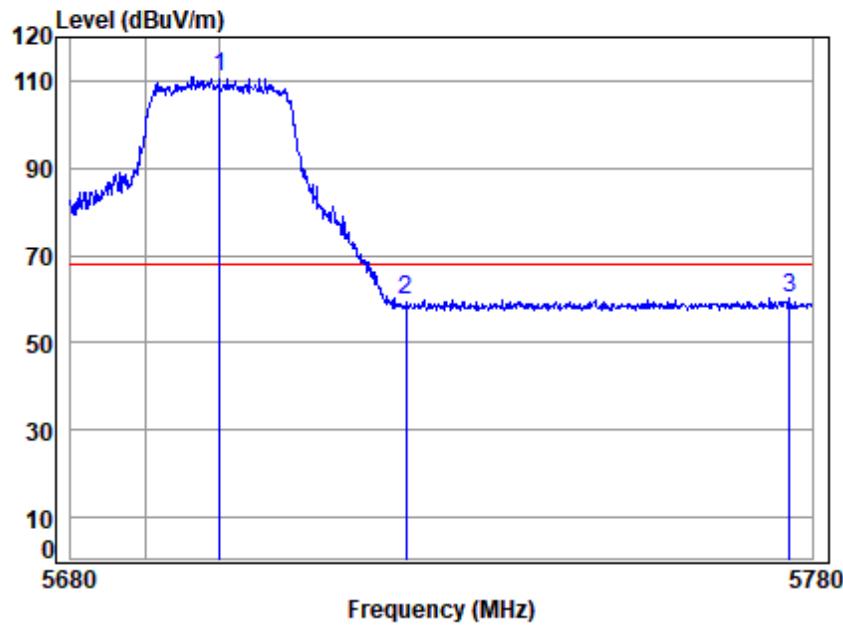
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5700 Band edge

: 5G Wi-Fi 11ax20

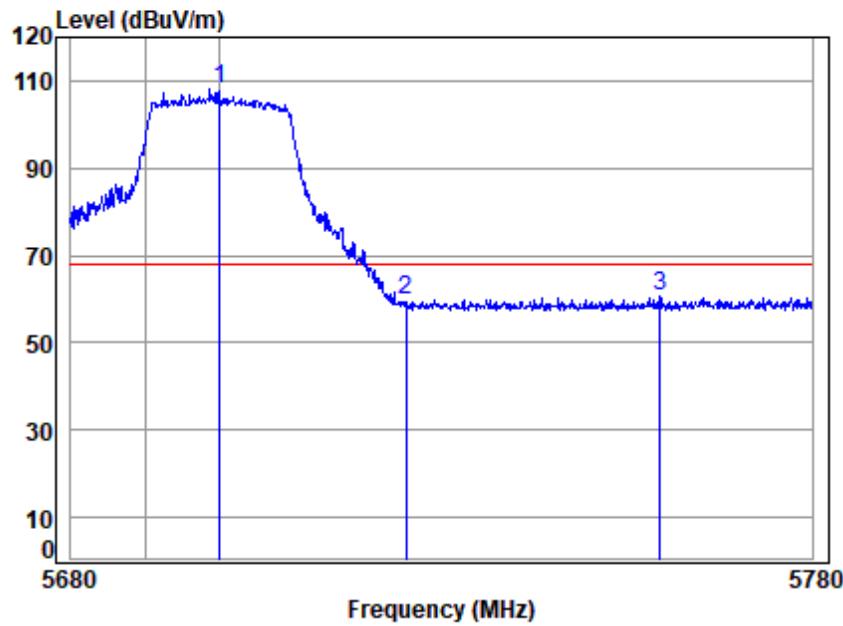
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dBuV/m	dB
1 pp	5700.000	10.56	33.20	30.62	97.58	110.72	68.20	42.52 peak
2	5725.000	10.68	33.25	30.61	46.43	59.75	68.20	-8.45 peak
3	5776.975	10.91	33.35	30.59	46.49	60.16	68.20	-8.04 peak

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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5700 Band edge

: 5G Wi-Fi 11ax20

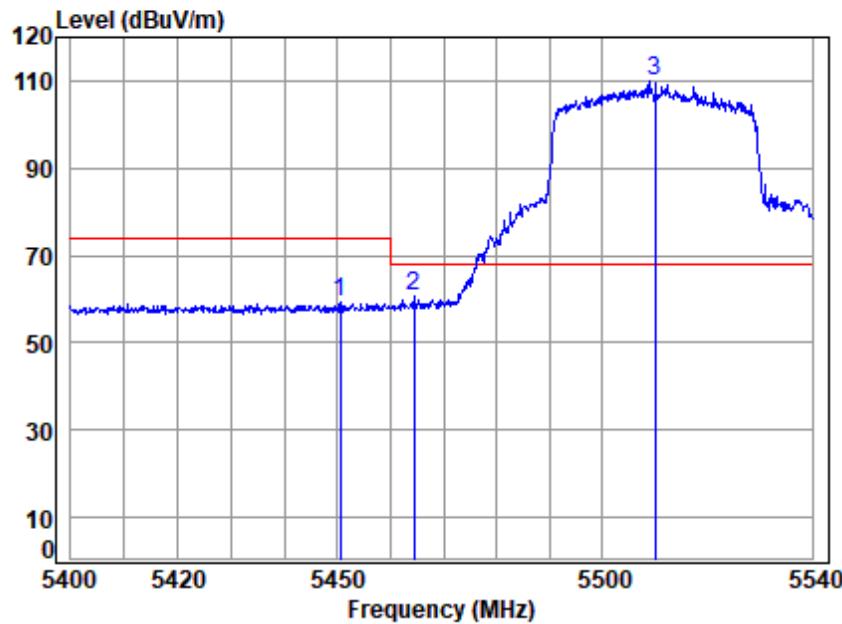
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	dBuV			
1 pp	5700.000	10.56	33.20	30.62	94.90	108.04	68.20	39.84 Peak
2	5725.000	10.68	33.25	30.61	46.23	59.55	68.20	-8.65 Peak
3	5759.357	10.83	33.32	30.60	47.01	60.56	68.20	-7.64 Peak

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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5510 Band edge

: 5G Wi-Fi 11ax40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5450.406	10.60	32.90	30.72	46.52	59.30	74.00 -14.70 peak
2	5464.375	10.59	32.90	30.71	47.98	60.76	68.20 -7.44 peak
3 pp	5510.000	10.56	32.90	30.70	97.33	110.09	68.20 41.89 peak

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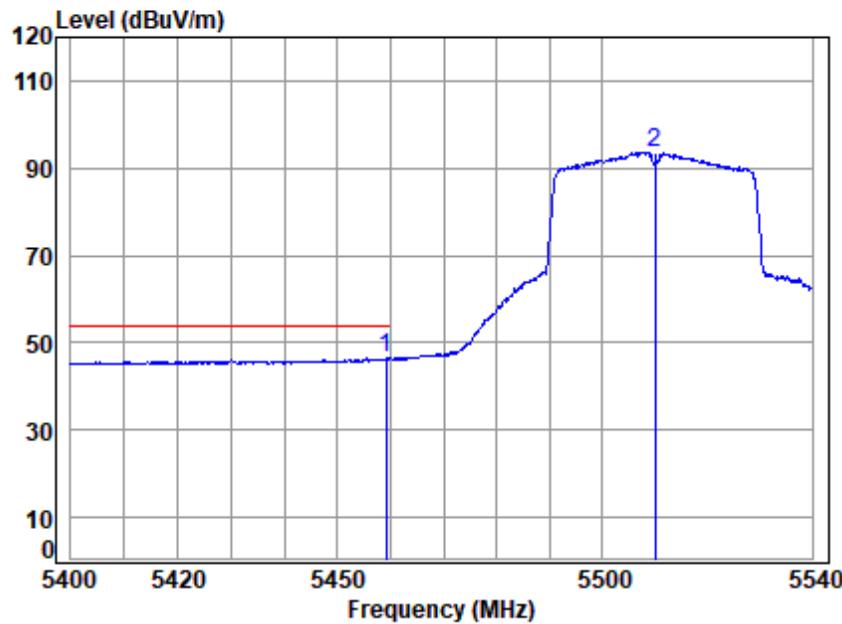
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5510 Band edge  
: 5G Wi-Fi 11ax40

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level	Level	Line	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5459.202	10.60	32.90	30.72	33.85	46.63	54.00	-7.37 Average
2	5510.000	10.56	32.90	30.70	80.96	93.72	-----	----- Average

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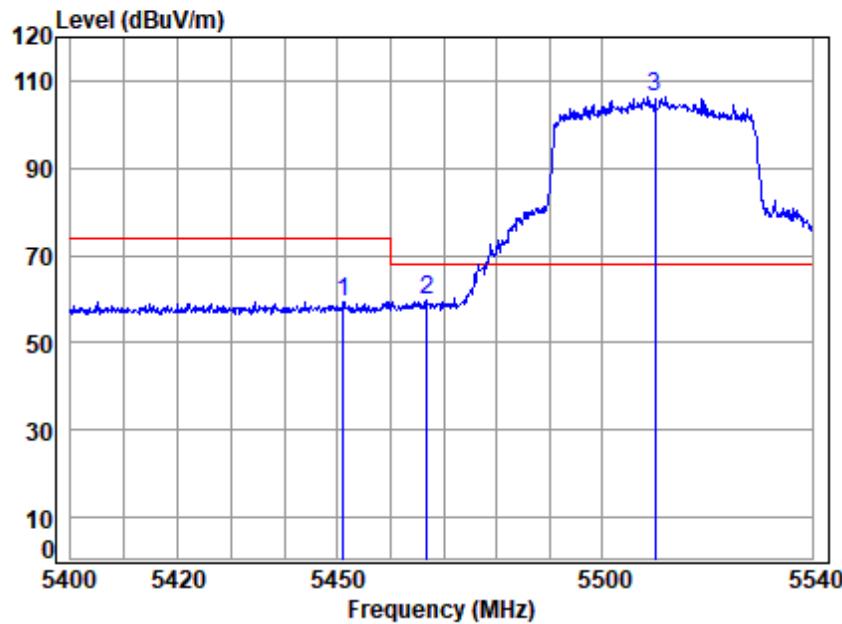
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5510 Band edge  
: 5G Wi-Fi 11ax40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5450.964	10.60	32.90	30.72	46.75	59.53	74.00 -14.47 Peak
2	5466.893	10.59	32.90	30.71	46.92	59.70	68.20 -8.50 peak
3 pp	5510.000	10.56	32.90	30.70	93.52	106.28	68.20 38.08 Peak

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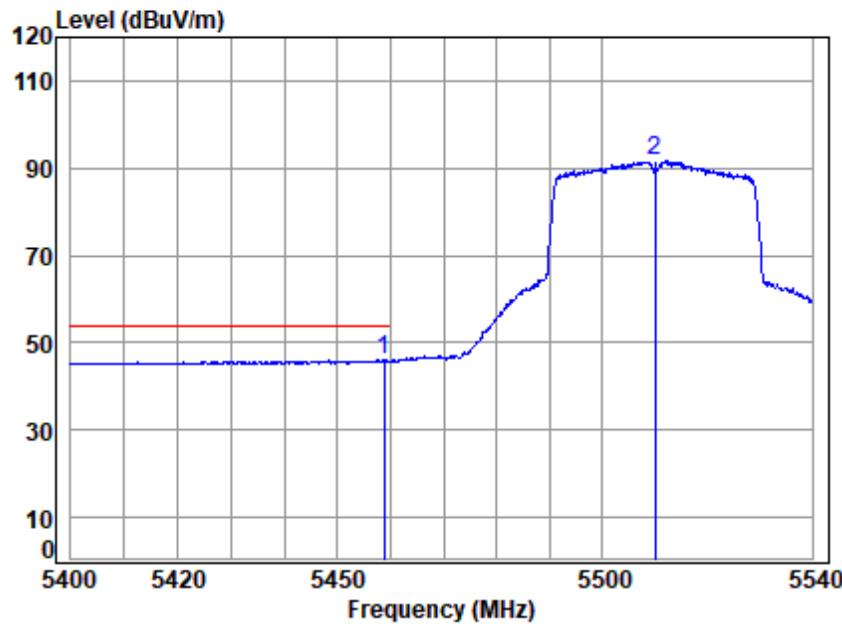
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5510 Band edge

: 5G Wi-Fi 11ax40

		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	5458.783	10.60	32.90	30.72	33.32	46.10	54.00	-7.90	Average
2		5510.000	10.56	32.90	30.70	79.08	91.84	-----	-----	Average

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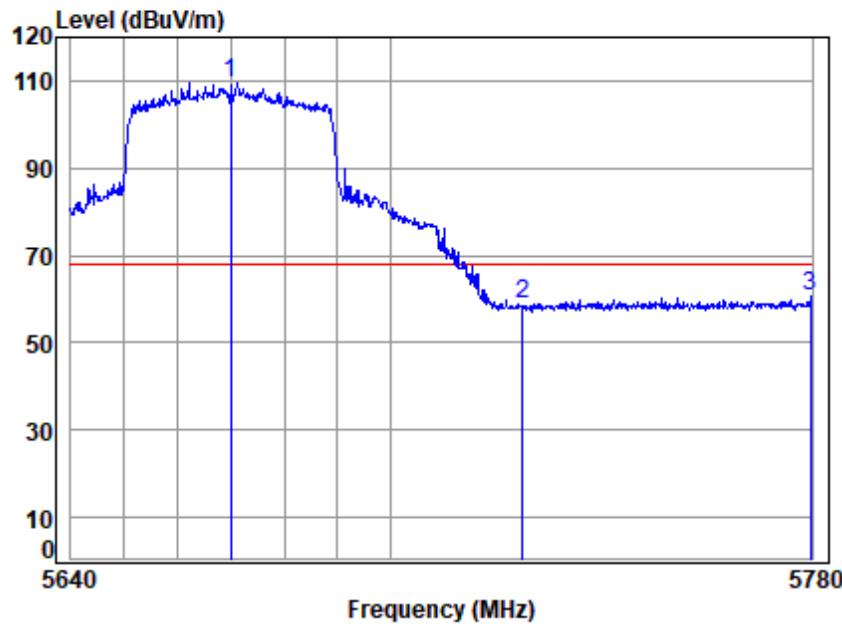
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5670 Band edge  
: 5G Wi-Fi 11ax40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Level	Level	Line		
1 pp	5670.000	10.52	33.14	30.63	96.60	109.63	68.20	41.43 peak
2	5725.000	10.68	33.25	30.61	45.69	59.01	68.20	-9.19 peak
3	5779.717	10.93	33.36	30.59	47.08	60.78	68.20	-7.42 peak

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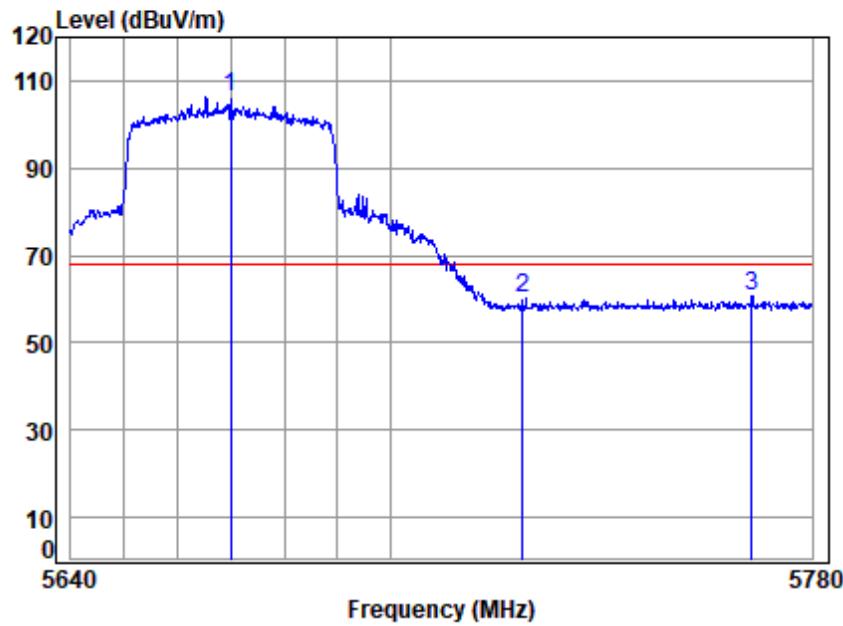
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5670 Band edge  
: 5G Wi-Fi 11ax40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Level	Level	Line		
1 pp	5670.000	10.52	33.14	30.63	93.12	106.15	68.20	37.95 Peak
2	5725.000	10.68	33.25	30.61	46.82	60.14	68.20	-8.06 Peak
3	5768.532	10.88	33.34	30.59	46.92	60.55	68.20	-7.65 Peak

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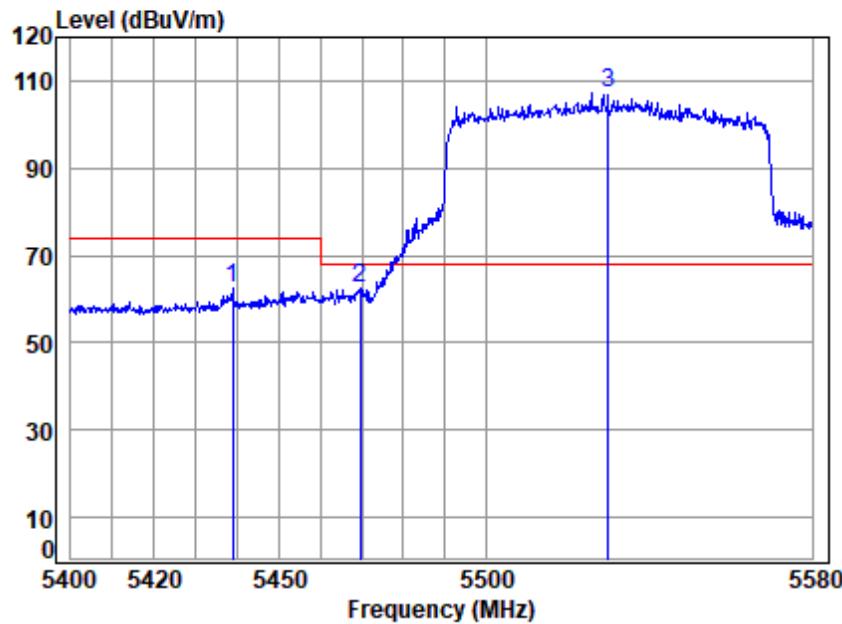
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5530 Band edge

: 5G Wi-Fi 11ax80

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5438.738	10.60	32.88	30.72	49.74	62.50	74.00	-11.50 peak
2	5469.678	10.59	32.90	30.71	49.66	62.44	68.20	-5.76 peak
3 pp	5530.000	10.53	32.90	30.69	94.43	107.17	68.20	38.97 peak

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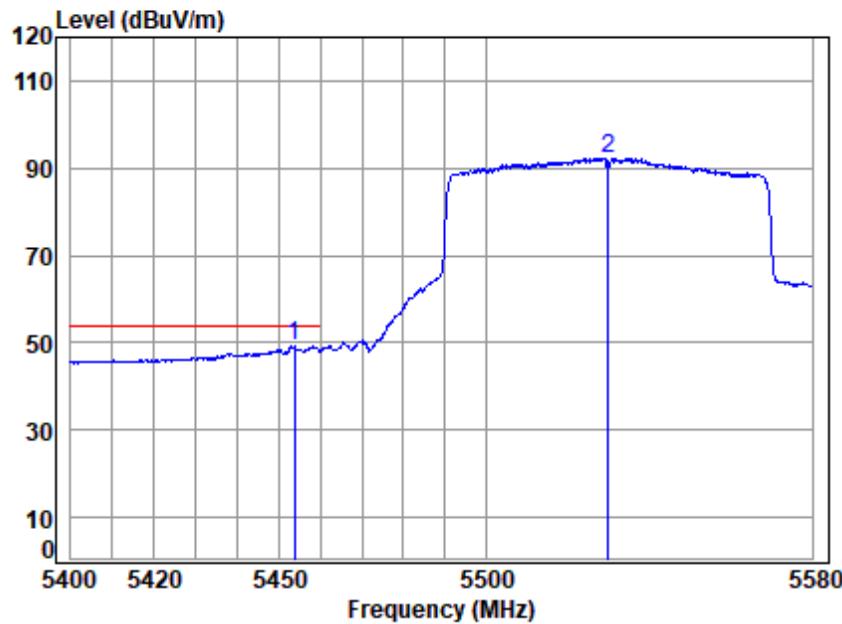
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5530 Band edge

: 5G Wi-Fi 11ax80

		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	5453.739	10.60	32.90	30.72	36.37	49.15	54.00	-4.85	Average
2		5530.000	10.53	32.90	30.69	79.61	92.35	-----	-----	Average

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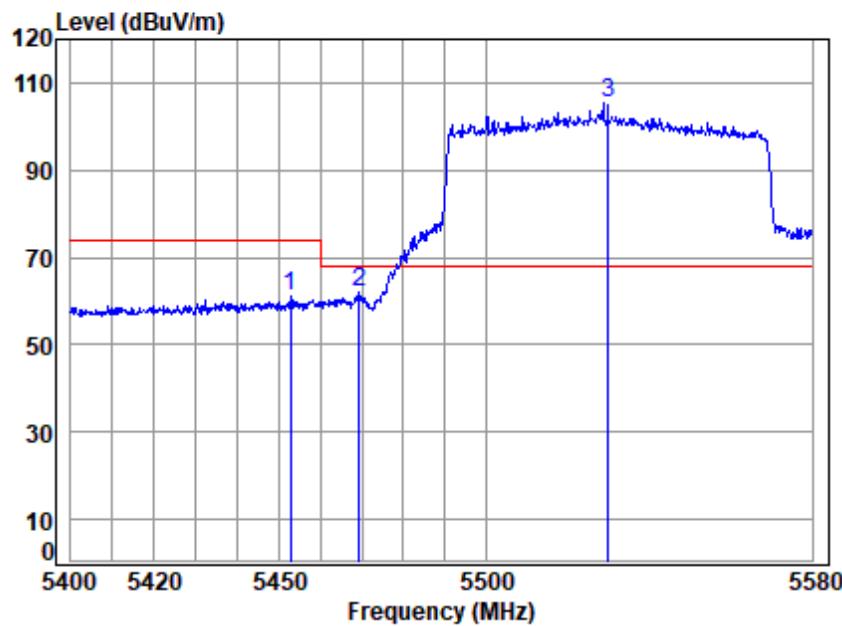
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5530 Band edge

: 5G Wi-Fi 11ax80

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5452.667	10.60	32.90	30.72	48.22	61.00	74.00	-13.00 Peak
2	5469.319	10.59	32.90	30.71	49.11	61.89	68.20	-6.31 peak
3 pp	5530.000	10.53	32.90	30.69	92.61	105.35	68.20	37.15 Peak

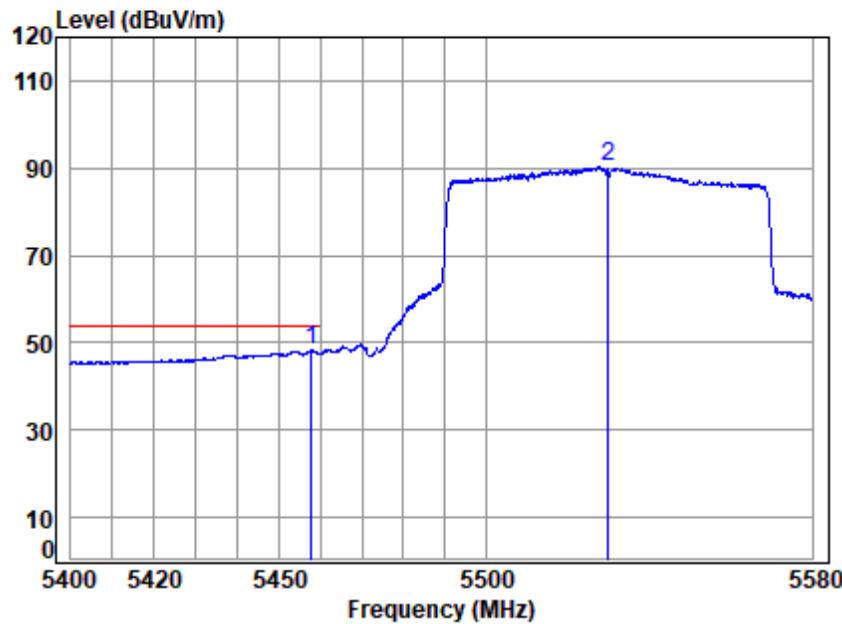
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5530 Band edge

: 5G Wi-Fi 11ax80

		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	5457.675	10.60	32.90	30.72	35.44	48.22	54.00	-5.78	Average
2		5530.000	10.53	32.90	30.69	77.55	90.29	-----	-----	Average

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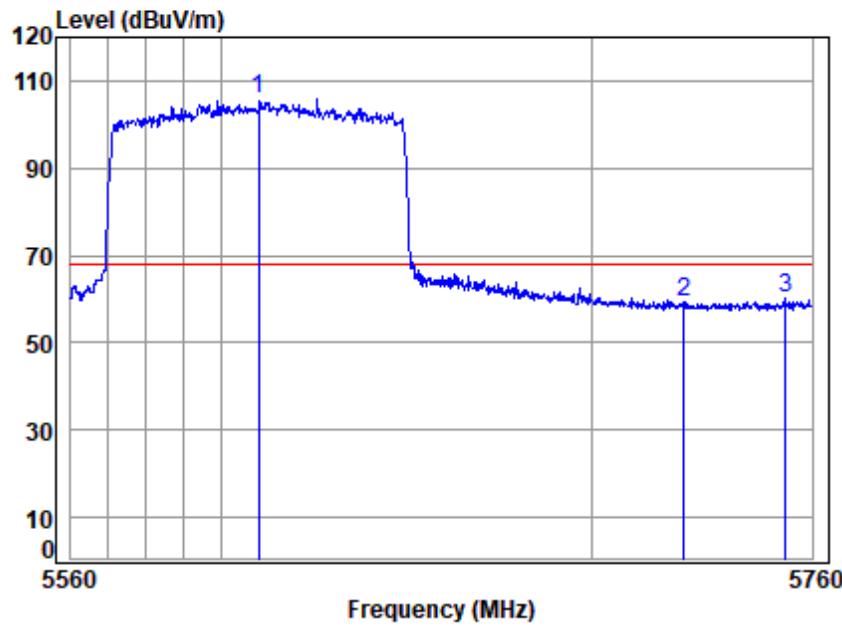
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5610 Band edge

: 5G Wi-Fi 11ax80

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Level	Level	Line		
1 pp	5610.000	10.43	33.02	30.66	92.93	105.72	68.20	37.52 peak
2	5725.000	10.68	33.25	30.61	46.21	59.53	68.20	-8.67 peak
3	5752.677	10.80	33.31	30.60	46.50	60.01	68.20	-8.19 peak

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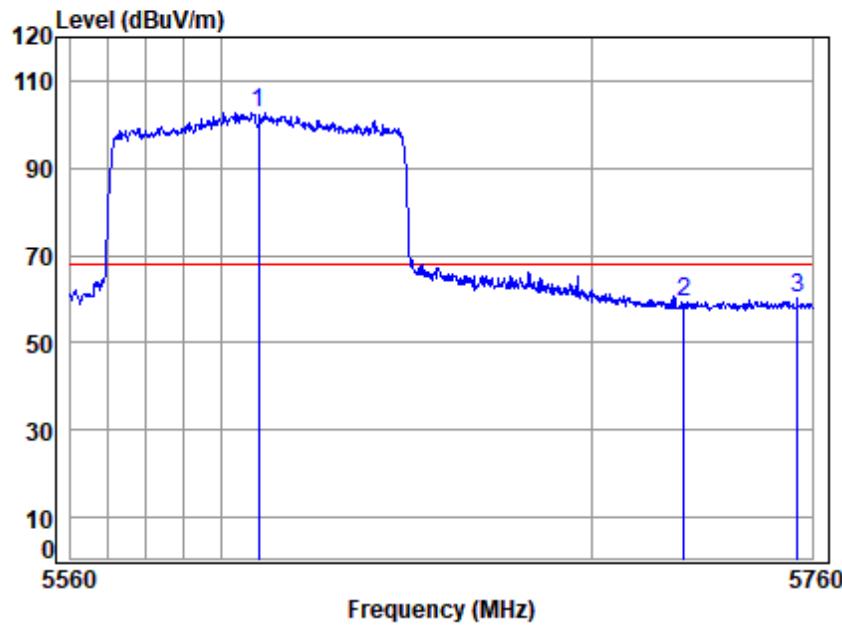
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5610 Band edge

: 5G Wi-Fi 11ax80

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level	Level	Line		
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5610.000	10.43	33.02	30.66	90.05	102.84	68.20	34.64 Peak
2	5725.000	10.68	33.25	30.61	46.16	59.48	68.20	-8.72 peak
3	5755.930	10.82	33.31	30.60	46.73	60.26	68.20	-7.94 Peak

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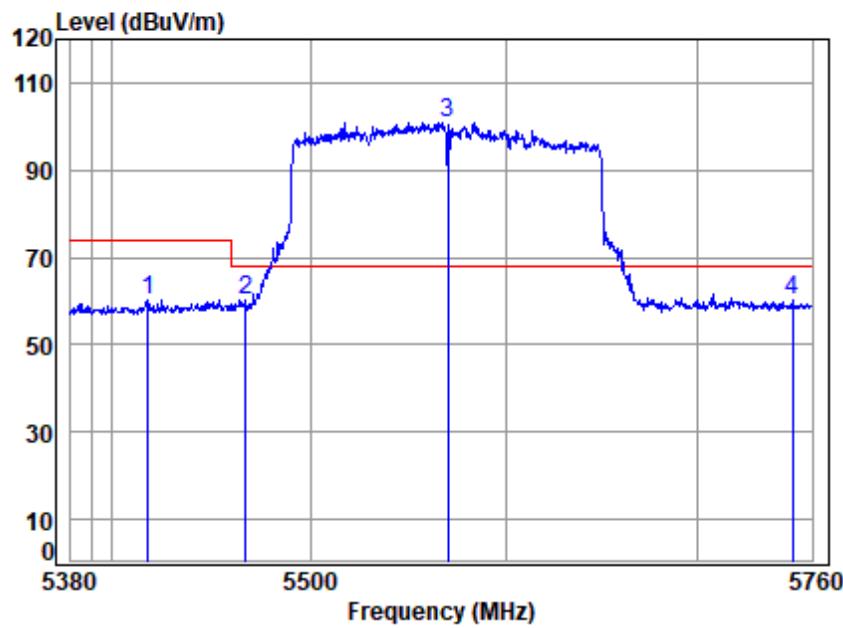
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5570 Band edge  
: 5G Wi-Fi 11ax160

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5418.323	10.61	32.84	30.73	47.45	60.17	74.00 -13.83 peak
2	5467.356	10.59	32.90	30.71	47.65	60.43	68.20 -7.77 peak
3 pp	5570.000	10.46	32.94	30.67	88.24	100.97	68.20 32.77 peak
4	5749.788	10.79	33.30	30.60	46.76	60.25	68.20 -7.95 peak

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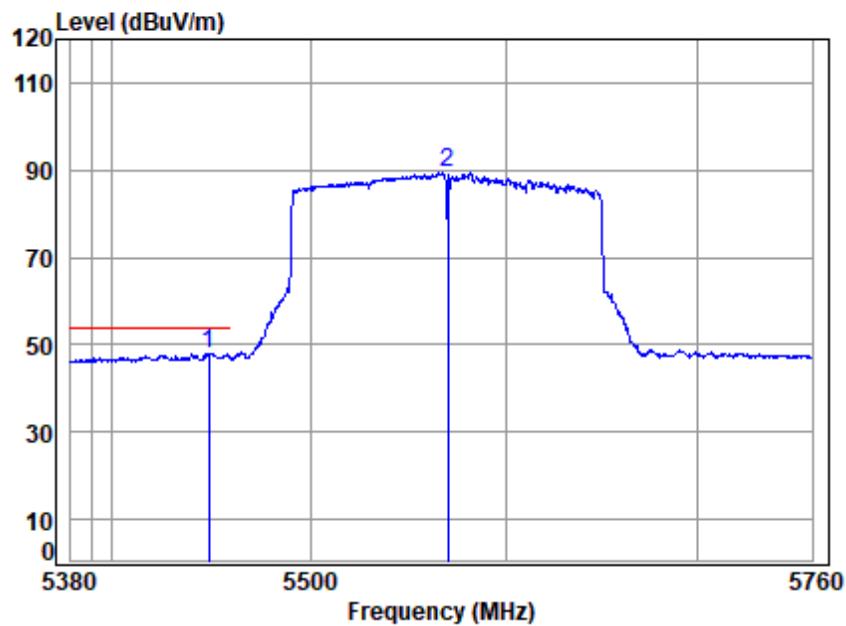
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5570 Band edge

: 5G Wi-Fi 11ax160

		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	5448.731	10.60	32.90	30.72	35.25	48.03	54.00	-5.97	Average
2		5570.000	10.46	32.94	30.67	76.61	89.34	-----	-----	Average

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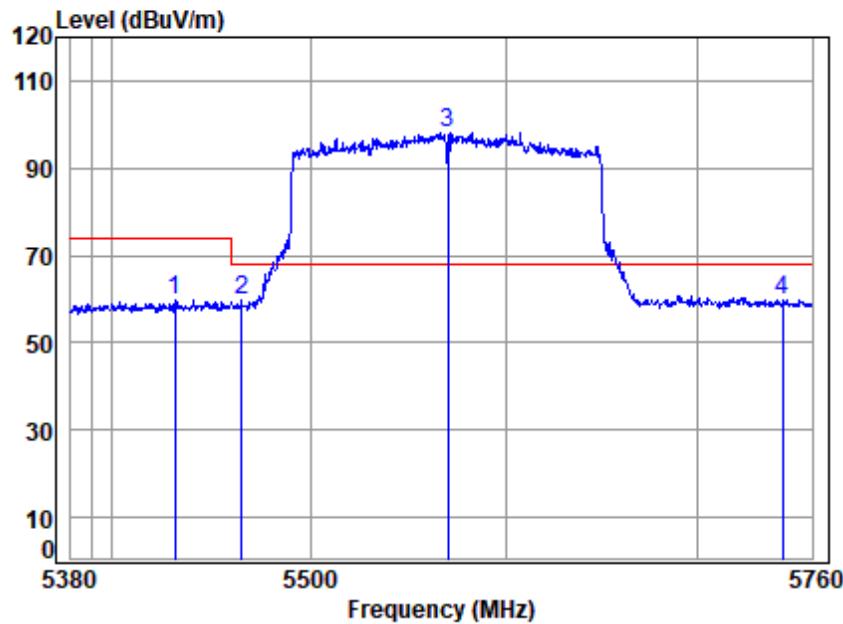
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5570 Band edge

: 5G Wi-Fi 11ax160

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5431.651	10.61	32.86	30.73	46.92	59.66	74.00	-14.34 peak
2	5465.118	10.59	32.90	30.71	46.93	59.71	68.20	-8.49 peak
3 pp	5570.000	10.46	32.94	30.67	85.51	98.24	68.20	30.04 peak
4	5744.297	10.76	33.29	30.60	46.51	59.96	68.20	-8.24 peak

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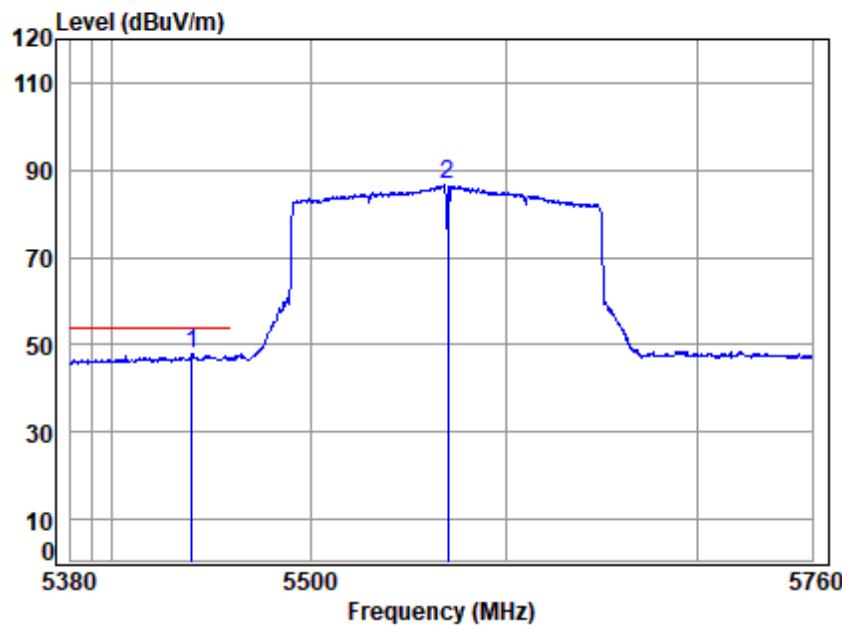
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5570 Band edge

: 5G Wi-Fi 11ax160

		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	5440.556	10.60	32.88	30.72	35.29	48.05	54.00	-5.95	Average
2		5570.000	10.46	32.94	30.67	73.87	86.60	-----	-----	Average

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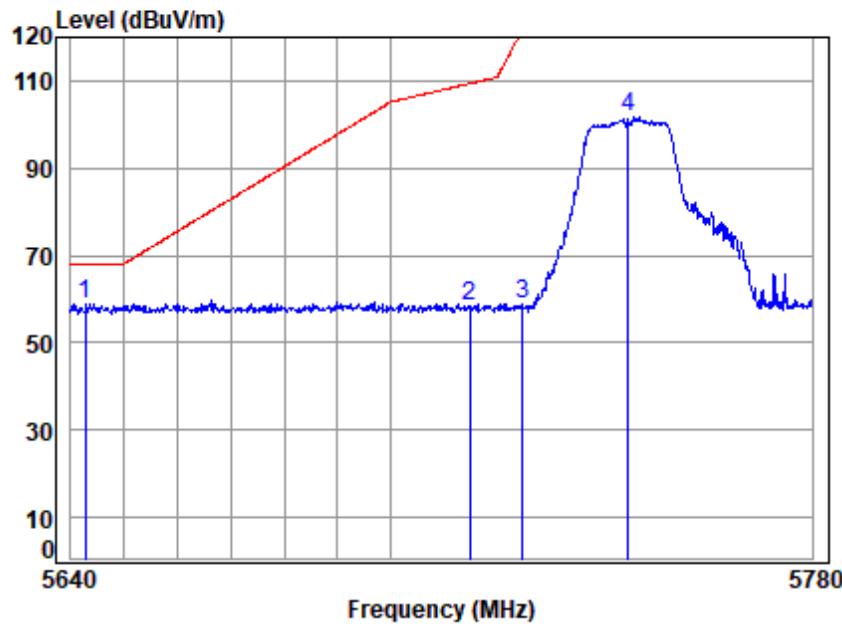
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5745 Band edge  
: 5.8G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1 pp	5642.767	10.47	33.09	30.64	45.97	58.89	68.20 -9.31 peak
2	5715.000	10.63	33.23	30.61	45.13	58.38	109.40 -51.02 peak
3	5725.000	10.68	33.25	30.61	45.56	58.88	122.20 -63.32 peak
4	5745.000	10.77	33.29	30.60	88.27	101.73	----- peak

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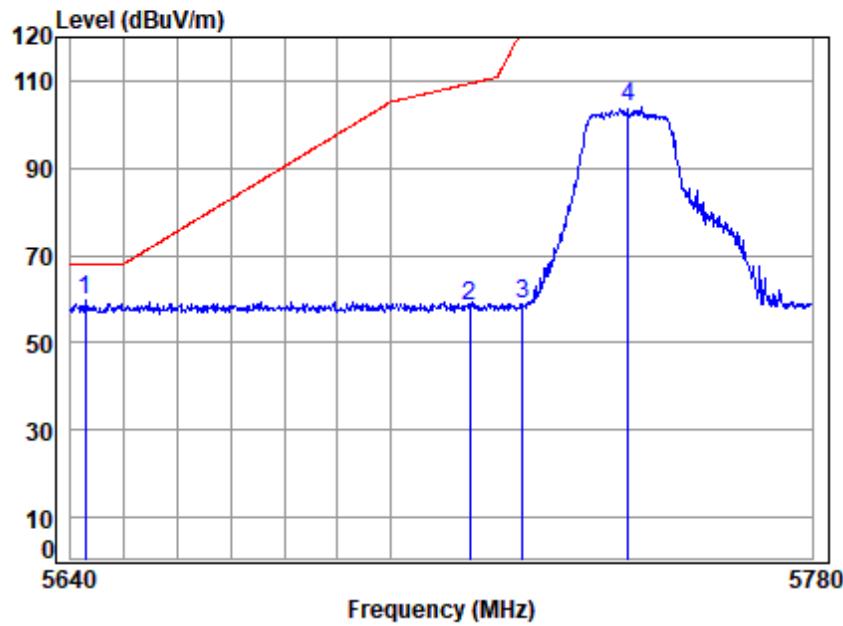
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Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5745 Band edge  
: 5.8G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1 pp	5642.767	10.47	33.09	30.64	46.89	59.81	68.20 -8.39 peak
2	5715.000	10.63	33.23	30.61	45.36	58.61	109.40 -50.79 peak
3	5725.000	10.68	33.25	30.61	45.45	58.77	122.20 -63.43 peak
4	5745.000	10.77	33.29	30.60	90.47	103.93	----- ----- peak

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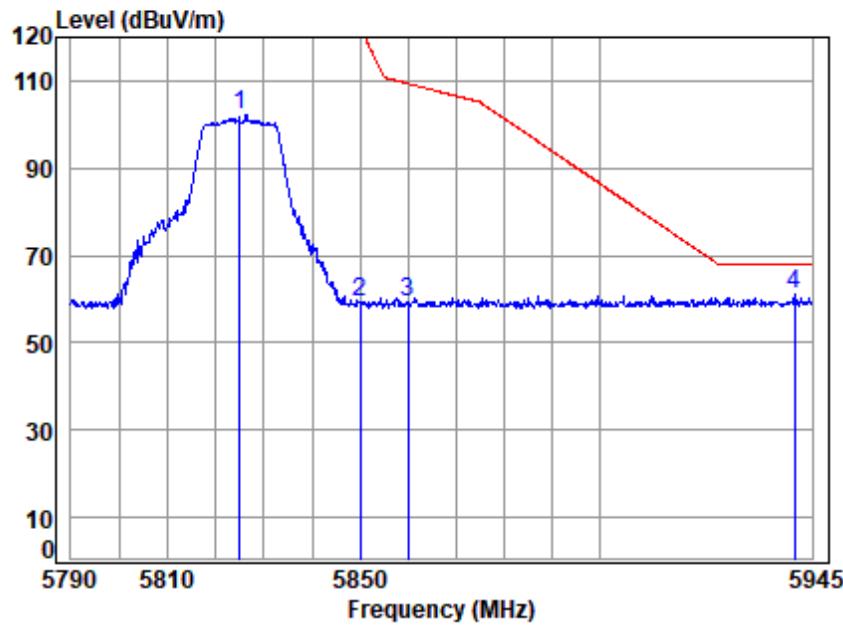
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5825 Band edge  
: 5.8G Wi-Fi 11a

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		MHz	Loss	Factor	Level	Level	Line	
1	5825.000	10.99	33.50	30.57	88.24	102.16	-----	peak
2	5850.000	10.95	33.60	30.56	45.53	59.52	122.20	-62.68 peak
3	5860.000	10.94	33.58	30.56	45.20	59.16	109.40	-50.24 peak
4 pp	5941.232	10.86	33.58	30.52	47.01	60.93	68.20	-7.27 peak

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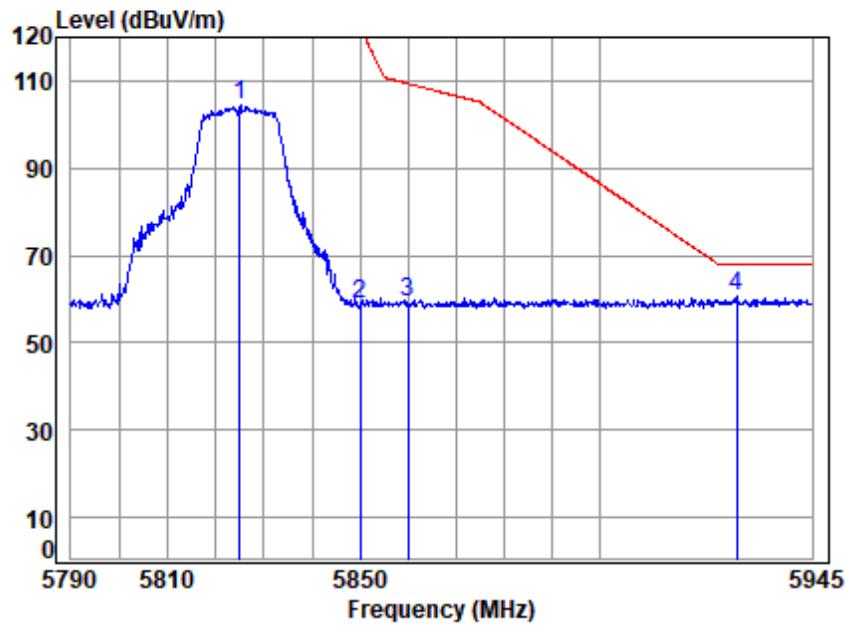
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Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5825 Band edge  
: 5.8G Wi-Fi 11a

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level	Level	Line	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5825.000	10.99	33.50	30.57	90.78	104.70	-----	peak
2	5850.000	10.95	33.60	30.56	44.92	58.91	122.20	-63.29 peak
3	5860.000	10.94	33.58	30.56	45.23	59.19	109.40	-50.21 peak
4 pp	5929.002	10.87	33.56	30.53	46.77	60.67	68.20	-7.53 peak

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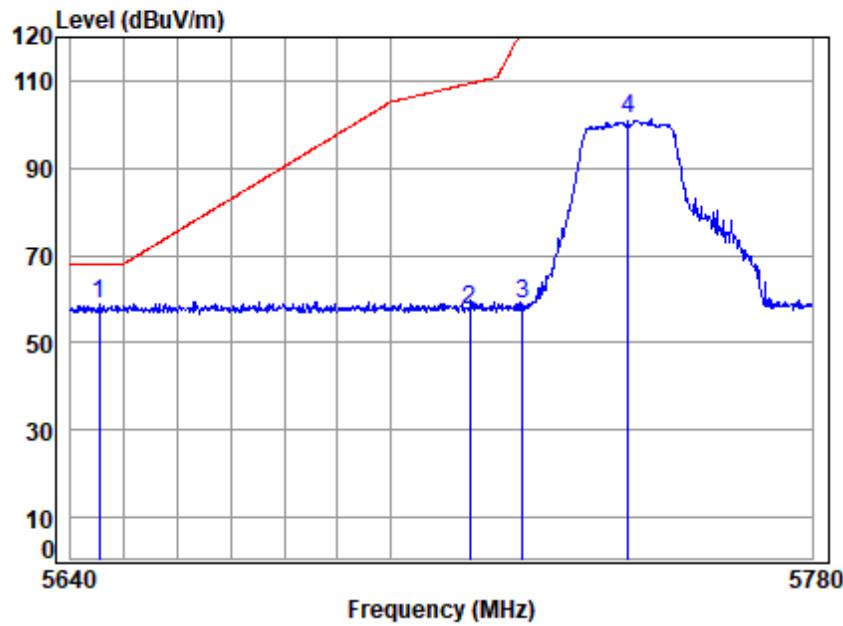
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5745 Band edge  
: 5.8G Wi-Fi 11n20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
1 pp	5645.257	10.48	33.09	30.64	45.82	58.75	68.20	-9.45 peak
2	5715.000	10.63	33.23	30.61	44.46	57.71	109.40	-51.69 peak
3	5725.000	10.68	33.25	30.61	45.39	58.71	122.20	-63.49 peak
4	5745.000	10.77	33.29	30.60	87.94	101.40	-----	----- peak

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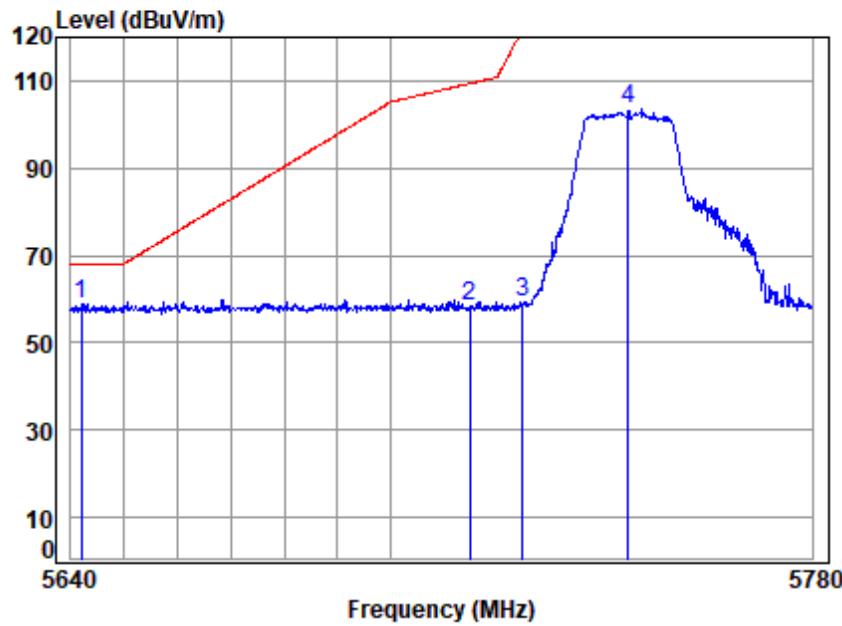
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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5745 Band edge

: 5.8G Wi-Fi 11n20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
1 pp	5641.937	10.47	33.08	30.64	46.16	59.07	68.20	-9.13 peak
2	5715.000	10.63	33.23	30.61	45.10	58.35	109.40	-51.05 peak
3	5725.000	10.68	33.25	30.61	45.91	59.23	122.20	-62.97 peak
4	5745.000	10.77	33.29	30.60	89.93	103.39	-----	----- peak

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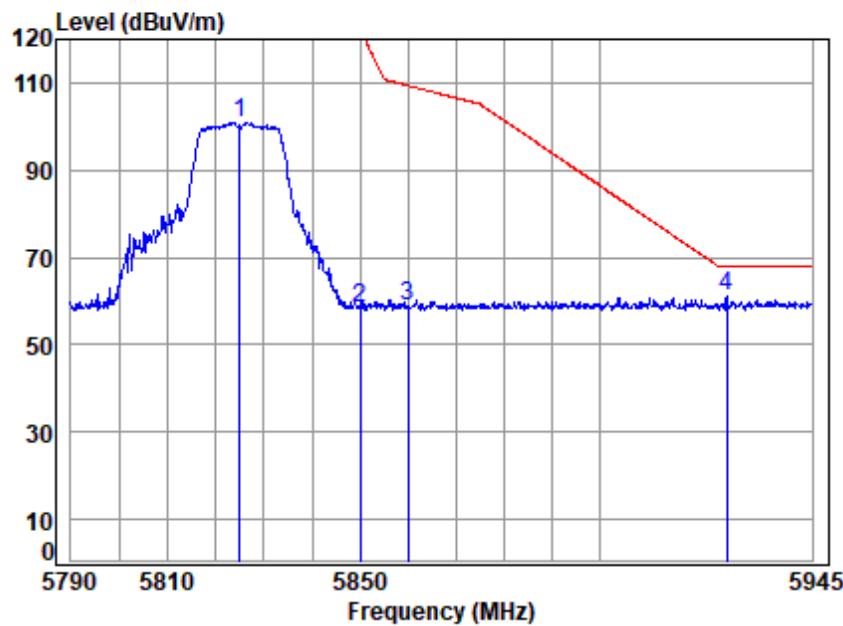
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5825 Band edge  
: 5.8G Wi-Fi 11n20

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level	Level	Line	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5825.000	10.99	33.50	30.57	87.10	101.02	-----	----- peak
2	5850.000	10.95	33.60	30.56	44.38	58.37	122.20	-63.83 peak
3	5860.000	10.94	33.58	30.56	44.86	58.82	109.40	-50.58 peak
4 pp	5926.966	10.87	33.55	30.53	47.30	61.19	68.20	-7.01 peak

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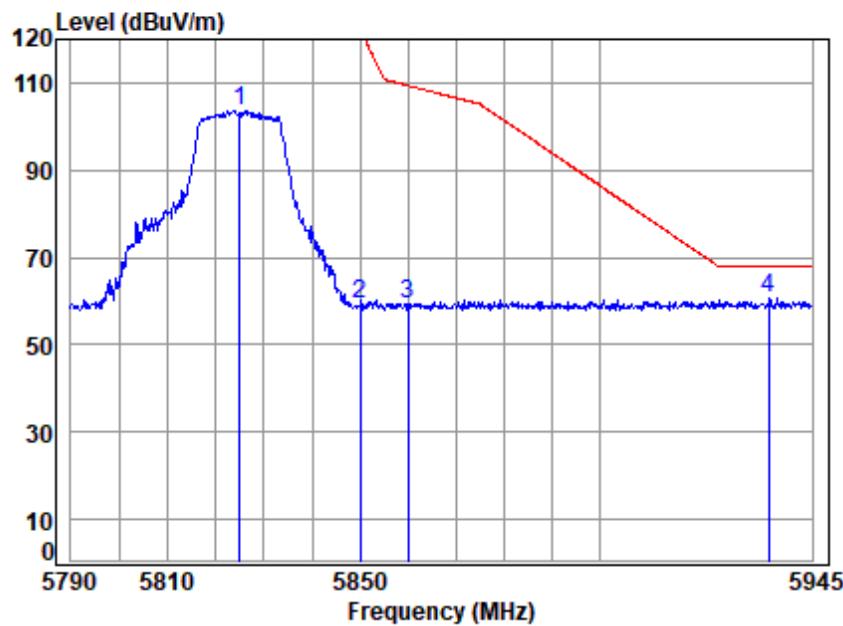
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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5825 Band edge

: 5.8G Wi-Fi 11n20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5825.000	10.99	33.50	30.57	89.80	103.72	----- peak
2	5850.000	10.95	33.60	30.56	45.47	59.46	122.20 -62.74 peak
3	5860.000	10.94	33.58	30.56	45.56	59.52	109.40 -49.88 peak
4 pp	5935.897	10.86	33.57	30.53	46.98	60.88	68.20 -7.32 peak

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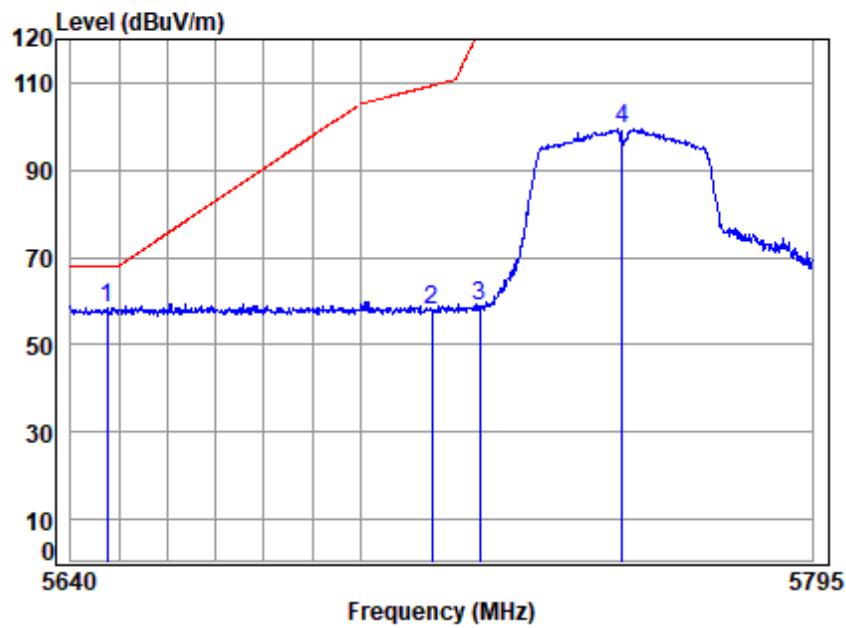
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01296AT/01297AT

Mode : 5755 Band edge

: 5.8G Wi-Fi 11n40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
1 pp	5647.498	10.48	33.09	30.64	45.58	58.51	68.20	-9.69 peak
2	5715.000	10.63	33.23	30.61	44.86	58.11	109.40	-51.29 peak
3	5725.000	10.68	33.25	30.61	45.42	58.74	122.20	-63.46 peak
4	5755.000	10.81	33.31	30.60	86.14	99.66	-----	----- peak

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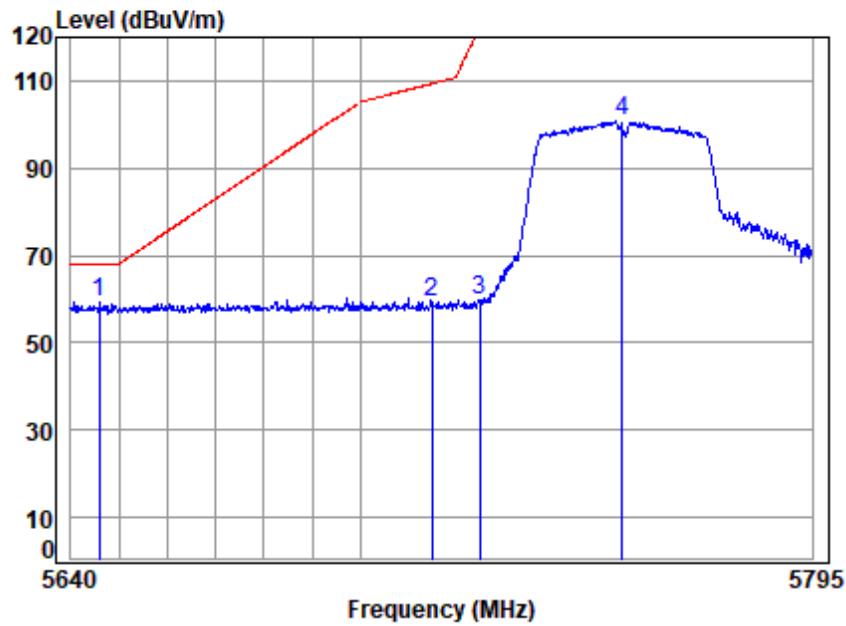
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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5755 Band edge

: 5.8G Wi-Fi 11n40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1 pp	5645.813	10.48	33.09	30.64	46.47	59.40	68.20 -8.80 peak
2	5715.000	10.63	33.23	30.61	46.13	59.38	109.40 -50.02 peak
3	5725.000	10.68	33.25	30.61	46.46	59.78	122.20 -62.42 peak
4	5755.000	10.81	33.31	30.60	87.11	100.63	----- peak

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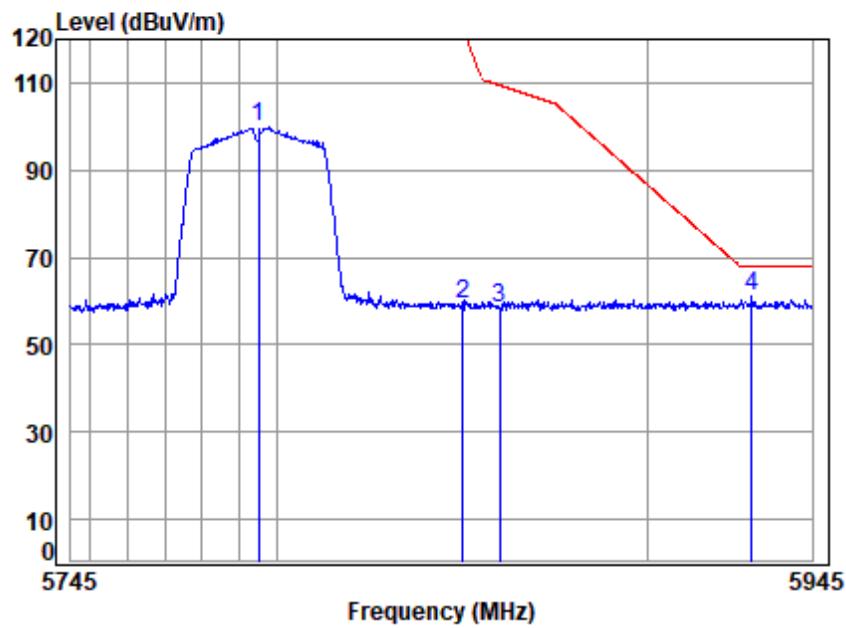
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5795 Band edge  
: 5.8G Wi-Fi 11n40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5795.000	11.00	33.39	30.58	86.09	99.90	----- peak
2	5850.000	10.95	33.60	30.56	45.48	59.47	122.20 -62.73 peak
3	5860.000	10.94	33.58	30.56	44.57	58.53	109.40 -50.87 peak
4 pp	5928.341	10.87	33.56	30.53	47.01	60.91	68.20 -7.29 peak

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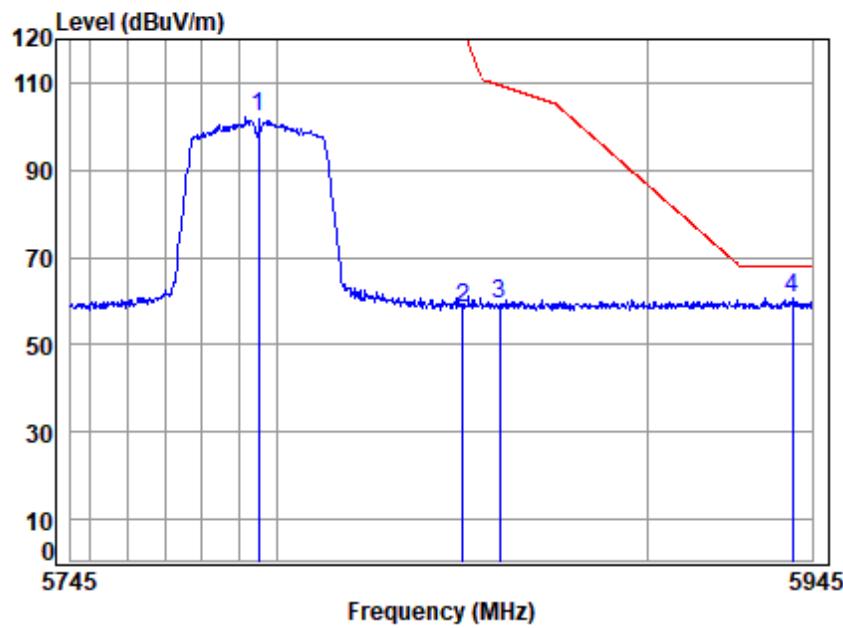
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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5795 Band edge

: 5.8G Wi-Fi 11n40

	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit dB	Over Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dB	
1	5795.000	11.00	33.39	30.58	88.38	102.19	-----	peak
2	5850.000	10.95	33.60	30.56	44.20	58.19	122.20	-64.01 peak
3	5860.000	10.94	33.58	30.56	45.23	59.19	109.40	-50.21 peak
4 pp	5939.713	10.86	33.58	30.52	46.66	60.58	68.20	-7.62 peak

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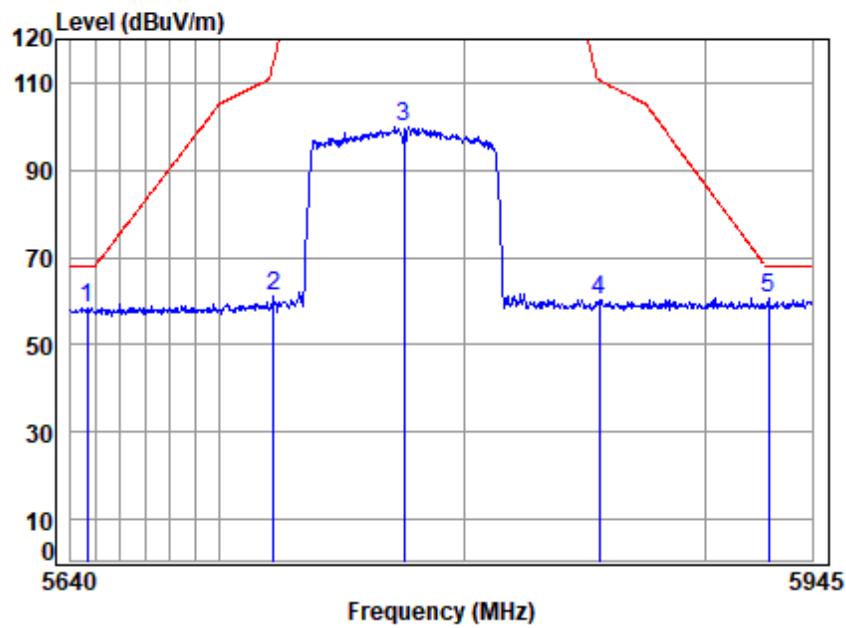
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5775 Band edge  
: 5.8G Wi-Fi 11ac80

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5646.539	10.48	33.09	30.64	45.45	58.38	68.20 -9.82 Peak
2	5721.979	10.66	33.24	30.61	47.69	60.98	115.31 -54.33 peak
3	5775.000	10.91	33.35	30.59	86.47	100.14	----- peak
4	5855.815	10.95	33.59	30.56	46.20	60.18	110.57 -50.39 peak
5 pp	5926.556	10.87	33.55	30.53	46.63	60.52	68.20 -7.68 peak

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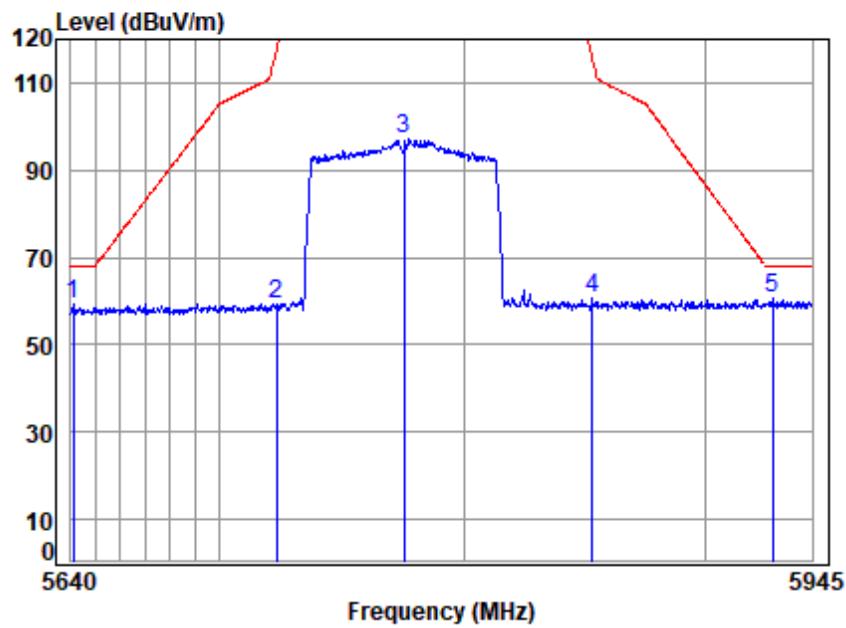
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5775 Band edge

: 5.8G Wi-Fi 11ac80

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5640.891	10.47	33.08	30.64	46.25	59.16	68.20 -9.04 Peak
2	5722.883	10.67	33.25	30.61	46.11	59.42	117.37 -57.95 peak
3	5775.000	10.91	33.35	30.59	83.33	97.00	----- peak
4	5853.041	10.95	33.59	30.56	46.77	60.75	115.27 -54.52 peak
5 pp	5928.429	10.87	33.56	30.53	46.59	60.49	68.20 -7.71 peak

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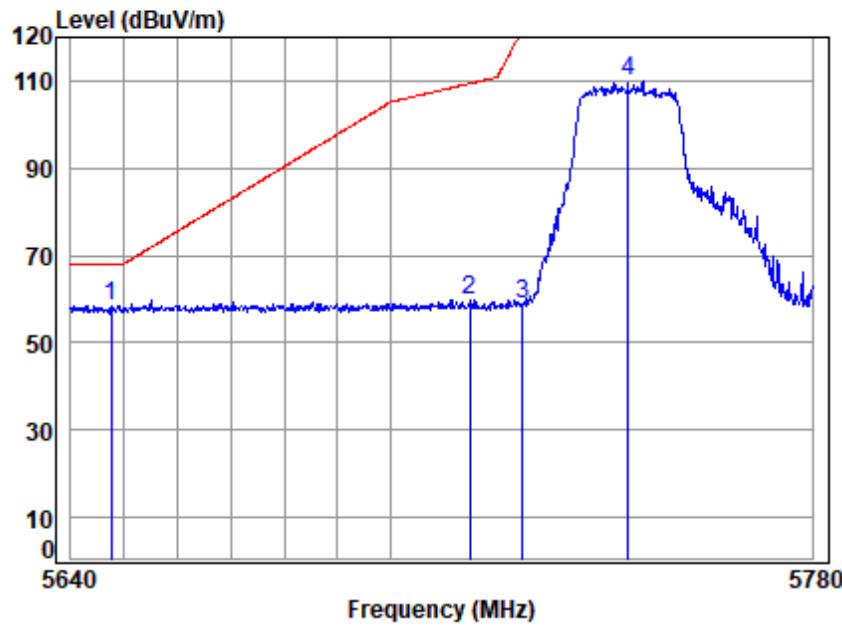
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5745 Band edge  
: 5.8G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	Line	
1 pp	5647.611	10.48	33.10	30.64	45.68	58.62	68.20	-9.58 peak
2	5715.000	10.63	33.23	30.61	46.44	59.69	109.40	-49.71 peak
3	5725.000	10.68	33.25	30.61	45.61	58.93	122.20	-63.27 peak
4	5745.000	10.77	33.29	30.60	96.39	109.85	-----	----- peak

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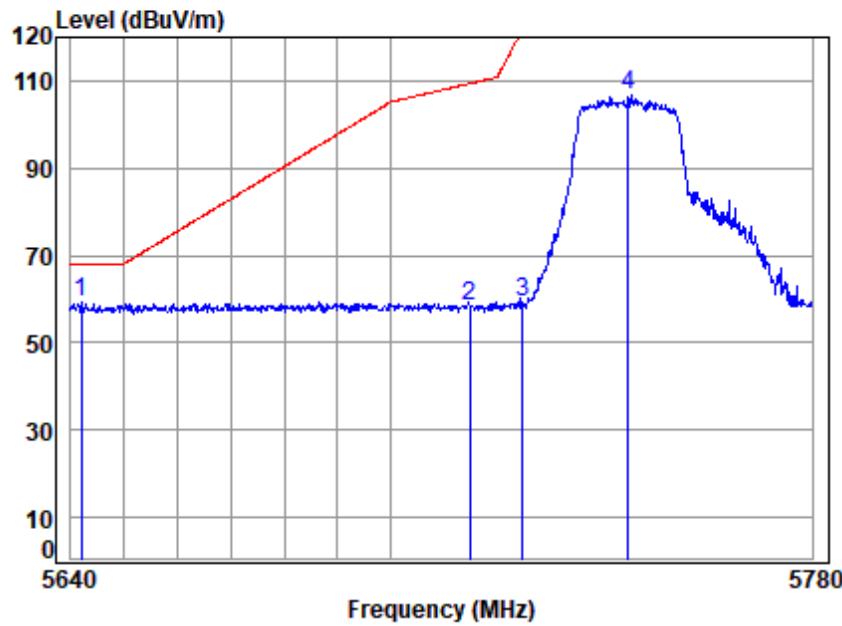
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5745 Band edge

: 5.8G Wi-Fi 11ax20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dBuV	dBuV/m	dB	
1 pp	5641.937	10.47	33.08	30.64	46.32	59.23	68.20	-8.97 peak
2	5715.000	10.63	33.23	30.61	45.07	58.32	109.40	-51.08 peak
3	5725.000	10.68	33.25	30.61	46.19	59.51	122.20	-62.69 peak
4	5745.000	10.77	33.29	30.60	93.40	106.86	-----	----- peak

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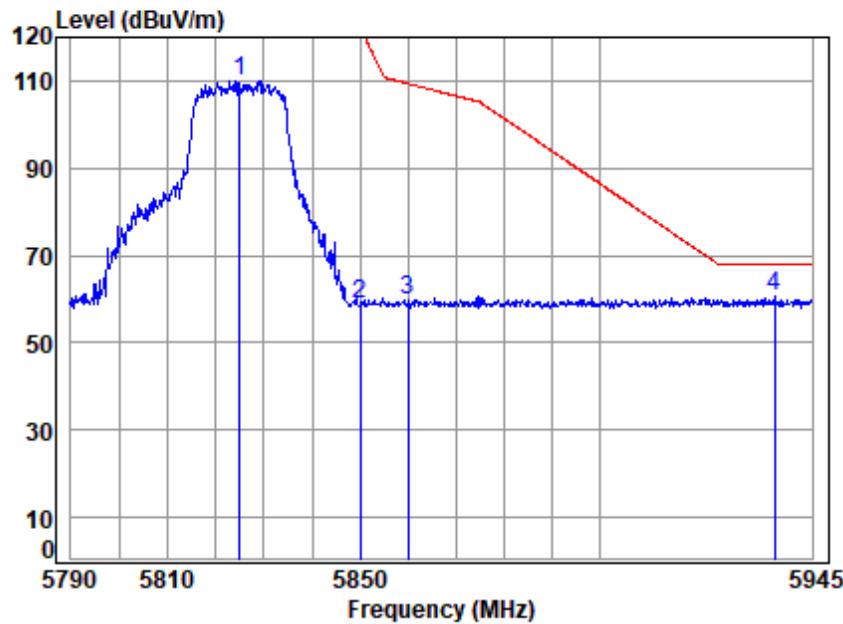
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5825 Band edge  
: 5.8G Wi-Fi 11ax20

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level	Level	Line	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5825.000	10.99	33.50	30.57	96.21	110.13	-----	peak
2	5850.000	10.95	33.60	30.56	44.74	58.73	122.20	-63.47 peak
3	5860.000	10.94	33.58	30.56	45.96	59.92	109.40	-49.48 peak
4 pp	5936.996	10.86	33.57	30.53	46.71	60.61	68.20	-7.59 peak

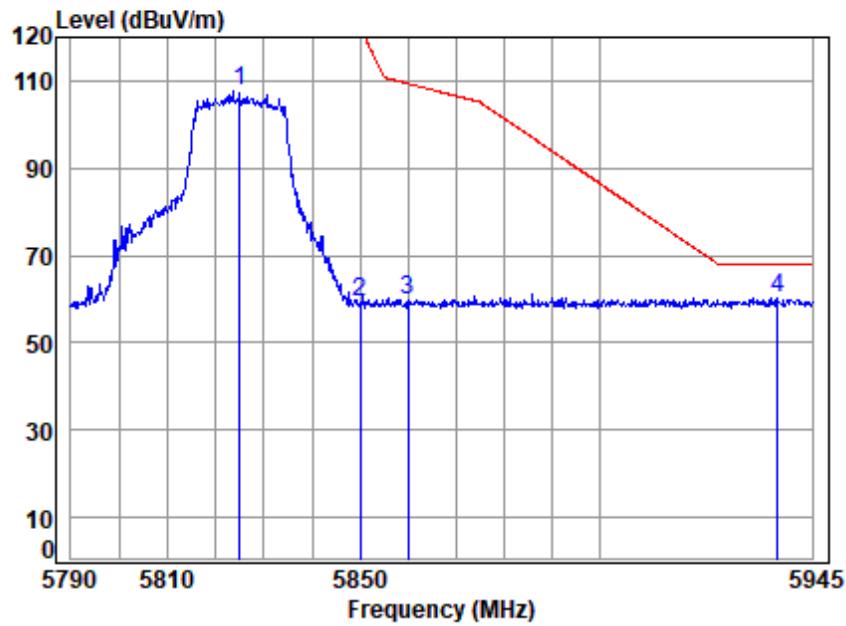
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5825 Band edge  
: 5.8G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5825.000	10.99	33.50	30.57	93.97	107.89	----- peak
2	5850.000	10.95	33.60	30.56	45.41	59.40	122.20 -62.80 peak
3	5860.000	10.94	33.58	30.56	45.75	59.71	109.40 -49.69 peak
4 pp	5937.780	10.86	33.58	30.52	46.45	60.37	68.20 -7.83 peak

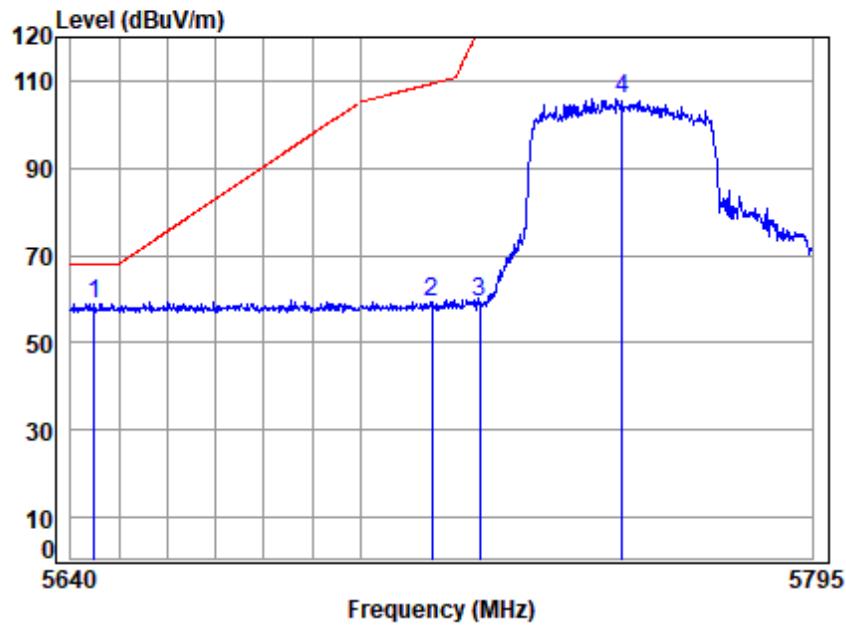
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5755 Band edge  
: 5.8G Wi-Fi 11ax40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1 pp	5644.895	10.48	33.09	30.64	45.88	58.81	68.20 -9.39 peak
2	5715.000	10.63	33.23	30.61	45.85	59.10	109.40 -50.30 peak
3	5725.000	10.68	33.25	30.61	46.16	59.48	122.20 -62.72 peak
4	5755.000	10.81	33.31	30.60	92.44	105.96	----- ----- peak

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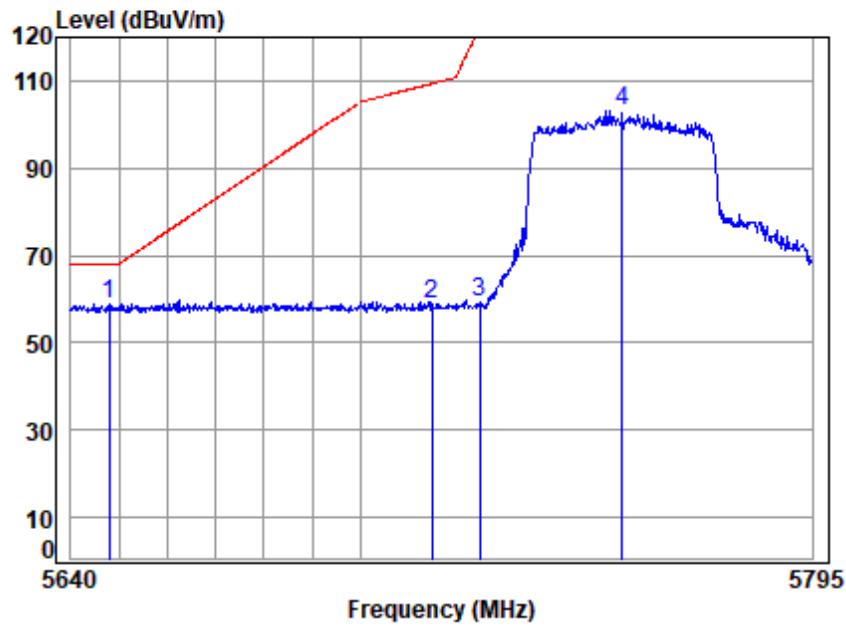
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5755 Band edge

: 5.8G Wi-Fi 11ax40

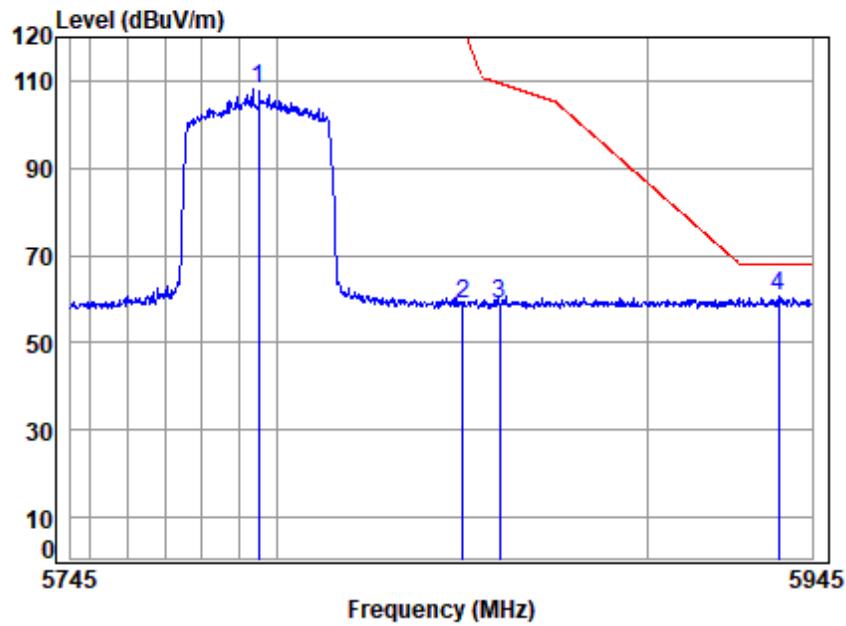
Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark	
	Loss	Factor	Factor	Level	Level	Line	Limit		
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	5647.957	10.48	33.10	30.64	45.80	58.74	68.20	-9.46 peak
2		5715.000	10.63	33.23	30.61	45.41	58.66	109.40	-50.74 peak
3		5725.000	10.68	33.25	30.61	45.89	59.21	122.20	-62.99 peak
4		5755.000	10.81	33.31	30.60	89.51	103.03	-----	----- peak

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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5795 Band edge  
: 5.8G Wi-Fi 11ax40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Freq	Loss	Factor	Level	Level	Line		
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5795.000	11.00	33.39	30.58	94.25	108.06	-----	peak
2	5850.000	10.95	33.60	30.56	44.75	58.74	122.20	-63.46 peak
3	5860.000	10.94	33.58	30.56	44.88	58.84	109.40	-50.56 peak
4 pp	5935.852	10.86	33.57	30.53	46.71	60.61	68.20	-7.59 peak

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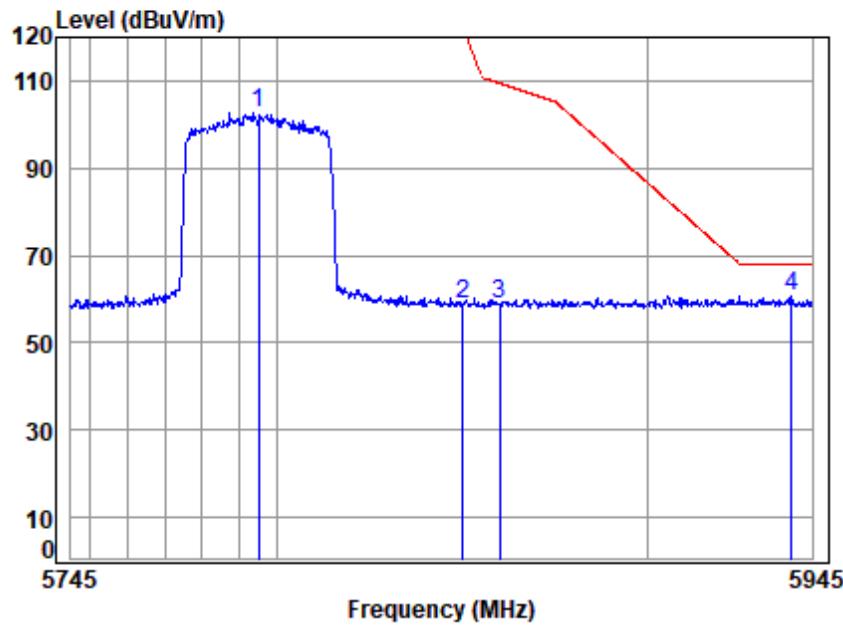
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5795 Band edge

: 5.8G Wi-Fi 11ax40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5795.000	11.00	33.39	30.58	88.71	102.52	----- peak
2	5850.000	10.95	33.60	30.56	44.76	58.75	122.20 -63.45 peak
3	5860.000	10.94	33.58	30.56	44.69	58.65	109.40 -50.75 peak
4 pp	5939.306	10.86	33.58	30.52	46.89	60.81	68.20 -7.39 peak

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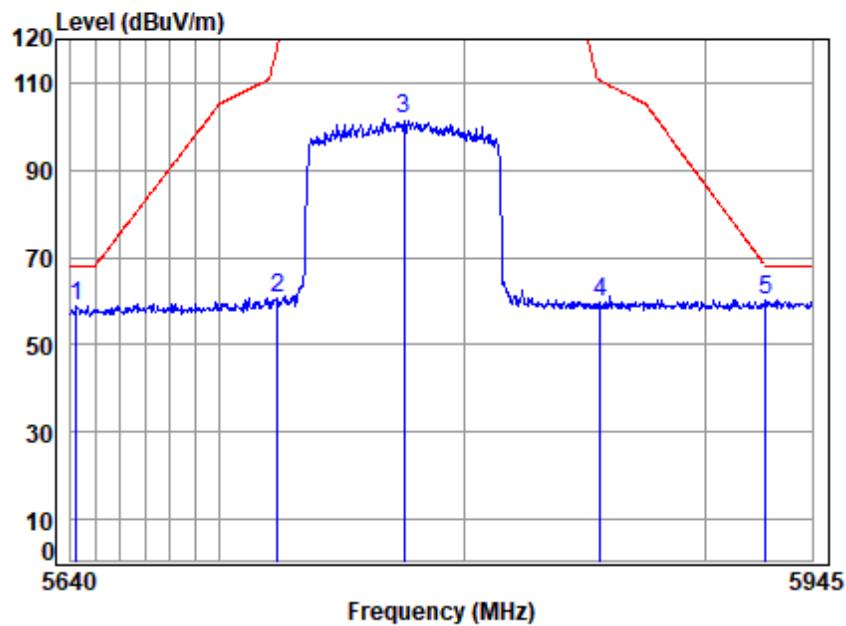
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL  
Job No : 01296AT/01297AT  
Mode : 5775 Band edge  
: 5.8G Wi-Fi 11ax80

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5642.377	10.47	33.08	30.64	45.90	58.81	68.20 -9.39 Peak
2	5723.486	10.67	33.25	30.61	47.39	60.70	118.75 -58.05 peak
3	5775.000	10.91	33.35	30.59	88.20	101.87	----- peak
4	5856.124	10.95	33.59	30.56	45.97	59.95	110.48 -50.53 peak
5 pp	5925.619	10.87	33.55	30.53	46.46	60.35	68.20 -7.85 peak

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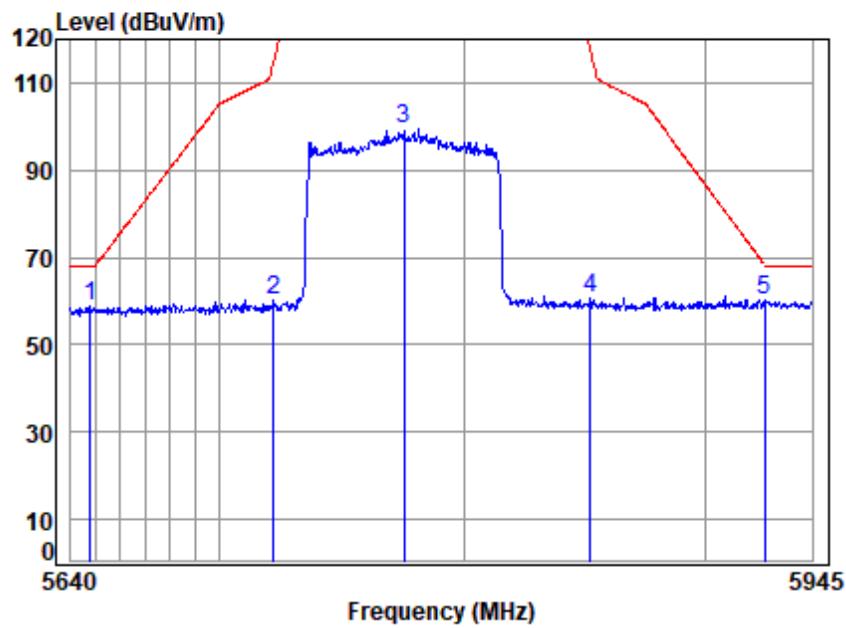
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01296AT/01297AT

Mode : 5775 Band edge

: 5.8G Wi-Fi 11ax80

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5648.026	10.48	33.10	30.64	45.89	58.83	68.20 -9.37 Peak
2	5721.979	10.66	33.24	30.61	46.78	60.07	115.31 -55.24 peak
3	5775.000	10.91	33.35	30.59	85.80	99.47	----- peak
4	5852.116	10.95	33.60	30.56	46.91	60.90	117.37 -56.47 peak
5 pp	5924.995	10.87	33.55	30.53	46.32	60.21	68.20 -7.99 peak

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## 7.5 Duty Cycle

Test Requirement      ANSI C63.10 (2013) Section 12.2  
Test Method:            ANSI C63.10 (2013) Section 12.2

### 7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 23.4 °C      Humidity: 40.3 % RH      Atmospheric Pressure: 1020 mbar

### 7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	01	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.



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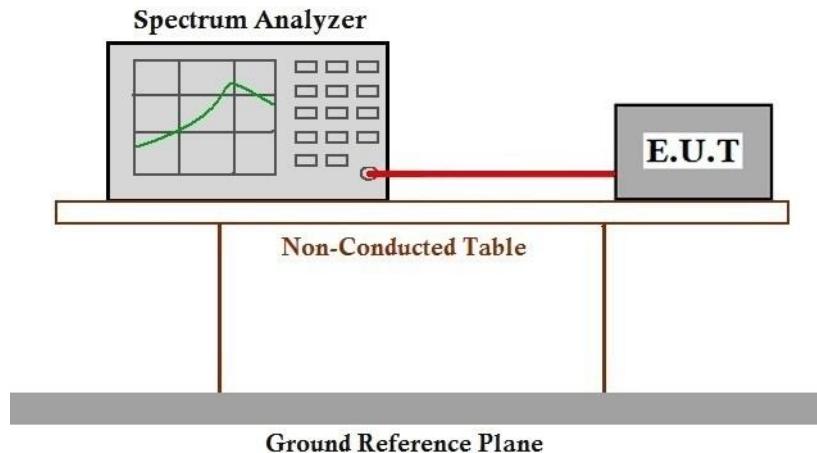
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### 7.5.3 Test Setup Diagram



### 7.5.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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**7.6 99% Bandwidth**

Test Requirement ANSI C63.10 (2013) Section 12.4.2

Test Method: ANSI C63.10 (2013) Section 12.4.2

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

Operating Environment:

Temperature: 23.4 °C      Humidity: 40.3 % RH      Atmospheric Pressure: 1020 mbar

**7.6.2 Test Mode Description**

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	01	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.

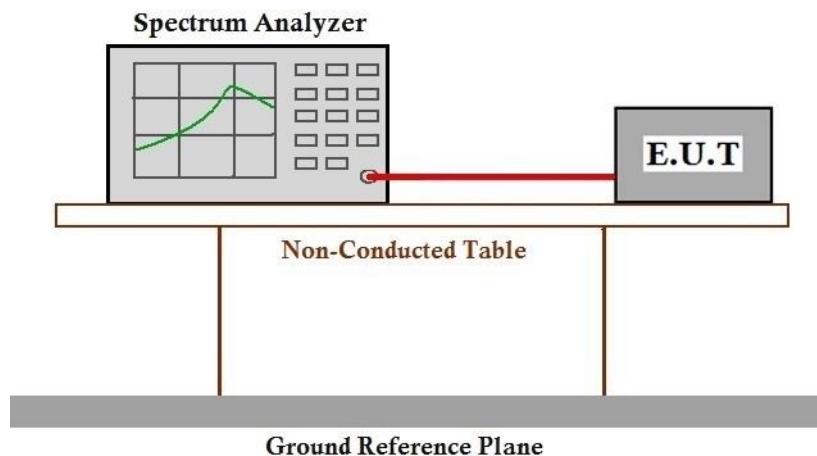
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**7.6.3 Test Setup Diagram****7.6.4 Measurement Procedure and Data**

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**7.7 26dB Emission bandwidth**

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

Test Method: ANSI C63.10 (2013) Section 12.4.1

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

Operating Environment:

Temperature: 23.4 °C      Humidity: 40.3 % RH      Atmospheric Pressure: 1020 mbar

**7.7.2 Test Mode Description**

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	01	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.

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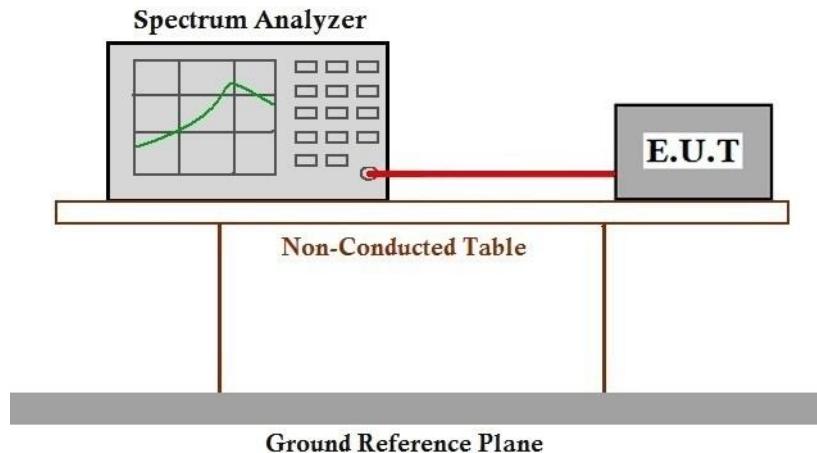
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### 7.7.3 Test Setup Diagram



### 7.7.4 Measurement Procedure and Data

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

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

Test Method: ANSI C63.10 (2013) Section 6.9.2

Limit:

Frequency band(MHz)	Limit
5725-5850	≥500 kHz

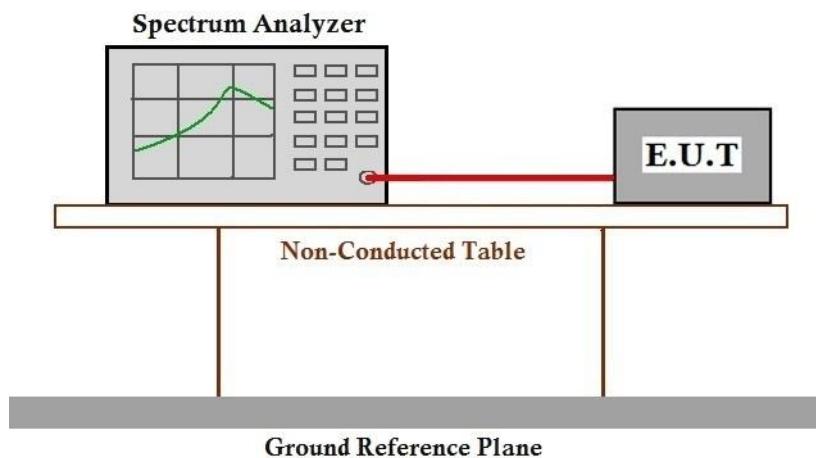
**7.8.1 E.U.T. Operation**

Operating Environment:

Temperature: 23.4 °C      Humidity: 40.3 % RH      Atmospheric Pressure: 1020 mbar

**7.8.2 Test Mode Description**

Pre-scan / Final test	Mode Code	Description
Final test	03	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.

**7.8.3 Test Setup Diagram****7.8.4 Measurement Procedure and Data**

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**7.9 Peak Power spectrum density**

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

Test Method: ANSI C63.10 (2013) Section 12.5

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.

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

Operating Environment:

Temperature: 23.4 °C      Humidity: 40.3 % RH      Atmospheric Pressure: 1020 mbar

**7.9.2 Test Mode Description**

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	01	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.

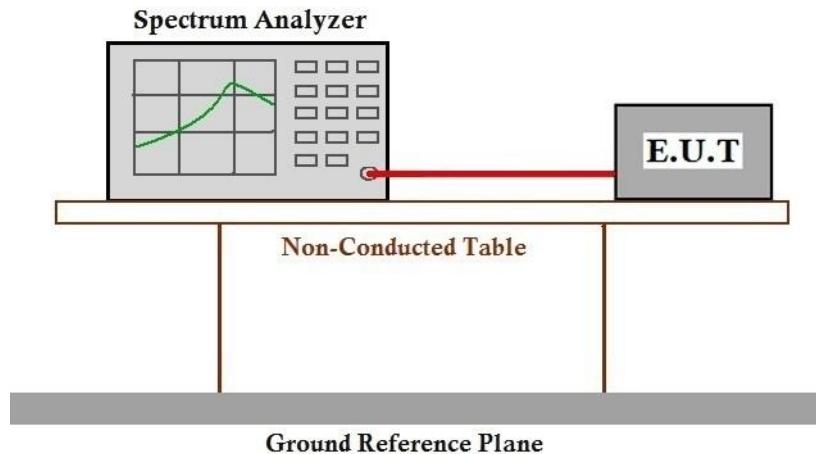
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**7.9.3 Test Setup Diagram****7.9.4 Measurement Procedure and Data**

Please Refer to Appendix for Details

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## 7.10 Frequency Stability

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

Test Method: ANSI C63.10 (2013) Section 6.8

### 7.10.1 E.U.T. Operation

Operating Environment:

Temperature: 23.4 °C      Humidity: 40.3 % RH      Atmospheric Pressure: 1020 mbar

### 7.10.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	01	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	02	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80/160, Only the data of worst case is recorded in the report.
Final test	03	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n/ac/ax 20/40/80, Only the data of worst case is recorded in the report.

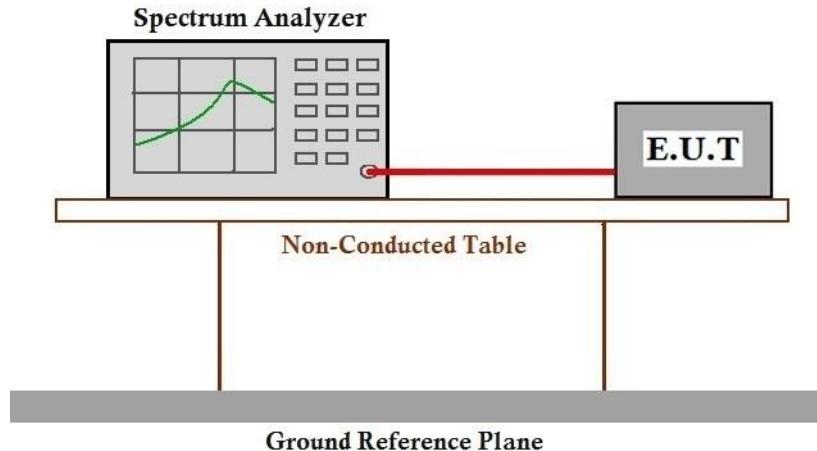
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**7.10.3 Test Setup Diagram****7.10.4 Measurement Procedure and Data**

Please Refer to Appendix for Details

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## 8 Test Setup Photo

Refer to Setup Photo for SZCR2504001296AT

## 9 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for SZCR2504001296AT



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## 10 Appendix

### 1. Duty Cycle

#### 1.1 Test Result

##### 1.1.1 Ant1

Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	SISO	5180	/	/	1.397	1.453	96.15	0.17	0.03
		5200	/	/	1.396	1.453	96.08	0.17	0.03
		5240	/	/	1.396	1.453	96.08	0.17	0.04
		5260	/	/	1.396	1.453	96.08	0.17	0.03
		5300	/	/	1.396	1.452	96.14	0.17	0.03
		5320	/	/	1.396	1.453	96.08	0.17	0.03
		5500	/	/	1.396	1.453	96.08	0.17	0.03
		5580	/	/	1.396	1.453	96.08	0.17	0.00
		5700	/	/	1.397	1.454	96.08	0.17	0.03
		5745	/	/	1.396	1.452	96.14	0.17	0.03
		5785	/	/	1.397	1.453	96.15	0.17	0.03
		5825	/	/	1.396	1.452	96.14	0.17	0.03
802.11n (HT20)	MIMO	5180	/	/	1.308	1.365	95.82	0.19	0.04
		5200	/	/	1.308	1.365	95.82	0.19	0.03
		5240	/	/	1.308	1.365	95.82	0.19	0.04
		5260	/	/	1.308	1.365	95.82	0.19	0.03
		5300	/	/	1.308	1.365	95.82	0.19	0.03
		5320	/	/	1.308	1.364	95.89	0.18	0.03
		5500	/	/	1.308	1.364	95.89	0.18	0.00
		5580	/	/	1.308	1.365	95.82	0.19	0.03
		5700	/	/	1.309	1.365	95.90	0.18	0.03
		5745	/	/	1.309	1.365	95.90	0.18	0.03
		5785	/	/	1.308	1.365	95.82	0.19	0.03
		5825	/	/	1.308	1.364	95.89	0.18	0.03
802.11n (HT40)	MIMO	5190	/	/	0.353	0.409	86.31	0.64	0.08
		5230	/	/	0.352	0.409	86.06	0.65	0.07
		5270	/	/	0.353	0.409	86.31	0.64	0.06

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		5310	/	/	0.353	0.409	86.31	0.64	0.03
		5510	/	/	0.352	0.409	86.06	0.65	0.03
		5550	/	/	0.353	0.409	86.31	0.64	0.03
		5670	/	/	0.352	0.409	86.06	0.65	0.15
		5755	/	/	0.352	0.409	86.06	0.65	0.07
		5795	/	/	0.353	0.409	86.31	0.64	0.07
802.11ac (VHT20)	MIMO	5180	/	/	0.684	0.741	92.31	0.35	0.03
		5200	/	/	0.684	0.741	92.31	0.35	0.03
		5240	/	/	0.685	0.742	92.32	0.35	0.03
		5260	/	/	0.684	0.740	92.43	0.34	0.06
		5300	/	/	0.684	0.741	92.31	0.35	0.09
		5320	/	/	0.685	0.741	92.44	0.34	0.06
		5500	/	/	0.685	0.741	92.44	0.34	0.03
		5580	/	/	0.684	0.740	92.43	0.34	0.03
		5700	/	/	0.685	0.741	92.44	0.34	0.04
		5745	/	/	0.685	0.741	92.44	0.34	0.00
		5785	/	/	0.685	0.741	92.44	0.34	0.03
		5825	/	/	0.685	0.741	92.44	0.34	0.06
802.11ac (VHT40)	MIMO	5190	/	/	0.352	0.408	86.27	0.64	0.04
		5230	/	/	0.353	0.409	86.31	0.64	0.03
		5270	/	/	0.352	0.409	86.06	0.65	0.07
		5310	/	/	0.352	0.409	86.06	0.65	0.07
		5510	/	/	0.353	0.409	86.31	0.64	0.06
		5550	/	/	0.353	0.409	86.31	0.64	0.03
		5670	/	/	0.352	0.409	86.06	0.65	0.07
		5755	/	/	0.353	0.409	86.31	0.64	0.04
		5795	/	/	0.352	0.409	86.06	0.65	0.03
		5210	/	/	0.191	0.245	77.96	1.08	0.07
802.11ac (VHT80)	MIMO	5290	/	/	0.191	0.245	77.96	1.08	0.12
		5530	/	/	0.189	0.245	77.14	1.13	0.10
		5610	/	/	0.191	0.245	77.96	1.08	0.14
		5775	/	/	0.188	0.245	76.73	1.15	0.05
		5570	/	/	0.118	0.173	68.21	1.66	0.17
802.11ac (VHT160)	MIMO	5250	/	/	0.118	0.172	68.60	1.64	0.14
		5180	SU	/	0.204	0.260	78.46	1.05	0.05
802.11ax (HEW20)	MIMO	5200	SU	/	0.203	0.260	78.08	1.07	0.08
		5240	SU	/	0.204	0.260	78.46	1.05	0.15
		5260	SU	/	0.204	0.260	78.46	1.05	0.15
		5300	SU	/	0.204	0.261	78.16	1.07	0.08
		5320	SU	/	0.203	0.260	78.08	1.07	0.09

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		5500	SU	/	0.204	0.261	78.16	1.07	0.04
		5580	SU	/	0.206	0.260	79.23	1.01	0.11
		5700	SU	/	0.205	0.260	78.85	1.03	0.12
		5745	SU	/	0.206	0.260	79.23	1.01	0.07
		5785	SU	/	0.206	0.260	79.23	1.01	0.21
		5825	SU	/	0.204	0.261	78.16	1.07	0.04
802.11ax (HEW40)	MIMO	5190	SU	/	0.204	0.260	78.46	1.05	0.15
		5230	SU	/	0.203	0.261	77.78	1.09	0.15
		5270	SU	/	0.206	0.260	79.23	1.01	0.12
		5310	SU	/	0.203	0.261	77.78	1.09	0.16
		5510	SU	/	0.203	0.260	78.08	1.07	0.15
		5550	SU	/	0.206	0.260	79.23	1.01	0.12
		5670	SU	/	0.206	0.260	79.23	1.01	0.12
		5755	SU	/	0.205	0.260	78.85	1.03	0.09
		5795	SU	/	0.207	0.261	79.31	1.01	0.14
802.11ax (HEW80)	MIMO	5210	SU	/	0.193	0.250	77.20	1.12	0.11
		5290	SU	/	0.197	0.251	78.49	1.05	0.13
		5530	SU	/	0.197	0.251	78.49	1.05	0.11
		5610	SU	/	0.196	0.250	78.40	1.06	0.16
		5775	SU	/	0.194	0.251	77.29	1.12	0.08
802.11ax (HEW160)	MIMO	5570	SU	/	0.195	0.251	77.69	1.10	0.23
		5250	SU	/	0.109	0.165	66.06	1.80	0.15

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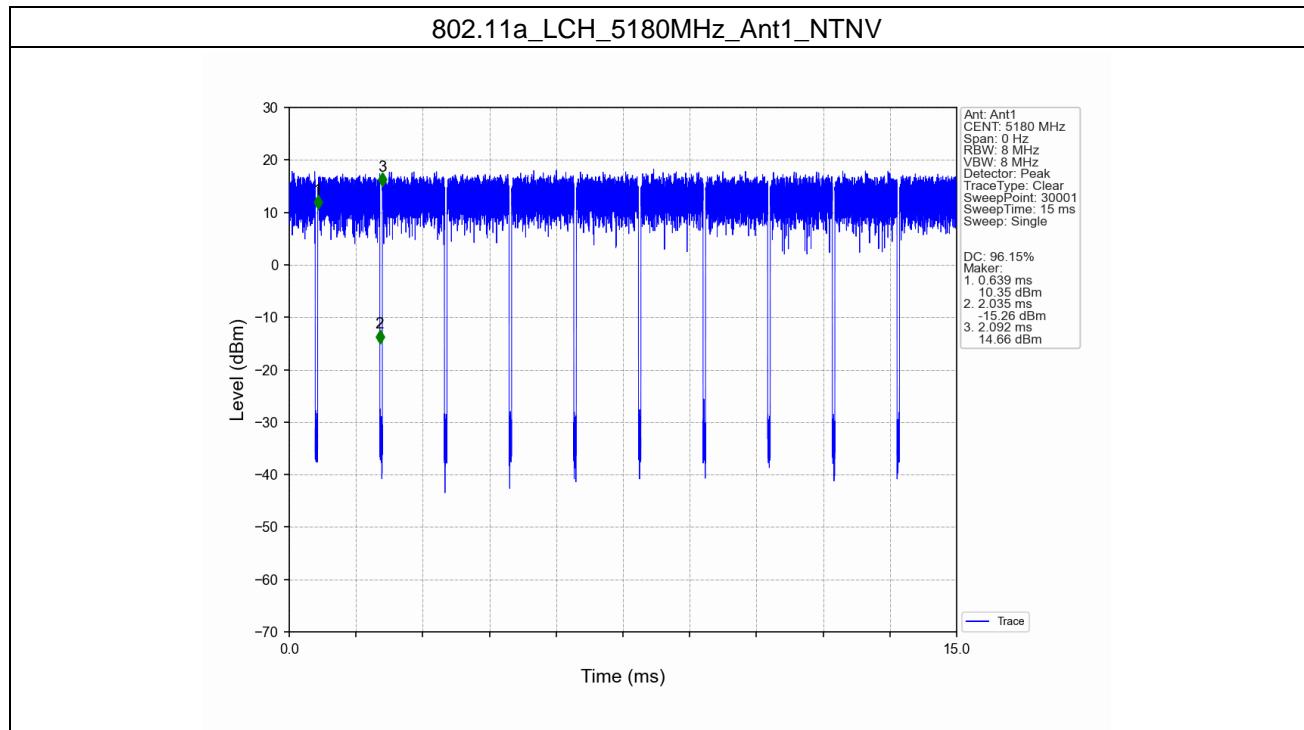
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## 1.2 Test Graph

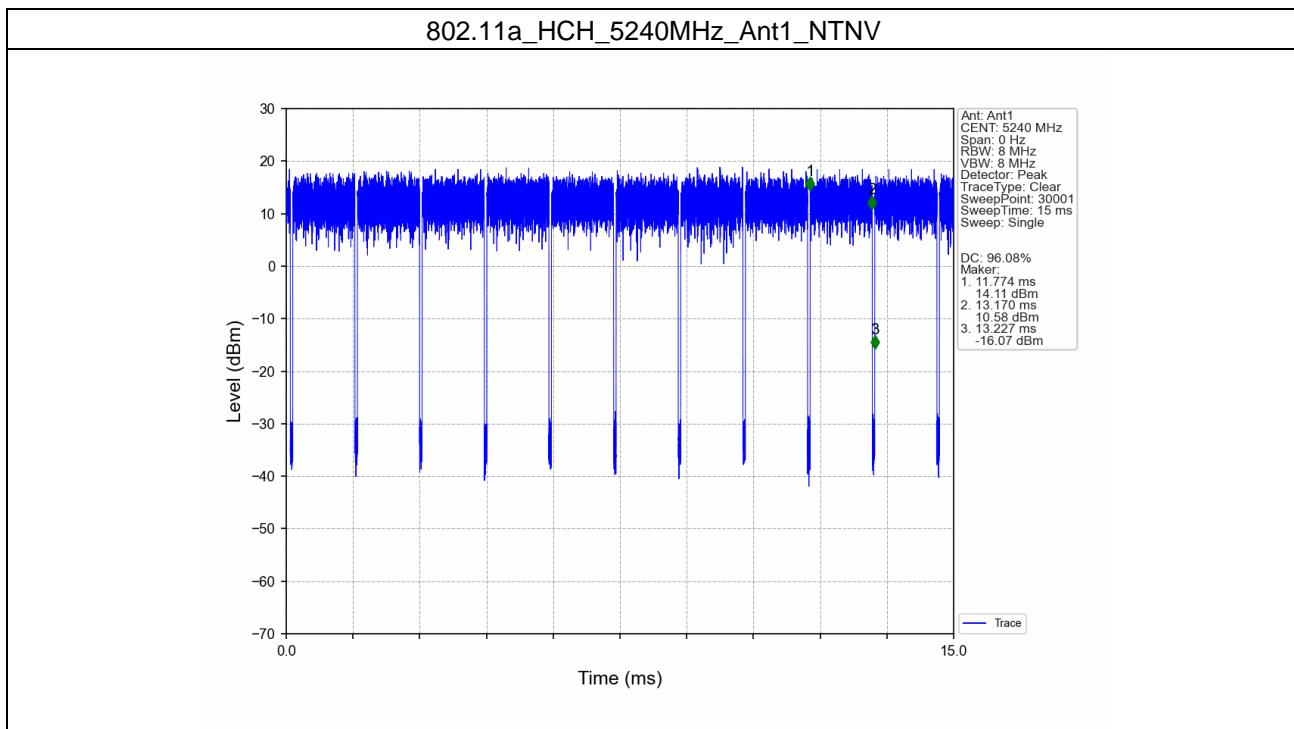
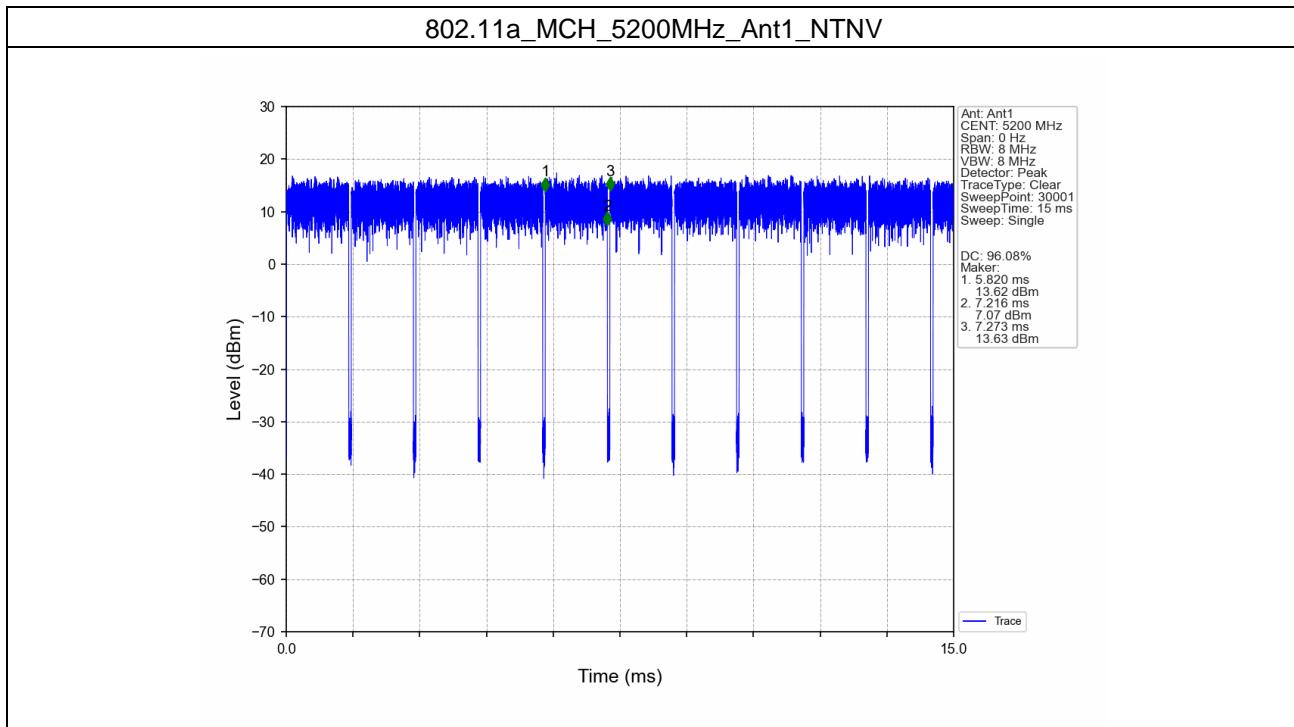
### 1.2.1 Ant1

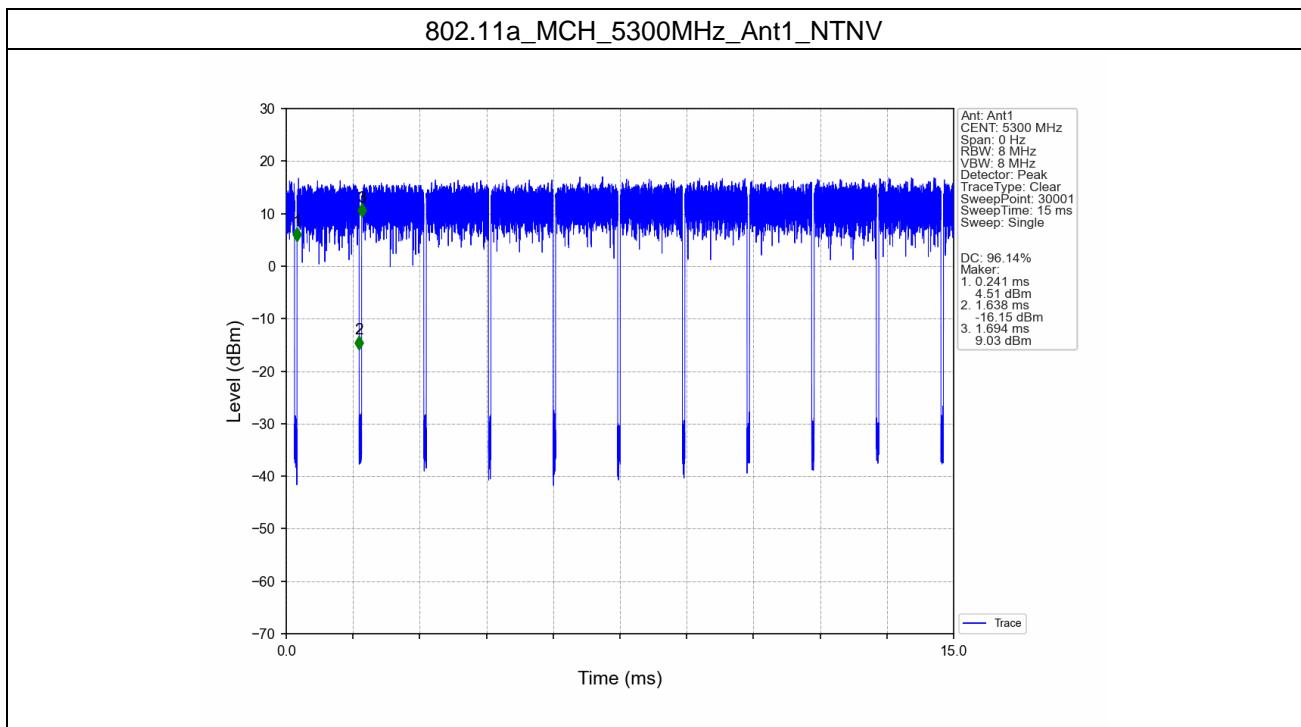
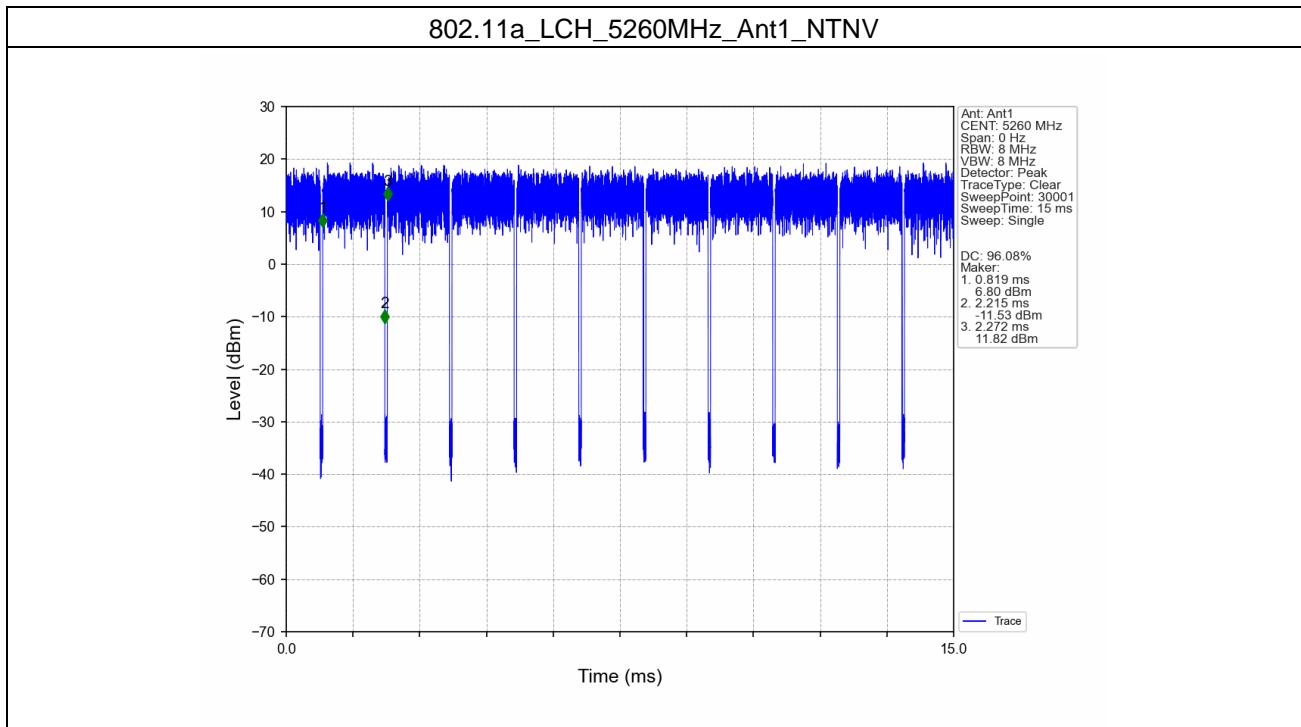


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