TEST REPORT

Application No.:	SZCR2410003810WM
Applicant:	Sonim Technologies, Inc.
Address of Applicant:	4445 Eastgate Mall, Suite 200, San Diego, CA 92121, USA
Manufacturer:	Sonim Technologies, Inc.
Address of Manufacturer:	4445 Eastgate Mall, Suite 200, San Diego, CA 92121, USA
Equipment Under Test (EUT):	
EUT Name:	smartphone
Model No.:	X800
Type No.:	S1003/S1001/S1004/S1005/S1006/S1010
Trade Mark:	Sonim
FCC ID:	WYPS1003
Standard(s) :	47 CFR Part 15, Subpart E 15.407
Date of Receipt:	2024-10-15
Date of Test:	2024-10-16 to 2024-12-06
Date of Issue:	2024-12-23
Test Result:	**Pass***

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

Keny Xu
EMC Laboratory Manager

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Revision Record				
Version	**Chapter**	**Date**	**Modifier**	**Remark**
01		2024-12-23		Original

Authorized for issue by:				
		Calvin Weng		
		Calvin Weng/Project Engineer		
		Eric Fu		
		Eric Fu/Reviewer		

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2 Test Summary

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

Radio Spectrum Matter Part				
Item	**Standard**	**Method**	**Requirement**	**Result**
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart E 15.407	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(9)	Pass
Maximum Conducted output power		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
Channel Move Time		KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	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
Channel Closing Transmission Time		KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass

3 Contents

4 General Information

4.1 Details of E.U.T.

Power supply:	DC3.87V by Li-ion battery(5000mAh) Recharged by AC/DC power adapter Adapter M/N:1-CHUSQ302-097 Adapter Manufacturer: HUIZHOU PUAN ELEOTRONICS CO.,LTD Adapter output: 5V/3A,9V/2A,12V/1.5A Battery M/N:BAT-05000-21S Battery Manufacturer: Shenzhen Aerospace Electronic Co.,Ltd.
Cable(s):	USB type C cable M/N: HX-YLMK-16 1.5m shieled cable without ferrite core USB type C cable manufacturer: HUIZHOU WASHIN ELECTRONICS CO.,LTD
Cable Loss (for RF conducted test):	1.5dB
Operation Frequency/Number of channels (20MHz):	U-NII-1: 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):	U-NII-1: 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):	U-NII-1: 5210MHz (1 Channel) U-NII-2A: 5290MHz (1 Channel) U-NII-2C: 5530-5610MHz (2 Channels) U-NII-3: 5775MHz (1 Channel)
Operation Frequency / Number of channels (160MHz):	U-NII-1/2A: 5250MHz (1 Channel); U-NII-2C: 5570MHz (1 Channel)
Modulation Type:	802.11a: 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, 1024QAM)
Channel Spacing:	802.11a/n/ac/ax 20: 20MHz 802.11n/ac/ax 40: 40MHz 802.11ac/ax 80: 80MHz 802.11ax 160: 320MHz
DFS Function:	Slave without radar detection function
TPC Function:	Without TPC function
Antenna Type:	PIFA Antenna

Antenna gain:	Ant9:-0.4dBi, Ant10: 1.5dBi

Remark:The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
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The EUT has been tested as an independent unit.			

4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at AC Power Line (150kHz-30MHz)	± 3.1dB
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
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.	

4.4 Test Location

All tests were performed at:

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

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

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

No tests were sub-contracted.

4.5 Test Facility

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

• A2LA (Certificate No. 3816.01)

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

• VCCI (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

5 Equipment List

Conducted Emissions at AC Power Line (150kHz-30MHz)					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2022-05-14	2025-05-13
EMI Test Receiver	Rohde&Schwarz	ESR	SZ-WRG-M-047	2024-01-30	2025-01-29
Matching Pad	N/A	N/A	SEM021-23	2024-03-20	2025-03-19
Matching Pad	N/A	N/A	SEM021-24	2024-03-20	2025-03-19
Measurement Software	AUDIX	e3 V8.2014-6-27a	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2024-07-06	2025-07-05
LISN	Rohde&Schwarz	ENV216	SEM007-01	2024-08-15	2025-08-14
LISN	ETS-LINDGREN	3816/2	SEM007-02	2024-03-14	2025-03-13

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	2024-03-14	2025-03-13
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	2024-01-30	2025-01-29
Low Noise Amplifier 1G-18GHz	Tonscend	TAP01018050	SZ-WRG-M-051	2024-01-30	2025-01-29
Low Noise Amplifier 18G-40GHz	Tonscend	TAP18040048	SZ-WRG-M-052	2024-01-30	2025-01-29
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	2022-01-05	2025-01-04
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	2024-01-30	2025-01-29
Low Noise Amplifier 30M-8GHz	Tonscend	TAP30M8G30	SZ-WRG-M-050	2024-01-30	2025-01-29
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	2022-01-05	2025-01-04
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	2024-03-14	2025-03-13
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	2024-03-27	2025-03-26
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2024-03-19	2025-03-18
Manual Step Attenuator	KEYSIGHT	8494B	SEM021-05	2024-03-27	2025-03-26
Manual Step Attenuator	KEYSIGHT	8496B	SEM021-06	2024-03-27	2025-03-26
MXG Vector Signal Generator	Agilent	N5182A	SEM006-21	2024-03-27	2025-03-26
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-22	2024-03-14	2025-03-13

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 Indicator	deli	8838	SEM002-33	2024-07-24	2025-07-23
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2024-03-18	2025-03-17

6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

6.1.2 Conclusion

Standard Requirement:

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

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the Ant9:-0.4dBi, Ant10: 1.5dBi, directional gain:3.61dBi.

Antenna location: Refer to internal photo.

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

6.2.2 Conclusion

Standard Requirement:

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

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

EUT Details:

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

7 Radio Spectrum Matter Test Results

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

Test Requirement 47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(9)

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

Limit:

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

7.1.1 E.U.T. Operation

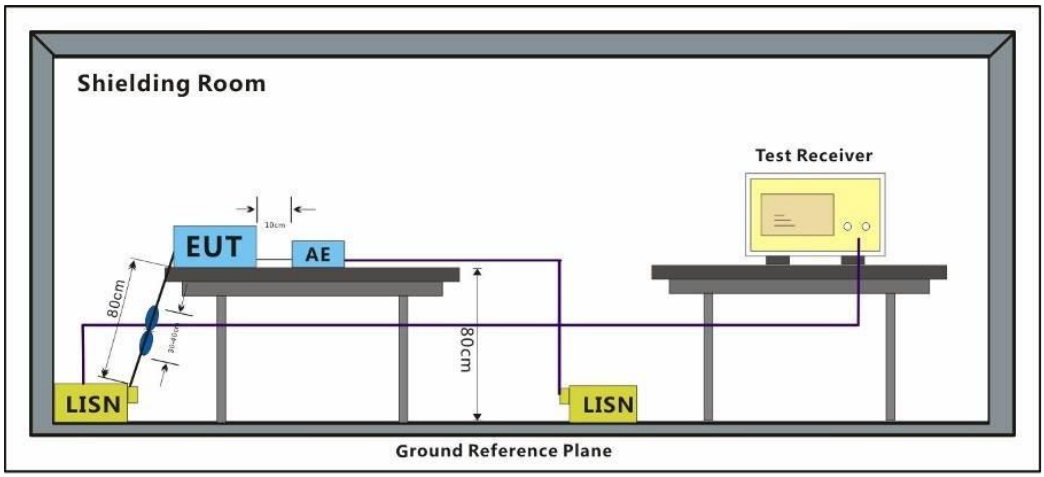
Operating Environment:

Temperature: 22.5 °C Humidity: 44.5 % RH Atmospheric Pressure: 1020 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	14	Charge + TX mode (U-NII-1) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Pre-scan	15	Charge + TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Pre-scan	16	Charge + TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Pre-scan	17	Charge + TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.1.3 Test Setup Diagram



7.1.4 Measurement Procedure and Data

1) The mains terminal disturbance voltage test was conducted in a shielded room.

2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50μH + 5ohm linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.

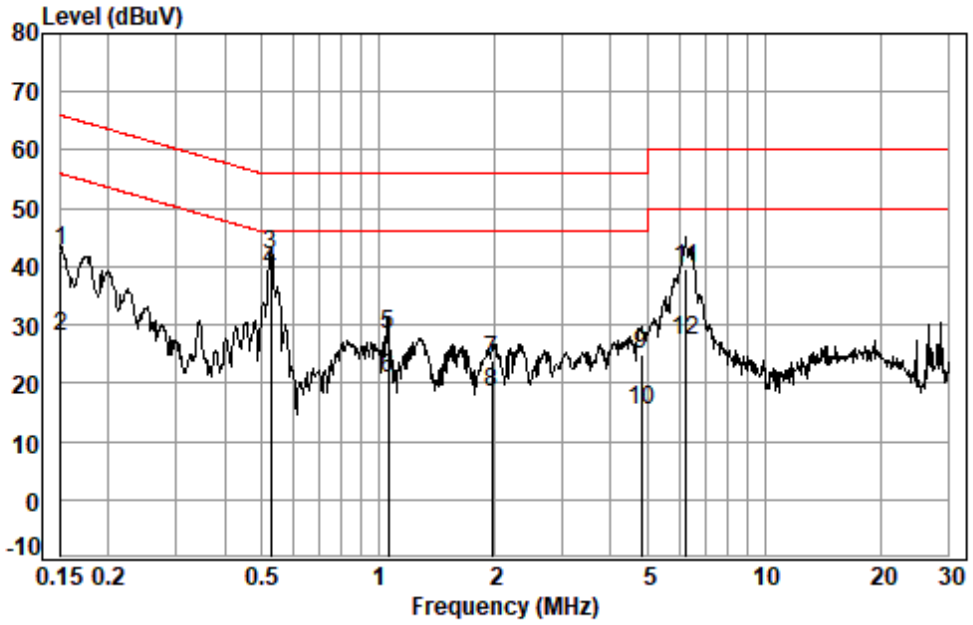
3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,

4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.

5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

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

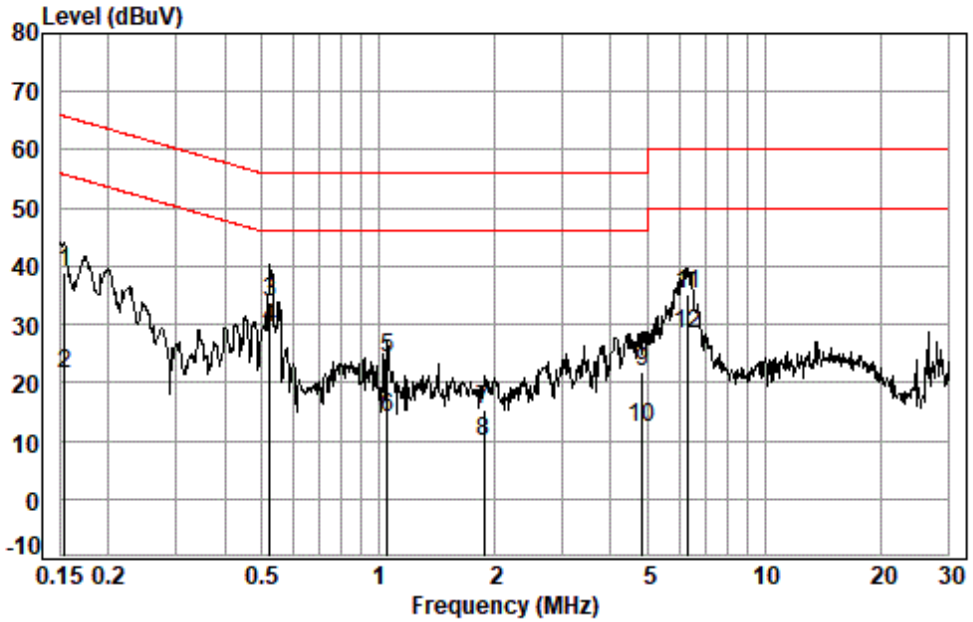
Test Mode: 14; Line: Live line



Site : Shielding Room
Condition: Line
Job No. : 03810WM
Test mode: 14

		Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1		0.1508	0.06	10.19	32.48	42.73	65.96	-23.23	QP
2		0.1508	0.06	10.19	17.78	28.03	55.96	-27.93	Average
3	*	0.5265	0.08	9.56	32.43	42.07	56.00	-13.93	QP
4	*	0.5265	0.08	9.56	29.76	39.40	46.00	-6.60	Average
5		1.0597	0.09	9.58	18.50	28.17	56.00	-27.83	QP
6		1.0597	0.09	9.58	11.23	20.90	46.00	-25.10	Average
7		1.9697	0.10	9.58	14.25	23.93	56.00	-32.07	QP
8		1.9697	0.10	9.58	8.74	18.42	46.00	-27.58	Average
9		4.7969	0.12	9.66	14.99	24.77	56.00	-31.23	QP
10		4.7969	0.12	9.66	5.60	15.38	46.00	-30.62	Average
11		6.2520	0.15	9.67	29.85	39.67	60.00	-20.33	QP
12		6.2520	0.15	9.67	17.61	27.43	50.00	-22.57	Average

Test Mode: 14; Line: Neutral Line



Site : Shielding Room
Condition: Neutral
Job No. : 03810WM
Test mode: 14

		Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1		0.1540	0.06	10.14	28.64	38.84	65.78	-26.94	QP
2		0.1540	0.06	10.14	11.45	21.65	55.78	-34.13	Average
3	*	0.5238	0.08	9.70	23.86	33.64	56.00	-22.36	QP
4	*	0.5238	0.08	9.70	19.56	29.34	46.00	-16.66	Average
5		1.0541	0.09	9.54	14.65	24.28	56.00	-31.72	QP
6		1.0541	0.09	9.54	4.34	13.97	46.00	-32.03	Average
7		1.8779	0.10	9.55	5.75	15.40	56.00	-40.60	QP
8		1.8779	0.10	9.55	0.29	9.94	46.00	-36.06	Average
9		4.8224	0.12	9.56	12.15	21.83	56.00	-34.17	QP
10		4.8224	0.12	9.56	2.48	12.16	46.00	-33.84	Average
11		6.3521	0.15	9.62	25.37	35.14	60.00	-24.86	QP
12		6.3521	0.15	9.62	18.39	28.16	50.00	-21.84	Average

7.2 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	≤1W(30dBm) for master device
	≤250mW(24dBm) for client device
5250-5350	≤250mW(24dBm) or 11dBm+10logB*
5470-5725	≤250mW(24dBm) or 11dBm+10logB*
5725-5850	≤1W(30dBm)
Remark:	* Where B is the 26dB emission bandwidth in MHz. The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.

7.2.1 E.U.T. Operation

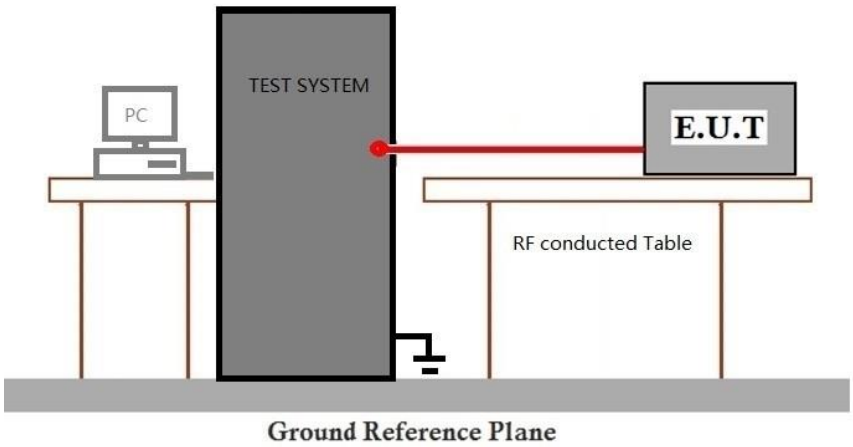
Operating Environment:

Temperature: 23.7 °C Humidity: 49.5 % RH Atmospheric Pressure: 1020 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	09	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	10	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	11	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	12	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.2.3 Test Setup Diagram



7.2.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.3 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

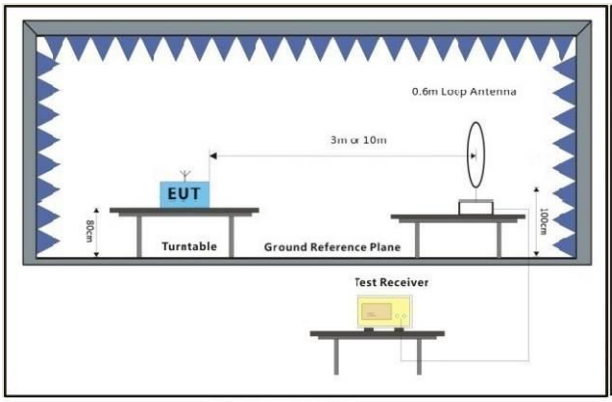
7.3.1 E.U.T. Operation

Operating Environment:
Temperature: 23.2 °C Humidity: 45.8 % RH Atmospheric Pressure: 1020 mbar

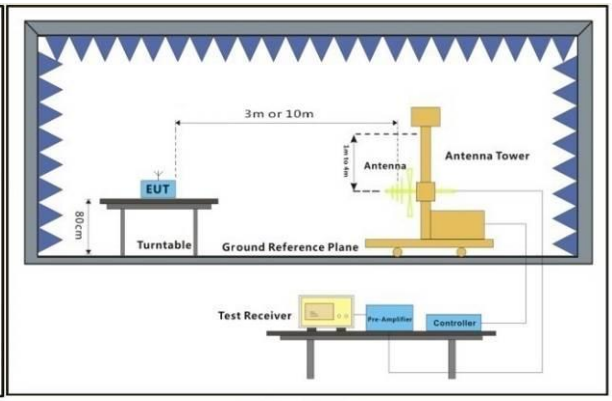
7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	09	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Pre-scan	10	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Pre-scan	11	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Pre-scan	12	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.3.3 Test Setup Diagram



Below 30MHz



30MHz-1GHz

7.3.4 Measurement Procedure and Data

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

b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using quasi-peak method as specified and then reported in a data sheet.

g. Test the EUT in the lowest channel, the middle channel, the Highest channel.

h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

i. Repeat above procedures until all frequencies measured was complete.

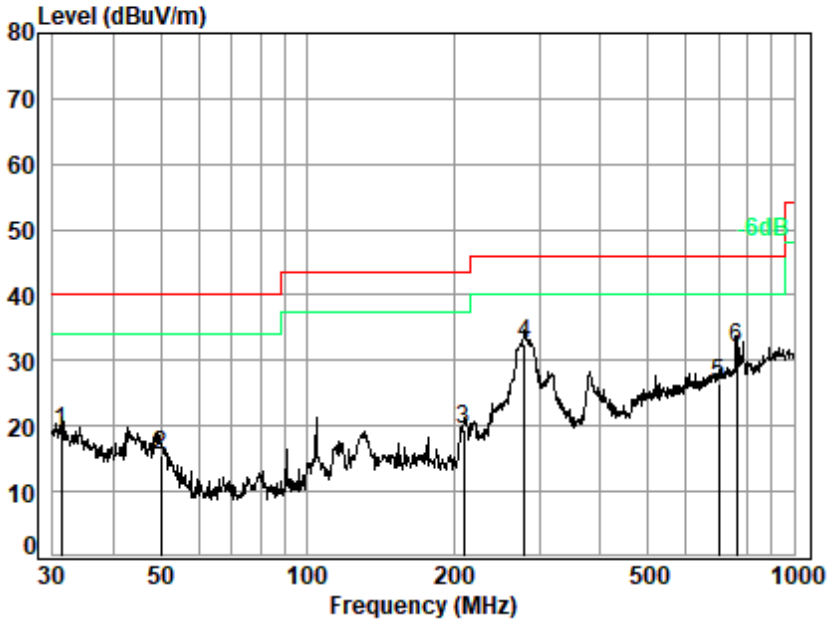
Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

2. For emission below 1GHz, through the pre-scan found the worst case is the lowest channel of 802.11a. Only the worst case is recorded in the report.

3. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

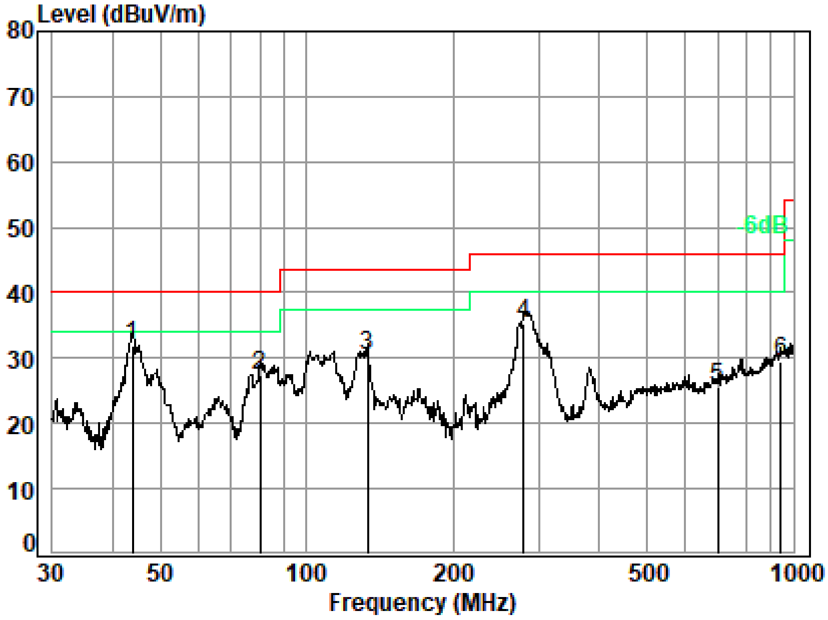
Test Mode: 09; Polarity: Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 03809WM/03810WM
Test Mode: 09

	Freq	Ant Factor	Cable Loss	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	31.180	20.65	0.65	27.79	25.67	19.18	40.00	-20.82	QP
2	50.057	12.75	0.83	27.73	29.59	15.44	40.00	-24.56	QP
3	210.048	14.78	1.77	27.13	30.02	19.44	43.50	-24.06	QP
4 q	279.044	16.94	2.08	26.84	40.37	32.55	46.00	-13.45	QP
5	699.305	25.93	3.51	27.73	24.82	26.53	46.00	-19.47	QP
6	760.704	26.47	3.70	27.58	29.26	31.85	46.00	-14.15	QP

Test Mode: 09; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No. : 03809WM/03810WM
Test Mode: 09

	Freq	Ant Factor	Cable Loss	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q	43.812	14.62	0.78	27.75	44.18	31.83	40.00	-8.17	QP
2	80.081	10.46	1.06	27.65	43.62	27.49	40.00	-12.51	QP
3	133.619	11.25	1.37	27.45	45.13	30.30	43.50	-13.20	QP
4	279.044	16.94	2.08	26.84	42.97	35.15	46.00	-10.85	QP
5	699.305	25.93	3.51	27.73	23.99	25.70	46.00	-20.30	QP
6	942.131	28.19	4.20	26.46	23.71	29.64	46.00	-16.36	QP

7.4 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)
Above 1GHz	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.

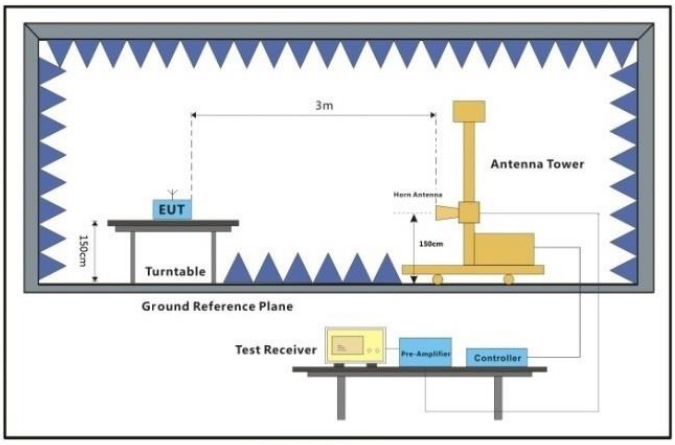
7.4.1 E.U.T. Operation

Operating Environment:
Temperature: 22.2 °C Humidity: 59.8 % RH Atmospheric Pressure: 1020 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	09	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	10	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	11	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	12	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.4.3 Test Setup Diagram



Above 1GHz

7.4.4 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.

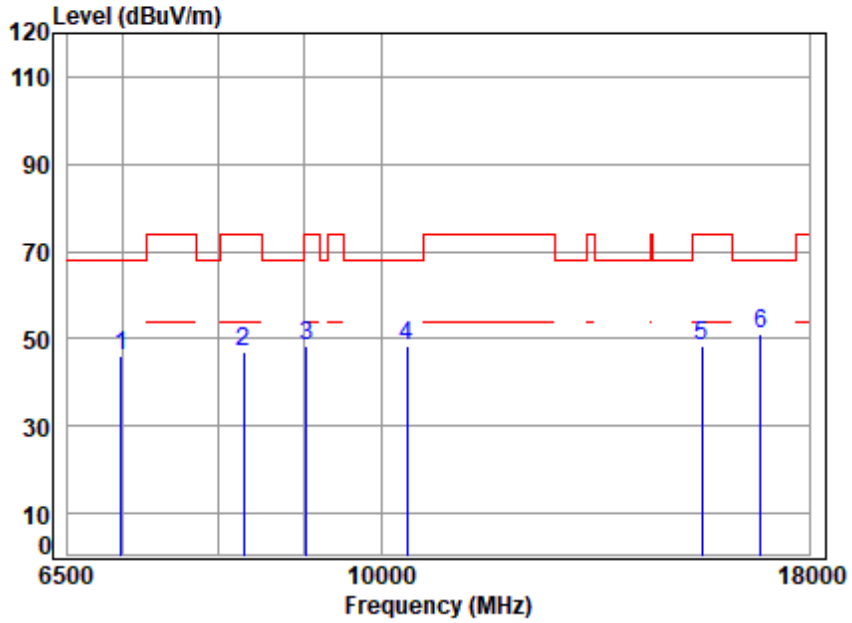
4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.

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 ≥1/T (Duty cycle＜98%) or 10Hz (Duty cycle≥98%) for Average detection (AV) at frequency above 1GHz.

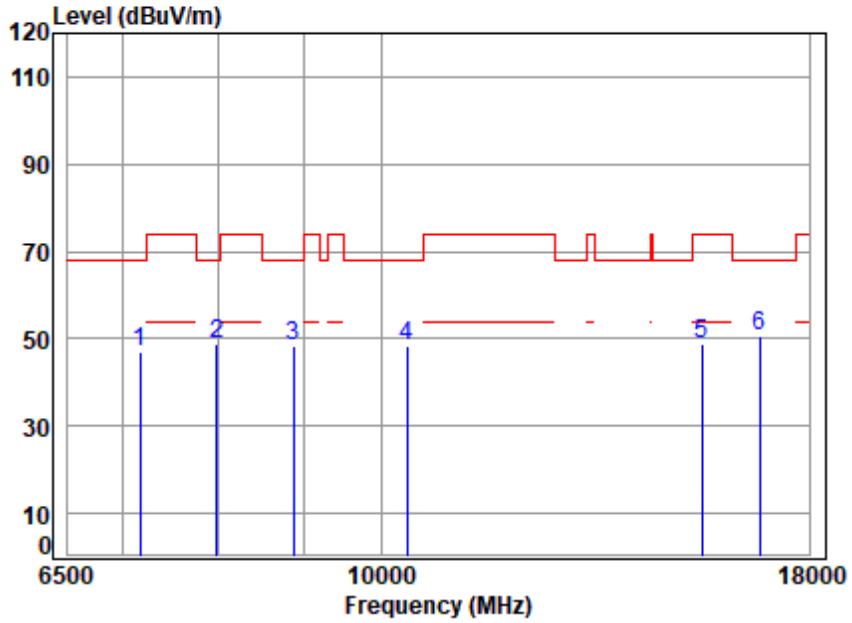
Test Mode: 09; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5180 TX RSE
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6994.605	11.37	36.19	56.70	55.30	46.16	68.20	-22.04	peak
2	8274.704	11.71	37.85	55.65	53.28	47.19	74.00	-26.81	peak
3	9023.043	12.14	38.60	54.98	52.76	48.52	74.00	-25.48	peak
4	10360.000	13.60	39.00	53.88	49.77	48.49	68.20	-19.71	peak
5	15540.000	17.00	38.56	54.14	47.13	48.55	74.00	-25.45	peak
6	pp16846.870	17.80	39.60	54.25	47.81	50.96	68.20	-17.24	peak

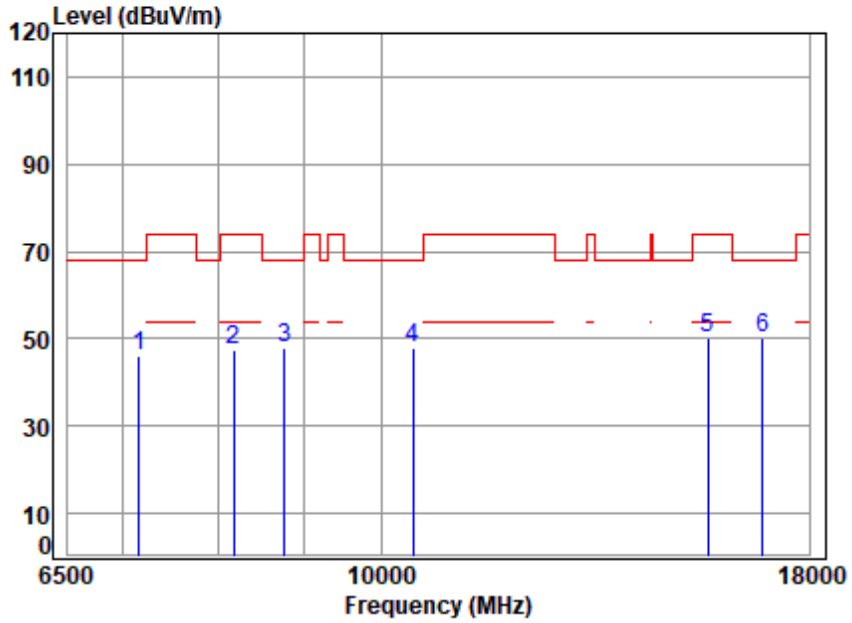
Test Mode: 09; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5180 TX RSE
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7175.005	11.64	36.55	56.56	55.57	47.20	68.20	-21.00	peak
2	7976.779	11.56	37.75	55.92	55.40	48.79	68.20	-19.41	peak
3	8859.119	12.23	38.52	55.13	52.76	48.38	68.20	-19.82	peak
4	10360.000	13.60	39.00	53.88	49.72	48.44	68.20	-19.76	peak
5	15540.000	17.00	38.56	54.14	47.45	48.87	74.00	-25.13	peak
6	pp16812.580	17.55	39.60	54.24	47.63	50.54	68.20	-17.66	peak

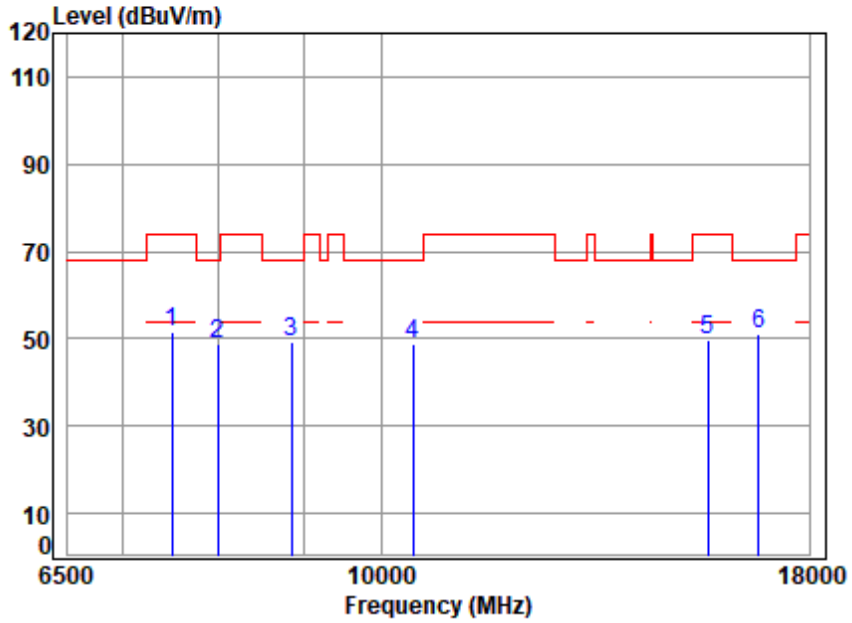
Test Mode: 09; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5220 TX RSE
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7167.700	11.67	36.54	56.57	54.48	46.12	68.20	-22.08	peak
2	8165.858	11.53	37.93	55.75	53.96	47.67	74.00	-26.33	peak
3	8751.494	12.17	38.50	55.22	52.57	48.02	68.20	-20.18	peak
4	10440.000	13.63	39.04	53.84	49.00	47.83	68.20	-20.37	peak
5	15660.000	17.23	38.56	54.10	48.46	50.15	74.00	-23.85	peak
6	pp16898.430	18.17	39.60	54.27	46.67	50.17	68.20	-18.03	peak

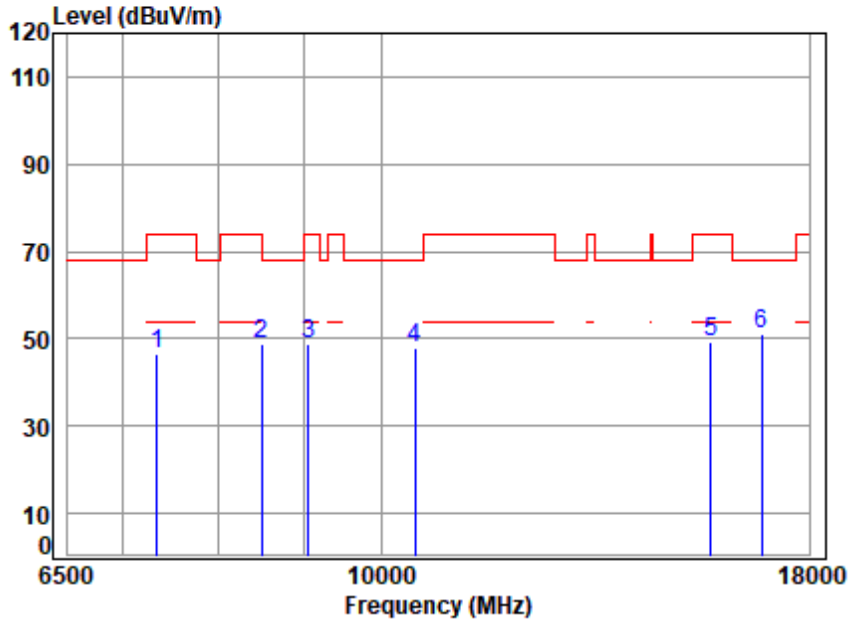
Test Mode: 09; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5220 TX RSE
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7496.243	11.24	36.80	56.30	60.00	51.74	74.00	-22.26	peak
2	7984.908	11.56	37.77	55.91	55.56	48.98	68.20	-19.22	peak
3	8841.090	12.24	38.50	55.14	53.48	49.08	68.20	-19.12	peak
4	10440.000	13.63	39.04	53.84	50.09	48.92	68.20	-19.28	peak
5	15660.000	17.23	38.56	54.10	48.26	49.95	74.00	-24.05	peak
6	pp16795.470	17.47	39.59	54.24	48.22	51.04	68.20	-17.16	peak

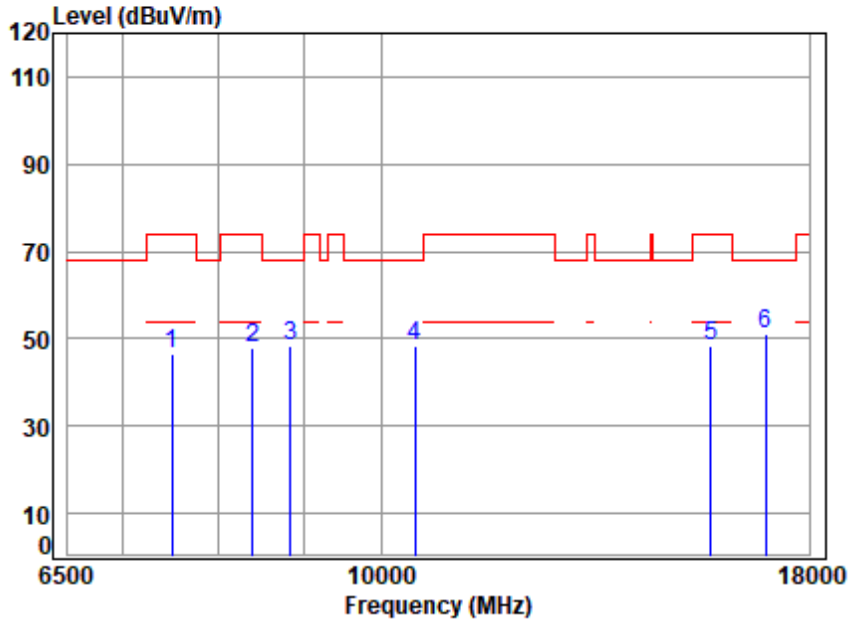
Test Mode: 09; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5240 TX RSE
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7352.564	11.50	36.79	56.42	54.52	46.39	74.00	-27.61	peak
2	8488.119	12.23	38.32	55.46	53.51	48.60	74.00	-25.40	peak
3	9041.442	12.14	38.60	54.96	52.91	48.69	74.00	-25.31	peak
4	10480.000	13.64	39.08	53.81	49.02	47.93	68.20	-20.27	peak
5	15720.000	17.22	38.58	54.08	47.40	49.12	74.00	-24.88	peak
6	pp16864.040	17.92	39.60	54.26	47.70	50.96	68.20	-17.24	peak

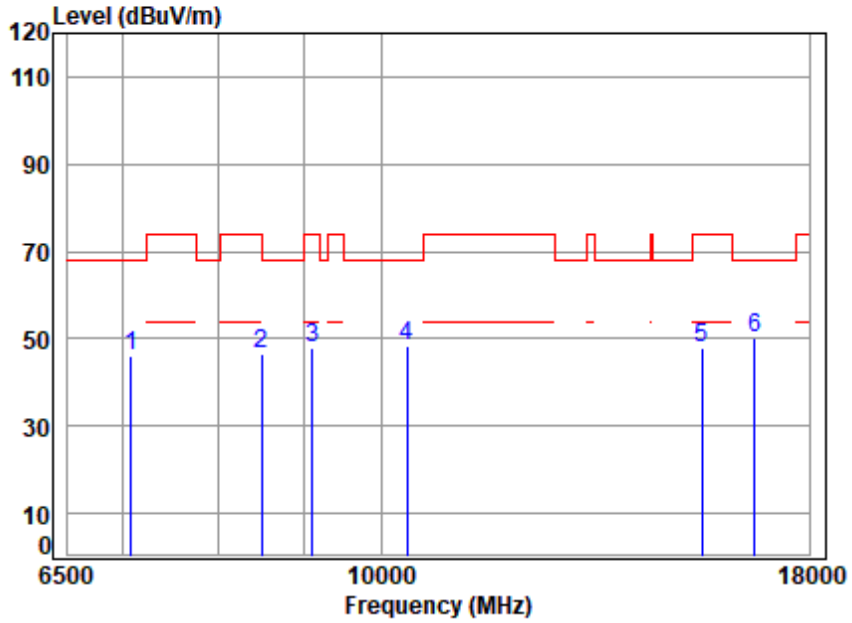
Test Mode: 09; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5240 TX RSE
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7496.243	11.24	36.80	56.30	54.92	46.66	74.00	-27.34	peak
2	8385.002	11.65	38.63	55.55	53.10	47.83	74.00	-26.17	peak
3	8832.090	12.24	38.50	55.15	52.62	48.21	68.20	-19.99	peak
4	10480.000	13.64	39.08	53.81	49.47	48.38	68.20	-19.82	peak
5	15720.000	17.22	38.58	54.08	46.63	48.35	74.00	-25.65	peak
6	pp16967.410	18.11	39.67	54.29	47.76	51.25	68.20	-16.95	peak

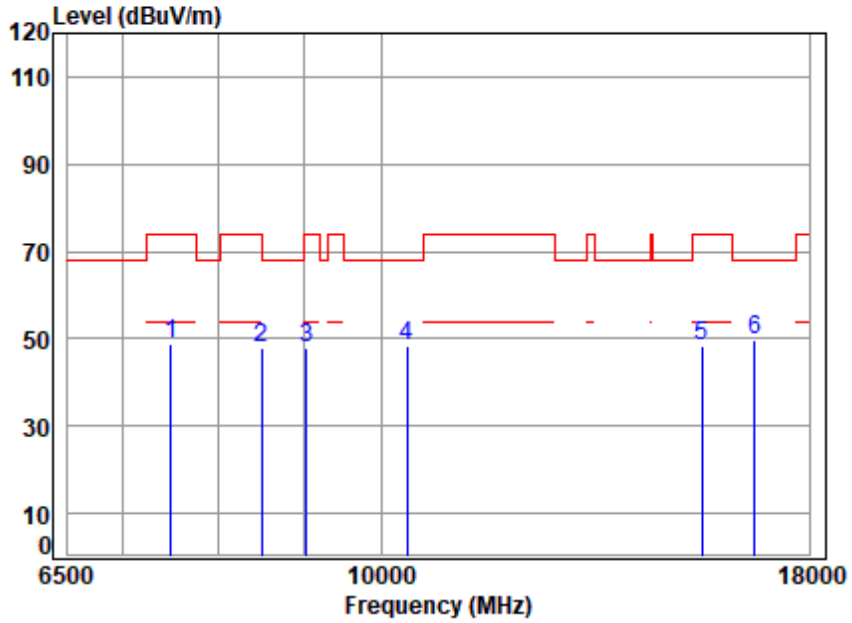
Test Mode: 09; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5180 TX RSE
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7087.840	11.91	36.38	56.63	54.29	45.95	68.20	-22.25	peak
2	8479.478	12.17	38.34	55.47	51.61	46.65	74.00	-27.35	peak
3	9096.867	12.12	38.60	54.91	51.91	47.72	74.00	-26.28	peak
4	10360.000	13.60	39.00	53.88	49.58	48.30	68.20	-19.90	peak
5	15540.000	17.00	38.56	54.14	46.65	48.07	74.00	-25.93	peak
6	pp16693.140	17.59	39.39	54.21	47.52	50.29	68.20	-17.91	peak

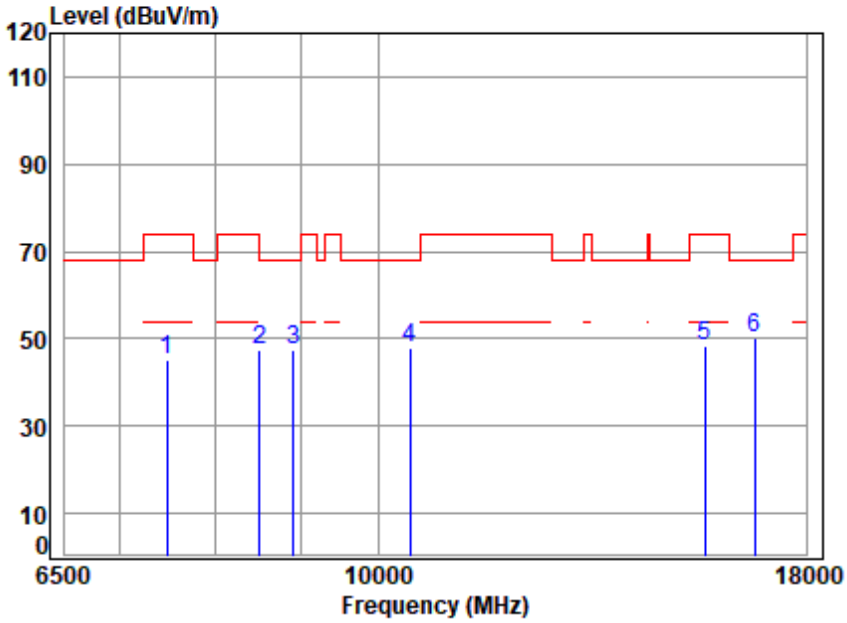
Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5180 TX RSE
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7488.611	11.26	36.80	56.31	57.05	48.80	74.00	-25.20	peak
2	8479.478	12.17	38.34	55.47	52.76	47.80	74.00	-26.20	peak
3	9023.043	12.14	38.60	54.98	52.31	48.07	74.00	-25.93	peak
4	10360.000	13.60	39.00	53.88	49.48	48.20	68.20	-20.00	peak
5	15540.000	17.00	38.56	54.14	46.86	48.28	74.00	-25.72	peak
6	pp16710.150	17.58	39.42	54.21	47.17	49.96	68.20	-18.24	peak

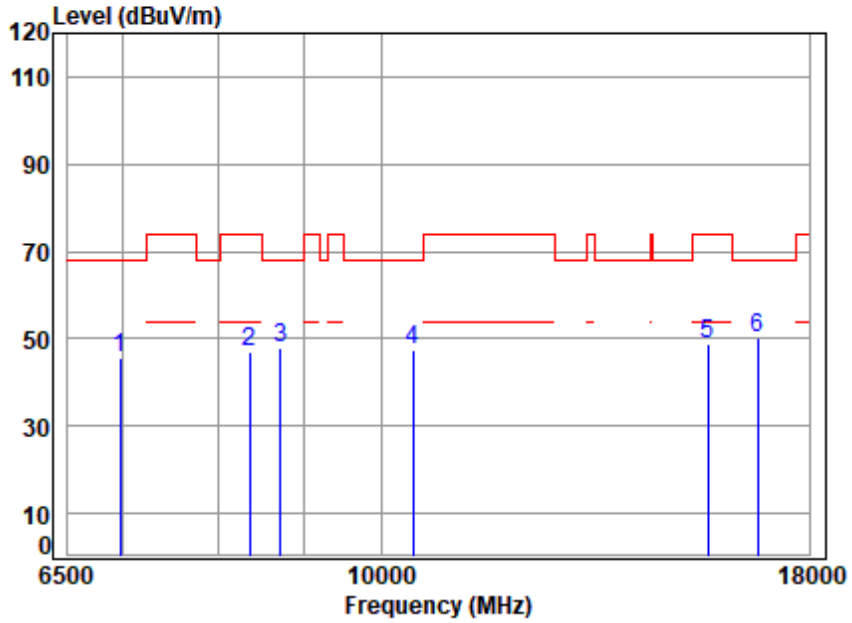
Test Mode: 09; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5220 TX RSE
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7480.987	11.28	36.80	56.32	53.61	45.37	74.00	-28.63	peak
2	8496.769	12.29	38.31	55.45	52.09	47.24	74.00	-26.76	peak
3	8904.353	12.22	38.59	55.09	51.89	47.61	68.20	-20.59	peak
4	10440.000	13.63	39.04	53.84	49.10	47.93	68.20	-20.27	peak
5	15660.000	17.23	38.56	54.10	46.63	48.32	74.00	-25.68	peak
6	pp16761.290	17.51	39.52	54.23	47.49	50.29	68.20	-17.91	peak

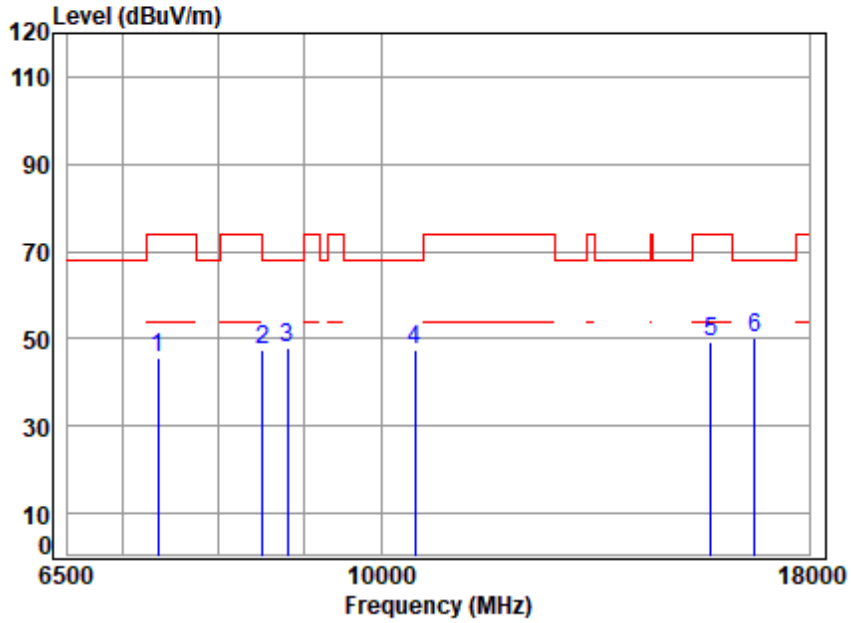
Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5220 TX RSE
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6987.484	11.37	36.17	56.70	54.76	45.60	68.20	-22.60	peak
2	8350.908	11.69	38.70	55.58	52.07	46.88	74.00	-27.12	peak
3	8707.038	12.10	38.59	55.26	52.62	48.05	68.20	-20.15	peak
4	10440.000	13.63	39.04	53.84	48.49	47.32	68.20	-20.88	peak
5	15660.000	17.23	38.56	54.10	47.03	48.72	74.00	-25.28	peak
6	pp16761.290	17.51	39.52	54.23	47.54	50.34	68.20	-17.86	peak

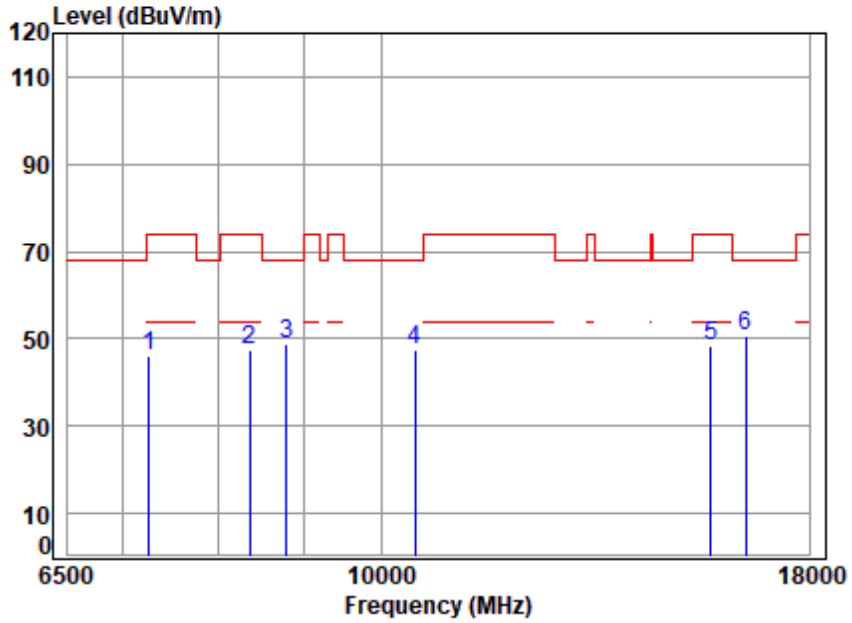
Test Mode: 09; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5240 TX RSE
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7360.057	11.50	36.78	56.41	53.54	45.41	74.00	-28.59	peak
2	8496.769	12.29	38.31	55.45	52.10	47.25	74.00	-26.75	peak
3	8787.224	12.23	38.50	55.19	52.16	47.70	68.20	-20.50	peak
4	10480.000	13.64	39.08	53.81	48.46	47.37	68.20	-20.83	peak
5	15720.000	17.22	38.58	54.08	47.41	49.13	74.00	-24.87	peak
6	pp16710.150	17.58	39.42	54.21	47.17	49.96	68.20	-18.24	peak

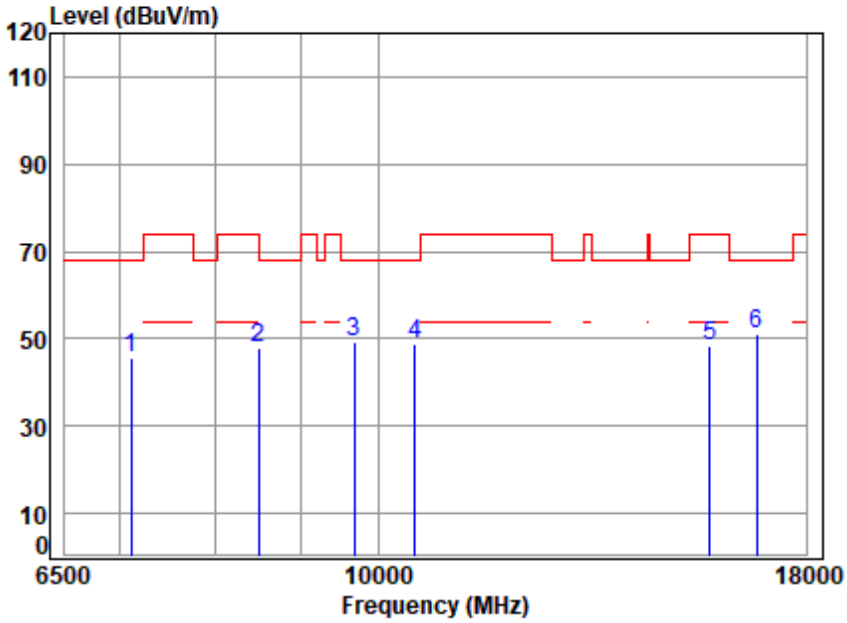
Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5240 TX RSE
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7263.242	11.51	36.63	56.49	54.60	46.25	74.00	-27.75	peak
2	8342.406	11.70	38.58	55.59	52.78	47.47	74.00	-26.53	peak
3	8778.277	12.22	38.50	55.20	53.42	48.94	68.20	-19.26	peak
4	10480.000	13.64	39.08	53.81	48.53	47.44	68.20	-20.76	peak
5	15720.000	17.22	38.58	54.08	46.70	48.42	74.00	-25.58	peak
6	pp16490.340	17.68	38.89	54.15	48.37	50.79	68.20	-17.41	peak

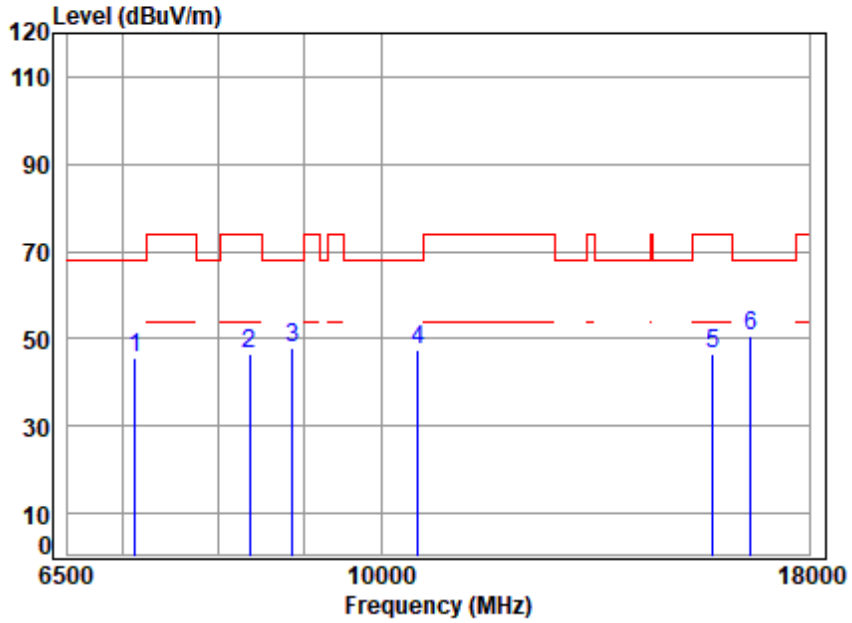
Test Mode: 10; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5260 TX RSE
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7124.029	11.88	36.45	56.60	53.93	45.66	68.20	-22.54	peak
2	8479.478	12.17	38.34	55.47	52.80	47.84	74.00	-26.16	peak
3	9680.010	12.65	38.70	54.39	52.13	49.09	68.20	-19.11	peak
4	10520.000	13.63	39.14	53.79	49.72	48.70	68.20	-19.50	peak
5	15780.000	17.08	38.52	54.07	47.04	48.57	74.00	-25.43	peak
6	pp16829.720	17.67	39.60	54.25	48.01	51.03	68.20	-17.17	peak

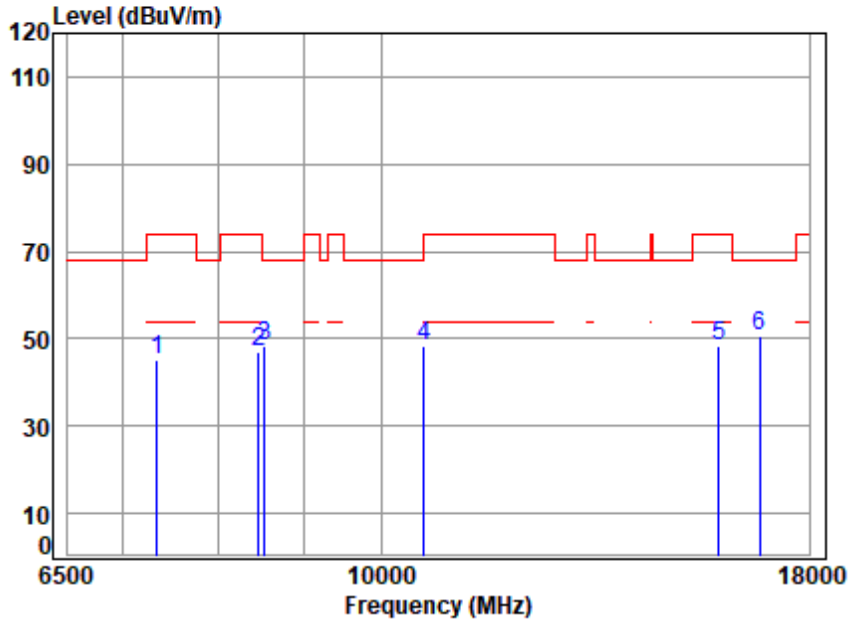
Test Mode: 10; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5260 TX RSE
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7131.289	11.84	36.46	56.59	53.81	45.52	68.20	-22.68	peak
2	8342.406	11.70	38.58	55.59	51.92	46.61	74.00	-27.39	peak
3	8850.100	12.23	38.50	55.13	52.39	47.99	68.20	-20.21	peak
4	10520.000	13.63	39.14	53.79	48.54	47.52	68.20	-20.68	peak
5	15780.000	17.08	38.52	54.07	45.22	46.75	74.00	-27.25	peak
6	pp16608.340	17.64	39.22	54.18	48.09	50.77	68.20	-17.43	peak

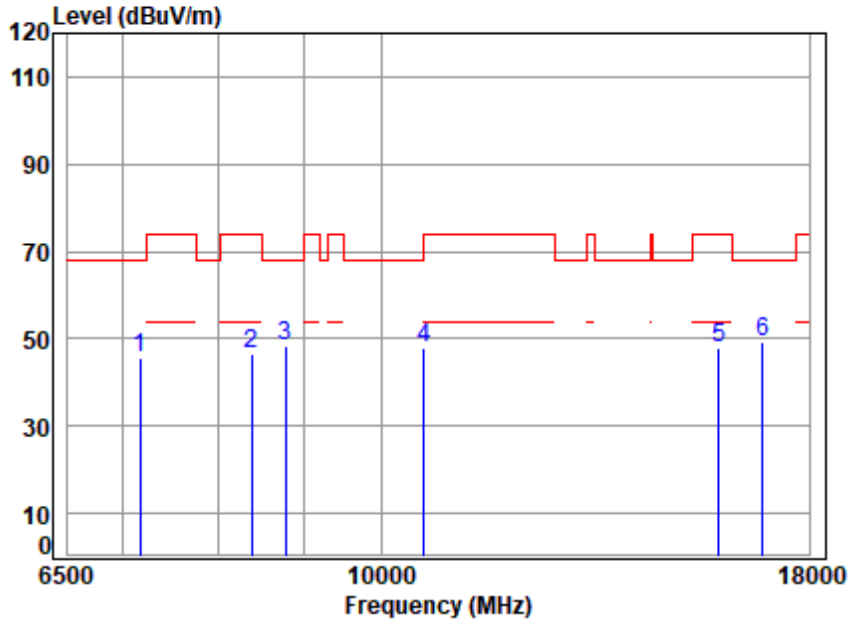
Test Mode: 10; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5300 TX RSE
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7345.079	11.51	36.79	56.42	53.24	45.12	74.00	-28.88	peak
2	8445.000	11.94	38.42	55.50	51.98	46.84	74.00	-27.16	peak
3	8522.772	12.23	38.30	55.43	53.41	48.51	68.20	-19.69	peak
4	10600.000	13.59	39.30	53.74	49.23	48.38	68.20	-19.82	peak
5	15900.000	17.28	38.70	54.03	46.57	48.52	74.00	-25.48	peak
6	pp16829.720	17.67	39.60	54.25	47.58	50.60	68.20	-17.60	peak

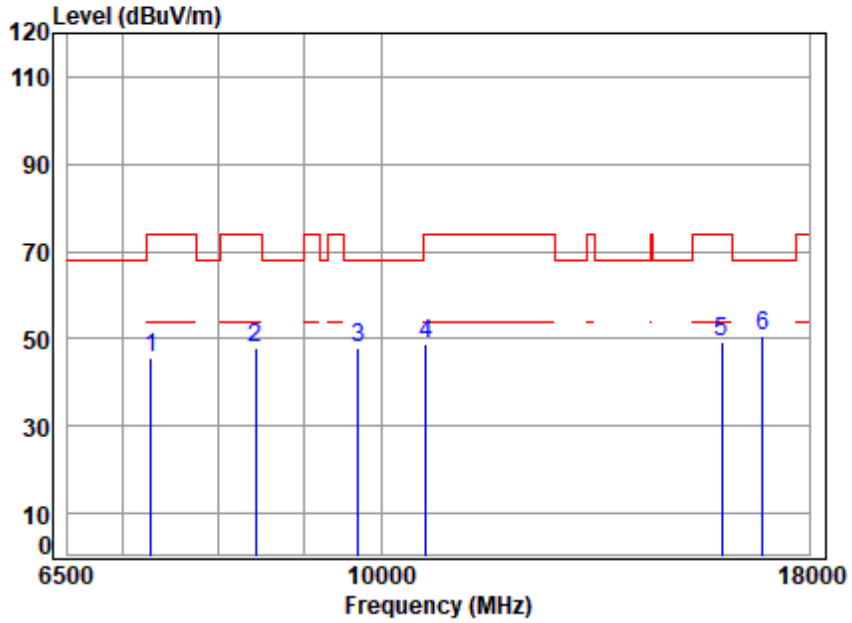
Test Mode: 10; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5300 TX RSE
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7175.005	11.64	36.55	56.56	53.85	45.48	68.20	-22.72	peak
2	8367.938	11.67	38.66	55.57	51.58	46.34	74.00	-27.66	peak
3	8769.341	12.20	38.50	55.21	52.71	48.20	68.20	-20.00	peak
4	10600.000	13.59	39.30	53.74	48.68	47.83	68.20	-20.37	peak
5	15900.000	17.28	38.70	54.03	45.95	47.90	74.00	-26.10	peak
6	pp16898.430	18.17	39.60	54.27	45.67	49.17	68.20	-19.03	peak

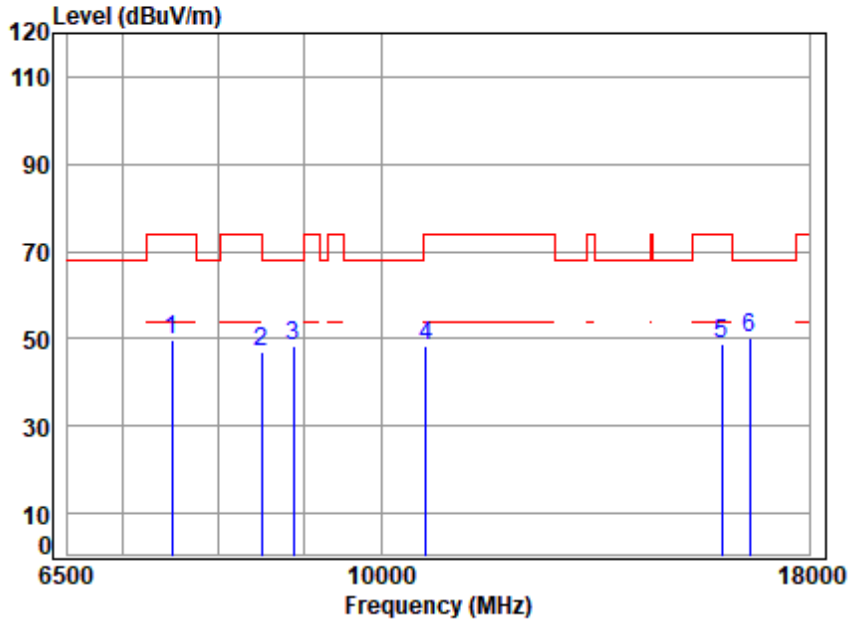
Test Mode: 10; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5320 TX RSE
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7292.895	11.51	36.69	56.47	54.05	45.78	74.00	-28.22	peak
2	8419.234	11.76	38.52	55.52	53.04	47.80	74.00	-26.20	peak
3	9689.874	12.67	38.70	54.38	51.13	48.12	68.20	-20.08	peak
4	10640.000	13.77	39.34	53.72	49.50	48.89	74.00	-25.11	peak
5	15960.000	17.20	38.64	54.01	47.63	49.46	74.00	-24.54	peak
6	pp16881.220	18.04	39.60	54.26	47.28	50.66	68.20	-17.54	peak

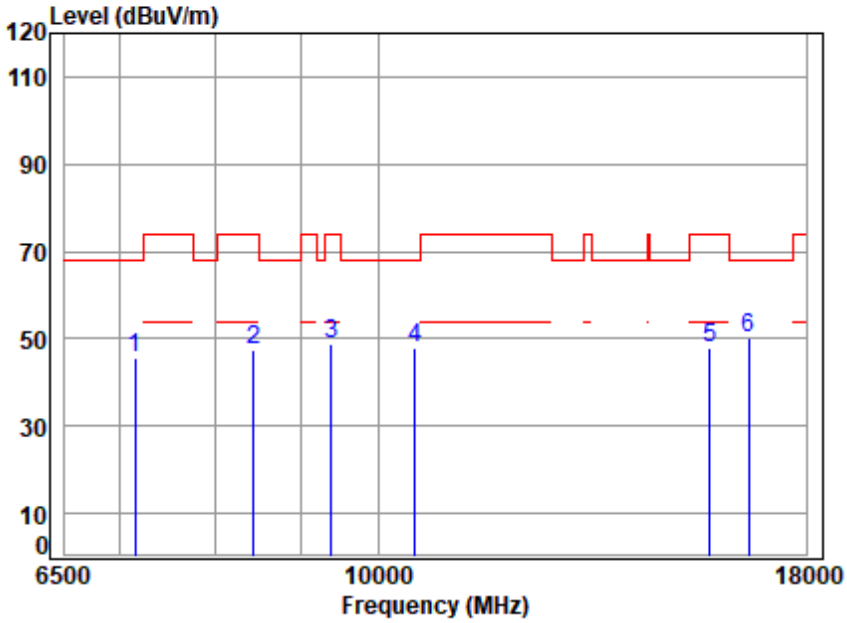
Test Mode: 10; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5320 TX RSE
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7496.243	11.24	36.80	56.30	57.84	49.58	74.00	-24.42	peak
2	8488.119	12.23	38.32	55.46	52.11	47.20	74.00	-26.80	peak
3	8859.119	12.23	38.52	55.13	52.73	48.35	68.20	-19.85	peak
4	10640.000	13.77	39.34	53.72	48.82	48.21	74.00	-25.79	peak
5	15960.000	17.20	38.64	54.01	46.87	48.70	74.00	-25.30	peak
6	pp16591.430	17.66	39.17	54.18	47.46	50.11	68.20	-18.09	peak

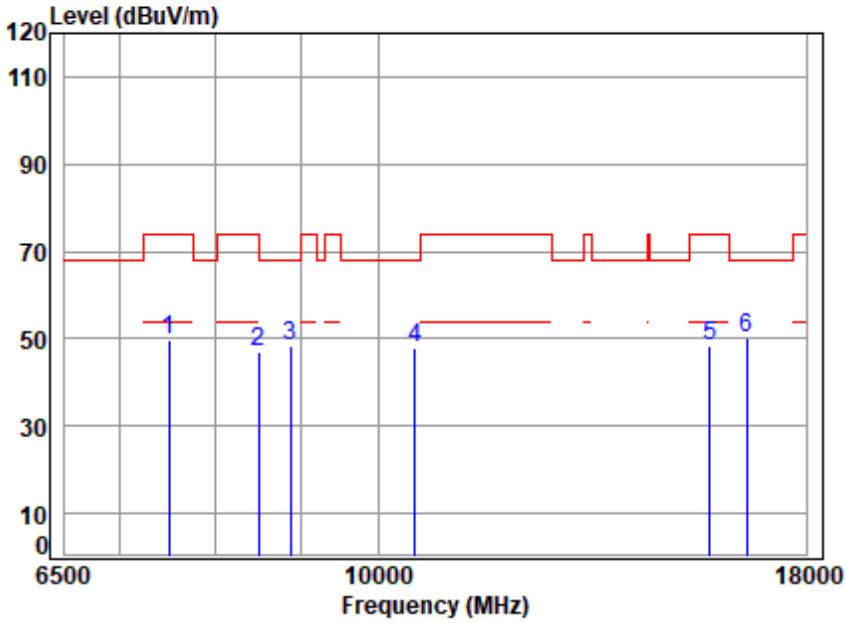
Test Mode: 10; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5260 TX RSE
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7160.403	11.71	36.52	56.57	53.78	45.44	68.20	-22.76	peak
2	8427.813	11.82	38.49	55.51	52.54	47.34	74.00	-26.66	peak
3	9369.584	12.26	38.80	54.67	52.22	48.61	74.00	-25.39	peak
4	10520.000	13.63	39.14	53.79	48.99	47.97	68.20	-20.23	peak
5	15780.000	17.08	38.52	54.07	46.24	47.77	74.00	-26.23	peak
6	pp16625.260	17.63	39.25	54.19	47.56	50.25	68.20	-17.95	peak

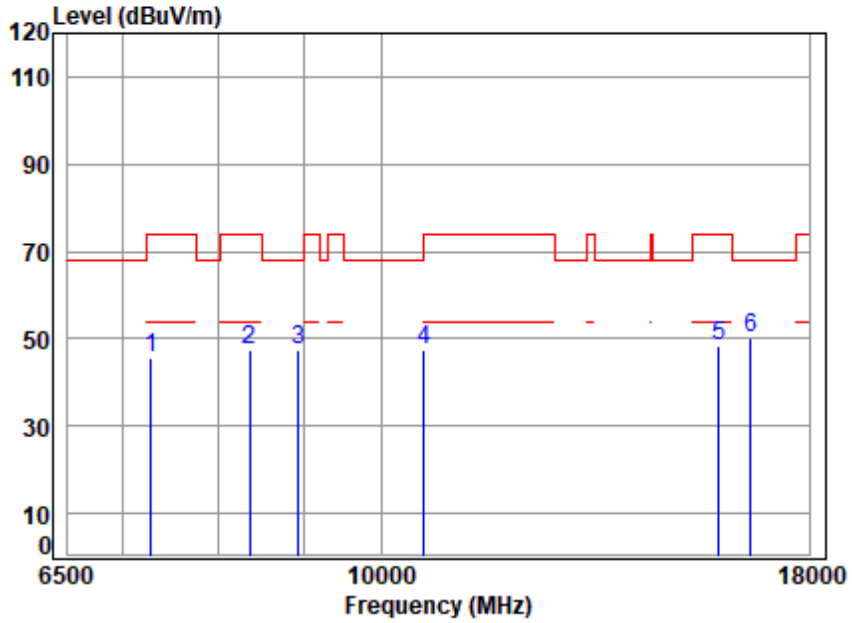
Test Mode: 10; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5260 TX RSE
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7496.243	11.24	36.80	56.30	57.84	49.58	74.00	-24.42	peak
2	8488.119	12.23	38.32	55.46	52.11	47.20	74.00	-26.80	peak
3	8859.119	12.23	38.52	55.13	52.73	48.35	68.20	-19.85	peak
4	10520.000	13.63	39.14	53.79	49.03	48.01	68.20	-20.19	peak
5	15780.000	17.08	38.52	54.07	46.73	48.26	74.00	-25.74	peak
6	pp16591.430	17.66	39.17	54.18	47.46	50.11	68.20	-18.09	peak

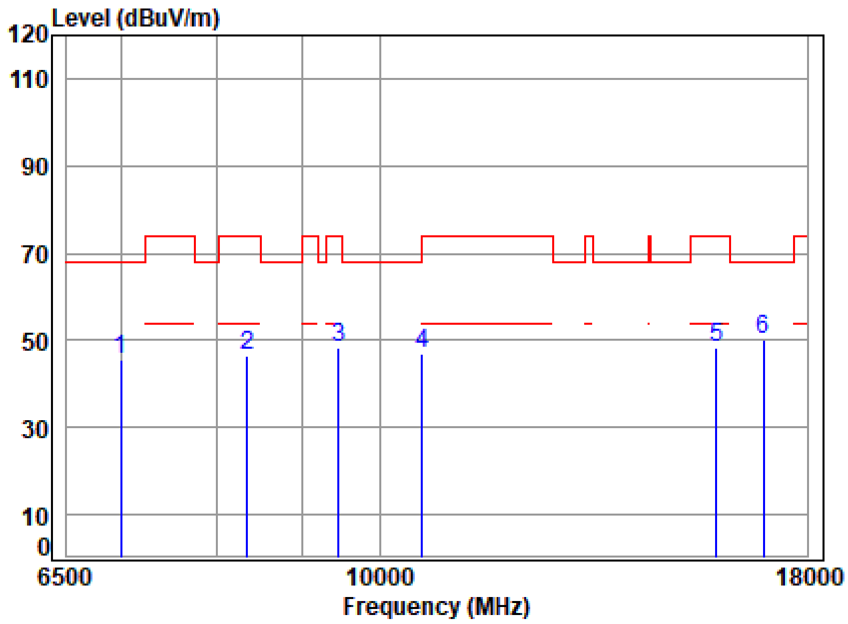
Test Mode: 10; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5300 TX RSE
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7292.895	11.51	36.69	56.47	53.87	45.60	74.00	-28.40	peak
2	8342.406	11.70	38.58	55.59	52.68	47.37	74.00	-26.63	peak
3	8922.510	12.20	38.55	55.07	51.97	47.65	68.20	-20.55	peak
4	10600.000	13.59	39.30	53.74	48.40	47.55	68.20	-20.65	peak
5	15900.000	17.28	38.70	54.03	46.32	48.27	74.00	-25.73	peak
6	pp16608.340	17.64	39.22	54.18	47.33	50.01	68.20	-18.19	peak

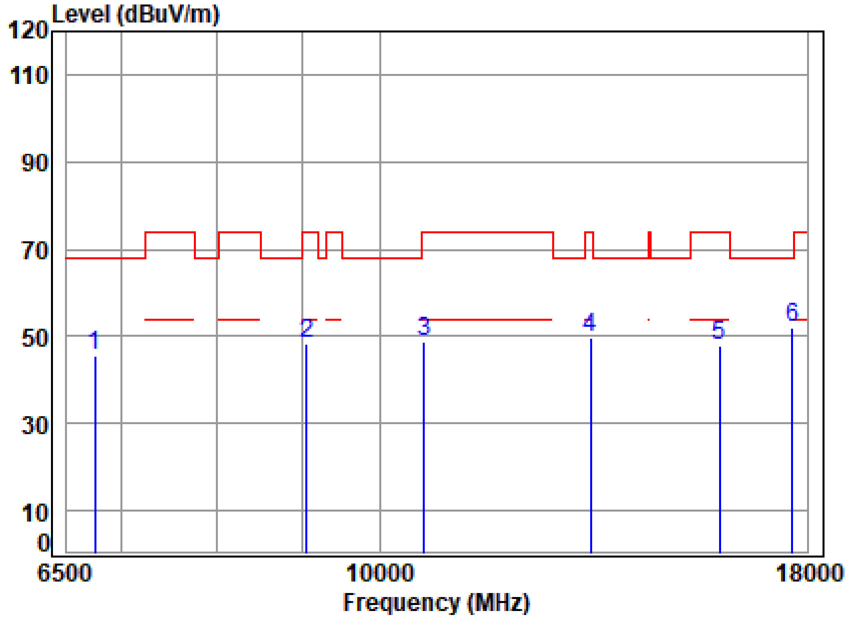
Test Mode: 10; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5300 TX RSE
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7008.869	11.42	36.22	56.69	54.63	45.58	68.20	-22.62	peak
2	8333.913	11.72	38.44	55.60	52.14	46.70	74.00	-27.30	peak
3	9446.244	12.42	38.80	54.60	51.55	48.17	74.00	-25.83	peak
4	10600.000	13.59	39.30	53.74	48.02	47.17	68.20	-21.03	peak
5	15900.000	17.28	38.70	54.03	46.48	48.43	74.00	-25.57	peak
6	pp16950.140	18.12	39.65	54.29	46.77	50.25	68.20	-17.95	peak

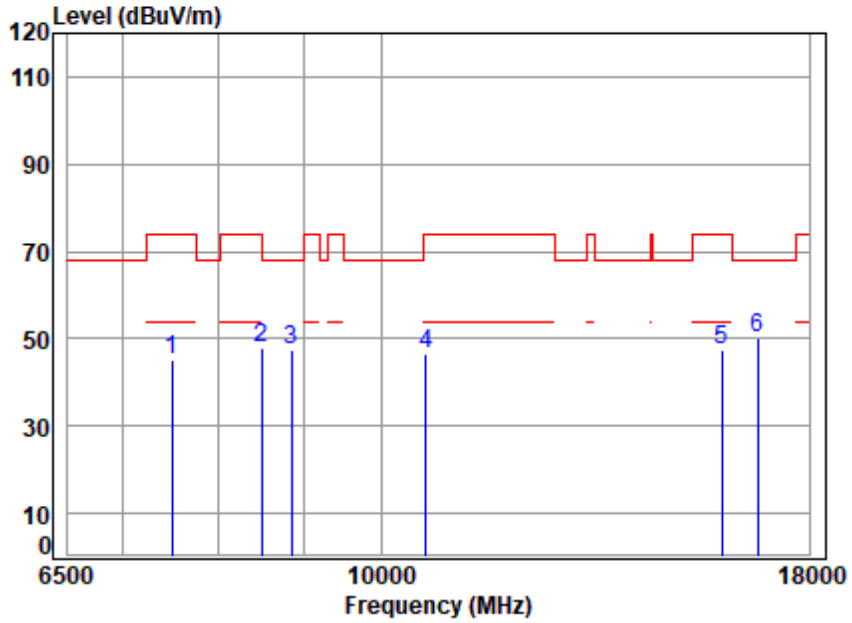
Test Mode: 10; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5320 TX RSE
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6763.404	11.38	35.75	56.75	55.18	45.56	68.20	-22.64	Peak
2	9041.442	12.14	38.60	54.96	52.36	48.14	74.00	-25.86	Peak
3	10640.000	13.78	39.34	53.71	49.23	48.64	74.00	-25.36	Peak
4	13369.140	16.10	40.30	54.46	47.92	49.86	74.00	-24.14	Peak
5	15960.000	17.20	38.64	54.01	46.02	47.85	74.00	-26.15	Peak
6	pp17637.030	19.54	40.86	54.43	46.16	52.13	68.20	-16.07	Peak

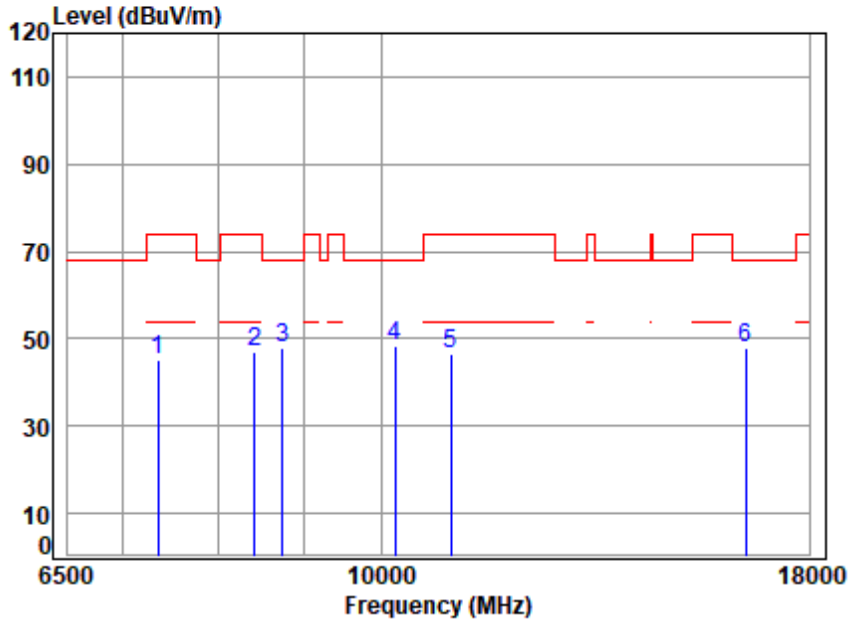
Test Mode: 10; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5320 TX RSE
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7496.243	11.24	36.80	56.30	53.32	45.06	74.00	-28.94	peak
2	8488.119	12.23	38.32	55.46	52.74	47.83	74.00	-26.17	peak
3	8841.090	12.24	38.50	55.14	51.72	47.32	68.20	-20.88	peak
4	10640.000	13.77	39.34	53.72	47.15	46.54	74.00	-27.46	peak
5	15960.000	17.20	38.64	54.01	45.78	47.61	74.00	-26.39	peak
6	pp16761.290	17.51	39.52	54.23	47.48	50.28	68.20	-17.92	peak

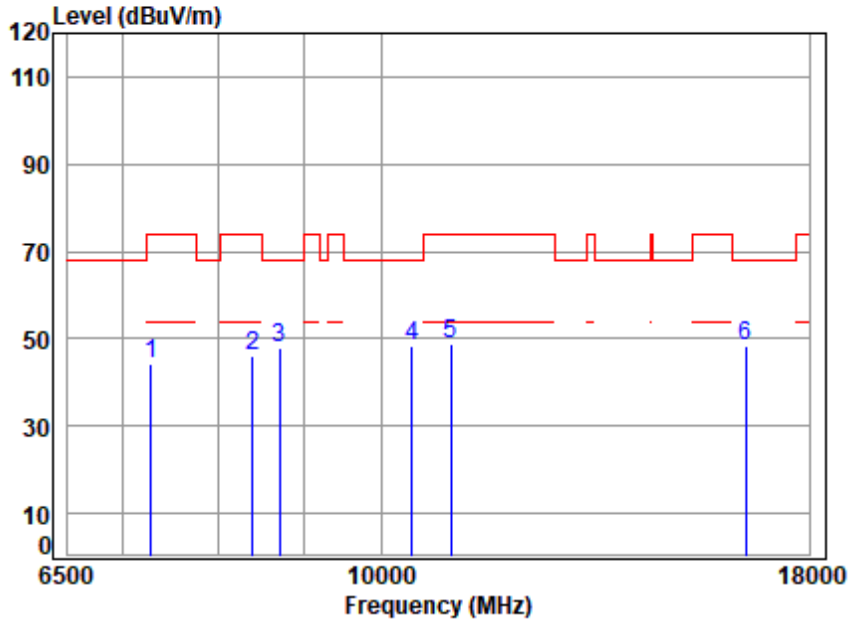
Test Mode: 11; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5500 TX RSE
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7360.057	11.50	36.78	56.41	53.21	45.08	74.00	-28.92	peak
2	8402.101	11.64	38.59	55.54	52.48	47.17	74.00	-26.83	peak
3	8733.685	12.14	38.53	55.24	52.45	47.88	68.20	-20.32	peak
4	pp10196.150	13.10	39.10	53.98	50.08	48.30	68.20	-19.90	peak
5	11000.000	14.17	39.40	53.50	46.68	46.75	74.00	-27.25	peak
6	16500.000	17.74	38.90	54.15	45.26	47.75	68.20	-20.45	peak

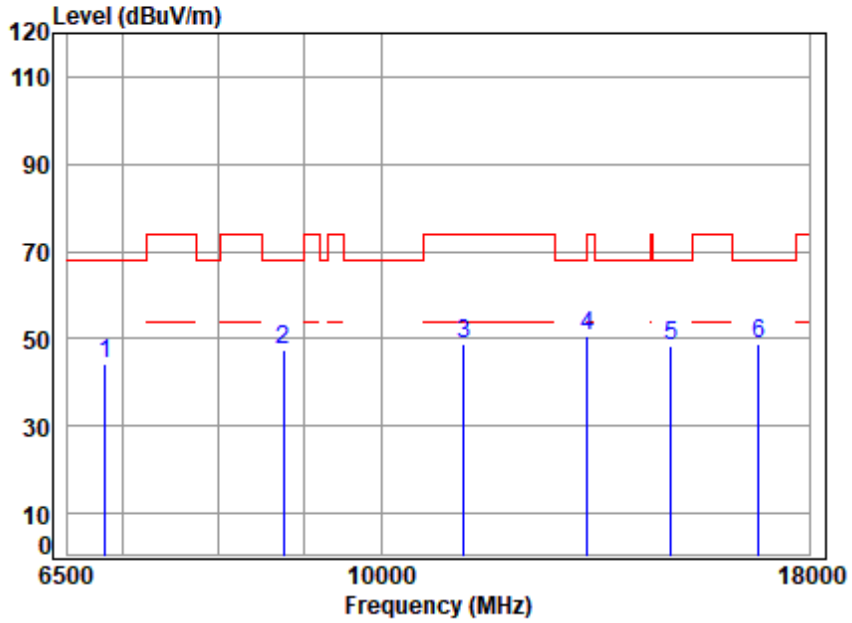
Test Mode: 11; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5500 TX RSE
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7285.470	11.51	36.67	56.47	52.66	44.37	74.00	-29.63	peak
2	8376.465	11.66	38.65	55.56	51.33	46.08	74.00	-27.92	peak
3	8698.174	12.09	38.59	55.27	52.40	47.81	68.20	-20.39	peak
4	10427.210	13.63	39.03	53.84	49.47	48.29	68.20	-19.91	peak
5	11000.000	14.17	39.40	53.50	48.70	48.77	74.00	-25.23	peak
6	pp16500.000	17.74	38.90	54.15	45.82	48.31	68.20	-19.89	peak

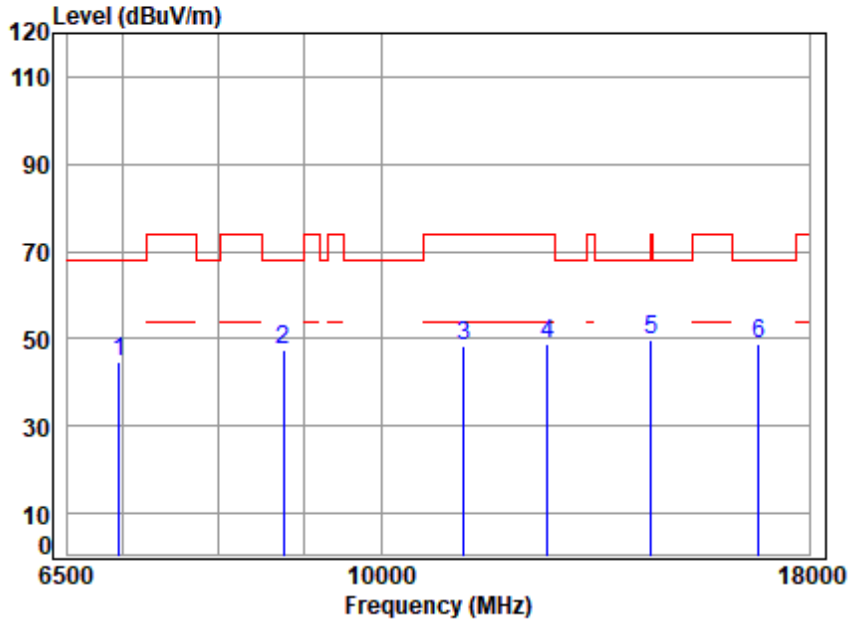
Test Mode: 11; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5600 TX RSE
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6839.609	11.37	35.98	56.73	53.82	44.44	68.20	-23.76	Peak
2	8742.585	12.16	38.51	55.23	51.79	47.23	68.20	-20.97	Peak
3	11200.000	14.76	39.60	53.56	47.87	48.67	74.00	-25.33	Peak
4	13274.160	16.32	40.27	54.47	48.36	50.48	74.00	-23.52	Peak
5	14893.390	16.30	38.91	54.31	47.63	48.53	68.20	-19.67	Peak
6	pp16800.000	17.47	39.59	54.24	45.86	48.68	68.20	-19.52	Peak

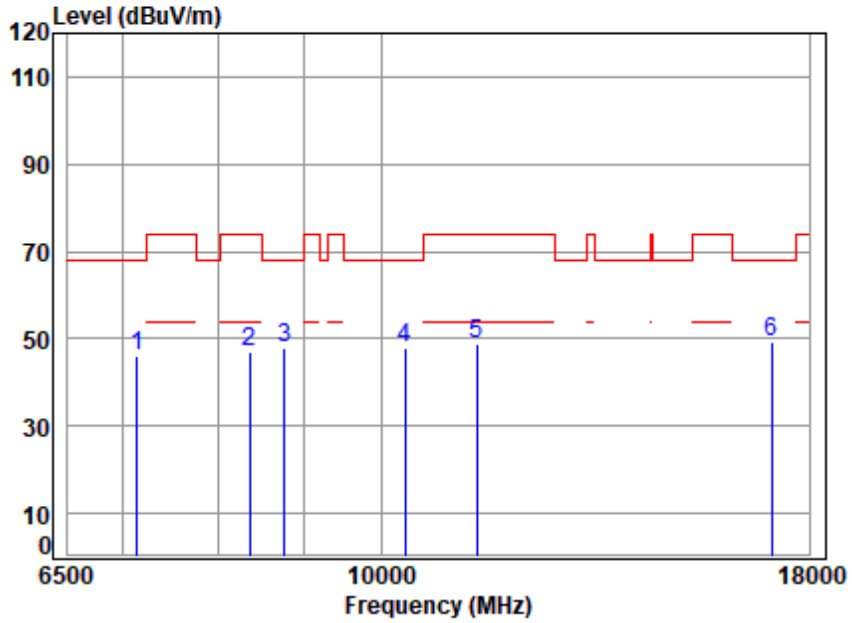
Test Mode: 11; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5600 TX RSE
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6973.265	11.37	36.15	56.71	53.98	44.79	68.20	-23.41	Peak
2	8742.585	12.16	38.51	55.23	52.19	47.63	68.20	-20.57	Peak
3	11200.000	14.76	39.60	53.56	47.62	48.42	74.00	-25.58	Peak
4	12563.760	15.10	40.03	54.19	47.93	48.87	74.00	-25.13	Peak
5	14489.390	17.07	39.51	54.35	47.45	49.68	74.00	-24.32	Peak
6	pp16800.000	17.47	39.59	54.24	46.02	48.84	68.20	-19.36	Peak

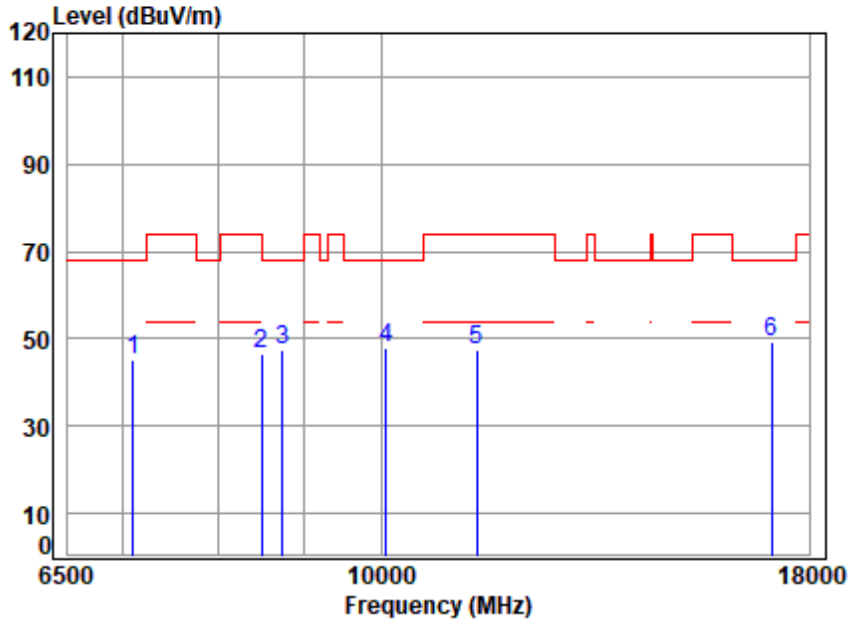
Test Mode: 11; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5700 TX RSE
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7153.113	11.74	36.51	56.58	54.47	46.14	68.20	-22.06	peak
2	8342.406	11.70	38.58	55.59	52.42	47.11	74.00	-26.89	peak
3	8751.494	12.17	38.50	55.22	52.35	47.80	68.20	-20.40	peak
4	10332.060	13.59	39.00	53.90	49.28	47.97	68.20	-20.23	peak
5	11400.000	14.21	39.70	53.62	48.50	48.79	74.00	-25.21	peak
6	pp17100.000	18.47	39.80	54.32	45.33	49.28	68.20	-18.92	peak

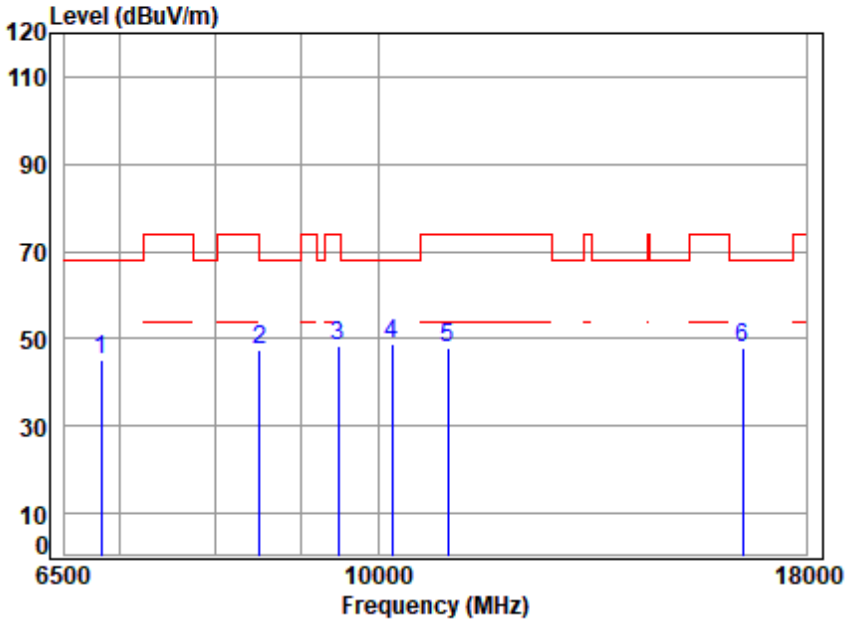
Test Mode: 11; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5700 TX RSE
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7109.531	11.95	36.42	56.61	53.37	45.13	68.20	-23.07	peak
2	8479.478	12.17	38.34	55.47	51.70	46.74	74.00	-27.26	peak
3	8733.685	12.14	38.53	55.24	51.91	47.34	68.20	-20.86	peak
4	10062.030	13.17	39.02	54.06	49.60	47.73	68.20	-20.47	peak
5	11400.000	14.21	39.70	53.62	47.05	47.34	74.00	-26.66	peak
6	pp17100.000	18.47	39.80	54.32	45.27	49.22	68.20	-18.98	peak

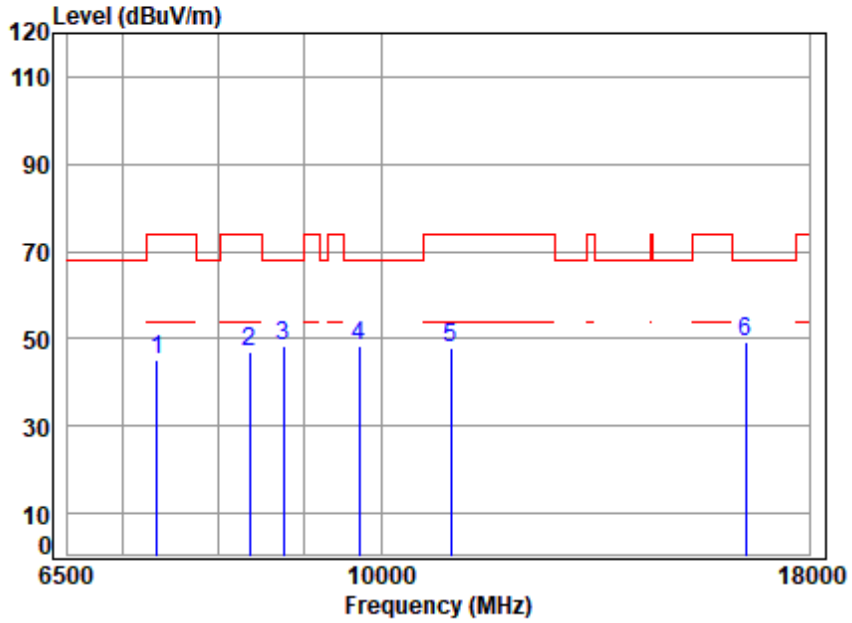
Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5500 TX RSE
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6832.646	11.37	35.97	56.73	54.54	45.15	68.20	-23.05	peak
2	8496.769	12.29	38.31	55.45	52.33	47.48	74.00	-26.52	peak
3	9465.507	12.47	38.83	54.58	51.58	48.30	74.00	-25.70	peak
4	pp10185.770	13.12	39.10	53.99	50.61	48.84	68.20	-19.36	peak
5	11000.000	14.17	39.40	53.50	48.05	48.12	74.00	-25.88	peak
6	16500.000	17.74	38.90	54.15	45.57	48.06	68.20	-20.14	peak

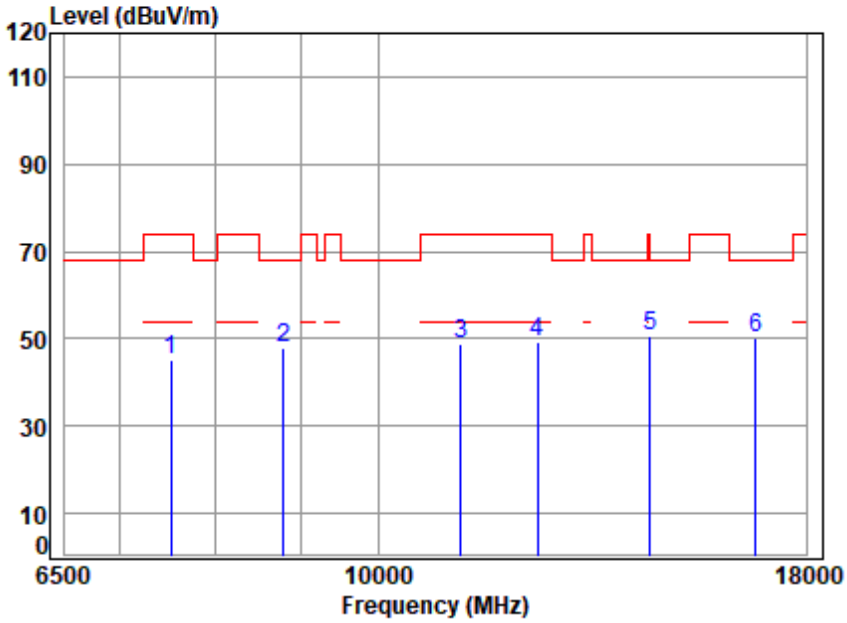
Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5500 TX RSE
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7345.079	11.51	36.79	56.42	53.35	45.23	74.00	-28.77	peak
2	8342.406	11.70	38.58	55.59	52.36	47.05	74.00	-26.95	peak
3	8742.585	12.16	38.51	55.23	52.92	48.36	68.20	-19.84	peak
4	9699.749	12.70	38.70	54.37	51.16	48.19	68.20	-20.01	peak
5	11000.000	14.17	39.40	53.50	47.87	47.94	74.00	-26.06	peak
6	pp16500.000	17.74	38.90	54.15	46.85	49.34	68.20	-18.86	peak

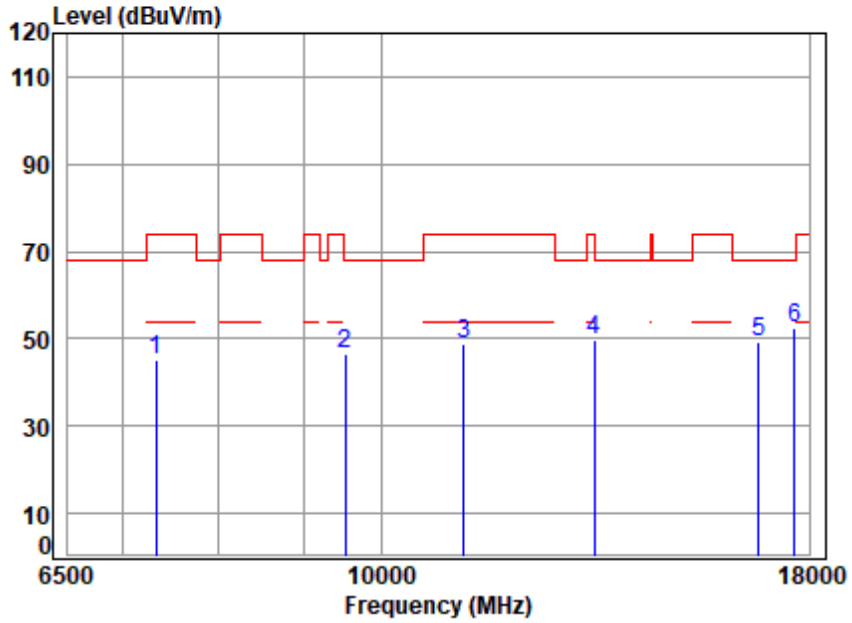
Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5600 TX RSE
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7519.184	11.20	36.80	56.28	53.57	45.29	74.00	-28.71	Peak
2	8778.277	12.22	38.50	55.20	52.20	47.72	68.20	-20.48	Peak
3	11200.000	14.76	39.60	53.56	48.21	49.01	74.00	-24.99	Peak
4	12449.120	15.40	39.90	54.11	47.89	49.08	74.00	-24.92	Peak
5	pp14533.730	16.79	39.43	54.35	48.63	50.50	68.20	-17.70	Peak
6	16800.000	17.47	39.59	54.24	47.42	50.24	68.20	-17.96	Peak

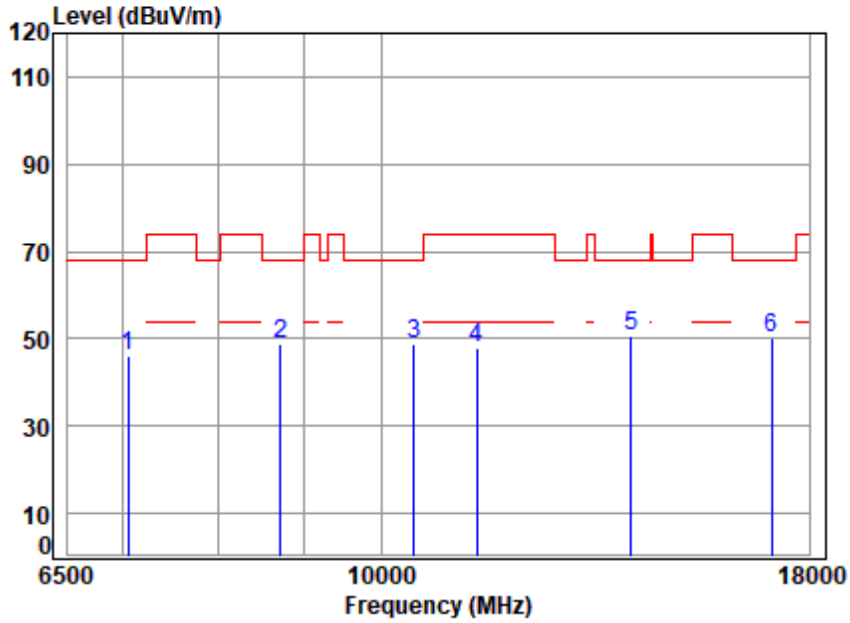
Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5600 TX RSE
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7337.601	11.51	36.78	56.43	53.52	45.38	74.00	-28.62	Peak
2	9513.836	12.54	38.87	54.54	49.77	46.64	68.20	-21.56	Peak
3	11200.000	14.76	39.60	53.56	47.91	48.71	74.00	-25.29	Peak
4	13396.410	15.93	40.30	54.46	47.89	49.66	74.00	-24.34	Peak
5	16800.000	17.47	39.59	54.24	46.41	49.23	68.20	-18.97	Peak
6	pp17655.000	19.41	41.12	54.43	46.19	52.29	68.20	-15.91	Peak

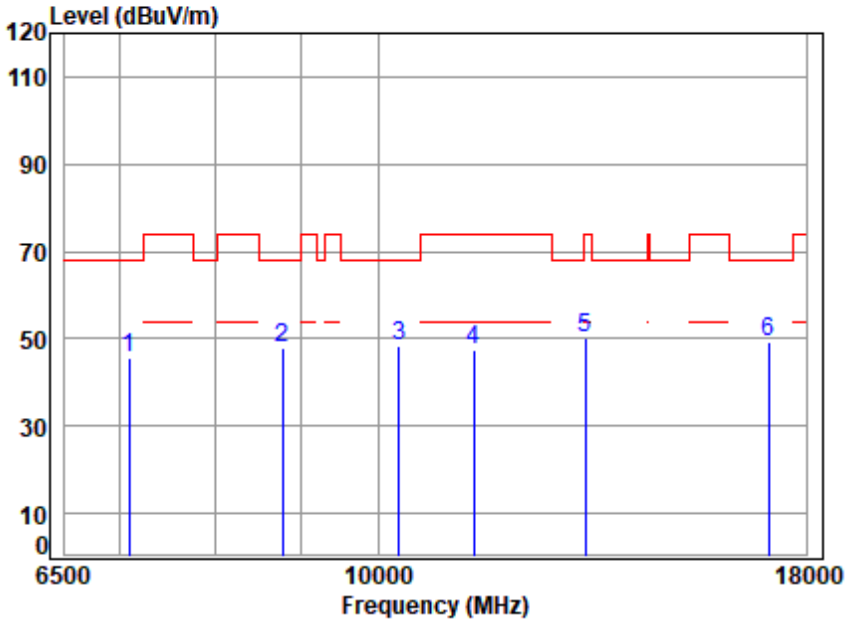
Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5700 TX RSE
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7066.214	11.78	36.33	56.65	54.46	45.92	68.20	-22.28	peak
2	8707.038	12.10	38.59	55.26	53.21	48.64	68.20	-19.56	peak
3	10459.120	13.63	39.06	53.82	50.11	48.98	68.20	-19.22	peak
4	11400.000	14.21	39.70	53.62	47.81	48.10	74.00	-25.90	peak
5	pp14096.340	16.58	39.90	54.39	48.72	50.81	68.20	-17.39	Peak
6	17100.000	18.47	39.80	54.32	46.36	50.31	68.20	-17.89	peak

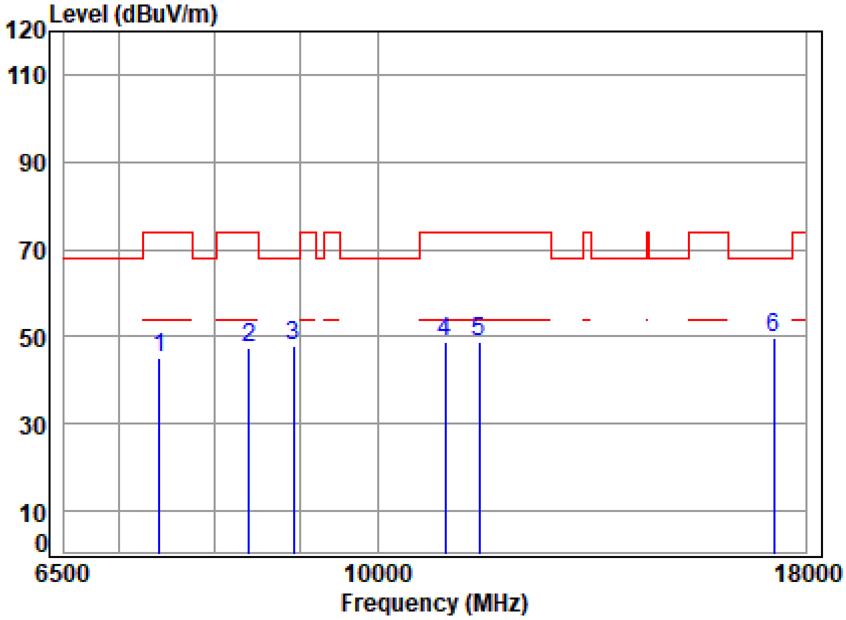
Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5700 TX RSE
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7102.293	11.98	36.40	56.62	54.07	45.83	68.20	-22.37	peak
2	8769.341	12.20	38.50	55.21	52.62	48.11	68.20	-20.09	peak
3	10290.050	13.53	39.01	53.93	49.70	48.31	68.20	-19.89	peak
4	11400.000	14.21	39.70	53.62	47.21	47.50	74.00	-26.50	peak
5	13287.690	16.43	40.29	54.47	47.87	50.12	74.00	-23.88	Peak
6	pp17100.000	18.47	39.80	54.32	45.36	49.31	68.20	-18.89	peak

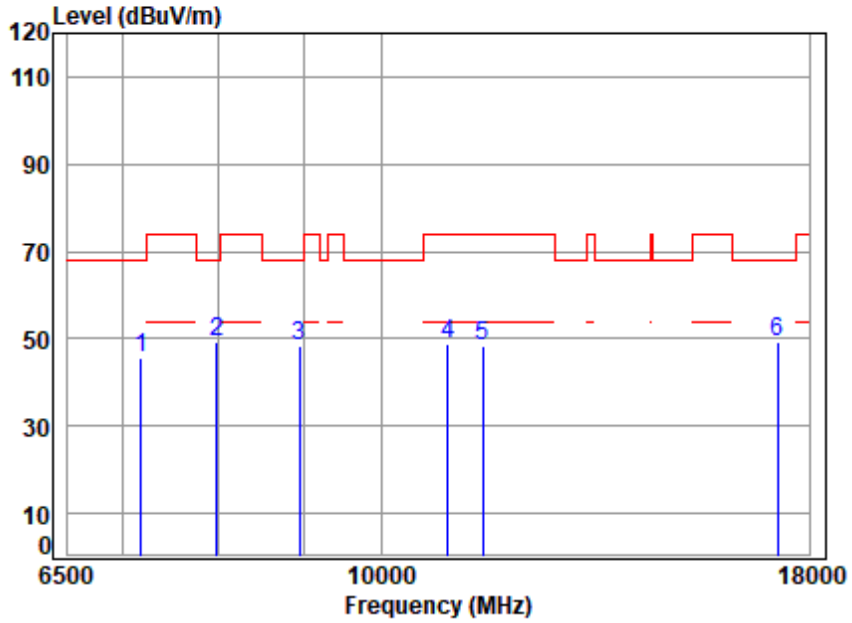
Test Mode: 12; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03809WM/03810WM
Mode : 5745 TX RSE
: 5.8G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7412.722	11.47	36.73	56.37	53.56	45.39	74.00	-28.61	peak
2	8385.002	11.65	38.63	55.55	52.91	47.64	74.00	-26.36	peak
3	8913.427	12.21	38.57	55.08	52.37	48.07	68.20	-20.13	peak
4	10972.000	14.11	39.37	53.52	49.03	48.99	74.00	-25.01	peak
5	11490.000	14.97	39.61	53.65	47.72	48.65	74.00	-25.35	peak
6	pp17235.000	17.83	40.01	54.35	46.23	49.72	68.20	-18.48	peak

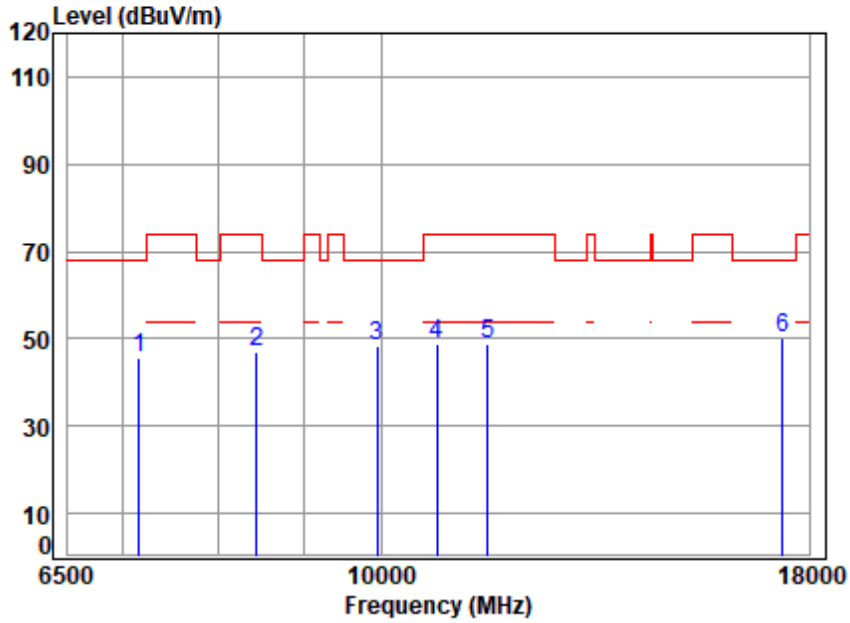
Test Mode: 12; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03809WM/03810WM
Mode : 5745 TX RSE
: 5.8G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7189.636	11.57	36.58	56.55	53.89	45.49	68.20	-22.71	peak
2	7976.779	11.56	37.75	55.92	55.88	49.27	68.20	-18.93	peak
3	8931.603	12.20	38.54	55.06	52.48	48.16	68.20	-20.04	peak
4	10960.830	14.09	39.36	53.52	48.74	48.67	74.00	-25.33	peak
5	11490.000	14.97	39.61	53.65	47.51	48.44	74.00	-25.56	peak
6	pp17235.000	17.83	40.01	54.35	45.89	49.38	68.20	-18.82	peak

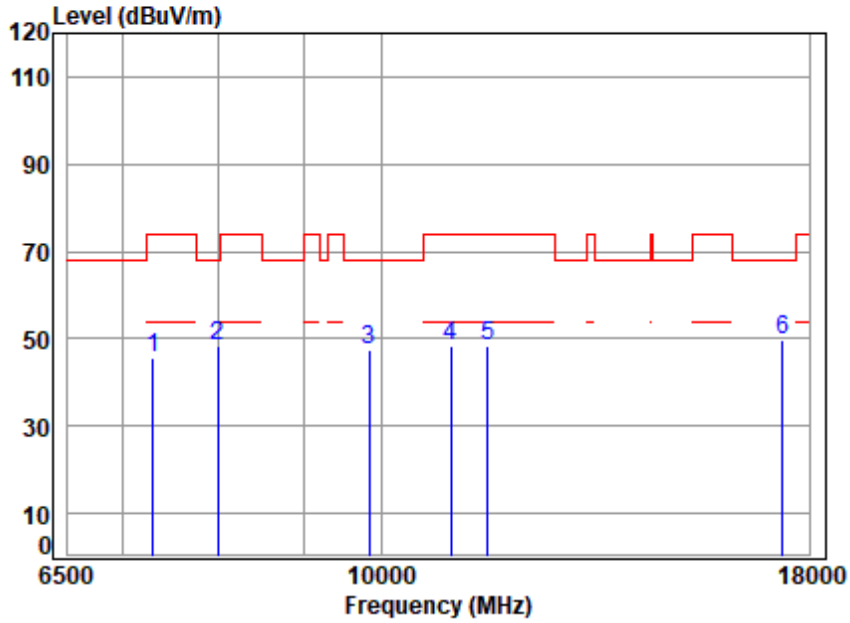
Test Mode: 12; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL
Job No : 03809WM/03810WM
Mode : 5785 TX RSE
: 5.8G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7167.700	11.67	36.54	56.57	53.89	45.53	68.20	-22.67	peak
2	8427.813	11.82	38.49	55.51	52.25	47.05	74.00	-26.95	peak
3	9939.788	12.88	38.90	54.15	50.52	48.15	68.20	-20.05	peak
4	10794.640	13.70	39.31	53.62	49.36	48.75	74.00	-25.25	peak
5	11570.000	14.78	39.60	53.67	48.17	48.88	74.00	-25.12	peak
6	pp17355.000	18.00	40.31	54.37	46.06	50.00	68.20	-18.20	peak

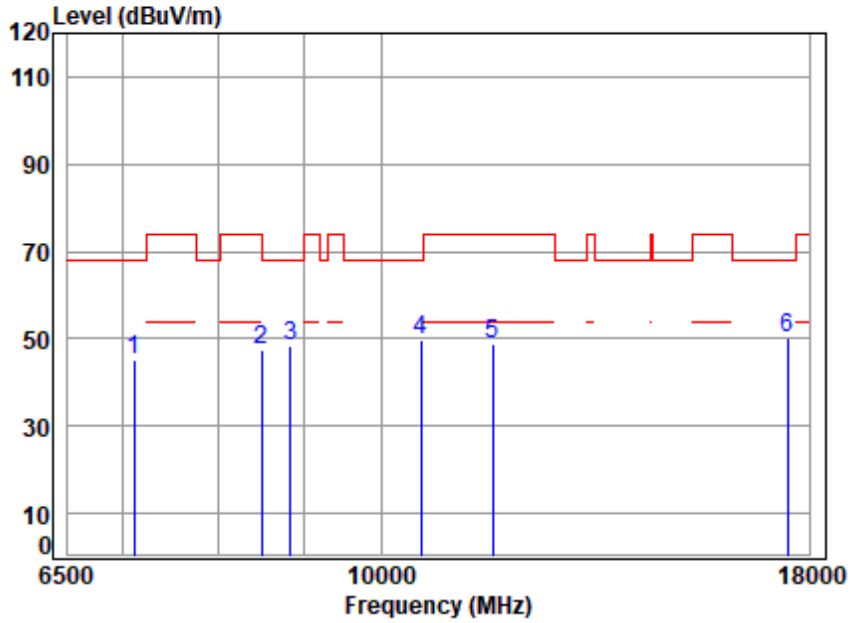
Test Mode: 12; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL
Job No : 03809WM/03810WM
Mode : 5785 TX RSE
: 5.8G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7307.767	11.51	36.72	56.45	53.90	45.68	74.00	-28.32	peak
2	7984.908	11.56	37.77	55.91	55.10	48.52	68.20	-19.68	peak
3	9839.059	12.98	37.98	54.24	50.83	47.55	68.20	-20.65	peak
4	11005.580	14.20	39.41	53.50	48.35	48.46	74.00	-25.54	peak
5	11570.000	14.78	39.60	53.67	47.54	48.25	74.00	-25.75	peak
6	pp17355.000	18.00	40.31	54.37	45.90	49.84	68.20	-18.36	peak

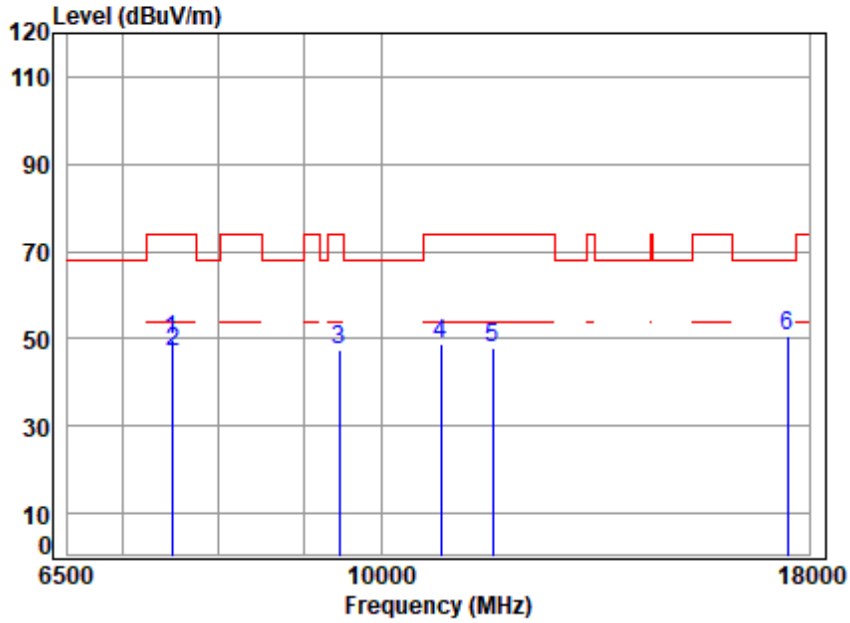
Test Mode: 12; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03809WM/03810WM
Mode : 5825 TX RSE
: 5.8G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7124.029	11.88	36.45	56.60	53.40	45.13	68.20	-23.07	peak
2	8488.119	12.23	38.32	55.46	52.32	47.41	74.00	-26.59	peak
3	8832.090	12.24	38.50	55.15	52.64	48.23	68.20	-19.97	peak
4	10555.440	13.61	39.21	53.77	50.57	49.62	68.20	-18.58	peak
5	11650.000	14.69	39.55	53.69	48.06	48.61	74.00	-25.39	peak
6	pp17475.000	18.35	40.78	54.40	45.41	50.14	68.20	-18.06	peak

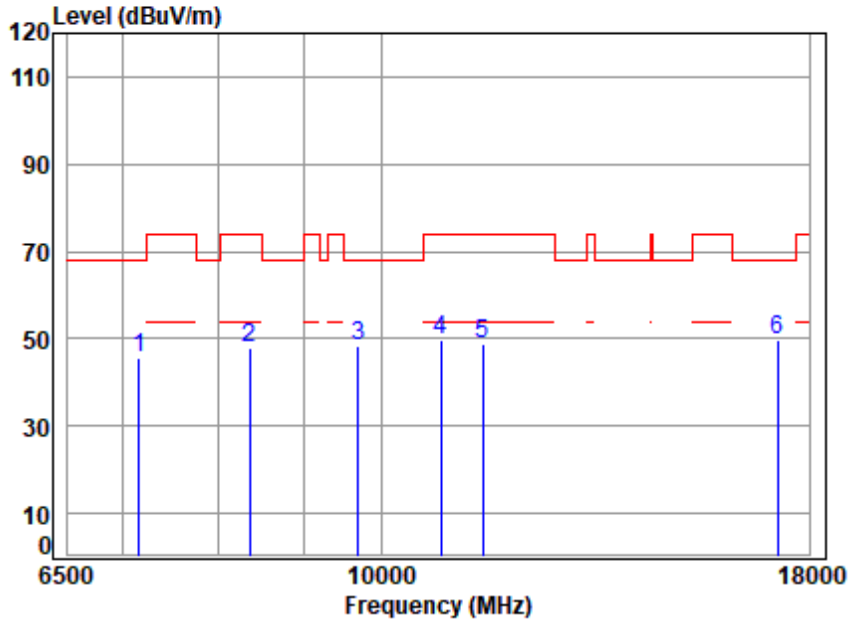
Test Mode: 12; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03809WM/03810WM
Mode : 5825 TX RSE
: 5.8G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7496.243	11.24	36.80	56.30	57.77	49.51	74.00	-24.49	peak
2	7511.529	11.21	36.80	56.29	55.37	47.09	74.00	-26.91	peak
3	9436.627	12.40	38.80	54.61	50.98	47.57	74.00	-26.43	peak
4	10860.810	13.85	39.30	53.58	49.45	49.02	74.00	-24.98	peak
5	11650.000	14.69	39.55	53.69	47.24	47.79	74.00	-26.21	peak
6	pp17475.000	18.35	40.78	54.40	45.80	50.53	68.20	-17.67	peak

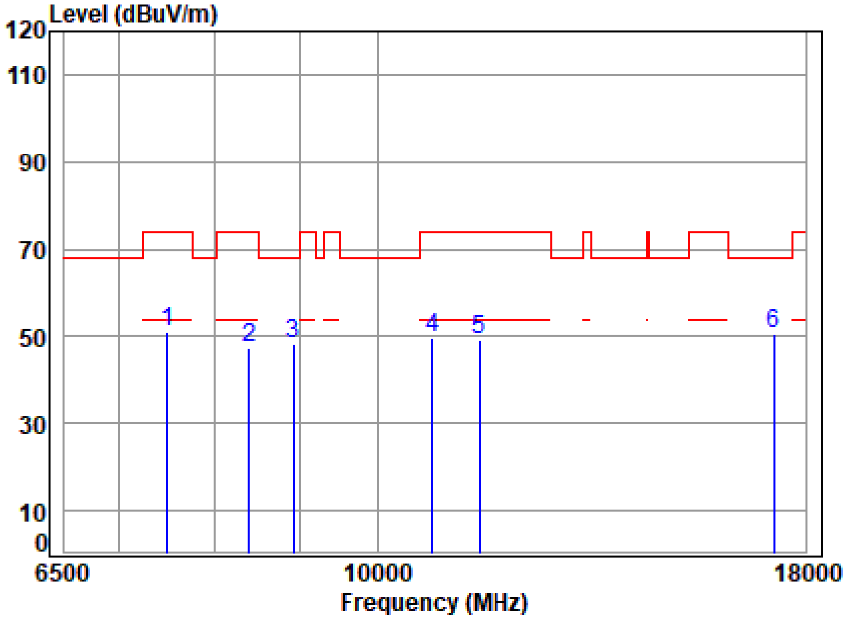
Test Mode: 12; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03809WM/03810WM
Mode : 5745 TX RSE
: 5.8G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7167.700	11.67	36.54	56.57	54.17	45.81	68.20	-22.39	peak
2	8350.908	11.69	38.70	55.58	52.90	47.71	74.00	-26.29	peak
3	9689.874	12.67	38.70	54.38	51.58	48.57	68.20	-19.63	peak
4	10860.810	13.85	39.30	53.58	50.17	49.74	74.00	-24.26	peak
5	11490.000	14.97	39.61	53.65	48.08	49.01	74.00	-24.99	peak
6	pp17235.000	17.83	40.01	54.35	46.45	49.94	68.20	-18.26	peak

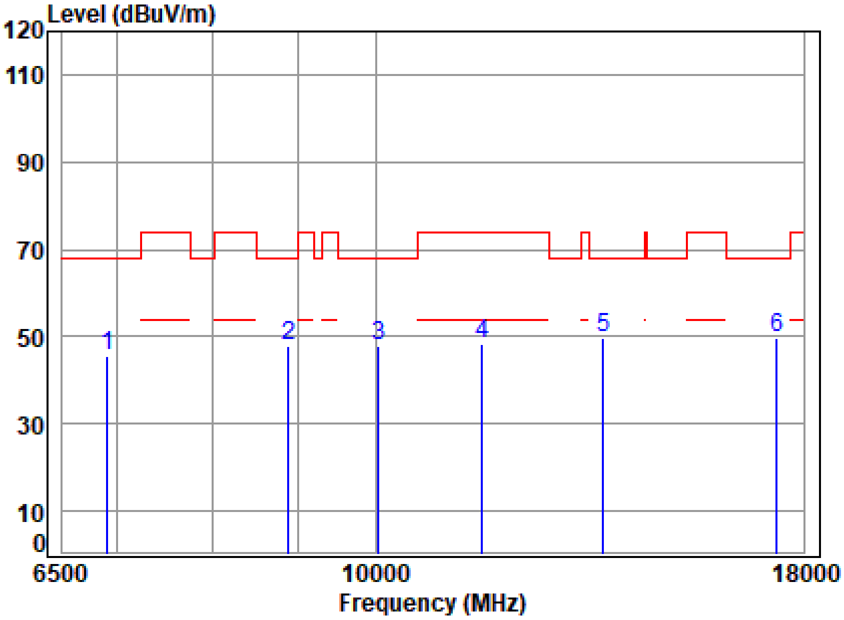
Test Mode: 12; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03809WM/03810WM
Mode : 5745 TX RSE
: 5.8G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7488.611	11.26	36.80	56.31	59.16	50.91	74.00	-23.09	peak
2	8385.002	11.65	38.63	55.55	52.93	47.66	74.00	-26.34	peak
3	8913.427	12.21	38.57	55.08	52.88	48.58	68.20	-19.62	peak
4	10783.650	13.74	39.32	53.63	50.16	49.59	74.00	-24.41	peak
5	11490.000	14.97	39.61	53.65	48.27	49.20	74.00	-24.80	peak
6	pp17235.000	17.83	40.01	54.35	47.34	50.83	68.20	-17.37	peak

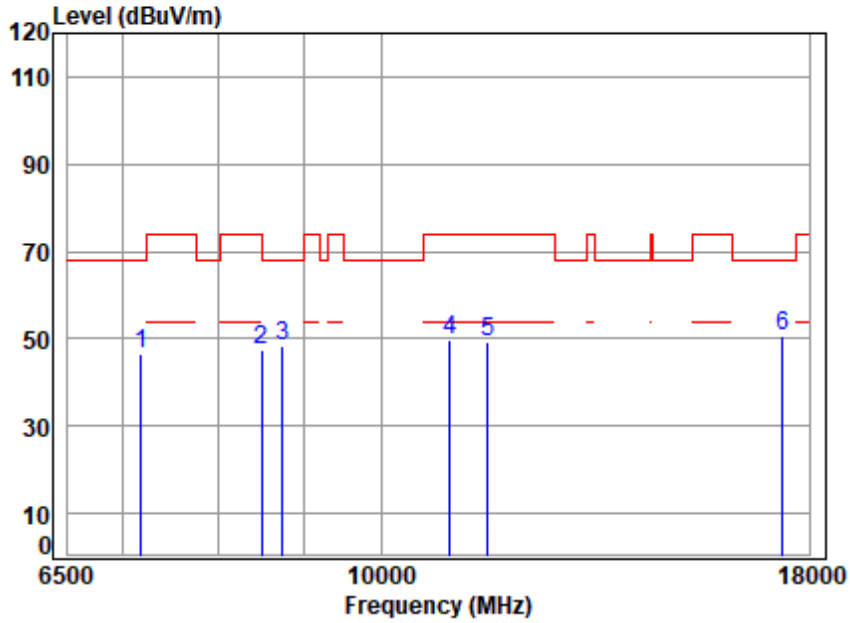
Test Mode: 12; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL
Job No : 03809WM/03810WM
Mode : 5785 TX RSE
: 5.8G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6916.673	11.37	36.17	56.72	54.78	45.60	68.20	-22.60	peak
2	8877.185	12.23	38.55	55.11	52.02	47.69	68.20	-20.51	Peak
3	10041.550	13.12	38.98	54.08	50.03	48.05	68.20	-20.15	Peak
4	11570.000	14.78	39.60	53.67	47.81	48.52	74.00	-25.48	peak
5	pp13672.110	16.23	40.00	54.43	48.10	49.90	68.20	-18.30	Peak
6	17355.000	18.00	40.31	54.37	45.86	49.80	68.20	-18.40	peak

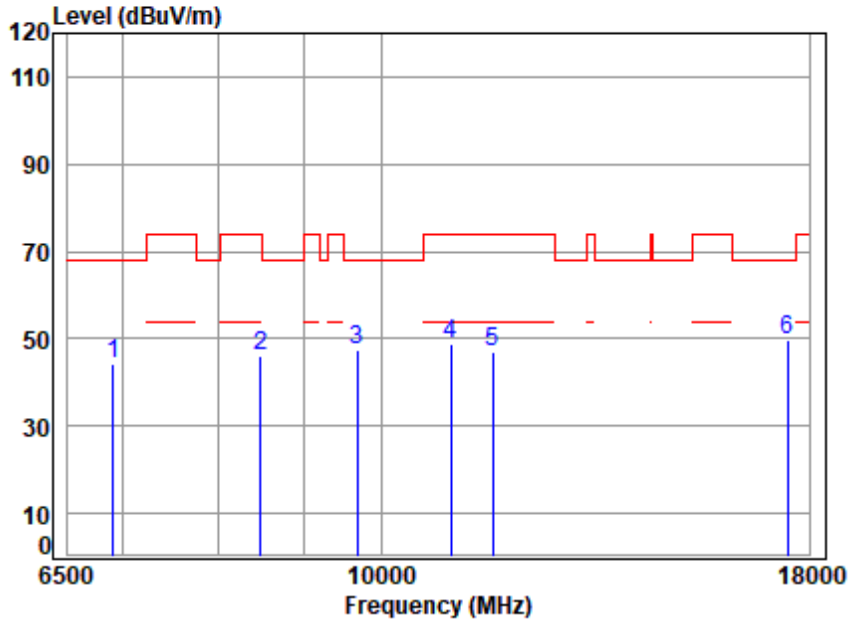
Test Mode: 12; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL
Job No : 03809WM/03810WM
Mode : 5785 TX RSE
: 5.8G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7189.636	11.57	36.58	56.55	55.00	46.60	68.20	-21.60	peak
2	8488.119	12.23	38.32	55.46	52.38	47.47	74.00	-26.53	peak
3	8733.685	12.14	38.53	55.24	52.86	48.29	68.20	-19.91	peak
4	10994.380	14.16	39.39	53.50	49.77	49.82	74.00	-24.18	peak
5	11570.000	14.78	39.60	53.67	48.45	49.16	74.00	-24.84	peak
6	pp17355.000	18.00	40.31	54.37	46.68	50.62	68.20	-17.58	peak

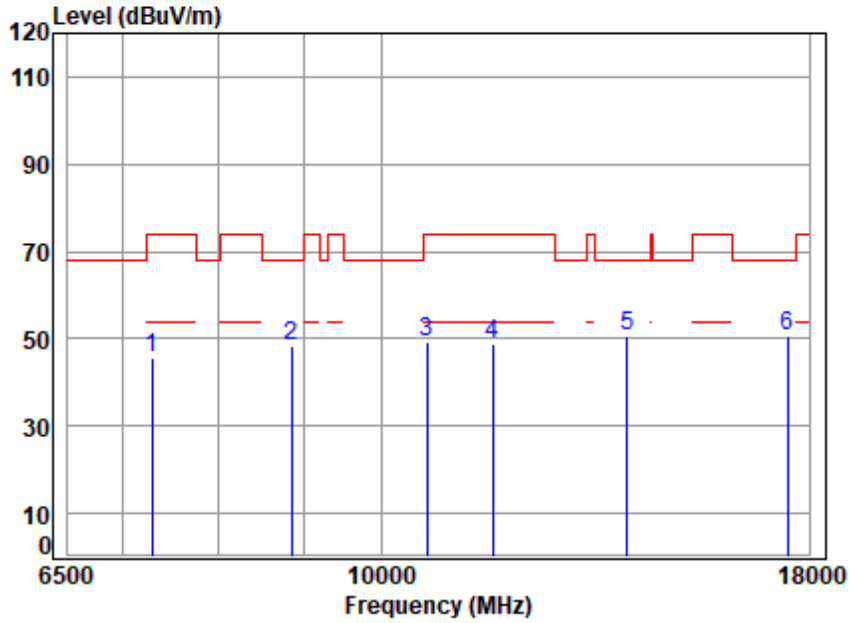
Test Mode: 12; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03809WM/03810WM
Mode : 5825 TX RSE
: 5.8G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6916.673	11.37	36.17	56.72	53.55	44.37	68.20	-23.83	peak
2	8470.845	12.11	38.36	55.48	51.13	46.12	74.00	-27.88	peak
3	9680.010	12.65	38.70	54.39	50.68	47.64	68.20	-20.56	peak
4	11005.580	14.20	39.41	53.50	48.83	48.94	74.00	-25.06	peak
5	11650.000	14.69	39.55	53.69	46.48	47.03	74.00	-26.97	peak
6	pp17475.000	18.35	40.78	54.40	44.94	49.67	68.20	-18.53	peak

Test Mode: 12; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03809WM/03810WM
Mode : 5825 TX RSE
: 5.8G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7300.327	11.51	36.70	56.46	53.74	45.49	74.00	-28.51	peak
2	8841.090	12.24	38.50	55.14	52.99	48.59	68.20	-19.61	peak
3	10641.800	13.78	39.34	53.71	50.08	49.49	74.00	-24.51	peak
4	11650.000	14.69	39.55	53.69	48.32	48.87	74.00	-25.13	peak
5	14010.450	16.48	39.90	54.40	48.66	50.64	68.20	-17.56	Peak
6	pp17475.000	18.35	40.78	54.40	46.09	50.82	68.20	-17.38	peak

7.5 Radiated Emissions which fall in the restricted bands

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

Test Method: 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.

7.5.1 E.U.T. Operation

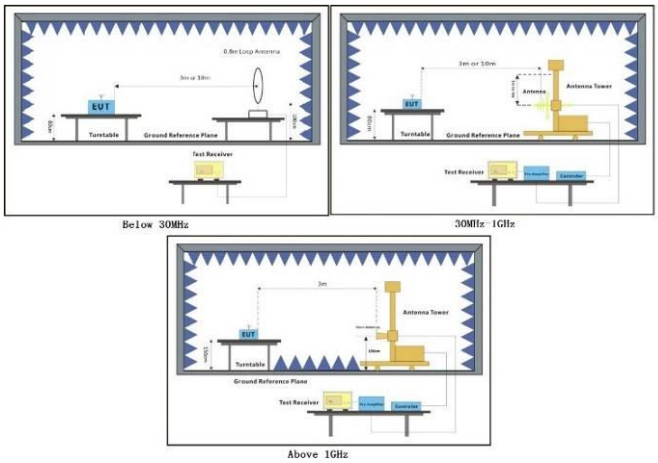
Operating Environment:

Temperature: 23.5 °C Humidity: 60.1 % RH Atmospheric Pressure: 1020 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	09	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	10	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	11	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	12	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.

d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

h. Test the EUT in the lowest channel, the middle channel, the Highest channel.

i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

j. Repeat above procedures until all frequencies measured was complete.

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 ≥1/T (Duty cycle＜98%) or 10Hz (Duty cycle≥98%) for Average detection (AV) at frequency above 1GHz.

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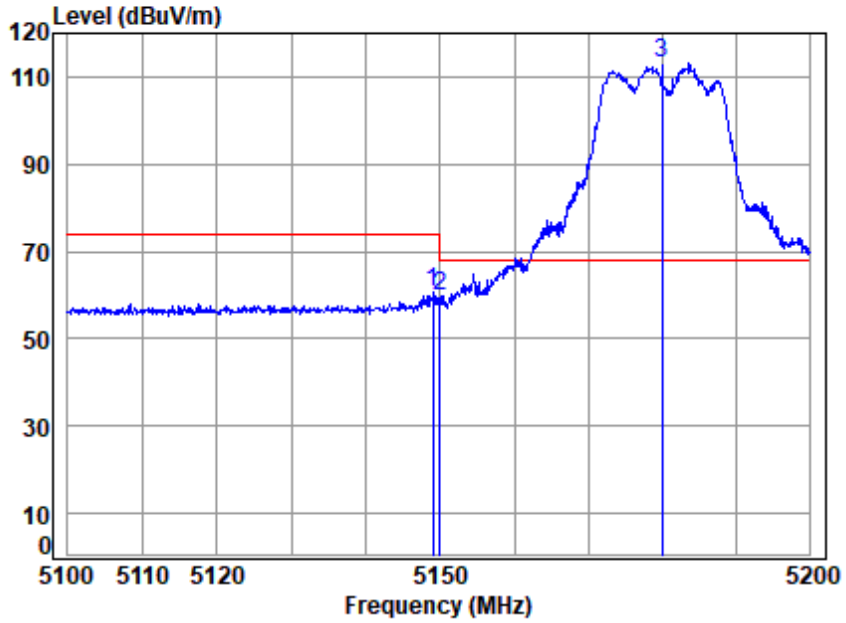
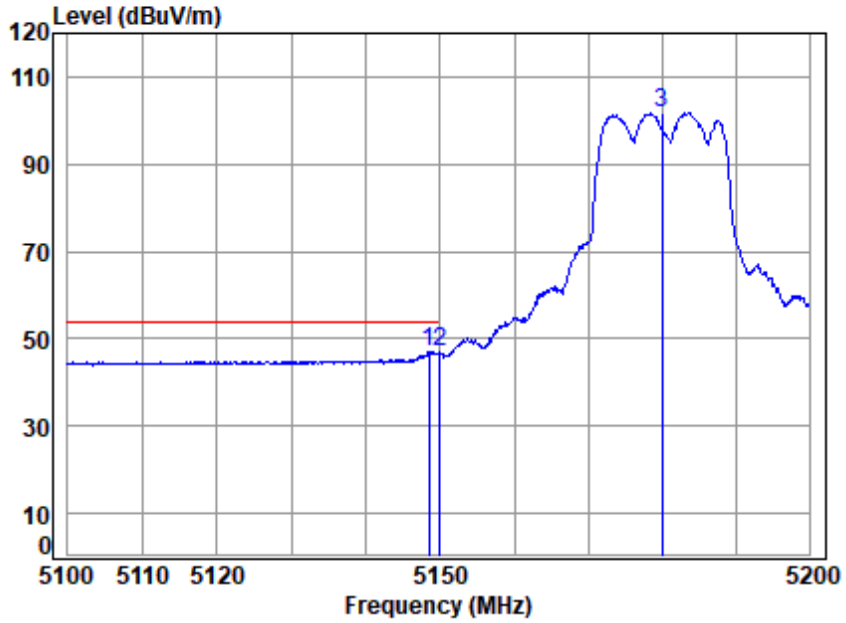
Test Mode: 09; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5180 Band edge
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.057	10.14	32.40	30.84	48.82	60.52	74.00	-13.48	peak
2	5149.980	10.14	32.40	30.84	48.24	59.94	74.00	-14.06	peak
3 pp	5180.000	10.25	32.46	30.83	101.13	113.01	68.20	44.81	peak

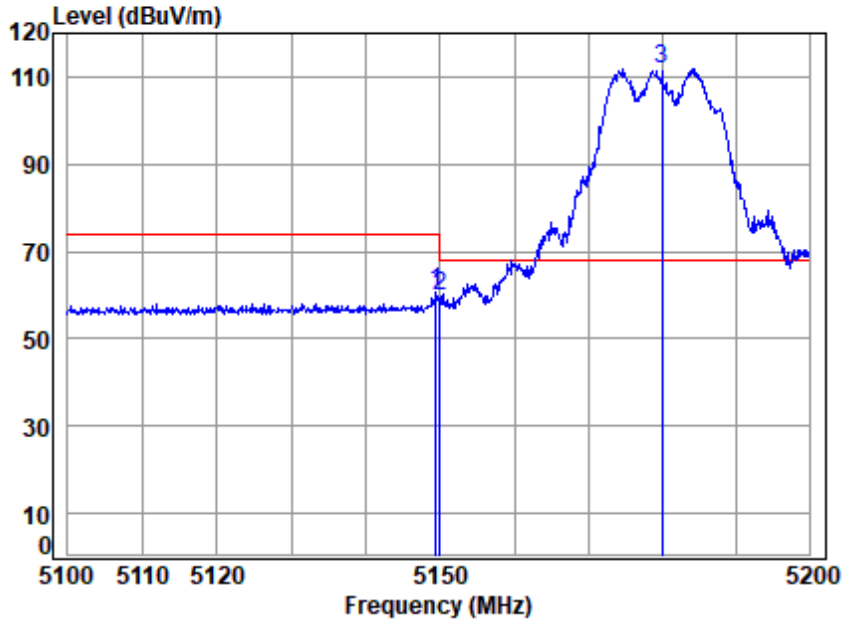
Test Mode: 09; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5180 Band edge
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5148.458	10.13	32.40	30.84	35.41	47.10	54.00	-6.90	Average
2	5149.980	10.14	32.40	30.84	35.19	46.89	54.00	-7.11	Average
3	5180.000	10.25	32.46	30.83	89.98	101.86	------	------	Average

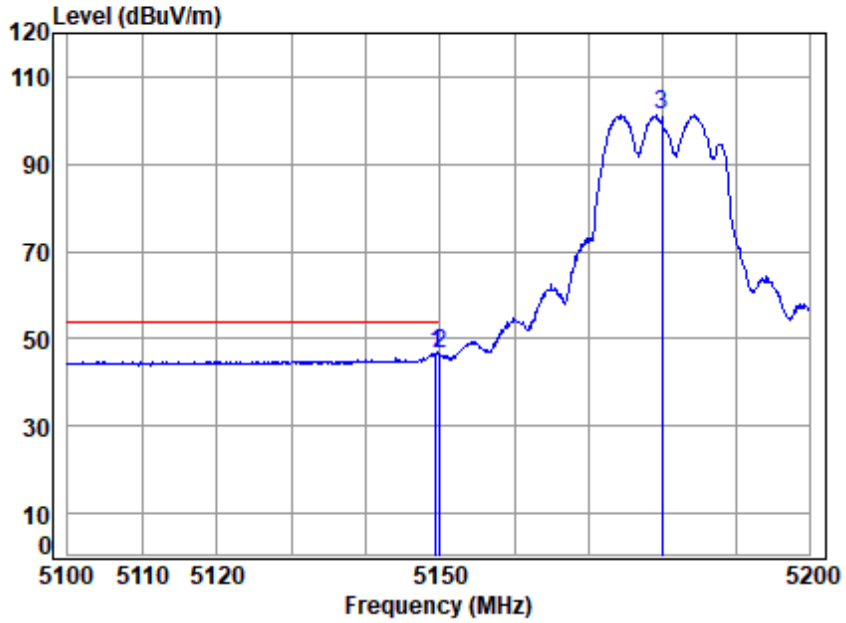
Test Mode: 09; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5180 Band edge
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.458	10.14	32.40	30.84	49.03	60.73	74.00	-13.27	Peak
2	5149.980	10.14	32.40	30.84	47.96	59.66	74.00	-14.34	Peak
3 pp	5180.000	10.25	32.46	30.83	99.89	111.77	68.20	43.57	Peak

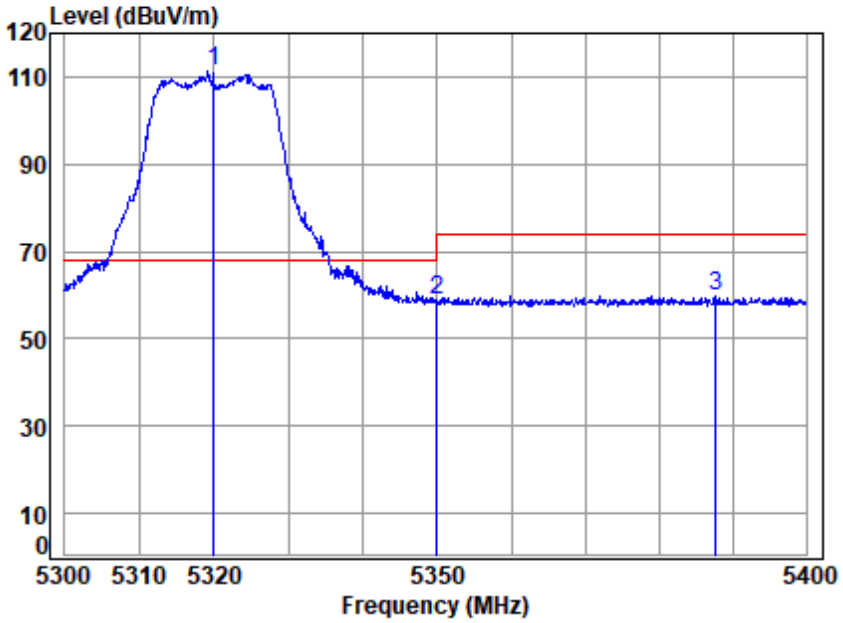
Test Mode: 09; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5180 Band edge
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.458	10.14	32.40	30.84	34.78	46.48	54.00	-7.52	Average
2 pp	5149.980	10.14	32.40	30.84	35.01	46.71	54.00	-7.29	Average
3	5180.000	10.25	32.46	30.83	89.27	101.15	------	------	Average

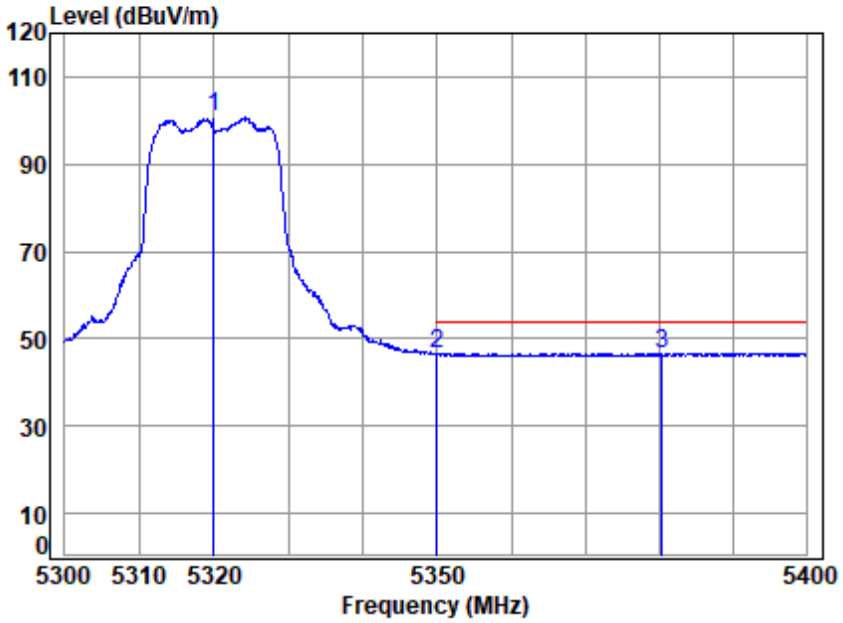
Test Mode: 10; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5320 Band edge
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5320.000	10.35	32.74	30.77	99.08	111.40	68.20	43.20	peak
2	5350.020	10.45	32.80	30.76	46.17	58.66	74.00	-15.34	peak
3	5387.700	10.58	32.80	30.74	47.36	60.00	74.00	-14.00	peak

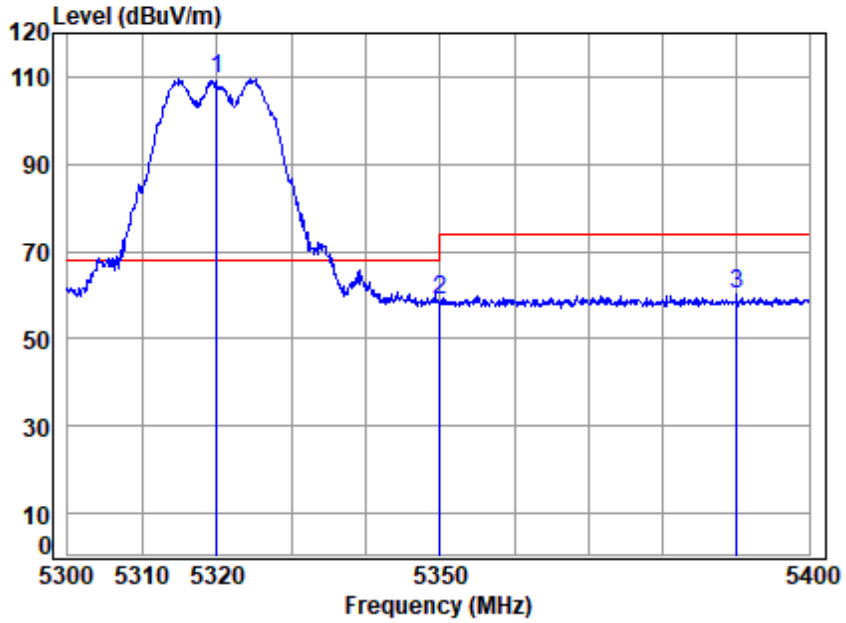
Test Mode: 10; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5320 Band edge
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	10.35	32.74	30.77	88.40	100.72	------	------	Average
2	5350.020	10.45	32.80	30.76	33.96	46.45	54.00	-7.55	Average
3 pp	5380.454	10.55	32.80	30.75	34.11	46.71	54.00	-7.29	Average

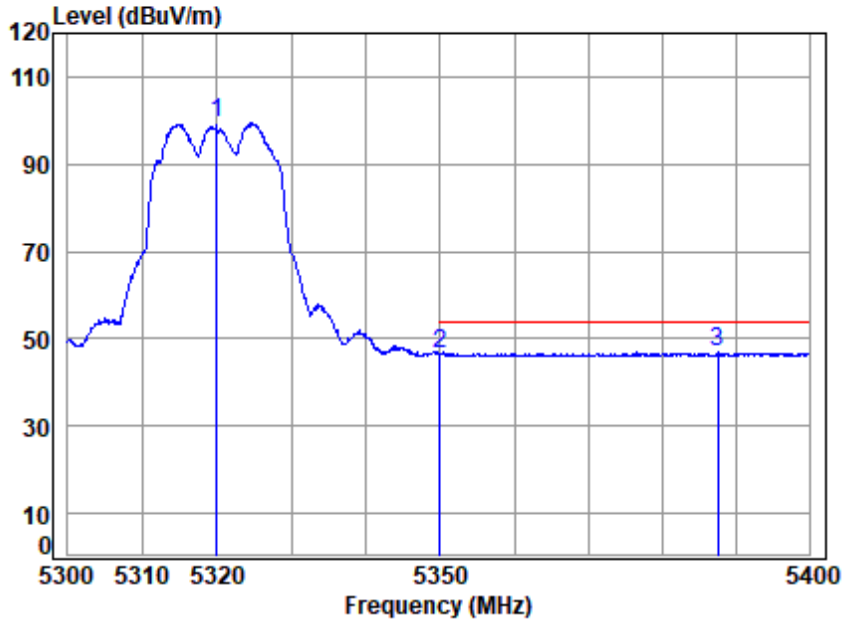
Test Mode: 10; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5320 Band edge
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5320.000	10.35	32.74	30.77	97.11	109.43	68.20	41.23	Peak
2	5350.020	10.45	32.80	30.76	46.49	58.98	74.00	-15.02	Peak
3	5390.117	10.59	32.80	30.74	47.41	60.06	74.00	-13.94	Peak

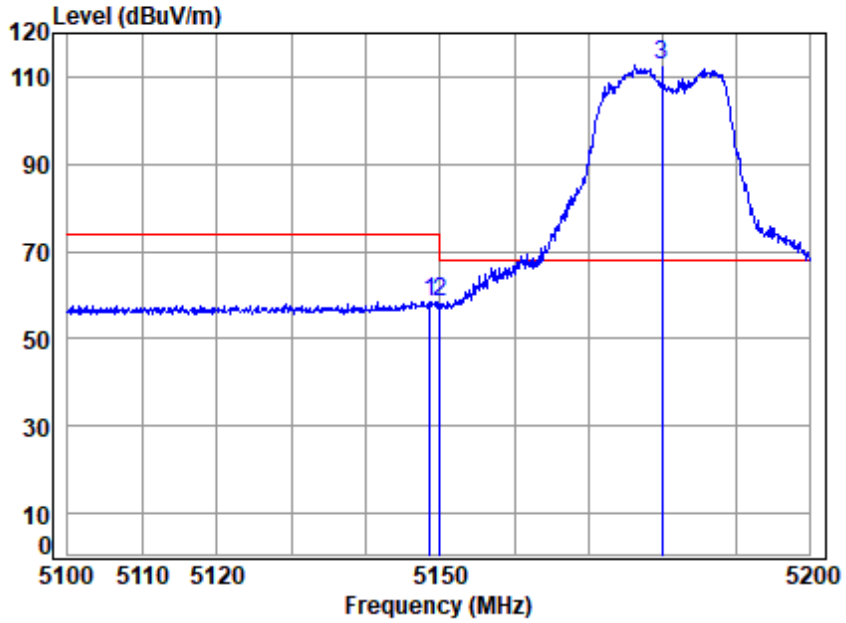
Test Mode: 10; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5320 Band edge
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	10.35	32.74	30.77	87.08	99.40	------	------	Average
2	5350.020	10.45	32.80	30.76	34.20	46.69	54.00	-7.31	Average
3 pp	5387.599	10.58	32.80	30.74	34.25	46.89	54.00	-7.11	Average

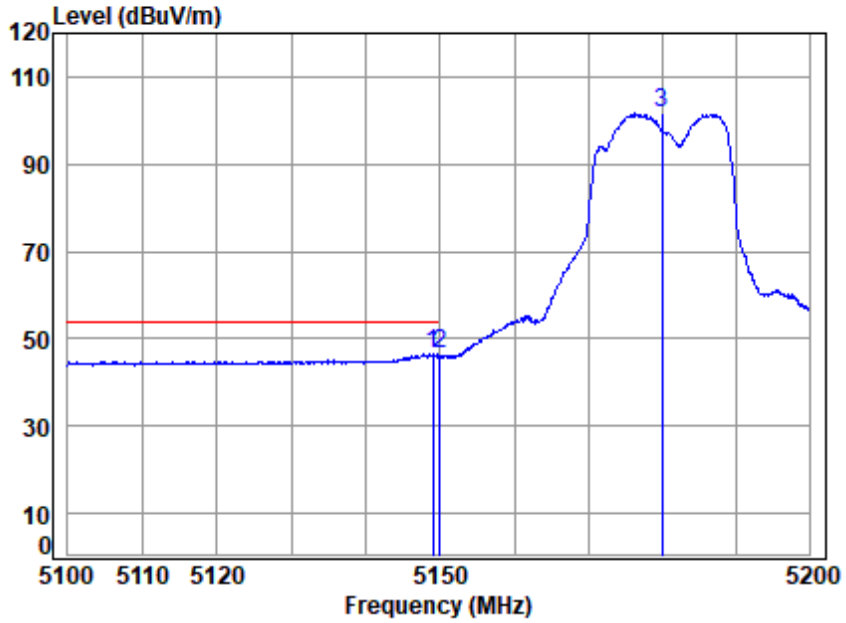
Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5180 Band edge
: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.657	10.13	32.40	30.84	46.82	58.51	74.00	-15.49	peak
2	5149.980	10.14	32.40	30.84	46.82	58.52	74.00	-15.48	peak
3 pp	5180.000	10.25	32.46	30.83	100.64	112.52	68.20	44.32	peak

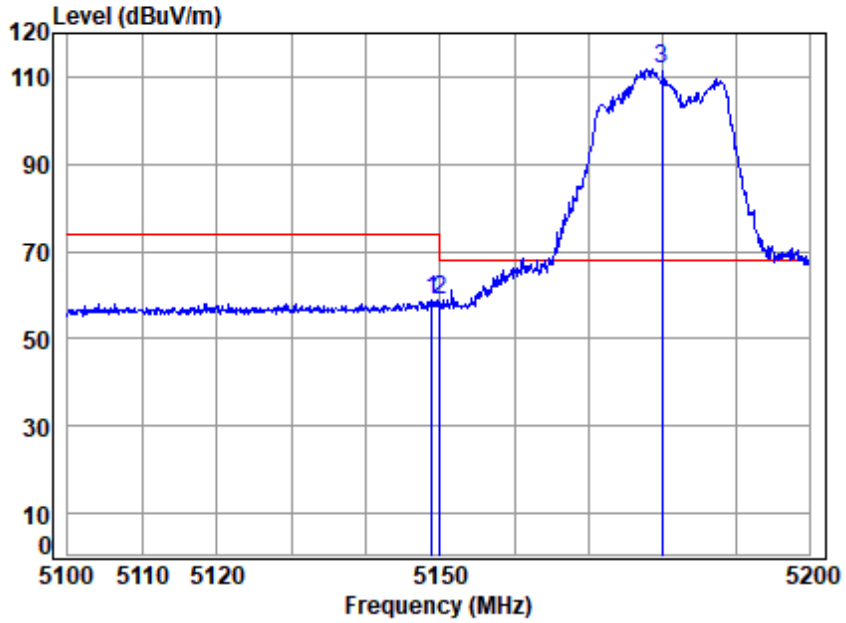
Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5180 Band edge
: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5149.057	10.14	32.40	30.84	34.82	46.52	54.00	-7.48	Average
2	5149.980	10.14	32.40	30.84	34.64	46.34	54.00	-7.66	Average
3	5180.000	10.25	32.46	30.83	89.68	101.56	------	------	Average

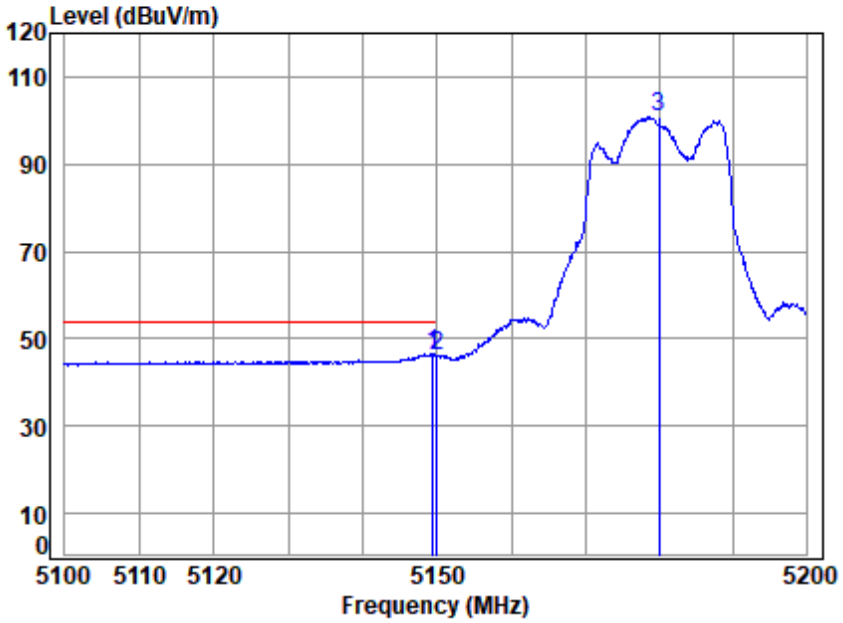
Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5180 Band edge
: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.857	10.14	32.40	30.84	47.31	59.01	74.00	-14.99	Peak
2	5149.980	10.14	32.40	30.84	47.01	58.71	74.00	-15.29	Peak
3 pp	5180.000	10.25	32.46	30.83	99.74	111.62	68.20	43.42	Peak

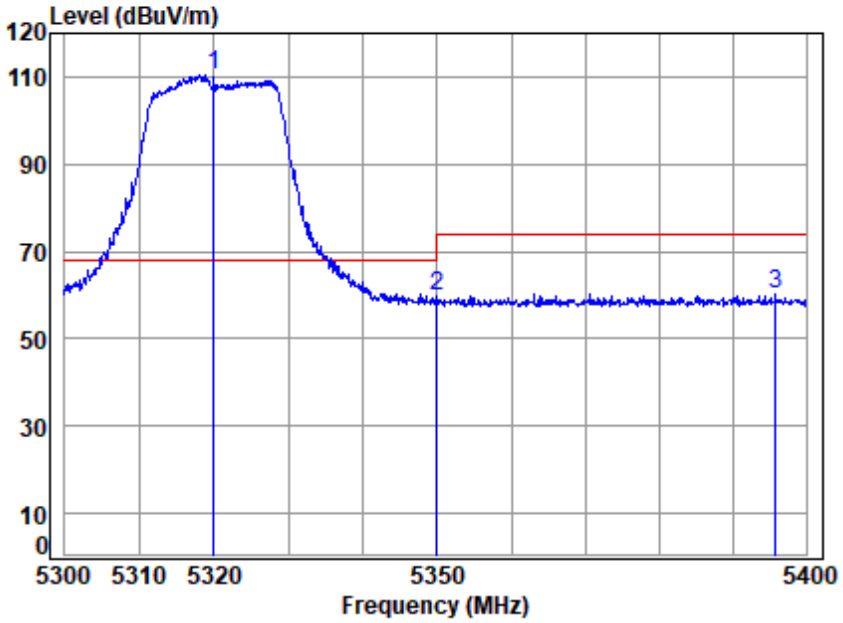
Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5180 Band edge
: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5149.357	10.14	32.40	30.84	34.78	46.48	54.00	-7.52	Average
2	5149.980	10.14	32.40	30.84	34.61	46.31	54.00	-7.69	Average
3	5180.000	10.25	32.46	30.83	89.00	100.88	------	------	Average

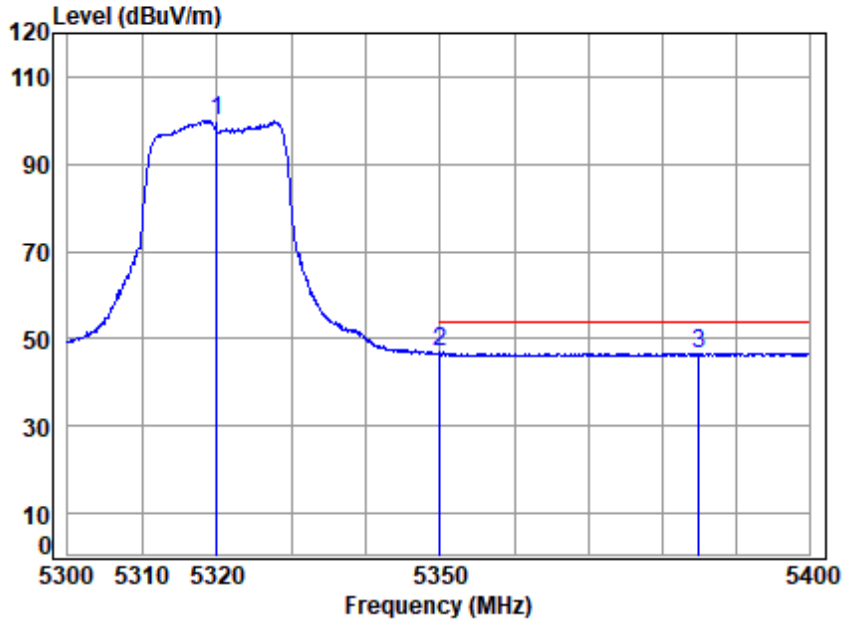
Test Mode: 10; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5320 Band edge
: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5320.000	10.35	32.74	30.77	98.25	110.57	68.20	42.37	peak
2	5350.020	10.45	32.80	30.76	47.07	59.56	74.00	-14.44	peak
3	5395.863	10.61	32.80	30.74	47.65	60.32	74.00	-13.68	peak

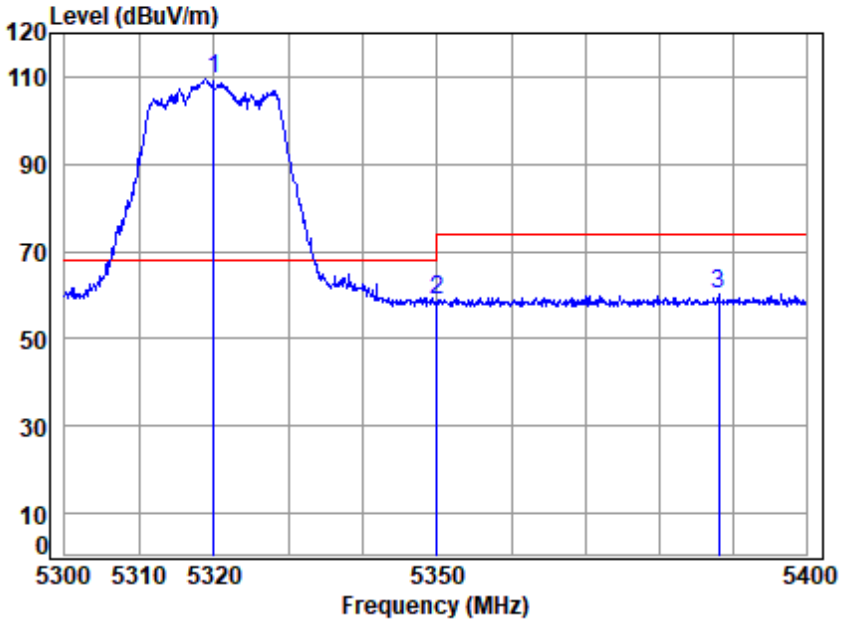
Test Mode: 10; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5320 Band edge
: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	10.35	32.74	30.77	87.63	99.95	------	------	Average
2 pp	5350.020	10.45	32.80	30.76	34.28	46.77	54.00	-7.23	Average
3	5385.082	10.57	32.80	30.75	34.10	46.72	54.00	-7.28	Average

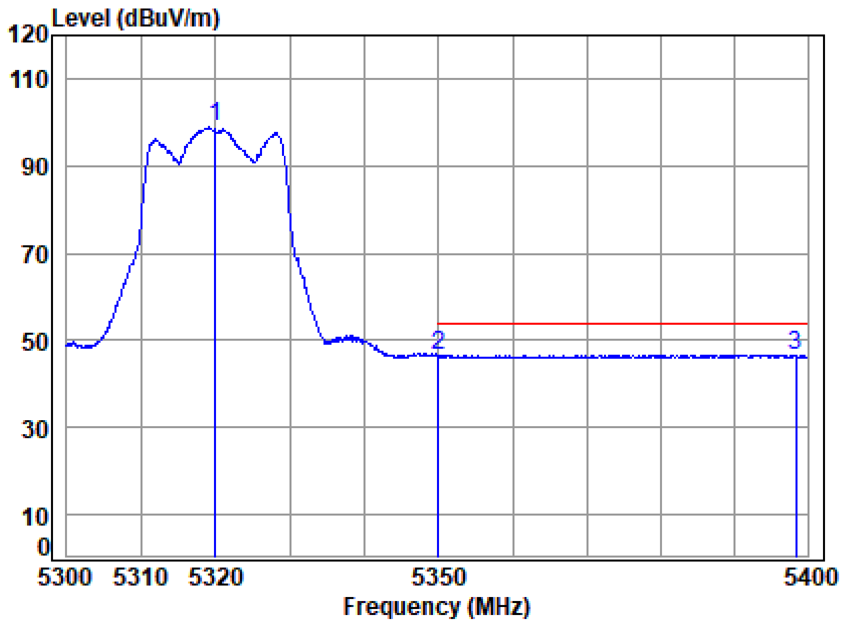
Test Mode: 10; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5320 Band edge
: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5320.000	10.35	32.74	30.77	97.07	109.39	68.20	41.19	Peak
2	5350.020	10.45	32.80	30.76	46.22	58.71	74.00	-15.29	Peak
3	5388.103	10.58	32.80	30.74	47.42	60.06	74.00	-13.94	Peak

Test Mode: 10; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5320 Band edge
: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	10.35	32.74	30.77	86.50	98.82	------	------	Average
2	5350.020	10.45	32.80	30.76	34.10	46.59	54.00	-7.41	Average
3 pp	5398.486	10.61	32.80	30.74	34.04	46.71	54.00	-7.29	Average

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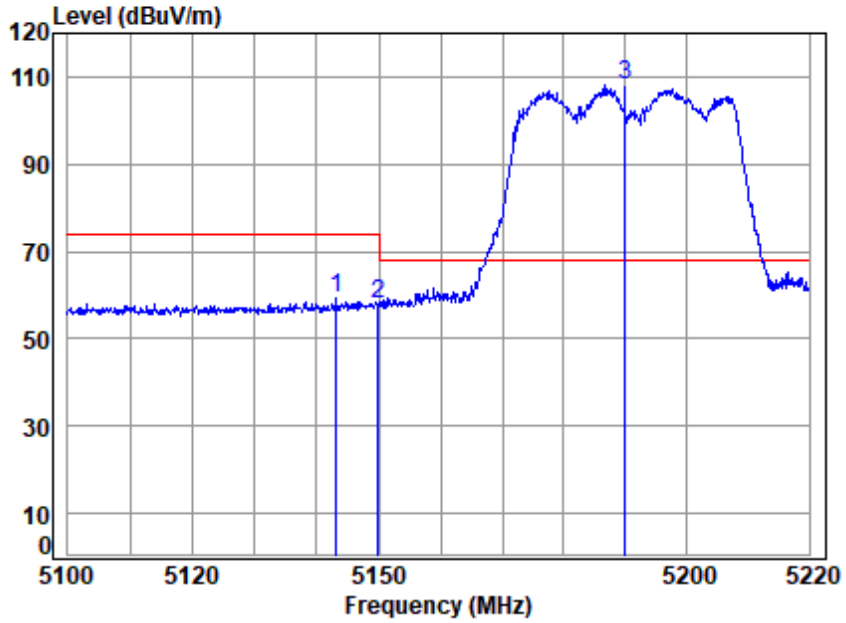
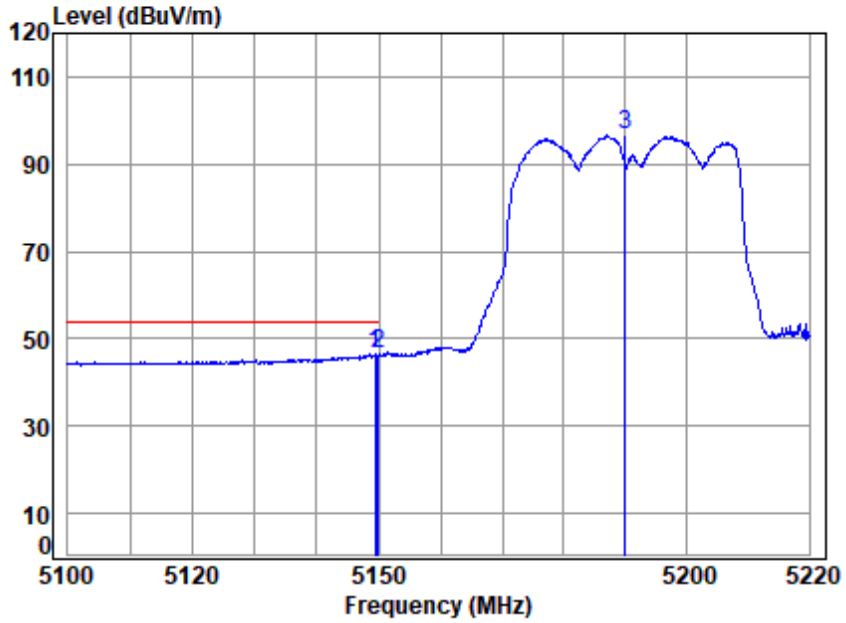
Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5190 Band edge
: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5143.118	10.11	32.39	30.84	47.79	59.45	74.00	-14.55	peak
2	5149.980	10.14	32.40	30.84	46.24	57.94	74.00	-16.06	peak
3 pp	5190.000	10.29	32.48	30.82	96.04	107.99	68.20	39.79	peak

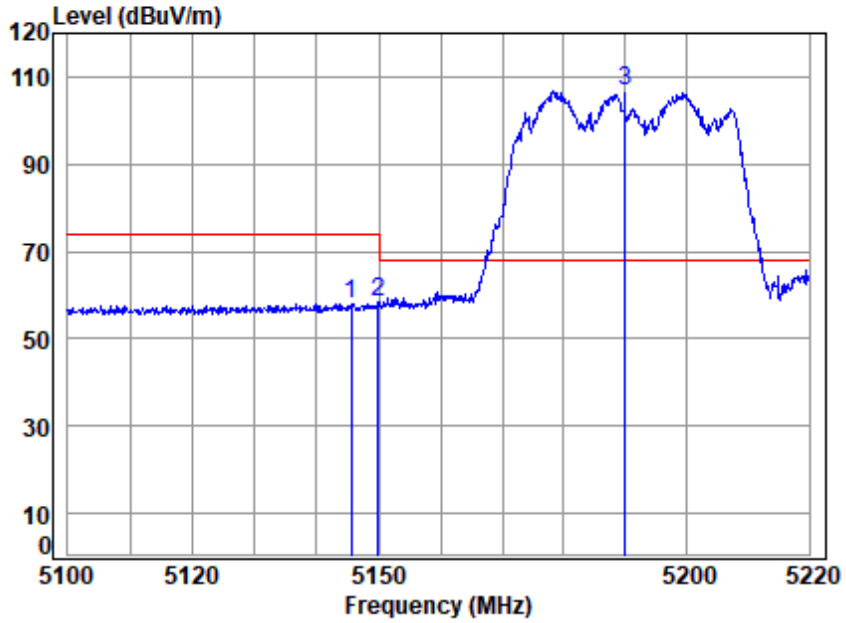
Test Mode: 09; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5190 Band edge
: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.461	10.14	32.40	30.84	34.87	46.57	54.00	-7.43	Average
2 pp	5149.980	10.14	32.40	30.84	34.88	46.58	54.00	-7.42	Average
3	5190.000	10.29	32.48	30.82	84.72	96.67	------	------	Average

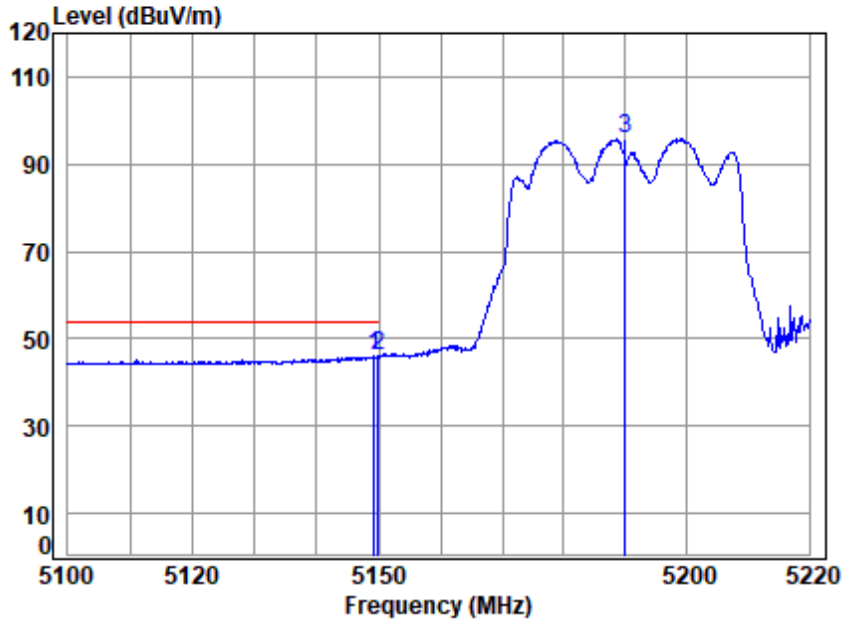
Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5190 Band edge
: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5145.630	10.12	32.39	30.84	46.39	58.06	74.00	-15.94	Peak
2	5149.980	10.14	32.40	30.84	46.81	58.51	74.00	-15.49	Peak
3 pp	5190.000	10.29	32.48	30.82	94.80	106.75	68.20	38.55	Peak

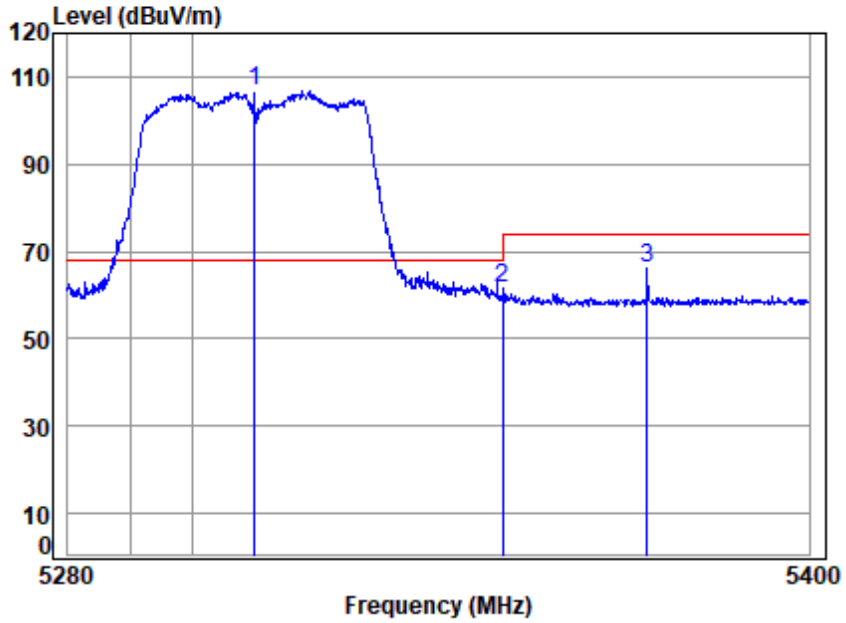
Test Mode: 09; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5190 Band edge
: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5149.342	10.14	32.40	30.84	34.55	46.25	54.00	-7.75	Average
2	5149.980	10.14	32.40	30.84	34.43	46.13	54.00	-7.87	Average
3	5190.000	10.29	32.48	30.82	83.96	95.91	------	------	Average

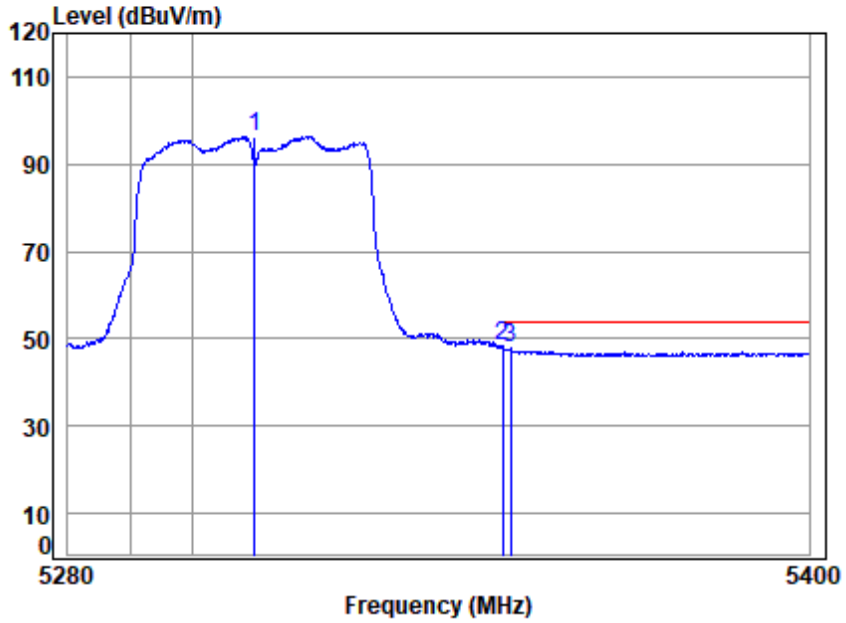
Test Mode: 10; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5310 Band edge
: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5310.000	10.31	32.72	30.78	94.51	106.76	68.20	38.56	peak
2	5350.020	10.45	32.80	30.76	48.92	61.41	74.00	-12.59	peak
3	5373.610	10.53	32.80	30.75	53.57	66.15	74.00	-7.85	peak

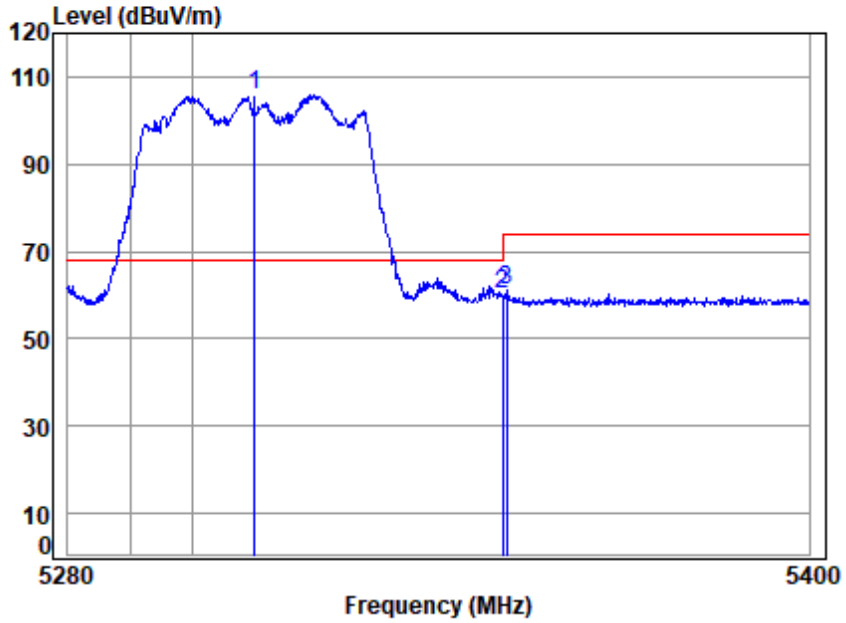
Test Mode: 10; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5310 Band edge
: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5310.000	10.31	32.72	30.78	84.15	96.40	------	------	Average
2 pp	5350.020	10.45	32.80	30.76	35.86	48.35	54.00	-5.65	Average
3	5351.315	10.45	32.80	30.76	35.39	47.88	54.00	-6.12	Average

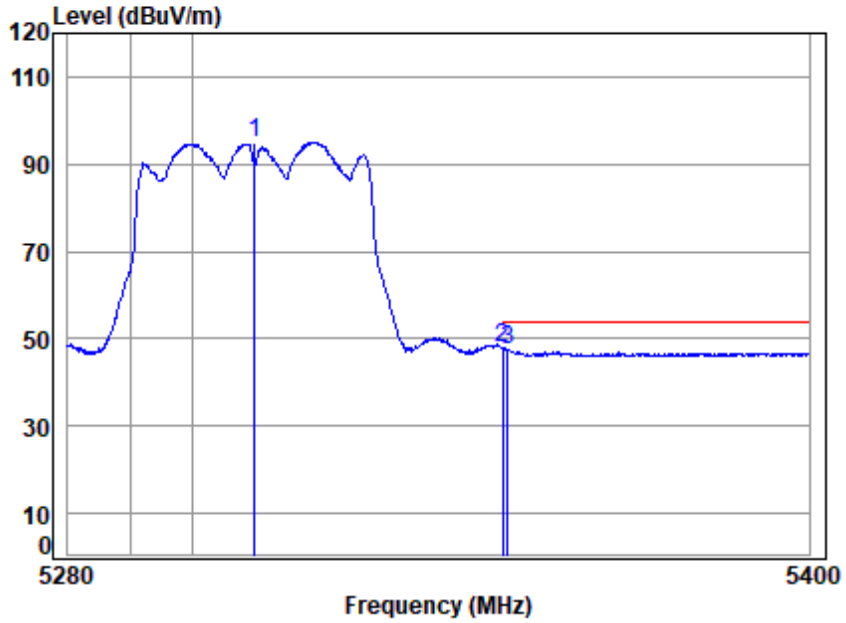
Test Mode: 10; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5310 Band edge
: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5310.000	10.31	32.72	30.78	93.52	105.77	68.20	37.57	Peak
2	5350.020	10.45	32.80	30.76	47.55	60.04	74.00	-13.96	Peak
3	5350.714	10.45	32.80	30.76	48.72	61.21	74.00	-12.79	Peak

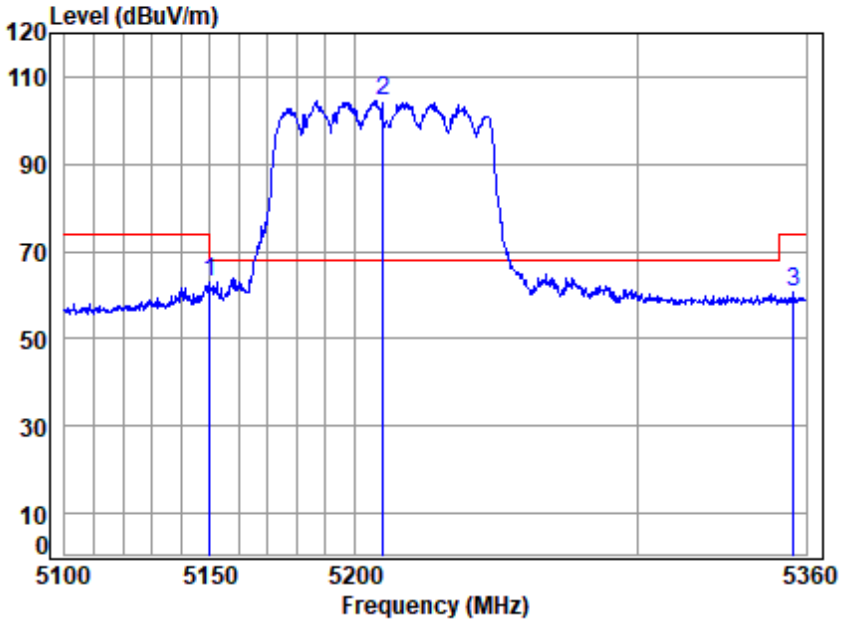
Test Mode: 10; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5310 Band edge
: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5310.000	10.31	32.72	30.78	82.82	95.07	------	------	Average
2 pp	5350.020	10.45	32.80	30.76	35.60	48.09	54.00	-5.91	Average
3	5350.834	10.45	32.80	30.76	35.05	47.54	54.00	-6.46	Average

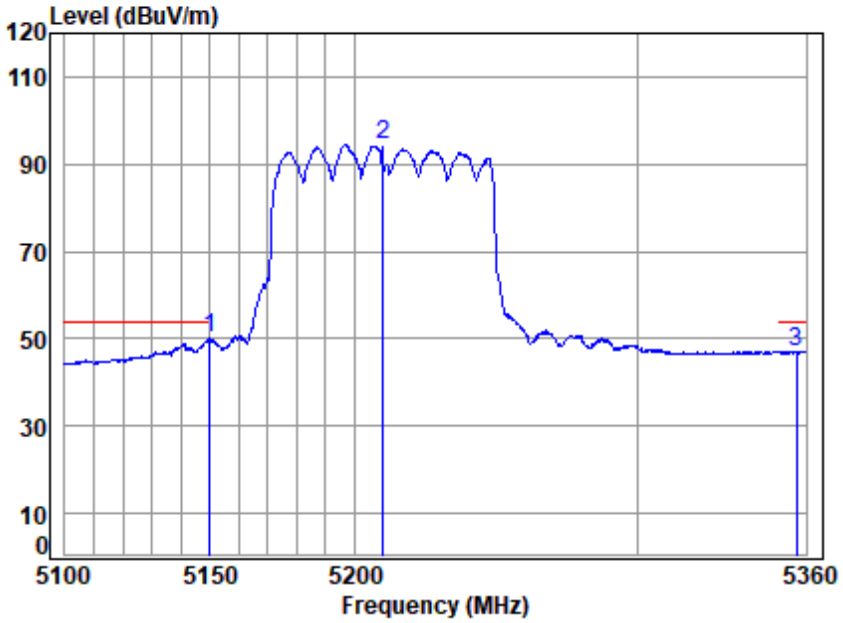
Test Mode: 09; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5210 Band edge
: 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.947	10.14	32.40	30.84	51.09	62.79	74.00	-11.21	peak
2 pp	5210.000	10.32	32.52	30.82	92.64	104.66	68.20	36.46	peak
3	5355.471	10.47	32.80	30.76	47.98	60.49	74.00	-13.51	peak

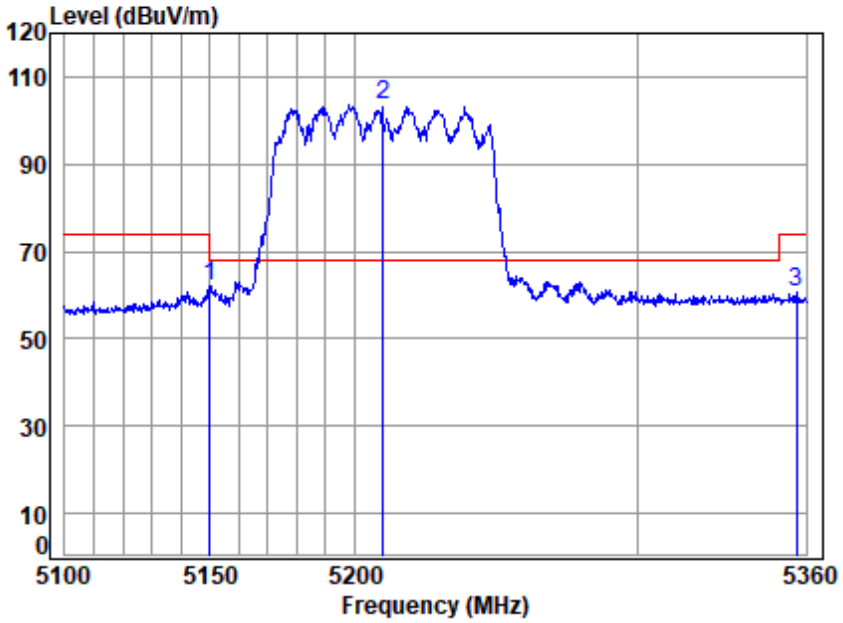
Test Mode: 09; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5210 Band edge
: 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5149.690	10.14	32.40	30.84	38.50	50.20	54.00	-3.80	Average
2	5210.000	10.32	32.52	30.82	82.54	94.56	------	------	Average
3	5356.537	10.47	32.80	30.76	34.52	47.03	54.00	-6.97	Average

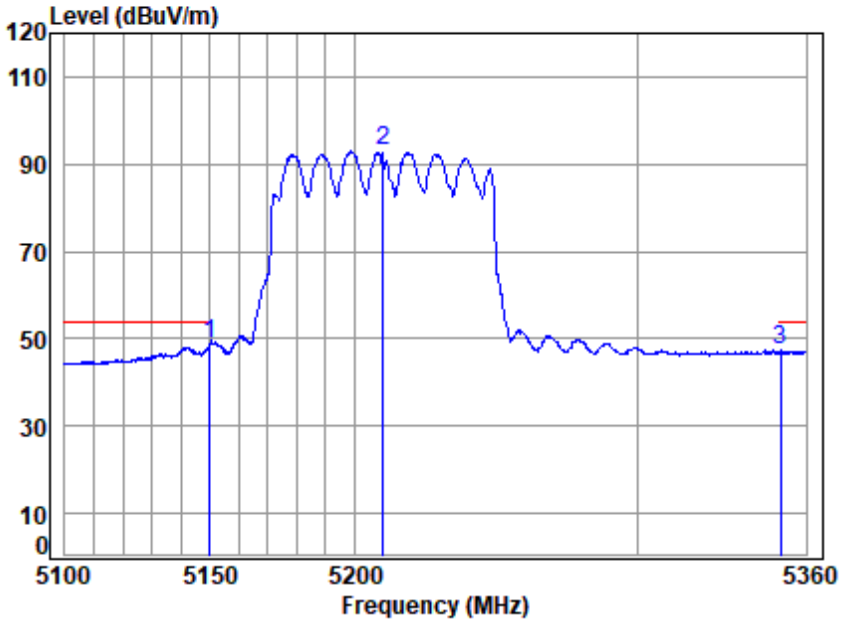
Test Mode: 09; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5210 Band edge
: 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.947	10.14	32.40	30.84	50.17	61.87	74.00	-12.13	Peak
2 pp	5210.000	10.32	32.52	30.82	91.37	103.39	68.20	35.19	Peak
3	5356.537	10.47	32.80	30.76	48.14	60.65	74.00	-13.35	Peak

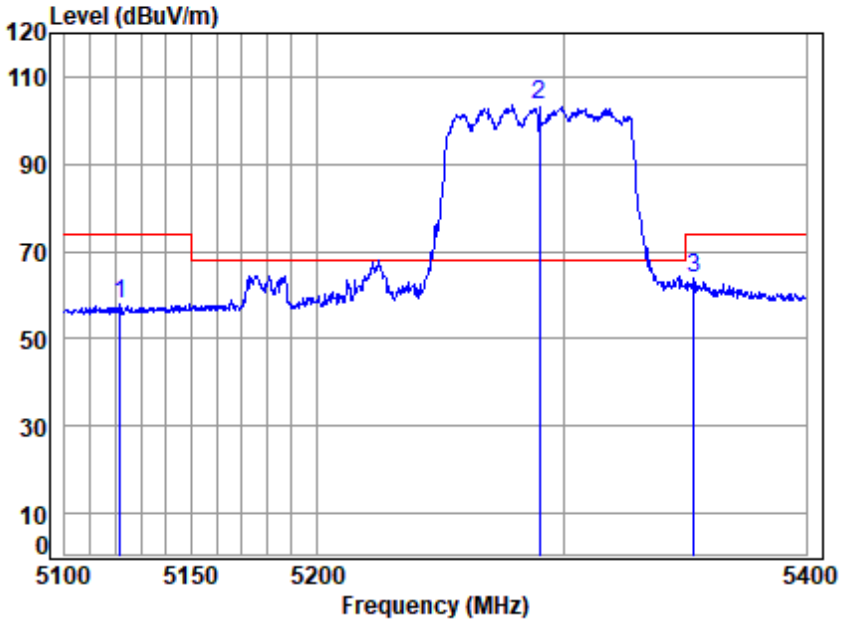
Test Mode: 09; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5210 Band edge
: 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5149.947	10.14	32.40	30.84	36.94	48.64	54.00	-5.36	Average
2	5210.000	10.32	32.52	30.82	80.94	92.96	------	------	Average
3	5350.680	10.45	32.80	30.76	34.74	47.23	54.00	-6.77	Average

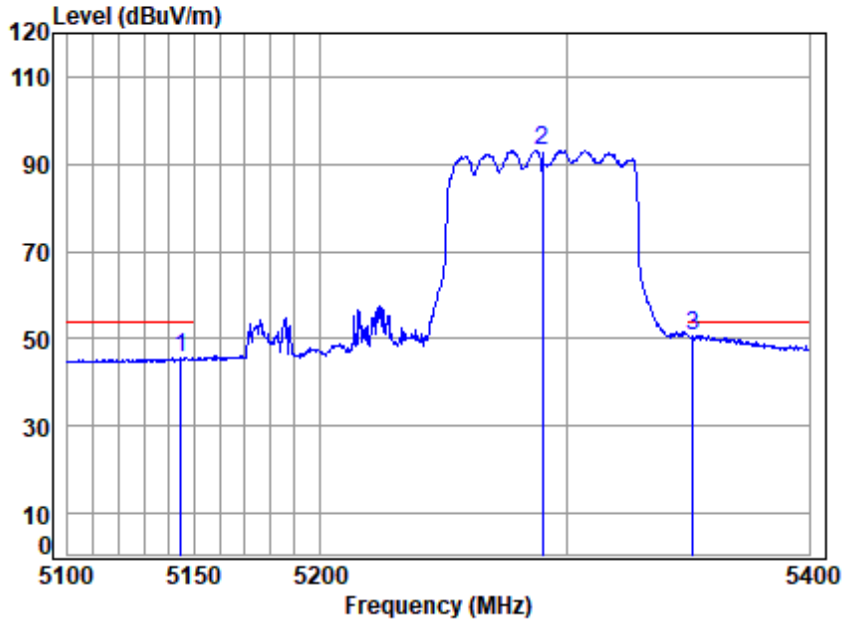
Test Mode: 10; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5290 Band edge
: 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5121.910	10.03	32.34	30.85	46.50	58.02	74.00	-15.98	peak
2 pp	5290.000	10.28	32.68	30.78	91.17	103.35	68.20	35.15	peak
3	5353.594	10.46	32.80	30.76	51.43	63.93	74.00	-10.07	peak

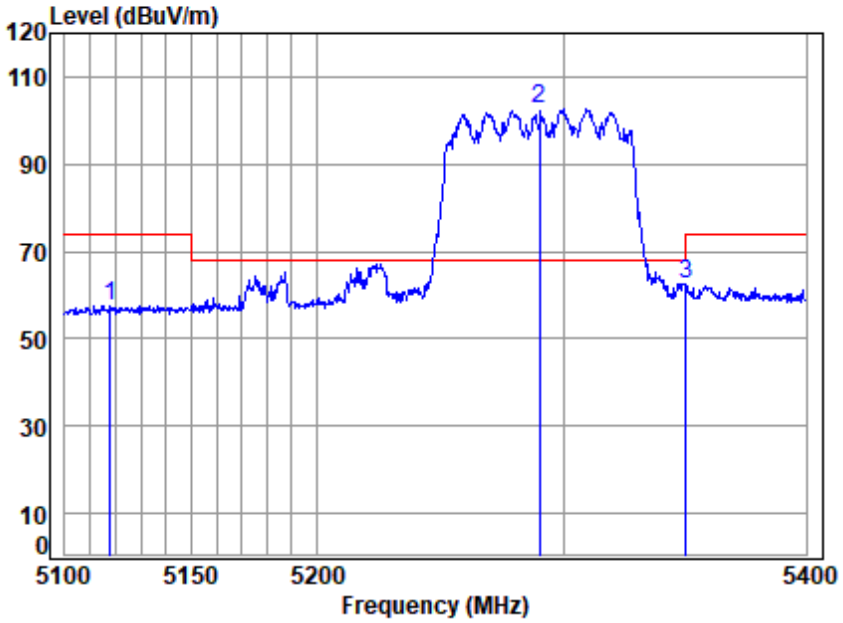
Test Mode: 10; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5290 Band edge
: 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5144.796	10.12	32.39	30.84	34.13	45.80	54.00	-8.20	Average
2	5290.000	10.28	32.68	30.78	81.09	93.27	------	------	Average
3 pp	5351.758	10.46	32.80	30.76	38.25	50.75	54.00	-3.25	Average

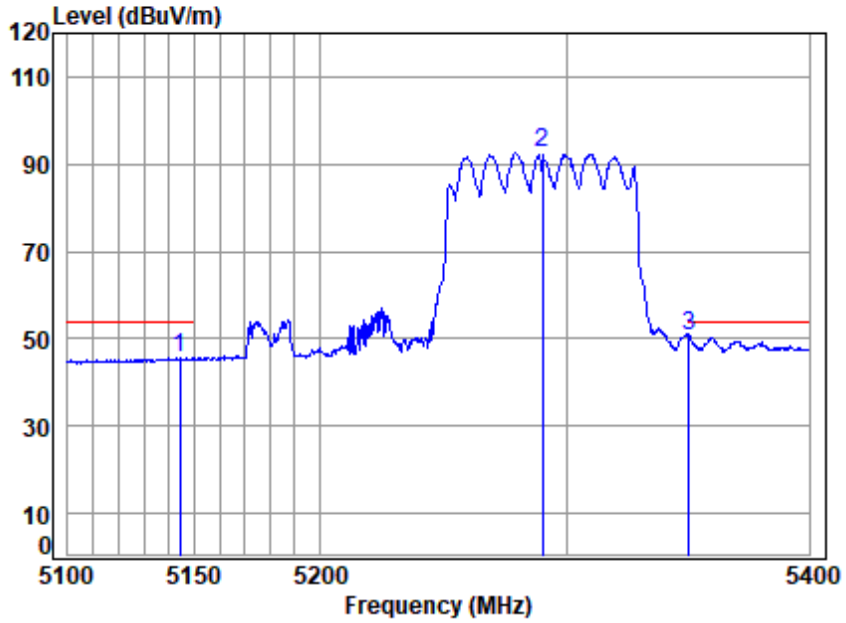
Test Mode: 10; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5290 Band edge
: 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5117.813	10.02	32.34	30.85	46.04	57.55	74.00	-16.45	Peak
2 pp	5290.000	10.28	32.68	30.78	90.61	102.79	68.20	34.59	Peak
3	5350.229	10.45	32.80	30.76	49.90	62.39	74.00	-11.61	Peak

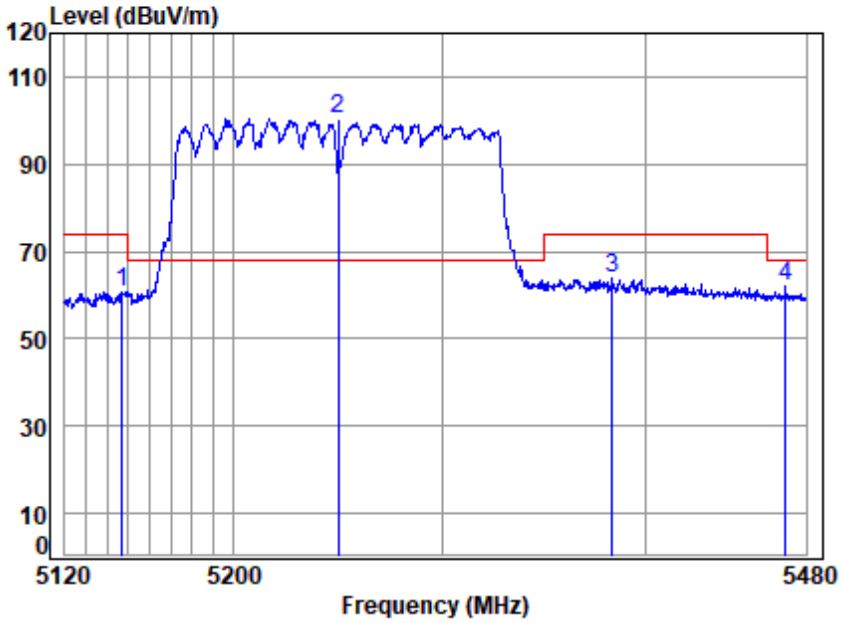
Test Mode: 10; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5290 Band edge
: 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5144.208	10.12	32.39	30.84	34.04	45.71	54.00	-8.29	Average
2	5290.000	10.28	32.68	30.78	80.43	92.61	------	------	Average
3 pp	5350.229	10.45	32.80	30.76	38.35	50.84	54.00	-3.16	Average

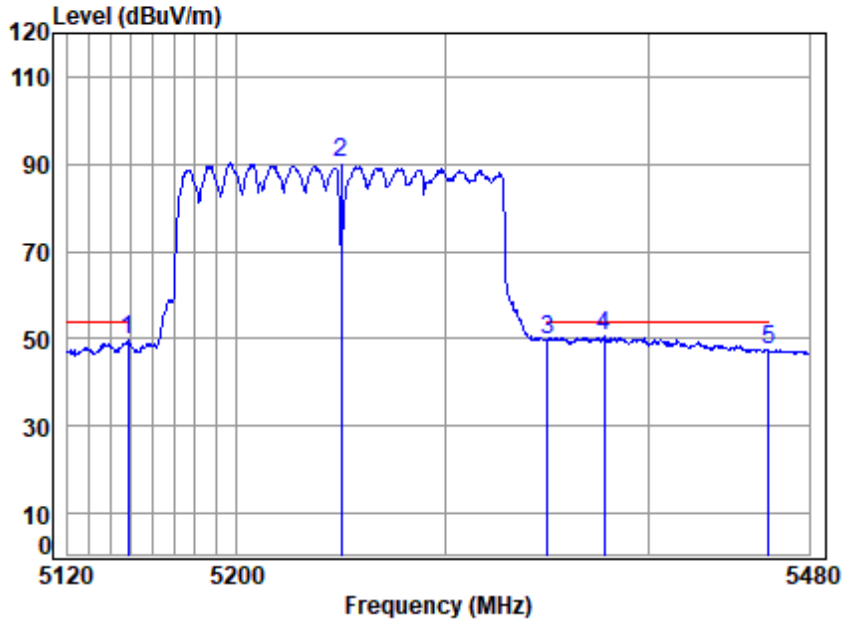
Test Mode: 09; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:160MHz; Channel:middle



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5250 Band edge
: 5G WIFI 11AC160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5146.859	10.13	32.39	30.84	49.13	60.81	74.00	-13.19	peak
2 pp	5250.000	10.31	32.60	30.80	88.19	100.30	68.20	32.10	peak
3	5383.668	10.56	32.80	30.75	51.20	63.81	74.00	-10.19	peak
4	5469.583	10.59	32.90	30.71	49.11	61.89	68.20	-6.31	peak

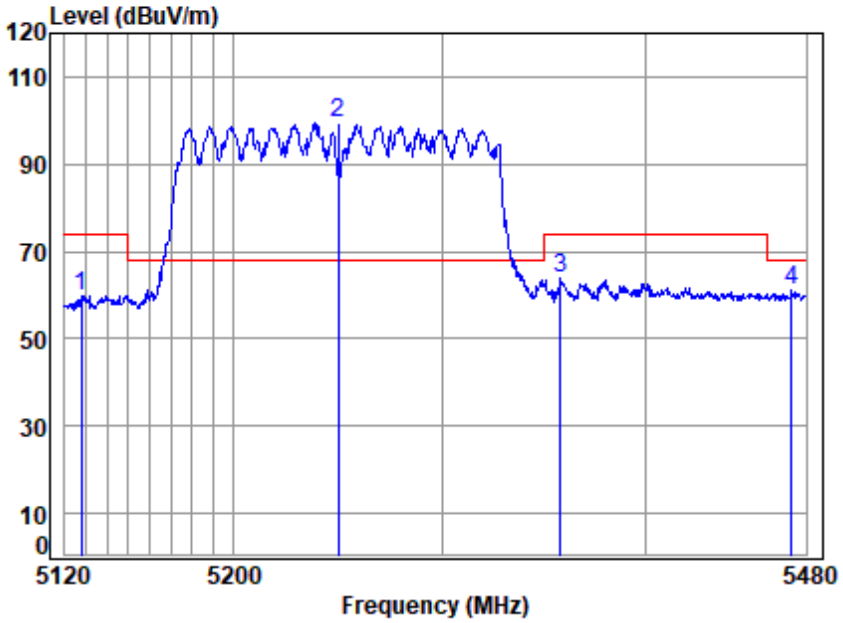
Test Mode: 09; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:160MHz; Channel:middle



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5250 Band edge
: 5G WIFI 11AC160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.258	10.13	32.40	30.84	37.87	49.56	54.00	-4.44	Average
2	5250.000	10.31	32.60	30.80	78.09	90.20	------	------	Average
3	5350.118	10.45	32.80	30.76	37.05	49.54	54.00	-4.46	Average
4 pp	5378.184	10.55	32.80	30.75	37.97	50.57	54.00	-3.43	Average
5	5459.929	10.60	32.90	30.72	34.45	47.23	54.00	-6.77	Average

Test Mode: 09; Polarity: Vertical; Modulation:802.11ac; Bandwidth:160MHz; Channel:middle



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5250 Band edge
: 5G WIFI 11AC160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5127.660	10.06	32.36	30.85	48.31	59.88	74.00	-14.12	Peak
2 pp	5250.000	10.31	32.60	30.80	87.18	99.29	68.20	31.09	peak
3	5357.757	10.48	32.80	30.76	51.28	63.80	74.00	-10.20	Peak
4	5472.558	10.59	32.90	30.71	48.20	60.98	68.20	-7.22	Peak

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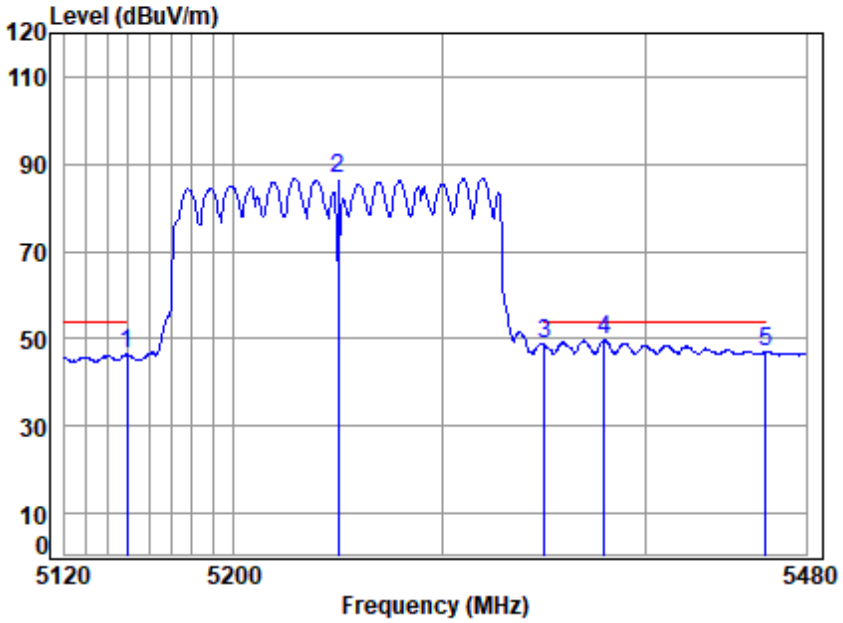
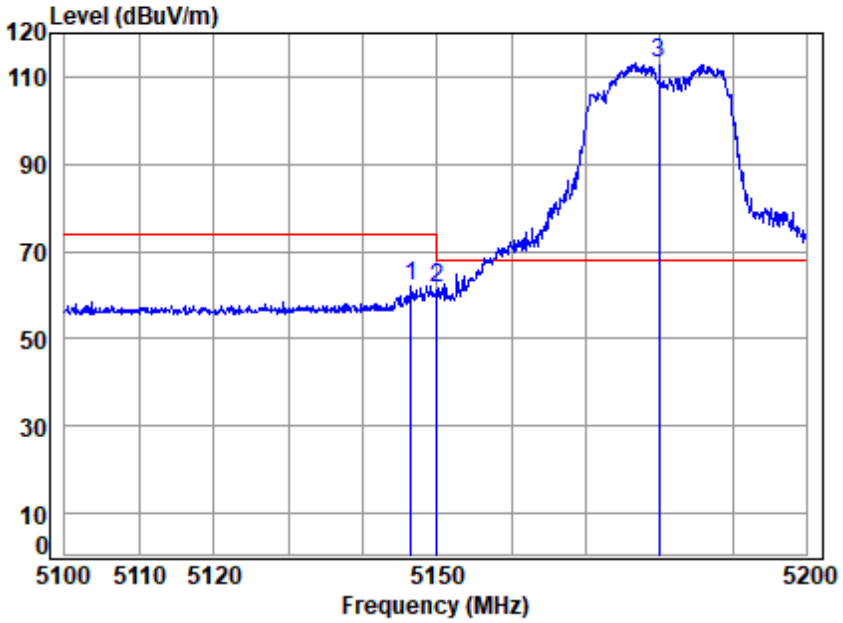
Test Mode: 09; Polarity: Vertical; Modulation:802.11ac; Bandwidth:160MHz; Channel:middle



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5250 Band edge
: 5G WIFI 11AC160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.308	10.14	32.40	30.84	34.70	46.40	54.00	-7.60	Average
2	5250.000	10.31	32.60	30.80	74.63	86.74	------	------	Average
3	5350.118	10.45	32.80	30.76	36.25	48.74	54.00	-5.26	Average
4 pp	5379.646	10.55	32.80	30.75	37.15	49.75	54.00	-4.25	Average
5	5459.929	10.60	32.90	30.72	34.11	46.89	54.00	-7.11	Average

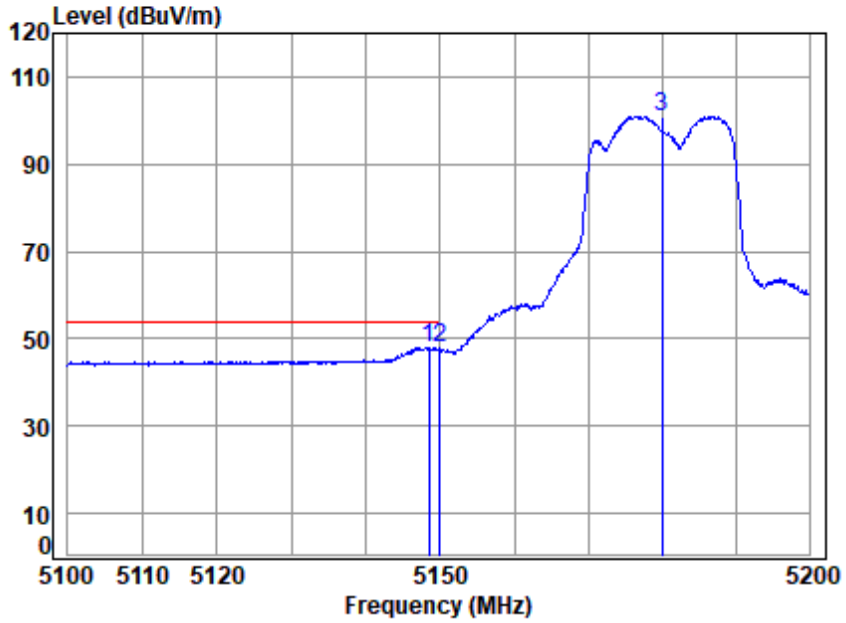
Test Mode: 09; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5180 Band edge
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5146.458	10.13	32.39	30.84	50.46	62.14	74.00	-11.86	peak
2	5149.980	10.14	32.40	30.84	49.95	61.65	74.00	-12.35	peak
3 pp	5180.000	10.25	32.46	30.83	101.36	113.24	68.20	45.04	peak

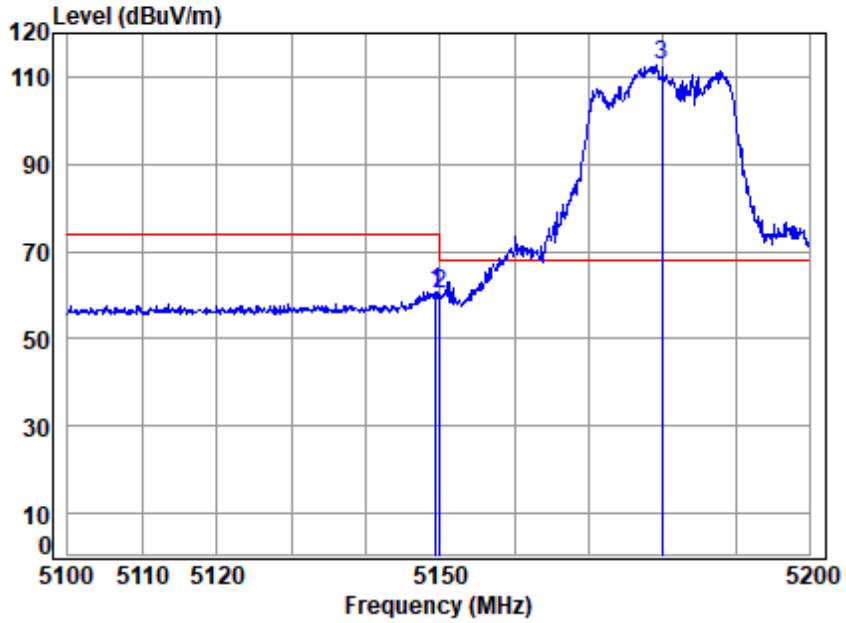
Test Mode: 09; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5180 Band edge
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5148.458	10.13	32.40	30.84	36.33	48.02	54.00	-5.98	Average
2	5149.980	10.14	32.40	30.84	36.02	47.72	54.00	-6.28	Average
3	5180.000	10.25	32.46	30.83	89.16	101.04	------	------	Average

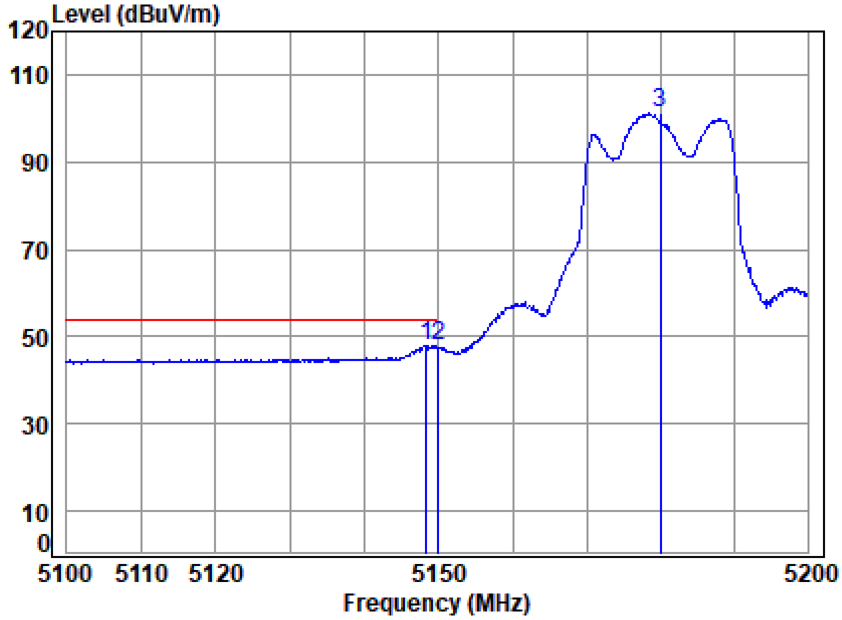
Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5180 Band edge
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.458	10.14	32.40	30.84	49.12	60.82	74.00	-13.18	Peak
2	5149.980	10.14	32.40	30.84	48.72	60.42	74.00	-13.58	Peak
3 pp	5180.000	10.25	32.46	30.83	100.72	112.60	68.20	44.40	Peak

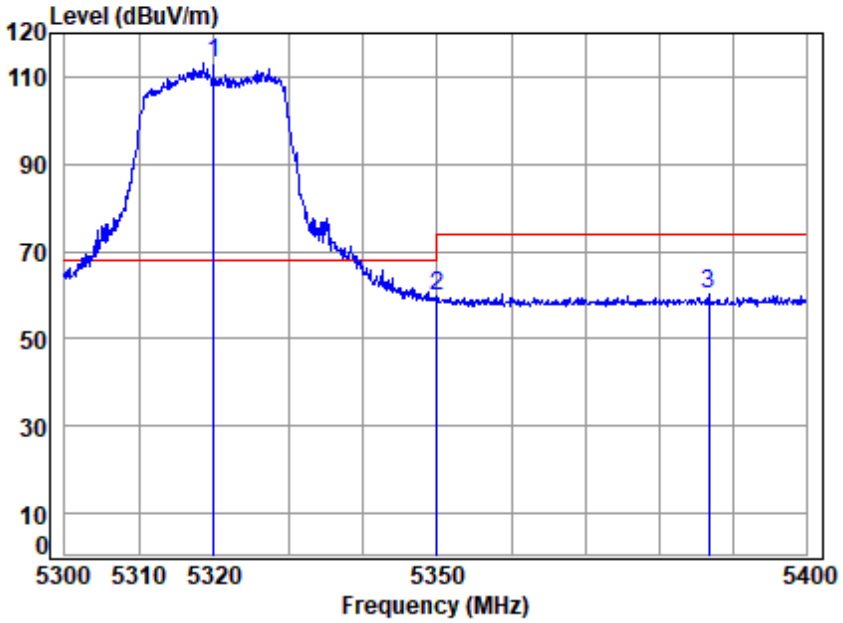
Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5180 Band edge
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5148.357	10.13	32.40	30.84	36.43	48.12	54.00	-5.88	Average
2	5149.980	10.14	32.40	30.84	36.29	47.99	54.00	-6.01	Average
3	5180.000	10.25	32.46	30.83	89.28	101.16	------	------	Average

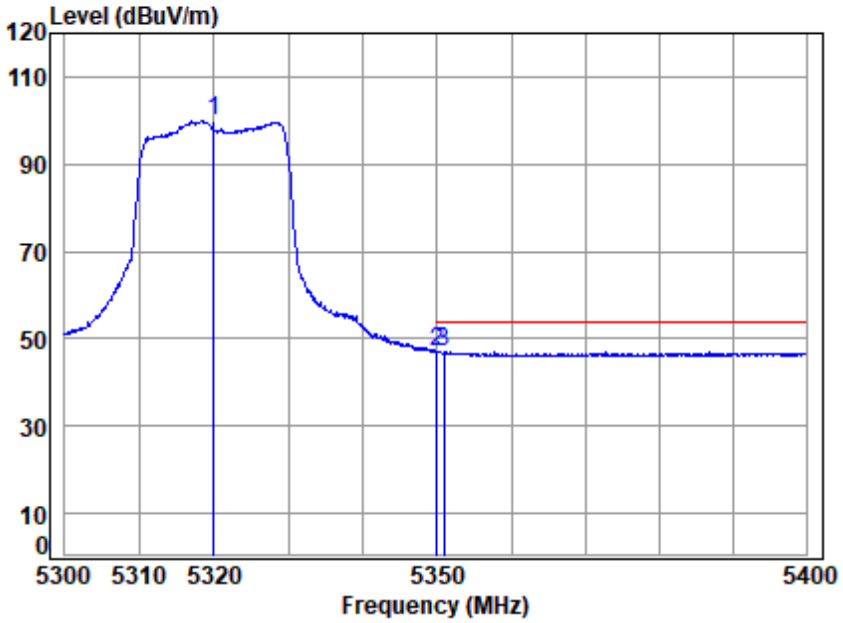
Test Mode: 10; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5320 Band edge
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5320.000	10.35	32.74	30.77	100.86	113.18	68.20	44.98	peak
2	5350.020	10.45	32.80	30.76	47.32	59.81	74.00	-14.19	peak
3	5386.793	10.58	32.80	30.75	47.78	60.41	74.00	-13.59	peak

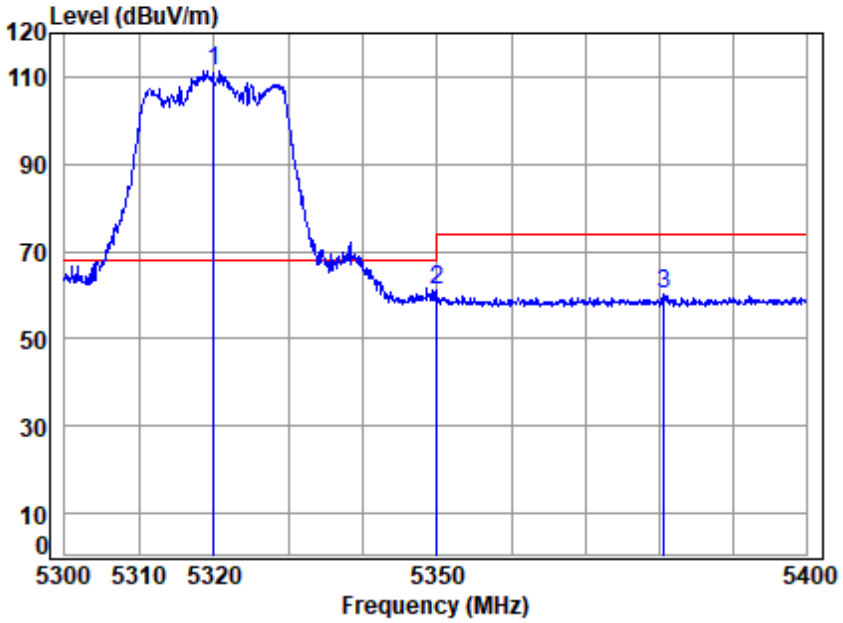
Test Mode: 10; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5320 Band edge
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	10.35	32.74	30.77	87.63	99.95	------	------	Average
2	5350.020	10.45	32.80	30.76	34.65	47.14	54.00	-6.86	Average
3 pp	5350.866	10.45	32.80	30.76	34.71	47.20	54.00	-6.80	Average

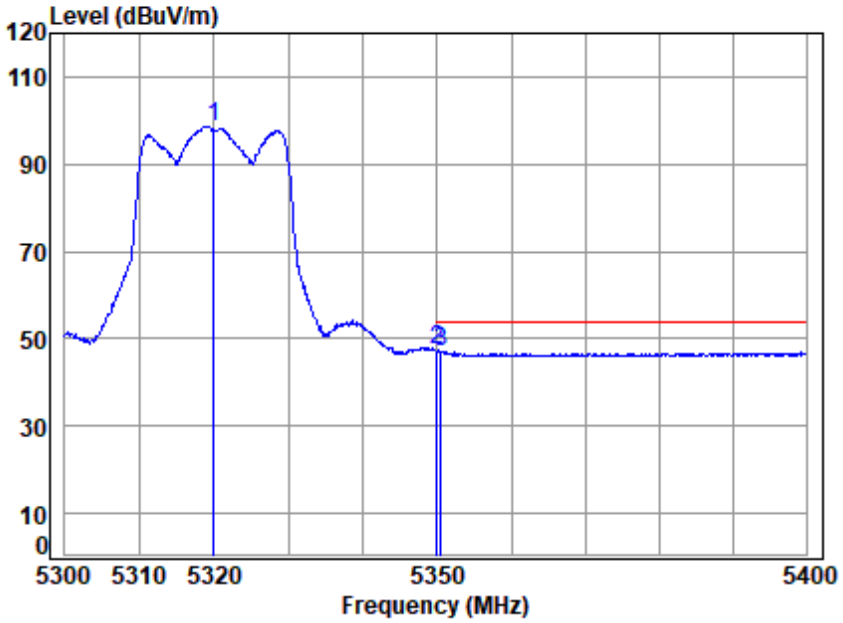
Test Mode: 10; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5320 Band edge
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5320.000	10.35	32.74	30.77	99.22	111.54	68.20	43.34	Peak
2	5350.020	10.45	32.80	30.76	48.43	60.92	74.00	-13.08	Peak
3	5380.755	10.55	32.80	30.75	47.57	60.17	74.00	-13.83	Peak

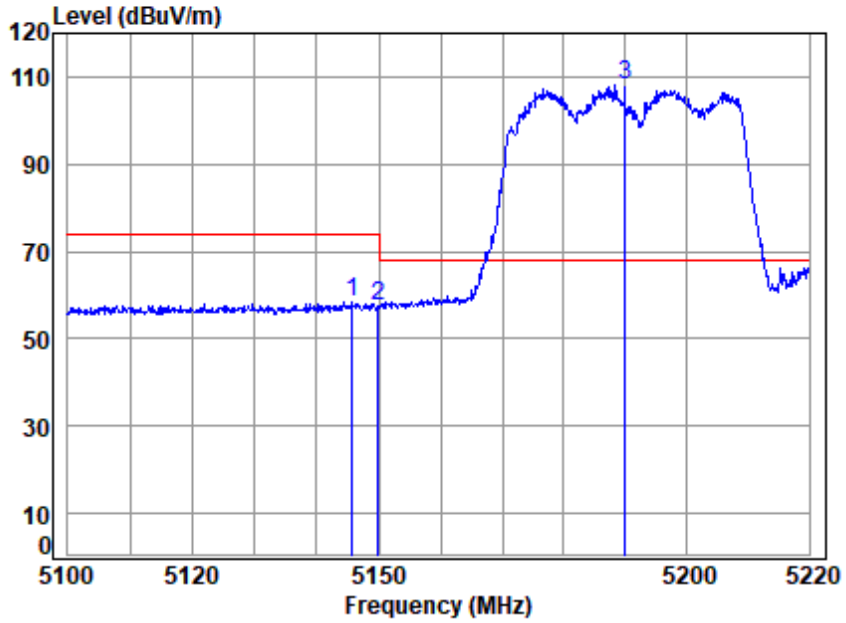
Test Mode: 10; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5320 Band edge
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	10.35	32.74	30.77	86.36	98.68	------	------	Average
2 pp	5350.020	10.45	32.80	30.76	34.93	47.42	54.00	-6.58	Average
3	5350.566	10.45	32.80	30.76	34.72	47.21	54.00	-6.79	Average

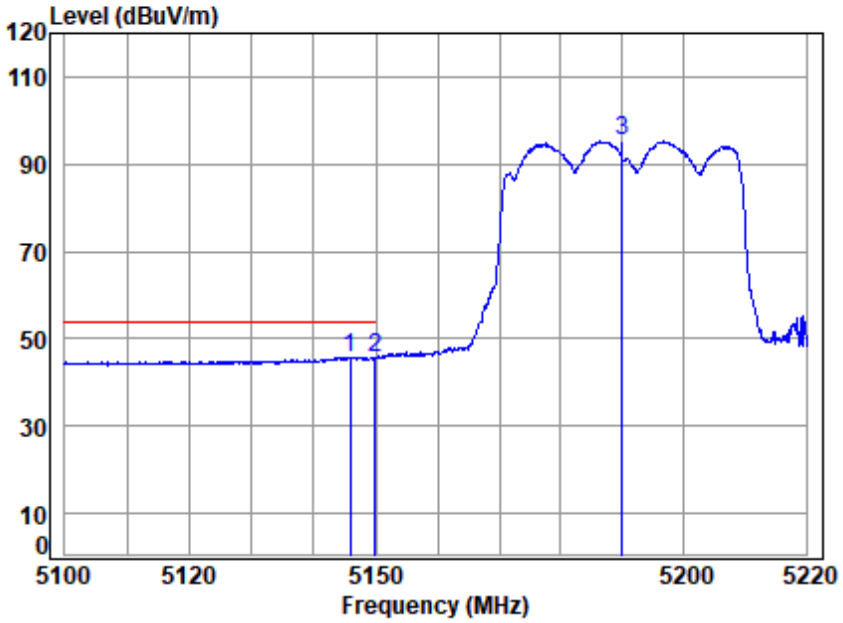
Test Mode: 09; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5190 Band edge
: 5G WIFI 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5145.750	10.12	32.39	30.84	46.81	58.48	74.00	-15.52	peak
2	5149.980	10.14	32.40	30.84	45.77	57.47	74.00	-16.53	peak
3 pp	5190.000	10.29	32.48	30.82	95.96	107.91	68.20	39.71	peak

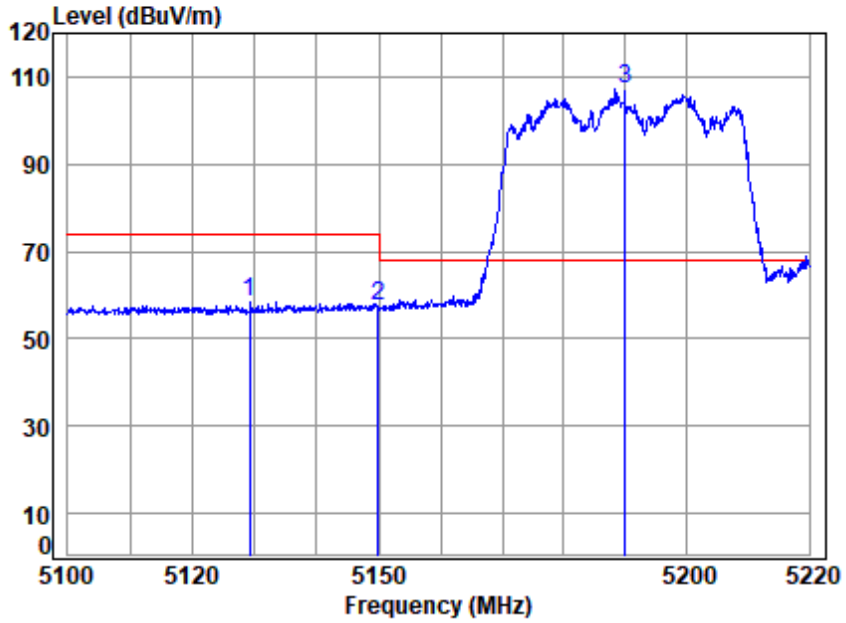
Test Mode: 09; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5190 Band edge
: 5G WIFI 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5145.870	10.12	32.39	30.84	34.15	45.82	54.00	-8.18	Average
2	5149.980	10.14	32.40	30.84	33.97	45.67	54.00	-8.33	Average
3	5190.000	10.29	32.48	30.82	83.26	95.21	------	------	Average

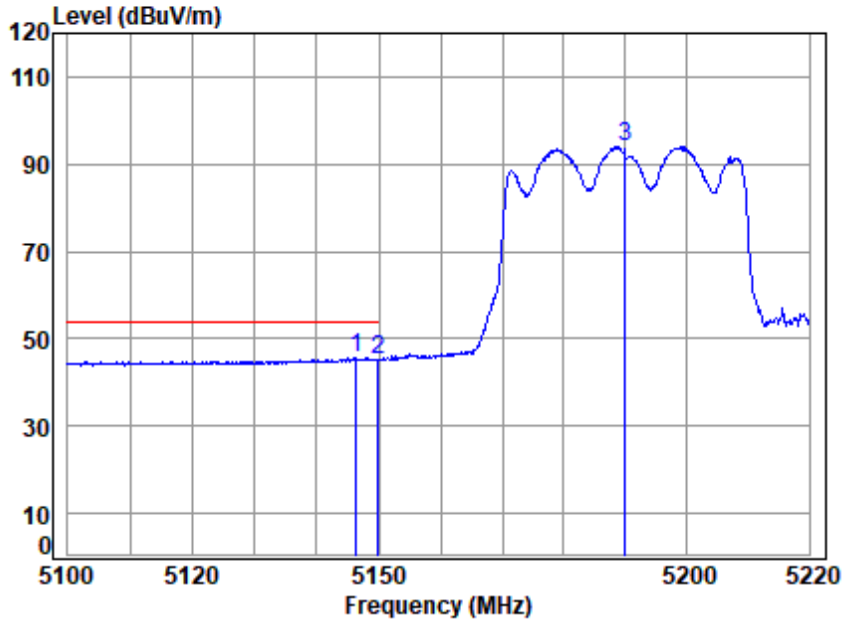
Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5190 Band edge
: 5G WIFI 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5129.262	10.06	32.36	30.85	46.92	58.49	74.00	-15.51	Peak
2	5149.980	10.14	32.40	30.84	45.87	57.57	74.00	-16.43	Peak
3 pp	5190.000	10.29	32.48	30.82	95.11	107.06	68.20	38.86	Peak

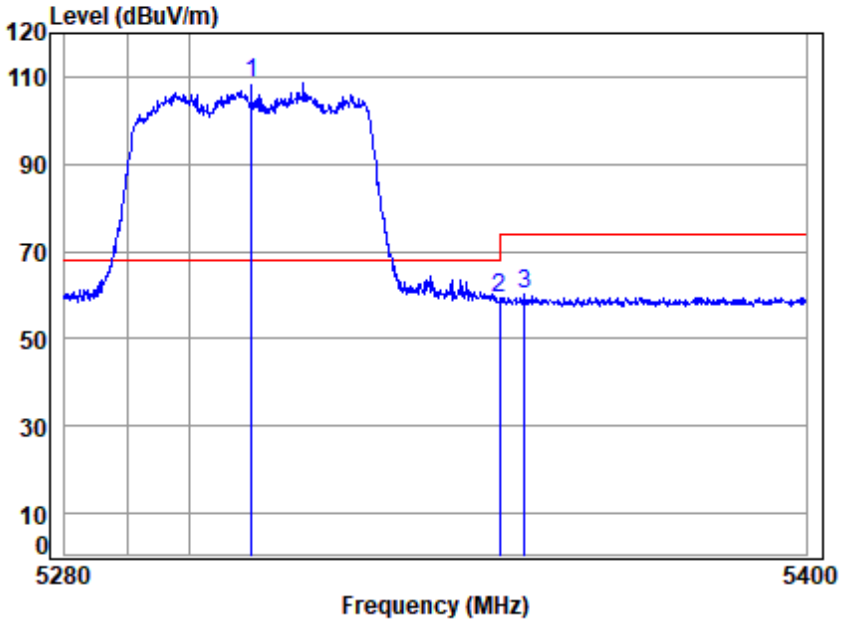
Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5190 Band edge
: 5G WIFI 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5146.349	10.13	32.39	30.84	33.77	45.45	54.00	-8.55	Average
2	5149.980	10.14	32.40	30.84	33.64	45.34	54.00	-8.66	Average
3	5190.000	10.29	32.48	30.82	81.99	93.94	------	------	Average

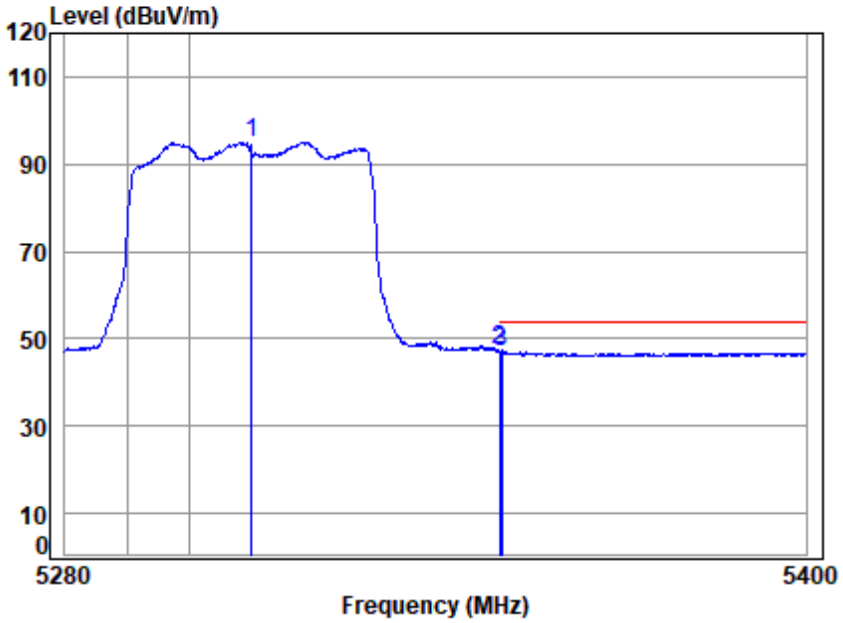
Test Mode: 10; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5310 Band edge
: 5G WIFI 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5310.000	10.31	32.72	30.78	96.23	108.48	68.20	40.28	peak
2	5350.020	10.45	32.80	30.76	46.81	59.30	74.00	-14.70	peak
3	5354.082	10.46	32.80	30.76	47.50	60.00	74.00	-14.00	peak

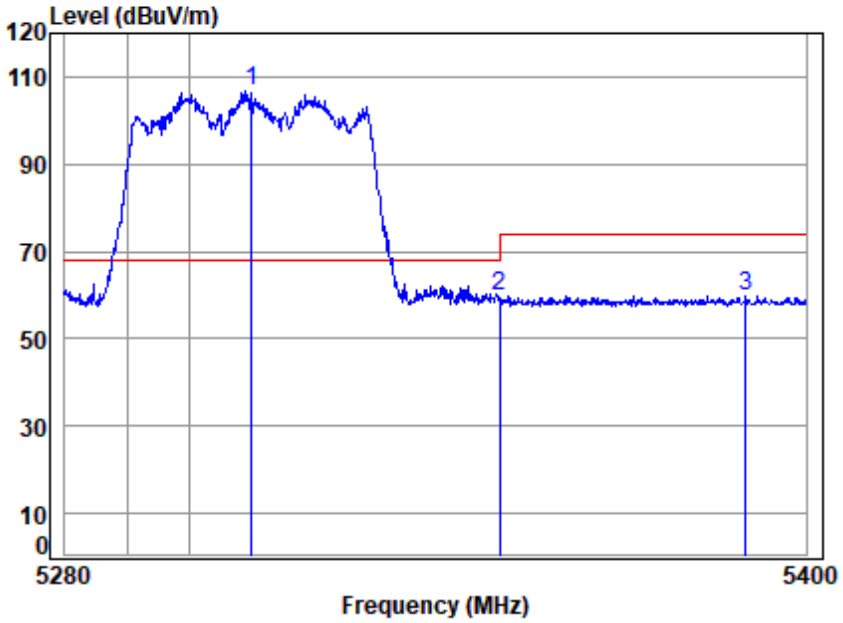
Test Mode: 10; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5310 Band edge
: 5G WIFI 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5310.000	10.31	32.72	30.78	82.87	95.12	------	------	Average
2 pp	5350.020	10.45	32.80	30.76	34.76	47.25	54.00	-6.75	Average
3	5350.474	10.45	32.80	30.76	34.67	47.16	54.00	-6.84	Average

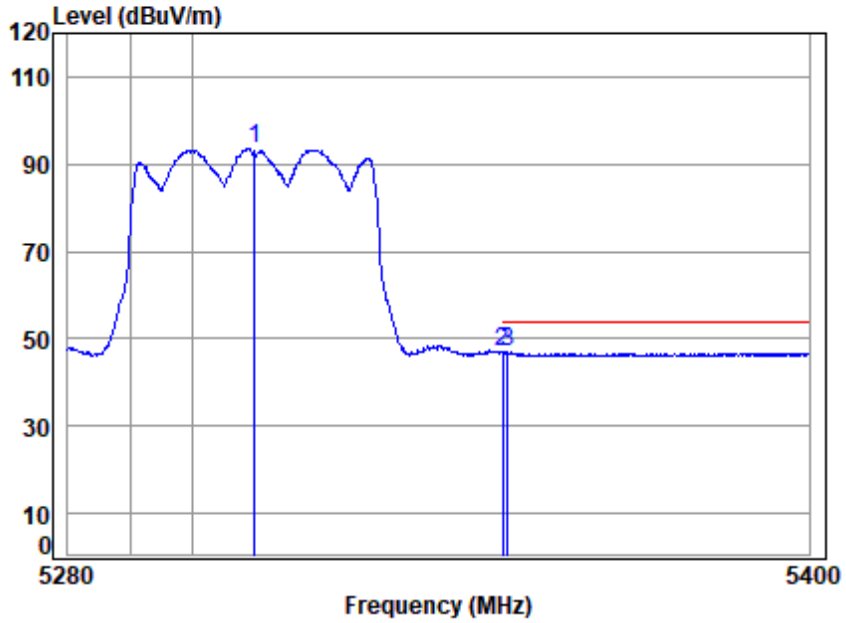
Test Mode: 10; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5310 Band edge
: 5G WIFI 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5310.000	10.31	32.72	30.78	94.66	106.91	68.20	38.71	Peak
2	5350.020	10.45	32.80	30.76	47.47	59.96	74.00	-14.04	Peak
3	5390.179	10.59	32.80	30.74	47.11	59.76	74.00	-14.24	Peak

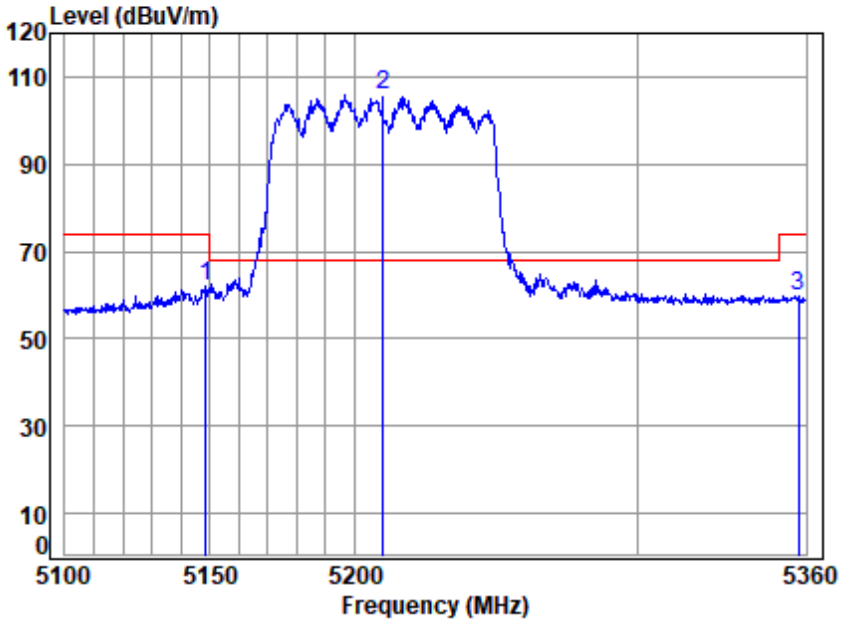
Test Mode: 10; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5310 Band edge
: 5G WIFI 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5310.000	10.31	32.72	30.78	81.25	93.50	------	------	Average
2	5350.020	10.45	32.80	30.76	34.53	47.02	54.00	-6.98	Average
3 pp	5350.834	10.45	32.80	30.76	34.56	47.05	54.00	-6.95	Average

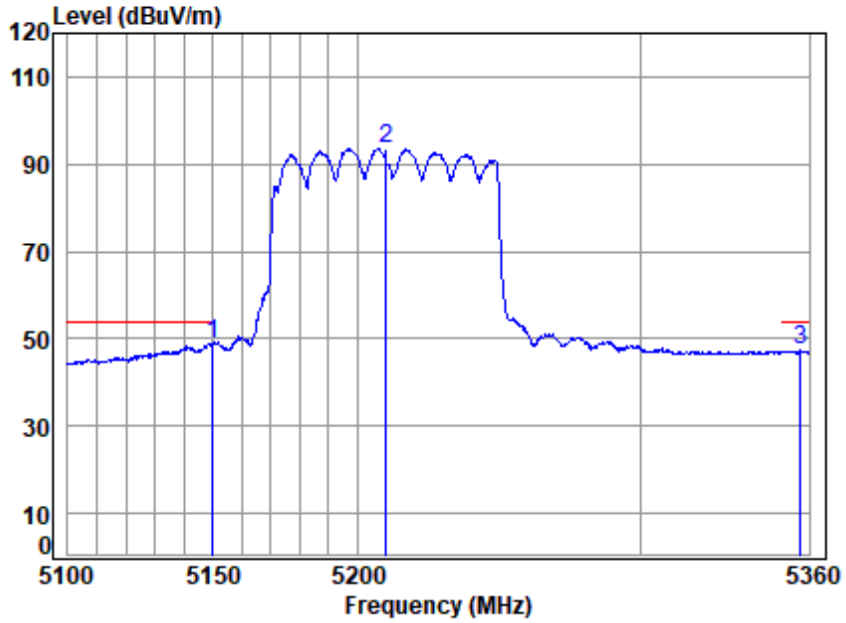
Test Mode: 09; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5210 Band edge
: 5G WIFI 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.410	10.13	32.40	30.84	50.29	61.98	74.00	-12.02	peak
2 pp	5210.000	10.32	32.52	30.82	93.96	105.98	68.20	37.78	peak
3	5357.335	10.47	32.80	30.76	47.41	59.92	74.00	-14.08	peak

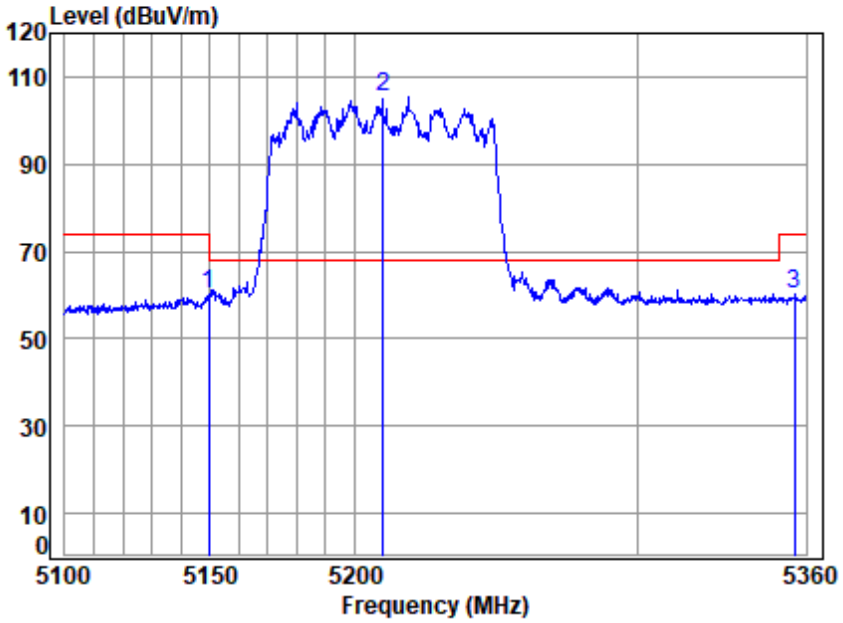
Test Mode: 09; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5210 Band edge
: 5G WIFI 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5149.690	10.14	32.40	30.84	37.28	48.98	54.00	-5.02	Average
2	5210.000	10.32	32.52	30.82	81.73	93.75	------	------	Average
3	5356.803	10.47	32.80	30.76	34.75	47.26	54.00	-6.74	Average

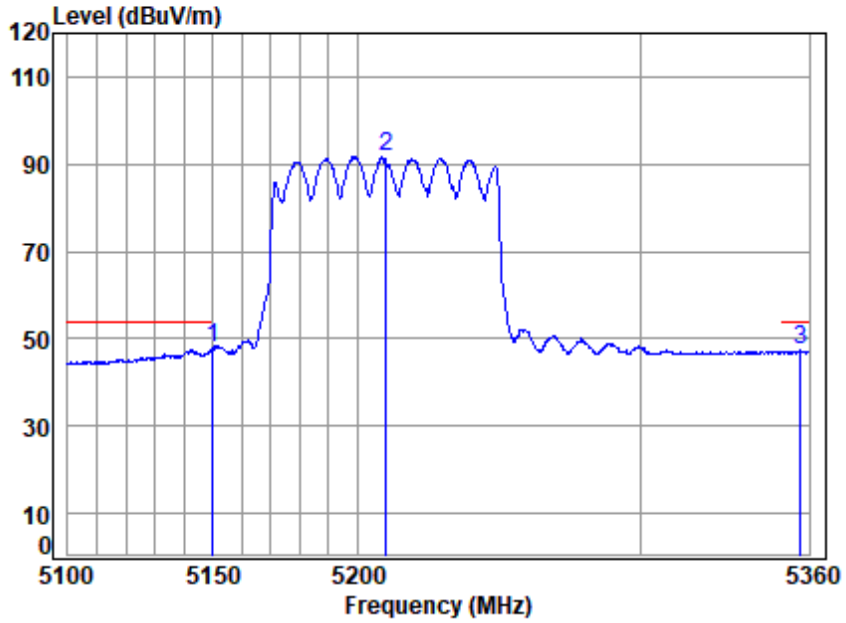
Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5210 Band edge
: 5G WIFI 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.435	10.14	32.40	30.84	48.56	60.26	74.00	-13.74	Peak
2 pp	5210.000	10.32	32.52	30.82	93.17	105.19	68.20	36.99	Peak
3	5356.004	10.47	32.80	30.76	47.77	60.28	74.00	-13.72	Peak

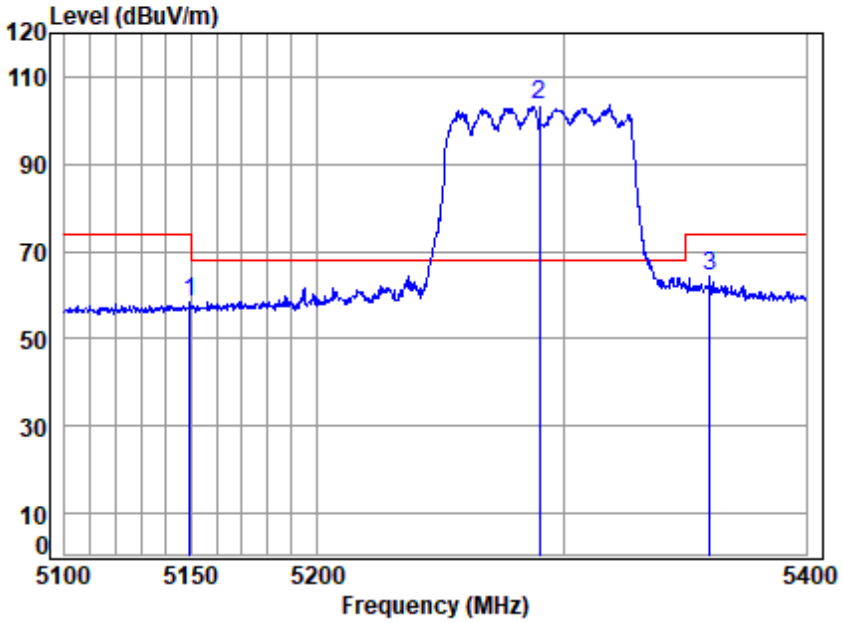
Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5210 Band edge
: 5G WIFI 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5149.947	10.14	32.40	30.84	36.38	48.08	54.00	-5.92	Average
2	5210.000	10.32	32.52	30.82	79.90	91.92	------	------	Average
3	5356.803	10.47	32.80	30.76	34.77	47.28	54.00	-6.72	Average

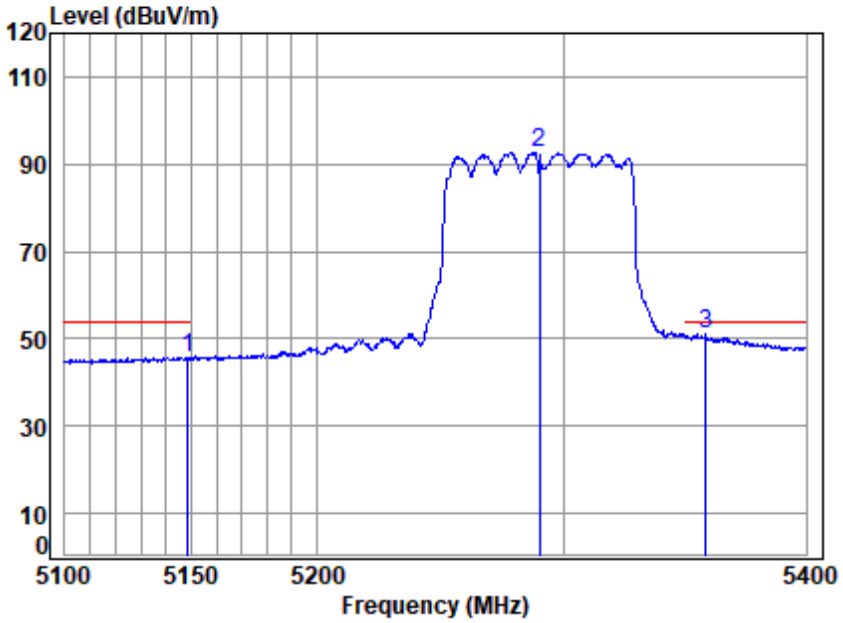
Test Mode: 10; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5290 Band edge
: 5G WIFI 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.503	10.14	32.40	30.84	46.53	58.23	74.00	-15.77	peak
2 pp	5290.000	10.28	32.68	30.78	91.19	103.37	68.20	35.17	peak
3	5360.023	10.48	32.80	30.76	52.03	64.55	74.00	-9.45	peak

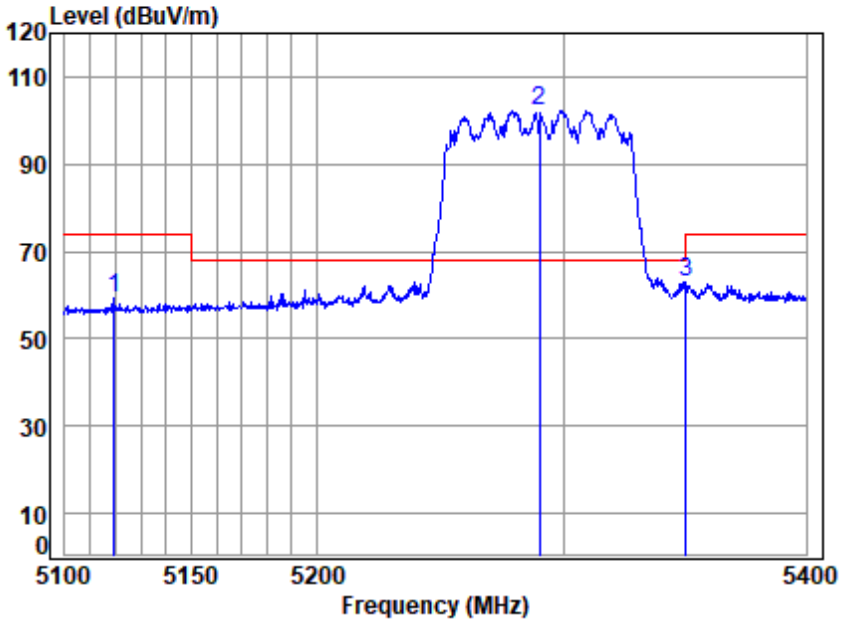
Test Mode: 10; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5290 Band edge
: 5G WIFI 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.621	10.13	32.40	30.84	34.00	45.69	54.00	-8.31	Average
2	5290.000	10.28	32.68	30.78	80.61	92.79	------	------	Average
3 pp	5358.492	10.48	32.80	30.76	38.44	50.96	54.00	-3.04	Average

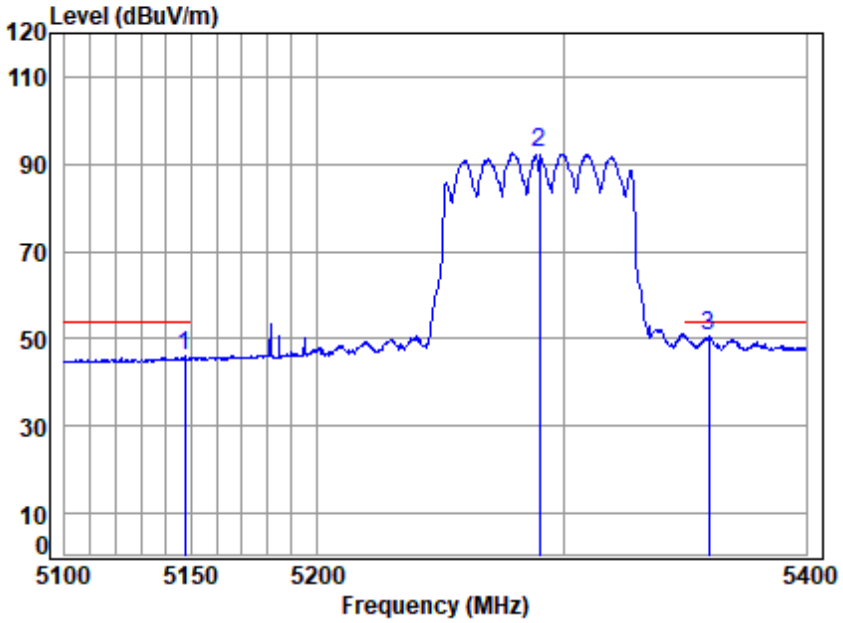
Test Mode: 10; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5290 Band edge
: 5G WIFI 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5119.568	10.02	32.34	30.85	47.62	59.13	74.00	-14.87	Peak
2 pp	5290.000	10.28	32.68	30.78	90.24	102.42	68.20	34.22	Peak
3	5350.229	10.45	32.80	30.76	50.26	62.75	74.00	-11.25	Peak

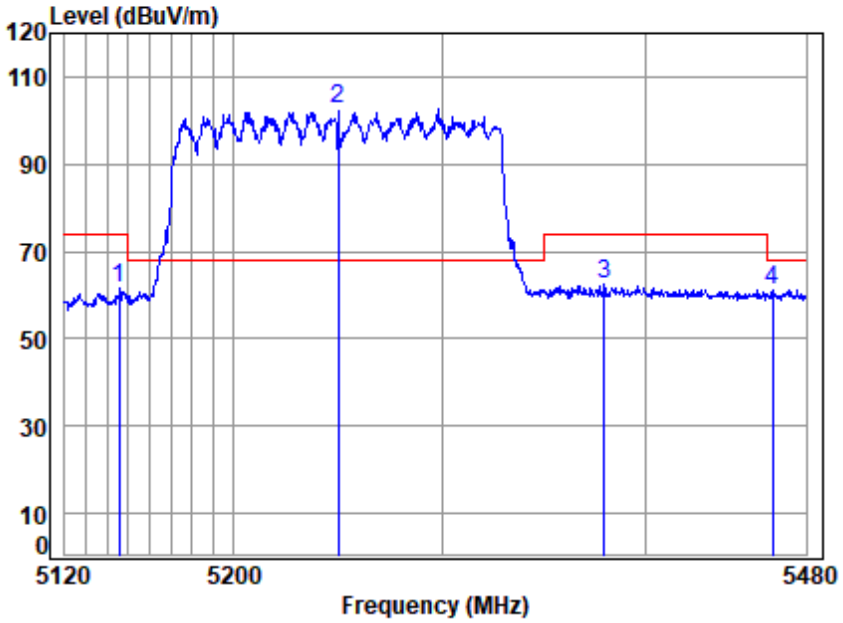
Test Mode: 10; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5290 Band edge
: 5G WIFI 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5147.443	10.13	32.39	30.84	34.18	45.86	54.00	-8.14	Average
2	5290.000	10.28	32.68	30.78	80.36	92.54	------	------	Average
3 pp	5359.717	10.48	32.80	30.76	38.12	50.64	54.00	-3.36	Average

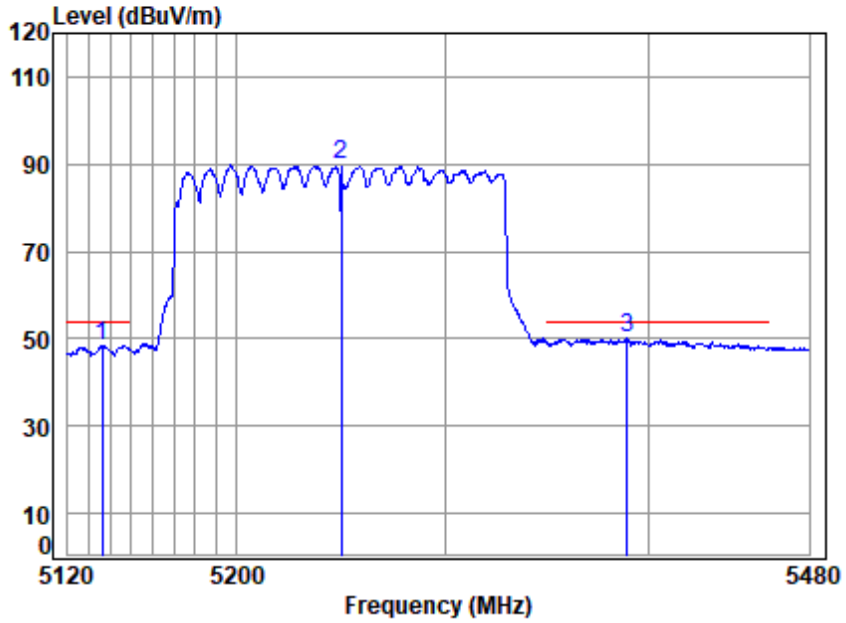
Test Mode: 09; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5250 Band edge
: 5G WIFI 11AX160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5145.810	10.12	32.39	30.84	50.14	61.81	74.00	-12.19	peak
2 pp	5250.000	10.31	32.60	30.80	90.54	102.65	68.20	34.45	peak
3	5379.646	10.55	32.80	30.75	49.71	62.31	74.00	-11.69	peak
4	5463.269	10.59	32.90	30.71	48.18	60.96	68.20	-7.24	peak

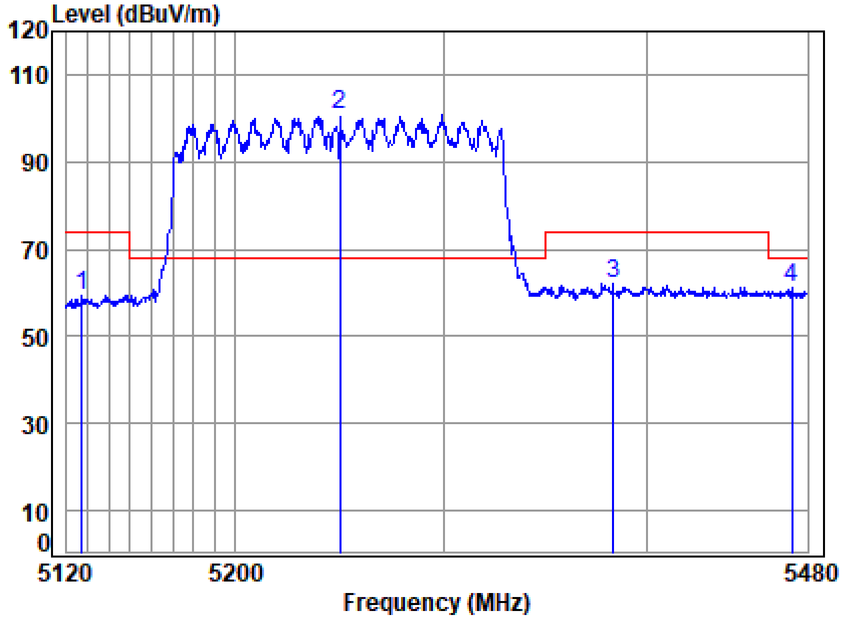
Test Mode: 09; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5250 Band edge
: 5G WIFI 11AX160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5136.029	10.09	32.37	30.85	36.86	48.47	54.00	-5.53	Average
2	5250.000	10.31	32.60	30.80	77.56	89.67	------	------	Average
3 pp	5389.158	10.58	32.80	30.74	37.35	49.99	54.00	-4.01	Average

Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle

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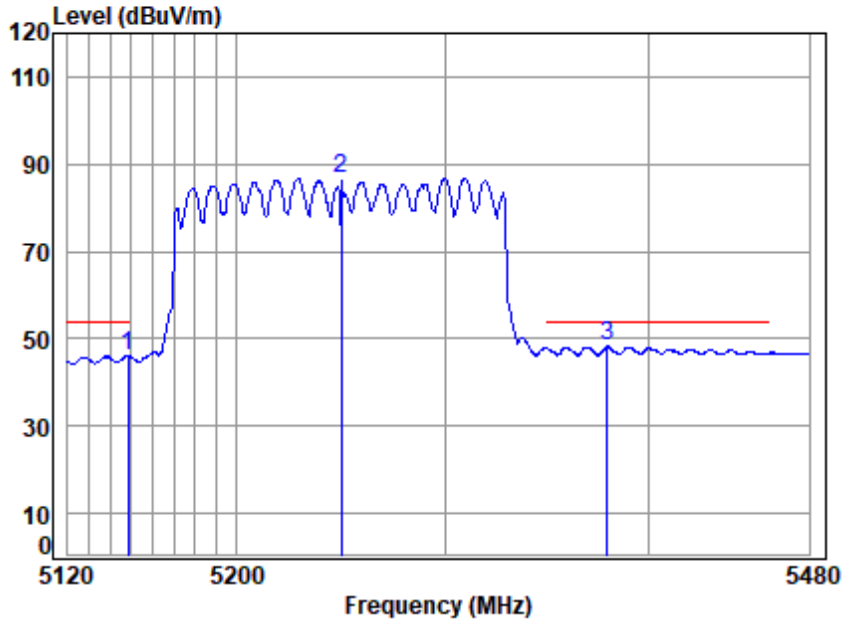
Condition: 3m VERTICAL
Job No   : 03810WM/03809WM
Mode     : 5250 Band edge
         : 5G WIFI 11AX160
```

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		5127.311	10.05	32.35	30.85	47.91	59.46	74.00	-14.54	Peak
2	pp	5250.000	10.31	32.60	30.80	88.93	101.04	68.20	32.84	peak
3		5383.302	10.56	32.80	30.75	49.38	61.99	74.00	-12.01	Peak
4		5472.186	10.59	32.90	30.71	48.56	61.34	68.20	-6.86	Peak

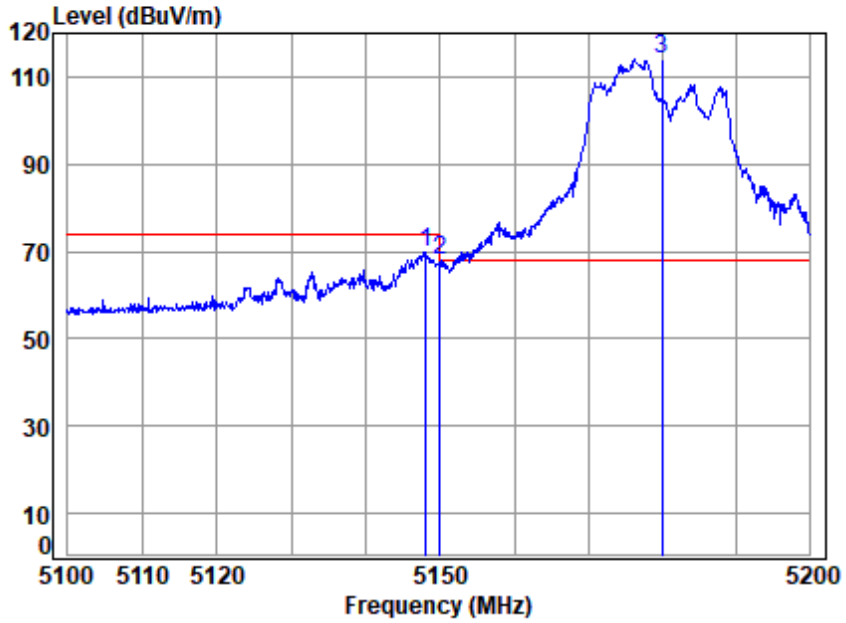
Test Mode: 09; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5250 Band edge
: 5G WIFI 11AX160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.608	10.13	32.40	30.84	34.49	46.18	54.00	-7.82	Average
2	5250.000	10.31	32.60	30.80	74.65	86.76	------	------	Average
3 pp	5379.646	10.55	32.80	30.75	35.62	48.22	54.00	-5.78	Average

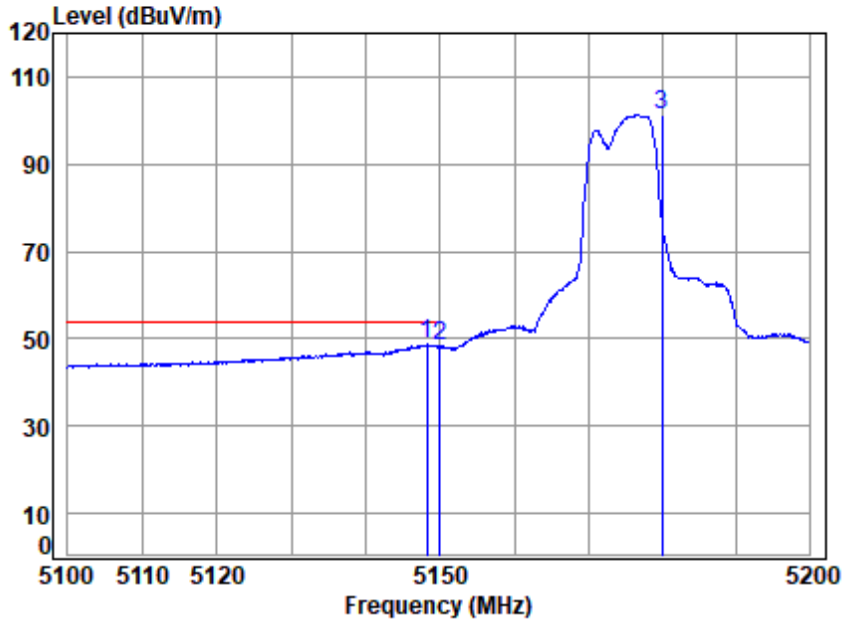
Test Mode: 09; Polarity: Horizontal; Hob Position Right; Up



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5180 Band edge
: 5G WIFI 11AX20 RU106

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.058	10.13	32.40	30.84	58.10	69.79	74.00	-4.21	peak
2	5149.980	10.14	32.40	30.84	56.07	67.77	74.00	-6.23	peak
3 pp	5180.000	10.25	32.46	30.83	102.16	114.04	68.20	45.84	peak

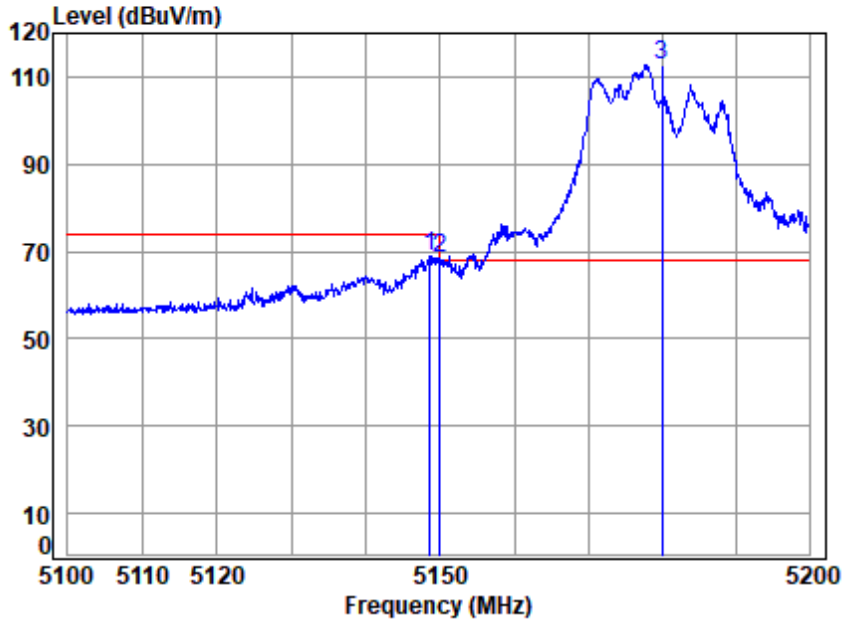
Test Mode: 09; Polarity: Horizontal; Hob Position Right; Up



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5180 Band edge
: 5G WIFI 11AX20 RU106

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5148.257	10.13	32.40	30.84	36.91	48.60	54.00	-5.40	Average
2	5149.980	10.14	32.40	30.84	36.69	48.39	54.00	-5.61	Average
3	5180.000	10.25	32.46	30.83	89.31	101.19	------	------	Average

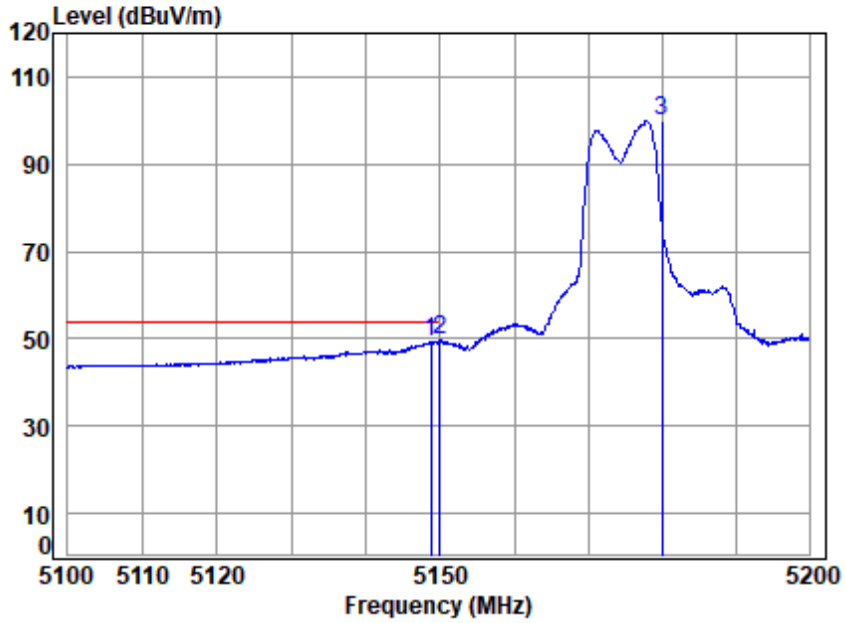
Test Mode: 09; Polarity: Vertical; Hob Position Right; Up



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5180 Band edge
: 5G WIFI 11AX20 RU106

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.558	10.13	32.40	30.84	57.10	68.79	74.00	-5.21	Peak
2	5149.980	10.14	32.40	30.84	56.74	68.44	74.00	-5.56	Peak
3 pp	5180.000	10.25	32.46	30.83	100.93	112.81	68.20	44.61	Peak

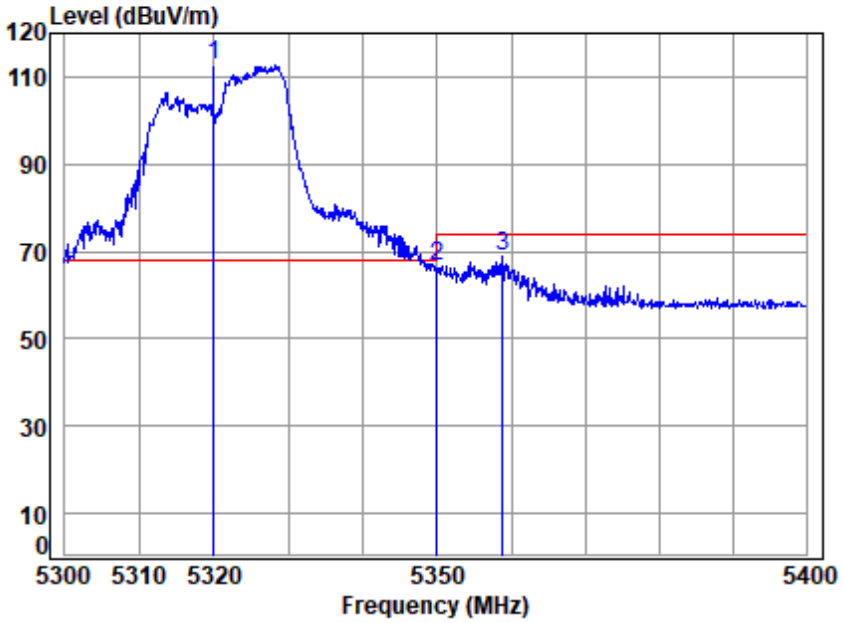
Test Mode: 09; Polarity: Vertical; Hob Position Right; Up



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5180 Band edge
: 5G WIFI 11AX20 RU106

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.757	10.14	32.40	30.84	37.47	49.17	54.00	-4.83	Average
2 pp	5149.980	10.14	32.40	30.84	38.01	49.71	54.00	-4.29	Average
3	5180.000	10.25	32.46	30.83	87.96	99.84	------	------	Average

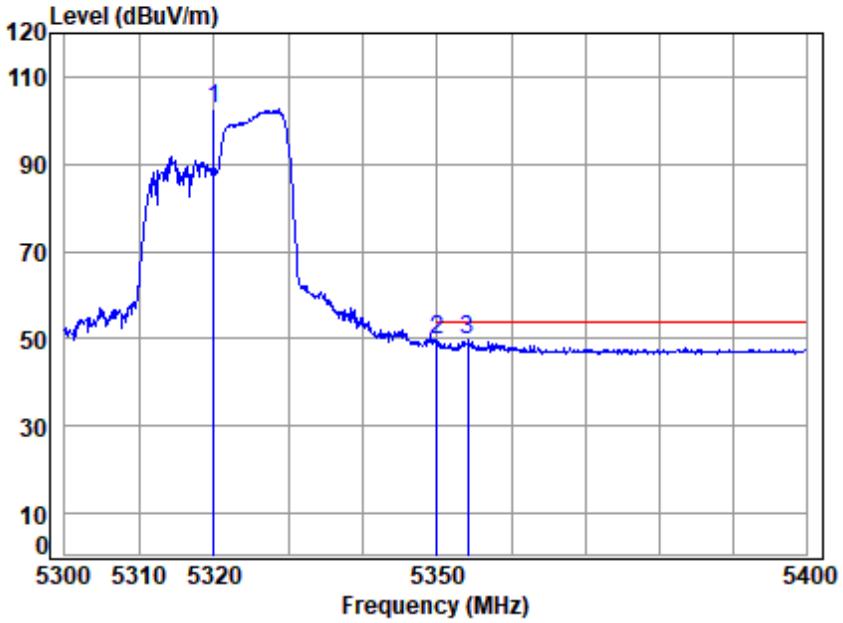
Test Mode: 10; Polarity: Horizontal; Hob Position Right; Up



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5320 Band edge
: 5G WIFI 11AX20 RU106

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5320.000	10.35	32.74	30.77	100.20	112.52	68.20	44.32	peak
2	5350.020	10.45	32.80	30.76	53.93	66.42	74.00	-7.58	peak
3	5358.874	10.48	32.80	30.76	56.36	68.88	74.00	-5.12	peak

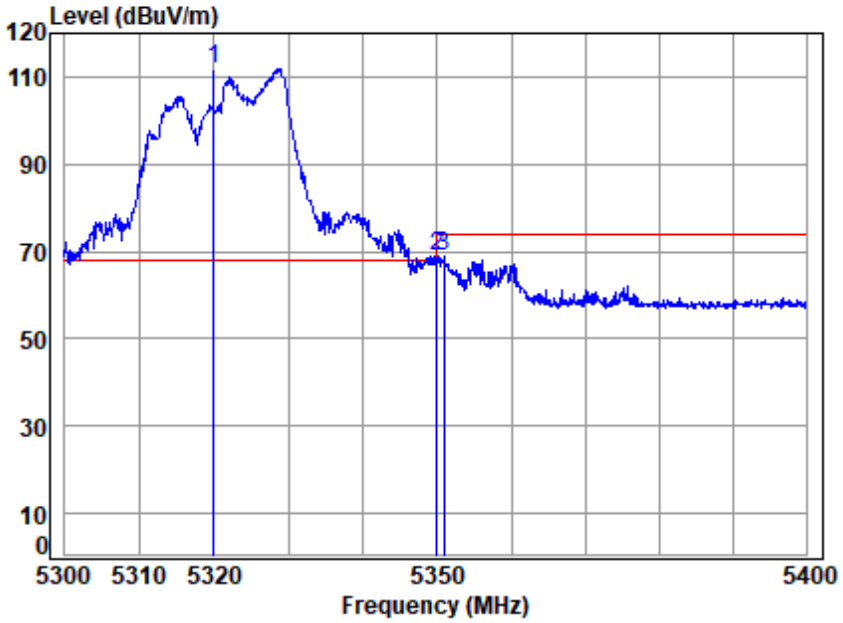
Test Mode: 10; Polarity: Horizontal; Hob Position Right; Up



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5320 Band edge
: 5G WIFI 11AX20 RU106

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	10.35	32.74	30.77	90.17	102.49	------	------	Average
2 pp	5350.020	10.45	32.80	30.76	37.43	49.92	54.00	-4.08	Average
3	5354.168	10.46	32.80	30.76	37.07	49.57	54.00	-4.43	Average

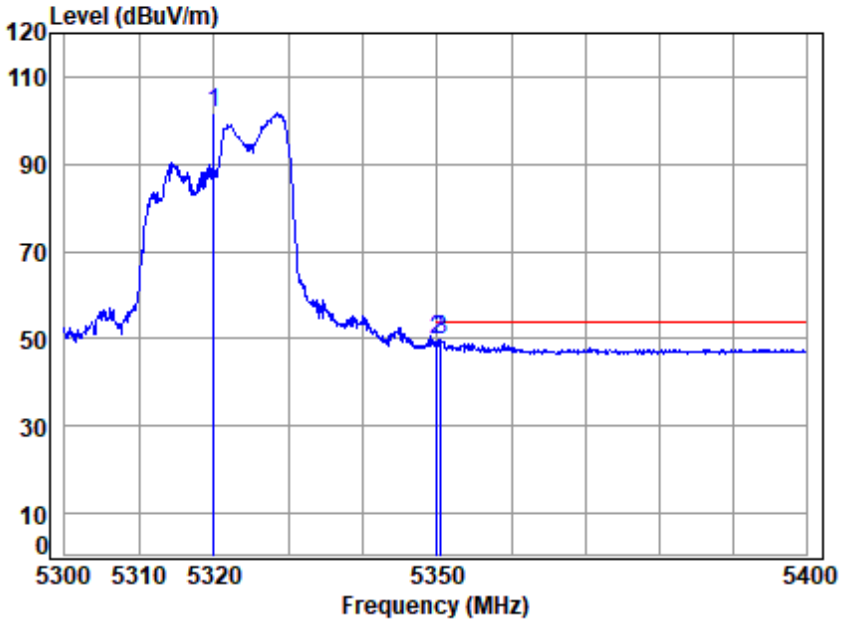
Test Mode: 10; Polarity: Vertical; Hob Position Right; Up



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5320 Band edge
: 5G WIFI 11AX20 RU106

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5320.000	10.35	32.74	30.77	99.45	111.77	68.20	43.57	Peak
2	5350.020	10.45	32.80	30.76	56.30	68.79	74.00	-5.21	Peak
3	5350.966	10.45	32.80	30.76	56.23	68.72	74.00	-5.28	Peak

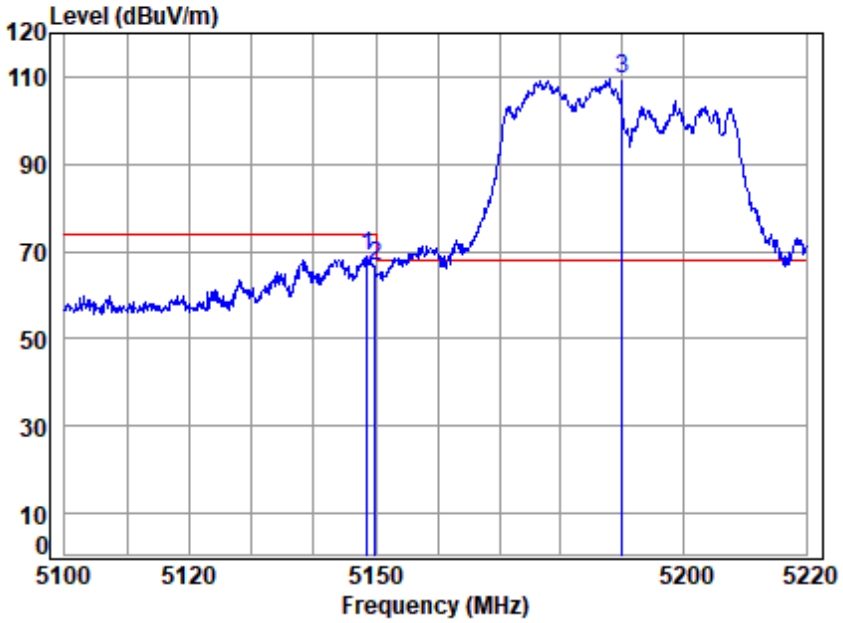
Test Mode: 10; Polarity: Vertical; Hob Position Right; Up



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5320 Band edge
: 5G WIFI 11AX20 RU106

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	10.35	32.74	30.77	89.45	101.77	------	------	Average
2	5350.020	10.45	32.80	30.76	37.16	49.65	54.00	-4.35	Average
3 pp	5350.566	10.45	32.80	30.76	37.31	49.80	54.00	-4.20	Average

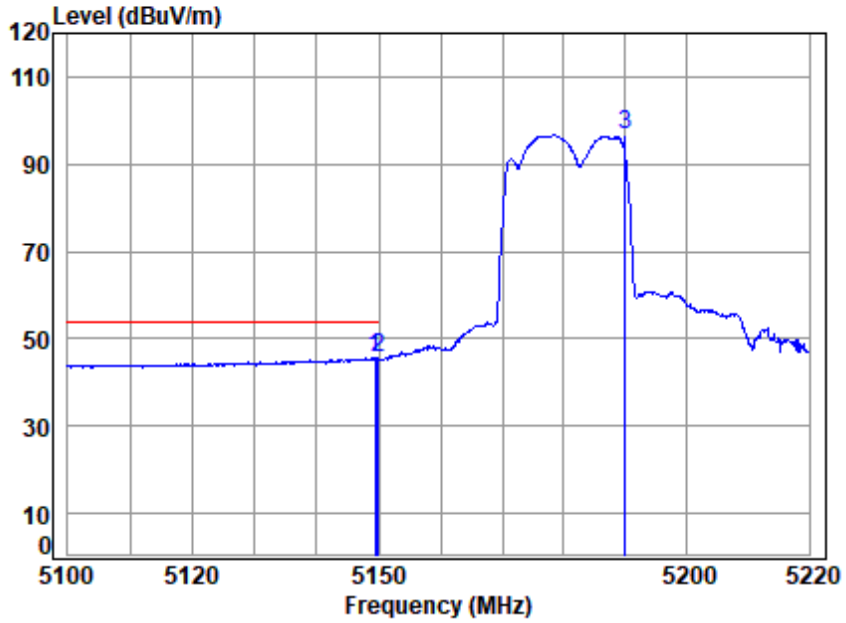
Test Mode: 09; Polarity: Horizontal; Hob Position Right; Up



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5190 Band edge
: 5G WIFI 11AX40 RU242

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.623	10.13	32.40	30.84	57.39	69.08	74.00	-4.92	peak
2	5149.980	10.14	32.40	30.84	54.98	66.68	74.00	-7.32	peak
3 pp	5190.000	10.29	32.48	30.82	97.43	109.38	68.20	41.18	peak

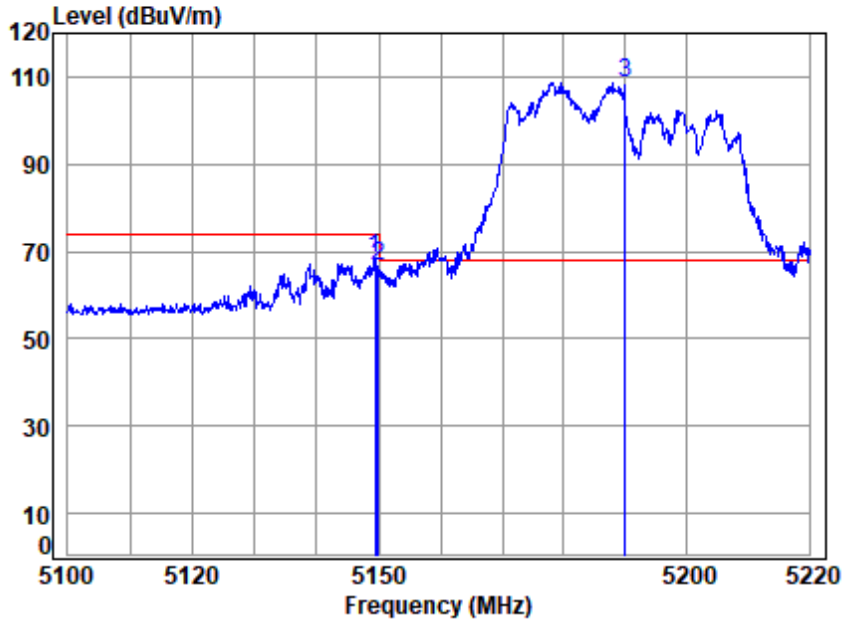
Test Mode: 09; Polarity: Horizontal; Hob Position Right; Up



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5190 Band edge
: 5G WIFI 11AX40 RU242

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5149.461	10.14	32.40	30.84	33.80	45.50	54.00	-8.50	Average
2	5149.980	10.14	32.40	30.84	33.80	45.50	54.00	-8.50	Average
3	5190.000	10.29	32.48	30.82	84.66	96.61	------	------	Average

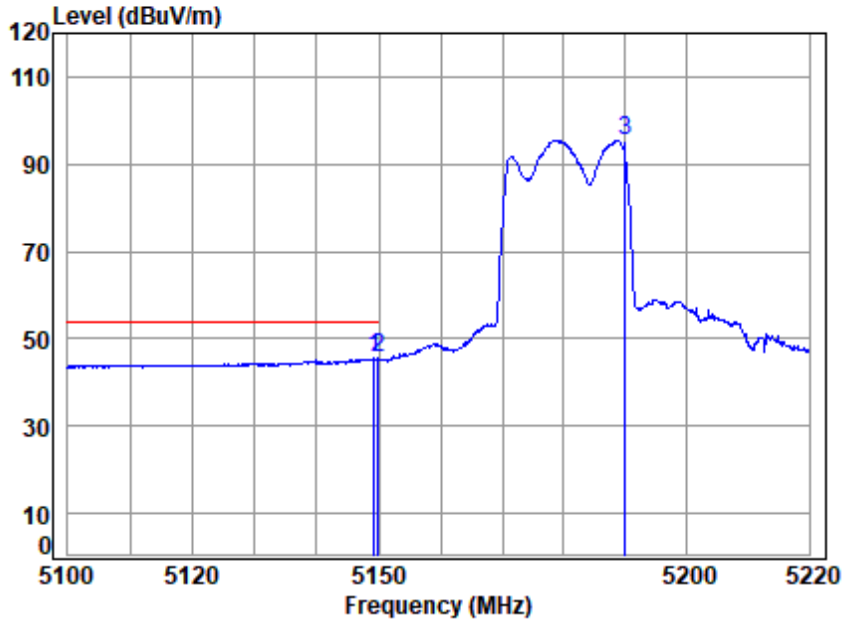
Test Mode: 09; Polarity: Vertical; Hob Position Right; Up



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5190 Band edge
: 5G WIFI 11AX40 RU242

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.461	10.14	32.40	30.84	56.55	68.25	74.00	-5.75	Peak
2	5149.980	10.14	32.40	30.84	54.72	66.42	74.00	-7.58	Peak
3 pp	5190.000	10.29	32.48	30.82	96.56	108.51	68.20	40.31	Peak

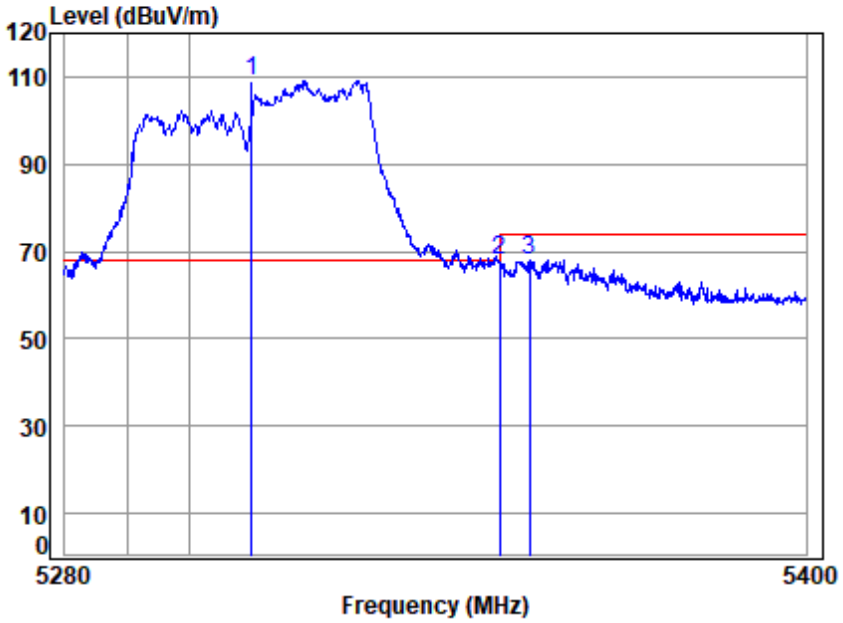
Test Mode: 09; Polarity: Vertical; Hob Position Right; Up



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5190 Band edge
: 5G WIFI 11AX40 RU242

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.342	10.14	32.40	30.84	33.71	45.41	54.00	-8.59	Average
2 pp	5149.980	10.14	32.40	30.84	33.84	45.54	54.00	-8.46	Average
3	5190.000	10.29	32.48	30.82	83.50	95.45	------	------	Average

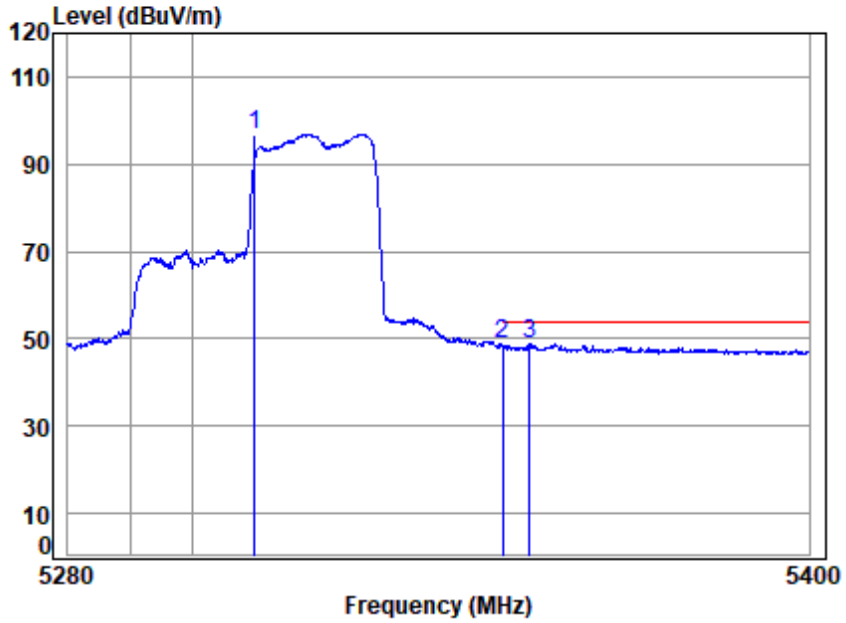
Test Mode: 10; Polarity: Horizontal; Hob Position Right; Up



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5310 Band edge
: 5G WIFI 11AX40 RU242

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5310.000	10.31	32.72	30.78	97.02	109.27	68.20	41.07	peak
2	5350.020	10.45	32.80	30.76	55.30	67.79	74.00	-6.21	peak
3	5354.924	10.47	32.80	30.76	55.67	68.18	74.00	-5.82	peak

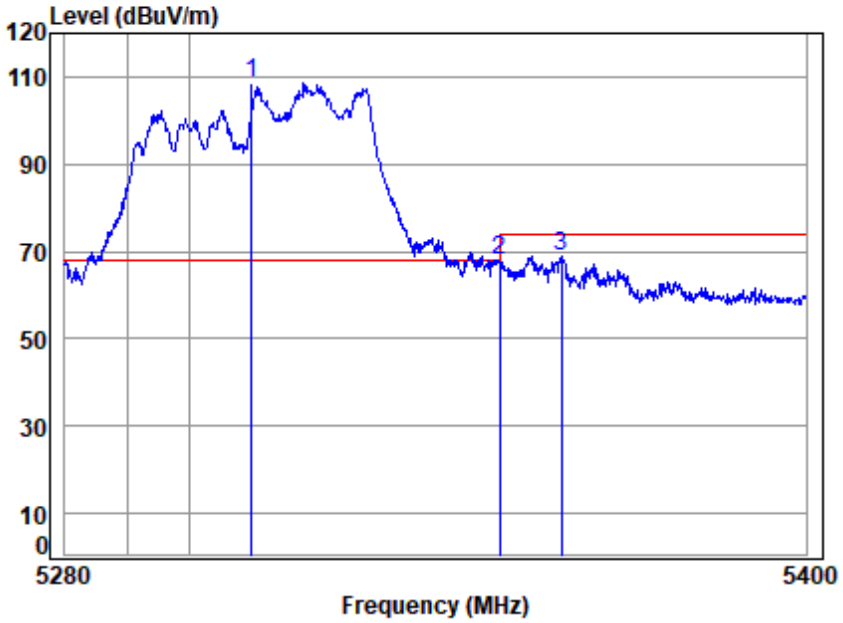
Test Mode: 10; Polarity: Horizontal; Hob Position Right; Up



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5310 Band edge
: 5G WIFI 11AX40 RU242

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5310.000	10.31	32.72	30.78	84.70	96.95	------	------	Average
2	5350.020	10.45	32.80	30.76	36.11	48.60	54.00	-5.40	Average
3 pp	5354.443	10.47	32.80	30.76	36.21	48.72	54.00	-5.28	Average

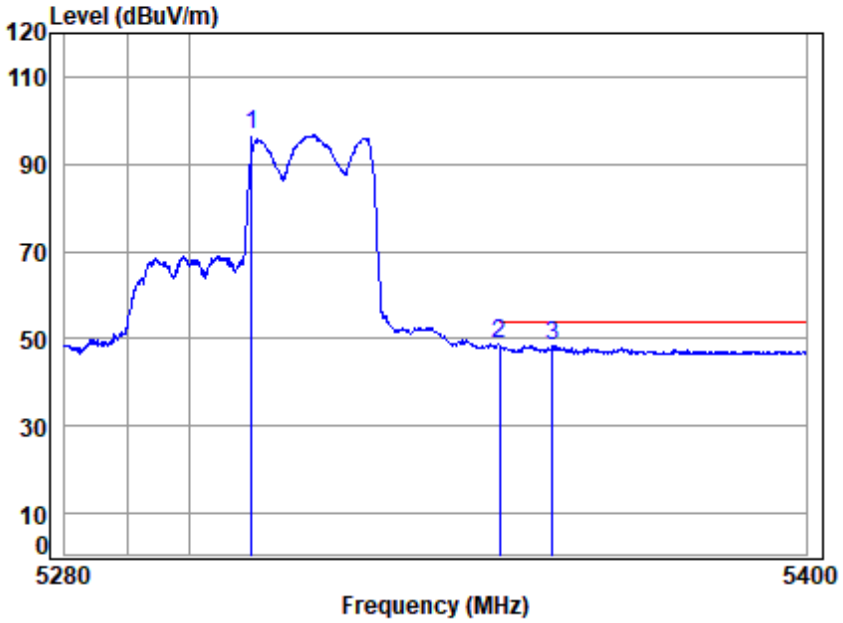
Test Mode: 10; Polarity: Vertical; Hob Position Right; Up



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5310 Band edge
: 5G WIFI 11AX40 RU242

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5310.000	10.31	32.72	30.78	96.16	108.41	68.20	40.21	Peak
2	5350.020	10.45	32.80	30.76	55.50	67.99	74.00	-6.01	Peak
3	5360.102	10.48	32.80	30.76	56.56	69.08	74.00	-4.92	Peak

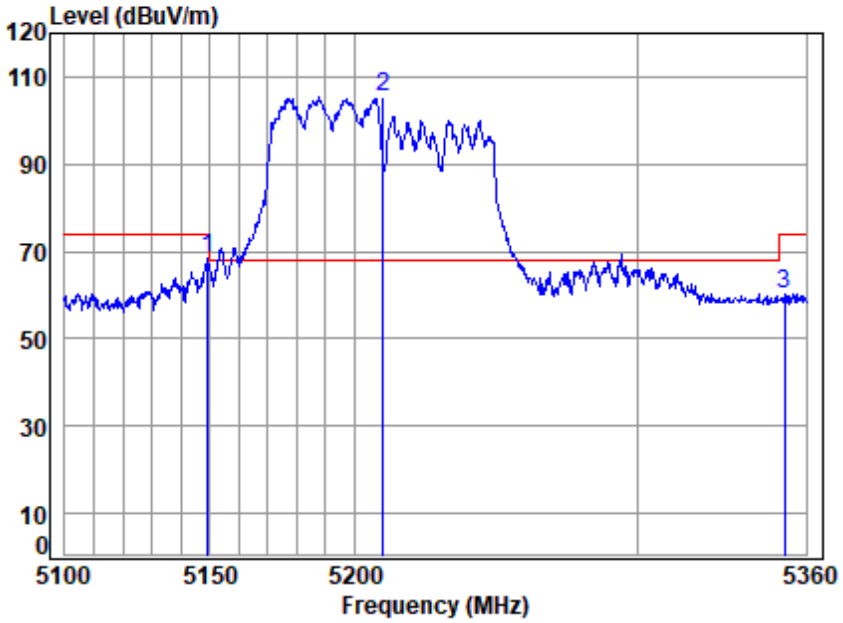
Test Mode: 10; Polarity: Vertical; Hob Position Right; Up



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5310 Band edge
: 5G WIFI 11AX40 RU242

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5310.000	10.31	32.72	30.78	84.41	96.66	------	------	Average
2 pp	5350.020	10.45	32.80	30.76	36.24	48.73	54.00	-5.27	Average
3	5358.656	10.48	32.80	30.76	35.95	48.47	54.00	-5.53	Average

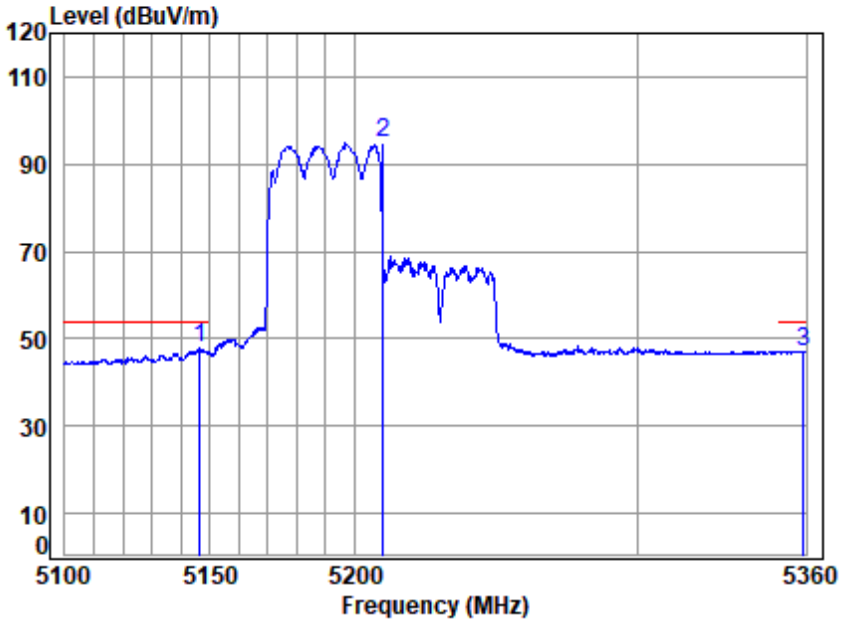
Test Mode: 09; Polarity: Horizontal; Hob Position Right; Up



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5210 Band edge
: 5G WIFI 11AX80 RU484

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.178	10.14	32.40	30.84	56.60	68.30	74.00	-5.70	peak
2 pp	5210.000	10.32	32.52	30.82	93.42	105.44	68.20	37.24	peak
3	5352.276	10.46	32.80	30.76	47.66	60.16	74.00	-13.84	peak

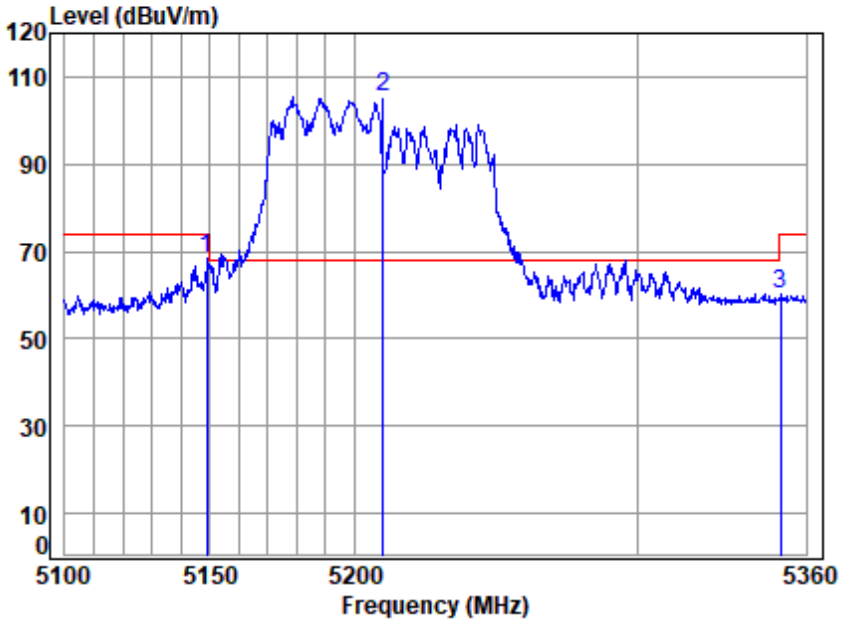
Test Mode: 09; Polarity: Horizontal; Hob Position Right; Up



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5210 Band edge
: 5G WIFI 11AX80 RU484

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5146.363	10.13	32.39	30.84	36.24	47.92	54.00	-6.08	Average
2	5210.000	10.32	32.52	30.82	82.71	94.73	------	------	Average
3	5359.201	10.48	32.80	30.76	34.70	47.22	54.00	-6.78	Average

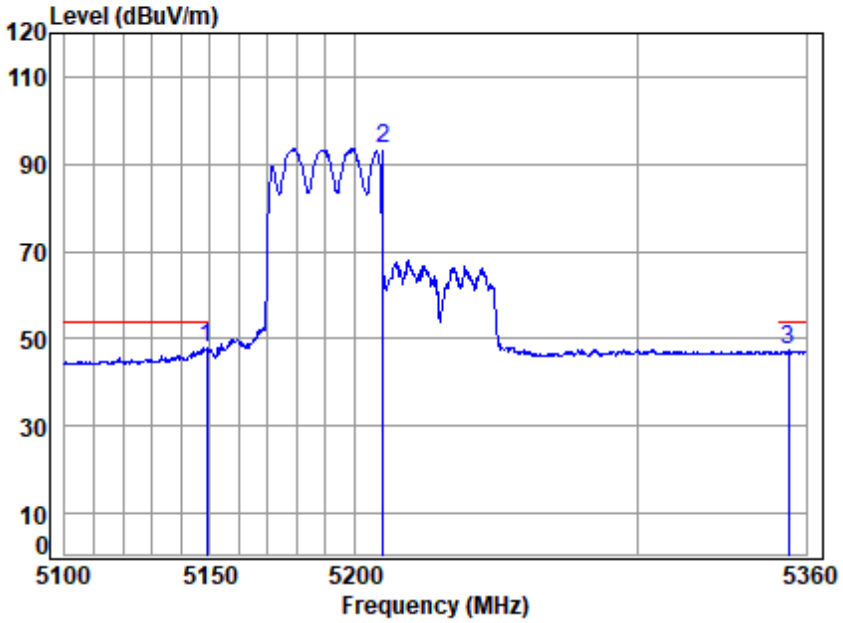
Test Mode: 09; Polarity: Vertical; Hob Position Right; Up



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5210 Band edge
: 5G WIFI 11AX80 RU484

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.922	10.14	32.40	30.84	56.88	68.58	74.00	-5.42	Peak
2 pp	5210.000	10.32	32.52	30.82	93.43	105.45	68.20	37.25	Peak
3	5350.680	10.45	32.80	30.76	47.93	60.42	74.00	-13.58	Peak

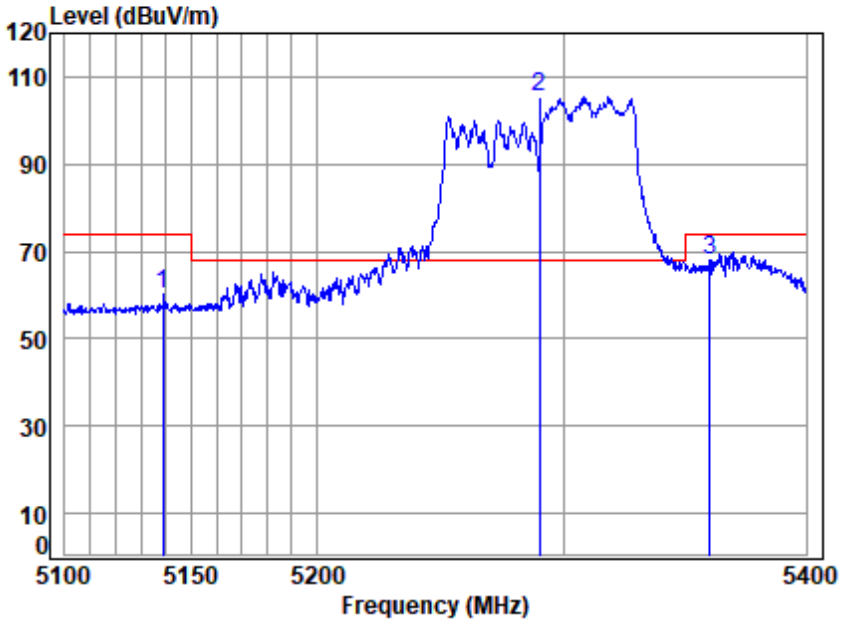
Test Mode: 09; Polarity: Vertical; Hob Position Right; Up



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5210 Band edge
: 5G WIFI 11AX80 RU484

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5148.922	10.14	32.40	30.84	36.29	47.99	54.00	-6.01	Average
2	5210.000	10.32	32.52	30.82	81.61	93.63	------	------	Average
3	5353.607	10.46	32.80	30.76	34.73	47.23	54.00	-6.77	Average

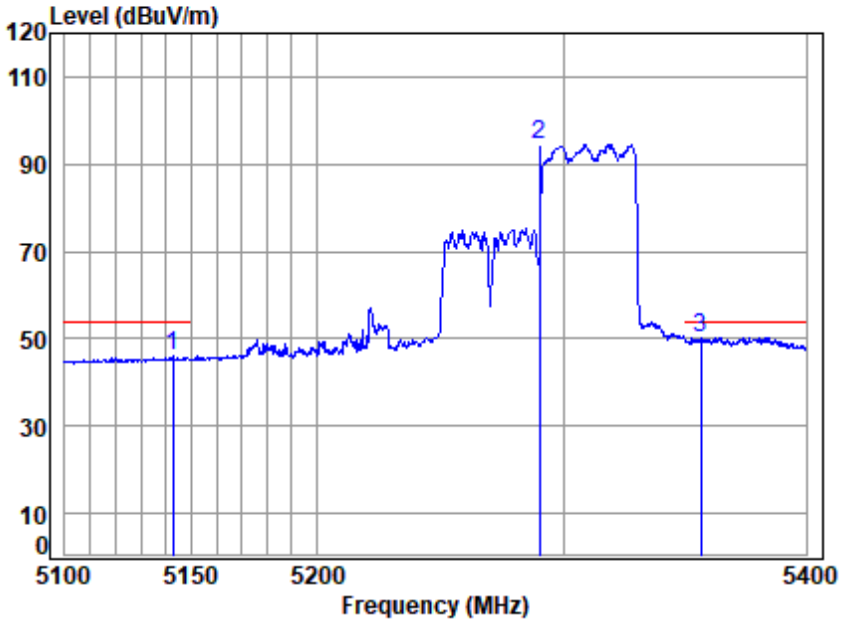
Test Mode: 10; Polarity: Horizontal; Hob Position Right; Up



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5290 Band edge
: 5G WIFI 11AX80 RU484

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5138.918	10.10	32.38	30.84	48.41	60.05	74.00	-13.95	peak
2 pp	5290.000	10.28	32.68	30.78	93.30	105.48	68.20	37.28	peak
3	5360.023	10.48	32.80	30.76	55.68	68.20	74.00	-5.80	peak

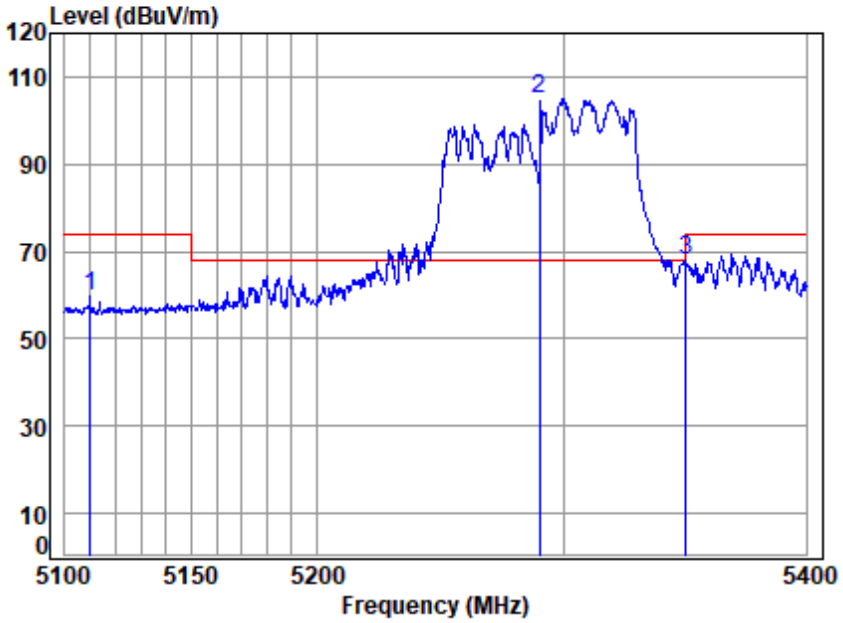
Test Mode: 10; Polarity: Horizontal; Hob Position Right; Up



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5290 Band edge
: 5G WIFI 11AX80 RU484

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5142.738	10.11	32.39	30.84	34.20	45.86	54.00	-8.14	Average
2	5290.000	10.28	32.68	30.78	82.28	94.46	------	------	Average
3 pp	5356.348	10.47	32.80	30.76	37.67	50.18	54.00	-3.82	Average

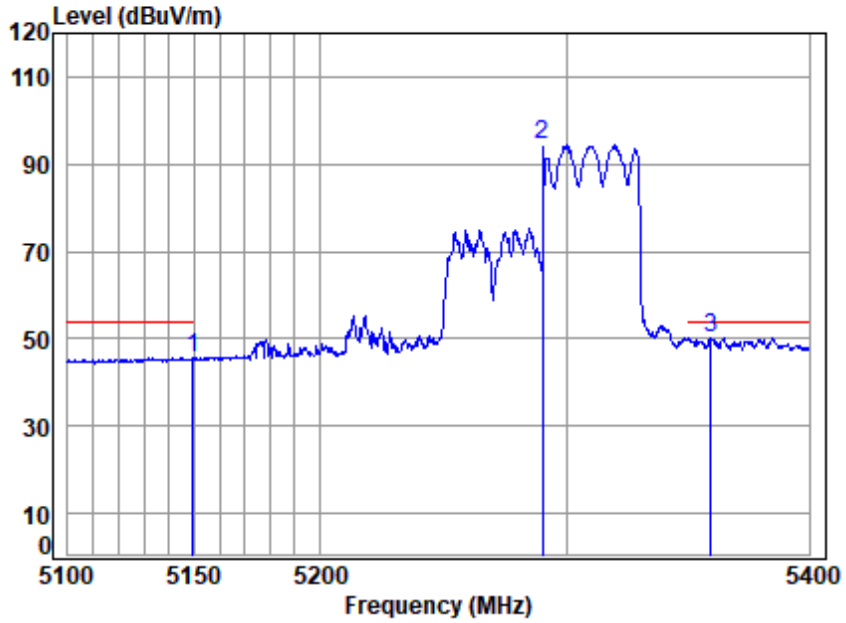
Test Mode: 10; Polarity: Vertical; Hob Position Right; Up



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5290 Band edge
: 5G WIFI 11AX80 RU484

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5109.921	9.99	32.32	30.86	48.16	59.61	74.00	-14.39	Peak
2 pp	5290.000	10.28	32.68	30.78	92.69	104.87	68.20	36.67	Peak
3	5350.229	10.45	32.80	30.76	55.32	67.81	74.00	-6.19	Peak

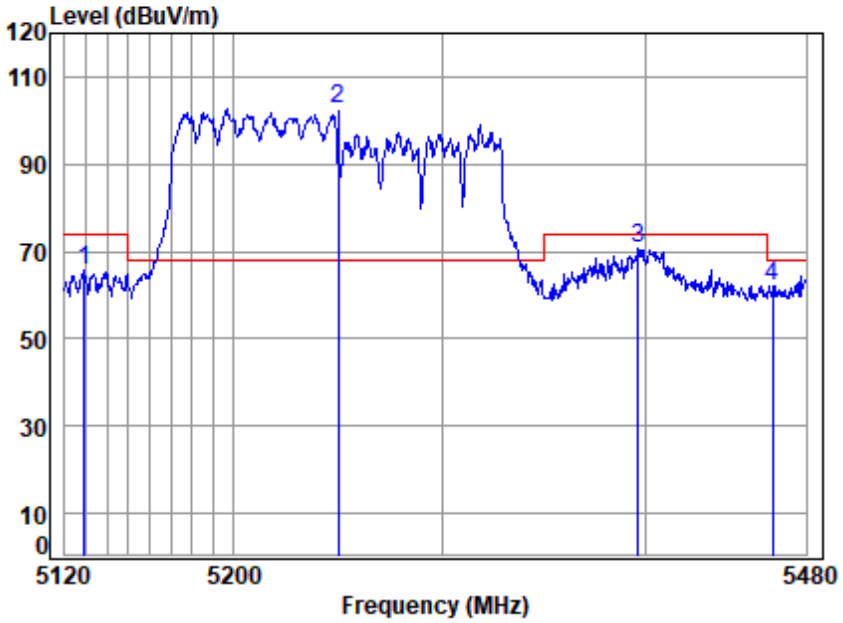
Test Mode: 10; Polarity: Vertical; Hob Position Right; Up



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5290 Band edge
: 5G WIFI 11AX80 RU484

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.503	10.14	32.40	30.84	34.13	45.83	54.00	-8.17	Average
2	5290.000	10.28	32.68	30.78	82.13	94.31	------	------	Average
3 pp	5359.104	10.48	32.80	30.76	37.55	50.07	54.00	-3.93	Average

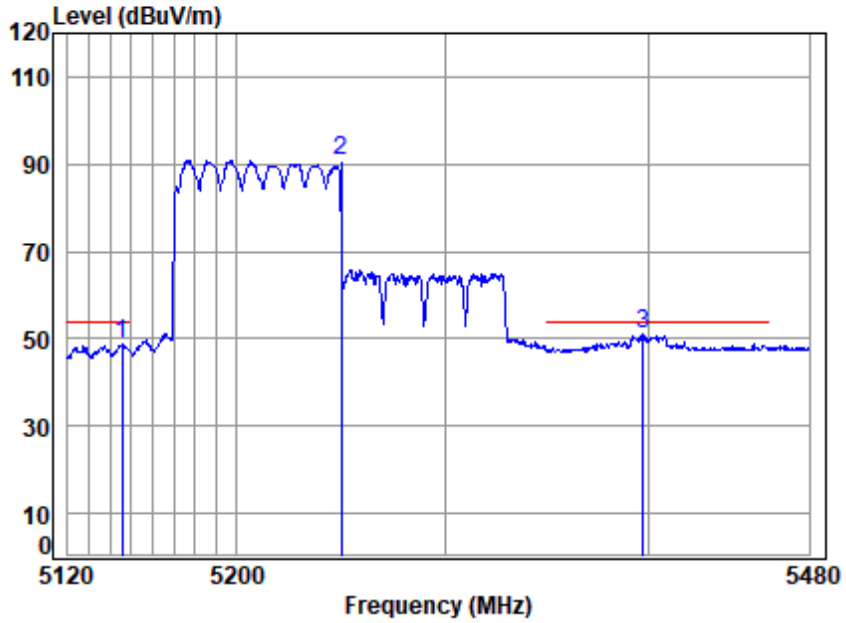
Test Mode: 10; Polarity: Horizontal; Hob Position Right; Up



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5250 Band edge
: 5G WIFI 11AX160 RU996

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5129.402	10.06	32.36	30.85	54.08	65.65	74.00	-8.35	peak
2 pp	5250.000	10.31	32.60	30.80	90.46	102.57	68.20	34.37	peak
3	5396.487	10.61	32.80	30.74	58.02	70.69	74.00	-3.31	peak
4	5463.269	10.59	32.90	30.71	49.41	62.19	68.20	-6.01	peak

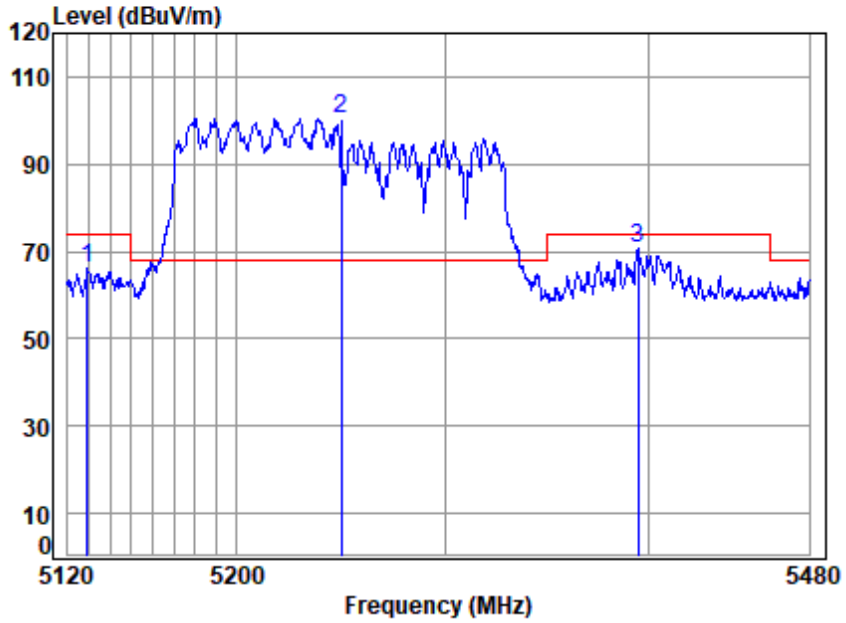
Test Mode: 10; Polarity: Horizontal; Hob Position Right; Up



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5250 Band edge
: 5G WIFI 11AX160 RU996

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5145.460	10.12	32.39	30.84	36.99	48.66	54.00	-5.34	Average
2	5250.000	10.31	32.60	30.80	78.86	90.97	------	------	Average
3 pp	5397.221	10.61	32.80	30.74	38.28	50.95	54.00	-3.05	Average

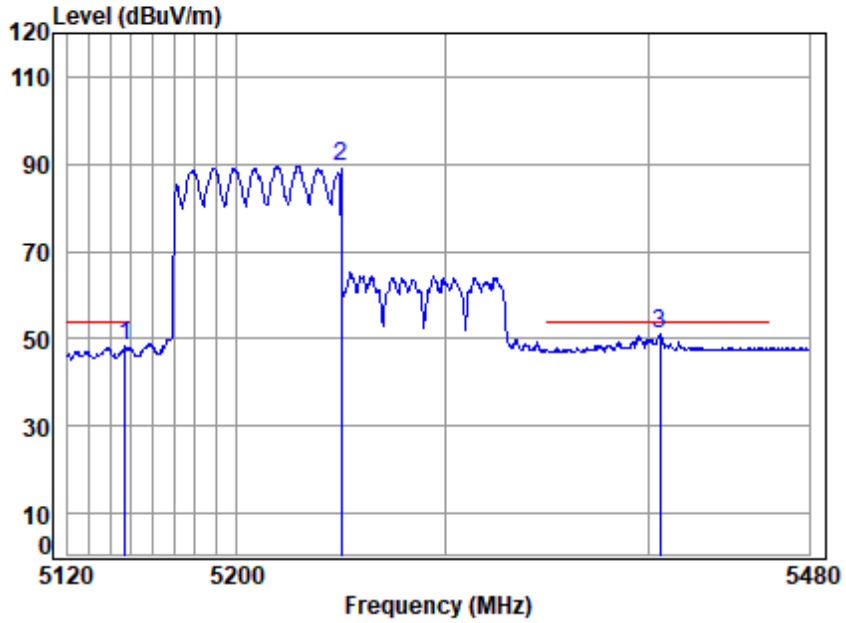
Test Mode: 10; Polarity: Vertical; Hob Position Right; Up



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5250 Band edge
: 5G WIFI 11AX160 RU996

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5129.402	10.06	32.36	30.85	54.67	66.24	74.00	-7.76	Peak
2 pp	5250.000	10.25	32.46	30.83	88.54	100.42	68.20	32.22	Peak
3	5394.654	10.60	32.80	30.74	57.98	70.64	74.00	-3.36	Peak

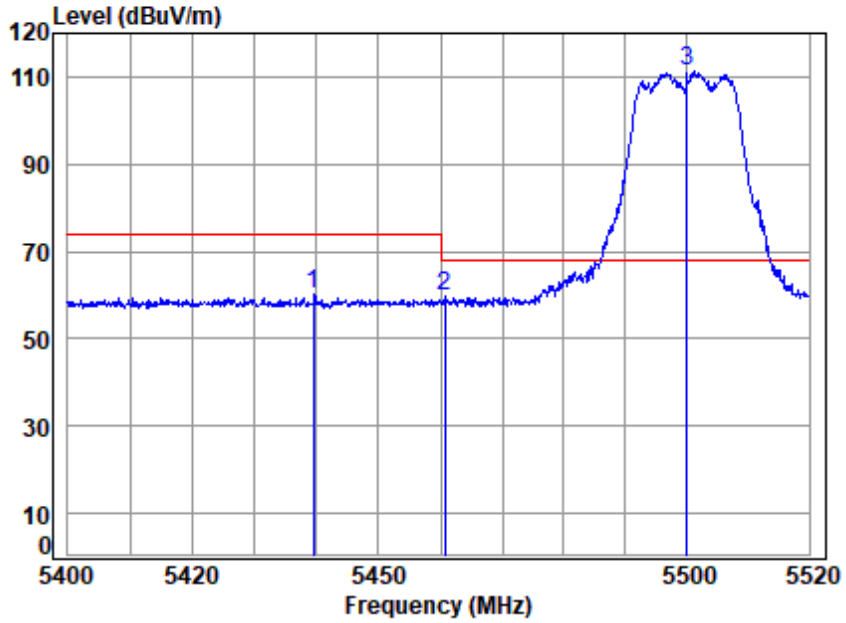
Test Mode: 10; Polarity: Vertical; Hob Position Right; Up



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5250 Band edge
: 5G WIFI 11AX160 RU996

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5146.859	10.13	32.39	30.84	36.57	48.25	54.00	-5.75	Average
2	5250.000	10.32	32.54	30.81	77.33	89.38	------	------	Average
3 pp	5405.663	10.62	32.81	30.74	38.19	50.88	54.00	-3.12	Average

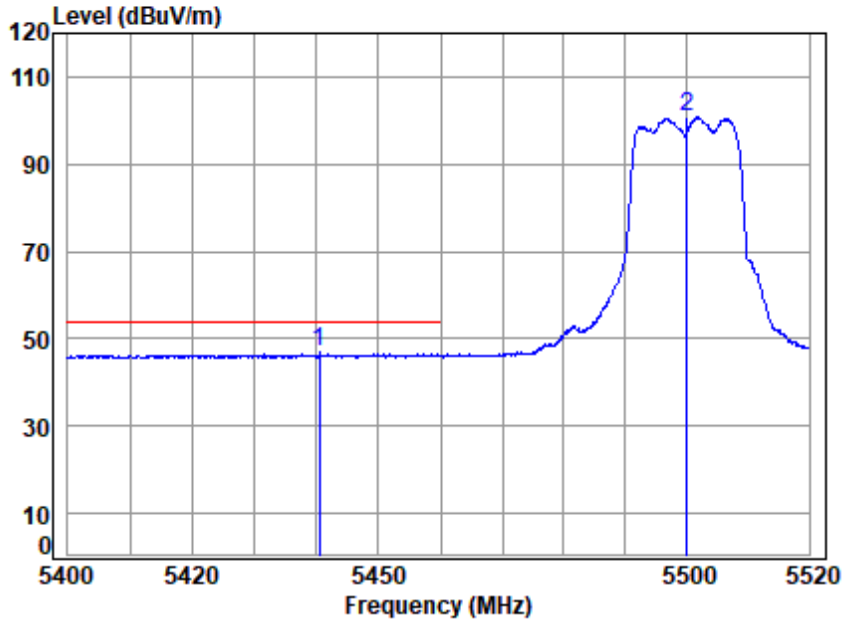
Test Mode: 11; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5500 Band edge
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5439.548	10.60	32.88	30.72	47.49	60.25	74.00	-13.75	peak
2	5460.750	10.60	32.90	30.72	46.80	59.58	68.20	-8.62	peak
3 pp	5500.000	10.58	32.90	30.70	98.50	111.28	68.20	43.08	peak

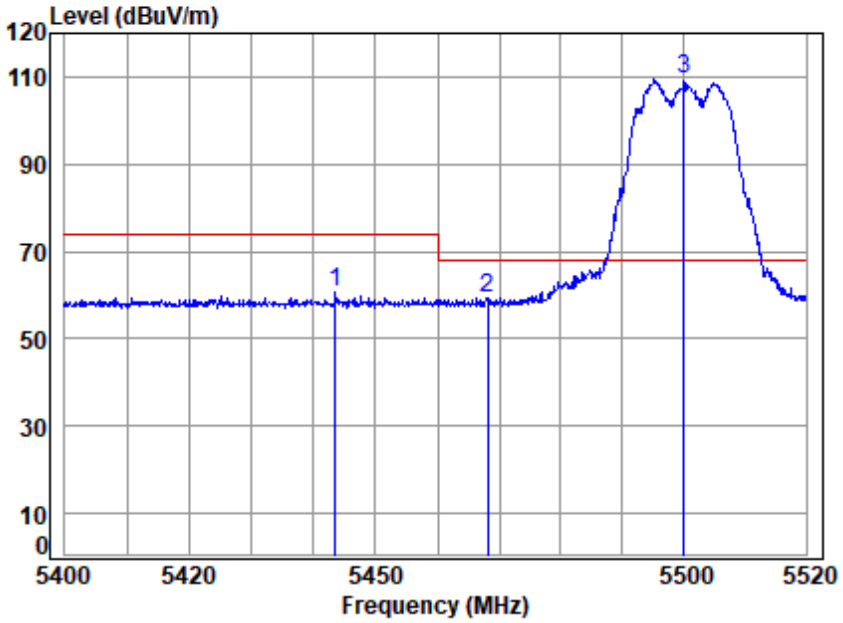
Test Mode: 11; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5500 Band edge
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5440.385	10.60	32.88	30.72	34.07	46.83	54.00	-7.17	Average
2	5500.000	10.58	32.90	30.70	88.11	100.89	------	------	Average

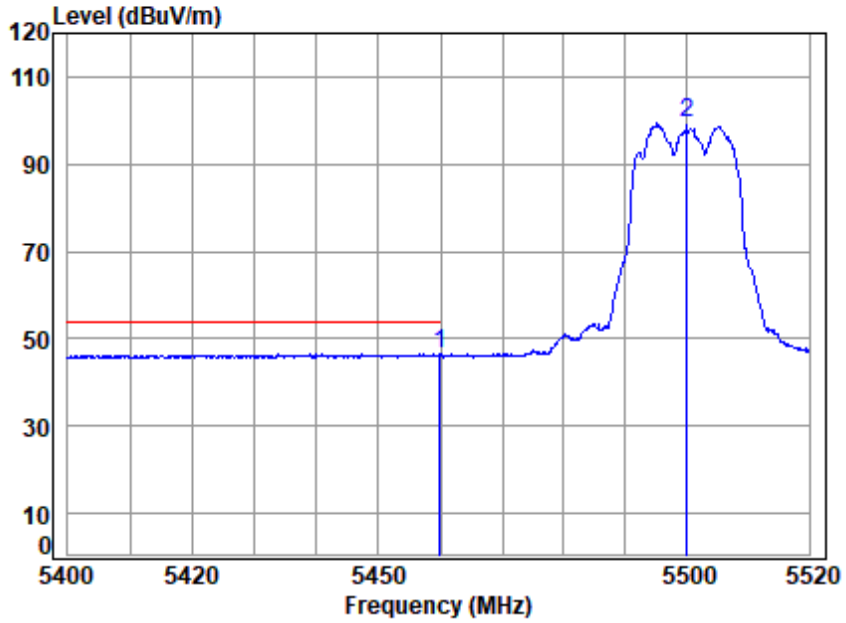
Test Mode: 11; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5500 Band edge
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5443.495	10.60	32.89	30.72	47.72	60.49	74.00	-13.51	Peak
2	5468.077	10.59	32.90	30.71	46.47	59.25	68.20	-8.95	peak
3 pp	5500.000	10.58	32.90	30.70	96.80	109.58	68.20	41.38	Peak

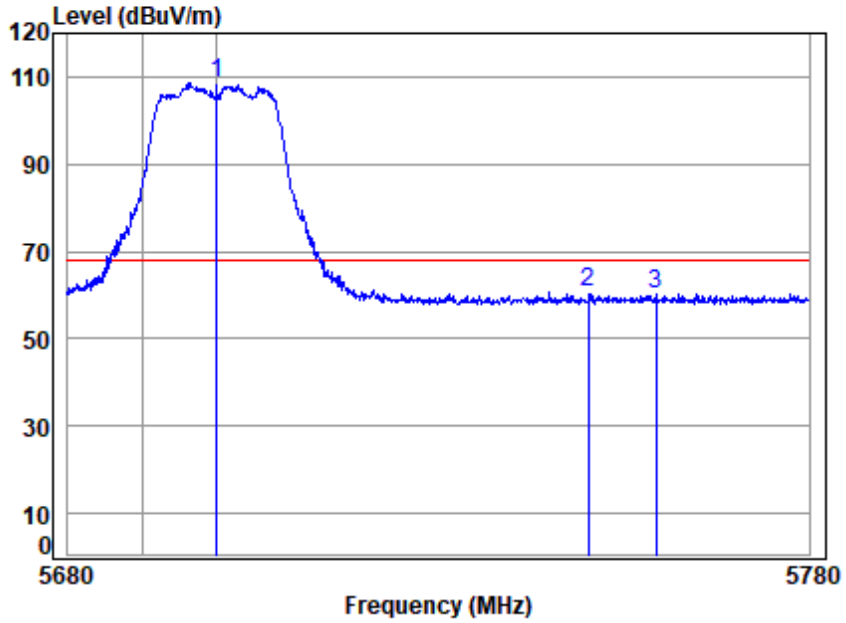
Test Mode: 11; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5500 Band edge
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5459.910	10.60	32.90	30.72	33.89	46.67	54.00	-7.33	Average
2	5500.000	10.58	32.90	30.70	86.48	99.26	------	------	Average

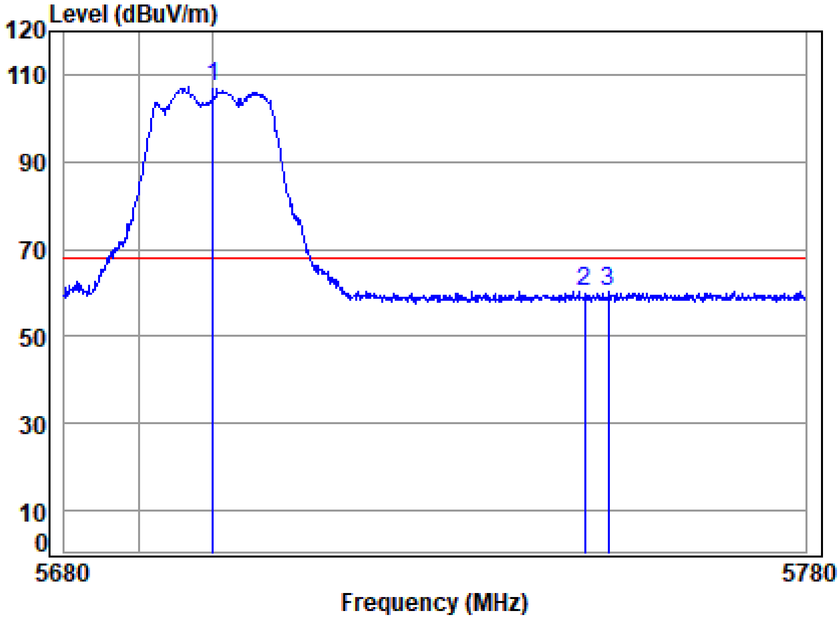
Test Mode: 11; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5700 Band edge
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5700.000	10.56	33.20	30.62	95.56	108.70	68.20	40.50	peak
2	5750.000	10.79	33.30	30.60	47.04	60.53	68.20	-7.67	peak
3	5759.257	10.83	33.32	30.60	46.67	60.22	68.20	-7.98	peak

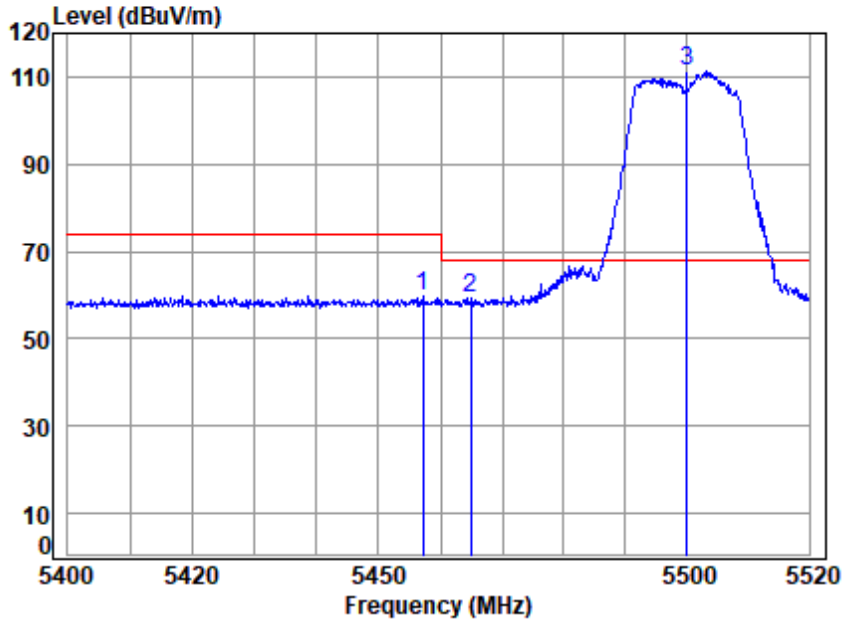
Test Mode: 11; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5700 Band edge
: 5G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5700.000	10.56	33.20	30.62	94.29	107.43	68.20	39.23	Peak
2	5750.000	10.79	33.30	30.60	46.80	60.29	68.20	-7.91	Peak
3	5753.330	10.81	33.31	30.60	46.77	60.29	68.20	-7.91	Peak

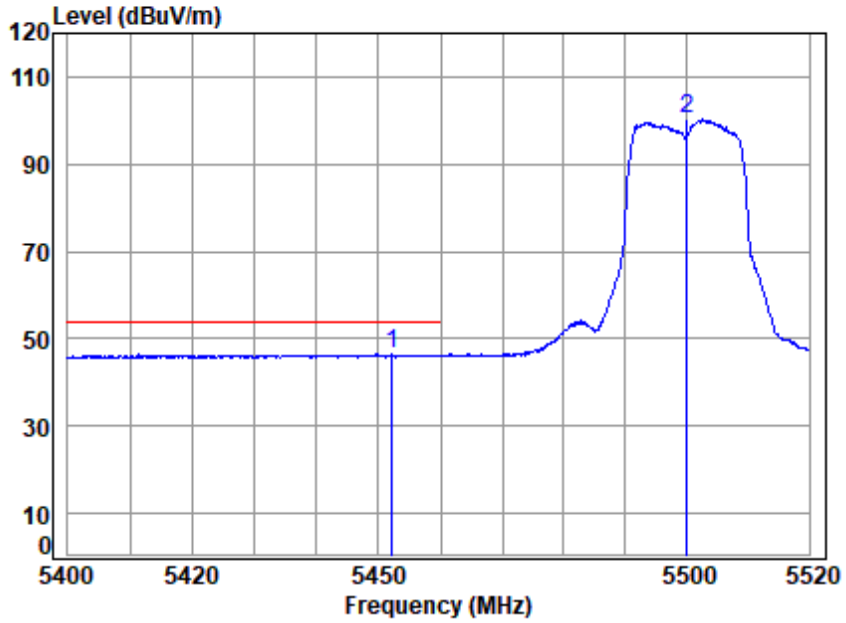
Test Mode: 11; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5500 Band edge
: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5457.151	10.60	32.90	30.72	47.20	59.98	74.00	-14.02	peak
2	5464.833	10.59	32.90	30.71	46.53	59.31	68.20	-8.89	peak
3 pp	5500.000	10.58	32.90	30.70	98.58	111.36	68.20	43.16	peak

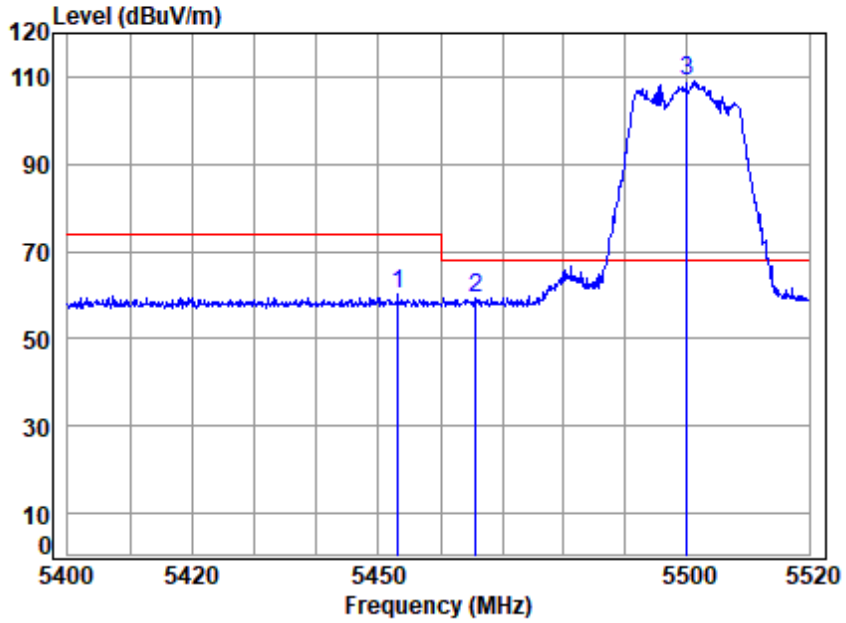
Test Mode: 11; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5500 Band edge
: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5452.116	10.60	32.90	30.72	33.74	46.52	54.00	-7.48	Average
2	5500.000	10.58	32.90	30.70	87.51	100.29	------	------	Average

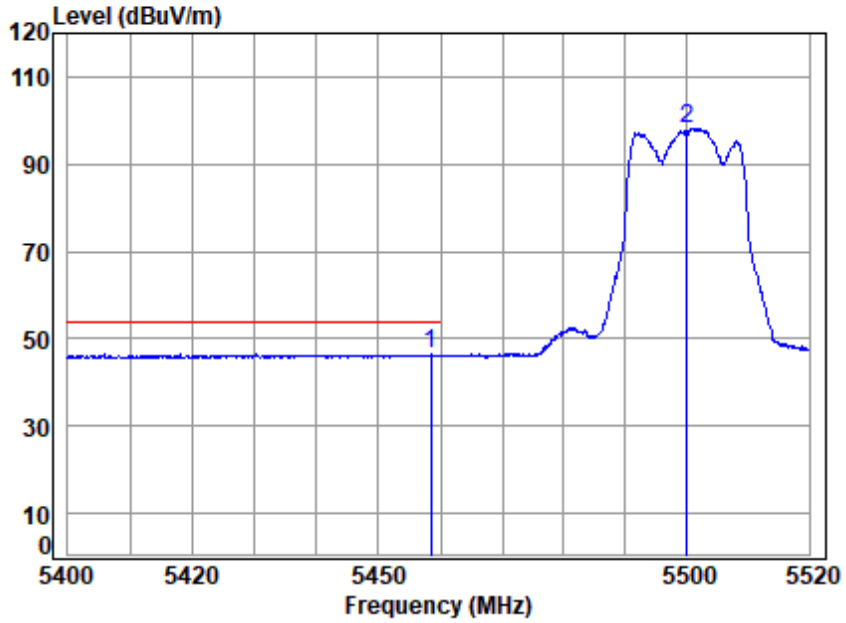
Test Mode: 11; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5500 Band edge
: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5453.074	10.60	32.90	30.72	47.34	60.12	74.00	-13.88	Peak
2	5465.673	10.59	32.90	30.71	46.50	59.28	68.20	-8.92	peak
3 pp	5500.000	10.58	32.90	30.70	96.06	108.84	68.20	40.64	Peak

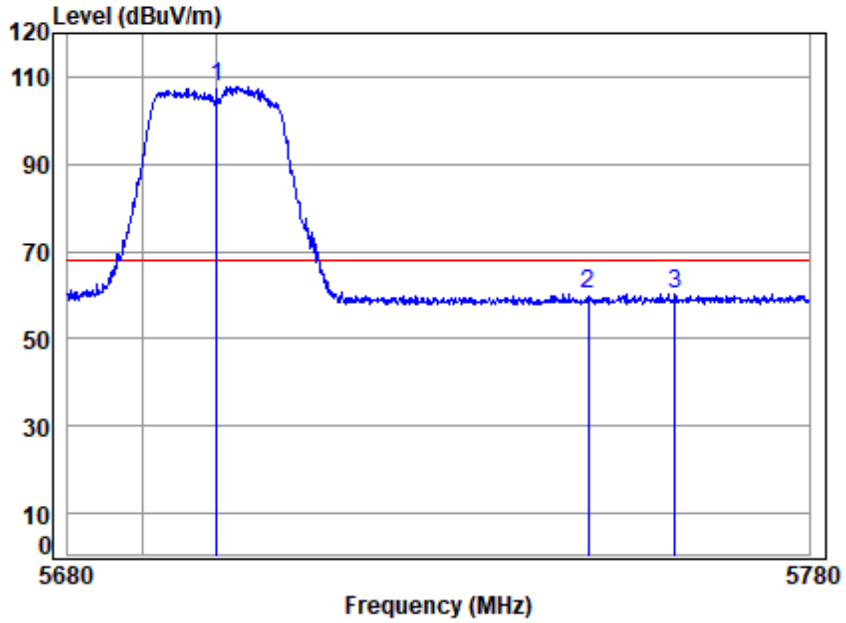
Test Mode: 11; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5500 Band edge
: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5458.471	10.60	32.90	30.72	33.73	46.51	54.00	-7.49	Average
2	5500.000	10.58	32.90	30.70	85.52	98.30	------	------	Average

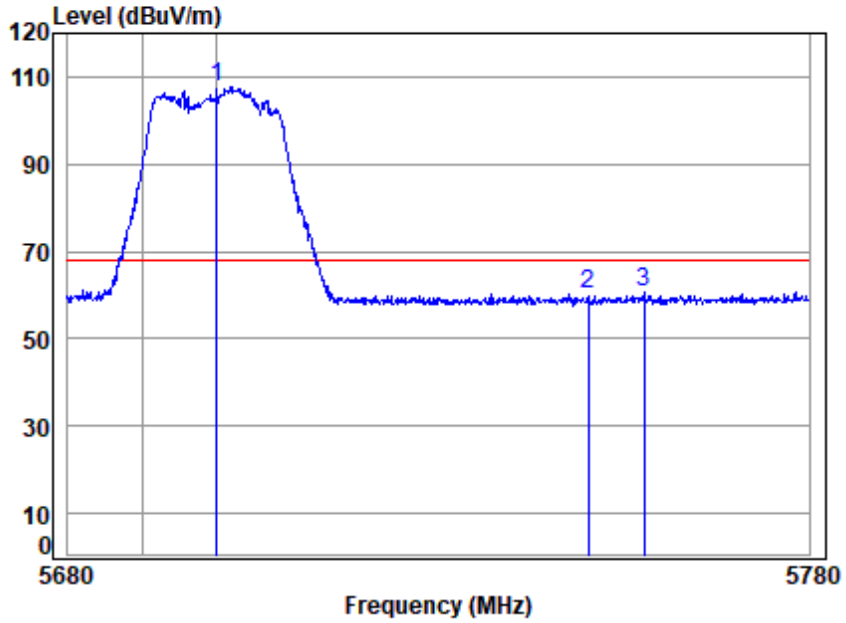
Test Mode: 11; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5700 Band edge
: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5700.000	10.56	33.20	30.62	94.58	107.72	68.20	39.52	peak
2	5750.000	10.79	33.30	30.60	46.79	60.28	68.20	-7.92	peak
3	5761.771	10.84	33.32	30.60	46.74	60.30	68.20	-7.90	peak

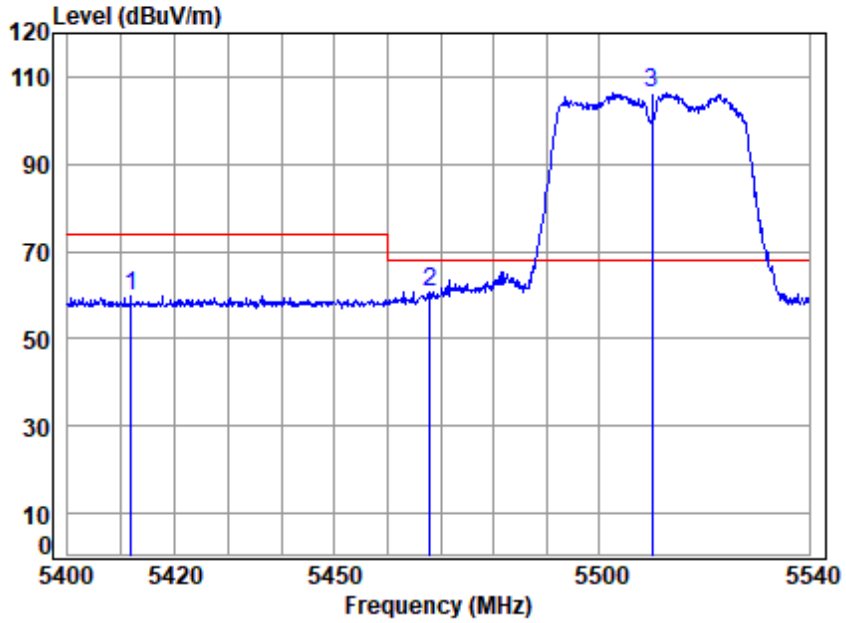
Test Mode: 11; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5700 Band edge
: 5G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5700.000	10.56	33.20	30.62	94.53	107.67	68.20	39.47	Peak
2	5750.000	10.79	33.30	30.60	46.67	60.16	68.20	-8.04	Peak
3	5757.548	10.82	33.32	30.60	46.92	60.46	68.20	-7.74	Peak

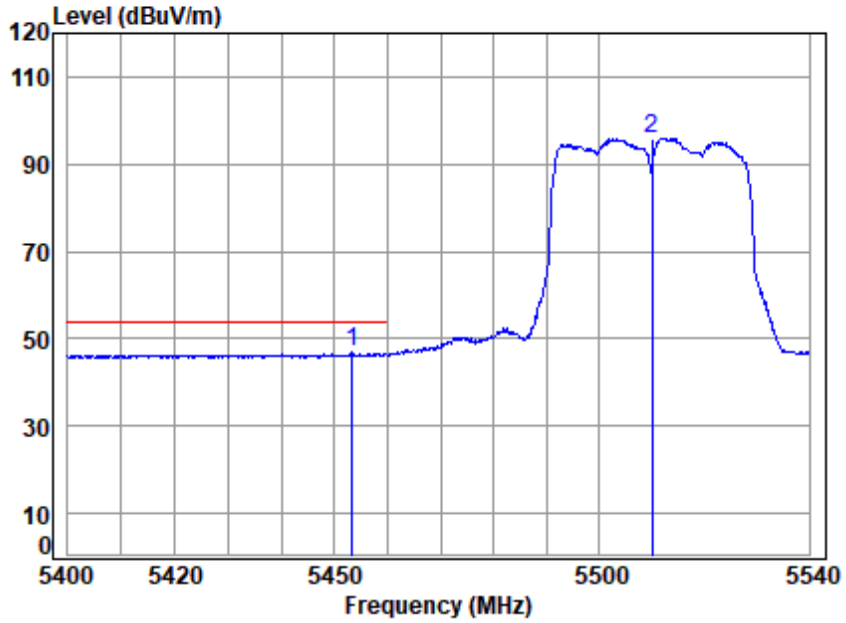
Test Mode: 11; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5510 Band edge
: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5411.761	10.62	32.82	30.74	47.19	59.89	74.00	-14.11	peak
2	5467.873	10.59	32.90	30.71	48.10	60.88	68.20	-7.32	peak
3 pp	5510.000	10.56	32.90	30.70	93.75	106.51	68.20	38.31	peak

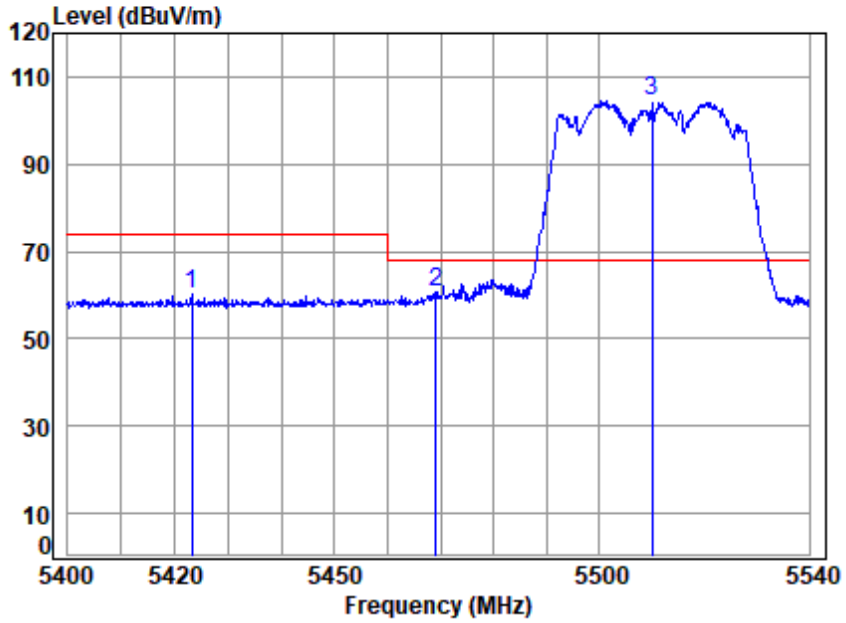
Test Mode: 11; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5510 Band edge
: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5453.336	10.60	32.90	30.72	34.06	46.84	54.00	-7.16	Average
2	5510.000	10.56	32.90	30.70	83.21	95.97	------	------	Average

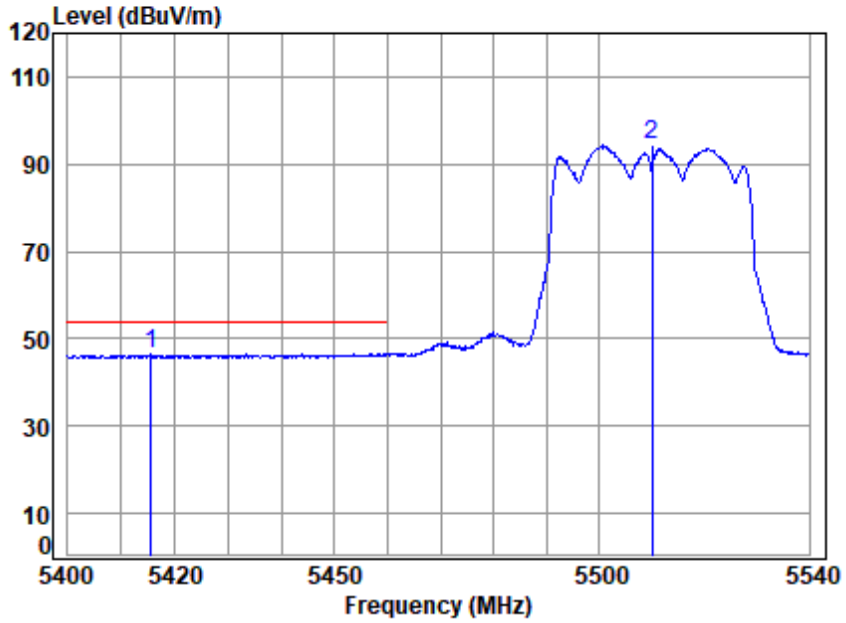
Test Mode: 11; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5510 Band edge
: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5423.271	10.61	32.85	30.73	47.30	60.03	74.00	-13.97	Peak
2	5469.132	10.59	32.90	30.71	47.81	60.59	68.20	-7.61	peak
3 pp	5510.000	10.56	32.90	30.70	91.67	104.43	68.20	36.23	Peak

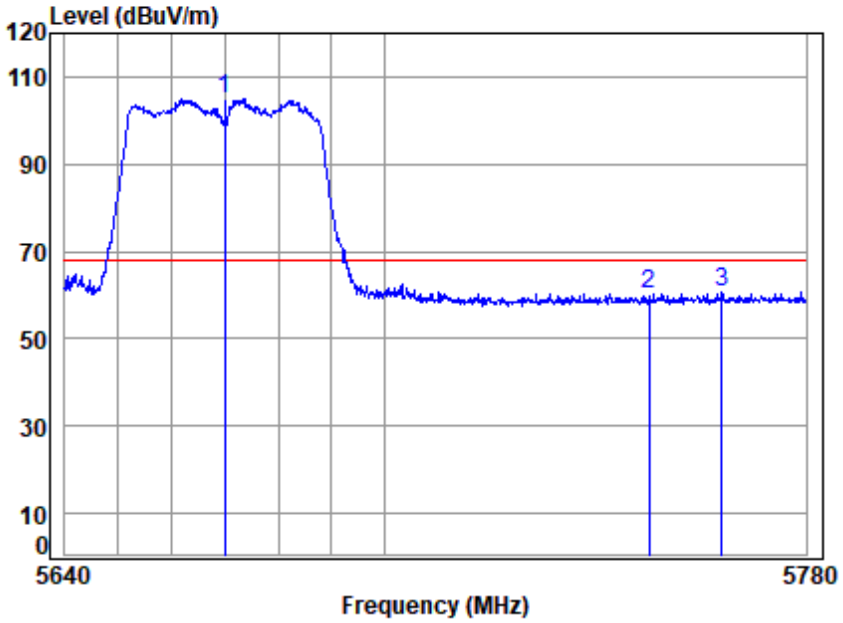
Test Mode: 11; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5510 Band edge
: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5415.502	10.61	32.83	30.73	34.03	46.74	54.00	-7.26	Average
2	5510.000	10.56	32.90	30.70	81.89	94.65	------	------	Average

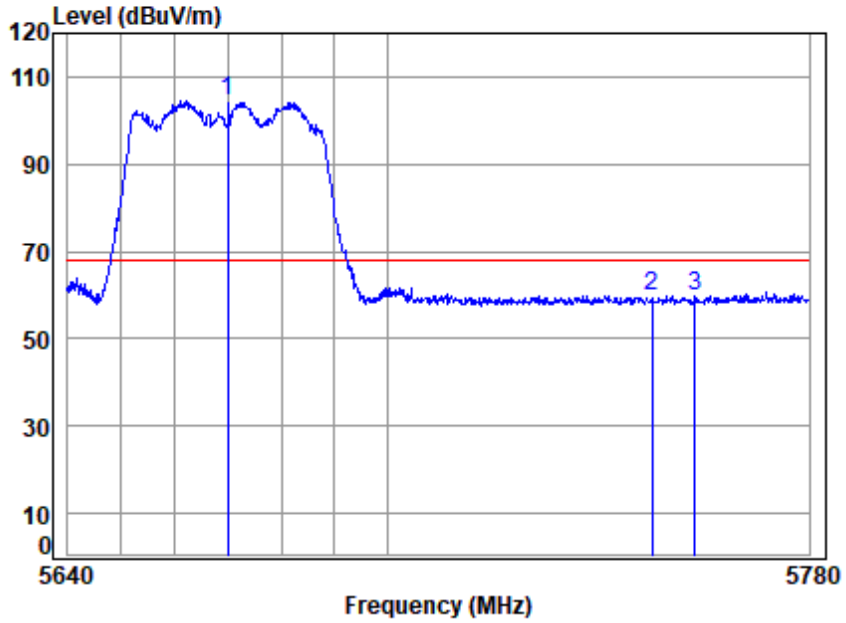
Test Mode: 11; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5670 Band edge
: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5670.000	10.52	33.14	30.63	91.88	104.91	68.20	36.71	peak
2	5750.000	10.79	33.30	30.60	46.76	60.25	68.20	-7.95	peak
3	5763.866	10.85	33.33	30.59	47.02	60.61	68.20	-7.59	peak

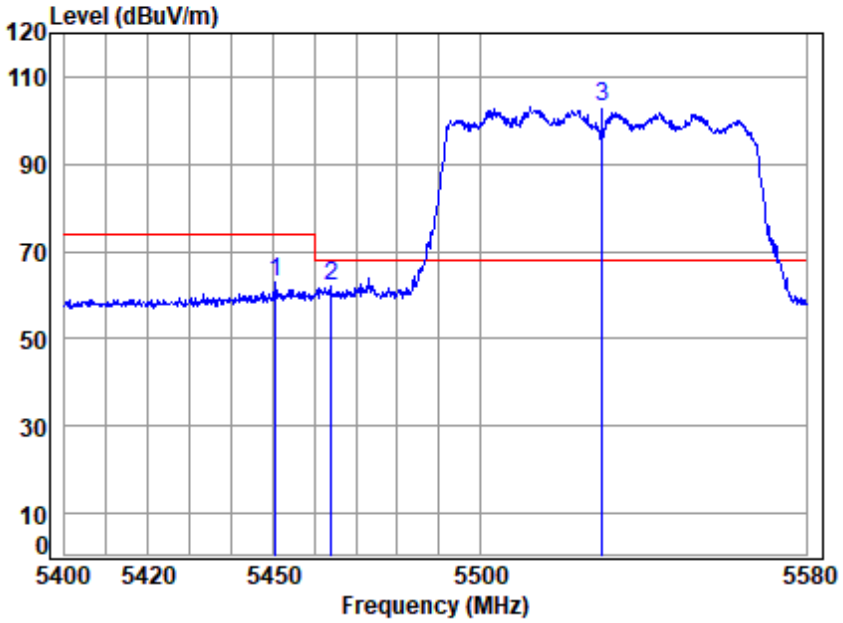
Test Mode: 11; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5670 Band edge
: 5G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5670.000	10.52	33.14	30.63	91.46	104.49	68.20	36.29	Peak
2	5750.000	10.79	33.30	30.60	46.48	59.97	68.20	-8.23	Peak
3	5758.216	10.83	33.32	30.60	46.30	59.85	68.20	-8.35	Peak

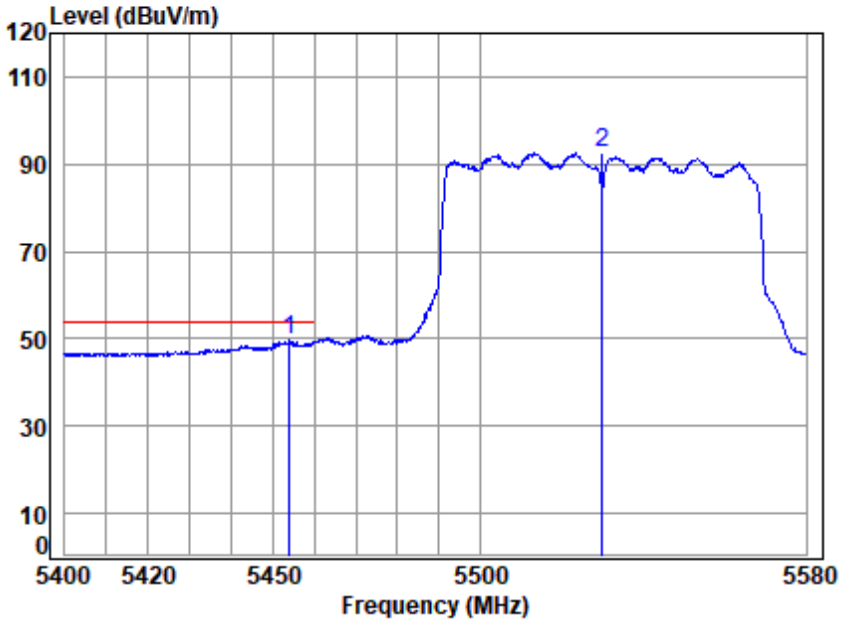
Test Mode: 11; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5530 Band edge
: 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5450.521	10.60	32.90	30.72	50.00	62.78	74.00	-11.22	peak
2	5463.942	10.59	32.90	30.71	49.14	61.92	68.20	-6.28	peak
3 pp	5530.000	10.53	32.90	30.69	90.20	102.94	68.20	34.74	peak

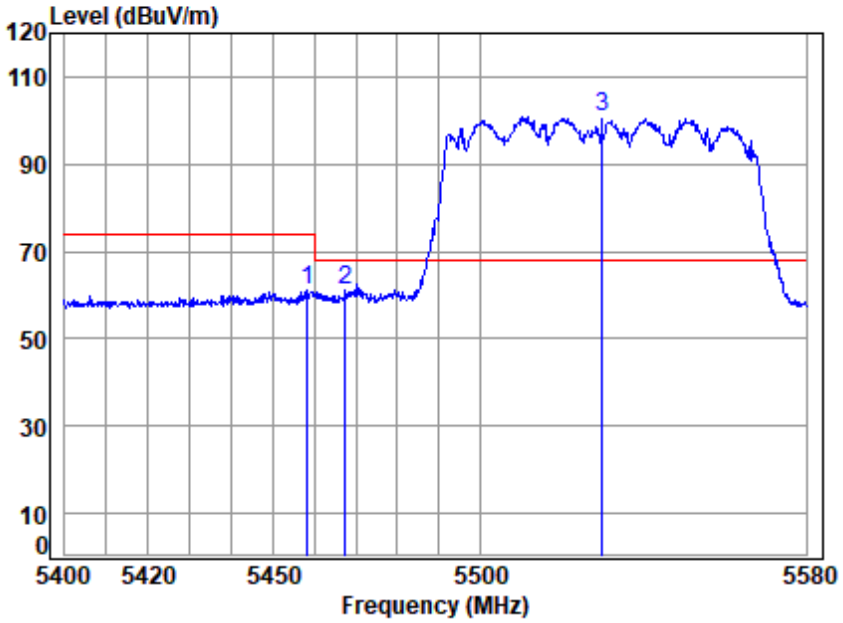
Test Mode: 11; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5530 Band edge
: 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5453.918	10.60	32.90	30.72	36.77	49.55	54.00	-4.45	Average
2	5530.000	10.53	32.90	30.69	79.80	92.54	------	------	Average

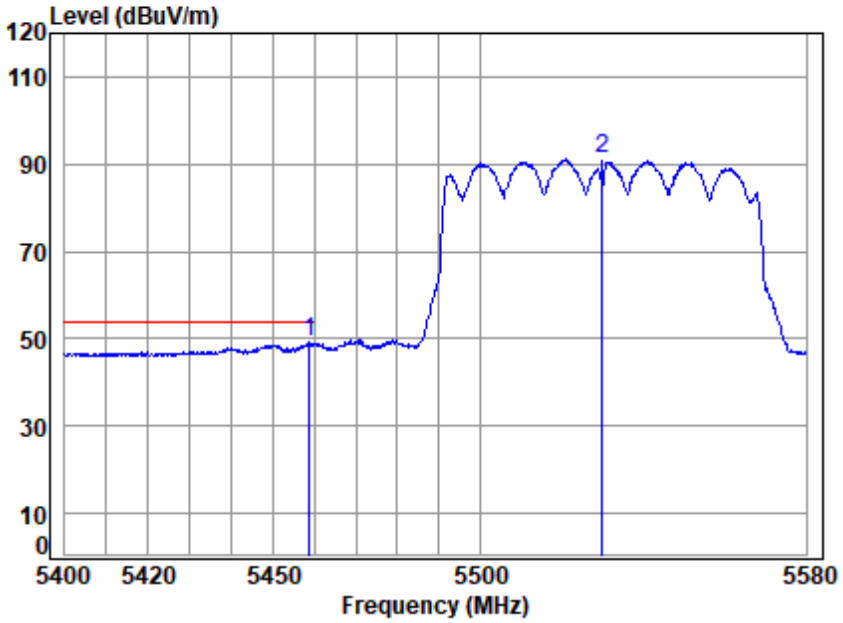
Test Mode: 11; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5530 Band edge
: 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5458.391	10.60	32.90	30.72	48.43	61.21	74.00	-12.79	Peak
2	5467.526	10.59	32.90	30.71	48.29	61.07	68.20	-7.13	peak
3 pp	5530.000	10.53	32.90	30.69	88.06	100.80	68.20	32.60	Peak

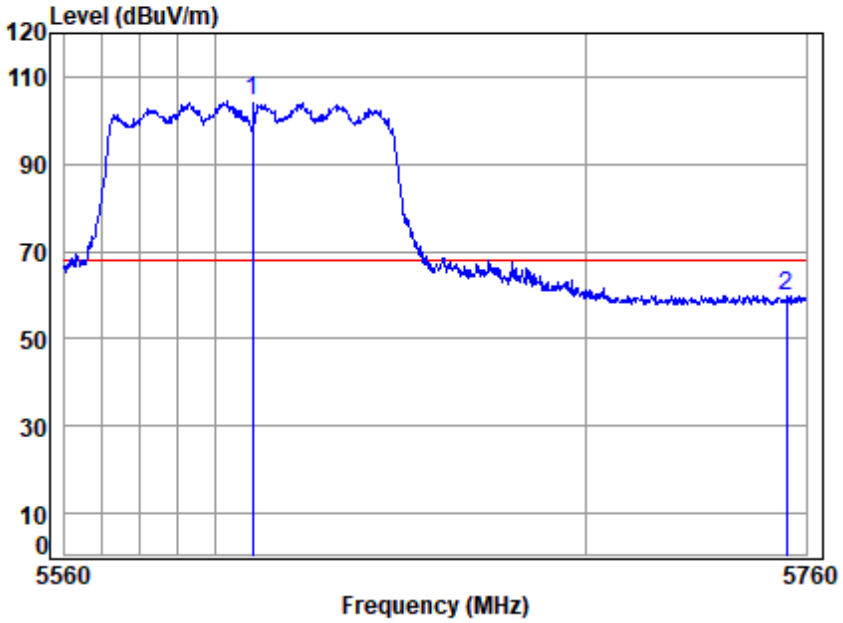
Test Mode: 11; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5530 Band edge
: 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5458.749	10.60	32.90	30.72	36.29	49.07	54.00	-4.93	Average
2	5530.000	10.53	32.90	30.69	78.30	91.04	------	------	Average

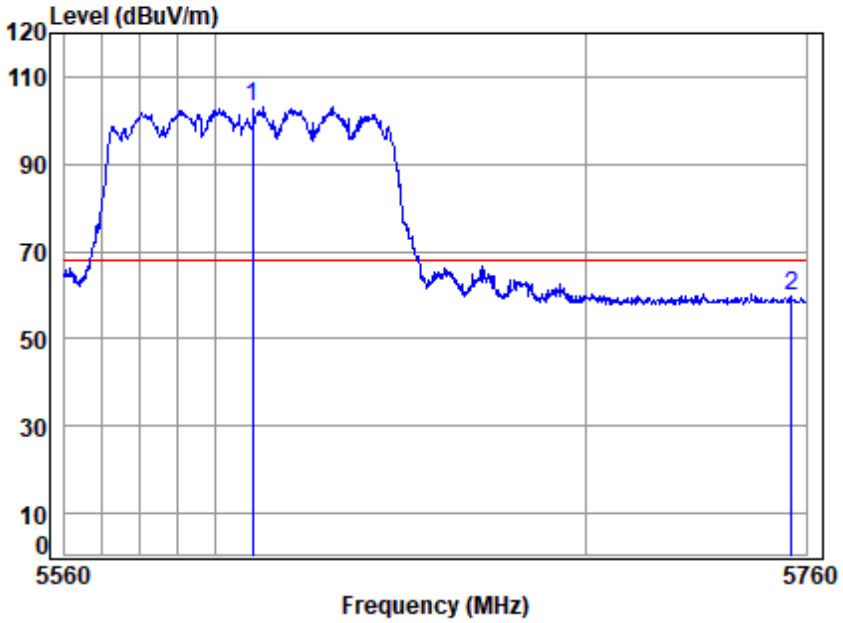
Test Mode: 11; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5610 Band edge
: 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5610.000	10.43	33.02	30.66	91.81	104.60	68.20	36.40	peak
2	5754.507	10.81	33.31	30.60	46.37	59.89	68.20	-8.31	peak

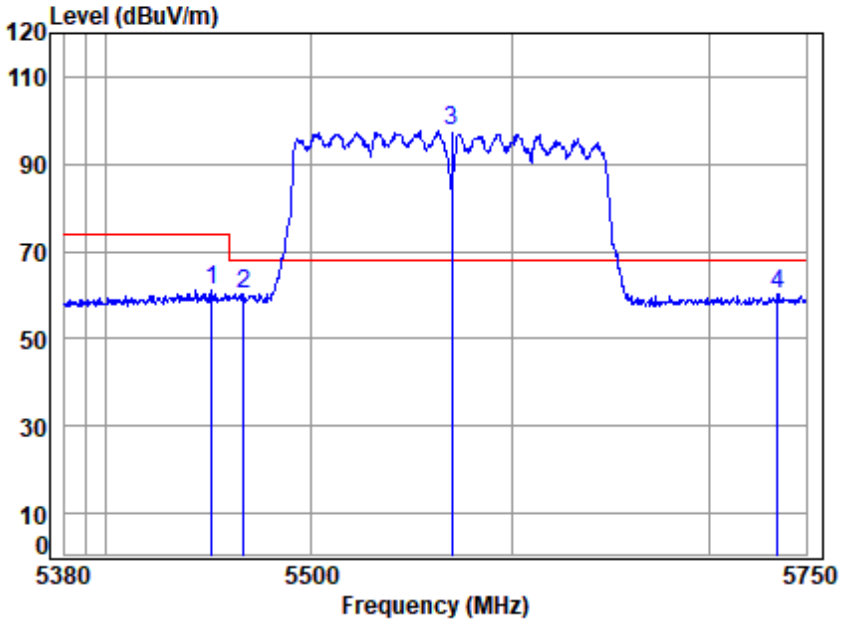
Test Mode: 11; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5610 Band edge
: 5G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5610.000	10.43	33.02	30.66	90.16	102.95	68.20	34.75	Peak
2	5755.930	10.82	33.31	30.60	46.11	59.64	68.20	-8.56	Peak

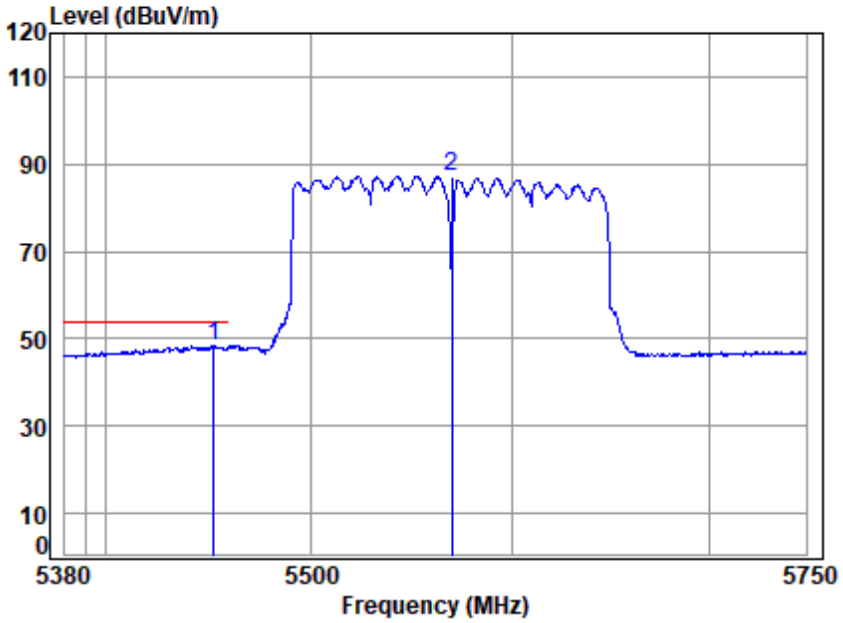
Test Mode: 11; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:160MHz; Channel:middle



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5570 Band edge
: 5G WIFI 11AC160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5451.319	10.60	32.90	30.72	48.43	61.21	74.00	-12.79	Peak
2	5467.296	10.59	32.90	30.71	47.38	60.16	68.20	-8.04	Peak
3 pp	5570.000	10.46	32.94	30.67	85.11	97.84	68.20	29.64	peak
4	5735.485	10.72	33.27	30.61	46.80	60.18	68.20	-8.02	peak

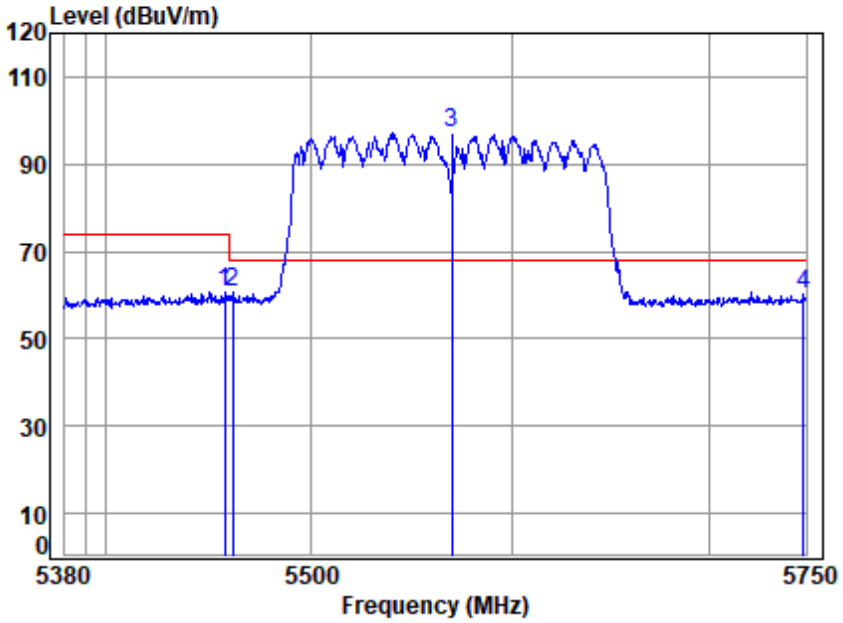
Test Mode: 11; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:160MHz; Channel:middle



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5570 Band edge
: 5G WIFI 11AC160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5452.407	10.60	32.90	30.72	35.60	48.38	54.00	-5.62	Average
2	5570.000	10.46	32.94	30.67	74.61	87.34	------	------	Average

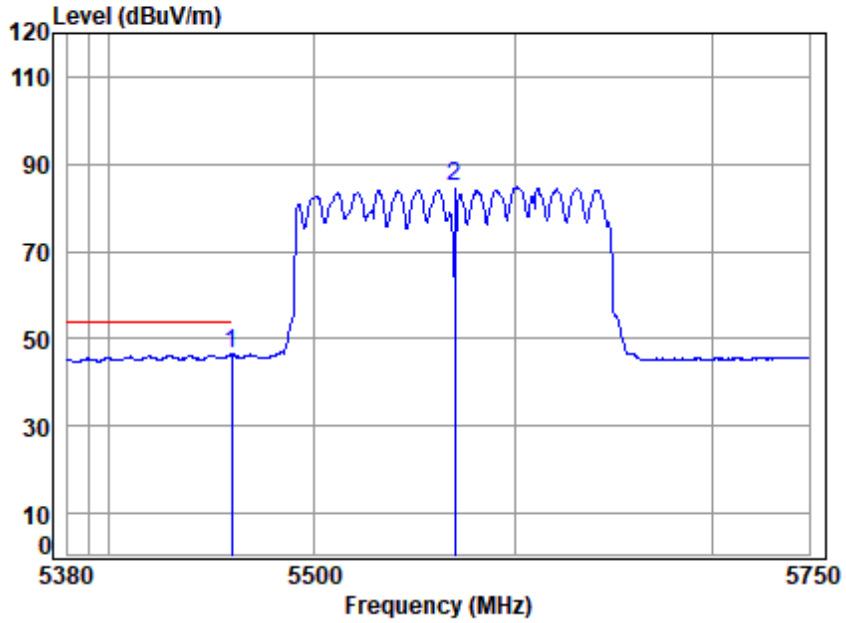
Test Mode: 11; Polarity: Vertical; Modulation:802.11ac; Bandwidth:160MHz; Channel:middle



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5570 Band edge
: 5G WIFI 11AC160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5457.850	10.60	32.90	30.72	47.90	60.68	74.00	-13.32	Peak
2	5461.481	10.60	32.90	30.72	47.84	60.62	68.20	-7.58	Peak
3 pp	5570.000	10.46	32.94	30.67	84.31	97.04	68.20	28.84	Peak
4	5748.470	10.78	33.30	30.60	46.60	60.08	68.20	-8.12	Peak

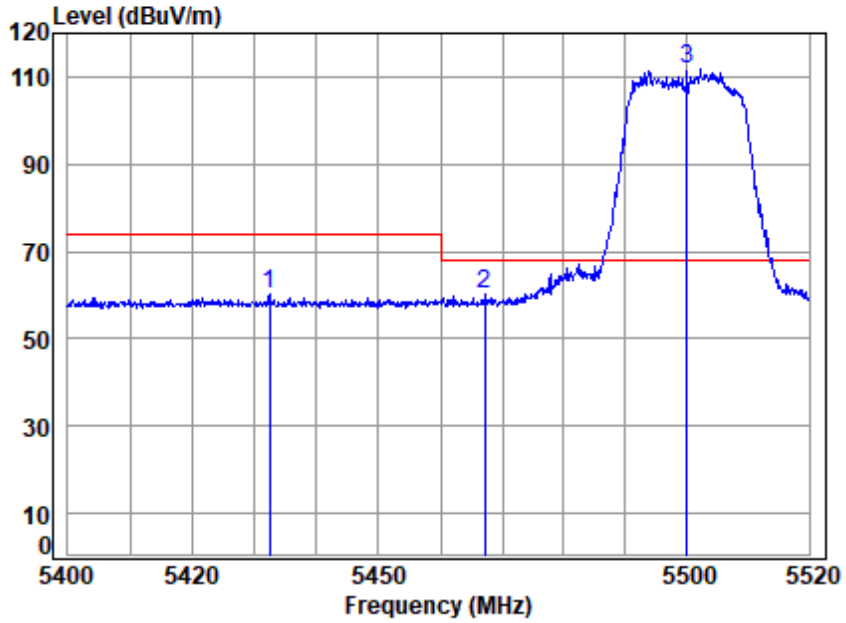
Test Mode: 11; Polarity: Vertical; Modulation:802.11ac; Bandwidth:160MHz; Channel:middle



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5570 Band edge
: 5G WIFI 11AC160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5459.665	10.60	32.90	30.72	33.59	46.37	54.00	-7.63	Average
2	5570.000	10.46	32.94	30.67	71.92	84.65	------	------	Average

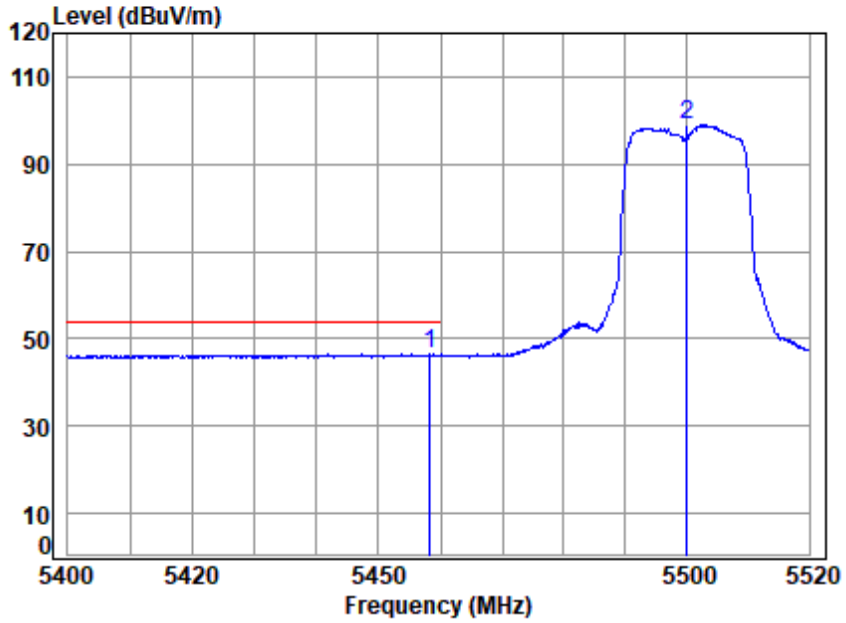
Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5500 Band edge
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5432.379	10.61	32.86	30.73	47.31	60.05	74.00	-13.95	peak
2	5467.115	10.59	32.90	30.71	47.26	60.04	68.20	-8.16	peak
3 pp	5500.000	10.58	32.90	30.70	99.09	111.87	68.20	43.67	peak

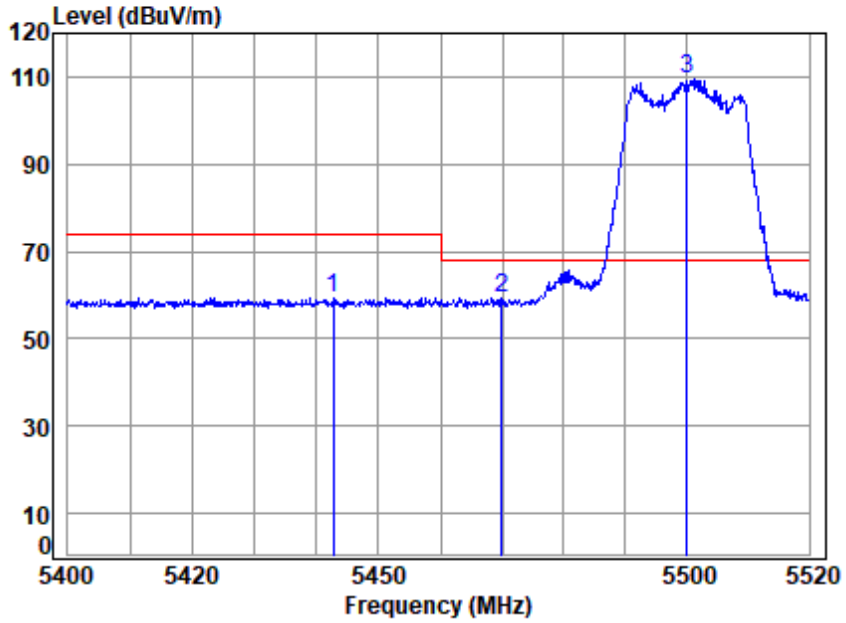
Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5500 Band edge
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5458.230	10.60	32.90	30.72	33.80	46.58	54.00	-7.42	Average
2	5500.000	10.58	32.90	30.70	86.27	99.05	------	------	Average

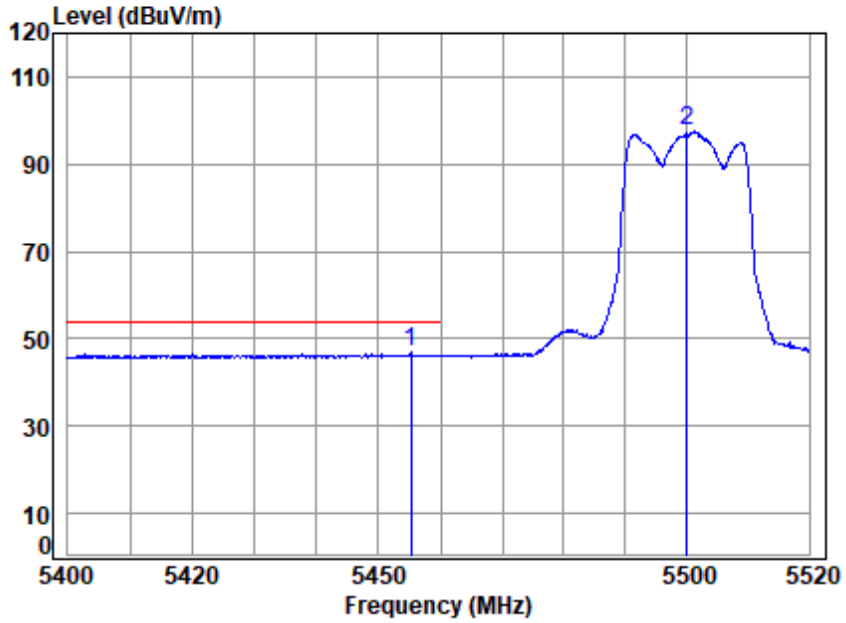
Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5500 Band edge
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5442.657	10.60	32.89	30.72	46.71	59.48	74.00	-14.52	Peak
2	5469.880	10.59	32.90	30.71	46.65	59.43	68.20	-8.77	peak
3 pp	5500.000	10.58	32.90	30.70	96.51	109.29	68.20	41.09	Peak

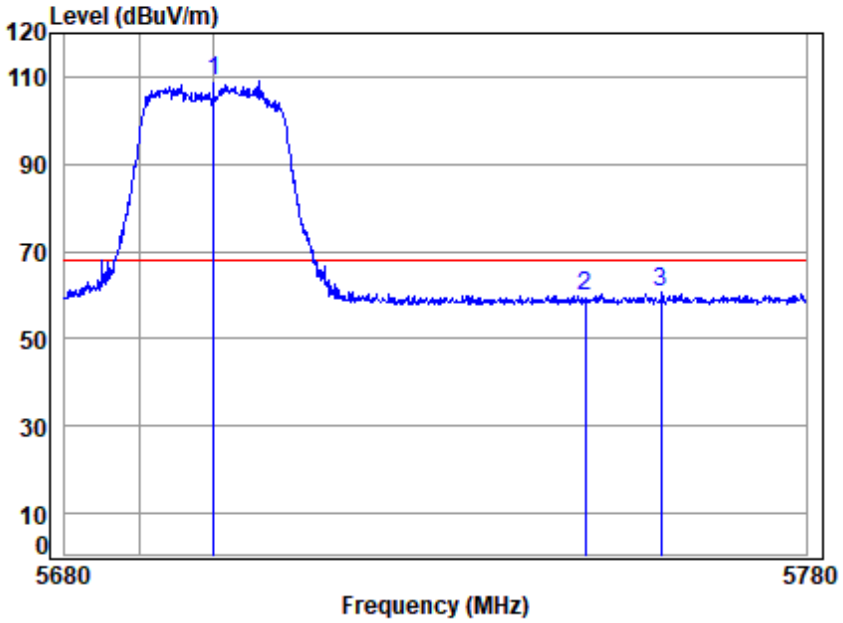
Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5500 Band edge
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5455.232	10.60	32.90	30.72	34.09	46.87	54.00	-7.13	Average
2	5500.000	10.58	32.90	30.70	84.75	97.53	------	------	Average

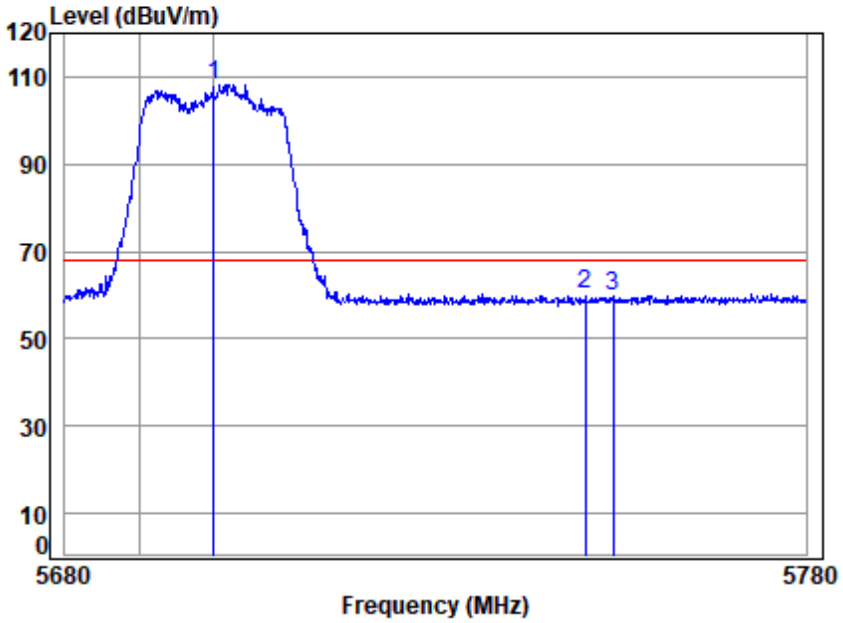
Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5700 Band edge
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5700.000	10.56	33.20	30.62	95.77	108.91	68.20	40.71	peak
2	5750.000	10.79	33.30	30.60	46.49	59.98	68.20	-8.22	peak
3	5760.363	10.84	33.32	30.60	47.24	60.80	68.20	-7.40	peak

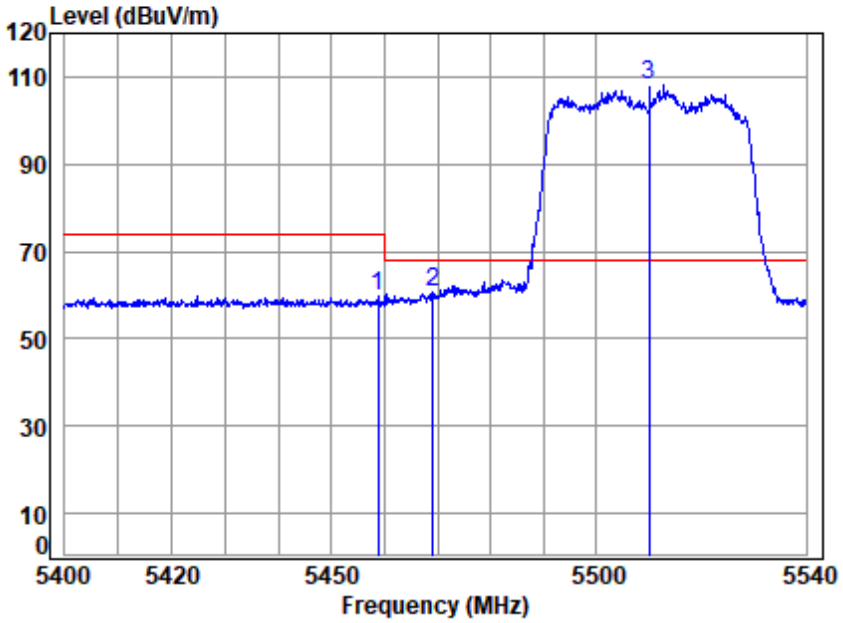
Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5700 Band edge
: 5G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5700.000	10.56	33.20	30.62	95.04	108.18	68.20	39.98	Peak
2	5750.000	10.79	33.30	30.60	46.57	60.06	68.20	-8.14	Peak
3	5753.832	10.81	33.31	30.60	46.46	59.98	68.20	-8.22	Peak

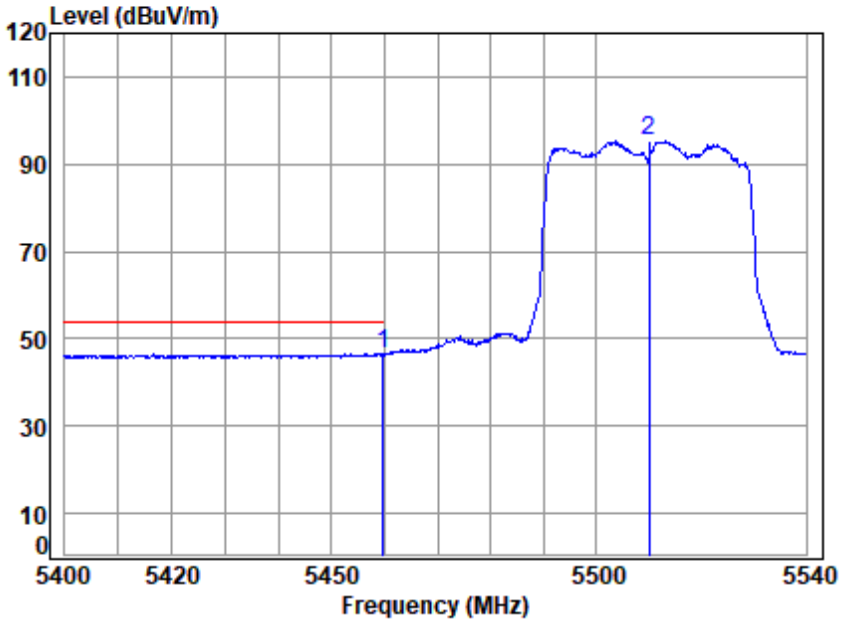
Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5510 Band edge
: 5G WIFI 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5458.783	10.60	32.90	30.72	46.87	59.65	74.00	-14.35	peak
2	5468.992	10.59	32.90	30.71	47.75	60.53	68.20	-7.67	peak
3 pp	5510.000	10.56	32.90	30.70	95.31	108.07	68.20	39.87	peak

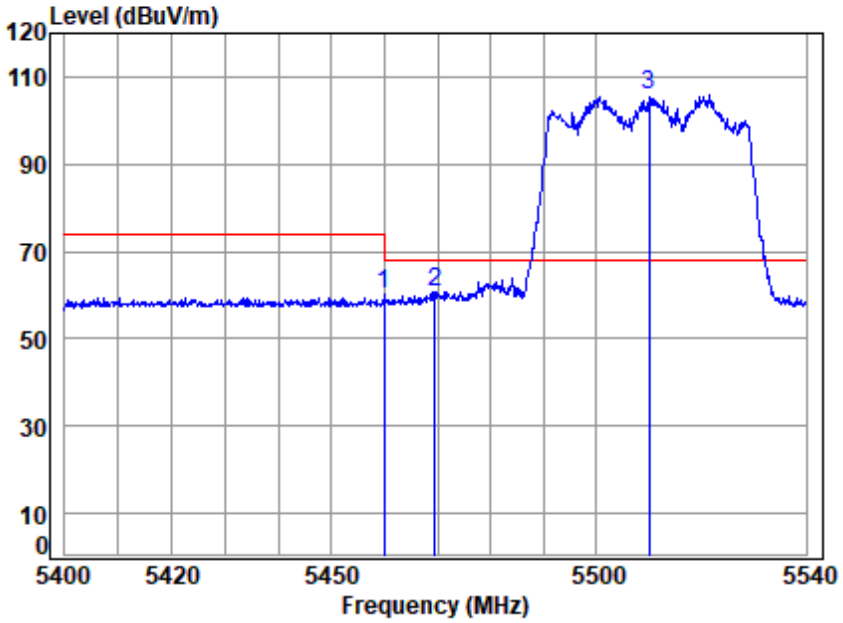
Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5510 Band edge
: 5G WIFI 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5459.622	10.60	32.90	30.72	33.80	46.58	54.00	-7.42	Average
2	5510.000	10.56	32.90	30.70	82.46	95.22	------	------	Average

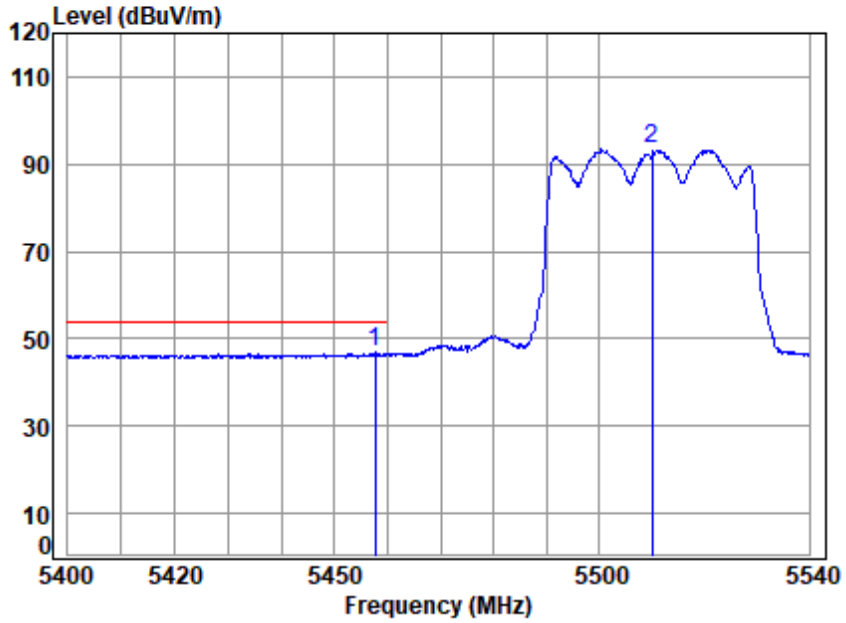
Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5510 Band edge
: 5G WIFI 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5459.901	10.60	32.90	30.72	47.31	60.09	74.00	-13.91	Peak
2	5469.552	10.59	32.90	30.71	47.90	60.68	68.20	-7.52	peak
3 pp	5510.000	10.56	32.90	30.70	93.23	105.99	68.20	37.79	Peak

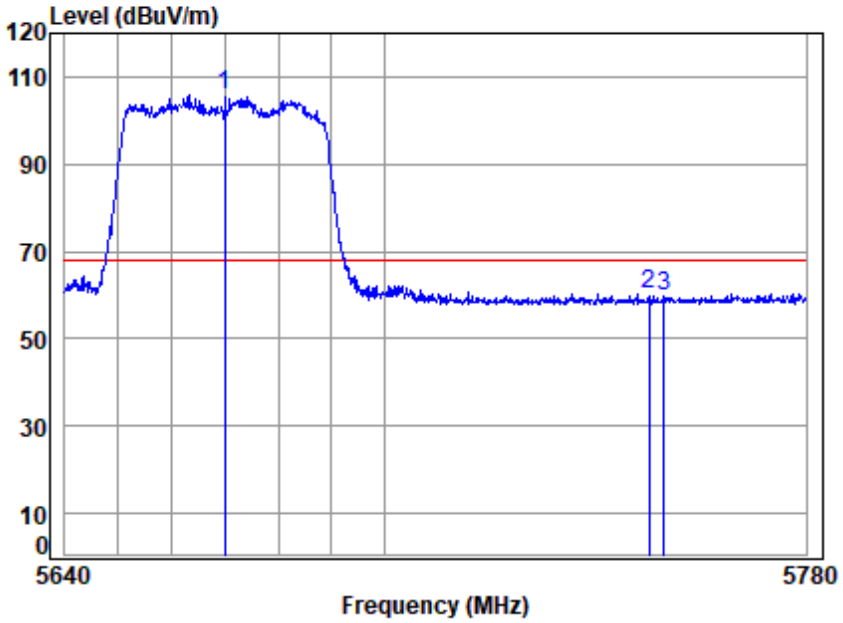
Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5510 Band edge
: 5G WIFI 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5457.666	10.60	32.90	30.72	34.15	46.93	54.00	-7.07	Average
2	5510.000	10.56	32.90	30.70	80.61	93.37	------	------	Average

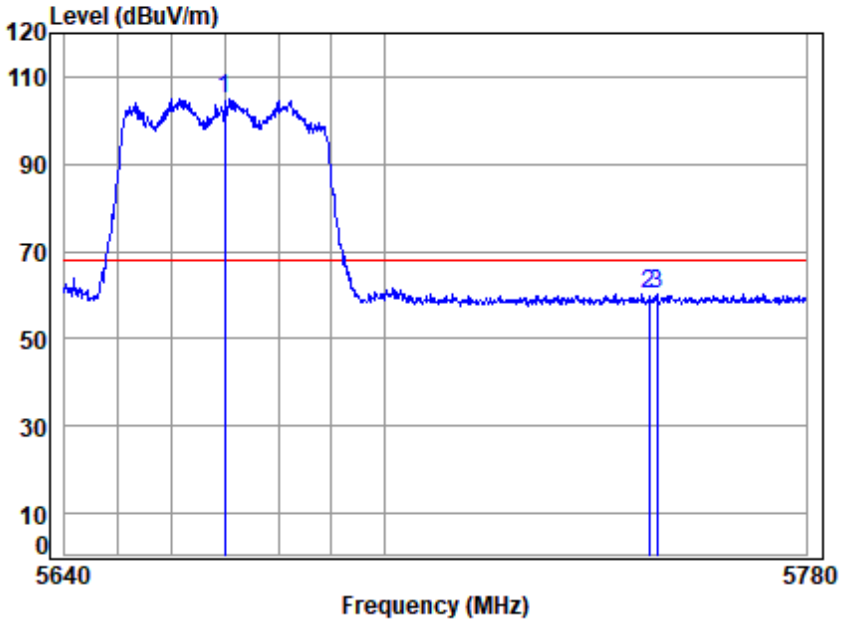
Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5670 Band edge
: 5G WIFI 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5670.000	10.52	33.14	30.63	92.68	105.71	68.20	37.51	peak
2	5750.000	10.79	33.30	30.60	46.76	60.25	68.20	-7.95	peak
3	5752.853	10.80	33.31	30.60	46.48	59.99	68.20	-8.21	peak

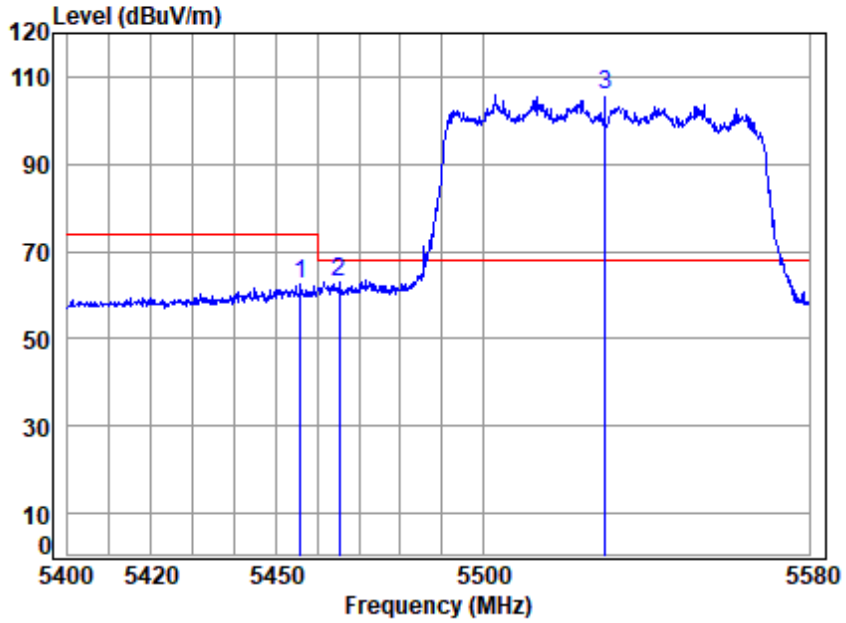
Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5670 Band edge
: 5G WIFI 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5670.000	10.52	33.14	30.63	92.11	105.14	68.20	36.94	Peak
2	5750.000	10.79	33.30	30.60	46.71	60.20	68.20	-8.00	Peak
3	5751.583	10.80	33.30	30.60	46.89	60.39	68.20	-7.81	Peak

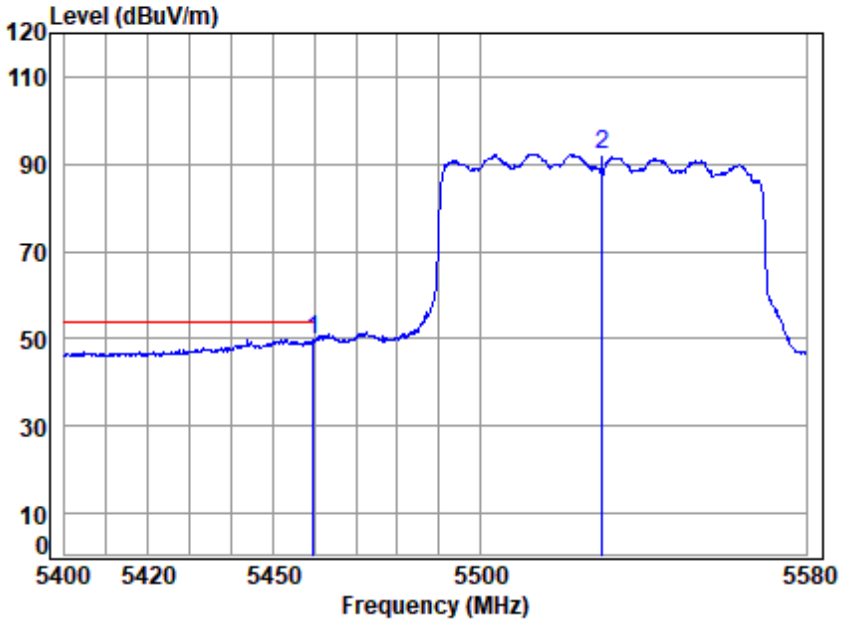
Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5530 Band edge
: 5G WIFI 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5455.886	10.60	32.90	30.72	49.60	62.38	74.00	-11.62	peak
2	5465.196	10.59	32.90	30.71	49.98	62.76	68.20	-5.44	peak
3 pp	5530.000	10.53	32.90	30.69	92.91	105.65	68.20	37.45	peak

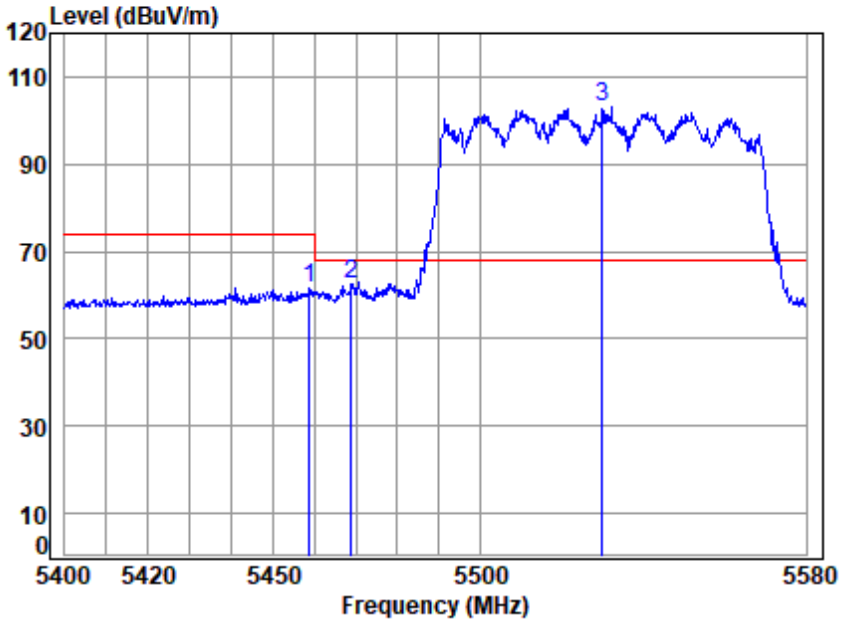
Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5530 Band edge
: 5G WIFI 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5459.823	10.60	32.90	30.72	37.14	49.92	54.00	-4.08	Average
2	5530.000	10.53	32.90	30.69	79.64	92.38	------	------	Average

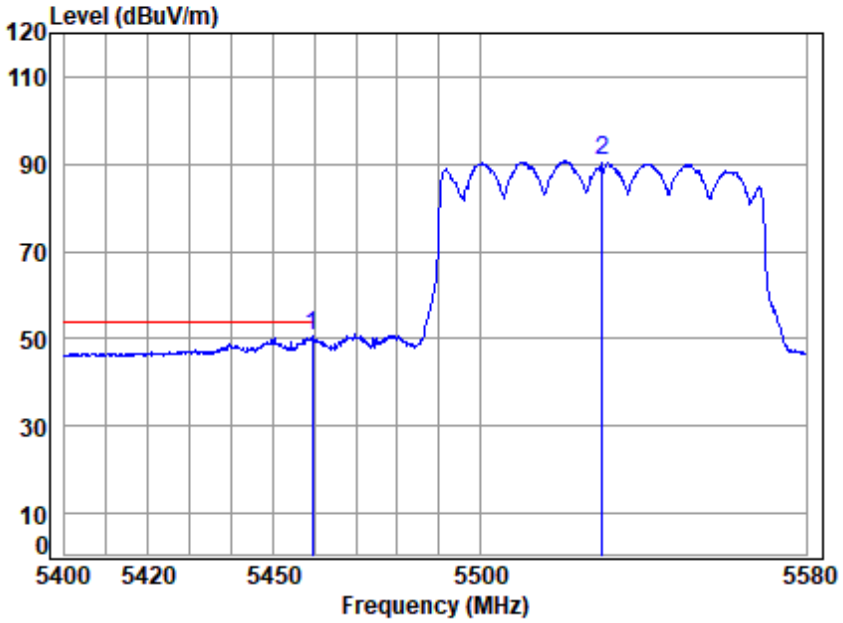
Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5530 Band edge
: 5G WIFI 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5458.749	10.60	32.90	30.72	49.04	61.82	74.00	-12.18	Peak
2	5468.781	10.59	32.90	30.71	49.55	62.33	68.20	-5.87	peak
3 pp	5530.000	10.53	32.90	30.69	90.23	102.97	68.20	34.77	Peak

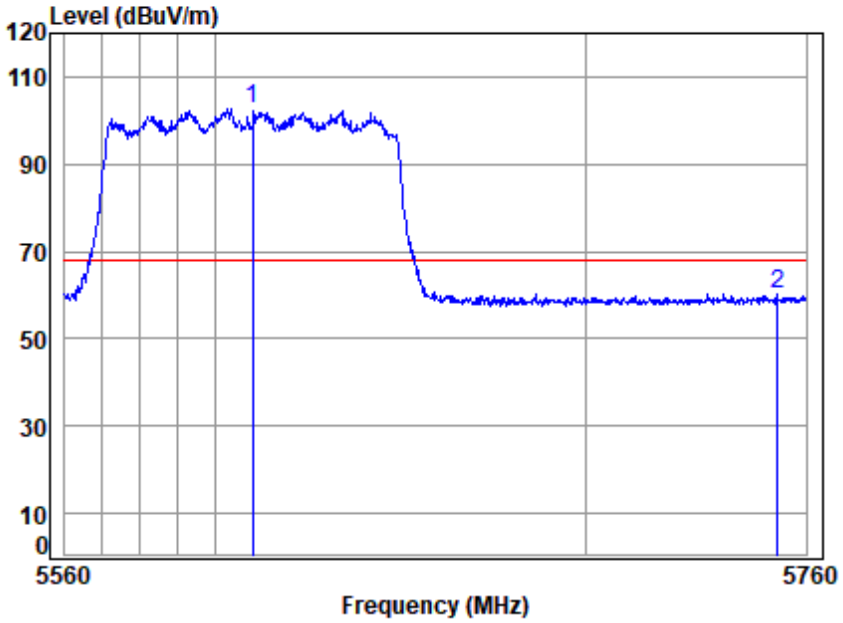
Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5530 Band edge
: 5G WIFI 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5459.465	10.60	32.90	30.72	37.98	50.76	54.00	-3.24	Average
2	5530.000	10.53	32.90	30.69	78.14	90.88	------	------	Average

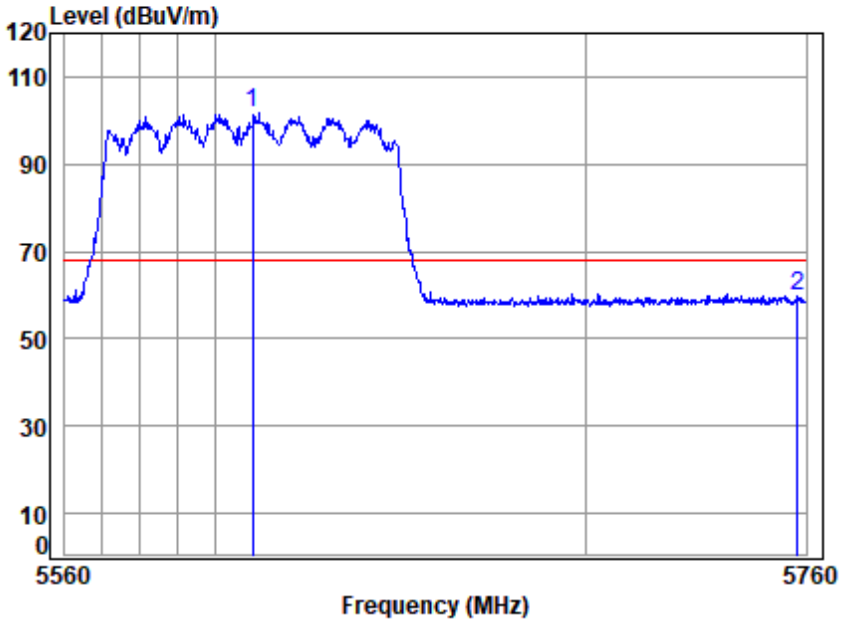
Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5610 Band edge
: 5G WIFI 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5610.000	10.43	33.02	30.66	90.09	102.88	68.20	34.68	peak
2	5752.067	10.80	33.30	30.60	46.75	60.25	68.20	-7.95	peak

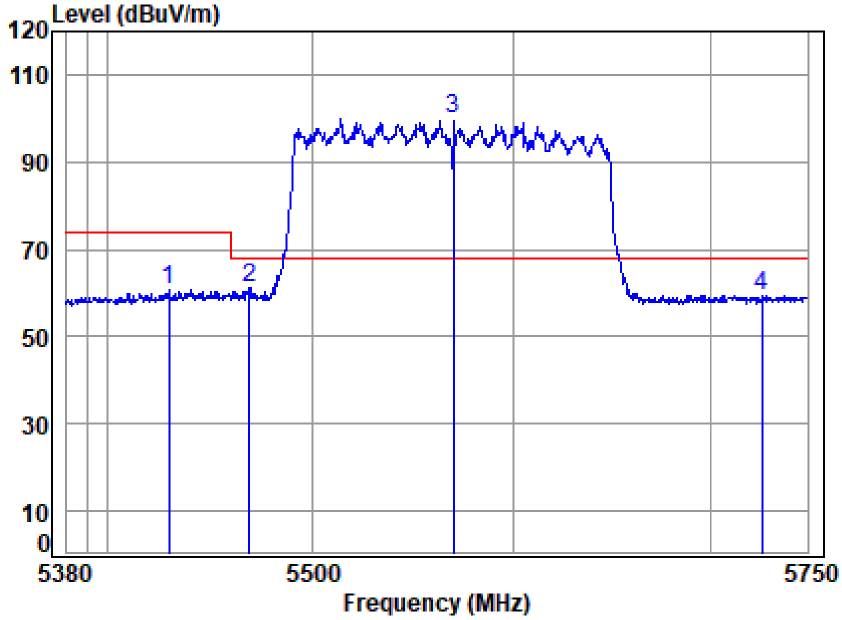
Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5610 Band edge
: 5G WIFI 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5610.000	10.43	33.02	30.66	89.13	101.92	68.20	33.72	Peak
2	5757.558	10.82	33.32	30.60	46.32	59.86	68.20	-8.34	Peak

Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle

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Condition: 3m HORIZONTAL
Job No    : 03810WM/03809WM
Mode      : 5570 Band edge
          : 5G WIFI 11AX160
```
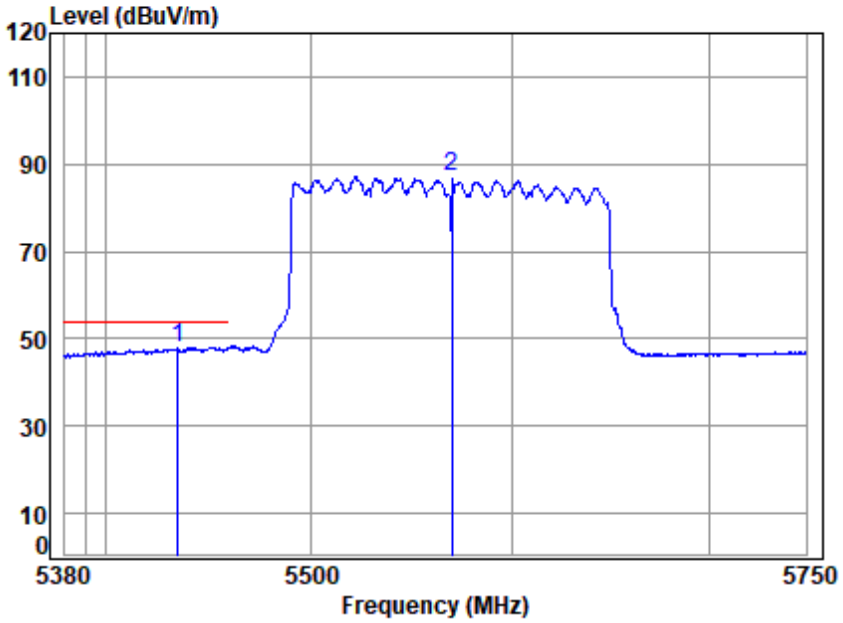

		Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		5429.608	10.61	32.86	30.73	47.94	60.68	74.00	-13.32	Peak
2		5469.114	10.59	32.90	30.71	48.39	61.17	68.20	-7.03	Peak
3	pp	5570.000	10.46	32.94	30.67	87.10	99.83	68.20	31.63	peak
4		5726.718	10.68	33.25	30.61	46.21	59.53	68.20	-8.67	peak

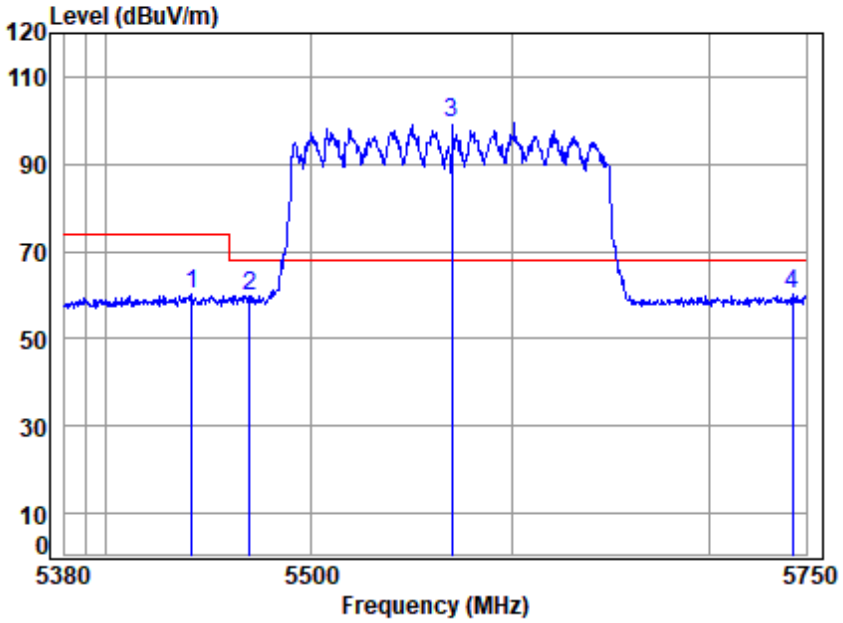
Test Mode: 11; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5570 Band edge
: 5G WIFI 11AX160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5434.667	10.61	32.87	30.73	35.34	48.09	54.00	-5.91	Average
2	5570.000	10.46	32.94	30.67	74.25	86.98	------	------	Average

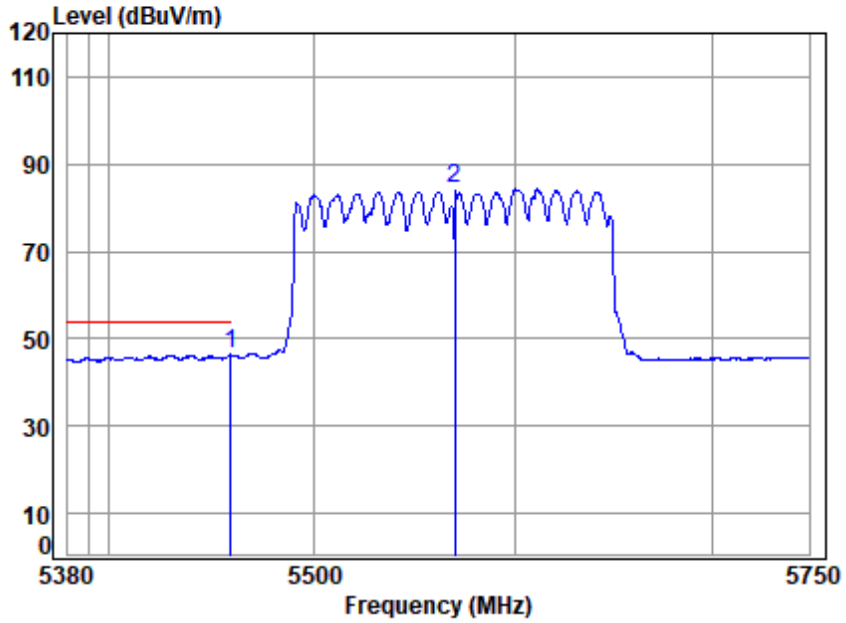
Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5570 Band edge
: 5G WIFI 11AX160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5441.539	10.60	32.88	30.72	47.29	60.05	74.00	-13.95	Peak
2	5470.206	10.59	32.90	30.71	47.12	59.90	68.20	-8.30	Peak
3 pp	5570.000	10.46	32.94	30.67	86.54	99.27	68.20	31.07	Peak
4	5743.120	10.76	33.29	30.60	46.56	60.01	68.20	-8.19	Peak

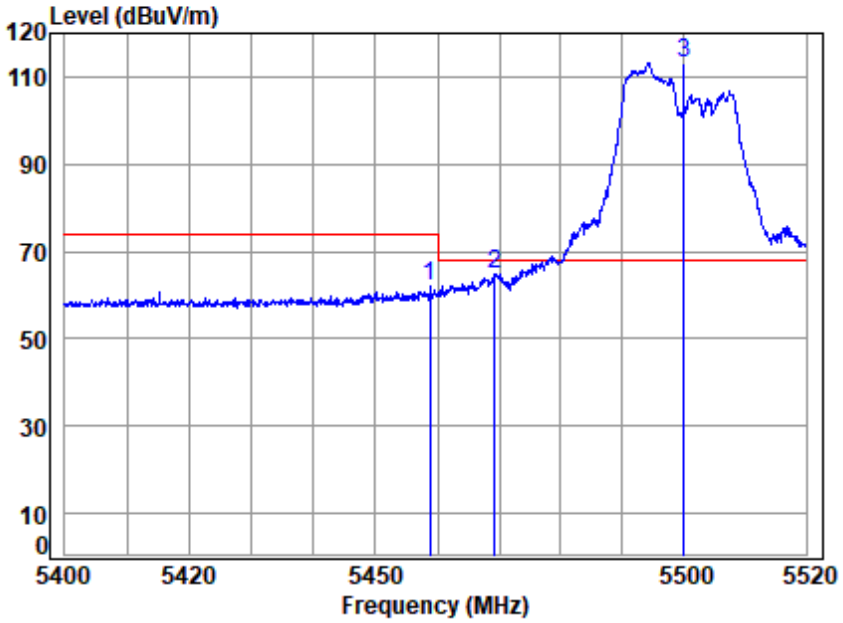
Test Mode: 11; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5570 Band edge
: 5G WIFI 11AX160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5459.302	10.60	32.90	30.72	33.54	46.32	54.00	-7.68	Average
2	5570.000	10.46	32.94	30.67	71.67	84.40	------	------	Average

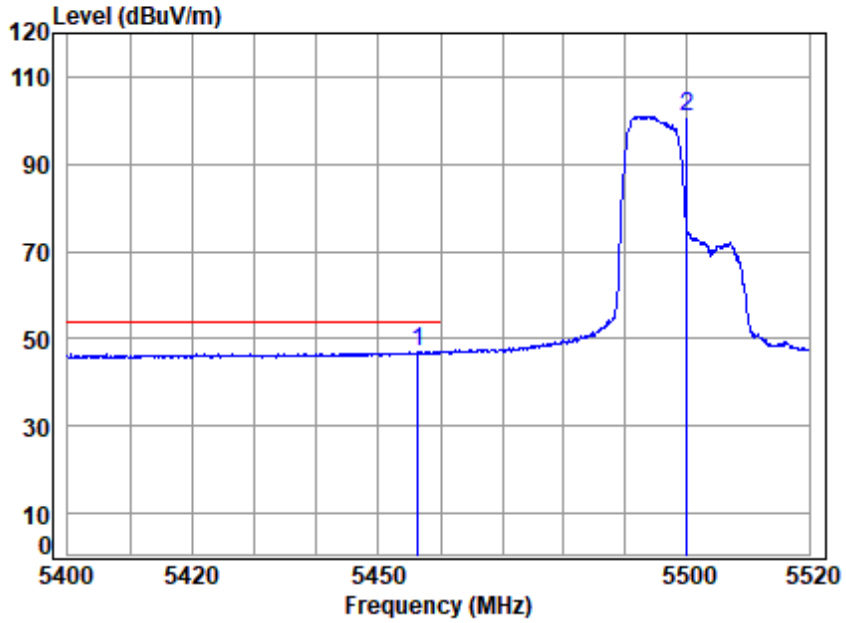
Test Mode: 11; Polarity: Horizontal; Hob Position Right; Up



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5500 Band edge
: 5G WIFI 11AX20 RU106

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5458.831	10.60	32.90	30.72	49.19	61.97	74.00	-12.03	peak
2	5469.279	10.59	32.90	30.71	51.89	64.67	68.20	-3.53	peak
3 pp	5500.000	10.58	32.90	30.70	100.46	113.24	68.20	45.04	peak

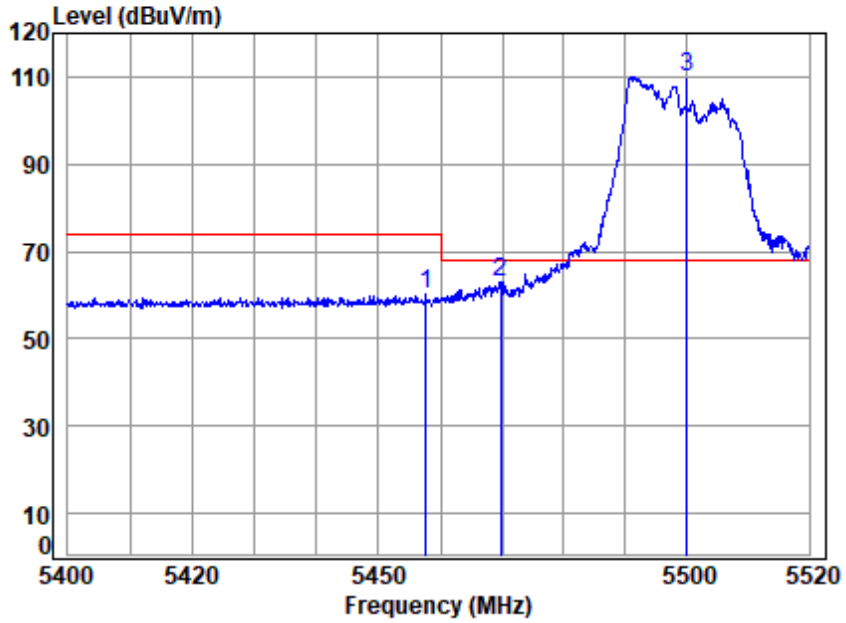
Test Mode: 11; Polarity: Horizontal; Hob Position Right; Up



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5500 Band edge
: 5G WIFI 11AX20 RU106

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5456.431	10.60	32.90	30.72	34.37	47.15	54.00	-6.85	Average
2	5500.000	10.58	32.90	30.70	88.01	100.79	------	------	Average

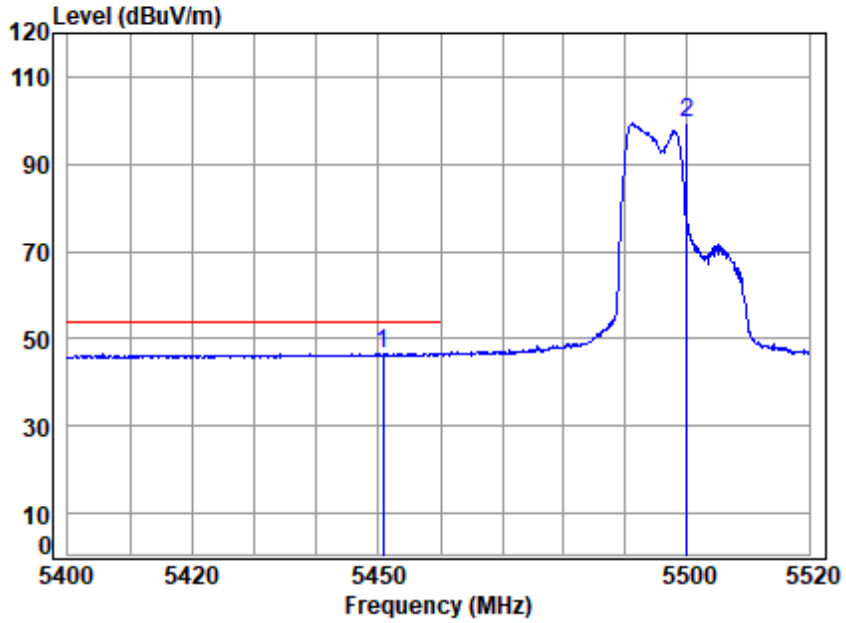
Test Mode: 11; Polarity: Vertical; Hob Position Right; Up



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5500 Band edge
: 5G WIFI 11AX20 RU106

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5457.631	10.60	32.90	30.72	47.38	60.16	74.00	-13.84	Peak
2	5469.759	10.59	32.90	30.71	50.07	62.85	68.20	-5.35	peak
3 pp	5500.000	10.58	32.90	30.70	97.16	109.94	68.20	41.74	Peak

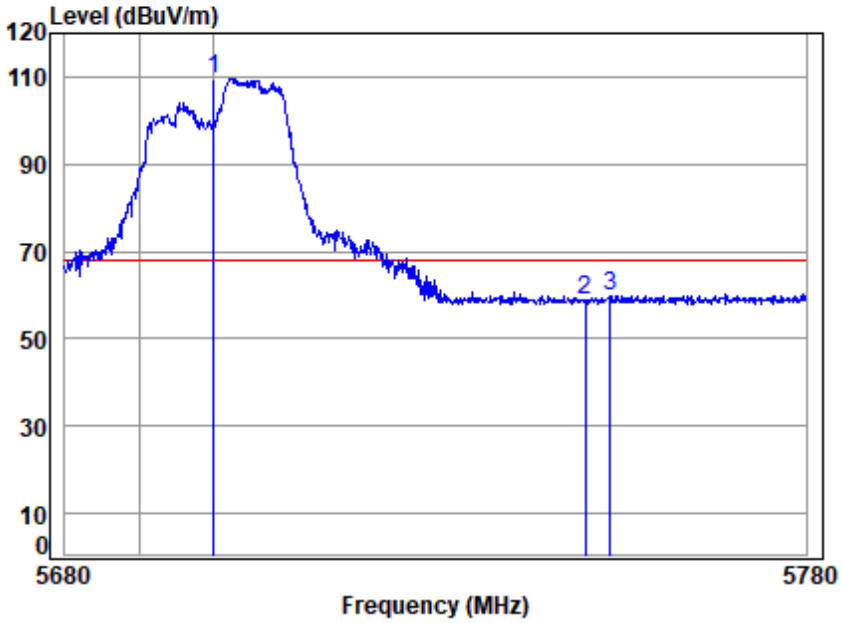
Test Mode: 11; Polarity: Vertical; Hob Position Right; Up



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5500 Band edge
: 5G WIFI 11AX20 RU106

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5450.678	10.60	32.90	30.72	33.93	46.71	54.00	-7.29	Average
2	5500.000	10.58	32.90	30.70	86.79	99.57	------	------	Average

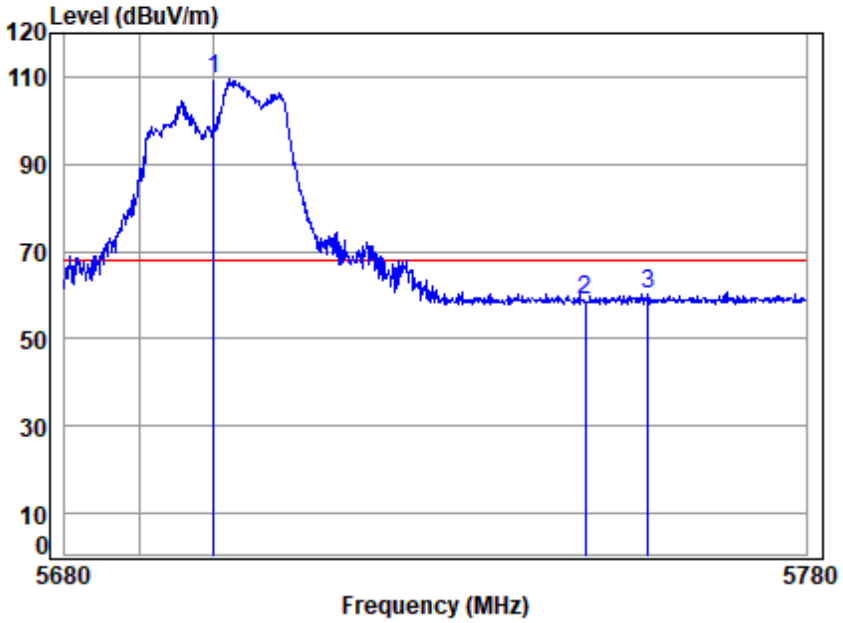
Test Mode: 11; Polarity: Horizontal; Hob Position Right; Up



Condition: 3m HORIZONTAL
Job No : 03810WM/03809WM
Mode : 5700 Band edge
: 5G WIFI 11AX20 RU106

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5700.000	10.56	33.20	30.62	96.56	109.70	68.20	41.50	peak
2	5750.000	10.79	33.30	30.60	45.58	59.07	68.20	-9.13	peak
3	5753.430	10.81	33.31	30.60	46.44	59.96	68.20	-8.24	peak

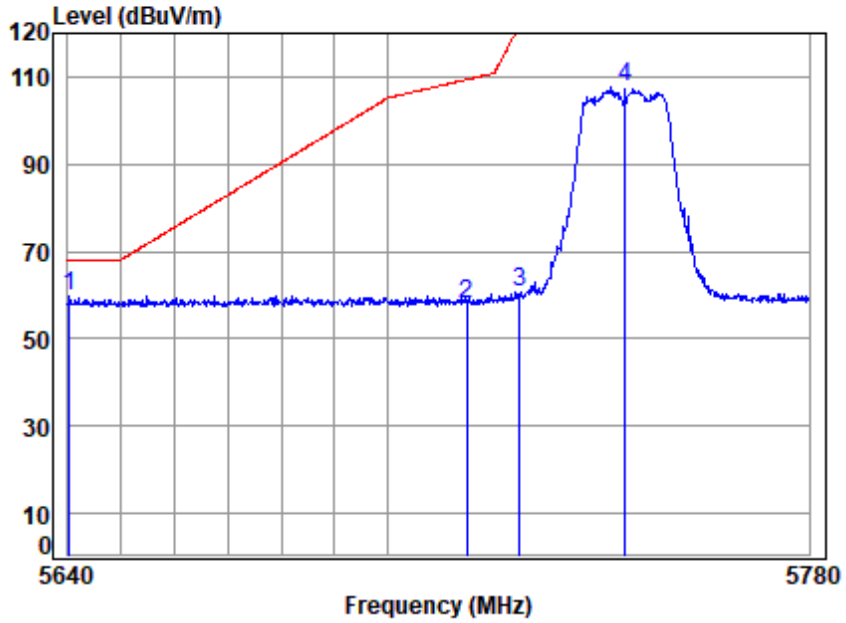
Test Mode: 11; Polarity: Vertical; Hob Position Right; Up



Condition: 3m VERTICAL
Job No : 03810WM/03809WM
Mode : 5700 Band edge
: 5G WIFI 11AX20 RU106

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5700.000	10.56	33.20	30.62	96.28	109.42	68.20	41.22	Peak
2	5750.000	10.79	33.30	30.60	45.57	59.06	68.20	-9.14	Peak
3	5758.554	10.83	33.32	30.60	46.87	60.42	68.20	-7.78	Peak

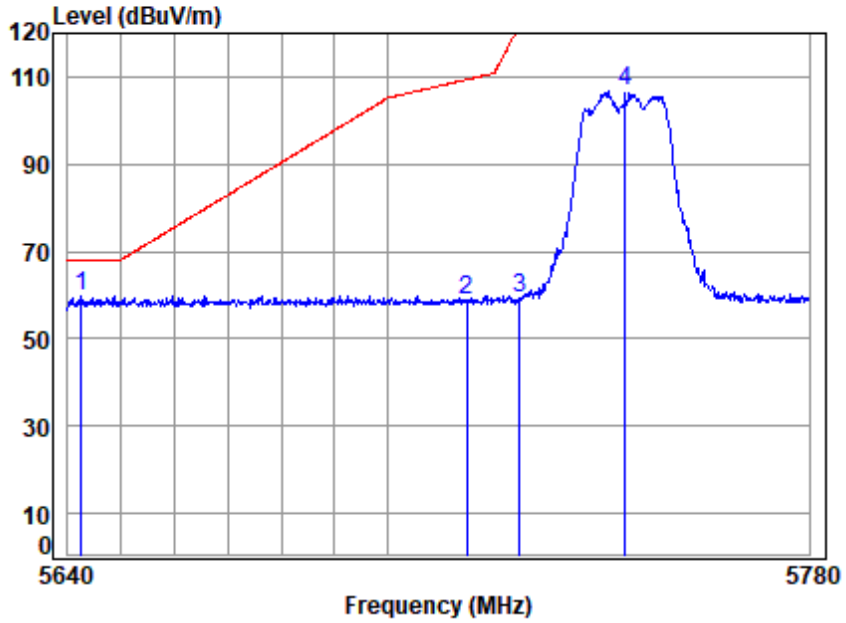
Test Mode: 12; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03809WM/03810WM
Mode : 5745 Band edge
: 5.8G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5640.276	10.47	33.08	30.64	46.91	59.82	68.20	-8.38	peak
2	5715.000	10.63	33.23	30.61	44.67	57.92	109.40	-51.48	peak
3	5725.000	10.68	33.25	30.61	47.54	60.86	122.20	-61.34	peak
4	5745.000	10.77	33.29	30.60	94.00	107.46	------	------	peak

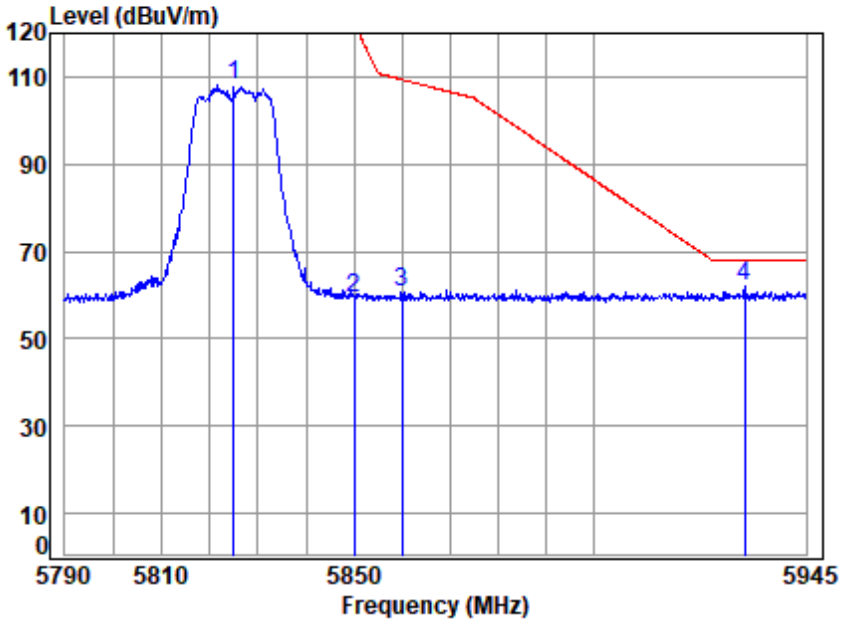
Test Mode: 12; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03809WM/03810WM
Mode : 5745 Band edge
: 5.8G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5642.490	10.47	33.08	30.64	47.04	59.95	68.20	-8.25	peak
2	5715.000	10.63	33.23	30.61	45.63	58.88	109.40	-50.52	peak
3	5725.000	10.68	33.25	30.61	46.02	59.34	122.20	-62.86	peak
4	5745.000	10.77	33.29	30.60	93.19	106.65	------	------	peak

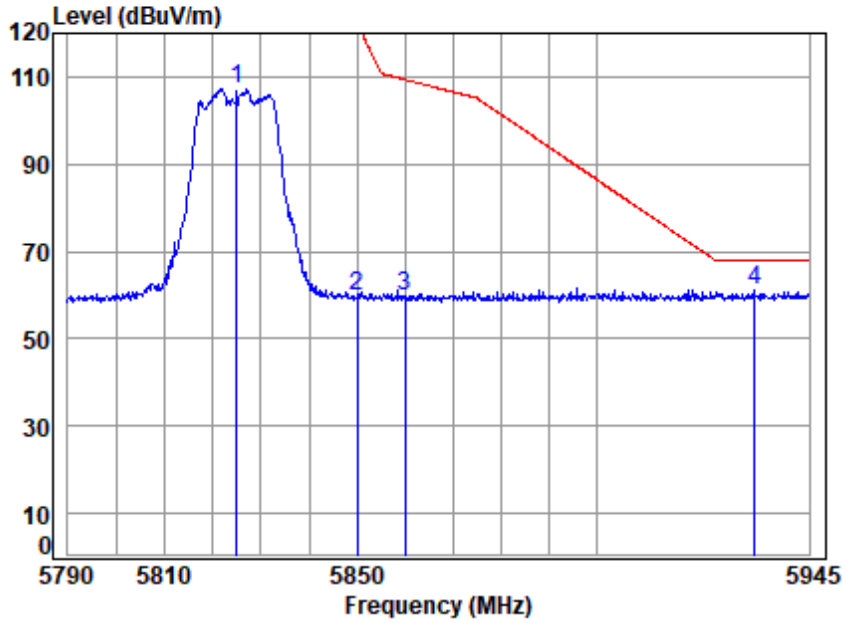
Test Mode: 12; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03809WM/03810WM
Mode : 5825 Band edge
: 5.8G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.000	10.99	33.50	30.57	94.25	108.17	------	------	peak
2	5850.000	10.95	33.60	30.56	45.44	59.43	122.20	-62.77	peak
3	5860.000	10.94	33.58	30.56	46.57	60.53	109.40	-48.87	peak
4 pp	5931.979	10.86	33.56	30.53	48.05	61.94	68.20	-6.26	peak

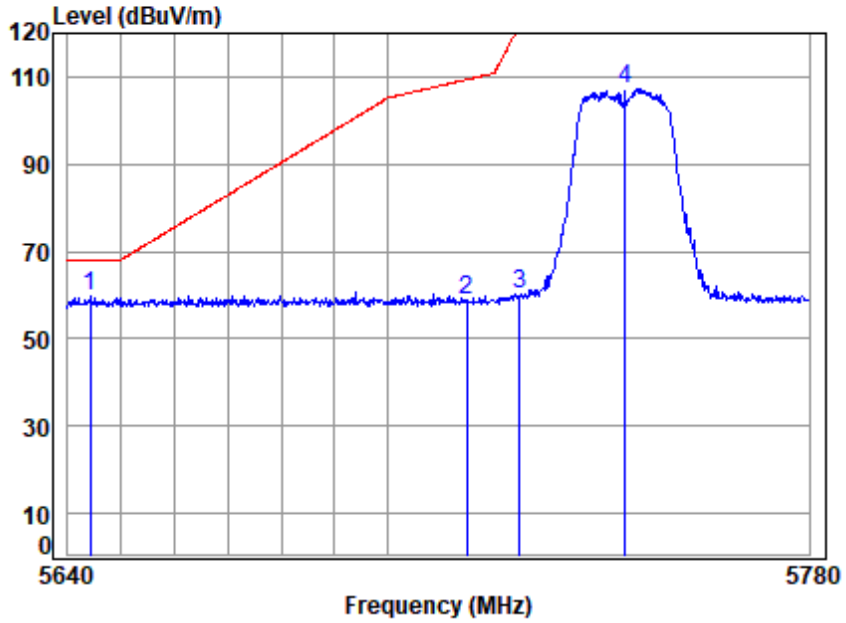
Test Mode: 12; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03809WM/03810WM
Mode : 5825 Band edge
: 5.8G WIFI 11A

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.000	10.99	33.50	30.57	93.29	107.21	------	------	peak
2	5850.000	10.95	33.60	30.56	45.67	59.66	122.20	-62.54	peak
3	5860.000	10.94	33.58	30.56	45.69	59.65	109.40	-49.75	peak
4 pp	5933.389	10.86	33.57	30.53	47.05	60.95	68.20	-7.25	peak

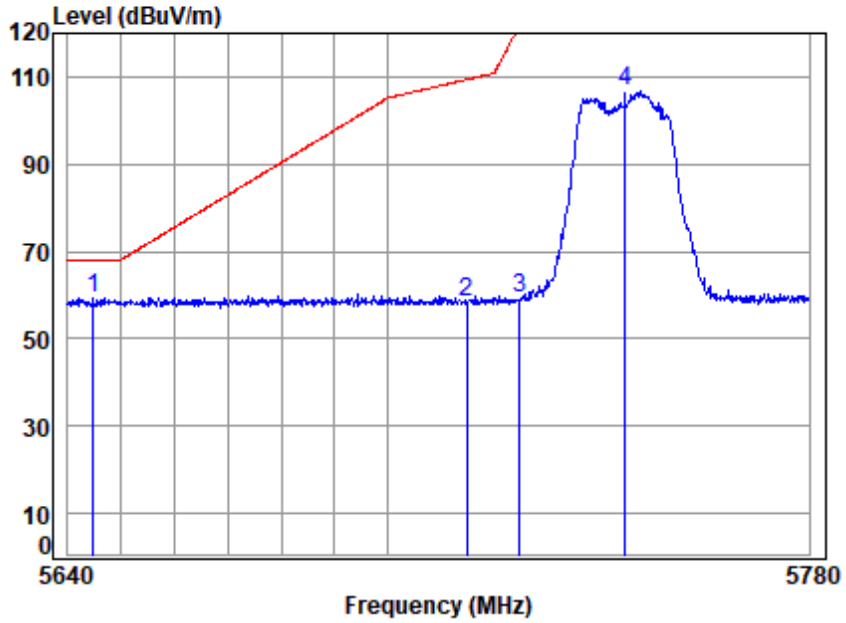
Test Mode: 12; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03809WM/03810WM
Mode : 5745 Band edge
: 5.8G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5644.150	10.48	33.09	30.64	46.85	59.78	68.20	-8.42	peak
2	5715.000	10.63	33.23	30.61	45.62	58.87	109.40	-50.53	peak
3	5725.000	10.68	33.25	30.61	46.98	60.30	122.20	-61.90	peak
4	5745.000	10.77	33.29	30.60	93.87	107.33	------	------	peak

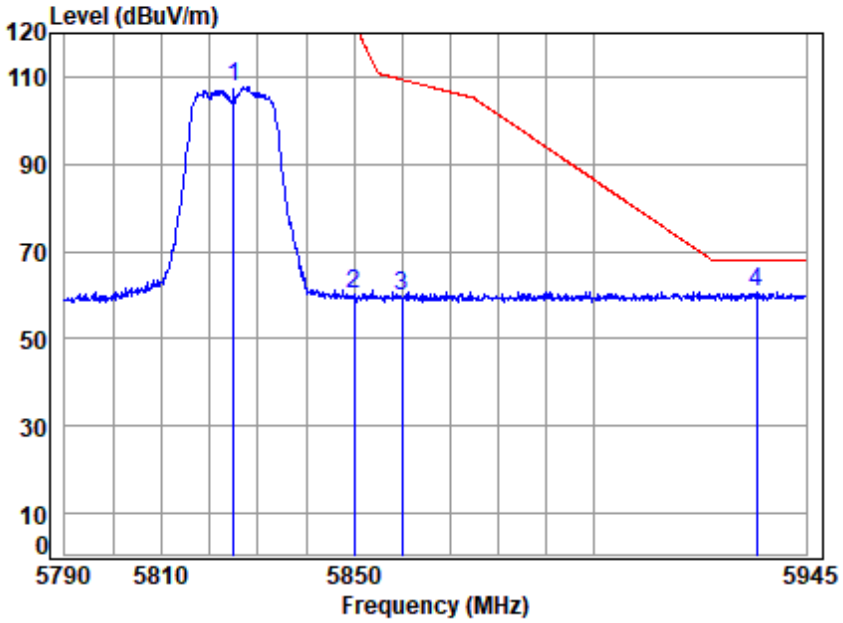
Test Mode: 12; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03809WM/03810WM
Mode : 5745 Band edge
: 5.8G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5644.704	10.48	33.09	30.64	46.28	59.21	68.20	-8.99	peak
2	5715.000	10.63	33.23	30.61	45.21	58.46	109.40	-50.94	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	93.15	106.61	------	------	peak

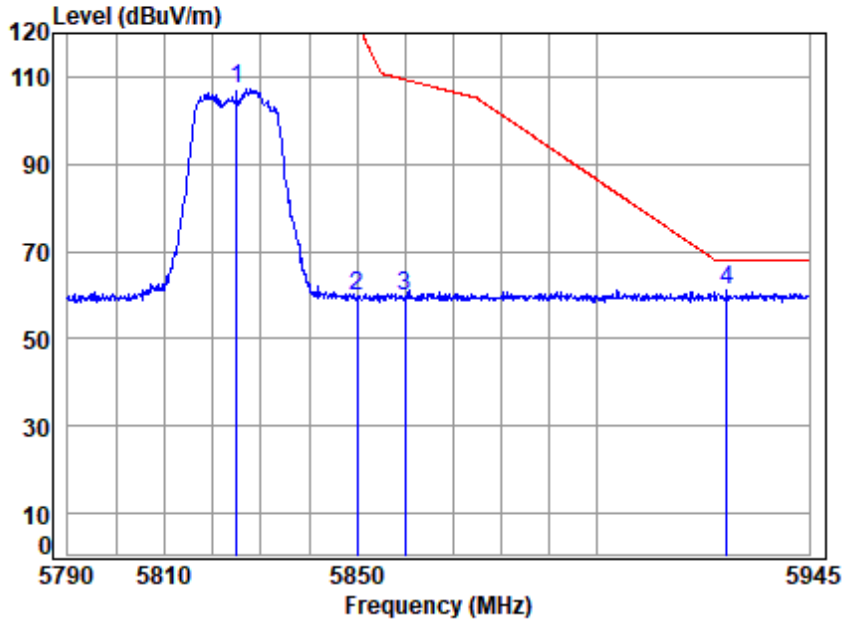
Test Mode: 12; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03809WM/03810WM
Mode : 5825 Band edge
: 5.8G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.000	10.99	33.50	30.57	93.87	107.79	------	------	peak
2	5850.000	10.95	33.60	30.56	46.15	60.14	122.20	-62.06	peak
3	5860.000	10.94	33.58	30.56	45.81	59.77	109.40	-49.63	peak
4 pp	5934.486	10.86	33.57	30.53	46.90	60.80	68.20	-7.40	peak

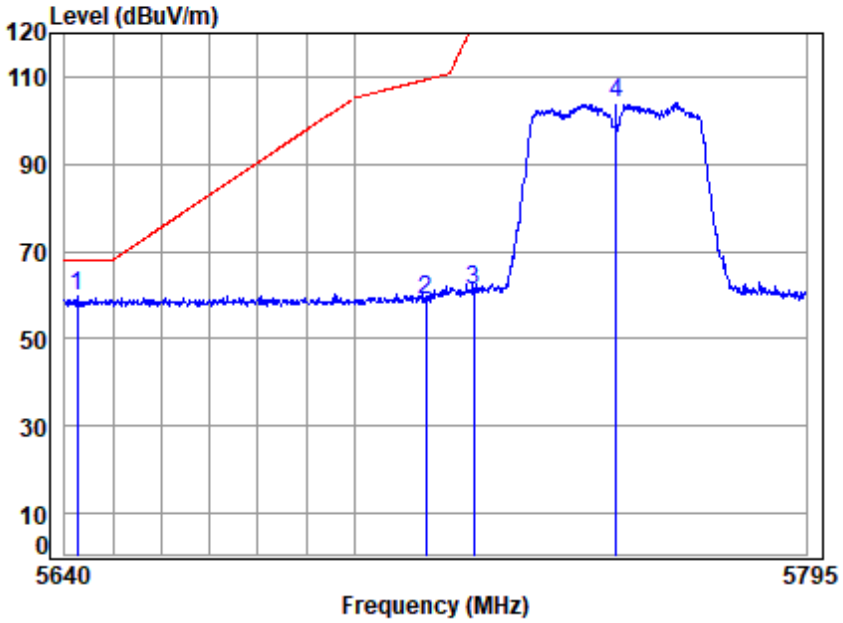
Test Mode: 12; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03809WM/03810WM
Mode : 5825 Band edge
: 5.8G WIFI 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.000	10.99	33.50	30.57	93.23	107.15	------	------	peak
2	5850.000	10.95	33.60	30.56	45.97	59.96	122.20	-62.24	peak
3	5860.000	10.94	33.58	30.56	45.62	59.58	109.40	-49.82	peak
4 pp	5927.592	10.87	33.56	30.53	47.45	61.35	68.20	-6.85	peak

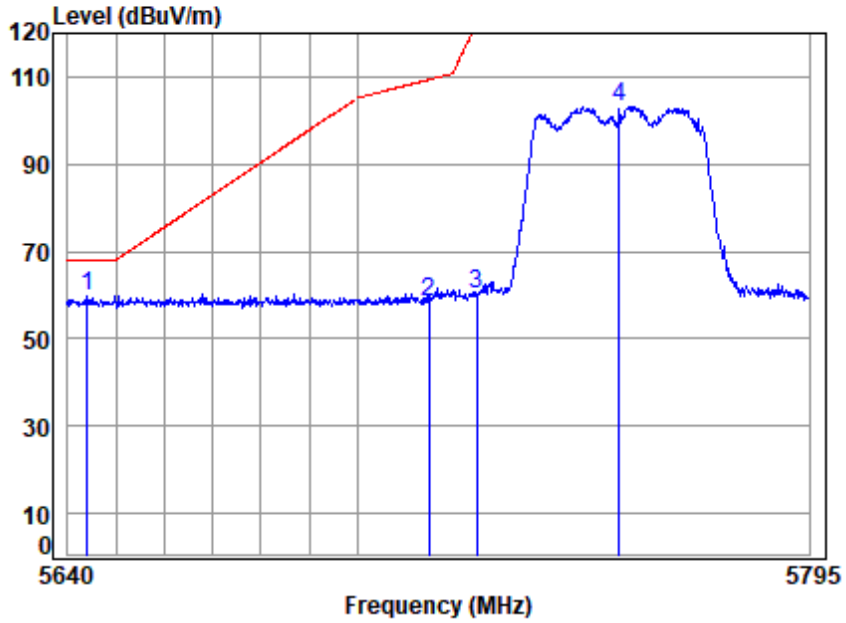
Test Mode: 12; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03809WM/03810WM
Mode : 5755 Band edge
: 5.8G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5642.600	10.47	33.09	30.64	46.86	59.78	68.20	-8.42	peak
2	5715.000	10.63	33.23	30.61	45.72	58.97	109.40	-50.43	peak
3	5725.000	10.68	33.25	30.61	47.94	61.26	122.20	-60.94	peak
4	5755.000	10.81	33.31	30.60	90.53	104.05	------	------	peak

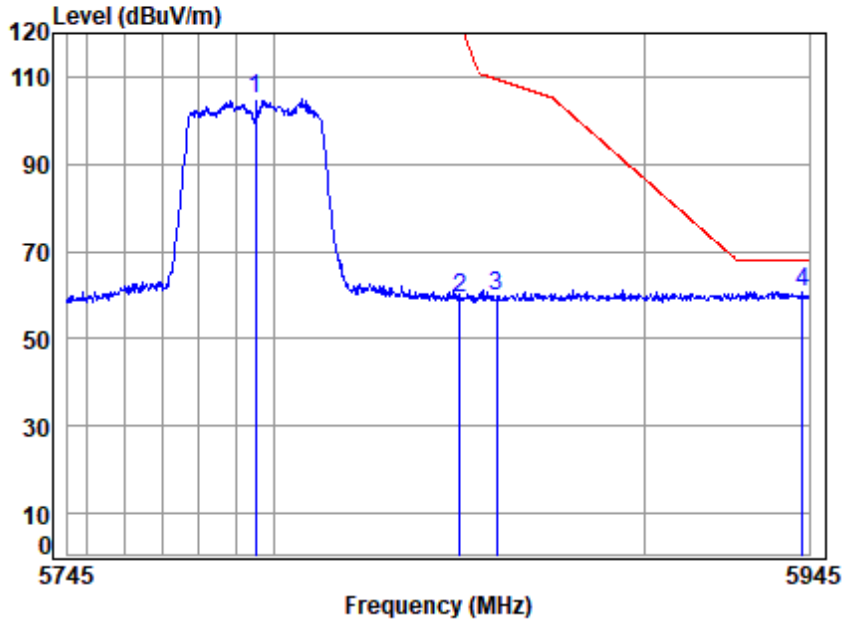
Test Mode: 12; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03809WM/03810WM
Mode : 5755 Band edge
: 5.8G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5644.130	10.48	33.09	30.64	46.80	59.73	68.20	-8.47	peak
2	5715.000	10.63	33.23	30.61	45.26	58.51	109.40	-50.89	peak
3	5725.000	10.68	33.25	30.61	46.81	60.13	122.20	-62.07	peak
4	5755.000	10.81	33.31	30.60	89.75	103.27	------	------	peak

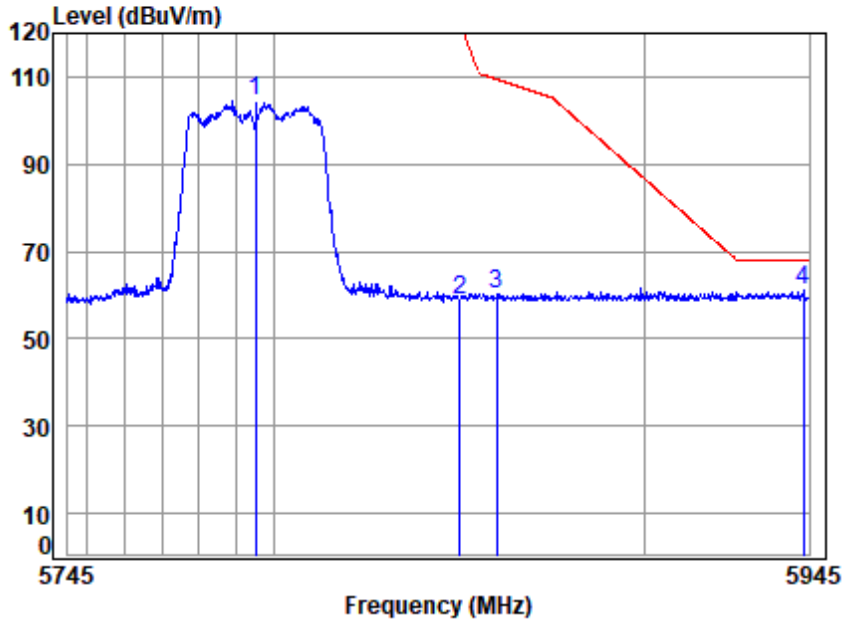
Test Mode: 12; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03809WM/03810WM
Mode : 5795 Band edge
: 5.8G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5795.000	11.00	33.39	30.58	90.96	104.77	------	------	peak
2	5850.000	10.95	33.60	30.56	45.36	59.35	122.20	-62.85	peak
3	5860.000	10.94	33.58	30.56	45.79	59.75	109.40	-49.65	peak
4 pp	5943.169	10.86	33.59	30.52	46.94	60.87	68.20	-7.33	peak

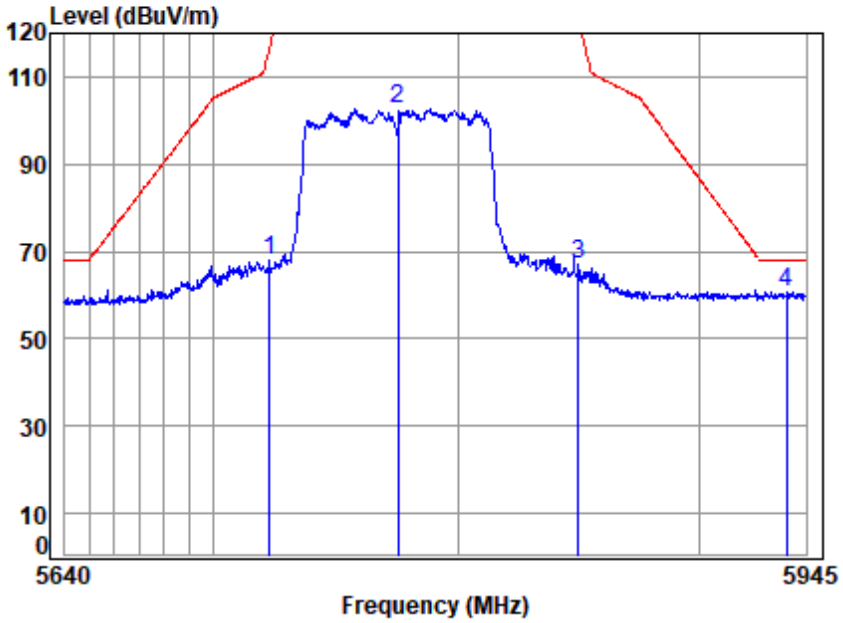
Test Mode: 12; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03809WM/03810WM
Mode : 5795 Band edge
: 5.8G WIFI 11N40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5795.000	11.00	33.39	30.58	90.59	104.40	------	------	peak
2	5850.000	10.95	33.60	30.56	44.99	58.98	122.20	-63.22	peak
3	5860.000	10.94	33.58	30.56	46.09	60.05	109.40	-49.35	peak
4	pp 5943.576	10.86	33.59	30.52	47.35	61.28	68.20	-6.92	peak

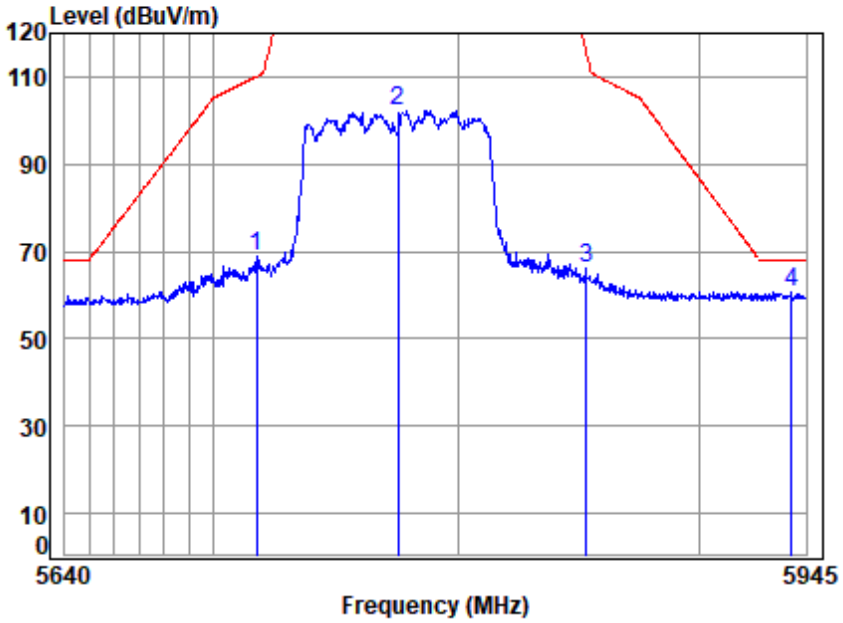
Test Mode: 12; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL
Job No : 03809WM/03810WM
Mode : 5775 Band edge
: 5.8G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5722.582	10.66	33.25	30.61	54.68	67.98	116.69	-48.71	peak
2	5775.000	10.91	33.35	30.59	89.05	102.72	------	------	peak
3	5849.650	10.96	33.60	30.56	52.90	66.90	------	------	peak
4 pp	5936.865	10.86	33.57	30.53	46.96	60.86	68.20	-7.34	peak

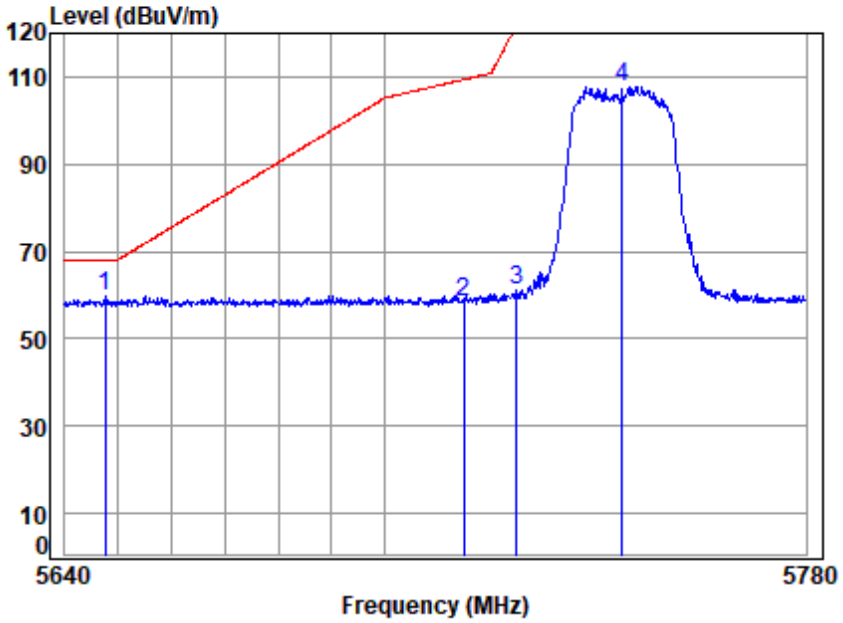
Test Mode: 12; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL
Job No : 03809WM/03810WM
Mode : 5775 Band edge
: 5.8G WIFI 11AC80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5717.460	10.64	33.23	30.61	55.57	68.83	110.09	-41.26	peak
2	5775.000	10.91	33.35	30.59	88.64	102.31	------	------	peak
3	5852.732	10.95	33.59	30.56	52.24	66.22	115.97	-49.75	peak
4 pp	5938.741	10.86	33.58	30.52	46.70	60.62	68.20	-7.58	peak

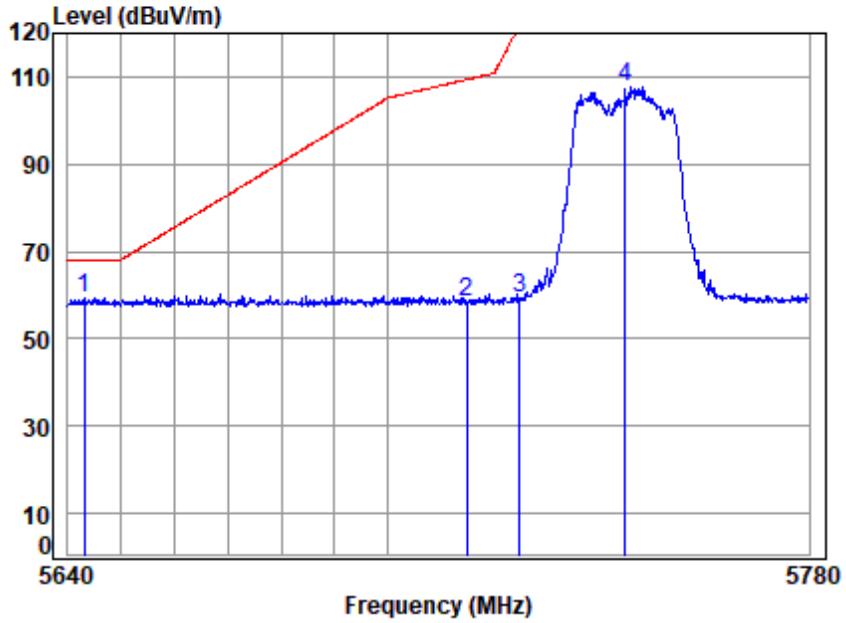
Test Mode: 12; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03809WM/03810WM
Mode : 5745 Band edge
: 5.8G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5647.473	10.48	33.09	30.64	46.70	59.63	68.20	-8.57	peak
2	5715.000	10.63	33.23	30.61	45.38	58.63	109.40	-50.77	peak
3	5725.000	10.68	33.25	30.61	47.86	61.18	122.20	-61.02	peak
4	5745.000	10.77	33.29	30.60	94.32	107.78	------	------	peak

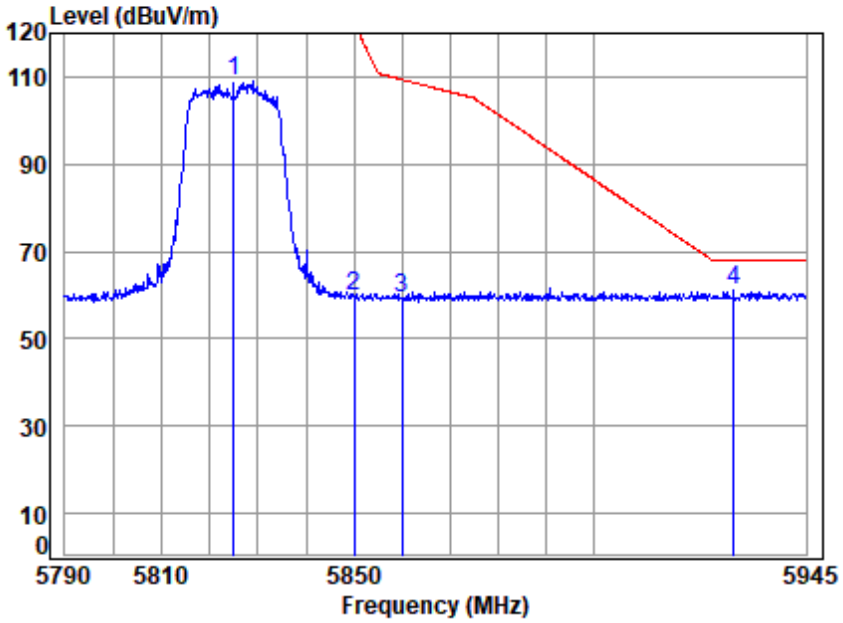
Test Mode: 12; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03809WM/03810WM
Mode : 5745 Band edge
: 5.8G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5643.043	10.47	33.09	30.64	46.57	59.49	68.20	-8.71	peak
2	5715.000	10.63	33.23	30.61	45.16	58.41	109.40	-50.99	peak
3	5725.000	10.68	33.25	30.61	46.09	59.41	122.20	-62.79	peak
4	5745.000	10.77	33.29	30.60	94.23	107.69	------	------	peak

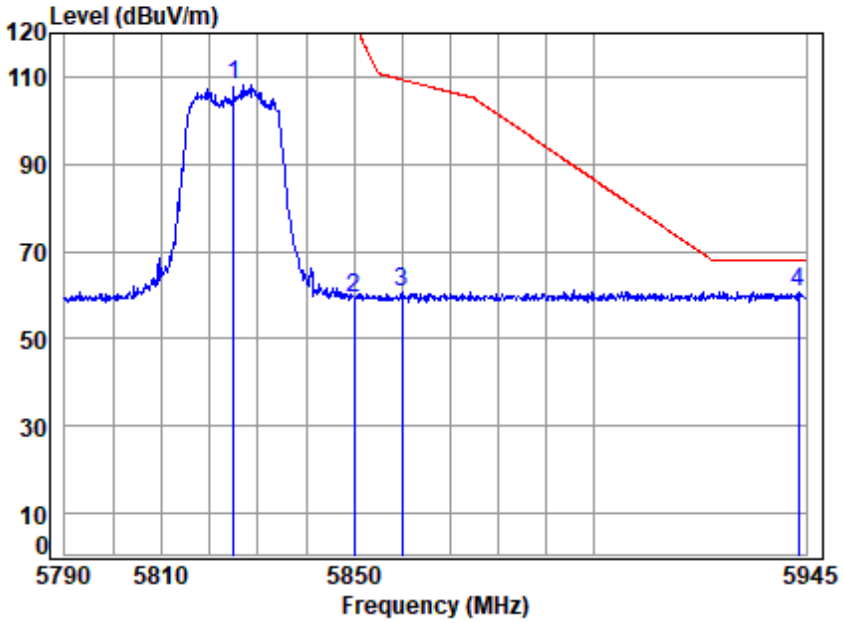
Test Mode: 12; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03809WM/03810WM
Mode : 5825 Band edge
: 5.8G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.000	10.99	33.50	30.57	95.26	109.18	------	------	peak
2	5850.000	10.95	33.60	30.56	45.73	59.72	122.20	-62.48	peak
3	5860.000	10.94	33.58	30.56	45.46	59.42	109.40	-49.98	peak
4 pp	5929.628	10.87	33.56	30.53	47.02	60.92	68.20	-7.28	peak

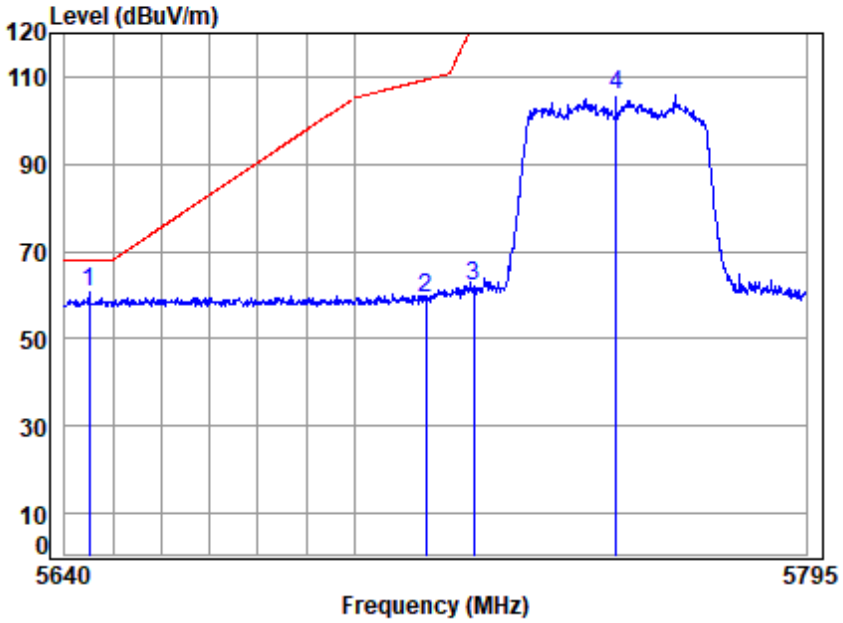
Test Mode: 12; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03809WM/03810WM
Mode : 5825 Band edge
: 5.8G WIFI 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.000	10.99	33.50	30.57	94.29	108.21	------	------	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	46.56	60.52	109.40	-48.88	peak
4 pp	5943.430	10.86	33.59	30.52	46.83	60.76	68.20	-7.44	peak

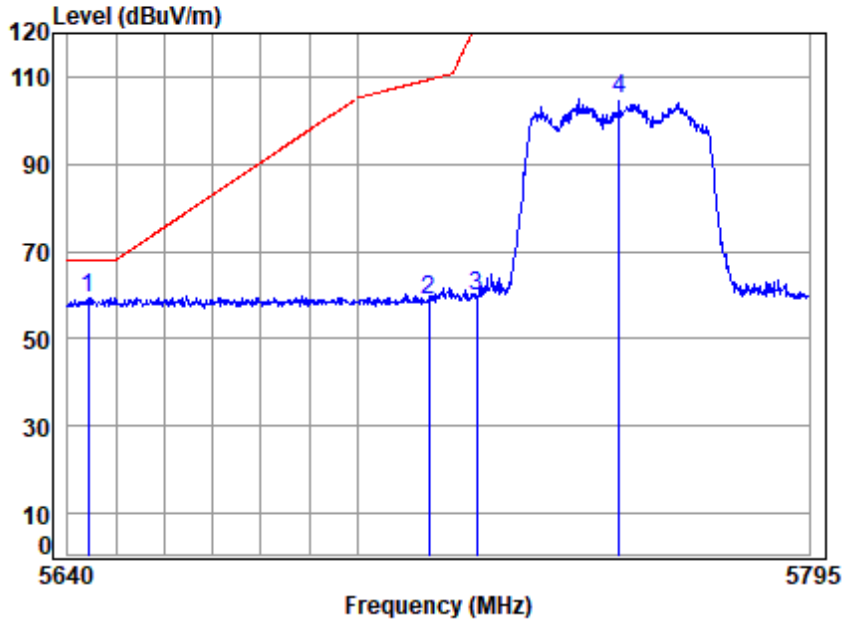
Test Mode: 12; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 03809WM/03810WM
Mode : 5755 Band edge
: 5.8G WIFI 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5645.048	10.48	33.09	30.64	47.89	60.82	68.20	-7.38	peak
2	5715.000	10.63	33.23	30.61	45.99	59.24	109.40	-50.16	peak
3	5725.000	10.68	33.25	30.61	48.81	62.13	122.20	-60.07	peak
4	5755.000	10.81	33.31	30.60	92.41	105.93	------	------	peak

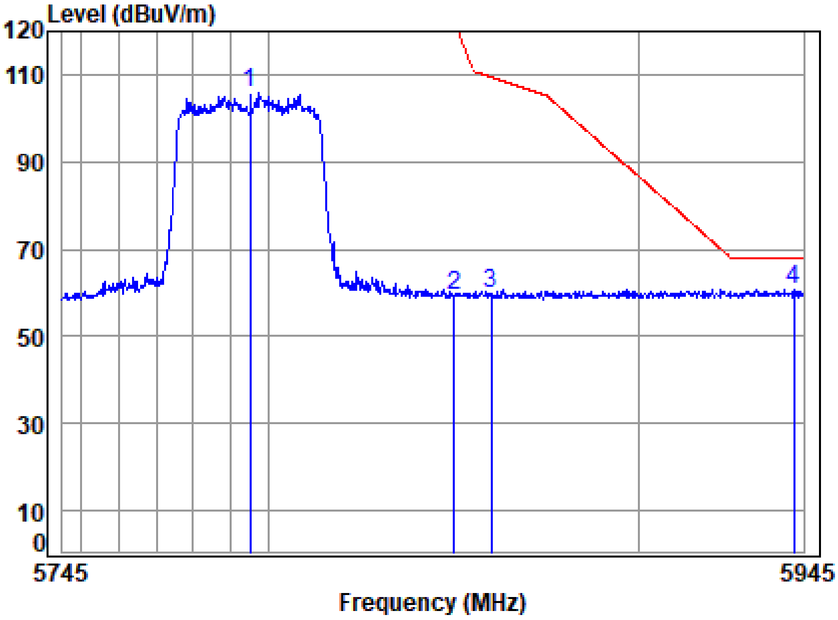
Test Mode: 12; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL
Job No : 03809WM/03810WM
Mode : 5755 Band edge
: 5.8G WIFI 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5644.283	10.48	33.09	30.64	46.60	59.53	68.20	-8.67	peak
2	5715.000	10.63	33.23	30.61	45.67	58.92	109.40	-50.48	peak
3	5725.000	10.68	33.25	30.61	46.60	59.92	122.20	-62.28	peak
4	5755.000	10.81	33.31	30.60	91.44	104.96	------	------	peak

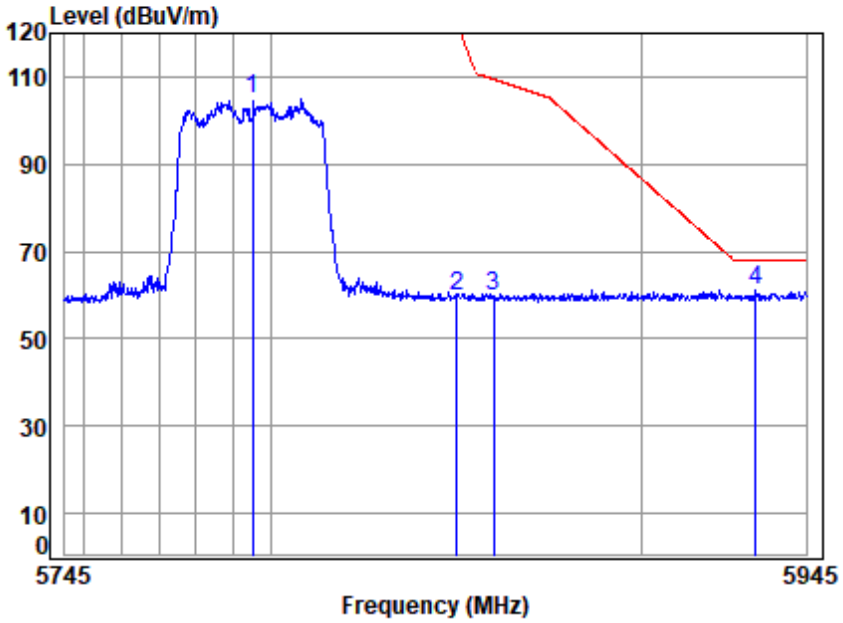
Test Mode: 12; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 03809WM/03810WM
Mode : 5795 Band edge
: 5.8G WIFI 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5795.000	11.00	33.39	30.58	92.16	105.97	------	------	peak
2	5850.000	10.95	33.60	30.56	45.29	59.28	122.20	-62.92	peak
3	5860.000	10.94	33.58	30.56	45.58	59.54	109.40	-49.86	peak
4 pp	5942.356	10.86	33.58	30.52	46.79	60.71	68.20	-7.49	peak

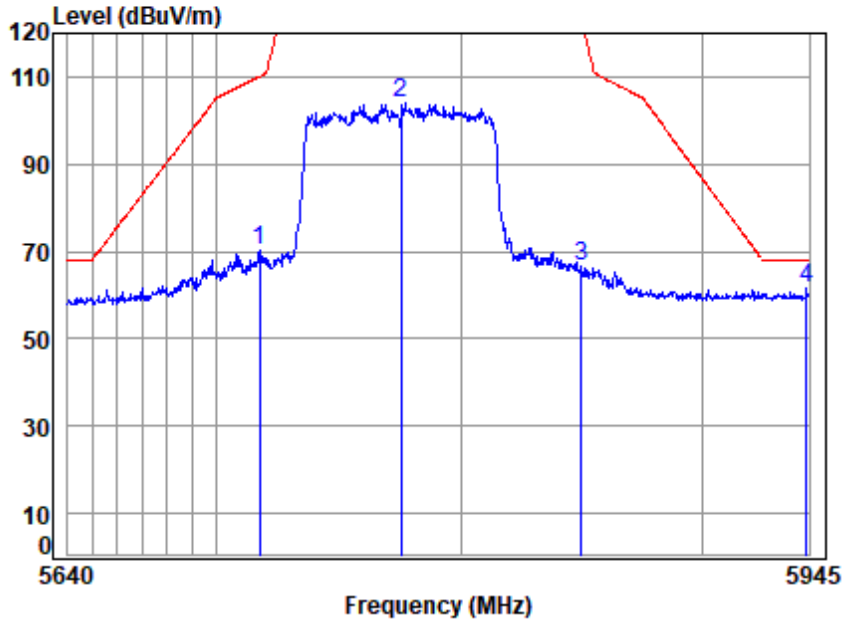
Test Mode: 12; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL
Job No : 03809WM/03810WM
Mode : 5795 Band edge
: 5.8G WIFI 11AX40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5795.000	11.00	33.39	30.58	91.01	104.82	------	------	peak
2	5850.000	10.95	33.60	30.56	45.73	59.72	122.20	-62.48	peak
3	5860.000	10.94	33.58	30.56	45.82	59.78	109.40	-49.62	peak
4 pp	5931.182	10.87	33.56	30.53	47.21	61.11	68.20	-7.09	peak

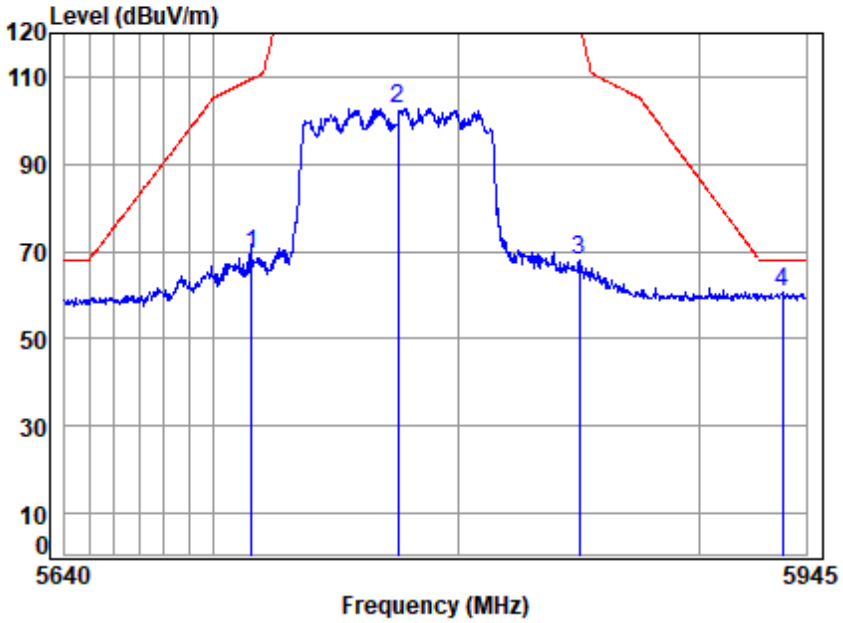
Test Mode: 12; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL
Job No : 03809WM/03810WM
Mode : 5775 Band edge
: 5.8G WIFI 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5717.460	10.64	33.23	30.61	56.82	70.08	110.09	-40.01	peak
2	5775.000	10.91	33.35	30.59	90.48	104.15	------	------	peak
3	5849.650	10.96	33.60	30.56	52.84	66.84	------	------	peak
4 pp	5943.748	10.86	33.59	30.52	47.44	61.37	68.20	-6.83	peak

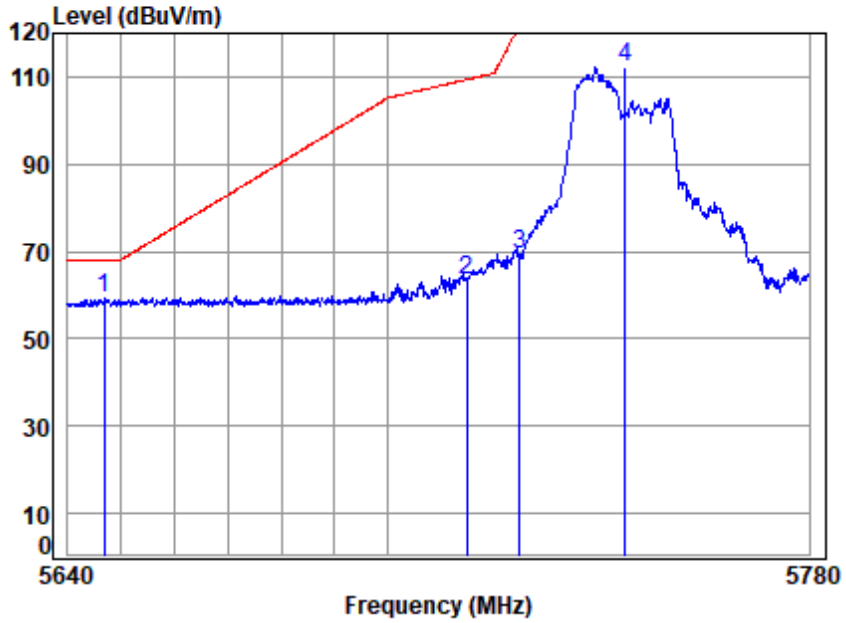
Test Mode: 12; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL
Job No : 03809WM/03810WM
Mode : 5775 Band edge
: 5.8G WIFI 11AX80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5715.353	10.63	33.23	30.61	56.10	69.35	109.50	-40.15	peak
2	5775.000	10.91	33.35	30.59	89.20	102.87	------	------	peak
3	5849.958	10.96	33.60	30.56	53.93	67.93	------	------	peak
4 pp	5934.989	10.86	33.57	30.53	46.97	60.87	68.20	-7.33	peak

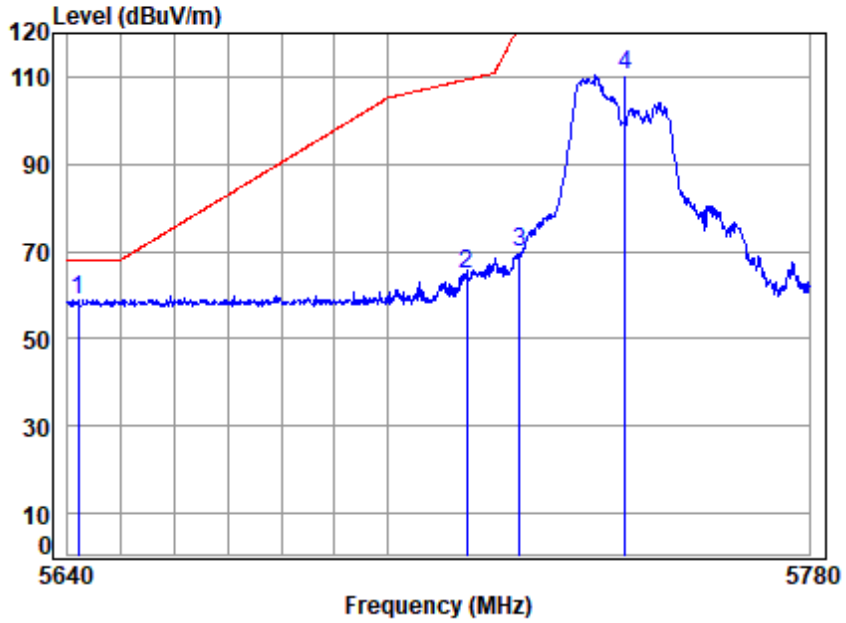
Test Mode: 12; Polarity: Horizontal; Hob Position Right; Up



Condition: 3m HORIZONTAL
Job No : 03809WM/03810WM
Mode : 5745 Band edge
: 5.8G WIFI 11AX20 RU106

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5646.780	10.48	33.09	30.64	46.24	59.17	68.20	-9.03	peak
2	5715.000	10.63	33.23	30.61	50.24	63.49	109.40	-45.91	peak
3	5725.000	10.68	33.25	30.61	56.14	69.46	122.20	-52.74	peak
4	5745.000	10.77	33.29	30.60	98.57	112.03	------	------	peak

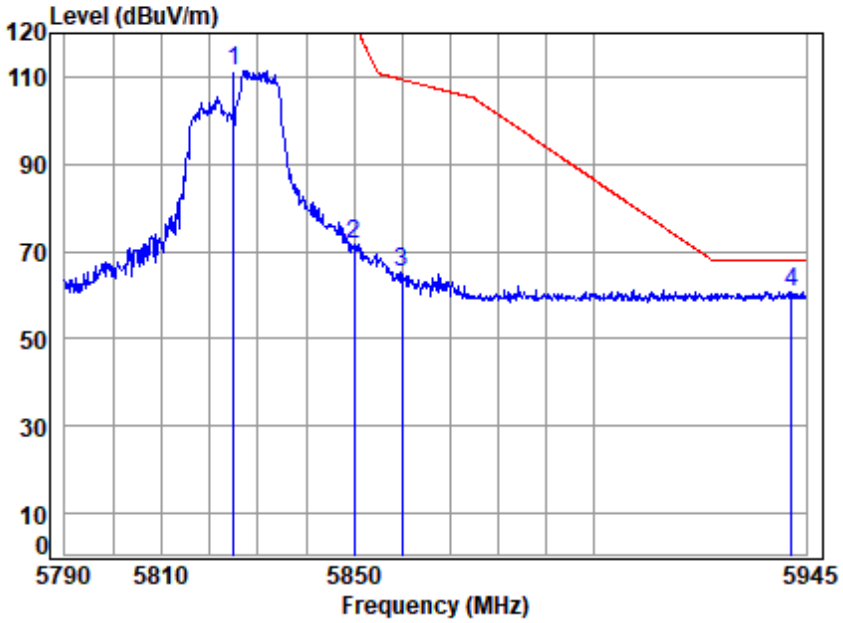
Test Mode: 12; Polarity: Vertical; Hob Position Right; Up



Condition: 3m VERTICAL
Job No : 03809WM/03810WM
Mode : 5745 Band edge
: 5.8G WIFI 11AX20 RU106

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5641.937	10.47	33.08	30.64	46.08	58.99	68.20	-9.21	peak
2	5715.000	10.63	33.23	30.61	51.48	64.73	109.40	-44.67	peak
3	5725.000	10.68	33.25	30.61	56.46	69.78	122.20	-52.42	peak
4	5745.000	10.77	33.29	30.60	96.89	110.35	------	------	peak

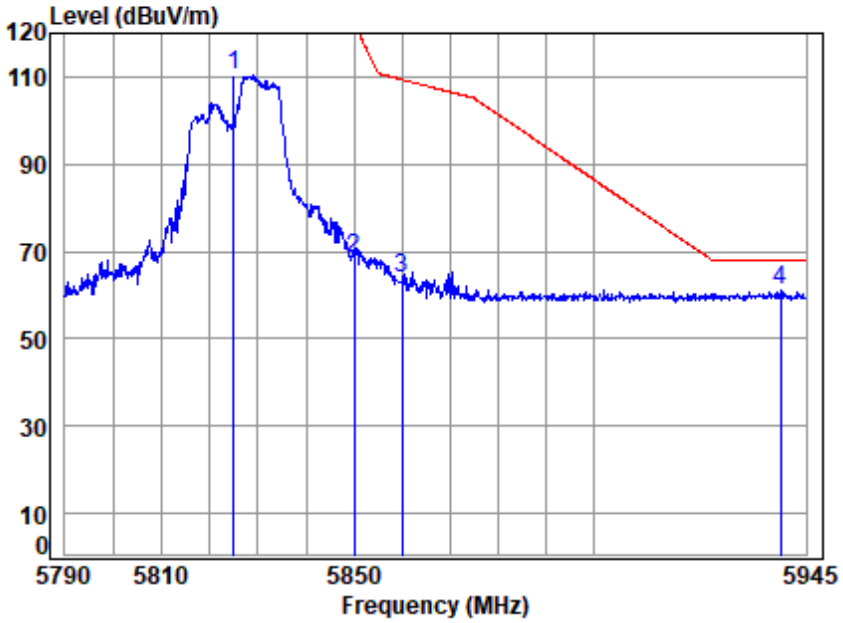
Test Mode: 12; Polarity: Horizontal; Hob Position Right; Up



Condition: 3m HORIZONTAL
Job No : 03809WM/03810WM
Mode : 5825 Band edge
: 5.8G WIFI 11AX20 RU106

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.000	10.99	33.50	30.57	97.38	111.30	------	------	peak
2	5850.000	10.95	33.60	30.56	57.46	71.45	122.20	-50.75	peak
3	5860.000	10.94	33.58	30.56	51.38	65.34	109.40	-44.06	peak
4 pp	5941.860	10.86	33.58	30.52	46.85	60.77	68.20	-7.43	peak

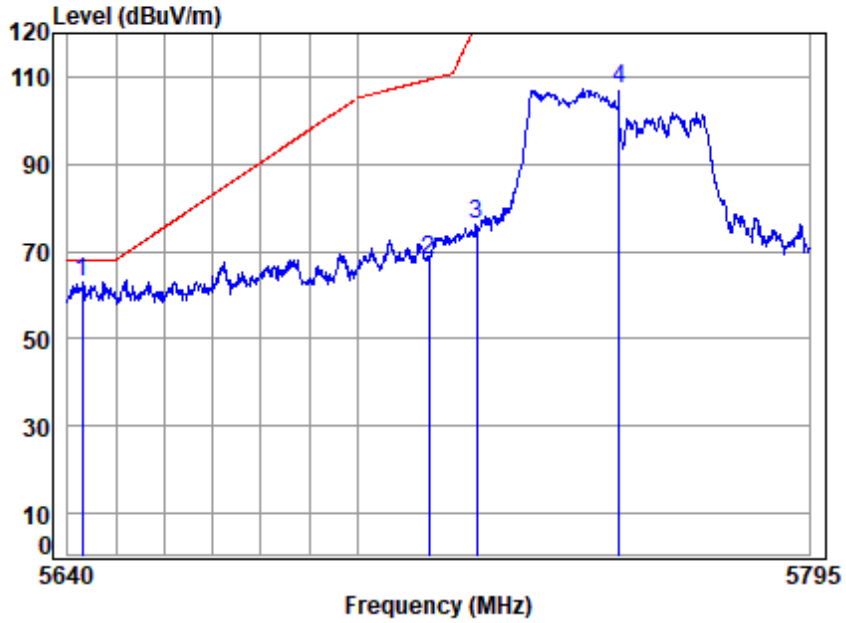
Test Mode: 12; Polarity: Vertical; Hob Position Right; Up



Condition: 3m VERTICAL
Job No : 03809WM/03810WM
Mode : 5825 Band edge
: 5.8G WIFI 11AX20 RU106

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.000	10.99	33.50	30.57	96.36	110.28	------	------	peak
2	5850.000	10.95	33.60	30.56	54.41	68.40	122.20	-53.80	peak
3	5860.000	10.94	33.58	30.56	50.08	64.04	109.40	-45.36	peak
4 pp	5939.505	10.86	33.58	30.52	47.35	61.27	68.20	-6.93	peak

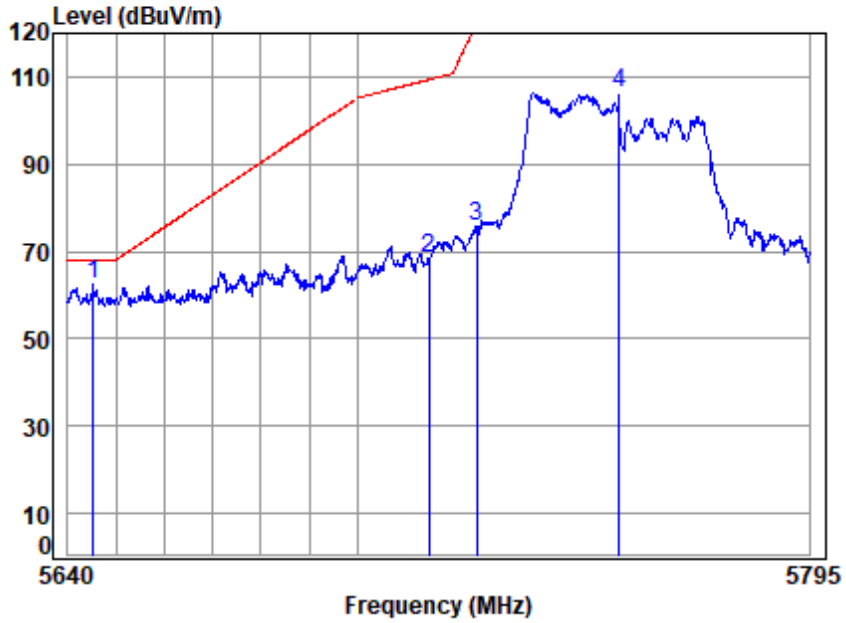
Test Mode: 12; Polarity: Horizontal; Hob Position Right; Up



Condition: 3m HORIZONTAL
Job No : 03809WM/03810WM
Mode : 5755 Band edge
: 5.8G WIFI 11AX40 RU242

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5643.059	10.47	33.09	30.64	50.10	63.02	68.20	-5.18	peak
2	5715.000	10.63	33.23	30.61	54.91	68.16	109.40	-41.24	peak
3	5725.000	10.68	33.25	30.61	62.71	76.03	122.20	-46.17	peak
4	5755.000	10.81	33.31	30.60	93.50	107.02	------	------	peak

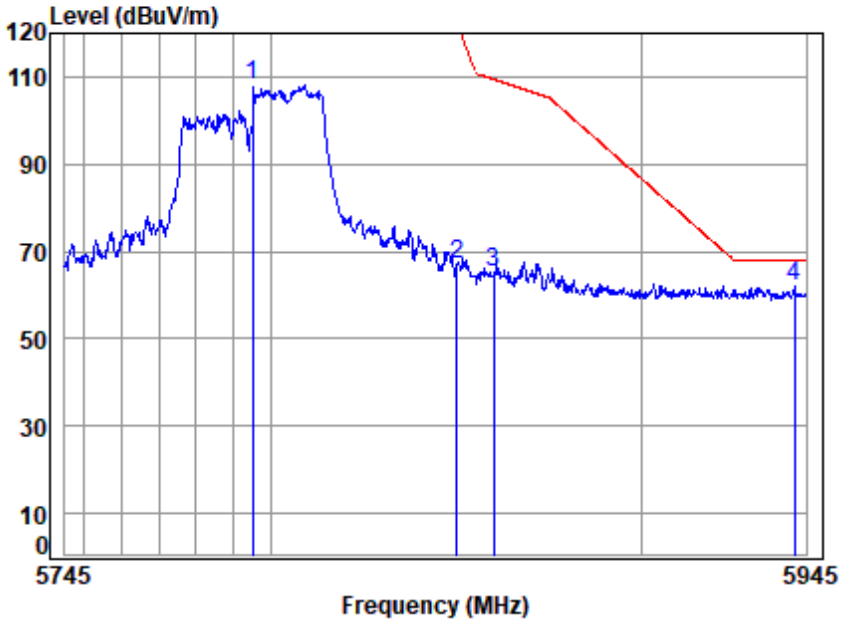
Test Mode: 12; Polarity: Vertical; Hob Position Right; Up



Condition: 3m VERTICAL
Job No : 03809WM/03810WM
Mode : 5755 Band edge
: 5.8G WIFI 11AX40 RU242

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5645.354	10.48	33.09	30.64	49.54	62.47	68.20	-5.73	peak
2	5715.000	10.63	33.23	30.61	55.01	68.26	109.40	-41.14	peak
3	5725.000	10.68	33.25	30.61	62.47	75.79	122.20	-46.41	peak
4	5755.000	10.81	33.31	30.60	92.84	106.36	------	------	peak

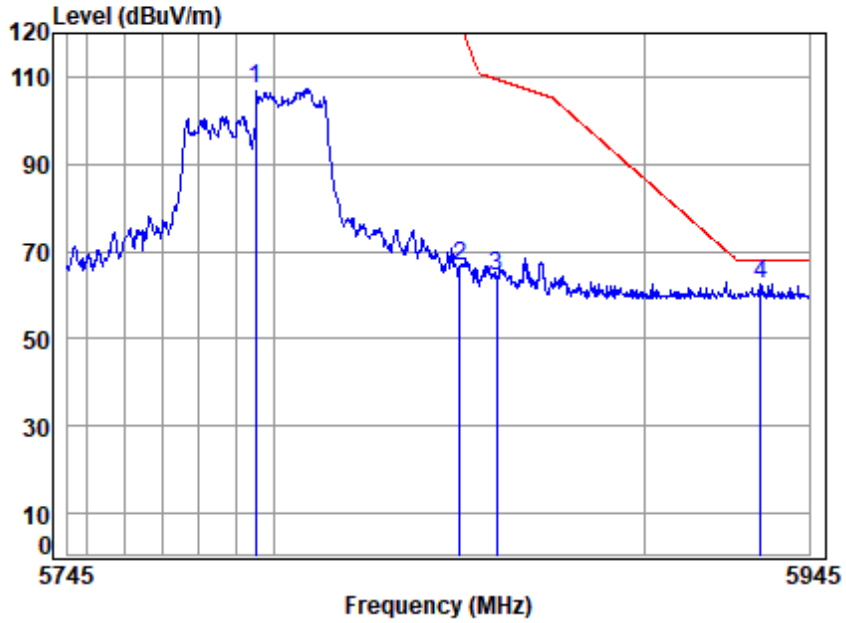
Test Mode: 12; Polarity: Horizontal; Hob Position Right; Up



Condition: 3m HORIZONTAL
Job No : 03809WM/03810WM
Mode : 5795 Band edge
: 5.8G WIFI 11AX40 RU242

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5795.000	11.00	33.39	30.58	94.54	108.35	------	------	peak
2	5850.000	10.95	33.60	30.56	53.10	67.09	122.20	-55.11	peak
3	5860.000	10.94	33.58	30.56	51.41	65.37	109.40	-44.03	peak
4 pp	5941.746	10.86	33.58	30.52	48.28	62.20	68.20	-6.00	peak

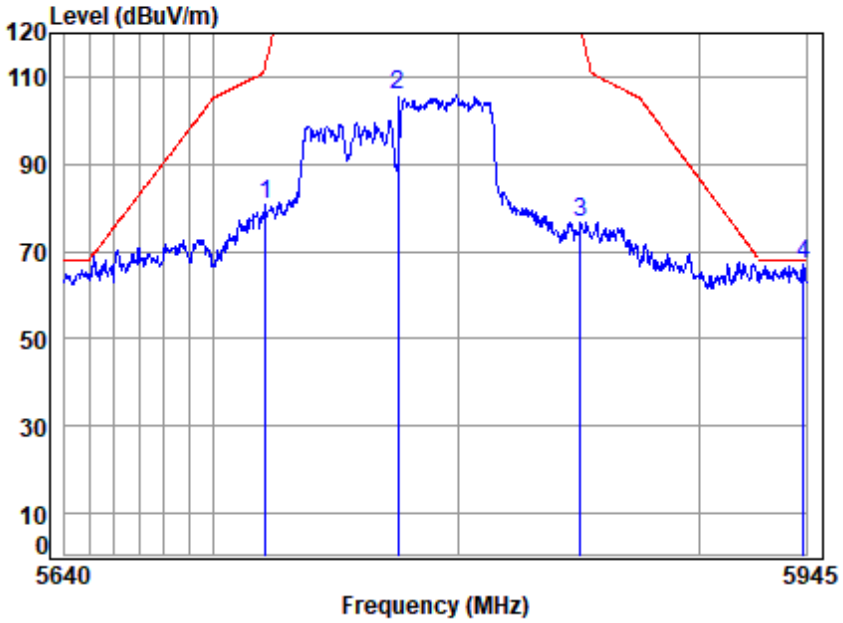
Test Mode: 12; Polarity: Vertical; Hob Position Right; Up



Condition: 3m VERTICAL
Job No : 03809WM/03810WM
Mode : 5795 Band edge
: 5.8G WIFI 11AX40 RU242

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5795.000	11.00	33.39	30.58	93.43	107.24	------	------	peak
2	5850.000	10.95	33.60	30.56	52.84	66.83	122.20	-55.37	peak
3	5860.000	10.94	33.58	30.56	50.39	64.35	109.40	-45.05	peak
4 pp	5931.791	10.86	33.56	30.53	48.78	62.67	68.20	-5.53	peak

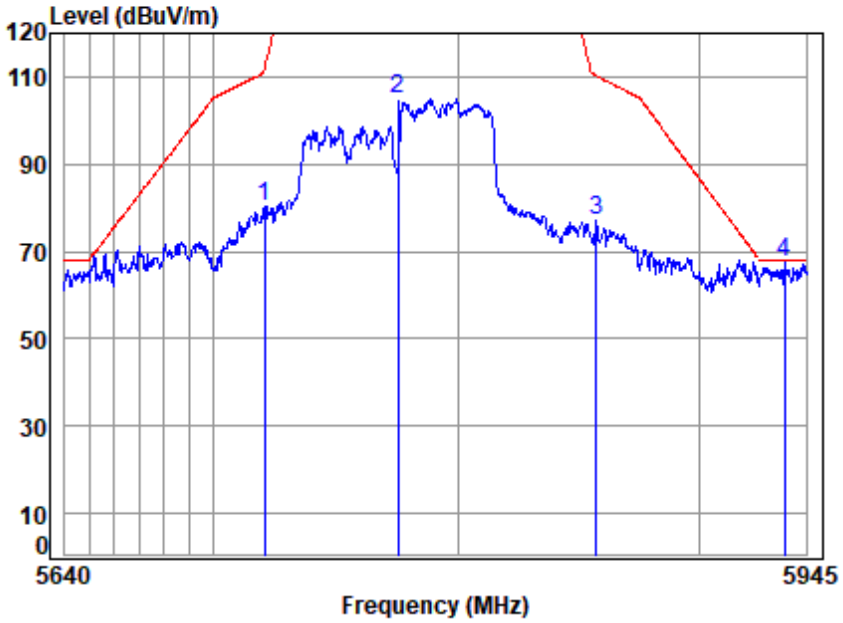
Test Mode: 12; Polarity: Horizontal; Hob Position Right; Up



Condition: 3m HORIZONTAL
Job No : 03809WM/03810WM
Mode : 5775 Band edge
: 5.8G WIFI 11AX80 RU484

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5721.075	10.66	33.24	30.61	67.38	80.67	113.25	-32.58	peak
2	5775.000	10.91	33.35	30.59	92.13	105.80	------	------	peak
3	5850.575	10.95	33.60	30.56	62.73	76.72	120.89	-44.17	peak
4 pp	5944.061	10.85	33.59	30.52	53.25	67.17	68.20	-1.03	peak

Test Mode: 12; Polarity: Vertical; Hob Position Right; Up



Condition: 3m VERTICAL
Job No : 03809WM/03810WM
Mode : 5775 Band edge
: 5.8G WIFI 11AX80 RU484

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5720.472	10.65	33.24	30.61	66.92	80.20	111.88	-31.68	peak
2	5775.000	10.91	33.35	30.59	91.33	105.00	------	------	peak
3	5857.049	10.95	33.59	30.56	62.92	76.90	110.23	-33.33	peak
4 pp	5935.927	10.86	33.57	30.53	53.43	67.33	68.20	-0.87	peak

7.6 Channel Move Time

Test Requirement KDB 905462 D02 Section 5.1

Test Method: KDB 905462 D02 Section 7.8.3

Limit:

Test item	Limit	Applicability	
		Master Device or client with Radar Detection	Client without Radar Detection
Non-occupancy period	Minimum 30 minutes	Yes	Not required
Channel Availability Check Time	60 seconds	Yes	Not required
Channel Move Time	10 seconds See Note 1.	Yes	Yes
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.	Yes	Yes
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.	Yes	Not required

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

7.6.1 E.U.T. Operation

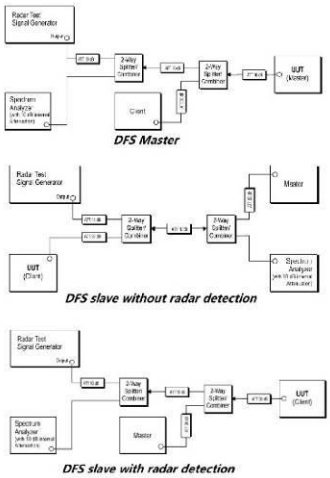
Operating Environment:

Temperature: 24 °C Humidity: 45 % RH Atmospheric Pressure: 1020 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	13	Normal operating_Keep the EUT communication with the companion device.

7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.

2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.

3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.

4) EUT will associate with the master at channel. The file “iperf.exe” specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.

5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.

6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.

7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: Dwell (0.3ms) =S (12000ms) / B (4000); where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: C (ms)= N X Dwell (0.3ms); where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.

8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

Please Refer to Appendix for Details

7.7 Duty Cycle

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

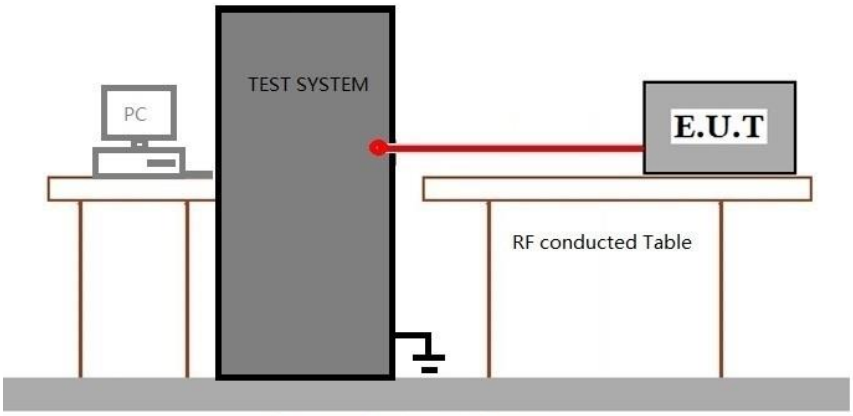
7.7.1 E.U.T. Operation

Operating Environment:
Temperature: 23.7 °C Humidity: 49.5 % RH Atmospheric Pressure: 1020 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	09	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	10	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	11	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	12	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.7.3 Test Setup Diagram



7.7.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.8 99% Bandwidth

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

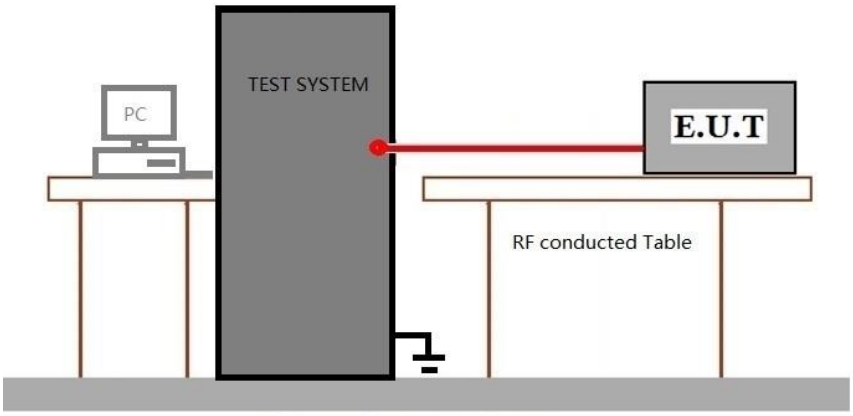
7.8.1 E.U.T. Operation

Operating Environment:
Temperature: 23.7 °C Humidity: 49.5 % RH Atmospheric Pressure: 1020 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	09	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	10	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	11	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	12	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.8.3 Test Setup Diagram



7.8.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.9 26dB Emission bandwidth

Test Requirement 47 CFR Part 15, Subpart E 15.407 (a)
Test Method: ANSI C63.10 (2013) Section 12.4.1

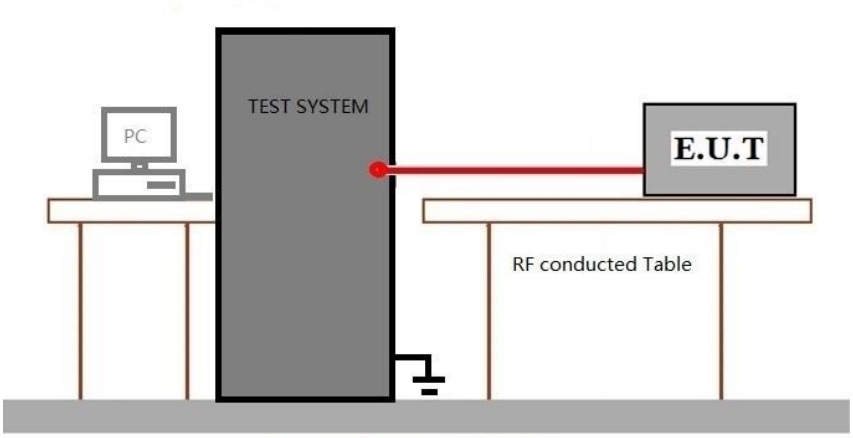
7.9.1 E.U.T. Operation

Operating Environment:
Temperature: 23.7 °C Humidity: 49.5 % RH Atmospheric Pressure: 1020 mbar

7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	09	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	10	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	11	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.9.3 Test Setup Diagram



7.9.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.10 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

7.10.1 E.U.T. Operation

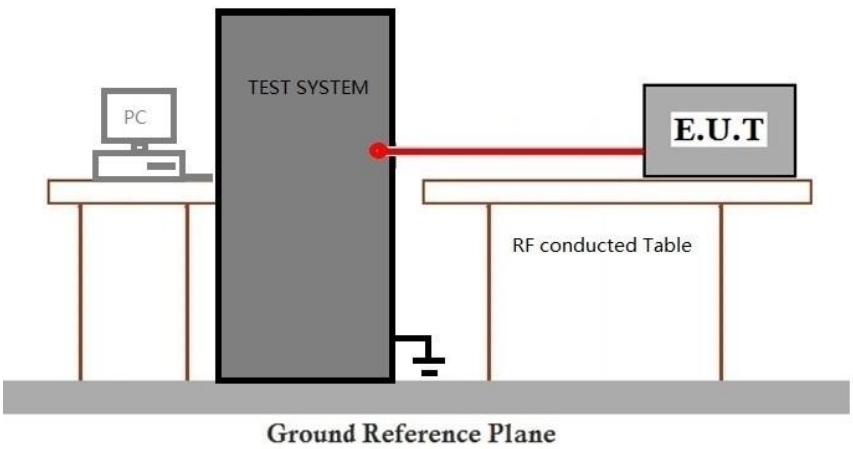
Operating Environment:

Temperature: 23.7 °C Humidity: 49.5 % RH Atmospheric Pressure: 1020 mbar

7.10.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	12	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.10.3 Test Setup Diagram



7.10.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.11 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.

7.11.1 E.U.T. Operation

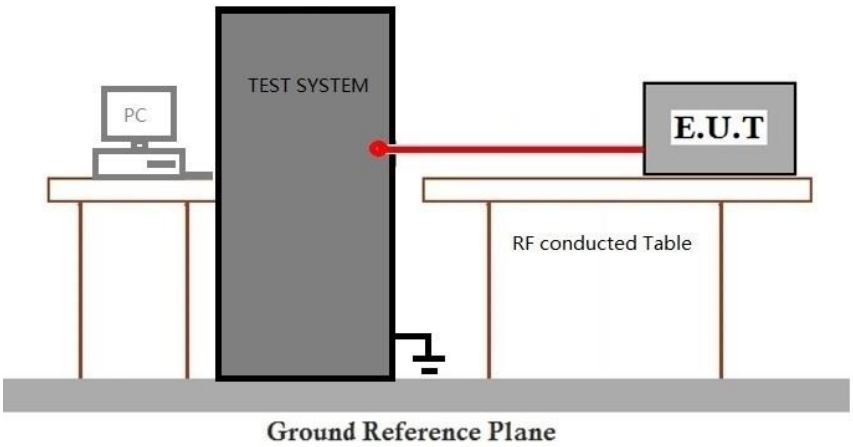
Operating Environment:

Temperature: 23.7 °C Humidity: 49.5 % RH Atmospheric Pressure: 1020 mbar

7.11.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	09	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	10	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	11	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	12	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.11.3 Test Setup Diagram



7.11.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.12 Frequency Stability

Test Requirement 47 CFR Part 15, Subpart E 15.407 (g)
Test Method: ANSI C63.10 (2013) Section 6.8

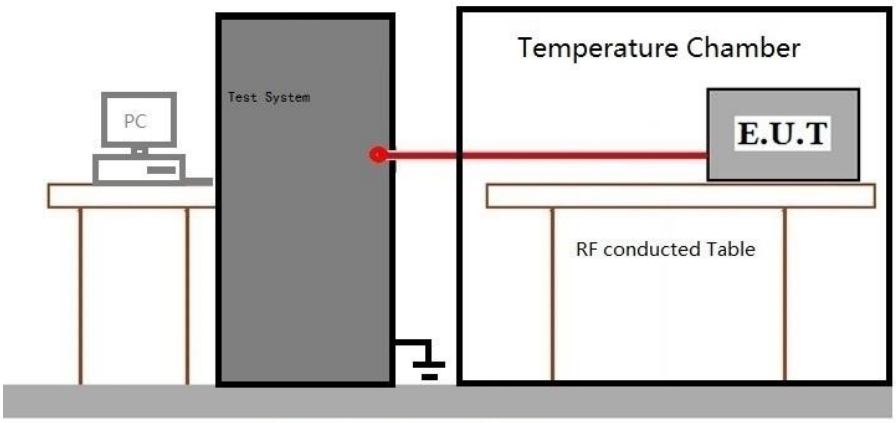
7.12.1 E.U.T. Operation

Operating Environment:
Temperature: 23.7 °C Humidity: 49.5 % RH Atmospheric Pressure: 1020 mbar

7.12.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	09	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	10	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	11	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	12	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.12.3 Test Setup Diagram



7.12.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.13 Channel Closing Transmission Time

Test Requirement KDB 905462 D02 Section 5.1

Test Method: KDB 905462 D02 Section 7.8.3

Limit:

Test item	Limit	Applicability	
		Master Device or client with Radar Detection	Client without Radar Detection
Non-occupancy period	Minimum 30 minutes	Yes	Not required
Channel Availability Check Time	60 seconds	Yes	Not required
Channel Move Time	10 seconds See Note 1.	Yes	Yes
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.	Yes	Yes
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.	Yes	Not required

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

7.13.1 E.U.T. Operation

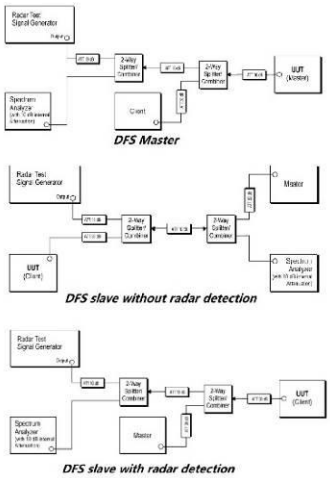
Operating Environment:

Temperature: 24 °C Humidity: 45 % RH Atmospheric Pressure: 1020 mbar

7.13.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	13	Normal operating_Keep the EUT communication with the companion device.

7.13.3 Test Setup Diagram



7.13.4 Measurement Procedure and Data

1) The radar pulse generator is setup to provide a pulse at frequency that the master and client are operating. A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.

2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -61dBm at the antenna port of the master device.

3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.

4) EUT will associate with the master at channel. The file “iperf.exe” specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using Media Player Classic Ver. 6.4.8.6 in order to properly load the network for the entire period of the test.

5) When radar burst with a level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection Threshold +1dB.

6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). One 15 seconds plot is reported for the Short Pulse Radar Type 0. The plot for the Short Pulse Radar Types start at the end of the radar burst. The Channel Move Time will be calculated based on the zoom in 600ms plot of the Short Pulse Radar Type.

7) Measurement of the aggregate duration of the Channel Closed Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: Dwell (0.3ms) =S (12000ms) / B (4000); where Dwell is the dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: C (ms)= N X Dwell (0.3ms); where C is the Closing Time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and Dwell is the dwell time per bin.

8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

Please Refer to Appendix for Details

8 Test Setup Photo

Refer to Appendix – WLAN Test Setup Photo for SZCR2410003810WM

9 EUT Constructional Details (EUT Photos)

Refer to Appendix – External and Internal Photos for SZCR2410003810WM