

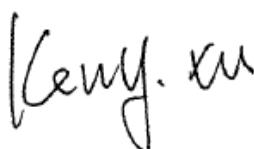
TEST REPORT

Application No.: SZCR2504001683TL
Applicant: KE2 Therm Solutions, Inc.
Address of Applicant: 12 Chamber Drive, Washington, MO, 63090, United States
Manufacturer: KE2 Therm Solutions, Inc.
Address of Manufacturer: 12 Chamber Drive, Washington, MO, 63090, United States
Equipment Under Test (EUT):
EUT Name: KE2 Edge Manager Cell 2
Model No.: KE2-EM Cell 2
Trade Mark:

FCC ID: 2AOPR-22245
Standard(s) : 47 CFR Part 15, Subpart E 15.407
Date of Receipt: 2025-04-28
Date of Test: 2025-05-07 to 2025-05-14
Date of Issue: 2025-06-18

Test Result:	Pass*
---------------------	--------------

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



Keny Xu
EMC Laboratory Manager



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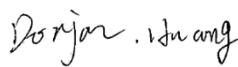
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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250400168304

Page: 2 of 209

Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2025-06-18		Original

Authorized for issue by:			
			
		Donjon Huang/Project Engineer	
			
		Eric Fu/Reviewer	

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2 Test Summary

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Radiated Emissions (Below 1GHz)	47 CFR Part 15, Subpart E 15.407	ANSI C63.10 (2020) 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 (2020) 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 (2020) Section 6.10.5	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass

Remark:

Model No.: KE2-EM Cell 2

This test report (reference number: SZCR250400168304) is based on FCC ID: 2AOPR-22245 applying for C2PC.

According to the applicant's statement, the samples in this report have been assessed to identify items that may affect the original test report results for comprehensive retesting.

Therefore in this report the section 2 items were fully retested on model and shown the data in this report, other tests please refer to original ID 2AOPR-22245.



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3 Contents

	Page
1 Cover Page	1
2 Test Summary	3
3 Contents	4
4 General Information.....	5
4.1 Details of E.U.T	5
4.2 Description of Support Units	5
4.3 Measurement Uncertainty	6
4.4 Test Location.....	7
4.5 Test Facility	7
4.6 Deviation from Standards.....	7
4.7 Abnormalities from Standard Conditions	7
5 Equipment List	8
6 Radio Spectrum Matter Test Results	10
6.1 Radiated Emissions (Below 1GHz)	10
6.1.1 E.U.T. Operation	10
6.1.2 Test Mode Description	10
6.1.3 Test Setup Diagram	11
6.1.4 Measurement Procedure and Data.....	12
6.2 Radiated Emissions (Above 1GHz).....	15
6.2.1 E.U.T. Operation	16
6.2.2 Test Mode Description	16
6.2.3 Test Setup Diagram	17
6.2.4 Measurement Procedure and Data.....	17
6.3 Radiated Emissions which fall in the restricted bands	67
6.3.1 E.U.T. Operation	68
6.3.2 Test Mode Description	68
6.3.3 Test Setup Diagram	69
6.3.4 Measurement Procedure and Data.....	70
7 Test Setup Photo	209
8 EUT Constructional Details (EUT Photos)	209



4 General Information

4.1 Details of E.U.T.

Power supply:	Adapter Model: ICP30A-120-2500 Input: AC 100-240V 50/60Hz 0.8A Output: DC 12V 2.5A.
Cable(s):	DC cable:100cm unshielded Network cable:70cm unshielded
Operation Frequency/Number of channels (20MHz):	5180-5240MHz (4 Channels); U-NII-2A: 5260-5320MHz (4 Channels); U-NII-2C: 5500-5700MHz (11 Channels); U-NII-3: 5745-5825MHz (5 Channels)
Operation Frequency/Number of channels/(40MHz):	5190-5230MHz (2 Channels); U-NII-2A: 5270-5310MHz (2 Channels); U-NII-2C: 5510-5670MHz (5 Channels); U-NII-3: 5755-5795MHz (2 Channels)
Operation Frequency/Number of channels (80MHz):	5210MHz (1 Channel); U-NII-2A: 5290MHz (1 Channels); U-NII-2C: 5530-5610MHz (2 Channels); U-NII-3: 5775MHz (1 Channel)
Modulation Type:	OFDM (64QAM, 16QAM, QPSK, BPSK); 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM); 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM); 802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024-QAM)
Channel Spacing:	802.11a/n/ac/ax 20: 20MHz; 802.11n/ac/ax 40: 40MHz; 802.11ac/ax 80: 80MHz; 802.11ac/ax 160: 160MHz
DFS Function:	Master
TPC Function:	Support TPC function
Antenna Type:	For ANT1&ANT2:Dipole Antenna; For ANT3:FPC Antenna
Antenna Gain:	ANT1: 2.5dBi; ANT2: 3.5dBi; ANT3:3.65dBi; Directional Gain: 7.67dBi.
Antenna Number:	3

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.



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4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
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);

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:

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

No tests were sub-contracted.

4.5 Test Facility

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

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

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

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

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd.

Shenzhen EMC laboratory have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

- **FCC –Designation Number: CN1336**

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

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

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

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

CAB identifier: CN0006.

IC#: 4620C.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None

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5 Equipment List

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

Radiated Emissions (Above 1GHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Signal & Spectrum Analyzer	Rohde & Schwarz	FSV	SZ-WRG-M-048	2025-01-07	2026-01-06
Low Noise Amplifier 1G-18GHz	Tonscend	TAP01018050	SZ-WRG-M-051	2025-01-07	2026-01-06
Low Noise Amplifier 18G-40GHz	Tonscend	TAP18040048	SZ-WRG-M-052	2025-01-08	2026-01-07
Double Ridge Horn Antenna 1GHz-18GHz	SCHWARZBECK	BBHA 9120 D	SZ-WRG-M-055	2023-12-21	2025-12-20
SHF-EHF Horn 15GHz-40GHz	SCHWARZBECK	BBHA 9170	SZ-WRG-M-056	2023-12-25	2025-12-24
RSE Test Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Chamber	CRTSGSSAC966	N/A	SZ-WRG-C-063	2025-01-06	2028-01-05
Humidity and Temperature Indicator	deli	8838	SEM002-46	2024-07-24	2025-07-23

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SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250400168304

Page: 9 of 209

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

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	2025-03-03	2026-03-02

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6 Radio Spectrum Matter Test Results

6.1 Radiated Emissions (Below 1GHz)

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

Test Method: ANSI C63.10 (2020) 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

6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 23.6 °C Humidity: 42.8 % RH Atmospheric Pressure: 1020 mbar

6.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW80), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report
Pre-scan	03	TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of

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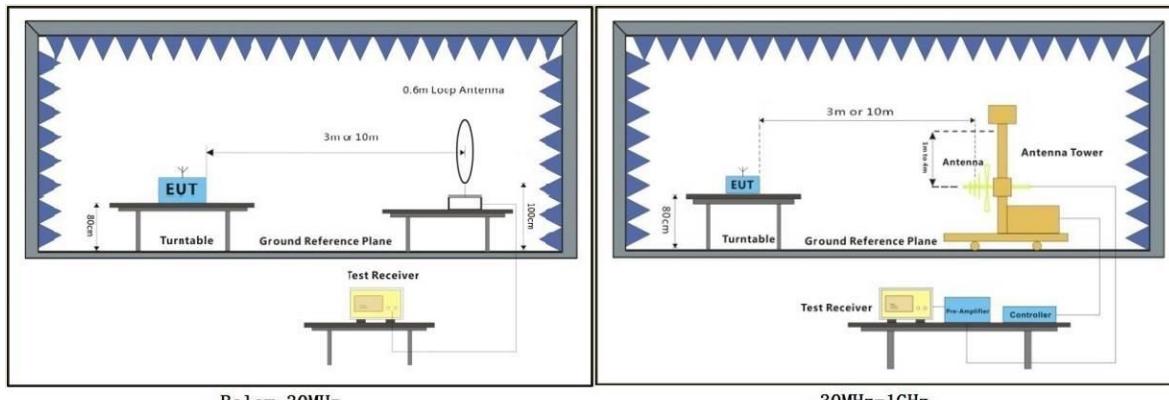
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		IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80), data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT160); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW80), data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW160), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Pre-scan	04	TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80), data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT160); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW80), data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW160), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Pre-scan	05	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW80), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.

6.1.3 Test Setup Diagram



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6.1.4 Measurement Procedure and Data

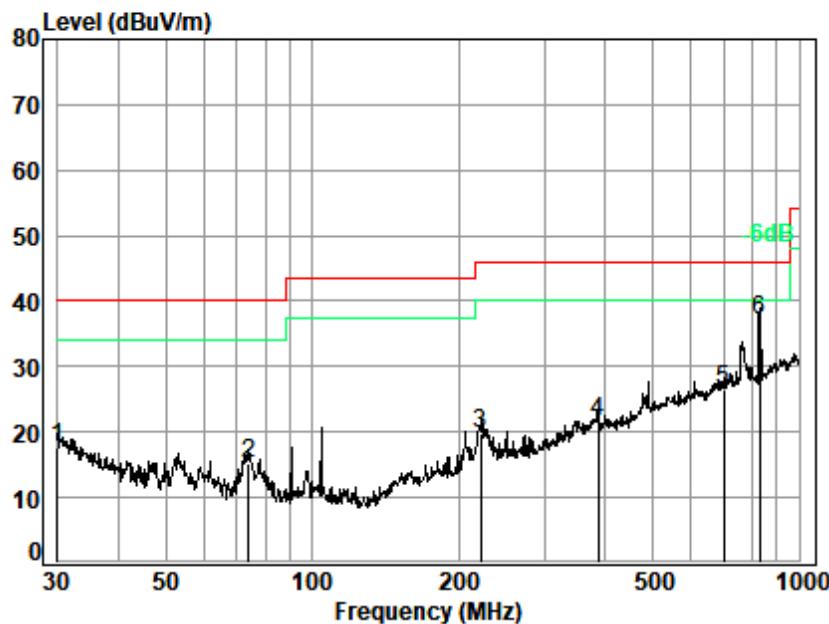
- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, 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.
4. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.



Test Mode: 02; Polarity: Horizontal



Site : chamber

Condition: 3m HORIZONTAL

Job No. : 01683TL/01684TL

Test Mode: 02

Freq	Ant Factor	Cable Loss	Preamp Factor	Read Level	Limit		Over Limit	Remark
					dBuV	dBuV/m		
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	30.000	21.20	0.67	27.79	23.54	17.62	40.00	-22.38 QP
2	74.135	10.39	1.05	27.66	31.42	15.20	40.00	-24.80 QP
3	221.392	15.31	1.87	27.08	29.79	19.89	46.00	-26.11 QP
4	386.634	20.85	2.54	27.10	25.28	21.57	46.00	-24.43 QP
5	699.305	25.93	3.54	27.73	24.67	26.41	46.00	-19.59 QP
6 q	830.400	26.50	3.94	27.26	33.81	36.99	46.00	-9.01 QP

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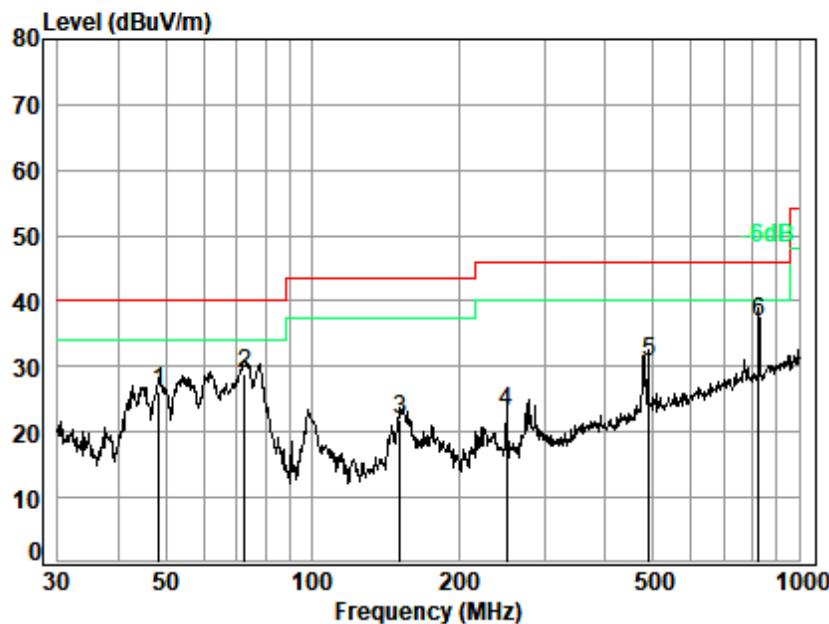
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Test Mode: 02; Polarity: Vertical



Site : chamber

Condition: 3m VERTICAL

Job No. : 01683TL/01684TL

Test Mode: 02

Freq	Ant Factor	Cable Loss	Preamp Factor	Read Level	Limit		Over Limit	Remark	
					MHz	dB/m	dB	dBuV	dBuV/m
1	48.502	13.14	0.85	27.74	39.93	26.18	40.00	-13.82	QP
2	72.592	10.45	1.04	27.67	45.12	28.94	40.00	-11.06	QP
3	151.597	13.23	1.54	27.37	34.37	21.77	43.50	-21.73	QP
4	250.301	17.24	2.00	26.96	30.72	23.00	46.00	-23.00	QP
5	490.745	22.84	2.89	27.53	32.38	30.58	46.00	-15.42	QP
6 q	824.597	26.59	3.93	27.30	33.73	36.95	46.00	-9.05	QP

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6.2 Radiated Emissions (Above 1GHz)

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

Test Method: ANSI C63.10 (2020) Section 6.6

Measurement Distance: 3m

Limit:

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

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

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

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

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

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

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

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6.2.1 E.U.T. Operation

Operating Environment:

Temperature: 23.1 °C Humidity: 52.8 % RH Atmospheric Pressure: 1020 mbar

6.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80),data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW80), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report
Final test	03	TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80), data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT160); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW80), data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW160), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80), data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT160); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW80), data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW160), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.

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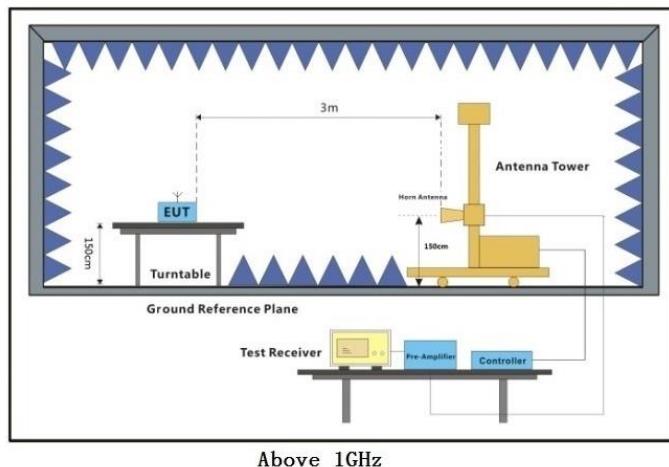
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Final test	05	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW80), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
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6.2.3 Test Setup Diagram



6.2.4 Measurement Procedure and Data



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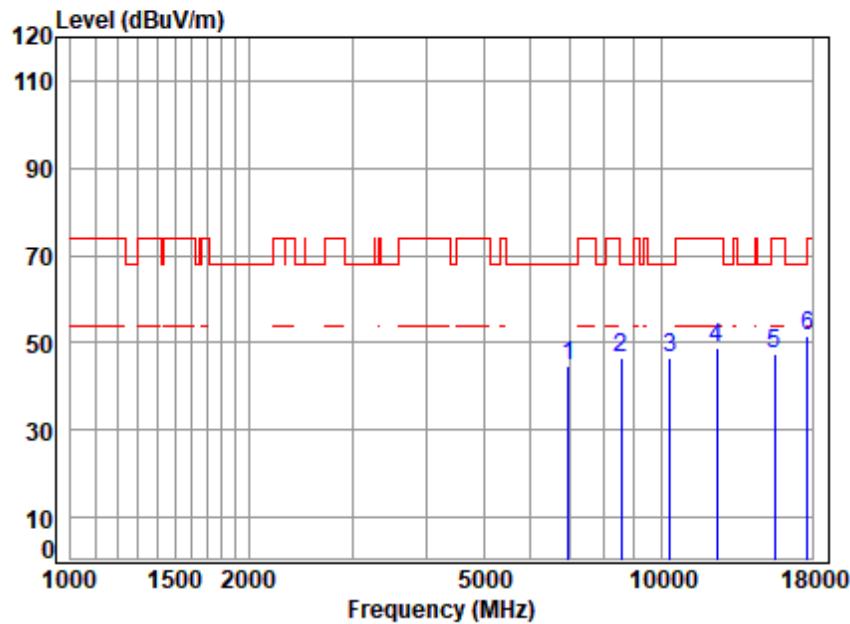
- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which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

Remark:

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



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



Condition: 3m HORIZONTAL
Job No : 01683TL/01684TL
Mode : 5180 TX RSE
: 5G Wi-Fi 11a

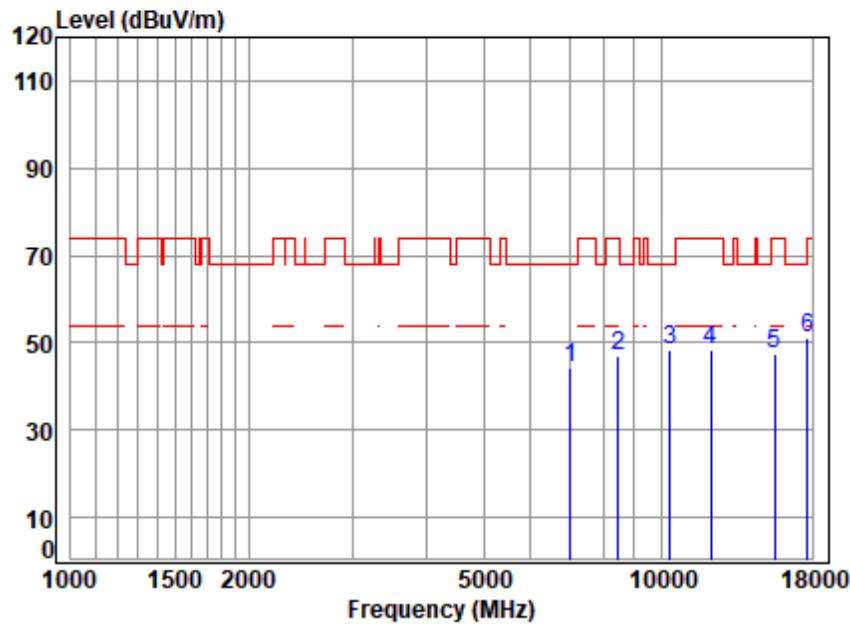
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6954.852	11.37	36.11	56.71	54.03	44.80	68.20 -23.40 Peak
2	8539.102	12.17	38.30	55.41	51.48	46.54	68.20 -21.66 Peak
3	10360.000	13.60	39.00	53.88	48.04	46.76	68.20 -21.44 peak
4	12397.740	15.32	39.90	54.08	47.89	49.03	74.00 -24.97 Peak
5	15540.000	17.00	38.56	54.14	45.91	47.33	74.00 -26.67 peak
6	pp17690.530	19.16	41.66	54.44	44.97	51.35	68.20 -16.85 Peak

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



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5180 TX RSE

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	7015.420	11.47	36.23	56.69	53.14	44.15	68.20 -24.05 Peak
2	8465.379	12.07	38.37	55.48	51.87	46.83	74.00 -27.17 Peak
3	10360.000	13.60	39.00	53.88	49.46	48.18	68.20 -20.02 peak
4	12149.420	14.62	39.80	53.90	47.76	48.28	74.00 -25.72 Peak
5	15540.000	17.00	38.56	54.14	46.24	47.66	74.00 -26.34 peak
6	pp17690.530	19.16	41.66	54.44	44.78	51.16	68.20 -17.04 Peak

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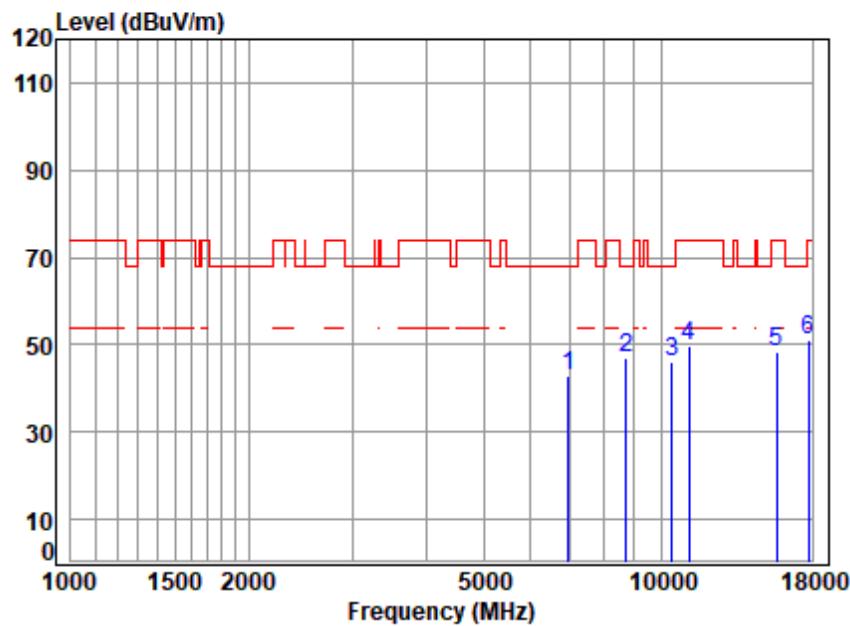
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL
Job No : 01683TL/01684TL
Mode : 5220 TX RSE
: 5G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6954.852	11.37	36.11	56.71	52.28	43.05	68.20 -25.15 peak
2 pp	8713.630	12.11	38.57	55.26	51.48	46.90	68.20 -21.30 Peak
3	10440.000	13.63	39.04	53.84	47.28	46.11	68.20 -22.09 peak
4	11140.310	14.70	39.54	53.54	49.11	49.81	74.00 -24.19 peak
5	15660.000	17.23	38.56	54.10	46.86	48.55	74.00 -25.45 peak
6	17741.740	18.87	42.09	54.45	44.49	51.00	74.00 -23.00 peak

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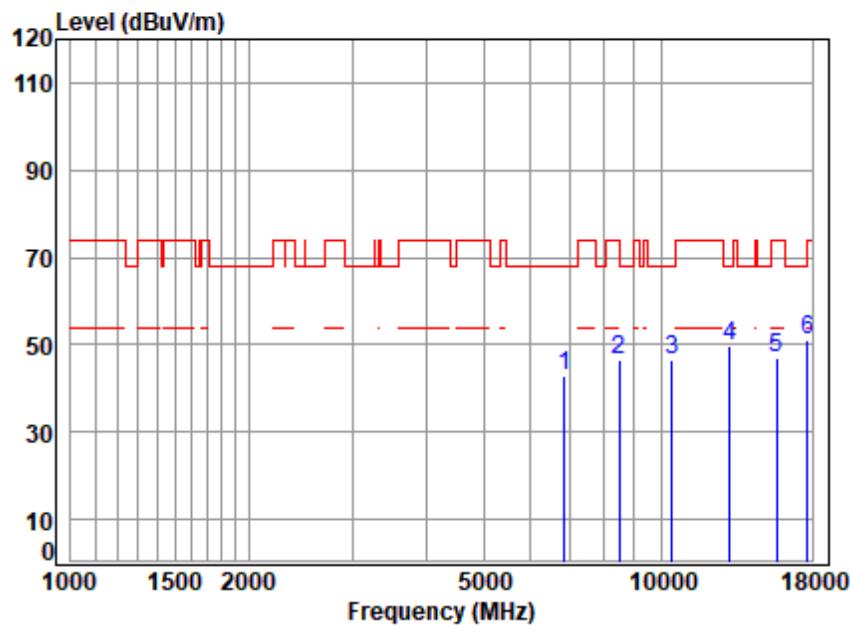
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Test Mode: 02; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5220 TX RSE

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6855.063	11.37	36.02	56.73	52.37	43.03	68.20 -25.17 peak
2	8489.882	12.24	38.32	55.46	51.64	46.74	74.00 -27.26 Peak
3	10440.000	13.63	39.04	53.84	47.90	46.73	68.20 -21.47 peak
4	13059.820	15.70	40.30	54.49	48.09	49.60	68.20 -18.60 peak
5	15660.000	17.23	38.56	54.10	45.20	46.89	74.00 -27.11 peak
6	pp17690.530	19.16	41.66	54.44	44.90	51.28	68.20 -16.92 peak

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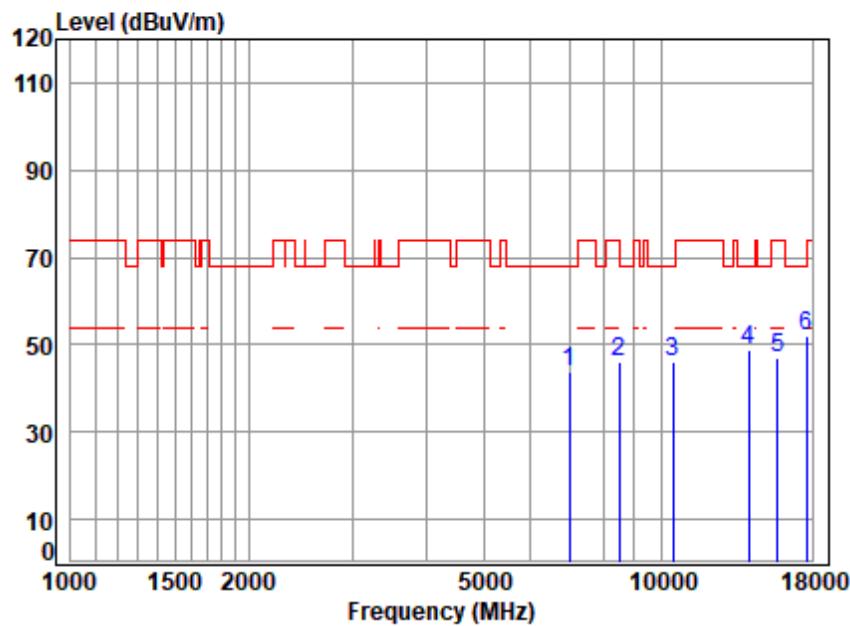
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



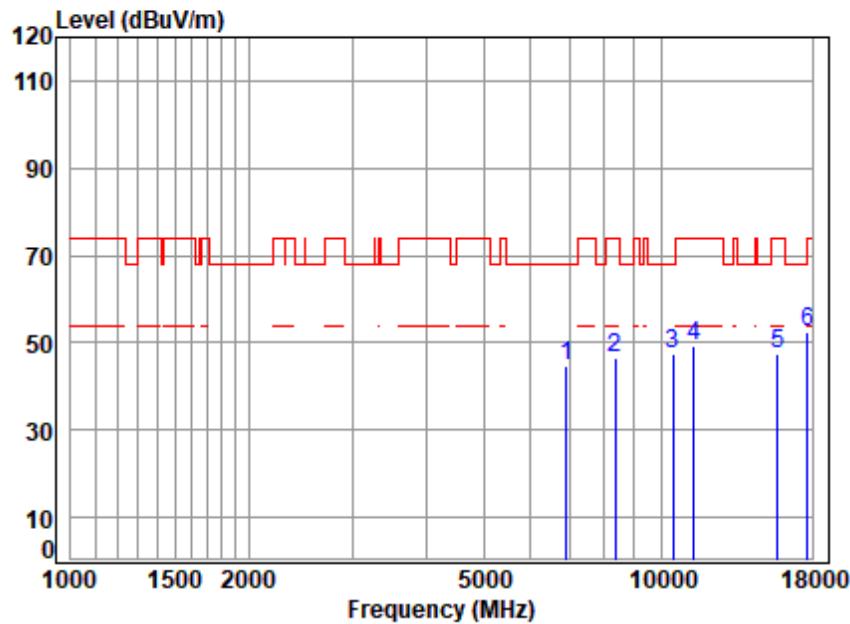
Condition: 3m HORIZONTAL
Job No : 01683TL/01684TL
Mode : 5240 TX RSE
: 5G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6995.172	11.37	36.19	56.70	53.10	43.96	68.20 -24.24 peak
2	8489.882	12.24	38.32	55.46	51.19	46.29	74.00 -27.71 Peak
3	10480.000	13.64	39.08	53.81	47.11	46.02	68.20 -22.18 peak
4	14079.080	16.56	39.90	54.39	46.93	49.00	68.20 -19.20 Peak
5	15720.000	17.22	38.58	54.08	45.46	47.18	74.00 -26.82 peak
6	pp17639.470	19.52	40.89	54.43	45.82	51.80	68.20 -16.40 peak

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



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5240 TX RSE

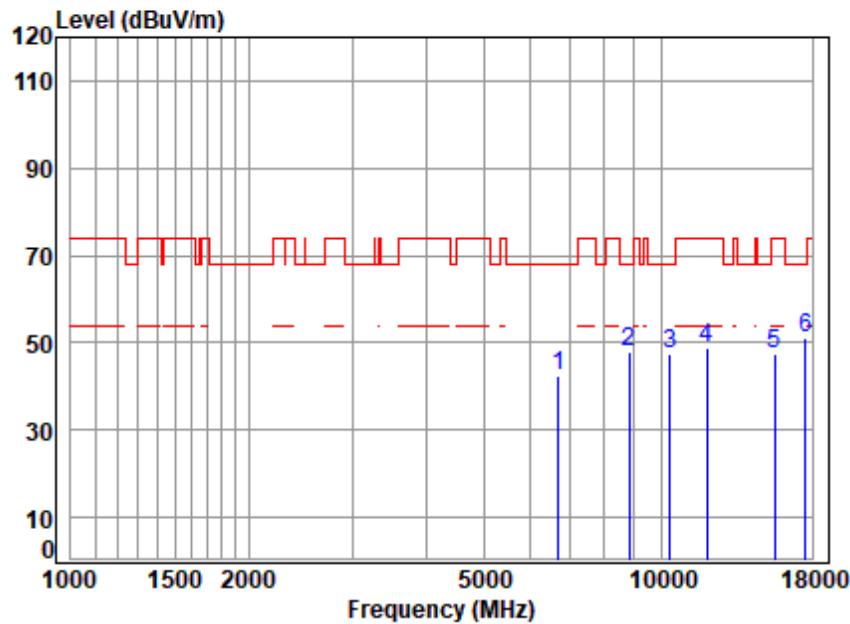
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6914.763	11.37	36.17	56.72	53.97	44.79	68.20 -23.41 peak
2	8343.918	11.70	38.60	55.59	51.76	46.47	74.00 -27.53 Peak
3	10480.000	13.64	39.08	53.81	48.40	47.31	68.20 -20.89 peak
4	11368.000	14.35	39.70	53.61	48.80	49.24	74.00 -24.76 peak
5	15720.000	17.22	38.58	54.08	45.73	47.45	74.00 -26.55 peak
6	pp17690.530	19.16	41.66	54.44	46.03	52.41	68.20 -15.79 peak

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



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5180 TX RSE

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	6698.373	11.41	35.40	56.76	52.23	42.28	68.20	-25.92 Peak
2	8814.957	12.25	38.50	55.17	52.24	47.82	68.20	-20.38 Peak
3	10360.000	13.60	39.00	53.88	48.89	47.61	68.20	-20.59 peak
4	11940.540	14.77	39.74	53.78	47.97	48.70	74.00	-25.30 Peak
5	15540.000	17.00	38.56	54.14	46.12	47.54	74.00	-26.46 peak
6	pp17537.800	18.94	40.67	54.41	45.75	50.95	68.20	-17.25 Peak

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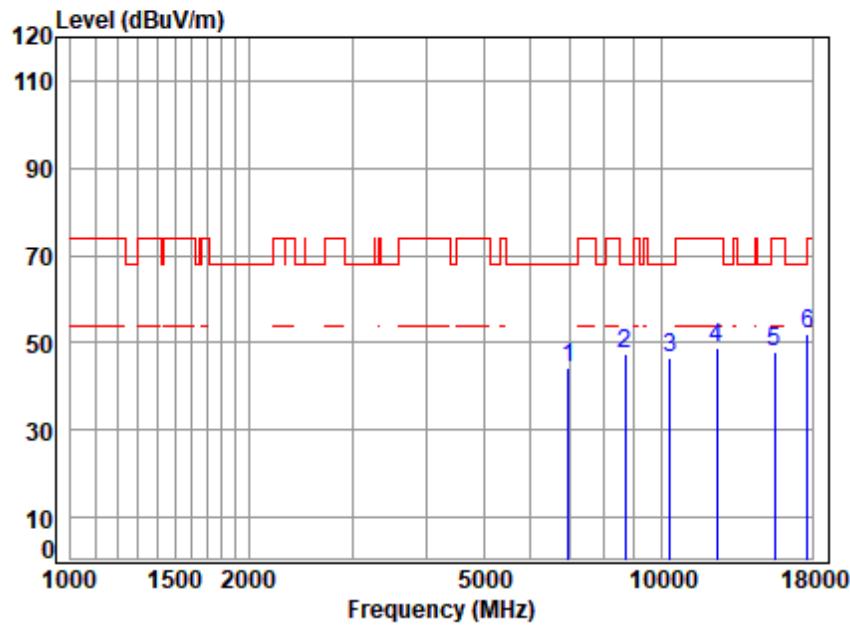
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5180 TX RSE

: 5G Wi-Fi 11ax20

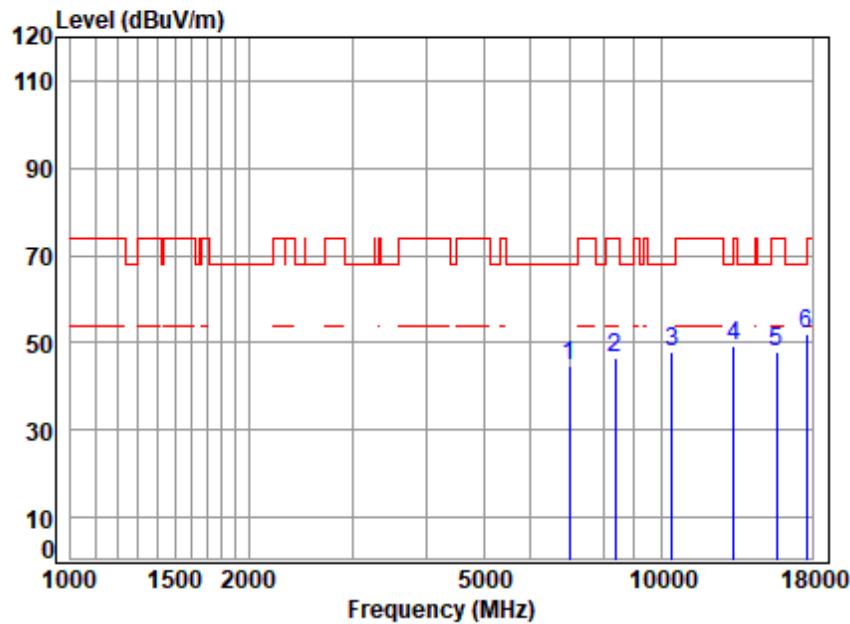
Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	MHz	Loss	Factor	Level	Level	Line	Limit	
1	6954.852	11.37	36.11	56.71	53.48	44.25	68.20	-23.95 Peak
2	8688.480	12.08	38.55	55.28	52.16	47.51	68.20	-20.69 Peak
3	10360.000	13.60	39.00	53.88	47.97	46.69	68.20	-21.51 peak
4	12433.620	15.38	39.90	54.10	47.72	48.90	74.00	-25.10 Peak
5	15540.000	17.00	38.56	54.14	46.68	48.10	74.00	-25.90 peak
6	pp17690.530	19.16	41.66	54.44	45.52	51.90	68.20	-16.30 Peak

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



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5220 TX RSE

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	6995.172	11.37	36.19	56.70	53.76	44.62	68.20	-23.58 peak
2	8368.069	11.67	38.66	55.57	51.71	46.47	74.00	-27.53 Peak
3	10440.000	13.63	39.04	53.84	49.06	47.89	68.20	-20.31 peak
4	13288.280	16.44	40.29	54.47	47.03	49.29	74.00	-24.71 peak
5	15660.000	17.23	38.56	54.10	46.17	47.86	74.00	-26.14 peak
6	pp17588.560	19.64	40.37	54.42	46.57	52.16	68.20	-16.04 peak

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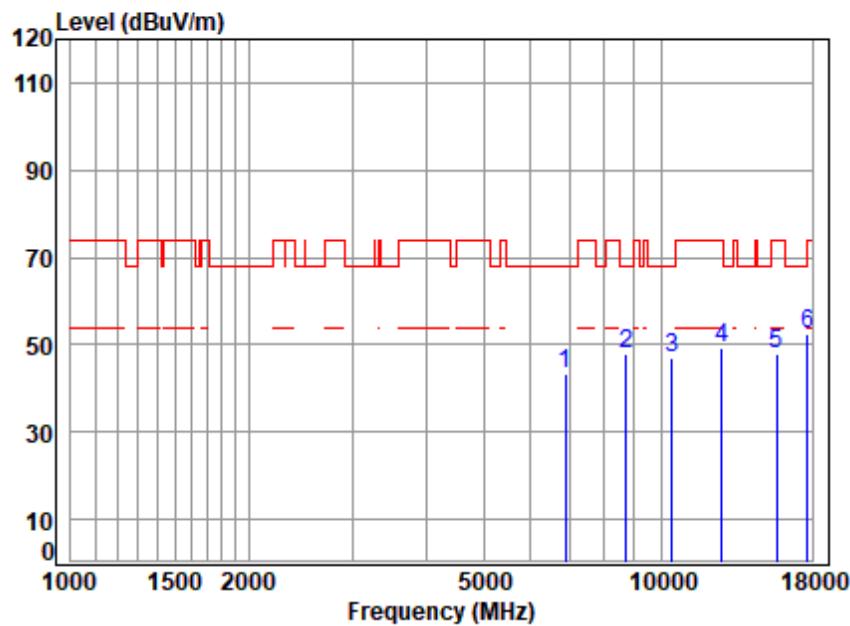
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5220 TX RSE

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	6874.906	11.37	36.10	56.73	52.63	43.37	68.20	-24.83 peak
2	8713.630	12.11	38.57	55.26	52.32	47.74	68.20	-20.46 Peak
3	10440.000	13.63	39.04	53.84	48.10	46.93	68.20	-21.27 peak
4	12651.130	15.23	40.15	54.26	48.22	49.34	74.00	-24.66 peak
5	15660.000	17.23	38.56	54.10	46.06	47.75	74.00	-26.25 peak
6	pp17690.530	19.16	41.66	54.44	45.91	52.29	68.20	-15.91 peak

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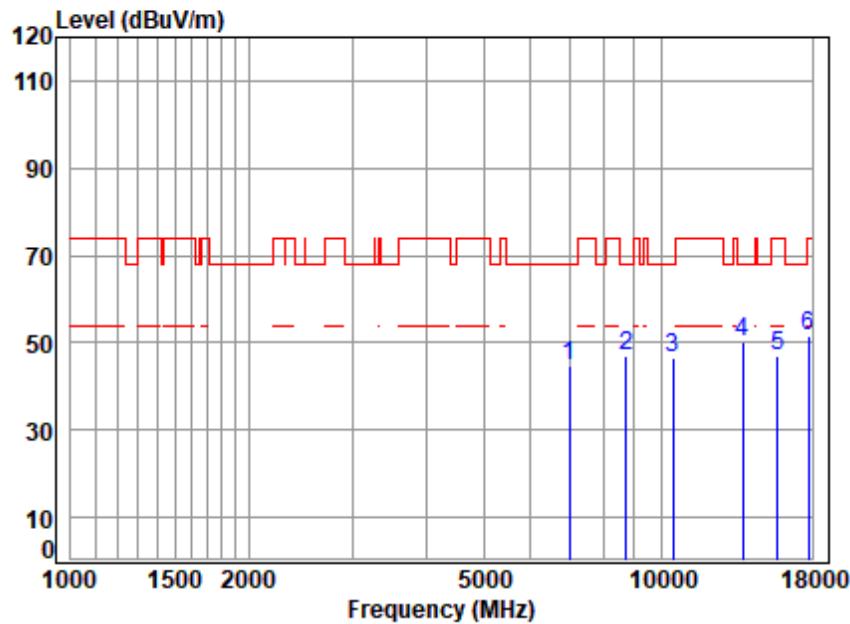
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 01683TL/01684TL
Mode : 5240 TX RSE
: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6995.172	11.37	36.19	56.70	53.77	44.63	68.20 -23.57 peak
2	8713.630	12.11	38.57	55.26	51.64	47.06	68.20 -21.14 Peak
3	10480.000	13.64	39.08	53.81	47.77	46.68	68.20 -21.52 peak
4	pp13717.560	16.33	39.98	54.43	48.09	49.97	68.20 -18.23 peak
5	15720.000	17.22	38.58	54.08	45.42	47.14	74.00 -26.86 peak
6	17741.740	18.87	42.09	54.45	45.24	51.75	74.00 -22.25 peak

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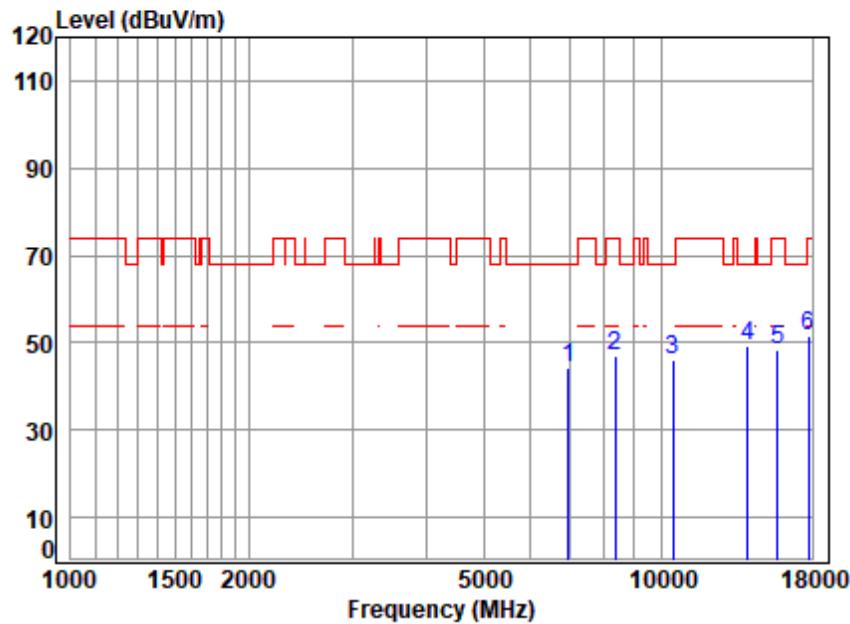
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5240 TX RSE

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	6954.852	11.37	36.11	56.71	53.47	44.24	68.20	-23.96 peak
2	8368.069	11.67	38.66	55.57	52.41	47.17	74.00	-26.83 Peak
3	10480.000	13.64	39.08	53.81	47.31	46.22	68.20	-21.98 peak
4	pp13997.930	16.46	39.90	54.40	47.18	49.14	68.20	-19.06 peak
5	15720.000	17.22	38.58	54.08	46.59	48.31	74.00	-25.69 peak
6	17741.740	18.87	42.09	54.45	44.95	51.46	74.00	-22.54 peak

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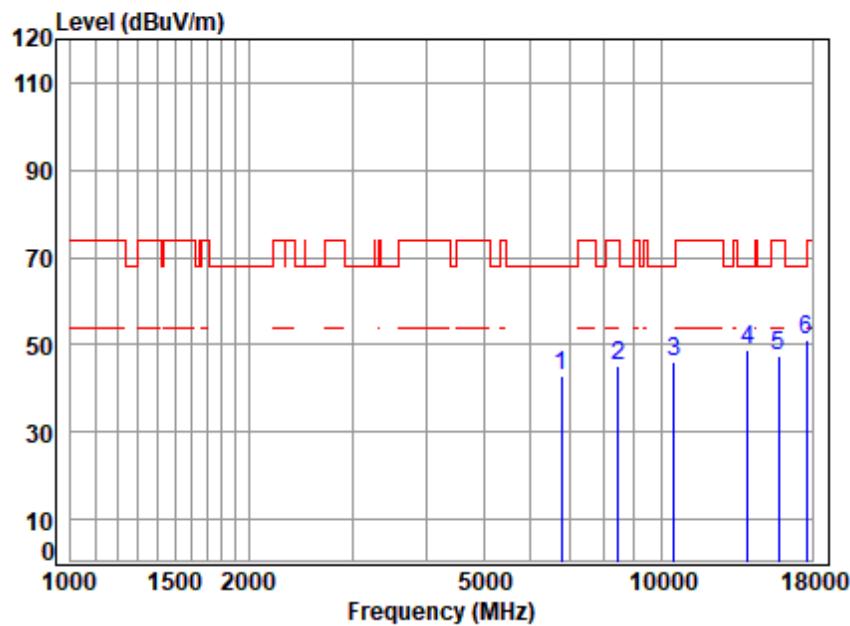
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 01683TL/01684TL
Mode : 5260 TX RSE
: 5G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6776.265	11.38	35.81	56.74	52.35	42.80	68.20 -25.40 peak
2	8440.945	11.91	38.44	55.50	50.49	45.34	74.00 -28.66 Peak
3	10520.000	13.63	39.14	53.79	47.30	46.28	68.20 -21.92 peak
4	13997.930	16.46	39.90	54.40	46.76	48.72	68.20 -19.48 peak
5	15780.000	17.08	38.52	54.07	45.86	47.39	74.00 -26.61 peak
6	pp17639.470	19.52	40.89	54.43	45.11	51.09	68.20 -17.11 peak

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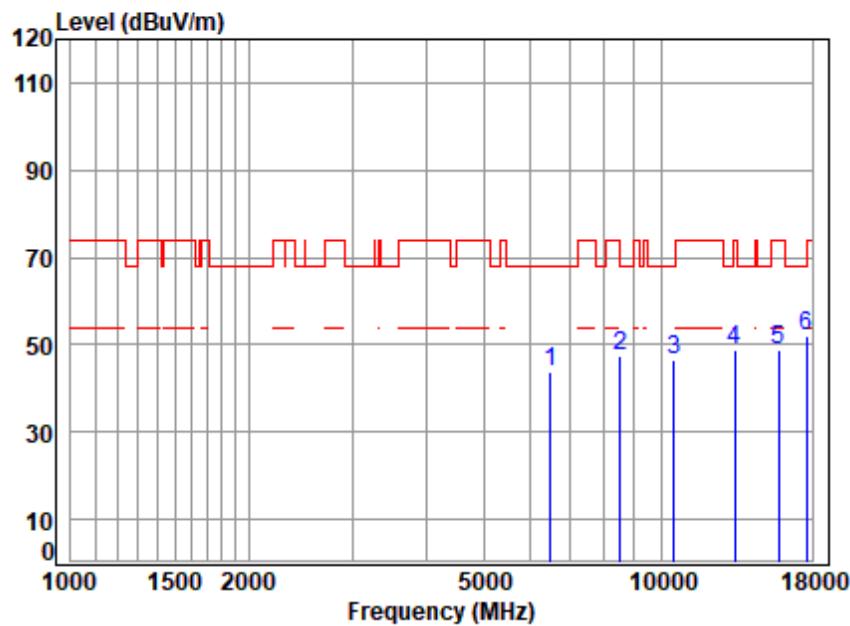
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Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5260 TX RSE

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6488.754	11.86	34.88	56.80	54.07	44.01	68.20 -24.19 peak
2	8514.456	12.26	38.30	55.44	52.39	47.51	68.20 -20.69 Peak
3	10520.000	13.63	39.14	53.79	47.77	46.75	68.20 -21.45 peak
4	13326.750	16.37	40.30	54.47	46.42	48.62	74.00 -25.38 Peak
5	15780.000	17.08	38.52	54.07	47.21	48.74	74.00 -25.26 peak
6	pp17639.470	19.52	40.89	54.43	45.98	51.96	68.20 -16.24 peak

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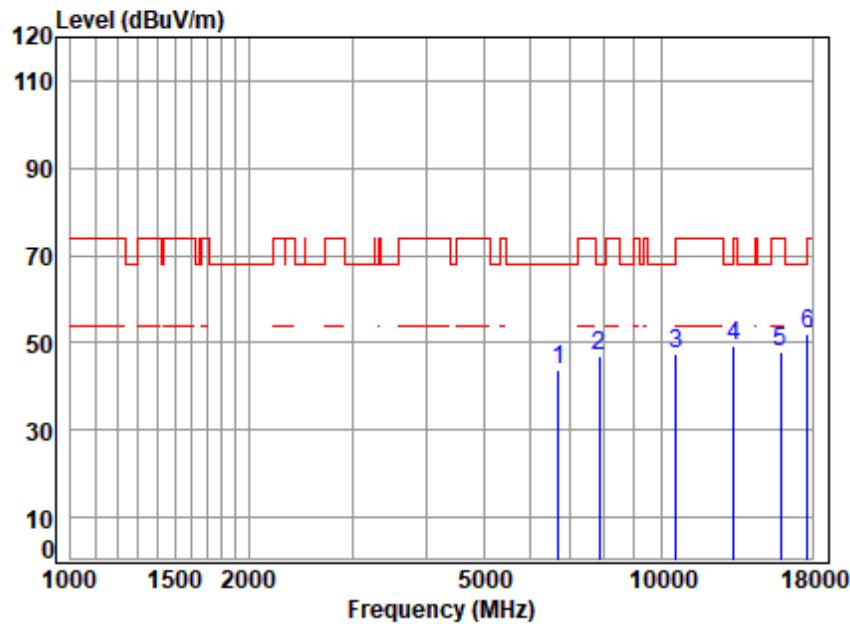
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL
Job No : 01683TL/01684TL
Mode : 5300 TX RSE
: 5G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6698.373	11.41	35.40	56.76	53.97	44.02	68.20 -24.18 peak
2	7852.524	11.43	37.41	56.02	54.12	46.94	68.20 -21.26 Peak
3	10600.000	13.59	39.30	53.74	48.21	47.36	68.20 -20.84 peak
4	13288.280	16.44	40.29	54.47	47.15	49.41	74.00 -24.59 peak
5	15900.000	17.28	38.70	54.03	45.99	47.94	74.00 -26.06 peak
6	pp17690.530	19.16	41.66	54.44	45.80	52.18	68.20 -16.02 peak

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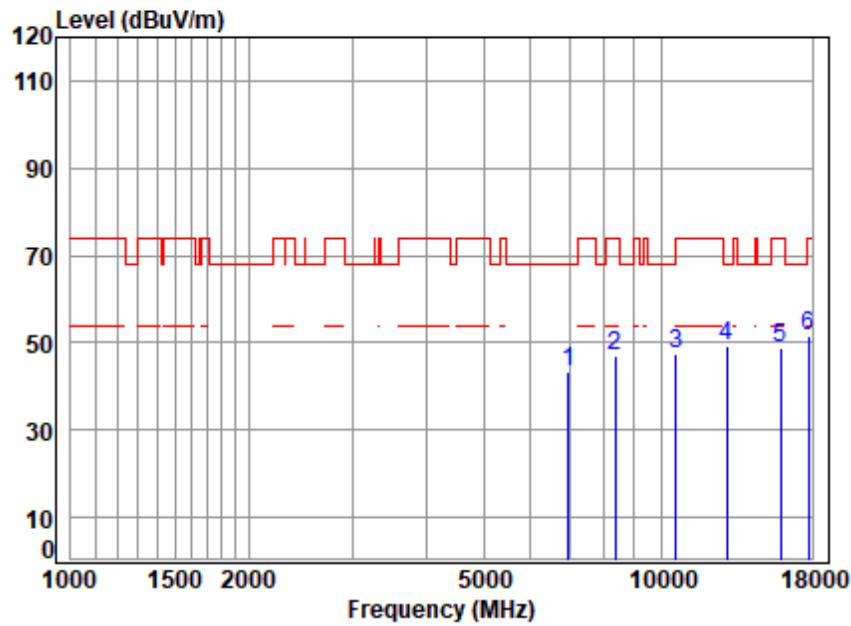
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Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5300 TX RSE

: 5G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6954.852	11.37	36.11	56.71	52.71	43.48	68.20 -24.72 peak
2	8343.918	11.70	38.60	55.59	52.51	47.22	74.00 -26.78 Peak
3	10600.000	13.59	39.30	53.74	48.12	47.27	68.20 -20.93 peak
4	pp12909.700	15.81	40.39	54.44	47.46	49.22	68.20 -18.98 Peak
5	15900.000	17.28	38.70	54.03	46.66	48.61	74.00 -25.39 peak
6	17741.740	18.87	42.09	54.45	45.12	51.63	74.00 -22.37 peak

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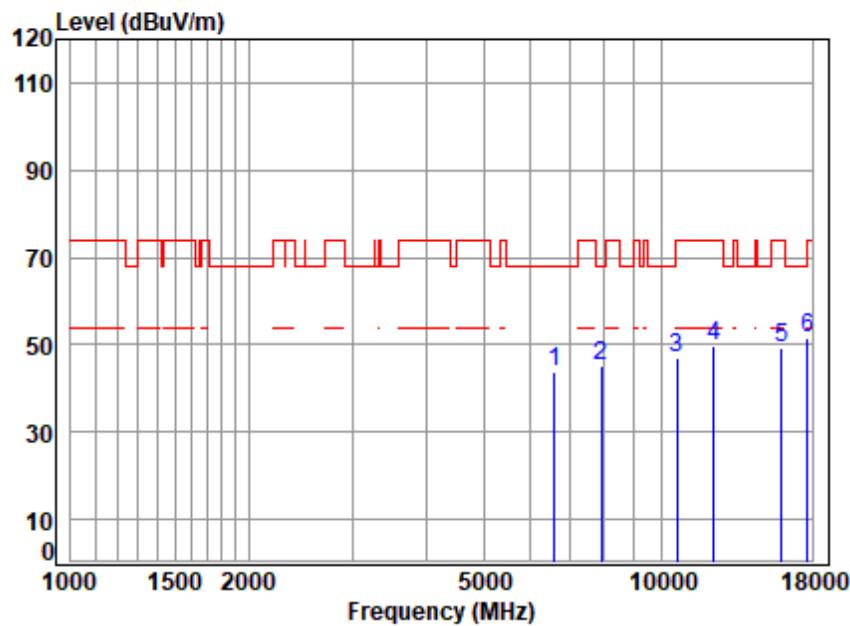
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 01683TL/01684TL
Mode : 5320 TX RSE
: 5G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6602.265	11.60	35.21	56.78	53.94	43.97	68.20 -24.23 peak
2	7920.911	11.54	37.64	55.96	52.13	45.35	68.20 -22.85 Peak
3	10640.000	13.77	39.34	53.72	47.65	47.04	74.00 -26.96 peak
4	12255.220	14.69	39.84	53.98	49.07	49.62	74.00 -24.38 peak
5	15960.000	17.20	38.64	54.01	47.55	49.38	74.00 -24.62 peak
6	pp17690.530	19.16	41.66	54.44	45.40	51.78	68.20 -16.42 peak

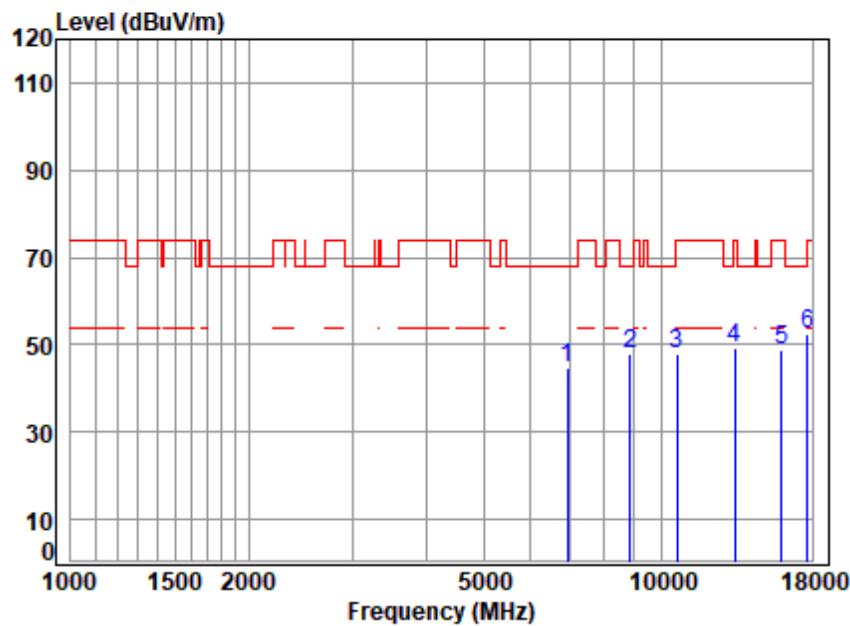
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Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5320 TX RSE

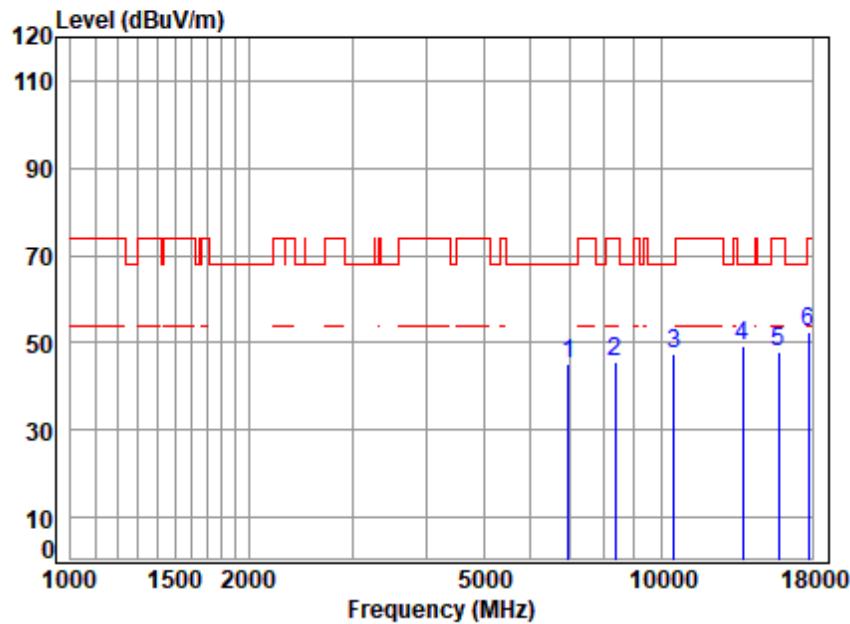
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6934.778	11.37	36.13	56.71	53.85	44.64	68.20 -23.56 peak
2	8866.062	12.23	38.53	55.12	52.41	48.05	68.20 -20.15 Peak
3	10640.000	13.77	39.34	53.72	48.41	47.80	74.00 -26.20 peak
4	13326.750	16.37	40.30	54.47	47.04	49.24	74.00 -24.76 Peak
5	15960.000	17.20	38.64	54.01	46.94	48.77	74.00 -25.23 peak
6	pp17690.530	19.16	41.66	54.44	46.12	52.50	68.20 -15.70 peak

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



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5260 TX RSE

: 5G Wi-Fi 11ax20

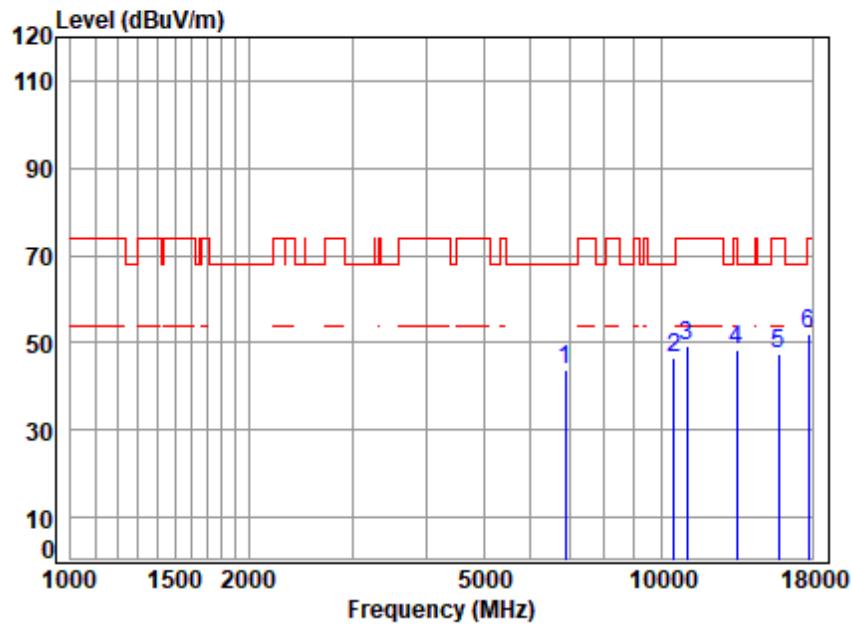
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 6954.852	11.37	36.11	56.71	54.30	45.07	68.20	-23.13 peak
2 8368.069	11.67	38.66	55.57	50.98	45.74	74.00	-28.26 Peak
3 10520.000	13.63	39.14	53.79	48.25	47.23	68.20	-20.97 peak
4 pp13717.560	16.33	39.98	54.43	47.51	49.39	68.20	-18.81 peak
5 15780.000	17.08	38.52	54.07	46.31	47.84	74.00	-26.16 peak
6 17741.740	18.87	42.09	54.45	45.74	52.25	74.00	-21.75 peak

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



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5260 TX RSE

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	6874.906	11.37	36.10	56.73	53.27	44.01	68.20	-24.19 peak
2	10520.000	13.63	39.14	53.79	47.53	46.51	68.20	-21.69 peak
3	11044.130	14.39	39.44	53.51	48.78	49.10	74.00	-24.90 peak
4	pp13404.010	15.91	40.29	54.46	46.70	48.44	68.20	-19.76 Peak
5	15780.000	17.08	38.52	54.07	46.13	47.66	74.00	-26.34 peak
6	17741.740	18.87	42.09	54.45	45.40	51.91	74.00	-22.09 peak

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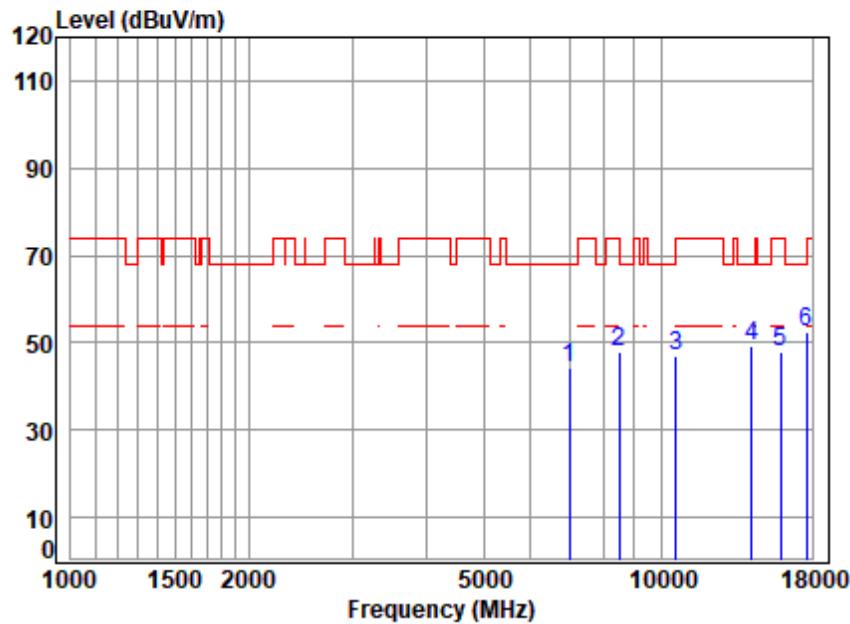
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5300 TX RSE

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6974.982	11.37	36.15	56.71	53.22	44.03	68.20 -24.17 peak
2	8489.882	12.24	38.32	55.46	53.01	48.11	74.00 -25.89 Peak
3	10600.000	13.59	39.30	53.74	47.67	46.82	68.20 -21.38 peak
4	14242.800	16.12	39.80	54.38	47.67	49.21	68.20 -18.99 Peak
5	15900.000	17.28	38.70	54.03	46.09	48.04	74.00 -25.96 peak
6	pp17639.470	19.52	40.89	54.43	46.48	52.46	68.20 -15.74 peak

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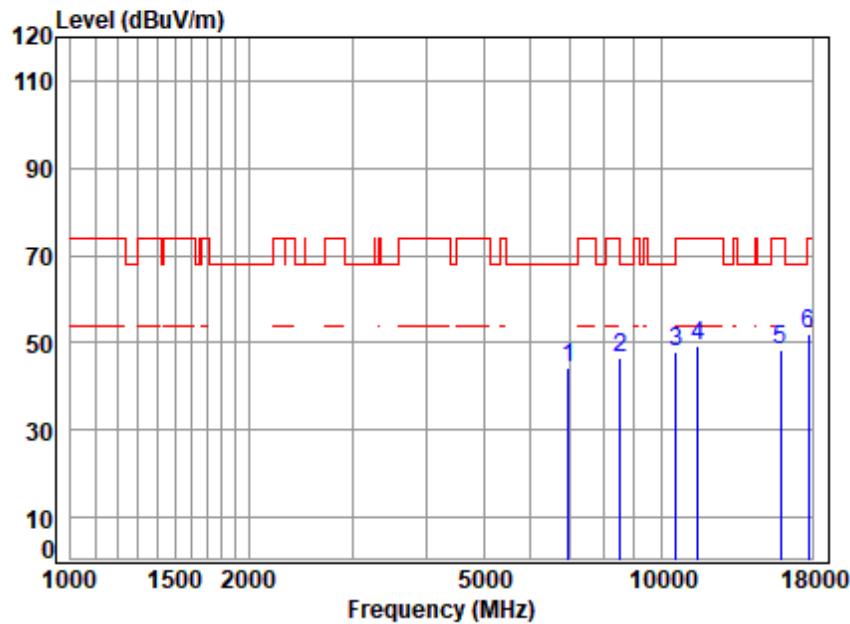
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5300 TX RSE

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	Line	
1	6954.852	11.37	36.11	56.71	53.47	44.24	68.20	-23.96 peak
2	8514.456	12.26	38.30	55.44	51.62	46.74	68.20	-21.46 Peak
3	pp10600.000	13.59	39.30	53.74	48.61	47.76	68.20	-20.44 peak
4	11533.480	14.92	39.60	53.66	48.34	49.20	74.00	-24.80 peak
5	15900.000	17.28	38.70	54.03	46.23	48.18	74.00	-25.82 peak
6	17741.740	18.87	42.09	54.45	45.58	52.09	74.00	-21.91 peak

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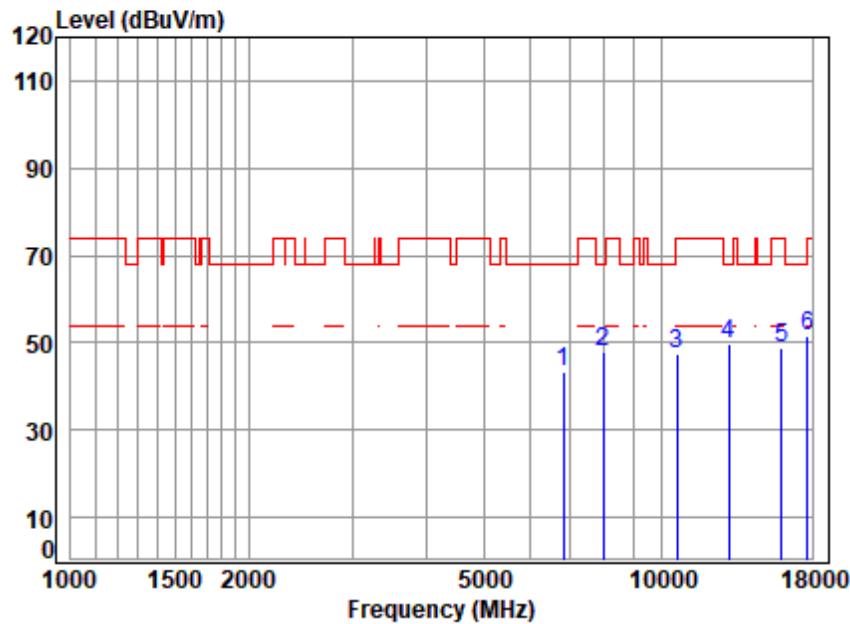
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755)8307 1443, or email: CN_Doccheck@sgs.com

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



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5320 TX RSE

: 5G Wi-Fi 11ax20

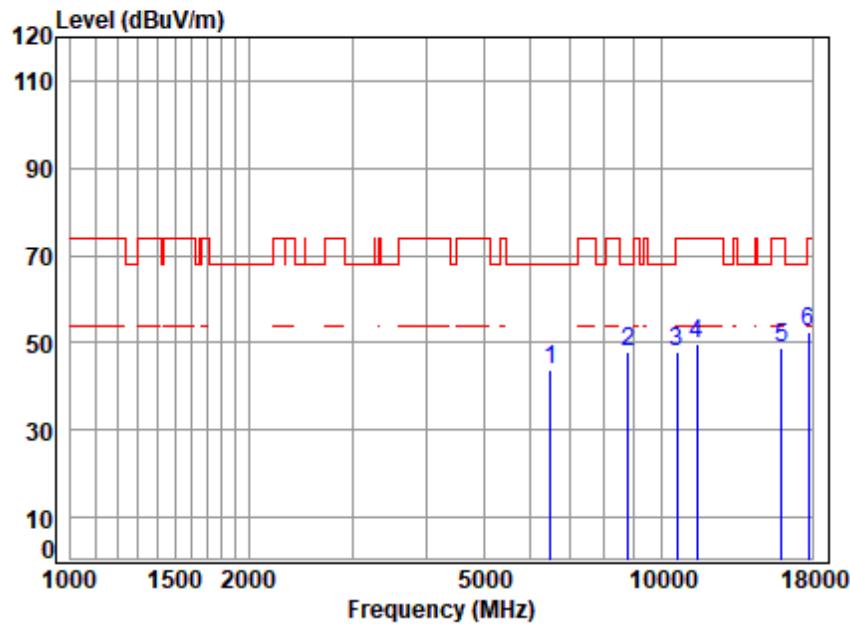
Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	Line	
1	6815.551	11.37	35.93	56.74	52.89	43.45	68.20	-24.75 peak
2	7989.893	11.56	37.78	55.91	54.34	47.77	68.20	-20.43 Peak
3	10640.000	13.77	39.34	53.72	47.87	47.26	74.00	-26.74 peak
4	12984.540	15.88	40.32	54.49	48.23	49.94	68.20	-18.26 peak
5	15960.000	17.20	38.64	54.01	47.17	49.00	74.00	-25.00 peak
6	pp17690.530	19.16	41.66	54.44	45.26	51.64	68.20	-16.56 peak

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



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5320 TX RSE

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	6488.754	11.86	34.88	56.80	53.98	43.92	68.20	-24.28 peak
2 pp	8789.516	12.23	38.50	55.19	52.58	48.12	68.20	-20.08 Peak
3	10640.000	13.77	39.34	53.72	48.31	47.70	74.00	-26.30 peak
4	11500.200	15.05	39.60	53.65	48.54	49.54	74.00	-24.46 peak
5	15960.000	17.20	38.64	54.01	46.95	48.78	74.00	-25.22 peak
6	17741.740	18.87	42.09	54.45	46.09	52.60	74.00	-21.40 peak

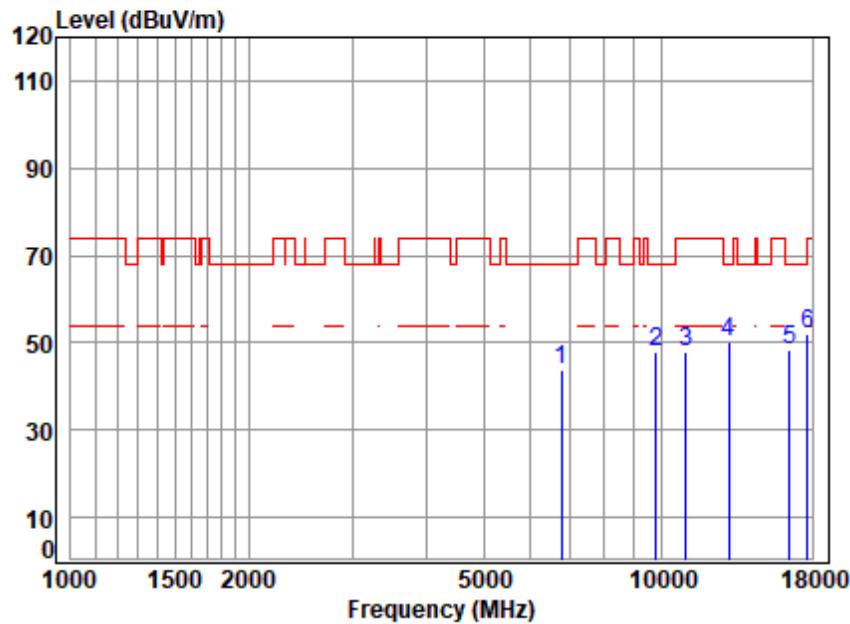
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 01683TL/01684TL
Mode : 5500 TX RSE
: 5G Wi-Fi 11a

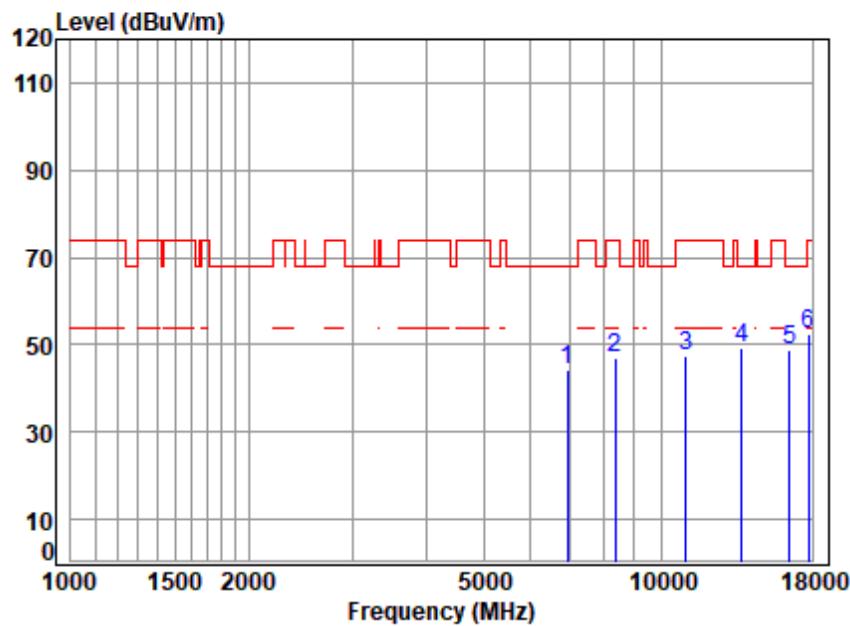
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6776.265	11.38	35.81	56.74	53.40	43.85	68.20 -24.35 peak
2	9781.603	13.02	38.60	54.30	50.48	47.80	68.20 -20.40 Peak
3	11000.000	14.17	39.40	53.50	47.64	47.71	74.00 -26.29 peak
4	13022.130	15.82	40.30	54.50	48.52	50.14	68.20 -18.06 peak
5	16500.000	17.74	38.90	54.15	45.91	48.40	68.20 -19.80 peak
6	pp17690.530	19.16	41.66	54.44	45.55	51.93	68.20 -16.27 peak

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Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5500 TX RSE

: 5G Wi-Fi 11a

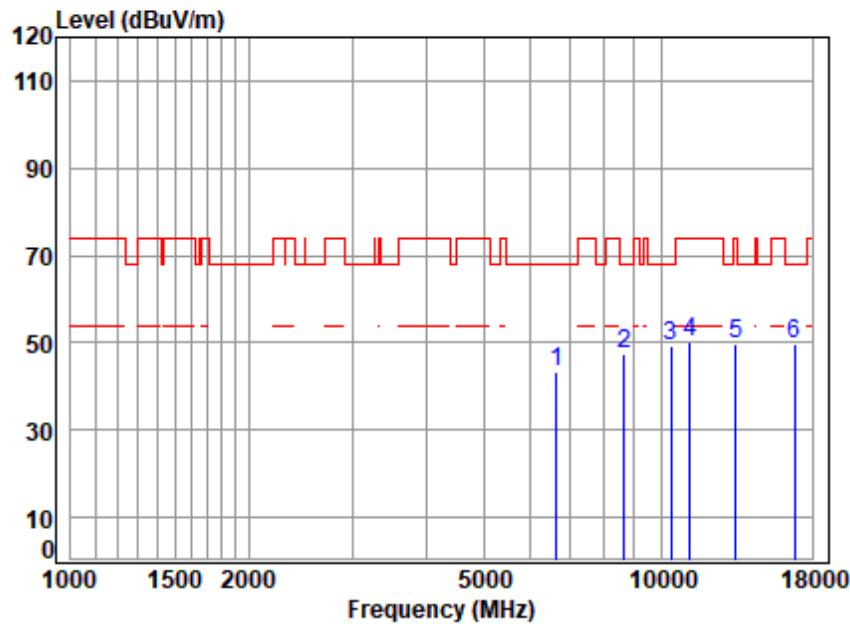
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level				
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	6934.778	11.37	36.13	56.71	53.36	44.15	68.20	-24.05 peak
2	8343.918	11.70	38.60	55.59	52.51	47.22	74.00	-26.78 Peak
3	11000.000	14.17	39.40	53.50	47.22	47.29	74.00	-26.71 peak
4	pp13677.970	16.27	40.00	54.43	47.57	49.41	68.20	-18.79 peak
5	16500.000	17.74	38.90	54.15	46.26	48.75	68.20	-19.45 peak
6	17741.740	18.87	42.09	54.45	45.96	52.47	74.00	-21.53 peak

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Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL
Job No : 01683TL/01684TL
Mode : 5600 TX RSE
: 5G Wi-Fi 11a

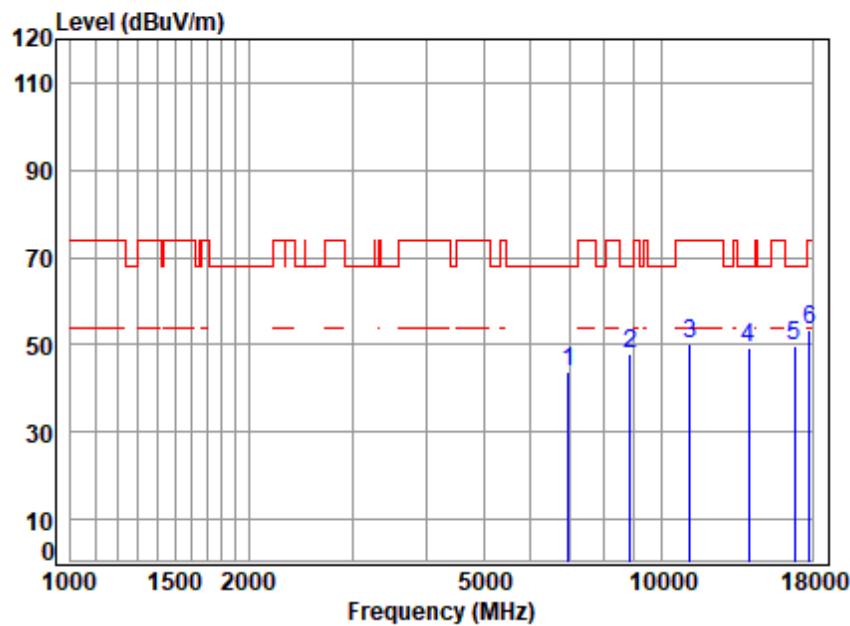
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6640.542	11.52	35.44	56.77	53.38	43.57	68.20 -24.63 Peak
2	8663.404	12.04	38.45	55.30	52.16	47.35	68.20 -20.85 peak
3	10393.710	13.62	39.00	53.86	50.37	49.13	68.20 -19.07 Peak
4	11200.000	14.76	39.60	53.56	49.38	50.18	74.00 -23.82 peak
5	13365.320	16.13	40.30	54.46	47.73	49.70	74.00 -24.30 Peak
6	pp16800.000	17.46	39.60	54.24	46.97	49.79	68.20 -18.41 peak

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Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5600 TX RSE

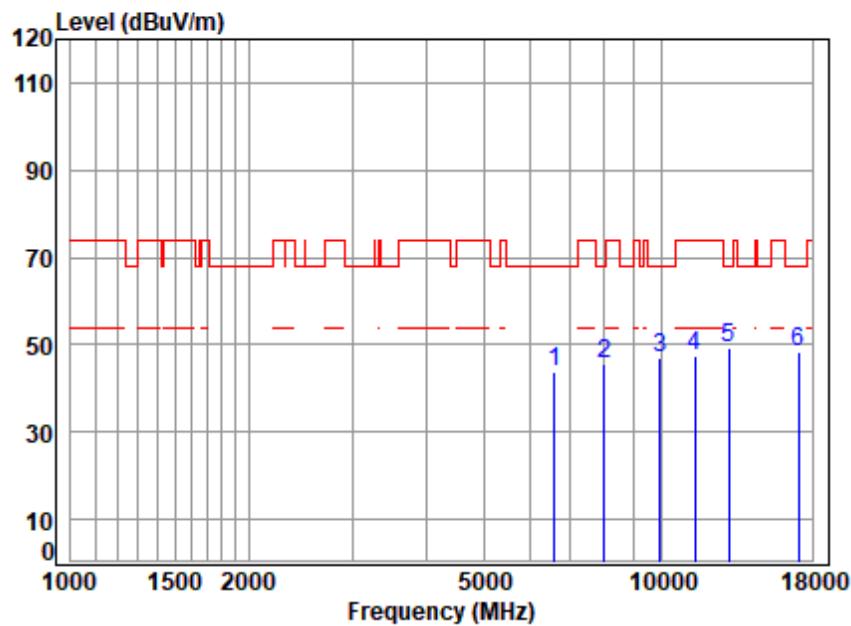
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6954.852	11.37	36.11	56.71	53.00	43.77	68.20 -24.43 Peak
2	8866.062	12.23	38.53	55.12	52.21	47.85	68.20 -20.35 peak
3	11200.000	14.76	39.60	53.56	49.58	50.38	74.00 -23.62 peak
4	14038.450	16.51	39.90	54.40	47.17	49.18	68.20 -19.02 Peak
5	pp16800.000	17.46	39.60	54.24	46.95	49.77	68.20 -18.43 peak
6	17844.590	18.62	42.77	54.47	46.41	53.33	74.00 -20.67 Peak



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Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 01683TL/01684TL
Mode : 5700 TX RSE
: 5G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6602.265	11.60	35.21	56.78	53.55	43.58	68.20 -24.62 peak
2	8013.020	11.55	37.80	55.89	52.30	45.76	68.20 -22.44 Peak
3	9952.717	12.91	38.90	54.14	49.34	47.01	68.20 -21.19 Peak
4	11400.000	14.21	39.70	53.62	47.06	47.35	74.00 -26.65 peak
5	pp13022.130	15.82	40.30	54.50	47.85	49.47	68.20 -18.73 peak
6	17100.000	18.47	39.80	54.32	44.39	48.34	68.20 -19.86 peak

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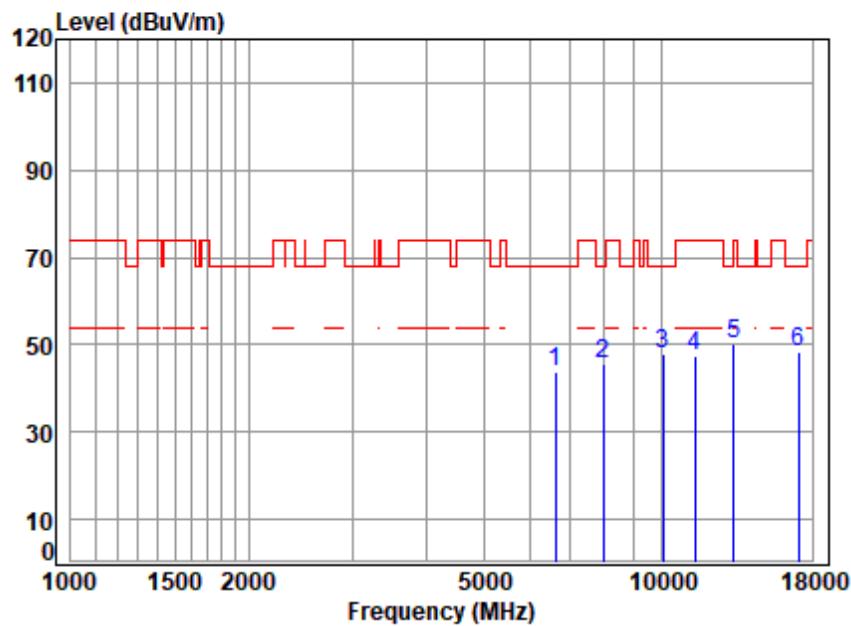
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Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5700 TX RSE

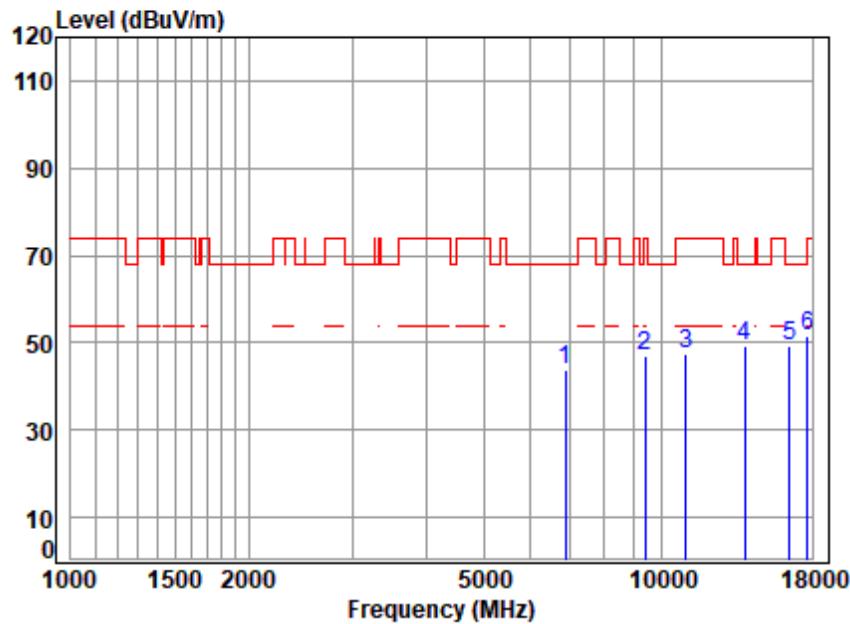
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6621.375	11.56	35.33	56.78	53.91	44.02	68.20 -24.18 peak
2	7989.893	11.56	37.78	55.91	52.26	45.69	68.20 -22.51 Peak
3	10068.450	13.19	39.04	54.06	49.59	47.76	68.20 -20.44 Peak
4	11400.000	14.21	39.70	53.62	47.25	47.54	74.00 -26.46 peak
5	pp13249.930	16.10	40.25	54.48	48.25	50.12	68.20 -18.08 peak
6	17100.000	18.47	39.80	54.32	44.63	48.58	68.20 -19.62 peak

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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 01683TL/01684TL
Mode : 5500 TX RSE
: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6874.906	11.37	36.10	56.73	52.97	43.71	68.20 -24.49 peak
2	9393.689	12.29	38.80	54.65	50.75	47.19	74.00 -26.81 Peak
3	11000.000	14.17	39.40	53.50	47.39	47.46	74.00 -26.54 peak
4	13837.020	15.95	39.90	54.42	47.88	49.31	68.20 -18.89 Peak
5	16500.000	17.74	38.90	54.15	46.66	49.15	68.20 -19.05 peak
6	pp17690.530	19.16	41.66	54.44	45.09	51.47	68.20 -16.73 peak

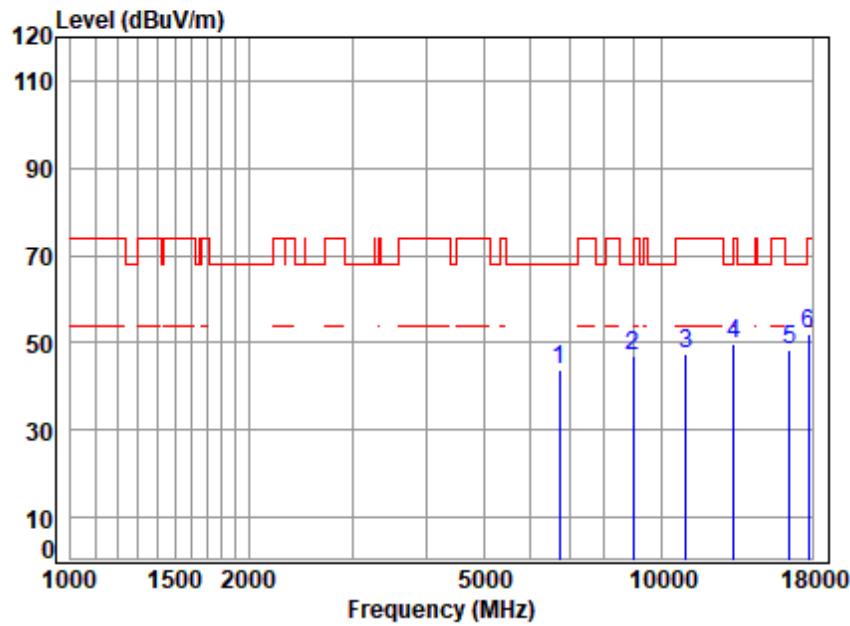
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5500 TX RSE

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	Line	
1	6717.762	11.40	35.51	56.76	53.74	43.89	68.20	-24.31 peak
2	8943.274	12.19	38.51	55.05	51.32	46.97	68.20	-21.23 Peak
3	11000.000	14.17	39.40	53.50	47.33	47.40	74.00	-26.60 peak
4	13288.280	16.44	40.29	54.47	47.31	49.57	74.00	-24.43 peak
5	pp16500.000	17.74	38.90	54.15	45.98	48.47	68.20	-19.73 peak
6	17741.740	18.87	42.09	54.45	45.50	52.01	74.00	-21.99 peak

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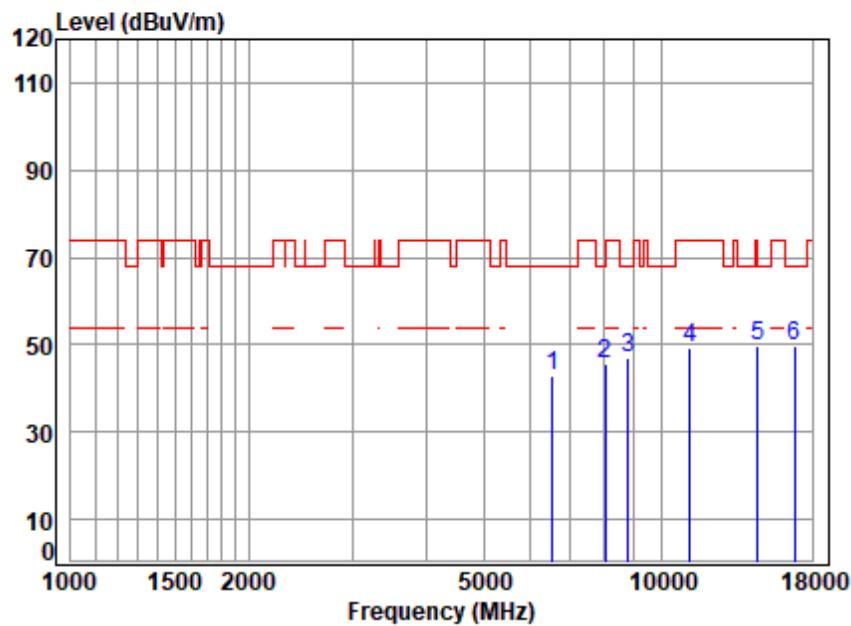
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5600 TX RSE

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	6545.263	11.64	34.99	56.79	53.19	43.03	68.20	-25.17 Peak
2	8036.214	11.52	37.80	55.87	52.10	45.55	74.00	-28.45 Peak
3	8789.516	12.23	38.50	55.19	51.39	46.93	68.20	-21.27 peak
4	11200.000	14.76	39.60	53.56	48.47	49.27	74.00	-24.73 peak
5	14533.910	16.79	39.43	54.35	47.81	49.68	68.20	-18.52 Peak
6	pp16800.000	17.46	39.60	54.24	47.09	49.91	68.20	-18.29 peak

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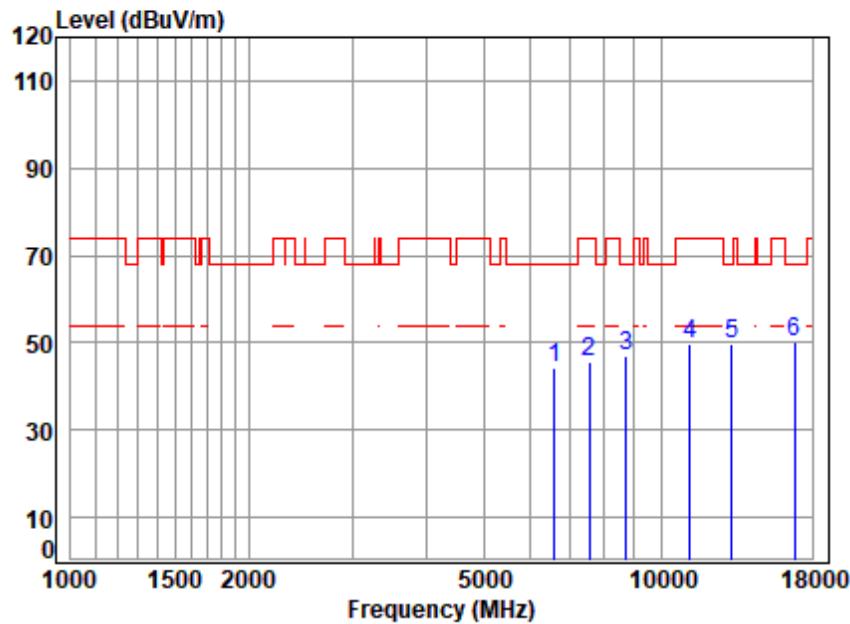
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5600 TX RSE

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	Line	
1	6583.209	11.61	35.13	56.78	54.34	44.30	68.20	-23.90 Peak
2	7541.114	11.17	36.80	56.27	53.98	45.68	74.00	-28.32 Peak
3	8713.630	12.11	38.57	55.26	51.63	47.05	68.20	-21.15 peak
4	11200.000	14.76	39.60	53.56	48.93	49.73	74.00	-24.27 peak
5	13173.560	15.64	40.23	54.48	48.52	49.91	68.20	-18.29 Peak
6	pp16800.000	17.46	39.60	54.24	47.33	50.15	68.20	-18.05 peak

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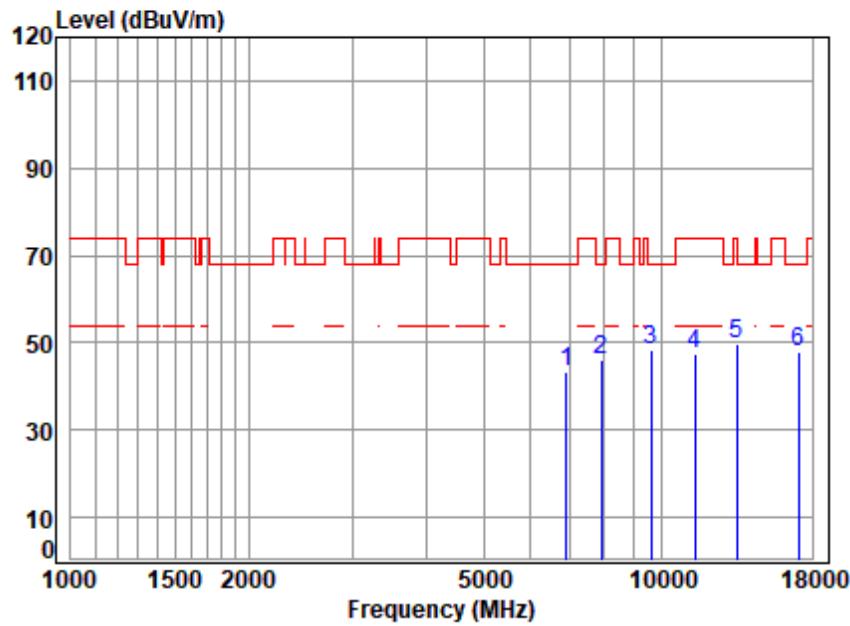
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5700 TX RSE

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6914.763	11.37	36.17	56.72	52.75	43.57	68.20 -24.63 peak
2	7920.911	11.54	37.64	55.96	52.79	46.01	68.20 -22.19 Peak
3	9613.430	12.47	38.77	54.45	51.74	48.53	68.20 -19.67 Peak
4	11400.000	14.21	39.70	53.62	47.17	47.46	74.00 -26.54 peak
5	pp13404.010	15.91	40.29	54.46	48.05	49.79	68.20 -18.41 peak
6	17100.000	18.47	39.80	54.32	44.14	48.09	68.20 -20.11 peak

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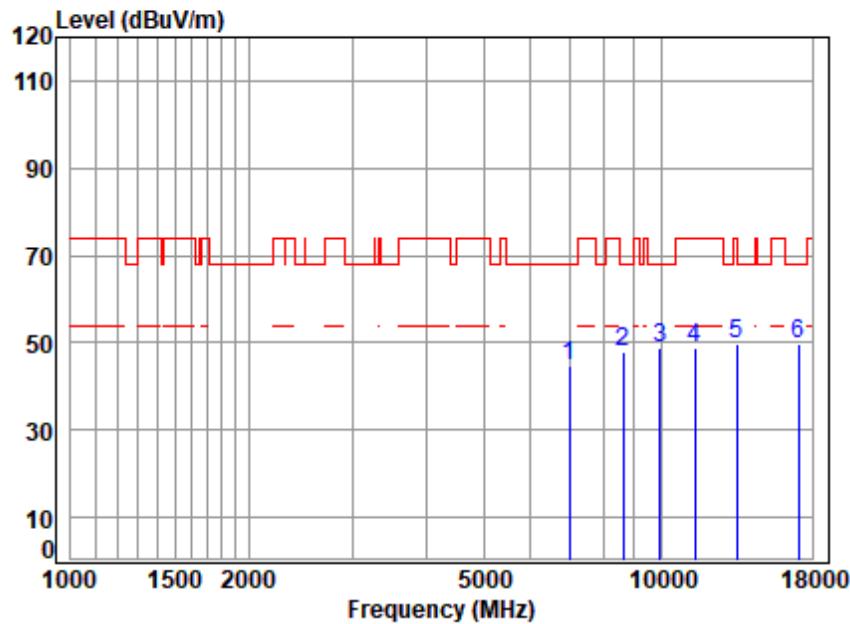
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5700 TX RSE

: 5G Wi-Fi 11ax20

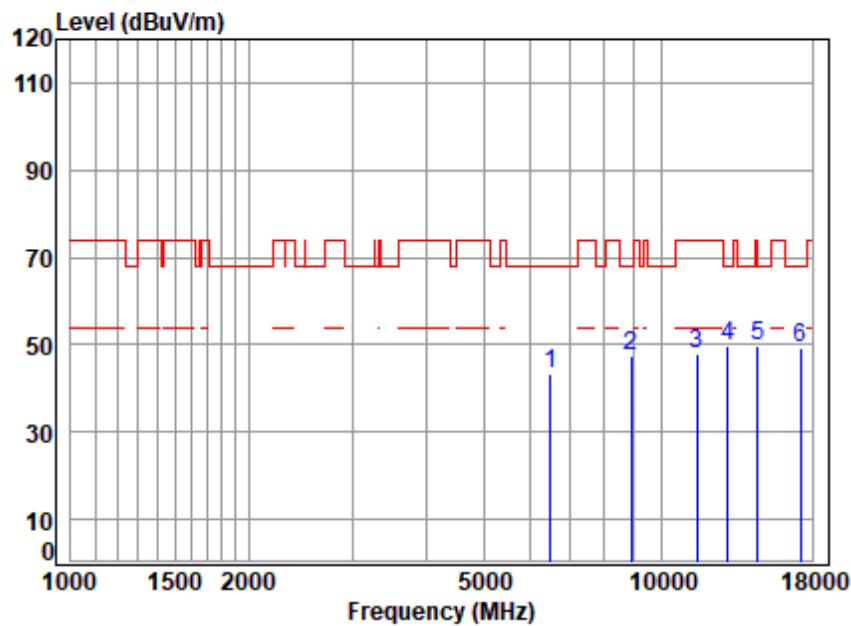
Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	6995.172	11.37	36.19	56.70	53.66	44.52	68.20	-23.68 peak
2	8613.468	11.98	38.47	55.35	52.75	47.85	68.20	-20.35 Peak
3	9952.717	12.91	38.90	54.14	51.00	48.67	68.20	-19.53 Peak
4	11400.000	14.21	39.70	53.62	48.30	48.59	74.00	-25.41 peak
5	pp13404.010	15.91	40.29	54.46	48.01	49.75	68.20	-18.45 peak
6	17100.000	18.47	39.80	54.32	45.64	49.59	68.20	-18.61 peak

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



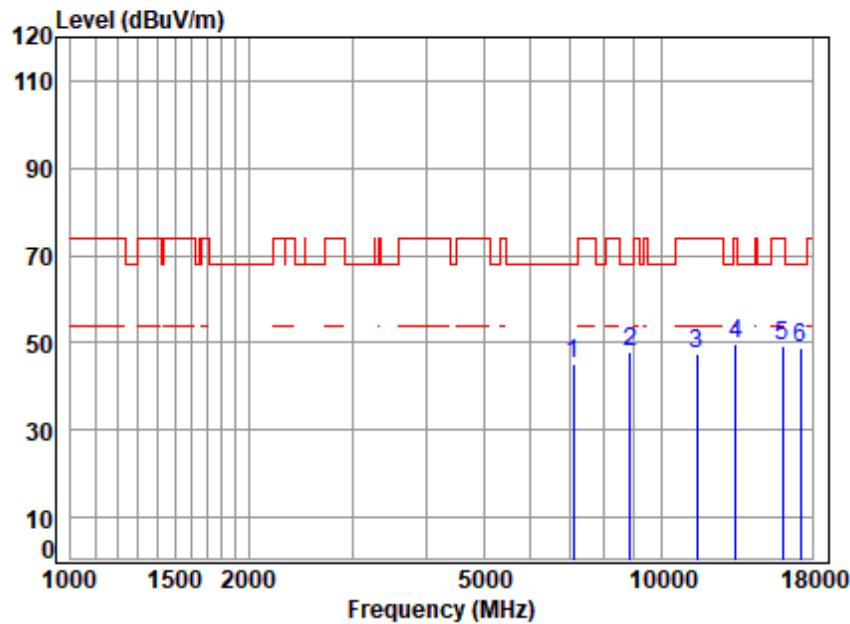
Condition: 3m HORIZONTAL
Job No : 01683TL/01684TL
Mode : 5745 TX RSE
: 5G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6488.754	11.86	34.88	56.80	53.44	43.38	68.20 -24.82 Peak
2	8891.725	12.22	38.58	55.10	51.59	47.29	68.20 -20.91 Peak
3	11490.000	14.97	39.61	53.65	46.79	47.72	74.00 -26.28 peak
4	12947.070	15.84	40.35	54.46	47.97	49.70	68.20 -18.50 Peak
5	14533.910	16.79	39.43	54.35	47.82	49.69	68.20 -18.51 Peak
6	17235.000	17.83	40.01	54.35	45.97	49.46	68.20 -18.74 peak

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Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5745 TX RSE

: 5G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	Line	
1	7096.999	11.97	36.39	56.62	53.52	45.26	68.20	-22.94 Peak
2	8866.062	12.23	38.53	55.12	52.32	47.96	68.20	-20.24 Peak
3	11490.000	14.97	39.61	53.65	46.52	47.45	74.00	-26.55 peak
4	13365.320	16.13	40.30	54.46	47.66	49.63	74.00	-24.37 Peak
5	16034.730	17.12	38.57	54.01	47.72	49.40	74.00	-24.60 Peak
6	pp17235.000	17.83	40.01	54.35	45.45	48.94	68.20	-19.26 peak

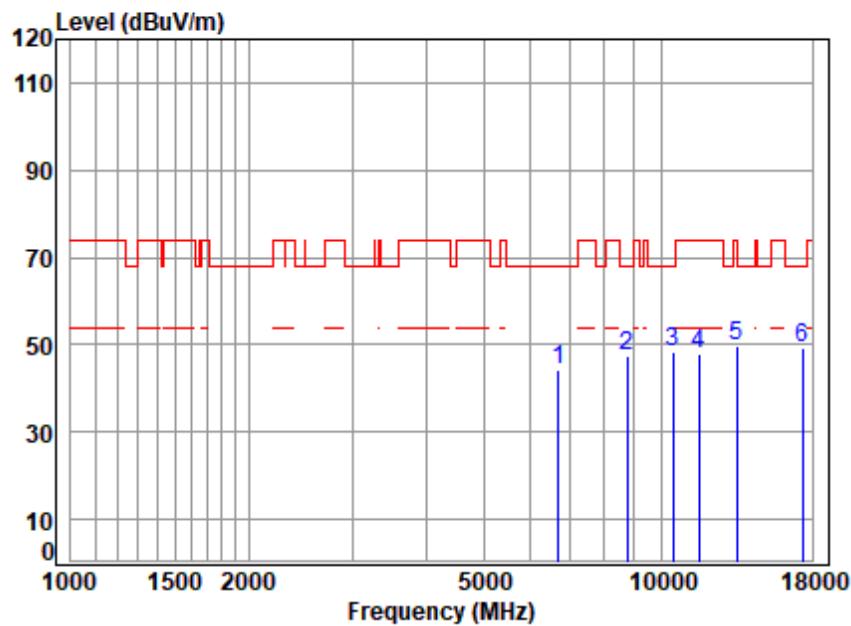
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Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL
Job No : 01683TL/01684TL
Mode : 5785 TX RSE
: 5G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6698.373	11.41	35.40	56.76	53.99	44.04	68.20 -24.16 Peak
2	8738.852	12.15	38.52	55.24	51.98	47.41	68.20 -20.79 Peak
3	10484.230	13.64	39.08	53.81	49.39	48.30	68.20 -19.90 Peak
4	11570.000	14.78	39.60	53.67	47.24	47.95	74.00 -26.05 peak
5	pp13442.810	15.87	40.21	54.46	48.09	49.71	68.20 -18.49 Peak
6	17355.000	18.00	40.31	54.37	45.30	49.24	68.20 -18.96 peak

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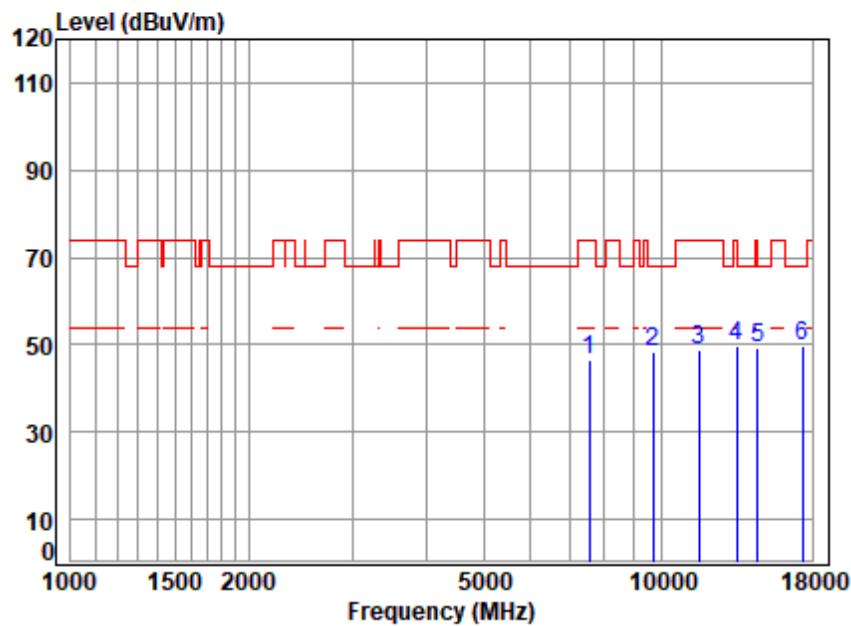
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Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5785 TX RSE

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	7541.114	11.17	36.80	56.27	54.80	46.50	74.00 -27.50 Peak
2	9697.151	12.69	38.70	54.37	51.19	48.21	68.20 -19.99 Peak
3	11570.000	14.78	39.60	53.67	47.93	48.64	74.00 -25.36 peak
4	13442.810	15.87	40.21	54.46	47.96	49.58	68.20 -18.62 Peak
5	14533.910	16.79	39.43	54.35	47.60	49.47	68.20 -18.73 Peak
6	pp17355.000	18.00	40.31	54.37	45.70	49.64	68.20 -18.56 peak

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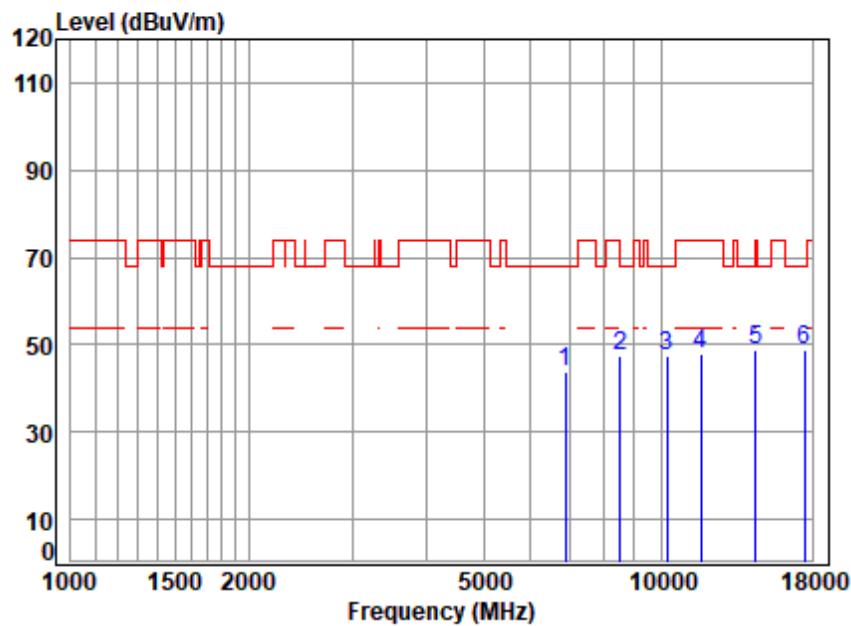
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Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 01683TL/01684TL
Mode : 5825 TX RSE
: 5G Wi-Fi 11a

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6874.906	11.37	36.10	56.73	53.24	43.98	68.20 -24.22 Peak
2	8514.456	12.26	38.30	55.44	52.19	47.31	68.20 -20.89 Peak
3	10244.580	13.31	39.06	53.95	48.84	47.26	68.20 -20.94 Peak
4	11650.000	14.69	39.55	53.69	47.38	47.93	74.00 -26.07 peak
5	pp14450.130	16.98	39.55	54.35	46.81	48.99	68.20 -19.21 Peak
6	17475.000	18.35	40.78	54.40	44.17	48.90	68.20 -19.30 peak

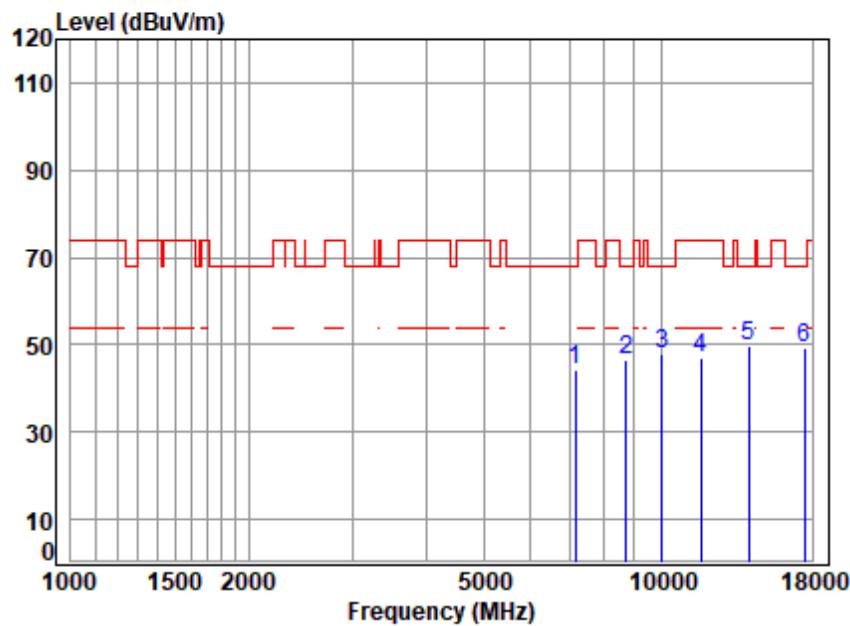
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Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5825 TX RSE

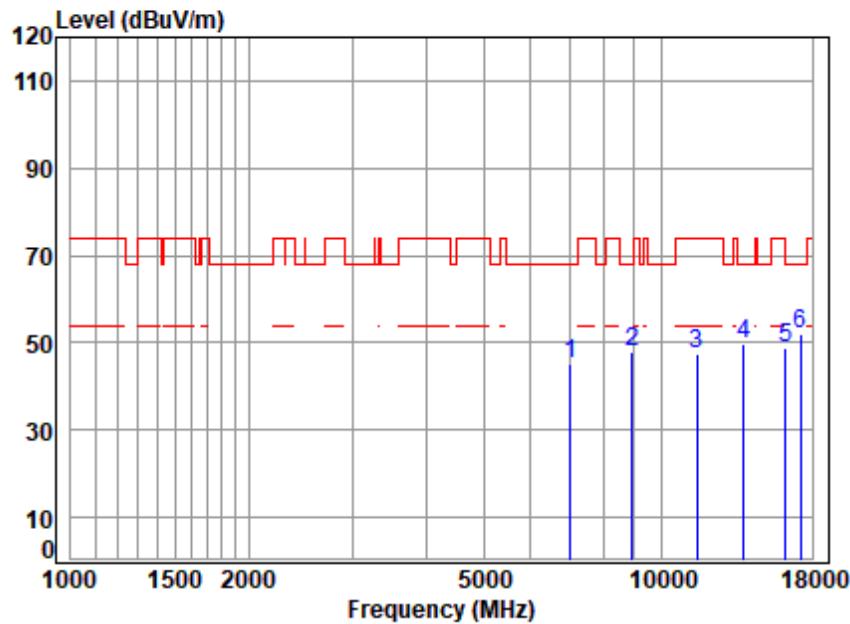
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	7158.806	11.71	36.52	56.57	52.37	44.03	68.20 -24.17 Peak
2	8713.630	12.11	38.57	55.26	51.30	46.72	68.20 -21.48 Peak
3	10039.390	13.11	38.98	54.08	49.86	47.87	68.20 -20.33 Peak
4	11650.000	14.69	39.55	53.69	46.53	47.08	74.00 -26.92 peak
5	pp14038.450	16.51	39.90	54.40	47.70	49.71	68.20 -18.49 Peak
6	17475.000	18.35	40.78	54.40	44.49	49.22	68.20 -18.98 peak



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Test Mode: 05; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 01683TL/01684TL
Mode : 5745 TX RSE
: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	7015.420	11.47	36.23	56.69	53.98	44.99	68.20 -23.21 Peak
2	8917.462	12.21	38.57	55.07	52.03	47.74	68.20 -20.46 Peak
3	11490.000	14.97	39.61	53.65	46.38	47.31	74.00 -26.69 peak
4	13797.090	15.97	39.90	54.42	48.46	49.91	68.20 -18.29 Peak
5	16221.190	17.20	38.52	54.07	47.12	48.77	68.20 -19.43 Peak
6	pp17235.000	17.83	40.01	54.35	48.47	51.96	68.20 -16.24 peak

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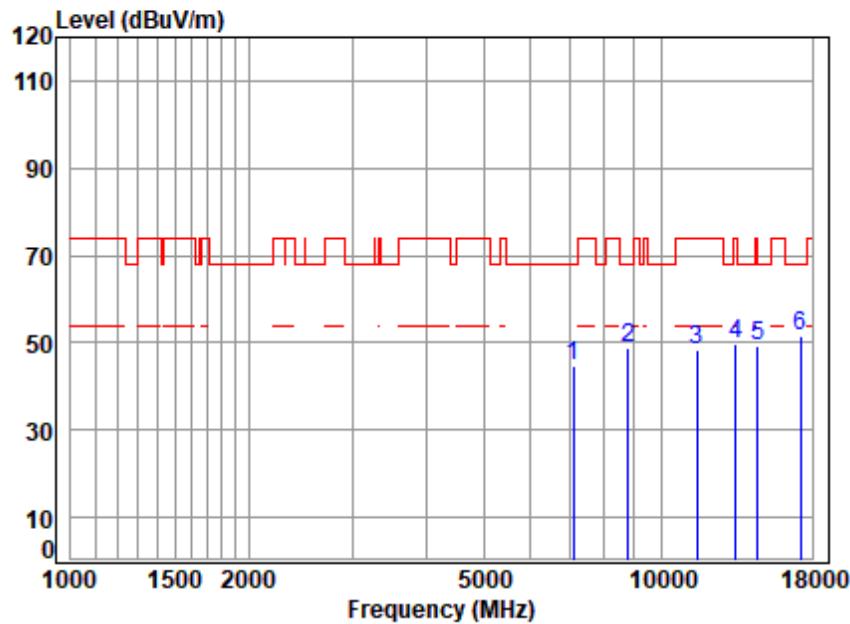
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Test Mode: 05; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5745 TX RSE

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	Line	
1	7096.999	11.97	36.39	56.62	52.76	44.50	68.20	-23.70 Peak
2	8789.516	12.23	38.50	55.19	53.40	48.94	68.20	-19.26 Peak
3	11490.000	14.97	39.61	53.65	47.53	48.46	74.00	-25.54 peak
4	13365.320	16.13	40.30	54.46	47.86	49.83	74.00	-24.17 Peak
5	14533.910	16.79	39.43	54.35	47.28	49.15	68.20	-19.05 Peak
6	pp17235.000	17.83	40.01	54.35	47.96	51.45	68.20	-16.75 peak

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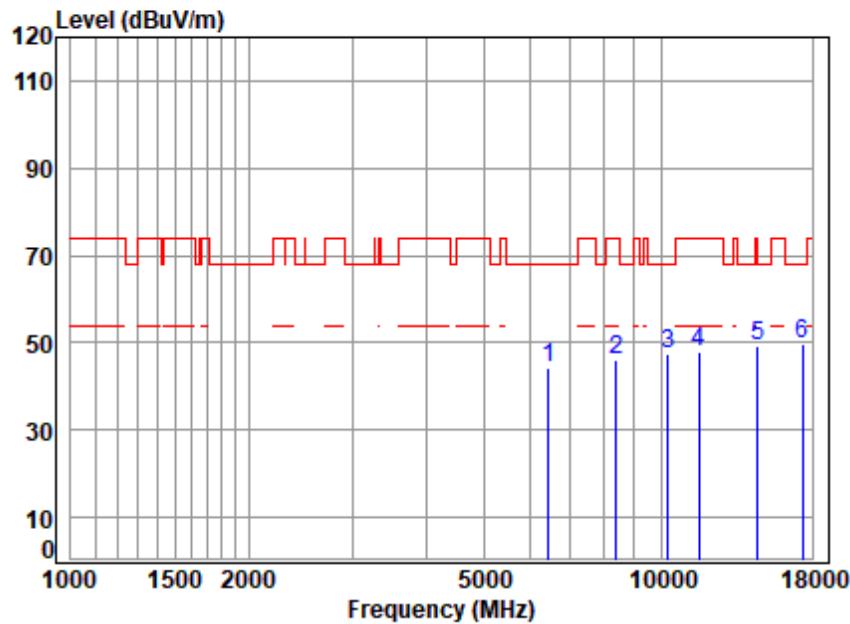
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Test Mode: 05; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5785 TX RSE

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6451.353	12.48	34.80	56.81	53.92	44.39	68.20 -23.81 Peak
2	8392.292	11.64	38.62	55.55	51.59	46.30	74.00 -27.70 Peak
3	10274.240	13.45	39.03	53.94	48.93	47.47	68.20 -20.73 Peak
4	11570.000	14.78	39.60	53.67	47.41	48.12	74.00 -25.88 peak
5	14575.970	16.41	39.35	54.34	47.67	49.09	68.20 -19.11 Peak
6	pp17355.000	18.00	40.31	54.37	45.85	49.79	68.20 -18.41 peak

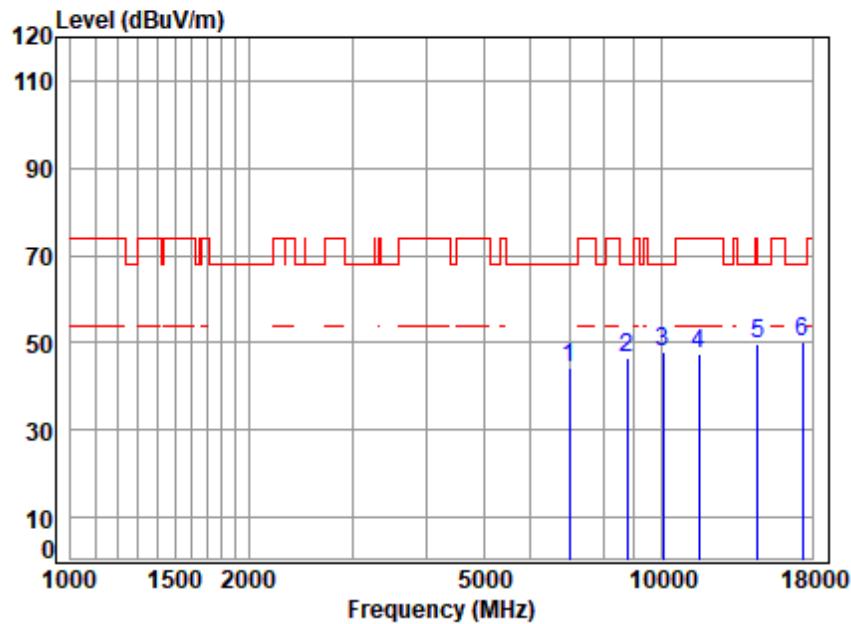
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Test Mode: 05; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:middle



Condition: 3m VERTICAL
Job No : 01683TL/01684TL
Mode : 5785 TX RSE
: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	6974.982	11.37	36.15	56.71	53.28	44.09	68.20 -24.11 Peak
2	8738.852	12.15	38.52	55.24	51.33	46.76	68.20 -21.44 Peak
3	10068.450	13.19	39.04	54.06	49.91	48.08	68.20 -20.12 Peak
4	11570.000	14.78	39.60	53.67	46.70	47.41	74.00 -26.59 peak
5	14533.910	16.79	39.43	54.35	48.06	49.93	68.20 -18.27 Peak
6	pp17355.000	18.00	40.31	54.37	46.19	50.13	68.20 -18.07 peak

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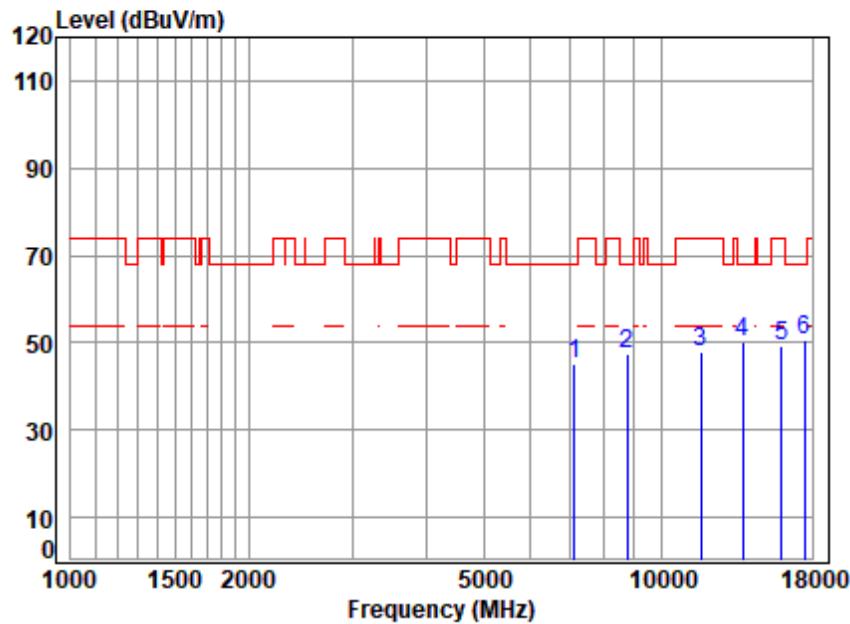
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Test Mode: 05; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5825 TX RSE

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	7138.144	11.81	36.48	56.59	53.55	45.25	68.20 -22.95 Peak
2	8764.146	12.19	38.50	55.21	52.08	47.56	68.20 -20.64 Peak
3	11650.000	14.69	39.55	53.69	47.46	48.01	74.00 -25.99 peak
4	13717.560	16.33	39.98	54.43	48.30	50.18	68.20 -18.02 Peak
5	15988.450	17.17	38.61	54.00	47.72	49.50	74.00 -24.50 Peak
6	pp17475.000	18.35	40.78	54.40	45.79	50.52	68.20 -17.68 peak

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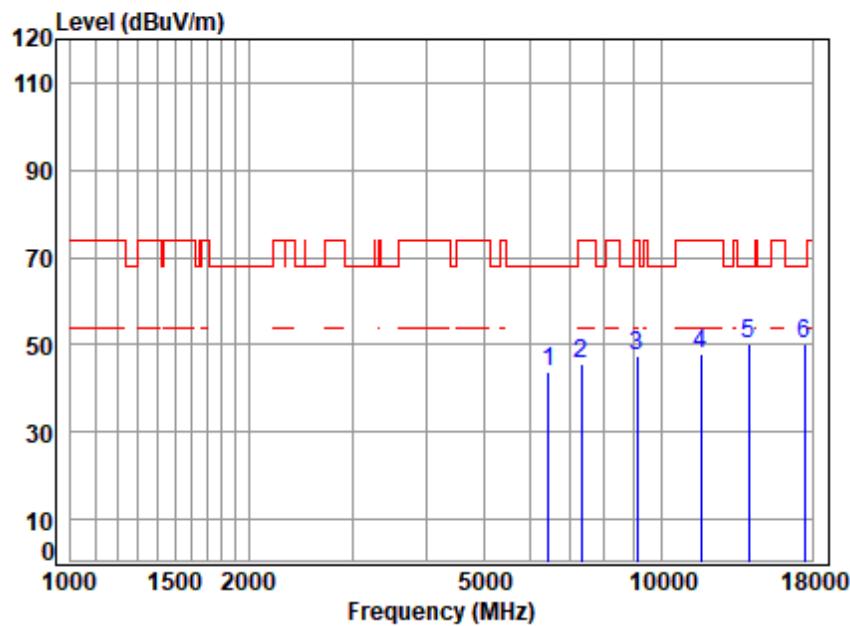
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Test Mode: 05; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5825 TX RSE

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Freq	Loss	Factor	Factor	Level	Level	Line	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	6451.353	12.48	34.80	56.81	53.42	43.89	68.20	-24.31 Peak
2	7326.267	11.51	36.75	56.44	54.01	45.83	74.00	-28.17 Peak
3	9099.724	12.12	38.60	54.91	51.83	47.64	74.00	-26.36 Peak
4	11650.000	14.69	39.55	53.69	47.45	48.00	74.00	-26.00 peak
5	14038.450	16.51	39.90	54.40	48.11	50.12	68.20	-18.08 Peak
6	pp17475.000	18.35	40.78	54.40	45.55	50.28	68.20	-17.92 peak

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6.3 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 (2020) 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.

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6.3.1 E.U.T. Operation

Operating Environment:

Temperature: 23.0 °C Humidity: 51.8 % RH Atmospheric Pressure: 1020 mbar

6.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	02	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80),data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW80), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report
Final test	03	TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80), data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT160); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW80), data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW160), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80), data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT160); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW80), data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW160), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.

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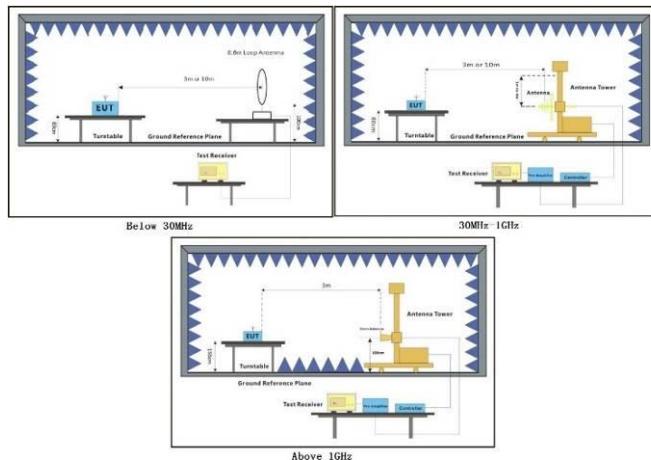
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Final test	05	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW80), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
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6.3.3 Test Setup Diagram



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



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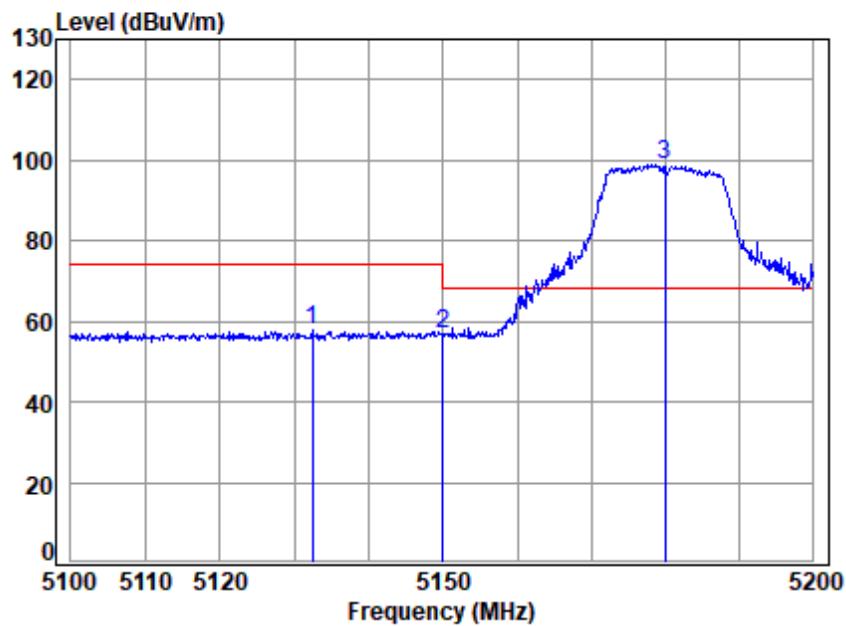
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

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

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5132.387	10.07	32.36	30.85	46.24	57.82	74.00	-16.18 peak
2	5149.980	10.14	32.40	30.84	45.26	56.96	74.00	-17.04 peak
3 pp	5180.000	10.25	32.46	30.83	86.98	98.86	68.20	30.66 peak

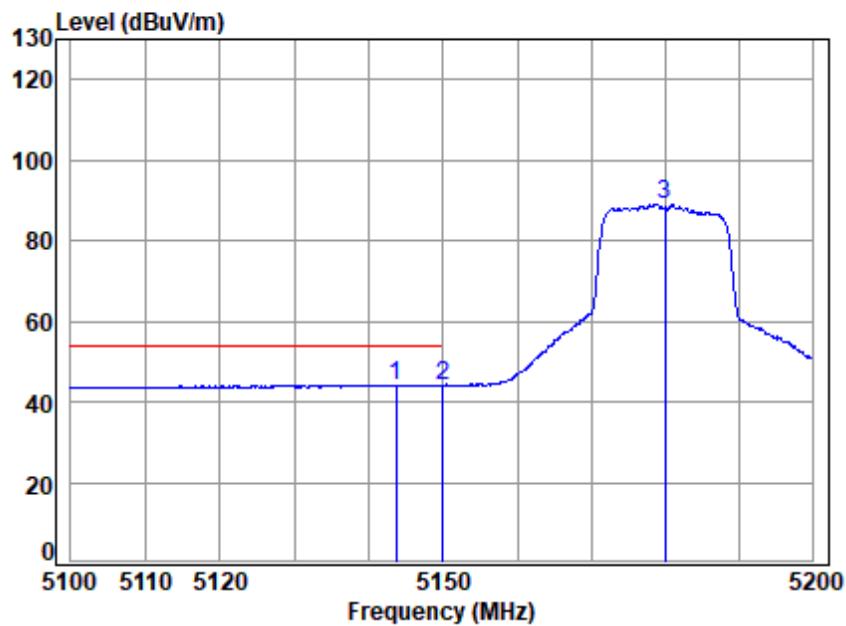
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

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

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	dBuV			
1 pp	5143.661	10.12	32.39	30.84	32.49	44.16	54.00	-9.84 Average
2	5149.980	10.14	32.40	30.84	32.44	44.14	54.00	-9.86 Average
3	5180.000	10.25	32.46	30.83	77.19	89.07	-----	----- Average

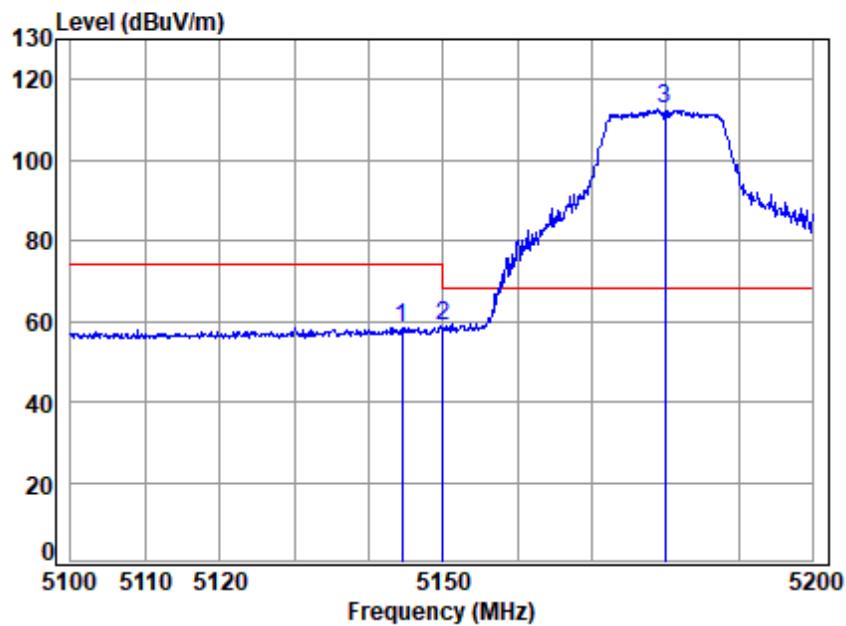
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Test Mode: 02; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01683TL/01684TL
Mode : 5180 Band edge
: 5G Wi-Fi 11a

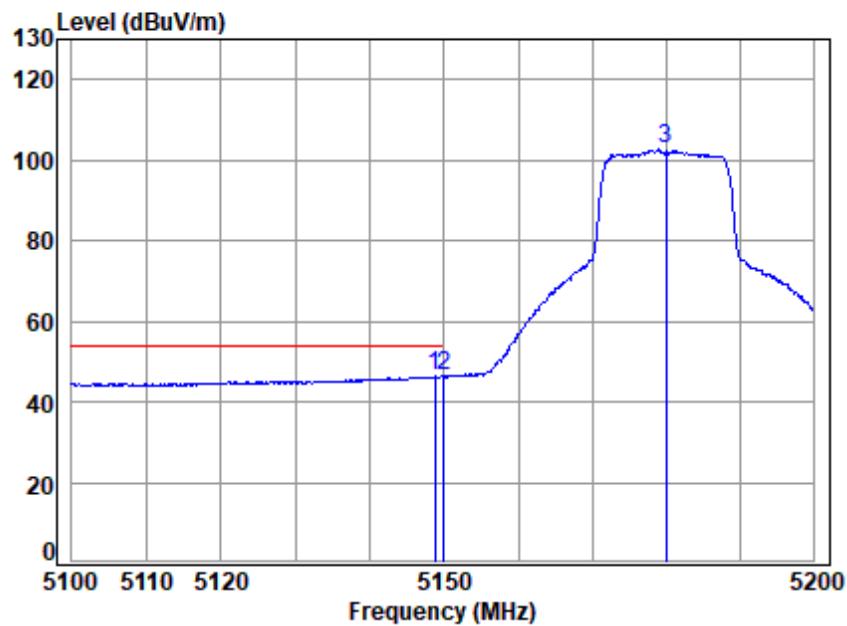
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5144.460	10.12	32.39	30.84	46.88	58.55	74.00 -15.45 Peak
2	5149.980	10.14	32.40	30.84	46.92	58.62	74.00 -15.38 Peak
3 pp	5180.000	10.25	32.46	30.83	100.60	112.48	68.20 44.28 Peak



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



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

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

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5148.757	10.14	32.40	30.84	34.57	46.27	54.00 -7.73 Average
2 pp	5149.980	10.14	32.40	30.84	34.81	46.51	54.00 -7.49 Average
3	5180.000	10.25	32.46	30.83	90.69	102.57	----- ----- Average

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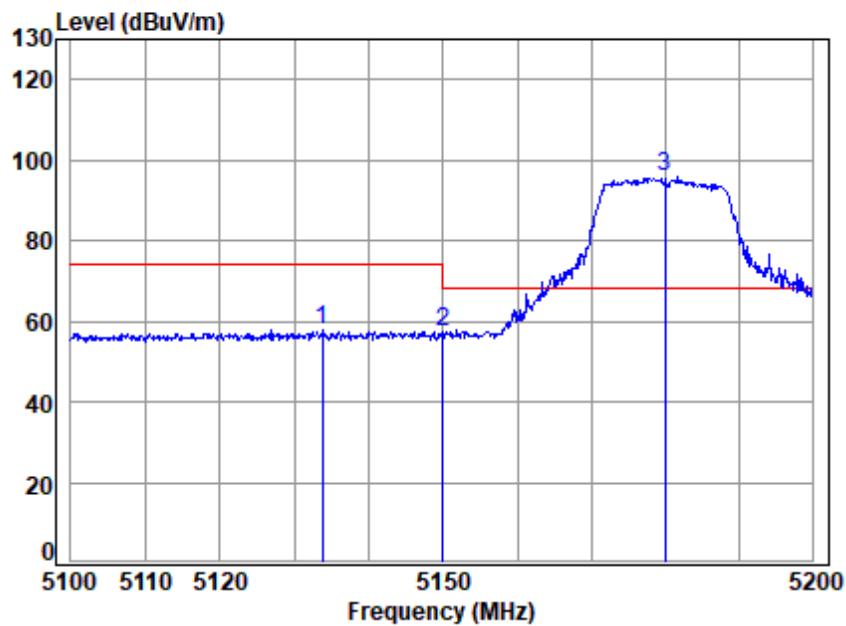
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

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

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5133.782	10.08	32.37	30.85	46.43	58.03	74.00 -15.97 peak
2	5149.980	10.14	32.40	30.84	45.69	57.39	74.00 -16.61 peak
3 pp	5180.000	10.25	32.46	30.83	83.95	95.83	68.20 27.63 peak

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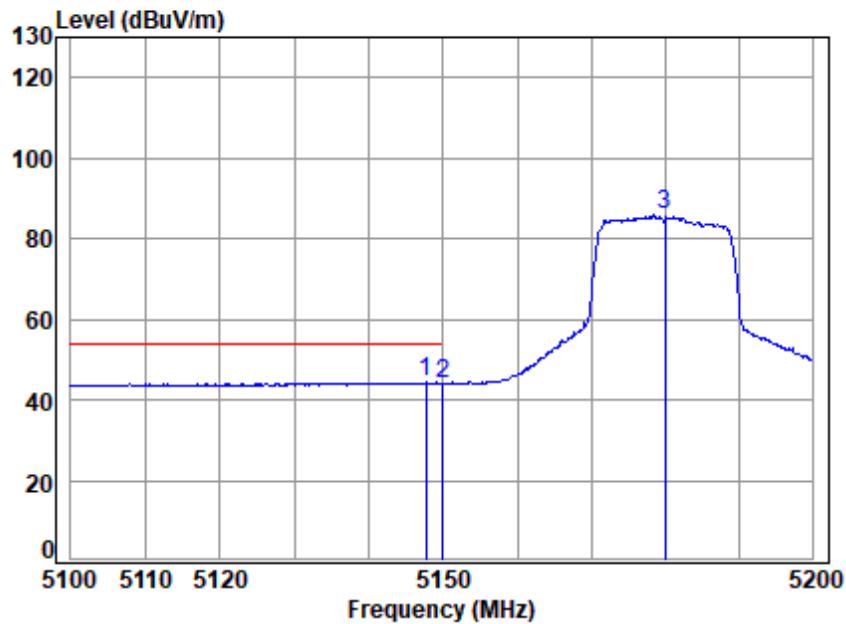
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

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

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	dBuV			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5147.658	10.13	32.40	30.84	32.60	44.29	54.00	-9.71 Average
2	5149.980	10.14	32.40	30.84	32.50	44.20	54.00	-9.80 Average
3	5180.000	10.25	32.46	30.83	73.91	85.79	-----	----- Average



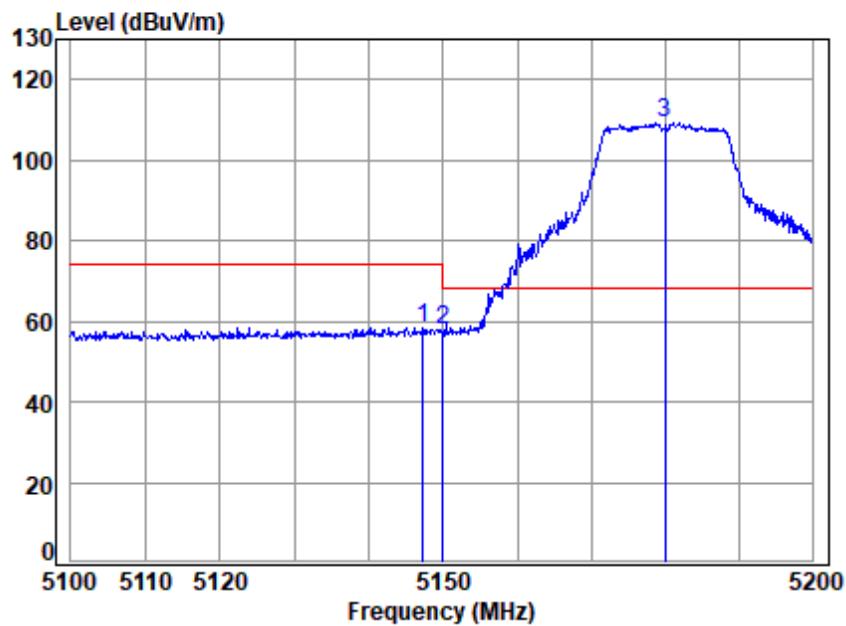
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Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

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

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5147.258	10.13	32.39	30.84	46.70	58.38	74.00	-15.62 Peak
2	5149.980	10.14	32.40	30.84	46.08	57.78	74.00	-16.22 Peak
3 pp	5180.000	10.25	32.46	30.83	97.27	109.15	68.20	40.95 Peak

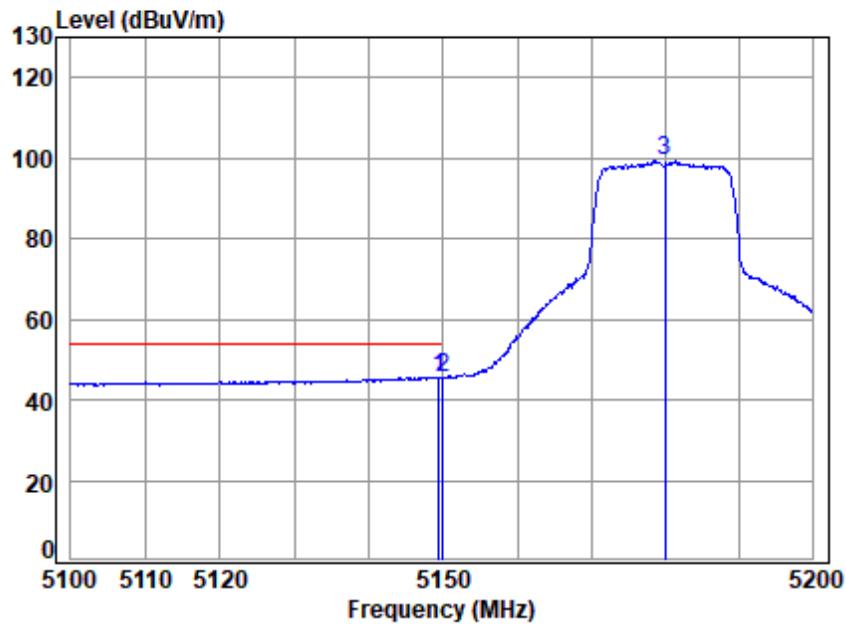


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Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

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

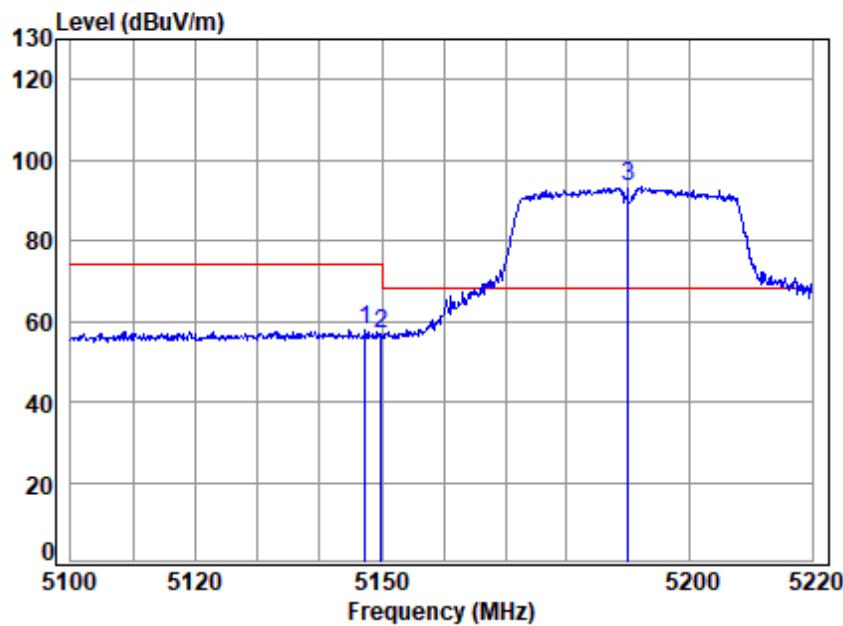
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1 pp	5149.458	10.14	32.40	30.84	34.01	45.71	54.00 -8.29 Average
2	5149.980	10.14	32.40	30.84	33.95	45.65	54.00 -8.35 Average
3	5180.000	10.25	32.46	30.83	87.26	99.14	----- Average



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



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

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

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5147.306	10.13	32.39	30.84	46.15	57.83	74.00	-16.17 peak
2	5149.980	10.14	32.40	30.84	45.07	56.77	74.00	-17.23 peak
3 pp	5190.000	10.29	32.48	30.82	81.37	93.32	68.20	25.12 peak

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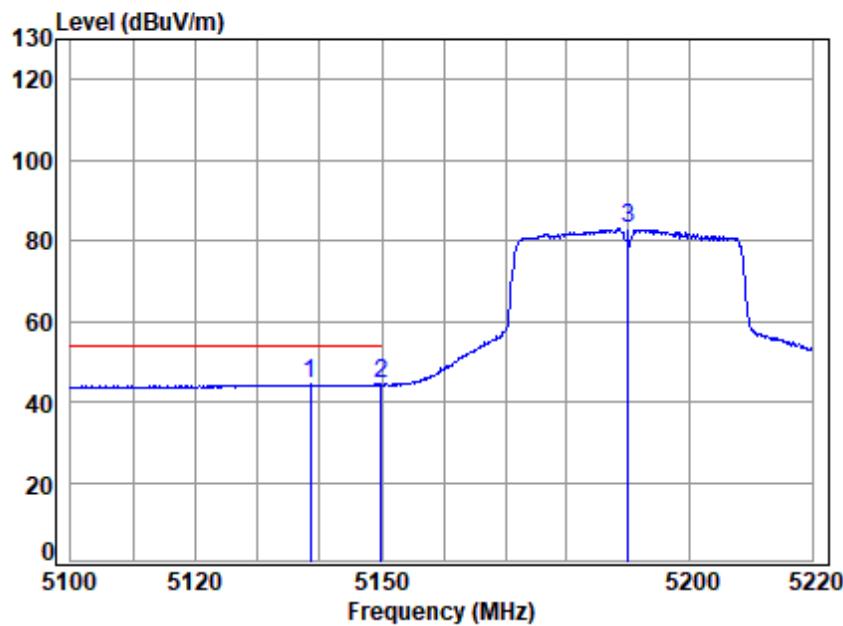
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

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

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	dBuV			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5138.455	10.10	32.38	30.84	32.64	44.28	54.00	-9.72 Average
2	5149.980	10.14	32.40	30.84	32.56	44.26	54.00	-9.74 Average
3	5190.000	10.29	32.48	30.82	71.14	83.09	-----	----- Average

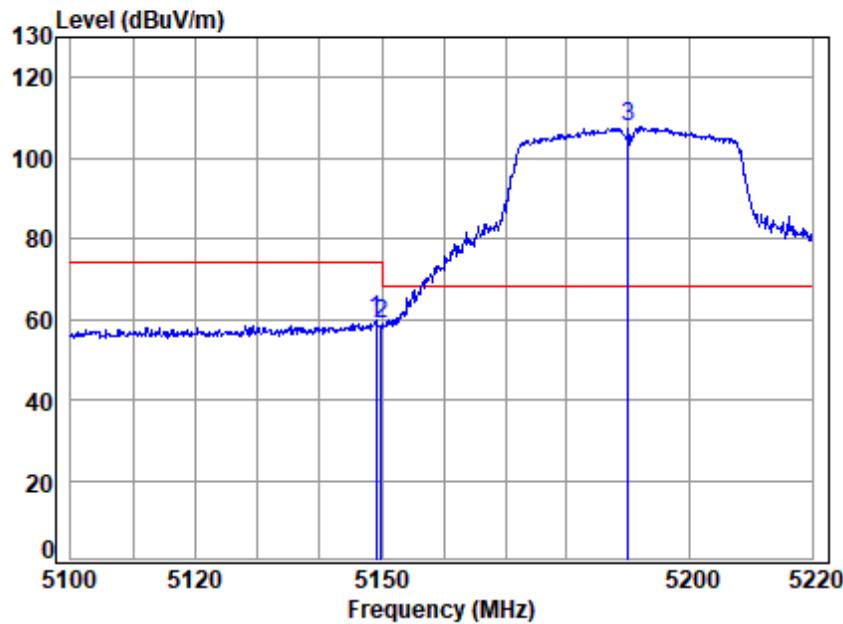
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Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

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

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5149.102	10.14	32.40	30.84	48.22	59.92	74.00 -14.08 Peak
2	5149.980	10.14	32.40	30.84	47.32	59.02	74.00 -14.98 Peak
3 pp	5190.000	10.29	32.48	30.82	95.72	107.67	68.20 39.47 Peak



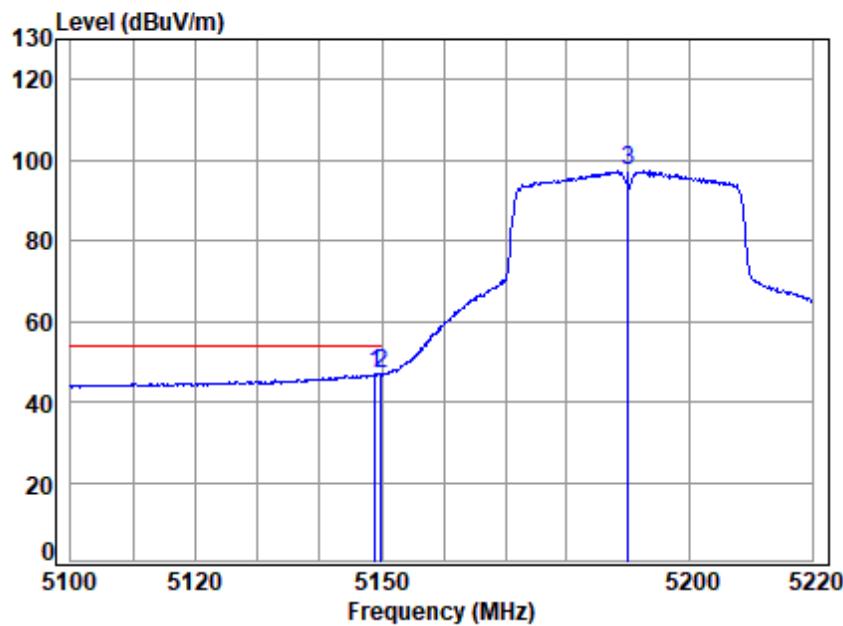
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Test Mode: 02; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

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

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5148.863	10.14	32.40	30.84	35.20	46.90	54.00 -7.10 Average
2 pp	5149.980	10.14	32.40	30.84	35.22	46.92	54.00 -7.08 Average
3	5190.000	10.29	32.48	30.82	85.39	97.34	----- ----- Average

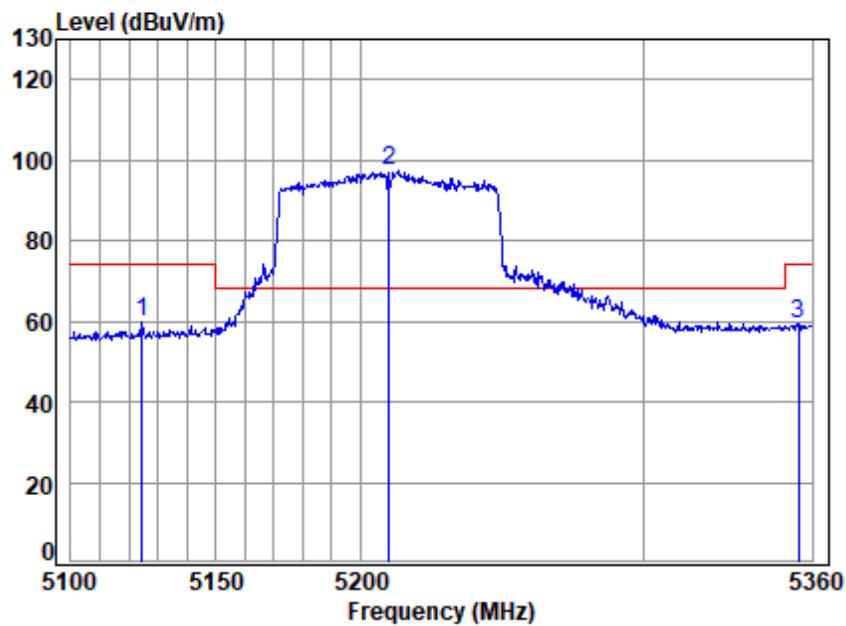
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5210 Band edge

: 5G Wi-Fi 11ac80

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level	Level	Line	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5124.403	10.04	32.35	30.85	48.21	59.75	74.00 -14.25 peak
2 pp	5210.000	10.32	32.52	30.82	85.12	97.14	68.20 28.94 peak
3	5355.205	10.47	32.80	30.76	46.95	59.46	74.00 -14.54 peak

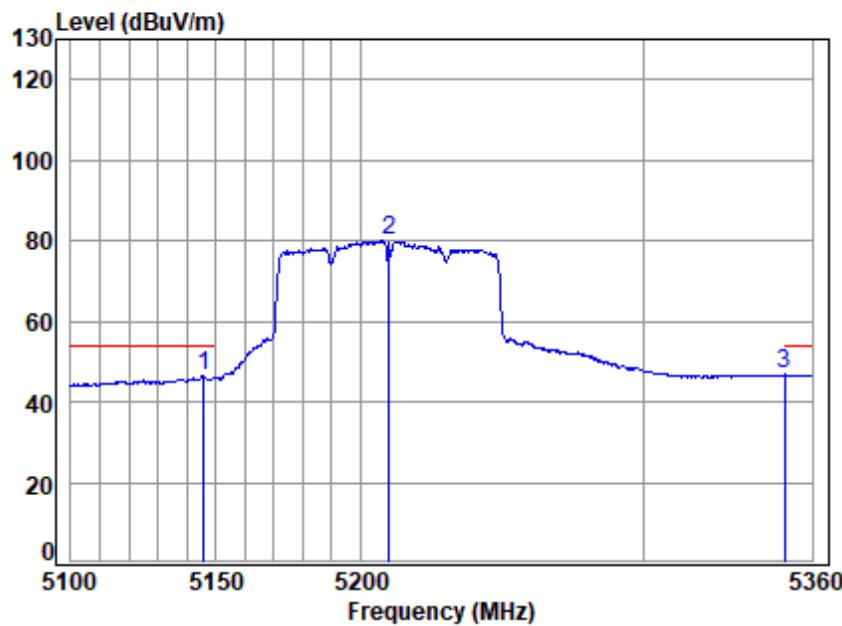
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5210 Band edge

: 5G Wi-Fi 11ac80

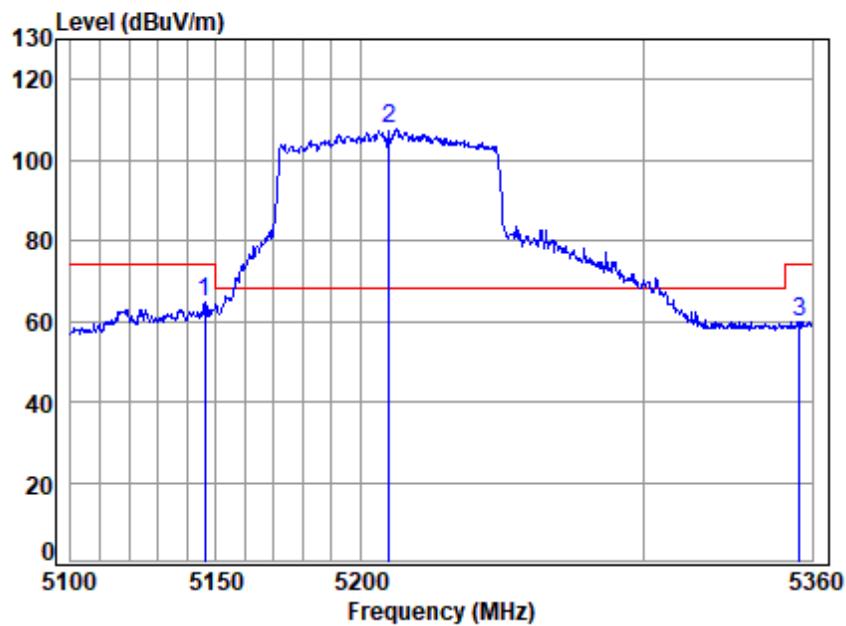
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level				
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5145.851	10.12	32.39	30.84	34.68	46.35	54.00	-7.65 Average
2	5210.000	10.32	32.52	30.82	68.07	80.09	-----	----- Average
3 pp	5350.148	10.45	32.80	30.76	34.30	46.79	54.00	-7.21 Average



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



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

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

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5146.107	10.13	32.39	30.84	52.87	64.55	74.00	-9.45 Peak
2 pp	5210.000	10.32	32.52	30.82	95.59	107.61	68.20	39.41 Peak
3	5355.471	10.47	32.80	30.76	47.49	60.00	74.00	-14.00 Peak

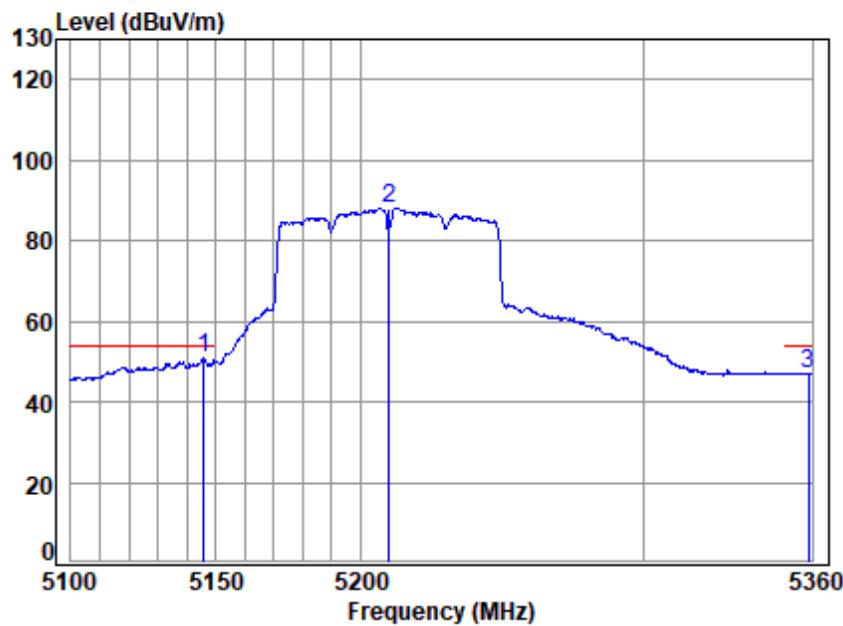
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

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

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	dBuV			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5145.851	10.12	32.39	30.84	39.11	50.78	54.00	-3.22 Average
2	5210.000	10.32	32.52	30.82	76.07	88.09	-----	----- Average
3	5358.667	10.48	32.80	30.76	34.58	47.10	54.00	-6.90 Average

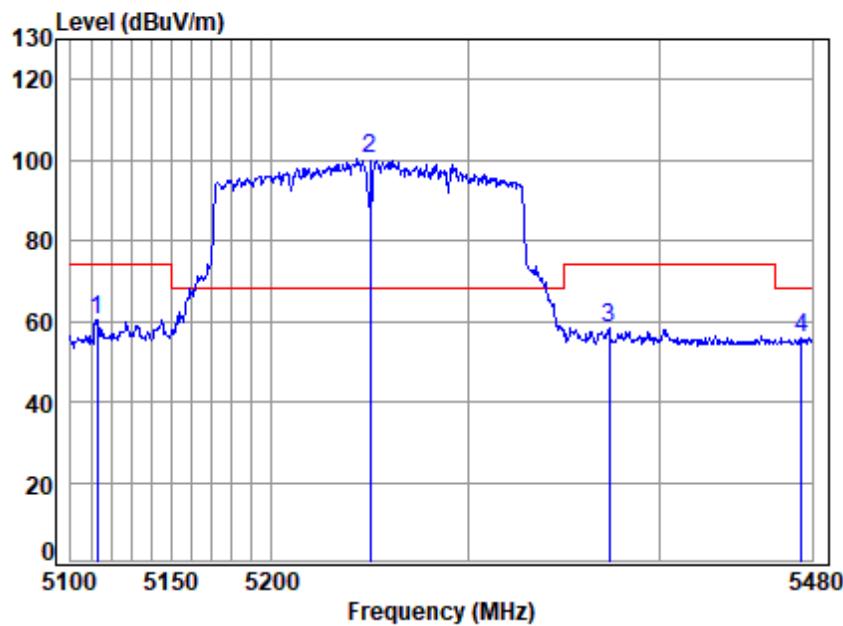
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:160MHz; Channel:middle



Condition: 3m HORIZONTAL
Job No : 01683TL/01684TL
Mode : 5250 Band edge
: 5G Wi-Fi 11ac160

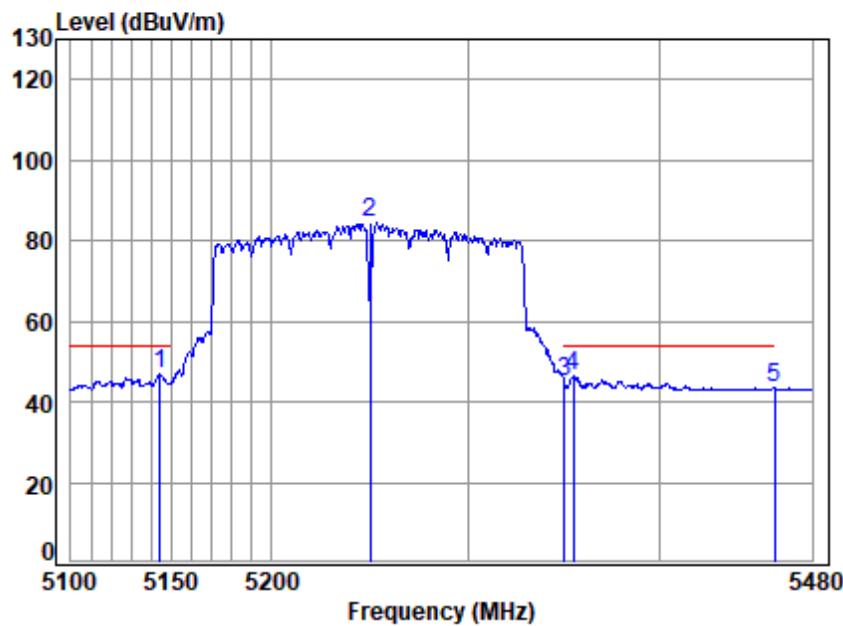
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5113.211	10.00	32.33	30.85	48.88	60.36	74.00 -13.64 peak
2 pp	5250.000	10.31	32.60	30.80	88.39	100.50	68.20 32.30 peak
3	5373.149	10.53	32.80	30.75	45.97	58.55	74.00 -15.45 peak
4	5474.489	10.59	32.90	30.71	43.21	55.99	68.20 -12.21 peak

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



Condition: 3m HORIZONTAL
Job No : 01683TL/01684TL
Mode : 5250 Band edge
: 5G Wi-Fi 11ac160

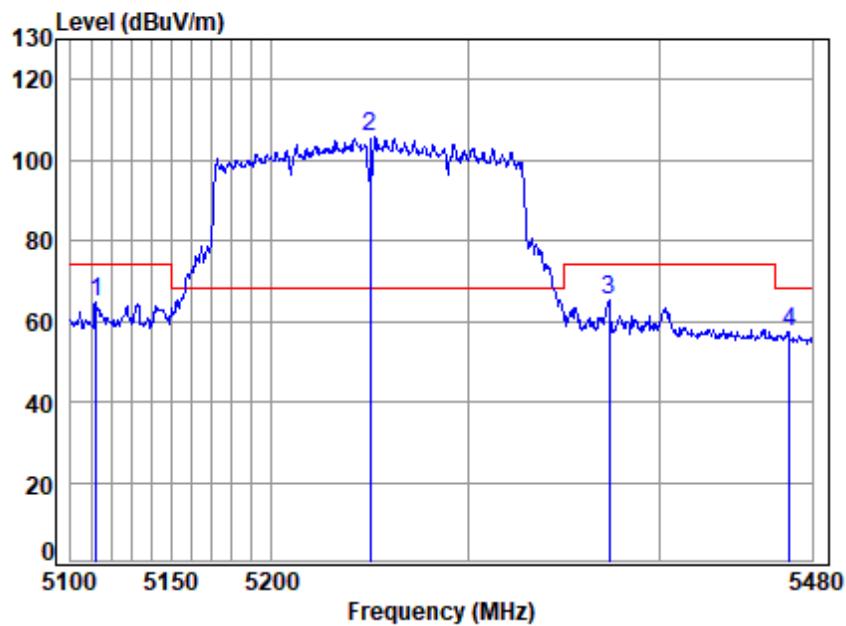
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	dBuV			
1 pp	5144.171	10.12	32.39	30.84	35.26	46.93	54.00	-7.07 Average
2	5250.000	10.31	32.60	30.80	72.22	84.33	-----	----- Average
3	5350.118	10.45	32.80	30.76	32.65	45.14	54.00	-8.86 Average
4	5354.646	10.47	32.80	30.76	33.89	46.40	54.00	-7.60 Average
5	5459.929	10.60	32.90	30.72	30.58	43.36	54.00	-10.64 Average

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



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

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

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5112.844	10.00	32.33	30.85	53.40	64.88	74.00	-9.12 peak
2 pp	5250.000	10.31	32.60	30.80	93.84	105.95	68.20	37.75 peak
3	5373.149	10.53	32.80	30.75	52.67	65.25	74.00	-8.75 peak
4	5467.805	10.59	32.90	30.71	44.39	57.17	68.20	-11.03 peak

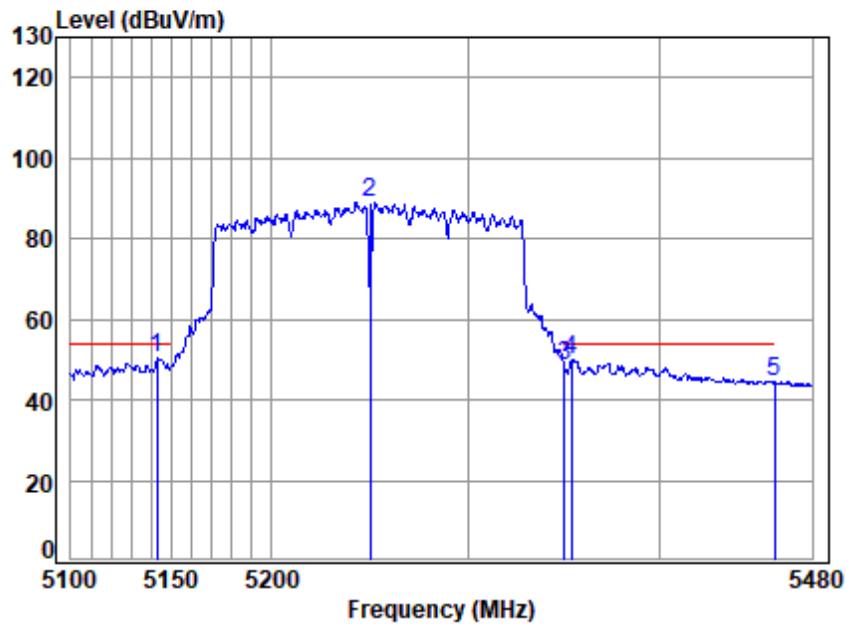
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ac; Bandwidth:160MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

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

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	Level			
1 pp	5143.063	10.11	32.39	30.84	38.59	50.25	54.00	-3.75 Average
2	5250.000	10.31	32.60	30.80	76.90	89.01	-----	----- Average
3	5350.118	10.45	32.80	30.76	35.87	48.36	54.00	-5.64 Average
4	5353.492	10.46	32.80	30.76	37.36	49.86	54.00	-4.14 Average
5	5459.929	10.60	32.90	30.72	31.56	44.34	54.00	-9.66 Average

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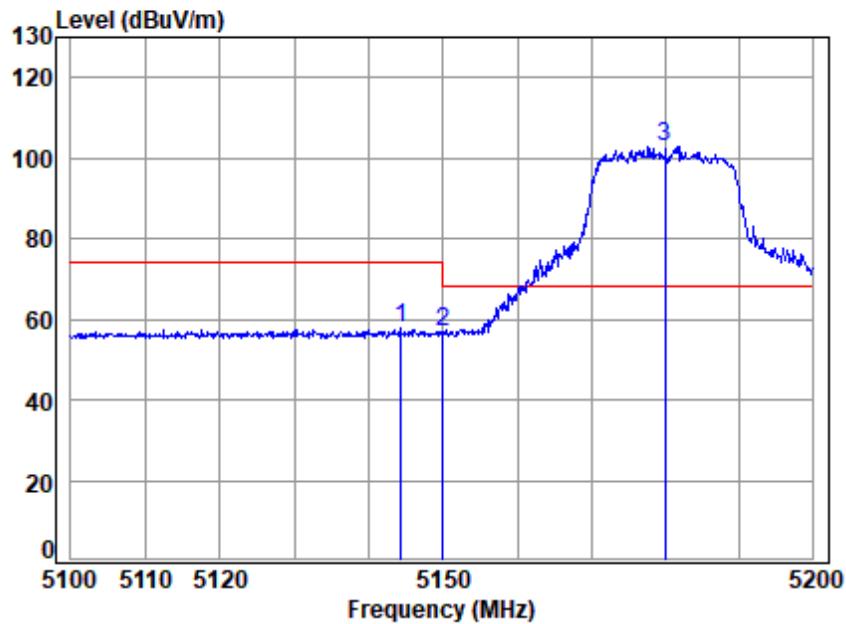
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5180 Band edge

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5144.260	10.12	32.39	30.84	45.92	57.59	74.00	-16.41 peak
2	5149.980	10.14	32.40	30.84	44.92	56.62	74.00	-17.38 peak
3 pp	5180.000	10.25	32.46	30.83	90.88	102.76	68.20	34.56 peak

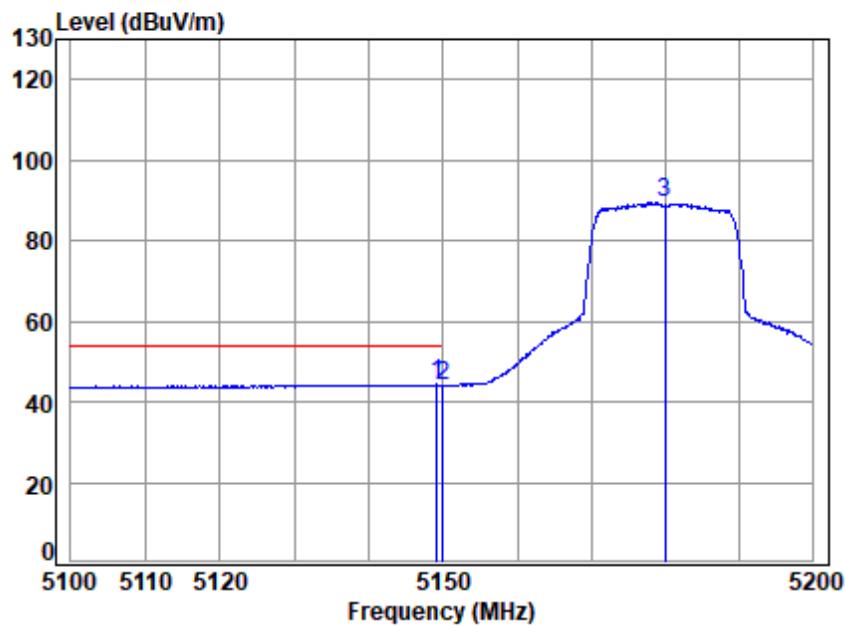
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

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

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	dBuV			
1 pp	5149.157	10.14	32.40	30.84	32.56	44.26	54.00	-9.74 Average
2	5149.980	10.14	32.40	30.84	32.52	44.22	54.00	-9.78 Average
3	5180.000	10.25	32.46	30.83	77.72	89.60	-----	----- Average

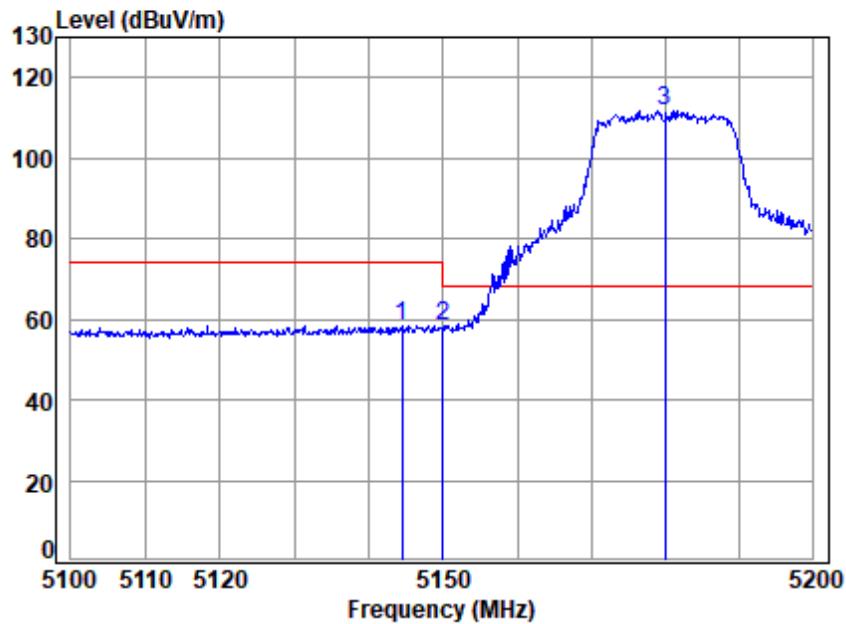
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

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

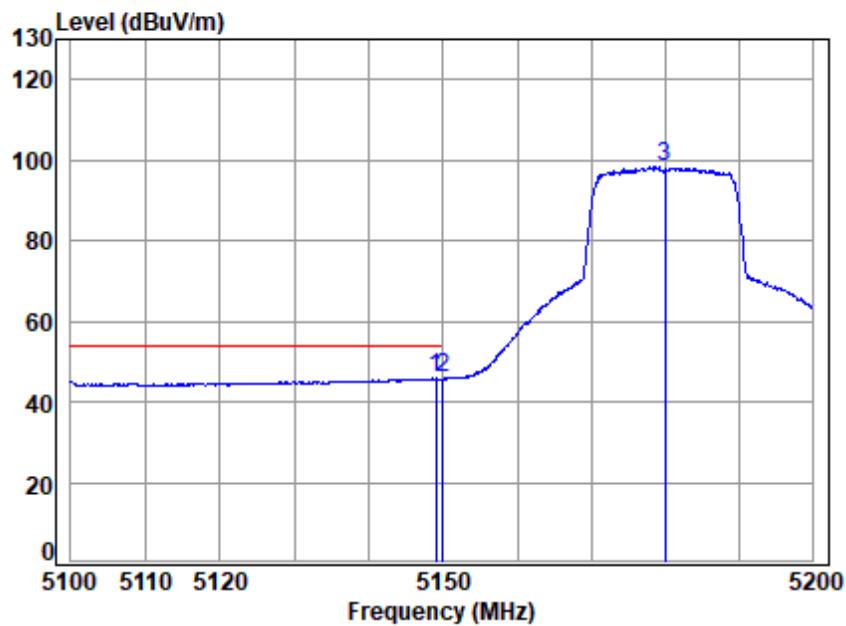
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5144.460	10.12	32.39	30.84	46.73	58.40	74.00 -15.60 Peak
2	5149.980	10.14	32.40	30.84	46.58	58.28	74.00 -15.72 Peak
3 pp	5180.000	10.25	32.46	30.83	99.94	111.82	68.20 43.62 Peak



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



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

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

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	dBuV			
1 pp	5148.958	10.14	32.40	30.84	34.12	45.82	54.00	-8.18 Average
2	5149.980	10.14	32.40	30.84	34.06	45.76	54.00	-8.24 Average
3	5180.000	10.25	32.46	30.83	86.52	98.40	-----	----- Average



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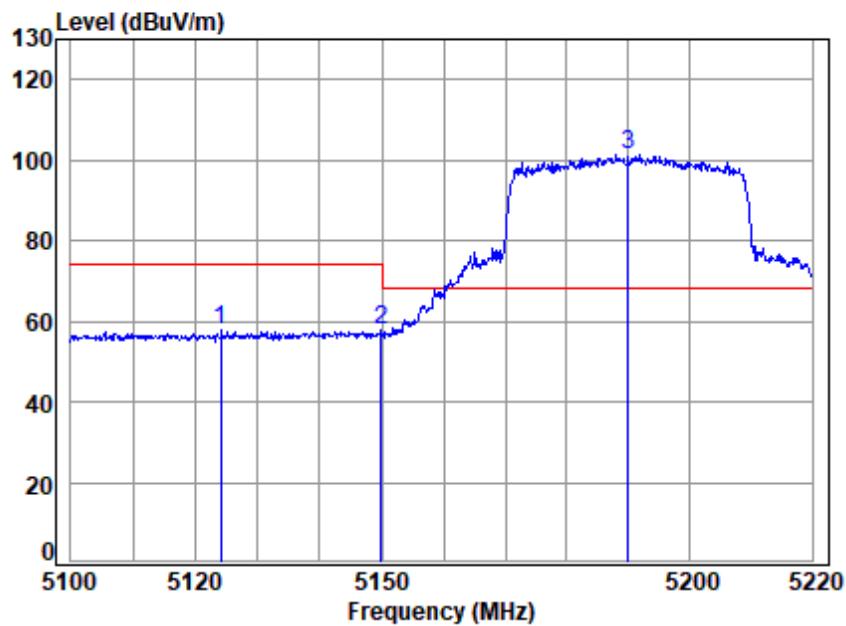
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

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

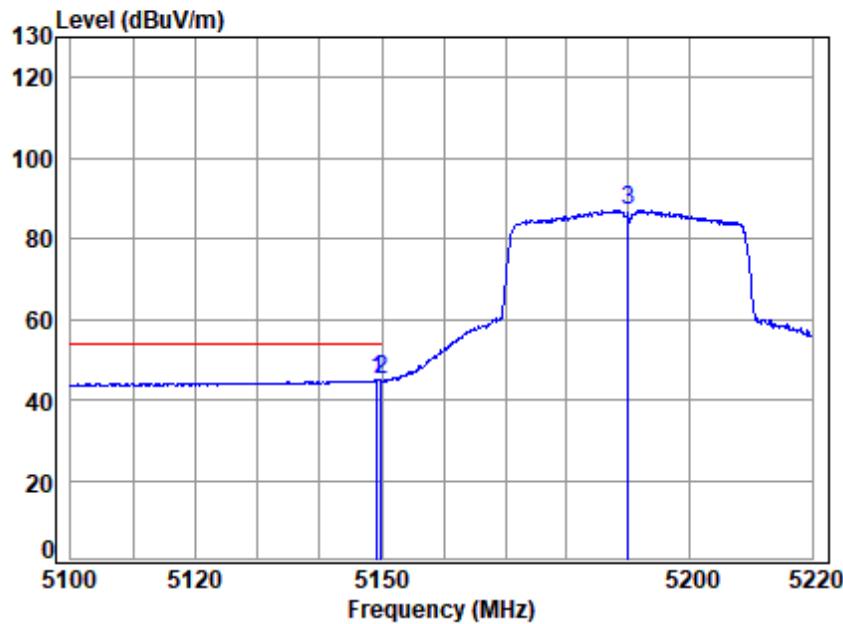
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5124.135	10.04	32.35	30.85	46.15	57.69	74.00 -16.31 peak
2	5149.980	10.14	32.40	30.84	46.32	58.02	74.00 -15.98 peak
3 pp	5190.000	10.29	32.48	30.82	89.42	101.37	68.20 33.17 peak



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



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5190 Band edge

: 5G Wi-Fi 11ax40

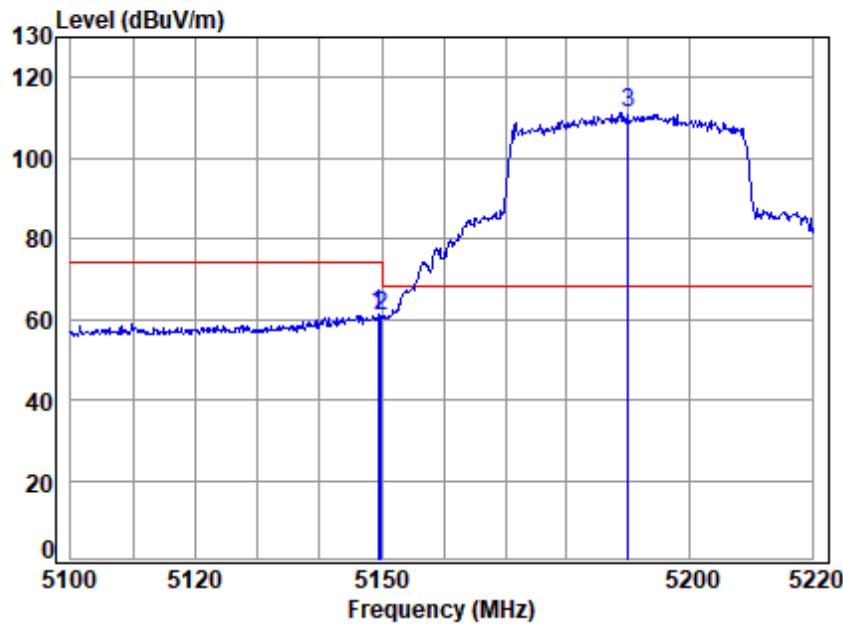
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dBuV/m	dB
1 pp	5149.222	10.14	32.40	30.84	33.26	44.96	54.00	-9.04 Average
2	5149.980	10.14	32.40	30.84	33.13	44.83	54.00	-9.17 Average
3	5190.000	10.29	32.48	30.82	75.17	87.12	-----	----- Average

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



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5190 Band edge

: 5G Wi-Fi 11ax40

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.461	10.14	32.40	30.84	49.65	61.35	74.00	-12.65 Peak
2	5149.980	10.14	32.40	30.84	49.06	60.76	74.00	-13.24 Peak
3 pp	5190.000	10.29	32.48	30.82	99.38	111.33	68.20	43.13 Peak

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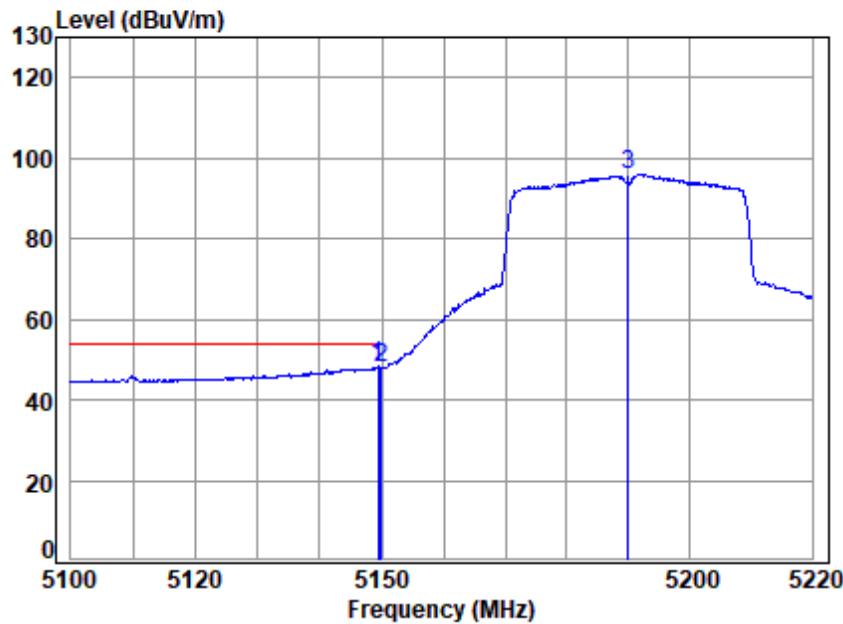
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5190 Band edge

: 5G Wi-Fi 11ax40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	dBuV			
1 pp	5149.461	10.14	32.40	30.84	36.51	48.21	54.00	-5.79 Average
2	5149.980	10.14	32.40	30.84	36.40	48.10	54.00	-5.90 Average
3	5190.000	10.29	32.48	30.82	84.04	95.99	-----	----- Average

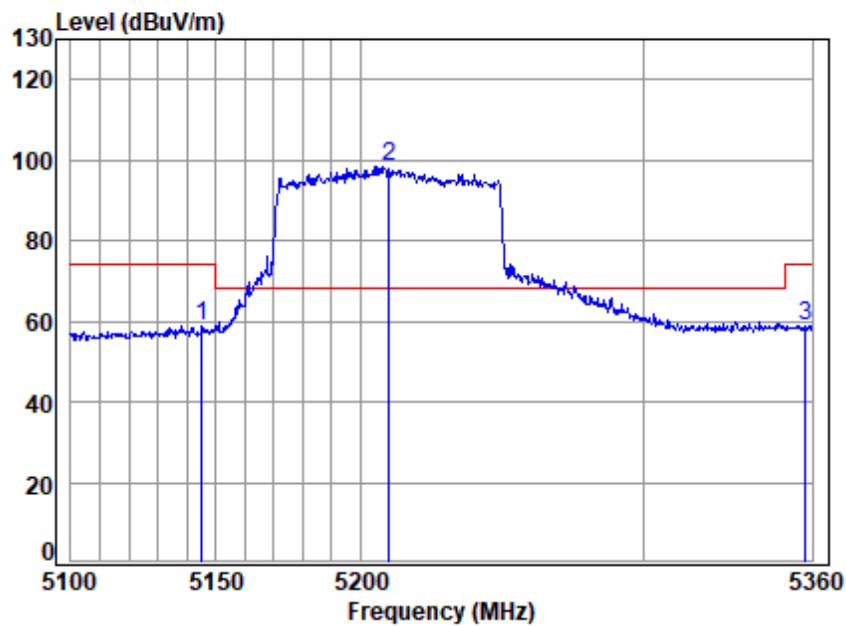
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5210 Band edge

: 5G Wi-Fi 11ax80

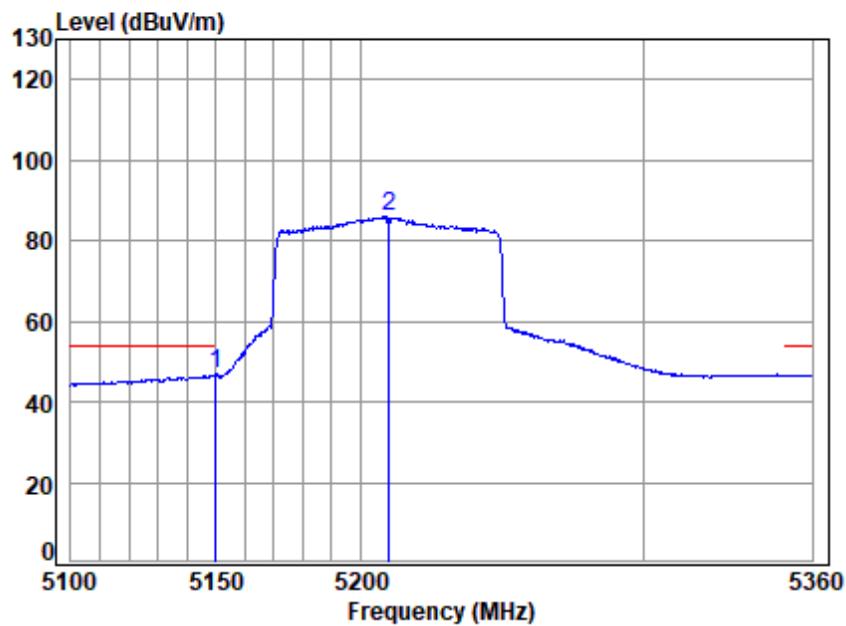
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5145.083	10.12	32.39	30.84	47.40	59.07	74.00 -14.93 peak
2 pp	5210.000	10.32	32.52	30.82	86.35	98.37	68.20 30.17 peak
3	5357.602	10.48	32.80	30.76	46.55	59.07	74.00 -14.93 peak



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



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5210 Band edge

: 5G Wi-Fi 11ax80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	dBuV			
1 pp	5149.690	10.14	32.40	30.84	35.32	47.02	54.00	-6.98 Average
2	5210.000	10.32	32.52	30.82	74.02	86.04	-----	----- Average
3	5360.000	10.48	32.80	30.76	34.18	46.70	54.00	-7.30 Average

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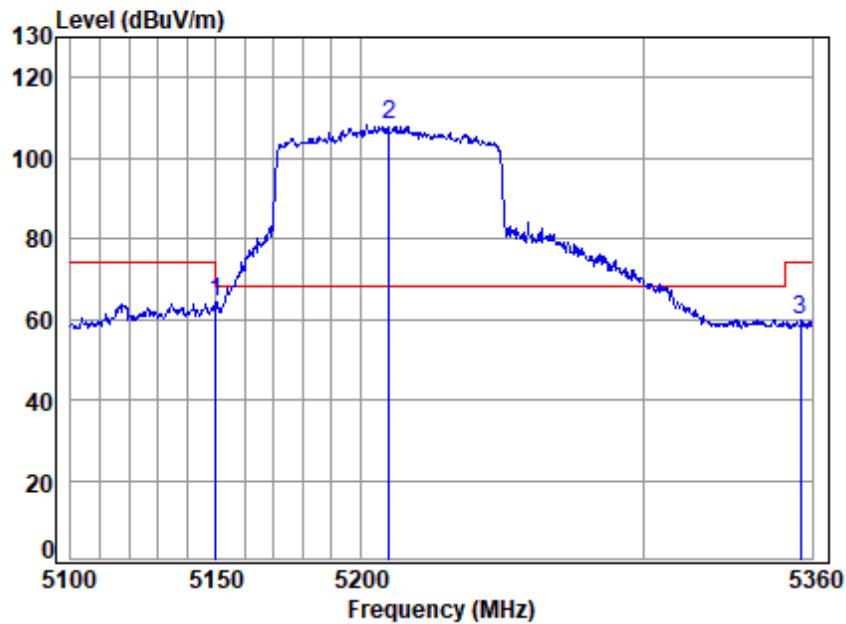
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5210 Band edge

: 5G Wi-Fi 11ax80

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5149.690	10.14	32.40	30.84	52.61	64.31	74.00 -9.69 Peak
2 pp	5210.000	10.32	32.52	30.82	96.01	108.03	68.20 39.83 Peak
3	5356.004	10.47	32.80	30.76	47.09	59.60	74.00 -14.40 Peak

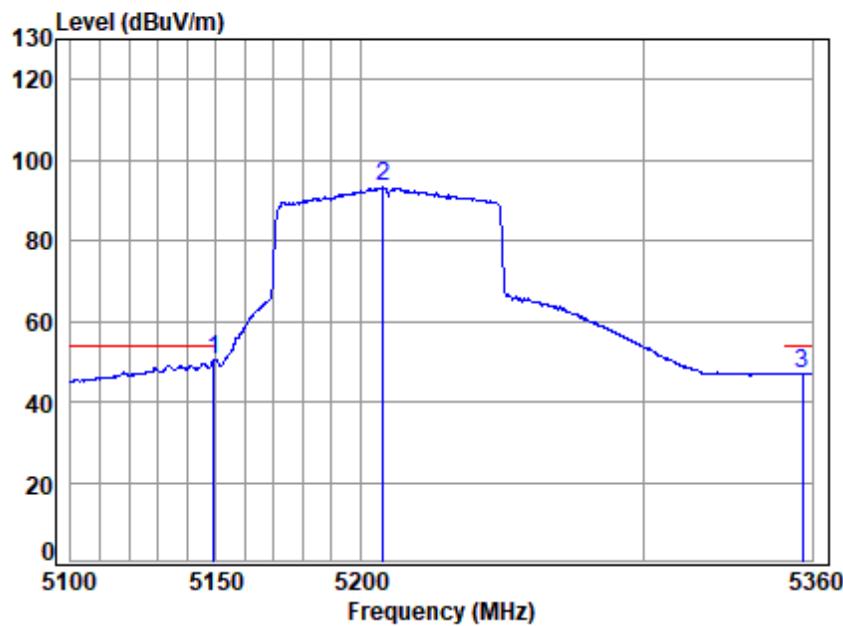
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5210 Band edge

: 5G Wi-Fi 11ax80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
1 pp	5149.178	10.14	32.40	30.84	38.79	50.49	54.00	-3.51 Average
2	5208.146	10.33	32.52	30.82	81.23	93.26	-----	----- Average
3	5356.537	10.47	32.80	30.76	34.64	47.15	54.00	-6.85 Average

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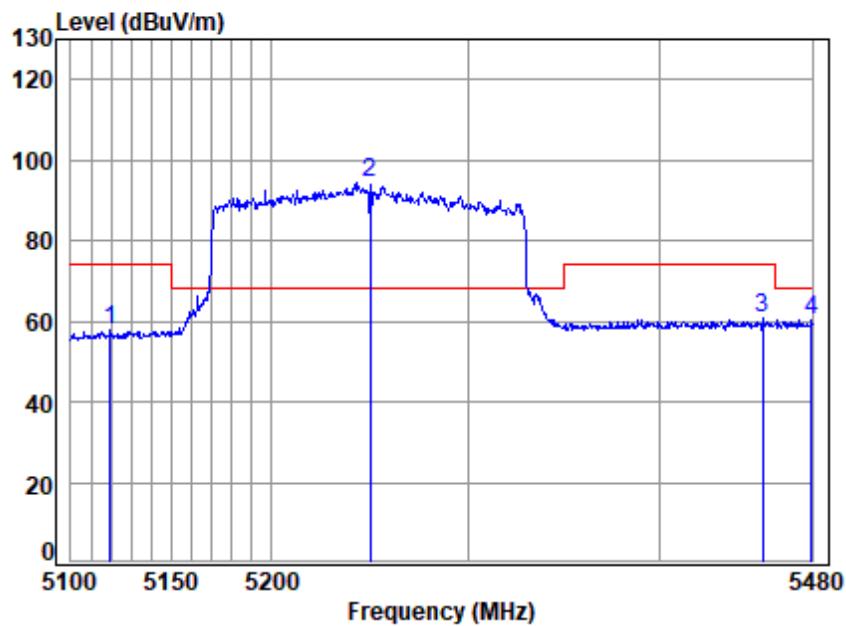
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Test Mode: 02; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



Condition: 3m HORIZONTAL
Job No : 01683TL/01684TL
Mode : 5250 Band edge
: 5G Wi-Fi 11ax160

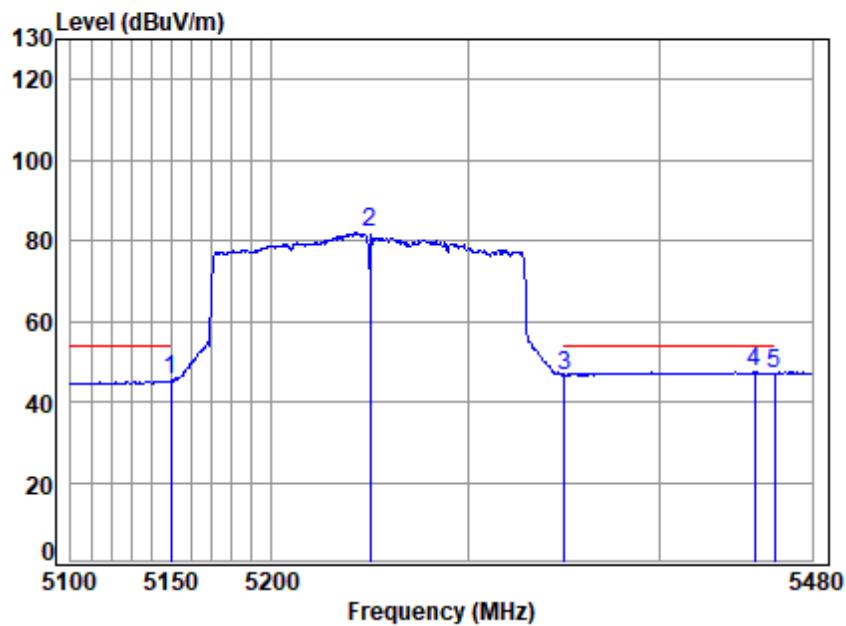
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	5119.462	10.02	32.34	30.85	46.16	57.67	74.00 -16.33 peak
2 pp	5250.000	10.31	32.60	30.80	82.15	94.26	68.20 26.06 peak
3	5454.069	10.60	32.90	30.72	48.22	61.00	74.00 -13.00 peak
4	5479.606	10.59	32.90	30.71	47.51	60.29	68.20 -7.91 peak

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



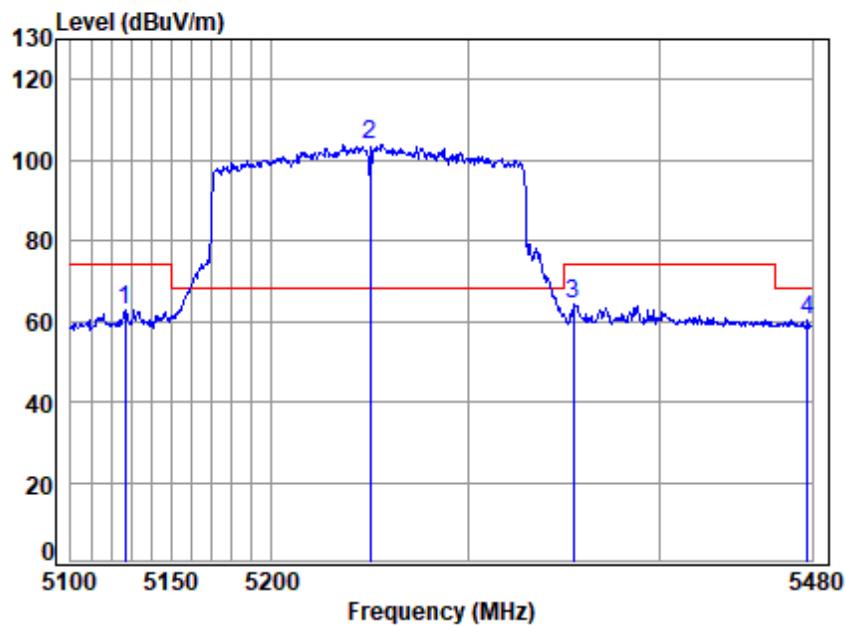
Condition: 3m HORIZONTAL
Job No : 01683TL/01684TL
Mode : 5250 Band edge
: 5G Wi-Fi 11ax160

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	5149.720	10.14	32.40	30.84	33.57	45.27	54.00 -8.73 Average
2	5250.000	10.31	32.60	30.80	69.97	82.08	----- ----- Average
3	5350.118	10.45	32.80	30.76	34.17	46.66	54.00 -7.34 Average
4 pp	5449.760	10.60	32.90	30.72	34.62	47.40	54.00 -6.60 Average
5	5459.929	10.60	32.90	30.72	34.36	47.14	54.00 -6.86 Average

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



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5250 Band edge

: 5G Wi-Fi 11ax160

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5127.194	10.05	32.35	30.85	51.22	62.77	74.00
2 pp	5250.000	10.31	32.60	30.80	91.84	103.95	68.20
3	5354.646	10.47	32.80	30.76	51.56	64.07	74.00
4	5477.638	10.59	32.90	30.71	47.64	60.42	68.20
							-11.23 peak
							35.75 peak
							-9.93 peak
							-7.78 peak

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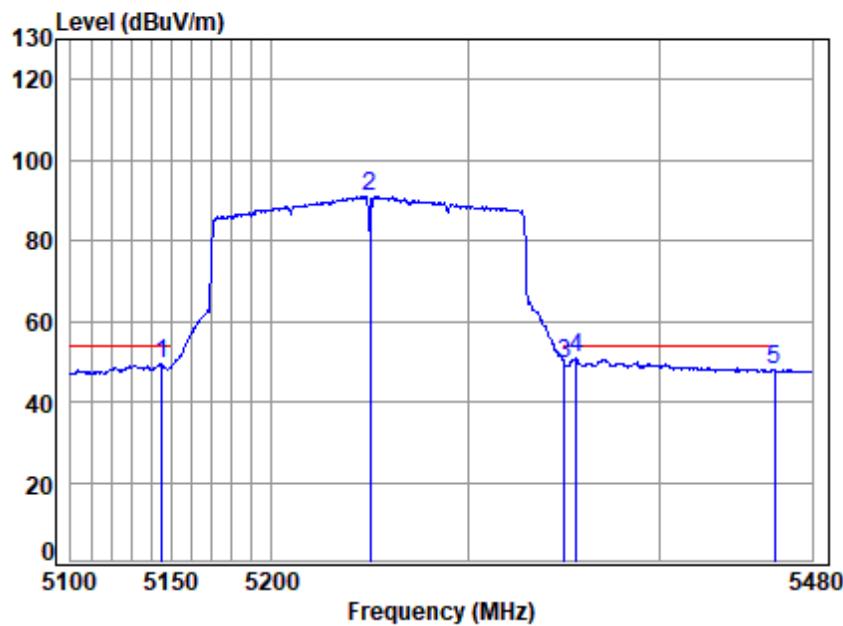
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Test Mode: 02; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

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

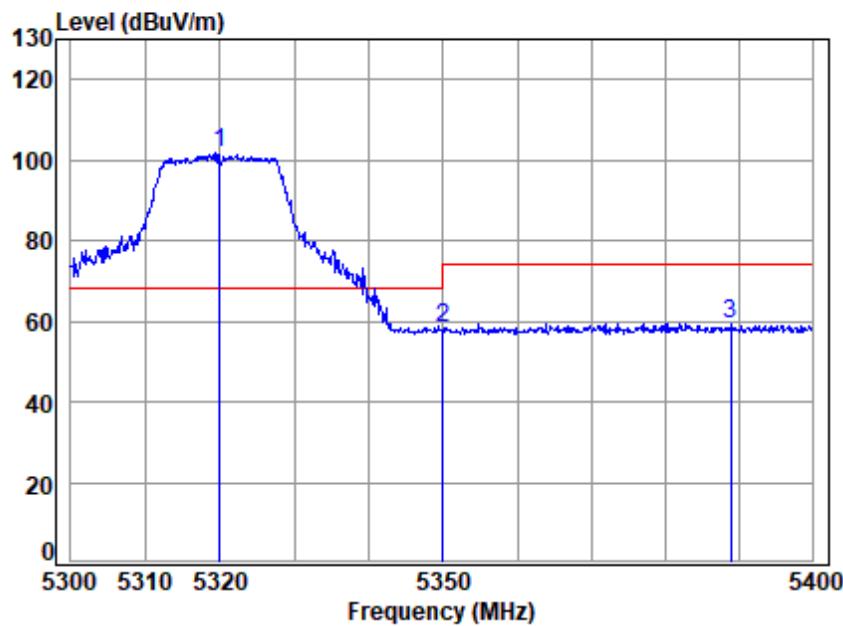
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level				
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5145.280	10.12	32.39	30.84	37.65	49.32	54.00	-4.68 Average
2	5250.000	10.31	32.60	30.80	78.77	90.88	-----	----- Average
3	5350.118	10.45	32.80	30.76	36.90	49.39	54.00	-4.61 Average
4 pp	5356.186	10.47	32.80	30.76	38.17	50.68	54.00	-3.32 Average
5	5459.929	10.60	32.90	30.72	34.95	47.73	54.00	-6.27 Average

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



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

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

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Level	Level	Line		
1 pp	5320.000	10.35	32.74	30.77	89.27	101.59	68.20	33.39 peak
2	5350.020	10.45	32.80	30.76	45.72	58.21	74.00	-15.79 peak
3	5389.009	10.58	32.80	30.74	46.82	59.46	74.00	-14.54 peak

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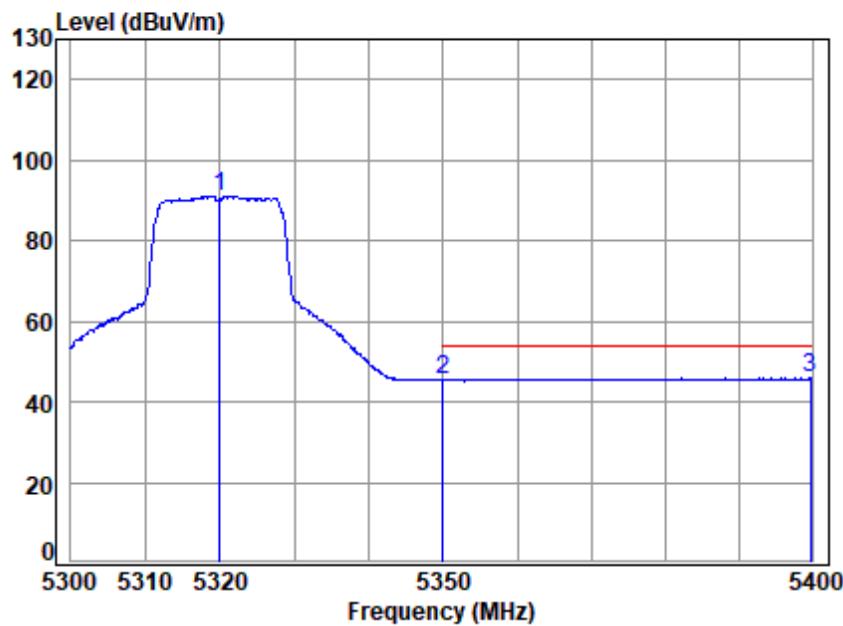
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

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

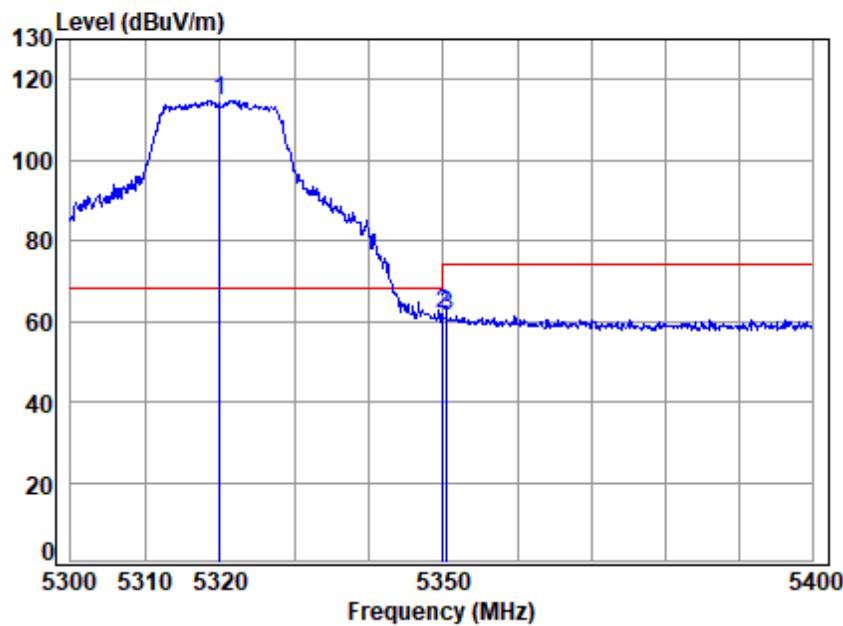
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5320.000	10.35	32.74	30.77	78.85	91.17	----- Average
2	5350.020	10.45	32.80	30.76	33.05	45.54	54.00 -8.46 Average
3 pp	5399.798	10.62	32.80	30.74	33.17	45.85	54.00 -8.15 Average



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



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

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

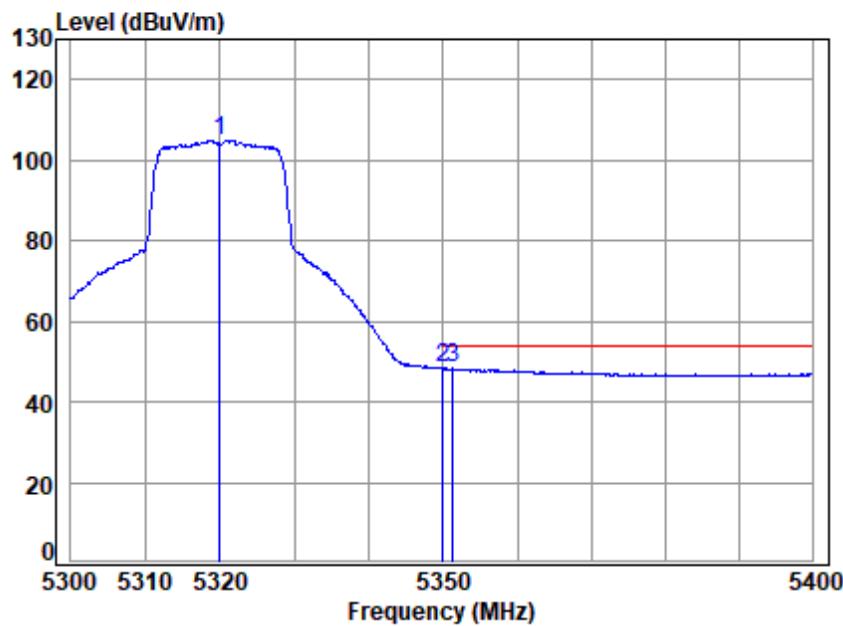
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Level	Level	Line		
1 pp	5320.000	10.35	32.74	30.77	102.46	114.78	68.20	46.58 Peak
2	5350.020	10.45	32.80	30.76	49.08	61.57	74.00	-12.43 Peak
3	5350.566	10.45	32.80	30.76	48.98	61.47	74.00	-12.53 Peak



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



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

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

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5320.000	10.35	32.74	30.77	92.65	104.97	Average
2 pp	5350.020	10.45	32.80	30.76	36.01	48.50	54.00 -5.50 Average
3	5351.267	10.45	32.80	30.76	35.99	48.48	54.00 -5.52 Average

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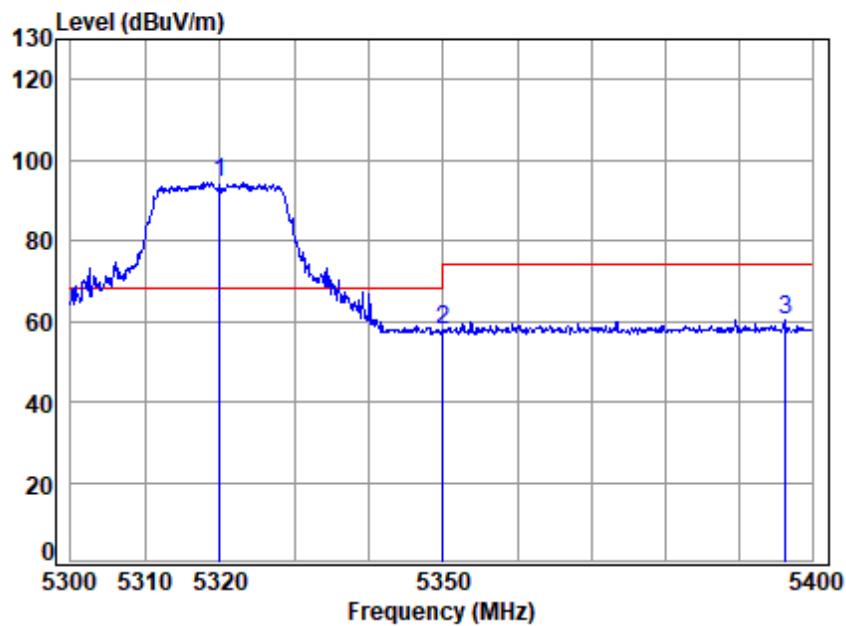
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

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

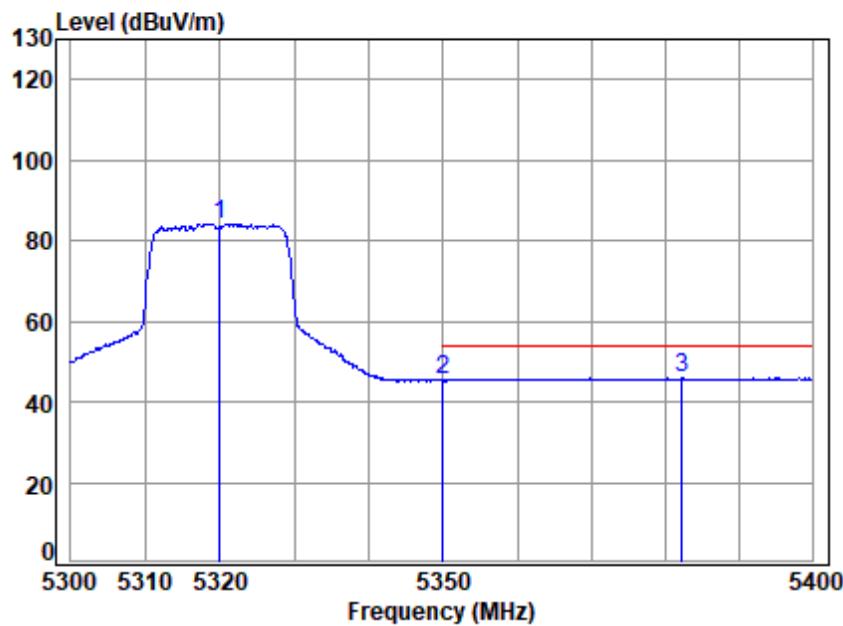
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	Level			
1 pp	5320.000	10.35	32.74	30.77	82.14	94.46	68.20	26.26 peak
2	5350.020	10.45	32.80	30.76	45.56	58.05	74.00	-15.95 peak
3	5396.368	10.61	32.80	30.74	47.42	60.09	74.00	-13.91 peak



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



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

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

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5320.000	10.35	32.74	30.77	71.93	84.25	----- Average
2	5350.020	10.45	32.80	30.76	32.91	45.40	54.00 -8.60 Average
3 pp	5382.264	10.56	32.80	30.75	33.19	45.80	54.00 -8.20 Average

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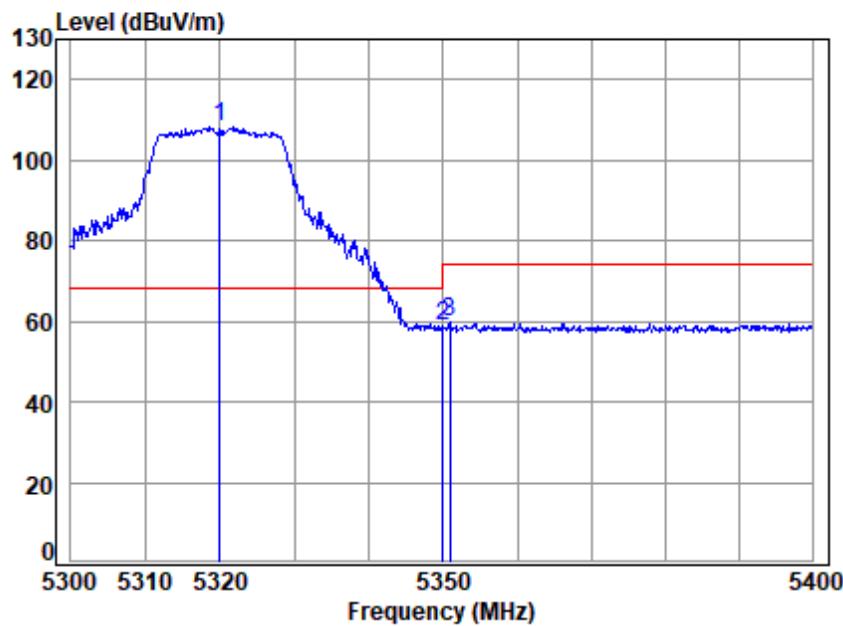
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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

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

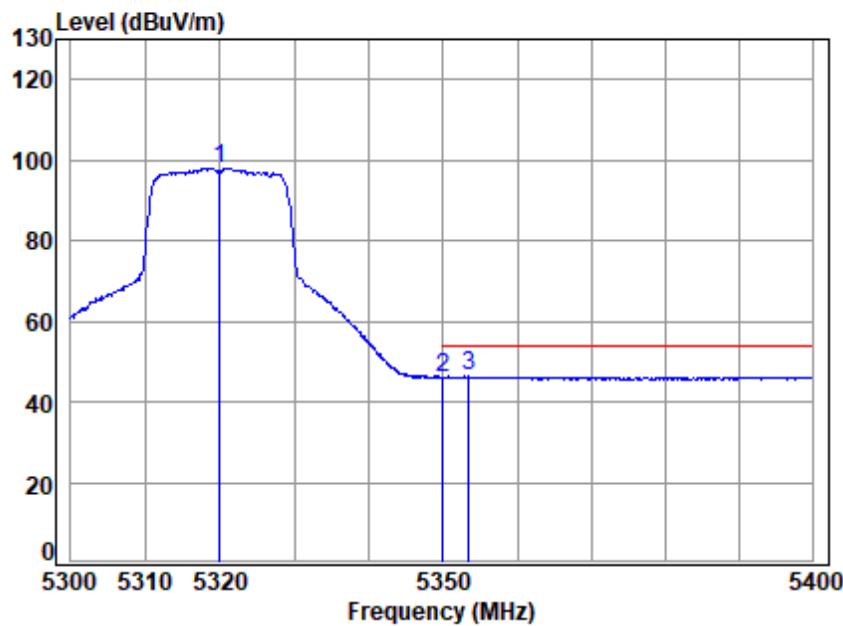
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5320.000	10.35	32.74	30.77	95.93	108.25	68.20	40.05 Peak
2	5350.020	10.45	32.80	30.76	46.52	59.01	74.00	-14.99 Peak
3	5350.866	10.45	32.80	30.76	47.34	59.83	74.00	-14.17 Peak



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



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

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

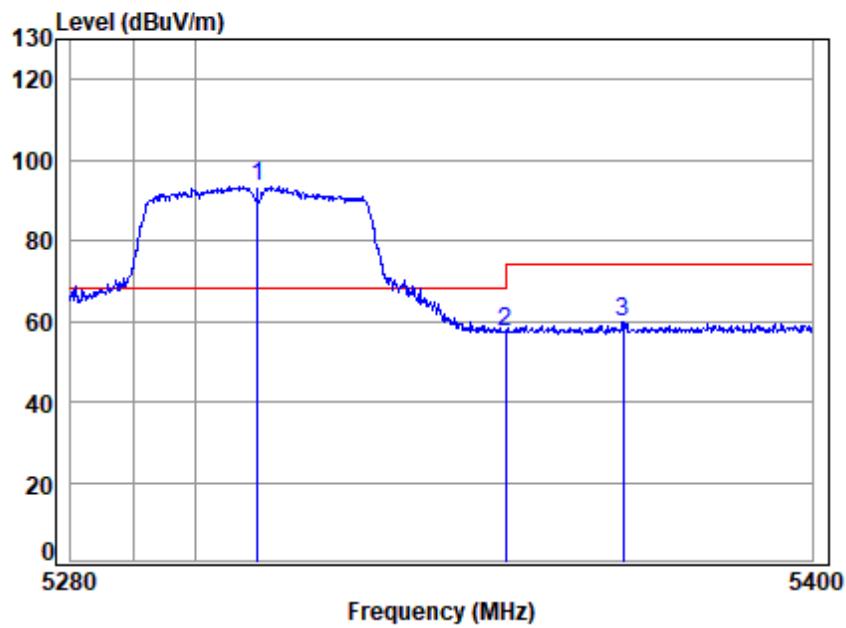
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	
1	5320.000	10.35	32.74	30.77	85.78	98.10	----- Average
2	5350.020	10.45	32.80	30.76	33.70	46.19	54.00 -7.81 Average
3 pp	5353.468	10.46	32.80	30.76	33.86	46.36	54.00 -7.64 Average



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



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5310 Band edge

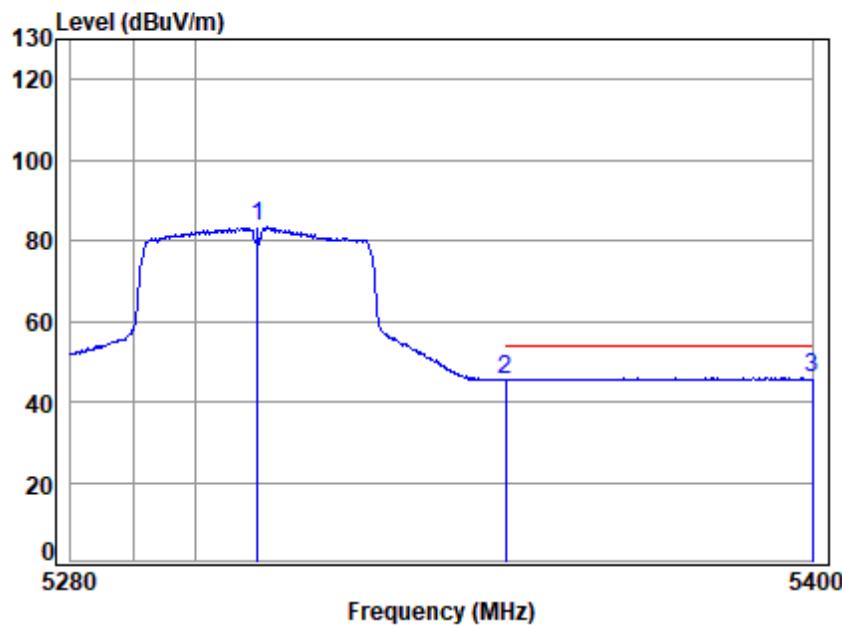
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1 pp	5310.000	10.31	32.72	30.78	81.17	93.42	68.20 25.22 peak
2	5350.020	10.45	32.80	30.76	45.01	57.50	74.00 -16.50 peak
3	5369.144	10.52	32.80	30.75	47.21	59.78	74.00 -14.22 peak



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



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

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

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5310.000	10.31	32.72	30.78	71.14	83.39	----- Average
2	5350.020	10.45	32.80	30.76	32.92	45.41	54.00 -8.59 Average
3 pp	5400.000	10.62	32.80	30.74	33.17	45.85	54.00 -8.15 Average

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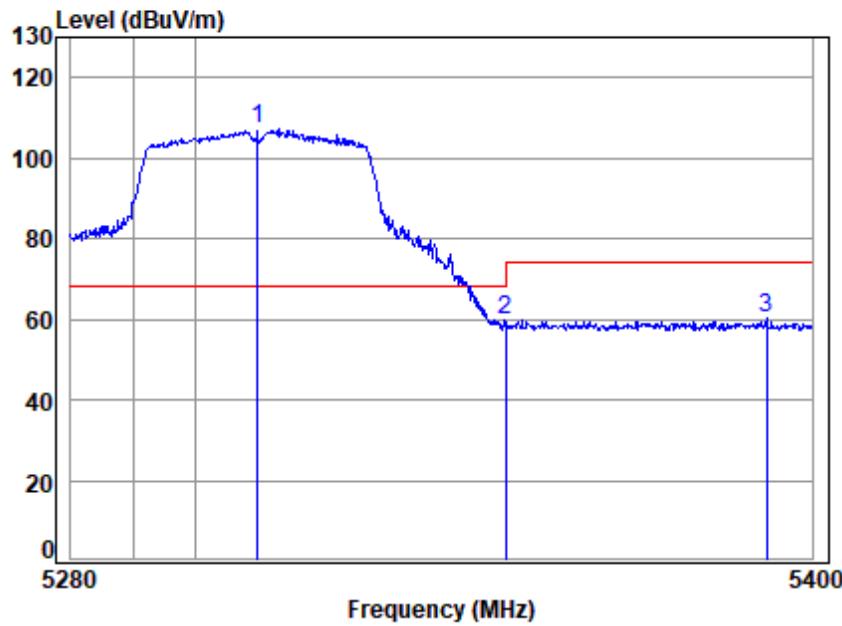
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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

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

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level	Level	Line		
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5310.000	10.31	32.72	30.78	94.80	107.05	68.20	38.85 Peak
2	5350.020	10.45	32.80	30.76	47.21	59.70	74.00	-14.30 Peak
3	5392.603	10.59	32.80	30.74	47.43	60.08	74.00	-13.92 Peak

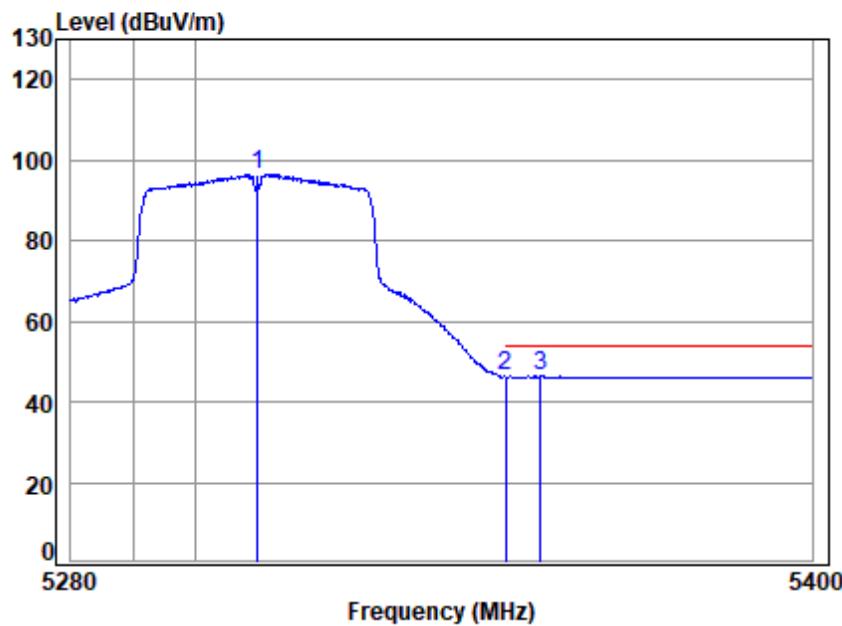
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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01683TL/01684TL
Mode : 5310 Band edge
: 5G Wi-Fi 11n40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5310.000	10.31	32.72	30.78	84.32	96.57	----- Average
2	5350.020	10.45	32.80	30.76	33.79	46.28	54.00 -7.72 Average
3 pp	5355.767	10.47	32.80	30.76	33.93	46.44	54.00 -7.56 Average



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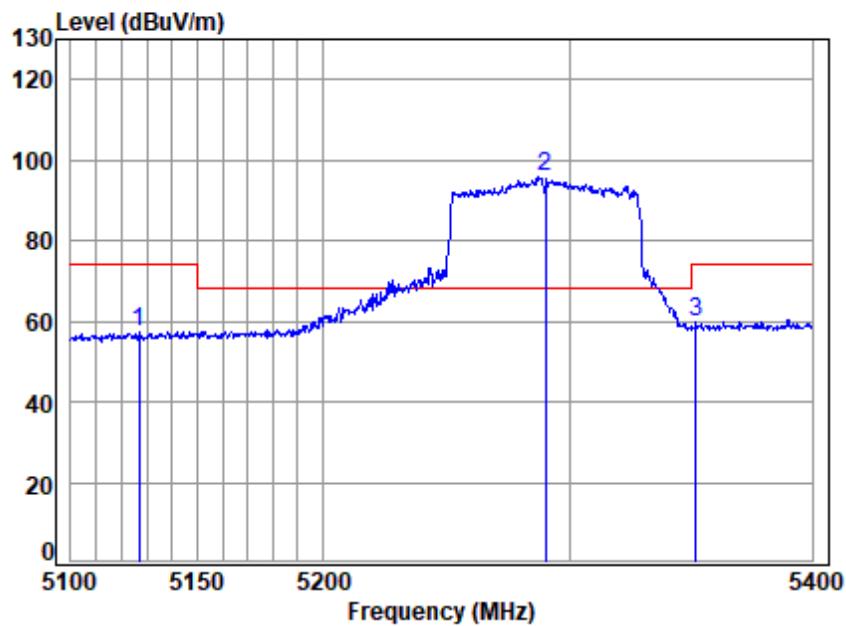
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5290 Band edge

: 5G Wi-Fi 11ac80

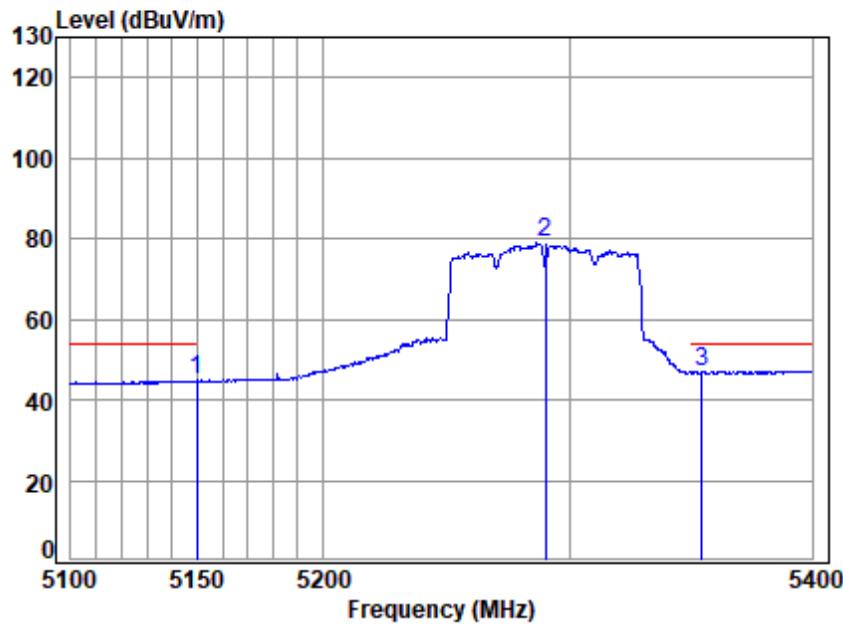
Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5126.889	10.05	32.35	30.85	45.81	57.36	74.00	-16.64 peak
2 pp	5290.000	10.28	32.68	30.78	83.49	95.67	68.20	27.47 peak
3	5351.758	10.46	32.80	30.76	47.15	59.65	74.00	-14.35 peak



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



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

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

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.798	10.14	32.40	30.84	33.06	44.76	54.00 -9.24 Average
2	5290.000	10.28	32.68	30.78	66.71	78.89	----- ----- Average
3 pp	5354.512	10.47	32.80	30.76	34.60	47.11	54.00 -6.89 Average

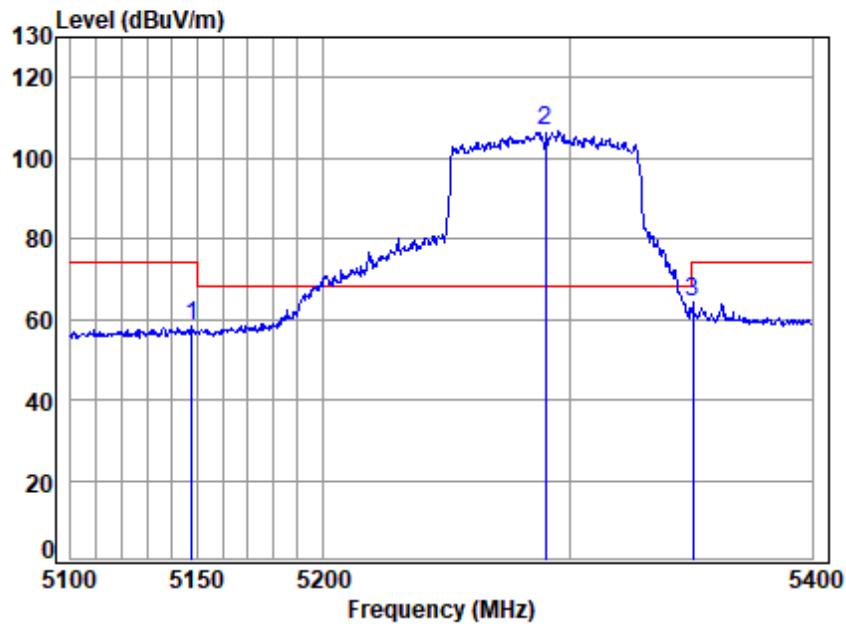
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

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

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5147.738	10.13	32.40	30.84	46.62	58.31	74.00	-15.69 Peak
2 pp	5290.000	10.28	32.68	30.78	94.36	106.54	68.20	38.34 Peak
3	5350.535	10.45	32.80	30.76	51.86	64.35	74.00	-9.65 Peak

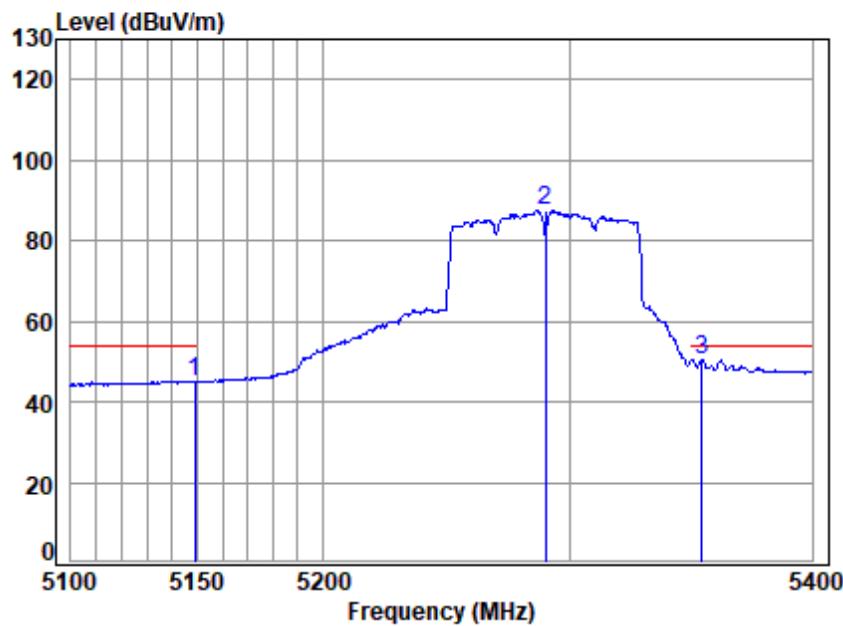
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

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

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.209	10.14	32.40	30.84	33.52	45.22	54.00	-8.78	Average
2	5290.000	10.28	32.68	30.78	75.35	87.53	-----	-----	Average
3 pp	5354.512	10.47	32.80	30.76	38.13	50.64	54.00	-3.36	Average

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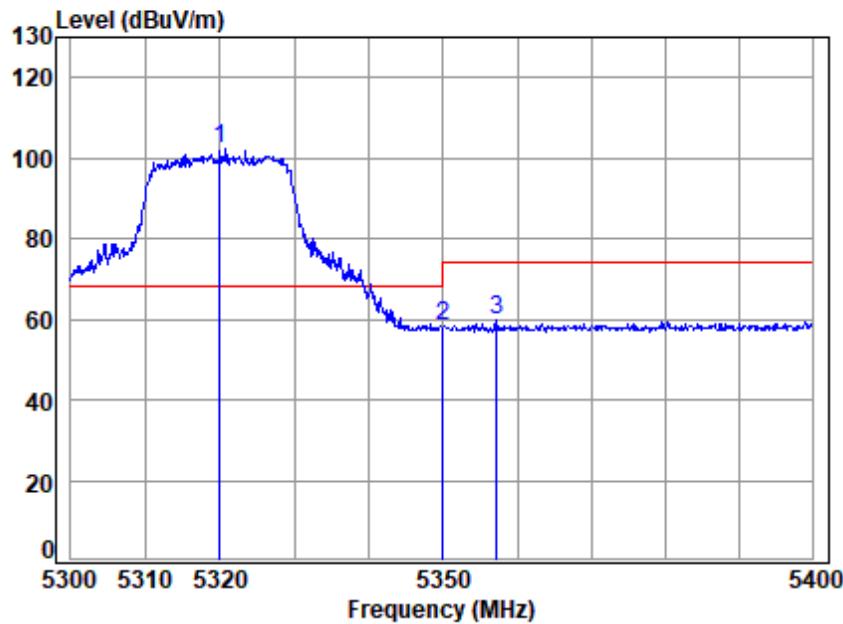
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5320 Band edge

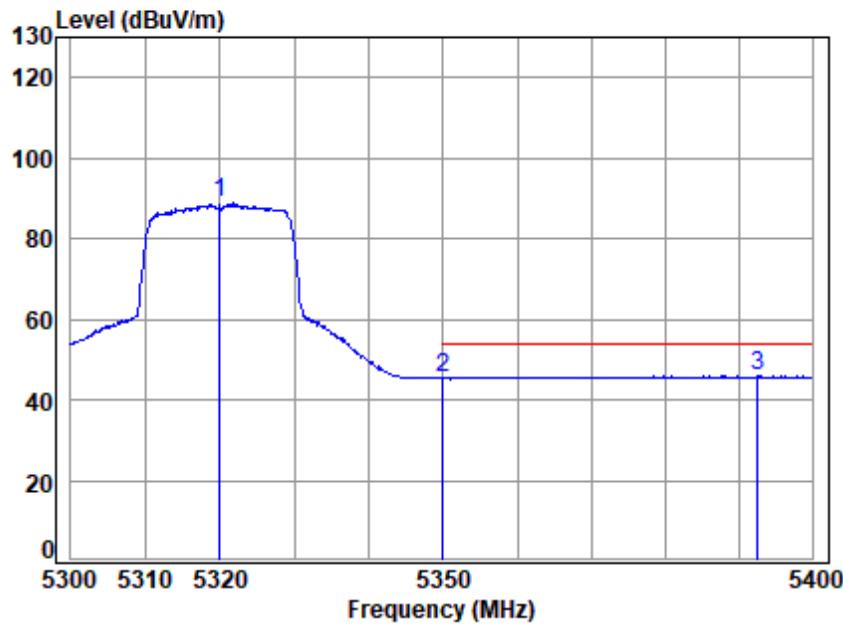
: 5G Wi-Fi 11ax20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	dBuV			
1 pp	5320.000	10.35	32.74	30.77	90.21	102.53	68.20	34.33 peak
2	5350.020	10.45	32.80	30.76	45.73	58.22	74.00	-15.78 peak
3	5357.271	10.47	32.80	30.76	47.10	59.61	74.00	-14.39 peak

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



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

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

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	10.35	32.74	30.77	76.46	88.78	-----	-----	Average
2	5350.020	10.45	32.80	30.76	32.90	45.39	54.00	-8.61	Average
3 pp	5392.536	10.59	32.80	30.74	33.23	45.88	54.00	-8.12	Average

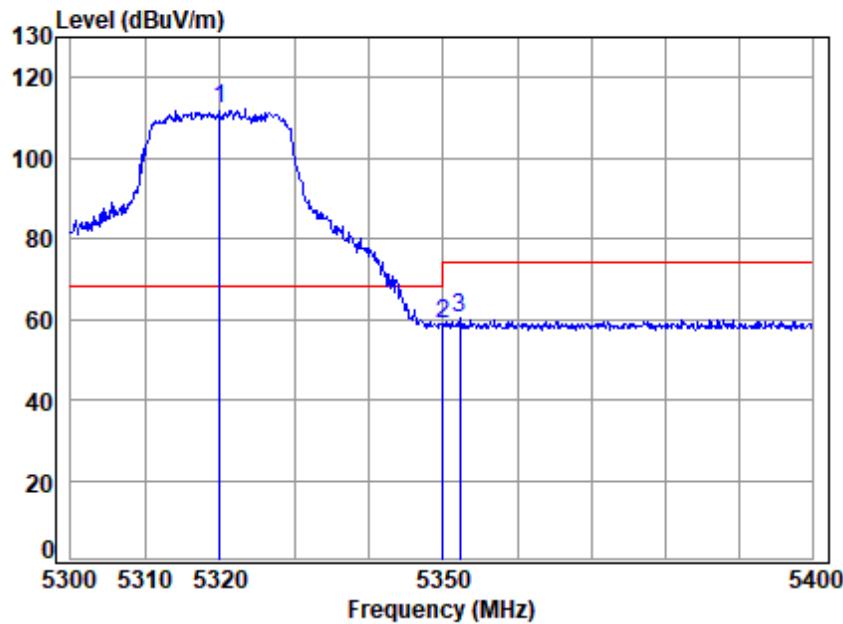
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

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

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
		Loss	Factor	Factor	Level	Level	Line		
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	5320.000	10.35	32.74	30.77	99.79	112.11	68.20	43.91 Peak
2		5350.020	10.45	32.80	30.76	46.52	59.01	74.00	-14.99 Peak
3		5352.267	10.46	32.80	30.76	47.70	60.20	74.00	-13.80 Peak

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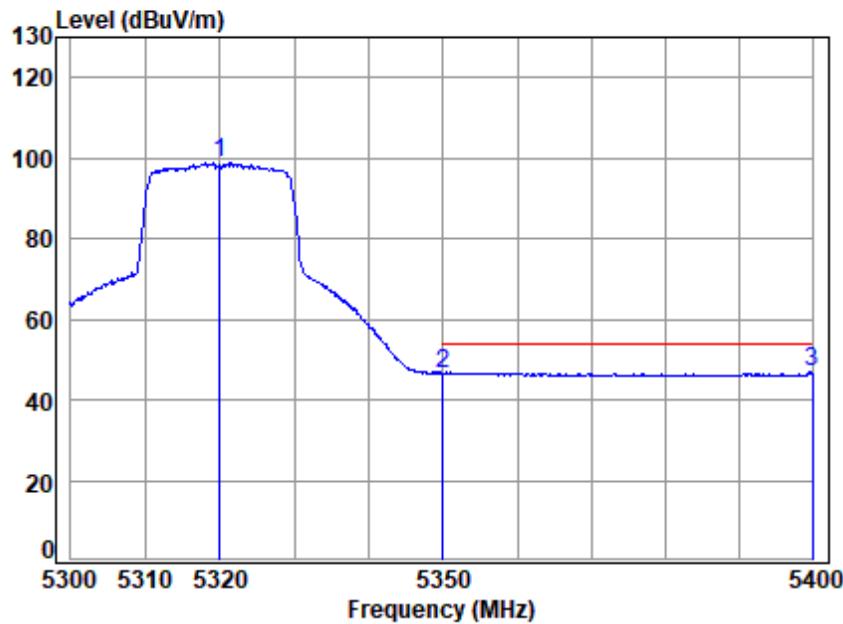
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

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

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m		dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	10.35	32.74	30.77	86.47	98.79	-----	-----	Average
2	5350.020	10.45	32.80	30.76	34.14	46.63	54.00	-7.37	Average
3 pp	5400.000	10.62	32.80	30.74	34.35	47.03	54.00	-6.97	Average

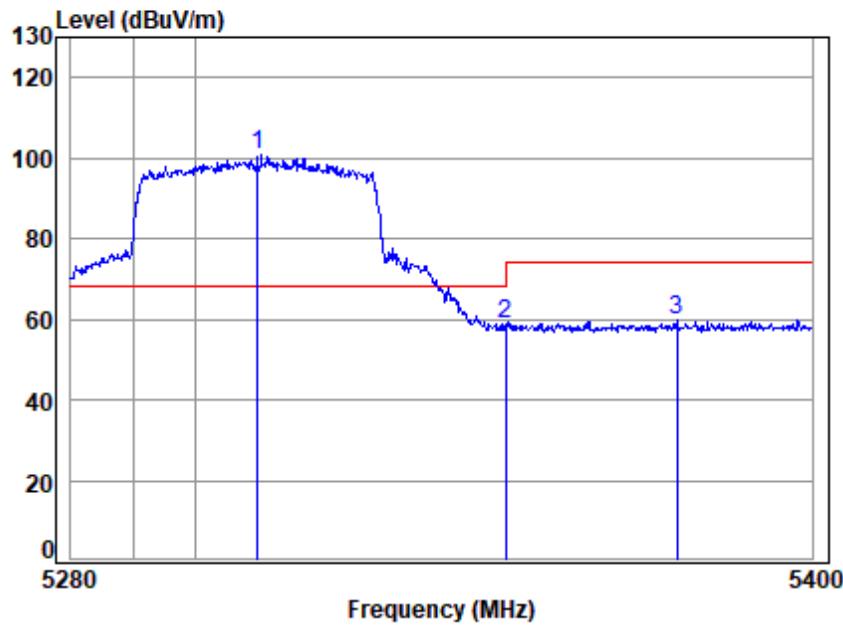
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

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

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Level	Level	Line		
1 pp	5310.000	10.31	32.72	30.78	88.46	100.71	68.20	32.51 peak
2	5350.020	10.45	32.80	30.76	46.53	59.02	74.00	-14.98 peak
3	5377.959	10.55	32.80	30.75	47.05	59.65	74.00	-14.35 peak

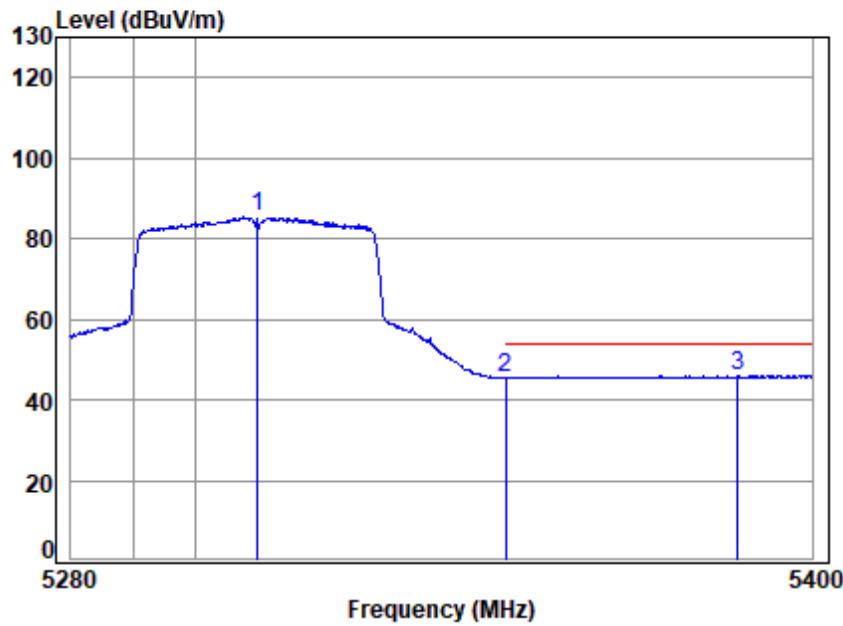
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

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

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5310.000	10.31	32.72	30.78	73.04	85.29	-----	Average
2	5350.020	10.45	32.80	30.76	33.14	45.63	54.00	-8.37 Average
3 pp	5387.878	10.58	32.80	30.74	33.29	45.93	54.00	-8.07 Average

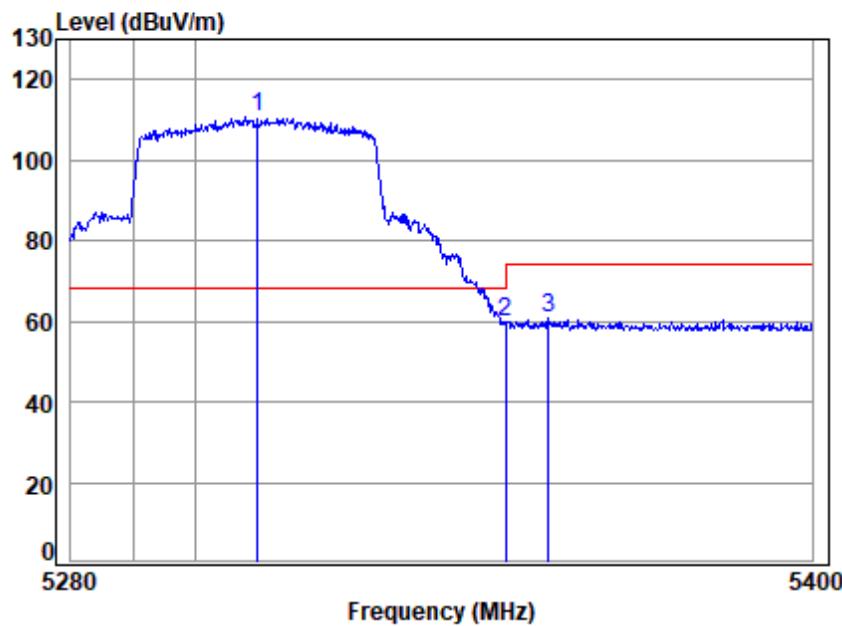
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5310 Band edge

: 5G Wi-Fi 11ax40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Level	Level	Line		
1 pp	5310.000	10.31	32.72	30.78	98.60	110.85	68.20	42.65 Peak
2	5350.020	10.45	32.80	30.76	47.23	59.72	74.00	-14.28 Peak
3	5357.091	10.47	32.80	30.76	48.13	60.64	74.00	-13.36 Peak

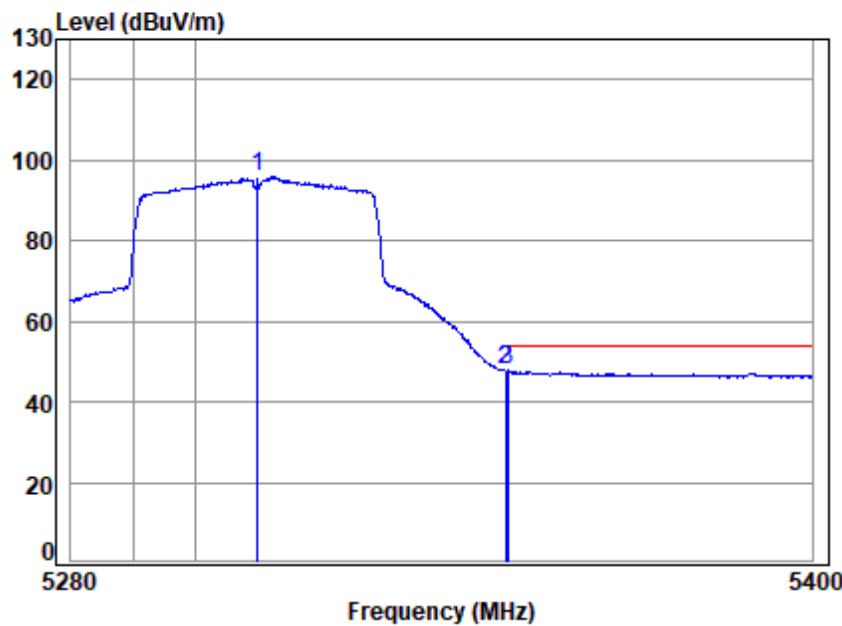
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01683TL/01684TL
Mode : 5310 Band edge
: 5G Wi-Fi 11ax40

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Freq	Loss	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5310.000	10.31	32.72	30.78	83.52	95.77	-----	Average
2 pp	5350.020	10.45	32.80	30.76	35.31	47.80	54.00	-6.20 Average
3	5350.474	10.45	32.80	30.76	35.22	47.71	54.00	-6.29 Average

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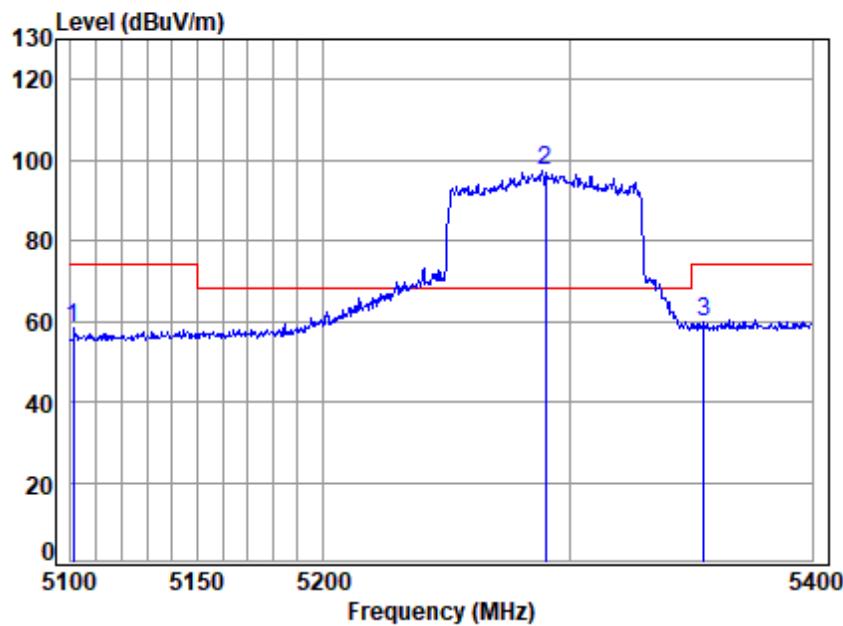
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5290 Band edge

: 5G Wi-Fi 11ax80

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	MHz	Loss	Factor	Factor	Level	Level	Line	
1	5101.166	9.95	32.30	30.86	46.83	58.22	74.00	-15.78 peak
2 pp	5290.000	10.28	32.68	30.78	85.24	97.42	68.20	29.22 peak
3	5355.124	10.47	32.80	30.76	47.16	59.67	74.00	-14.33 peak

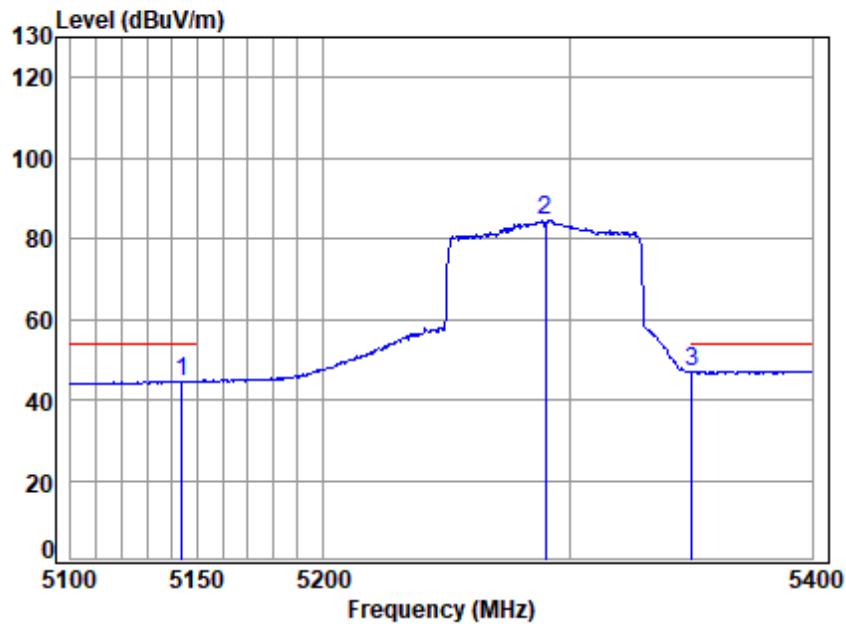
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

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

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level				
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5143.914	10.12	32.39	30.84	33.05	44.72	54.00	-9.28 Average
2	5290.000	10.28	32.68	30.78	72.24	84.42	-----	----- Average
3 pp	5350.229	10.45	32.80	30.76	34.66	47.15	54.00	-6.85 Average

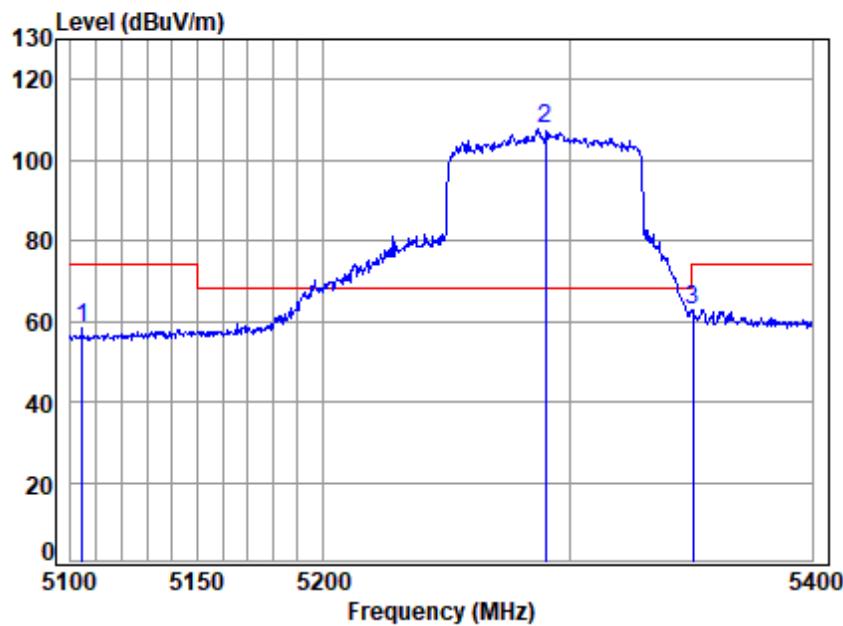
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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5290 Band edge

: 5G Wi-Fi 11ax80

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5104.375	9.97	32.31	30.86	46.68	58.10	74.00	-15.90 Peak
2 pp	5290.000	10.28	32.68	30.78	95.61	107.79	68.20	39.59 Peak
3	5350.535	10.45	32.80	30.76	50.53	63.02	74.00	-10.98 Peak

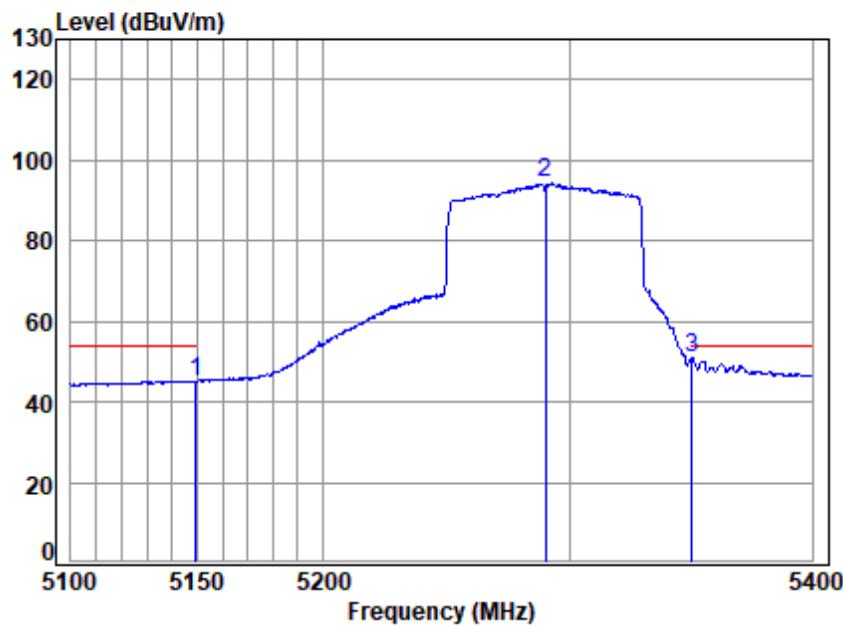


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Test Mode: 03; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

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

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5149.503	10.14	32.40	30.84	33.49	45.19	54.00	-8.81 Average
2	5290.000	10.28	32.68	30.78	82.01	94.19	-----	----- Average
3 pp	5350.229	10.45	32.80	30.76	38.33	50.82	54.00	-3.18 Average

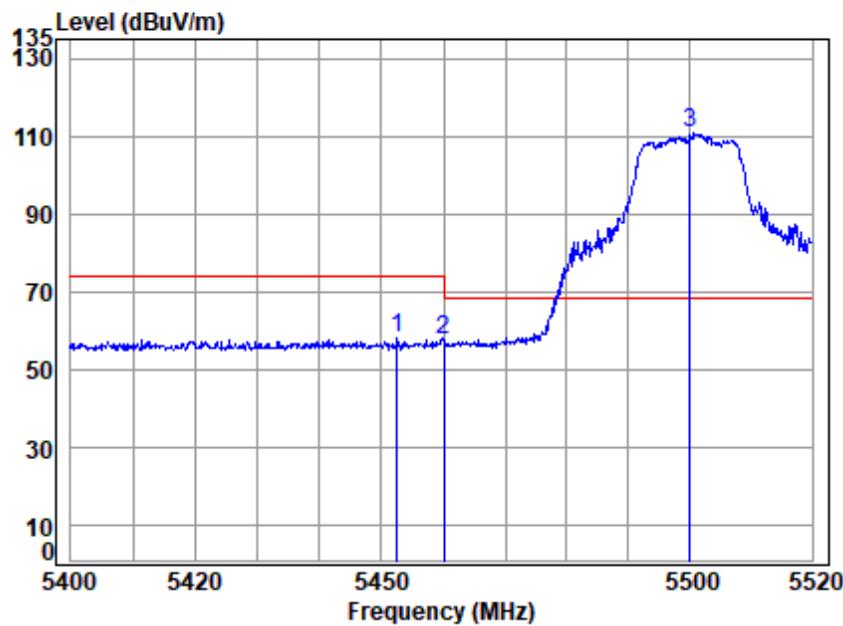
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

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

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5452.475	10.60	32.90	30.72	45.16	57.94	74.00	-16.06 peak
2	5460.030	10.60	32.90	30.72	44.82	57.60	68.20	-10.60 peak
3 pp	5500.000	10.58	32.90	30.70	97.84	110.62	68.20	42.42 peak

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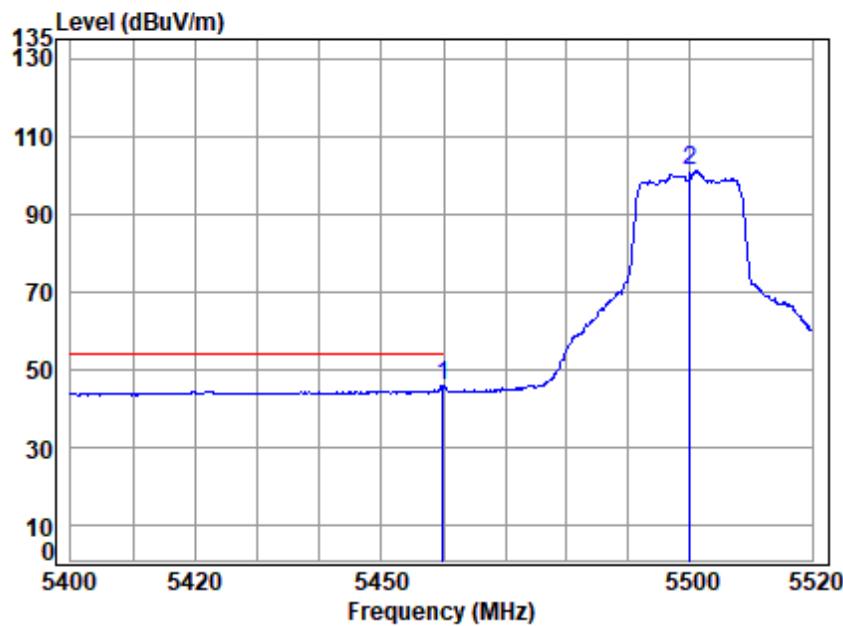
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

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

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	dBuV			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5459.910	10.60	32.90	30.72	32.84	45.62	54.00	-8.38 Average
2	5500.000	10.58	32.90	30.70	88.13	100.91	-----	----- Average

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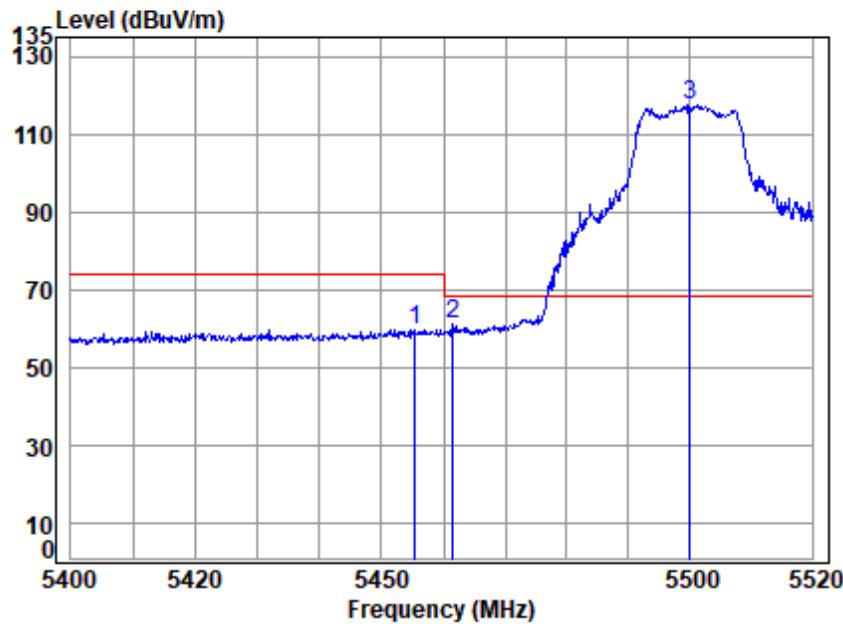
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Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

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

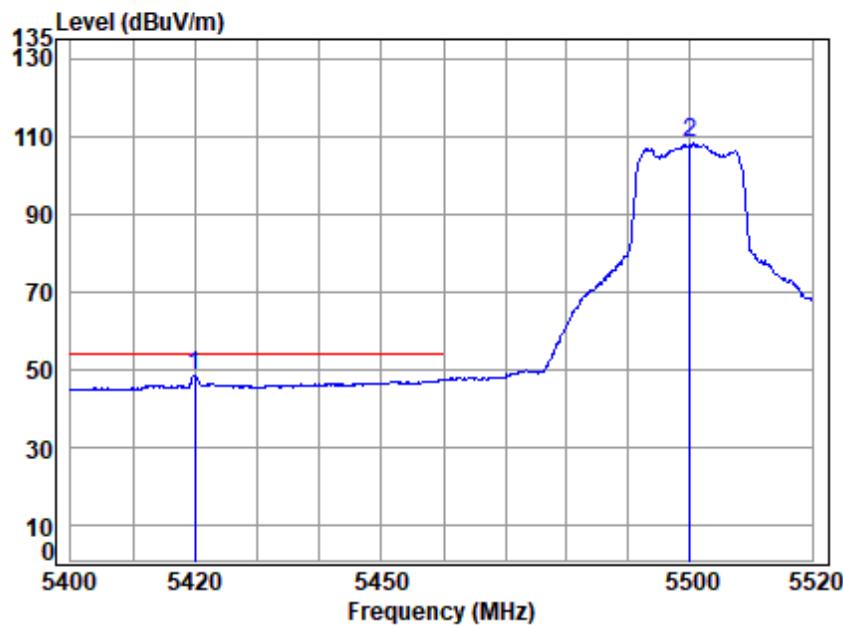
Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5455.352	10.60	32.90	30.72	46.72	59.50	74.00	-14.50 Peak
2	5461.591	10.60	32.90	30.72	48.10	60.88	68.20	-7.32 peak
3 pp	5500.000	10.58	32.90	30.70	104.83	117.61	68.20	49.41 Peak

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Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01683TL/01684TL
Mode : 5500 Band edge
: 5G Wi-Fi 11a

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	dBuV			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5419.857	10.61	32.84	30.73	35.78	48.50	54.00	-5.50 Average
2	5500.000	10.58	32.90	30.70	95.58	108.36	-----	----- Average



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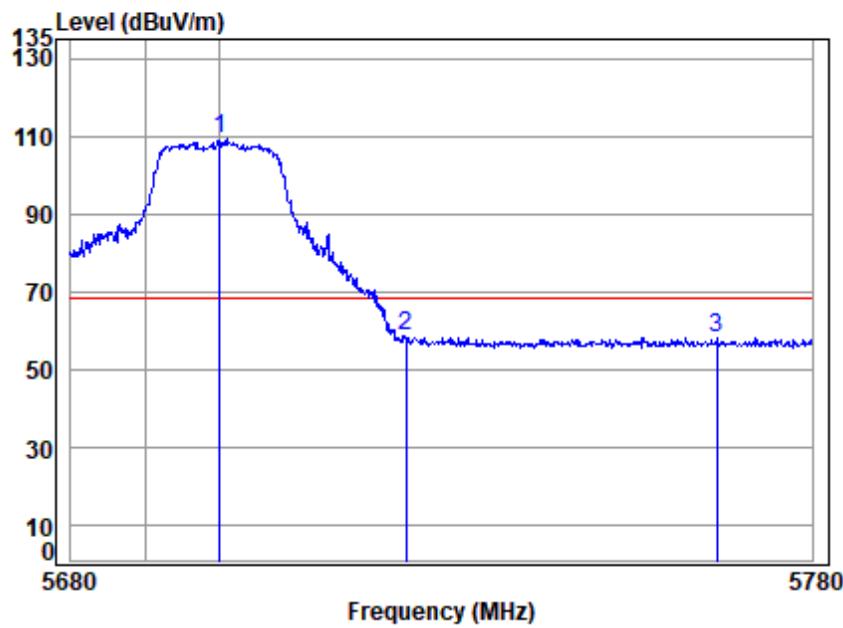
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

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

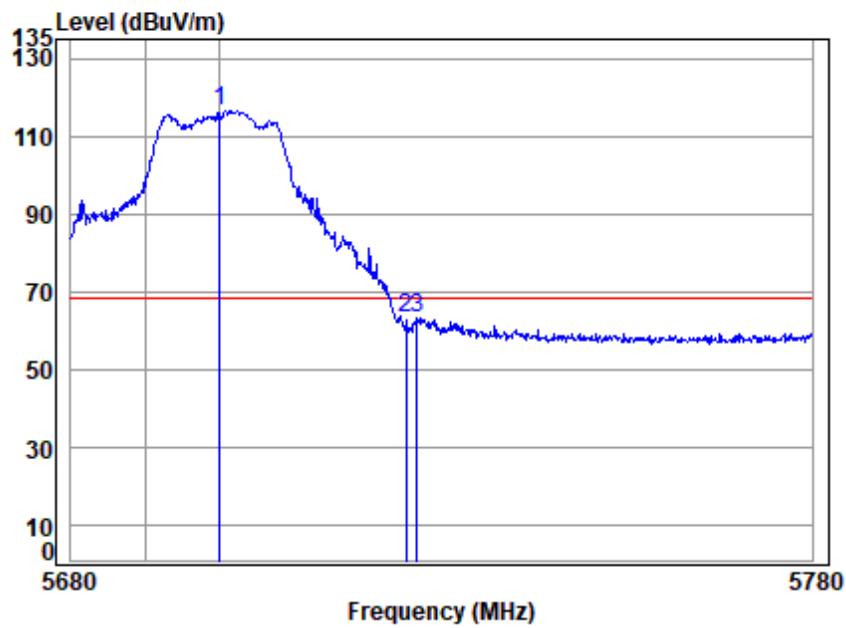
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Level	Level	Line		
1 pp	5700.000	10.56	33.20	30.62	95.94	109.08	68.20	40.88 peak
2	5725.000	10.68	33.25	30.61	45.35	58.67	68.20	-9.53 peak
3	5767.002	10.87	33.33	30.59	44.60	58.21	68.20	-9.99 peak

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Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

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

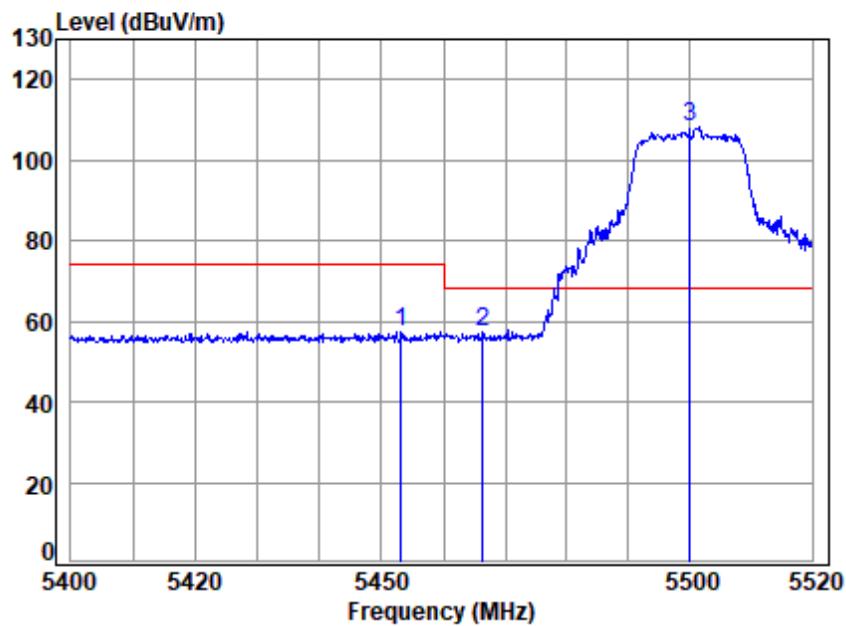
Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5700.000	10.56	33.20	30.62	103.44	116.58	68.20	48.38 Peak
2	5725.000	10.68	33.25	30.61	49.88	63.20	68.20	-5.00 Peak
3	5726.483	10.68	33.25	30.61	49.88	63.20	68.20	-5.00 Peak



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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

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

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5453.194	10.60	32.90	30.72	44.53	57.31	74.00 -16.69 peak
2	5466.395	10.59	32.90	30.71	44.72	57.50	68.20 -10.70 peak
3 pp	5500.000	10.58	32.90	30.70	95.42	108.20	68.20 40.00 peak

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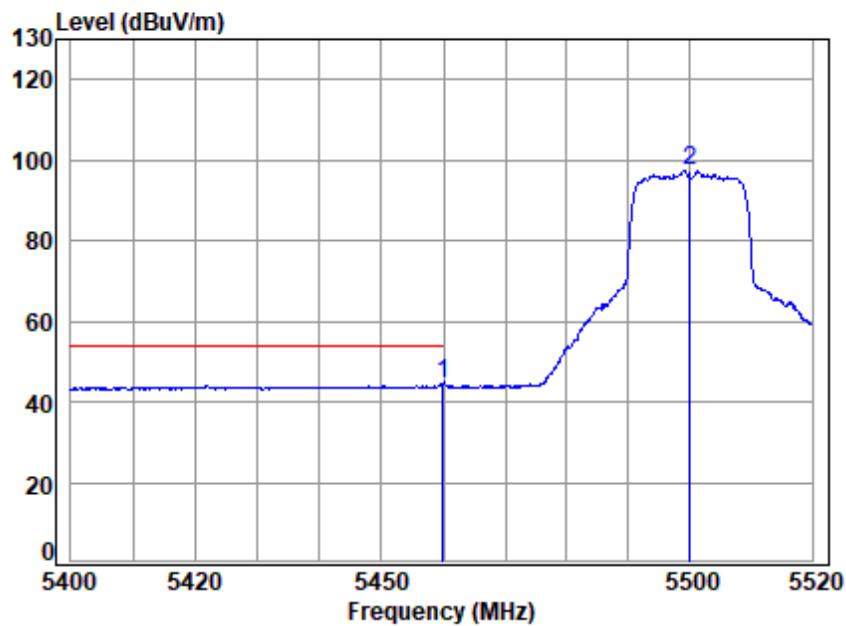
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5500 Band edge

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	dBuV			
1 pp	5459.910	10.60	32.90	30.72	31.88	44.66	54.00	-9.34 Average
2	5500.000	10.58	32.90	30.70	84.68	97.46	-----	----- Average

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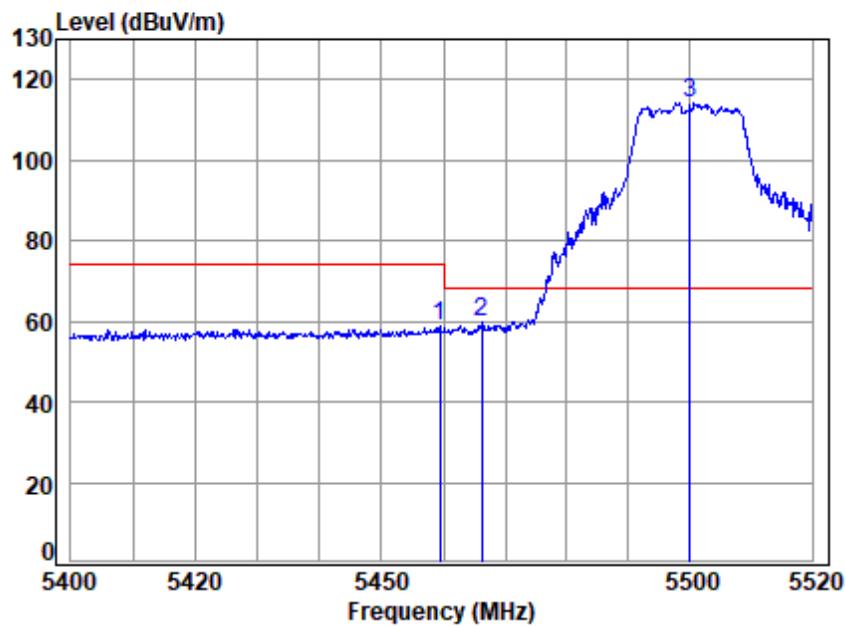
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Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

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

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5459.430	10.60	32.90	30.72	45.98	58.76	74.00 -15.24 Peak
2	5466.154	10.59	32.90	30.71	47.01	59.79	68.20 -8.41 peak
3 pp	5500.000	10.58	32.90	30.70	101.43	114.21	68.20 46.01 Peak

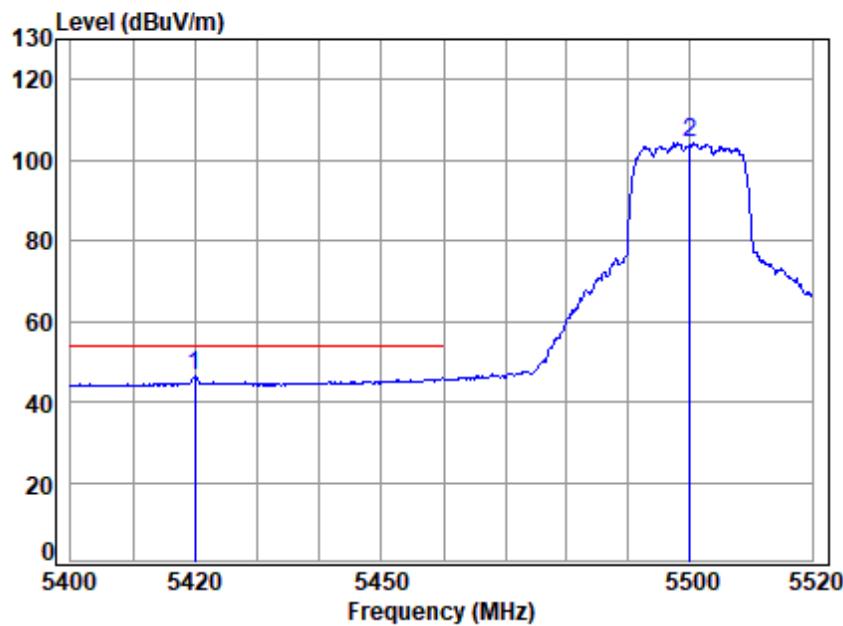
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Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

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

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5419.976	10.61	32.84	30.73	33.91	46.63	54.00 -7.37 Average
2	5500.000	10.58	32.90	30.70	91.38	104.16	----- ----- Average



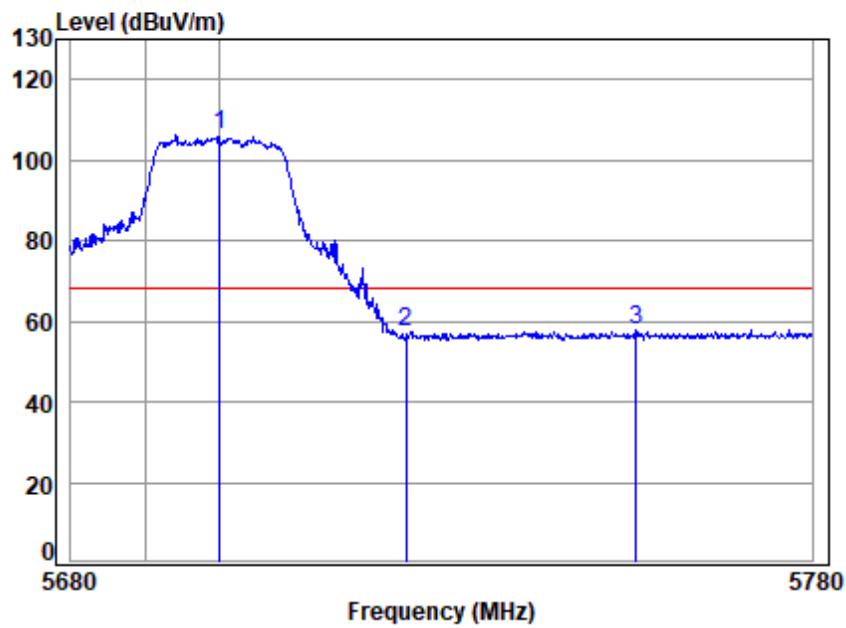
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

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

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1 pp	5700.000	10.56	33.20	30.62	93.19	106.33	68.20 38.13 peak
2	5725.000	10.68	33.25	30.61	44.14	57.46	68.20 -10.74 peak
3	5756.142	10.82	33.31	30.60	44.51	58.04	68.20 -10.16 peak

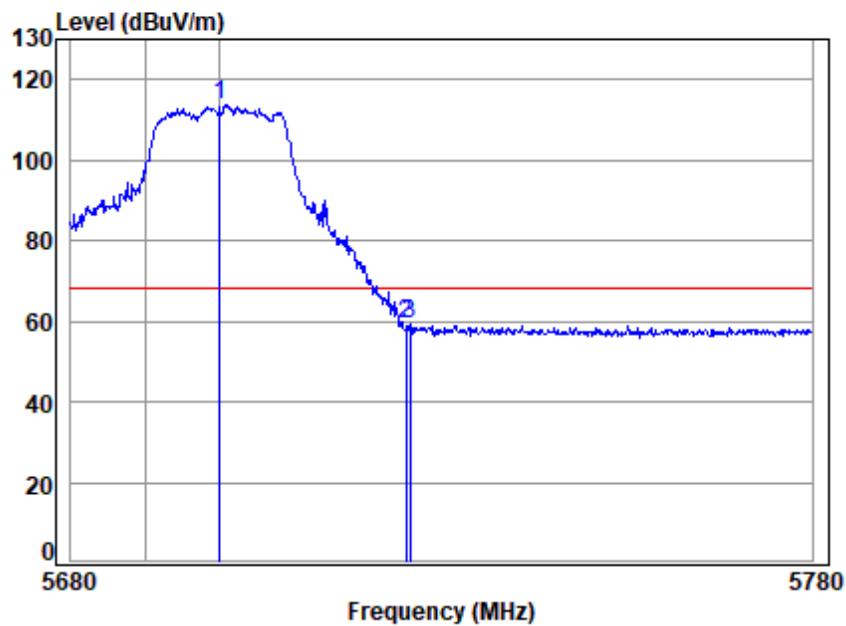
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Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01683TL/01684TL
Mode : 5700 Band edge
: 5G Wi-Fi 11n20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Level	Level	Line		
1 pp	5700.000	10.56	33.20	30.62	100.59	113.73	68.20	45.53 Peak
2	5725.000	10.68	33.25	30.61	45.75	59.07	68.20	-9.13 Peak
3	5725.583	10.68	33.25	30.61	45.75	59.07	68.20	-9.13 Peak



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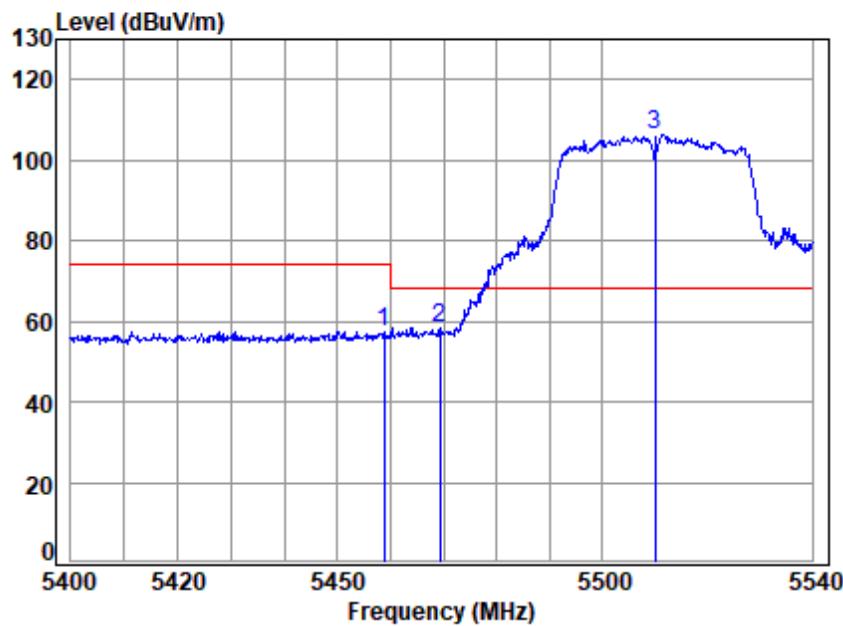
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

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

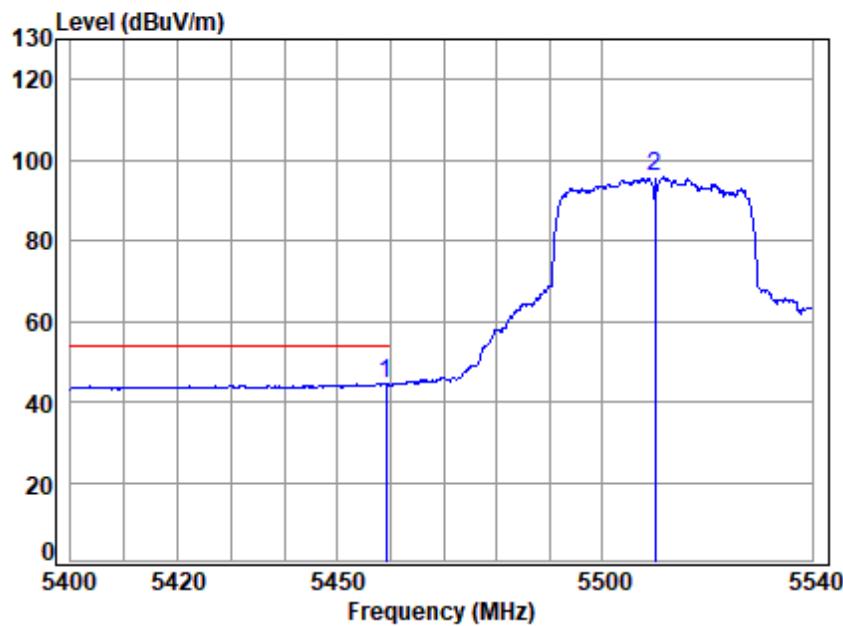
Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5458.783	10.60	32.90	30.72	44.78	57.56	74.00	-16.44 peak
2	5469.272	10.59	32.90	30.71	45.66	58.44	68.20	-9.76 peak
3 pp	5510.000	10.56	32.90	30.70	93.48	106.24	68.20	38.04 peak



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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

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

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	dBuV			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5459.202	10.60	32.90	30.72	31.82	44.60	54.00	-9.40 Average
2	5510.000	10.56	32.90	30.70	83.14	95.90	-----	----- Average

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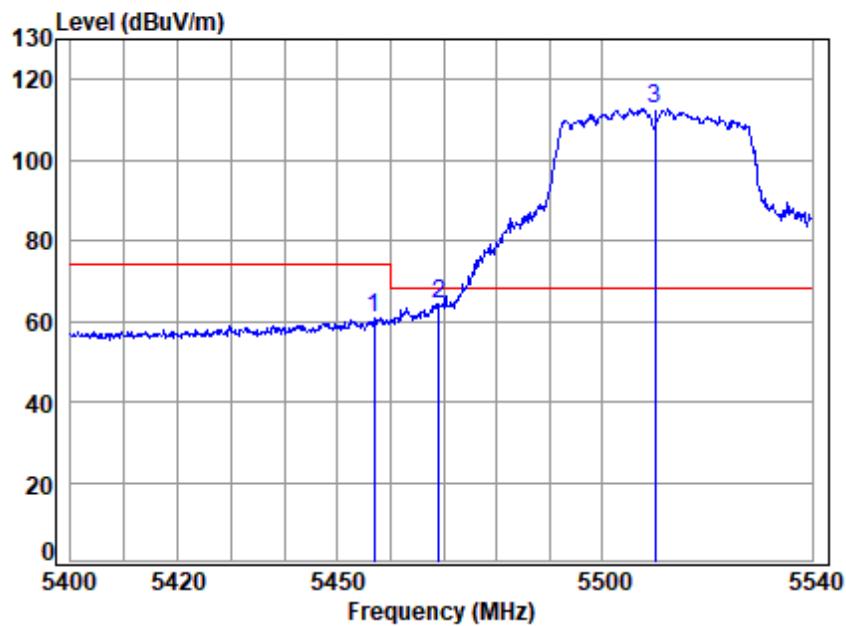
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Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

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

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5456.827	10.60	32.90	30.72	48.16	60.94	74.00	-13.06 Peak
2	5468.992	10.59	32.90	30.71	51.44	64.22	68.20	-3.98 peak
3 pp	5510.000	10.56	32.90	30.70	99.89	112.65	68.20	44.45 Peak

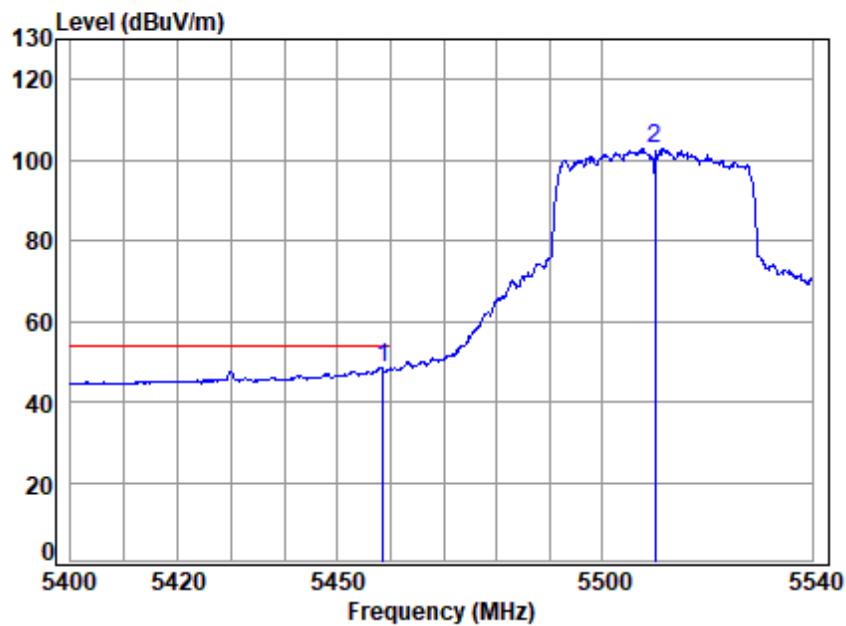
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Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

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

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1 pp	5458.503	10.60	32.90	30.72	35.63	48.41	54.00 -5.59 Average
2	5510.000	10.56	32.90	30.70	90.04	102.80	----- ----- Average

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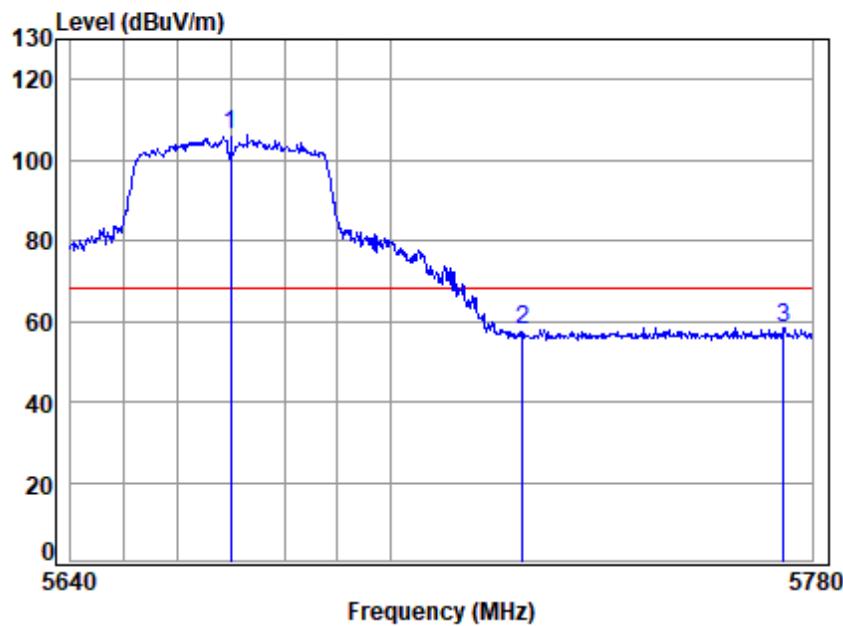
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 01683TL/01684TL
Mode : 5670 Band edge
: 5G Wi-Fi 11n40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Level	Level	Line		
1 pp	5670.000	10.52	33.14	30.63	93.14	106.17	68.20	37.97 peak
2	5725.000	10.68	33.25	30.61	44.39	57.71	68.20	-10.49 peak
3	5774.617	10.90	33.35	30.59	44.91	58.57	68.20	-9.63 peak



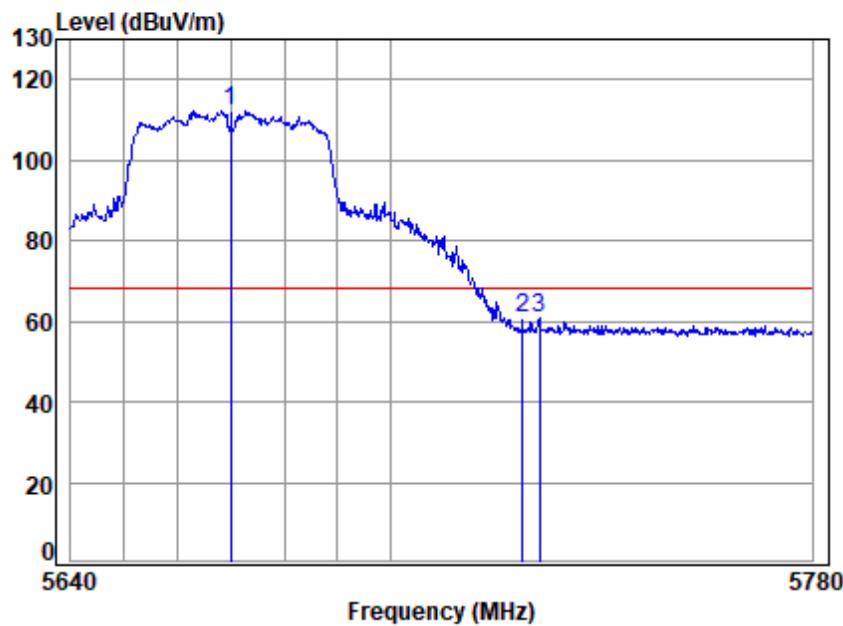
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Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01683TL/01684TL
Mode : 5670 Band edge
: 5G Wi-Fi 11n40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level	Level	Line		
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5670.000	10.52	33.14	30.63	99.07	112.10	68.20	43.90 Peak
2	5725.000	10.68	33.25	30.61	47.44	60.76	68.20	-7.44 Peak
3	5728.221	10.69	33.26	30.61	47.42	60.76	68.20	-7.44 Peak

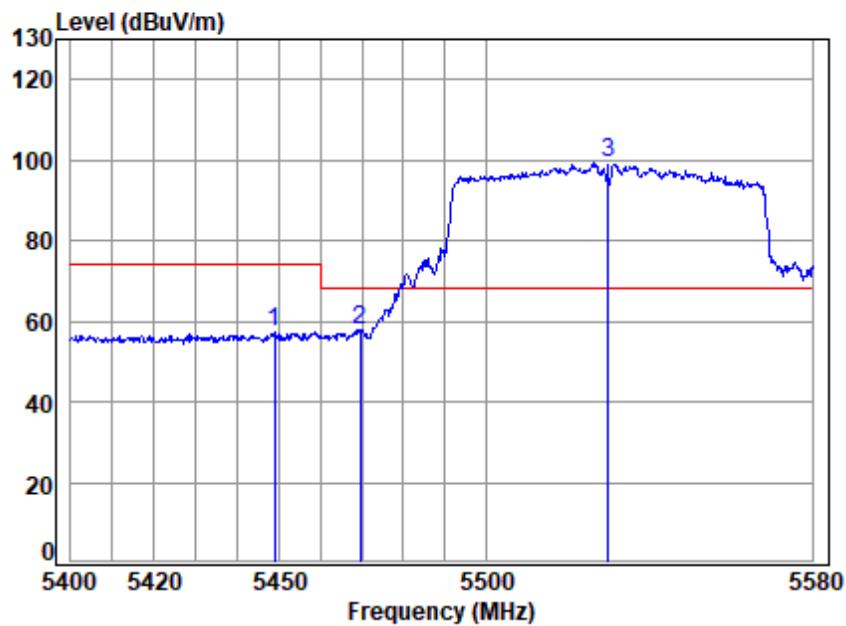
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5530 Band edge

: 5G Wi-Fi 11ac80

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5448.913	10.60	32.90	30.72	44.66	57.44	74.00	-16.56 peak
2	5469.499	10.59	32.90	30.71	45.17	57.95	68.20	-10.25 peak
3 pp	5530.000	10.53	32.90	30.69	86.40	99.14	68.20	30.94 peak

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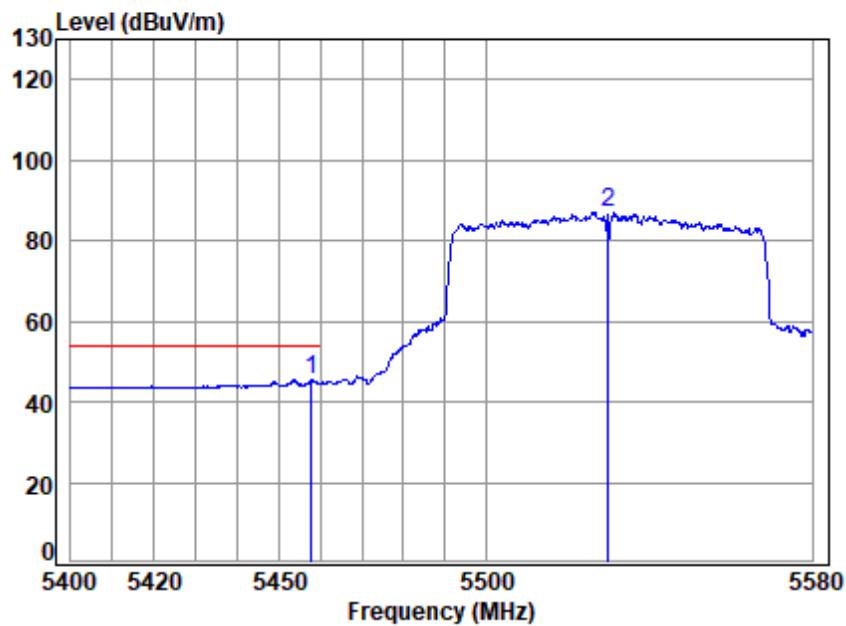
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5530 Band edge

: 5G Wi-Fi 11ac80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark	
				dB	dB/m	dB	dBuV	dBuV/m	dBuV/m
1 pp	5457.854	10.60	32.90	30.72	32.62	45.40	54.00	-8.60	Average
2	5530.000	10.53	32.90	30.69	74.22	86.96	-----	-----	Average

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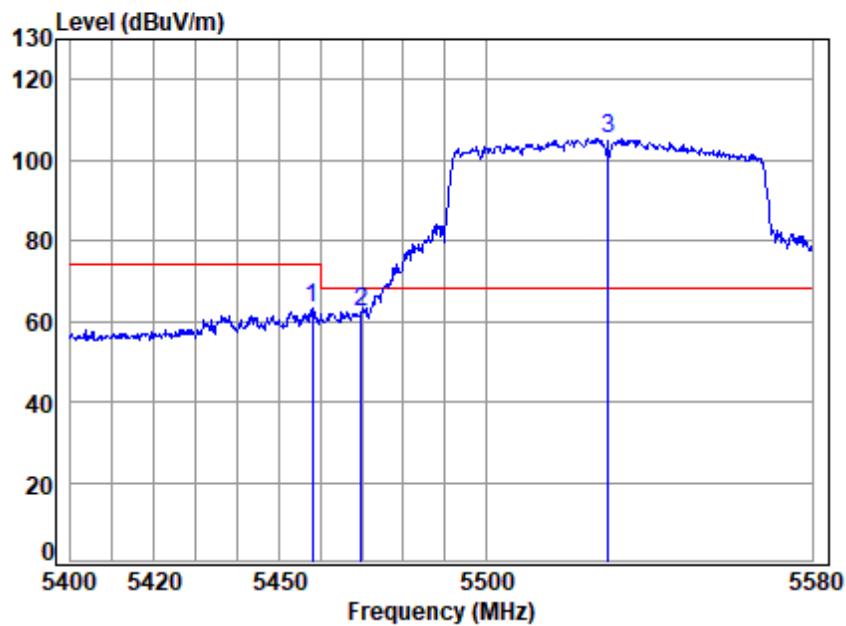
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5530 Band edge

: 5G Wi-Fi 11ac80

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5458.033	10.60	32.90	30.72	50.43	63.21	74.00 -10.79 Peak
2	5469.857	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	92.41	105.15	68.20 36.95 Peak

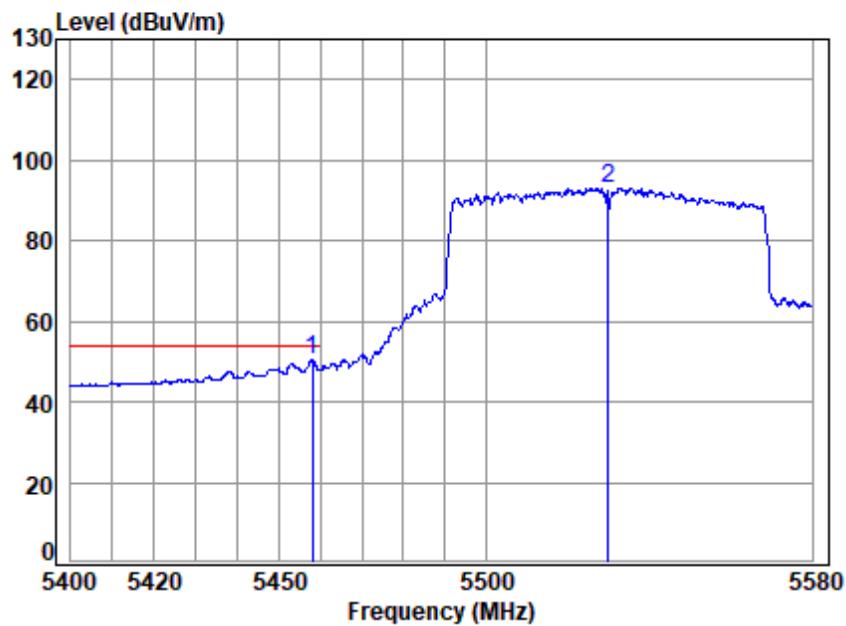
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5530 Band edge

: 5G Wi-Fi 11ac80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	dBuV			
1 pp	5458.033	10.60	32.90	30.72	37.66	50.44	54.00	-3.56 Average
2	5530.000	10.53	32.90	30.69	80.37	93.11	-----	----- Average

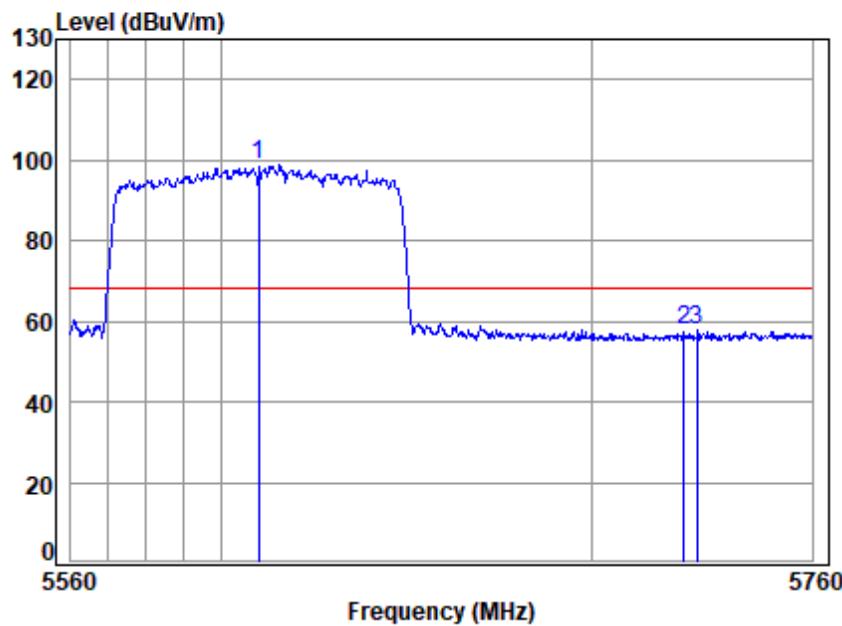
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5610 Band edge

: 5G Wi-Fi 11ac80

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level	Level	Line		
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5610.000	10.43	33.02	30.66	85.92	98.71	68.20	30.51 peak
2	5725.000	10.68	33.25	30.61	44.40	57.72	68.20	-10.48 peak
3	5728.535	10.69	33.26	30.61	44.38	57.72	68.20	-10.48 peak

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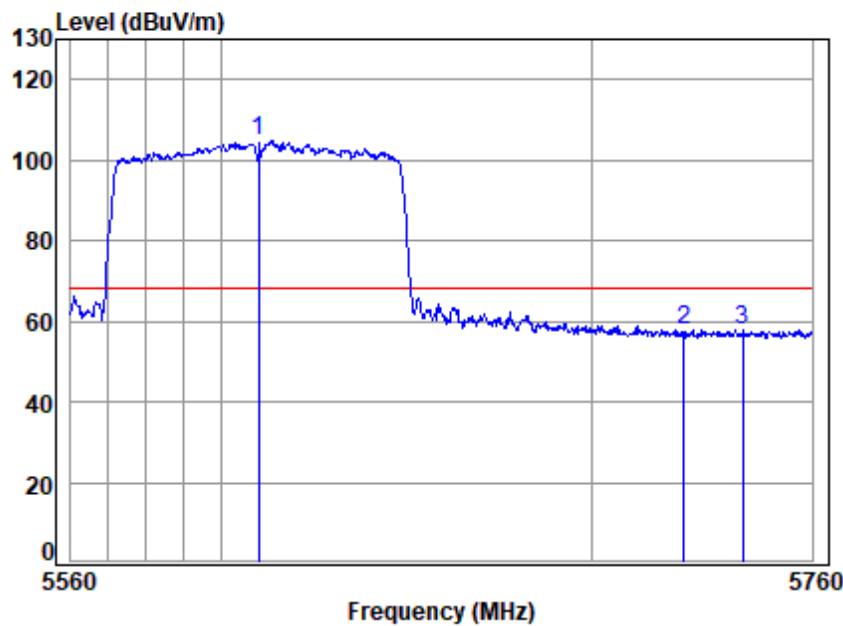
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5610 Band edge

: 5G Wi-Fi 11ac80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark	
				dB	dB/m	dB	dBuV	dBuV/m	dBuV/m
1 pp	5610.000	10.43	33.02	30.66	92.24	105.03	68.20	36.83	Peak
2	5725.000	10.68	33.25	30.61	44.47	57.79	68.20	-10.41	peak
3	5741.101	10.75	33.28	30.60	44.64	58.07	68.20	-10.13	Peak

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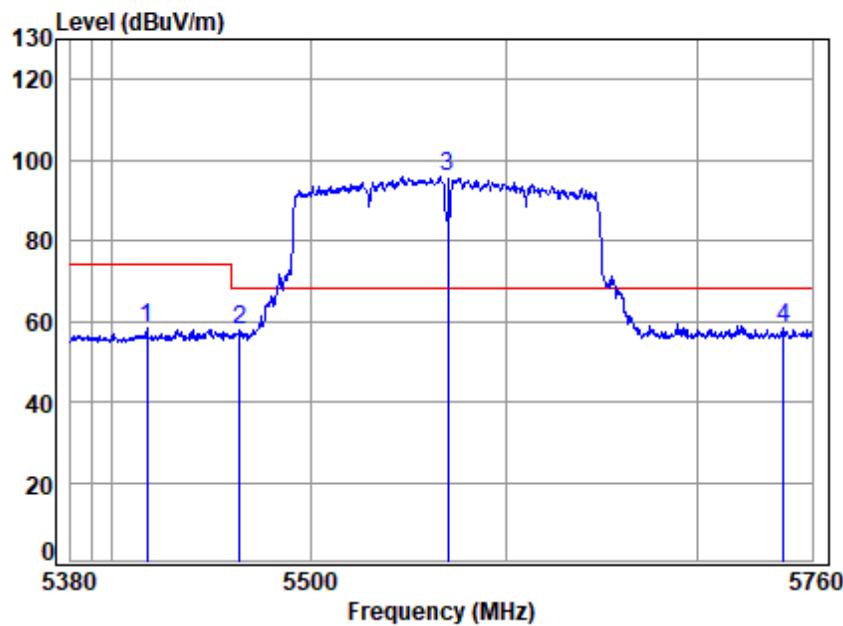
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:160MHz; Channel:middle



Condition: 3m HORIZONTAL
Job No : 01683TL/01684TL
Mode : 5570 Band edge
: 5G Wi-Fi 11ac160

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5417.953	10.61	32.84	30.73	45.52	58.24	74.00 -15.76 peak
2	5464.372	10.59	32.90	30.71	45.07	57.85	68.20 -10.35 peak
3 pp	5570.000	10.46	32.94	30.67	83.12	95.85	68.20 27.65 peak
4	5744.689	10.77	33.29	30.60	44.66	58.12	68.20 -10.08 peak

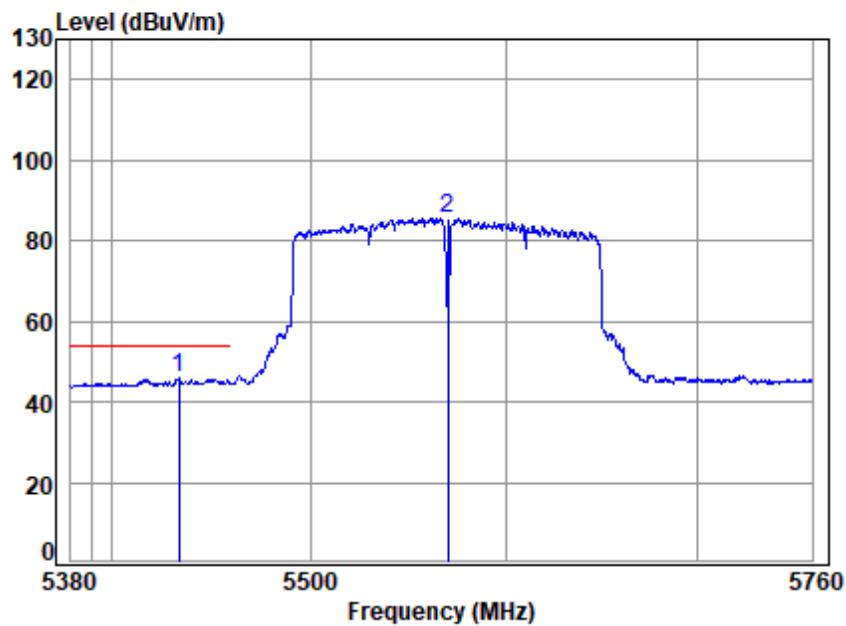
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:160MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5570 Band edge

: 5G Wi-Fi 11ac160

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	dBuV			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5433.876	10.61	32.87	30.73	32.98	45.73	54.00	-8.27 Average
2	5570.000	10.46	32.94	30.67	72.97	85.70	-----	----- Average

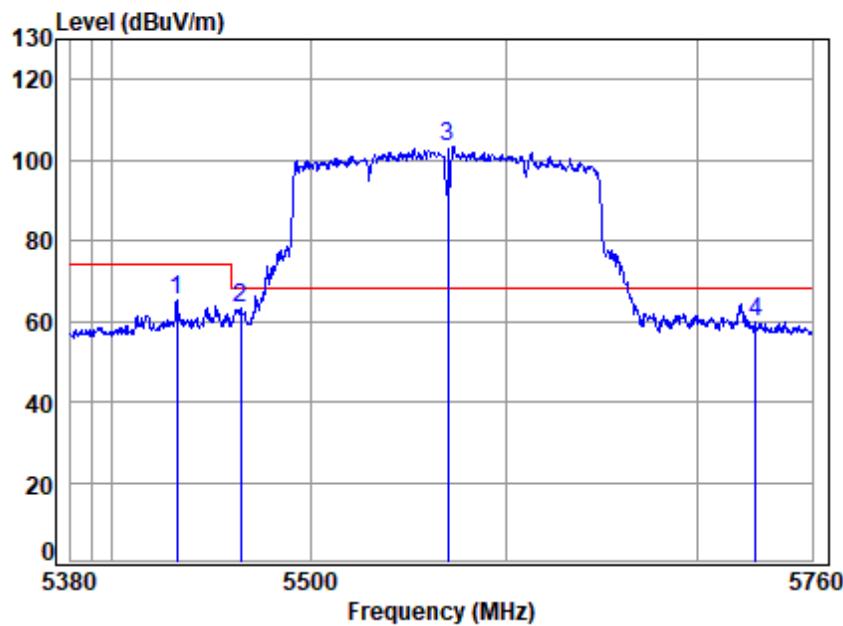
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:160MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5570 Band edge

: 5G Wi-Fi 11ac160

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Freq	Loss	Factor	Level	Level	Line		
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5432.764	10.61	32.87	30.73	52.34	65.09	74.00	-8.91 peak
2	5464.745	10.59	32.90	30.71	50.52	63.30	68.20	-4.90 peak
3 pp	5570.000	10.46	32.94	30.67	90.50	103.23	68.20	35.03 peak
4	5730.201	10.70	33.26	30.61	46.63	59.98	68.20	-8.22 peak

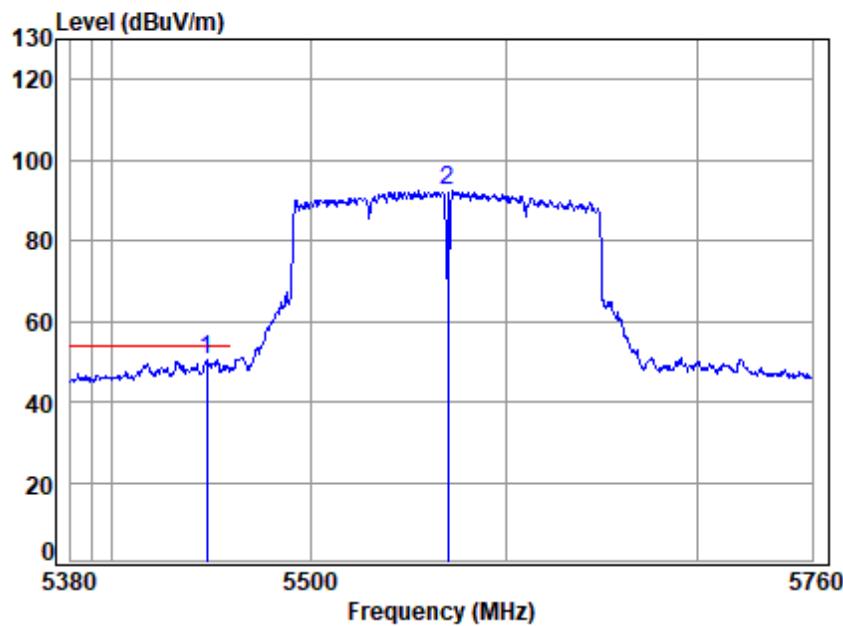
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ac; Bandwidth:160MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

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

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	dBuV			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5447.987	10.60	32.90	30.72	37.68	50.46	54.00	-3.54 Average
2	5570.000	10.46	32.94	30.67	79.86	92.59	-----	----- Average

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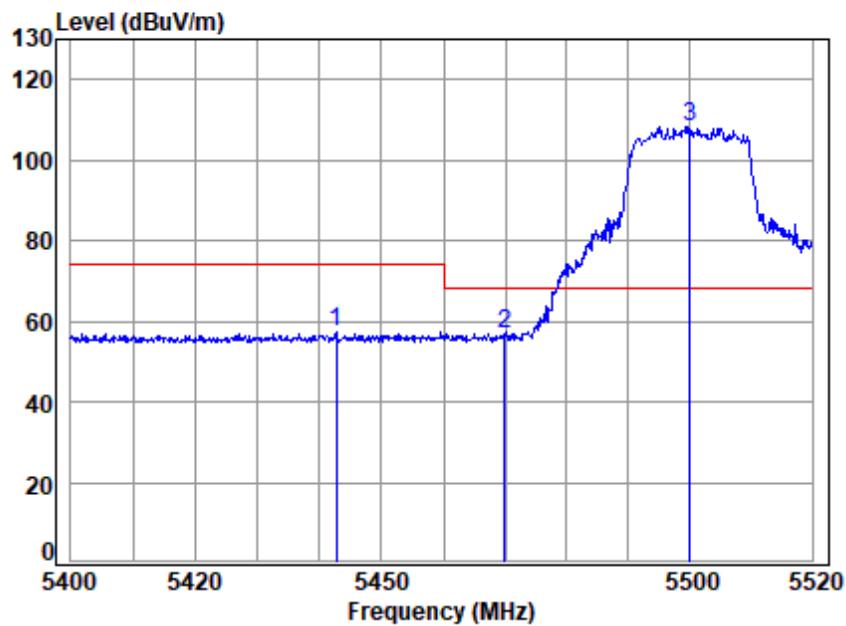
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5500 Band edge

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5442.657	10.60	32.89	30.72	44.77	57.54	74.00 -16.46 peak
2	5469.880	10.59	32.90	30.71	44.06	56.84	68.20 -11.36 peak
3 pp	5500.000	10.58	32.90	30.70	95.51	108.29	68.20 40.09 peak

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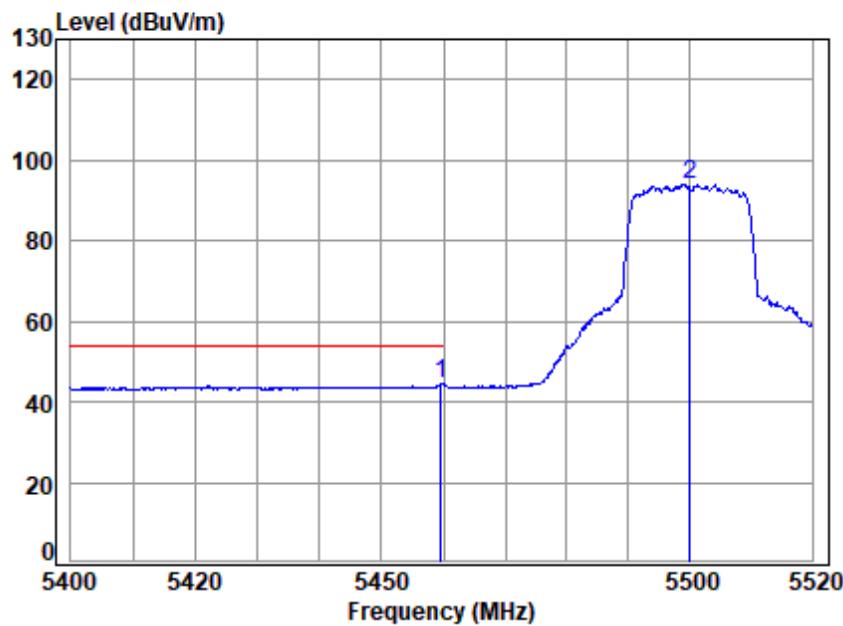
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5500 Band edge

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	MHz	Loss	Factor	Level	Level	Line	Limit	
1 pp	5459.670	10.60	32.90	30.72	31.82	44.60	54.00	-9.40 Average
2	5500.000	10.58	32.90	30.70	81.32	94.10	-----	----- Average



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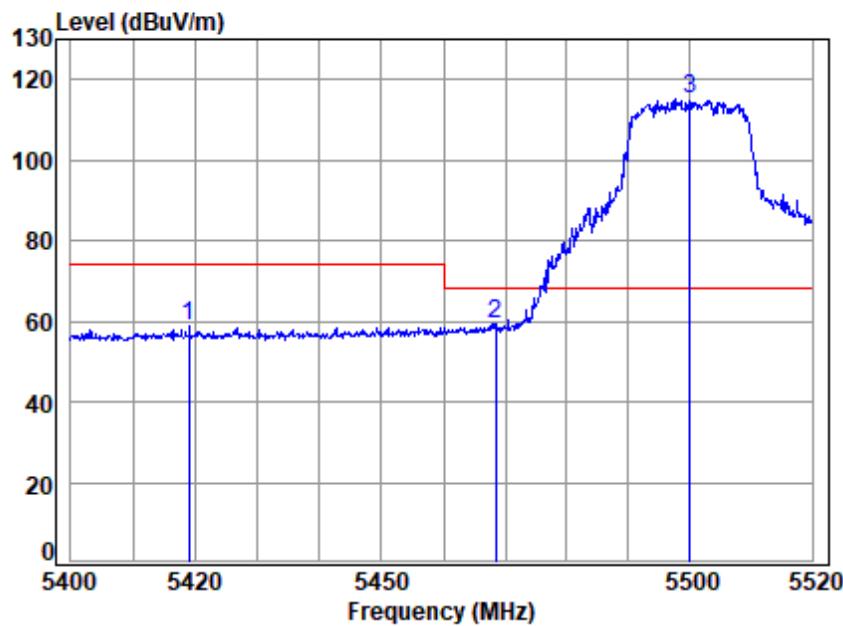
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

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

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5419.023	10.61	32.84	30.73	46.20	58.92	74.00 -15.08 Peak
2	5468.437	10.59	32.90	30.71	46.76	59.54	68.20 -8.66 peak
3 pp	5500.000	10.58	32.90	30.70	102.39	115.17	68.20 46.97 Peak



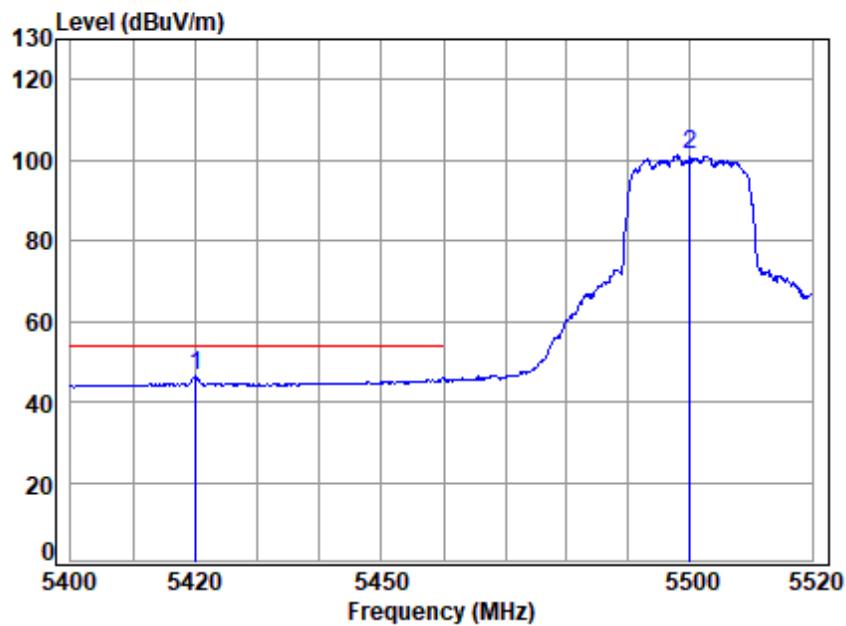
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

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

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	dBuV			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5420.095	10.61	32.84	30.73	33.53	46.25	54.00	-7.75 Average
2	5500.000	10.58	32.90	30.70	88.63	101.41	-----	----- Average



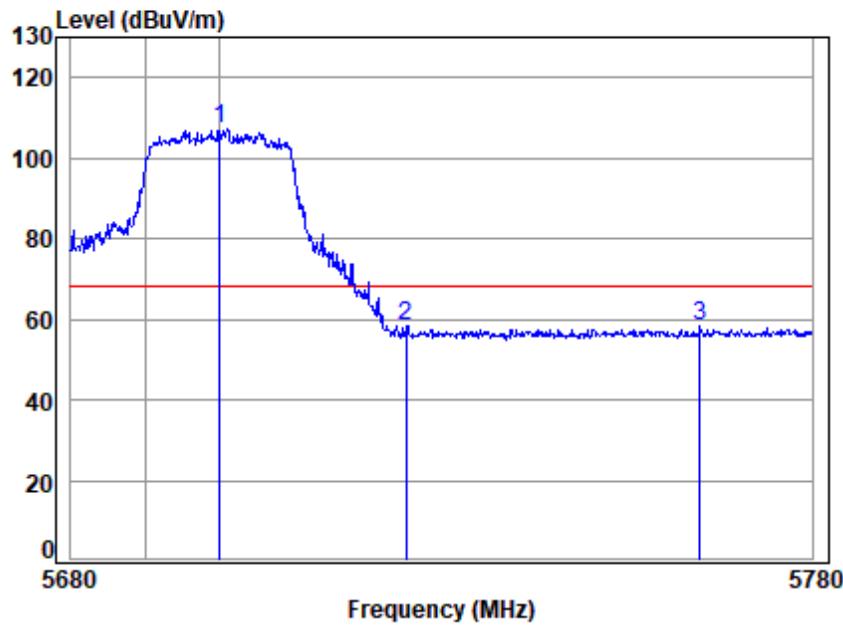
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5700 Band edge

: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark	
	Loss	Factor	Factor	Level	Level	Line	Limit		
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	5700.000	10.56	33.20	30.62	94.00	107.14	68.20	38.94 peak
2		5725.000	10.68	33.25	30.61	45.00	58.32	68.20	-9.88 peak
3		5764.788	10.86	33.33	30.59	44.60	58.20	68.20	-10.00 peak

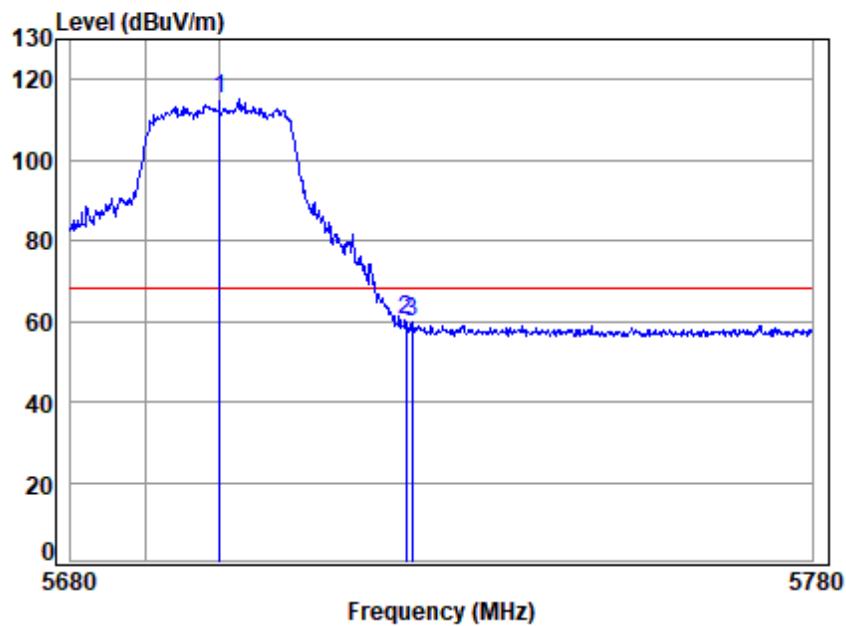


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Test Mode: 04; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01683TL/01684TL
Mode : 5700 Band edge
: 5G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark	
	Loss	Factor	Factor	Level	Level	Line	Limit		
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	5700.000	10.56	33.20	30.62	102.20	115.34	68.20	47.14 Peak
2		5725.000	10.68	33.25	30.61	46.77	60.09	68.20	-8.11 Peak
3		5725.783	10.68	33.25	30.61	46.40	59.72	68.20	-8.48 Peak



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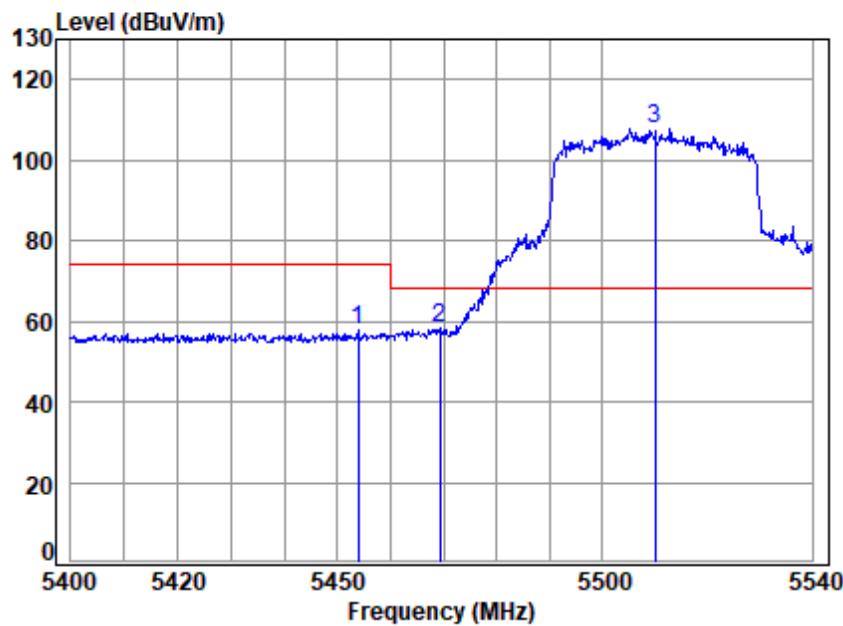
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

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

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5453.895	10.60	32.90	30.72	44.87	57.65	74.00 -16.35 peak
2	5469.272	10.59	32.90	30.71	45.59	58.37	68.20 -9.83 peak
3 pp	5510.000	10.56	32.90	30.70	95.18	107.94	68.20 39.74 peak

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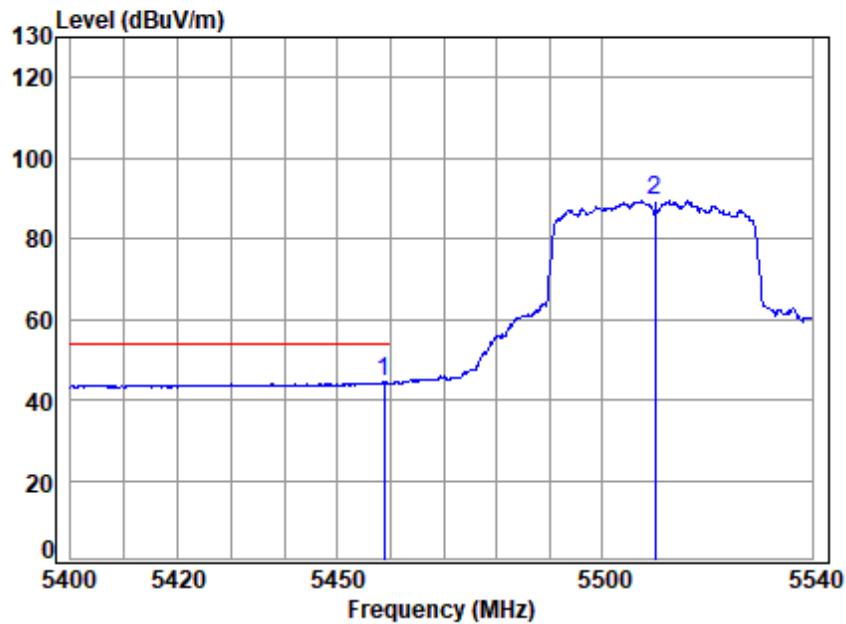
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5510 Band edge

: 5G Wi-Fi 11ax40

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	pp	5458.783	10.60	32.90	30.72	31.54	44.32	54.00	-9.68 Average
2		5510.000	10.56	32.90	30.70	76.76	89.52	-----	----- Average

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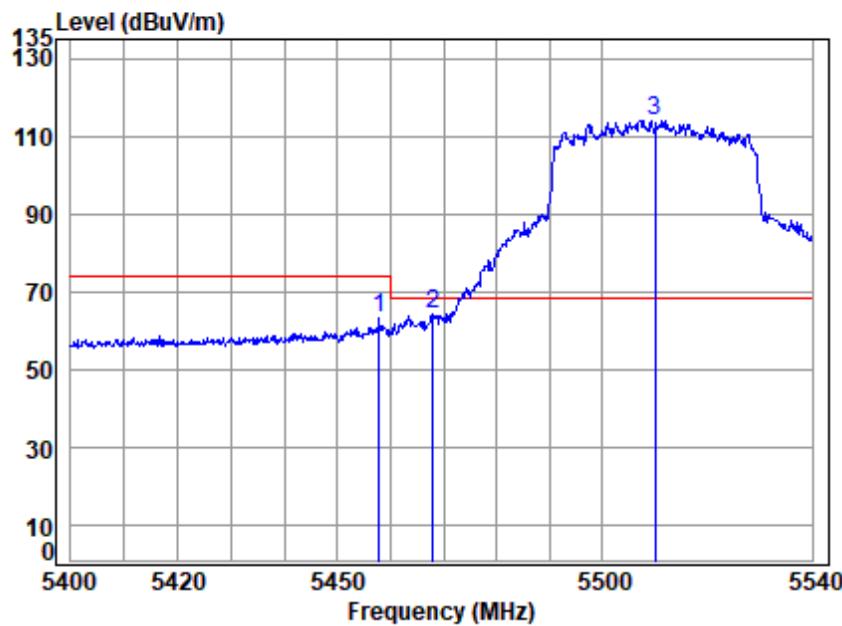
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

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

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level	Level	Line		
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5457.805	10.60	32.90	30.72	50.23	63.01	74.00	-10.99 Peak
2	5467.873	10.59	32.90	30.71	51.45	64.23	68.20	-3.97 peak
3 pp	5510.000	10.56	32.90	30.70	101.42	114.18	68.20	45.98 Peak

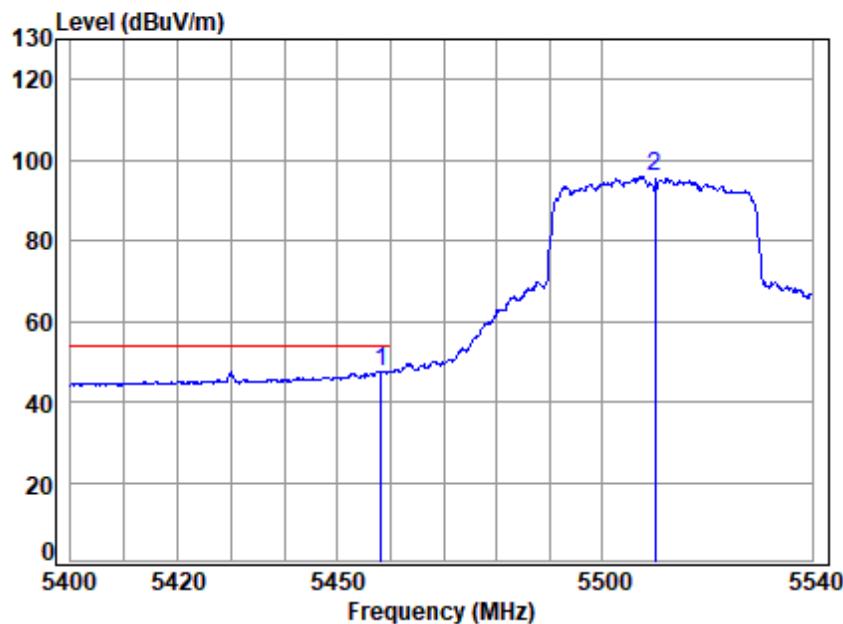
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5510 Band edge

: 5G Wi-Fi 11ax40

		Cable Freq	Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	5458.224	10.60	32.90	30.72	34.90	47.68	54.00	-6.32	Average
2		5510.000	10.56	32.90	30.70	83.34	96.10	-----	-----	Average



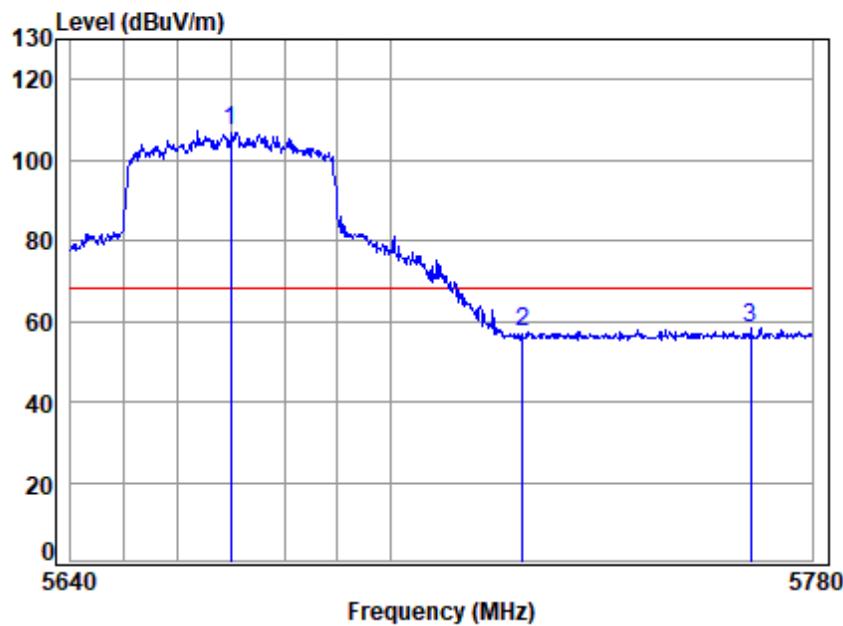
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5670 Band edge

: 5G Wi-Fi 11ax40

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5670.000	10.52	33.14	30.63	94.09	107.12	68.20	38.92 peak
2	5725.000	10.68	33.25	30.61	44.02	57.34	68.20	-10.86 peak
3	5768.249	10.87	33.34	30.59	44.78	58.40	68.20	-9.80 peak

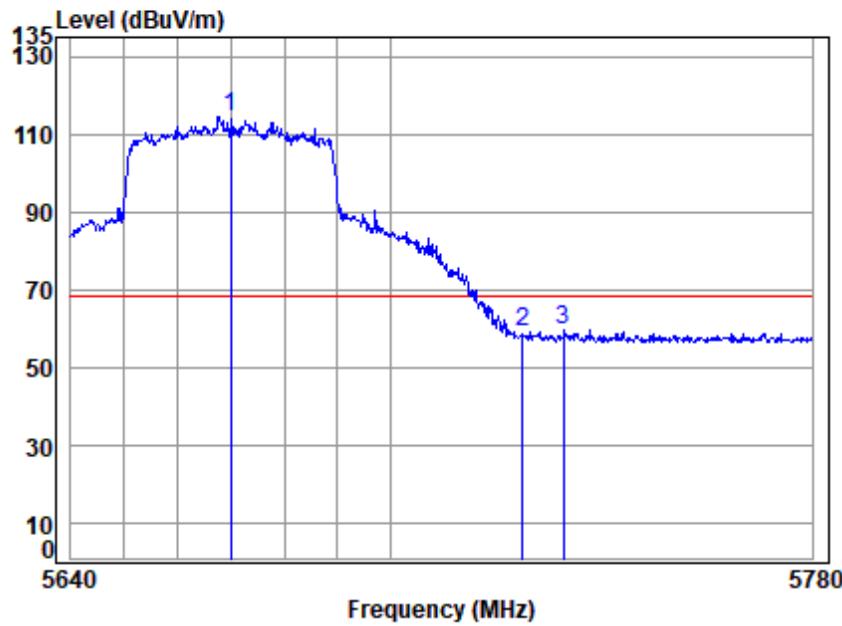
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5670 Band edge

: 5G Wi-Fi 11ax40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Level	Level	Line		
1 pp	5670.000	10.52	33.14	30.63	101.62	114.65	68.20	46.45 Peak
2	5725.000	10.68	33.25	30.61	45.93	59.25	68.20	-8.95 Peak
3	5732.717	10.71	33.27	30.61	46.14	59.51	68.20	-8.69 Peak

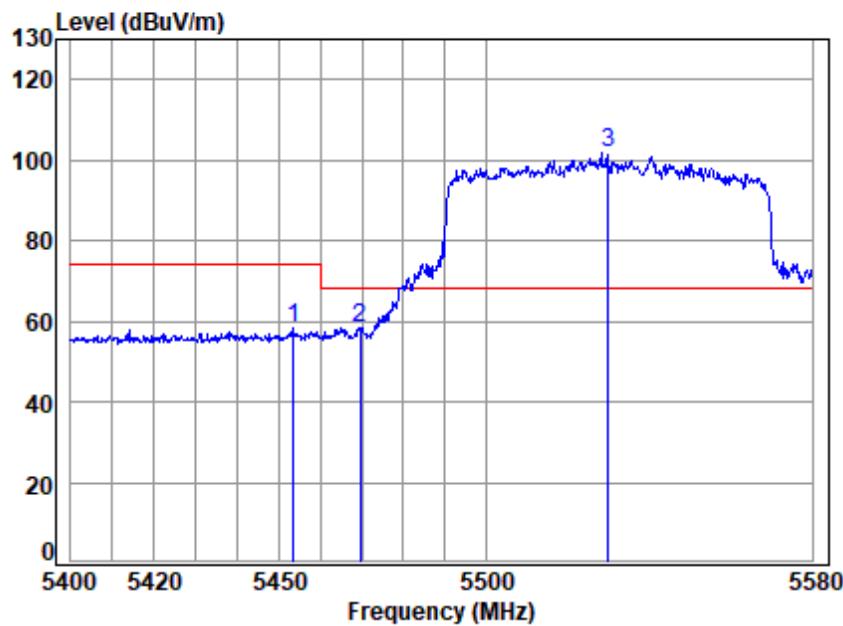
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5530 Band edge

: 5G Wi-Fi 11ax80

		Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line Level	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5453.382	10.60	32.90	30.72	45.78	58.56	74.00	-15.44	peak
2	5469.678	10.59	32.90	30.71	45.61	58.39	68.20	-9.81	peak
3 pp	5530.000	10.53	32.90	30.69	89.24	101.98	68.20	33.78	peak

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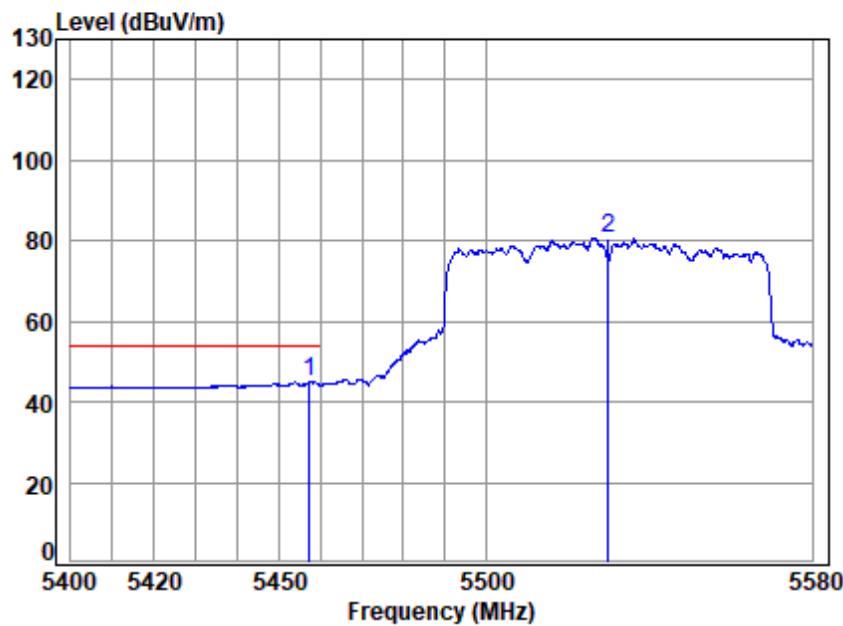
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5530 Band edge

: 5G Wi-Fi 11ax80

		Cable Freq	Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Line Limit	Over Limit	Remark
		MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	5457.317	10.60	32.90	30.72	32.19	44.97	54.00	-9.03	Average
2		5530.000	10.53	32.90	30.69	67.97	80.71	-----	-----	Average



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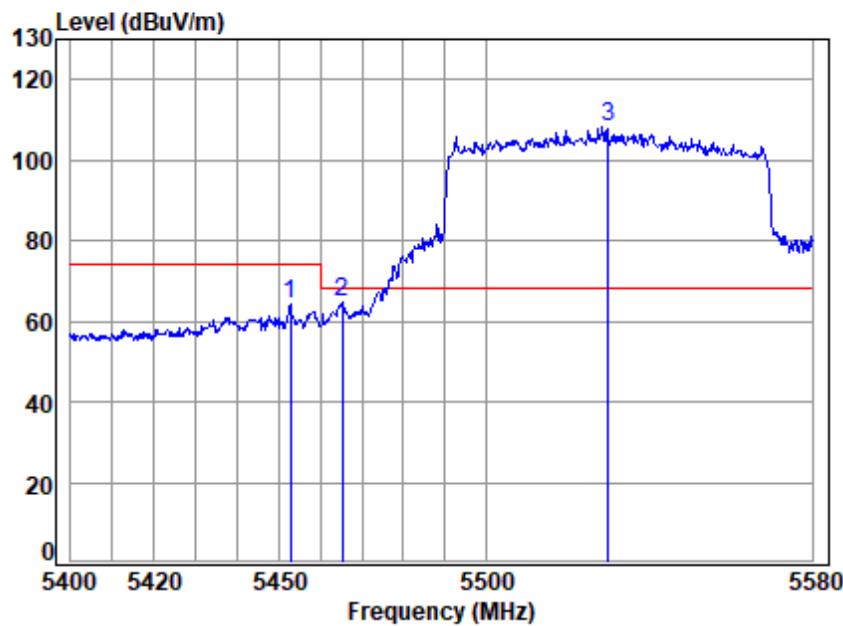
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5530 Band edge

: 5G Wi-Fi 11ax80

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level	Level	Line		
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5452.845	10.60	32.90	30.72	51.60	64.38	74.00	-9.62 Peak
2	5465.196	10.59	32.90	30.71	51.86	64.64	68.20	-3.56 peak
3 pp	5530.000	10.53	32.90	30.69	95.39	108.13	68.20	39.93 Peak

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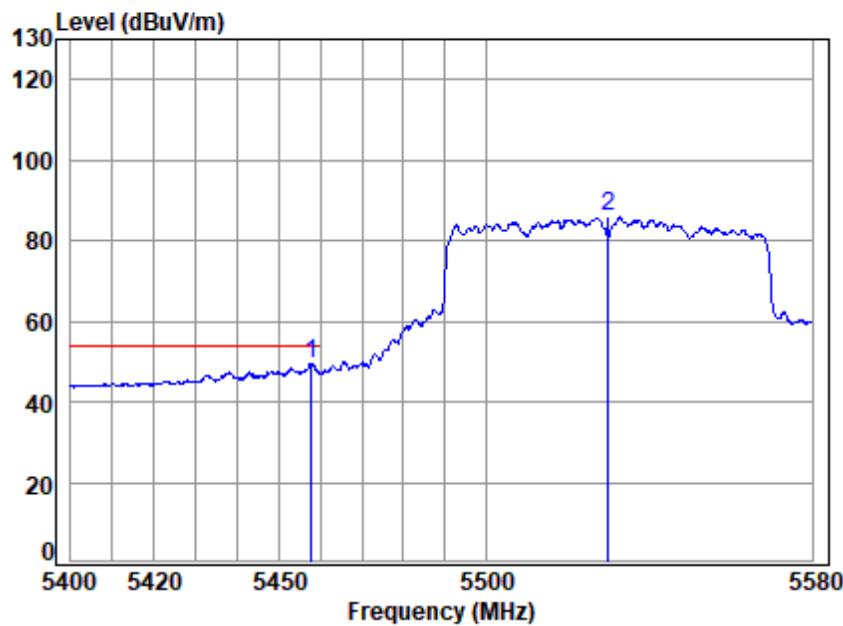
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01683TL/01684TL
Mode : 5530 Band edge
: 5G Wi-Fi 11ax80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	dBuV			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5457.675	10.60	32.90	30.72	36.86	49.64	54.00	-4.36 Average
2	5530.000	10.53	32.90	30.69	73.19	85.93	-----	----- Average

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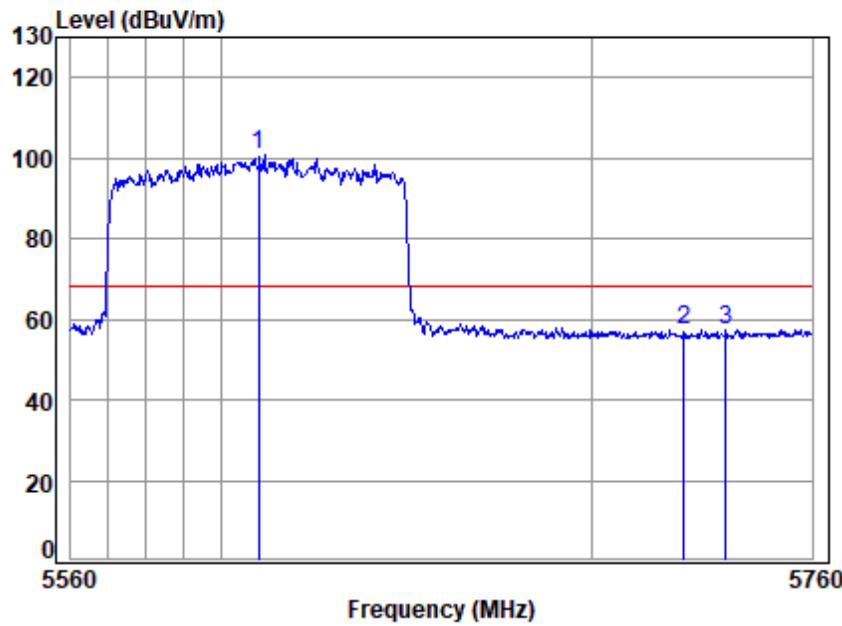
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5610 Band edge

: 5G Wi-Fi 11ax80

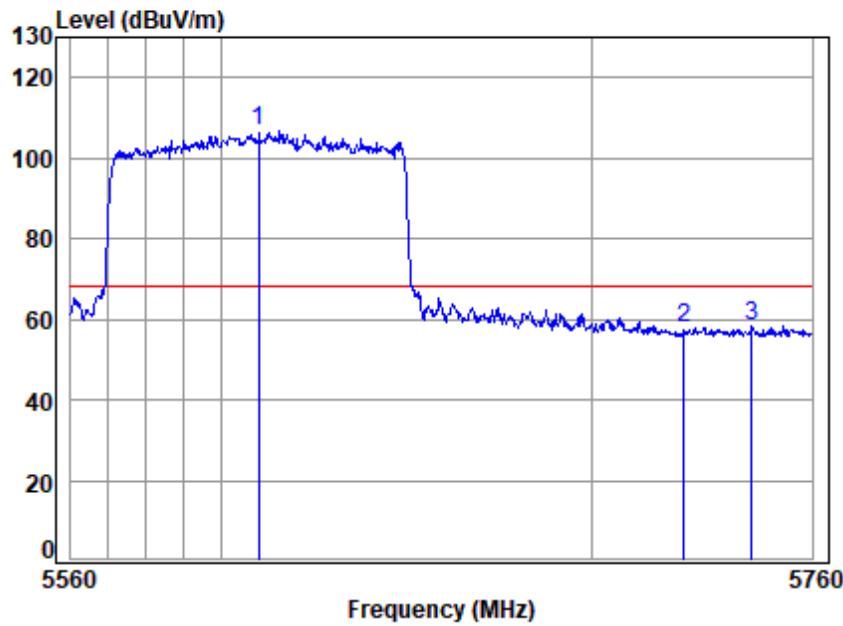
Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5610.000	10.43	33.02	30.66	87.98	100.77	68.20	32.57 peak
2	5725.000	10.68	33.25	30.61	43.84	57.16	68.20	-11.04 peak
3	5736.436	10.73	33.27	30.61	43.95	57.34	68.20	-10.86 peak



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Test Mode: 04; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5610 Band edge

: 5G Wi-Fi 11ax80

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	dBuV			
1 pp	5610.000	10.43	33.02	30.66	94.09	106.88	68.20	38.68 Peak
2	5725.000	10.68	33.25	30.61	44.48	57.80	68.20	-10.40 peak
3	5743.333	10.76	33.29	30.60	44.74	58.19	68.20	-10.01 Peak

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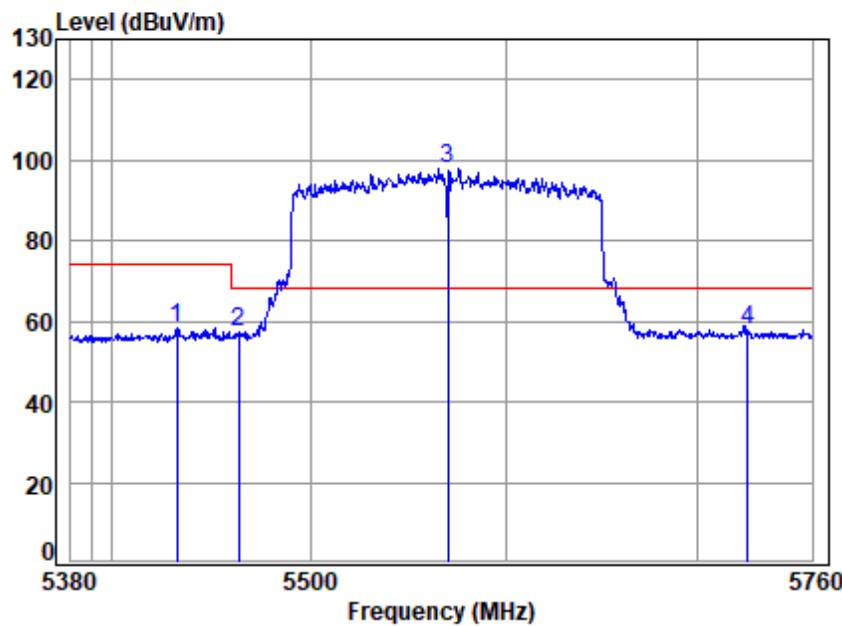
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5570 Band edge

: 5G Wi-Fi 11ax160

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	Loss	Factor	Factor	Level			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5432.764	10.61	32.87	30.73	45.70	58.45	74.00 -15.55 peak
2	5463.626	10.59	32.90	30.71	44.70	57.48	68.20 -10.72 peak
3 pp	5570.000	10.46	32.94	30.67	84.98	97.71	68.20 29.51 peak
4	5725.900	10.68	33.25	30.61	44.31	57.63	68.20 -10.57 peak

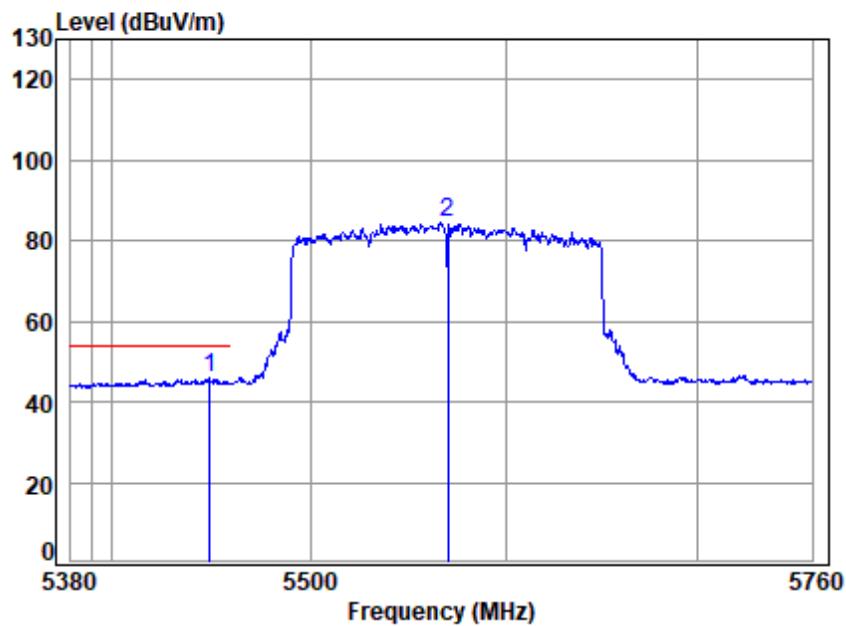
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

Mode : 5570 Band edge

: 5G Wi-Fi 11ax160

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark	
				dB	dB/m	dB	dBuV	dBuV/m	dBuV/m
1 pp	5449.103	10.60	32.90	30.72	33.11	45.89	54.00	-8.11	Average
2	5570.000	10.46	32.94	30.67	71.59	84.32	-----	-----	Average

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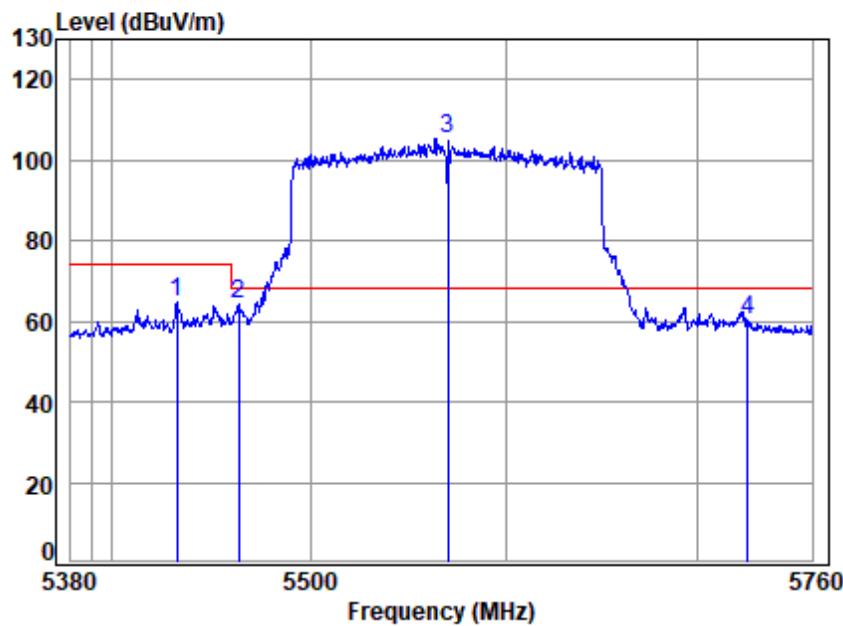
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5570 Band edge

: 5G Wi-Fi 11ax160

Freq	Cable	Ant	Preamp	Read	Limit		Over	Remark
	Loss	Factor	Factor	Level	Level	Line	Limit	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5432.764	10.61	32.87	30.73	52.12	64.87	74.00	-9.13 peak
2	5463.626	10.59	32.90	30.71	51.28	64.06	68.20	-4.14 peak
3 pp	5570.000	10.46	32.94	30.67	92.61	105.34	68.20	37.14 peak
4	5725.900	10.68	33.25	30.61	46.86	60.18	68.20	-8.02 peak

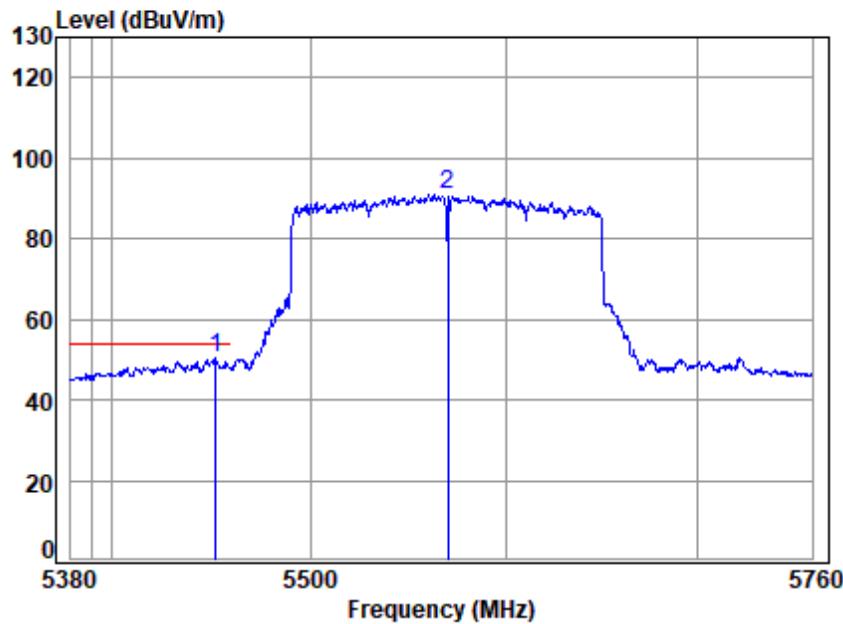
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Test Mode: 04; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:160MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5570 Band edge

: 5G Wi-Fi 11ax160

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	dBuV			
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5452.451	10.60	32.90	30.72	37.64	50.42	54.00	-3.58 Average
2	5570.000	10.46	32.94	30.67	78.31	91.04	-----	----- Average

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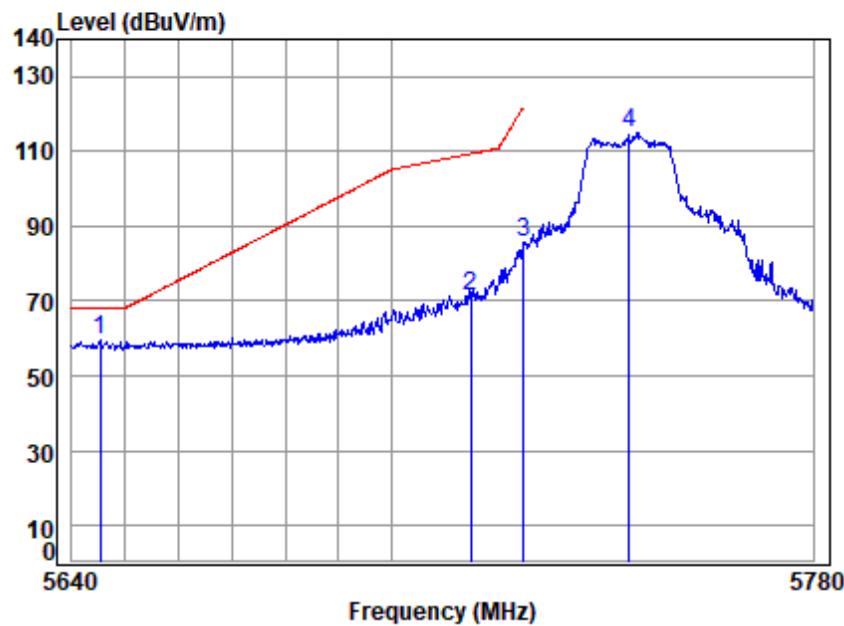
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Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

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

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark	
				dB	dBuV				
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp	5645.257	10.48	33.09	30.64	46.57	59.50	68.20	-8.70 peak
2		5715.000	10.63	33.23	30.61	58.26	71.51	109.40	-37.89 peak
3		5725.000	10.68	33.25	30.61	72.38	85.70	122.20	-36.50 peak
4		5745.000	10.77	33.29	30.60	101.74	115.20	-----	----- peak

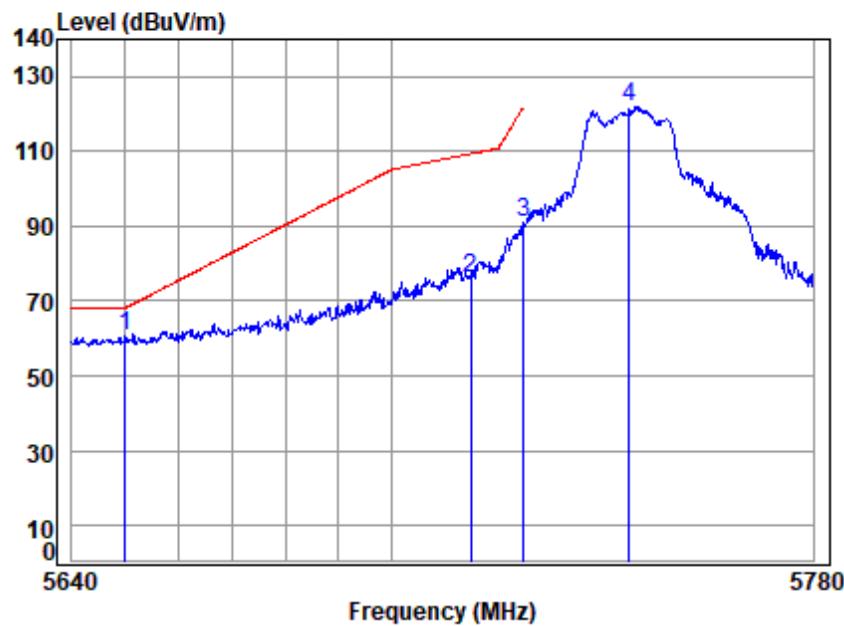
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Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01683TL/01684TL
Mode : 5745 Band edge
: 5.8G Wi-Fi 11a

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dBuV			
1 pp	5649.966	10.48	33.10	30.64	47.50	60.44	68.20	-7.76 peak
2	5715.000	10.63	33.23	30.61	63.04	76.29	109.40	-33.11 peak
3	5725.000	10.68	33.25	30.61	77.71	91.03	122.20	-31.17 peak
4	5745.000	10.77	33.29	30.60	108.57	122.03	-----	----- peak



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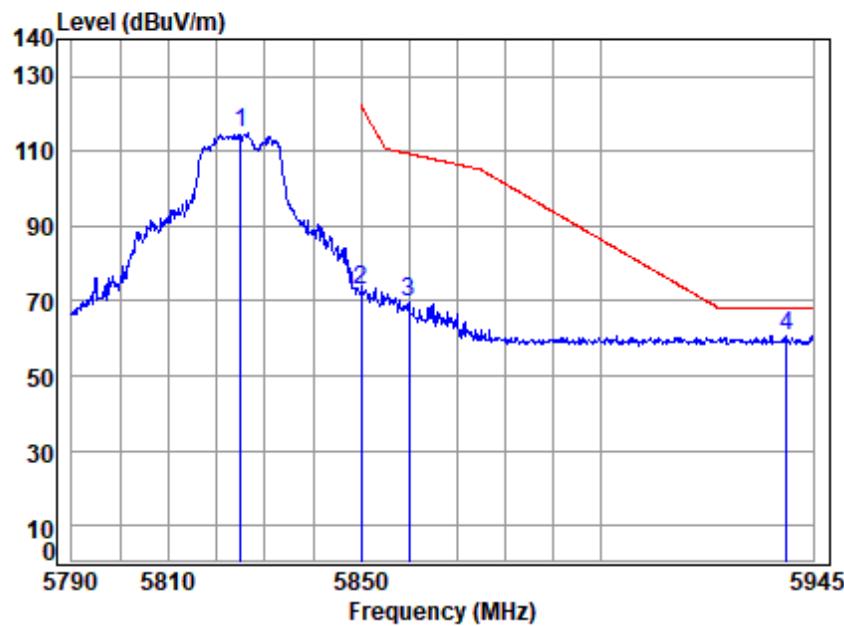
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Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 01683TL/01684TL

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

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.000	10.99	33.50	30.57	101.02	114.94	-----	-----	peak
2	5850.000	10.95	33.60	30.56	59.13	73.12	122.20	-49.08	peak
3	5860.000	10.94	33.58	30.56	55.88	69.84	109.40	-39.56	peak
4 pp	5939.349	10.86	33.58	30.52	46.73	60.65	68.20	-7.55	peak

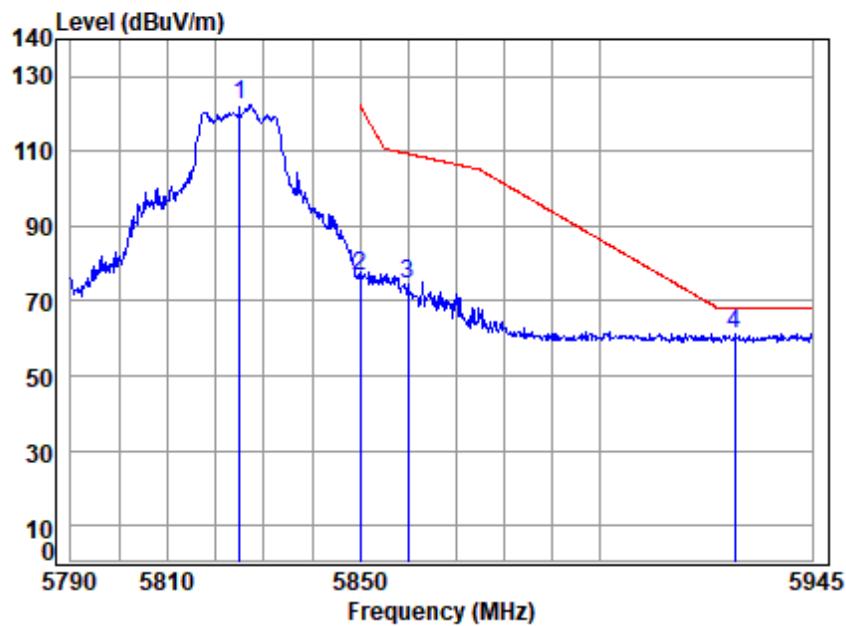
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Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

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

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		MHz	Loss	Factor	Factor	Level	Level	
1	5825.000	10.99	33.50	30.57	108.35	122.27	-----	peak
2	5850.000	10.95	33.60	30.56	62.71	76.70	122.20	-45.50 peak
3	5860.000	10.94	33.58	30.56	60.45	74.41	109.40	-34.99 peak
4 pp	5928.688	10.87	33.56	30.53	47.46	61.36	68.20	-6.84 peak

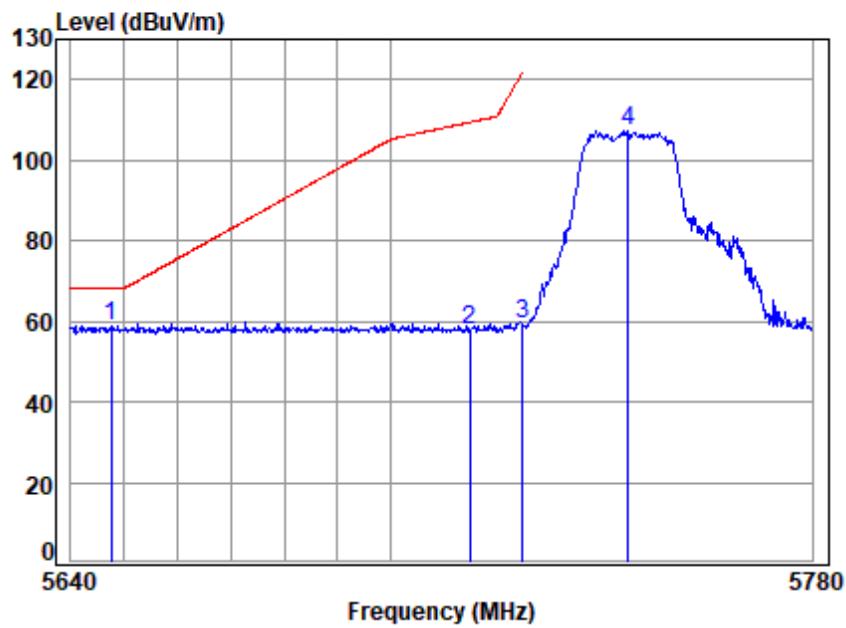
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Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 01683TL/01684TL
Mode : 5745 Band edge
: 5.8G Wi-Fi 11n20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	dBuV			
1 pp	5647.473	10.48	33.09	30.64	46.13	59.06	68.20	-9.14 peak
2	5715.000	10.63	33.23	30.61	44.41	57.66	109.40	-51.74 peak
3	5725.000	10.68	33.25	30.61	45.84	59.16	122.20	-63.04 peak
4	5745.000	10.77	33.29	30.60	94.01	107.47	-----	----- peak

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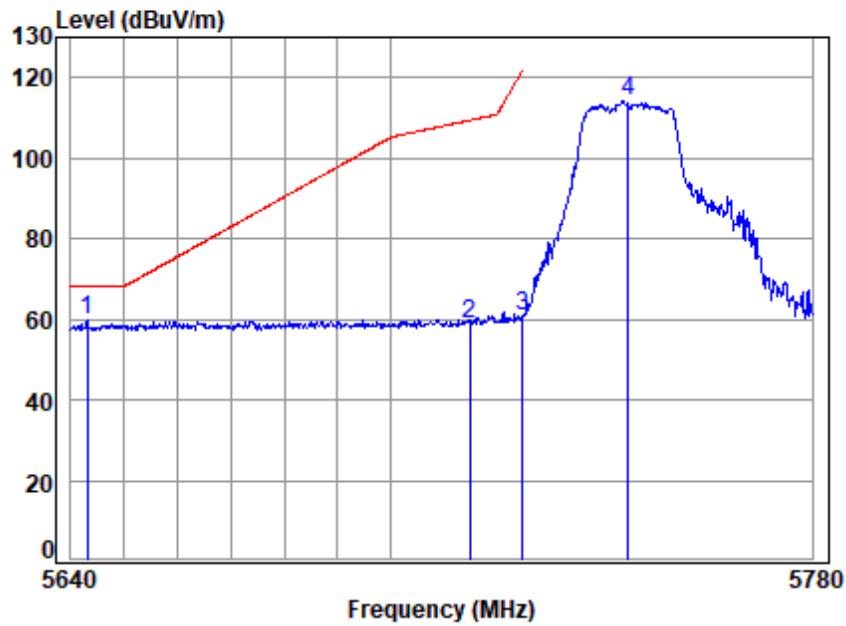
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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5745 Band edge

: 5.8G Wi-Fi 11n20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
1 pp	5643.043	10.47	33.09	30.64	46.98	59.90	68.20	-8.30 peak
2	5715.000	10.63	33.23	30.61	45.46	58.71	109.40	-50.69 peak
3	5725.000	10.68	33.25	30.61	47.67	60.99	122.20	-61.21 peak
4	5745.000	10.77	33.29	30.60	100.67	114.13	-----	----- peak

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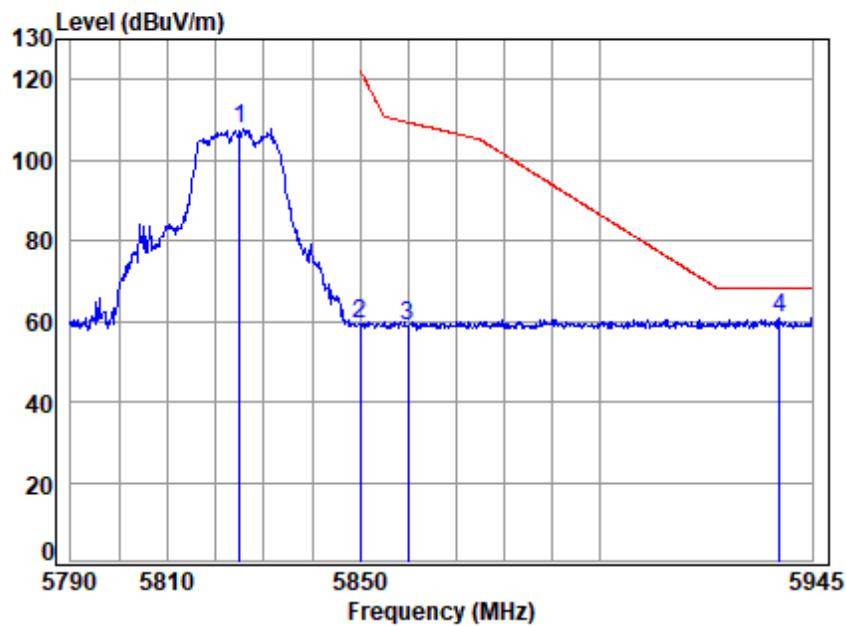
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Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 01683TL/01684TL
Mode : 5825 Band edge
: 5.8G Wi-Fi 11n20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5825.000	10.99	33.50	30.57	93.85	107.77	----- peak
2	5850.000	10.95	33.60	30.56	45.28	59.27	122.20 -62.93 peak
3	5860.000	10.94	33.58	30.56	45.09	59.05	109.40 -50.35 peak
4 pp	5938.094	10.86	33.58	30.52	46.81	60.73	68.20 -7.47 peak

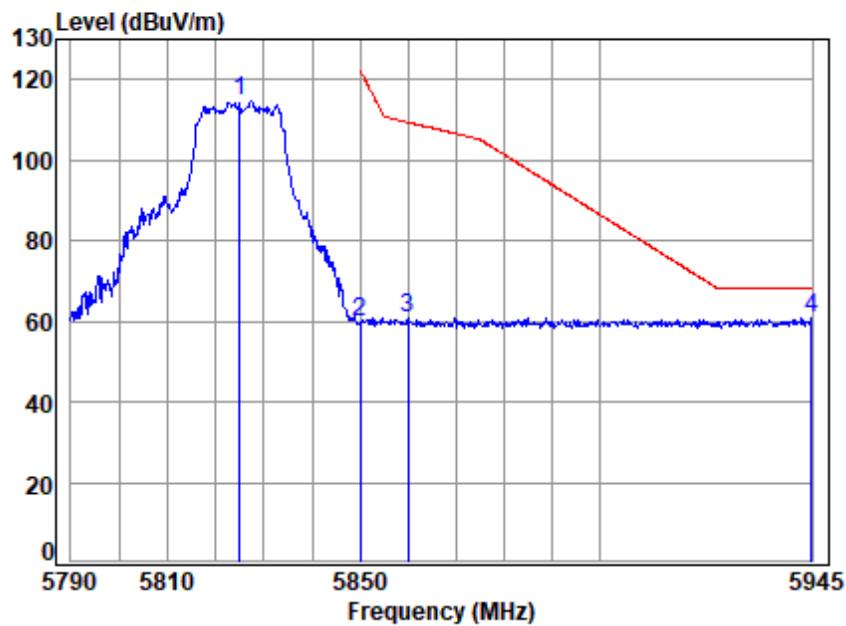
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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5825 Band edge

: 5.8G Wi-Fi 11n20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5825.000	10.99	33.50	30.57	100.82	114.74	-----	-----	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	46.60	60.56	109.40	-48.84	peak
4 pp	5944.843	10.85	33.59	30.52	46.68	60.60	68.20	-7.60	peak

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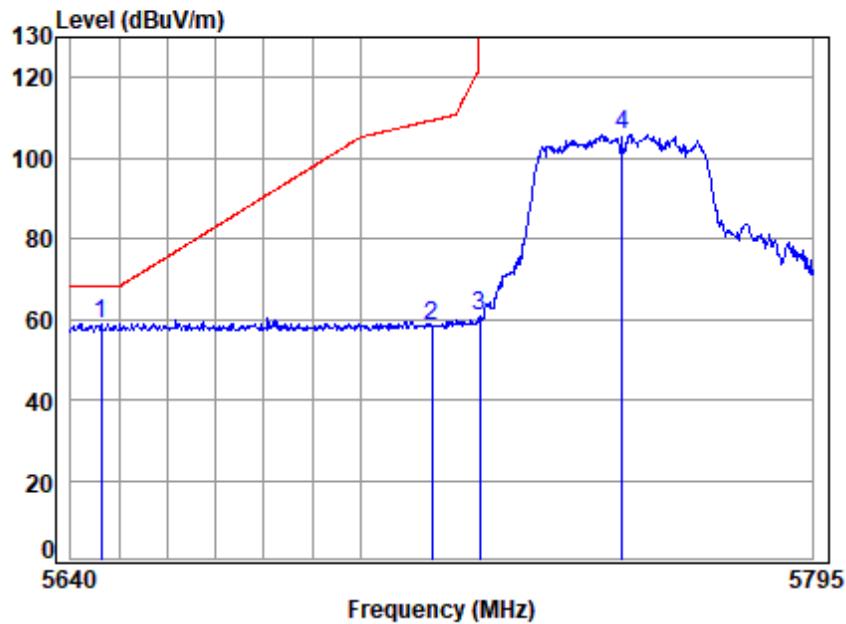
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Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 01683TL/01684TL
Mode : 5755 Band edge
: 5.8G Wi-Fi 11n40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level	Level	Line		
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5646.273	10.48	33.09	30.64	46.03	58.96	68.20	-9.24 peak
2	5715.000	10.63	33.23	30.61	44.87	58.12	109.40	-51.28 peak
3	5725.000	10.68	33.25	30.61	47.45	60.77	122.20	-61.43 peak
4	5755.000	10.81	33.31	30.60	92.37	105.89	-----	----- peak

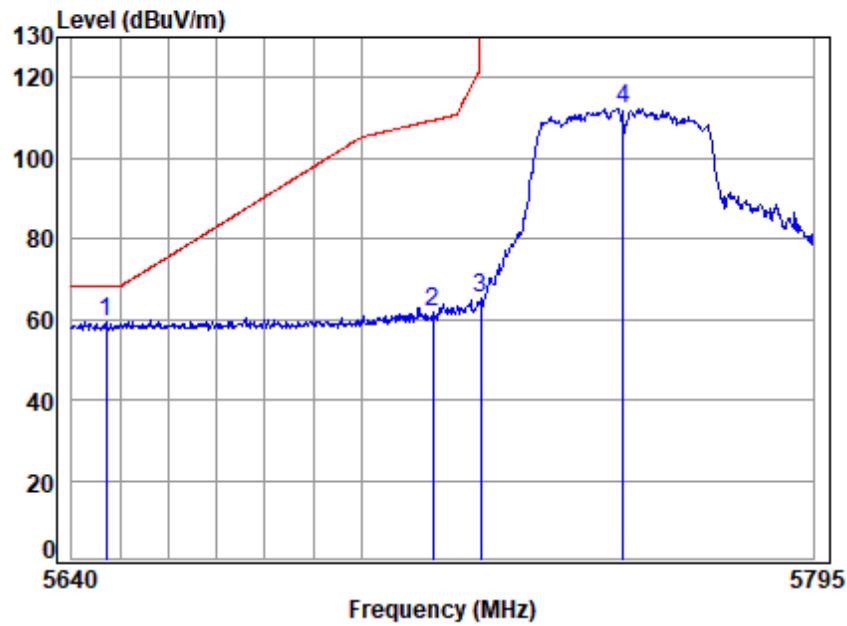
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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5755 Band edge

: 5.8G Wi-Fi 11n40

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dB/m			
1 pp	5647.038	10.48	33.09	30.64	46.25	59.18	68.20	-9.02 peak
2	5715.000	10.63	33.23	30.61	48.41	61.66	109.40	-47.74 peak
3	5725.000	10.68	33.25	30.61	51.82	65.14	122.20	-57.06 peak
4	5755.000	10.81	33.31	30.60	98.84	112.36	-----	----- peak

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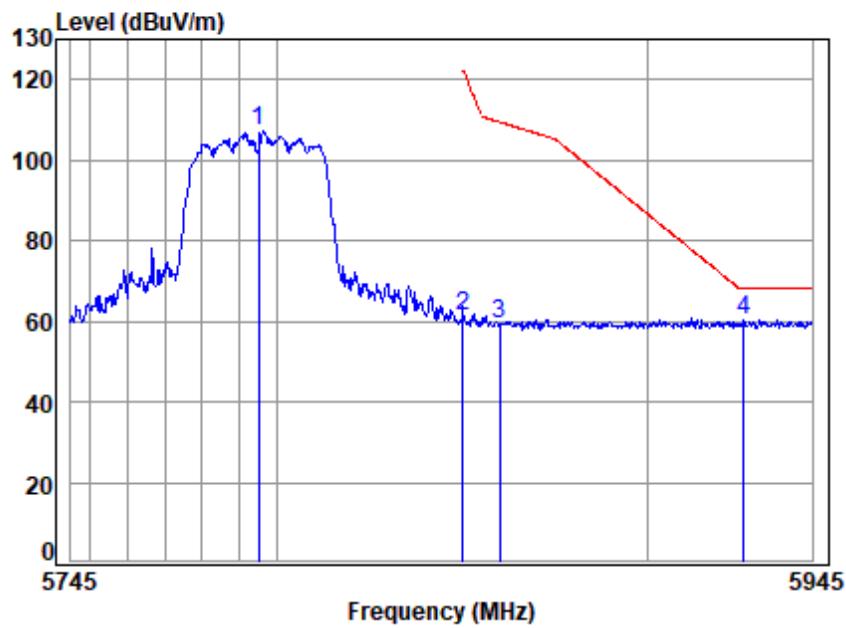
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Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 01683TL/01684TL
Mode : 5795 Band edge
: 5.8G Wi-Fi 11n40

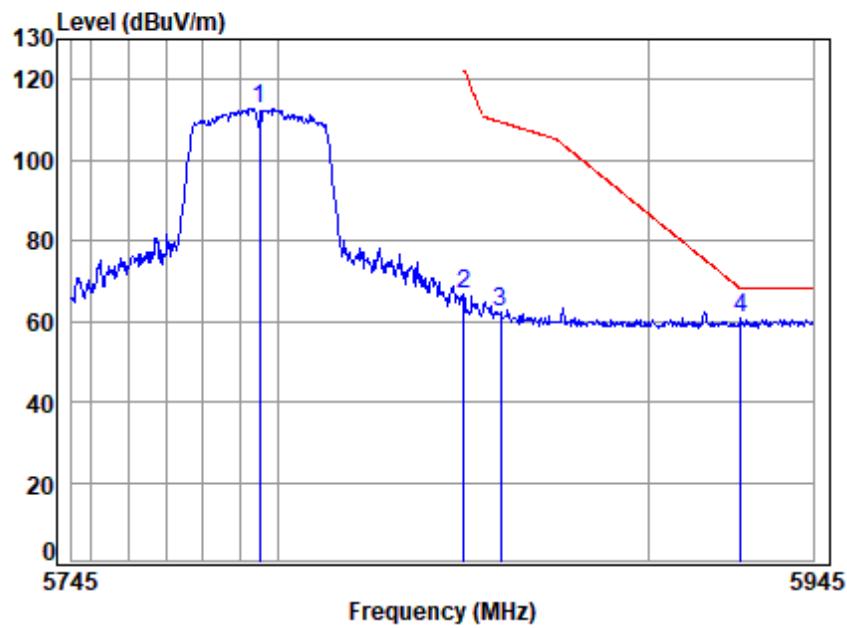
	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level	Level	Line	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5795.000	11.00	33.39	30.58	93.22	107.03	-----	----- peak
2	5850.000	10.95	33.60	30.56	47.27	61.26	122.20	-60.94 peak
3	5860.000	10.94	33.58	30.56	45.36	59.32	109.40	-50.08 peak
4 pp	5926.313	10.87	33.55	30.53	46.45	60.34	68.20	-7.86 peak



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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5795 Band edge

: 5.8G Wi-Fi 11n40

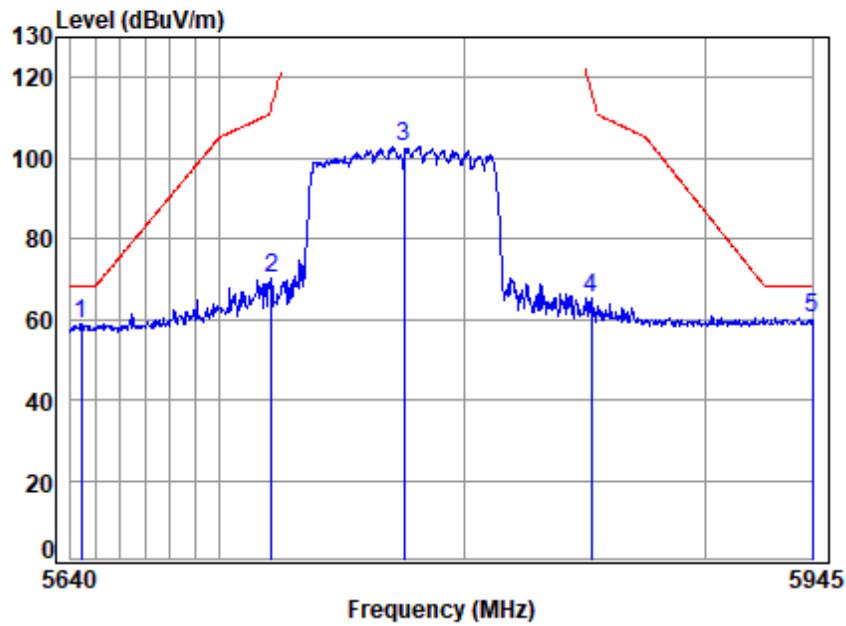
	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Limit Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m		dB	dBuV	dBuV/m	dBuV/m	dB
1	5795.000	11.00	33.39	30.58	99.02	112.83	-----	-----	peak
2	5850.000	10.95	33.60	30.56	52.62	66.61	122.20	-55.59	peak
3	5860.000	10.94	33.58	30.56	48.51	62.47	109.40	-46.93	peak
4 pp	5925.299	10.87	33.55	30.53	46.86	60.75	68.20	-7.45	peak



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Test Mode: 05; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



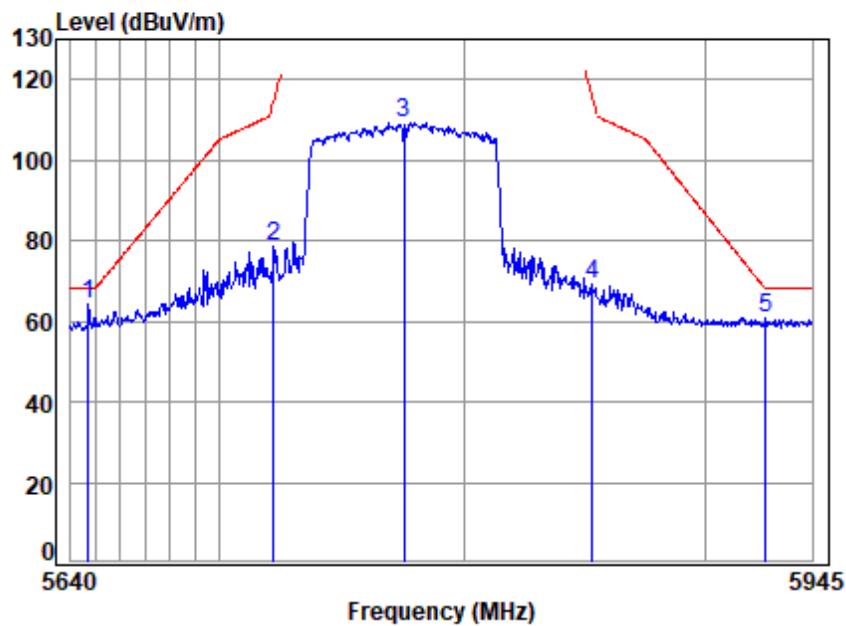
Condition: 3m HORIZONTAL
Job No : 01683TL/01684TL
Mode : 5775 Band edge
: 5.8G Wi-Fi 11ac80

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5644.160	10.48	33.09	30.64	46.05	58.98	68.20 -9.22 Peak
2	5721.075	10.66	33.24	30.61	57.13	70.42	113.25 -42.83 peak
3	5775.000	10.91	33.35	30.59	89.25	102.92	----- peak
4	5852.424	10.95	33.60	30.56	51.37	65.36	116.67 -51.31 peak
5 pp	5945.000	10.85	33.59	30.52	46.35	60.27	68.20 -7.93 peak

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Test Mode: 05; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5775 Band edge

: 5.8G Wi-Fi 11ac80

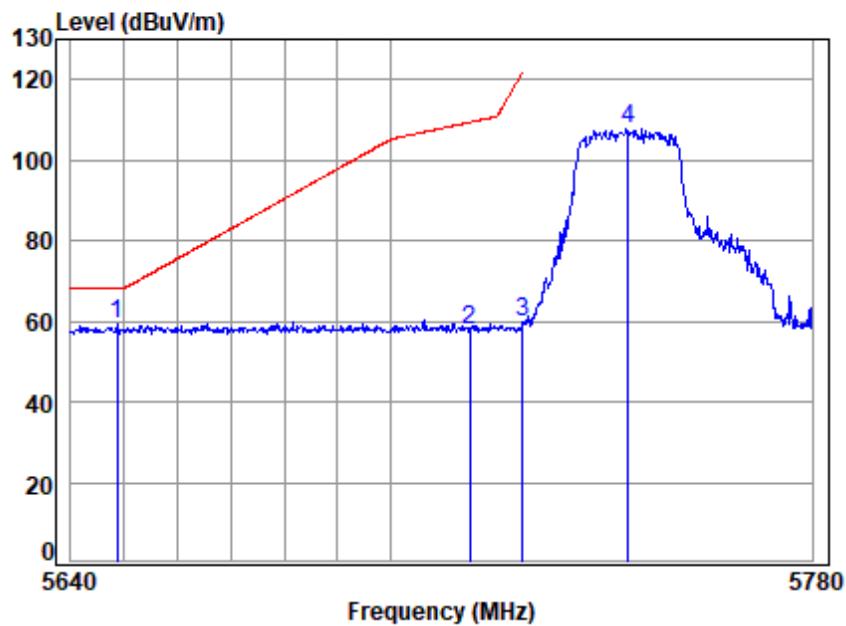
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1 pp	5646.836	10.48	33.09	30.64	51.48	64.41	68.20 -3.79 Peak
2	5721.677	10.66	33.24	30.61	65.44	78.73	114.62 -35.89 peak
3	5775.000	10.91	33.35	30.59	95.50	109.17	----- peak
4	5853.041	10.95	33.59	30.56	55.01	68.99	115.27 -46.28 peak
5	5925.307	10.87	33.55	30.53	46.84	60.73	68.20 -7.47 peak

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 01683TL/01684TL
Mode : 5745 Band edge
: 5.8G Wi-Fi 11ax20

Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				dB	dBuV			
1 pp	5648.719	10.48	33.10	30.64	46.27	59.21	68.20	-8.99 peak
2	5715.000	10.63	33.23	30.61	44.83	58.08	109.40	-51.32 peak
3	5725.000	10.68	33.25	30.61	46.37	59.69	122.20	-62.51 peak
4	5745.000	10.77	33.29	30.60	94.09	107.55	-----	----- peak

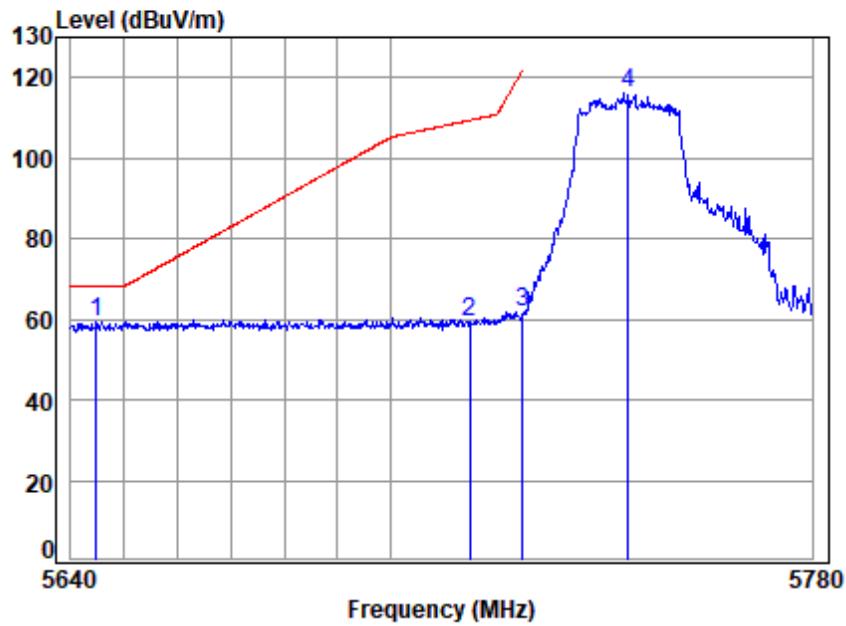
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Test Mode: 05; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5745 Band edge

: 5.8G Wi-Fi 11ax20

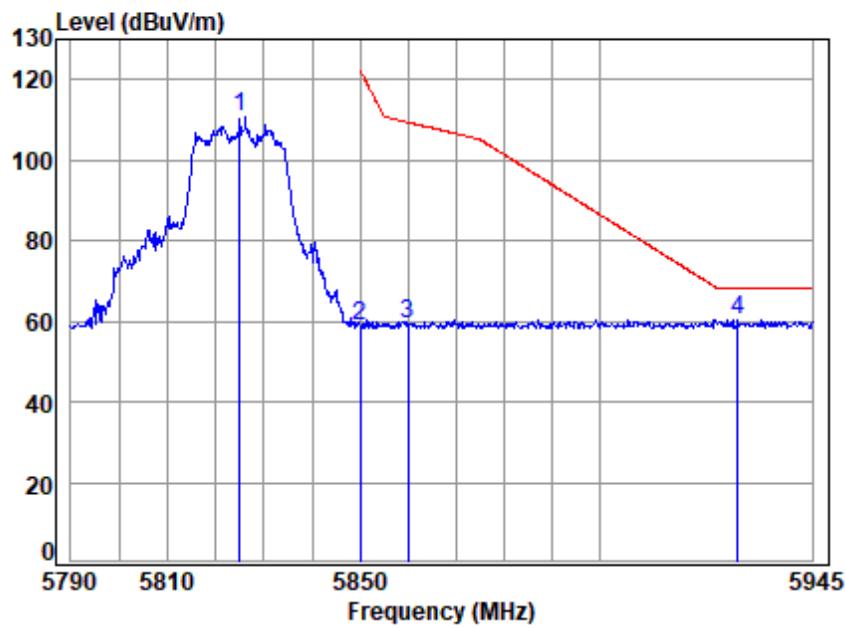
Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level		Limit Line	Over Limit	Remark
				Level	dBuV			
1 pp	5644.842	10.48	33.09	30.64	46.47	59.40	68.20	-8.80 peak
2	5715.000	10.63	33.23	30.61	45.97	59.22	109.40	-50.18 peak
3	5725.000	10.68	33.25	30.61	48.41	61.73	122.20	-60.47 peak
4	5745.000	10.77	33.29	30.60	102.85	116.31	-----	----- peak

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL
Job No : 01683TL/01684TL
Mode : 5825 Band edge
: 5.8G Wi-Fi 11ax20

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5825.000	10.99	33.50	30.57	96.71	110.63	----- peak
2	5850.000	10.95	33.60	30.56	44.89	58.88	122.20 -63.32 peak
3	5860.000	10.94	33.58	30.56	45.47	59.43	109.40 -49.97 peak
4 pp	5929.315	10.87	33.56	30.53	46.53	60.43	68.20 -7.77 peak

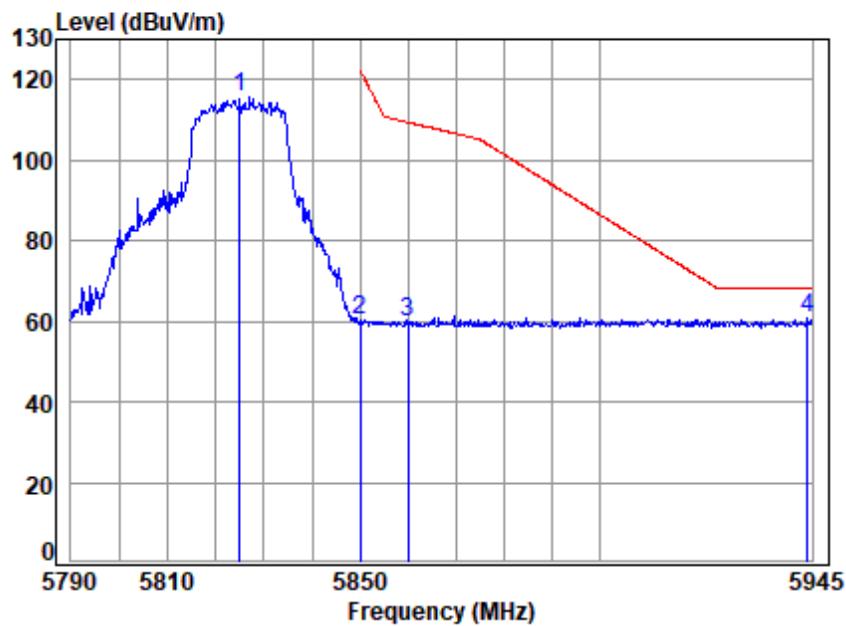
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Shenzhen Branch (SGS-CSTC) Laboratory.

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Test Mode: 05; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5825 Band edge

: 5.8G Wi-Fi 11ax20

	Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
		Loss	Factor	Factor	Level	Level	Line	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5825.000	10.99	33.50	30.57	101.52	115.44	-----	----- peak
2	5850.000	10.95	33.60	30.56	46.17	60.16	122.20	-62.04 peak
3	5860.000	10.94	33.58	30.56	45.95	59.91	109.40	-49.49 peak
4 pp	5944.058	10.85	33.59	30.52	47.00	60.92	68.20	-7.28 peak

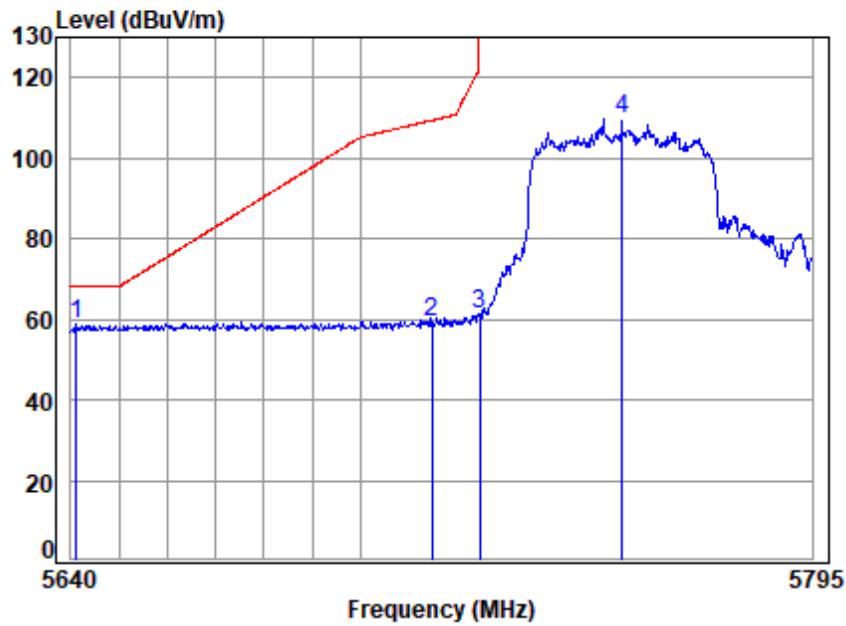
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Test Mode: 05; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m HORIZONTAL
Job No : 01683TL/01684TL
Mode : 5755 Band edge
: 5.8G Wi-Fi 11ax40

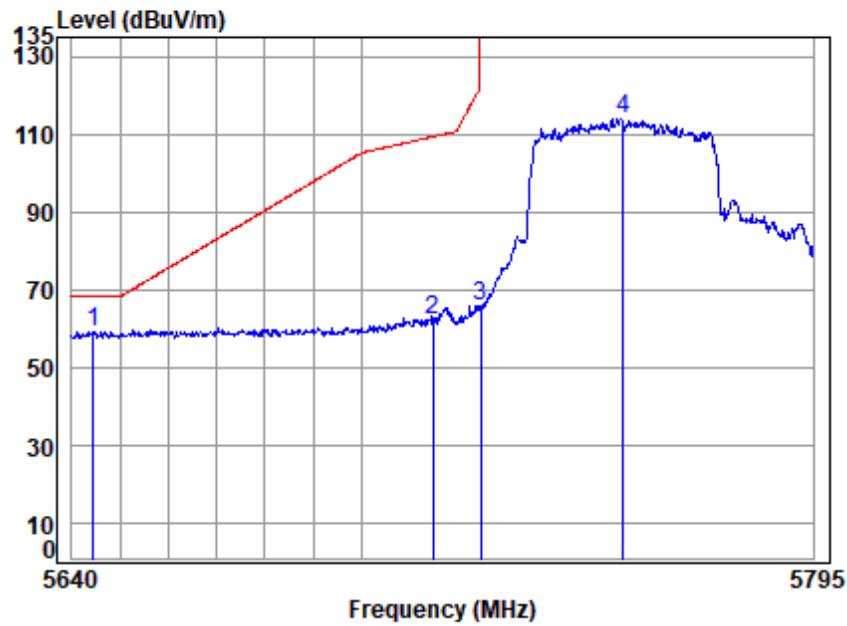
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1 pp	5641.224	10.47	33.08	30.64	45.90	58.81	68.20 -9.39 peak
2	5715.000	10.63	33.23	30.61	46.25	59.50	109.40 -49.90 peak
3	5725.000	10.68	33.25	30.61	48.21	61.53	122.20 -60.67 peak
4	5755.000	10.81	33.31	30.60	96.28	109.80	----- ----- peak



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Test Mode: 05; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:Low



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5755 Band edge

: 5.8G Wi-Fi 11ax40

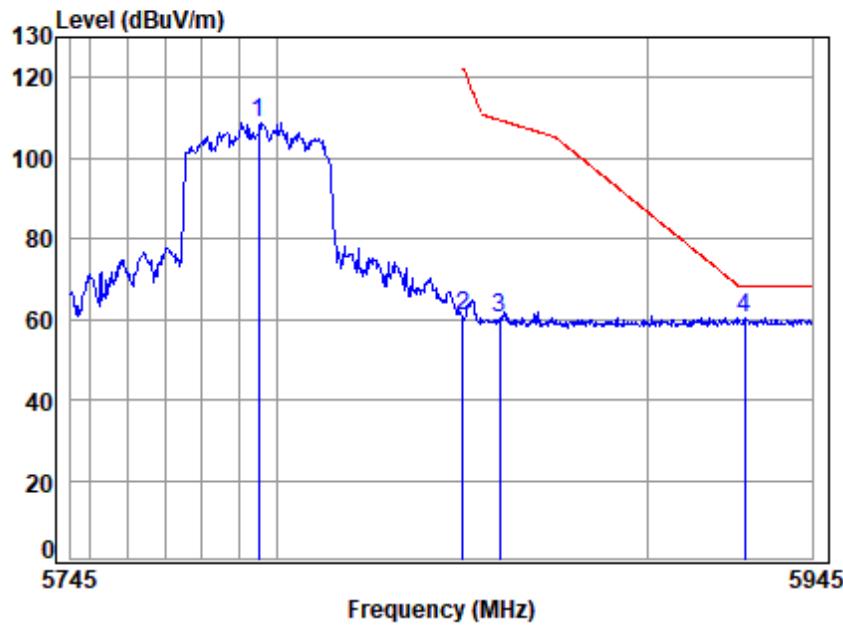
Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	Loss	Factor	Factor	Level				
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	5644.436	10.48	33.09	30.64	46.30	59.23	68.20	-8.97 peak
2	5715.000	10.63	33.23	30.61	49.10	62.35	109.40	-47.05 peak
3	5725.000	10.68	33.25	30.61	52.36	65.68	122.20	-56.52 peak
4	5755.000	10.81	33.31	30.60	100.68	114.20	-----	----- peak

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



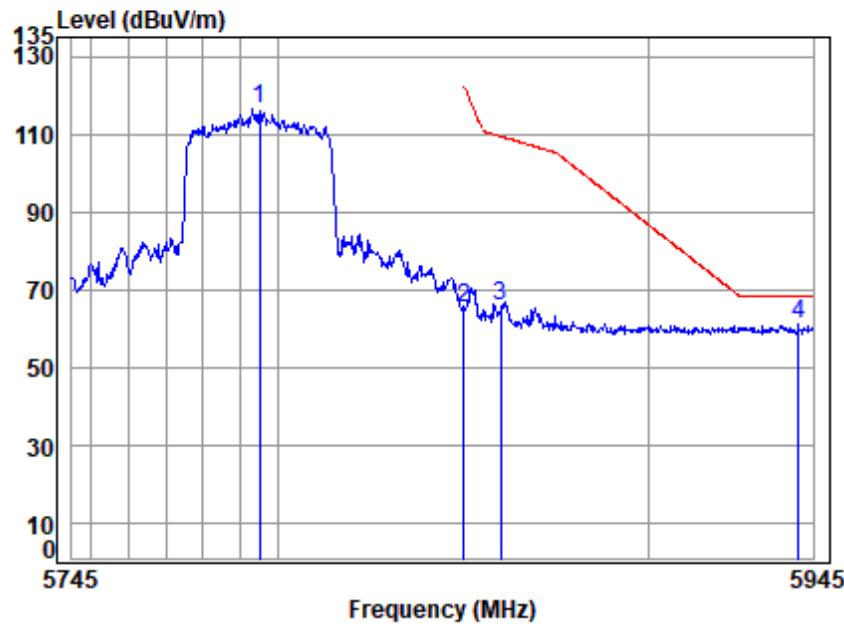
Condition: 3m HORIZONTAL
Job No : 01683TL/01684TL
Mode : 5795 Band edge
: 5.8G Wi-Fi 11ax40

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1	5795.000	11.00	33.39	30.58	95.17	108.98	----- peak
2	5850.000	10.95	33.60	30.56	46.92	60.91	122.20 -61.29 peak
3	5860.000	10.94	33.58	30.56	46.39	60.35	109.40 -49.05 peak
4 pp	5926.516	10.87	33.55	30.53	46.22	60.11	68.20 -8.09 peak

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Test Mode: 05; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:40MHz; Channel:High



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5795 Band edge

: 5.8G Wi-Fi 11ax40

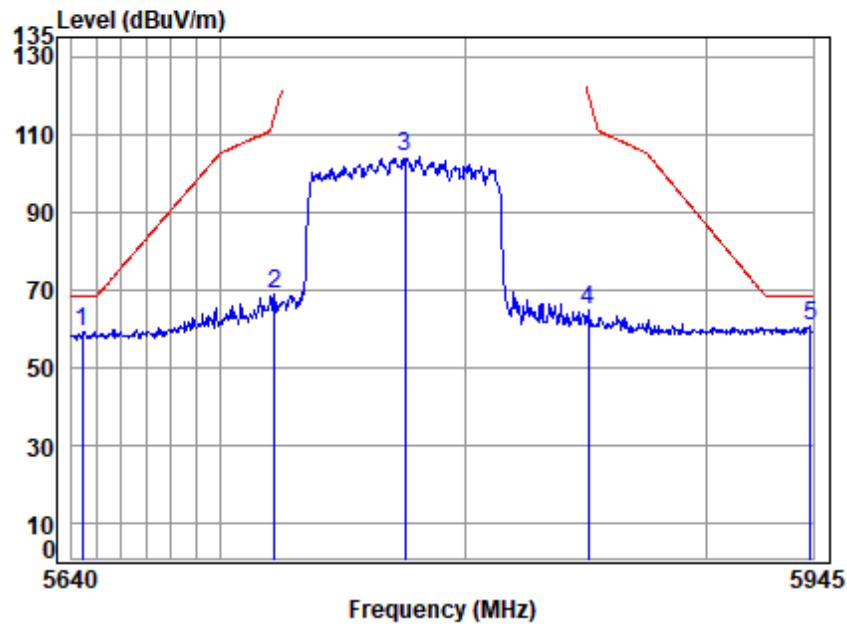
	Cable Freq	Ant Loss	Preamp Factor	Read Level	Limit Level	Line dBuV/m	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	5795.000	11.00	33.39	30.58	102.57	116.38	-----	----- peak
2	5850.000	10.95	33.60	30.56	51.38	65.37	122.20	-56.83 peak
3	5860.000	10.94	33.58	30.56	51.59	65.55	109.40	-43.85 peak
4 pp	5940.933	10.86	33.58	30.52	47.39	61.31	68.20	-6.89 peak



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Test Mode: 05; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m HORIZONTAL
Job No : 01683TL/01684TL
Mode : 5775 Band edge
: 5.8G Wi-Fi 11ax80

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark	
	MHz	Loss	Factor	Factor	Level	Level	Line	Limit
1	5644.160	10.48	33.09	30.64	46.03	58.96	68.20	-9.24 Peak
2	5721.979	10.66	33.24	30.61	55.70	68.99	115.31	-46.32 peak
3	5775.000	10.91	33.35	30.59	90.52	104.19	-----	----- peak
4	5850.883	10.95	33.60	30.56	50.86	64.85	120.19	-55.34 peak
5 pp	5943.748	10.86	33.59	30.52	46.64	60.57	68.20	-7.63 peak

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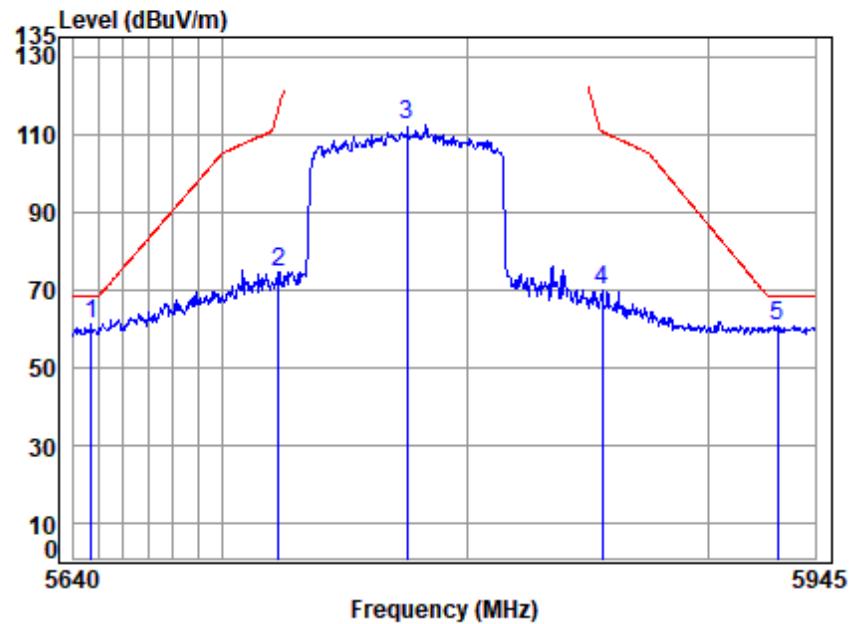
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Test Mode: 05; Polarity: Vertical; Modulation:802.11ax(Full RU0); Bandwidth:80MHz; Channel:middle



Condition: 3m VERTICAL

Job No : 01683TL/01684TL

Mode : 5775 Band edge

: 5.8G Wi-Fi 11ax80

Freq	Cable	Ant	Preamp	Read	Limit	Over	Remark
	MHz	Loss	Factor	Level	Level	Line	
1 pp	5646.836	10.48	33.09	30.64	47.95	60.88	68.20 -7.32 Peak
2	5722.582	10.66	33.25	30.61	60.99	74.29	116.69 -42.40 peak
3	5775.000	10.91	33.35	30.59	98.85	112.52	----- peak
4	5855.815	10.95	33.59	30.56	55.82	69.80	110.57 -40.77 peak
5	5929.366	10.87	33.56	30.53	46.92	60.82	68.20 -7.38 peak

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7 Test Setup Photo

Refer to Appendix - Test Setup Photo for SZCR2504001683TL

8 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for SZCR2504001683TL

- End of the Report -



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