TEST REPORT

Application No.:	SZCR2503000881WM
Applicant:	NOTHING TECHNOLOGY LIMITED
Address of Applicant:	Bedford House, 21A John Street, London, United Kingdom WC1N 2BF
Manufacturer:	NOTHING TECHNOLOGY LIMITED
Address of Manufacturer:	Bedford House, 21A John Street, London, United Kingdom WC1N 2BF
Equipment Under Test (EUT):	
EUT Name:	Smart Phone
Model No.:	A024
Trade Mark:	NOTHING
FCC ID:	2AZEQ-A024
Standard(s) :	47 CFR Part 15, Subpart E 15.407
Date of Receipt:	2025-03-10
Date of Test:	2025-03-21 to 2025-04-23
Date of Issue:	2025-05-06
Test Result:	**Pass***

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

Keny Xu
EMC Laboratory Manager

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgsgroup.com.cn
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编:518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

Revision Record				
Version	**Chapter**	**Date**	**Modifier**	**Remark**
01		2025-05-06		Original

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

2 Test Summary

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

Radio Spectrum Matter Part				
Item	**Standard**	**Method**	**Requirement**	**Result**
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart E 15.407	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(9)	Pass
Maximum Conducted output power		ANSI C63.10 (2013) Section 12.3	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Radiated Emissions (Below 1GHz)		ANSI C63.10 (2013) Section 6.4,6.5	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Radiated Emissions (Above 1GHz)		ANSI C63.10 (2013) Section 6.6	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Radiated Emissions which fall in the restricted bands		ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)	Pass
Channel Move Time		KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass
Duty Cycle		ANSI C63.10 (2013) Section 12.2	ANSI C63.10 (2013) Section 12.2	Pass
99% Bandwidth		ANSI C63.10 (2013) Section 12.4.2	ANSI C63.10 (2013) Section 12.4.2	Pass
26dB Emission bandwidth		ANSI C63.10 (2013) Section 12.4.1	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Minimum 6 dB bandwidth (5.725-5.85 GHz band)		ANSI C63.10 (2013) Section 6.9.2	47 CFR Part 15, Subpart E 15.407 (e)	Pass
Peak Power spectrum density		ANSI C63.10 (2013) Section 12.5	47 CFR Part 15, Subpart E 15.407 (a)	Pass
Frequency Stability		ANSI C63.10 (2013) Section 6.8	47 CFR Part 15, Subpart E 15.407 (g)	Pass
Channel Closing Transmission Time		KDB 905462 D02 Section 7.8.3	KDB 905462 D02 Section 5.1	Pass

3 Contents

4 General Information

4.1 Details of E.U.T.

Power supply:	DC3.86V by li-ion battery(5150mAh) Battery M/N:NT05A Battery Manufacturer: Shenzhen Sunwoda Intelligence Technology Co.,Ltd. Recharged by AC/DC power adapter Adapter M/N:C286 Adapter Manufacturer: NOTHING Adapter Input:AC100-240V, 50/60Hz, 1.7A Adapter Output: USB C1/C2: DC5V/3A, 9V/3A, 12V/3A, 15V/3A, 20V/3.25A(65W max) USB A:DC5V/3A, 9V/3A, 12V/3A C1+C2:45W+20W C1+A:45W+18W C2+A:share 15W C1+C2+A:45W+15W
Cable(s):	USB Type C to C cable: 1m shielded cable without ferrite core
Cable Loss (for RF conducted test):	1.5dB
Operation Frequency / Number of channels (20MHz):	U-NII-1:5180-5240MHz (4 Channels) U-NII-2A: 5260-5320MHz (4 Channels) U-NII-2C: 5500-5720MHz (12 Channels) U-NII-3: 5745-5825MHz (5 Channels)
Operation Frequency / Number of channels(40MHz):	U-NII-1:5190-5230MHz (2 Channels) U-NII-2A: 5270-5310MHz (2 Channels) U-NII-2C: 5510-5710MHz (6 Channels) U-NII-3: 5755-5795MHz (2 Channels)
Operation Frequency / Number of channels (80MHz):	U-NII-1:5210MHz (1 Channel) U-NII-2A: 5290MHz (1 Channel) U-NII-2C: 5530-5690MHz (3 Channels) U-NII-3: 5775MHz (1 Channel)
Operation Frequency / Number of channels (160MHz):	U-NII-1/2A:5250MHz (1 Channel) U-NII-2C: 5570MHz (1 Channel)
Modulation Type:	802.11a: OFDM (BPSK, QPSK, 16QAM, 64QAM); 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM); 802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM); 802.11ax: OFDMA (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM); 802.11be: OFDMA with enhancements (BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM)

Channel Spacing:	802.11a/n/ac/ax/be 20: 20MHz; 802.11n/ac/ax/be 40: 40MHz; 802.11ac/ax/be 80: 80MHz; 802.11ac/ax/be 160: 320MHz
DFS Function:	Slave without Radar detection
TPC Function:	Without TPC function
Antenna Type:	Metal frame Antenna
Antenna Gain:	Band1:Ant6: -1.49dBi; ant5: -0.55dBi; Band2A:Ant6: -1.26dBi; ant5: -0.11dBi; Band2C:Ant6: -1.64dBi; ant5: -0.71dBi; Band3:Ant6: -2.15dBi; ant5: -2.31dBi

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.	FCC ID
--	--	--	--	--
The EUT has been tested as an independent unit.				

4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at AC Power Line (150kHz-30MHz)	± 3.1dB
Maximum Conducted output power	± 0.75dB
Radiated Emissions (Below 1GHz)	± 6.0dB for 3m; ± 5.0dB for 10m
Radiated Emissions (Above 1GHz)	± 4.6dB (1-18GHz);± 4.8dB (18-40GHz)
Radiated Emissions which fall in the restricted bands	± 6.0dB (below 1GHz); ± 4.6dB (above 1GHz);
Duty Cycle	± 0.37%
99% Bandwidth	± 3%
26dB Emission bandwidth	± 3%
Minimum 6 dB bandwidth (5.725-5.85 GHz band)	± 3%
Peak Power spectrum density	± 2.84dB
Frequency Stability	± 7.25 x 10-8

4.4 Test Location

All tests were performed at:

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

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

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

No tests were sub-contracted.

4.5 Test Facility

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

• A2LA (Certificate No. 3816.01)

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

• VCCI (Member No. 1937)

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

• FCC –Designation Number: CN1336

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

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

• Innovation, Science and Economic Development Canada

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

CAB identifier: CN0006.

IC#: 4620C.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None

5 Equipment List

Conducted Emissions at AC Power Line (150kHz-30MHz)					
Equipment	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal Date**	**Cal Due Date**
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2022-05-14	2025-05-13
EMI Test Receiver	Rohde&Schwarz	ESR	SZ-WRG-M-047	2025-01-08	2026-01-07
Matching Pad	N/A	N/A	SEM021-23	2025-03-19	2026-03-18
Matching Pad	N/A	N/A	SEM021-24	2025-03-19	2026-03-18
Measurement Software	AUDIX	e3 V8.2014-6-27a	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2024-07-06	2025-07-05
LISN	Rohde&Schwarz	ENV216	SEM007-01	2024-08-15	2025-08-14
LISN	ETS-LINDGREN	3816/2	SEM007-02	2025-03-03	2026-03-02

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

Radiated Emissions which fall in the restricted bands

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

RF Conducted Test

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2024-08-14	2025-08-13
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-21	2025-03-04	2026-03-03
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-22	2025-03-03	2026-03-02
Signal Generator	KEYSIGHT	N5173B	SEM006-05	2024-09-14	2025-09-13
Signal Generator	KEYSIGHT	N5182A	SEM006-05	2025-03-03	2026-03-02
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2024-07-06	2025-07-05
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2025-03-03	2026-03-02
Programmable Temperature & Humidity Chamber	Votsch Industrietechnik GmbH	VT 4002	SEM002-15	2025-02-26	2026-02-25

General used equipment

Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	deli	8838	SEM002-32	2024-07-24	2025-07-23
Humidity/ Temperature Indicator	deli	8838	SEM002-33	2024-07-24	2025-07-23
Barometer	Changchun	DYM3	SEM002-01	2025-03-03	2026-03-02

	Meteorological Industry Factory				

6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

6.1.2 Conclusion

15.203 requirement:

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

EUT Antenna:

The antenna is a Metal frame Antenna, and the connection port is integrated inside the product, and the antenna cannot be replaced.

The best-case gain of the antenna is

Band1:Ant6: -1.49dBi; ant5: -0.55dBi, directional gain:2.46dBi;

Band2A:Ant6: -1.26dBi; ant5: -0.11dBi, directional gain:2.9dBi;

Band2C:Ant6: -1.64dBi; ant5: -0.71dBi, directional gain:2.3dBi;

Band3:Ant6: -2.15dBi; ant5: -2.31dBi, directional gain:0.7dBi;*

**Note:*

The antenna gain are derived from the gain information report provided by the manufacturer.

Remark:

As above information is provided and confirmed by the applicant. SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

6.2 Transmission in the Absence of Data

6.2.1 Test Requirement:

47 CFR Part 15, Subpart E 15.407 (c)

6.2.2 Conclusion

Standard Requirement:

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

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

EUT Details:

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

7 Radio Spectrum Matter Test Results

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

Test Requirement 47 CFR Part 15, Subpart C 15.207 & Subpart E 15.407 b(9)
Test Method: ANSI C63.10 (2013) Section 6.2

Limit:

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

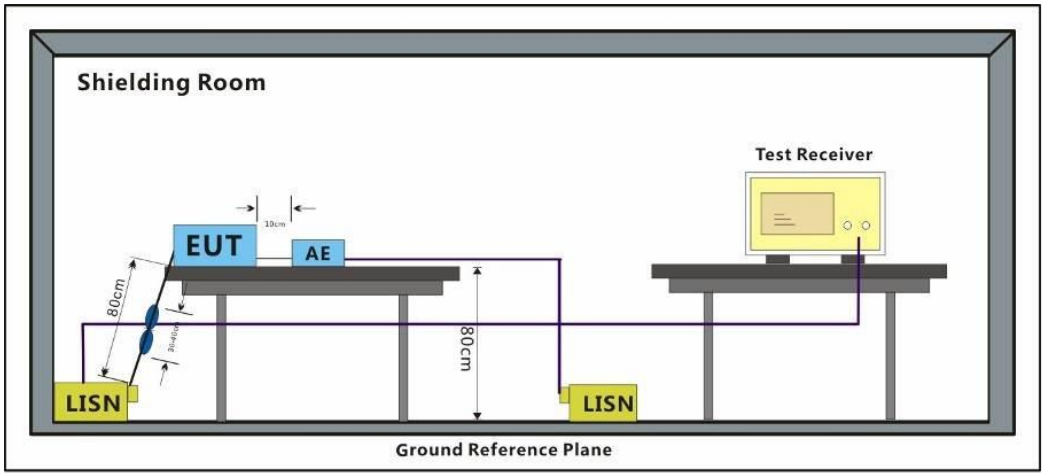
7.1.1 E.U.T. Operation

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

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Pre-scan	06	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Pre-scan	07	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Pre-scan	08	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.1.3 Test Setup Diagram



7.1.4 Measurement Procedure and Data

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

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

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

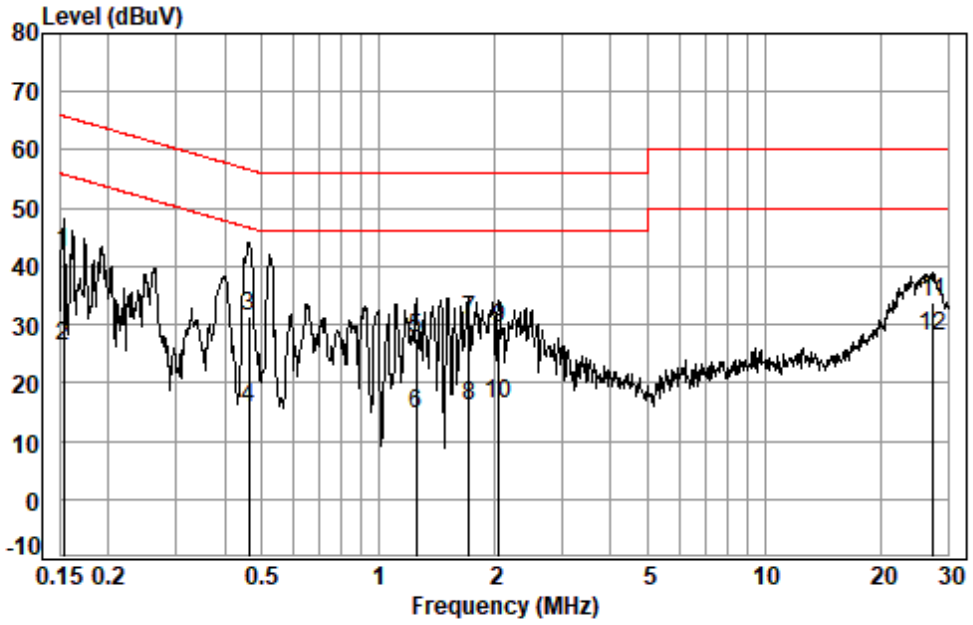
4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test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

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

Remark 1: Level=Read Level+ Cable Loss+ LISN Factor

Remark 2: Pre-test AC 120V/50-60Hz&AC 240V/50-60Hz then choose the AC 120/60Hz as worst case.

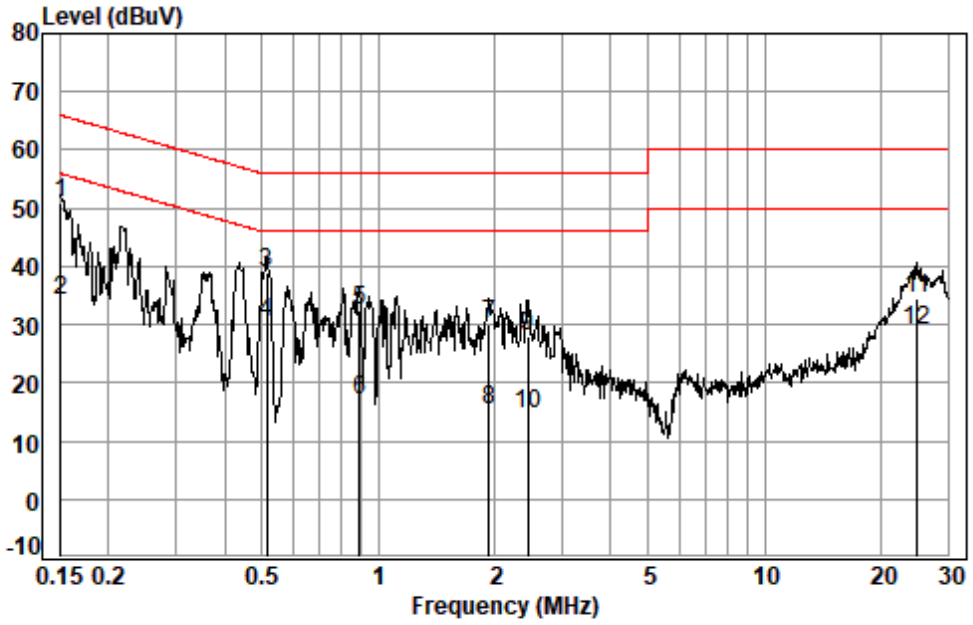
Test Mode: 05; Line: Live line



Site : Shielding Room
Condition: Line
Job No. : 00881WM
Test mode: 05

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1 *	0.1532	0.06	10.19	31.96	42.21	65.82	-23.61	QP
2	0.1532	0.06	10.19	15.85	26.10	55.82	-29.72	Average
3	0.4637	0.08	9.59	21.87	31.54	56.63	-25.09	QP
4	0.4637	0.08	9.59	5.96	15.63	46.63	-31.00	Average
5	1.2555	0.09	9.58	18.00	27.67	56.00	-28.33	QP
6	1.2555	0.09	9.58	5.05	14.72	46.00	-31.28	Average
7	1.7162	0.10	9.58	21.02	30.70	56.00	-25.30	QP
8	1.7162	0.10	9.58	6.31	15.99	46.00	-30.01	Average
9	2.0549	0.10	9.58	19.54	29.22	56.00	-26.78	QP
10	2.0549	0.10	9.58	6.55	16.23	46.00	-29.77	Average
11	27.4160	0.36	10.43	23.04	33.83	60.00	-26.17	QP
12 *	27.4160	0.36	10.43	17.23	28.02	50.00	-21.98	Average

Test Mode: 05; Line: Neutral Line



Site : Shielding Room
Condition: Neutral
Job No. : 00881WM
Test mode: 05

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1 *	0.1508	0.06	10.15	40.83	51.04	65.96	-14.92	QP
2	0.1508	0.06	10.15	24.05	34.26	55.96	-21.70	Average
3	0.5155	0.08	9.70	29.12	38.90	56.00	-17.10	QP
4 *	0.5155	0.08	9.70	20.49	30.27	46.00	-15.73	Average
5	0.8944	0.09	9.57	22.69	32.35	56.00	-23.65	QP
6	0.8944	0.09	9.57	7.24	16.90	46.00	-29.10	Average
7	1.9386	0.10	9.55	20.52	30.17	56.00	-25.83	QP
8	1.9386	0.10	9.55	5.57	15.22	46.00	-30.78	Average
9	2.4346	0.11	9.55	18.46	28.12	56.00	-27.88	QP
10	2.4346	0.11	9.55	4.91	14.57	46.00	-31.43	Average
11	24.9221	0.34	10.44	23.87	34.65	60.00	-25.35	QP
12	24.9221	0.34	10.44	18.21	28.99	50.00	-21.01	Average

7.2 Maximum Conducted output power

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

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

Limit:

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

7.2.1 E.U.T. Operation

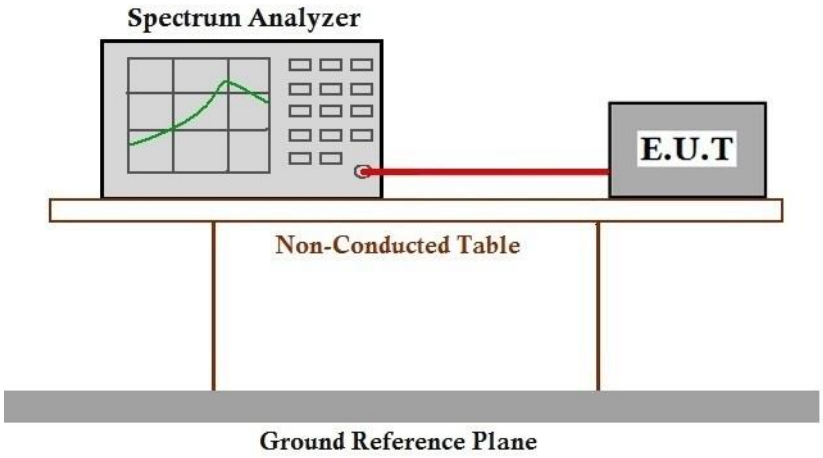
Operating Environment:

Temperature: 24.3 °C Humidity: 44.8 % RH Atmospheric Pressure: 1020 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	07	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	08	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.2.3 Test Setup Diagram



7.2.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.3 Radiated Emissions (Below 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)
Test Method: ANSI C63.10 (2013) Section 6.4,6.5
Measurement Distance: 3m

Limit:

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

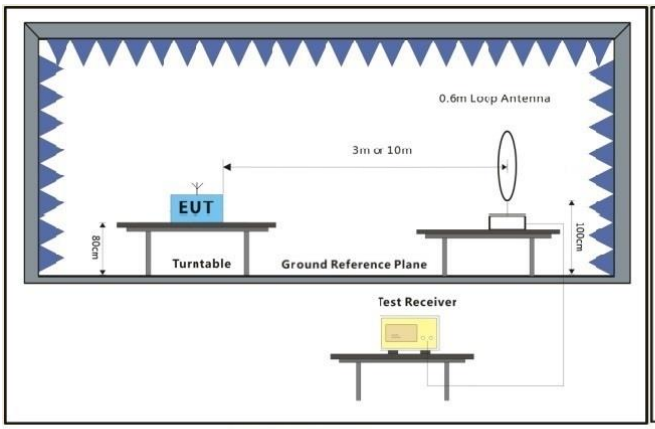
7.3.1 E.U.T. Operation

Operating Environment:
Temperature: 23.5 °C Humidity: 46.8 % RH Atmospheric Pressure: 1020 mbar

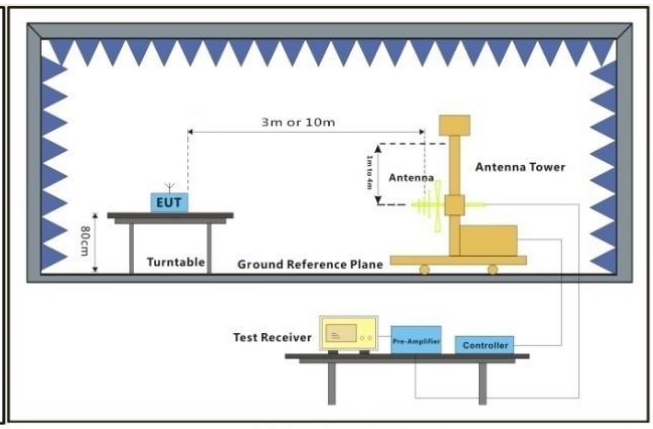
7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Pre-scan	06	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Pre-scan	07	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Pre-scan	08	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.3.3 Test Setup Diagram



Below 30MHz



30MHz-1GHz

7.3.4 Measurement Procedure and Data

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

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

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

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

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

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

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

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

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

Remark:

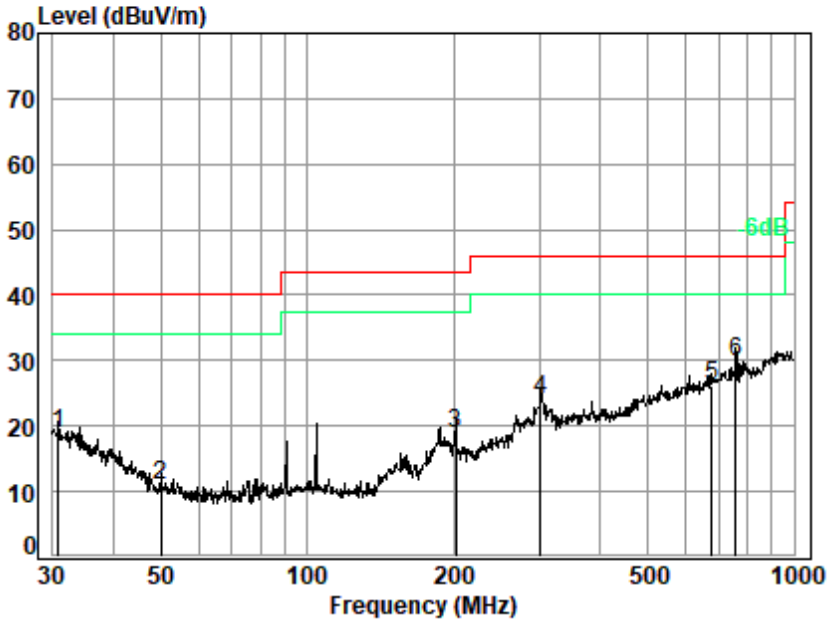
1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

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

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

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.

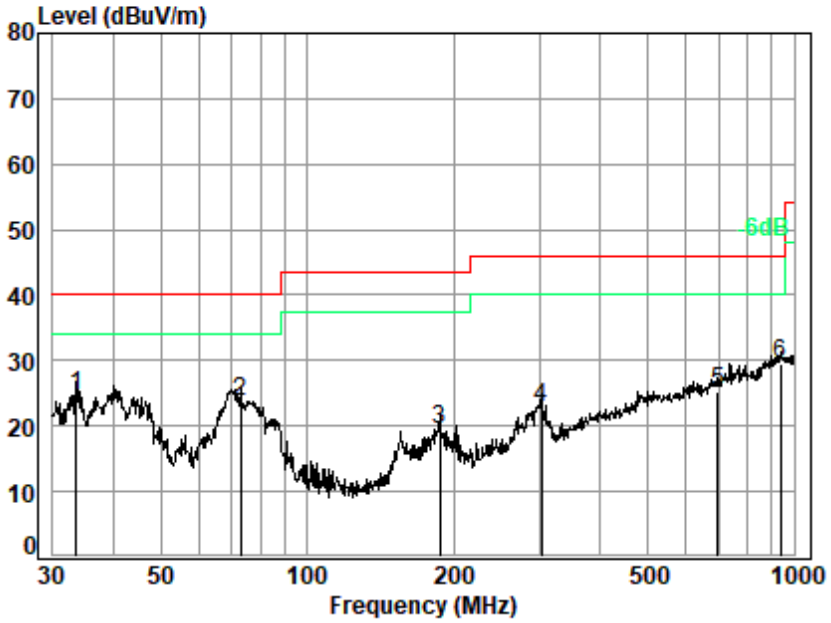
Test Mode: 05; Polarity: Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 00881WM/00882WM
Test Mode: 05

	Freq	Ant Factor	Cable Loss	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	30.853	20.81	0.68	27.79	25.13	18.83	40.00	-21.17	QP
2	50.057	12.75	0.86	27.73	24.96	10.84	40.00	-29.16	QP
3	201.393	14.22	1.77	27.16	30.01	18.84	43.50	-24.66	QP
4	301.422	18.13	2.21	26.76	30.42	24.00	46.00	-22.00	QP
5	677.580	25.78	3.48	27.78	24.58	26.06	46.00	-19.94	QP
6 q	758.041	26.48	3.73	27.58	27.27	29.90	46.00	-16.10	QP

Test Mode: 05; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No. : 00881WM/00882WM
Test Mode: 05

	Freq	Ant Factor	Cable Loss	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1 q	33.562	19.63	0.71	27.78	32.08	24.64	40.00	-15.36	QP
2	72.847	10.44	1.04	27.67	40.04	23.85	40.00	-16.15	QP
3	187.096	14.30	1.71	27.22	30.78	19.57	43.50	-23.93	QP
4	302.481	18.22	2.21	26.76	29.16	22.83	46.00	-23.17	QP
5	696.857	25.88	3.53	27.73	23.57	25.25	46.00	-20.75	QP
6	938.833	28.15	4.22	26.49	23.56	29.44	46.00	-16.56	QP

7.4 Radiated Emissions (Above 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)
Test Method: ANSI C63.10 (2013) Section 6.6
Measurement Distance: 3m

Limit:

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

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

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

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

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

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

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

7.4.1 E.U.T. Operation

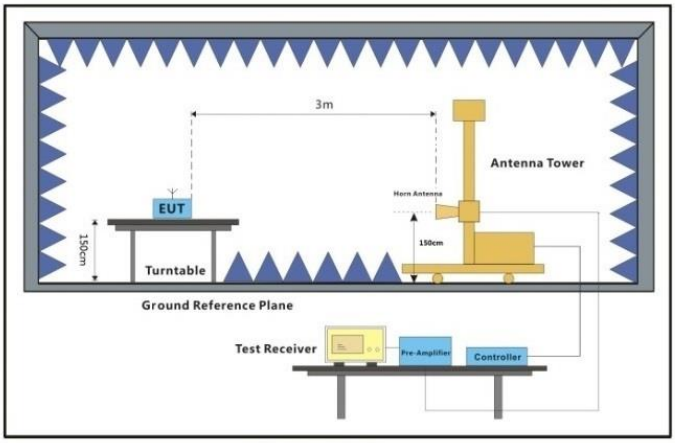
Operating Environment:

Temperature: 24.6 °C Humidity: 50.8 % RH Atmospheric Pressure: 1020 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	07	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	08	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.4.3 Test Setup Diagram



Above 1GHz

7.4.4 Measurement Procedure and Data

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

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

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

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

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

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

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

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

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

Remark:

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

2. Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

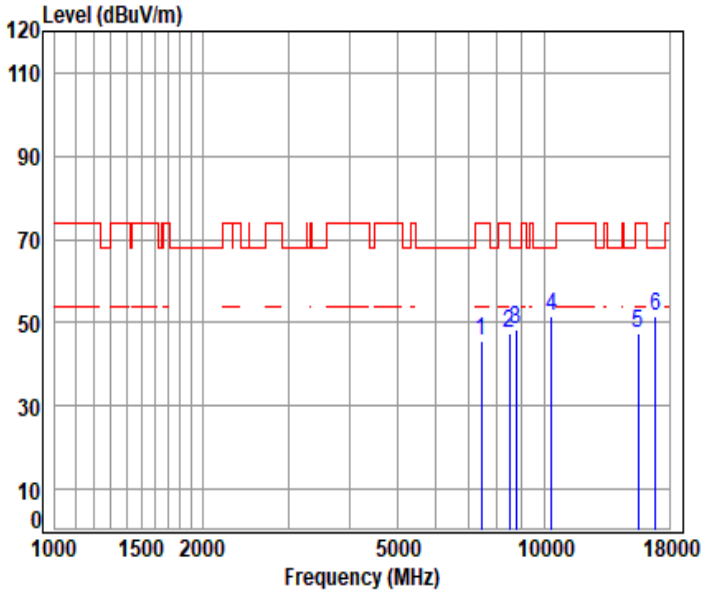
4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.

5. For devices with multiple operating modes, measurements on the middle channel is used to determine the worst-case mode(s). Only the worst case mode with the highest output power and the mode with the highest output power spectral density for each modulation family (e.g., OFDM and direct sequence spread spectrum) is recorded in the test report.

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

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

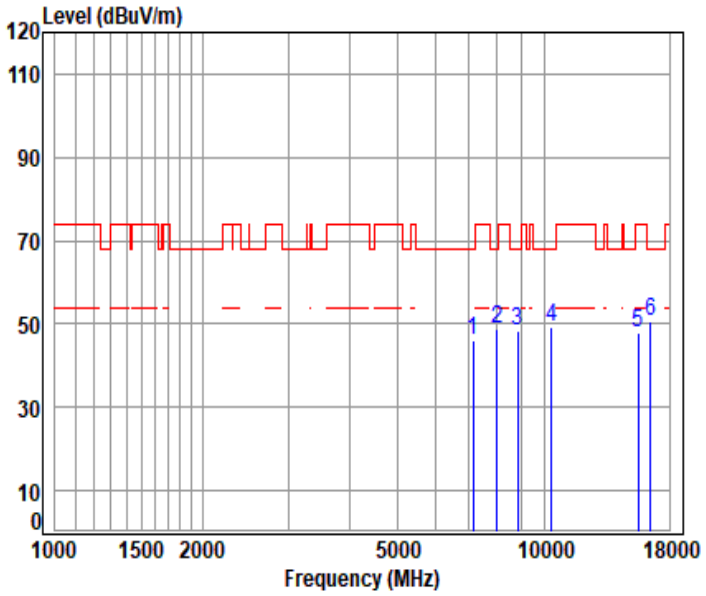
11a_TX_CH_36_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5180 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7442.985	11.38	36.79	56.35	53.63	45.45	74.00	-28.55	peak
2	8488.119	12.23	38.32	55.46	52.17	47.26	74.00	-26.74	peak
3	8760.413	12.19	38.50	55.22	52.79	48.26	68.20	-19.94	peak
4	10360.000	13.60	39.00	53.88	52.91	51.63	68.20	-16.57	peak
5	15540.000	17.00	38.56	54.14	46.13	47.55	74.00	-26.45	peak
6	pp16898.430	18.17	39.60	54.27	48.17	51.67	68.20	-16.53	peak

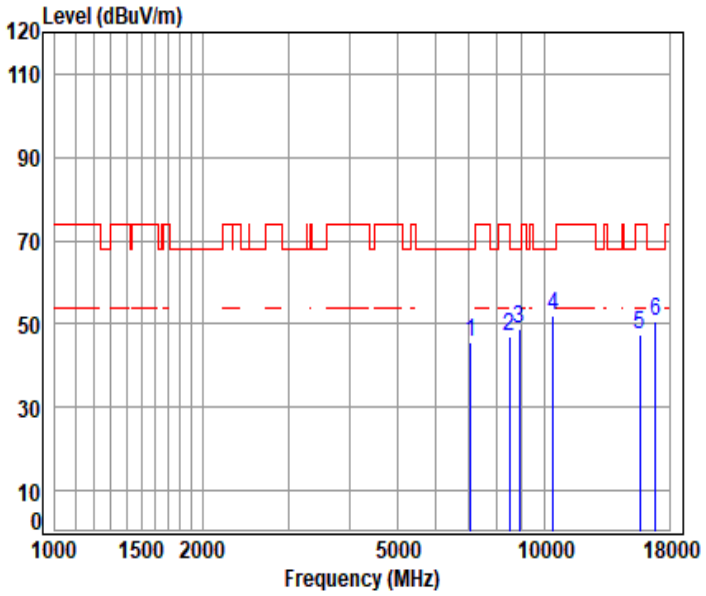
11a_TX_CH_36_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5180 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7160.403	11.71	36.52	56.57	54.20	45.86	68.20	-22.34	peak
2	7993.045	11.56	37.79	55.91	55.18	48.62	68.20	-19.58	peak
3	8832.090	12.24	38.50	55.15	52.74	48.33	68.20	-19.87	peak
4	10360.000	13.60	39.00	53.88	50.34	49.06	68.20	-19.14	peak
5	15540.000	17.00	38.56	54.14	46.38	47.80	74.00	-26.20	peak
6	pp16490.340	17.68	38.89	54.15	48.31	50.73	68.20	-17.47	peak

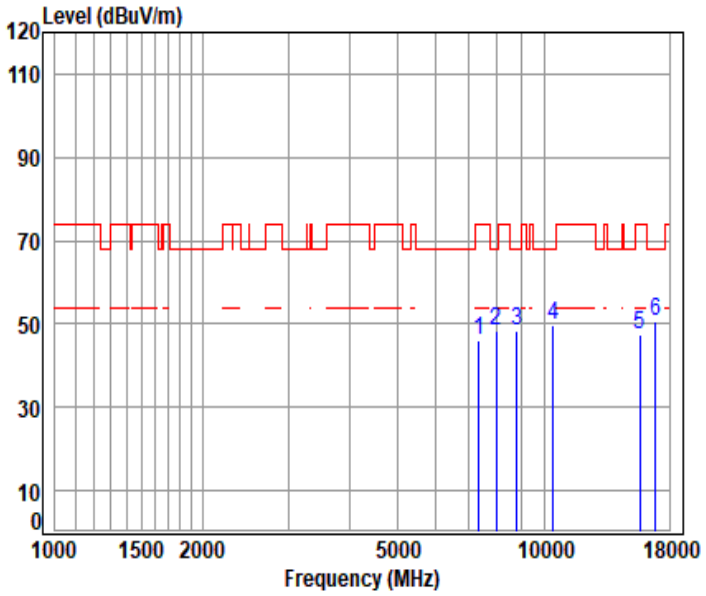
11a_TX_CH_44_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5220 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7080.624	11.87	36.36	56.64	54.00	45.59	68.20	-22.61	peak
2	8496.769	12.29	38.31	55.45	51.92	47.07	74.00	-26.93	peak
3	8904.353	12.22	38.59	55.09	52.98	48.70	68.20	-19.50	peak
4	pp10440.000	13.63	39.04	53.84	53.33	52.16	68.20	-16.04	peak
5	15660.000	17.23	38.56	54.10	45.72	47.41	74.00	-26.59	peak
6	16846.870	17.80	39.60	54.25	47.66	50.81	68.20	-17.39	peak

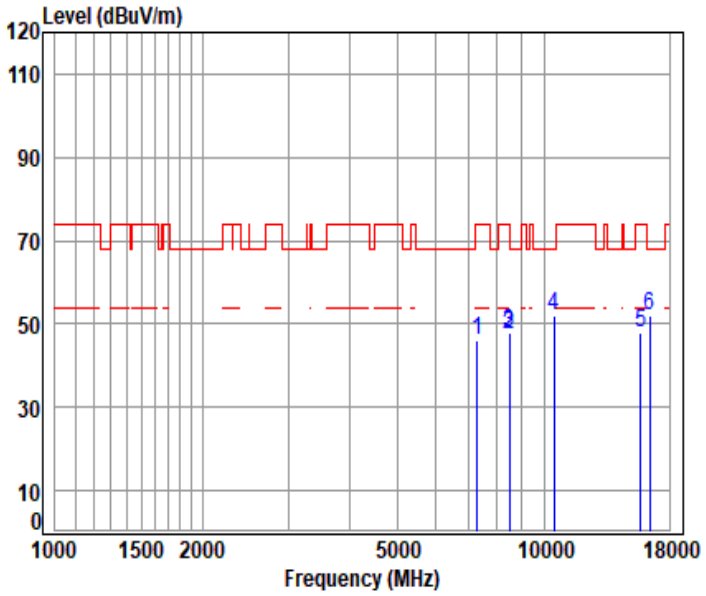
11a_TX_CH_44_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5220 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7345.079	11.51	36.79	56.42	54.13	46.01	74.00	-27.99	peak
2	7984.908	11.56	37.77	55.91	55.04	48.46	68.20	-19.74	peak
3	8778.277	12.22	38.50	55.20	53.02	48.54	68.20	-19.66	peak
4	10440.000	13.63	39.04	53.84	50.97	49.80	68.20	-18.40	peak
5	15660.000	17.23	38.56	54.10	45.78	47.47	74.00	-26.53	peak
6	pp16846.870	17.80	39.60	54.25	47.31	50.46	68.20	-17.74	peak

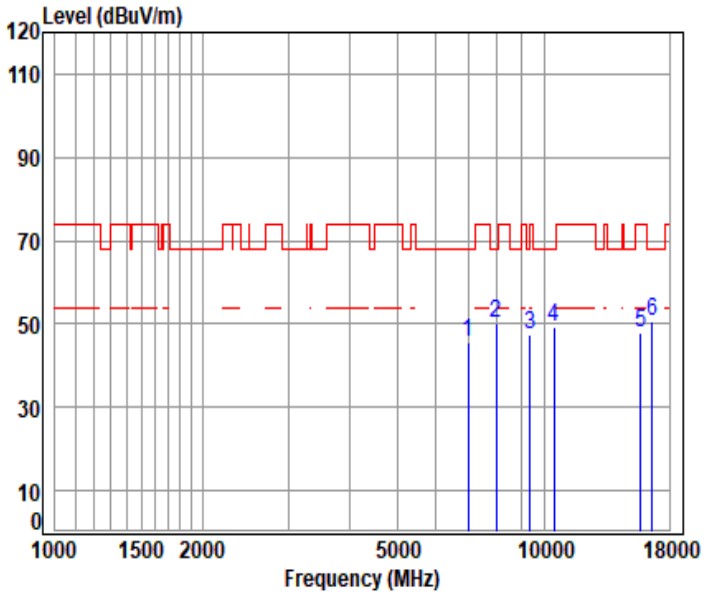
11a_TX_CH_48_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5240 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7285.470	11.51	36.67	56.47	54.15	45.86	74.00	-28.14	peak
2	8496.769	12.29	38.31	55.45	52.12	47.27	74.00	-26.73	peak
3	8496.769	12.29	38.31	55.45	52.62	47.77	74.00	-26.23	peak
4	10480.000	13.64	39.08	53.81	52.88	51.79	68.20	-16.41	peak
5	15720.000	17.22	38.58	54.08	46.00	47.72	74.00	-26.28	peak
6	pp16440.030	17.39	38.84	54.13	50.10	52.20	68.20	-16.00	peak

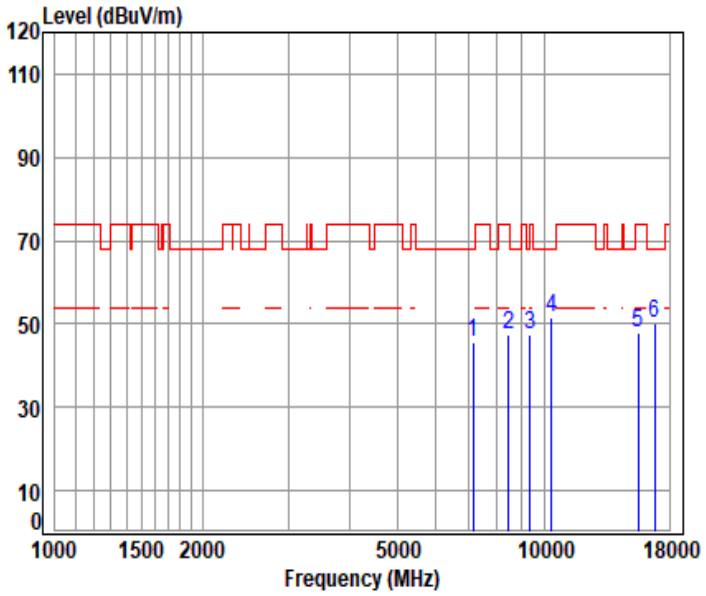
11a_TX_CH_48_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5240 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6994.605	11.37	36.19	56.70	54.95	45.81	68.20	-22.39	peak
2	7976.779	11.56	37.75	55.92	57.02	50.41	68.20	-17.79	peak
3	9350.516	12.24	38.80	54.68	50.93	47.29	74.00	-26.71	peak
4	10480.000	13.64	39.08	53.81	50.53	49.44	68.20	-18.76	peak
5	15720.000	17.22	38.58	54.08	46.15	47.87	74.00	-26.13	peak
6	pp16625.260	17.63	39.25	54.19	48.14	50.83	68.20	-17.37	peak

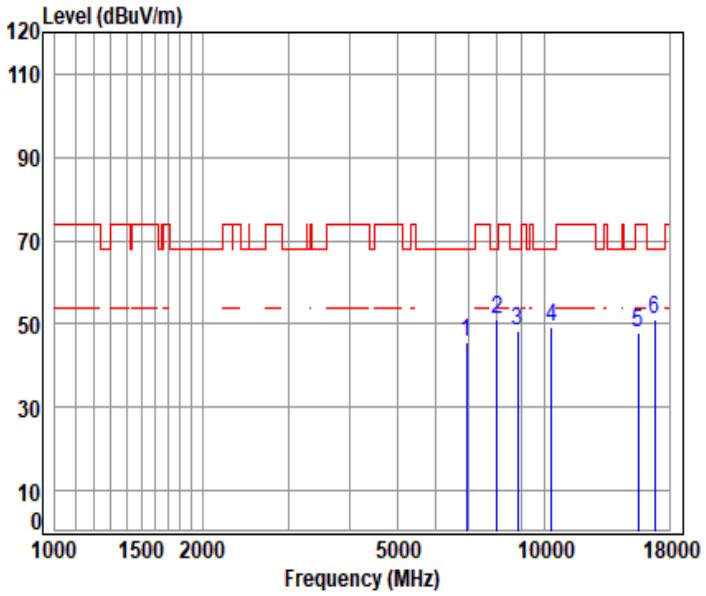
11be_20M_TX_CH_36_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5180 TX RSE
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7160.403	11.71	36.52	56.57	53.96	45.62	68.20	-22.58	peak
2	8453.606	11.99	38.39	55.49	52.60	47.49	74.00	-26.51	peak
3	9360.045	12.25	38.80	54.68	51.25	47.62	74.00	-26.38	peak
4	pp10360.000	13.60	39.00	53.88	52.78	51.50	68.20	-16.70	peak
5	15540.000	17.00	38.56	54.14	46.27	47.69	74.00	-26.31	peak
6	16829.720	17.67	39.60	54.25	47.27	50.29	68.20	-17.91	peak

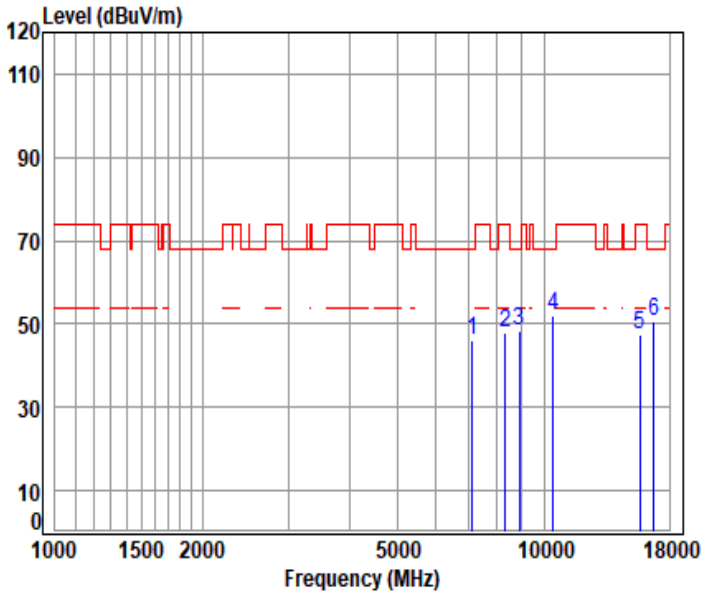
11be_20M_TX_CH_36_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5180 TX RSE
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6944.911	11.37	36.11	56.71	54.88	45.65	68.20	-22.55	peak
2 pp	7993.045	11.56	37.79	55.91	57.53	50.97	68.20	-17.23	peak
3	8823.098	12.24	38.50	55.16	52.96	48.54	68.20	-19.66	peak
4	10360.000	13.60	39.00	53.88	50.57	49.29	68.20	-18.91	peak
5	15540.000	17.00	38.56	54.14	46.49	47.91	74.00	-26.09	peak
6	16829.720	17.67	39.60	54.25	47.87	50.89	68.20	-17.31	peak

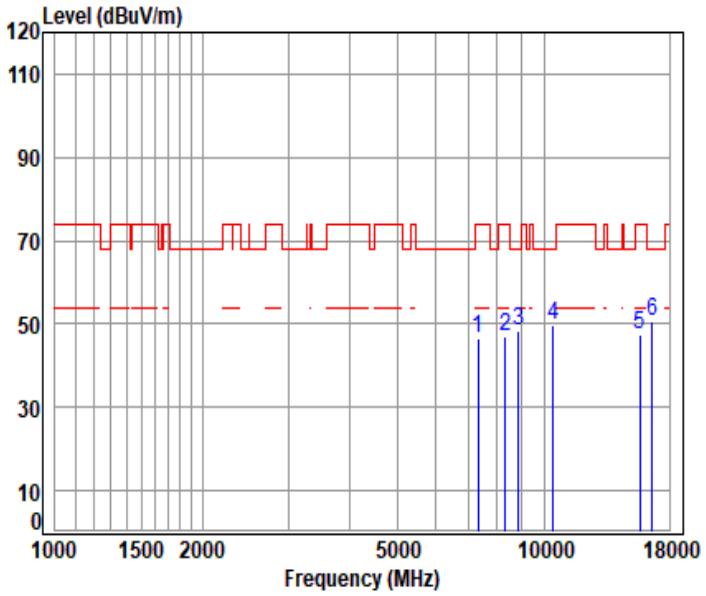
11be_20M_TX_CH_44_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5220 TX RSE
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7116.776	11.91	36.43	56.61	54.27	46.00	68.20	-22.20	peak
2	8316.953	11.74	38.17	55.61	53.66	47.96	74.00	-26.04	peak
3	8886.231	12.22	38.57	55.10	52.85	48.54	68.20	-19.66	peak
4	pp10440.000	13.63	39.04	53.84	53.11	51.94	68.20	-16.26	peak
5	15660.000	17.23	38.56	54.10	45.70	47.39	74.00	-26.61	peak
6	16761.290	17.51	39.52	54.23	47.65	50.45	68.20	-17.75	peak

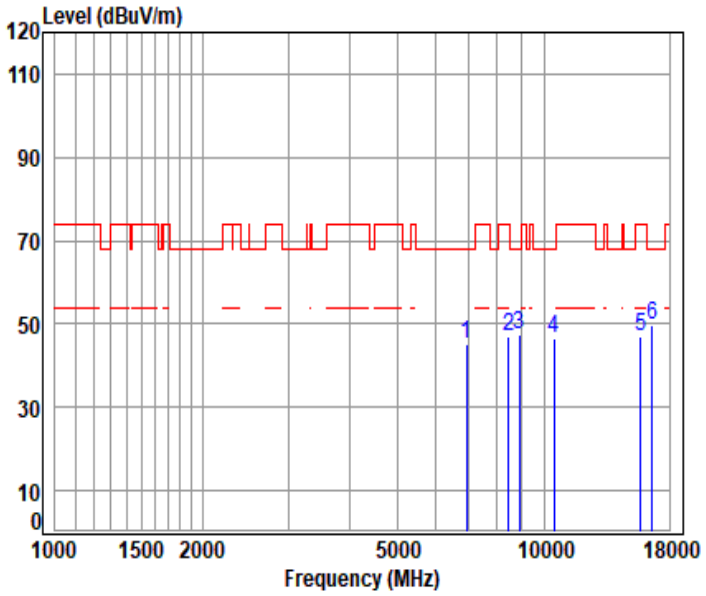
11be_20M_TX_CH_44_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5220 TX RSE
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7322.668	11.51	36.75	56.44	54.58	46.40	74.00	-27.60	peak
2	8325.429	11.73	38.31	55.61	52.62	47.05	74.00	-26.95	peak
3	8841.090	12.24	38.50	55.14	52.64	48.24	68.20	-19.96	peak
4	10440.000	13.63	39.04	53.84	50.69	49.52	68.20	-18.68	peak
5	15660.000	17.23	38.56	54.10	45.81	47.50	74.00	-26.50	peak
6	pp16625.260	17.63	39.25	54.19	47.87	50.56	68.20	-17.64	peak

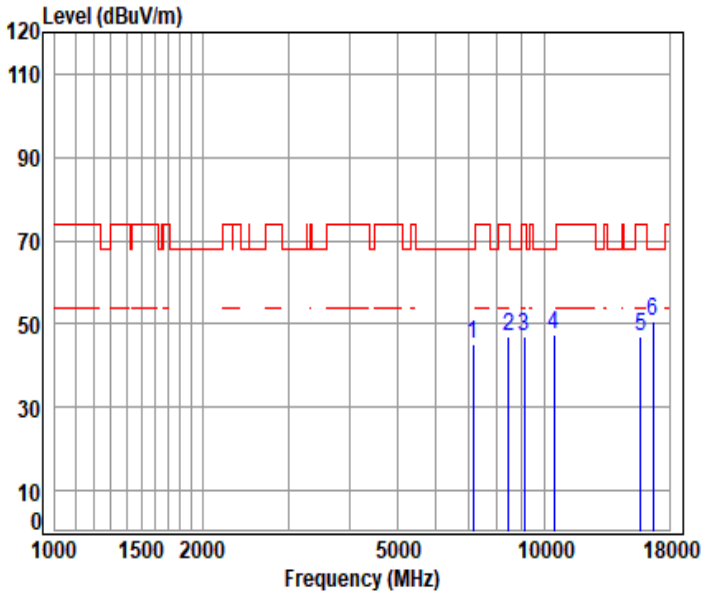
11be_20M_TX_CH_48_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5240 TX RSE
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6937.841	11.37	36.12	56.71	54.19	44.97	68.20	-23.23	peak
2	8445.000	11.94	38.42	55.50	51.91	46.77	74.00	-27.23	peak
3	8886.231	12.22	38.57	55.10	51.64	47.33	68.20	-20.87	peak
4	10480.000	13.64	39.08	53.81	47.52	46.43	68.20	-21.77	peak
5	15720.000	17.22	38.58	54.08	45.35	47.07	74.00	-26.93	peak
6	pp16642.210	17.62	39.28	54.19	47.18	49.89	68.20	-18.31	peak

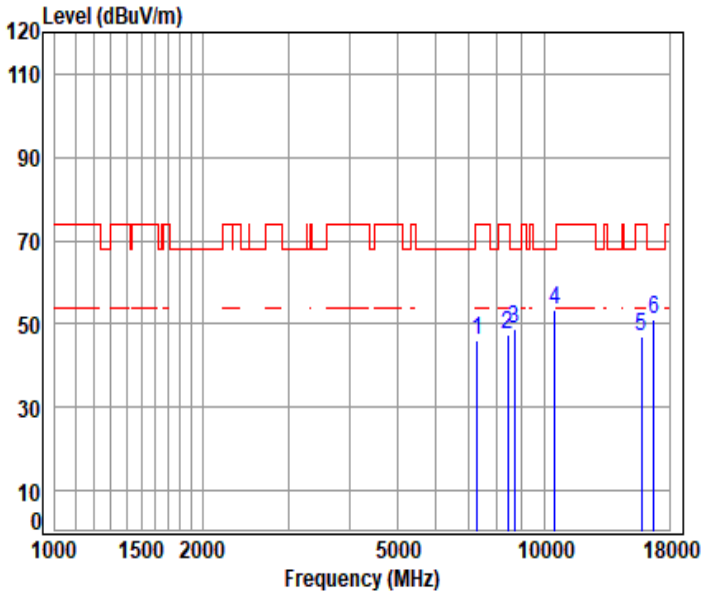
11be_20M_TX_CH_48_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5240 TX RSE
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7160.403	11.71	36.52	56.57	53.39	45.05	68.20	-23.15	peak
2	8453.606	11.99	38.39	55.49	52.28	47.17	74.00	-26.83	peak
3	9096.867	12.12	38.60	54.91	51.23	47.04	74.00	-26.96	peak
4	10480.000	13.64	39.08	53.81	48.33	47.24	68.20	-20.96	peak
5	15720.000	17.22	38.58	54.08	45.42	47.14	74.00	-26.86	peak
6	pp16659.160	17.61	39.32	54.20	47.69	50.42	68.20	-17.78	peak

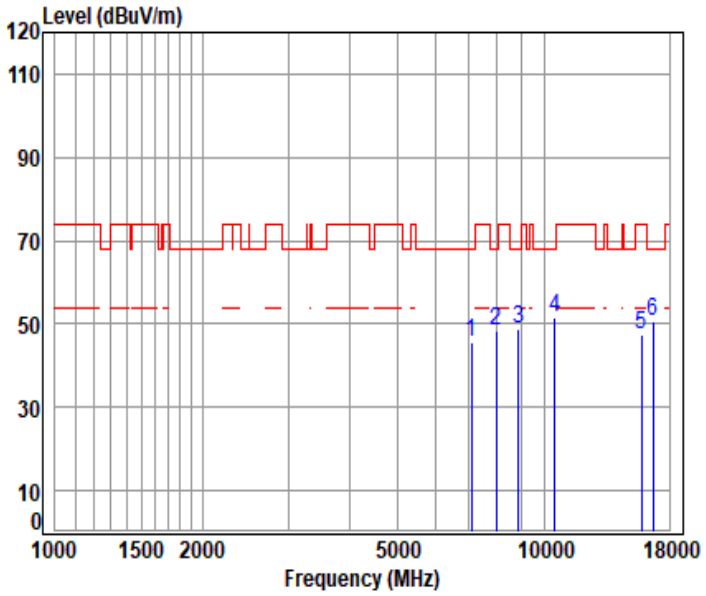
11a_TX_CH_52_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5260 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7300.327	11.51	36.70	56.46	54.50	46.25	74.00	-27.75	peak
2	8419.234	11.76	38.52	55.52	52.52	47.28	74.00	-26.72	peak
3	8689.318	12.08	38.56	55.28	53.29	48.65	68.20	-19.55	peak
4	pp10520.000	13.63	39.14	53.79	54.22	53.20	68.20	-15.00	peak
5	15780.000	17.08	38.52	54.07	45.58	47.11	74.00	-26.89	peak
6	16744.220	17.53	39.49	54.22	48.50	51.30	68.20	-16.90	peak

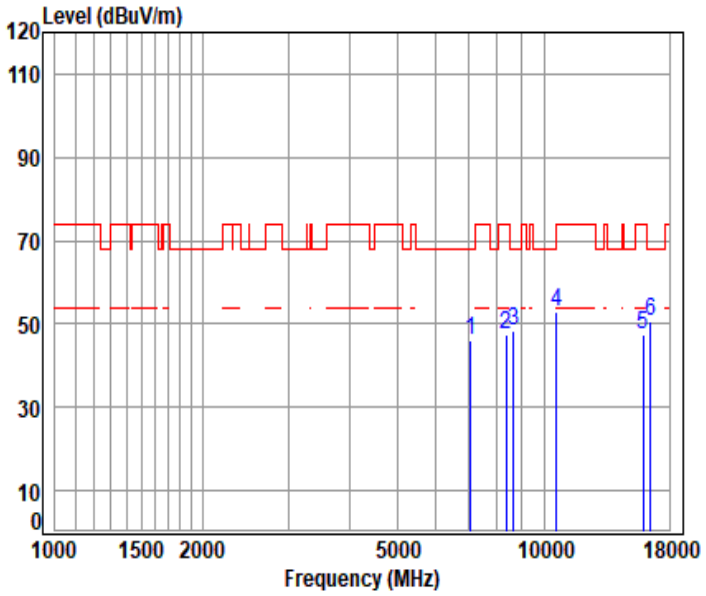
11a_TX_CH_52_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5260 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7087.840	11.91	36.38	56.63	53.92	45.58	68.20	-22.62	peak
2	7976.779	11.56	37.75	55.92	54.86	48.25	68.20	-19.95	peak
3	8841.090	12.24	38.50	55.14	53.06	48.66	68.20	-19.54	peak
4	pp10520.000	13.63	39.14	53.79	52.54	51.52	68.20	-16.68	peak
5	15780.000	17.08	38.52	54.07	45.84	47.37	74.00	-26.63	peak
6	16693.140	17.59	39.39	54.21	47.84	50.61	68.20	-17.59	peak

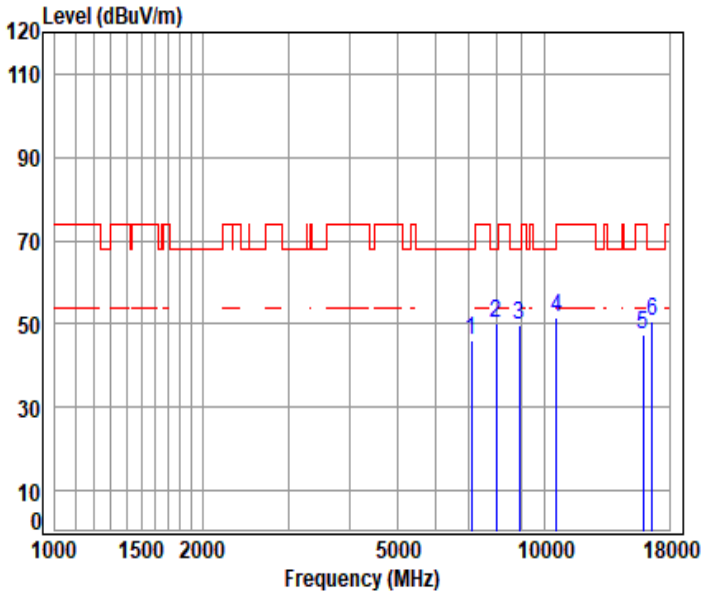
11a_TX_CH_60_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5300 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7066.214	11.78	36.33	56.65	54.41	45.87	68.20	-22.33	peak
2	8342.406	11.70	38.58	55.59	52.54	47.23	74.00	-26.77	peak
3	8662.807	12.04	38.45	55.30	53.06	48.25	68.20	-19.95	peak
4	pp10600.000	13.59	39.30	53.74	53.97	53.12	68.20	-15.08	peak
5	15900.000	17.28	38.70	54.03	45.40	47.35	74.00	-26.65	peak
6	16507.140	17.73	38.92	54.15	48.00	50.50	68.20	-17.70	peak

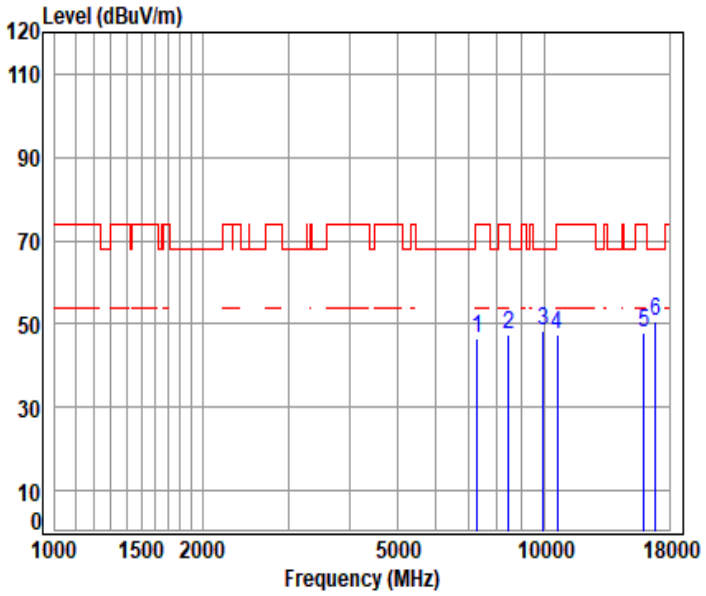
11a_TX_CH_60_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5300 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7095.063	11.96	36.39	56.62	54.52	46.25	68.20	-21.95	peak
2	7984.908	11.56	37.77	55.91	56.61	50.03	68.20	-18.17	peak
3	8904.353	12.22	38.59	55.09	53.96	49.68	68.20	-18.52	peak
4	pp10600.000	13.59	39.30	53.74	52.21	51.36	68.20	-16.84	peak
5	15900.000	17.28	38.70	54.03	45.65	47.60	74.00	-26.40	peak
6	16591.430	17.66	39.17	54.18	47.79	50.44	68.20	-17.76	peak

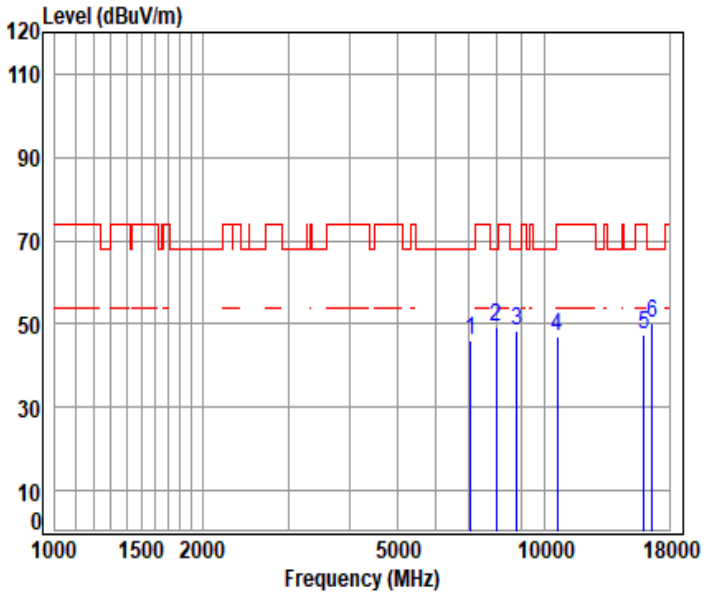
11a_TX_CH_64_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5320 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7300.327	11.51	36.70	56.46	54.88	46.63	74.00	-27.37	peak
2	8453.606	11.99	38.39	55.49	52.79	47.68	74.00	-26.32	peak
3	9960.058	12.93	38.90	54.14	50.51	48.20	68.20	-20.00	peak
4	10640.000	13.77	39.34	53.72	48.14	47.53	74.00	-26.47	peak
5	15960.000	17.20	38.64	54.01	45.95	47.78	74.00	-26.22	peak
6	pp16881.220	18.04	39.60	54.26	47.33	50.71	68.20	-17.49	peak

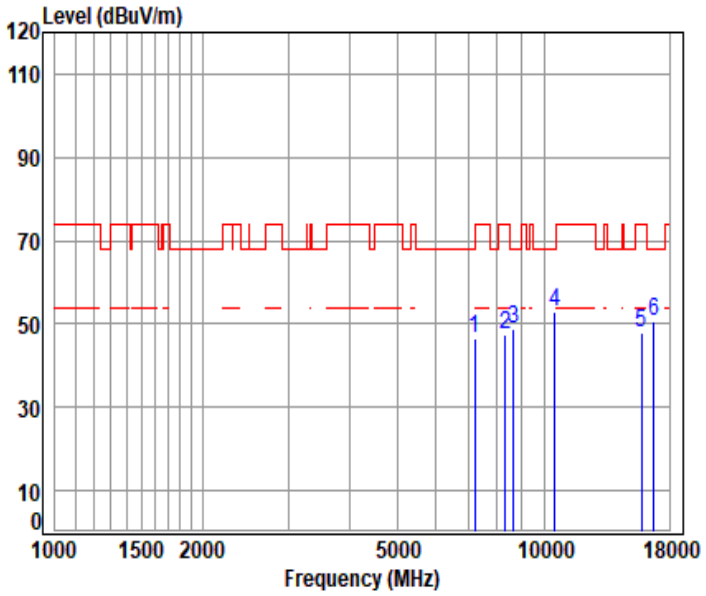
11a_TX_CH_64_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5320 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7080.624	11.87	36.36	56.64	54.37	45.96	68.20	-22.24	peak
2	7984.908	11.56	37.77	55.91	55.68	49.10	68.20	-19.10	peak
3	8778.277	12.22	38.50	55.20	53.00	48.52	68.20	-19.68	peak
4	10640.000	13.77	39.34	53.72	47.73	47.12	74.00	-26.88	peak
5	15960.000	17.20	38.64	54.01	45.74	47.57	74.00	-26.43	peak
6	pp16591.430	17.66	39.17	54.18	47.70	50.35	68.20	-17.85	peak

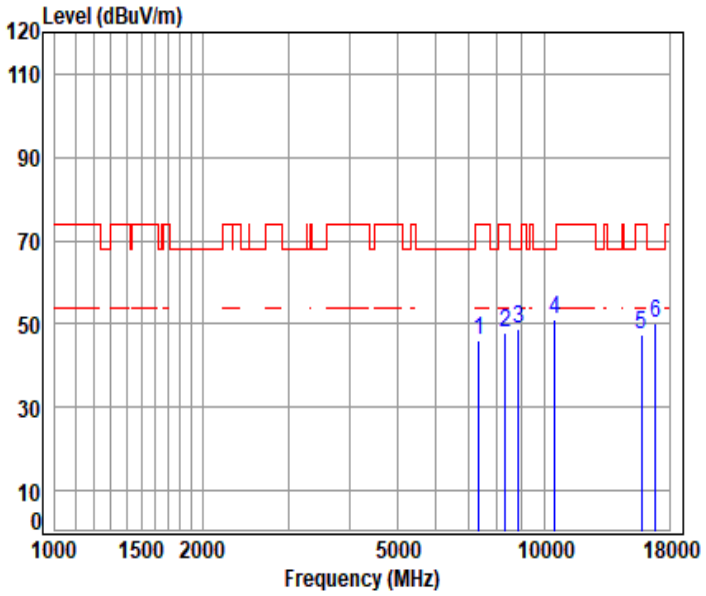
11be_20M_TX_CH_52_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5260 TX RSE
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7204.297	11.52	36.60	56.54	55.13	46.71	68.20	-21.49	peak
2	8333.913	11.72	38.44	55.60	52.81	47.37	74.00	-26.63	peak
3	8653.987	12.03	38.42	55.31	53.80	48.94	68.20	-19.26	peak
4	pp10520.000	13.63	39.14	53.79	53.76	52.74	68.20	-15.46	peak
5	15780.000	17.08	38.52	54.07	46.25	47.78	74.00	-26.22	peak
6	16727.180	17.55	39.45	54.22	47.81	50.59	68.20	-17.61	peak

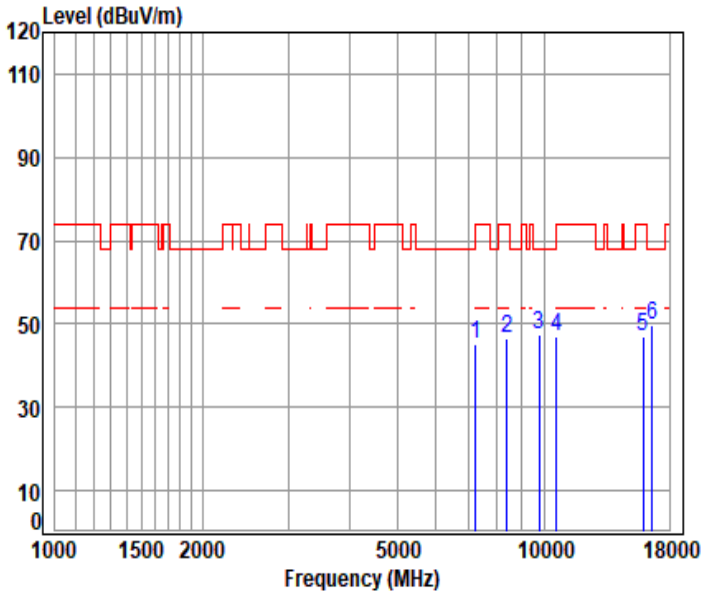
11be_20M_TX_CH_52_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5260 TX RSE
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7337.601	11.51	36.78	56.43	54.09	45.95	74.00	-28.05	peak
2	8333.913	11.72	38.44	55.60	53.41	47.97	74.00	-26.03	peak
3	8841.090	12.24	38.50	55.14	53.07	48.67	68.20	-19.53	peak
4	pp10520.000	13.63	39.14	53.79	51.99	50.97	68.20	-17.23	peak
5	15780.000	17.08	38.52	54.07	46.05	47.58	74.00	-26.42	peak
6	16846.870	17.80	39.60	54.25	47.22	50.37	68.20	-17.83	peak

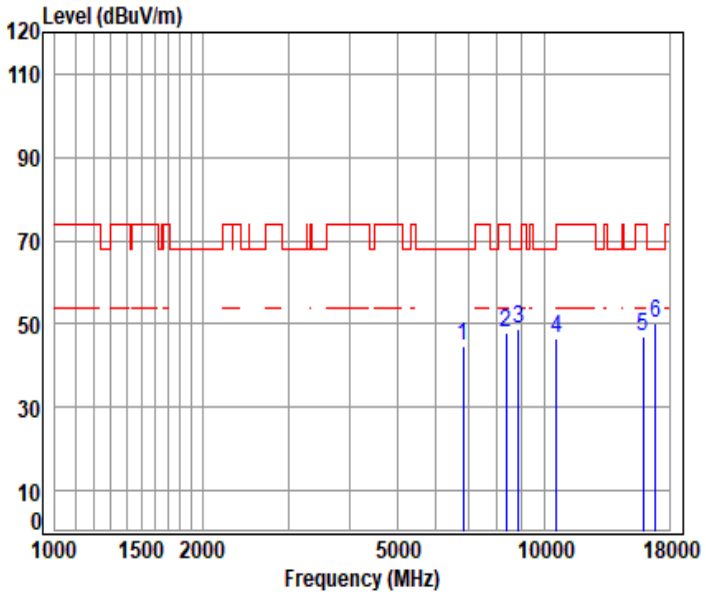
11be_20M_TX_CH_60_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5300 TX RSE
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7241.082	11.52	36.60	56.51	53.61	45.22	68.20	-22.98	peak
2	8385.002	11.65	38.63	55.55	51.82	46.55	74.00	-27.45	peak
3	9769.155	12.97	38.60	54.31	50.29	47.55	68.20	-20.65	peak
4	10600.000	13.59	39.30	53.74	47.89	47.04	68.20	-21.16	peak
5	15900.000	17.28	38.70	54.03	45.14	47.09	74.00	-26.91	peak
6	pp16591.430	17.66	39.17	54.18	46.97	49.62	68.20	-18.58	peak

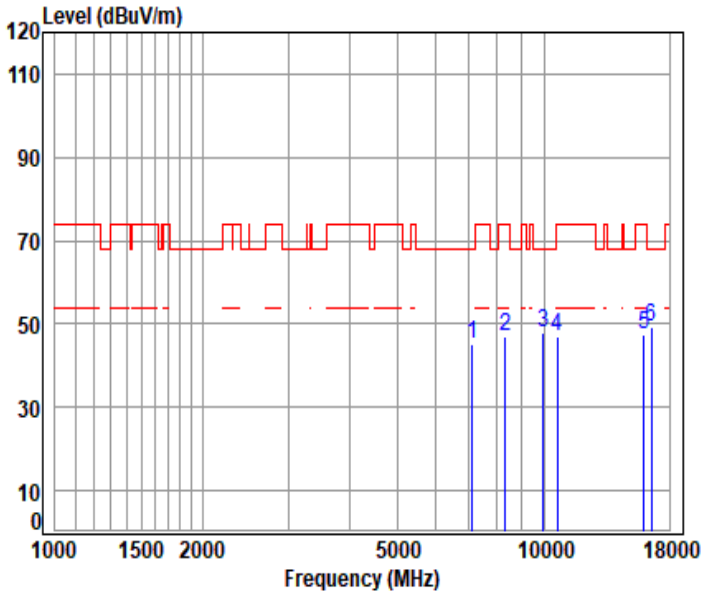
11be_20M_TX_CH_60_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5300 TX RSE
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6839.609	11.37	35.98	56.73	54.25	44.87	68.20	-23.33	peak
2	8350.908	11.69	38.70	55.58	53.04	47.85	74.00	-26.15	peak
3	8859.119	12.23	38.52	55.13	53.24	48.86	68.20	-19.34	peak
4	10600.000	13.59	39.30	53.74	47.57	46.72	68.20	-21.48	peak
5	15900.000	17.28	38.70	54.03	45.12	47.07	74.00	-26.93	peak
6	pp16864.040	17.92	39.60	54.26	46.72	49.98	68.20	-18.22	peak

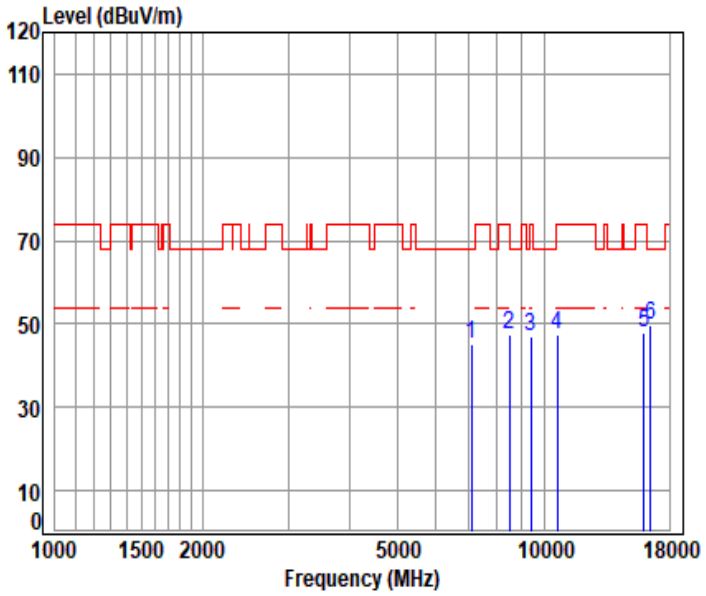
11be_20M_TX_CH_64_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5320 TX RSE
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7116.776	11.91	36.43	56.61	53.34	45.07	68.20	-23.13	peak
2	8333.913	11.72	38.44	55.60	52.29	46.85	74.00	-27.15	peak
3	9960.058	12.93	38.90	54.14	50.01	47.70	68.20	-20.50	peak
4	10640.000	13.77	39.34	53.72	47.54	46.93	74.00	-27.07	peak
5	15960.000	17.20	38.64	54.01	45.56	47.39	74.00	-26.61	peak
6	pp16574.540	17.67	39.12	54.17	46.77	49.39	68.20	-18.81	peak

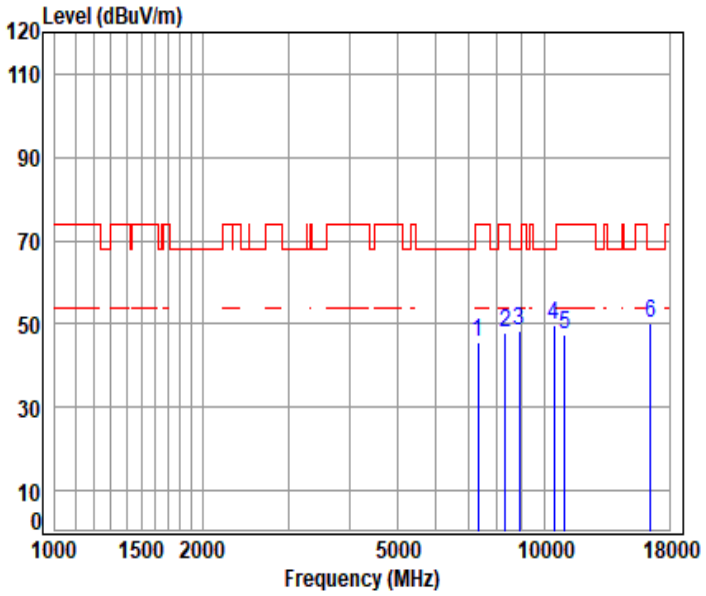
11be_20M_TX_CH_64_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5320 TX RSE
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7102.293	11.98	36.40	56.62	53.37	45.13	68.20	-23.07	peak
2	8496.769	12.29	38.31	55.45	52.24	47.39	74.00	-26.61	peak
3	9398.258	12.30	38.80	54.64	50.69	47.15	74.00	-26.85	peak
4	10640.000	13.77	39.34	53.72	48.21	47.60	74.00	-26.40	peak
5	15960.000	17.20	38.64	54.01	46.03	47.86	74.00	-26.14	peak
6	pp16456.780	17.49	38.86	54.14	47.46	49.67	68.20	-18.53	peak

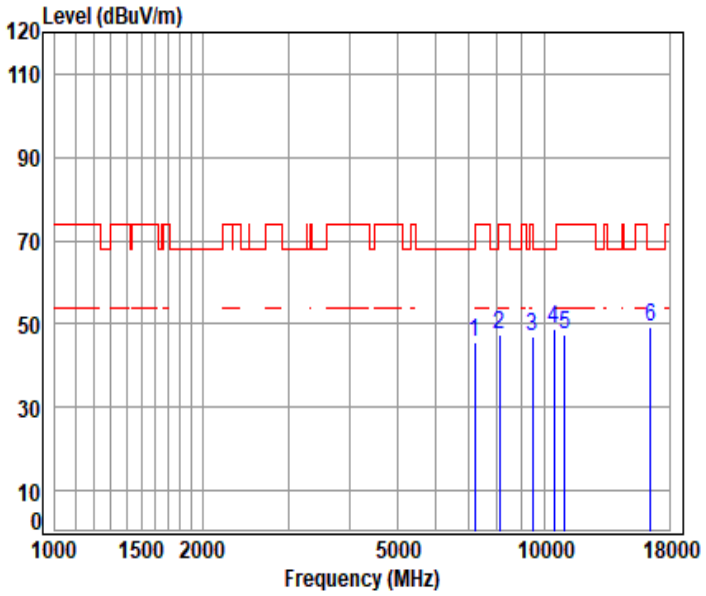
11a_TX_CH_100_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5500 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7330.131	11.51	36.76	56.44	53.71	45.54	74.00	-28.46	peak
2	8325.429	11.73	38.31	55.61	53.50	47.93	74.00	-26.07	peak
3	8895.287	12.22	38.59	55.09	52.63	48.35	68.20	-19.85	peak
4	10480.450	13.64	39.08	53.81	50.89	49.80	68.20	-18.40	peak
5	11000.000	14.17	39.40	53.50	47.53	47.60	74.00	-26.40	peak
6	pp16500.000	17.74	38.90	54.15	47.62	50.11	68.20	-18.09	peak

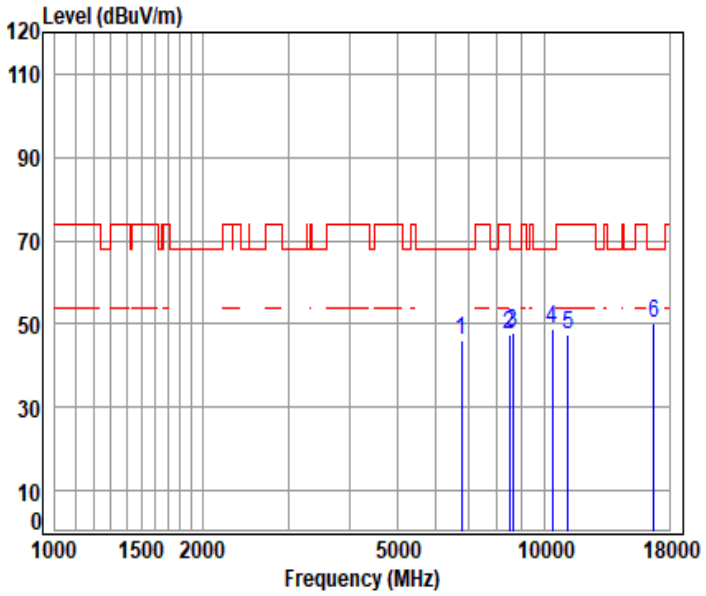
11a_TX_CH_100_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5500 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7196.963	11.53	36.59	56.54	53.97	45.55	68.20	-22.65	peak
2	8091.342	11.46	37.80	55.82	54.13	47.57	74.00	-26.43	peak
3	9446.244	12.42	38.80	54.60	50.40	47.02	74.00	-26.98	peak
4	10459.120	13.63	39.06	53.82	49.89	48.76	68.20	-19.44	peak
5	11000.000	14.17	39.40	53.50	47.20	47.27	74.00	-26.73	peak
6	pp16500.000	17.74	38.90	54.15	46.96	49.45	68.20	-18.75	peak

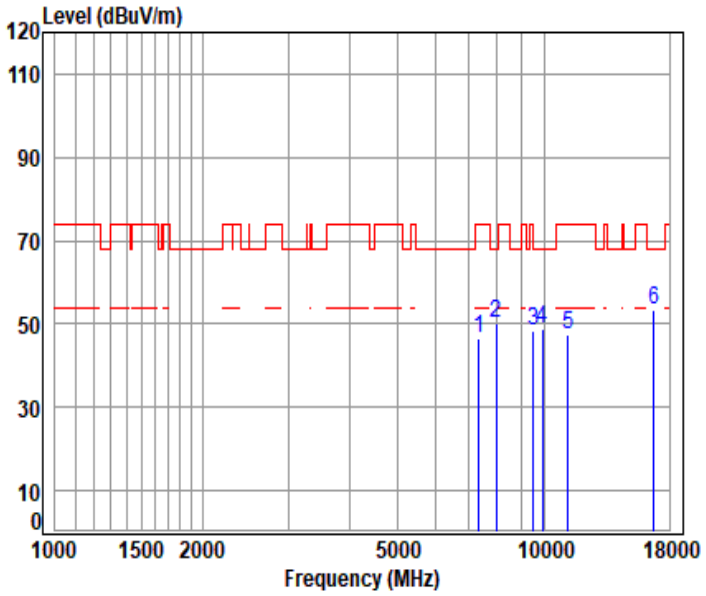
11a_TX_CH_116_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5580 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6777.197	11.38	35.81	56.74	55.55	46.00	68.20	-22.20	peak
2	8488.119	12.23	38.32	55.46	52.32	47.41	74.00	-26.59	peak
3	8610.026	11.97	38.48	55.35	52.93	48.03	68.20	-20.17	peak
4	10374.240	13.61	39.00	53.88	50.30	49.03	68.20	-19.17	peak
5	11160.000	14.72	39.56	53.55	46.77	47.50	74.00	-26.50	peak
6	pp16740.000	17.54	39.48	54.22	47.50	50.30	68.20	-17.90	peak

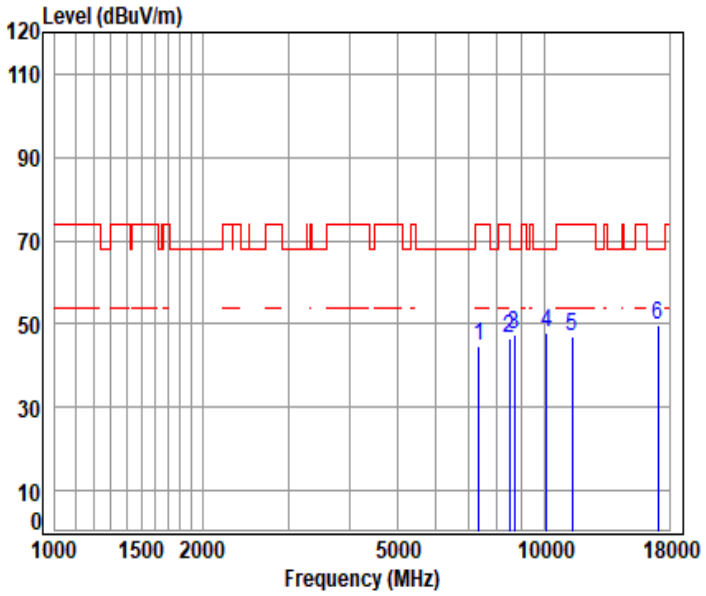
11a_TX_CH_116_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5580 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7345.079	11.51	36.79	56.42	54.57	46.45	74.00	-27.55	peak
2	7968.658	11.55	37.74	55.93	56.96	50.32	68.20	-17.88	peak
3	9504.150	12.55	38.89	54.55	51.40	48.29	68.20	-19.91	peak
4	9929.669	12.86	38.90	54.16	51.35	48.95	68.20	-19.25	peak
5	11160.000	14.72	39.56	53.55	46.74	47.47	74.00	-26.53	peak
6	pp16740.000	17.54	39.48	54.22	50.54	53.34	68.20	-14.86	peak

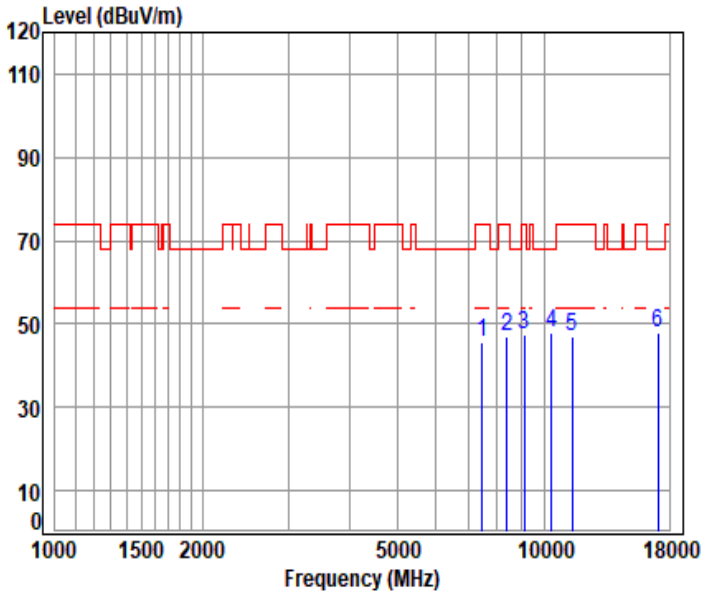
11a_TX_CH_140_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5700 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7337.601	11.51	36.78	56.43	52.83	44.69	74.00	-29.31	peak
2	8488.119	12.23	38.32	55.46	51.56	46.65	74.00	-27.35	peak
3	8680.473	12.06	38.52	55.29	52.10	47.39	68.20	-20.81	peak
4	10092.820	13.25	39.09	54.04	49.40	47.70	68.20	-20.50	peak
5	11400.000	14.21	39.70	53.62	46.60	46.89	74.00	-27.11	peak
6	pp17100.000	18.47	39.80	54.32	45.79	49.74	68.20	-18.46	peak

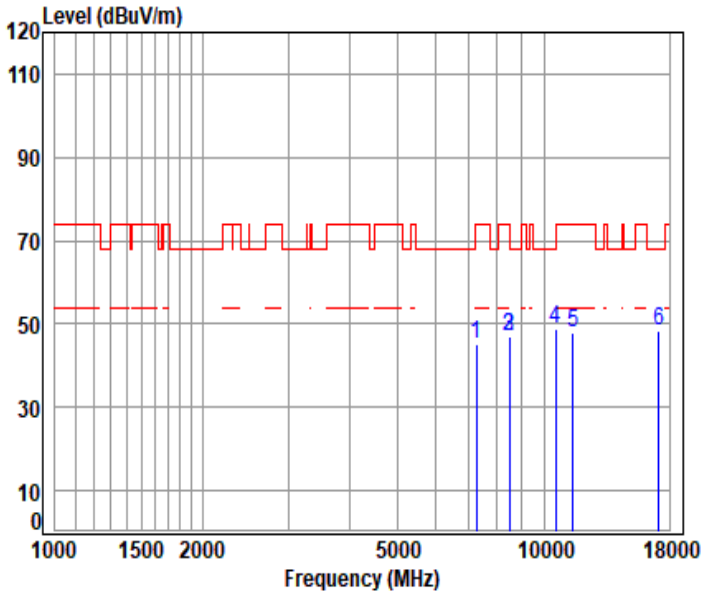
11a_TX_CH_140_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5700 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7473.371	11.30	36.80	56.32	53.63	45.41	74.00	-28.59	peak
2	8376.465	11.66	38.65	55.56	52.02	46.77	74.00	-27.23	peak
3	9096.867	12.12	38.60	54.91	51.67	47.48	74.00	-26.52	peak
4	10353.130	13.60	39.00	53.89	49.18	47.89	68.20	-20.31	peak
5	11400.000	14.21	39.70	53.62	46.90	47.19	74.00	-26.81	peak
6	pp17100.000	18.47	39.80	54.32	44.01	47.96	68.20	-20.24	peak

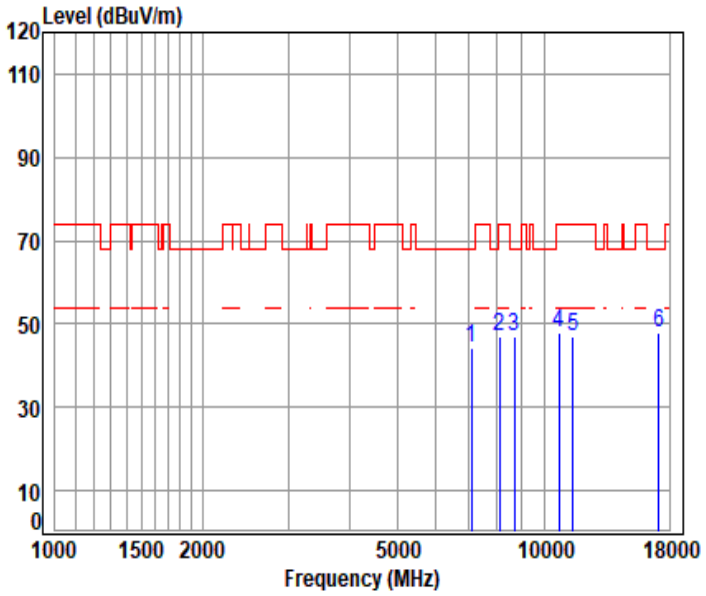
11a_Straddle_TX_CH_144_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5720 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7278.053	11.51	36.66	56.48	53.34	45.03	74.00	-28.97	peak
2	8496.769	12.29	38.31	55.45	52.05	47.20	74.00	-26.80	peak
3	8496.769	12.29	38.31	55.45	52.05	47.20	74.00	-26.80	peak
4	pp10566.200	13.61	39.23	53.76	49.73	48.81	68.20	-19.39	peak
5	11440.000	14.55	39.66	53.63	47.39	47.97	74.00	-26.03	peak
6	17160.000	18.08	39.86	54.33	44.71	48.32	68.20	-19.88	peak

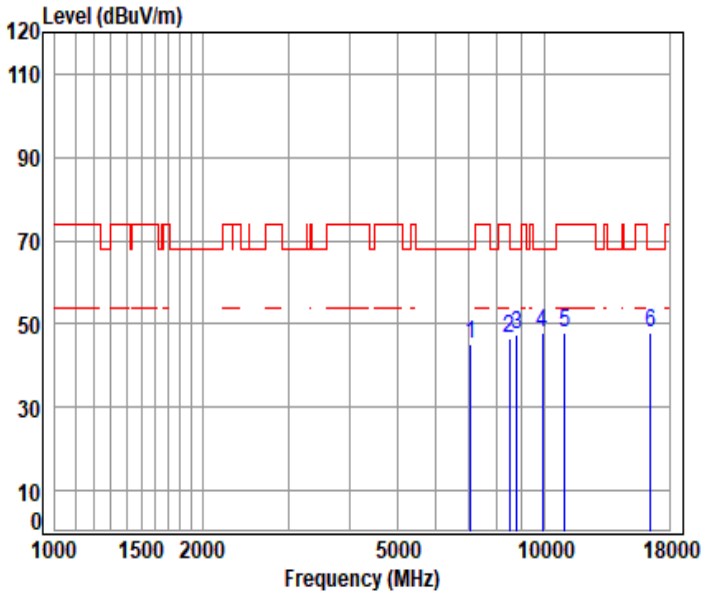
11a_Straddle_TX_CH_144_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5720 TX RSE
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7109.531	11.95	36.42	56.61	52.66	44.42	68.20	-23.78	peak
2	8099.588	11.45	37.80	55.81	53.44	46.88	74.00	-27.12	peak
3	8671.635	12.05	38.49	55.30	51.80	47.04	68.20	-21.16	peak
4	10717.950	13.98	39.38	53.67	48.29	47.98	74.00	-26.02	peak
5	11440.000	14.55	39.66	53.63	46.42	47.00	74.00	-27.00	peak
6	pp17160.000	18.08	39.86	54.33	44.12	47.73	68.20	-20.47	peak

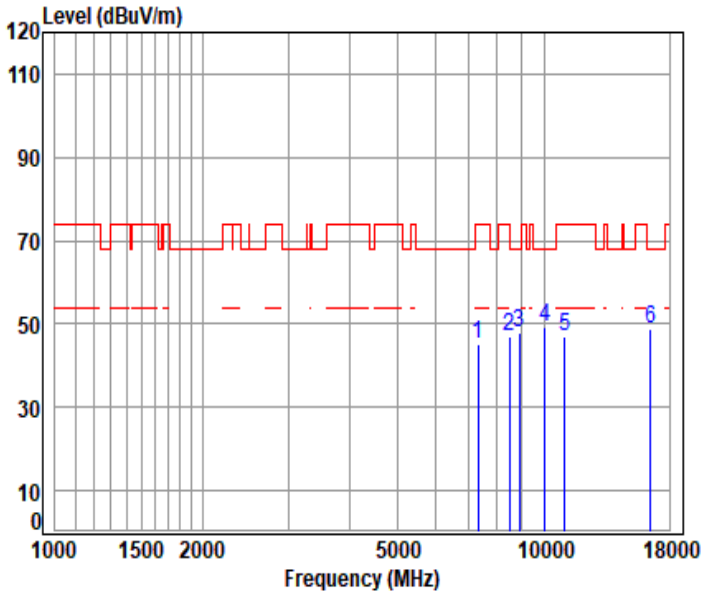
11be_20M_TX_CH_100_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5500 TX RSE
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7080.624	11.87	36.36	56.64	53.54	45.13	68.20	-23.07	peak
2	8496.769	12.29	38.31	55.45	51.48	46.63	74.00	-27.37	peak
3	8778.277	12.22	38.50	55.20	52.03	47.55	68.20	-20.65	peak
4	9929.669	12.86	38.90	54.16	50.21	47.81	68.20	-20.39	peak
5	11000.000	14.17	39.40	53.50	47.83	47.90	74.00	-26.10	peak
6	pp16500.000	17.74	38.90	54.15	45.61	48.10	68.20	-20.10	peak

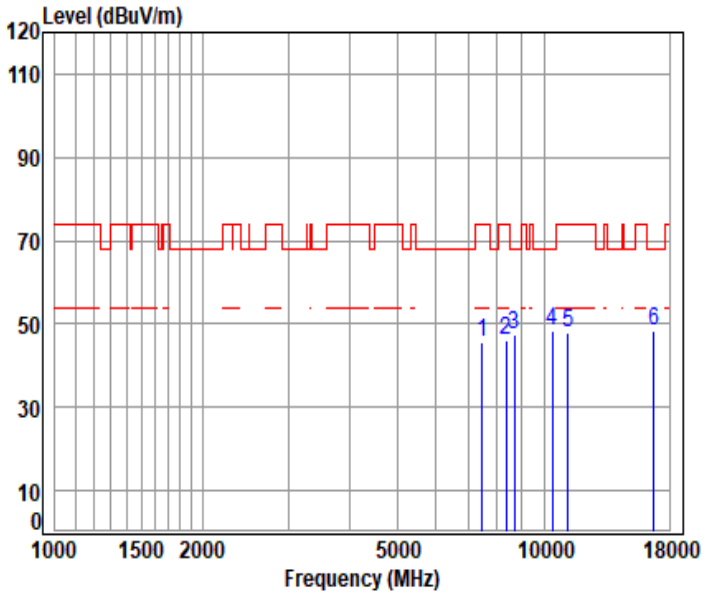
11be_20M_TX_CH_100_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5500 TX RSE
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7315.214	11.51	36.73	56.45	53.21	45.00	74.00	-29.00	peak
2	8496.769	12.29	38.31	55.45	51.83	46.98	74.00	-27.02	peak
3	8877.185	12.23	38.55	55.11	52.44	48.11	68.20	-20.09	peak
4	pp10010.910	13.04	38.92	54.09	51.27	49.14	68.20	-19.06	peak
5	11000.000	14.17	39.40	53.50	46.98	47.05	74.00	-26.95	peak
6	16500.000	17.74	38.90	54.15	46.21	48.70	68.20	-19.50	peak

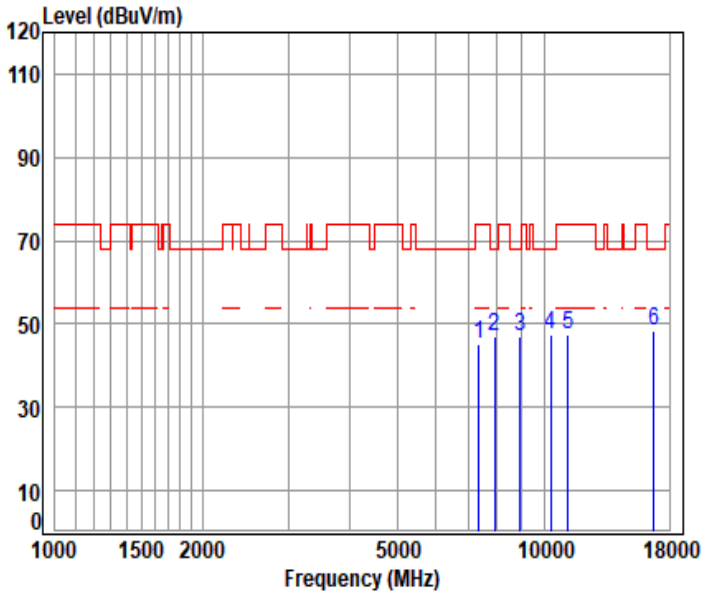
11be_20M_100_TX_CH_116_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5580 TX RSE
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7465.763	11.32	36.80	56.33	53.62	45.41	74.00	-28.59	peak
2	8350.908	11.69	38.70	55.58	51.39	46.20	74.00	-27.80	peak
3	8680.473	12.06	38.52	55.29	52.37	47.66	68.20	-20.54	peak
4	pp10374.240	13.61	39.00	53.88	49.86	48.59	68.20	-19.61	peak
5	11160.000	14.72	39.56	53.55	47.26	47.99	74.00	-26.01	peak
6	16740.000	17.54	39.48	54.22	45.48	48.28	68.20	-19.92	peak

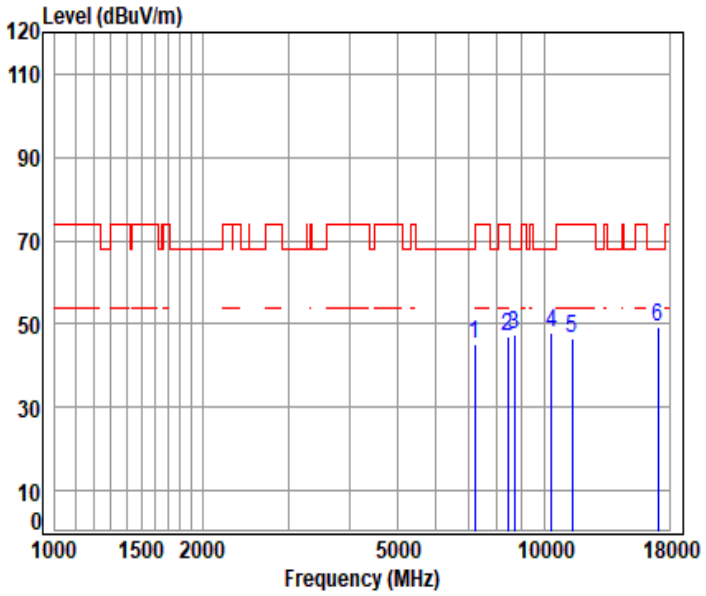
11be_20M_100_TX_CH_116_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5580 TX RSE
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7360.057	11.50	36.78	56.41	53.16	45.03	74.00	-28.97	peak
2	7912.043	11.54	37.62	55.97	53.78	46.97	68.20	-21.23	peak
3	8913.427	12.21	38.57	55.08	51.52	47.22	68.20	-20.98	peak
4	10290.050	13.53	39.01	53.93	49.06	47.67	68.20	-20.53	peak
5	11160.000	14.72	39.56	53.55	46.77	47.50	74.00	-26.50	peak
6	pp16740.000	17.54	39.48	54.22	45.53	48.33	68.20	-19.87	peak

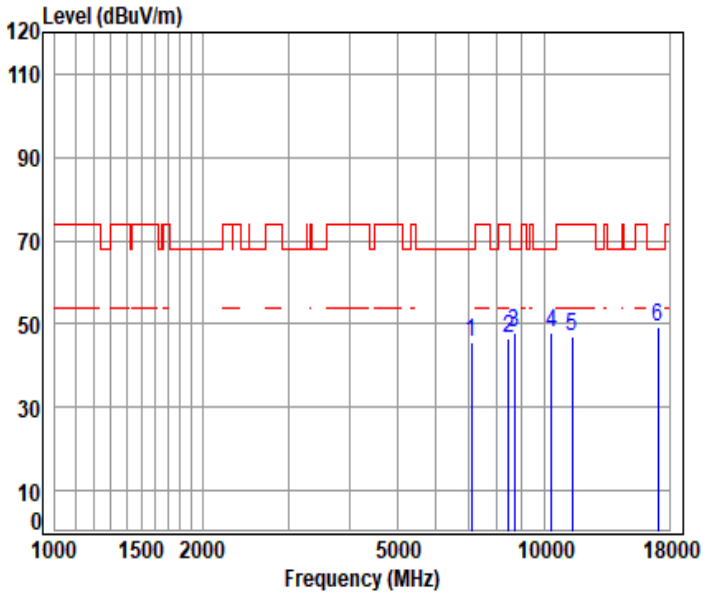
11be_20M_100_TX_CH_140_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5700 TX RSE
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7218.988	11.52	36.60	56.52	53.68	45.28	68.20	-22.92	peak
2	8436.402	11.88	38.45	55.51	52.36	47.18	74.00	-26.82	peak
3	8671.635	12.05	38.49	55.30	52.10	47.34	68.20	-20.86	peak
4	10332.060	13.59	39.00	53.90	49.11	47.80	68.20	-20.40	peak
5	11400.000	14.21	39.70	53.62	46.19	46.48	74.00	-27.52	peak
6	pp17100.000	18.47	39.80	54.32	45.32	49.27	68.20	-18.93	peak

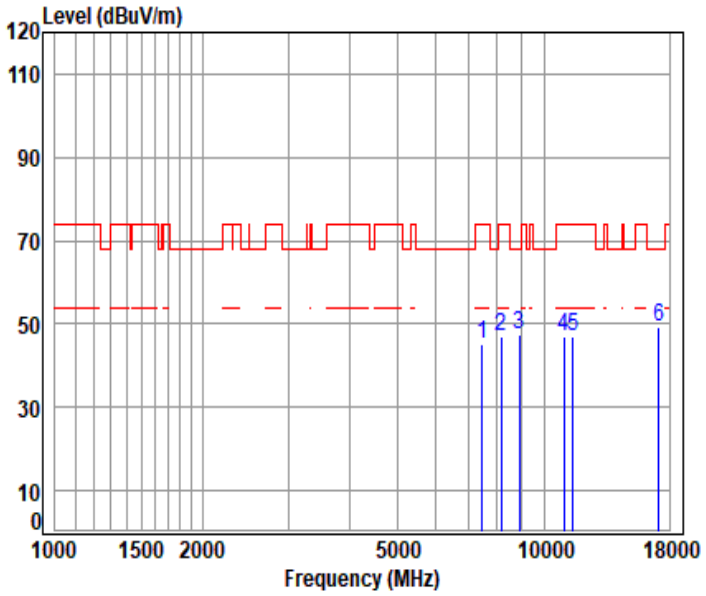
11be_20M_100_TX_CH_140_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5700 TX RSE
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7095.063	11.96	36.39	56.62	54.04	45.77	68.20	-22.43	peak
2	8453.606	11.99	38.39	55.49	51.50	46.39	74.00	-27.61	peak
3	8680.473	12.06	38.52	55.29	52.52	47.81	68.20	-20.39	peak
4	10363.680	13.61	39.00	53.88	49.37	48.10	68.20	-20.10	peak
5	11400.000	14.21	39.70	53.62	46.70	46.99	74.00	-27.01	peak
6	pp17100.000	18.47	39.80	54.32	45.22	49.17	68.20	-19.03	peak

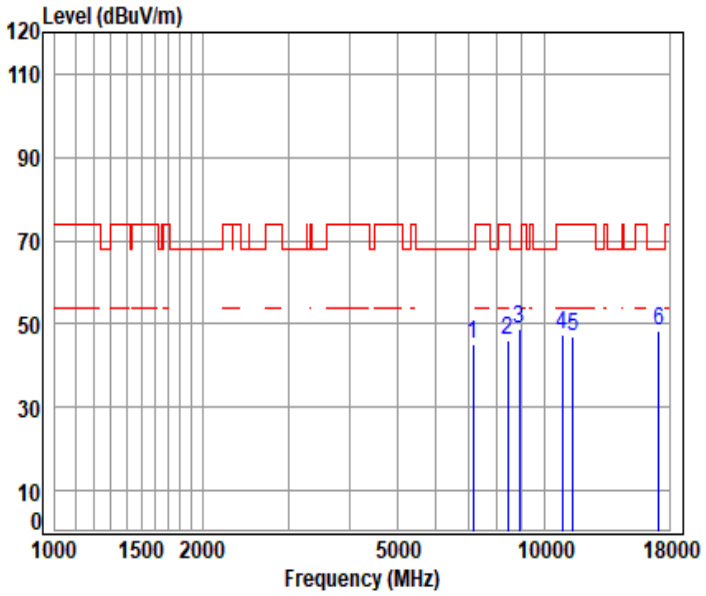
11be_20M_Straddle_TX_CH_144_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5720 TX RSE
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7458.163	11.34	36.80	56.33	53.18	44.99	74.00	-29.01	peak
2	8174.179	11.54	37.95	55.74	53.27	47.02	74.00	-26.98	peak
3	8877.185	12.23	38.55	55.11	51.84	47.51	68.20	-20.69	peak
4	10960.830	14.09	39.36	53.52	47.18	47.11	74.00	-26.89	peak
5	11440.000	14.55	39.66	53.63	46.46	47.04	74.00	-26.96	peak
6	pp17160.000	18.08	39.86	54.33	45.72	49.33	68.20	-18.87	peak

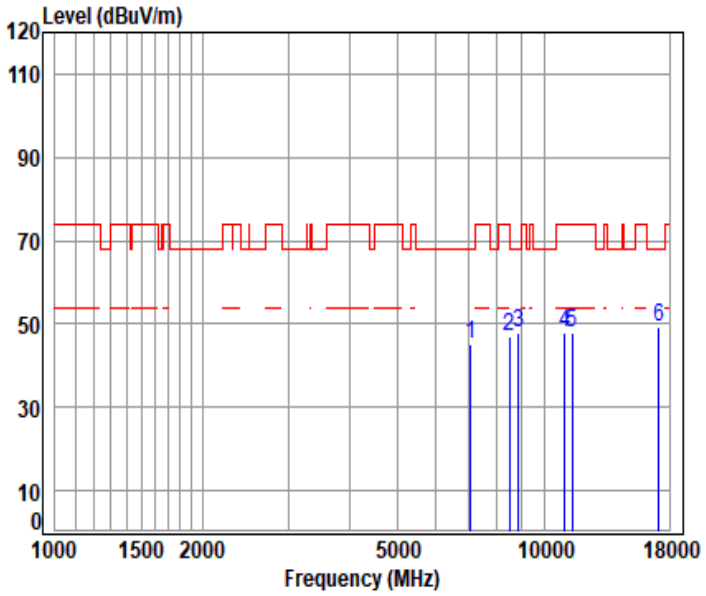
11be_20M_Straddle_TX_CH_144_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5720 TX RSE
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7153.113	11.74	36.51	56.58	53.63	45.30	68.20	-22.90	peak
2	8427.813	11.82	38.49	55.51	51.45	46.25	74.00	-27.75	peak
3 pp	8904.353	12.22	38.59	55.09	53.00	48.72	68.20	-19.48	peak
4	10860.810	13.85	39.30	53.58	48.04	47.61	74.00	-26.39	peak
5	11440.000	14.55	39.66	53.63	46.51	47.09	74.00	-26.91	peak
6	17160.000	18.08	39.86	54.33	44.61	48.22	68.20	-19.98	peak

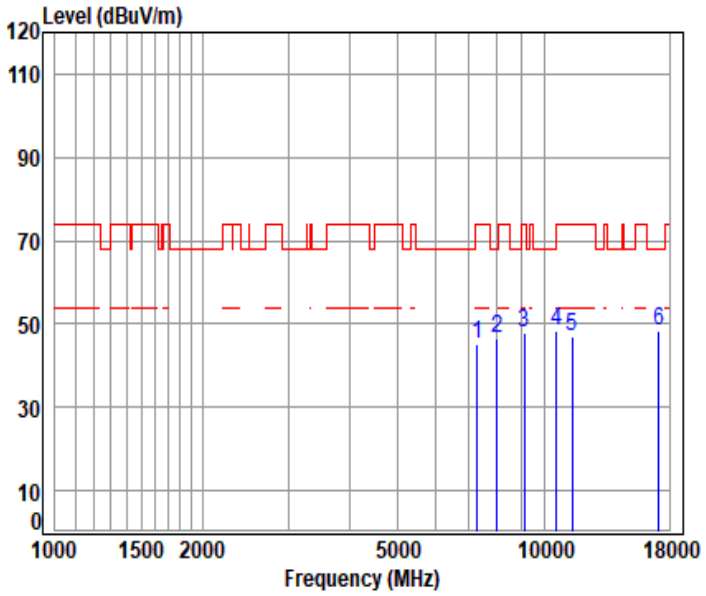
11ac_40M_Straddle_TX_CH_142_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5710 TX RSE
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7059.021	11.74	36.32	56.65	53.56	44.97	68.20	-23.23	peak
2	8470.845	12.11	38.36	55.48	52.21	47.20	74.00	-26.80	peak
3	8841.090	12.24	38.50	55.14	52.26	47.86	68.20	-20.34	peak
4	10994.380	14.16	39.39	53.50	47.67	47.72	74.00	-26.28	peak
5	11420.000	14.38	39.68	53.63	47.41	47.84	74.00	-26.16	peak
6	pp17130.000	18.27	39.83	54.33	45.66	49.43	68.20	-18.77	peak

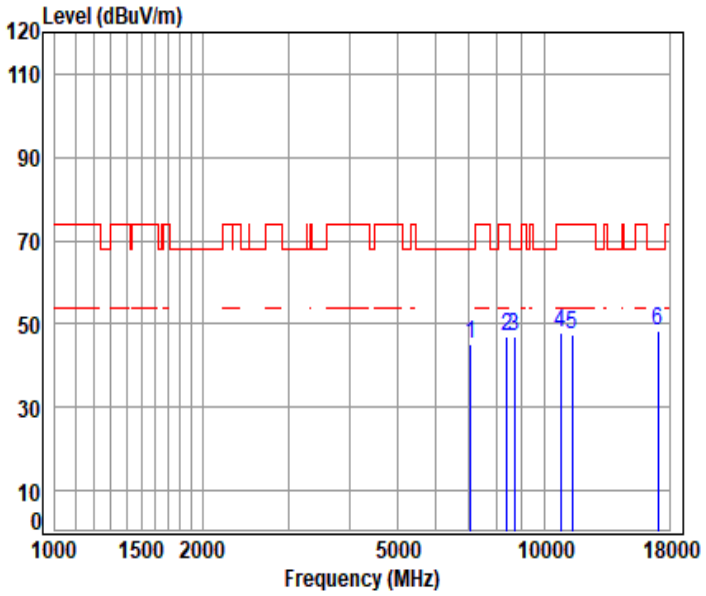
11ac_40M_Straddle_TX_CH_142_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5710 TX RSE
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7300.327	11.51	36.70	56.46	53.63	45.38	74.00	-28.62	peak
2	8009.345	11.55	37.80	55.89	53.14	46.60	68.20	-21.60	peak
3	9115.418	12.15	38.63	54.90	51.95	47.83	74.00	-26.17	peak
4	10598.530	13.59	39.30	53.74	49.20	48.35	68.20	-19.85	peak
5	11420.000	14.38	39.68	53.63	46.55	46.98	74.00	-27.02	peak
6	pp17130.000	18.27	39.83	54.33	44.63	48.40	68.20	-19.80	peak

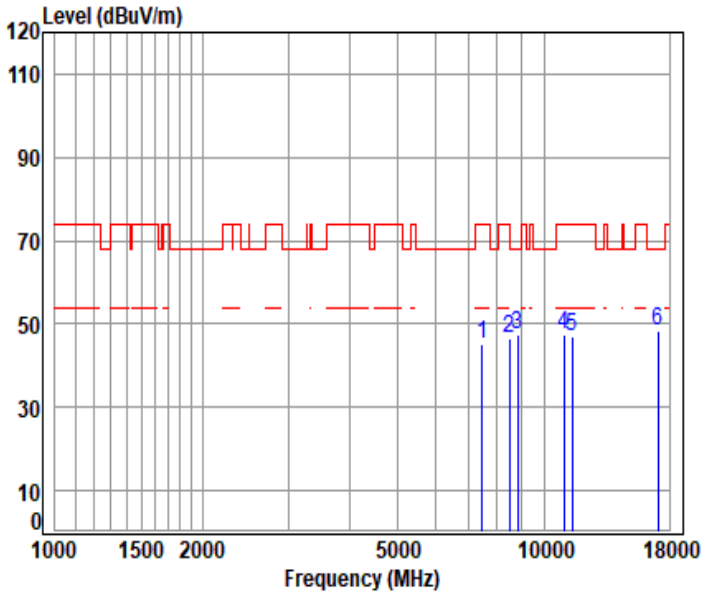
11ac_80M_Straddle_TX_CH_138_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5690 TX RSE
: 5G Wi-Fi 11ac80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7059.021	11.74	36.32	56.65	53.57	44.98	68.20	-23.22	peak
2	8376.465	11.66	38.65	55.56	52.45	47.20	74.00	-26.80	peak
3	8680.473	12.06	38.52	55.29	51.76	47.05	68.20	-21.15	peak
4	10794.640	13.70	39.31	53.62	48.37	47.76	74.00	-26.24	peak
5	11380.000	14.30	39.70	53.61	47.27	47.66	74.00	-26.34	peak
6	pp17070.000	18.35	39.77	54.31	44.75	48.56	68.20	-19.64	peak

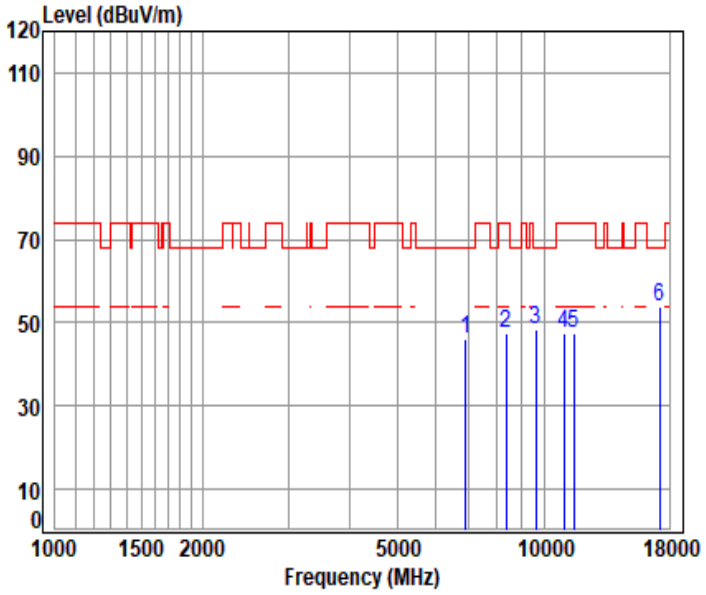
11ac_80M_Straddle_TX_CH_138_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5690 TX RSE
: 5G Wi-Fi 11ac80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7465.763	11.32	36.80	56.33	53.35	45.14	74.00	-28.86	peak
2	8496.769	12.29	38.31	55.45	51.41	46.56	74.00	-27.44	peak
3	8832.090	12.24	38.50	55.15	51.99	47.58	68.20	-20.62	peak
4	10960.830	14.09	39.36	53.52	47.56	47.49	74.00	-26.51	peak
5	11380.000	14.30	39.70	53.61	46.76	47.15	74.00	-26.85	peak
6	pp17070.000	18.35	39.77	54.31	44.60	48.41	68.20	-19.79	peak

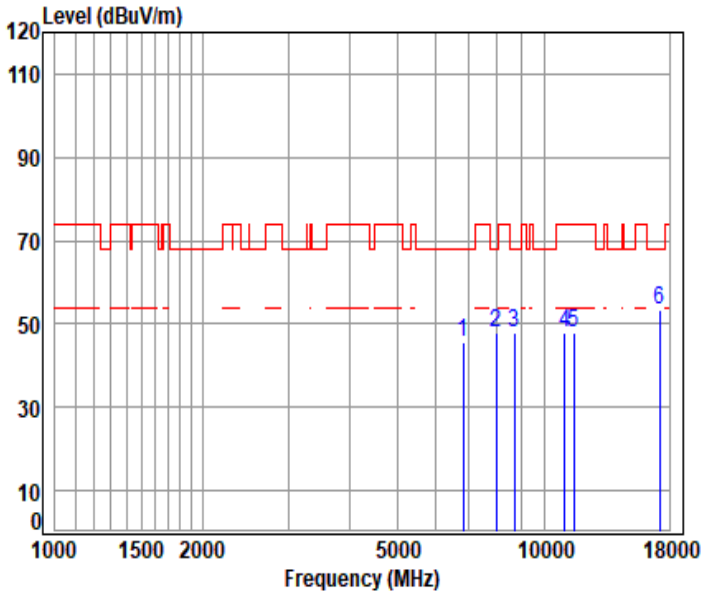
11a_TX_CH_149_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5745 TX RSE
: 5.8G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6916.673	11.37	36.17	56.72	55.33	46.15	68.20	-22.05	peak
2	8359.419	11.68	38.68	55.58	52.65	47.43	74.00	-26.57	peak
3	9621.031	12.49	38.76	54.44	51.52	48.33	68.20	-19.87	peak
4	10972.000	14.11	39.37	53.52	47.63	47.59	74.00	-26.41	peak
5	11490.000	14.97	39.61	53.65	46.57	47.50	74.00	-26.50	peak
6	pp17235.000	17.83	40.01	54.35	50.49	53.98	68.20	-14.22	peak

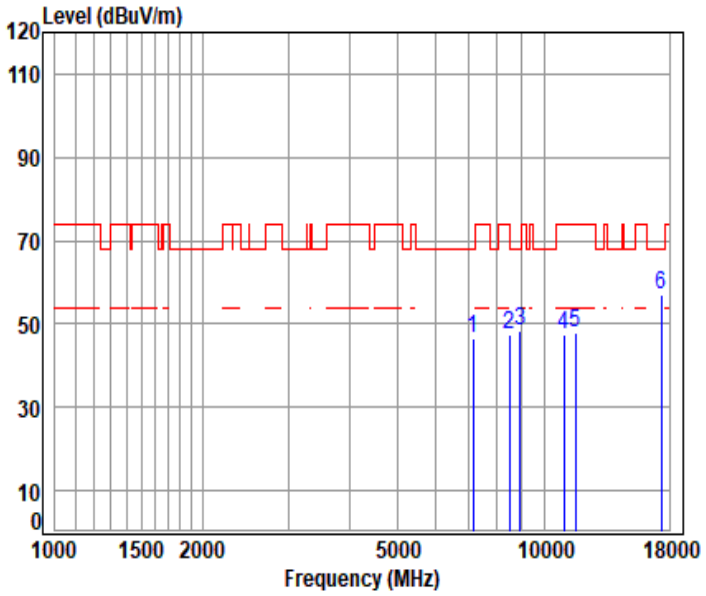
11a_TX_CH_149_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5745 TX RSE
: 5.8G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6818.742	11.37	35.94	56.74	55.18	45.75	68.20	-22.45	peak
2	7984.908	11.56	37.77	55.91	54.38	47.80	68.20	-20.40	peak
3	8671.635	12.05	38.49	55.30	52.73	47.97	68.20	-20.23	peak
4	11005.580	14.20	39.41	53.50	47.66	47.77	74.00	-26.23	peak
5	11490.000	14.97	39.61	53.65	46.90	47.83	74.00	-26.17	peak
6	pp17235.000	17.83	40.01	54.35	49.83	53.32	68.20	-14.88	peak

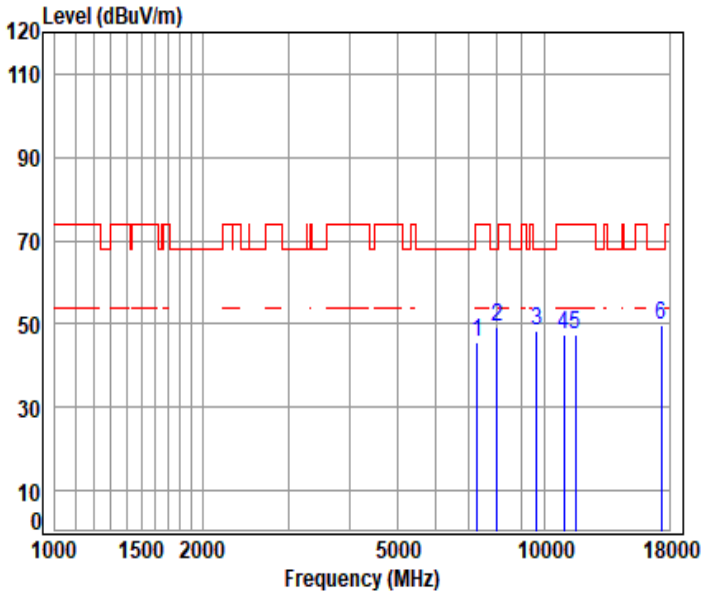
11a_TX_CH_157_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5785 TX RSE
: 5.8G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7160.403	11.71	36.52	56.57	54.66	46.32	68.20	-21.88	peak
2	8479.478	12.17	38.34	55.47	52.55	47.59	74.00	-26.41	peak
3	8913.427	12.21	38.57	55.08	52.83	48.53	68.20	-19.67	peak
4	10960.830	14.09	39.36	53.52	47.43	47.36	74.00	-26.64	peak
5	11570.000	14.78	39.60	53.67	46.99	47.70	74.00	-26.30	peak
6	pp17355.000	18.00	40.31	54.37	52.99	56.93	68.20	-11.27	peak

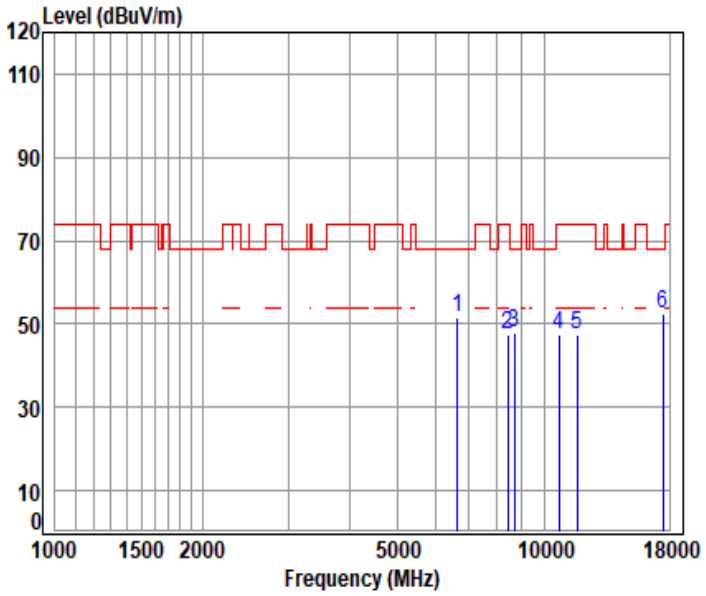
11a_TX_CH_157_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5785 TX RSE
: 5.8G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7300.327	11.51	36.70	56.46	53.98	45.73	74.00	-28.27	peak
2	7993.045	11.56	37.79	55.91	56.06	49.50	68.20	-18.70	peak
3	9650.476	12.57	38.70	54.41	51.59	48.45	68.20	-19.75	peak
4	10983.190	14.13	39.38	53.51	47.38	47.38	74.00	-26.62	peak
5	11570.000	14.78	39.60	53.67	46.83	47.54	74.00	-26.46	peak
6	pp17355.000	18.00	40.31	54.37	45.88	49.82	68.20	-18.38	peak

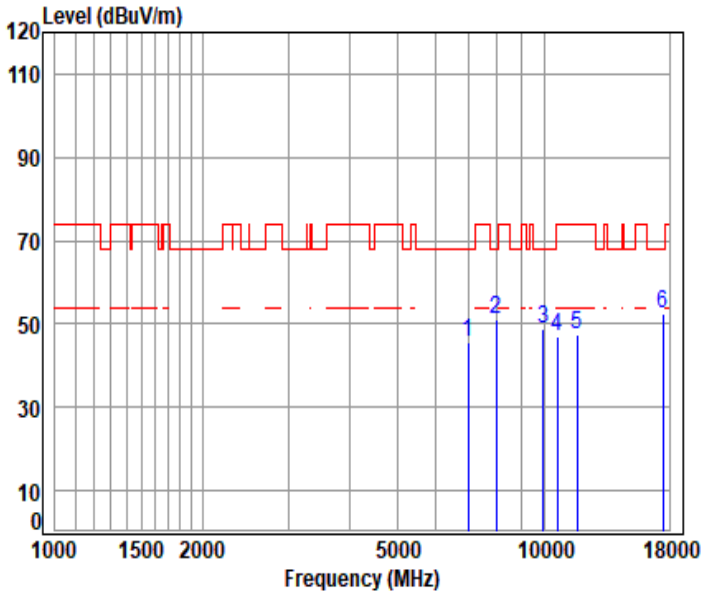
11a_TX_CH_165_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5825 TX RSE
: 5.8G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6654.074	11.50	35.49	56.77	61.41	51.63	68.20	-16.57	peak
2	8419.234	11.76	38.52	55.52	52.55	47.31	74.00	-26.69	peak
3	8698.174	12.09	38.59	55.27	52.70	48.11	68.20	-20.09	peak
4	10707.040	14.01	39.39	53.68	47.55	47.27	74.00	-26.73	peak
5	11650.000	14.69	39.55	53.69	46.99	47.54	74.00	-26.46	peak
6	pp17475.000	18.35	40.78	54.40	47.70	52.43	68.20	-15.77	peak

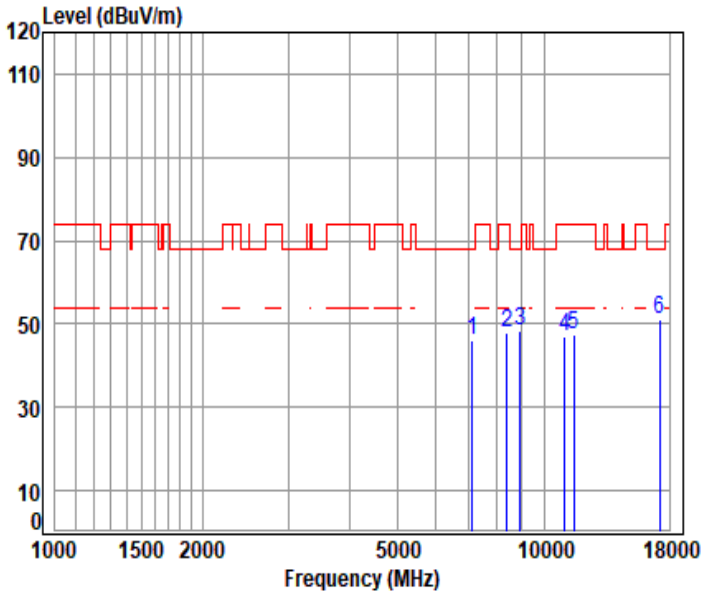
11a_TX_CH_165_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5825 TX RSE
: 5.8G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	6980.371	11.37	36.16	56.70	54.94	45.77	68.20	-22.43	peak
2	7984.908	11.56	37.77	55.91	57.87	51.29	68.20	-16.91	peak
3	9949.918	12.90	38.90	54.15	51.00	48.65	68.20	-19.55	peak
4	10630.970	13.73	39.33	53.72	47.76	47.10	74.00	-26.90	peak
5	11650.000	14.69	39.55	53.69	47.06	47.61	74.00	-26.39	peak
6	pp17475.000	18.35	40.78	54.40	47.94	52.67	68.20	-15.53	peak

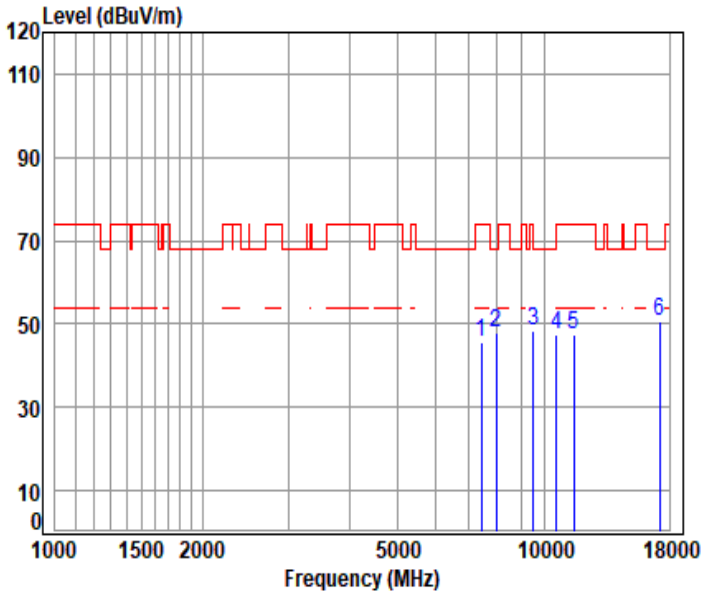
11be_20M_TX_CH_149_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5745 TX RSE
: 5.8G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7124.029	11.88	36.45	56.60	54.35	46.08	68.20	-22.12	peak
2	8402.101	11.64	38.59	55.54	53.13	47.82	74.00	-26.18	peak
3	8913.427	12.21	38.57	55.08	52.64	48.34	68.20	-19.86	peak
4	10994.380	14.16	39.39	53.50	47.04	47.09	74.00	-26.91	peak
5	11490.000	14.97	39.61	53.65	46.64	47.57	74.00	-26.43	peak
6	pp17235.000	17.83	40.01	54.35	47.58	51.07	68.20	-17.13	peak

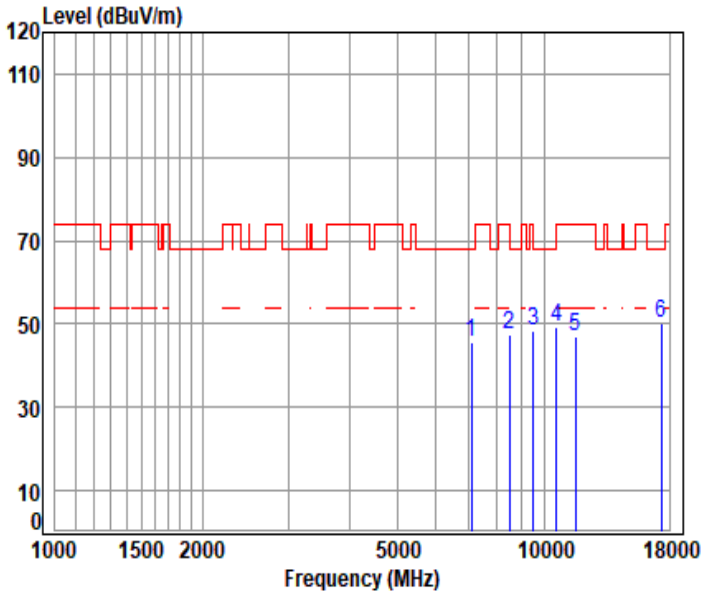
11be_20M_TX_CH_149_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5745 TX RSE
: 5.8G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7442.985	11.38	36.79	56.35	54.02	45.84	74.00	-28.16	peak
2	7984.908	11.56	37.77	55.91	54.32	47.74	68.20	-20.46	peak
3	9513.836	12.54	38.87	54.54	51.51	48.38	68.20	-19.82	peak
4	10609.330	13.63	39.31	53.73	48.43	47.64	74.00	-26.36	peak
5	11490.000	14.97	39.61	53.65	46.49	47.42	74.00	-26.58	peak
6	pp17235.000	17.83	40.01	54.35	47.31	50.80	68.20	-17.40	peak

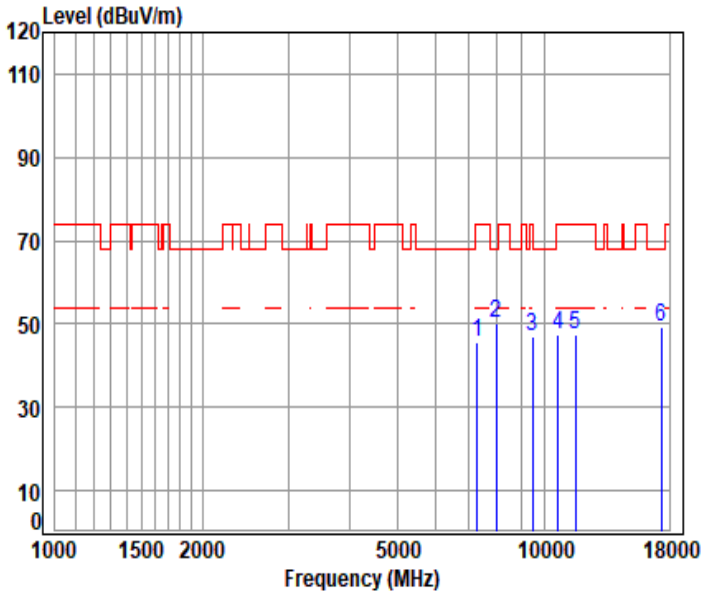
11be_20M_TX_CH_157_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5785 TX RSE
: 5.8G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7102.293	11.98	36.40	56.62	53.93	45.69	68.20	-22.51	peak
2	8496.769	12.29	38.31	55.45	52.41	47.56	74.00	-26.44	peak
3	9504.150	12.55	38.89	54.55	51.41	48.30	68.20	-19.90	peak
4	10587.740	13.60	39.28	53.75	50.14	49.27	68.20	-18.93	peak
5	11570.000	14.78	39.60	53.67	46.50	47.21	74.00	-26.79	peak
6	pp17355.000	18.00	40.31	54.37	46.47	50.41	68.20	-17.79	peak

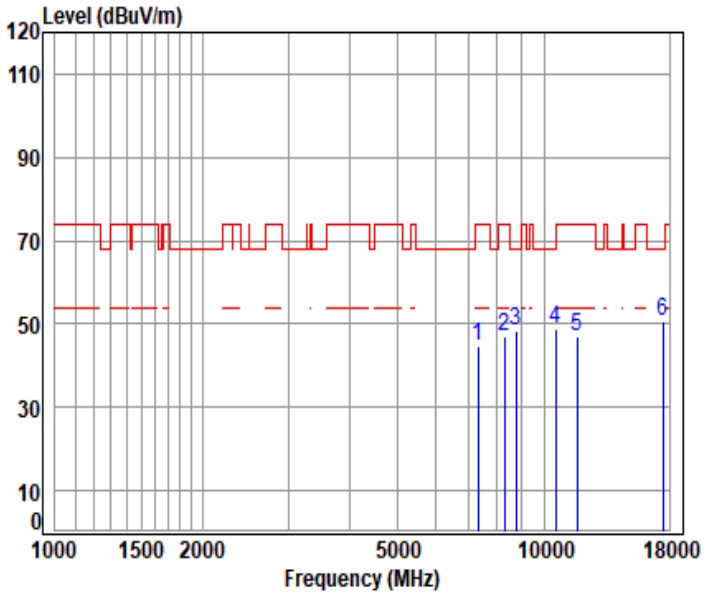
11be_20M_TX_CH_157_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5785 TX RSE
: 5.8G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7292.895	11.51	36.69	56.47	53.92	45.65	74.00	-28.35	peak
2 pp	7976.779	11.56	37.75	55.92	56.83	50.22	68.20	-17.98	peak
3	9465.507	12.47	38.83	54.58	50.49	47.21	74.00	-26.79	peak
4	10652.650	13.83	39.35	53.71	48.03	47.50	74.00	-26.50	peak
5	11570.000	14.78	39.60	53.67	46.97	47.68	74.00	-26.32	peak
6	17355.000	18.00	40.31	54.37	45.55	49.49	68.20	-18.71	peak

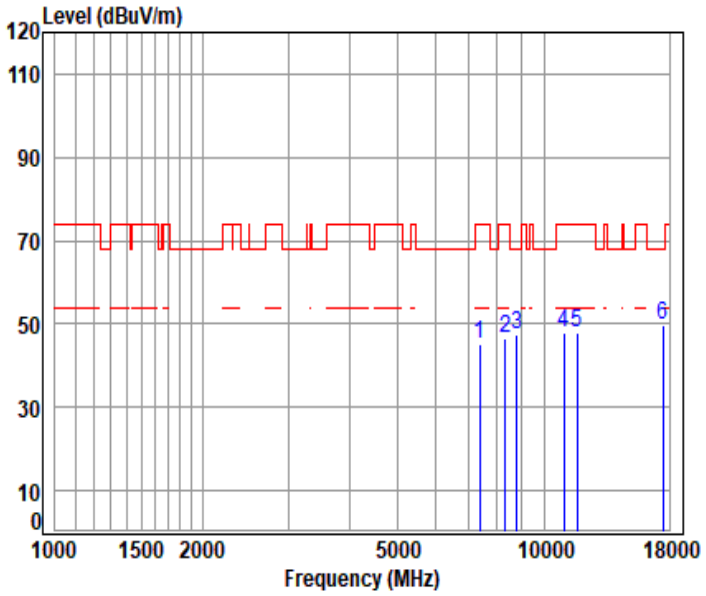
11be_20M_TX_CH_165_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5825 TX RSE
: 5.8G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7322.668	11.51	36.75	56.44	52.83	44.65	74.00	-29.35	peak
2	8283.137	11.73	37.87	55.65	53.19	47.14	74.00	-26.86	peak
3	8769.341	12.20	38.50	55.21	52.85	48.34	68.20	-19.86	peak
4	10555.440	13.61	39.21	53.77	49.63	48.68	68.20	-19.52	peak
5	11650.000	14.69	39.55	53.69	46.36	46.91	74.00	-27.09	peak
6	pp17475.000	18.35	40.78	54.40	45.81	50.54	68.20	-17.66	peak

11be_20M_TX_CH_165_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5825 TX RSE
: 5.8G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	7375.065	11.50	36.75	56.40	53.19	45.04	74.00	-28.96	peak
2	8333.913	11.72	38.44	55.60	51.76	46.32	74.00	-27.68	peak
3	8778.277	12.22	38.50	55.20	51.94	47.46	68.20	-20.74	peak
4	10983.190	14.13	39.38	53.51	48.00	48.00	74.00	-26.00	peak
5	11650.000	14.69	39.55	53.69	47.33	47.88	74.00	-26.12	peak
6	pp17475.000	18.35	40.78	54.40	45.00	49.73	68.20	-18.47	peak

7.5 Radiated Emissions which fall in the restricted bands

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)
Test Method: ANSI C63.10 (2013) Section 6.10.5
Measurement Distance: 3m

Limit:

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

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

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

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

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

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

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

7.5.1 E.U.T. Operation

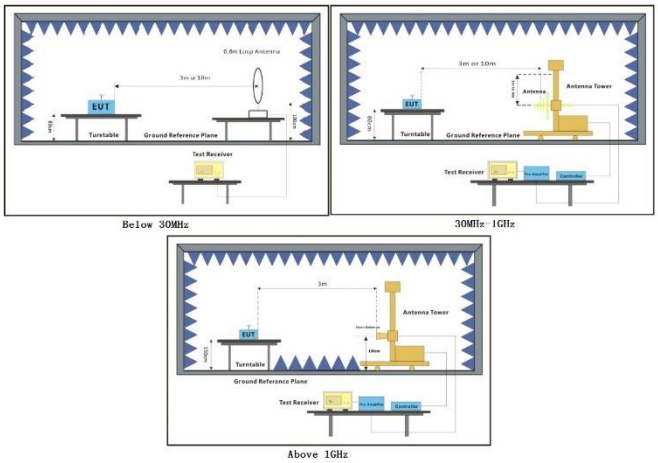
Operating Environment:

Temperature: 24.5 °C Humidity: 50.6 % RH Atmospheric Pressure: 1020 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	07	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	08	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

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

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

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

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

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

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

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

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

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

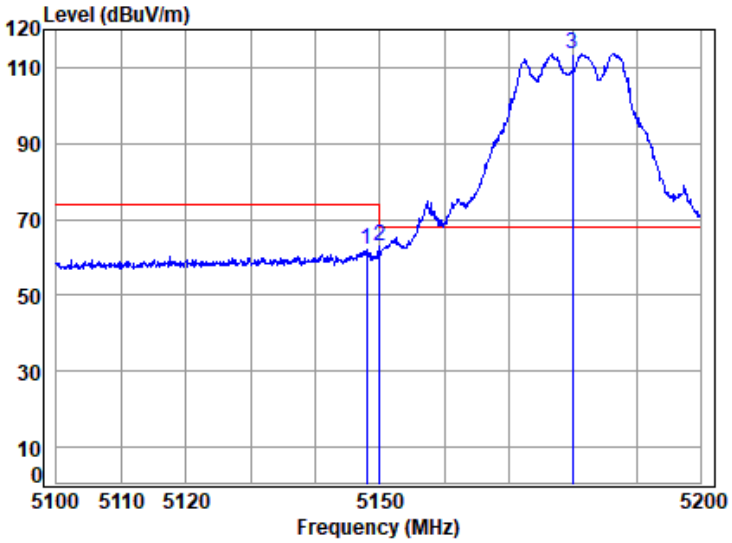
j. Repeat above procedures until all frequencies measured was complete.

Remark 1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

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

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

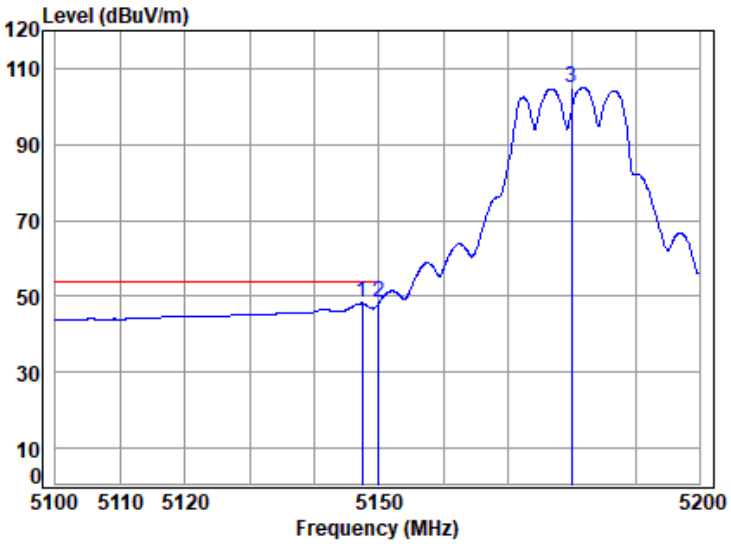
11a_TX_CH_36_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5180 Band edge
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5147.958	10.13	32.40	30.84	50.25	61.94	74.00	-12.06	Peak
2	5149.958	10.14	32.40	30.84	51.14	62.84	74.00	-11.16	Peak
3 pp	5180.000	10.25	32.46	30.83	101.91	113.79	68.20	45.59	Peak

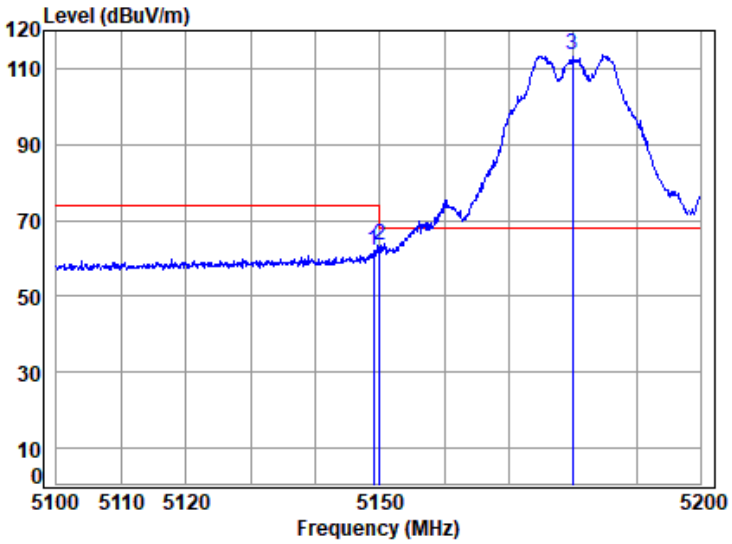
11a_TX_CH_36_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5180 Band edge
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5147.358	10.13	32.39	30.84	36.46	48.14	54.00	-5.86	Average
2 pp	5150.000	10.14	32.40	30.84	36.73	48.43	54.00	-5.57	Average
3	5180.000	10.25	32.46	30.83	93.02	104.90	------	------	Average

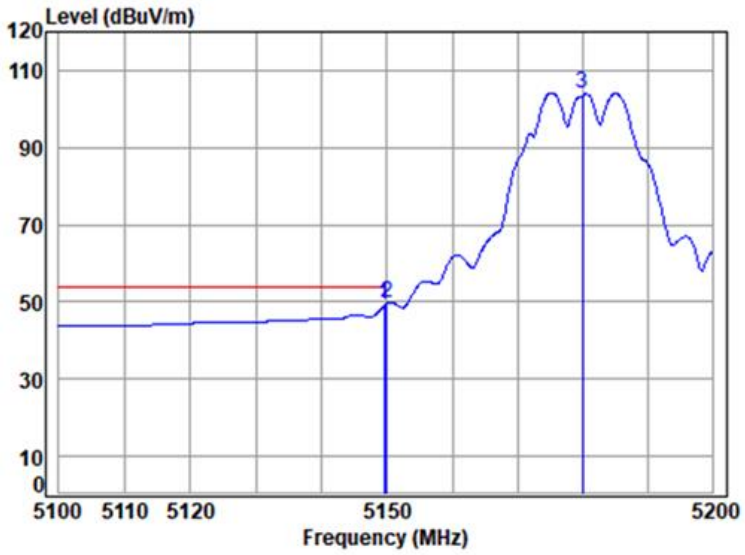
11a_TX_CH_36_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5180 Band edge
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.057	10.14	32.40	30.84	50.57	62.27	74.00	-11.73	Peak
2	5149.980	10.14	32.40	30.84	51.61	63.31	74.00	-10.69	Peak
3 pp	5180.000	10.25	32.46	30.83	101.56	113.44	68.20	45.24	Peak

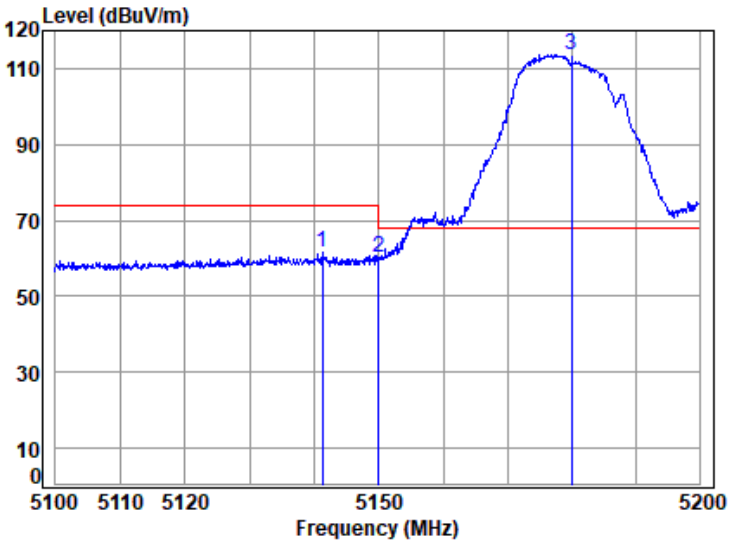
11a_TX_CH_36_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5180 Band edge
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.557	10.14	32.40	30.84	37.36	49.06	54.00	-4.94	Average
2 pp	5149.980	10.14	32.40	30.84	38.29	49.99	54.00	-4.01	Average
3	5180.000	10.25	32.46	30.83	92.34	104.22	------	------	Average

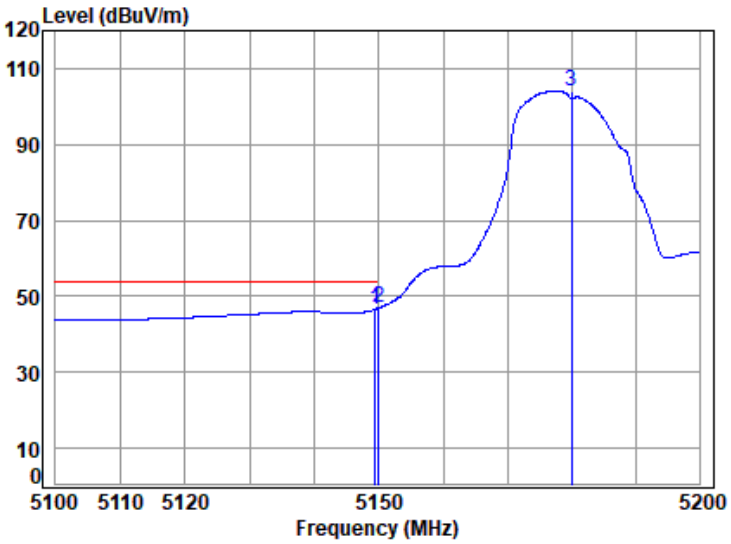
11ac_VHT(20M)_TX_CH_36_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5180 Band edge
: 5G Wi-Fi 11ac20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5141.265	10.11	32.38	30.84	50.07	61.72	74.00	-12.28	Peak
2	5149.958	10.14	32.40	30.84	48.72	60.42	74.00	-13.58	Peak
3 pp	5180.000	10.25	32.46	30.83	101.73	113.61	68.20	45.41	Peak

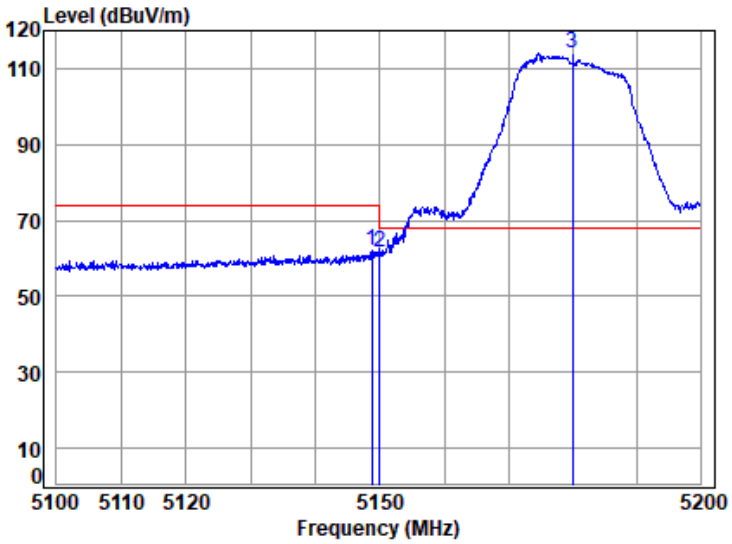
11ac_VHT(20M)_TX_CH_36_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5180 Band edge
: 5G Wi-Fi 11ac20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.458	10.14	32.40	30.84	34.93	46.63	54.00	-7.37	Average
2 pp	5149.980	10.14	32.40	30.84	35.27	46.97	54.00	-7.03	Average
3	5180.000	10.25	32.46	30.83	92.19	104.07	------	------	Average

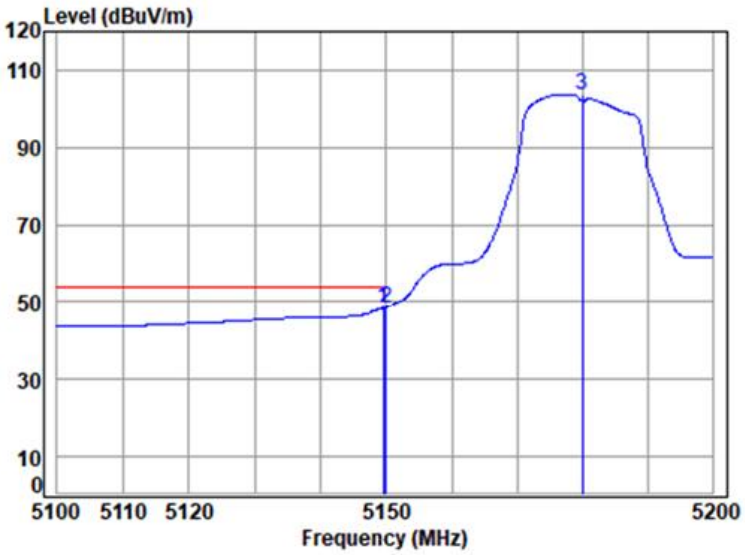
11ac_VHT(20M)_TX_CH_36_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5180 Band edge
: 5G Wi-Fi 11ac20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.757	10.14	32.40	30.84	50.27	61.97	74.00	-12.03	Peak
2	5149.990	10.14	32.40	30.84	50.01	61.71	74.00	-12.29	Peak
3 pp	5180.000	10.25	32.46	30.83	101.97	113.85	68.20	45.65	Peak

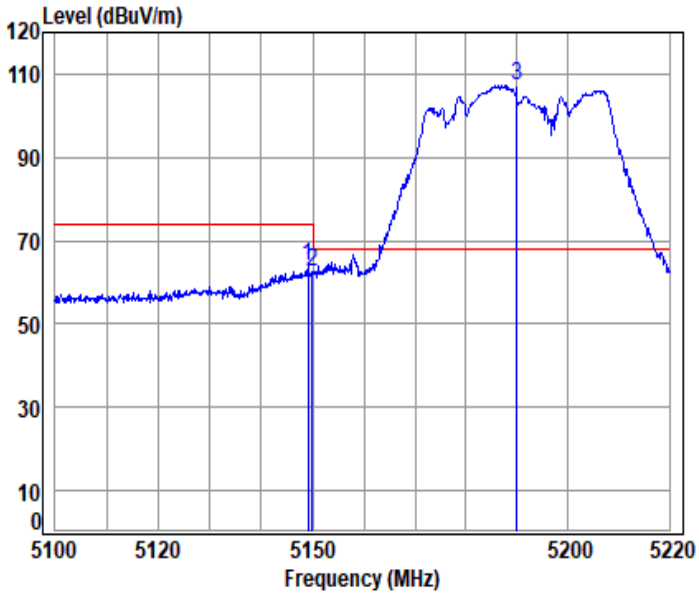
11ac_VHT(20M)_TX_CH_36_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5180 Band edge
: 5G Wi-Fi 11ac20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.557	10.14	32.40	30.84	37.56	49.26	54.00	-4.74	Average
2 pp	5149.958	10.14	32.40	30.84	37.79	49.49	54.00	-4.51	Average
3	5180.000	10.25	32.46	30.83	91.90	103.78	------	------	Average

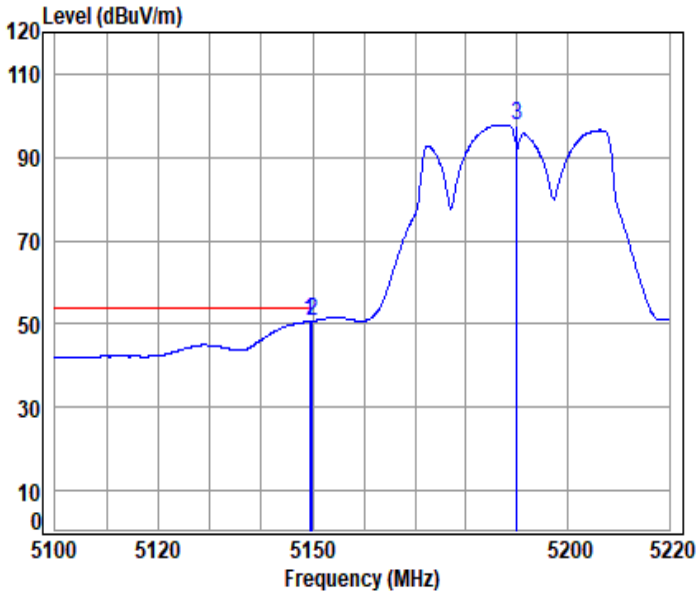
11ac_VHT(40M)_TX_CH_38_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5190 Band edge
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.102	10.14	32.40	30.84	52.17	63.87	74.00	-10.13	peak
2	5149.980	10.14	32.40	30.84	50.80	62.50	74.00	-11.50	peak
3 pp	5190.000	10.29	32.48	30.82	95.31	107.26	68.20	39.06	peak

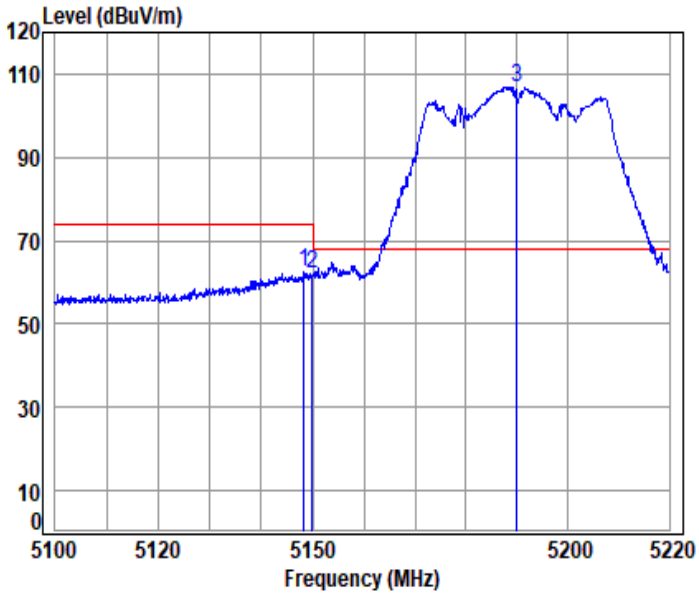
11ac_VHT(40M)_TX_CH_38_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5190 Band edge
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.461	10.14	32.40	30.84	38.94	50.64	54.00	-3.36	Average
2 pp	5149.980	10.14	32.40	30.84	39.08	50.78	54.00	-3.22	Average
3	5190.000	10.29	32.48	30.82	85.89	97.84	------	------	Average

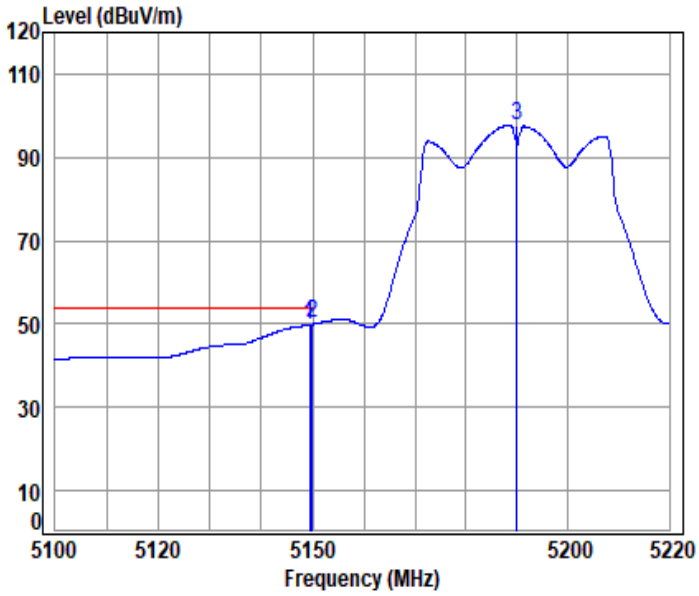
11ac_VHT(40M)_TX_CH_38_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5190 Band edge
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5148.264	10.13	32.40	30.84	50.66	62.35	74.00	-11.65	peak
2	5149.980	10.14	32.40	30.84	50.45	62.15	74.00	-11.85	peak
3 pp	5190.000	10.29	32.48	30.82	95.00	106.95	68.20	38.75	peak

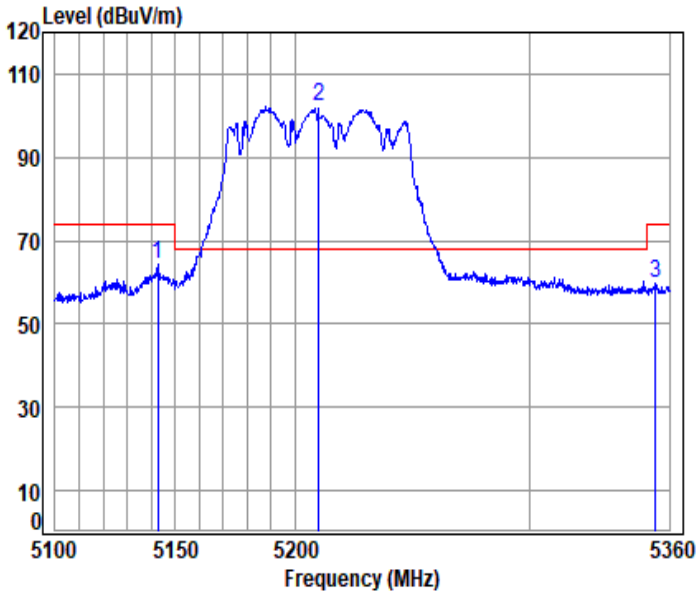
11ac_VHT(40M)_TX_CH_38_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5190 Band edge
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.461	10.14	32.40	30.84	38.12	49.82	54.00	-4.18	Average
2 pp	5149.980	10.14	32.40	30.84	38.26	49.96	54.00	-4.04	Average
3	5190.000	10.29	32.48	30.82	85.70	97.65	------	------	Average

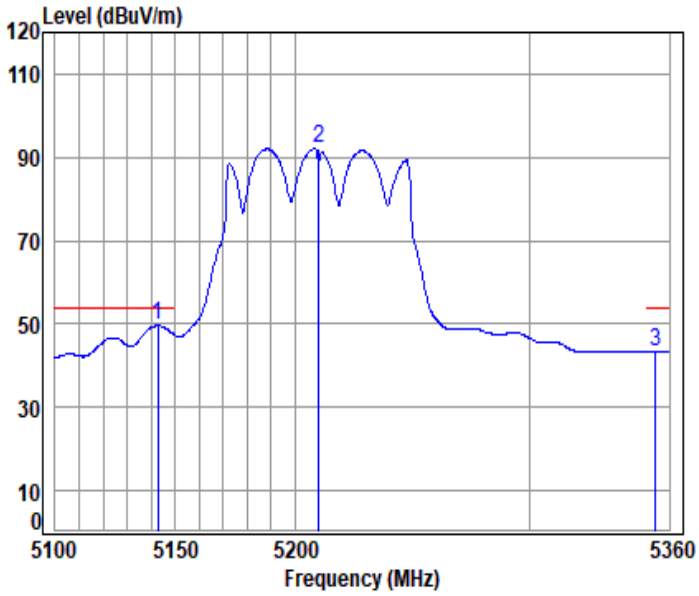
11ac_VHT(80M)_TX_CH_42_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5210 Band edge
: 5G Wi-Fi 11ac80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5142.526	10.11	32.39	30.84	52.51	64.17	74.00	-9.83	peak
2 pp	5210.000	10.32	32.52	30.82	90.30	102.32	68.20	34.12	peak
3	5354.140	10.46	32.80	30.76	47.12	59.62	74.00	-14.38	peak

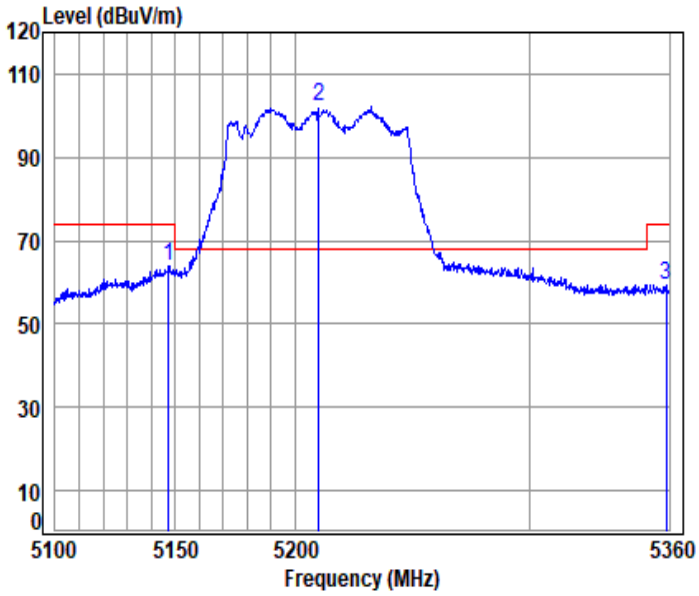
11ac_VHT(80M)_TX_CH_42_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5210 Band edge
: 5G Wi-Fi 11ac80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5142.781	10.11	32.39	30.84	37.96	49.62	54.00	-4.38	Average
2	5210.000	10.32	32.52	30.82	80.02	92.04	------	------	Average
3	5354.140	10.46	32.80	30.76	30.93	43.43	54.00	-10.57	Average

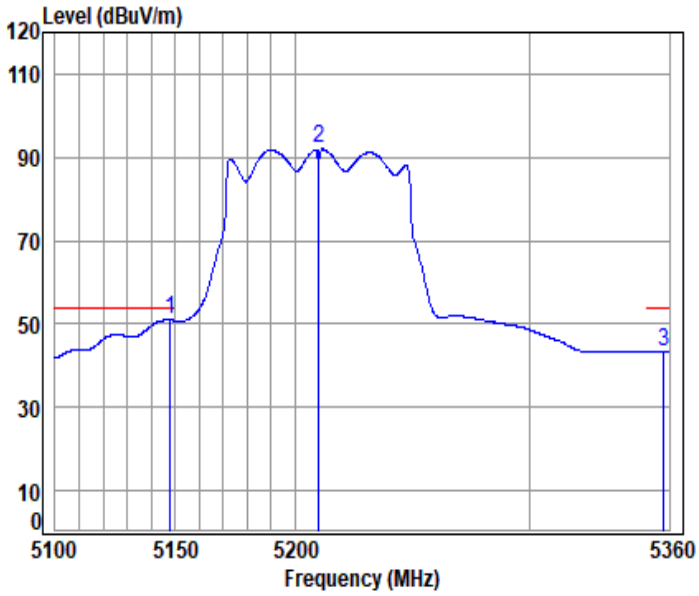
11ac_VHT(80M)_TX_CH_42_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5210 Band edge
: 5G Wi-Fi 11ac80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5147.130	10.13	32.39	30.84	52.18	63.86	74.00	-10.14	peak
2 pp	5210.000	10.32	32.52	30.82	89.96	101.98	68.20	33.78	peak
3	5358.667	10.48	32.80	30.76	46.92	59.44	74.00	-14.56	peak

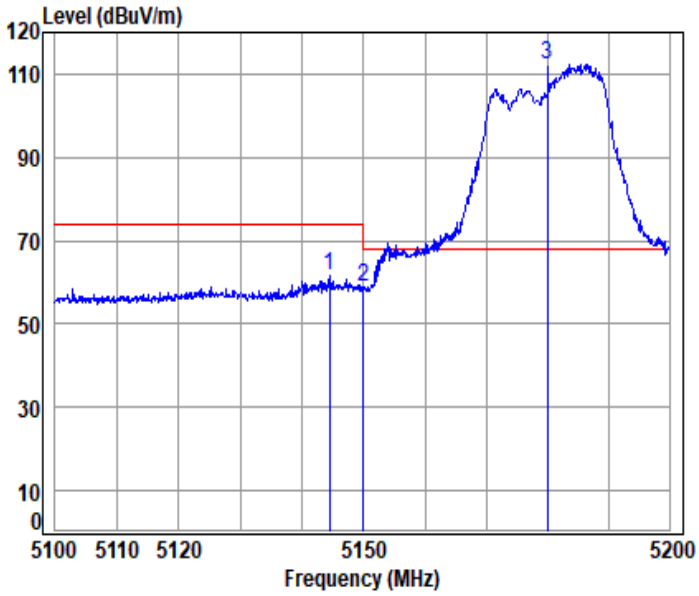
11ac_VHT(80M)_TX_CH_42_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5210 Band edge
: 5G Wi-Fi 11ac80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5147.643	10.13	32.40	30.84	39.31	51.00	54.00	-3.00	Average
2	5210.000	10.32	32.52	30.82	79.97	91.99	------	------	Average
3	5357.602	10.48	32.80	30.76	30.94	43.46	54.00	-10.54	Average

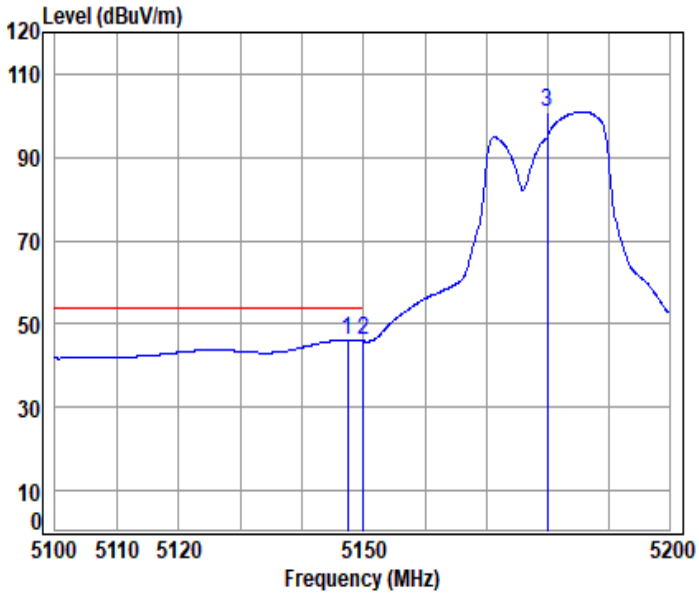
11be_20M_TX_CH_36_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5180 Band edge
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5144.460	10.12	32.39	30.84	49.71	61.38	74.00	-12.62	peak
2	5149.980	10.14	32.40	30.84	47.19	58.89	74.00	-15.11	peak
3 pp	5180.000	10.25	32.46	30.83	100.48	112.36	68.20	44.16	peak

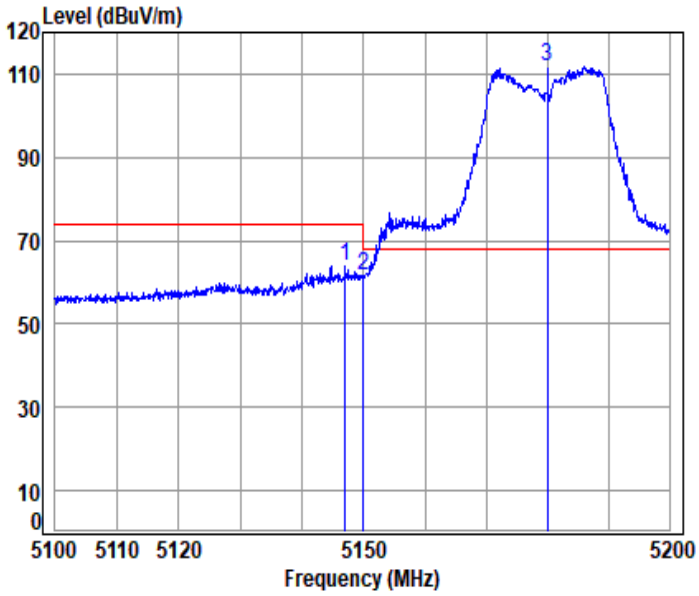
11be_20M_TX_CH_36_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5180 Band edge
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5147.358	10.13	32.39	30.84	34.41	46.09	54.00	-7.91	Average
2	5149.980	10.14	32.40	30.84	34.25	45.95	54.00	-8.05	Average
3	5180.000	10.25	32.46	30.83	89.07	100.95	------	------	Average

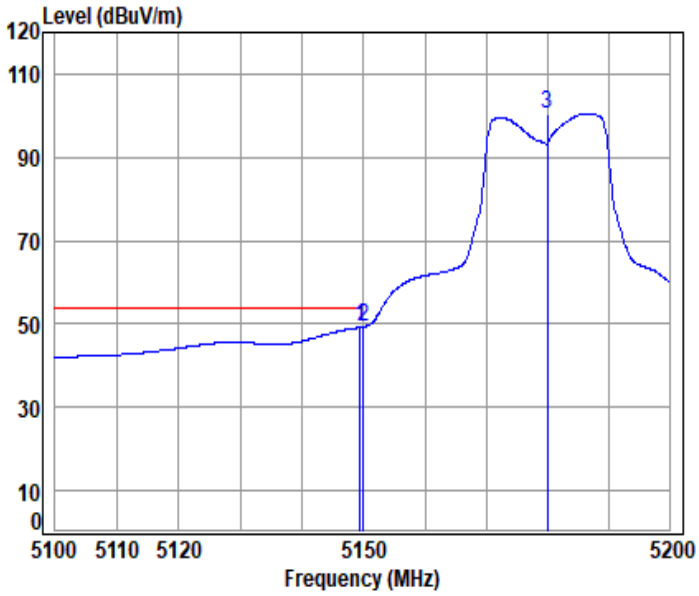
11be_20M_TX_CH_36_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5180 Band edge
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5146.958	10.13	32.39	30.84	52.23	63.91	74.00	-10.09	peak
2	5149.980	10.14	32.40	30.84	50.06	61.76	74.00	-12.24	peak
3 pp	5180.000	10.25	32.46	30.83	99.83	111.71	68.20	43.51	peak

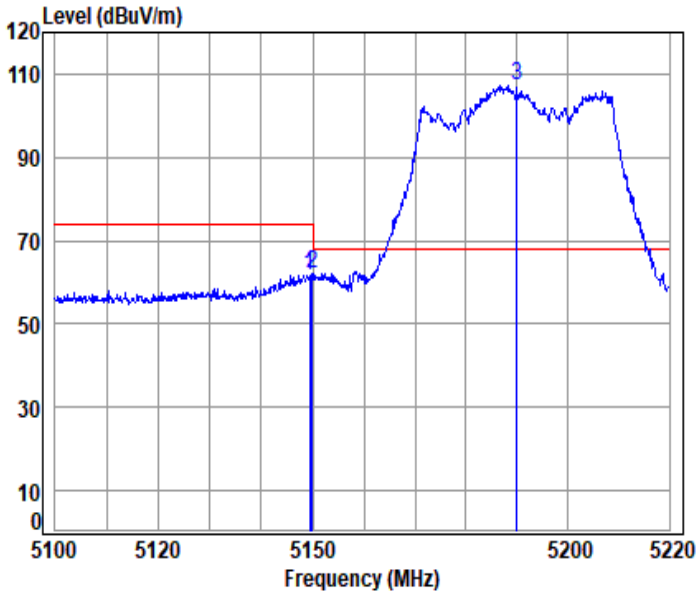
11be_20M_TX_CH_36_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5180 Band edge
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.458	10.14	32.40	30.84	37.52	49.22	54.00	-4.78	Average
2 pp	5149.980	10.14	32.40	30.84	37.75	49.45	54.00	-4.55	Average
3	5180.000	10.25	32.46	30.83	88.69	100.57	------	------	Average

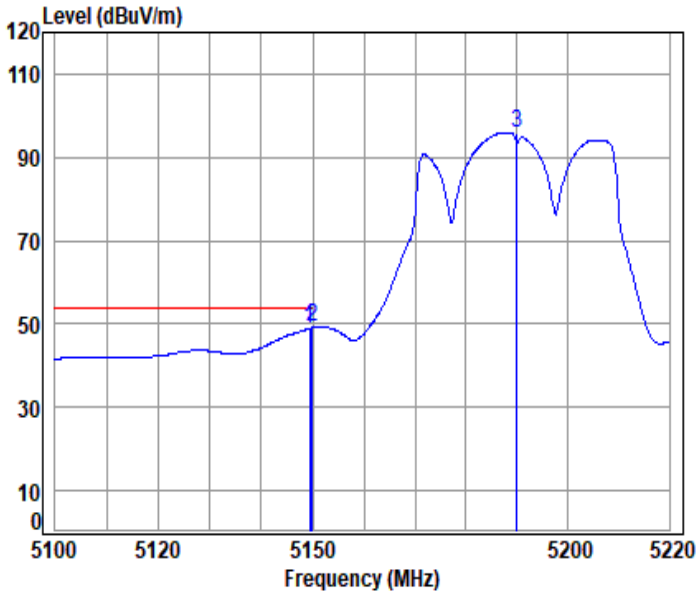
11be_40M_TX_CH_38_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5190 Band edge
: 5G Wi-Fi 11be40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.461	10.14	32.40	30.84	50.04	61.74	74.00	-12.26	peak
2	5149.980	10.14	32.40	30.84	50.37	62.07	74.00	-11.93	peak
3 pp	5190.000	10.29	32.48	30.82	95.29	107.24	68.20	39.04	peak

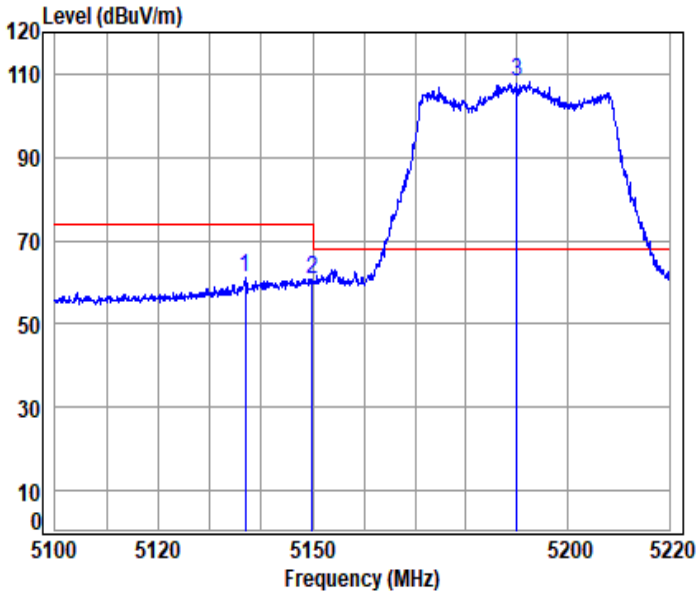
11be_40M_TX_CH_38_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5190 Band edge
: 5G Wi-Fi 11be40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.461	10.14	32.40	30.84	37.23	48.93	54.00	-5.07	Average
2 pp	5149.980	10.14	32.40	30.84	37.40	49.10	54.00	-4.90	Average
3	5190.000	10.29	32.48	30.82	84.00	95.95	------	------	Average

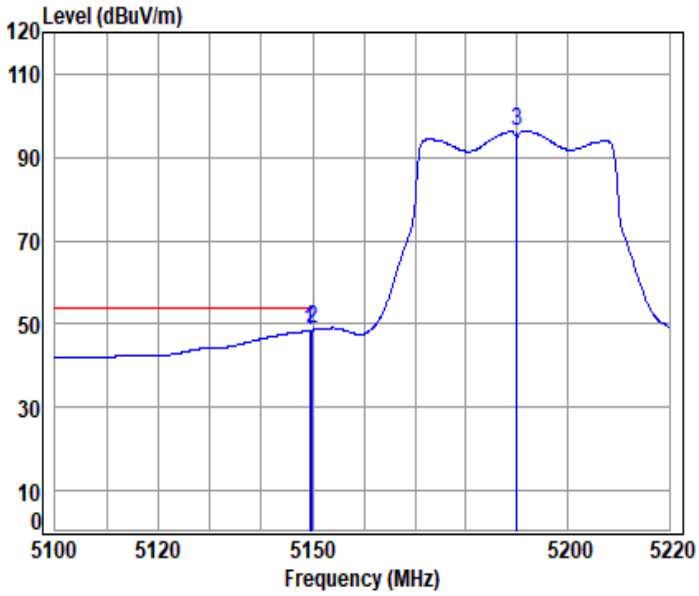
11be_40M_TX_CH_38_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5190 Band edge
: 5G Wi-Fi 11be40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5136.902	10.09	32.37	30.85	49.34	60.95	74.00	-13.05	peak
2	5149.980	10.14	32.40	30.84	49.09	60.79	74.00	-13.21	peak
3 pp	5190.000	10.29	32.48	30.82	96.29	108.24	68.20	40.04	peak

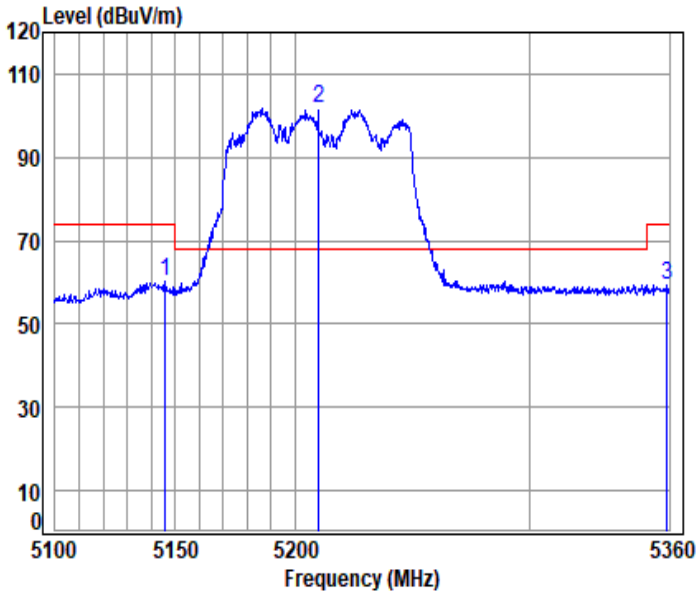
11be_40M_TX_CH_38_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5190 Band edge
: 5G Wi-Fi 11be40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.461	10.14	32.40	30.84	36.77	48.47	54.00	-5.53	Average
2 pp	5149.980	10.14	32.40	30.84	36.90	48.60	54.00	-5.40	Average
3	5190.000	10.29	32.48	30.82	84.43	96.38	------	------	Average

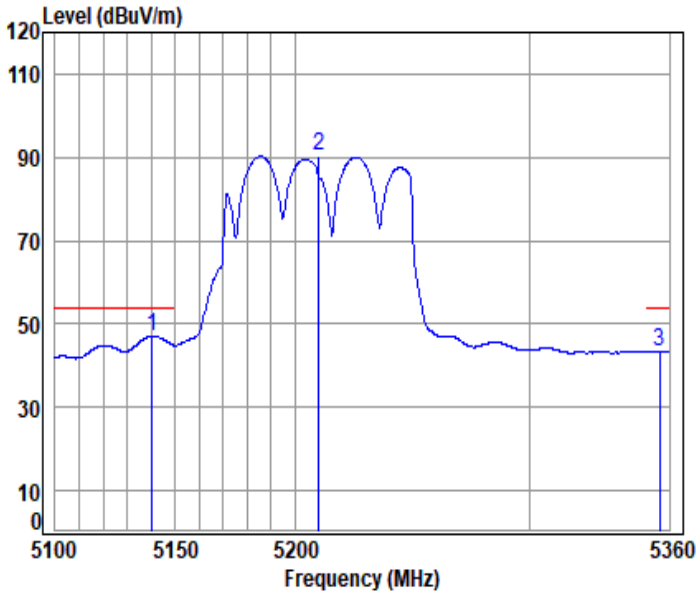
11be_80M_TX_CH_42_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5210 Band edge
: 5G Wi-Fi 11be80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5145.851	10.12	32.39	30.84	48.42	60.09	74.00	-13.91	peak
2 pp	5210.000	10.32	32.52	30.82	89.60	101.62	68.20	33.42	peak
3	5359.201	10.48	32.80	30.76	46.78	59.30	74.00	-14.70	peak

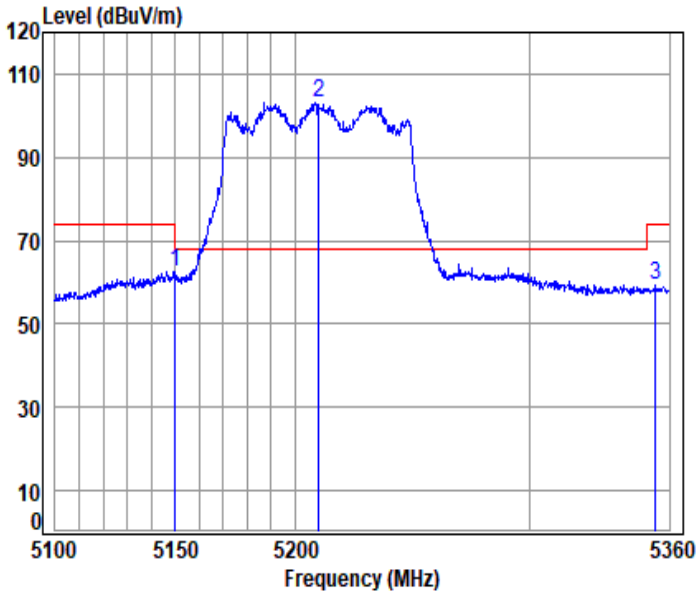
11be_80M_TX_CH_42_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5210 Band edge
: 5G Wi-Fi 11be80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5140.225	10.10	32.38	30.84	35.46	47.10	54.00	-6.90	Average
2	5210.000	10.32	32.52	30.82	78.19	90.21	------	------	Average
3	5356.004	10.47	32.80	30.76	30.87	43.38	54.00	-10.62	Average

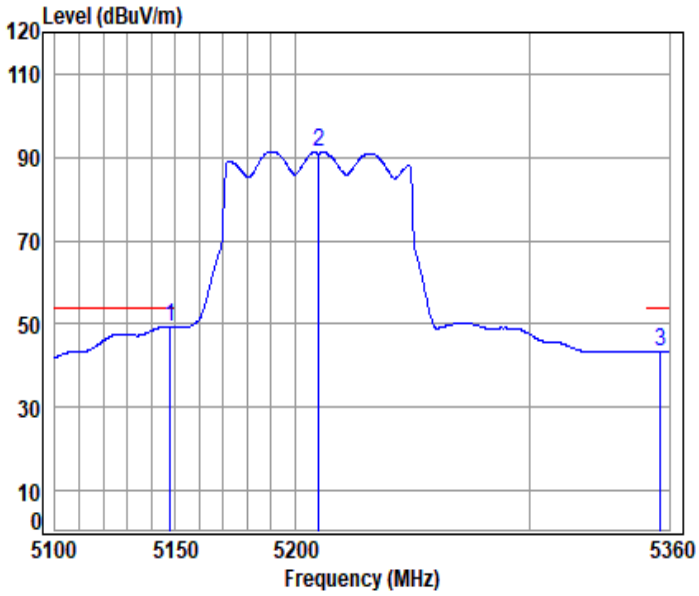
11be_80M_TX_CH_42_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5210 Band edge
: 5G Wi-Fi 11be80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.947	10.14	32.40	30.84	50.91	62.61	74.00	-11.39	peak
2 pp	5210.000	10.32	32.52	30.82	90.99	103.01	68.20	34.81	peak
3	5354.140	10.46	32.80	30.76	46.72	59.22	74.00	-14.78	peak

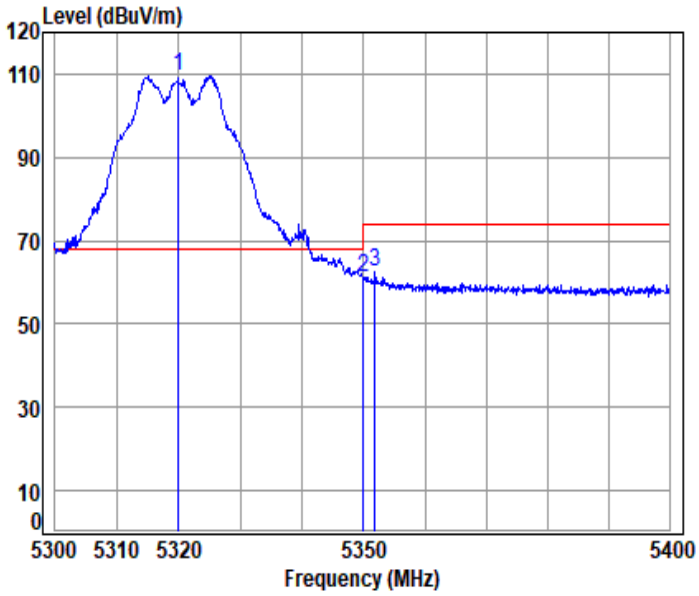
11be_80M_TX_CH_42_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5210 Band edge
: 5G Wi-Fi 11be80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5147.898	10.13	32.40	30.84	37.69	49.38	54.00	-4.62	Average
2	5210.000	10.32	32.52	30.82	79.38	91.40	------	------	Average
3	5356.270	10.47	32.80	30.76	30.97	43.48	54.00	-10.52	Average

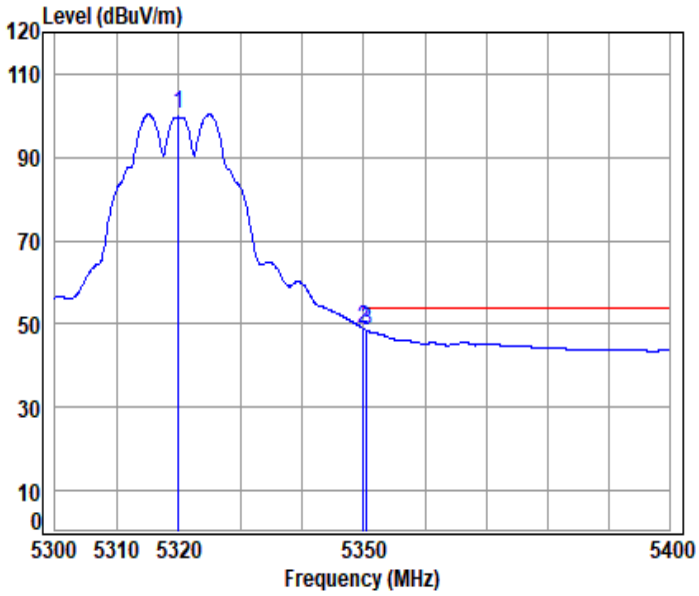
11a_20M_TX_CH_64_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5320 Band edge
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5320.000	10.35	32.74	30.77	97.03	109.35	68.20	41.15	peak
2	5350.020	10.45	32.80	30.76	48.82	61.31	74.00	-12.69	peak
3	5351.867	10.46	32.80	30.76	49.88	62.38	74.00	-11.62	peak

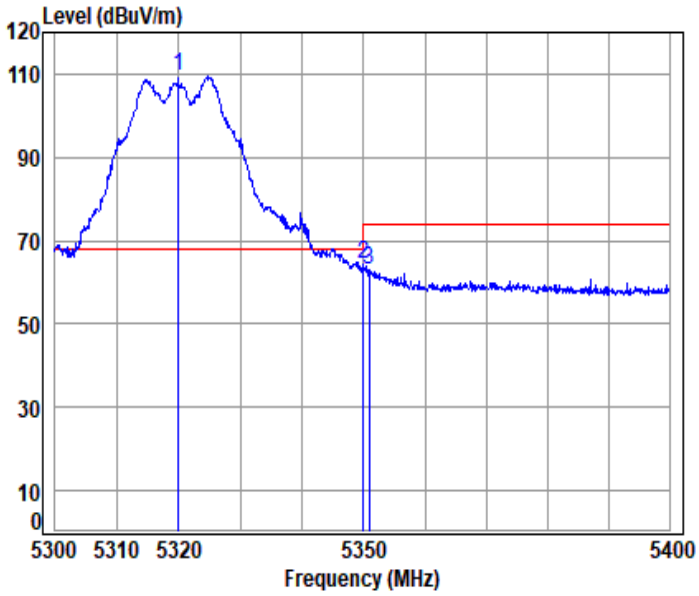
11a_20M_TX_CH_64_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5320 Band edge
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	10.35	32.74	30.77	87.94	100.26	------	------	Average
2 pp	5350.020	10.45	32.80	30.76	36.49	48.98	54.00	-5.02	Average
3	5350.566	10.45	32.80	30.76	35.90	48.39	54.00	-5.61	Average

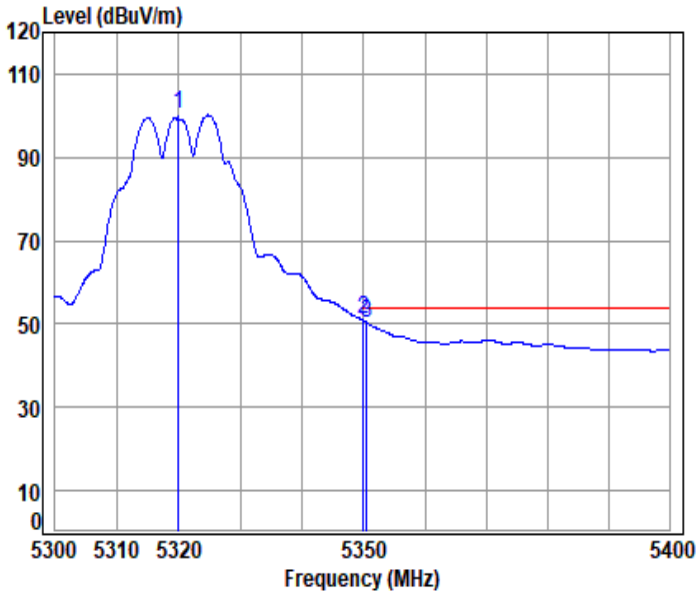
11a_20M_TX_CH_64_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5320 Band edge
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5320.000	10.35	32.74	30.77	97.27	109.59	68.20	41.39	peak
2	5350.020	10.45	32.80	30.76	51.97	64.46	74.00	-9.54	peak
3	5350.866	10.45	32.80	30.76	50.50	62.99	74.00	-11.01	peak

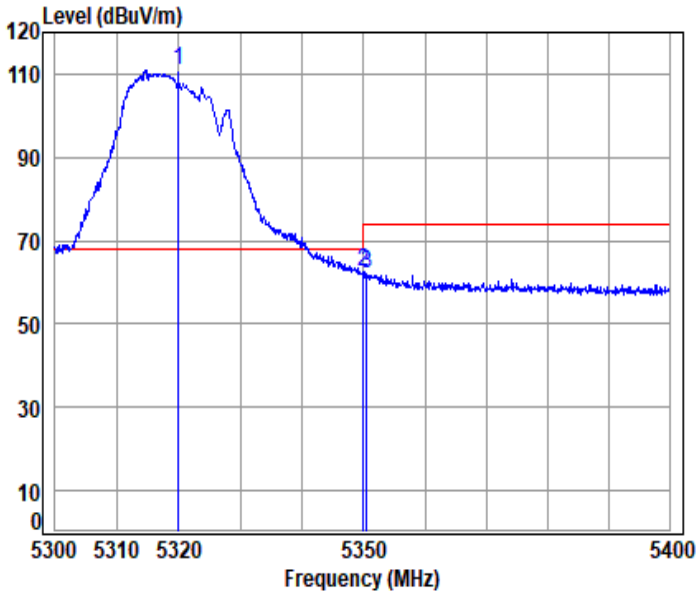
11a_20M_TX_CH_64_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5320 Band edge
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	10.35	32.74	30.77	87.83	100.15	------	------	Average
2 pp	5350.020	10.45	32.80	30.76	38.39	50.88	54.00	-3.12	Average
3	5350.566	10.45	32.80	30.76	37.80	50.29	54.00	-3.71	Average

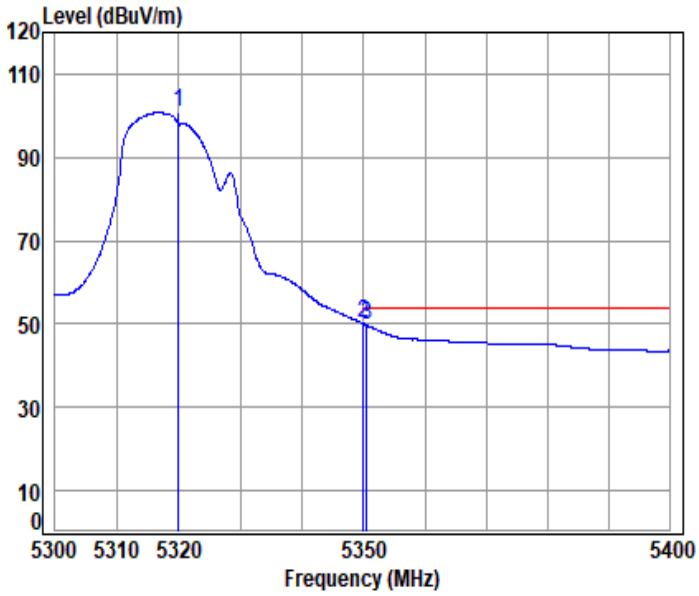
11ac_20M_TX_CH_64_Horizontacl-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5320 Band edge
: 5G Wi-Fi 11ac20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5320.000	10.35	32.74	30.77	98.49	110.81	68.20	42.61	peak
2	5350.020	10.45	32.80	30.76	50.21	62.70	74.00	-11.30	peak
3	5350.566	10.45	32.80	30.76	49.65	62.14	74.00	-11.86	peak

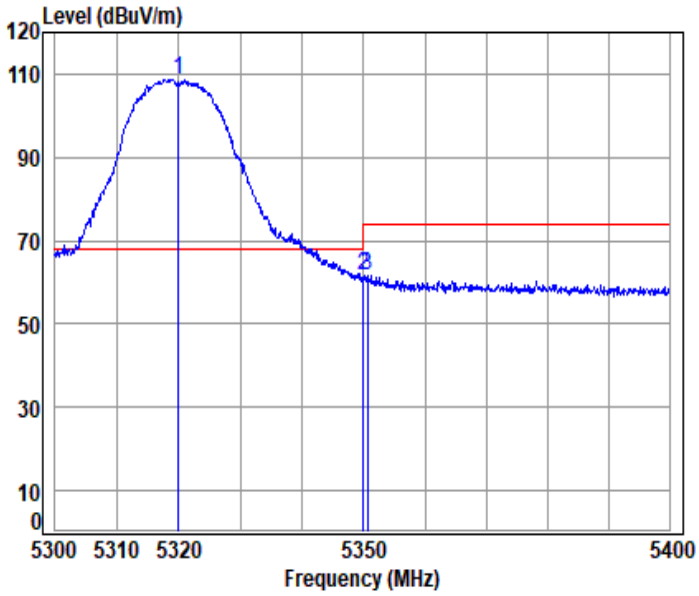
11ac_20M_TX_CH_64_Horizontacl-Avg



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5320 Band edge
: 5G Wi-Fi 11ac20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	10.35	32.74	30.77	88.38	100.70	------	------	Average
2 pp	5350.020	10.45	32.80	30.76	37.67	50.16	54.00	-3.84	Average
3	5350.566	10.45	32.80	30.76	37.15	49.64	54.00	-4.36	Average

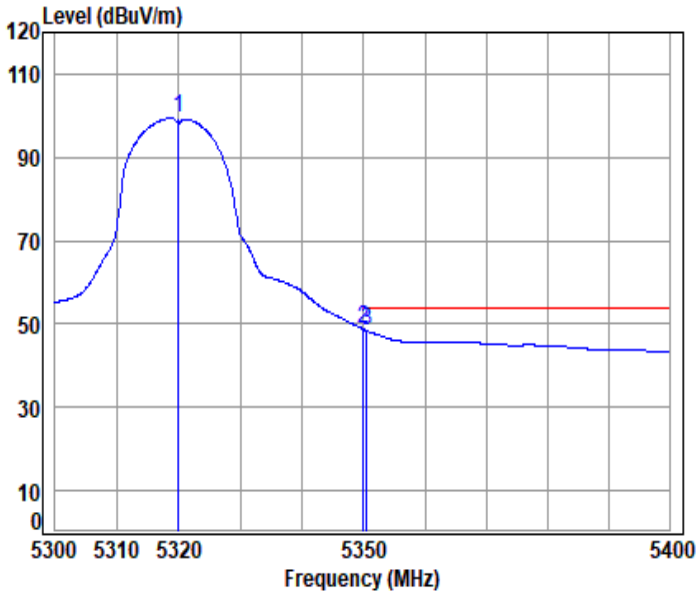
11ac_20M_TX_CH_64_Verticacl-Peack



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5320 Band edge
: 5G Wi-Fi 11ac20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5320.000	10.35	32.74	30.77	96.47	108.79	68.20	40.59	peak
2	5350.020	10.45	32.80	30.76	49.27	61.76	74.00	-12.24	peak
3	5350.667	10.45	32.80	30.76	49.12	61.61	74.00	-12.39	peak

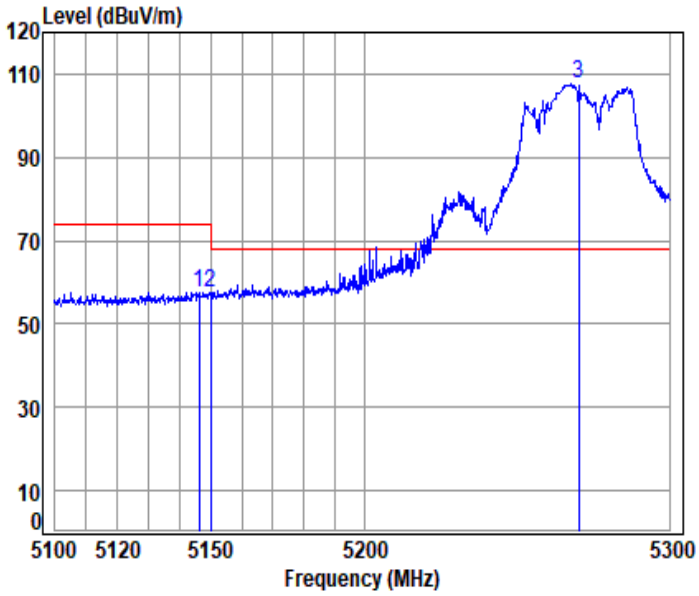
11ac_20M_TX_CH_64_Verticacl-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5320 Band edge
: 5G Wi-Fi 11ac20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	10.35	32.74	30.77	87.06	99.38	------	------	Average
2 pp	5350.020	10.45	32.80	30.76	36.37	48.86	54.00	-5.14	Average
3	5350.566	10.45	32.80	30.76	35.83	48.32	54.00	-5.68	Average

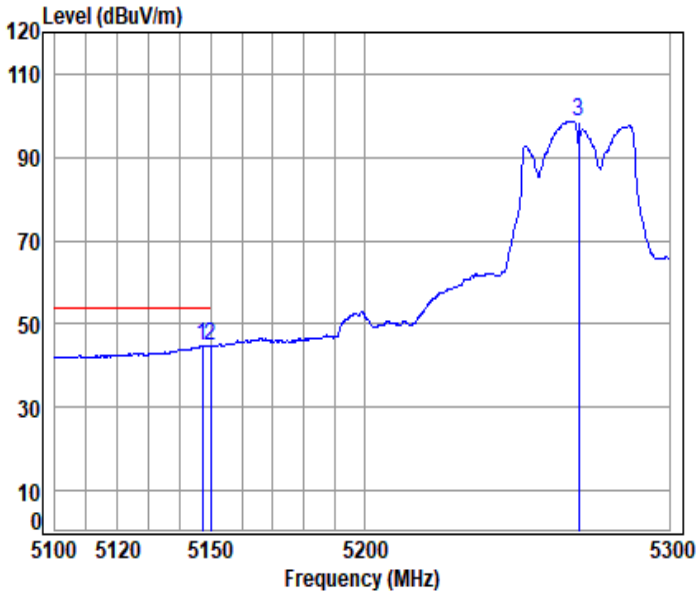
11ac_40M_TX_CH_54_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5270 Band edge
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5146.113	10.13	32.39	30.84	45.97	57.65	74.00	-16.35	peak
2	5149.980	10.14	32.40	30.84	45.74	57.44	74.00	-16.56	peak
3 pp	5270.000	10.30	32.64	30.79	95.53	107.68	68.20	39.48	peak

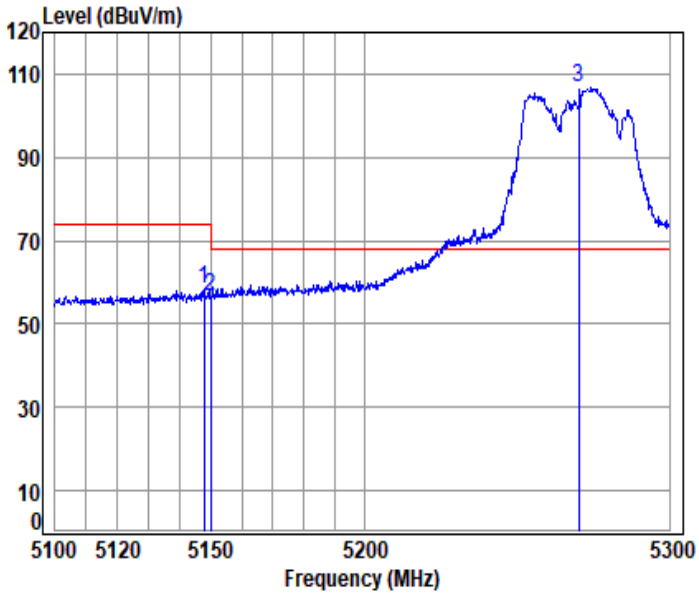
11ac_40M_TX_CH_54_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5270 Band edge
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5147.301	10.13	32.39	30.84	33.05	44.73	54.00	-9.27	Average
2	5149.980	10.14	32.40	30.84	32.90	44.60	54.00	-9.40	Average
3	5270.000	10.30	32.64	30.79	86.60	98.75	------	------	Average

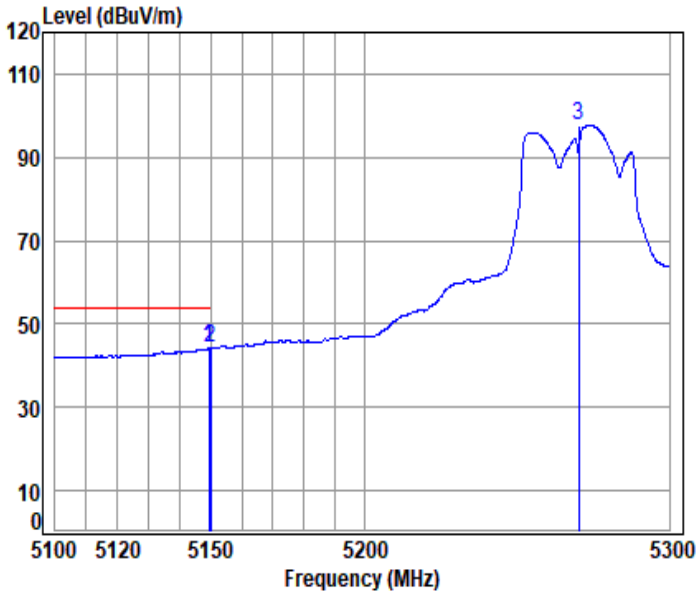
11ac_40M_TX_CH_54_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5270 Band edge
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5147.895	10.13	32.40	30.84	46.83	58.52	74.00	-15.48	peak
2	5149.980	10.14	32.40	30.84	44.86	56.56	74.00	-17.44	peak
3 pp	5270.000	10.30	32.64	30.79	94.46	106.61	68.20	38.41	peak

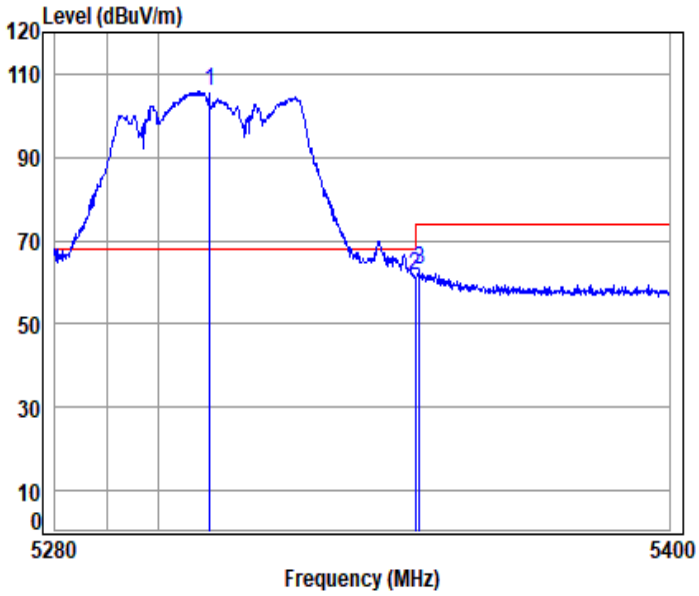
11ac_40M_TX_CH_54_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5270 Band edge
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.479	10.14	32.40	30.84	32.42	44.12	54.00	-9.88	Average
2 pp	5149.980	10.14	32.40	30.84	32.48	44.18	54.00	-9.82	Average
3	5270.000	10.30	32.64	30.79	85.48	97.63	------	------	Average

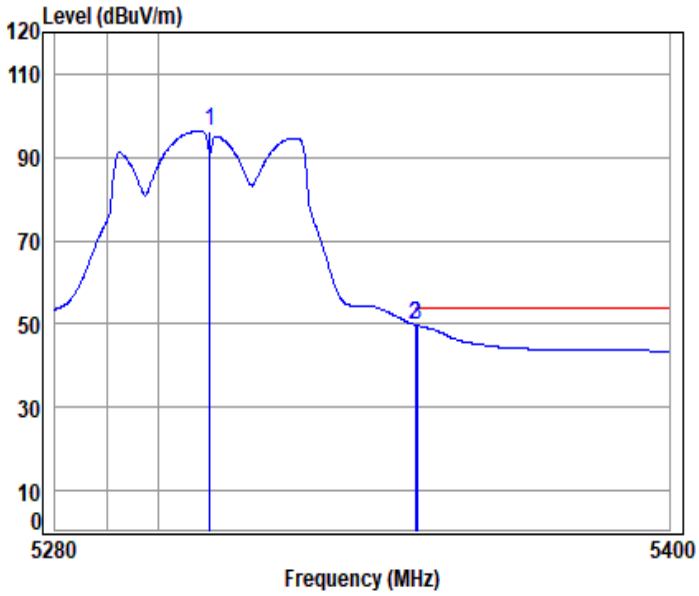
11ac_40M_TX_CH_62_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5310 Band edge
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5310.000	10.31	32.72	30.78	93.48	105.73	68.20	37.53	peak
2	5350.020	10.45	32.80	30.76	49.13	61.62	74.00	-12.38	peak
3	5350.834	10.45	32.80	30.76	50.60	63.09	74.00	-10.91	peak

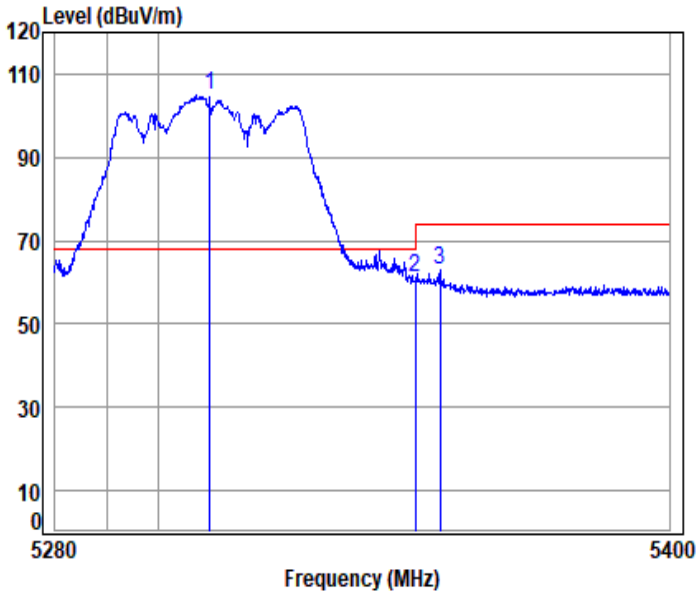
11ac_40M_TX_CH_62_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5310 Band edge
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5310.000	10.31	32.72	30.78	84.11	96.36	------	------	Average
2 pp	5350.020	10.45	32.80	30.76	37.44	49.93	54.00	-4.07	Average
3	5350.474	10.45	32.80	30.76	37.18	49.67	54.00	-4.33	Average

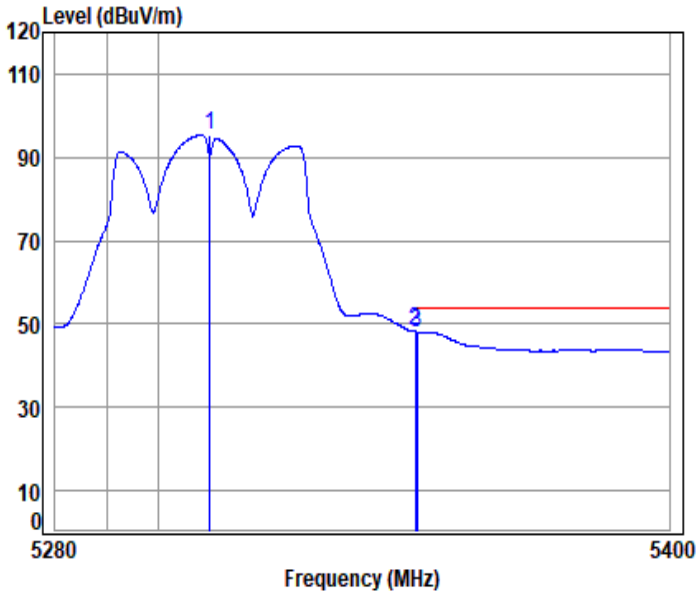
11ac_40M_TX_CH_62_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5310 Band edge
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5310.000	10.31	32.72	30.78	92.75	105.00	68.20	36.80	peak
2	5350.020	10.45	32.80	30.76	48.69	61.18	74.00	-12.82	peak
3	5354.924	10.47	32.80	30.76	50.39	62.90	74.00	-11.10	peak

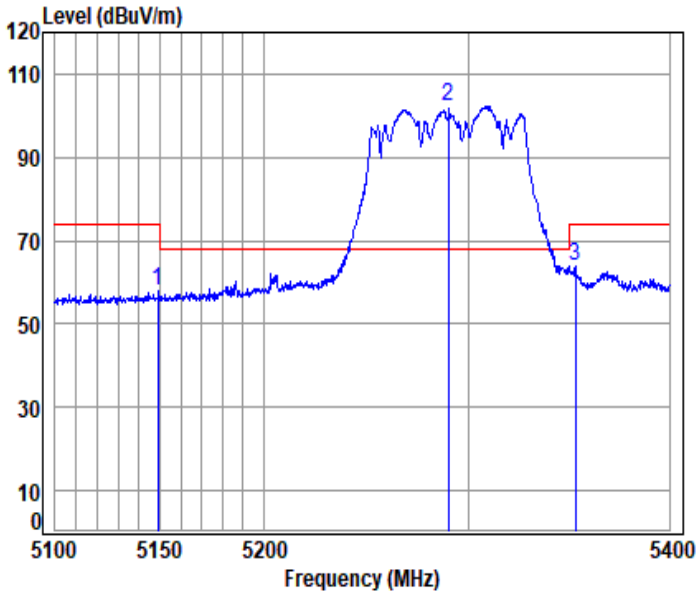
11ac_40M_TX_CH_62_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5310 Band edge
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5310.000	10.31	32.72	30.78	83.06	95.31	------	------	Average
2 pp	5350.020	10.45	32.80	30.76	35.70	48.19	54.00	-5.81	Average
3	5350.474	10.45	32.80	30.76	35.60	48.09	54.00	-5.91	Average

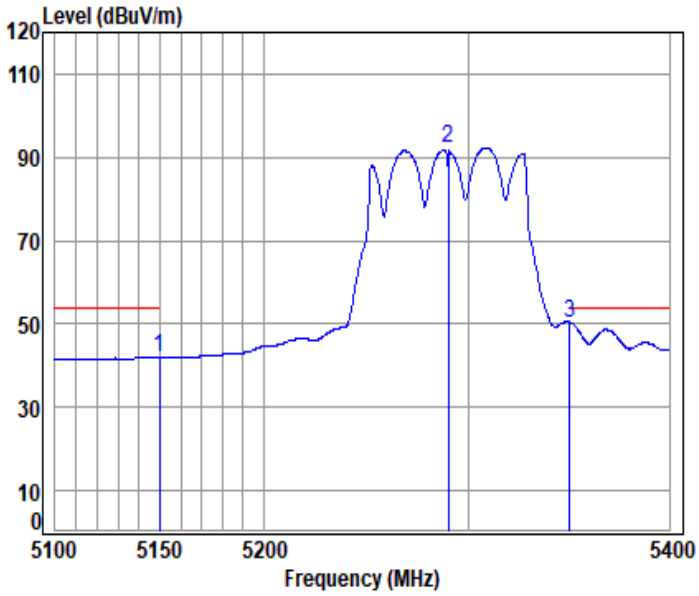
11ac_80M_TX_CH_58_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5290 Band edge
: 5G Wi-Fi 11ac80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.209	10.14	32.40	30.84	46.26	57.96	74.00	-16.04	peak
2 pp	5290.000	10.28	32.68	30.78	89.96	102.14	68.20	33.94	peak
3	5352.981	10.46	32.80	30.76	51.19	63.69	74.00	-10.31	peak

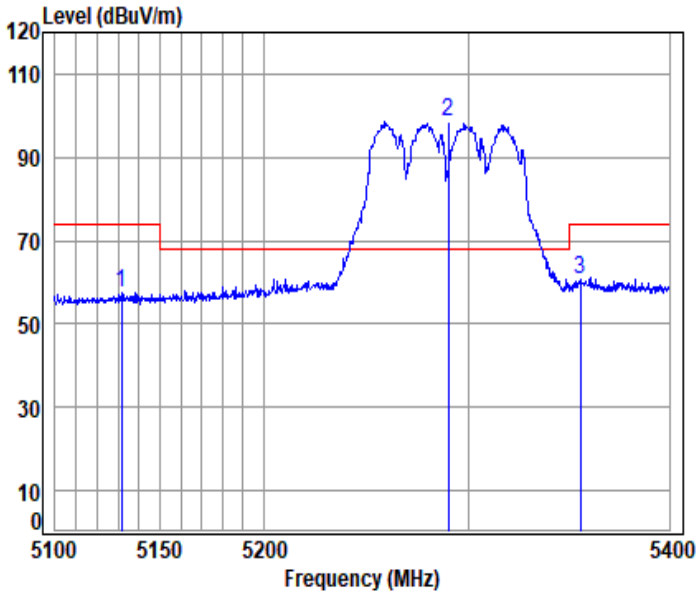
11ac_80M_TX_CH_58_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5290 Band edge
: 5G Wi-Fi 11ac80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.798	10.14	32.40	30.84	30.29	41.99	54.00	-12.01	Average
2	5290.000	10.28	32.68	30.78	80.20	92.38	------	------	Average
3 pp	5350.229	10.45	32.80	30.76	37.90	50.39	54.00	-3.61	Average

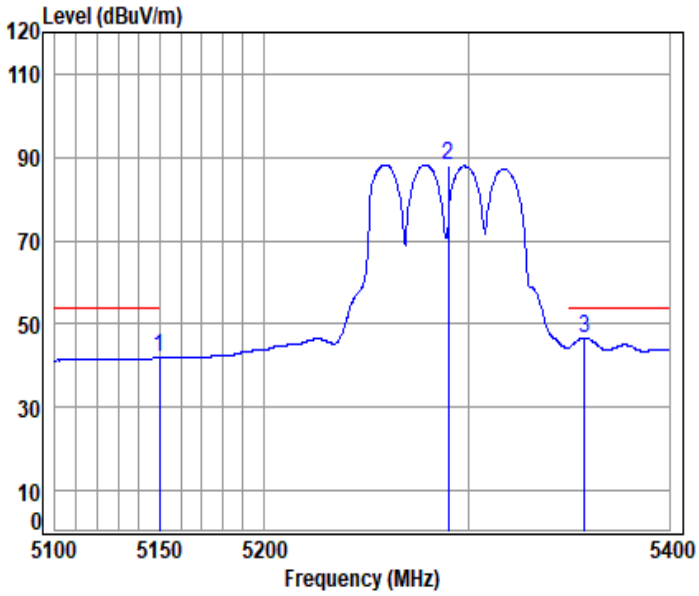
11ac_80M_TX_CH_58_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5290 Band edge
: 5G Wi-Fi 11ac80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5131.580	10.07	32.36	30.85	46.04	57.62	74.00	-16.38	peak
2 pp	5290.000	10.28	32.68	30.78	86.18	98.36	68.20	30.16	peak
3	5355.736	10.47	32.80	30.76	48.20	60.71	74.00	-13.29	peak

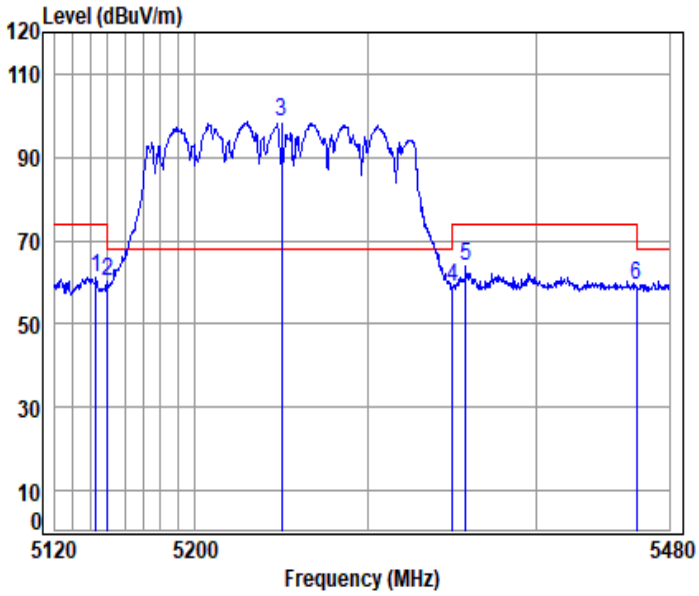
11ac_80M_TX_CH_58_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5290 Band edge
: 5G Wi-Fi 11ac80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.798	10.14	32.40	30.84	30.21	41.91	54.00	-12.09	Average
2	5290.000	10.28	32.68	30.78	76.05	88.23	------	------	Average
3 pp	5357.573	10.48	32.80	30.76	34.16	46.68	54.00	-7.32	Average

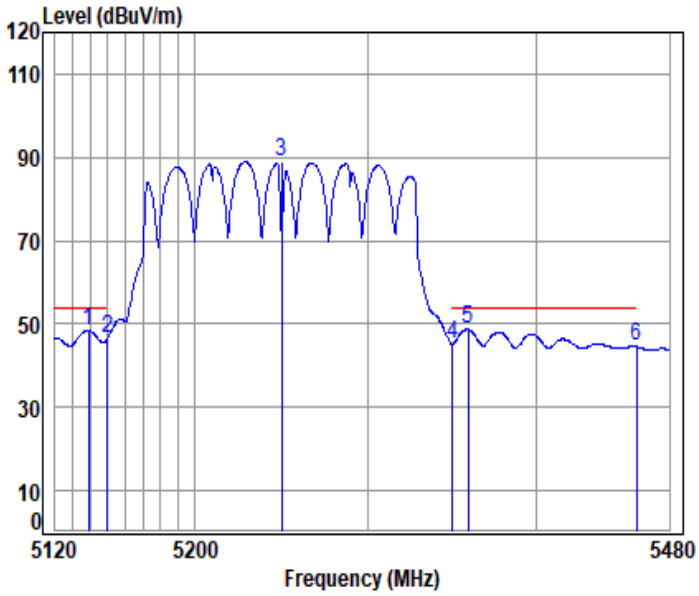
11ac_160M_TX_CH_50_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5250 Band edge
: 5G Wi-Fi 11ac160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5143.363	10.11	32.39	30.84	49.55	61.21	74.00	-12.79	peak
2	5149.980	10.14	32.40	30.84	48.65	60.35	74.00	-13.65	peak
3 pp	5250.000	10.31	32.60	30.80	86.26	98.37	68.20	30.17	peak
4	5350.200	10.45	32.80	30.76	46.59	59.08	74.00	-14.92	peak
5	5358.122	10.48	32.80	30.76	51.56	64.08	74.00	-9.92	peak
6	5459.980	10.60	32.90	30.72	46.44	59.22	74.00	-14.78	peak

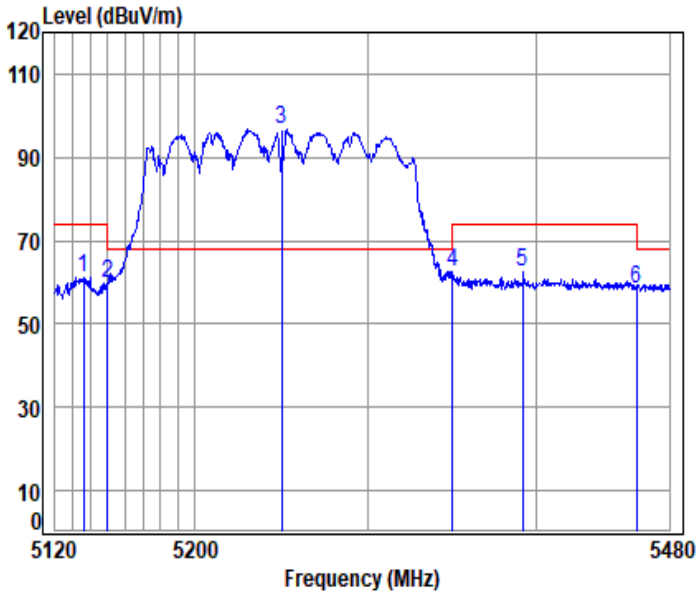
11ac_160M_TX_CH_50_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5250 Band edge
: 5G Wi-Fi 11ac160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5138.821	10.10	32.38	30.84	36.66	48.30	54.00	-5.70	Average
2	5150.000	10.14	32.40	30.84	35.02	46.72	54.00	-7.28	Average
3	5250.000	10.31	32.60	30.80	76.77	88.88	------	------	Average
4	5350.000	10.45	32.80	30.76	32.66	45.15	54.00	-8.85	Average
5 pp	5359.214	10.48	32.80	30.76	36.13	48.65	54.00	-5.35	Average
6	5460.000	10.60	32.90	30.72	31.76	44.54	54.00	-9.46	Average

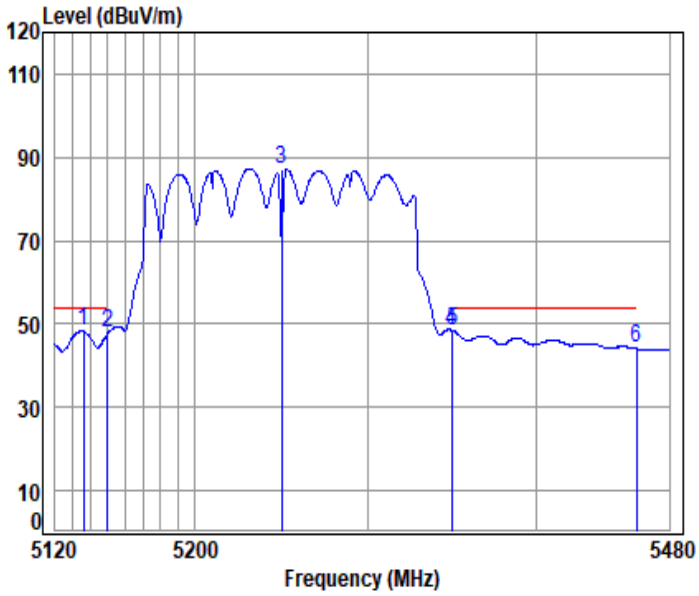
11ac_160M_TX_CH_50_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5250 Band edge
: 5G Wi-Fi 11ac160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5136.378	10.09	32.37	30.85	49.72	61.33	74.00	-12.67	peak
2	5149.980	10.14	32.40	30.84	48.15	59.85	74.00	-14.15	peak
3 pp	5250.000	10.31	32.60	30.80	84.44	96.55	68.20	28.35	peak
4	5350.200	10.45	32.80	30.76	50.03	62.52	74.00	-11.48	peak
5	5392.089	10.59	32.80	30.74	50.06	62.71	74.00	-11.29	peak
6	5459.980	10.60	32.90	30.72	45.55	58.33	74.00	-15.67	peak

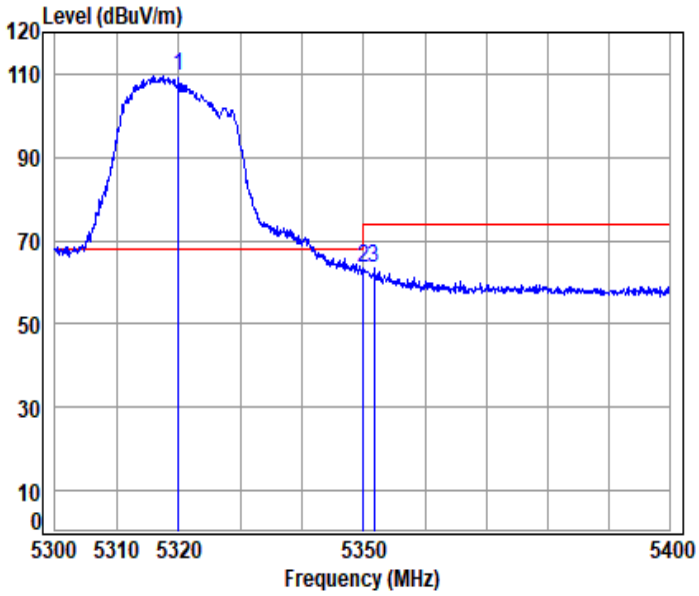
11ac_160M_TX_CH_50_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5250 Band edge
: 5G Wi-Fi 11ac160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5136.029	10.09	32.37	30.85	36.82	48.43	54.00	-5.57	Average
2	5150.000	10.14	32.40	30.84	36.07	47.77	54.00	-6.23	Average
3	5250.000	10.31	32.60	30.80	75.21	87.32	------	------	Average
4	5349.754	10.45	32.80	30.76	36.02	48.51	------	------	Average
5 pp	5350.000	10.45	32.80	30.76	35.98	48.47	54.00	-5.53	Average
6	5460.000	10.60	32.90	30.72	31.33	44.11	54.00	-9.89	Average

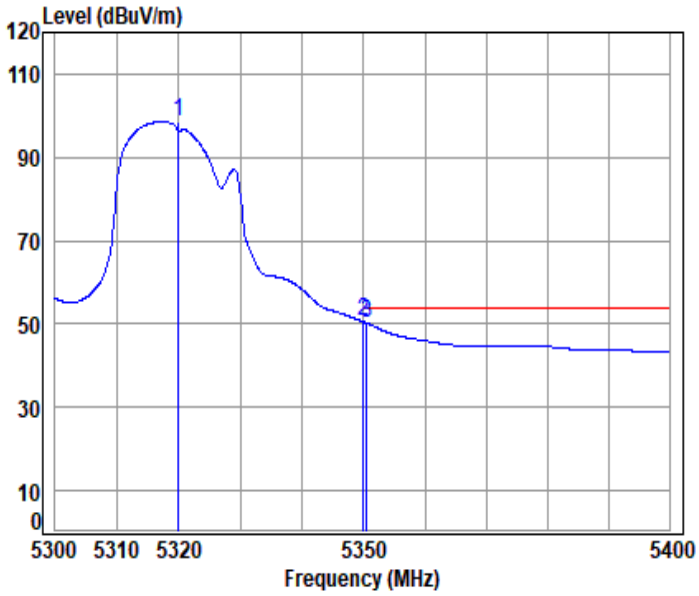
11be_20M_TX_CH_64_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5320 Band edge
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5320.000	10.35	32.74	30.77	97.06	109.38	68.20	41.18	peak
2	5350.020	10.45	32.80	30.76	51.06	63.55	74.00	-10.45	peak
3	5351.767	10.46	32.80	30.76	50.75	63.25	74.00	-10.75	peak

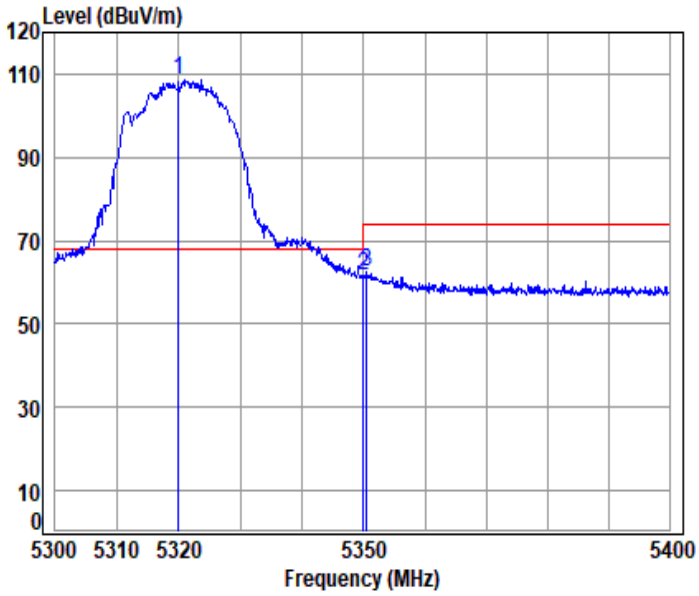
11be_20M_TX_CH_64_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5320 Band edge
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	10.35	32.74	30.77	86.22	98.54	------	------	Average
2 pp	5350.020	10.45	32.80	30.76	38.15	50.64	54.00	-3.36	Average
3	5350.566	10.45	32.80	30.76	37.71	50.20	54.00	-3.80	Average

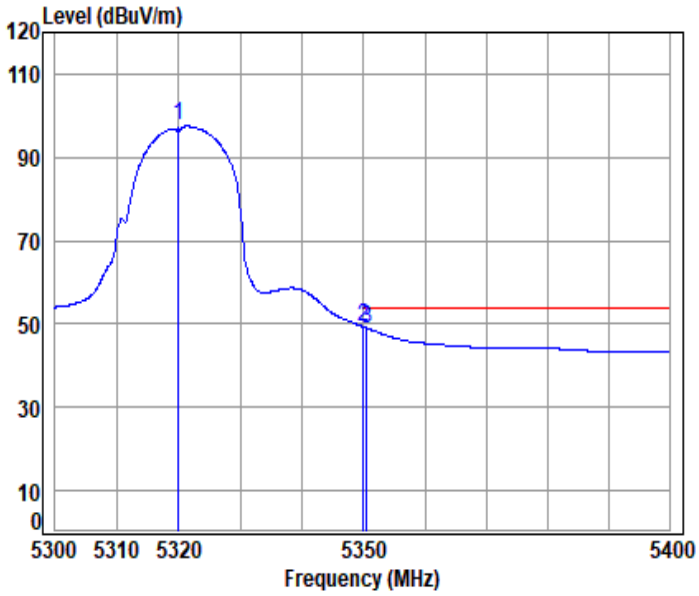
11be_20M_TX_CH_64_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5320 Band edge
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5320.000	10.35	32.74	30.77	96.42	108.74	68.20	40.54	peak
2	5350.020	10.45	32.80	30.76	49.19	61.68	74.00	-12.32	peak
3	5350.566	10.45	32.80	30.76	50.00	62.49	74.00	-11.51	peak

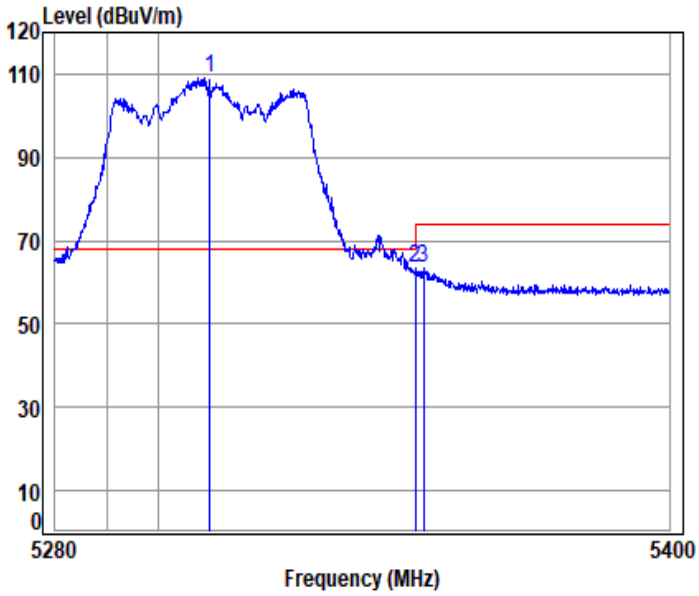
11be_20M_TX_CH_64_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5320 Band edge
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5320.000	10.35	32.74	30.77	85.15	97.47	------	------	Average
2 pp	5350.020	10.45	32.80	30.76	36.92	49.41	54.00	-4.59	Average
3	5350.566	10.45	32.80	30.76	36.50	48.99	54.00	-5.01	Average

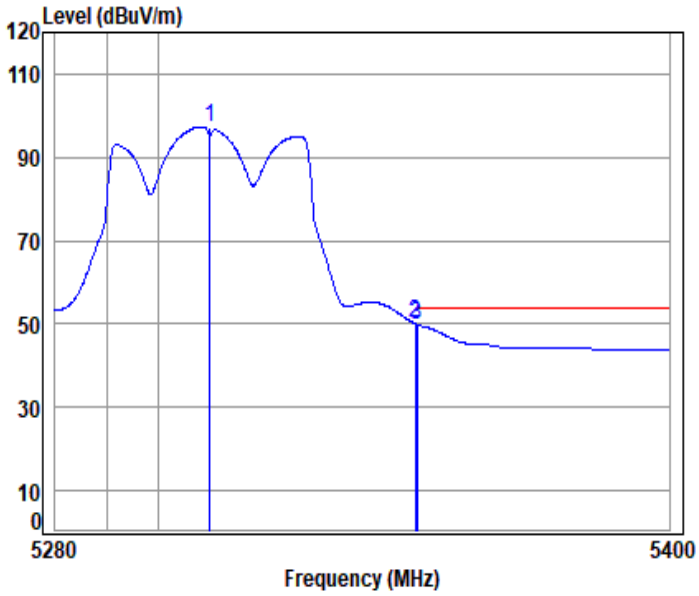
11be_40M_TX_CH_62_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5310 Band edge
: 5G Wi-Fi 11be40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5310.000	10.31	32.72	30.78	96.92	109.17	68.20	40.97	peak
2	5350.020	10.45	32.80	30.76	50.81	63.30	74.00	-10.70	peak
3	5351.676	10.46	32.80	30.76	50.88	63.38	74.00	-10.62	peak

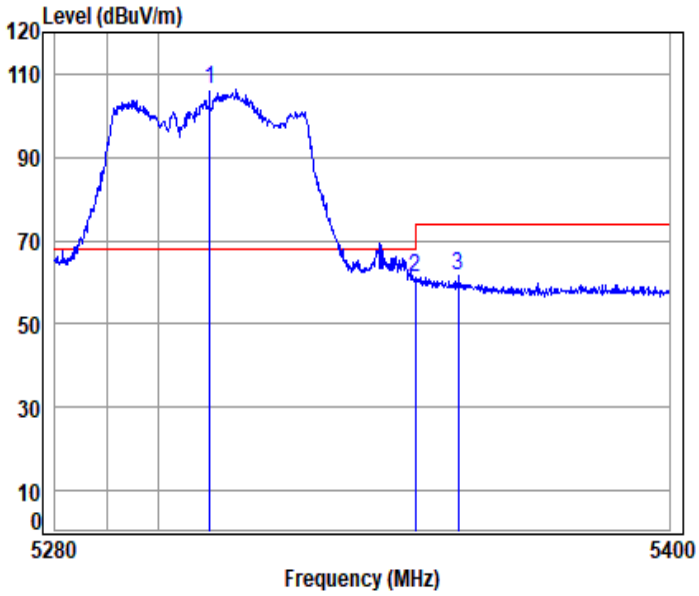
11be_40M_TX_CH_62_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5310 Band edge
: 5G Wi-Fi 11be40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5310.000	10.31	32.72	30.78	85.12	97.37	------	------	Average
2 pp	5350.020	10.45	32.80	30.76	37.80	50.29	54.00	-3.71	Average
3	5350.474	10.45	32.80	30.76	37.38	49.87	54.00	-4.13	Average

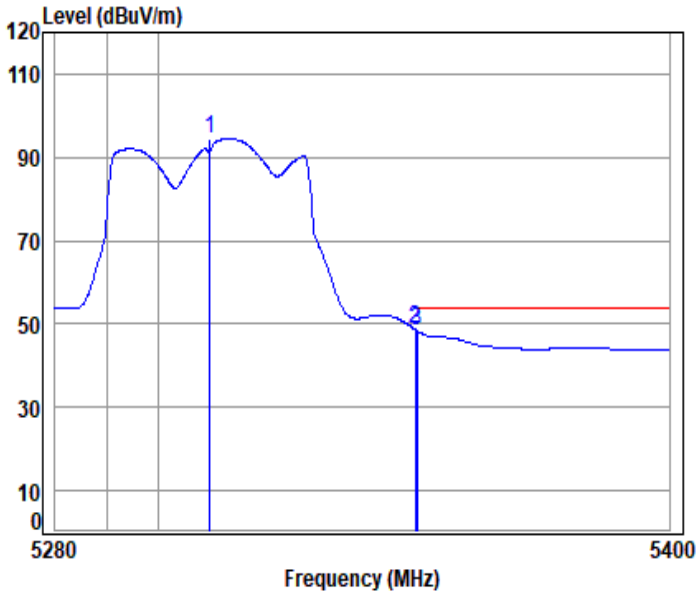
11be_40M_TX_CH_62_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5310 Band edge
: 5G Wi-Fi 11be40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5310.000	10.31	32.72	30.78	93.87	106.12	68.20	37.92	peak
2	5350.020	10.45	32.80	30.76	48.66	61.15	74.00	-12.85	peak
3	5358.536	10.48	32.80	30.76	49.28	61.80	74.00	-12.20	peak

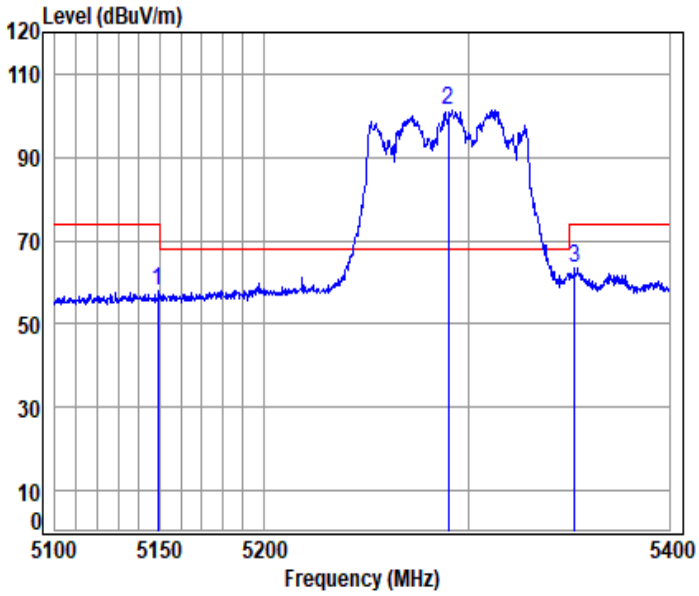
11be_40M_TX_CH_62_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5310 Band edge
: 5G Wi-Fi 11be40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5310.000	10.31	32.72	30.78	82.18	94.43	------	------	Average
2 pp	5350.020	10.45	32.80	30.76	36.39	48.88	54.00	-5.12	Average
3	5350.474	10.45	32.80	30.76	35.80	48.29	54.00	-5.71	Average

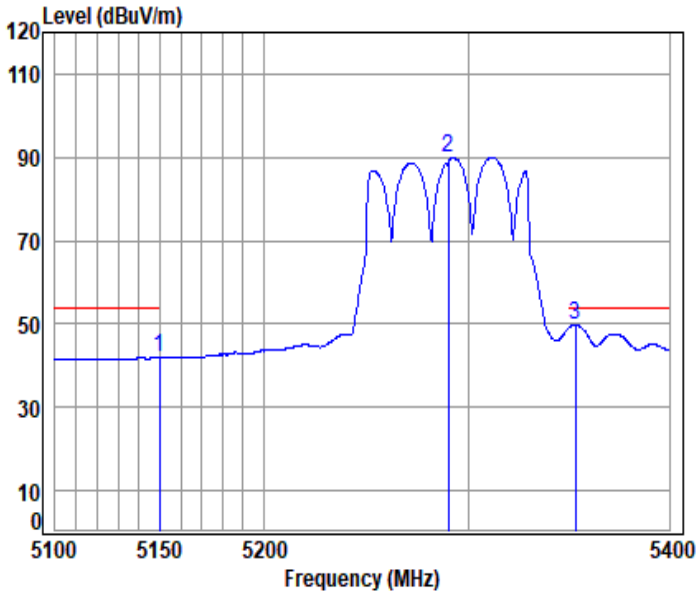
11be_80M_TX_CH_58_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5290 Band edge
: 5G Wi-Fi 11be80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.209	10.14	32.40	30.84	46.27	57.97	74.00	-16.03	peak
2 pp	5290.000	10.28	32.68	30.78	89.30	101.48	68.20	33.28	peak
3	5352.676	10.46	32.80	30.76	50.93	63.43	74.00	-10.57	peak

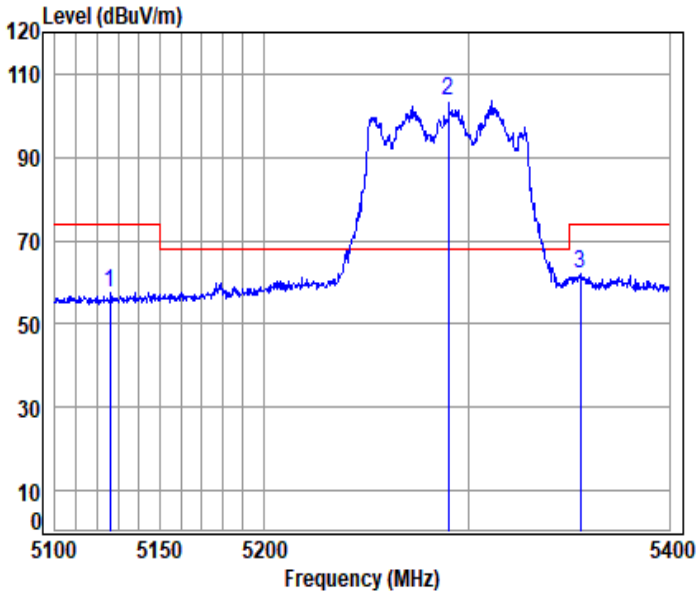
11be_80M_TX_CH_58_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5290 Band edge
: 5G Wi-Fi 11be80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.798	10.14	32.40	30.84	30.16	41.86	54.00	-12.14	Average
2	5290.000	10.28	32.68	30.78	77.80	89.98	------	------	Average
3 pp	5353.288	10.46	32.80	30.76	37.32	49.82	54.00	-4.18	Average

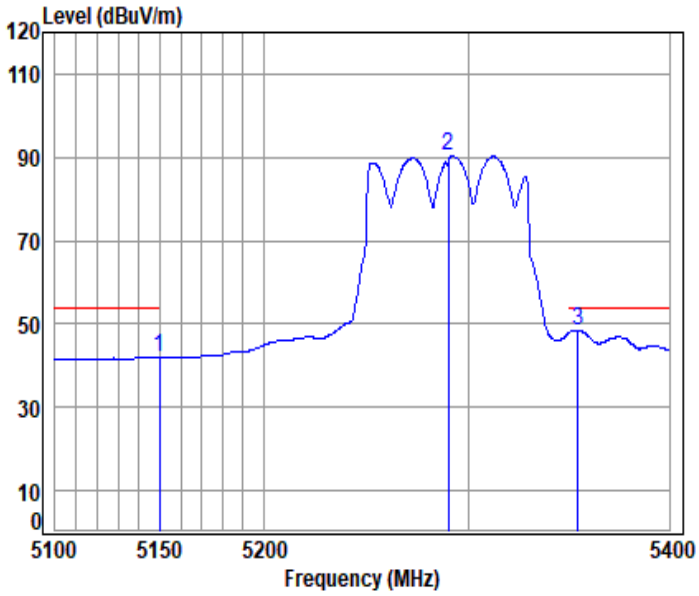
11be_80M_TX_CH_58_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5290 Band edge
: 5G Wi-Fi 11be80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5126.303	10.05	32.35	30.85	46.07	57.62	74.00	-16.38	peak
2 pp	5290.000	10.28	32.68	30.78	91.32	103.50	68.20	35.30	peak
3	5355.430	10.47	32.80	30.76	49.62	62.13	74.00	-11.87	peak

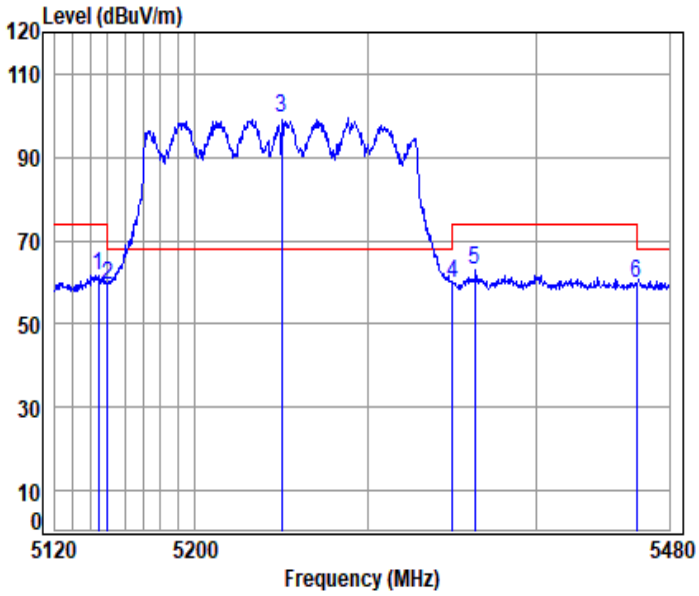
11be_80M_TX_CH_58_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5290 Band edge
: 5G Wi-Fi 11be80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5149.798	10.14	32.40	30.84	30.33	42.03	54.00	-11.97	Average
2	5290.000	10.28	32.68	30.78	77.98	90.16	------	------	Average
3 pp	5354.206	10.46	32.80	30.76	36.07	48.57	54.00	-5.43	Average

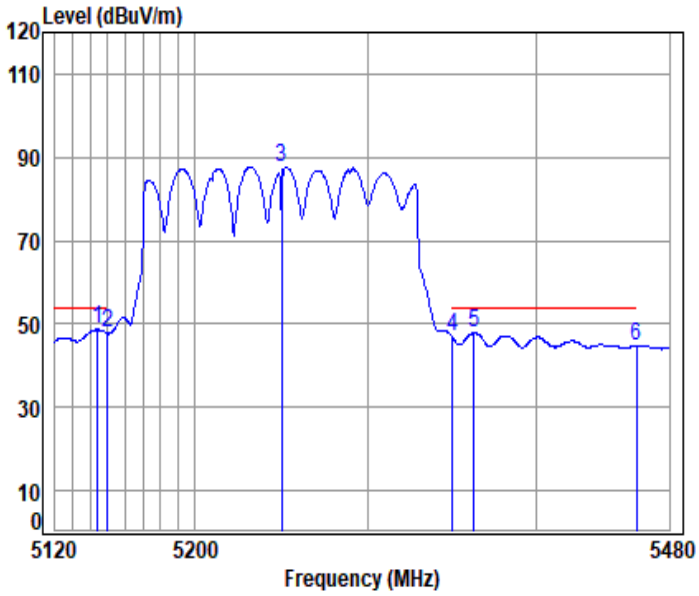
11be_160M_TX_CH_50_Horizontal-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5250 Band edge
: 5G Wi-Fi 11be160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5144.761	10.12	32.39	30.84	49.98	61.65	74.00	-12.35	peak
2	5149.980	10.14	32.40	30.84	47.42	59.12	74.00	-14.88	peak
3 pp	5250.000	10.31	32.60	30.80	87.20	99.31	68.20	31.11	peak
4	5350.200	10.45	32.80	30.76	47.18	59.67	74.00	-14.33	peak
5	5363.585	10.50	32.80	30.75	50.34	62.89	74.00	-11.11	peak
6	5459.980	10.60	32.90	30.72	47.16	59.94	74.00	-14.06	peak

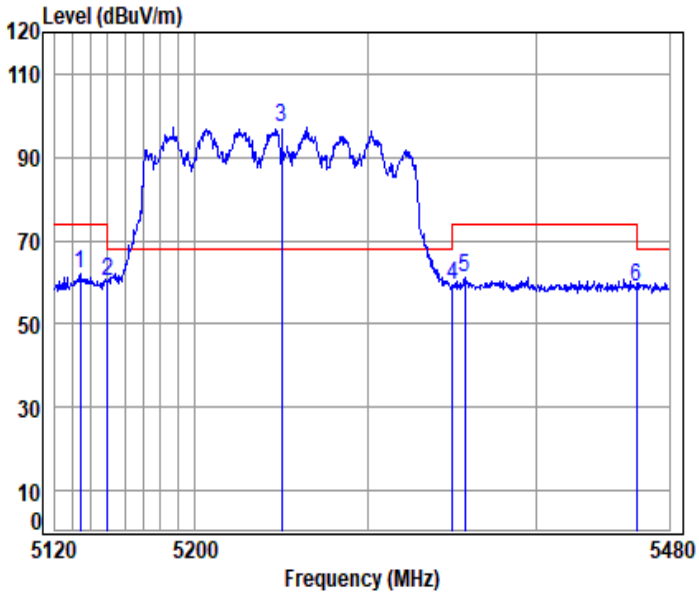
11be_160M_TX_CH_50_Horizontal-Avg



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5250 Band edge
: 5G Wi-Fi 11be160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5144.412	10.12	32.39	30.84	36.98	48.65	54.00	-5.35	Average
2	5150.000	10.14	32.40	30.84	35.99	47.69	54.00	-6.31	Average
3	5250.000	10.31	32.60	30.80	75.53	87.64	------	------	Average
4	5350.000	10.45	32.80	30.76	34.34	46.83	54.00	-7.17	Average
5	5362.856	10.49	32.80	30.75	35.24	47.78	54.00	-6.22	Average
6	5460.000	10.60	32.90	30.72	31.90	44.68	54.00	-9.32	Average

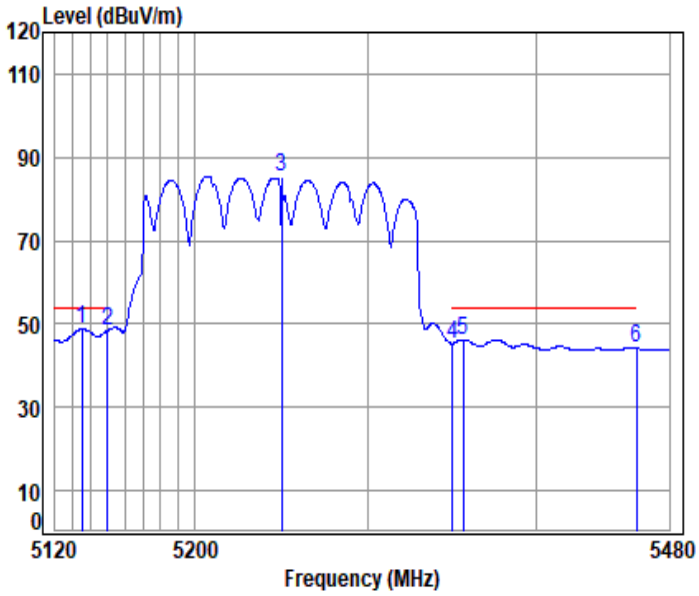
11be_160M_TX_CH_50_Vertical-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5250 Band edge
: 5G Wi-Fi 11be160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5134.284	10.08	32.37	30.85	50.32	61.92	74.00	-12.08	peak
2	5149.980	10.14	32.40	30.84	48.41	60.11	74.00	-13.89	peak
3 pp	5250.000	10.31	32.60	30.80	85.24	97.35	68.20	29.15	peak
4	5350.200	10.45	32.80	30.76	46.85	59.34	74.00	-14.66	peak
5	5357.393	10.48	32.80	30.76	48.76	61.28	74.00	-12.72	peak
6	5459.980	10.60	32.90	30.72	45.99	58.77	74.00	-15.23	peak

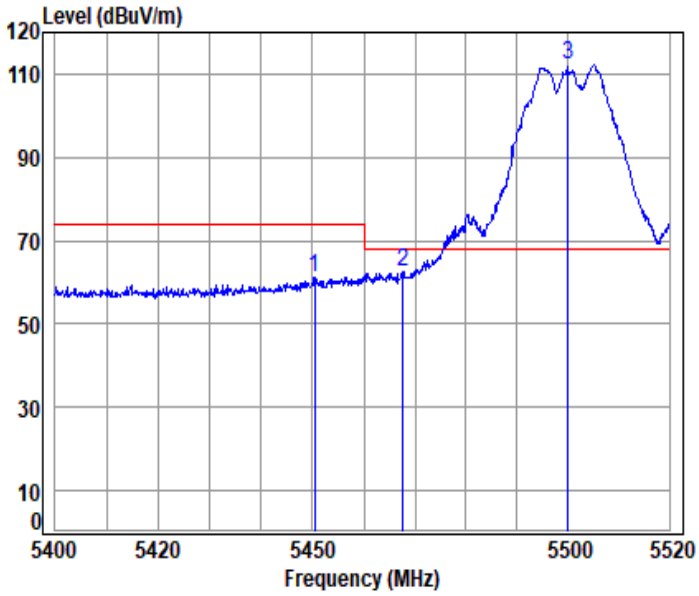
11be_160M_TX_CH_50_Vertical-Avg



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5250 Band edge
: 5G Wi-Fi 11be160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5135.331	10.08	32.37	30.85	37.16	48.76	54.00	-5.24	Average
2	5150.000	10.14	32.40	30.84	36.74	48.44	54.00	-5.56	Average
3	5250.000	10.31	32.60	30.80	73.44	85.55	------	------	Average
4	5350.000	10.45	32.80	30.76	32.86	45.35	54.00	-8.65	Average
5	5356.301	10.47	32.80	30.76	33.72	46.23	54.00	-7.77	Average
6	5460.000	10.60	32.90	30.72	31.42	44.20	54.00	-9.80	Average

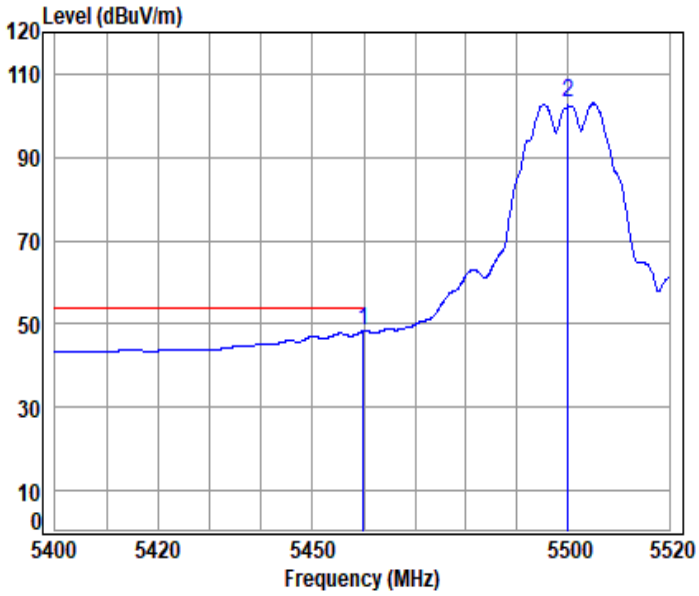
11a_TX_CH_100_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5500 Band edge
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5450.438	10.60	32.90	30.72	48.52	61.30	74.00	-12.70	peak
2	5467.596	10.59	32.90	30.71	49.86	62.64	68.20	-5.56	peak
3 pp	5500.000	10.58	32.90	30.70	99.40	112.18	68.20	43.98	peak

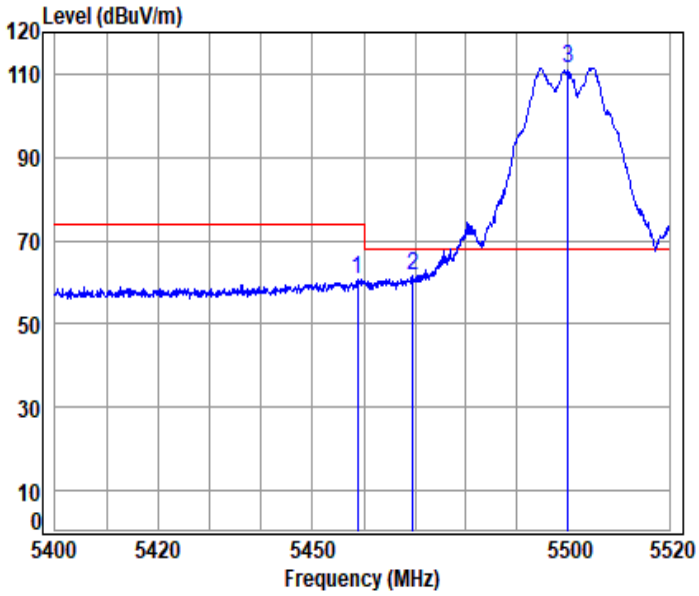
11a_TX_CH_100_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5500 Band edge
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5459.910	10.60	32.90	30.72	35.51	48.29	54.00	-5.71	Average
2	5500.000	10.58	32.90	30.70	90.14	102.92	------	------	Average

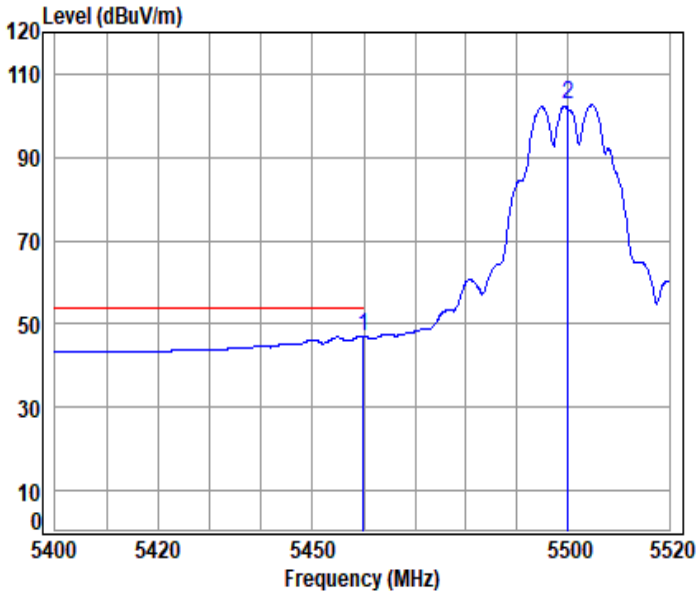
11a_TX_CH_100_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5500 Band edge
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5458.710	10.60	32.90	30.72	48.02	60.80	74.00	-13.20	peak
2	5469.639	10.59	32.90	30.71	48.81	61.59	68.20	-6.61	peak
3 pp	5500.000	10.58	32.90	30.70	98.74	111.52	68.20	43.32	peak

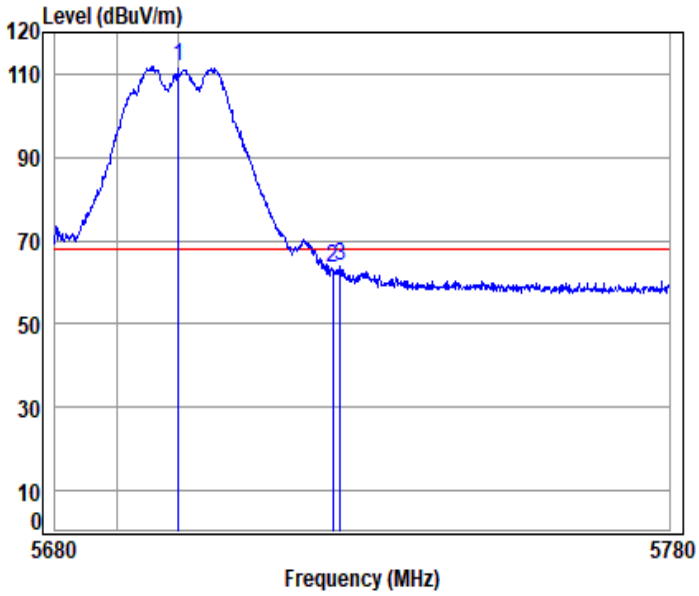
11a_TX_CH_100_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5500 Band edge
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5459.910	10.60	32.90	30.72	34.43	47.21	54.00	-6.79	Average
2	5500.000	10.58	32.90	30.70	89.72	102.50	------	------	Average

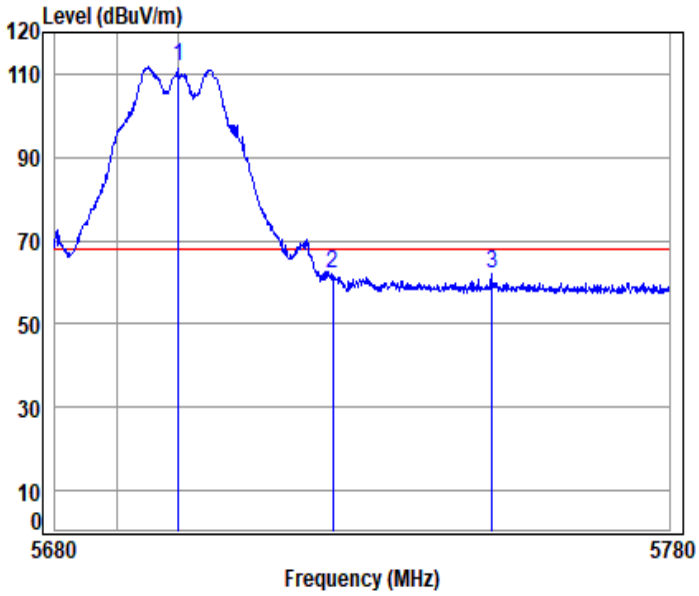
11a_TX_CH_140_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5700 Band edge
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5700.000	10.56	33.20	30.62	98.66	111.80	68.20	43.60	peak
2	5725.000	10.68	33.25	30.61	49.89	63.21	68.20	-4.99	peak
3	5726.183	10.68	33.25	30.61	50.44	63.76	68.20	-4.44	peak

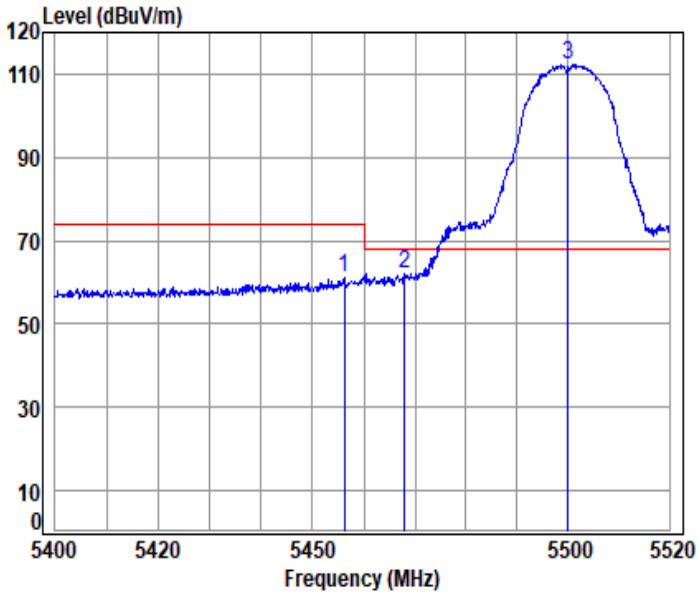
11a_TX_CH_140_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5700 Band edge
: 5G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5700.000	10.56	33.20	30.62	98.43	111.57	68.20	43.37	peak
2	5725.000	10.68	33.25	30.61	48.92	62.24	68.20	-5.96	peak
3	5750.920	10.79	33.30	30.60	48.74	62.23	68.20	-5.97	peak

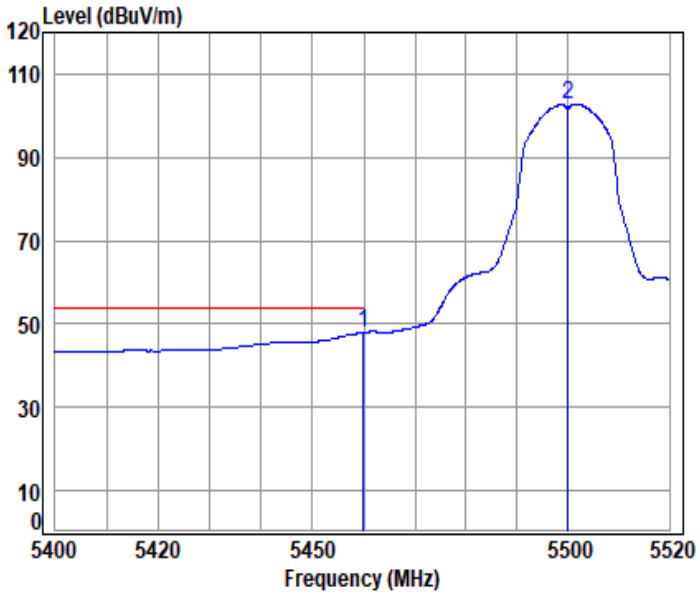
11ac_VHT(20M)_TX_CH_100_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5500 Band edge
: 5G Wi-Fi 11ac20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5456.191	10.60	32.90	30.72	48.28	61.06	74.00	-12.94	peak
2	5467.957	10.59	32.90	30.71	49.37	62.15	68.20	-6.05	peak
3 pp	5500.000	10.58	32.90	30.70	99.38	112.16	68.20	43.96	peak

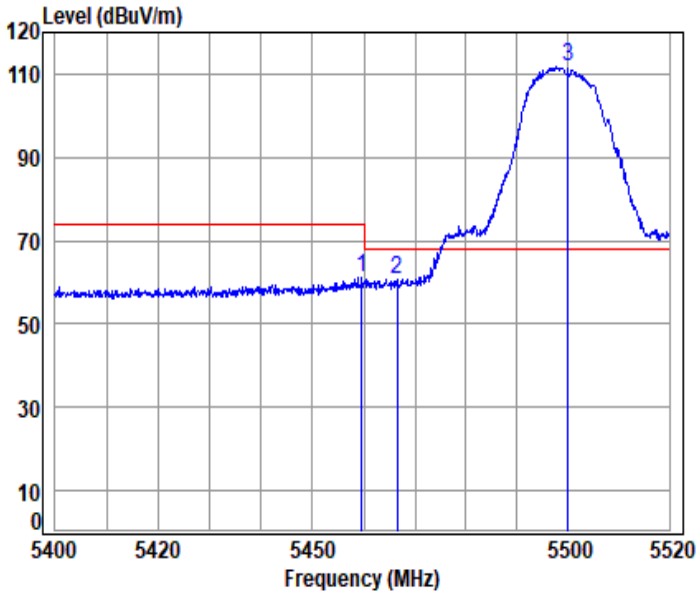
11ac_VHT(20M)_TX_CH_100_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5500 Band edge
: 5G Wi-Fi 11ac20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5459.910	10.60	32.90	30.72	35.22	48.00	54.00	-6.00	Average
2	5500.000	10.58	32.90	30.70	90.10	102.88	------	------	Average

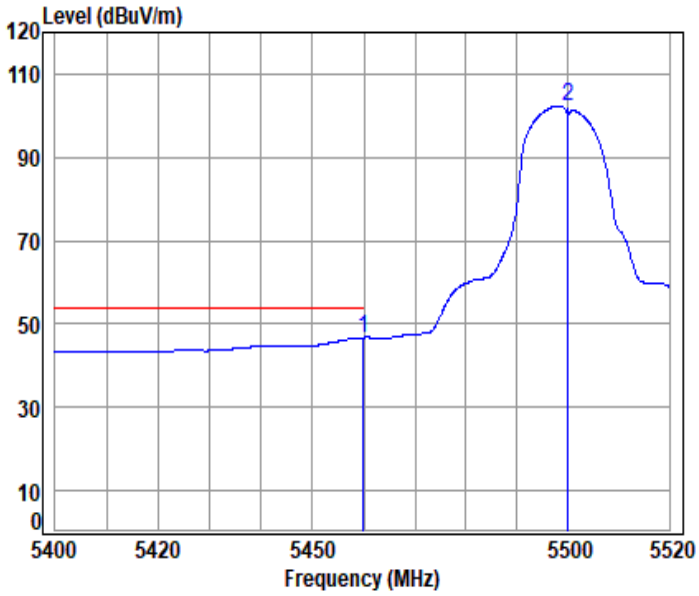
11ac_VHT(20M)_TX_CH_100_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5500 Band edge
: 5G Wi-Fi 11ac20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5459.670	10.60	32.90	30.72	48.26	61.04	74.00	-12.96	peak
2	5466.515	10.59	32.90	30.71	47.98	60.76	68.20	-7.44	peak
3 pp	5500.000	10.58	32.90	30.70	99.10	111.88	68.20	43.68	peak

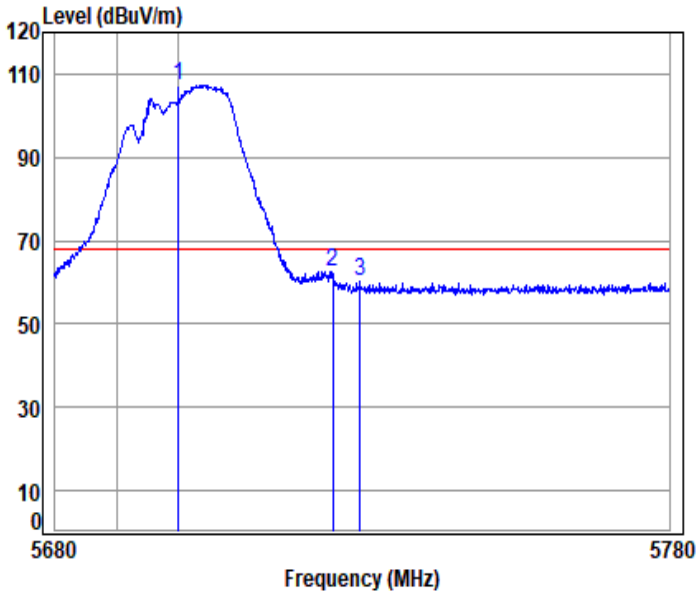
11ac_VHT(20M)_TX_CH_100_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5500 Band edge
: 5G Wi-Fi 11ac20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5459.910	10.60	32.90	30.72	33.98	46.76	54.00	-7.24	Average
2	5500.000	10.58	32.90	30.70	89.37	102.15	------	------	Average

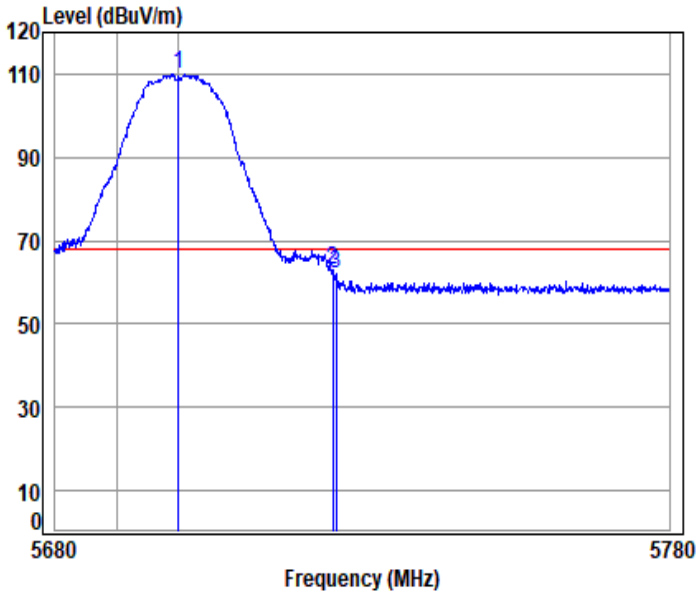
11ac_VHT(20M)_TX_CH_140_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5700 Band edge
: 5G Wi-Fi 11ac20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5700.000	10.56	33.20	30.62	94.21	107.35	68.20	39.15	peak
2	5725.000	10.68	33.25	30.61	49.24	62.56	68.20	-5.64	peak
3	5729.382	10.70	33.26	30.61	46.73	60.08	68.20	-8.12	peak

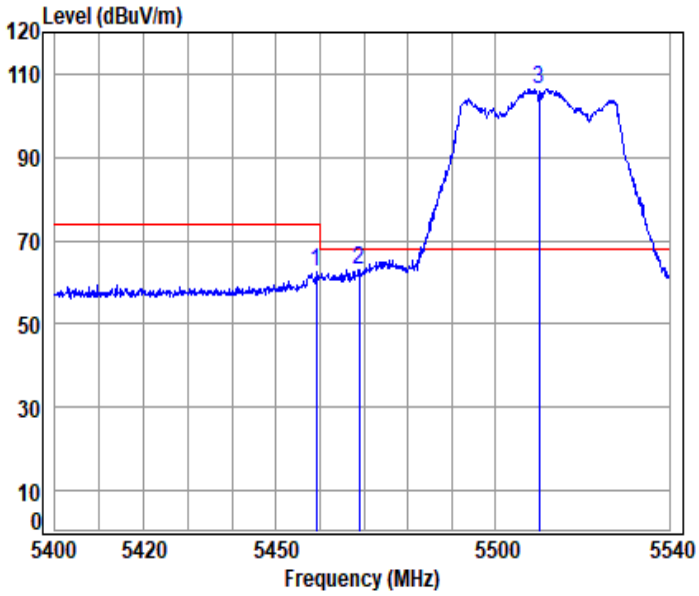
11ac_VHT(20M)_TX_CH_140_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5700 Band edge
: 5G Wi-Fi 11ac20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5700.000	10.56	33.20	30.62	96.83	109.97	68.20	41.77	peak
2	5725.000	10.68	33.25	30.61	49.80	63.12	68.20	-5.08	peak
3	5725.583	10.68	33.25	30.61	48.53	61.85	68.20	-6.35	peak

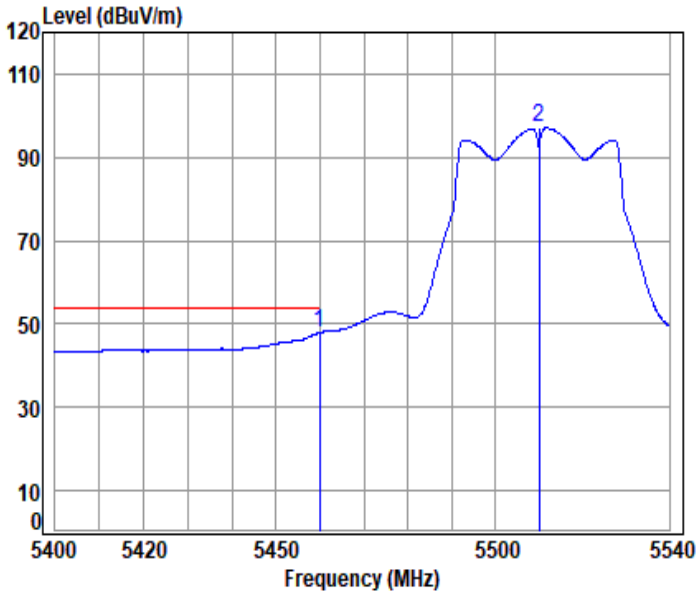
11ac_VHT(40M)_TX_CH_102_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5510 Band edge
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5459.202	10.60	32.90	30.72	49.65	62.43	74.00	-11.57	peak
2	5468.852	10.59	32.90	30.71	50.24	63.02	68.20	-5.18	peak
3 pp	5510.000	10.56	32.90	30.70	93.66	106.42	68.20	38.22	peak

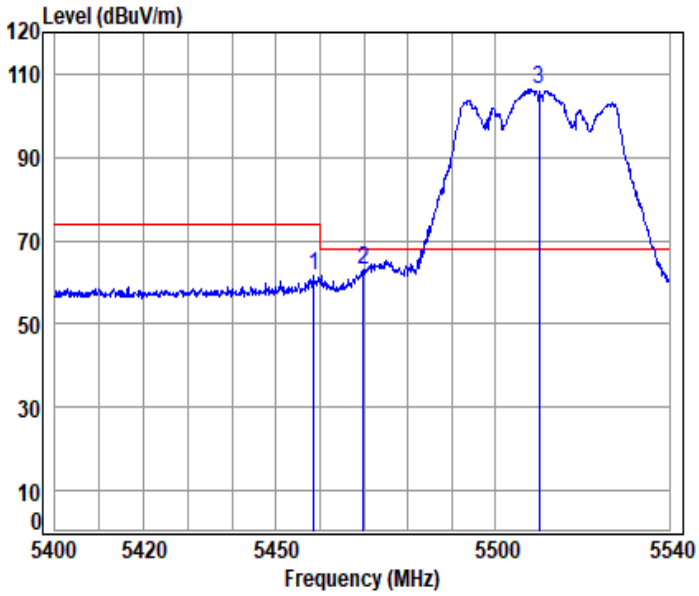
11ac_VHT(40M)_TX_CH_102_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5510 Band edge
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5459.901	10.60	32.90	30.72	35.15	47.93	54.00	-6.07	Average
2	5510.000	10.56	32.90	30.70	84.31	97.07	------	------	Average

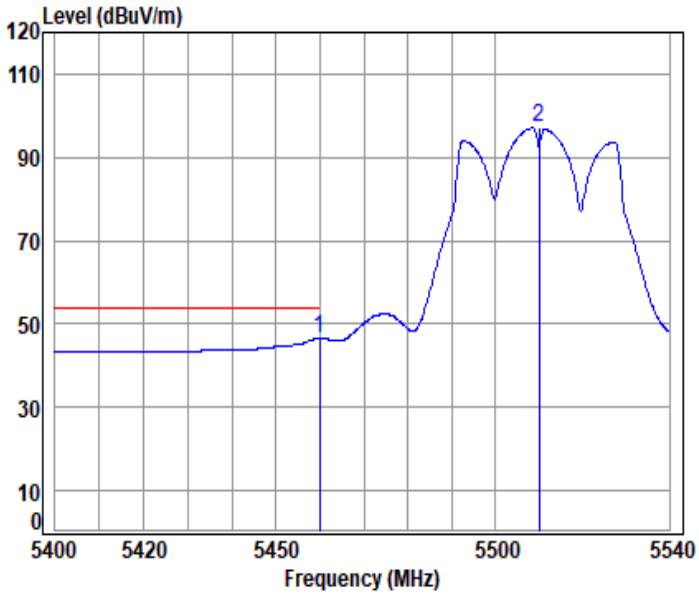
11ac_VHT(40M)_TX_CH_102_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5510 Band edge
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5458.643	10.60	32.90	30.72	48.78	61.56	74.00	-12.44	peak
2	5469.832	10.59	32.90	30.71	50.21	62.99	68.20	-5.21	peak
3 pp	5510.000	10.56	32.90	30.70	93.65	106.41	68.20	38.21	peak

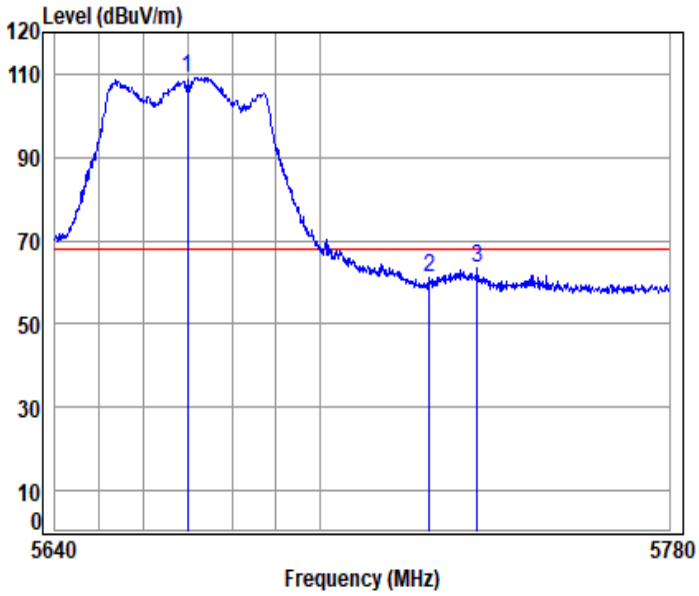
11ac_VHT(40M)_TX_CH_102_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5510 Band edge
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5459.901	10.60	32.90	30.72	33.83	46.61	54.00	-7.39	Average
2	5510.000	10.56	32.90	30.70	84.26	97.02	------	------	Average

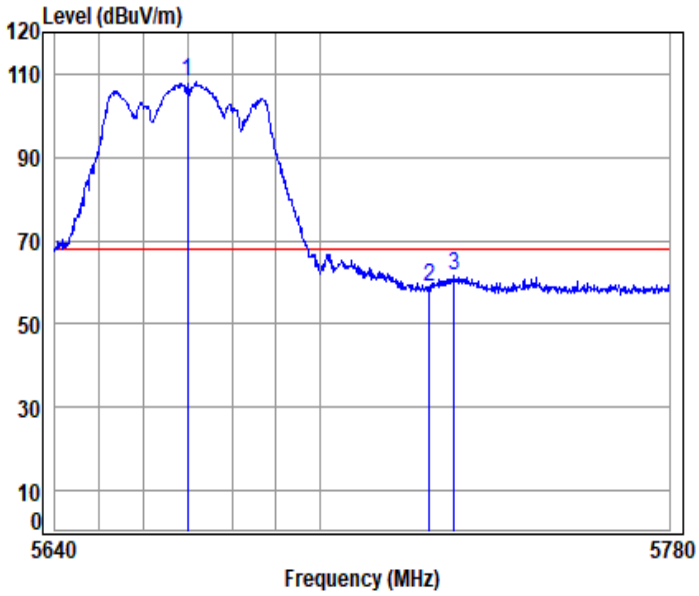
11ac_VHT(40M)_TX_CH_134_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5670 Band edge
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5670.000	10.52	33.14	30.63	96.18	109.21	68.20	41.01	peak
2	5725.000	10.68	33.25	30.61	47.64	60.96	68.20	-7.24	peak
3	5735.951	10.73	33.27	30.61	50.06	63.45	68.20	-4.75	peak

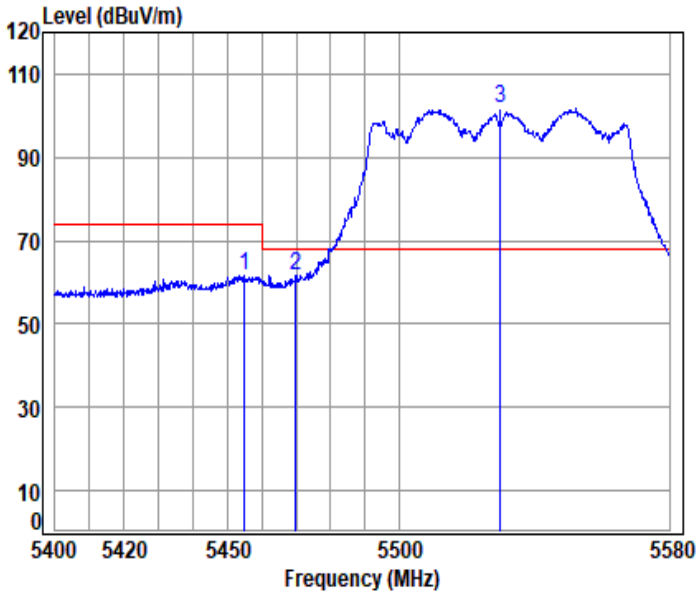
11ac_VHT(40M)_TX_CH_134_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5670 Band edge
: 5G Wi-Fi 11ac40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5670.000	10.52	33.14	30.63	94.88	107.91	68.20	39.71	peak
2	5725.000	10.68	33.25	30.61	45.73	59.05	68.20	-9.15	peak
3	5730.609	10.70	33.26	30.61	48.29	61.64	68.20	-6.56	peak

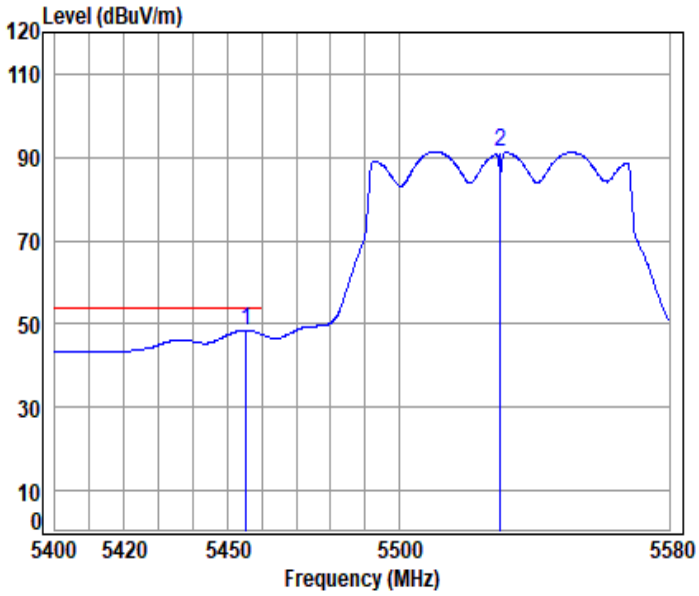
11ac_VHT(80M)_TX_CH_106_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5530 Band edge
: 5G Wi-Fi 11ac80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5454.991	10.60	32.90	30.72	48.82	61.60	74.00	-12.40	peak
2	5469.857	10.59	32.90	30.71	48.93	61.71	68.20	-6.49	peak
3 pp	5530.000	10.53	32.90	30.69	89.19	101.93	68.20	33.73	peak

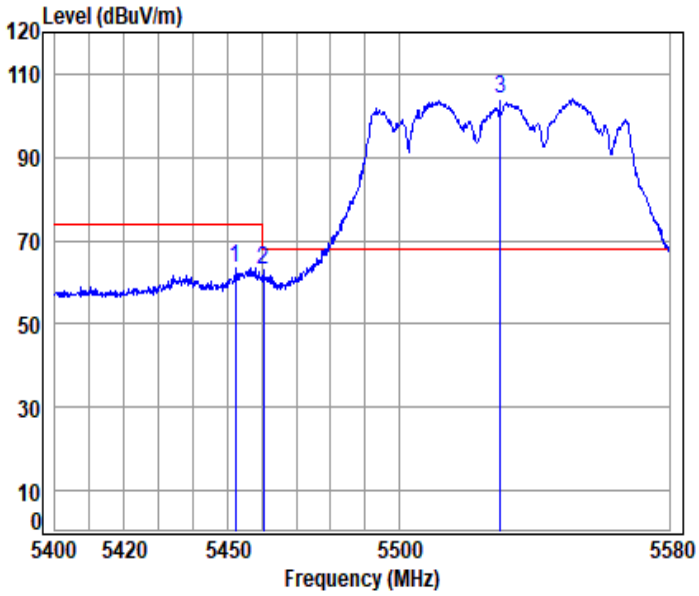
11ac_VHT(80M)_TX_CH_106_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5530 Band edge
: 5G Wi-Fi 11ac80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5455.349	10.60	32.90	30.72	35.72	48.50	54.00	-5.50	Average
2	5530.000	10.53	32.90	30.69	78.72	91.46	------	------	Average

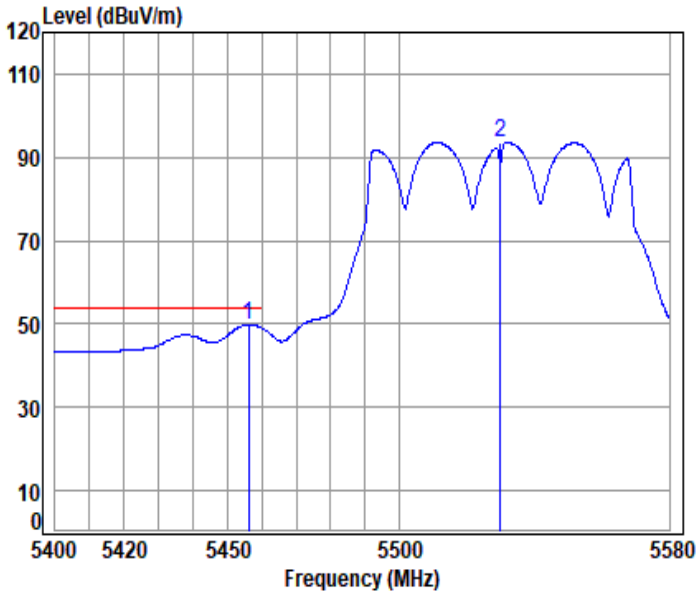
11ac_VHT(80M)_TX_CH_106_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5530 Band edge
: 5G Wi-Fi 11ac80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5452.309	10.60	32.90	30.72	50.73	63.51	74.00	-10.49	peak
2	5460.539	10.60	32.90	30.72	50.21	62.99	68.20	-5.21	peak
3 pp	5530.000	10.53	32.90	30.69	91.10	103.84	68.20	35.64	peak

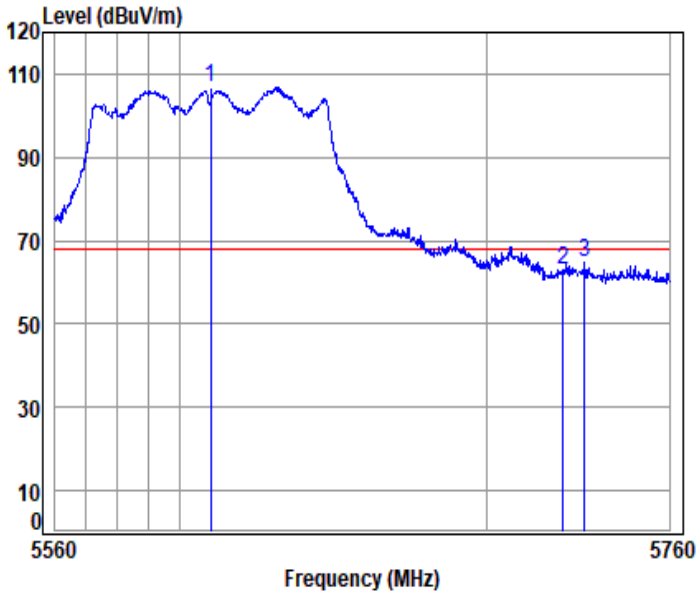
11ac_VHT(80M)_TX_CH_106_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5530 Band edge
: 5G Wi-Fi 11ac80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5456.064	10.60	32.90	30.72	37.09	49.87	54.00	-4.13	Average
2	5530.000	10.53	32.90	30.69	80.85	93.59	------	------	Average

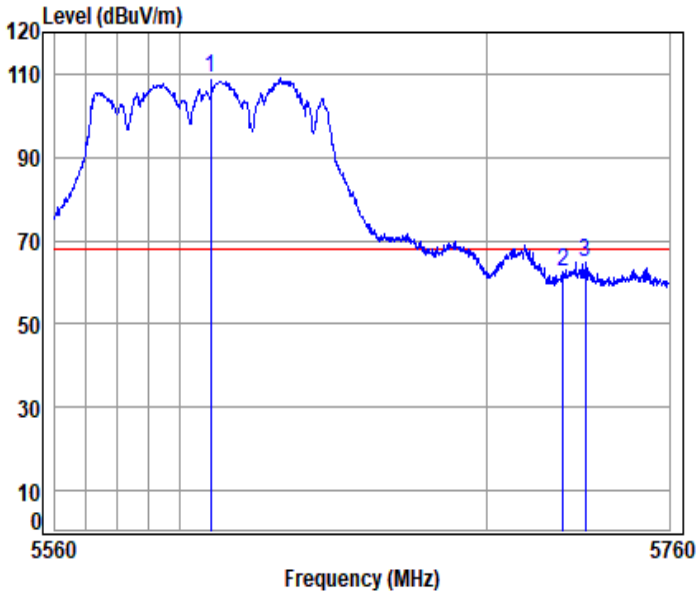
11ac_VHT(80M)_TX_CH_122_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5610 Band edge
: 5G Wi-Fi 11ac80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5610.000	10.43	33.02	30.66	93.89	106.68	68.20	38.48	peak
2	5725.000	10.68	33.25	30.61	49.52	62.84	68.20	-5.36	peak
3	5731.978	10.71	33.26	30.61	51.47	64.83	68.20	-3.37	peak

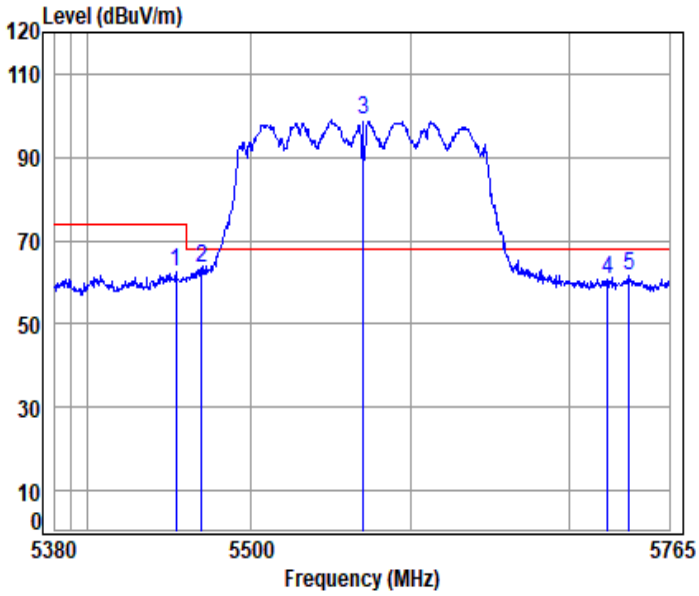
11ac_VHT(80M)_TX_CH_122_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5610 Band edge
: 5G Wi-Fi 11ac80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5610.000	10.43	33.02	30.66	96.33	109.12	68.20	40.92	peak
2	5725.000	10.68	33.25	30.61	49.20	62.52	68.20	-5.68	peak
3	5732.180	10.71	33.26	30.61	51.29	64.65	68.20	-3.55	peak

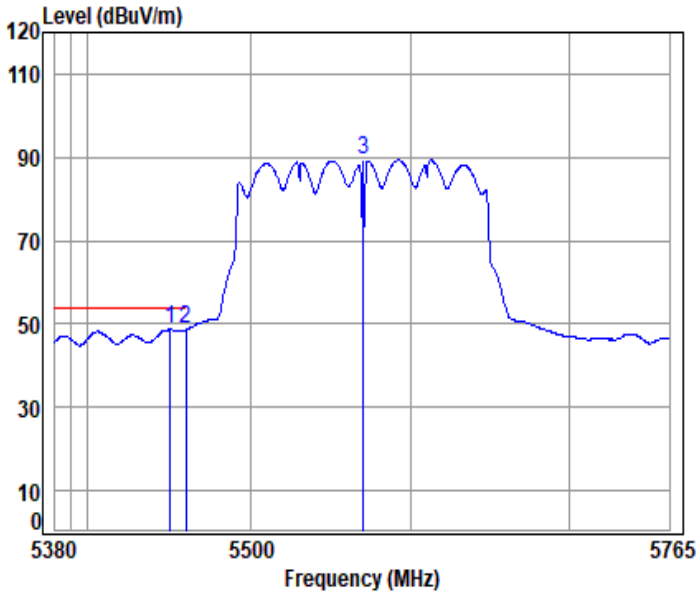
11ac_VHT(160M)_TX_CH_114_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5570 Band edge
: 5G Wi-Fi 11ac160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5453.755	10.60	32.90	30.72	49.56	62.34	74.00	-11.66	peak
2	5469.610	10.59	32.90	30.71	50.87	63.65	68.20	-4.55	peak
3 pp	5570.000	10.46	32.94	30.67	86.27	99.00	68.20	30.80	peak
4	5725.000	10.68	33.25	30.61	47.14	60.46	68.20	-7.74	peak
5	5739.158	10.74	33.28	30.60	48.14	61.56	68.20	-6.64	peak

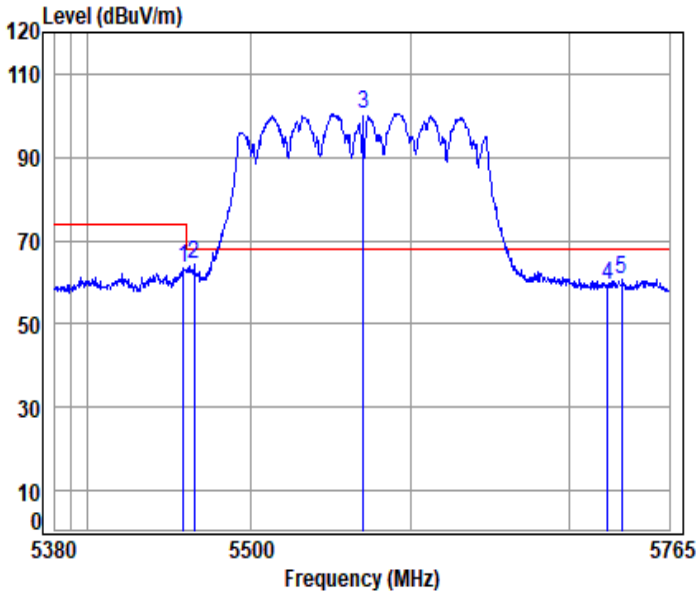
11ac_VHT(160M)_TX_CH_114_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5570 Band edge
: 5G Wi-Fi 11ac160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5450.364	10.60	32.90	30.72	35.93	48.71	54.00	-5.29	Average
2	5460.000	10.60	32.90	30.72	35.86	48.64	54.00	-5.36	Average
3	5570.000	10.46	32.94	30.67	76.51	89.24	------	------	Average

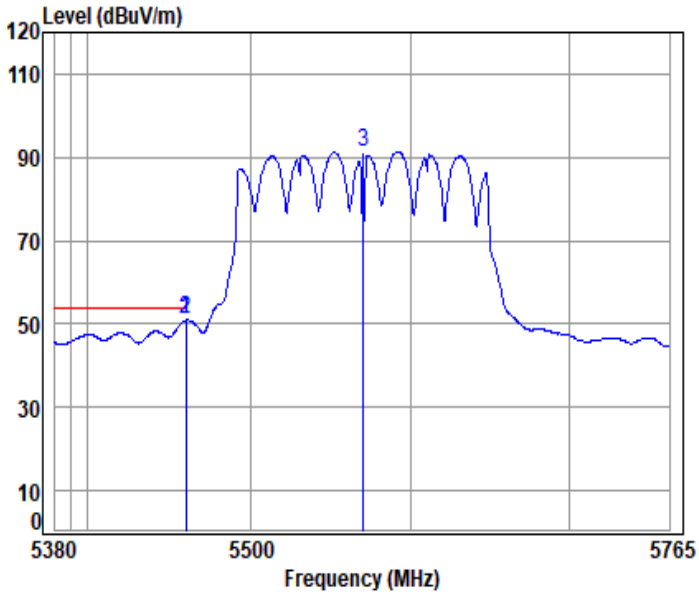
11ac_VHT(160M)_TX_CH_114_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5570 Band edge
: 5G Wi-Fi 11ac160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5458.280	10.60	32.90	30.72	50.76	63.54	74.00	-10.46	peak
2	5464.697	10.59	32.90	30.71	51.65	64.43	68.20	-3.77	peak
3 pp	5570.000	10.46	32.94	30.67	87.72	100.45	68.20	32.25	peak
4	5725.000	10.68	33.25	30.61	46.19	59.51	68.20	-8.69	peak
5	5734.400	10.72	33.27	30.61	47.30	60.68	68.20	-7.52	peak

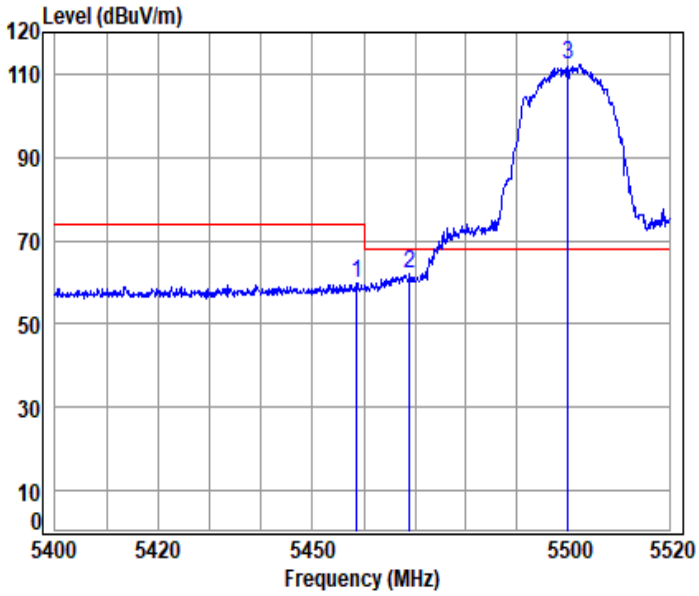
11ac_VHT(160M)_TX_CH_114_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5570 Band edge
: 5G Wi-Fi 11ac160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5459.790	10.60	32.90	30.72	38.13	50.91	54.00	-3.09	Average
2 pp	5460.000	10.60	32.90	30.72	38.17	50.95	54.00	-3.05	Average
3	5570.000	10.46	32.94	30.67	78.59	91.32	------	------	Average

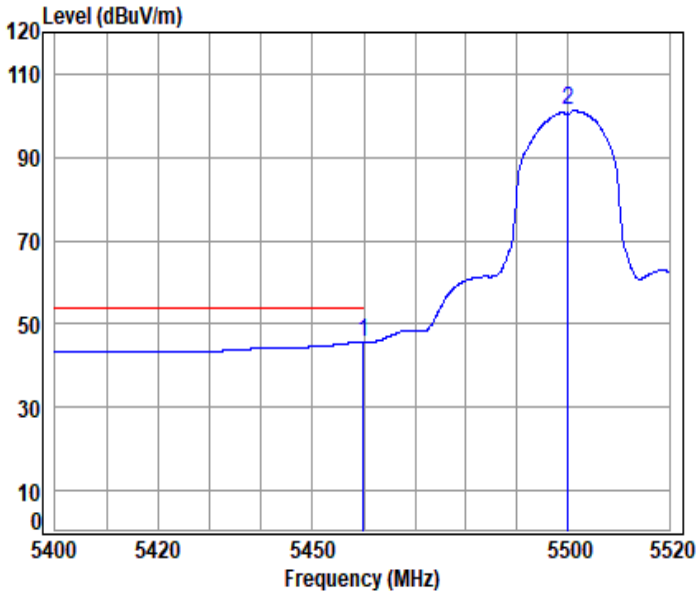
11be_20M _TX_CH_100_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5500 Band edge
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5458.590	10.60	32.90	30.72	46.88	59.66	74.00	-14.34	peak
2	5468.918	10.59	32.90	30.71	49.14	61.92	68.20	-6.28	peak
3 pp	5500.000	10.58	32.90	30.70	99.52	112.30	68.20	44.10	peak

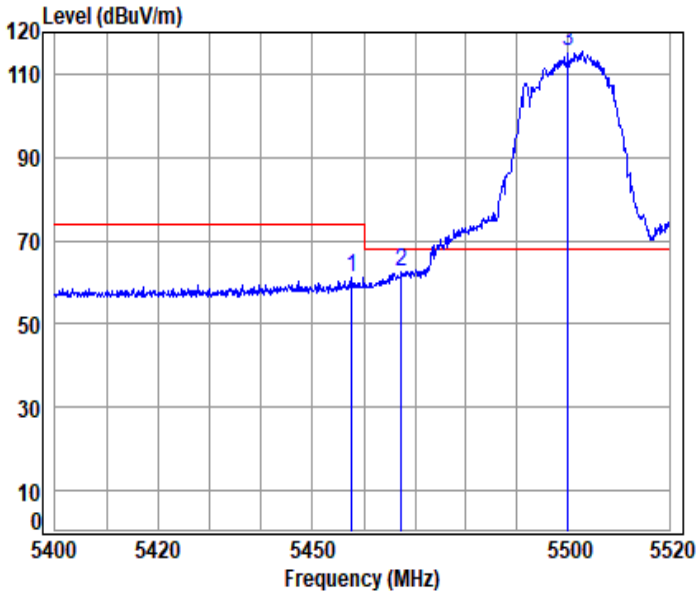
11be_20M _TX_CH_100_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5500 Band edge
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5459.910	10.60	32.90	30.72	32.77	45.55	54.00	-8.45	Average
2	5500.000	10.58	32.90	30.70	88.36	101.14	------	------	Average

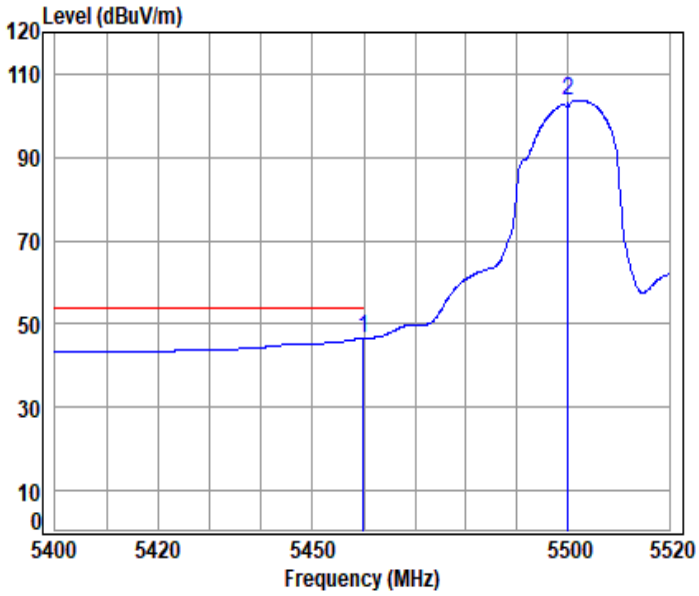
11be_20M _TX_CH_100_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5500 Band edge
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5457.631	10.60	32.90	30.72	48.24	61.02	74.00	-12.98	peak
2	5467.355	10.59	32.90	30.71	49.95	62.73	68.20	-5.47	peak
3 pp	5500.000	10.58	32.90	30.70	102.47	115.25	68.20	47.05	peak

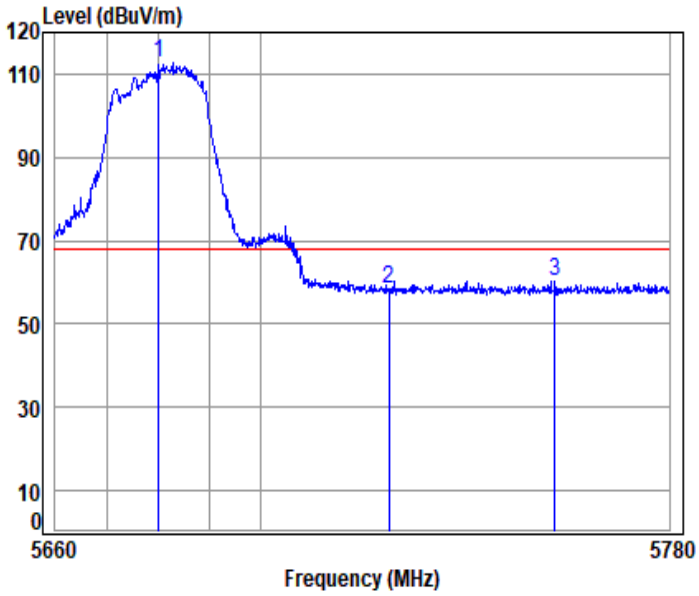
11be_20M _TX_CH_100_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5500 Band edge
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5459.910	10.60	32.90	30.72	33.76	46.54	54.00	-7.46	Average
2	5500.000	10.58	32.90	30.70	90.92	103.70	------	------	Average

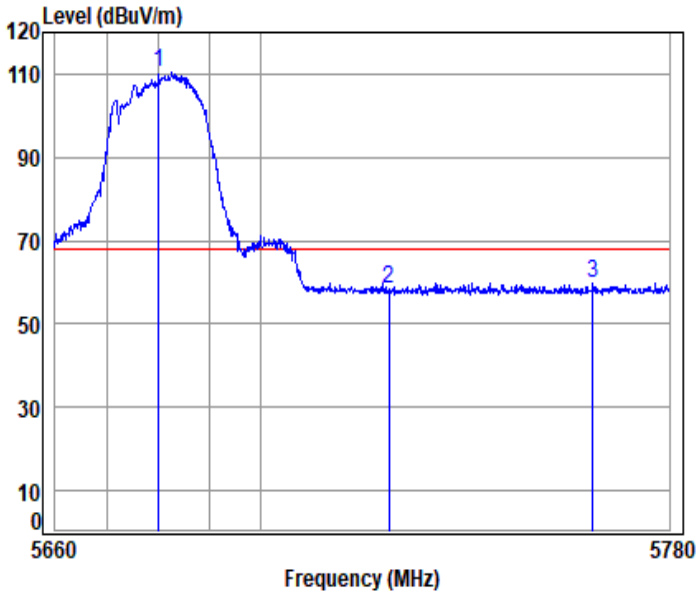
11be_20M _TX_CH_138_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5680 Band edge
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5680.000	10.53	33.16	30.63	99.48	112.54	68.20	44.34	peak
2	5725.000	10.68	33.25	30.61	45.09	58.41	68.20	-9.79	peak
3	5757.489	10.82	33.31	30.60	46.80	60.33	68.20	-7.87	peak

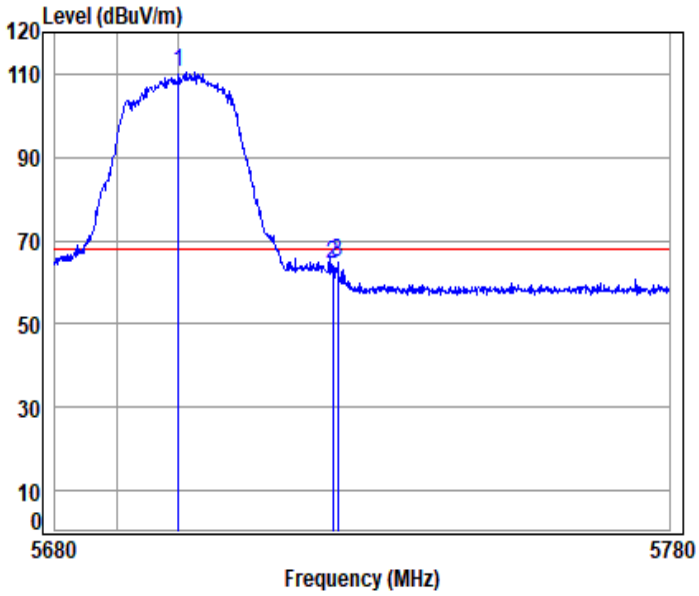
11be_20M _TX_CH_138_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5680 Band edge
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5680.000	10.53	33.16	30.63	97.31	110.37	68.20	42.17	peak
2	5725.000	10.68	33.25	30.61	45.15	58.47	68.20	-9.73	peak
3	5764.862	10.86	33.33	30.59	46.07	59.67	68.20	-8.53	peak

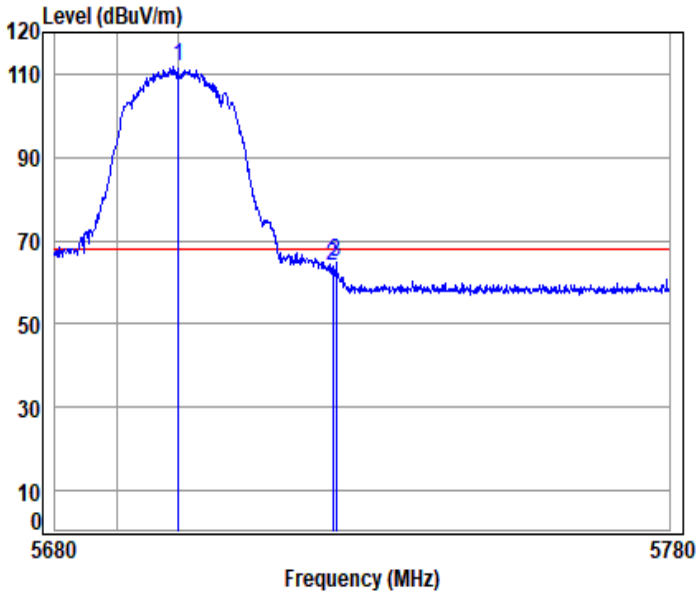
11be_20M _TX_CH_140_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5700 Band edge
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5700.000	10.56	33.20	30.62	97.14	110.28	68.20	42.08	peak
2	5725.000	10.68	33.25	30.61	50.87	64.19	68.20	-4.01	peak
3	5725.783	10.68	33.25	30.61	51.60	64.92	68.20	-3.28	peak

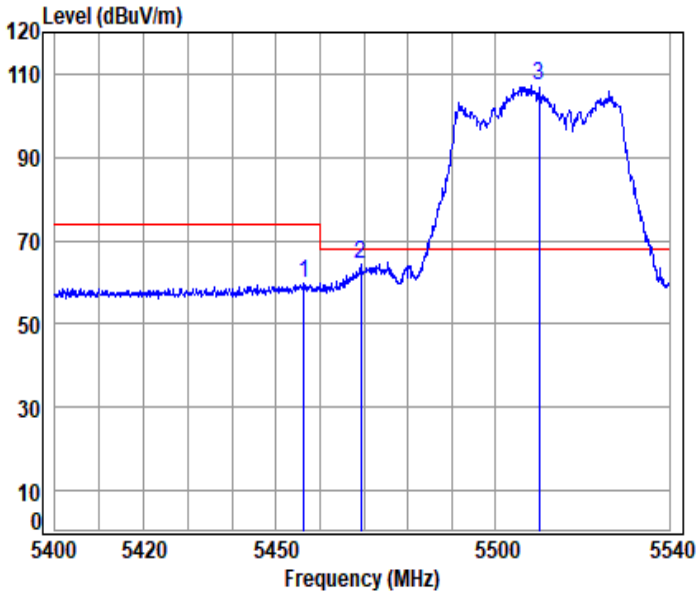
11be_20M _TX_CH_140_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5700 Band edge
: 5G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5700.000	10.56	33.20	30.62	98.81	111.95	68.20	43.75	peak
2	5725.000	10.68	33.25	30.61	50.35	63.67	68.20	-4.53	peak
3	5725.583	10.68	33.25	30.61	51.59	64.91	68.20	-3.29	peak

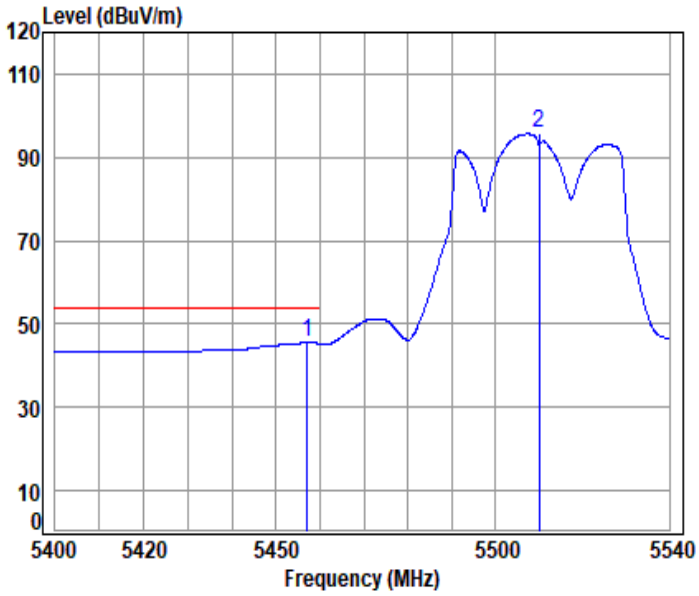
11be_40M _TX_CH_102_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5510 Band edge
: 5G Wi-Fi 11be40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5456.269	10.60	32.90	30.72	46.94	59.72	74.00	-14.28	peak
2	5469.272	10.59	32.90	30.71	51.48	64.26	68.20	-3.94	peak
3 pp	5510.000	10.56	32.90	30.70	94.38	107.14	68.20	38.94	peak

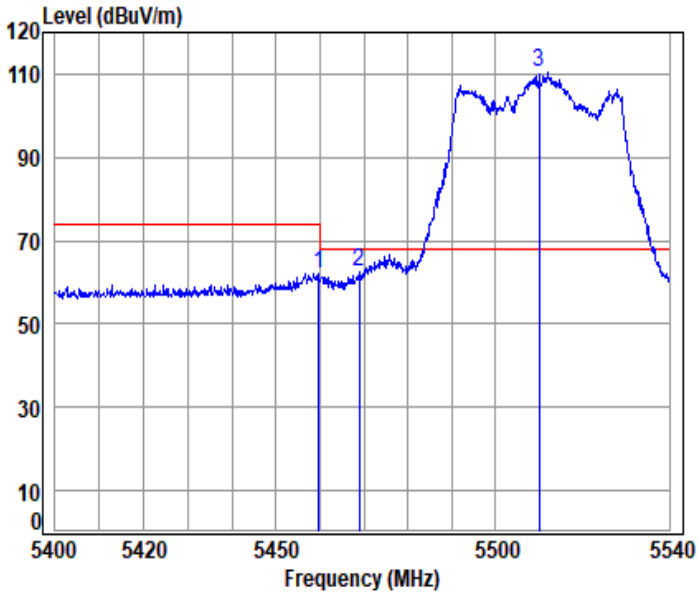
11be_40M _TX_CH_102_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5510 Band edge
: 5G Wi-Fi 11be40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5457.106	10.60	32.90	30.72	32.80	45.58	54.00	-8.42	Average
2	5510.000	10.56	32.90	30.70	82.84	95.60	------	------	Average

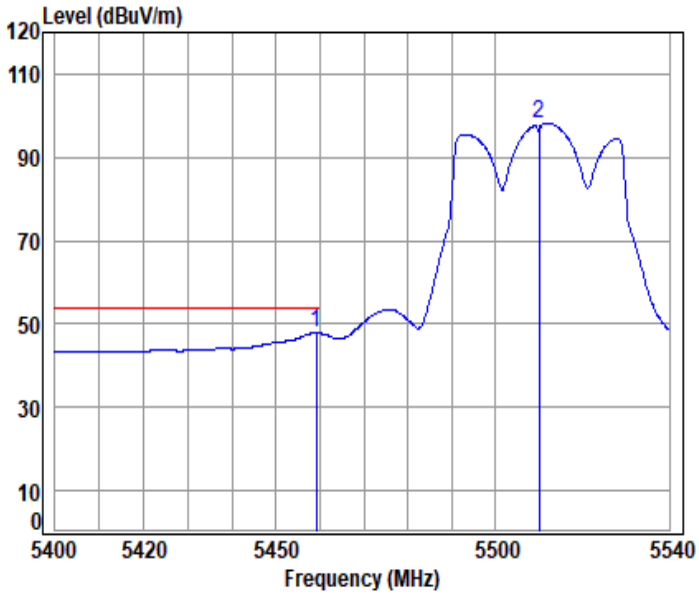
11be_40M _TX_CH_102_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5510 Band edge
: 5G Wi-Fi 11be40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5459.622	10.60	32.90	30.72	49.20	61.98	74.00	-12.02	peak
2	5468.852	10.59	32.90	30.71	49.67	62.45	68.20	-5.75	peak
3 pp	5510.000	10.56	32.90	30.70	97.51	110.27	68.20	42.07	peak

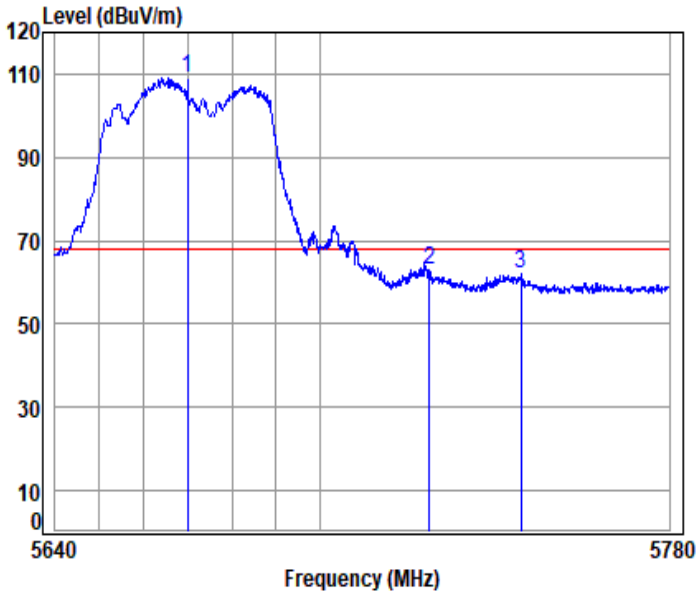
11be_40M _TX_CH_102_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5510 Band edge
: 5G Wi-Fi 11be40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5459.202	10.60	32.90	30.72	35.07	47.85	54.00	-6.15	Average
2	5510.000	10.56	32.90	30.70	85.56	98.32	------	------	Average

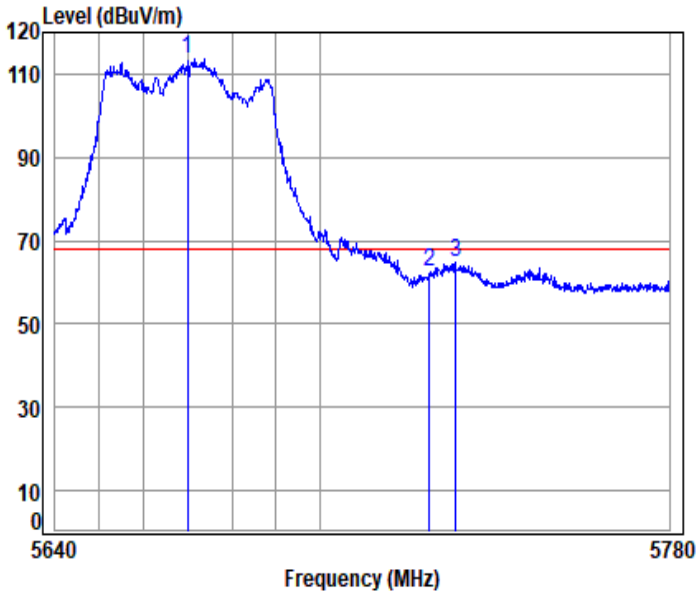
11be_40M _TX_CH_134_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5670 Band edge
: 5G Wi-Fi 11be40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5670.000	10.52	33.14	30.63	95.90	108.93	68.20	40.73	peak
2	5725.000	10.68	33.25	30.61	49.53	62.85	68.20	-5.35	peak
3	5745.805	10.77	33.29	30.60	48.37	61.83	68.20	-6.37	peak

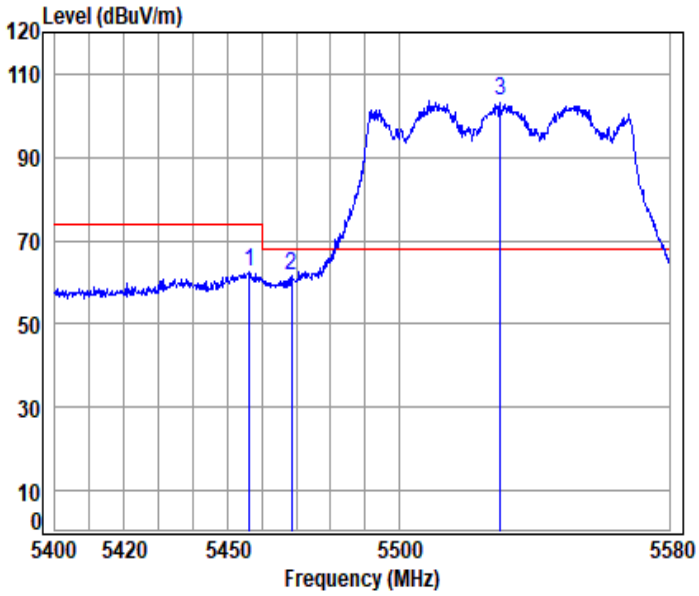
11be_40M _TX_CH_134_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5670 Band edge
: 5G Wi-Fi 11be40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5670.000	10.52	33.14	30.63	100.60	113.63	68.20	45.43	peak
2	5725.000	10.68	33.25	30.61	49.14	62.46	68.20	-5.74	peak
3	5730.890	10.70	33.26	30.61	51.23	64.58	68.20	-3.62	peak

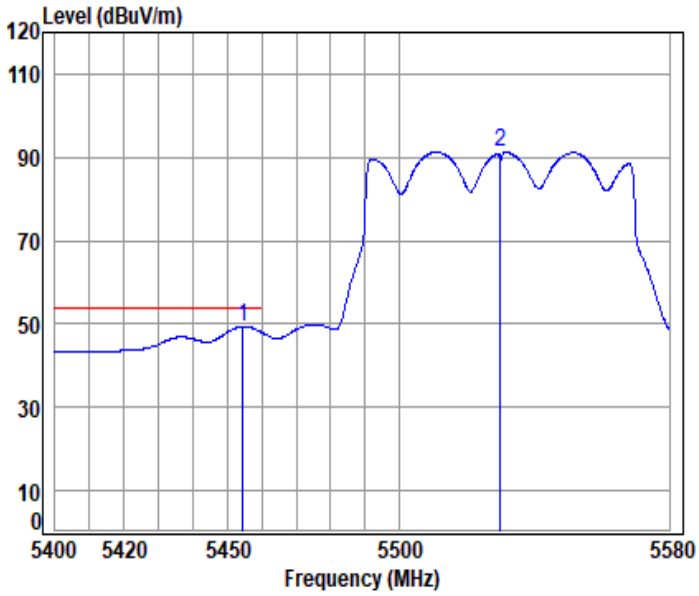
11be_80M _TX_CH_106_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5530 Band edge
: 5G Wi-Fi 11be80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5456.244	10.60	32.90	30.72	49.90	62.68	74.00	-11.32	peak
2	5468.602	10.59	32.90	30.71	48.99	61.77	68.20	-6.43	peak
3 pp	5530.000	10.53	32.90	30.69	90.91	103.65	68.20	35.45	peak

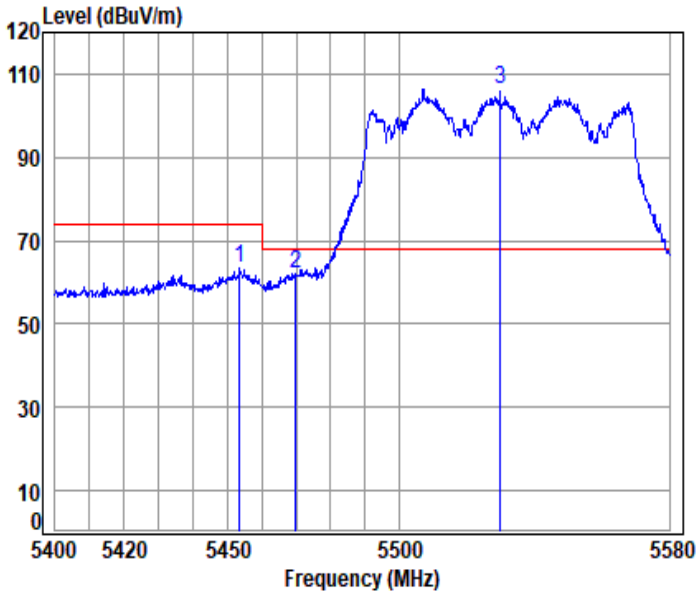
11be_80M _TX_CH_106_Horizontal-Avg



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5530 Band edge
: 5G Wi-Fi 11be80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5454.455	10.60	32.90	30.72	36.58	49.36	54.00	-4.64	Average
2	5530.000	10.53	32.90	30.69	78.49	91.23	------	------	Average

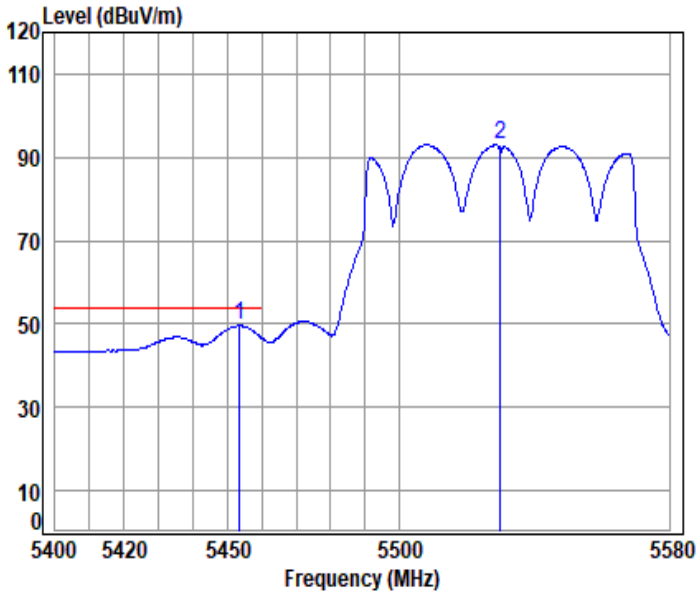
11be_80M _TX_CH_106_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5530 Band edge
: 5G Wi-Fi 11be80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5453.382	10.60	32.90	30.72	50.60	63.38	74.00	-10.62	peak
2	5469.857	10.59	32.90	30.71	49.45	62.23	68.20	-5.97	peak
3 pp	5530.000	10.53	32.90	30.69	93.76	106.50	68.20	38.30	peak

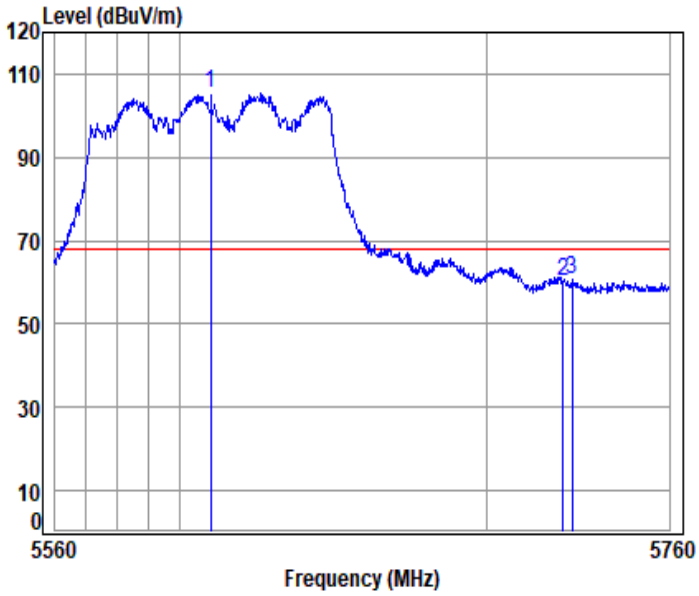
11be_80M _TX_CH_106_Vertical-Avg



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5530 Band edge
: 5G Wi-Fi 11be80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5453.561	10.60	32.90	30.72	36.78	49.56	54.00	-4.44	Average
2	5530.000	10.53	32.90	30.69	80.26	93.00	------	------	Average

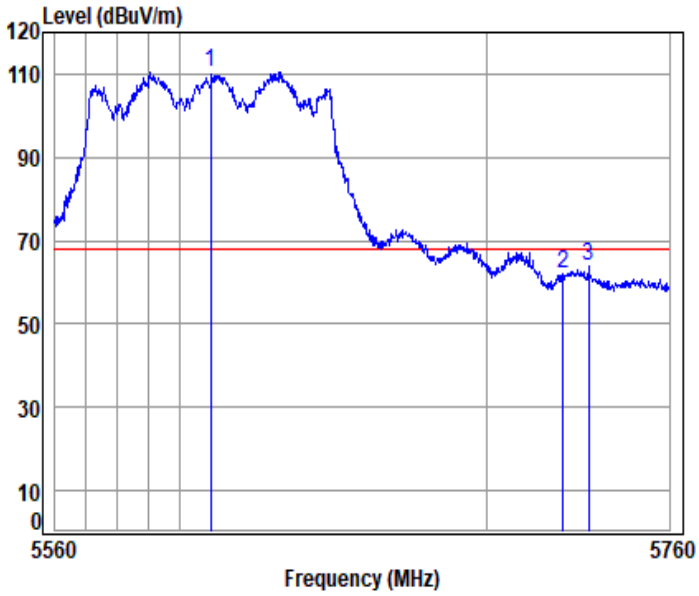
11be_80M _TX_CH_122_Horizontal-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5610 Band edge
: 5G Wi-Fi 11be80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5610.000	10.43	33.02	30.66	92.43	105.22	68.20	37.02	peak
2	5725.000	10.68	33.25	30.61	47.06	60.38	68.20	-7.82	peak
3	5727.928	10.69	33.26	30.61	47.23	60.57	68.20	-7.63	peak

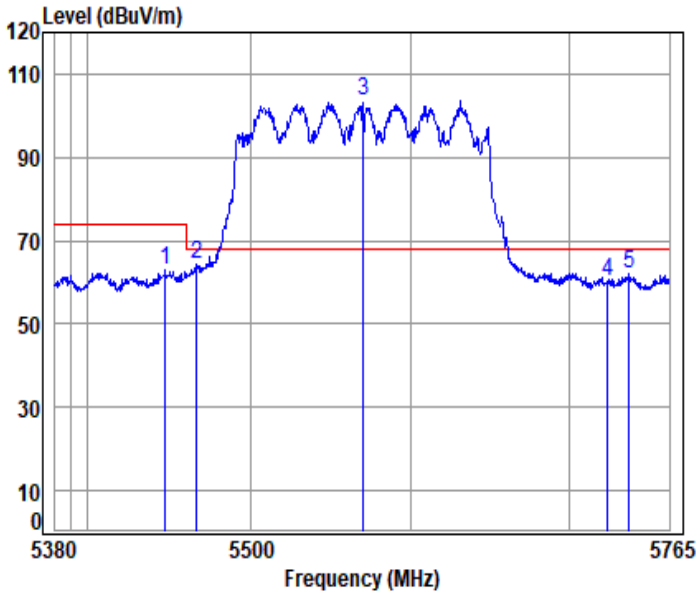
11be_80M _TX_CH_122_Vertical-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5610 Band edge
: 5G Wi-Fi 11be80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5610.000	10.43	33.02	30.66	97.68	110.47	68.20	42.27	peak
2	5725.000	10.68	33.25	30.61	48.79	62.11	68.20	-6.09	peak
3	5733.396	10.71	33.27	30.61	50.39	63.76	68.20	-4.44	peak

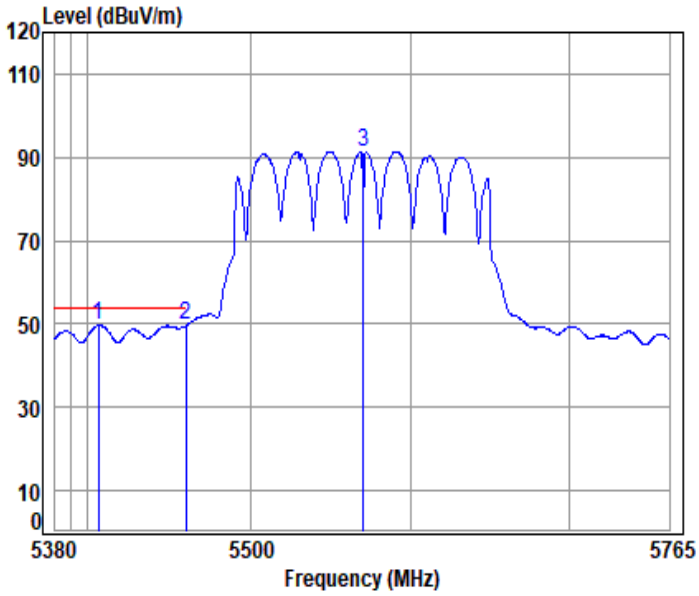
11be_160M _TX_CH_114_Horizontal-Peak



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5570 Band edge
: 5G Wi-Fi 11be160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5446.974	10.60	32.89	30.72	50.24	63.01	74.00	-10.99	peak
2	5466.586	10.59	32.90	30.71	51.42	64.20	68.20	-4.00	peak
3 pp	5570.000	10.46	32.94	30.67	90.63	103.36	68.20	35.16	peak
4	5725.000	10.68	33.25	30.61	46.97	60.29	68.20	-7.91	peak
5	5739.158	10.74	33.28	30.60	48.81	62.23	68.20	-5.97	peak

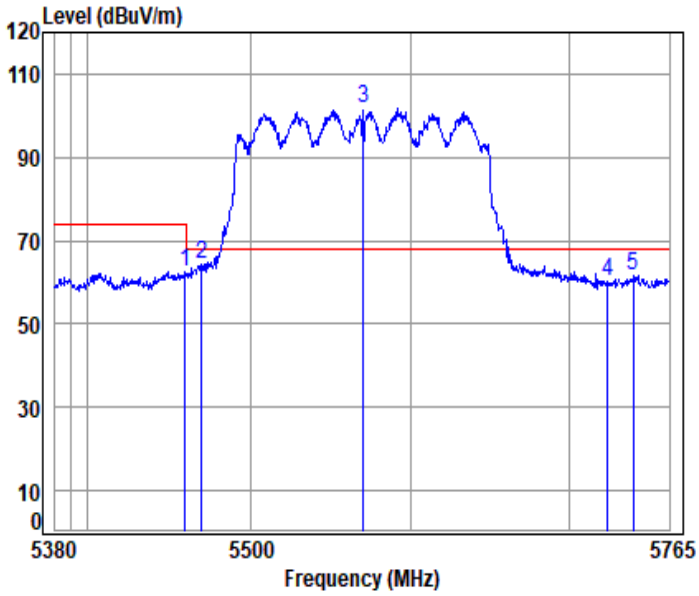
11be_160M _TX_CH_114_Horizontal-Avg



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5570 Band edge
: 5G Wi-Fi 11be160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5406.466	10.62	32.81	30.74	36.96	49.65	54.00	-4.35	Average
2 pp	5460.000	10.60	32.90	30.72	36.89	49.67	54.00	-4.33	Average
3	5570.000	10.46	32.94	30.67	78.67	91.40	------	------	Average

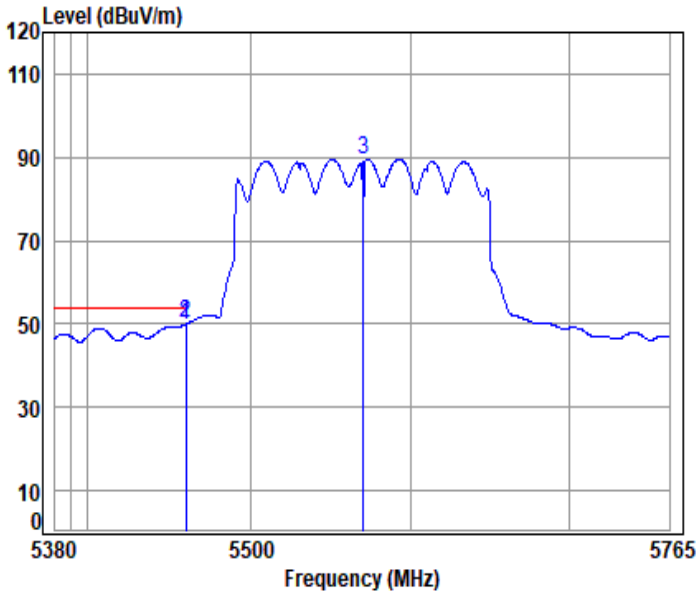
11be_160M _TX_CH_114_Vertical-Peak



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5570 Band edge
: 5G Wi-Fi 11be160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5459.412	10.60	32.90	30.72	49.95	62.73	74.00	-11.27	peak
2	5469.232	10.59	32.90	30.71	51.54	64.32	68.20	-3.88	peak
3 pp	5570.000	10.46	32.94	30.67	88.81	101.54	68.20	33.34	peak
4	5725.000	10.68	33.25	30.61	46.77	60.09	68.20	-8.11	peak
5	5741.936	10.75	33.28	30.60	48.24	61.67	68.20	-6.53	peak

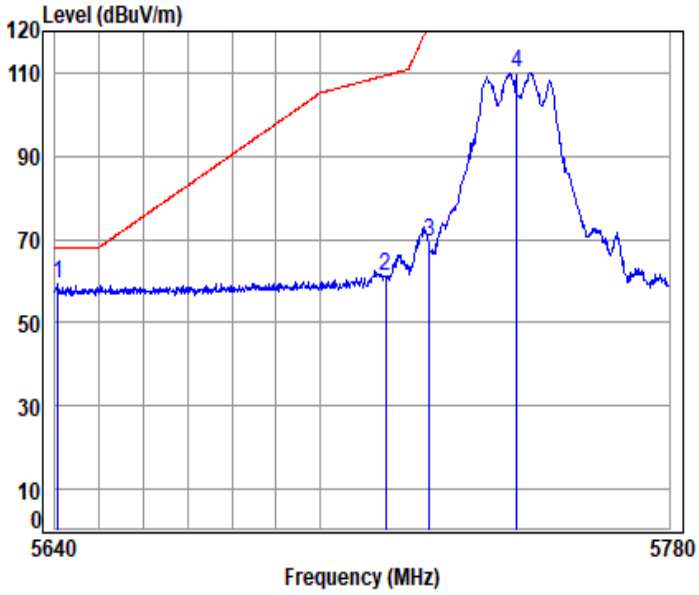
11be_160M _TX_CH_114_Vertical-Avg



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5570 Band edge
: 5G Wi-Fi 11be160

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5459.790	10.60	32.90	30.72	37.13	49.91	54.00	-4.09	Average
2 pp	5460.000	10.60	32.90	30.72	37.22	50.00	54.00	-4.00	Average
3	5570.000	10.46	32.94	30.67	76.86	89.59	------	------	Average

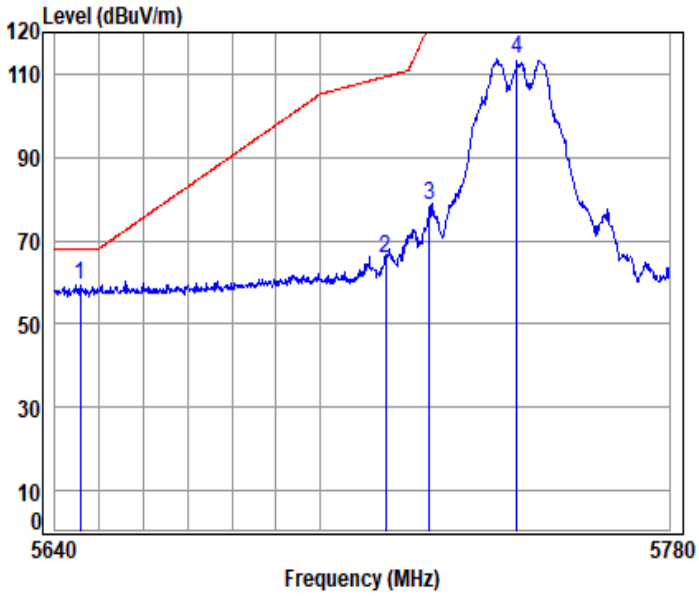
11a_TX_CH_149_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5745 Band edge
: 5.8G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 5640.691	10.47	33.08	30.64	46.38	59.29	68.20	-8.91	peak
2	5715.000	10.63	33.23	30.61	47.84	61.09	109.40	-48.31	peak
3	5725.000	10.68	33.25	30.61	55.92	69.24	122.20	-52.96	peak
4	5745.000	10.77	33.29	30.60	96.56	110.02	------	------	peak

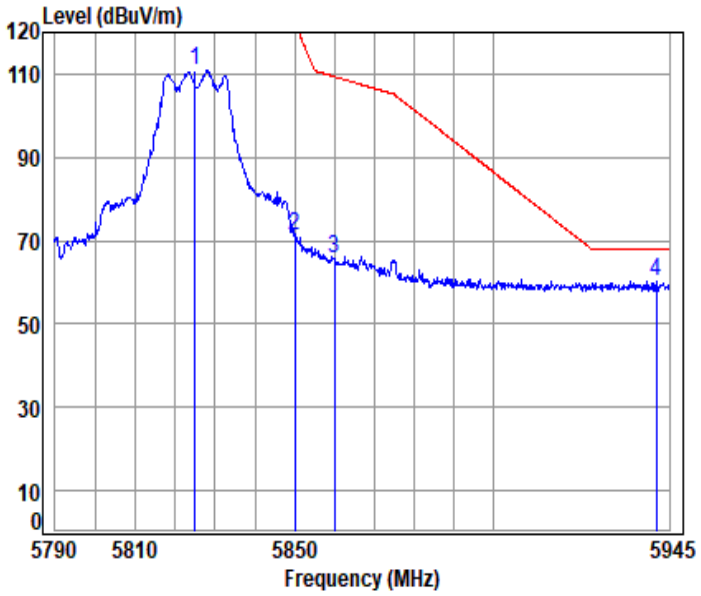
11a_TX_CH_149_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5745 Band edge
: 5.8G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5645.673	10.48	33.09	30.64	46.27	59.20	68.20	-9.00	peak
2	5715.000	10.63	33.23	30.61	52.59	65.84	109.40	-43.56	peak
3	5725.000	10.68	33.25	30.61	65.19	78.51	122.20	-43.69	peak
4	5745.000	10.77	33.29	30.60	99.96	113.42	------	------	peak

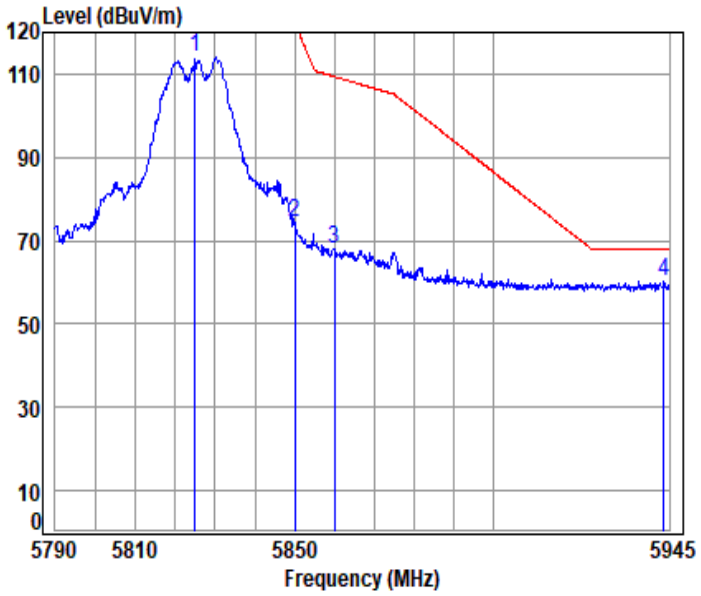
11a_TX_CH_165_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5825 Band edge
: 5.8G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.000	10.99	33.50	30.57	97.18	111.10	------	------	peak
2	5850.000	10.95	33.60	30.56	57.16	71.15	122.20	-51.05	peak
3	5860.000	10.94	33.58	30.56	51.88	65.84	109.40	-43.56	peak
4 pp	5941.703	10.86	33.58	30.52	46.32	60.24	68.20	-7.96	peak

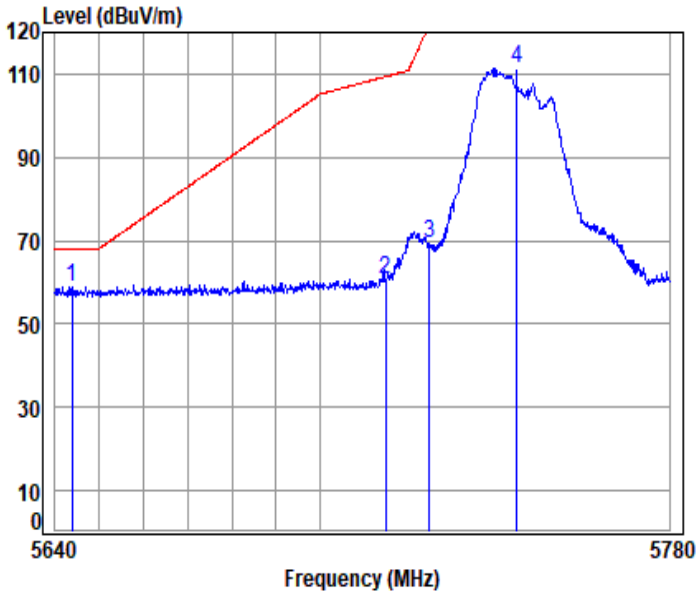
11a_TX_CH_165_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5825 Band edge
: 5.8G Wi-Fi 11a

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.000	10.99	33.50	30.57	99.94	113.86	------	------	peak
2	5850.000	10.95	33.60	30.56	60.25	74.24	122.20	-47.96	peak
3	5860.000	10.94	33.58	30.56	54.08	68.04	109.40	-41.36	peak
4 pp	5943.586	10.86	33.59	30.52	46.32	60.25	68.20	-7.95	peak

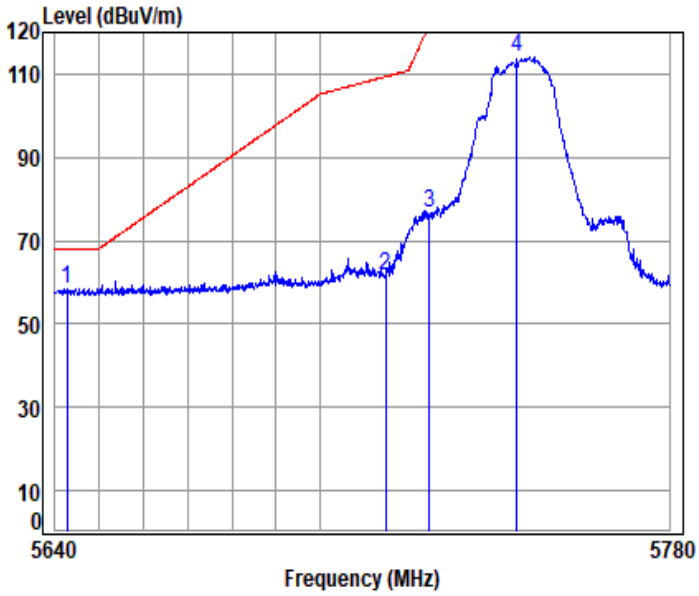
11ac_VHT(20M)_TX_CH_149_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5745 Band edge
: 5.8G Wi-Fi 11ac20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5643.874	10.48	33.09	30.64	45.97	58.90	68.20	-9.30	peak
2	5715.000	10.63	33.23	30.61	47.45	60.70	109.40	-48.70	peak
3	5725.000	10.68	33.25	30.61	56.19	69.51	122.20	-52.69	peak
4	5745.000	10.77	33.29	30.60	97.92	111.38	------	------	peak

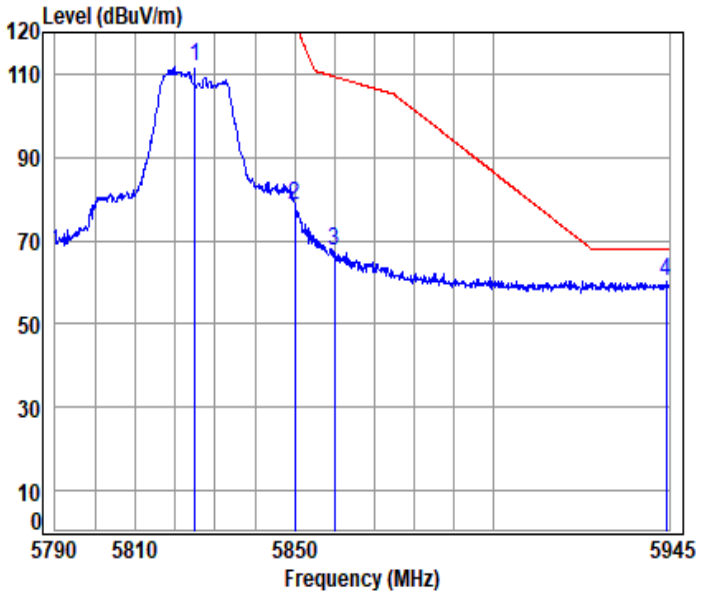
11ac_VHT(20M)_TX_CH_149_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5745 Band edge
: 5.8G Wi-Fi 11ac20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5642.628	10.47	33.09	30.64	45.67	58.59	68.20	-9.61	peak
2	5715.000	10.63	33.23	30.61	48.50	61.75	109.40	-47.65	peak
3	5725.000	10.68	33.25	30.61	63.12	76.44	122.20	-45.76	peak
4	5745.000	10.77	33.29	30.60	100.45	113.91	------	------	peak

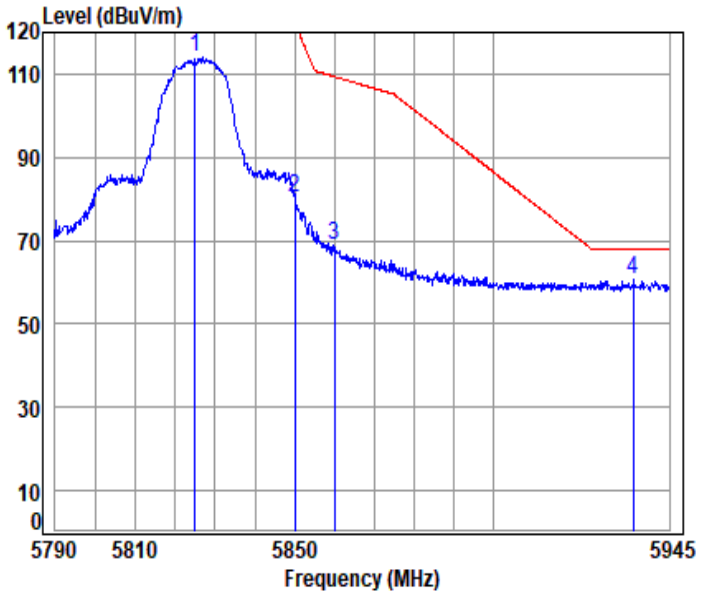
11ac_VHT(20M)_TX_CH_165_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5825 Band edge
: 5.8G Wi-Fi 11ac20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.000	10.99	33.50	30.57	97.64	111.56	------	------	peak
2	5850.000	10.95	33.60	30.56	64.53	78.52	122.20	-43.68	peak
3	5860.000	10.94	33.58	30.56	53.40	67.36	109.40	-42.04	peak
4 pp	5944.215	10.85	33.59	30.52	46.44	60.36	68.20	-7.84	peak

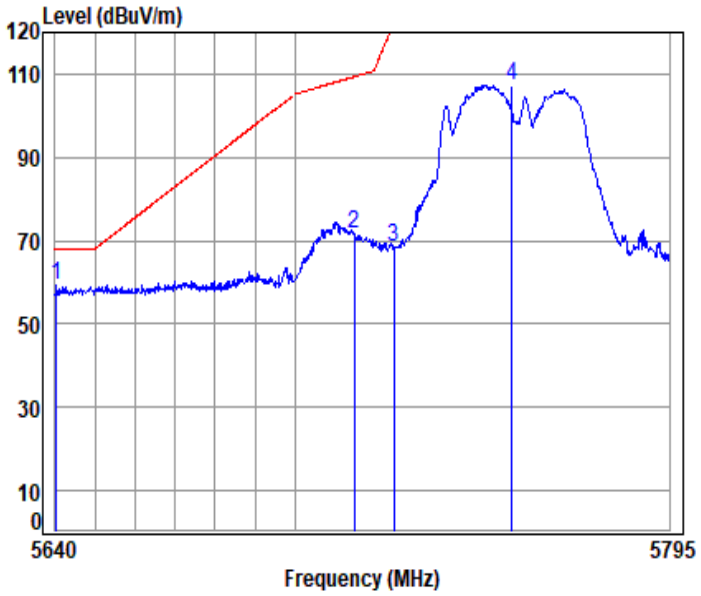
11ac_VHT(20M)_TX_CH_165_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5825 Band edge
: 5.8G Wi-Fi 11ac20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.000	10.99	33.50	30.57	100.15	114.07	------	------	peak
2	5850.000	10.95	33.60	30.56	66.46	80.45	122.20	-41.75	peak
3	5860.000	10.94	33.58	30.56	55.14	69.10	109.40	-40.30	peak
4 pp	5935.897	10.86	33.57	30.53	46.88	60.78	68.20	-7.42	peak

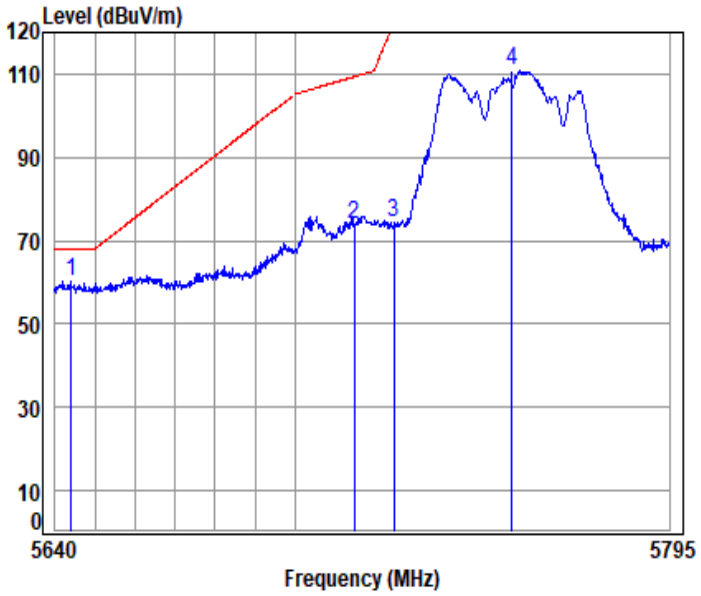
11ac_VHT(40M)_TX_CH_151_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5755 Band edge
: 5.8G Wi-Fi 11ac40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5640.306	10.47	33.08	30.64	46.39	59.30	68.20	-8.90	peak
2	5715.000	10.63	33.23	30.61	58.46	71.71	109.40	-37.69	peak
3	5725.000	10.68	33.25	30.61	55.20	68.52	122.20	-53.68	peak
4	5755.000	10.81	33.31	30.60	93.91	107.43	------	------	peak

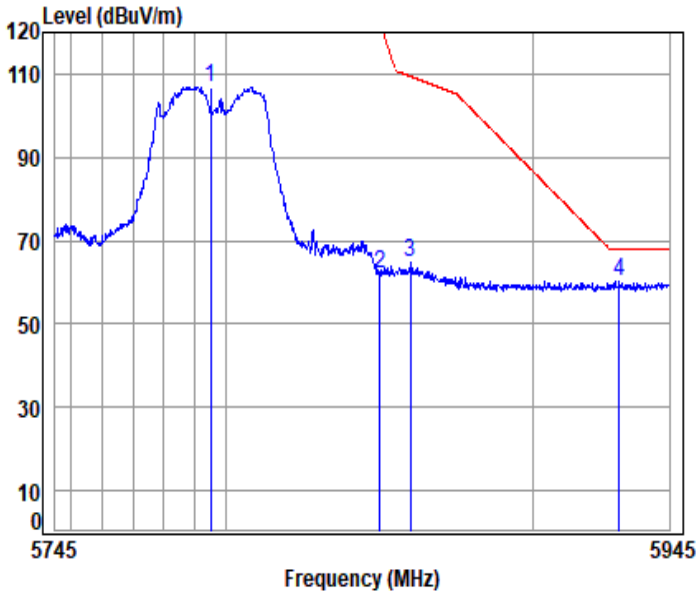
11ac_VHT(40M)_TX_CH_151_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5755 Band edge
: 5.8G Wi-Fi 11ac40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5643.977	10.48	33.09	30.64	47.47	60.40	68.20	-7.80	peak
2	5715.000	10.63	33.23	30.61	60.47	73.72	109.40	-35.68	peak
3	5725.000	10.68	33.25	30.61	61.25	74.57	122.20	-47.63	peak
4	5755.000	10.81	33.31	30.60	97.17	110.69	------	------	peak

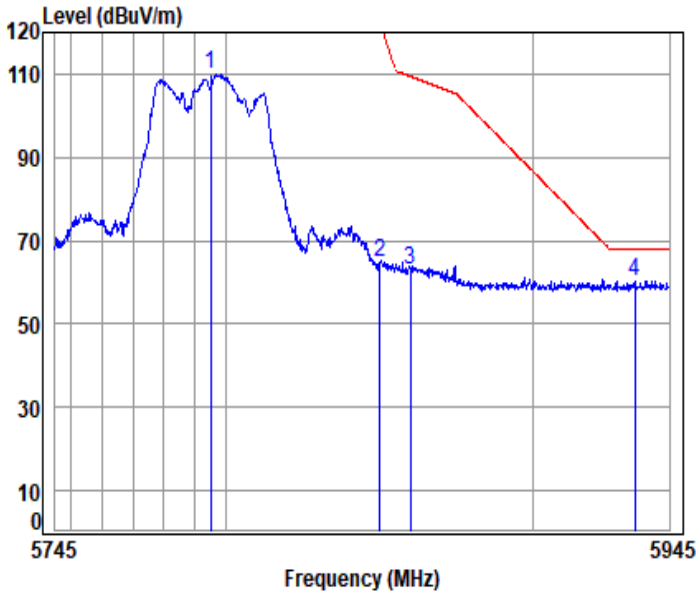
11ac_VHT(40M)_TX_CH_159_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5795 Band edge
: 5.8G Wi-Fi 11ac40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5795.000	11.00	33.39	30.58	93.06	106.87	------	------	peak
2	5850.000	10.95	33.60	30.56	47.86	61.85	122.20	-60.35	peak
3	5860.000	10.94	33.58	30.56	50.66	64.62	109.40	-44.78	peak
4 pp	5928.341	10.87	33.56	30.53	46.28	60.18	68.20	-8.02	peak

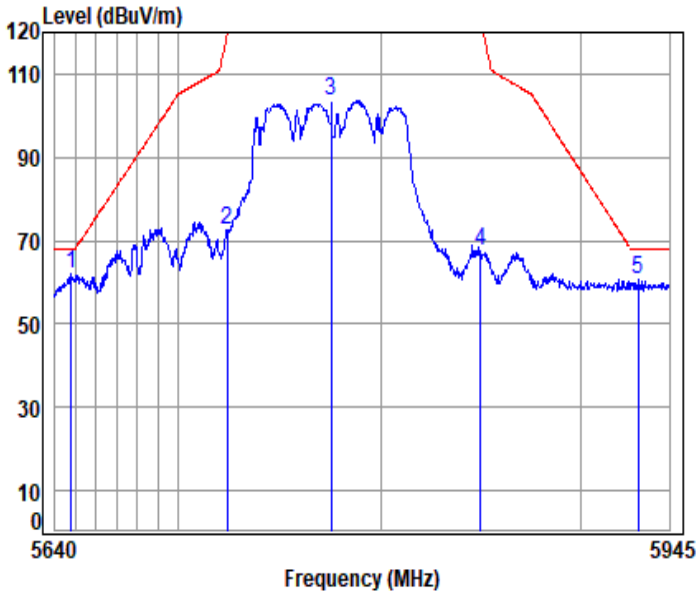
11ac_VHT(40M)_TX_CH_159_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5795 Band edge
: 5.8G Wi-Fi 11ac40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5795.000	11.00	33.39	30.58	96.28	110.09	------	------	peak
2	5850.000	10.95	33.60	30.56	50.59	64.58	122.20	-57.62	peak
3	5860.000	10.94	33.58	30.56	49.10	63.06	109.40	-46.34	peak
4	pp 5933.618	10.86	33.57	30.53	46.54	60.44	68.20	-7.76	peak

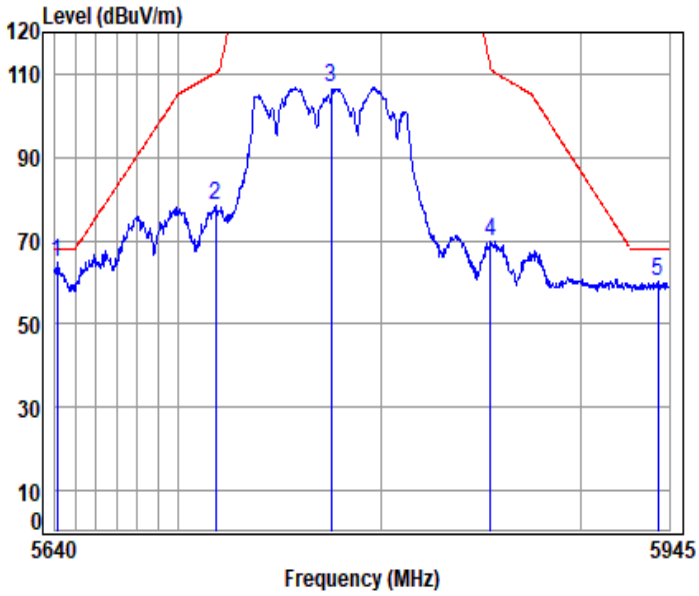
11ac_VHT(80M)_TX_CH_155_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5775 Band edge
: 5.8G Wi-Fi 11ac80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5648.026	10.48	33.10	30.64	49.33	62.27	68.20	-5.93	peak
2	5723.787	10.67	33.25	30.61	59.37	72.68	119.44	-46.76	peak
3	5775.000	10.91	33.35	30.59	90.08	103.75	------	------	peak
4	5849.650	10.96	33.60	30.56	53.36	67.36	------	------	peak
5	5929.366	10.87	33.56	30.53	46.79	60.69	68.20	-7.51	peak

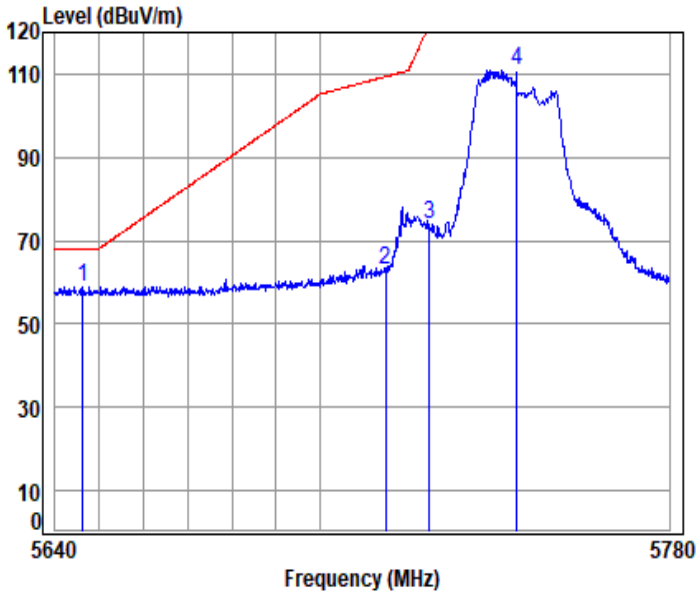
11ac_VHT(80M)_TX_CH_155_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5775 Band edge
: 5.8G Wi-Fi 11ac80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5640.891	10.47	33.08	30.64	51.92	64.83	68.20	-3.37	peak
2	5718.063	10.64	33.24	30.61	65.22	78.49	110.26	-31.77	peak
3	5775.000	10.91	33.35	30.59	93.27	106.94	------	------	peak
4	5854.582	10.95	33.59	30.56	55.71	69.69	111.75	-42.06	peak
5	5939.367	10.86	33.58	30.52	46.19	60.11	68.20	-8.09	peak

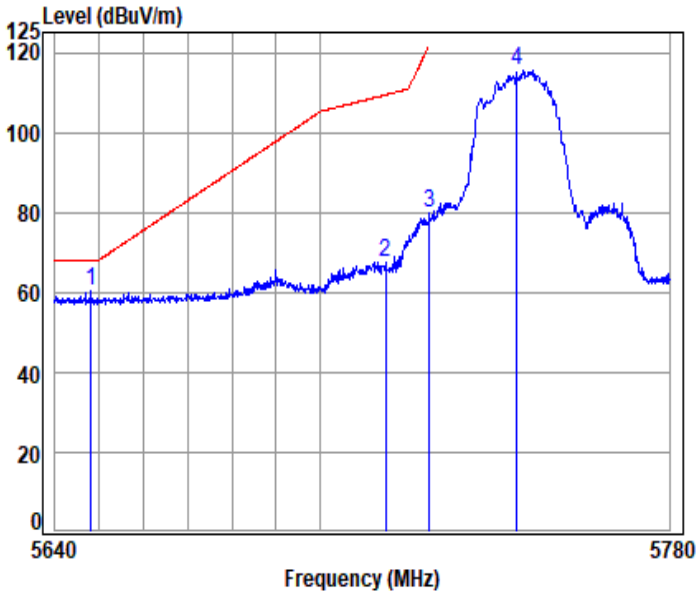
11be_20M_TX_CH_149_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5745 Band edge
: 5.8G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5646.227	10.48	33.09	30.64	46.04	58.97	68.20	-9.23	peak
2	5715.000	10.63	33.23	30.61	49.91	63.16	109.40	-46.24	peak
3	5725.000	10.68	33.25	30.61	60.46	73.78	122.20	-48.42	peak
4	5745.000	10.77	33.29	30.60	97.53	110.99	------	------	peak

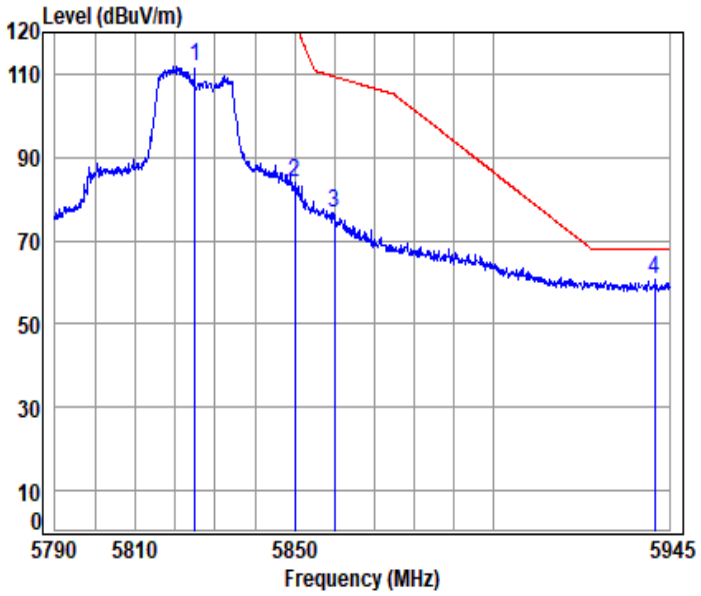
11be_20M_TX_CH_149_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5745 Band edge
: 5.8G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5648.026	10.48	33.10	30.64	47.37	60.31	68.20	-7.89	peak
2	5715.000	10.63	33.23	30.61	54.42	67.67	109.40	-41.73	peak
3	5725.000	10.68	33.25	30.61	66.69	80.01	122.20	-42.19	peak
4	5745.000	10.77	33.29	30.60	101.93	115.39	------	------	peak

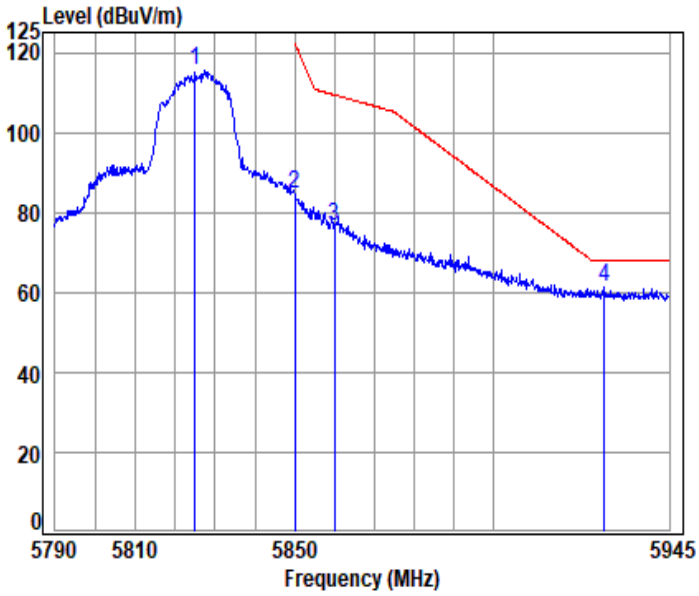
11be_20M_TX_CH_165_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5825 Band edge
: 5.8G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.000	10.99	33.50	30.57	97.87	111.79	------	------	peak
2	5850.000	10.95	33.60	30.56	69.76	83.75	122.20	-38.45	peak
3	5860.000	10.94	33.58	30.56	62.48	76.44	109.40	-32.96	peak
4 pp	5941.389	10.86	33.58	30.52	46.55	60.47	68.20	-7.73	peak

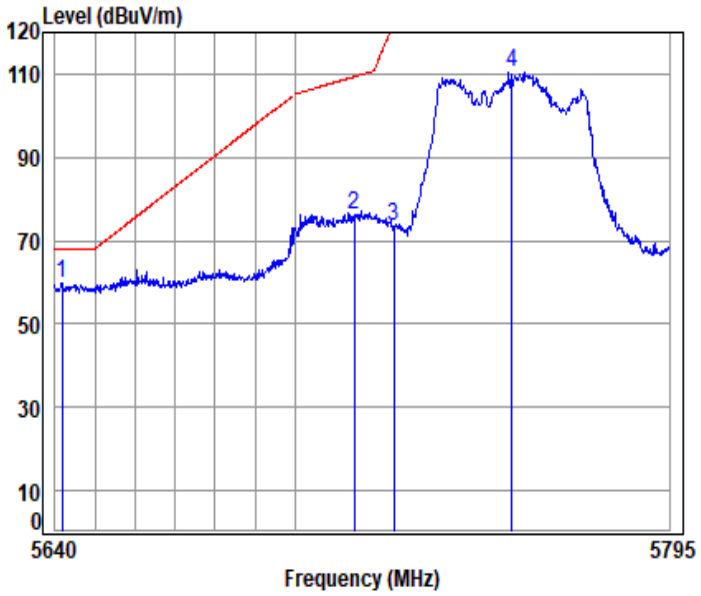
11be_20M_TX_CH_165_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5825 Band edge
: 5.8G Wi-Fi 11be20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5825.000	10.99	33.50	30.57	101.43	115.35	------	------	peak
2	5850.000	10.95	33.60	30.56	70.58	84.57	122.20	-37.63	peak
3	5860.000	10.94	33.58	30.56	62.63	76.59	109.40	-32.81	peak
4 pp	5928.532	10.87	33.56	30.53	47.33	61.23	68.20	-6.97	peak

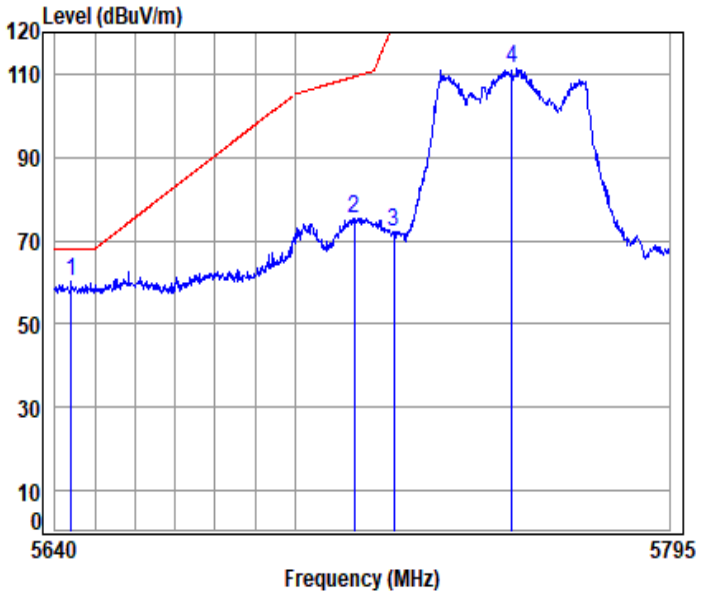
11be_40M_TX_CH_151_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5755 Band edge
: 5.8G Wi-Fi 11be40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5641.682	10.47	33.08	30.64	46.78	59.69	68.20	-8.51	peak
2	5715.000	10.63	33.23	30.61	62.87	76.12	109.40	-33.28	peak
3	5725.000	10.68	33.25	30.61	60.19	73.51	122.20	-48.69	peak
4	5755.000	10.81	33.31	30.60	96.91	110.43	------	------	peak

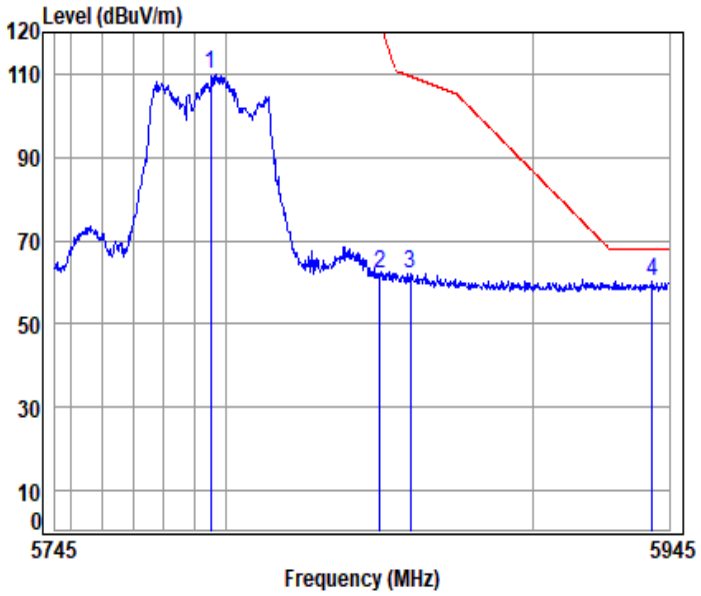
11be_40M_TX_CH_151_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5755 Band edge
: 5.8G Wi-Fi 11be40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5643.977	10.48	33.09	30.64	47.22	60.15	68.20	-8.05	peak
2	5715.000	10.63	33.23	30.61	62.09	75.34	109.40	-34.06	peak
3	5725.000	10.68	33.25	30.61	58.83	72.15	122.20	-50.05	peak
4	5755.000	10.81	33.31	30.60	97.88	111.40	------	------	peak

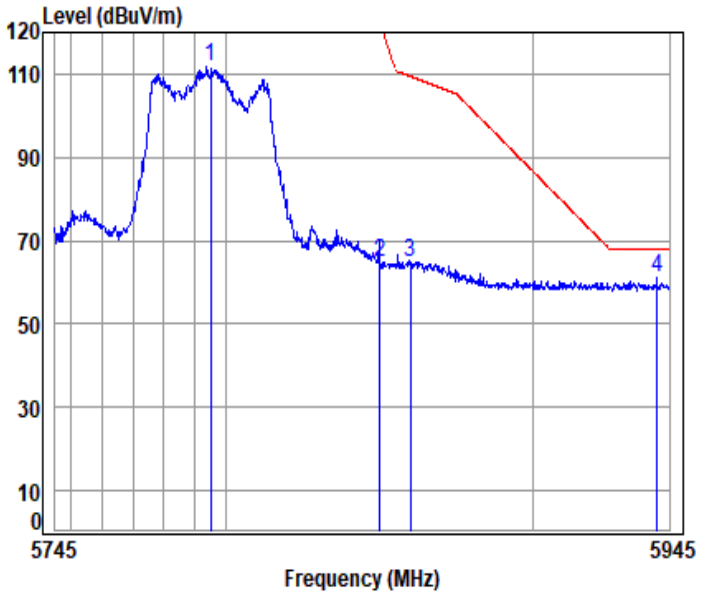
11be_40M_TX_CH_159_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5795 Band edge
: 5.8G Wi-Fi 11be40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5795.000	11.00	33.39	30.58	96.02	109.83	------	------	peak
2	5850.000	10.95	33.60	30.56	48.10	62.09	122.20	-60.11	peak
3	5860.000	10.94	33.58	30.56	47.92	61.88	109.40	-47.52	peak
4 pp	5939.306	10.86	33.58	30.52	46.48	60.40	68.20	-7.80	peak

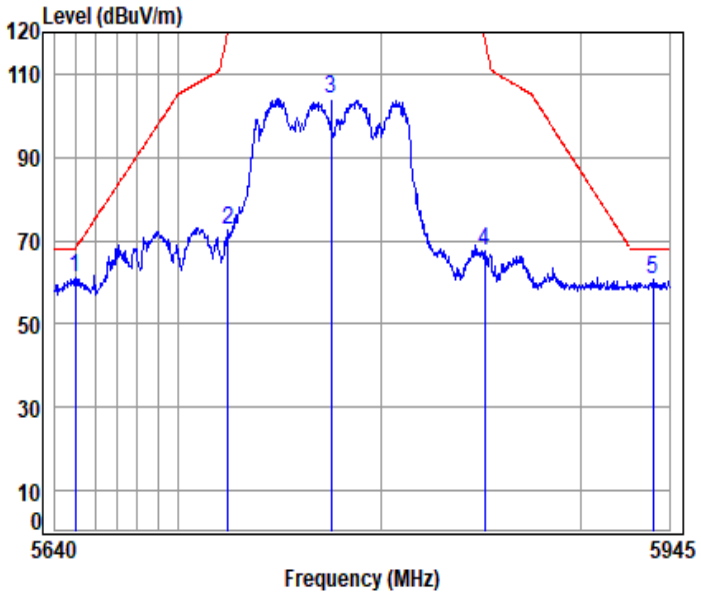
11be_40M_TX_CH_159_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5795 Band edge
: 5.8G Wi-Fi 11be40

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5795.000	11.00	33.39	30.58	98.17	111.98	------	------	peak
2	5850.000	10.95	33.60	30.56	50.81	64.80	122.20	-57.40	peak
3	5860.000	10.94	33.58	30.56	50.84	64.80	109.40	-44.60	peak
4 pp	5940.933	10.86	33.58	30.52	47.30	61.22	68.20	-6.98	peak

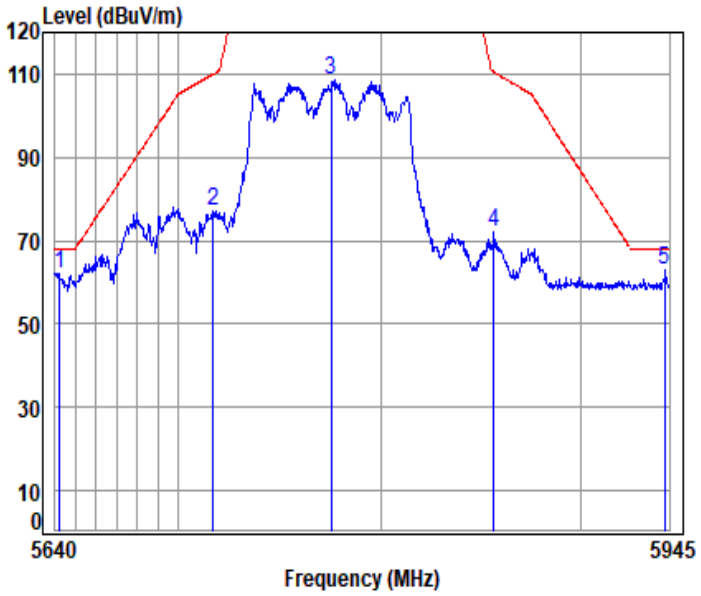
11be_80M_TX_CH_155_Horizontal



Condition: 3m HORIZONTAL
Job No : 00881WM/00882WM
Mode : 5775 Band edge
: 5.8G Wi-Fi 11be80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	5649.811	10.48	33.10	30.64	48.42	61.36	68.20	-6.84	peak
2	5724.088	10.67	33.25	30.61	59.09	72.40	120.12	-47.72	peak
3	5775.000	10.91	33.35	30.59	90.57	104.24	------	------	peak
4	5851.808	10.95	33.60	30.56	53.64	67.63	118.08	-50.45	peak
5	5936.552	10.86	33.57	30.53	46.74	60.64	68.20	-7.56	peak

11be_80M_TX_CH_155_Vertical



Condition: 3m VERTICAL
Job No : 00881WM/00882WM
Mode : 5775 Band edge
: 5.8G Wi-Fi 11be80

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5642.080	10.47	33.08	30.64	49.21	62.12	68.20	-6.08	peak
2	5716.858	10.64	33.23	30.61	63.92	77.18	109.92	-32.74	peak
3	5775.000	10.91	33.35	30.59	95.09	108.76	------	------	peak
4	5856.124	10.95	33.59	30.56	58.10	72.08	110.48	-38.40	peak
5 pp	5942.809	10.86	33.59	30.52	48.86	62.79	68.20	-5.41	peak

7.6 Channel Move Time

Test Requirement KDB 905462 D02 Section 5.1

Test Method: KDB 905462 D02 Section 7.8.3

Limit:

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

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

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

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

7.6.1 E.U.T. Operation

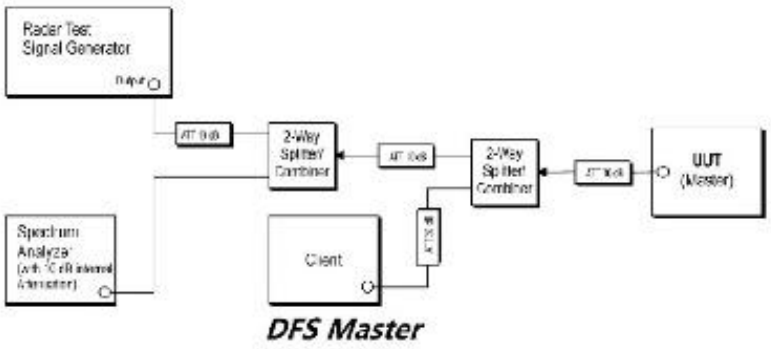
Operating Environment:

Temperature: 24.3 °C Humidity: 44.8 % RH Atmospheric Pressure: 1020 mbar

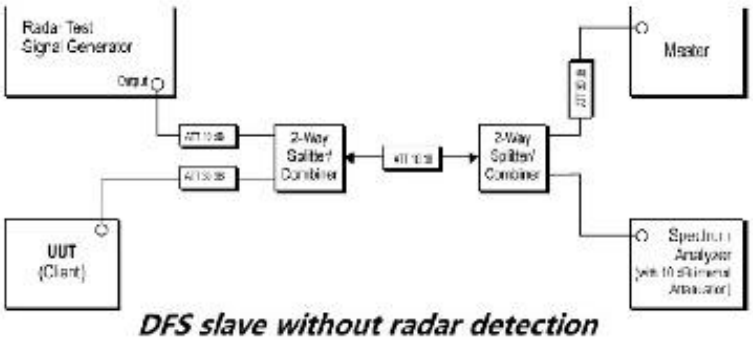
7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	07	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	08	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

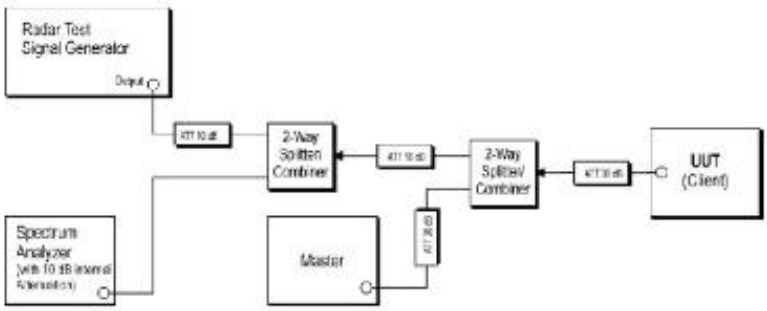
7.6.3 Test Setup Diagram



DFS Master



DFS slave without radar detection



DFS slave with radar detection

7.6.4 Measurement Procedure and Data

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

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

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

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

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

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

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

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

Please Refer to Appendix for Details

7.7 Duty Cycle

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

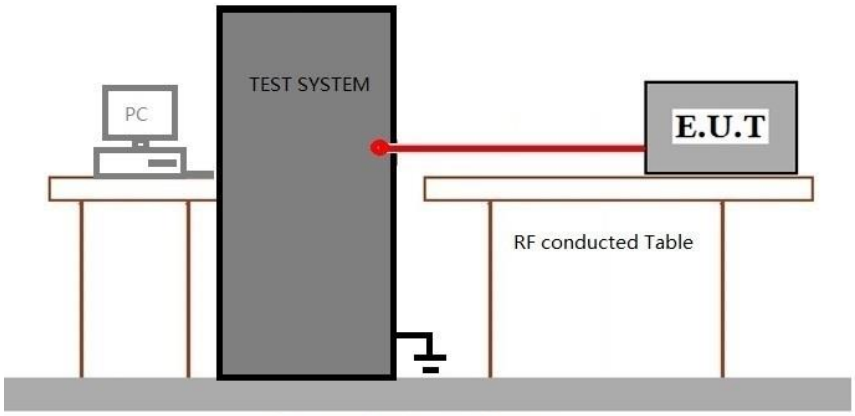
7.7.1 E.U.T. Operation

Operating Environment:
Temperature: 24.3 °C Humidity: 44.8 % RH Atmospheric Pressure: 1020 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	07	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	08	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.7.3 Test Setup Diagram



7.7.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.8 99% Bandwidth

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

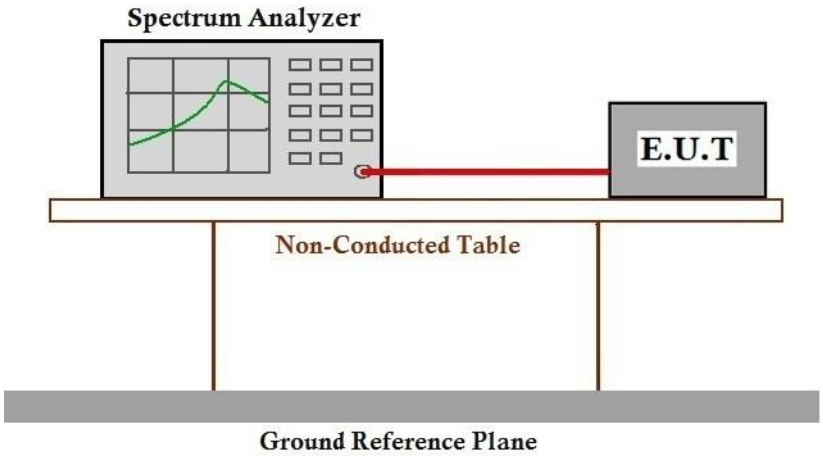
7.8.1 E.U.T. Operation

Operating Environment:
Temperature: 24.3 °C Humidity: 44.8 % RH Atmospheric Pressure: 1020 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	07	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	08	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.8.3 Test Setup Diagram



7.8.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.9 26dB Emission bandwidth

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

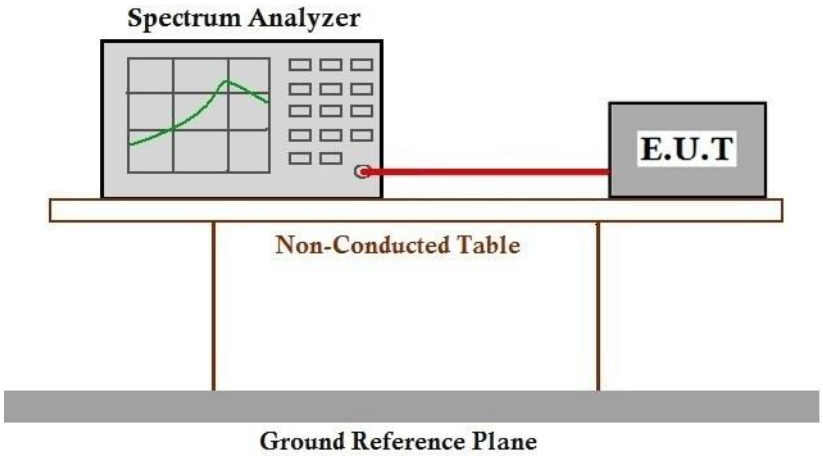
7.9.1 E.U.T. Operation

Operating Environment:
Temperature: 24.3 °C Humidity: 44.8 % RH Atmospheric Pressure: 1020 mbar

7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	07	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.9.3 Test Setup Diagram



7.9.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.10 Minimum 6 dB bandwidth (5.725-5.85 GHz band)

Test Requirement 47 CFR Part 15, Subpart E 15.407 (e)
Test Method: ANSI C63.10 (2013) Section 6.9.2

Limit:

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

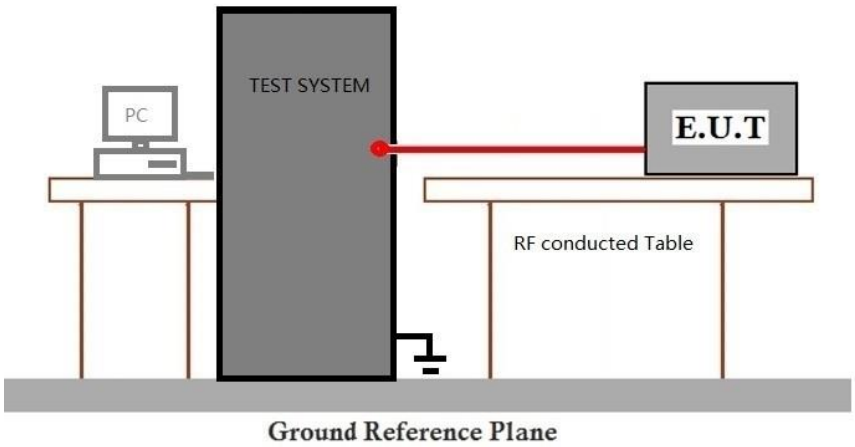
7.10.1 E.U.T. Operation

Operating Environment:
Temperature: 24.3 °C Humidity: 44.8 % RH Atmospheric Pressure: 1020 mbar

7.10.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	08	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.10.3 Test Setup Diagram



7.10.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.11 Peak Power spectrum density

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

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

Limit:

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

7.11.1 E.U.T. Operation

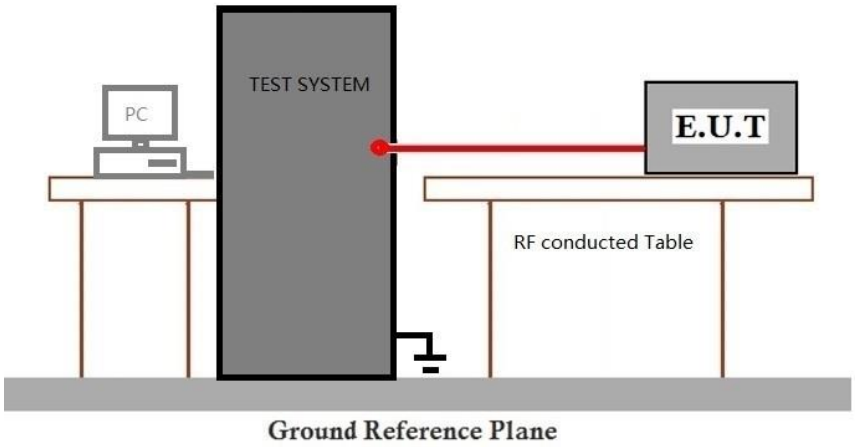
Operating Environment:

Temperature: 24.3 °C Humidity: 44.8 % RH Atmospheric Pressure: 1020 mbar

7.11.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	07	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	08	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.11.3 Test Setup Diagram



7.11.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.12 Frequency Stability

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

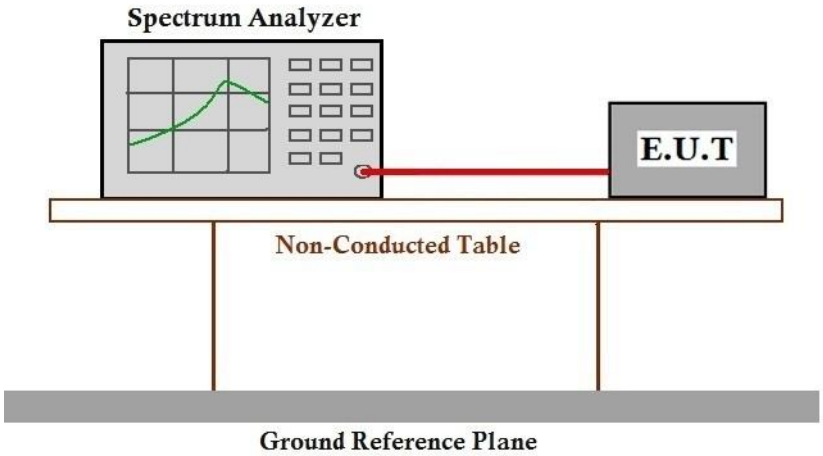
7.12.1 E.U.T. Operation

Operating Environment:
Temperature: 24.3 °C Humidity: 44.8 % RH Atmospheric Pressure: 1020 mbar

7.12.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	07	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	08	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

7.12.3 Test Setup Diagram



7.12.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.13 Channel Closing Transmission Time

Test Requirement KDB 905462 D02 Section 5.1

Test Method: KDB 905462 D02 Section 7.8.3

Limit:

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

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

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

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

7.13.1 E.U.T. Operation

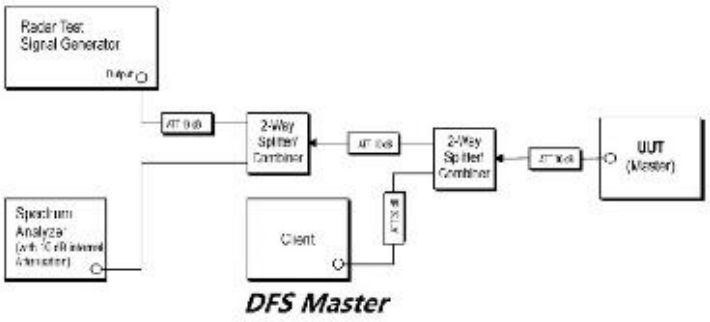
Operating Environment:

Temperature: 24.3 °C Humidity: 44.8 % RH Atmospheric Pressure: 1020 mbar

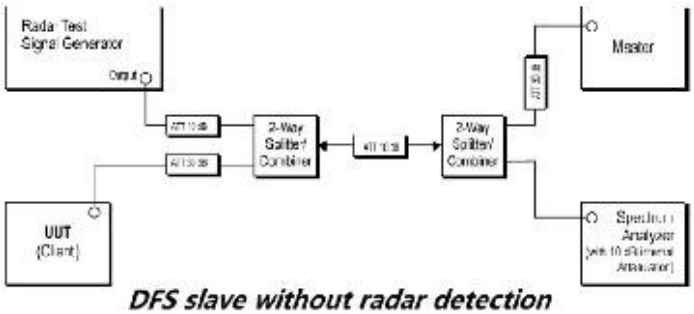
7.13.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	05	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-2A) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	07	TX mode (U-NII-2C) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.
Final test	08	TX mode (U-NII-3) _Keep the EUT in continuously transmitting mode with all modulation types. Only the data of worst case is recorded in the report.

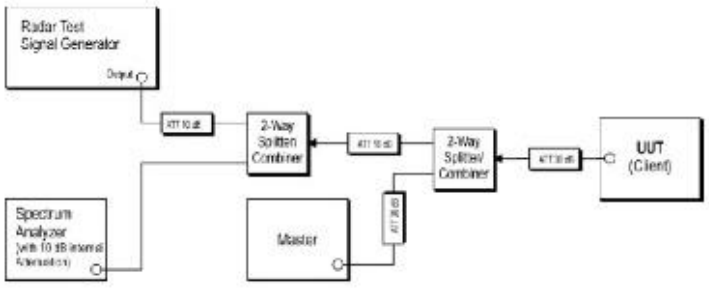
7.13.3 Test Setup Diagram



DFS Master



DFS slave without radar detection



DFS slave with radar detection

7.13.4 Measurement Procedure and Data

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

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

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

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

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

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

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

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

Please Refer to Appendix for Details

8 Test Setup Photo

Please refer to SZCR2503000881 Appendix WLAN Setup Photo

9 EUT Constructional Details (EUT Photos)

Refer to Appendix – External and Internal Photos for SZCR2503000881WM.

10 Appendix

1. Duty Cycle

1.1 Test Result

1.1.1 Ant5

Ant5									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11a	MIMO	5180	/	/	2.097	2.114	99.20	0.04	0.00
		5200	/	/	2.097	2.114	99.20	0.04	0.00
		5240	/	/	2.098	2.113	99.29	0.03	0.00
		5260	/	/	2.097	2.114	99.20	0.04	0.03
		5300	/	/	2.098	2.115	99.20	0.04	0.03
		5320	/	/	2.097	2.114	99.20	0.04	0.00
		5500	/	/	2.097	2.114	99.20	0.04	0.03
		5580	/	/	2.097	2.114	99.20	0.04	0.03
		5700	/	/	2.097	2.114	99.20	0.04	0.00
		5745	/	/	2.097	2.114	99.20	0.04	0.00
		5785	/	/	2.097	2.114	99.20	0.04	0.03
		5825	/	/	2.097	2.114	99.20	0.04	0.00
		5720	/	/	2.097	2.112	99.29	0.03	0.03
802.11n (HT20)	MIMO	5180	/	/	5.428	5.445	99.69	0.01	0.03
		5200	/	/	5.429	5.445	99.71	0.01	0.03
		5240	/	/	5.429	5.445	99.71	0.01	0.03
		5260	/	/	5.428	5.445	99.69	0.01	0.03
		5300	/	/	5.428	5.445	99.69	0.01	0.00
		5320	/	/	5.428	5.446	99.67	0.01	0.04
		5500	/	/	5.428	5.446	99.67	0.01	0.04
		5580	/	/	5.428	5.446	99.67	0.01	0.04
		5700	/	/	5.428	5.445	99.69	0.01	0.03
		5745	/	/	5.428	5.446	99.67	0.01	0.04
		5785	/	/	5.429	5.445	99.71	0.01	0.03
		5825	/	/	5.429	5.446	99.69	0.01	0.00
		5720	/	/	5.428	5.445	99.69	0.01	0.03
802.11n (HT40)	MIMO	5190	/	/	5.428	5.446	99.67	0.01	0.04
		5230	/	/	5.428	5.445	99.69	0.01	0.03
		5270	/	/	5.428	5.446	99.67	0.01	0.04
		5310	/	/	5.428	5.446	99.67	0.01	0.04
		5510	/	/	5.428	5.446	99.67	0.01	0.04
		5550	/	/	5.428	5.446	99.67	0.01	0.04
		5670	/	/	5.428	5.446	99.67	0.01	0.04
		5755	/	/	5.428	5.446	99.67	0.01	0.04
		5795	/	/	5.428	5.446	99.67	0.01	0.04
		5710	/	/	5.428	5.445	99.69	0.01	0.00
802.11ac (VHT20)	MIMO	5180	/	/	5.428	5.446	99.67	0.01	0.04
		5200	/	/	5.428	5.446	99.67	0.01	0.04
		5240	/	/	5.428	5.445	99.69	0.01	0.00

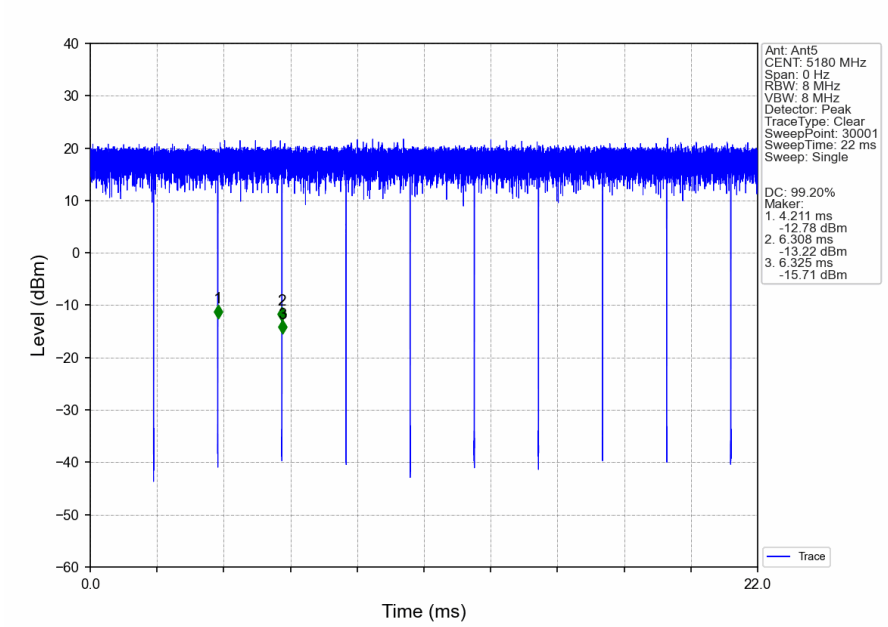
		5260	/	/	5.428	5.445	99.69	0.01	0.03
		5300	/	/	5.428	5.446	99.67	0.01	0.04
		5320	/	/	5.429	5.445	99.71	0.01	0.03
		5500	/	/	5.428	5.445	99.69	0.01	0.03
		5580	/	/	5.428	5.445	99.69	0.01	0.03
		5700	/	/	5.428	5.446	99.67	0.01	0.04
		5745	/	/	5.428	5.446	99.67	0.01	0.04
		5785	/	/	5.428	5.446	99.67	0.01	0.04
		5825	/	/	5.428	5.446	99.67	0.01	0.04
		5720	/	/	5.428	5.445	99.69	0.01	0.03
802.11ac (VHT40)	MIMO	5190	/	/	5.428	5.446	99.67	0.01	0.04
		5230	/	/	5.428	5.446	99.67	0.01	0.04
		5270	/	/	5.428	5.446	99.67	0.01	0.04
		5310	/	/	5.428	5.445	99.69	0.01	0.03
		5510	/	/	5.428	5.446	99.67	0.01	0.04
		5550	/	/	5.428	5.446	99.67	0.01	0.04
		5670	/	/	5.428	5.446	99.67	0.01	0.04
		5755	/	/	5.428	5.445	99.69	0.01	0.03
		5795	/	/	5.429	5.446	99.69	0.01	0.03
		5710	/	/	5.428	5.445	99.69	0.01	0.03
802.11ac (VHT80)	MIMO	5210	/	/	5.428	5.446	99.67	0.01	0.04
		5290	/	/	5.428	5.444	99.71	0.01	0.00
		5530	/	/	5.430	5.446	99.71	0.01	0.00
		5610	/	/	5.428	5.445	99.69	0.01	0.03
		5775	/	/	5.428	5.445	99.69	0.01	0.03
		5690	/	/	5.428	5.446	99.67	0.01	0.04
802.11ac (VHT160)	MIMO	5570	/	/	5.428	5.446	99.67	0.01	0.04
		5250	/	/	5.428	5.445	99.69	0.01	0.03
802.11ax (HEW20)	MIMO	5180	SU	/	5.445	5.464	99.65	0.02	0.03
		5200	SU	/	5.444	5.462	99.67	0.01	0.04
		5240	SU	/	5.444	5.462	99.67	0.01	0.04
		5260	SU	/	5.444	5.462	99.67	0.01	0.04
		5300	SU	/	5.444	5.462	99.67	0.01	0.04
		5320	SU	/	5.445	5.463	99.67	0.01	0.03
		5500	SU	/	5.446	5.464	99.67	0.01	0.04
		5580	SU	/	5.445	5.464	99.65	0.02	0.03
		5700	SU	/	5.445	5.464	99.65	0.02	0.03
		5745	SU	/	5.445	5.463	99.67	0.01	0.03
		5785	SU	/	5.444	5.462	99.67	0.01	0.04
		5825	SU	/	5.444	5.462	99.67	0.01	0.04
		5720	SU	/	5.444	5.462	99.67	0.01	0.04
802.11ax (HEW40)	MIMO	5190	SU	/	5.444	5.462	99.67	0.01	0.04
		5230	SU	/	5.445	5.463	99.67	0.01	0.03
		5270	SU	/	5.445	5.464	99.65	0.02	0.03
		5310	SU	/	5.445	5.464	99.65	0.02	0.03
		5510	SU	/	5.445	5.463	99.67	0.01	0.03
		5550	SU	/	5.445	5.464	99.65	0.02	0.03
		5670	SU	/	5.444	5.462	99.67	0.01	0.04
		5755	SU	/	5.444	5.462	99.67	0.01	0.04
		5795	SU	/	5.445	5.463	99.67	0.01	0.03
		5710	SU	/	5.444	5.462	99.67	0.01	0.04
802.11ax (HEW80)	MIMO	5210	SU	/	5.444	5.462	99.67	0.01	0.04
		5290	SU	/	5.444	5.462	99.67	0.01	0.04
		5530	SU	/	5.444	5.462	99.67	0.01	0.04
		5610	SU	/	5.444	5.462	99.67	0.01	0.04
		5775	SU	/	5.444	5.462	99.67	0.01	0.04

		5690	SU	/	5.444	5.462	99.67	0.01	0.04
802.11ax (HEW160)	MIMO	5570	SU	/	5.444	5.462	99.67	0.01	0.04
		5250	SU	/	5.445	5.464	99.65	0.02	0.03
802.11be (EHT20)	MIMO	5180	SU	/	5.452	5.470	99.67	0.01	0.04
		5200	SU	/	5.452	5.470	99.67	0.01	0.04
		5240	SU	/	5.453	5.471	99.67	0.01	0.03
		5260	SU	/	5.452	5.471	99.65	0.02	0.03
		5300	SU	/	5.452	5.470	99.67	0.01	0.04
		5320	SU	/	5.452	5.471	99.65	0.02	0.03
		5500	SU	/	5.454	5.471	99.69	0.01	0.00
		5580	SU	/	5.452	5.470	99.67	0.01	0.04
		5700	SU	/	5.452	5.470	99.67	0.01	0.04
		5745	SU	/	5.452	5.471	99.65	0.02	0.03
		5785	SU	/	5.452	5.470	99.67	0.01	0.04
		5825	SU	/	5.452	5.470	99.67	0.01	0.04
		5720	SU	/	5.452	5.471	99.65	0.02	0.03
802.11be (EHT40)	MIMO	5190	SU	/	5.452	5.470	99.67	0.01	0.04
		5230	SU	/	5.452	5.470	99.67	0.01	0.04
		5270	SU	/	5.452	5.470	99.67	0.01	0.04
		5310	SU	/	5.452	5.470	99.67	0.01	0.04
		5510	SU	/	5.453	5.471	99.67	0.01	0.03
		5550	SU	/	5.452	5.470	99.67	0.01	0.04
		5670	SU	/	5.453	5.472	99.65	0.02	0.03
		5755	SU	/	5.453	5.471	99.67	0.01	0.03
		5795	SU	/	5.453	5.471	99.67	0.01	0.03
		5710	SU	/	5.452	5.470	99.67	0.01	0.04
802.11be (EHT80)	MIMO	5210	SU	/	5.452	5.470	99.67	0.01	0.04
		5290	SU	/	5.452	5.470	99.67	0.01	0.04
		5530	SU	/	5.452	5.470	99.67	0.01	0.04
		5610	SU	/	5.452	5.470	99.67	0.01	0.04
		5775	SU	/	5.452	5.470	99.67	0.01	0.04
		5690	SU	/	5.452	5.471	99.65	0.02	0.03
802.11be (EHT160)	MIMO	5570	SU	/	5.452	5.470	99.67	0.01	0.04
		5250	SU	/	5.452	5.470	99.67	0.01	0.04

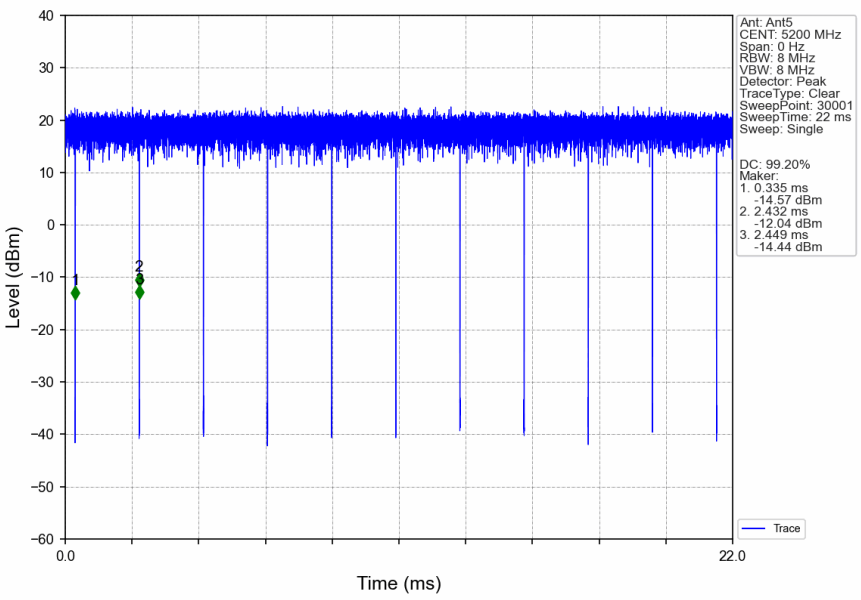
1.2 Test Graph

1.2.1 Ant5

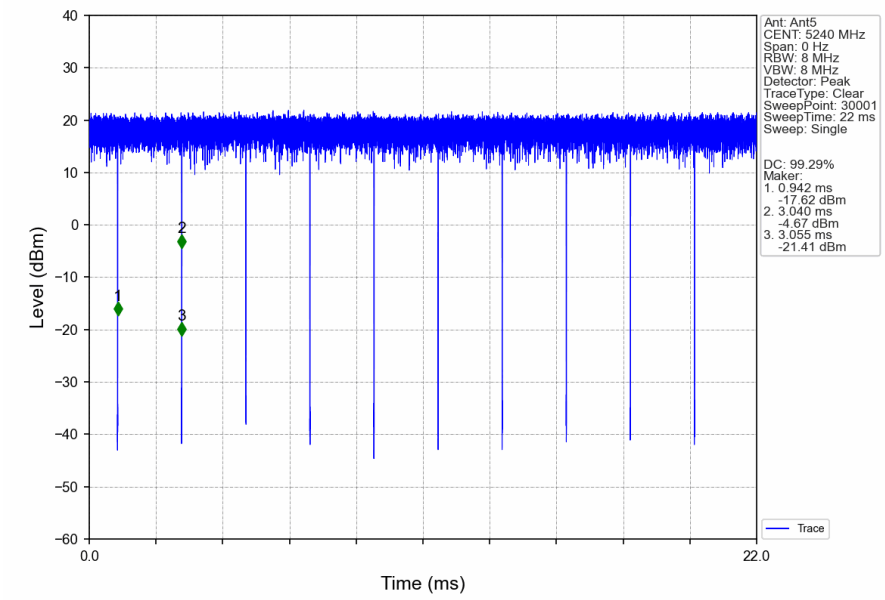
802.11a_LCH_5180MHz_Ant5_NTNV



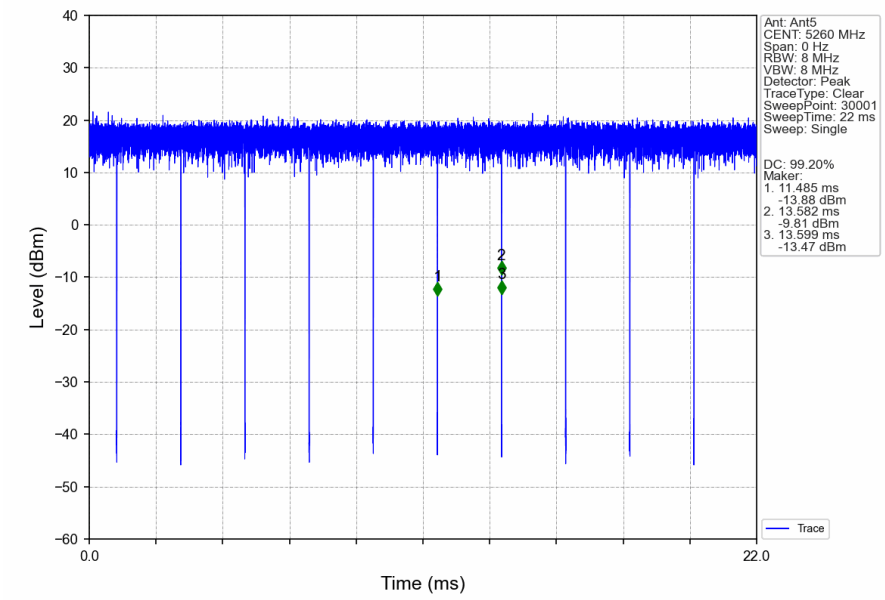
802.11a_MCH_5200MHz_Ant5_NTNV



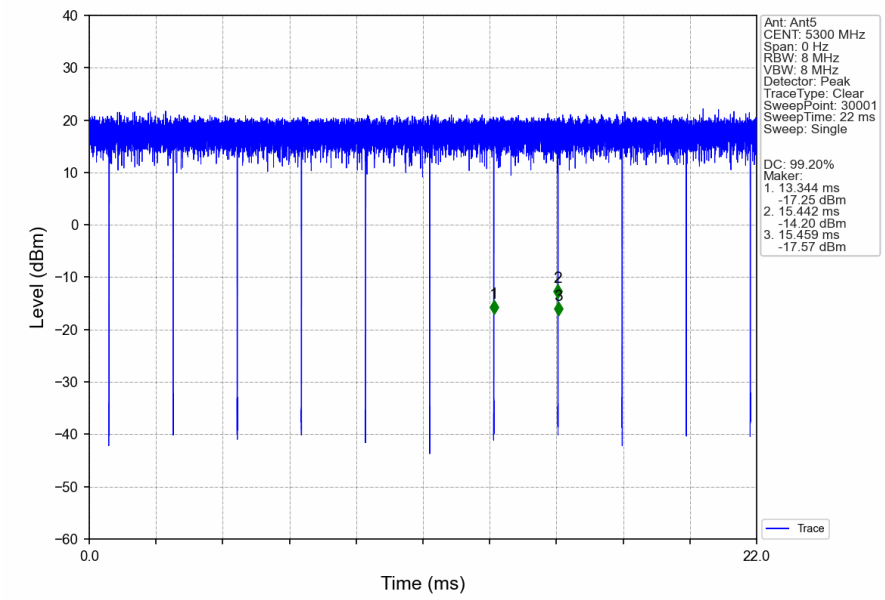
802.11a_HCH_5240MHz_Ant5_NTNV



802.11a_LCH_5260MHz_Ant5_NTNV



802.11a_MCH_5300MHz_Ant5_NTNV



802.11a_HCH_5320MHz_Ant5_NTNV