

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

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250700333702

Page: 1 of 278

TEST REPORT

Application No.: SZCR2507003337AT
Applicant: LYSORA TECHNOLOGY INC.
Address of Applicant: 8 THE GREEN, STE A, DOVER, KENT COUNTY, DELAWARE 19901, USA
Manufacturer: LYSORA TECHNOLOGY INC.
Address of Manufacturer: 8 THE GREEN, STE A, DOVER, KENT COUNTY, DELAWARE 19901, USA
Equipment Under Test (EUT):
EUT Name: Wireless Access Point
Model No.: L2542
FCC ID: 2BPSN-L2542
Standard(s) : 47 CFR Part 15, Subpart C 15.247
Date of Receipt: 2025-07-29
Date of Test: 2025-08-30 to 2025-09-16
Date of Issue: 2025-09-22

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

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



Keny Xu
EMC Laboratory Manager



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

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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2025-09-22		Original

Authorized for issue by:				
		Gebin Sun		
		Gebin Sun/Project Engineer		
		Eric Fu		
		Eric Fu/Reviewer		



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2 Test Summary

Radio Spectrum Technical Requirement				
Item	Standard	Method	Requirement	Result
Antenna Requirement	47 CFR Part 15, Subpart C 15.247	N/A	47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4)	Pass

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Conducted Emissions at AC Power Line (150kHz-30MHz)	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2020) Section 6.2	47 CFR Part 15, Subpart C 15.207	Pass
Radiated Emissions which fall in the restricted bands		ANSI C63.10 (2020) Section 6.10.5	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass
Radiated Spurious Emissions Below 1GHz		ANSI C63.10 (2020) Section 6.4,6.5	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass
Radiated Spurious Emissions Above 1GHz		ANSI C63.10 (2020) Section 6.6	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass
Conducted Average Output Power		ANSI C63.10 (2020) Section 11.9.2	47 CFR Part 15, Subpart C 15.247(b)(3)	Pass
Minimum 6dB Bandwidth		ANSI C63.10 (2020) Section 11.8.1	47 CFR Part 15, Subpart C 15.247a(2)	Pass
Power Spectrum Density		ANSI C63.10 (2020) Section 11.10.2	47 CFR Part 15, Subpart C 15.247(e)	Pass
Conducted Band Edges Measurement		ANSI C63.10 (2020) Section 6.10.4	47 CFR Part 15, Subpart C 15.247(d)	Pass
Conducted Spurious Emissions		ANSI C63.10 (2020) Section 11.11	47 CFR Part 15, Subpart C 15.247(d)	Pass



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4 General Information

4.1 Details of E.U.T.

Power supply:	12V  2.0A,PoE
Operation Frequency:	802.11b/g/n(HT20)/ax(HEW20): 2412MHz to 2462MHz, 802.11n(HT40)/ax(HEW40): 2422MHz to 2452MHz
Modulation Type:	802.11b: DSSS(CCK, DQPSK, DBPSK) 802.11 g/n: OFDM(16QAM, 64QAM, QPSK, BPSK) 802.11 ax: OFDMA(16QAM, 64QAM, 256QAM, 1024QAM, QPSK, BPSK)
Channel Spacing:	5MHz
Number of Channels:	802.11b/g/n(HT20)/ax(HEW20): 11 802.11n(HT40)/ax(HEW40):7
Antenna Type:	PIFA Antenna
Antenna A Gain:	Ant1: 3.14dBi Ant2: 3.53dBi
Antenna B Gain:	Ant1: 4.29dBi Ant2: 3.57dBi
Remark:	There are two models of antennas (A and B) that are tested separately with the EUT.Only the worst case data was recorded in this report.

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.
Adapter	supplied by SGS	DC12V	N/A
RF cable	supplied by SGS	N/A(cable loss:0.6dB)	REF. No.SEL000089



4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Emissions at AC Power Line (150kHz-30MHz)	$\pm 3.1\text{dB}$
Radiated Emissions which fall in the restricted bands	$\pm 6.0\text{dB}$ (Below 1GHz); $\pm 4.6\text{dB}$ (Above 1GHz)
Radiated Spurious Emissions Below 1GHz	$\pm 6.0\text{dB}$ for 3m; $\pm 5.0\text{dB}$ for 10m
Radiated Spurious Emissions Above 1GHz	$\pm 4.6\text{dB}$ (1-18GHz); $\pm 4.8\text{dB}$ (18-40GHz)
Conducted Average Output Power	$\pm 0.75\text{dB}$
Minimum 6dB Bandwidth	$\pm 3\%$
Power Spectrum Density	$\pm 2.84\text{dB}$
Conducted Band Edges Measurement	$\pm 0.75\text{dB}$
Conducted Spurious Emissions	$\pm 0.75\text{dB}$

Remark:

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

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



4.4 Test Location

All tests were performed at:

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

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

No tests were sub-contracted.

4.5 Test Facility

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

• A2LA (Certificate No. 3816.01)

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

• VCCI (Member No. 1937)

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

• FCC –Designation Number: CN1336

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

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

• Innovation, Science and Economic Development Canada

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

CAB identifier: CN0006.

IC#: 4620C.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



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	2025-05-07	2028-05-06
EMI Test Receiver	Rohde&Schwarz	ESR	SZ-WRG-M-047	2025-01-08	2026-01-07
Measurement Software	AUDIX	e3 V8.2014-6-27a	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM024-01	2025-07-05	2026-07-04
LISN	Rohde&Schwarz	ENV216	SEM007-01	2025-07-25	2026-07-24
LISN	ETS-LINDGREN	3816/2	SEM007-02	2025-03-03	2026-03-02

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
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	2025-07-23	2026-07-22

Radiated Spurious 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	2025-07-25	2026-07-24
BiConiLog Antenna	ETS-LINDGREN	3142C	SEM003-01	2025-08-29	2027-08-28
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	2025-07-05	2026-07-04



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Radiated Spurious 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	2025-07-23	2026-07-22

RF Conducted Test					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Power Sensor	TST PASS	TSPS2023R	SEM009-26	2025-03-04	2026-03-03
Power Sensor	KEYSIGHT	U2021XA	SEM009-16	2025-03-04	2026-03-03
DC Power Supply	Chroma	62012P-80-60	SEM011-11	2025-07-24	2026-07-23
MXA Signal Analyzer	KEYSIGHT	N9020A	SEM004-19	2025-03-04	2026-03-03
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2025-07-05	2026-07-04
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2025-03-03	2026-03-02

General used equipment					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	deli	8838	SEM002-32	2025-07-23	2026-07-22
Humidity/ Temperature Indicator	deli	8838	SEM002-33	2025-07-23	2026-07-22
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2025-03-03	2026-03-02



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6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4)

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 device uses nondetachable antennas and no consideration of replacement. The best case gain of the antenna was showed as below.

For Antenna A: Ant1: 3.14dBi; Ant2: 3.53dBi

For Antenna B: Ant1: 4.29dBi; Ant2: 3.57dBi

The EUT supports CDD, and all antenna gains are not equal, according to KDB662911 D01 2) f) (iii) guidelines:

Directional gain = $G_{ANT} + \text{Array Gain}$

the Directional gain = 3.53dBi ($N_{ANT} \leq 4$, Array Gain=0dB) for Antenna A

the Directional gain = 4.29dBi ($N_{ANT} \leq 4$, Array Gain=0dB) for Antenna B

Antenna location: Refer to internal photos



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

Test Method: ANSI C63.10 (2020) 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.		
Detector: Peak for pre-scan (9kHz resolution bandwidth) 0.15M to 30MHz		

7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 25.3 °C

Humidity: 40.5 % RH

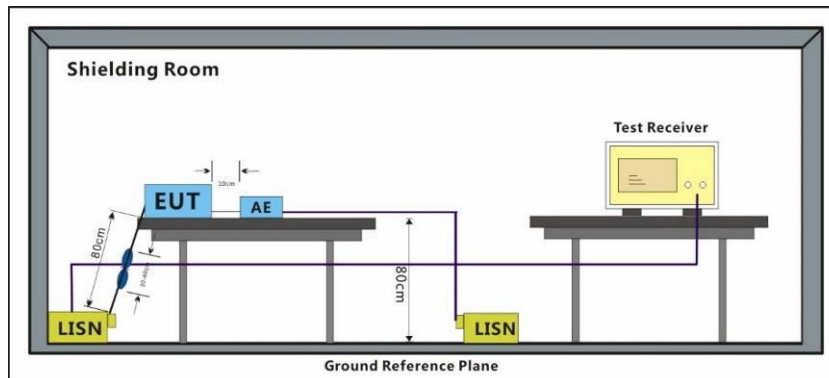
Atmospheric Pressure: 1020 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT(with Antenna B) in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40). Only the data of worst case is recorded in the report.
Pre-scan	01	TX mode_Keep the EUT(with Antenna A) in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40). 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
- 2) Through pre-scan found the worst case is the lowest channel. Only the worst case is recorded in the report.



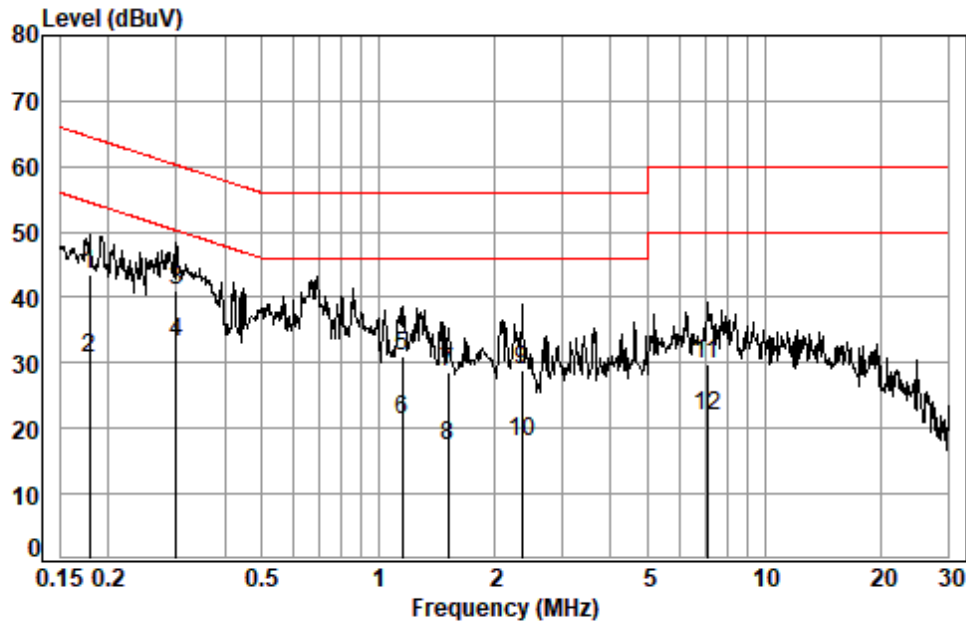
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250700333702

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Test Mode: 00; Line: Live line



Site : Shielding Room
Condition: Line
Job No. : 03337AT/03338AT
Test mode: 00

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1787	0.06	10.15	33.16	43.37	64.55	-21.18	QP
2	0.1787	0.06	10.15	20.54	30.75	54.55	-23.80	Average
3 *	0.3003	0.07	9.85	31.22	41.14	60.24	-19.10	QP
4 *	0.3003	0.07	9.85	23.19	33.11	50.24	-17.13	Average
5	1.1534	0.10	9.58	21.40	31.08	56.00	-24.92	QP
6	1.1534	0.10	9.58	11.76	21.44	46.00	-24.56	Average
7	1.5193	0.11	9.58	18.92	28.61	56.00	-27.39	QP
8	1.5193	0.11	9.58	7.75	17.44	46.00	-28.56	Average
9	2.3585	0.12	9.61	19.25	28.98	56.00	-27.02	QP
10	2.3585	0.12	9.61	8.17	17.90	46.00	-28.10	Average
11	7.0997	0.16	9.68	20.08	29.92	60.00	-30.08	QP
12	7.0997	0.16	9.68	12.09	21.93	50.00	-28.07	Average



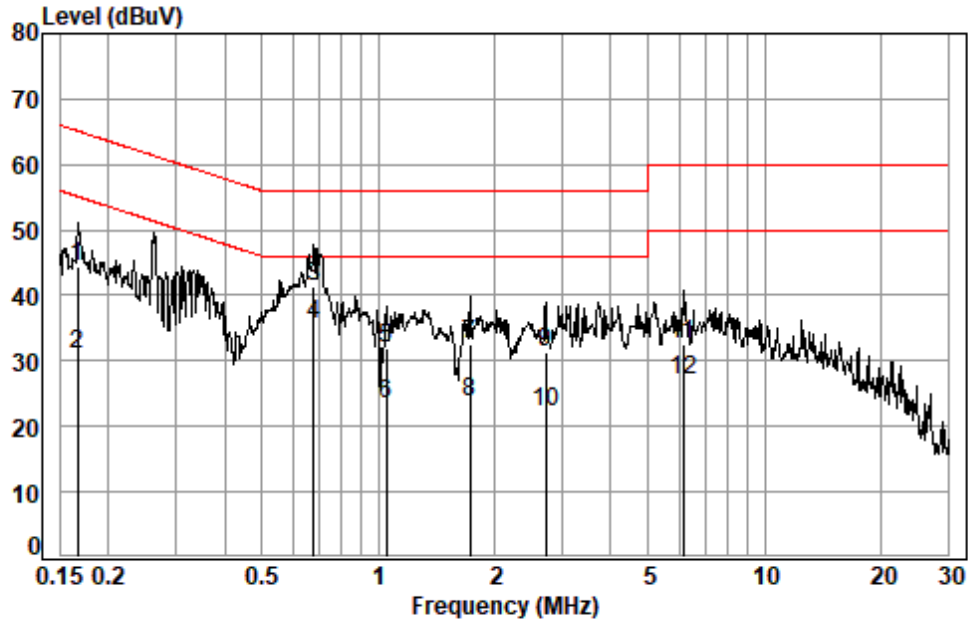
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Laboratory

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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

Test Mode: 00; Line: Neutral Line



Site : Shielding Room
Condition: Neutral
Job No. : 03337AT/03338AT
Test mode: 00

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.1668	0.05	10.12	34.10	44.27	65.12	-20.85	QP
2	0.1668	0.05	10.12	20.82	30.99	55.12	-24.13	Average
3 *	0.6790	0.09	9.66	31.57	41.32	56.00	-14.68	QP
4 *	0.6790	0.09	9.66	25.90	35.65	46.00	-10.35	Average
5	1.0485	0.10	9.54	22.22	31.86	56.00	-24.14	QP
6	1.0485	0.10	9.54	13.83	23.47	46.00	-22.53	Average
7	1.7253	0.11	9.55	22.84	32.50	56.00	-23.50	QP
8	1.7253	0.11	9.55	13.94	23.60	46.00	-22.40	Average
9	2.7068	0.12	9.54	21.80	31.46	56.00	-24.54	QP
10	2.7068	0.12	9.54	12.45	22.11	46.00	-23.89	Average
11	6.1534	0.15	9.62	22.93	32.70	60.00	-27.30	QP
12	6.1534	0.15	9.62	17.44	27.21	50.00	-22.79	Average



7.2 Radiated Emissions which fall in the restricted bands

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2020) Section 6.10.5

Measurement Distance: 3m

Limit:

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

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.

7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 22.7 °C

Humidity: 51.0 % RH

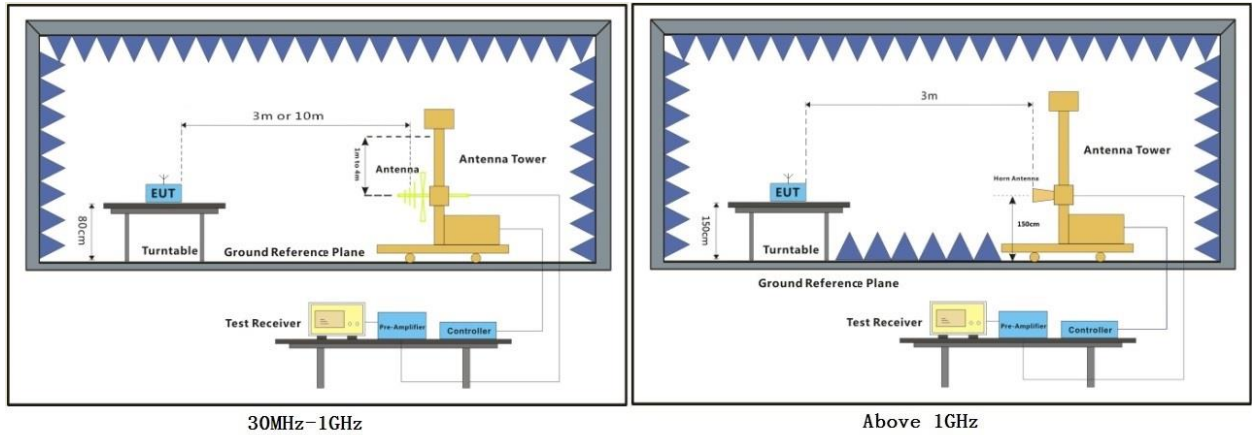
Atmospheric Pressure: 1020 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT(with Antenna B) in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40). Only the data of worst case is recorded in the report.
Final test	01	TX mode_Keep the EUT(with Antenna A) in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40). Only the data of worst case is recorded in the report.



7.2.3 Test Setup Diagram



7.2.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 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

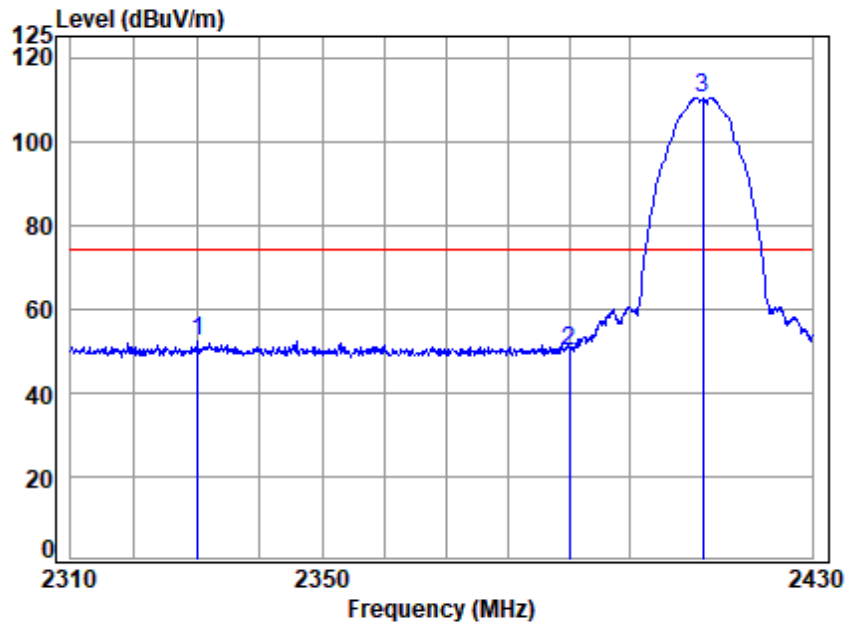
Remark 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

Remark 3: 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 4: For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle < 98%) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

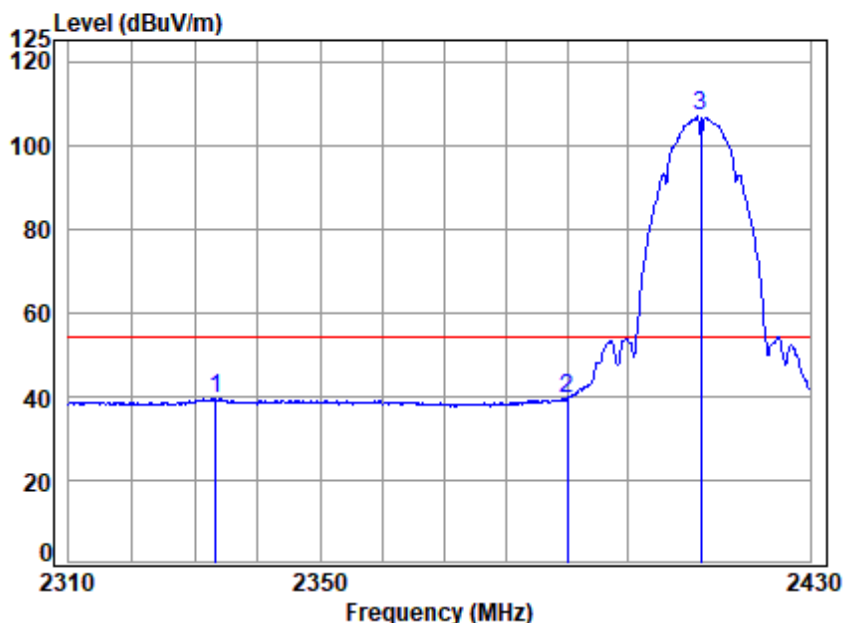
Mode : 2412 Band edge

: 2.4G Wi-Fi 11B

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2330.092	6.80	27.26	31.53	49.75	52.28	74.00	-21.72	peak
2	2390.000	6.83	27.46	31.54	47.19	49.94	74.00	-24.06	peak
3	2412.000	6.91	27.52	31.54	107.37	110.26	74.00	36.26	peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

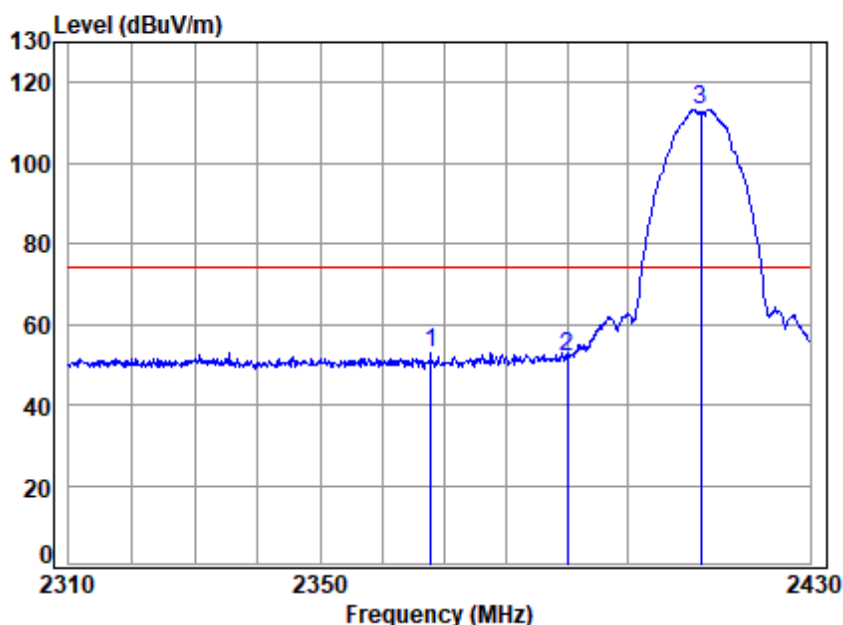
Mode : 2412 Band edge

: 2.4G Wi-Fi 11B

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 2333.398	6.80	27.27	31.53	36.82	39.36	54.00	-14.64	Average
2 2390.000	6.83	27.46	31.54	36.55	39.30	54.00	-14.70	Average
3 pp 2412.000	6.91	27.52	31.54	103.83	106.72	54.00	52.72	Average



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

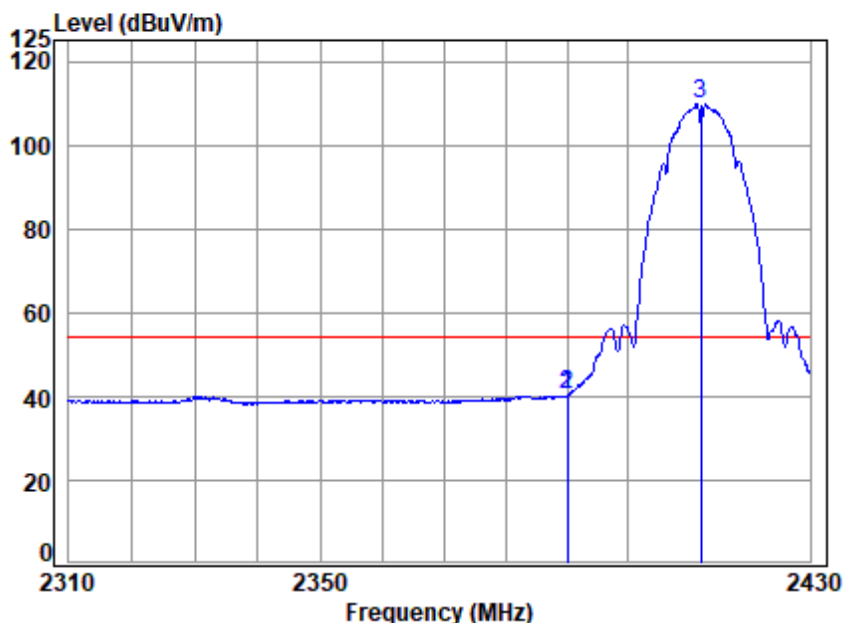
Mode : 2412 Band edge

: 2.4G Wi-Fi 11B

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 2367.801	6.81	27.37	31.54	50.23	52.87	74.00	-21.13	Peak
2 2390.000	6.83	27.46	31.54	49.12	51.87	74.00	-22.13	Peak
3 pp 2412.000	6.91	27.52	31.54	110.32	113.21	74.00	39.21	Peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

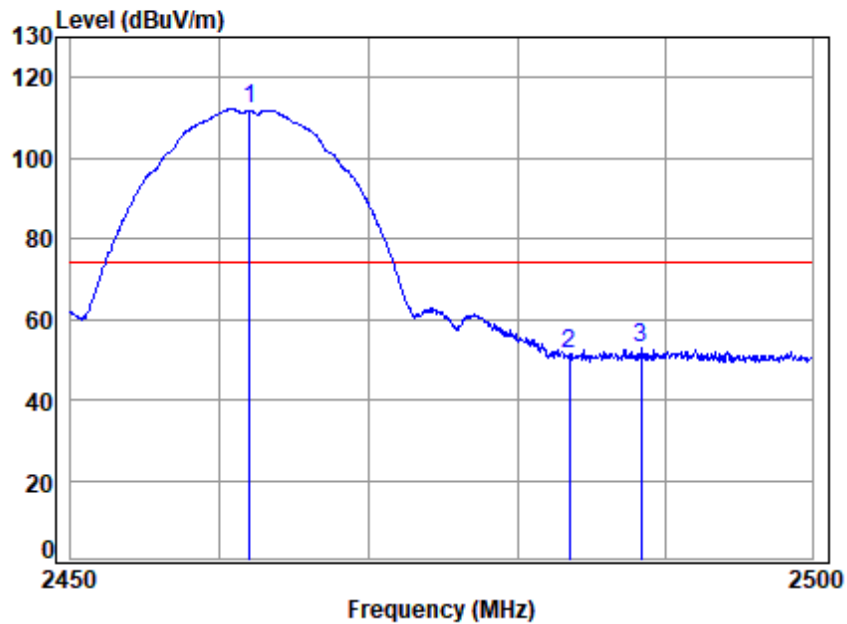
Mode : 2412 Band edge

: 2.4G Wi-Fi 11B

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.968	6.83	27.46	31.54	37.72	40.47	54.00	-13.53 Average
2	2390.000	6.83	27.46	31.54	37.72	40.47	54.00	-13.53 Average
3 pp	2412.000	6.91	27.52	31.54	106.71	109.60	54.00	55.60 Average



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



Condition: 3m HORIZONTAL

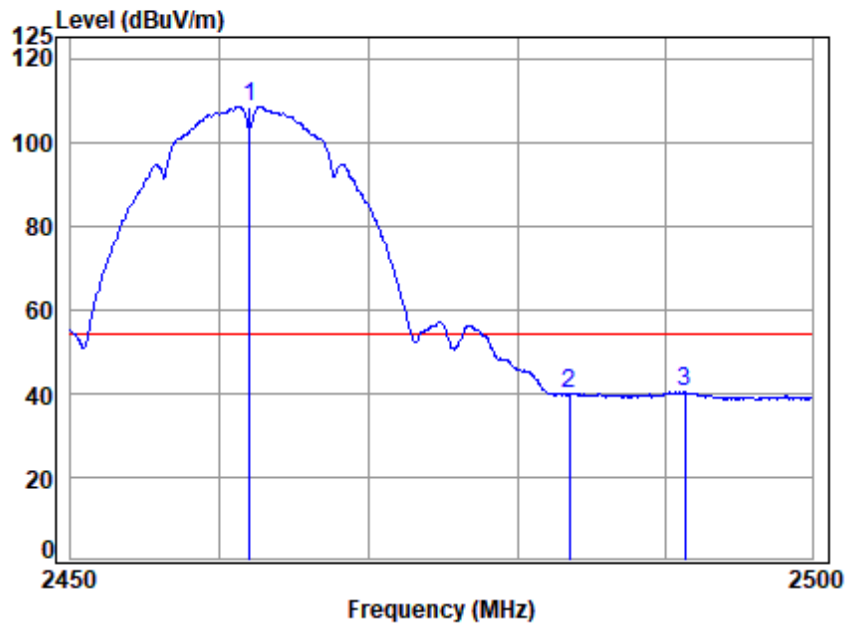
Job No : 03337AT/03338AT

Mode : 2462 Band edge
: 2.4G Wi-Fi 11B

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	7.25	27.67	31.55	108.69	112.06	74.00	38.06	peak
2	2483.500	7.40	27.80	31.55	47.68	51.33	74.00	-22.67	peak
3	2488.360	7.43	27.83	31.55	49.07	52.78	74.00	-21.22	peak



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



Condition: 3m HORIZONTAL

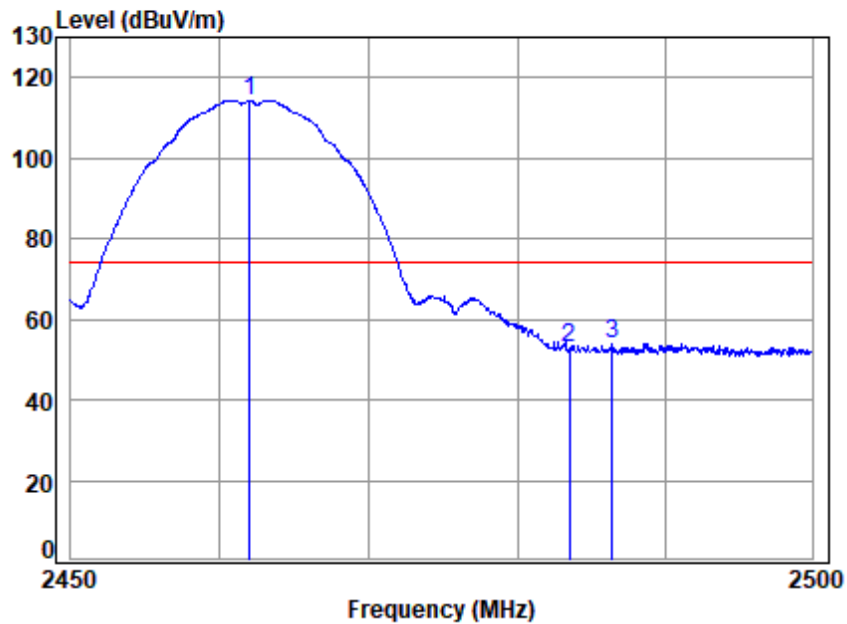
Job No : 03337AT/03338AT

Mode : 2462 Band edge
: 2.4G Wi-Fi 11B

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp 2462.000	7.25	27.67	31.55	105.15	108.52	54.00	54.52	Average
2 2483.500	7.40	27.80	31.55	36.22	39.87	54.00	-14.13	Average
3 2491.328	7.45	27.85	31.55	36.54	40.29	54.00	-13.71	Average



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

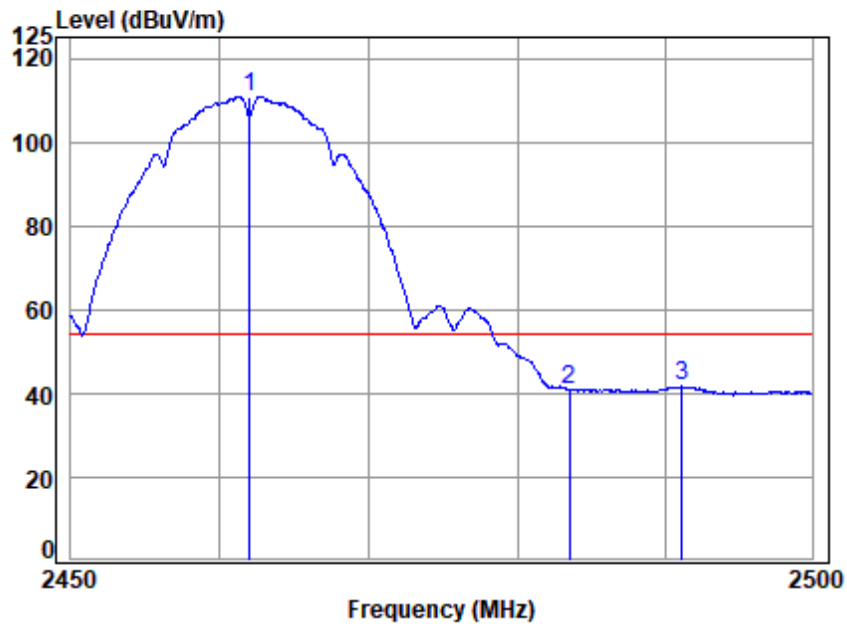
Mode : 2462 Band edge

: 2.4G Wi-Fi 11B

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	7.25	27.67	31.55	111.01	114.38	74.00	40.38	Peak
2	2483.500	7.40	27.80	31.55	49.37	53.02	74.00	-20.98	Peak
3	2486.450	7.42	27.82	31.55	50.43	54.12	74.00	-19.88	Peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

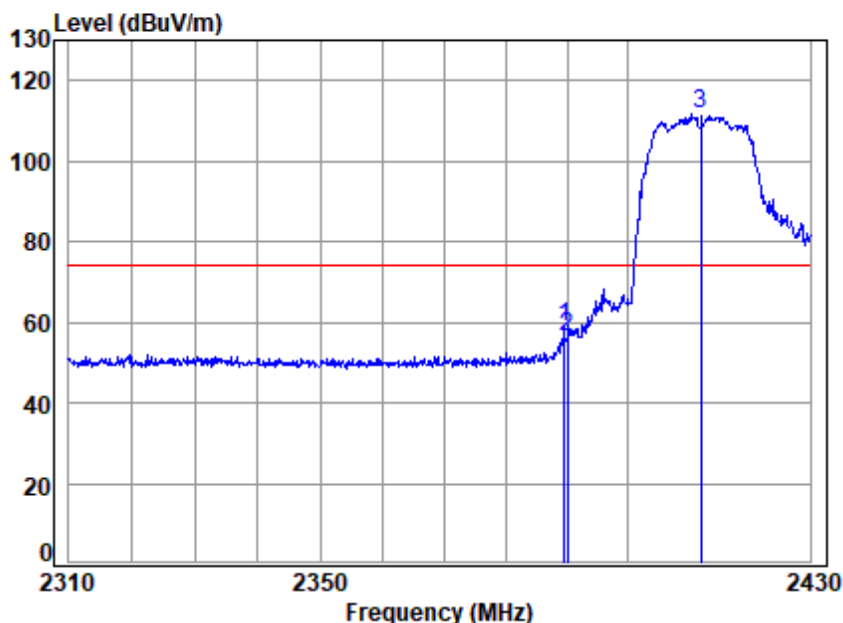
Mode : 2462 Band edge

: 2.4G Wi-Fi 11B

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp 2462.000	7.25	27.67	31.55	107.52	110.89	54.00	56.89	Average
2 2483.500	7.40	27.80	31.55	37.37	41.02	54.00	-12.98	Average
3 2491.127	7.45	27.85	31.55	37.87	41.62	54.00	-12.38	Average



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

Mode : 2412 Band edge

: 2.4G Wi-Fi 11G

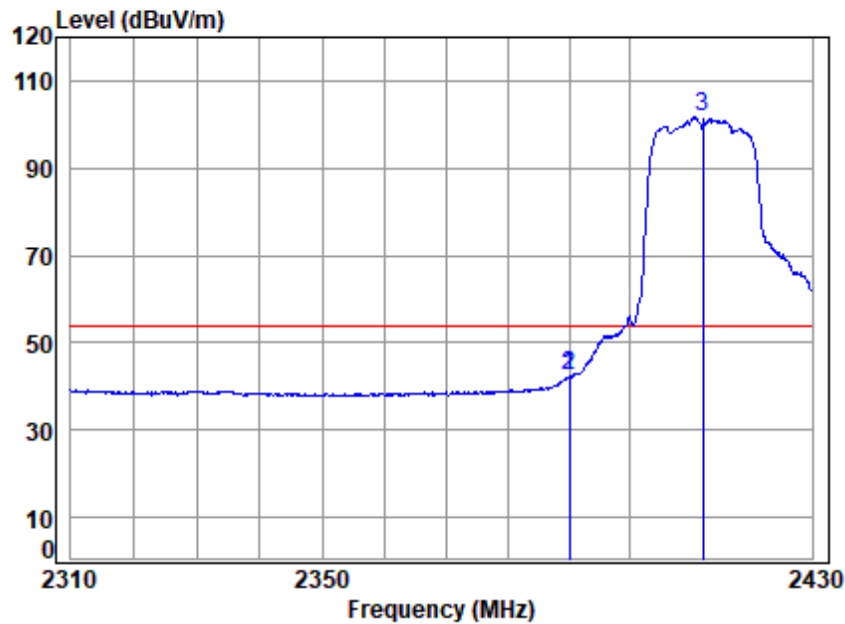
		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.484	6.82	27.46	31.54	56.20	58.94	74.00	-15.06	peak
2	2390.000	6.83	27.46	31.54	53.61	56.36	74.00	-17.64	peak
3 pp	2412.000	6.91	27.52	31.54	108.68	111.57	74.00	37.57	peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

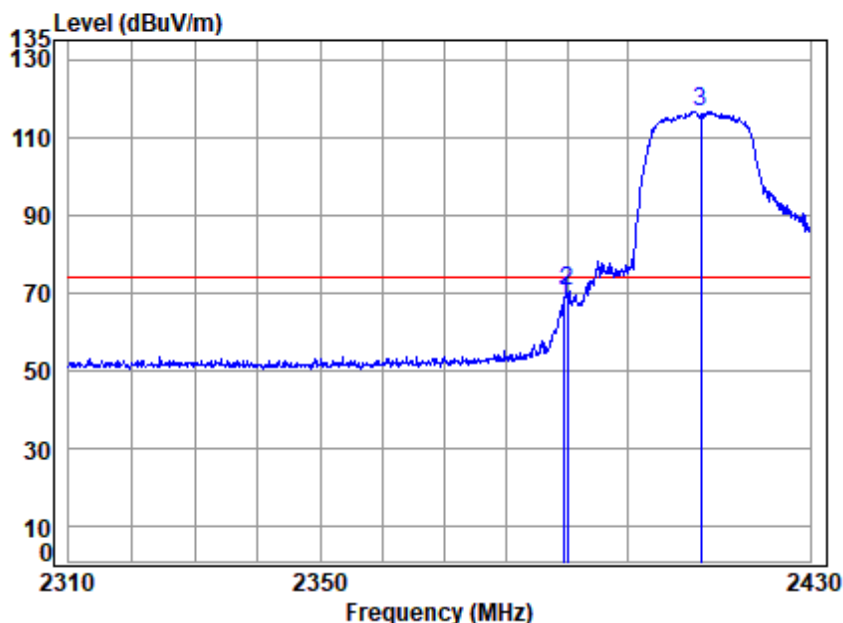
Mode : 2412 Band edge

: 2.4G Wi-Fi 11G

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 2389.968	6.83	27.46	31.54	39.51	42.26	54.00	-11.74	Average
2 2390.000	6.83	27.46	31.54	39.51	42.26	54.00	-11.74	Average
3 pp 2412.000	6.91	27.52	31.54	98.84	101.73	54.00	47.73	Average



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

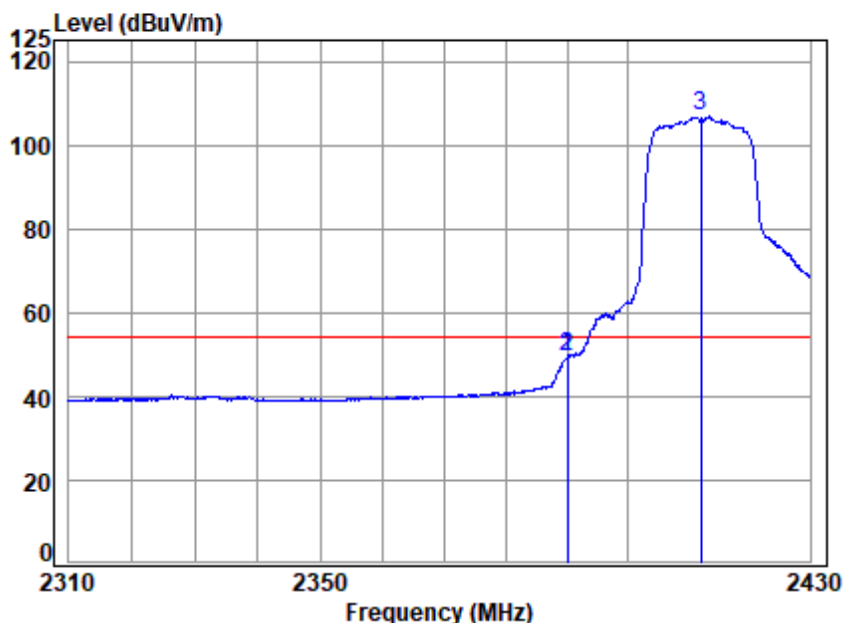
Mode : 2412 Band edge

: 2.4G Wi-Fi 11G

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 2389.605	6.82	27.46	31.54	64.80	67.54	74.00	-6.46 Peak
2 2390.000	6.83	27.46	31.54	67.77	70.52	74.00	-3.48 Peak
3 pp 2412.000	6.91	27.52	31.54	113.82	116.71	74.00	42.71 Peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

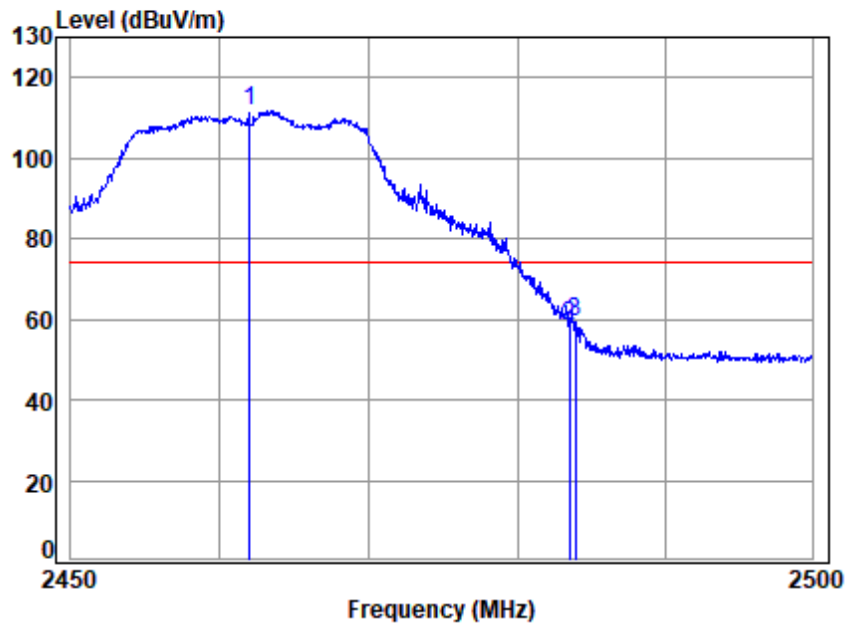
Mode : 2412 Band edge

: 2.4G Wi-Fi 11G

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 2389.968	6.83	27.46	31.54	46.68	49.43	54.00	-4.57	Average
2 2390.000	6.83	27.46	31.54	46.68	49.43	54.00	-4.57	Average
3 pp 2412.000	6.91	27.52	31.54	103.82	106.71	54.00	52.71	Average



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



Condition: 3m HORIZONTAL

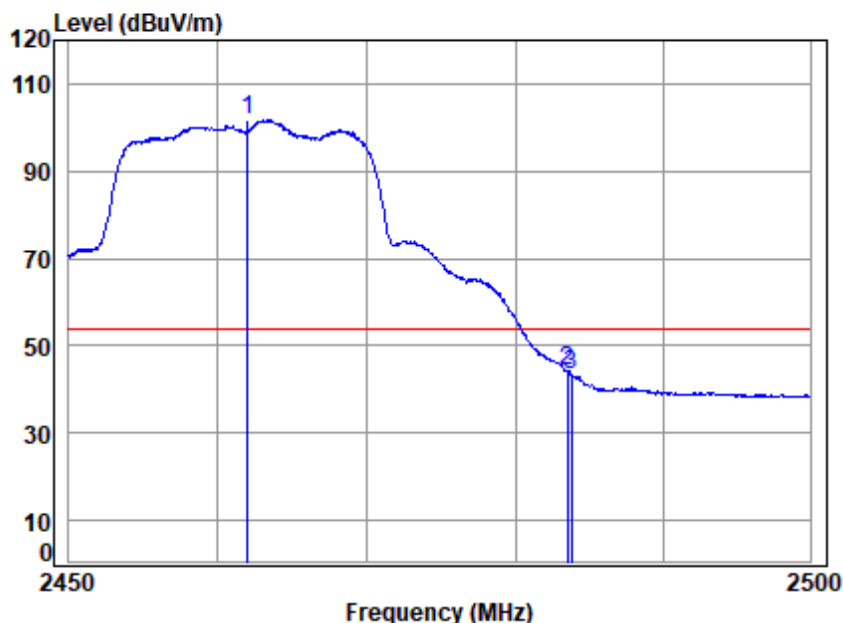
Job No : 03337AT/03338AT

Mode : 2462 Band edge
: 2.4G Wi-Fi 11G

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	7.25	27.67	31.55	108.44	111.81	74.00	37.81	peak
2	2483.500	7.40	27.80	31.55	54.57	58.22	74.00	-15.78	peak
3	2483.940	7.40	27.80	31.55	55.62	59.27	74.00	-14.73	peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

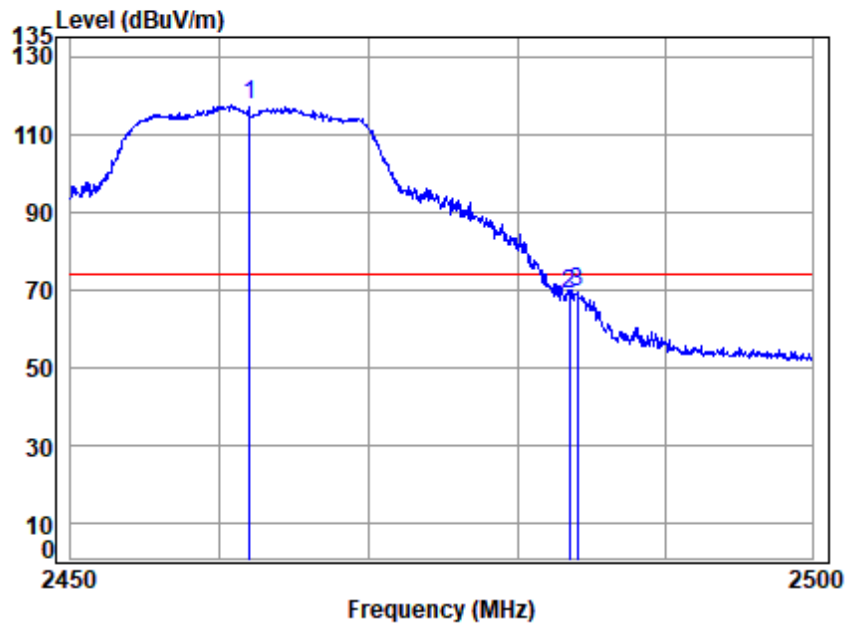
Mode : 2462 Band edge

: 2.4G Wi-Fi 11G

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	7.25	27.67	31.55	98.27	101.64	54.00	47.64	Average
2	2483.500	7.40	27.80	31.55	40.67	44.32	54.00	-9.68	Average
3	2483.790	7.40	27.80	31.55	39.71	43.36	54.00	-10.64	Average



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

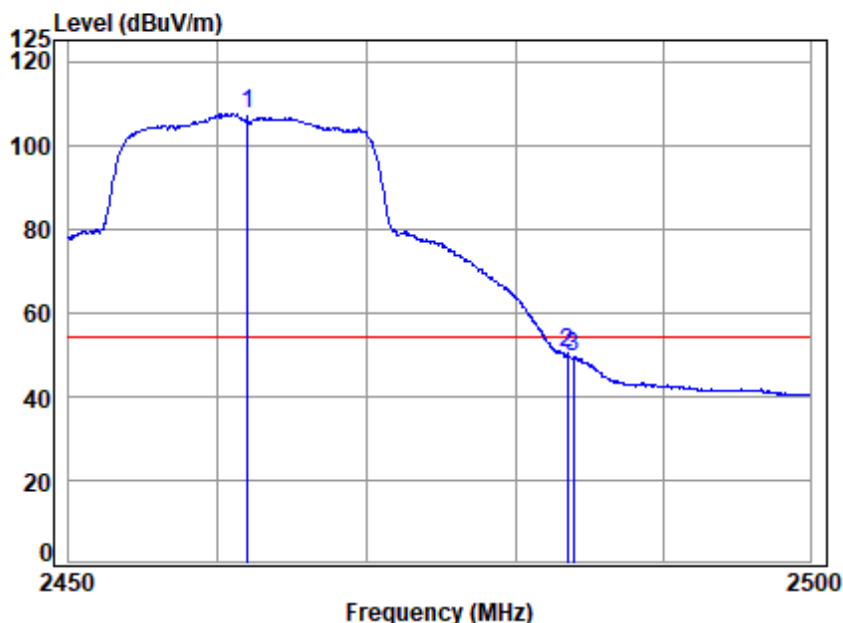
Mode : 2462 Band edge

: 2.4G Wi-Fi 11G

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp 2462.000	7.25	27.67	31.55	114.09	117.46	74.00	43.46	Peak
2 2483.500	7.40	27.80	31.55	65.29	68.94	74.00	-5.06	Peak
3 2484.041	7.40	27.80	31.55	65.58	69.23	74.00	-4.77	Peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

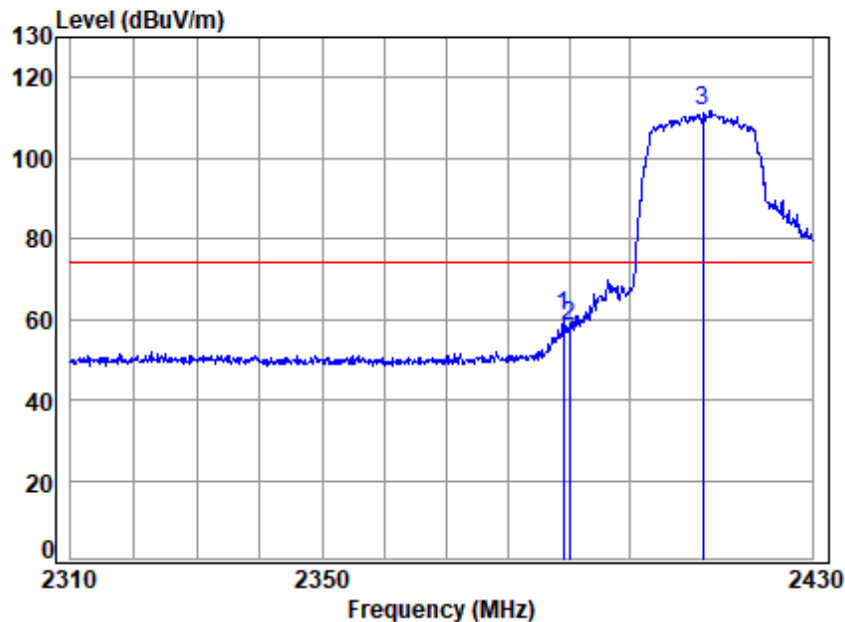
Mode : 2462 Band edge

: 2.4G Wi-Fi 11G

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	7.25	27.67	31.55	104.03	107.40	54.00	53.40	Average
2	2483.500	7.40	27.80	31.55	46.53	50.18	54.00	-3.82	Average
3	2483.940	7.40	27.80	31.55	45.68	49.33	54.00	-4.67	Average



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

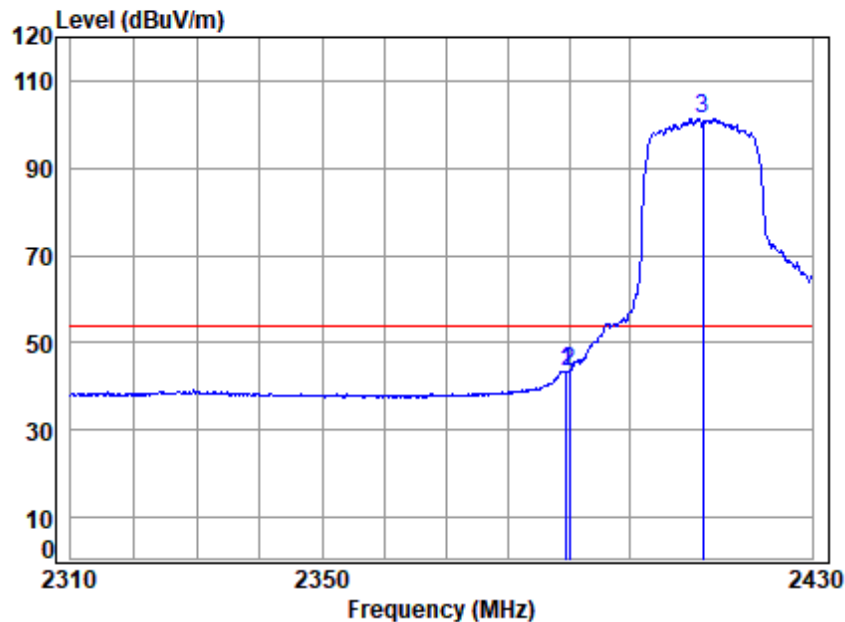
Mode : 2412 Band edge

: 2.4G Wi-Fi 11N20

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 2389.000	6.82	27.46	31.54	57.91	60.65	74.00	-13.35	peak
2 2390.000	6.83	27.46	31.54	55.50	58.25	74.00	-15.75	peak
3 pp 2412.000	6.91	27.52	31.54	108.72	111.61	74.00	37.61	peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

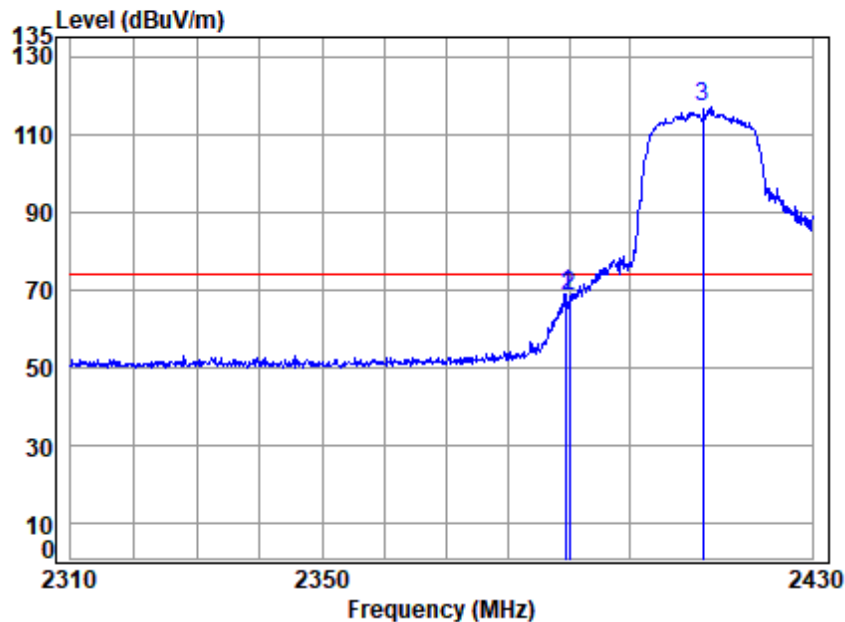
Mode : 2412 Band edge

: 2.4G Wi-Fi 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.605	6.82	27.46	31.54	40.72	43.46	54.00	-10.54	Average
2	2390.000	6.83	27.46	31.54	40.67	43.42	54.00	-10.58	Average
3 pp	2412.000	6.91	27.52	31.54	98.61	101.50	54.00	47.50	Average



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

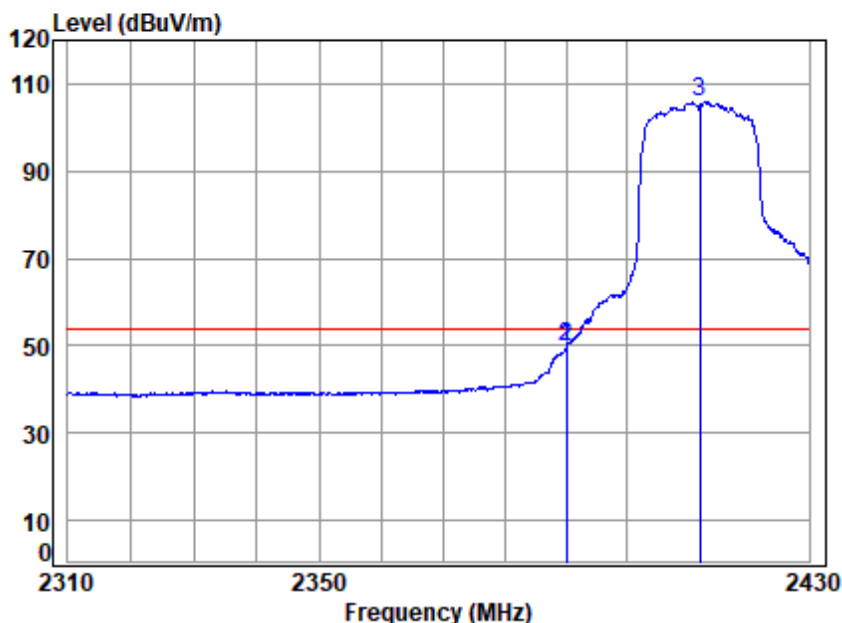
Mode : 2412 Band edge

: 2.4G Wi-Fi 11N20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 2389.484	6.82	27.46	31.54	66.03	68.77	74.00	-5.23	Peak
2 2390.000	6.83	27.46	31.54	65.33	68.08	74.00	-5.92	Peak
3 pp 2412.000	6.91	27.52	31.54	113.92	116.81	74.00	42.81	Peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

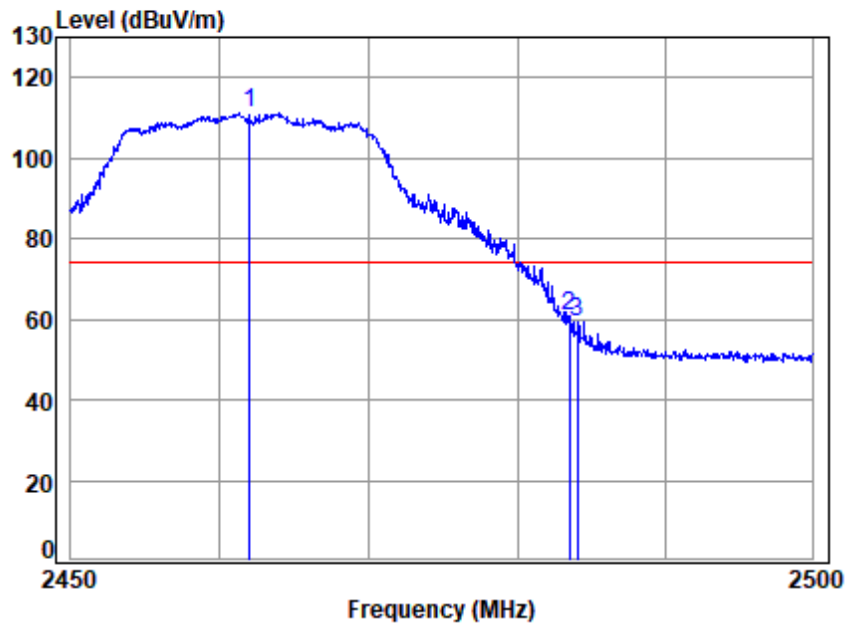
Mode : 2412 Band edge

: 2.4G Wi-Fi 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.968	6.83	27.46	31.54	46.88	49.63	54.00	-4.37	Average
2	2390.000	6.83	27.46	31.54	46.88	49.63	54.00	-4.37	Average
3 pp	2412.000	6.91	27.52	31.54	103.07	105.96	54.00	51.96	Average



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

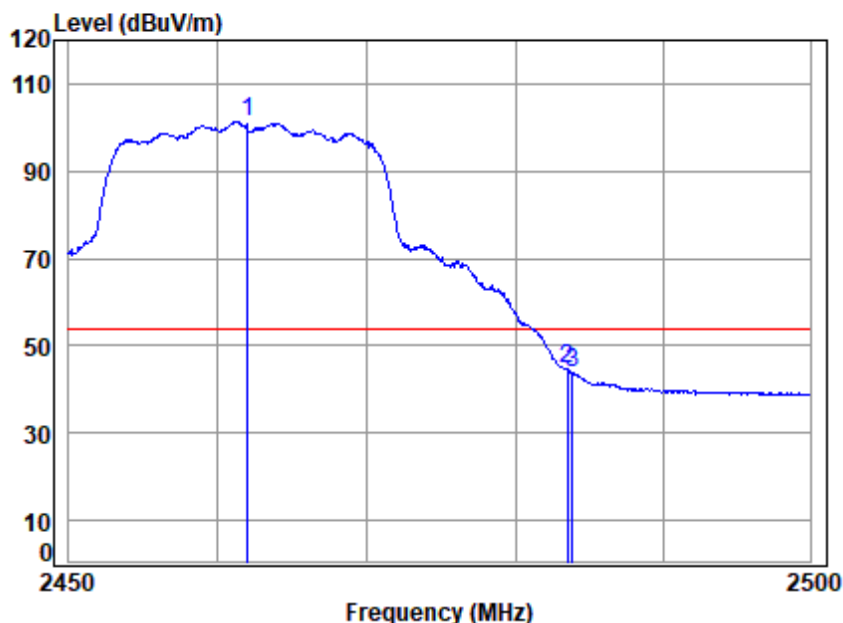
Mode : 2462 Band edge

: 2.4G Wi-Fi 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	7.25	27.67	31.55	107.82	111.19	74.00	37.19	peak
2	2483.500	7.40	27.80	31.55	57.37	61.02	74.00	-12.98	peak
3	2484.091	7.40	27.80	31.55	55.84	59.49	74.00	-14.51	peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

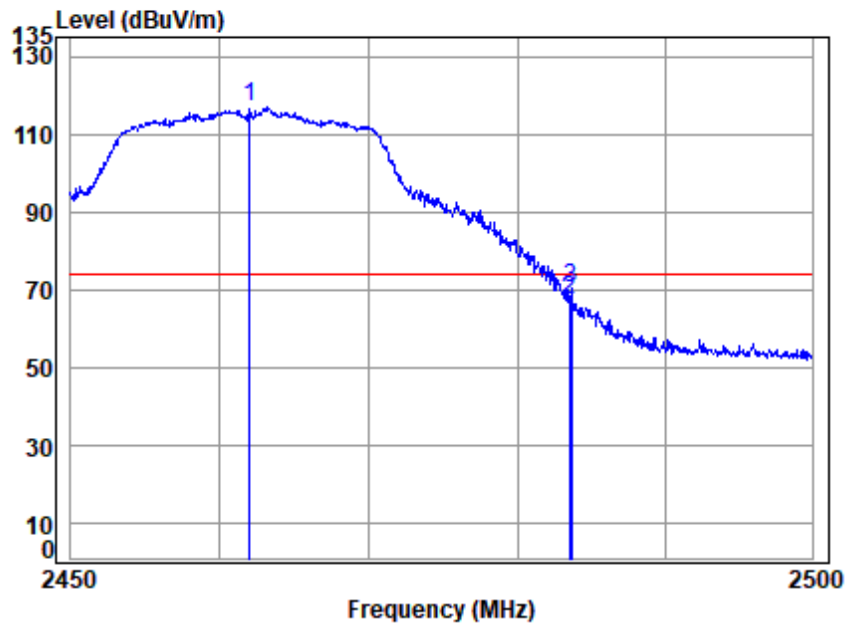
Mode : 2462 Band edge

: 2.4G Wi-Fi 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	7.25	27.67	31.55	97.97	101.34	54.00	47.34	Average
2	2483.500	7.40	27.80	31.55	40.89	44.54	54.00	-9.46	Average
3	2483.840	7.40	27.80	31.55	40.32	43.97	54.00	-10.03	Average



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

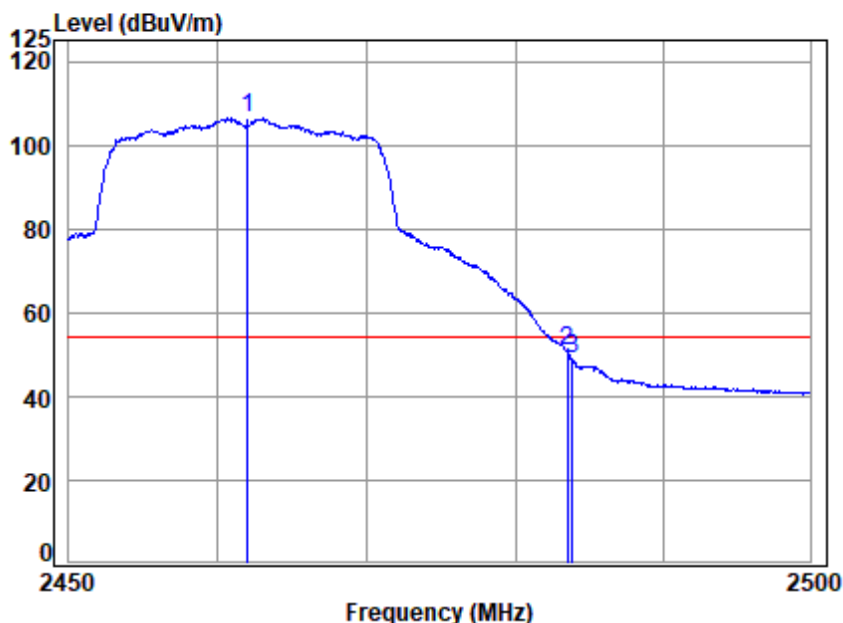
Mode : 2462 Band edge

: 2.4G Wi-Fi 11N20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp 2462.000	7.25	27.67	31.55	113.45	116.82	74.00	42.82	Peak
2 2483.500	7.40	27.80	31.55	63.64	67.29	74.00	-6.71	Peak
3 2483.639	7.40	27.80	31.55	66.90	70.55	74.00	-3.45	Peak



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



Condition: 3m VERTICAL

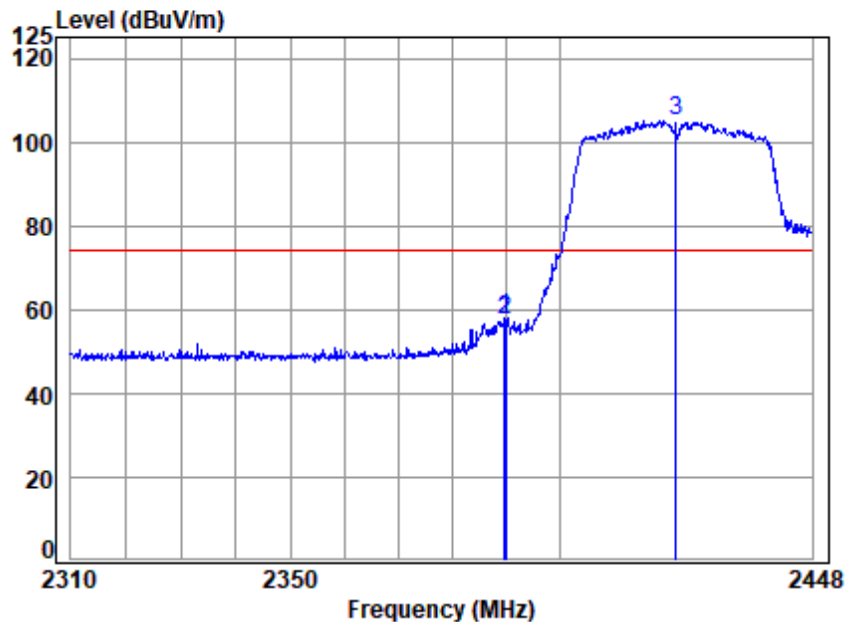
Job No : 03337AT/03338AT

Mode : 2462 Band edge
: 2.4G Wi-Fi 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	7.25	27.67	31.55	102.92	106.29	54.00	52.29	Average
2	2483.500	7.40	27.80	31.55	47.01	50.66	54.00	-3.34	Average
3	2483.840	7.40	27.80	31.55	45.39	49.04	54.00	-4.96	Average



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

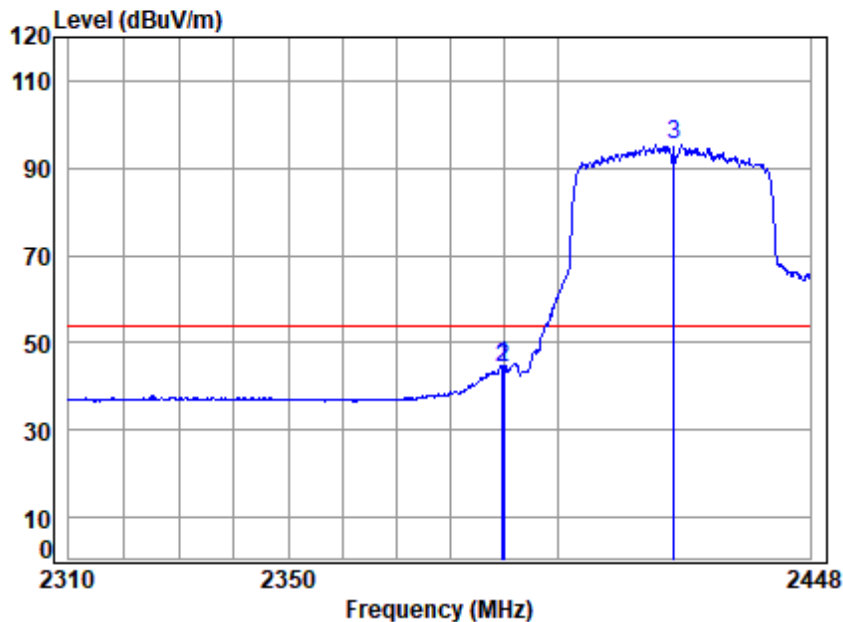
Mode : 2422 Band edge

: 2.4G Wi-Fi 11N40

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.757	6.82	27.46	31.54	55.16	57.90	74.00	-16.10 peak
2	2390.000	6.83	27.46	31.54	54.67	57.42	74.00	-16.58 peak
3	pp 2422.000	6.98	27.54	31.54	101.91	104.89	74.00	30.89 peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

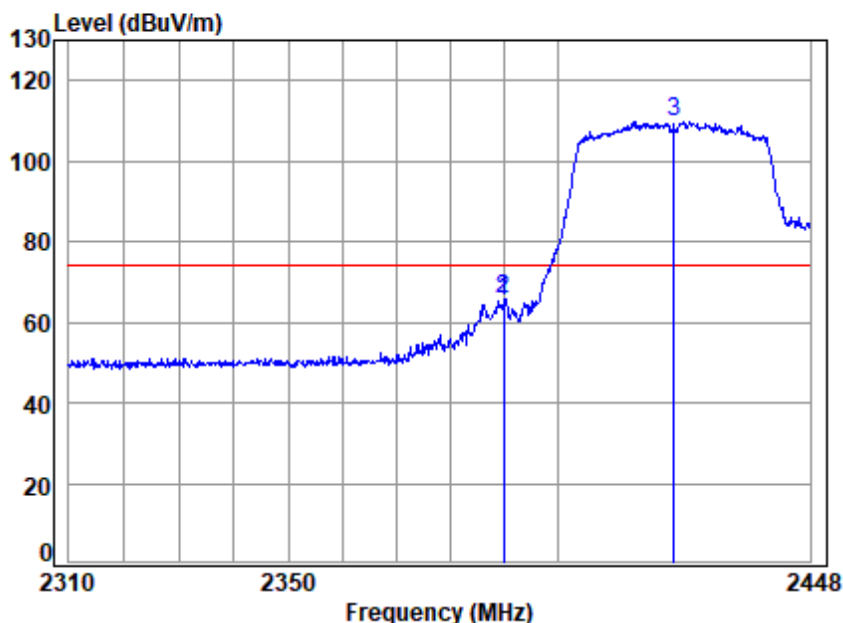
Mode : 2422 Band edge

: 2.4G Wi-Fi 11N40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 2389.757	6.82	27.46	31.54	41.99	44.73	54.00	-9.27	Average
2 2390.000	6.83	27.46	31.54	41.63	44.38	54.00	-9.62	Average
3 pp 2422.000	6.98	27.54	31.54	92.28	95.26	54.00	41.26	Average



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

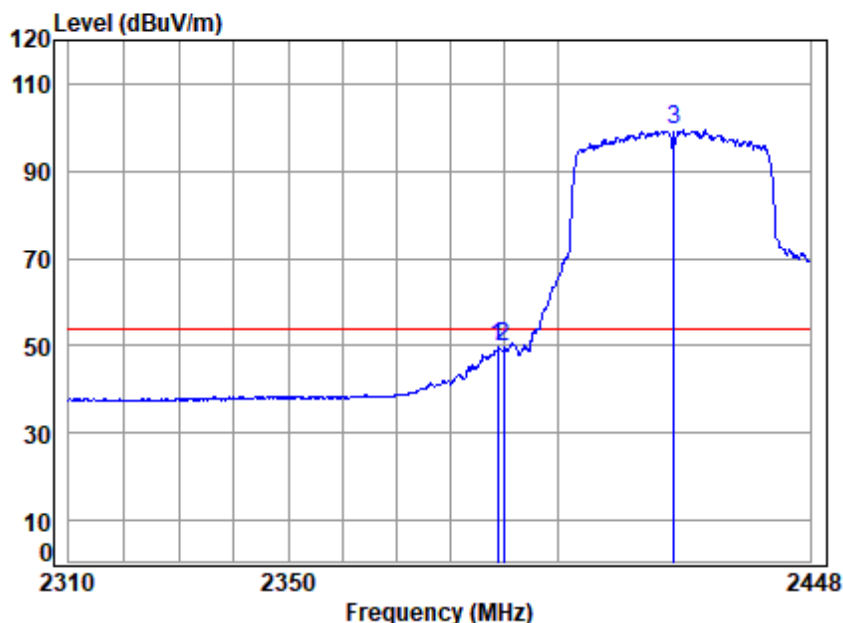
Mode : 2422 Band edge

: 2.4G Wi-Fi 11N40

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 2389.895	6.83	27.46	31.54	62.60	65.35	74.00	-8.65	Peak
2 2390.000	6.83	27.46	31.54	63.13	65.88	74.00	-8.12	Peak
3 pp 2422.000	6.98	27.54	31.54	106.91	109.89	74.00	35.89	Peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

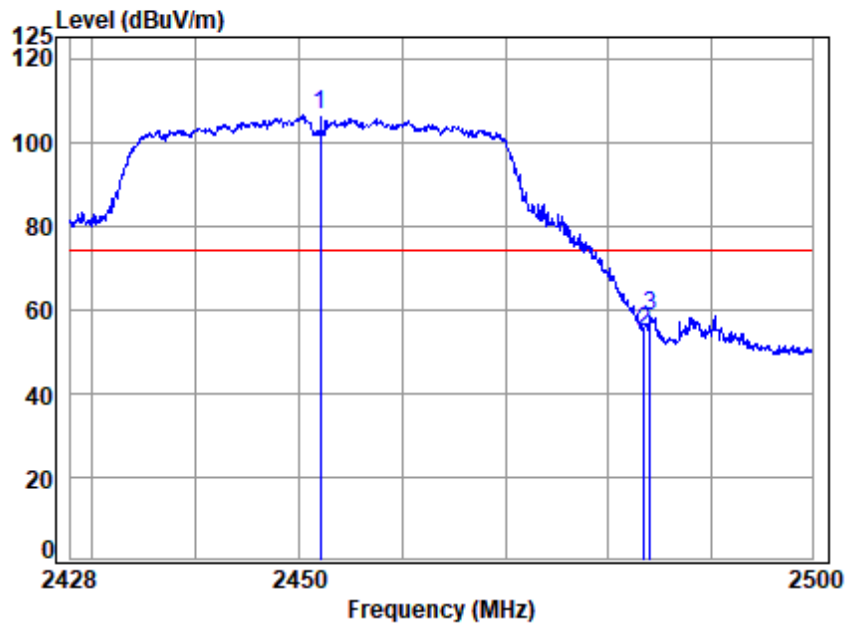
Mode : 2422 Band edge

: 2.4G Wi-Fi 11N40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 2388.925	6.82	27.46	31.54	46.87	49.61	54.00	-4.39 Average
2 2390.000	6.83	27.46	31.54	46.81	49.56	54.00	-4.44 Average
3 pp 2422.000	6.98	27.54	31.54	96.31	99.29	54.00	45.29 Average



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

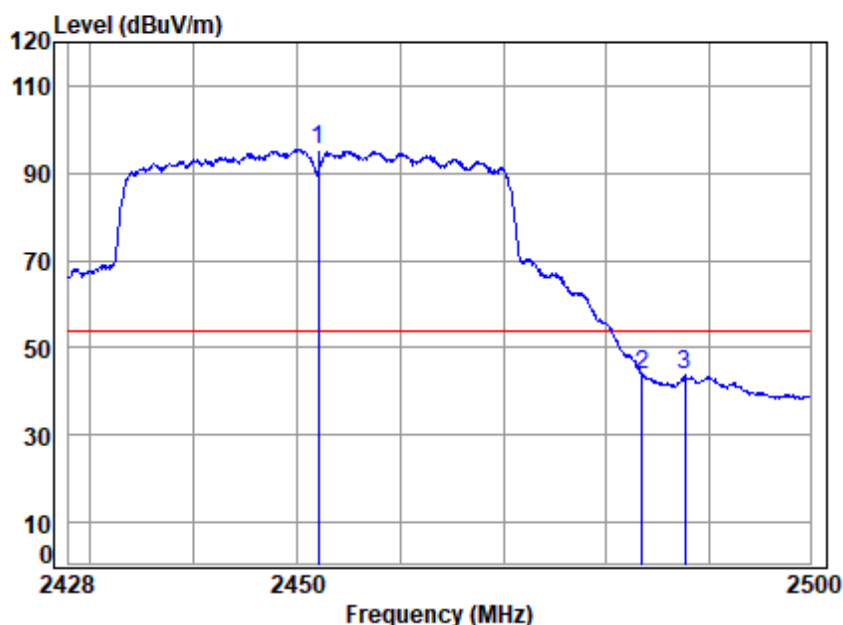
Mode : 2452 Band edge

: 2.4G Wi-Fi 11N40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2452.000	7.19	27.61	31.55	102.98	106.23	74.00	32.23	peak
2	2483.500	7.40	27.80	31.55	51.11	54.76	74.00	-19.24	peak
3	2484.052	7.40	27.80	31.55	55.00	58.65	74.00	-15.35	peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

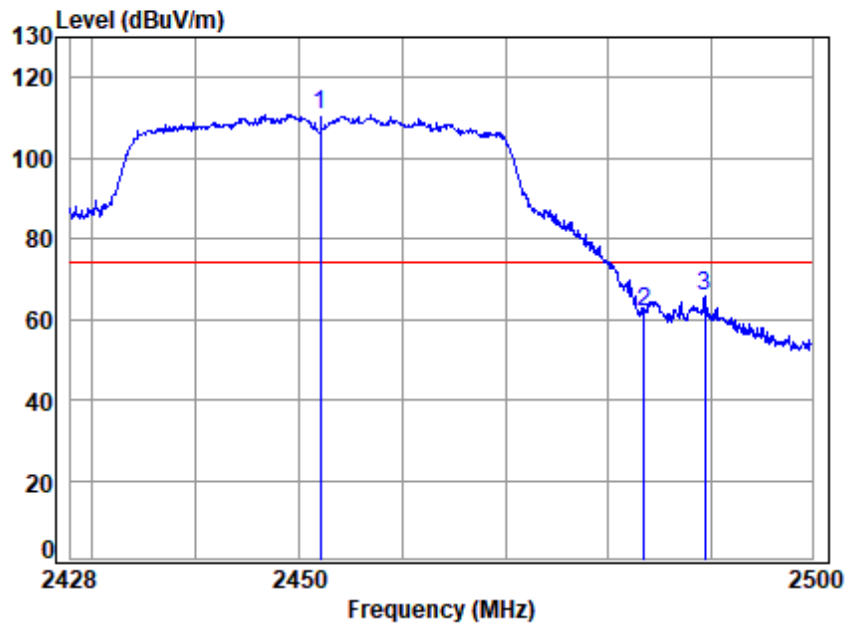
Mode : 2452 Band edge

: 2.4G Wi-Fi 11N40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2452.000	7.19	27.61	31.55	92.31	95.56	54.00	41.56	Average
2	2483.500	7.40	27.80	31.55	40.19	43.84	54.00	-10.16	Average
3	2487.684	7.43	27.83	31.55	39.88	43.59	54.00	-10.41	Average



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

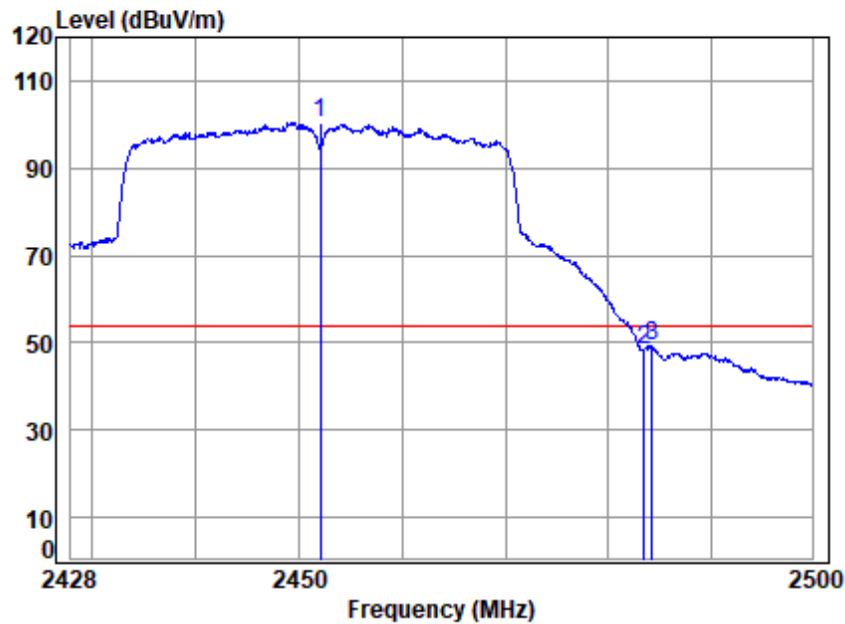
Mode : 2452 Band edge

: 2.4G Wi-Fi 11N40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2452.000	7.19	27.61	31.55	107.47	110.72	74.00	36.72	Peak
2	2483.500	7.40	27.80	31.55	58.29	61.94	74.00	-12.06	Peak
3	2489.429	7.44	27.84	31.55	62.13	65.86	74.00	-8.14	Peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

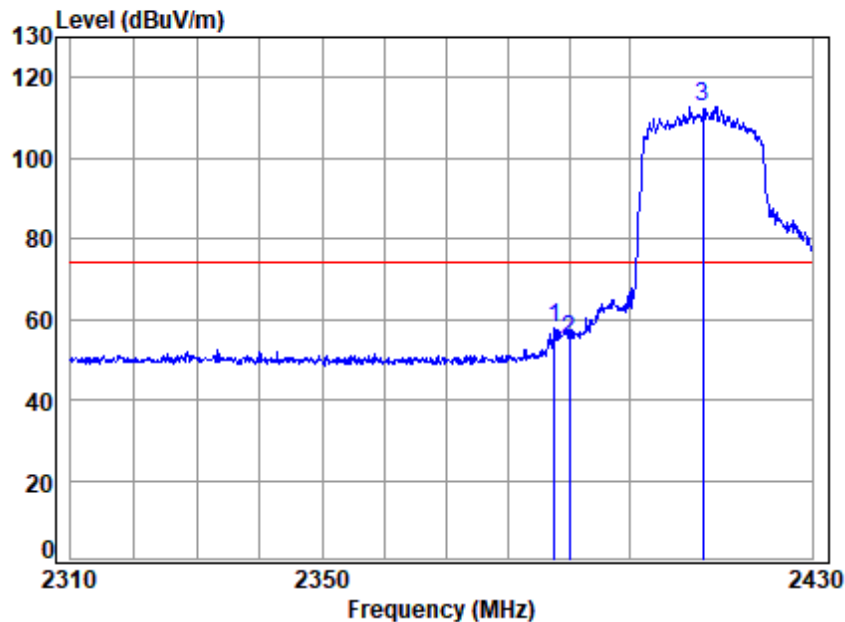
Mode : 2452 Band edge

: 2.4G Wi-Fi 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	2452.000	7.19	27.61	31.55	97.07	100.32	54.00	46.32 Average
2	2483.500	7.40	27.80	31.55	44.55	48.20	54.00	-5.80 Average
3	2484.269	7.40	27.81	31.55	45.68	49.34	54.00	-4.66 Average



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

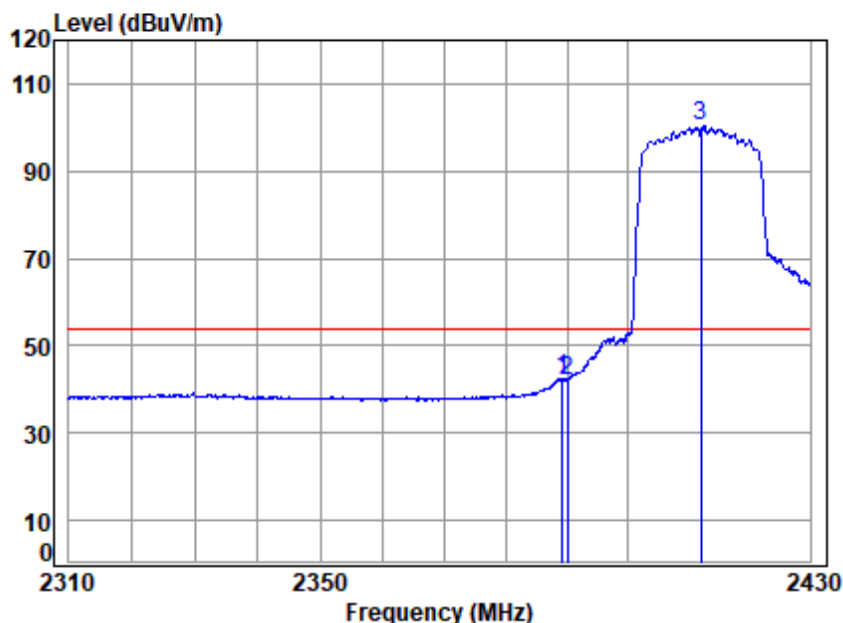
Mode : 2412 Band edge

: 2.4G Wi-Fi 11AX20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2387.670	6.82	27.45	31.54	55.15	57.88	74.00	-16.12	peak
2	2390.000	6.83	27.46	31.54	52.21	54.96	74.00	-19.04	peak
3 pp	2412.000	6.91	27.52	31.54	109.83	112.72	74.00	38.72	peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

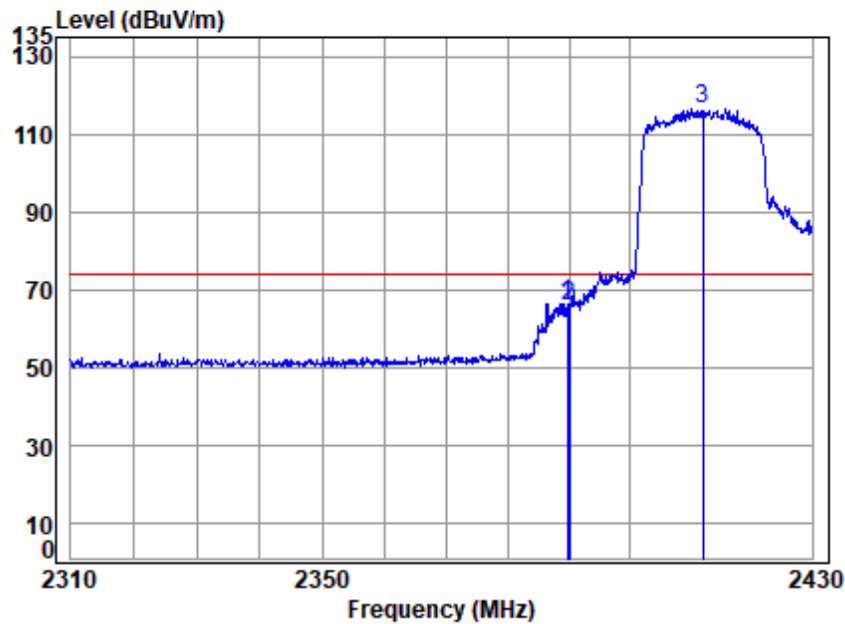
Mode : 2412 Band edge

: 2.4G Wi-Fi 11AX20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.242	6.82	27.46	31.54	39.75	42.49	54.00	-11.51	Average
2	2390.000	6.83	27.46	31.54	39.39	42.14	54.00	-11.86	Average
3 pp	2412.000	6.91	27.52	31.54	97.47	100.36	54.00	46.36	Average



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

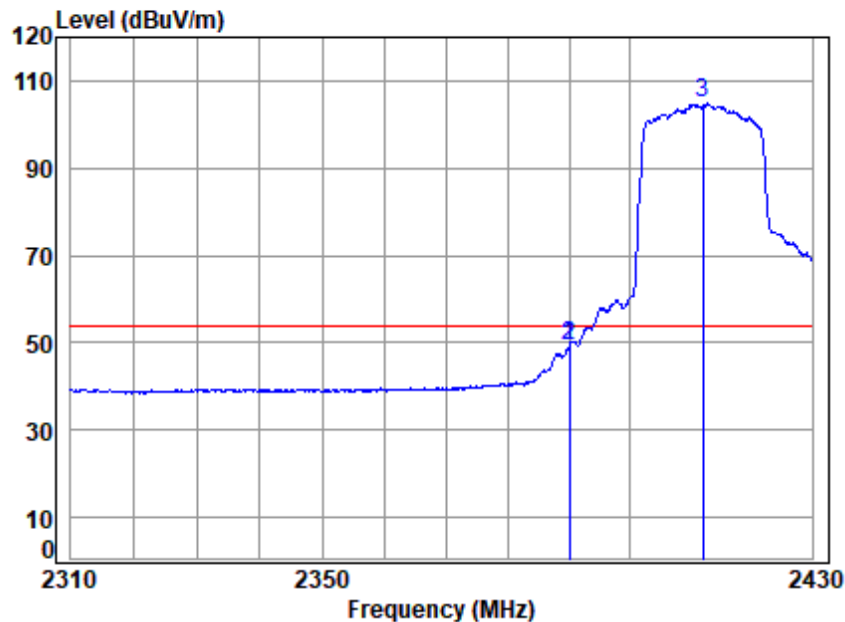
Mode : 2412 Band edge

: 2.4G Wi-Fi 11AX20

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.726	6.82	27.46	31.54	63.71	66.45	74.00	-7.55 Peak
2	2390.000	6.83	27.46	31.54	63.15	65.90	74.00	-8.10 Peak
3	pp 2412.000	6.91	27.52	31.54	113.80	116.69	74.00	42.69 Peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

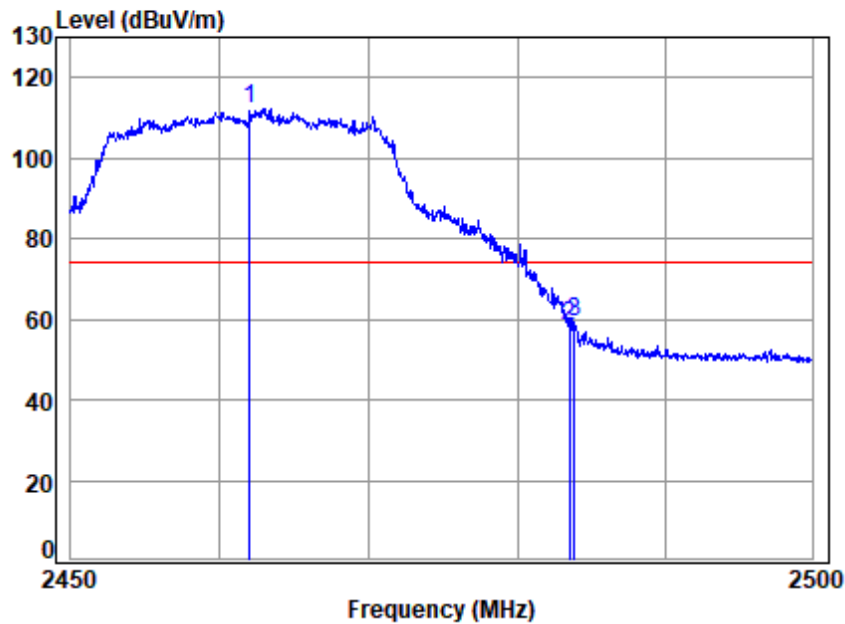
Mode : 2412 Band edge

: 2.4G Wi-Fi 11AX20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 2389.968	6.83	27.46	31.54	46.64	49.39	54.00	-4.61 Average
2 2390.000	6.83	27.46	31.54	46.64	49.39	54.00	-4.61 Average
3 pp 2412.000	6.91	27.52	31.54	102.01	104.90	54.00	50.90 Average



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

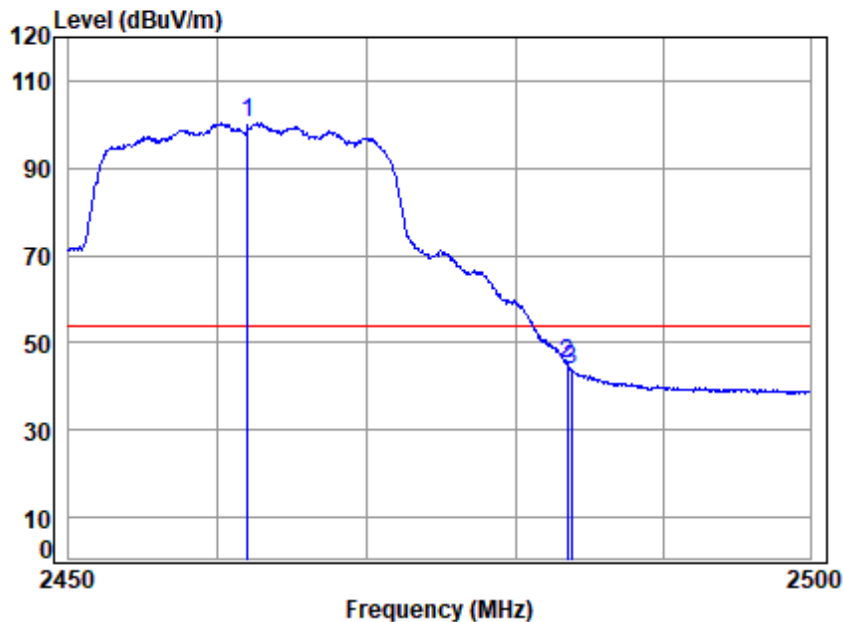
Mode : 2462 Band edge

: 2.4G Wi-Fi 11AX20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	7.25	27.67	31.55	108.78	112.15	74.00	38.15	peak
2	2483.500	7.40	27.80	31.55	54.86	58.51	74.00	-15.49	peak
3	2483.890	7.40	27.80	31.55	55.47	59.12	74.00	-14.88	peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

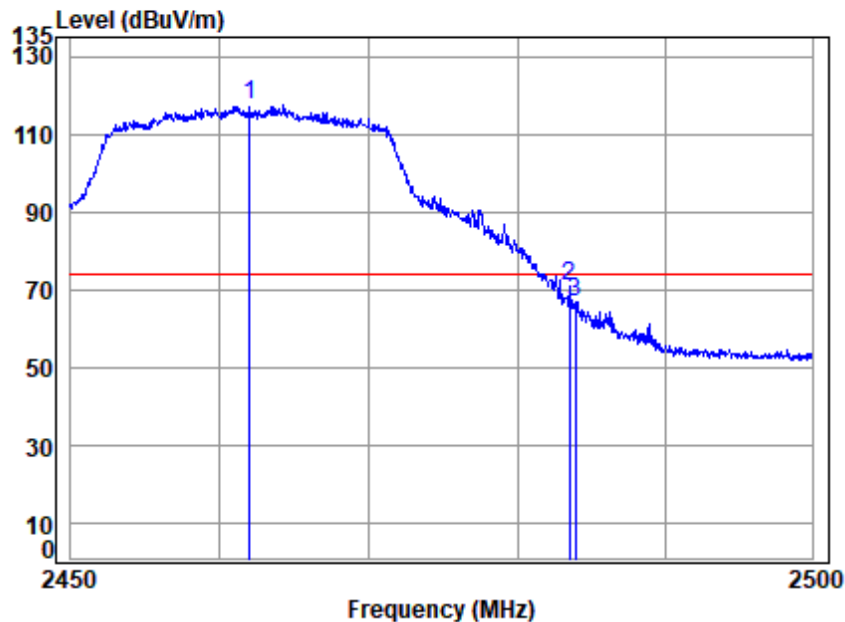
Mode : 2462 Band edge

: 2.4G Wi-Fi 11AX20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	7.25	27.67	31.55	96.95	100.32	54.00	46.32	Average
2	2483.500	7.40	27.80	31.55	41.52	45.17	54.00	-8.83	Average
3	2483.790	7.40	27.80	31.55	40.17	43.82	54.00	-10.18	Average



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

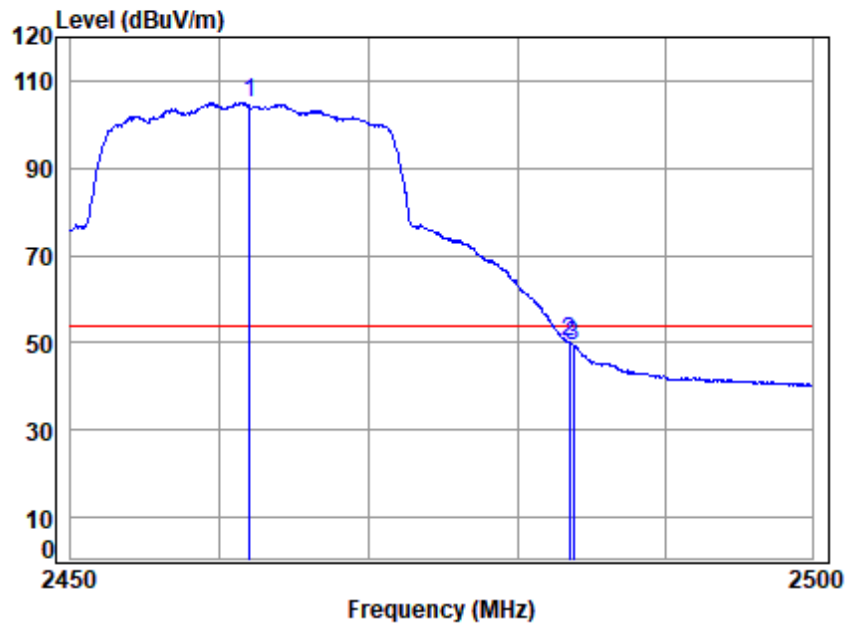
Mode : 2462 Band edge

: 2.4G Wi-Fi 11AX20

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
2462.000	7.25	27.67	31.55	114.08	117.45	74.00	43.45	Peak
2483.500	7.40	27.80	31.55	67.26	70.91	74.00	-3.09	Peak
2483.940	7.40	27.80	31.55	62.91	66.56	74.00	-7.44	Peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

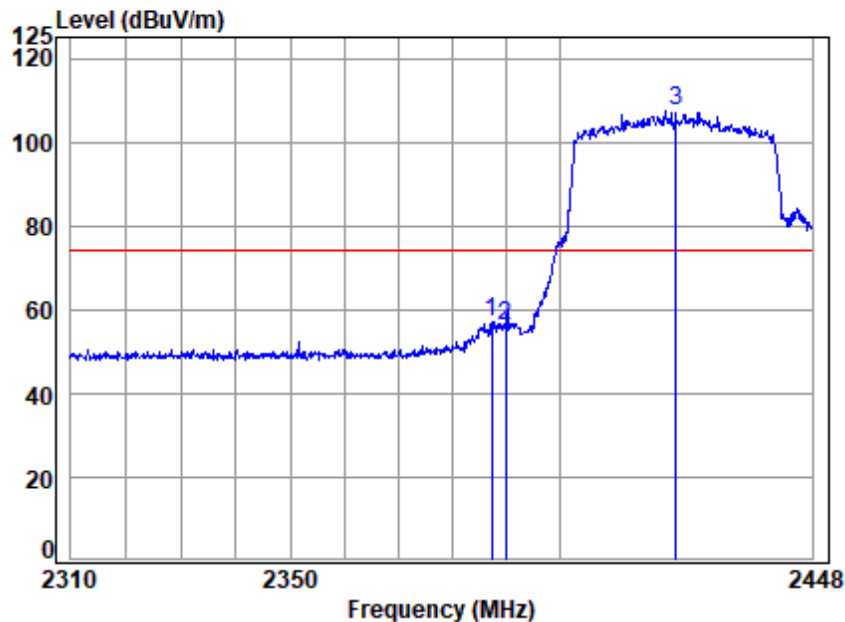
Mode : 2462 Band edge

: 2.4G Wi-Fi 11AX20

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp 2462.000	7.25	27.67	31.55	101.69	105.06	54.00	51.06	Average
2 2483.500	7.40	27.80	31.55	46.36	50.01	54.00	-3.99	Average
3 2483.790	7.40	27.80	31.55	45.83	49.48	54.00	-4.52	Average



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

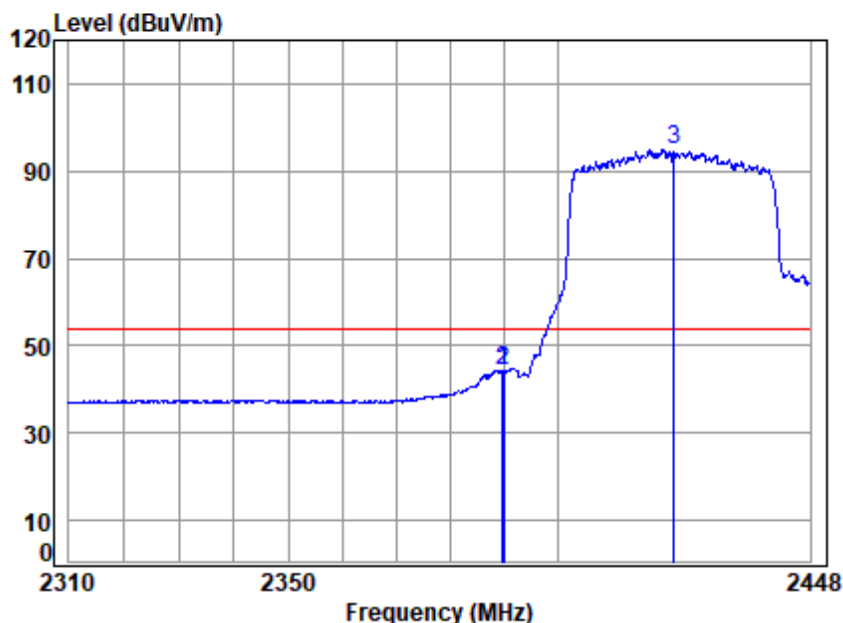
Mode : 2422 Band edge

: 2.4G Wi-Fi 11AX40

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2387.400	6.82	27.45	31.54	54.28	57.01	74.00	-16.99 peak
2	2390.000	6.83	27.46	31.54	53.47	56.22	74.00	-17.78 peak
3	pp 2422.000	6.98	27.54	31.54	104.66	107.64	74.00	33.64 peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

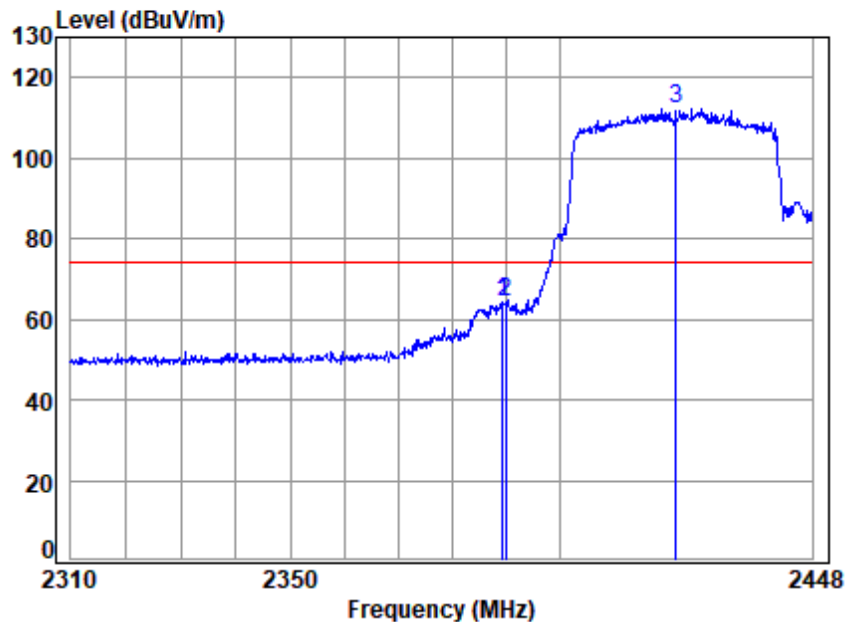
Mode : 2422 Band edge

: 2.4G Wi-Fi 11AX40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2389.757	6.82	27.46	31.54	41.73	44.47	54.00	-9.53 Average
2	2390.000	6.83	27.46	31.54	41.66	44.41	54.00	-9.59 Average
3 pp	2422.000	6.98	27.54	31.54	92.11	95.09	54.00	41.09 Average



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

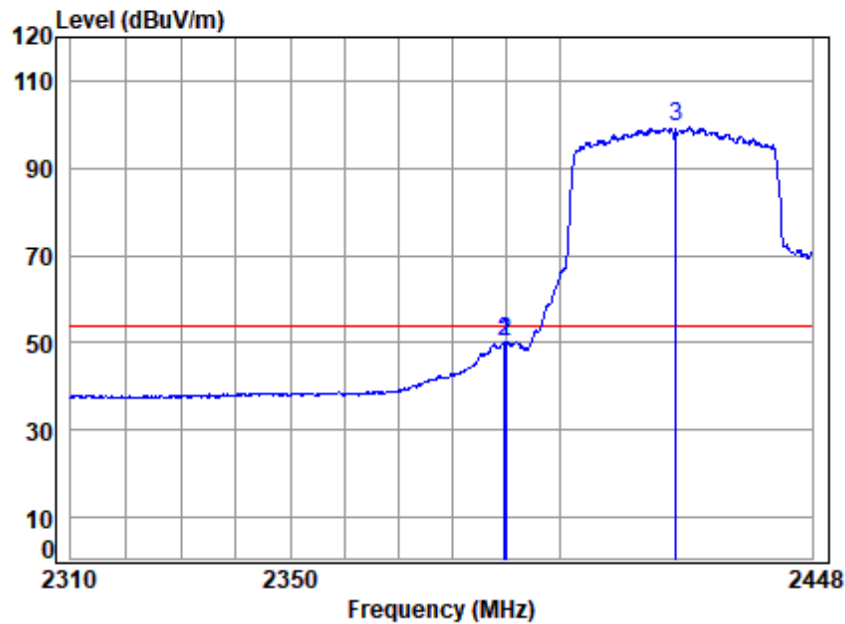
Mode : 2422 Band edge

: 2.4G Wi-Fi 11AX40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2389.479	6.82	27.46	31.54	61.68	64.42	74.00 -9.58 Peak
2	2390.000	6.83	27.46	31.54	61.68	64.43	74.00 -9.57 Peak
3	pp 2422.000	6.98	27.54	31.54	109.24	112.22	74.00 38.22 Peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

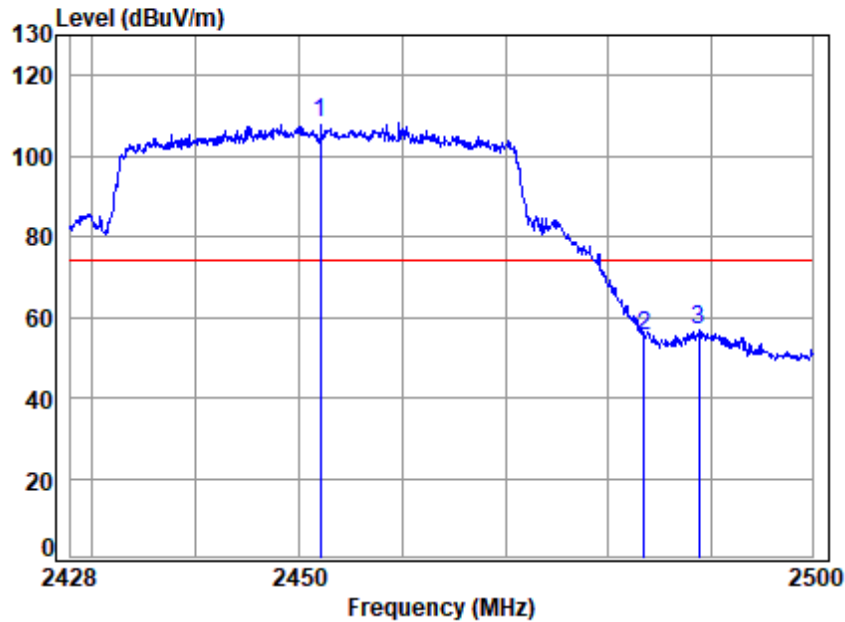
Mode : 2422 Band edge

: 2.4G Wi-Fi 11AX40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.757	6.82	27.46	31.54	47.60	50.34	54.00	-3.66	Average
2	2390.000	6.83	27.46	31.54	47.65	50.40	54.00	-3.60	Average
3 pp	2422.000	6.98	27.54	31.54	96.33	99.31	54.00	45.31	Average



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

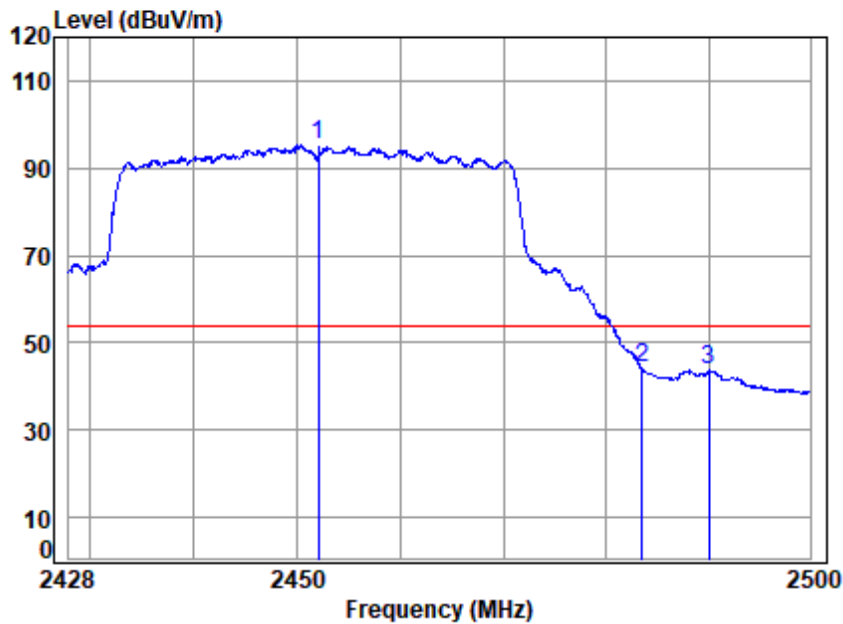
Mode : 2452 Band edge

: 2.4G Wi-Fi 11AX40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2452.000	7.19	27.61	31.55	104.85	108.10	74.00	34.10	peak
2	2483.500	7.40	27.80	31.55	51.71	55.36	74.00	-18.64	peak
3	2488.920	7.44	27.83	31.55	53.27	56.99	74.00	-17.01	peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

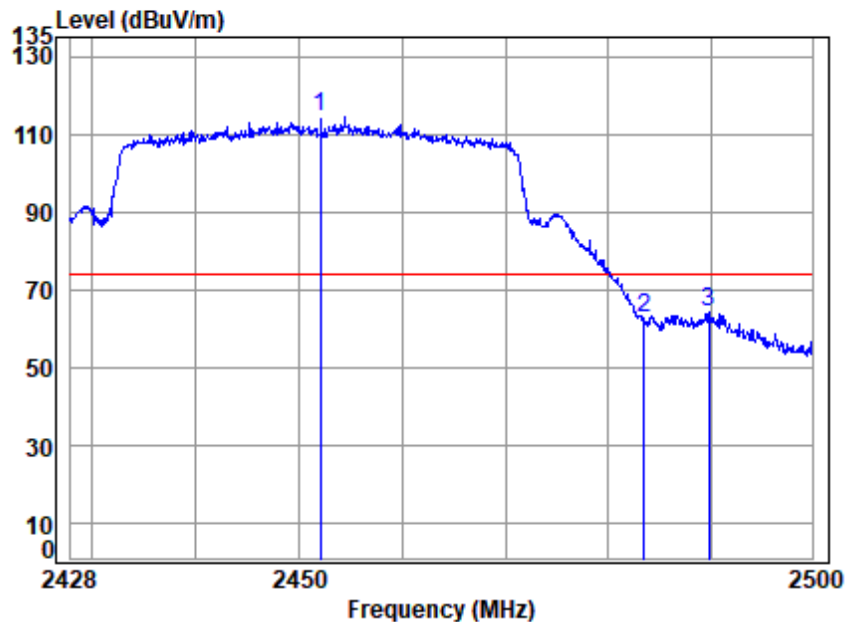
Mode : 2452 Band edge

: 2.4G Wi-Fi 11AX40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2452.000	7.19	27.61	31.55	92.07	95.32	54.00	41.32	Average
2	2483.500	7.40	27.80	31.55	40.49	44.14	54.00	-9.86	Average
3	2490.084	7.44	27.84	31.55	39.97	43.70	54.00	-10.30	Average



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

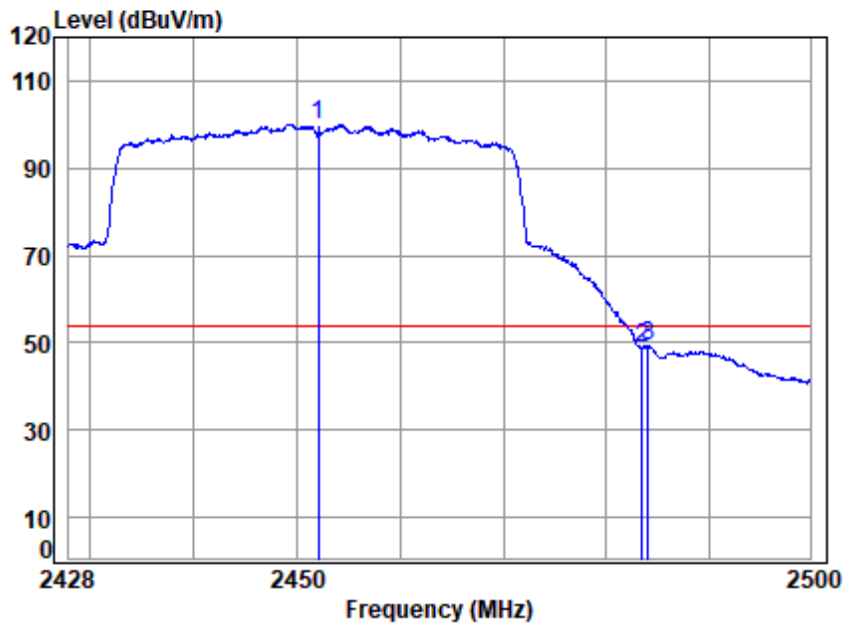
Mode : 2452 Band edge

: 2.4G Wi-Fi 11AX40

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2452.000	7.19	27.61	31.55	111.32	114.57	74.00	40.57	Peak
2	2483.500	7.40	27.80	31.55	58.87	62.52	74.00	-11.48	Peak
3	2489.866	7.44	27.84	31.55	60.46	64.19	74.00	-9.81	Peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

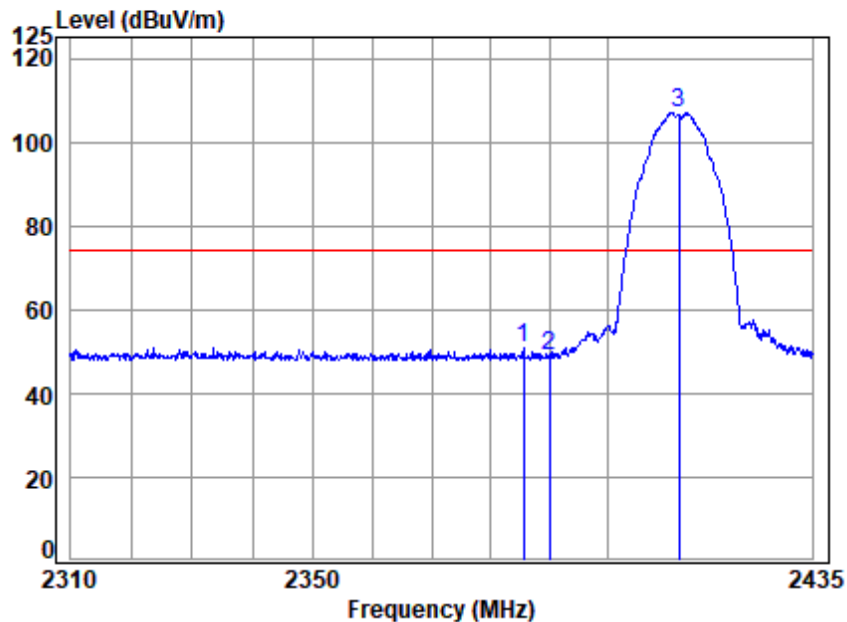
Mode : 2452 Band edge

: 2.4G Wi-Fi 11AX40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	2452.000	7.19	27.61	31.55	96.89	100.14	54.00	46.14 Average
2	2483.500	7.40	27.80	31.55	45.16	48.81	54.00	-5.19 Average
3	2484.052	7.40	27.80	31.55	45.83	49.48	54.00	-4.52 Average



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

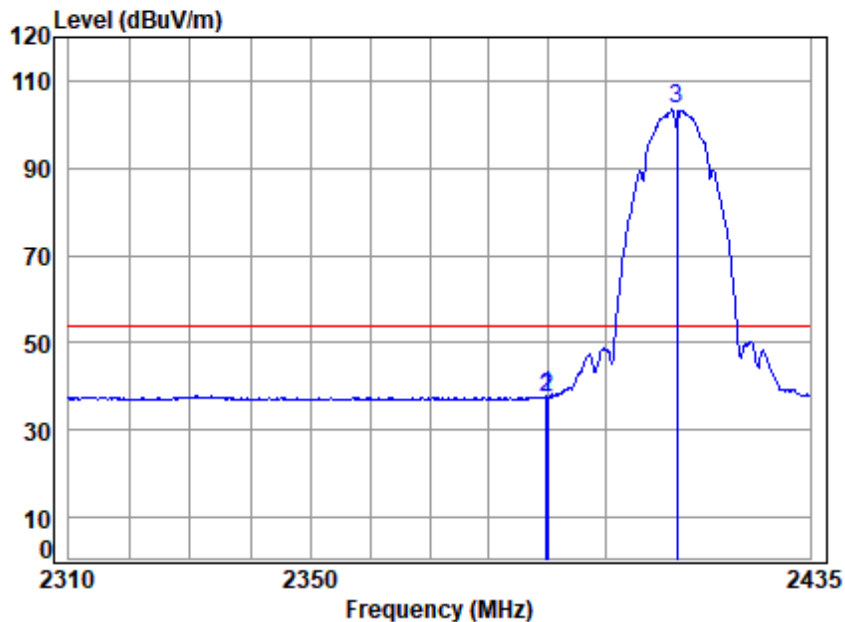
Mode : 2412 Band edge

: 2.4G Wi-Fi 11B

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2385.591	6.82	27.44	31.54	48.24	50.96	74.00	-23.04	peak
2	2390.000	6.83	27.46	31.54	46.38	49.13	74.00	-24.87	peak
3 pp	2412.000	6.91	27.52	31.54	103.91	106.80	74.00	32.80	peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

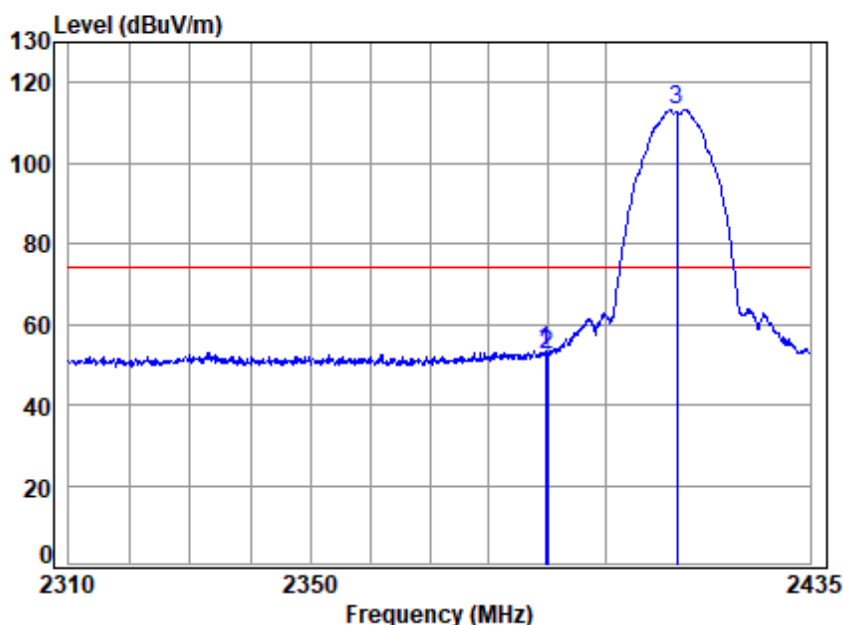
Mode : 2412 Band edge

: 2.4G Wi-Fi 11B

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.869	6.83	27.46	31.54	34.98	37.73	54.00	-16.27	Average
2	2390.000	6.83	27.46	31.54	34.83	37.58	54.00	-16.42	Average
3 pp	2412.000	6.91	27.52	31.54	100.49	103.38	54.00	49.38	Average



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

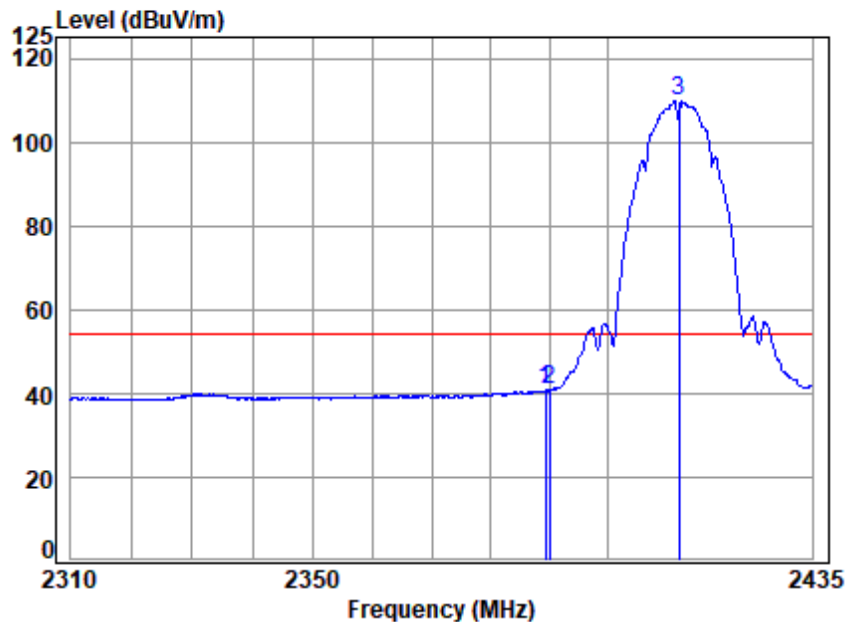
Mode : 2412 Band edge

: 2.4G Wi-Fi 11B

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.617	6.82	27.46	31.54	50.80	53.54	74.00	-20.46	peak
2	2390.000	6.83	27.46	31.54	49.82	52.57	74.00	-21.43	peak
3 pp	2412.000	6.91	27.52	31.54	110.36	113.25	74.00	39.25	peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

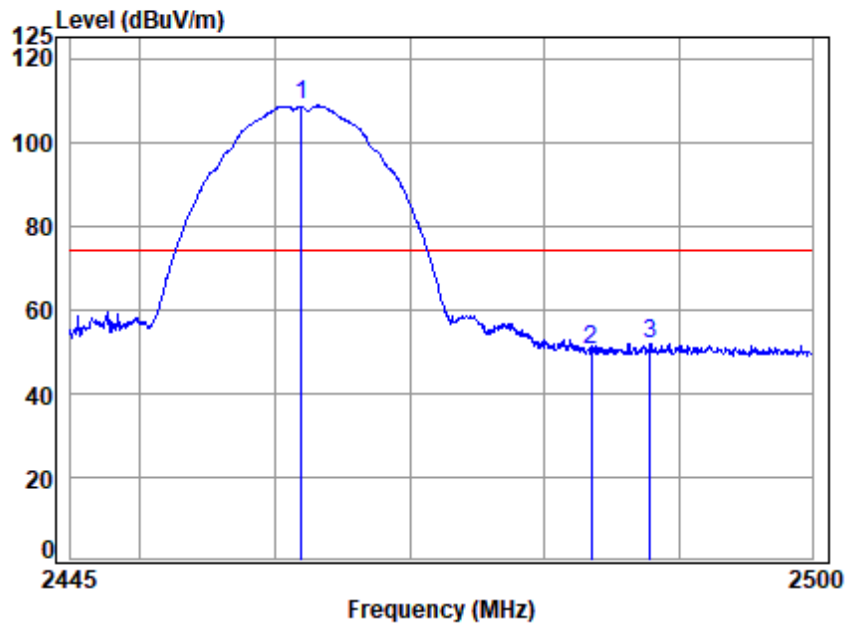
Mode : 2412 Band edge

: 2.4G Wi-Fi 11B

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 2389.239	6.82	27.46	31.54	38.03	40.77	54.00	-13.23	Average
2 2390.000	6.83	27.46	31.54	37.98	40.73	54.00	-13.27	Average
3 pp 2412.000	6.91	27.52	31.54	106.75	109.64	54.00	55.64	Average



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

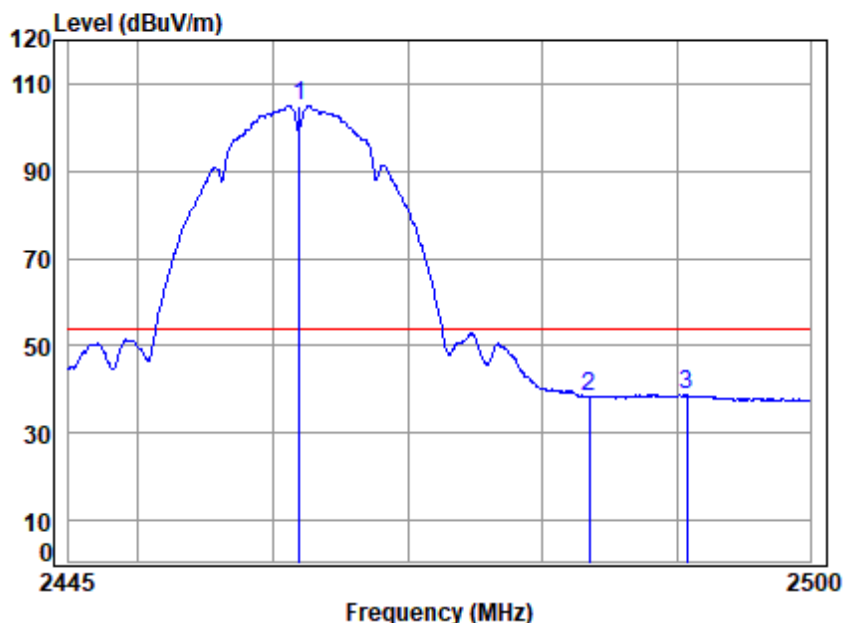
Mode : 2462 Band edge

: 2.4G Wi-Fi 11B

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	7.25	27.67	31.55	105.26	108.63	74.00	34.63	peak
2	2483.500	7.40	27.80	31.55	46.72	50.37	74.00	-23.63	peak
3	2487.906	7.43	27.83	31.55	48.29	52.00	74.00	-22.00	peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

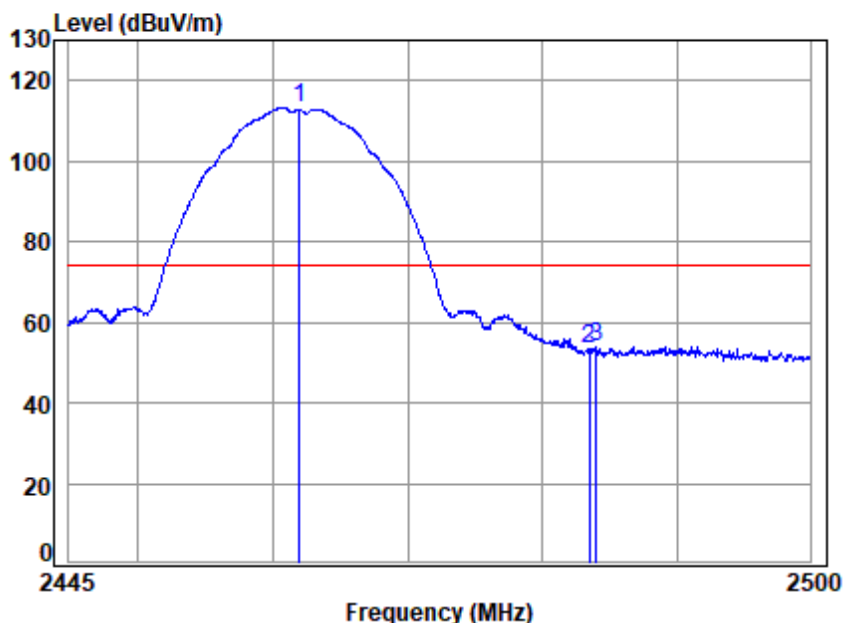
Mode : 2462 Band edge

: 2.4G Wi-Fi 11B

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	7.25	27.67	31.55	101.58	104.95	54.00	50.95	Average
2	2483.500	7.40	27.80	31.55	34.60	38.25	54.00	-15.75	Average
3	2490.785	7.45	27.84	31.55	34.94	38.68	54.00	-15.32	Average



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

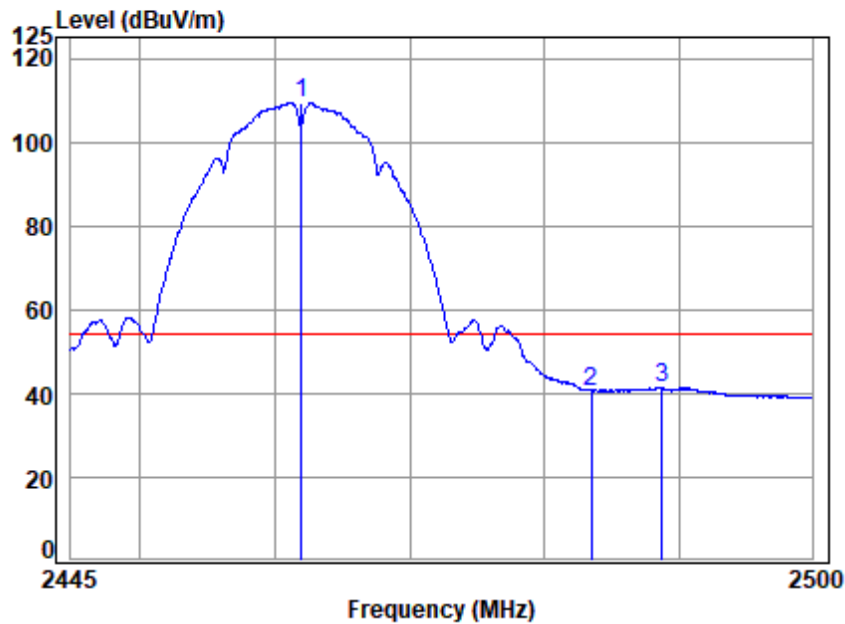
Mode : 2462 Band edge

: 2.4G Wi-Fi 11B

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	7.25	27.67	31.55	109.82	113.19	74.00	39.19	peak
2	2483.500	7.40	27.80	31.55	49.59	53.24	74.00	-20.76	peak
3	2484.034	7.40	27.80	31.55	50.37	54.02	74.00	-19.98	peak



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



Condition: 3m VERTICAL

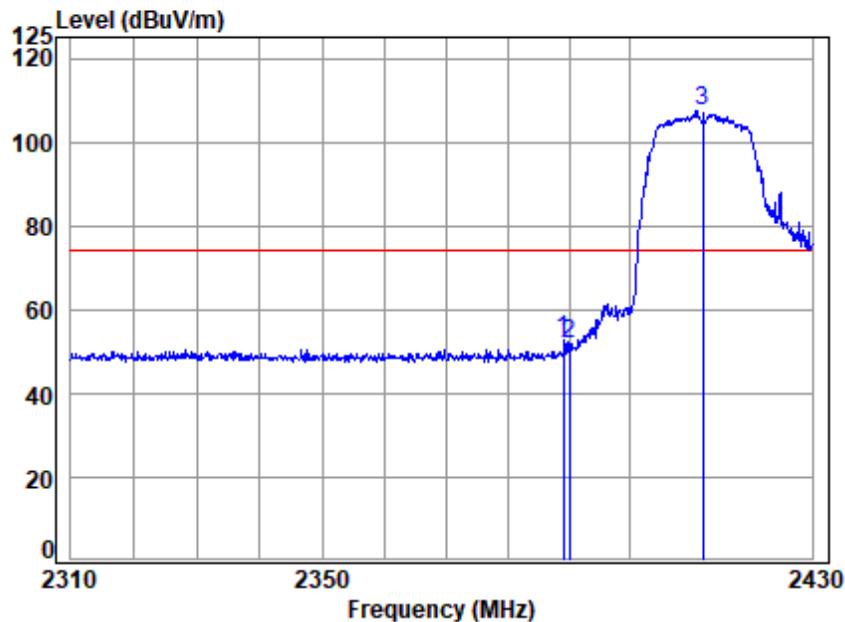
Job No : 03337AT/03338AT

Mode : 2462 Band edge
: 2.4G Wi-Fi 11B

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	7.25	27.67	31.55	106.15	109.52	54.00	55.52	Average
2	2483.500	7.40	27.80	31.55	36.97	40.62	54.00	-13.38	Average
3	2488.791	7.44	27.83	31.55	37.73	41.45	54.00	-12.55	Average



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

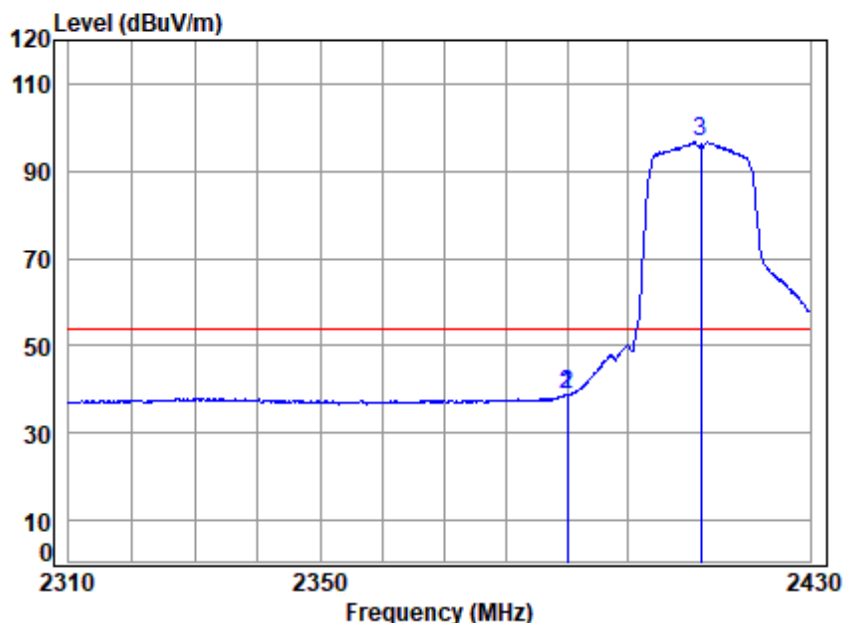
Mode : 2412 Band edge

: 2.4G Wi-Fi 11G

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.121	6.82	27.46	31.54	50.18	52.92	74.00	-21.08 peak
2	2390.000	6.83	27.46	31.54	49.18	51.93	74.00	-22.07 peak
3	pp 2412.000	6.91	27.52	31.54	104.44	107.33	74.00	33.33 peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

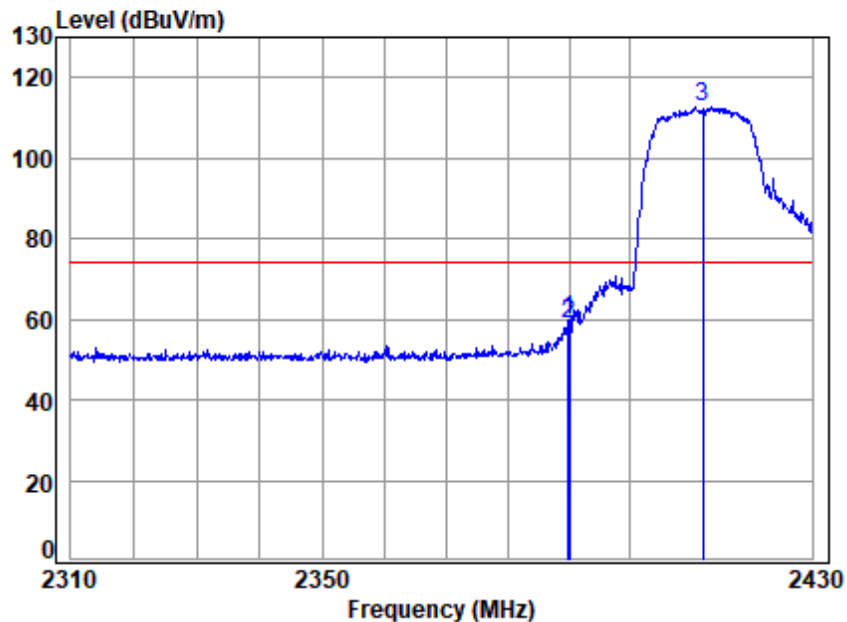
Mode : 2412 Band edge

: 2.4G Wi-Fi 11G

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 2389.968	6.83	27.46	31.54	36.01	38.76	54.00	-15.24 Average
2 2390.000	6.83	27.46	31.54	36.01	38.76	54.00	-15.24 Average
3 pp 2412.000	6.91	27.52	31.54	93.74	96.63	54.00	42.63 Average



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

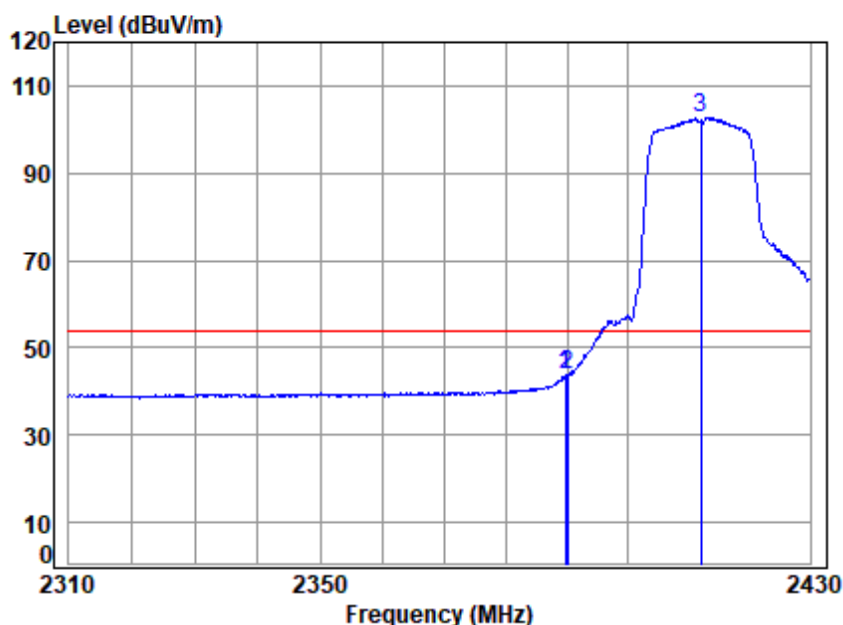
Mode : 2412 Band edge

: 2.4G Wi-Fi 11G

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 2389.847	6.83	27.46	31.54	57.09	59.84	74.00	-14.16 peak
2 2390.000	6.83	27.46	31.54	55.99	58.74	74.00	-15.26 peak
3 pp 2412.000	6.91	27.52	31.54	109.79	112.68	74.00	38.68 peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

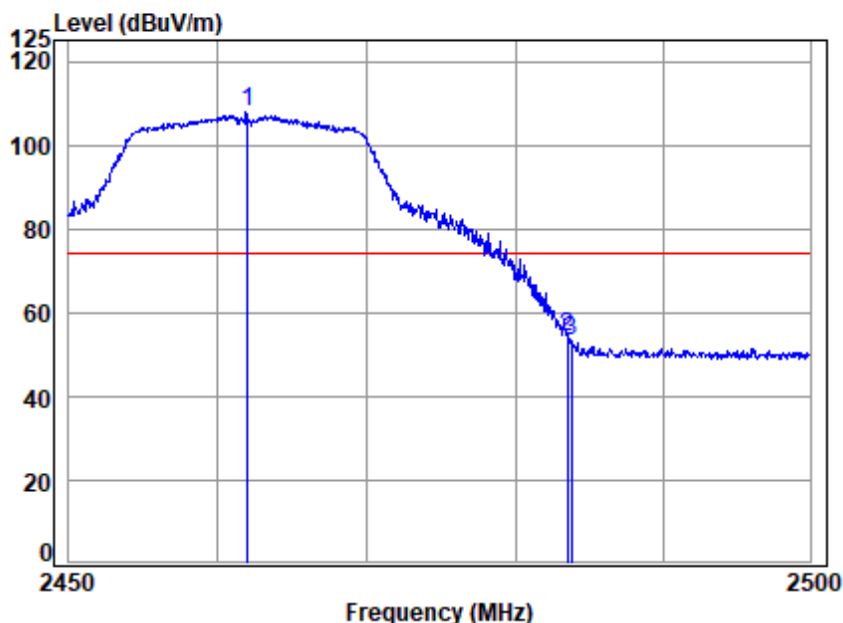
Mode : 2412 Band edge

: 2.4G Wi-Fi 11G

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 2389.726	6.82	27.46	31.54	41.00	43.74	54.00	-10.26	Average
2 2390.000	6.83	27.46	31.54	40.94	43.69	54.00	-10.31	Average
3 pp 2412.000	6.91	27.52	31.54	99.77	102.66	54.00	48.66	Average



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

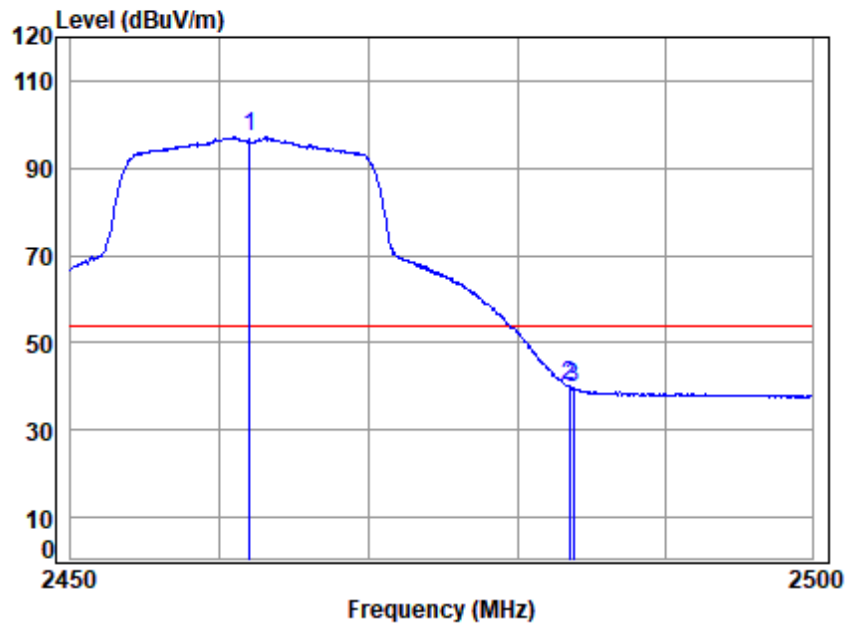
Mode : 2462 Band edge

: 2.4G Wi-Fi 11G

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	7.25	27.67	31.55	104.31	107.68	74.00	33.68	peak
2	2483.500	7.40	27.80	31.55	50.60	54.25	74.00	-19.75	peak
3	2483.790	7.40	27.80	31.55	49.47	53.12	74.00	-20.88	peak



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



Condition: 3m HORIZONTAL

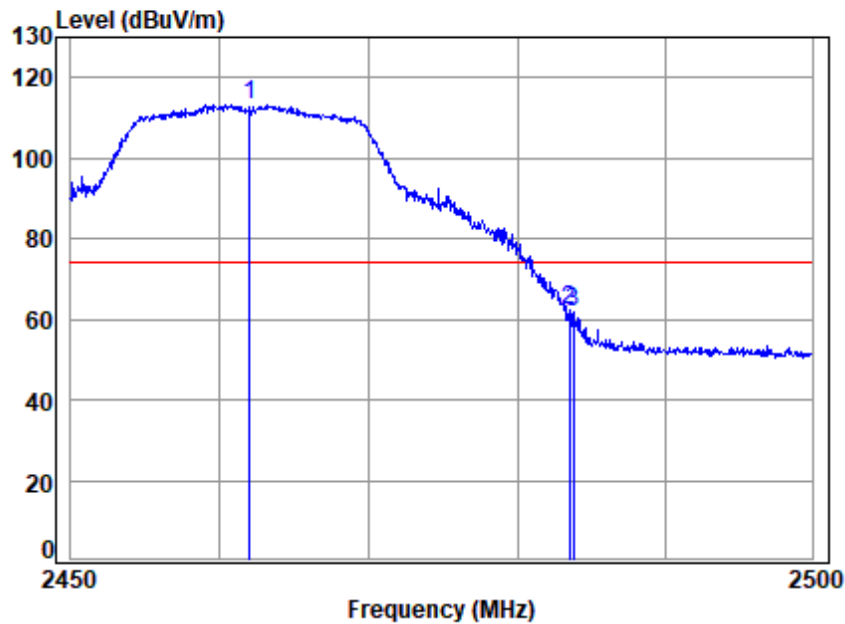
Job No : 03337AT/03338AT

Mode : 2462 Band edge
: 2.4G Wi-Fi 11G

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	2462.000	7.25	27.67	31.55	93.79	97.16	54.00	43.16 Average
2	2483.500	7.40	27.80	31.55	36.36	40.01	54.00	-13.99 Average
3	2483.790	7.40	27.80	31.55	35.97	39.62	54.00	-14.38 Average



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

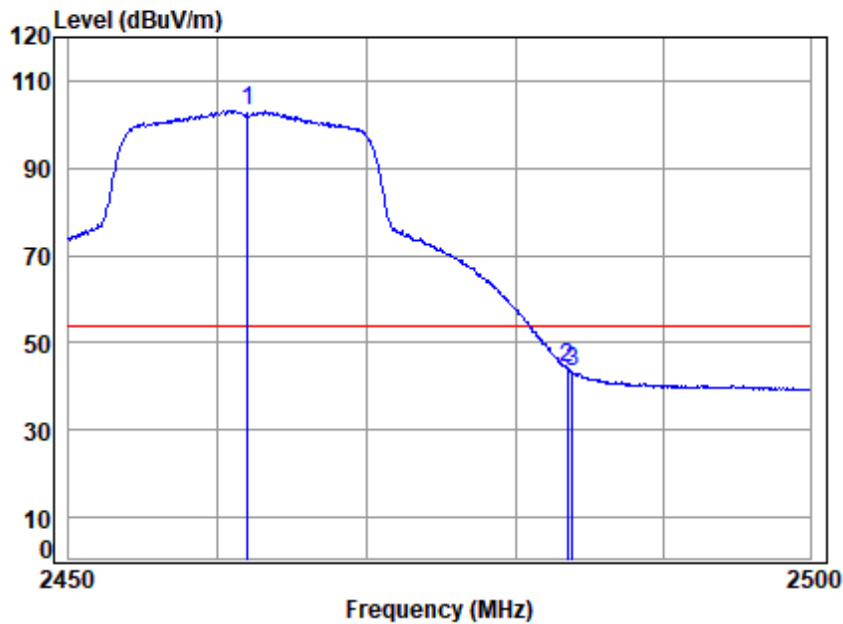
Mode : 2462 Band edge

: 2.4G Wi-Fi 11G

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp 2462.000	7.25	27.67	31.55	109.97	113.34	74.00	39.34	peak
2 2483.500	7.40	27.80	31.55	58.79	62.44	74.00	-11.56	peak
3 2483.790	7.40	27.80	31.55	58.00	61.65	74.00	-12.35	peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

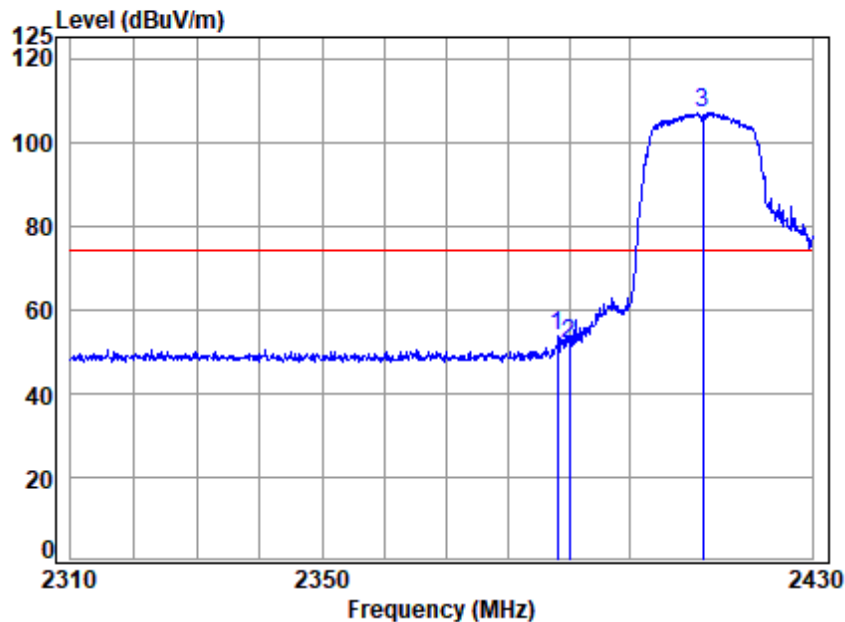
Mode : 2462 Band edge

: 2.4G Wi-Fi 11G

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	7.25	27.67	31.55	99.73	103.10	54.00	49.10	Average
2	2483.500	7.40	27.80	31.55	40.69	44.34	54.00	-9.66	Average
3	2483.890	7.40	27.80	31.55	39.92	43.57	54.00	-10.43	Average



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

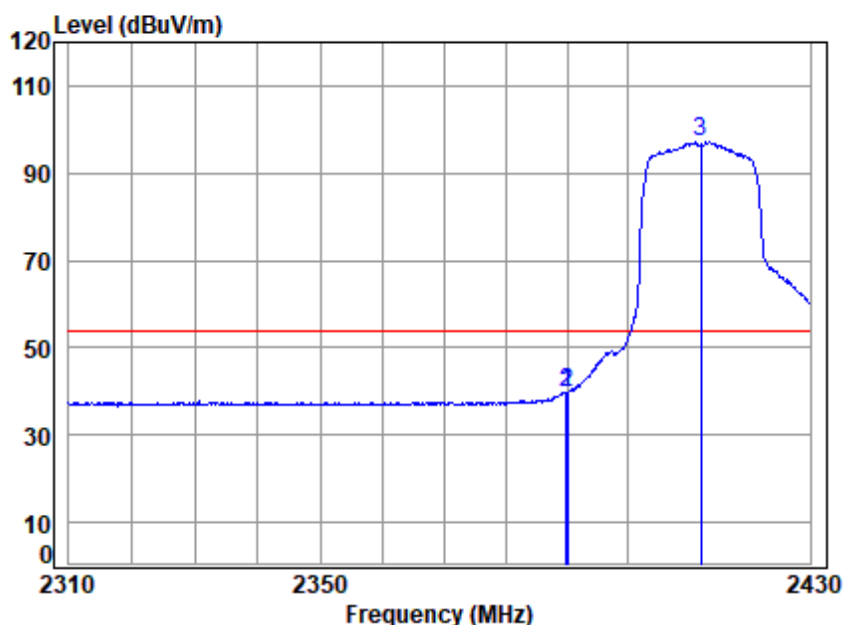
Mode : 2412 Band edge

: 2.4G Wi-Fi 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2388.154	6.82	27.45	31.54	51.21	53.94	74.00	-20.06	peak
2	2390.000	6.83	27.46	31.54	48.92	51.67	74.00	-22.33	peak
3 pp	2412.000	6.91	27.52	31.54	104.18	107.07	74.00	33.07	peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

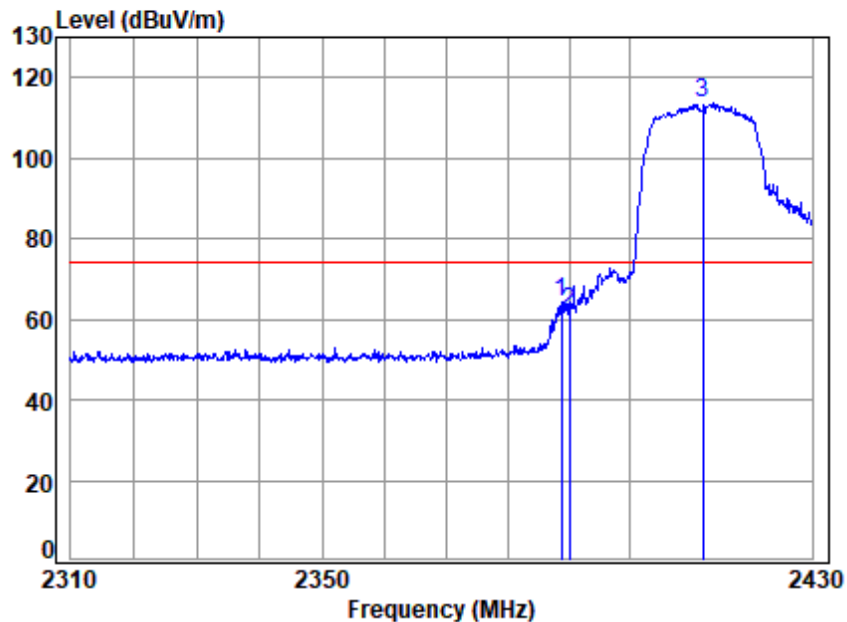
Mode : 2412 Band edge

: 2.4G Wi-Fi 11N20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 2389.847	6.83	27.46	31.54	37.06	39.81	54.00	-14.19	Average
2 2390.000	6.83	27.46	31.54	36.90	39.65	54.00	-14.35	Average
3 pp 2412.000	6.91	27.52	31.54	94.40	97.29	54.00	43.29	Average



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

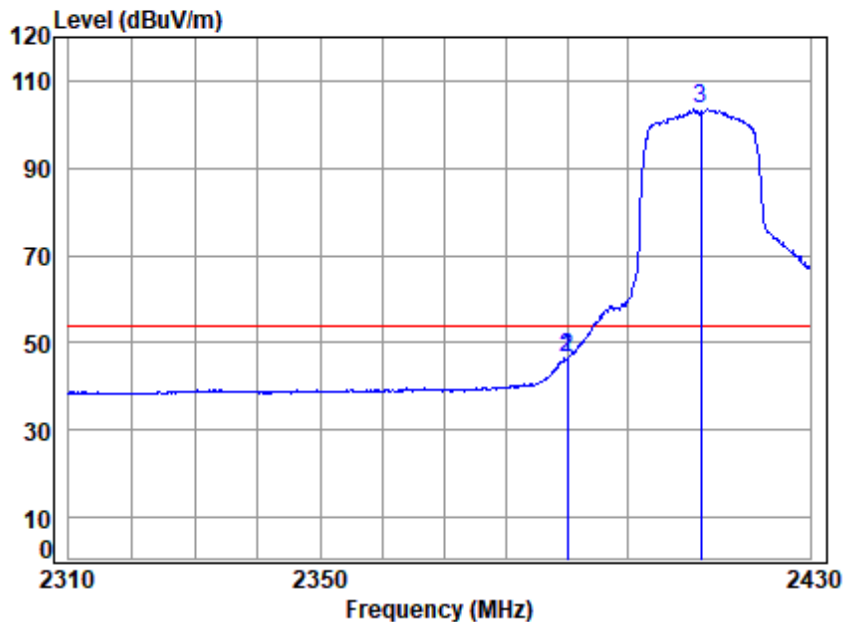
Mode : 2412 Band edge

: 2.4G Wi-Fi 11N20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2388.758	6.82	27.46	31.54	61.45	64.19	74.00 -9.81 peak
2	2390.000	6.83	27.46	31.54	58.79	61.54	74.00 -12.46 peak
3	pp 2412.000	6.91	27.52	31.54	110.55	113.44	74.00 39.44 peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

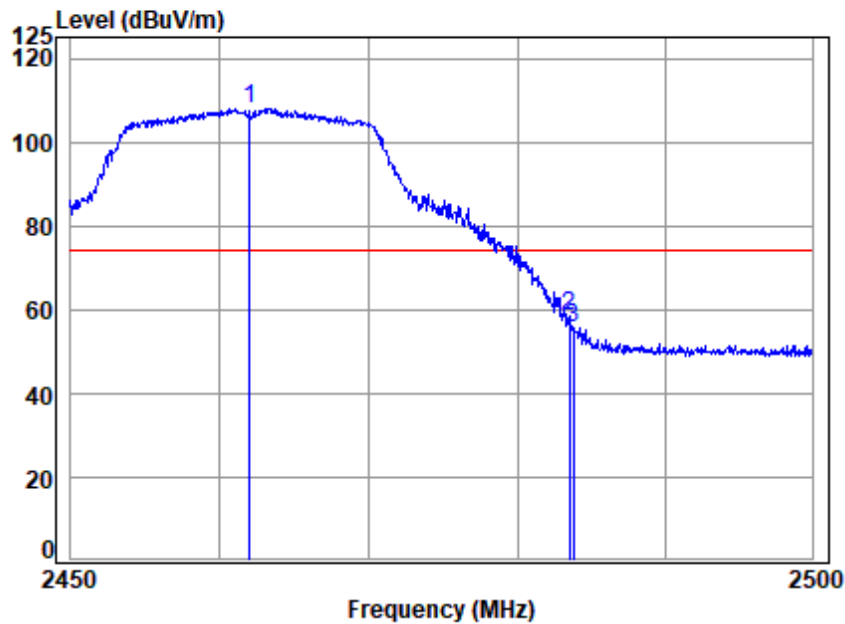
Mode : 2412 Band edge

: 2.4G Wi-Fi 11N20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 2389.968	6.83	27.46	31.54	43.70	46.45	54.00	-7.55	Average
2 2390.000	6.83	27.46	31.54	43.70	46.45	54.00	-7.55	Average
3 pp 2412.000	6.91	27.52	31.54	100.62	103.51	54.00	49.51	Average



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

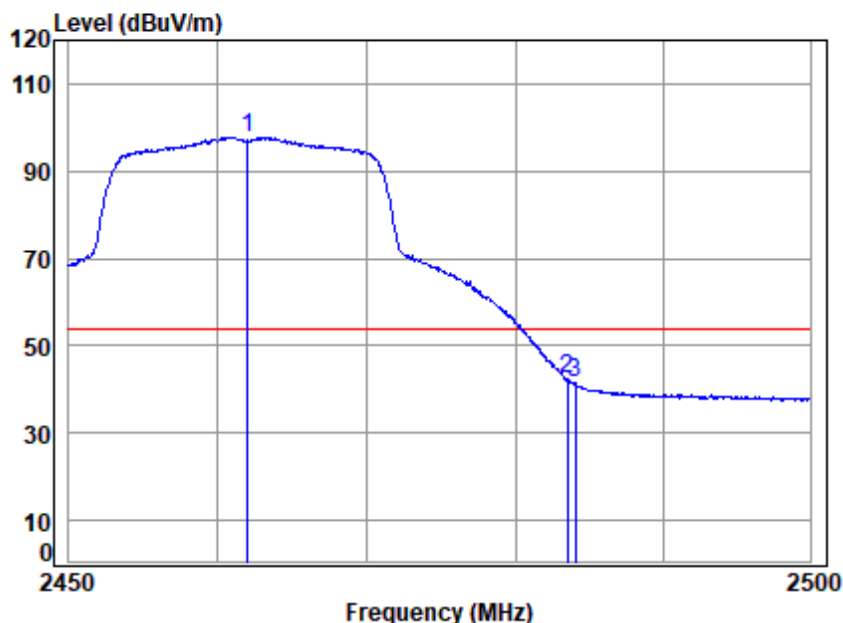
Mode : 2462 Band edge

: 2.4G Wi-Fi 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	7.25	27.67	31.55	104.55	107.92	74.00	33.92	peak
2	2483.500	7.40	27.80	31.55	54.79	58.44	74.00	-15.56	peak
3	2483.790	7.40	27.80	31.55	52.06	55.71	74.00	-18.29	peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

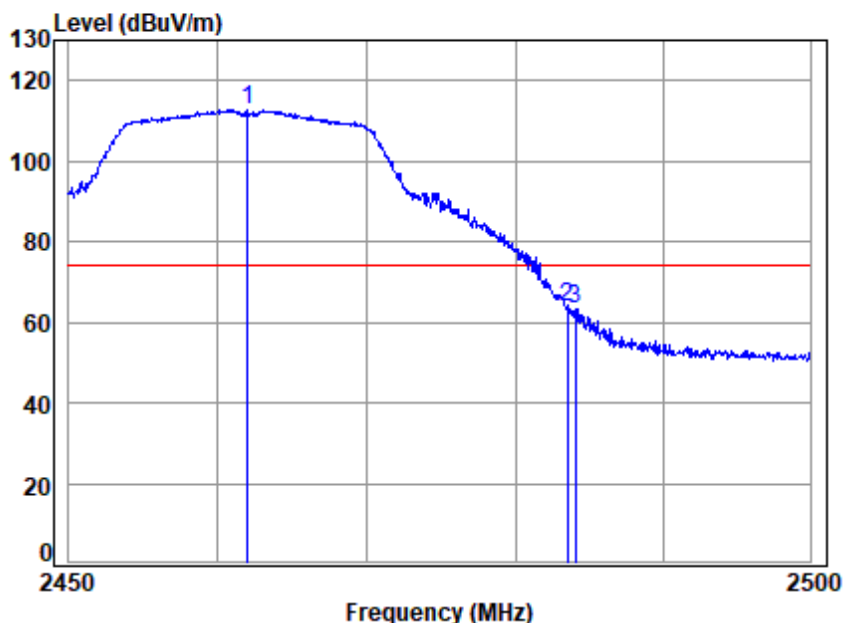
Mode : 2462 Band edge

: 2.4G Wi-Fi 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	7.25	27.67	31.55	94.49	97.86	54.00	43.86	Average
2	2483.500	7.40	27.80	31.55	38.71	42.36	54.00	-11.64	Average
3	2484.041	7.40	27.80	31.55	37.96	41.61	54.00	-12.39	Average



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

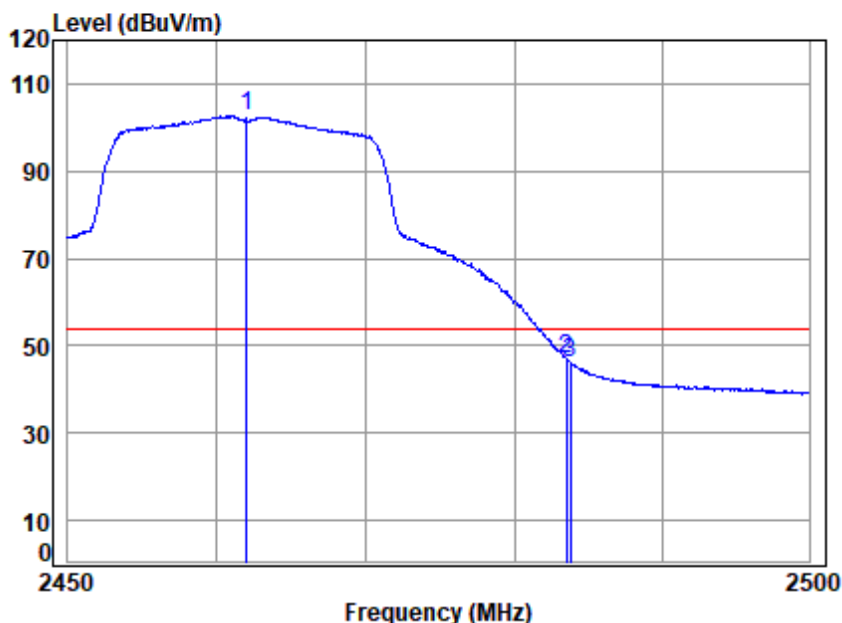
Mode : 2462 Band edge

: 2.4G Wi-Fi 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	7.25	27.67	31.55	109.39	112.76	74.00	38.76	peak
2	2483.500	7.40	27.80	31.55	60.35	64.00	74.00	-10.00	peak
3	2484.041	7.40	27.80	31.55	59.81	63.46	74.00	-10.54	peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

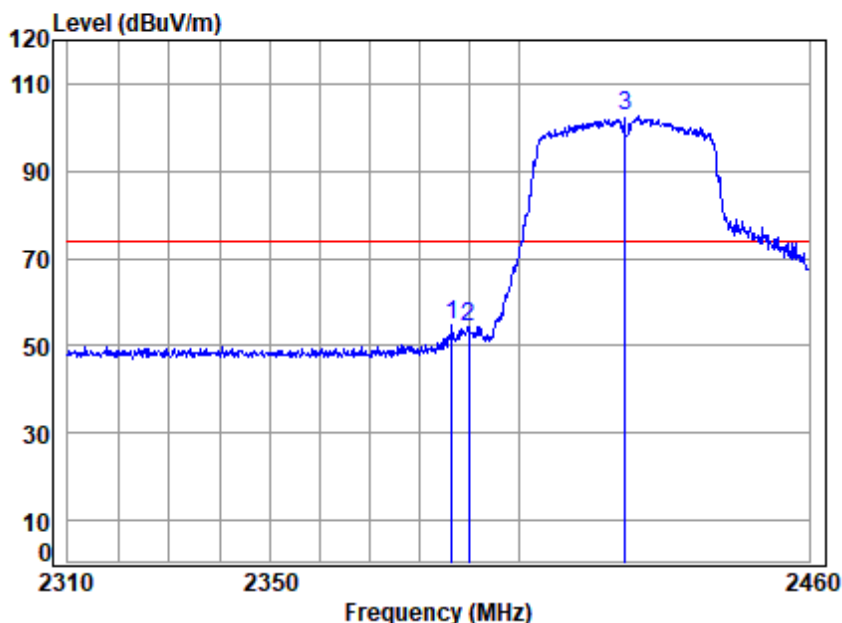
Mode : 2462 Band edge

: 2.4G Wi-Fi 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	7.25	27.67	31.55	99.24	102.61	54.00	48.61	Average
2	2483.500	7.40	27.80	31.55	43.19	46.84	54.00	-7.16	Average
3	2483.790	7.40	27.80	31.55	42.48	46.13	54.00	-7.87	Average



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

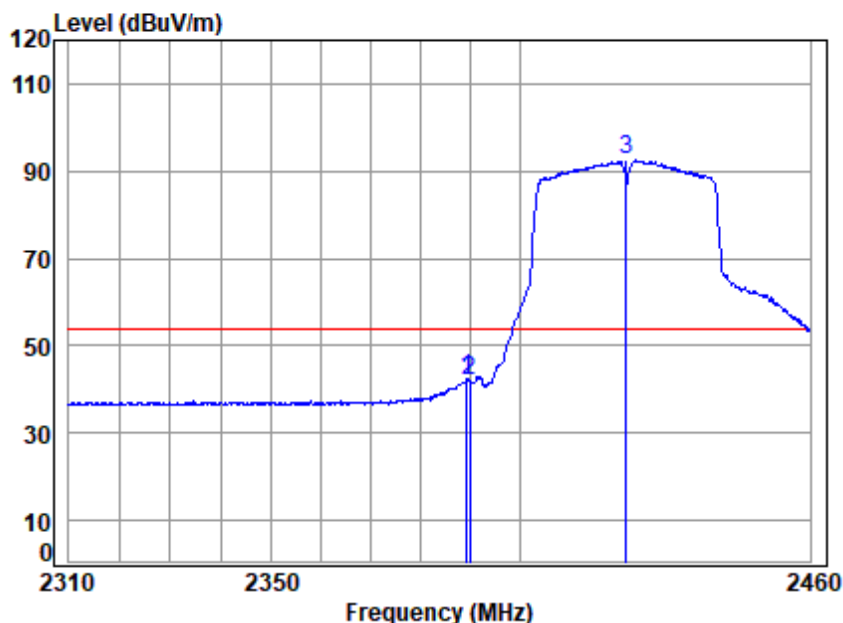
Mode : 2422 Band edge

: 2.4G Wi-Fi 11N40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2386.521	6.82	27.45	31.54	51.95	54.68	74.00 -19.32 peak
2	2390.000	6.83	27.46	31.54	51.56	54.31	74.00 -19.69 peak
3	pp 2422.000	6.98	27.54	31.54	99.46	102.44	74.00 28.44 peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

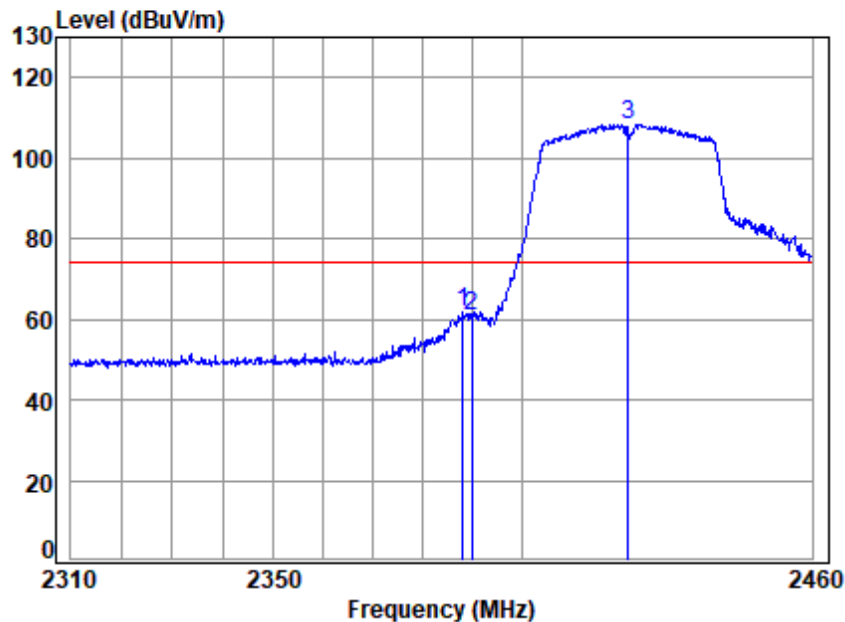
Mode : 2422 Band edge

: 2.4G Wi-Fi 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2389.376	6.82	27.46	31.54	39.57	42.31	54.00	-11.69 Average
2	2390.000	6.83	27.46	31.54	39.38	42.13	54.00	-11.87 Average
3 pp	2422.000	6.98	27.54	31.54	89.43	92.41	54.00	38.41 Average



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

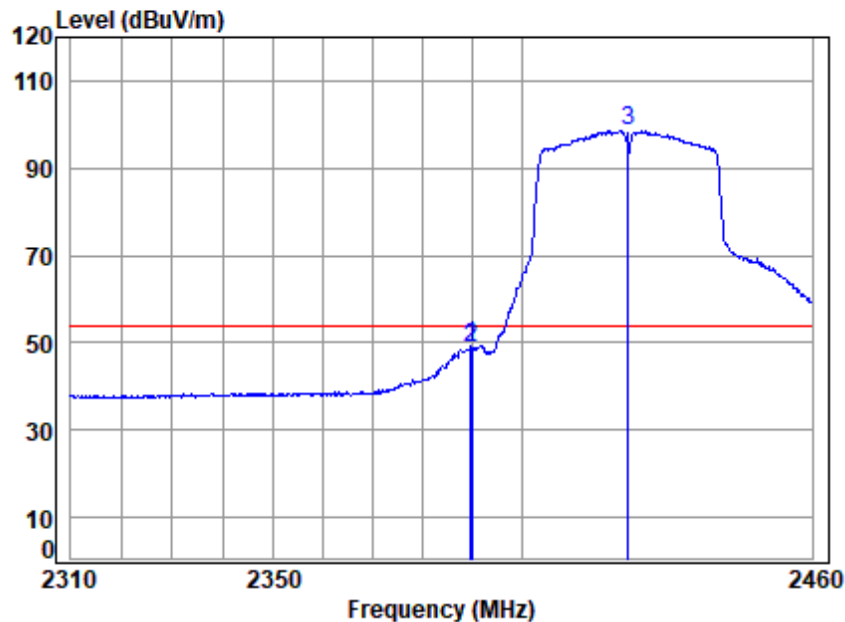
Mode : 2422 Band edge

: 2.4G Wi-Fi 11N40

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2388.174	6.82	27.45	31.54	58.82	61.55	74.00 -12.45 peak
2	2390.000	6.83	27.46	31.54	58.28	61.03	74.00 -12.97 peak
3	pp 2422.000	6.98	27.54	31.54	105.34	108.32	74.00 34.32 peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

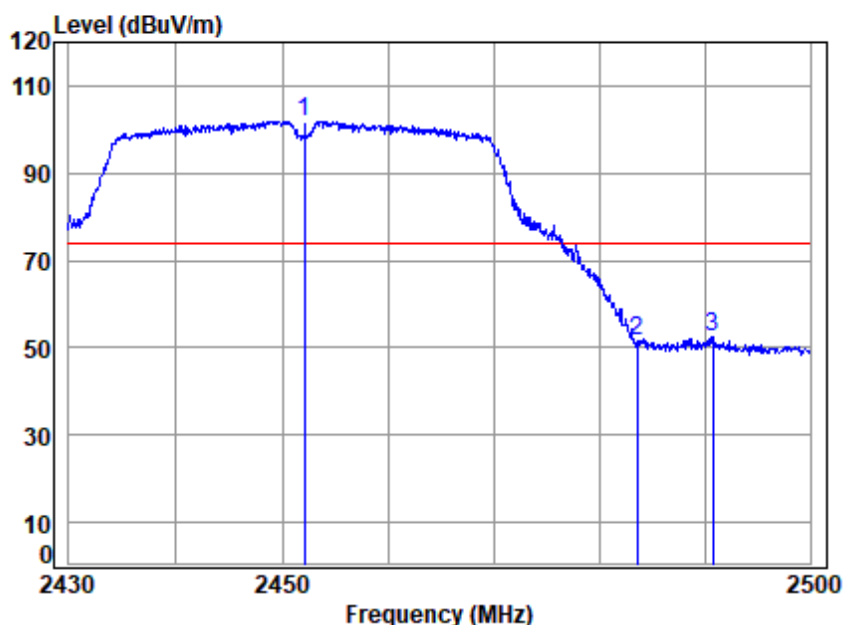
Mode : 2422 Band edge

: 2.4G Wi-Fi 11N40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 2389.827	6.83	27.46	31.54	46.32	49.07	54.00	-4.93	Average
2 2390.000	6.83	27.46	31.54	46.04	48.79	54.00	-5.21	Average
3 pp 2422.000	6.98	27.54	31.54	95.59	98.57	54.00	44.57	Average



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

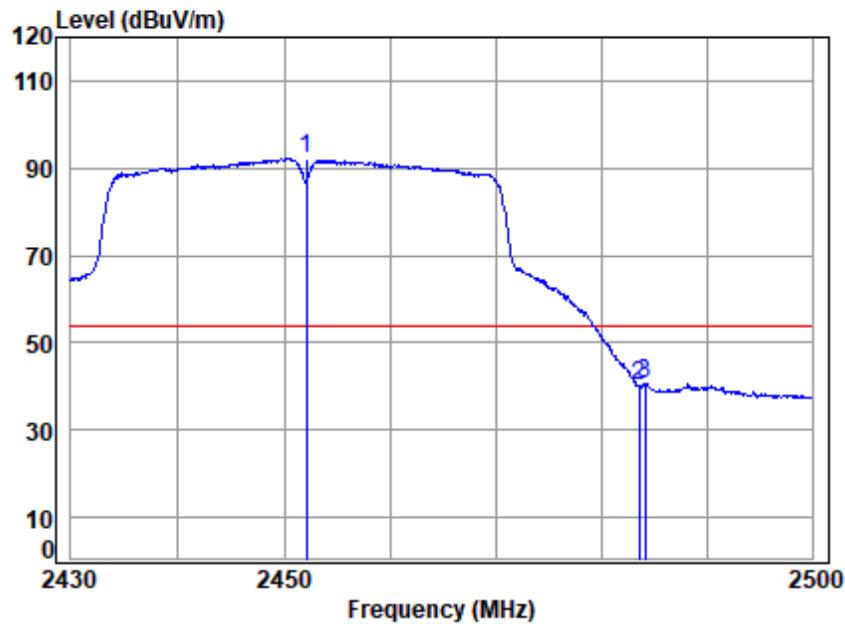
Mode : 2452 Band edge

: 2.4G Wi-Fi 11N40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2452.000	7.19	27.61	31.55	98.66	101.91	74.00	27.91	peak
2	2483.500	7.40	27.80	31.55	47.69	51.34	74.00	-22.66	peak
3	2490.717	7.45	27.84	31.55	48.62	52.36	74.00	-21.64	peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

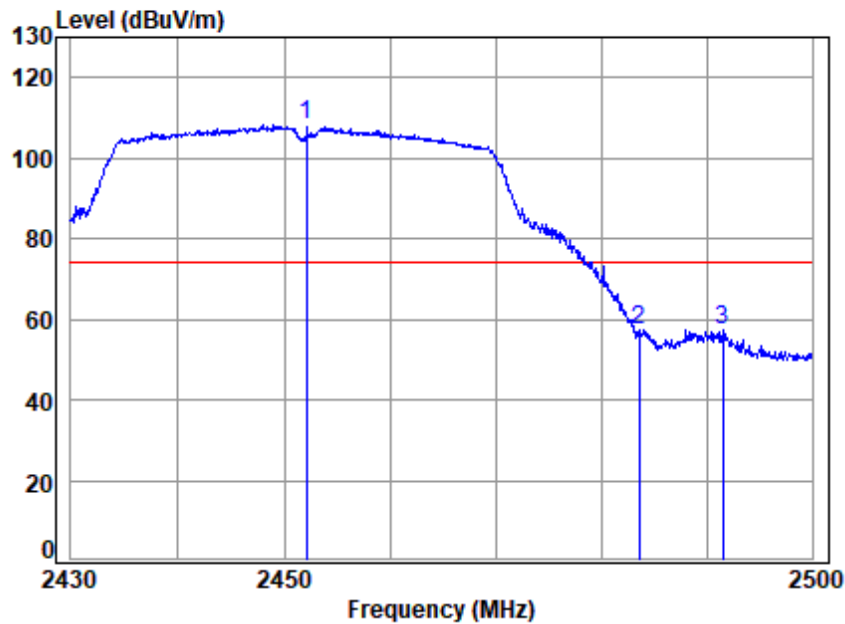
Mode : 2452 Band edge

: 2.4G Wi-Fi 11N40

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	2452.000	7.19	27.61	31.55	88.96	92.21	54.00	38.21 Average
2	2483.500	7.40	27.80	31.55	36.39	40.04	54.00	-13.96 Average
3	2484.076	7.40	27.80	31.55	36.88	40.53	54.00	-13.47 Average



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

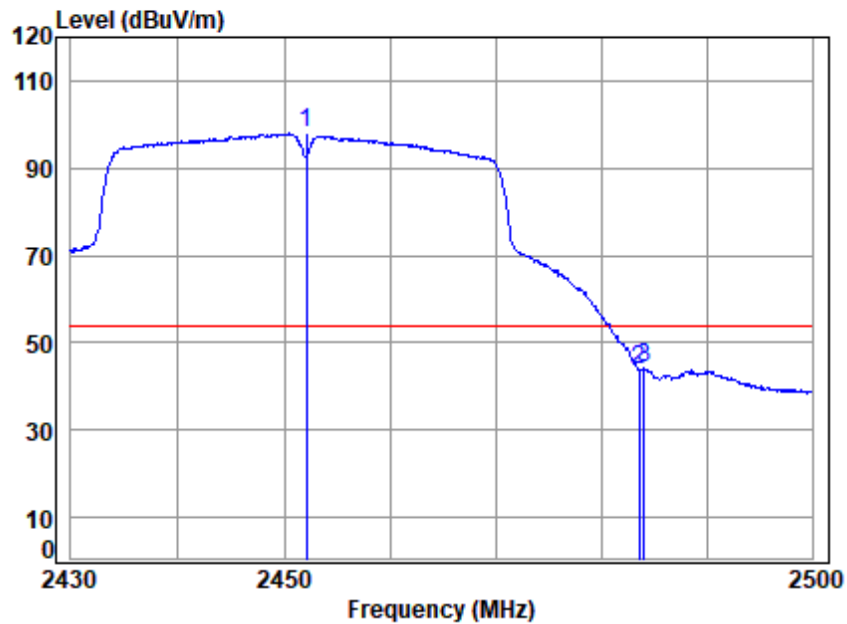
Mode : 2452 Band edge

: 2.4G Wi-Fi 11N40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2452.000	7.19	27.61	31.55	104.90	108.15	74.00	34.15	peak
2	2483.500	7.40	27.80	31.55	53.55	57.20	74.00	-16.80	peak
3	2491.495	7.45	27.85	31.55	53.37	57.12	74.00	-16.88	peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

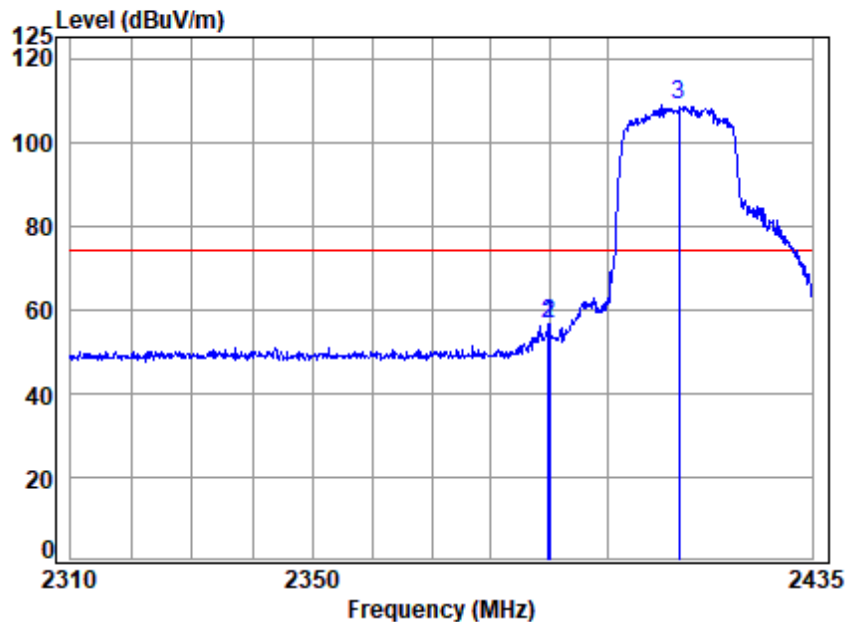
Mode : 2452 Band edge

: 2.4G Wi-Fi 11N40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2452.000	7.19	27.61	31.55	94.63	97.88	54.00	43.88	Average
2	2483.500	7.40	27.80	31.55	40.28	43.93	54.00	-10.07	Average
3	2484.006	7.40	27.80	31.55	40.46	44.11	54.00	-9.89	Average



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

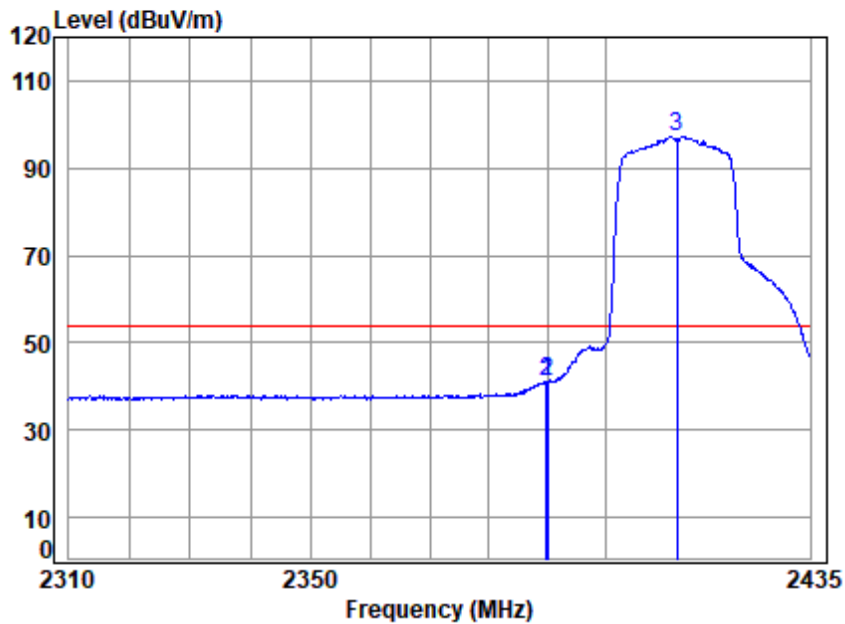
Mode : 2412 Band edge

: 2.4G Wi-Fi 11AX20

	Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 2389.869	6.83	27.46	31.54	53.73	56.48	74.00	-17.52 peak
2 2390.000	6.83	27.46	31.54	53.68	56.43	74.00	-17.57 peak
3 pp 2412.000	6.91	27.52	31.54	105.94	108.83	74.00	34.83 peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

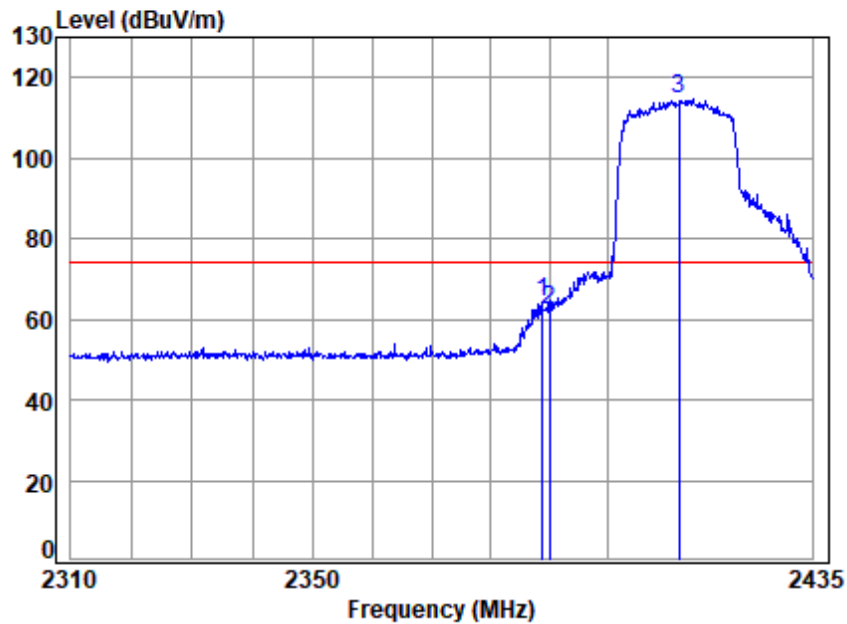
Mode : 2412 Band edge

: 2.4G Wi-Fi 11AX20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 2389.743	6.82	27.46	31.54	38.43	41.17	54.00	-12.83	Average
2 2390.000	6.83	27.46	31.54	38.24	40.99	54.00	-13.01	Average
3 pp 2412.000	6.91	27.52	31.54	94.52	97.41	54.00	43.41	Average



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

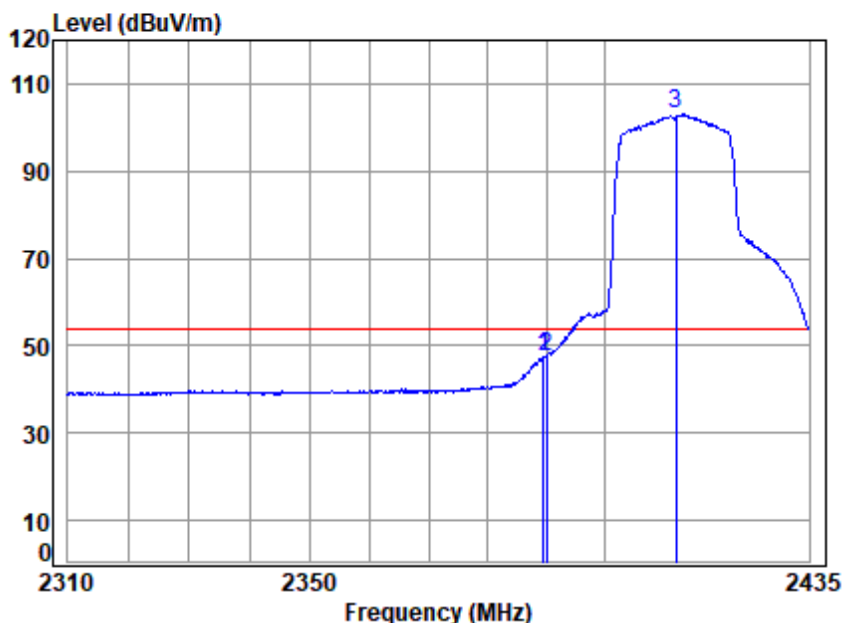
Mode : 2412 Band edge

: 2.4G Wi-Fi 11AX20

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2388.736	6.82	27.45	31.54	61.28	64.01	74.00	-9.99 peak
2	2390.000	6.83	27.46	31.54	59.75	62.50	74.00	-11.50 peak
3	2412.000	6.91	27.52	31.54	111.68	114.57	74.00	40.57 peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

Mode : 2412 Band edge

: 2.4G Wi-Fi 11AX20

		Cable	Ant	Preamp	Read	Limit	Over	
	Freq	Loss	Factor	Factor	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	2389.491	6.82	27.46	31.54	44.83	47.57	54.00	-6.43 Average
2	2390.000	6.83	27.46	31.54	44.89	47.64	54.00	-6.36 Average
3	2412.000	6.91	27.52	31.54	100.17	103.06	54.00	49.06 Average



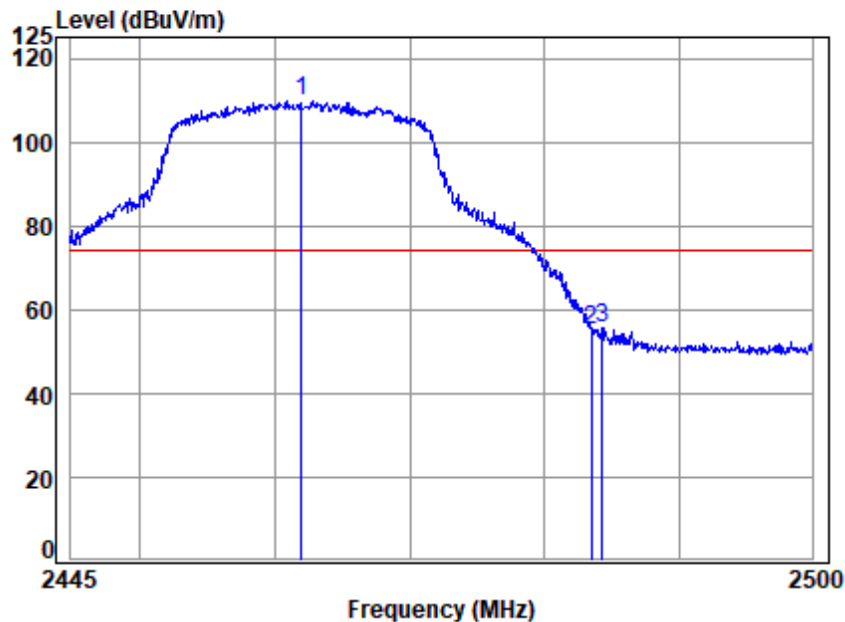
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

Mode : 2462 Band edge

: 2.4G Wi-Fi 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	7.25	27.67	31.55	106.58	109.95	74.00	35.95	peak
2	2483.500	7.40	27.80	31.55	51.47	55.12	74.00	-18.88	peak
3	2484.311	7.41	27.81	31.55	52.07	55.74	74.00	-18.26	peak



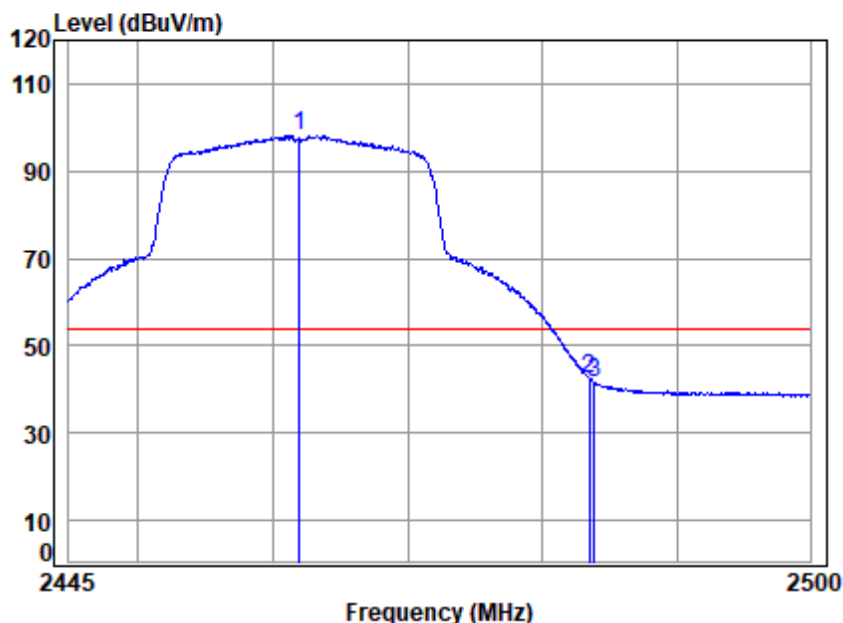
SGS-CSTC Standards Technical Services Co., Ltd.
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Test Mode: 01; Polarity: Horizontal; Modulation:802.11ax(Full RU0); Bandwidth:20MHz; Channel:High



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

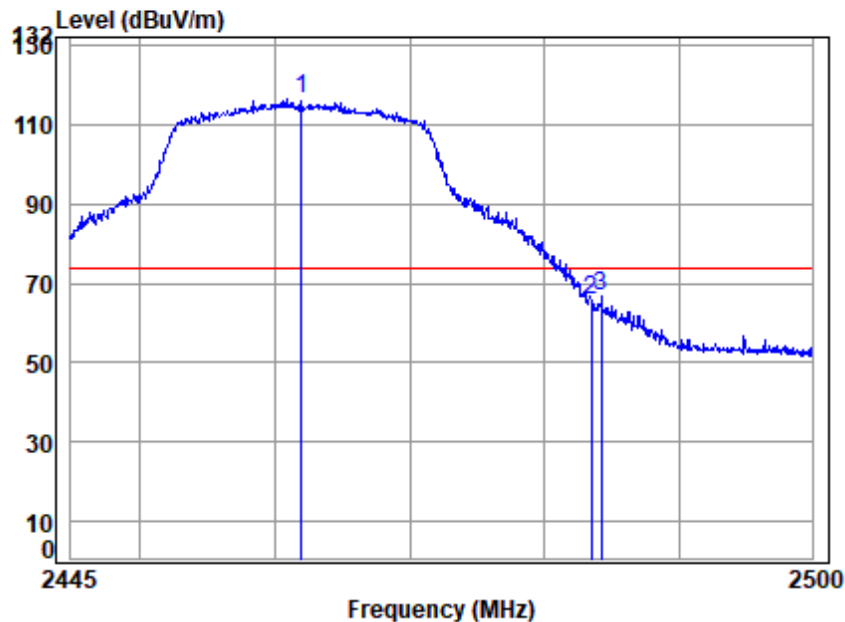
Mode : 2462 Band edge

: 2.4G Wi-Fi 11AX20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	7.25	27.67	31.55	94.85	98.22	54.00	44.22	Average
2	2483.500	7.40	27.80	31.55	38.80	42.45	54.00	-11.55	Average
3	2483.869	7.40	27.80	31.55	37.97	41.62	54.00	-12.38	Average



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

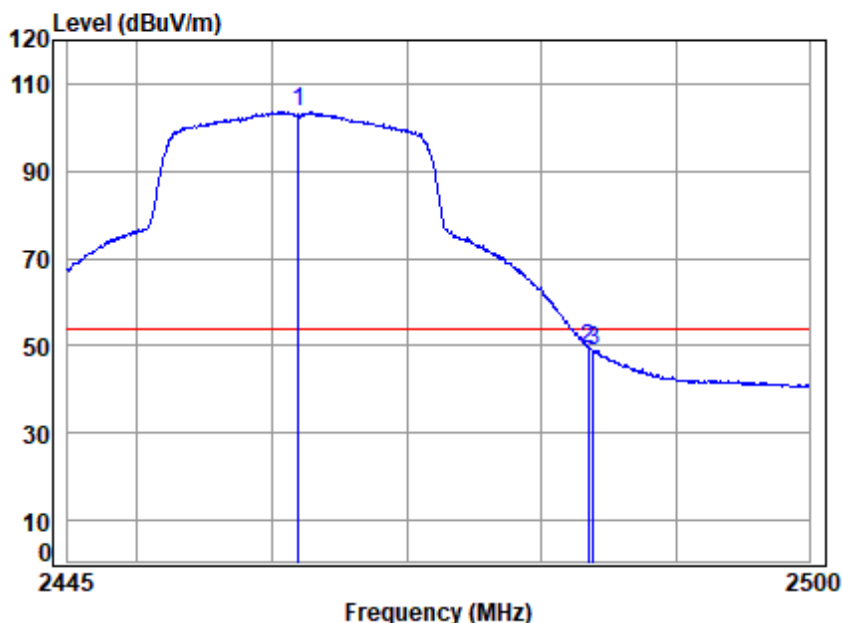
Mode : 2462 Band edge

: 2.4G Wi-Fi 11AX20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	7.25	27.67	31.55	113.05	116.42	74.00	42.42	peak
2	2483.500	7.40	27.80	31.55	62.25	65.90	74.00	-8.10	peak
3	2484.255	7.40	27.81	31.55	62.94	66.60	74.00	-7.40	peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

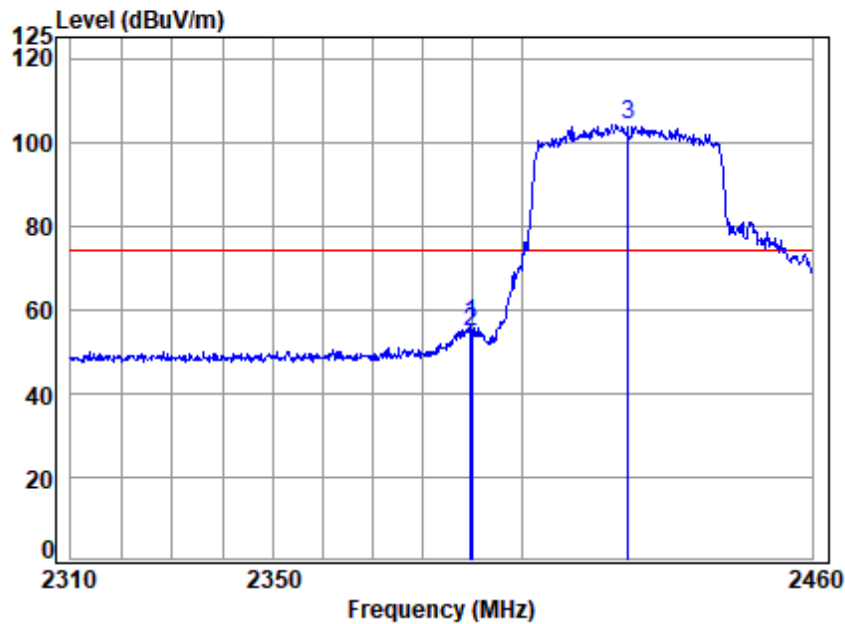
Mode : 2462 Band edge

: 2.4G Wi-Fi 11AX20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2462.000	7.25	27.67	31.55	100.36	103.73	54.00	49.73	Average
2	2483.500	7.40	27.80	31.55	45.68	49.33	54.00	-4.67	Average
3	2483.869	7.40	27.80	31.55	45.31	48.96	54.00	-5.04	Average



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

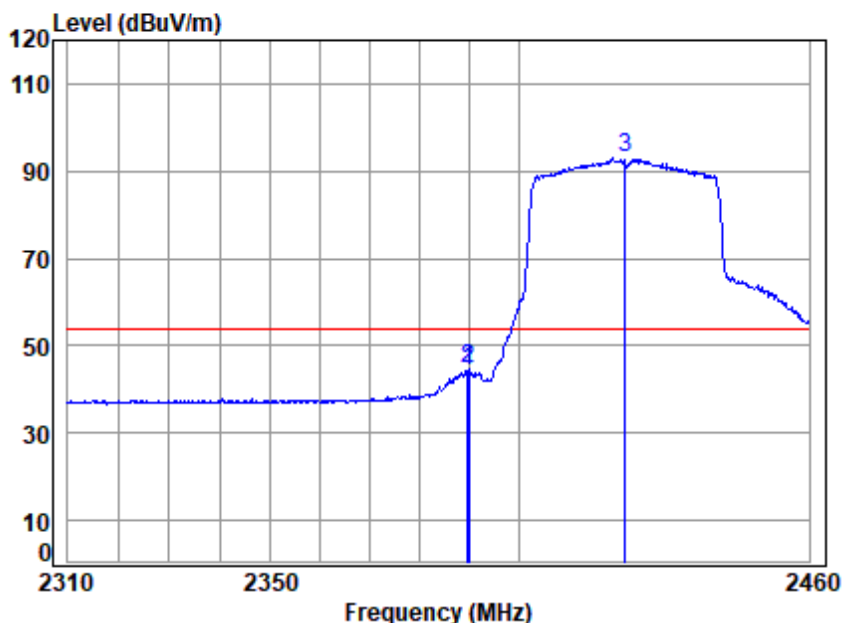
Mode : 2422 Band edge

: 2.4G Wi-Fi 11AX40

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.677	6.82	27.46	31.54	53.98	56.72	74.00	-17.28 peak
2	2390.000	6.83	27.46	31.54	51.95	54.70	74.00	-19.30 peak
3	pp 2422.000	6.98	27.54	31.54	101.01	103.99	74.00	29.99 peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

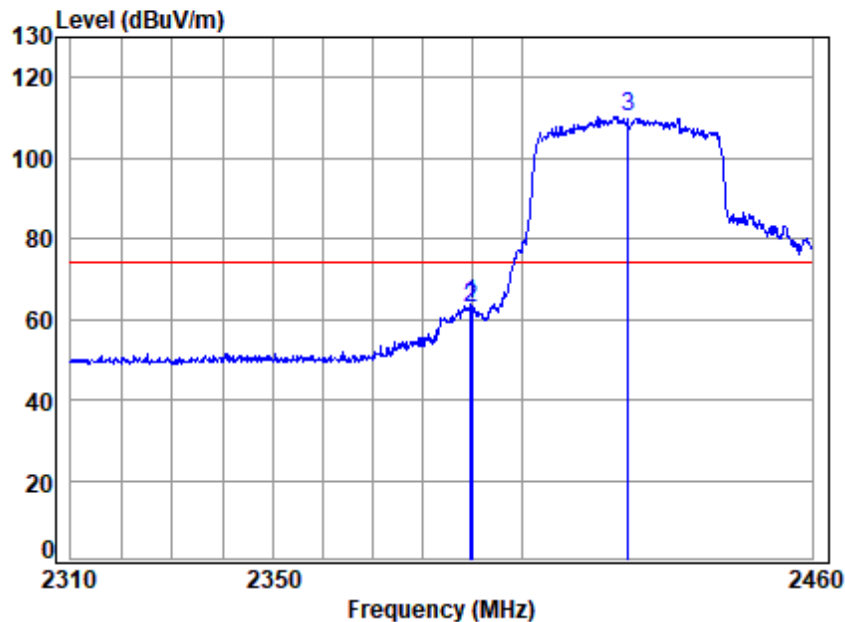
Mode : 2422 Band edge

: 2.4G Wi-Fi 11AX40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.827	6.83	27.46	31.54	41.30	44.05	54.00	-9.95	Average
2	2390.000	6.83	27.46	31.54	41.74	44.49	54.00	-9.51	Average
3 pp	2422.000	6.98	27.54	31.54	90.00	92.98	54.00	38.98	Average



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

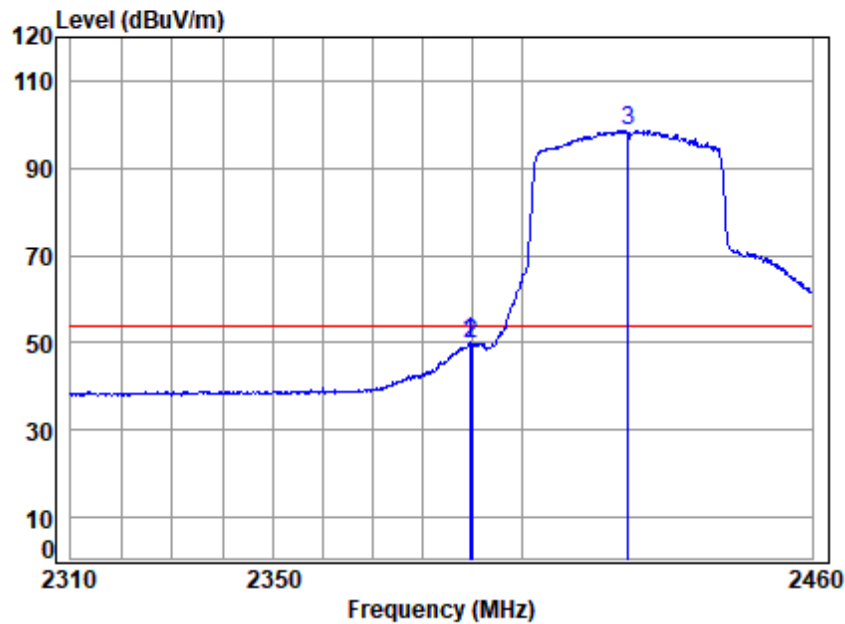
Mode : 2422 Band edge

: 2.4G Wi-Fi 11AX40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	2389.827	6.83	27.46	31.54	61.16	63.91	74.00	-10.09	peak
2	2390.000	6.83	27.46	31.54	60.12	62.87	74.00	-11.13	peak
3 pp	2422.000	6.98	27.54	31.54	107.42	110.40	74.00	36.40	peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

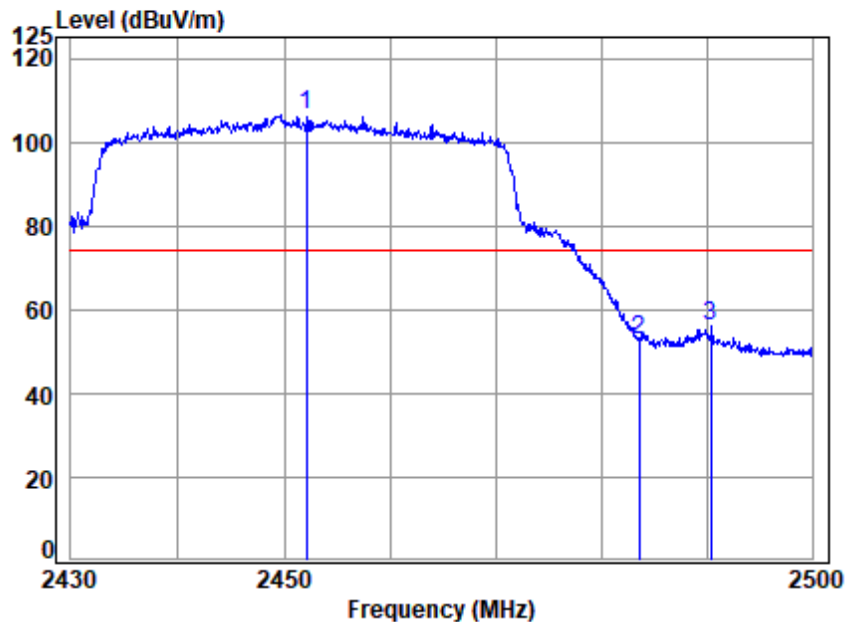
Mode : 2422 Band edge

: 2.4G Wi-Fi 11AX40

	Cable	Ant	Preamp	Read	Limit	Over		
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 2389.526	6.82	27.46	31.54	47.40	50.14	54.00	-3.86	Average
2 2390.000	6.83	27.46	31.54	46.95	49.70	54.00	-4.30	Average
3 pp 2422.000	6.98	27.54	31.54	95.80	98.78	54.00	44.78	Average



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

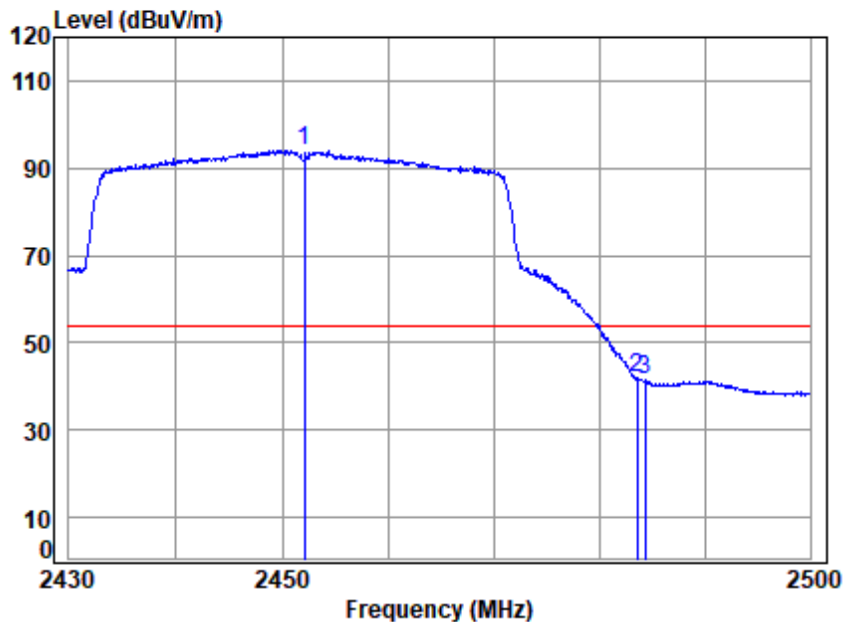
Mode : 2452 Band edge

: 2.4G Wi-Fi 11AX40

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
2452.000	7.19	27.61	31.55	103.30	106.55	74.00	32.55	peak
2483.500	7.40	27.80	31.55	49.02	52.67	74.00	-21.33	peak
2490.363	7.45	27.84	31.55	52.21	55.95	74.00	-18.05	peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

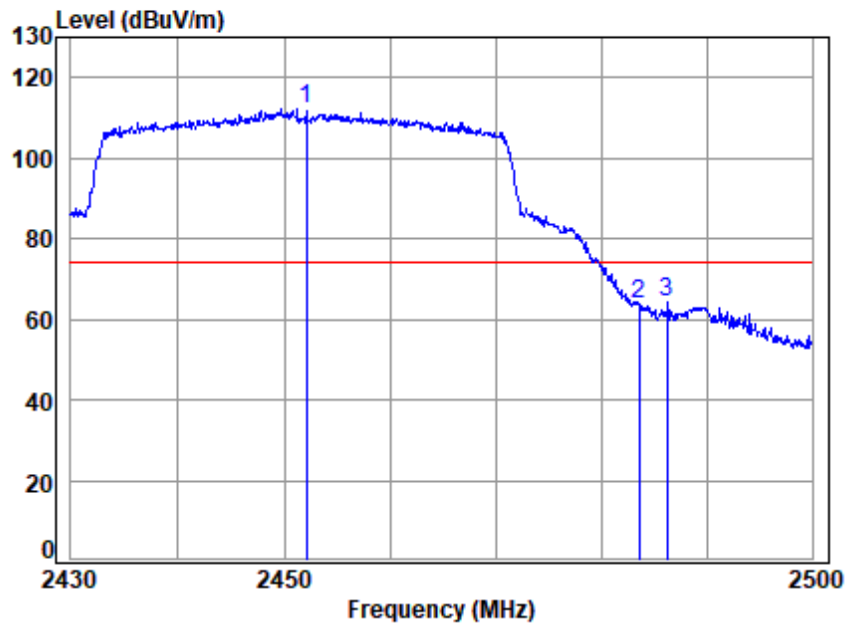
Mode : 2452 Band edge

: 2.4G Wi-Fi 11AX40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2452.000	7.19	27.61	31.55	90.80	94.05	54.00	40.05	Average
2	2483.500	7.40	27.80	31.55	38.19	41.84	54.00	-12.16	Average
3	2484.288	7.40	27.81	31.55	38.02	41.68	54.00	-12.32	Average



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

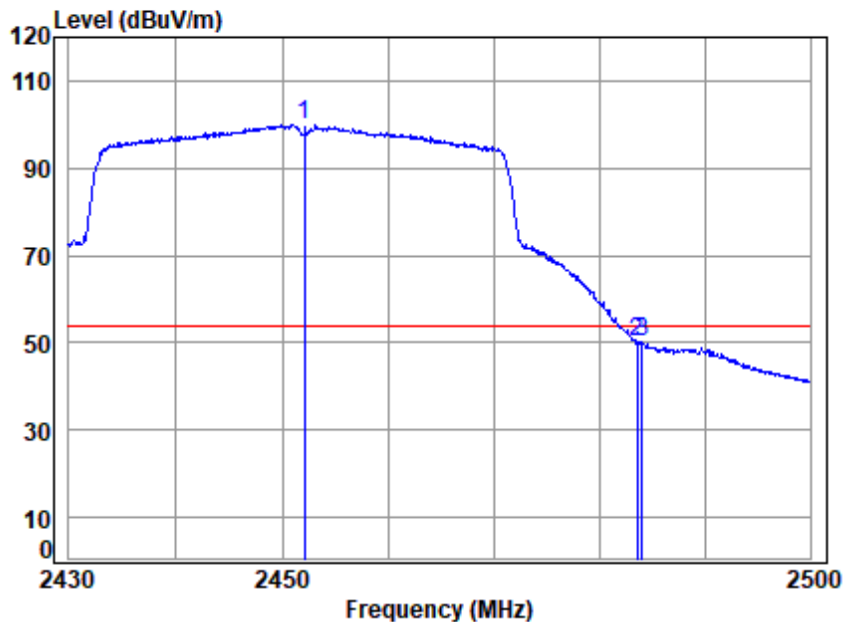
Mode : 2452 Band edge

: 2.4G Wi-Fi 11AX40

	Cable	Ant	Preamp	Read		Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
2452.000	7.19	27.61	31.55	109.16	112.41	74.00	38.41	peak
2483.500	7.40	27.80	31.55	59.87	63.52	74.00	-10.48	peak
2486.194	7.42	27.82	31.55	60.65	64.34	74.00	-9.66	peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

Mode : 2452 Band edge

: 2.4G Wi-Fi 11AX40

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2452.000	7.19	27.61	31.55	96.69	99.94	54.00	45.94	Average
2	2483.500	7.40	27.80	31.55	46.38	50.03	54.00	-3.97	Average
3	2484.006	7.40	27.80	31.55	46.38	50.03	54.00	-3.97	Average



7.3 Radiated Spurious Emissions Below 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2020) Section 6.4,6.5

Measurement Distance: 3m

Limit:

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

7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 23.4 °C

Humidity: 42.5 % RH

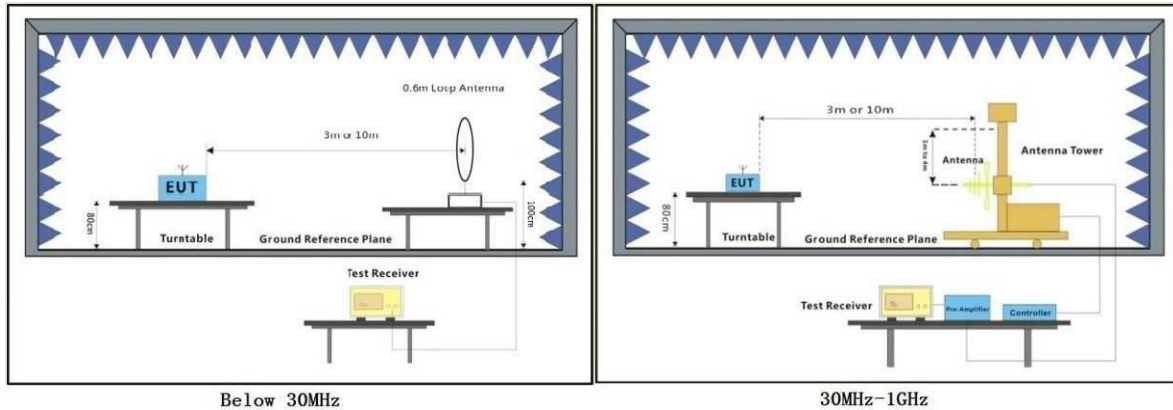
Atmospheric Pressure: 1020 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT(with Antenna B) in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40). Only the data of worst case is recorded in the report.
Pre-scan	01	TX mode_Keep the EUT(with Antenna A) in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40). Only the data of worst case is recorded in the report.



7.3.3 Test Setup Diagram



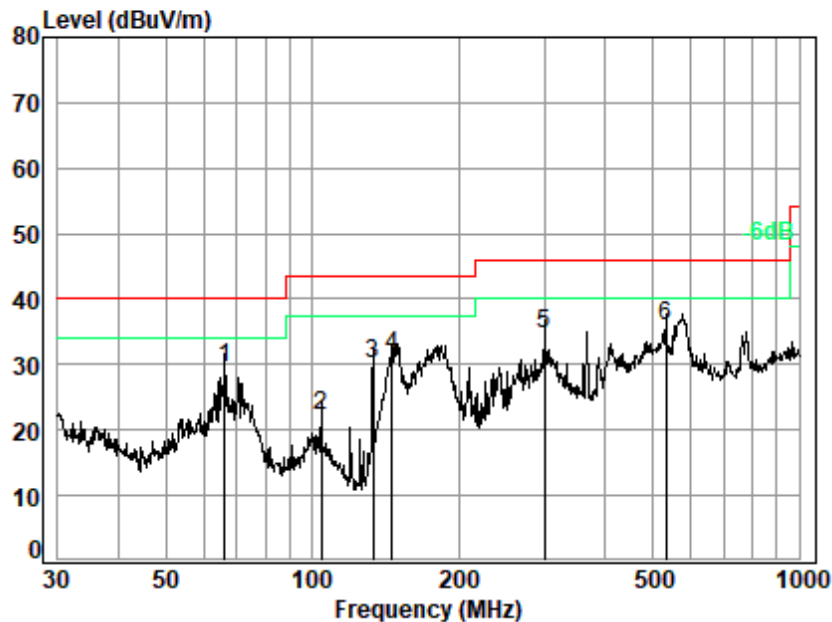
7.3.4 Measurement Procedure and Data

- 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.
- 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.
- 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.
- 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.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- 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.
- Test the EUT in the lowest channel, the middle channel, the Highest channel.
- 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.
- Repeat above procedures until all frequencies measured was complete.

Remark:

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

Test Mode: 00; Polarity: Horizontal



Site : chamber

Condition: 3m HORIZONTAL

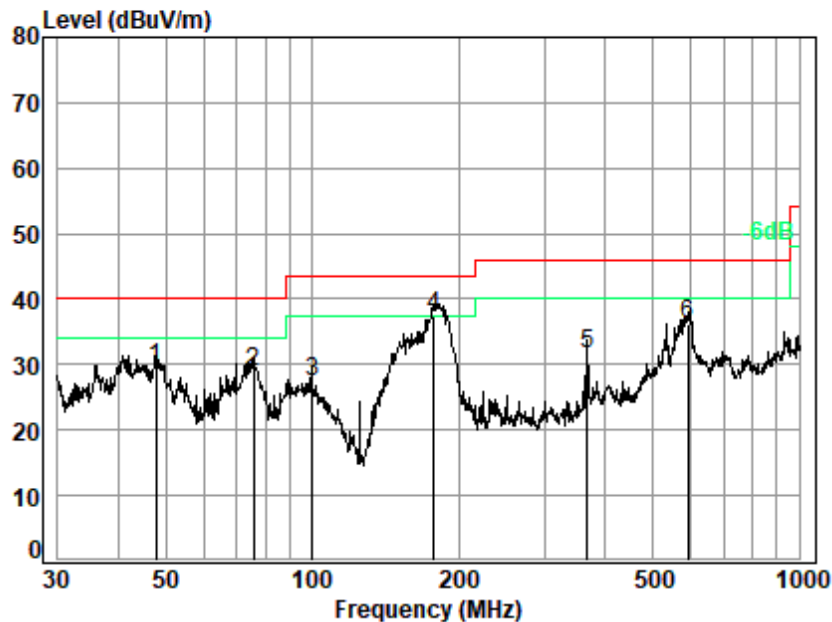
Job No. : 03337AT/03338AT

Test Mode: 00

		Ant	Cable	Preamp	Read		Limit	Over	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	66.034	10.93	0.96	27.62	45.32	29.59	40.00	-10.41	QP
2	104.170	12.22	1.25	27.61	36.47	22.33	43.50	-21.17	QP
3	133.151	11.21	1.42	27.68	45.20	30.15	43.50	-13.35	QP
4	145.861	12.53	1.48	27.71	44.98	31.28	43.50	-12.22	QP
5	300.367	18.05	2.11	27.50	42.10	34.76	46.00	-11.24	QP
6 q	533.832	23.39	2.91	28.00	37.57	35.87	46.00	-10.13	QP



Test Mode: 00; Polarity: Vertical



Site : chamber

Condition: 3m VERTICAL

Job No. : 03337AT/03338AT

Test Mode: 00

		Ant	Cable	Preamp	Read	Limit	Over	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	47.826	13.36	0.88	27.63	42.79	29.40	40.00	-10.60 QP
2	75.711	10.38	1.05	27.61	45.15	28.97	40.00	-11.03 QP
3	99.878	12.29	1.22	27.60	41.52	27.43	43.50	-16.07 QP
4 q	178.133	14.01	1.62	27.77	49.53	37.39	43.50	-6.11 QP
5	366.823	20.35	2.38	27.67	36.72	31.78	46.00	-14.22 QP
6	590.974	24.44	3.08	28.09	36.66	36.09	46.00	-9.91 QP



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7.4 Radiated Spurious Emissions Above 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

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

Measurement Distance: 3m

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
Above 1000	500	3

7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 21.9 °C

Humidity: 55.0 % RH

Atmospheric Pressure: 1020 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT(with Antenna B) in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40). Only the data of worst case is recorded in the report.
Final test	01	TX mode_Keep the EUT(with Antenna A) in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40). Only the data of worst case is recorded in the report.



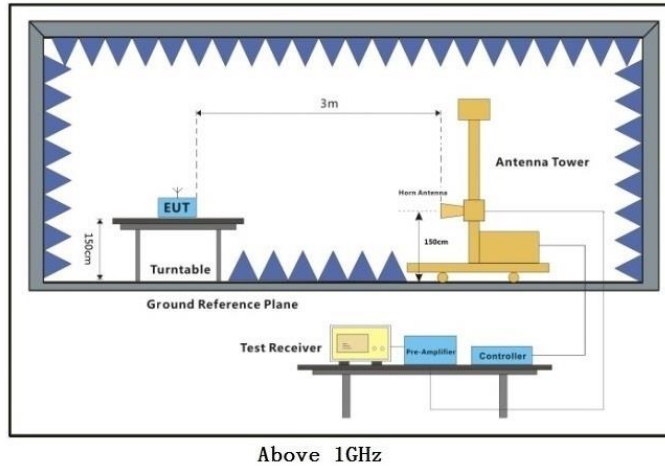
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7.4.3 Test Setup Diagram



7.4.4 Measurement Procedure and Data

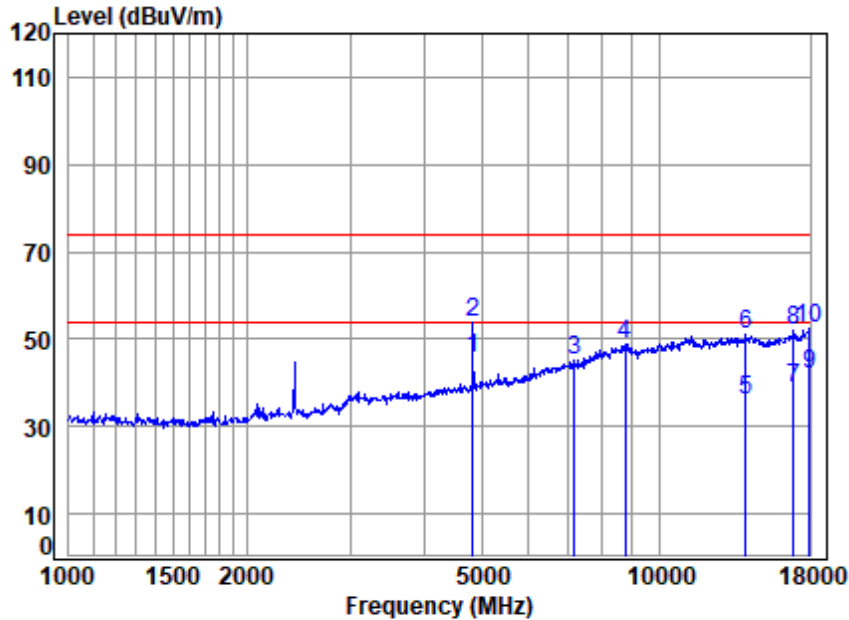
- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which 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 1GHz to 25GHz, 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 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.
- 5:For fundamental and harmonic signal measurement, the resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is $\geq 1/T$ (Duty cycle<98%) or 10Hz (Duty cycle $\geq 98\%$) for Average detection (AV) at frequency above 1GHz.



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

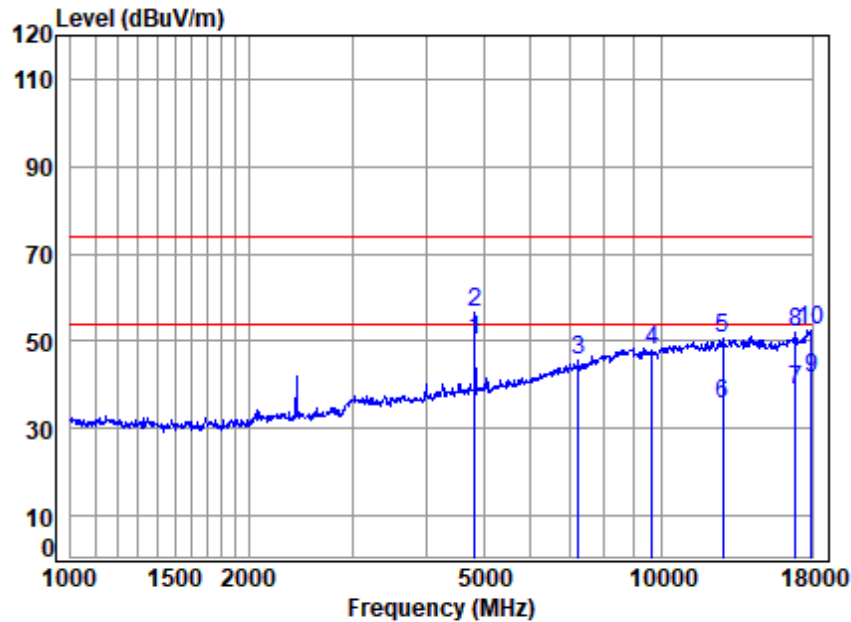
Mode : 2412 TX RSE

: 2.4G Wi-Fi 11B

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 4824.000	8.92	32.00	56.18	60.77	45.51	54.00	-8.49	Average
2	pk 4824.000	8.92	32.00	56.18	68.88	53.62	74.00	-20.38	peak
3	7179.527	11.13	36.56	56.56	54.06	45.19	74.00	-28.81	Peak
4	8738.852	12.11	38.52	55.24	53.65	49.04	74.00	-24.96	Peak
5	13997.930	16.53	39.90	54.40	33.80	35.83	54.00	-18.17	Average
6	13997.930	16.53	39.90	54.40	48.94	50.97	74.00	-23.03	Peak
7	16891.040	19.64	39.60	54.27	33.92	38.89	54.00	-15.11	Average
8	16891.040	19.64	39.60	54.27	46.96	51.93	74.00	-22.07	Peak
9	17948.050	18.75	43.44	54.49	34.48	42.18	54.00	-11.82	Average
10	17948.050	18.75	43.44	54.49	44.70	52.40	74.00	-21.60	peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

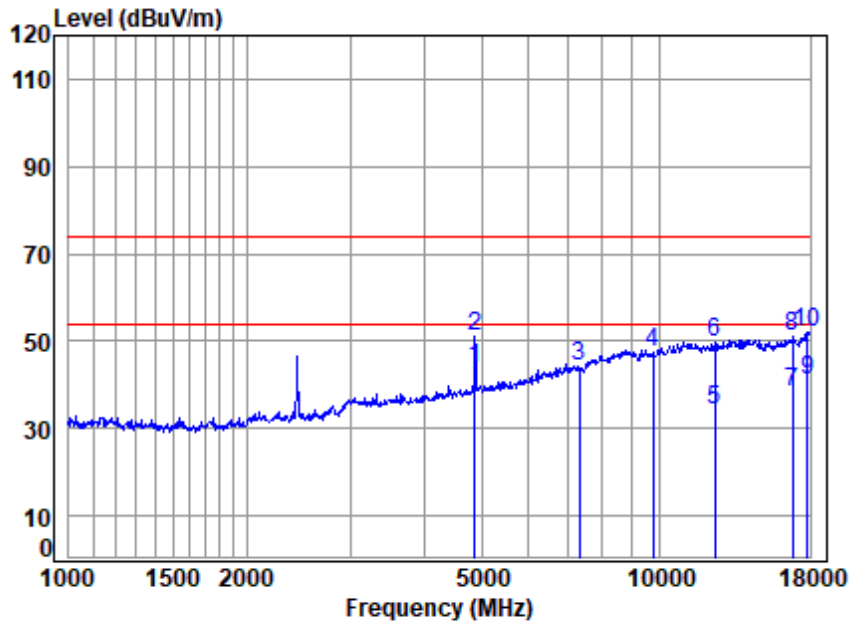
Mode : 2412 TX RSE

: 2.4G Wi-Fi 11B

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp 4824.000	8.92	31.97	56.17	65.51	50.23	54.00	-3.77	Average
2 pk 4824.000	8.92	32.00	56.18	71.62	56.36	74.00	-17.64	peak
3 7236.000	11.10	36.60	56.51	54.58	45.77	74.00	-28.23	peak
4 9648.000	12.49	38.70	54.42	50.93	47.70	74.00	-26.30	peak
5 12687.750	14.92	40.19	54.28	49.65	50.48	74.00	-23.52	Peak
6 12687.750	14.92	40.19	54.28	34.87	35.70	54.00	-18.30	Average
7 16891.040	19.64	39.60	54.27	33.67	38.64	54.00	-15.36	Average
8 16891.040	19.64	39.60	54.27	47.12	52.09	74.00	-21.91	Peak
9 17948.050	18.75	43.44	54.49	33.94	41.64	54.00	-12.36	Average
10 17948.050	18.75	43.44	54.49	44.95	52.65	74.00	-21.35	peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

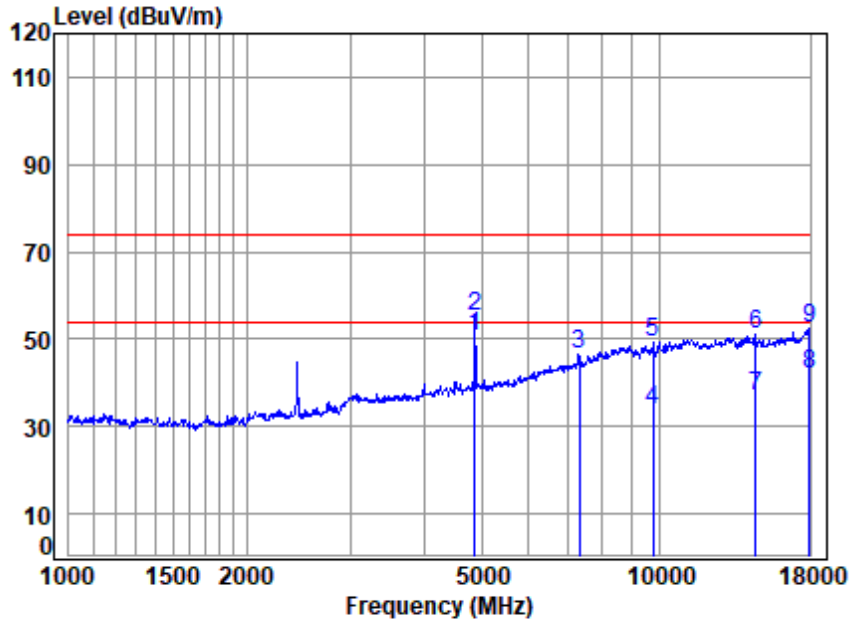
Mode : 2437 TX RSE

: 2.4G Wi-Fi 11B

		Cable	Ant	Preamp	Read	Limit	Over	
Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	4874.000	8.97	32.15	56.21	58.76	43.67	54.00	-10.33 Average
2	4874.000	8.97	32.15	56.21	66.21	51.12	74.00	-22.88 peak
3	7311.000	11.11	36.72	56.45	52.70	44.08	74.00	-29.92 peak
4	9748.000	12.80	38.60	54.33	50.42	47.49	74.00	-26.51 peak
5	12433.620	14.79	39.90	54.10	33.43	34.02	54.00	-19.98 Average
6	12433.620	14.79	39.90	54.10	49.28	49.87	74.00	-24.13 Peak
7	16842.290	18.46	39.60	54.25	34.42	38.23	54.00	-15.77 Average
8	16842.290	18.46	39.60	54.25	47.24	51.05	74.00	-22.95 Peak
9	17793.090	19.13	42.45	54.46	33.79	40.91	54.00	-13.09 Average
10 pk	17793.090	19.13	42.45	54.46	45.07	52.19	74.00	-21.81 peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

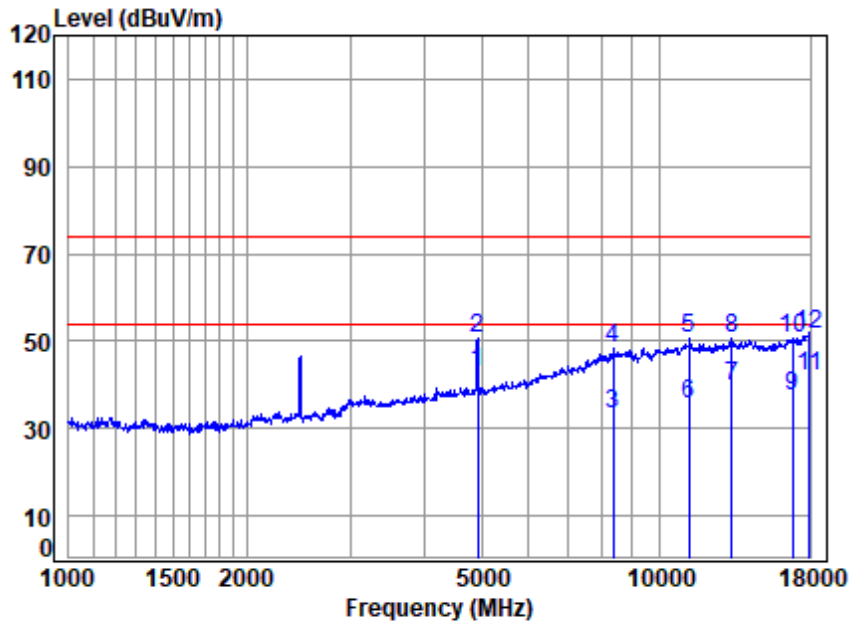
Mode : 2437 TX RSE

: 2.4G Wi-Fi 11B

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 4874.000	8.97	32.15	56.21	65.53	50.44	54.00	-3.56	Average
2	pk 4874.000	8.97	32.15	56.21	70.49	55.40	74.00	-18.60	peak
3	7311.000	11.11	36.72	56.45	54.98	46.36	74.00	-27.64	peak
4	9748.000	12.80	38.60	54.33	36.49	33.56	54.00	-20.44	Average
5	9748.000	12.80	38.60	54.33	52.35	49.42	74.00	-24.58	peak
6	14533.910	16.36	39.43	54.35	49.53	50.97	74.00	-23.03	Peak
7	14533.910	16.36	39.43	54.35	35.35	36.79	54.00	-17.21	Average
8	17948.050	18.75	43.44	54.49	34.18	41.88	54.00	-12.12	Average
9	17948.050	18.75	43.44	54.49	44.91	52.61	74.00	-21.39	peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

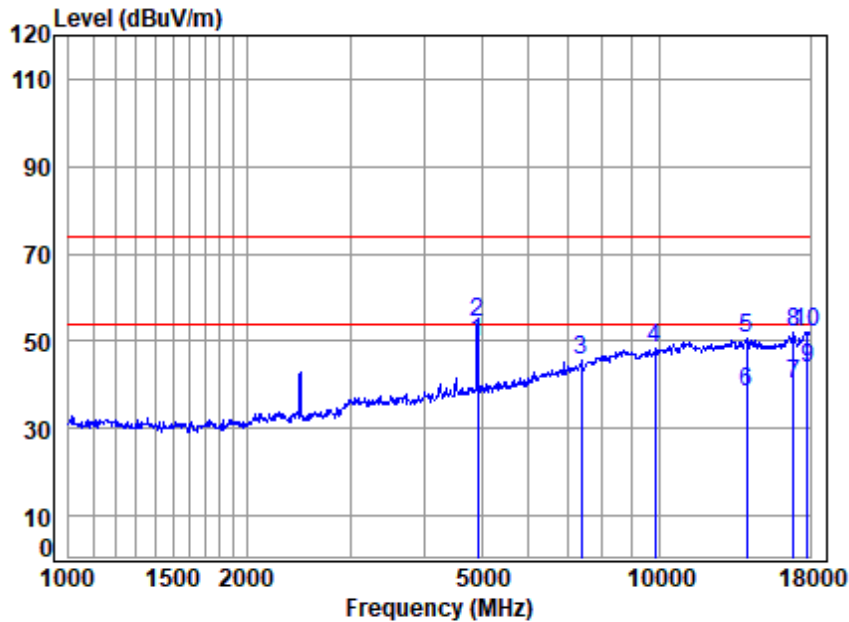
Mode : 2462 TX RSE

: 2.4G Wi-Fi 11B

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 4924.000	9.03	32.20	56.25	57.92	42.90	54.00	-11.10	Average
2	4924.000	9.03	32.20	56.25	65.60	50.58	74.00	-23.42	peak
3	8368.069	11.62	38.66	55.57	38.68	33.39	54.00	-20.61	Average
4	8368.069	11.62	38.66	55.57	53.55	48.26	74.00	-25.74	Peak
5	11237.330	14.30	39.64	53.57	50.16	50.53	74.00	-23.47	Peak
6	11237.330	14.30	39.64	53.57	35.23	35.60	54.00	-18.40	Average
7	13288.280	15.99	40.29	54.47	37.88	39.69	54.00	-14.31	Average
8	13288.280	15.99	40.29	54.47	48.65	50.46	74.00	-23.54	Peak
9	16842.290	18.46	39.60	54.25	33.64	37.45	54.00	-16.55	Average
10	16842.290	18.46	39.60	54.25	46.64	50.45	74.00	-23.55	Peak
11	17948.050	18.75	43.44	54.49	34.06	41.76	54.00	-12.24	Average
12	pk17948.050	18.75	43.44	54.49	43.78	51.48	74.00	-22.52	peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

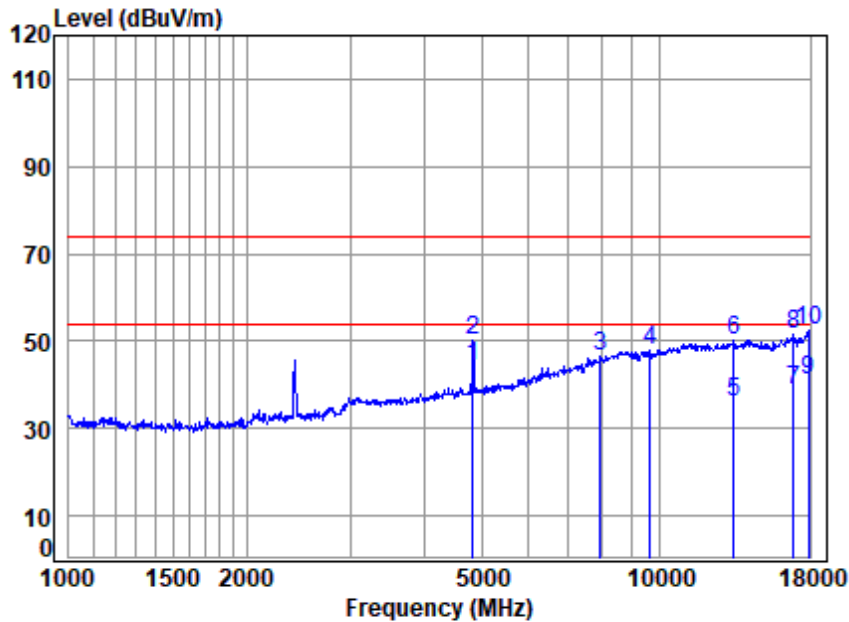
Mode : 2462 TX RSE

: 2.4G Wi-Fi 11B

		Cable	Ant	Preamp	Read		Limit	Over	
Freq		Loss	Factor	Factor	Level	Level	Line	Limit	Remark
MHz		dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 4924.000	9.03	32.20	56.25	64.91	49.89	54.00	-4.11	Average
2	pk 4924.000	9.03	32.20	56.25	69.09	54.07	74.00	-19.93	peak
3	7386.000	11.19	36.73	56.39	54.14	45.67	74.00	-28.33	peak
4	9848.000	12.84	37.83	54.24	52.06	48.49	74.00	-25.51	peak
5	14038.450	16.47	39.90	54.40	48.66	50.63	74.00	-23.37	Peak
6	14038.450	16.47	39.90	54.40	36.45	38.42	54.00	-15.58	Average
7	16891.040	19.64	39.60	54.27	35.12	40.09	54.00	-13.91	Average
8	16891.040	19.64	39.60	54.27	47.26	52.23	74.00	-21.77	Peak
9	17844.590	19.02	42.77	54.47	36.59	43.91	54.00	-10.09	Average
10	17844.590	19.02	42.77	54.47	44.92	52.24	74.00	-21.76	peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

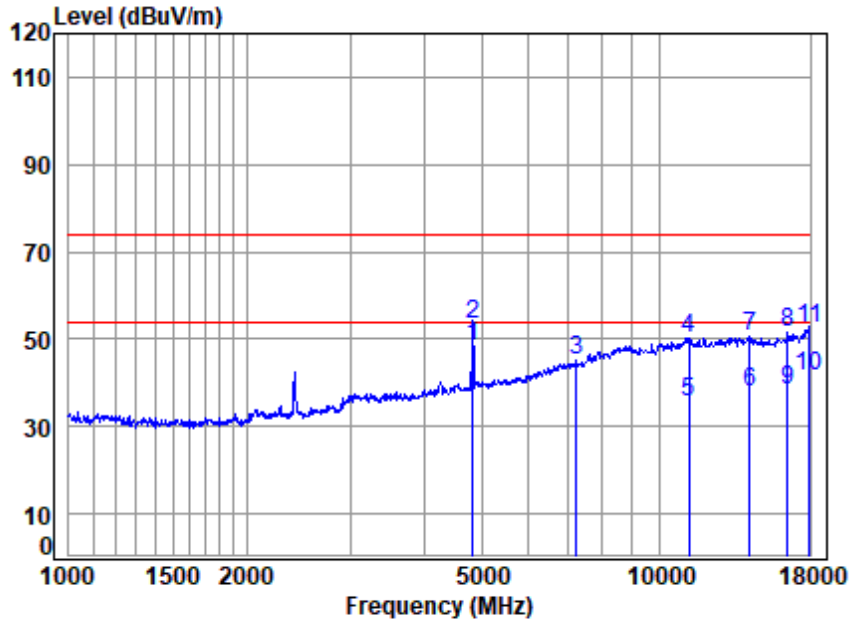
Mode : 2412 TX RSE

: 2.4G Wi-Fi 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 4824.000	8.92	32.00	56.18	59.70	44.44	54.00	-9.56	Average
2	4824.000	8.92	32.00	56.18	65.58	50.32	74.00	-23.68	peak
3	7943.838	11.48	37.69	55.94	53.33	46.56	74.00	-27.44	Peak
4	9648.000	12.49	38.70	54.42	51.19	47.96	74.00	-26.04	peak
5	13365.320	15.79	40.30	54.46	34.53	36.16	54.00	-17.84	Average
6	13365.320	15.79	40.30	54.46	48.34	49.97	74.00	-24.03	Peak
7	16891.040	19.64	39.60	54.27	33.69	38.66	54.00	-15.34	Average
8	16891.040	19.64	39.60	54.27	46.56	51.53	74.00	-22.47	Peak
9	17896.250	18.87	43.08	54.48	33.76	41.23	54.00	-12.77	Average
10	pk17896.250	18.87	43.08	54.48	44.79	52.26	74.00	-21.74	peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

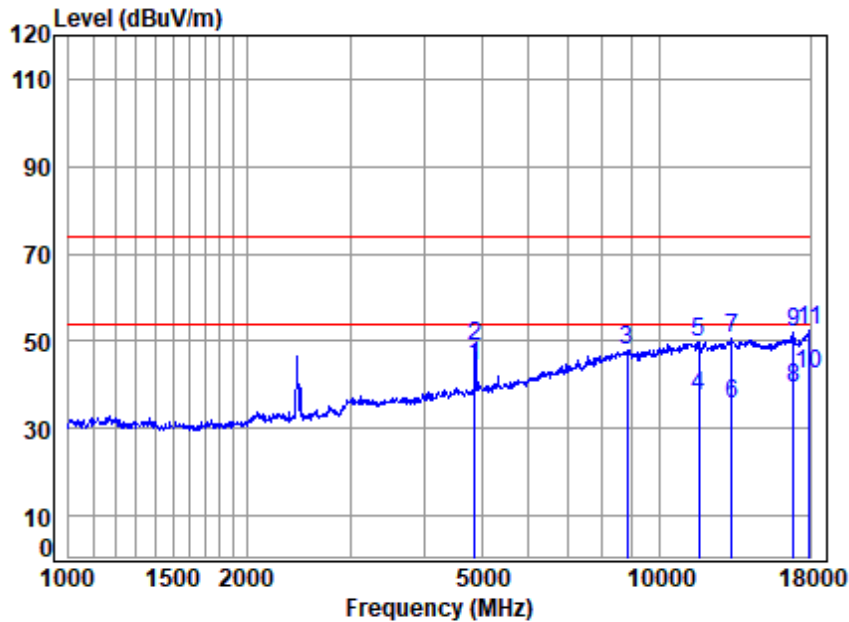
Mode : 2412 TX RSE

: 2.4G Wi-Fi 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 4824.000	8.92	32.00	56.18	63.45	48.19	54.00	-5.81	Average
2	pk 4824.000	8.92	32.00	56.18	68.65	53.39	74.00	-20.61	peak
3	7236.000	11.10	36.60	56.51	54.08	45.27	74.00	-28.73	peak
4	11204.900	14.25	39.60	53.56	50.07	50.36	74.00	-23.64	Peak
5	11204.900	14.25	39.60	53.56	35.21	35.50	54.00	-18.50	Average
6	14242.800	16.83	39.80	54.38	35.56	37.81	54.00	-16.19	Average
7	14242.800	16.83	39.80	54.38	48.50	50.75	74.00	-23.25	Peak
8	16504.960	18.00	38.91	54.15	48.96	51.72	74.00	-22.28	Peak
9	16504.960	18.00	38.91	54.15	35.70	38.46	54.00	-15.54	Average
10	17948.050	18.75	43.44	54.49	33.71	41.41	54.00	-12.59	Average
11	17948.050	18.75	43.44	54.49	44.86	52.56	74.00	-21.44	peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

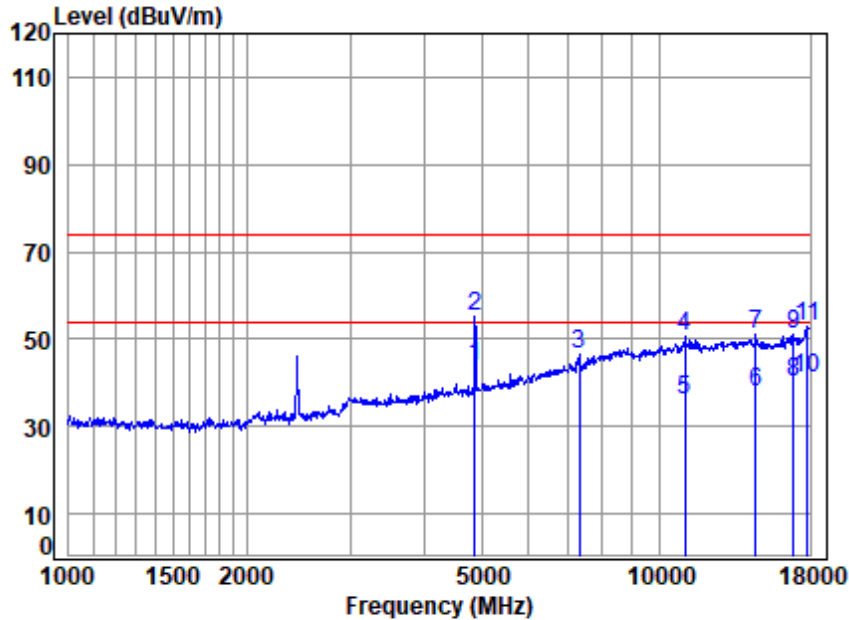
Mode : 2437 TX RSE

: 2.4G Wi-Fi 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 4874.000	8.97	32.15	56.21	59.34	44.25	54.00	-9.75	Average
2	4874.000	8.97	32.15	56.21	64.06	48.97	74.00	-25.03	peak
3	8814.957	12.36	38.50	55.17	52.36	48.05	74.00	-25.95	Peak
4	11667.600	14.42	39.53	53.70	37.15	37.40	54.00	-16.60	Average
5	11667.600	14.42	39.53	53.70	49.47	49.72	74.00	-24.28	Peak
6	13249.930	15.91	40.25	54.48	33.76	35.44	54.00	-18.56	Average
7	13249.930	15.91	40.25	54.48	48.76	50.44	74.00	-23.56	Peak
8	16891.040	19.64	39.60	54.27	34.49	39.46	54.00	-14.54	Average
9	16891.040	19.64	39.60	54.27	46.87	51.84	74.00	-22.16	Peak
10	17948.050	18.75	43.44	54.49	34.70	42.40	54.00	-11.60	Average
11	pk17948.050	18.75	43.44	54.49	44.64	52.34	74.00	-21.66	peak



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

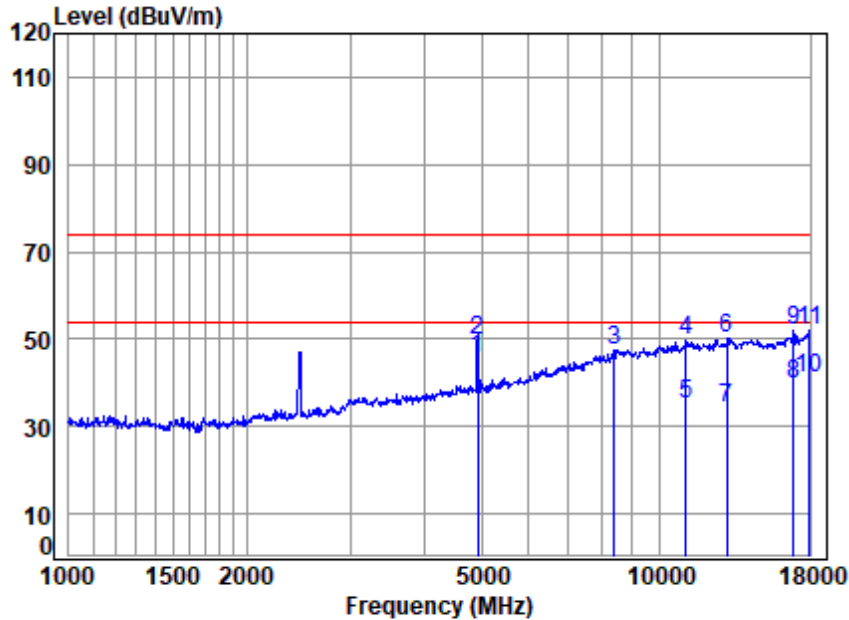


Condition: 3m VERTICAL
Job No : 03337AT/03338AT
Mode : 2437 TX RSE
: 2.4G Wi-Fi 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 4874.000	8.97	32.15	56.21	58.80	43.71	54.00	-10.29	Average
2	pk 4874.000	8.97	32.15	56.21	70.29	55.20	74.00	-18.80	peak
3	7311.000	11.11	36.72	56.45	55.05	46.43	74.00	-27.57	peak
4	11044.130	14.18	39.44	53.51	50.70	50.81	74.00	-23.19	Peak
5	11044.130	14.18	39.44	53.51	35.77	35.88	54.00	-18.12	Average
6	14575.970	16.46	39.35	54.34	36.57	38.04	54.00	-15.96	Average
7	14575.970	16.46	39.35	54.34	49.47	50.94	74.00	-23.06	Peak
8	16891.040	19.64	39.60	54.27	35.24	40.21	54.00	-13.79	Average
9	16891.040	19.64	39.60	54.27	46.05	51.02	74.00	-22.98	Peak
10	17844.590	19.02	42.77	54.47	33.85	41.17	54.00	-12.83	Average
11	17844.590	19.02	42.77	54.47	45.40	52.72	74.00	-21.28	peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

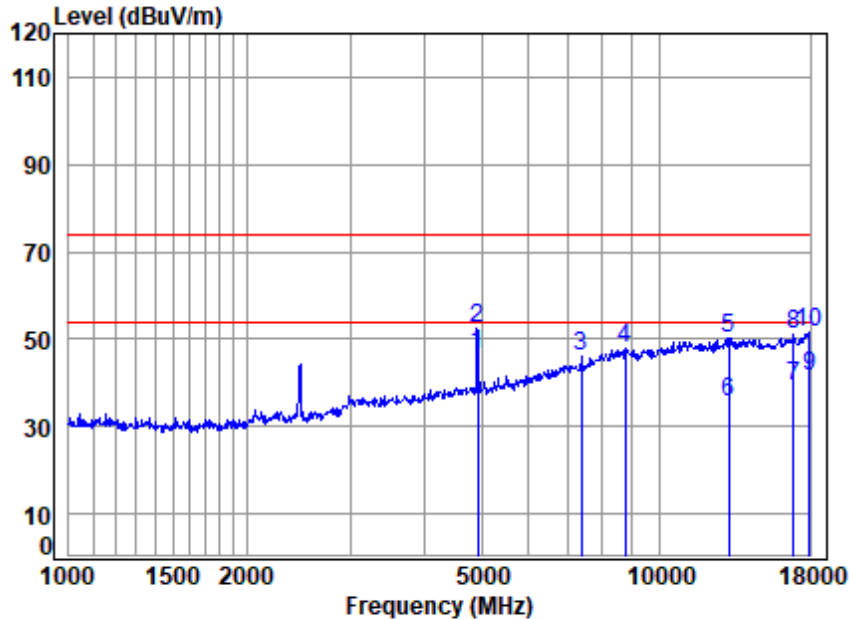
Mode : 2462 TX RSE

: 2.4G Wi-Fi 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 4924.000	9.03	32.20	56.25	60.60	45.58	54.00	-8.42	Average
2	4924.000	9.03	32.20	56.25	64.80	49.78	74.00	-24.22	peak
3	8392.292	11.60	38.62	55.55	52.92	47.59	74.00	-26.41	Peak
4	11076.100	14.14	39.48	53.52	49.42	49.52	74.00	-24.48	Peak
5	11076.100	14.14	39.48	53.52	35.12	35.22	54.00	-18.78	Average
6	13022.130	15.34	40.30	54.50	49.10	50.24	74.00	-23.76	Peak
7	13022.130	15.34	40.30	54.50	33.23	34.37	54.00	-19.63	Average
8	16891.040	19.64	39.60	54.27	34.67	39.64	54.00	-14.36	Average
9	16891.040	19.64	39.60	54.27	46.91	51.88	74.00	-22.12	Peak
10	17948.050	18.75	43.44	54.49	33.49	41.19	54.00	-12.81	Average
11	pk17948.050	18.75	43.44	54.49	44.41	52.11	74.00	-21.89	peak



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

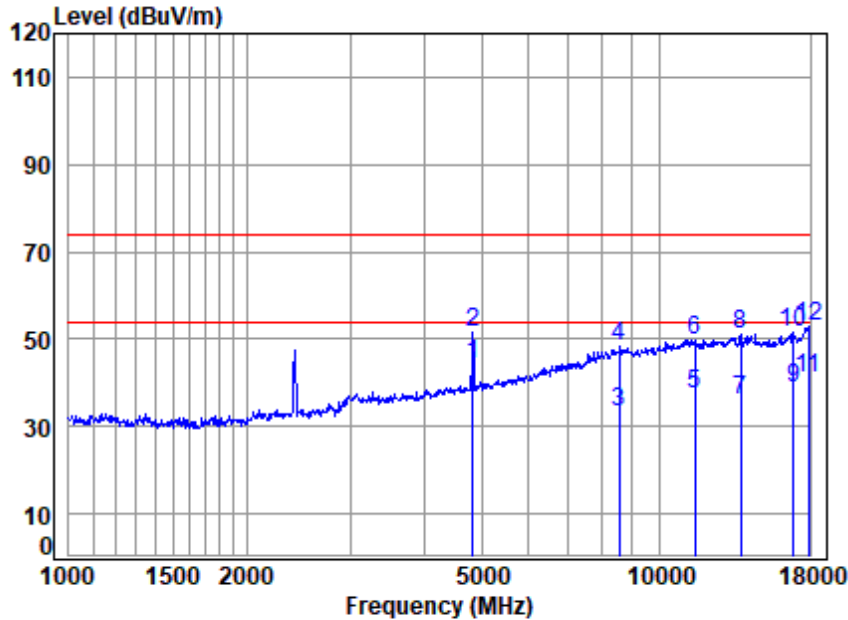


Condition: 3m VERTICAL
Job No : 03337AT/03338AT
Mode : 2462 TX RSE
: 2.4G Wi-Fi 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 4924.000	9.03	32.20	56.25	61.78	46.76	54.00	-7.24	Average
2	pk 4924.000	9.03	32.20	56.25	67.29	52.27	74.00	-21.73	peak
3	7386.000	11.19	36.73	56.39	54.37	45.90	74.00	-28.10	peak
4	8738.852	12.11	38.52	55.24	52.32	47.71	74.00	-26.29	Peak
5	13135.540	15.70	40.26	54.49	48.74	50.21	74.00	-23.79	Peak
6	13135.540	15.70	40.26	54.49	34.14	35.61	54.00	-18.39	Average
7	16891.040	19.64	39.60	54.27	34.26	39.23	54.00	-14.77	Average
8	16891.040	19.64	39.60	54.27	46.15	51.12	74.00	-22.88	Peak
9	17948.050	18.75	43.44	54.49	33.95	41.65	54.00	-12.35	Average
10	17948.050	18.75	43.44	54.49	43.89	51.59	74.00	-22.41	peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

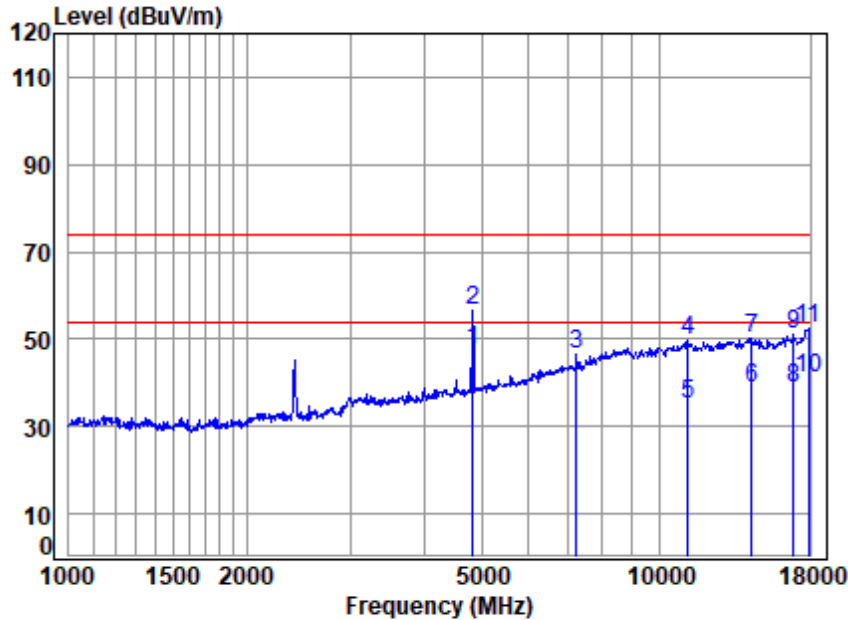
Mode : 2412 TX RSE

: 2.4G Wi-Fi 11AX20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 4824.000	8.92	32.00	56.18	59.60	44.34	54.00	-9.66	Average
2	4824.000	8.92	32.00	56.18	66.82	51.56	74.00	-22.44	peak
3	8563.818	11.95	38.36	55.39	38.55	33.47	54.00	-20.53	Average
4	8563.818	11.95	38.36	55.39	53.40	48.32	74.00	-25.68	Peak
5	11467.000	14.19	39.63	53.64	37.38	37.56	54.00	-16.44	Average
6	11467.000	14.19	39.63	53.64	49.72	49.90	74.00	-24.10	Peak
7	13717.560	16.02	39.98	54.43	34.26	35.83	54.00	-18.17	Average
8	13717.560	16.02	39.98	54.43	49.31	50.88	74.00	-23.12	Peak
9	16891.040	19.64	39.60	54.27	33.86	38.83	54.00	-15.17	Average
10	16891.040	19.64	39.60	54.27	46.71	51.68	74.00	-22.32	Peak
11	17896.250	18.87	43.08	54.48	33.55	41.02	54.00	-12.98	Average
12	pk17896.250	18.87	43.08	54.48	45.31	52.78	74.00	-21.22	peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

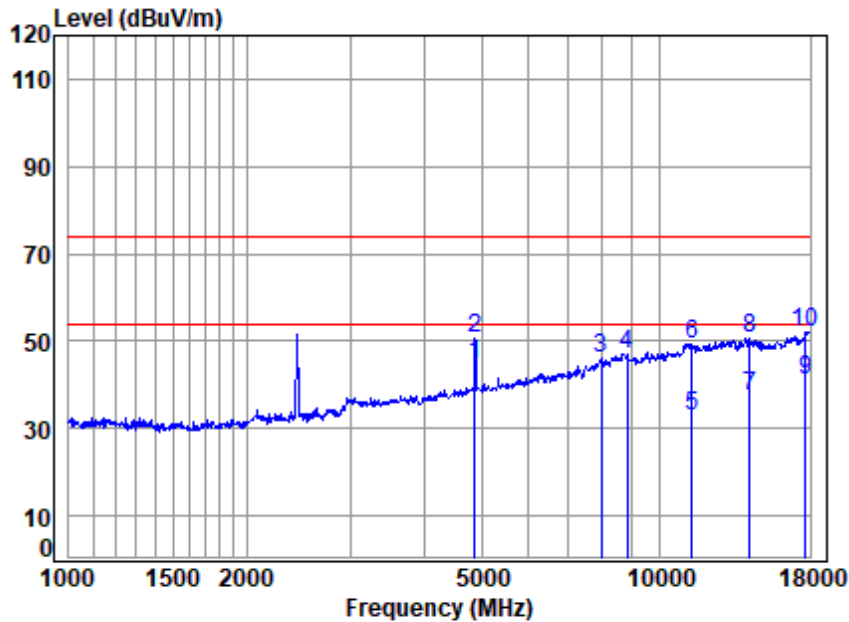
Mode : 2412 TX RSE

: 2.4G Wi-Fi 11AX20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 4824.000	8.92	32.00	56.18	62.89	47.63	54.00	-6.37	Average
2	pk 4824.000	8.92	32.00	56.18	71.83	56.57	74.00	-17.43	peak
3	7236.000	11.10	36.60	56.51	55.16	46.35	74.00	-27.65	peak
4	11172.560	14.21	39.57	53.55	49.46	49.69	74.00	-24.31	Peak
5	11172.560	14.21	39.57	53.55	35.12	35.35	54.00	-18.65	Average
6	14325.370	17.03	39.75	54.37	36.16	38.57	54.00	-15.43	Average
7	14325.370	17.03	39.75	54.37	47.63	50.04	74.00	-23.96	Peak
8	16891.040	19.64	39.60	54.27	33.70	38.67	54.00	-15.33	Average
9	16891.040	19.64	39.60	54.27	46.34	51.31	74.00	-22.69	Peak
10	17896.250	18.87	43.08	54.48	33.47	40.94	54.00	-13.06	Average
11	17896.250	18.87	43.08	54.48	45.18	52.65	74.00	-21.35	peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

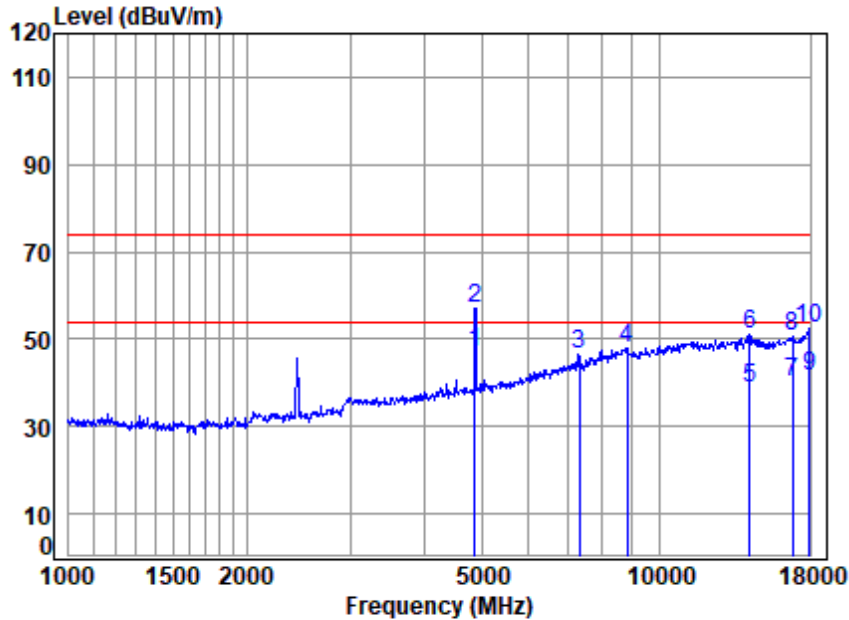
Mode : 2437 TX RSE

: 2.4G Wi-Fi 11AX20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 4874.000	8.97	32.15	56.21	59.80	44.71	54.00	-9.29	Average
2	4874.000	8.97	32.15	56.21	65.88	50.79	74.00	-23.21	peak
3	7966.832	11.47	37.73	55.93	52.91	46.18	74.00	-27.82	Peak
4	8814.957	12.36	38.50	55.17	51.45	47.14	74.00	-26.86	Peak
5	11368.000	14.20	39.70	53.61	32.40	32.69	54.00	-21.31	Average
6	11368.000	14.20	39.70	53.61	49.08	49.37	74.00	-24.63	Peak
7	14242.800	16.83	39.80	54.38	35.15	37.40	54.00	-16.60	Average
8	14242.800	16.83	39.80	54.38	48.36	50.61	74.00	-23.39	Peak
9	17690.530	18.88	41.66	54.44	34.80	40.90	54.00	-13.10	Average
10	pk17690.530	18.88	41.66	54.44	45.93	52.03	74.00	-21.97	peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

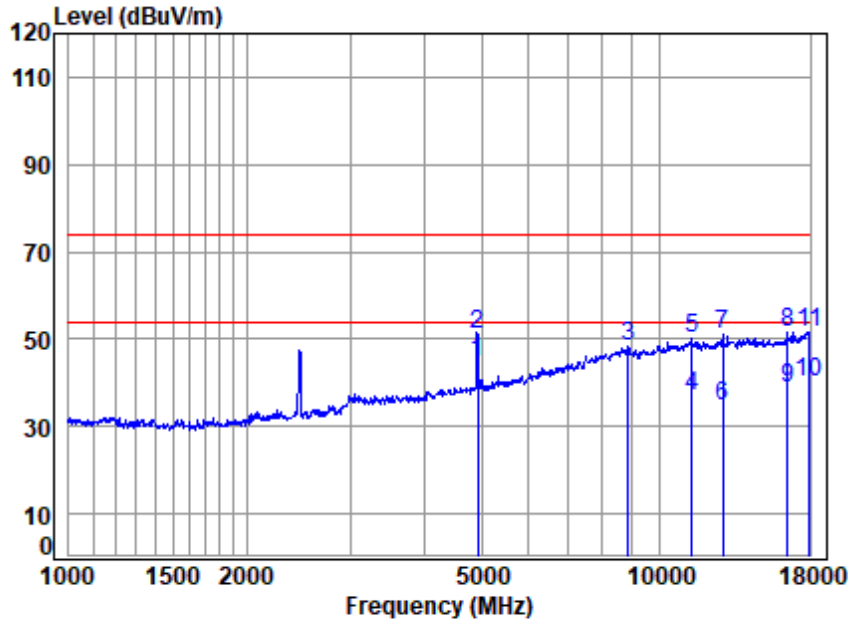
Mode : 2437 TX RSE

: 2.4G Wi-Fi 11AX20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 4874.000	8.97	32.15	56.21	62.15	47.06	54.00	-6.94	Average
2	pk 4874.000	8.97	32.15	56.21	72.34	57.25	74.00	-16.75	peak
3	7311.000	11.11	36.72	56.45	55.26	46.64	74.00	-27.36	peak
4	8814.957	12.36	38.50	55.17	52.39	48.08	74.00	-25.92	Peak
5	14242.800	16.83	39.80	54.38	36.43	38.68	54.00	-15.32	Average
6	14242.800	16.83	39.80	54.38	48.76	51.01	74.00	-22.99	Peak
7	16842.290	18.46	39.60	54.25	36.55	40.36	54.00	-13.64	Average
8	16842.290	18.46	39.60	54.25	46.66	50.47	74.00	-23.53	Peak
9	17948.050	18.75	43.44	54.49	33.90	41.60	54.00	-12.40	Average
10	17948.050	18.75	43.44	54.49	44.59	52.29	74.00	-21.71	peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

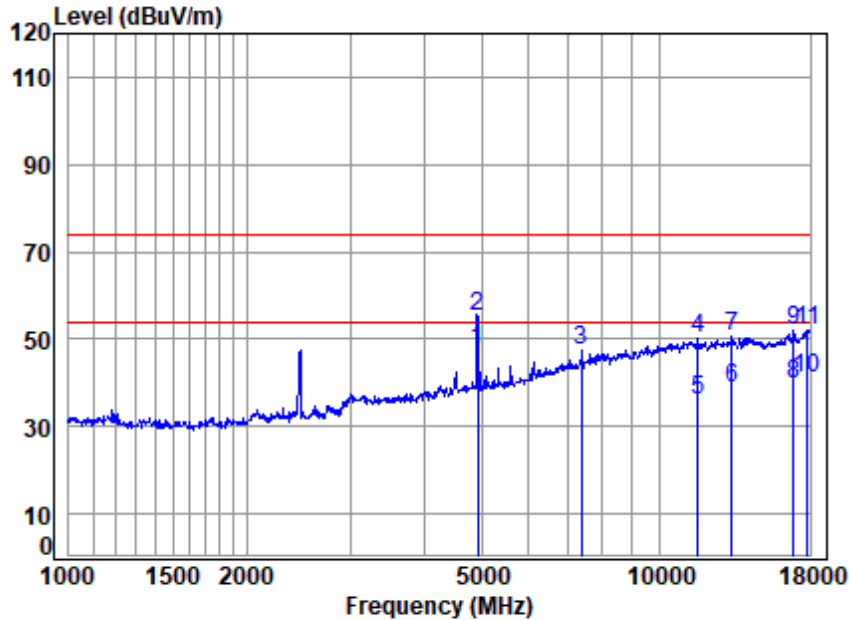
Mode : 2462 TX RSE

: 2.4G Wi-Fi 11AX20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 4924.000	9.03	32.20	56.25	59.65	44.63	54.00	-9.37	Average
2	4924.000	9.03	32.20	56.25	66.12	51.10	74.00	-22.90	peak
3	8840.473	12.33	38.50	55.14	52.58	48.27	74.00	-25.73	Peak
4	11335.190	14.29	39.70	53.60	36.58	36.97	54.00	-17.03	Average
5	11335.190	14.29	39.70	53.60	49.88	50.27	74.00	-23.73	Peak
6	12798.240	15.15	40.30	54.36	33.75	34.84	54.00	-19.16	Average
7	12798.240	15.15	40.30	54.36	49.82	50.91	74.00	-23.09	Peak
8	16504.960	18.00	38.91	54.15	48.77	51.53	74.00	-22.47	Peak
9	16504.960	18.00	38.91	54.15	36.00	38.76	54.00	-15.24	Average
10	17948.050	18.75	43.44	54.49	32.65	40.35	54.00	-13.65	Average
11	pk17948.050	18.75	43.44	54.49	43.98	51.68	74.00	-22.32	peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

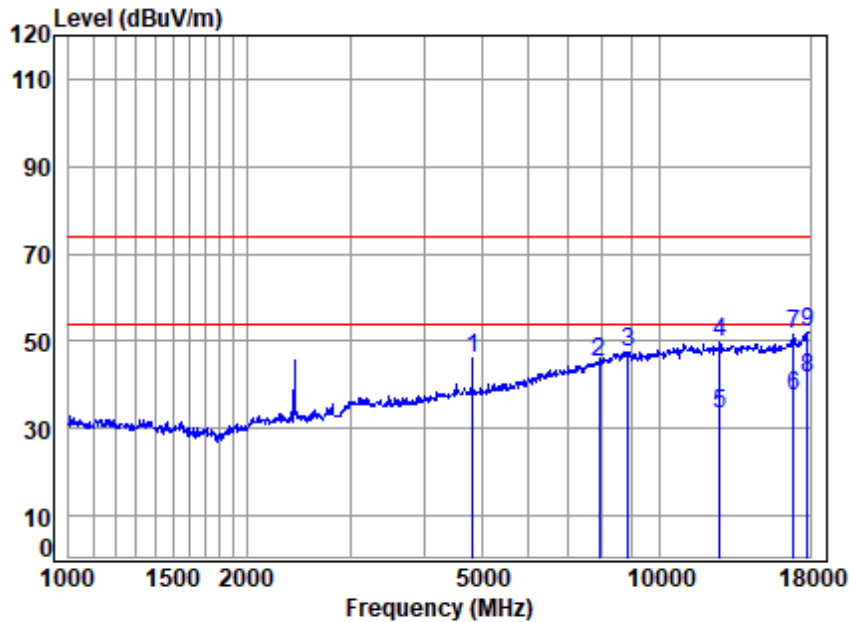
Mode : 2462 TX RSE

: 2.4G Wi-Fi 11AX20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	pp 4924.000	9.03	32.20	56.25	62.50	47.48	54.00	-6.52	Average
2	pk 4924.000	9.03	32.20	56.25	70.10	55.08	74.00	-18.92	peak
3	7386.000	11.19	36.73	56.39	55.96	47.49	74.00	-26.51	peak
4	11633.930	14.45	39.57	53.69	49.69	50.02	74.00	-23.98	Peak
5	11633.930	14.45	39.57	53.69	35.63	35.96	54.00	-18.04	Average
6	13249.930	15.91	40.25	54.48	37.24	38.92	54.00	-15.08	Average
7	13249.930	15.91	40.25	54.48	48.86	50.54	74.00	-23.46	Peak
8	16891.040	19.64	39.60	54.27	34.60	39.57	54.00	-14.43	Average
9	16891.040	19.64	39.60	54.27	47.24	52.21	74.00	-21.79	Peak
10	17844.590	19.02	42.77	54.47	33.85	41.17	54.00	-12.83	Average
11	17844.590	19.02	42.77	54.47	44.88	52.20	74.00	-21.80	peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

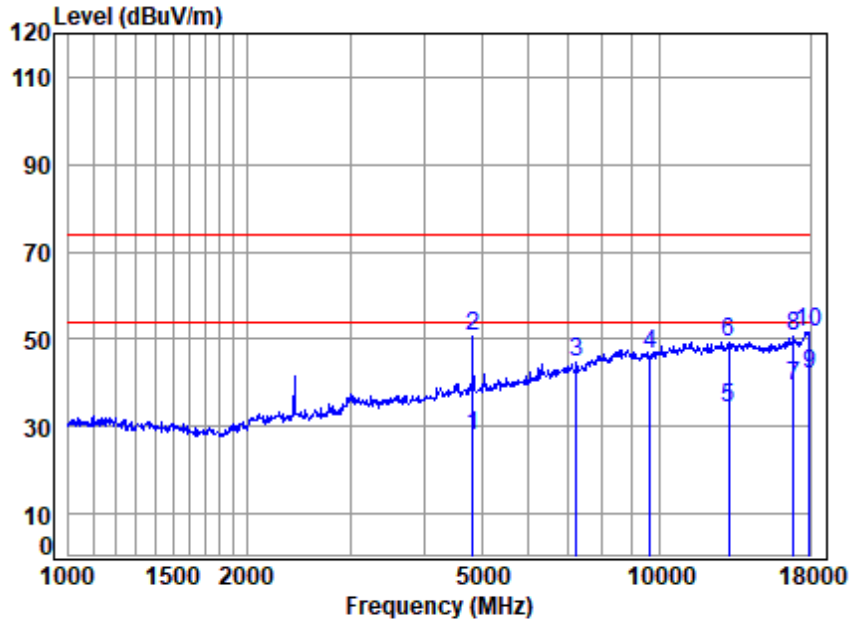
Mode : 2412 TX RSE

: 2.4G Wi-Fi 11B

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4824.000	8.92	32.00	56.18	61.28	46.02	74.00	-27.98	peak
2	7898.049	11.48	37.59	55.98	52.21	45.30	74.00	-28.70	Peak
3	8866.062	12.30	38.53	55.12	51.94	47.65	74.00	-26.35	Peak
4	12651.130	14.87	40.15	54.26	48.76	49.52	74.00	-24.48	Peak
5	12651.130	14.87	40.15	54.26	32.55	33.31	54.00	-20.69	Average
6	16891.040	19.64	39.60	54.27	32.56	37.53	54.00	-16.47	Average
7	16891.040	19.64	39.60	54.27	46.76	51.73	74.00	-22.27	Peak
8	pp17844.590	19.02	42.77	54.47	34.36	41.68	54.00	-12.32	Average
9	pk17844.590	19.02	42.77	54.47	44.90	52.22	74.00	-21.78	peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

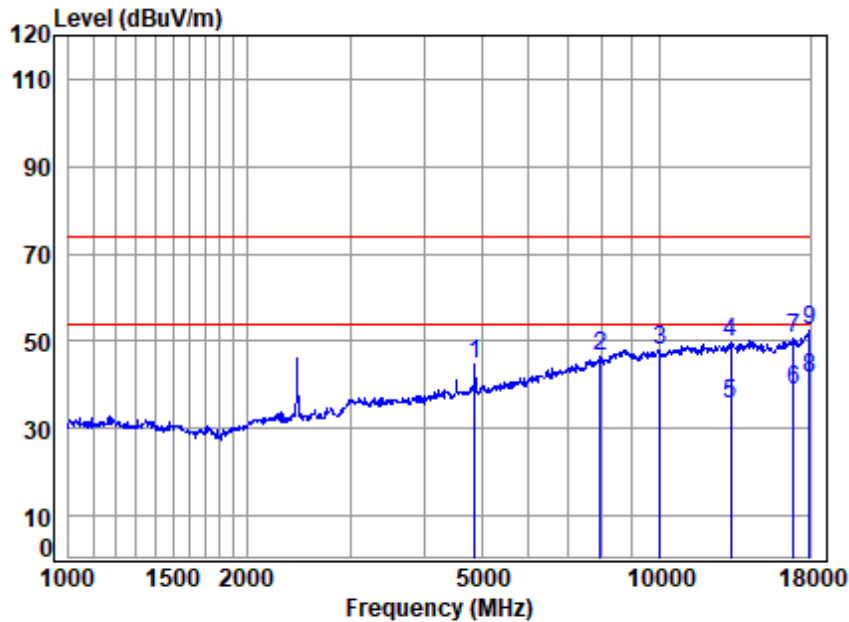
Mode : 2412 TX RSE

: 2.4G Wi-Fi 11B

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4824.000	8.92	32.00	56.18	43.26	28.00	54.00	-26.00	Average
2	4824.000	8.92	32.00	56.18	65.89	50.63	74.00	-23.37	peak
3	7236.000	11.10	36.60	56.51	53.73	44.92	74.00	-29.08	peak
4	9648.000	12.49	38.70	54.42	49.83	46.60	74.00	-27.40	peak
5	13097.620	15.63	40.30	54.49	32.60	34.04	54.00	-19.96	Average
6	13097.620	15.63	40.30	54.49	47.93	49.37	74.00	-24.63	Peak
7	16891.040	19.64	39.60	54.27	34.45	39.42	54.00	-14.58	Average
8	16891.040	19.64	39.60	54.27	45.64	50.61	74.00	-23.39	Peak
9	pp17948.050	18.75	43.44	54.49	34.23	41.93	54.00	-12.07	Average
10	pk17948.050	18.75	43.44	54.49	44.06	51.76	74.00	-22.24	peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

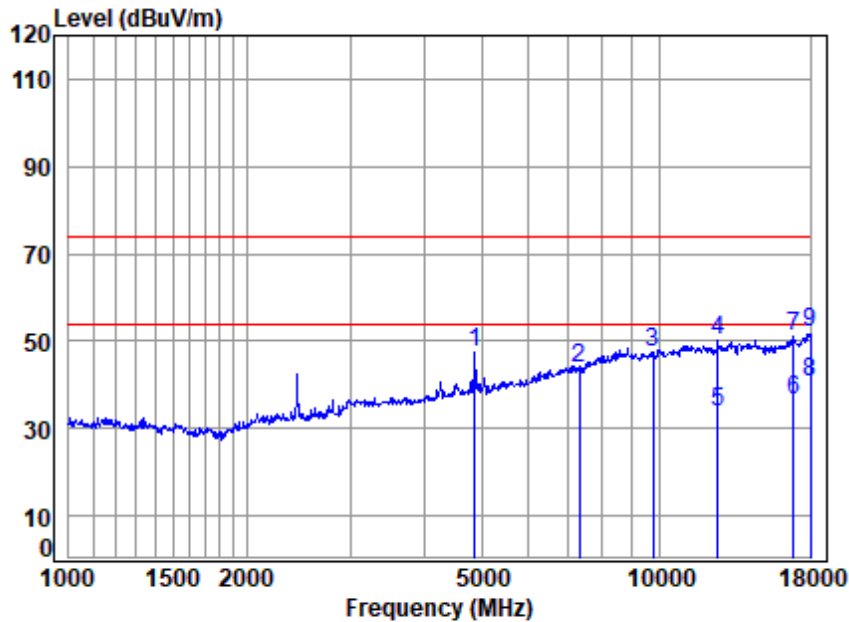
Mode : 2437 TX RSE

: 2.4G Wi-Fi 11B

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4874.000	8.97	32.15	56.21	59.76	44.67	74.00	-29.33	peak
2	7943.838	11.48	37.69	55.94	53.41	46.64	74.00	-27.36	Peak
3	10039.390	12.91	38.98	54.08	50.08	47.89	74.00	-26.11	Peak
4	13211.690	15.84	40.21	54.48	48.39	49.96	74.00	-24.04	Peak
5	13211.690	15.84	40.21	54.48	33.86	35.43	54.00	-18.57	Average
6	16891.040	19.64	39.60	54.27	33.70	38.67	54.00	-15.33	Average
7	16891.040	19.64	39.60	54.27	45.75	50.72	74.00	-23.28	Peak
8	pp17948.050	18.75	43.44	54.49	33.74	41.44	54.00	-12.56	Average
9	pk17948.050	18.75	43.44	54.49	44.64	52.34	74.00	-21.66	peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

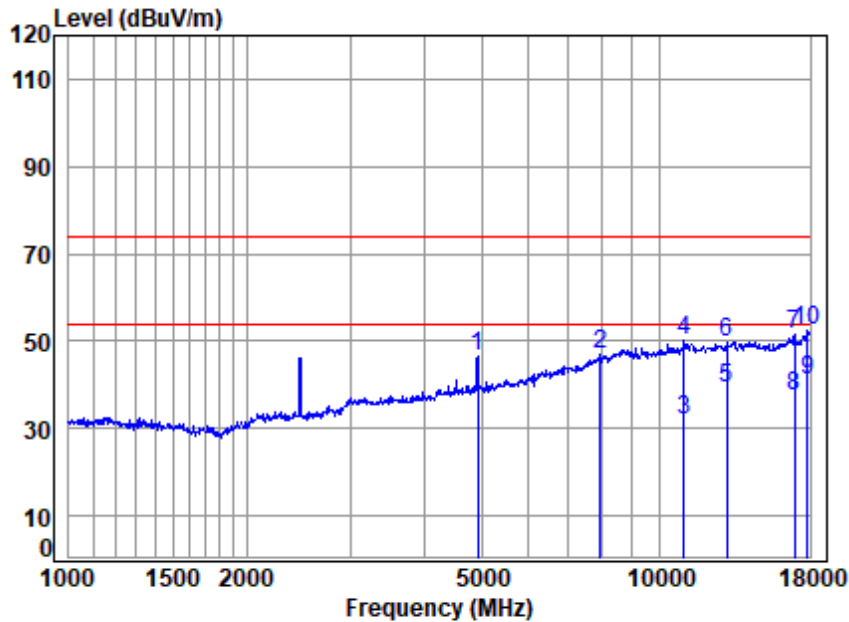
Mode : 2437 TX RSE

: 2.4G Wi-Fi 11B

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4874.000	8.97	32.15	56.21	62.65	47.56	74.00	-26.44	peak
2	7311.000	11.11	36.72	56.45	52.57	43.95	74.00	-30.05	peak
3	9748.000	12.80	38.60	54.33	50.56	47.63	74.00	-26.37	peak
4	12578.210	14.81	40.06	54.20	49.40	50.07	74.00	-23.93	Peak
5	12578.210	14.81	40.06	54.20	32.87	33.54	54.00	-20.46	Average
6	16891.040	19.64	39.60	54.27	31.66	36.63	54.00	-17.37	Average
7	16891.040	19.64	39.60	54.27	46.07	51.04	74.00	-22.96	Peak
8	pp18000.000	18.64	43.80	54.50	32.87	40.81	54.00	-13.19	Average
9	pk18000.000	18.64	43.80	54.50	43.93	51.87	74.00	-22.13	peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

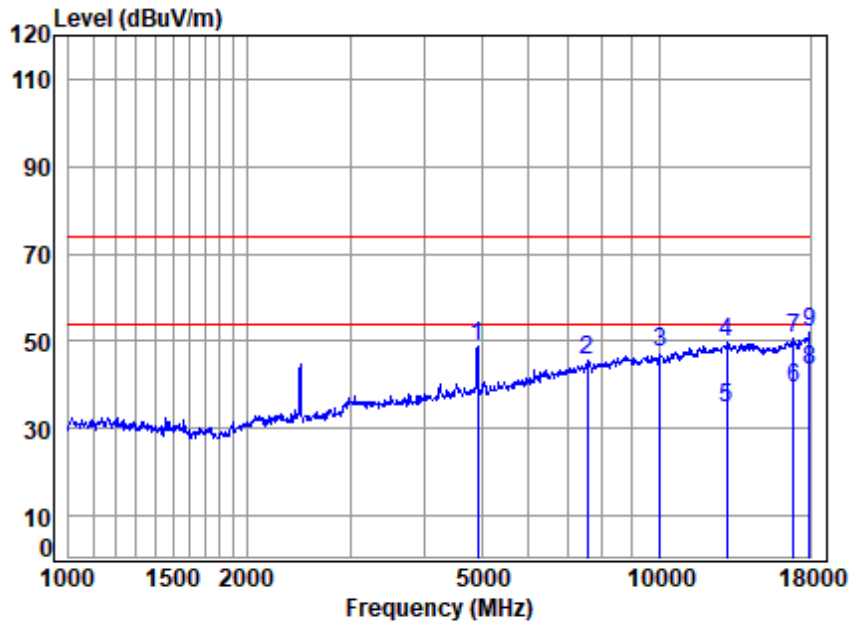
Mode : 2462 TX RSE

: 2.4G Wi-Fi 11B

	Freq	Cable Loss	Ant Factor	Preamplifier Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4924.000	9.03	32.20	56.25	61.43	46.41	74.00	-27.59	peak
2	7943.838	11.48	37.69	55.94	53.98	47.21	74.00	-26.79	Peak
3	11012.250	14.21	39.41	53.50	31.66	31.78	54.00	-22.22	Average
4	11012.250	14.21	39.41	53.50	49.89	50.01	74.00	-23.99	Peak
5	12984.540	15.26	40.32	54.49	38.14	39.23	54.00	-14.77	Average
6	12984.540	15.26	40.32	54.49	48.66	49.75	74.00	-24.25	Peak
7	16939.940	19.22	39.64	54.28	46.79	51.37	74.00	-22.63	Peak
8	16939.940	19.22	39.64	54.28	32.85	37.43	54.00	-16.57	Average
9	pp17844.590	19.02	42.77	54.47	33.77	41.09	54.00	-12.91	Average
10	pk17844.590	19.02	42.77	54.47	44.94	52.26	74.00	-21.74	peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

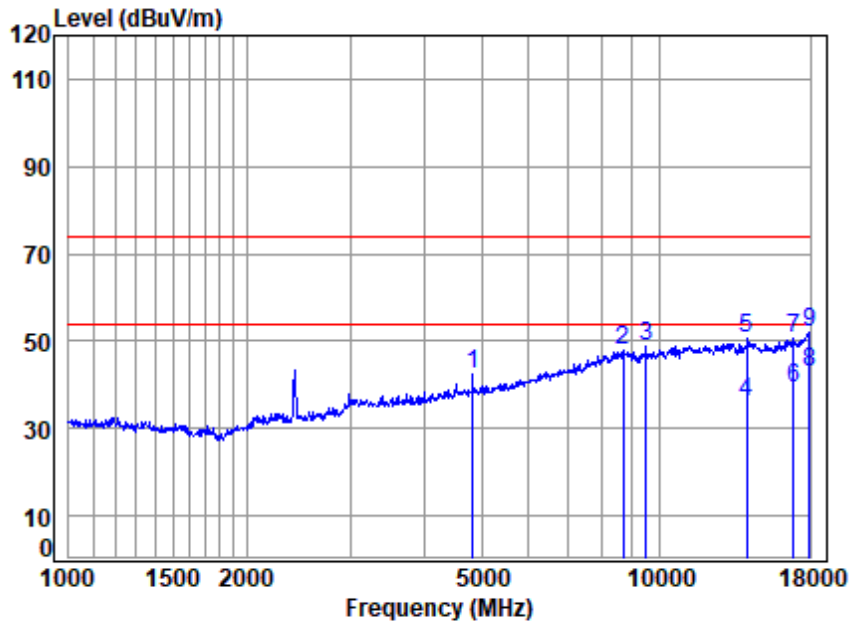
Mode : 2462 TX RSE

: 2.4G Wi-Fi 11B

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4924.000	9.03	32.20	56.25	63.62	48.60	74.00	-25.40	peak
2	7541.114	10.94	36.80	56.27	54.08	45.55	74.00	-28.45	Peak
3	10010.420	12.90	38.92	54.09	49.70	47.43	74.00	-26.57	Peak
4	13022.130	15.34	40.30	54.50	48.78	49.92	74.00	-24.08	Peak
5	13022.130	15.34	40.30	54.50	33.46	34.60	54.00	-19.40	Average
6	16891.040	19.64	39.60	54.27	34.19	39.16	54.00	-14.84	Average
7	16891.040	19.64	39.60	54.27	45.52	50.49	74.00	-23.51	Peak
8	pp17948.050	18.75	43.44	54.49	35.50	43.20	54.00	-10.80	Average
9	pk17948.050	18.75	43.44	54.49	44.24	51.94	74.00	-22.06	peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

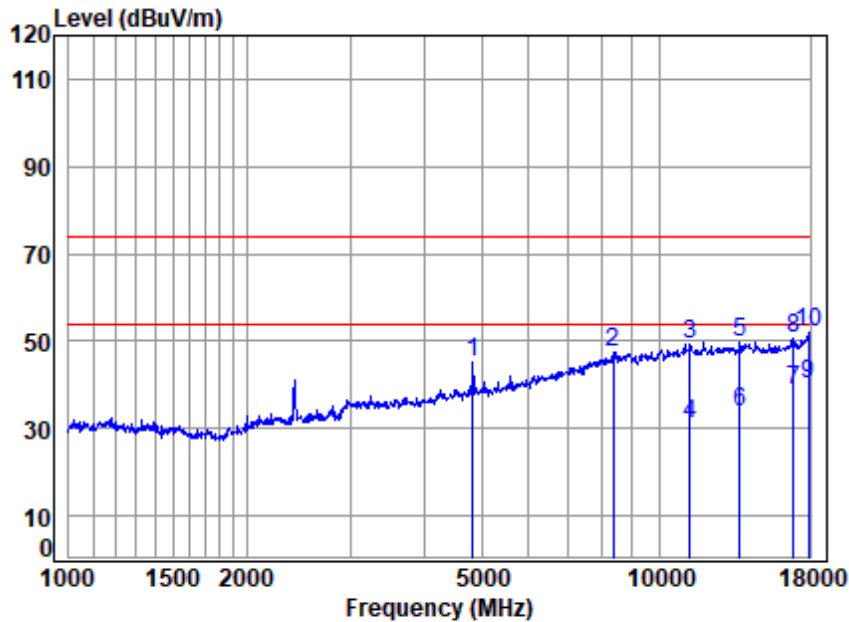
Mode : 2412 TX RSE

: 2.4G Wi-Fi 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4824.000	8.92	32.00	56.18	57.59	42.33	74.00	-31.67	peak
2	8688.480	11.94	38.55	55.28	52.81	48.02	74.00	-25.98	Peak
3	9502.925	12.49	38.89	54.55	52.09	48.92	74.00	-25.08	Peak
4	14079.080	16.38	39.90	54.39	34.32	36.21	54.00	-17.79	Average
5	14079.080	16.38	39.90	54.39	48.91	50.80	74.00	-23.20	Peak
6	16891.040	19.64	39.60	54.27	34.37	39.34	54.00	-14.66	Average
7	16891.040	19.64	39.60	54.27	45.87	50.84	74.00	-23.16	Peak
8	pp17948.050	18.75	43.44	54.49	35.10	42.80	54.00	-11.20	Average
9	pk17948.050	18.75	43.44	54.49	44.23	51.93	74.00	-22.07	peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

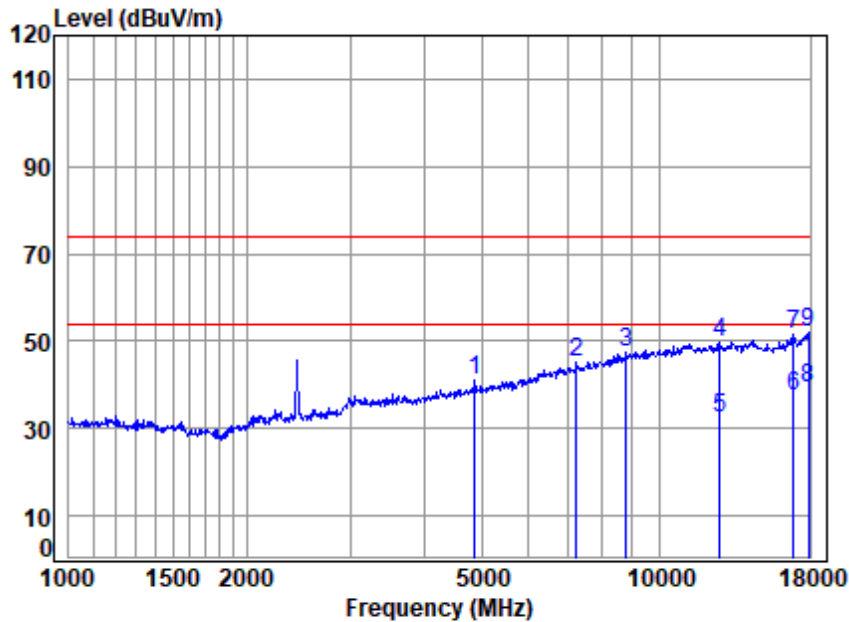
Mode : 2412 TX RSE

: 2.4G Wi-Fi 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4824.000	8.92	32.00	56.18	60.64	45.38	74.00	-28.62	peak
2	8368.069	11.62	38.66	55.57	52.92	47.63	74.00	-26.37	Peak
3	11269.860	14.35	39.67	53.58	49.00	49.44	74.00	-24.56	Peak
4	11269.860	14.35	39.67	53.58	30.55	30.99	54.00	-23.01	Average
5	13677.970	16.04	40.00	54.43	48.08	49.69	74.00	-24.31	Peak
6	13677.970	16.04	40.00	54.43	32.33	33.94	54.00	-20.06	Average
7	16891.040	19.64	39.60	54.27	33.67	38.64	54.00	-15.36	Average
8	16891.040	19.64	39.60	54.27	45.60	50.57	74.00	-23.43	Peak
9	pp17896.250	18.87	43.08	54.48	32.76	40.23	54.00	-13.77	Average
10	pk17896.250	18.87	43.08	54.48	44.49	51.96	74.00	-22.04	peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

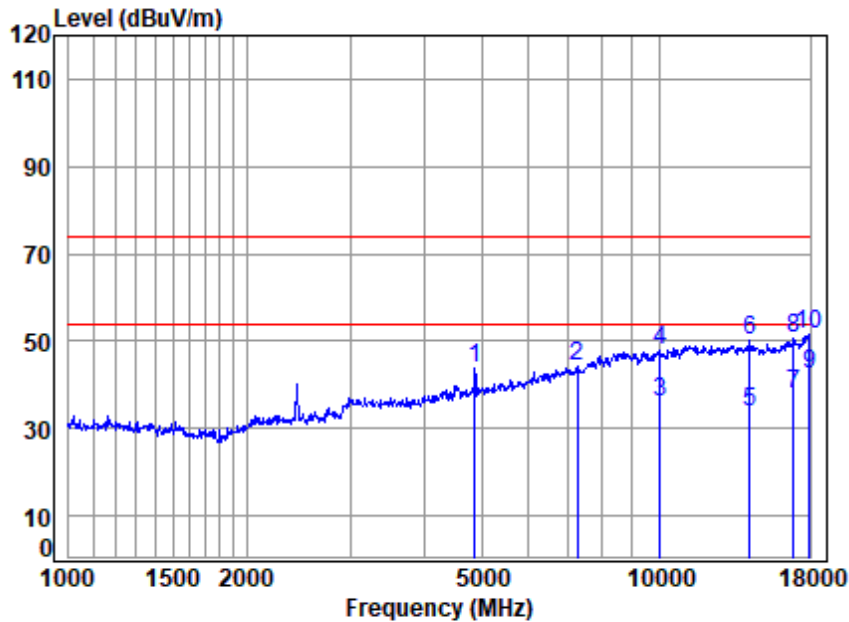
Mode : 2437 TX RSE

: 2.4G Wi-Fi 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4874.000	8.97	32.15	56.21	56.22	41.13	74.00	-32.87	peak
2	7242.052	11.10	36.60	56.51	54.08	45.27	74.00	-28.73	Peak
3	8789.516	12.33	38.50	55.19	51.66	47.30	74.00	-26.70	Peak
4	12651.130	14.87	40.15	54.26	48.89	49.65	74.00	-24.35	Peak
5	12651.130	14.87	40.15	54.26	31.57	32.33	54.00	-21.67	Average
6	16891.040	19.64	39.60	54.27	32.26	37.23	54.00	-16.77	Average
7	16891.040	19.64	39.60	54.27	46.65	51.62	74.00	-22.38	Peak
8	pp17896.250	18.87	43.08	54.48	31.77	39.24	54.00	-14.76	Average
9	pk17896.250	18.87	43.08	54.48	44.40	51.87	74.00	-22.13	peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

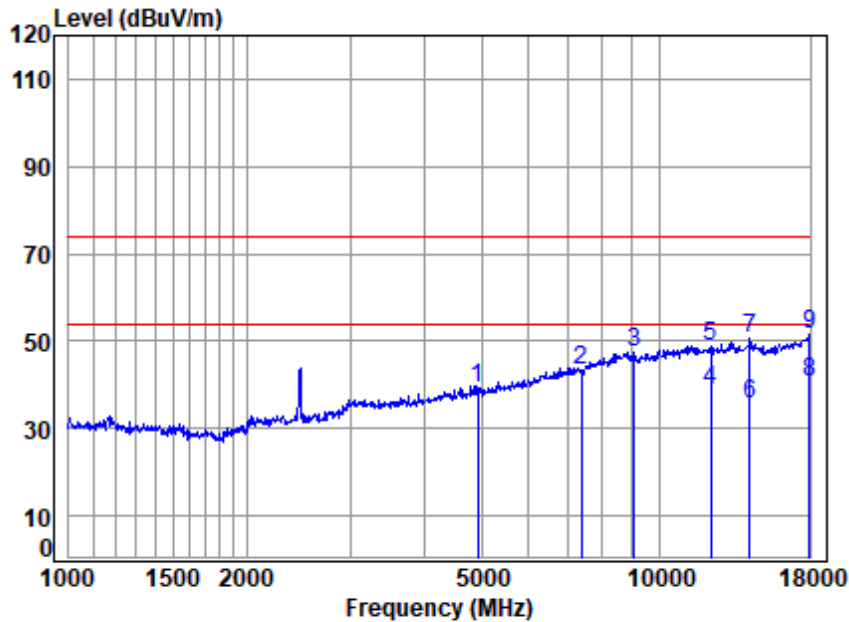
Mode : 2437 TX RSE

: 2.4G Wi-Fi 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4874.000	8.97	32.15	56.21	59.11	44.02	74.00	-29.98	peak
2	7263.015	11.10	36.63	56.49	53.17	44.41	74.00	-29.59	Peak
3	10039.390	12.91	38.98	54.08	38.15	35.96	54.00	-18.04	Average
4	10039.390	12.91	38.98	54.08	50.31	48.12	74.00	-25.88	Peak
5	14242.800	16.83	39.80	54.38	31.56	33.81	54.00	-20.19	Average
6	14242.800	16.83	39.80	54.38	48.00	50.25	74.00	-23.75	Peak
7	16891.040	19.64	39.60	54.27	32.89	37.86	54.00	-16.14	Average
8	16891.040	19.64	39.60	54.27	45.73	50.70	74.00	-23.30	Peak
9	pp17948.050	18.75	43.44	54.49	34.70	42.40	54.00	-11.60	Average
10	pk17948.050	18.75	43.44	54.49	43.98	51.68	74.00	-22.32	peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

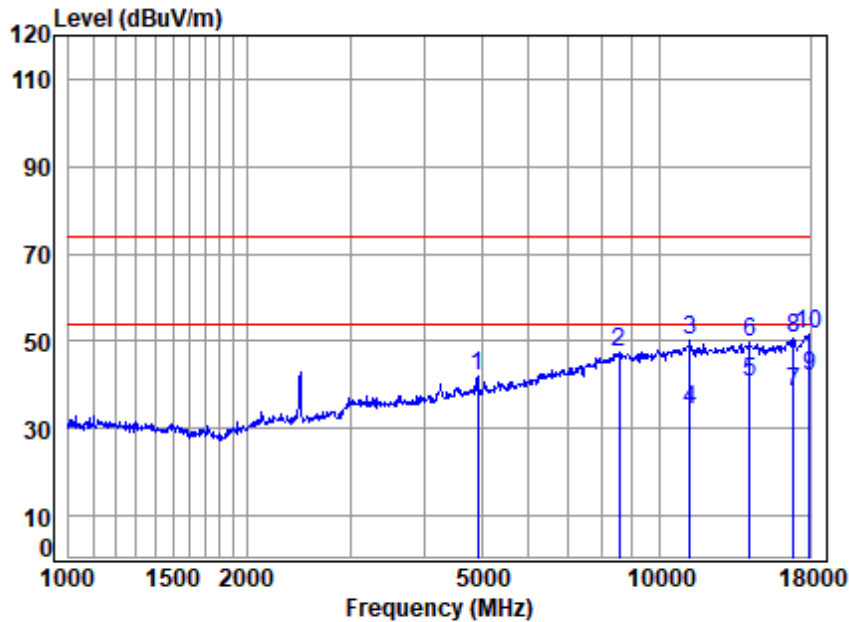
Mode : 2462 TX RSE

: 2.4G Wi-Fi 11N20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4924.000	9.03	32.20	56.25	54.39	39.37	74.00	-34.63	peak
2	7386.000	11.19	36.73	56.39	51.68	43.21	74.00	-30.79	peak
3	9073.460	12.05	38.60	54.93	51.91	47.63	74.00	-26.37	Peak
4	12219.850	14.54	39.88	53.95	38.23	38.70	54.00	-15.30	Average
5	12219.850	14.54	39.88	53.95	48.45	48.92	74.00	-25.08	Peak
6	14242.800	16.83	39.80	54.38	33.14	35.39	54.00	-18.61	Average
7	14242.800	16.83	39.80	54.38	48.32	50.57	74.00	-23.43	Peak
8	pp17948.050	18.75	43.44	54.49	33.11	40.81	54.00	-13.19	Average
9	pk17948.050	18.75	43.44	54.49	43.65	51.35	74.00	-22.65	peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

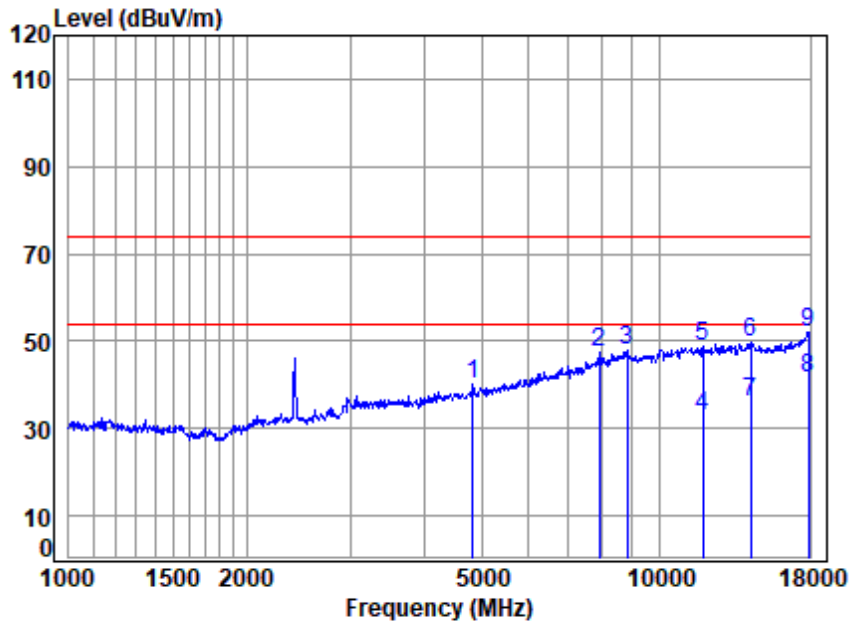
Mode : 2462 TX RSE

: 2.4G Wi-Fi 11N20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4924.000	9.03	32.20	56.25	56.98	41.96	74.00	-32.04	peak
2	8563.818	11.95	38.36	55.39	52.71	47.63	74.00	-26.37	Peak
3	11269.860	14.35	39.67	53.58	49.79	50.23	74.00	-23.77	Peak
4	11269.860	14.35	39.67	53.58	33.87	34.31	54.00	-19.69	Average
5	14242.800	16.83	39.80	54.38	38.57	40.82	54.00	-13.18	Average
6	14242.800	16.83	39.80	54.38	47.59	49.84	74.00	-24.16	Peak
7	16891.040	19.64	39.60	54.27	33.49	38.46	54.00	-15.54	Average
8	16891.040	19.64	39.60	54.27	45.77	50.74	74.00	-23.26	Peak
9	pp17948.050	18.75	43.44	54.49	34.09	41.79	54.00	-12.21	Average
10	pk17948.050	18.75	43.44	54.49	43.84	51.54	74.00	-22.46	peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

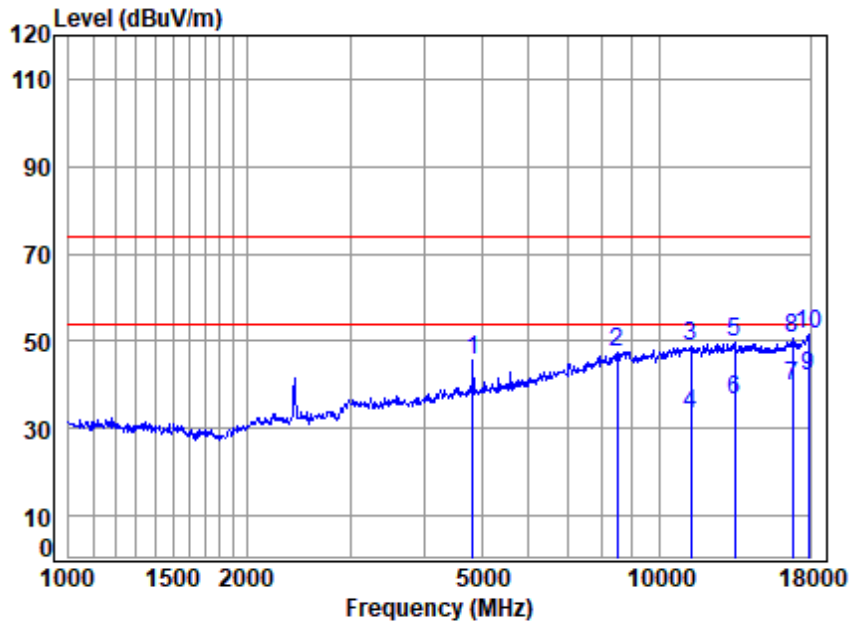
Mode : 2412 TX RSE

: 2.4G Wi-Fi 11AX20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4824.000	8.92	32.00	56.18	55.58	40.32	74.00	-33.68	peak
2	7920.911	11.48	37.64	55.96	54.11	47.27	74.00	-26.73	Peak
3	8814.957	12.36	38.50	55.17	52.06	47.75	74.00	-26.25	Peak
4	11871.710	14.63	39.67	53.76	32.49	33.03	54.00	-20.97	Average
5	11871.710	14.63	39.67	53.76	48.10	48.64	74.00	-25.36	Peak
6	14284.030	17.00	39.80	54.37	47.29	49.72	74.00	-24.28	Peak
7	14284.030	17.00	39.80	54.37	33.68	36.11	54.00	-17.89	Average
8	pp17896.250	18.87	43.08	54.48	34.26	41.73	54.00	-12.27	Average
9	pk17896.250	18.87	43.08	54.48	44.65	52.12	74.00	-21.88	peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

Mode : 2412 TX RSE

: 2.4G Wi-Fi 11AX20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4824.000	8.92	32.00	56.18	60.77	45.51	74.00	-28.49	peak
2	8489.882	12.08	38.32	55.46	52.49	47.43	74.00	-26.57	Peak
3	11302.480	14.39	39.70	53.59	48.28	48.78	74.00	-25.22	Peak
4	11302.480	14.39	39.70	53.59	32.83	33.33	54.00	-20.67	Average
5	13404.010	15.67	40.29	54.46	48.01	49.51	74.00	-24.49	Peak
6	13404.010	15.67	40.29	54.46	34.85	36.35	54.00	-17.65	Average
7	16842.290	18.46	39.60	54.25	36.11	39.92	54.00	-14.08	Average
8	16842.290	18.46	39.60	54.25	46.71	50.52	74.00	-23.48	Peak
9	pp17896.250	18.87	43.08	54.48	34.65	42.12	54.00	-11.88	Average
10	pk17896.250	18.87	43.08	54.48	44.04	51.51	74.00	-22.49	peak



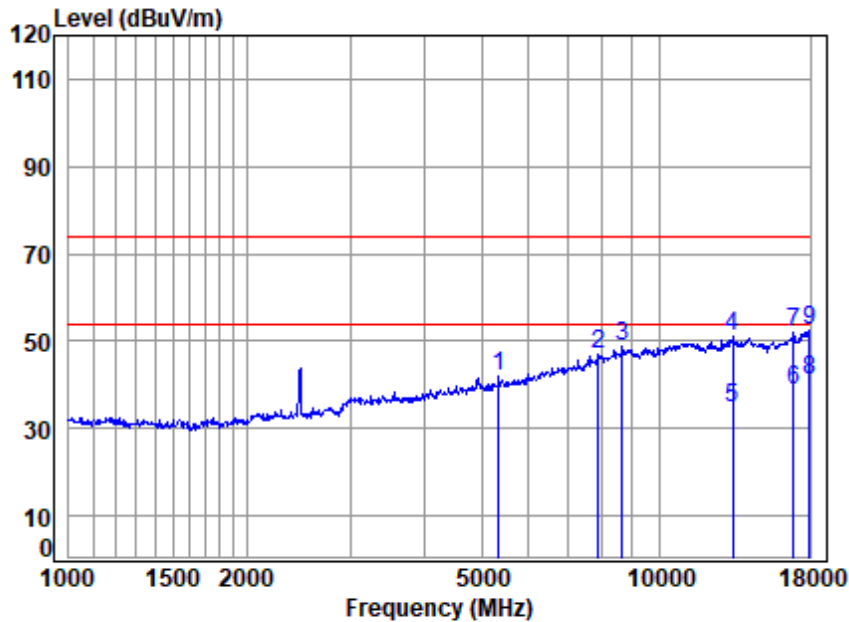
SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

Report No.: SZCR250700333702

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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

Mode : 2437 TX RSE

: 2.4G Wi-Fi 11AX20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	5346.358	9.41	32.79	56.51	56.23	41.92	74.00	-32.08	Peak
2	7875.254	11.42	37.50	56.00	53.97	46.89	74.00	-27.11	Peak
3	8638.399	11.88	38.42	55.33	53.65	48.62	74.00	-25.38	Peak
4	13326.750	15.92	40.30	54.47	49.40	51.15	74.00	-22.85	Peak
5	13326.750	15.92	40.30	54.47	32.80	34.55	54.00	-19.45	Average
6	16891.040	19.64	39.60	54.27	33.97	38.94	54.00	-15.06	Average
7	16891.040	19.64	39.60	54.27	46.84	51.81	74.00	-22.19	Peak
8	pp17948.050	18.75	43.44	54.49	33.47	41.17	54.00	-12.83	Average
9	pk17948.050	18.75	43.44	54.49	44.65	52.35	74.00	-21.65	peak



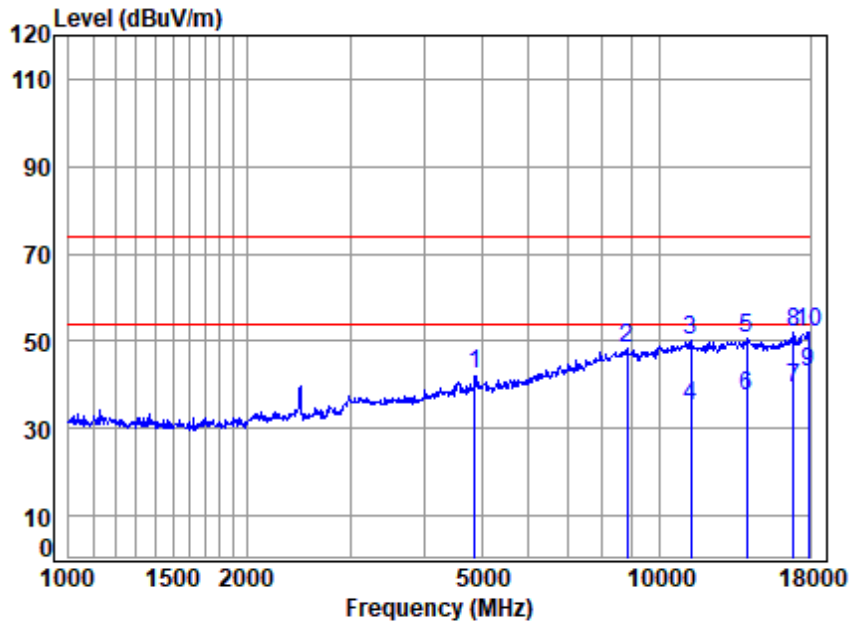
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

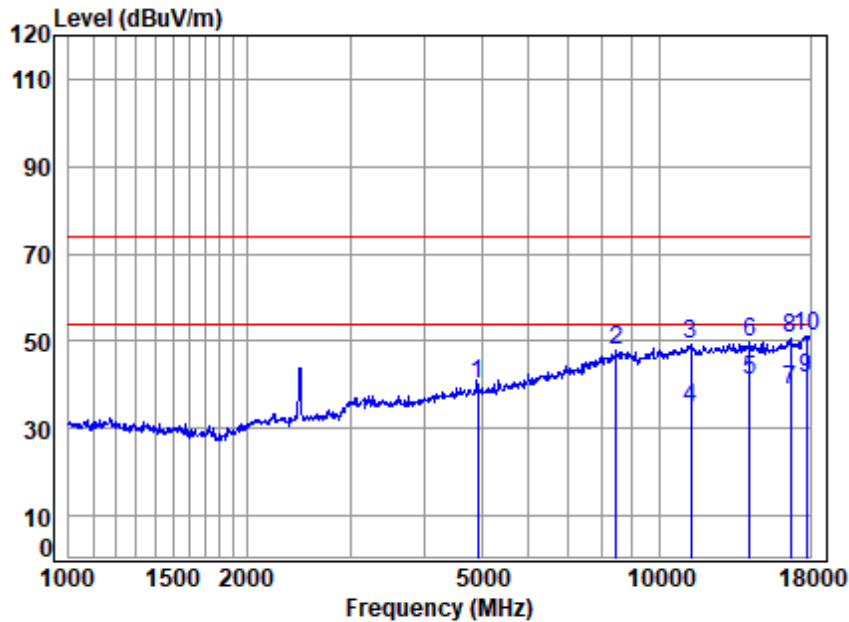
Mode : 2437 TX RSE

: 2.4G Wi-Fi 11AX20

	Freq	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4874.000	8.97	32.15	56.21	57.40	42.31	74.00	-31.69	peak
2	8814.957	12.36	38.50	55.17	52.71	48.40	74.00	-25.60	Peak
3	11302.480	14.39	39.70	53.59	49.66	50.16	74.00	-23.84	Peak
4	11302.480	14.39	39.70	53.59	34.79	35.29	54.00	-18.71	Average
5	14038.450	16.47	39.90	54.40	48.86	50.83	74.00	-23.17	Peak
6	14038.450	16.47	39.90	54.40	35.35	37.32	54.00	-16.68	Average
7	16891.040	19.64	39.60	54.27	34.48	39.45	54.00	-14.55	Average
8	16891.040	19.64	39.60	54.27	46.94	51.91	74.00	-22.09	Peak
9	pp17896.250	18.87	43.08	54.48	35.22	42.69	54.00	-11.31	Average
10	pk17896.250	18.87	43.08	54.48	44.60	52.07	74.00	-21.93	peak



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



Condition: 3m HORIZONTAL

Job No : 03337AT/03338AT

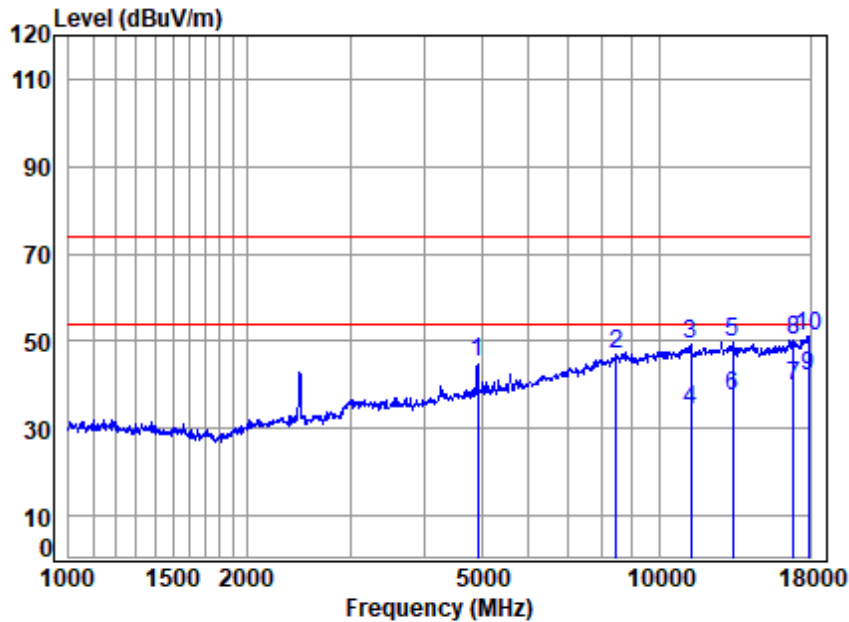
Mode : 2462 TX RSE

: 2.4G Wi-Fi 11AX20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4924.000	9.03	32.20	56.25	55.32	40.30	74.00	-33.70	peak
2	8465.379	11.95	38.37	55.48	52.94	47.78	74.00	-26.22	Peak
3	11302.480	14.39	39.70	53.59	48.81	49.31	74.00	-24.69	Peak
4	11302.480	14.39	39.70	53.59	34.22	34.72	54.00	-19.28	Average
5	14242.800	16.83	39.80	54.38	38.64	40.89	54.00	-13.11	Average
6	14242.800	16.83	39.80	54.38	47.44	49.69	74.00	-24.31	Peak
7	16648.690	17.87	39.30	54.19	35.66	38.64	54.00	-15.36	Average
8	16648.690	17.87	39.30	54.19	47.50	50.48	74.00	-23.52	Peak
9	pp17741.740	19.02	42.09	54.45	34.97	41.63	54.00	-12.37	Average
10	pk17741.740	19.02	42.09	54.45	44.55	51.21	74.00	-22.79	peak



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



Condition: 3m VERTICAL

Job No : 03337AT/03338AT

Mode : 2462 TX RSE

: 2.4G Wi-Fi 11AX20

		Cable	Ant	Preamp	Read		Limit	Over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	4924.000	9.03	32.20	56.25	60.25	45.23	74.00	-28.77	peak
2	8465.379	11.95	38.37	55.48	52.33	47.17	74.00	-26.83	Peak
3	11302.480	14.39	39.70	53.59	48.56	49.06	74.00	-24.94	Peak
4	11302.480	14.39	39.70	53.59	33.69	34.19	54.00	-19.81	Average
5	13326.750	15.92	40.30	54.47	48.11	49.86	74.00	-24.14	Peak
6	13326.750	15.92	40.30	54.47	35.88	37.63	54.00	-16.37	Average
7	16891.040	19.64	39.60	54.27	34.59	39.56	54.00	-14.44	Average
8	16891.040	19.64	39.60	54.27	45.25	50.22	74.00	-23.78	Peak
9	pp17896.250	18.87	43.08	54.48	34.33	41.80	54.00	-12.20	Average
10	pk17896.250	18.87	43.08	54.48	43.75	51.22	74.00	-22.78	peak



7.5 Conducted Average Output Power

Test Requirement 47 CFR Part 15, Subpart C 15.247(b)(3)

Test Method: ANSI C63.10 (2020) Section 11.9.2

Limit:

Frequency range(MHz)	Output power of the intentional radiator(watt)
902-928	1 for ≥ 50 hopping channels
	0.25 for $25 \leq$ hopping channels < 50
	1 for digital modulation
2400-2483.5	1 for ≥ 75 non-overlapping hopping channels
	0.125 for all other frequency hopping systems
	1 for digital modulation
5725-5850	1 for frequency hopping systems and digital modulation

7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 26.5 °C

Humidity: 45.3 % RH

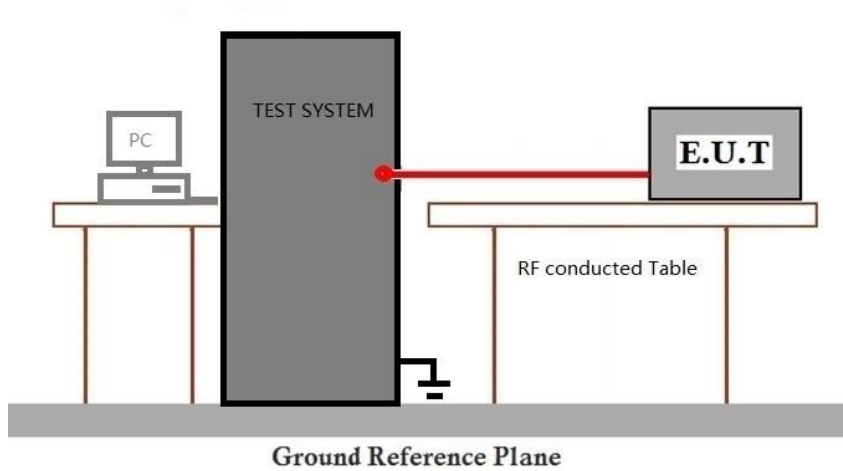
Atmospheric Pressure: 1020 mbar

7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT(with Antenna B) in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40). Only the data of worst case is recorded in the report.
Pre-scan	01	TX mode_Keep the EUT(with Antenna A) in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40). Only the data of worst case is recorded in the report.



7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

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

Please Refer to Appendix for Details



7.6 Minimum 6dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.247a(2)

Test Method: ANSI C63.10 (2020) Section 11.8.1

Limit:

≥500 kHz

7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 26.5 °C

Humidity: 45.3 % RH

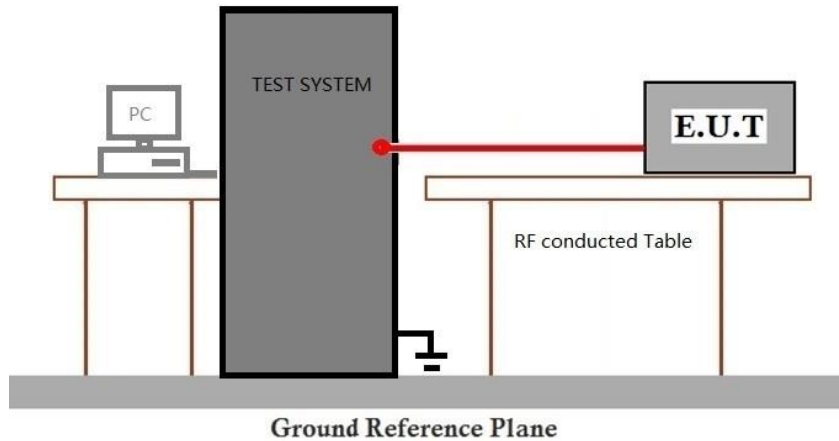
Atmospheric Pressure: 1020 mbar

7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT(with Antenna B) in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40). Only the data of worst case is recorded in the report.
Pre-scan	01	TX mode_Keep the EUT(with Antenna A) in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40). Only the data of worst case is recorded in the report.



7.6.3 Test Setup Diagram



7.6.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.7 Power Spectrum Density

Test Requirement 47 CFR Part 15, Subpart C 15.247(e)

Test Method: ANSI C63.10 (2020) Section 11.10.2

Limit:

≤8dBm in any 3 kHz band during any time interval of continuous transmission

7.7.1 E.U.T. Operation

Operating Environment:

Temperature: 26.5 °C

Humidity: 45.3 % RH

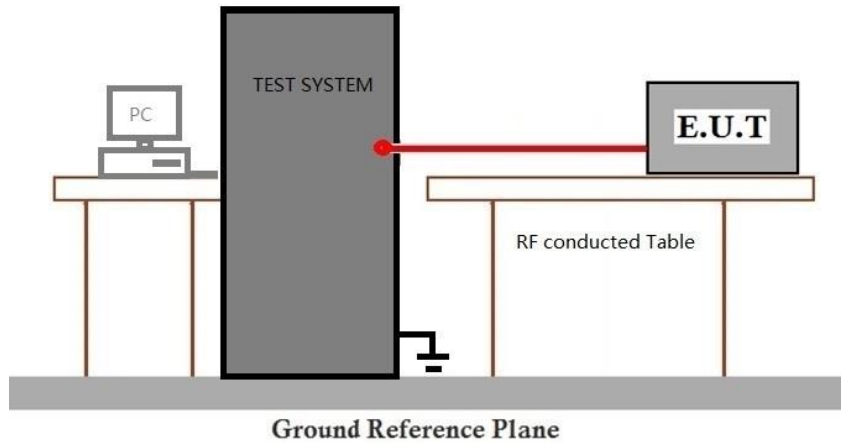
Atmospheric Pressure: 1020 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT(with Antenna B) in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40). Only the data of worst case is recorded in the report.
Pre-scan	01	TX mode_Keep the EUT(with Antenna A) in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40). 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 Conducted Band Edges Measurement

Test Requirement 47 CFR Part 15, Subpart C 15.247(d)

Test Method: ANSI C63.10 (2020) Section 6.10.4

Limit:

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 26.5 °C

Humidity: 45.3 % RH

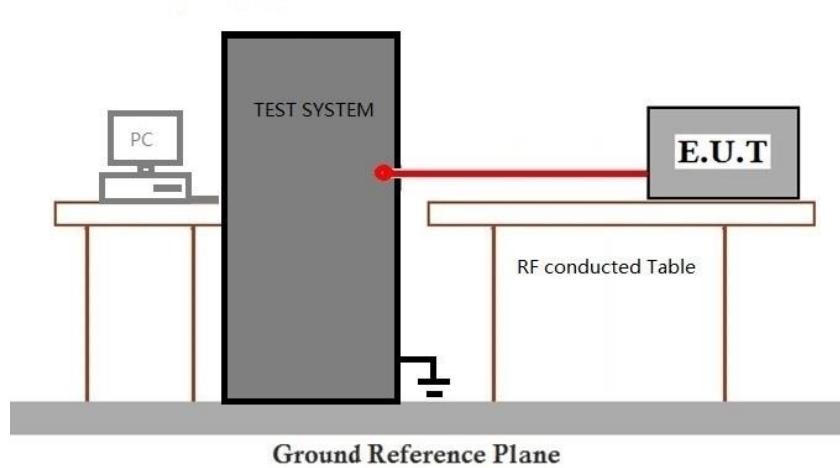
Atmospheric Pressure: 1020 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT(with Antenna B) in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40). Only the data of worst case is recorded in the report.
Pre-scan	01	TX mode_Keep the EUT(with Antenna A) in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40). 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 Conducted Spurious Emissions

Test Requirement 47 CFR Part 15, Subpart C 15.247(d)

Test Method: ANSI C63.10 (2020) Section 11.11

Limit:

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

7.9.1 E.U.T. Operation

Operating Environment:

Temperature: 26.5 °C

Humidity: 45.3 % RH

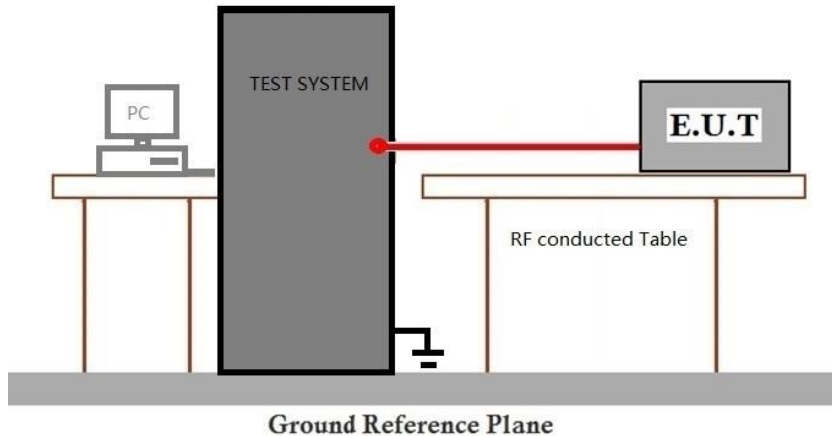
Atmospheric Pressure: 1020 mbar

7.9.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode_Keep the EUT(with Antenna B) in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40). Only the data of worst case is recorded in the report.
Pre-scan	01	TX mode_Keep the EUT(with Antenna A) in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20); data rate @ 13.5Mbps is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW20); data rate @ MCS0 is the worst case of IEEE 802.11ax(HEW40). 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



8 Test Setup Photo

Refer to Appendix - Test Setup Photo for SZCR2507003337AT

9 EUT Constructional Details (EUT Photos)

Refer to External and Internal Photos for SZCR2507003337AT



10 Appendix

1. Duty Cycle

1.1 Test Result

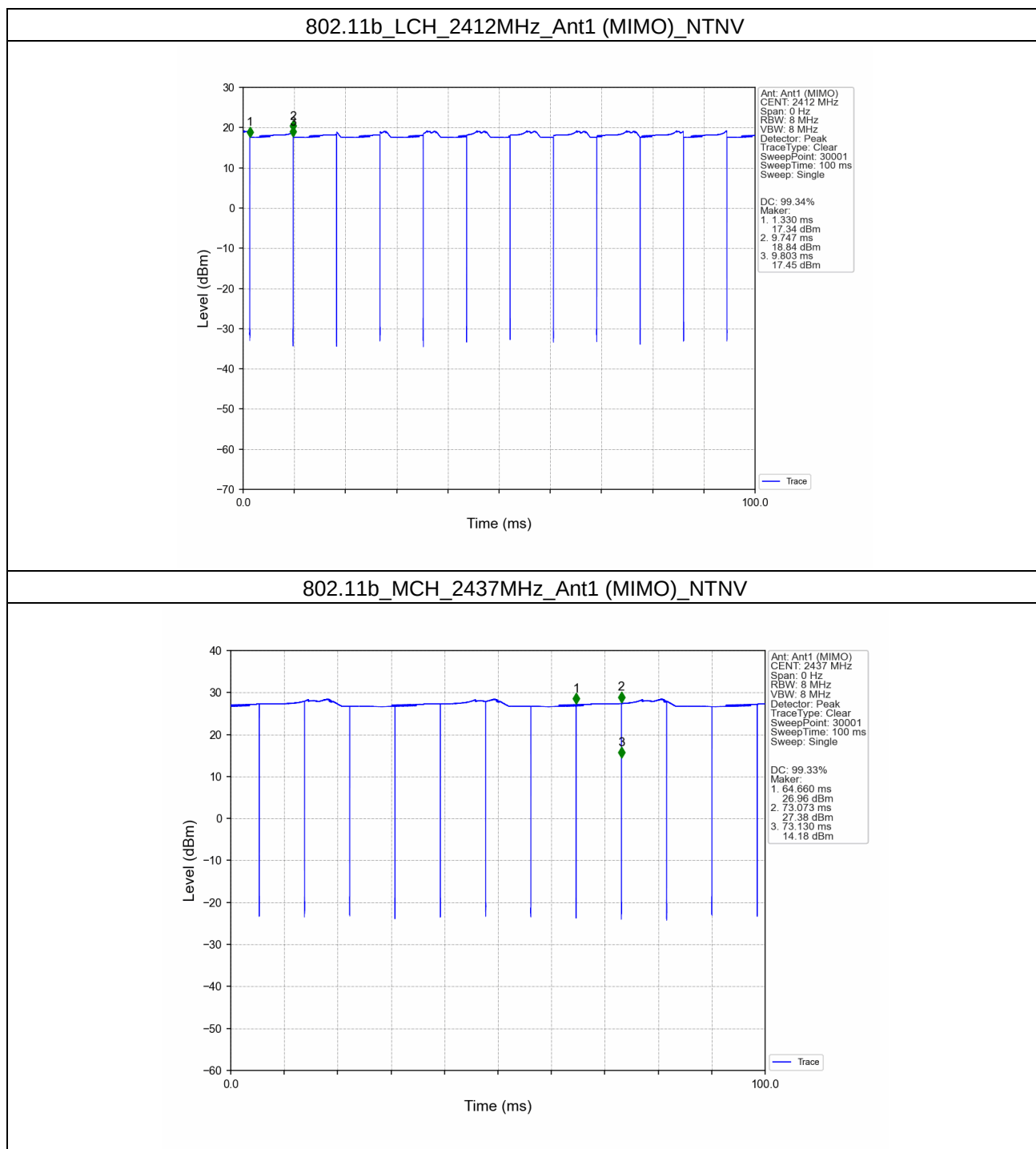
1.1.1 Ant1

Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
802.11b	MIMO	2412	/	/	8.417	8.473	99.34	0.03	0.04
		2437	/	/	8.413	8.470	99.33	0.03	0.00
		2462	/	/	8.413	8.470	99.33	0.03	0.00
802.11g	MIMO	2412	/	/	1.396	1.454	96.01	0.18	0.00
		2437	/	/	1.396	1.453	96.08	0.17	0.00
		2462	/	/	1.397	1.454	96.08	0.17	0.03
802.11n (HT20)	MIMO	2412	/	/	1.308	1.366	95.75	0.19	0.07
		2437	/	/	1.308	1.365	95.82	0.19	0.04
		2462	/	/	1.309	1.365	95.90	0.18	0.03
802.11n (HT40)	MIMO	2422	/	/	0.648	0.705	91.91	0.37	0.03
		2437	/	/	0.648	0.705	91.91	0.37	0.03
		2452	/	/	0.648	0.705	91.91	0.37	0.04
802.11ax (HEW20)	MIMO	2412	RU242	Left	0.315	0.372	84.68	0.72	0.10
		2437	RU242	Left	0.316	0.373	84.72	0.72	0.07
		2462	RU242	Left	0.316	0.373	84.72	0.72	0.04
802.11ax (HEW40)	MIMO	2422	RU484	Left	0.313	0.369	84.82	0.71	0.07
		2437	RU484	Left	0.313	0.369	84.82	0.71	0.04
		2452	RU484	Left	0.313	0.369	84.82	0.71	0.07

Remark: All modes were tested and only worst-case data was recorded in the test report.

1.2 Test Graph

1.2.1 Ant1



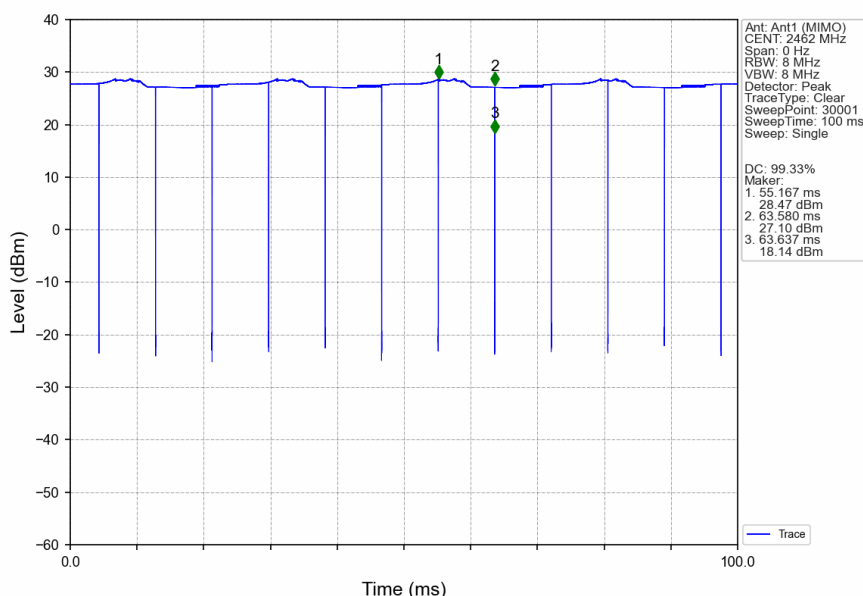
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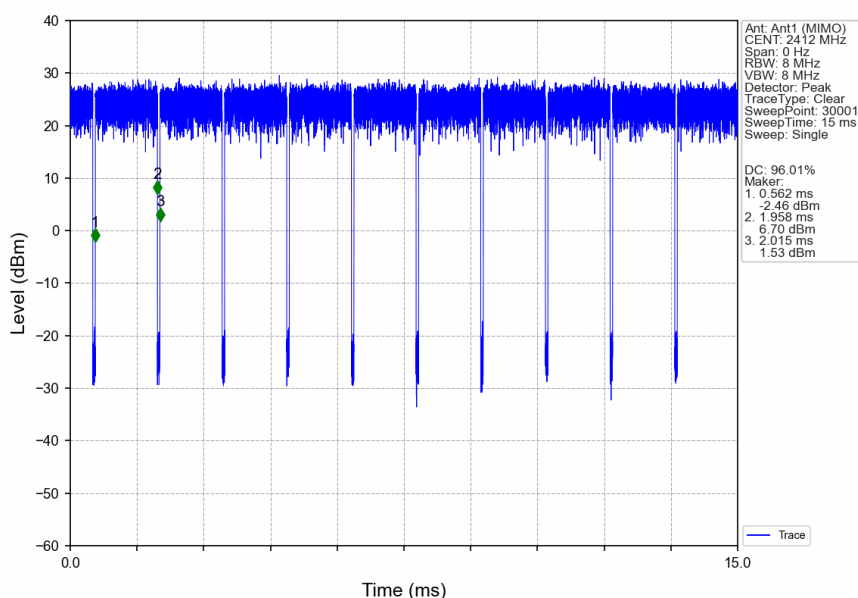
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing & Calibration Laboratory

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

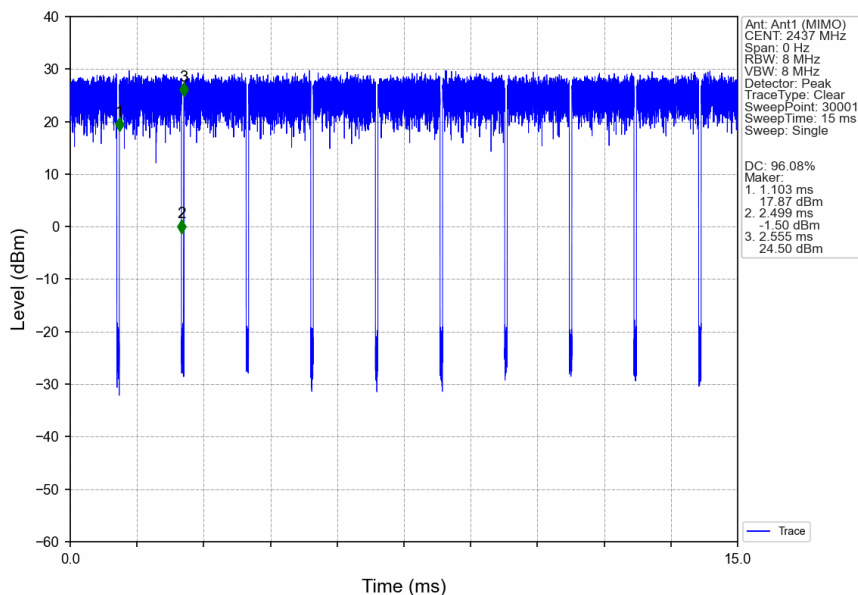
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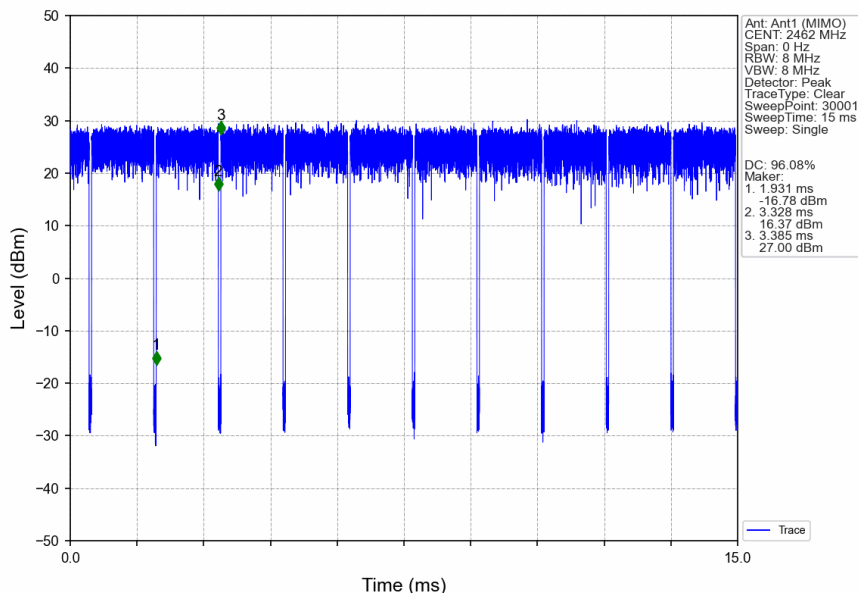
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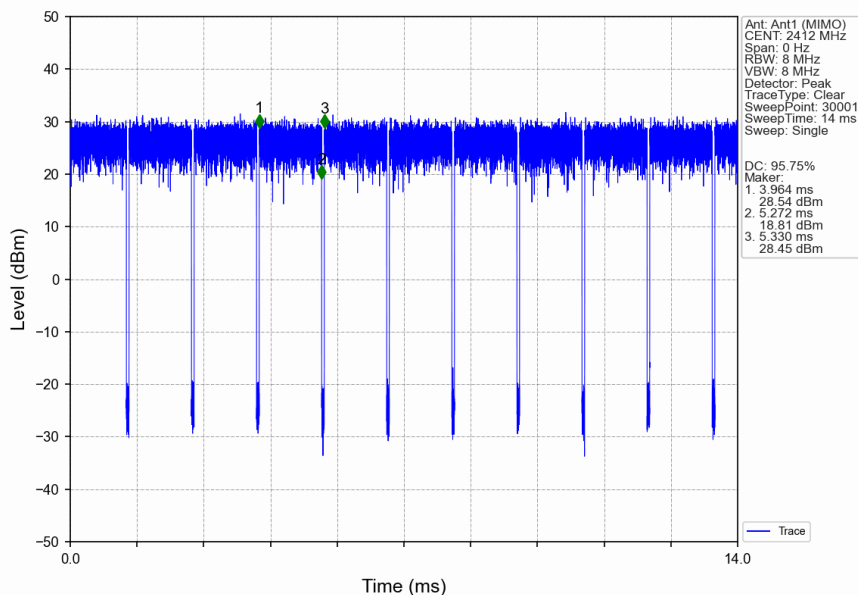
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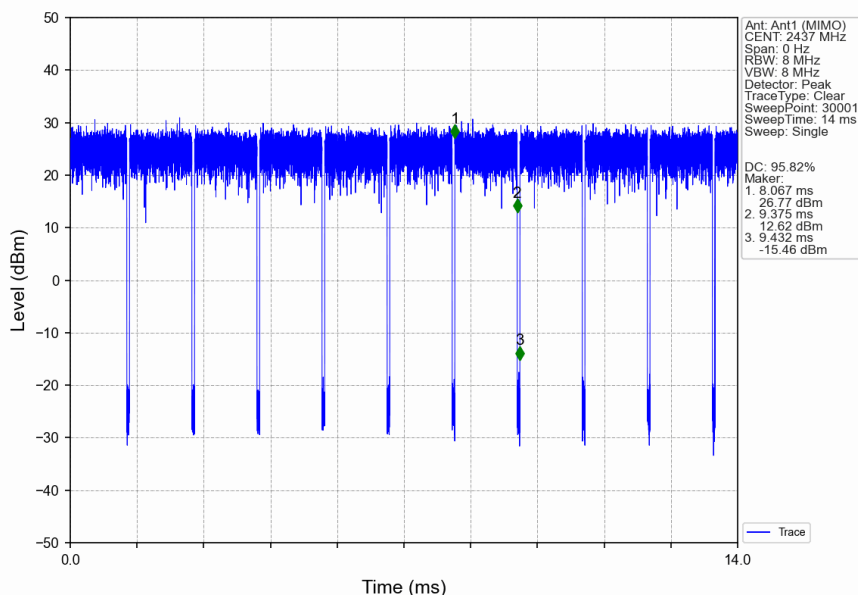
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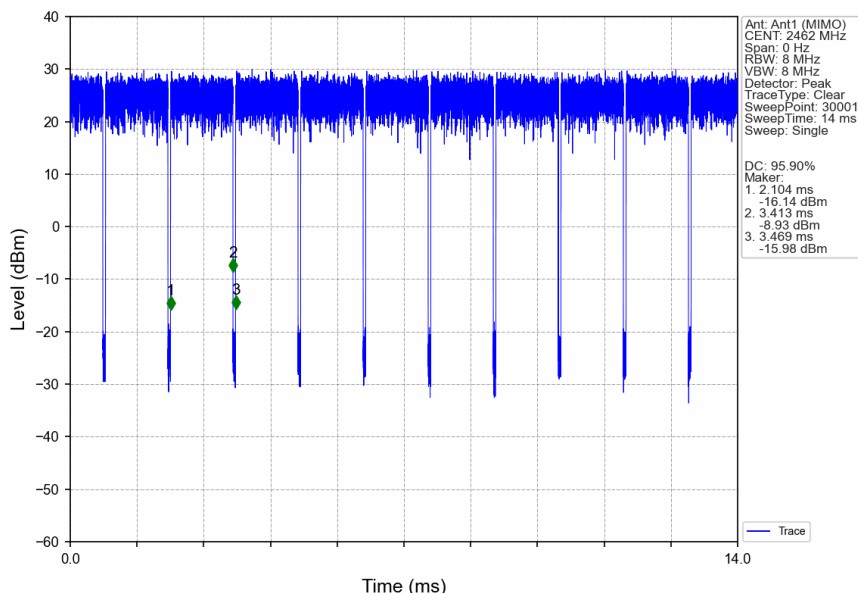
802.11n(HT20)_LCH_2412MHz_Ant1 (MIMO)_NTNV



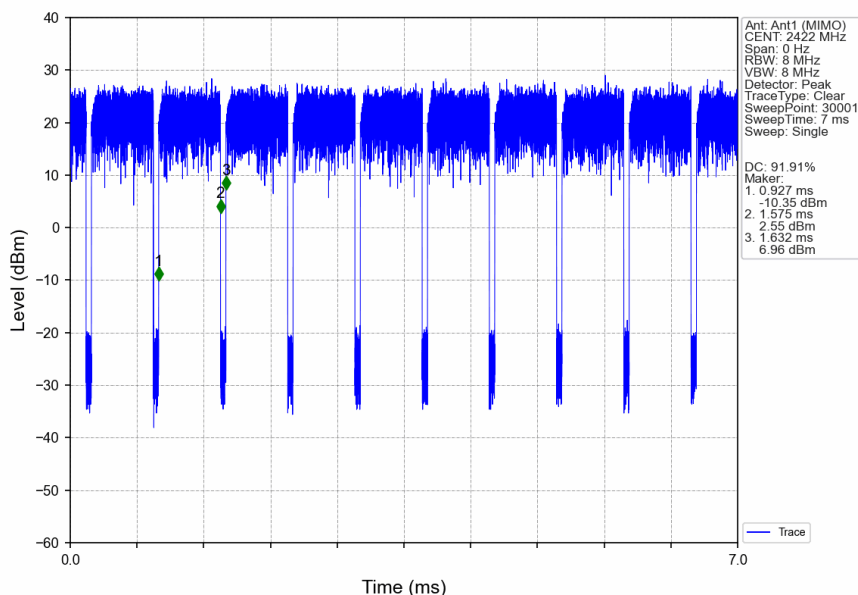
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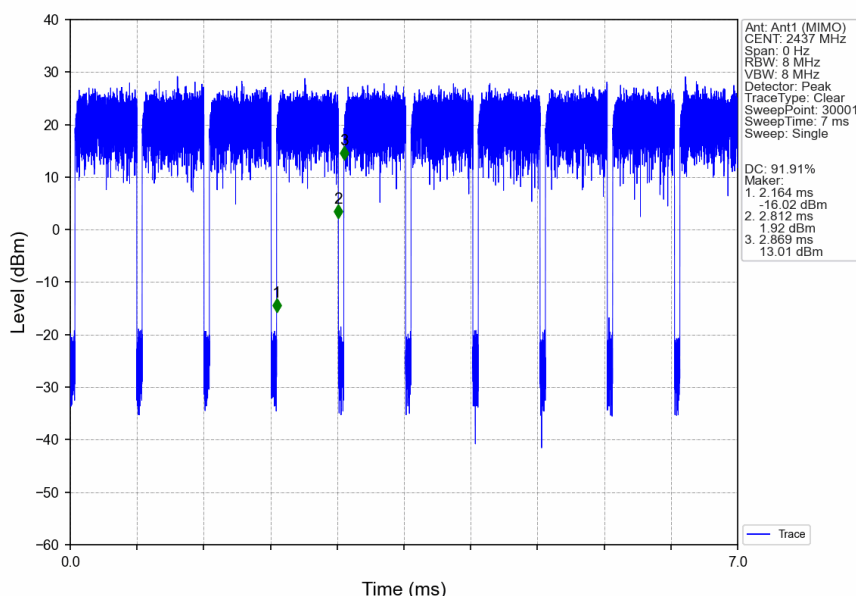
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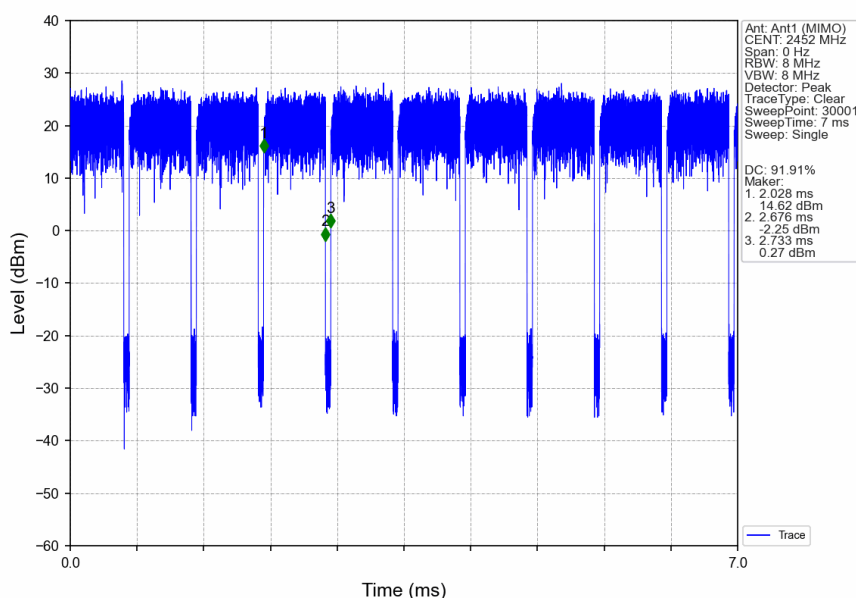
802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_MCH_2437MHz_Ant1 (MIMO)_NTNV



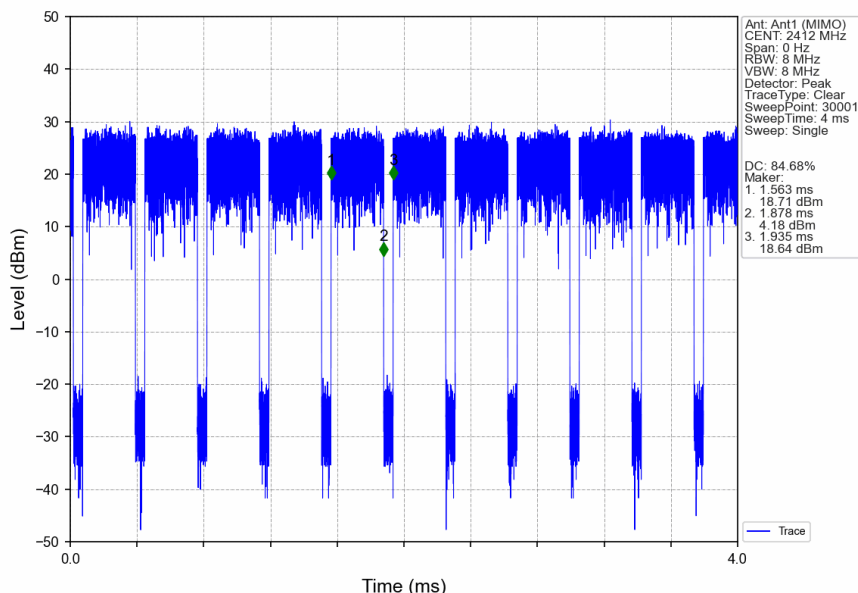
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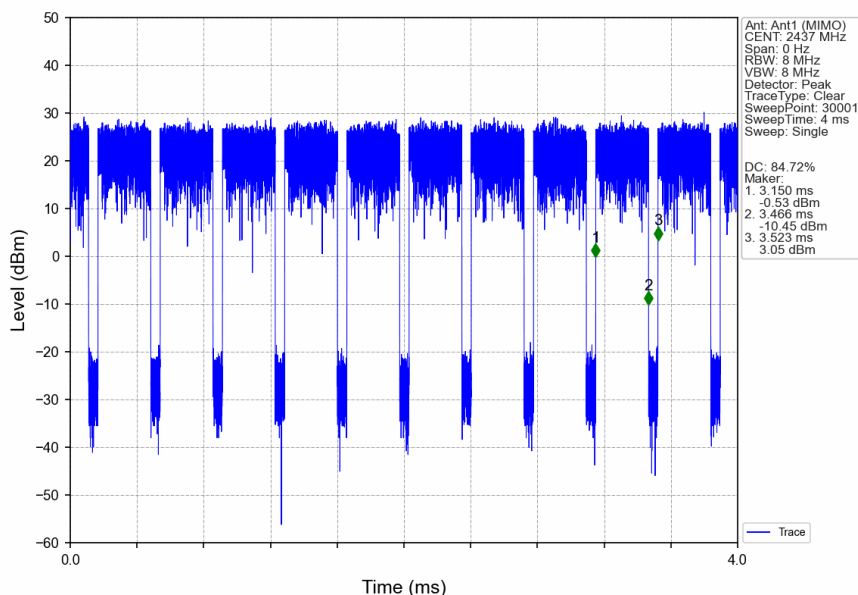
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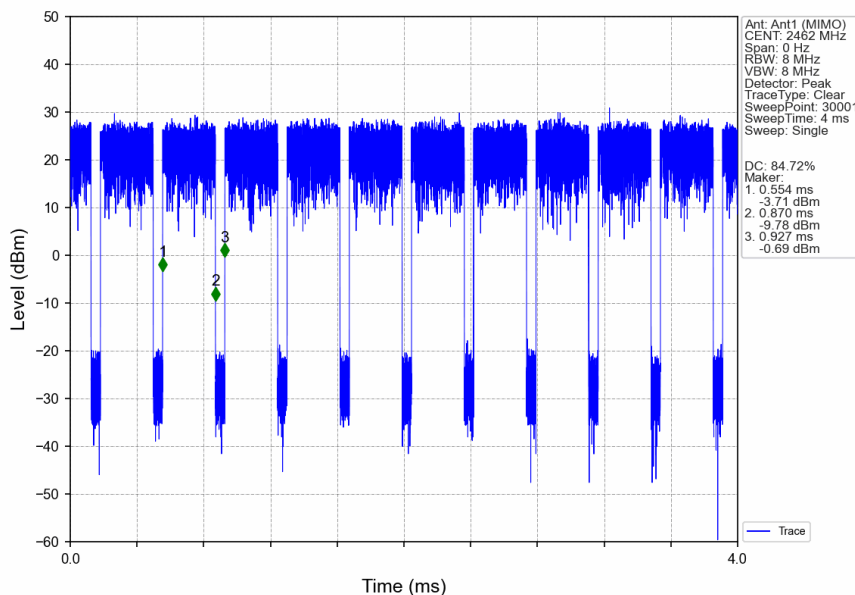
802.11ax(HEW20)_LCH_2412MHz_RU242_Left_Ant1 (MIMO)_NTNV



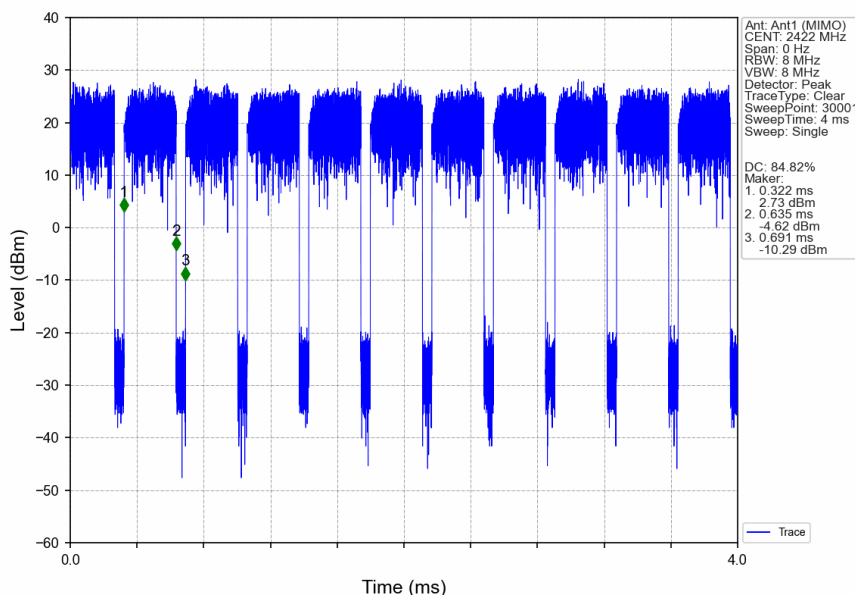
802.11ax(HEW20)_MCH_2437MHz_RU242_Left_Ant1 (MIMO)_NTNV



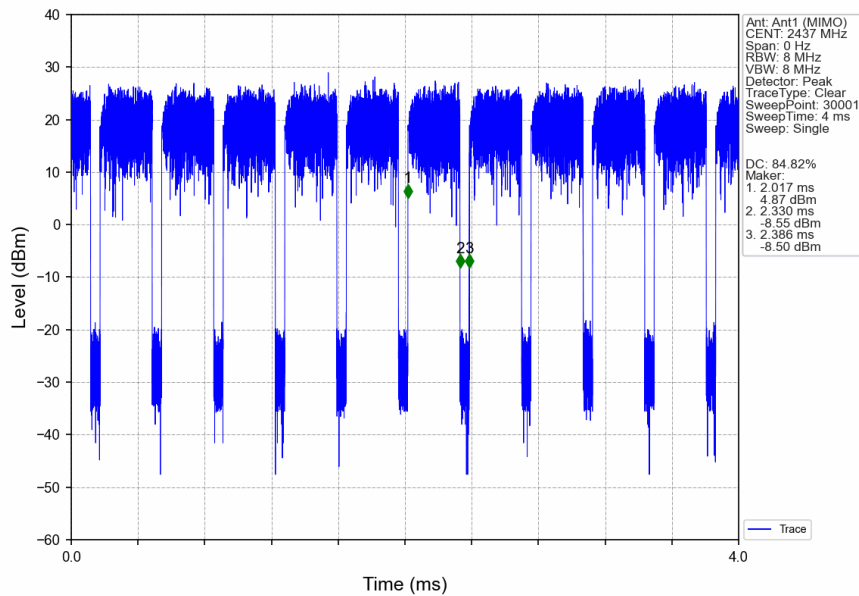
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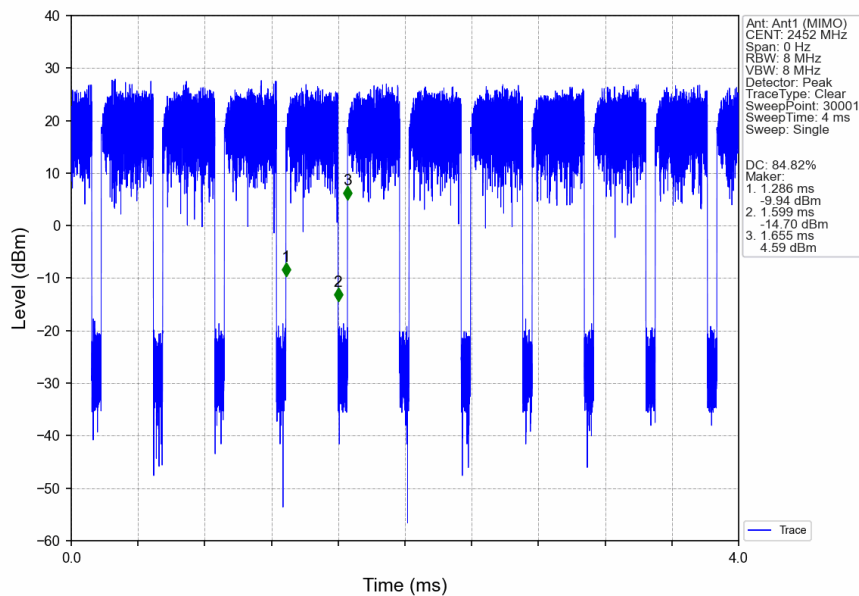
802.11ax(HEW40)_LCH_2422MHz_RU484_Left_Ant1 (MIMO)_NTNV



802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant1 (MIMO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_RU484_Left_Ant1 (MIMO)_NTNV



2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	MIMO	2412	/	/	1	12.521	/	Pass
		2437	/	/	1	12.516	/	Pass
		2462	/	/	1	12.524	/	Pass
802.11g	MIMO	2412	/	/	1	17.383	/	Pass
		2437	/	/	1	17.442	/	Pass
		2462	/	/	1	17.404	/	Pass
802.11n (HT20)	MIMO	2412	/	/	1	18.266	/	Pass
		2437	/	/	1	18.487	/	Pass
		2462	/	/	1	18.424	/	Pass
802.11n (HT40)	MIMO	2422	/	/	1	36.662	/	Pass
		2437	/	/	1	36.792	/	Pass
		2452	/	/	1	36.768	/	Pass
802.11ax (HEW20)	MIMO	2412	RU242	Left	1	18.990	/	Pass
		2437	RU242	Left	1	19.191	/	Pass
		2462	RU242	Left	1	19.132	/	Pass
802.11ax (HEW40)	MIMO	2422	RU484	Left	1	37.865	/	Pass
		2437	RU484	Left	1	38.103	/	Pass
		2452	RU484	Left	1	38.028	/	Pass

Remark: All modes were tested and only worst-case data was recorded in the test report.

2.1.2 6dB BW

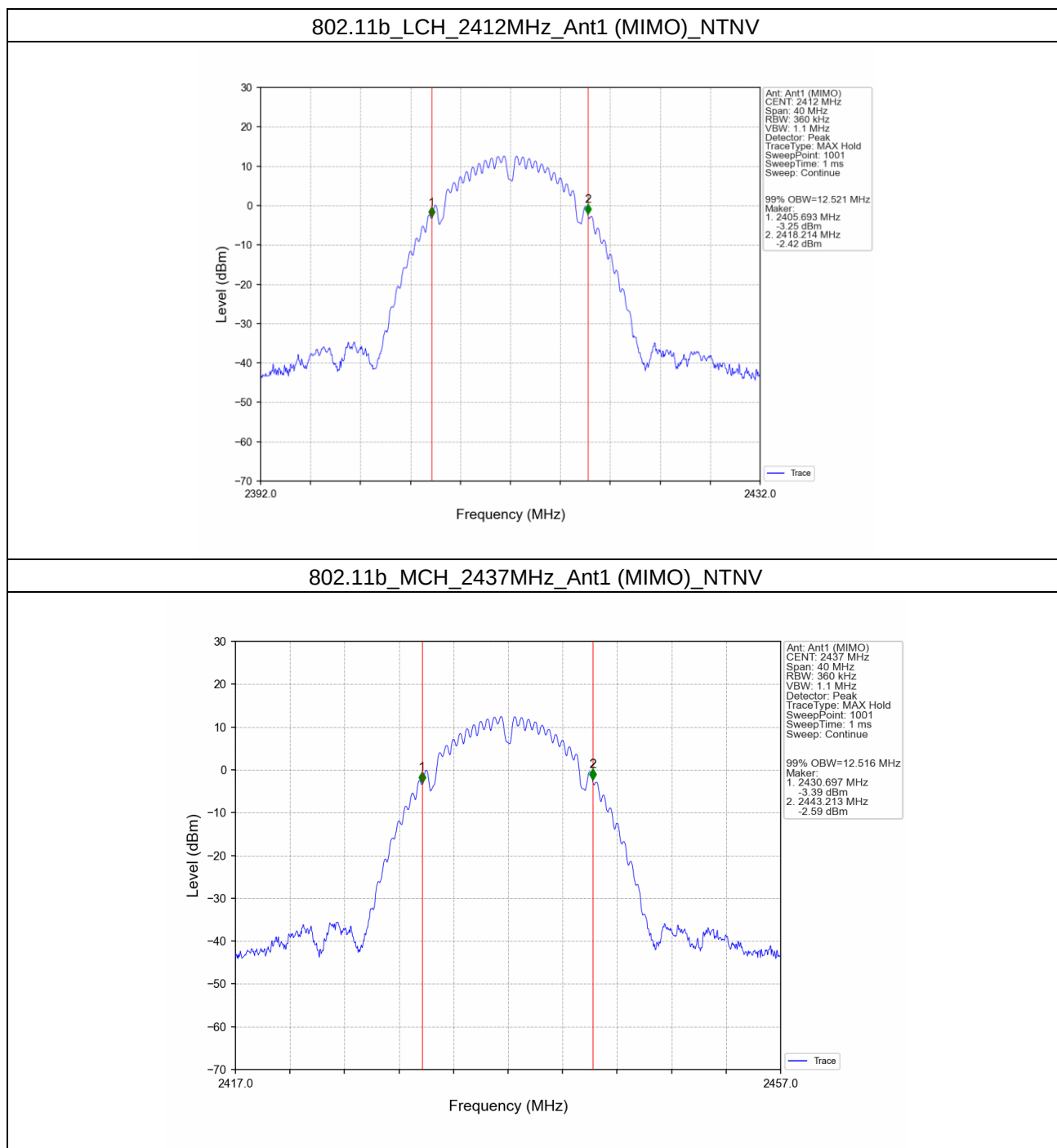
Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11b	MIMO	2412	/	/	1	8.195	>=0.5	Pass
		2437	/	/	1	8.194	>=0.5	Pass
		2462	/	/	1	8.196	>=0.5	Pass
802.11g	MIMO	2412	/	/	1	16.263	>=0.5	Pass
		2437	/	/	1	15.845	>=0.5	Pass
		2462	/	/	1	15.951	>=0.5	Pass
802.11n (HT20)	MIMO	2412	/	/	1	17.215	>=0.5	Pass
		2437	/	/	1	17.388	>=0.5	Pass
		2462	/	/	1	17.207	>=0.5	Pass
802.11n (HT40)	MIMO	2422	/	/	1	35.663	>=0.5	Pass
		2437	/	/	1	35.847	>=0.5	Pass
		2452	/	/	1	35.709	>=0.5	Pass
802.11ax (HEW20)	MIMO	2412	RU242	Left	1	18.126	>=0.5	Pass
		2437	RU242	Left	1	18.318	>=0.5	Pass
		2462	RU242	Left	1	17.660	>=0.5	Pass
802.11ax (HEW40)	MIMO	2422	RU484	Left	1	36.872	>=0.5	Pass
		2437	RU484	Left	1	36.617	>=0.5	Pass
		2452	RU484	Left	1	35.729	>=0.5	Pass

Remark: All modes were tested and only worst-case data was recorded in the test report.

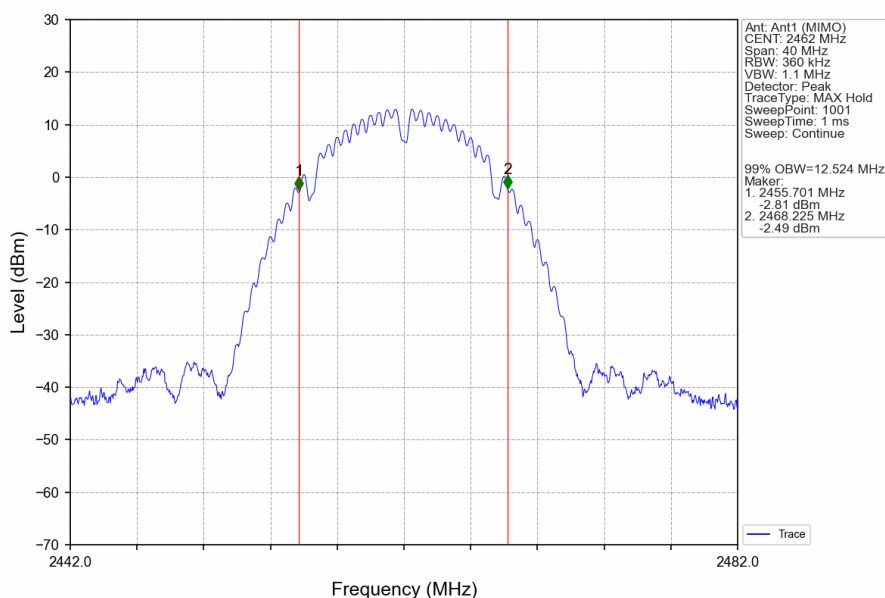


2.2 Test Graph

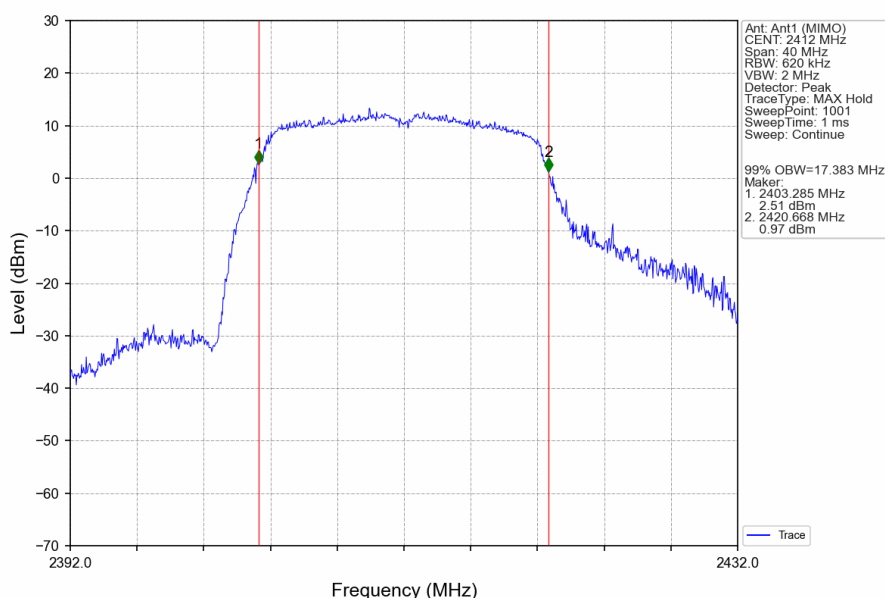
2.2.1 OBW



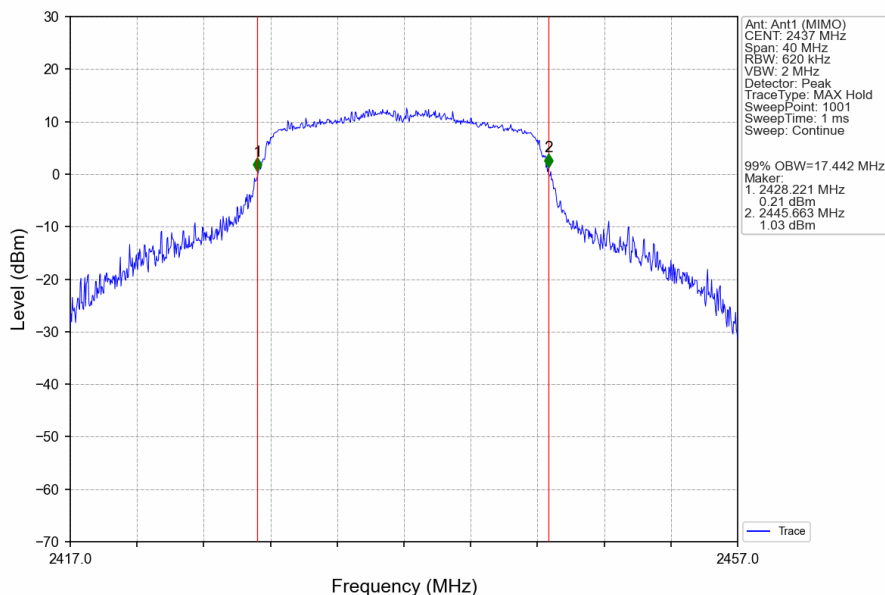
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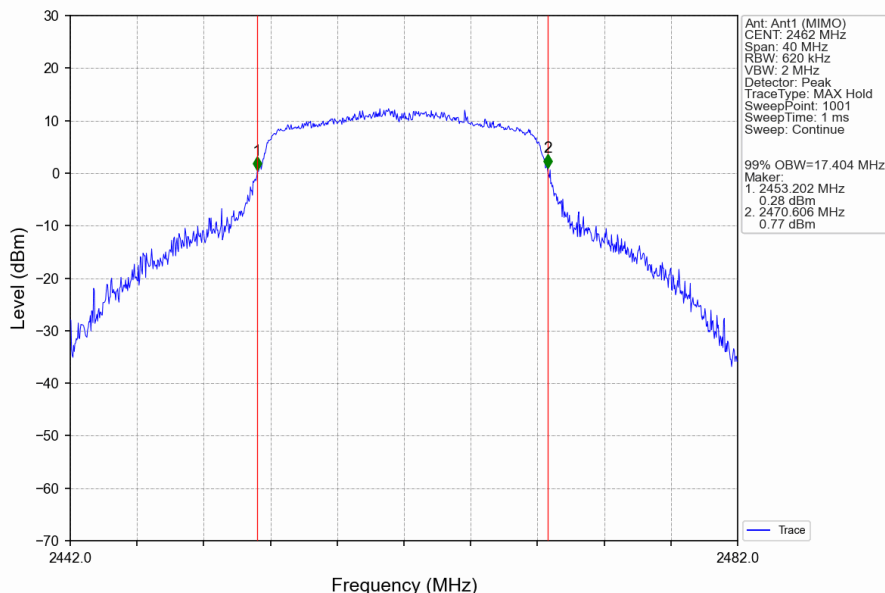
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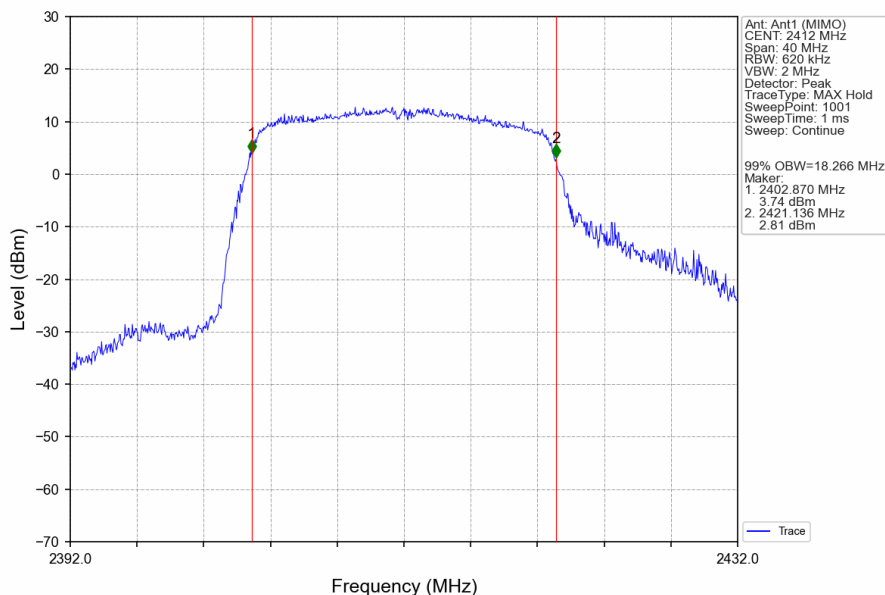
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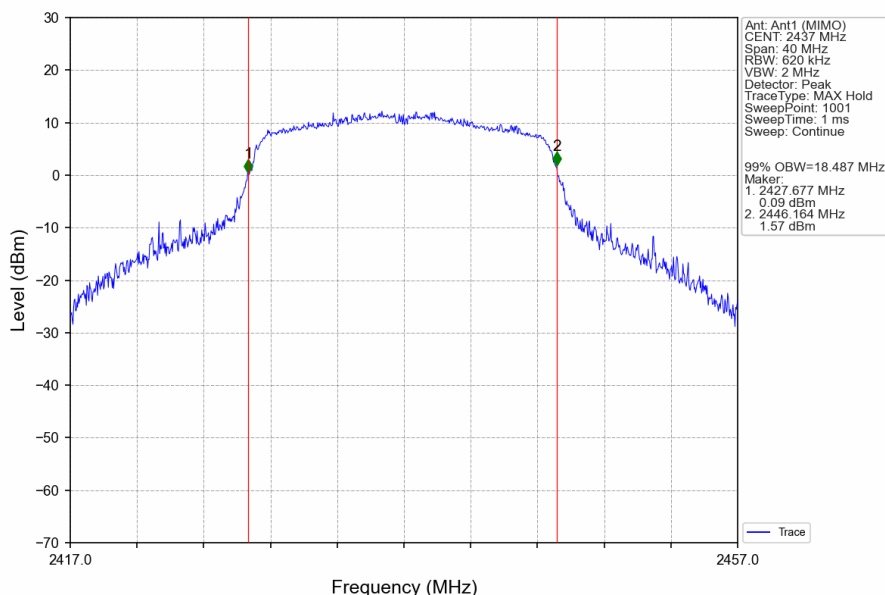
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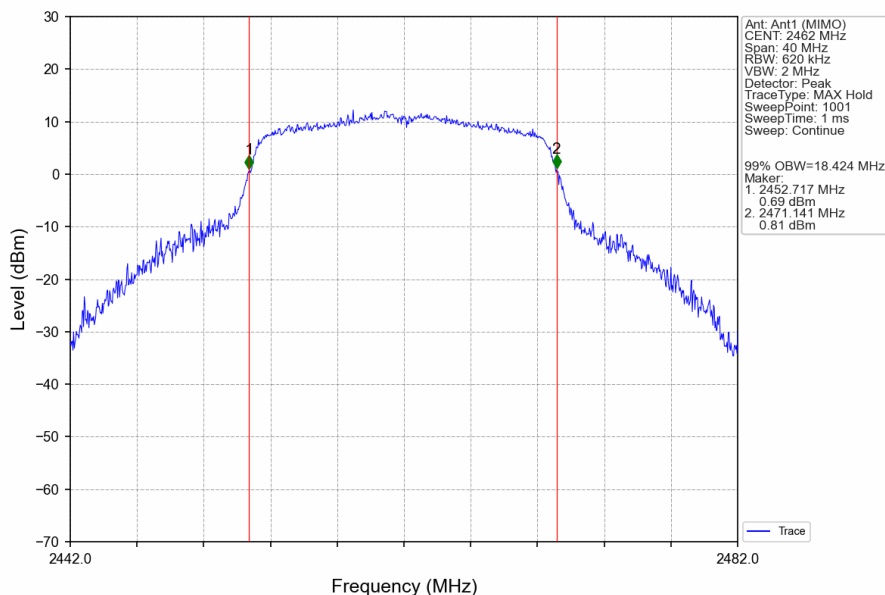
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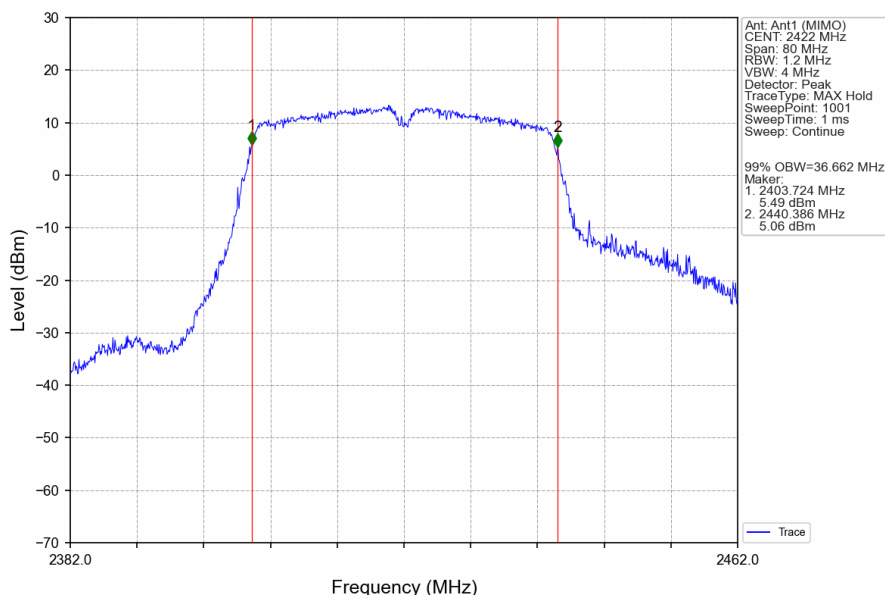
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802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



802.11n(HT40)_LCH_2422MHz_Ant1 (MIMO)_NTNV



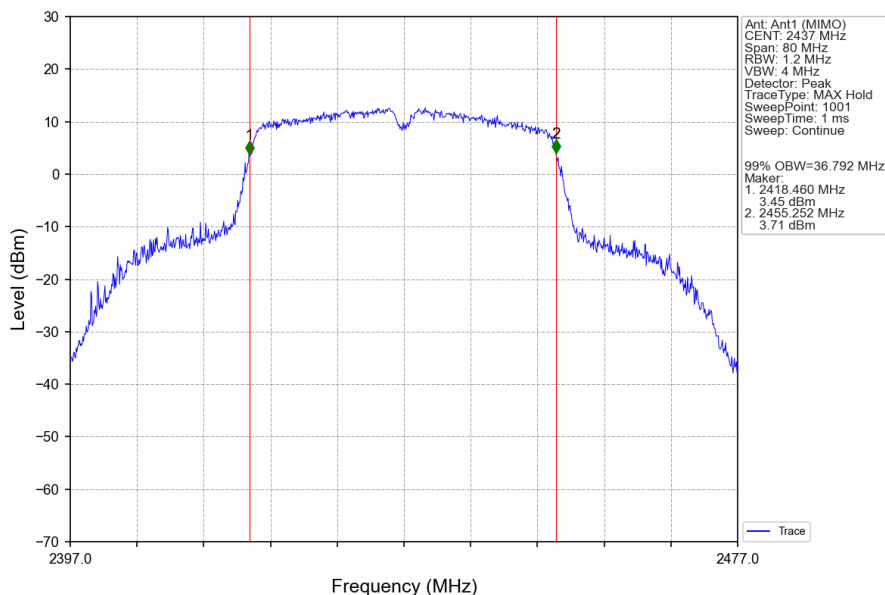
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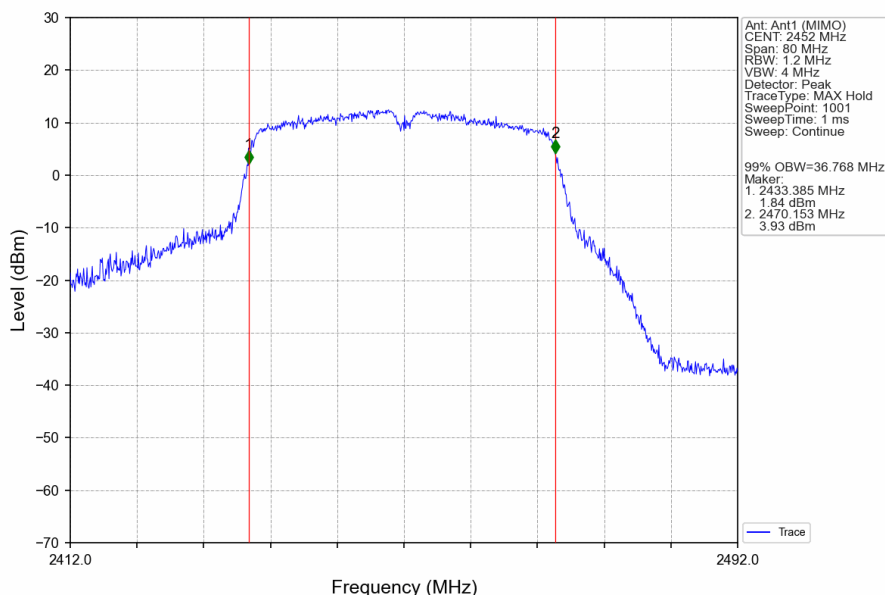
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Shenzhen Branch Testing & Calibration Laboratory

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.sgs.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

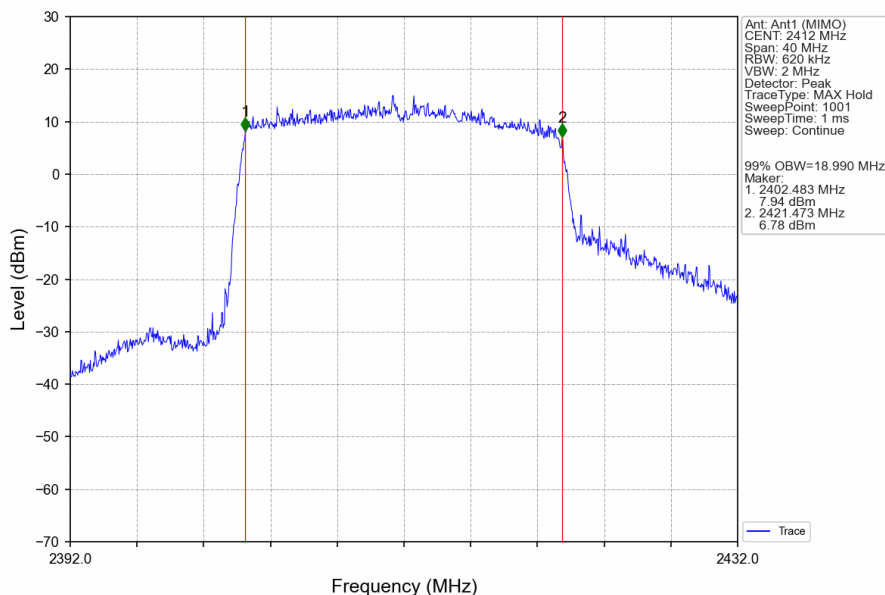
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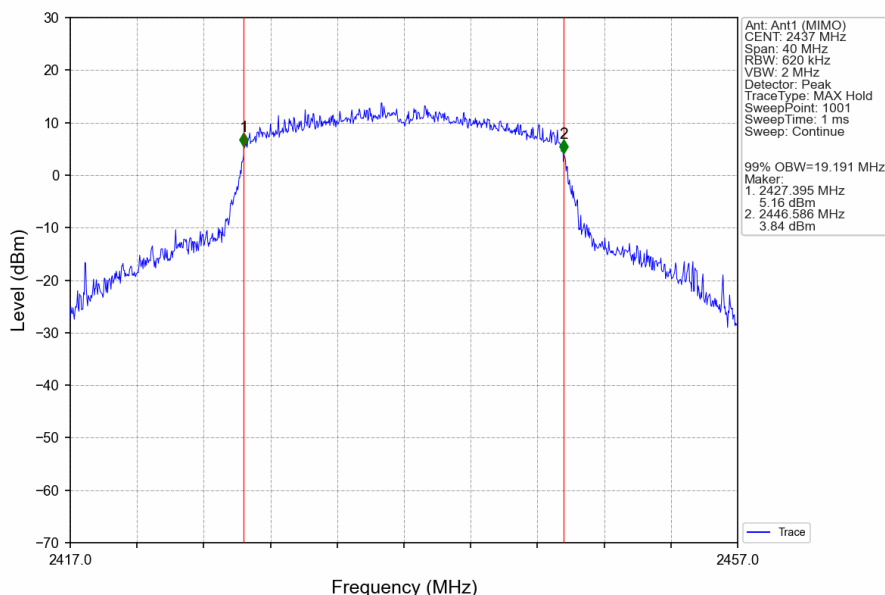
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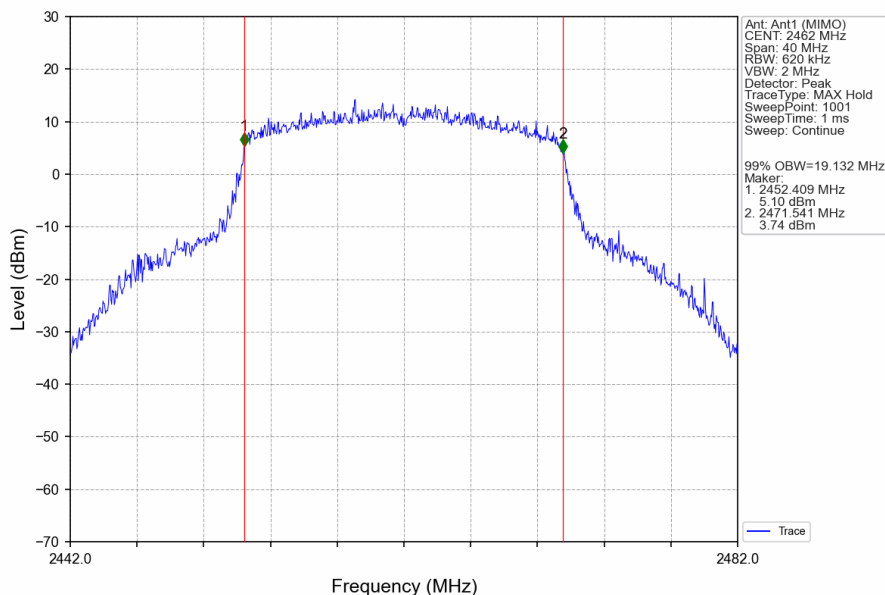
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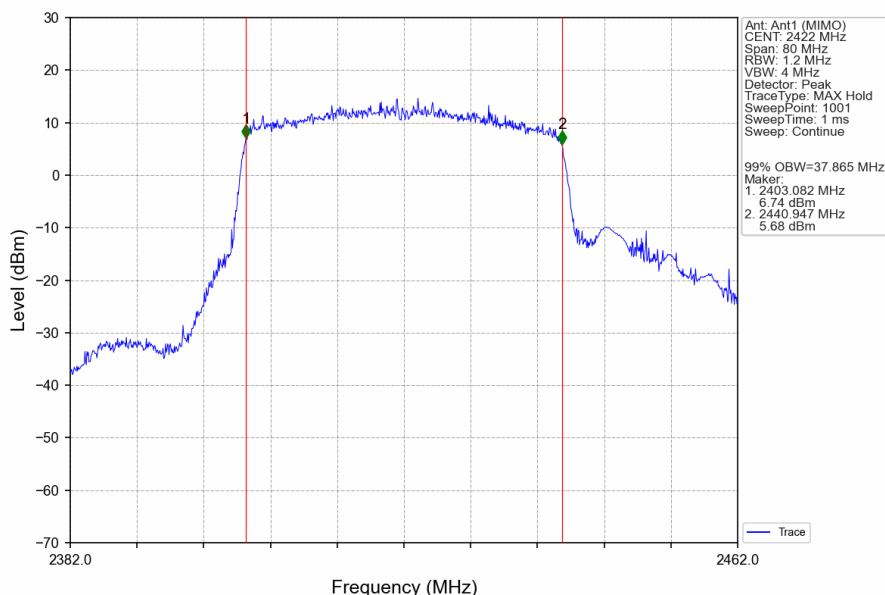
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802.11ax(HEW20)_HCH_2462MHz_RU242_Left_Ant1 (MIMO)_NTNV



802.11ax(HEW40)_LCH_2422MHz_RU484_Left_Ant1 (MIMO)_NTNV



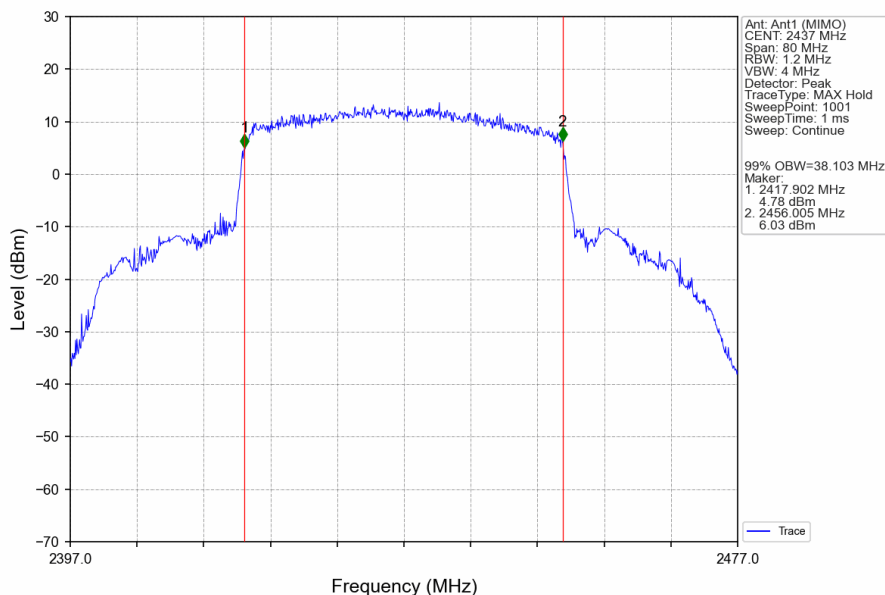
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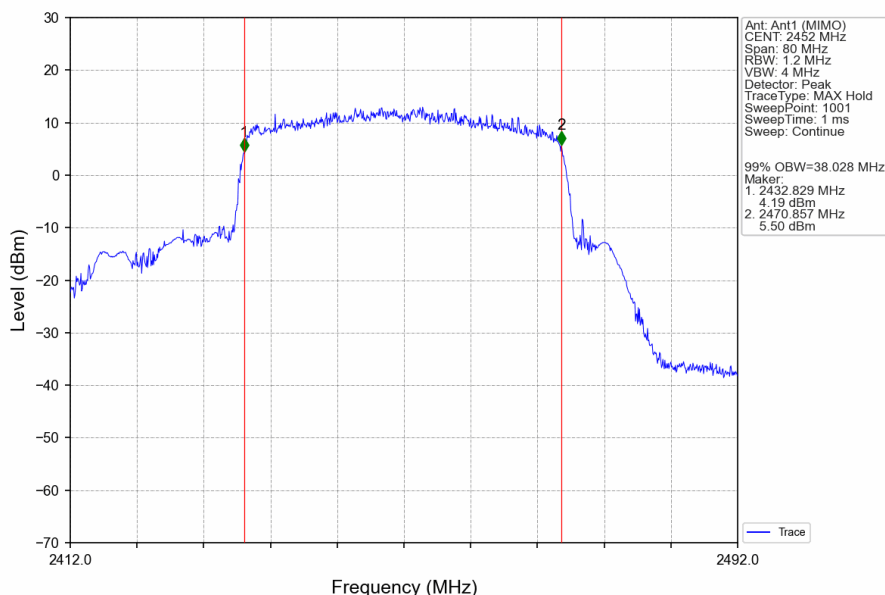
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802.11ax(HEW40)_MCH_2437MHz_RU484_Left_Ant1 (MIMO)_NTNV



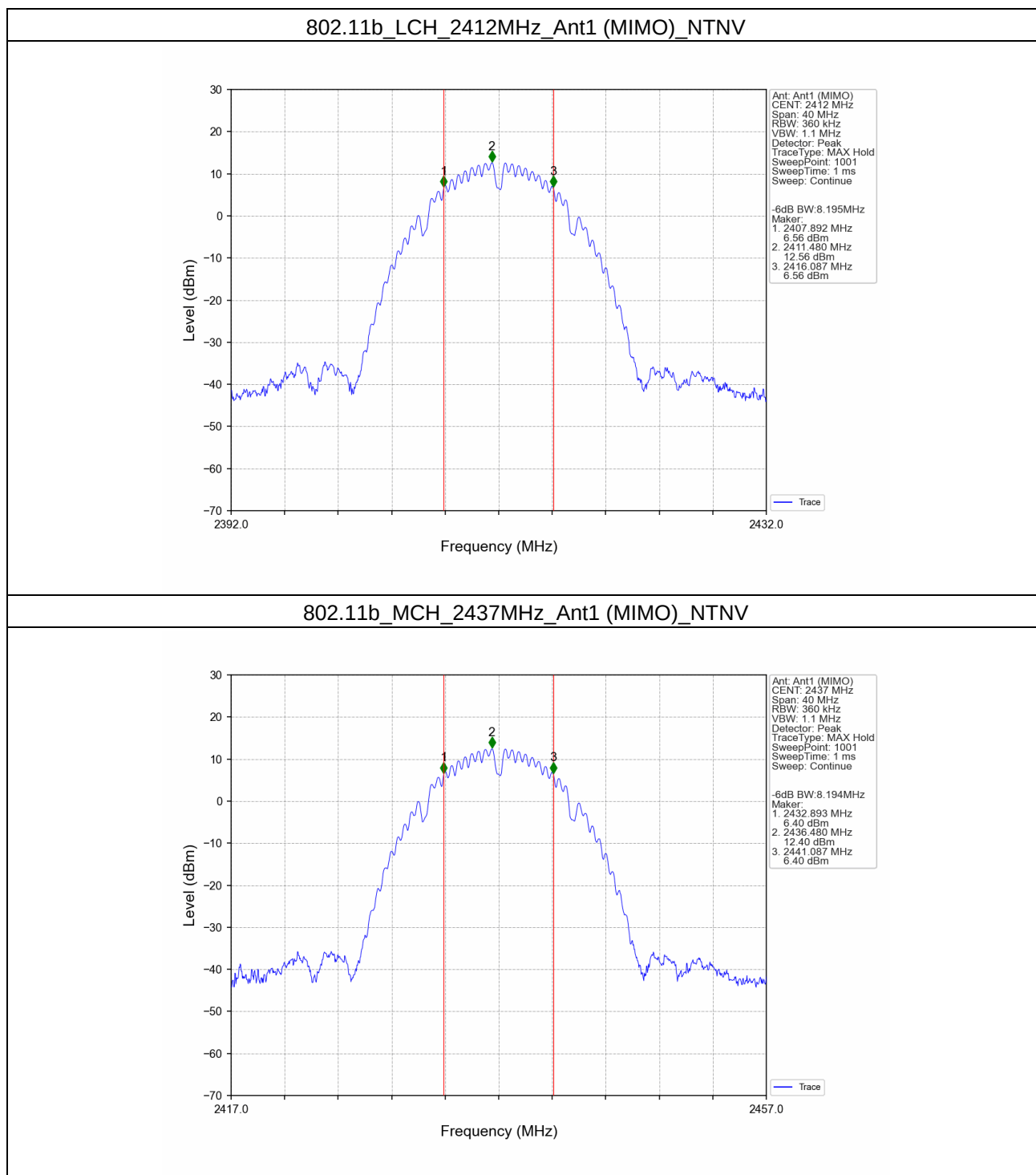
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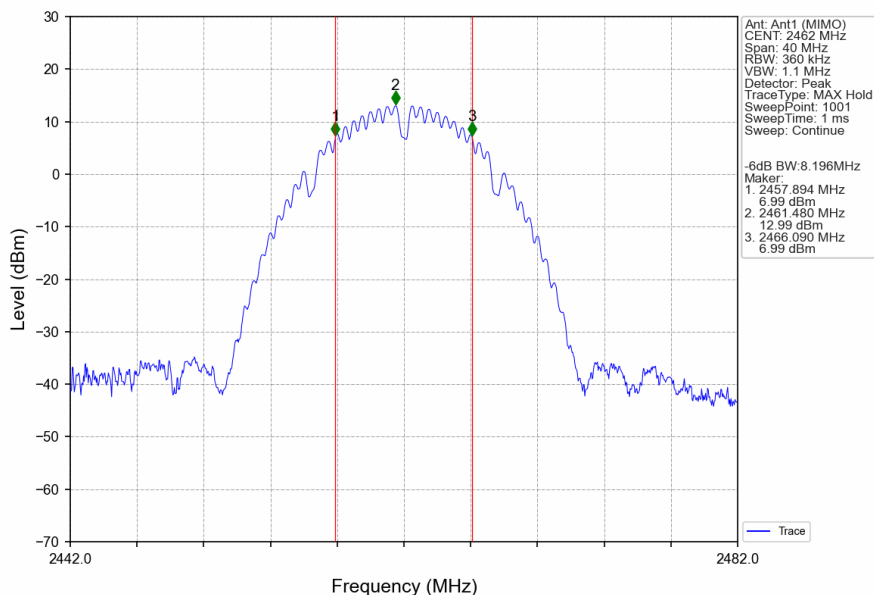
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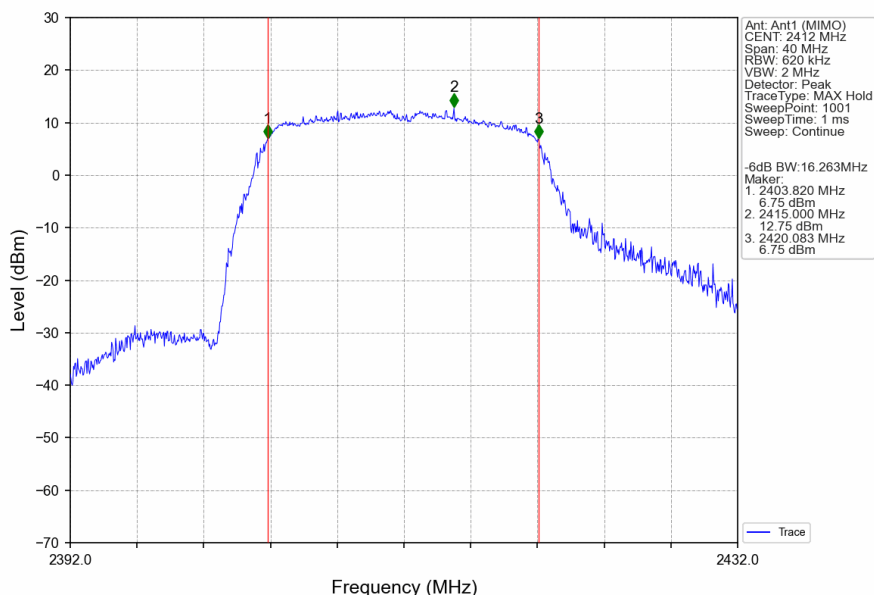
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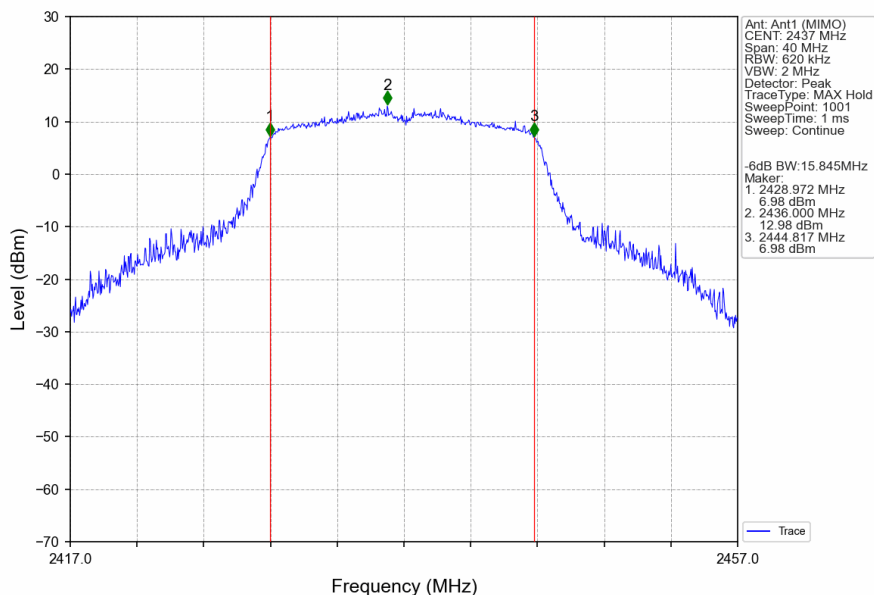
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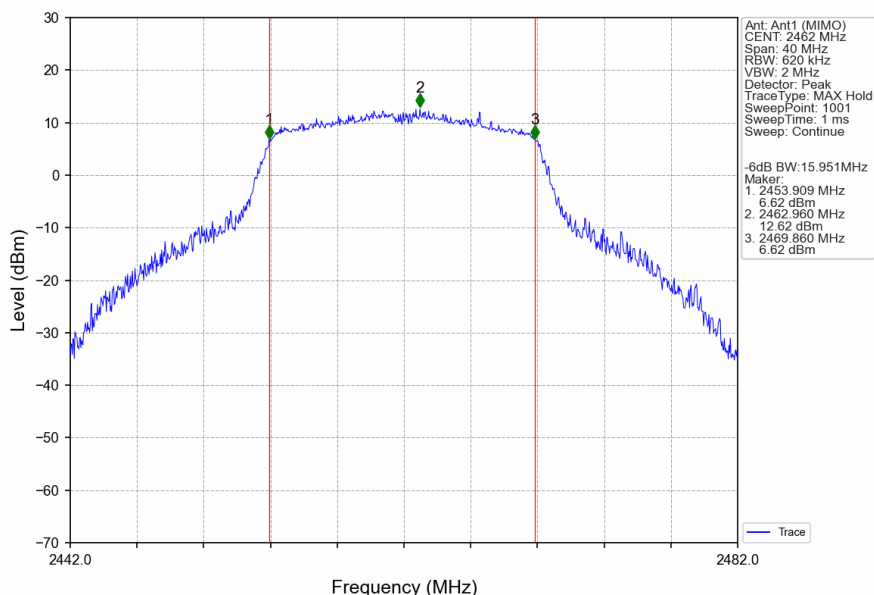
802.11g_LCH_2412MHz_Ant1 (MIMO)_NTNV



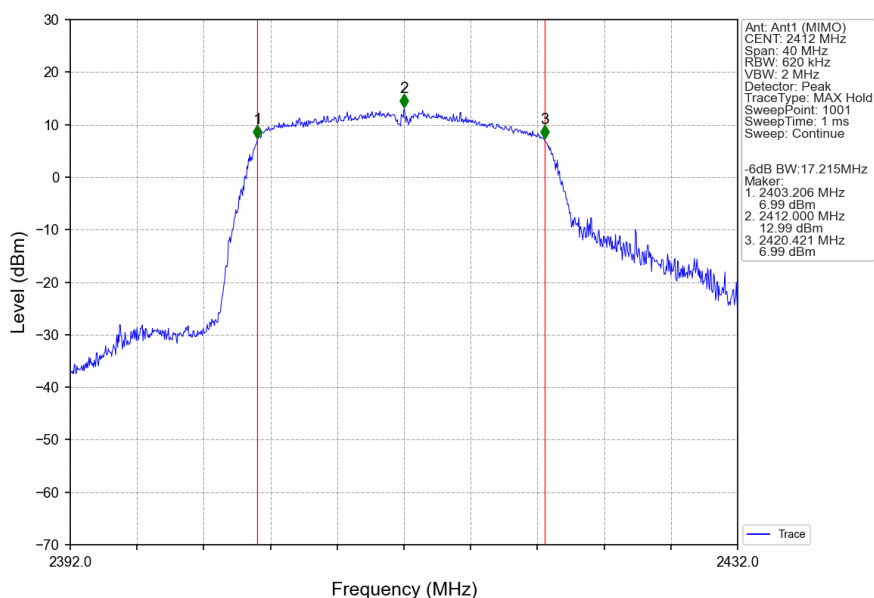
802.11g_MCH_2437MHz_Ant1 (MIMO)_NTNV



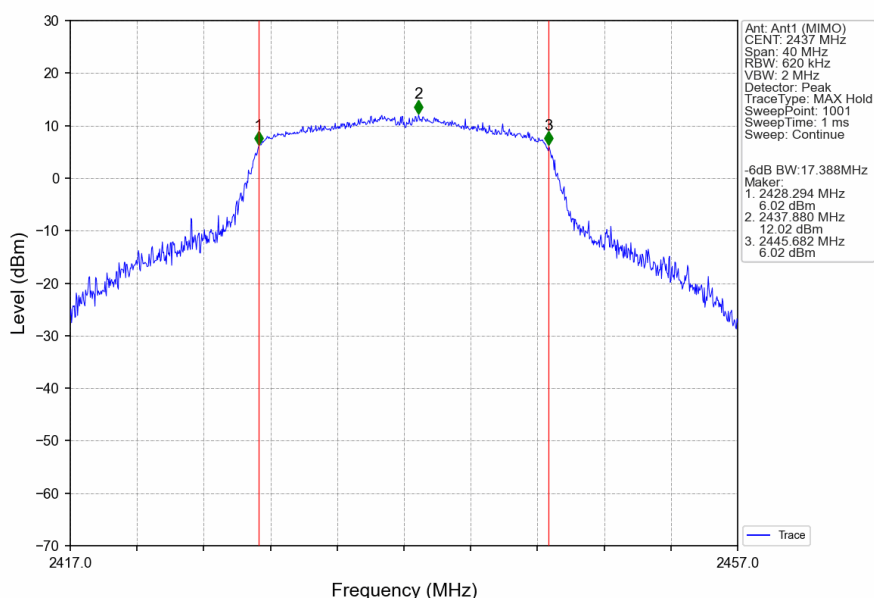
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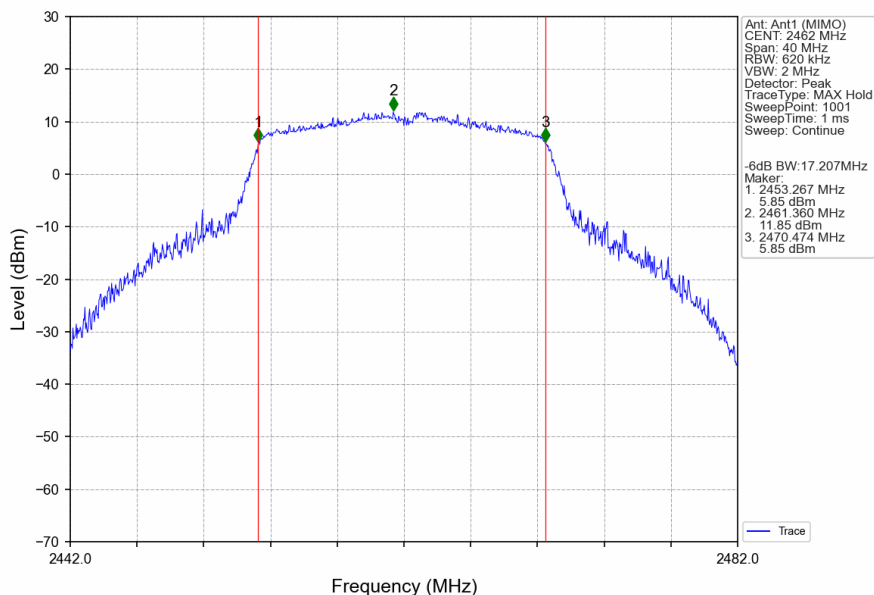
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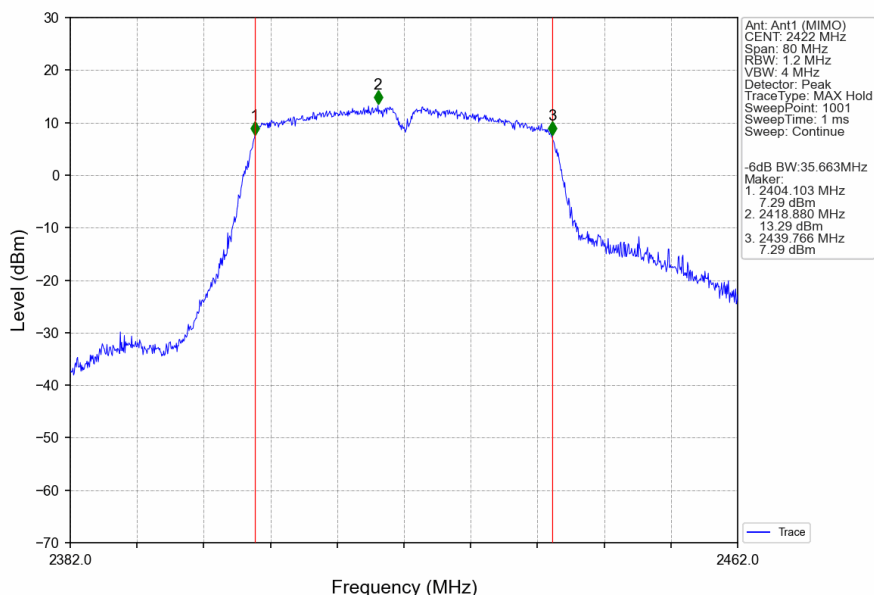
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802.11n(HT20)_HCH_2462MHz_Ant1 (MIMO)_NTNV



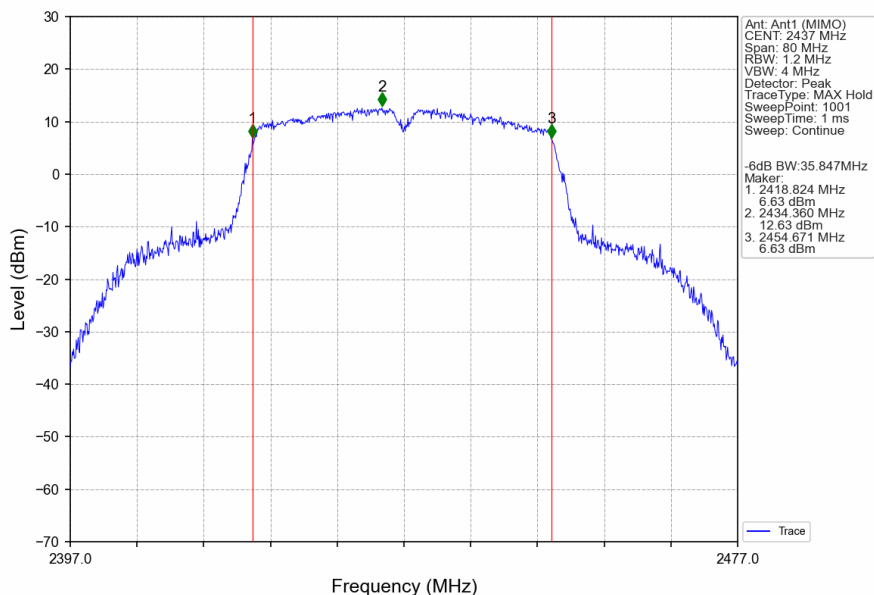
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