

TEST REPORT

Product Name : MINI PC
Brand Name : N/A
Model : MS-03-S386H
Series Model : See page 6
FCC ID : 2A49R-MS-03-S386H
Applicant : MICRO COMPUTER (HK) TECH LIMITED
Address : RM 18, 28/F, Shui On Centre, 6-8 Harbour Road, WaterfRont,
Wan Chai, HK
Manufacturer : MICRO COMPUTER (HK) TECH LIMITED
Address : RM 18, 28/F, Shui On Centre, 6-8 Harbour Road, WaterfRont,
Wan Chai, HK
Standard(s) : FCC CFR Title 47 Part 15 Subpart C Section 15.247
Date of Receipt : April 29, 2026
Date of Test : April 29, 2026~ June 22, 2026
Issued Date : June 23, 2026

Issued By: Dongguan Yaxu (AiT) Technology Limited
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Reviewed by: Emiya Lin
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Note: This device has been tested and found to comply with the standard(s) listed, this test report merely corresponds to the test sample. It is not permitted to copy extracts of these test result without the written permission of the test laboratory. This report shall not be reproduced except in full, without the written approval of Dongguan Yaxu (AiT) Technology Limited. If there is a need to alter or revise this document, the right belongs to Dongguan Yaxu (AiT) Technology Limited, and it should give a prior written notice of the revision document. This test report must not be used by the client to claim product endorsement.

**Report Revise Record**

Report Version	Issued Date	Notes
M0	June 23, 2026	Initial Release

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1 TEST SUMMARY

1.1 Test Standards

The tests were performed according to following standards:

[FCC Rules Part 15.247](#): Frequency Hopping, Direct Spread Spectrum and Hybrid Systems that are in operation within the bands of 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz

[ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024 + Errata to C63.10a-2024](#): American National Standard for Testing Unlicensed Wireless Devices

[KDB558074 D01 15.247 Meas Guidance v05r02](#): Guidance for Compliance Measurements on Digital Transmission System, Frequency Hopping Spread Spectrum System, and Hybrid System Devices Operating Under Section 15.247 of the FCC Rules

[KDB 662911 D01 Multiple Transmitter Output v02r01](#).

1.2 Test Summary

Test Item	Section in 47 CFR	Result
Antenna requirement	§15.203	Pass
On Time and Duty Cycle	/	/
AC Power Line Conducted Emission	§ 15.207(a)	Pass
Maximum Conducted Peak Output Power	§15.247 (b)(3)	Pass*
-6dB Bandwidth	§15.247 (a)(2)	Pass*
Power Spectral Density	§15.247 (e)	Pass*
Transmitter Radiated Spurious Emission	§15.205/15.209	Pass
Restricted Bands	§15.205/15.209	Pass
Conducted Unwanted emissions and Bandedge	§15.205, §15.247(d)	Pass*
Note: * means that this item refers to module report for FCC ID:PD9BE211NGW.		

1.3 Test Facility

Test Laboratory: Dongguan Yaxu (AiT) Technology Limited

No.22, Jinqianling 3rd Street, Jitigang, Huangjiang, Dongguan, Guangdong, China

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

CNAS-Registration No: L6177

Dongguan Yaxu (AiT) technology Limited is accredited to ISO/IEC 17025:2017 general Requirements for the competence of testing and calibration laboratories (CNAS-CL01 Accreditation Criteria for the competence of testing and calibration laboratories) on April 18, 2022

FCC-Registration No.: 703111 Designation Number: CN1313

Dongguan Yaxu (AiT) Technology Limited has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files.

IC-Registration No.: 6819A CAB identifier: CN0122

The 3m Semi-anechoic chamber of Dongguan Yaxu (AiT) Technology Limited has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 6819A

A2LA-Lab Cert. No.: 6317.01

Dongguan Yaxu (AiT) Technology Limited has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2017 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

1.4 Measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report according to CISPR 16 - 4"Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements" and is documented in the Dongguan Yaxu (AiT) Technology Limited's quality system according to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Yaxu (AiT) laboratory is reported:

Test	Measurement Uncertainty	Notes
Power Line Conducted Emission	9KHz~30MHz ± 1.20 dB	(1)
Radiated Emission	9KHz~30MHz ± 3.10 dB	(1)
Radiated Emission	30MHz~1GHz ± 3.75 dB	(1)
Radiated Emission	1GHz~18GHz ± 3.88 dB	(1)
Radiated Emission	18GHz-40GHz ± 3.88 dB	(1)
RF power, conducted	30MHz~7.5GHz ± 0.16 dB	(1)
RF power density, conducted	± 0.24 dB	(1)
Spurious emissions, conducted	± 0.21 dB	(1)
Temperature	$\pm 1^{\circ}\text{C}$	(1)
Humidity	$\pm 3\%$	(1)
DC and low frequency voltages	$\pm 1.5\%$	(1)
Time	$\pm 2\%$	(1)
Duty cycle	$\pm 2\%$	(1)

The report uncertainty of measurement $y \pm U$, where expended uncertainty U is based on a standard uncertainty Multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95%

2 GENERAL INFORMATION

2.1 Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Normal Temperature:	25°C
Relative Humidity:	55 %
Air Pressure:	101 kPa

2.2 General Description of EUT

Product Name:	MINI PC
Model/Type reference:	MS-03-S386H
Serial Model:	MS-03-S**** (where*="0-9","A-Z""a-z", ".", blank space, no character difference between each model is only due to the different model naming methods for different sales regions, other circuit principles, safety structures and key components are all the same, and the difference not affect the safety and electromagnetic compatibility performance of the product.)
Power Ratings:	Input: 19V=12.63A
Adapter information:	Model: SOY-1901263-244-B Input: 100-240V~ 50/60Hz 3.0A Max. Output: 19.0V=12.63A 239.97W
Hardware Version:	N/A
Software Version:	N/A
Sample(s) Status:	AiTDG-260429021-1(Normal sample) AiTDG-260429021-2(Engineer sample)
2.4G WIFI:	
Supported type:	802.11b/g/n(HT20)/n(HR40)/ax(HE20)/ax(HE40)/be(EHT20)/be(EHT40)
Modulation:	802.11b: DSSS (CCK, DQPSK, DBPSK) 802.11g/n: OFDM (64QAM, 16QAM, QPSK, BPSK) 802.11ax: OFDMA (1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK) 802.11be: OFDMA (4096QAM,1024QAM, 256QAM, 64QAM, 16QAM, QPSK, BPSK)
Operation frequency:	802.11b/g/n(HT20)/ax(HE20)/be(EHT20): 2412MHz~2462MHz 802.11n(HT40)/ax(HE40)/be(EHT40):2422MHz~2452MHz
Channel number:	802.11b/g/n(HT20)/ax(HE20)/be(EHT20): 11 802.11n(HT40)/ax(HE40)/be(EHT40):7
Channel separation:	5MHz
Antenna type:	FPC Antenna
Antenna gain:	Antenna 1(A):2.41Bi, Antenna 2(B):2.29dBi
Remark:	
1. The device used tow antenna and all transmit signals are completely uncorrelated with each other, Directional gain = $10 \cdot \log[(10^{G1/10} + 10^{G2/10})/N_{ANT}] = 10 \cdot \log[(10^{2.41/10} + 10^{2.29/10})/2] = 2.35\text{dBi}$	
2. The above DUT's information was declared by manufacturer. For more detailed features description, please refer to the manufacturer's specifications or the User's Manual.	

2.3 Description of Test Modes and Test Frequency

There are 11 channels provided to the EUT for 20MHz protocol and 7 channels for 40 MHz protocol. Channel 01/07/11 were selected for 20MHz protocol mode test and channel 03/07/09 were selected for 40MHz protocol mode test.

Operation Frequency List:

Channel	Frequency(MHz)	Channel	Frequency(MHz)
1	2412	8	2447
2	2417	9	2452
3	2422	10	2457
4	2427	11	2462
5	2432		
6	2437		
7	2442		

Note: The line display in grey were the channel selected for testing

Power setting during the test:

During testing, Channel & Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

Power Parameters:

Test Software Version	DRTU		
Frequency	2412/2422MHz	2442MHz	2452/2462MHz
802.11b	Default	Default	Default
802.11g	Default	Default	Default
802.11n(HT20)	Default	Default	Default
802.11n(HT40)	Default	Default	Default
802.11ax(HE20)	Default	Default	Default
802.11ax(HE40)	Default	Default	Default
802.11be(EHT20)	Default	Default	Default
802.11be(EHT40)	Default	Default	Default

2.4 Special Accessories

Follow auxiliary equipment(s) test with EUT that provided by the manufacturer or laboratory is listed as follow:

Description	Manufacturer	Model	Serial No.	Provided by	Other
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/
/	/	/	/	/	/

2.5 Equipment List for the Test

Conducted Emission measurement						
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due
☒ 1	EMI Test Receiver	R&S	ESCI	100124	2025.09.25	2026.09.24
☒ 2	LISN	R&S	ESH3-Z5	892785/016	2025.09.26	2026.09.25
☒ 3	LISN	KYORITSU	KNW-242	8-837-4	2025.09.26	2026.09.25
☒ 4	Pulse Limiter	R&S	ESH3-Z2	03578810.54	2025.09.25	2026.09.24
☒ 5	CE Software	EZ	EZ-EMC_CE	Ver.AIT-03A	N/A	N/A

Radiation Emission measurement						
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due
☒ 1	Spectrum Analyzer	R&S	FSV40	101470	2025.09.26	2026.09.25
☒ 2	EMI Measuring Receiver	R&S	ESPI	100773	2025.09.25	2026.09.24
☒ 3	Low Noise Pre Amplifier	HP	HP8447E	1937A01855	2025.09.25	2026.09.24
☒ 4	Low Noise Pre Amplifier	Tsj	MLA-0120-A02-34	2648A04738	2025.09.25	2026.09.24
☒ 5	Passive Loop	ETS	6512	00165355	2024.09.04	2026.09.03
☒ 6	TRILOG Super Broadband test Antenna	SCHWARZBEC K	VULB-9160	9160-3206	2024.08.29	2026.08.28
☒ 7	Broadband Horn Antenna	SCHWARZBEC K	BBHA 9120D	452	2024.08.29	2026.08.28
☒ 8	SHF-EHF Horn Antenna 15-40GHz	SCHWARZBEC K	BBHA9170	BBHA9170367	2023.09.12	2026.09.11
☒ 9	6dB Attenuator	JFW	50FPE-006	4360846-949-1	2025.09.23	2026.09.22
☒ 10	Filter	COM-MW	ZBSF6-C2400-2483.5-1079	1079	2025.09.23	2026.09.22
☒ 11	Radiated Cable(9K-1G)	HUBER+SUHN ER	9K-1G	001	2025.09.25	2026.09.24
☒ 12	Radiated Cable(1G-18G)	HUBER+SUHN ER	1G-18G	002	2025.09.25	2026.09.24
☒ 13	Radiated Cable(18G-40G)	HUBER+SUHN ER	18G-40G	003	2025.09.25	2026.09.24
☒ 14	RE Software	EZ	EZ-EMC_RE	Ver.AIT-03A	N/A	N/A

RF Conducted measurement						
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal.Due
☐ 1	Spectrum Analyzer	Agilent	N9020A	MY53421570	2025.09.23	2026.09.22
☐ 2	Power Sensor	Agilent	U2021XA	MY54110007	2025.09.23	2026.09.22
☐ 3	Signal Generator	Agilent	N5182A	MY50143009	2025.09.26	2026.09.25
☐ 4	Analog signal generator	Agilent	E8257	MY51554256	2025.09.23	2026.09.22
☐ 5	Pro.Temp&Humi.chamber	MENTEK	MHP-150-1C	MAA08112501	2025.09.25	2026.09.24
☐ 6	Wideband Radio communication tester	R&S	CMW500	135866	2025.09.23	2026.09.22
☐ 7	DC power supply	ZHAOXIN	RXN-305D-2	28070002559	N/A	N/A
☐ 8	RF Test box	TST	TSTPASS	21033016	2025.09.23	2026.09.22
☐ 9	RF Software	TST	TSTPASS	Version 2.0	N/A	N/A

Note: ☐ is not applicable in this Test Report. ☒ is applicable in this Test Report.

3 TEST CONDITIONS AND RESULTS

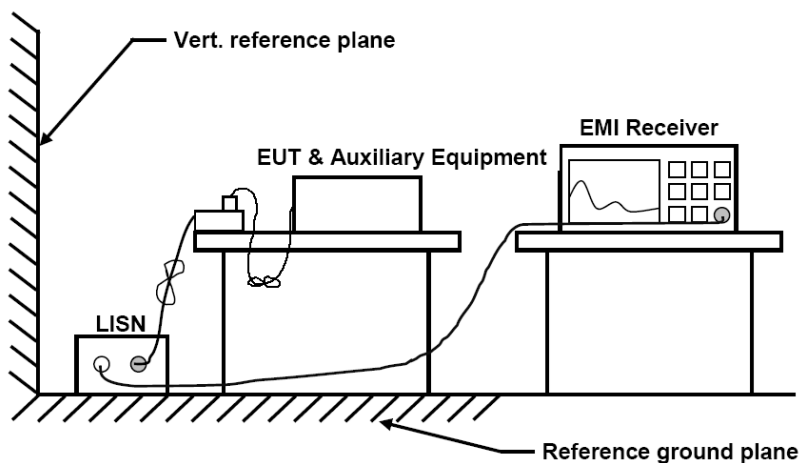
3.1 Conducted Emissions Test

LIMIT

Frequency range (MHz)	Limit (dBuV)	
	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.

TEST CONFIGURATION



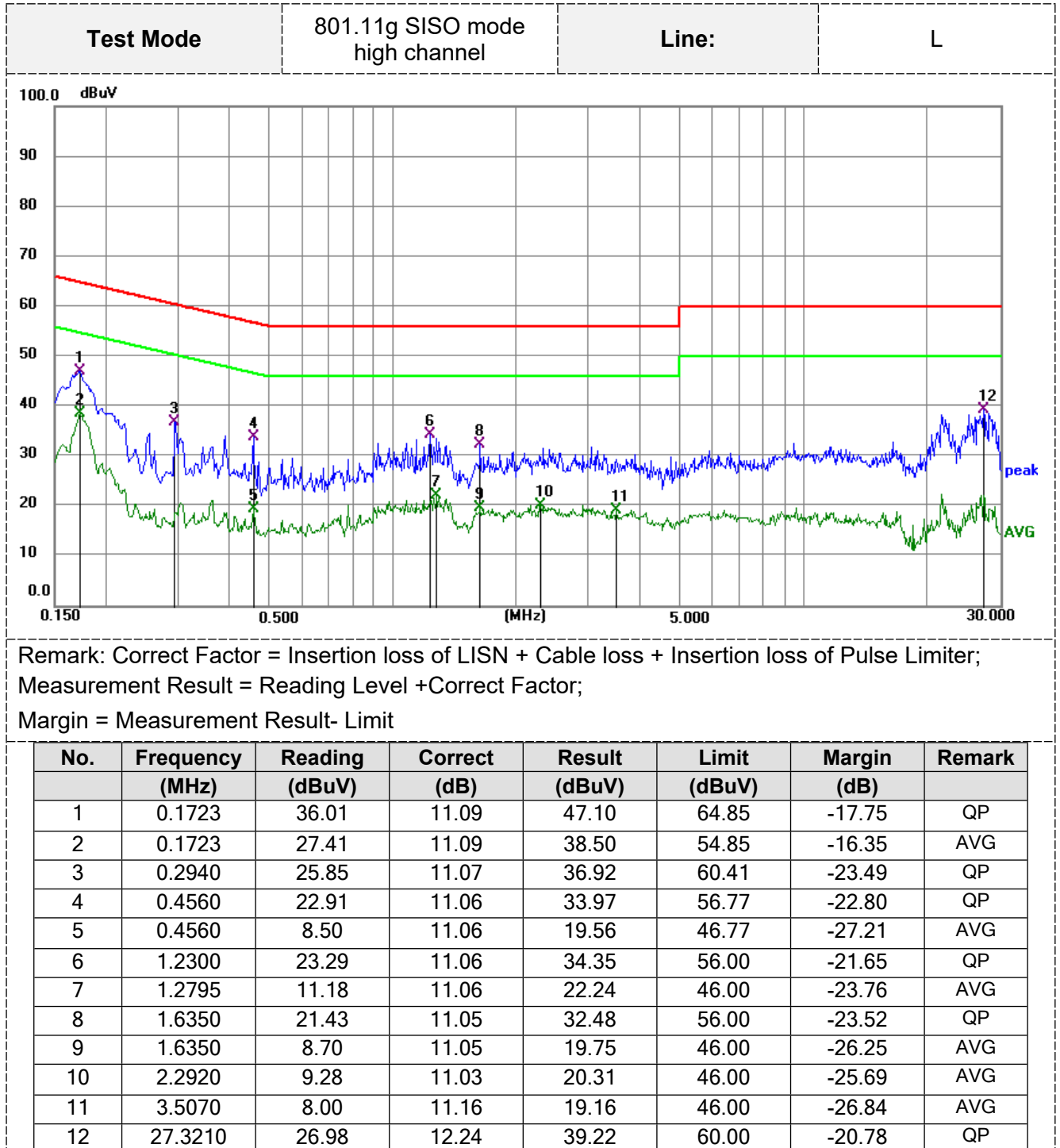
TEST PROCEDURE

1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system; a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10.
2. Support equipment, if needed, was placed as per ANSI C63.10.
3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
4. The adapter received AC120V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
5. All support equipments received AC power from a second LISN, if any.
6. The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
7. Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.
8. During the above scans, the emissions were maximized by cable manipulation.

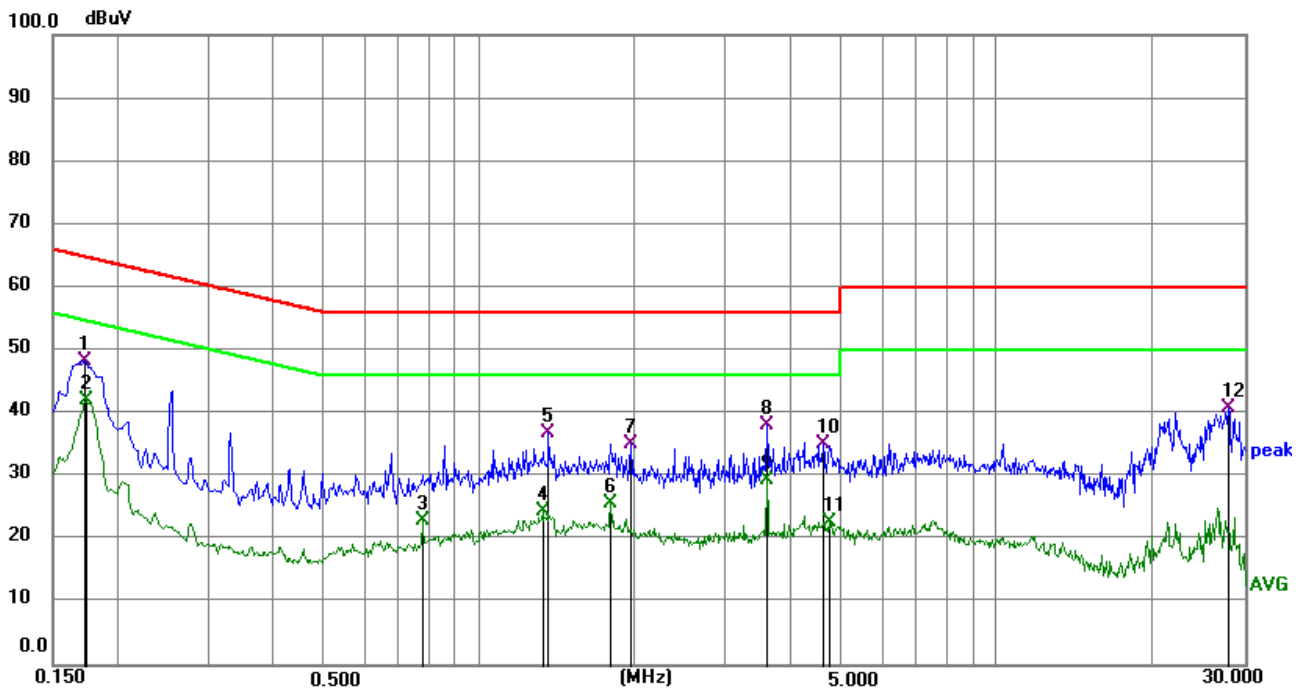
TEST RESULTS

Remark:

1. Pre-scan all WIFI operation modes at Low, Middle, and High channel; only the worst result of 801.11g SISO mode high channel at antenna 2 was reported as below:
2. Both 120 VAC, 50/60 Hz and 240 VAC, 50/60 Hz power supply have been tested, only the worst result of 120 VAC, 60 Hz was reported as below:



Test Mode	801.11g SISO mode high channel	Line:	N
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Remark: Correct Factor = Insertion loss of LISN + Cable loss + Insertion loss of Pulse Limiter;
Measurement Result = Reading Level + Correct Factor;

Margin = Measurement Result - Limit

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1723	37.26	10.99	48.25	64.85	-16.60	QP
2	0.1740	30.96	10.99	41.95	54.77	-12.82	AVG
3	0.7753	11.87	10.99	22.86	46.00	-23.14	AVG
4	1.3290	13.53	10.99	24.52	46.00	-21.48	AVG
5	1.3650	25.82	10.99	36.81	56.00	-19.19	QP
6	1.7970	14.80	10.99	25.79	46.00	-20.21	AVG
7	1.9680	24.24	10.98	35.22	56.00	-20.78	QP
8	3.5924	27.01	11.09	38.10	56.00	-17.90	QP
9	3.5924	18.31	11.09	29.40	46.00	-16.60	AVG
10	4.6093	24.11	11.07	35.18	56.00	-20.82	QP
11	4.7220	11.70	11.07	22.77	46.00	-23.23	AVG
12	27.8610	28.71	11.99	40.70	60.00	-19.30	QP

3.2 Radiated Emissions and Band Edge

Limit

For intentional device, according to § 15.209(a), the general requirement of field strength of radiated emission out of authorized band shall not exceed the following table at a 3 meters measurement distance.

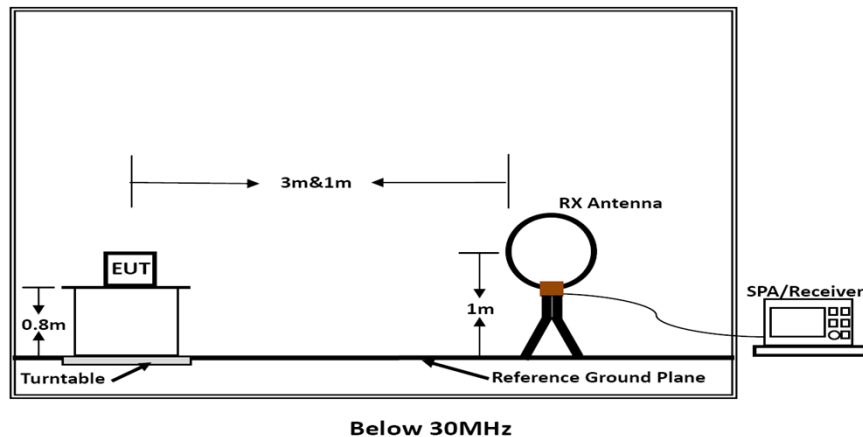
In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a)

Radiated emission limits

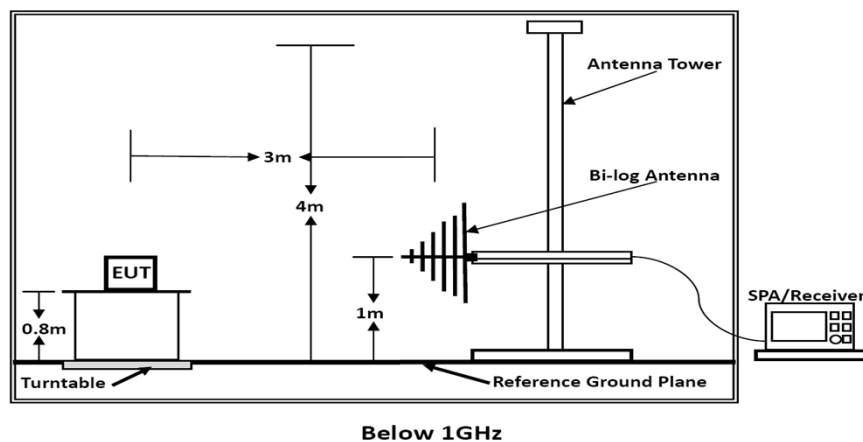
Frequency (MHz)	Distance (Meters)	Radiated (dBμV/m)	Radiated (μV/m)
0.009-0.49	3	$20\log(2400/F(\text{KHz}))+40\log(300/3)$	$2400/F(\text{KHz})$
0.49-1.705	3	$20\log(24000/F(\text{KHz}))+40\log(30/3)$	$24000/F(\text{KHz})$
1.705-30	3	$20\log(30)+40\log(30/3)$	30
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200
Above 960	3	54.0	500

TEST CONFIGURATION

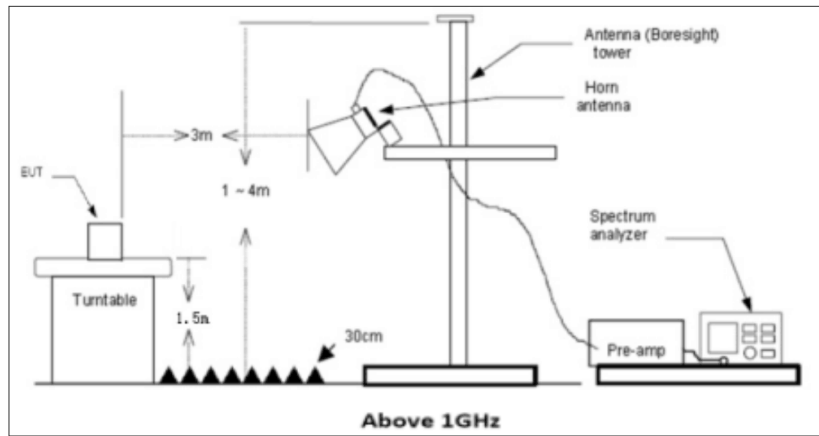
(A) Radiated Emission Test Set-Up, Frequency Below 30MHz



(B) Radiated Emission Test Set-Up, Frequency below 1000MHz



(C) Radiated Emission Test Set-Up, Frequency above 1000MHz



Test Procedure

- Below 1GHz measurement the EUT is placed on a turntable which is 0.8m above ground plane, and above 1GHz measurement EUT was placed on a low permittivity and low loss tangent turn table which is 1.5m above ground plane.
- Maximum procedure was performed by raising the receiving antenna from 1m to 4m and rotating the turn table from 0°C to 360°C to acquire the highest emissions from EUT
- And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- Repeat above procedures until all frequency measurements have been completed.
- Radiated emission test frequency band from 9KHz to 26.5GHz.
- The distance between test antenna and EUT as following table states:

Test Frequency range	Test Antenna Type	Test Distance
9KHz-30MHz	Active Loop Antenna	3
30MHz-1GHz	Bilog Antenna	3
1GHz-18GHz	Horn Antenna	3
18GHz-26.5GHz	Horn Antenna	1

- Setting test receiver/spectrum as following table states:

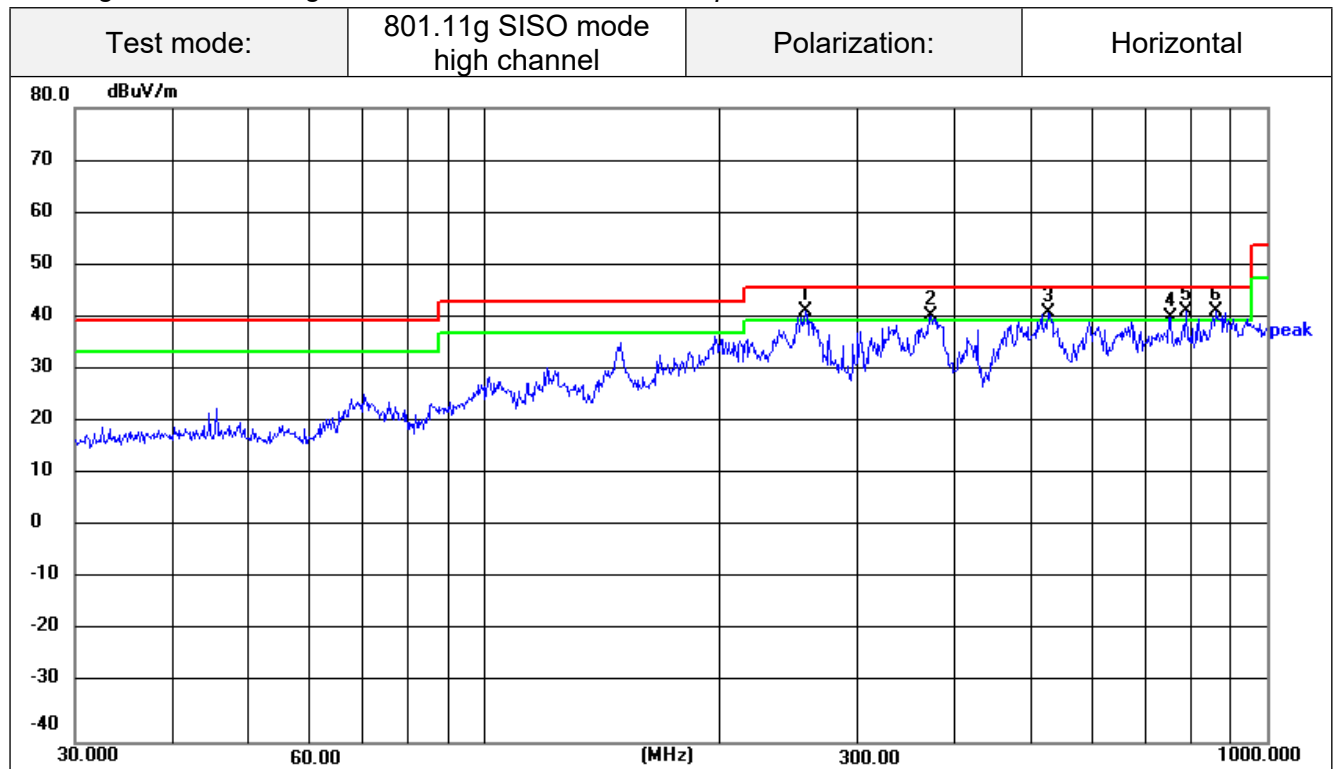
Test Frequency range	Test Receiver/Spectrum Setting	Detector
9KHz-150KHz	RBW=200Hz/VBW=3KHz, Sweep time=Auto	QP
150KHz-30MHz	RBW=9KHz/VBW=100KHz, Sweep time=Auto	QP
30MHz-1GHz	RBW=120KHz/VBW=1000KHz, Sweep time=Auto	QP
1GHz-26.5GHz	Peak Value: RBW=1MHz/VBW=3MHz, Sweep time=Auto Average Value: RBW=1MHz/VBW=10Hz, Sweep time=Auto	Peak

TEST RESULTS

Remark: Radiated emission test from 9 KHz to 26.5GHz, and The emission levels from 9kHz to 30MHz are attenuated 20dB below the limit and not recorded in report.

For 30MHz-1GHz

Remark: Pre-scan all WIFI operation modes at Low, Middle, and High channel; only the worst result of 801.11g SISO mode high channel at antenna 2 was reported for 30MHz-1GHz test as below:



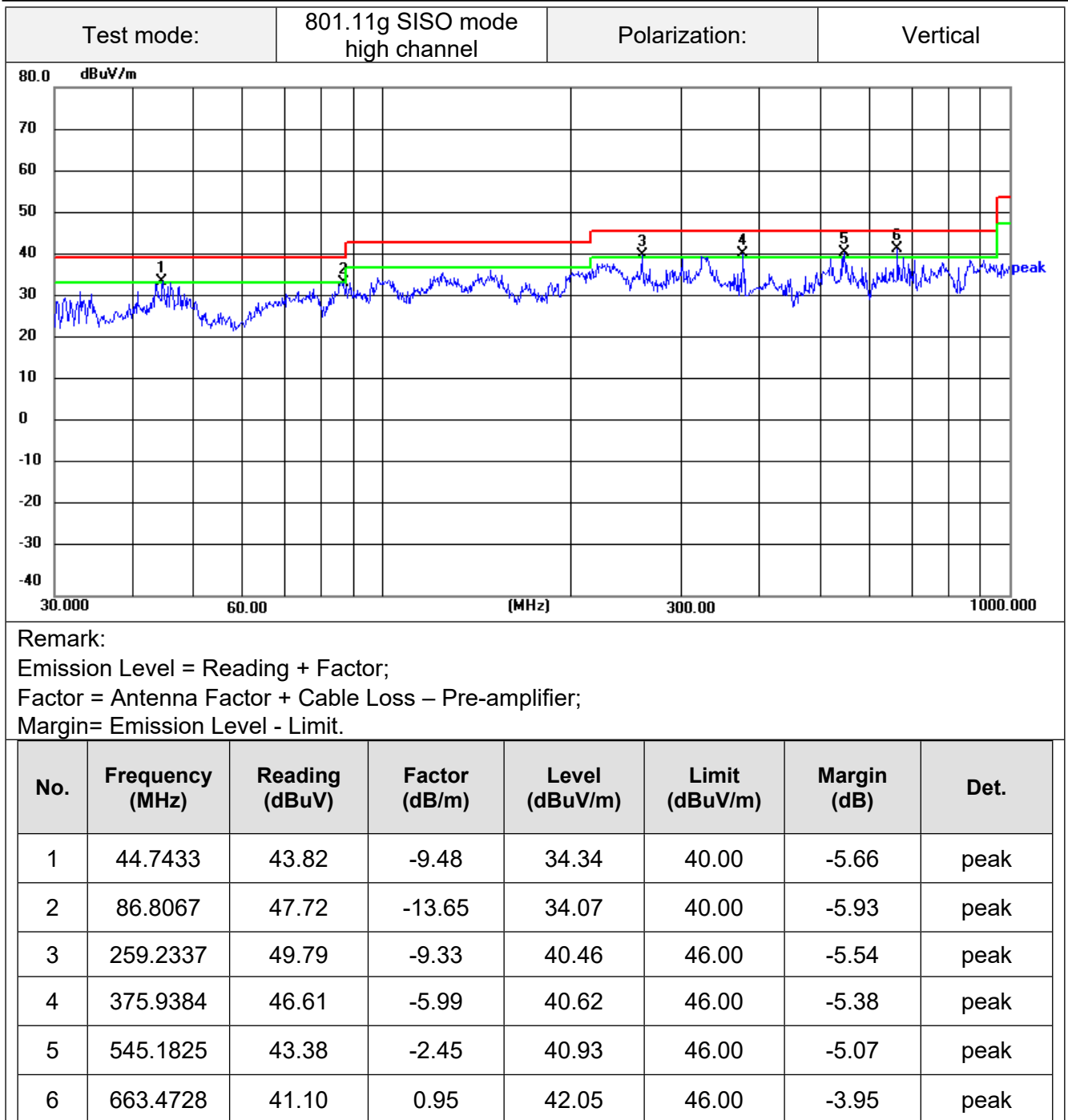
Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

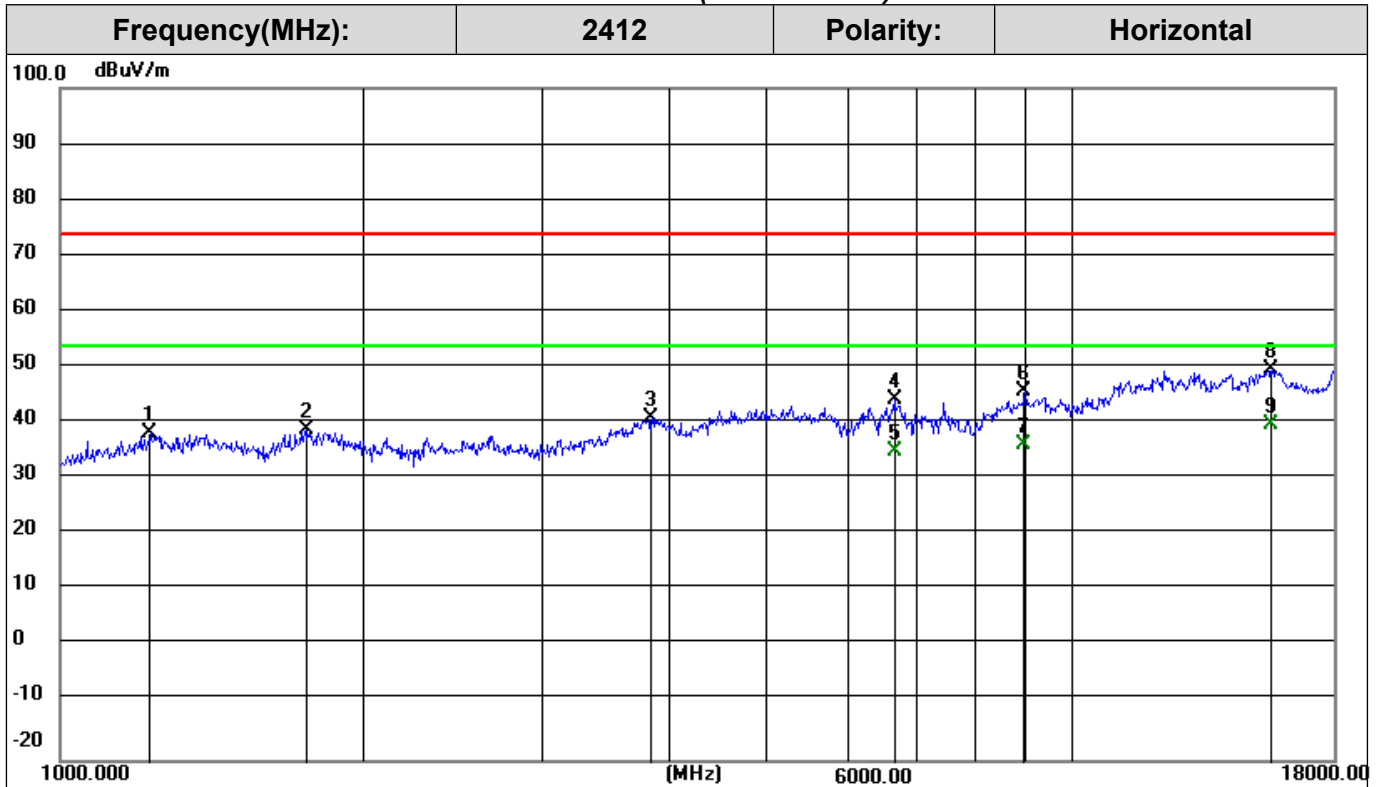
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	257.4221	50.83	-9.31	41.52	46.00	-4.48	peak
2	372.0045	46.73	-6.04	40.69	46.00	-5.31	peak
3	526.3967	43.18	-1.88	41.30	46.00	-4.70	peak
4	752.7431	37.86	2.62	40.48	46.00	-5.52	peak
5	787.8512	38.09	3.49	41.58	46.00	-4.42	peak
6	860.0351	36.29	5.24	41.53	46.00	-4.47	peak



For 1GHz to 18GHz

Note: Pre-scan all WIFI operation mode, only worse case 802.11ax MIMO mode is reported as bellow:

802.11ax MIMO (1GHz-18GHz)



Remark:

Filter is used

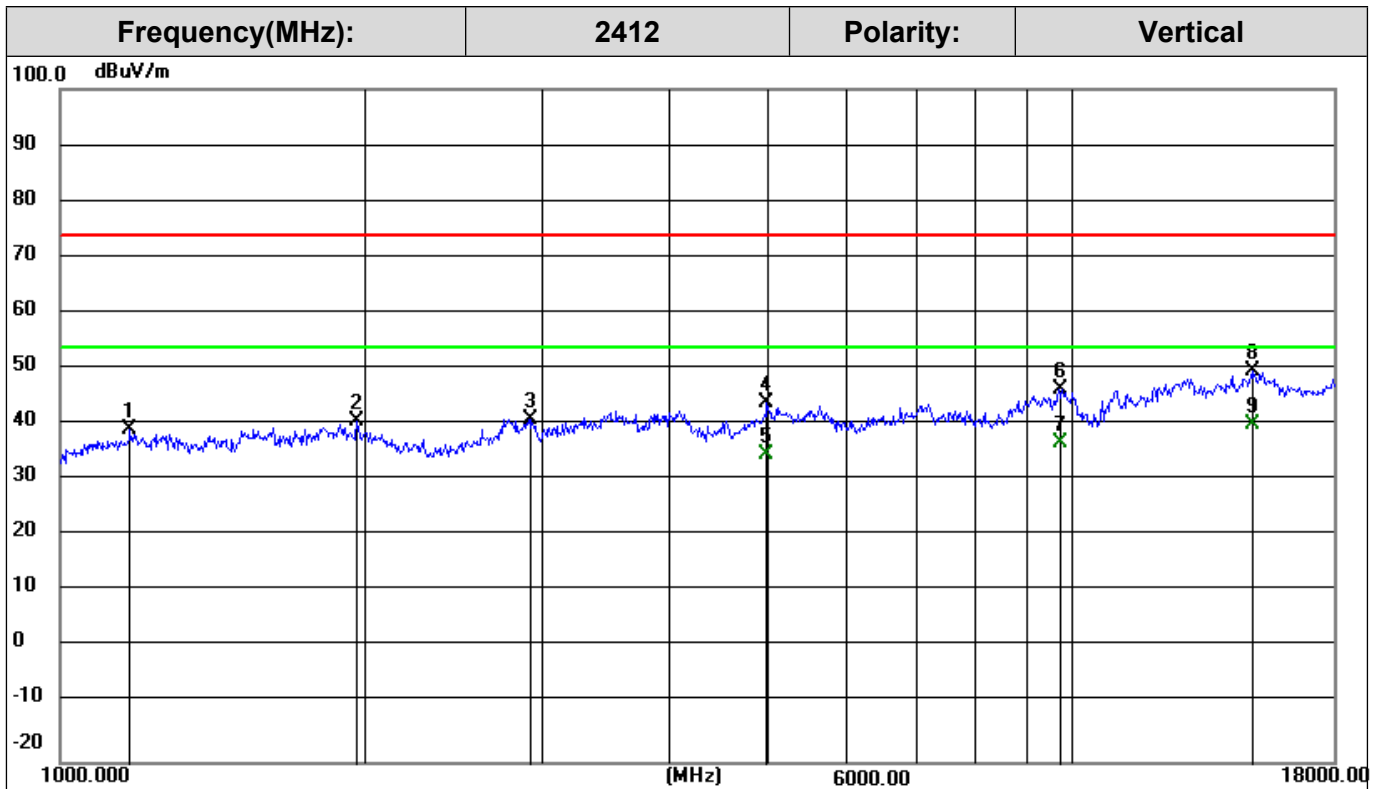
Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1229.566	64.16	-25.73	38.43	74.00	-35.57	peak
2	1759.567	63.43	-24.20	39.23	74.00	-34.77	peak
3	3847.760	58.80	-17.60	41.20	74.00	-32.80	peak
4	6655.914	53.46	-8.87	44.59	74.00	-29.41	peak
5	6655.914	44.03	-8.87	35.16	54.00	-18.84	AVG
6	8956.208	50.11	-4.24	45.87	74.00	-28.13	peak
7	8956.208	40.70	-4.24	36.46	54.00	-17.54	AVG
8	15681.803	50.29	-0.57	49.72	74.00	-24.28	peak
9	15681.803	40.62	-0.57	40.05	54.00	-13.95	AVG

Note:A filter was used to exclude fundamental during the test to prevent overloading the testing equipment.



Remark:

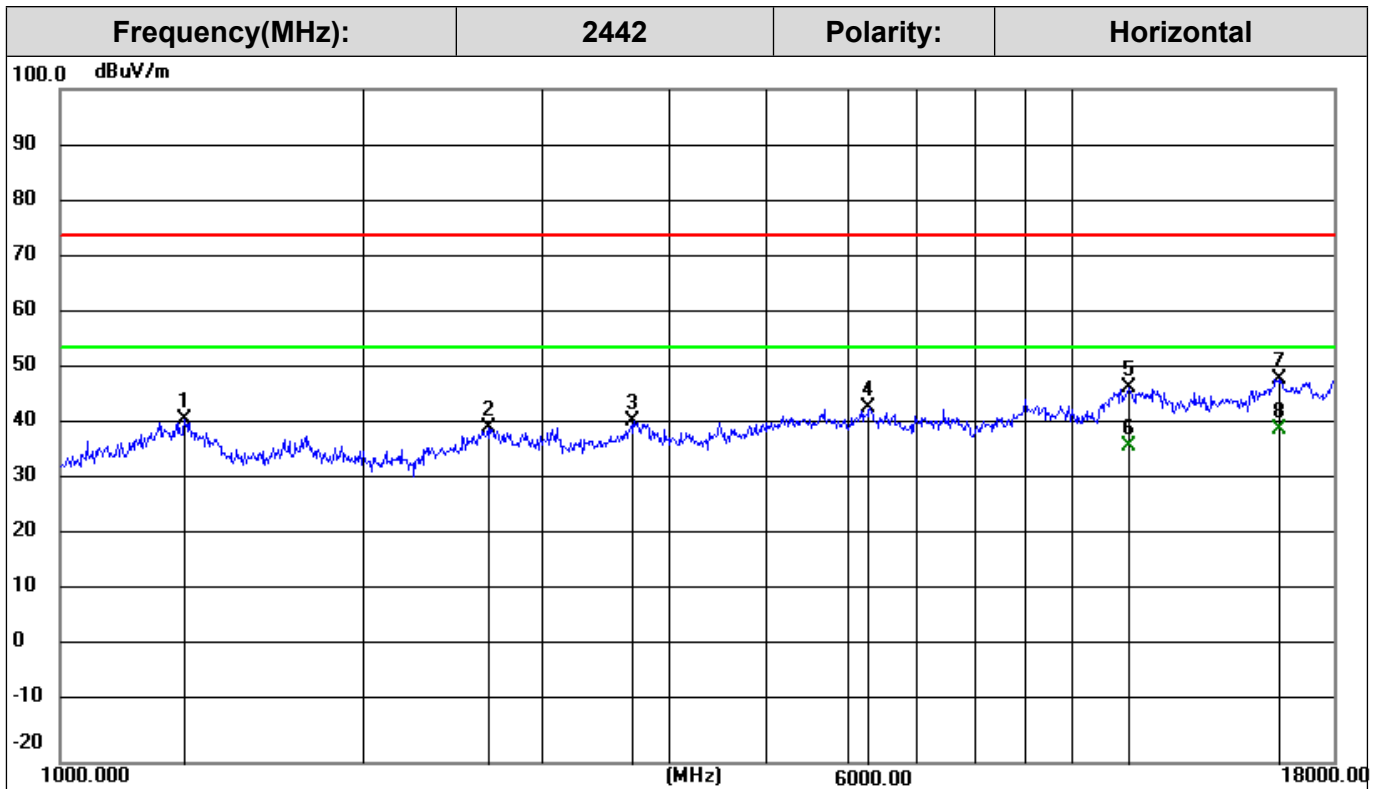
Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1173.999	65.11	-25.69	39.42	74.00	-34.58	peak
2	1971.233	63.96	-23.15	40.81	74.00	-33.19	peak
3	2921.330	60.90	-19.73	41.17	74.00	-32.83	peak
4	4990.943	57.67	-13.43	44.24	74.00	-29.76	peak
5	4990.943	48.29	-13.43	34.86	54.00	-19.14	AVG
6	9733.657	49.77	-3.32	46.45	74.00	-27.55	peak
7	9733.657	40.24	-3.32	36.92	54.00	-17.08	AVG
8	14968.770	50.28	-0.60	49.68	74.00	-24.32	peak
9	14968.770	40.79	-0.60	40.19	54.00	-13.81	AVG

Note: A filter was used to exclude fundamental during the test to prevent overloading the testing equipment.



Remark:

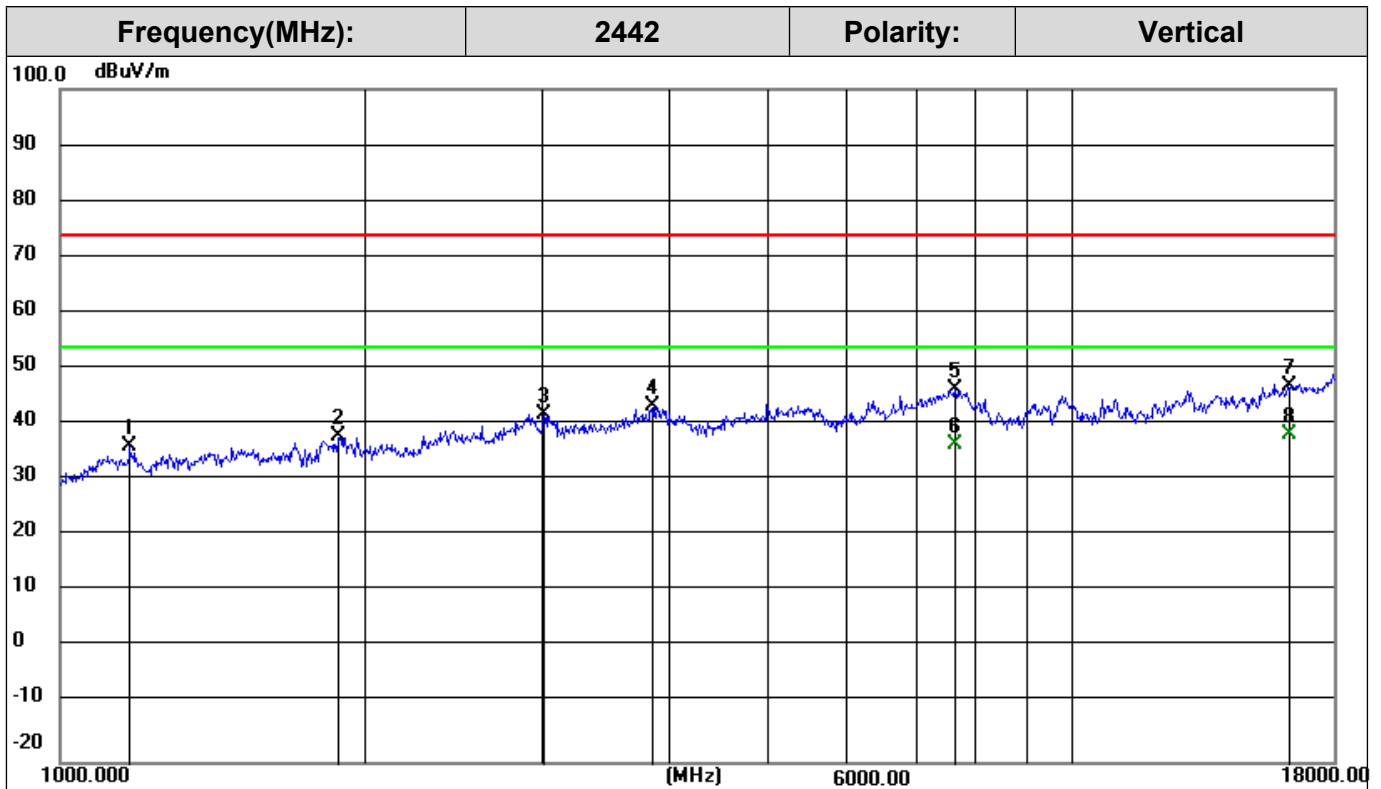
Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1329.365	67.09	-25.86	41.23	74.00	-32.77	peak
2	2648.664	60.55	-20.91	39.64	74.00	-34.36	peak
3	3694.100	58.88	-18.11	40.77	74.00	-33.23	peak
4	6307.534	53.66	-10.24	43.42	74.00	-30.58	peak
5	11302.477	48.08	-1.19	46.89	74.00	-27.11	peak
6	11302.477	37.68	-1.19	36.49	54.00	-17.51	AVG
7	15923.882	48.88	-0.55	48.33	74.00	-25.67	peak
8	15923.882	39.96	-0.55	39.41	54.00	-14.59	AVG

Note: A filter was used to exclude fundamental during the test to prevent overloading the testing equipment.



Remark:

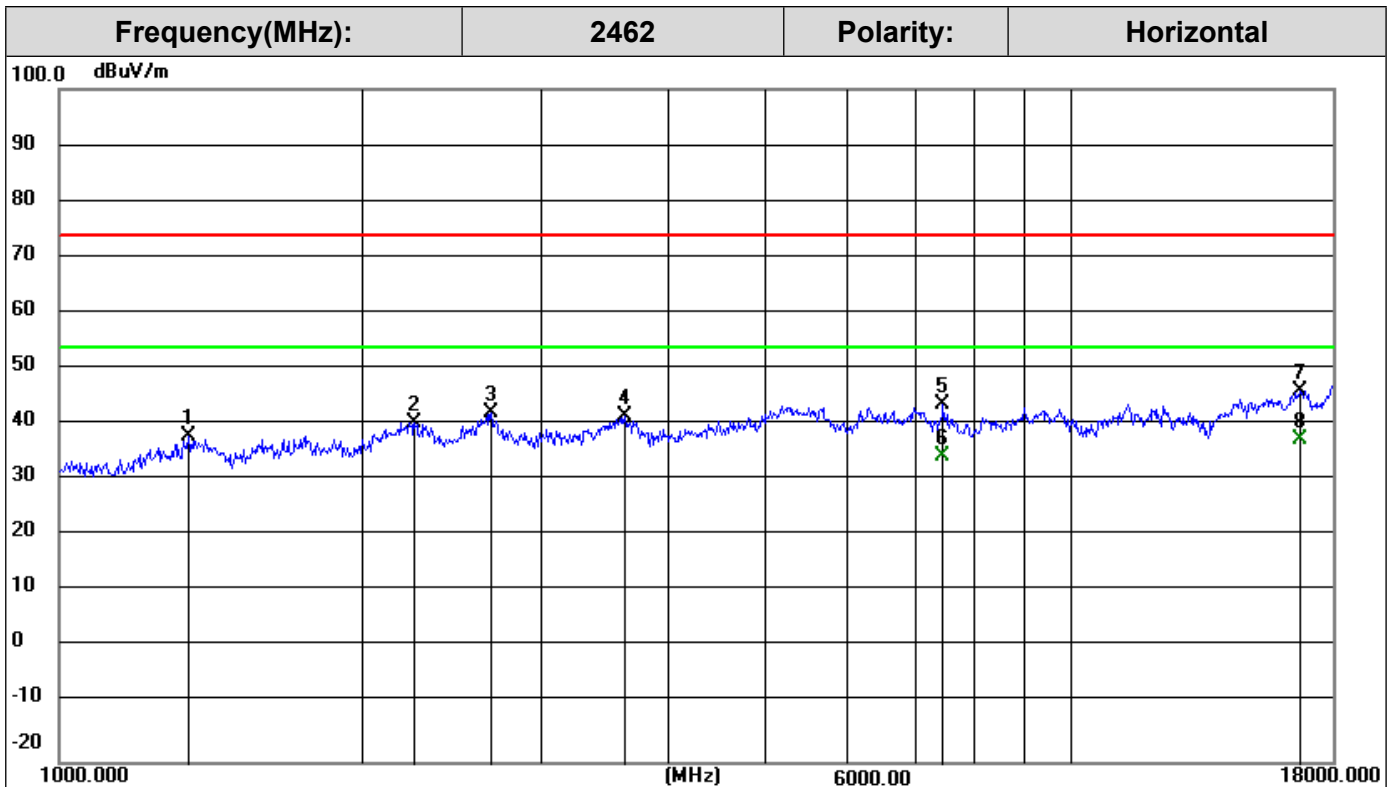
Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1173.999	62.11	-25.69	36.42	74.00	-37.58	peak
2	1890.871	61.81	-23.56	38.25	74.00	-35.75	peak
3	3000.054	61.42	-19.40	42.02	74.00	-31.98	peak
4	3853.325	61.12	-17.59	43.53	74.00	-30.47	peak
5	7644.257	54.03	-7.41	46.62	74.00	-27.38	peak
6	7644.257	44.25	-7.41	36.84	54.00	-17.16	AVG
7	16357.728	47.84	-0.59	47.25	74.00	-26.75	peak
8	16357.728	39.10	-0.59	38.51	54.00	-15.49	AVG

Note: A filter was used to exclude fundamental during the test to prevent overloading the testing equipment.



Remark:

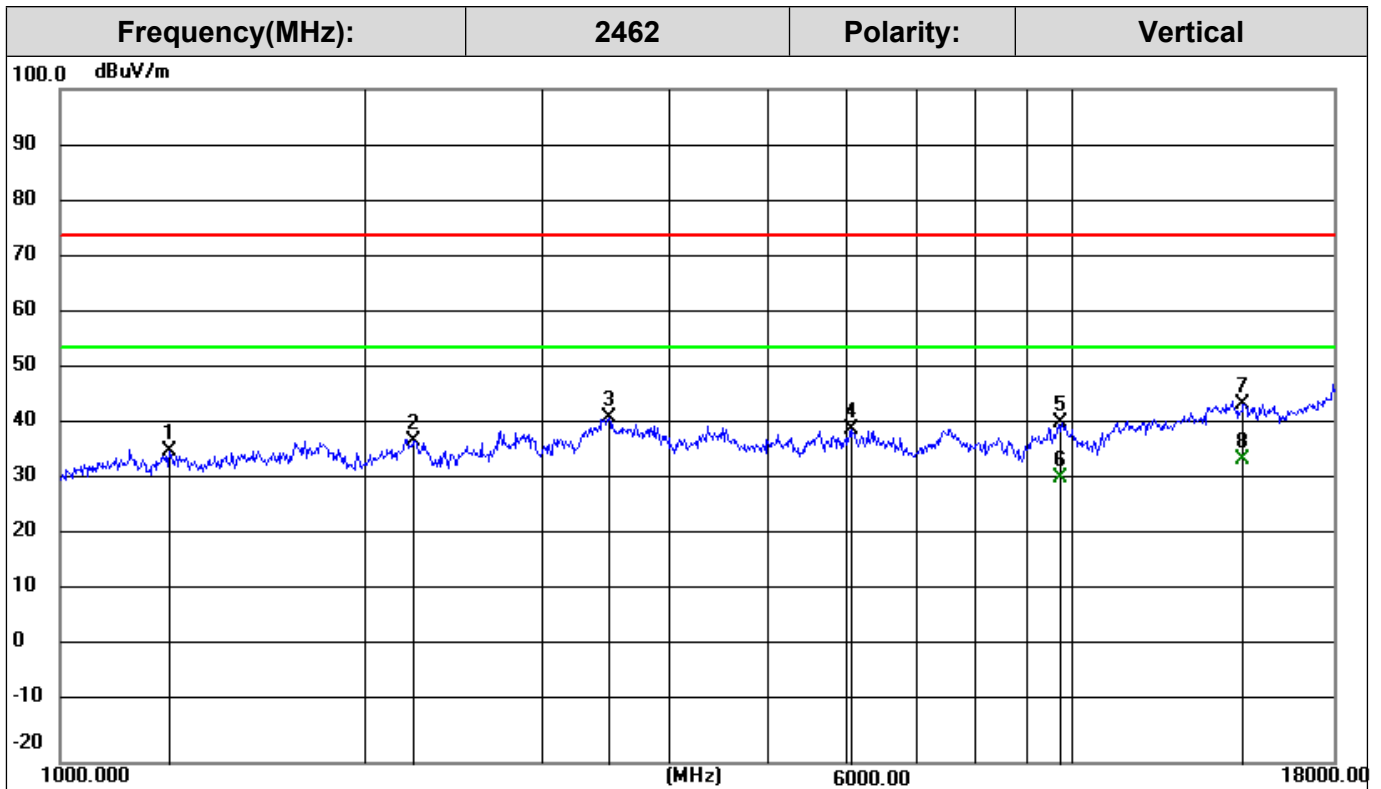
Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1346.380	64.01	-25.90	38.11	74.00	-35.89	peak
2	2245.046	62.85	-22.29	40.56	74.00	-33.44	peak
3	2671.731	63.16	-20.80	42.36	74.00	-31.64	peak
4	3618.018	60.08	-18.36	41.72	74.00	-32.28	peak
5	7465.210	51.17	-7.20	43.97	74.00	-30.03	peak
6	7465.210	41.88	-7.20	34.68	54.00	-19.32	AVG
7	16750.054	46.80	-0.67	46.13	74.00	-27.87	peak
8	16750.054	38.31	-0.67	37.64	54.00	-16.36	AVG

Note: A filter was used to exclude fundamental during the test to prevent overloading the testing equipment.



Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

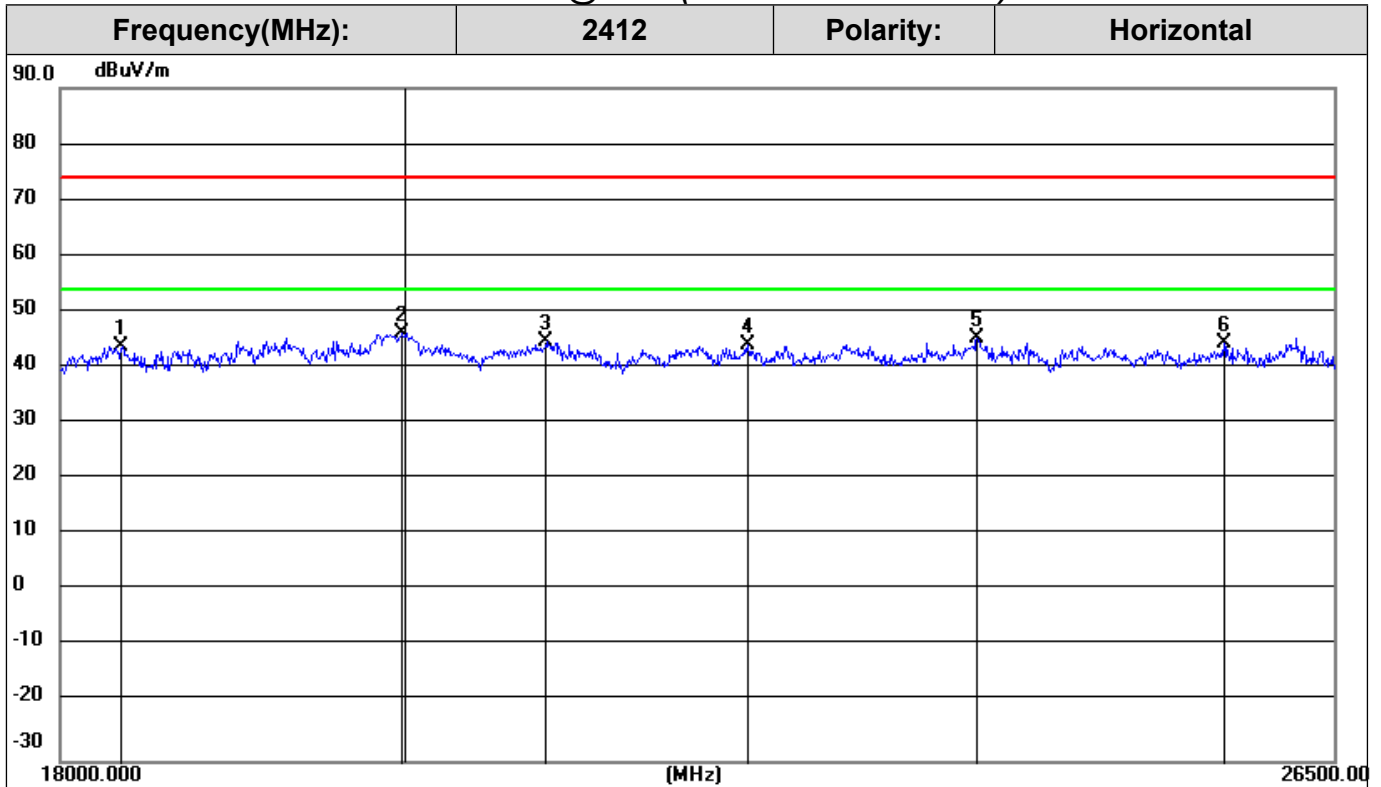
No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1285.533	61.24	-25.81	35.43	74.00	-38.57	peak
2	2244.397	59.55	-22.29	37.26	74.00	-36.74	peak
3	3481.574	60.30	-18.78	41.52	74.00	-32.48	peak
4	6031.189	50.85	-11.51	39.34	74.00	-34.66	peak
5	9733.657	43.77	-3.32	40.45	74.00	-33.55	peak
6	9733.657	34.14	-3.32	30.82	54.00	-23.18	AVG
7	14690.171	44.36	-0.38	43.98	74.00	-30.02	peak
8	14690.171	34.54	-0.38	34.16	54.00	-19.84	AVG

Note: A filter was used to exclude fundamental during the test to prevent overloading the testing equipment.

For above 18GHz

Remark: Pre-scan all WIFI operation modes, and no spurious found, only one channel plots recorded below represent the worst scenario.

802.11b mode @ ANT1(above 18GHz-26.5GHz)



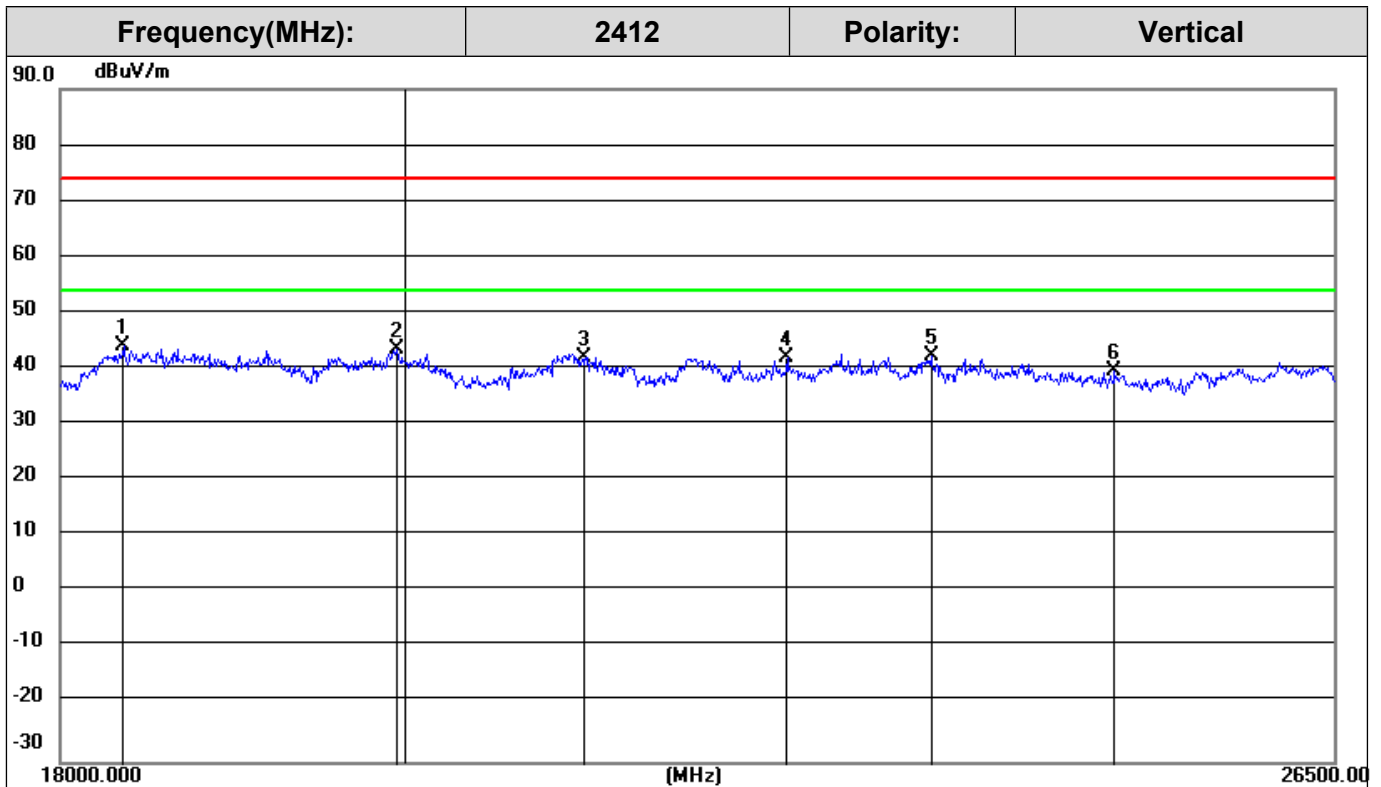
Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18350.773	62.41	-18.31	44.10	74.00	-29.90	peak
2	19977.509	63.01	-16.78	46.23	74.00	-27.77	peak
3	20869.186	61.20	-16.40	44.80	74.00	-29.20	peak
4	22185.137	61.22	-17.06	44.16	74.00	-29.84	peak
5	23785.600	61.31	-15.79	45.52	74.00	-28.48	peak
6	25638.992	60.70	-16.13	44.57	74.00	-29.43	peak



Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

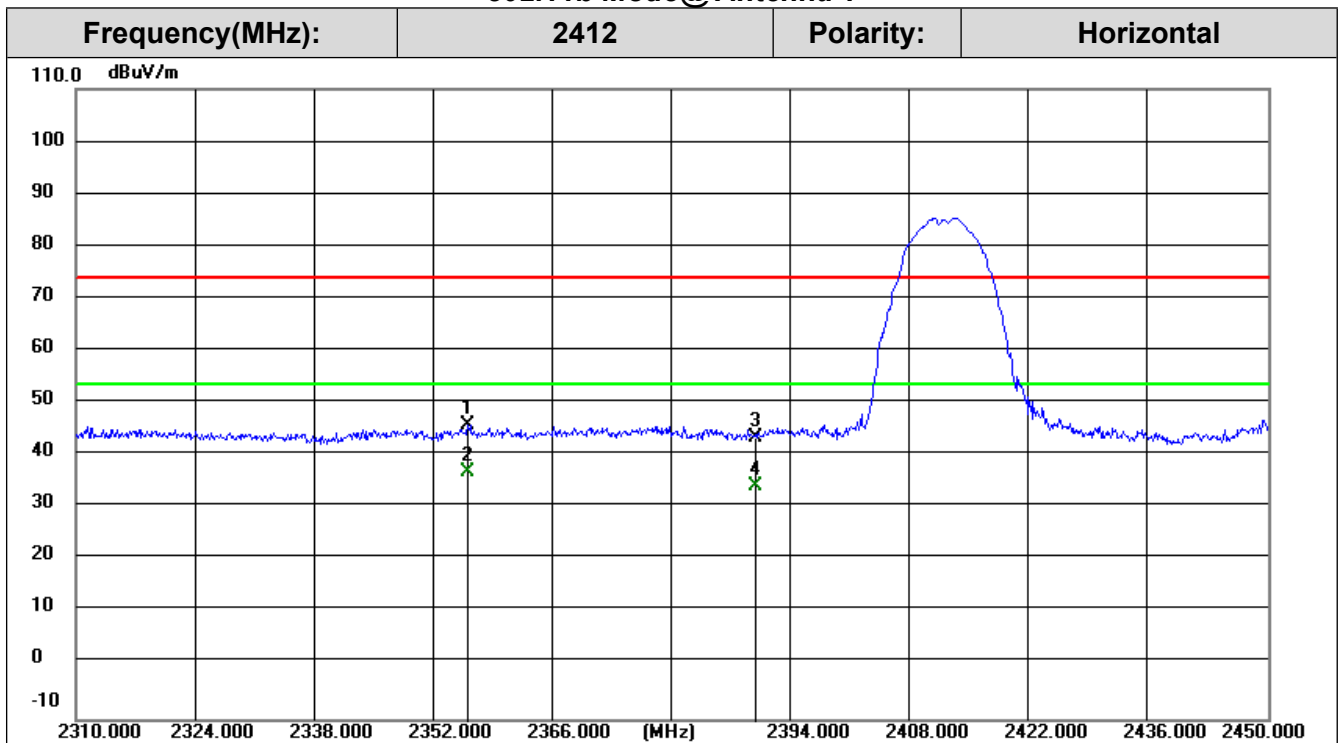
Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	18351.483	62.51	-18.31	44.20	74.00	-29.80	peak
2	19943.540	60.60	-16.82	43.78	74.00	-30.22	peak
3	21120.096	58.81	-16.56	42.25	74.00	-31.75	peak
4	22449.263	59.52	-17.24	42.28	74.00	-31.72	peak
5	23460.338	58.67	-16.28	42.39	74.00	-31.61	peak
6	24799.244	56.18	-16.41	39.77	74.00	-34.23	peak

Radiation Restricted band

Note: Pre-scan all WIFI operation mode, only worse case reported as bellow:

802.11b Mode@ Antenna 1



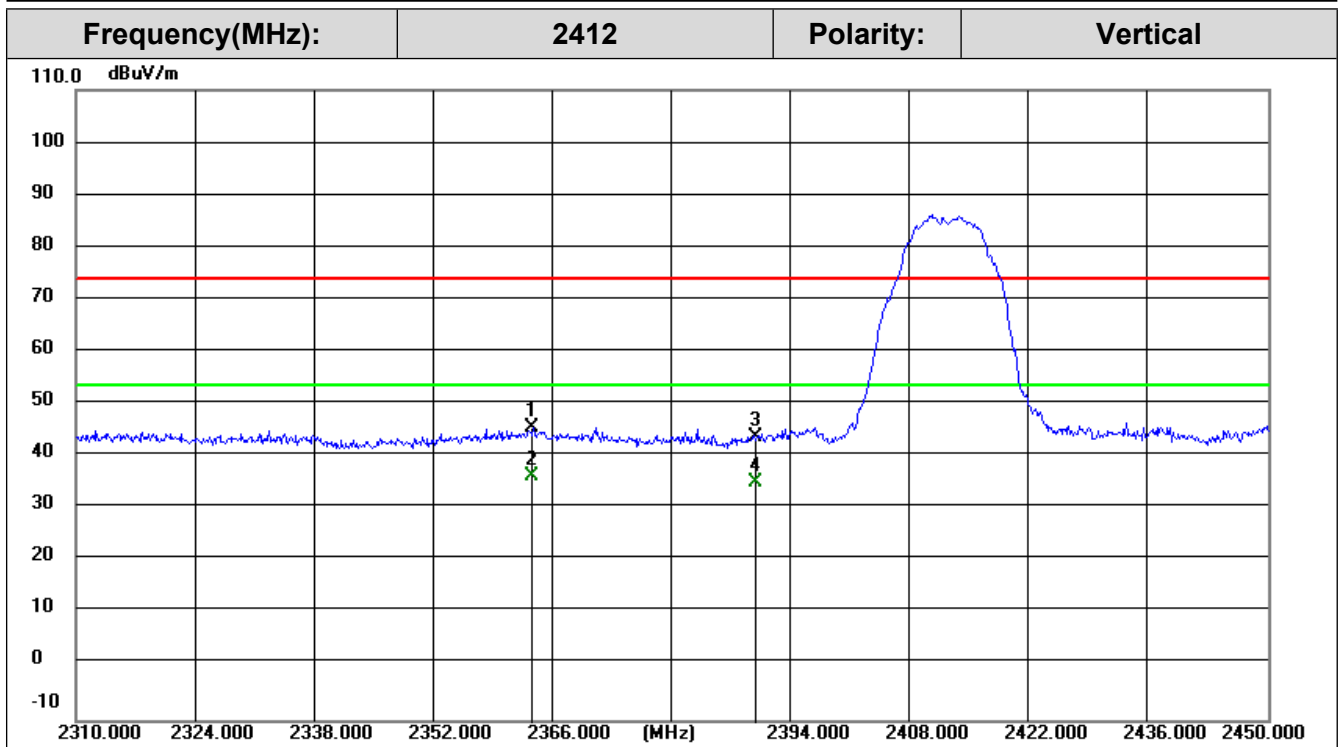
Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2356.088	58.14	-11.96	46.18	74.00	-27.82	peak
2	2356.088	49.10	-11.96	37.14	54.00	-16.86	AVG
3	2390.000	55.71	-11.87	43.84	74.00	-30.16	peak
4	2390.000	46.33	-11.87	34.46	54.00	-19.54	AVG



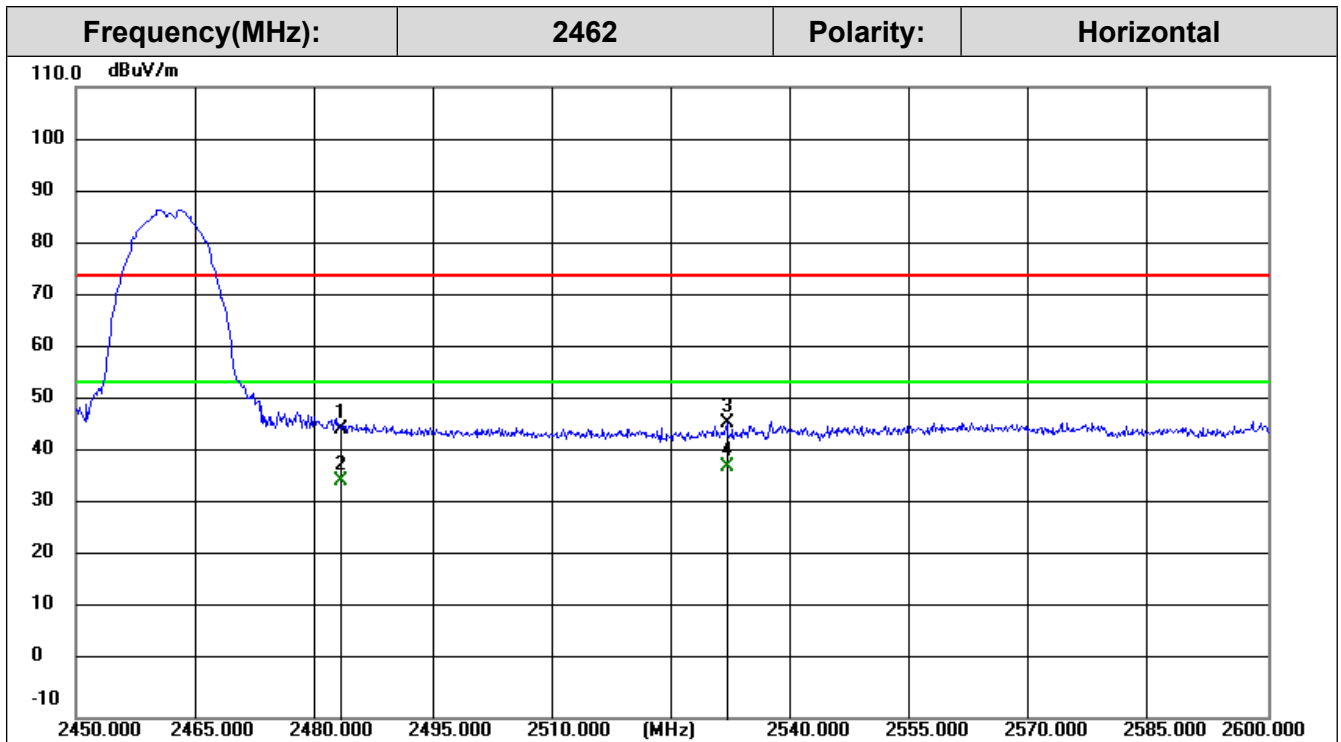
Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2363.881	57.85	-11.94	45.91	74.00	-28.09	peak
2	2363.881	48.66	-11.94	36.72	54.00	-17.28	AVG
3	2390.000	56.00	-11.87	44.13	74.00	-29.87	peak
4	2390.000	47.29	-11.87	35.42	54.00	-18.58	AVG



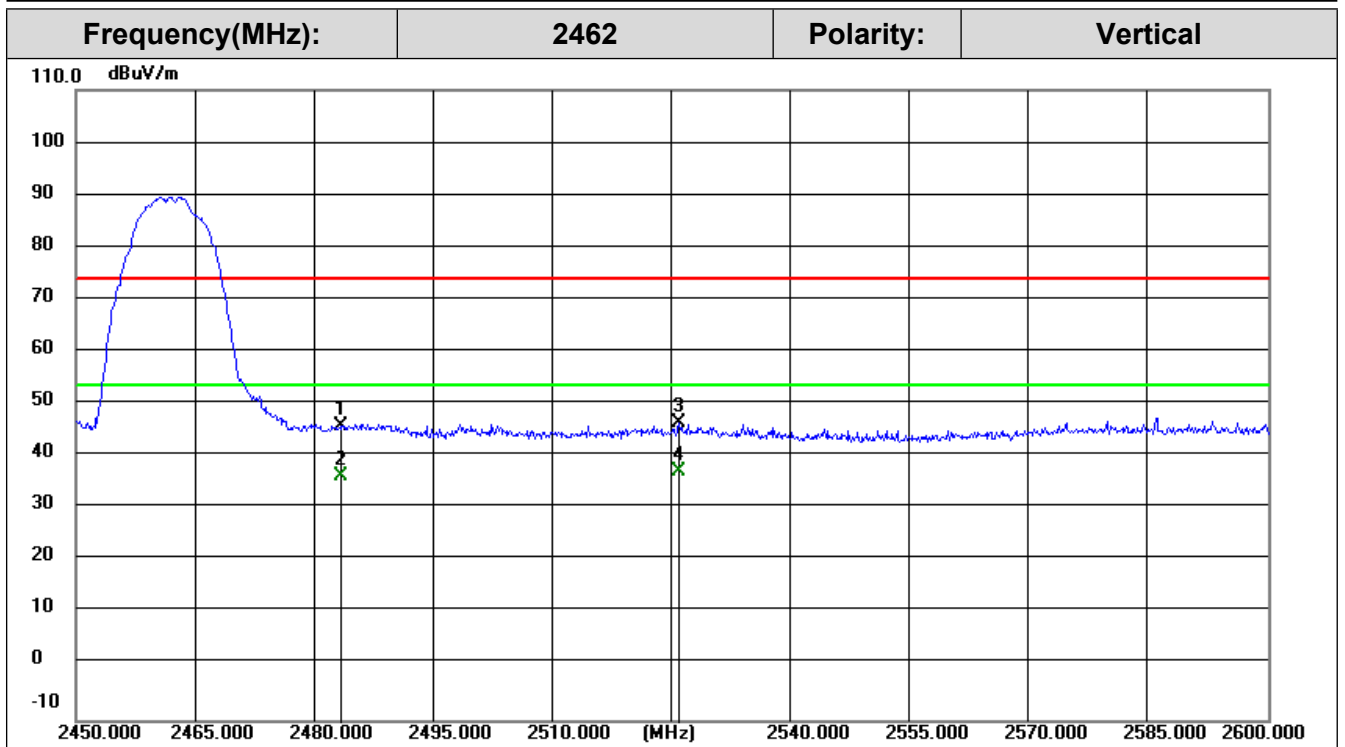
Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	56.45	-11.60	44.85	74.00	-29.15	peak
2	2483.500	46.76	-11.60	35.16	54.00	-18.84	AVG
3	2531.935	57.61	-11.41	46.20	74.00	-27.80	peak
4	2531.935	49.26	-11.41	37.85	54.00	-16.15	AVG



Remark:

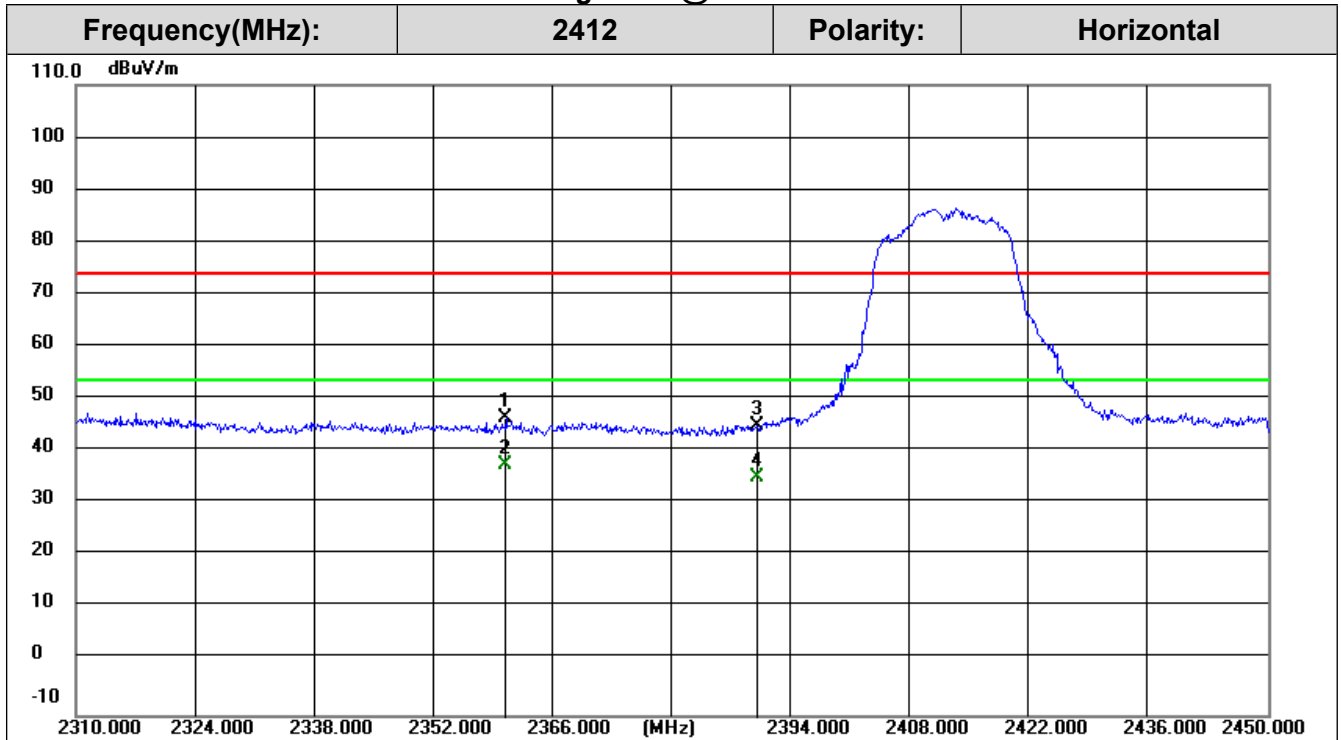
Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	57.72	-11.60	46.12	74.00	-27.88	peak
2	2483.500	48.32	-11.60	36.72	54.00	-17.28	AVG
3	2525.960	58.13	-11.44	46.69	74.00	-27.31	peak
4	2525.960	48.93	-11.44	37.49	54.00	-16.51	AVG

802.11g Mode@ Antenna 1



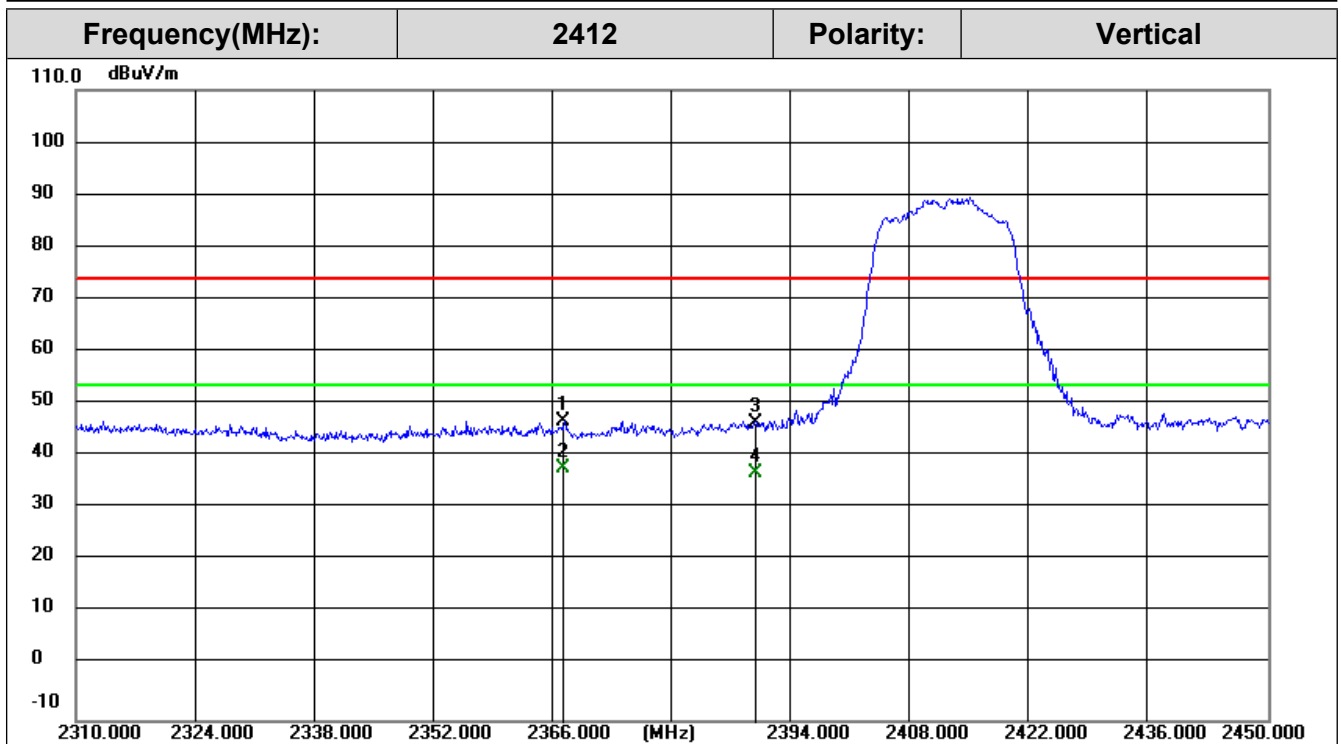
Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2360.605	58.77	-11.95	46.82	74.00	-27.18	peak
2	2360.605	49.87	-11.95	37.92	54.00	-16.08	AVG
3	2390.000	57.03	-11.87	45.16	74.00	-28.84	peak
4	2390.000	47.36	-11.87	35.49	54.00	-18.51	AVG



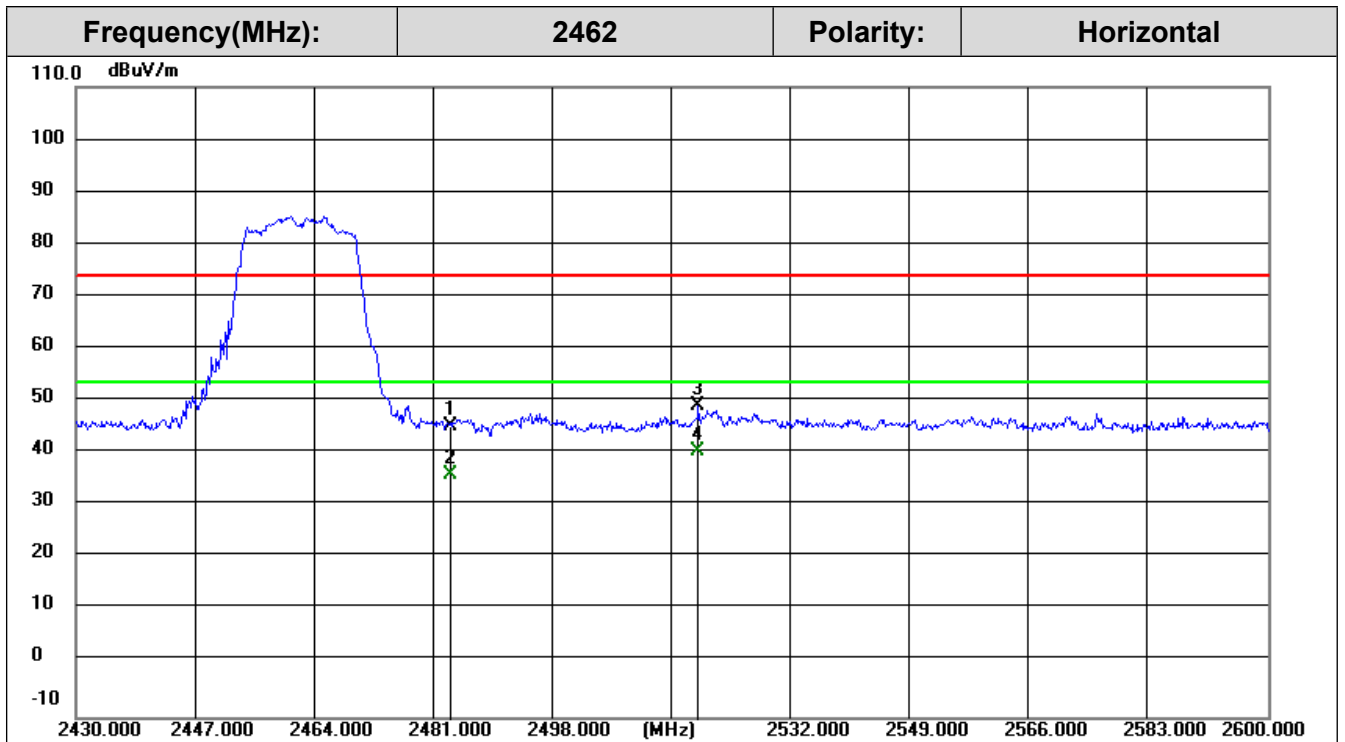
Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2367.465	59.06	-11.94	47.12	74.00	-26.88	peak
2	2367.465	50.09	-11.94	38.15	54.00	-15.85	AVG
3	2390.000	58.68	-11.87	46.81	74.00	-27.19	peak
4	2390.000	49.03	-11.87	37.16	54.00	-16.84	AVG



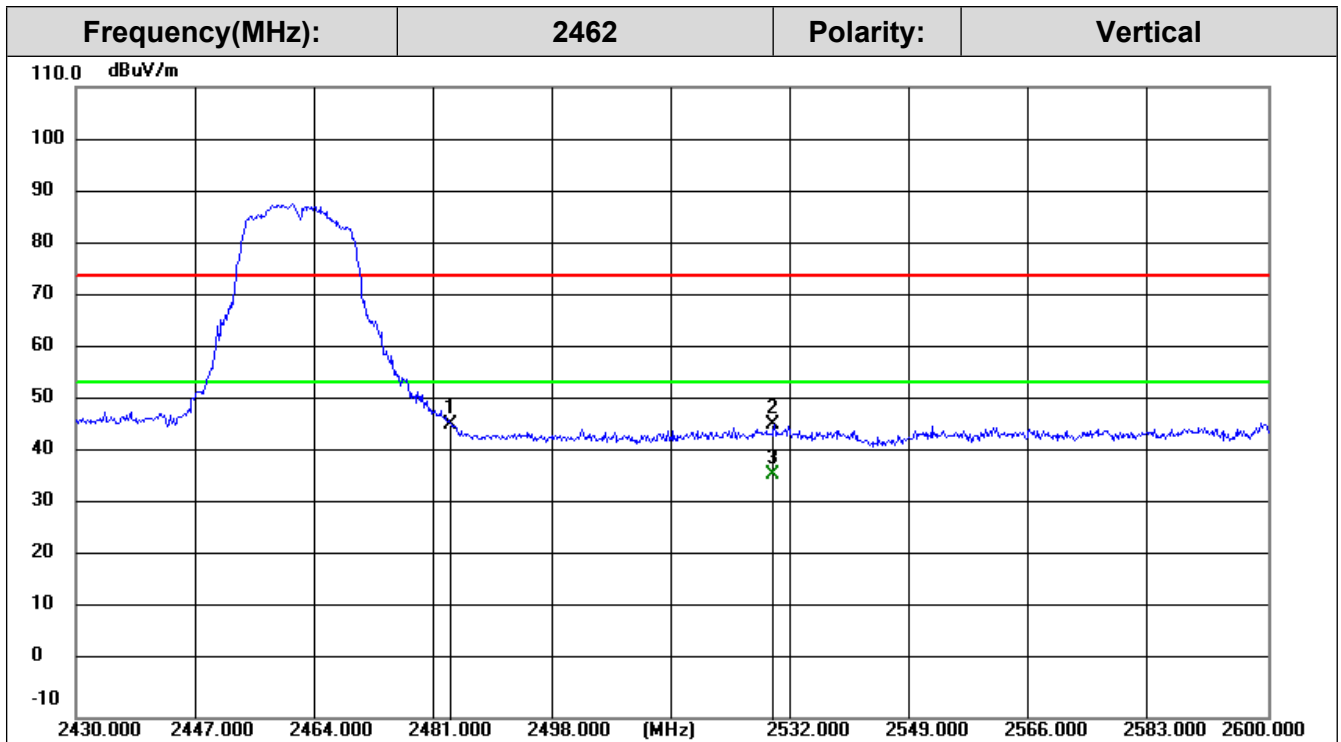
Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	57.26	-11.60	45.66	74.00	-28.34	peak
2	2483.500	47.79	-11.60	36.19	54.00	-17.81	AVG
3	2518.740	60.77	-11.47	49.30	74.00	-24.70	peak
4	2518.740	52.15	-11.47	40.68	54.00	-13.32	AVG



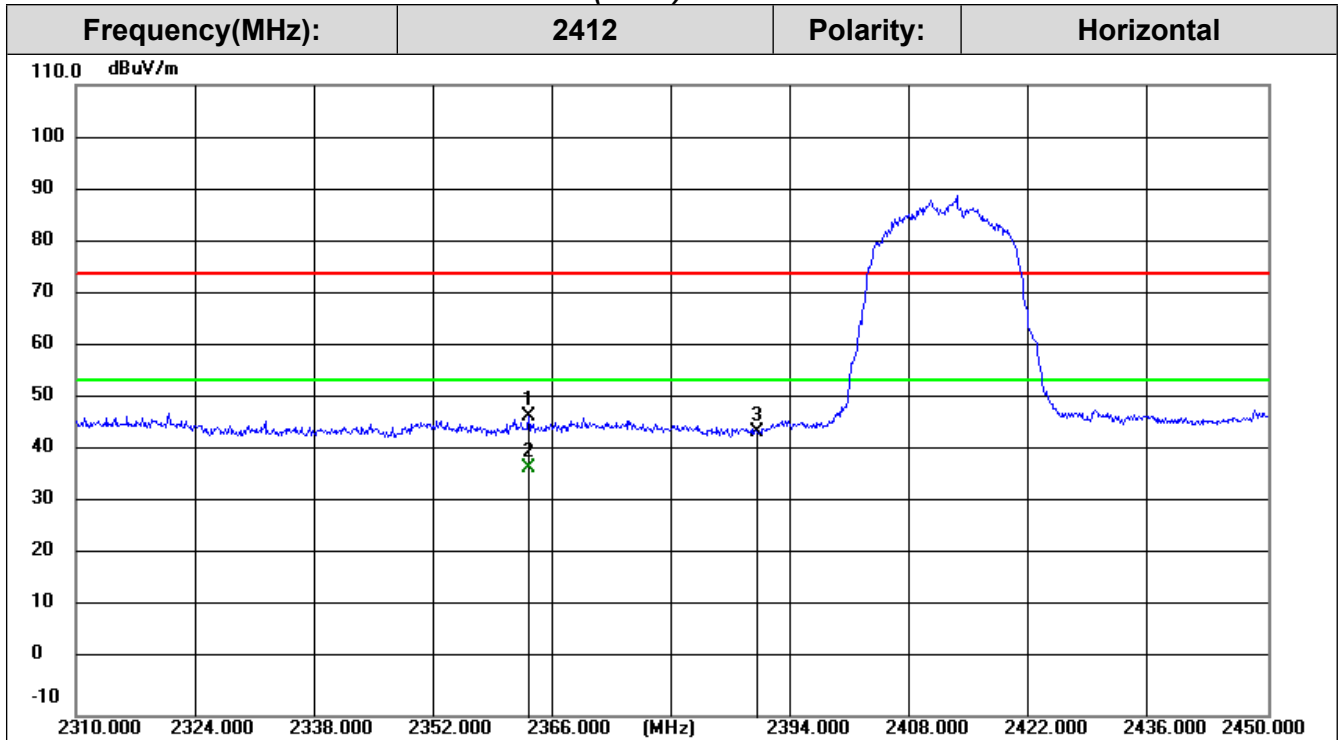
Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	57.49	-11.60	45.89	74.00	-28.11	peak
2	2529.682	57.12	-11.42	45.70	74.00	-28.30	peak
3	2529.682	47.85	-11.42	36.43	54.00	-17.57	AVG

802.11n(HT20) MIMO mode


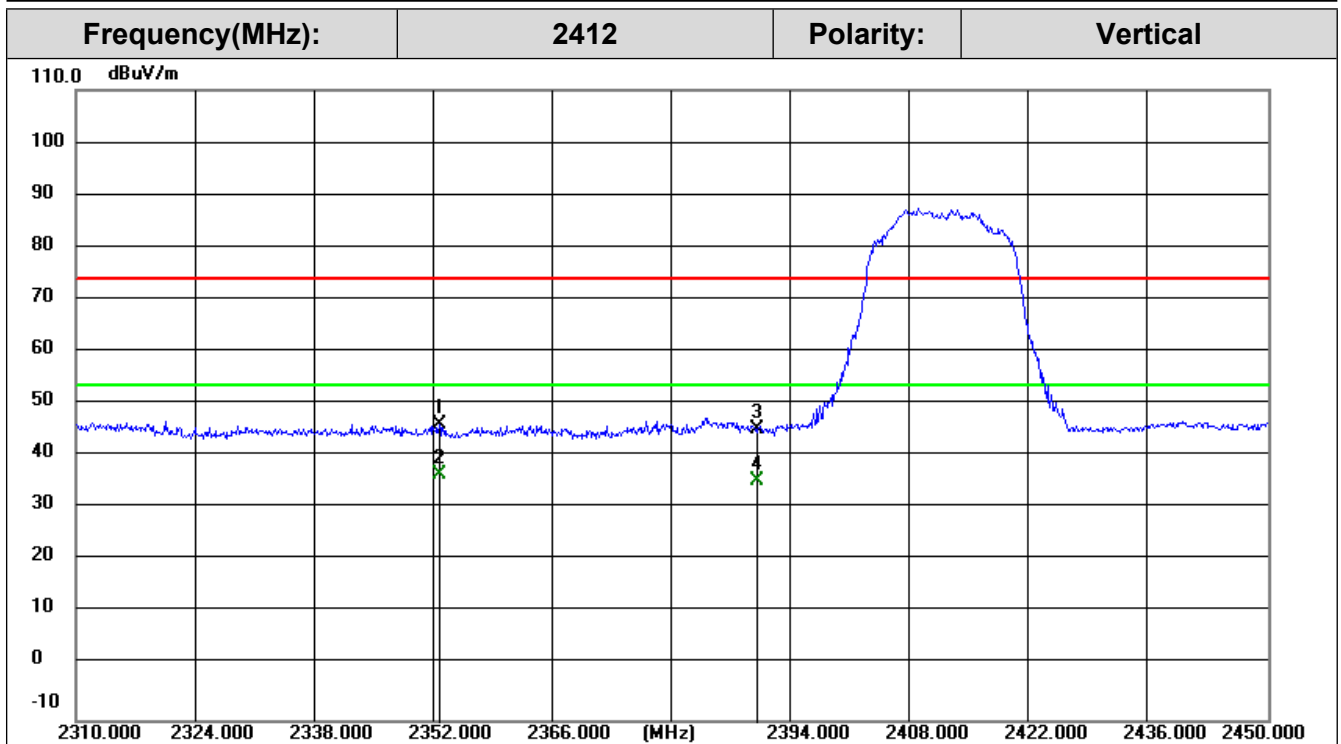
Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2363.270	58.86	-11.94	46.92	74.00	-27.08	peak
2	2363.270	49.12	-11.94	37.18	54.00	-16.82	AVG
3	2390.000	55.86	-11.87	43.99	74.00	-30.01	peak



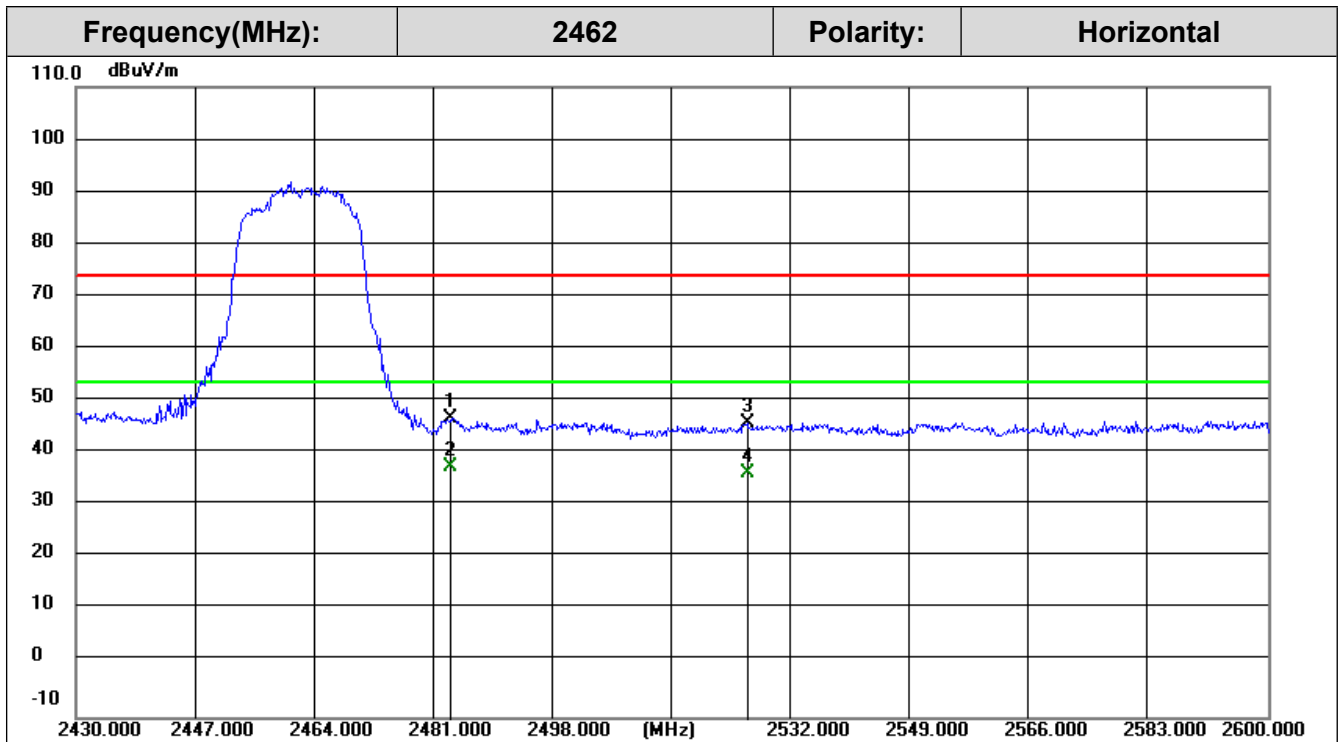
Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2352.798	58.53	-11.97	46.56	74.00	-27.44	peak
2	2352.798	48.89	-11.97	36.92	54.00	-17.08	AVG
3	2390.000	57.28	-11.87	45.41	74.00	-28.59	peak
4	2390.000	47.54	-11.87	35.67	54.00	-18.33	AVG



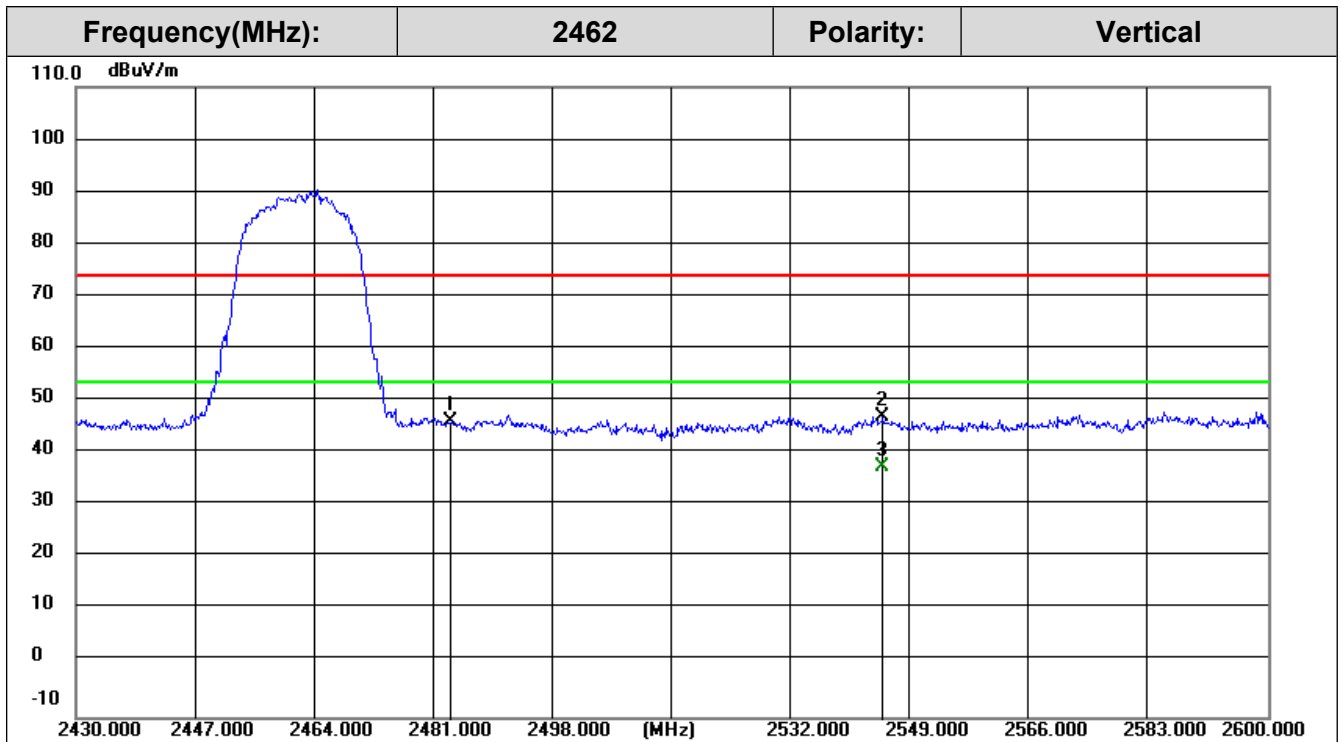
Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	58.75	-11.60	47.15	74.00	-26.85	peak
2	2483.500	49.36	-11.60	37.76	54.00	-16.24	AVG
3	2525.727	57.48	-11.44	46.04	74.00	-27.96	peak
4	2525.727	47.93	-11.44	36.49	54.00	-17.51	AVG



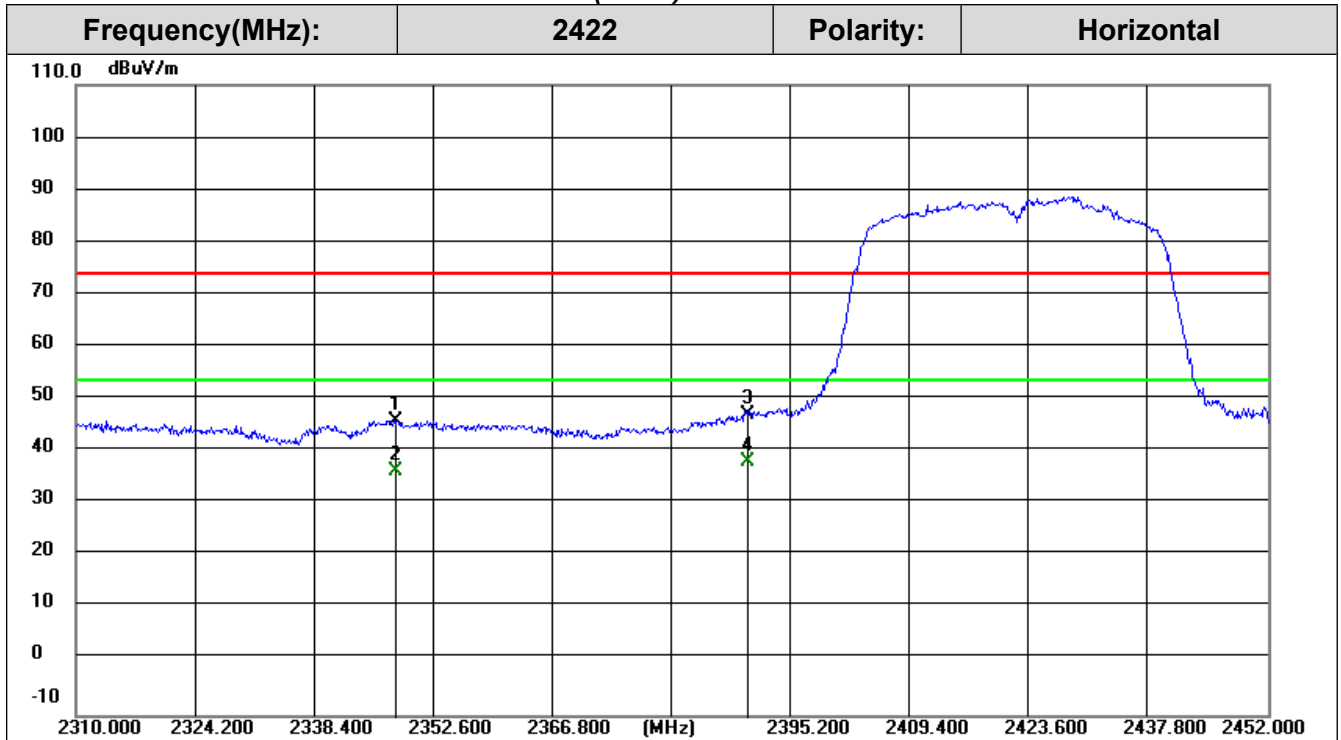
Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	58.13	-11.60	46.53	74.00	-27.47	peak
2	2545.203	58.70	-11.36	47.34	74.00	-26.66	peak
3	2545.203	49.28	-11.36	37.92	54.00	-16.08	AVG

802.11n(HT40) MIMO mode


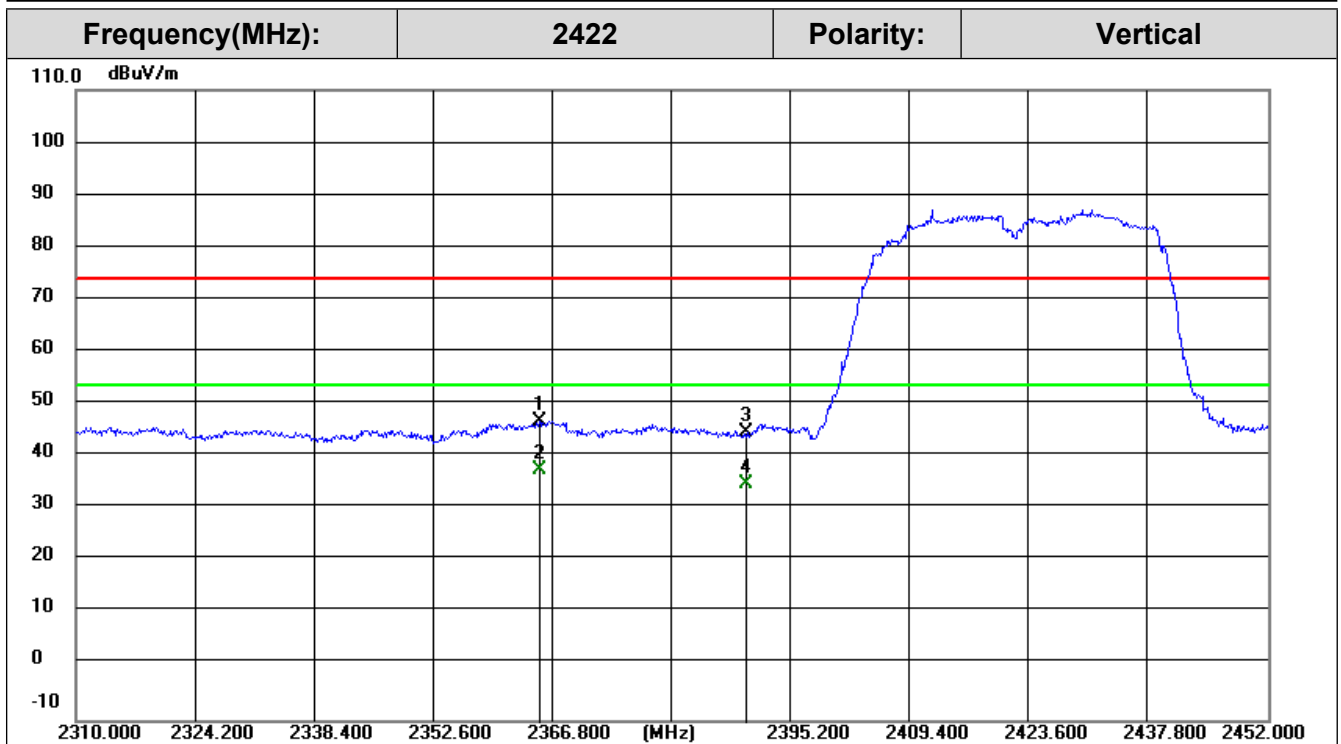
Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2348.432	58.19	-11.99	46.20	74.00	-27.80	peak
2	2348.432	48.47	-11.99	36.48	54.00	-17.52	AVG
3	2390.000	59.24	-11.87	47.37	74.00	-26.63	peak
4	2390.000	50.30	-11.87	38.43	54.00	-15.57	AVG



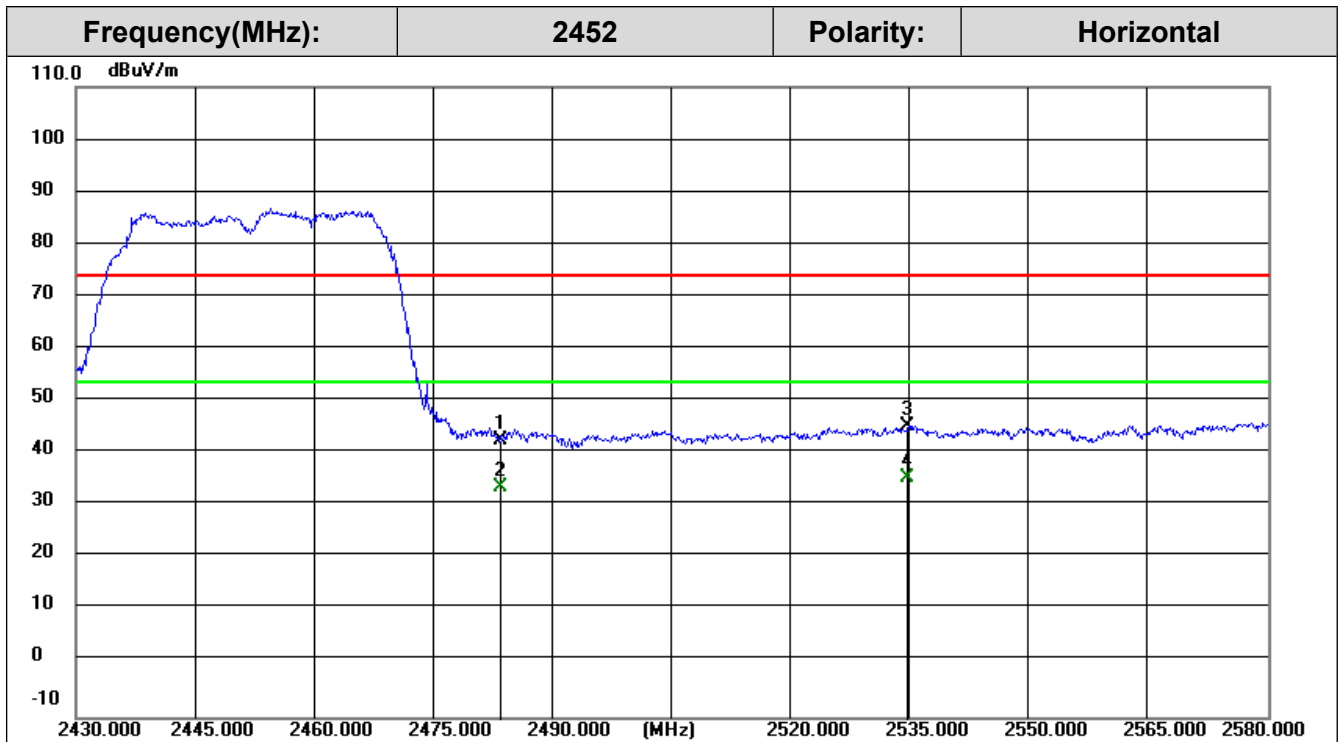
Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2365.345	58.88	-11.94	46.94	74.00	-27.06	peak
2	2365.345	49.85	-11.94	37.91	54.00	-16.09	AVG
3	2390.000	56.76	-11.87	44.89	74.00	-29.11	peak
4	2390.000	47.04	-11.87	35.17	54.00	-18.83	AVG



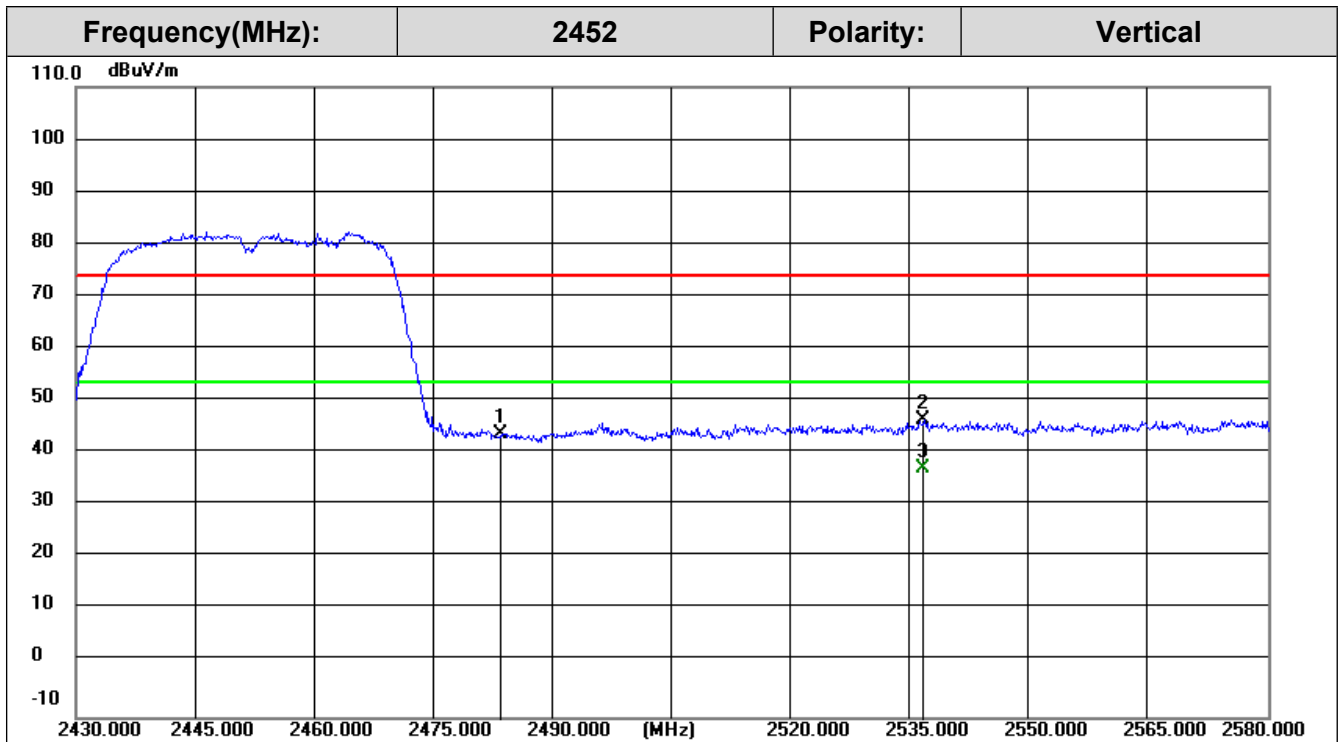
Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	54.32	-11.60	42.72	74.00	-31.28	peak
2	2483.500	45.44	-11.60	33.84	54.00	-20.16	AVG
3	2534.977	56.88	-11.40	45.48	74.00	-28.52	peak
4	2534.977	46.98	-11.40	35.58	54.00	-18.42	AVG



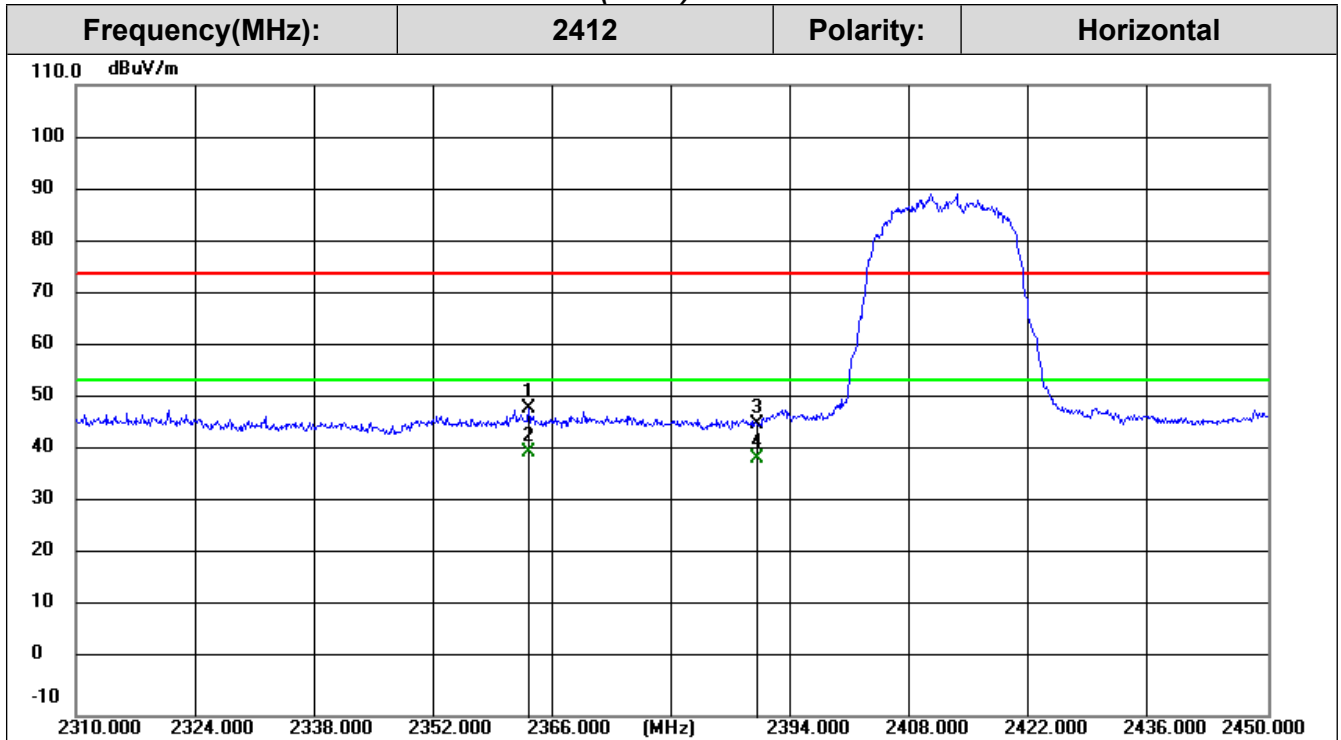
Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	55.60	-11.60	44.00	74.00	-30.00	peak
2	2536.927	58.00	-11.39	46.61	74.00	-27.39	peak
3	2536.927	48.85	-11.39	37.46	54.00	-16.54	AVG

802.11ax(HE20) MIMO mode


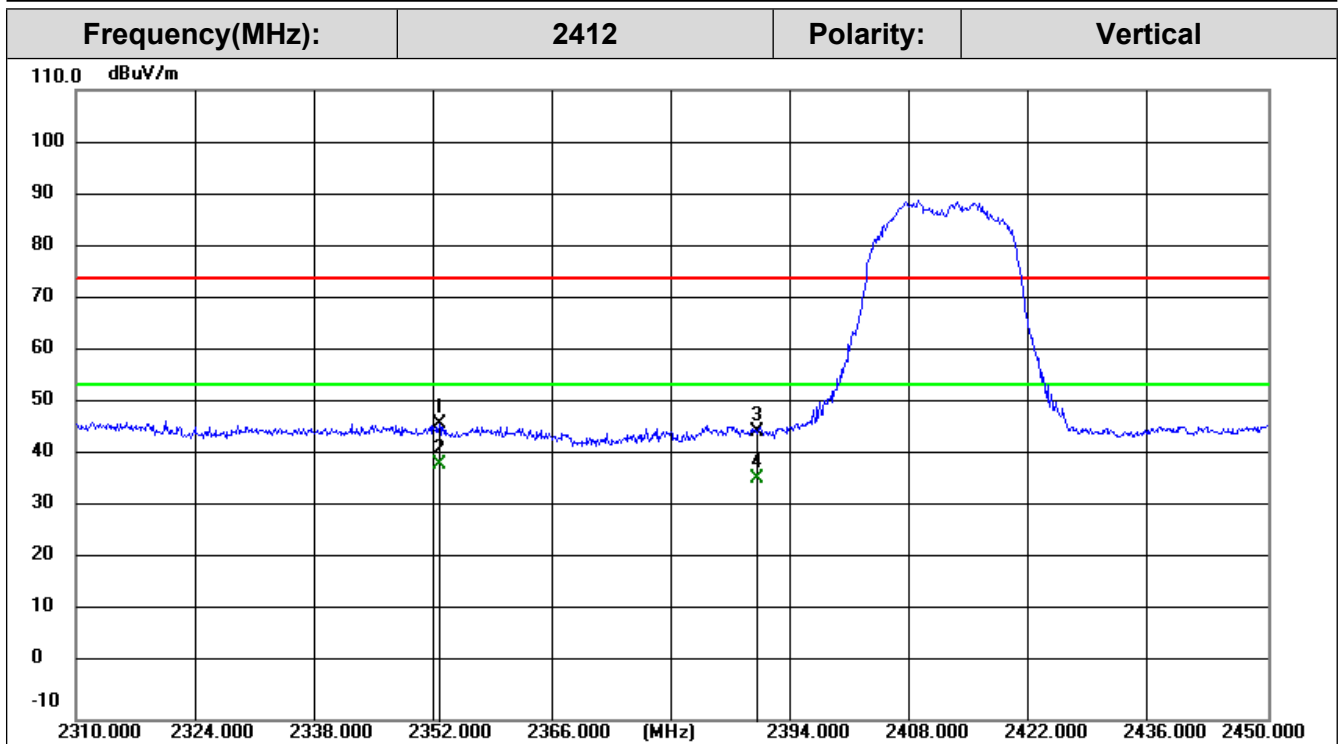
Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2363.270	60.36	-11.94	48.42	74.00	-25.58	peak
2	2363.270	52.05	-11.94	40.11	54.00	-13.89	AVG
3	2390.000	57.36	-11.87	45.49	74.00	-28.51	peak
4	2390.000	50.86	-11.87	38.99	54.00	-15.01	AVG



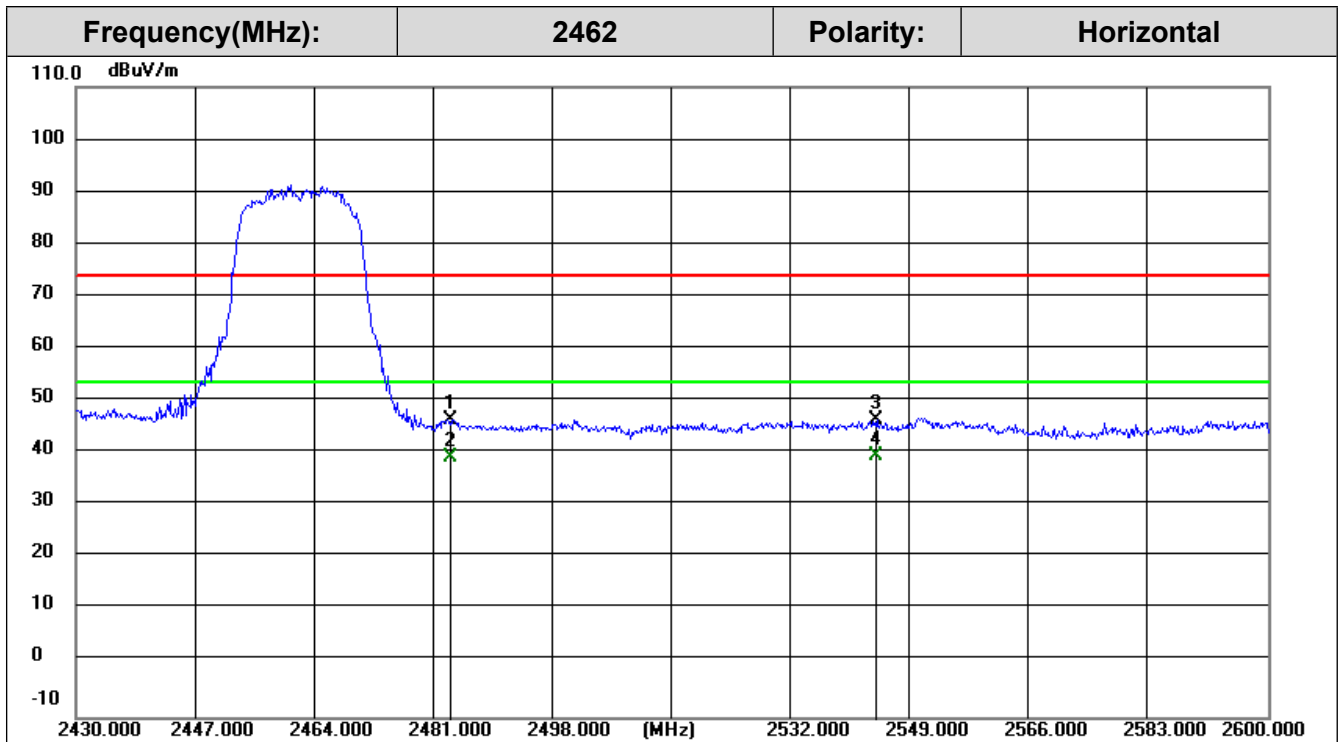
Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2352.798	58.53	-11.97	46.56	74.00	-27.44	peak
2	2352.798	50.74	-11.97	38.77	54.00	-15.23	AVG
3	2390.000	56.78	-11.87	44.91	74.00	-29.09	peak
4	2390.000	47.98	-11.87	36.11	54.00	-17.89	AVG



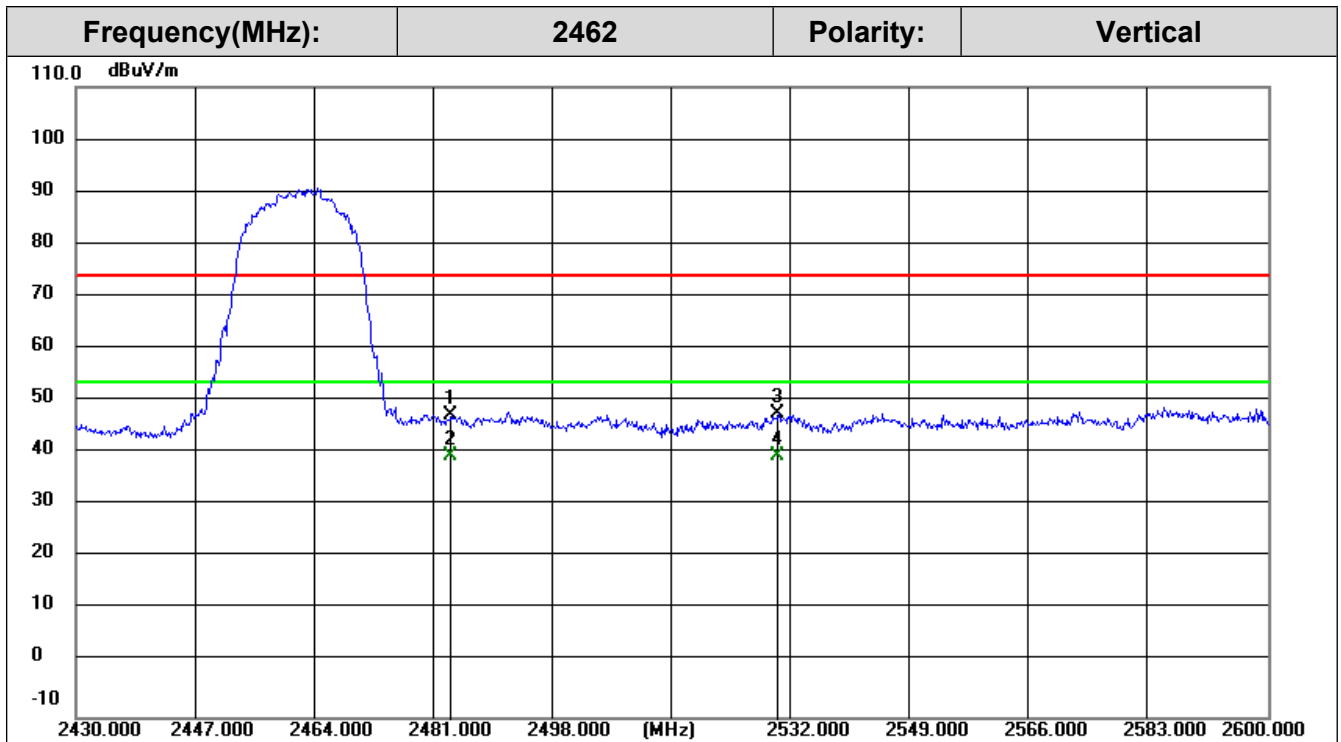
Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	58.25	-11.60	46.65	74.00	-27.35	peak
2	2483.500	51.06	-11.60	39.46	54.00	-14.54	AVG
3	2544.302	58.19	-11.37	46.82	74.00	-27.18	peak
4	2544.302	51.15	-11.37	39.78	54.00	-14.22	AVG



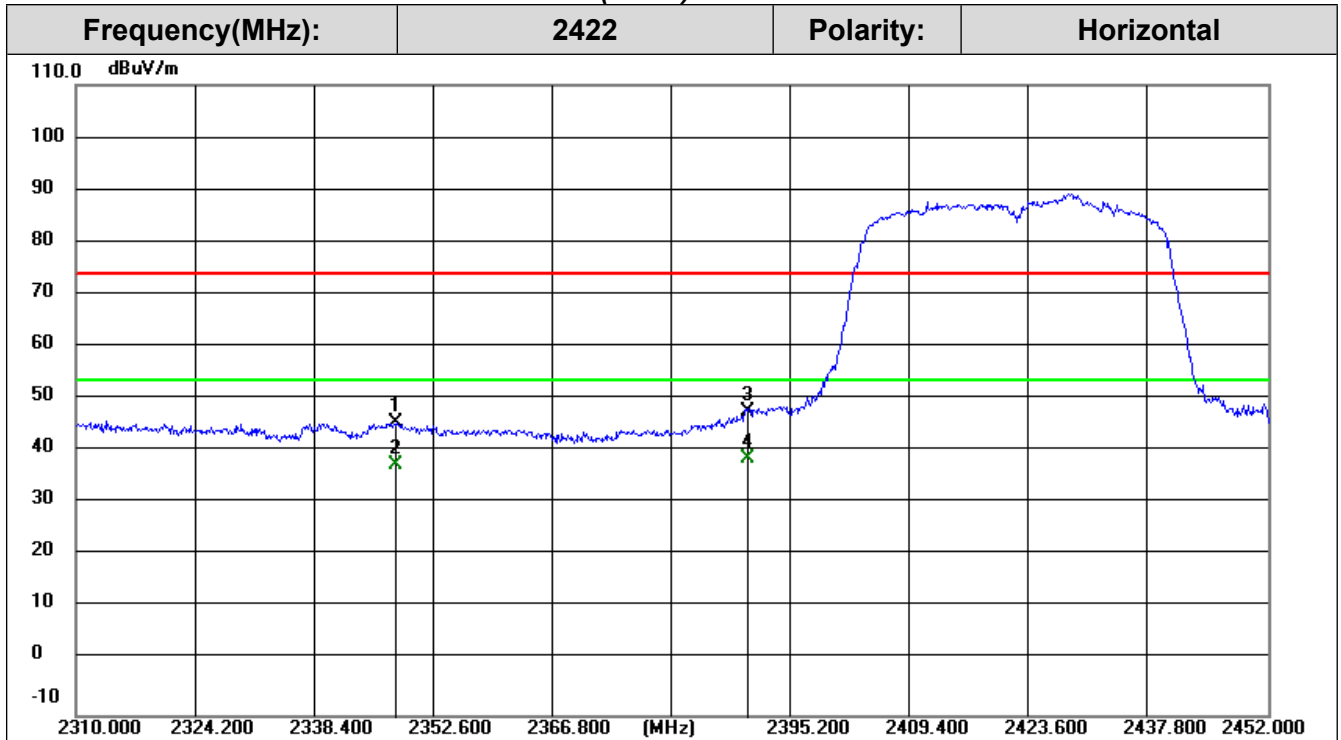
Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	59.13	-11.60	47.53	74.00	-26.47	peak
2	2483.500	51.37	-11.60	39.77	54.00	-14.23	AVG
3	2530.430	59.20	-11.41	47.79	74.00	-26.21	peak
4	2530.430	51.39	-11.41	39.98	54.00	-14.02	AVG

802.11ax(HE40) MIMO mode


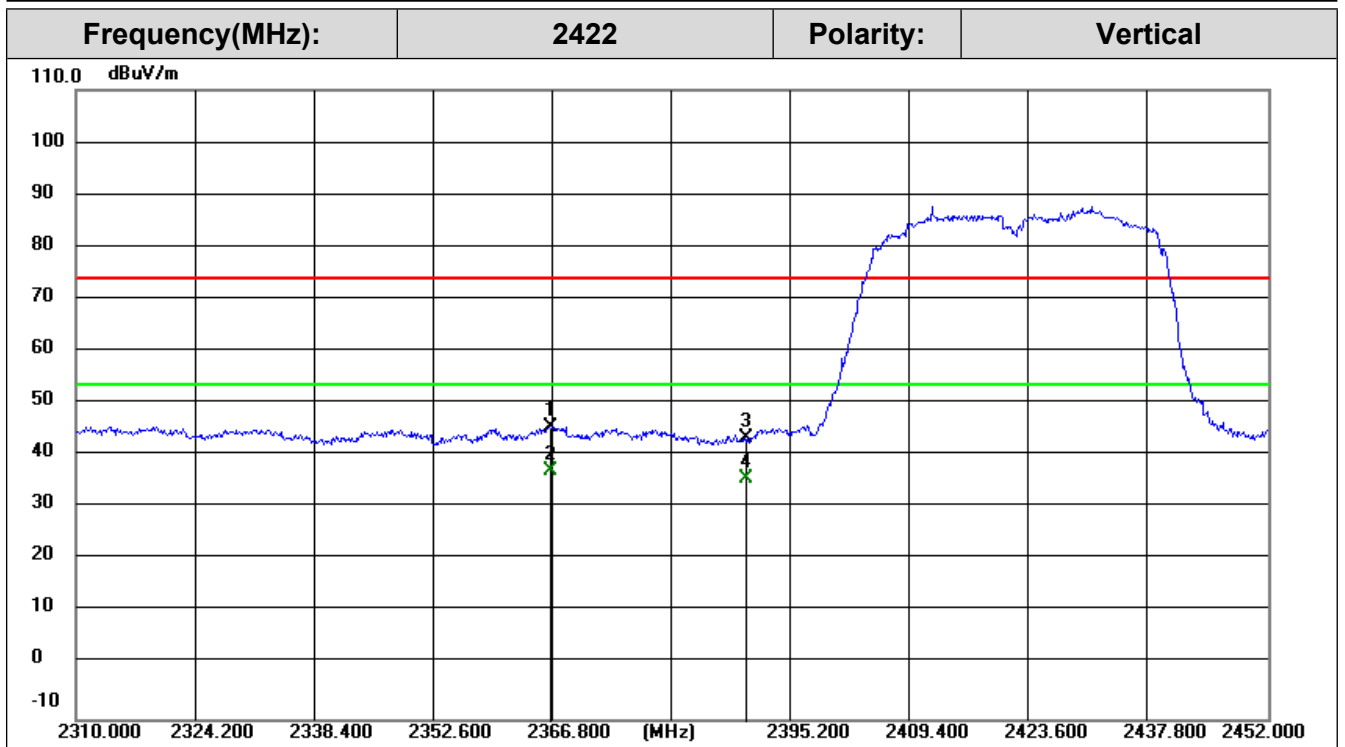
Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2348.432	57.69	-11.99	45.70	74.00	-28.30	peak
2	2348.432	49.87	-11.99	37.88	54.00	-16.12	AVG
3	2390.000	59.74	-11.87	47.87	74.00	-26.13	peak
4	2390.000	50.98	-11.87	39.11	54.00	-14.89	AVG



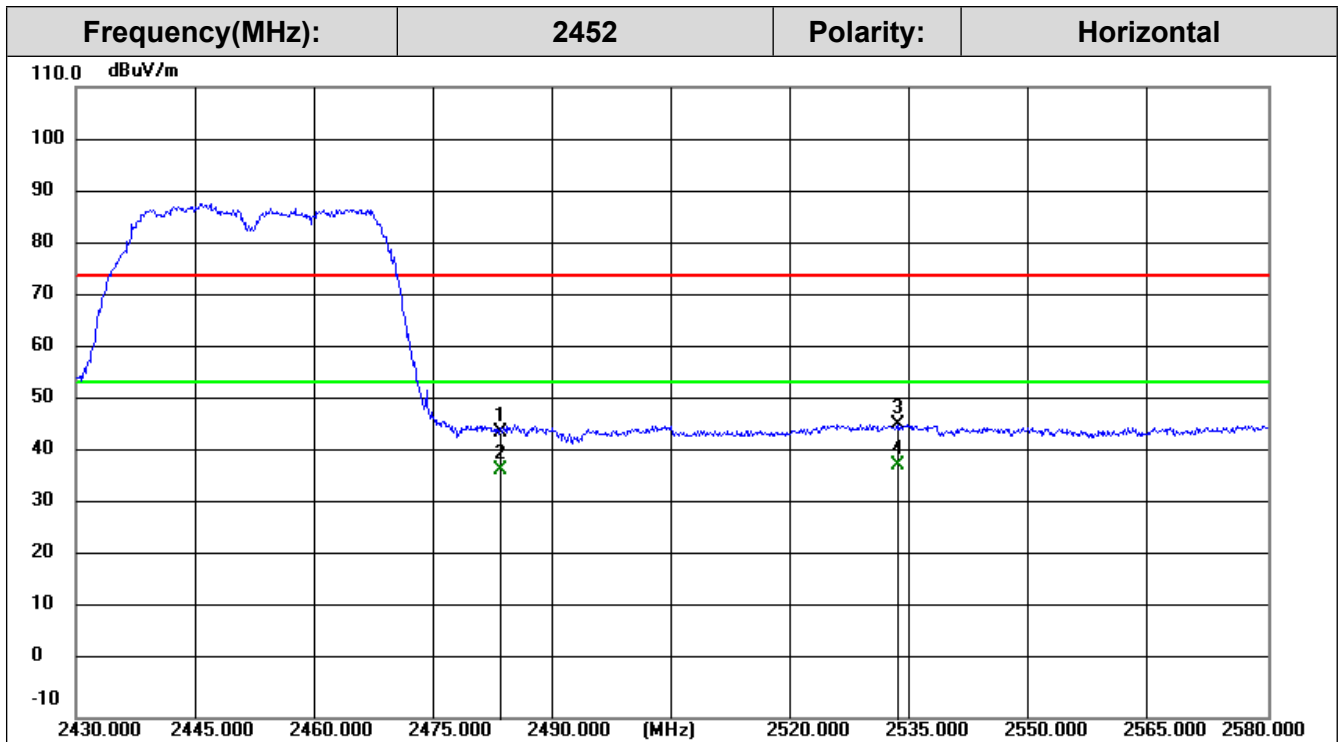
Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2366.743	57.88	-11.94	45.94	74.00	-28.06	peak
2	2366.743	49.38	-11.94	37.44	54.00	-16.56	AVG
3	2390.000	55.76	-11.87	43.89	74.00	-30.11	peak
4	2390.000	47.98	-11.87	36.11	54.00	-17.89	AVG



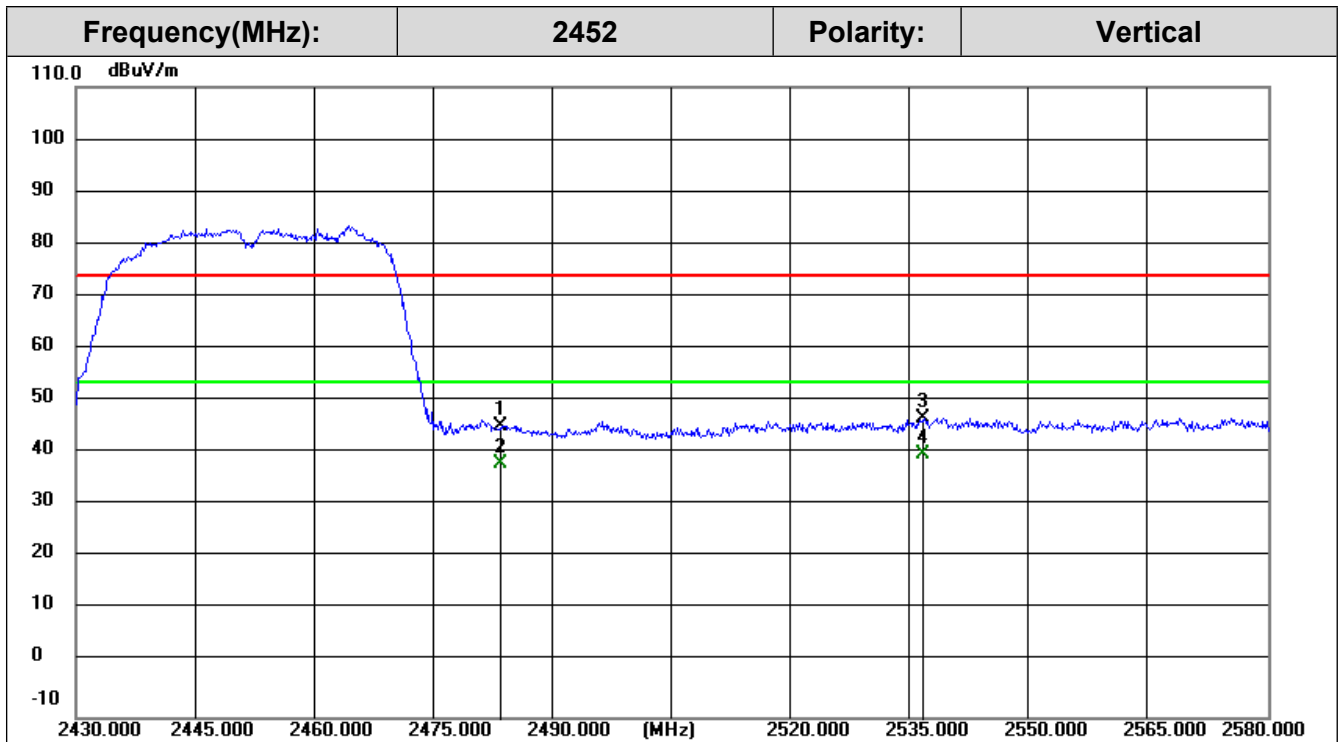
Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	55.82	-11.60	44.22	74.00	-29.78	peak
2	2483.500	48.71	-11.60	37.11	54.00	-16.89	AVG
3	2533.403	57.16	-11.40	45.76	74.00	-28.24	peak
4	2533.403	49.52	-11.40	38.12	54.00	-15.88	AVG



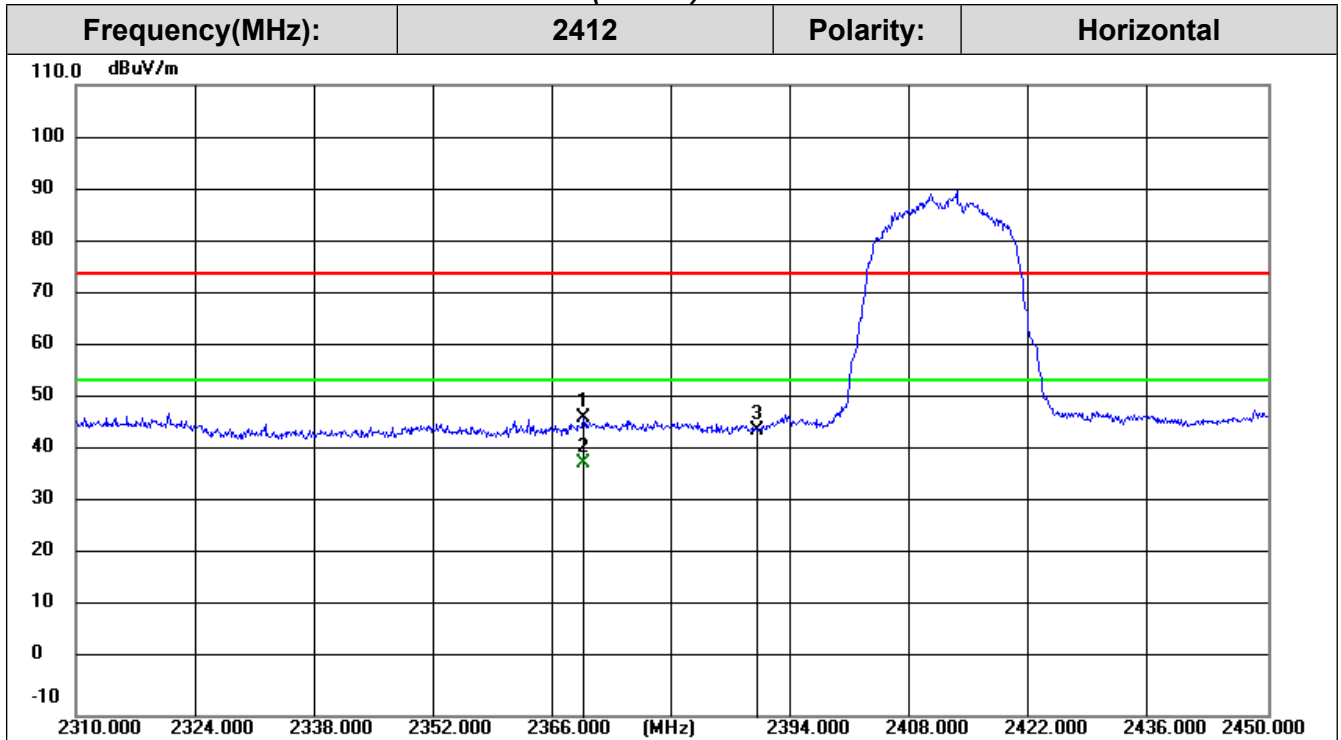
Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	57.10	-11.60	45.50	74.00	-28.50	peak
2	2483.500	50.04	-11.60	38.44	54.00	-15.56	AVG
3	2536.927	58.50	-11.39	47.11	74.00	-26.89	peak
4	2536.927	51.51	-11.39	40.12	54.00	-13.88	AVG

802.11be(EHT20) MIMO mode


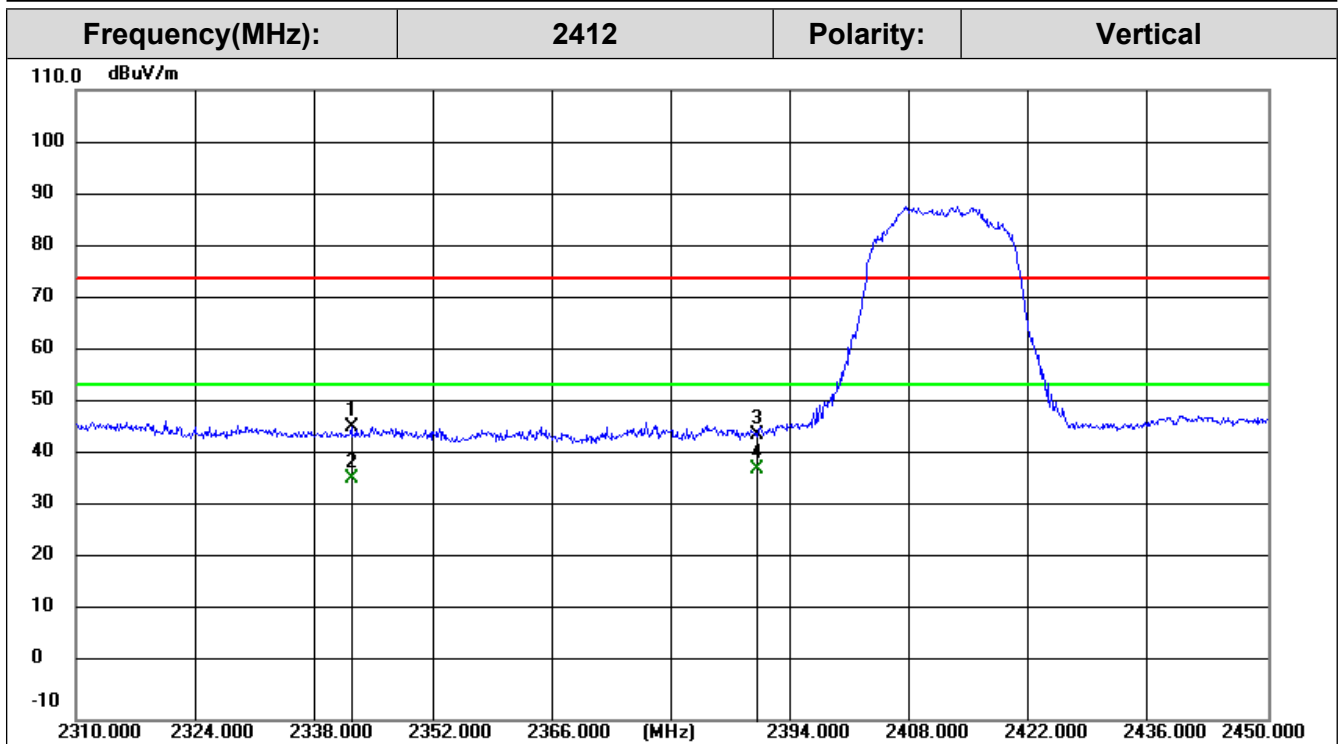
Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2369.710	58.71	-11.93	46.78	74.00	-27.22	peak
2	2369.710	50.04	-11.93	38.11	54.00	-15.89	AVG
3	2390.000	56.36	-11.87	44.49	74.00	-29.51	peak



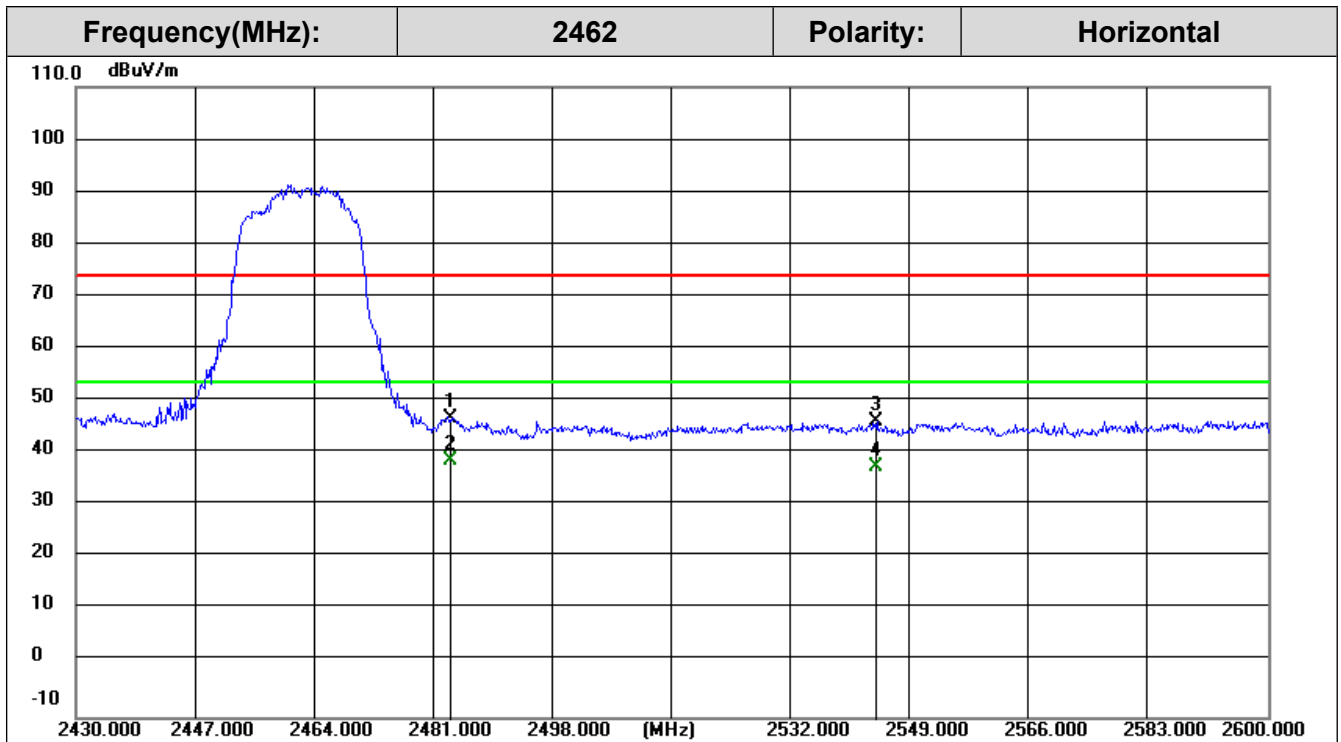
Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2342.424	57.86	-12.01	45.85	74.00	-28.15	peak
2	2342.424	48.12	-12.01	36.11	54.00	-17.89	AVG
3	2390.000	56.28	-11.87	44.41	74.00	-29.59	peak
4	2390.000	49.75	-11.87	37.88	54.00	-16.12	AVG



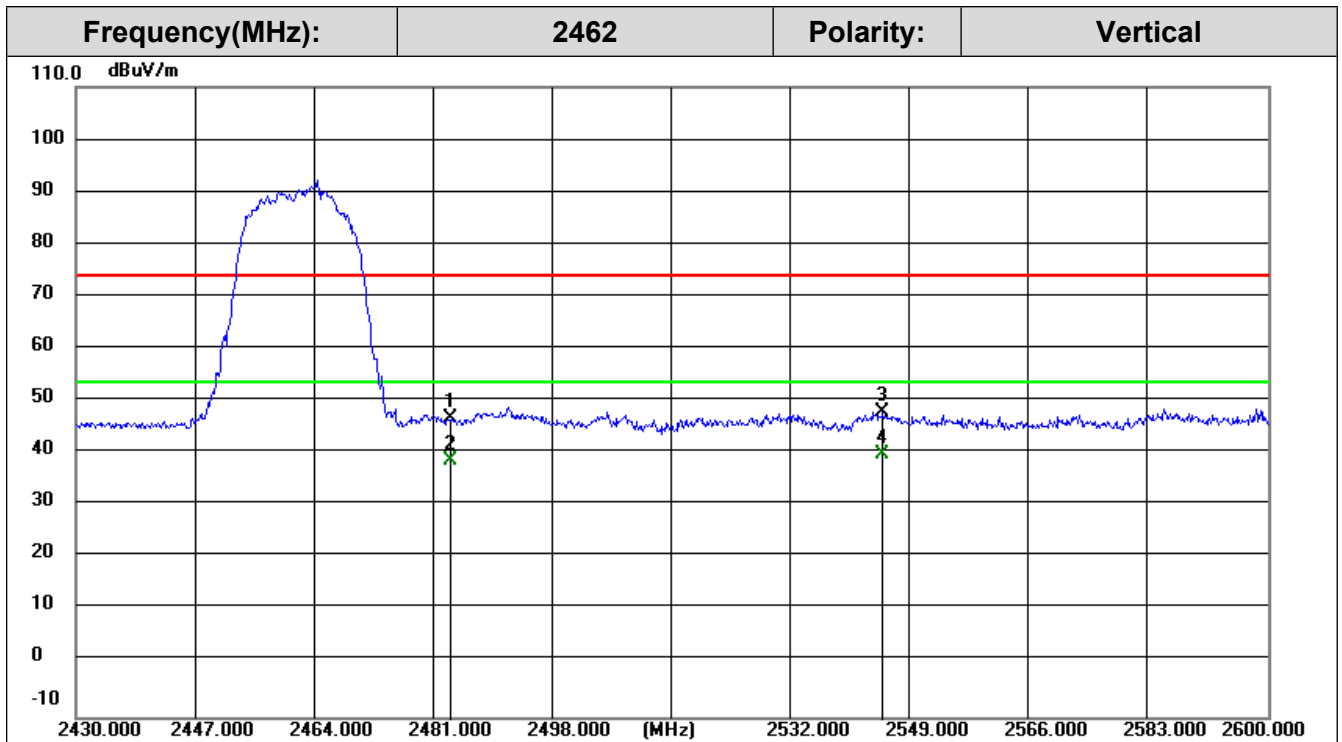
Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	58.75	-11.60	47.15	74.00	-26.85	peak
2	2483.500	50.71	-11.60	39.11	54.00	-14.89	AVG
3	2544.302	57.69	-11.37	46.32	74.00	-27.68	peak
4	2544.302	49.26	-11.37	37.89	54.00	-16.11	AVG



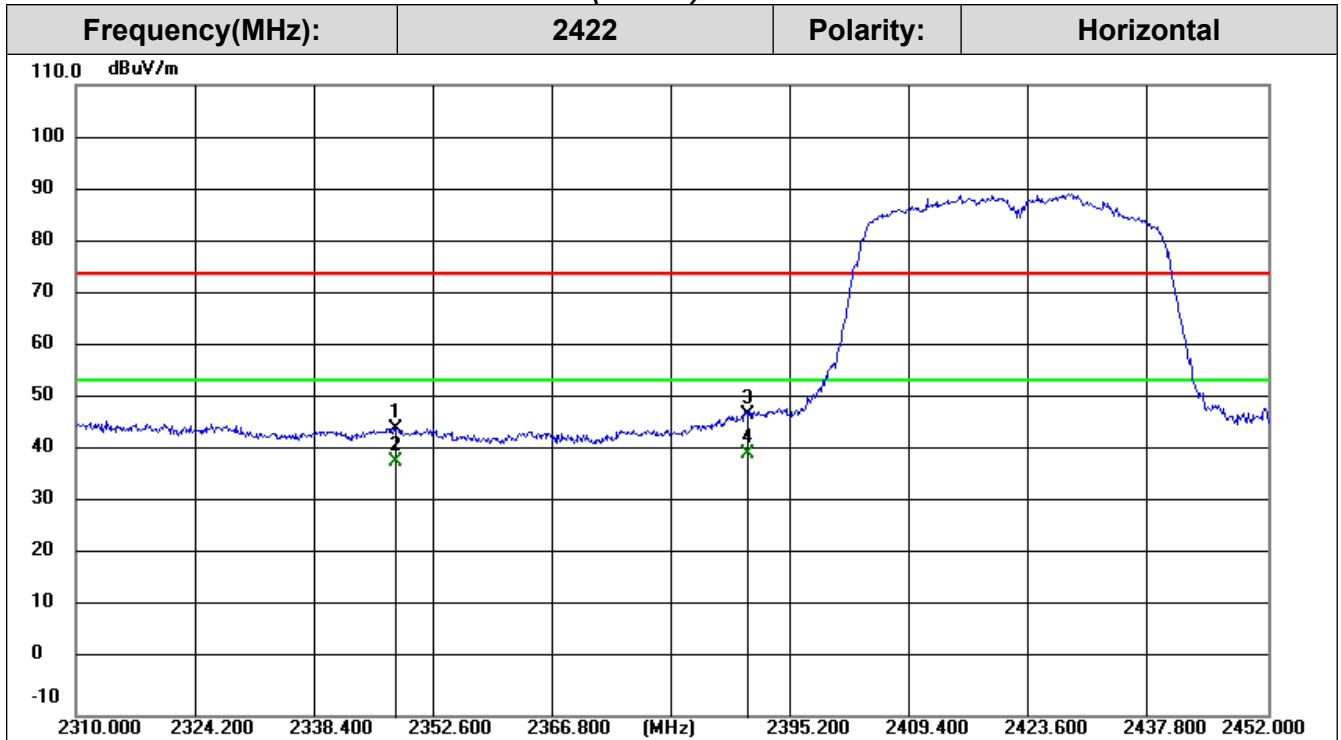
Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	58.63	-11.60	47.03	74.00	-26.97	peak
2	2483.500	50.71	-11.60	39.11	54.00	-14.89	AVG
3	2545.203	59.70	-11.36	48.34	74.00	-25.66	peak
4	2545.203	51.39	-11.36	40.03	54.00	-13.97	AVG

802.11be(EHT40) MIMO mode


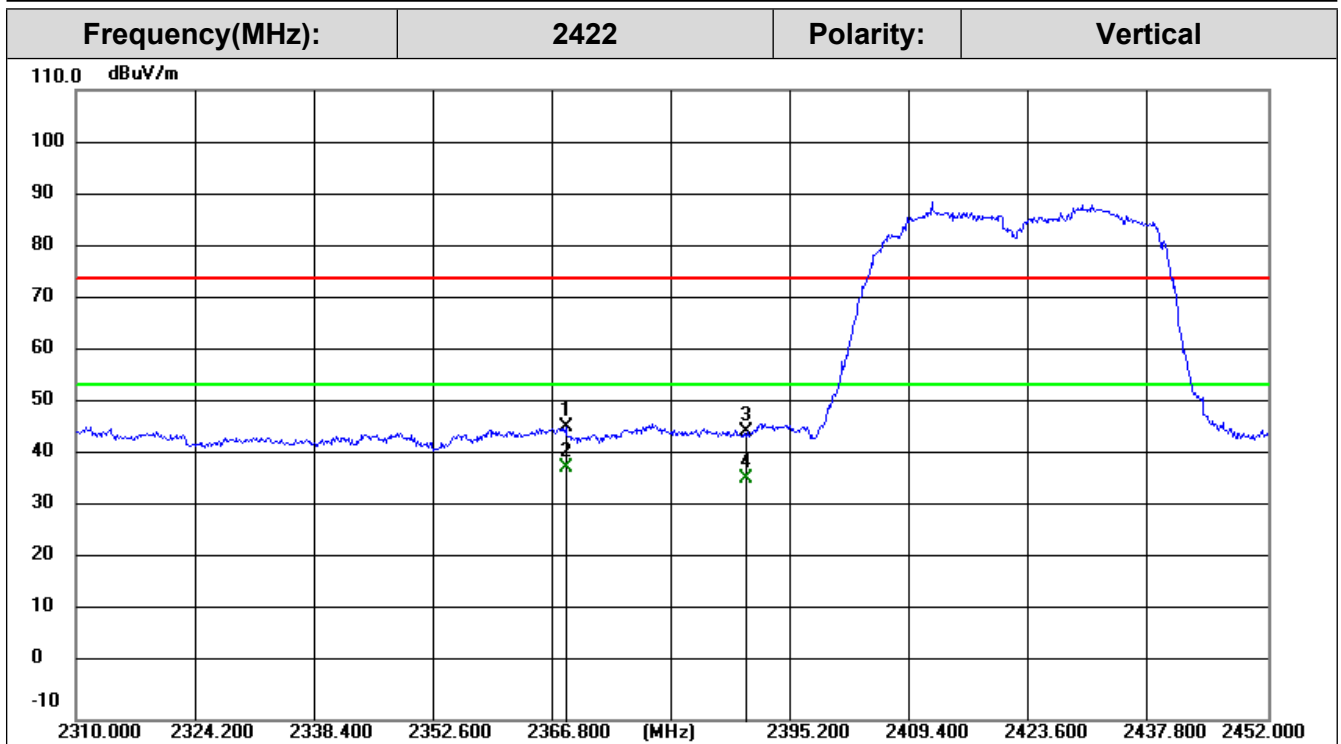
Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2348.432	56.69	-11.99	44.70	74.00	-29.30	peak
2	2348.432	50.32	-11.99	38.33	54.00	-15.67	AVG
3	2390.000	59.24	-11.87	47.37	74.00	-26.63	peak
4	2390.000	51.75	-11.87	39.88	54.00	-14.12	AVG



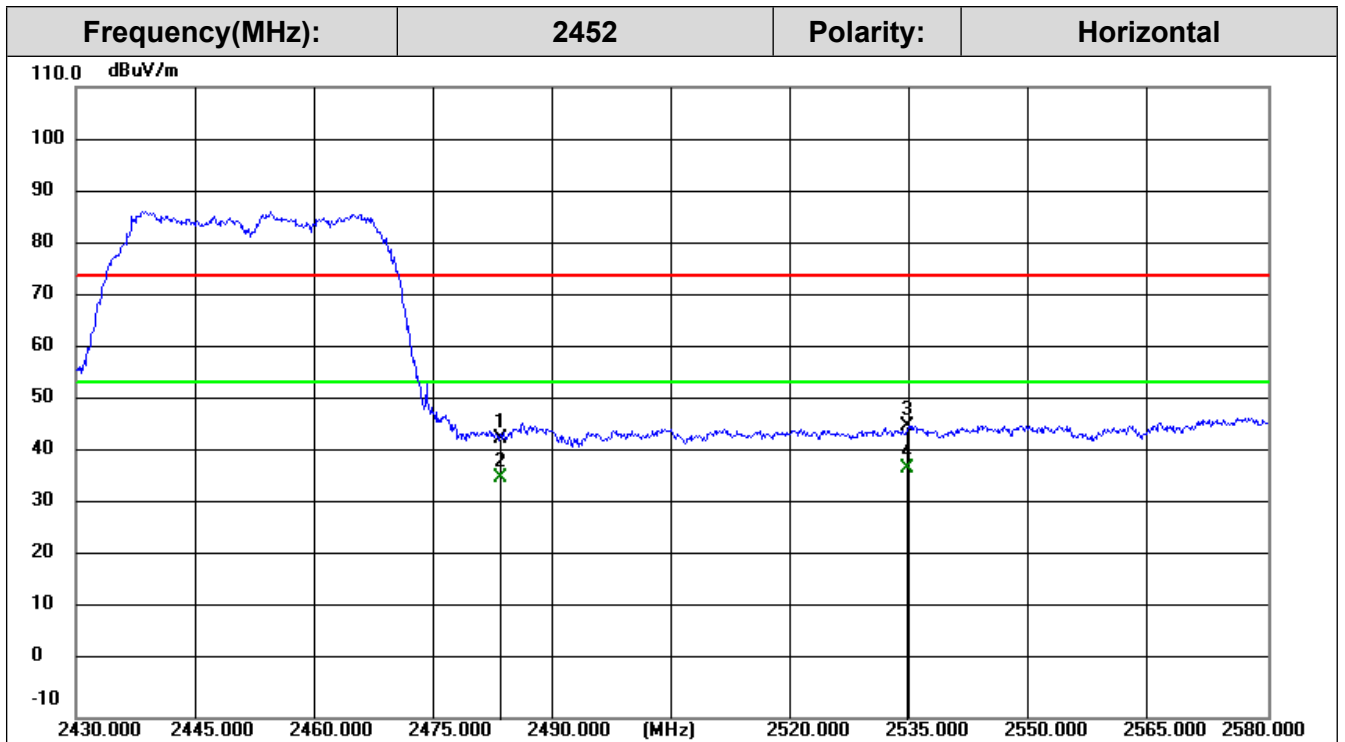
Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2368.483	57.64	-11.94	45.70	74.00	-28.30	peak
2	2368.483	49.90	-11.94	37.96	54.00	-16.04	AVG
3	2390.000	56.76	-11.87	44.89	74.00	-29.11	peak
4	2390.000	47.98	-11.87	36.11	54.00	-17.89	AVG



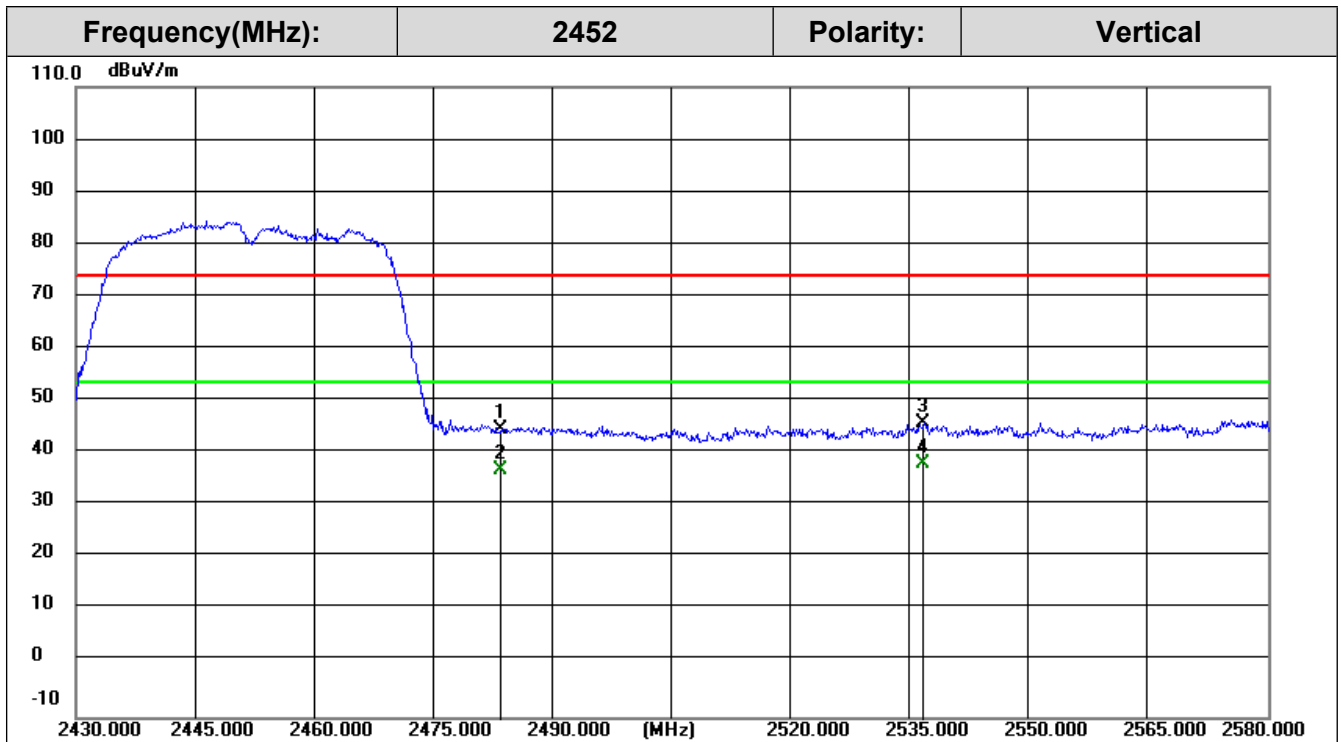
Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	54.82	-11.60	43.22	74.00	-30.78	peak
2	2483.500	47.26	-11.60	35.66	54.00	-18.34	AVG
3	2534.977	56.88	-11.40	45.48	74.00	-28.52	peak
4	2534.977	48.84	-11.40	37.44	54.00	-16.56	AVG



Remark:

Emission Level = Reading + Factor;

Factor = Antenna Factor + Cable Loss – Pre-amplifier;

Margin= Emission Level - Limit.

No.	Frequency (MHz)	Reading (dBuV/m)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2483.500	56.60	-11.60	45.00	74.00	-29.00	peak
2	2483.500	48.75	-11.60	37.15	54.00	-16.85	AVG
3	2536.927	57.50	-11.39	46.11	74.00	-27.89	peak
4	2536.927	49.78	-11.39	38.39	54.00	-15.61	AVG

3.3 Antenna Requirement

Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203:

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

FCC CFR Title 47 Part 15 Subpart C Section 15.247(b) (4):

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

Test Result

The device used 50Ω FPC Antenna, the maximum gain of antenna is 2.41dBi. There is no consideration of replacement the antenna.

4 Test Setup Photographs of EUT

Please refer to separated files for Test Setup Photos of the EUT.

5 External Photographs of EUT

Please refer to separated files for External Photos of the EUT.

6 Internal Photographs of EUT

Please refer to separated files for Internal Photos of the EUT.

***** **End of Report** *****