

TEST REPORT

Report No.: SHE22090051-02AE

Date: 2022-09-23

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Applicant : Keeson Technology Corporation Limited
Address of Applicant : No. 195, Yuanfeng East Road, Wangjiangjing, Xiuzhou District, Jiaxing City, 314000, China

Product Name : Control box
Brand Name : N/A
Model No. : MC232SC
Sample Source : Sent by Client
Sample No. : E22090051-01#02
E22090051-01#04
FCC ID : 2AK23MC232SC
ISED Number : 22406-MC232SC

Standards : FCC CFR47 Part 15, Subpart C Section 15.249
RSS-Gen (Issue 5, Amd.2-Feb 2021)
RSS-210 (Issue 10, Amendment-Apr 2020)

Date of Receipt : 2022-09-20
Date of Test : 2022-09-20 ~ 2022-09-23
Date of Issue : 2022-09-23

Remark:

This report details the results of the testing carried out on one sample, the results contained in this report do not relate to other samples of the same product. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

Prepared by:


(Erik Yang)

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(Authorized signatory: Guoyou Chi)

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1 General Information

1.1 Testing Laboratory

ISED CAB identifier #	CN0081
Company Name	ICAS Testing Technology Service (Shanghai) Co., Ltd.
Address	No.1298 Pingan Rd, Minhang District, Shanghai, China
Telephone	0086 21-51682999
Fax	0086 21-54711112
Homepage	www.icasiso.com

1.2 Details of Application

Applicant Company Name	Keeson Technology Corporation Limited
Address	No. 195, Yuanfeng East Road,Wangjiangjing, Xiuzhou District,Jiaxing City,314000,China
Contact Person	Sam xu
Telephone	18279170755
Email	xuwb@keeson.com
Manufacturer Company Name	DewertOkin Technology Group Co., Ltd.
Address	No.465, Xinnanyang Road, Wangjiangjing Development Zone, Xiuzhou District, Jiaxing City, Zhejiang Province, China.
Factory Company Name	DewertOkin Technology Group Co., Ltd.
Address	No.465, Xinnanyang Road, Wangjiangjing Development Zone, Xiuzhou District, Jiaxing City, Zhejiang Province, China.

1.3 Details of EUT

Product Name	Control box
Brand Name	N/A
Test Model No.	MC232SC
FCC ID	2AK23MC232SC
ISED Number	22406-MC232SC
Serial Number	6800282815K228080127
Operation Frequency	2403MHz ~ 2480MHz
Maximum Field Strength	91.98dBuV/m(peak)@3m
Number of Channels	78
Modulation Type	GFSK
Antenna Type	PCB Antenna
Antenna Gain	1.225dBi
Extreme Temperature Range	-10℃~ +40℃
Test Voltage	DC 29V supply by power adapter

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Hardware version	R5.129.00.162-G
Software version	V1.1
Test SW Version	BL410_R; BL410_E
RF power setting in TEST SW	Enter the fixed frequency mode by pressing the key_Default power

Note:

1. The above information was declared by the manufacture.
2. For more details, please refer to the User's manual of the EUT.

Channel List

Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2.403GHz	28	2.430GHz	55	2.457GHz
2	2.404GHz	29	2.431GHz	56	2.458GHz
3	2.405GHz	30	2.432GHz	57	2.459GHz
4	2.406GHz	31	2.433GHz	58	2.460GHz
5	2.407GHz	32	2.434GHz	59	2.461GHz
6	2.408GHz	33	2.435GHz	60	2.462GHz
7	2.409GHz	34	2.436GHz	61	2.463GHz
8	2.410GHz	35	2.437GHz	62	2.464GHz
9	2.411GHz	36	2.438GHz	63	2.465GHz
10	2.412GHz	37	2.439GHz	64	2.466GHz
11	2.413GHz	38	2.440GHz	65	2.467GHz
12	2.414GHz	39	2.441GHz	66	2.468GHz
13	2.415GHz	40	2.442GHz	67	2.469GHz
14	2.416GHz	41	2.443GHz	68	2.470GHz
15	2.417GHz	42	2.444GHz	69	2.471GHz
16	2.418GHz	43	2.445GHz	70	2.472GHz
17	2.419GHz	44	2.446GHz	71	2.473GHz
18	2.420GHz	45	2.447GHz	72	2.474GHz
19	2.421GHz	46	2.448GHz	73	2.475GHz
20	2.422GHz	47	2.449GHz	74	2.476GHz
21	2.423GHz	48	2.450GHz	75	2.477GHz
22	2.424GHz	49	2.451GHz	76	2.478GHz
23	2.425GHz	50	2.452GHz	77	2.479GHz
24	2.426GHz	51	2.453GHz	78	2.480GHz
25	2.427GHz	52	2.454GHz		
26	2.428GHz	53	2.455GHz		
27	2.429GHz	54	2.456GHz		

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1.4 Test Methodology

47 CFR Part 15, Subpart C	Telecommunication-Radio Frequency Devices-Intentional Radiators
RSS-Gen (Issue 5, Amd.2-Feb 2021)	General Requirements for Compliance of Radio Apparatus
RSS-247 (Issue 2, February 2017)	Digital Transmission Systems (DTSS), Frequency Hopping Systems (FHSS) and Licence-Exempt Local Area Network (LE-LAN) Devices
RSS-210 (Issue 10, Amendment-Apr 2020)	Licence-Exempt Radio Apparatus: Category I Equipment

Note(s):

All test items were verified and recorded according to the standards and without any addition/deviation/exclusion during the test.

1.5 Test Summary

Test Item	FCC Rules	ISED Rules	Result
Antenna Requirement	Part 15.203	RSS-GEN 6.8	PASS
Radiated Emission	FCC Part 15.249(a),15.209	RSS-210 B.10(a) RSS-GEN 8.9	PASS
Band Edge	FCC Part 15.249(d),15.209	RSS-210 B.10(b) RSS-GEN 8.10	PASS
20dB Bandwidth and 99% Bandwidth	FCC Part 15.215(c)	RSS-GEN 6.7	PASS
Conducted Emission on AC Mains	FCC Part 15.207(a)	RSS-Gen 8.8	PASS

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2 Test Condition

2.1 Environmental conditions

Temperature (°C)	18-25
Humidity (%RH)	40-65
Barometric Pressure (mbar)	960-1060

2.2 Equipment List

Name of Equipment	Manufacturer	Model	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer	Keysight	N9020B	MY59260184	2022-08-02	2023-08-01
Spectrum Analyzer	Rohde & Schwarz	FSV40N	101450	2022-06-10	2023-06-09
Signal Generator	Rohde & Schwarz	SMR27	100184	2022-08-02	2023-08-01
EMI Test Receiver	Rohde & Schwarz	ESR 7	101911	2022-06-10	2023-06-09
EMI Test Receiver	Rohde & Schwarz	ESPI3	100173	2022-06-10	2023-06-09
V-network	SCHWARZBECK	NSLK8127	8127-902	2022-06-10	2023-06-09
Broadband Antenna	SCHWARZBECK	VULB9163	9163-1037	2021-06-08	2023-06-07
Horn Antenna	SCHWARZBECK	BBHA9120D	9120D-1775	2021-06-08	2023-06-07
Loop Antenna	SCHWARZBECK	FMZB 1513	/	2022-06-10	2023-06-09
Broadband Preamplifier	SCHWARZBECK	BBV 9718	346	2022-06-10	2023-06-09
EMC chamber 9*6*6 (L*W*H)	CHANGNING	966	N/A	2022-06-10	2023-06-09
Shielded Enclosure 8*5*4 (L*W*H)	CHANGNING	854	N/A	2022-06-10	2023-06-09
Test Software	BL	BL410_E	N/A	N/A	N/A
Test Software	BL	BL410_R	N/A	N/A	N/A

2.3 Measurement Uncertainty

The uncertainty is calculated using the methods suggested in the “Guide to the Expression of Uncertainty in measurement” (GUM) published by CISPR and ANSI. The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95.45%.

Parameter		Uncertainty
Antenna Port Conducted Emission	< 1GHz	± 1.5 dB
	> 1GHz	± 1.5 dB
Radiated Emission	9KHz – 30MHz	± 3.42 dB
	30 MHz – 1GHz	± 5.00 dB
	> 1GHz	± 4.88 dB
Conducted Emission on AC Mains	150kHz-30MHz	± 2.68 dB

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Occupied Channel Bandwidth	±5 %
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3 Test Set-up and Operation Modes

3.1 Details of Test Mode

Enter the fixed frequency mode by pressing the key was control EUT work in continuous transmitter and receiver mode.
Select test channel as below:

Channel	Frequency
The lowest channel(CH1)	2403MHz
The middle channel(CH40)	2442MHz
The Highest channel(CH78)	2480MHz

The basic operation modes are:

- A. Transmitting
 - i. Low Channel
 - ii. Middle Channel
 - iii. High Channel

3.2 Special Accessories and Auxiliary Equipment

Description	Manufacturer	Model No.	Serial No.
Head Motor	N/A	N/A	68003077
Foot Motor	N/A	N/A	68003077
Lumbar Motor	N/A	N/A	68003077
Massage Motor	N/A	N/A	68003077
Massage Motor Splitter Cable	N/A	N/A	68003411
Remote	N/A	N/A	68003083
Battery Backup	N/A	N/A	68001353
Underbed Lighting	N/A	N/A	68003362
Fullpower Processor	N/A	N/A	68003341
Fullpower Sensor	N/A	N/A	68003342-343
Speaker Communication Line	N/A	N/A	68003461
LED Signage	N/A	N/A	68003241

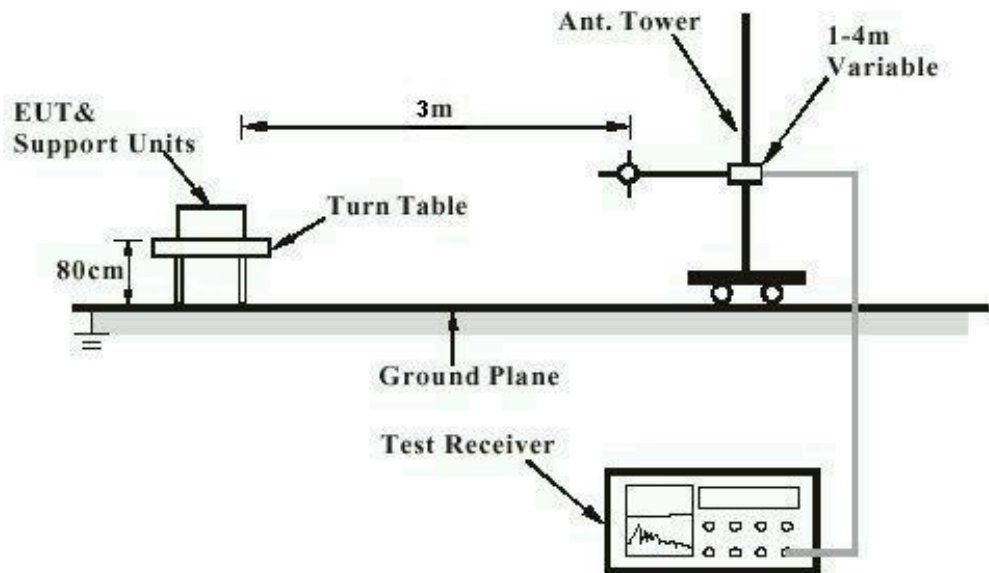
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3.3 Support Software

Description	Manufacturer	Software Name
N/A	N/A	N/A

3.4 Test Setup Diagram

Diagram of Measurement Configuration for Radiation Test



Note: Measurements above 1GHz are done with a table height of 1.5m. In addition, there is RF absorbing material on the floor of the test site for above 1GHz measurement.

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Diagram of Measurement Configuration for Conduction Test

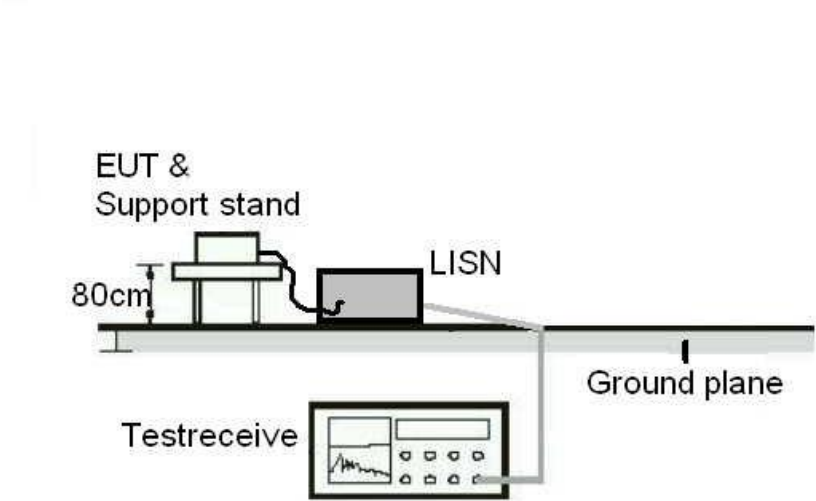
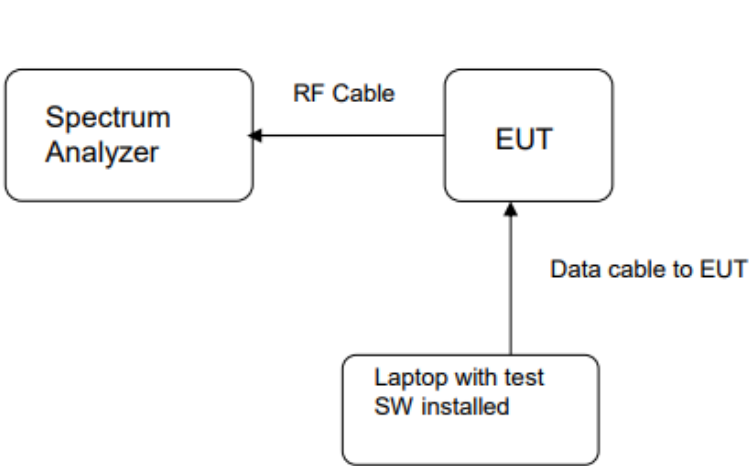


Diagram of Measurement Configuration for Transmitter Test



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4 Test Results

4.1 Transmitter Requirement & Test Suites

4.1.1 Antenna Requirement

RESULT:

PASS

Test standard	: Part 15.203, RSS-GEN 6.8
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 shall be considered sufficient to comply with the provisions of this section. 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.

According to the manufacturer declaration, the EUT has an antenna with a directional gain of 1.225dBi. The antenna is pcb antenna with no possibility of replacement with a non-approved antenna by the end-user.

Therefore, the EUT is considered to comply with this provision.

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4.1.2 Radiated Emission

RESULT:

PASS

Test standard	: FCC Part 15.249(a),15.209 RSS-210 B.10(a), RSS-GEN 8.9
Requirement	: ANSI C63.10-2013
Kind of test site	: 3m Semi-Anechoic Chamber

Test setup

Test Channel	: Low/Middle/High
Operation Mode	: A.i/ii/iii
Ambient temperature	: 25°C
Relative humidity	: 53%

Notes

1. For 9 kHz ~ 30 MHz, the amplitude of spurious emissions that are attenuated by more than 20dB below the permissible. The value has no need to be reported.
2. The spurious above 18GHz is noise only and 20dB below the limit. The value has no need to be reported.
3. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement –X, Y, and Z-plane. The X-plane results were found as the worst case and were shown in this report.

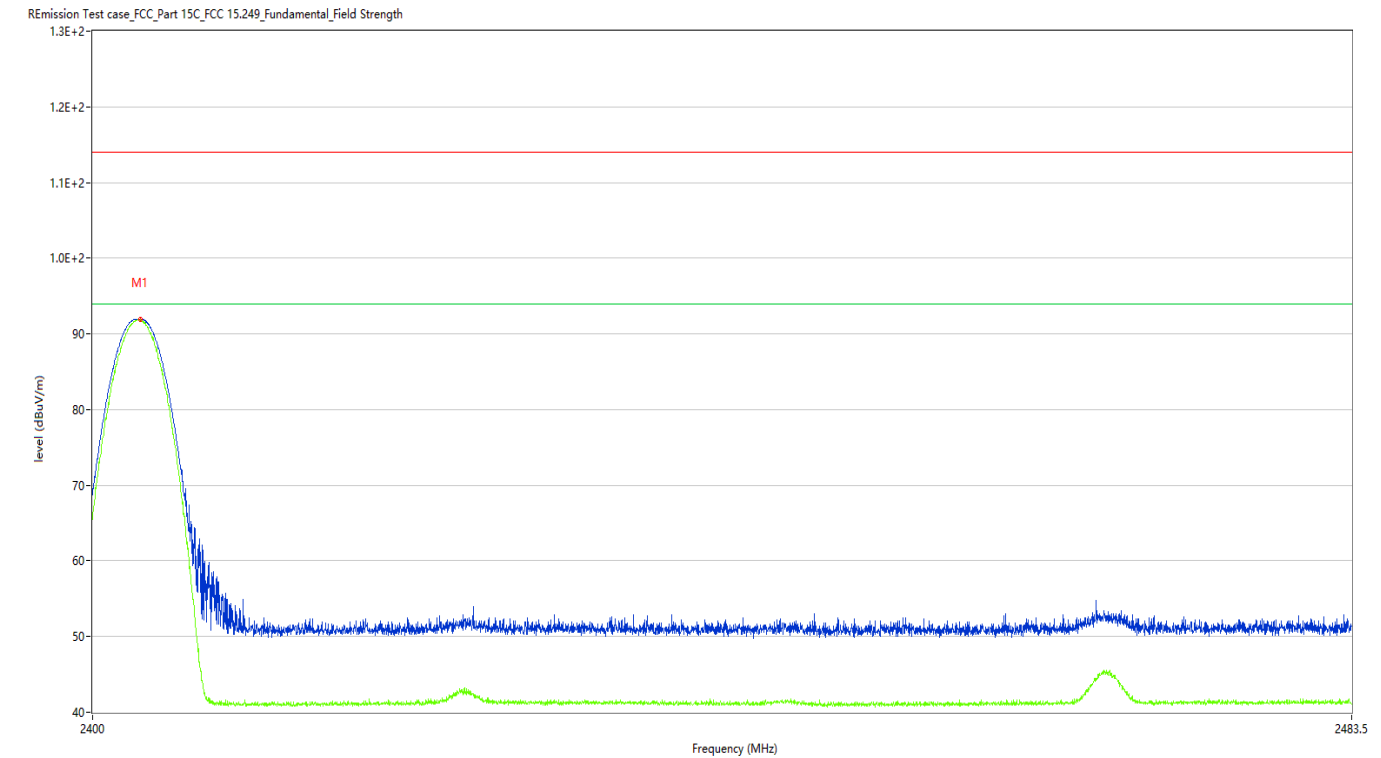
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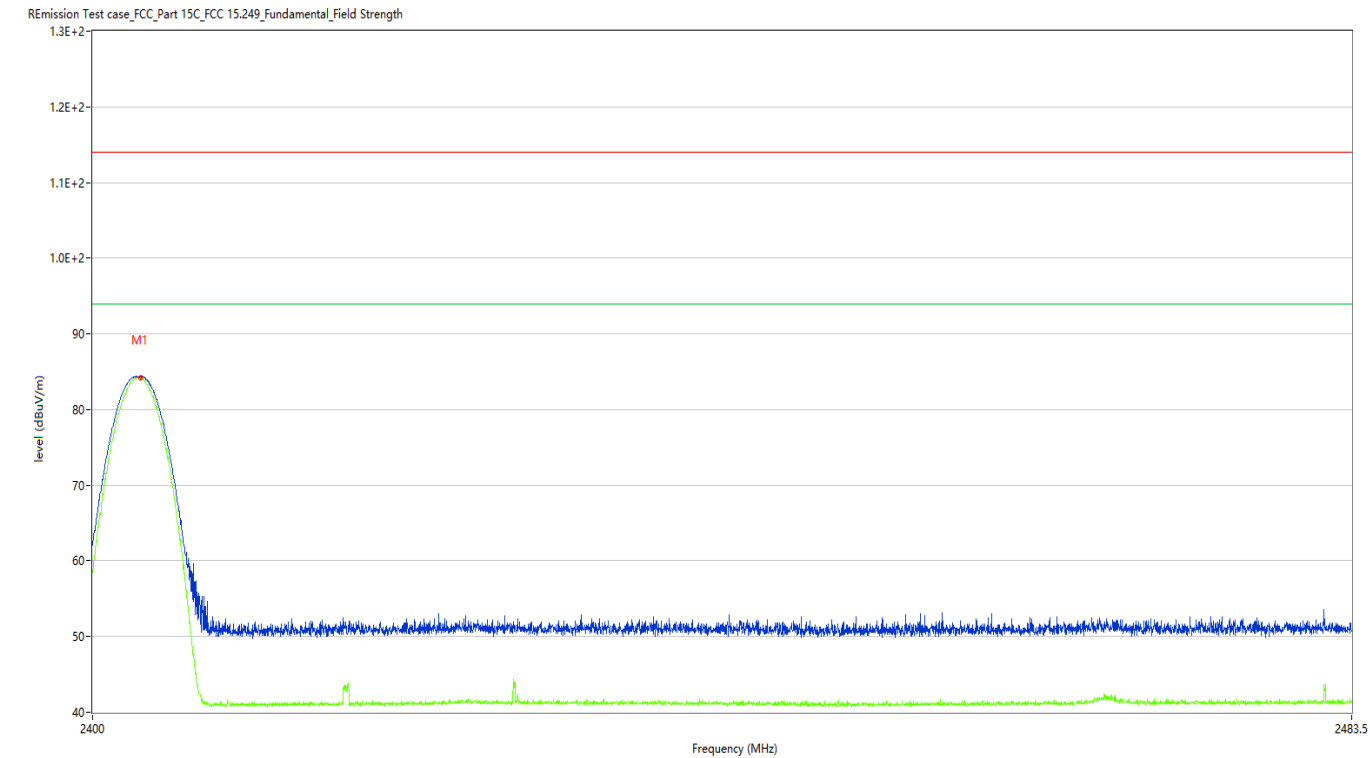
Figure 1: Test plots of Field strength of fundamental, 2403MHz, Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2403.110	91.98	-9.82	114.0	-22.02	Peak	317.90	100	Horizontal	Pass
1**	2403.110	91.85	-9.82	94.0	-2.15	AV	317.90	100	Horizontal	Pass

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Figure 2: Test plots of Field strength of fundamental, 2403MHz, Vertical polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2403.110	84.41	-9.82	114.0	-29.59	Peak	1.50	100	Vertical	Pass
1**	2403.110	84.21	-9.82	94.0	-9.79	AV	1.50	100	Vertical	Pass

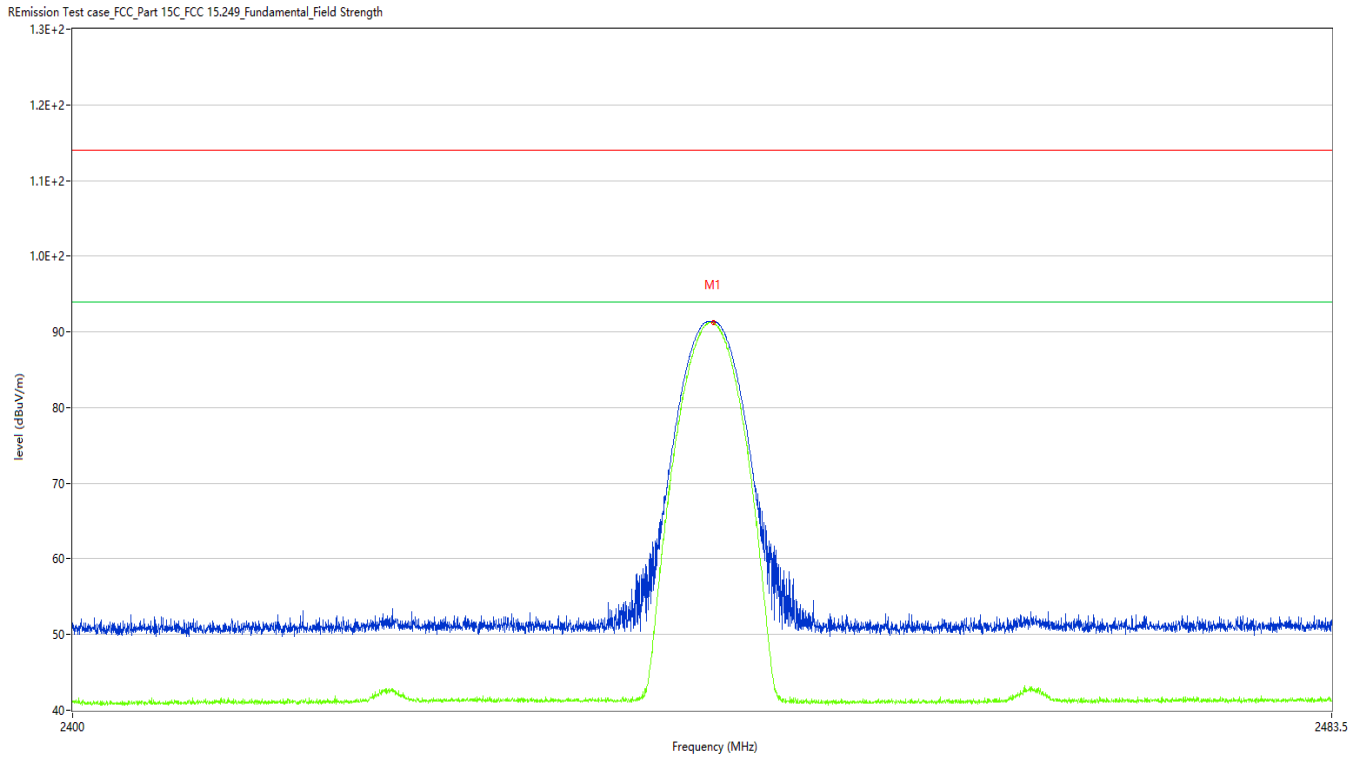
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Figure 3: Test plots of Field strength of fundamental, 2442MHz, Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2442.136	91.41	-9.62	114.0	-22.59	Peak	71.30	100	Horizontal	Pass
1**	2442.136	91.16	-9.62	94.0	-2.84	AV	71.30	100	Horizontal	Pass

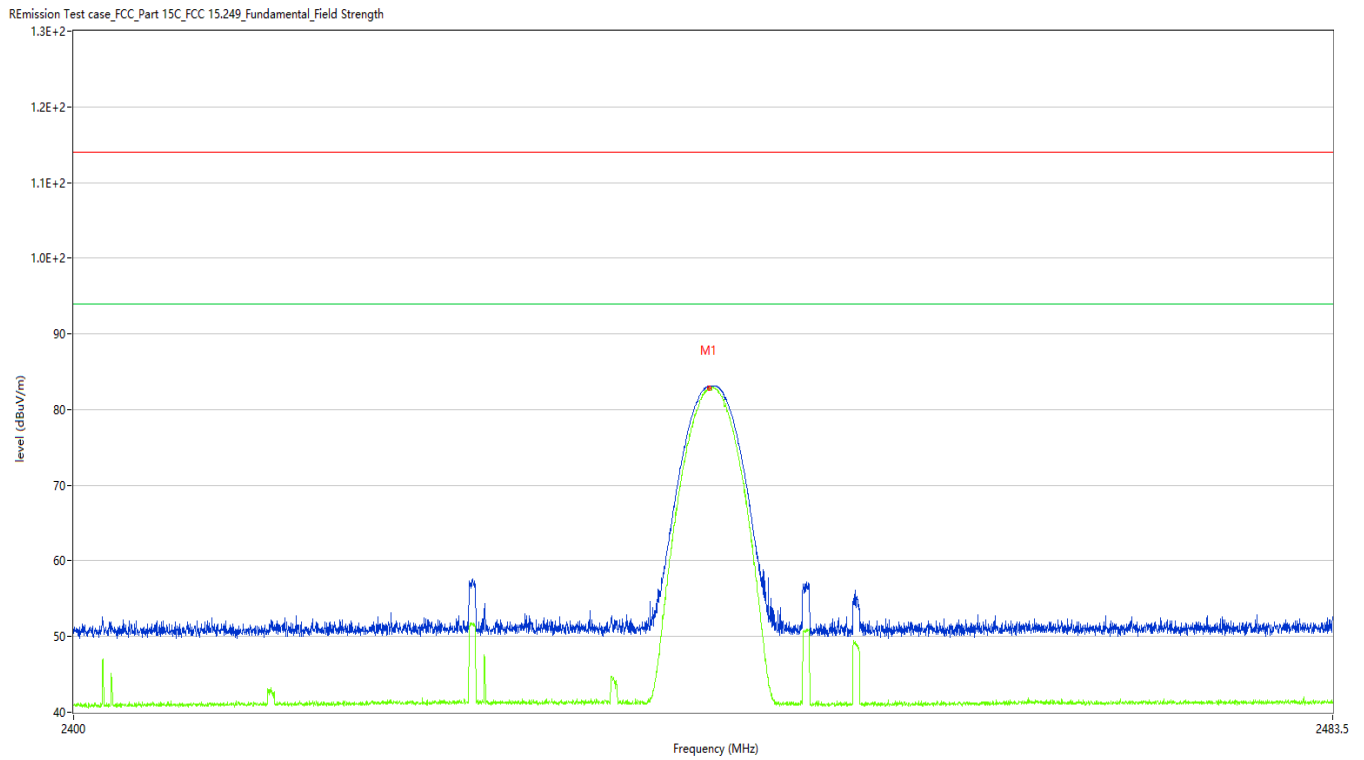
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Figure 4: Test plots of Field strength of fundamental, 2442MHz, Vertical polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2441.823	83.16	-9.61	114.0	-30.84	Peak	236.80	100	Vertical	Pass
1**	2441.823	82.84	-9.61	94.0	-11.16	AV	236.80	100	Vertical	Pass

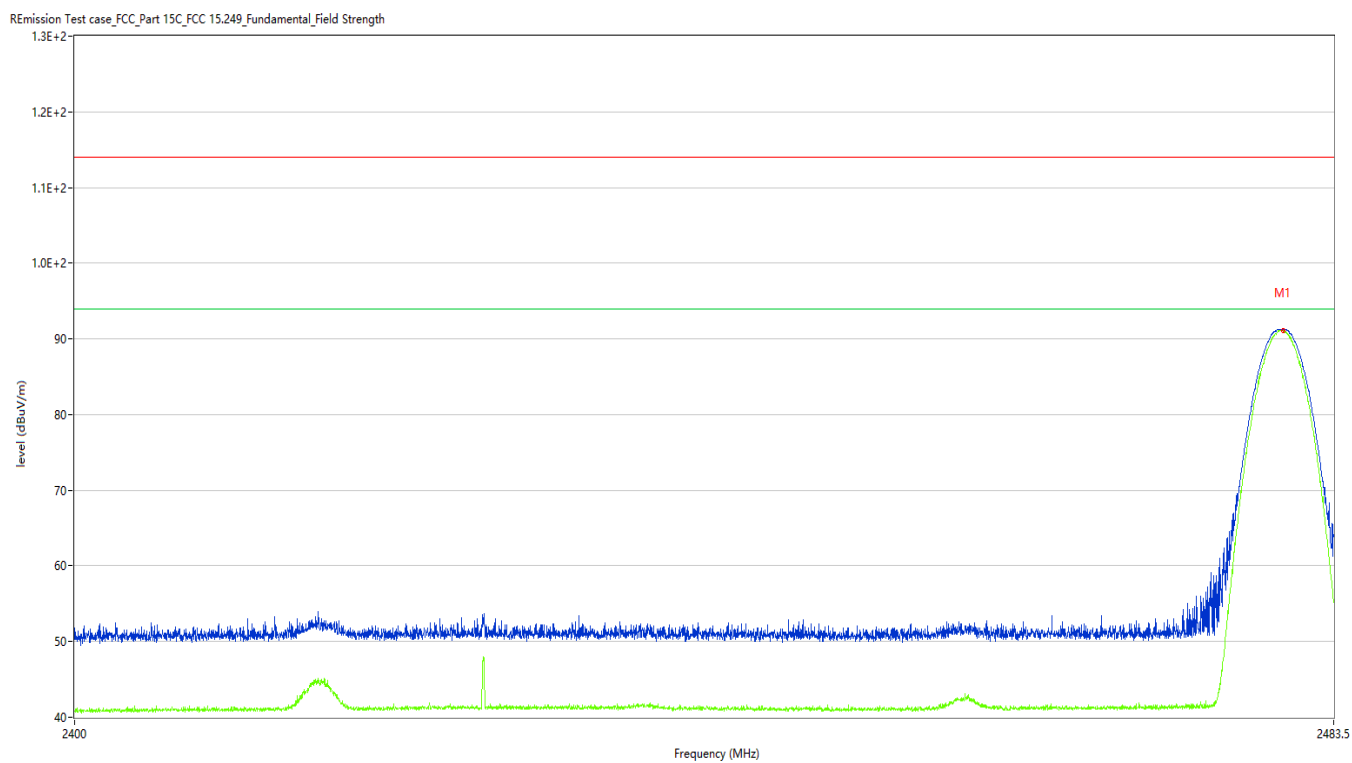
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Figure 5: Test plots of Field strength of fundamental, 2480MHz, Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2480.119	91.28	-9.48	114.0	-22.72	Peak	128.50	100	Horizontal	Pass
1**	2480.119	91.09	-9.48	94.0	-2.91	AV	128.50	100	Horizontal	Pass

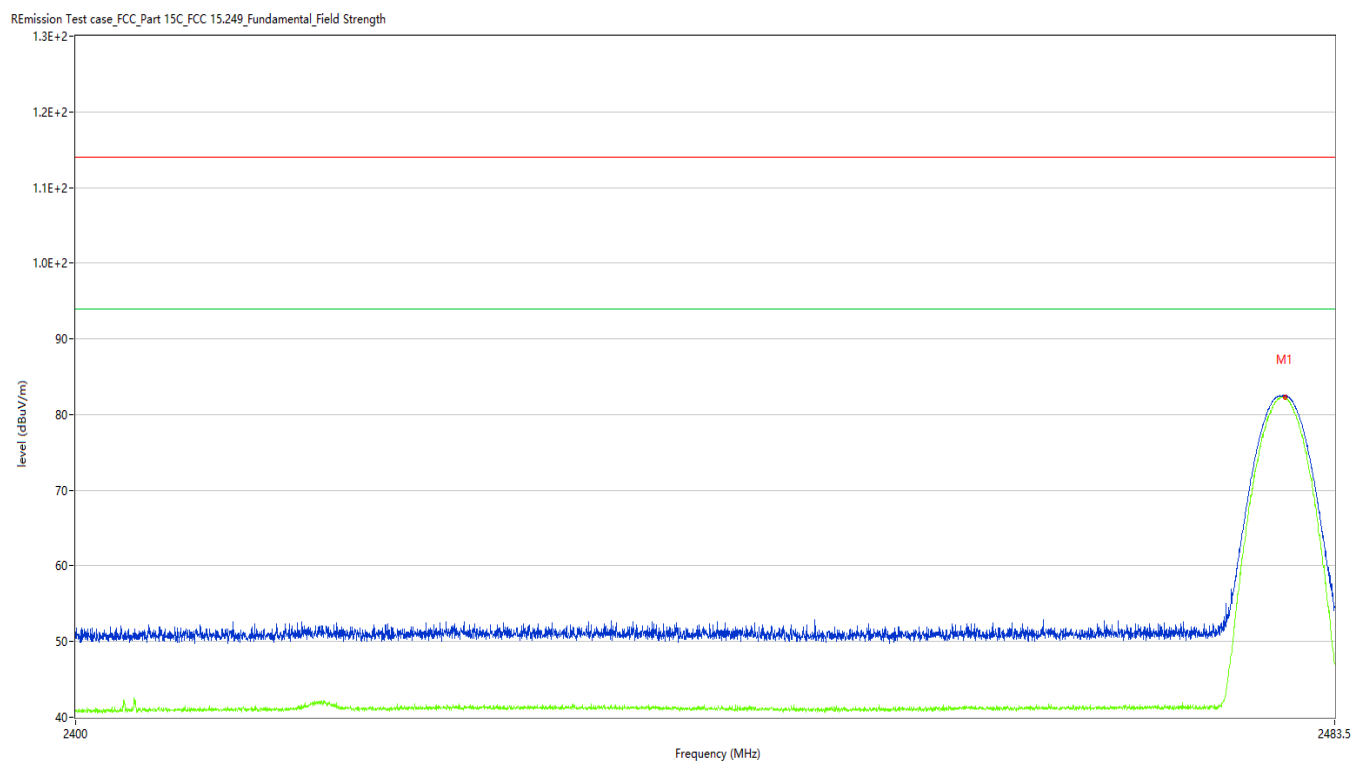
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Figure 6: Test plots of Field strength of fundamental, 2480MHz, Vertical polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2480.182	82.53	-9.48	114.0	-31.47	Peak	231.10	100	Vertical	Pass
1**	2480.182	82.23	-9.48	94.0	-11.77	AV	231.10	100	Vertical	Pass

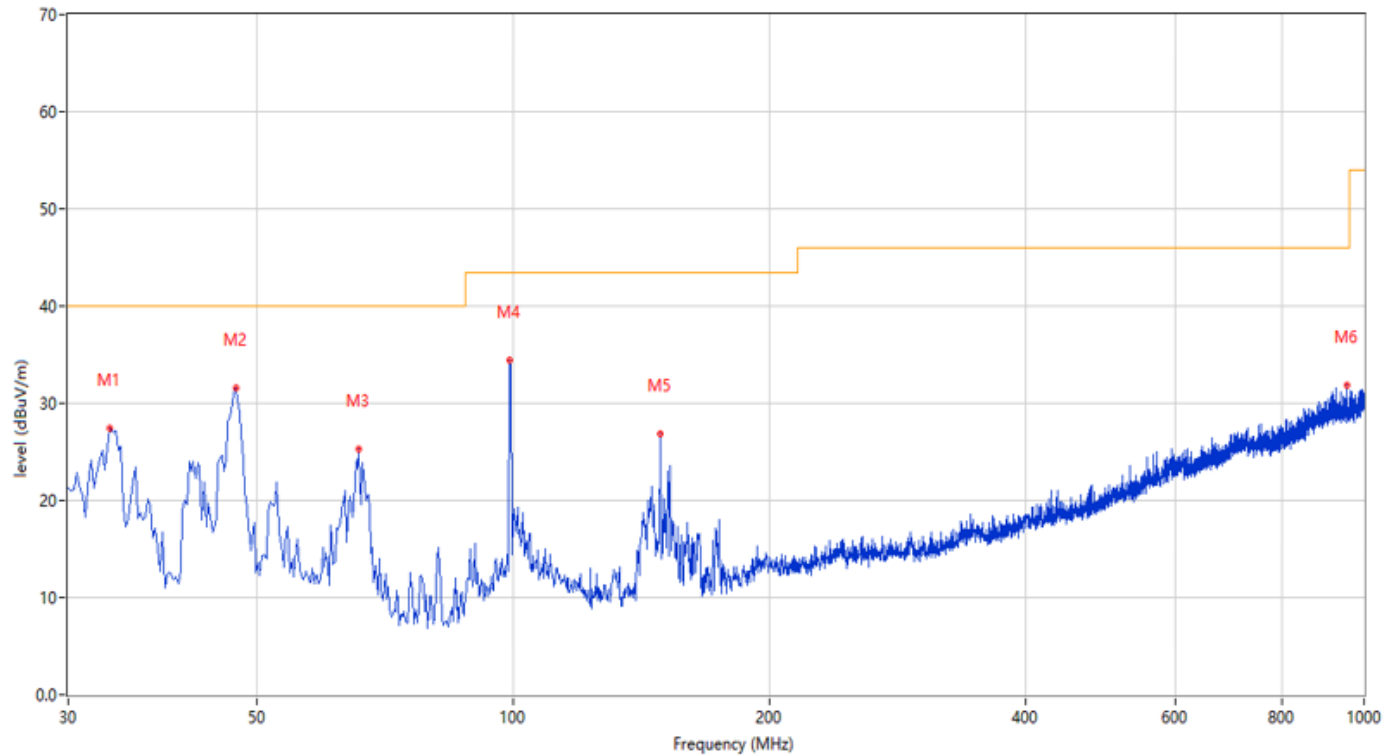
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Figure 7: Test plots of Field strength of harmonics, 2403MHz, 30MHz-1GHz, Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	33.637	27.39	-28.53	40.0	-12.61	Peak	0.00	200	Horizontal	Pass
2	47.213	31.57	-25.14	40.0	-8.43	Peak	123.20	200	Horizontal	Pass
3	65.881	25.31	-27.95	40.0	-14.69	Peak	0.00	200	Horizontal	Pass
4	99.095	34.46	-26.71	43.5	-9.04	Peak	21.20	200	Horizontal	Pass
5	148.795	26.84	-29.97	43.5	-16.66	Peak	131.70	150	Horizontal	Pass
6	954.906	31.86	-9.33	46.0	-14.14	Peak	360.00	150	Horizontal	Pass

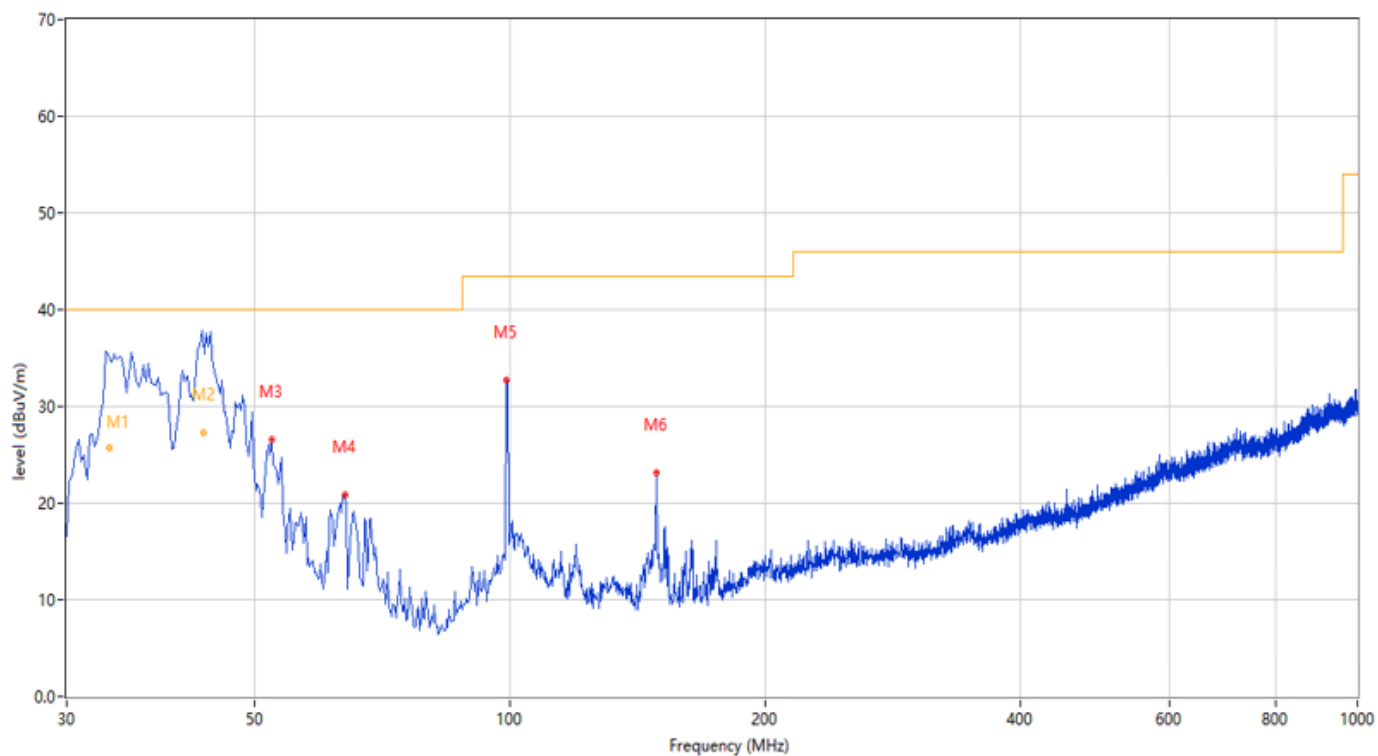
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Figure 8: Test plots of Field strength of harmonics, 2403MHz, 30MHz-1GHz, Vertical polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	33.639	37.46	-28.62	40.0	-2.54	Peak	116.20	100	Vertical	Pass
1*	33.639	25.69	-28.62	40.0	-14.31	QP	116.20	100	Vertical	Pass
2*	43.448	27.23	-25.44	40.0	-12.77	QP	310.50	120	Vertical	Pass
3	52.304	26.63	-25.10	40.0	-13.37	Peak	0.00	200	Vertical	Pass
4	63.942	20.85	-27.34	40.0	-19.15	Peak	145.90	200	Vertical	Pass
5	99.095	32.68	-26.71	43.5	-10.82	Peak	107.30	100	Vertical	Pass
6	148.795	23.17	-29.97	43.5	-20.33	Peak	197.40	100	Vertical	Pass

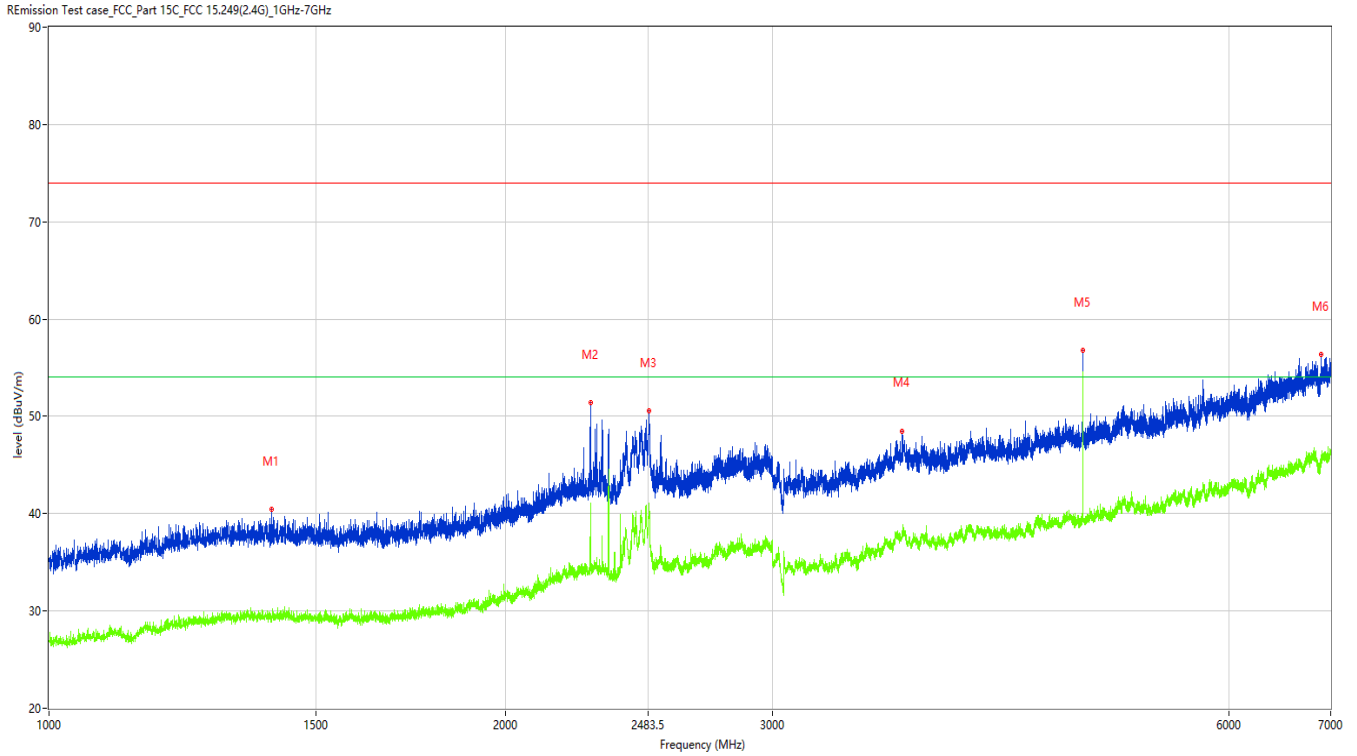
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Figure 9: Test plots of Field strength of harmonics, 2403MHz, 1GHz-7GHz, Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1401.200	40.41	-12.77	74.0	-33.59	Peak	360.00	100	Horizontal	Pass
1**	1401.200	29.48	-12.77	54.0	-24.52	AV	360.00	100	Horizontal	Pass
2	2274.841	51.40	-7.38	74.0	-22.60	Peak	175.40	100	Horizontal	Pass
2**	2274.841	41.07	-7.38	54.0	-12.93	AV	175.40	100	Horizontal	Pass
3	2486.814	50.55	-1.90	74.0	-23.45	Peak	359.90	100	Horizontal	Pass
3**	2486.814	40.26	-1.90	54.0	-13.74	AV	359.90	100	Horizontal	Pass
4	3650.419	48.52	-1.57	74.0	-25.48	Peak	294.90	100	Horizontal	Pass
4**	3650.419	37.84	-1.57	54.0	-16.16	AV	294.90	100	Horizontal	Pass
5	4805.274	56.79	-0.55	74.0	-17.21	Peak	81.00	100	Horizontal	Pass
5**	4805.274	52.65	-0.55	54.0	-1.35	AV	81.00	100	Horizontal	Pass
6	6903.012	56.33	5.08	74.0	-17.67	Peak	9.20	100	Horizontal	Pass
6**	6903.012	45.43	5.08	54.0	-8.57	AV	9.20	100	Horizontal	Pass

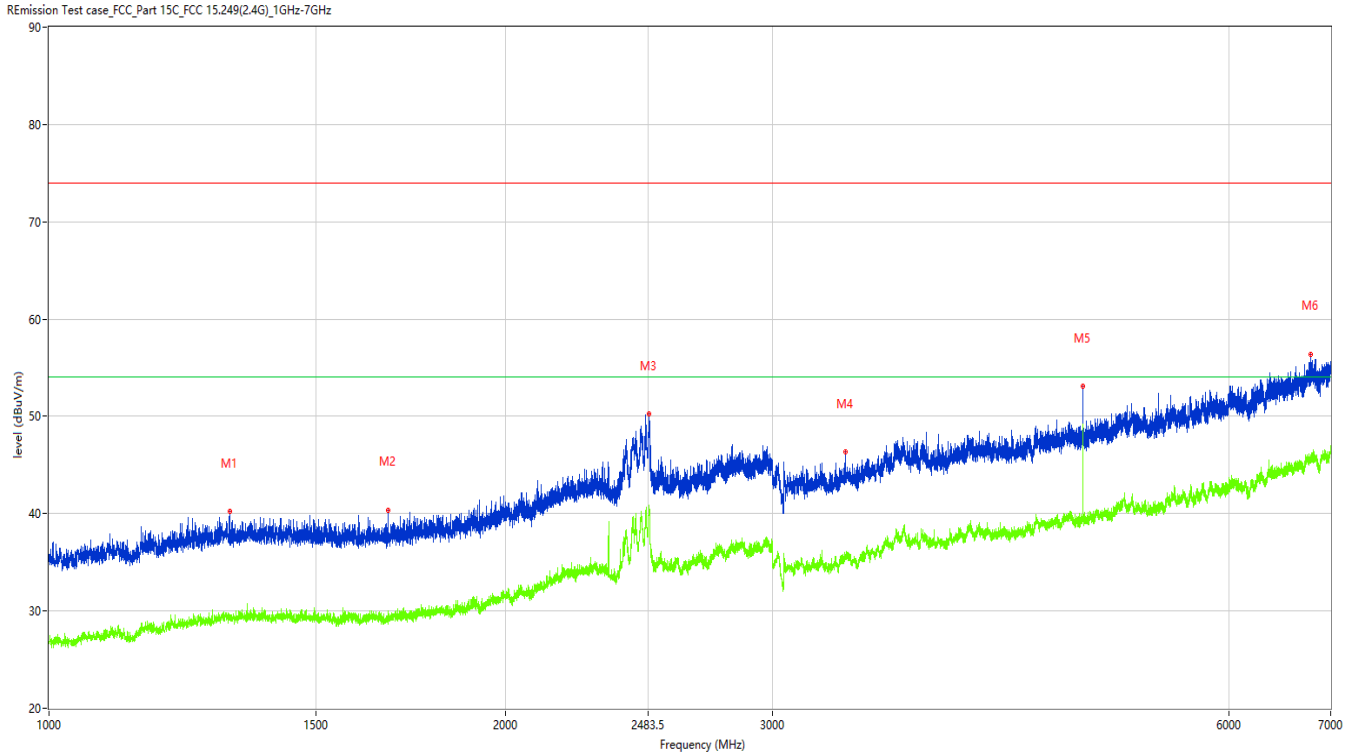
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Figure 10: Test plots of Field strength of harmonics, 2403MHz, 1GHz-7GHz, Vertical polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1315.711	40.19	-12.80	74.0	-33.81	Peak	275.40	100	Vertical	Pass
1**	1315.711	29.20	-12.80	54.0	-24.80	AV	275.40	100	Vertical	Pass
2	1673.166	40.39	-13.08	74.0	-33.61	Peak	27.60	100	Vertical	Pass
2**	1673.166	29.11	-13.08	54.0	-24.89	AV	27.60	100	Vertical	Pass
3	2486.314	50.26	-1.91	74.0	-23.74	Peak	9.70	100	Vertical	Pass
3**	2486.314	40.88	-1.91	54.0	-13.12	AV	9.70	100	Vertical	Pass
4	3351.456	46.35	-4.09	74.0	-27.65	Peak	24.90	100	Vertical	Pass
4**	3351.456	35.41	-4.09	54.0	-18.59	AV	24.90	100	Vertical	Pass
5	4806.274	53.10	-0.54	74.0	-20.90	Peak	332.60	100	Vertical	Pass
5**	4806.274	46.43	-0.54	54.0	-7.57	AV	332.60	100	Vertical	Pass
6	6793.526	56.42	5.18	74.0	-17.58	Peak	6.40	100	Vertical	Pass
6**	6793.526	45.39	5.18	54.0	-8.61	AV	6.40	100	Vertical	Pass

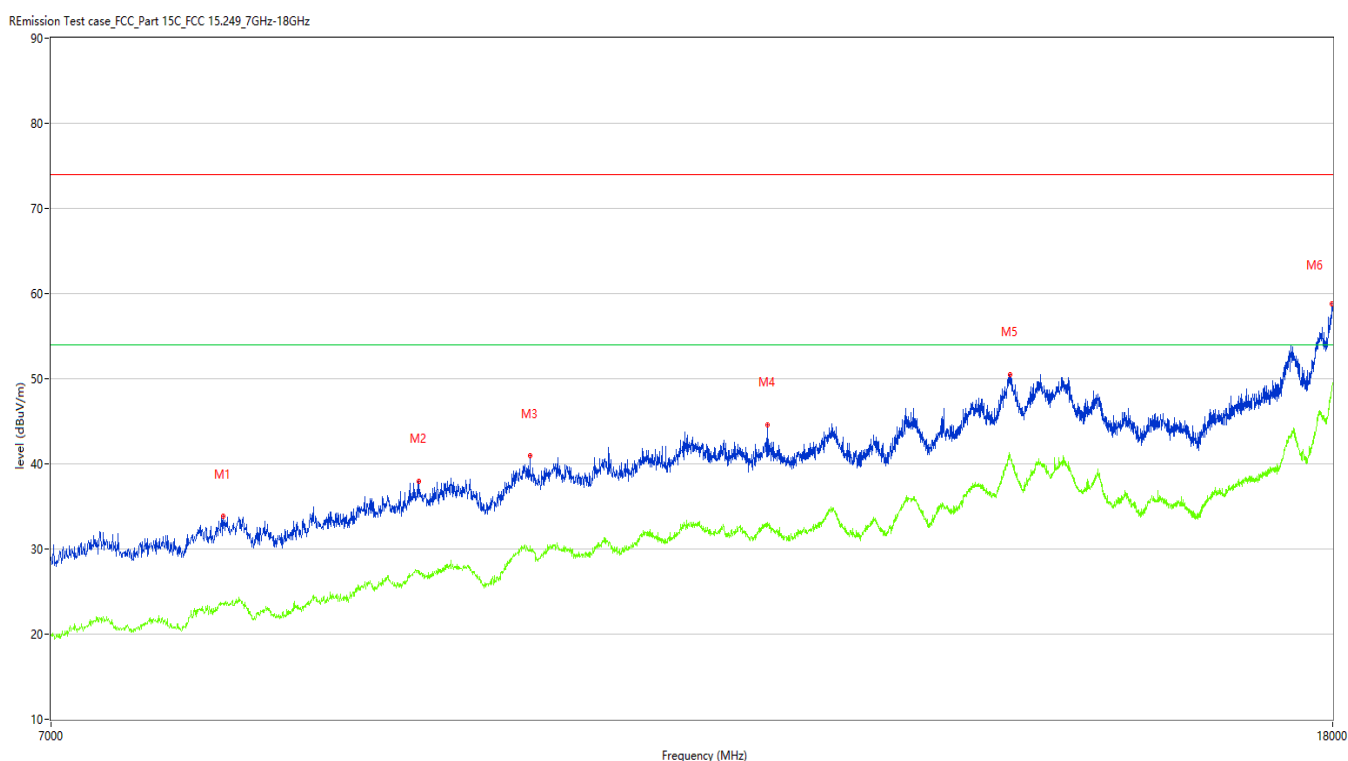
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Figure 11: Test plots of Field strength of harmonics, 2403MHz, 7GHz-18GHz, Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	7945.764	33.83	3.33	74.0	-40.17	Peak	359.60	100	Horizontal	Pass
1**	7945.764	23.59	3.33	54.0	-30.41	AV	359.60	100	Horizontal	Pass
2	9180.205	37.93	7.15	74.0	-36.07	Peak	1.10	100	Horizontal	Pass
2**	9180.205	27.52	7.15	54.0	-26.48	AV	1.10	100	Horizontal	Pass
3	9963.759	40.95	9.57	74.0	-33.05	Peak	172.40	100	Horizontal	Pass
3**	9963.759	30.37	9.57	54.0	-23.63	AV	172.40	100	Horizontal	Pass
4	11871.782	44.59	12.02	74.0	-29.41	Peak	284.00	100	Horizontal	Pass
4**	11871.782	33.10	12.02	54.0	-20.90	AV	284.00	100	Horizontal	Pass
5	14192.202	50.48	19.67	74.0	-23.52	Peak	205.10	100	Horizontal	Pass
5**	14192.202	41.04	19.67	54.0	-12.96	AV	205.10	100	Horizontal	Pass
6	17991.752	58.85	27.41	74.0	-15.15	Peak	359.60	100	Horizontal	Pass
6**	17991.752	48.82	27.41	54.0	-5.18	AV	359.60	100	Horizontal	Pass

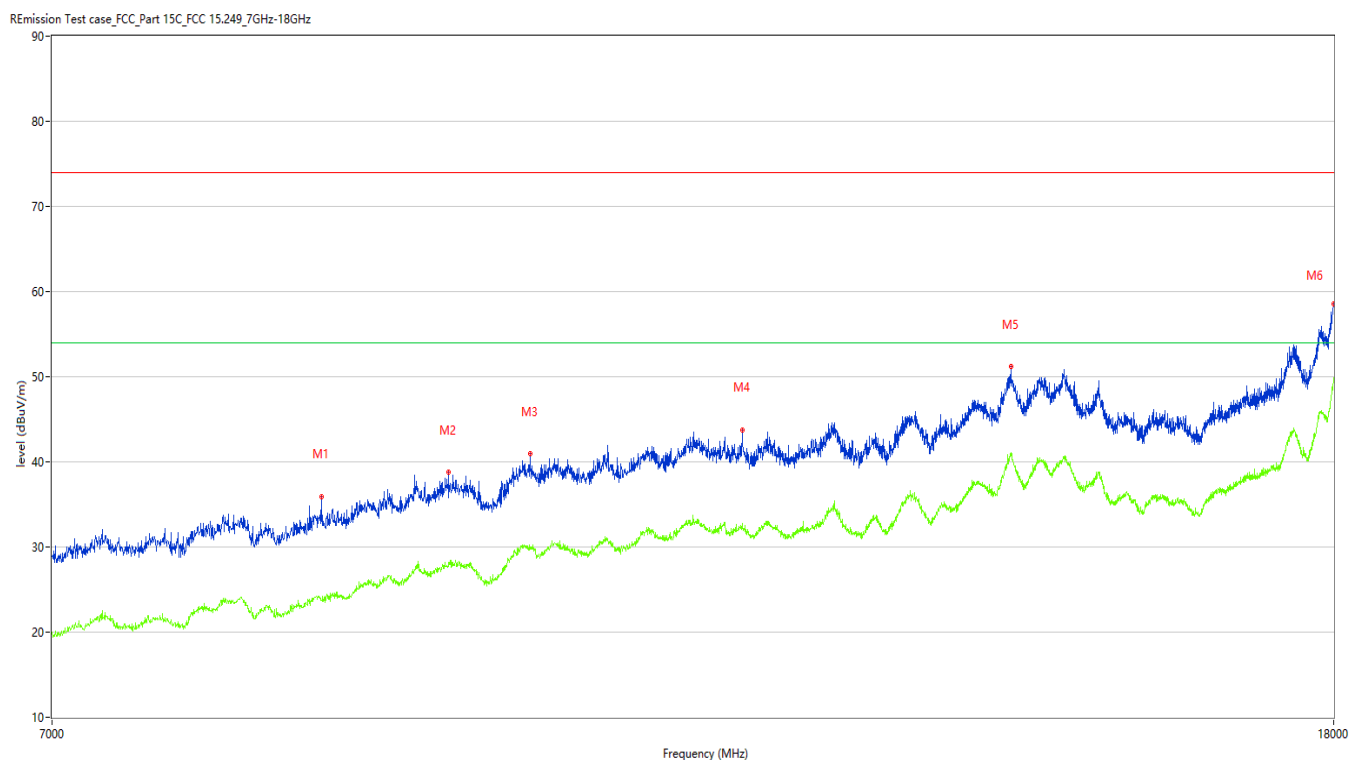
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Figure 12: Test plots of Field strength of harmonics, 2403MHz, 7GHz-18GHz, Vertical polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	8536.866	35.96	3.88	74.0	-38.04	Peak	89.80	100	Vertical	Pass
1**	8536.866	23.77	3.88	54.0	-30.23	AV	89.80	100	Vertical	Pass
2	9375.406	38.74	7.63	74.0	-35.26	Peak	16.80	100	Vertical	Pass
2**	9375.406	28.12	7.63	54.0	-25.88	AV	16.80	100	Vertical	Pass
3	9955.511	40.95	9.64	74.0	-33.05	Peak	250.50	100	Vertical	Pass
3**	9955.511	29.93	9.64	54.0	-24.07	AV	250.50	100	Vertical	Pass
4	11640.840	43.76	11.14	74.0	-30.24	Peak	0.00	100	Vertical	Pass
4**	11640.840	32.77	11.14	54.0	-21.23	AV	0.00	100	Vertical	Pass
5	14189.453	51.20	19.73	74.0	-22.80	Peak	22.40	100	Vertical	Pass
5**	14189.453	41.03	19.73	54.0	-12.97	AV	22.40	100	Vertical	Pass
6	17994.501	58.52	27.58	74.0	-15.48	Peak	219.30	100	Vertical	Pass
6**	17994.501	49.36	27.58	54.0	-4.64	AV	219.30	100	Vertical	Pass

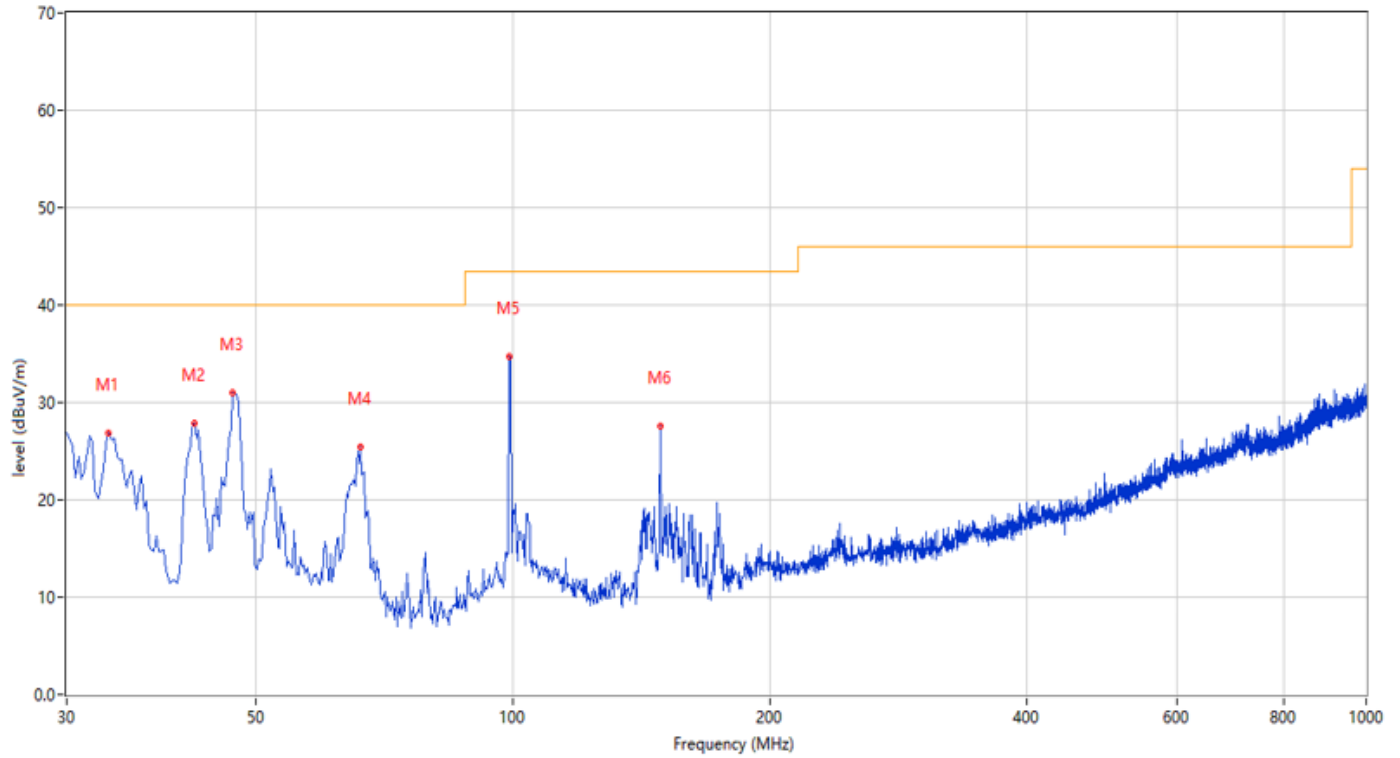
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Figure 13: Test plots of Field strength of harmonics, 2442MHz, 30MHz-1GHz, Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	33.637	26.84	-28.53	40.0	-13.16	Peak	360.00	200	Horizontal	Pass
2	42.364	27.81	-25.63	40.0	-12.19	Peak	91.30	150	Horizontal	Pass
3	46.971	30.99	-25.15	40.0	-9.01	Peak	231.40	150	Horizontal	Pass
4	66.366	25.40	-28.11	40.0	-14.60	Peak	360.00	200	Horizontal	Pass
5	99.095	34.65	-26.71	43.5	-8.85	Peak	27.40	200	Horizontal	Pass
6	148.795	27.54	-29.97	43.5	-15.96	Peak	140.80	150	Horizontal	Pass

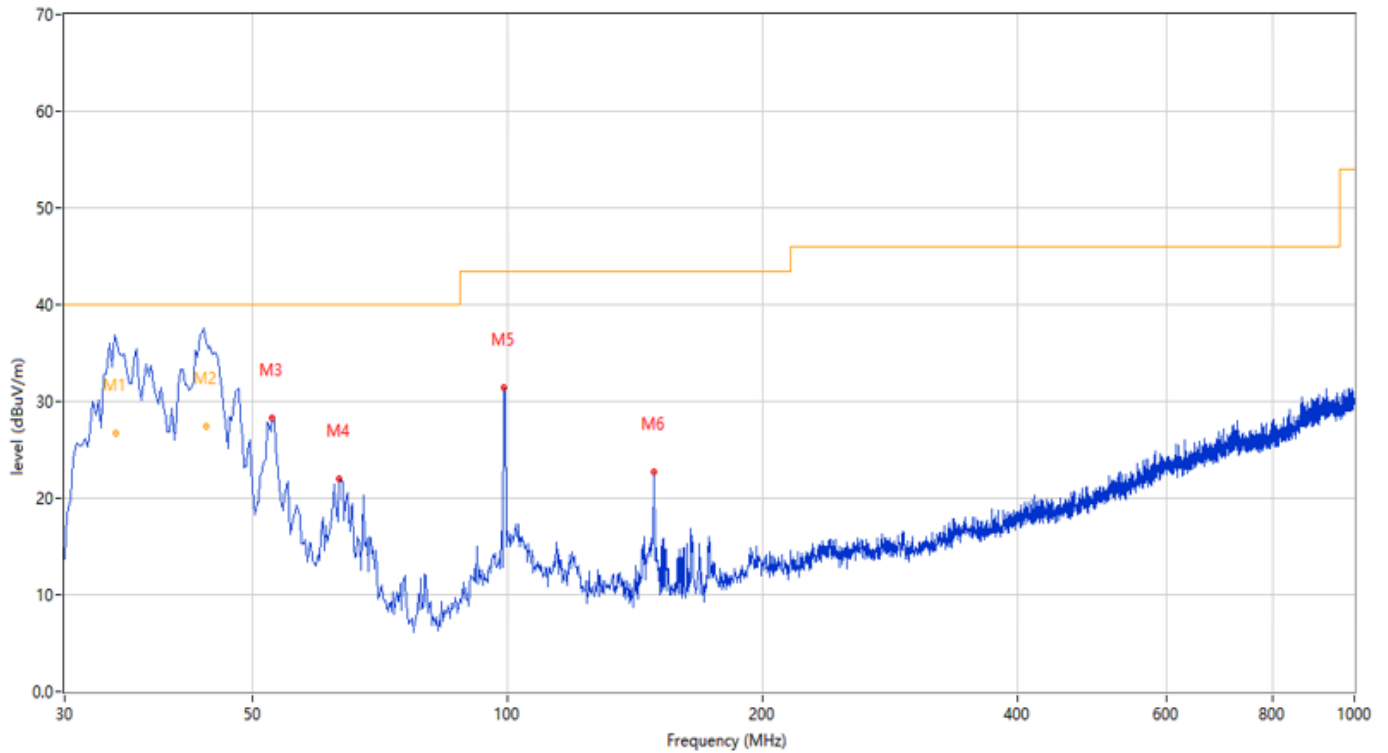
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Figure 14: Test plots of Field strength of harmonics, 2442MHz, 30MHz-1GHz, Vertical polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	34.526	37.82	-28.28	40.0	-2.18	Peak	247.20	114	Vertical	Pass
1*	34.526	26.65	-28.28	40.0	-13.35	QP	247.20	114	Vertical	Pass
2	44.058	39.62	-25.37	40.0	-0.38	Peak	265.80	124	Vertical	Pass
2*	44.058	27.46	-25.37	40.0	-12.54	QP	265.80	124	Vertical	Pass
3	52.789	28.36	-25.13	40.0	-11.64	Peak	72.30	100	Vertical	Pass
4	63.214	21.94	-27.11	40.0	-18.06	Peak	180.90	150	Vertical	Pass
5	99.095	31.41	-26.71	43.5	-12.09	Peak	130.70	100	Vertical	Pass
6	148.795	22.76	-29.97	43.5	-20.74	Peak	195.10	200	Vertical	Pass

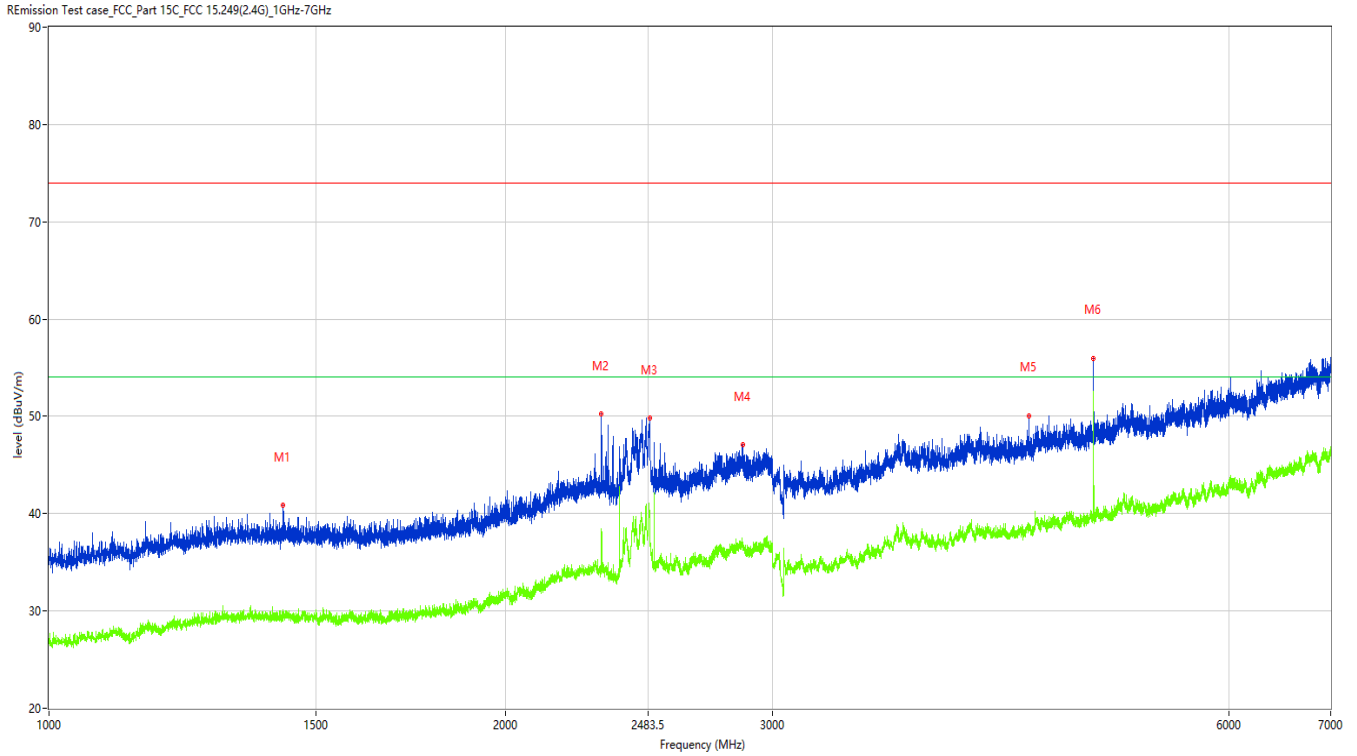
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Figure 15: Test plots of Field strength of harmonics, 2442MHz, 1GHz-7GHz, Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1427.197	40.86	-12.63	74.0	-33.14	Peak	191.60	100	Horizontal	Pass
1**	1427.197	29.29	-12.63	54.0	-24.71	AV	191.60	100	Horizontal	Pass
2	2313.836	50.25	-7.34	74.0	-23.75	Peak	164.80	100	Horizontal	Pass
2**	2313.836	38.41	-7.34	54.0	-15.59	AV	164.80	100	Horizontal	Pass
3	2488.314	49.83	-1.88	74.0	-24.17	Peak	33.80	100	Horizontal	Pass
3**	2488.314	40.33	-1.88	54.0	-13.67	AV	33.80	100	Horizontal	Pass
4	2867.517	47.05	-3.80	74.0	-26.95	Peak	297.30	100	Horizontal	Pass
4**	2867.517	36.64	-3.80	54.0	-17.36	AV	297.30	100	Horizontal	Pass
5	4426.822	50.08	-0.99	74.0	-23.92	Peak	281.60	100	Horizontal	Pass
5**	4426.822	38.19	-0.99	54.0	-15.81	AV	281.60	100	Horizontal	Pass
6	4883.765	55.97	0.06	74.0	-18.03	Peak	81.80	100	Horizontal	Pass
6**	4883.765	52.55	0.06	54.0	-1.45	AV	81.80	100	Horizontal	Pass

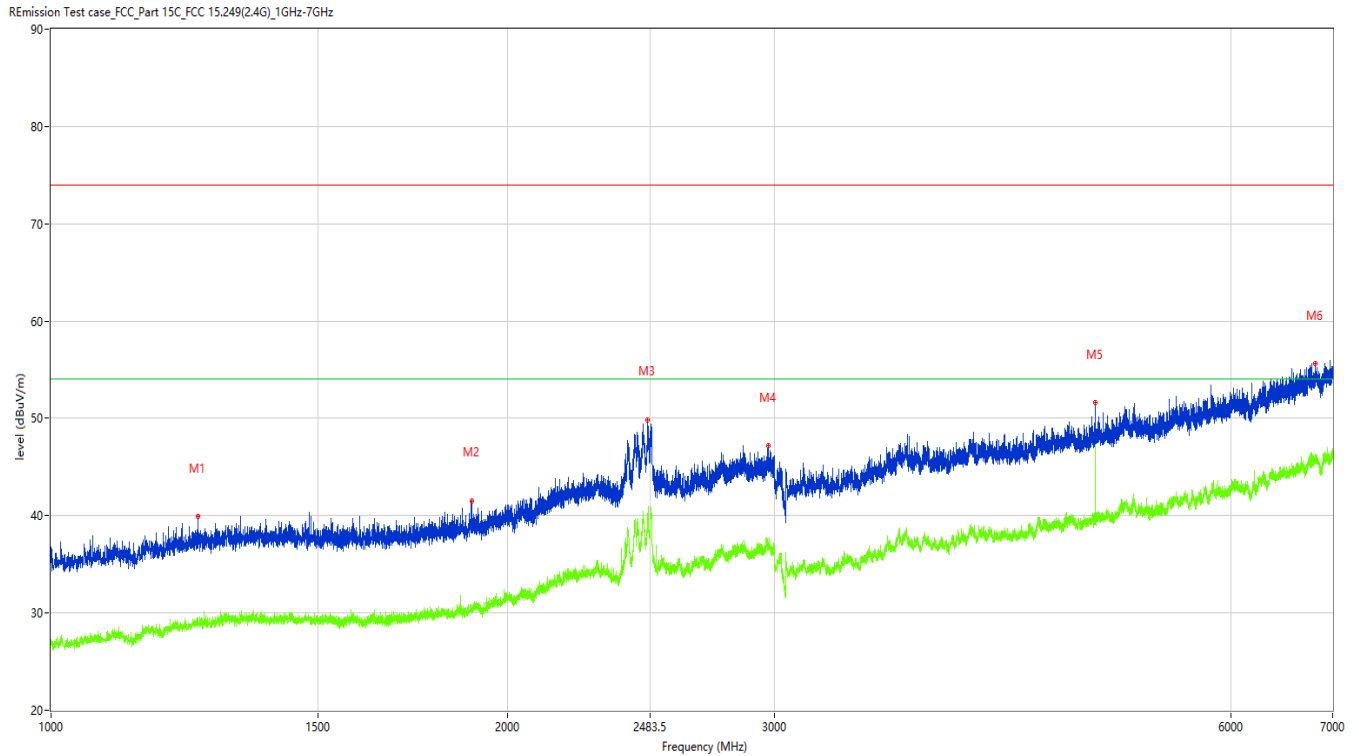
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Figure 16: Test plots of Field strength of harmonics, 2442MHz, 1GHz-7GHz, Vertical polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1250.219	39.92	-13.21	74.0	-34.08	Peak	331.60	100	Vertical	Pass
1**	1250.219	28.82	-13.21	54.0	-25.18	AV	331.60	100	Vertical	Pass
2	1894.638	41.55	-11.84	74.0	-32.45	Peak	100.90	100	Vertical	Pass
2**	1894.638	30.33	-11.84	54.0	-23.67	AV	100.90	100	Vertical	Pass
3	2475.066	49.87	-2.14	74.0	-24.13	Peak	358.90	100	Vertical	Pass
3**	2475.066	40.16	-2.14	54.0	-13.84	AV	358.90	100	Vertical	Pass
4	2972.253	47.20	-3.27	74.0	-26.80	Peak	304.80	100	Vertical	Pass
4**	2972.253	37.04	-3.27	54.0	-16.96	AV	304.80	100	Vertical	Pass
5	4883.765	51.61	0.06	74.0	-22.39	Peak	330.30	100	Vertical	Pass
5**	4883.765	47.29	0.06	54.0	-6.71	AV	330.30	100	Vertical	Pass
6	6818.523	55.61	5.11	74.0	-18.39	Peak	2.50	100	Vertical	Pass
6**	6818.523	46.35	5.11	54.0	-7.65	AV	2.50	100	Vertical	Pass

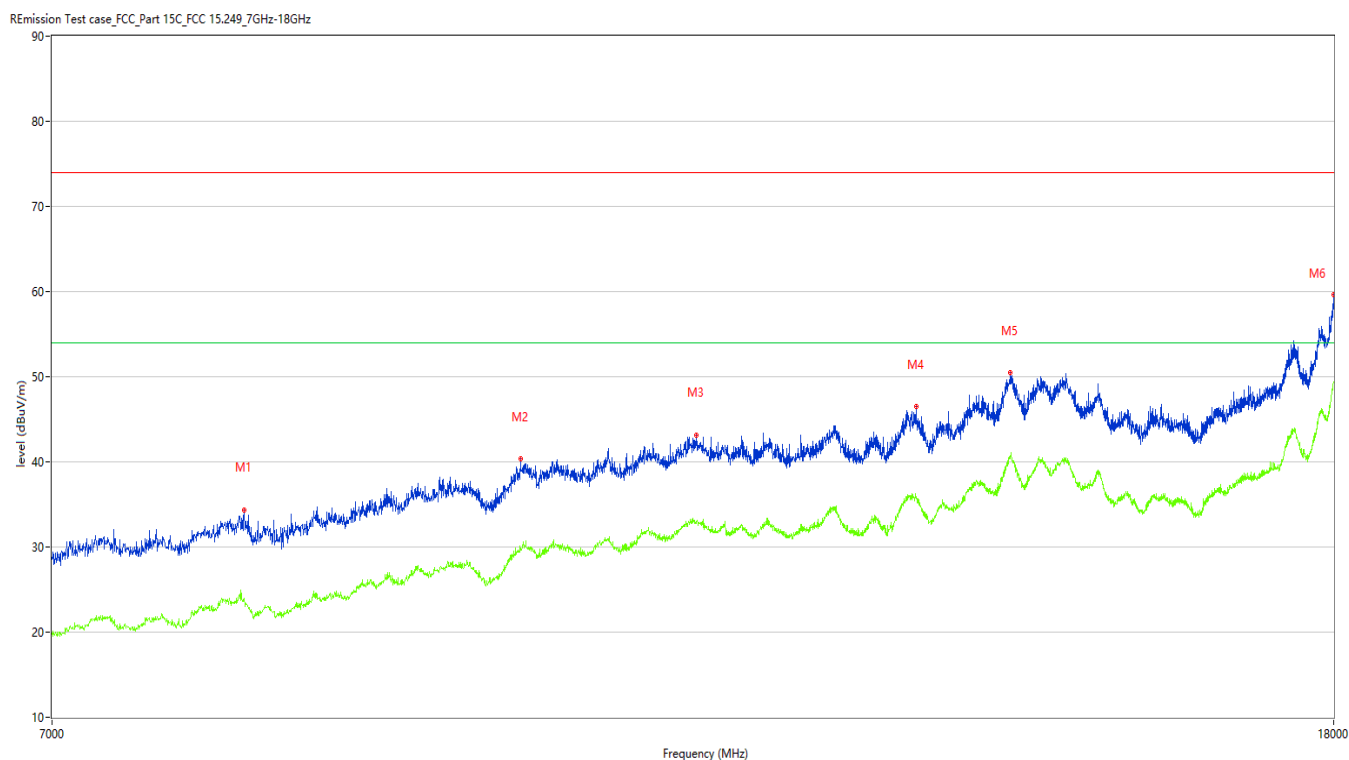
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Figure 17: Test plots of Field strength of harmonics, 2442MHz, 7GHz-18GHz, Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	8063.984	34.35	4.22	74.0	-39.65	Peak	287.70	100	Horizontal	Pass
1**	8063.984	23.96	4.22	54.0	-30.04	AV	287.70	100	Horizontal	Pass
2	9886.778	40.31	9.48	74.0	-33.69	Peak	8.30	100	Horizontal	Pass
2**	9886.778	29.73	9.48	54.0	-24.27	AV	8.30	100	Horizontal	Pass
3	11255.936	43.12	11.97	74.0	-30.88	Peak	147.80	100	Horizontal	Pass
3**	11255.936	32.99	11.97	54.0	-21.01	AV	147.80	100	Horizontal	Pass
4	13232.692	46.48	14.19	74.0	-27.52	Peak	143.30	100	Horizontal	Pass
4**	13232.692	35.65	14.19	54.0	-18.35	AV	143.30	100	Horizontal	Pass
5	14186.703	50.46	19.72	74.0	-23.54	Peak	310.10	100	Horizontal	Pass
5**	14186.703	40.54	19.72	54.0	-13.46	AV	310.10	100	Horizontal	Pass
6	18000.000	59.65	27.92	74.0	-14.35	Peak	54.80	100	Horizontal	Pass
6**	18000.000	49.45	27.92	54.0	-4.55	AV	54.80	100	Horizontal	Pass

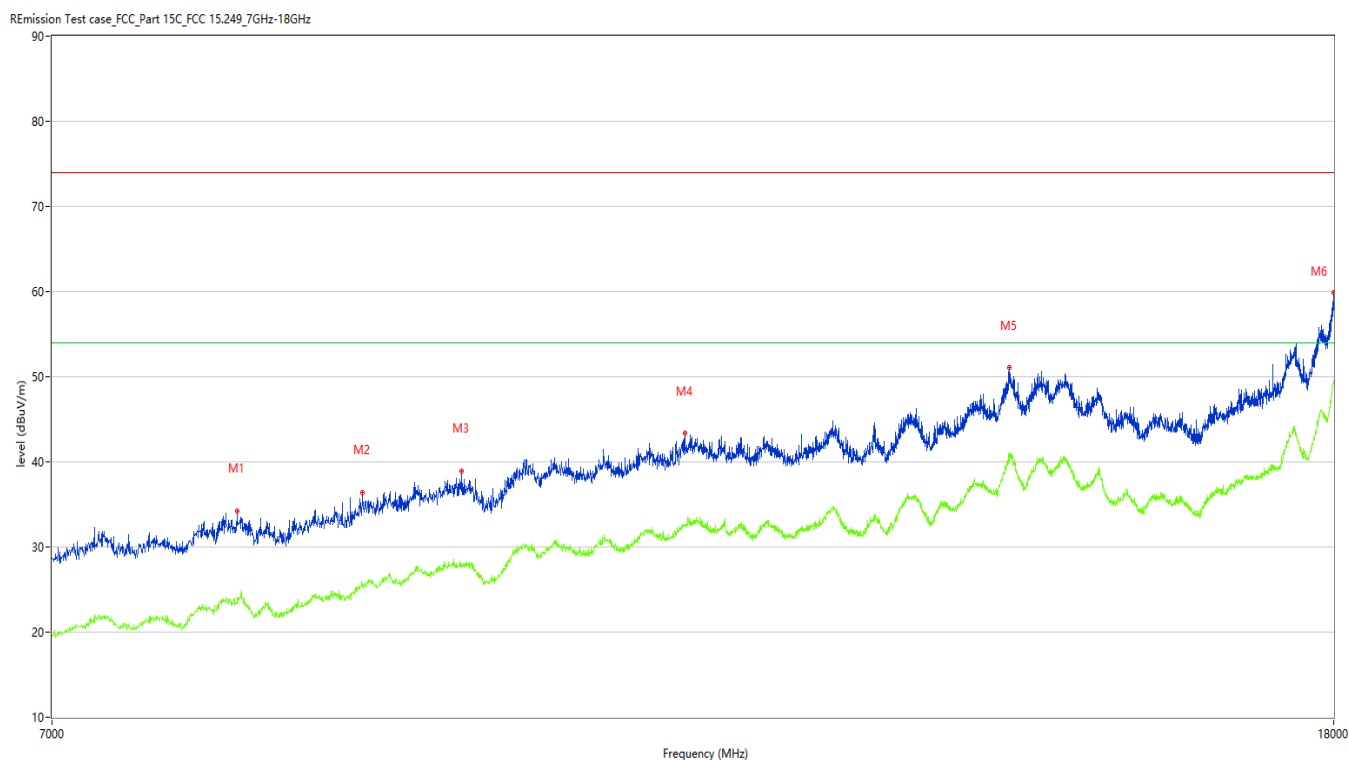
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Figure 18: Test plots of Field strength of harmonics, 2442MHz, 7GHz-18GHz, Vertical polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	8022.744	34.25	4.21	74.0	-39.75	Peak	350.60	100	Vertical	Pass
1**	8022.744	23.43	4.21	54.0	-30.57	AV	350.60	100	Vertical	Pass
2	8800.800	36.36	5.02	74.0	-37.64	Peak	24.20	100	Vertical	Pass
2**	8800.800	25.58	5.02	54.0	-28.42	AV	24.20	100	Vertical	Pass
3	9468.883	38.93	7.73	74.0	-35.07	Peak	259.40	100	Vertical	Pass
3**	9468.883	27.64	7.73	54.0	-26.36	AV	259.40	100	Vertical	Pass
4	11159.710	43.33	10.93	74.0	-30.67	Peak	359.70	100	Vertical	Pass
4**	11159.710	32.67	10.93	54.0	-21.33	AV	359.70	100	Vertical	Pass
5	14170.207	51.06	19.20	74.0	-22.94	Peak	65.20	100	Vertical	Pass
5**	14170.207	40.02	19.20	54.0	-13.98	AV	65.20	100	Vertical	Pass
6	18000.000	59.86	27.92	74.0	-14.14	Peak	65.20	100	Vertical	Pass
6**	18000.000	49.57	27.92	54.0	-4.43	AV	65.20	100	Vertical	Pass

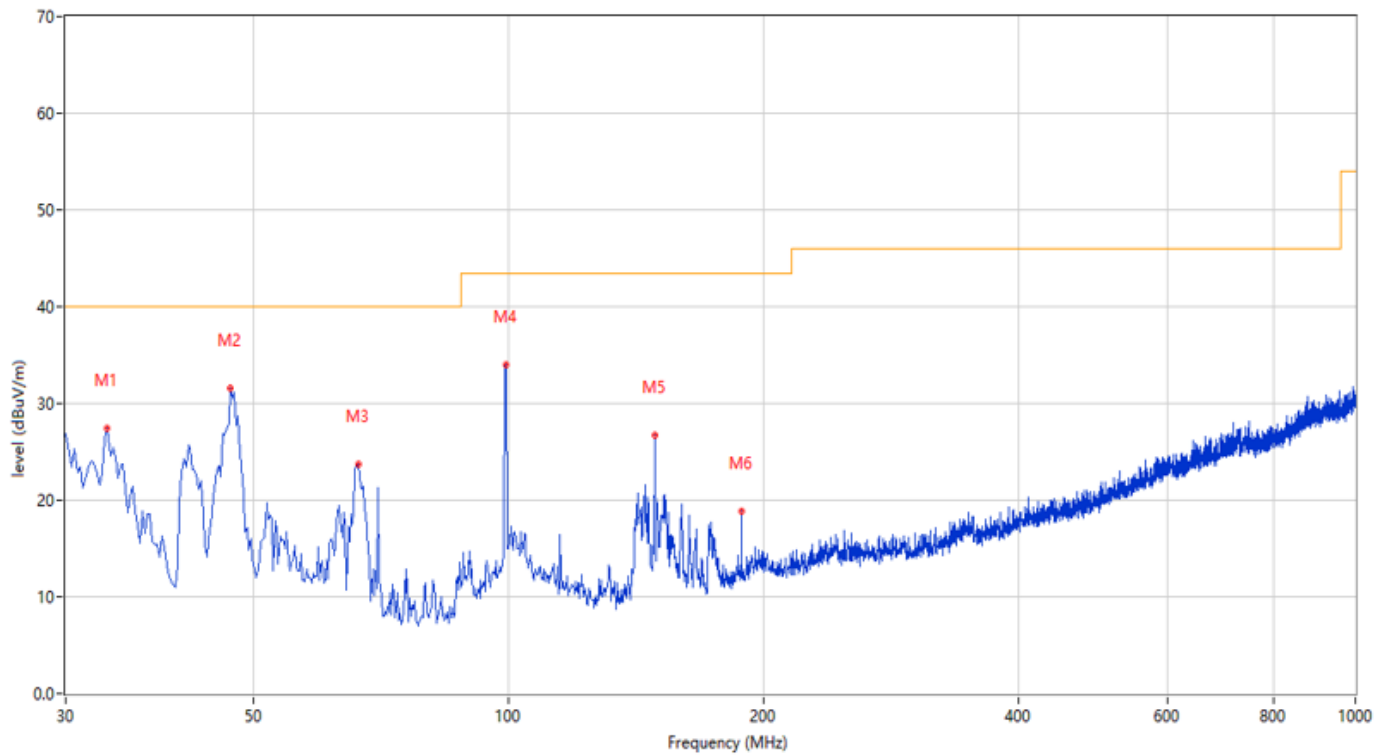
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Figure 19: Test plots of Field strength of harmonics, 2480MHz, 30MHz-1GHz, Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	33.637	27.36	-28.53	40.0	-12.64	Peak	177.30	150	Horizontal	Pass
2	46.971	31.53	-25.15	40.0	-8.47	Peak	145.30	150	Horizontal	Pass
3	66.608	23.73	-28.18	40.0	-16.27	Peak	0.00	150	Horizontal	Pass
4	99.338	34.03	-26.69	43.5	-9.47	Peak	360.00	200	Horizontal	Pass
5	149.038	26.68	-29.97	43.5	-16.82	Peak	131.90	150	Horizontal	Pass
6	188.555	18.86	-27.15	43.5	-24.64	Peak	165.30	100	Horizontal	Pass

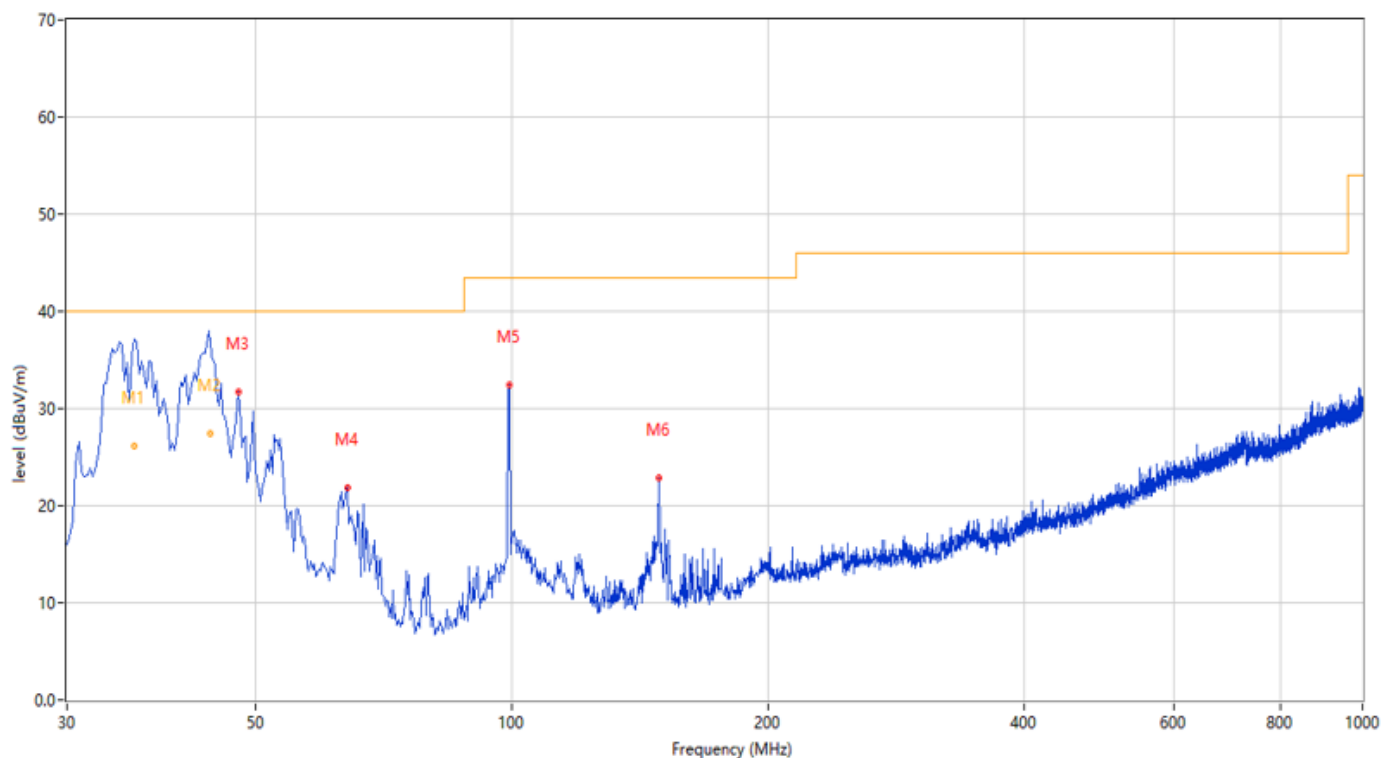
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Figure 20: Test plots of Field strength of harmonics, 2480MHz, 30MHz-1GHz, Vertical polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	36.008	38.73	-27.69	40.0	-1.27	Peak	107.40	100	Vertical	Pass
1*	36.008	26.16	-27.69	40.0	-13.84	QP	107.40	100	Vertical	Pass
2*	44.180	27.40	-25.35	40.0	-12.60	QP	241.00	102	Vertical	Pass
3	47.698	31.70	-25.12	40.0	-8.30	Peak	227.20	100	Vertical	Pass
4	64.184	21.90	-27.41	40.0	-18.10	Peak	0.00	150	Vertical	Pass
5	99.338	32.41	-26.69	43.5	-11.09	Peak	134.90	100	Vertical	Pass
6	148.795	22.80	-29.97	43.5	-20.70	Peak	186.50	150	Vertical	Pass

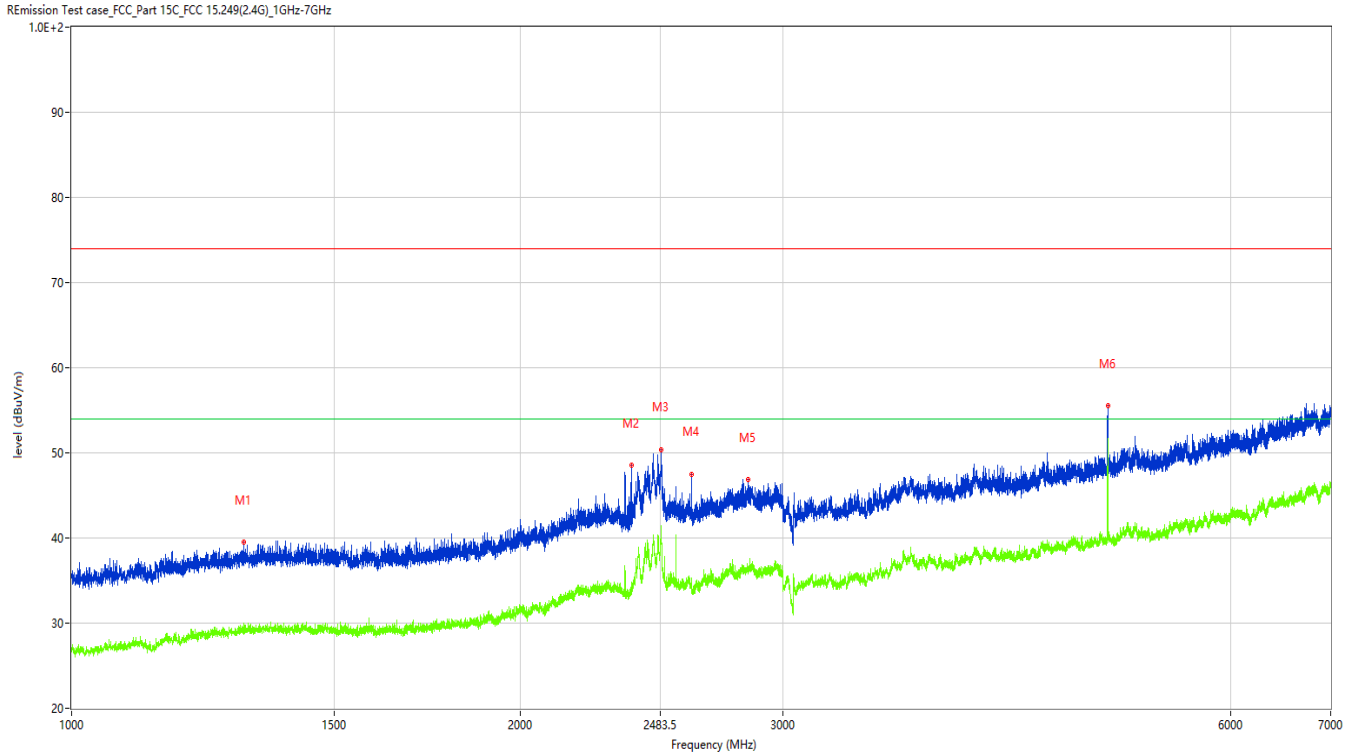
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Figure 21: Test plots of Field strength of harmonics, 2480MHz, 1GHz-7GHz, Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1305.712	39.49	-12.65	74.0	-34.51	Peak	134.40	100	Horizontal	Pass
1**	1305.712	29.99	-12.65	54.0	-24.01	AV	134.40	100	Horizontal	Pass
2	2374.828	48.52	-7.59	74.0	-25.48	Peak	314.90	100	Horizontal	Pass
2**	2374.828	34.81	-7.59	54.0	-19.19	AV	314.90	100	Horizontal	Pass
3	2487.564	50.36	-1.89	74.0	-23.64	Peak	332.80	100	Horizontal	Pass
3**	2487.564	40.05	-1.89	54.0	-13.95	AV	332.80	100	Horizontal	Pass
4	2607.799	47.53	-6.11	74.0	-26.47	Peak	162.40	100	Horizontal	Pass
4**	2607.799	35.30	-6.11	54.0	-18.70	AV	162.40	100	Horizontal	Pass
5	2846.769	46.88	-3.86	74.0	-27.12	Peak	172.00	100	Horizontal	Pass
5**	2846.769	36.58	-3.86	54.0	-17.42	AV	172.00	100	Horizontal	Pass
6	4959.255	55.51	0.22	74.0	-18.49	Peak	107.80	100	Horizontal	Pass
6**	4959.255	50.94	0.22	54.0	-3.06	AV	107.80	100	Horizontal	Pass

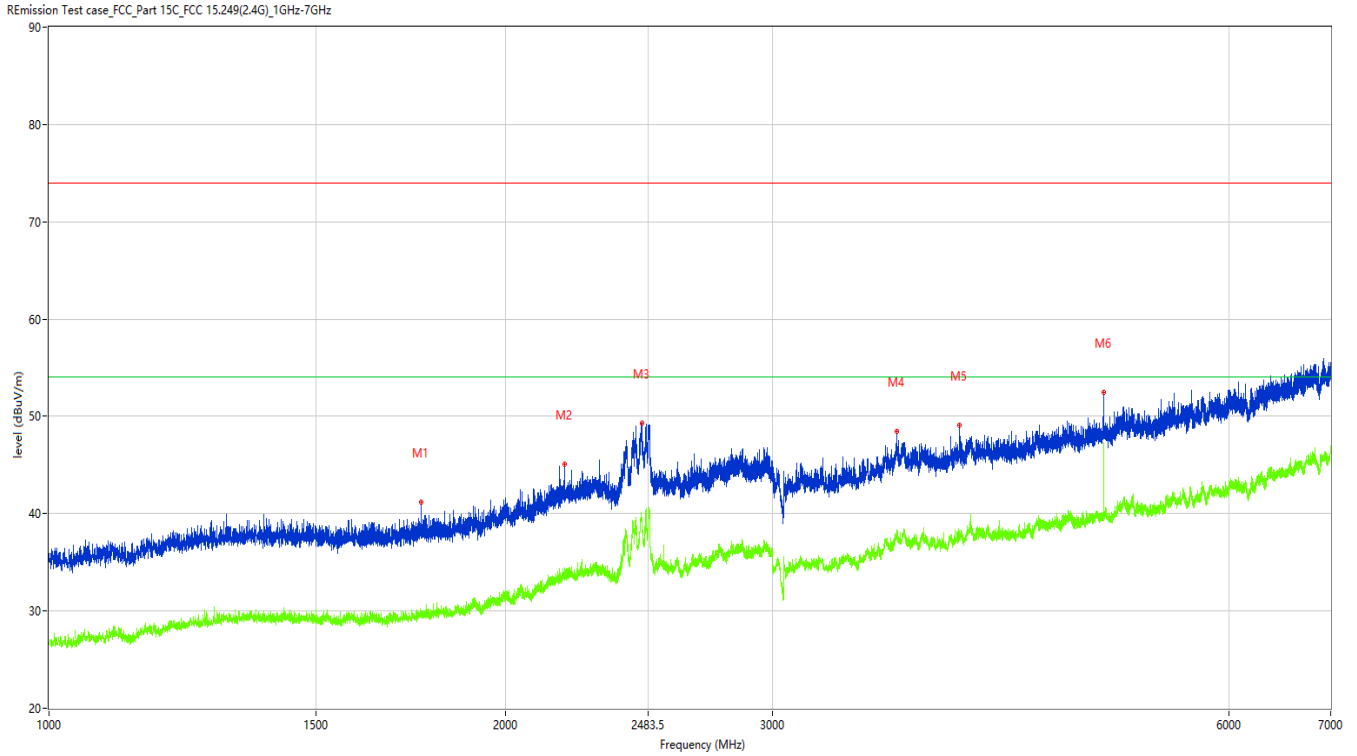
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Figure 22: Test plots of Field strength of harmonics, 2480MHz, 1GHz-7GHz, Vertical polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1758.905	41.20	-12.32	74.0	-32.80	Peak	137.40	100	Vertical	Pass
1**	1758.905	29.63	-12.32	54.0	-24.37	AV	137.40	100	Vertical	Pass
2	2186.352	45.14	-8.06	74.0	-28.86	Peak	147.80	100	Vertical	Pass
2**	2186.352	34.01	-8.06	54.0	-19.99	AV	147.80	100	Vertical	Pass
3	2459.568	49.32	-2.55	74.0	-24.68	Peak	61.50	100	Vertical	Pass
3**	2459.568	39.66	-2.55	54.0	-14.34	AV	61.50	100	Vertical	Pass
4	3621.922	48.49	-1.65	74.0	-25.51	Peak	197.20	100	Vertical	Pass
4**	3621.922	37.92	-1.65	54.0	-16.08	AV	197.20	100	Vertical	Pass
5	3983.877	49.13	-1.29	74.0	-24.87	Peak	341.20	100	Vertical	Pass
5**	3983.877	37.56	-1.29	54.0	-16.44	AV	341.20	100	Vertical	Pass
6	4959.255	52.50	0.22	74.0	-21.50	Peak	120.90	100	Vertical	Pass
6**	4959.255	46.25	0.22	54.0	-7.75	AV	120.90	100	Vertical	Pass

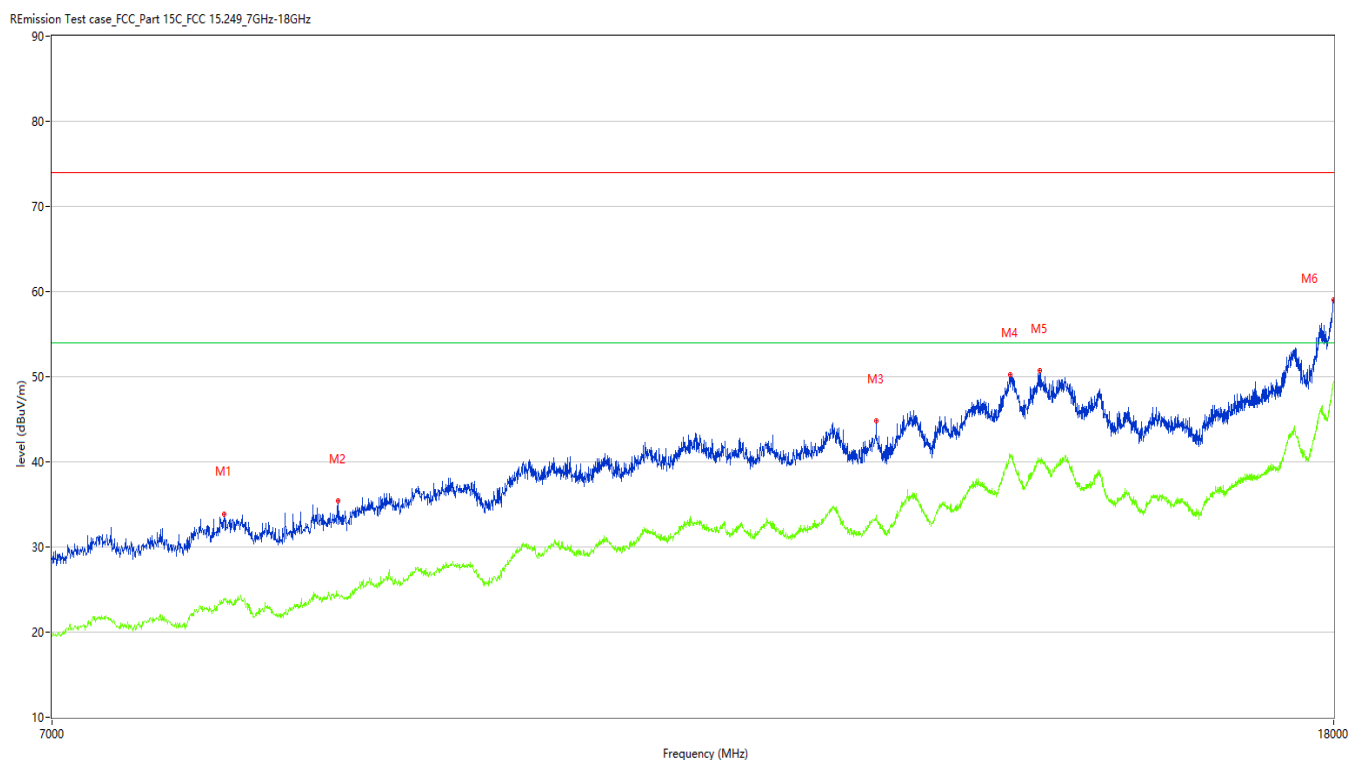
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Figure 23: Test plots of Field strength of harmonics, 2480MHz, 7GHz-18GHz, Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	7948.513	33.88	3.35	74.0	-40.12	Peak	359.30	100	Horizontal	Pass
1**	7948.513	23.69	3.35	54.0	-30.31	AV	359.30	100	Horizontal	Pass
2	8641.340	35.43	4.70	74.0	-38.57	Peak	73.40	100	Horizontal	Pass
2**	8641.340	24.43	4.70	54.0	-29.57	AV	73.40	100	Horizontal	Pass
3	12850.537	44.81	12.22	74.0	-29.19	Peak	16.50	100	Horizontal	Pass
3**	12850.537	33.78	12.22	54.0	-20.22	AV	16.50	100	Horizontal	Pass
4	14178.455	50.18	19.46	74.0	-23.82	Peak	202.90	100	Horizontal	Pass
4**	14178.455	40.67	19.46	54.0	-13.33	AV	202.90	100	Horizontal	Pass
5	14491.877	50.67	17.76	74.0	-23.33	Peak	73.40	100	Horizontal	Pass
5**	14491.877	40.01	17.76	54.0	-13.99	AV	73.40	100	Horizontal	Pass
6	17994.501	58.99	27.58	74.0	-15.01	Peak	225.60	100	Horizontal	Pass
6**	17994.501	49.24	27.58	54.0	-4.76	AV	225.60	100	Horizontal	Pass

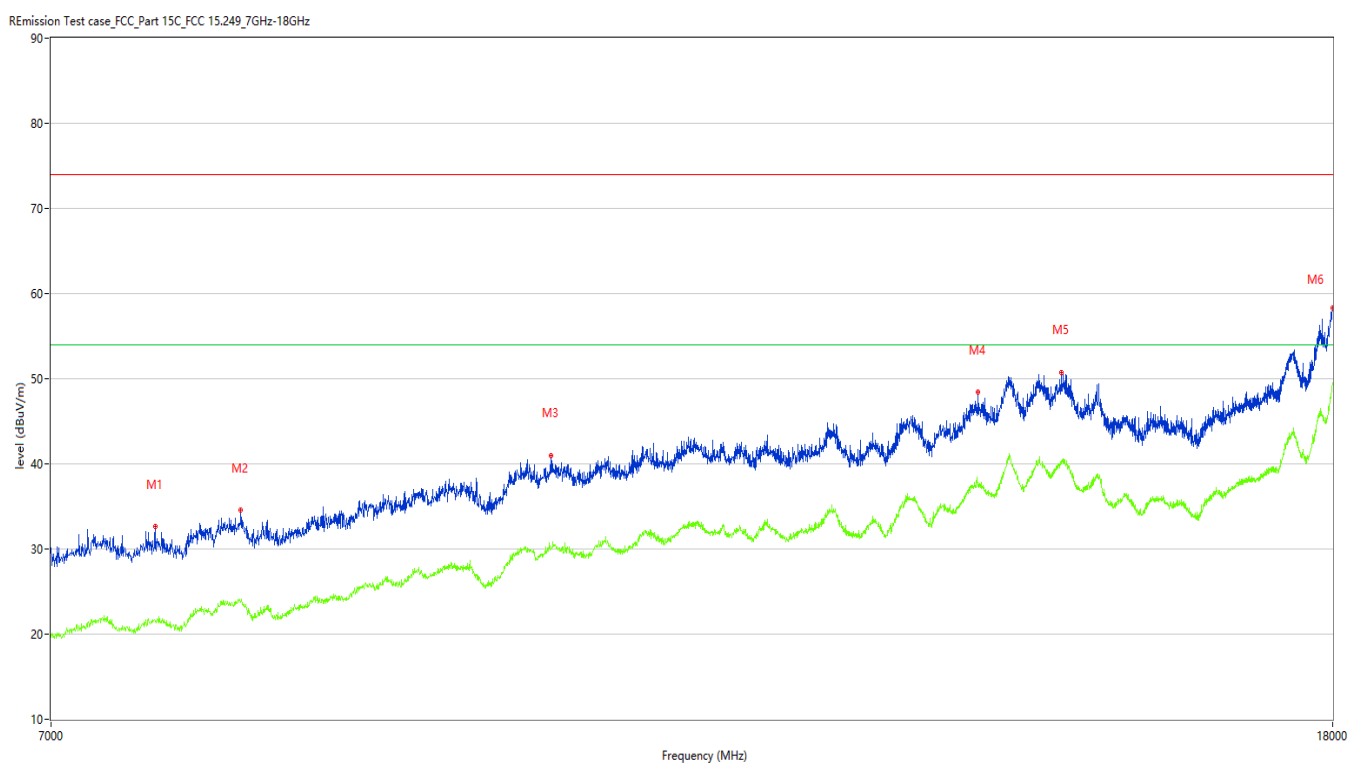
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Figure 24: Test plots of Field strength of harmonics, 2480MHz, 7GHz-18GHz, Vertical polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	7558.110	32.65	1.99	74.0	-41.35	Peak	61.90	100	Vertical	Pass
1**	7558.110	21.55	1.99	54.0	-32.45	AV	61.90	100	Vertical	Pass
2	8050.237	34.55	4.50	74.0	-39.45	Peak	191.70	100	Vertical	Pass
2**	8050.237	23.69	4.50	54.0	-30.31	AV	191.70	100	Vertical	Pass
3	10120.470	41.02	9.49	74.0	-32.98	Peak	141.10	100	Vertical	Pass
3**	10120.470	29.95	9.49	54.0	-24.05	AV	141.10	100	Vertical	Pass
4	13862.284	48.43	15.30	74.0	-25.57	Peak	141.10	100	Vertical	Pass
4**	13862.284	37.49	15.30	54.0	-16.51	AV	141.10	100	Vertical	Pass
5	14739.315	50.73	18.59	74.0	-23.27	Peak	215.90	100	Vertical	Pass
5**	14739.315	40.01	18.59	54.0	-13.99	AV	215.90	100	Vertical	Pass
6	18000.000	58.31	27.92	74.0	-15.69	Peak	164.90	100	Vertical	Pass
6**	18000.000	49.42	27.92	54.0	-4.58	AV	164.90	100	Vertical	Pass

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4.1.3 Band Edge

RESULT:

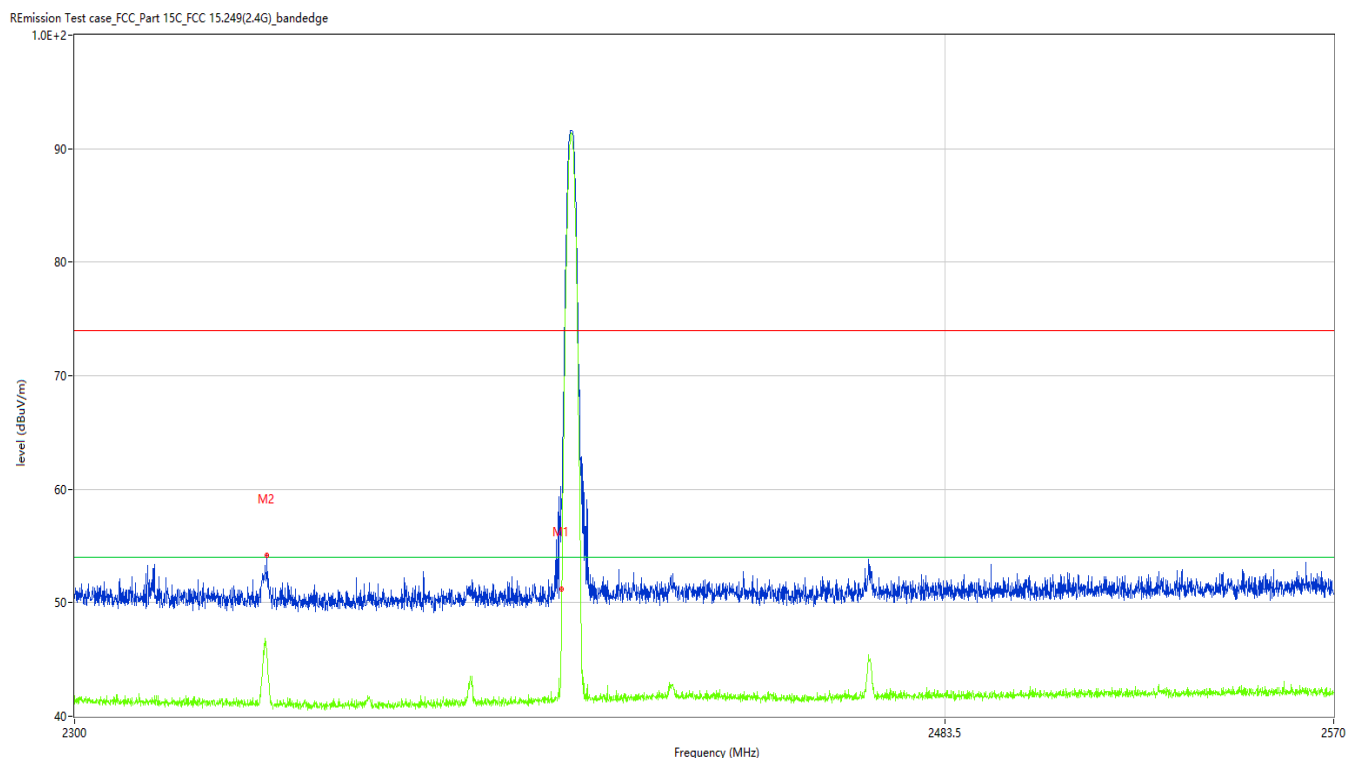
PASS

Test standard : FCC Part 15.249(d),15.209
RSS-210 B.10(b), RSS-GEN 8.10
Requirement : ANSI C63.10-2013
Kind of test site : 3m Semi-Anechoic Chamber

Test setup

Test Channel : Low/High
Operation Mode : A.i/iii
Ambient temperature : 25°C
Relative humidity : 53%

Figure 25: Test plots of Band Edge, 2403MHz, Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2400.000	51.23	-9.87	74.0	-22.77	Peak	327.56	100	Horizontal	Pass
1**	2400.000	41.45	-9.87	54.0	-12.55	AV	327.56	100	Horizontal	Pass
2	2339.343	54.15	-10.29	74.0	-19.85	Peak	155.60	100	Horizontal	Pass
2**	2339.343	45.65	-10.29	54.0	-8.35	AV	155.60	100	Horizontal	Pass

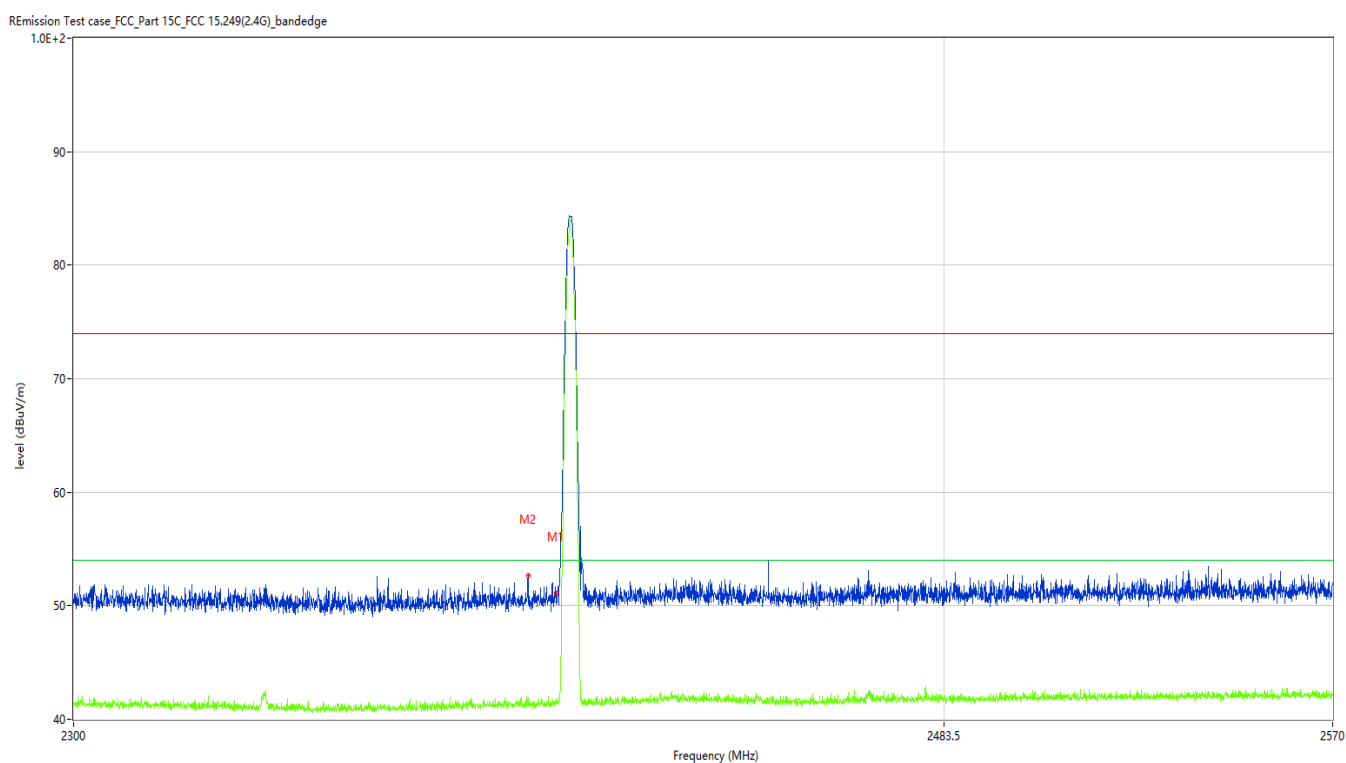
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Figure 26: Test plots of Band Edge, 2403MHz, Vertical polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2400.000	51.09	-9.87	74.0	-22.91	Peak	206.94	100	Vertical	Pass
1**	2400.000	41.39	-9.87	54.0	-12.61	AV	206.94	100	Vertical	Pass
2	2394.004	52.67	-9.93	74.0	-21.33	Peak	8.90	100	Vertical	Pass
2**	2394.004	41.90	-9.93	54.0	-12.10	AV	8.90	100	Vertical	Pass

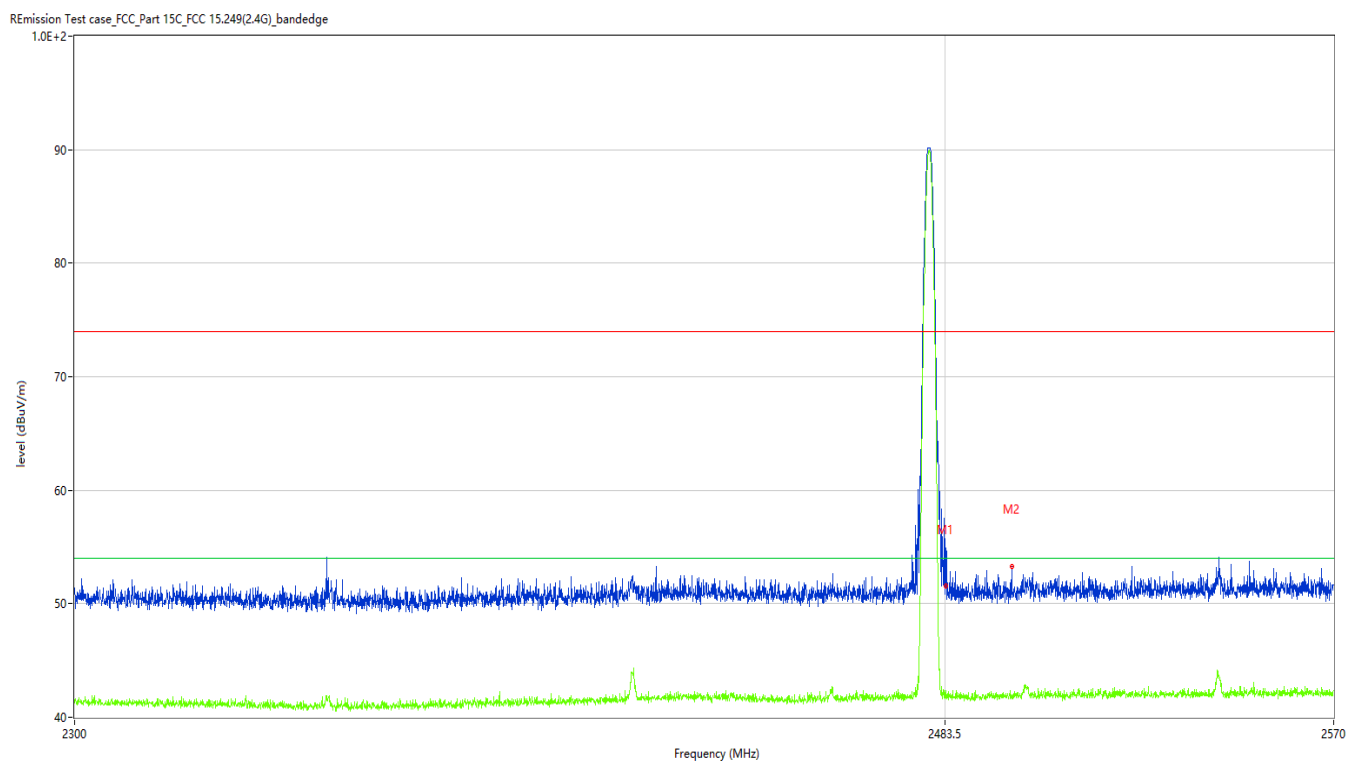
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Figure 27: Test plots of Band Edge, 2480MHz, Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	51.63	-9.51	74.0	-22.37	Peak	316.27	100	Horizontal	Pass
1**	2483.500	41.78	-9.51	54.0	-12.22	AV	316.27	100	Horizontal	Pass
2	2498.063	53.31	-9.48	74.0	-20.69	Peak	33.60	100	Horizontal	Pass
2**	2498.063	41.63	-9.48	54.0	-12.37	AV	33.60	100	Horizontal	Pass

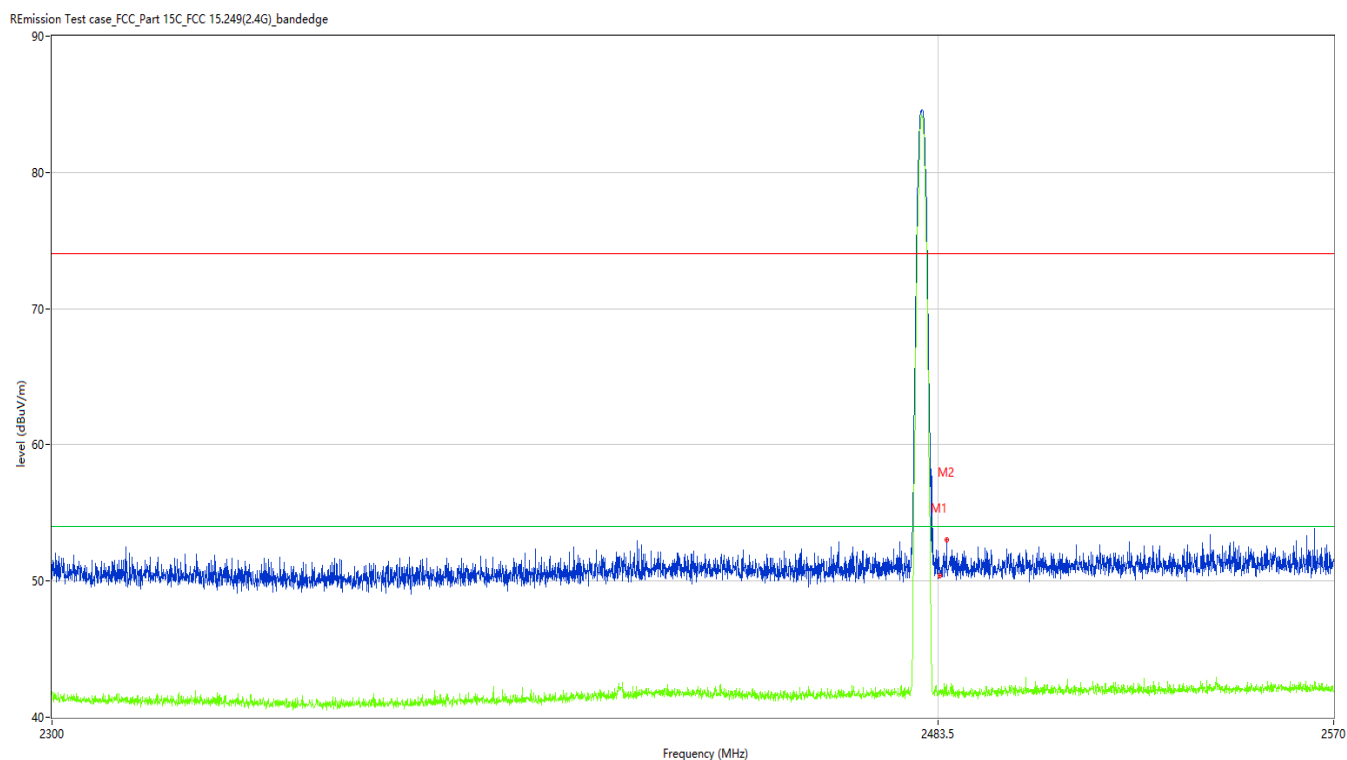
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Figure 28: Test plots of Band Edge, 2480MHz, Vertical polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	50.38	-9.51	74.0	-23.62	Peak	291.78	100	Vertical	Pass
1**	2483.500	41.66	-9.51	54.0	-12.34	AV	291.78	100	Vertical	Pass
2	2485.241	53.03	-9.52	74.0	-20.97	Peak	360.00	100	Vertical	Pass
2**	2485.241	42.38	-9.52	54.0	-11.62	AV	360.00	100	Vertical	Pass

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4.1.4 20dB Bandwidth and 99% Bandwidth

RESULT:

PASS

Test standard : FCC Part 15.215(c), RSS-GEN 6.7
Requirement : ANSI C63.10-2013
Kind of test site : Shielded room

Test setup

Test Channel : Low/Middle/High
Operation Mode : A.i/ii/iii
Ambient temperature : 24.9°C
Relative humidity : 58%

Table 1: 20dB Bandwidth and 99% Bandwidth

Test Mode	Test Channel (MHz)	20dB Bandwidth (MHz)	99% Bandwidth (MHz)
GFSK	2403	1.014	0.932
	2442	0.961	0.915
	2480	1.034	0.955

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Figure 29: The plots of 20dB Bandwidth and 99% Bandwidth, 2403MHz

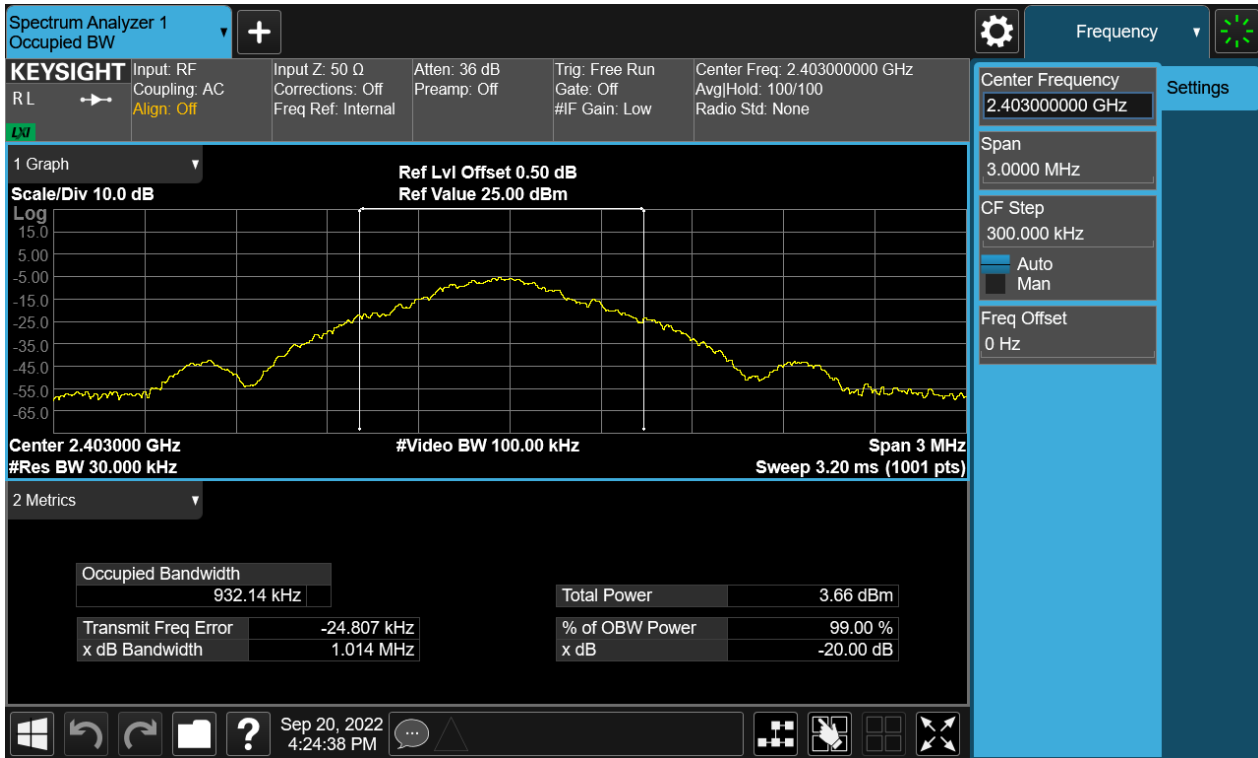
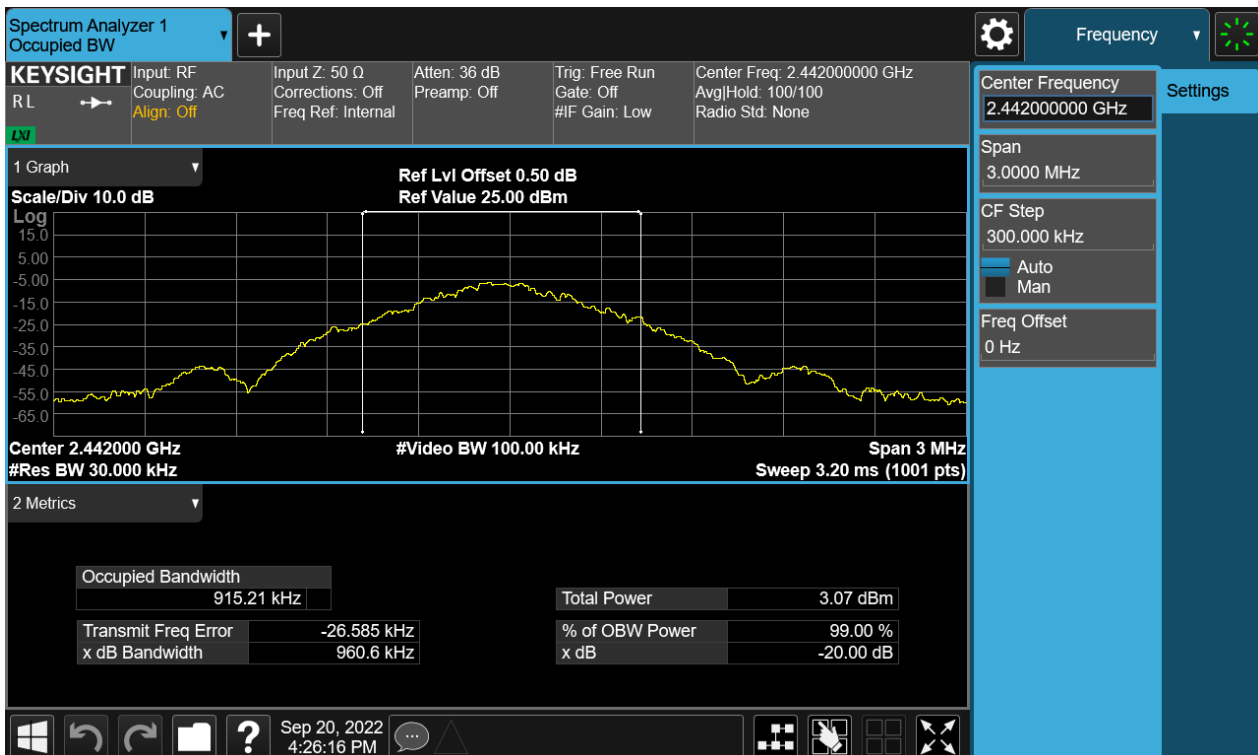


Figure 30: The plots of 20dB Bandwidth and 99% Bandwidth, 2442MHz



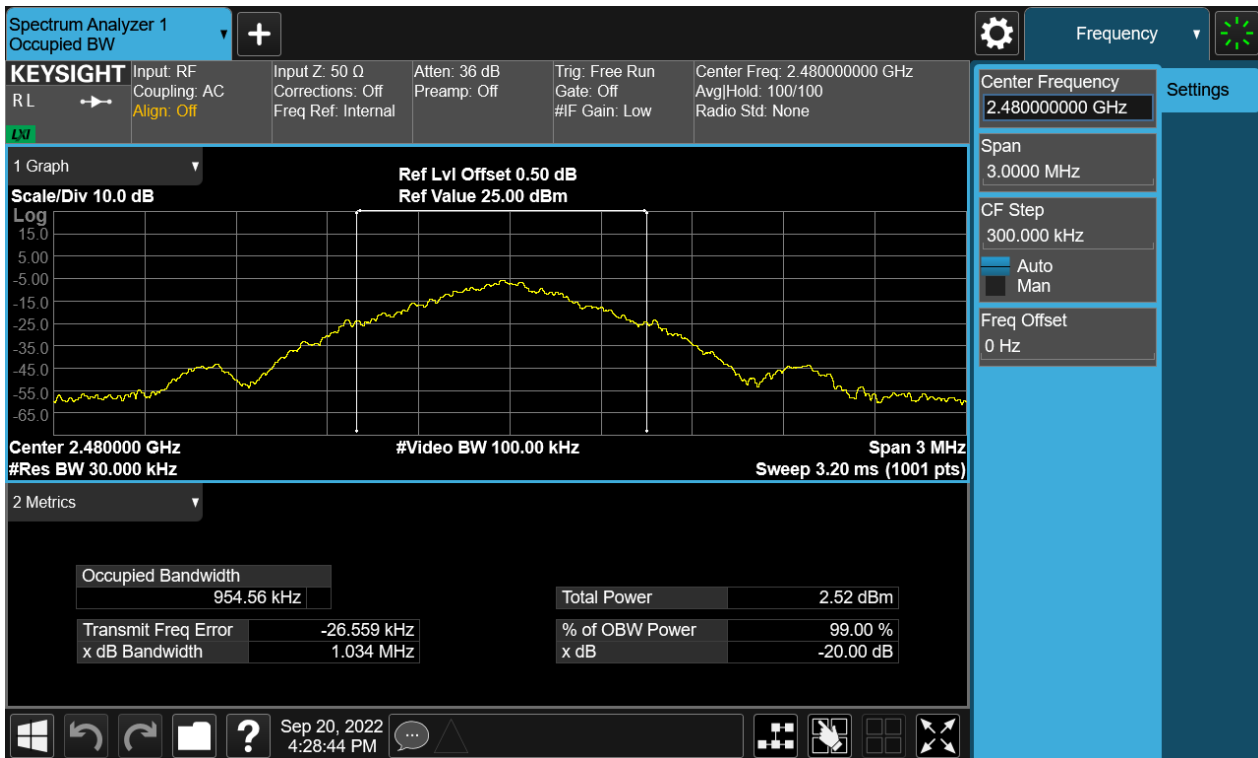
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Figure 31: The plots of 20dB Bandwidth and 99% Bandwidth, 2480MHz



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4.2 Mains Emissions

4.2.1 Conducted Emission on AC Mains

RESULT:

PASS

Test standard	: FCC Part 15.207(a), RSS-Gen 8.8
Requirement	: ANSI C63.10-2013 clause 6.2
Kind of test site	: Shielded room

Test setup

Input Voltage	: DC 29V supply by power adapter (which received AC 120V, 60Hz)
Operation Mode	: A.i/ii/iii
Earthing	: Not Connected
Ambient temperature	: 23.6°C
Relative humidity	: 57%

For details refer to following test plot.

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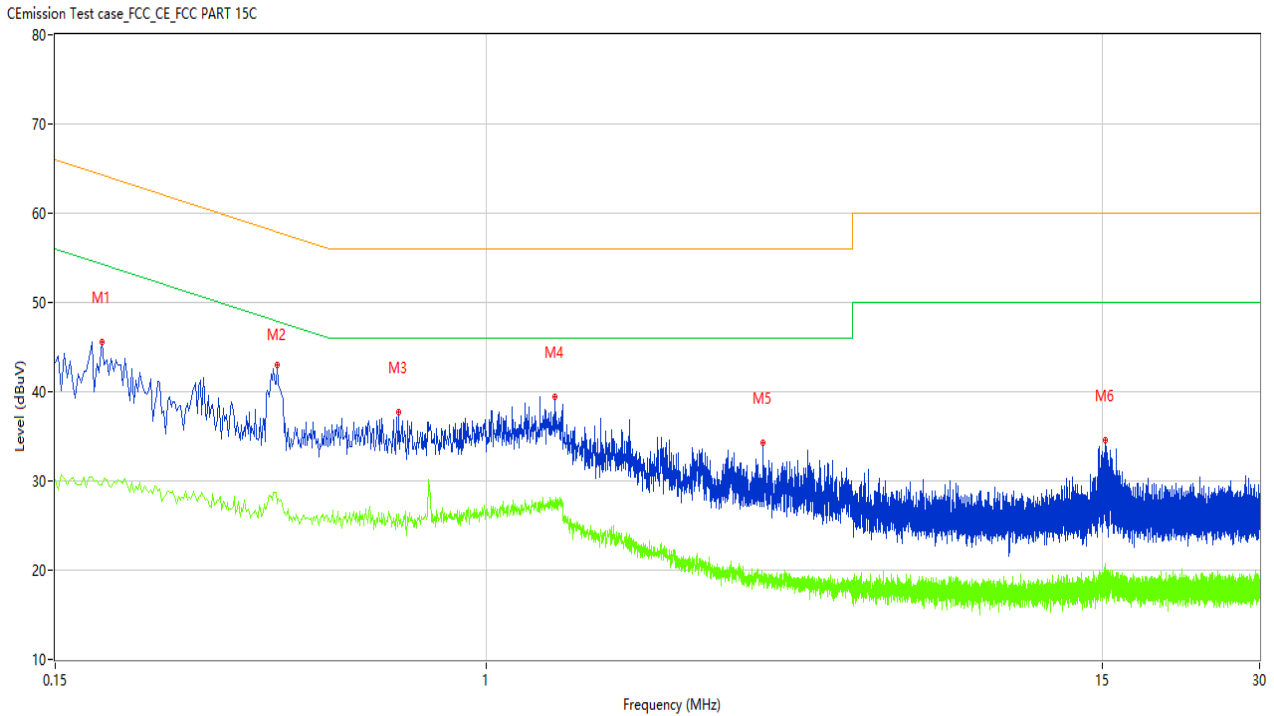
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Note:

The all configurations were tested respectively, but only the worst configuration(low channel) shown here.

Figure 32: Conducted Emission on AC Mains, L Phase



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.184	46.34	10.18	64.30	-17.96	Peak	L	Pass
1*	0.184	39.33	10.18	64.30	-24.97	QP	L	Pass
1**	0.184	29.60	10.18	54.30	-24.70	AV	L	Pass
2	0.398	42.65	10.23	57.90	-15.25	Peak	L	Pass
2*	0.398	37.99	10.23	57.90	-19.91	QP	L	Pass
2**	0.398	27.39	10.23	47.90	-20.51	AV	L	Pass
3	0.680	33.73	10.19	56.00	-22.27	Peak	L	Pass
3*	0.680	27.11	10.19	56.00	-28.89	QP	L	Pass
3**	0.680	26.28	10.19	46.00	-19.72	AV	L	Pass
4	1.350	33.21	10.14	56.00	-22.79	Peak	L	Pass
4*	1.350	27.29	10.14	56.00	-28.71	QP	L	Pass
4**	1.350	27.91	10.14	46.00	-18.09	AV	L	Pass
5	3.378	30.70	10.25	56.00	-25.30	Peak	L	Pass
5*	3.378	25.00	10.25	56.00	-31.00	QP	L	Pass
5**	3.378	19.32	10.25	46.00	-26.68	AV	L	Pass
6	15.200	33.60	10.73	60.00	-26.40	Peak	L	Pass
6*	15.200	26.82	10.73	60.00	-33.18	QP	L	Pass
6**	15.200	20.20	10.73	50.00	-29.80	AV	L	Pass

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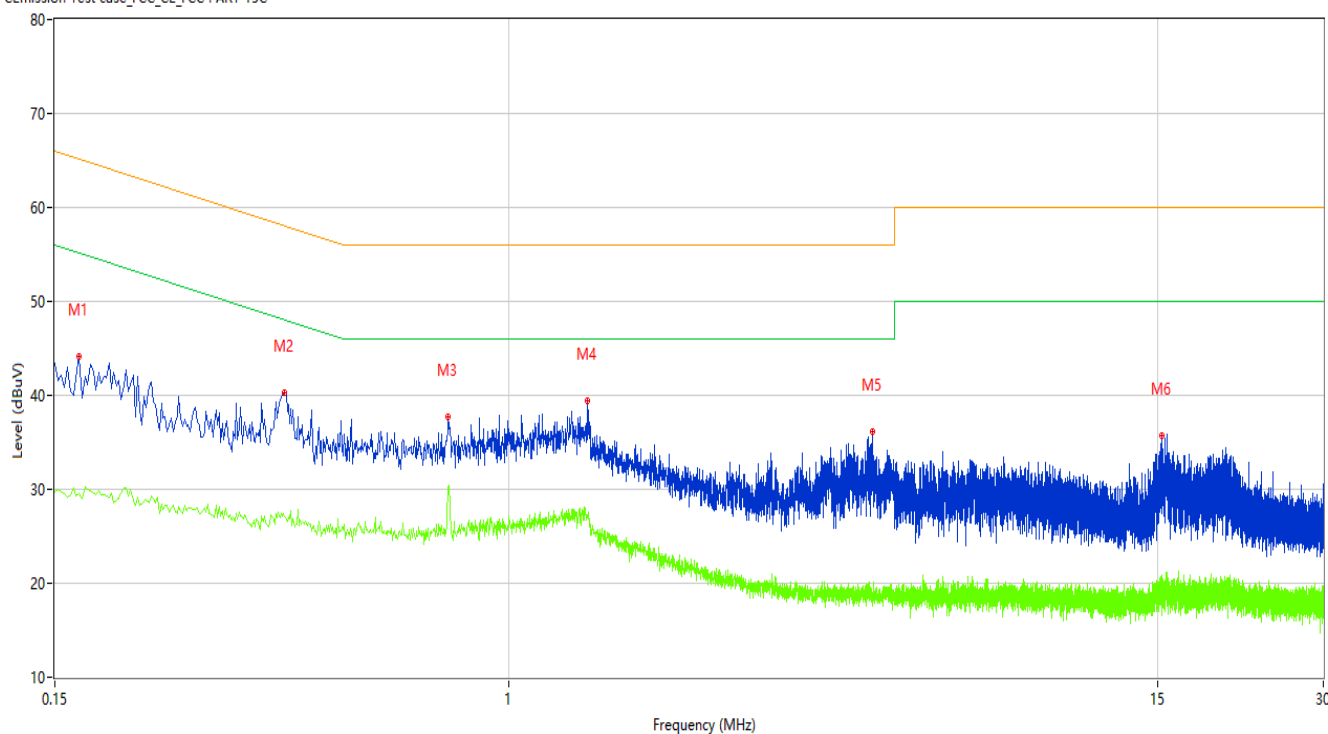
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Figure 33: Conducted Emission on AC Mains, N Phase

CEmission Test case_FCC_CE_FCC PART 15C



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Over Limit (dB)	Detector	Line	Verdict
1	0.166	47.25	10.19	65.16	-17.91	Peak	N	Pass
1*	0.166	38.17	10.19	65.16	-26.99	QP	N	Pass
1**	0.166	29.64	10.19	55.16	-25.52	AV	N	Pass
2	0.392	42.79	10.23	58.02	-15.23	Peak	N	Pass
2*	0.392	36.36	10.23	58.02	-21.66	QP	N	Pass
2**	0.392	27.10	10.23	48.02	-20.92	AV	N	Pass
3	0.776	33.30	10.19	56.00	-22.70	Peak	N	Pass
3*	0.776	26.47	10.19	56.00	-29.53	QP	N	Pass
3**	0.776	30.19	10.19	46.00	-15.81	AV	N	Pass
4	1.390	30.69	10.15	56.00	-25.31	Peak	N	Pass
4*	1.390	23.24	10.15	56.00	-32.76	QP	N	Pass
4**	1.390	27.04	10.15	46.00	-18.96	AV	N	Pass
5	4.560	34.68	10.29	56.00	-21.32	Peak	N	Pass
5*	4.560	27.79	10.29	56.00	-28.21	QP	N	Pass
5**	4.560	19.03	10.29	46.00	-26.97	AV	N	Pass
6	15.270	35.28	10.73	60.00	-24.72	Peak	N	Pass
6*	15.270	29.54	10.73	60.00	-30.46	QP	N	Pass

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6**	15.270	20.51	10.73	50.00	-29.49	AV	N	Pass
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5 Appendixes

5.1 Photographs of the Sample



Front of the sample



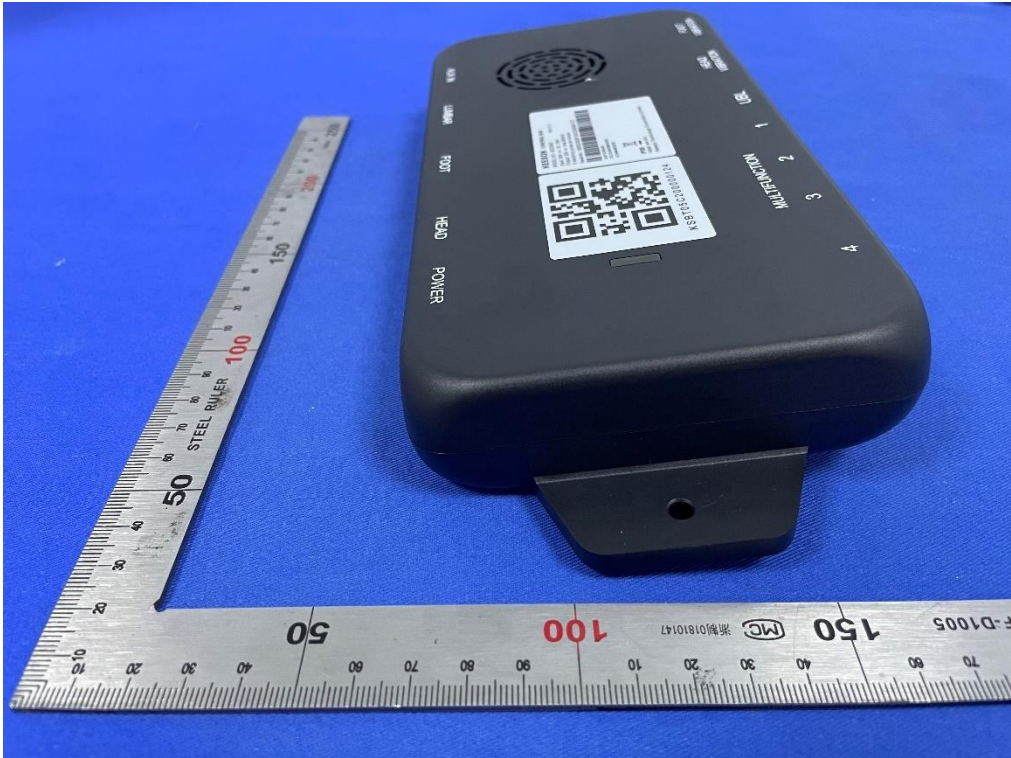
Rear of the sample

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Left of the sample



Right of the sample

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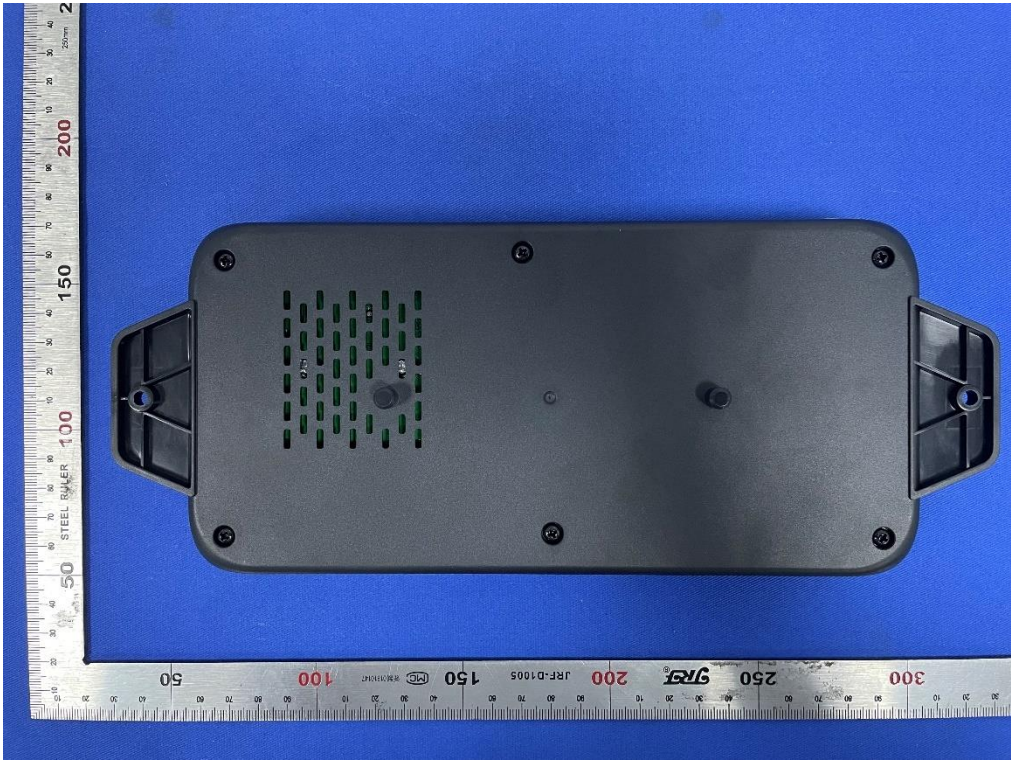
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Top of the sample



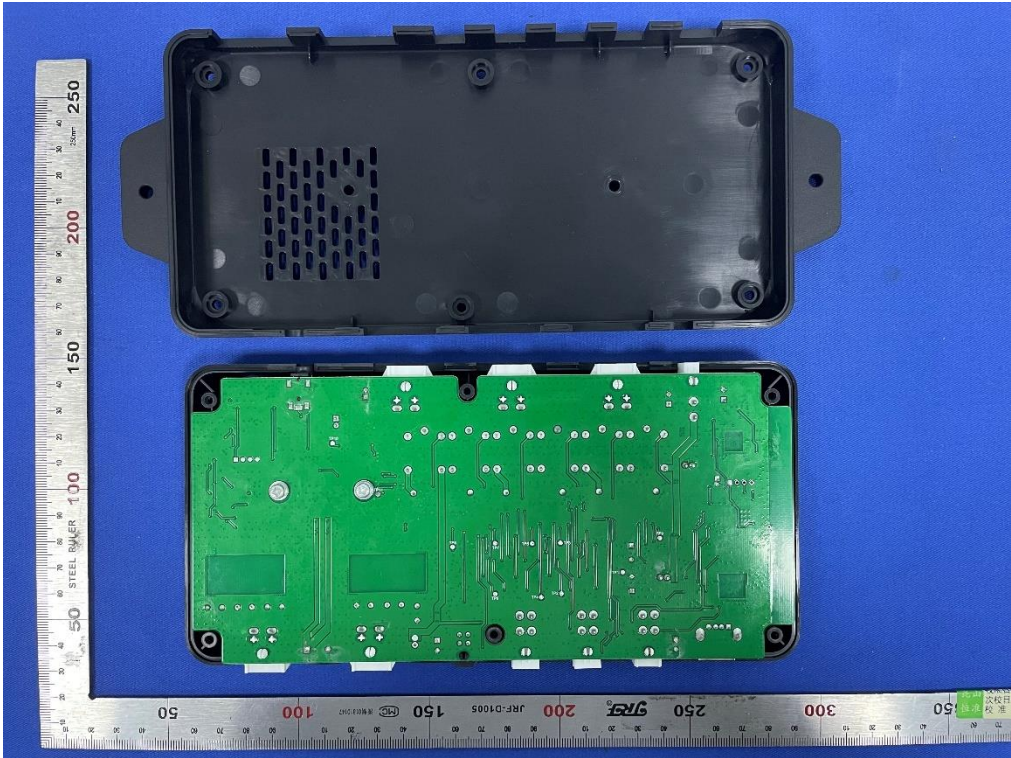
Bottom of the sample

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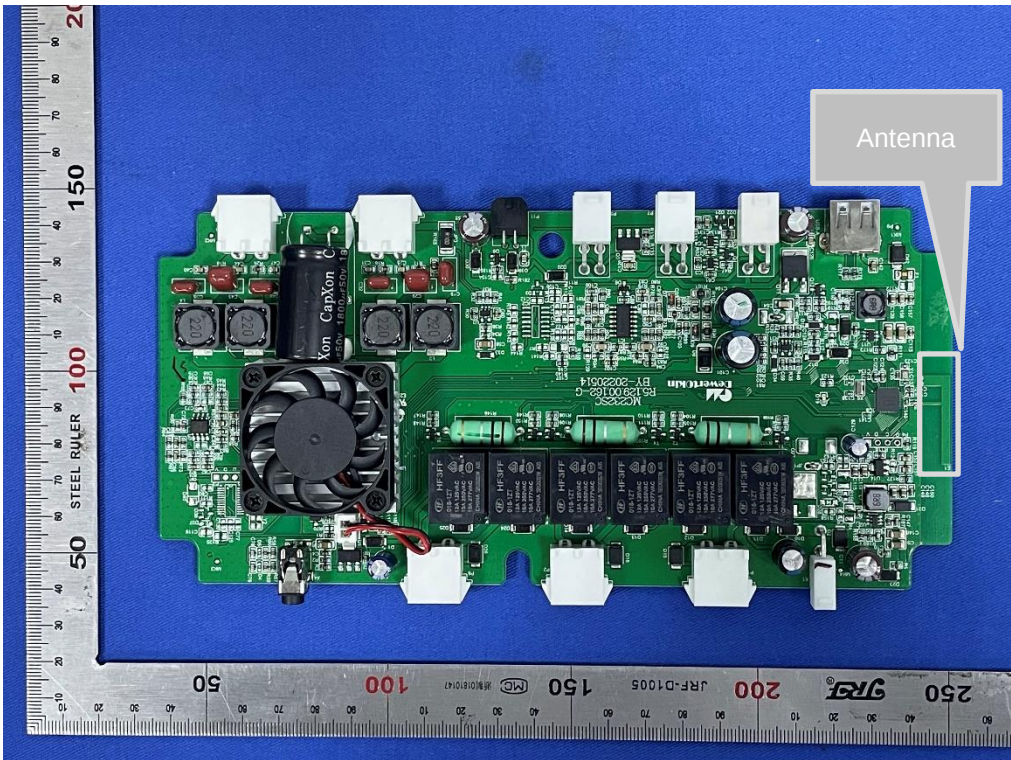
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Open of the sample



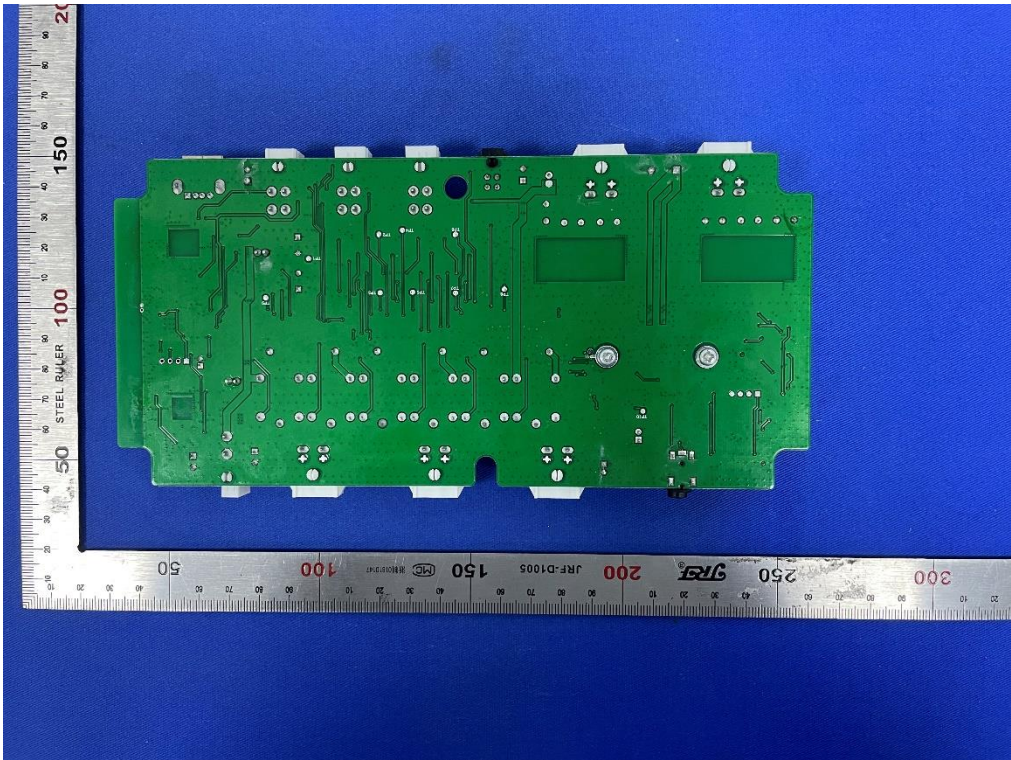
Internal-1 of the sample

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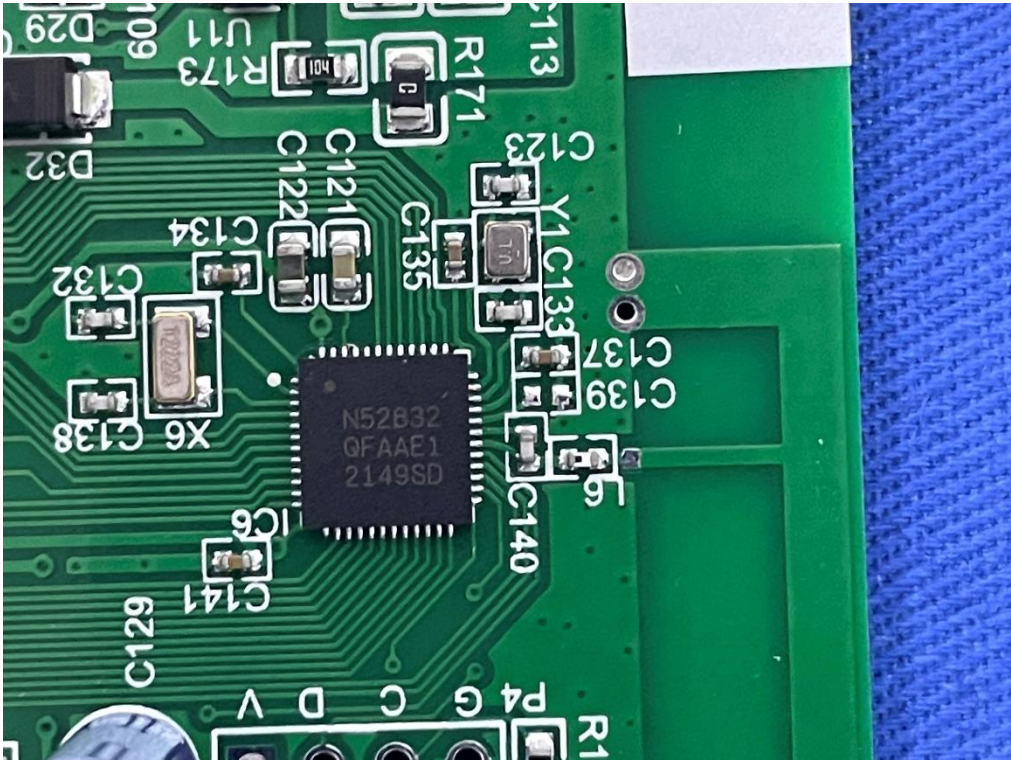
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Internal-2 of the sample



Internal-3 of the sample

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5.2 Set-up for Conducted Emissions



5.3 Set-up for Spurious Emissions below 1GHz



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5.4 Set-up for Spurious Emissions above 1GHz



End of the report