

TEST REPORT

Report No.: SHE22110068-02CE

Date: 2022-11-25

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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. : LSC01
Sample acquisition Method : Sent by Client
Sample No. : E22110068-02#02
E22110068-02#03
FCC ID : 2AK23-LSC01
ISED Number : 22406- LSC01

Standards : FCC CFR47 Part 15, Subpart C
RSS-Gen (Issue 5, Amd.2-Feb 2021)
RSS-247 (Issue 2, February 2017)

Date of Receipt : 2022-11-18
Date of Test : 2022-11-23 ~ 2022-11-25
Date of Issue : 2022-11-25

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)

Reviewed by:


(Jennifer Zhou)

Approved by:


(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.	LSC01
FCC ID	2AK23-LSC01
ISED Number	22406-LSC01
Operation Frequency	2403MHz ~ 2480MHz
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
Hardware version	R5.109.00.871D
Software version	V1.0

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Test SW Version	BL410_R; BL410_E
RF power setting in TEST SW	nRF_DTM Tool Version 0.9.1_Power setting_Default_0dBm

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
KDB Publication 558074 D01 v05r02	15.247 Meas Guidance.
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
ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

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	FCC Part 15.247(b)(4), Part 15.203	RSS-247 5.4(f) RSS-GEN 6.8	PASS
Maximum peak conducted output power and E.I.R.P	FCC Part 15.247(b)(3)	RSS-247 5.4(d)	PASS
6dB Bandwidth and 99% Bandwidth	FCC Part 15.247(a)(2)	RSS-247 5.2(a) RSS-Gen 6.7	PASS
Maximum conducted output power spectral density	FCC Part 15.247(e)	RSS-247 5.2(b)	PASS
Conducted Spurious Emission & Authorized-band band-edge	FCC Part 15.247(d)	RSS-247 5.5	PASS
Radiated Emission	FCC Part 15.247(d), 15.205, 15.209	RSS-GEN 8.9	PASS
Band Edge (Restricted-band band-edge)	FCC Part 15.247(d), 15.205, 15.209	RSS-GEN 8.10	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

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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
Occupied Channel Bandwidth		± 5 %

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3 Test Set-up and Operation Modes

3.1 Details of Test Mode

Using test software (nRF_DTM Tool) was control EUT work in continuous transmitter and receiver mode. Select test channel as below:

Channel	Frequency
The lowest channel	2403MHz
The middle channel	2442MHz
The Highest channel	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.
Laptop	HP	HP ZHAN 66 Pro G1	N/A
USB Cable	N/A	1.00m Unshielded	N/A
Power Adapter	N/A	ZB-H290030-G	N/A

3.3 Support Software

Description	Manufacturer	Software Name
Software	N/A	nRF_DTM Tool Version 0.9.1

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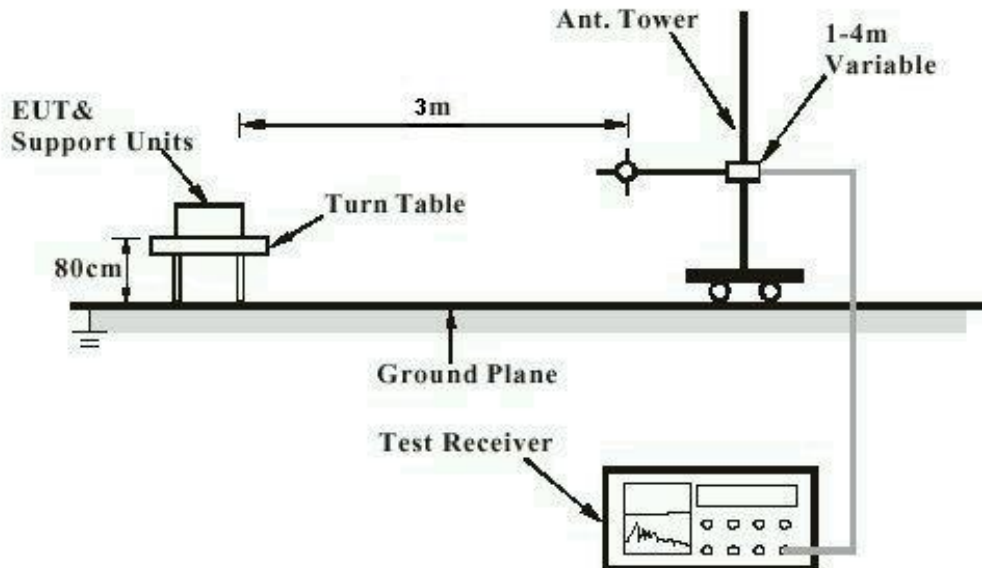
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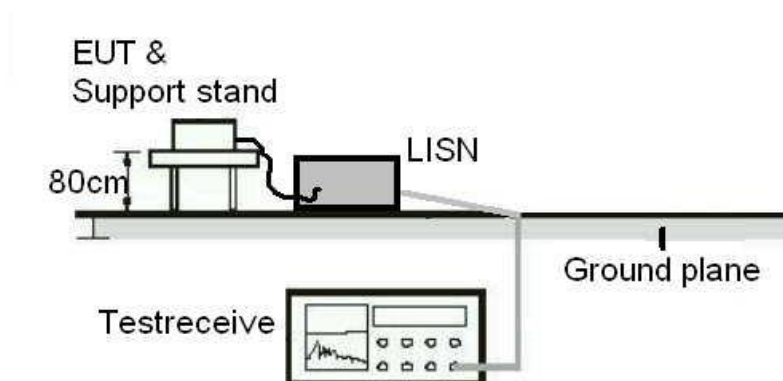
3.4 Test Setup Diagram

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.

Diagram of Measurement Configuration for Conduction Test



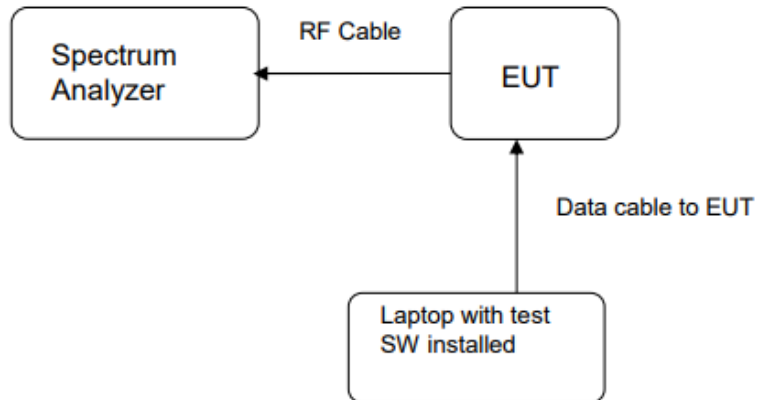
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Diagram of Measurement Configuration for Transmitter Test



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4 Test Results

4.1 Transmitter Requirement & Test Suites

4.1.1 Antenna Requirement

RESULT:

PASS

Test standard : FCC Part 15.247(b)(4), Part 15.203
RSS-247 5.4(f), RSS-GEN 6.8

Requirement : The use of approved antennas only with directional
gains that do not exceed 6dBi

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 Maximum peak conducted output power and E.I.R.P

RESULT:

PASS

Test standard : FCC Part 15.247(b)(3), RSS-247 5.4(d)
Requirement : ANSI C63.10-2013 clause 11.9.1.1,
KDB 558074 clause 8.3.1.1
Kind of test site : Shielded room

Test setup

Test Channel : Low/Middle/High
Operation Mode : A.i/ii/iii
Ambient temperature : 24.3°C
Relative humidity : 58%

Table 1: Maximum peak conducted output power

Test Mode	Test Channel (MHz)	Maximum peak conducted output power		Limit (W)
		(dBm)	(mW)	
GFSK	2403	-2.30	0.59	< 1
	2442	-2.73	0.53	
	2480	-3.01	0.50	

Table 2: E.I.R.P

Test Mode	Test Channel (MHz)	E.I.R.P		Limit (W)
		(dBm)	(mW)	
GFSK	2403	-1.08	0.78	< 4
	2442	-1.51	0.71	
	2480	-1.79	0.66	

Note: The antenna gain is 1.225dBi

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Figure 1: The plots of Peak Conducted Output Power, 2403MHz

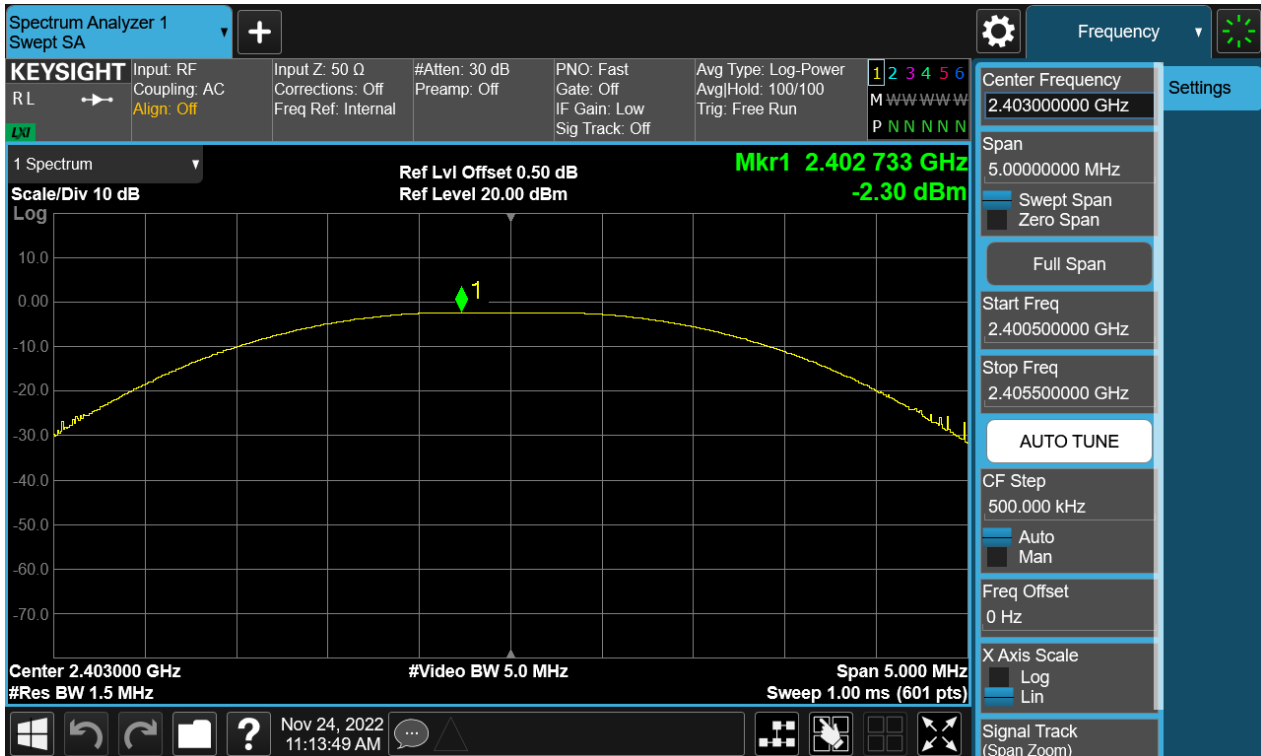
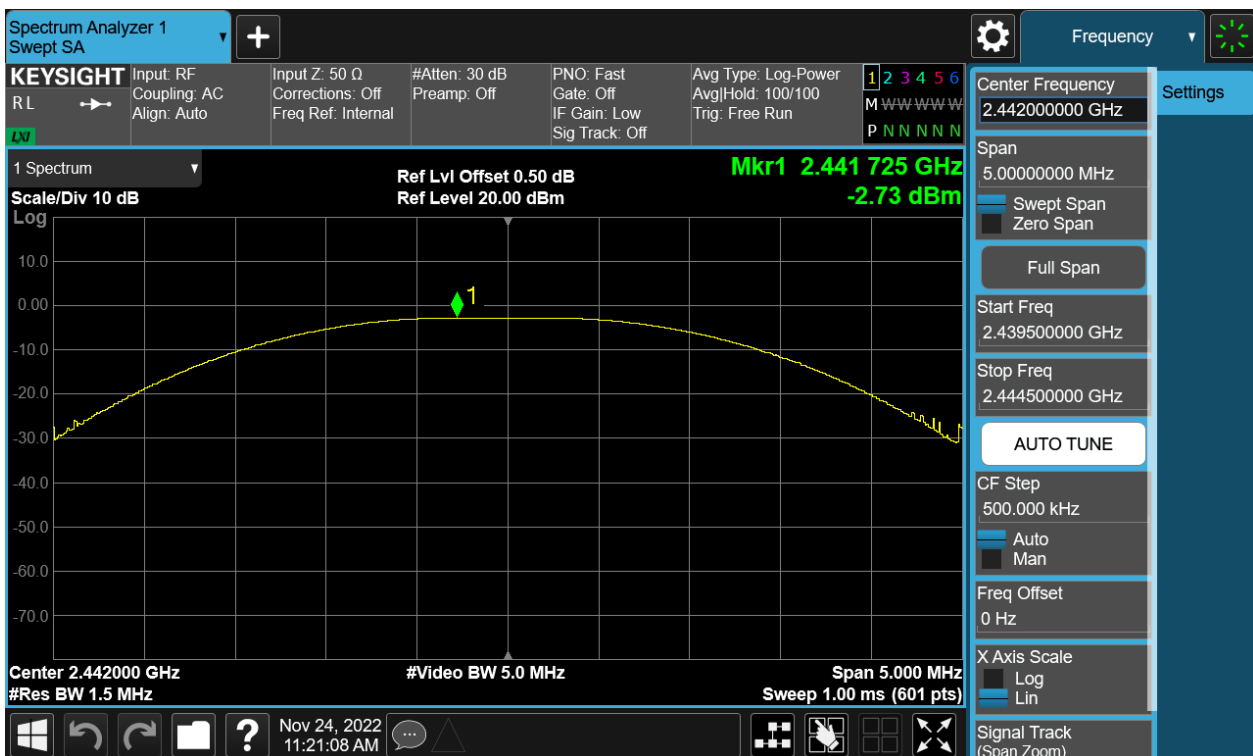


Figure 2: The plots of Peak Conducted Output Power, 2442MHz



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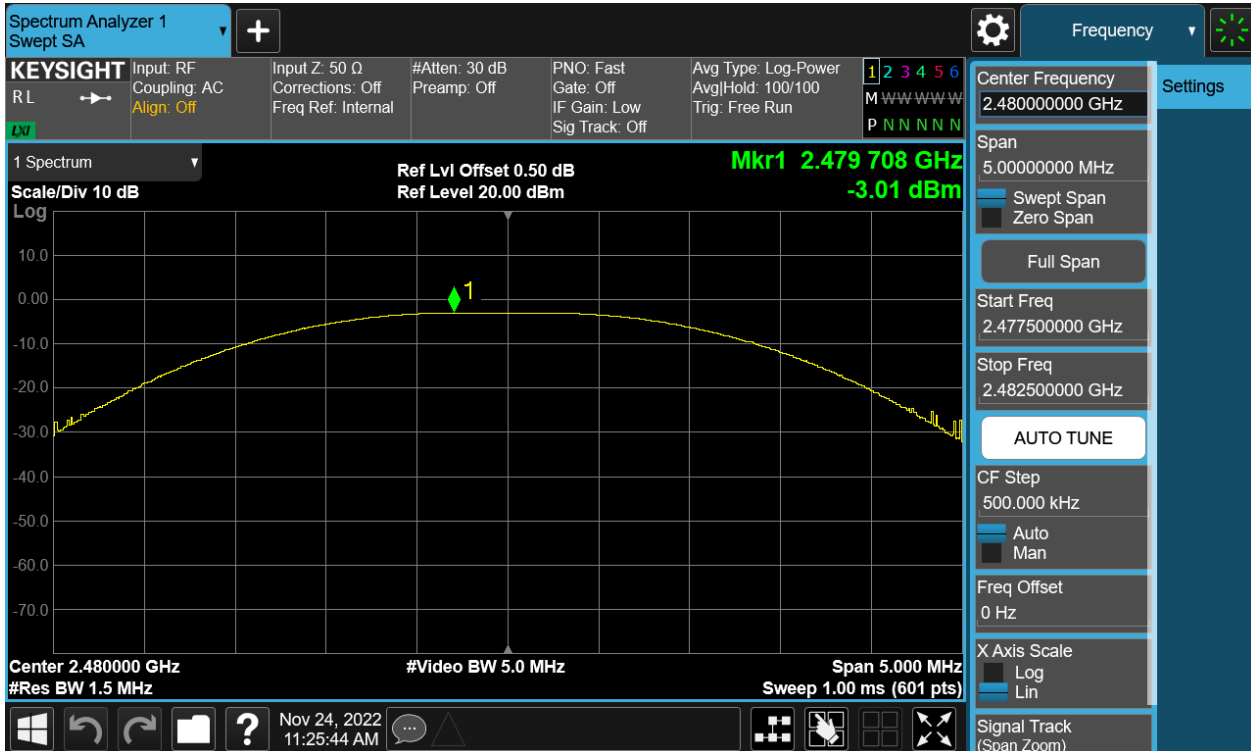
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Figure 3: The plots of Peak Conducted Output Power, 2480MHz



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4.1.3 6dB Bandwidth and 99% Bandwidth

RESULT:

PASS

Test standard : FCC Part 15.247(a)(2), RSS-247 5.2(a)
RSS-Gen 6.7
Requirement : ANSI C63.10-2013 clause 11.8.1,
KDB 558074 clause 8.2
Kind of test site : Shielded room

Test setup

Test Channel : Low/Middle/High
Operation Mode : A.i/ii/iii
Ambient temperature : 24.3°C
Relative humidity : 58%

Table 3: 6dB Bandwidth and 99% Bandwidth

Test Mode	Test Channel (MHz)	6dB Bandwidth (MHz)	99% Bandwidth (MHz)	6dB Bandwidth Limit
GFSK	2403	0.7210	1.0477	>0.5 MHz
	2442	0.7531	1.0433	
	2480	0.7312	1.0489	

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Figure 4: The plots of 6dB Bandwidth, 2403MHz



Figure 5: The plots of 99% Bandwidth, 2403MHz



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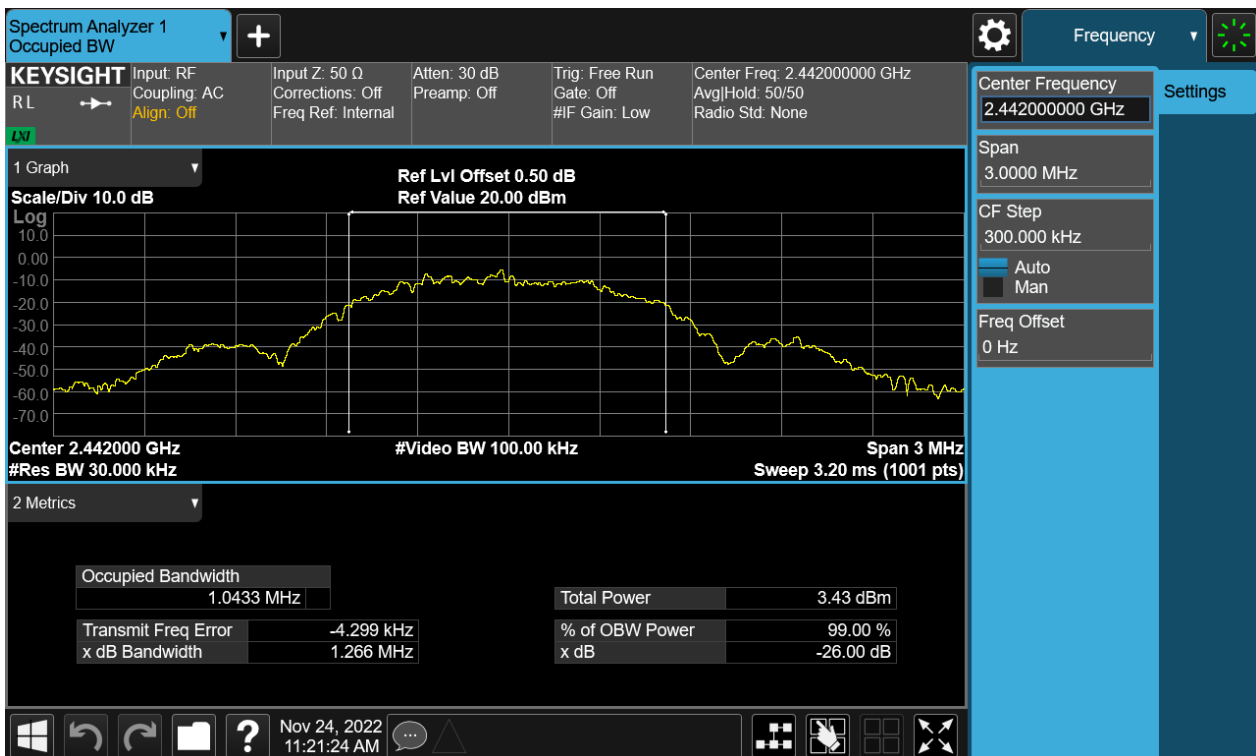
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Figure 6: The plots of 6dB Bandwidth, 2442MHz



Figure 7: The plots of 99% Bandwidth, 2442MHz



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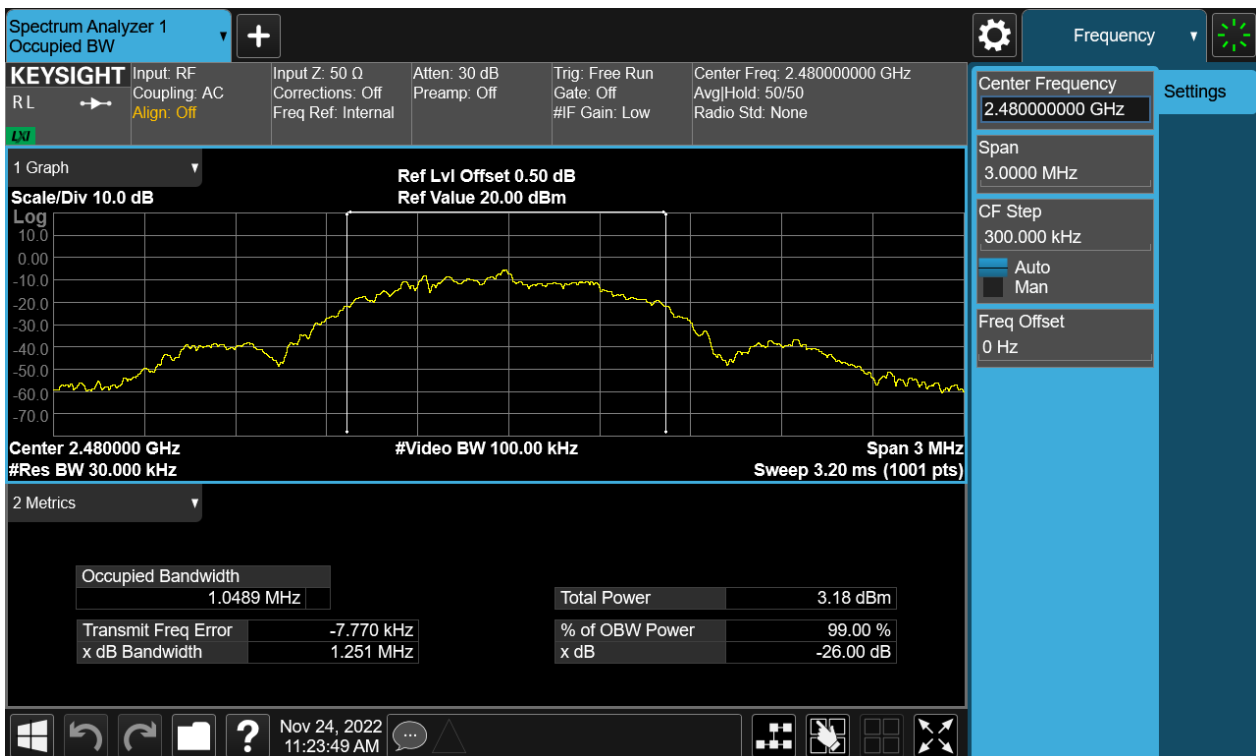
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Figure 8: The plots of 6dB Bandwidth, 2480MHz



Figure 9: The plots of 99% Bandwidth, 2480MHz



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4.1.4 Maximum conducted output power spectral density

RESULT:

PASS

Test standard : FCC Part 15.247(e), RSS-247 5.2(b)
Requirement : ANSI C63.10-2013 clause 11.10.2,
KDB 558074 clause 8.4
Kind of test site : Shielded room

Test setup

Test Channel : Low/Middle/High
Operation Mode : A.i/ii/iii
Ambient temperature : 24.3°C
Relative humidity : 58%

Table 4: Maximum conducted output power spectral density

Test Mode	Test Channel (MHz)	Measured Result (dBm/3kHz)	Limit (dBm/3kHz)
GFSK	2403	-18.44	8
	2442	-18.99	
	2480	-19.26	

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Figure 10: The plots of Power Spectral Density, 2403MHz

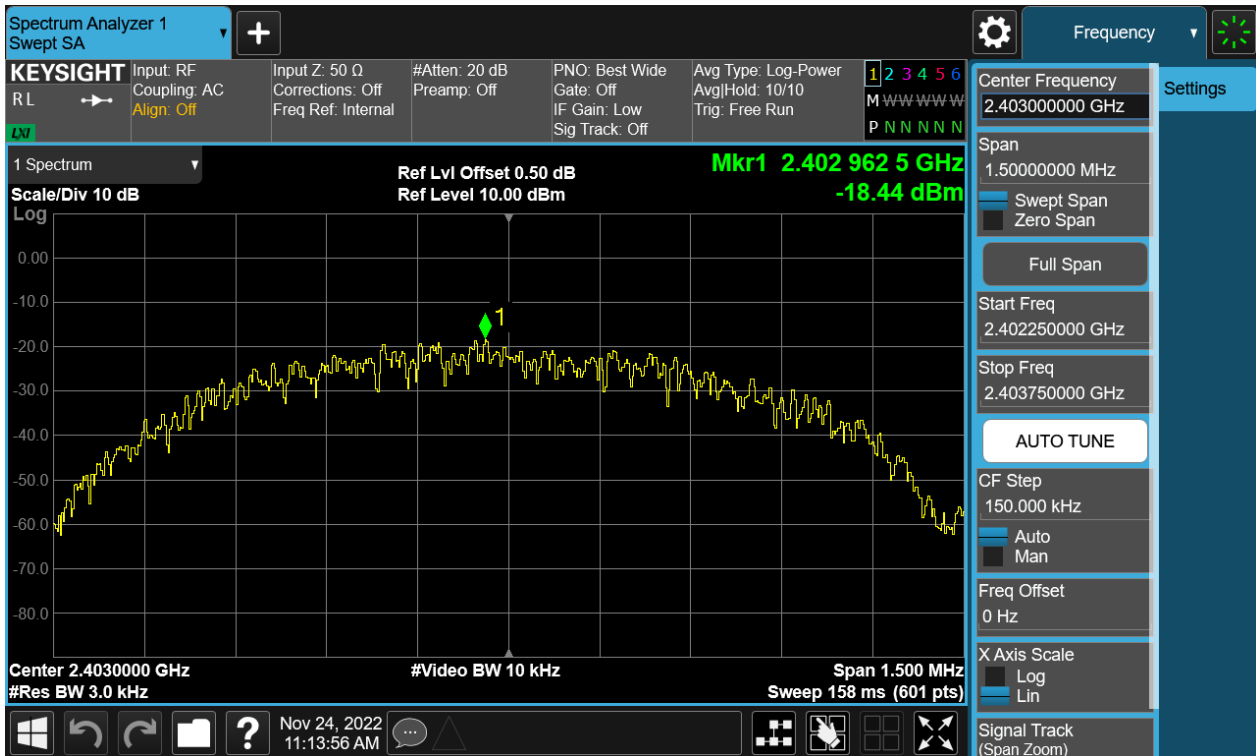
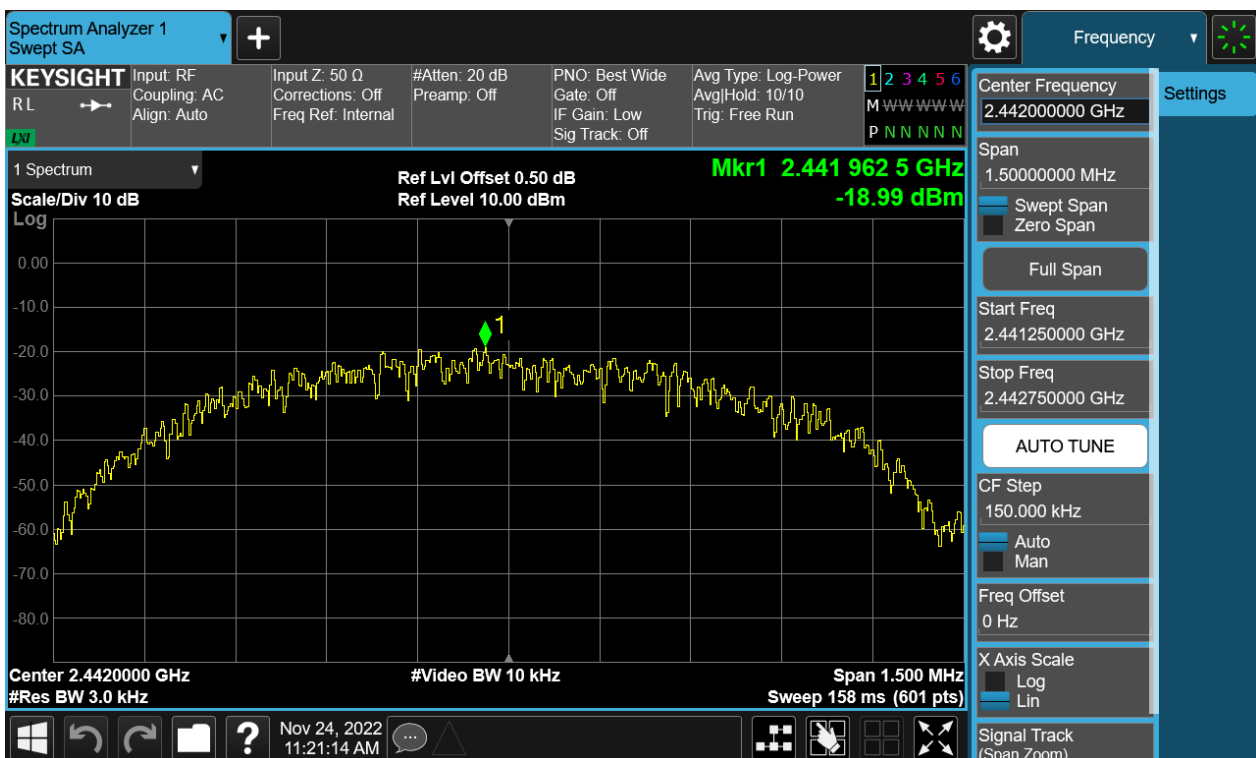


Figure 11: The plots of Power Spectral Density, 2442MHz



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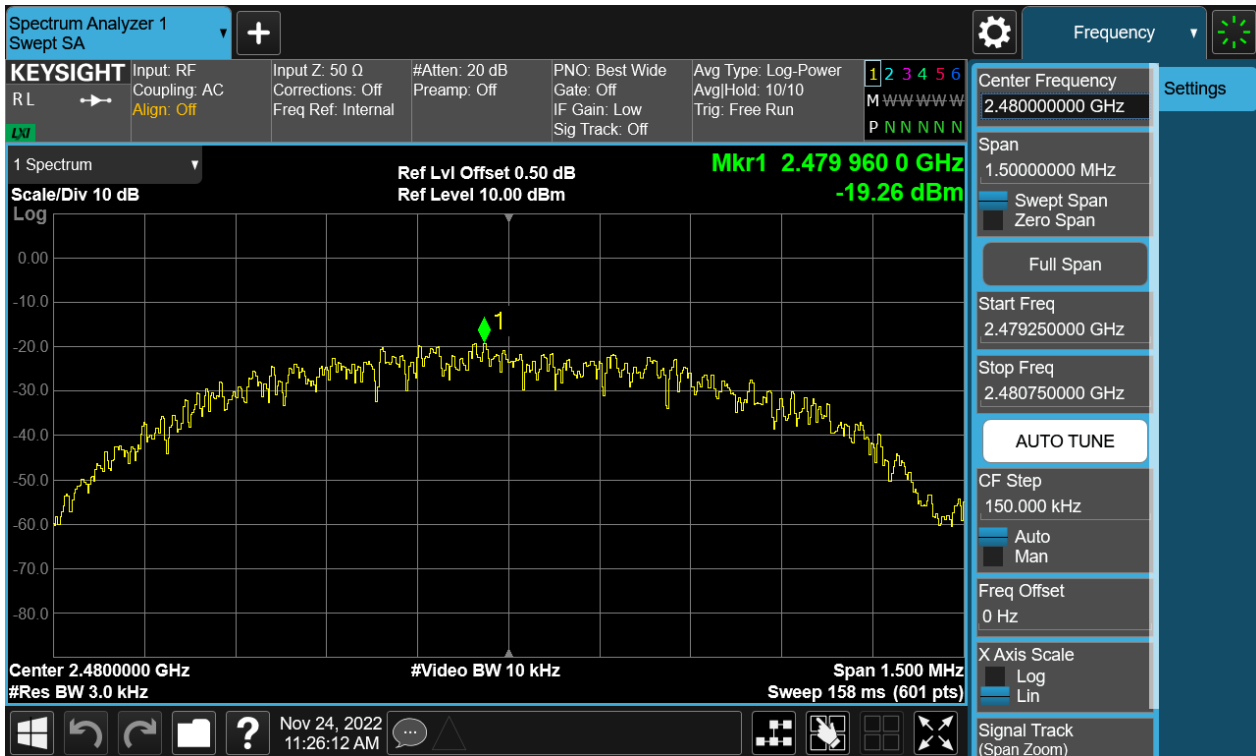
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Figure 12: The plots of Power Spectral Density, 2480MHz



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4.1.5 Conducted Spurious Emission & Authorized-band band-edge

RESULT:

PASS

Test standard	: FCC Part 15.247(d), RSS-247 5.5
Requirement	: ANSI C63.10-2013 clause 11.11, KDB 558074 clause 8.5
Kind of test site	: Shielded room

Test setup

Test Channel	: Low/Middle/High for spurious, Low/High for Band Edge
Operation Mode	: A.i/ii/iii
Ambient temperature	: 24.3°C
Relative humidity	: 58%

For details refer to following test plot.

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Figure 13: The plots of Conducted Spurious Emission & Authorized-band band-edge, 2403MHz, Carrier Level

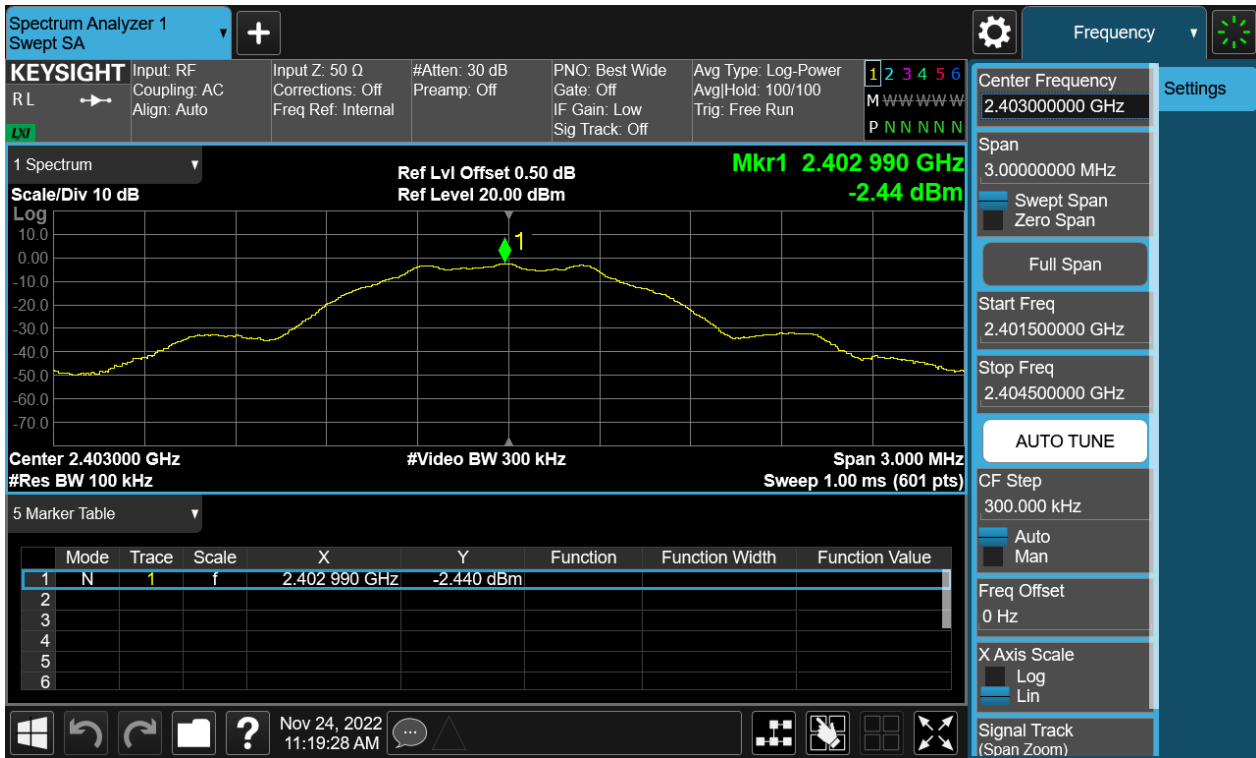


Figure 14: The plots of Conducted Spurious Emission & Authorized-band band-edge, 2403MHz, Band Edge



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Spectrum Analyzer 1
Swept SA

KEYSIGHT Input: RF Input Z: 50 Ω #Atten: 30 dB PNO: Fast Avg Type: Log-Power
RL Coupling: AC Corrections: Off Gate: Off Avg|Hold: 100/100
Align: Auto Freq Ref: Internal IF Gain: Low Trig: Free Run

1 Spectrum

Scale/Div 10 dB

Ref Lvl Offset 0.50 dB

Ref Level 20.00 dBm

Mkr2 1.515 0 GHz

-60.94 dBm

Log

Start 0.030 GHz

#Video BW 300 kHz

Stop 3.000 GHz

#Res BW 100 kHz

Sweep ~286 ms (1001 pts)

5 Marker Table

	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	N	1	f	2.403 0 GHz	-2.527 dBm			
2	N	1	f	1.515 0 GHz	-60.94 dBm			
3								
4								
5								
6								

Select Display Line

Display Line 1

Display Line

-22.44 dBm

On

Off

Select Freq Line

Freq Line 1

Freq Line

1.0000 GHz

On

Off

Nov 24, 2022 11:20:10 AM

[illegible]

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Figure 17: The plots of Conducted Spurious Emission & Authorized-band band-edge, 2442MHz, Carrier Level

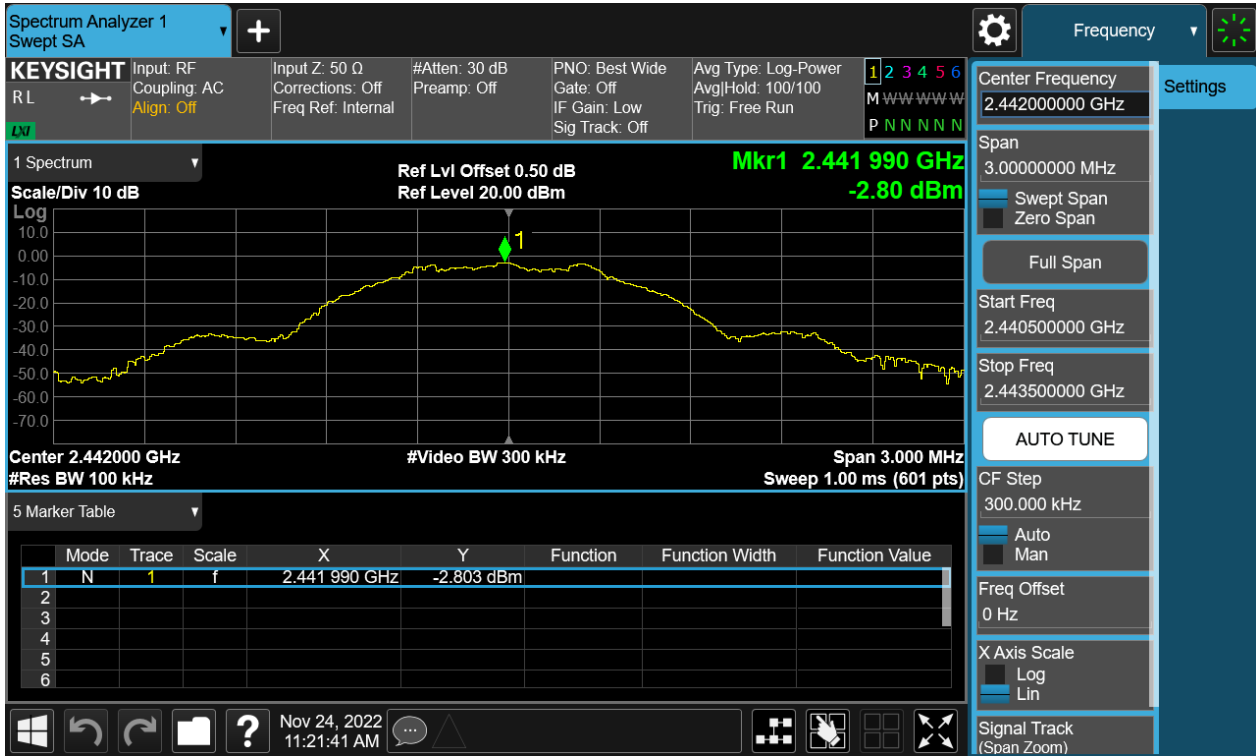
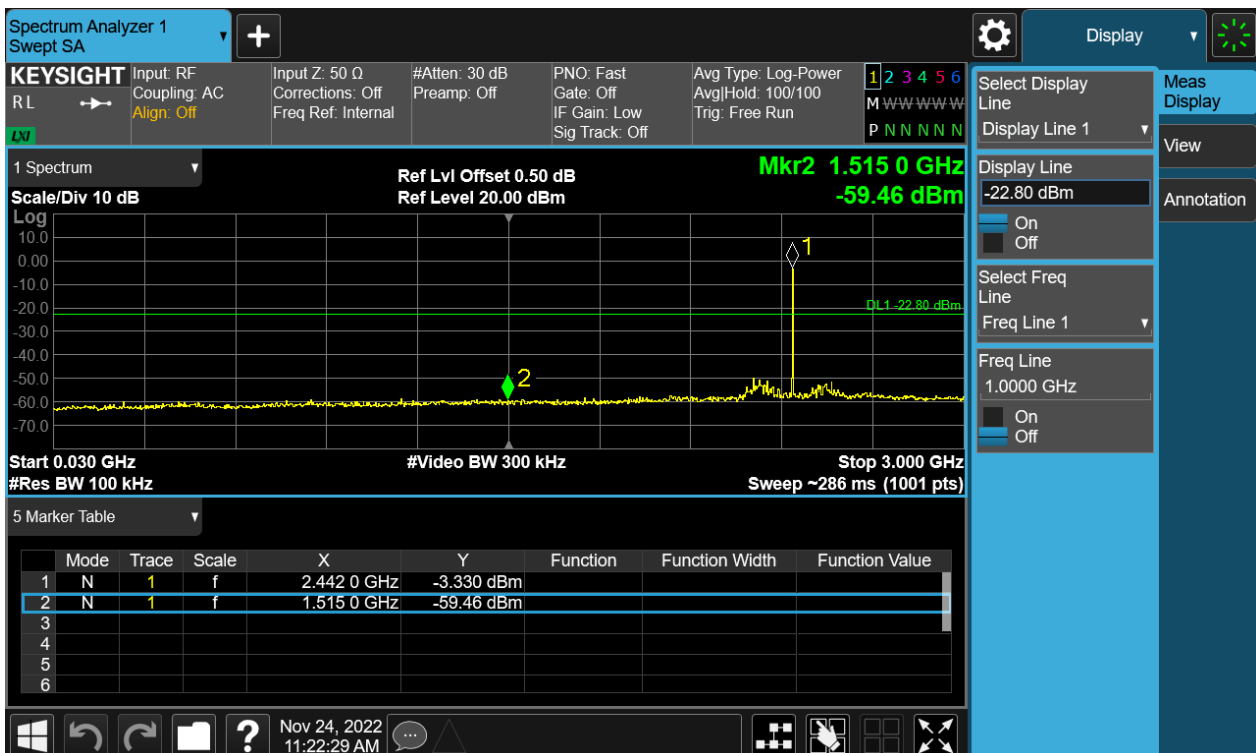


Figure 18: The plots of Conducted Spurious Emission & Authorized-band band-edge, 2442MHz, Conducted spurious emissions 30MHz-3GHz



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Figure 19: The plots of Conducted Spurious Emission & Authorized-band band-edge, 2442MHz, Conducted spurious emissions 2GHz-25GHz



Figure 20: The plots of Conducted Spurious Emission & Authorized-band band-edge, 2480MHz, Carrier Level



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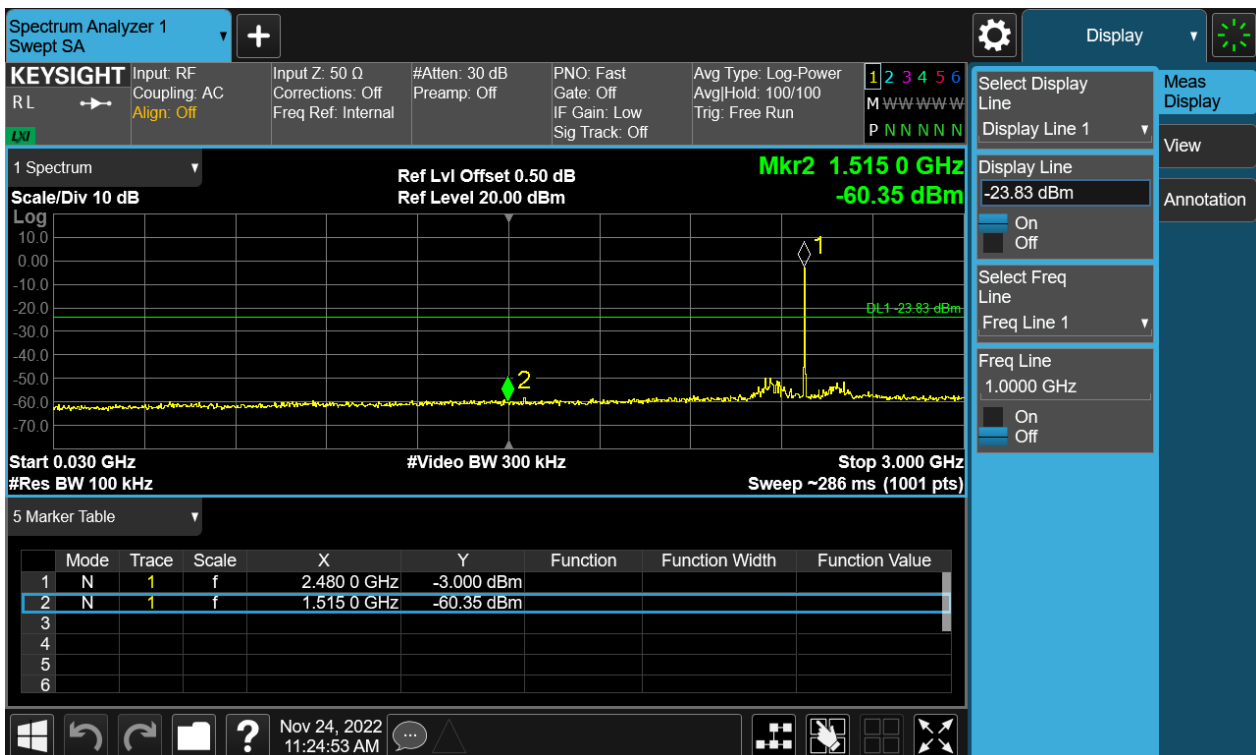
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Figure 21: The plots of Conducted Spurious Emission & Authorized-band band-edge, 2480MHz, Band Edge



Figure 22: The plots of Conducted Spurious Emission & Authorized-band band-edge, 2480MHz, Conducted spurious emissions 30MHz-3GHz



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Figure 23: The plots of Conducted Spurious Emission & Authorized-band band-edge, 2480MHz, Conducted spurious emissions 2GMHz-25GHz



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4.1.6 Radiated Emission

RESULT:

PASS

Test standard	: FCC Part 15.247(d), 15.205, 15.209 RSS-GEN 8.9
Requirement	: ANSI C63.10-2013 clause 11.12, KDB 558074 clause 8.6
Kind of test site	: 3m Semi-Anechoic Chamber

Test setup

Test Channel	: Low/Middle/High
Operation Mode	: A.i/ii/iii
Ambient temperature	: 21°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.

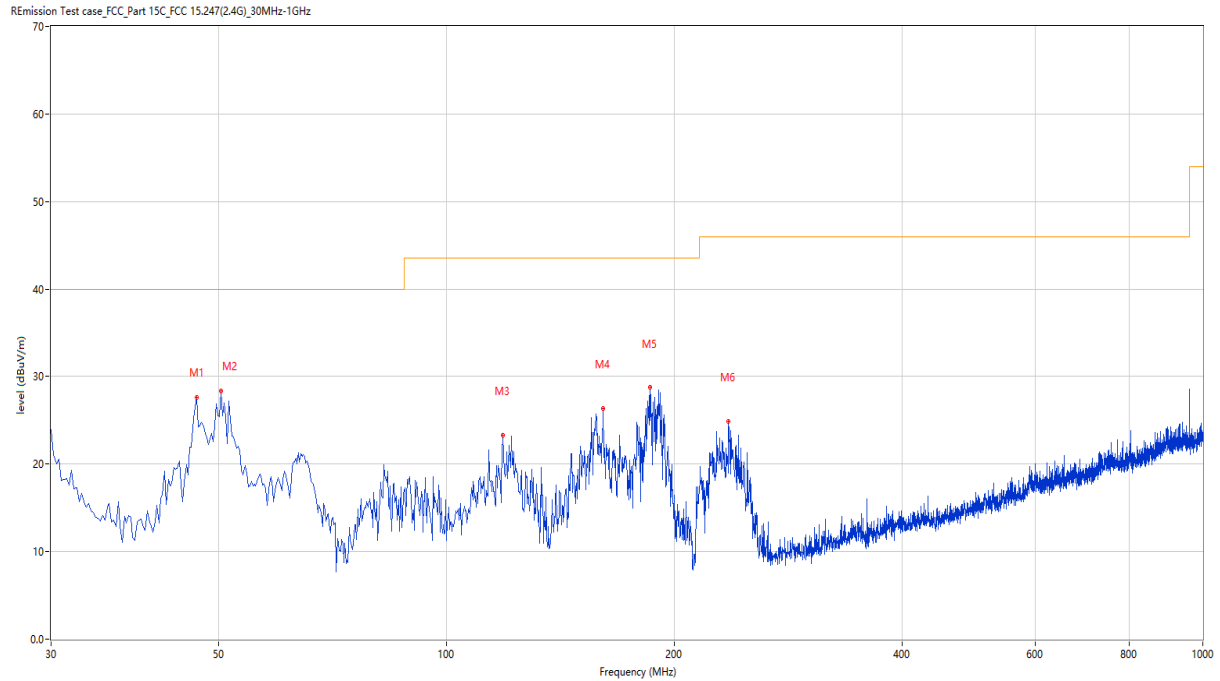
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Figure 24: The plots of Radiated Emission, 2403MHz,30MHz-1GHz, Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	46.728	27.61	-25.17	40.0	-12.39	Peak	223.70	150	Horizontal	Pass
2	50.365	28.36	-25.02	40.0	-11.64	Peak	210.00	150	Horizontal	Pass
3	118.733	23.34	-28.13	43.5	-20.16	Peak	284.70	150	Horizontal	Pass
4	161.160	26.37	-29.39	43.5	-17.13	Peak	336.10	150	Horizontal	Pass
5	185.646	28.74	-27.54	43.5	-14.76	Peak	315.30	100	Horizontal	Pass
6	236.073	24.90	-25.40	46.0	-21.10	Peak	65.20	100	Horizontal	Pass

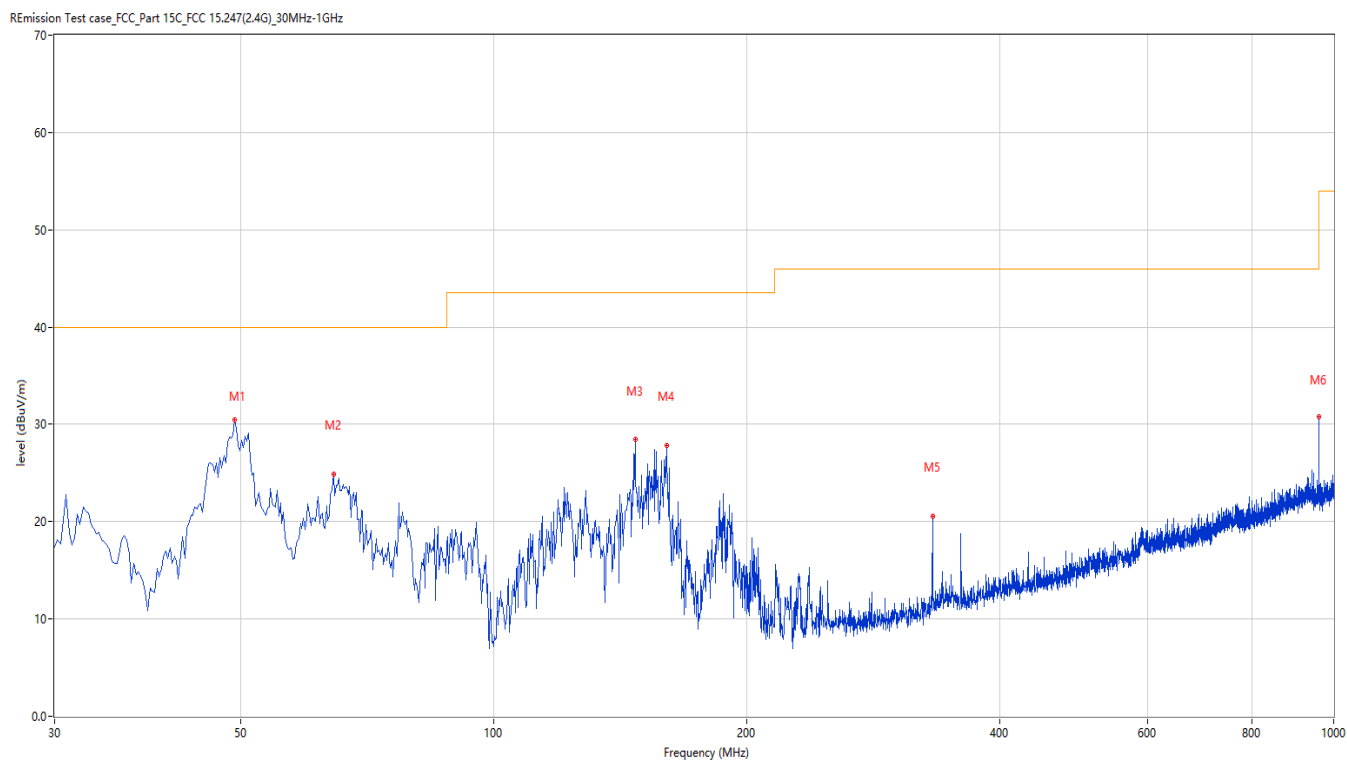
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Figure 25: The plots of Radiated Emission, 2403MHz,30MHz-1GHz, Vertical polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	49.153	30.47	-25.05	40.0	-9.53	Peak	356.20	100	Vertical	Pass
2	64.426	24.89	-27.48	40.0	-15.11	Peak	170.90	100	Vertical	Pass
3	147.341	28.44	-29.99	43.5	-15.06	Peak	134.10	100	Vertical	Pass
4	160.675	27.88	-29.42	43.5	-15.62	Peak	111.70	100	Vertical	Pass
5	333.049	20.60	-22.53	46.0	-25.40	Peak	79.00	100	Vertical	Pass
6	959.755	30.79	-9.31	46.0	-15.21	Peak	1.40	100	Vertical	Pass

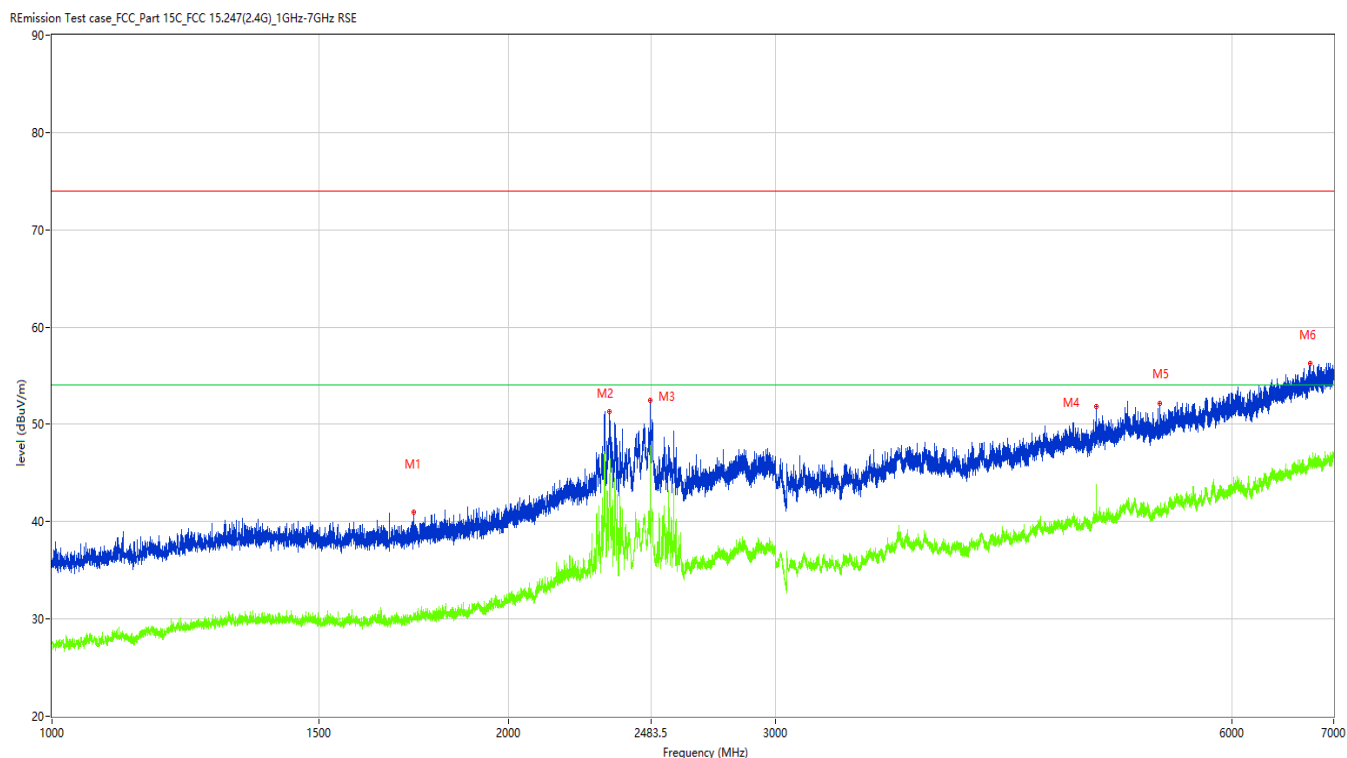
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Figure 26: The plots of Radiated Emission, 2403MHz,1GHz-7GHz, Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1730.909	40.93	-12.42	74.0	-33.07	Peak	282.90	100	Horizontal	Pass
1**	1730.909	29.90	-12.42	54.0	-24.10	AV	282.90	100	Horizontal	Pass
2	2331.334	51.35	-8.09	74.0	-22.65	Peak	287.40	100	Horizontal	Pass
2**	2331.334	44.12	-8.09	54.0	-9.88	AV	287.40	100	Horizontal	Pass
3	2479.315	52.49	-2.02	74.0	-21.51	Peak	315.70	100	Horizontal	Pass
3**	2479.315	47.80	-2.02	54.0	-6.20	AV	315.70	100	Horizontal	Pass
4	4883.265	51.88	0.06	74.0	-22.12	Peak	309.80	100	Horizontal	Pass
4**	4883.265	43.86	0.06	54.0	-10.14	AV	309.80	100	Horizontal	Pass
5	5376.203	52.19	0.61	74.0	-21.81	Peak	253.30	100	Horizontal	Pass
5**	5376.203	41.03	0.61	54.0	-12.97	AV	253.30	100	Horizontal	Pass
6	6753.531	56.22	4.89	74.0	-17.78	Peak	110.00	100	Horizontal	Pass
6**	6753.531	45.92	4.89	54.0	-8.08	AV	110.00	100	Horizontal	Pass

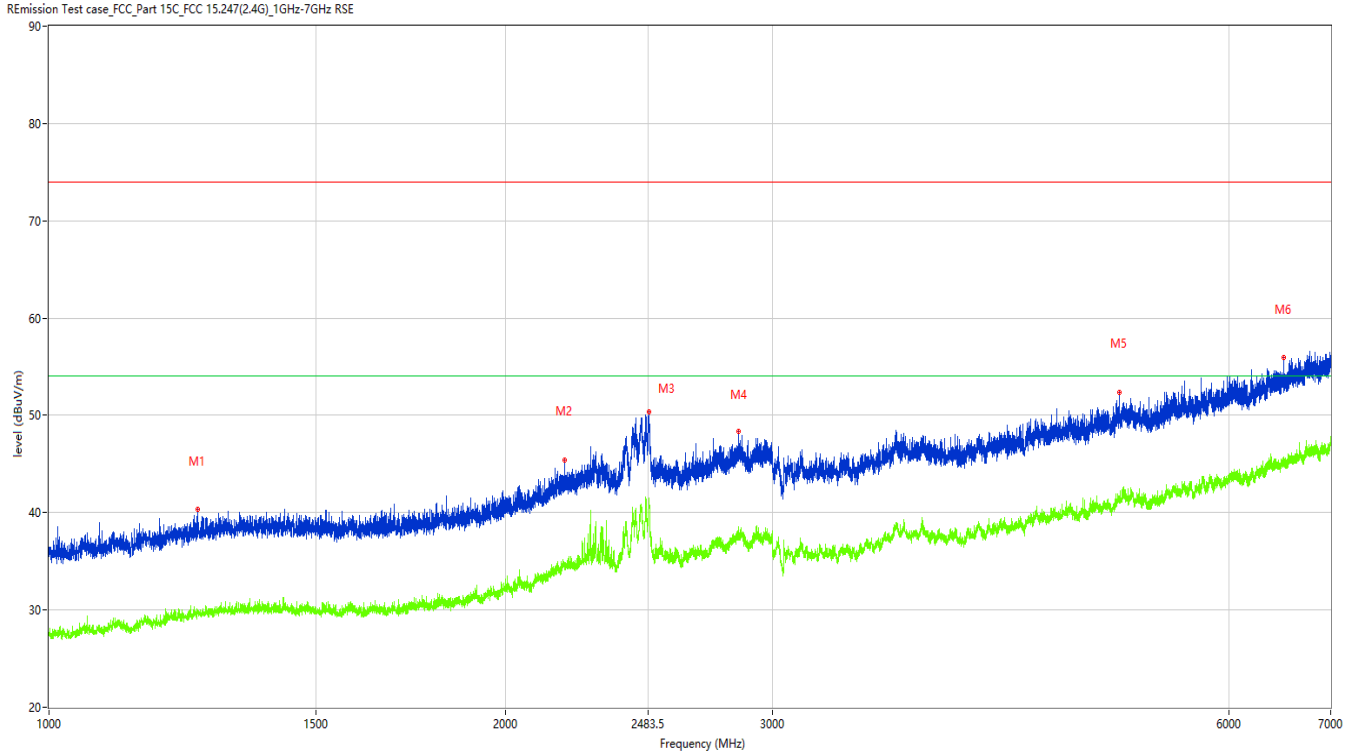
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Figure 27: The plots of Radiated Emission, 2403MHz,1GHz-7GHz, Vertical polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1252.468	40.34	-13.22	74.0	-33.66	Peak	264.50	100	Vertical	Pass
1**	1252.468	29.97	-13.22	54.0	-24.03	AV	264.50	100	Vertical	Pass
2	2188.351	45.44	-8.01	74.0	-28.56	Peak	269.00	100	Vertical	Pass
2**	2188.351	34.64	-8.01	54.0	-19.36	AV	269.00	100	Vertical	Pass
3	2487.314	50.32	-1.89	74.0	-23.68	Peak	282.80	100	Vertical	Pass
3**	2487.314	41.12	-1.89	54.0	-12.88	AV	282.80	100	Vertical	Pass
4	2849.769	48.34	-3.87	74.0	-25.66	Peak	79.20	100	Vertical	Pass
4**	2849.769	37.21	-3.87	54.0	-16.79	AV	79.20	100	Vertical	Pass
5	5079.740	52.41	1.11	74.0	-21.59	Peak	157.20	100	Vertical	Pass
5**	5079.740	41.44	1.11	54.0	-12.56	AV	157.20	100	Vertical	Pass
6	6515.061	55.95	4.02	74.0	-18.05	Peak	296.10	100	Vertical	Pass
6**	6515.061	45.09	4.02	54.0	-8.91	AV	296.10	100	Vertical	Pass

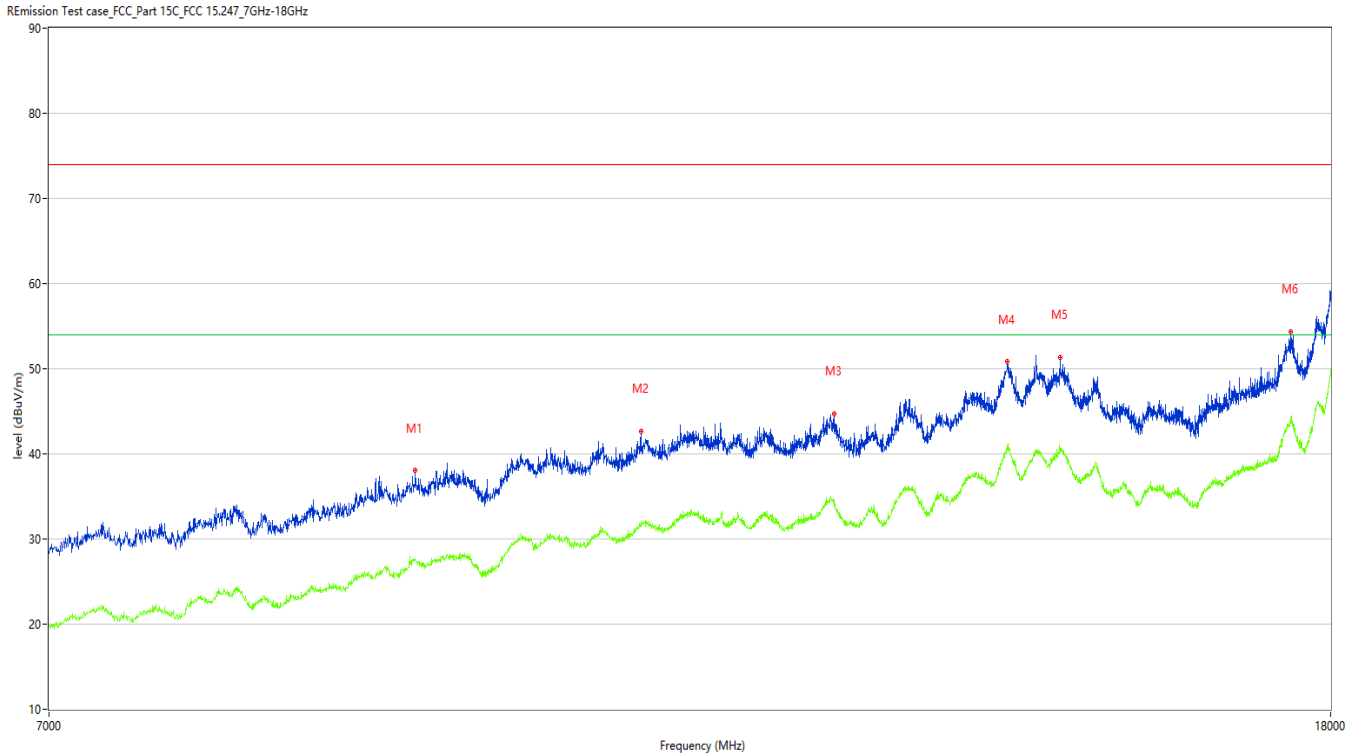
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Figure 28: The plots of Radiated Emission, 2403MHz,7GHz-18GHz, Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	9169.208	38.06	7.29	74.0	-35.94	Peak	159.90	100	Horizontal	Pass
1**	9169.208	27.54	7.29	54.0	-26.46	AV	159.90	100	Horizontal	Pass
2	10827.043	42.71	10.85	74.0	-31.29	Peak	261.10	100	Horizontal	Pass
2**	10827.043	31.49	10.85	54.0	-22.51	AV	261.10	100	Horizontal	Pass
3	12482.129	44.72	12.17	74.0	-29.28	Peak	284.90	100	Horizontal	Pass
3**	12482.129	34.62	12.17	54.0	-19.38	AV	284.90	100	Horizontal	Pass
4	14186.703	50.80	19.72	74.0	-23.20	Peak	250.30	100	Horizontal	Pass
4**	14186.703	40.94	19.72	54.0	-13.06	AV	250.30	100	Horizontal	Pass
5	14747.563	51.37	18.69	74.0	-22.63	Peak	289.70	100	Horizontal	Pass
5**	14747.563	40.24	18.69	54.0	-13.76	AV	289.70	100	Horizontal	Pass
6	17477.631	54.39	21.40	74.0	-19.61	Peak	360.00	100	Horizontal	Pass
6**	17477.631	43.89	21.40	54.0	-10.11	AV	360.00	100	Horizontal	Pass

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Figure 29: The plots of Radiated Emission, 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	8600.100	34.67	4.39	74.0	-39.33	Peak	1.10	100	Vertical	Pass
1**	8600.100	23.61	4.39	54.0	-30.39	AV	1.10	100	Vertical	Pass
2	11148.713	44.03	10.85	74.0	-29.97	Peak	7.20	100	Vertical	Pass
2**	11148.713	32.75	10.85	54.0	-21.25	AV	7.20	100	Vertical	Pass
3	11880.030	43.80	12.00	74.0	-30.20	Peak	41.40	100	Vertical	Pass
3**	11880.030	32.78	12.00	54.0	-21.22	AV	41.40	100	Vertical	Pass
4	14197.701	51.12	19.55	74.0	-22.88	Peak	128.10	100	Vertical	Pass
4**	14197.701	40.36	19.55	54.0	-13.64	AV	128.10	100	Vertical	Pass
5	15165.459	48.56	14.67	74.0	-25.44	Peak	134.40	100	Vertical	Pass
5**	15165.459	37.93	14.67	54.0	-16.07	AV	134.40	100	Vertical	Pass
6	17518.870	53.66	20.75	74.0	-20.34	Peak	102.00	100	Vertical	Pass
6**	17518.870	42.86	20.75	54.0	-11.14	AV	102.00	100	Vertical	Pass

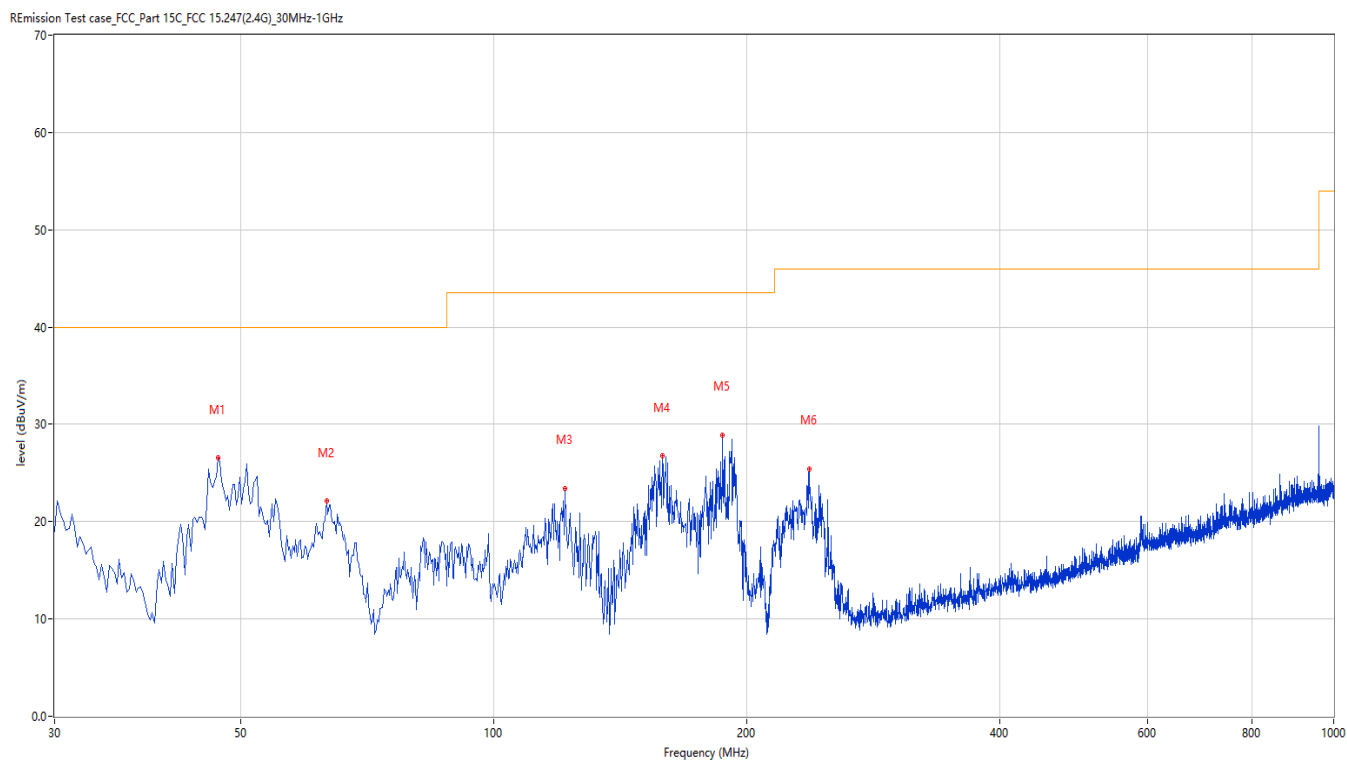
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Figure 30: The plots of Radiated Emission, 2442MHz,30MHz-1GHz, Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	46.971	26.56	-25.15	40.0	-13.44	Peak	209.50	150	Horizontal	Pass
2	63.214	22.12	-27.11	40.0	-17.88	Peak	300.30	150	Horizontal	Pass
3	121.642	23.43	-28.54	43.5	-20.07	Peak	286.60	150	Horizontal	Pass
4	158.735	26.73	-29.51	43.5	-16.77	Peak	328.30	150	Horizontal	Pass
5	187.343	28.93	-27.30	43.5	-14.57	Peak	323.40	150	Horizontal	Pass
6	237.528	25.44	-25.36	46.0	-20.56	Peak	76.60	100	Horizontal	Pass

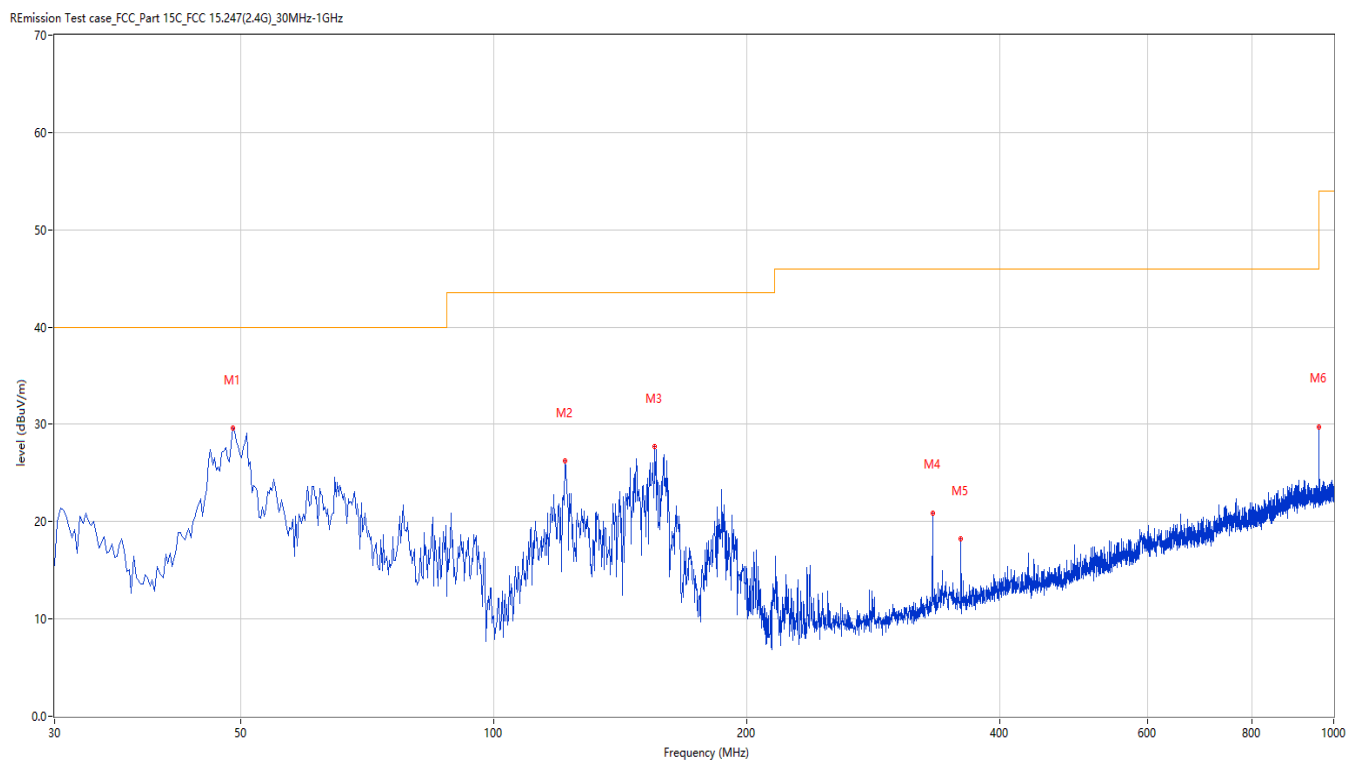
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Figure 31: The plots of Radiated Emission, 2442MHz,30MHz-1GHz, Vertical polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	48.910	29.60	-25.06	40.0	-10.40	Peak	356.40	100	Vertical	Pass
2	121.642	26.21	-28.54	43.5	-17.29	Peak	92.90	100	Vertical	Pass
3	155.584	27.72	-29.68	43.5	-15.78	Peak	124.50	100	Vertical	Pass
4	333.049	20.92	-22.53	46.0	-25.08	Peak	133.40	100	Vertical	Pass
5	359.960	18.21	-22.28	46.0	-27.79	Peak	137.90	100	Vertical	Pass
6	959.513	29.75	-9.31	46.0	-16.25	Peak	271.00	150	Vertical	Pass

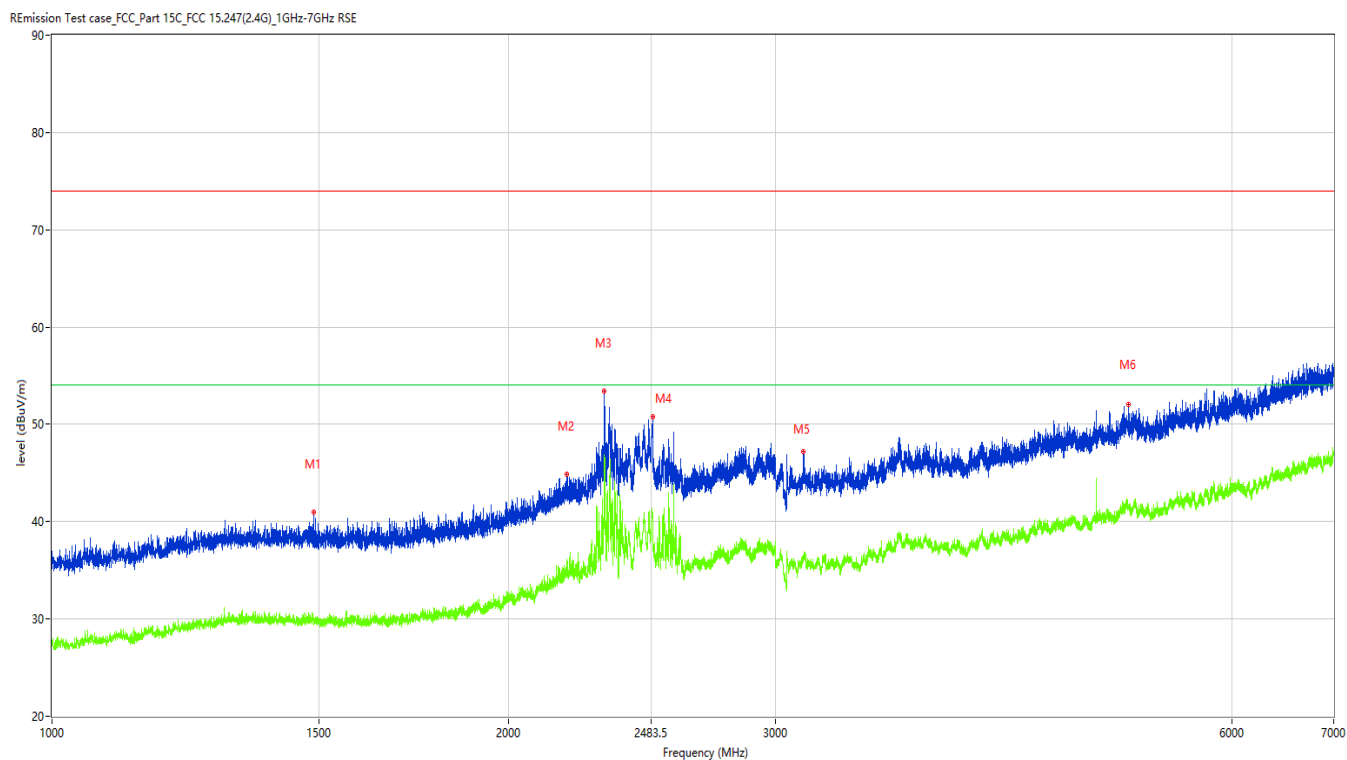
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Figure 32: The plots of Radiated Emission, 2442MHz,1GHz-7GHz, Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1487.939	40.97	-13.02	74.0	-33.03	Peak	148.90	100	Horizontal	Pass
1**	1487.939	29.82	-13.02	54.0	-24.18	AV	148.90	100	Horizontal	Pass
2	2183.602	44.85	-8.13	74.0	-29.15	Peak	252.40	100	Horizontal	Pass
2**	2183.602	35.28	-8.13	54.0	-18.72	AV	252.40	100	Horizontal	Pass
3	2313.836	53.38	-7.34	74.0	-20.62	Peak	116.50	100	Horizontal	Pass
3**	2313.836	46.88	-7.34	54.0	-7.12	AV	116.50	100	Horizontal	Pass
4	2488.314	50.73	-1.88	74.0	-23.27	Peak	36.20	100	Horizontal	Pass
4**	2488.314	40.64	-1.88	54.0	-13.36	AV	36.20	100	Horizontal	Pass
5	3128.984	47.24	-4.90	74.0	-26.76	Peak	165.00	100	Horizontal	Pass
5**	3128.984	36.11	-4.90	54.0	-17.89	AV	165.00	100	Horizontal	Pass
6	5126.734	52.00	1.23	74.0	-22.00	Peak	262.60	100	Horizontal	Pass
6**	5126.734	41.40	1.23	54.0	-12.60	AV	262.60	100	Horizontal	Pass

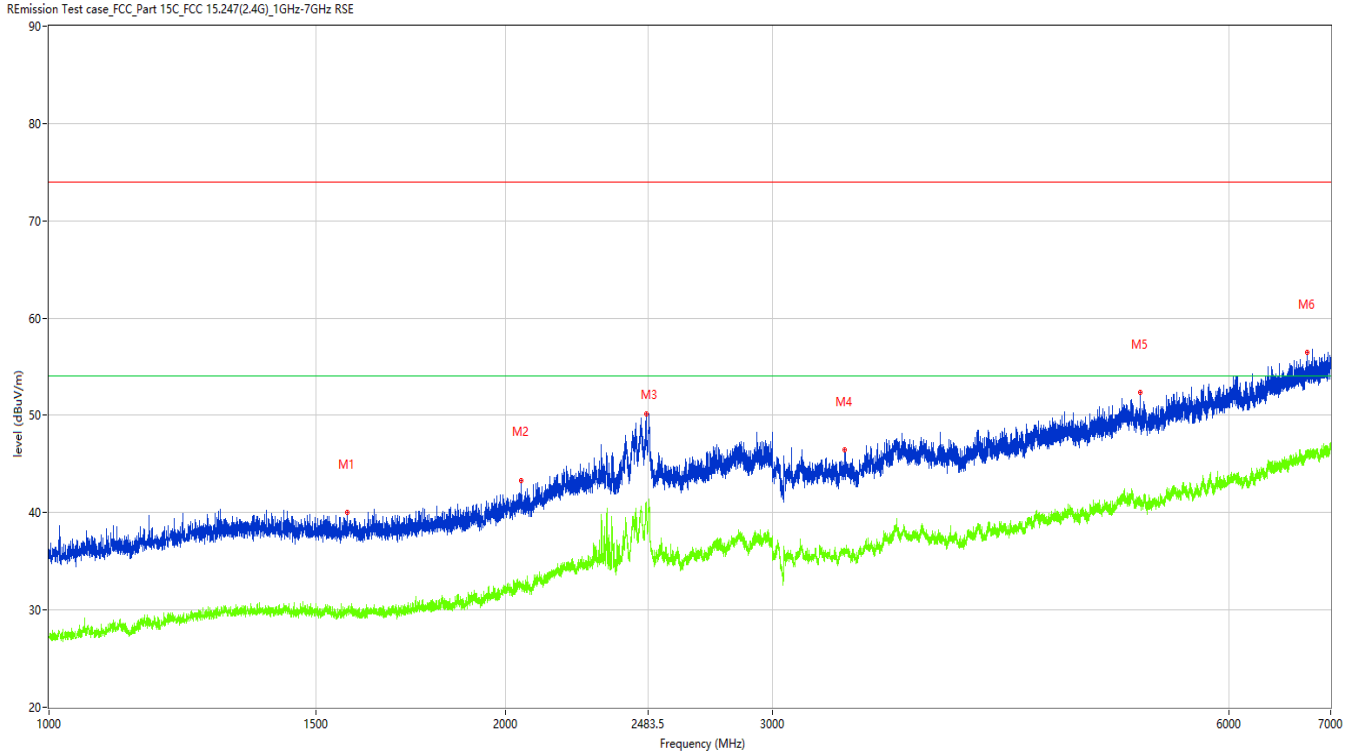
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Figure 33: The plots of Radiated Emission, 2442MHz,1GHz-7GHz, Vertical polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1572.928	40.03	-12.99	74.0	-33.97	Peak	342.40	100	Vertical	Pass
1**	1572.928	29.70	-12.99	54.0	-24.30	AV	342.40	100	Vertical	Pass
2	2047.119	43.35	-10.34	74.0	-30.65	Peak	123.20	100	Vertical	Pass
2**	2047.119	32.47	-10.34	54.0	-21.53	AV	123.20	100	Vertical	Pass
3	2476.315	50.17	-2.10	74.0	-23.83	Peak	276.90	100	Vertical	Pass
3**	2476.315	41.06	-2.10	54.0	-12.94	AV	276.90	100	Vertical	Pass
4	3348.456	46.46	-4.07	74.0	-27.54	Peak	136.90	100	Vertical	Pass
4**	3348.456	36.32	-4.07	54.0	-17.68	AV	136.90	100	Vertical	Pass
5	5244.719	52.33	0.46	74.0	-21.67	Peak	358.40	100	Vertical	Pass
5**	5244.719	40.83	0.46	54.0	-13.17	AV	358.40	100	Vertical	Pass
6	6755.531	56.44	4.91	74.0	-17.56	Peak	360.00	100	Vertical	Pass
6**	6755.531	46.42	4.91	54.0	-7.58	AV	360.00	100	Vertical	Pass

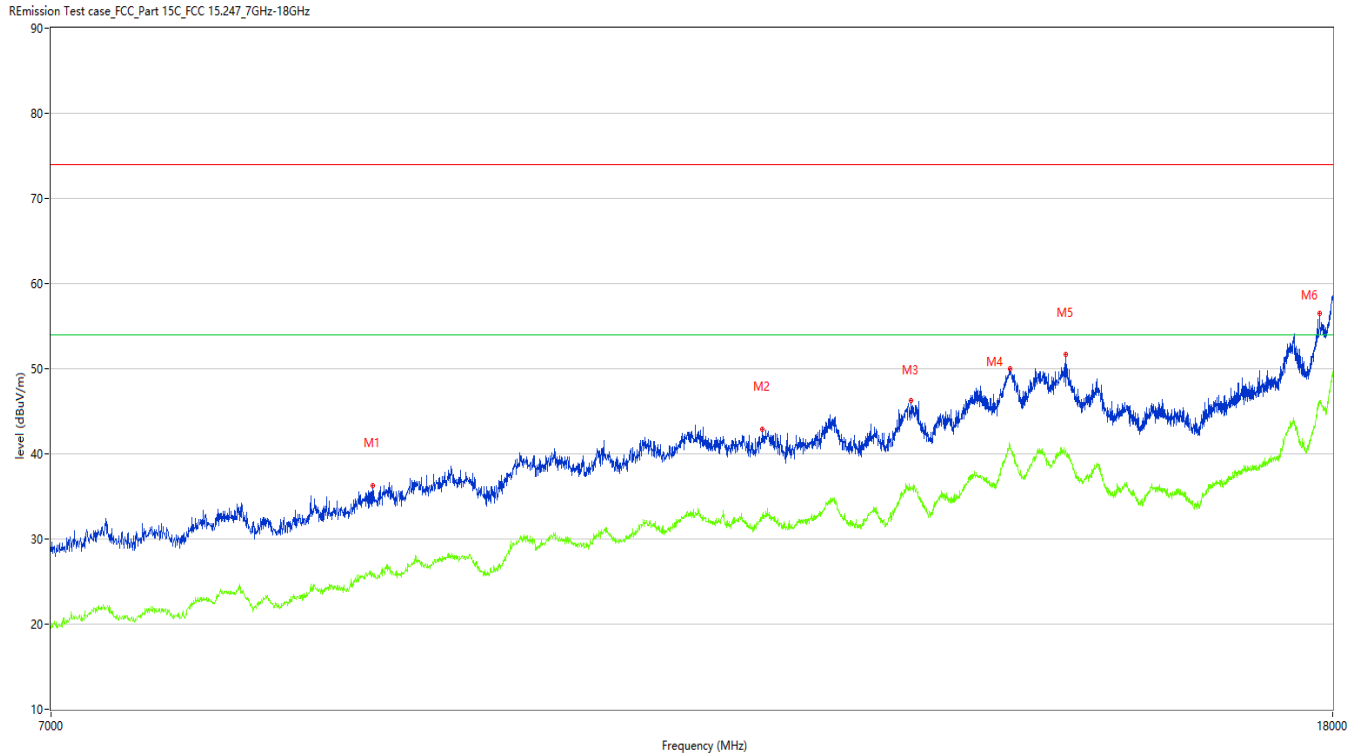
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Figure 34: The plots of Radiated Emission, 2442MHz,7GHz-18GHz, Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	8872.282	36.04	5.35	74.0	-37.96	Peak	112.50	100	Horizontal	Pass
1**	8872.282	25.73	5.35	54.0	-28.27	AV	112.50	100	Horizontal	Pass
2	11825.044	42.94	11.39	74.0	-31.06	Peak	236.40	100	Horizontal	Pass
2**	11825.044	32.55	11.39	54.0	-21.45	AV	236.40	100	Horizontal	Pass
3	13191.452	46.27	14.07	74.0	-27.73	Peak	277.00	100	Horizontal	Pass
3**	13191.452	35.58	14.07	54.0	-18.42	AV	277.00	100	Horizontal	Pass
4	14192.202	50.01	19.67	74.0	-23.99	Peak	170.20	100	Horizontal	Pass
4**	14192.202	40.60	19.67	54.0	-13.40	AV	170.20	100	Horizontal	Pass
5	14788.803	51.63	18.48	74.0	-22.37	Peak	53.70	100	Horizontal	Pass
5**	14788.803	40.51	18.48	54.0	-13.49	AV	53.70	100	Horizontal	Pass
6	17829.543	56.46	22.36	74.0	-17.54	Peak	347.70	100	Horizontal	Pass
6**	17829.543	46.30	22.36	54.0	-7.70	AV	347.70	100	Horizontal	Pass

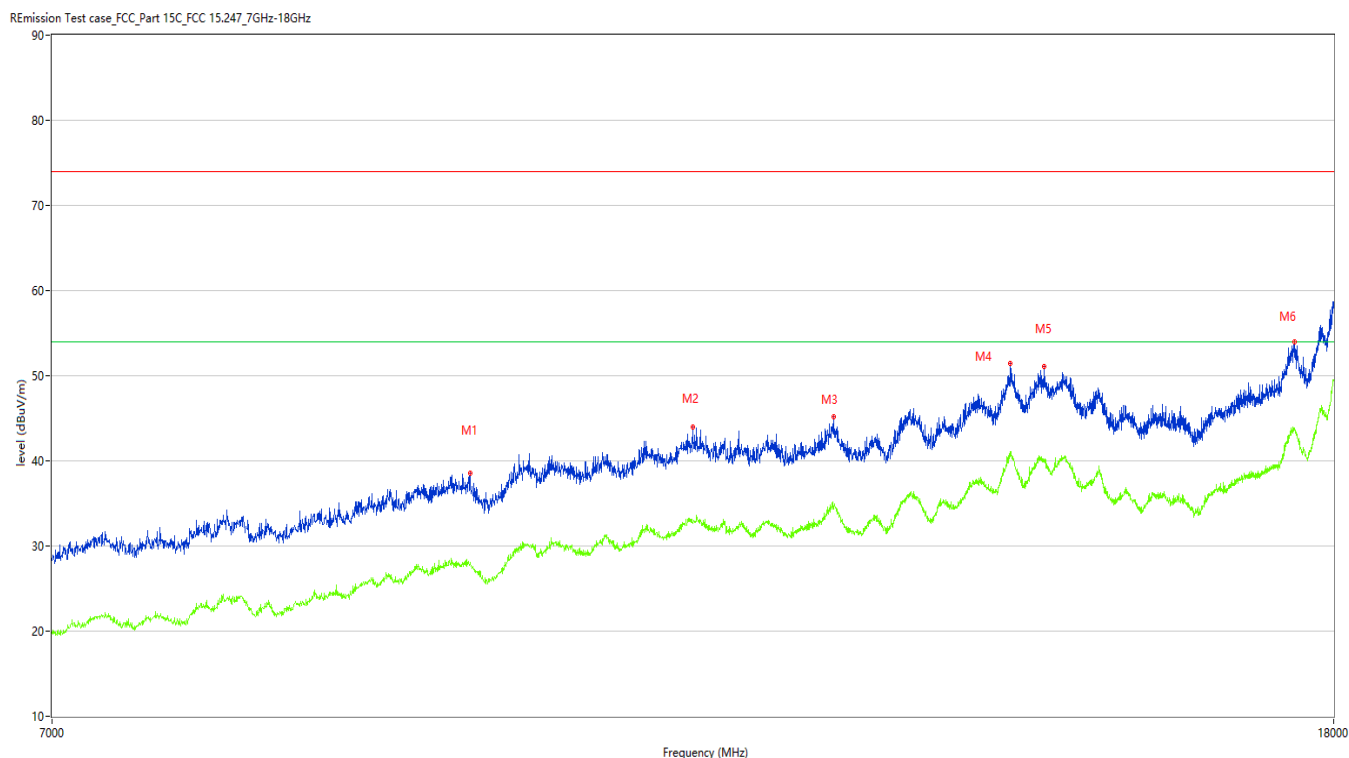
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Figure 35: The plots of Radiated Emission, 2442MHz,7GHz-18GHz, Vertical polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	9526.618	38.58	8.11	74.0	-35.42	Peak	360.00	100	Vertical	Pass
1**	9526.618	27.64	8.11	54.0	-26.36	AV	360.00	100	Vertical	Pass
2	11222.944	43.92	11.53	74.0	-30.08	Peak	240.90	100	Vertical	Pass
2**	11222.944	32.65	11.53	54.0	-21.35	AV	240.90	100	Vertical	Pass
3	12449.138	45.19	12.50	74.0	-28.81	Peak	287.80	100	Vertical	Pass
3**	12449.138	34.30	12.50	54.0	-19.70	AV	287.80	100	Vertical	Pass
4	14186.703	51.39	19.72	74.0	-22.61	Peak	240.90	100	Vertical	Pass
4**	14186.703	40.98	19.72	54.0	-13.02	AV	240.90	100	Vertical	Pass
5	14544.114	51.08	17.38	74.0	-22.92	Peak	236.40	100	Vertical	Pass
5**	14544.114	40.15	17.38	54.0	-13.85	AV	236.40	100	Vertical	Pass
6	17483.129	54.03	21.50	74.0	-19.97	Peak	202.90	100	Vertical	Pass
6**	17483.129	43.91	21.50	54.0	-10.09	AV	202.90	100	Vertical	Pass

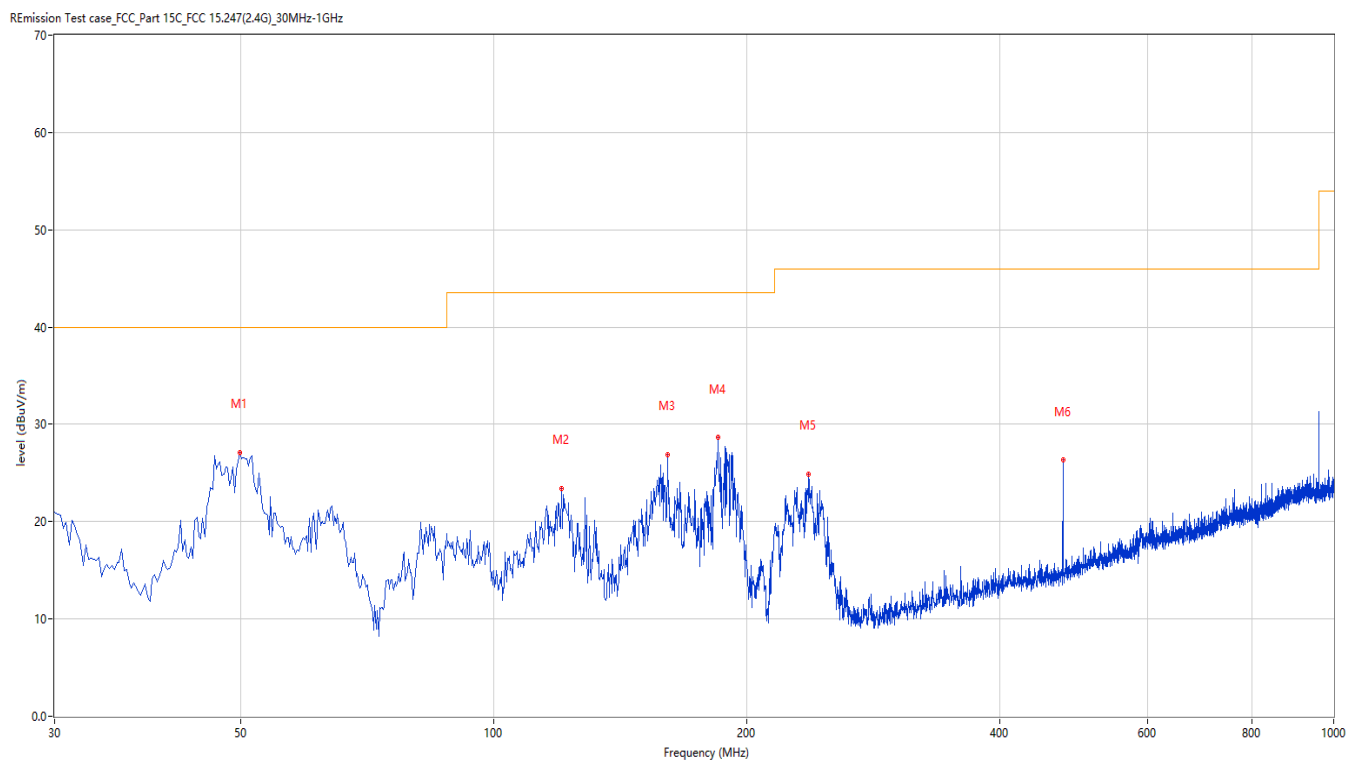
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Figure 36: The plots of Radiated Emission, 2480MHz,30MHz-1GHz, Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	49.880	27.11	-25.02	40.0	-12.89	Peak	195.80	150	Horizontal	Pass
2	120.430	23.44	-28.37	43.5	-20.06	Peak	27.50	150	Horizontal	Pass
3	161.160	26.89	-29.39	43.5	-16.61	Peak	321.10	150	Horizontal	Pass
4	184.919	28.66	-27.64	43.5	-14.84	Peak	322.40	150	Horizontal	Pass
5	237.043	24.91	-25.38	46.0	-21.09	Peak	261.20	150	Horizontal	Pass
6	476.331	26.34	-19.47	46.0	-19.66	Peak	307.30	150	Horizontal	Pass

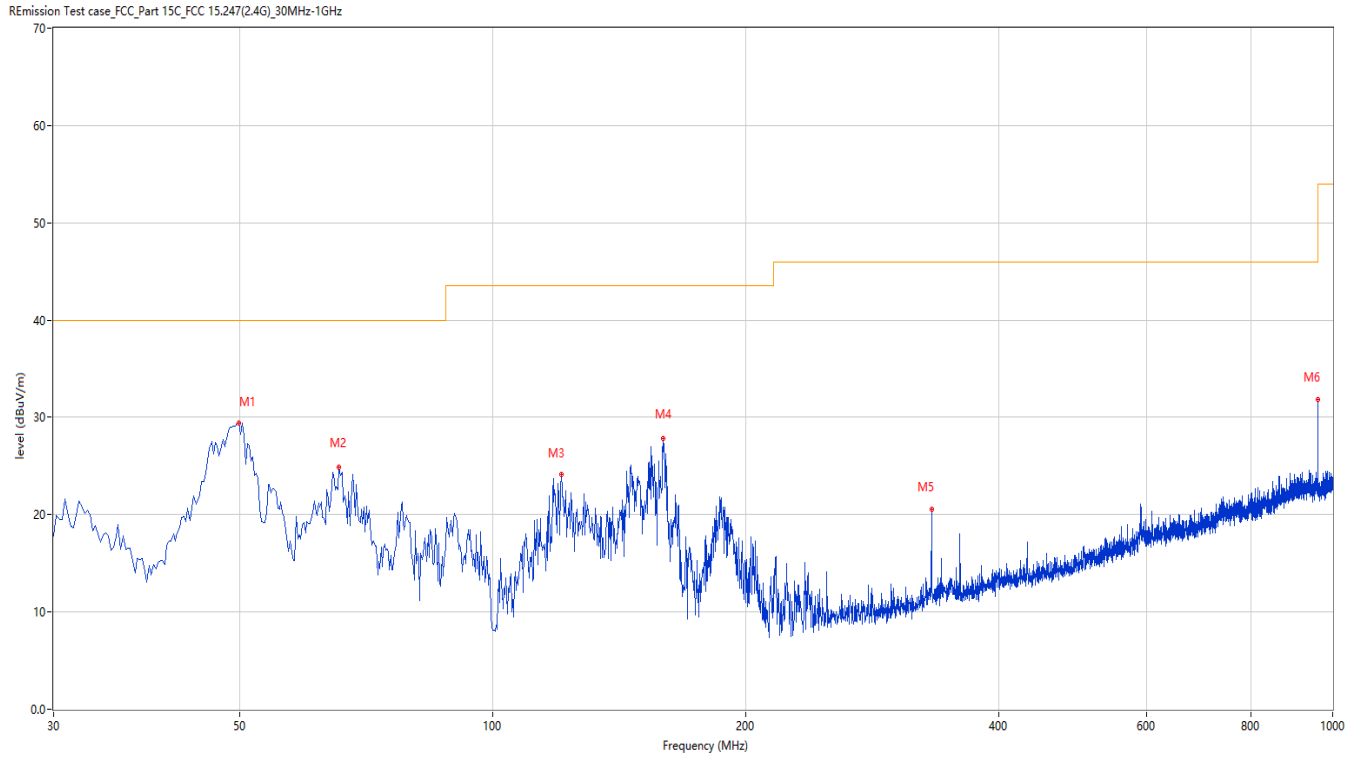
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Figure 37: The plots of Radiated Emission, 2480MHz,30MHz-1GHz, Vertical polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	49.880	29.42	-25.02	40.0	-10.58	Peak	0.00	150	Vertical	Pass
2	65.639	24.88	-27.87	40.0	-15.12	Peak	195.00	100	Vertical	Pass
3	120.672	24.10	-28.39	43.5	-19.40	Peak	83.00	150	Vertical	Pass
4	159.705	27.81	-29.47	43.5	-15.69	Peak	122.10	100	Vertical	Pass
5	333.292	20.51	-22.51	46.0	-25.49	Peak	112.40	100	Vertical	Pass
6	959.513	31.86	-9.31	46.0	-14.14	Peak	0.00	150	Vertical	Pass

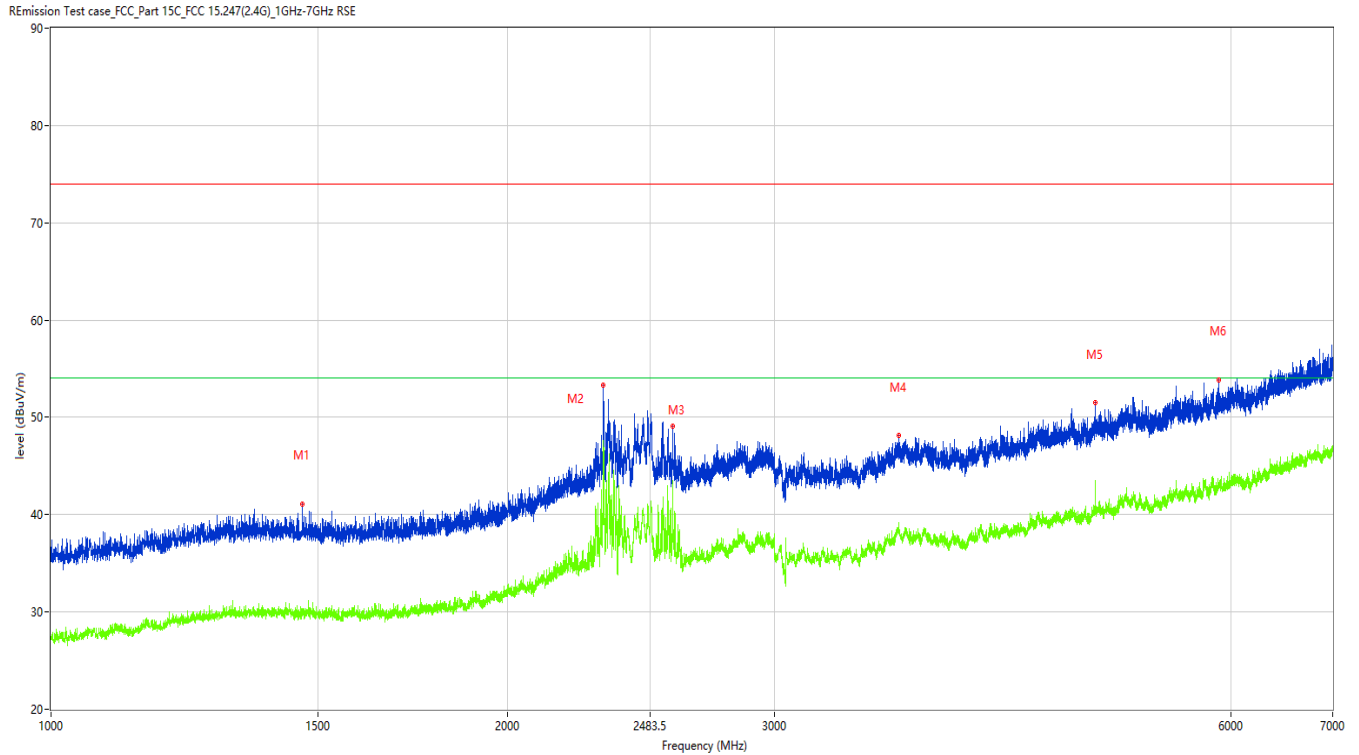
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Figure 38: The plots of Radiated Emission, 2480MHz,1GHz-7GHz, Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1464.442	41.10	-12.93	74.0	-32.90	Peak	0.00	100	Horizontal	Pass
1**	1464.442	29.55	-12.93	54.0	-24.45	AV	0.00	100	Horizontal	Pass
2	2313.836	53.34	-7.34	74.0	-20.66	Peak	113.60	100	Horizontal	Pass
2**	2313.836	47.62	-7.34	54.0	-6.38	AV	113.60	100	Horizontal	Pass
3	2569.804	49.08	-6.77	74.0	-24.92	Peak	60.80	100	Horizontal	Pass
3**	2569.804	43.51	-6.77	54.0	-10.49	AV	60.80	100	Horizontal	Pass
4	3623.922	48.10	-1.60	74.0	-25.90	Peak	350.00	100	Horizontal	Pass
4**	3623.922	38.57	-1.60	54.0	-15.43	AV	350.00	100	Horizontal	Pass
5	4883.765	51.48	0.06	74.0	-22.52	Peak	350.00	100	Horizontal	Pass
5**	4883.765	43.52	0.06	54.0	-10.48	AV	350.00	100	Horizontal	Pass
6	5885.139	53.88	2.14	74.0	-20.12	Peak	276.70	100	Horizontal	Pass
6**	5885.139	43.11	2.14	54.0	-10.89	AV	276.70	100	Horizontal	Pass

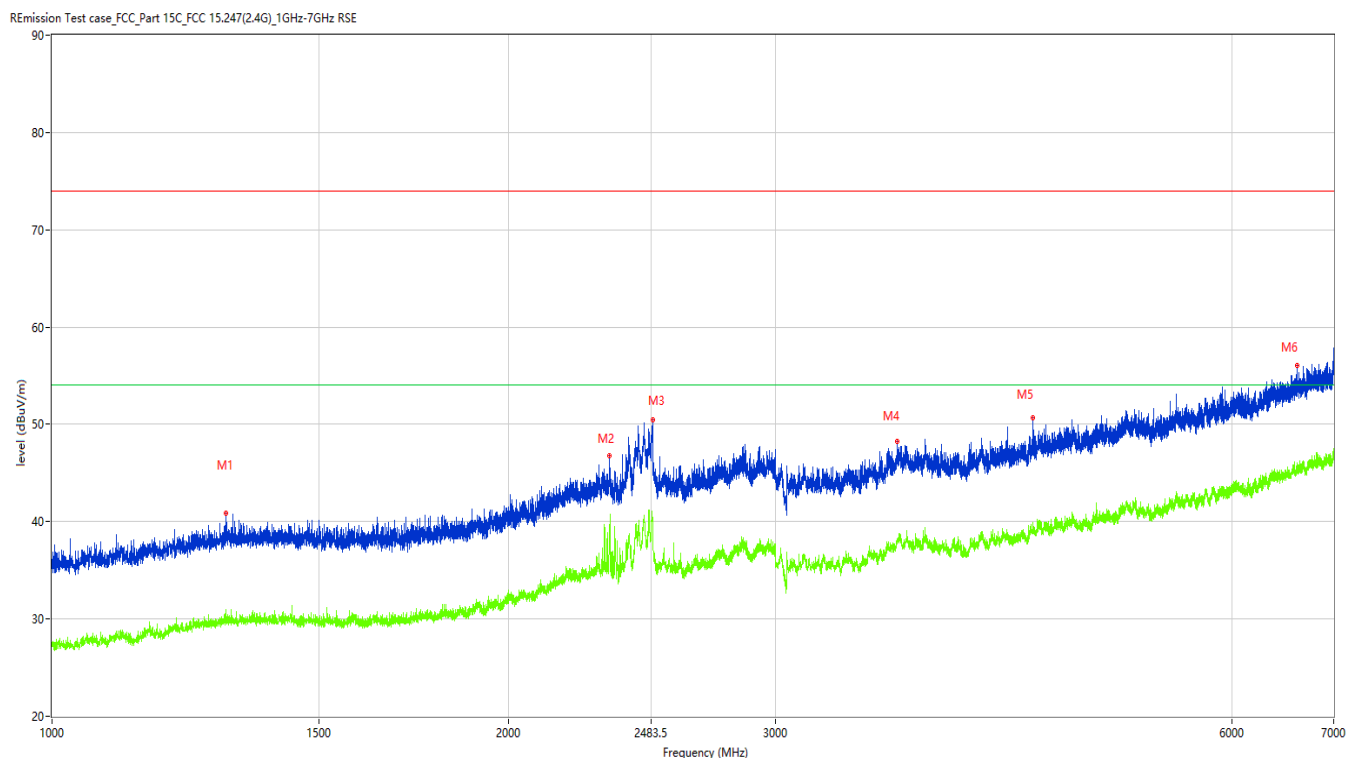
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Figure 39: The plots of Radiated Emission, 2480MHz,1GHz-7GHz, Vertical polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1301.462	40.85	-12.75	74.0	-33.15	Peak	99.80	100	Vertical	Pass
1**	1301.462	30.98	-12.75	54.0	-23.02	AV	99.80	100	Vertical	Pass
2	2331.584	46.74	-8.09	74.0	-27.26	Peak	75.70	100	Vertical	Pass
2**	2331.584	38.14	-8.09	54.0	-15.86	AV	75.70	100	Vertical	Pass
3	2488.314	50.47	-1.88	74.0	-23.53	Peak	338.40	100	Vertical	Pass
3**	2488.314	40.41	-1.88	54.0	-13.59	AV	338.40	100	Vertical	Pass
4	3609.424	48.26	-1.99	74.0	-25.74	Peak	15.40	100	Vertical	Pass
4**	3609.424	38.26	-1.99	54.0	-15.74	AV	15.40	100	Vertical	Pass
5	4431.321	50.65	-0.95	74.0	-23.35	Peak	313.10	100	Vertical	Pass
5**	4431.321	39.88	-0.95	54.0	-14.12	AV	313.10	100	Vertical	Pass
6	6624.547	56.07	4.42	74.0	-17.93	Peak	318.70	100	Vertical	Pass
6**	6624.547	46.06	4.42	54.0	-7.94	AV	318.70	100	Vertical	Pass

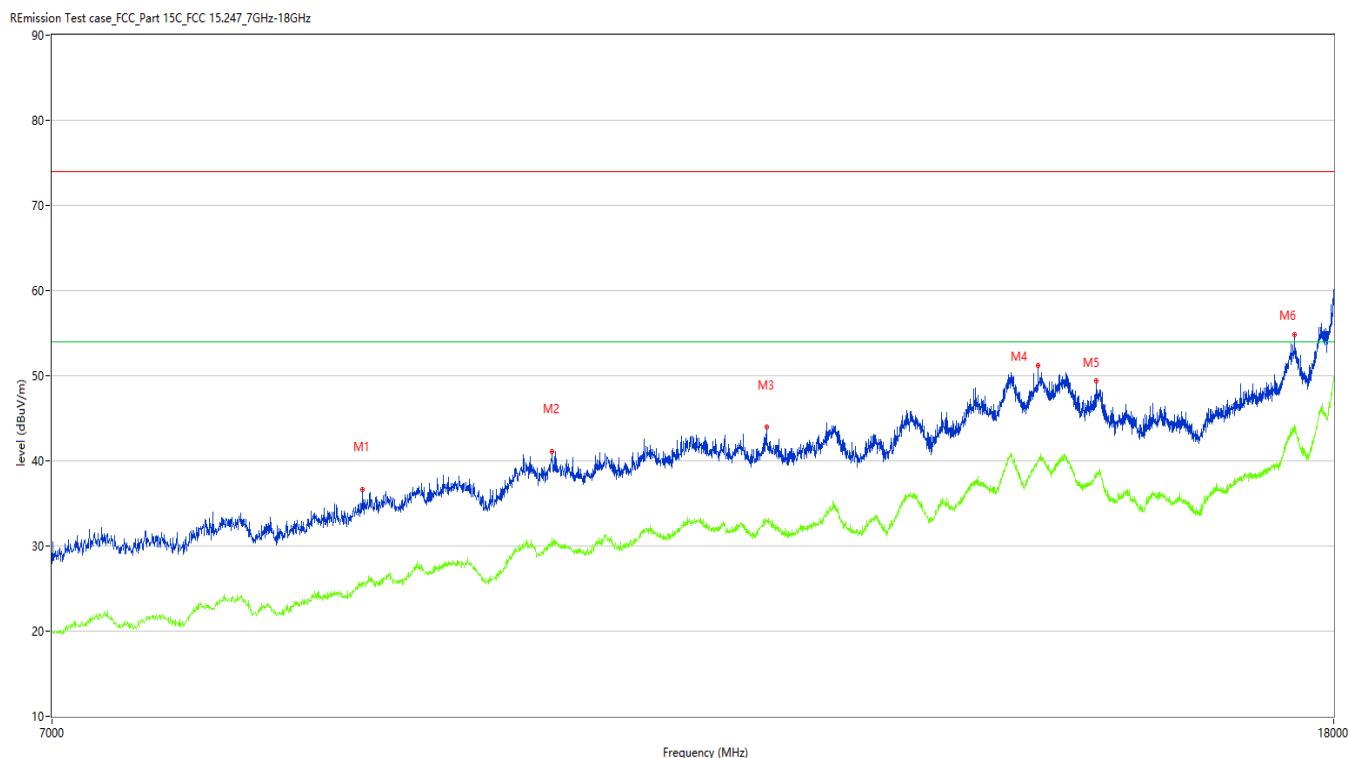
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Figure 40: The plots of Radiated Emission, 2480MHz,7GHz-18GHz, Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	8800.800	36.69	5.02	74.0	-37.31	Peak	174.60	100	Horizontal	Pass
1**	8800.800	25.39	5.02	54.0	-28.61	AV	174.60	100	Horizontal	Pass
2	10120.470	41.11	9.49	74.0	-32.89	Peak	348.00	100	Horizontal	Pass
2**	10120.470	30.97	9.49	54.0	-23.03	AV	348.00	100	Horizontal	Pass
3	11852.537	43.97	11.89	74.0	-30.03	Peak	204.00	100	Horizontal	Pass
3**	11852.537	33.01	11.89	54.0	-20.99	AV	204.00	100	Horizontal	Pass
4	14478.130	51.19	17.86	74.0	-22.81	Peak	348.00	100	Horizontal	Pass
4**	14478.130	40.10	17.86	54.0	-13.90	AV	348.00	100	Horizontal	Pass
5	15115.971	49.43	14.97	74.0	-24.57	Peak	188.70	100	Horizontal	Pass
5**	15115.971	38.53	14.97	54.0	-15.47	AV	188.70	100	Horizontal	Pass
6	17485.879	54.81	21.52	74.0	-19.19	Peak	254.20	100	Horizontal	Pass
6**	17485.879	44.18	21.52	54.0	-9.82	AV	254.20	100	Horizontal	Pass

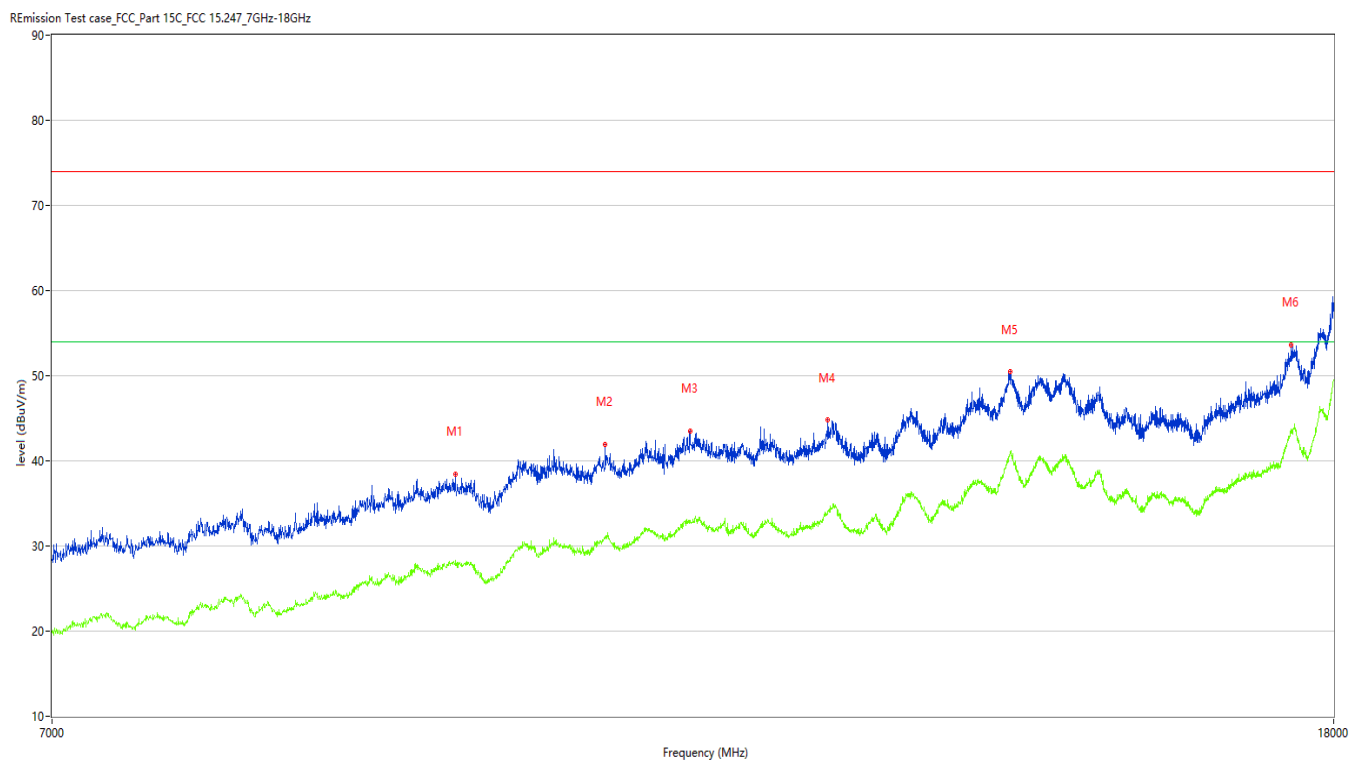
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Figure 41: The plots of Radiated Emission, 2480MHz,7GHz-18GHz, Vertical polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	9422.144	38.45	7.62	74.0	-35.55	Peak	96.10	100	Vertical	Pass
1**	9422.144	27.77	7.62	54.0	-26.23	AV	96.10	100	Vertical	Pass
2	10524.619	41.95	10.23	74.0	-32.05	Peak	1.00	100	Vertical	Pass
2**	10524.619	30.88	10.23	54.0	-23.12	AV	1.00	100	Vertical	Pass
3	11203.699	43.55	11.30	74.0	-30.45	Peak	261.00	100	Vertical	Pass
3**	11203.699	32.90	11.30	54.0	-21.10	AV	261.00	100	Vertical	Pass
4	12399.650	44.76	12.25	74.0	-29.24	Peak	153.00	100	Vertical	Pass
4**	12399.650	34.04	12.25	54.0	-19.96	AV	153.00	100	Vertical	Pass
5	14178.455	50.43	19.46	74.0	-23.57	Peak	319.00	100	Vertical	Pass
5**	14178.455	40.87	19.46	54.0	-13.13	AV	319.00	100	Vertical	Pass
6	17444.639	53.65	20.77	74.0	-20.35	Peak	86.40	100	Vertical	Pass
6**	17444.639	43.34	20.77	54.0	-10.66	AV	86.40	100	Vertical	Pass

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4.1.7 Band Edge (Restricted-band band-edge)

RESULT:

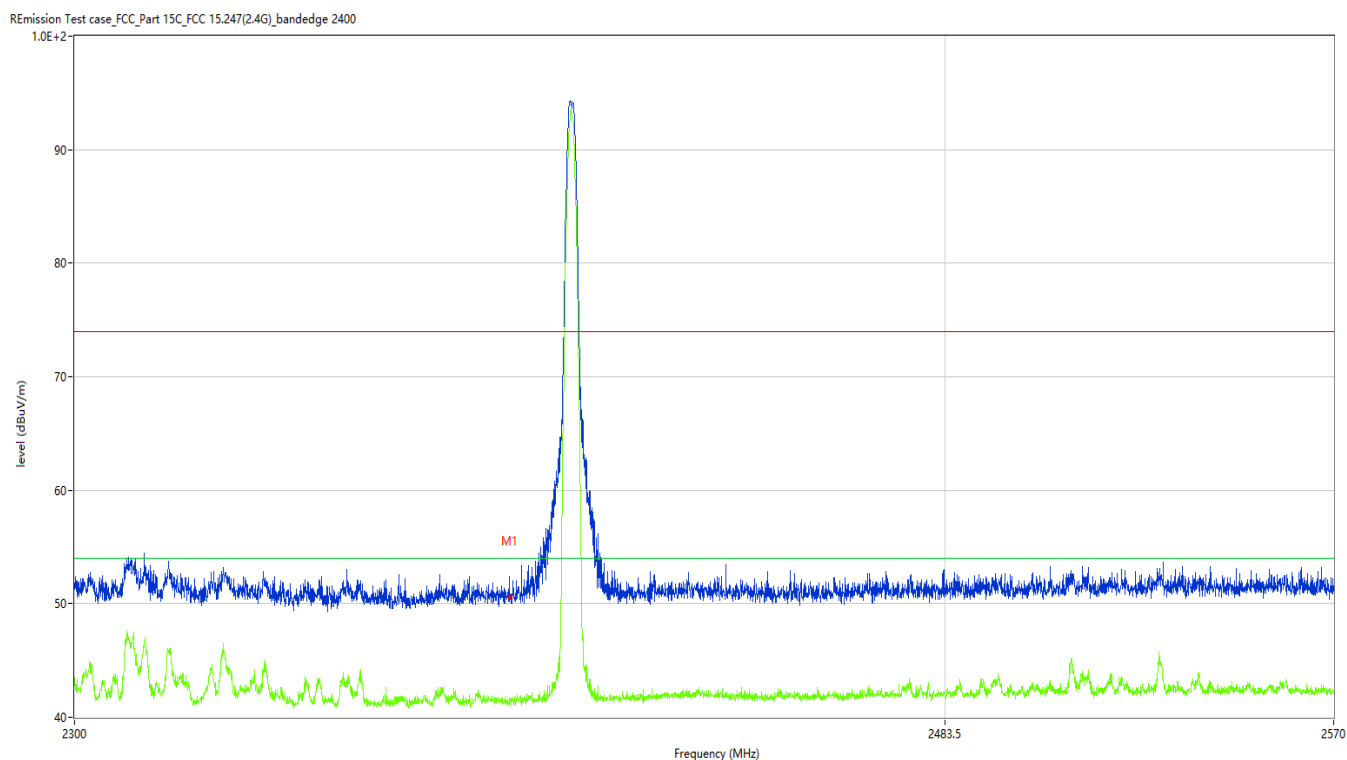
PASS

Test standard : FCC Part 15.247(d), 15.205, 15.209
RSS-GEN 8.10
Requirement : ANSI C63.10-2013 clause 11.13,
KDB 558074 clause 8.7
Kind of test site : 3m Semi-Anechoic Chamber

Test setup

Test Channel : Low/High
Operation Mode : A.i/ii/iii
Ambient temperature : 21°C
Relative humidity : 53%

Figure 42: The 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	2390.000	50.66	-9.96	74.0	-23.34	Peak	67.58	100	Horizontal	Pass
1**	2390.000	41.12	-9.96	54.0	-12.88	AV	67.58	100	Horizontal	Pass

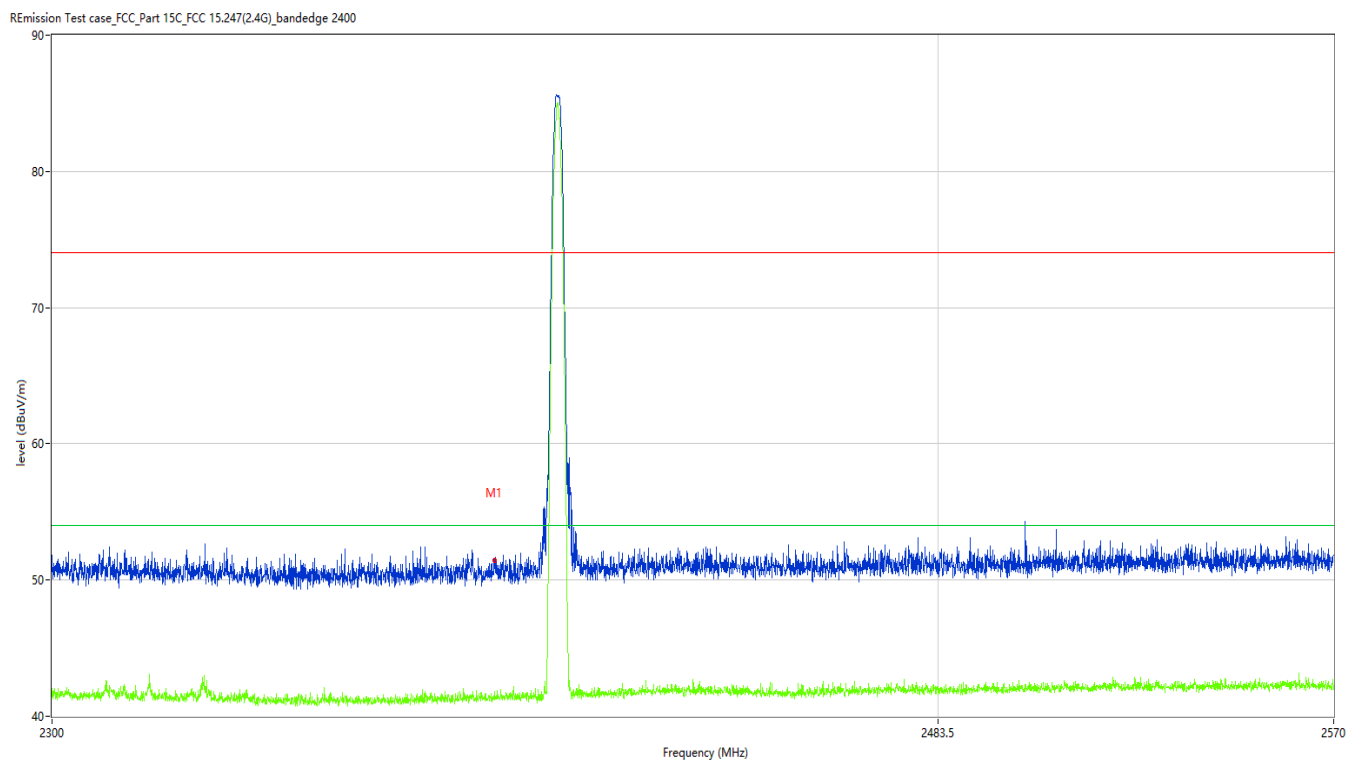
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Figure 43: The plots of Band Edge, 2403MHz, Vertical Polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	51.43	-9.96	74.0	-22.57	Peak	226.79	100	Vertical	Pass
1**	2390.000	41.40	-9.96	54.0	-12.60	AV	226.79	100	Vertical	Pass

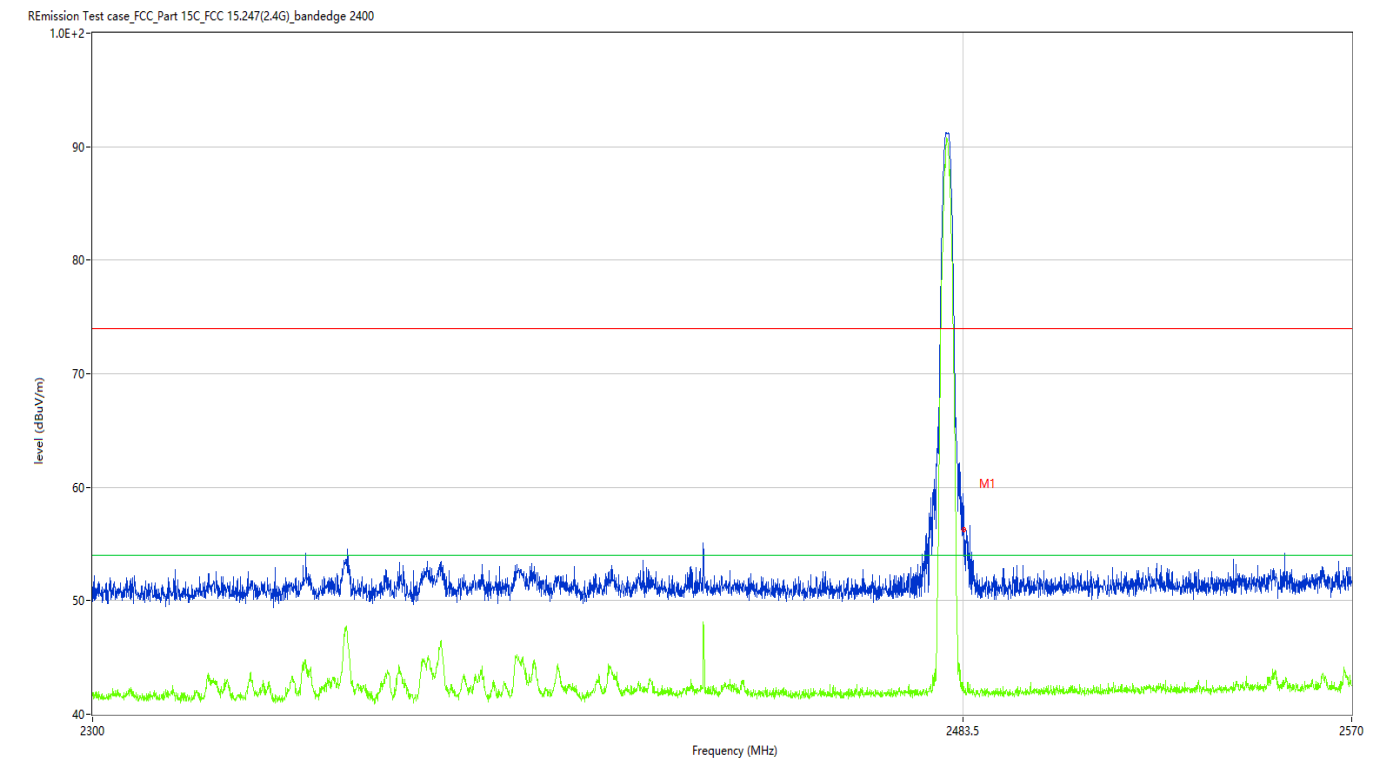
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Figure 44: The plots of Band Edge, 2480MHz, Horizontal Polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	56.32	-9.51	74.0	-17.68	Peak	48.54	100	Horizontal	Pass
1**	2483.500	42.12	-9.51	54.0	-11.88	AV	48.54	100	Horizontal	Pass

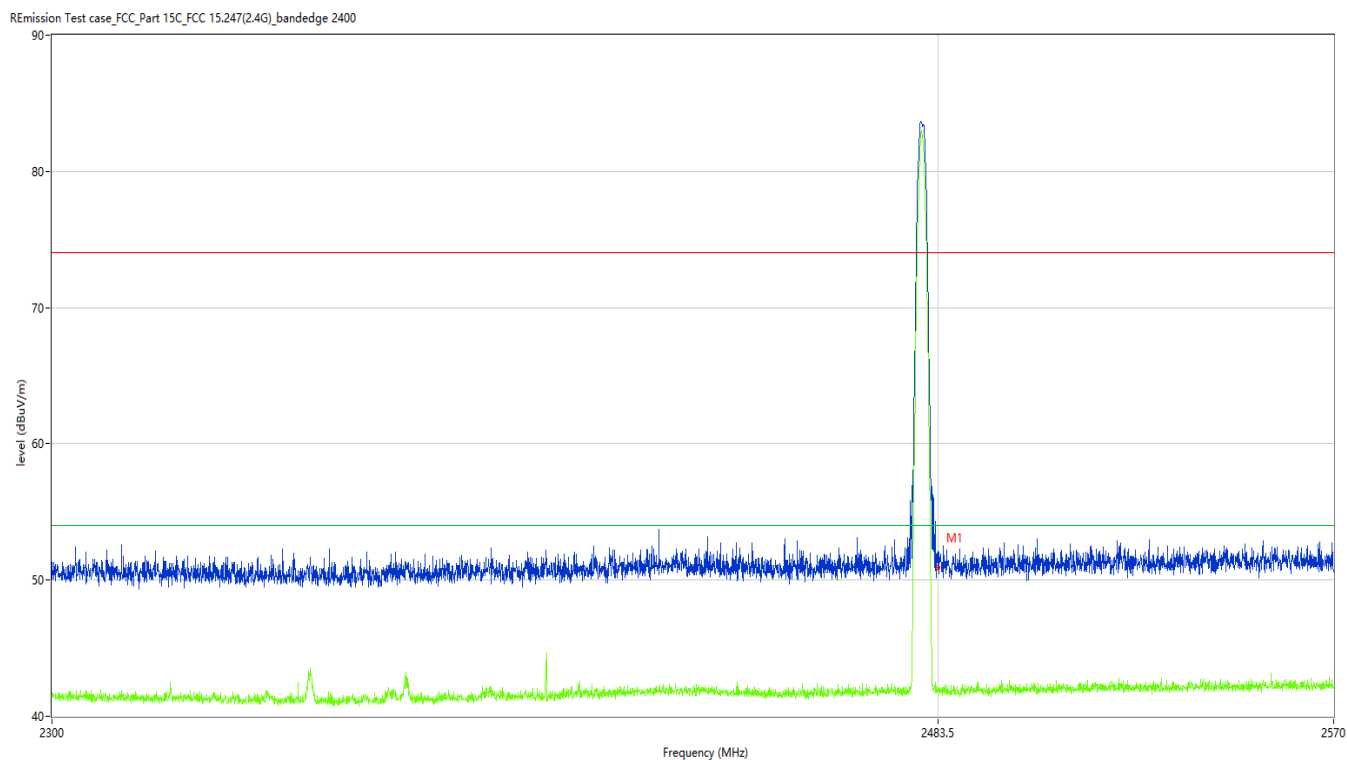
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Figure 45: The plots of Band Edge, 2480MHz, Vertical Polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	50.90	-9.51	74.0	-23.10	Peak	229.38	100	Vertical	Pass
1**	2483.500	41.85	-9.51	54.0	-12.15	AV	229.38	100	Vertical	Pass

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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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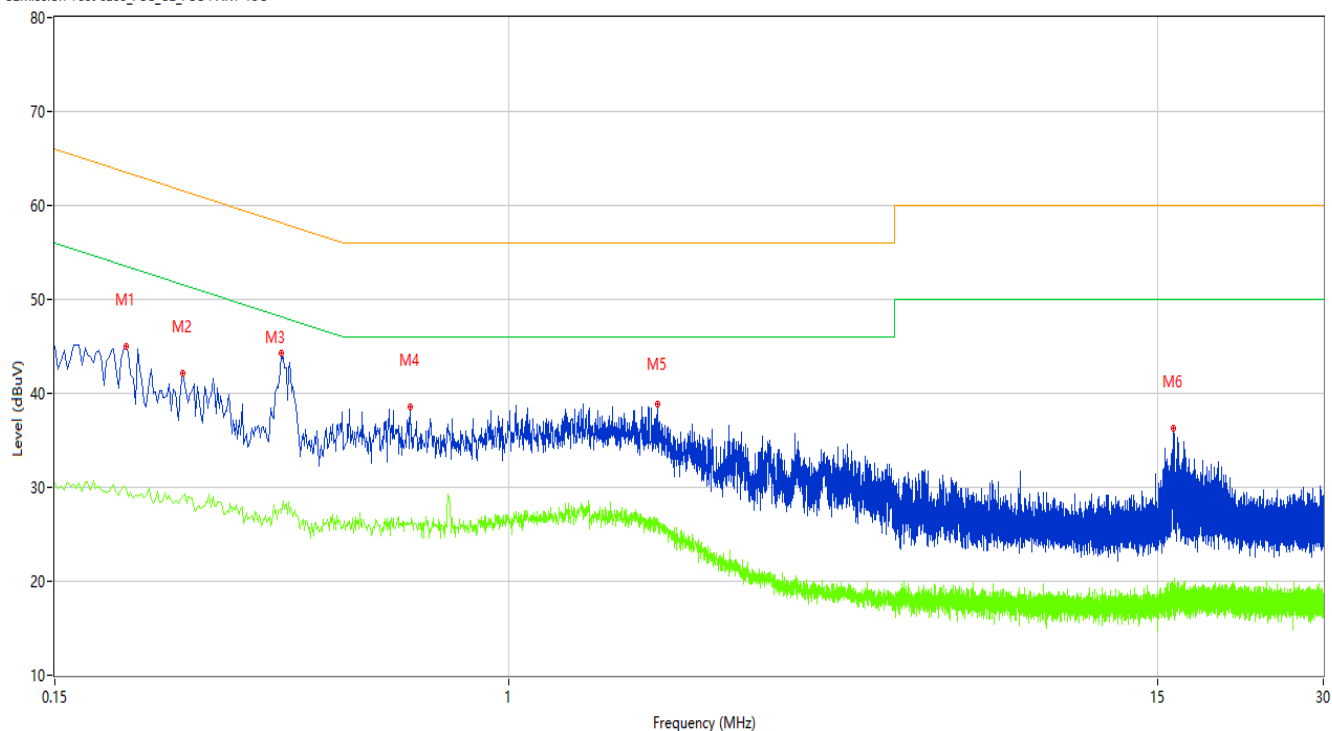
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Note: The all configurations were tested respectively, but only the worst configuration shown here.

Figure 46: Conducted Emission on AC Mains, L 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	0.202	46.25	10.26	63.53	-17.28	Peak	L	Pass
1*	0.202	39.46	10.26	63.53	-24.07	QP	L	Pass
1**	0.202	29.85	10.26	53.53	-23.68	AV	L	Pass
2	0.256	41.95	10.27	61.56	-19.61	Peak	L	Pass
2*	0.256	36.21	10.27	61.56	-25.35	QP	L	Pass
2**	0.256	29.06	10.27	51.56	-22.50	AV	L	Pass
3	0.386	43.81	10.26	58.15	-14.34	Peak	L	Pass
3*	0.386	39.20	10.26	58.15	-18.95	QP	L	Pass
3**	0.386	27.22	10.26	48.15	-20.93	AV	L	Pass
4	0.662	35.72	10.35	56.00	-20.28	Peak	L	Pass
4*	0.662	29.59	10.35	56.00	-26.41	QP	L	Pass
4**	0.662	26.17	10.35	46.00	-19.83	AV	L	Pass
5	1.858	35.37	10.19	56.00	-20.63	Peak	L	Pass
5*	1.858	28.18	10.19	56.00	-27.82	QP	L	Pass
5**	1.858	26.14	10.19	46.00	-19.86	AV	L	Pass
6	16.018	36.72	10.59	60.00	-23.28	Peak	L	Pass
6*	16.018	27.50	10.59	60.00	-32.50	QP	L	Pass
6**	16.018	19.34	10.59	50.00	-30.66	AV	L	Pass

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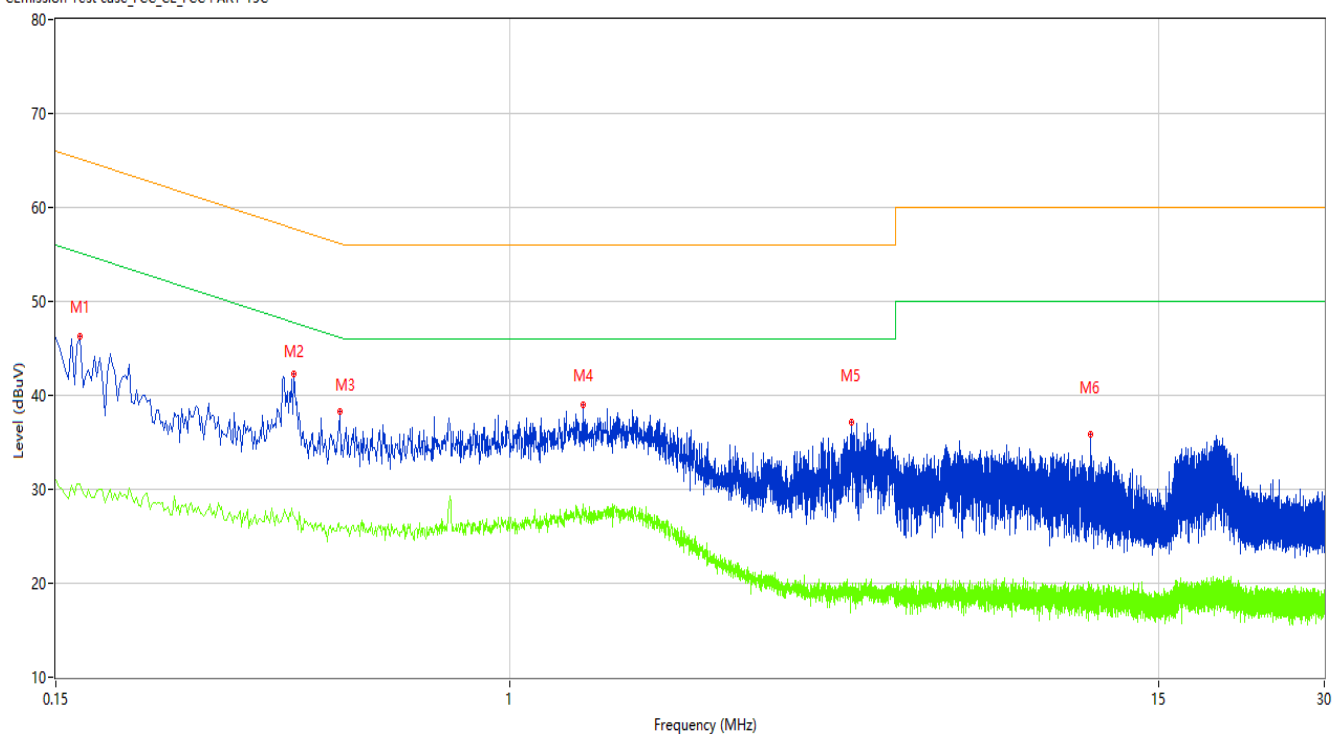
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Figure 47: Conducted Emission on AC Mains, N Phase

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	46.91	10.19	65.16	-18.25	Peak	N	Pass
1*	0.166	39.33	10.19	65.16	-25.83	QP	N	Pass
1**	0.166	30.62	10.19	55.16	-24.54	AV	N	Pass
2	0.406	41.38	10.23	57.73	-16.35	Peak	N	Pass
2*	0.406	36.27	10.23	57.73	-21.46	QP	N	Pass
2**	0.406	27.11	10.23	47.73	-20.62	AV	N	Pass
3	0.492	37.19	10.20	56.13	-18.94	Peak	N	Pass
3*	0.492	29.86	10.20	56.13	-26.27	QP	N	Pass
3**	0.492	25.51	10.20	46.13	-20.62	AV	N	Pass
4	1.356	34.07	10.14	56.00	-21.93	Peak	N	Pass
4*	1.356	25.67	10.14	56.00	-30.33	QP	N	Pass
4**	1.356	28.44	10.14	46.00	-17.56	AV	N	Pass
5	4.160	36.70	10.27	56.00	-19.30	Peak	N	Pass
5*	4.160	29.79	10.27	56.00	-26.21	QP	N	Pass
5**	4.160	18.92	10.27	46.00	-27.08	AV	N	Pass
6	11.304	32.26	10.56	60.00	-27.74	Peak	N	Pass
6*	11.304	26.09	10.56	60.00	-33.91	QP	N	Pass
6**	11.304	19.50	10.56	50.00	-30.50	AV	N	Pass

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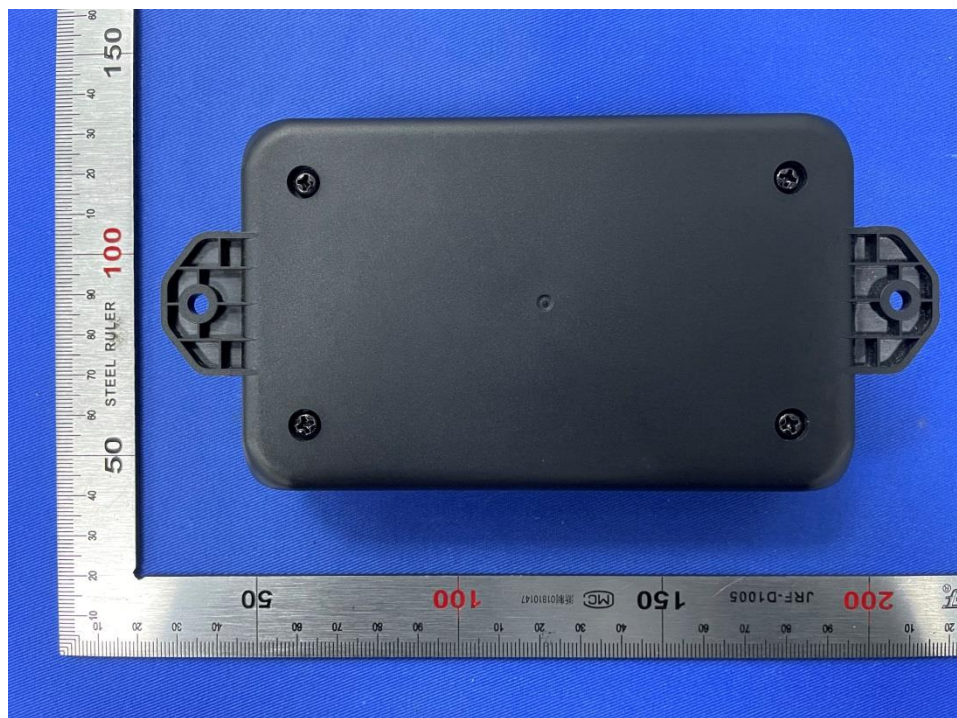
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5 Appendixes

5.1 Photographs of the Sample



Front of the sample



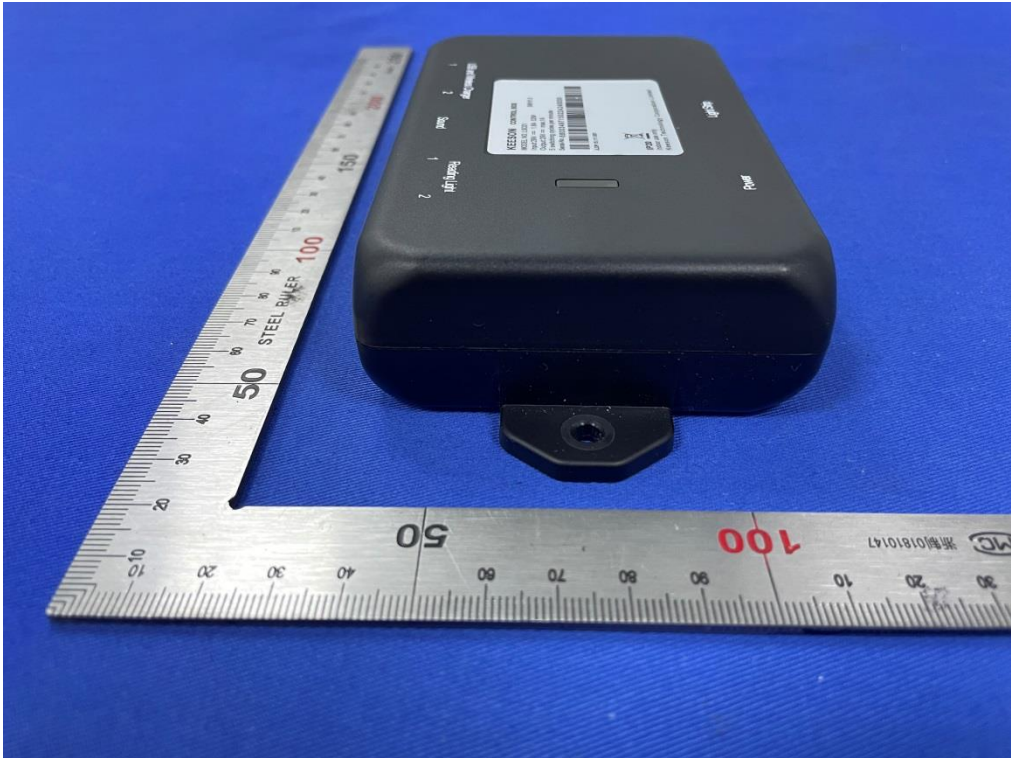
Rear of the sample

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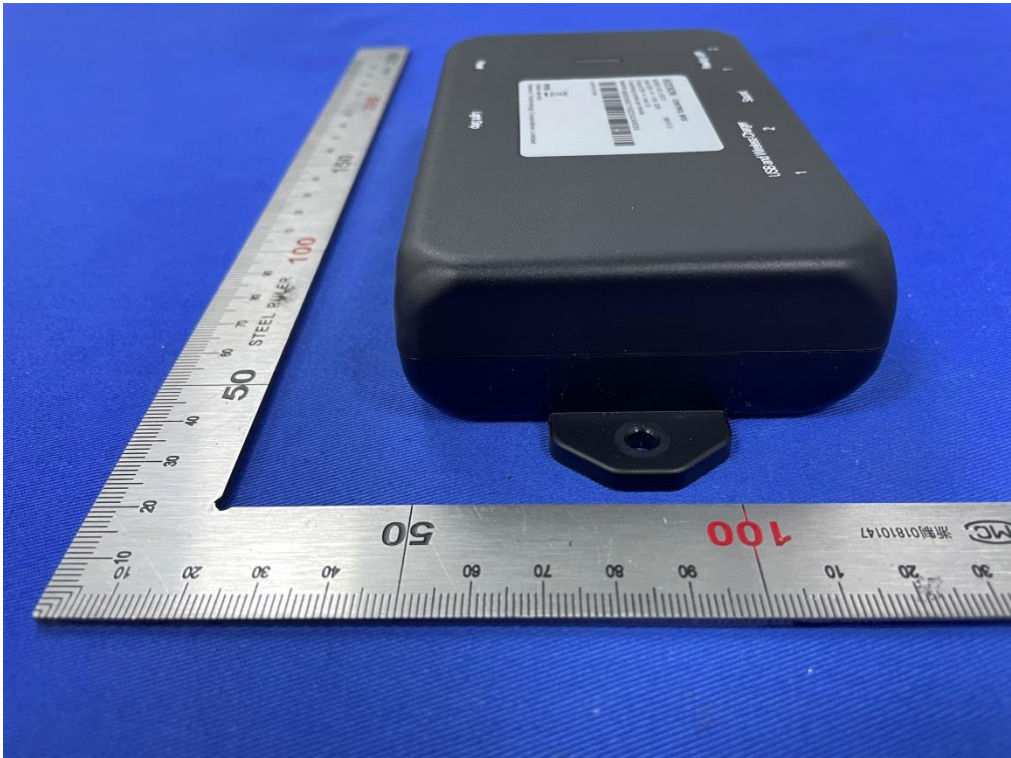
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Left of the sample



Right of the sample

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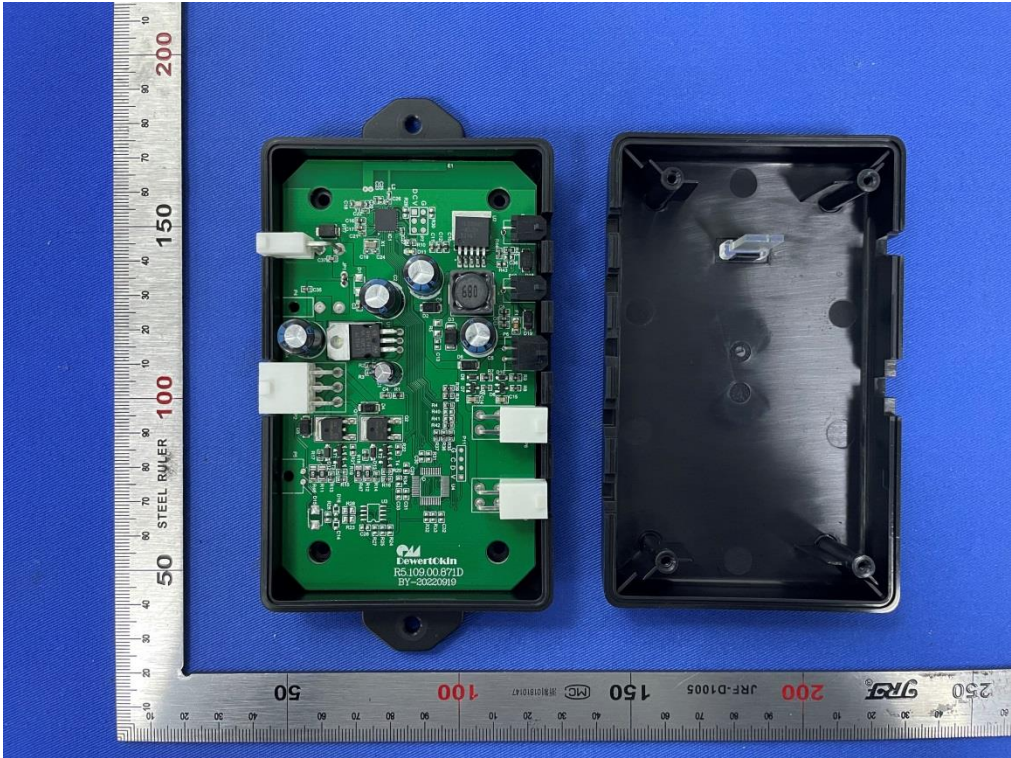


Top of the sample

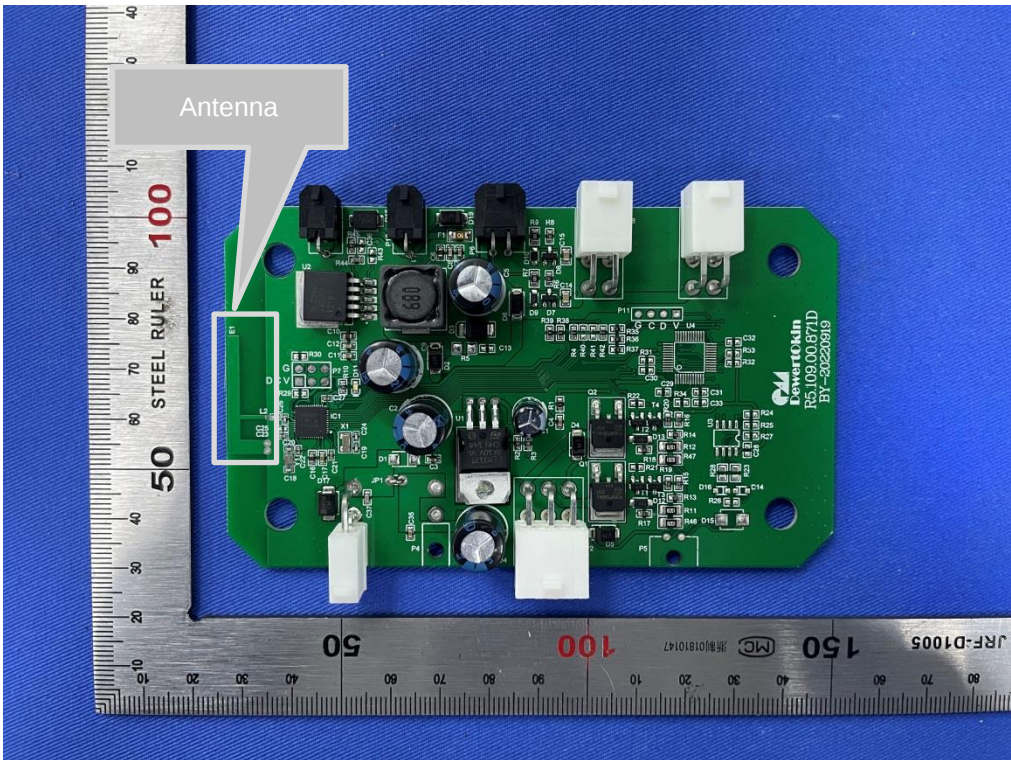


Bottom of the sample

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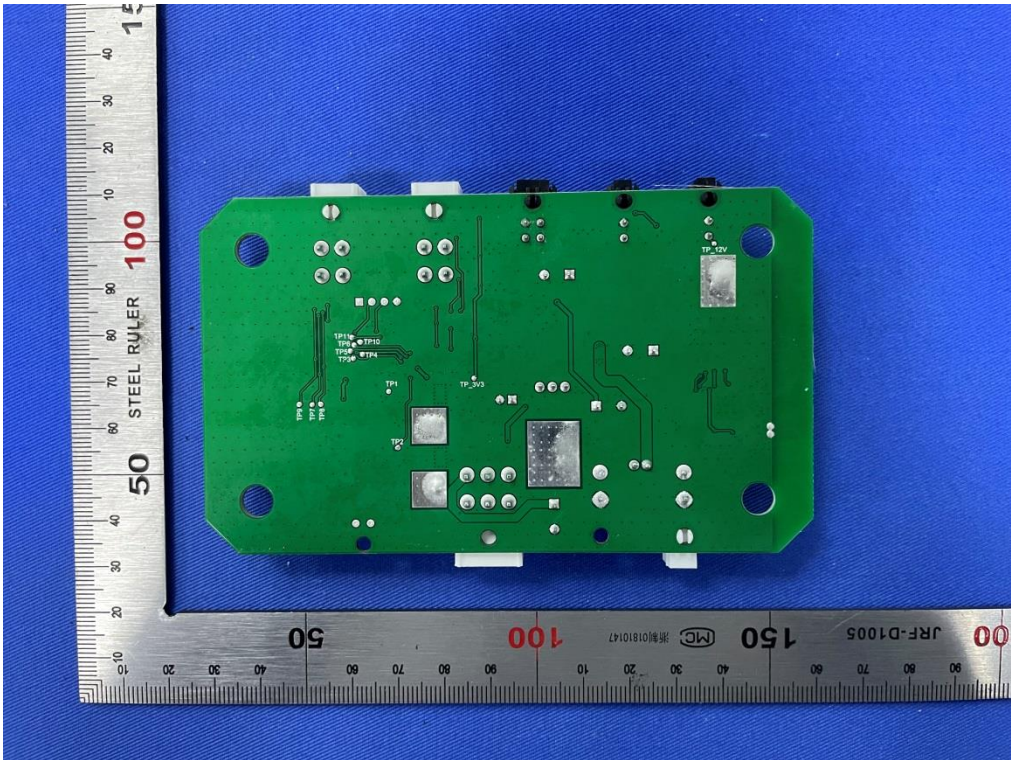


Open of the sample

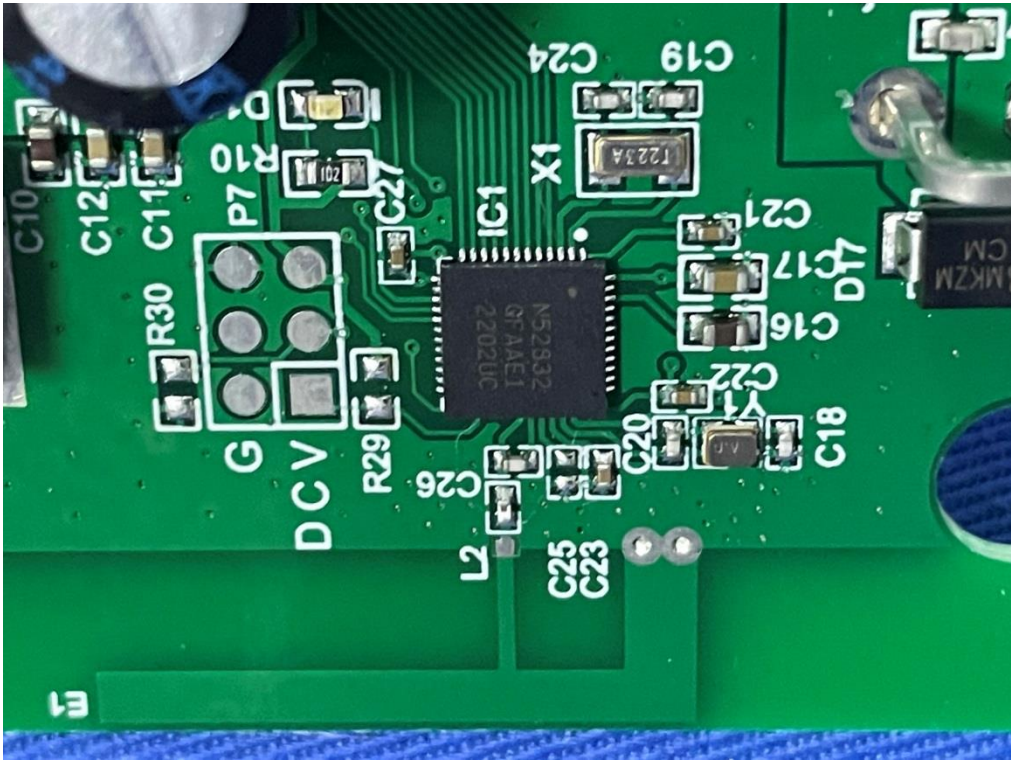


Internal-1 of the sample

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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 Conducted RF test at Antenna Port



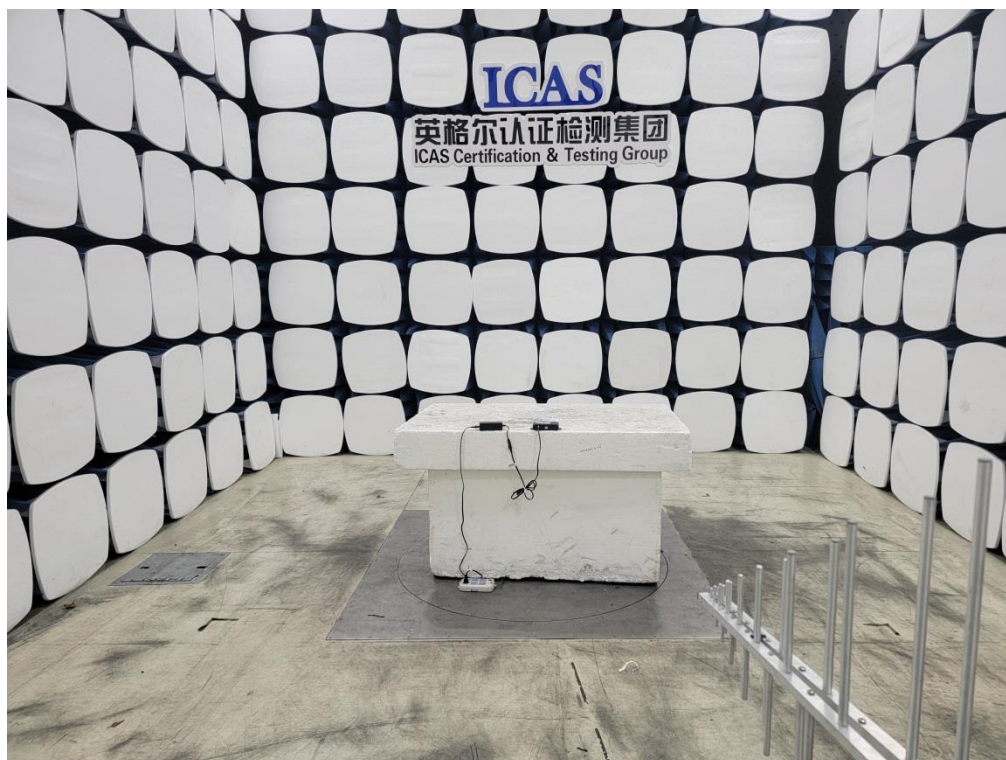
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5.4 Set-up for Spurious Emissions below 1GHz



5.5 Set-up for Spurious Emissions above 1GHz



End of the report