



RF TEST REPORT

Report No.: FCS202507297W03

Applicant : Fujian Iselected E-commerce Co., Ltd.

Product Name : 2.4GHz & Bluetooth Wireless Keyboard

Brand Name : Philips

Model Name : SPK8618

Series model : SPK8618DTRH,SPK8618HTRH,SPK8618SXRH,
SPK8618CTRH,SPK8618UPRH

FCC ID : 2BMNP-SPK8618

Test Standard : FCC CFR Title 47 Part 15 Subpart C Section 15.249

Date of Receipt : Jul 09, 2025

Date of Test : Jul 11, 2025~Jul 18, 2025

Issue Date : Jul 31, 2025

Tested by

Scott Shen

(Scott Shen)

Reviewed by

Duke Qian

(Duke Qian)



Approved by

Jack Wang

(Jack Wang)

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REVISION HISTORY

Rev.	Issue Date	Revisions	Revised by
00	Jul 31, 2025	Initial Release	/

DECLARATION OF REPORT

1. The device has been tested by Flux Compliance, and the test results show that the equipment under test (EUT) is in compliance with the requirements of 47 CFR 15.249. And it is applicable only to the tested sample identified in the report.
2. This report shall not be reproduced except in full, without the written approval of Flux Compliance, this document only be altered or revised by Flux Compliance, personal only, and shall be noted in the revision of the document.
3. The general information of EUT in this report is provided by the customer or manufacturer, Flux Compliance is only responsible for the test data but not for the information provided by the customer or manufacturer.
4. The results in this report is only apply to the sample as tested under conditions. The customer or manufacturer is responsible for ensuring that the additional production units of this model have the same electrical and mechanical components.
5. In this report, '□' indicates that EUT does not support content after '□', and '☒' indicates that it supports content after '☒'

SUMMARY OF TEST RESULT

Report Section	Standard Section	Test Item	Judgment	Remark
3.1	§15.249&15.209	Radiated Emission	Compliant	--
3.2	§15.249	Band Edges	Compliant	--
3.3	§15.215	20dB Bandwidth	Compliant	--
3.4	§15.207	Conducted Emission	Compliant	--
3.5	§15.203	Antenna Requirement	Compliant	--

1. GENERAL DESCRIPTION

1.1. Applicant

Name : Fujian Iselected E-commerce Co., Ltd.

Address : 15th Floor, Building A, Aofeng Plaza, No. 2 Aofeng Road, Taijiang District, Fuzhou City, Fujian Province, China

1.2. Manufacturer

Name : MMD (Shanghai) Electronic Technology Co., Ltd.

Address : Room107, Building 17 , No. 525 Yuanjiang Road, Minhang District, Shanghai, China

1.3. Factory

Name : SISUN ELECTRONICS TECHNOLOGY (DG) CO., LTD

Address : Sisun industrial park,Xikeng road, Puxin village,Shipai town,Dongguan,China

1.4. General Information of EUT

General Information	
Equipment Name	2.4GHz & Bluetooth Wireless Keyboard
Brand Name	Philips
Model Name	SPK8618
Series Model	SPK8618DTRH,SPK8618HTRH,SPK8618SXRH,SPK8618CTRH,SPK8618UPRH
Model Difference	only model name and color are different
Antenna Gain	2.71dBi
Antenna Type	Chip Antenna
Sample No	202507070004001
Power Source	DC 3.7V
Battery	Rated Voltage:3.7V Charge Limit Voltage:4.2V Capacity:4000mAh
Hardware version	V2.0
Software version	V11.1
Connecting I/O Port(s)	Refer to the remark below

Remark:

The above information of EUT was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.5. Equipment Specification

Equipment Specification	
Operation Frequency	2405 MHz to 2475 MHz
Maximum field strength	92.17dBuV/m(PK)@3m
Modulation	GFSK
Number of channels	16CH
Antenna Designation	Chip antenna (Met 15.203 Antenna requirement)

1.6. Modification of EUT

No modifications are made to the EUT during all test items.

1.7. Laboratory Information

Company Name:	Flux Compliance Service Laboratory
Address:	Room 105 Floor Bao hao Technology Building 1 NO.15 Gong ye West Road Hi-Tech Industrial, Song shan lake Dongguan
Telephone:	+86-0769-27280901
Fax:	+86-0769-27280901
FCC Test Firm Registration Number: 514908 Designation number: CN0127 A2LA accreditation number: 5545.01	

1.8. Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

47 CFR Part 15 Subpart C §15.249

ANSI C63.10-2020

Remark:

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

2. TEST CONFIGURATION OF EUT

2.1. Carrier Frequency Channe

Channel	Frequency (MHz)	Channel	Frequency (MHz)
CH1	2405	CH9	2414
CH2	2463	CH10	2471
CH3	2441	CH11	2459
CH4	2462	CH12	2436
CH5	2408	CH13	2419
CH6	2466	CH14	2475
CH7	2445	CH15	2453
CH8	2422	CH16	2439

Remark:

Low Channel: **CH1_2405 MHz**; Middle Channel: **CH3_2441 MHz**; High Channel: **CH14_2475 MHz**.

2.2. Test Modes

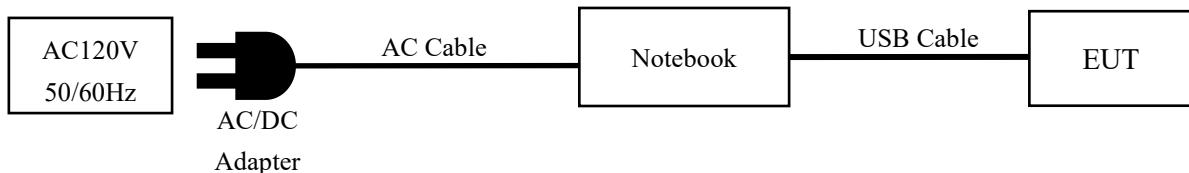
NO.	TEST MODE DESCRIPTION
1	Low channel GFSK
2	Middle channel GFSK
3	High channel GFSK

Note:

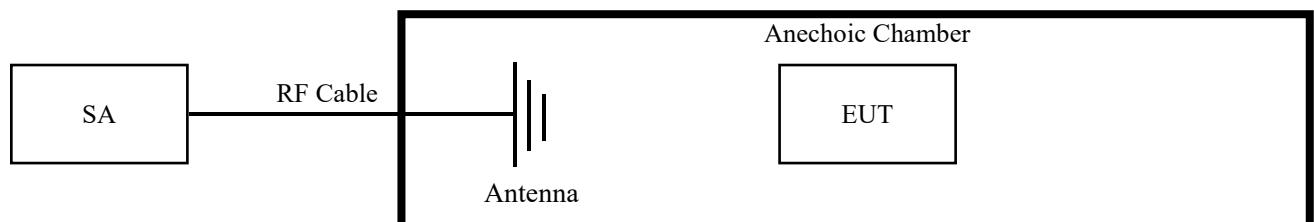
1. Only the result of the worst case was recorded in the report, if no other cases.
2. For Radiated Emission, 3axis were chosen for testing for each applicable mode.
3. The EUT adjusts the frequency through the button.

2.3. Block Diagram of Test System

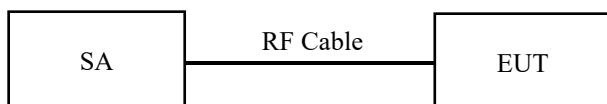
2.3.1. For AC Power-Line Conducted Emission



2.3.2. For Radiated Spurious Emission



2.3.3. For Conducted Test



2.4. Description of Support Units

NO.	Unit	Brand	Model	Description
1	PC	Redmi G	2021Ryzen	N/A
2	/	/	/	/

2.5. Test Software and Power Level

During the test, the channel and power control software provided by the customer is used to control the operation channel and output power level.

2.6. EUT Operating Conditions

For AC power-line conducted emission, the EUT was connected under the large package sizes transmission.

For radiated spurious emission and conducted test, the engineering test program was provided and make the EUT to continuous transmit/receive.

2.7. Equipment List

2.7.1. For AC Power-Line Conducted Emission

Kind of Equipment	Manufacturer	Type No.	Company No.	Last calibration	Calibrated until
EMI Test Receiver	R&S	ESPI	FCS-E020	2024.08.28	2025.08.27
LISN	R&S	ENV216	FCS-E007	2024.08.28	2025.08.27
LISN	ETS	3810/2NM	FCS-E009	2024.08.28	2025.08.27
Temperature & Humidity	HTC-1	victor	FCS-E008	2024.08.28	2025.08.27
Testing Software	EZ-EMC(Ver.EMC-CON 3A1.1)				

2.7.2. For Radiated Spurious Emission

Kind of Equipment	Manufacturer	Type No.	Company No.	Last calibration	Calibrated until
EMI Test Receiver	R&S	ESRP 3	FCS-E001	2024.08.28	2025.08.27
Signal Analyzer	R&S	FSV40-N	FCS-E012	2024.08.28	2025.08.27
Active loop Antenna	ZHINAN	ZN30900C	FCS-E013	2024.08.28	2025.08.27
Bilog Antenna	SCHWARZBEC K	VULB 9168	FCS-E002	2024.08.28	2025.08.27
Horn Antenna	SCHWARZBEC K	BBHA 9120D	FCS-E003	2024.08.28	2025.08.27
SHF-EHF Horn Antenna (18G-40GHz)	A-INFO	LB-180400-KF	FCS-E018	2024.08.28	2025.08.27
Pre-Amplifier(0.1M-3 GHz)	EMCI	EM330N	FCS-E004	2024.08.28	2025.08.27
Pre-Amplifier (1G-18GHz)	N/A	TSAMP-0518SE	FCS-E014	2024.08.28	2025.08.27
Pre-Amplifier (18G-40GHz)	TERA-MW	TRLA-0400	FCS-E019	2024.08.28	2025.08.27
Temperature & Humidity	HTC-1	victor	FCS-E005	2024.08.28	2025.08.27
Testing Software	EZ-EMC(Ver.STSLAB 03A1 RE)				

**2.7.3. RF Connected Test**

Kind of Equipment	Manufacturer	Type No.	Company No.	Last calibration	Calibrated until
MXA SIGNAL Analyzer	Keysight	N9020A	FCS-E015	2024.08.28	2025.08.27
Spectrum Analyzer	Agilent	E4447A	MY50180039	2024.08.28	2025.08.27
Spectrum Analyzer	R&S	FSV-40	101499	2024.08.28	2025.08.27
Power Sensor	Agilent	UX2021XA	FCS-E021	2024.08.28	2025.08.27
Testing Software	EZ-EMC(Ver.STSLAB 03A1 RE)				

Remark: Calibration duration for above equipments is 1 year.

2.8. Measurement Uncertainty

The reported 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 %.

No.	Item	Uncertainty
1	RF output power, conducted	± 0.71 dB
2	Unwanted Emissions, conducted	± 2.988 dB
3	Conducted Emission (9KHz-150KHz)	± 4.13 dB
4	All emissions radiated (9KHz -30MHz)	± 3.1 dB
5	Conducted Emission (150KHz-30MHz)	± 4.74 dB
6	All emissions, radiated(<1G) 30MHz-1000MHz	± 5.2 dB
7	All emissions, radiated 1GHz -18GHz	± 4.66 dB
8	All emissions, radiated 18GHz -40GHz	± 4.31 dB
9	Occupied bandwidth	± 0.3 dB
10	Power Spectral Density	± 0.48 dB

3. TEST RESULT

3.1. Radiated Emission

3.1.1. Radiated Emission Limit

Standard FCC15.249

Fundamental Frequency	Field Strength of Fundamental (millivolts/meter)	Field Strength of Harmonics (microvolts/meter)
900-928MHz	50	500
2400-2483.5MHz	50	500
5725-5875MHz	50	500
24.0-24.25GHz	250	2500

Standard FCC 15.209

Frequency (MHz)	Distance Meters	Field Strengths Limit	
		μ V/m	dB(μ V)/m
0.009 ~ 0.490	300	2400/F(kHz)	---
0.490 ~ 1.705	30	24000/F(kHz)	---
1.705 ~ 30	30	30	---
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	Other: 74.0 dB(μ V)/m (Peak) (Average)	54.0 dB(μ V)/m

Remark: (1) Emission level dB μ V = 20 log Emission level μ V/m
(2) The smaller limit shall apply at the cross point between two frequency bands.
(3) Distance is the distance in meters between the measuring instrument, antenna and the closest point of any part of the device or system.

3.1.2. Test Procedure

1. The EUT was placed on the top of the turntable 0.8 or 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 3 meters far away from the turntable.
2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
3. The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
6. For emissions above 1GHz, use minimum resolution bandwidth of 1 MHz. Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.
7. When the radiated emissions limits are expressed in terms of the average value of the emissions, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum values.
8. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
9. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
10. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High - Low scan is not required in this case.

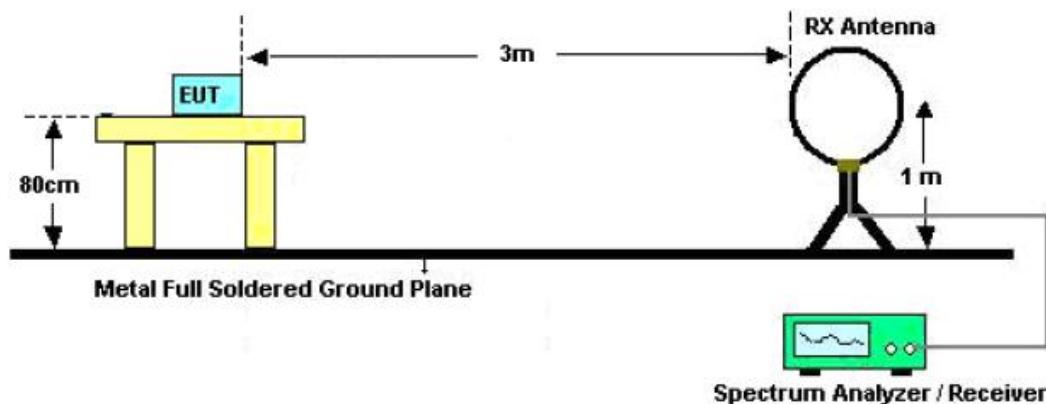
The following table is the setting of spectrum analyzer and receiver.

Spectrum Parameter	Setting
Start ~Stop Frequency	9KHz~150KHz/RB 200Hz for QP
Start ~Stop Frequency	150KHz~30MHz/RB 9KHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120KHz for QP
Start ~Stop Frequency	1GHz~26.5GHz RBW 2.4MHz/ VBW 8MHz for Peak, RBW 2.4MHz/10Hz for Average

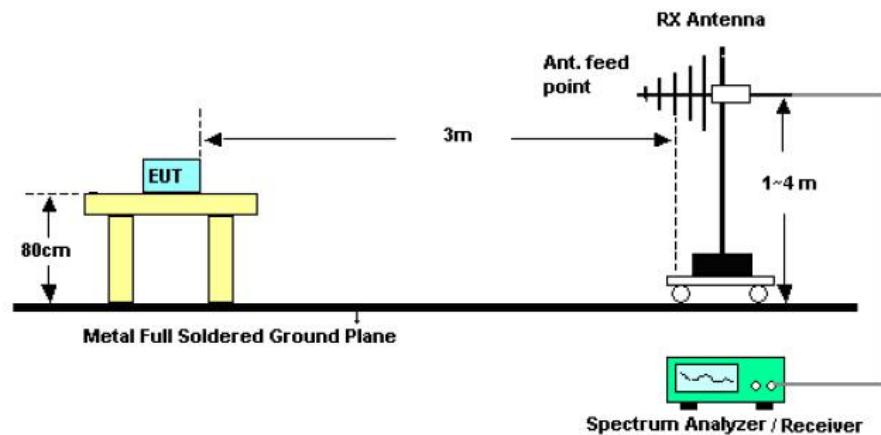
Receiver Parameter	Setting
Start ~Stop Frequency	9KHz~150KHz/RB 200Hz for QP
Start ~Stop Frequency	150KHz~30MHz/RB 9KHz for QP
Start ~Stop Frequency	30MHz~1000MHz/RB 120KHz for QP

3.1.3. Test Setup

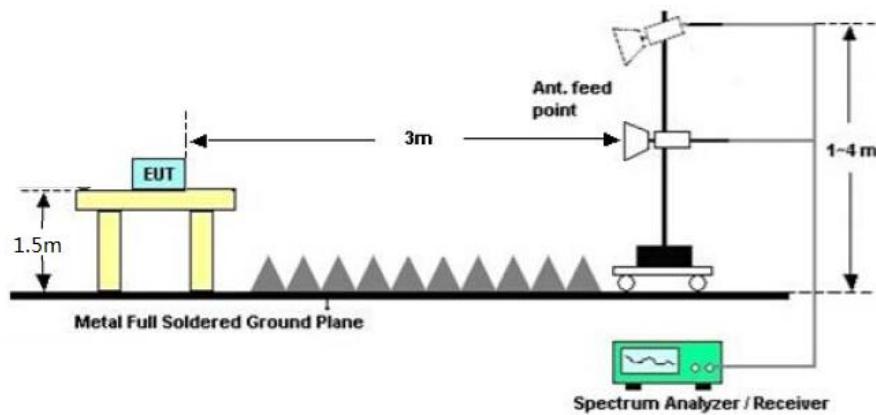
Radiated Emission Test-Setup Frequency Below 30MHz



RADIATED EMISSION TEST SETUP 30MHz-1000MHz



RADIATED EMISSION TEST SETUP ABOVE 1000MHz



3.1.4. Test Result

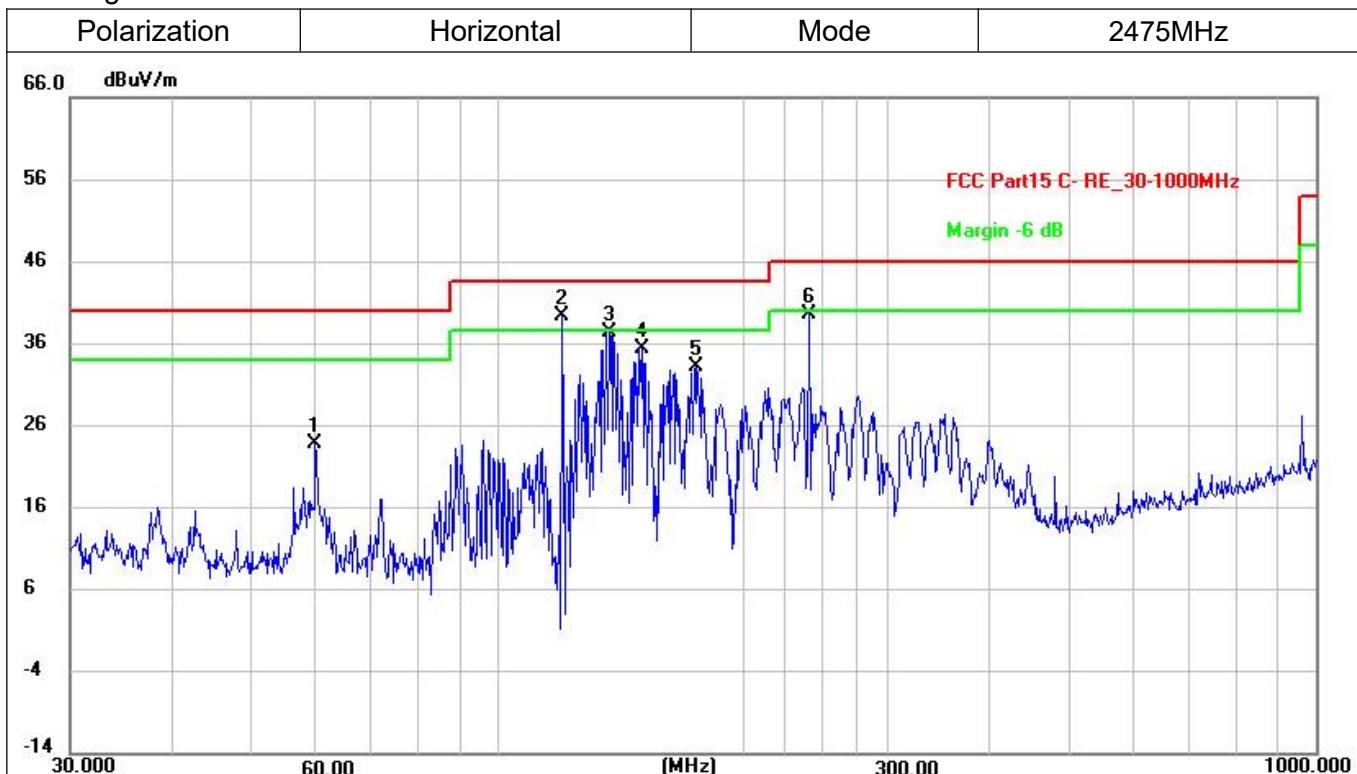
For 9 kHz ~ 30 MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

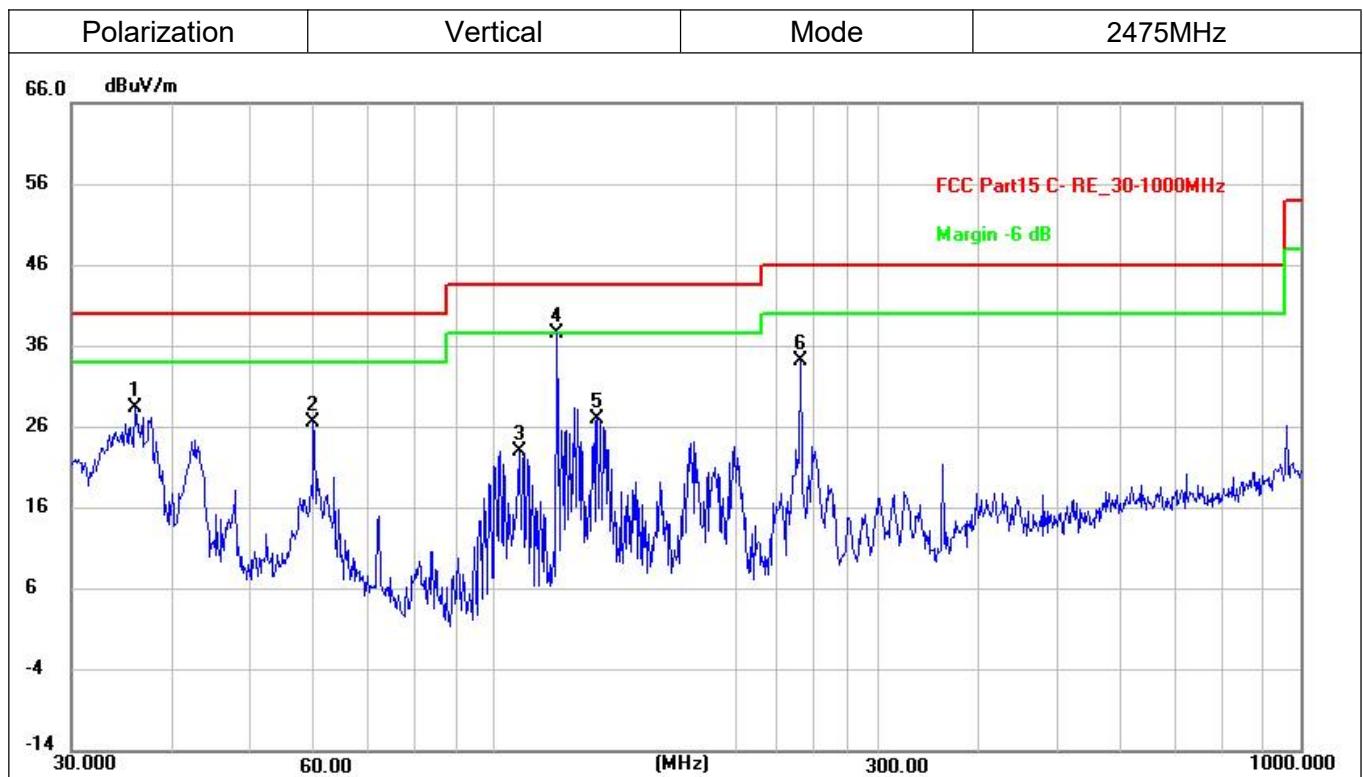
For 30 MHz ~ 1 GHz:

Note:

1. All modes have been tested, only worst case(2475MHz)mode was recorded in the test report.
2. Emission Level (dB_{uV}/m) = Reading Value (dB_{uV}) + Correction Factor (dB/m).
3. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)-Amplifier Gain.
4. The emission levels of other frequencies were less than 20dB margin against the limit.
5. Margin value = Emission level-Limit value.



No.	Frequency (MHz)	Reading (dB _{uV})	Factor (dB/m)	Level (dB _{uV} /m)	Limit (dB _{uV} /m)	Margin (dB)	Det.	
1	59.8588	53.20	-29.36	23.84	40.00	-16.16	peak	
2	119.8556	71.39	-32.00	39.39	43.50	-4.11	peak	
3	136.9391	67.49	-30.08	37.41	43.50	-6.09	peak	
4	150.0108	64.39	-29.00	35.39	43.50	-8.11	peak	
5	175.0367	63.65	-30.46	33.19	43.50	-10.31	peak	
6	239.9873	70.28	-30.71	39.57	46.00	-6.43	peak	

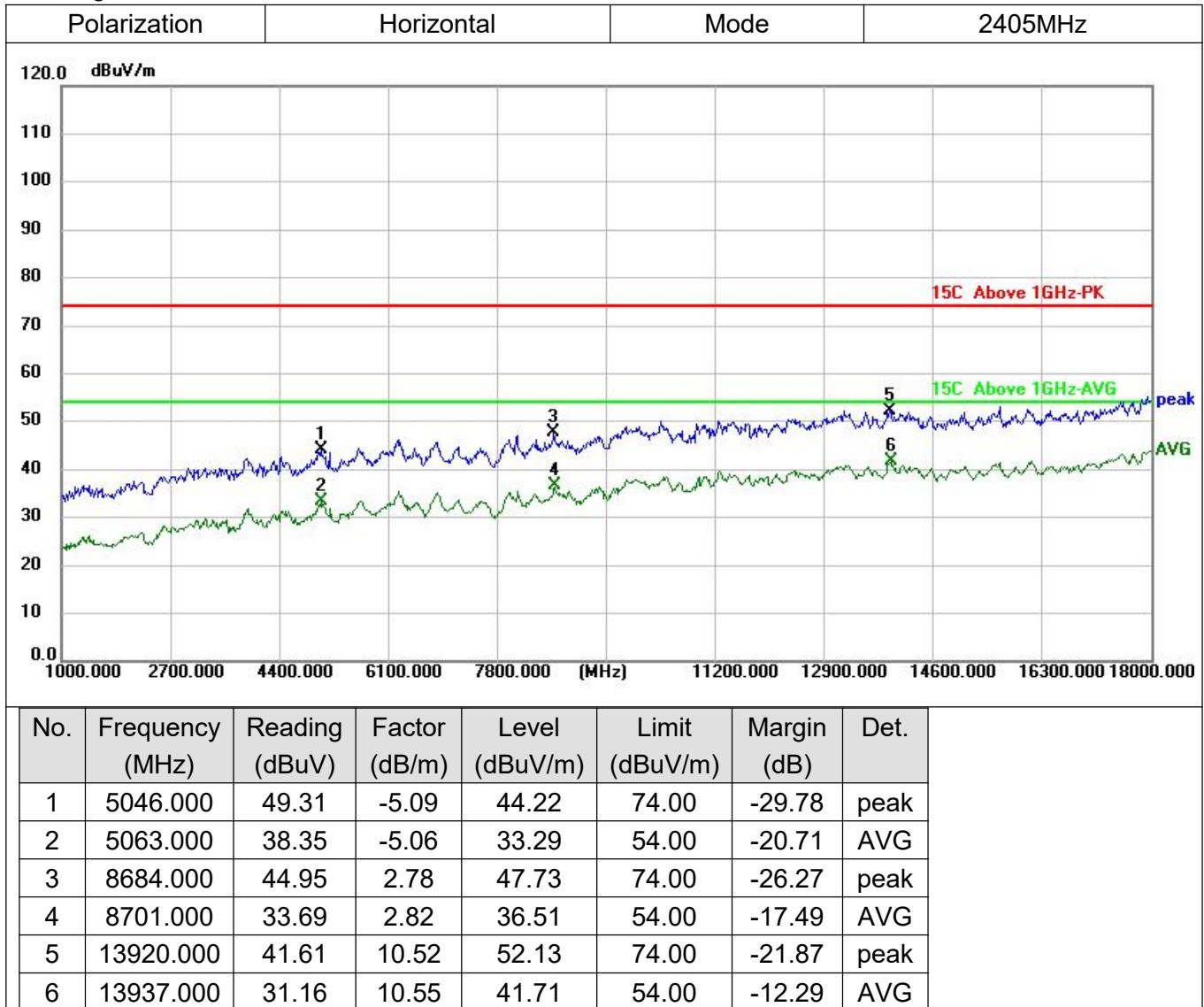


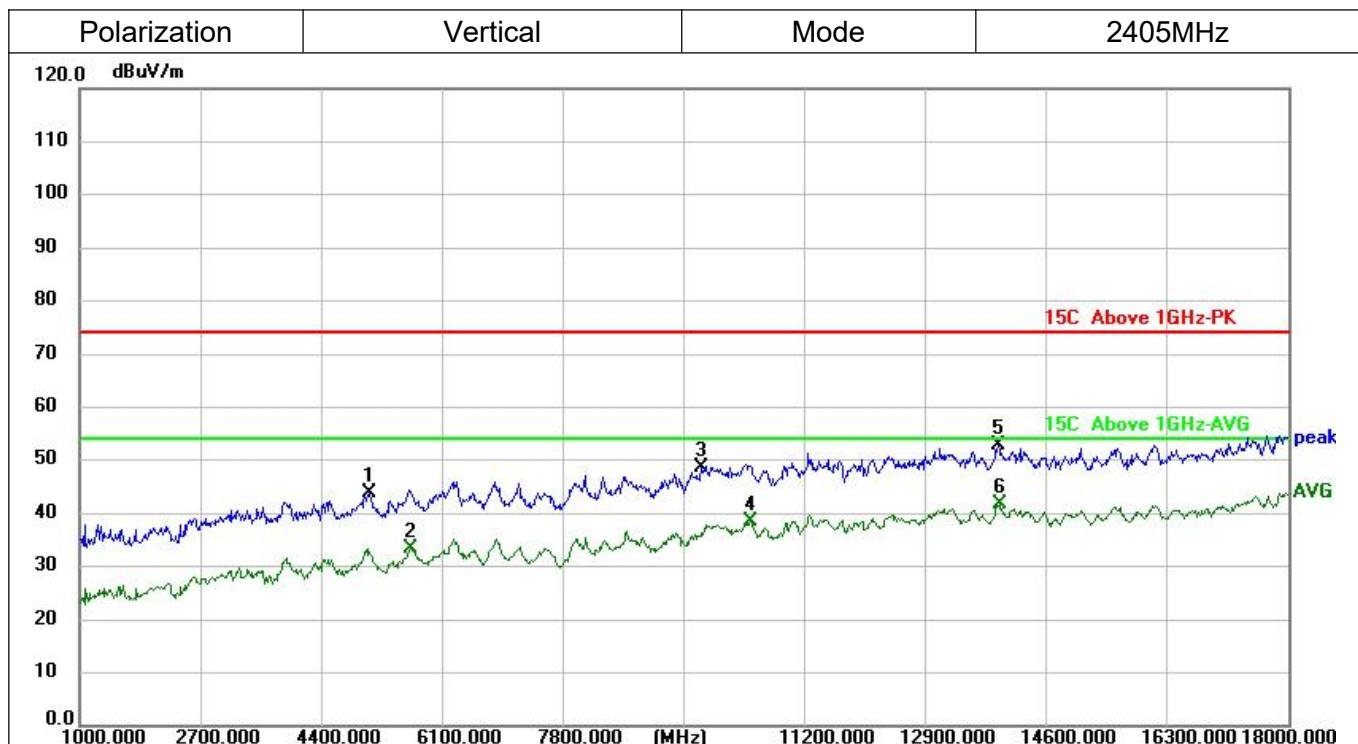
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	36.0007	57.96	-29.47	28.49	40.00	-11.51	peak
2	59.8588	55.94	-29.36	26.58	40.00	-13.42	peak
3	107.5101	55.60	-32.53	23.07	43.50	-20.43	peak
4	119.8556	69.48	-32.00	37.48	43.50	-6.02	peak
5	134.5592	57.42	-30.39	27.03	43.50	-16.47	peak
6	239.9874	64.82	-30.71	34.11	46.00	-11.89	peak

For 1 GHz ~ 18GHz:

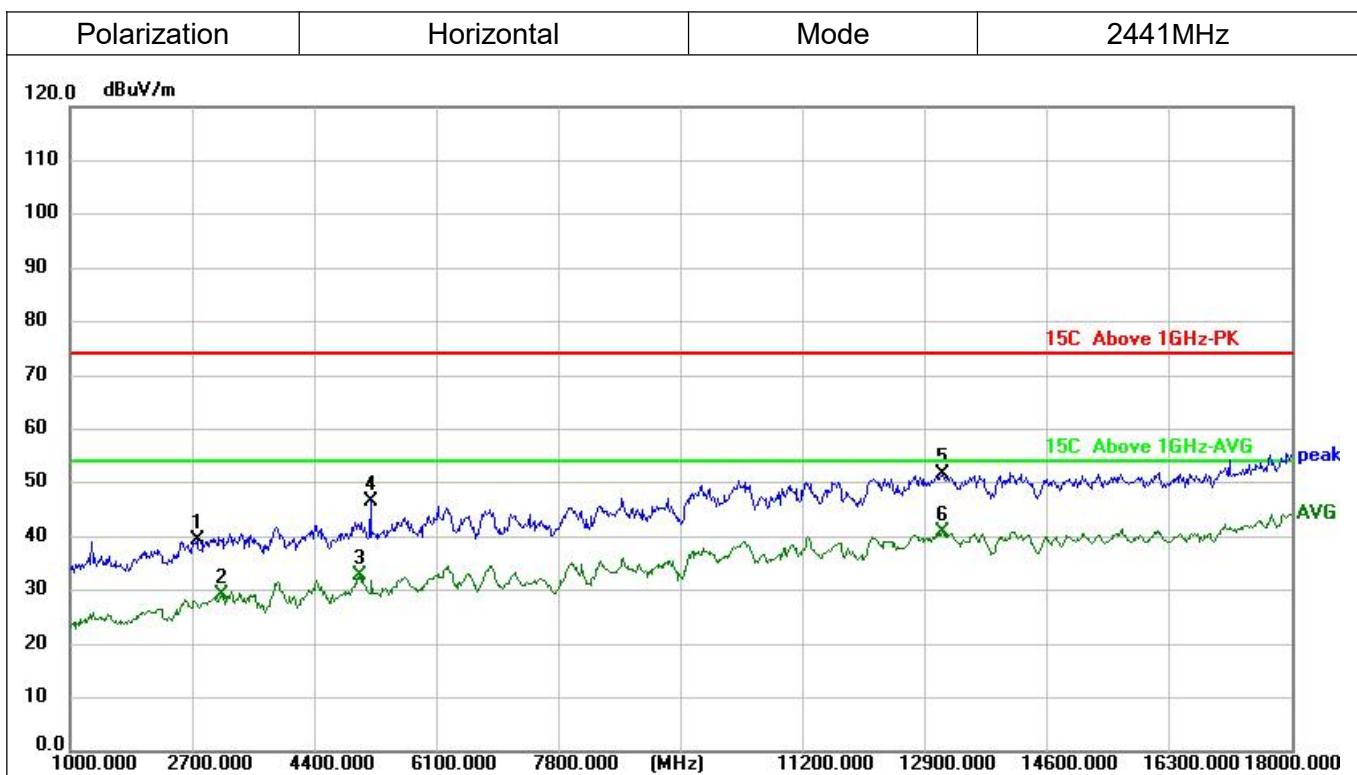
Note:

- 1.The all data rate modes had been test, but only worse test data was recorded in the test report.
- 2.In frequency ranges 18 ~25GHz no any other harmonic emissions detected which are tested to compliance with the limit. No recording in the test report. No any other emissions level which are attenuated less than 20dB below the limit. No recording in the test report.
- 3.We used the filter to test and the main frequency was filtered out.
- 4.Emission Level (dBuV/m) = Reading Value (dBuV) + Correction Factor (dB/m).
5. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)-Amplifier Gain.
6. The emission levels of other frequencies were less than 20dB margin against the limit.
7. Margin value = Emission level-Limit value.

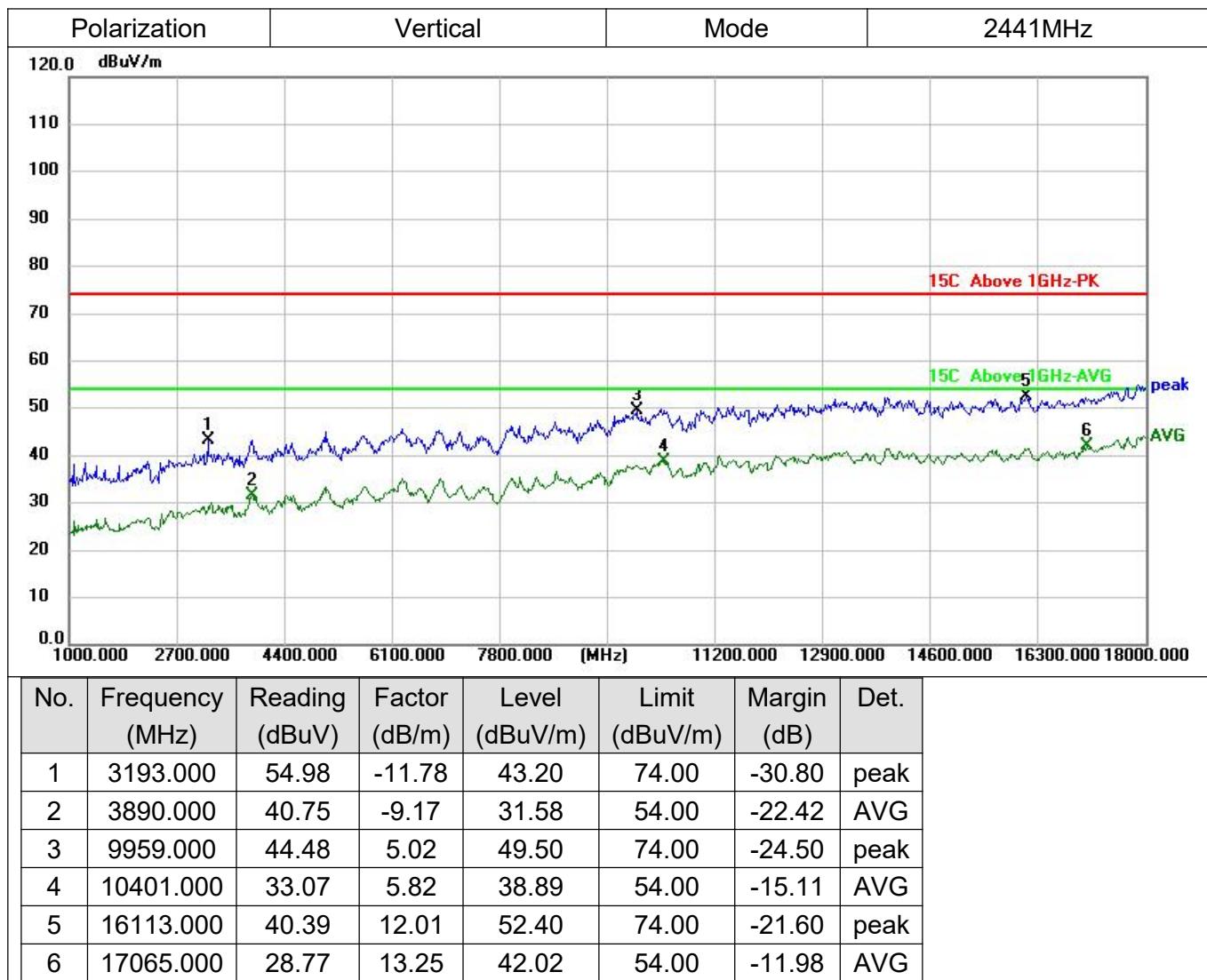


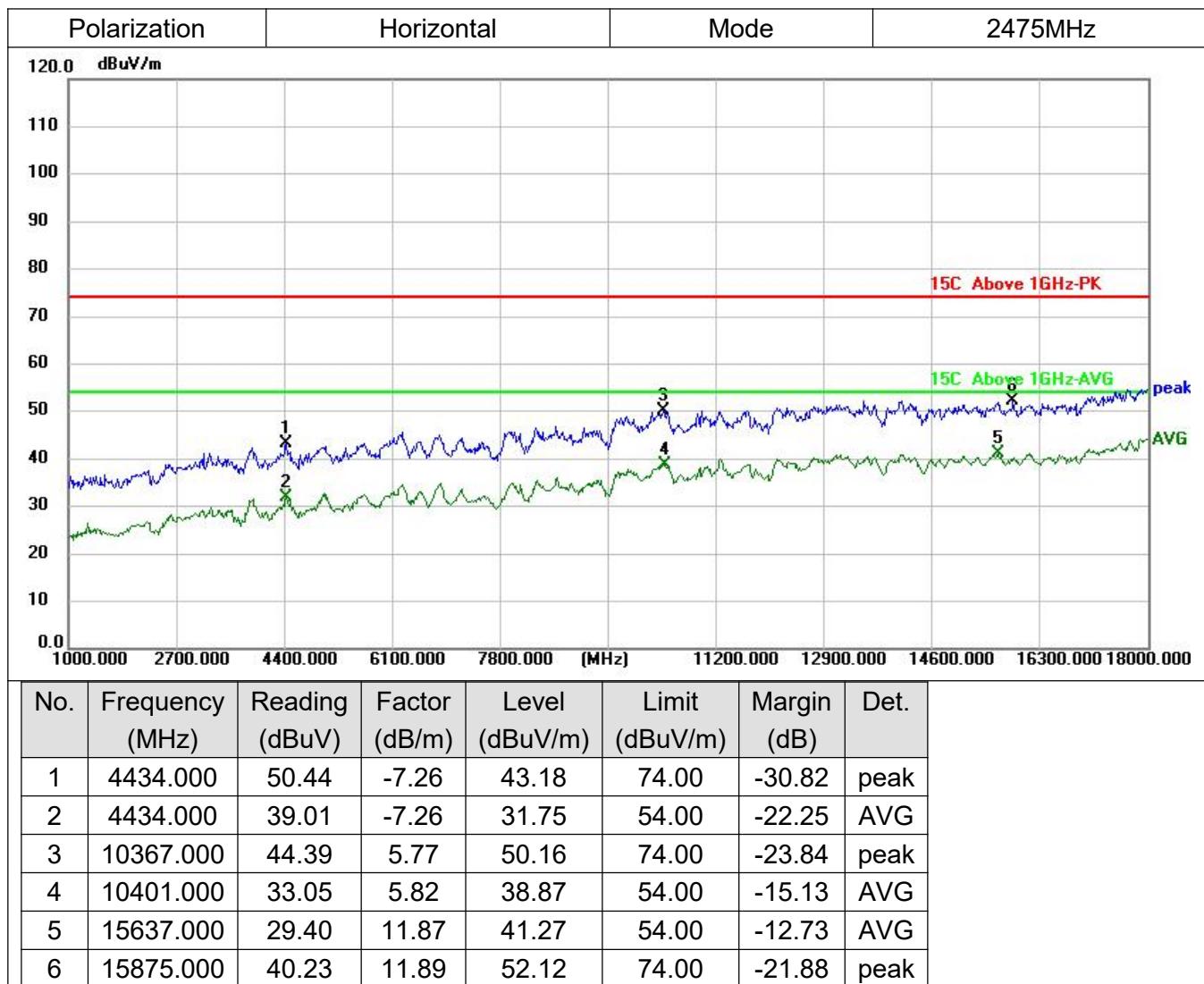


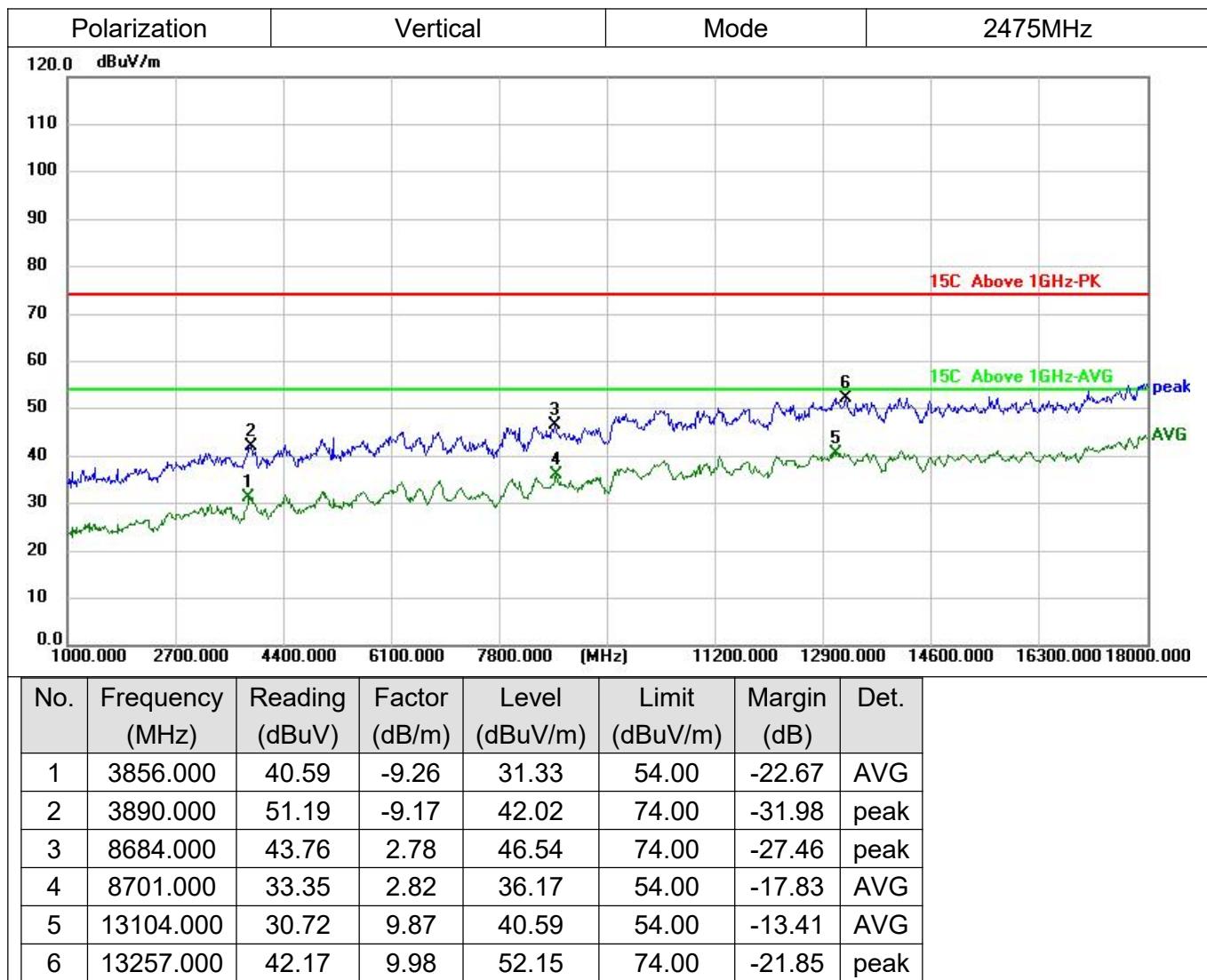
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	5080.000	48.79	-5.02	43.77	74.00	-30.23	peak
2	5658.000	37.53	-4.20	33.33	54.00	-20.67	AVG
3	9738.000	43.92	4.63	48.55	74.00	-25.45	peak
4	10435.000	32.62	5.87	38.49	54.00	-15.51	AVG
5	13920.000	42.22	10.52	52.74	74.00	-21.26	peak
6	13937.000	31.07	10.55	41.62	54.00	-12.38	AVG



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	
1	2768.000	53.46	-14.13	39.33	74.00	-34.67	peak	
2	3108.000	41.39	-12.07	29.32	54.00	-24.68	Avg	
3	5029.000	37.80	-5.14	32.66	54.00	-21.34	Avg	
4	5182.000	51.24	-4.78	46.46	74.00	-27.54	peak	
5	13138.000	41.76	9.90	51.66	74.00	-22.34	peak	
6	13138.000	30.94	9.90	40.84	54.00	-13.16	Avg	







Field Strength of Fundamental

Note:

1. Level (dBuV/m) = Reading Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)-Amplifier Gain.

Freq. (MHz)	Reading (dBuv)	Factor (dB/m)	Level (dBuv/m)	Limit (dBuV/m)	Margin (dB)	Remark	Polarity
2405	104.36	-15.82	88.54	114	-25.46	Peak	Horizontal
2405	100.42	-15.82	84.60	94	-9.4	Average	Horizontal
2405	97.56	-15.82	81.74	114	-32.26	Peak	Vertical
2405	93.39	-15.82	77.57	94	16.43	Average	Vertical
2441	102.33	-15.56	86.77	114	-27.23	Peak	Horizontal
2441	98.26	-15.56	82.70	94	-11.30	Average	Horizontal
2441	101.28	-15.56	85.72	114	-28.28	Peak	Vertical
2441	96.34	-15.56	80.78	94	13.22	Average	Vertical
2475	107.34	-15.35	91.99	114	-22.01	Peak	Horizontal
2475	103.41	-15.35	88.06	94	-5.94	Average	Horizontal
2475	107.52	-15.35	92.17	114	-21.83	Peak	Vertical
2475	103.58	-15.35	88.23	94	-5.77	Average	Vertical

3.2. Band edge Test

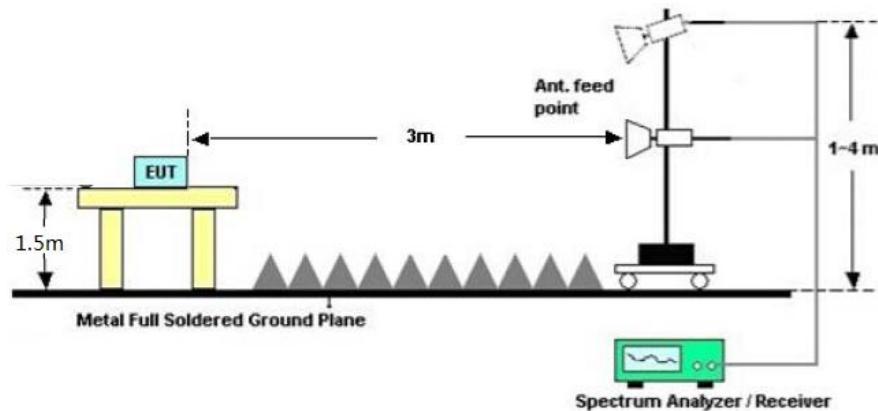
3.2.1. Limit

Frequency Band	Limit of the Field Strength (dB μ V/m)	
	Peak	Average
$f \leq 2390\text{MHz}$	74	54
$f \geq 2483.5\text{MHz}$	74	54

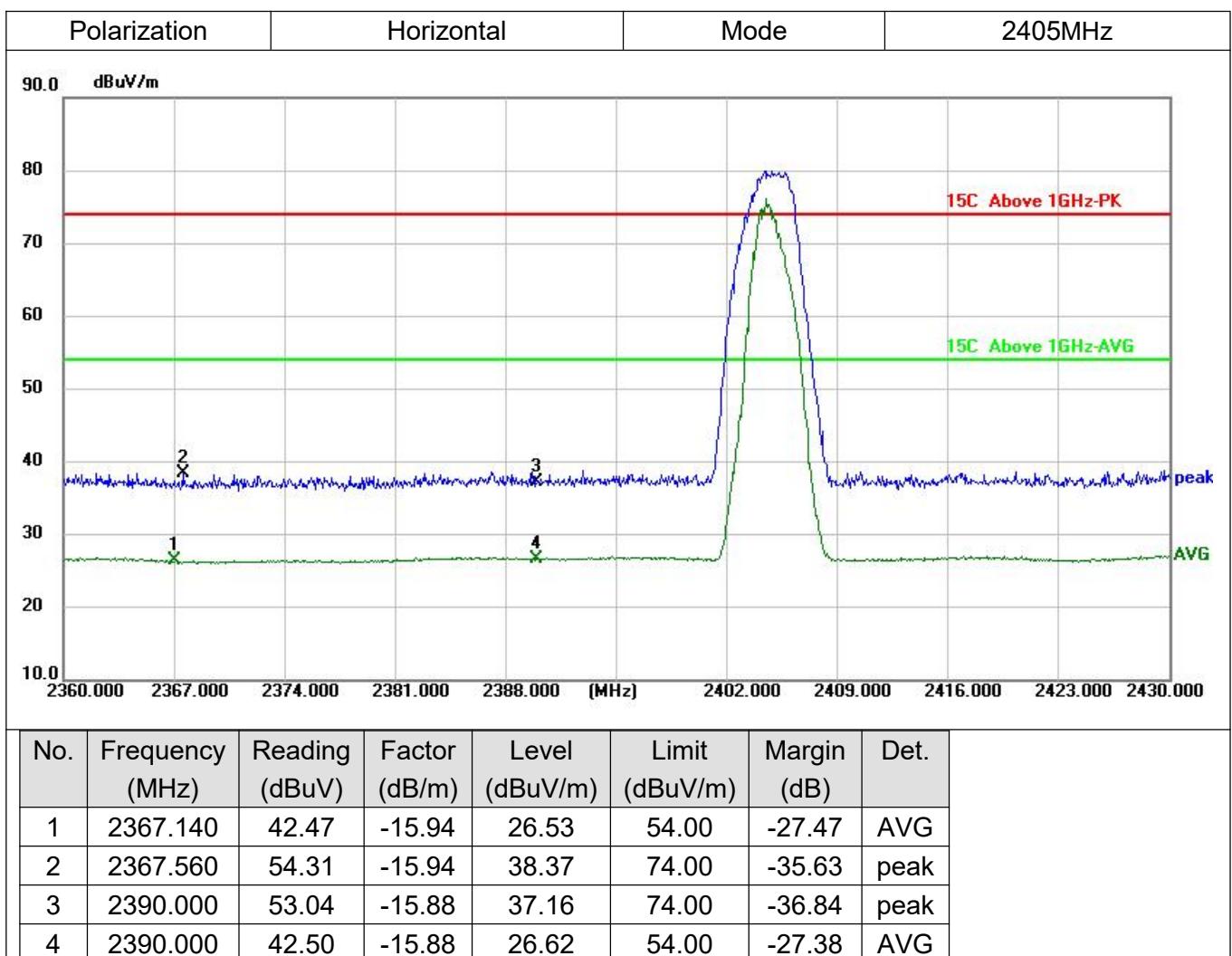
3.2.2. Test Procedure

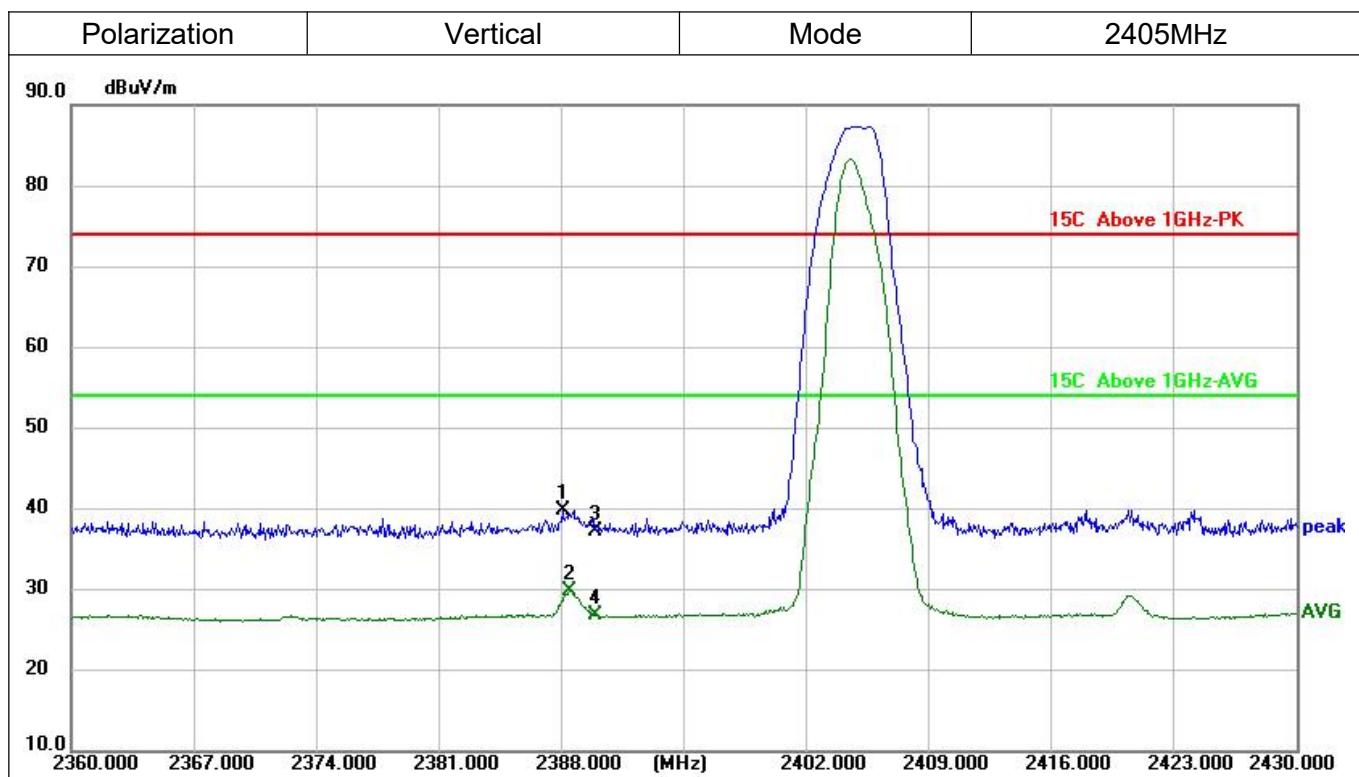
1. The EUT operates at transmitting mode. The operate channel is tested to verify the largest transmission and spurious emissions power at the continuous transmission mode.
2. Set the spectrum analyzer in the following setting in order to capture the lower and upper band-edges of the emission: (a) PEAK: RBW=1MHz, VBW=3MHz / Sweep=AUTO
(b) AVERAGE: RBW=1MHz ; VBW=1/on time(1KHz) / Sweep=AUTO

3.2.3. Test Setup

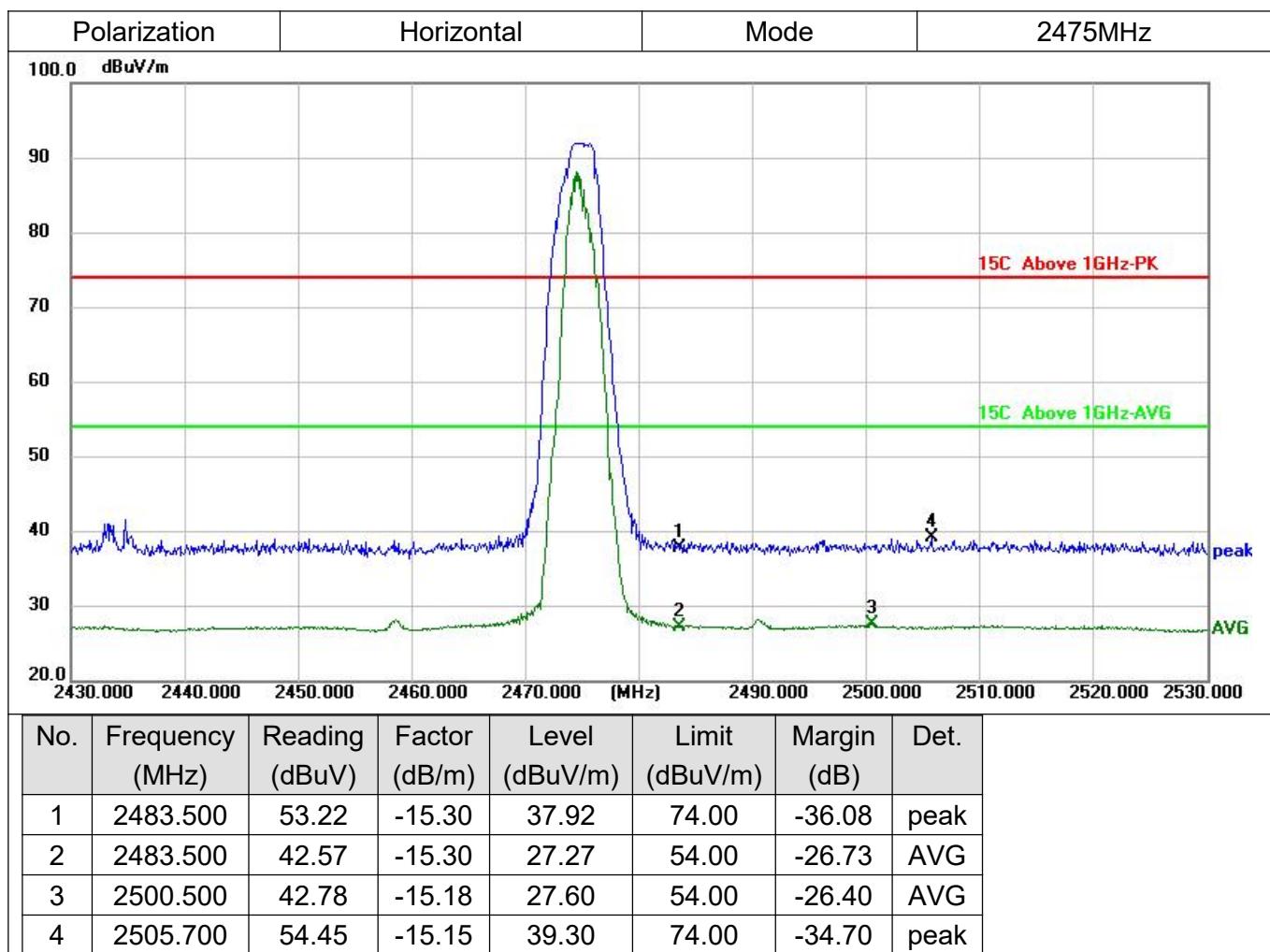


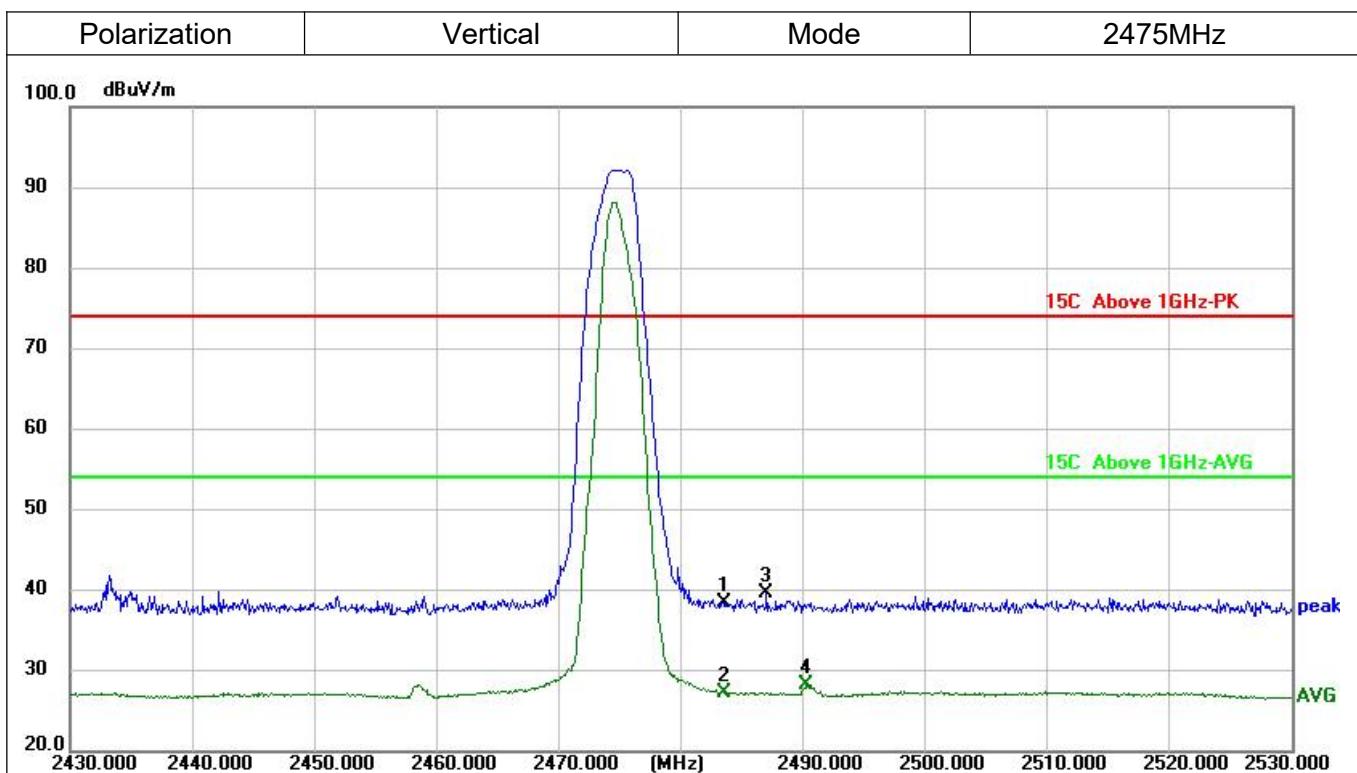
3.2.4. Test Result





No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	
1	2388.070	55.76	-15.88	39.88	74.00	-34.12	peak	
2	2388.490	45.78	-15.88	29.90	54.00	-24.10	AVG	
3	2390.000	53.21	-15.88	37.33	74.00	-36.67	peak	
4	2390.000	42.72	-15.88	26.84	54.00	-27.16	AVG	





No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	
1	2483.500	53.74	-15.30	38.44	74.00	-35.56	peak	
2	2483.500	42.51	-15.30	27.21	54.00	-26.79	AVG	
3	2487.000	55.00	-15.27	39.73	74.00	-34.27	peak	
4	2490.300	43.54	-15.25	28.29	54.00	-25.71	AVG	

REMARKS:

1. Emission Level (dBuV/m) = Reading Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB)-Amplifier Gain.
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level-Limit value.

3.3. 20dB Bandwidth

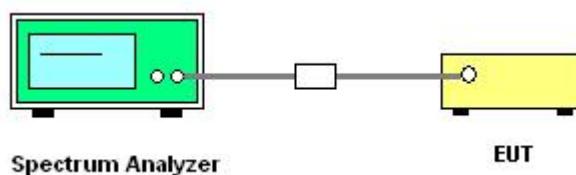
3.3.1. Limit

There is no limit requirement for 20dB Bandwidth.

3.3.2. Test Procedure

1. Set the EUT Work on the top, the middle and the bottom operation frequency individually.
2. Set SPA Centre Frequency = Operation Frequency, RBW= 30 KHz, VBW $\geq 3 \times$ RBW.
3. Set SPA Trace 1 Max hold, then View.

3.3.3. Test Setup



3.3.4. Test Result of 20dB Bandwidth

TEST ITEM	20DB BANDWIDTH
TEST MODULATION	GFSK

Test Data (MHz)		Criteria
Low Channel	1.794	PASS
Middle Channel	1.785	PASS
High Channel	1.776	PASS

TEST PLOT OF BANDWIDTH FOR LOW CHANNEL



TEST PLOT OF BANDWIDTH FOR MIDDLE CHANNEL



TEST PLOT OF BANDWIDTH FOR HIGH CHANNEL



3.4. AC Power-Line Conducted Emission

3.4.1. Limit

47 CFR 15.207(a): For an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table:

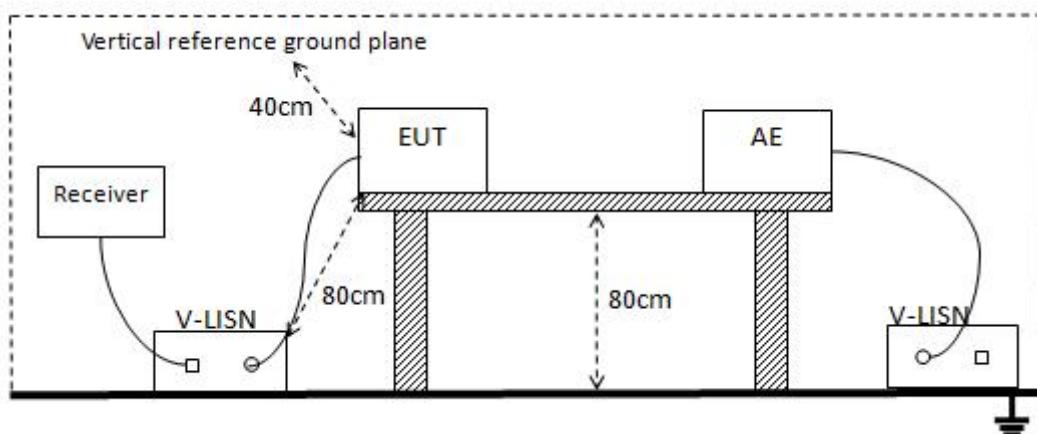
Frequency of emission (MHz)	Conducted limit (dB μ V)	
	Quasi-peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

3.4.2. Test Procedure

1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9 kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

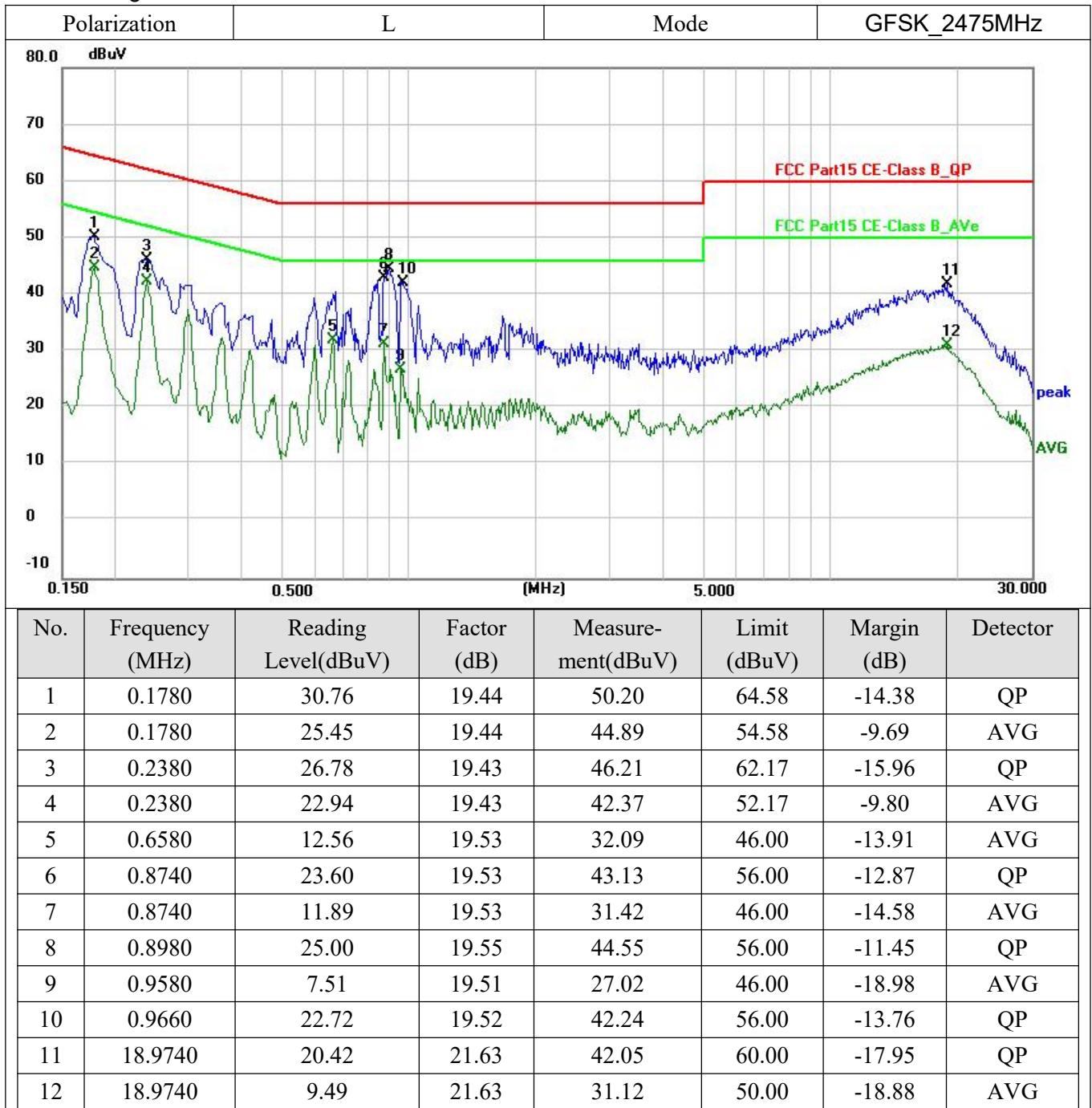
3.4.3. Test Setup

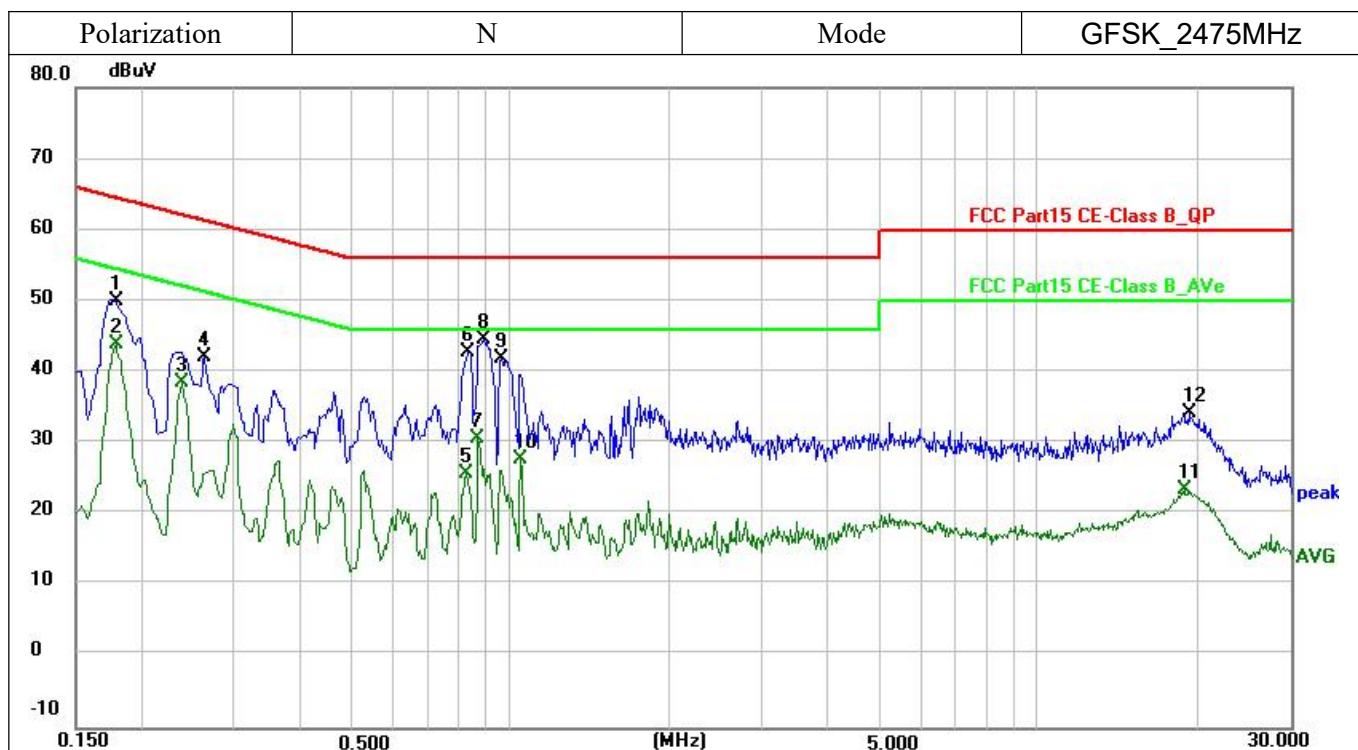


3.4.4. Test Result of AC Power-Line Conducted Emission

Note:

1. All modes have been tested, only worst case(GFSK_2475MHz)mode was recorded in the test report.
2. Emission Level (dBuV/m) = Reading Value (dBuV) + Correction Factor (dB/m).
3. The emission levels of other frequencies were less than 20dB margin against the limit.
4. Margin value = Emission level-Limit value.





No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measure-ment(dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1780	30.71	19.42	50.13	64.58	-14.45	QP
2	0.1780	24.47	19.42	43.89	54.58	-10.69	AVG
3	0.2380	19.15	19.42	38.57	52.17	-13.60	AVG
4	0.2620	22.72	19.43	42.15	61.37	-19.22	QP
5	0.8220	6.42	19.49	25.91	46.00	-20.09	AVG
6	0.8340	23.46	19.50	42.96	56.00	-13.04	QP
7	0.8700	11.13	19.51	30.64	46.00	-15.36	AVG
8	0.8900	25.03	19.52	44.55	56.00	-11.45	QP
9	0.9620	22.41	19.50	41.91	56.00	-14.09	QP
10	1.0460	8.34	19.52	27.86	46.00	-18.14	AVG
11	18.9100	2.12	21.43	23.55	50.00	-26.45	AVG
12	19.2340	12.92	21.45	34.37	60.00	-25.63	QP

3.5. Antenna Requirement

3.5.1. Standard Requirement

According to 47 CFR 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.

3.5.2. EUT Antenna

The antenna used for the EUT is Chip Antenna, which meets the antenna requirements.

4. TEST SETUP PHOTOGRAPHS

Please refer to the Appendix F.

5. EXTERNAL AND INTERNAL PHOTOS OF THE EUT

External Please refer to the Appendix G.

Internal Please refer to the Appendix H.

*****END OF THE REPORT*****