

# Global United Technology Services Co., Ltd.

Report No.: GTS2023120254F01

# **TEST REPORT**

Applicant: ShenZhen FLYSKY Technology Co.,Ltd

Address of Applicant: 16F, Huafeng Building, No. 6006 Shennan Road, Futian

District, Shenzhen, Guangdong, China

Manufacturer: ShenZhen FLYSKY Technology Co.,Ltd

Address of 16F, Huafeng Building, No. 6006 Shennan Road, Futian

Manufacturer: District, Shenzhen, Guangdong, China

Factory: Dongguan Flysky RC Model technology Co.,Ltd

Address of Factory: West building 3, HuangjinyuanInd Park, Qiaoli North Gate,

Changping Town, Dongguan, China

**Equipment Under Test (EUT)** 

Product Name: 6-CHANNEL RECEIVER

Model No.: FS-R6D-BS

Trade Mark: FLYSKY

FCC ID: 2A2UNR6D01

Applicable standards: FCC CFR Title 47 Part 15 Subpart C Section 15.247

Date of sample receipt: December 21, 2023

Date of Test: December 22, 2023-February 02, 2024

Date of report issued: February 02, 2024

Test Result : PASS \*

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

Authorized Signature:



This results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

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# 2 Version

Version No.	Date	Description
00	February 02, 2024	Original

Prepared By:	Smelly	Date:	February 02, 2024	
	Project Engineer			
Check By:	Johnson Lud	Date:	February 02, 2024	
	Reviewer			



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4 Test Summary

Test Item	Section	Result	
Antenna Requirement	15.203/15.247 (c)	Pass	
AC Power Line Conducted Emission	15.207	Pass	
Conducted Peak Output Power	15.247 (b)(1)	Pass	
20dB Occupied Bandwidth	15.247 (a)(1)	Pass	
Carrier Frequencies Separation	15.247 (a)(1)	Pass	
Hopping Channel Number	15.247 (a)(1)(iii)	Pass	
Dwell Time	15.247 (a)(1)(iii)	Pass	
Radiated Emission	15.205/15.209	Pass	
Band Edge	15.247(d)	Pass	

Pass: The EUT complies with the essential requirements in the standard.

Remark: Test according to ANSI C63.10:2013.

# 4.1 Measurement Uncertainty

Test Item	Frequency Range	Measurement Uncertainty	Notes			
Radiated Emission	9kHz-30MHz	3.1dB	(1)			
Radiated Emission	30MHz-200MHz	3.8039dB	(1)			
Radiated Emission	200MHz-1GHz	3.9679dB	(1)			
Radiated Emission	1GHz-18GHz	4.29dB	(1)			
Radiated Emission	18GHz-40GHz	3.30dB	(1)			
AC Power Line Conducted Emission 0.15MHz ~ 30MHz 3.44dB (1)						
Note (1): The measurement unce	ertainty is for coverage factor of k	=2 and a level of confidence of 9	95%			



## 5 General Information

# 5.1 General Description of EUT

Product Name:	6-CHANNEL RECEIVER
Model No.:	FS-R6D-BS
Serial No.:	RD1001536
Test sample(s) ID:	GTS2023120254-1
Sample(s) Status	Engineer sample
Operation Frequency:	2408MHz~2475MHz
Channel numbers:	135
Modulation method:	FHSS
Modulation technology:	GFSK
Antenna Type:	Coaxial antenna
Antenna gain:	-1.11dBi
Power supply:	DC 3.5-8.4V

#### Remark:

- 1. Antenna gain information provided by the customer
- 2. The relevant information of the sample is provided by the entrusting company, and the laboratory is not responsible for its authenticity.
- 3. The system works in the frequency range of 2408MHz to 2475MHz. This band has been divided to 135 independent channels. Each radio system uses 16 different channels; the minimum channel separation is ≥3.5MHz. By using various switch-on times, hopping scheme and channel frequencies, the system can guarantee a jamming free radio transmission. Pre-testing all radio systems, this radio system recorded in the report is the worst mode. The channel list is below.

#### The test frequencies are below:

Channel	Frequency		
The lowest channel	2408MHz		
The middle channel	2440MHz		
The Highest channel	2475MHz		



Operation F Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
	(MHz)		(MHz)		(MHz)		(MHz)
1	2408	36	2425.5	71	2443	106	2460.5
2	2408.5	37	2426	72	2443.5	107	2461
3	2409	38	2426.5	73	2444	108	2461.5
4	2409.5	39	2427	74	2444.5	109	2462
5	2410	40	2427.5	75	2445	110	2462.5
6	2410.5	41	2428	76	2445.5	111	2463
7	2411	42	2428.5	77	2446	112	2463.5
8	2411.5	43	2429	78	2446.5	113	2464
9	2412	44	2429.5	79	2447	114	2464.5
10	2412.5	45	2430	80	2447.5	115	2465
11	2413	46	2430.5	81	2448	116	2465.5
12	2413.5	47	2431	82	2448.5	117	2466
13	2414	48	2431.5	83	2449	118	2466.5
14	2414.5	49	2432	84	2449.5	119	2467
15	2415	50	2432.5	85	2450	120	2467.5
16	2415.5	51	2433	86	2450.5	121	2468
17	2416	52	2433.5	87	2451	122	2468.5
18	2416.5	53	2434	88	2451.5	123	2469
19	2417	54	2434.5	89	2452	124	2469.5
20	2417.5	55	2435	90	2452.5	125	2470
21	2418	56	2435.5	91	2453	126	2470.5
22	2418.5	57	2436	92	2453.5	127	2471
23	2419	58	2436.5	93	2454	128	2471.5
24	2419.5	59	2437	94	2454.5	129	2472
25	2420	60	2437.5	95	2455	130	2472.5
26	2420.5	61	2438	96	2455.5	131	2473
27	2421	62	2438.5	97	2456	132	2473.5
28	2421.5	63	2439	98	2456.5	133	2474
29	2422	64	2439.5	99	2457	134	2474.5
30	2422.5	65	2440	100	2457.5	135	2475
31	2423	66	2440.5	101	2458		
32	2423.5	67	2441	102	2458.5		
33	2424	68	2441.5	103	2459		
34	2424.5	69	2442	104	2459.5		
35	2425	70	2442.5	105	2460		



#### 5.2 Test mode

Transmitting mode Keep the EUT in transmitting mode.

# 5.3 Test Facility

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

# • FCC —Registration No.: 381383

Designation Number: CN5029

Global United Technology Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in files.

## • ISED—Registration No.: 9079A

CAB identifier: CN0091

The 3m Semi-anechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification and Engineering Bureau of ISED for radio equipment testing.

#### • NVLAP (LAB CODE:600179-0)

Global United Technology Services Co., Ltd., is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP).

### 5.4 Test Location

All other tests were performed at:

Global United Technology Services Co., Ltd.

Address: No. 123-128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102

Tel: 0755-27798480 Fax: 0755-27798960

# 5.5 Description of Support Units

Manufacturer	Description	Model	Serial Number	
ShenZhen FLYSKY Technology Co.,Ltd	Remote control	FS-MG6-BS	N/A	
GW	DC POWER SUPPLY	GPR-6030D	EF924756	

# 5.6 Deviation from Standards

None.

### 5.7 Abnormalities from Standard Conditions

None.

# 5.8 Additional Instructions

Software (Used for test) from client

Built-in by manufacturer, power set default.

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# 6 Test Instruments list

Radia	ated Emission:	into not				
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	3m Semi- Anechoic Chamber	ZhongYu Electron	9.2(L)*6.2(W)* 6.4(H)	GTS250	June 23, 2021	June 22, 2024
2	Control Room	ZhongYu Electron	6.2(L)*2.5(W)* 2.4(H)	GTS251	N/A	N/A
3	EMI Test Receiver	Rohde & Schwarz	ESU26	GTS203	April 14, 2023	April 13, 2024
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9168	GTS640	March 19, 2023	March 18, 2025
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120 D	GTS208	April 17, 2023	April 16, 2025
6	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
7	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	GTS575	April 14, 2023	April 13, 2024
8	Loop Antenna	ZHINAN	ZN30900A	GTS534	Nov. 13, 2023	Nov.12, 2024
9	Broadband Preamplifier	SCHWARZBECK	BBV9718	GTS535	April 14, 2023	April 13, 2024
10	Amplifier(1GHz-26.5GHz)	HP	8449B	GTS601	April 14, 2023	April 13, 2024
11	Horn Antenna (18- 26.5GHz)	1	UG-598A/U	GTS664	Oct. 29, 2023	Oct. 28, 2024
12	Horn Antenna (26.5-40GHz)	A.H Systems	SAS-573	GTS665	Oct. 29, 2023	Oct. 28, 2024
13	FSV·Signal Analyzer (10Hz-40GHz)	Keysight	FSV-40-N	GTS666	March 13, 2023	March 12, 2024
14	Amplifier	1	LNA-1000-30S	GTS650	April 14, 2023	April 13, 2024
15	CDNE M2+M3-16A	HCT	30MHz-300MHz	GTS692	Nov. 08, 2023	Nov.07, 2024
16	Wideband Amplifier	1	WDA-01004000-15P35	GTS602	April 14, 2023	April 13, 2024
17	Thermo meter	JINCHUANG	GSP-8A	GTS643	April 19, 2023	April 18, 2024
18	RE cable 1	GTS	N/A	GTS675	July 31. 2023	July 30. 2024
19	RE cable 2	GTS	N/A	GTS676	July 31. 2023	July 30. 2024
20	RE cable 3	GTS	N/A	GTS677	July 31. 2023	July 30. 2024
21	RE cable 4	GTS	N/A	GTS678	July 31. 2023	July 30. 2024
22	RE cable 5	GTS	N/A	GTS679	July 31. 2023	July 30. 2024
23	RE cable 6	GTS	N/A	GTS680	July 31. 2023	July 30. 2024
24	RE cable 7	GTS	N/A	GTS681	July 31. 2023	July 30. 2024
25	RE cable 8	GTS	N/A	GTS682	July 31. 2023	July 30. 2024



Con	ducted Emission					
Item	Test Equipment	Manufacturer Model No.		Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Shielding Room	ZhongYu Electron	7.3(L)x3.1(W)x2.9(H)	GTS252	July 12, 2022	July 11, 2027
2	EMI Test Receiver	R&S	ESCI 7	GTS552	April 14, 2023	April 13, 2024
3	LISN	ROHDE & SCHWARZ	ENV216	GTS226	April 14, 2023	April 13, 2024
4	Coaxial Cable	GTS	N/A	GTS227	N/A	N/A
5	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
6	Thermo meter	JINCHUANG	GSP-8A	GTS642	April 19, 2023	April 18, 2024
7	7 Absorbing clamp Elektr		MDS21	GTS229	April 14, 2023	April 13, 2024
8	ISN	SCHWARZBECK	NTFM 8158	GTS565	April 14, 2023	April 13, 2024
9	High voltage probe	SCHWARZBECK	TK9420	GTS537	April 14, 2023	April 13, 2024
10	Antenna end assembly	Weinschel	1870A	GTS560	April 14, 2023	April 13, 2024

RF C	RF Conducted Test:									
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)				
1	MXA Signal Analyzer	Agilent	N9020A	GTS566	April 14, 2023	April 13, 2024				
2	EMI Test Receiver	R&S	ESCI 7	GTS552	April 14, 2023	April 13, 2024				
3	PSA Series Spectrum Analyzer	Agilent	E4440A	GTS536	April 14, 2023	April 13, 2024				
4	MXG vector Signal Generator	Agilent	N5182A	GTS567	April 14, 2023	April 13, 2024				
5	ESG Analog Signal Generator	Agilent	E4428C	GTS568	April 14, 2023	April 13, 2024				
6	USB RF Power Sensor	DARE	RPR3006W	GTS569	April 14, 2023	April 13, 2024				
7	RF Switch Box	Shongyi	RFSW3003328	GTS571	April 14, 2023	April 13, 2024				
8	Programmable Constant Temp & Humi Test Chamber	WEWON	WHTH-150L-40-880	GTS572	April 14, 2023	April 13, 2024				
9	Thermo meter	JINCHUANG	GSP-8A	GTS641	April 19, 2023	April 18, 2024				
10	EXA Signal Analyzer	Keysight	N9010B	MY60241168	Nov. 03, 2023	Nov. 02, 2024				

General used equipment:							
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)	
1	Barometer	KUMAO	SF132	GTS647	April 19, 2023	April 18, 2024	

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## 7 Test results and Measurement Data

# 7.1 Antenna requirement

**Standard requirement:** FCC Part15 C Section 15.203 /247(c)

#### 15.203 requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

### 15.247(c) (1)(i) requirement:

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

#### **EUT Antenna:**

The antenna is coaxial antenna, reference to the appendix II for details.



# 7.2 Conducted Emissions

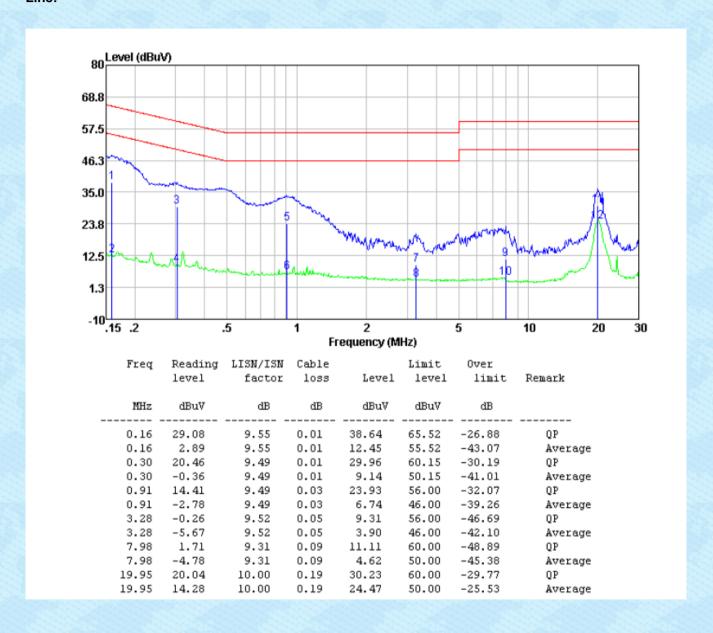
Test Requirement:	FCC Part15 C Section 15.207  ANSI C63.10:2013			
Test Method:				
Test Frequency Range:	150KHz to 30MHz RBW=9KHz, VBW=30KHz, Sweep time=auto			
Receiver setup:				
Limit:	Frequency range (MHz)	Limit	(dBuV)	
		Quasi-peak	Average	
	0.15-0.5	66 to 56*	56 to 46*	
	0.5-5     56     46       5-30     60     50			
	* Decreases with the logarithr		30	
Test setup:		Reference Plane		
,	I. The E.U.T and simulators are connected to the main power through a line impedence Stabilization Network Test table height-0.8m  1. The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 500hm/50uH coupling impedance for the measuring equipment.  2. The peripheral devices are also connected to the main power through a LISN that provides a 500hm/50uH coupling impedance with 500hm termination. (Please refer to the block diagram of the test setup and photographs).  3. Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2013 on conducted measurement.			
Test procedure:				
Test Instruments:	Refer to section 6.0 for details			
Test mode:	Refer to section 5.2 for details			
Test environment:	Temp.: 25 °C Humid.: 52% Press.			
Test voltage:	AC 120V, 60Hz			
Test results:	Pass			
AND COLORS OF THE PARTY OF THE				



#### Measurement data:

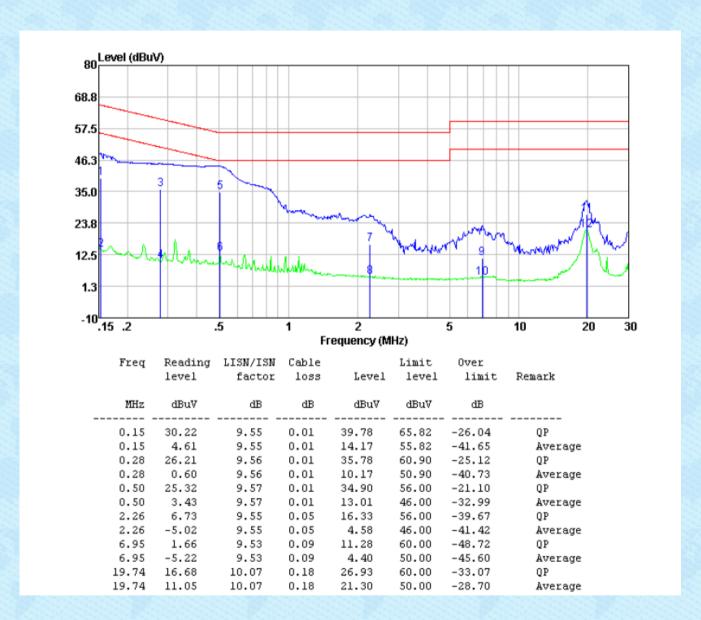
Pre-scan all test modes, found worst case at 2408MHz, and so only show the test result of it

### Line:





#### Neutral:

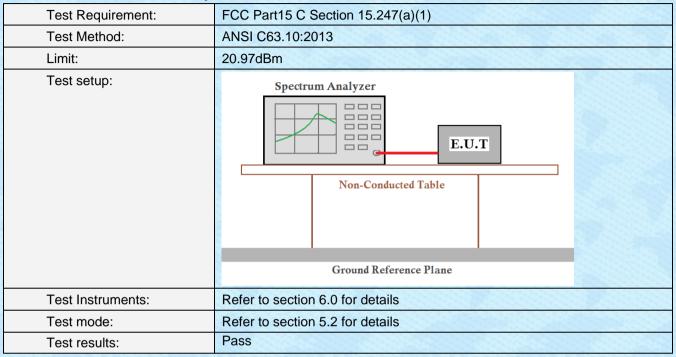


#### Notes

- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level = Receiver Read level + LISN Factor + Cable Loss



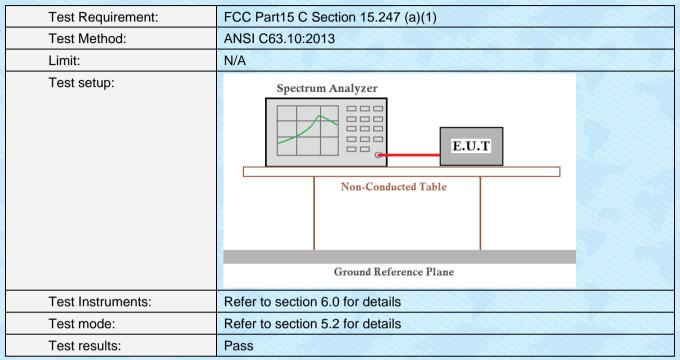
# 7.3 Conducted Peak Output Power



**Measurement Data:** The detailed test data see Appendix for 2.4G.



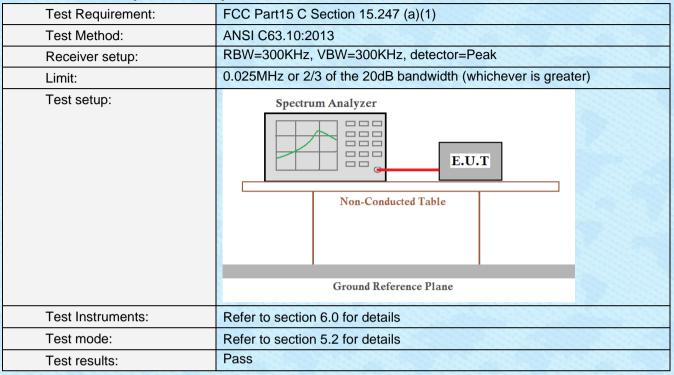
# 7.4 20dB Emission Bandwidth



Measurement Data: The detailed test data see Appendix for 2.4G.



# 7.5 Carrier Frequencies Separation



Measurement Data: The detailed test data see Appendix for 2.4G.

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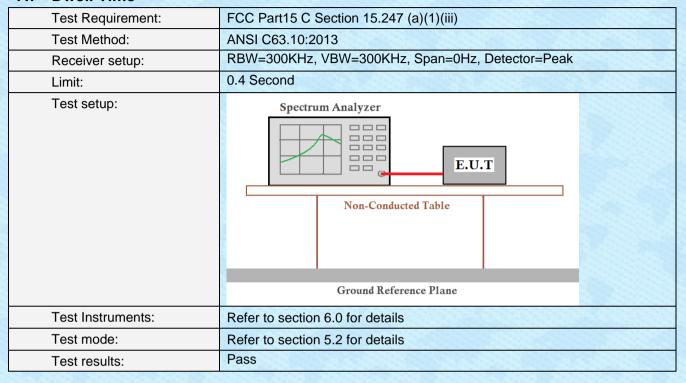
# 7.6 Hopping Channel Number

Test Requirement:	FCC Part15 C Section 15.247 (a)(1)(iii)		
Test Method:	ANSI C63.10:2013		
Receiver setup:	RBW=300kHz, VBW=300kHz, Frequency range=2400MHz-2483.5MHz, Detector=Peak		
Limit:	15 channels		
Test setup:	Spectrum Analyzer  E.U.T  Non-Conducted Table  Ground Reference Plane		
Test Instruments:	Refer to section 6.0 for details		
Test mode:	Refer to section 5.2 for details		
Test results:	Pass		

Measurement Data: The detailed test data see Appendix for 2.4G.



# 7.7 Dwell Time



Measurement Data: The detailed test data see Appendix for 2.4G.

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# 7.8 Spurious Emission in Non-restricted & restricted Bands

# 7.8.1 Conducted Emission Method

Test Requirement:	FCC Part15 C Section 15.247 (d)		
Test Method:	ANSI C63.10:2013		
Receiver setup:	RBW=100kHz, VBW=300kHz, Detector=Peak		
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.		
Test setup:	Spectrum Analyzer  E.U.T  Non-Conducted Table  Ground Reference Plane		
Test Instruments:	Refer to section6.0 for details		
Test mode:	Refer to section 5.2 for details		
Test results:	Pass		

**Measurement Data:** The detailed test data see Appendix for 2.4G.



#### 7.8.2 Radiated Emission Method

7.8.2 Radiated Emission Method					
FCC Part15 C Section	on 15.	.209 and 1	5.205		
ANSI C63.10:2013					
9kHz to 25GHz					
Measurement Distar	nce: 3	m			
Frequency	De	etector	RBW	VBW	/ Value
9KHz-150KHz	Qua	asi-peak	200Hz	600H	z Quasi-peak
150KHz-30MHz	Qua	asi-peak	9KHz	30KH	z Quasi-peak
30MHz-1GHz					
Above 1GHz				3MHz	
	700				
Frequency		Limit (u\	//m)	Value	Measurement Distance
0.009MHz-0.490MHz		2400/F(K	(Hz)	QP	300m
0.490MHz-1.705M	lHz	24000/F(I	KHz)	QP	30m
1.705MHz-30MH	lz	30		QP	30m
30MHz-88MHz		100		QP	
88MHz-216MHz	Z	150		QP	
		200		QP	3m
960MHz-1GHz					
Above 1GHz					
		5000		Peak	
Below 30MHz					
Test Antenna Receiver Below 1GHz					
	FCC Part15 C Section ANSI C63.10:2013 9kHz to 25GHz Measurement Distant Frequency 9KHz-150KHz 150KHz-30MHz 30MHz-1GHz Above 1GHz Note: For Duty cycle < 989 Frequency 0.009MHz-0.490M 0.490MHz-1.705M 1.705MHz-30MH 30MHz-88MHz 216MHz-960MH 960MHz-1GHz Above 1GHz  Below 30MHz	FCC Part15 C Section 15 ANSI C63.10:2013 9kHz to 25GHz  Measurement Distance: 3 Frequency D 9KHz-150KHz Qua 150KHz-30MHz Qua 30MHz-1GHz Qua Above 1GHz  Note: For Duty cycle ≥ cycle < 98%, ave Frequency 0.009MHz-0.490MHz 0.490MHz-1.705MHz 1.705MHz-30MHz 30MHz-88MHz 88MHz-216MHz 216MHz-960MHz 960MHz-1GHz Above 1GHz  Below 30MHz  Below 30MHz	FCC Part15 C Section 15.209 and 1  ANSI C63.10:2013  9kHz to 25GHz  Measurement Distance: 3m  Frequency Detector  9KHz-150KHz Quasi-peak  150KHz-30MHz Quasi-peak  30MHz-1GHz Quasi-peak  Peak  Peak  Note: For Duty cycle ≥ 98%, average detector  Frequency Limit (u/v)  0.009MHz-0.490MHz 2400/F(k)  0.490MHz-1.705MHz 24000/F(k)  1.705MHz-30MHz 30  30MHz-88MHz 100  88MHz-216MHz 150  216MHz-960MHz 200  960MHz-1GHz 500  Above 1GHz 5000  Below 30MHz  Fun Table  3m>  43m>  43m< 43m< 43m< 43m< 43m< 43m< 43m< 43m	FCC Part15 C Section 15.209 and 15.205  ANSI C63.10:2013  9kHz to 25GHz  Measurement Distance: 3m  Frequency Detector RBW  9KHz-150KHz Quasi-peak 200Hz  150KHz-30MHz Quasi-peak 9KHz  30MHz-1GHz Quasi-peak 120KHz  Above 1GHz Peak 1MHz  Note: For Duty cycle ≥ 98%, average detector set as  Frequency Limit (uV/m)  0.009MHz-0.490MHz 2400/F(KHz)  1.705MHz-30MHz 30  30MHz-88MHz 100  88MHz-216MHz 150  216MHz-960MHz 200  960MHz-1GHz 500  Above 1GHz 500  Below 30MHz  Below 30MHz  Receiver	FCC Part15 C Section 15.209 and 15.205  ANSI C63.10:2013  9kHz to 25GHz  Measurement Distance: 3m  Frequency Detector RBW VBW 9KHz-150KHz Quasi-peak 200Hz 600H 150KHz-30MHz Quasi-peak 9KHz 30KH 30MHz-1GHz Quasi-peak 120KHz 300KH Above 1GHz Peak 1MHz 10Hz Note: For Duty cycle ≥ 98%, average detector set as cycle < 98%, average detector set as below: V  Frequency Limit (uV/m) Value  0.009MHz-0.490MHz 2400/F(KHz) QP 0.490MHz-1.705MHz 24000/F(KHz) QP 1.705MHz-30MHz 30 QP 30MHz-88MHz 100 QP 88MHz-216MHz 150 QP 216MHz-960MHz 200 QP 960MHz-1GHz 500 QP Below 30MHz  Below 30MHz  Frequency Tum Table  Frequency Tum Table  Frequency RBW VBW



Report No.: GTS2023120254F01 Test Antenna EUT Turn Tables Preamplifier. Receiver-Above 1GHz Test Antenna < 1m ... 4m > EUT. Tum Table <150cm Receiver-Preamplifier-Test Procedure: The EUT was placed on the top of a rotating table (0.8 meters for below 1GHz and 1.5meters for above 1GHz) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rota table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. Test Instruments: Refer to section 5.8 for details Test mode: Refer to section 5.2 for details Temp. / Hum. Temp.: 25 °C Humid.: 52% Press.: 1 012mbar

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	Report No.: GTS2023120254F01
Test results:	Pass

#### Remark:

1. Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the Y-axis which it is worse case.

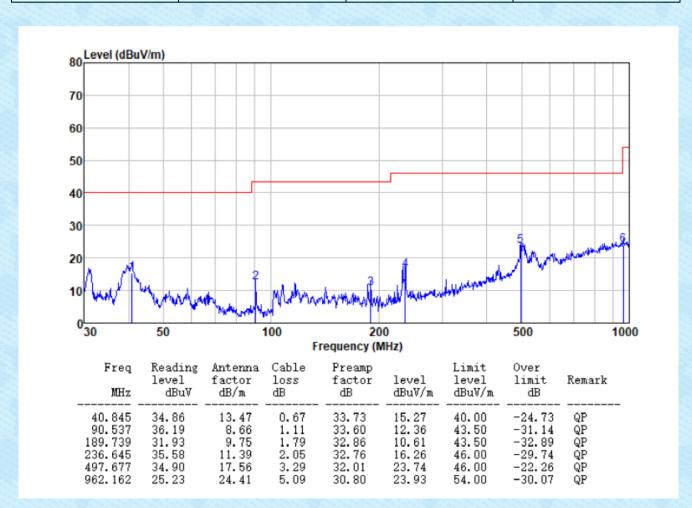
#### Measurement data:

#### ■ Below 30MHz

The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

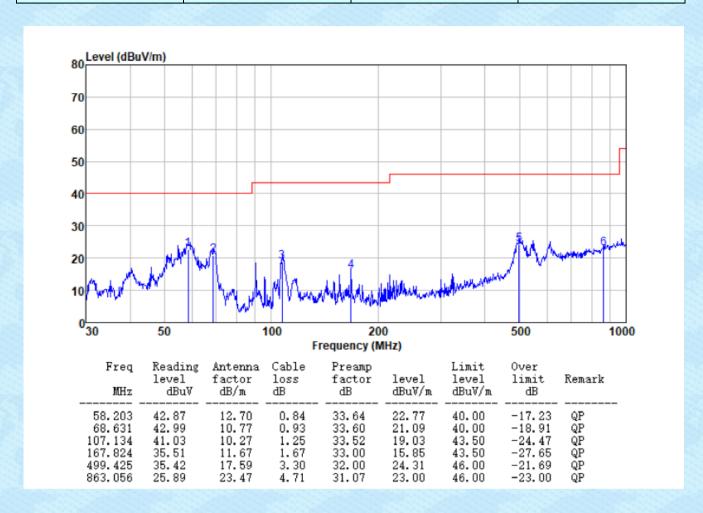
30MHz ~ 1GHz

Test channel: Lowest Polarization: Horizontal
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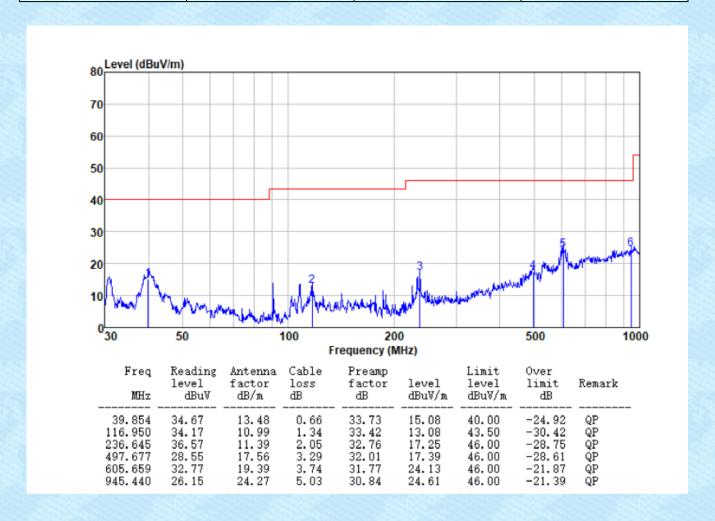


Test channel: Lowest Polarization: Vertical



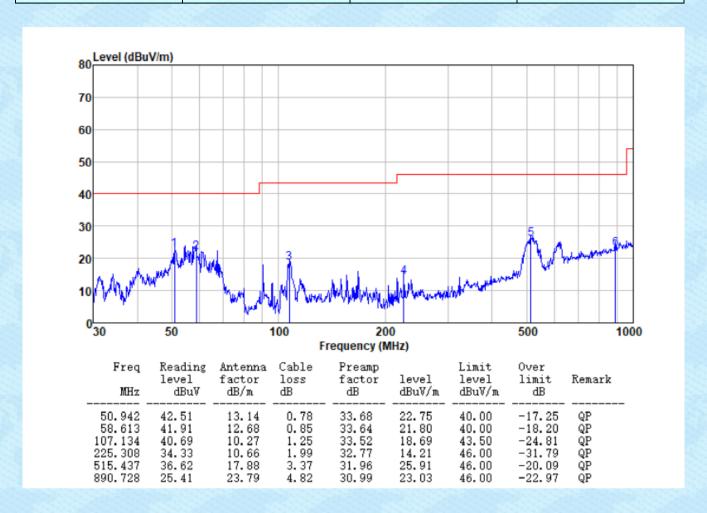


est channel:	Middle	Polarization:	Horizontal
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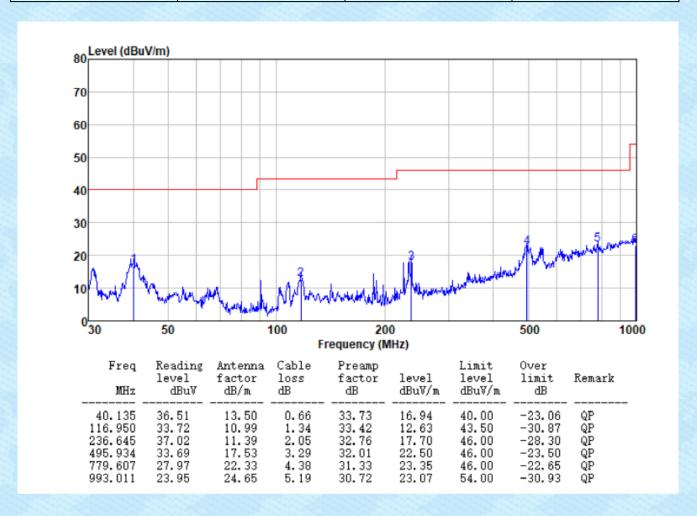


Test channel:	Middle	Polarization:	Vertical
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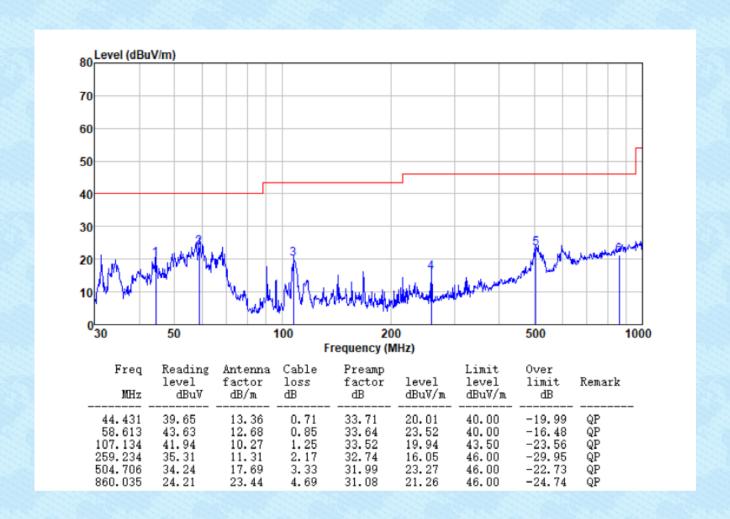


Test channel:	Highest	Polarization:	Horizontal
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	Test channel:	Highest	Polarization:	Vertical
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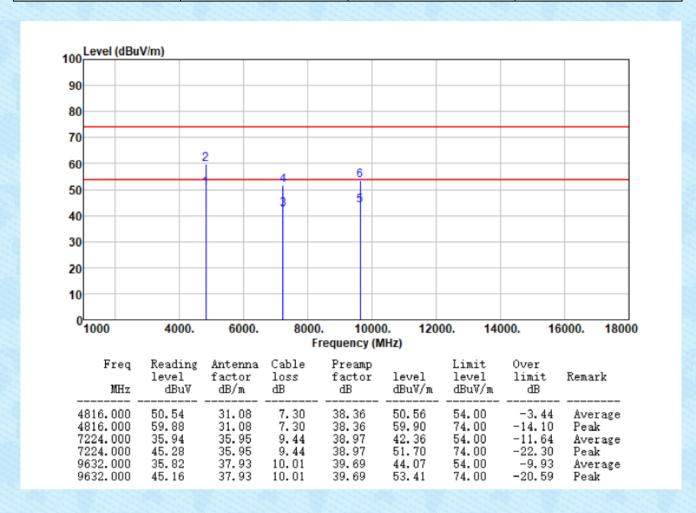




#### ■ Above 1GHz

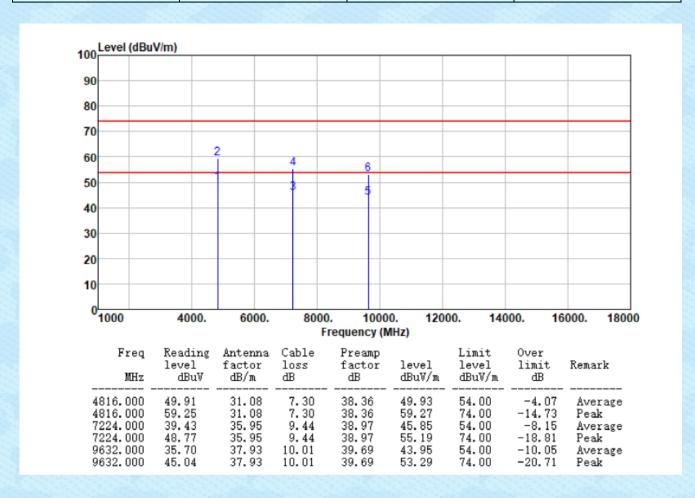
### Unwanted Emissions in Non-restricted Frequency Bands

Test channel: Lowest	Polarization:	Horizontal
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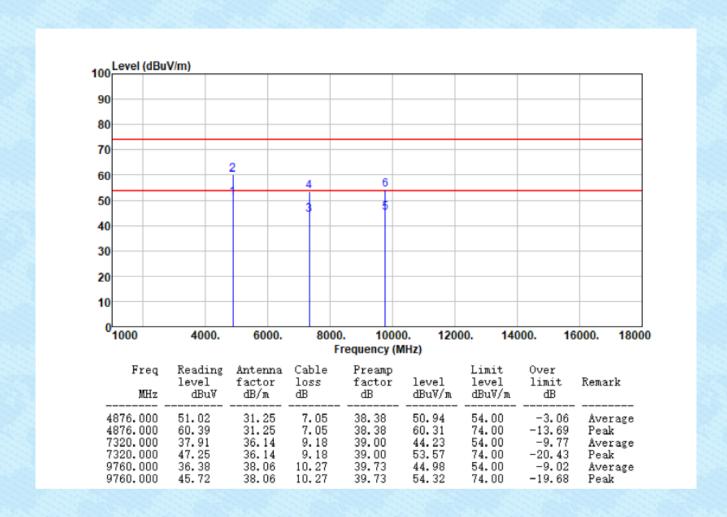


Test channel:	Lowest	Polarization:	Vertical
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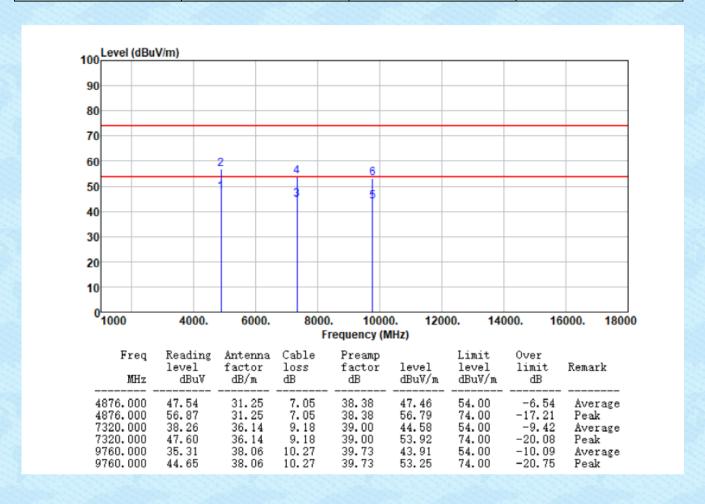


Test channel:   Middle   Polarization:   Horizontal
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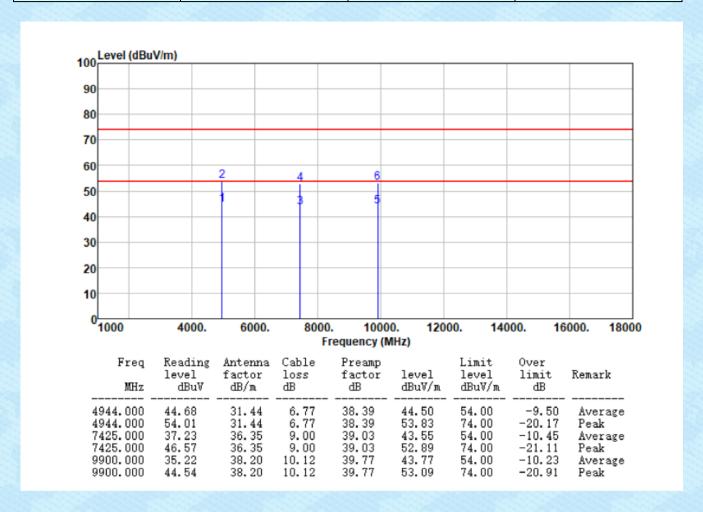


Test channel: Middle Polarization: Vertical



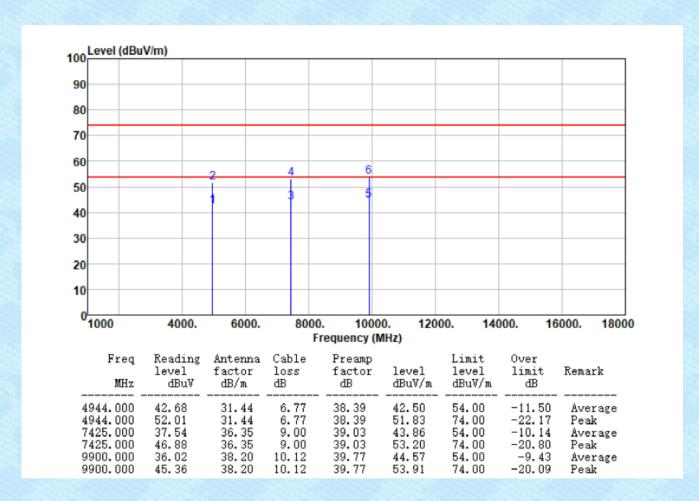


Test channel:	Highest	Polarization:	Horizontal
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Test channel:	Highest	Polarization:	Vertical
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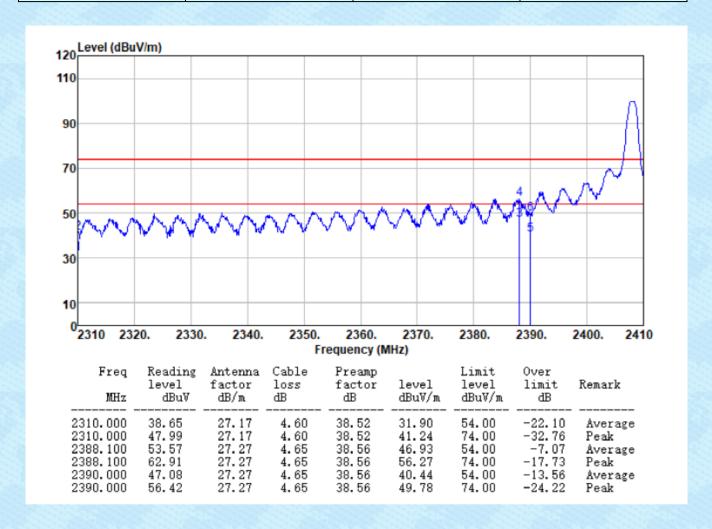
### Remark:

- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 3. For above 18GHz, no emission found.



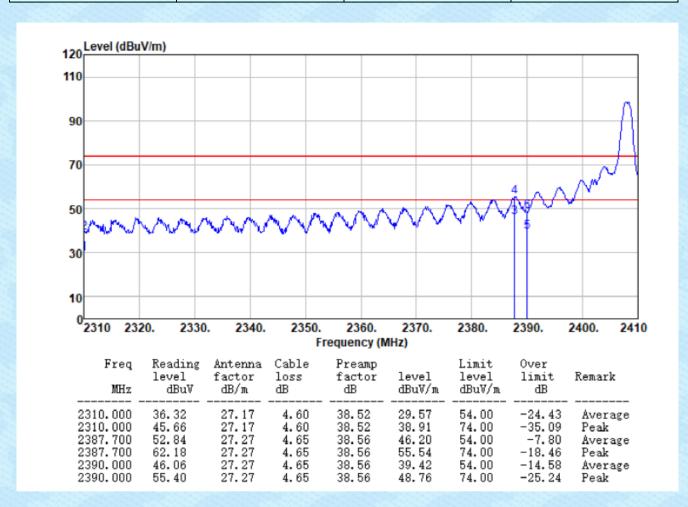
# ■ Unwanted Emissions in Restricted Frequency Bands

Test channel:	Lowest	Polarization:	Horizontal
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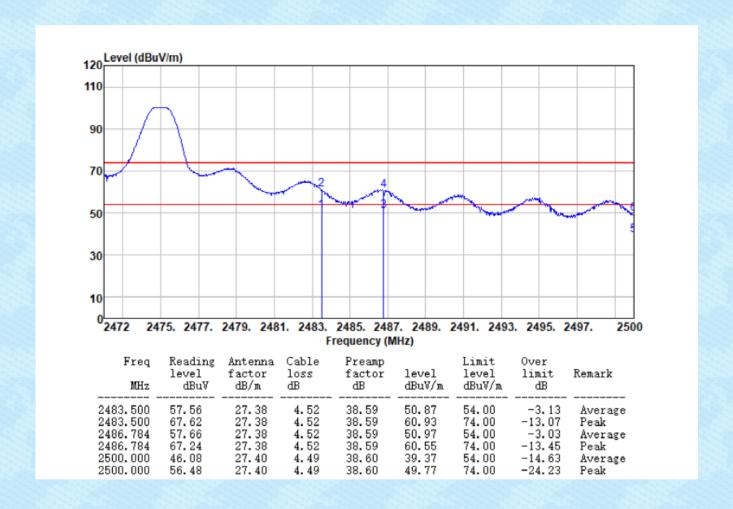


Test channel: Lowest Polarization: Vertical



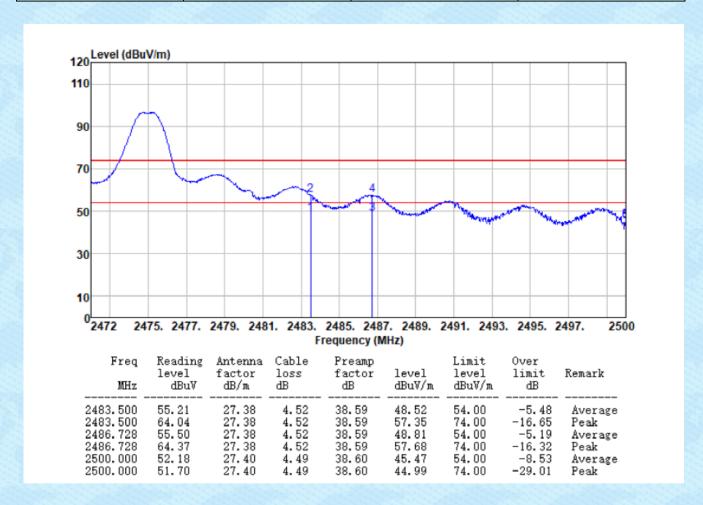


Test channel:	Highest	Polarization:	Horizontal
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Test channel:	Highest	Polarziation:	Vertical
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## Remarks:

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.



# 8 Test Setup Photo

Reference to the appendix I for details.

# 9 EUT Constructional Details

Reference to the appendix II for details.

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