

# Global United Technology Services Co., Ltd.

Report No.: GTS2023050573F01

## **TEST REPORT**

**Applicant:** ShenZhen FLYSKY Technology Co.,Ltd

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

District, Shenzhen, Guangdong, China

ShenZhen FLYSKY Technology Co., Ltd Manufacturer:

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

District, Shenzhen, Guangdong, China Manufacturer:

Dongguan Flysky RC Model technology Co.,Ltd **Factory:** 

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

Changping Town, Dongguan, China

**Equipment Under Test (EUT)** 

**Product Name:** 4-CHANNEL RECEIVER

Model No .: FGr4D

Trade Mark: **FLYSKY** 

FCC ID: 2A2UNFGR4D

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

Date of sample receipt: May 31, 2023

Date of Test: June 01, 2023-July 06, 2023

July 06, 2023 Date of report issued:

Test Result: PASS \*

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



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. Page 1 of 42



## 2 Version

Version No.	Date	Description
00	July 06, 2023	Original

Prepared By:	Tranklu	Date:	July 06, 2023	
	Project Engineer			
Check By:	Johnson Lust	Date:	July 06, 2023	
	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:	4-CHANNEL RECEIVER
Model No.:	FGr4D
Serial No.:	RD1001472
Test sample(s) ID:	GTS2023050573-1
Sample(s) Status	Engineer sample
Operation Frequency:	2402.6MHz~2479.4MHz
Channel numbers:	43
Modulation method:	FHSS
Modulation technology:	GMSK
Antenna Type:	ANT 1&2: 2.4G black PCB built-in antenna
Antenna gain:	ANT 1&2: 2.87dBi
Power supply:	DC 3.5-9V

Remark: The system works in the frequency range of 2402.6MHz to 2479.4MHz. This band has been divided to 43 independent channels. Each radio system uses 32 different channels; the minimum channel separation is ≥ 1.2MHz. 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	2402.6MHz
The middle channel	2440.4MHz
The Highest channel	2479.4MHz



Operation Frequency each of channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2402.6	12	2422.4	23	2442.2	34	2463.2
2	2404.4	13	2424.2	24	2445.2	35	2465
3	2406.2	14	2426	25	2447	36	2466.8
4	2408	15	2427.8	26	2448.8	37	2468.6
5	2409.8	16	2429.6	27	2450.6	38	2470.4
6	2411.6	17	2431.4	28	2452.4	39	2472.2
7	2413.4	18	2433.2	29	2454.2	40	2474
8	2415.2	19	2435	30	2456	41	2475.8
9	2417	20	2436.8	31	2457.8	42	2477.6
10	2418.8	21	2438.6	32	2459.6	43	2479.4
11	2420.6	22	2440.4	33	2461.4		



#### 5.2 Test mode

Transmitting mode Keep the EUT in transmitting mode.

Remark: During the test, the duty cycle >98%, the test voltage is adjusted from DC3.5V to DC9.0V, and found that the worst case was DC9.0V. So the report just shows that condition's data.

#### 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.

• IC —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 Industry Canada 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	FG4	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	nted Emission:						
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	Coaxial Cable	GTS	N/A	GTS213	April 21, 2023	April 20, 2024	
8	Coaxial Cable	GTS	N/A	GTS211	April 21, 2023	April 20, 2024	
9	Coaxial cable	GTS	N/A	GTS210	April 21, 2023	April 20, 2024	
10	Coaxial Cable	GTS	N/A	GTS212	April 21, 2023	April 20, 2024	
11	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	GTS575	April 14, 2023	April 13, 2024	
12	Loop Antenna	ZHINAN	ZN30900A	GTS534	Nov. 29, 2022	Nov. 28, 2023	
13	Broadband Preamplifier	SCHWARZBECK	BBV9718	GTS535	April 14, 2023	April 13, 2024	
14	Amplifier(1GHz-26.5GHz)	HP	8449B	GTS601	April 14, 2023	April 13, 2024	
15	Horn Antenna (18- 26.5GHz)	1	UG-598A/U	GTS664	Oct. 30, 2022	Oct. 29, 2023	
16	Horn Antenna (26.5-40GHz)	A.H Systems	SAS-573	GTS665	Oct. 30, 2022	Oct. 29, 2023	
17	FSV-Signal Analyzer (10Hz-40GHz)	Keysight	FSV-40-N	GTS666	March 13, 2023	March 12, 2024	
18	Amplifier	1	LNA-1000-30S	GTS650	April 14, 2023	April 13, 2024	
19	CDNE M2+M3-16A	HCT	30MHz-300MHz	GTS668	Dec. 20, 2022	Dec.19, 2023	
20	Thermo meter	JINCHUANG	GSP-8A	GTS643	April 19, 2023	April 18, 2024	



Cond	ucted Emission					
Item	Test Equipment Manufacturer Model No.		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	Absorbing clamp	Elektronik- Feinmechanik	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. 04, 2022	Nov. 03, 2023			

Gen	eral 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 2.4G black PCB built-in antenna, reference to the appendix II for details.



#### 7.2 Conducted Emissions

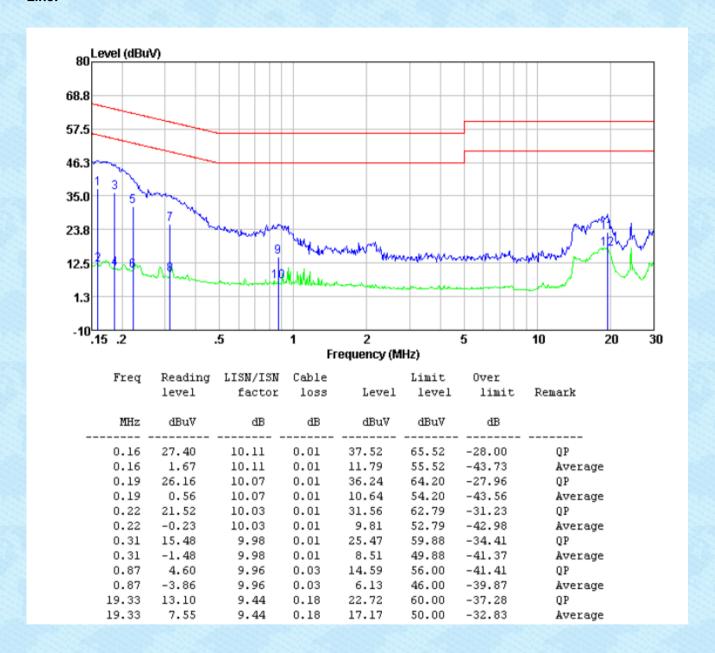
Conducted Emissions							
Test Requirement:	FCC Part15	C Section 1	5.207				
Test Method:	ANSI C63.10:2013						
Test Frequency Range:	150KHz to 30MHz						
Receiver setup:	RBW=9KH	z, VBW=30K	Hz, Swe	ep tim	e=auto		
Limit:	<u> </u>	(0.4)			Limit	(dBuV)	
	Frequency range (MHz)  Quasi-peak						rage
		0.15-0.5		66	6 to 56*	56 to	46*
		0.5-5			56	4	6
		5-30			60	5	0
	* Decrease	s with the log	garithm o	of the f	requency.		
Test setup:		Reference	e Plane				
	AUX Filter AC power Equipment E.U.T  Test table/Insulation plane  Remark E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m						
Test procedure:	<ol> <li>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 50ohm/50uH coupling impedance for the measuring equipment.</li> <li>The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs).</li> <li>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 :2009 on conducted measurement.</li> </ol>						
Test Instruments:	Refer to se	ction 6.0 for	details				
Test mode:	Refer to se	ction 5.2 for	details				
Test environment:	Temp.:	25 °C	Humid	.:	52%	Press.:	1012mbar
Test results:	Pass						



#### Measurement data

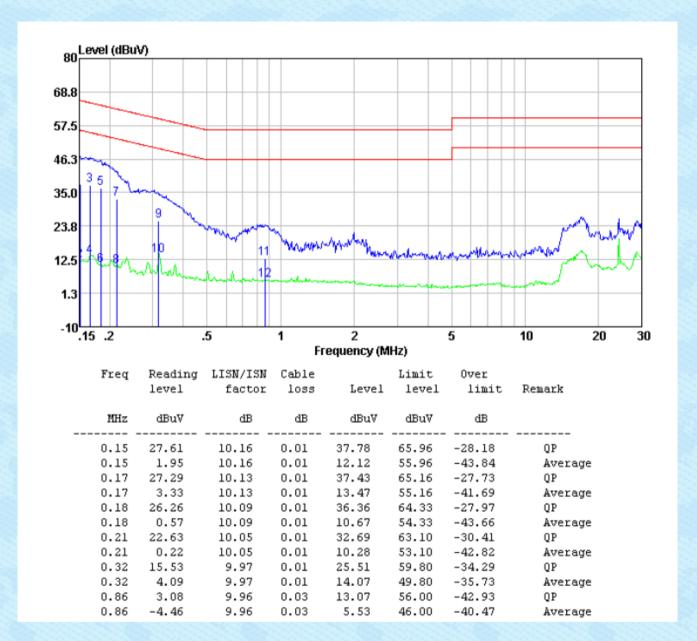
Pre-scan all test modes, found worst case at 2402.6MHz@Ant 1, and so only show the test result of it.

#### Line:





#### Neutral:

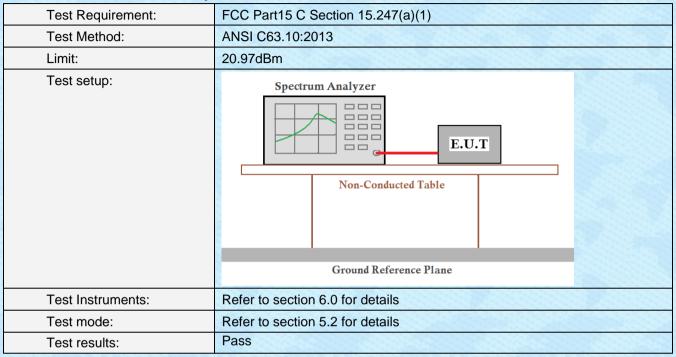


#### Notes:

- 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
- 4. If the average limit is met when using a quasi-peak detector receiver, the EUT shall be deemed to meet both limits and measurement with the average detector receiver is unnecessary.



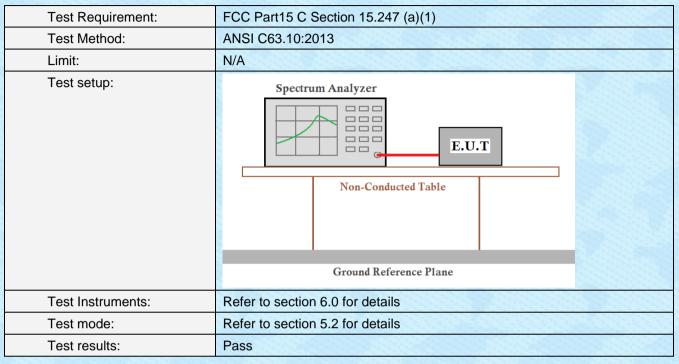
## 7.3 Conducted Peak Output Power



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



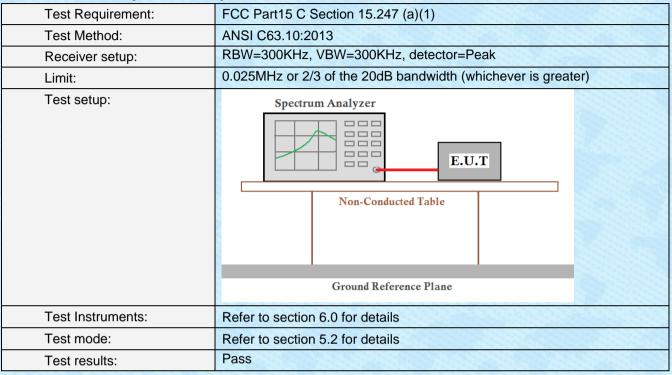
#### 7.4 20dB Emission Bandwidth



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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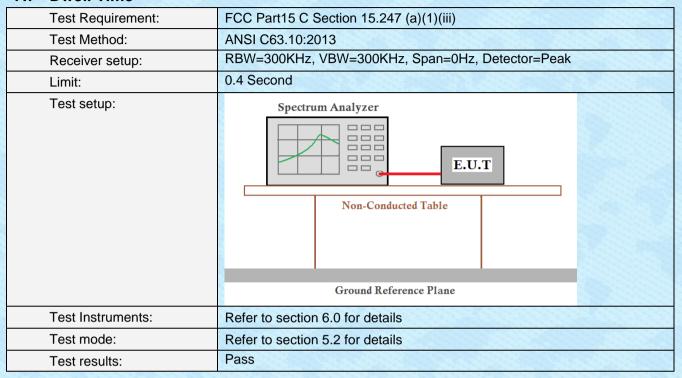
## 7.6 Hopping Channel Number

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

ethod							
FCC Part15 C Section	on 15.20	9 and 1	5.205				
ANSI C63.10:2013							
9kHz to 25GHz							
Measurement Distar	nce: 3m						
Frequency	Dete	ctor	RB\	Ν	VBW		Value
9KHz-150KHz	Quasi-	peak	200H	Ηz	600H	Z	Quasi-peak
150KHz-30MHz	Quasi-	peak	9KH	lz	30KH	Z	Quasi-peak
30MHz-1GHz	Quasi-	peak	120K	Hz	300KH	lz	Quasi-peak
Above 1GHz	Pea	ak	1MF	Ηz	3MHz	<u>z</u>	Peak
Above ronz	Pea	ak	1MF	lz	10Hz		Average
Frequency	L	.imit (u\	//m)	V	alue	M	leasurement Distance
0.009MHz-0.490M	Hz 2	400/F(k	(Hz)		QP		300m
0.490MHz-1.705M	Hz 24	1000/F(	KHz)		QP		300m
1.705MHz-30MHz		30			QP		30m
30MHz-88MHz		100			QP		
88MHz-216MHz		150			QP		
216MHz-960MH	Z	200			QP		3m
960MHz-1GHz		500			QP		0
Above 1GHz				-			
		5000	7	Р	eak		
Below 30MHz  Tum Table Som		Test A	lm Ĵ				
	FCC Part15 C Section ANSI C63.10:2013 9kHz to 25GHz Measurement Distar Frequency 9KHz-150KHz 150KHz-30MHz 30MHz-1GHz Above 1GHz Frequency 0.009MHz-0.490M 0.490MHz-1.705M 1.705MHz-30MH 30MHz-88MHz 88MHz-216MHz 216MHz-960MH 960MHz-1GHz Above 1GHz  Below 30MHz	FCC Part15 C Section 15.20 ANSI C63.10:2013 9kHz to 25GHz  Measurement Distance: 3m  Frequency Dete 9KHz-150KHz Quasi- 150KHz-30MHz Quasi- 30MHz-1GHz Quasi- Above 1GHz  Perecent Prequency L 0.009MHz-0.490MHz 2 0.490MHz-1.705MHz 22 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  Peak  Frequency Limit (u\  0.009MHz-0.490MHz 2400/F(R)  0.490MHz-1.705MHz 24000/F(R)  1.705MHz-30MHz 30  30MHz-88MHz 100  88MHz-216MHz 150  216MHz-960MHz 200  960MHz-1GHz 500  Above 1GHz 500  Below 30MHz  Below 30MHz  Tum Table <a href="#"></a>	FCC Part15 C Section 15.209 and 15.205  ANSI C63.10:2013  9kHz to 25GHz  Measurement Distance: 3m  Frequency Detector RBN 9KHz-150KHz Quasi-peak 2006 150KHz-30MHz Quasi-peak 120K 30MHz-1GHz Quasi-peak 120K Above 1GHz Peak 1MH Peak 1MH  Frequency Limit (uV/m)  0.009MHz-0.490MHz 24000/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  Tum Table  Receiver	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  Frequency Limit (uV/m) V  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  Receivery  Receivery  Receivery	FCC Part15 C Section 15.209 and 15.205	Section   15.209 and   15.205



Report No.: GTS2023050573F01 Test Antenna EUT Turn Table < 80cm Turn Tables Receiver-Preamplifier. Above 1GHz Test Antenna+ < 1m ... 4m > FUT. 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.: GTS2023050573F01
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.

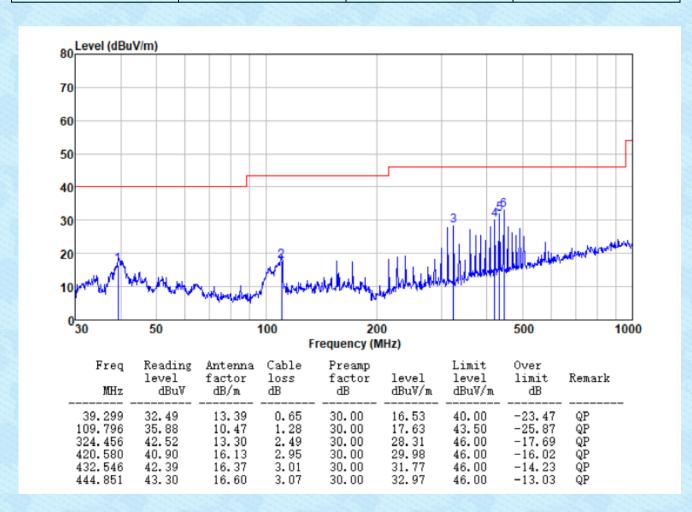
#### Measurement data:

#### ■ 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.

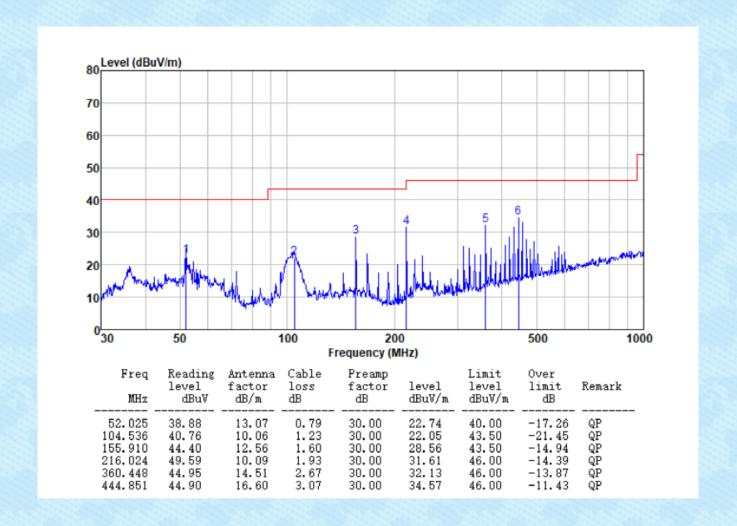
30MHz ~ 1GHz

All antennas have test, only the worst case ANT 1 report.



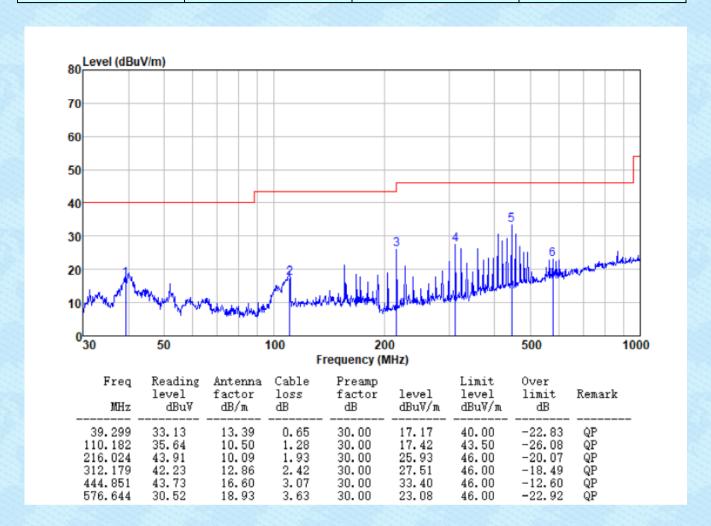


Test channel:	Lowest	Polarization:	Vertical
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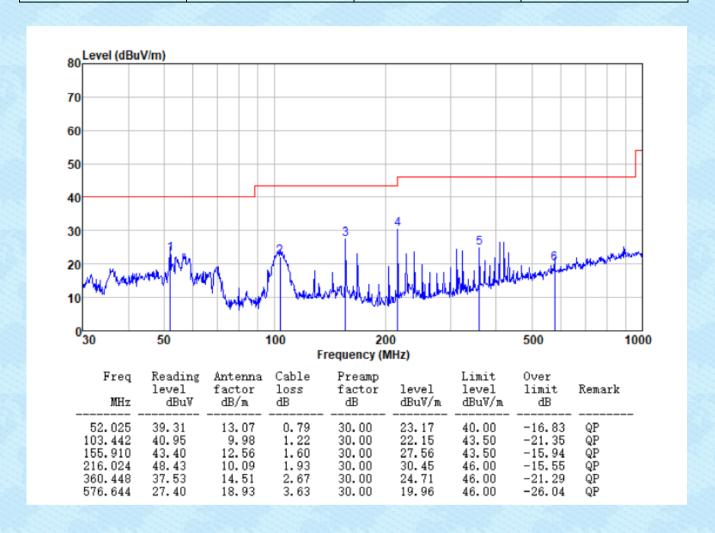


nnel: Middle	Polarization:	Horizontal
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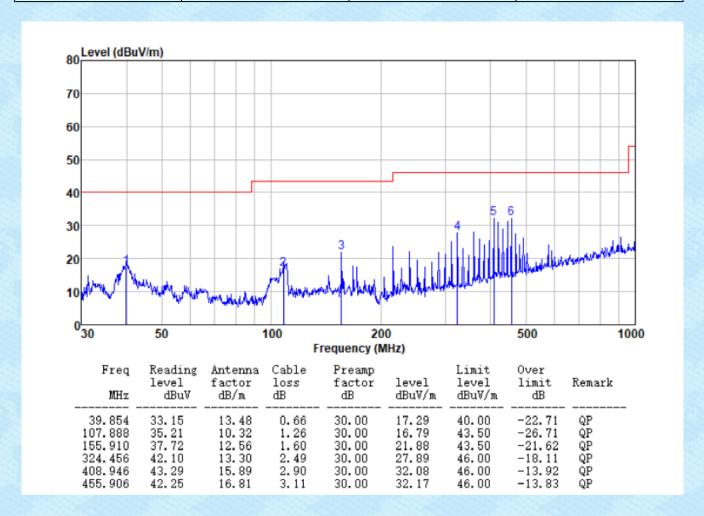


Test channel:	Middle	Polarization:	Vertical
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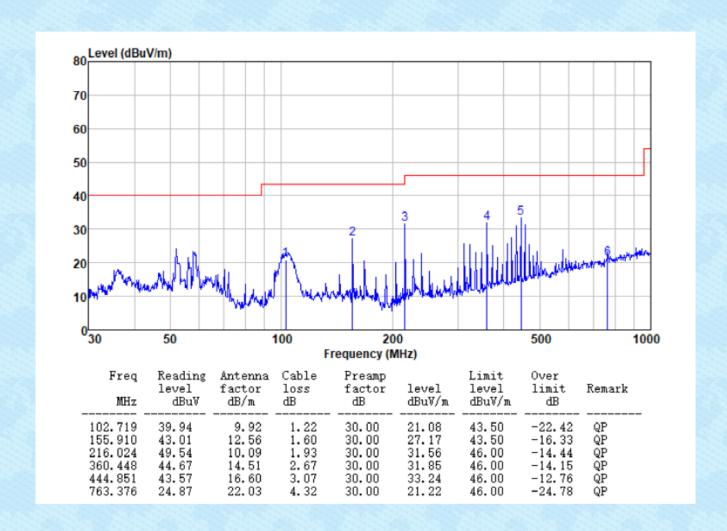


Test channel:	Highest	Polarization:	Horizontal
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Trigitott Trigitott Trigitott Trigitott		Test channel:	Highest	Polarization:	Vertical
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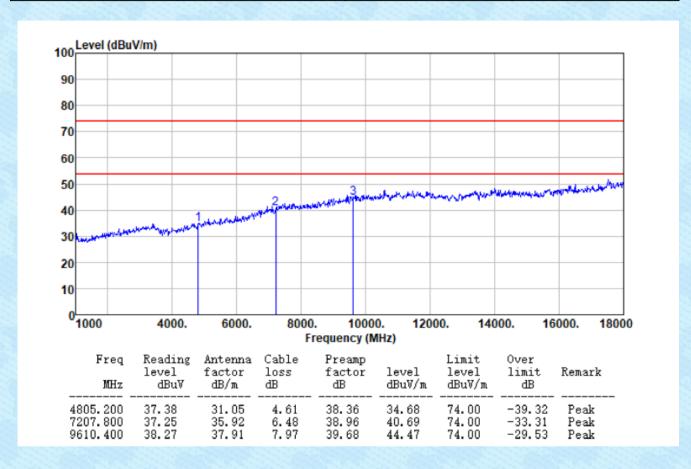


Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102 Telephone: +86 (0) 755 2779 8480 Fax: +86 (0) 755 2779 8960



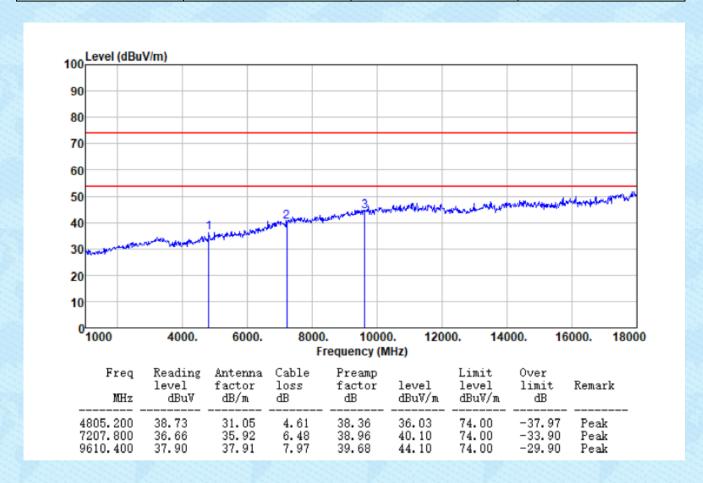
- Above 1GHz
- Unwanted Emissions in Non-restricted Frequency Bands
- All antennas have test, only the worst case ANT 1 report.

Test channel: Lowest Polarization: Horizontal



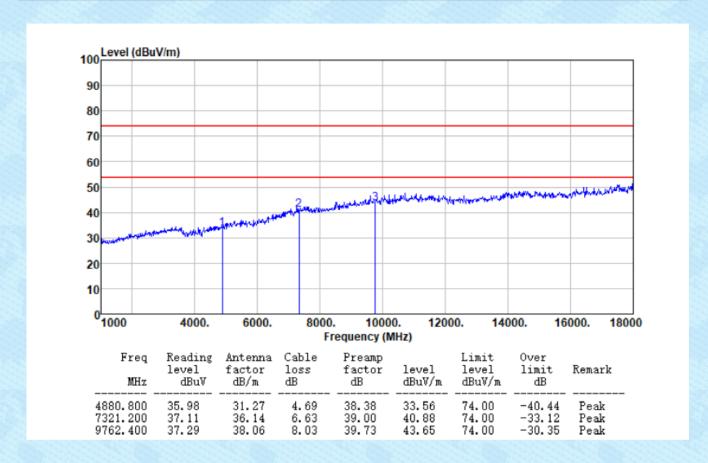


Test channel:	Lowest	Polarization:	Vertical
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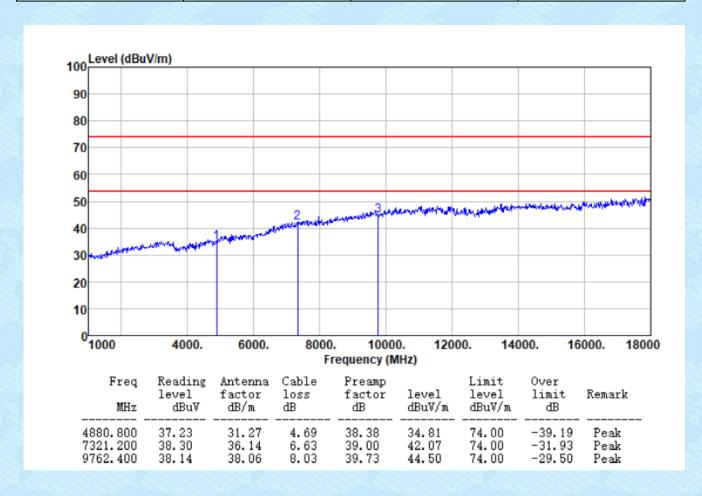


est channel:	Middle	Polarization:	Horizontal
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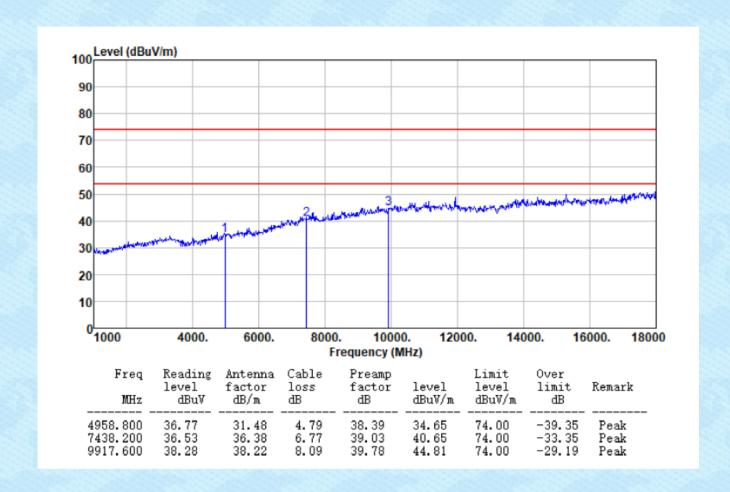


Test channel:	Middle	Polarization:	Vertical
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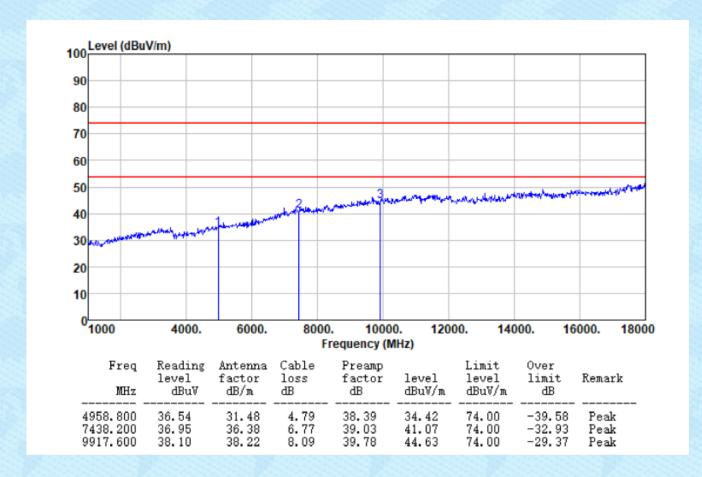


Test channel:	Highest	Polarization:	Horizontal
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Test channel:	Highest	Polarization:	Vertical
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#### Remark:

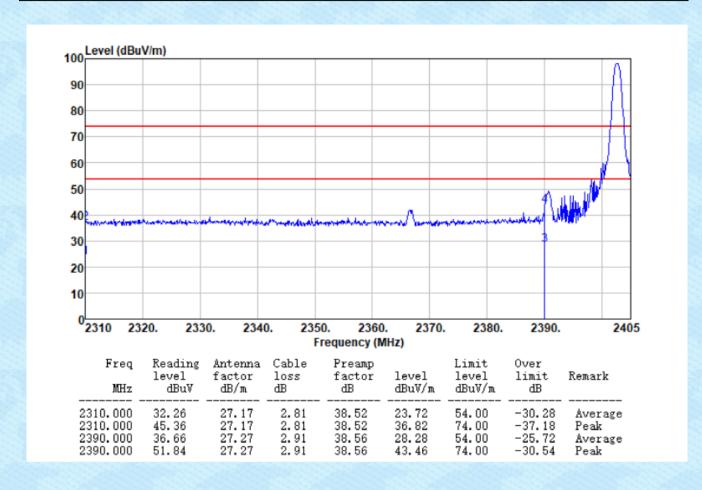
- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. "\*", means this data is the too weak instrument of signal is unable to test.
- 3. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 4. For above 18GHz, no emission found.



#### Unwanted Emissions in Restricted Frequency Bands

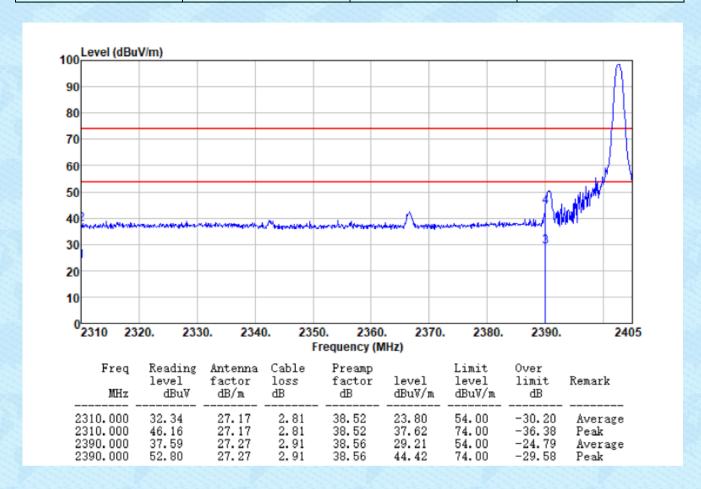
■ ANT 1

Test channel:	Lowest	Polarization:	Horizontal
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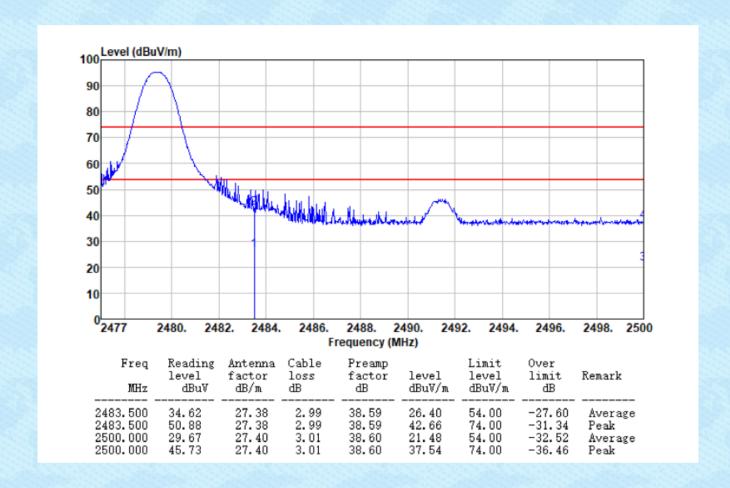


Test channel:	Lowest	Polarization:	Vertical
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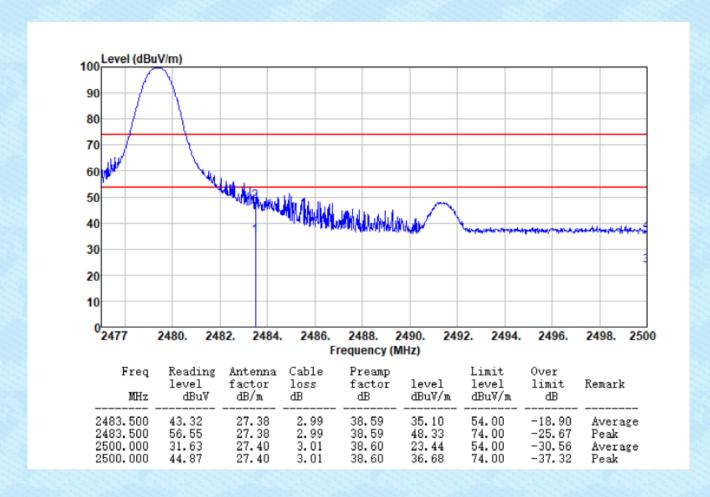


Test channel:	Highest	Polarization:	Horizontal
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Test channel:	Highest	Polarziation:	Vertical
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Lowest

Test channel:

Report No.: GTS2023050573F01

ANT 2

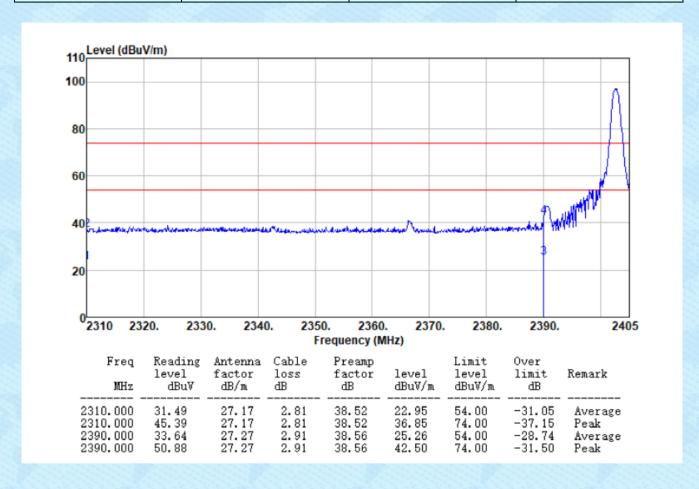
Polarization:

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80								
60								<u> </u>
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20	age by charte some or the constitution of the	ing and residence of the residence of the	paga ang ang ang ang ang ang ang ang ang	ال حد استخداد الماد المواد الم	CORPORATE AND	سيادفان سرمين مغررا وشط	April dressed 3	AND THE STATE OF T
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20	320. 233	30. 234					3	
20	Reading level dBuV	Antenna factor	ı	50. 2360			3	

Horizontal

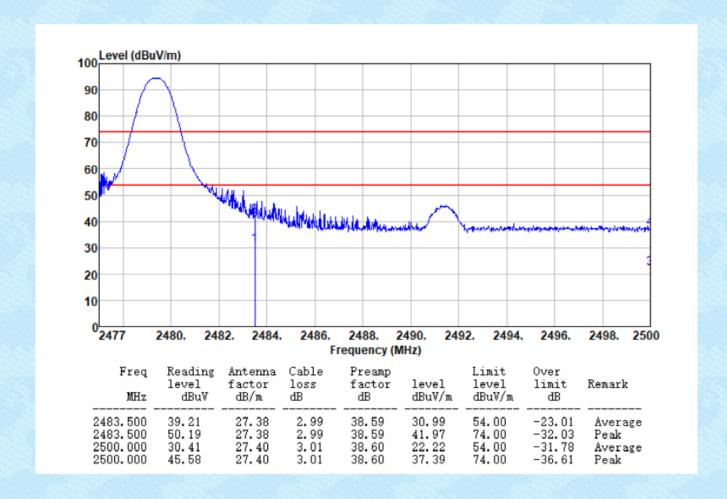


Test channel:	Lowest	Polarization:	Vertical
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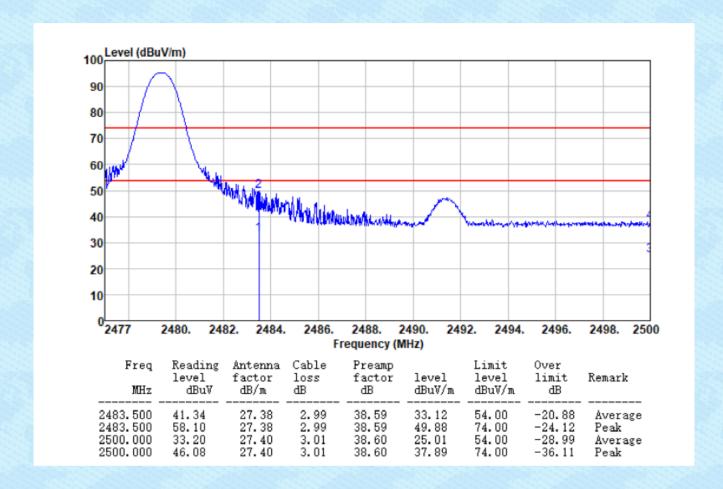


Test channel:	Highest	Polarization:	Horizontal	
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Test channel:	Highest	Polarziation:	Vertical	
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#### Remarks:

- 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.

---End---