

Global United Technology Services Co., Ltd.

Report No.: GTS202203000167F01

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: 2.4GHz 8 CHANNEL RECEIVER

Model No.: Tr8B

Trade Mark: FLYSKY

FCC ID: 2A2UNTR8B00

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

Date of sample receipt: March 10, 2022

Date of Test: March 11-29, 2022

Date of report issued: March 29, 2022

Test Result : PASS *

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

Authorized Signature:

Robinson Luo Laboratory Manager

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	March 29, 2022	Original

Prepared By:	Tranklu	Date:	March 29, 2022	
	Project Engineer			
Check By:	Johnson Lud	Date:	March 29, 2022	
	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:	2.4GHz 8 CHANNEL RECEIVER
Model No.:	Tr8B
Serial No.:	N/A
Hardware version:	Tr8B-V1.1
Software version:	Tr8B V1.0.1
Test sample(s) ID:	GTS202203000167-1
Sample(s) Status	Engineer sample
Operation Frequency:	2402.15MHz~2479.85MHz
Channel numbers:	171
Modulation method:	FHSS
Modulation technology:	GMSK
Antenna Type:	ANT 1&2: Integral Antenna
Antenna gain:	ANT 1&2: -1dBi
Power supply:	DC 3.5-9.0V

Remark: All two antennas transmitters were work in asynchronous status, MIMO mode is not supported .

The system works in the frequency range of 2402.15MHz to 2479.85MHz. This band has been divided to 171 independent channels. Each radio system uses 32 different channels; the minimum channel separation is ≥0.595MHz. 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	2402.15MHz		
The middle channel	2440.4MHz		
The Highest channel	2479.85MHz		



- Channel	Frequency eac Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2402.15	44	2421.5	87	2440.85	130	2461.4
2	2402.6	45	2421.95	88	2441.3	131	2461.85
3	2403.05	46	2422.4	89	2441.75	132	2462.3
4	2403.5	47	2422.85	90	2442.2	133	2462.75
5	2403.95	48	2423.3	91	2442.65	134	2463.2
6	2404.4	49	2423.75	92	2443.1	135	2463.65
7	2404.85	50	2424.2	93	2444.75	136	2464.1
8	2405.3	51	2424.65	94	2445.2	137	2464.55
9	2405.75	52	2425.1	95	2445.65	138	2465
10	2406.2	53	2425.55	96	2446.1	139	2465.45
11	2406.65	54	2426	97	2446.55	140	2465.9
12	2407.1	55	2426.45	98	2447	141	2466.35
13	2407.55	56	2426.9	99	2447.45	142	2466.8
14	2408	57	2427.35	100	2447.9	143	2467.25
15	2408.45	58	2427.8	101	2448.35	144	2467.7
16	2408.9	59	2428.25	102	2448.8	145	2468.15
17	2409.35	60	2428.7	103	2449.25	146	2468.6
18	2409.8	61	2429.15	104	2449.7	147	2469.05
19	2410.25	62	2429.6	105	2450.15	148	2469.5
20	2410.7	63	2430.05	106	2450.6	149	2469.95
21	2411.15	64	2430.5	107	2451.05	150	2470.4
22	2411.6	65	2430.95	108	2451.5	151	2470.85
23	2412.05	66	2431.4	109	2451.95	152	2471.3
24	2412.5	67	2431.85	110	2452.4	153	2471.75
25	2412.95	68	2432.3	111	2452.85	154	2472.2
26	2413.4	69	2432.75	112	2453.3	155	2472.65
27	2413.85	70	2433.2	113	2453.75	156	2473.1
28	2414.3	71	2433.65	114	2454.2	157	2473.55
29	2414.75	72	2434.1	115	2454.65	158	2474
30	2415.2	73	2434.55	116	2455.1	159	2474.45
31	2415.65	74	2435	117	2455.55	160	2474.9
32	2416.1	75	2435.45	118	2456	161	2475.35
33	2416.55	76	2435.9	119	2456.45	162	2475.8
34	2417	77	2436.35	120	2456.9	163	2476.25
35	2417.45	78	2436.8	121	2457.35	164	2476.7
36	2417.9	79	2437.25	122	2457.8	165	2477.15
37	2418.35	80	2437.7	123	2458.25	166	2477.6
38	2418.8	81	2438.15	124	2458.7	167	2478.05



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39	2419.25	82	2438.6	125	2459.15	168	2478.5
40	2419.7	83	2439.05	126	2459.6	169	2478.95
41	2420.15	84	2439.5	127	2460.05	170	2479.4
42	2420.6	85	2439.95	128	2460.5	171	2479.85
43	2421.05	86	2440.4	129	2460.95		



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	Manufacturer Description		Serial Number
ShenZhen FLYSKY Technology Co.,Ltd	Remote control	FT18	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.

Telephone: +86 (0) 755 2779 8480 Fax: +86 (0) 755 2779 8960



6 Test Instruments list

O	rest instruments list							
Radi	iated 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	July. 02 2020	July. 01 2025		
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	June. 24 2021	June. 23 2022		
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9163	GTS214	June. 24 2021	June. 23 2022		
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120 D	GTS208	June. 24 2021	June. 23 2022		
6	Horn Antenna	ETS-LINDGREN	3160	GTS217	June. 24 2021	June. 23 2022		
7	EMI Test Software	AUDIX	E3	N/A	N/A	N/A		
8	Coaxial Cable	GTS	N/A	GTS213	June. 24 2021	June. 23 2022		
9	Coaxial Cable	GTS	N/A	GTS211	June. 24 2021	June. 23 2022		
10	Coaxial cable	GTS	N/A	GTS210	June. 24 2021	June. 23 2022		
11	Coaxial Cable	GTS	N/A	GTS212	June. 24 2021	June. 23 2022		
12	Amplifier(100kHz-3GHz)	HP	8347A	GTS204	June. 24 2021	June. 23 2022		
13	Amplifier(2GHz-20GHz)	HP	84722A	GTS206	June. 24 2021	June. 23 2022		
14	Amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	June. 24 2021	June. 23 2022		
15	Band filter	Amindeon	82346	GTS219	June. 24 2021	June. 23 2022		
16	Power Meter	Anritsu	ML2495A	GTS540	June. 24 2021	June. 23 2022		
17	Power Sensor	Anritsu	MA2411B	GTS541	June. 24 2021	June. 23 2022		
18	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	GTS575	June. 24 2021	June. 23 2022		
19	Splitter	Agilent	11636B	GTS237	June. 24 2021	June. 23 2022		
20	Loop Antenna	ZHINAN	ZN30900A	GTS534	June. 24 2021	June. 23 2022		
21	Breitband hornantenne	SCHWARZBECK	BBHA 9170	GTS579	Oct. 17 2021	Oct. 16 2022		
22	Amplifier	TDK	PA-02-02	GTS574	Oct. 17 2021	Oct. 16 2022		
23	Amplifier	TDK	PA-02-03	GTS576	Oct. 17 2021	Oct. 16 2022		
24	PSA Series Spectrum Analyzer	Rohde & Schwarz	FSP	GTS578	June. 24 2021	June. 23 2022		



Con	Conducted 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	May.15 2019	May.14 2022				
2	EMI Test Receiver	R&S	ESCI 7	GTS552	June. 24 2021	June. 23 2022				
3	Coaxial Switch	ANRITSU CORP	MP59B	GTS225	June. 24 2021	June. 23 2022				
4	ENV216 2-L-V- NETZNACHB.DE	ROHDE&SCHWARZ	ENV216	GTS226	June. 24 2021	June. 23 2022				
5	Coaxial Cable	GTS	N/A	GTS227	N/A	N/A				
6	EMI Test Software	AUDIX	E3	N/A	N/A	N/A				
7	Thermo meter	KTJ	TA328	GTS233	June. 24 2021	June. 23 2022				
8	Absorbing clamp	Elektronik- Feinmechanik	MDS21	GTS229	June. 24 2021	June. 23 2022				
9	ISN	SCHWARZBECK	NTFM 8158	GTS565	June. 24 2021	June. 23 2022				
10	High voltage probe	SCHWARZBECK	TK9420	GTS537	July. 09 2021	July. 08 2022				

RF C	onducted 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	June. 24 2021	June. 23 2022
2	EMI Test Receiver	R&S	ESCI 7	GTS552	June. 24 2021	June. 23 2022
3	Spectrum Analyzer	Agilent	E4440A	GTS533	June. 24 2021	June. 23 2022
4	MXG vector Signal Generator	Agilent	N5182A	GTS567	June. 24 2021	June. 23 2022
5	ESG Analog Signal Generator	Agilent	E4428C	GTS568	June. 24 2021	June. 23 2022
6	USB RF Power Sensor	DARE	RPR3006W	GTS569	June. 24 2021	June. 23 2022
7	RF Switch Box	Shongyi	RFSW3003328	GTS571	June. 24 2021	June. 23 2022
8	Programmable Constant Temp & Humi Test Chamber	WEWON	WHTH-150L-40-880	GTS572	June. 24 2021	June. 23 2022

Gene	ral used equipment:					
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)
1	Humidity/ Temperature Indicator	KTJ	TA328	GTS243	June. 24 2021	June. 23 2022
2	Barometer	ChangChun	DYM3	GTS255	June. 24 2021	June. 23 2022



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 integral antenna, the best case gain of the antenna is -1dBi, reference to the appendix II for details.



7.2 Conducted Emissions

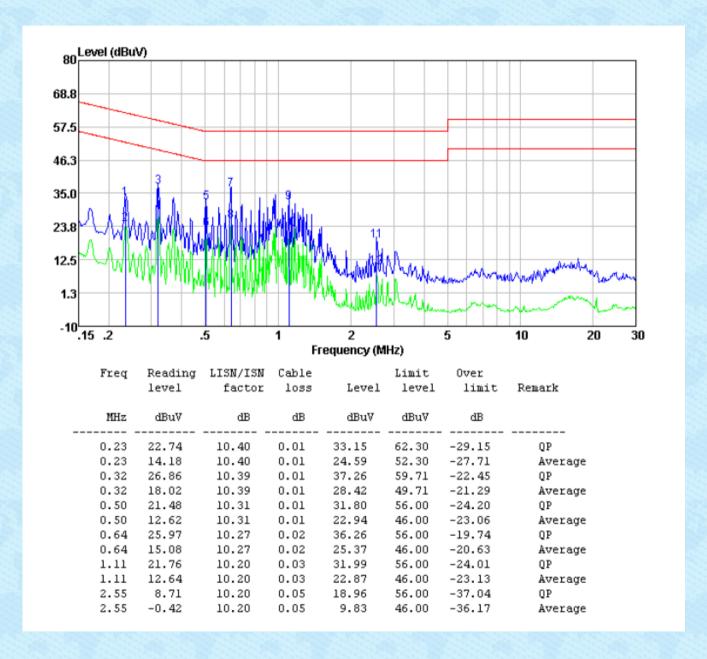
7.2 Oondacted Emissions						
Test Requirement:	FCC Part15	C Section 1	5.207			
Test Method:	ANSI C63.10:2013					
Test Frequency Range:	150KHz to	30MHz				
Class / Severity:	Class B					
Receiver setup:	RBW=9KHz	z, VBW=30KI	Hz, Sweep t	ime=auto		
Limit:				Limit	(dBuV)	
	Frequen	cy range (MH	lz)	uasi-peak	Avei	rage
	(0.15-0.5		66 to 56*	56 to	46*
		0.5-5		56	4	6
		5-30		60	5	0
	* Decreases	s with the log	arithm of the	e frequency.		
Test setup:		Reference	Plane			
	Remark: E.U.T: Equipment LISN: Line Impede Test table height=	/Insulation plane *Under Test ence Stabilization Ne 0.8m	EMI Receiv			
Test procedure:	line impe 50ohm/5 2. The perip LISN thaterminati photogra 3. Both side interferent positions	edance stabilication of the coupling other and device the provides as son. (Please raphs). The coupling of th	zation network impedance is are also controlled the	nnected to the ork (L.I.S.N.). It for the meast onnected to the discoupling impolected diagram and the interface conconducted in the order of the conducted in the order of th	This provides uring equipment main power edance with of the test seem conducted asion, the related to the sables must be supported.	er through a 500hm tup and
Test Instruments:	Refer to sec	ction 6.0 for c	letails			
Test mode:	Refer to sec	ction 5.2 for c	letails			
Test environment:	Temp.:	25 °C	Humid.:	52%	Press.:	1012mbar
Test results:	Pass					



Measurement data

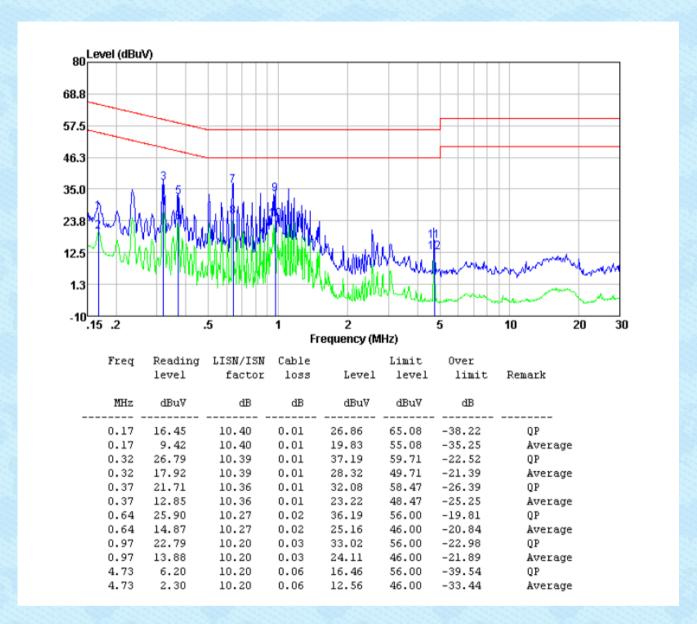
Pre-scan all test modes, found worst case at 2440.4MHz@ Ant 1, and so only show the test result of 2440.4MHz@ Ant 1

Line:





Neutral:

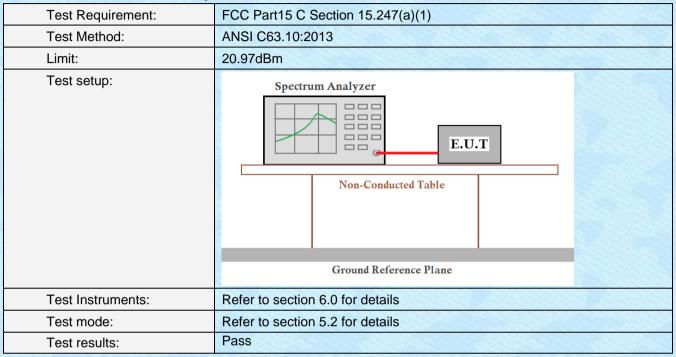


Notes:

- 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.



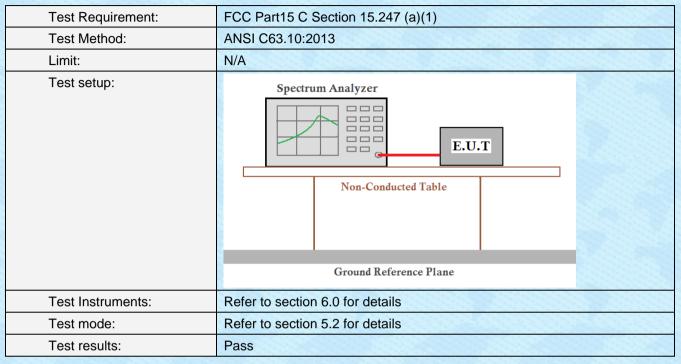
7.3 Conducted Peak Output Power



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



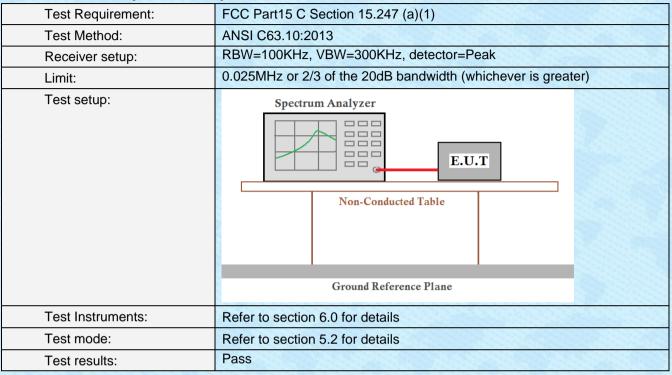
7.4 20dB Emission Bandwidth



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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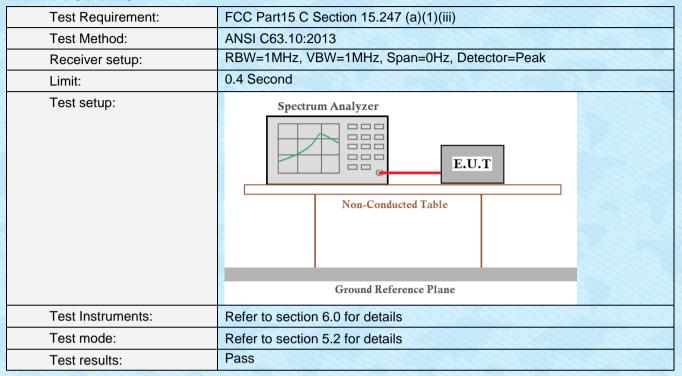
7.6 Hopping Channel Number

Test Requirement:	FCC Part15 C Section 15.247 (a)(1)(iii)
Test Method:	ANSI C63.10:2013
Receiver setup:	RBW=100kHz, 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

Test Requirement:	7.8.2 Radiated Emission Met	tnoa					
Test site: Measurement Distance: 3m	Test Requirement:	FCC Part15 C Section	on 15.209 a	nd 15.205			
Test site: Measurement Distance: 3m	Test Method:	ANSI C63.10:2013					
Frequency	Test Frequency Range:	9kHz to 25GHz					
SKHz-150KHz Quasi-peak 200Hz 600Hz Quasi-peak 150KHz-30MHz Quasi-peak 9KHz 30KHz Quasi-peak 30MHz-1GHz Quasi-peak 120KHz 300KHz Quasi-peak Peak 1MHz 3MHz Peak Peak 1MHz 10Hz Average November Average November Quasi-peak Peak 1MHz 10Hz Average November Quasi-peak Peak 1MHz 10Hz Average November Quasi-peak Peak 1MHz 10Hz Average November Quasi-peak November Quasi-peak November Quasi-peak 10Hz Quasi-peak Quasi-peak Quasi-peak 10Hz Quasi-peak Quasi-peak November Quasi-peak	Test site:	Measurement Distar	nce: 3m				
150KHz-30MHz	Receiver setup:	Frequency	Detecto	RB	W	VBW	Value
30MHz-1GHz		9KHz-150KHz	Quasi-pe	ak 200	Hz	600Hz	z Quasi-peak
Above 1GHz		150KHz-30MHz	Quasi-pe	ak 9KI	Hz	30KHz	z Quasi-peak
Above 1GHz		30MHz-1GHz	Quasi-pe	ak 120k	KHz	300KH	Iz Quasi-peak
Peak		Above 1GHz	Peak	1M	Hz	3MHz	Peak
(Spurious Emissions) Prequency		710070 10112	Peak	1M	Hz	10Hz	Average
0.009MHz-0.490MHz		Frequency	Limi	t (uV/m)	Va	alue	
1.705MHz-30MHz 30 QP 30m 30MHz-88MHz 100 QP 88MHz-216MHz 150 QP 216MHz-960MHz 200 QP 960MHz-1GHz 500 QP Above 1GHz 500 Average 5000 Peak Test setup: Below 30MHz Test Antenna Turn Table Tu		0.009MHz-0.490M	Hz 2400	/F(KHz)	(QΡ	300m
30MHz-88MHz 100 QP 88MHz-216MHz 150 QP 216MHz-960MHz 200 QP 960MHz-1GHz 500 QP Above 1GHz 500 Average 5000 Peak Test setup: Below 30MHz Tum Table		0.490MHz-1.705M	Hz 2400	O/F(KHz)	(QP	300m
## Receivers ## Rec		1.705MHz-30MH	lz	30	(QP	30m
216MHz-960MHz 200 QP 960MHz-1GHz 500 QP Above 1GHz 500 Average 5000 Peak Test setup: Below 30MHz Test Antenna Tum Table Receiver		30MHz-88MHz		100	(QP	
960MHz-1GHz 500 QP Above 1GHz 500 Average 5000 Peak Test setup: Below 30MHz Tum Table EUT- Tum Table Im Receiver-				150			
Above 1GHz 500 QP Above 1GHz 500 Average 5000 Peak Test setup: Below 30MHz Turn Table EUT Receiver							3m
Test setup: Below 30MHz Tum Table Tum Table Receiver Rec		960MHz-1GHz					
Test setup: Below 30MHz Compared to the content of the conten		Above 1GHz					
Tum Table Tum Table Im Receiver				5000	Р	eak	
Turn Table EUT Im Receiver	Test setup:	Below 30MHz					
		- 80cm >-		Test Antenna	× ·		



Report No.: GTS202203000167F01 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.: GTS202203000167F01
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

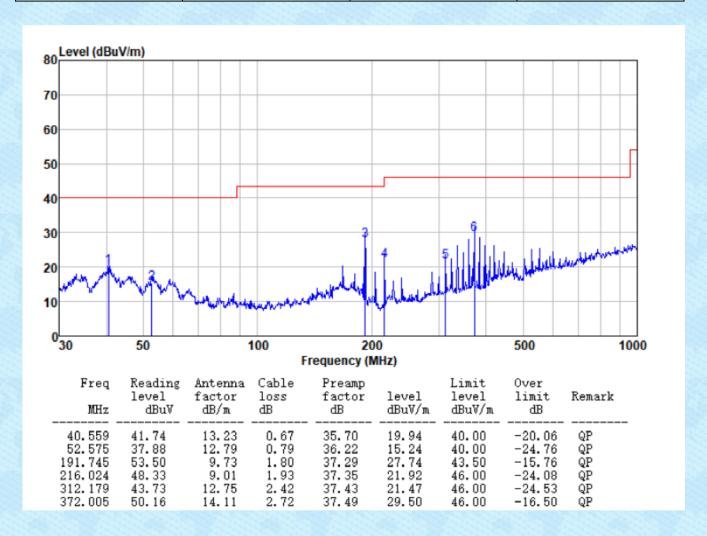
The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.



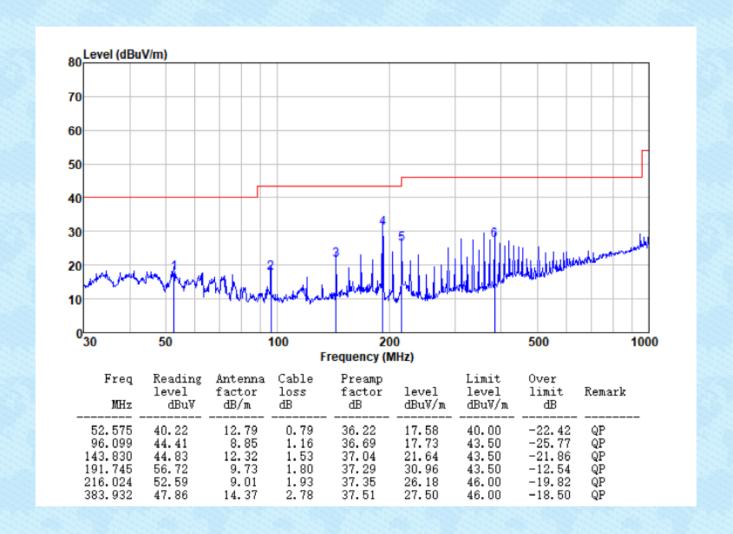
All antennas have test, only the worst case ANT 1 report.

■ 30MHz ~ 1GHz

Test channel:	Lowest	Polarization:	Horizontal
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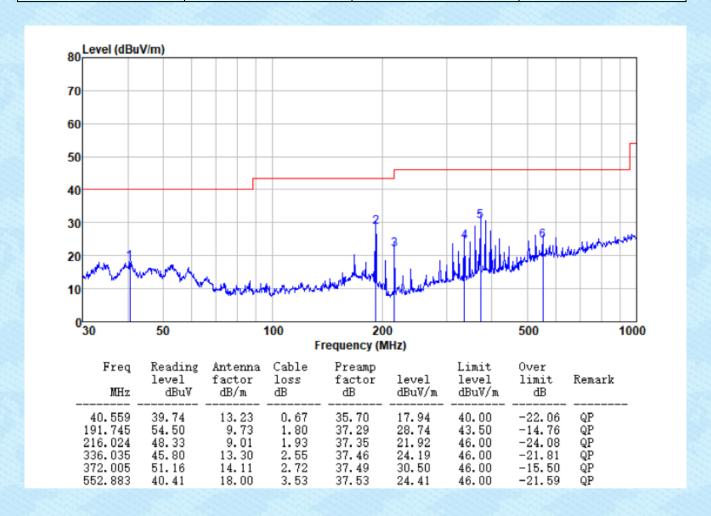






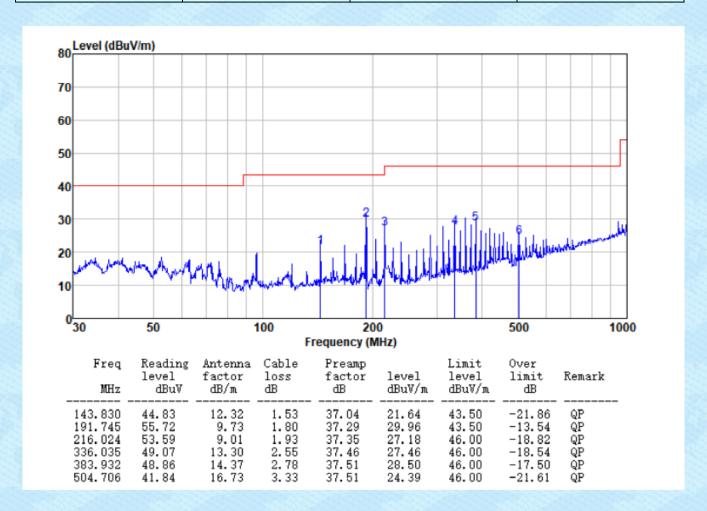


Middle Polarization: Horizontal	
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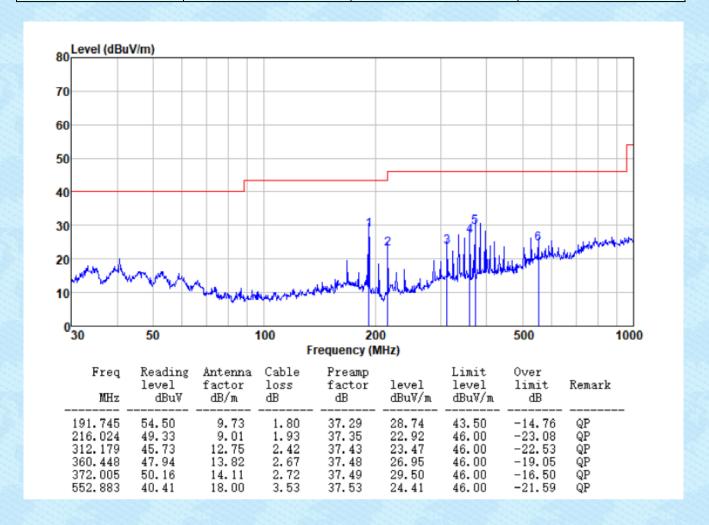


Test channel:	Middle	Polarization:	Vertical
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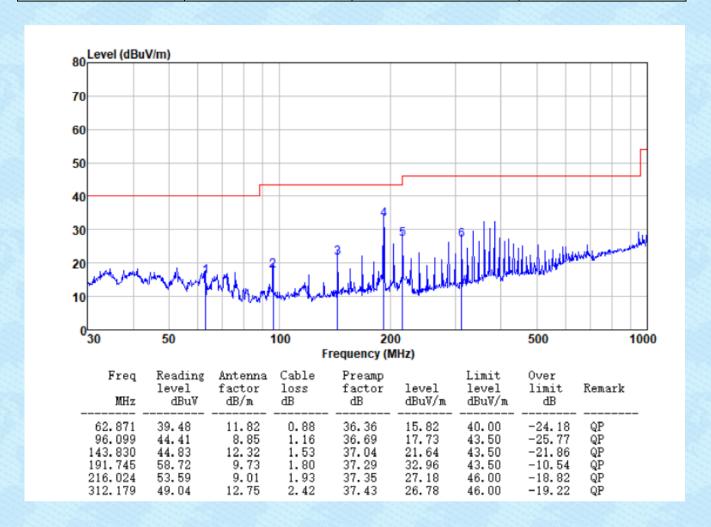


Test channel: Highest Polarization: Horizontal
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	Test channel:	Highest	Polarization:	Vertical	
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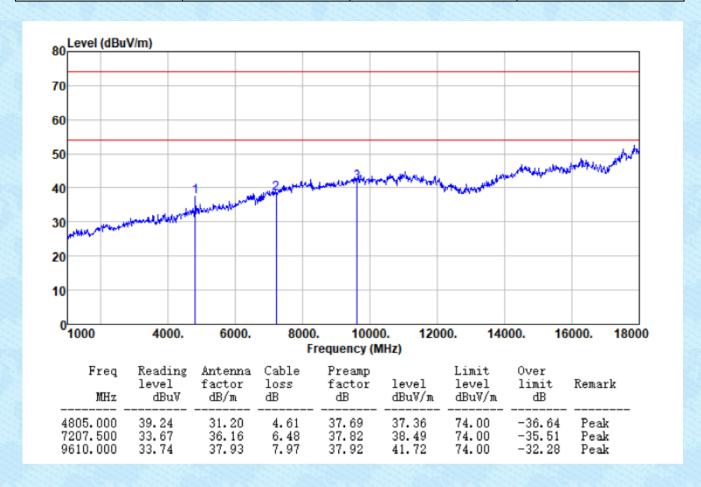




Unwanted Emissions in Restricted Frequency Bands

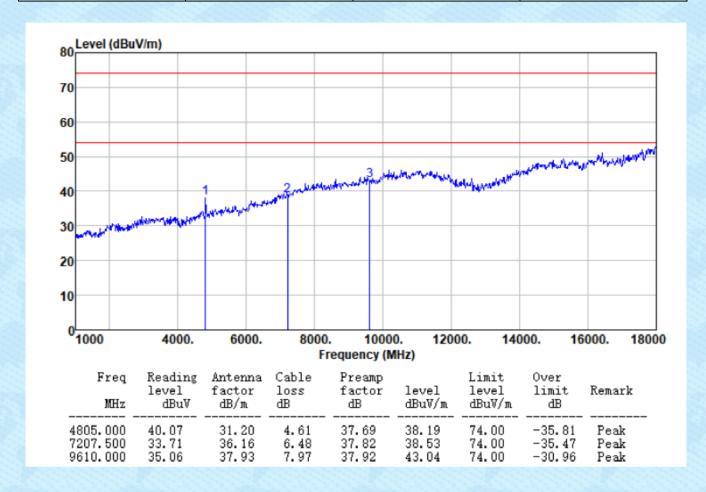
■ Above 1GHz

Test channel:	Lowest	Polarization:	Horizontal
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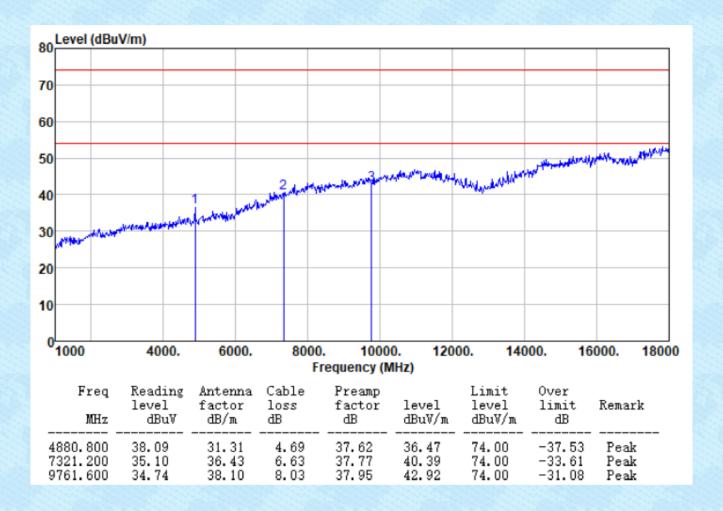


Test channel:	Lowest	Polarization:	Vertical
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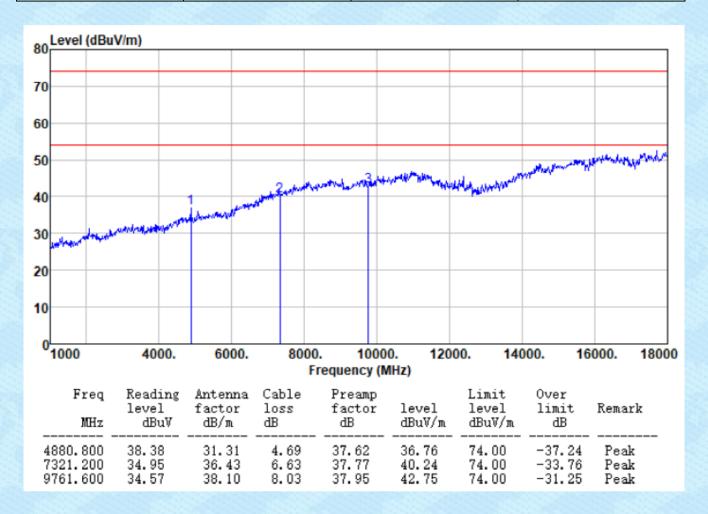


Test channel: Middle Polarization: Horizontal	
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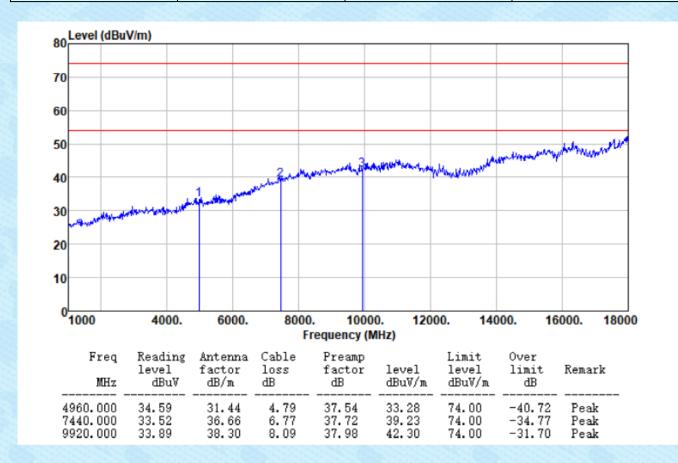


Test channel:	Middle	Polarization:	Vertical
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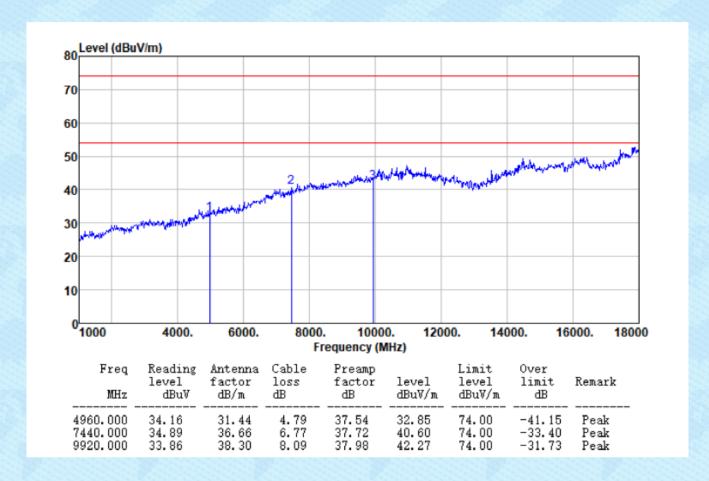


Test channel:	Highest	Polarization:	Horizontal
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Test channel:	Highest	Polarization:	Vertical
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Remark:

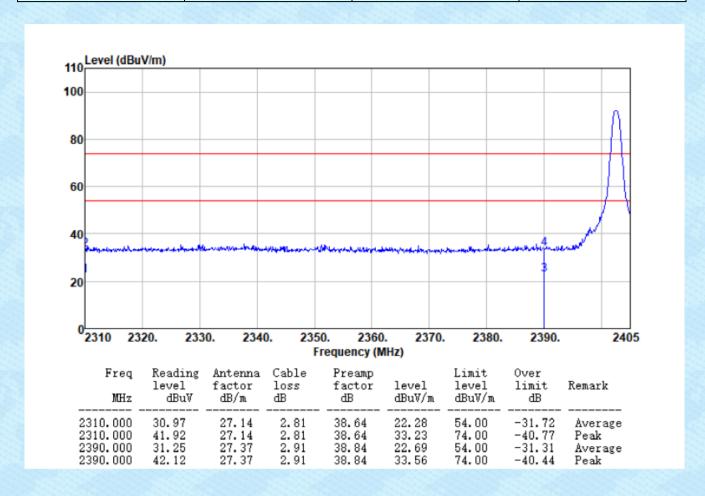
- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. "*", means this data is the too weak instrument of signal is unable to test.
- 3. The emission levels of other frequencies are very lower than the limit and not show in test report.
- 4. For above 18GHz, no emission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



Unwanted Emissions in Non-restricted Frequency Bands

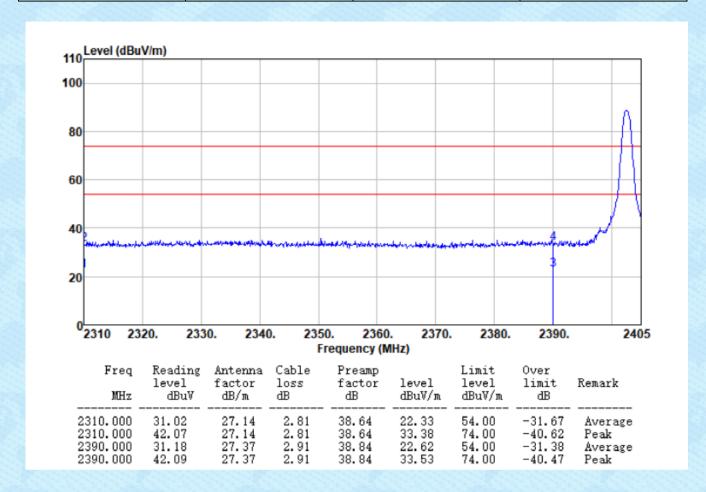
ANT 1:

Test channel:	Lowest	Polarization:	Horizontal
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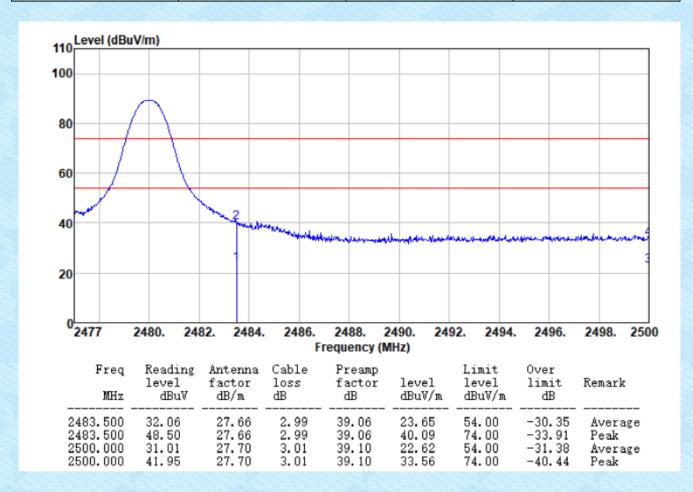


Test channel:	Lowest	Polarization:	Vertical
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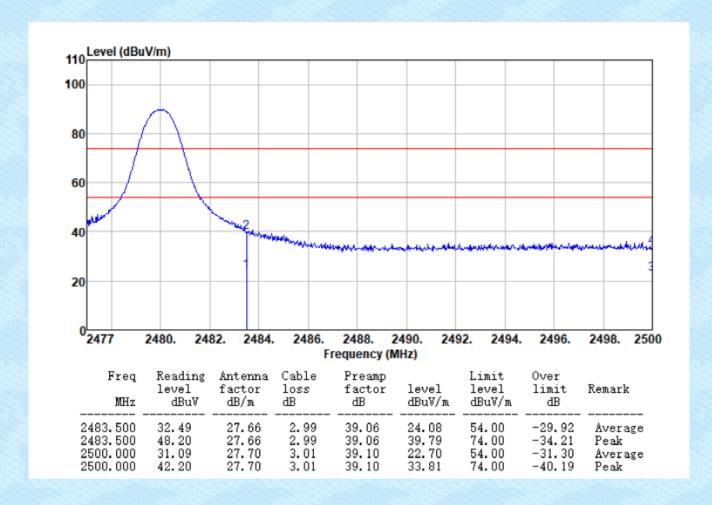


Test channel:	Highest	Polarization:	Horizontal
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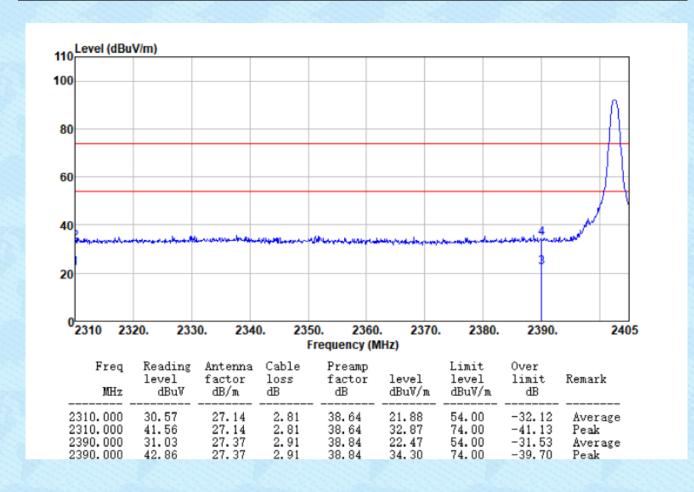
Test channel:	Highest	Polarziation:	Vertical
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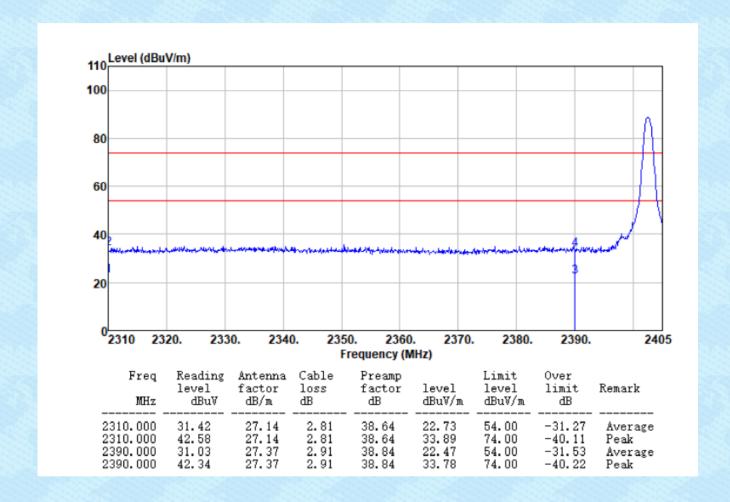
ANT 2:

Test channel: Lowe	est F	Polarization:	Horizontal
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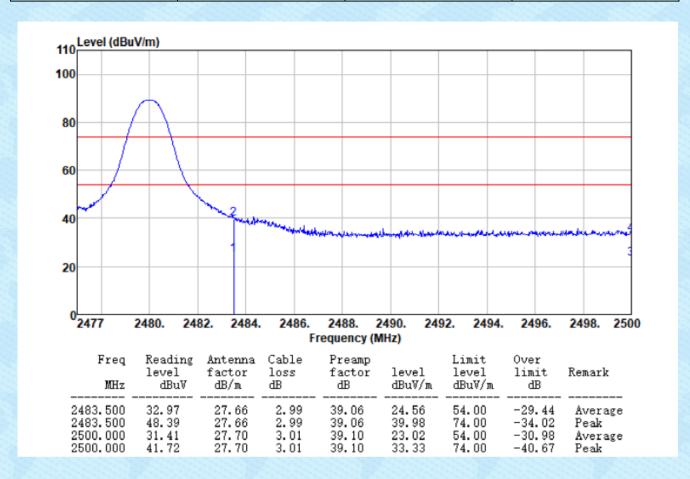


	Test channel:	Lowest	Polarization:	Vertical	
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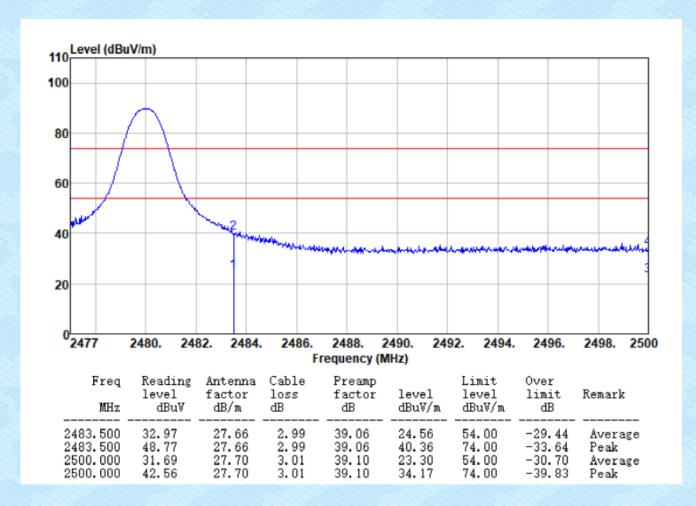


Test channel:	Highest	Polarization:	Horizontal
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Test channel:	Highest	Polarziation:	Vertical
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Remarks:

- 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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