GTS Global United Technology Services Co., Ltd.

Report No.: GTS202107000170F01

TEST REPORT

Applicant:	FLYSKY RC MODEL TECHNOLOGY CO., LTD
Address of Applicant: Manufacturer:	West building3, Huangjianyuan Ind, Park QIAOLI North Gate Changping Town, Dongguan, China ShenZhen FLYSKY Technology Co.,Ltd
Address of Manufacturer: Factory:	ADD 16F, Huafeng Building, No. 6006 Shennan Road, Futian District, Shenzhen, Guangdong, China 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 (E	EUT)
Product Name:	2.4GHz 4 CHANNEL RECEIVER
Model No.:	FS-R4A1
Trade Mark:	FLYSKY
FCC ID:	N4ZR4A10
Applicable standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.247
Date of sample receipt:	July 19, 2021
Date of Test:	July 19-22, 2021
Date of report issued:	July 22, 2021
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. Page 1 of 39

2 Version

Version No.	Date	Description		
00	July 22, 2021	Original		
6				
8 6 6 8	6 6 6 8	6 6 6 6		

Prepared By:

Insmillu

Date:

Date:

July 22, 2021

Project Engineer

otrinson (un)

July 22, 2021

Check By:

Reviewer

Report No.: GTS202107000170F01

3 Contents

1	COVER PAGE	1
2	2 VERSION	2
3	CONTENTS	3
4	TEST SUMMARY	4
	4.1 MEASUREMENT UNCERTAINTY	4
5	GENERAL INFORMATION	5
	5.1 GENERAL DESCRIPTION OF EUT	
6	5 TEST INSTRUMENTS LIST	8
7	7 TEST RESULTS AND MEASUREMENT DATA	10
	7.1 ANTENNA REQUIREMENT	
8		
9	EUT CONSTRUCTIONAL DETAILS	39

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)	Pass
Dwell Time	15.247 (a)(1)	Pass
Pseudorandom Frequency Hopping Sequence	15.247(b)(4)	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	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 uncertainty is for coverage factor of k=2 and a level of confidence of 95%.

5 General Information

5.1 General Description of EUT

Product Name:	2.4GHz 4 CHANNEL RECEIVER
Model No.:	FS-R4A1
Serial No.:	N/A
Hardware version:	FS-R4A1-BS-V1.5
Software version:	FS-R4A1-BS V1.0.1
Test sample(s) ID:	GTS202107000170-1
Sample(s) Status	Engineer sample
Operation Frequency:	2406MHz~2472MHz
Channel numbers:	133
Modulation technology:	GFSK
Antenna Type:	Integral Antenna
Antenna gain:	1dBi
Power supply:	DC 3.5~8.4V

Remark: The system works in the frequency range of 2406MHz to 2472MHz. This band has been divided to 133 independent channels. Each radio system uses 20 different channels; the minimum channel separation is ≥3.05MHz. By using various switch-on times, hopping scheme and channel frequencies, the system can guarantee a jamming free radio transmission. The channel list is below.

The test frequencies are below:

0	Channel	Frequency
0	The lowest channel	2406MHz
0	The middle channel	2440MHz
2	The Highest channel	2472MHz

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2406.0	38	2424.5	75	2443.0	112	2461.5
2	2406.5	39	2425.0	76	2443.5	113	2462.0
3	2407.0	40	2425.5	77	2444.0	114	2462.5
4	2407.5	41	2426.0	78	2444.5	115	2463.0
5	2408.0	42	2426.5	79	2445.0	116	2463.5
6	2408.5	43	2427.0	80	2445.5	117	2464.0
7	2409.0	44	2427.5	81	2446.0	118	2464.5
8	2409.5	45	2428.0	82	2446.5	119	2465.0
9	2410.0	46	2428.5	83	2447.0	120	2465.5
10	2410.5	47	2429.0	84	2447.5	121	2466.0
11	2411.0	48	2429.5	85	2448.0	122	2466.5
12	2411.5	49	2430.0	86	2448.5	123	2467.0
13	2412.0	50	2430.5	87	2449.0	124	2467.5
14	2412.5	51	2431.0	88	2449.5	125	2468.0
15	2413.0	52	2431.5	89	2450.0	126	2468.5
16	2413.5	53	2432.0	90	2450.5	127	2469.0
17	2414.0	54	2432.5	91	2451.0	128	2469.5
18	2414.5	55	2433.0	92	2451.5	129	2470.0
19	2415.0	56	2433.5	93	2452.0	130	2470.5
20	2415.5	57	2434.0	94	2452.5	131	2471.0
21	2416.0	58	2434.5	95	2453.0	132	2471.5
22	2416.5	59	2435.0	96	2453.5	133	2472.0
23	2417.0	60	2435.5	97	2454.0	6	
24	2417.5	61	2436.0	98	2454.5	6	\$
25	2418.0	62	2436.5	99	2455.0	6	e e
26	2418.5	63	2437.0	100	2455.5	2 8	8
27	2419.0	64	2437.5	101	2456.0		2 2
28	2419.5	65	2438.0	102	2456.5	9 19	10
29	2420.0	66	2438.5	103	2457.0	9	8
30	2420.5	67	2439.0	104	2457.5	8	0
31	2421.0	68	2439.5	105	2458.0	8	5
32	2421.5	69	2440.0	106	2458.5	le la	2 8
33	2422.0	70	2440.5	107	2459.0	2 0	0
34	2422.5	71	2441.0	108	2459.5		0 0
35	2423.0	72	2441.5	109	2460.0		
36	2423.5	73	2442.0	110	2460.5	6	
37	2424.0	74	2442.5	111	2461.0		8

Global United Technology Services Co., Ltd. No. 123-128, Tower A, Jinyuan Business Building, No.2, Laodong Industrial Zone, Xixiang Road, Baoan District, Shenzhen, Guangdong, China 518102 Telephone: +86 (0) 755 2779 8480 Fax: +86 (0) 755 2779 8960

5.2 Test mode Transmitting mode Keep the EUT in transmitting mode. Remark: During the test, the test voltage was tuned from 85% to 115% of the nominal rated supply voltage, and found that the worst case was under the nominal rated supply condition. 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 d escribed in a report filed with the (FCC) Federal Communications Commission. The acceptance letter fro m the FCC is maintained in files. • IC — Registration No.: 9079A CAB identifier: CN0091 The 3m Semianechoic chamber of Global United Technology Services Co., Ltd. has been registered by Certification a nd 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 Accredit ation 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

Fax: 0755-27798960 5.5 Description of Support Units

ele Becchiptien el cappe					
Manufacturer	lanufacturer Description		Serial Number		
ShenZhen FLYSKY Technology Co.,Ltd	Remote control	N/A	N/A		
MEILI	DC POWER SUPPLY	MCH-305A	011121168		

5.6 Deviation from Standards

Tel: 0755-27798480

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.

6 Test Instruments list

Rad	iated Emission:	8 - B - B -	1 B B	- 6	a de la compañía de l	8 8
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	Breithand		BBHA 9170	GTS579	Oct. 18 2020	Oct. 17 2021
22	Amplifier	TDK	PA-02-02	GTS574	Oct. 18 2020	Oct. 17 2021
23	Amplifier	TDK	PA-02-03	GTS576	Oct. 18 2020	Oct. 17 2021
24	PSA Series Spectrum Analyzer	Rohde & Schwarz	FSP	GTS578	June. 24 2021	June. 23 2022

Con	ducted Emission	Conducted Emission							
ltem	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. 10 2020	July. 09 2021			

RF Conducted Test:							
ltem	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	

General 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	КТЈ	TA328	GTS243	June. 24 2021	June. 23 2022
2	Barometer	ChangChun	DYM3	GTS255	June. 24 2021	June. 23 2022

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7 Test results and Measurement Data

7.1 Antenna requirement

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

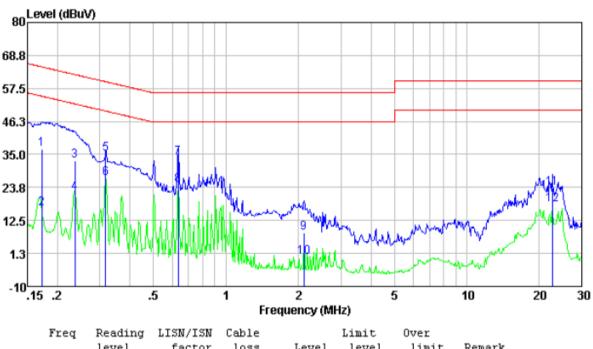
Test Requirement:	FCC Part15 C Section 15.207	6	6					
Test Method:	ANSI C63.10:2013							
Test Frequency Range:	150KHz to 30MHz							
Class / Severity:	Class B							
Receiver setup:	RBW=9KHz, VBW=30KHz, Sv	RBW=9KHz, VBW=30KHz, Sweep time=auto						
Limit:	p p p	Lim	Limit (dBuV)					
	Frequency range (MHz)	Quasi-peak		rage				
	0.15-0.5	66 to 56*	56 te	o 46*				
	0.5-5	56	4	6				
	5-30	60	5	50				
	* Decreases with the logarithm	n of the frequency.	9 2	0				
Test setup:	Reference Plane		10 m	6 6 C				
	Remark: E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m	EMI Receiver						
Test procedure:	 The E.U.T and simulators are connected to the main power thr line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment The peripheral devices are also connected to the main power to LISN that provides a 50ohm/50uH coupling impedance with 50 termination. (Please refer to the block diagram of the test setup photographs). 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 a according to ANSI C63.10:2009 on conducted measurement. 							
Test Instruments:	Refer to section 6.0 for details		6					
Test mode:	Refer to section 5.2 for details	6 6	6	8				
Test environment:	Temp.: 25 °C Hun	nid.: 52%	Press.:	1012mbar				
Test voltage:	AC 120V, 60Hz							
Test results:	Pass		and the second second					

Remark: Both high and low voltages have been tested to show only the worst low voltage test data.

Report No.: GTS202107000170F01

Measurement data

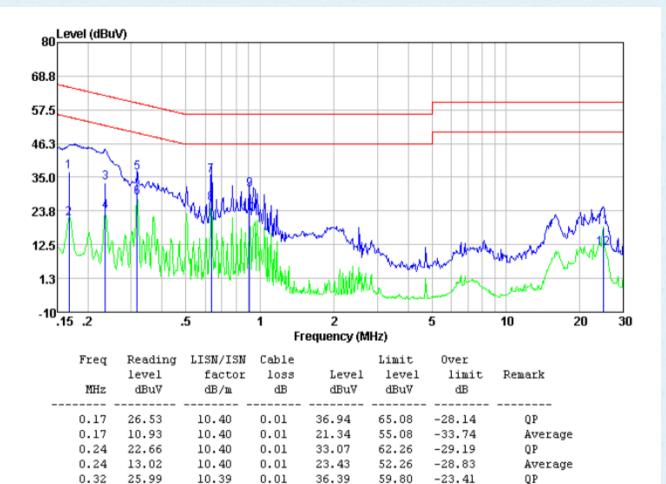
Line:



Freq	Reading	LISN/ISN	Cable		Limit	Uver	
	level	factor	loss	Level	level	limit	Remark
MHz	dBuV	dB/m	dB	dBu∛	dBuV	dB	
0.17	26.34	10.40	0.01	36.75	64.86	-28.11	QP
0.17	6.09	10.40	0.01	16.50	54.86	-38.36	Average
0.24	22.45	10.40	0.01	32.86	62.22	-29.36	QP
0.24	11.60	10.40	0.01	22.01	52.22	-30.21	Average
0.32	24.61	10.39	0.01	35.01	59.80	-24.79	QP
0.32	16.62	10.39	0.01	27.02	49.80	-22.78	Average
0.63	23.69	10.28	0.02	33.99	56.00	-22.01	QP
0.63	14.26	10.28	0.02	24.56	46.00	-21.44	Average
2.11	-2.08	10.20	0.05	8.17	56.00	-47.83	QP
2.11	-10.14	10.20	0.05	0.11	46.00	-45.89	Average
22.66	13.10	10.33	0.19	23.62	60.00	-36.38	QP
22.66	7.30	10.33	0.19	17.82	50.00	-32.18	Average

Report No.: GTS202107000170F01

Neutral:



Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.

0.01

0.02

0.02

0.03

0.03

0.20

0.20

2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.

28.17

35.60

26.36

30.78

22.46

18.13

11.21

49.80

56.00

46.00

56.00

46.00

60.00

50.00

-21.63

-20.40

-19.64

-25.22

-23.54

-41.87

-38.79

3. Final Level =Receiver Read level + LISN Factor + Cable Loss

10.39

10.28

10.28

10.22

10.22

10.35

10.35

17.77

25.30

16.06

20.53

12.21

7.58

0.66

0.32

0.63

0.63

0.91

0.91

24.79

24.79

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.

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Average

Average

Average

QP

QP

OP

Test Requirement:	FCC Part15 C Section 15.247 (b)(1)					
Test Method:	ANSI C63.10:2013					
Limit:	20.97dBm					
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					

7.3 Conducted Peak Output Power

Test Requirement:	FCC Part15 C Section 15.247 (a)(1)				
Test Method:	ANSI C63.10:2013				
Limit:	N/A				
Test setup:	Spectrum Analyzer E.U.T Non-Conducted Table Ground Reference Plane				
Test Instruments:	Refer to section 6.0 for details Refer to section 5.2 for details				
Test mode:					
Test results:	Pass				

7.4 20dB Emission Bandwidth

Test Requirement:	FCC Part15 C Section 15.247 (a)(1)					
Test Method:	ANSI C63.10:2013					
Receiver setup:	RBW=100KHz, VBW=300KHz, detector=Peak					
Limit:	0.025MHz or 2/3 of the 20dB bandwidth (whichever is greater)					
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					

7.5 Carrier Frequencies Separation

Test Requirement:	FCC Part15 C Section 15.247 (a)(1)
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

7.6 Hopping Channel Number

7.7 Dwell Time

Test Requirement:	FCC Part15 C Section 15.247 (a)(1)
Test Method:	ANSI C63.10:2013
Receiver setup:	RBW=1MHz, VBW=1MHz, Span=0Hz, Detector=Peak
Limit:	0.4 Second
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

7.8 Spurious Emission in Non-restricted & restricted Bands

7.8.1 Conducted Emission Method

GTS

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				

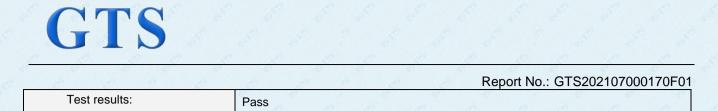
7.8.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section 15.209								
Test Method:	ANSI C63.10:2013 : 9kHz to 25GHz				E E				
Test Frequency Range:					2	Ser and	6		
Test site:	Measurement Distar	nce: 3	3m	S.	all a	8		8 8	
Receiver setup:	Frequency]	Detector	RBV	N	VBW	-	Value	
	9KHz-150KHz	Qu	uasi-peak	200	Ηz	600Hz	z	Quasi-peak	
	150KHz-30MHz	Qu	uasi-peak	9KHz		30KHz		Quasi-peak	
	30MHz-1GHz	Qu	uasi-peak	120K	Hz	300KH	lz	Quasi-peak	
	Above 1GHz		Peak	1M⊦	lz	3MHz	z	Peak	
	Above IGHZ	6	Peak	1MH	Ιz	10Hz	-	Average	
Limit: (Spurious Emissions)	Frequency	2°	Limit (u∖	//m)	Va	alue	N	leasurement Distance	
	0.009MHz-0.490M	IHz	2400/F(k	(Hz)	C	QΡ	300m		
	0.490MHz-1.705M	0.490MHz-1.705MHz		KHz)		کې P	300m		
	1.705MHz-30MH	1.705MHz-30MHz		30		QP		30m	
	30MHz-88MHz		100		C	QP		8 8	
	88MHz-216MHz	88MHz-216MHz			C	QΡ	- 3m		
	216MHz-960MHz		200	0	C	QΡ			
	960MHz-1GHz		500		C	QP		JIII	
	Above 1GHz			500		Average			
	Above TGHZ	Ŝ.	5000		Peak			8 8	
Test setup:	Below 30MHz								
	Below 1GHz								

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GTS				
	Report No.: GTS202107000170F01			
	$= \frac{\langle 3m \rangle}{\downarrow}$ $= $			
	Above 1GHz			
	<pre></pre>			
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 tower.			
	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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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.

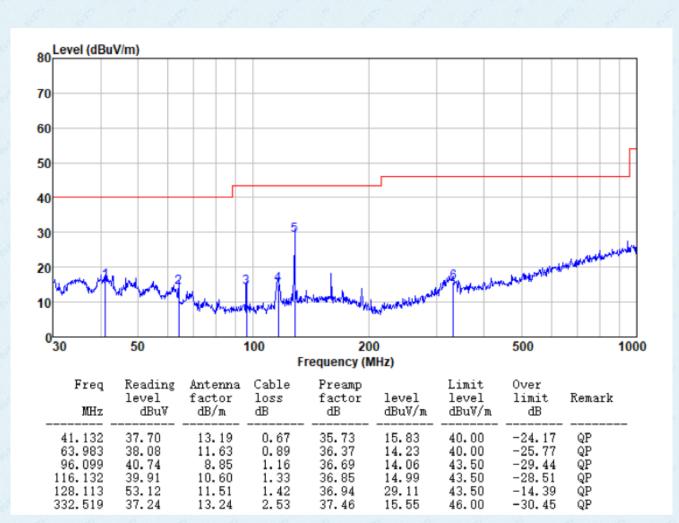
Measurement data:

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.

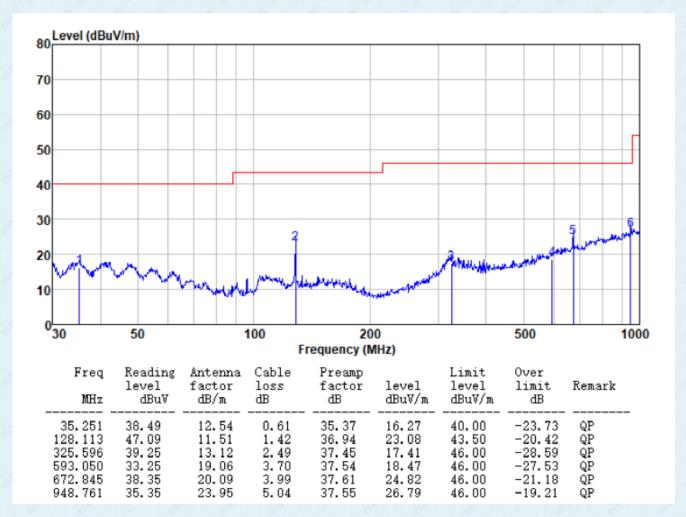
30MHz ~ 1GHz

			142
Test channel:	Lowest	Polarization:	Horizontal





1	Test channel:	Lowest	Polarization:	Vertical
	43. 43. 43.	63 63 63	43 43 AS	6 6 6



128.113

337.216

416.179

54.03

36.98

39.19

11.51

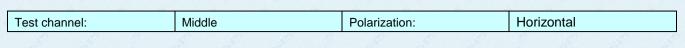
13.32

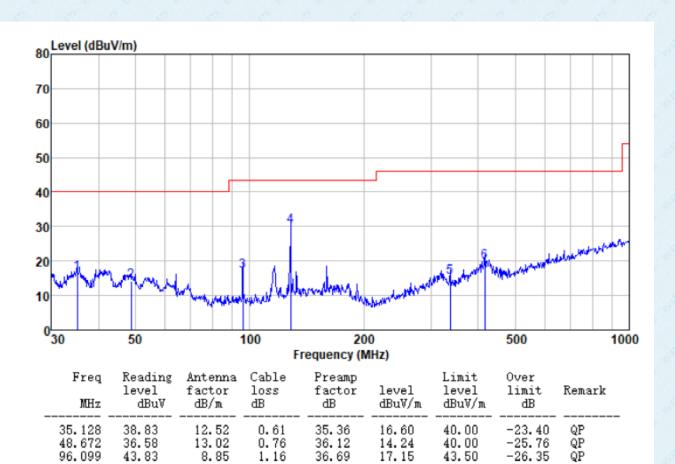
15.11

1.42

2.56 2.93

Report No.: GTS202107000170F01





36.94

37.46

37.52

30.02

15.40

19.71

43.50

46.00

46.00

-13.48

-30.60

-26.29

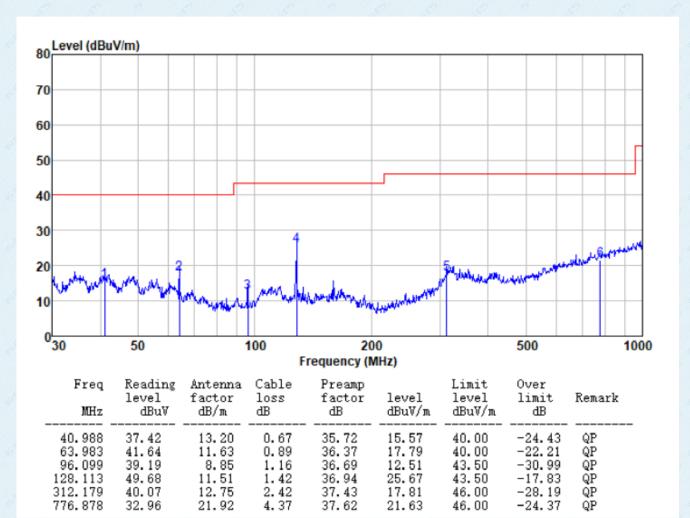
QP

QΡ

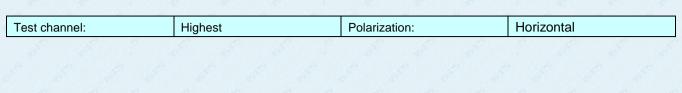
QP

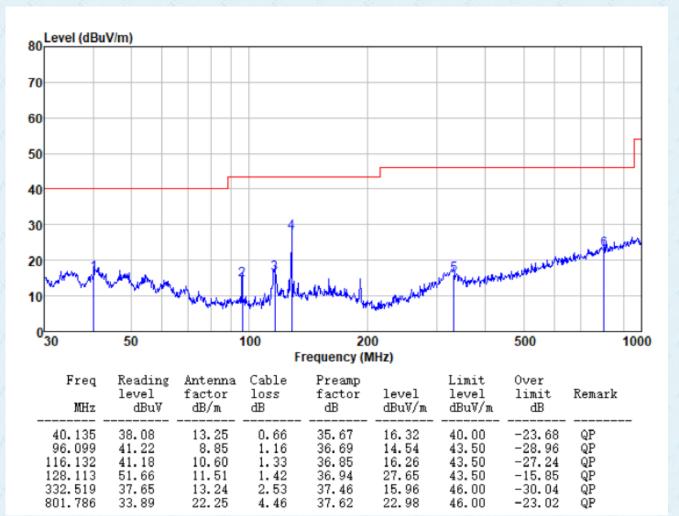
Report No.: GTS202107000170F01

I and the second se																
1	Test chani	nel:		Middl	е			Polarizatior	n:		Verti	cal				
	15	159	6	157	10	189	67	157	15	49	67	19	145	1		



Report No.: GTS202107000170F01







672.845

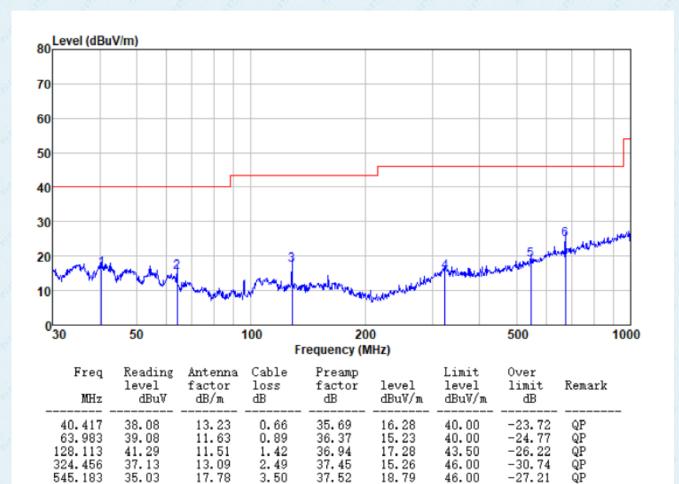
38.41

20.09

3.99

Report No.: GTS202107000170F01

							22.11									
Test channel:				Highe	est			Polarization	Verti	Vertical						
10 10 19		57	10	159	67	19	15	19	63	157	10	- 49				



37.61

24.88

46.00

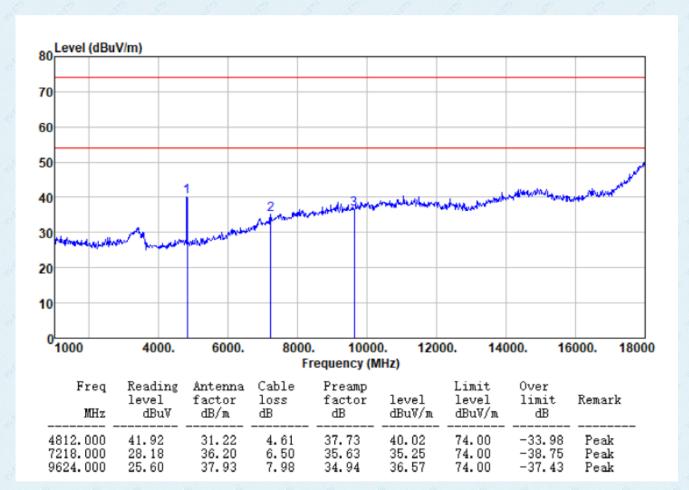
-21.12

QP

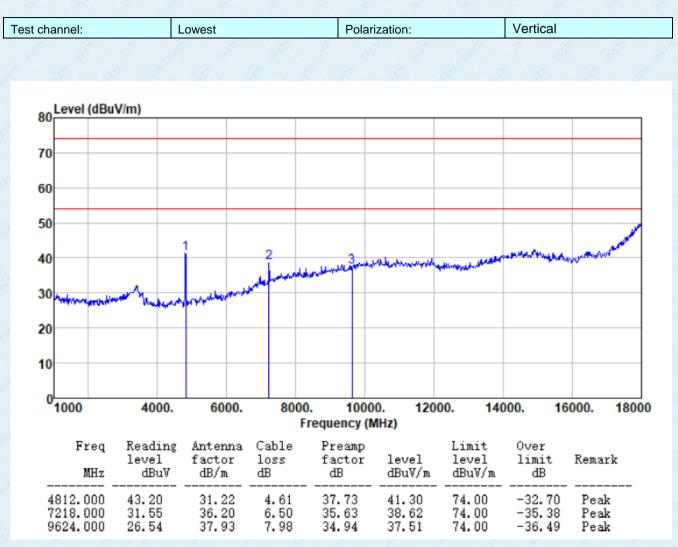


- Unwanted Emissions in Restricted Frequency Bands
- Above 1GHz

|--|

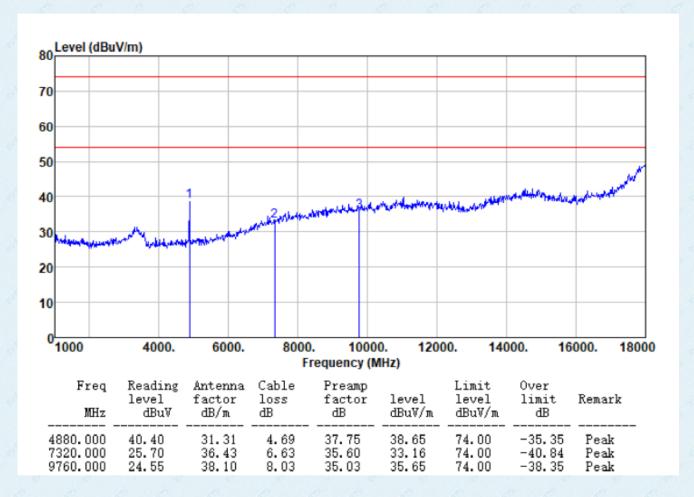


Report No.: GTS202107000170F01

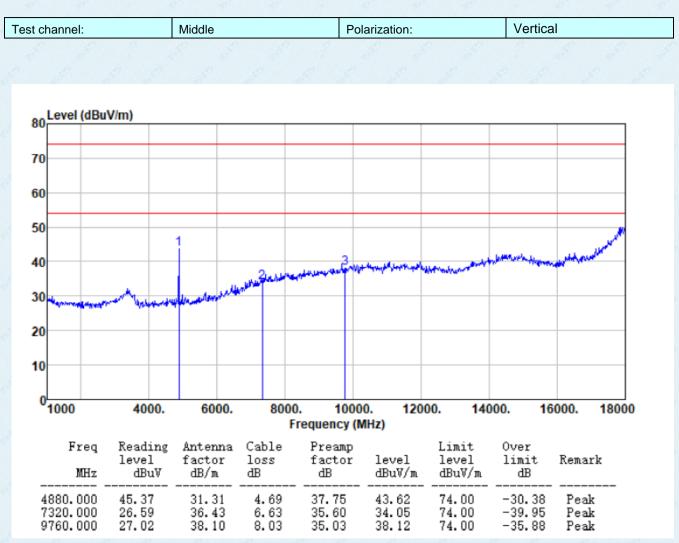


Report No.: GTS202107000170F01

Test channel:			Mido	Middle			Polarization:			Hori	Horizontal			
S.	and a second		64	E.	- All		E.	S.	and a second		and a second	J.	and a second	

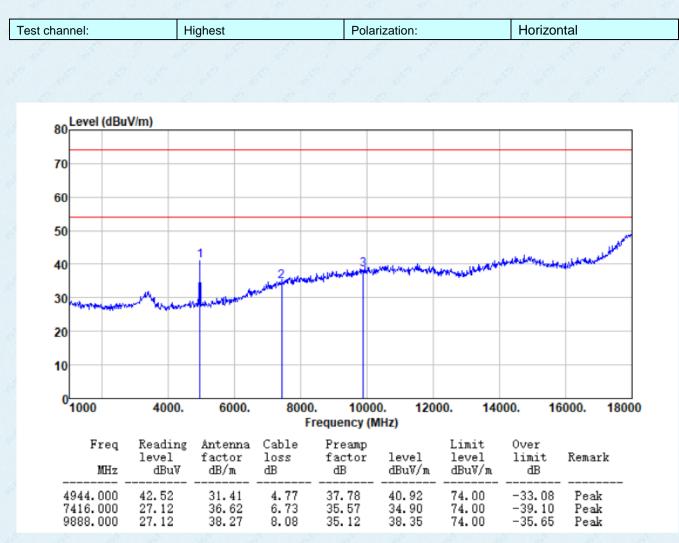


Report No.: GTS202107000170F01

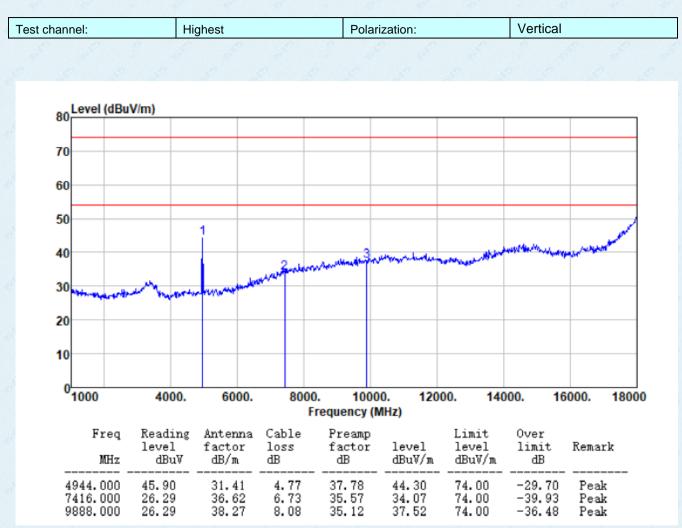




Report No.: GTS202107000170F01



Report No.: GTS202107000170F01

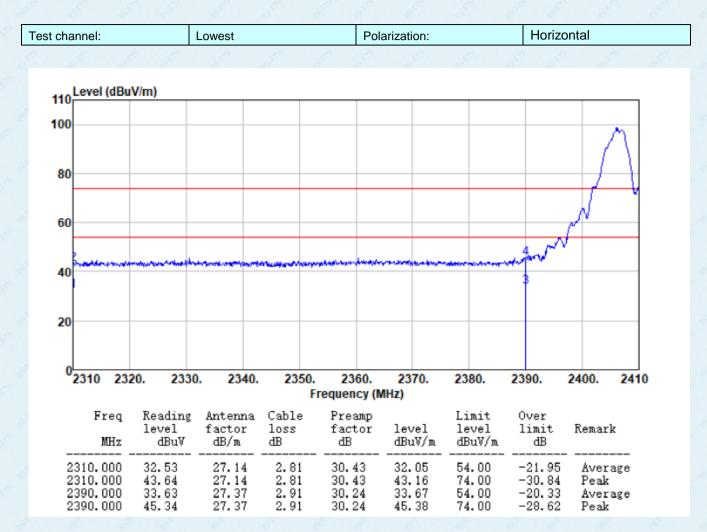


Remark:

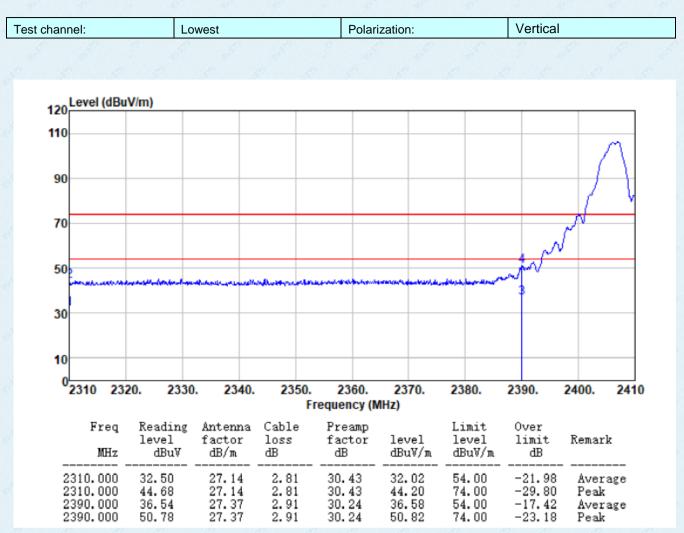
- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. *"*", means this data is the too weak instrument of signal is unable to test.*
- 3. The emission levels of other frequencies are very lower than the limit and not show in test report.

Report No.: GTS202107000170F01

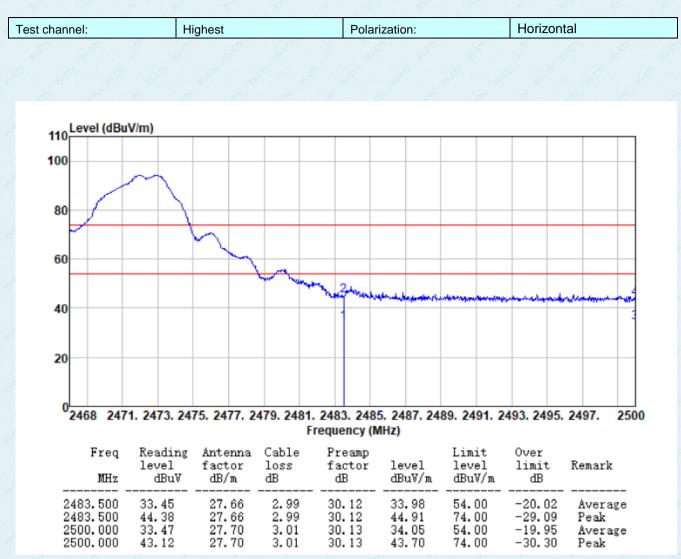
Unwanted Emissions in Non-restricted Frequency Bands



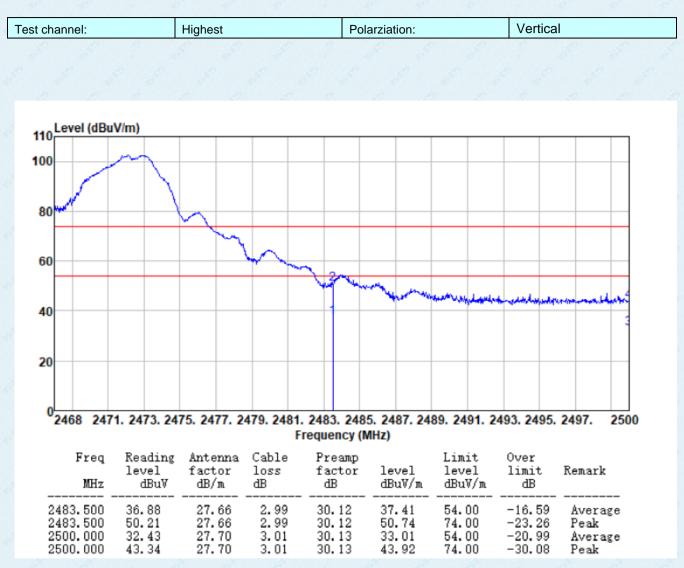
Report No.: GTS202107000170F01



Report No.: GTS202107000170F01



Report No.: GTS202107000170F01



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.

3. "*", means this data is the too weak instrument of signal is unable to test.



8 Test Setup Photo

Reference to the appendix I for details.

9 EUT Constructional Details

Reference to the **appendix II** for details.

----End----