GTS Global United Technology Services Co., Ltd.

Report No.: GTS2024090046F01

TEST REPORT

Applicant:	ShenZhen FLYSKY Technology Co.,Ltd				
Applicant.	Shenzhen i Erski rechnology Co.,Elu				
Address of Applicant:	16F, Huafeng Building, No. 6006 Shennan Road, Futian District, Shenzhen, Guangdong, China				
Manufacturer:	ShenZhen FLYSKY Technology Co.,Ltd				
Address of Manufacturer: Factory:	16F, Huafeng Building, No. 6006 Shennan Road, Futian District, Shenzhen, Guangdong, China Dongguan Flysky RC Model technology Co.,Ltd				
ractory.	Dongguarri rysky i to model technology ou., Ltu				
Address of Factory:	West building 3, HuangjinyuanInd Park, Qiaoli North Gate, Changping Town, Dongguan, China				
Equipment Under Test (E	EUT)				
Product Name:	Automatic Frequency Hopping Digital System				
Model No.:	FS-G11P, G11P				
Trade Mark:	FLYSKY				
FCC ID:	2A2UNG11P00				
Applicable standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.247				
Date of sample receipt:	September 03, 2024				
Date of Test:	September 04, 2024-October 29, 2024				
Date of report issued:	October 29, 2024				
Test Result :	PASS *				

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

Authorized Signature:



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 42



2 Version

Version No.	Date	Description
00	October 29, 2024	Original
7	F	

Prepared By:

hantly

Date:

Date:

October 29, 2024

October 29, 2024

Project Engineer

Check By:

otoinson (un)

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

No.	Item	Measurement Uncertainty			
1	Radio Frequency	±7.25×10 ⁻⁸			
2	Duty cycle	±0.37%			
3	Occupied Bandwidth	±3%			
4	RF conducted power	±0.75dB			
5	RF power density	±3dB			
6	Conducted Spurious emissions	±2.58dB			
7	AC Power Line Conducted Emission	±3.44dB (0.15MHz ~ 30MHz)			
	Radiated Spurious emission test	±3.1dB (9kHz-30MHz)			
		±3.8039dB (30MHz-200MHz)			
8		±3.9679dB (200MHz-1GHz)			
		±4.29dB (1GHz-18GHz)			
		±3.30dB (18GHz-40GHz)			
9	Temperature test	±1°C			
10	Humidity test	±3%			
11	Time	±3%			

5 General Information

5.1 General Description of EUT

Automatic Frequency Hopping Digital System
FS-G11P, G11P
FS-G11P
identical in the same PCB layout, interior structure and electrical circuits. ame for commercial purpose.
RD1001640
GTS2024090046-1
Engineer sample
2406MHz~2472MHz
133
FHSS
GMSK
ANT 1: Integral antenna
ANT 2: Integral antenna
ANT 1: 2.54dBi
ANT 2: 3.22dBi
DC 6~9V(2S lithium battery)

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

4. 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 ≥3MHz. 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	2406MHz
The middle channel	2440MHz
The Highest channel	2472MHz



Operation F	requency eac	h of channel					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2406	35	2423	69	2440	103	2457
2	2406.5	36	2423.5	70	2440.5	104	2457.5
3	2407	37	2424	71	2441	105	2458
4	2407.5	38	2424.5	72	2441.5	106	2458.5
5	2408	39	2425	73	2442	107	2459
6	2408.5	40	2425.5	74	2442.5	108	2459.5
7	2409	41	2426	75	2443	109	2460
8	2409.5	42	2426.5	76	2443.5	110	2460.5
9	2410	43	2427	77	2444	111	2461
10	2410.5	44	2427.5	78	2444.5	112	2461.5
11	2411	45	2428	79	2445	113	2462
12	2411.5	46	2428.5	80	2445.5	114	2462.5
13	2412	47	2429	81	2446	115	2463
14	2412.5	48	2429.5	82	2446.5	116	2463.5
15	2413	49	2430	83	2447	117	2464
16	2413.5	50	2430.5	84	2447.5	118	2464.5
17	2414	51	2431	85	2448	119	2465
18	2414.5	52	2431.5	86	2448.5	120	2465.5
19	2415	53	2432	87	2449	121	2466
20	2415.5	54	2432.5	88	2449.5	122	2466.5
21	2416	55	2433	89	2450	123	2467
22	2416.5	56	2433.5	90	2450.5	124	2467.5
23	2417	57	2434	91	2451	125	2468
24	2417.5	58	2434.5	92	2451.5	126	2468.5
25	2418	59	2435	93	2452	127	2469
26	2418.5	60	2435.5	94	2452.5	128	2469.5
27	2419	61	2436	95	2453	129	2470
28	2419.5	62	2436.5	96	2453.5	130	2470.5
29	2420	63	2437	97	2454	131	2471
30	2420.5	64	2437.5	98	2454.5	132	2471.5
31	2421	65	2438	99	2455	133	2472
32	2421.5	66	2438.5	100	2455.5		
33	2422	67	2439	101	2456		
34	2422.5	68	2439.5	102	2456.5	1918 St. 19	



5.2 Test mode

Report No.: GTS2024090046F01

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

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
XIAOMI	USB Charger	MDY-10-EH	N/A

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.



6 Test Instruments list

Radia	Radiated 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	Jun. 22, 2024	Jun. 21, 2027			
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	Apr. 11, 2024	Apr. 10, 2025			
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9168	GTS640	Mar. 19, 2023	Mar. 18, 2025			
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120 D	GTS208	Apr. 17, 2023	Apr. 16, 2025			
6	EMI Test Software	AUDIX	E3	N/A	N/A	N/A			
7	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	GTS575	Apr. 11, 2024	Apr. 10, 2025			
8	Loop Antenna	ZHINAN	ZN30900A	GTS534	Nov. 13, 2023	Nov.12, 2024			
9	Broadband Preamplifier	SCHWARZBECK	BBV9718	GTS535	Apr. 11, 2024	Apr. 10, 2025			
10	Amplifier(1GHz-26.5GHz)	HP	8449B	GTS601	Apr. 11, 2024	Apr. 10, 2025			
11	Horn Antenna (15GH-40GHz)	SCHWARZBECK	01296	GTS691	Mar. 07, 2024	Mar. 06, 2025			
12	FSV-Signal Analyzer (10Hz-40GHz)	Keysight	FSV-40-N	GTS666	Mar. 12, 2024	Mar. 11, 2025			
13	Amplifier	/	LNA-1000-30S	GTS650	Apr. 11, 2024	Apr. 10, 2025			
14	CDNE M2+M3-16A	НСТ	30MHz-300MHz	GTS692	Nov. 08, 2023	Nov. 07, 2024			
15	Wideband Amplifier	/	WDA-01004000-15P35	GTS602	Apr. 11, 2024	Apr. 10, 2025			
16	Thermo meter	JINCHUANG	GSP-8A	GTS643	Apr. 18, 2024	Apr. 17, 2025			
17	RE cable 1	GTS	N/A	GTS675	Jul. 02, 2024	Jul. 01, 2025			
18	RE cable 2	GTS	N/A	GTS676	Jul. 02, 2024	Jul. 01, 2025			
19	RE cable 3	GTS	N/A	GTS677	Jul. 02, 2024	Jul. 01, 2025			
20	RE cable 4	GTS	N/A	GTS678	Jul. 02, 2024	Jul. 01, 2025			
21	RE cable 5	GTS	N/A	GTS679	Jul. 02, 2024	Jul. 01, 2025			
22	RE cable 6	GTS	N/A	GTS680	Jul. 02, 2024	Jul. 01, 2025			
23	RE cable 7	GTS	N/A	GTS681	Jul. 05, 2024	Jul. 04, 2025			
24	RE cable 8	GTS	N/A	GTS682	Jul. 05, 2024	Jul. 04, 2025			



Cond	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	Jul. 12, 2022	Jul. 11, 2027				
2	EMI Test Receiver	R&S	ESCI 7	GTS552	Apr. 11, 2024	Apr. 10, 2025				
3	LISN	ROHDE & SCHWARZ	ENV216	GTS226	Apr. 11, 2024	Apr. 10, 2025				
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	Apr. 18, 2024	Apr. 17, 2025				
7	Absorbing clamp Elektronik		MDS21	GTS229	Apr. 11, 2024	Apr. 10, 2025				
8	ISN	SCHWARZBECK	NTFM 8158	GTS565	Apr. 11, 2024	Apr. 10, 2025				
9	High voltage probe	SCHWARZBECK	TK9420	GTS537	Apr. 11, 2024	Apr. 10, 2025				
10	Antenna end assembly	Weinschel	1870A	GTS560	Apr. 11, 2024	Apr. 10, 2025				

RF Co	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	Apr. 13, 2024	Apr. 12, 2025				
2	EMI Test Receiver	R&S	ESCI 7	GTS552	Apr. 13, 2024	Apr. 12, 2025				
3	PSA Series Spectrum Analyzer	Agilent	E4440A	GTS536	Apr. 13, 2024	Apr. 12, 2025				
4	MXG vector Signal Generator	Agilent	N5182A	GTS567	Apr. 13, 2024	Apr. 12, 2025				
5	ESG Analog Signal Generator	Agilent	E4428C	GTS568	Apr. 13, 2024	Apr. 12, 2025				
6	USB RF Power Sensor	DARE	RPR3006W	GTS569	Apr. 13, 2024	Apr. 12, 2025				
7	RF Switch Box	Shongyi	RFSW3003328	GTS571	Apr. 13, 2024	Apr. 12, 2025				
8	Programmable Constant Temp & Humi Test Chamber	WEWON	WHTH-150L-40-880	GTS572	Apr. 13, 2024	Apr. 12, 2025				
9	Thermo meter	JINCHUANG	GSP-8A	GTS641	Apr. 18, 2024	Apr. 17, 2025				

Gen	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	Apr. 18, 2024	Apr. 17, 2025	



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, reference to the appendix II for details.

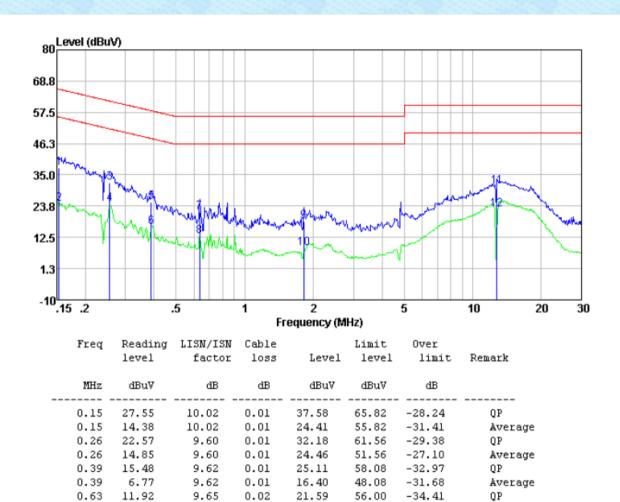
7.2 Conducted Emissions

	7.2 Conducted Emissions					
	Test Requirement:	FCC Part15 C Section 15.207				
	Test Method:	ANSI C63.10:2013				
	Test Frequency Range:	150KHz to 30MHz				
	Receiver setup:	RBW=9KHz, VBW=30KHz, Sv	weep time=auto			
	Limit:	Frequency range (MHz)	Limit	(dBuV)		
			Quasi-peak	Average		
		0.15-0.5	66 to 56*	56 to 46*		
		0.5-5 5-30	<u>56</u> 60	46 50		
		* Decreases with the logarithm				
	Test setup:	Reference Plane				
a water and the state of the st		40cm LISN 40cm 40cm 40cm LISN Filter AC power EMI Receiver Remark				
4. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	Test procedure:	 E.U.T. Equipment Under Test LISN 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 50ohm/50uH coupling impedance for the measuring equipment. 2. 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). 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 Instruments:	Refer to section 6.0 for details				
	Test mode:	Refer to section 5.2 for details				
	Test environment:	Temp.: 25 °C Hum	nid.: 52%	Press.: 1012mbar		
	Test voltage:	AC 120V, 60Hz				
	Test results:	Pass				
L						



Measurement data:

Pre-scan all test modes, found worst case at 2406MHz@Ant 1, and so only show the test result of it. Line:



0.63

1.82

1.82

12.78

12.78

3.14

8.55

-1.07

20.98

12.58

9.65

9.68

9.68

9.68

9.68

0.02

0.04

0.04

0.14

0.14

12.81

18.27

8.65

30.80

22.40

46.00

56.00

46.00

60.00

50.00

-33.19

-37.73

-37.35

-29.20

-27.60

OP

QP

QP

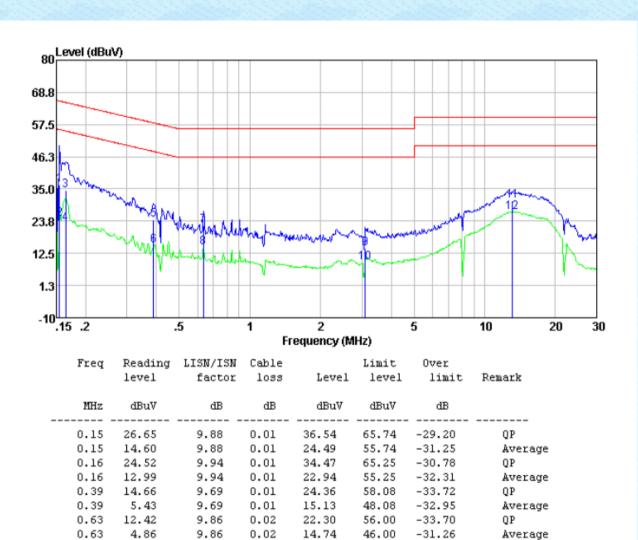
Average

Average

Average

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Neutral:



Notes:

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

9.81

9.81

9.91

9.91

0.05

0.05

0.14

0.14

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

14.21

9.29

30.83

26.89

56.00

46.00

60.00

50.00

-41.79

-36.71

-29.17

-23.11

QP

QP

Average

Average

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

3.11

3.11

13.13

13.13

4.35

-0.57

20.78

16.84



Test Requirement:	FCC Part15 C Section 15.247(a)(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		
Test mode:	Refer to section 5.2 for details		
Test results:	Pass		

7.4 20dB Emission Bandwidth



lo ourrer requencies ocparation			
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)(iii)		
Test Method:	ANSI C63.10:2013		
Receiver setup:	RBW=1.2MHz, VBW=1.2MHz, Frequency range=2398MHz-2485.5MHz, 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)(iii)			
Test Method:	ANSI C63.10:2013			
Receiver setup:	RBW=100KHz, VBW=100KHz, 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

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
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Test Requirement:	FCC Part15 C Section	on 18	5.209 and 1	5.205	2.5				
Test Method:	ANSI C63.10:2013								
Test Frequency Range:	9kHz to 25GHz								
Test site:	Measurement Distar	nce: :	3m						
Receiver setup:	Frequency	C	Detector	RB	N	VBW	VBW Value		
	9KHz-150KHz	Qu	uasi-peak	200	Ηz	600Hz	z	Quasi-peak	
	150KHz-30MHz	Qu	uasi-peak	9KH	łz	30KH	z	Quasi-peak	
	30MHz-1GHz	Qu	uasi-peak	120K	Hz	300KHz		Quasi-peak	
	Above 1GHz		Peak	1MH	Ηz	3MHz	z	Peak	
	Above IGHZ		Peak	1MH	1MHz 10Hz			Average	
	Note: For Duty cy cycle < 98%								
Limit: (Spurious Emissions)	Frequency		Limit (u∨	//m)	V	alue		easurement Distance	
	0.009MHz-0.490M	IHz	2400/F(K	(Hz)		QP		300m	
	0.490MHz-1.705M	IHz	24000/F(I	≺Hz)		QP		30m	
	1.705MHz-30MHz		30		QP			30m	
	30MHz-88MHz		100			QP			
	88MHz-216MHz		150			QP			
	216MHz-960MH		200			QP		3m	
	960MHz-1GHz 500		QP						
	Above 1GHz		500			Average			
	5000 Peak								
Test setup:	Below 30MHz								
	< SOCT >	n hans	< 3m > um Table [lm Receive		t Antenna			

	Report No.: GTS2024090046F01				
	<pre></pre>				
	Above 1GHz				
Test Procedure:	1. The EUT was placed on the top of a rotating table (0.8 meters for below 1GHz and 1.5 meters 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 °CHumid.:52%Press.:1 012mbar				

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

Report No : GTS2024090046E01



	Report No.: GTS2024090046F01
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.

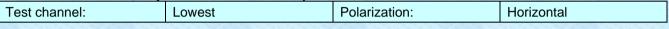
Measurement data:

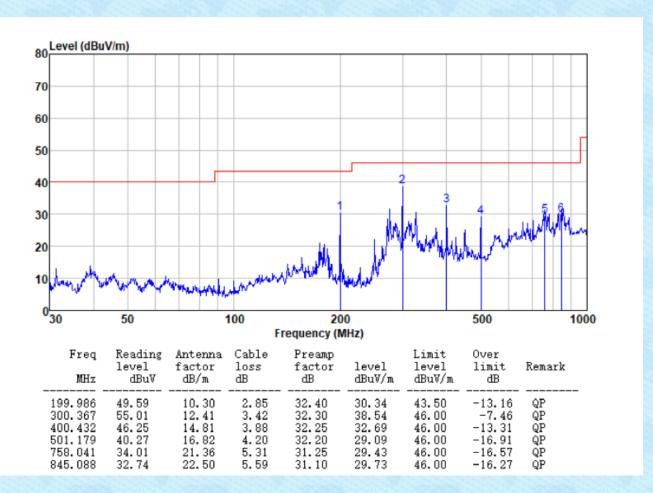
Below 30MHz

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

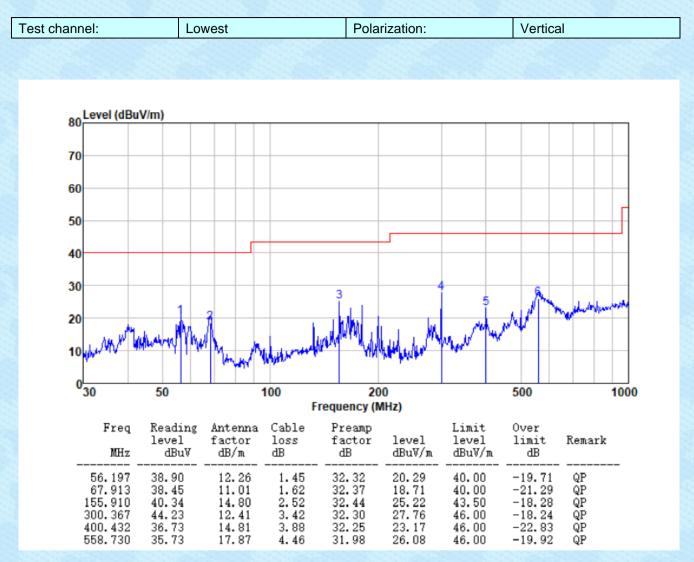
All antennas have test, only the worst case ANT 1 report.



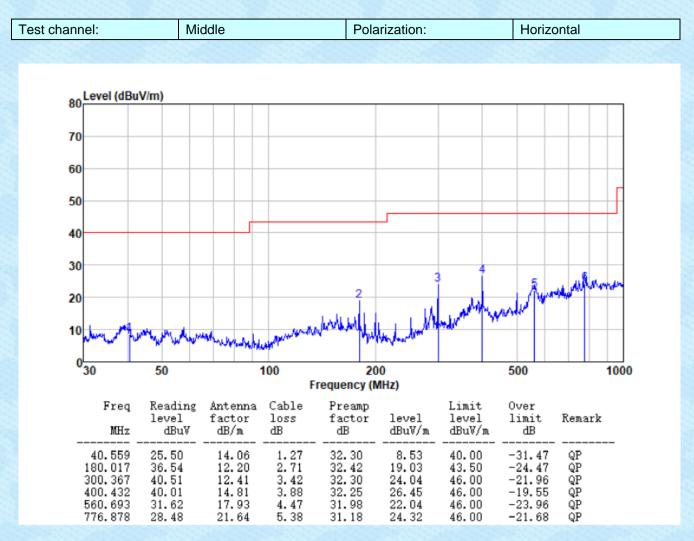


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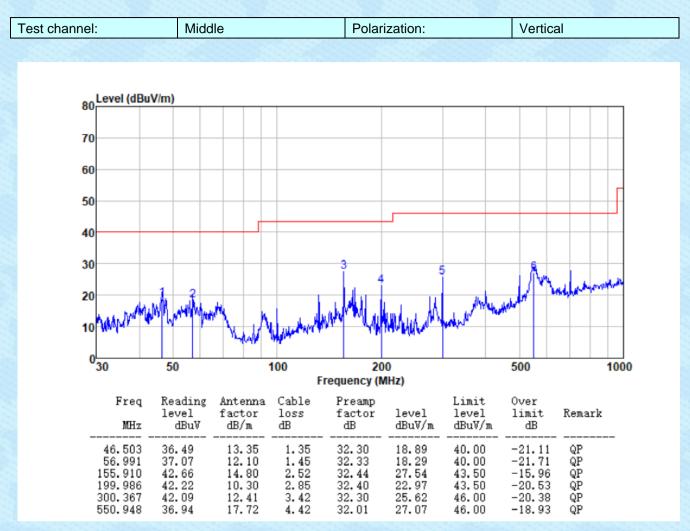
Report No.: GTS2024090046F01



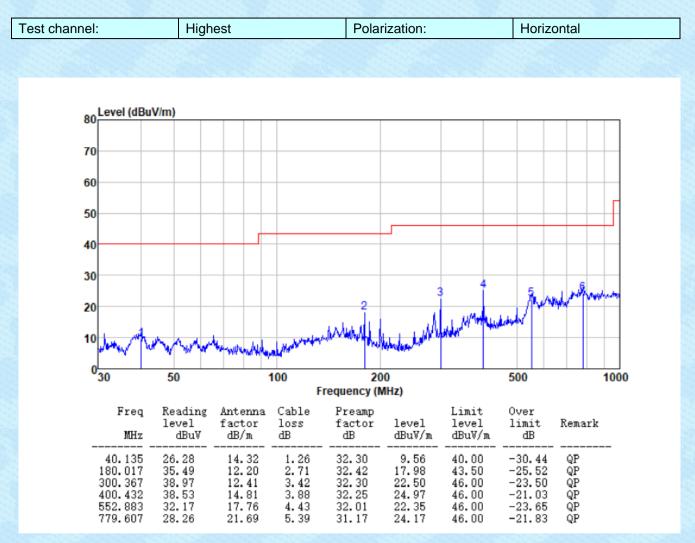
Report No.: GTS2024090046F01



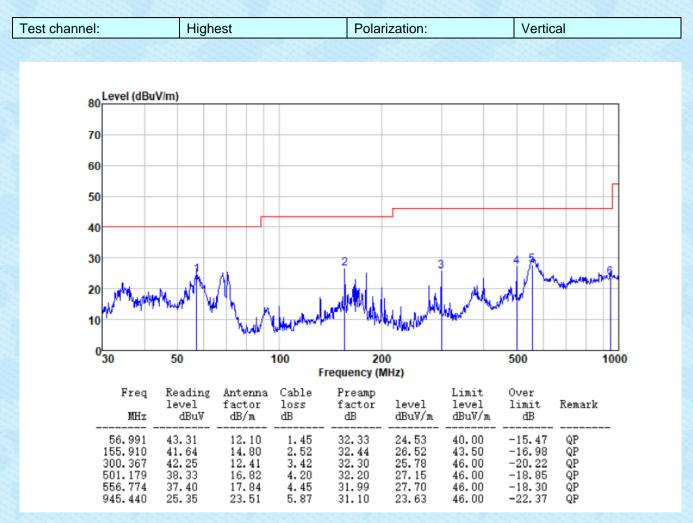
Report No.: GTS2024090046F01



Report No.: GTS2024090046F01

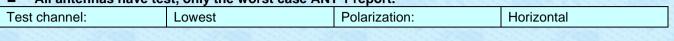


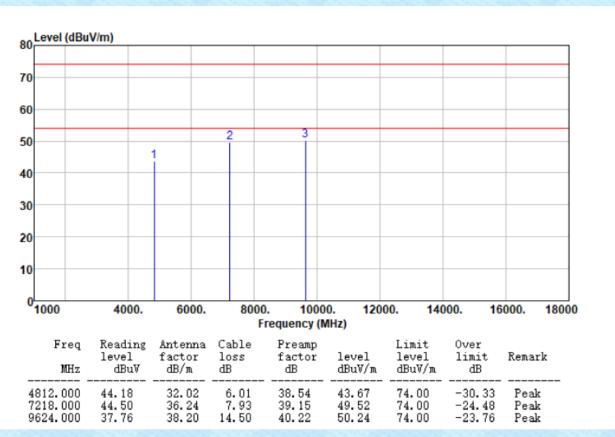
Report No.: GTS2024090046F01





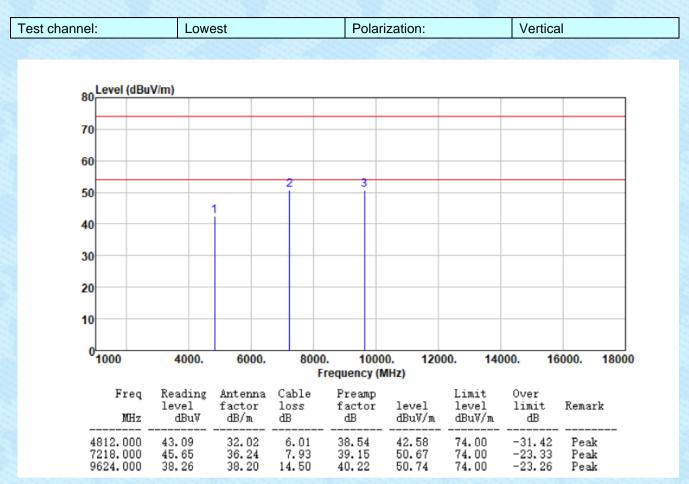
- Above 1GHz
- Unwanted Emissions in Non-restricted Frequency Bands
- All antennas have test, only the worst case ANT 1 report.



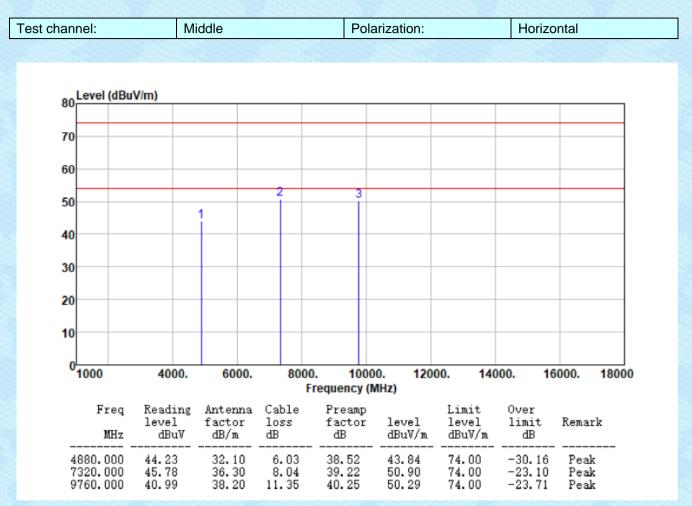




Report No.: GTS2024090046F01

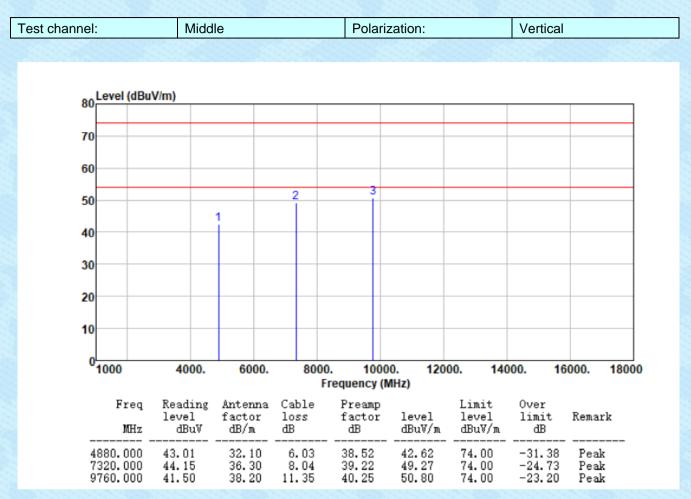


Report No.: GTS2024090046F01



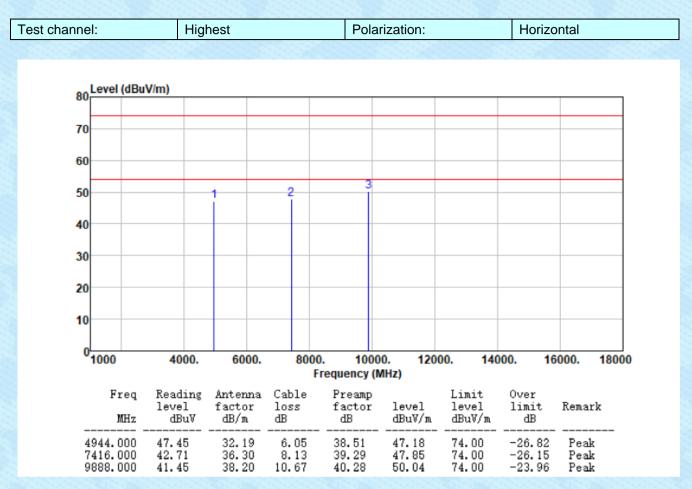


Report No.: GTS2024090046F01

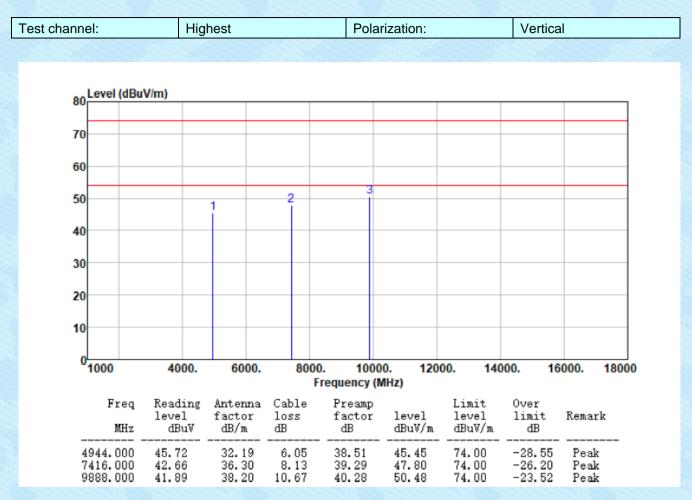




Report No.: GTS2024090046F01



Report No.: GTS2024090046F01



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.

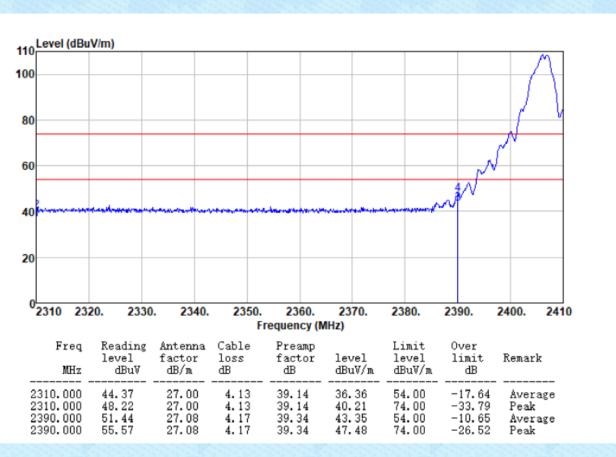


Report No.: GTS2024090046F01

Unwanted Emissions in Restricted Frequency Bands

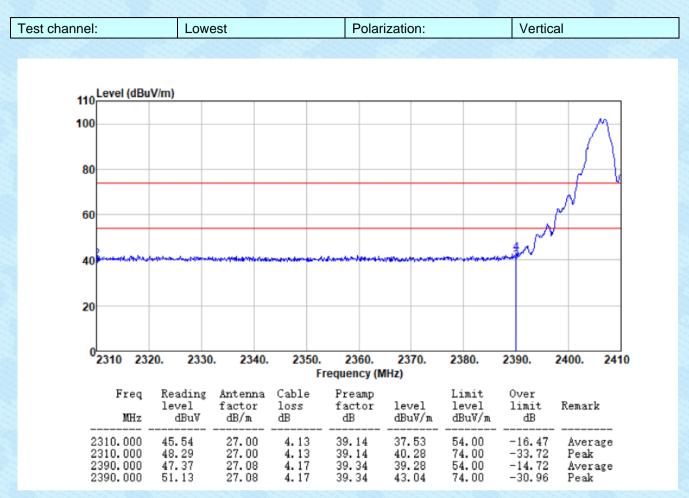
■ ANT 1

Test channel:	Lowest	Polarization:	Horizontal



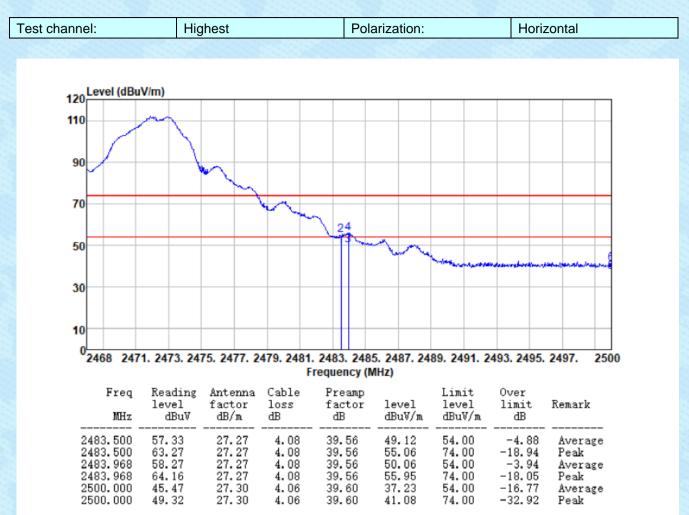


Report No.: GTS2024090046F01

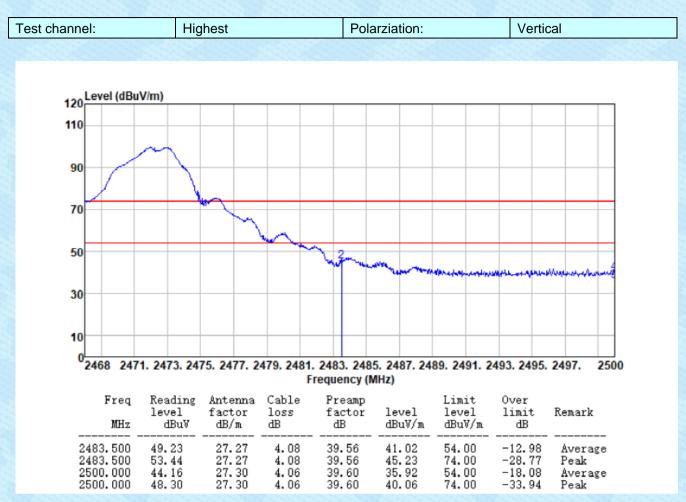




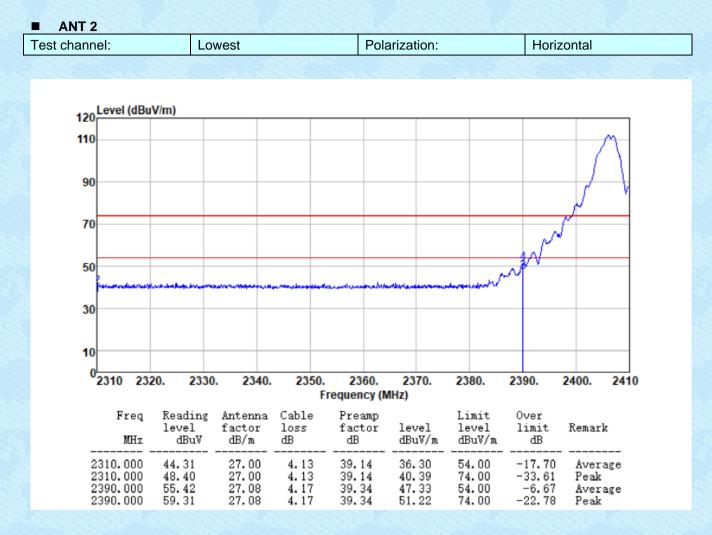
Report No.: GTS2024090046F01



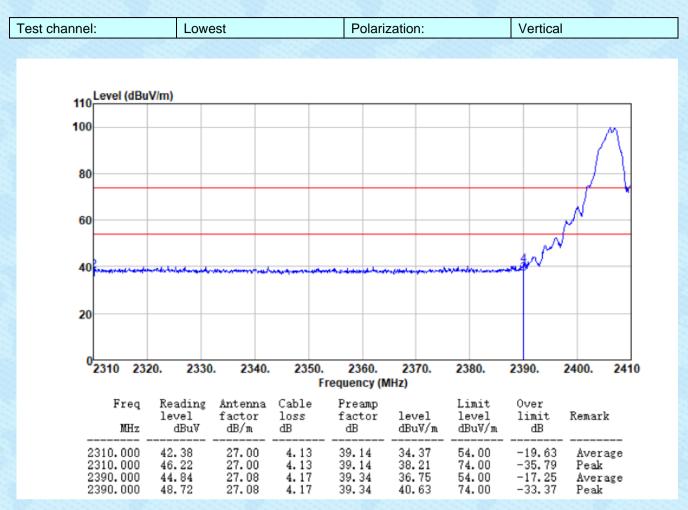
Report No.: GTS2024090046F01



Report No.: GTS2024090046F01

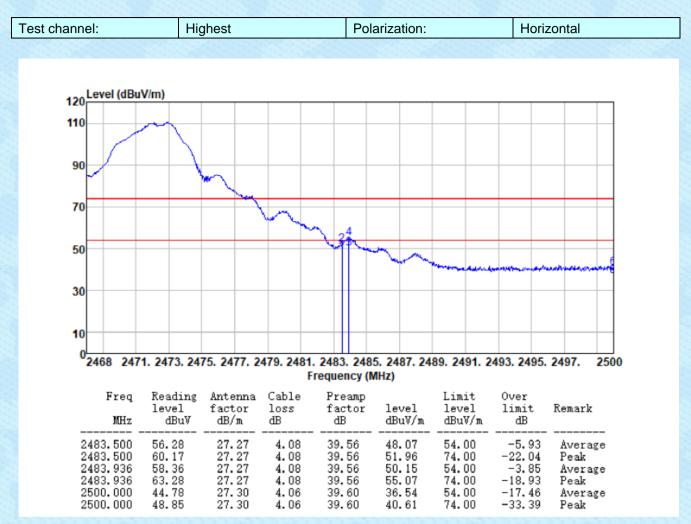


Report No.: GTS2024090046F01

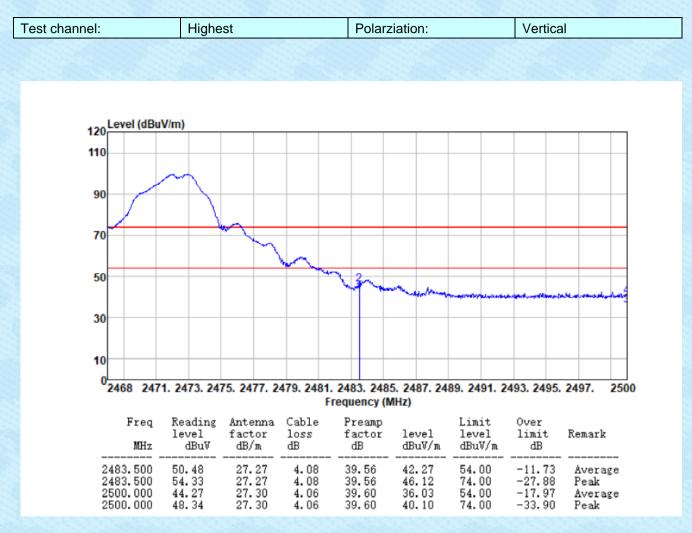




Report No.: GTS2024090046F01



Report No.: GTS2024090046F01



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----