

Global United Technology Services Co., Ltd.

Report No.: GTSL2024060249F01

TEST REPORT

Applicant: Shenzhen EWRF Technology Co.,LTD

Address of Applicant: Rm 412, Building 535, Second Bagua Road, Futian, Shenzhen,

China

Manufacturer/Factory: Shenzhen EWRF Technology Co.,LTD

Address of Rm 412, Building 535, Second Bagua Road, Futian, Shenzhen,

Manufacturer/Factory:

Equipment Under Test (EUT)

EWRF 1022MLA LoRaWAN RF Module **Product Name:**

Model No.: EWRF 1022MLA

Trade Mark: **EWRF**

FCC ID: 2BG9A-E1022MLA

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

Date of sample receipt: June 19, 2024

Date of Test: June 20, 2024-August 09, 2024

Date of report issued: August 09, 2024

PASS * Test Result:

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

Authorized Signature:



This results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver. Page 1 of 47



2 Version

Version No.	Date	Description		
00	August 09, 2024	Original		

Prepared By:	Joseph Clu	Date:	August 09, 2024
	Project Engineer		
Check By:	Reviewer	Date:	August 09, 2024



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4 Test Summary

Test Item	Section	Result
Antenna Requirement	15.203	Pass
AC Power Line Conducted Emission	15.207	Pass
Conducted Book Output Bower	15.247 (b)(2)	Pass
Conducted Peak Output Power	15.247 (b)(3)	Pass
Channel Bandwidth	15.247 (a)(1)	Pass
Charnel Bandwidth	15.247 (a)(2)	rass
Power Spectral Density	15.247 (e)	Pass
Carrier Frequencies Separation	15.247 (a)(1)	Pass
Hopping Channel Number	Report only for hybrid system	Pass
Dwell Time	15.247 (f)	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)			
		±3.1dB (9kHz-30MHz)			
	Radiated Spurious emission test	±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

EWRF 1022MLA LoRaWAN RF Module
EWRF 1022MLA
1EBDB2425B000256
GTSL2024060249-1
Engineer sample
125k bandwidth: 902.3MHz~914.9MHz
500k bandwidth: 903MHz~914.2MHz
125k bandwidth: 64
500k bandwidth: 8
125k bandwidth: FHSS
500k bandwidth: DTS
Spring Antenna
1.5dBi(Declared by applicant)
DC 2.0-3.7V

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.

The test frequencies are below:

Channel	Frequen	cy(MHz)
	FHSS	DTS
The lowest channel	902.3	903
The middle channel	908.5	907.8
The Highest channel	914.9	914.2



RF Channel and Frequency of Lora FHSS							
1	902.3	23	906.7	45	911.1		
2	902.5	24	906.9	46	911.3		
3	902.7	25	907.1	47	911.5		
4	902.9	26	907.3	48	911.7		
5	903.1	27	907.5	49	911.9		
6	903.3	28	907.7	50	912.1		
7	903.5	29	907.9	51	912.3		
8	903.7	30	908.1	52	912.5		
9	903.9	31	908.3	53	912.7		
10	904.1	32	908.5	54	912.9		
11	904.3	33	908.7	55	913.1		
12	904.5	34	908.9	56	913.3		
13	904.7	35	909.1	57	913.5		
14	904.9	36	909.3	58	913.7		
15	905.1	37	909.5	59	913.9		
16	905.3	38	909.7	60	914.1		
17	905.5	39	909.9	61	914.3		
18	905.7	40	910.1	62	914.5		
19	905.9	41	910.3	63	914.7		
20	906.1	42	910.5	64	914.9		
21	906.3	43	910.7				
22	906.5	44	910.9				

RF Channel and Frequency of Lora DTS						
1	903.0	4	907.8	7	912.6	
2	904.6	5	909.4	8	914.2	
3	906.2	6	911.0			



5.2 Test mode

Transmitting mode Keep the EUT in transmitting mode.

5.3 Test Facility

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

• FCC —Registration No.: 381383

Designation Number: CN5029

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

• ISED —Registration No.: 9079A

CAB identifier: CN0091

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

NVLAP (LAB CODE:600179-0)

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

5.4 Test Location

All other tests were performed at:

Global United Technology Services Co., Ltd.

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

Tel: 0755-27798480

Fax: 0755-27798960

5.5 Description of Support Units

None.

5.6 Deviation from Standards

None.

5.7 Abnormalities from Standard Conditions

None.

5.8 Additional Instructions

Test Software	Special test command provided by manufacturer
Power level setup	Default

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



6 Test Instruments list

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	June 22, 2024	June 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	April 11, 2024	April 10, 2025	
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9168	GTS640	March 19, 2023	March 18, 2025	
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120 D	GTS208	April 17, 2023	April 16, 2025	
6	EMI Test Software	AUDIX	E3	N/A	N/A	N/A	
7	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	GTS575	April 11, 2024	April 10, 2025	
8	Loop Antenna	ZHINAN	ZN30900A	GTS534	Nov. 13, 2023	Nov.12, 2024	
9	Broadband Preamplifier	SCHWARZBECK	BBV9718	GTS535	April 11, 2024	April 10, 2025	
10	Amplifier(1GHz-26.5GHz)	HP	8449B	GTS601	April 11, 2024	April 10, 2025	
11	Horn Antenna (18- 26.5GHz)	1	UG-598A/U	GTS664	Oct. 29, 2023	Oct. 28, 2024	
12	Horn Antenna (26.5-40GHz)	A.H Systems	SAS-573	GTS665	Oct. 29, 2023	Oct. 28, 2024	
13	FSV·Signal Analyzer (10Hz-40GHz)	Keysight	FSV-40-N	GTS666	March 12, 2024	March 11, 2025	
14	Amplifier	1	LNA-1000-30S	GTS650	April 11, 2024	April 10, 2025	
15	CDNE M2+M3-16A	HCT	30MHz-300MHz	GTS692	Nov. 08, 2023	Nov.07, 2024	
16	Wideband Amplifier	1	WDA-01004000-15P35	GTS602	April 11, 2024	April 10, 2025	
17	Thermo meter	JINCHUANG	GSP-8A	GTS643	April 18, 2024	April 17, 2025	
18	RE cable 1	GTS	N/A	GTS675	July 02. 2024	July 01. 2025	
19	RE cable 2	GTS	N/A	GTS676	July 02. 2024	July 01. 2025	
20	RE cable 3	GTS	N/A	GTS677	July 02. 2024	July 01. 2025	
21	RE cable 4	GTS	N/A	GTS678	July 02. 2024	July 01. 2025	
22	RE cable 5	GTS	N/A	GTS679	July 02. 2024	July 01. 2025	
23	RE cable 6	GTS	N/A	GTS680	July 02. 2024	July 01. 2025	
24	RE cable 7	GTS	N/A	GTS681	July 05. 2024	July 04. 2025	
25	RE cable 8	GTS	N/A	GTS682	July 05. 2024	July 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	July 12, 2022	July 11, 2027		
2	EMI Test Receiver	R&S	ESCI 7	GTS552	April 11, 2024	April 10, 2025		
3	LISN	ROHDE & SCHWARZ	ENV216	GTS226	April 11, 2024	April 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	April 18, 2024	April 17, 2025		
7	Absorbing clamp	Elektronik- Feinmechanik	MDS21	GTS229	April 11, 2024	April 10, 2025		
8	ISN	SCHWARZBECK	NTFM 8158	GTS565	April 11, 2024	April 10, 2025		
9	High voltage probe	SCHWARZBECK	TK9420	GTS537	April 11, 2024	April 10, 2025		
10	Antenna end assembly	Weinschel	1870A	GTS560	April 11, 2024	April 10, 2025		

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 11, 2024	April 10, 2025
2	EMI Test Receiver	R&S	ESCI 7	GTS552	April 11, 2024	April 10, 2025
3	PSA Series Spectrum Analyzer	Agilent	E4440A	GTS536	April 11, 2024	April 10, 2025
4	MXG vector Signal Generator	Agilent	N5182A	GTS567	April 11, 2024	April 10, 2025
5	ESG Analog Signal Generator	Agilent	E4428C	GTS568	April 11, 2024	April 10, 2025
6	USB RF Power Sensor	DARE	RPR3006W	GTS569	April 11, 2024	April 10, 2025
7	RF Switch Box	Shongyi	RFSW3003328	GTS571	April 11, 2024	April 10, 2025
8	Programmable Constant Temp & Humi Test Chamber	WEWON	WHTH-150L-40-880	GTS572	April 11, 2024	April 10, 2025
9	Thermo meter	JINCHUANG	GSP-8A	GTS641	April 18, 2024	April 17, 2025

Ger	neral 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 18, 2024	April 17, 2025



7 Test results and Measurement Data

7.1 Antenna requirement

Standard requirement: FCC Part15 C Section 15.203

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.

EUT Antenna:

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

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



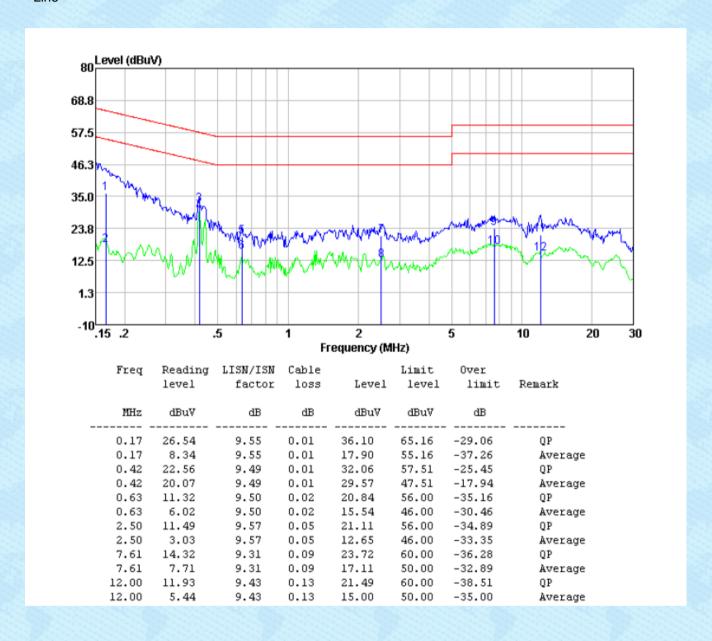
7.2 Conducted Emissions

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, S	weep time=auto			
Limit:	Frequency range (MHz)	Limit	(dBuV)		
		Quasi-peak 66 to 56*	Average 56 to 46*		
	0.15-0.5 0.5-5	56	46		
	5-30	60	50		
	* Decreases with the logarithr	n of the frequency.			
Test setup:	Reference Plane	•			
	40cm 40cm	40cm			
	LICH	BOcm LISN			
	AUX				
	Equipment E.U. I	Filter —	AC power		
	Test table/Insulation plane	EMI Receiver			
	Remark E.U.T. Equipment Under Test LISN: Line impedence Stabilization Network Test table height-0.8m	incective!			
Test procedure:	The E.U.T and simulators a line impedance stabilizatio 50ohm/50uH coupling impedance.	n network (L.I.S.N.). T	This provides a		
	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	3			
Test environment:	Temp.: 25 °C Hur	nid.: 52%	Press.: 1012mbar		
Test voltage:	AC 120V, 60Hz				
Test results:	Pass				
	1 033				



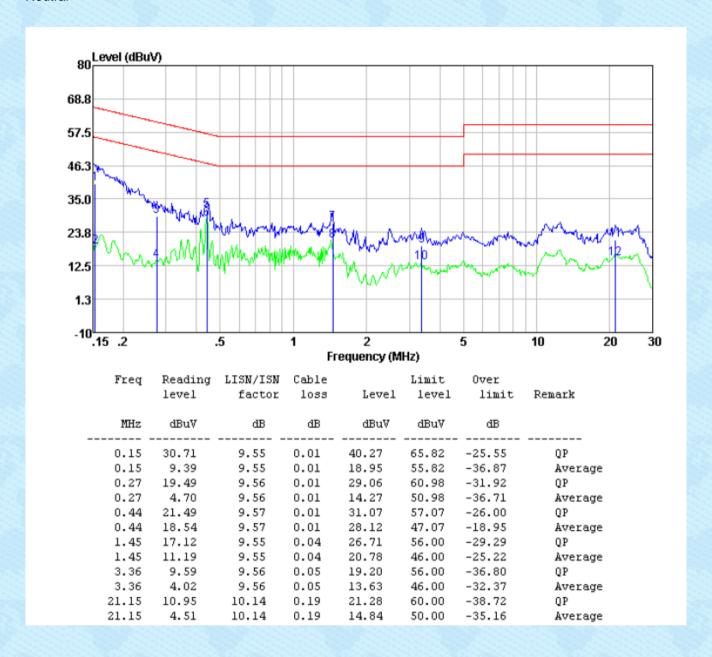
Measurement data

Pre-scan all test modes, found worst case at 902.3MHz, and so only show the test result of it. Line





Neutral

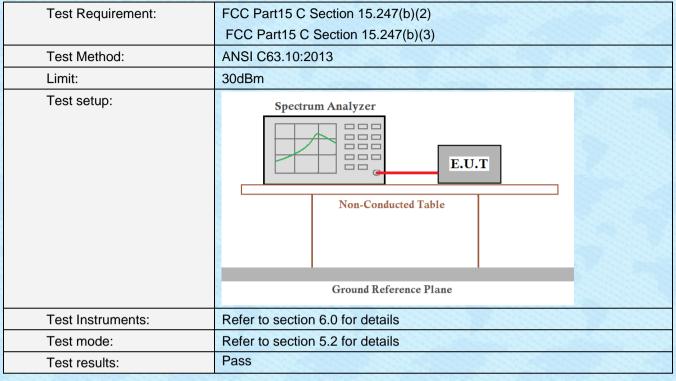


Notes:

- 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.

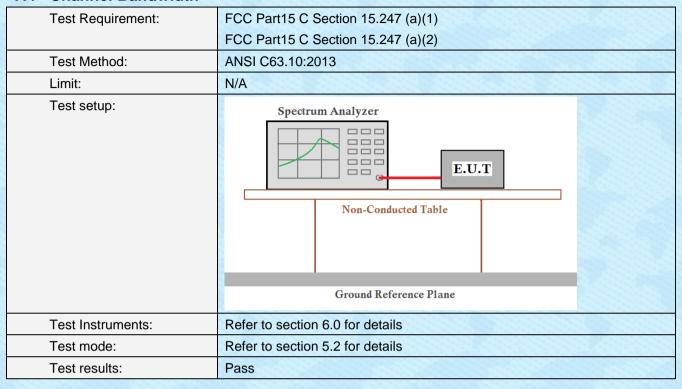


7.3 Conducted Peak Output Power



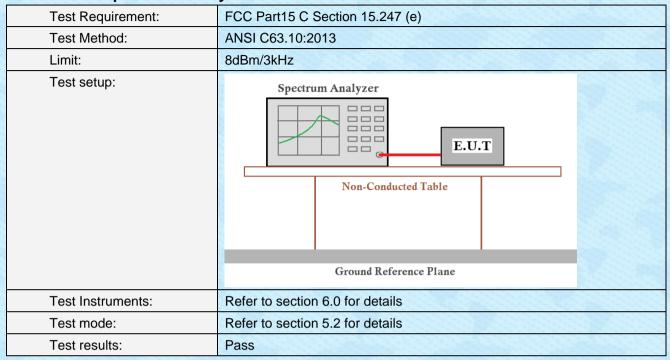


7.4 Channel Bandwidth





7.5 Power Spectral Density





7.6 Carrier Frequencies Separation

Test Requirement:	FCC Part15 C Section 15.247 (a)(1)		
Test Method:	ANSI C63.10:2013		
Receiver setup:	RBW=30KHz, VBW=100KHz, detector=Peak		
Limit:	0.025MHz or 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		

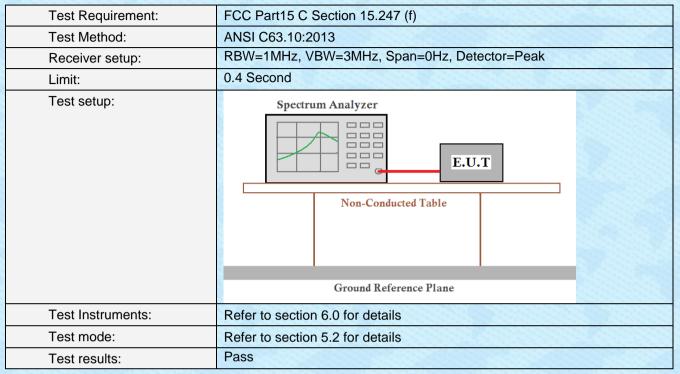


7.7 Hopping Channel Number

Test Requirement:	FCC Part15 C Section 15.247 (a)(1)(i)	
Test Method:	ANSI C63.10:2013	
Receiver setup:	RBW=30kHz, VBW=100kHz, Frequency range=901MHz-916MHz, Detector=Peak	
Limit:	Report for Use	
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 Dwell Time





7.9 Spurious Emission

7.9.1 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	



7.9.2 Radiated Emission Method

Test Requirement: FCC Part15 C Section 15 209 and 15 205	7.9.2 Radiated Emission Me	ethod					
Test site: Measurement Distance: 3m	Test Requirement:	FCC Part15 C Section 15.209 and 15.205					
Frequency	Test Method:	ANSI C63.10:2013					
SKHz-150KHz	Test site:	Measurement Distar	nce: 3	3m			
150KHz-30MHz	Receiver setup:	Frequency	D	etector	RBW	VBW	Value
30MHz-1GHz		9KHz-150KHz	Qu	asi-peak	200Hz	600Hz	Quasi-peak
Above 1GHz		150KHz-30MHz	Qu	asi-peak	9KHz	30KHz	Quasi-peak
Above 1GHz		30MHz-1GHz	Qu	asi-peak	120KH	z 300KHz	Quasi-peak
Peak 1MHz 10Hz Average Average Measurement Distance 0.009MHz-0.490MHz 2400/F(KHz) QP/PK/AV 300m 0.490MHz-1.705MHz 24000/F(KHz) QP 300m 1.705MHz-30MHz 30 QP 30m 30MHz-88MHz 100 QP 88MHz-216MHz 150 QP 216MHz-960MHz 200 QP 960MHz-1GHz 500 Average Above 1GHz 500 Average S000 Peak Test Antenna Average Averag		Above 1GHz		Peak	1MHz	3MHz	Peak
Company Comp		710070 10112		Peak	1MHz	10Hz	Average
0.490MHz-1.705MHz 24000/F(KHz) QP 300m 1.705MHz-30MHz 30 QP 30m 30MHz-88MHz 100 QP 88MHz-216MHz 150 QP 216MHz-960MHz 200 QP 960MHz-1GHz 500 QP Above 1GHz 5000 Peak Test setup: Below 30MHz Comparison of the		Frequency		Limit (u\	//m)	Value	
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 Below 1GHz Som Test Antenna		0.009MHz-0.490MHz 2400/F(KHz) QP/PK/AV 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 Below 1GHz Som > Test Antenna Test Antenna		0.490MHz-1.705MHz 24000/F(KHz) QP 300m					300m
88MHz-216MHz 150 QP 216MHz-960MHz 200 QP 960MHz-1GHz 500 QP Above 1GHz 5000 Average 5000 Peak Test setup: Below 30MHz Som > Test Antenna Receiver Test Antenna							30m
216MHz-960MHz 960MHz-1GHz 500 QP Above 1GHz 500 Average 5000 Peak Test setup: Below 30MHz Test Antenna Receiver Below 1GHz Below 1GHz Som > Test Antenna							
960MHz-1GHz 500 QP Above 1GHz 500 Average 5000 Peak Test setup: Below 30MHz Som Som Test Antenna Tes							
960MHz-1GHz 500 QP Above 1GHz 500 Average 5000 Peak Test setup: Below 30MHz		3m					
Above 1GHz Test setup: Below 30MHz Som > Tum Table Test Antenna							
Test setup: Below 30MHz Compared to the content of the content		Above 1GHz					
Som > Test Antenna Receiver Receiver Tum Table Test Antenna Test Antenna		5000 Peak					
Receiver Preamplifier		Test Antenna Receiver Receiver Test Antenna					
		÷		Receiver	Pream	plifier.	



Report No.: GTSL2024060249F01 Above 1GHz Test Antenna-< 1m 4m > EUT. Tum Table -150cm Receiver Preamplifier. Test Procedure: 1. 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. 52% Press.: 1 012mbar 25 °C Humid .: Temp.: Test results: **Pass** Test voltage: AC 120V, 60Hz

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:

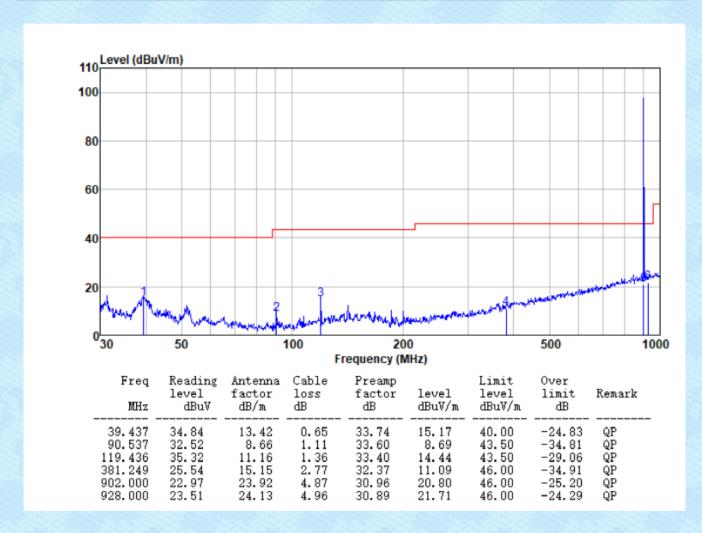
■ Below 30MHz

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.



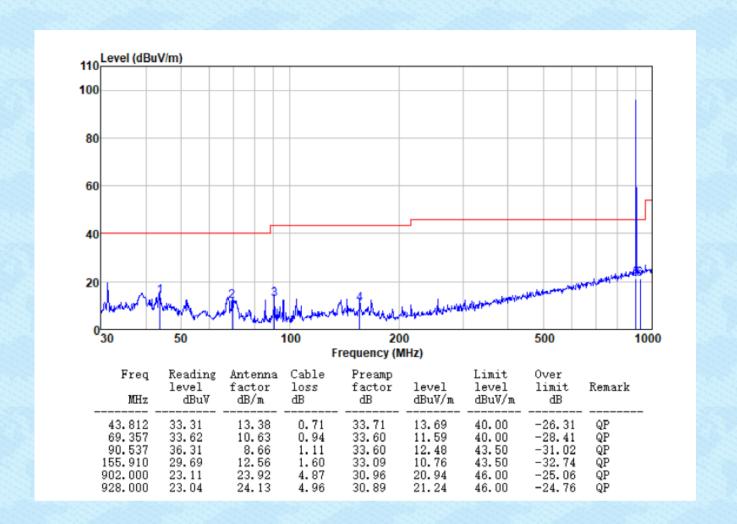
- 30MHz ~ 1GHz
- FHSS

Test channel: Lowest Polarization: Horizontal



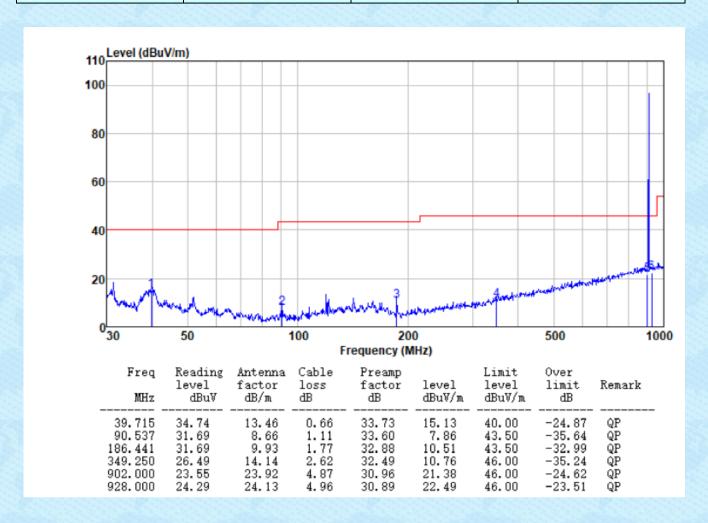


Test channel:	Lowest	Polarization:	Vertical
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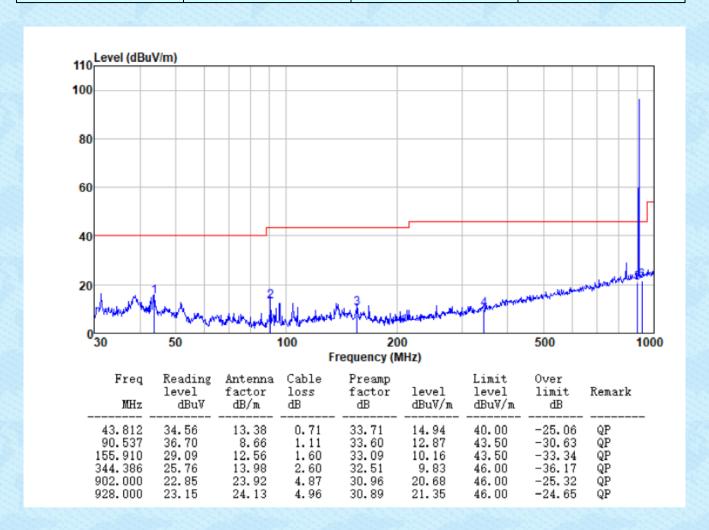


Test channel:	Middle	Polarization:	Horizontal
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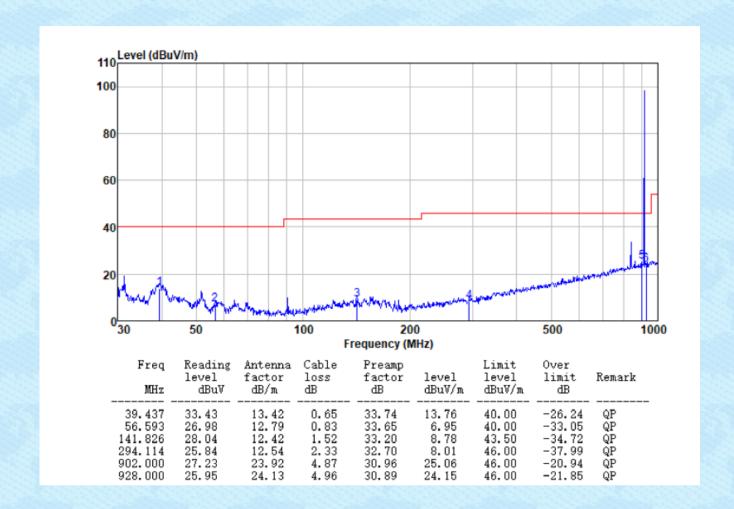


i i i i i i i i i i i i i i i i i i i	8	Test channel:	Middle	Polarization:	Vertical
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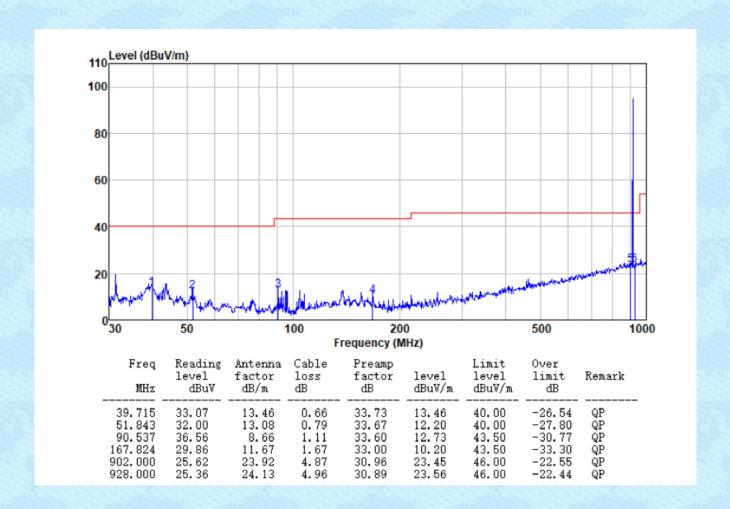


8	Test channel:	Highest	Polarization:	Horizontal





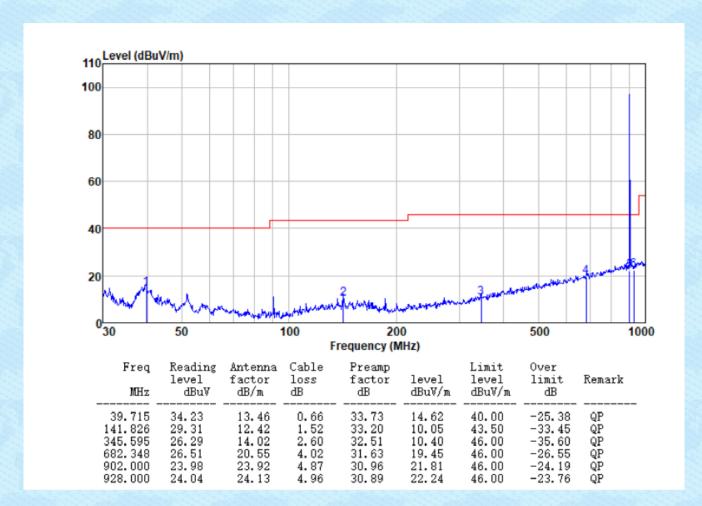
Tighest Folanzation. Vertical		Test channel:	Highest	Polarization:	Vertical
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■ DTS

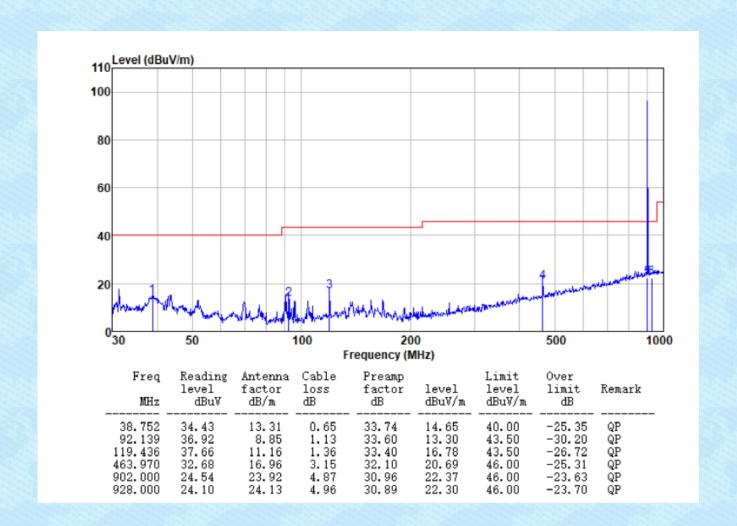
Test channel:	Lowest	Polarization:	Horizontal
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Telephone: +86 (0) 755 2779 8480 Fax: +86 (0) 755 2779 8960

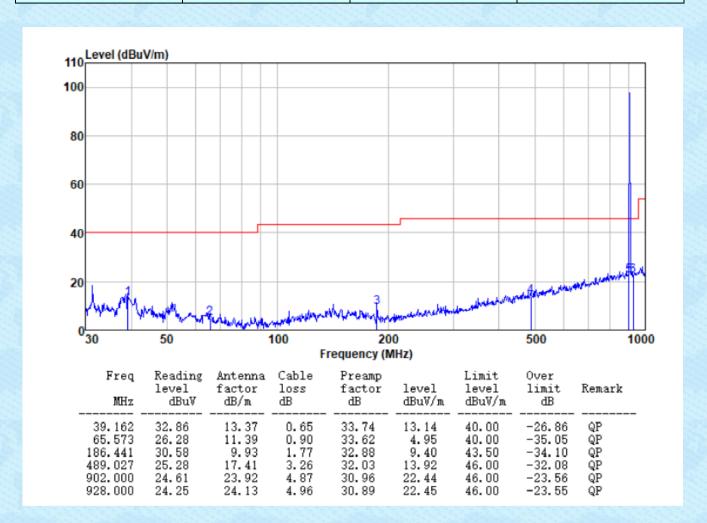


Test channel:	Lowest	Polarization:	Vertical
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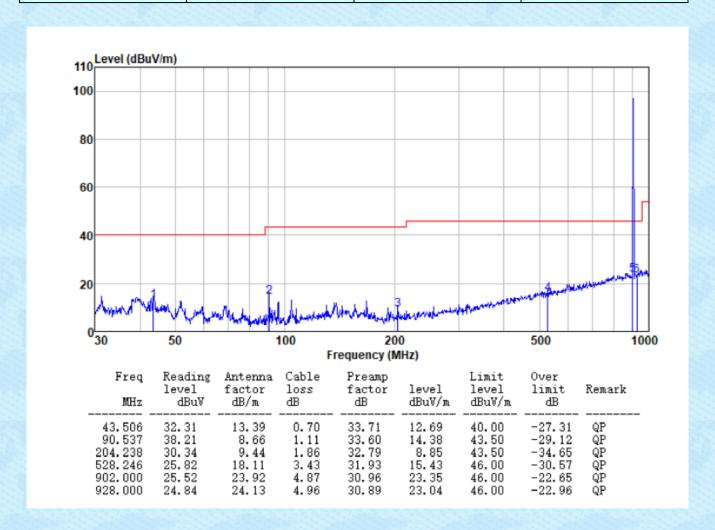


Test channel:	Middle	Polarization:	Horizontal
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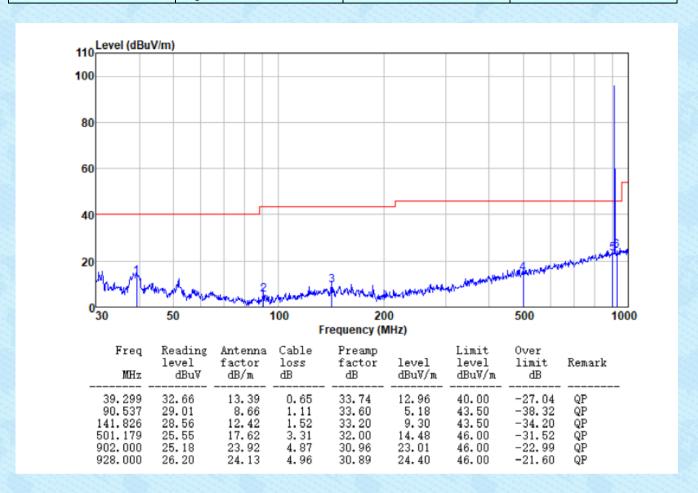


est channel:	Middle	Polarization:	Vertical
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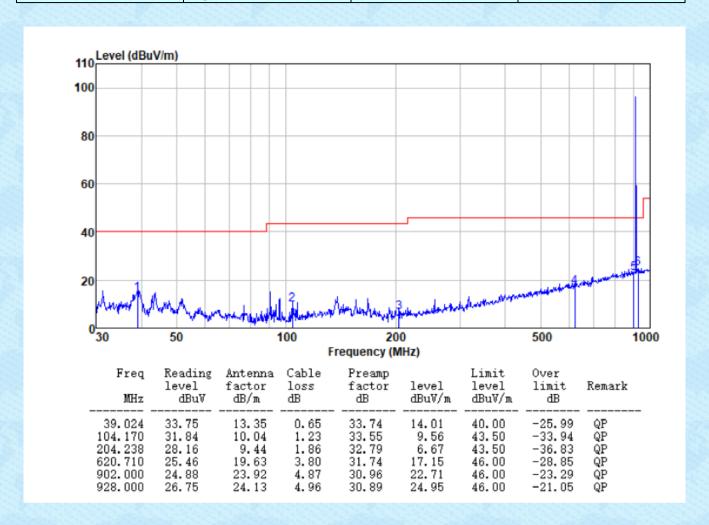


est channel: Highest	Polarization:	Horizontal
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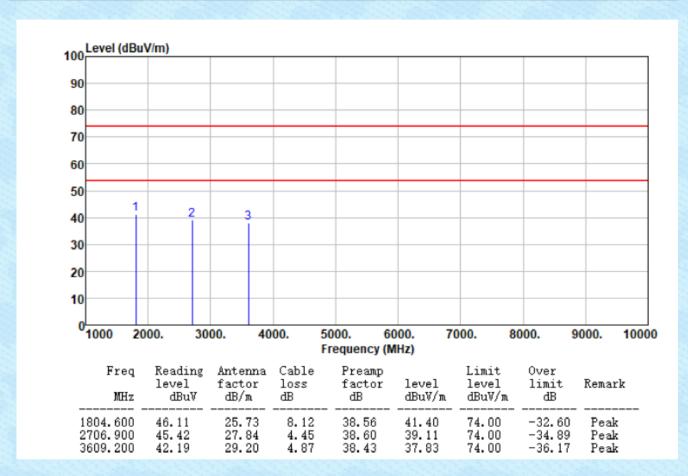
		Test channel:	Highest	Polarization:	Vertical	
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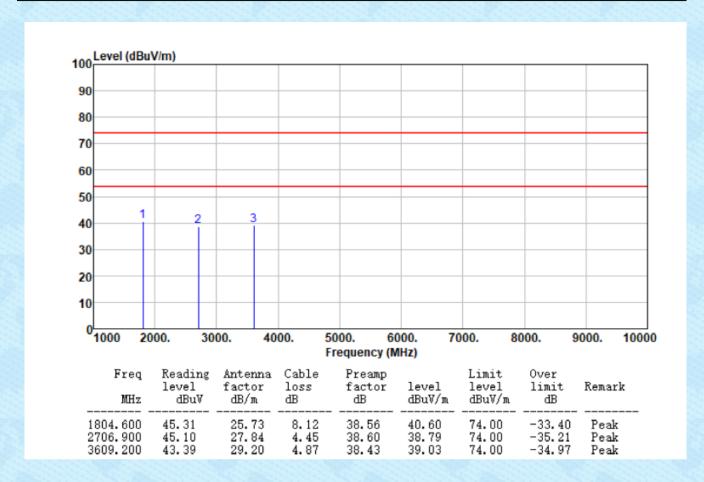
- Above 1GHz
- FHSS

Test channel: Lowest Polarization: Horizontal



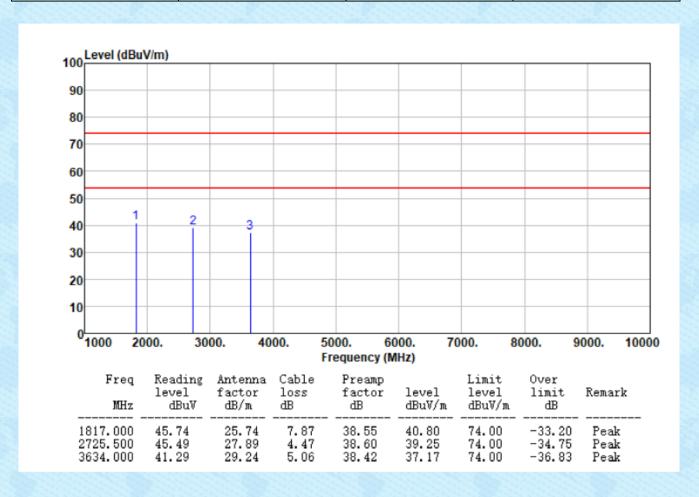


Test channel:	Lowest	Polarization:	Vertical	



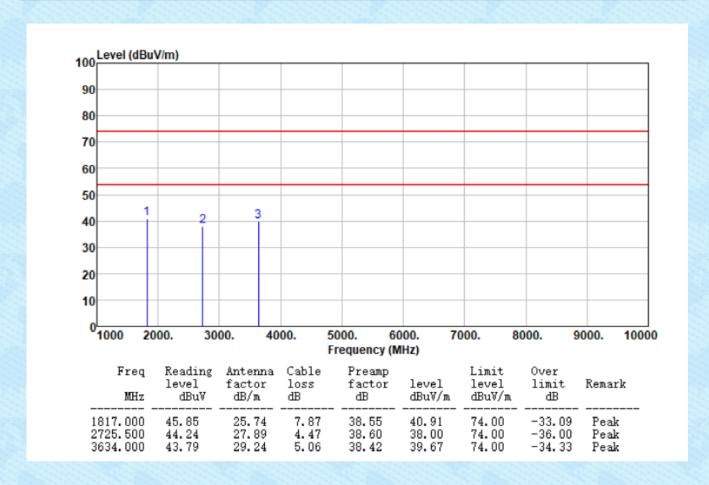


Test channel: Middle Polarization: Horizontal



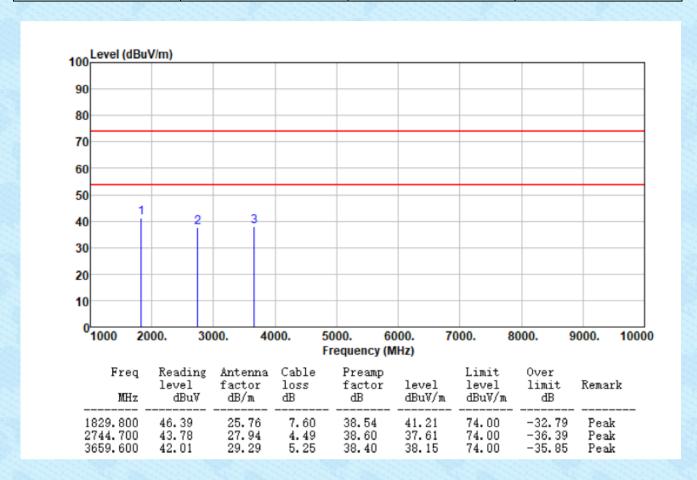


Test channel:	Middle	Polarization:	Vertical



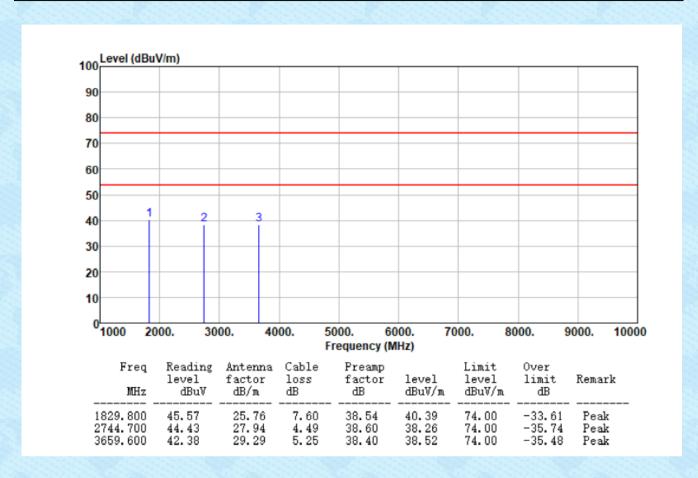


nannel: Highest	Polarization:	Horizontal
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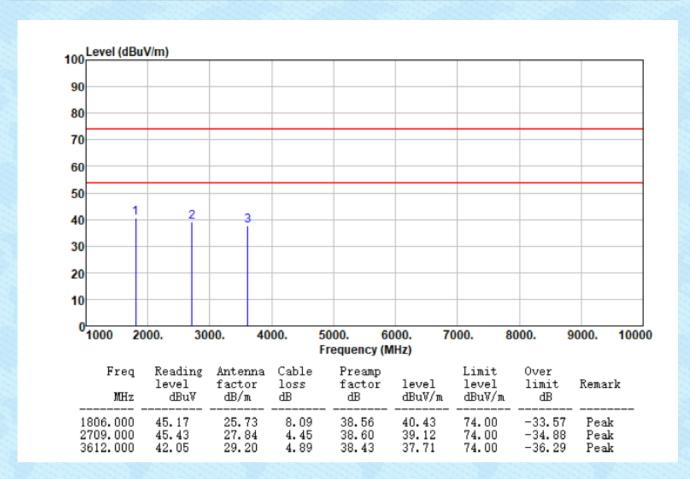
9	Test channel:	Highest	Polarization:	Vertical	
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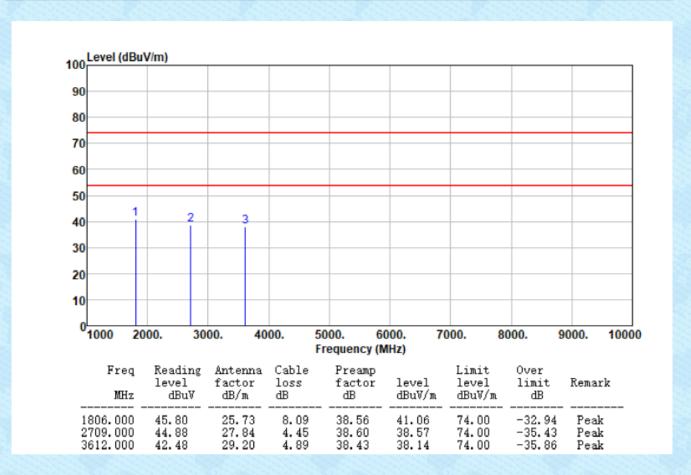
DTS

Test channel:	Lowest	Polarization:	Horizontal
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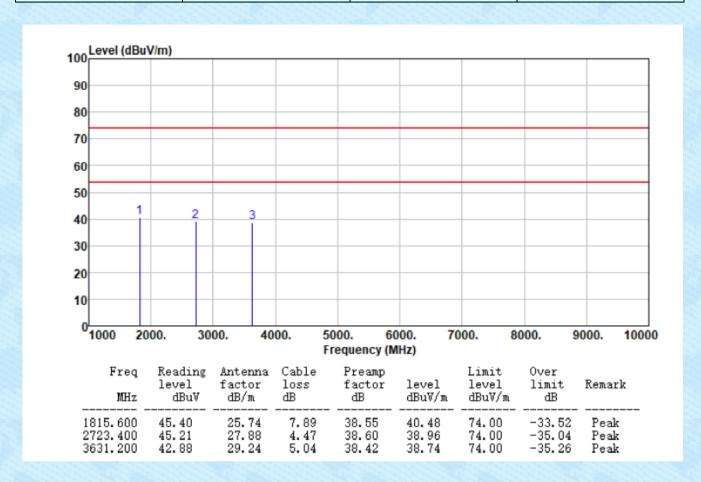


Test channel:	Lowest	Polarization:	Vertical
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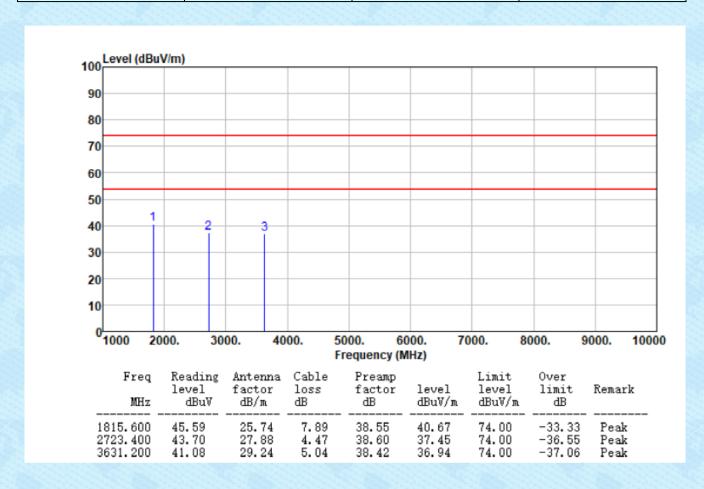


est channel:	Middle	Polarization:	Horizontal
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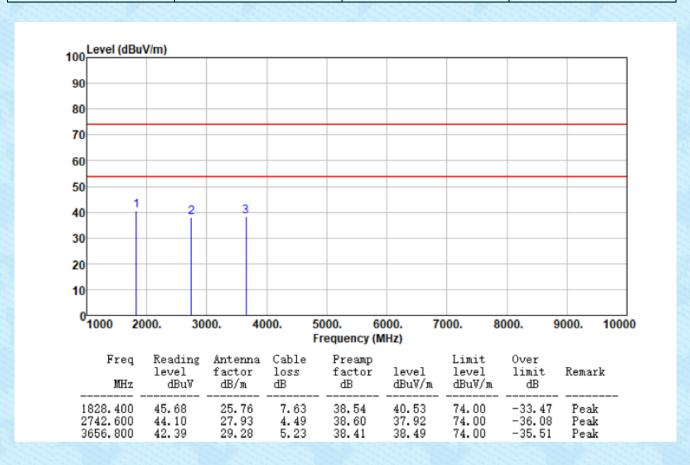


Test channel:	Middle	Polarization:	Vertical	
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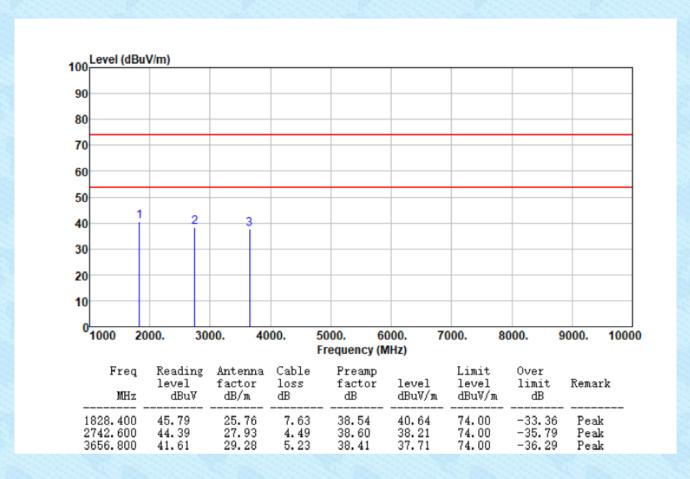


est channel: Highest	Polarization:	Horizontal	
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hannel: Highest	Polarization:	Vertical	
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Remark:

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



8 Test Setup Photo

Reference to the appendix I for details.

9 EUT Constructional Details

Reference to the appendix II for details.

---End---