

## **TEST REPORT**

Applicant:	HANSHOW TECHNOLOGY CO., LTD.			
Address of Applicant:	Building 1(IF podium building and 4F) and Building 5 (7F) Jiaxing Photovolta High-tech Park, No., 1288 Kanghe Rd. Xiuzhou District, Jiaxing, Zhejiang, China			
Manufacturer/Factory:	HANSHOW TECHNOLOGY CO., LTD.			
Address of Manufacturer/Factory:	Building 1(IF podium building and 4F) and Building 5 (7F) in Jiaxing Photovolta High-tech Park, No., 1288 Kanghe Rd., Xiuzhou District, Jiaxing, Zhejiang, China			
Equipment Under Test (E	EUT)			
Product Name:	digital signage			
Model No.:	Lumina Aqua 1010-X2, Lumina Aqua 1010-D2			
FCC ID:	2AYMH-LUMINA-X2			
Applicable standards:	FCC CFR Title 47 Part 15 Subpart C Section 15.247			
Date of sample receipt:	August 29, 2022			
Date of Test:	August 29, 2022-October 18, 2022			
Date of report issued:	October 19, 2022			
Test Result :	PASS *			

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

Authorized Signature:



Laboratory Manager

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#### 2 Version

Version No.	Date	Description
00	October 19, 2022	Original

**Prepared By:** 

Per en

Date:

October 19, 2022

**Project Engineer** 

Check By:

opinson (und Date:

Reviewer

October 19, 2022

## Report No.: GTS202208000257F01

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## 4 Test Summary

Test Item	Section	Result
Antenna requirement	FCC part 15.203/15.247 (c)	Pass
AC Power Line Conducted Emission	FCC part 15.207	Pass
Conducted Peak Output Power	FCC part 15.247 (b)(3)	Pass
Channel Bandwidth & 99% OCB	FCC part 15.247 (a)(2)	Pass
Power Spectral Density	FCC part 15.247 (e)	Pass
Band Edge	FCC part 15.247(d)	Pass
Spurious Emission	FCC part 15.205/15.209	Pass

Remark: Test according to ANSI C63.10:2013

Pass: The EUT complies with the essential requirements in the standard.

#### **Measurement Uncertainty**

3.1dB 3.8039dB 3.9679dB	(1) (1) (1)
3.9679dB	(1)
4.29dB	(1)
3.30dB	(1)
3.44dB	(1)
	3.30dB



## **5** General Information

## 5.1 General Description of EUT

digital signage		
umina Aqua 1010-X2, Lumina Aqua 1010-D2		
umina Aqua 1010-X2		
identical in the same PCB layout, interior structure and electrical circuits.		
e color and model name for commercial purpose.		
GTS202208000257-1		
Engineer sample		
N/A		
802.11b/802.11g/802.11n(HT20): 2412MHz~2462MHz		
11		
5MHz		
802.11b: Direct Sequence Spread Spectrum (DSSS)		
802.11g/802.11n(HT20):		
Orthogonal Frequency Division Multiplexing (OFDM)		
PCB IFA Antenna		
1.88dBi		
DC 12V		

Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2412MHz	4	2427MHz	7	2442MHz	10	2457MHz
2	2417MHz	5	2432MHz	8	2447MHz	11	2462MHz
3	2422MHz	6	2437MHz	9	2452MHz		

Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Test shannel	Frequency (MHz)
Test channel	802.11b/802.11g/802.11n(HT20)
Lowest channel	2412MHz
Middle channel	2437MHz
Highest channel	2462MHz



### 5.2 Test mode

Transmitting mode Keep the EUT in continuously transmitting mode				
We have verified the with the EUT in transpondent				
Pre-scan all kind of d	ata rate in lowest cha	annel, and found the	follow list which it wa	s worst case.
Mode	802.11b	802.11g	802.11n(HT20)	
Data rate	1Mbps	6Mbps	6.5Mbps	

### 5.3 Description of Support Units

Manufacturer	Description	Model	Serial Number	
N/A	ADAPTER	N/A	N/A	

### 5.4 Deviation from Standards

None.

### 5.5 Abnormalities from Standard Conditions

#### None.

### 5.6 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).

#### 5.7 Test Location

All 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

#### 5.8 Additional Instructions

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



## 6 Test Instruments list

Rad	iated Emission:					
ltem	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	April 22, 2022	April 21, 2023
4	BiConiLog Antenna	SCHWARZBECK MESS-ELEKTRONIK	VULB9168	GTS640	March 21, 2022	March 20, 2023
5	Double -ridged waveguide horn	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120 D	GTS208	June 12, 2022	June 11, 2023
6	Horn Antenna	ETS-LINDGREN	3160	GTS217	June 23, 2022	June 22, 2023
7	EMI Test Software	AUDIX	E3	N/A	N/A	N/A
8	Coaxial Cable	GTS	N/A	GTS213	April 22, 2022	April 21, 2023
9	Coaxial Cable	GTS	N/A	GTS211	April 22, 2022	April 21, 2023
10	Coaxial cable	GTS	N/A	GTS210	April 22, 2022	April 21, 2023
11	Coaxial Cable	GTS	N/A	GTS212	April 22, 2022	April 21, 2023
12	Amplifier(100kHz-3GHz)	HP	8347A	GTS204	April 22, 2022	April 21, 2023
13	Amplifier (18-26GHz)	Rohde & Schwarz	AFS33-18002 650-30-8P-44	GTS218	June 23, 2022	June 22, 2023
14	Band filter	Amindeon	82346	GTS219	June 23, 2022	June 22, 2023
15	Power Meter	Anritsu	ML2495A	GTS540	June 23, 2022	June 22, 2023
16	Power Sensor	Anritsu	MA2411B	GTS541	June 23, 2022	June 22, 2023
17	Wideband Radio Communication Tester	Rohde & Schwarz	CMW500	GTS575	April 22, 2022	April 21, 2023
18	Splitter	Agilent	11636B	GTS237	June 23, 2022	June 22, 2023
19	Loop Antenna	ZHINAN	ZN30900A	GTS534	Nov. 30, 2021	Nov. 29, 2022
20	Broadband Preamplifier	SCHWARZBECK	BBV9718	GTS535	April 22, 2022	April 21, 2023
21	Breitband hornantenna	SCHWARZBECK	BBHA 9170	GTS579	Oct. 16, 2022	Oct. 15, 2023
22	Amplifier	TDK	PA-02-02	GTS574	Oct. 16, 2022	Oct. 15, 2023
23	Amplifier	TDK	PA-02-03	GTS576	Oct. 16, 2022	Oct. 15, 2023
24	PSA Series Spectrum Analyzer	Rohde & Schwarz	FSP	GTS578	June 23, 2022	June 22, 2023
25	Amplifier(1GHz-26.5GHz)	HP	8449B	GTS601	April 22, 2022	April 21, 2023



Con	ducted 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 14, 2022	May 13, 2025
2	EMI Test Receiver	R&S	ESCI 7	GTS552	April 24, 2022	April 23, 2023
3	Coaxial Switch	ANRITSU CORP	MP59B	GTS225	June 23, 2022	June 22, 2023
4	ENV216 2-L-V- NETZNACHB.DE	ROHDE&SCHWARZ	ENV216	GTS226	April 22, 2022	April 21, 2023
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	JINCHUANG	GSP-8A	GTS639	April 28, 2022	April 27, 2023
8	Absorbing clamp	Elektronik- Feinmechanik	MDS21	GTS229	April 15, 2022	April 14, 2023
9	ISN	SCHWARZBECK	NTFM 8158	GTS565	April 22, 2022	April 21, 2023
10	High voltage probe	SCHWARZBECK	TK9420	GTS537	April 22, 2022	April 21, 2023
10	righ voltage probe	JUNIVARZDEUK	17.9420	613537	April 22, 2022	April 21, 202

RF C	RF Conducted Test:								
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Cal.Date (mm-dd-yy)	Cal.Due date (mm-dd-yy)			
1	MXA Signal Analyzer	Agilent	N9020A	GTS566	April 22, 2022	April 21, 2023			
2	EMI Test Receiver	R&S	ESCI 7	GTS552	April 22, 2022	April 21, 2023			
3	Spectrum Analyzer	Agilent	E4440A	GTS536	April 22, 2022	April 21, 2023			
4	MXG vector Signal Generator	Agilent	N5182A	GTS567	April 22, 2022	April 21, 2023			
5	ESG Analog Signal Generator	Agilent	E4428C	GTS568	April 22, 2022	April 21, 2023			
6	USB RF Power Sensor	DARE	RPR3006W	GTS569	April 22, 2022	April 21, 2023			
7	RF Switch Box	Shongyi	RFSW3003328	GTS571	April 22, 2022	April 21, 2023			
8	Programmable Constant Temp & Humi Test Chamber	WEWON	WHTH-150L-40-880	GTS572	April 22, 2022	April 21, 2023			

Ger	General used equipment:							
ltem	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	April 25, 2022	April 24, 2023		
2	Barometer	KUMAO	SF132	GTS647	July 26, 2022	July 25, 2023		



## 7 Test results and Measurement Data

## 7.1 Antenna requirement

Standard requirement:	FCC Part15 C Section 15.203 /247(c)							
15.203 requirement:	15.203 requirement:							
responsible party shall be us antenna that uses a unique	be designed to ensure that no antenna other than that furnished by the sed with the device. The use of a permanently attached antenna or of an coupling to the intentional radiator, the manufacturer may design the unit n be replaced by the user, but the use of a standard antenna jack or bited.							
15.247(c) (1)(i) requiremen	15.247(c) (1)(i) requirement:							
operations may employ trans	2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point smitting antennas with directional gain greater than 6dBi provided the power of the intentional radiator is reduced by 1 dB for every 3 dB that the na exceeds 6dBi.							
EUT Antenna:	EUT Antenna:							
The antenna is PCB IFA antenn	na, reference to the appendix II for details							



## 7.2 Conducted Emissions

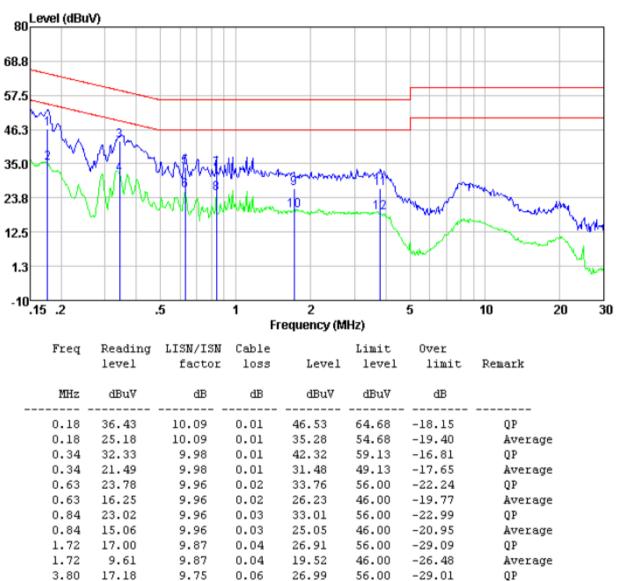
Test Requirement:	FCC Part15 C Section 15.207						
Test Method:	ANSI C63.10:2013						
Test Frequency Range:	150KHz to 30MHz						
Receiver setup:	RBW=9KHz, VBW=30KHz, Sv	weep time=auto					
Limit:		Limit	(dBuV)				
	Frequency range (MHz)	Quasi-peak	Average				
	0.15-0.5	66 to 56*	56 to 46*				
	0.5-5	56	46				
	5-30     60     50       * Decreases with the logarithm of the frequency.						
Test setup:	Reference Plane	n or the frequency.					
	Reference Plane						
Test procedure:	<ol> <li>The E.U.T and simulators are connected to the main power through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm/50uH coupling impedance for the measuring equipment.</li> <li>The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refer to the block diagram of the test setup and photographs).</li> <li>Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10:2013 on conducted measurement.</li> </ol>						
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						

#### Measurement data

3.80

9.03

#### Line:



46.00

-27.16

9.75

0.06

18.84

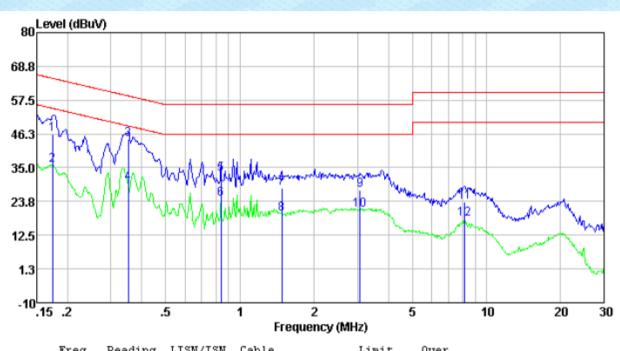
Report No.: GTS202208000257F01

Average



#### Neutral:

### Report No.: GTS202208000257F01



	rreq	Reading	TI2N\I2N	Cable		Limit	Uver	
		level	factor	loss	Level	level	limit	Remark
_	MHz	dBuV	dB	dB	dBuV	dBuV	dB	
	0.17	35.91	10.11	0.01	46.03	64.77	-18.74	QP
	0.17	25.70	10.11	0.01	35.82	54.77	-18.95	Average
	0.35	34.48	9.96	0.01	44.45	58.91	-14.46	QP
	0.35	19.87	9.96	0.01	29.84	48.91	-19.07	Average
	0.84	22.77	9.96	0.03	32.76	56.00	-23.24	QP
	0.84	14.66	9.96	0.03	24.65	46.00	-21.35	Average
	1.48	18.30	9.91	0.04	28.25	56.00	-27.75	QP
	1.48	9.71	9.91	0.04	19.66	46.00	-26.34	Average
	3.07	18.03	9.46	0.05	27.54	56.00	-28.46	QP
	3.07	11.22	9.46	0.05	20.73	46.00	-25.27	Average
	8.15	13.86	9.65	0.10	23.61	60.00	-36.39	QP
	8.15	8.13	9.65	0.10	17.88	50.00	-32.12	Average

#### 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 Output Power

Test Requirement :	FCC Part15 C Section 15.247 (b)(3)				
Test Method :	KDB558074 D01 15.247 Meas Guidance v05r02				
Limit:	30dBm				
Test setup:	Power Meter 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 Channel Bandwidth

Test Requirement :	FCC Part15 C Section 15.247 (a)(2)				
Test Method :	KDB558074 D01 15.247 Meas Guidance v05r02				
Limit:	>500KHz				
Test setup:	Spectrum Analyzer   F.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 Power Spectral Density

Test Requirement:	FCC Part15 C Section 15.247 (e)				
Test Method:	KDB558074 D01 15.247 Meas Guidance v05r02				
Limit:	8dBm/3kHz				
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 Spurious Emission in Non-restricted & restricted Bands

Test Requirement:	FCC Part15 C Section 15.247 (d)						
Test Method:	KDB558074 D01 15.247 Meas Guidance v05r02						
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 30 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 section 6.0 for details						
Test mode:	Refer to section 5.2 for details						
Test results:	Pass						

## 7.6.1 Conducted Emission Method

## 7.6.2 Radiated Emission Method

Test Requirement:	FCC Part15 C Section	on 15	5.209											
Test Method:	ANSI C63.10:2013	ANSI C63.10:2013												
Test Frequency Range:	9kHz to 25GHz	9kHz to 25GHz												
Test site:	Measurement Distar	nce: 3	3m											
Receiver setup:	Frequency	E	Detector	RB\	N	VBW	Value							
	9KHz-150KHz	9KHz-150KHz Quasi-peak 200Hz 600Hz					z Quasi-peak							
	150KHz-30MHz	150KHz-30MHz Quasi-peak 9k		9K⊢	łz	30KH	z Quasi-peak							
	30MHz-1GHz	Qu	uasi-peak	120K	Hz	300KH	Iz Quasi-peak							
	Above 1GHz		Peak	1MF	Ηz	3MHz	z Peak							
			Peak	1MF	1	10Hz	9							
	Note: For Duty cycl cycle < 98%, avera													
Limit:	Frequency Limit (uV/m) Value Measurement Distance													
	0.009MHz-0.490M	0.009MHz-0.490MHz 2400/F(KHz) V				300m								
	0.490MHz-1.705M	IHz	24000/F(	KHz)	(Hz) QP		30m							
	1.705MHz-30MH	lz	30		QP		30m							
	30MHz-88MHz		100			QP								
	88MHz-216MHz	2	150		QP									
	216MHz-960MH	z	200	300-53		QP	3m							
	960MHz-1GHz		500			QP								
	Above 1GHz		500	Average										
			5000		F	Peak								
Test setup:	For radiated emiss	sions	from 9kH	z to 30	)MH	z								
		11111	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	****	//////									
	< 3m >													
	Turn Table													
	< 80cm > Tum Table-'													
	=	ione	from 20M	Receiver	52.52									
	For radiated emiss	sions			GH.	2	For radiated emissions from 30MHz to1GHz							

GTS Report No.: GTS202208000257F01 < 3m > Test Antenna < 1m ... 4m EUT Turn Table < 80cm > Tum Tables Receiver. Preamplifier. For radiated emissions above 1GHz < 3m > Test Antenna+ <1m...4m> EUT Turn Table 1 ~150cm Receiver+ Preamplifier+ Test Procedure: 1. The EUT was placed on the top of a rotating table (0.8m for below 1G and 1.5m for above 1G) 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 6.0 for details



Report No.: GTS202208000257F01						000257F01
Test mode:	Refer to section 5.2 for details					
Test environment:	Temp.:         25 °C         Humid.:         52%         Press.:         1012mbar					
Test voltage:	AC 120V, 60Hz					
Test results:	Pass					

Remarks:

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:

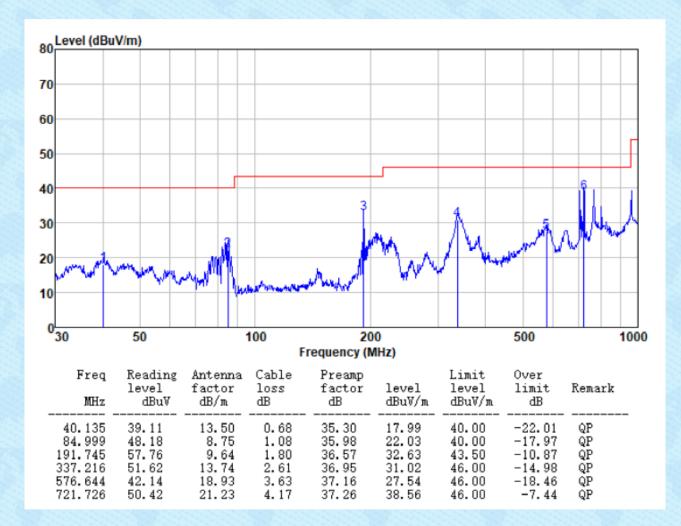
#### 9kHz~30MHz

The emission from 9 kHz to 30MHz was pre-tested and found the result was 20dB lower than the limit, and according to 15.31(o), the test result no need to reported.



Below 1GHz

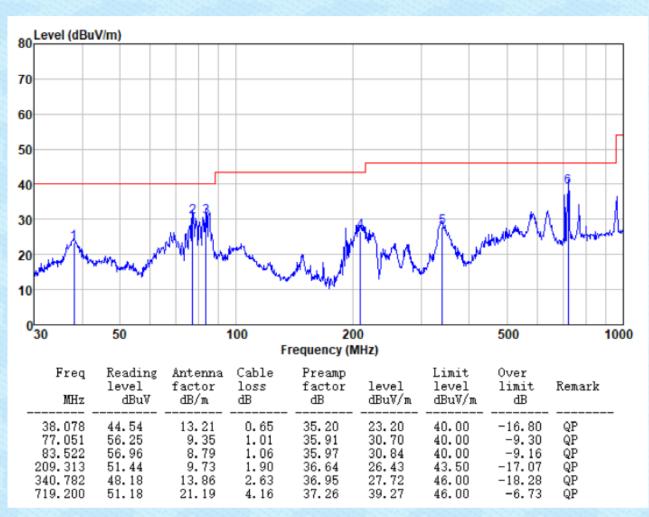
#### Horizontal:





#### Vertical:

#### Report No.: GTS202208000257F01





#### **Unwanted Emissions in non-restricted Frequency Bands**

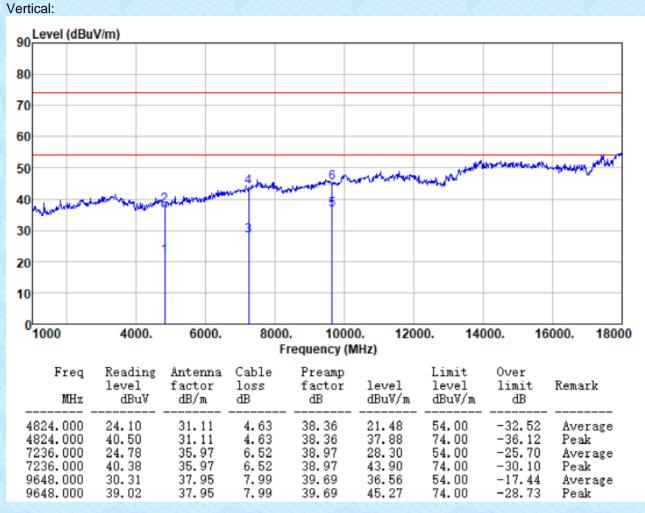
Pre-scan all test modes, found worst case at 802.11b, and so only show the test result of 802.11b.

#### Above 1GHz

Test mode:	802.11b	Test channel:	Lowest

#### Horizontal: Level (dBuV/m) 90 80 70 60 50 40 30 20 10 0<sup>L</sup> 1000 4000. 6000. 8000. 12000. 14000. 10000. 16000. 18000 Frequency (MHz) Freq Reading Antenna Cable Preamp Limit 0ver factor level factor loss level level limit Remark MHz dBu∛ dB/m dB dBu∛/m dBu∛/m dB dB 54.00 4824.000 26.4031.11 38.36 23.78 -30.224.63 Average 4824.000 48.13 31.11 4.63 38.36 45.51 74.00-28.49Peak 38.97 27.84 7236.000 24.32 35.97 6.52 54.00 -26.16Average 6.52 7236.000 35.97 38.97 74.00 40.94 44.46 -29.54Peak 9648.000 37.95 28.32 7.99 39.69 34.57 54.00 -19.43Average 9648.000 40.22 37.95 7.99 39.69 46.4774.00 -27.53Peak

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Report No.: GTS202208000257F01

Test mode:	802.11b	Test channel:	Middle

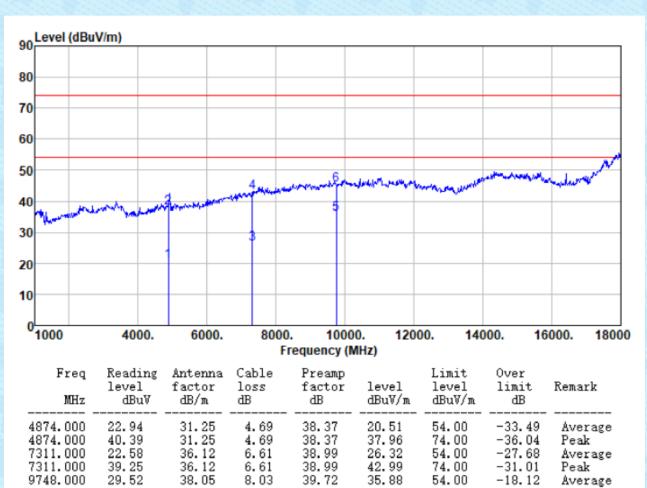
Horizontal:

9748.000

38.84

38.05

8.03



39.72

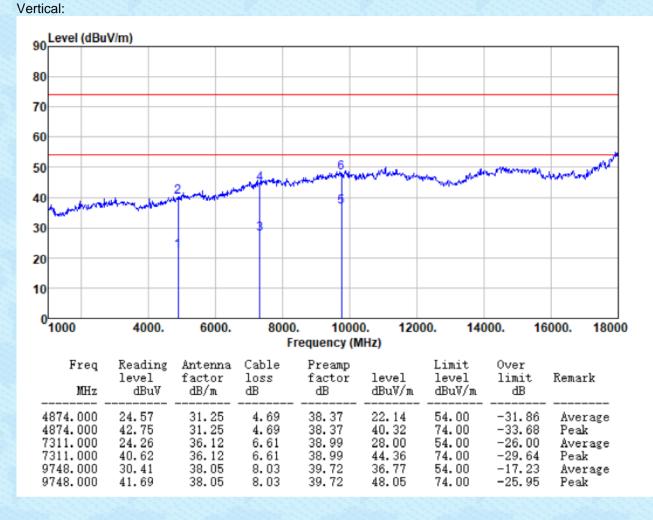
45.20

74.00

-28.80

Peak

Report No.: GTS202208000257F01

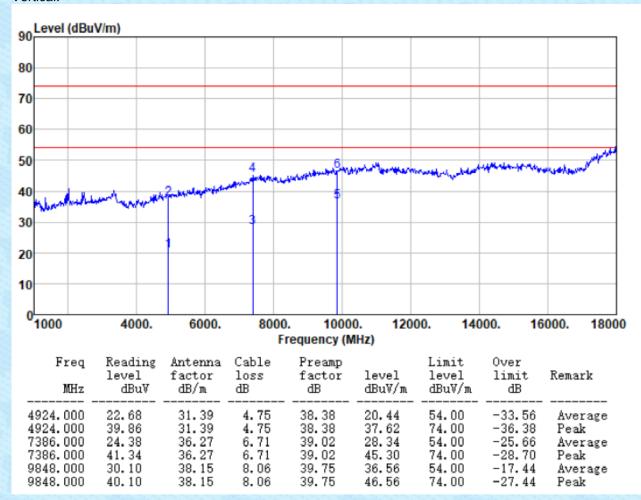


Report No.: GTS202208000257F01

Test mode:		802.11b		Test	channel:		Highest	
Horizontal: 90 Level (dBu	V/m)							
80								
60 50			a Anna	meriourfun	at Marsha	معاريه والمعارية	the superior of the second	and an a start and a start and a
40 30 20	and had a surger and the	Brankly Lakel		5				
10								
<sup>0</sup> 1000 4000. 6000. 8000. 10000. 12000. 14000. 16000. 18000 Frequency (MHz)								
Freq MHz	Reading level dBuV	Antenna factor dB/m	Cable loss dB	Preamp factor dB	level dBu∛/m	Limit level dBuV/m	Over limit dB	Remark
4924.000 4924.000 7386.000 7386.000 9848.000 9848.000	24.40 40.43 24.46 39.45 28.08 38.80	31.39 31.39 36.27 36.27 38.15 38.15	4.75 4.75 6.71 6.71 8.06 8.06	38.38 38.38 39.02 39.02 39.75 39.75	22.16 38.19 28.42 43.41 34.54 45.26	54.00 74.00 54.00 74.00 54.00 74.00 74.00	-31.84 -35.81 -25.58 -30.59 -19.46 -28.74	Average Peak Average Peak Average Peak

Vertical:

Report No.: GTS202208000257F01



### Vertical:

Notes:

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.

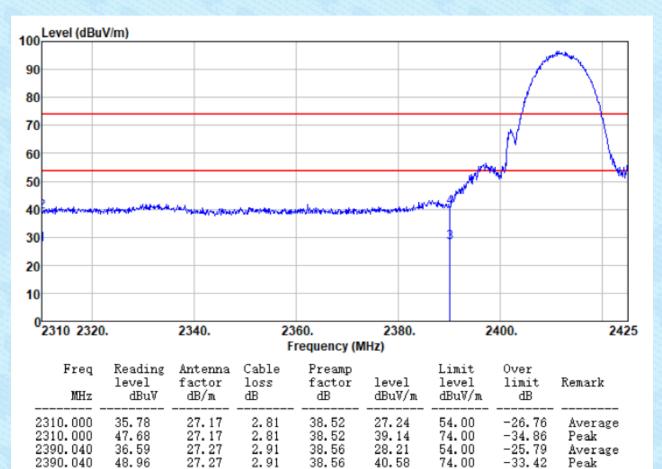


#### Unwanted Emissions in restricted Frequency Bands

#### Pre-scan all test modes, found worst case at 802.11b, and so only show the test result of 802.11b.

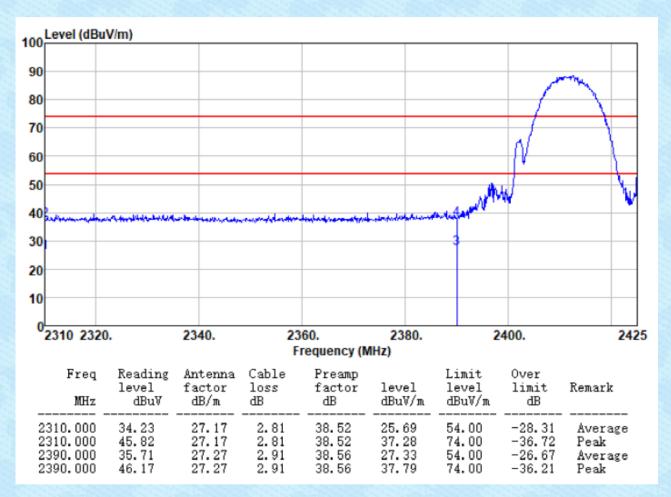
|--|

Horizontal:





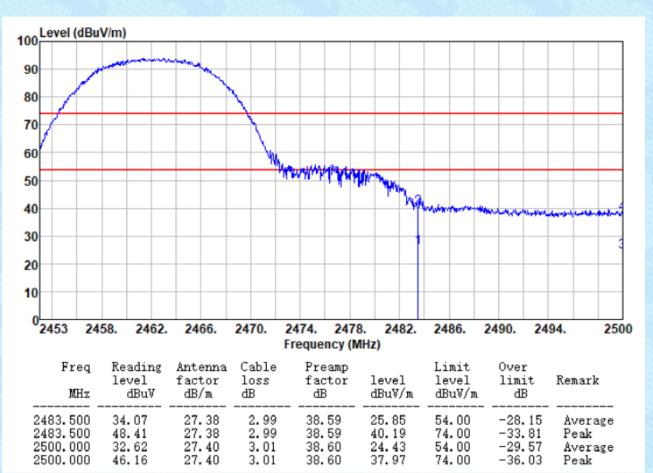
Vertical:



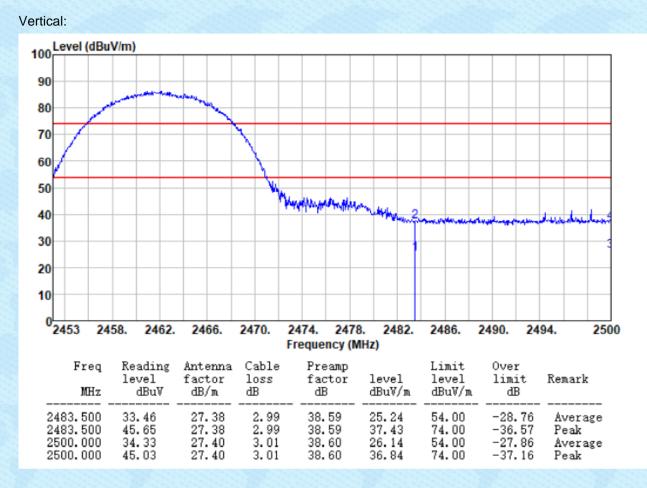


Test mode: 802.11b Test channel: Highest			
		Test channel:	

Horizontal:







#### 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.

Report No.: GTS202208000257F01

## 8 Test Setup Photo

Reference to the appendix I for details.

## 9 EUT Constructional Details

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

-----End-----