

TEST REPORT

Report No.:	8225EU012405W1				
Applicant:	Shenzhen Qianyan Technology LTD				
Address:	No.3301,Block C,Section 1,Chuangzhi Yuncheng Building,Liuxian Avenue,Xili Community,Xili Street, Nanshan District,Shenzhen 518000 China				
Product Name:	Govee RGB LED Strip Light				
Model No.:	H615E (refer to clause 2.4)				
Trademark:	Govee				
FCC ID:	2A7VD-H615EA				
Test Standard(s):	47 CFR Part 15 Subpart C				
Date of Receipt:	Jan. 24, 2024				
Test Date:	Jan. 24, 2024 – Jul. 23, 2024				
Date of Issue:	Sep. 14, 2024				

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Prepared by:

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Revision Record

Report Version	Issued Date	Description	Status
V0	Sep. 14, 2024	Original	Valid



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2 General Information

2.1 Applicant Information

Applicant	Shenzhen Qianyan Technology LTD
Address	No.3301,Block C,Section 1,Chuangzhi Yuncheng Building,Liuxian Avenue,Xili Community,Xili Street, Nanshan District,Shenzhen 518000 China

2.2 Manufacturer Information

Manufacturer	Shenzhen Qianyan Technology LTD
Address	No.3301,Block C,Section 1,Chuangzhi Yuncheng Building,Liuxian Avenue,Xili Community,Xili Street, Nanshan District,Shenzhen 518000 China

2.3 Factory Information

Factory	N/A
Address	N/A

2.4 General Description of E.U.T.

Product Name	Govee RGB LED Strip Light					
Model No. Under Test	H615E					
List Model No.	H615A, H615B, H615C, H615D, H6110, H6159, H614B, H614E					
Description of Model differentiation	All samples are the same, only the input current, adapter, lengths of light are different. The model differentiations will not affect RF parameters, so we prepare all models for Conducted Emission, Radiated Emission tests with their own adapters. And prepare "H615E" for RF test only.					
Rating(s)	Refer to the following detailed table.					
Product Type	Mobile Portable Fix Location					
Test Sample No.	-1/2(Normal Sample), -2/2(Engineering Sample)					
Hardware Version	H1001-3 V1.0					
Software Version	6.2.40					
Remark	For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.					

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Detailed table:

Model No.	Length of Light	Rating	Adapter Information
H615E	30m	24V 0.5A	Model No.: BI12G-240050-BdU Input: 100-240V~ 50/60Hz 0.5A Output: 24V=== 0.5A Manufacturer: Dong Guan Royal Intelligent Co., Ltd.
H615A	5m	24V 0.5A	Model No.: BI12G-240050-BdU Input: 100-240V~ 50/60Hz 0.5A Output: 24V=== 0.5A Manufacturer: Dong Guan Royal Intelligent Co., Ltd.
H615B	10m	24V 0.5A	Model No.: BI12G-240050-BdU Input: 100-240V~ 50/60Hz 0.5A Output: 24V=== 0.5A Manufacturer: Dong Guan Royal Intelligent Co., Ltd.
H615C	15m	24V=== 0.5A	Model No.: BI12G-240050-BdU Input: 100-240V~ 50/60Hz 0.5A Output: 24V=== 0.5A Manufacturer: Dong Guan Royal Intelligent Co., Ltd.
H615D	20m	24V 0.5A	Model No.: BI12G-240050-BdU Input: 100-240V~ 50/60Hz 0.5A Output: 24V=== 0.5A Manufacturer: Dong Guan Royal Intelligent Co., Ltd.
H6110	2*5m	24V 1.5A	Model No.: BI36GL-240150-AdU Input: 100-240V~ 50/60Hz 1.0A Output: 24V=== 1.5A Manufacturer: Dong Guan Royal Intelligent Co., Ltd.
H6159	5m	24V=== 0.75A	Model No.: YXTG18US-2400750 Input: 100-240V~ 50/60Hz 0.8A Max Output: 24.0V=== 0.75A 18.0W Manufacturer: SHENZHEN LINKSOONER TECHNOLOGY CO., LTD
H614B	2*10m	24V 1.5A	Model No.: BI36GL-240150-AdU Input: 100-240V~ 50/60Hz 1.0A Output: 24V 1.5A Manufacturer: Dong Guan Royal Intelligent Co., Ltd.
H614E	2*15m	24V 1.5A	Model No.: BI36GL-240150-AdU Input: 100-240V~ 50/60Hz 1.0A Output: 24V=== 1.5A Manufacturer: Dong Guan Royal Intelligent Co., Ltd.

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2.5 Technical Information of E.U.T.

Network and	Bluetooth (BLE)
Wireless Connectivity	WiFi 2.4G: 802.11b, 802.11g, 802.11n(HT20)

The requirement for the following technical information of the EUT was tested in this report:

Technology	Bluetooth
Operation Mode	BLE
Modulation Type	GFSK
Operating Frequency	2402-2480MHz
Transfer Rate	1 Mbps
Number of Channel	40
Antenna Type	PCB Antenna
Antenna Gain(Peak)	4.51 dBi

All channel was listed on the following table:

Channel	Freq. (MHz)								
00	2402	08	2418	16	2434	24	2450	32	2466
01	2404	09	2420	17	2436	25	2452	33	2468
02	2406	10	2422	18	2438	26	2454	34	2470
03	2408	11	2424	19	2440	27	2456	35	2472
04	2410	12	2426	20	2442	28	2458	36	2474
05	2412	13	2428	21	2444	29	2460	37	2476
06	2414	14	2430	22	2446	30	2462	38	2478
07	2416	15	2432	23	2448	31	2464	39	2480

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3 Test Summary

3.1 Test Standard

The tests were performed according to following standards:

No.	Identity	Document Title
1	47 CFR Part 15, Subpart C	Intentional radiators of radio frequency equipment
2	ANSI C63.10-2020	American National Standard for Testing Unlicensed Wireless Devices
3	KDB 558074 D01 15.247 Meas Guidance v05r02	Guidance for compliance measurements on digital transmission system, frequency hopping spread spectrum system, and hybrid system devices operating under section 15.247 of the FCC rules

Remark:

Maintenance of compliance is the responsibility of the manufacturer. Any modification of the product maybe which result in lowering the emission/immunity should be checked to ensure compliance has been maintained.

3.2 Test Verdict

No.	Description	FCC Part No.	Channel	Verdict	Remark
1	Antenna Requirement	15.203	N/A	Pass	Note ¹
2	Conducted Emission at AC Power Line	15.207	Low/Middle/High	Pass	
3	Occupied Bandwidth	15.247(a)(2)	Low/Middle/High	Pass	
4	Maximum Conducted Output Power	15.247(b)(3)	Low/Middle/High	Pass	
5	Power spectral density (PSD)	15.247(e)	Low/Middle/High	Pass	
6	Emissions in Non-restricted Frequency Bands (Conducted)	15.247(d)	Low/Middle/High	Pass	
7	Band Edge Emissions (Restricted frequency bands)	15.209 15.247(d)	Low/High	Pass	
8	Radiated Spurious Emission	15.209 15.247(d)	Low/Middle/High	Pass	
Noto	1. The EUT has a permanently and it	roplacoable attached	antonna which comp	lios with the	roquiromont

Note ¹: The EUT has a permanently and irreplaceable attached antenna, which complies with the requirement FCC 15.203.

3.3 Test Laboratory

Test Laboratory	Shenzhen EU Testing Laboratory Limited		
Address	101, Building B1, Fuqiao Fourth Area, Qiaotou Community, Fuhai Subdistrict, Baoan District, Shenzhen, Guangdong, China		
Designation Number	CN1368		
Test Firm Registration Number	952583		

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4 Test Configuration

4.1 Test Environment

During the measurement, the normal environmental conditions were within the listed ranges:

Relative Humidity	30% to 60%	
Atmospheric Pressure	86 kPa to 106 kPa	
Temperature	NT (Normal Temperature)	+15℃ to +35℃
Working Voltage of the EUT	NV (Normal Voltage)	120VAC, 60Hz for Adapter

4.2 Test Equipment

Conducted Emission at AC power line					
Equipment	Manufacturer	Model No	Serial No	Cal. Date	Cal. Due Date
L.I.S.N. Artificial Mains Network	Rohde & Schwarz	ENV216	EE-004	2024/01/09	2025/01/08
EMI Test Receiver	Rohde & Schwarz	ESCI	EE-005	2024/01/09	2025/01/08
Test Software	Farad	EZ-EMC	EE-014	N.C.R	N.C.R

Radiated Emission and RF Test					
Equipment	Manufacturer	Model No	Serial No	Cal Date	Cal Due Date
EMI Test Receiver	ROHDE & SCHWARZ	ESPI	EE-006	2024/01/09	2025/01/08
Bilog Broadband Antenna	SCHWARZBECK	VULB 9163	EE-007	2023/01/14	2026/01/13
Double Ridged Horn Antenna	A-INFOMW	LB-10180-NF	EE-008	2023/01/12	2026/01/11
Pre-amplifier	Agilent	8447D	EE-009	2024/01/09	2025/01/08
Pre-amplifier	Agilent	8449B	EE-010	2024/01/09	2025/01/08
MXA Signal Analyzer	Agilent	N9020A	EE-011	2024/01/09	2025/01/08
MXG RF Vector Signal Generator	Agilent	N5182A	EE-012	2024/01/09	2025/01/08
Test Software	Farad	EZ-EMC	EE-015	N.C.R	N.C.R
MIMO Power Measurement Module	TSTPASS	TSPS 2023R	EE-016	2024/01/09	2025/01/08
RF Test Software	TSTPASS	TS32893 V2.0	EE-017	N.C.R	N.C.R
Wideband Radio Communication Tester	ROHDE & SCHWARZ	CMW500	EE-402	2024/02/15	2025/02/14
Loop Antenna	TESEQ	HLA6121	EE-403	2024/02/15	2025/02/14
MXG RF Analog Signal Generator	Agilent	N5181A	EE-406	2024/02/15	2025/02/14
Constant Temperature Humidity Chamber	Guangxin	GXP-401	ES-002	2023/07/31	2024/07/30
Power Sensor	ROHDE&SCHWAR ZN	NRP18S	ES-052	2024/02/15	2025/02/14

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Address: 101, Building B1, Fuqiao Fourth Area, Qiaotou Community, Fuhai Subdistrict, Baoan District, Shenzhen, Guangdong, China



4.3 Description of Support Unit

No.	Title	Manufacturer	Model No.	Serial No.
1	Adapter	refer to clause 2.4	refer to clause 2.4	

4.4 Test Mode

No.	Test Modes	Description
TM1	TX-GFSK	Keep the EUT connect to AC power line and works in continuously transmitting mode with GFSK modulation with 1 Mbps rate.

4.5 Measurement Uncertainty

The following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Test Item	Measurement Uncertainty
Conducted Emission	2.64 dB
Occupied Channel Bandwidth	2.8 %
RF output power, conducted	0.68 dB
Power Spectral Density, conducted	1.37 dB
Unwanted Emissions, conducted	1.84 dB
Radiated Emission	Ur = 2.70 dB (Horizontal)
(30MHz- 1GHz)	Ur = 2.70 dB (Vertical)
Radiated Emission	Ur = 3.50 dB (Horizontal)
(1GHz- 18GHz)	Ur = 3.50 dB (Vertical)
Radiated Emission	Ur = 5.15 dB (Horizontal)
(18GHz- 40GHz)	Ur = 5.24 dB (Vertical)
Temperature	0.8°C
Humidity	4%

4.6 Deviation from Standards

None.

4.7 Abnormalities from Standard Condition

None.

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5 Test Items

5.1 Antenna requirement

5.1.1 Test Requirement

Test Requirement	According to FCC §15.203, 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 shall be considered sufficient to comply with the provisions of this section. 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. This requirement does not apply to carrier current devices or to devices operated under the provisions of § 15.211, § 15.213, § 15.217, § 15.219, or § 15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded. If directional gain of transmitting antennas is greater than 6 dBi, the power shall be
	If directional gain of transmitting antennas is greater than 6 dBi, the power shall be reduced by the same level in dB comparing to gain minus 6 dBi. For the fixed point- to-point operation, the power shall be reduced by one dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi. The use of a permanently attached
	antenna or of an antenna that uses a unique coupling to the intentional radiator
	shall be considered sufficient to comply with the FCC rule.

5.1.2 Antenna Anti-Replacement Construction

The Antenna Anti-Replacement as following method:

Protected Method	Description
The antenna is embedded in the product.	An embedded-in antenna design is used.

Reference Documents	Item
Photo	Please refer to the EUT Photo documents.

5.1.3 Antenna Gain

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit.

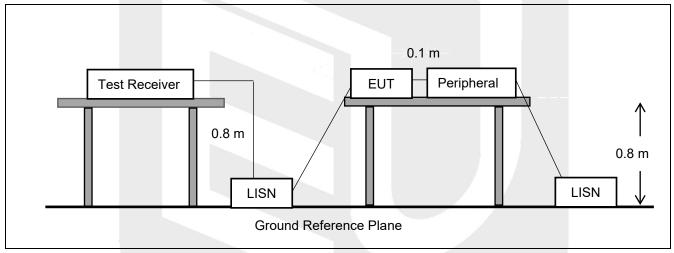
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5.2 Conducted Emission at AC Power Line

5.2.1 Test Requirement

Test Requirement	Except as shown in paragraphs (b)a that is designed to be connected to frequency voltage that is conducted or frequencies, within the band 150 the following table, as measured us stabilization network (LISN).	the public utility (AC) power back onto the AC power I kHz to 30 MHz, shall not e	er line, the radio ine on any frequency exceed the limits in
	Frequency of emission (MHz)	Conducted limit (dBµV)	
		Quasi-peak	Average
	0.15-0.5	66 to 56*	56 to 46*
Test Limit	0.5-5	56	46
	5-30	60	50
	*Decreases with the logarithm of the	e frequency.	
Test Method	ANSI C63.10-2020 section 6.2		

5.2.2 Test Setup Diagram



5.2.3 Test Procedure

The EUT is put on the plane 0.8 m high above the ground by insulating support and connected to the AC mains through Line Impedance Stability Network (L.I.S.N). This provided a 50ohm coupling impedance for the tested equipment. Both sides of AC line are investigated to find out the maximum conducted emission according to the test standard regulations during conducted emission measurement.

The bandwidth of the field strength meter (R&S Test Receiver ESCI) is set at 9kHz in 150kHz~30MHz. The maximum conducted interference is searched using Peak (PK), if the emission levels more than the AV and QP limits, and that have narrow margins from the AV and QP limits will be re-measured with AV and QP detectors. Tests for both L phase and N phase lines of the power mains connected to the EUT are performed. Refer to recorded points and plots below.

Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 50/60 Hz and 240 VAC, 50/60 Hz) for which the device is capable of operation. A device rated for 50/60 Hz operation need not be tested at both frequencies provided the radiated and line conducted emissions are the same at both frequencies.

5.2.4 Test Data

PASS.

Only the worst case data was showed in the report, please to see the following pages.

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est Sit	e:		Sł	nielded R	oom #1				
est Mo	ode:		TN	/1/ CH M	iddle				
Comme	ents:		Liv	ve Line					
Nodel N	lo.:		He	615E					
80.	0 dBuV								
70									
60								FCC	Part15 CE-Class B_QP
			34					ECC	Part15 CE-Class B_AVG
50			MN -						
40		A. ANA			7	9 X	hu-thuhhhuhh	1	
40			AT A W	No have when he	and have a show the	MANANA	horden with he	Mar Marken	
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	NAVAVA	/h A v A 10.11.4		Man M.	Ans. Mar	weing		2	W. W. Martin
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	KANN	וויעיו							
10	W W V	ĥ							AVG
0.1	n								
	0.150	0.	.500		(MHz)		5.000		30.000
		0.	500		(MHz)		5.000		30.000
	D.150 Frequency	Reading	Factor	Level	Limit	Margin		P/F	
	D.150 Frequency (MHz)	Reading (dBuV)	Factor (dB)	(dBuV)	Limit (dBuV)	(dB)	Detector	P/F	30.000 Remark
No.	0.150 Frequency (MHz) 0.4470	Reading (dBuV) 36.74	Factor (dB) 9.96	(dBuV) 46.70	Limit (dBuV) 56.93	(dB) -10.23	Detector QP	P	
No.	D.150 Frequency (MHz) 0.4470 0.4470	Reading (dBuV) 36.74 23.47	Factor (dB) 9.96 9.96	(dBuV) 46.70 33.43	Limit (dBuV) 56.93 46.93	(dB) -10.23 -13.50	Detector QP AVG	P P	
No. 1 2 3 *	D.150 Frequency (MHz) 0.4470 0.4470 0.5639	Reading (dBuV) 36.74 23.47 42.33	Factor (dB) 9.96 9.96 9.97	(dBuV) 46.70 33.43 52.30	Limit (dBuV) 56.93 46.93 56.00	(dB) -10.23 -13.50 -3.70	Detector QP AVG QP	P P P	
No. 1 2 3 * 4	D.150 Frequency (MHz) 0.4470 0.4470 0.5639 0.5639	Reading (dBuV) 36.74 23.47 42.33 30.83	Factor (dB) 9.96 9.96 9.97 9.97	(dBuV) 46.70 33.43 52.30 40.80	Limit (dBuV) 56.93 46.93 56.00 46.00	(dB) -10.23 -13.50 -3.70 -5.20	Detector QP AVG QP AVG	Р Р Р	
No. 1 2 3 * 4 5	E. 150 Frequency (MHz) 0.4470 0.4470 0.5639 0.5639 1.0680	Reading (dBuV) 36.74 23.47 42.33 30.83 33.26	Factor (dB) 9.96 9.97 9.97 10.01	(dBuV) 46.70 33.43 52.30 40.80 43.27	Limit (dBuV) 56.93 46.93 56.00 46.00 56.00	(dB) -10.23 -13.50 -3.70 -5.20 -12.73	Detector QP AVG QP AVG peak	Р Р Р Р	
No. 1 2 3 * 4 5 6	D.150 Frequency (MHz) 0.4470 0.4470 0.5639 0.5639 1.0680 1.0680	Reading (dBuV) 36.74 23.47 42.33 30.83 33.26 15.17	Factor (dB) 9.96 9.97 9.97 9.97 10.01 10.01	(dBuV) 46.70 33.43 52.30 40.80 43.27 25.18	Limit (dBuV) 56.93 46.93 56.00 46.00 56.00 46.00	(dB) -10.23 -13.50 -3.70 -5.20 -12.73 -20.82	Detector QP AVG QP AVG peak AVG	P P P P P	
No. 1 2 3 * 4 5 6 7	D.150 Frequency (MHz) 0.4470 0.5639 0.5639 1.0680 1.0680 1.9005	Reading (dBuV) 36.74 23.47 42.33 30.83 33.26 15.17 32.14	Factor (dB) 9.96 9.97 9.97 10.01 10.01 9.99	(dBuV) 46.70 33.43 52.30 40.80 43.27 25.18 42.13	Limit (dBuV) 56.93 46.93 56.00 46.00 56.00 46.00 56.00	(dB) -10.23 -13.50 -3.70 -5.20 -12.73 -20.82 -13.87	Detector QP AVG QP AVG peak AVG peak	P P P P P P	
No. 1 2 3 * 4 5 6 7 8	D.150 Frequency (MHz) 0.4470 0.5639 0.5639 1.0680 1.0680 1.9005 1.9005	Reading (dBuV) 36.74 23.47 42.33 30.83 33.26 15.17 32.14 14.09	Factor (dB) 9.96 9.97 9.97 10.01 10.01 9.99 9.99	(dBuV) 46.70 33.43 52.30 40.80 43.27 25.18 42.13 24.08	Limit (dBuV) 56.93 46.93 56.00 46.00 56.00 46.00 56.00 46.00	(dB) -10.23 -13.50 -3.70 -5.20 -12.73 -20.82 -13.87 -21.92	Detector QP AVG QP AVG peak AVG peak AVG	P P P P P P P P	
No. 1 2 3 * 4 5 6 7 8 9	D.150 Frequency (MHz) 0.4470 0.5639 0.5639 0.5639 1.0680 1.0680 1.9005 1.9005 3.0660	Reading (dBuV) 36.74 23.47 42.33 30.83 33.26 15.17 32.14 14.09 30.68	Factor (dB) 9.96 9.97 9.97 10.01 10.01 9.99 9.99 10.02	(dBuV) 46.70 33.43 52.30 40.80 43.27 25.18 42.13 24.08 40.70	Limit (dBuV) 56.93 46.93 56.00 46.00 56.00 46.00 56.00 46.00 56.00	(dB) -10.23 -13.50 -3.70 -5.20 -12.73 -20.82 -13.87 -21.92 -15.30	Detector QP AVG QP AVG peak AVG peak AVG peak	P P P P P P P P P P	
No. 1 2 3 * 4 5 6 7 8 9 10	D.150 Frequency (MHz) 0.4470 0.5639 0.5639 1.0680 1.0680 1.9005 1.9005 3.0660 3.0660	Reading (dBuV) 36.74 23.47 42.33 30.83 33.26 15.17 32.14 14.09 30.68 13.56	Factor (dB) 9.96 9.97 9.97 10.01 10.01 9.99 9.99 10.02 10.02	(dBuV) 46.70 33.43 52.30 40.80 43.27 25.18 42.13 24.08 40.70 23.58	Limit (dBuV) 56.93 46.93 56.00 46.00 56.00 46.00 56.00 46.00 56.00 46.00	(dB) -10.23 -13.50 -3.70 -5.20 -12.73 -20.82 -13.87 -21.92 -15.30 -22.42	Detector QP AVG QP AVG peak AVG peak AVG peak AVG	P P P P P P P P P P P P P P P P P P P P P P P P	
No. 1 2 3 * 4 5 6 7 8 9	D.150 Frequency (MHz) 0.4470 0.5639 0.5639 0.5639 1.0680 1.0680 1.9005 1.9005 3.0660	Reading (dBuV) 36.74 23.47 42.33 30.83 33.26 15.17 32.14 14.09 30.68	Factor (dB) 9.96 9.97 9.97 10.01 10.01 9.99 9.99 10.02	(dBuV) 46.70 33.43 52.30 40.80 43.27 25.18 42.13 24.08 40.70	Limit (dBuV) 56.93 46.93 56.00 46.00 56.00 46.00 56.00 46.00 56.00	(dB) -10.23 -13.50 -3.70 -5.20 -12.73 -20.82 -13.87 -21.92 -15.30	Detector QP AVG QP AVG peak AVG peak AVG peak	P P P P P P P P P P	

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est Si	te:		Sł	nielded R	oom #1					
est M	ode:		TN	/1/ CH M	iddle					
Comme	ents:		Ne	eutral Line	;					
/lodel	No.:		He	615E						
80	.0dBuV									
70										
								ECC	: Part15 CE-Class B_QP	
60			3					- ruu		
50			0.0					FCC	Part15 CE-Class B_AVG	
50				5						
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10										AVG
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	0.150	0.	500		(MHz)		5.000			30.000
	Frequency	Reading	Factor	Level	Limit	Margin				
No.	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	Detector	P/F	Remark	
1	0.2310	27.93	9.94	37.87	62.41	-24.54	QP	Р		
2	0.2310	14.77	9.94	24.71	52.41	-27.70	AVG	Р		
3 *	0.6000	45.02	10.00	55.02	56.00	-0.98	QP	Р		
4	0.6000	29.71	10.00	39.71	46.00	-6.29	AVG	Ρ		
5	0.9870	35.28	10.03	45.31	56.00	-10.69	QP	Ρ		
6	0.9870	19.95	10.03	29.98	46.00	-16.02	AVG	Ρ		
7	2.6340	32.03	10.02	42.05	56.00	-13.95	QP	Ρ		
	2.6340	14.78	10.02	24.80	46.00	-21.20	AVG	Ρ		
8	6.8370	31.16	10.03	41.19	60.00	-18.81	QP	Ρ		
8 9		14.73	10.03	24.76	50.00	-25.24	AVG	Ρ		
	6.8370	14.75				-				
9	6.8370 10.9950	22.66	10.06	32.72 22.61	60.00	-27.28 -27.39	QP	P P		

SHENZHEN EU TESTING LABORATORY LIMITED

Address: 101, Building B1, Fuqiao Fourth Area, Qiaotou Community, Fuhai Subdistrict, Baoan District, Shenzhen, Guangdong, China



est Si	ite:		Sh	ielded R	oom #1				
est M	ode:		TN	/1/ CH Mi	iddle				
omm	ents:		Liv	/e Line					
lodel	No.:		He	6110					
80	0.0 dBuV								
70	ı								
	1							FCC	Part15 CE-Class B_QP
60									
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U	0.150	0.	500		(MHz)		5.000		30.000
No.	Frequency	Reading	Factor	Level	Limit	Margin	Detector	P/F	Remark
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)			
1 *	0.1590	51.59	9.91	61.50	65.52	-4.02	QP	P	
2	0.1590	37.90	9.91	47.81	55.52	-7.71	AVG	Ρ	
2 3	0.1590 0.2490	37.90 43.26	9.91 9.92	47.81 53.18	55.52 61.79	-7.71 -8.61	AVG QP	P	
2 3 4	0.1590 0.2490 0.2490	37.90 43.26 27.49	9.91 9.92 9.92	47.81 53.18 37.41	55.52 61.79 51.79	-7.71 -8.61 -14.38	AVG QP AVG	P P P	
2 3 4 5	0.1590 0.2490 0.2490 0.5144	37.90 43.26 27.49 34.59	9.91 9.92 9.92 9.97	47.81 53.18 37.41 44.56	55.52 61.79 51.79 56.00	-7.71 -8.61 -14.38 -11.44	AVG QP AVG QP	P P P P	
2 3 4	0.1590 0.2490 0.2490	37.90 43.26 27.49	9.91 9.92 9.92	47.81 53.18 37.41	55.52 61.79 51.79	-7.71 -8.61 -14.38	AVG QP AVG	P P P	
2 3 4 5 6	0.1590 0.2490 0.2490 0.5144 0.5144	37.90 43.26 27.49 34.59 19.51	9.91 9.92 9.92 9.97 9.97	47.81 53.18 37.41 44.56 29.48	55.52 61.79 51.79 56.00 46.00	-7.71 -8.61 -14.38 -11.44 -16.52	AVG QP AVG QP AVG	P P P P	
2 3 4 5 6 7	0.1590 0.2490 0.2490 0.5144 0.5144 4.0605	37.90 43.26 27.49 34.59 19.51 28.70	9.91 9.92 9.92 9.97 9.97 10.00	47.81 53.18 37.41 44.56 29.48 38.70	55.52 61.79 51.79 56.00 46.00 56.00	-7.71 -8.61 -14.38 -11.44 -16.52 -17.30	AVG QP AVG QP AVG QP	P P P P P P	
2 3 4 5 6 7 8	0.1590 0.2490 0.2490 0.5144 0.5144 4.0605 4.0605	37.90 43.26 27.49 34.59 19.51 28.70 14.70	9.91 9.92 9.92 9.97 9.97 10.00 10.00	47.81 53.18 37.41 44.56 29.48 38.70 24.70	55.52 61.79 51.79 56.00 46.00 56.00 46.00	-7.71 -8.61 -14.38 -11.44 -16.52 -17.30 -21.30	AVG QP AVG QP AVG QP AVG	P P P P P P P	
2 3 4 5 6 7 8 9	0.1590 0.2490 0.5144 0.5144 4.0605 4.0605 4.9965	37.90 43.26 27.49 34.59 19.51 28.70 14.70 24.39	9.91 9.92 9.97 9.97 10.00 10.00	47.81 53.18 37.41 44.56 29.48 38.70 24.70 34.39	55.52 61.79 51.79 56.00 46.00 56.00 46.00 56.00	-7.71 -8.61 -14.38 -11.44 -16.52 -17.30 -21.30 -21.61	AVG QP AVG QP AVG QP AVG QP	P P P P P P P P	

SHENZHEN EU TESTING LABORATORY LIMITED

Address: 101, Building B1, Fuqiao Fourth Area, Qiaotou Community, Fuhai Subdistrict, Baoan District, Shenzhen, Guangdong, China



Test Site:	Shielded Room	#1
Test Mode:	TM1/ CH Middle	
Comments:	Neutral Line	
Model No.:	H6110	
80.0 dBuV		
70		
60		FCC Part15 CE-Class B_QP
50 31 100		FCC Part15 CE-Class B_AVG
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10			V										+			AVG
0.0																_
0.1	150		0.5	500			()	(Hz)		5.0	000				30.00	0

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1 *	0.1545	50.77	9.93	60.70	65.75	-5.05	QP	Р	
2	0.1545	37.17	9.93	47.10	55.75	-8.65	AVG	Р	
3	0.5325	31.31	10.00	41.31	56.00	-14.69	QP	Р	
4	0.5325	7.60	10.00	17.60	46.00	-28.40	AVG	Р	
5	1.0815	24.40	10.03	34.43	56.00	-21.57	QP	Р	
6	1.0815	8.90	10.03	18.93	46.00	-27.07	AVG	Р	
7	3.9075	28.00	10.01	38.01	56.00	-17.99	QP	Р	
8	3.9075	15.40	10.01	25.41	46.00	-20.59	AVG	Р	
9	7.1700	29.83	10.03	39.86	60.00	-20.14	QP	Р	
10	7.1700	20.24	10.03	30.27	50.00	-19.73	AVG	Р	
11	21.5340	27.93	10.15	38.08	60.00	-21.92	QP	Р	
12	21.5340	16.70	10.15	26.85	50.00	-23.15	AVG	Р	
Note: L	_evel = Read	ing + Fact	tor Mar	gin = Lev	el - Limit				

SHENZHEN EU TESTING LABORATORY LIMITED

Address: 101, Building B1, Fuqiao Fourth Area, Qiaotou Community, Fuhai Subdistrict, Baoan District, Shenzhen, Guangdong, China



	icted Emiss	sion Test							
Fest Si	te:		Sh	nielded R	oom #1				
Fest M	ode:		TN	/1/ CH M	iddle				
Comme	ents:		Liv	/e Line					
Model	No.:		He	6159					
80	.0_dBuV								
70									
60								FCC	C Part15 CE-Class B_ £ PG
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20		<u> ' ' ' '</u>	╵╹║╹╢╹	<mark>₩. ₫₩ ₽</mark> ₹₩					
10									AVG
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Ū	0.150	0	.500		(MHz)		5.000		30.000
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.3345	33.29	9.95	43.24	59.34	-16.10	QP	Р	
2	0.3345	17.09	9.95	27.04	59.34	-32.30	AVG	P	
3	0.4740	36.46	9.97	46.43	56.44	-10.01	QP	Ρ	
4	0.4740	20.01	9.97	29.98	56.44	-26.46	AVG	Ρ	
5	1.3290	35.09	10.00	45.09	56.00	-10.91	QP	Ρ	
6	1.3290	13.04	10.00	23.04	56.00	-32.96	AVG	Ρ	
7	4.1055	35.61	10.00	45.61	56.00	-10.39	QP	Ρ	

56.00

60.00

60.00

60.00

60.00

-29.54

-8.10

-21.47

-15.88

-30.05

SHENZHEN EU TESTING LABORATORY LIMITED

4.1055

14.6220

14.6220

20.4090

20.4090

Note: Level = Reading + Factor

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9 *

10

11

12

Address: 101, Building B1, Fuqiao Fourth Area, Qiaotou Community, Fuhai Subdistrict, Baoan District, Shenzhen, Guangdong, China

10.00

10.02

10.02

10.13

10.13

26.46

51.90

38.53

44.12

29.95

Margin = Level - Limit

16.46

41.88

28.51

33.99

19.82

TRF No.: FCC Part 15 Subpart C_BLE (A01)

Ρ

Ρ

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AVG

QP

AVG

QP

AVG



est Sit	e:		Sh	ielded R	oom #1						
est Mo	ode:		TN	/1/ CH M	iddle						
omme	ents:		Ne	eutral Line)						
lodel I	No.:		He	6159							
80.	0 dBuV										
70											
70											
60								FCC	Part15 CE-Cla	ass B_QP	
									A A A A A A A A A A A A A A A A A A A		
50								FUU	Part15 CE-C a	ass B_AVG	
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0.	0			Level		Margin					
0.	.0	Reading (dBuV)	500 Factor (dB)	Level (dBuV)	(MHz) Limit (dBuV)	Margin (dB)	1	P/F	Remark		
0.	0 0.150 Frequency (MHz) 0.3390	Reading (dBu∀) 33.75	Factor	(dBuV) 43.72	Limit (dBuV) 59.23	(dB) -15.51	Detector QP	P	Remark		
0. No. 1 2	0 0.150 Frequency (MHz) 0.3390 0.3390	Reading (dBuV) 33.75 18.40	Factor (dB) 9.97 9.97	(dBuV) 43.72 28.37	Limit (dBuV) 59.23 49.23	(dB) -15.51 -20.86	Detector QP AVG	P P	Remark		
0. No. 1 2 3	0 0.150 Frequency (MHz) 0.3390 0.3390 0.4650	Reading (dBuV) 33.75 18.40 34.41	Factor (dB) 9.97 9.97 9.99	(dBuV) 43.72 28.37 44.40	Limit (dBuV) 59.23 49.23 56.60	(dB) -15.51 -20.86 -12.20	Detector QP AVG QP	Р Р Р	Remark		
0. No. 1 2 3 4	0 0.150 Frequency (MHz) 0.3390 0.3390 0.4650 0.4650	Reading (dBuV) 33.75 18.40 34.41 16.91	Factor (dB) 9.97 9.97 9.99 9.99	(dBuV) 43.72 28.37 44.40 26.90	Limit (dBuV) 59.23 49.23 56.60 46.60	(dB) -15.51 -20.86 -12.20 -19.70	Detector QP AVG QP AVG	P P P P	Remark		
0. No. 1 2 3 4 5	0 0.150 Frequency (MHz) 0.3390 0.3390 0.4650 0.4650 1.3515	Reading (dBuV) 33.75 18.40 34.41 16.91 32.47	Factor (dB) 9.97 9.97 9.99 9.99 10.03	(dBuV) 43.72 28.37 44.40 26.90 42.50	Limit (dBuV) 59.23 49.23 56.60 46.60 56.00	(dB) -15.51 -20.86 -12.20 -19.70 -13.50	Detector QP AVG QP AVG QP	Р Р Р Р Р Р Р	Remark		
0. No. 1 2 3 4 5 6	0 0.150 Frequency (MHz) 0.3390 0.3390 0.4650 0.4650 1.3515 1.3515	Reading (dBuV) 33.75 18.40 34.41 16.91 32.47 13.36	Factor (dB) 9.97 9.97 9.99 9.99 10.03 10.03	(dBuV) 43.72 28.37 44.40 26.90 42.50 23.39	Limit (dBuV) 59.23 49.23 56.60 46.60 56.00 46.00	(dB) -15.51 -20.86 -12.20 -19.70 -13.50 -22.61	Detector QP AVG QP AVG QP AVG	P P P P P P P	Remark		
0. No. 1 2 3 4 5 6 7	0 0.150 Frequency (MHz) 0.3390 0.3390 0.4650 0.4650 1.3515 1.3515 4.0605	Reading (dBuV) 33.75 18.40 34.41 16.91 32.47 13.36 31.00	Factor (dB) 9.97 9.99 9.99 10.03 10.03 10.01	(dBuV) 43.72 28.37 44.40 26.90 42.50 23.39 41.01	Limit (dBuV) 59.23 49.23 56.60 46.60 56.00 46.00 56.00	(dB) -15.51 -20.86 -12.20 -19.70 -13.50 -22.61 -14.99	Detector QP AVG QP AVG QP AVG QP	P P P P P P P P	Remark		
0. No. 1 2 3 4 5 6 7 8	0 0.150 Frequency (MHz) 0.3390 0.3390 0.4650 0.4650 1.3515 1.3515 4.0605 4.0605	Reading (dBuV) 33.75 18.40 34.41 16.91 32.47 13.36 31.00 14.27	Factor (dB) 9.97 9.99 9.99 10.03 10.03 10.01 10.01	(dBuV) 43.72 28.37 44.40 26.90 42.50 23.39 41.01 24.28	Limit (dBuV) 59.23 49.23 56.60 46.60 56.00 46.00 56.00 46.00	(dB) -15.51 -20.86 -12.20 -19.70 -13.50 -22.61 -14.99 -21.72	Detector QP AVG QP AVG QP AVG QP AVG	P P P P P P P P P	Remark		
0. No. 1 2 3 4 5 6 7 8 9 *	0 0.150 Frequency (MHz) 0.3390 0.3390 0.4650 0.4650 1.3515 1.3515 4.0605 4.0605 4.0605 14.4240	Reading (dBuV) 33.75 18.40 34.41 16.91 32.47 13.36 31.00 14.27 45.69	Factor (dB) 9.97 9.99 9.99 10.03 10.03 10.01 10.01 10.04	(dBuV) 43.72 28.37 44.40 26.90 42.50 23.39 41.01 24.28 55.73	Limit (dBuV) 59.23 49.23 56.60 46.60 56.00 46.00 56.00 46.00 60.00	(dB) -15.51 -20.86 -12.20 -19.70 -13.50 -22.61 -14.99 -21.72 -4.27	Detector QP AVG QP AVG QP AVG QP AVG QP	P P P P P P P P P P P	Remark		
0. No. 1 2 3 4 5 6 7 8	0 0.150 Frequency (MHz) 0.3390 0.3390 0.4650 0.4650 1.3515 1.3515 4.0605 4.0605	Reading (dBuV) 33.75 18.40 34.41 16.91 32.47 13.36 31.00 14.27	Factor (dB) 9.97 9.99 9.99 10.03 10.03 10.01 10.01	(dBuV) 43.72 28.37 44.40 26.90 42.50 23.39 41.01 24.28	Limit (dBuV) 59.23 49.23 56.60 46.60 56.00 46.00 56.00 46.00	(dB) -15.51 -20.86 -12.20 -19.70 -13.50 -22.61 -14.99 -21.72	Detector QP AVG QP AVG QP AVG QP AVG QP AVG	P P P P P P P P P	Remark		

SHENZHEN EU TESTING LABORATORY LIMITED

Address: 101, Building B1, Fuqiao Fourth Area, Qiaotou Community, Fuhai Subdistrict, Baoan District, Shenzhen, Guangdong, China



Conducted Emission Test Data	
Test Site:	Shielded Room #1
Test Mode:	TM1/ CH Middle
Comments:	Live Line
Model No.:	H614B
80.0 dBuV	
70	
60	FCC Patt15 CE-Class B_QP
50 3 5	FCC Part15 CE-Class B_AVG
40 10 As A A A A A A A A A A A A A A A A A A	
30	12 Martin Ma Martin Martin Mar
20	peak
10	
0.0	(MHz) 5.000 30.000

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1590	50.84	9.96	60.80	65.52	-4.72	QP	Р	
2 *	0.1590	41.43	9.96	51.39	55.52	-4.13	AVG	Р	
3	0.3975	39.07	10.02	49.09	57.91	-8.82	QP	Р	
4	0.3975	28.19	10.02	38.21	47.91	-9.70	AVG	Р	
5	0.5595	36.37	10.04	46.41	56.00	-9.59	QP	Р	
6	0.5595	25.94	10.04	35.98	46.00	-10.02	AVG	Р	
7	3.4800	26.39	10.05	36.44	56.00	-19.56	QP	Р	
8	3.4800	13.25	10.05	23.30	46.00	-22.70	AVG	Р	
9	9.5639	24.15	9.97	34.12	60.00	-25.88	QP	Р	
10	9.5639	12.94	9.97	22.91	50.00	-27.09	AVG	Р	
11	17.5694	30.37	10.02	40.39	60.00	-19.61	QP	Р	
12	17.5694	20.68	10.02	30.70	50.00	-19.30	AVG	Р	

SHENZHEN EU TESTING LABORATORY LIMITED

Address: 101, Building B1, Fuqiao Fourth Area, Qiaotou Community, Fuhai Subdistrict, Baoan District, Shenzhen, Guangdong, China



est Sit	e:		Sh	nielded R	oom #1				
est Mo	ode:		TN	M1/ CH M	iddle				
Comme	ents:		Ne	eutral Line	•				
/lodel N	lo.:		He	614B					
80.	0 dBuV								
70									
	1								
60								FUU	CPart15 CE-Class B_QP
50	3							FCC	Part15 CE-Class B_AVG
50	M		3						
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10 0.0				╫ [╓] ╫╫╟╫╢╵┙╵					AVG
10 0.0	0.150		500		(MHz)		5.000		
10 0.0	0.150					Margin			AVG
10 0.0		Reading (dBuV)	500 Factor (dB)	Level (dBuV)	(MHz) Limit (dBuV)	Margin (dB)	1	P/F	AVG
10 0.((0.150 Frequency	Reading	Factor		Limit			P/F P	AVG 30.000
10 0.1 0.1	0.150 Frequency (MHz)	Reading (dBuV)	Factor (dB)	(dBuV)	Limit (dBuV)	(dB)	Detector		AVG 30.000
10 0.0 No. 1 *	0.150 Frequency (MHz) 0.1590	Reading (dBuV) 51.64	Factor (dB) 9.98	(dBuV) 61.62	Limit (dBuV) 65.52	(dB) -3.90	Detector QP	P P P	AVG 30.000
10 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.150 Frequency (MHz) 0.1590 0.1590 0.5595 0.5595	Reading (dBuV) 51.64 41.38 34.03 24.83	Factor (dB) 9.98 9.98 10.07 10.07	(dBuV) 61.62 51.36 44.10 34.90	Limit (dBuV) 65.52 55.52 56.00 46.00	(dB) -3.90 -4.16 -11.90 -11.10	Detector QP AVG QP AVG	P P P	AVG 30.000
10 0.0 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.150 Frequency (MHz) 0.1590 0.1590 0.5595 0.5595 2.6115	Reading (dBuV) 51.64 41.38 34.03 24.83 27.83	Factor (dB) 9.98 9.98 10.07 10.07	(dBuV) 61.62 51.36 44.10 34.90 37.89	Limit (dBuV) 65.52 55.52 56.00 46.00 56.00	(dB) -3.90 -4.16 -11.90 -11.10 -18.11	Detector QP AVG QP AVG QP	P P P P P P P	AVG 30.000
10 0.1 No. 1 * 2 3 4 5 6	0.150 Frequency (MHz) 0.1590 0.1590 0.5595 0.5595 2.6115 2.6115	Reading (dBuV) 51.64 41.38 34.03 24.83 27.83 13.86	Factor (dB) 9.98 9.98 10.07 10.07 10.06 10.06	(dBuV) 61.62 51.36 44.10 34.90 37.89 23.92	Limit (dBuV) 65.52 55.52 56.00 46.00 56.00 46.00	(dB) -3.90 -4.16 -11.90 -11.10 -18.11 -22.08	Detector QP AVG QP AVG QP AVG	P P P P P P P	AVG 30.000
10 0.0 1 * 2 3 4 5 6 7	0.150 Frequency (MHz) 0.1590 0.5595 0.5595 2.6115 2.6115 3.6645	Reading (dBuV) 51.64 41.38 34.03 24.83 27.83 13.86 30.08	Factor (dB) 9.98 9.98 10.07 10.07 10.06 10.06 10.04	(dBuV) 61.62 51.36 44.10 34.90 37.89 23.92 40.12	Limit (dBuV) 65.52 55.52 56.00 46.00 56.00 46.00 56.00	(dB) -3.90 -4.16 -11.90 -11.10 -18.11 -22.08 -15.88	Detector QP AVG QP AVG QP AVG QP	P P P P P P P P	AVG 30.000
10 0.1 No. 1 * 2 3 4 5 6 7 8	0.150 Frequency (MHz) 0.1590 0.1590 0.5595 0.5595 2.6115 2.6115 3.6645 3.6645	Reading (dBuV) 51.64 41.38 34.03 24.83 27.83 13.86 30.08 18.24	Factor (dB) 9.98 9.98 10.07 10.07 10.06 10.06 10.04 10.04	(dBuV) 61.62 51.36 44.10 34.90 37.89 23.92 40.12 28.28	Limit (dBuV) 65.52 55.52 56.00 46.00 56.00 46.00 56.00 46.00	(dB) -3.90 -4.16 -11.90 -11.10 -18.11 -22.08 -15.88 -17.72	Detector QP AVG QP AVG QP AVG QP AVG	P P P P P P P P P	AVG 30.000
10 0.1 No. 1 * 2 3 4 5 6 7 8 9	0.150 Frequency (MHz) 0.1590 0.5595 0.5595 2.6115 2.6115 3.6645 3.6645 6.4095	Reading (dBuV) 51.64 41.38 34.03 24.83 27.83 13.86 30.08 18.24 29.06	Factor (dB) 9.98 9.98 10.07 10.07 10.06 10.06 10.04 10.04 10.04	(dBuV) 61.62 51.36 44.10 34.90 37.89 23.92 40.12 28.28 39.10	Limit (dBuV) 65.52 55.52 56.00 46.00 56.00 46.00 56.00 46.00 60.00	(dB) -3.90 -4.16 -11.90 -11.10 -18.11 -22.08 -15.88 -17.72 -20.90	Detector QP AVG QP AVG QP AVG QP AVG QP	P P P P P P P P P P P	AVG 30.000
10 0.(0.(0.(0.(0.(0.(0.(0.(0.(0.	0.150 Frequency (MHz) 0.1590 0.5595 0.5595 2.6115 2.6115 3.6645 3.6645 6.4095 6.4095	Reading (dBuV) 51.64 41.38 34.03 24.83 27.83 13.86 30.08 18.24 29.06 19.08	Factor (dB) 9.98 9.98 10.07 10.07 10.06 10.06 10.04 10.04 10.04	(dBuV) 61.62 51.36 44.10 34.90 37.89 23.92 40.12 28.28 39.10 29.12	Limit (dBuV) 65.52 55.52 56.00 46.00 56.00 46.00 56.00 46.00 60.00 50.00	(dB) -3.90 -4.16 -11.90 -11.10 -18.11 -22.08 -15.88 -17.72 -20.90 -20.88	Detector QP AVG QP AVG QP AVG QP AVG QP AVG	P P P P P P P P P P P P P	AVG 30.000
10 0.1 No. 1 * 2 3 4 5 6 7 8 9	0.150 Frequency (MHz) 0.1590 0.5595 0.5595 2.6115 2.6115 3.6645 3.6645 6.4095	Reading (dBuV) 51.64 41.38 34.03 24.83 27.83 13.86 30.08 18.24 29.06	Factor (dB) 9.98 9.98 10.07 10.07 10.06 10.06 10.04 10.04 10.04	(dBuV) 61.62 51.36 44.10 34.90 37.89 23.92 40.12 28.28 39.10	Limit (dBuV) 65.52 55.52 56.00 46.00 56.00 46.00 56.00 46.00 60.00	(dB) -3.90 -4.16 -11.90 -11.10 -18.11 -22.08 -15.88 -17.72 -20.90	Detector QP AVG QP AVG QP AVG QP AVG QP	P P P P P P P P P P P	AVG 30.000

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Conal	ucted Emiss	Sion lest D	ata						
Test Si	ite:		Sh	ielded R	oom #1				
Test M	lode:		ΤM	11/ CH Mi	ddle				
Comm	ents:		Liv	e Line					
Model	No.:		H6	14E					
80).0 dBuV								
70									
60								FCC	Part15 CE-Class B_QP
50	Mr.		3					FCC	Part15 CE-Class B_AVG
40		MAAAA	t Maria	5		z			3
30	י ן ן ע ויי	₩₩₩₩₩₩		NAMA	W Where the party is a second	rah Kalimanan	the state of the s	dop-a ⁿ lat-soci	
20)	<u> </u>			h h h h h h h h h h h h h h h h h h h	lenkahiliyanga	longer war	n alfenner	10 peak
10									Ave
).0 0.150	0.50	0		(MHz)		5.000		30.000
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F	Remark
1	0.1590	48.21	9.96	58.17	65.52	-7.35	QP	Р	
2	0.1590	39.36	9.96	49.32	55.52	-6.20	AVG	Р	
2	0 5000	07.74	40.04	47 70	50.00	0.00	00		

1	0.1590	48.21	9.96	58.17	65.52	-7.35	QP	P	
2	0.1590	39.36	9.96	49.32	55.52	-6.20	AVG	Ρ	
3	0.5820	37.74	10.04	47.78	56.00	-8.22	QP	Ρ	
4 *	0.5820	30.52	10.04	40.56	46.00	-5.44	AVG	Ρ	
5	1.1220	25.93	10.04	35.97	56.00	-20.03	QP	Р	
6	1.1220	22.93	10.04	32.97	46.00	-13.03	AVG	Ρ	
7	3.0570	21.99	10.05	32.04	56.00	-23.96	QP	Р	
8	3.0570	8.31	10.05	18.36	46.00	-27.64	AVG	Ρ	
9	9.5775	22.57	9.96	32.53	60.00	-27.47	QP	Р	
10	9.5775	11.29	9.96	21.25	50.00	-28.75	AVG	Ρ	
11	14.4150	27.76	9.97	37.73	60.00	-22.27	QP	Р	
12	14.4150	17.97	9.97	27.94	50.00	-22.06	AVG	Ρ	
Note: I	Level = Read	ling + Fac	tor Mar	gin = Lev	el - Limit			-	

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50

40

30

20

10

No.

1

2

3

4

5

6

7

8

9

10

11 12

*

0.0

Frequency

(MHz)

0.1590

0.1590

0.5820

0.5820

0.9600

0.9600

3.4035

3.4035

5.5635

5.5635

15.6795

15.6795

Note: Level = Reading + Factor

FCC Part15 CE-Class B_AVG

11

AVG

30.000

<u>9</u>

10

5.000

Detector

QP

AVG

QP

AVG

QP

AVG

QP

AVG

QP

AVG

QP

AVG

P/F

Ρ

P P

Ρ

Ρ

Ρ

Ρ

Ρ

Ρ

Ρ

Ρ

Ρ

Remark

Margin

(dB)

-8.90

-7.22

-9.88

-6.69

-16.41

-11.10

-19.53

-22.62

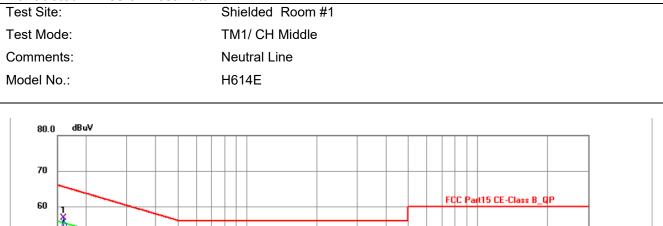
-25.56

-25.73

-27.92

-27.39

Conducted Emission Test Data



(MHz)

Limit

(dBuV)

65.52

55.52

56.00

46.00

56.00

46.00

56.00

46.00

60.00

50.00

60.00

50.00

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0.500

Factor

(dB)

9.98

9.98

10.07

10.07

10.06

10.06

10.04

10.04

10.04

10.04

10.00

10.00

Level

(dBuV)

56.62

48.30

46.12

39.31

39.59

34.90

36.47

23.38

34.44

24.27

32.08

22.61

Margin = Level - Limit

Reading

(dBuV)

46.64

38.32

36.05

29.24

29.53

24.84

26.43

13.34

24.40

14.23

22.08

12.61

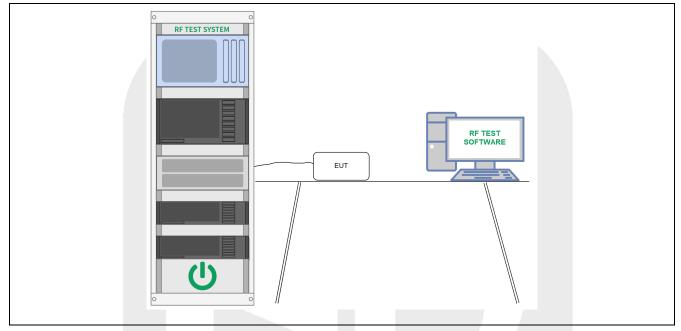


5.3 DTS Bandwidth

5.3.1 Test Requirement

Test Requirement	Systems using digital modulation techniques may operate in the 902-928 MHz, and 2400-2483.5 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.
Test Method	ANSI C63.10-2020 section 11.8

5.3.2 Test Setup Diagram



5.3.3 Test Procedure

a) Set RBW = shall be in the range of 1% to 5% of the OBW but not less than 100 kHz.

- b) Set the VBW $\geq [3 \times RBW]$.
- c) Detector = peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.

f) Allow the trace to stabilize.

g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

5.3.4 Test Data

PASS.

Please refer to Annex D for details.

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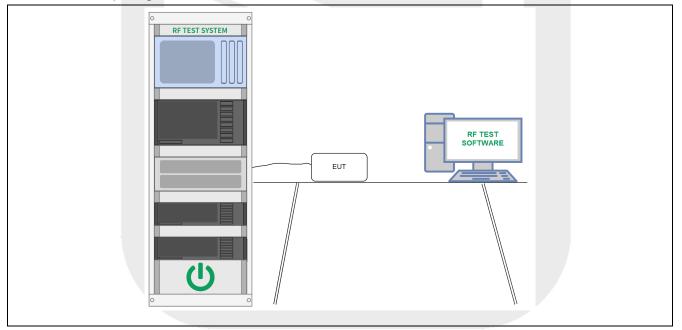


5.4 Maximum Conducted Output Power

5.4.1 Test Requirement

Test Requirement	For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement, compliance with the one Watt limit can be based on a measurement of the maximum conducted output power. Maximum Conducted Output Power is defined as the total transmit power delivered to all antennas and antenna elements averaged across all symbols in the signaling alphabet when the transmitter is operating at its maximum power control level. Power must be summed across all antennas and antenna elements. The average must not include any time intervals during which the transmitter is off or is transmitting at a reduced power level. If multiple modes of operation are possible (e.g., alternative modulation methods), the maximum conducted output power is the highest total transmit power occurring in any mode.
Test Method	ANSI C63.10-2020 section 11.9

5.4.2 Test Setup Diagram



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5.4.3 Test Procedure

a) Maximum peak conducted output power

This procedure shall be used when the measurement instrument has available a resolution bandwidth that is greater than the DTS bandwidth.

Set the RBW \geq DTS bandwidth.

Set VBW \ge 3 x RBW. Set span \ge 3 x RBW

Sweep time = auto couple.

Detector = peak.

Delector – peak.

Trace mode = max hold. Allow trace to fully stabilize.

Use peak marker function to determine the peak amplitude level.

b) Measurements of duty cycle

The zero-span mode on a spectrum analyzer or EMI receiver if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal. Set the center frequency of the instrument to the center frequency of the transmission.

Set RBW \geq OBW if possible; otherwise, set RBW to the largest available value.

Set VBW ≥ RBW. Set detector = peak or average.

The zero-span measurement method shall not be used unless both RBW and VBW are > 50/T and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if T \leq 16.7 microseconds.)

5.4.4 Test Data

PASS.

Please refer to Annex D for details.

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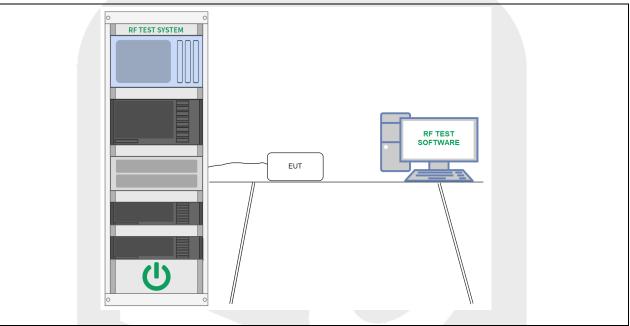


5.5 **Power Spectral Density**

5.5.1 Test Requirement

Test Requirement	For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.
Test Method	ANSI C63.10-2020 section 11.10

5.5.2 Test Setup Diagram



5.5.3 Test Procedure

Set analyzer center frequency to DTS channel center frequency. Set the span to 1.5 times the DTS bandwidth. Set the RBW to: $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$. Set the VBW $\geq 3 \text{ RBW}$. Detector = peak. Sweep time = auto couple. Trace mode = max hold. Allow trace to fully stabilize. Use the peak marker function to determine the maximum amplitude level within the RBW. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

5.5.4 Test Data PASS. Please refer to Annex D for details.

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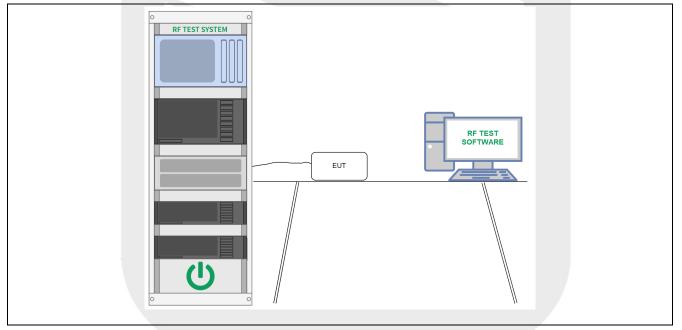


5.6 Emissions in Non-restricted Frequency Bands (Conducted)

5.6.1 Test Requirement

Test Requirement	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated 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, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in § 15.209(a) is not required.
Test Method	ANSI C63.10-2020 section 11.11

5.6.2 Test Setup Diagram



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5.6.3 Test Procedure

The following procedures may be used to determine the peak or average field strength or power of an unwanted emission that is within 2 MHz of the authorized band edge. If a peak detector is utilized, use the procedure described in 13.2.1. Use the procedure described in 13.2.2 when using an average detector and the EUT can be configured to transmit continuously (i.e., duty cycle \ge 98%). Use the procedure described in 13.2.3 when using an average detector and the EUT cannot be configured to transmit continuously but the duty cycle is constant (i.e., duty cycle variations are less than ± 2 percent). Use the procedure described in 13.2.4 when using an average detector for those cases where the EUT cannot be configured to transmit continuously and the duty cycle is not constant (duty cycle variations equal or exceed 2 percent).

When using a peak detector to measure unwanted emissions at or near the band edge (within 2 MHz of the authorized band), the following integration procedure can be used.

Set instrument center frequency to the frequency of the emission to be measured (must be within 2 MHz of the authorized band edge).

Set span to 2 MHz

RBW = 100 kHz.

VBW \geq 3 x RBW.

Detector = peak.

Sweep time = auto.

Trace mode = max hold.

Allow sweep to continue until the trace stabilizes (required measurement time may increase for low duty cycle applications)

Compute the power by integrating the spectrum over 1 MHz using the analyzer's band power measurement function with band limits set equal to the emission frequency (femission) \pm 0.5 MHz. If the instrument does not have a band power function, then sum the amplitude levels (in power units) at 100 kHz intervals extending across the 1 MHz spectrum defined by femission \pm 0.5 MHz.

Standard method(The 99% OBW of the fundamental emission is without 2 MHz of the authorized band):

Span: Wide enough to capture the peak level of the emission operating on the channel closest to the band edge, as well as any modulation products that fall outside of the authorized band of operation.

Reference level: As required to keep the signal from exceeding the maximum instrument input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than [10 log (OBW/RBW)] below the reference level. Specific guidance is given in 4.1.5.2.

Attenuation: Auto (at least 10 dB preferred).

Sweep time: Coupled.

Resolution bandwidth: 100 kHz.

Video bandwidth: 300 kHz.

Detector: Peak. Trace: Max hold.

5.6.4 Test Data

PASS. Please refer to Annex D for details.

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5.7 Band Edge Emissions (Restricted frequency bands)

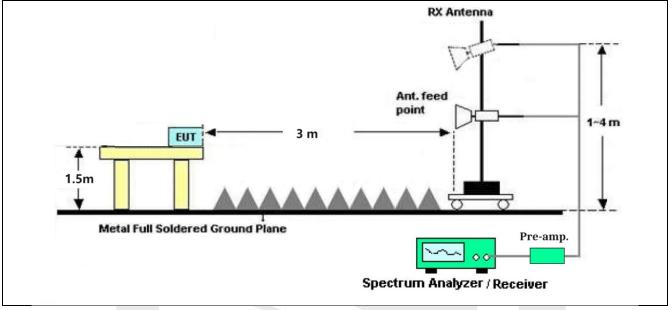
5.7.1 Test Requirement

· · · · · · · · · · · · · · · · · · ·	In addition, radiated en	nissions which fall in the	restricted bands	s, as defined in §					
Test Requirement		15.205(a), must also comply with the radiated emission limits specified in §							
	15.209(a)(see § 15.20								
	Frequency (MHz)	Field strength		Measurement					
		(microvolts/mete	r)	distance					
		(111010101010)/11010	')	(meters)					
	0.009-0.490	2400/F(kHz)		300					
	0.490-1.705	24000/F(kHz)		30					
	1.705-30.0	30		30					
	30-88	100 **		3					
	88-216	150 **		3					
		200 **		3					
	216-960			3					
	Above 960	500		-					
		n paragraph (g), fundam							
		der this section shall not							
	54-72 MHz, 76-88 MHz	z, 174-216 MHz or 470-8	306 MHz. Howev	ver, operation within					
	these frequency bands	is permitted under othe	r sections of this	s part, e.g.,					
	§§ 15.231 and 15.241.								
	00								
	Restricted frequency b	ands:							
	MHz								
	0.090-0.110	MHz 16.42-16.423	MHz 399.9-410	GHz 4.5-5.15					
	0.495-0.505	16.69475-16.69525	608-614	5.35-5.46					
	2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75					
	4.125-4.128	25.5-25.67	1300-1427	8.025-8.5					
	4.125-4.126	37.5-38.25	1435-1626.5	9.0-9.2					
Test Limit	4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5					
	4.20723-4.20773	13-14.0	1043.3-1040.3	9.5-9.5					
	6.215-6.218	74.8-75.2	1660-1710	10.6-12.7					
	6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4					
	6.31175-6.31225	123-138	2200-2300	14.47-14.5					
	8.291-8.294	149.9-150.05	2310-2390	15.35-16.2					
	8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4					
	8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12					
	8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0					
	12.29-12.293	167.72-173.2	3332-3339	31.2-31.8					
	12.51975-12.52025	240-285	3345.8-3358	36.43-36.5					
	12.57675-12.57725	322-335.4	3600-4400						
	13.36-13.41								
	Note:								
	1) Field Strength (dBµ)	V/m) = 20*log[Field Streit]	ngth (µV/m)].						
	2) In the emission tables above, the tighter limit applies at the band edges.								
		z, the emission limit in t		-					
	,	entation employing an av							
		peak detector function, o	-	-					
	maximum permitted av	•							
		•	ormonica						
		z, limit field strength of h							
		nd 74dBuV/m@3m (PK).						
Test Method	ANSI C63.10-2020 sec	ction 6.6.4							

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5.7.2 Test Setup Diagram



5.7.3 Test Procedure

The measurement frequency range is from 9 kHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented. The power of the EUT transmitting frequency should be ignored. All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

 $RBW = 1 \text{ MHz for } f \ge 1 \text{ GHz}, 100 \text{ kHz for } f < 1 \text{ GHz}$ VBW $\ge RBW$ Sweep = auto

Detector function = peak Trace = max hold.

5.7.4 Test Data PASS.

Please refer to the following pages.

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Band Edge Emissions (Restricted frequency bands):

Test Mode: GFSK(1Mbps)					CH Low: 2402 MHz			
Pol.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type	Result
Н	2310.00	44.79	-2.81	41.98	74.00	-32.02	PK	PASS
Н	2390.00	47.77	-2.69	45.08	74.00	-28.92	PK	PASS
Н	**2400.00	63.10	-2.68	60.42	74.00	-13.58	PK	PASS
V	2310.00	43.94	-2.81	41.13	74.00	-32.87	PK	PASS
V	2390.00	47.64	-2.69	44.95	74.00	-29.05	PK	PASS
V	**2400.00	64.06	-2.68	61.38	74.00	-12.62	PK	PASS
Н	2310.00	32.24	-2.81	29.43	54.00	-24.57	AV	PASS
Н	2390.00	37.13	-2.69	34.44	54.00	-19.56	AV	PASS
Н	**2400.00	49.06	-2.68	46.38	54.00	-7.62	AV	PASS
V	2310.00	31.82	-2.81	29.01	54.00	-24.99	AV	PASS
V	2390.00	36.04	-2.69	33.35	54.00	-20.65	AV	PASS
V	**2400.00	47.02	-2.68	44.34	54.00	-9.66	AV	PASS

Test Mode	: GFSK(1Mbps	s)		CH High: 2480 MHz				
	Frequency	Reading	Factor	Emission	Limit	Margin	Detector	_
Pol.	(MHz)	(dBuV)	(dB/m)	level	(dBuV/m)	(dB)	Туре	Result
	(1011 12)	(abav)	(ub/iii)	(dBuV/m)	(aba v/m)	(40)	, ypc	
Н	**2483.50	48.67	-2.56	46.11	74.00	-27.89	PK	PASS
Н	2500.00	51.95	-2.54	49.41	74.00	-24.59	PK	PASS
V	**2483.50	50.01	-2.56	47.45	74.00	-26.55	PK	PASS
V	2500.00	50.71	-2.54	48.17	74.00	-25.83	PK	PASS
Н	**2483.50	36.23	-2.56	33.67	54.00	-20.33	AV	PASS
Н	2500.00	40.80	-2.54	38.26	54.00	-15.74	AV	PASS
V	**2483.50	37.00	-2.56	34.44	54.00	-19.56	AV	PASS
V	2500.00	41.65	-2.54	39.11	54.00	-14.89	AV	PASS

1. Emission Level = Reading + Factor, Margin= Emission Level – Limit.

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5.8 Radiated Spurious Emission

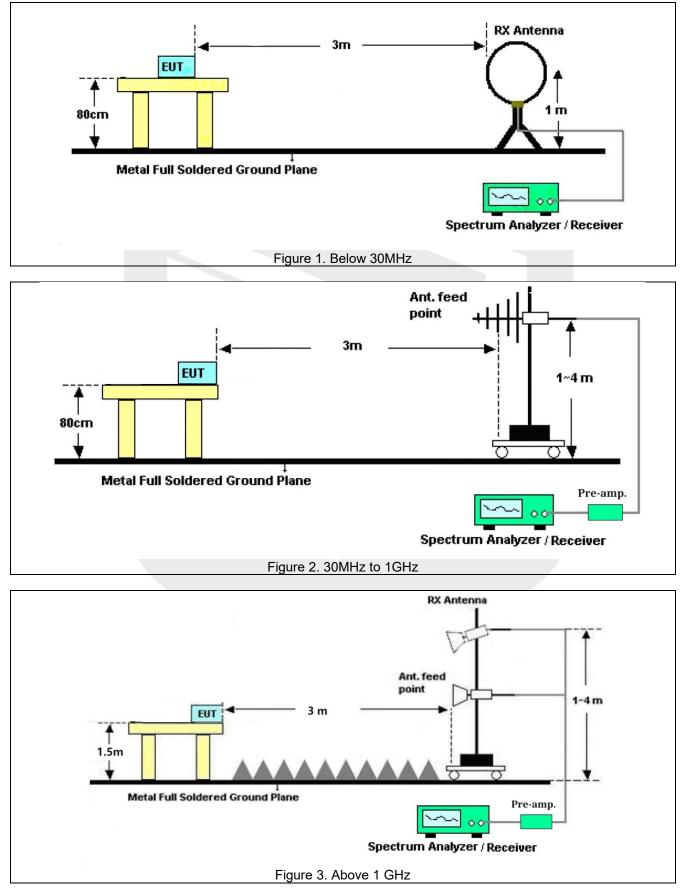
5.8.1 Test Requirement

		ns which fall in the restricted band						
Test Requirement	15.205(a), must also comply with the radiated emission limits specified in §							
	15.209(a)(see § 15.205(c)).							
	Frequency (MHz)	Field strength	Measurement					
		(microvolts/meter)	distance					
			(meters)					
	0.009-0.490	2400/F(kHz)	300					
	0.490-1.705	24000/F(kHz)	30					
	1.705-30.0	30	30					
	30-88	100 **	3					
	88-216	150 **	3					
	216-960	200 **	3					
	Above 960	500	3					
	** Except as provided in paragraph (g), fundamental emissions from intentional							
	radiators operating under this section shall not be located in the frequency bands							
Test Limit	54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within							
	these frequency bands is permitted under other sections of this part, e.g.,							
	§§ 15.231 and 15.241.							
	Note:							
	1) Field Strength (dB μ V/m) = 20*log[Field Strength (μ V/m)].							
	2) In the emission tables above, the tighter limit applies at the band edges.							
	3) For Above 1000 MHz, the emission limit in this paragraph is based on							
		on employing an average detector						
		detector function, corresponding t	o 20dB above the					
	maximum permitted average limit.							
	4) For above 1000 MHz, lim	t field strength of harmonics:						
	54dBuV/m@3m (AV) and 74	ldBuV/m@3m (PK).						
Test Method	ANSI C63.10-2020 section 6	6.6.4						

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5.8.2 Test Setup Diagram



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TRF No.: FCC Part 15 Subpart C_BLE (A01)

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5.8.3 Test Procedure

The measurement frequency range is from 9 kHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power.

Mid channels on all channel bandwidth verified. Only the worst RB size/offset presented.

The power of the EUT transmitting frequency should be ignored.

All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

Use the following spectrum analyzer settings:

Span = wide enough to fully capture the emission being measured

For 9kHz to 150kHz, Set the spectrum analyzer as:

RBW = 200Hz, VBW =1kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For 150kHz to 30MHz, Set the spectrum analyzer as: RBW = 9KHz, VBW =30kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For 30MHz to 1000MHz, Set the spectrum analyzer as: RBW = 100kHz, VBW =300kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For above 1GHz, Set the spectrum analyzer as: RBW =1MHz, VBW =1MHz, Detector= Peak, Trace mode= Max hold, Sweep- auto couple. RBW =1MHz, VBW =10Hz, Detector= Average, Trace mode= Max hold, Sweep- auto couple.

For measurement below 1GHz, If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported, Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

5.8.4 sTest Data

PASS.

Please to see the following pages.

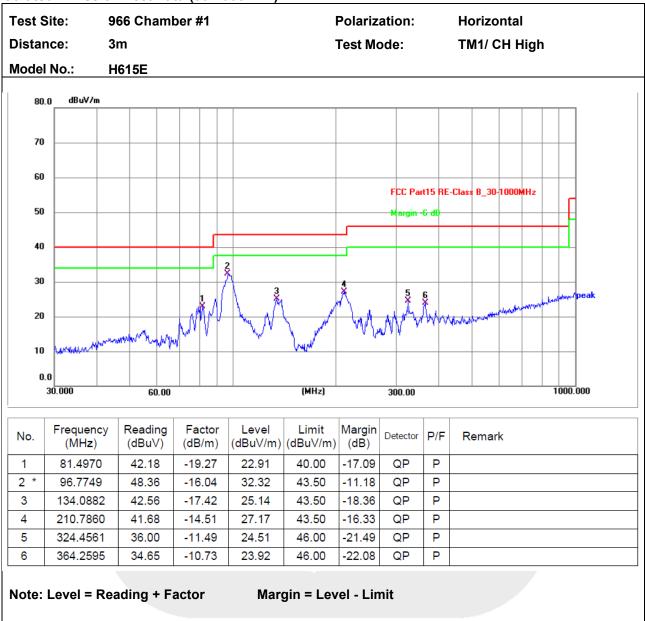
The test results of 9kHz-30MHz was attenuated more than 20dB below the permissible limits, so the results don't record in the report.

For test of 30MHz-1GHz, during the test, pre-scan all test modes, and found the BLE 1M mode is worse case, the report only record this mode.

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Radiated Emission Test Data (30-1000MHz)

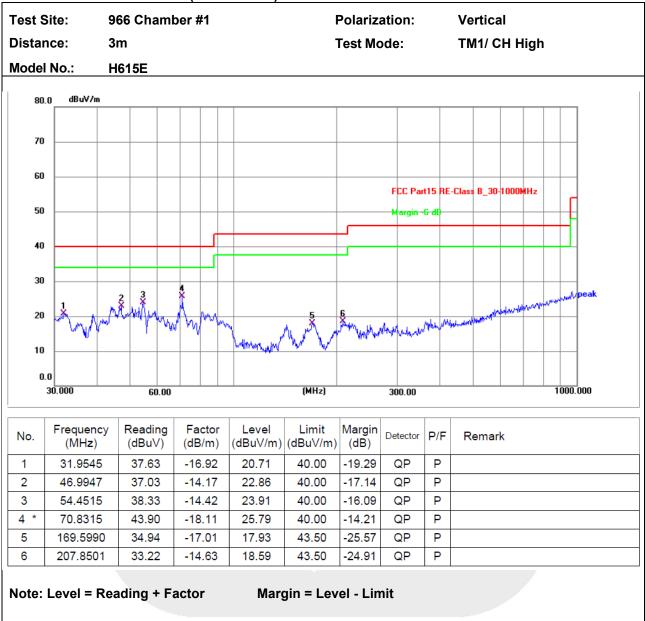


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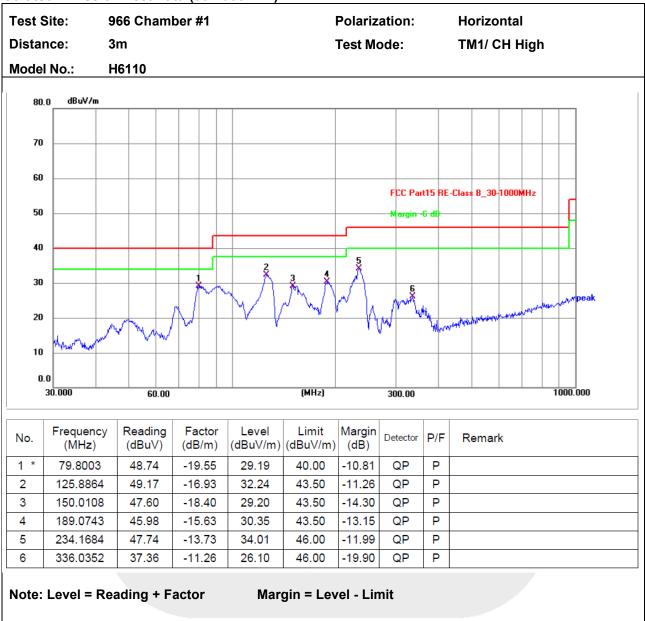
Radiated Emission Test Data (30-1000MHz)



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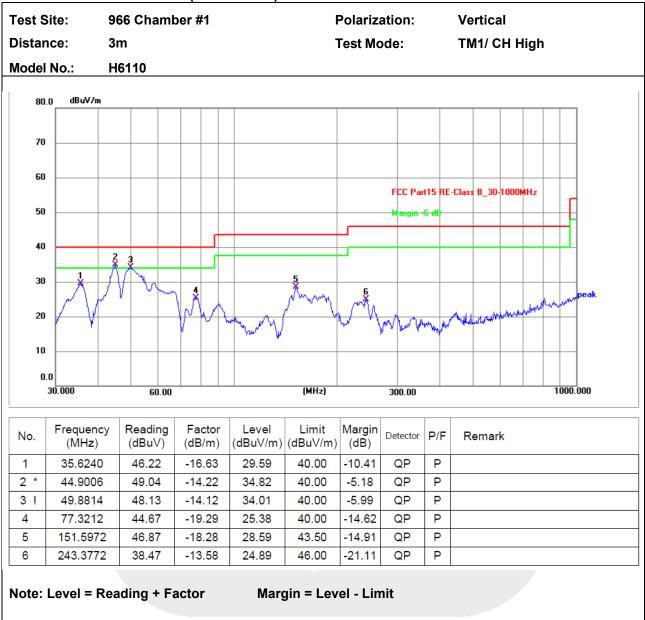




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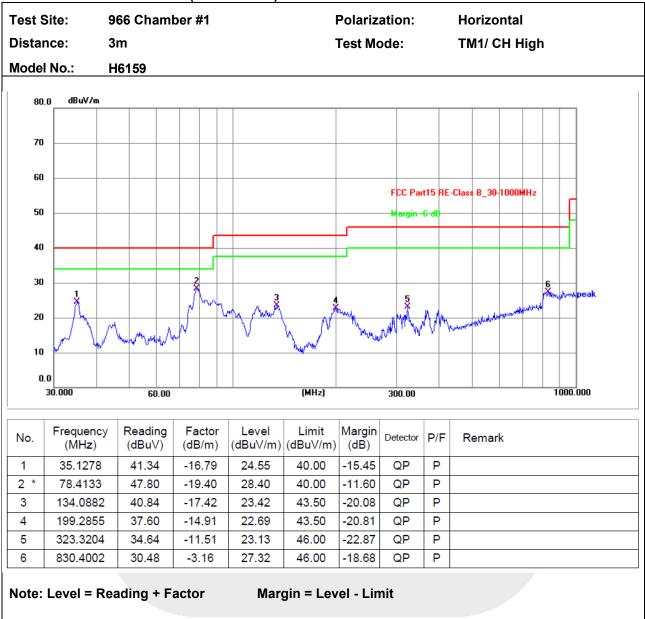




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Address: 101, Building B1, Fuqiao Fourth Area, Qiaotou Community, Fuhai Subdistrict, Baoan District, Shenzhen, Guangdong, China

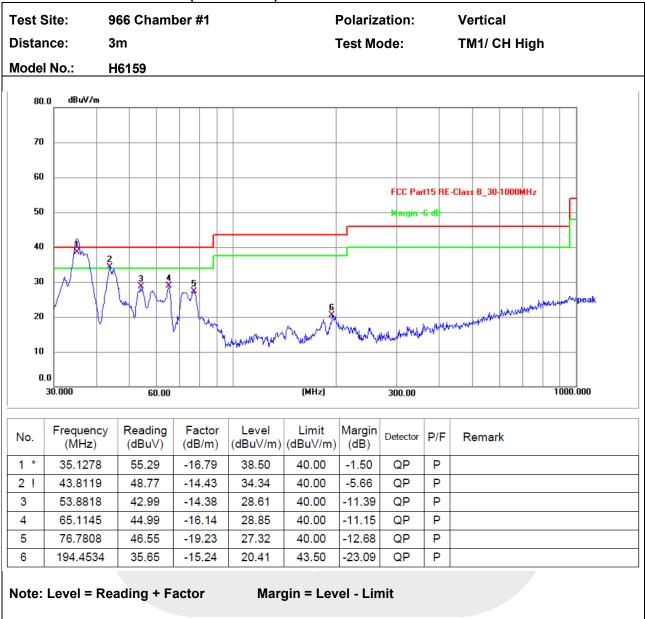




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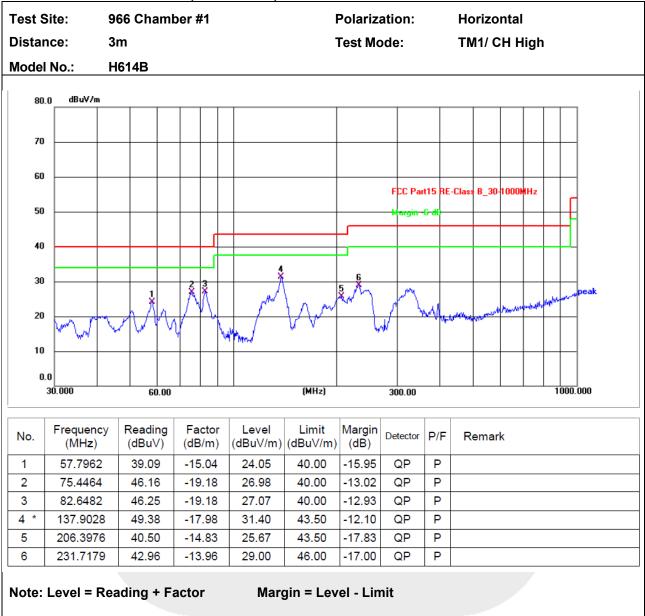




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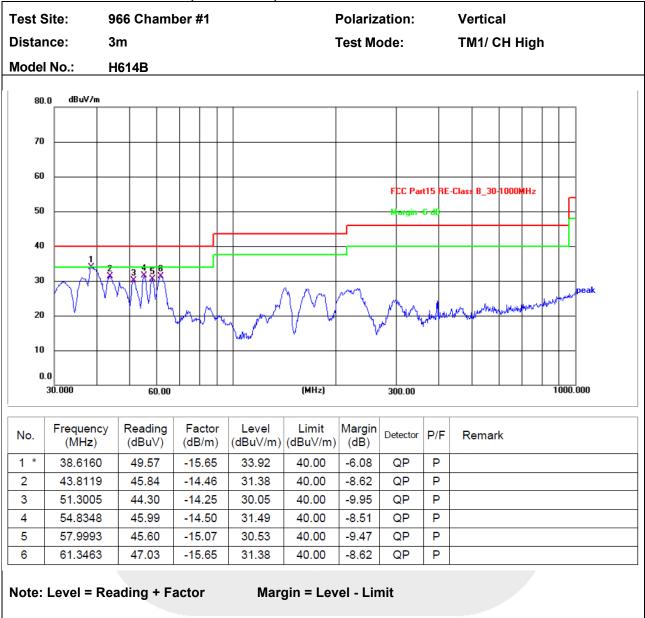




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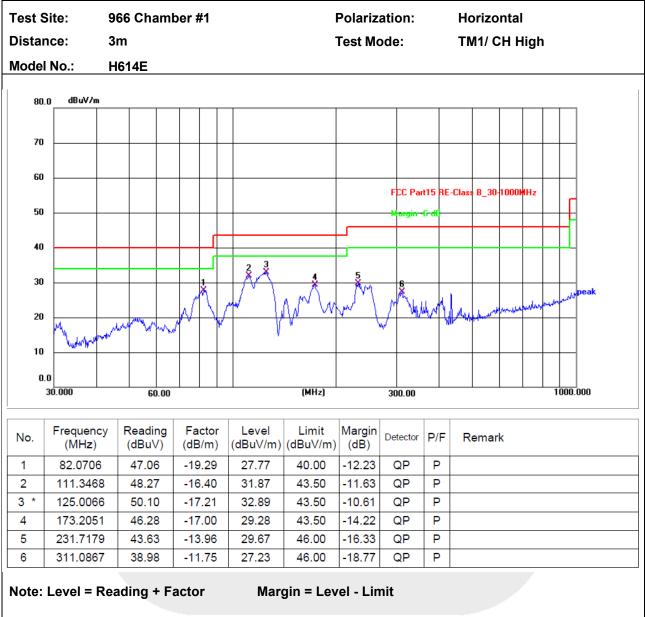




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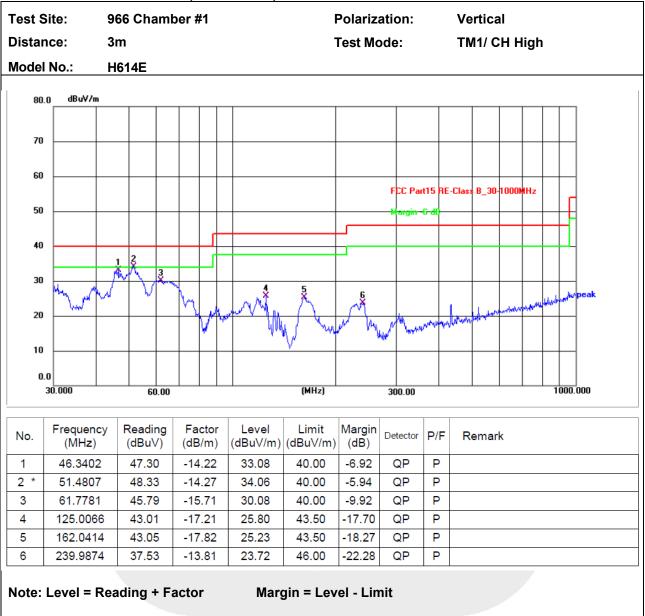




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Radiated Spurious Emission (1GHz-40GHz)

Test Mode: TX-GFSK					CH Low: 2402 MHz				
Pol.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type	Result	
V	4804.24	41.00	4.68	45.68	74.00	-28.32	PK	PASS	
V	7206.94	35.18	9.84	45.02	74.00	-28.98	PK	PASS	
V	9608.15	29.88	13.17	43.05	74.00	-30.95	PK	PASS	
V	12010.10	*	*	*	74.00	*	PK	PASS	
V	14412.93	*	*	*	74.00	*	PK	PASS	
V	16814.03	*	*	*	74.00	*	PK	PASS	
Н	4804.78	41.36	4.68	46.04	74.00	-27.96	PK	PASS	
Н	7206.01	34.12	9.84	43.96	74.00	-30.04	PK	PASS	
Н	9608.28	30.04	13.17	43.21	74.00	-30.80	PK	PASS	
Н	12010.42	*	*	*	74.00	*	PK	PASS	
Н	14412.56	*	*	*	74.00	*	PK	PASS	
Н	16814.55	*	*	*	74.00	*	PK	PASS	
V	4804.37	31.56	4.68	36.24	54.00	-17.76	AV	PASS	
V	7206.99	23.37	9.84	33.21	54.00	-20.79	AV	PASS	
V	9608.90	18.10	13.17	31.27	54.00	-22.74	AV	PASS	
V	12010.35	*	*	*	54.00	*	AV	PASS	
V	14412.85	*	*	*	54.00	*	AV	PASS	
V	16814.71	*	*	*	54.00	*	AV	PASS	
Н	4804.78	31.07	4.68	35.75	54.00	-18.25	AV	PASS	
Н	7206.01	23.04	9.84	32.88	54.00	-21.12	AV	PASS	
Н	9608.28	17.24	13.17	30.41	54.00	-23.60	AV	PASS	
Н	12010.42	*	*	*	54.00	*	AV	PASS	
Н	14412.56	*	*	*	54.00	*	AV	PASS	
Н	16814.55	*	*	*	54.00	*	AV	PASS	

Remark:

1. Emission Level = Reading + Factor, Margin= Emission Level – Limit.

2. "*" means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.

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Radiated Spurious Emission (1GHz-25GHz)

Test Mode: TX-GFSK					CH Middle: 2440 MHz				
Pol.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type	Result	
V	4880.38	42.50	4.92	47.42	74.00	-26.59	PK	PASS	
V	7320.54	35.02	9.83	44.85	74.00	-29.16	PK	PASS	
V	9760.17	28.70	13.22	41.92	74.00	-32.09	PK	PASS	
V	12200.86	*	*	*	74.00	*	PK	PASS	
V	14640.30	*	*	*	74.00	*	PK	PASS	
V	17080.78	*	*	*	74.00	*	PK	PASS	
Н	4880.34	40.10	4.92	45.02	74.00	-28.98	PK	PASS	
Н	7320.75	35.03	9.83	44.86	74.00	-29.15	PK	PASS	
Н	9760.82	29.22	13.22	42.44	74.00	-31.56	PK	PASS	
Н	12200.96	*	*	*	74.00	*	PK	PASS	
Н	14640.23	*	*	*	74.00	*	PK	PASS	
Н	17080.82	*	*	*	74.00	*	PK	PASS	
V	4880.40	32.86	4.92	37.78	54.00	-16.23	AV	PASS	
V	7320.44	22.27	9.83	32.10	54.00	-21.91	AV	PASS	
V	9760.37	17.59	13.22	30.81	54.00	-23.19	AV	PASS	
V	12200.96	*	*	*	54.00	*	AV	PASS	
V	14640.52	*	*	*	54.00	*	AV	PASS	
V	17080.93	*	*	*	54.00	*	AV	PASS	
Н	4880.34	30.90	4.92	35.82	54.00	-18.19	AV	PASS	
Н	7320.75	24.34	9.83	34.17	54.00	-19.84	AV	PASS	
Н	9760.82	17.27	13.22	30.49	54.00	-23.52	AV	PASS	
Н	12200.96	*	*	*	54.00	*	AV	PASS	
Н	14640.23	*	*	*	54.00	*	AV	PASS	
Н	17080.82	*	*	*	54.00	*	AV	PASS	

Remark:

1. Emission Level = Reading + Factor, Margin= Emission Level – Limit.

2. "*" means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.

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Radiated Spurious Emission (1GHz-25GHz)

Test Mode: TX-GFSK					CH High: 2480 MHz				
Pol.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Emission level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector Type	Result	
V	4960.39	40.71	5.17	45.88	74.00	-28.13	PK	PASS	
V	7440.42	35.95	9.83	45.78	74.00	-28.23	PK	PASS	
V	9920.31	30.87	13.27	44.14	74.00	-29.86	PK	PASS	
V	12400.28	*	*	*	74.00	*	PK	PASS	
V	14880.99	*	*	*	74.00	*	PK	PASS	
V	17360.32	*	*	*	74.00	*	PK	PASS	
Н	4960.07	41.66	5.17	46.83	74.00	-27.18	PK	PASS	
Н	7440.59	33.88	9.83	43.71	74.00	-30.29	PK	PASS	
Н	9920.38	29.93	13.27	43.20	74.00	-30.80	PK	PASS	
Н	12400.95	*	*	*	74.00	*	PK	PASS	
Н	14880.71	*	*	*	74.00	*	PK	PASS	
Н	17360.11	*	*	*	74.00	*	PK	PASS	
V	4960.96	32.70	5.17	37.87	54.00	-16.13	AV	PASS	
V	7440.20	23.27	9.83	33.10	54.00	-20.90	AV	PASS	
V	9920.60	19.69	13.27	32.96	54.00	-21.05	AV	PASS	
V	12400.75	*	*	*	54.00	*	AV	PASS	
V	14880.59	*	*	*	54.00	*	AV	PASS	
V	17360.87	*	*	*	54.00	*	AV	PASS	
Н	4960.07	30.31	5.17	35.48	54.00	-18.52	AV	PASS	
Н	7440.59	23.00	9.83	32.83	54.00	-21.18	AV	PASS	
Н	9920.38	19.64	13.27	32.91	54.00	-21.10	AV	PASS	
Н	12400.95	*	*	*	54.00	*	AV	PASS	
Н	14880.71	*	*	*	54.00	*	AV	PASS	
Н	17360.11	*	*	*	54.00	*	AV	PASS	

Remark:

1. Emission Level = Reading + Factor, Margin= Emission Level – Limit.

2. "*" means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.

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ANNEX A TEST SETUP PHOTOS

Please refer to the document "8225EU012405W-AA.PDF"

ANNEX B EXTERNAL PHOTOS

Please refer to the document "8225EU012405W-AB.PDF"

ANNEX C INTERNAL PHOTOS

Please refer to the document "8225EU012405W-AC.PDF"

ANNEX D TEST DATA

Please refer to the document "8225EU012405W-AD.PDF"

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STATEMENT

1. The laboratory guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.

2. The report without China inspection body and laboratory Mandatory Approval (CMA) mark has no effect of proving to the society.

3. For the report with CNAS mark or A2LA mark, the items marked with "☆" are not within the accredited scope.

4. This report is invalid if it is altered, without the signature of the testing and approval personnel, or without the "inspection and testing dedicated stamp" or test report stamp.

5. The test data and results are only valid for the tested samples provided by the customer.

6. This report shall not be partially reproduced without the written permission of the laboratory.

7. Any objection shall be raised to the laboratory within 30 days after receiving the report.

--- End of Report ---

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