FCC TEST REPORT

FCC ID: 2AYAL-YXL12P

Product	:	1000 WATT BI-AMP POWERED LOUDSPEAKER ENCLOSURE
Model Name	:	YXL12P,YXL10P,YXL15P
Brand	:	Yorkville
Report No.	:	PTC20061005102E-FC03
Prepared for		
Dongguan 3G Audio Technology Co., Ltd.		
Building 3, No.1 Nanqi street, Qiaodong road, Qiaotou town, Dongguan City, Guangdong province, China		
Prepared by		
Precise Testing & Certification Co., Ltd		
Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China		

TEST RESULT CERTIFICATION

Applicant's name	:	Dongguan 3G Audio Technology Co., Ltd.
Address	:	Building 3, No.1 Nanqi street, Qiaodong road, Qiaotou town, Dongguan City, Guangdong province, China
Manufacture's name	:	Dongguan 3G Audio Technology Co., Ltd.
Address	:	Building 3, No.1 Nanqi street, Qiaodong road, Qiaotou town, Dongguan City, Guangdong province, China
Product name	:	1000 WATT BI-AMP POWERED LOUDSPEAKER ENCLOSURE
Model name	:	XL12P,YXL10P,YXL15P
Test procedure		KDB 447498 D01 General RF Exposure Guidance v06
Test Date	:	Oct. 10, 2020 to Aug. 16, 2021
Date of Issue	:	Aug. 16, 2021
Test Result	:	Pass

This device described above has been tested by PTS, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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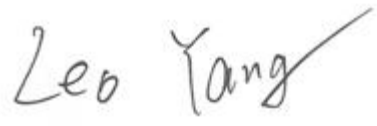
Test Engineer:



Leo Yang / Engineer

Technical Manager:

Chris Du / Manager

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2 Test Summary

Test Items	Test Requirement	Result
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	1.1307(b)(1)	PASS
Remark:		
N/A: Not Applicable		

3 General Information

3.1 General Description of E.U.T.

Product Name	:	1000 WATT BI-AMP POWERED LOUDSPEAKER ENCLOSURE
Model Name	:	YXL12P,YXL10P,YXL15P Note:The appearance and size of the products are different, and the product structure and principle are exactly the same
Bluetooth Version	:	BT 5.0 BDR+EDR+BLE
Operating frequency	:	2402-2480MHz
Numbers of Channel	:	79 channels for BR+EDR 40 channels for BLE
Antenna Type	:	PCB Antenna
Antenna Gain	:	0 dBi
Type of Modulation	:	GFSK, Π/4-DQPSK,8DPSK For DSS GFSK, For DTS
Power supply	:	Adapter model:N/A Input: 100-240V~ 50/60Hz 1.5A
Hardware Version	:	N/A
Software Version	:	N/A

4 RF Exposure

Test Requirement : FCC Part 1.1307(b)(1)

Evaluation Method : FCC Part 2.1091

4.1 Requirements

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 0.2 m normally can be maintained between the user and the device.

4.2 The procedures / limit

(A) Limits for Occupational / Controlled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	6
30-300	61.4	0.163	1.0	6
300-1500			F/300	6
1500-100,000			5	6

(B) Limits for General Population / Uncontrolled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1.0	30

Note: f = frequency in MHz ; *Plane-wave equivalent power density

4.3 MPE Calculation Method

E (V/m) = $\frac{\sqrt{30 \times P \times G}}{d}$ Power Density: Pd (W/m²) = $\frac{E^2}{377}$

E = Electric field (V/m)

P = Peak RF output power (W)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

The formula can be changed to

Pd = $\frac{30 \times P \times G}{377 \times d^2}$

From the peak EUT RF output power, the minimum mobile separation distance, d=0.2m, as well as the gain of the used antenna, the RF power density can be obtained

4.4 Test Result

Item	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (mW/cm2)	Limit of Power Density (mW/cm2)	Result
BLE	1	0.340	1.08	0.0002	1	Pass
BDR+EDR	1	-0.002	1.00	0.0002	1	Pass

******THE END REPORT******