



FCC TEST REPORT

FCC ID: 2BXRV-T2MAX

Product	:	Multifunctional Portable PA System
Model Name	:	T2 MAX
Brand	:	musiccube
Report No.	:	PTC26073034403E-FC03
Prepared for		
Shenzhen Liping Technology CO.,LTD.		
9F, Bldg 2, Baolong Specialized & Sophisticated Industrial Park, Longgang, Shenzhen, China		
Prepared by		
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Report No.: PTC26073034403E-FC03

TEST RESULT CERTIFICATION

Applicant's name : Shenzhen Liping Technology CO.,LTD.
Address : 9F, Bldg 2, Baolong Specialized & Sophisticated Industrial Park,
Longgang, Shenzhen, China
Manufacture's name : Shenzhen Liping Technology CO.,LTD.
Address : 9F, Bldg 2, Baolong Specialized & Sophisticated Industrial Park,
Longgang, Shenzhen, China
Product name : Multifunctional Portable PA System
Model name : T2 MAX
Test procedure : FCC CFR47 Part 1.1307(b)(1)
Test Date : August 11, 2026 to September 21, 2026
Date of Issue : September 21, 2026
Test Result : PASS

This device described above has been tested by PTC, 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:

A handwritten signature in black ink, appearing to read 'Jack Zhou'.

Jack zhou / Engineer

Technical Manager:

A handwritten signature in black ink, appearing to read 'Simon Pu'.

Simon Pu / Manager



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2 Test Summary

Test Items	Test Requirement	Result
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	FCC CFR47 Part 1.1307(b)(1)	PASS
Remark:		
N/A: Not Applicable		



3 General Information

3.1 General Description of E.U.T.

Product Name	:	Multifunctional Portable PA System
Model Name	:	T2 MAX
Specification	:	Bluetooth BDR+EDR; Bluetooth BLE
Operation Frequency	:	2402-2480MHz for BT
Number of Channel	:	79 channels for BDR+EDR 40 channels For DTS
Type of Modulation	:	GFSK, $\pi/4$ -DQPSK, 8DPSK For DSS GFSK, For DTS
Antenna installation	:	PCB antenna
Antenna Gain	:	2.24 dBi
Power supply	:	Input: 26V $\approx$ 4.8A 480W Adapter: Input: 100-240V $\sim$ 50/60Hz 2.0A Max Output: 26.0V $\approx$ 4.8A 124.8W
Hardware Version	:	2.0
Software Version	:	2.0



4 RF Exposure

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

Evaluation Method : KDB 447498 D01 General RF Exposure Guidance v06

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

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

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

$$P_d = \frac{30 \times P \times G}{377 \times d^2} \theta \phi$$

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

Mode	Antenna Gain (dbi)	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Tune up tolerance (dBm)	Max Tune Up Power (mW)	Power Density (mW/cm ²)	Limit of Power Density (mW/cm ²)	Result
2402(DH5)	2.24	1.67	0.17	0.17±1	1.309181923	0.000436234	1	Pass
2402(BLE_1M)	2.24	1.67	-0.65	-0.65±1	1.083926914	0.000361177	1	Pass

Conclusion:

1. Calculate in the worst-case mode.
2. Max. Tune Up Power is declared by manufacturer, and used to calculate.

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