FCC TEST REPORT

FCC ID: 2AIZY20S-02

Product	:	2.1Channel Soundbar with Wireless Subwoofer
Model Name	:	Live2,Live 2 PLUS
Brand	:	iDeaPLAY
Report No.	:	PTC20082901502E-FC04

Prepared for

IDEA ELECTRONICS INC

13620 Benson Ave. Suite B, Chino, CA. 91710 United States

Prepared by

Precise Testing & Certification Co., Ltd.

Building 1, No. 6, Tongxin Road, Dongcheng Street, Dongguan, Guangdong, China

TEST RESULT CERTIFICATION

Applicant's name	:	IDEA ELECTRONICS INC
Address	:	13620 Benson Ave. Suite B, Chino, CA. 91710 United States
Manufacture's name	:	Dongguan Aiue Electronic Technology Co., Ltd
Address	:	Room 103, No. 42, Yanhe East Street, Ailingkan Village, Dalingshan Town, Dongguan City, Guangdong Province,China
Product name	:	2.1Channel Soundbar with Wireless Subwoofer
Model name	:	Live2,Live2 PLUS
Test procedure		KDB 447498 D01 General RF Exposure Guidance v06
Test Date	:	Sep.4, 2020 to Sep. 24, 2020
Date of Issue	:	Sep. 24, 2020
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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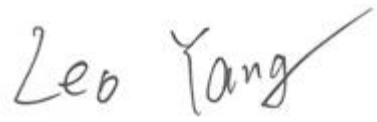
Test Engineer:



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	:	2.1Channel Soundbar with Wireless Subwoofer
Model Name		Live2,Live 2 PLUS Note:Different appearance colors, the others are the same
Bluetooth Version	:	BT 5.0 BDR+EDR
Operating frequency	:	BT:2402-2480MHz Microphone:662.9MHz
Numbers of Channel	:	BT:79 channels Microphone:1 Channel
Antenna Type	:	BT:PCB Antenna Microphone:Internal antenna
Antenna Gain	:	0 dBi
Type of Modulation	:	GFSK, Π/4-DQPSK,8DPSK For DSS
Power supply	:	Adapter model:N/A Input:120V 60HZ Output:24V/1.6A/2A
Hardware Version	:	V4.0
Software Version	:	V4.0
crystal oscillator.		BT:24MHz Microphone:24Mhz
module chip.		BT:GE8U778 Microphone:KT106T

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
BT	1.00	1.268	1.34	0.0003	1	Pass
662.9	1.00	10.09	10.21	0.0020	1	Pass

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