FCC TEST REPORT

FCC ID: 2AZ43-B901

Product	:	5.1 Channel Home Theater System
Model Name	:	B901
Brand	:	N/A
Report No.	:	PTC21062405702E-FC03

Prepared for

MOSWS INTERNATIONAL LIMITED

FLAT/RM 07 BLK B 5/F KING YIP FACTORY BUILDING 59 KING YIP STREET KWUN TONG

Prepared by

Precise Testing & Certification Co., Ltd

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

TEST RESULT CERTIFICATION

Applicant's name	:	MOSWS INTERNATIONAL LIMITED
Address	:	FLAT/RM 07 BLK B 5/F KING YIP FACTORY BUILDING 59 KING YIP STREET KWUN TONG
Manufacture's name	:	Shenzhen City Enkor Electronics Ltd.
Address	:	the 2nd&3rd floor,Building P and building Q,Shengguang Ind.park,152#Donghuan Road,Huangpu Xinqiao street,Bao'an District,Shenzhen,China
Product name	:	5.1 Channel Home Theater System
Model name	:	B901
Test procedure		FCC CFR47 Part 15 Section 15.247
Test Date	:	ANSI C63.10:2013
Date of Issue	:	Jul. 15, 2021 to Jul. 20, 2021
Test Result	:	Jul. 20, 2021

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	:	5.1 Channel Home Theater System
Model Name	:	B901
Additional model		H7922.B901;B902;B903;B904;B905;B906;B907;B908;B909;B910;B911;B912;B913;B914;B915;B916;B917;B918;B919;B920;H7901;H7902;H7910;H7911;H7912;H7913;H7915;H7916;H7923;H7925;H7928;H7933;H7935;H7936;H7937; H7938;H7903;H7905;H7906;H7907;H7919;H7920;H7921;B901;H7926; H7927;H7929;H7930;H7931;H7932
Bluetooth Version	:	BT 5.0 BDR+EDR；BLE
Operating frequency	:	2402-2480MHz
Numbers of Channel	:	79 channels For BR+EDR; 40 channels For BLE
Type of Modulation	:	GFSK, Π/4-DQPSK,8DPSK For DSS; GFSK For BLE;
Antenna Type	:	PCB Antenna
Antenna Gain	:	-0.68 dBi
Power supply	:	Adapter :Input: AC 120V/60Hz
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
BR+EDR	0.86	-4.82	0.33	0.000565	1	Pass
BLE	0.86	2.306	1.7	0.0029	1	Pass

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