FCC TEST REPORT

FCC ID: 2ACFQ-S6

Product	:	Wireless Speaker
Model Name	:	Xtream S6,Xtream S1,Xtream S2,Xtream S3,Xtream S4,Xtream S7, Xtream S8,Xtream S9,Xtream S100,Xtream S200,Xtream S300, Xtream S400,Xtream S500,Xtream S600,Xtream S700,Xtream S800, Xtream S900
Brand	:	Adesso
Report No.	:	PTC20092401103E-FC02

Prepared for

ADESSO INC.

160 Commerce Way Walnut, CA 91789, U.S.A.

Prepared by

Precise Testing & Certification Co., Ltd

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

TEST RESULT CERTIFICATION

Applicant's name	:	ADESSO INC.
Address	:	160 Commerce Way Walnut, CA 91789, U.S.A.
Manufacture's name	:	ADESSO ELECTRONICS INC.
Address	:	No.5,ChengDa East St.,Xiagang Community,Changan,DongGuan, China
Product name	:	Wireless Speaker
Model name	:	Xtream S6,Xtream S1,Xtream S2,Xtream S3,Xtream S4,Xtream S7, Xtream S8,Xtream S9,Xtream S100,Xtream S200,Xtream S300, Xtream S400,Xtream S500,Xtream S600,Xtream S700,Xtream S800,Xtream S900
Test procedure	:	KDB 447498 D01 General RF Exposure Guidance v06
Test Date	:	Oct. 09, 2020 to Nov. 05, 2020
Date of Issue	:	Nov. 05, 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

Contents

Page

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	:	Wireless Speaker
Model Name	:	Xtream S6
Additional model		Xtream S1,Xtream S2,Xtream S3,Xtream S4,Xtream S7, Xtream S8,Xtream S9,Xtream S100,Xtream S200,Xtream S300, Xtream S400,Xtream S500,Xtream S600,Xtream S700,Xtream S800, Xtream S900 Note:The color and appearance are different, other circuits are the same
Bluetooth Version	:	BT 5.0 BDR+EDR
Operating frequency	:	2402-2480MHz
Numbers of Channel	:	79 channels
Antenna Type	:	PCB Antenna
Antenna Gain	:	-0.58 dBi
Type of Modulation	:	GFSK, Π/4-DQPSK,8DPSK For DSS
Power supply	:	Adapter model:N/A Input: DC 5V, 1A(with 3.7V 2000mHA Battery inside)
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
BT	0.87	1.268	1.34	0.0002	1	Pass

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