

FCC TEST REPORT

FCC ID: 2AIWRTRILOGY

Product	:	Wireless headphone
Model Name	:	Trilogy,SM-BT670
Brand	:	SoundPal
Report No.	:	PTC801011160613E-FC02
Prepared for		
The One Technologies LLC		
44 court street,suite 1217,Brooklyn,NY 11201,USA		
Prepared by		
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TEST RESULT CERTIFICATION

Applicant's name : The One Technologies LLC
Address : 44 court street,suite 1217,Brooklyn,NY 11201,USA
Manufacture's name : Senmai Electron Ltd.
Address : Block 8,Wangxin Road,Shuiling Industrial Zone,Zhouwu District,Dongcheng,Dongguan,Guangdong,China
Product name : Wireless headphone
Model name : Trilogy,SM-BT670
Standards : FCC CFR47 Part 1.1307(b)(1)
Test procedure : KDB 447498 D01 General RF Exposure Guidance v05
Test Date : Jun.17, 2016 ~ Jun.27, 2016
Date of Issue : Jun.28, 2016
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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Contents

	Page
2 TEST SUMMARY.....	4
3 GENERAL INFORMATION.....	5
3.1 GENERAL DESCRIPTION OF EUT	5
4 RF EXPOSURE.....	6
4.1 REQUIREMENTS	6
4.2 THE PROCEDURES / LIMIT	6



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 EUT

Product Name	:	Wireless headphone
Model Name	:	Trilogy,SM-BT670
Model Description	:	Only the model names are different
Bluetooth Version	:	V4.1+HS
Operating frequency	:	2402-2480MHz
Max. RF output power	:	-1.14dBm
Type of Modulation	:	GFSK, Pi/4 DQPSK,8DPSK
Antenna installation:	:	PCB printed antenna
Antenna Gain:	:	0dBi
Power supply	:	DC 3.7V 450mAh Power by battery, DC 5V charging by USB port

4 RF Exposure

Test Requirement : FCC Part 1.1307

Evaluation Method : KDB 447498 D01 General RF Exposure Guidance v05

4.1 Requirements

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances \leq 50 mm are determined by:

$$\left[\frac{\text{max. power of channel, including tune-up tolerance, mW}}{\text{min. test separation distance, mm}} \right] \cdot \left[\sqrt{f(\text{GHz})} \right] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR where}$$

1. $f(\text{GHz})$ is the RF channel transmit frequency in GHz
2. Power and distance are rounded to the nearest mW and mm before calculation
3. The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

4.2 The Result:

$P_t = -1.14 \text{ dBm} = 0.77 \text{ mW}$

The result is rounded to one decimal place for comparison Worse case is as below: [2402 MHz – 0.77 mW output power]

$$(0.77 \text{ mW} / 5 \text{ mm}) \cdot \left[\sqrt{2.402 \text{ (GHz)}} \right] = 0.24 < 3.0 \text{ for 1 - g SAR}$$

Then SAR evaluation is not required

NOTE: For the maximum power, you can refer FCC test report.

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