

RF Exposure Measurement and Test Report

For

ATI Electronics (Shenzhen) Co. Ltd

**1/F, B Tower, Shengdelan Industrial Park, Kukeng Village, Guanlan
Town, Shenzhen, China.**

FCC ID: SF4-SH805C

FCC Rule(s):	<u>KDB 447498</u>
Product Description:	<u>Bluetooth Headset</u>
Tested Model:	<u>SH805</u>
Report No.:	<u>STR16048047I-2</u>
Tested Date:	<u>2016-04-07 to 2016-04-15</u>
Issued Date:	<u>2016-04-15</u>
Tested By:	<u>Jong Wang / Engineer</u>
Reviewed By:	<u>Silin Chen / EMC Manager</u>
Approved & Authorized By:	<u>Jandy so / PSQ Manager</u>
Prepared By:	

Jong Wang

Silin Chen

Jandyso

Shenzhen SEM.Test Technology Co., Ltd.

1/F, Building A, Hongwei Industrial Park, Liuxian 2nd Road,
Bao'an District, Shenzhen, P.R.C. (518101)

Tel.: +86-755-33663308 Fax.: +86-755-33663309 Website: www.semtest.com.cn

Note: This test report is limited to the above client company and the product model only. It may not be duplicated without prior permitted by Shenzhen SEM.Test Technology Co., Ltd.

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1. GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

Client Information

Applicant: ATI Electronics (Shenzhen) Co. Ltd
Address of applicant: 1/F, B Tower, Shengdelan Industrial Park, Kukeng Village, Guanlan Town, Shenzhen, China.
Manufacturer: ATI Electronics (Shenzhen) Co. Ltd
Address of manufacturer: 1/F, B Tower, Shengdelan Industrial Park, Kukeng Village, Guanlan Town, Shenzhen, China.

General Description of EUT	
Product Name:	Bluetooth Headset
Trade Name:	BlueXtel
Model No.:	SH805
Adding Model(s):	SH805C, SH805X ("X" can be A-Z, denoting the different appearance), MI-BTE41
Rated Voltage:	DC 3.7V Battery
Power Adapter Model:	/
<i>Note: The test data is gathered from a production sample provided by the manufacturer. The appearance of others models listed in the report is different from main-test model SH805, but the circuit and the electronic construction do not change, declared by the manufacturer.</i>	

Technical Characteristics of EUT	
Bluetooth Version:	V3.0+EDR
Frequency Range:	2402-2480MHz
RF Output Power:	6.657dBm (Conducted)
Data Rate:	1Mbps, 2Mbps, 3Mbps
Modulation:	GFSK, Pi/4 QDPSK, 8DPSK
Quantity of Channels:	79
Channel Separation:	1MHz
Type of Antenna:	PCB
Antenna Gain:	0 dBi
Lowest Internal Frequency of EUT:	16MHz

2. SUMMARY OF TEST RESULTS

FCC Rules	Description of Test Item	Result
§ 2.1093	RF Exposure	Compliant

N/A: not applicable

3. RF Exposure

3.1 Standard Applicable

According to § 1.1307 and § 2.1093, the portable transmitter must comply the RF exposure requirements.

3.2 Test Result

According to the KDB 447498 D01 v06, the following RF exposure evaluation shall to demonstrate RF exposure compliance.

Tx frequency range: 2402~2480MHz

Device category: Portable device (Distance: 5mm)

Maximum Conducted Output Power: 6.657dBm

Maximum Conducted Output Power: 4.63mW

Limit: 10mW

Source-based time-averaged Conducted output power is $4.63\text{mW} < 10\text{mW}$

So the transmitter complies with the RF exposure requirements and the SAR is not required.