MPE Test Report

Report No.:	XRX-17OC1196VCSPB-2
FCC ID:	2AC8UA1702
Product:	Amazfit Cor
Model:	A1702
Received Date:	Nov.01, 2017
Test Date:	Nov.10 to Nov.20, 2017
Issued Date:	Nov.25, 2017
Applicant:	Anhui Huami Information Technology Co.,Ltd.
Address:	Building A4, 12th Floor, No. 800 Wangjiang Road, Hefei, China (230088)
Manufacturer:	Anhui Huami Information Technology Co.,Ltd.
Address:	Building A4, 12th Floor, No. 800 Wangjiang Road, Hefei, China (230088)
Issued By:	BUREAU VERITAS ADT (Shanghai) Corporation
Lab Address:	No. 829, Xinzhuan Road, Shanghai, P.R.China (201612)

Table of Contents

Release Control Record

Issue No.	Description	Date Issued
XRX-17OC1196VCSPB-2	Original release	Nov.25, 2017

1 Certificate of Conformity

Product:	Amazfit Cor
Brand:	Amazfit
Model:	A1702
Applicant:	Anhui Huami Information Technology Co.,Ltd.
Test Date:	Nov.10 to Nov.20, 2017
Standards:	FCC Part 2 (Section 2.1093) KDB 447498 D01 General RF Exposure Guidance v06

The above equipment has been tested by **BUREAU VERITAS ADT (Shanghai) Corporation**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

Prepared by : Bing YE , **Date:** Nov.25, 2017

Testing Engineer

Approved by : Joy ZHU , **Date:** Nov.25, 2017

Testing Manager

2 General Information

2.1 General Description of EUT

Product	Amazfit Cor
Brand	Amazfit
Test Model	A1702
Model Difference	--
Power Rating	DC5V
Modulation Type	GFSK
Modulation Technology	Bluetooth Low Energy 4.0
Operating Frequency	2.402 ~ 2.480GHz
Number of Channel	40
Antenna Type	PCB antenna
Antenna Connector	--
Antenna Gain	-7dBi

Note: For more details, please refer to the User's manual of the EUT.

3 Test Standards and Limits

3.1 Limits For FCC Radiofrequency radiation exposure:

According to §15.247 (i) and §1.1307(b)(1),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 level in excess of the Commission's guidelines.

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

[(max power of channel)/(min test separation distance)]*[$\sqrt{f_{(GHz)}}$]≤3.0 for 1-g SAR and ≤7.5 for 10-g extremity SAR, where

- $f_{(GHz)}$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest Mw and mm
- The result is rounded to one decimal place for comparison

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

Routine SAR evaluation refers to that specifically required by § 2.1093, using measurements or computer simulation. When routine SAR evaluation is not required, portable transmitters with output power greater than the applicable low threshold require SAR evaluation to qualify for TCB approval.

4 Measurement and Calculation

4.1 Maximum transmit power

The Power Data is based on the RF Test Report XRX-17OC1196CSPB-1

Test Mode	CH	Test Channel	Power[dBm]	Power[mW]	Limit[dBm]
BLE	Low	2402	-4.89	0.32	30
BLE	Mid	2440	-4.88	0.33	30
BLE	High	2480	-4.69	0.34	30

One antenna is available for the EUT (BLE antenna).

BLE Mode:

The maximum average output power in Low channel of Bluetooth is -4.89 dBm=0.32mW

The calculation results=0.32/5*√ 2.402=0.041<3

The maximum average output power in Mid channel of Bluetooth is -4.88 dBm=0.33mW

The calculation results=0.33/5*√ 2.440=0.042<3

The maximum average output power in High channel of Bluetooth is -4.69 dBm=0.34mW

The calculation results=0.34/5*√ 2.480=0.043<3

Test Result: Pass

--- END ---