

FCC TEST REPORT

FCC ID: 2AIGPH1

Product Name : CoWatch

Model Name : H1

Brand : iMCO

Report No. : PT800321160428E-FC03

Prepared for

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Prepared by

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TEST RESULT CERTIFICATION

Applicant's name : Shenzhen Hongtuo Tongda Electronics Technology Co.Ltd
Address : 02/1F,Block 2,East Industrial Park, Minqiang Community, Longhua New District, Shenzhen, Guangdong, China
Manufacture's name : Shenzhen Hongtuo Tongda Electronics Technology Co.Ltd
Address : 02/1F,Block 2,East Industrial Park, Minqiang Community, Longhua New District, Shenzhen, Guangdong, China
Product name : CoWatch
Model name : H1
Standards : FCC CFR47 Part 1.1307(b)(1)
Test procedure : KDB 447498 D01 General RF Exposure Guidance v05
Test Date : May. 05, 2016 ~ May. 24, 2016
Date of Issue : May. 26, 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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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	:	CoWatch
Model Name	:	H1
Model Description	:	N/A
Bluetooth Version:	:	V4.1
Frequency Range:	:	For BT(Normal) 2402-2480MHz, 79 channels For BLE: 2402-2480MHz, 40 channels For WIFI 802.11b/g/n-HT20:2412-2462MHz, 11 channels 802.11n-HT40: 2422-2452MHz:7 channels
Antenna installation:	:	Integrated Antenna
Antenna Gain:	:	0.5dBi
Type of Modulation	:	For BT(Normal) GFSK, Pi/4DQPSK, 8DPSK For BLE: GFSK For WIFI: IEEE 802.11b CCK/QPSK/BPSK IEEE 802.11g BPSK/QPSK/16QAM/64QAM
Power supply	:	DC3.7V 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:

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

$f(\text{GHz})$ is the RF channel transmit frequency in GHz

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 \leq 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 procedures / limit

Item	Conducted Peak power(dBm)	Conducted Peak power(mW)	Source-based time-averaged maximum conducted output power(mW)	Minimum test separation distance required for the exposure conditions (mm)	SAR Test Exclusion Thresholds(mW)
BT	2.90	1.883	1.883	5	9.525
BLE	7.20	5.248	5.248	5	9.525
WIFI	9.48	8.872	8.872	5	9.525
Remark: Max. duty factor is 100%					
Calculation formula: Source-based time-averaged maximum conducted output power(mW) = Conducted peak power(mW)*Duty factor					

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