



A Test Lab Techno Corp.

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SAR Test Exclusion Evaluation



Test Report No.	: 1505FS11
Applicant	: Mobile Action Technology Inc
Manufacturer	: Heisei Technology Co., Ltd.
Product Type	: Bluetooth 4.0 Low Energy Wristband
Trade Name	: i-gotU
Model Number	: Q-70, Q-70x, Q-70a, Q-70c, Q-70e, Q-70g
Dates of Received	: May 06, 2015
Dates of Test	: May 13, 2015
Dates of Issued	: May 22, 2015
Test Specification	: 47 CFR § 2.1093 KDB 447498 D01 General RF Exposure Guidance v05r02 KDB 865664 D01 SAR Measurement 100 MHz to 6 GHz v01r03 KDB 865664 D02 RF Exposure Reporting v01r01
Location of Test Lab.	: Chang-an Lab.

1. The test operations have to be performed with cautious behavior, the test results are as attached.
2. The test results are under chamber environment of A Test Lab Techno Corp. A Test Lab Techno Corp. does not assume responsibility for any conclusions and generalizations drawn from the test results with regard to other specimens or samples.
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4. This document may be altered or revised by A Test Lab Techno. Corp. personnel only, and shall be noted in the revision section of the document.

Approved By : Bill Hu
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1. Description of Equipment under Test (EUT)

Applicant	Mobile Action Technology Inc
Applicant Address	5F., No. 205-3, Sec. 3, Beishin Rd., Shindian City , 231 Taipei,Taiwan
Manufacturer	Heisei Technology Co., Ltd.
Manufacturer Address	2F., No.5, Aly. 8, Ln.45., Baoxing Rd., Xindian Dist., New Taipei City 231, Taiwan, R.O.C.
Product Type	Bluetooth 4.0 Low Energy Wristband
Trade Name	i-gotU
Model Number	Q-70, Q-70x, Q-70a, Q-70c, Q-70e, Q-70g
Different Description	These model numbers differ from each other in selling region.
FCC ID	Q7Z-15070R1
Frequency Range	2402 - 2480 MHz
Transmit Power (conducted power)	0.00265 W / 4.24 dBm
Antenna Specification	-13.6 dBi
Antenna Designation	Chip Antenna

The above equipment was tested by A Test Lab Techno Corp. For compliance with the requirements set forth in 47 CFR § 2.1093. The results of testing in this report apply only to the product/system, which was tested. Other similar equipment will not necessarily produce the same results due to production tolerance and measurement uncertainties.



2. SAR Test Exclusion

As RF exposure evaluation of portable device, SAR test is not required when the evaluation results . According to KDB 447498 4.3.1, unless excluded by specific FCC test procedures, portable devices shall include SAR data for equipment approval. SAR test necessity will be based on the exclusion result.

The test exclusion refers KDB 447498 as below:

≤50mm:

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

>50mm and <200mm:

- a) $[\text{Power allowed at numeric threshold for 50 mm in step 1}) + (\text{test separation distance} - 50 \text{ mm}) \cdot (f(\text{MHz})/150)] \text{ mW}$, at 100 MHz to 1500 MHz
- b) $[\text{Power allowed at numeric threshold for 50 mm in step 1}) + (\text{test separation distance} - 50 \text{ mm}) \cdot 10] \text{ mW}$ at > 1500 MHz and ≤ 6 GHz

2.1 Conducted Power

Band	CH	Frequency (MHz)	Average Conducted power (dBm)
Bluetooth v4.0 LE	0	2402	1.94
	19	2440	3.20
	39	2480	4.24

2.2 Evaluation Results

The evaluation of SAR test reduction according to KDB447498

SAR test is not required when the results showed "SAR is not required".

≤ 50 mm								
Band	Channel	Power (dBm)	Frequency (GHz)	distance (mm)	Power (mW)	Result	Limit	exclusion considerations
Bluetooth v4.0LE	39	4.24	2.48	5	3	0.9	7.5	SAR _{10g} SAR is not required