

## RF Exposure Evaluation declaration

Product Name : BLUETOOTH Watch  
Model No. : 8471\_41\_01\_50  
FCC ID. : ZUJ-MBT-53B1

Applicant : Pebble Technology Corporation

Address : 639 High St, Palo Alto, CA 94301, United States

Date of Receipt : 2012/11/15  
Date of Declaration : 2012/12/11  
Report No. : 12B259R-RF-US-Exp  
Report Version : V1.0



The declaration results relate only to the samples calculated.

The declaration shall not be reproduced except in full without the written approval of Quietek Corporation.

## 1. RF Exposure Evaluation

### 1.1. Limits

According to 1.1307(b)(1), system operating under the provisions of this section shall be operated in manner that ensure that the public is not exposed to radio frequency energy level in excess of the Commission's guideline.

No SAR required for output power as below thresholds:

f = GHz, d = Distance (between radiated device and the body)

**When  $d < 2.5\text{cm}$ , Output Power =  $(60/f)$  mW**

Ex: f = 2.4GHz, Output Power =  $(60/2.4) = 25\text{mW}$  (13.98dBm)

### 1.2. Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

The temperature and related humidity: 18°C and 78% RH.

### 1.3. Test Result of RF Exposure Evaluation

|                |                        |
|----------------|------------------------|
| Product        | BLUETOOTH Watch        |
| Test Mode      | Mode 1: Transmit       |
| Test Condition | RF Exposure Evaluation |

#### Antenna Gain

Antenna Gain: The maximum Gain measured in fully anechoic chamber is 6.2dBi or 4.17 in linear scale.

#### Output Power into Antenna

| Channel | Channel Frequency (MHz) | Output Power to Antenna (mW) | EIRP (mW) | Output Power threshold (mW) (d < 2.5cm) |
|---------|-------------------------|------------------------------|-----------|---|
| 00      | 2402.00                 | 2.36                         | 9.84      | 24.98                                   |
| 39      | 2441.00                 | 1.91                         | 7.96      | 24.58                                   |
| 78      | 2480.00                 | 1.70                         | 7.08      | 24.19                                   |

#### Conclusion:

No SAR evaluation required, since transmitter output power is below threshold.