



TEST REPORT No.: (5215)250-1607(A)

## FCC SAR EXCLUSION REPORT

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Folder No.:	LAT-15SE052ETHS-B	Test date :	2015-09-23

MANUFACTURER OR SUPPLIER NAME:	--	
MANUFACTURER OR SUPPLIER ADDRESS:	--	
PRODUCT:	OLED Wrist band	
MODEL REFERENCE:	D02J72	
ADDITIONAL MODEL & MODEL DIFFERENCE:	--	
RATED VOLTAGE:	3.7Vd.c. ("Rechargeable Battery" x 1) Computer: 120Va.c., 60Hz	
FCC ID:	WM4808	
SAMPLE NO.:	HK150904/020	

**The results given in this report are related to the tested specimen of the described electrical apparatus:**

**FCC Part 2 (Section 2.1091)  
KDB 447498 D01 v05r02  
IEEE C95.1**

**CONCLUSION: The submitted sample was found to COMPLY with the requirement**

Assistant Manager,  
EMC Department

Name: Law Man Kit  
Date: October 19, 2015

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## RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
(5215)250-1607(A)	Original release	Oct. 19, 2015

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### 1. CERTIFICATION

<b>FCC ID:</b>	WM4808
<b>PRODUCT:</b>	OLED Wrist band
<b>BRAND NAME:</b>	N/A
<b>MODEL NO.:</b>	D02J72
<b>ADDITIONAL NO.:</b>	N/A
<b>TEST SAMPLE:</b>	Engineering Sample
<b>APPLICANT:</b>	Latitude Limited
<b>STANDARDS:</b>	FCC Part 2 (Section 2.1091)
	KDB 447498 D01v05r02
	IEEE C95.1

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### 2. RF EXPOSURE DEFINE

The corresponding SAR Exclusion Threshold condition, listed below:

- 1) 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:  
[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)]  $\cdot$   $\sqrt{f(\text{GHz})}$   $\leq$  3.0 for 1-g SAR and  $\leq$  7.5 for 10-g extremity SAR, 16 where
  - •  $f(\text{GHz})$  is the RF channel transmit frequency in GHz
  - • Power and distance are rounded to the nearest mW and mm before calculation
  - • 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.
- 2) At 100 MHz to 6 GHz and for test separation distances  $>$  50 mm, the SAR test exclusion threshold is determined according to the following:
  - a) [Threshold at 50 mm in step 1) + (test separation distance - 50 mm)  $\cdot$  (f(MHz)/150)] mW, at 100MHz to 1500 MHz
  - b) [Threshold at 50 mm in step 1) + (test separation distance - 50 mm)  $\cdot$  10] mW at  $>$  1500 MHz and  $\leq$  6 GHz
- 3) At frequencies below 100 MHz, the following may be considered for SAR test exclusion.
  - a) The threshold at the corresponding test separation distance at 100 MHz in step 2) is multiplied by  $[1 + \log(100/f(\text{MHz}))]$  for test separation distances  $>$  50 mm and  $<$  200 mm.
  - b) The threshold determined by the equation in a) for 50 mm and 100 MHz is multiplied by  $\frac{1}{2}$  for test separation distances  $\leq$  50 mm.
  - c) SAR measurement procedures are not established below 100 MHz. When SAR test exclusion cannot be applied, a KDB inquiry is required to determine SAR evaluation requirements for any test results to be acceptable.

### 3. CLASSIFICATION

The antenna of this product, under normal use condition, is at less than 20cm away from the body of the user. So, this device is classified as **Portable Device**.

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#### **4. SAR TEST EXCLUSION THRESHOLDS**

According to the KDB 447498:

The maximum Average output power specified is -4.98dBm = 0.318mW

The SAR Exclusion Threshold Level:

$$= 3.0 * (\text{min. test separation distance, mm}) / \sqrt{\text{freq. in GHz}}$$

$$= 3.0 * 5 / \sqrt{2.480} \text{ mW}$$

$$= 9.53 \text{ mW}$$

Since the source-based time-averaging conducted output power is well below the SAR low threshold level, so the EUT is considered to **comply** with SAR requirement without testing.

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