



## SPORTON International Inc.

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Project No: CB10607146

### RF Exposure Evaluation Report

Applicant's company	Fossil Group, Inc.
Applicant Address	901 S. Central Expressway Richardson TX 75080 USA
FCC ID	UK7-NDW4A
Manufacturer's company	Fossil Group, Inc.
Manufacturer Address	901 S. Central Expressway Richardson TX 75080 USA

Product Name	BLE Mini Hybrid Watch
Model Name	NDW4A, NDW4G, NDW4H, NDW4J, NDW4K
EMC sample S/N	MZ10FDV0PL, MZ10FDV0PW, MZ10LDV0ZZ, MZ10LDV0ZT, MZ10LDV0RP, MZ10FDV1H5, MZ10LDV0UA
Radiated sample S/N	MZ10FDV1C4, MZ10FDV1PD, MZ10FDV1Q0, MZ10FDV1PG, MZ10FDV1TK, MZ10FDV1RE, MZ10FDV1Q3
Conducted sample S/N	MZ10FDV160
Ref. Standard(s)	47 CFR FCC Part 2 Subpart J, section 2.1093
Received Date	Jun. 05, 2017
Final Test Date	Jun. 28, 2017
Submission Type	Original Equipment

Cliff Chang

SPORTON INTERNATIONAL INC.

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## History of This Test Report

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA760510	Rev. 01	Initial issue of report	Jul. 20, 2017

## 1. GENERAL DESCRIPTION

### 1.1. EUT General Information

RF General Information			
Evaluation Mode	Frequency Range (MHz)	Operating Frequency (MHz)	Modulation Type
Bluetooth	2400-2483.5	2402-2480	LE: DSSS (GFSK)

### 1.2. Table for Multiple List

The model names in the following table are all refer to the identical product.

Model Name	Radiated sample S/N	EMC sample S/N	Material of Watch Band	EUT	Description
NDW4A	MZ10FDV1C4	MZ10FDV0PL	Leather	EUT 1	All the models are identical, the difference model names because of different outward appearance of EUT.
NDW4A	MZ10FDV1PD	MZ10FDV0PW	Metal	EUT 2	
NDW4G	MZ10FDV1Q0	MZ10LDV0ZZ	Leather	EUT 3	
NDW4H	MZ10FDV1PG	MZ10LDV0ZT	Metal	EUT 4	
NDW4J	MZ10FDV1TK	MZ10LDV0RP	Leather	EUT 5	
NDW4J	MZ10FDV1RE	MZ10FDV1H5	Metal	EUT 6	
NDW4K	MZ10FDV1Q3	MZ10LDV0UA	Metal	EUT 7	

Note 1: For Conducted measurement: From the above models, EUT 1 was selected as representative model for the test and its data was recorded in this report.

Note 2: For Radiated measurement: All EUTs were tested.

### 1.3. Testing Location

Testing Location		
<input type="checkbox"/>	HWA YA	ADD : No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C. TEL : 886-3-327-3456 FAX : 886-3-327-0973
<input checked="" type="checkbox"/>	JHUBEI	ADD : No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C. TEL : 886-3-656-9065 FAX : 886-3-656-9085

## 2. RF EXPOSURE EVALUATION

### 2.1. Applicable Standard

In accordance with FCC 47 CFR part 2 (2.1093) this device has been defined as a portable device which is defined as a transmitting device designed to be used so that the radiating structure(s) of the device is/are within 20 centimeters of the body of the user.

Portable devices must be evaluated using the specified in FCC 47 CFR part 2 (2.1093) and ANSI/IEEE C95.1-1992, and had been tested in accordance with the measurement methods and procedures specified in IEEE 1528-2003.

### 2.2. SAR evaluation

- Per FCC KDB 447498 D01 v06, 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:

$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot$$

$$[\sqrt{f_{\text{(GHz)}}}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR}$$

- $f_{\text{(GHz)}}$  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

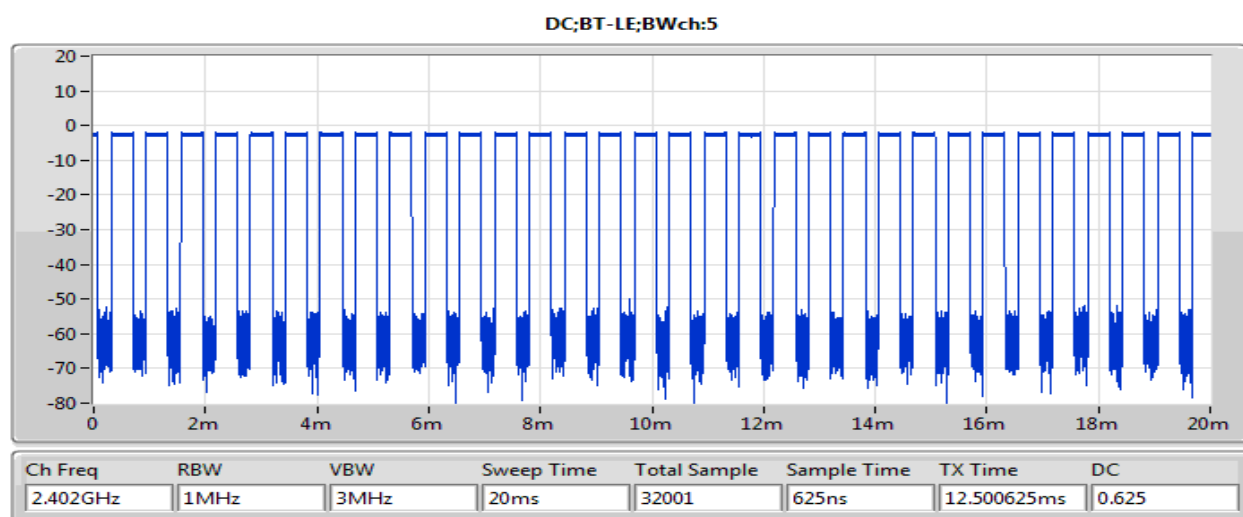
Max. Power		Duty Cycle (Note)	Tune-up Max. Power		Test Distance (mm)	Frequency (GHz)	Exclusion Thresholds	Result
(dBm)	(mW)	(%)	(dBm)	(mW)				
-2.86	0.5	62.5	-4.5	0.35	5	2.402	0.11	Pass

Note: The transmissions are sporadic and the duty cycle within a 20ms observation time is 62.5%.

Note1: This device is a wristwatch which will close to human wrist during the normal usage. Otherwise, the 5mm distance is chosen for the RF exposure evaluation.

Note2: Per FCC KDB 447498 D01 v06 exclusion thresholds is  $0.01 < 7.5$ , RF exposure evaluation is not required.

<Duty Cycle>



Note: Duty cycle = TX time/sweep time