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Project No: CB10601217

RF Exposure Evaluation Report

Applicant's company	Fossil Group, Inc.
Applicant Address	901 S. Central Expressway Richardson TX 75080 USA
FCC ID	UK7-NDW3A
Manufacturer's company	Fossil Group, Inc.
Manufacturer Address	901 S. Central Expressway Richardson TX 75080 USA

Product Name	BLE Slim HYBRID WATCH
Brand Name	FOSSIL SKAGEN
Model Name	NDW3A, NDW3B, NDW3C, NDW3E
EMC sample S/N	LZ10CDV07R, LZ10CDV07Z, LZ10CDV05F, LZ10CDV087
Radiated sample S/N	LZ10CDV02D, LZ10CDV009, LZ10CDV01V, LZ10CDV007
Conducted sample S/N	LE10CEV0DY
Ref. Standard(s)	47 CFR FCC Part 2 Subpart J, section 2.1093
Received Date	Jan. 17, 2017
Final Test Date	Jan. 23, 2017
Submission Type	Original Equipment

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Table of Contents

1. GENERAL DESCRIPTION.....	1
1.1. EUT General Information	1
1.2. Table for Multiple List.....	1
1.3. Testing Location	1
2. RF EXPOSURE EVALUATION.....	2
2.1. Applicable Standard	2
2.2. SAR evaluation	2
PHOTOGRAPHS OF EUT V01	

History of This Test Report

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA711846	Rev. 01	Initial issue of report	Feb. 14, 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	EUT	Description
NDW3A	LZ10CDV02D	LZ10CDV07R	EUT 1	The variation of model numbers is for externals.
NDW3B	LZ10CDV009	LZ10CDV07Z	EUT 2	
NDW3C	LZ10CDV01V	LZ10CDV05F	EUT 3	
NDW3E	LZ10CDV007	LZ10CDV087	EUT 4	

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		
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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

1. 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 ≤ 50 mm are determined by:

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

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

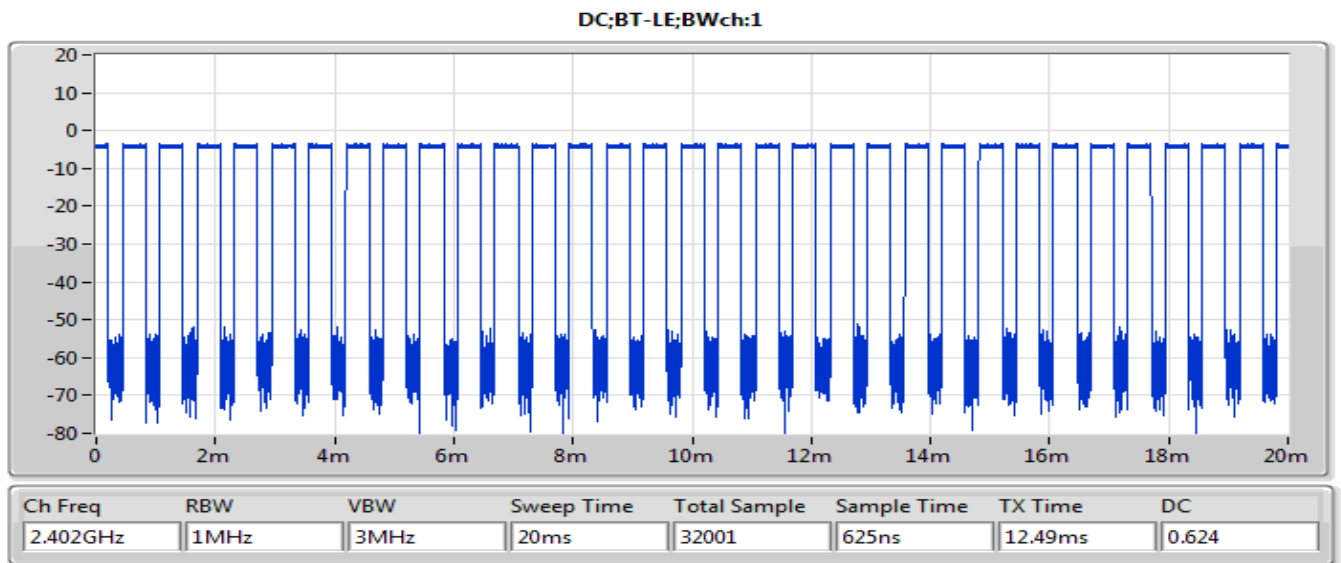
Max. Power		Duty Cycle (Note)	Tune-up Max. Power		Test Distance (mm)	Frequency (GHz)	Exclusion Thresholds
(dBm)	(mW)	(%)	(dBm)	(mW)			
-1.23	0.8	62.4	-2.8	0.5	5	2.402	0.16

Note: The transmissions are sporadic and the duty cycle within a 20ms observation time is 62.4%.

Note: This device is a wristwatch which will be close to human wrist during the normal usage.

Thus, the 5mm distance is chosen for the RF exposure evaluation.

<Duty Cycle>



Note: Duty cycle = TX time/ sweep time

1. The device is designed for use on human wrist.
2. Per FCC KDB 447498 D01 v06 exclusion thresholds is $0.16 < 7.5$, RF exposure evaluation is not required.