FCC SAR Exclusion Report

Report No.	:	**SFBHJP-WTW-P22020533**
Applicant	:	**Fossil Group, Inc.**
Address	:	**901 S. Central Expressway, Richardson, Tx 75080, USA**
Product Name	:	**Smart Watch**
FCC ID	:	**UK7-DW14**
Model No.	:	**DW14F1, DW14S1** (refer to section 2 for more details)
Standards	:	**FCC 47 CFR Part 2 (2.1093), IEEE C95.1:1992, IEEE Std 1528:2013** **KDB 865664 D01 v01r04, KDB 865664 D02 v01r02, FCC-19-126** **KDB 447498 D04 v01**
Sample Received Date	:	**Feb. 22, 2022**
Date of Evaluation	:	**Mar. 23, 2022**
Lab Address	:	**No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan**
Test Location	:	**No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City, Taiwan**

CERTIFICATION: The above equipment have been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch – Lin Kou Laboratories**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's SAR characteristics under the conditions specified in this report. It should not be reproduced except in full, without the written approval of our laboratory. The client should not use it to claim product certification, approval, or endorsement by TAF or any government agencies.

Prepared By : Vera Huang / Specialist

Approved By : Gordon Lin / Manager

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Release Control Record

Issue No.	Reason for Change	Date Issued
SFBHJP-WTW-P22020533	Initial release	Mar. 25, 2022

1. Summary of Maximum SAR Value

Equipment Class	Mode	Highest Reported SAR_{10g} (W/kg)
DTS	Bluetooth	Not Required

Note:

1. The SAR criteria **(Head & Body: SAR-1g1.6 W/kg, and Extremity: SAR-10g 4.0 W/kg)** for general population/uncontrolled exposure is specified in FCC 47 CFR part 2 (2.1093) and ANSI/IEEE C95.1-1992.

2. Description of Equipment Under Test

EUT Type	Smart Watch
FCC ID	UK7-DW14
Model Name	DW14F1, DW14S1
Tx Frequency Bands (Unit: MHz)	Bluetooth : 2402 ~ 2480
Uplink Modulations	Bluetooth : GFSK
Maximum Tune-up Conducted Power (Unit: dBm)	Please refer to Annex A
Antenna Type	Patch Antenna
Antenna Peak Gain	-1.15 dBi
EUT Stage	Engineering Sample

Note:

1. All models are similar except for trade mark, dimension, exterior, weight, and model designation for marketing purpose, refer to below for more details.

Model	Dimension	Weight (with watch strap)
DW14F1	49mm x 53.67mm x 15.6mm	0.14 kg
DW14S1	44.5mm x 49.5mm x 13.5mm	0.08 kg

2. The EUT's accessories list refers to user manual.
3. The above EUT information is declared by manufacturer and for more detailed features description please refers to the manufacturer's specifications or User's Manual.

3. SAR Measurement Evaluation

3.1 Maximum Target Conducted Power

Refer to Annex A.

3.2 SAR Testing Exclusions

According to FCC-19-126, the SAR test exclusion condition is based on source-based time-averaged maximum conducted output power, adjusted for tune-up tolerance, and the minimum test separation distance required for the exposure conditions. The SAR exclusion threshold is determined by the following formula.

1. This method shall only be used at separation distances (cm) from 0.5 centimeters to 40 centimeters and at frequency from 0.3 GHz to 6 GHz (inclusive).

$$P_{th}\ (\text{mW}) = \begin{cases} ERP_{20\ cm}(d/20\ \text{cm})^{x} & d \le 20\ \text{cm} \\ ERP_{20\ cm} & 20\ \text{cm} < d \le 40\ \text{cm} \end{cases}$$

Where

$$x = -\log_{10}\left(\frac{60}{ERP_{20\ cm}\sqrt{f}}\right) \text{ and f is in GHz;}$$

and

$$ERP_{20\ cm}\ (\text{mW}) = \begin{cases} 2040f & 0.3\ \text{GHz} \le f < 1.5\ \text{GHz} \\ 3060 & 1.5\ \text{GHz} \le f \le 6\ \text{GHz} \end{cases}$$

d = the separation distance (cm);

Mode	Max. Tune-up Power (dBm)	Max. Tune-up Power (mW)	Rear Face		
			Ant. to Surface (mm)	Calculated Result (dBm)	Require SAR Testing?
Bluetooth	0	1	9.5	13.63	No

Note:

1. When the device output power is less than the power threshold shown in above table, the SAR testing exclusion is applied.
2. Units for d are cm and units for f are GHz.
3. The Calculated Result is scaling x2.5 for extremity exclusion threshold.

Summary:

Since the SAR testing for all device orientations apply SAR test exclusion per FCC-19-126, SAR testing for this device is not required.

4. Information on the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

Taiwan Huaya Lab:
Add: No. 19, Huaya 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan
Tel: +886-(0)3-318-3232
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The road map of all our labs can be found in our web site also.

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