RF Exposure Evaluation Report

Product	:	Smart Watch
Trade mark	:	AOC
Model/Type reference	:	F07
Serial Number	:	N/A
Report Number	:	EED32R80729503
FCC ID	:	2BPS4AOC8ARTEX-F07
Date of Issue	:	Jun. 04, 2025
Test Standards	:	47 CFR Part 1.1307 47 CFR Part 1.1310 47 CFR Part 2.1091 47 CFR Part 2.1093 KDB 447498 D04 Interim General RF Exposure Guidance v01
Test result	:	PASS

Prepared for:

SHENZHEN ARTEX TONGXUN Technology Co., Ltd
1805 West Building Tian'an Digital Innovation Technology Plaza (Phase II)
Intersection of Binhe Road & Xiangmihu Road Futian District Shenzhen

Prepared by:

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Approved by:	Aaron Ma	Date:	Jun. 04, 2025

Check No.:9109140525

1 Contents

2 General Information

2.1 Client Information

Applicant:	SHENZHEN ARTEX TONGXUN Technology Co., Ltd
Address of Applicant:	1805 West Building Tian'an Digital Innovation Technology Plaza (Phase II) Intersection of Binhe Road & Xiangmihu Road Futian District Shenzhen
Manufacturer:	TPV Audio and Visual Technology (Shenzhen) Co., Ltd
Address of Manufacturer:	4201 Block A Bldg.2 Shenzhen Bay Inno.& Tech.CTR No.3156 Keyuan South Rd. High-tech Zone C. Yuehai str. Nanshan Dist. Shenzhen GUANGDONG China
Factory:	SHENZHEN LANHAIJIAHE Electronic Technology Co., Ltd
Address of Factory:	1108B Feiyada Technology Building No. 002 Gaoxin South 1st Road High Tech Zone Community Yuehai Street Nanshan District Shenzhen City Guangdong Province China

2.2 General Description of EUT

Product Name:	Smart Watch
Model No.(EUT):	F07
Trade Mark:	AOC

2.3 Product Specification subjective to this standard

Frequency Range:	2402MHz~2480MHz
Modulation Type:	BLE: GFSK BT: GFSK, π/4DQPSK, 8DPSK
Test Power Grade:	Default
Test Software of EUT:	SiFli_RF_Tool_v1.1.3
Antenna Type:	Internal Antenna
Antenna Gain:	1dBi
Power Supply:	DC 5V
Sample Received Date:	May 21, 2025
Sample tested Date:	May 21, 2025 to May 28, 2025

2.4 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd
Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China
Telephone: +86 (0) 755 33683668 Fax:+86 (0) 755 33683385
No tests were sub-contracted.
FCC Designation No.: CN1164

2.5 Deviation from Standards

None.

2.6 Abnormalities from Standard Conditions

None.

2.7 Other Information Requested by the Customer

None.

3 SAR Evaluation

3.1 RF Exposure Compliance Requirement

3.1.1 Limits

The SAR-based exemption formula of § 1.1307(b)(3)(i)(B), repeated here as Formula (B.2), applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power or effective radiated power (ERP), whichever is greater, of less than or equal to the threshold Pth (mW).
This method shall only be used at separation distances from 0.5 cm to 40 cm and at frequencies from 0.3 GHz to 6 GHz (inclusive). Pth is given by Formula

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

where

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

and f is in GHz, d is the separation distance (cm), and ERP20cm is per Formula (B.1).

$$P_{\text{th}}\,(\text{mW}) = ERP_{20\text{ cm}}\,(\text{mW}) = \begin{cases} 2040f & 0.3\text{ GHz} \le f < 1.5\text{ GHz} \\ 3060 & 1.5\text{ GHz} \le f \le 6\text{ GHz} \end{cases} \qquad (\text{B.1})$$

The 1 mW Blanket Exemption of § 1.1307(b)(3)(i)(A) applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power of no more than 1 mW, regardless of separation distance.

3.1.2 Test Procedure

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

3.1.3 EUT RF Exposure Evaluation

For Stand alone:

BLE:

Frequency (MHz)	Estimation distance (cm)	Max. Conducted Output power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (mW)	Limit (mW)	MPE ratio	Result
2440	0.5	0.86	1.00	-0.29	0.9354	2.7528	0.3398	Pass

BT:

Frequency (MHz)	Estimation distance (cm)	Max. Conducted Output power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (mW)	Limit (mW)	MPE ratio	Result
2441	0.5	2.01	1.00	0.86	1.2190	2.7519	0.4430	Pass

Note：

①EIRP=conducted power+antenna gain；

②ERP=EIRP-2.15;

③EIRP(dBm) = Field strength of the fundamental signal(dBuV/m@3m) – 95.23;

④ERP(mW) = 10^(ERP (dBm)/10);

⑤The estimation distance is 0.5cm;

⑥The test data please refer to the report of EED32R80729501, EED32R80729502 and only the worst case data was recorded in the report.

Statement

1. This report is considered invalid without approved signature, special seal and the seal on the perforation;

2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;

3. The result(s) shown in this report refer(s) only to the sample(s) tested;

4. Unless otherwise stated,the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule stated in ILAC-G8:09/2019/CNAS-GL015:2022;

5. Without written approval of CTI, this report can't be reproduced except in full;

*** End of Report ***