

RF Exposure Evaluation Report

Product : Portable monitor
Trade mark : Catsights
Model/Type reference : See section 3.2
Serial Number : N/A
Report Number : EED32Q82016802
FCC ID : 2BMQY2024
Date of Issue : Mar. 10, 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:

Catsights Technology Co., Limited
RM 1209, 12/F INTER-CONTINENTAL PLAZA 94 GRANVILLE RD TSIM
SHA TSUI HONGKONG

Prepared by:

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1 Version

Version No.	Date	Description
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3 General Information

3.1 Client Information

Applicant:	Catsights Technology Co., Limited
Address of Applicant:	RM 1209, 12/F INTER-CONTINENTAL PLAZA 94 GRANVILLE RD TSIM SHA TSUI HONGKONG
Manufacturer:	Catsights Technology Co., Limited
Address of Manufacturer:	RM 1209, 12/F INTER-CONTINENTAL PLAZA 94 GRANVILLE RD TSIM SHA TSUI HONGKONG
Factory:	Huizhen Miqi Technology Service Co., Ltd
Address of Factory:	5th Floor, Building 1, No. 39 Guangtai Road, Huinan High-Tech Industrial Park, Zhongkai High-Tech Zone, Huizhou City

3.2 General Description of EUT

Product Name:	Portable monitor
Model No.(EUT):	CJ01133a, CJ01133b, CJ01133c, CJ01133d, CJ01133d, CJ01133e, CJ01133f, CJ01133g, CJ01133h, CJ01133J
Test Model No.:	CJ01133
Trade Mark:	Catsights

3.3 Product Specification subjective to this standard

Frequency Range:	2402MHz~2480MHz	
Modulation Type:	GFSK	
Test Power Grade:	Default	
Test Software of EUT:	FCC.exe	
Antenna Type:	PIFA Antenna	
Antenna Gain:	1.59dBi	
Power Supply:	USB port:	DC 5V
Sample Received Date:	DC 5V	
Sample tested Date:	Dec. 10, 2024	
Model No.: CJ01133a, CJ01133b, CJ01133c, CJ01133d, CJ01133d, CJ01133e, CJ01133f, CJ01133g, CJ01133h, CJ01133J Only the model CJ01133 was tested. They have same electrical, PCB and layout, only the model name and monitor size are different for marketing requirements.		

Model name	Colour
CJ01133	Dark grey
CJ01133a	Grey
CJ01133b	Blue
CJ01133c	Green
CJ01133d	Red
CJ01133e	White
CJ01133f	Black
CJ01133g	Gold
CJ01133h	Purple
CJ01133j	Aurora colour

3.4 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

3.5 Deviation from Standards

None.

3.6 Abnormalities from Standard Conditions

None.

3.7 Other Information Requested by the Customer

None.

4 SAR Evaluation

4.1 RF Exposure Compliance Requirement

4.1.1 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 P_{th} (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). P_{th} is given by Formula

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

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 $ERP_{20 \text{ cm}}$ is per Formula (B.1).

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

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.

4.1.2 Test Procedure

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

4.1.3 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
@2.4GHz	0.5	-0.86	1.59	-1.42	0.721	2.717	0.2654	Pass

Note:

- ① EIRP=conducted power+antenna gain;
- ② ERP=EIRP-2.15;
- ③ EIRP(dBm) = Field strength of the fundamental signal(dBuV/m@3m) – 95.23;
- ④ ERP(mW) = $10^{(ERP \text{ (dBm)}/10)}$;
- ⑤ The estimation distance is 0.5cm;
- ⑥ The test data please refer to the report of EED32Q82016801 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;
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*** End of Report ***