

RF Exposure Evaluation Report

Product : Digital Video Monitor
Trade mark : Infant Optics
Model/Type reference : DXR-8 PRO MAX, DXR8PMZ-A
Serial Number : N/A
Report Number : EED32S811389
FCC ID : 2AAAM-DXR8PMZ-ABU
Date of Issue : Jul. 07, 2026
Test Standards : 47 CFR Part 1.1307
47 CFR Part 1.1310
47 CFR Part 2.1091
KDB 447498 D04 Interim General RF
Exposure Guidance v01
Test result : PASS

Prepared for:

Standard Merit Industrial Limited
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Prepared by:

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1 Contents

	Page
1 CONTENTS	2
2 GENERAL INFORMATION	3
2.1 CLIENT INFORMATION	3
2.2 GENERAL DESCRIPTION OF EUT	3
2.3 PRODUCT SPECIFICATION SUBJECTIVE TO THIS STANDARD	3
2.4 TEST LOCATION	4
2.5 DEVIATION FROM STANDARDS	4
2.6 ABNORMALITIES FROM STANDARD CONDITIONS	4
2.7 OTHER INFORMATION REQUESTED BY THE CUSTOMER	4
3 SAR EVALUATION	5
3.1 RF EXPOSURE COMPLIANCE REQUIREMENT	5
3.1.1 Limits	5
3.1.2 Test Procedure	5
3.1.3 EUT RF Exposure Evaluation	6

2 General Information

2.1 Client Information

Applicant:	Standard Merit Industrial Limited
Address of Applicant:	604 Kalok Building, 720 Nathan Road, Kowloon, Hong Kong
Manufacturer:	Standard Merit Industrial Limited
Address of Manufacturer:	604 Kalok Building, 720 Nathan Road, Kowloon, Hong Kong
Factory:	Standard Merit Industrial Limited
Address of Factory:	604 Kalok Building, 720 Nathan Road, Kowloon, Hong Kong

2.2 General Description of EUT

Product Name:	Digital Video Monitor
Model No.:	DXR-8 PRO MAX, DXR8PMZ-A
Test Model No.:	DXR-8 PRO MAX
Model difference:	Hereby confirm that any of our adaptor bearing the following model numbers are said to be identical in cosmetics, materials, PCB layout, electrical, mechanical, and physical design,including software/firmware and they are different in Model Number only.
Trade Mark:	Infant Optics

2.3 Product Specification subjective to this standard

Frequency Range:	2410MHz, 2441.15MHz, 2477MHz	
Modulation Type:	GFSK	
Test Power Grade:	Default	
Test Software of EUT:	RFTest_250821_t2.exe	
Antenna Type:	Dipole Antenna	
Antenna Gain:	0 dBi	
Power Supply:	Adapter:	MODEL: TEKA-AA2A050150US INPUT:100-240V~50/60Hz 0.35A MAX OUTPUT: 5.0V---1.5A
	Battery:	3.69V 4800mAh/17.71Wh SMA01 1INR22/71
Sample Received Date:	May 21, 2026	
Sample tested Date:	May 21, 2026 to Jun. 23, 2026	

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, Test Firm Registration No.: 260439

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

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

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 ERP20cm 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.

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:

Frequency (MHz)	Estimation distance (cm)	Max. Conducted Output power (dBm)	Antenna Gain (dBi)	ERP (dBm)	ERP (mW)	Limit (mW)	MPE ratio	Result
@2.4G	20	13.07	0	10.92	12.36	3060.00	0.0040	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) = $10^{(ERP \text{ (dBm)}/10)}$;

⑤The estimation distance is 20cm;

⑥The test data please refer to the report of EED32S810720 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 ***