

RF Exposure Evaluation Report

Product : BladderScanner
Trade mark : Caresono
Model/Type reference : PadScan X7
Serial Number : N/A
Report Number : EED32S810730
FCC ID : 2AUG5-X7
Date of Issue : August 20, 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:

Caresono Technology Co.,Ltd.

**4th Floor of Building 2, No. 2 Baoquan Road, Jinquan Industrial Zone,
Lingang Industrial Park, Dandong City, Liaoning Province, 118009, China**

Prepared by:

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2 General Information

2.1 Client Information

Applicant:	Caresono Technology Co.,Ltd.
Address of Applicant:	4th Floor of Building 2, No. 2 Baoquan Road, Jinquan Industrial Zone, Lingang Industrial Park, Dandong City, Liaoning Province, 118009, China
Manufacturer:	Caresono Technology Co.,Ltd.
Address of Manufacturer:	4th Floor of Building 2, No. 2 Baoquan Road, Jinquan Industrial Zone, Lingang Industrial Park, Dandong City, Liaoning Province, 118009, China
Factory:	Caresono Technology Co.,Ltd.
Address of Factory:	4th Floor of Building 2, No. 2 Baoquan Road, Jinquan Industrial Zone, Lingang Industrial Park, Dandong City, Liaoning Province, 118009, China

2.2 General Description of EUT

Product Name:	BladderScanner
Model No.:	PadScan X7
Test Model No.:	PadScan X7
Trade Mark:	Caresono

2.3 Product Specification subjective to this standard

Frequency Range:	IEEE 802.11b/g/n(HT20): 2412MHz to 2462MHz IEEE 802.11n(HT40): 2422MHz to 2452MHz	
Modulation Type:	IEEE for 802.11b:DSSS(CCK,DQPSK,DBPSK) IEEE for 802.11g:OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE for 802.11n(HT20 and HT40): OFDM (64QAM, 16QAM,QPSK,BPSK)	
Test Power Grade:	Default	
Test Software of EUT:	adb	
Antenna Type:	Monopole Antenna	
Antenna Gain:	3 dBi	
Power Supply:	Battery:	DC 10.8V
	Adapter:	Input: AC 100V-240V 50-60Hz 1.4-0.7A Output: DC 15V 4A 60W
Sample Received Date:	Jun. 05, 2026	
Sample tested Date:	Jun. 05, 2026 to Jul. 22, 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 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.

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 Wi-Fi	20	13.87	3.00	14.72	29.65	3060.00	0.0097	Pass

Note:

- ① EIRP=conducted power+antenna gain;
- ② $ERP = EIRP - 2.15$;
- ③ $EIRP(dBm) = \text{Field strength of the fundamental signal}(dBuV/m@3m) - 95.23$;
- ④ $ERP(mW) = 10^{(ERP(dBm)/10)}$;
- ⑤ The estimation distance is 20cm;
- ⑥ The test data please refer to the report of EED32S810727 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;
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*** End of Report ***