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TEST REPORT

Report No. : CQASZ20251202902E-02
Applicant: Icarsoft Technology Inc.
Address of Applicant: 1629 K St. Suite 300 N.W.Washington D.C.,20006 United States.
Equipment Under Test (EUT):
EUT Name: The wireless diagnostic interface
Model No.: MarineScan X9 VCI
Test Model No.: MarineScan X9 VCI
Brand Name: **iCarsoft**
FCC ID: 2AWD8-MSX9VCI
47 CFR Part 1.1307
Standards: 47 CFR Part 1.1310
KDB447498D01 General RF Exposure Guidance v06
Date of Receipt: 2025-12-12
Date of Test: 2025-12-12 to 2026-01-27
Date of Issue: 2026-5-21
Test Result : **PASS**

Tested By:

Lewis Zhou

(Lewis Zhou)

Reviewed By:

Timo Lei

(Timo Lei)

Approved By:

Jack Ai

(Jack Ai)



The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CQA, this report can't be reproduced except in full.

1. Version

Revision History Of Report

Report No.	Version	Description	Issue Date
CQASZ20251202902E-02	Rev.01	Initial report	2026-5-21

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3. General Information

4. Client Information

Applicant:	Icarsoft Technology Inc.
Address of Applicant:	1629 K St. Suite 300 N.W.Washington D.C.,20006 United States.
Manufacturer:	Icarsoft Technology Inc.
Address of Manufacturer:	1629 K St. Suite 300 N.W.Washington D.C.,20006 United States.
Factory:	Dongguan Yongdong Electronic Technology Co.,Ltd
Address of Factory:	No.10, 4th Street, Zhangyang Fuzhu Industrial Zone, Zhangmutou town, Dongguan City

5. General Description of EUT

Product Name:	The wireless diagnostic interface
Model No.:	MarineScan X9 VCI
Test Model No.:	MarineScan X9 VCI
Trade Mark:	iCarsoft
Software Version:	BOOT: V25.11Firmware:V25.12
Hardware Version:	V1.01
Modulation Type:	GFSK
Transfer Rate:	1Mbps, 2Mbps
Number of Channel:	40
Antenna Type:	PCB antenna
Antenna Gain:	2.2dBi
Product Type:	☐ Mobile ☒ Portable
Power Supply:	Power supply DC12V

RF Exposure Evaluation

RF Exposure Compliance Requirement

Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

4.3.1. Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

Limits

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where}$$
$$f(\text{GHz}) \text{ is the RF channel transmit frequency in GHz}$$

Power and distance are rounded to the nearest mW and mm before calculation¹⁷

The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

EUT RF Exposure

1) For BLE

Measurement Data

Worst case: GFSK				
Test Channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	1.17	1.5±1	2.5	1.778
Middle(2440MHz)	1.88	2.0±1	3	1.995
Highest(2480MHz)	1.50	2.0±1	3	1.995

Worst case: GFSK			
Channel	Maximum tuneup Power (mW)	Calculated value	Exclusion threshold
Lowest (2402MHz)	1.778	0.551	3.0
Middle (2440MHz)	1.995	0.623	
Highest (2480MHz)	1.995	0.628	
Conclusion: the calculated value ≤3.0, SAR is exempted.			

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20251202902E-01