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TEST REPORT

Report No. : CQASZ20260100198E-04
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: PROFESSIONAL MULTI-SYSTEM MARINE DIAGNOSTIC TOOL
Model No.: MarineScan X9
Test Model No.: MarineScan X9
Brand Name: **iCarsoft**
FCC ID: 2AWD8-BTX10PADA
47 CFR Part 1.1307
Standards: 47 CFR Part 1.1310
KDB447498D01 General RF Exposure Guidance v06
Date of Receipt: 2026-01-23
Date of Test: 2026-01-23 to 2026-04-09
Date of Issue: 2026-4-27
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
CQASZ20260100198E-04	Rev.01	Initial report	2026-4-27

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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:	PROFESSIONAL MULTI-SYSTEM MARINE DIAGNOSTIC TOOL
Model No.:	MarineScan X9
Test Model No.:	MarineScan X9
Trade Mark:	iCarsoft
Software Version:	System Version:V1.05
Hardware Version:	X70S1S-V2
Power Supply:	Li-ion battery DC 3.7V 10000mAh, Charge by DC 5V for adapter
	Adapter: Model No.:FX18U-050300K Input:100-240V~50/60Hz 0.5A Max Output:5.0V=3.0A (15.0W)
Simultaneous Transmission	☒ Simultaneous TX is supported and evaluated in this report. ☐ Simultaneous TX is not supported.

6. General Description of BLE

Operation Frequency:	2402MHz~2480MHz
Modulation Type:	GFSK
Transfer Rate:	1Mbps
Number of Channel:	40
Product Type:	☐ Mobile ☒ Portable ☐ Fix Location
Antenna Type:	FPC antenna
Antenna Gain:	2.15dBi

7. General Description of BT

Operation Frequency:	2402MHz~2480MHz
Modulation Type:	GFSK, $\pi/4$ DQPSK, 8DPSK
Transfer Rate:	1Mbps/2Mbps/3Mbps
Number of Channel:	79

Product Type:	☐ Mobile ☒ Portable ☐ Fix Location
Antenna Type:	FPC antenna
Antenna Gain:	2.15dBi
8. General Description of 2.4G WIFI Classic	
Operation Frequency:	2412MHz~2462MHz
Type of Modulation:	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)
Number of Channel:	IEEE 802.11b/g, IEEE 802.11n HT20: 11 Channels IEEE 802.11n HT40: 7 Channels
Channel Separation:	5MHz
Transfer Rate:	IEEE for 802.11b: 1Mbps/2Mbps/5.5Mbps/11Mbps IEEE for 802.11g : 6Mbps/9Mbps/12Mbps/18Mbps/24Mbps/36Mbps/48Mbps/54Mbps IEEE for 802.11n(HT20) : 6.5Mbps/13Mbps/19.5Mbps/26Mbps/39Mbps/52Mbps/58.5Mbps/65Mbps IEEE for 802.11n(HT40) : 13.5Mbps/27Mbps/40.5Mbps/54Mbps/81Mbps/108Mbps/121.5Mbps/135Mbps
Sample Type:	☐ Mobile ☒ Portable
Antenna Type:	FPC antenna
Antenna Gain:	2.15dBi

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 BT

Measurement Data

Worst case: GFSK				
Test Channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2402MHz)	-1.11	-1±1	0	1.000
Middle(2441MHz)	-0.83	-0.5±1	0.5	1.122
Highest(2480MHz)	-1.44	-1.0±1	0	1.000

Worst case: GFSK			
Channel	Maximum tuneup Power (mW)	Calculated value	Exclusion threshold
Lowest (2402MHz)	1.000	0.310	3.0
Middle (2441MHz)	1.122	0.351	
Highest (2480MHz)	1.000	0.315	
Conclusion: the calculated value ≤3.0, SAR is exempted.			

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20260100198E-01

2) 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)	-1.20	-1±1	0	1.000
Middle(2440MHz)	-3.15	-3±1	-2	0.631
Highest(2480MHz)	-6.79	-6.5±1	-5.5	0.282

Worst case: GFSK			
Channel	Maximum tuneup Power (mW)	Calculated value	Exclusion threshold
Lowest (2402MHz)	1.000	0.310	3.0
Middle (2440MHz)	0.631	0.197	
Highest (2480MHz)	0.282	0.089	
Conclusion: the calculated value ≤3.0, SAR is exempted.			

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20260100198E-02

2) For 2.4G WIFI

Measurement Data

Worst case: 11G				
Test Channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2412MHz)	1.68	2.0±1	3	1.995
Middle(2437MHz)	0.50	1.0±1	2	1.585
Highest(2462MHz)	-1.77	-1.5±1	-0.5	0.891

Worst case: 11G			
Channel	Maximum tuneup Power (mW)	Calculated value	Exclusion threshold
Lowest (2412MHz)	1.995	0.620	3.0
Middle (2437MHz)	1.585	0.495	
Highest (2462MHz)	0.891	0.280	
Conclusion: the calculated value ≤3.0, SAR is exempted.			

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20260100198E-03

*** END OF REPORT ***