



Shenzhen Huaxia Testing Technology Co., Ltd.

SHENZHEN HUAXIA TESTING TECHNOLOGY CO., LTD 102A, 102B, Building 2, Shanghenglang New Industrial Zone, Shanghenglang Community, Dalang Street, Longhua District, Shenzhen, Guangdong, People's Republic of China, 518000

Telephone: +86-755-26648640

Fax: +86-755-26648637

Website: www.cqa-cert.com

Report Template Version: V04

Report Template Revision Date: 2018-07-06

TEST REPORT

Report No. : CQASZ20260500913E-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 CAR DIAGNOSTIC TOOL
Model No.: CR MAX BT
Test Model No.: CR MAX BT
Brand Name: **iCarsoft**
FCC ID: 2AWD8-BPD7XWBTA
47 CFR Part 1.1307
Standards: 47 CFR Part 1.1310
KDB447498D01 General RF Exposure Guidance v06
Date of Receipt: 2026-05-07
Date of Test: 2026-05-07 to 2026-05-18
Date of Issue: 2026-9-3
Test Result : **PASS**

Tested By: Azir Wang
(Azir Wang)

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
CQASZ20260500913E-04	Rev.01	Initial report	2026-9-3

2. Contents

1. VERSION	2
2. CONTENTS	3
3. GENERAL INFORMATION	4
4. CLIENT INFORMATION	4
5. GENERAL DESCRIPTION OF EUT	4
6. GENERAL DESCRIPTION OF BLE	4
7. GENERAL DESCRIPTION OF BT	5
8. GENERAL DESCRIPTION OF 2.4G WIFI CLASSIC	5
RF EXPOSURE EVALUATION	6
RF EXPOSURE COMPLIANCE REQUIREMENT	6
<i>Standard Requirement</i>	6
<i>Limits</i>	6
<i>EUT RF Exposure</i>	7

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 CAR DIAGNOSTIC TOOL
Model No.:	CR MAX BT
Test Model No.:	CR MAX BT
Trade Mark:	iCarsoft
Software Version:	iMSDiag DiagLib APP:V10.69 iMSDiag System APP:V11.09 System Version:V3.03 VCI Boot Version:H25.11 VCI Firmware Version:H25.12
Hardware Version:	X701T-V3
Power Supply:	Li-ion battery DC 3.7V 5000mAh, Charge by DC 5V for adapter Adapter: Model No.:FX2U-050200U Input:100-240Vac 50/60 Hz 0.4A max Output:5V=2A
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
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
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)	-1.38	-1.0±1	0	1.00
Middle(2441MHz)	-0.67	-0.5±1	0.5	1.12
Highest(2480MHz)	-1.13	-1.0±1	0	1.00

Worst case: GFSK			
Channel	Maximum tuneup Power (mW)	Calculated value	Exclusion threshold
Lowest (2402MHz)	1.00	0.310	3.0
Middle (2441MHz)	1.12	0.351	
Highest (2480MHz)	1.00	0.315	
Conclusion: the calculated value ≤3.0, SAR is exempted.			

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20260500913E-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)	-1.08	-1.0±1	0	1.000
Middle(2440MHz)	-0.57	-0.5±1	0.5	1.122
Highest(2480MHz)	-1.39	-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 (2440MHz)	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.: CQASZ20260500913E-01

2) For 2.4G WIFI

Measurement Data

Worst case: GFSK				
Test Channel	Peak Output Power (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power	
			(dBm)	(mW)
Lowest(2412MHz)	2.41	2.5±1	3.5	2.239
Middle(2437MHz)	2.56	3.0±1	4	2.512
Highest(2462MHz)	1.45	1.5±1	2.5	1.778

Worst case: GFSK			
Channel	Maximum tuneup Power (mW)	Calculated value	Exclusion threshold
Lowest (2412MHz)	2.239	0.695	3.0
Middle (2437MHz)	2.512	0.784	
Highest (2462MHz)	1.778	0.558	
Conclusion: the calculated value ≤3.0, SAR is exempted.			

Remark: The Max Conducted Peak Output Power data refer to report Report No.: CQASZ20260500913E-03