



RF Exposure Evaluation Report

Application No.: DNT2512220622R15055-17934

Applicant: ShenZhen V-Link Technology Co., LTD.

Address of Applicant: Room 1803, BaiRuiDa Building, Bantian Sub-district, LongGang District, Shenzhen, China

EUT Description: WiFi Module

Model No.: A880S-D40L-WI-WS-H

Additional Model(s): A880S-D40L-NI-WS-H, A880S-D40L-WI-NS-H, A880S-D40L-NI-NS-H, A880S-D40L-WI-WS, A880S-D40L-NI-WS, A880S-D40L-WI-NS, A880S-D40L-NI-NS

FCC ID: 2AXX8-A880S

Power Supply: DC 3.3V

Trade Mark: /
47 CFR Part 2.1091

Standards: FCC KDB 447498 D01 v06

Date of Receipt: 2025/12/22

Date of Test: 2025/12/23 to 2026/01/12

Date of Issue: 2026/01/13

Test Result: **PASS**

Prepared By: Gale. Lin (Testing Engineer)

Reviewed By: Wayne. Lin (Project Engineer)

Approved By: Heise Shen (Manager)



Note: If there is any objection to the results in this report, please submit a written inquiry to the company within 15 days from the date of receiving the report. The test report is effective only with both signature and specialized stamp, and is issued by the company in accordance with the requirements of the "Conditions of Issuance of Test Reports" printed in the attached page. Unless otherwise stated, the results presented in this report only apply to the samples tested this time. Partial reproduction of this report is not allowed unless approved by the company in writing.

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Report Revise Record

Report Version	Revise Time	Issued Date	Valid Version	Notes
V1.0	/	Jan.13, 2026	Valid	Original Report



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1 General Information

1.1 Test Location

Company:	Dongguan DN Testing Co., Ltd
Address:	No. 1, West Fourth Street, South Xinfu Road, Wusha Liwu, Chang ' an Town, Dongguan City, Guangdong P.R.China
Test engineer:	Gali Lin

1.2 General Description of EUT

Manufacturer:	ShenZhen V-Link Technology Co., LTD.
Address of Manufacturer:	Room 1803, BaiRuiDa Building, Bantian Sub-district, LongGang District, Shenzhen, China
EUT Description:	WiFi Module
Model No.:	A880S-D40L-WI-WS-H
Additional Model(s):	A880S-D40L-NI-WS-H, A880S-D40L-WI-NS-H, A880S-D40L-NI-NS-H, A880S-D40L-WI-WS, A880S-D40L-NI-WS, A880S-D40L-WI-NS, A880S-D40L-NI-NS
Power Supply:	DC 3.3V
Trade Mark:	/
Hardware Version:	V1.0
Software Version:	V1.0
Chip Type:	AIC8800D40L
Serial number	PR2512220622R15055
Sample Type:	☐ Portable Device, ☒ Module, ☒ Mobile Device
Antenna Type:	☒ External, ☐ Integrated
Antenna Ports:	☒ Ant 1, ☐ Ant 2, ☐ Ant 3
Antenna Gain:	☒ Provided by applicant
	2.4G: 3.04 5.1G: 2.22 5.8G: 2.12
Note: *Since the above data and/or information is provided by the client relevant results or conclusions of this report are only made for these data and/or information, DNT is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion. *All the models are merely different in names. The motherboards, PCB circuit boards, chips, electronic components, and appearance are all the same.	



2 RF Exposure Evaluation

2.1 RF Exposure Compliance Requirement

2.1.1 Limits

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3-3.0	614	1.63	*(100)	6
3.0-30	1842/f	4.89/f	*(900/f ²)	6
30-300	61.4	0.163	1.0	6
300-1500	/	/	f/300	6
1500-100,000	/	/	5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30
F=frequency in MHz *=Plane-wave equivalent power density RF exposure compliance will need to be determined with respect to 1.1307(c) and (d) of the FCC rules. The emissions should be within the limits at 300kHz in Table 1 of 1.1310(use the 300kHz limits for 150kHz:614V/m,1.63A/m).				

Friis Formula

Friis transmission formula: $P_d = (P_{out} * G) / (4 * \pi * R^2)$

Where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

R = distance between observation point and center of the radiator in cm

P_d is the limit of MPE, 1 mW/cm². If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.



2.1.2 Test Procedure

Software provided by client enabled the EUT to transmit data at lowest, middle and highest channel individually

2.1.3 EUT RF Exposure Evaluation

Antenna Gain: The maximum Gain measured in fully anechoic chamber is 2.0 / 2.0 in linear scale.

Output Power Into Antenna & RF Exposure Evaluation Distance:

This confirmed that the device comply with MPE limit.

Test Mode	Antenna	Freq(MHz)	Power [dBm]
GFSK 1Mbps	Ant1	2402	-0.82
	Ant1	2440	-0.59
	Ant1	2480	-0.74
GFSK 2Mbps	Ant1	2402	-0.95
	Ant1	2440	-0.76
	Ant1	2480	-0.75

Test Mode	Antenna	Freq(MHz)	Power [dBm]
11B	Ant1	2412	13.32
	Ant1	2437	13.34
	Ant1	2462	12.87
11G	Ant1	2412	12.81
	Ant1	2437	11.41
	Ant1	2462	8.59
11N20SISO	Ant1	2412	9.20
	Ant1	2437	11.58
	Ant1	2462	9.40
11N40SISO	Ant1	2422	9.14
	Ant1	2437	8.58
	Ant1	2452	8.20
11AX20SISO	Ant1	2412	8.69
	Ant1	2437	8.77
	Ant1	2462	8.22
11AX40SISO	Ant1	2422	8.33
	Ant1	2437	9.21
	Ant1	2452	7.14



Test Mode	Antenna	Freq (MHz)	Power [dBm]
11A	Ant1	5180	16.39
	Ant1	5200	16.45
	Ant1	5240	16.51
	Ant1	5745	15.33
	Ant1	5785	14.10
	Ant1	5825	14.38
11N20SISO	Ant1	5180	13.49
	Ant1	5200	13.23
	Ant1	5240	13.28
	Ant1	5745	13.01
	Ant1	5785	11.53
	Ant1	5825	11.70
11N40SISO	Ant1	5190	12.71
	Ant1	5230	14.04
	Ant1	5755	12.41
	Ant1	5795	11.34
11AC20SISO	Ant1	5180	12.79
	Ant1	5200	13.80
	Ant1	5240	14.23
	Ant1	5745	12.64
	Ant1	5785	11.37
	Ant1	5825	12.03
11AC40SISO	Ant1	5190	13.64
	Ant1	5230	14.23
	Ant1	5755	12.00
	Ant1	5795	11.92
11AX20SISO	Ant1	5180	11.11
	Ant1	5200	11.14
	Ant1	5240	11.84
	Ant1	5745	10.67
	Ant1	5785	9.73
	Ant1	5825	10.16
1AX40SISO	Ant1	5190	10.50
	Ant1	5230	11.96
	Ant1	5755	10.22
	Ant1	5795	9.38

The Worst Mode	Antenna	MAX output power (dBm)	Target power (dBm)	MAX Target power (dBm)	Antenna gain		Power Density (S) (mW /cm ²)	Limited of Power Density (S) (mW /cm ²)	Test Result	Distance (cm)
					(dBi)	(Linear)				
BLE GFSK 1Mbps	Ant1	-0.59	0±1	1	3.04	2.01	0.00050	1	Complies	20
11b(2.4G Wi-Fi)	Ant1	13.34	13±1	14	3.04	2.01	0.01006	1	Complies	20
11a(5.1G Wi-Fi)	Ant1	16.51	16±1	17	2.22	1.67	0.01662	1	Complies	20
11a(5.8G Wi-Fi)	Ant1	16.51	15±1	16	2.12	1.63	0.01290	1	Complies	20

The End Report