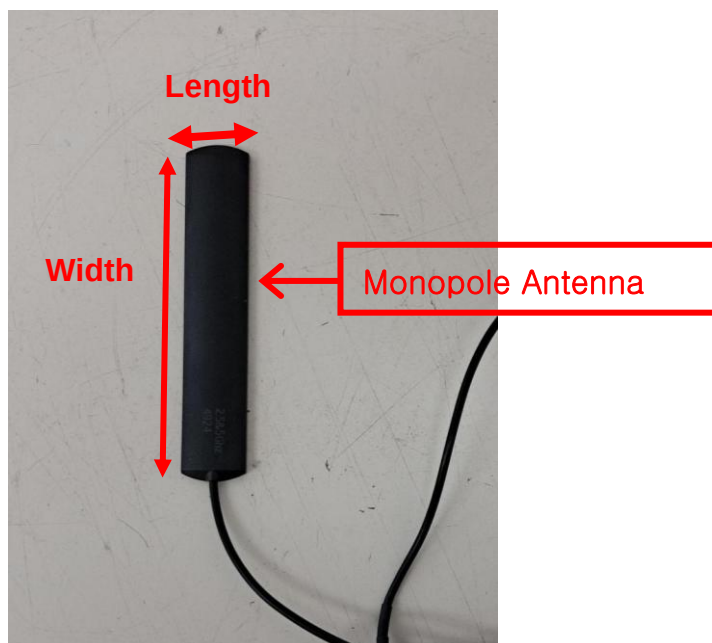


Antenna Information

Item	Contents
Antenna Type	Monopole Antenna
Antenna peak gain	1.05 dB i
Manufacturer / Model name	SHENZHEN ARES TECHNOLOGY CO., LTD. / ATWIFIW3000SMAZ-5292
Address of manufacturer	2F,1st Building, Hesheng Tech Park, Huaning Road, Longhua New District, Shenzhen, Guangdong, China, 518048
Test laboratory	SHENZHEN ARES TECHNOLOGY CO., LTD.
Antenna Length	2.1 cm
Antenna Width	11.3 cm



Model name: VR70

深圳市阿瑞仕科技有限公司

SHENZHEN ARES TECHNOLOGY CO., LTD.

Antenna technical indicators

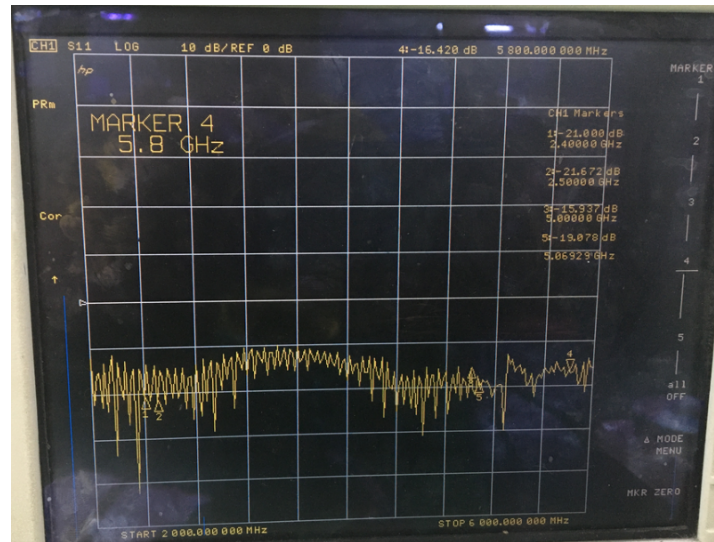
Product name	ARWIFI3000SMAZ-5292	Document no.	AR.WIFI.5292
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1 . Overview

The frequency of the WIFI receiving antenna : 2400MHZ~2500MHZ, 5500MHZ~5800MHZ

2. Antenna performance

Technical requirements	Technical indicators
Range Of Receiving Frequency (MHz)	2400~2500 5500~5800
Gain at Zenith (dBi)	1.0
Max Efficiency	≥30%
Return Loss (dB)	<10
Impedance(Ω)	50
Polarization	Linear



Maximum Gain/Efficiency

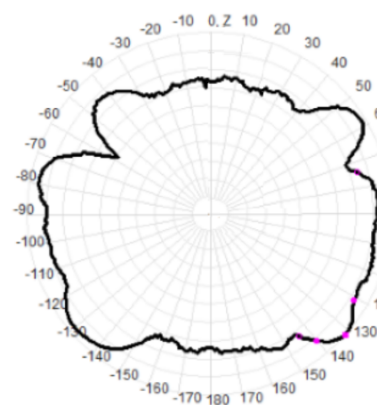
FEITUKEJI						
Frequency ID	1	2	3	4	5	6
Frequency (MHz)	2400.0	2420.0	2440.0	2460.0	2480.0	2500.0
Efficiency (dBi)	-4.86	-4.95	-4.52	-4.32	-4.21	-4.44
Gain (dBi)	-0.40	0.87	0.75	1.05	0.84	1.04
Efficiency (%)	32.63	32.01	35.34	36.99	37.96	36.00

	17	18	19	20	21	22	23	24	25	26	27
0	5500.0	5550.0	5600.0	5650.0	5700.0	5750.0	5800.0	5850.0	5900.0	5950.0	6000.0
0	-7.12	-7.01	-7.33	-6.03	-7.28	-6.11	-7.26	-7.74	-7.16	-6.87	-6.84
1	-1.02	-2.24	-2.21	-1.19	-2.57	-1.56	-2.49	-2.87	-2.21	-0.91	-1.42
7	19.43	19.88	18.50	24.97	18.71	24.48	18.79	16.83	19.23	20.58	20.71

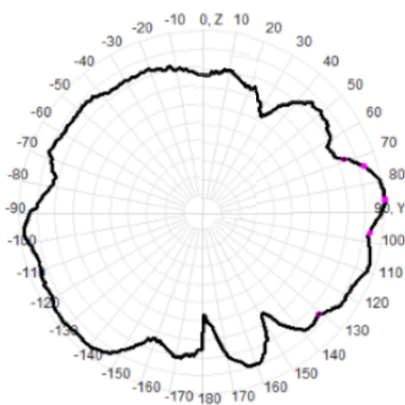
2D Radiation pattern

2.4Ghz

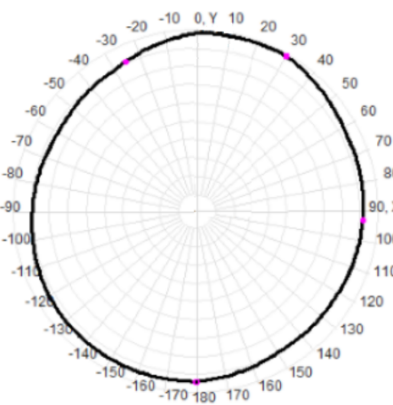
2400.0MHz Total(E1-XZ)



2400.0MHz Total(E2-YZ)

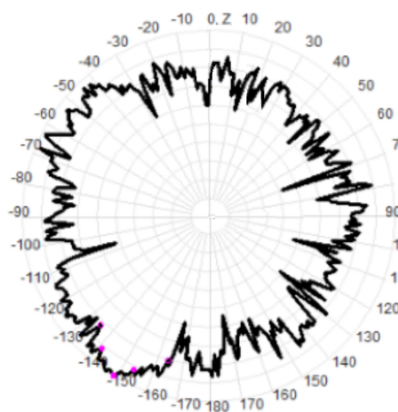


Total(H-XY)

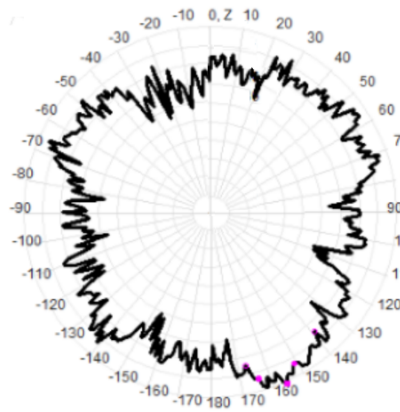


5.4Ghz

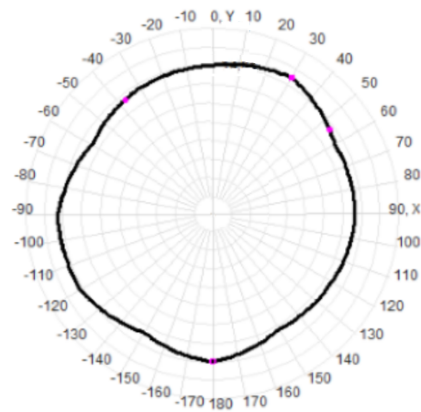
5400.0MHz Total(E1-XZ)



5400.0MHz Total(E2-YZ)

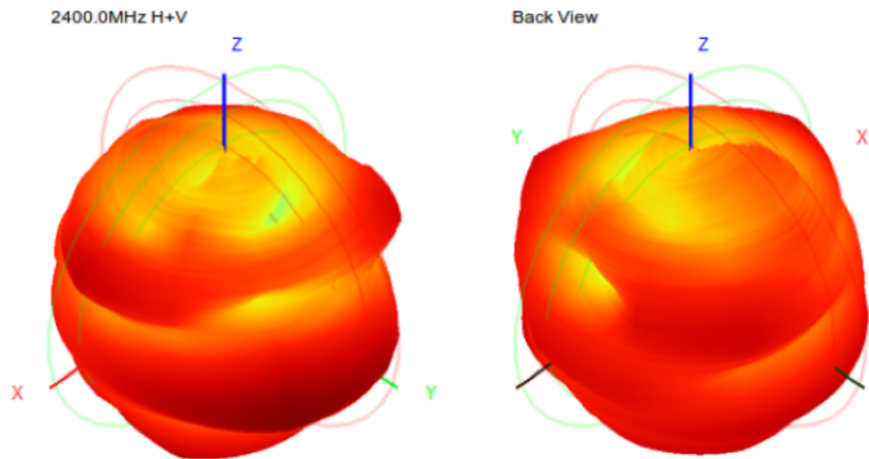


Total(H-XY)

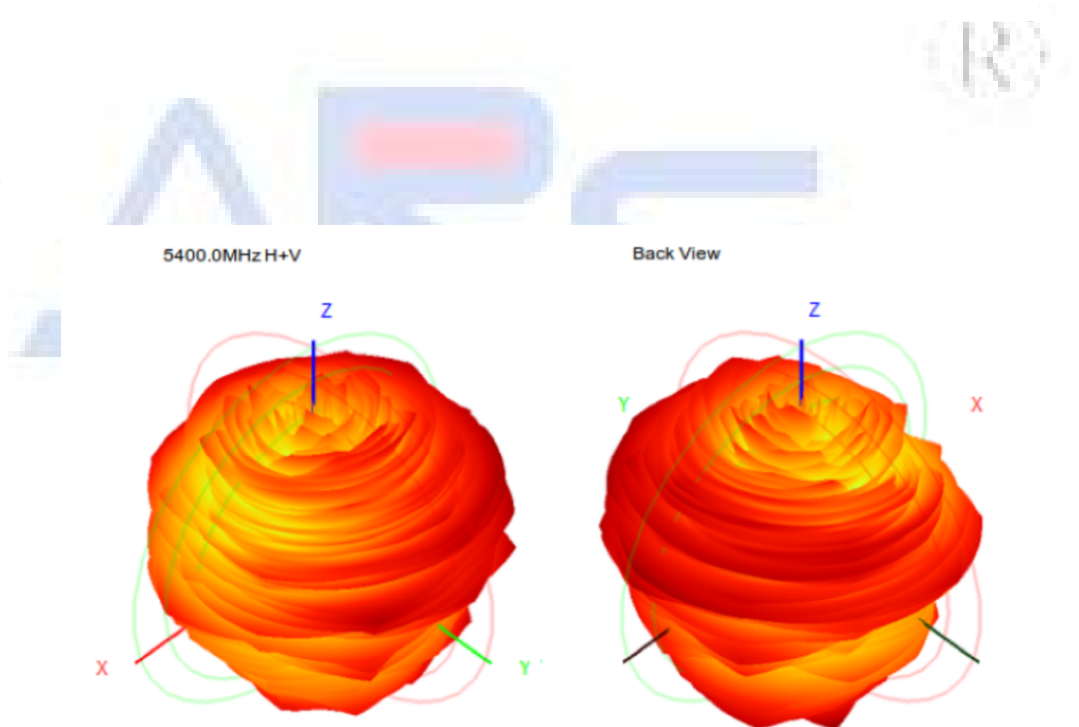


3D Radiation pattern

2.4Ghz



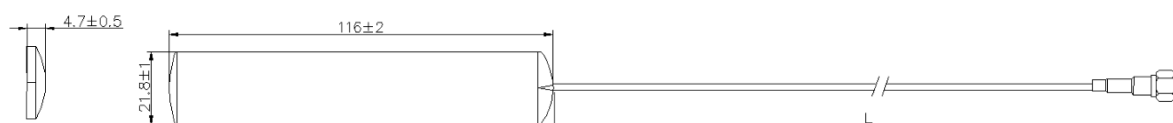
5.4Ghz



3. Test environments

Operational Temperature	-25℃～+70℃
Storage Temperature	-40℃～+80℃
Wet degree	20%～95%

4 . Dimension (Units : mm)



L=3000 (RG174+SMA(M))



5. Packing Specifications :

Single-chip independent packaging, Packing bag: 10*15CM self-sealing bag,
A large package of 20PCS, Packing bag:23*33CM self-sealing bag.



One box: 20 bags, 160PCS, Weight about 8KG, Box size: 40*35.5*18.6CM



6. Lot number & marking:

The production parking+ production year is expressed as four numbers using silk printing or laser printing on the product surface.

The first two numbers represent the year after parking.

Silk Print: Dark Gray

Razer Print: Marked in natural black.

Due to the recognition rate, the final decision will be made after checking the product.

* Printed Specification: 2.5&5Ghz (Dark gray)

* 4924: 49 (Weeks) 24 (Year)



7. REACH Certification

REACH model no.: ARWIFI3000SMAZ-5292



Page 1 of 17

Report No.: LCSA08214129R

TEST REPORT

Applicant : SHENZHEN ARES TECHNOLOGY CO., LTD.
Address : 3F, A6 Building, Low Carbon Demo Zone, Silicon Valley Power
Industrial Park, Guiyue Road, Fucheng Street, Longhua New Dist,
Shenzhen, Guangdong, P.R.China

The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant

Sample Name(s) : ARWIFI3000SMAZ-5292

Trade Mark : N/A

Tested Model No. : A0637-5292

Sample Received Date : August 23, 2024

Testing Period : August 23, 2024 ~ August 27, 2024

Date of Report : August 28, 2024

Testing Location : 901, No.40 Building, Xialang Industrial Zone, Heshuikou Community,
Matian Street, Guangming District, Shenzhen, Guangdong, China
Test Requested : As specified by client, to screen the 241 substances of very high concern
(SVHC) under Regulation (EC) No 1907/2006 of REACH in the
submitted sample(s).

Test Method/Test Result(s) : Please refer to the following page(s).

Summary : According to the analytical results, concentrations of all tested SVHC
(see the candidate list) is less than 0.1%(w/w) in the submitted
sample(s).

Signed for and on behalf of LCS



Terry.Luo

TRF-4-R-029 A/0



Shenzhen LCS Compliance Testing Laboratory Ltd.
Add: 901, No.40 Building, Xialang Industrial Zone, Heshuikou Community, Matian Street, Guangming District,
Shenzhen, Guangdong, China
Tel: +(86) 0755-82591330 | E-mail: webmaster@lcs-cert.com | Web: www.lcs-cert.com
Scan code to check authenticity