

TEST REPORT

Reference No...... : WTX24X11272165W
Applicant..... : REKKIE INC
Address..... : 1402 Riverside Dr., Cincinnati, OH 45202
Manufacturer..... : REKKIE INC
Address..... : 1402 Riverside Dr., Cincinnati, OH 45202
Product Name..... : REKKIE Smart Snow Goggles - International Version 900MHz Antenna
Model No...... : SKI-INT 900MHz Antenna
Standards..... : ANSI/ IEEE 149-2021
Date of Receipt sample..... : 2024-11-25
Date of Test..... : 2024-11-25 to 2024-11-28
Date of Issue..... : 2024-11-28
Test Report Form No...... : WTX_IEEE 149
Test Result..... : **Pass**

Remarks:

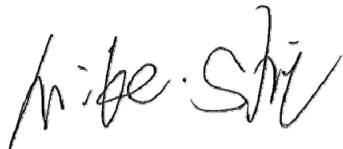
The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of approver.

Prepared By:

Waltek Testing Group (Shenzhen) Co., Ltd.

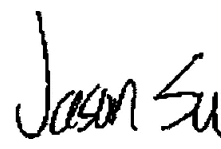
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Tested by:



Mike Shi

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Report version

Version No.	Date of issue	Description
Rev.00	2024-11-28	Original
/	/	/

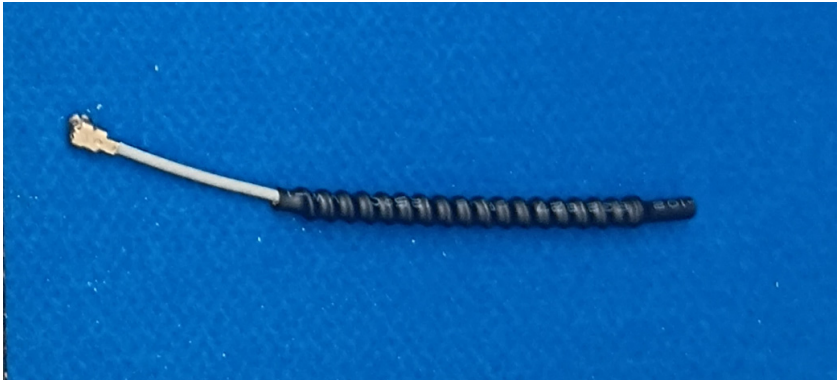
1.GENERAL INFORMATION

1.1 Product Description for Equipment Under Test (EUT)

General Description of EUT	
Product Name:	REKKIE Smart Snow Goggles - International Version 900MHz Antenna
Trade Name:	/
Model No.:	SKI-INT 900MHz Antenna
Adding Model(s):	/
<i>Note: The test data is gathered from a production sample, provided by the manufacturer.</i>	

Technical Characteristics of EUT	
Frequency Range:	800-1000MHz
Gain of Antenna:	-1.64dBi (Max.)
Type of Antenna:	Integral antenna
Size:	3.5*45mm

Dimension:



2. SUMMARY OF TEST RESULTS

Standards	Description of Test Item	Result
ANSI/ IEEE 149-2021	IEEE Recommended Practice for Antenna Measurements	Compliant

N/A: not applicable

3. Antenna Test Configurations

3.1 Test Location

Name:	Shenzhen Morlab Communications Technology Co.,Ltd.
Address:	FL.1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block67, BaoAn District, ShenZhen, GuangDong Province, P.R. China

3.1 Test Environments

Environments Parameter	Temperature	Voltage	Humidit
NTNV	25° C	--	50%

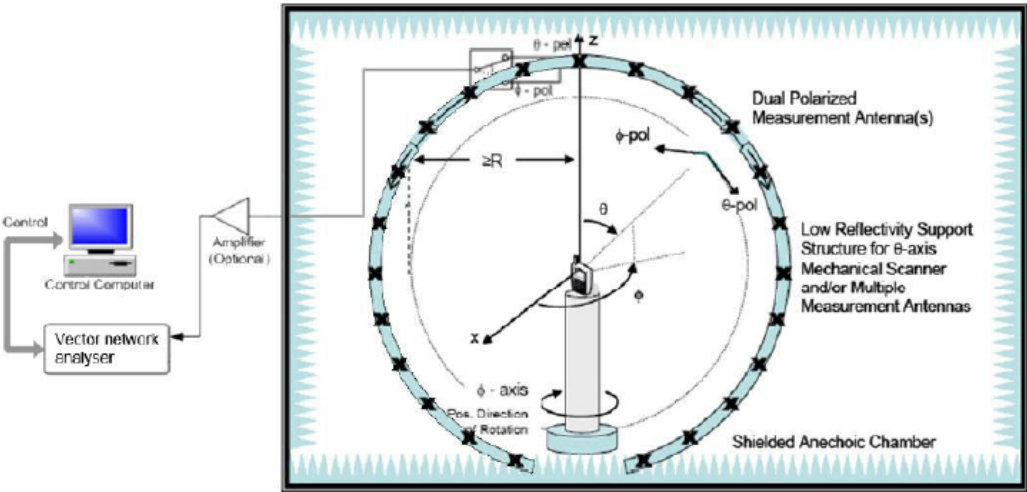
3.2 Test Equipment List

Description	Manufacturer	Model	Serial Number	Cal. Date	Due. Date
Network Analyzer	Agilent	E5071C	MY46110140	2024-05-30	2025-05-29
OTA Chamber	ETS	AMS-8923-150	TJ2235-Q1793	2022-11-30	2025-11-29
Antenna Measurement System	ETS	EMQuest EMQ-100 V1.13 Build 21267	1685	N/A	N/A

3.3 Measurement Uncertainty

The uncertainty is calculated using the methods suggested in the“Guide to the Expression of Uncertainty in Measurement” (GUM) published by ISO. When the test result is a critical value,we will use the measurement uncertainty give the judgment result based on the 95%Confidence intervals.

3.4 Test Setup

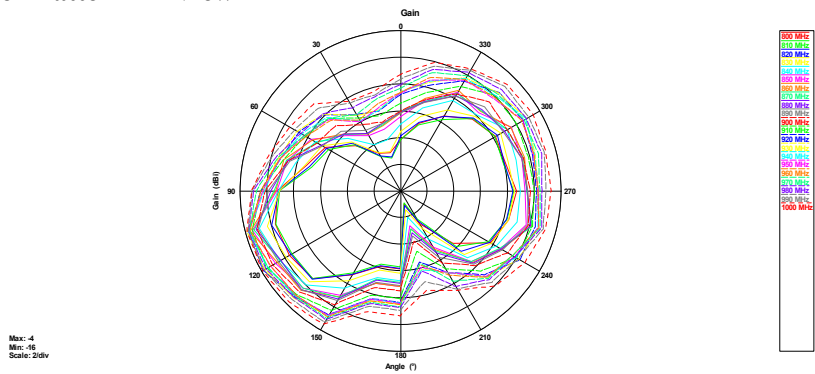


4. Antenna Test Result

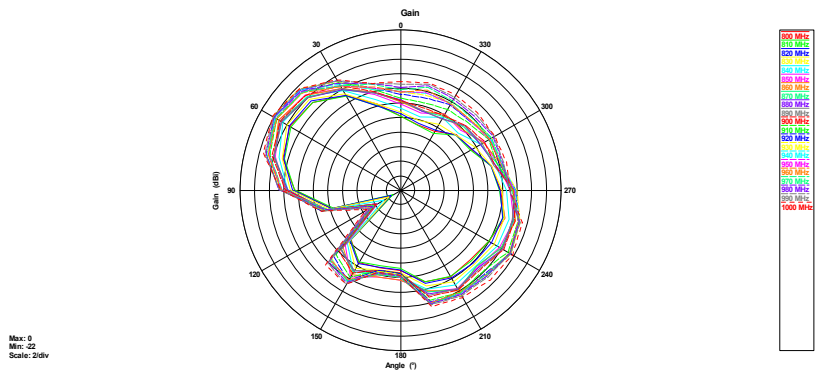
4.1 Gain and Efficiency

Frequency (MHz)	Efficiency (%)	Gain (dBi)
800	15.48	-4.55
810	15.11	-4.70
820	15.75	-4.46
830	16.87	-4.06
840	19.10	-3.47
850	21.33	-2.85
860	22.11	-2.74
870	21.48	-3.03
880	21.44	-3.19
890	21.63	-3.24
900	23.02	-3.03
910	25.87	-2.48
920	27.92	-2.02
930	28.64	-1.85
940	27.78	-2.10
950	27.31	-2.26
960	27.18	-2.39
970	28.26	-2.15
980	29.41	-1.86
990	30.76	-1.72
1000	32.39	-1.64

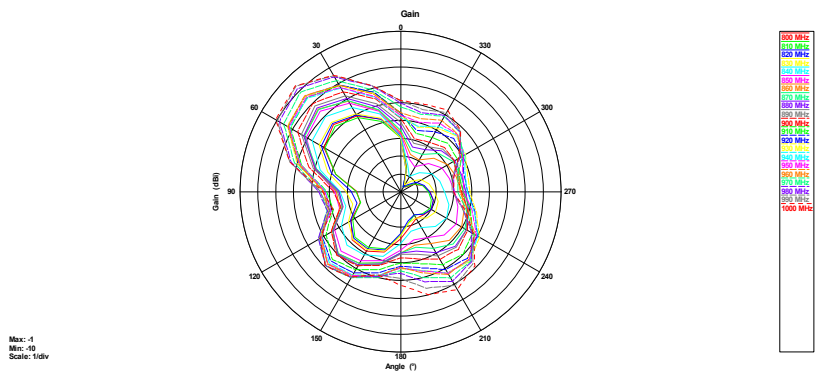
4.2 Radiation Pattern 2D View



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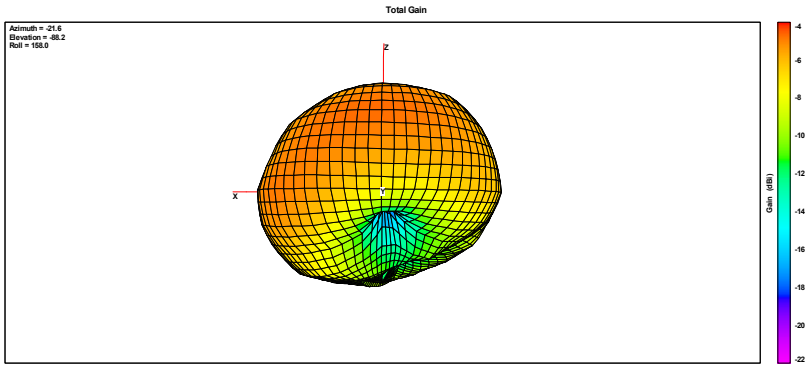


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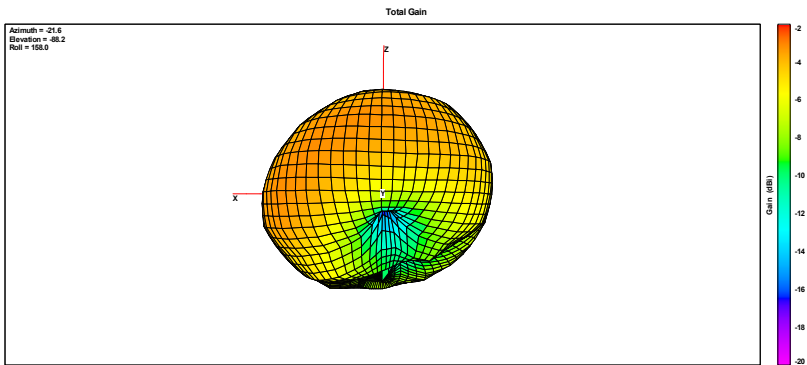


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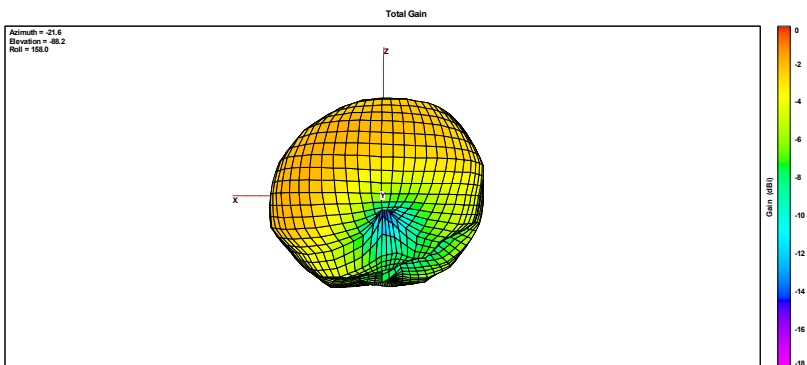
4.3 Radiation Pattern 3D View



800MHz



900MHz



1000MHz

EXHIBIT 1 - EUT PHOTOGRAPHS

EUT View 1

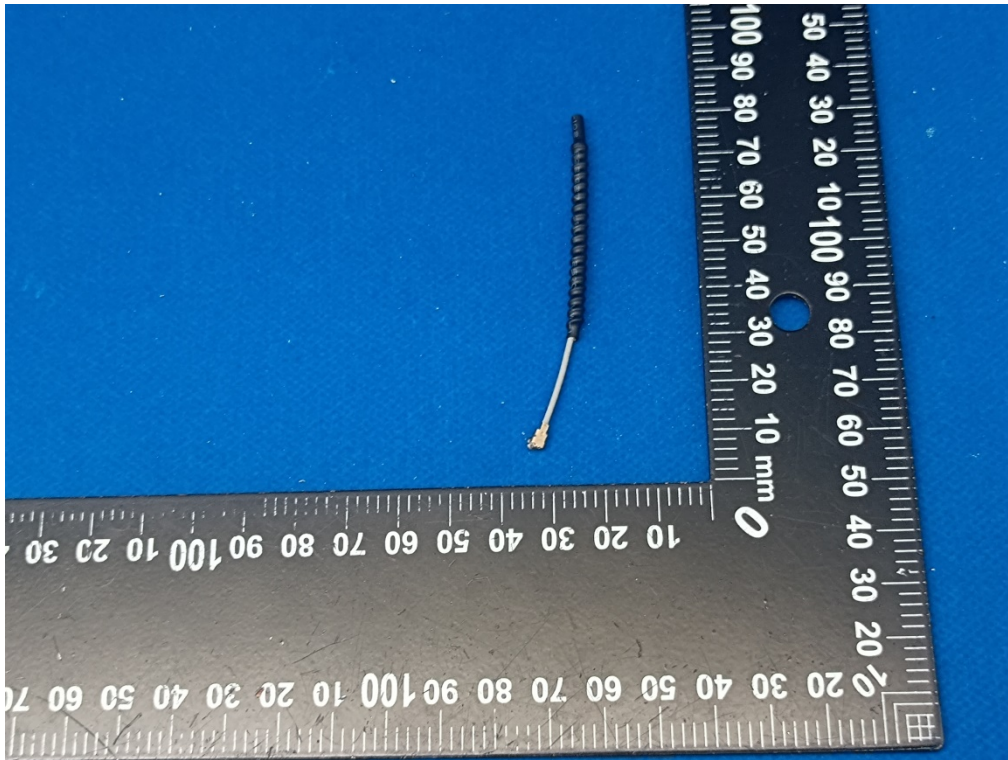
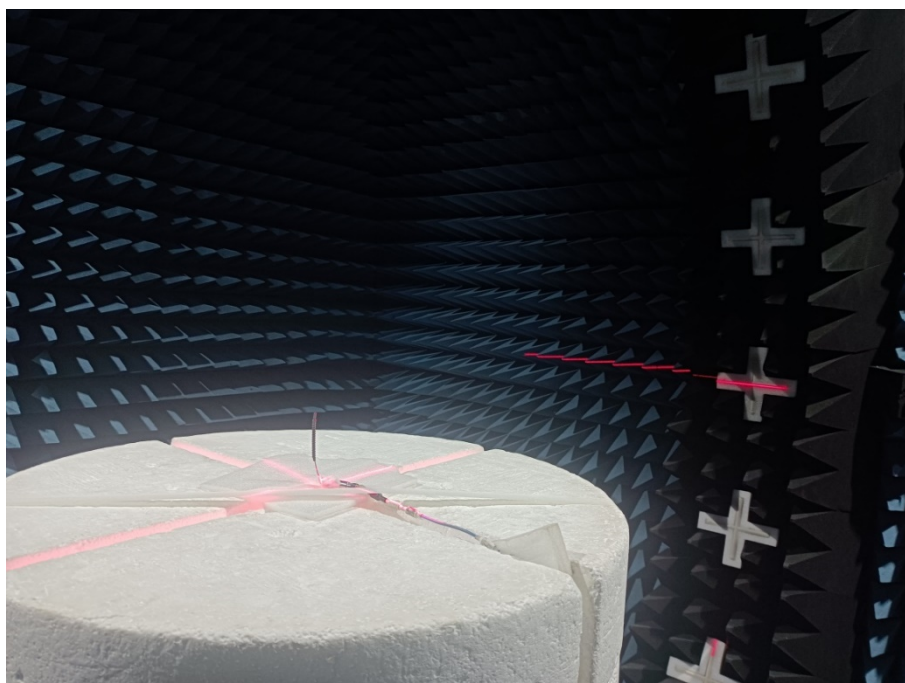


EXHIBIT 2 - TEST SETUP PHOTOGRAPHS

OTA Test View 1:



OTA Test View 2:



***** END OF REPORT *****