



REPORT No.: SZ23100117E01

TEST REPORT

APPLICANT : ShenZhen HongEver Technology Co.,LTD

PRODUCT NAME : LED-Glasses

MODEL NAME : V06

TRADE NAME : N/A

BRAND NAME : N/A

STANDARD(S) : IEEE Std 149-2021

RECEIPT DATE : 2023-10-16

TEST DATE : 2023-10-17

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MORLAB

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Change History		
Version	Date	Reason for change
1.0	2023-10-23	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	ShenZhen HongEver Technology Co.,LTD
Applicant Address:	1105 11th Floor, Bldg 2, Phase 5, Fucheng Digital Innovation Park, No. 15-2, Shijing Road, Fucheng Street, Longhua, Shenzhen China
Manufacturer:	N/A
Manufacturer Address:	N/A

1.2. Equipment Under Test (EUT) Description

Wireless Type	Bluetooth
Frequency	2400MHz-2500MHz
IMEI	N/A
Product HW Version	N/A
Product SW Version	N/A
Sample No.	1#



2. Test Results

2.1. Applied Reference Documents

Leading reference documents for testing:

No.	Identity	Document Title
1	IEEE Std 149-2021	IEEE Recommended Practice for Antenna Measurements

2.2. Test Conditions

Test Environment Conditions:

Relative Humidity(%):	25 - 75
Temperature(°C):	10 - 30

2.3. 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.

2.4. Test Results lists

2.4.1. Gain

Frequency (MHz)	Gain(dBi)
2400	-9.07
2410	-9.26
2420	-9.61
2430	-10.27
2440	-10.58
2450	-10.92
2460	-10.96
2470	-10.99
2480	-11.25
2490	-11.57
2500	-11.68

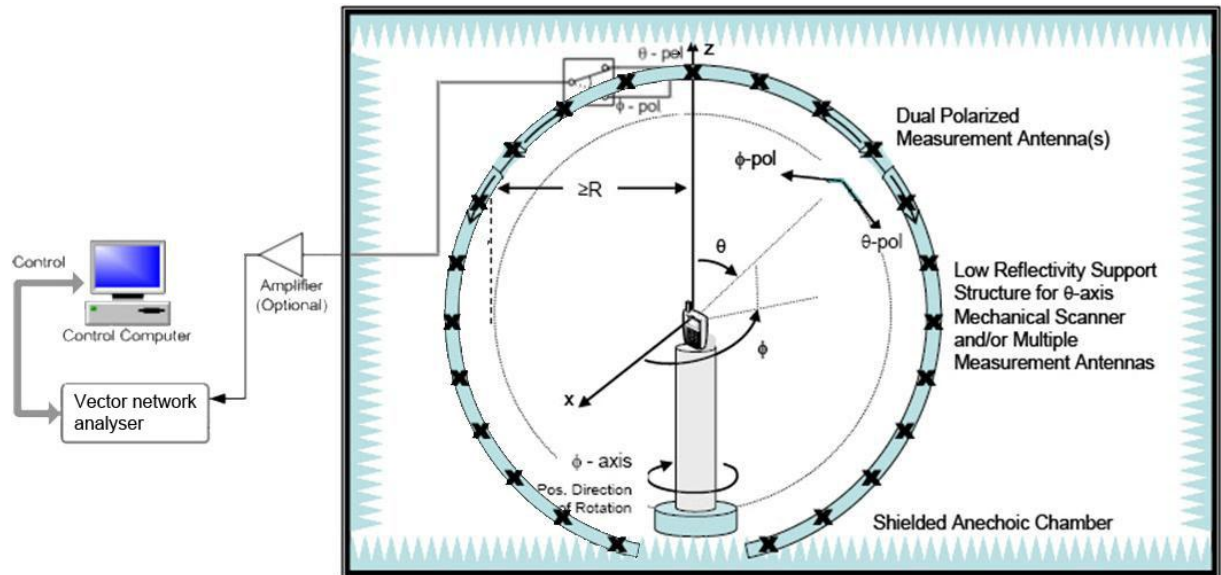
2.4.2. VSWR

Frequency (MHz)	VSWR
2400	2.92
2450	3.76
2500	4.83

2.4.3. Return Loss

Frequency (MHz)	Return Loss (dB)
2400	-6.19
2450	-4.72
2500	-3.64

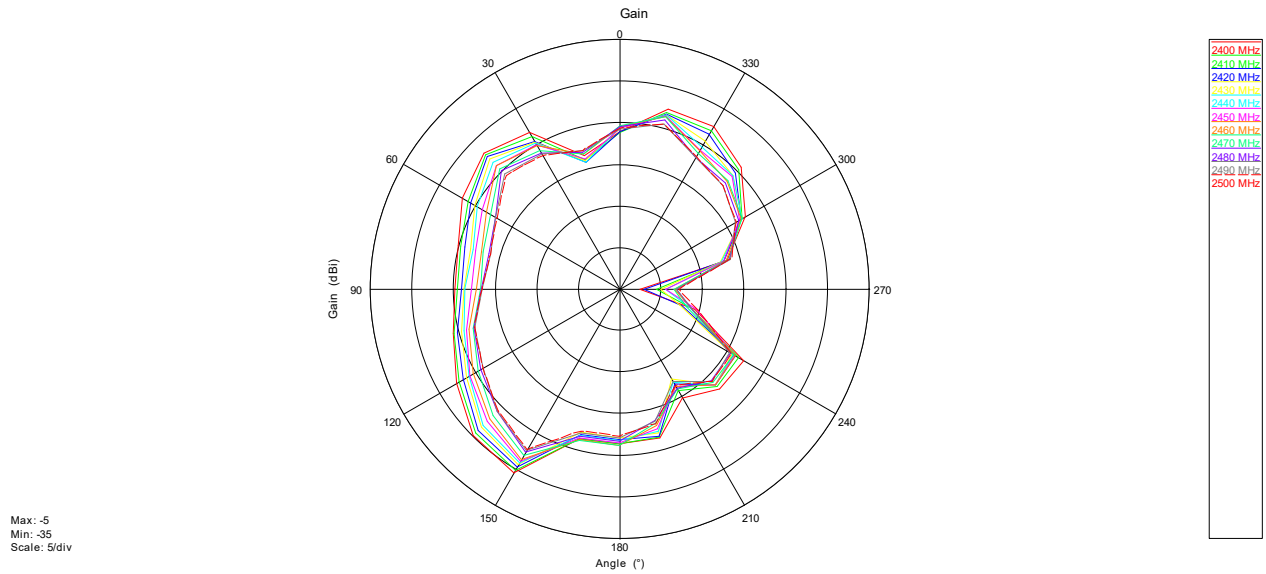
Annex A Test Setup Photos



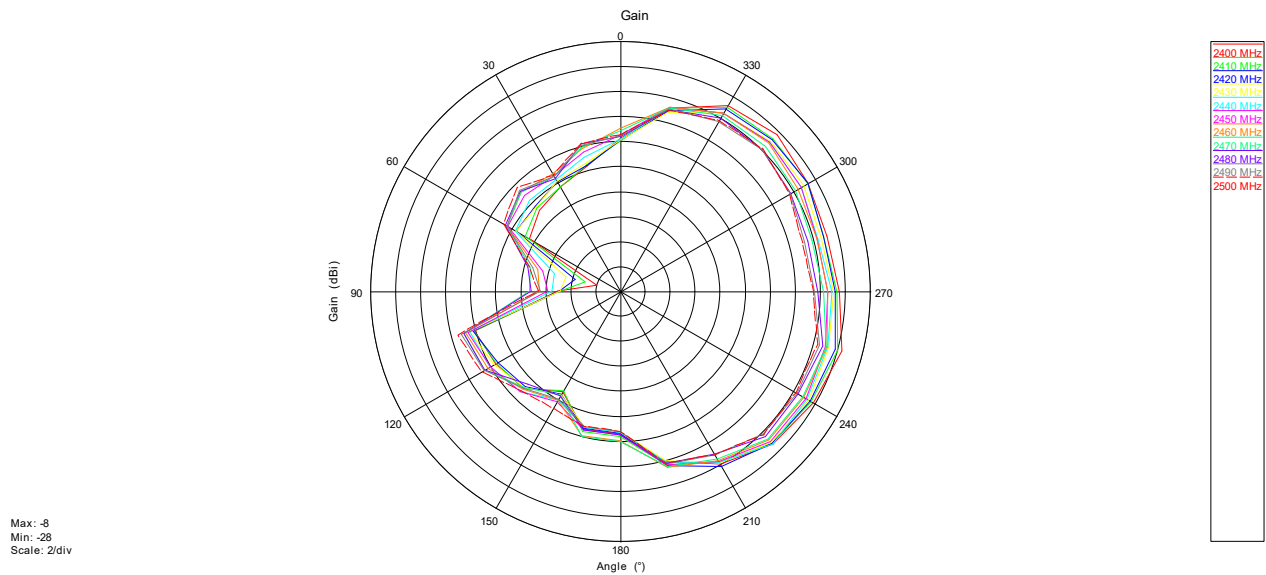


Annex B Figures

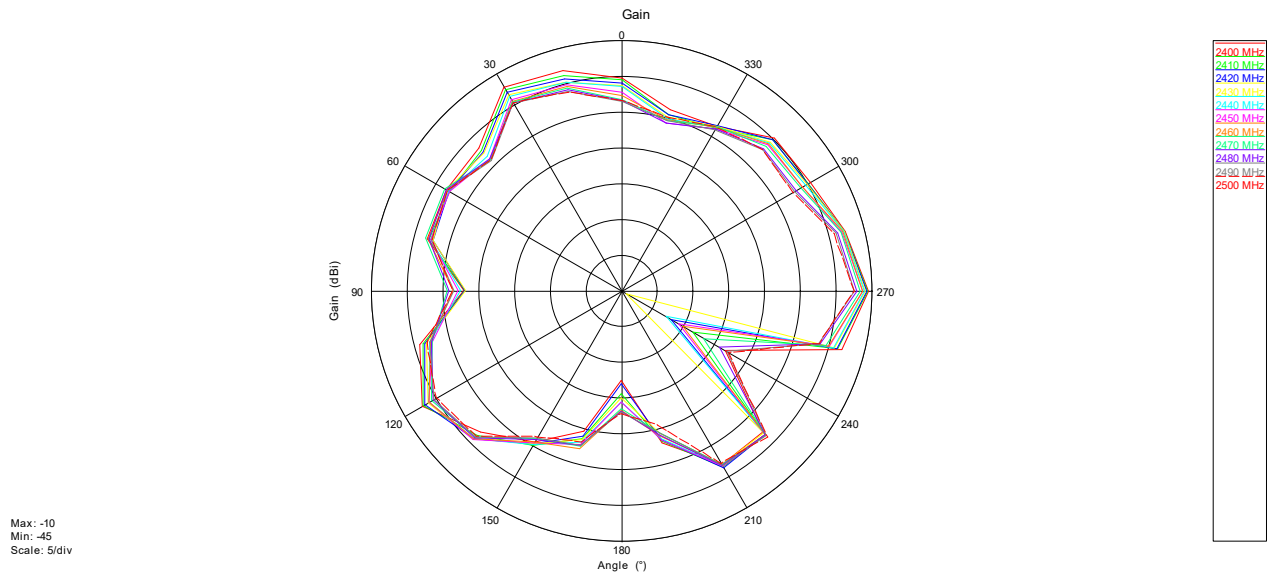
1. 2D Radiation Pattern



Phi=0°

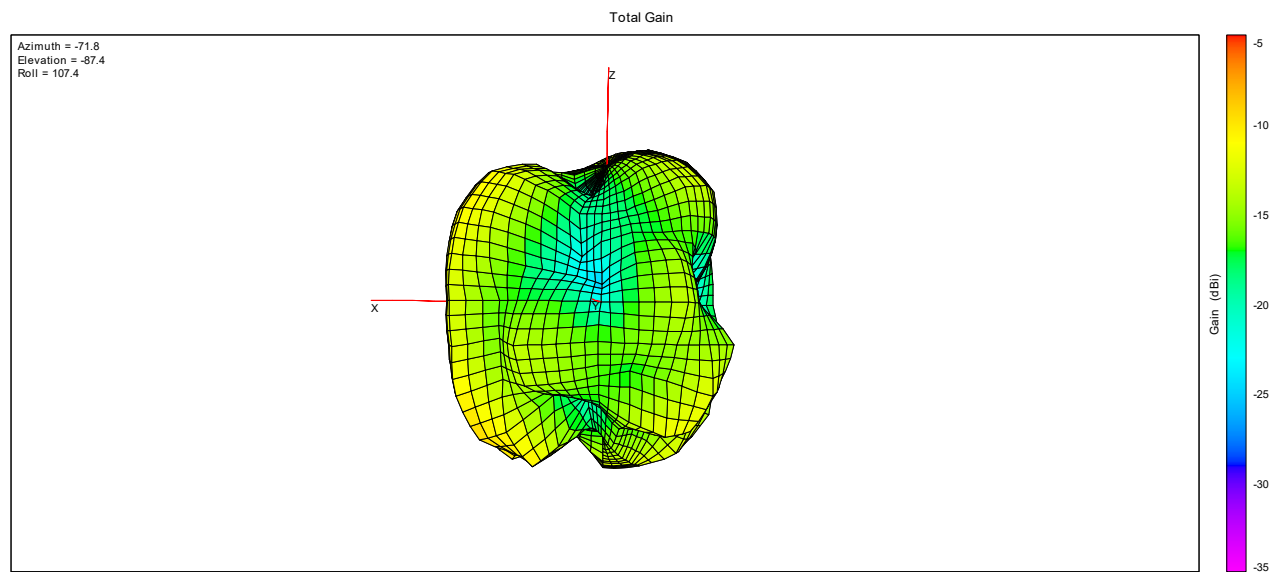


Phi=90°

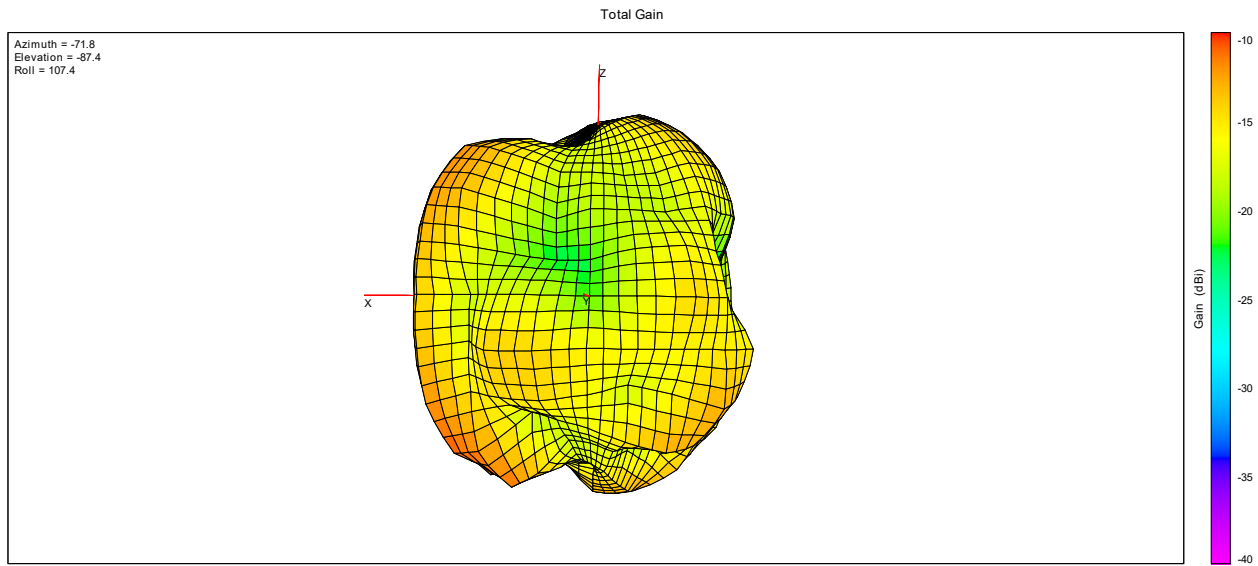


Theta=90°

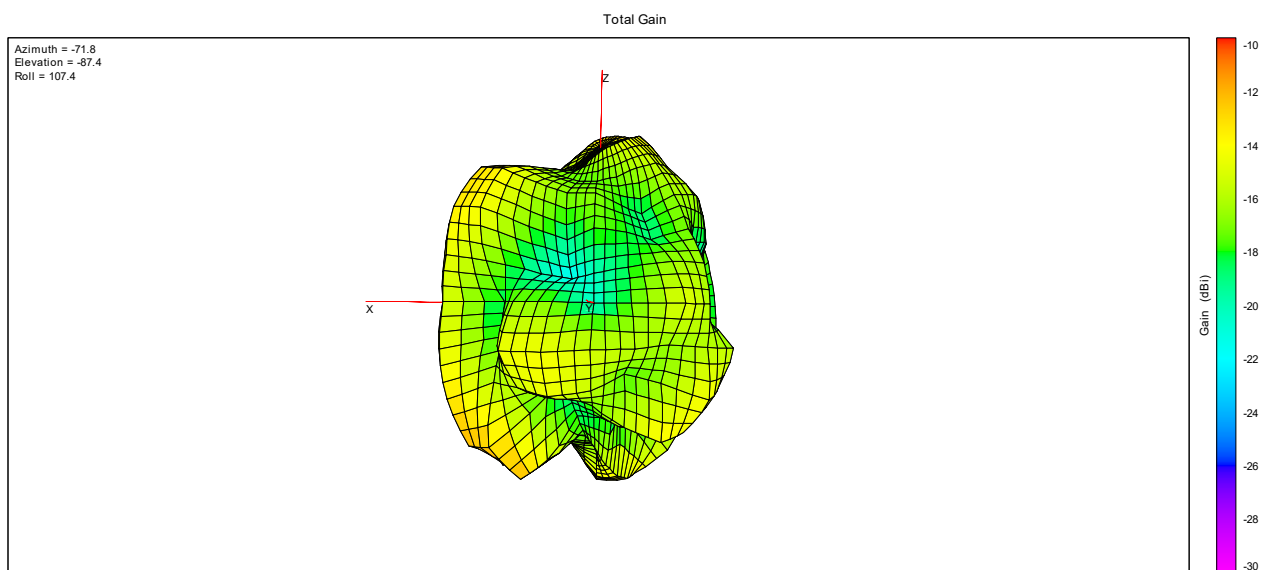
2. 3D Radiation Pattern



2400MHz



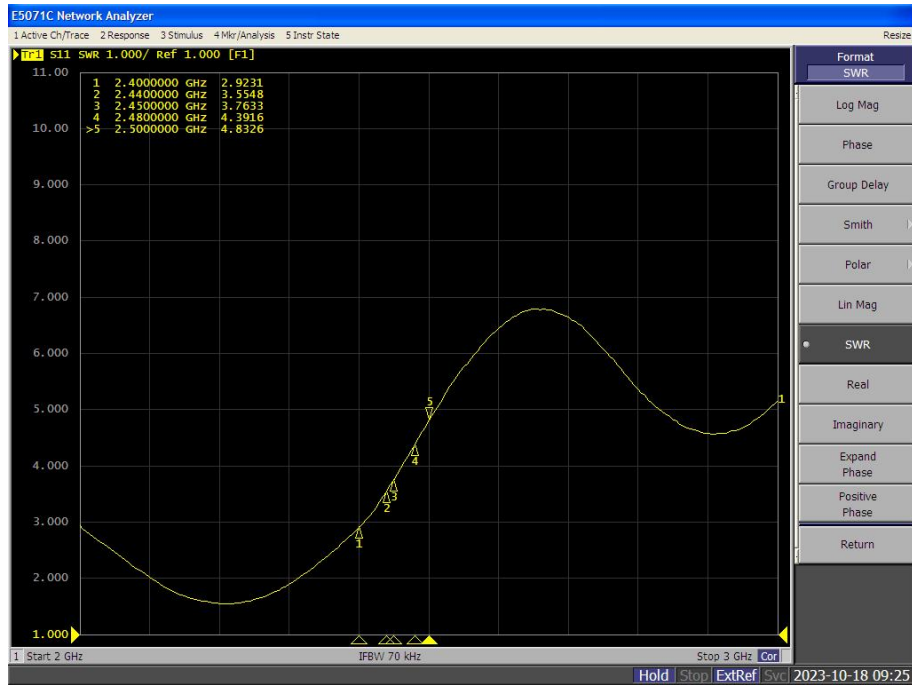
2440MHz



2480MHz



3. VSWR



4. Return Loss





Annex C General Information

1.1 Identification of the Responsible Testing Laboratory

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Laboratory Address:	FL.1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block67, BaoAn District, ShenZhen , GuangDong Province, P. R. China
Telephone:	+86 755 36698555
Facsimile:	+86 755 36698525

1.2 Identification of the Responsible Testing 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

1.3 Test Equipments Utilized

No.	Equipement Name	Serial No.	Type	Manufacturer	Cal.Date	Cal.Due Date
1	Network Analyzer	MY46110140	E5071C	Agilent	2023.06.21	2024.06.20
2	OTA Chamber	TJ2235-Q1793	AMS-8923 -150	ETS	2022.11.30	2025.11.29
3	Antenna Measurement System	1685	EMQuest EMQ-100 V 1.13 Build 21267	ETS	N/A	N/A

Note: The Main report is end here and the other Annex D will be submitted separately.

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