



REPORT No.: SZ22070046E01

TEST REPORT

APPLICANT : ZHUHAI SKY TECHNOLOGY CO.,LTD.

PRODUCT NAME : Full color LED FPC

MODEL NAME : F2248

TRADE NAME : N/A

BRAND NAME : N/A

STANDARD(S) : ANSI/IEEE Std 149-2008

RECEIPT DATE : 2022-07-05

TEST DATE : 2022-07-05

ISSUE DATE : 2022-07-06

Edited by:

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MORLAB

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Change History		
Version	Date	Reason for change
1.0	2022-07-06	First edition



1. Technical Information

Note: Provide by manufacturer.

1.1. Applicant and Manufacturer Information

Applicant:	ZHUHAI SKY TECHNOLOGY CO.,LTD.
Applicant Address:	WEST SIDE OF THE SECOND FLOOR,THE SECOND PHASE, NO.8 TEN ROAD,THE WEST OF NANPING SCIENCE AND TECHNOLOGY ZONE, ZHUHAI
Manufacturer:	Shenzhen i-LedShow Technology Co., Ltd.
Manufacturer Address:	Company Address: Room 506, 5th Floor, Tongfang Center, Shajing Center Road, Baoan District, Shenzhen

1.2. Equipment Under Test (EUT) Description

Wireless Type	N/A
Test frequency	2400MHz -2500MHz
IMEI	N/A
Sample number	1#

2. Test Results

2.1. Applied Reference Documents

Leading reference documents for testing:

No.	Identity	Document Title
1	ANSI/IEEE Std 149-2008	IEEE Standard Test Procedures for Antennas

2.2. Test Conditions

Test Environment Conditions:

Relative Humidity:	25 ... 75 %
Temperature:	+10 °C to +30 °C

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.

Item	Measurement Uncertainty(dB)
Gain	±0.5
VSWR	±0.2
Measurement Uncertainty(95% Confidence Interval) K=2	



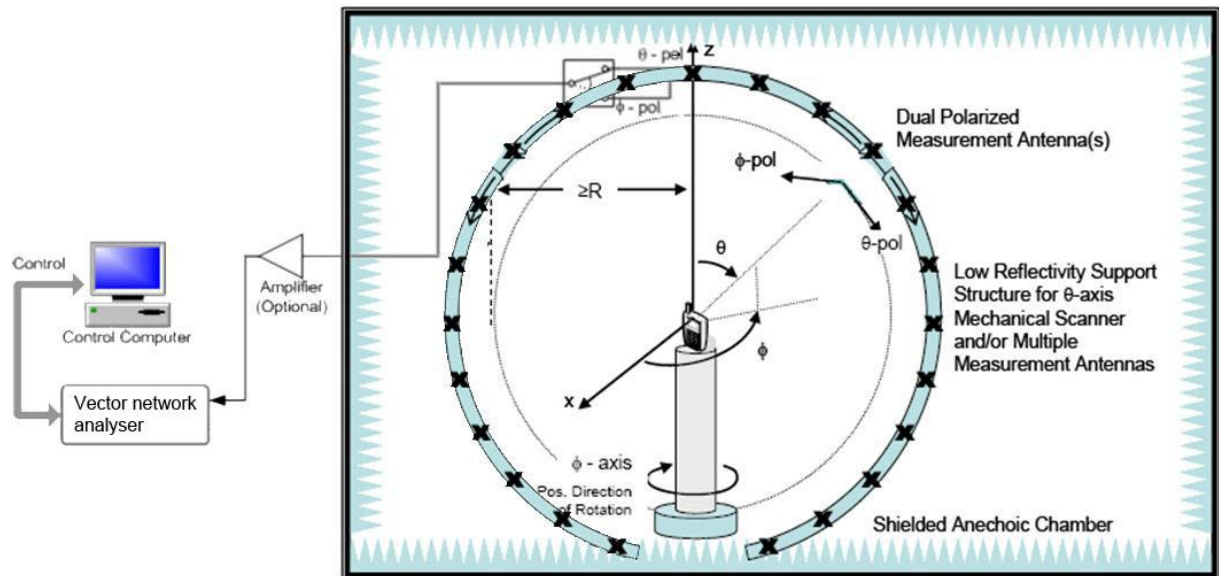
2.4. Test Results lists

2.4.1. Gain

Frequency	Gain(dBi)
2400MHz	1.07
2410MHz	1.20
2420MHz	1.08
2430MHz	1.09
2440MHz	1.04
2450MHz	1.00
2460MHz	0.88
2470MHz	0.89
2480MHz	1.01
2490MHz	1.02
2500MHz	0.83

Annex A Photographs

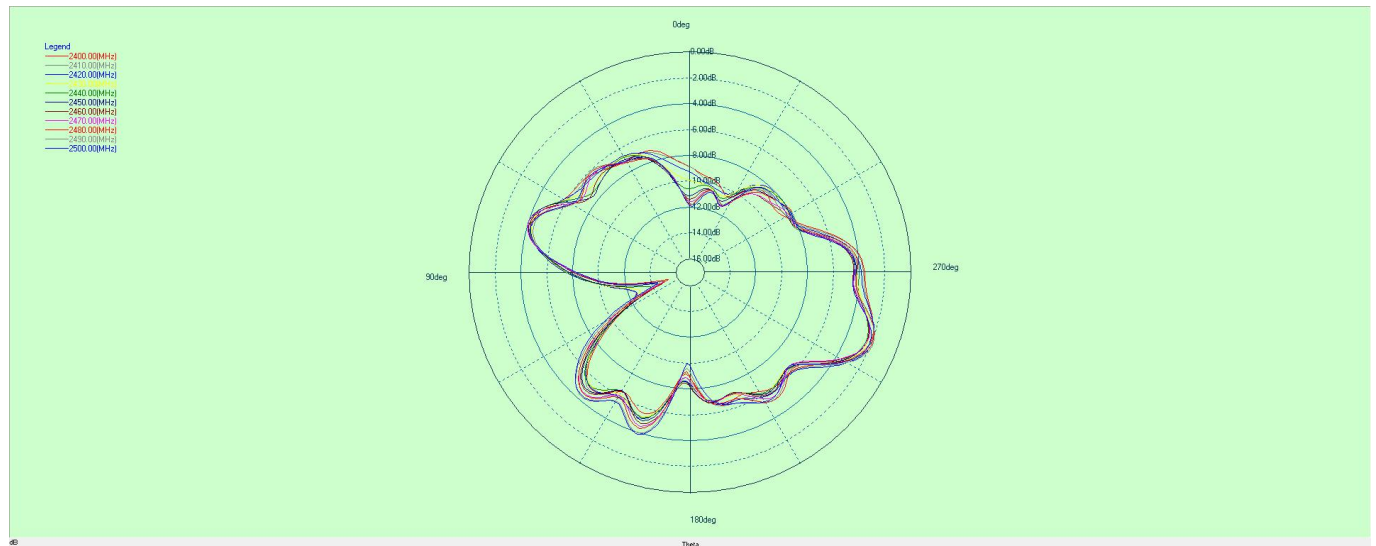
1. Test Setup



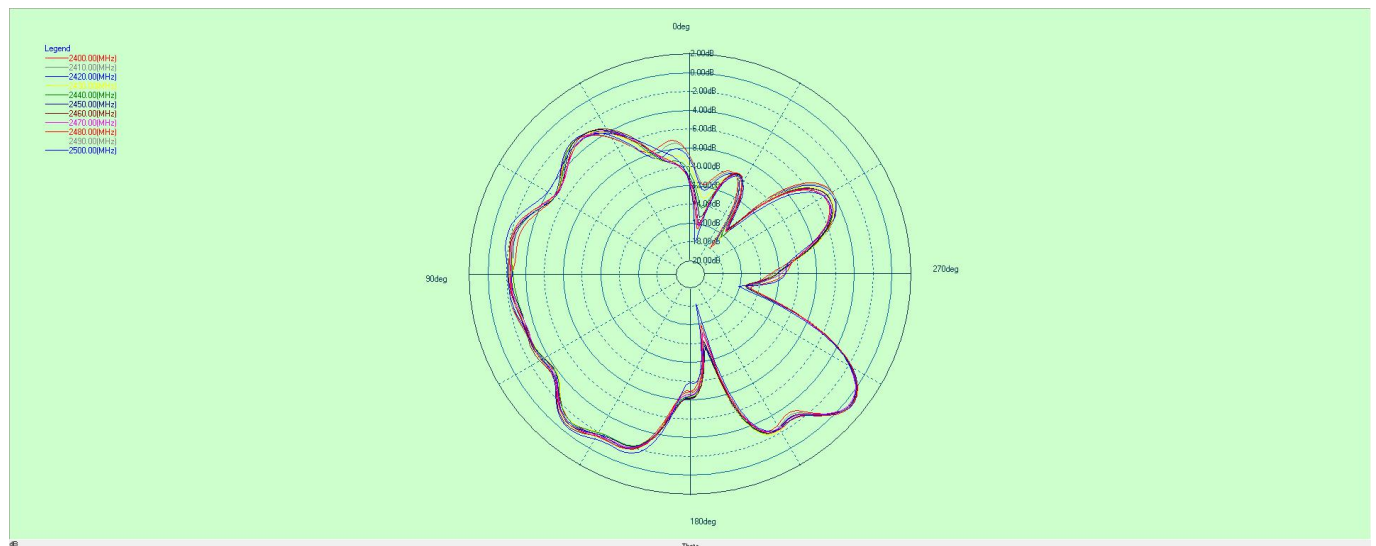
Annex B Figures

1. 2D Radiation Pattern

Phi=0°



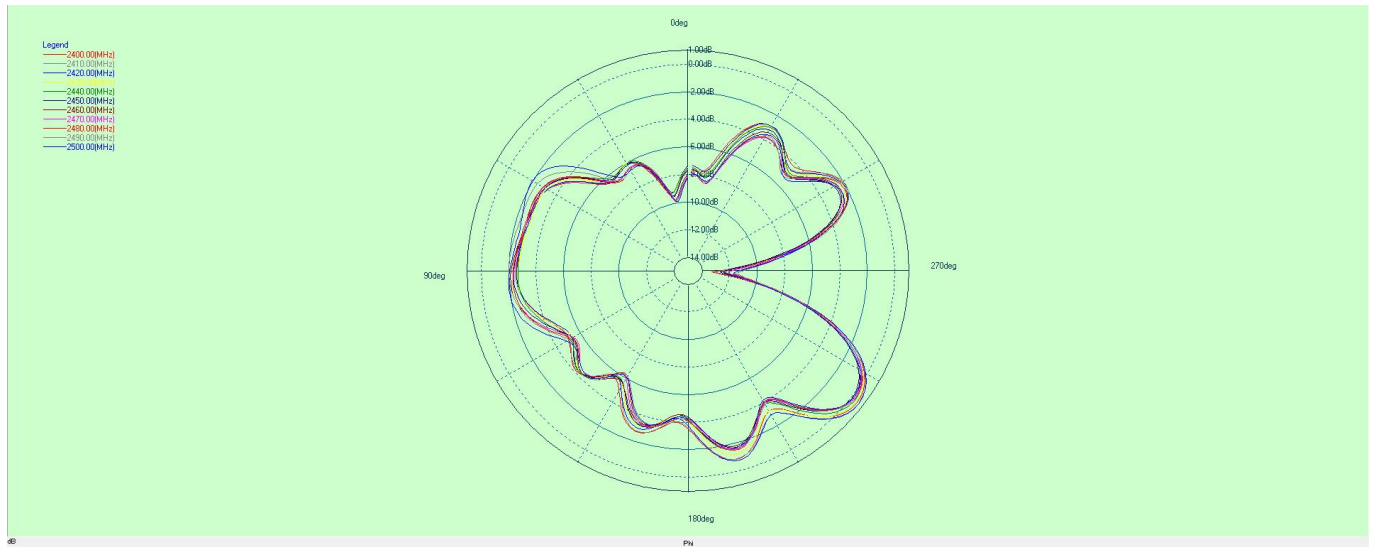
Phi=90°



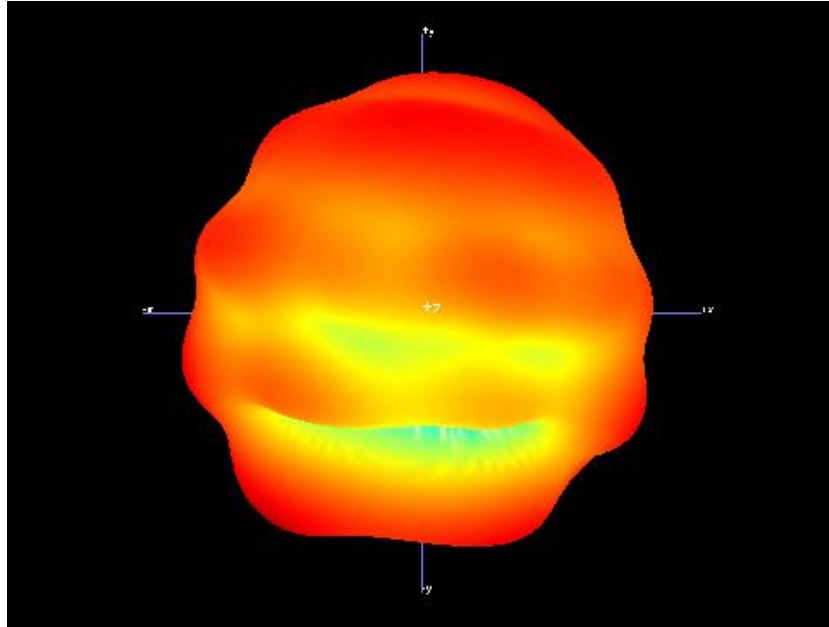


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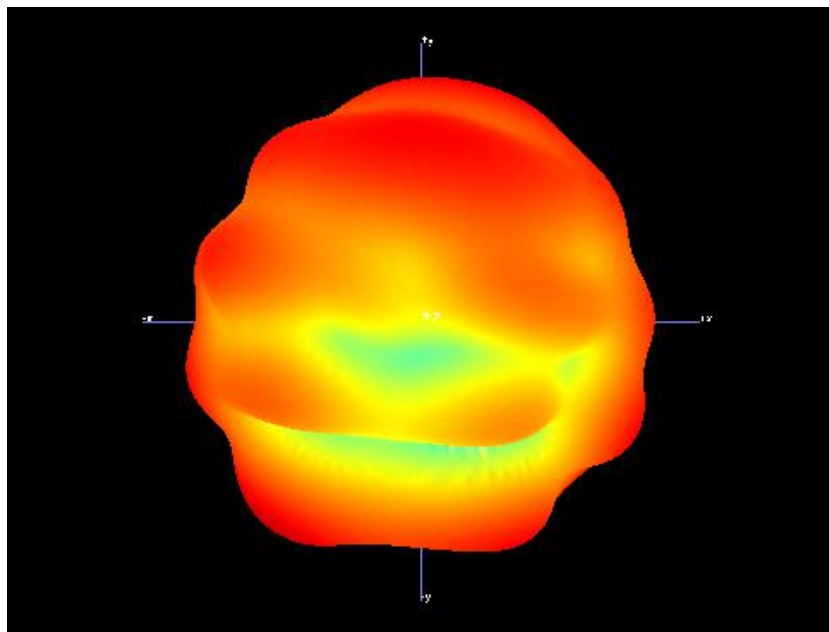
Theta=90°



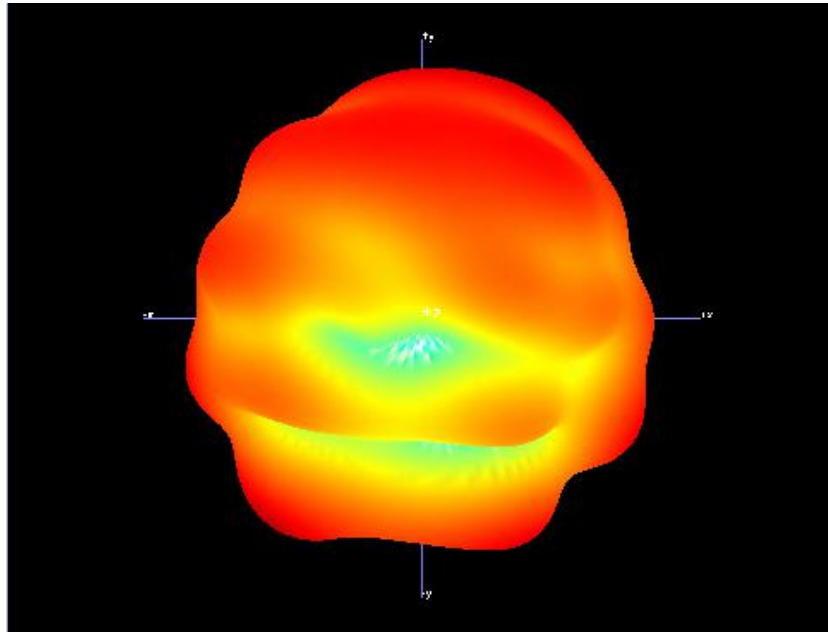
2. 3D Radiation Pattern



2400MHz



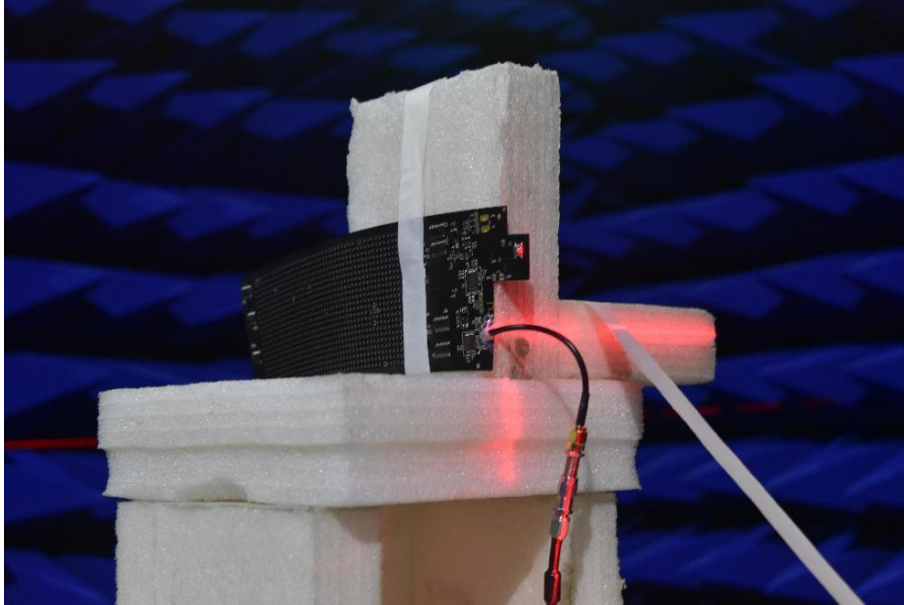
2450MHz



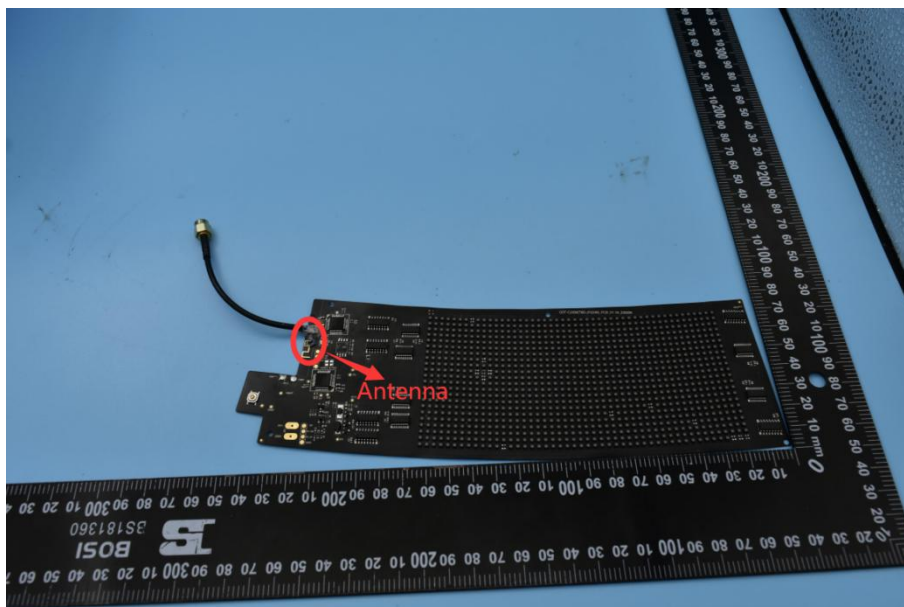
2500MHz

Annex C Photographs

1. Test environment



2. EUT







Annex D General Information

1.1 Identification of the Responsible Testing Laboratory

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Laboratory Address:	FL1-3, 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:	FL1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block67, BaoAn District, ShenZhen , GuangDong Province, P. R. China

1.3 Test Equipments Utilized

NO.	Equipment Name	Serial NO.	Type	Manufacturer	Cal.Date	Cal.Due Date
1	Vector Network Analyzer	MY46214666	E5071C	Agilent	2022.03.01	2023.02.28
2	OTA Chamber	N/A	SG24	Satimo	2021.01.12	2024.01.11
3	SatEnv	N/A	2.0.1.5 build 12	Satimo	N/A	N/A
4	SPM	N/A	1.11	Satimo	N/A	N/A

————— END OF REPORT —————