



REPORT No. : SZ16050039E01

ANTENNA PERFORMANCE TEST REPORT

APPLICANT : GODOX Photo Equipment Co.,Ltd

PRODUCT NAME : TTL Wireless Flash Trigger

MODEL NAME : X1C X1N X1S

TRADE NAME : Godox

BRAND NAME : N/A

STANDARD(S) : IEEE149-1979

ISSUE DATE : 2016-05-12



SHENZHEN MORLAB COMMUNICATIONS TECHNOLOGY Co., Ltd.

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Change History		
Issue	Date	Reason for change
1.0	2016-05-12	First edition



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Test Report Declaration

Applicant	GODOX Photo Equipment Co.,Ltd
Applicant Address	Building A4, Xinhe Huafa Industrial Zone ,Fuhai RD West, Fuyong Town Baoan District, Shenzhen 518103,China
Manufacturer	N/A
Manufacturer Address	N/A
Product Name	TTL Wireless Flash Trigger
Model Name	X1C X1N X1S
Brand Name	N/A
HW Version	N/A
SW Version	N/A
Test Standards	IEEE149-1979
Test Date	2016-05-10
Test Result	N/A

Tested by : Qin Weida
Qin Weida

Reviewed by : Chi Shide
Chi Shide

Approved by : Zeng Dexin
Zeng Dexin



1. Technical Information

Note: Provide by applicant.

1.1. Applicant Information

Company: GODOX Photo Equipment Co.,Ltd
Address: Building A4, Xinhe Huafa Industrial Zone ,Fuhai RD West, Fuyong Town Baoan District, Shenzhen 518103,China

1.2. Equipment under Test (EUT) Description

Brand Name:	N/A
Trade Name:	Godox
Model Name:	X1C X1N X1S
Frequency:	2413MHz---2464.5MHz

1.2.1. Photographs of the EUT

Please reference ANNEX C.

1.2.2. Identification of all used EUTs

The EUT identity consists of numerical and letter characters, the letter character indicates the test sample, and the following two numerical characters indicate the software version of the test sample.

EUT Identity	Hardware Version	Software Version
A01	N/A	N/A



2. Test Results

2.1. Applied Reference Documents

Leading reference documents for testing:

No.	Identity	Document Title
1	IEEE149-1979	IEEE Standard Test Procedures for Antennas

2.2. Test Conditions

Test Environment Conditions:

Relative Humidity:	15 ... 75 %
Temperature:	+10 °C to +30 °C

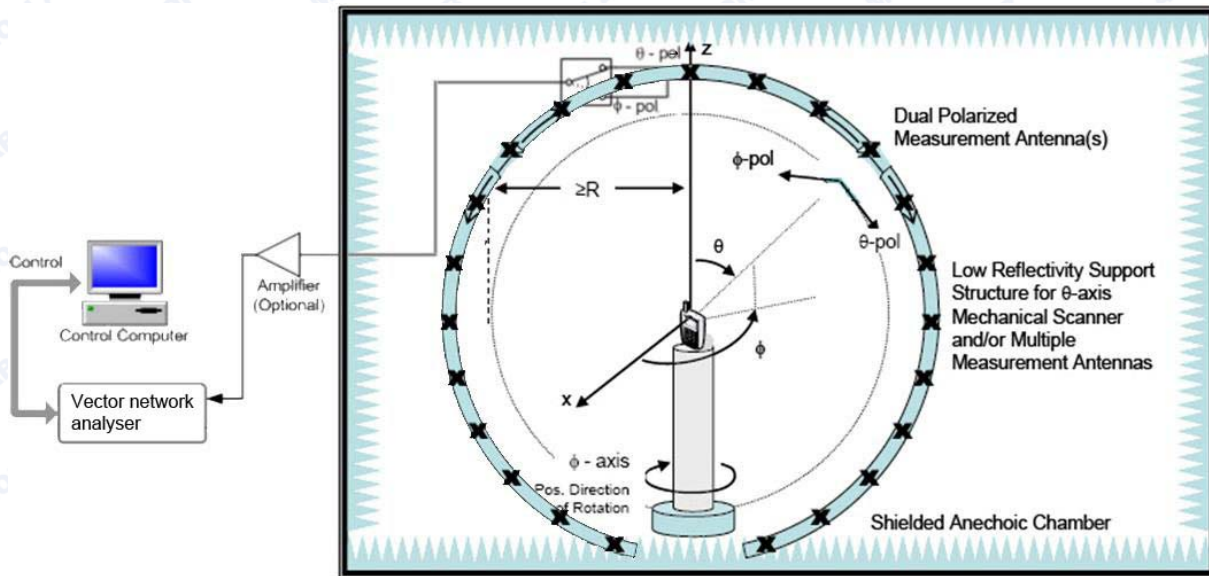
2.3. Test Results lists

2.3.1. Gain

Frequency	Gain(dBi)
2400MHz	-0.37847
2410MHz	-0.69588
2420MHz	-0.97422
2430MHz	-1.46593
2440MHz	-1.76019
2450MHz	-2.52949
2460MHz	-2.59129
2470MHz	-2.87039
2480MHz	-3.187
2490MHz	-3.109
2500MHz	-3.3401

Annex A Test Setup

1. Test Setup

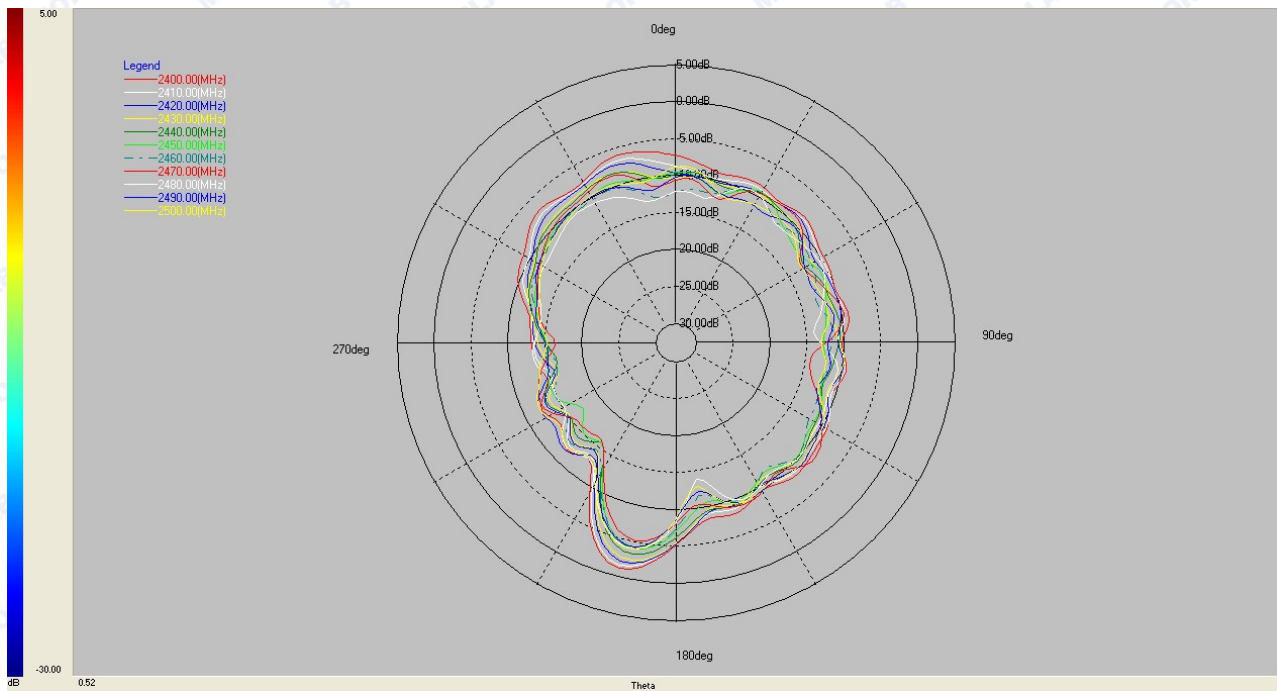




Annex B Figures

1. 2D Radiation Pattern

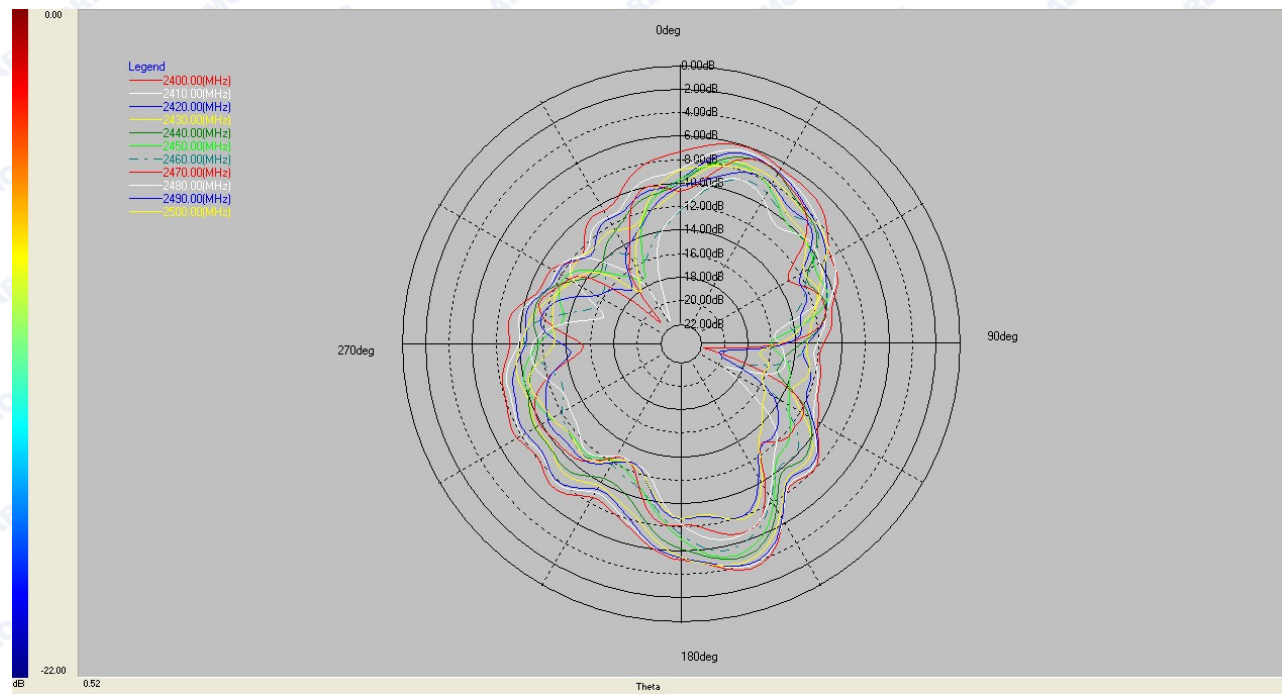
Phi=0°



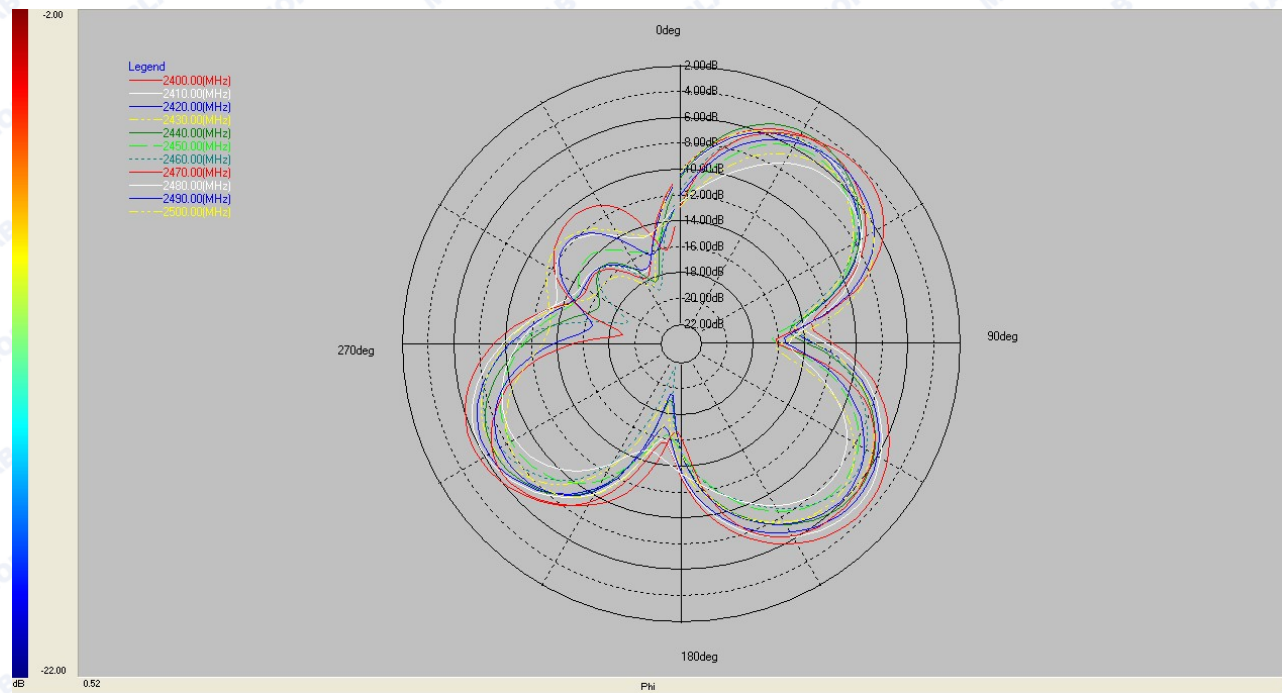


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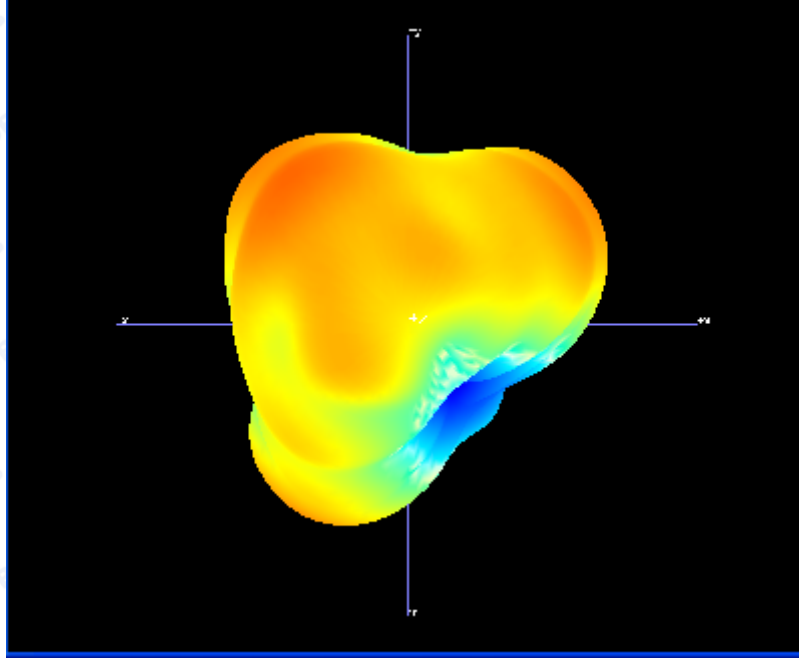
Phi=90°



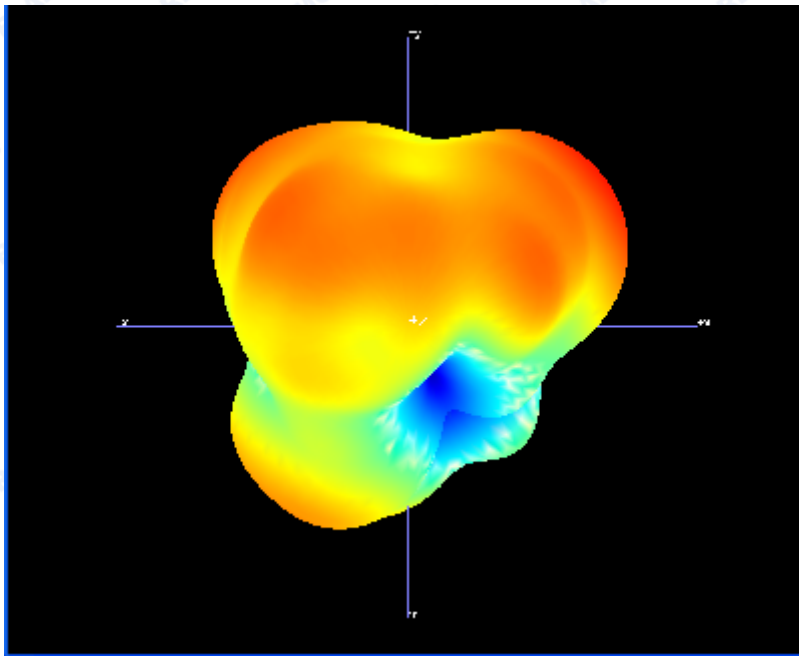
Theta=90°



2. 3D Radiation Pattern



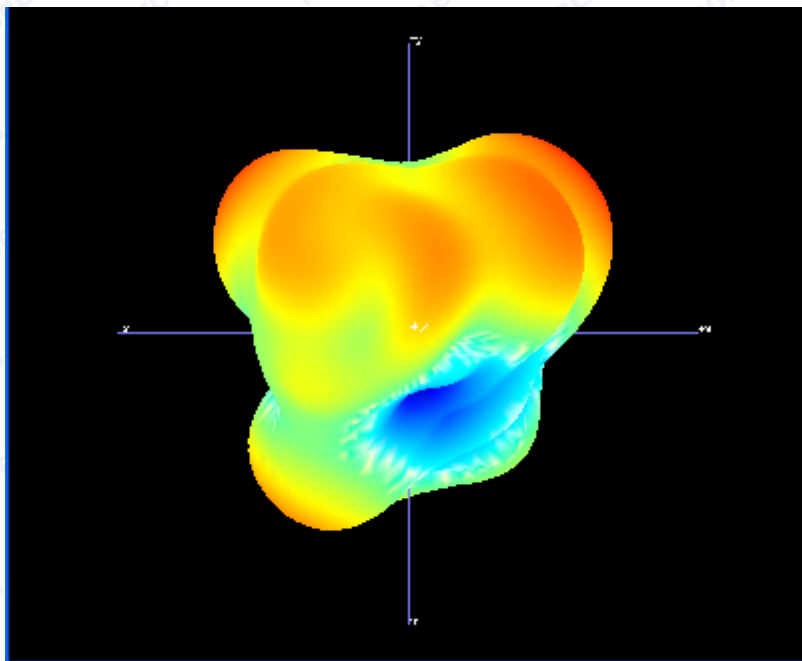
2400MHz



2450MHz



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2500MHz

Annex C Photographs

1. EUT

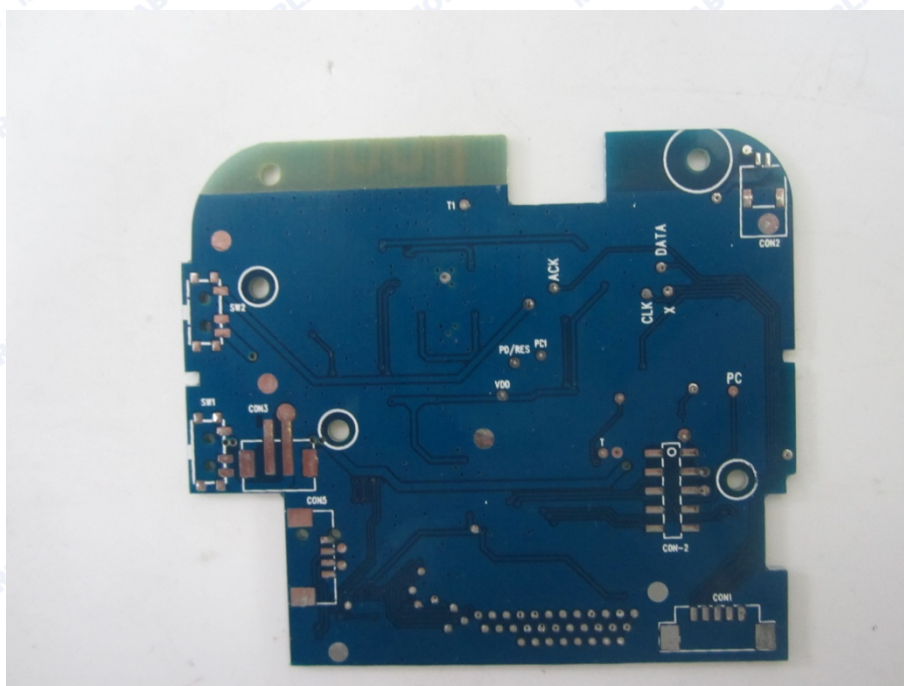
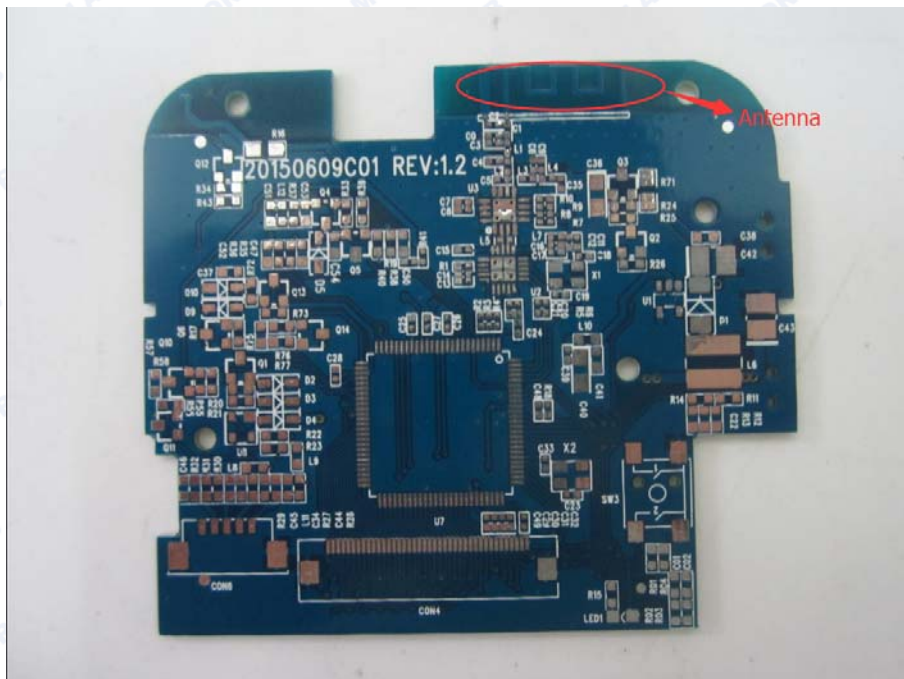




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Annex D General Information

1.1 Identification of the Responsible Testing Laboratory

Company Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Department:	Morlab Laboratory
Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, Guangdong Province, P. R. China
Responsible Test Lab Manager:	Mr. Su Feng
Telephone:	+86 755 36698555
Facsimile:	+86 755 36698525

1.2 Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd. Morlab Laboratory
Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, Guangdong Province, P. R. China

1.3 Test Equipments Utilized

1.3.1 List of Test Equipment

No.	Type	Specification
1	8960-5515C System Simulator	Manufacturer: Agilent
2	CMW 500 System Simulator	Manufacturer: R&S
3	E5071B Vector Network Analyzer	Manufacturer: Agilent
4	4*4*4 Full Anechoic Chamber	Manufacturer: Satimo
5	SG24 Multi-probe Antenna Measurement System	Manufacturer: Satimo

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