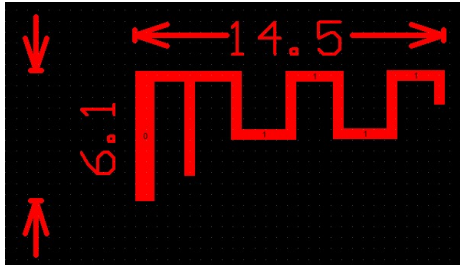


Antenna Spec

一、Antenna introduction

The wireless transmitter module antenna is directly used on the PCB board.

二、Antenna configuration



三、Antenna parameter

The wireless transmitter antenna operates at 2400-2483.5 MHz , and resonates in this band. The following table shows the main parameters of the antenna.

PCB ANT	
Frequency(MHz)	2402 ~ 2480 MHz
VSWR	≤ 1.92
Impedance	50 Ohm Nominal
Return Loss	-10 dB Max
Radiation	Omni-directional
Gain (Peak)	1.5dB
Polarization	Linear, Vertical
Admitted Power	2W
Connector	Tin

四、Antenna gain detection report

Spectrum Detector: PK

Test Date :

Test By:

Temperature :26℃

Test Result: PASS

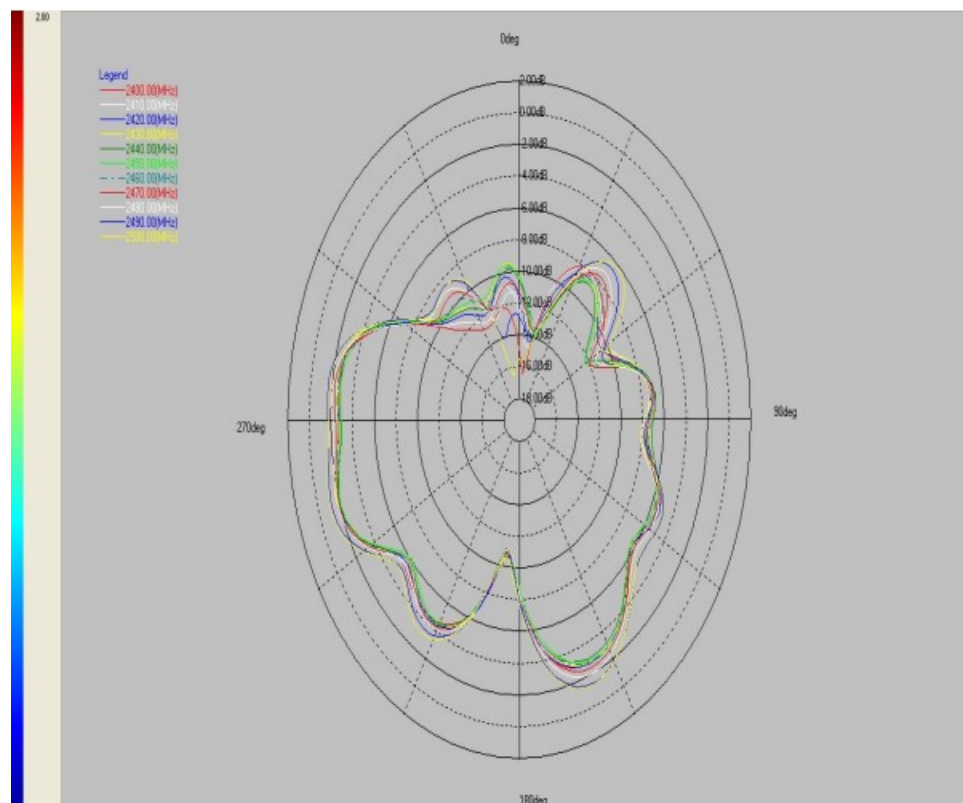
Humidity : 55 %

Modulation: GFSK

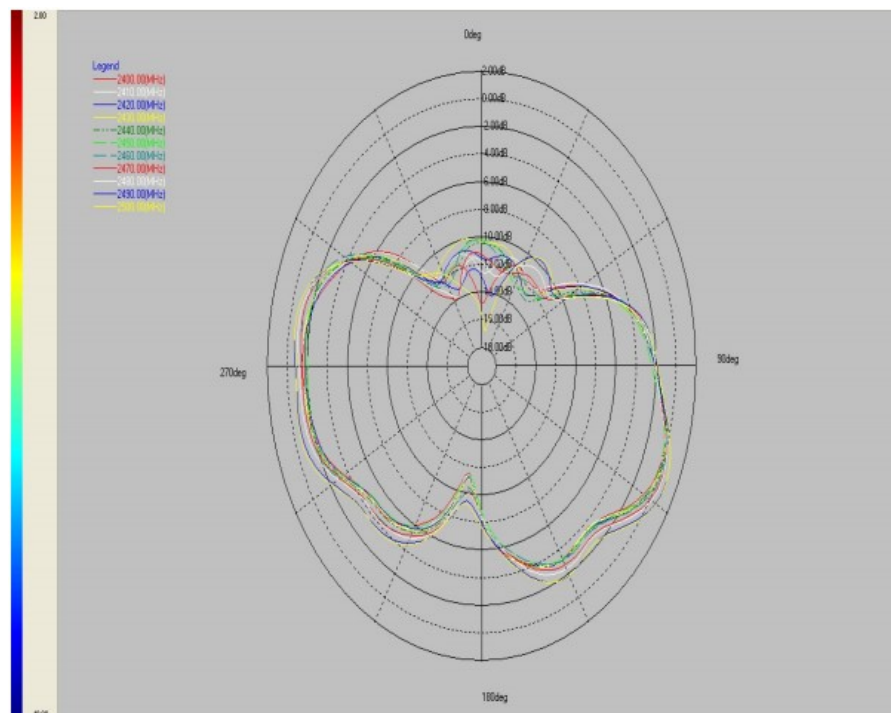
Frequency VNA (MHz)	E Total. dB(dB)
2400MHz	0.0403503
2410MHz	0.0886264
2420MHz	0.267381

2430MHz	0.193012
2440MHz	0.26366
2450MHz	0.0723139
2460MHz	0.36895
2470MHz	0.551525
2480MHz	0.640702
2490MHz	1.05232
2500MHz	1.08443

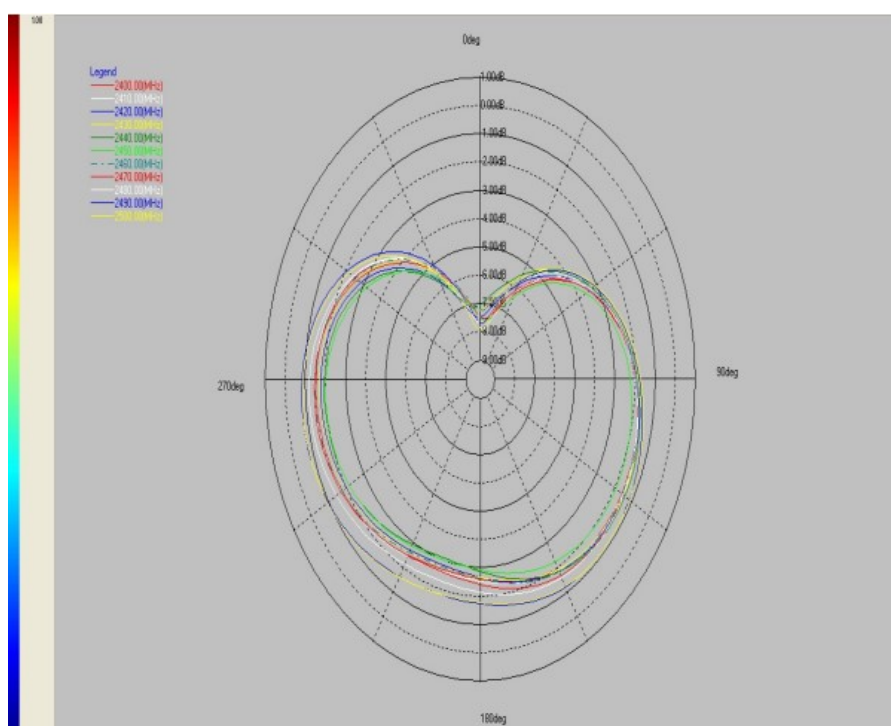
Direction map:



PHI0 度



PHI90 度



THETA90 度

Standing wave ratio chart:



Product Description

The EUT is a short range, lower power, Splash designed as a Device. It is designed by way of utilizing the GFSK, 1/4Π-DQPSK and 8DPSK modulation achieves the system operating.

A major technical descriptions of EUT is described as following:

- A). Operation Frequency: 2402-2480MHz
- B). Modulation: GFSK
- C). Number of Channel: 1
- D). Channel space: 1MHz
- E). RF Output power: 0.44dbm
- F). BIT Rate of Transmission: 1Mbps, 2Mbps, 3Mbps
- G). Antenna Type: PCB antenna
- H). Antenna GAIN: 1.5dB