

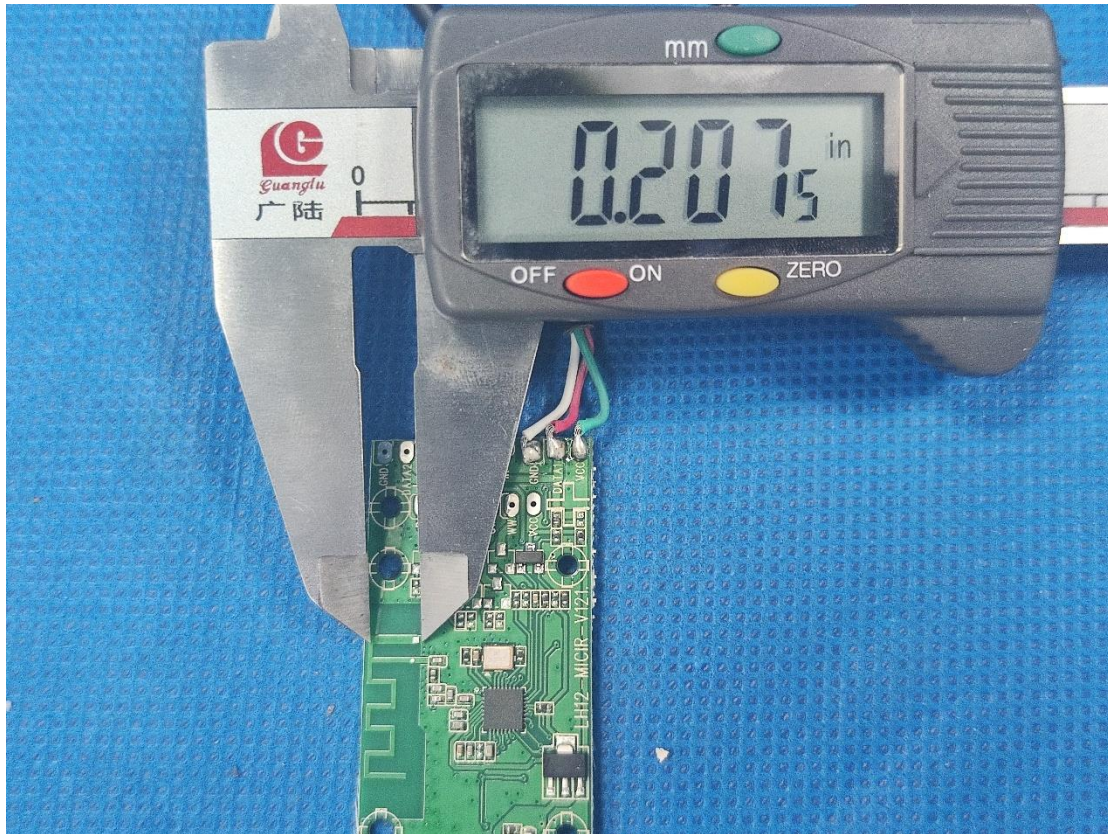
## 1. Antenna Description:

|                 |                         |
|-----------------|-------------------------|
| Antenna type    | PCB ANT                 |
| Model           | FL148                   |
| Frequency range | 2402-2480MHz            |
| Manufacturer    | Minko Lighting Co.,Ltd. |
| ANT Peak Gain   | 1.93dBi                 |

## 2. Antenna Photo:



Length:0.544mm  
Width:0.207mm



### 3. Test Equipment & Conditions

#### 3.1 Test instrument

VSWR is tested using Agilent E5071B connected to a hand mechanism, and the status is free space.

#### 3.2 Test environment and methods

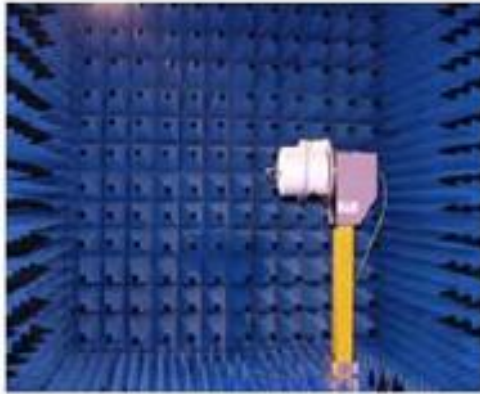
Dark room specifications: ETS-743

TD-SCDMA test equipment: StarPoint SP6010/Agilent 8960

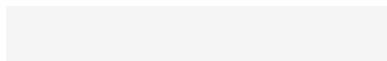
LTE-TDD/FDD-SCDMA test equipment: StarPoint SP8011/CMW500

WCDMA/GSM/CDMA test equipment: Agilent 8960

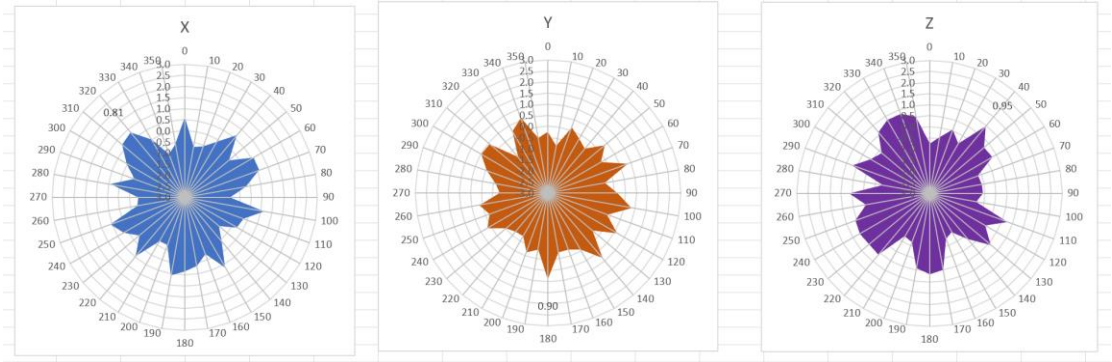
Passive efficiency testing equipment: Agilent Technologies E5071B



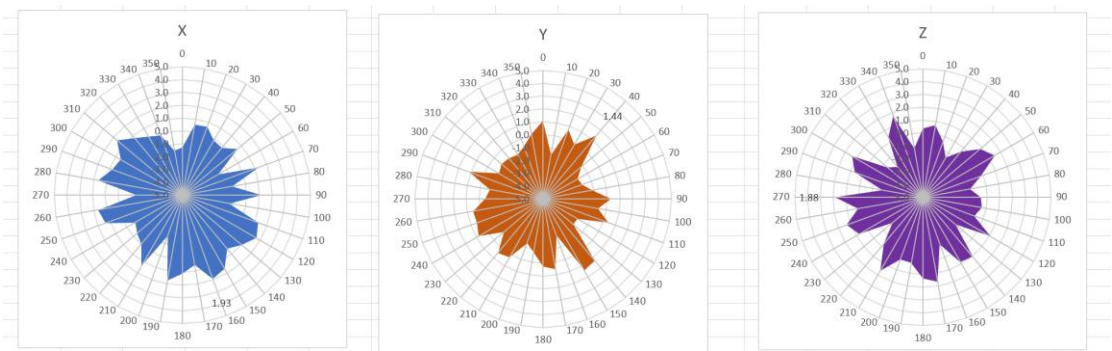
## 4 . Antenna Radiation Pattern



# 2402MHz



# 2440MHz



# 2480MHz

