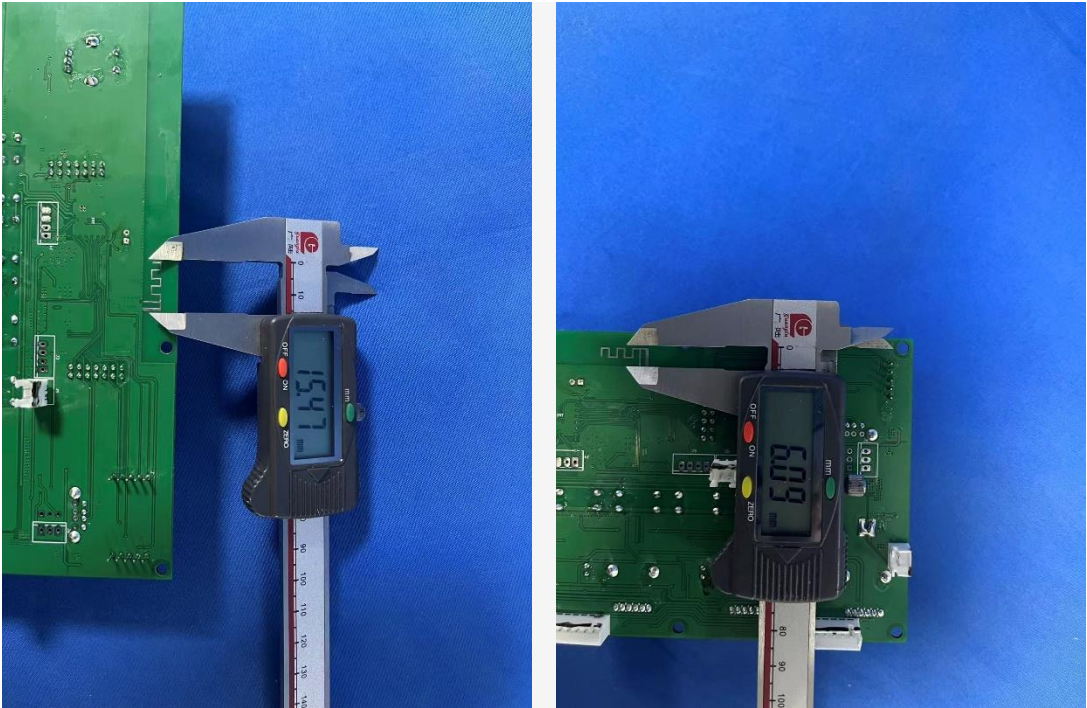


# 1. Antenna Description:

|                 |                                                                                                       |
|-----------------|-------------------------------------------------------------------------------------------------------|
| Antenna type    | PCB antenna                                                                                           |
| Model           | PCCS12                                                                                                |
| Frequency range | 2400-2500MHz                                                                                          |
| Manufacturer    | NINGBO ZS ACOUSTIC CO.,LTD                                                                            |
| Address         | ROOM 6, 5TH FLOOR, SIMING EAST RD NO 11, YINJIANG TOWN, HAISHU DISTRICT, NINGBO CITY, ZHEJIANG, China |
| ANT Peak Gain   | 0.86 dBi                                                                                              |

# 2. Antenna Photo:

Length: 15.47mm  
Width: 6.09mm



### 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

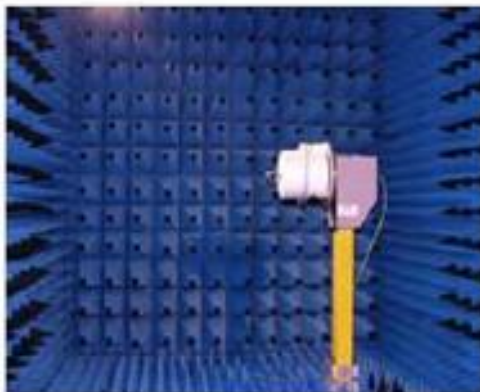
Dark room specifications: ETS-743

TD-SCDMA test equipment: StarPoint SP6010/Agilent 8960

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

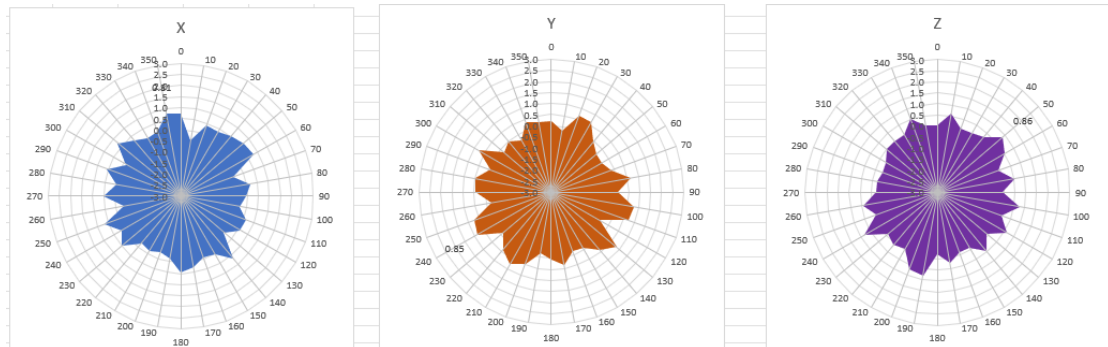
WCDMA/GSM/CDMA test equipment: Agilent 8960

Passive efficiency testing equipment: Agilent Technologies E5071B

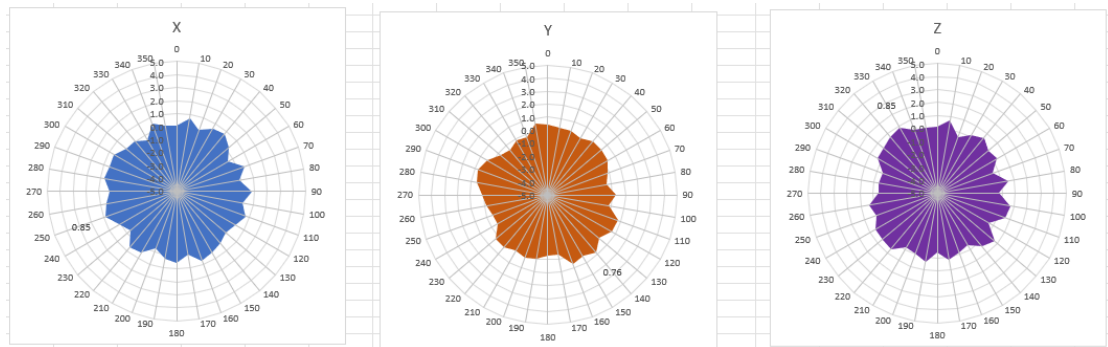


## 4 . Antenna Radiation Pattern

2400MHz



2450MHz



2500MHz

