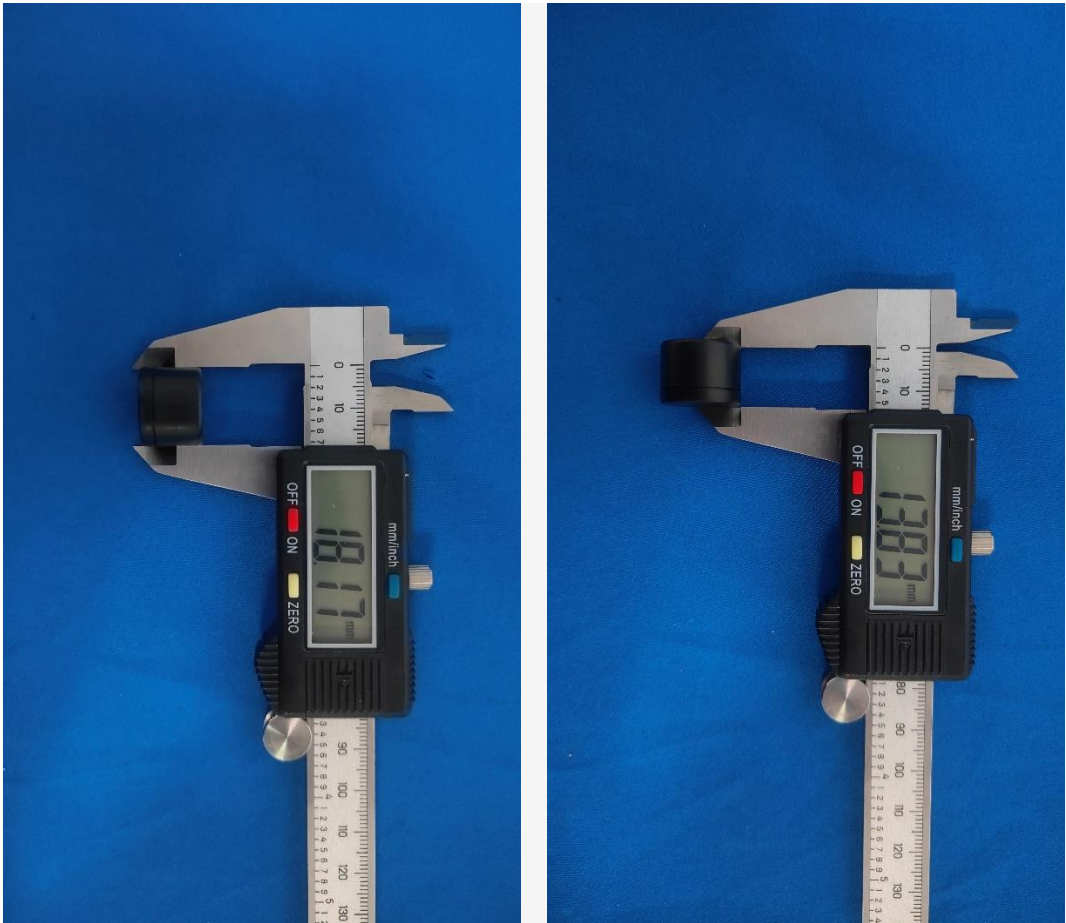


# 1. Antenna Description:

|                 |                                                                                                                                 |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------|
| Antenna type    | External antenna                                                                                                                |
| Model           | X121P5SH-80Std                                                                                                                  |
| Frequency range | 2400-2500MHz                                                                                                                    |
| Manufacturer    | Shenzhen CLT Electronics Co., Ltd                                                                                               |
| Address         | Room1001, CLT R&D Building, No.1Ganli 5th Road, Gankeng Community, Jihua Subdistrict, Longgang District, Shenzhen, 518112 China |
| ANT Peak Gain   | 3.0 dBi                                                                                                                         |

# 2. Antenna Photo:



### 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

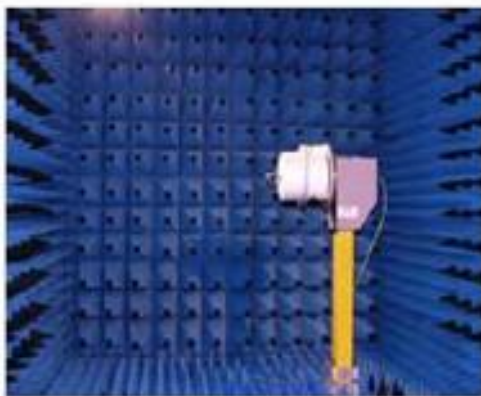
Dark room specifications: ETS-743

TD-SCDMA test equipment: StarPoint SP6010/Agilent 8960

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

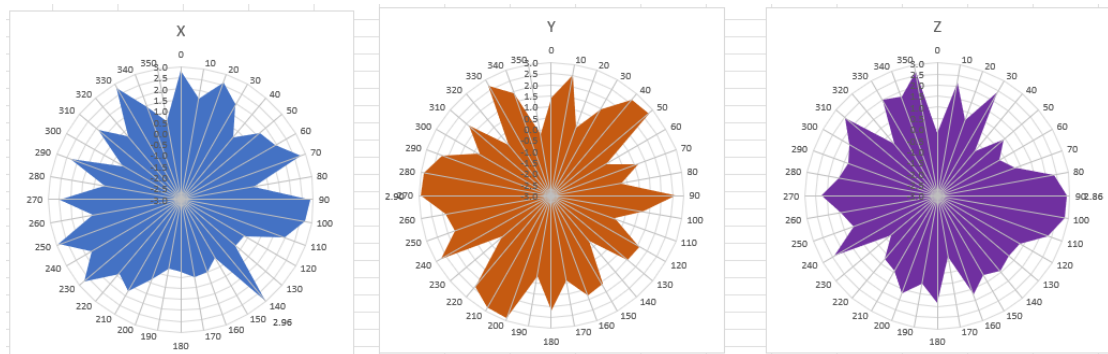
WCDMA/GSM/CDMA test equipment: Agilent 8960

Passive efficiency testing equipment: Agilent Technologies E5071B

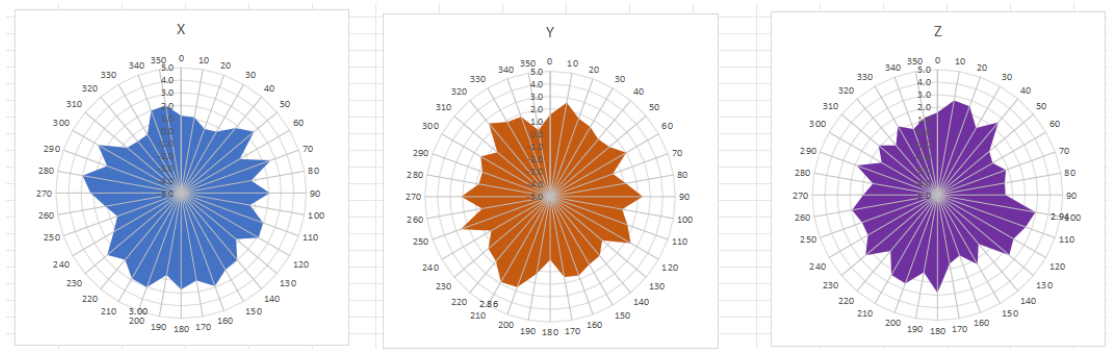


## 4 . Antenna Radiation Pattern

2400MHz



2450MHz



2500MHz

