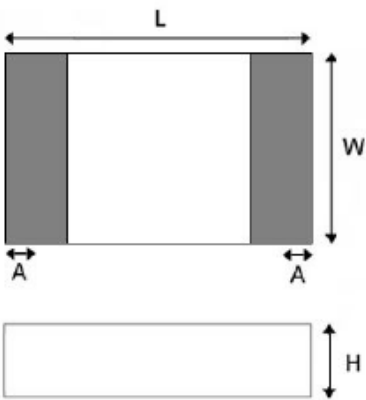


# 1. Antenna Description:

|                 |                                      |
|-----------------|--------------------------------------|
| Antenna type    | Chip antenna                         |
| Model           | CS-2450-16-C                         |
| Frequency range | 2400-2500MHz                         |
| Manufacturer    | Dongguanshitianchenkejiyouxiangongsi |
| ANT Peak Gain   | 2.36 dBi                             |

# 2. Antenna Photo:



| L       | W       | H       | A        |
|---------|---------|---------|----------|
| 1.6±0.2 | 0.8±0.2 | 0.4±0.1 | 0.2±0.07 |

# 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

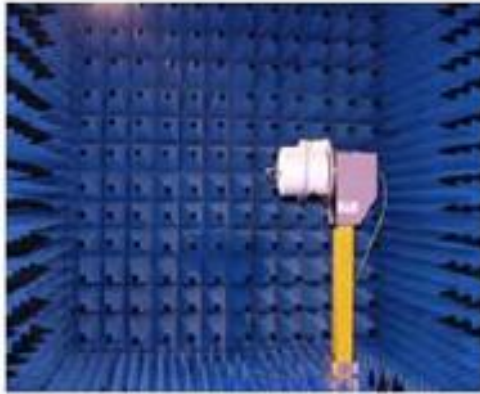
Dark room specifications: ETS-743

TD-SCDMA test equipment: StarPoint SP6010/Agilent 8960

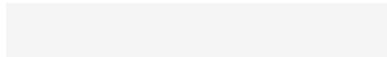
LTE-TDD/FDD-SCDMA test equipment: StarPoint SP8011/CMW500

WCDMA/GSM/CDMA test equipment: Agilent 8960

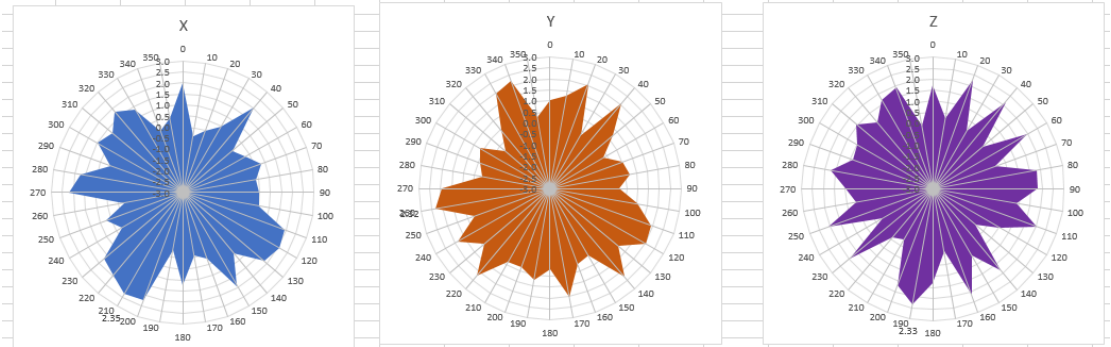
Passive efficiency testing equipment: Agilent Technologies E5071B



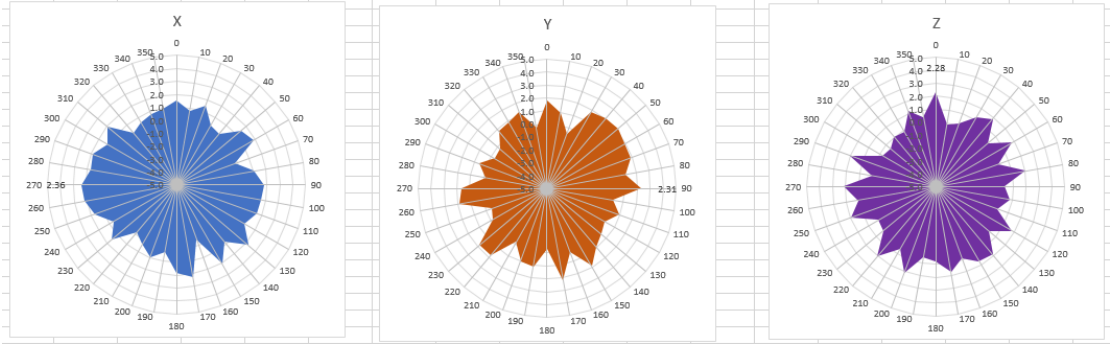
### 4 . Antenna Radiation Pattern



# 2400MHz



# 2450MHz



# 2500MHz

