

1. Antenna Description:

|                 |                                      |
|-----------------|--------------------------------------|
| Antenna type    | PCB antenna                          |
| Model           | Q1                                   |
| Frequency range | 2400-2500MHz                         |
| Manufacturer    | Shenzhen QianYao Electronic Co., Ltd |
| ANT Peak Gain   | -0.68dBi                             |
| Length:         | 9mm                                  |
| Width:          | 6.0mm                                |

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

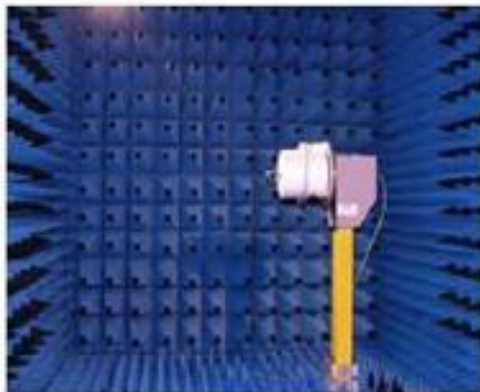
Dark room specifications: ETS-743

TD-SCDMA test equipment: StarPoint SP6010/Agilent 8960

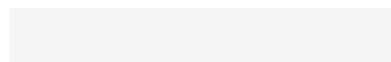
LTE-TDD/FDD-SCDMA test equipment: StarPoint SP8011/CMW500

WCDMA/GSM/CDMA test equipment: Agilent 8960

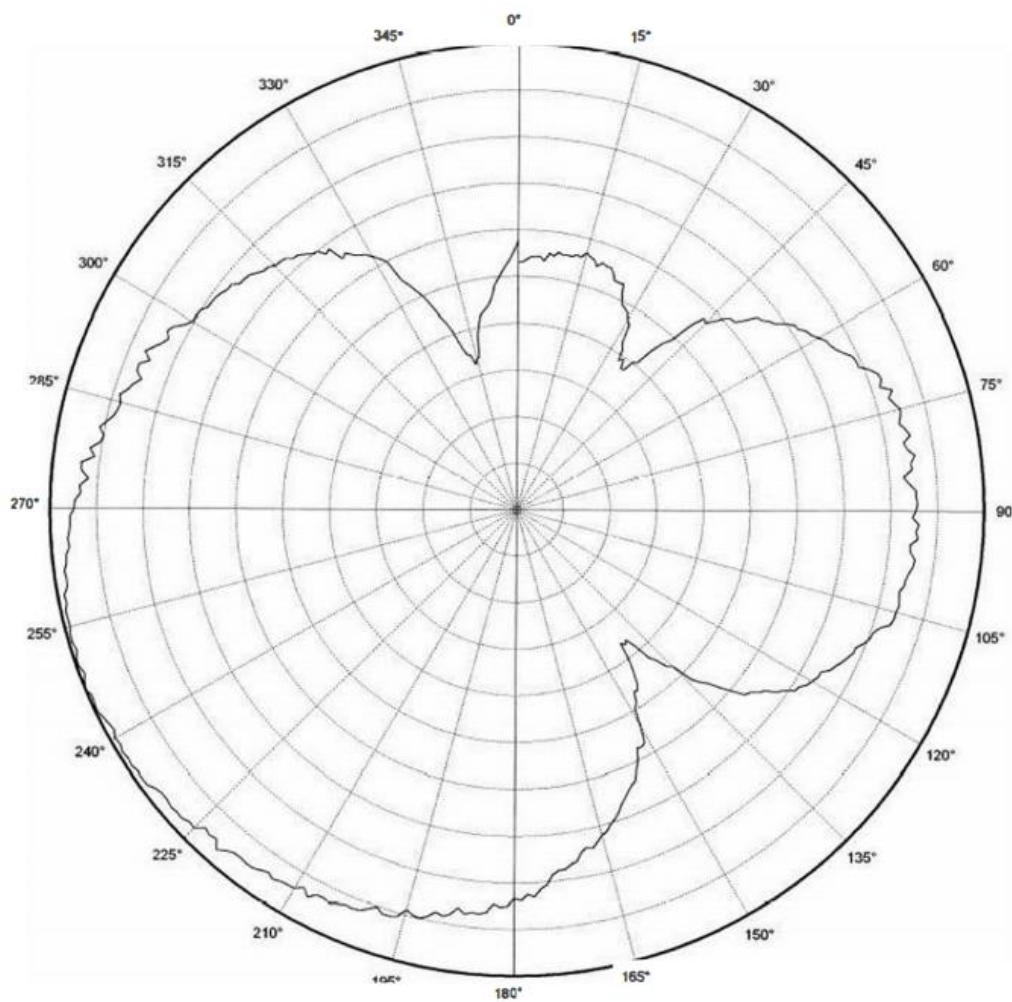
Passive efficiency testing equipment: Agilent Technologies E5071B



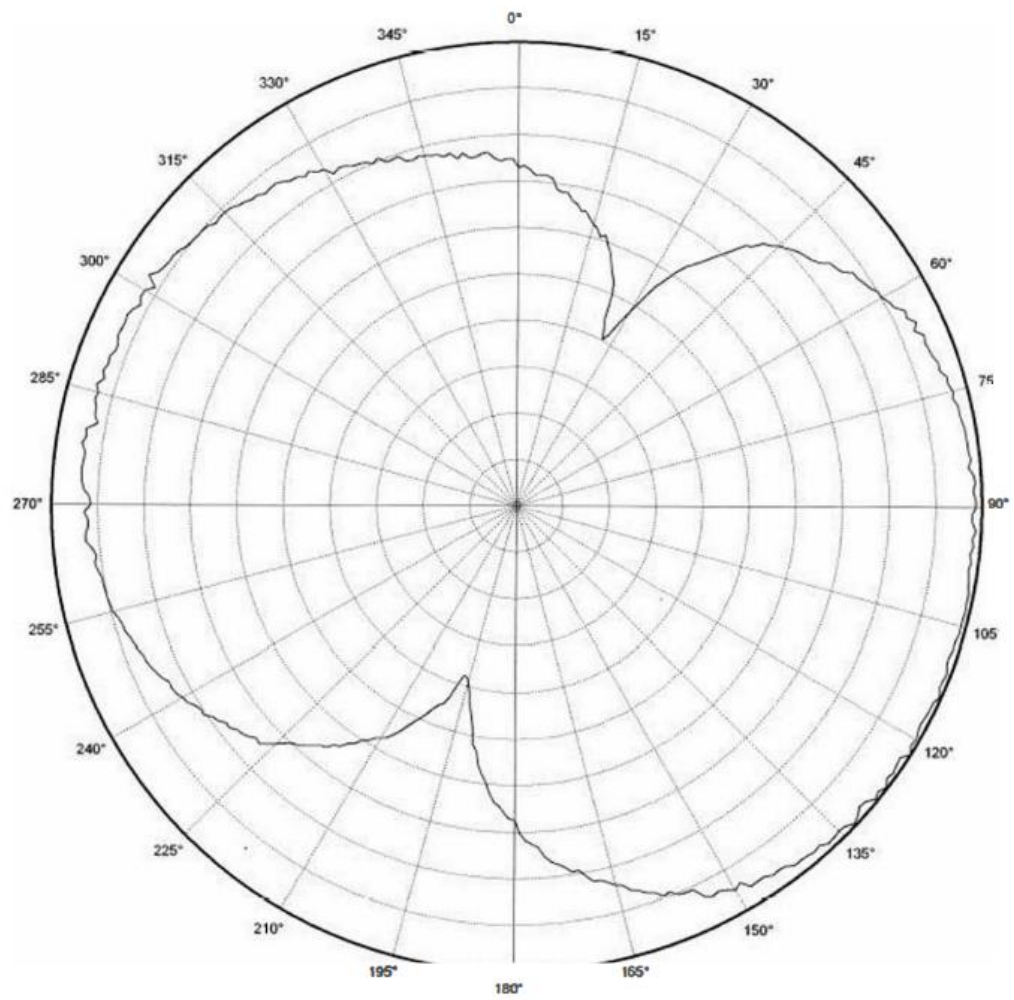
### 4. Antenna Radiation Pattern



2400MHz



2450MHz



2500MHz

