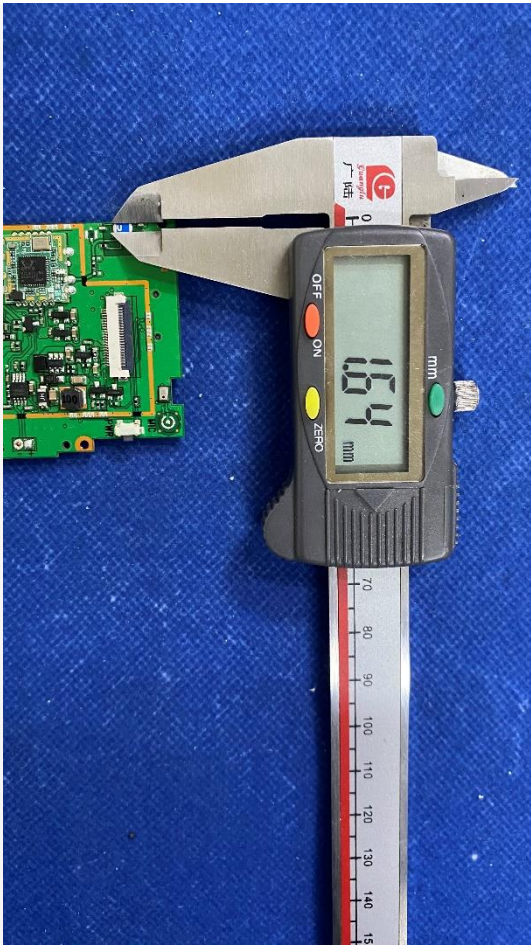


1. Antenna Description:

Antenna type	Ceramic antenna
Model	X7
Frequency range	5180-5240MHz, 5745-5825MHz
Manufacturer	Shenzhen Fengchu Technology Co., Ltd.
Address	Room 5006, Tower D, Building 2, Qiancheng Binhai Garden, No. 3 Haicheng Road, Mabu, Xixiang,Bao An District, Shenzhen City, China
ANT Peak Gain	5180-5240MHz: 1.52dBi 5745-5825MHz: 1.66dBi

2. Antenna Photo:

Length: 3.51mm
Width: 1.64mm



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

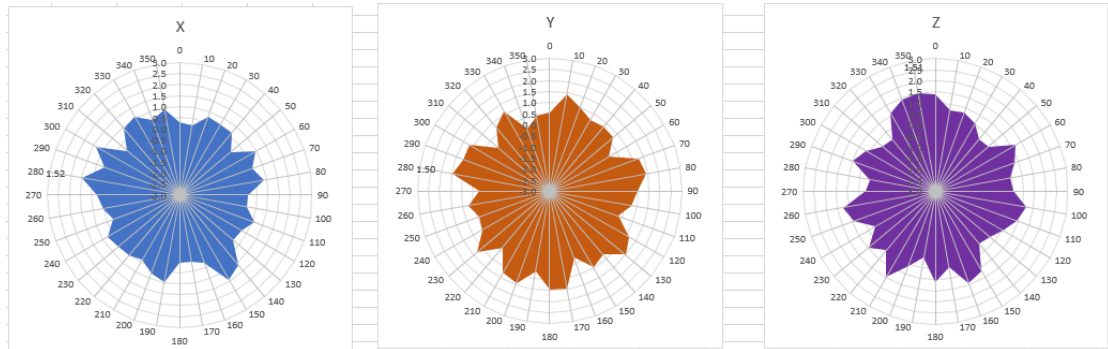
WCDMA/GSM/CDMA test equipment: Agilent 8960

Passive efficiency testing equipment: Agilent Technologies E5071B

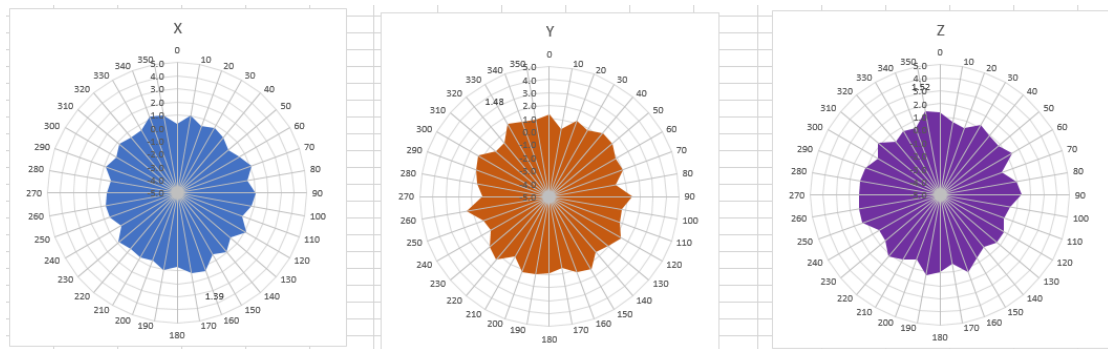


4 . Antenna Radiation Pattern

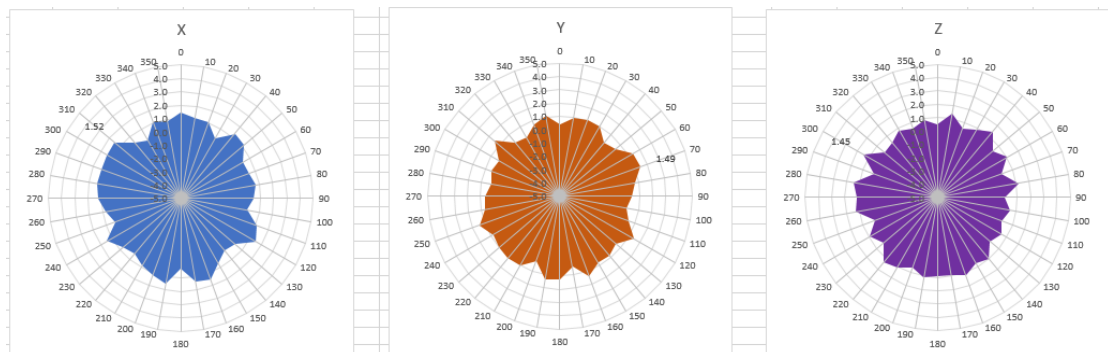
5180MHz



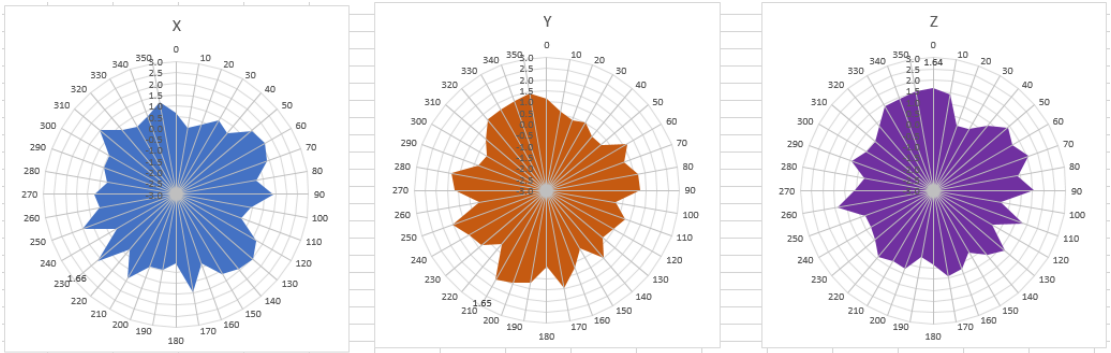
5220MHz



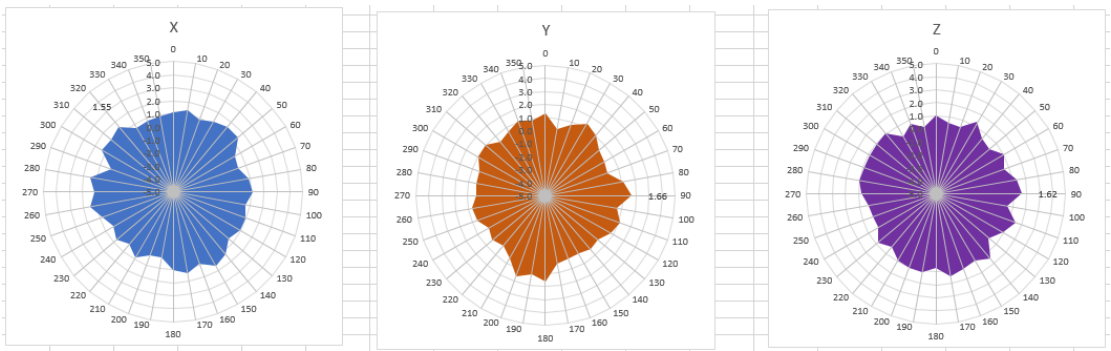
5240MHz



5745MHz



5785MHz



5825MHz

