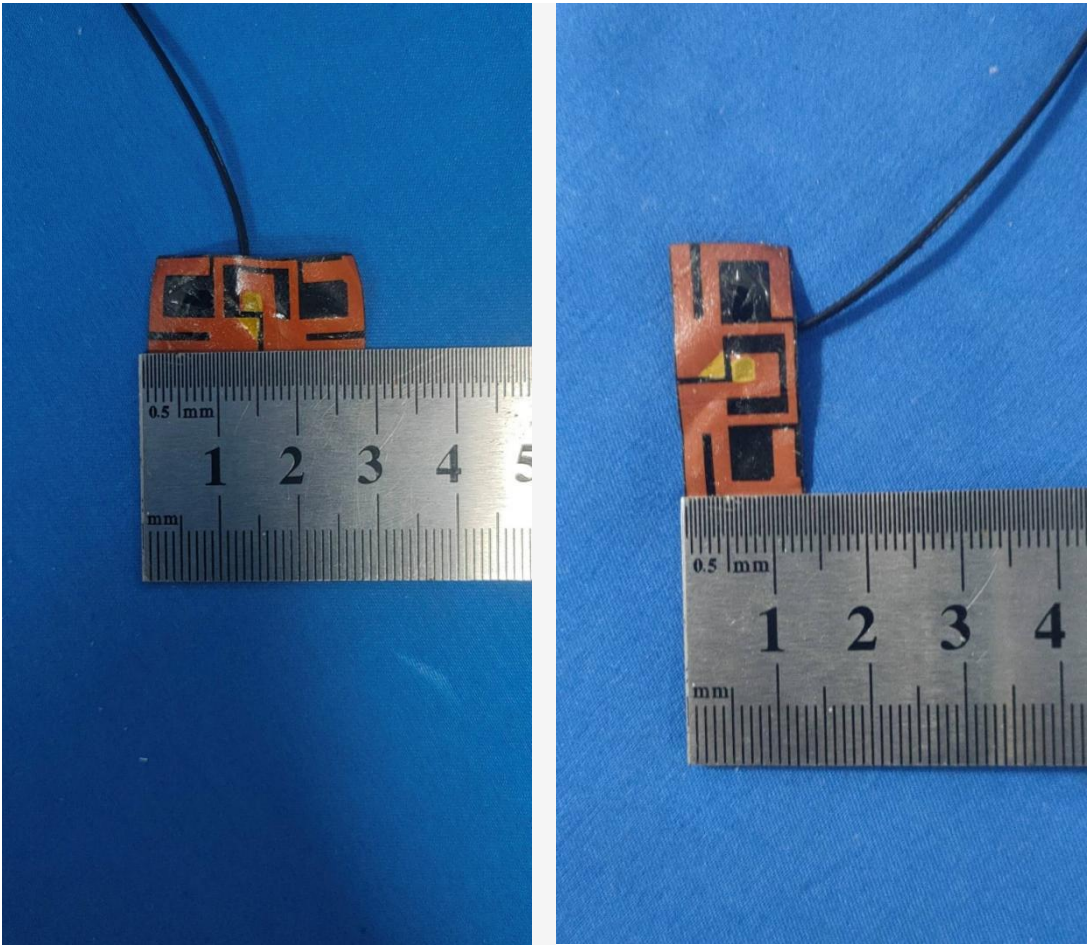


1. Antenna Description:

Antenna type	PIFA Antenna
Model	X200
Frequency range	2400-2500MHz, 5180MHz-5240MHz
Manufacturer	Shenzhen zhengqing Technology Co., Ltd.
Address	807, Block A, Shahe Century Holiday Plaza, No. 9030, Shennan Avenue, Xinghe Street Community, Shahe Street, Nanshan District, Shenzhen, China
ANT Peak Gain	2400-2500MHz: 1.10 dBi 5180MHz-5240MHz: 1.03 dBi

2. Antenna Photo:

Length:28.5mm
Width:13.0mm



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

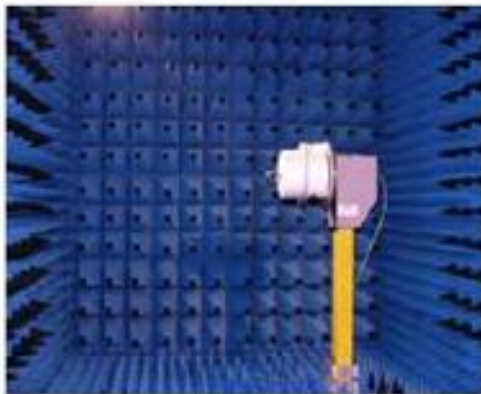
Dark room specifications: ETS-743

TD-SCDMA test equipment: StarPoint SP6010/Agilent 8960

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

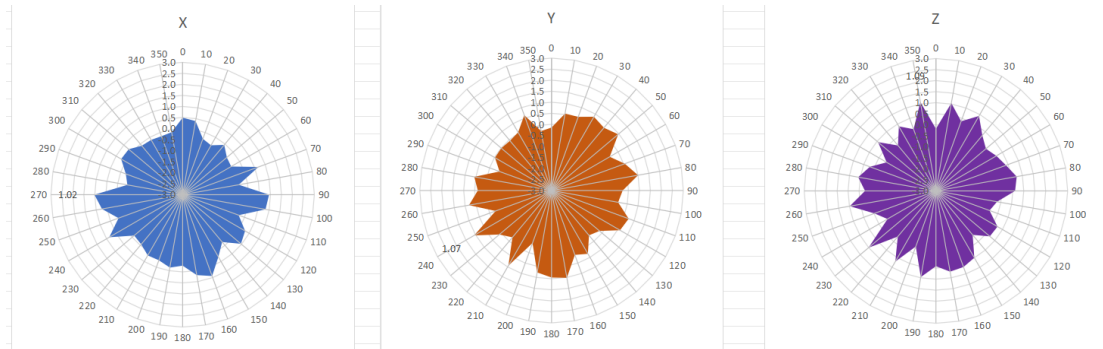
WCDMA/GSM/CDMA test equipment: Agilent 8960

Passive efficiency testing equipment: Agilent Technologies E5071B

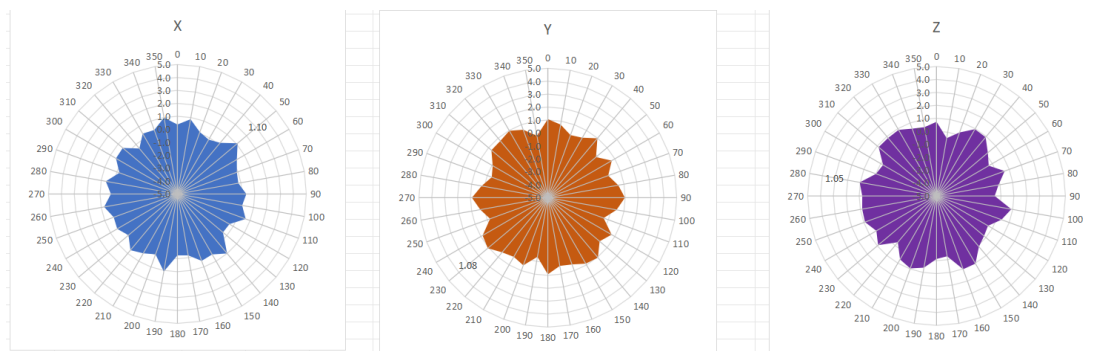


4 . Antenna Radiation Pattern

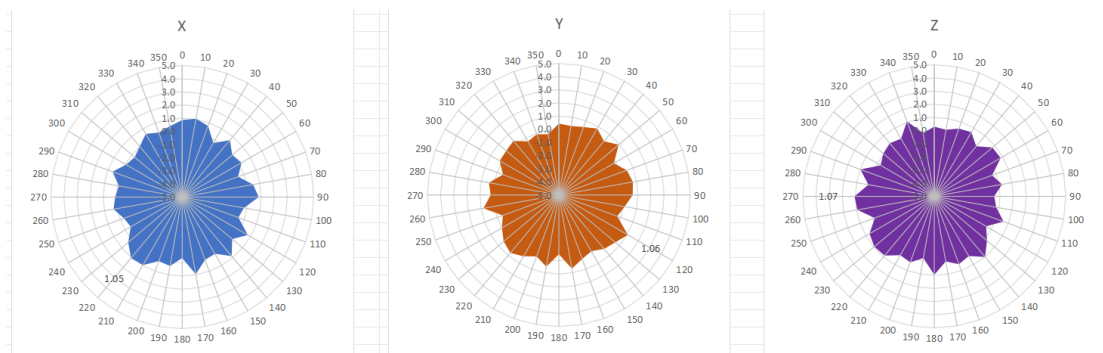
2400MHz



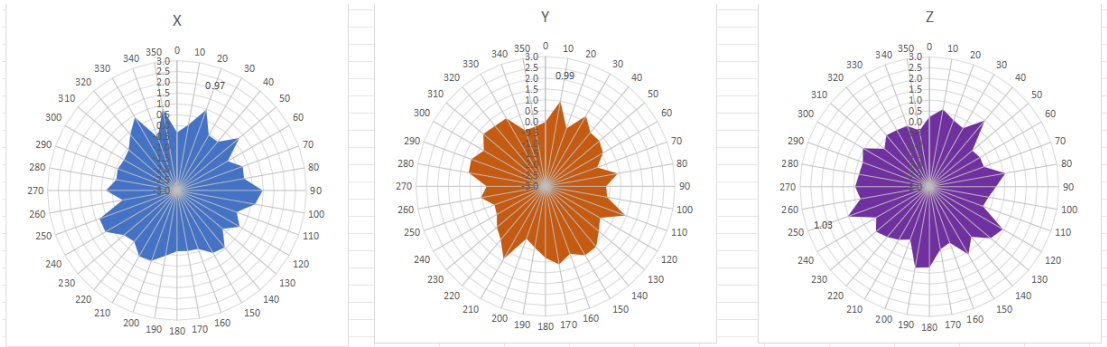
2450MHz



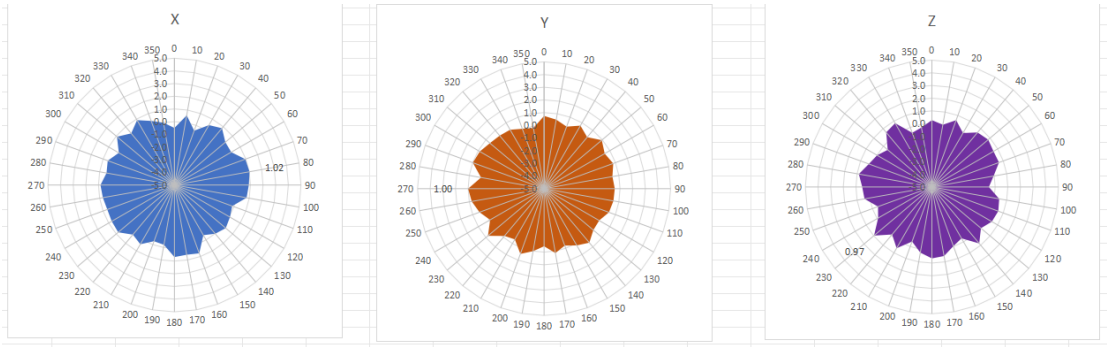
2500MHz



5180MHz



5220MHz



5240MHz

