

1. Antenna Description:

Antenna type	PIFA antenna
Model	B502
Manufacturer	Shenzhen Tuqiang IoT Technology Co., Ltd.
Address	Room 2405, Unit 1, Building 1,Jinxu Shidai Square,Xinniu Community, Minzhi Subdistrict, Longhua District, Shenzhen City,Guangdong Province, China
ANT Peak Gain	PCS1900(1850.2MHz-1909.8MHz): 0.8 dBi E-UTRA Band 2(1850 MHz -1910MHz): 0.8 dBi E-UTRA Band 4(1710 MHz -1755MHz): 3.12 dBi E-UTRA Band 5(824 MHz -849MHz): 0.8dBi E-UTRA Band 7(2500 MHz -2570MHz): 1.6dBi E-UTRA Band 66(1710 MHz -1780MHz): 3.12 dBi

2. Antenna Photo:

Length: 28.10mm
Width: 20.72mm



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

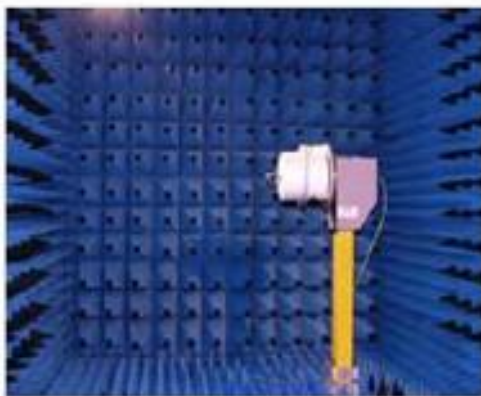
Dark room specifications: ETS-743

TD-SCDMA test equipment: StarPoint SP6010/Agilent 8960

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

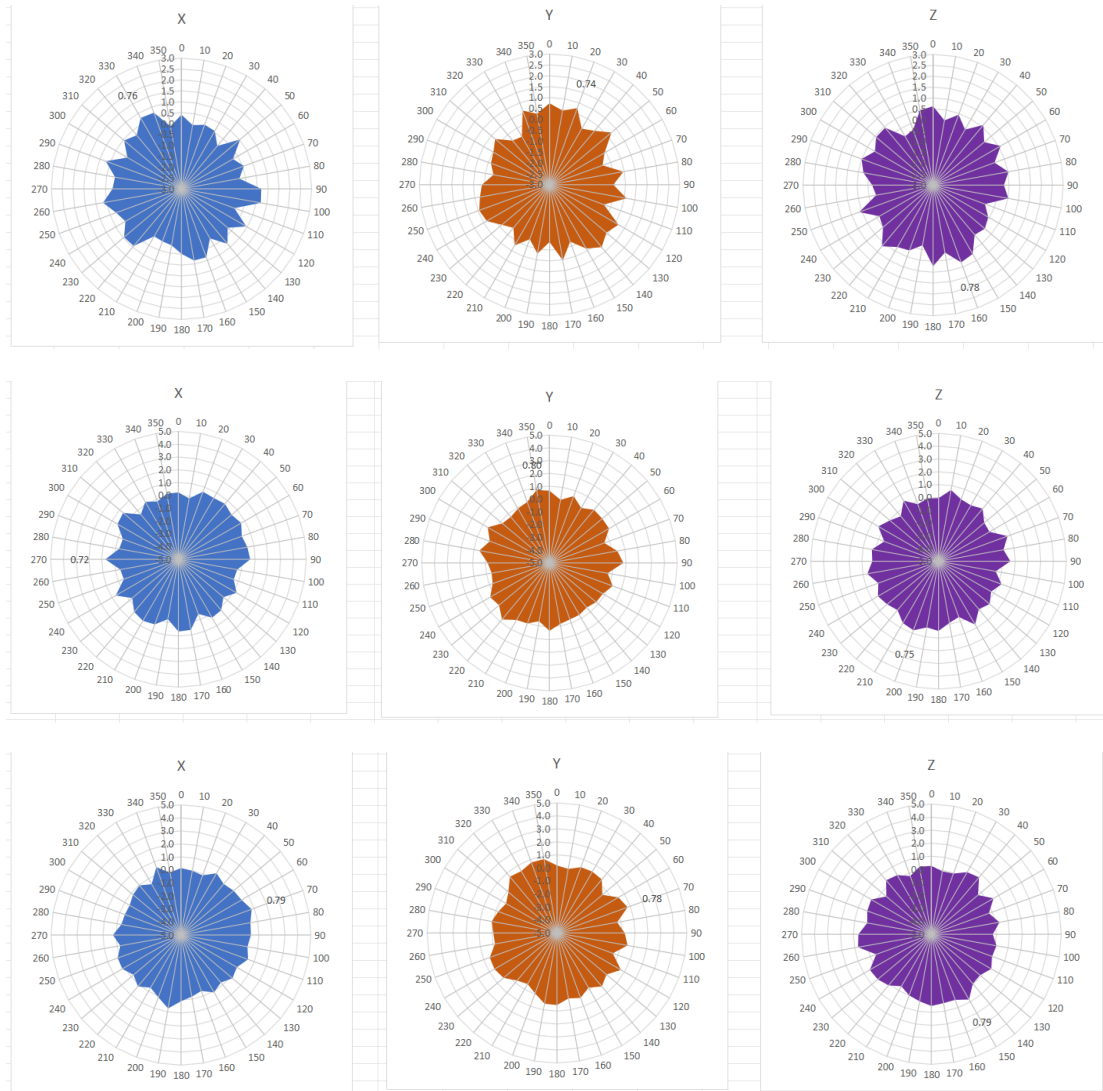
WCDMA/GSM/CDMA test equipment: Agilent 8960

Passive efficiency testing equipment: Agilent Technologies E5071B

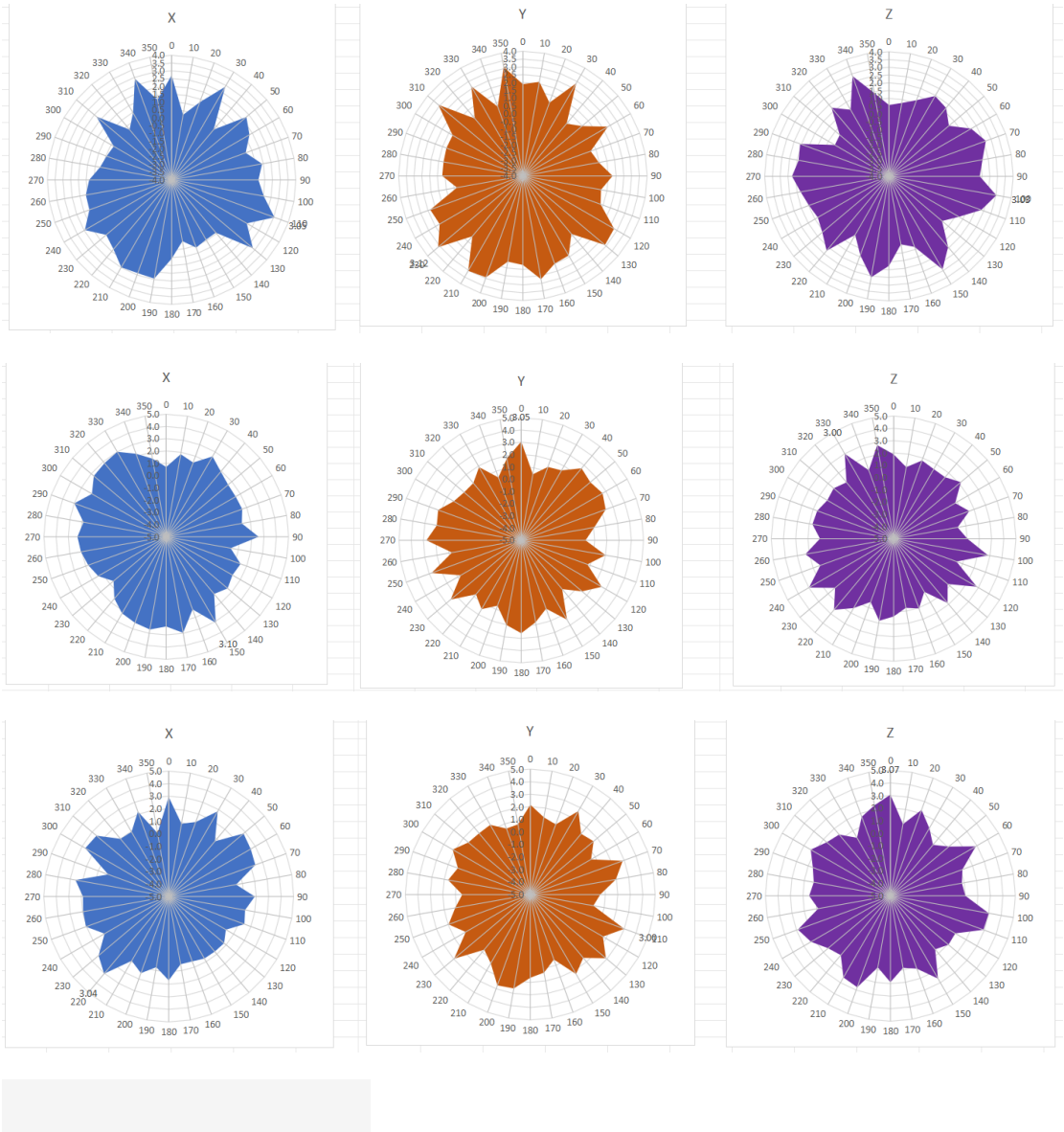


4 . Antenna Radiation Pattern

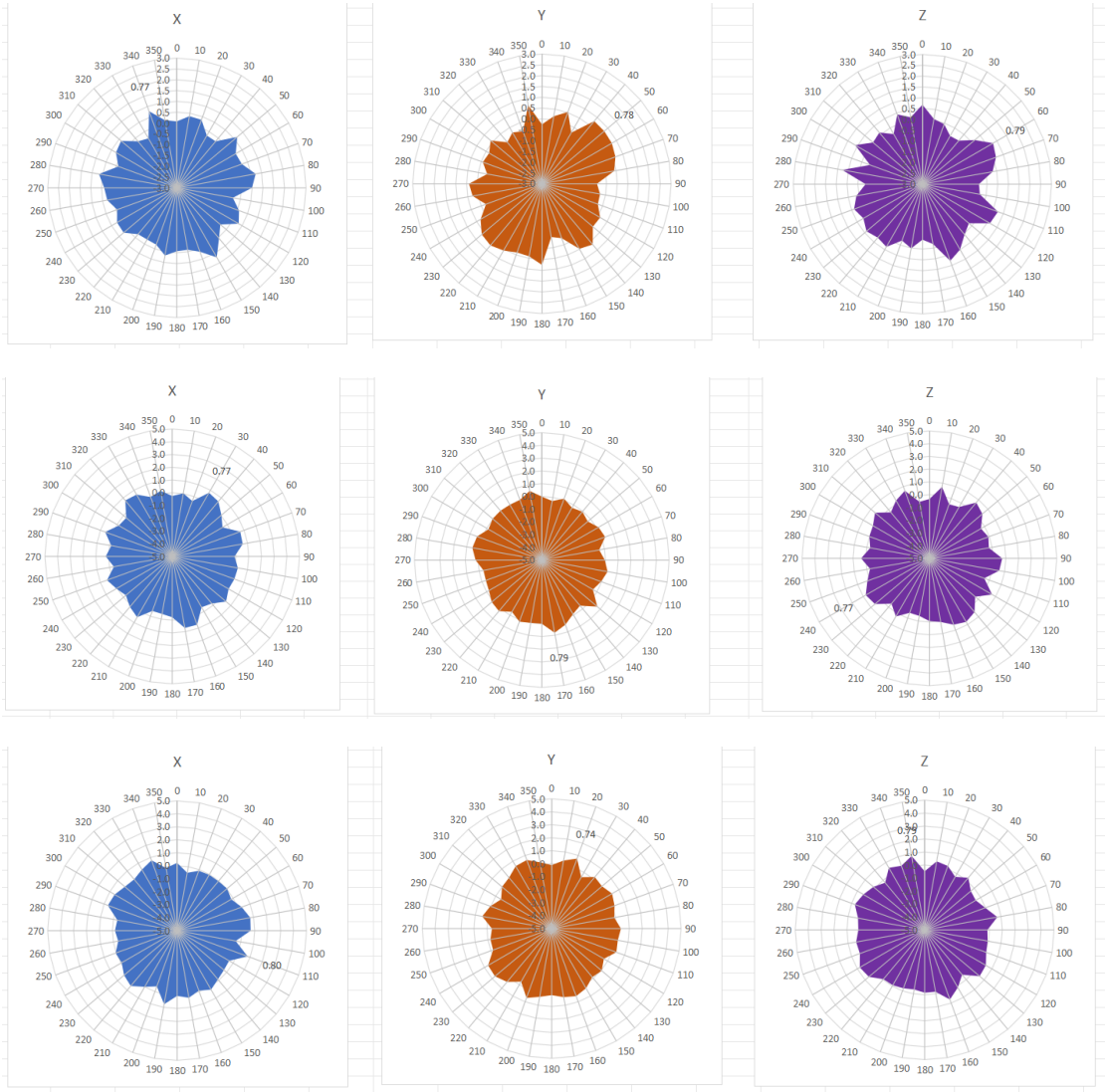
PCS1900(1850.2MHz-1909.8MHz)/E-UTRA Band 2(1850 MHz -1910MHz): 0.8dBi



E-UTRA Band 4(1710 MHz -1755MHz)/E-UTRA Band 66(1710 MHz -1780MHz): 3.12 dBi



E-UTRA Band 5(824 MHz -849MHz): 0.8dBi



E-UTRA Band 7(2500 MHz -2570MHz): 1.6dB

