

1. Antenna Description:

Antenna type	PIFA Antenna
Model	P156AHBW
Frequency range	2400-2500MHz, 5180-5240MHz, 5745-5825MHz
Manufacturer	Qu Workshop(Shenzhen) Technology Co., Ltd
Address	Room 301, 401, 402, 403, 404, No. 1119 Guanguang Road, Guanlan Street, Longhua District, Shenzhen City, Guangdong Province, China
ANT Peak Gain	2400-2500MHz: 1.18 dBi 5180-5240MHz: 0.92 dBi 5745-5825MHz: 0.98 dBi

2. Antenna Photo:

Length:47.36mm
Width:7.61mm



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

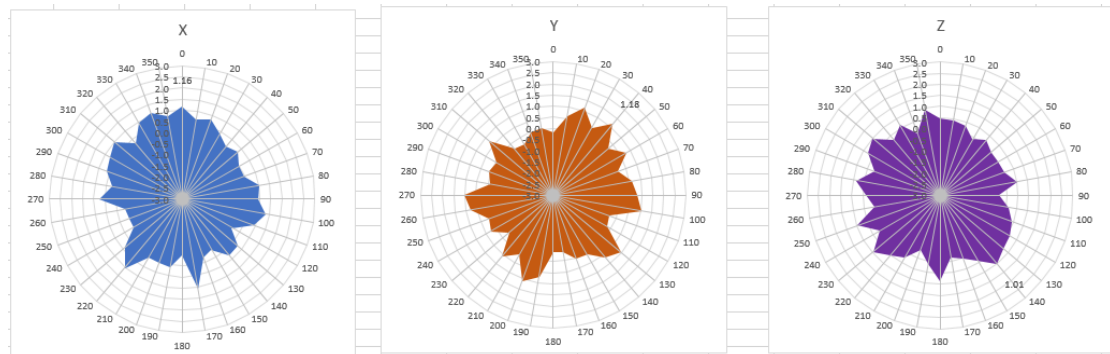
WCDMA/GSM/CDMA test equipment: Agilent 8960

Passive efficiency testing equipment: Agilent Technologies E5071B

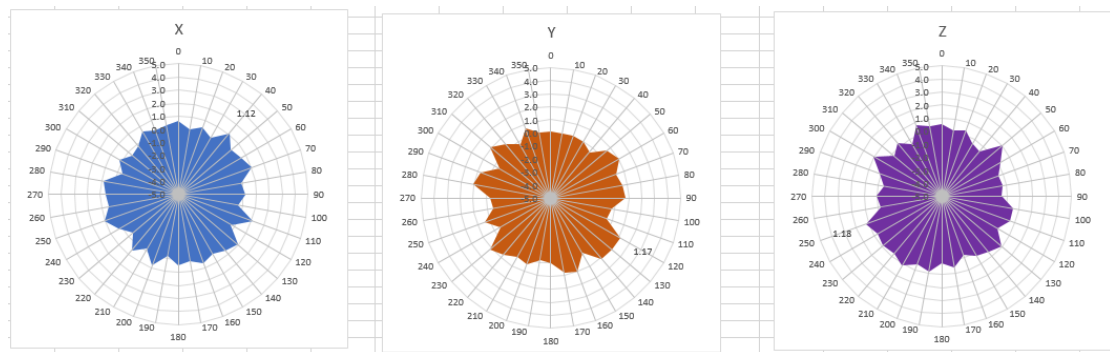


4 . Antenna Radiation Pattern

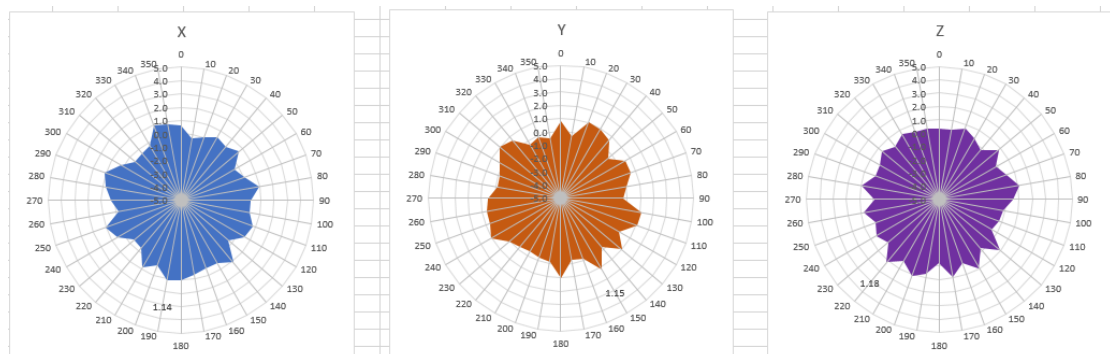
2400MHz



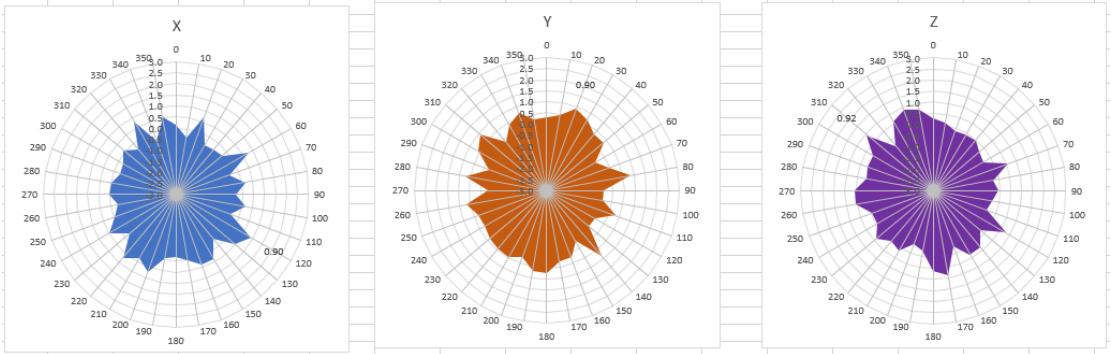
2450MHz



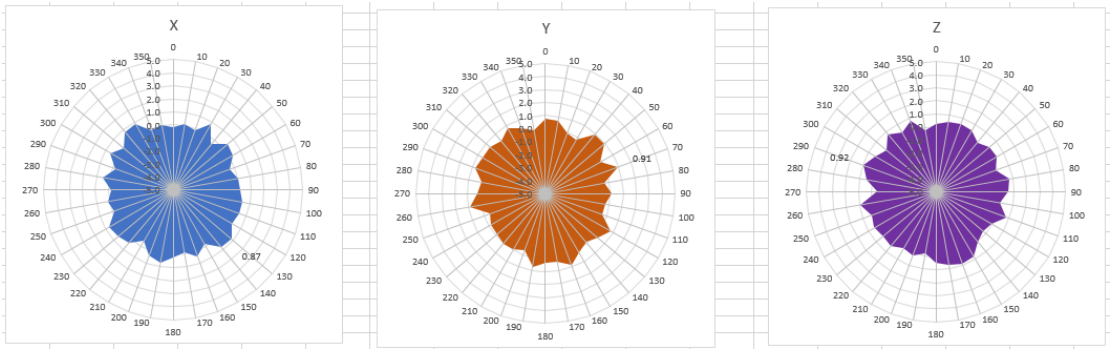
2500MHz



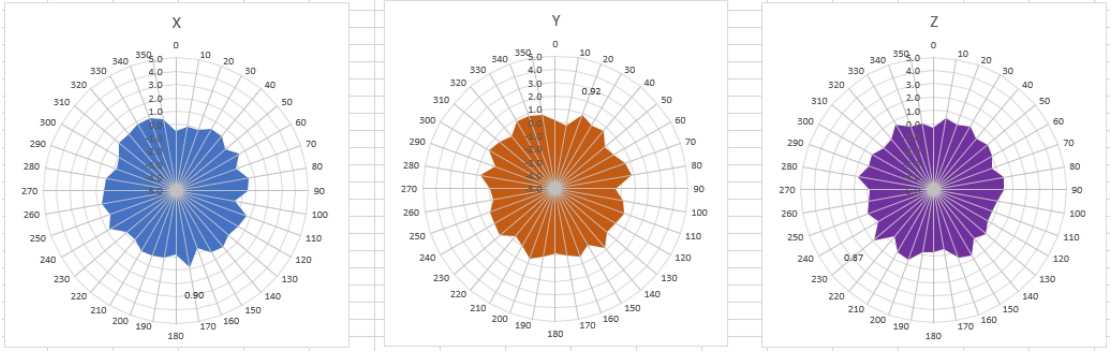
5180MHz



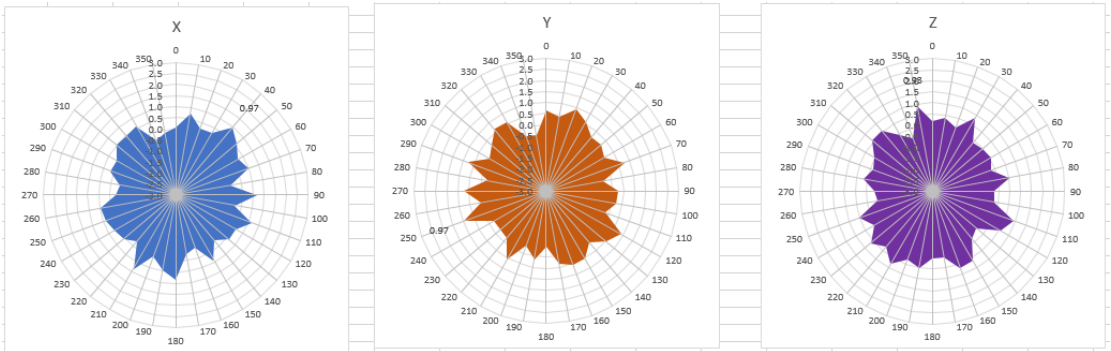
5220MHz



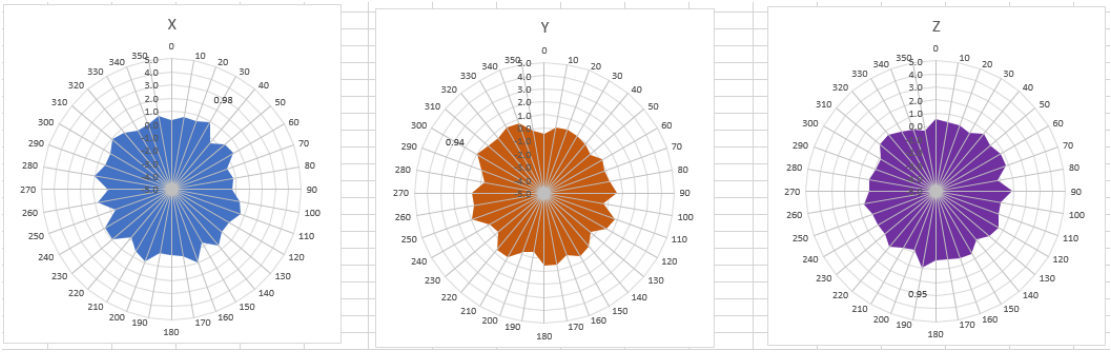
5240MHz



5745MHz



5785MHz



5825MHz

