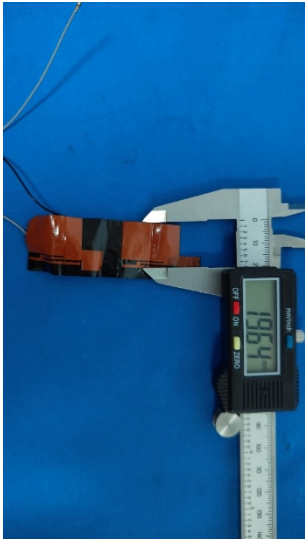


1. Antenna Description:

Antenna type	FPC antenna
Model	TLN001-MAIN
Frequency range	2402-2480MHz, 5180-5240MHz, 5745-5825MHz
Manufacturer	Guangzhou Shangke Information Technology Co., Ltd
Address	Room 1205-1212, R&F To-Win Building, No.30 Huaxia Road, Tianhe District, Guangzhou, Guangdong Province, 510000 China
ANT Peak Gain	1.33 dBi for 2402-2480MHz 1.75 dBi for 5180-5240MHz 1.45 dBi for 5745-5825MHz

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

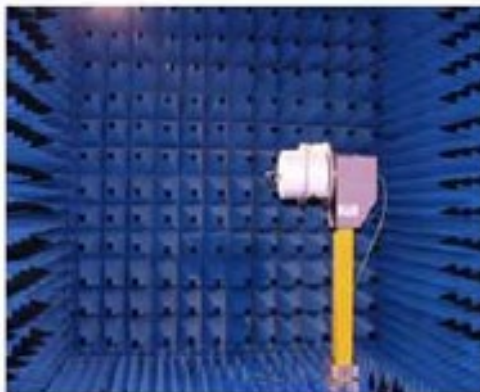
Dark room specifications: ETS-743

TD-SCDMA test equipment: StarPoint SP6010/Agilent 8960

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

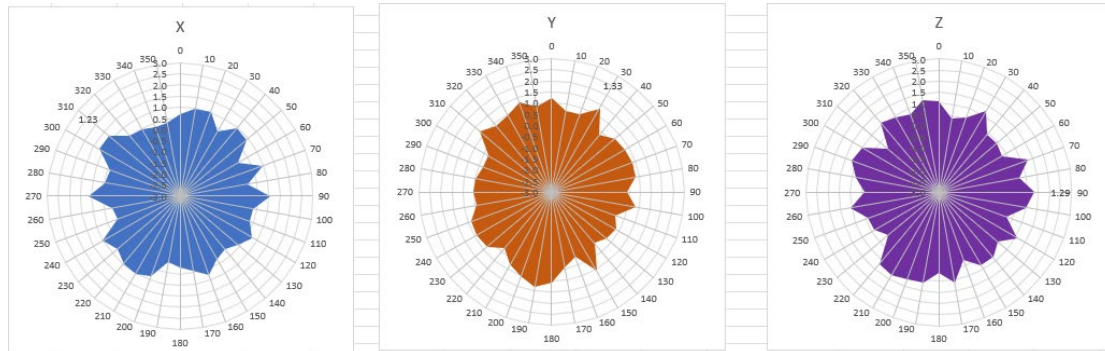
WCDMA/GSM/CDMA test equipment: Agilent 8960

Passive efficiency testing equipment: Agilent Technologies E5071B

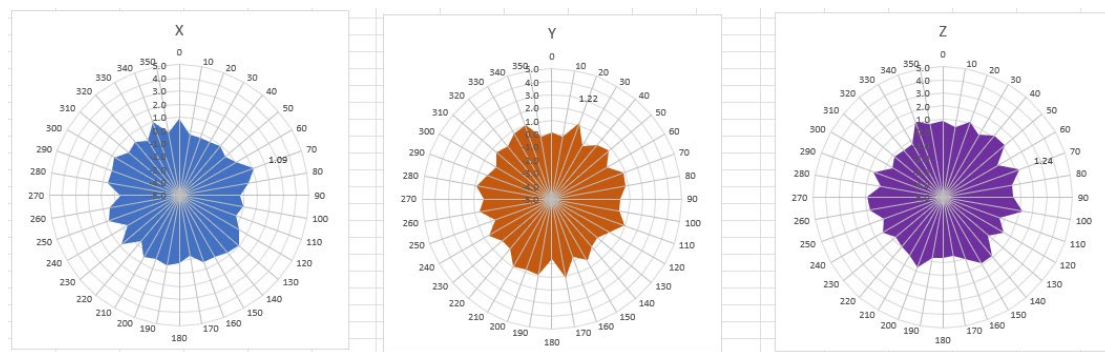


4 . Antenna Radiation Pattern

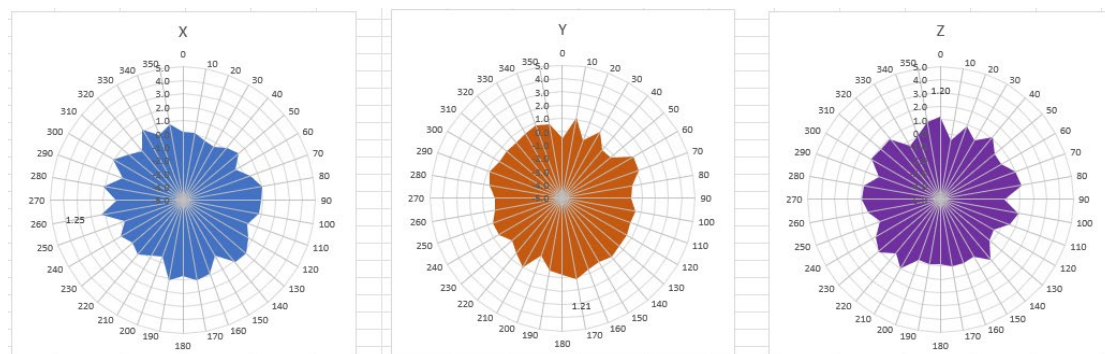
2402MHz



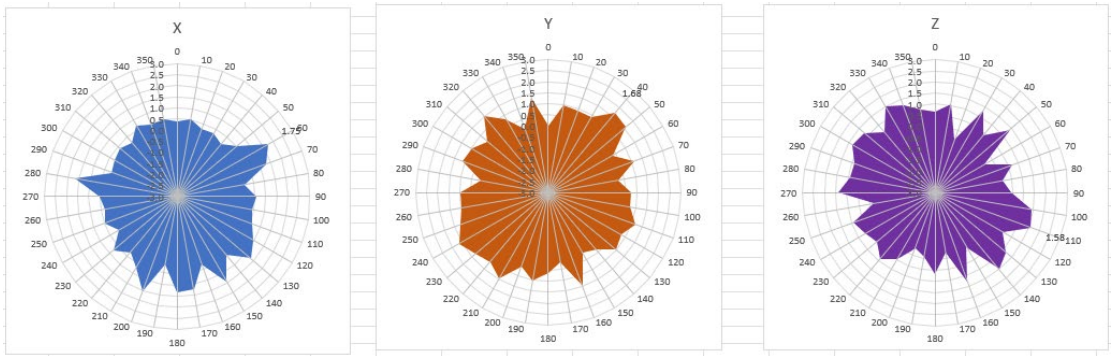
2440MHz



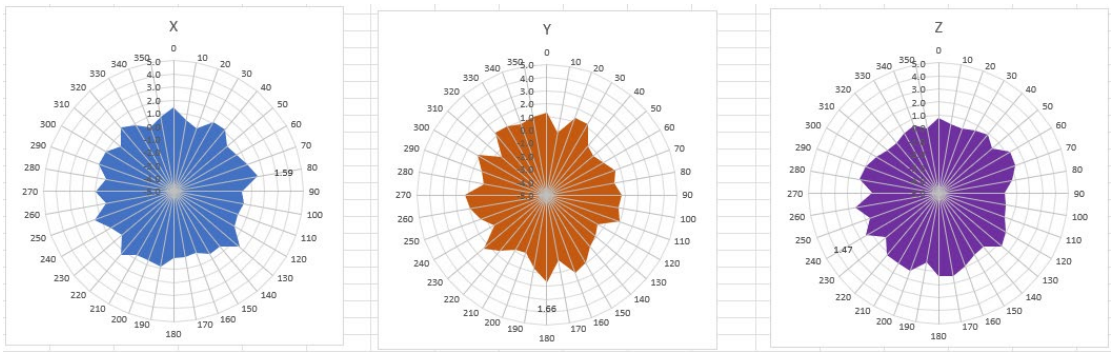
2580MHz



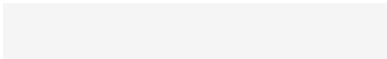
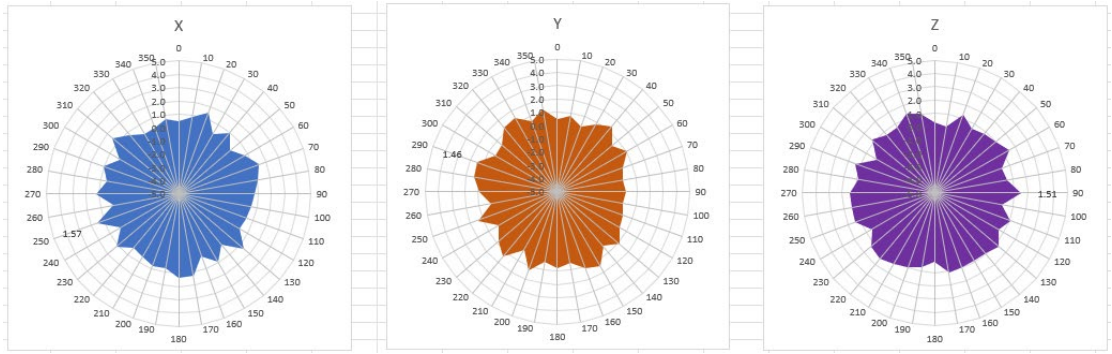
5180MHz



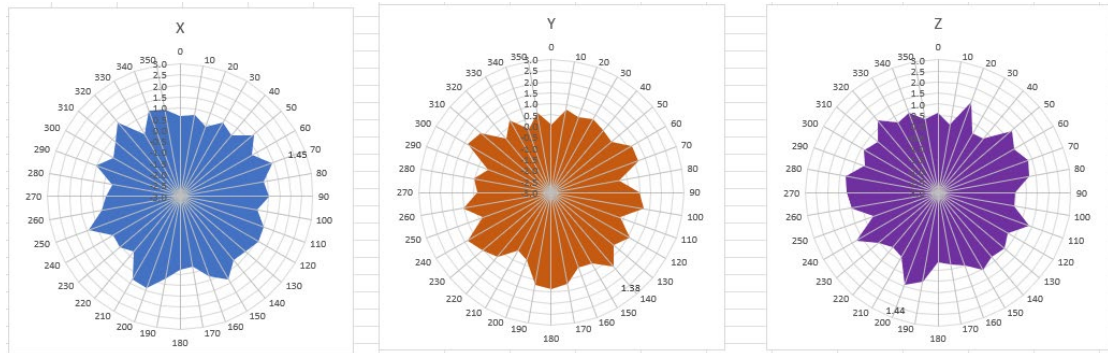
5220MHz



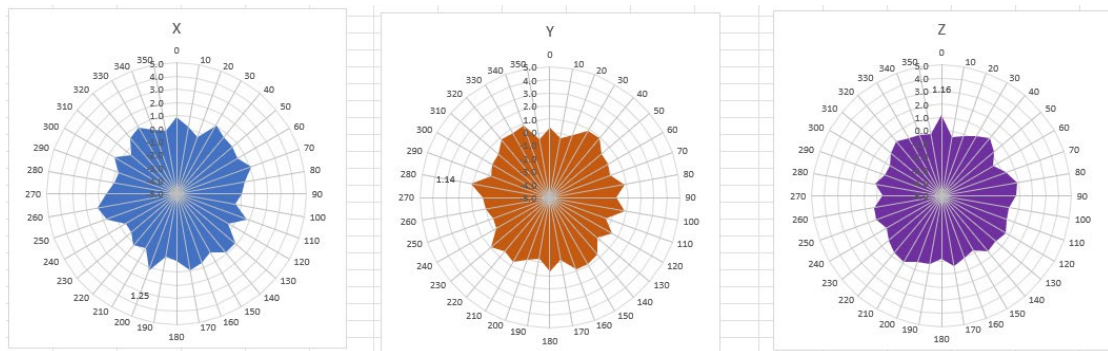
5220MHz



5745MHz



5785MHz



5825MHz

