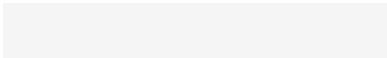
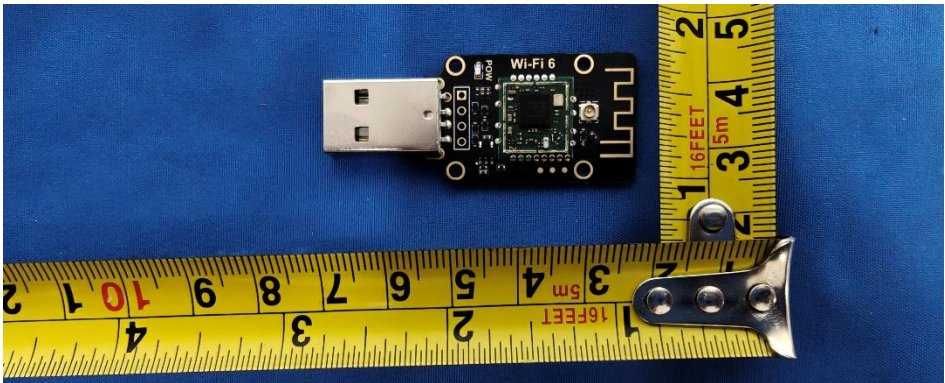
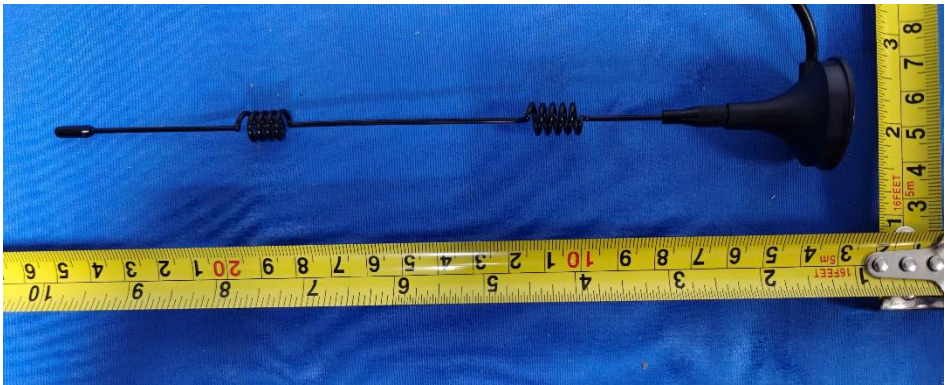


1. Antenna Description:

Antenna type	PCB Antenna+External Antenna
Model	QS-669CRSW(G)-US
Frequency range	2402MHz to 2480MHz, 5180 to 5240MHz, 5745 to 5825MHz
Manufacturer	Wuhan Qinggou Intelligent Technology Co., Ltd.
Address	No. 64, Jiukang Avenue, Caidian Economic Development Zone, Caidian District Wuhan City, Hubei Province, 430120 China
ANT Peak Gain	2.00 dBi for 2400-2500MHz 2.08 dBi for 5180-5240MHz 2.12 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

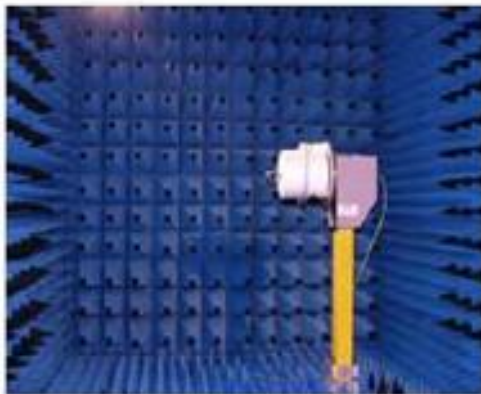
Dark room specifications: ETS-743

TD-SCDMA test equipment: StarPoint SP6010/Agilent 8960

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

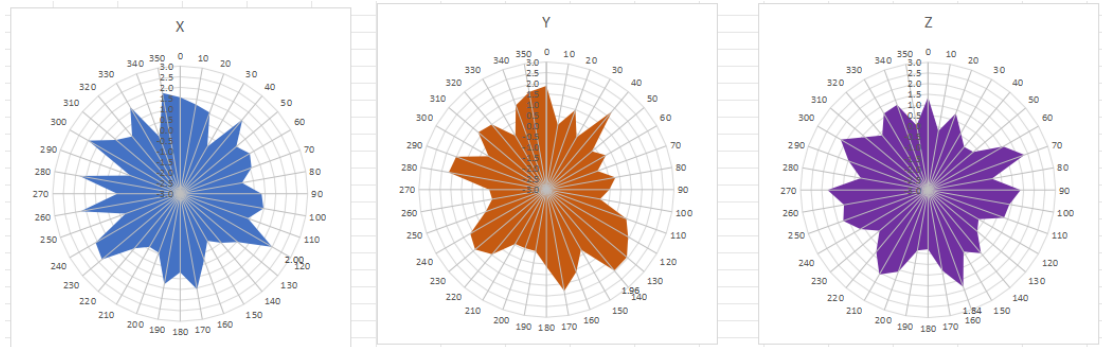
WCDMA/GSM/CDMA test equipment: Agilent 8960

Passive efficiency testing equipment: Agilent Technologies E5071B

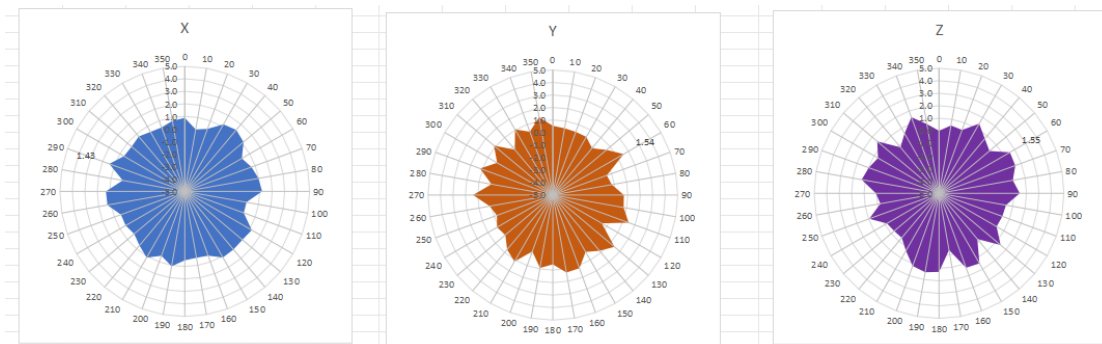


4 . Antenna Radiation Pattern

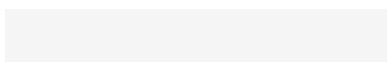
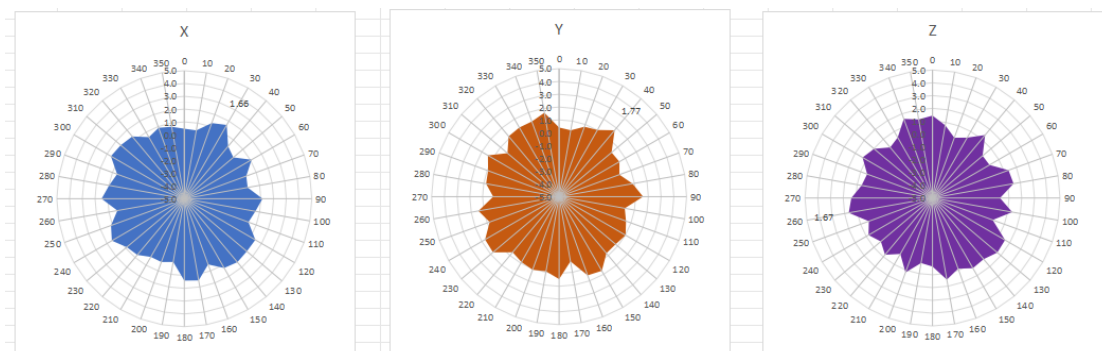
2400MHz



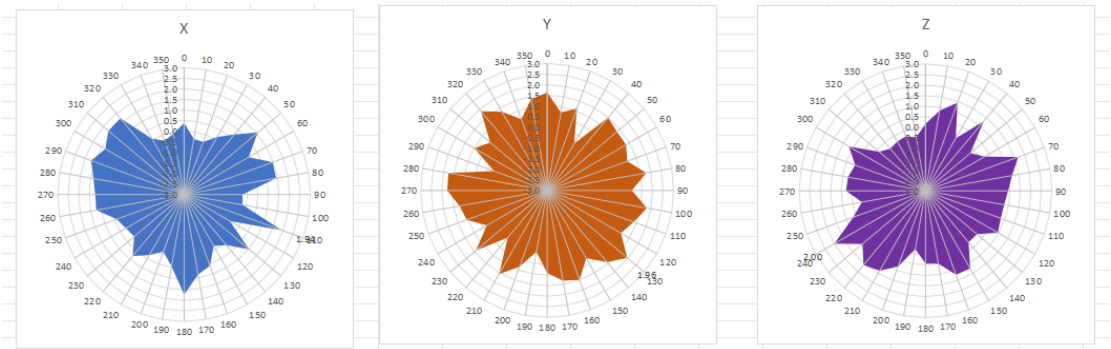
2450MHz



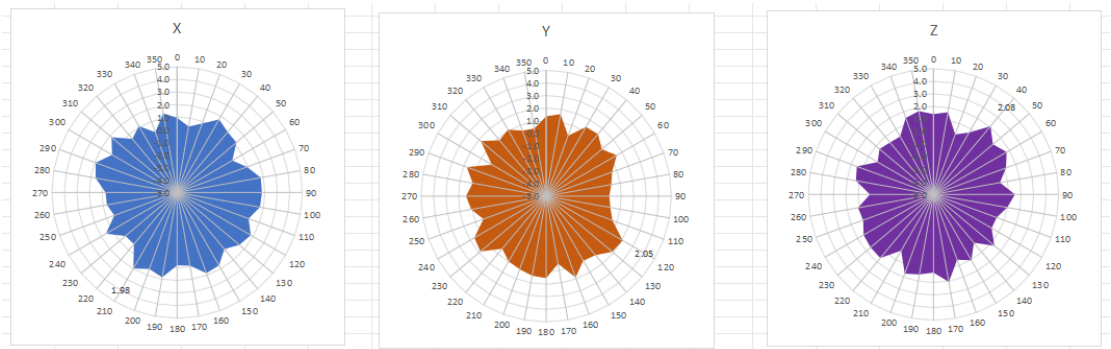
2500MHz



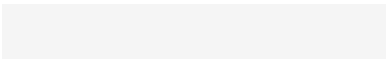
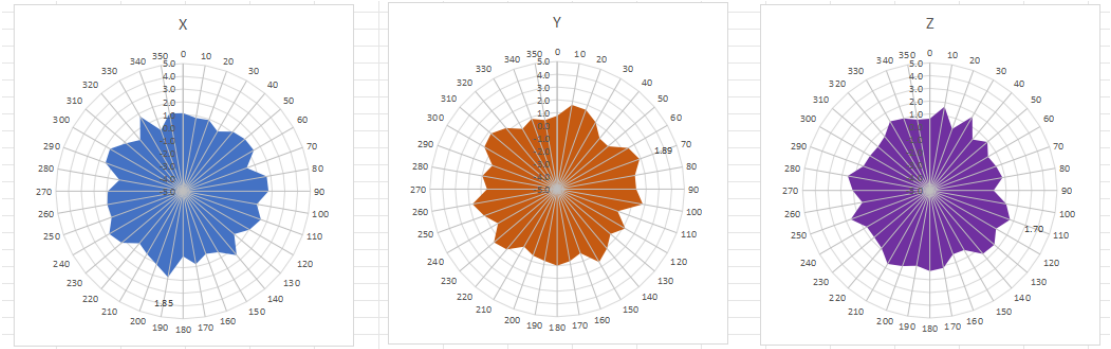
5180MHz



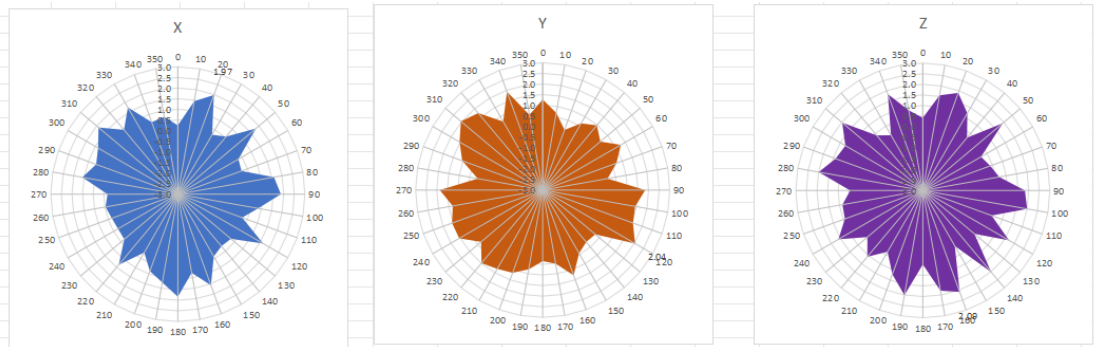
5220MHz



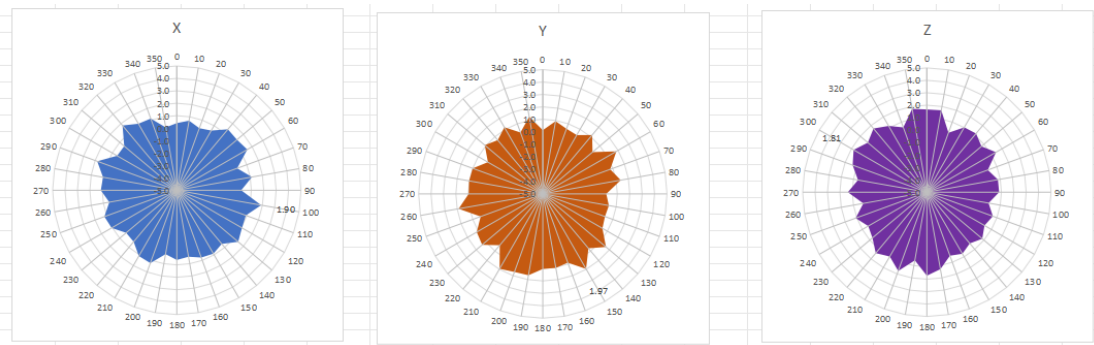
5240MHz



5745MHz



5785MHz



5825MHz

