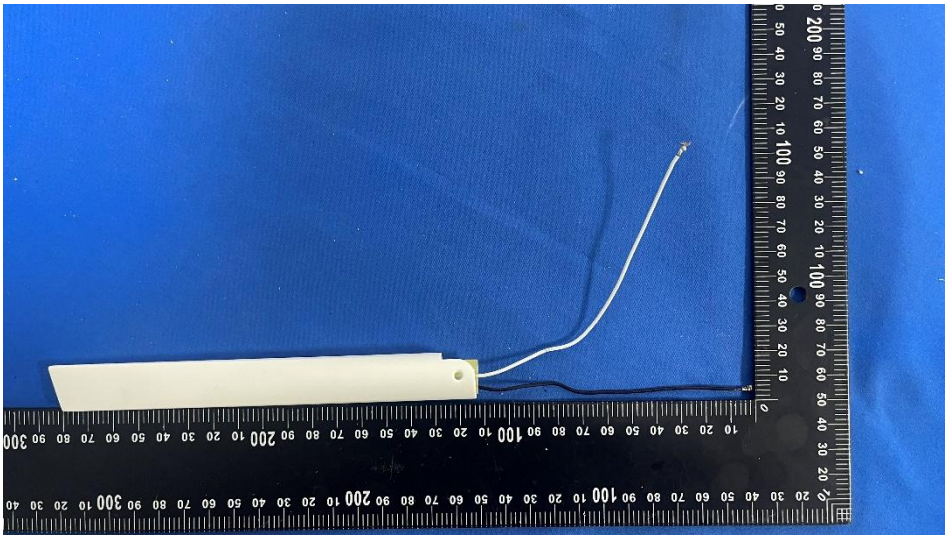


1. Antenna Description:

Antenna type	External antenna
Model	HN8145X6
Frequency range	2400-2500MHz, 5745-5825MHz
Manufacturer	Shenzhen HUANET Technology CO., Ltd
Address	Building B, 2F, Yueguanglan Industrial Park, Dalang Street, Longhua District, Shenzhen, China
ANT Peak Gain	2400-2500MHz:5.0 dBi 5745-5825MHz:5.0 dBi

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

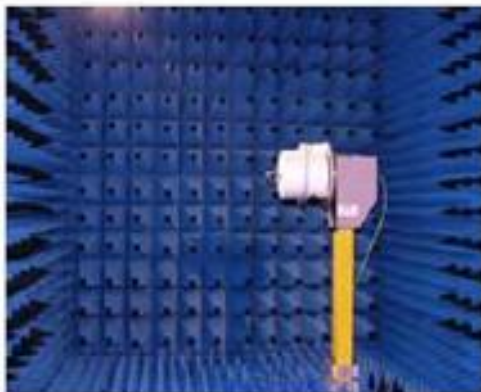
Dark room specifications: ETS-743

TD-SCDMA test equipment: StarPoint SP6010/Agilent 8960

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

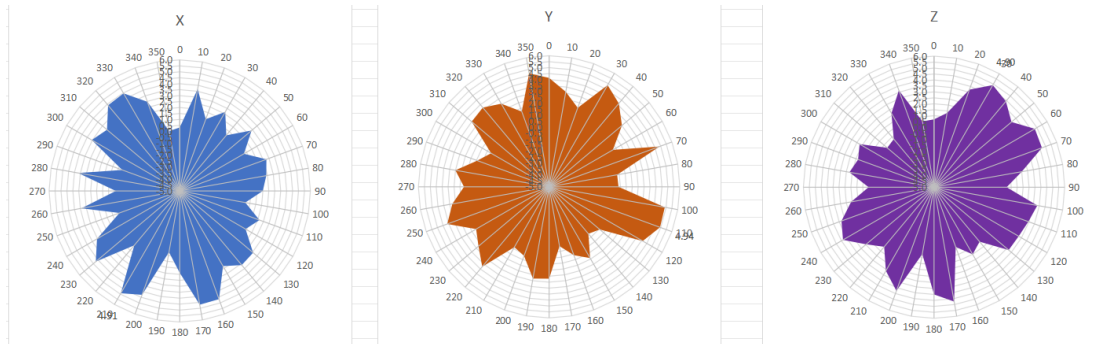
WCDMA/GSM/CDMA test equipment: Agilent 8960

Passive efficiency testing equipment: Agilent Technologies E5071B

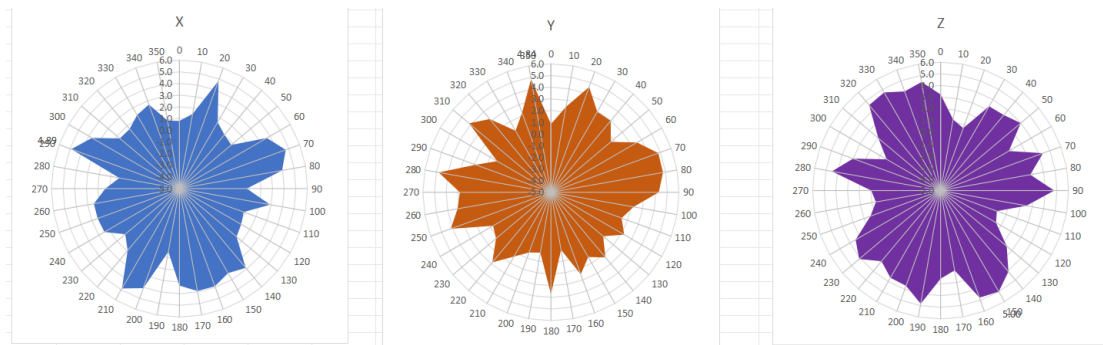


4 . Antenna Radiation Pattern

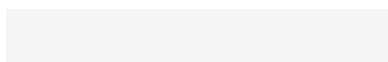
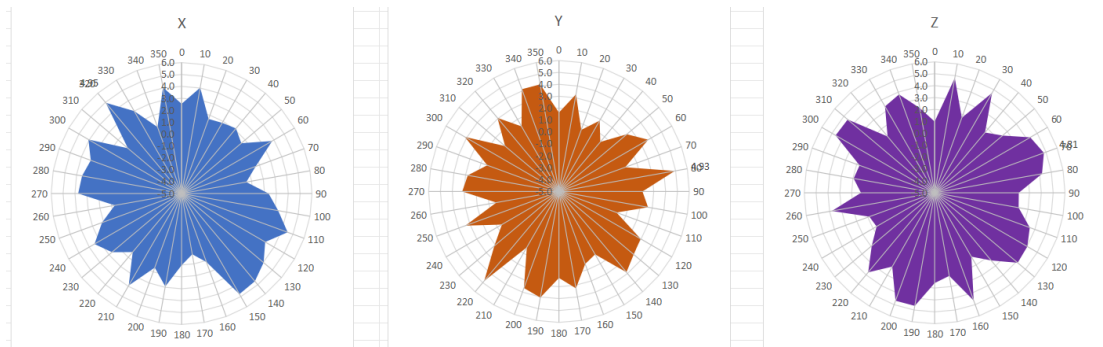
2400MHz



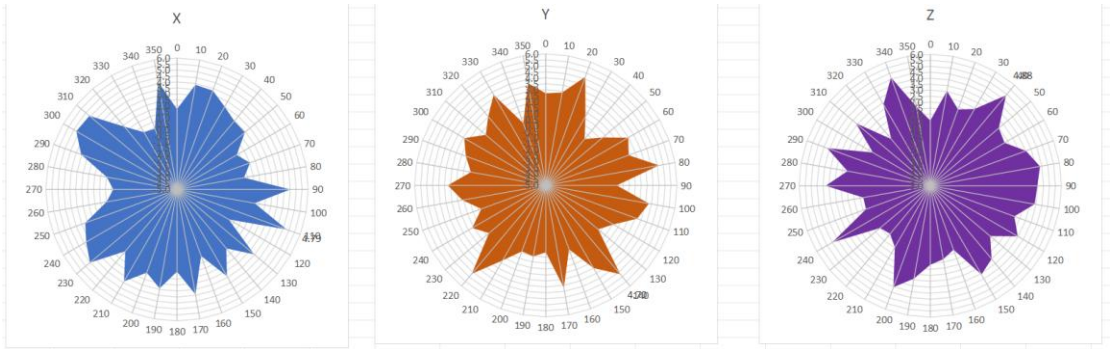
2450MHz



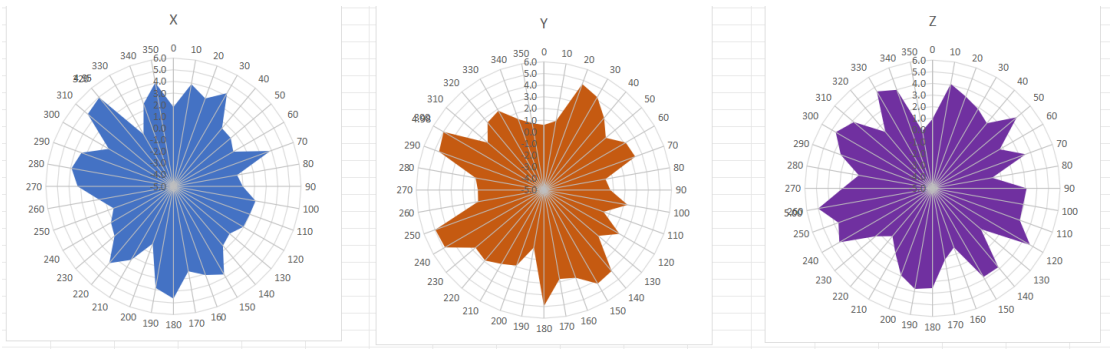
2500MHz



5745MHz



5785MHz



5825MHz

