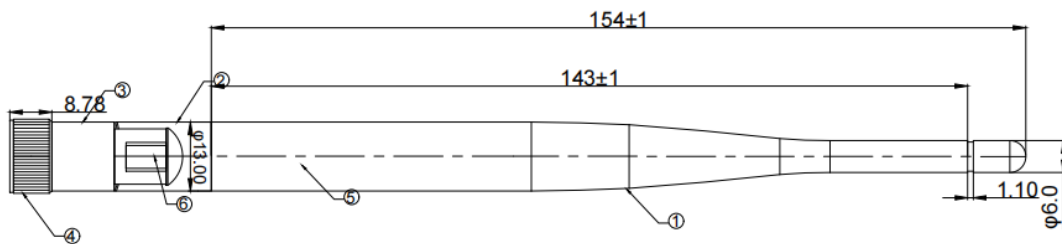


1. Antenna Description:

Antenna type	Rod antenna
Model	5G ANT
Frequency range	2400-2500MHz,5150-5250Mhz
Manufacturer	Shenzhen Havis Touch Technology Company Limited
Address	Room 1103, No. 13, Dafu Industrial Zone, Dafu Community, Guanlan Street, Longhua District, Shenzhen
ANT Peak Gain	2400-2500MHz: 1.50 dBi 5150-5250MHz: 1.50 dBi

2. Antenna Photo:



unit:mm

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

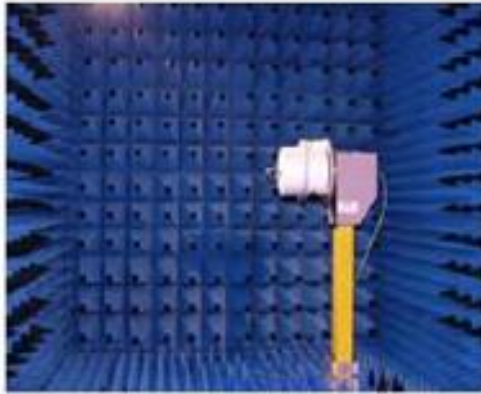
Dark room specifications: ETS-743

TD-SCDMA test equipment: StarPoint SP6010/Agilent 8960

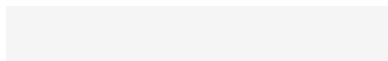
LTE-TDD/FDD-SCDMA test equipment: StarPoint SP8011/CMW500

WCDMA/GSM/CDMA test equipment: Agilent 8960

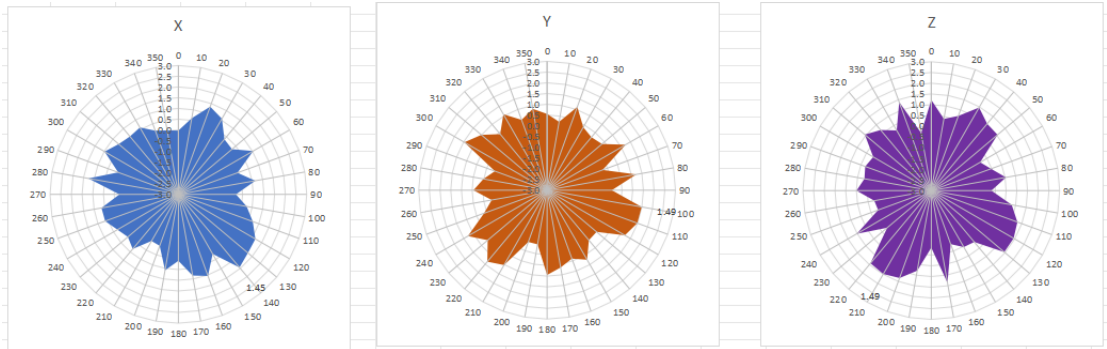
Passive efficiency testing equipment: Agilent Technologies E5071B



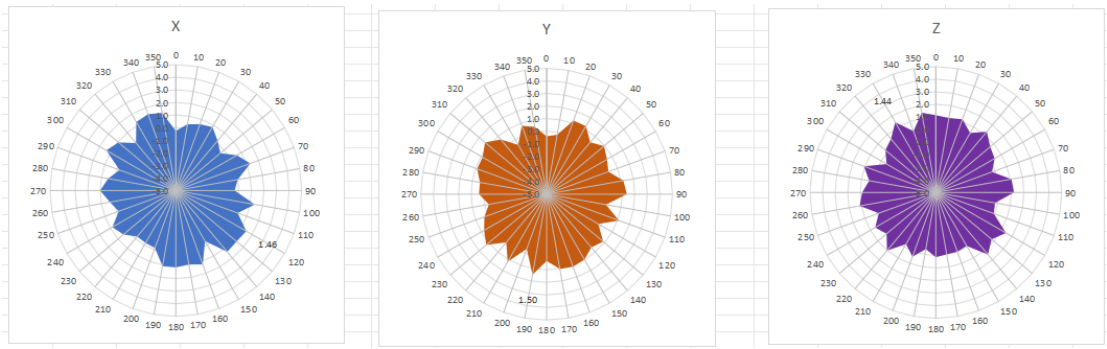
4 . Antenna Radiation Pattern



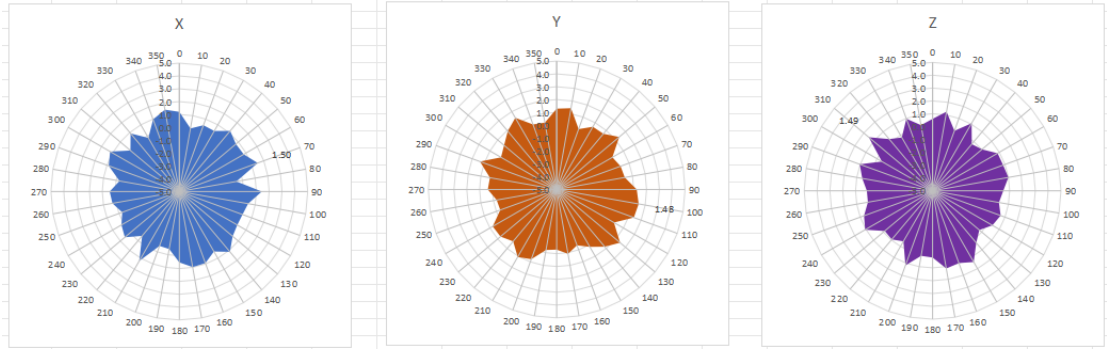
2400MHz



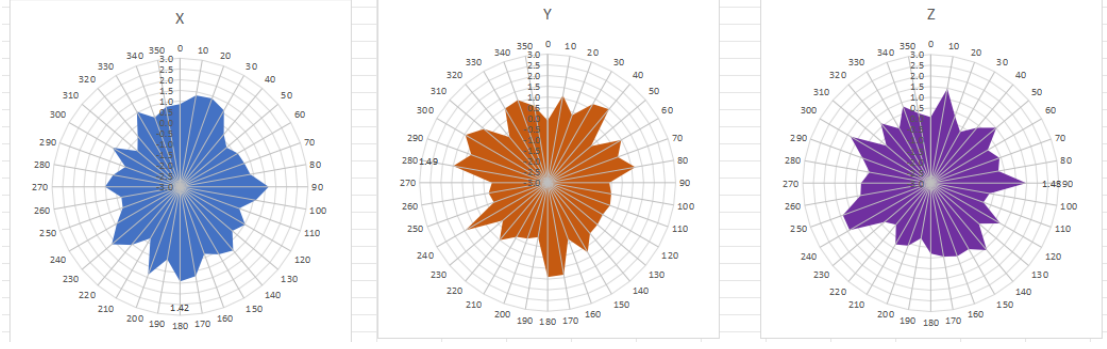
2450MHz



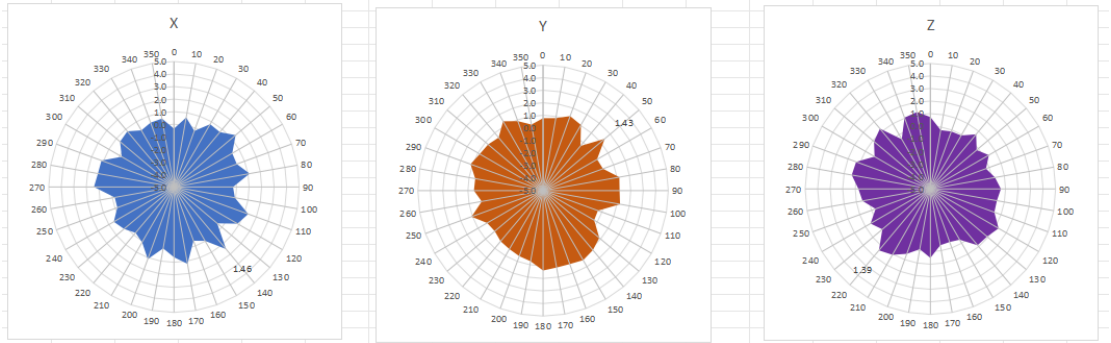
2500MHz



5150MHz



5200MHz



5250MHz

