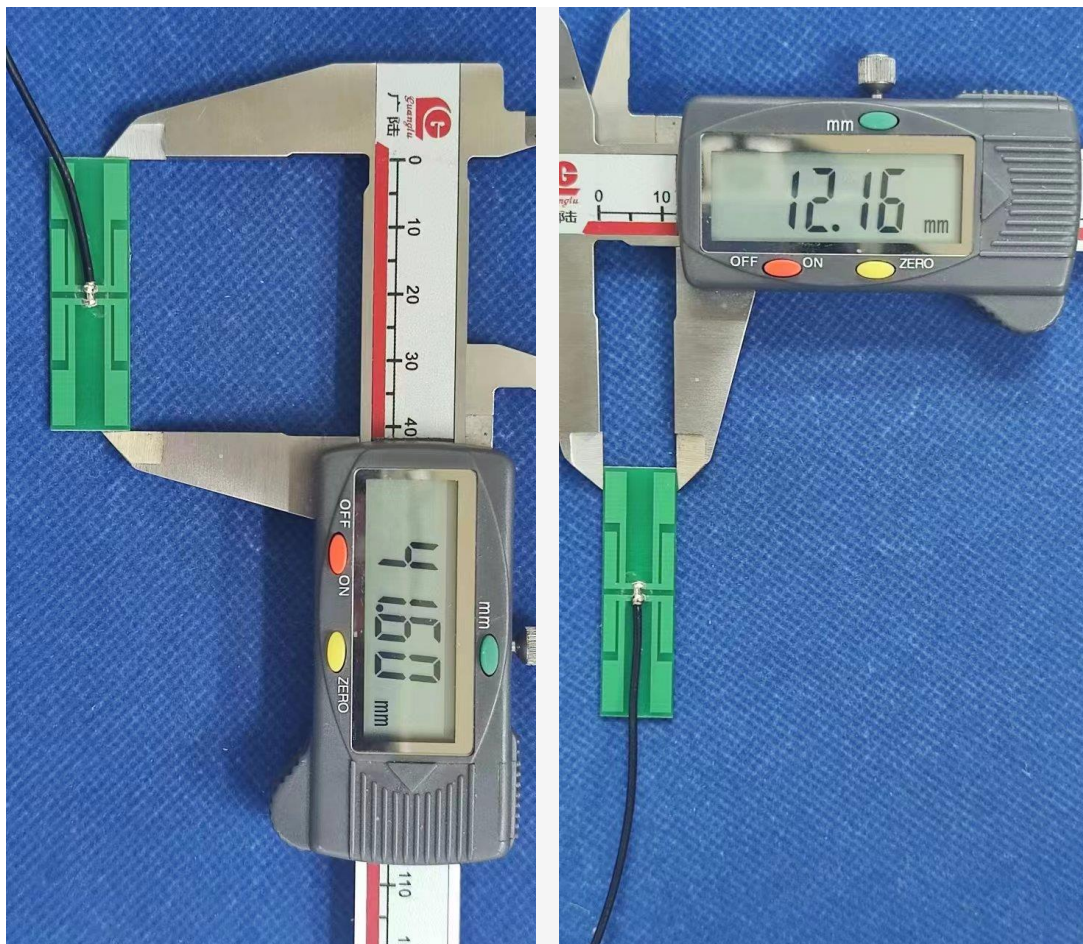


1. Antenna Description:

Antenna type	PCB antenna
Model	INSTER_RA01
2.4G Frequency range	2400-2500MHz
5G Frequency range	5180MHz to 5240MHz, 5260MHz to 5320MHz, 5500MHz to 5700MHz, 5745MHz to 5825MHz
Manufacturer	Inster Tecnologia y Comunicaciones
ANT Peak Gain	4.50 dBi

2. Antenna Photo:

Length: 41.60mm
Width: 12.16mm



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

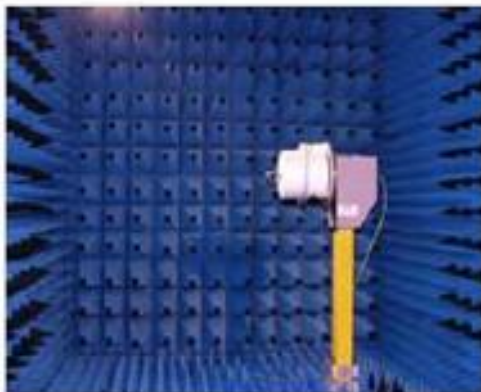
Dark room specifications: ETS-743

TD-SCDMA test equipment: StarPoint SP6010/Agilent 8960

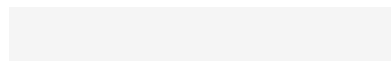
LTE-TDD/FDD-SCDMA test equipment: StarPoint SP8011/CMW500

WCDMA/GSM/CDMA test equipment: Agilent 8960

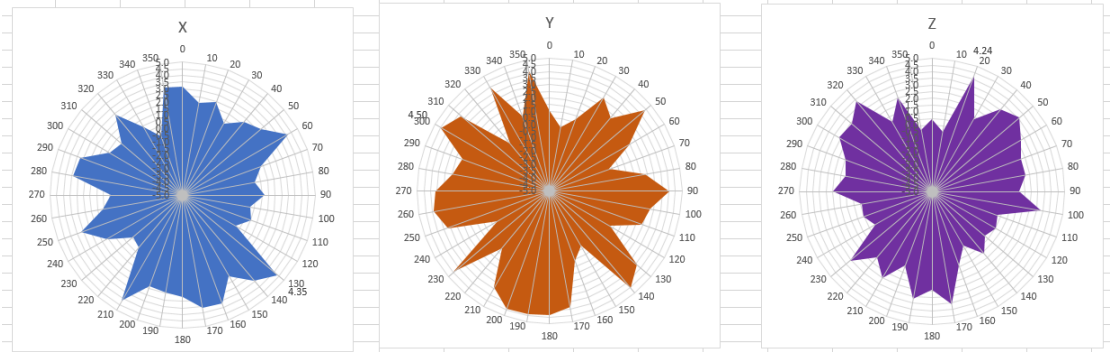
Passive efficiency testing equipment: Agilent Technologies E5071B



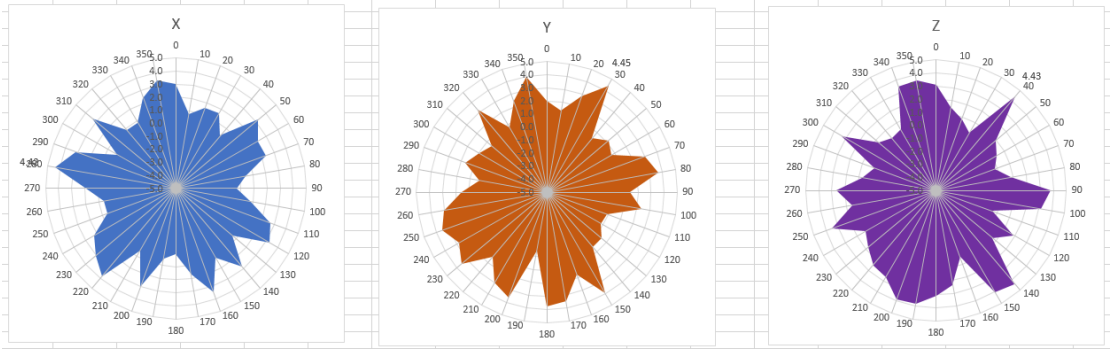
4 . Antenna Radiation Pattern



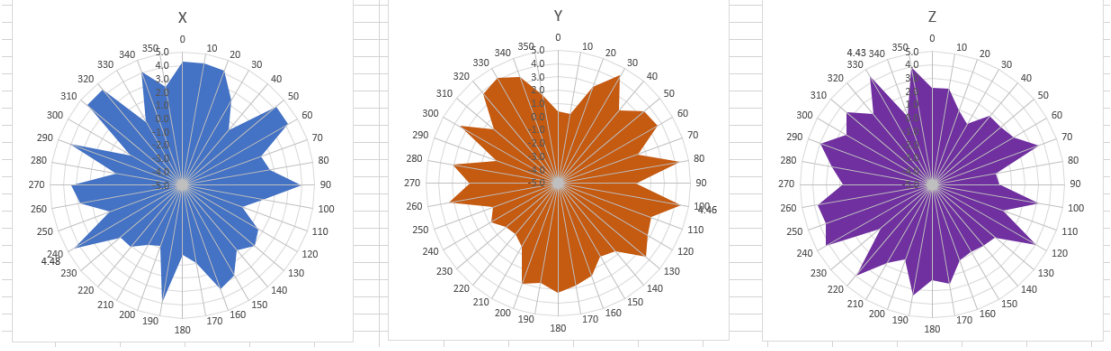
2400MHz



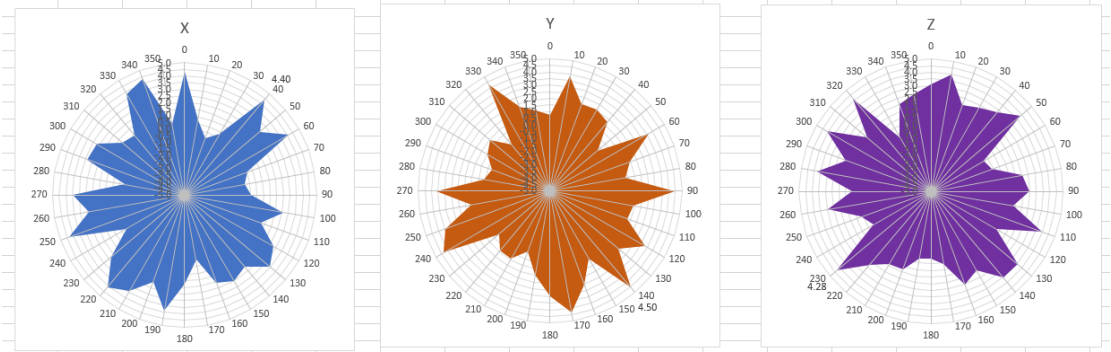
2450MHz



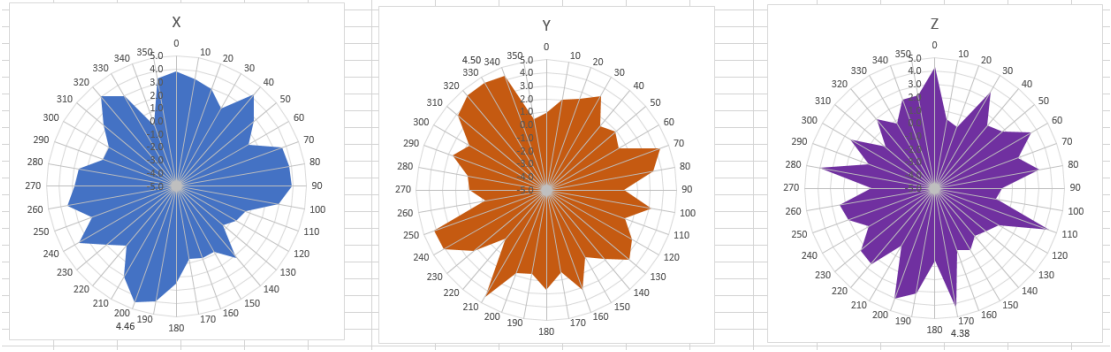
2500MHz



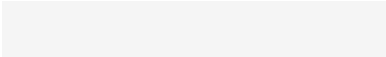
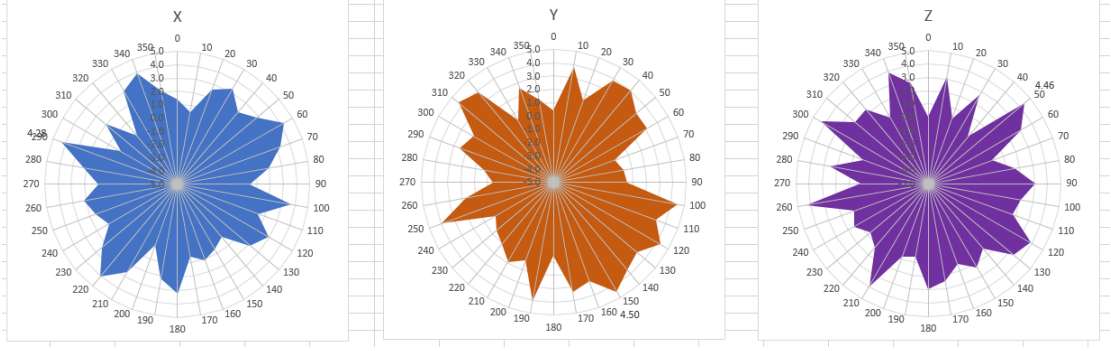
5150MHz



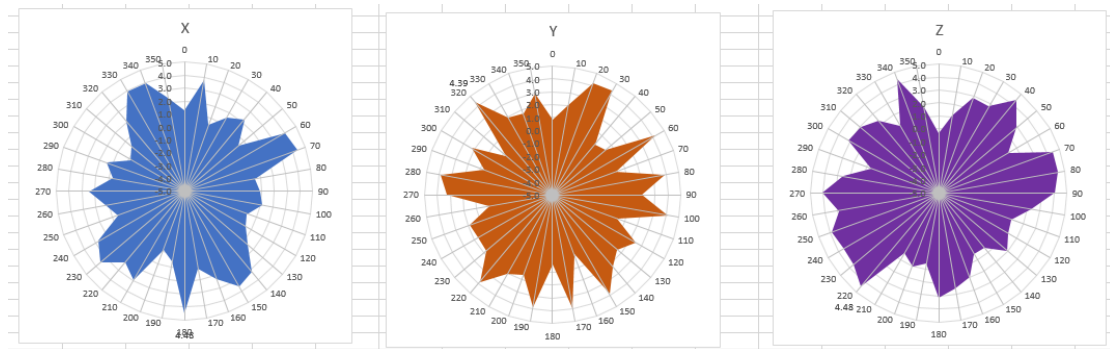
5350MHz



5550MHz



5750MHz



5850MHz

