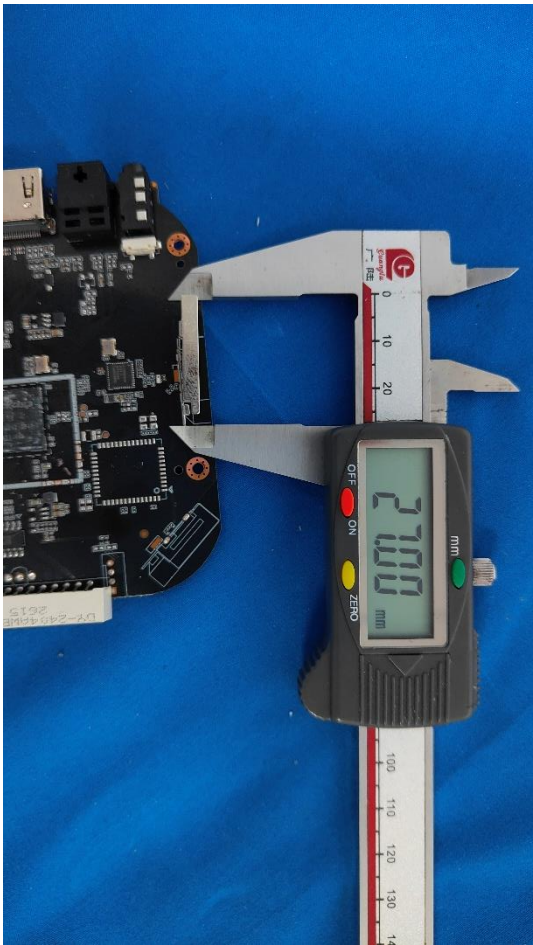


1. Antenna Description:

Antenna type	Metal antenna
Model	MORTAL X5S
Frequency range	2400-2500MHz, 5180-5240MHz, 5745-5825MHz
Manufacturer	Shenzhen Xinghe Video Communication Co., Ltd
Address	2F,Bud F,Hongzhu Yongqi Technology Park, LezhujiaoVillage, Jiuwei Community, Hangcheng Street, Bao'an,District,Shenzhen, China
ANT Peak Gain	0.73 dBi for 2400-2500MHz 1.53 dBi for 5180-5240MHz 1.23 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

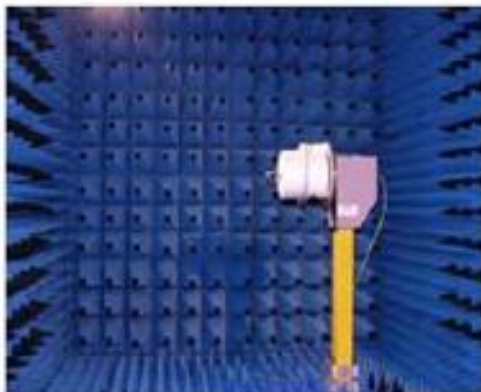
Dark room specifications: ETS-743

TD-SCDMA test equipment: StarPoint SP6010/Agilent 8960

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

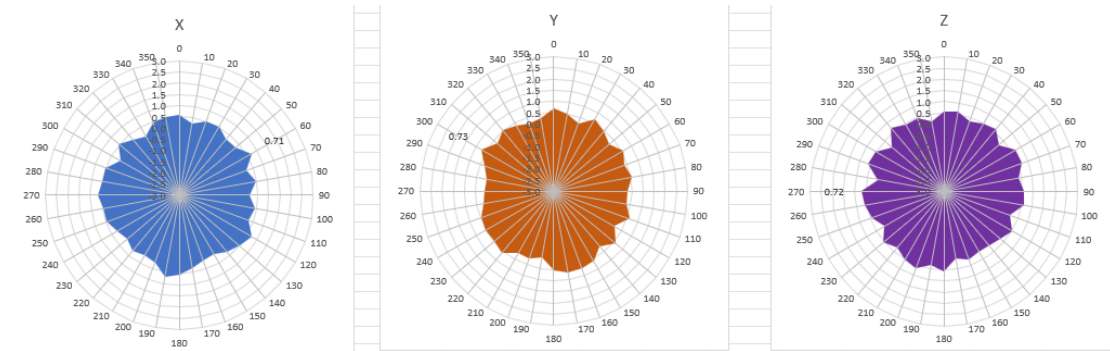
WCDMA/GSM/CDMA test equipment: Agilent 8960

Passive efficiency testing equipment: Agilent Technologies E5071B

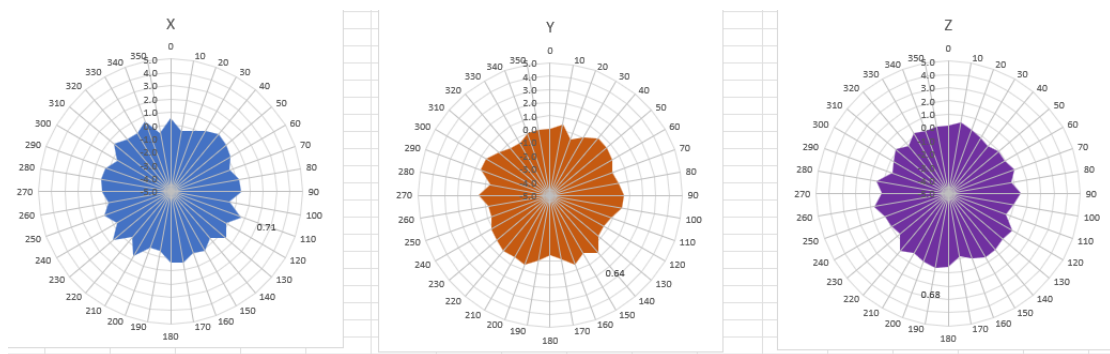


4 . Antenna Radiation Pattern

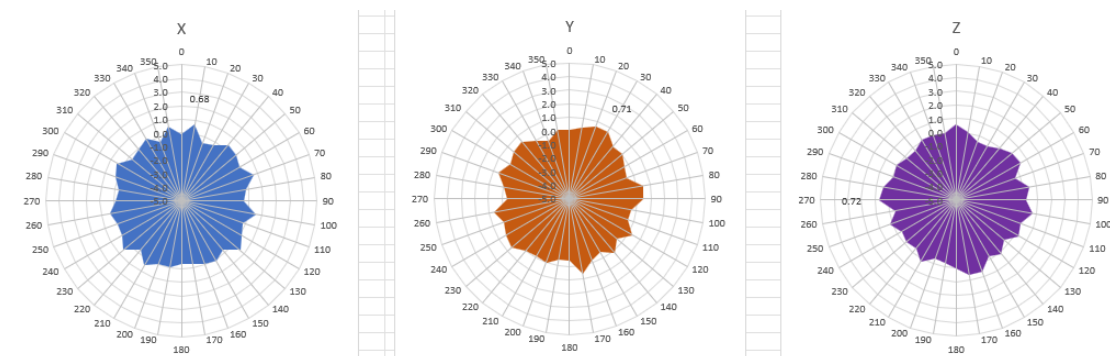
2400MHz



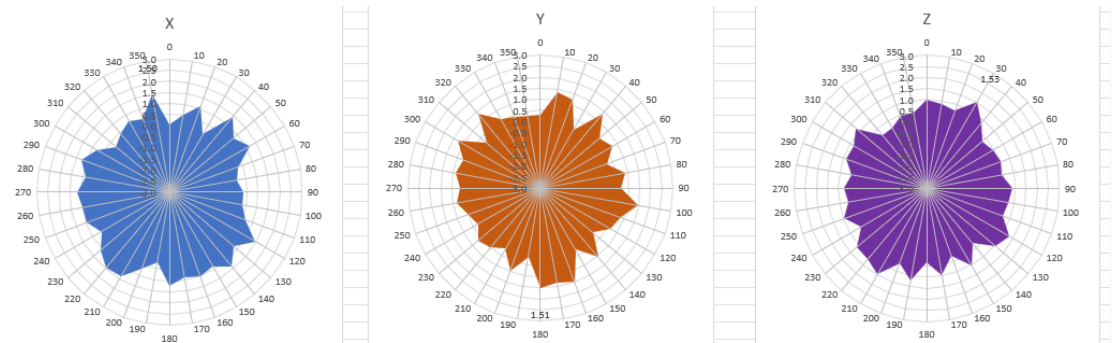
2450MHz



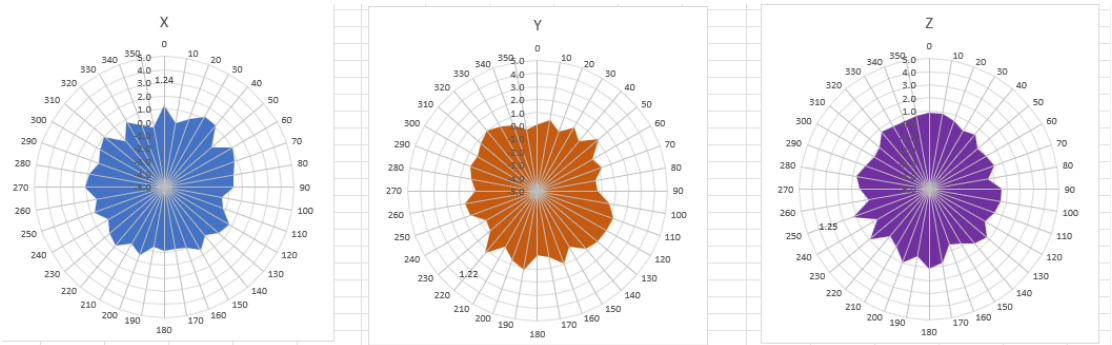
2500MHz



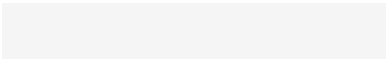
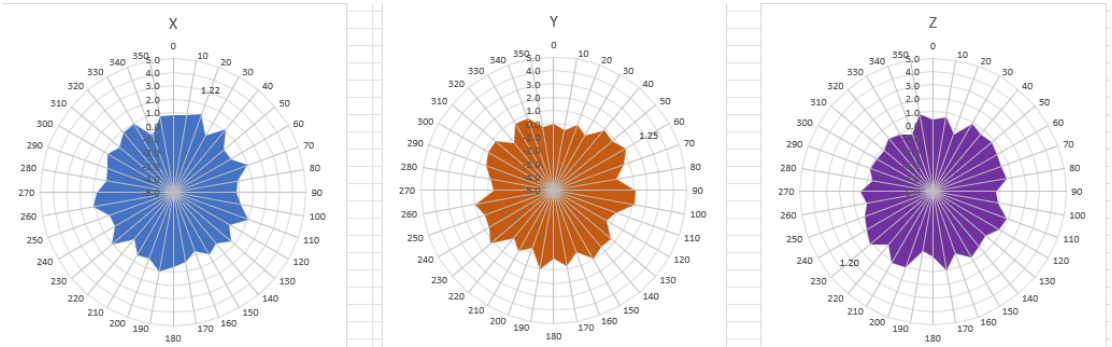
5180MHz



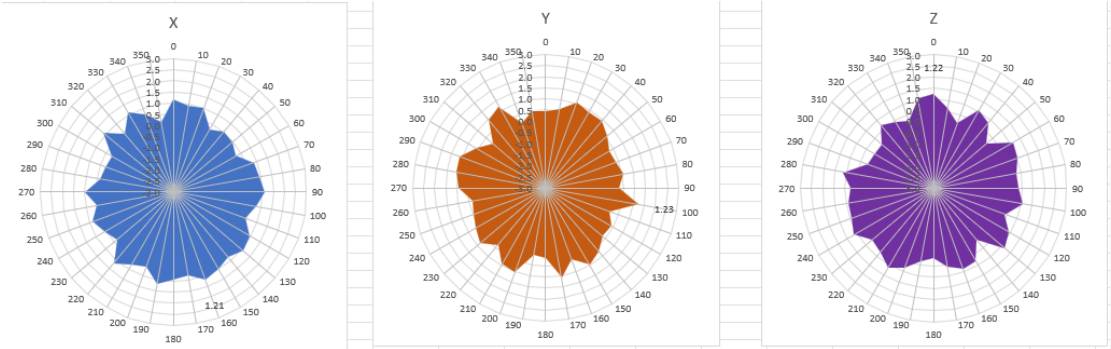
5220MHz



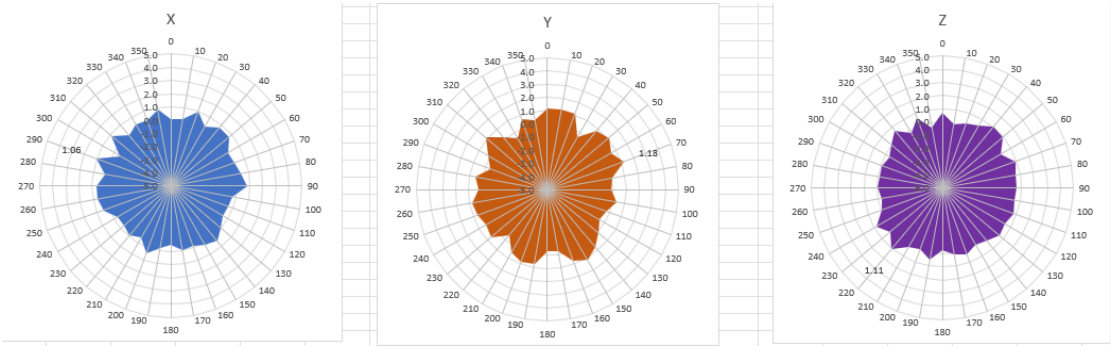
5240MHz



5745MHz



5785MHz



5825MHz

