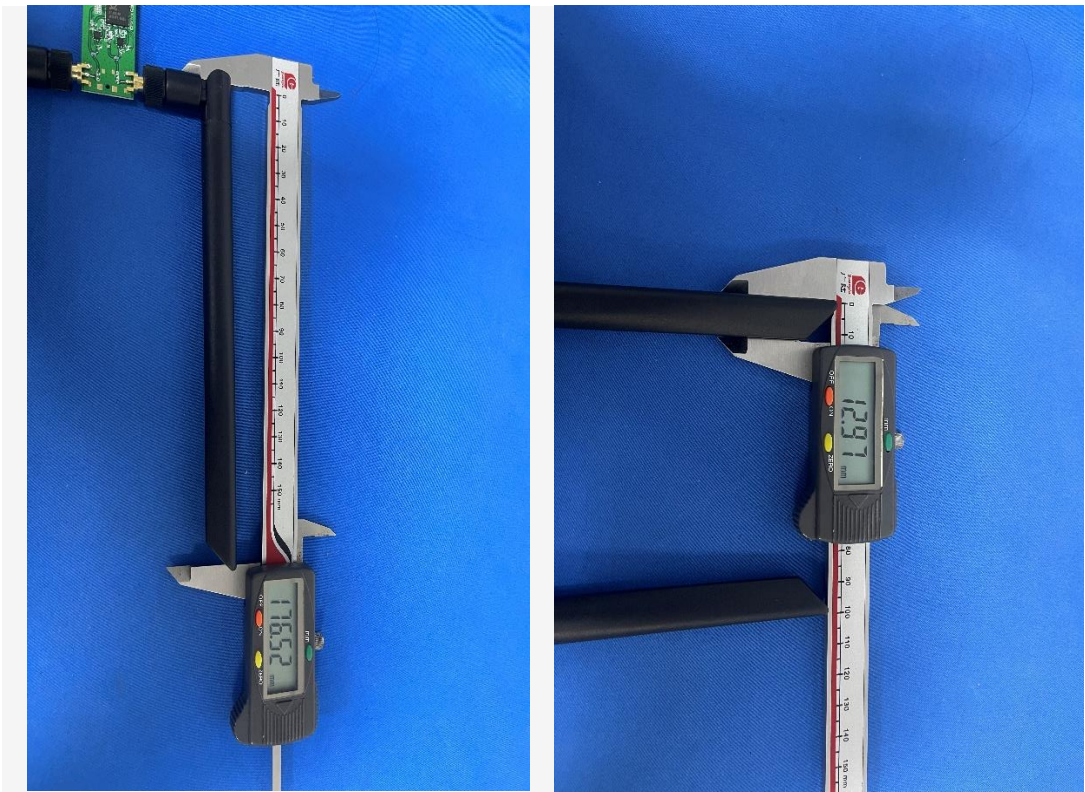


1. Antenna Description:

Antenna type	External antenna
Model	WIF02
Frequency range	2412 - 2462MHz 5180MHz-5240MHz, 5745MHz-5825MHz
Manufacturer	Shenzhen Sino-Memory Electronics Co., Ltd
Address	507, Block 12, Lishan Industrial Park, No. 8 Yanshan Road, Liwan Community, Nanshan District, Shenzhen 518066, Guangdong, China
ANT Peak Gain	1.49 dBi for 2412 - 2462MHz 1.27 dBi for 5180-5240MHz 1.19 dBi for 5745-5825MHz

2. Antenna Photo:

Length :176.52mm
Width:12.97mm



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

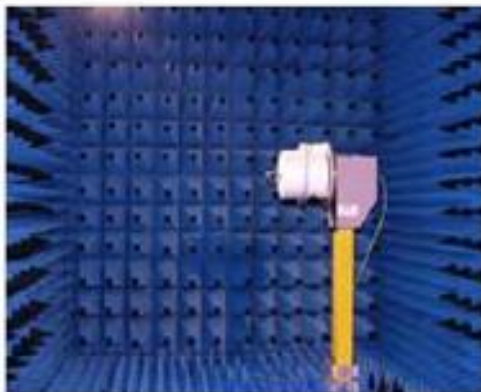
Dark room specifications: ETS-743

TD-SCDMA test equipment: StarPoint SP6010/Agilent 8960

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

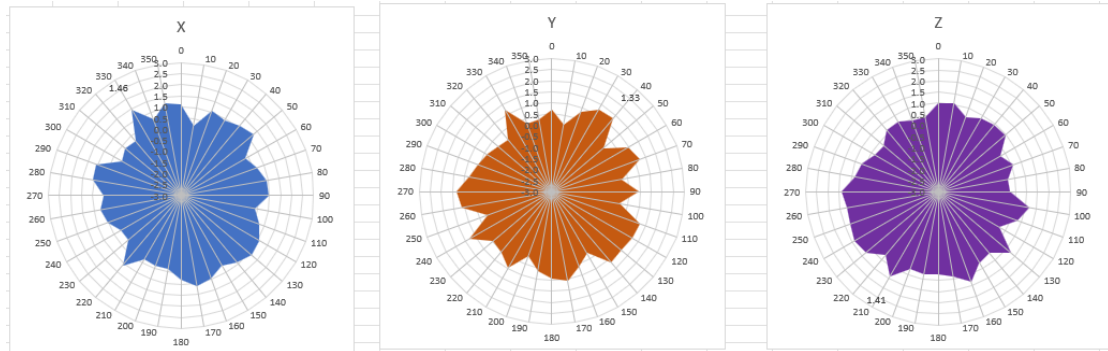
WCDMA/GSM/CDMA test equipment: Agilent 8960

Passive efficiency testing equipment: Agilent Technologies E5071B

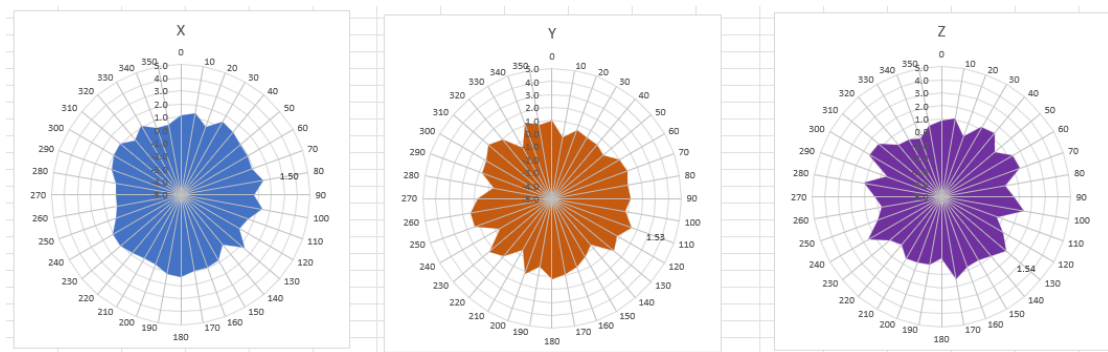


4 . Antenna Radiation Pattern

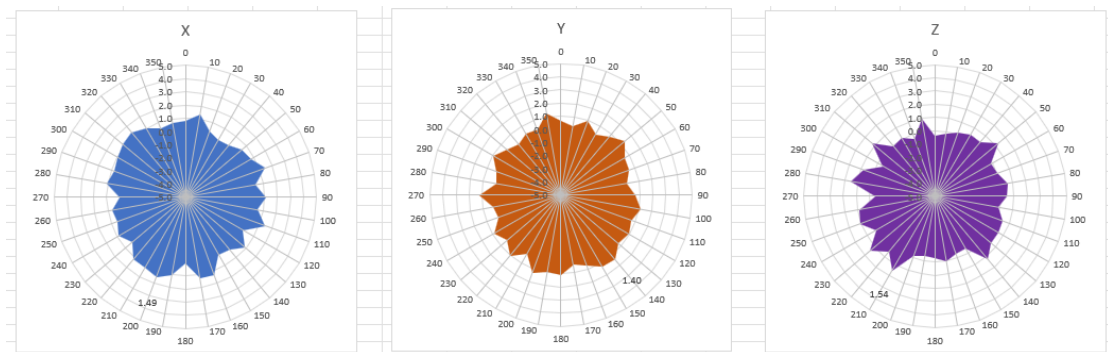
2400MHz



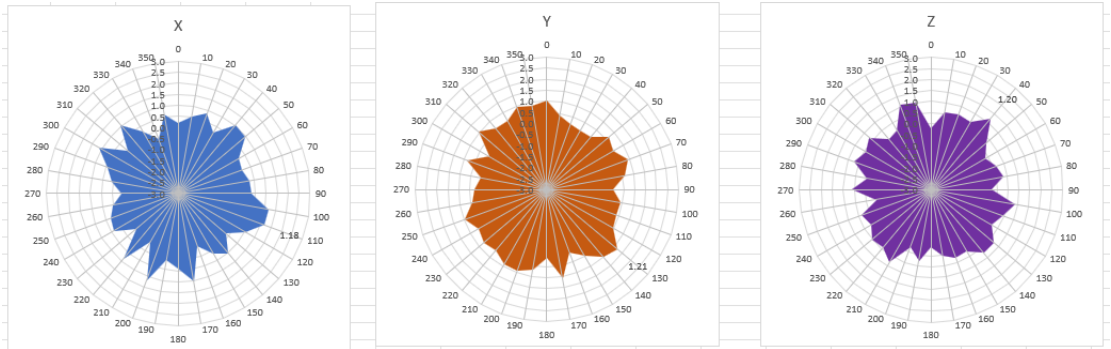
2450MHz



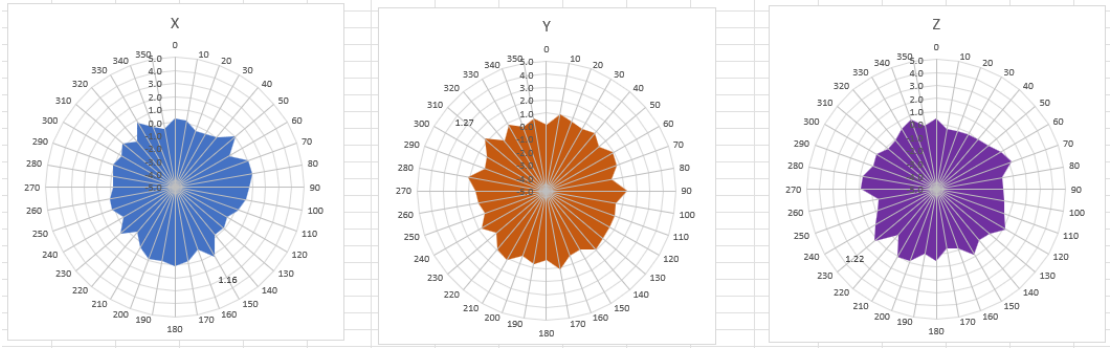
2500MHz



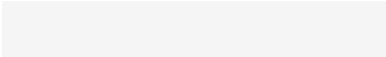
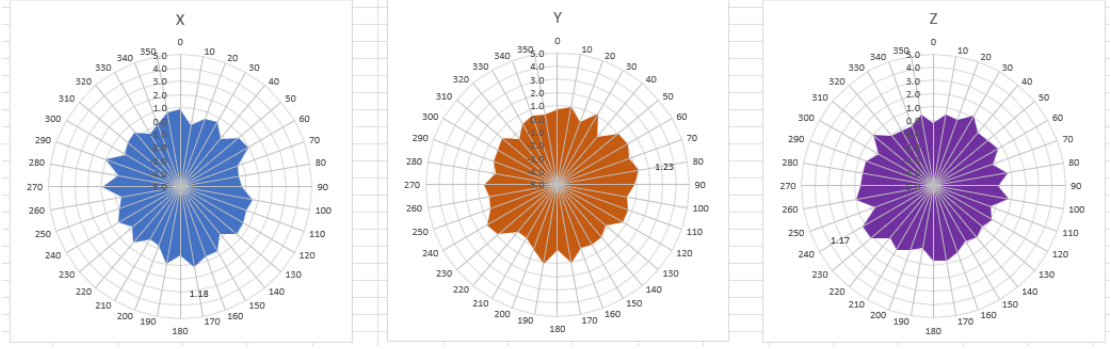
5180MHz



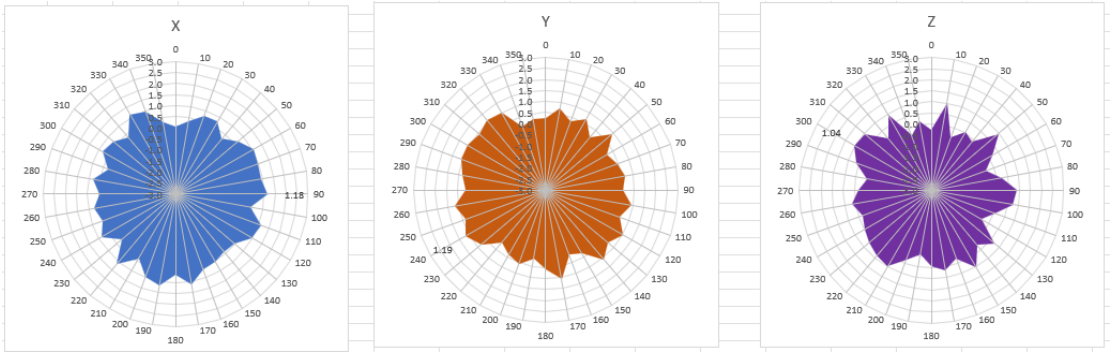
5220MHz



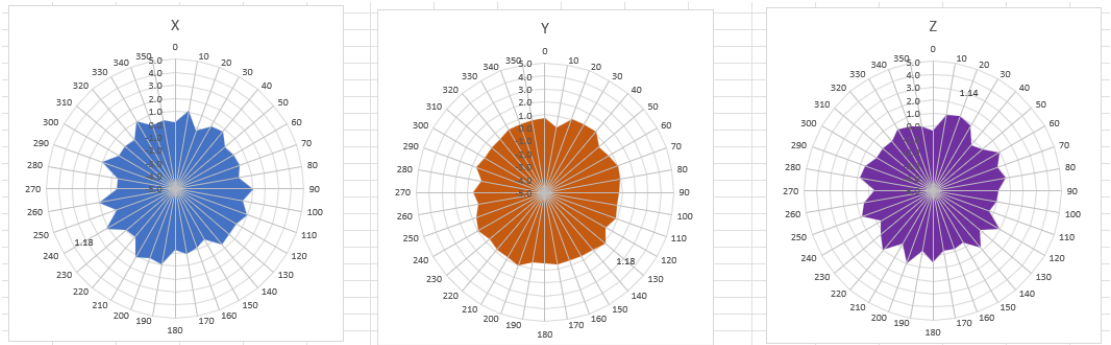
5240MHz



5745MHz



5785MHz



5825MHz

