

1. Antenna Description:

Antenna type	PIFA antenna
Model	Lubinsong 20261905
Frequency range	2400-2500MHz, 5180-5240MHz
Manufacturer	Lubinsong
Address	#301 7-5-2 Tanimachi Chuo-ku,Osaka-shi, Osaka-fu 542-0012 Japan
ANT Peak Gain	2400-2500MHz:1.06 dBi 5180-5240MHz: 1.12 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

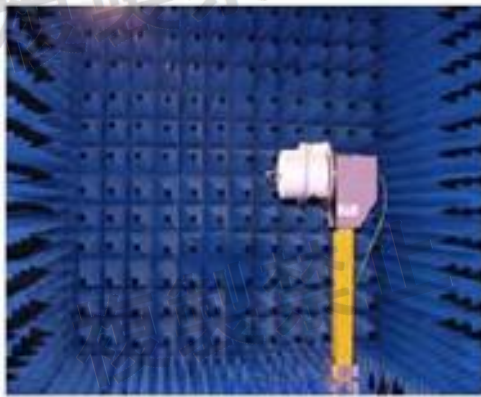
Dark room specifications: ETS-743

TD-SCDMA test equipment: StarPoint SP6010/Agilent 8960

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

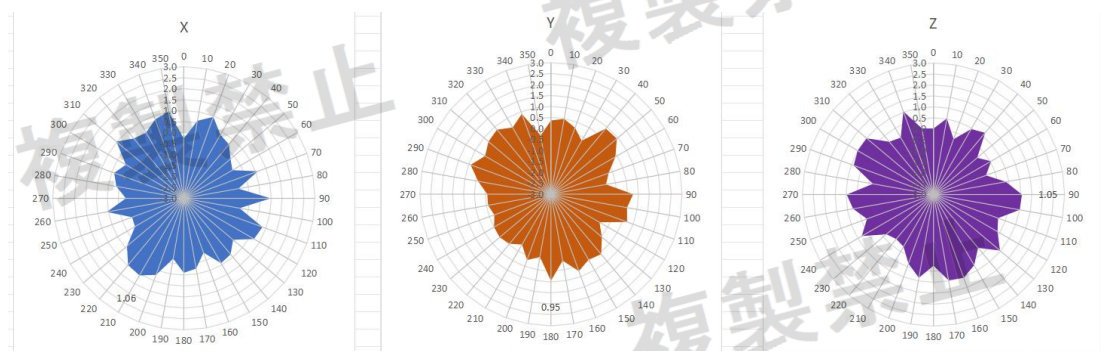
WCDMA/GSM/CDMA test equipment: Agilent 8960

Passive efficiency testing equipment: Agilent Technologies E5071B

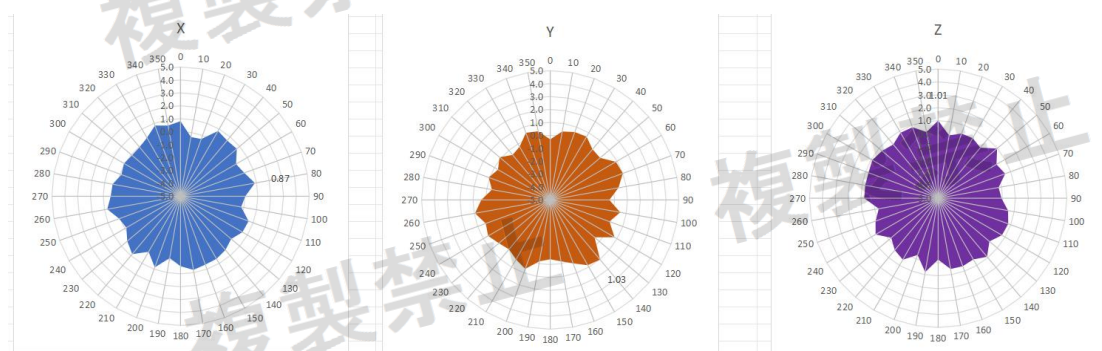


4. Antenna Radiation Pattern

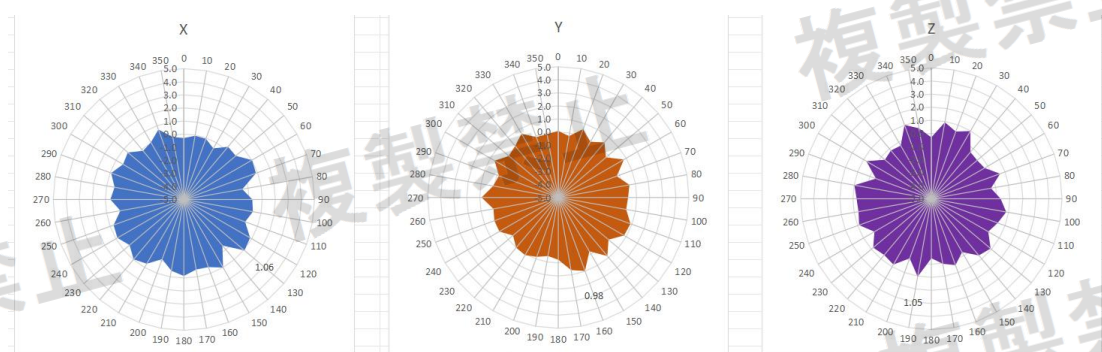
2400MHz



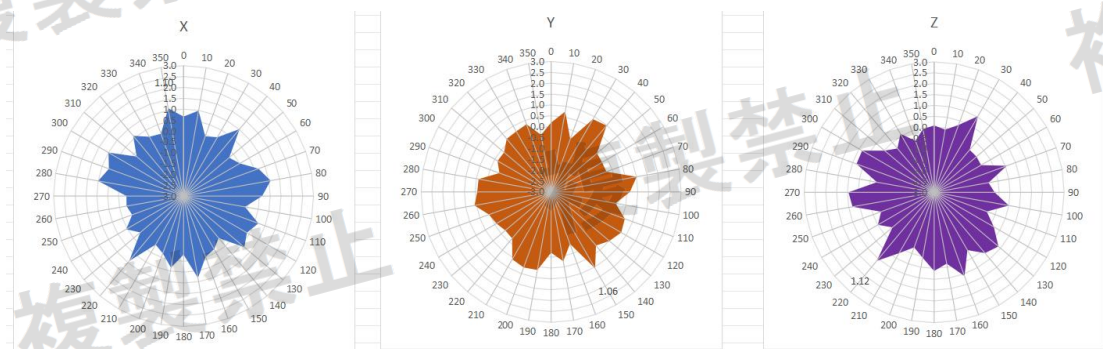
2450MHz



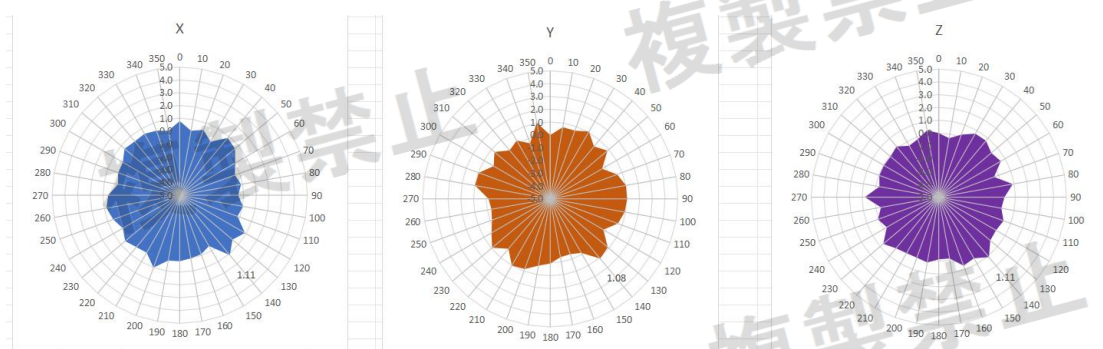
2500MHz



5180MHz



5220MHz



5240MHz

