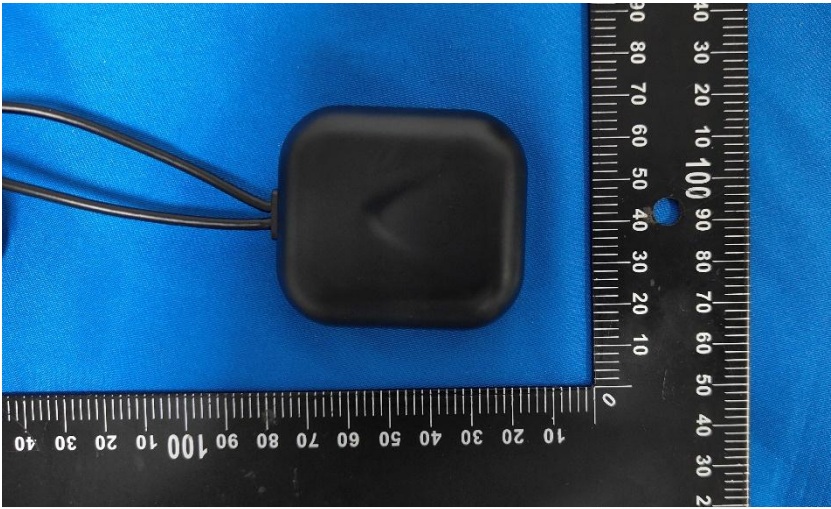


1. Antenna Description:

Antenna type	External Antenna
Model	G56-2
Manufacturer	Shenzhen FirstCloud Smart Create Technology Co., Ltd
Address	2/F, Building B, Yongchuang Industrial Park, No.5, Science Road NO.1, Shang Xue Science & Technology Park, Ban Tian Town, Long Gang District, Shenzhen, China
ANT Peak Gain	0.56dBi for GSM850(824.2MHz-848.8MHz) 0.89dBi for PCS1900(1850.2MHz-1909.8MHz) 0.89dBi for WCDMA Band II(1852.4MHz-1907.6MHz) 0.73dBi for WCDMA Band IV(1712.4MHz-1752.6MHz) 0.56dBi for WCDMA Band V(826.40MHz-846.60MHz) 0.89dBi for E-UTRA Band 2(1850 MHz -1910MHz) 0.73dBi for E-UTRA Band 4(1710 MHz -1755MHz) 0.56dBi for E-UTRA Band 5(824 MHz -849MHz) 0.92dBi for E-UTRA Band 7(2500 MHz -2570MHz) 0.48dBi for E-UTRA Band 12(699 MHz -716MHz)

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

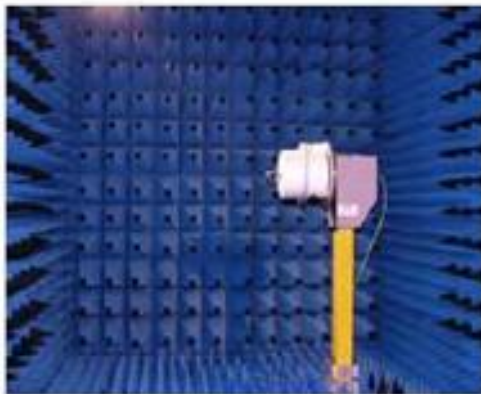
Dark room specifications: ETS-743

TD-SCDMA test equipment: StarPoint SP6010/Agilent 8960

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

WCDMA/GSM/CDMA test equipment: Agilent 8960

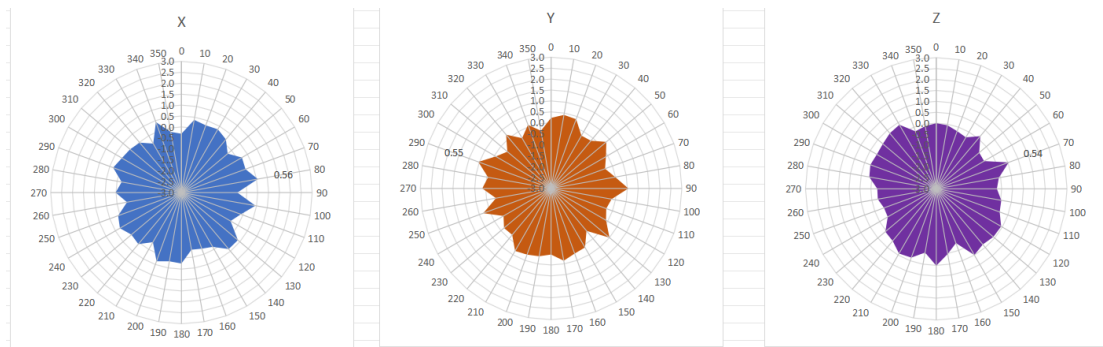
Passive efficiency testing equipment: Agilent Technologies E5071B



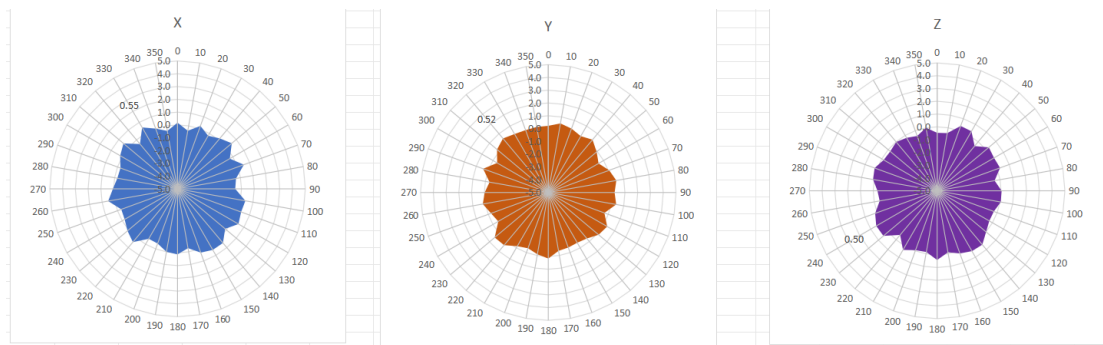
4 . Antenna Radiation Pattern

GSM850/WCDMA Band V/ E-UTRA Band 5

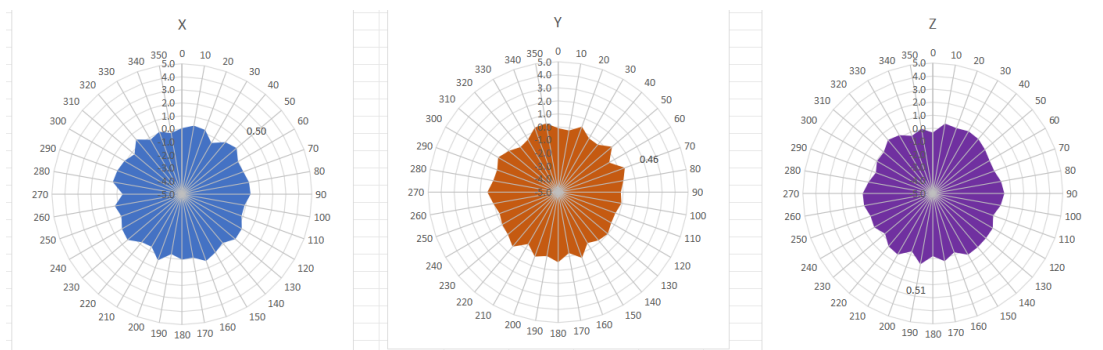
824MHz



837MHz

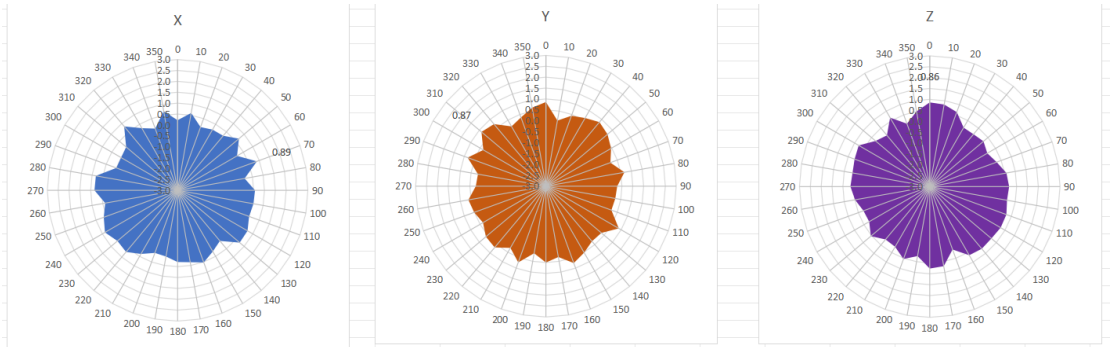


850MHz

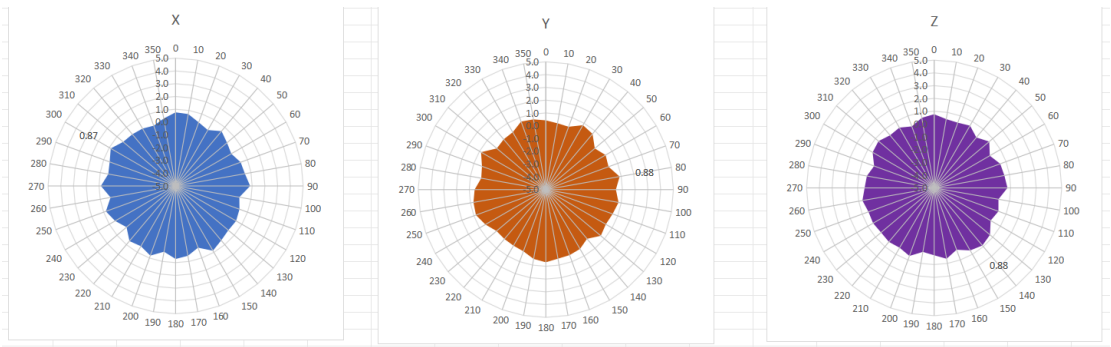


PCS1900/WCDMA Band II/E-UTRA Band 2

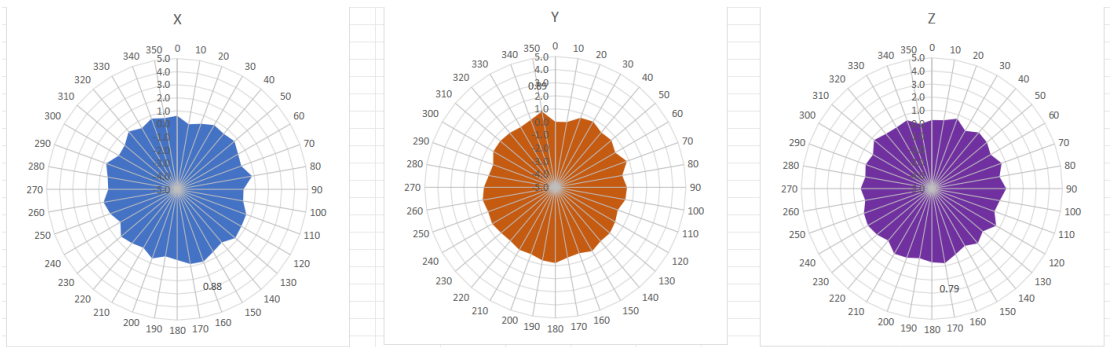
1850MHz



1880MHz

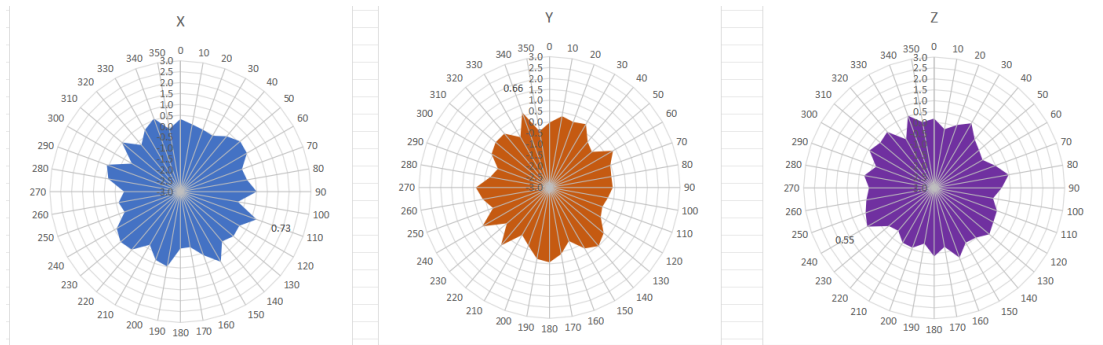


1910MHz

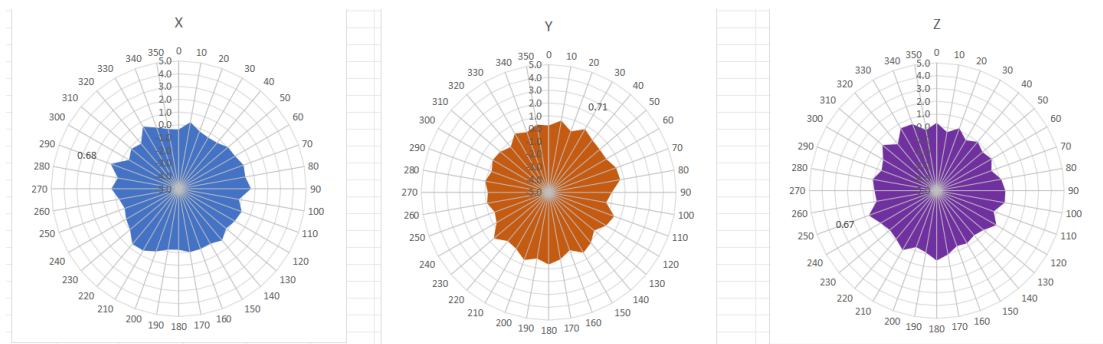


WCDMA Band IV/E-UTRA Band 4

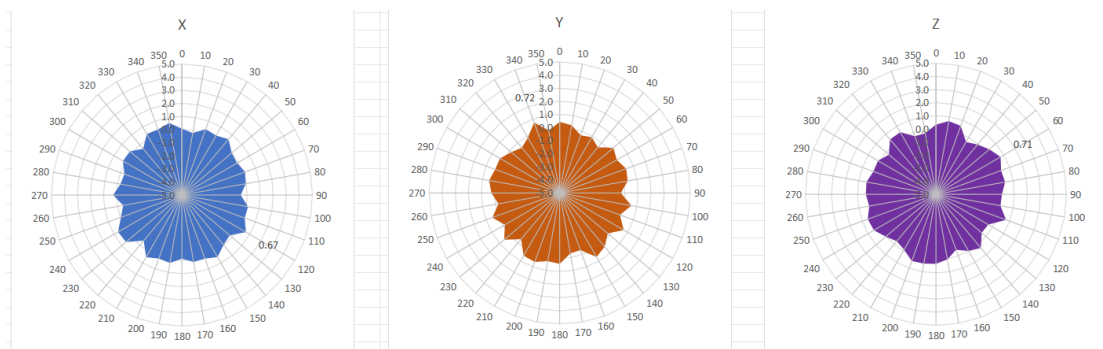
1710MHz



1732MHz

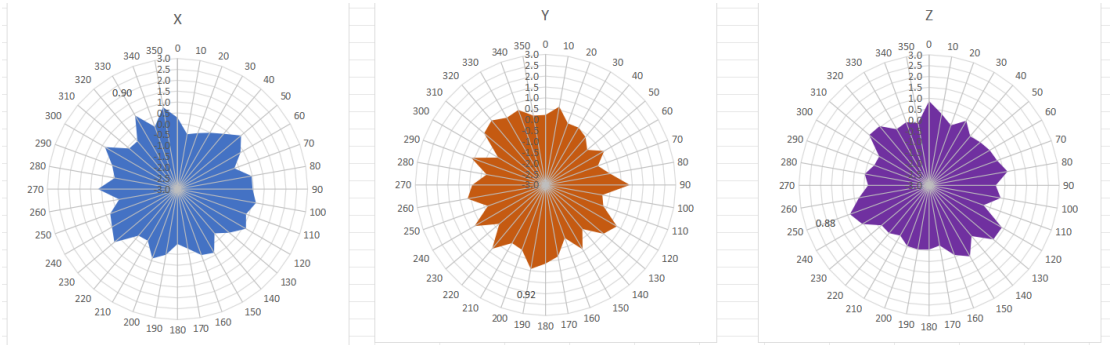


1755MHz

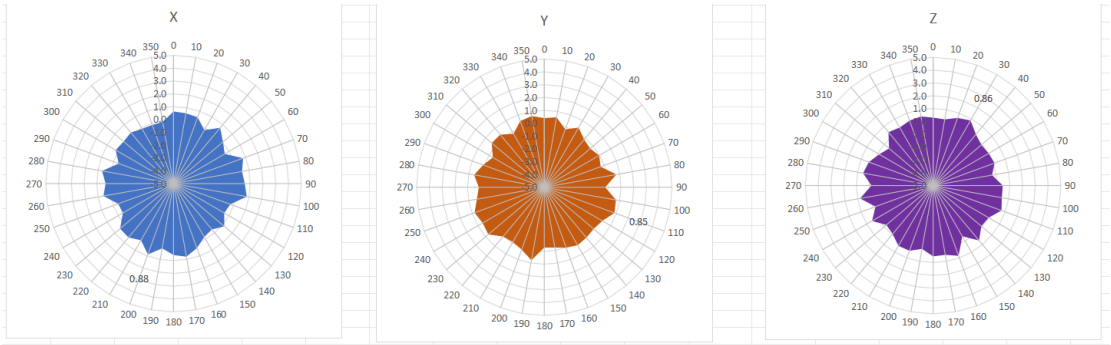


E-UTRA Band 7

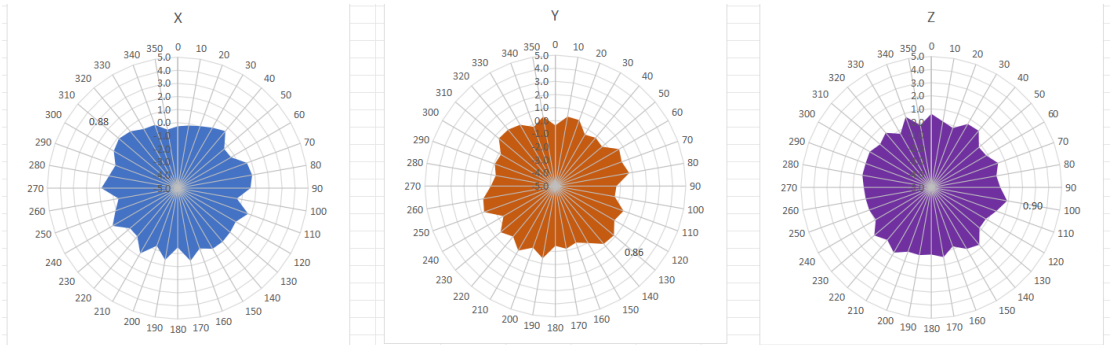
2500MHz



2535MHz

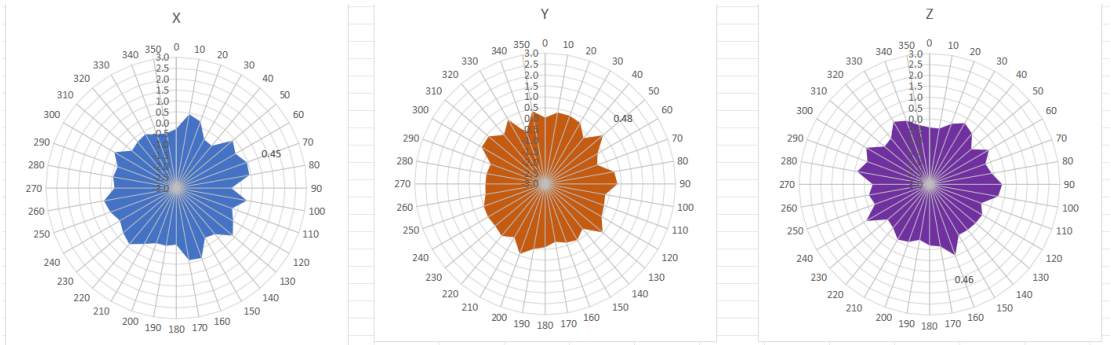


2570MHz

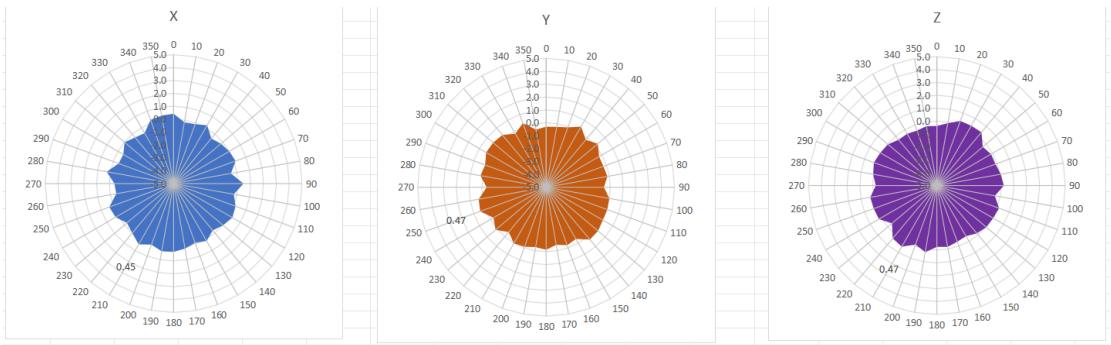


E-UTRA Band 12

699MHz



707MHz



716MHz

