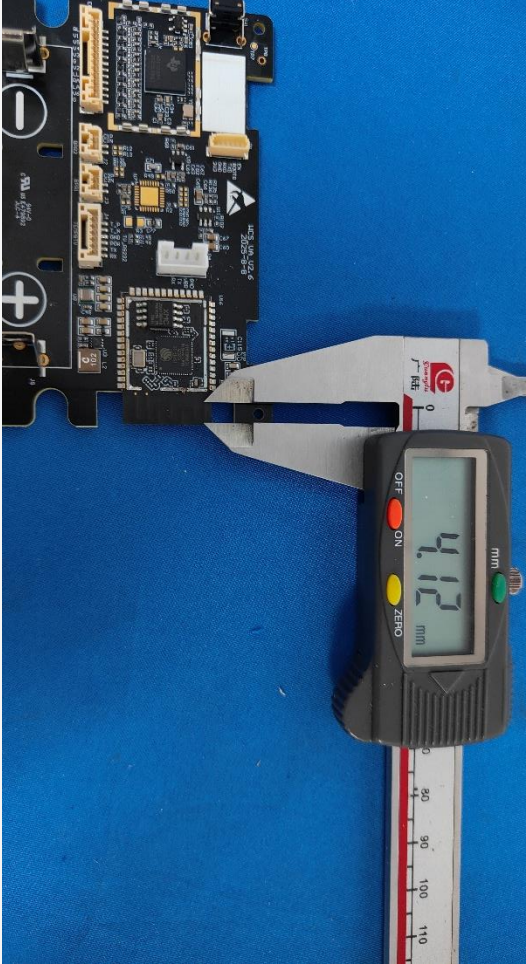
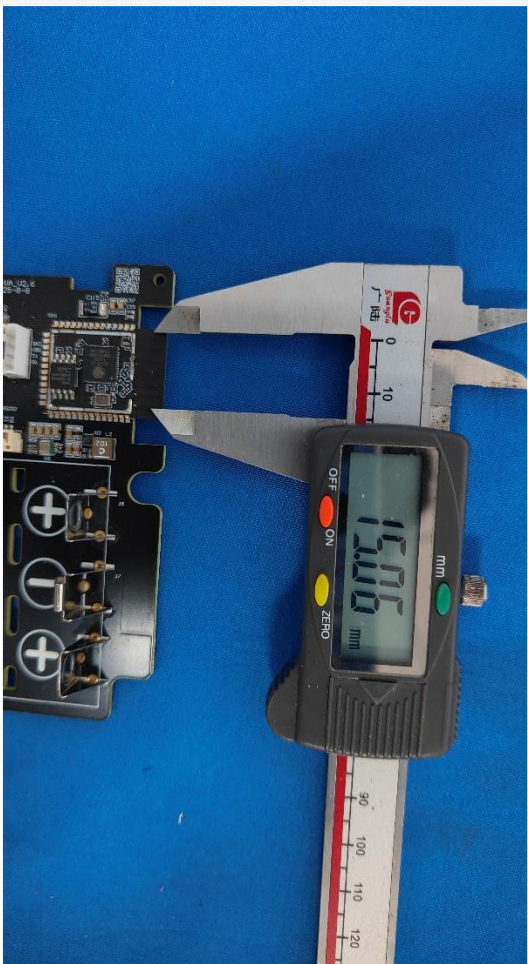


1. Antenna Description:

Antenna type	PCB antenna
Model	JTT-511B
Frequency range	2412 - 2462MHz
Manufacturer	MappingLab Limited
Address	Magdalen Centre, The Oxford Science Park, Oxford OX4 4GA, United Kingdom
ANT Peak Gain	3.26 dBi

2. Antenna Photo:

Length: 15.06mm
Width: 4.12mm



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

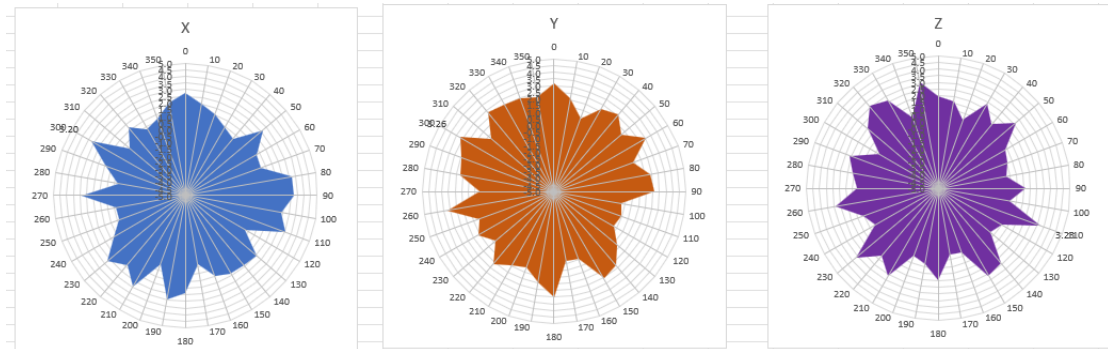
WCDMA/GSM/CDMA test equipment: Agilent 8960

Passive efficiency testing equipment: Agilent Technologies E5071B

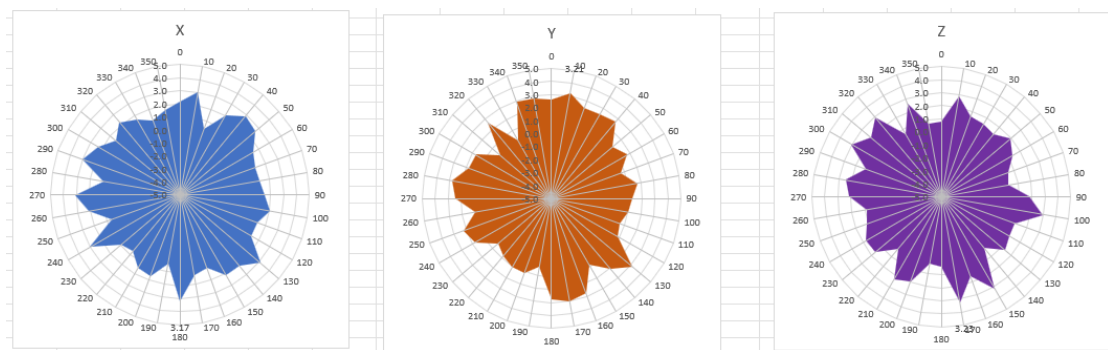


4 . Antenna Radiation Pattern

2400MHz



2450MHz



2500MHz

