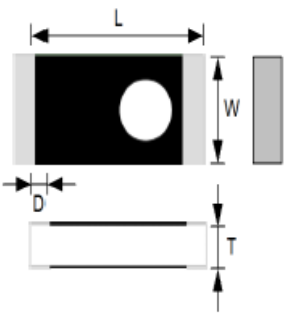


1. Antenna Description:

Antenna type	Ceramic antenna
Model	KA-1
Frequency range	2400-2500MHz
Manufacturer	Shenzhen IBD Intelligence Technology Co.,Ltd.
Address	2nd Floor, Building 2, Dexin Chang Wisdom Park, No. 23 Heping Road, Longhua Street, Longhua District, Shenzhen, China
ANT Peak Gain	2 dBi

2. Antenna Photo:

Figure	Dimensions(mm)	
	L	3.2±0.2
	W	1.6±0.2
	D	0.5±0.2
	T	0.5±0.2

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

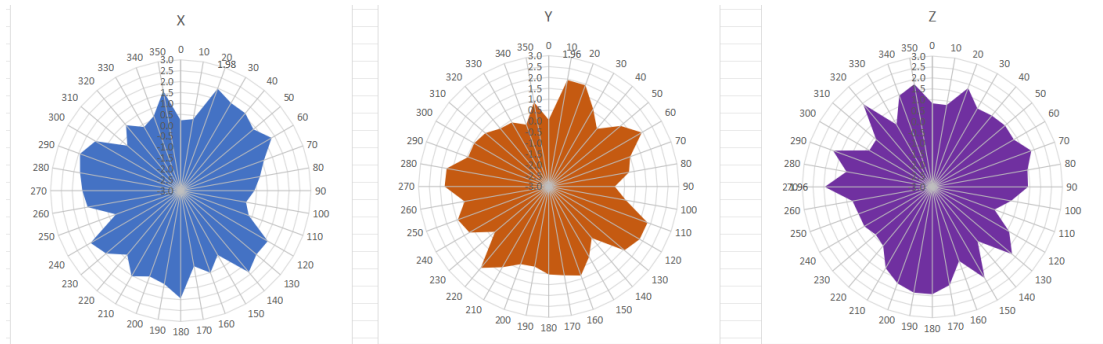
WCDMA/GSM/CDMA test equipment: Agilent 8960

Passive efficiency testing equipment: Agilent Technologies E5071B

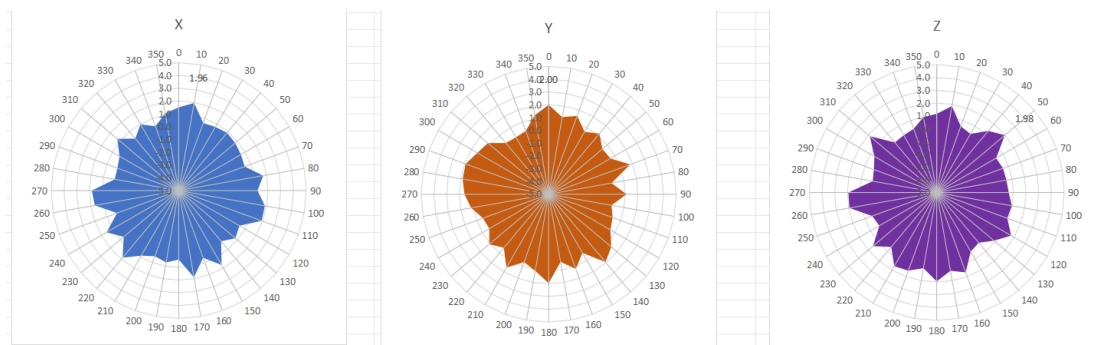


4 . Antenna Radiation Pattern

2400MHz



2450MHz



2500MHz

