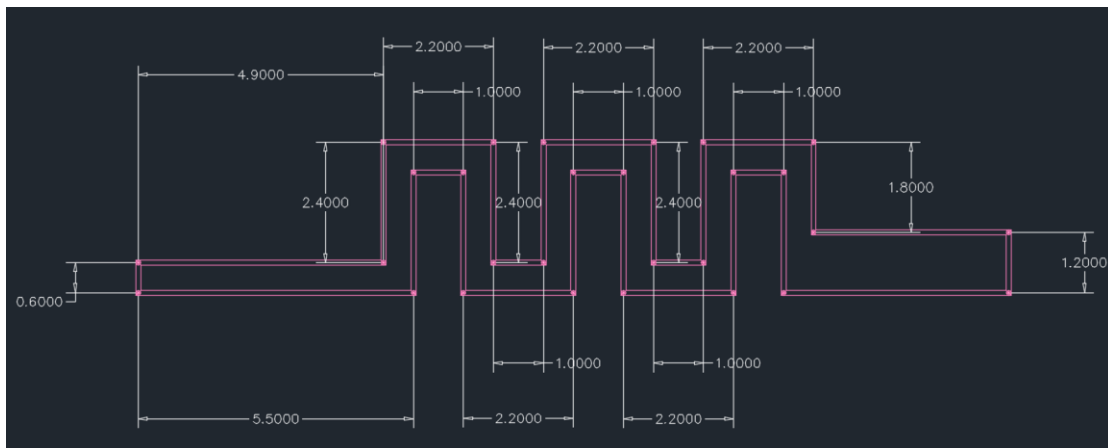


1. Antenna Description:

Antenna type	PCB antenna
Model	CK98
Frequency range	2400-2500MHz
Manufacturer	Shark Wisdom (Shenzhen) Technology Co., LTD
ANT Peak Gain	1.58 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

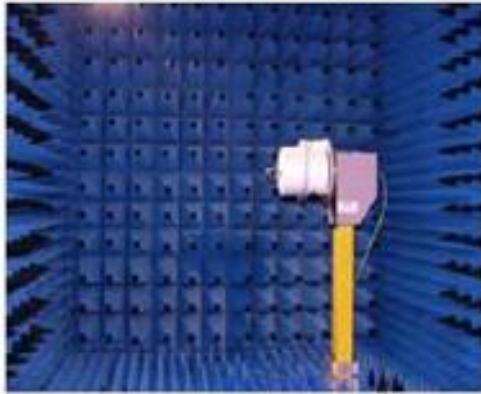
Dark room specifications: ETS-743

TD-SCDMA test equipment: StarPoint SP6010/Agilent 8960

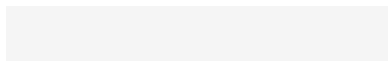
LTE-TDD/FDD-SCDMA test equipment: StarPoint SP8011/CMW500

WCDMA/GSM/CDMA test equipment: Agilent 8960

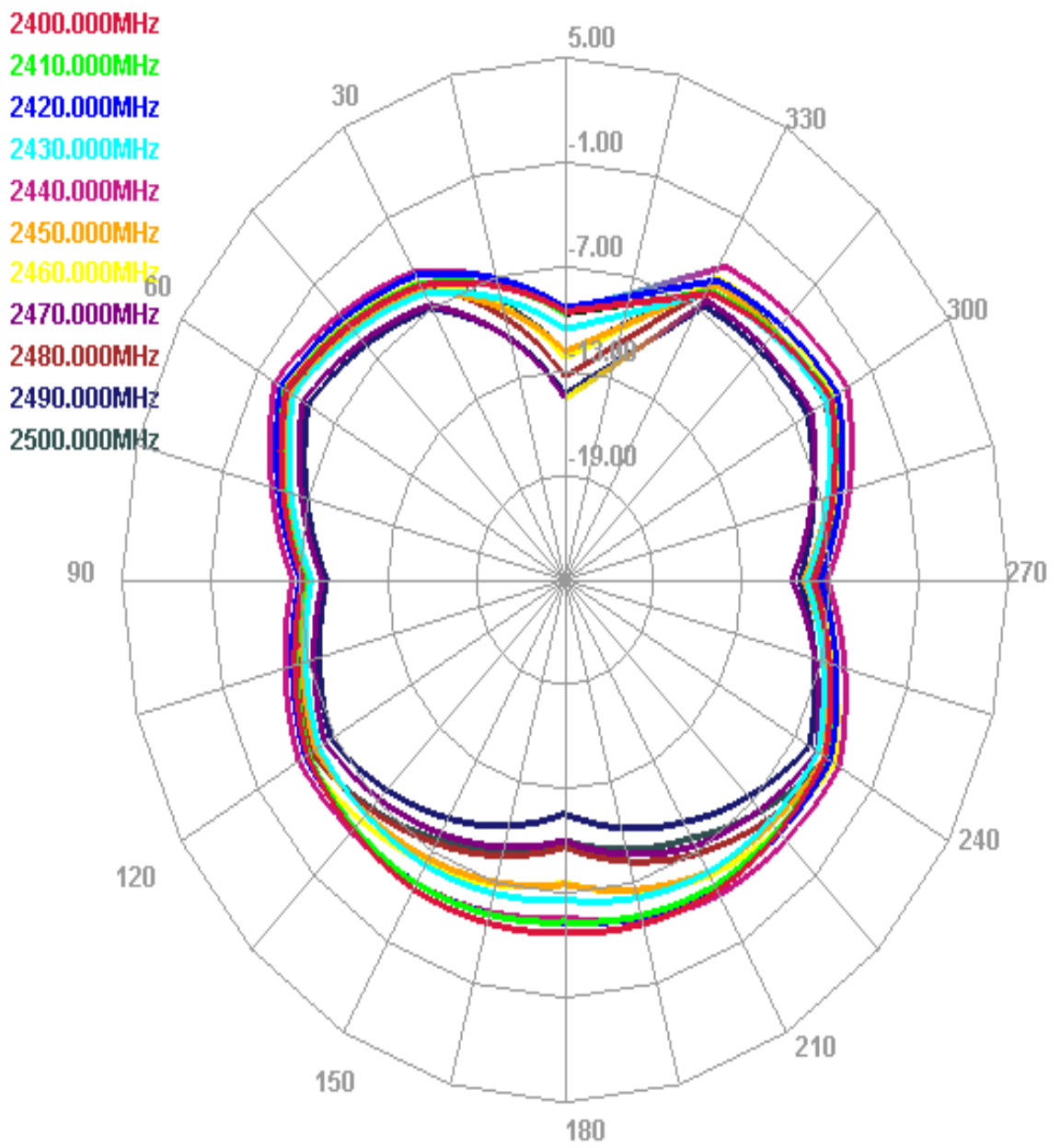
Passive efficiency testing equipment: Agilent Technologies E5071B



4 . Antenna Radiation Pattern

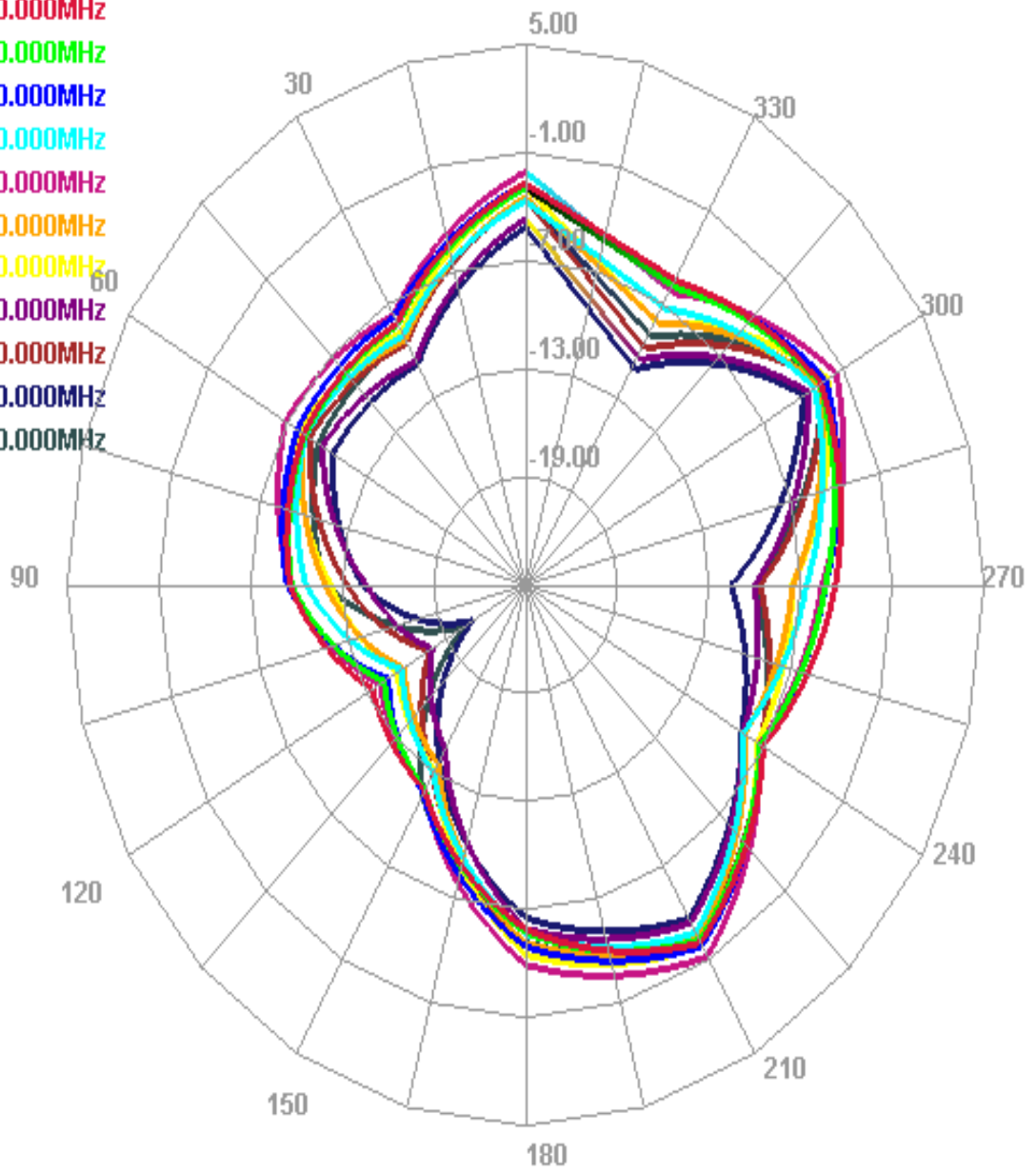


Horizontal



E1 Face

- 2400.000MHz
- 2410.000MHz
- 2420.000MHz
- 2430.000MHz
- 2440.000MHz
- 2450.000MHz
- 2460.000MHz
- 2470.000MHz
- 2480.000MHz
- 2490.000MHz
- 2500.000MHz



E1 Face

- 2400.000MHz
- 2410.000MHz
- 2420.000MHz
- 2430.000MHz
- 2440.000MHz
- 2450.000MHz
- 2460.000MHz
- 2470.000MHz
- 2480.000MHz
- 2490.000MHz
- 2500.000MHz

