

1. Antenna Description:

Antenna type	FPC Antenna
Model	ANT-FPC
Frequency range	2400-2500MHz 5150-5850MHz
Manufacturer	Comba Telecom Systems Holdings Ltd
Address	No.10 Shenzhou Road, Science City, Huangpu District, Guangzhou, Guangdong, P.R.China
ANT Peak Gain	2.4G @ 2.43 dBi 5.2G @ 2.03 dBi 5.8G @ 3.71 dBi

2. Antenna Photo:

Length :45mm
Width:7.1mm





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

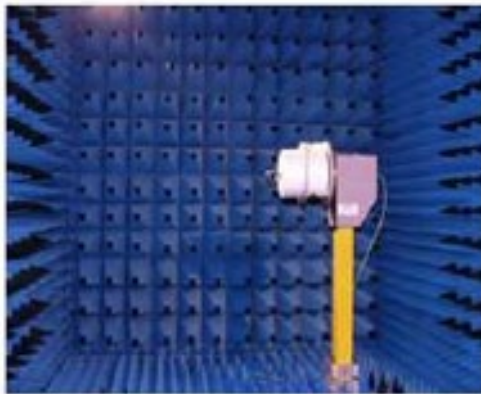
Dark room specifications: ETS-743

TD-SCDMA test equipment: StarPoint SP6010/Agilent 8960

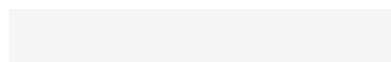
LTE-TDD/FDD-SCDMA test equipment: StarPoint SP8011/CMW500

WCDMA/GSM/CDMA test equipment: Agilent 8960

Passive efficiency testing equipment: Agilent Technologies E5071B



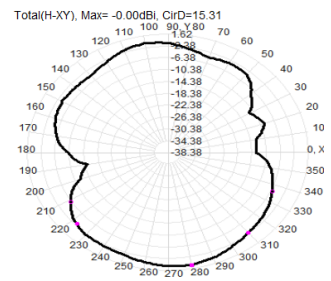
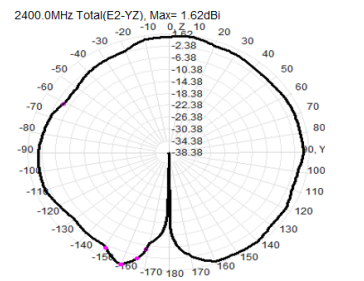
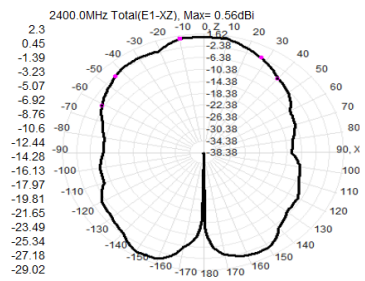
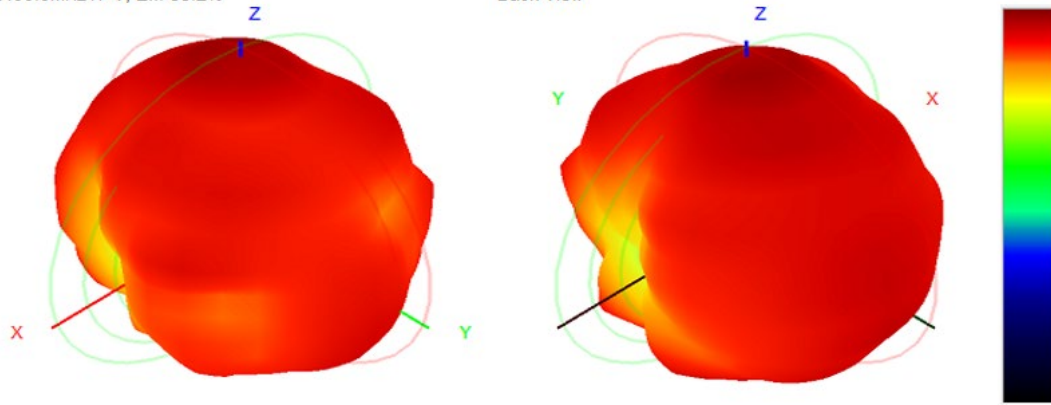
4 . Antenna Radiation Pattern



2400MHz

2400.0MHz H+V, Eff: 55.2%

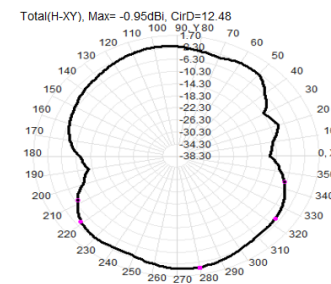
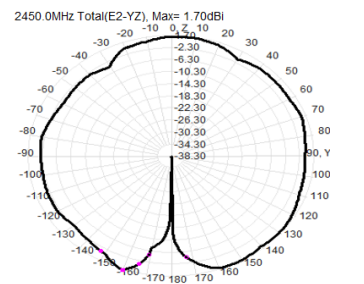
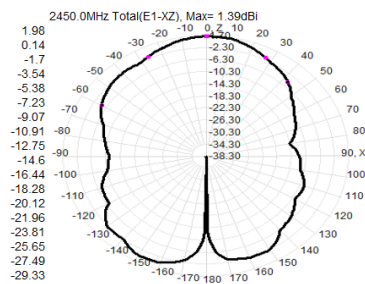
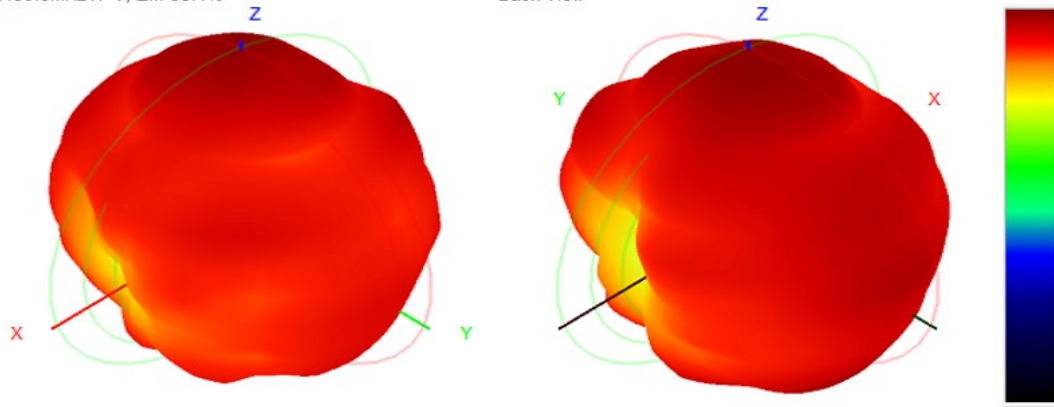
Back View



2450MHz

2450.0MHz H+V, Eff: 58.1%

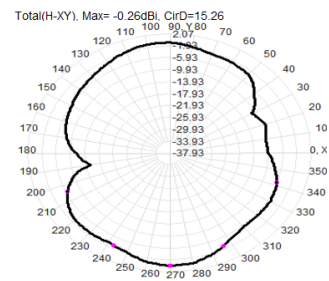
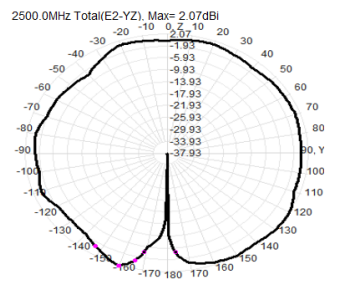
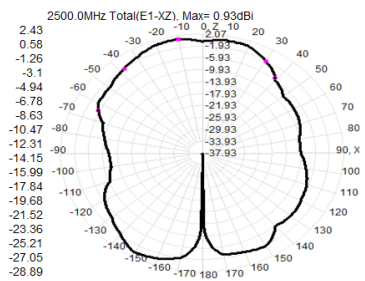
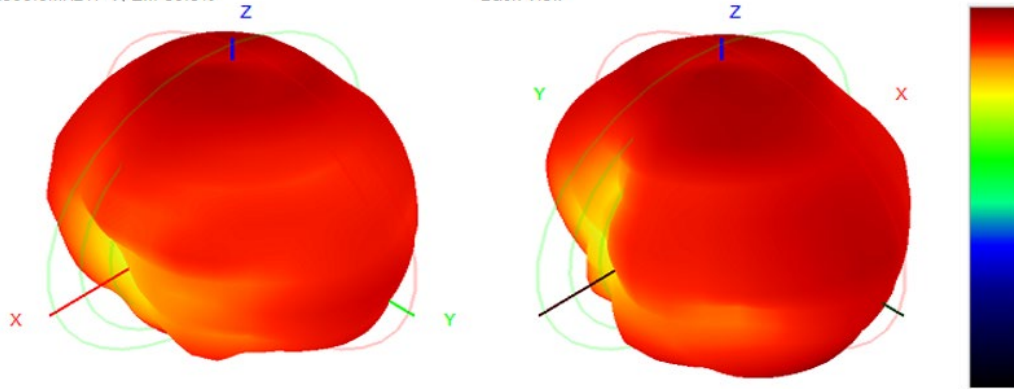
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2500MHz

2500.0MHz H+V, Eff: 60.5%

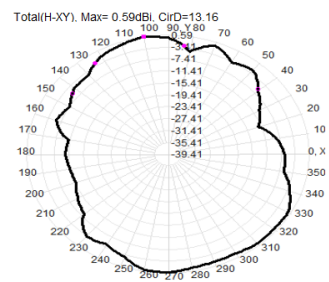
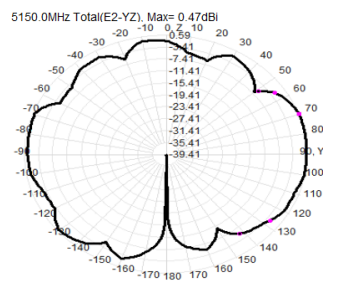
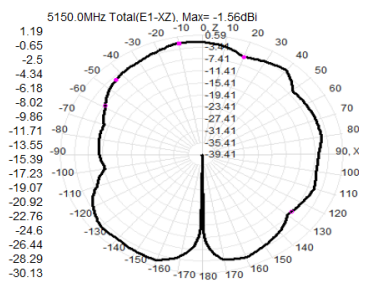
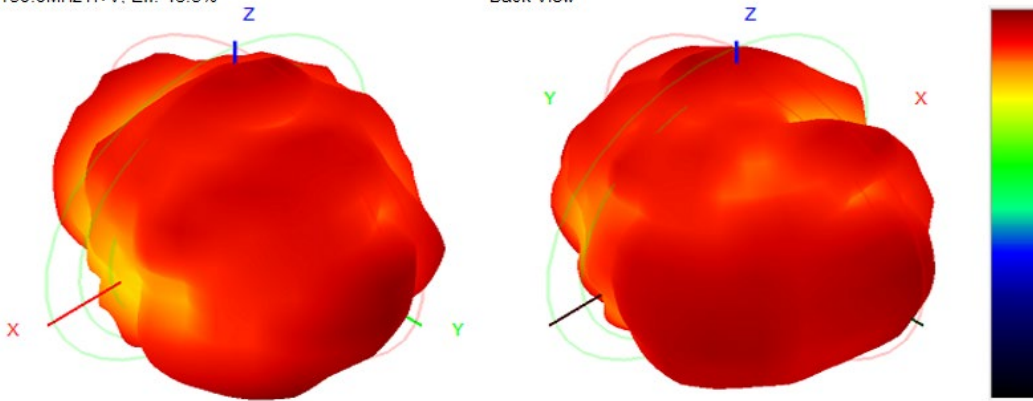
Back View



5150MHz

5150.0MHz H+V, Eff: 46.5%

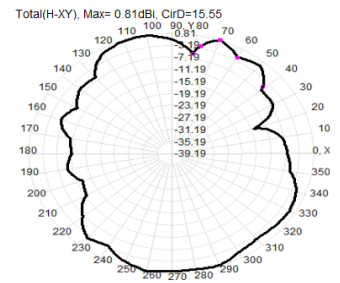
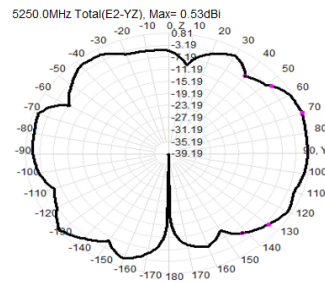
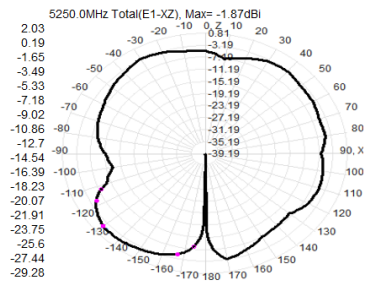
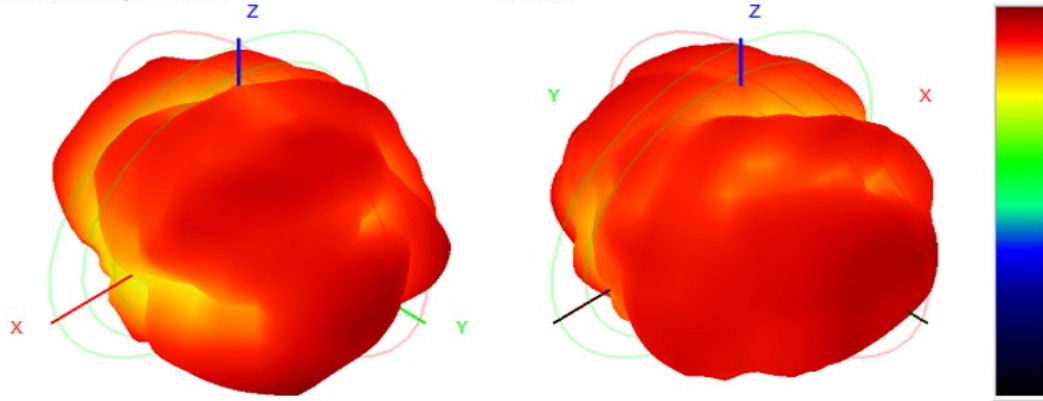
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5250MHz

5250.0MHz H+V, Eff: 47.1%

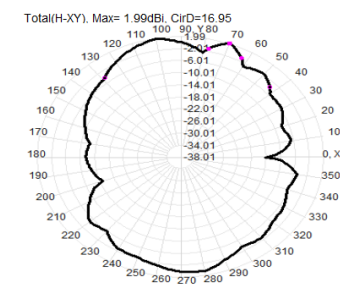
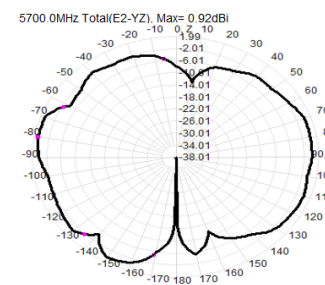
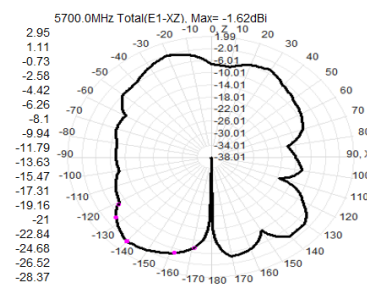
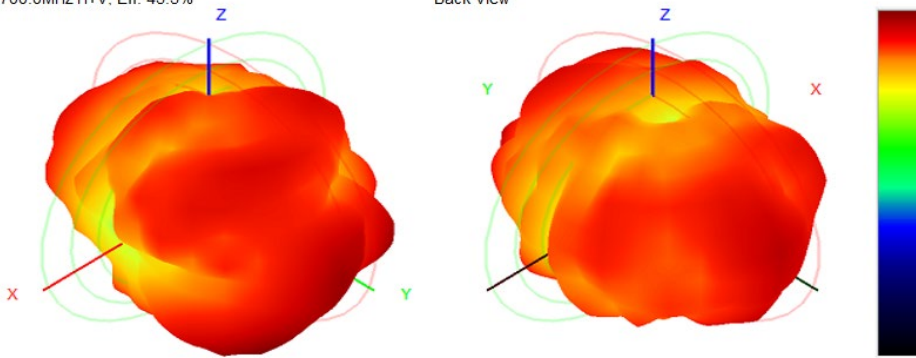
Back View



5700MHz

5700.0MHz H+V, Eff: 45.5%

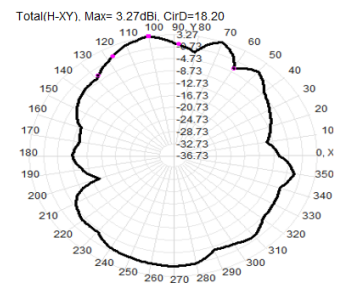
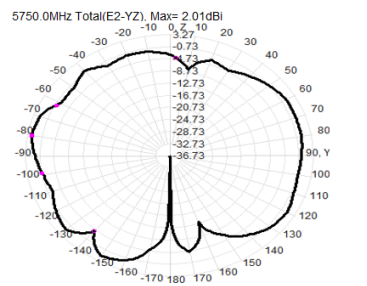
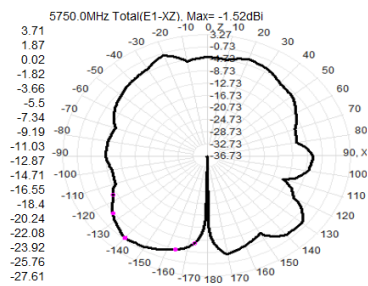
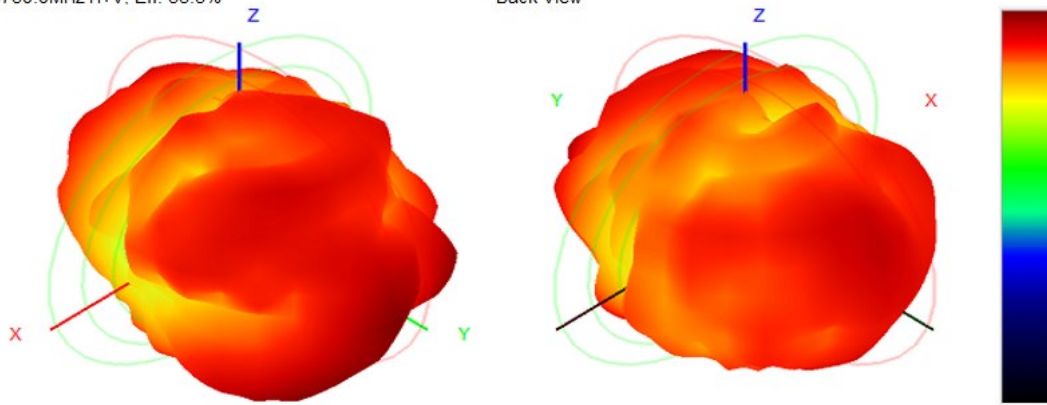
Back View



5750MHz

5750.0MHz H+V, Eff. 55.5%

Back View



5850MHz

5850.0MHz H+V, Eff. 48.8%

Back View

