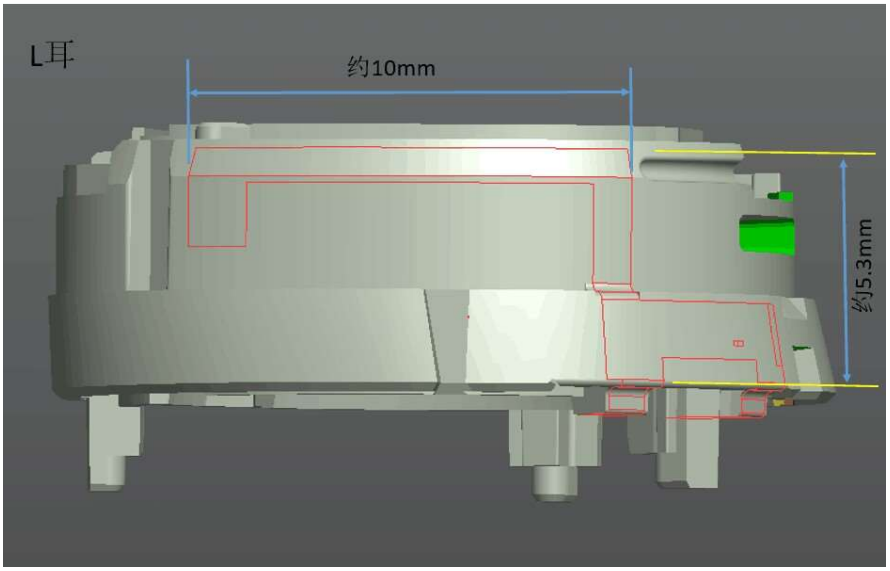
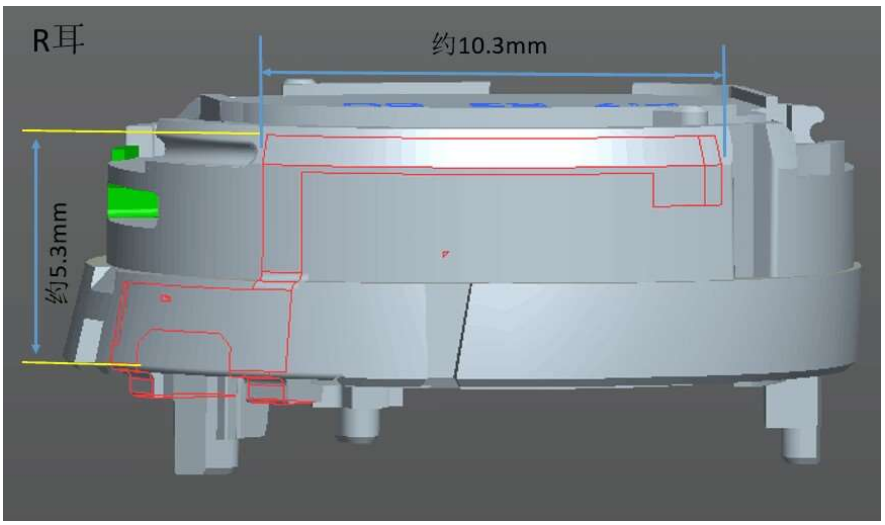
1. Antenna Description:

Antenna type	LDS
Model	BHC367
Frequency range	2400-2500MHz
Manufacturer	Shenzhen Cicent Communication Technology Co., Ltd.
Laboratory	Shenzhen Cicent Communication Technology Co., Ltd.
Address	505-506 ,ABlock,Donglian Building,Chuangye 2 road,Baoan District,Shenzhen,Guangdong,P.R china
ANT Peak Gain	L= -10.04dBi R= -10.66dBi
Antenna Description	Omnidirectional Antenna

2. Antenna Photo:





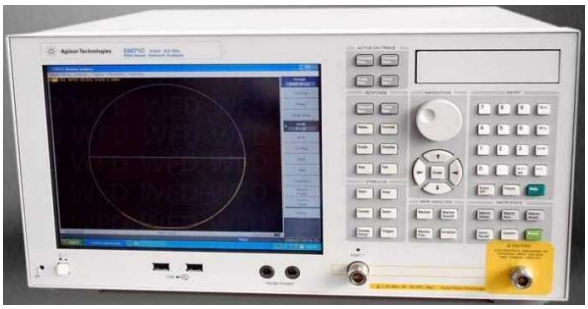
3. Test Equipment & Conditions

3.1 Test instrument

VSWR is tested using Agilent E5071C connected to a hand mechanism, and the status is free space.

3.2 Test environment and methods

SCDMA test equipment: CMW500
LTE-TDD/FDD-SCDMA test equipment: CMW500
WCDMA/GSM/CDMA test equipment: CMW500
Passive efficiency testing equipment: Agilent E5071C



4. Antenna gain

L			
Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency
2400	-10.81	-13.73	4.24
2410	-10.70	-13.53	4.43
2420	-10.54	-13.34	4.64
2430	-10.35	-13.12	4.87
2440	-10.42	-13.05	4.95
2450	-10.22	-12.87	5.17
2460	-10.04	-12.73	5.33
2470	-10.31	-12.79	5.26
2480	-10.08	-12.59	5.51
2490	-9.63	-12.40	5.76
2500	-9.84	-12.63	5.45

R			
Frequency (MHz)	Gain (dBi)	Efficiency (dB)	Efficiency
2400	-11.35	-12.95	5.06
2410	-11.41	-12.93	5.09
2420	-11.36	-12.84	5.20
2430	-11.39	-12.85	5.19
2440	-11.47	-12.88	5.15
2450	-11.27	-12.82	5.22
2460	-11.34	-12.84	5.20
2470	-10.87	-12.62	5.47
2480	-10.66	-12.51	5.61
2490	-10.98	-12.66	5.43
2500	-11.02	-12.68	5.40

5．Antenna Radiation Pattern

L

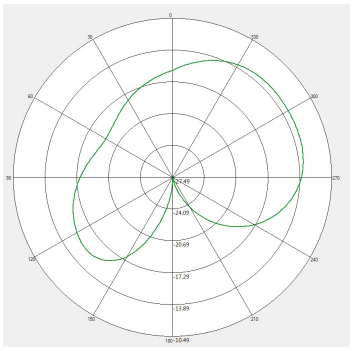
(unit:dBi)

(unit:dBi)

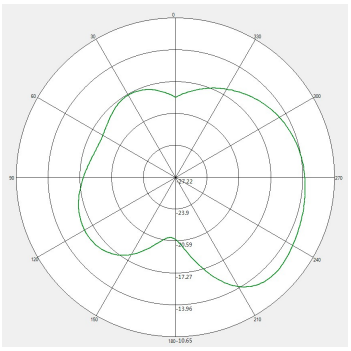
(unit:dBi)

2400MHz

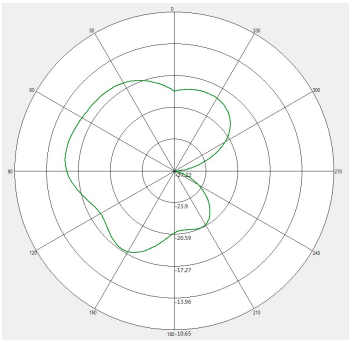
Theta=90°(dBi)



Phi=90°(dBi)

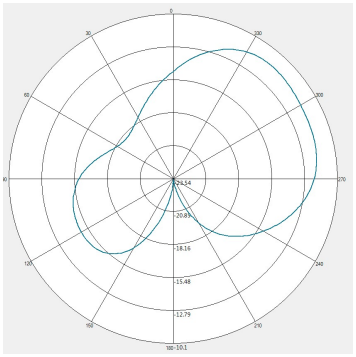


Phi=0°(dBi)

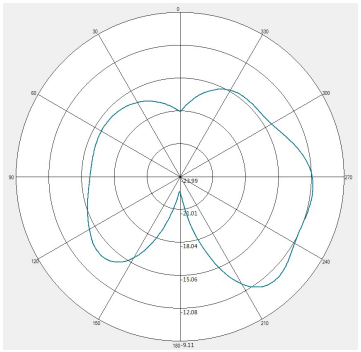


2450MHz

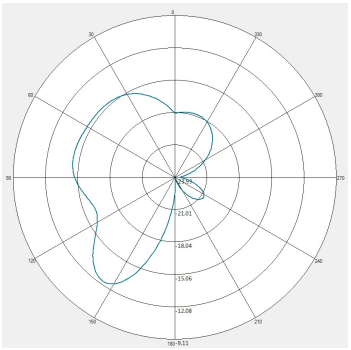
Theta=90°(dBi)



Phi=90°(dBi)

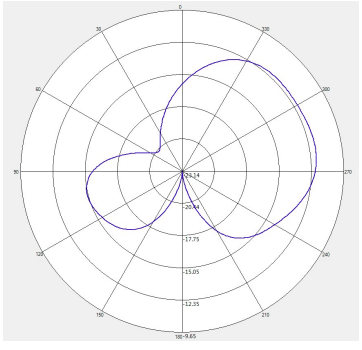


Phi=0°(dBi)

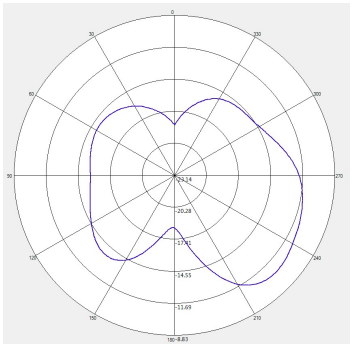


2500MHz

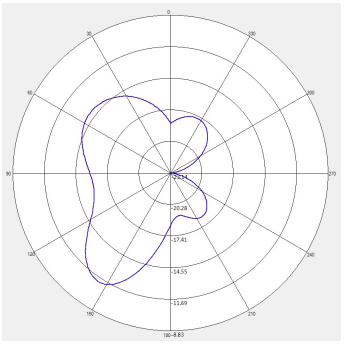
Theta=90°(dBi)



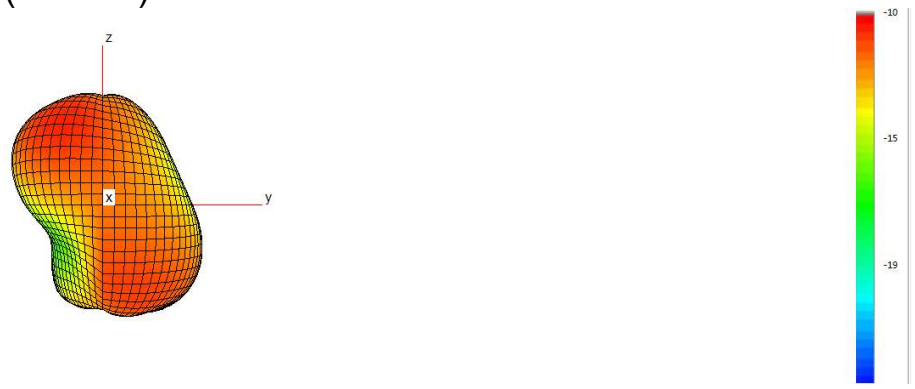
Phi=90°(dBi)



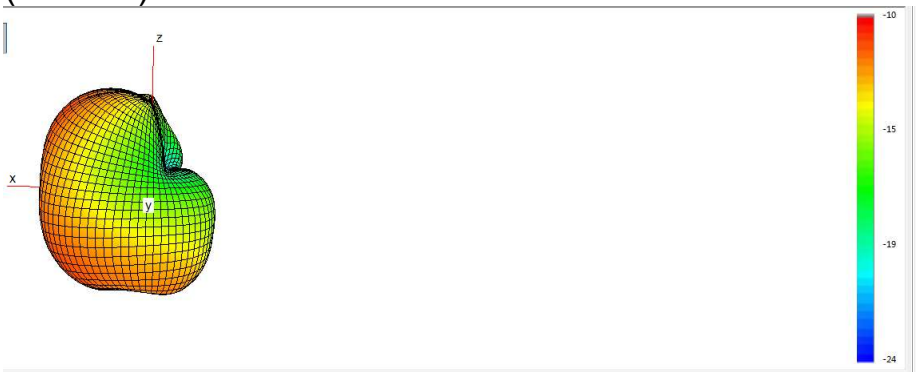
Phi=0°(dBi)



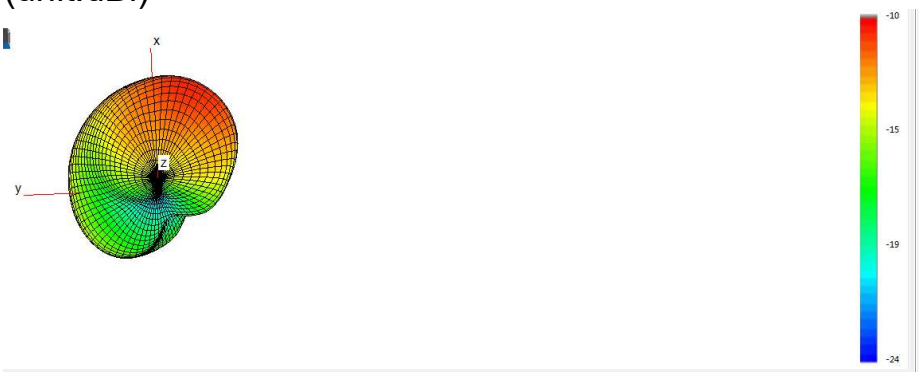
R
(unit:dBi)



(unit:dBi)

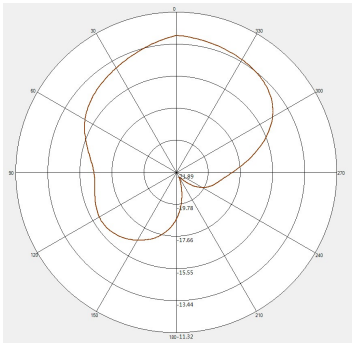


(unit:dBi)

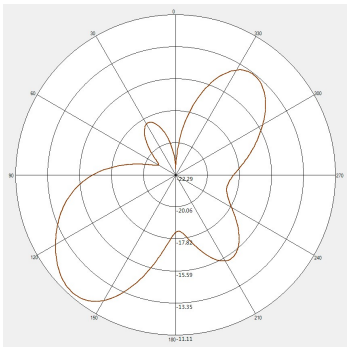


2400MHz

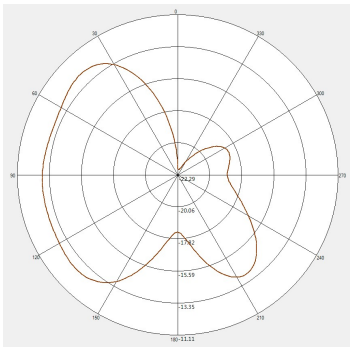
Theta=90°(dBi)



Phi=90°(dBi)

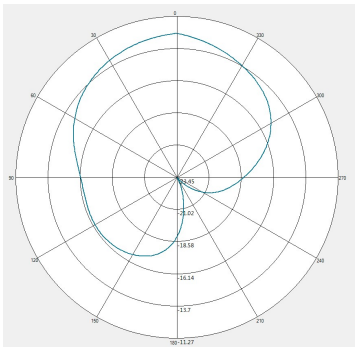


Phi=0°(dBi)

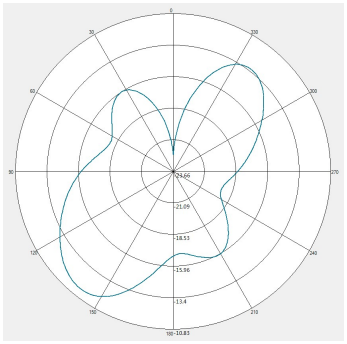


2450MHz

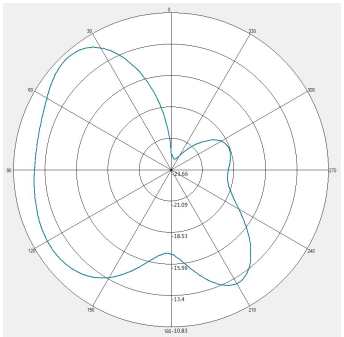
Theta=90°(dBi)



Phi=90°(dBi)

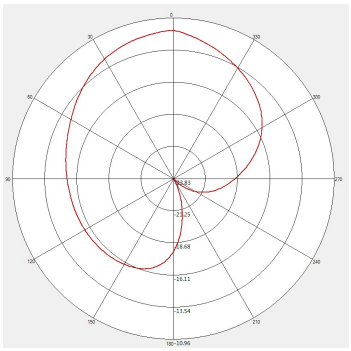


Phi=0°(dBi)

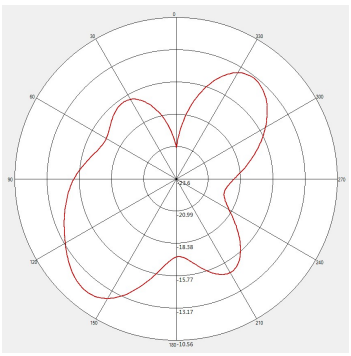


2500MHz

Theta=90°(dBi)



Phi=90°(dBi)



Phi=0°(dBi)