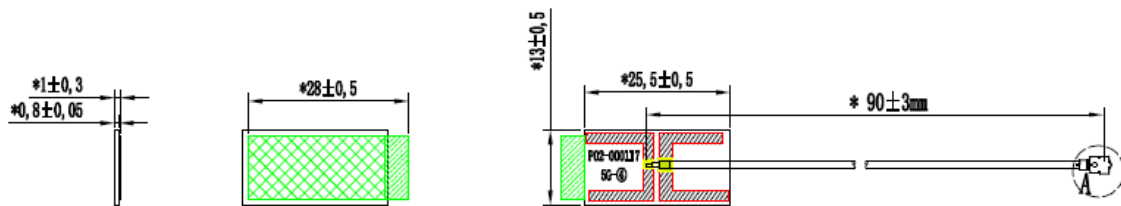


Antenna Specification

1. Antenna Describe

Antenna Manufacturer	Shenzhen Free Walk Communication Technology Co. LTD
Antenna Address	3F, Building 2, Hezhou West Industrial Park, Bao'an West Township, Shenzhen
Antenna Model	WLS299
Antenna Type	Internal Antenna
Antenna Gain	4.44dBi Max
Frequency Rang	5150-5850MHz
VSWR	≤ 2
Input Impedance	50 Ω

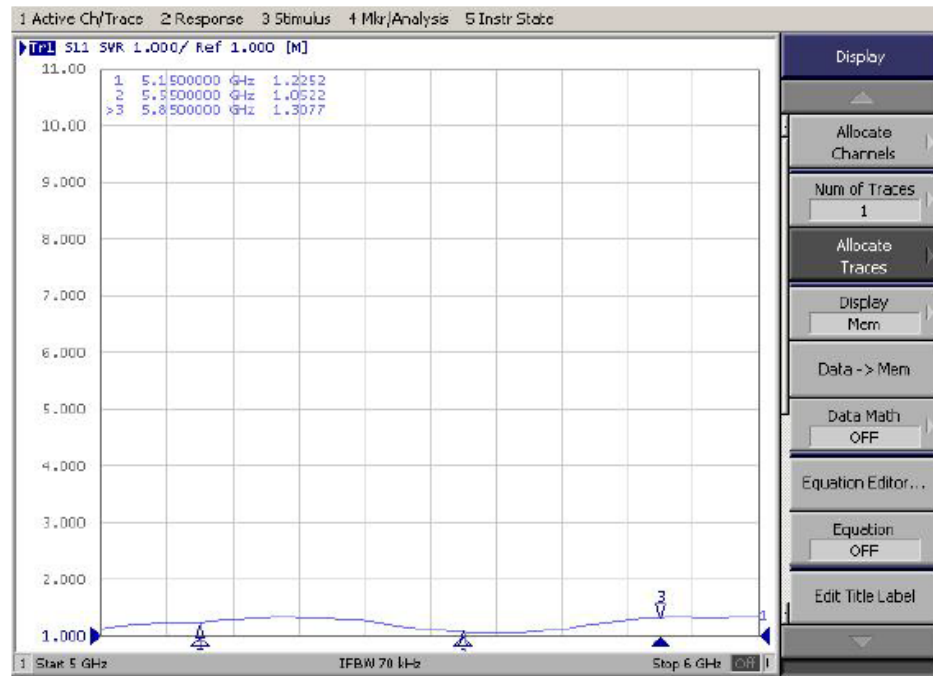
2. External View Drawing



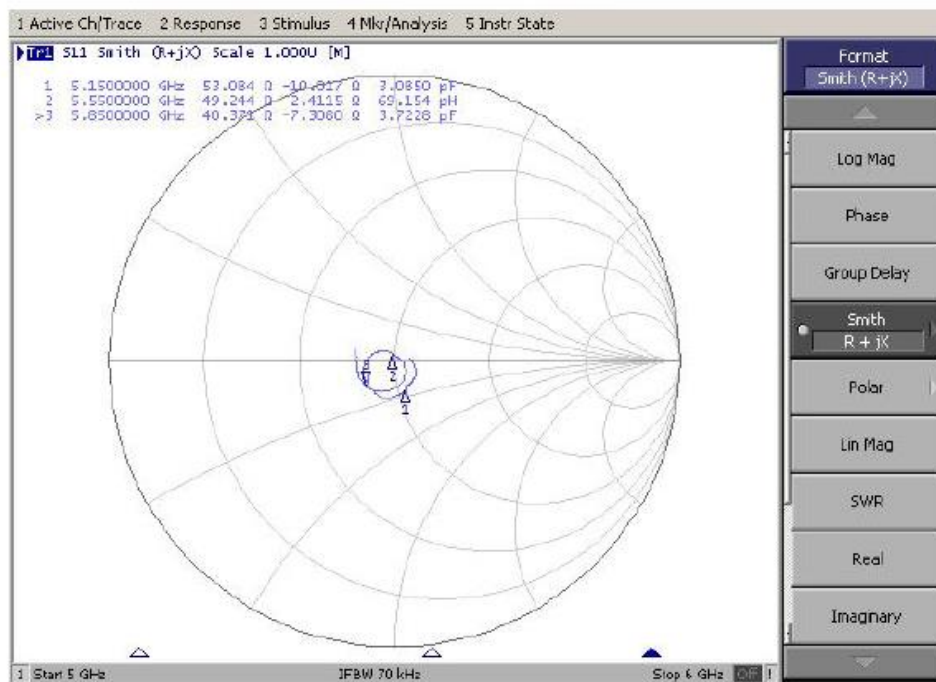
3. Measurement Result

3.1 Antenna performance test diagram

SWR



Smith

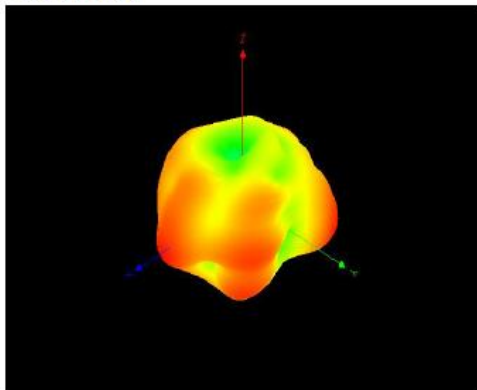


3.2 Antenna test data

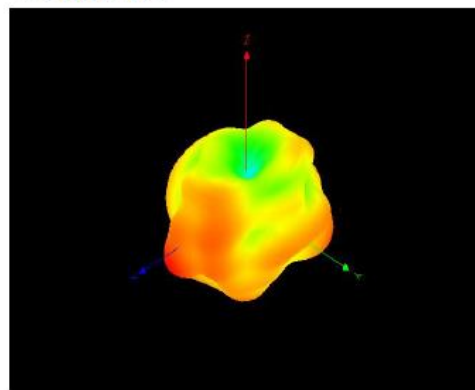
Frequency (MHz)	Efficiency (%)	Gain (dBi)
5150	69.78	3.48
5200	70.96	3.52
5250	70.11	3.84
5300	68.29	3.19
5350	69.78	3.18
5400	74.80	3.47
5450	73.21	3.45
5500	70.28	3.53
5550	72.34	4.34
5600	73.21	4.63
5650	70.79	4.43
5700	69.11	4.33
5750	70.45	3.70
5800	66.82	4.44
5850	67.31	4.06

3.3 Antenna test diagram

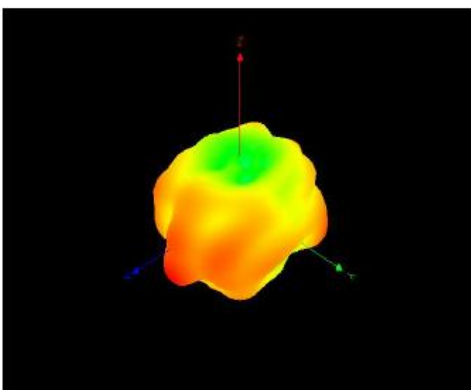
5150MHz



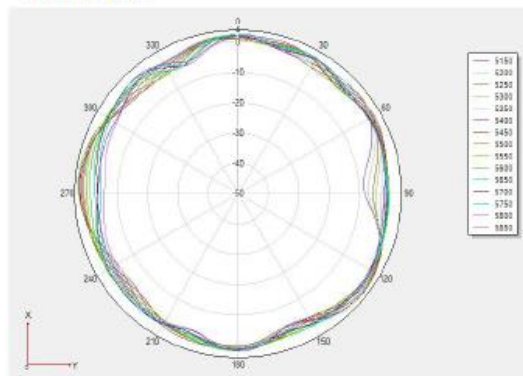
5550MHz



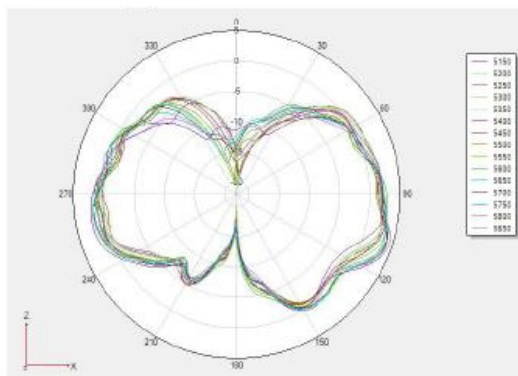
5850MHz



XOY



ZOX



ZOY

