

Ant spec

Antenna manufacturer address 8F, 3-1, YuanQu St., NanKang, Taipei 115, Taiwan

Antenna model: Ant 1, Ant2, Ant3, Ant4, Ant5, Ant6

SERCOM

Meraki AXL Rose Antenna Test Report

Date : Apr. 26, 2019

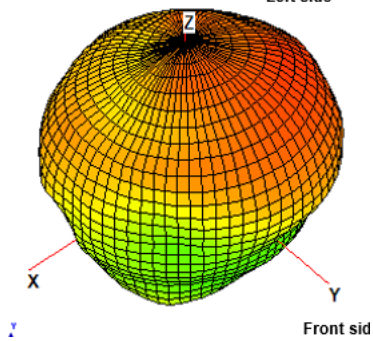
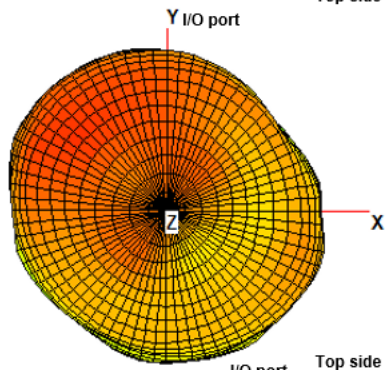
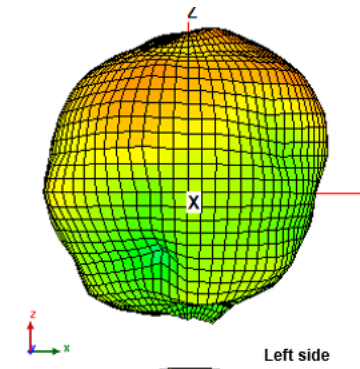
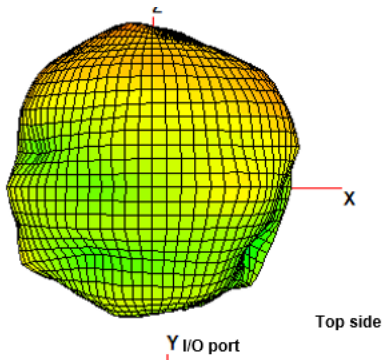
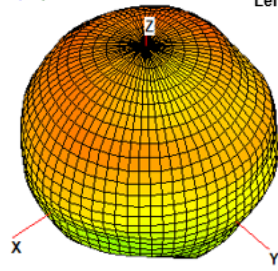
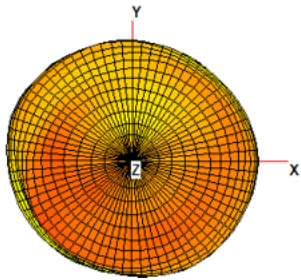
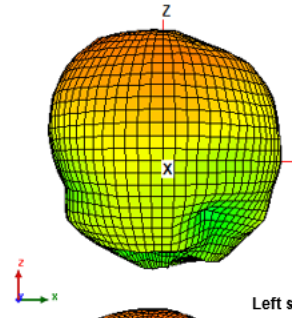
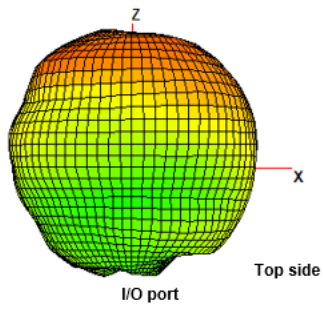
Prepared by : Tony Duan / Jerry Liu

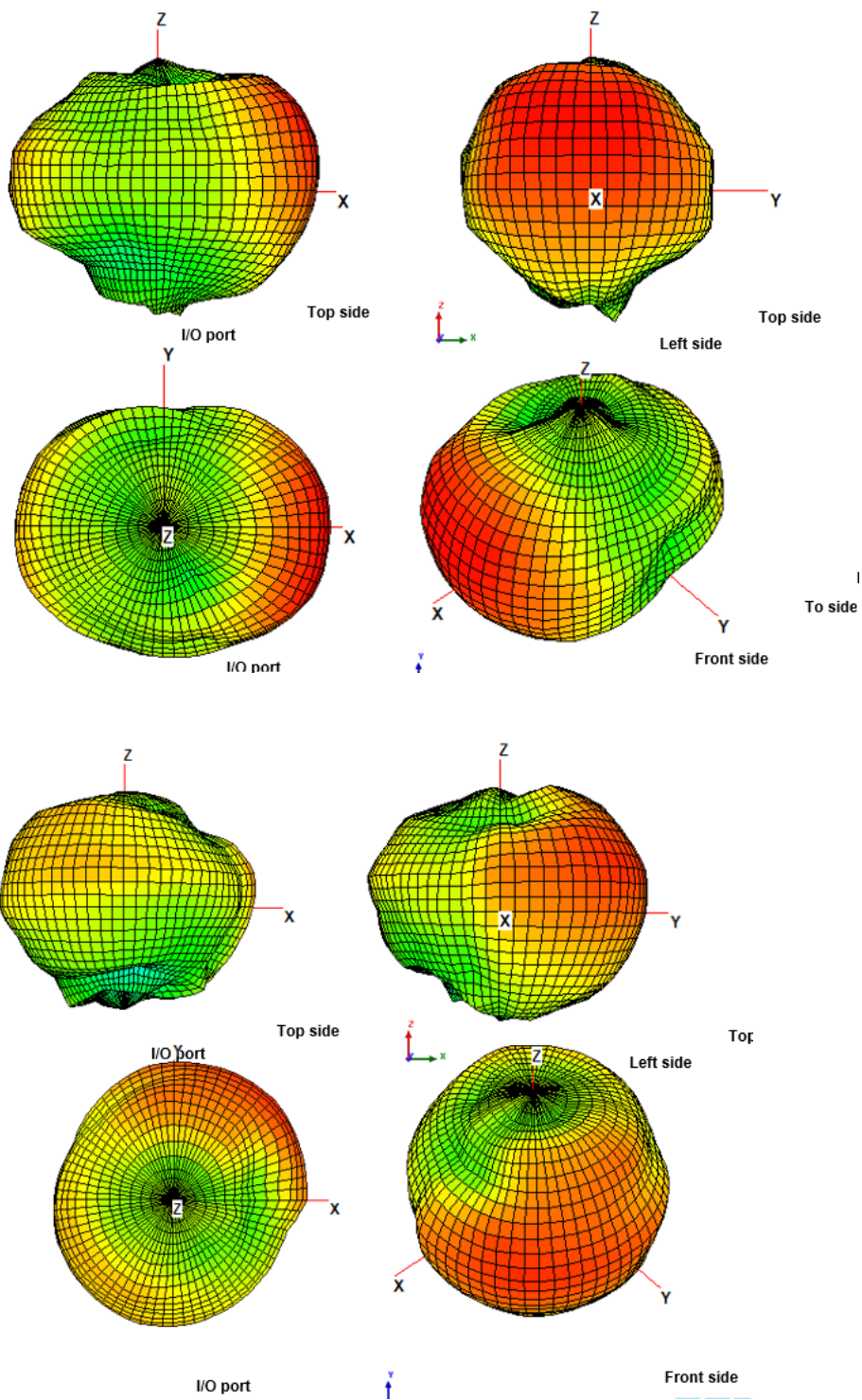


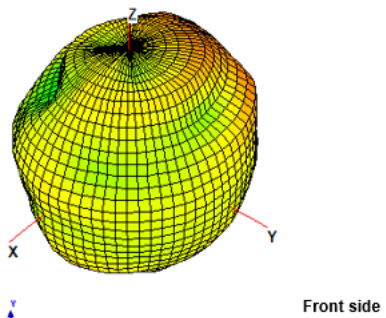
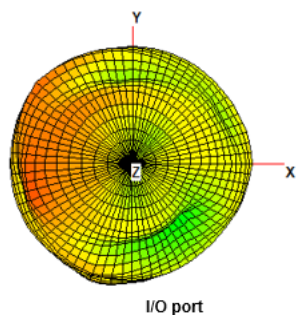
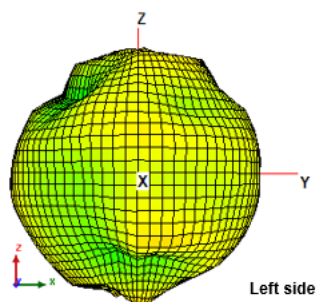
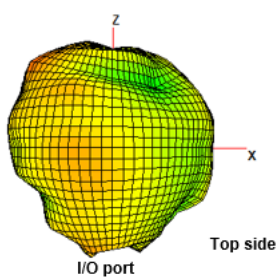
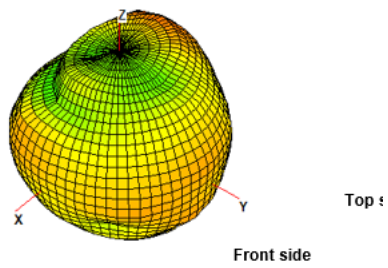
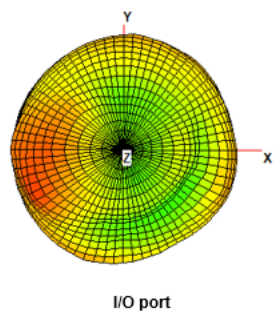
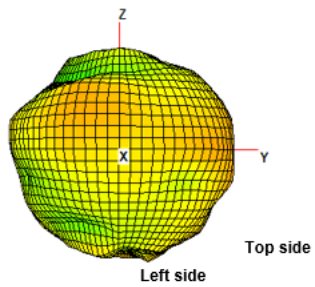
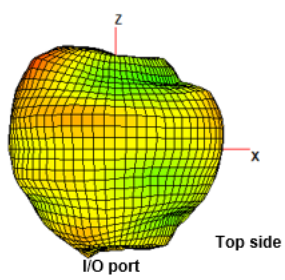
Antenna Specifications

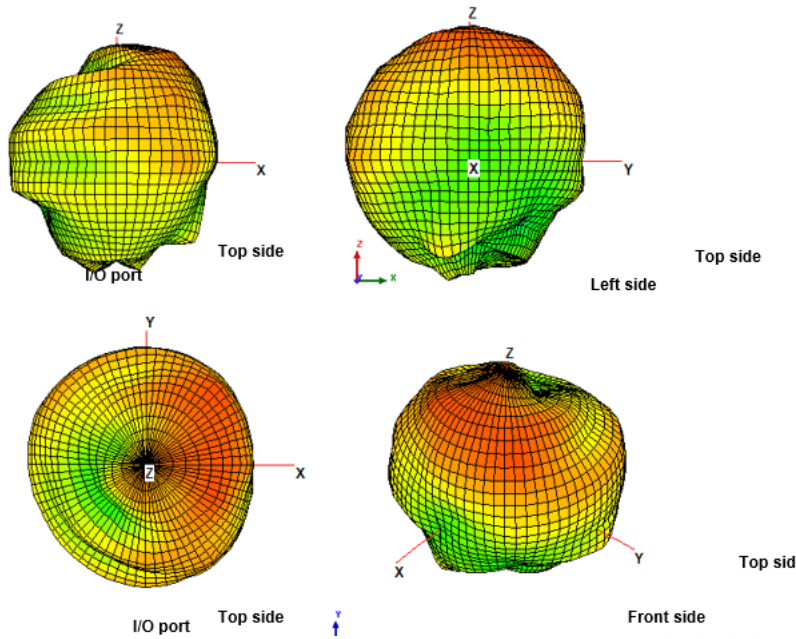
Antenna Design

- Antenna Structure & Placement
- Return Loss & Isolation
- Radiation Pattern
- Peak Gain & Efficiency
- Antenna type: PIFA









Peak Gain & Efficiency

WiFi 2G Antenna Performance				
Freq. (MHz)	2G1		2G2	
	Efficiency (%)	Peak Gain (dBi)	Efficiency (%)	Peak Gain (dBi)
2400	77.26	4.06	71.31	4.60
2450	77.64	4.19	73.95	4.52
2500	70.50	4.22	71.58	4.68

WiFi 5G Antenna Performance				
Freq. (MHz)	5G1		5G2	
	Efficiency (%)	Peak Gain (dBi)	Efficiency (%)	Peak Gain (dBi)
5150	82.79	4.67	85.68	4.91
5500	82.25	5.29	80.16	4.98
5850	83.83	4.77	85.62	4.90

Scanning Antenna Performance		
Freq. (MHz)	Efficiency (%)	Peak Gain (dBi)
2400	71.65	2.81
2450	75.06	2.77
2500	74.57	3.02
5150	80.95	3.06
5500	83.26	2.57
5850	81.73	2.38

BT Antenna Performance		
Freq. (MHz)	Efficiency (%)	Peak Gain (dBi)
2400	70.60	2.84
2450	74.40	2.91
2500	76.23	2.69