

Walnut Technology Corporation

233 Nahanton St Newton, MA 02459

Model CHB001

Antenna Type Passive Antenna

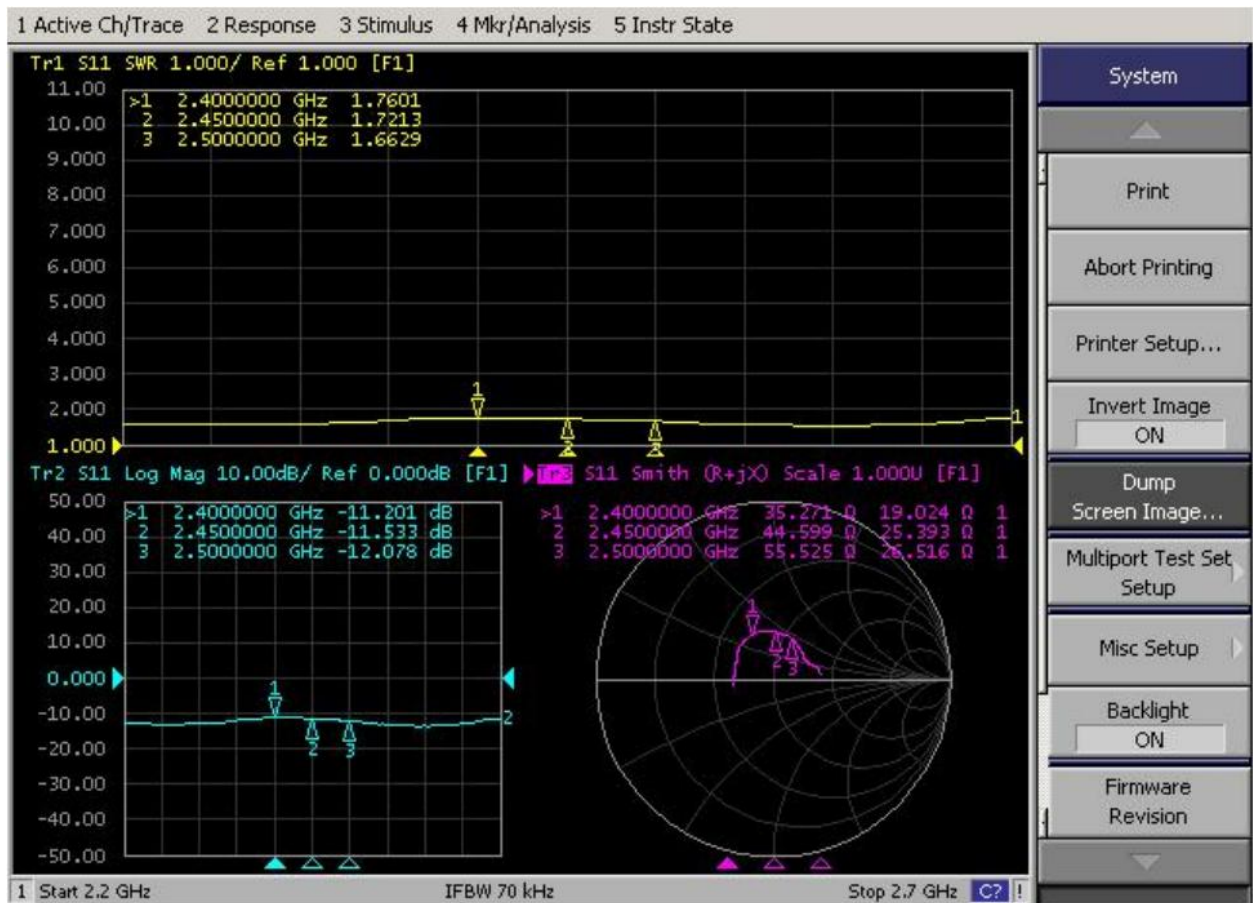
Antenna PCB Antenna

1. ANT0 2.4GHz WIFI

- Free Space, Product placement method

(Refer to test setup photo)

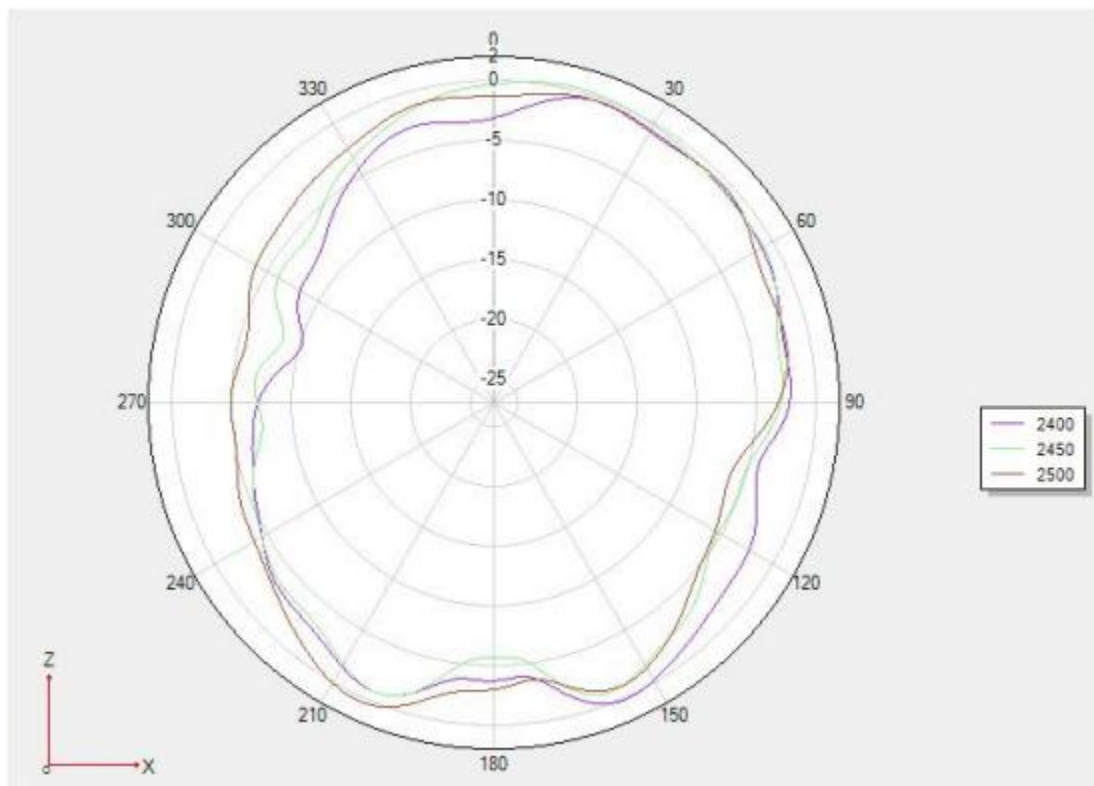
- S11

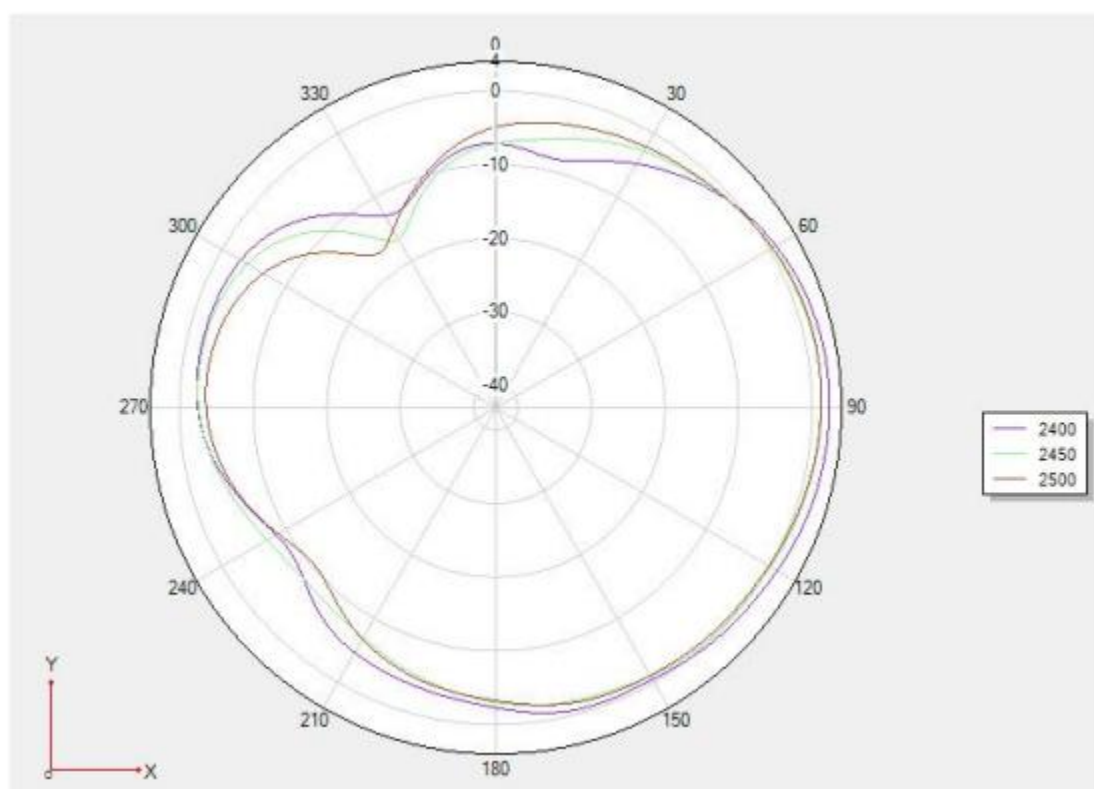
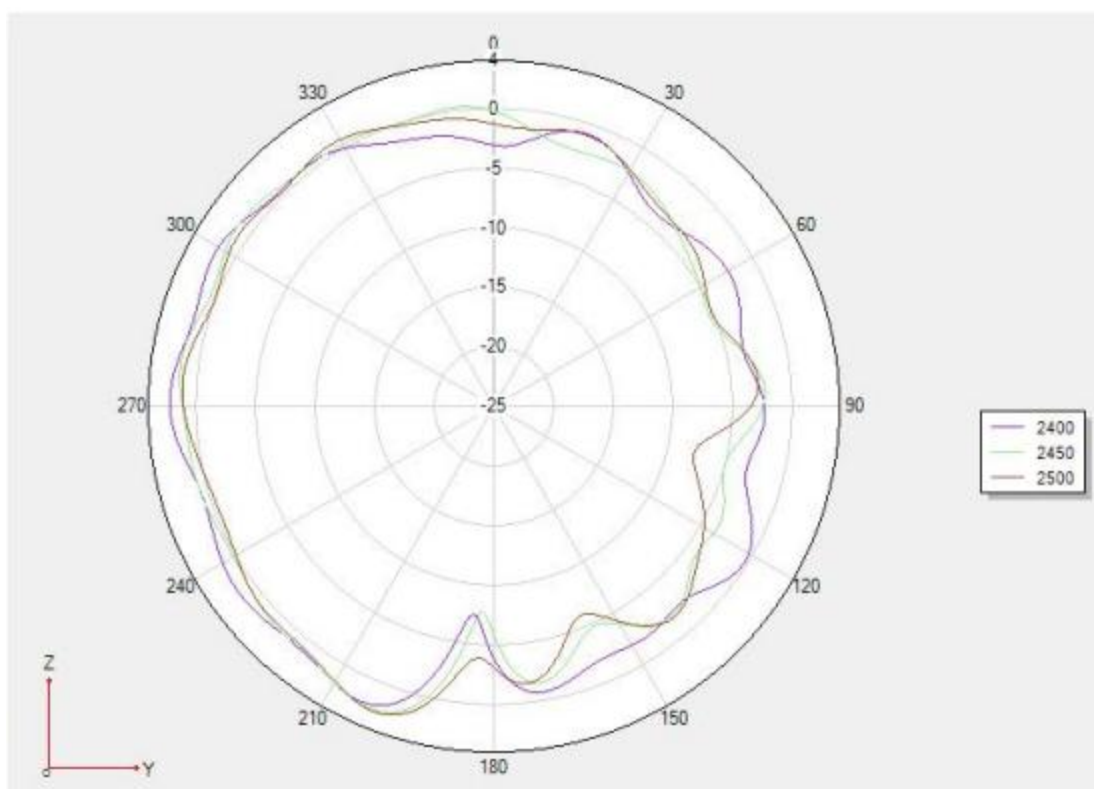


- Efficiency Performance

Frequency / MHz	Efficiency / %	Gain / dBi
2400	42.76	2.27
2410	45.29	2.28
2420	44.67	2.15
2430	42.56	2.17
2440	46.24	2.68
2450	44.36	2.42
2460	47.42	2.72
2470	44.77	2.48
2480	49.32	2.06
2490	45.29	2.44
2500	48.42	2.59

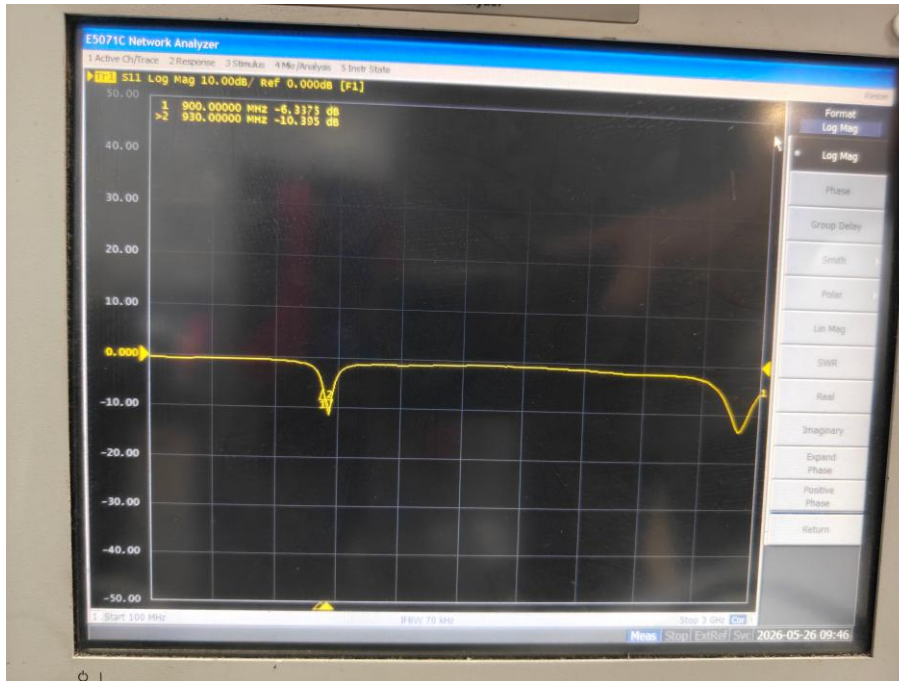
- 2D Field Pattern Diagram





2. ANT1 900 MHz ISM

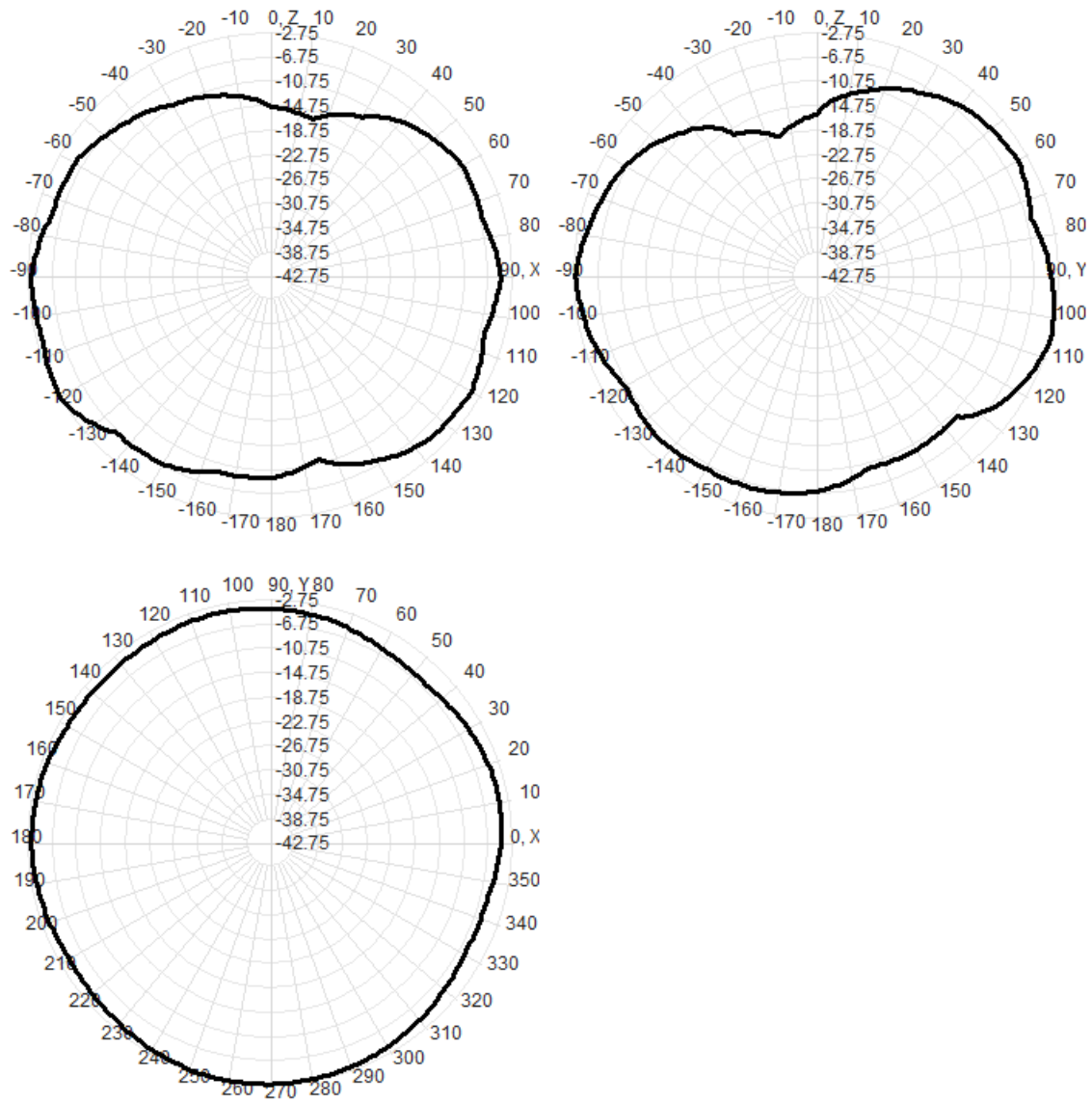
- Free Space, Product Placement Method
- S11



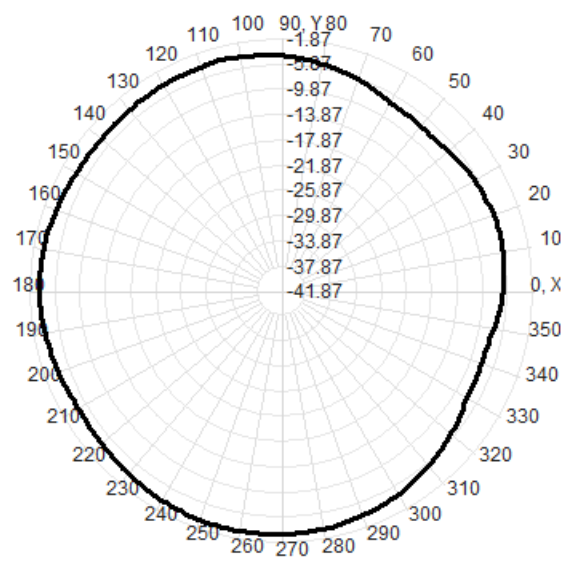
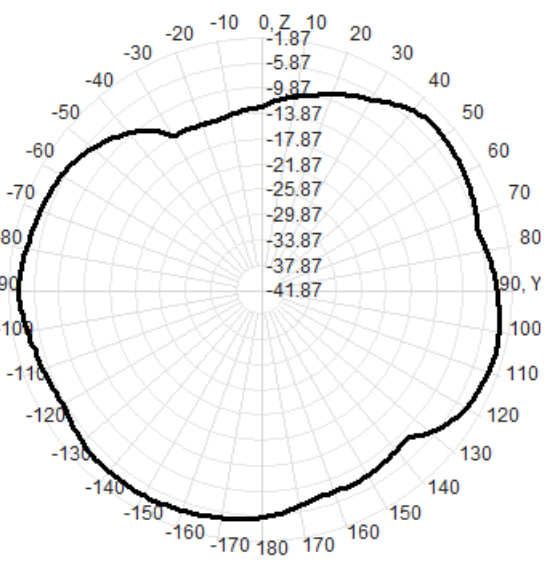
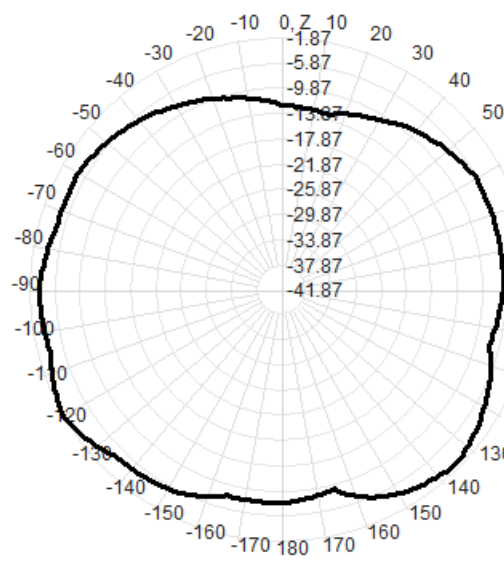
- Efficiency Performance

Frequency / MHz	Efficiency / %	Gain / dBi
900	26.12	-2.55
905	24.55	-2.93
910	27.72	-2.28
915	31.16	-1.69
920	29.17	-1.69
925	28.80	-1.25
930	30.33	-0.52

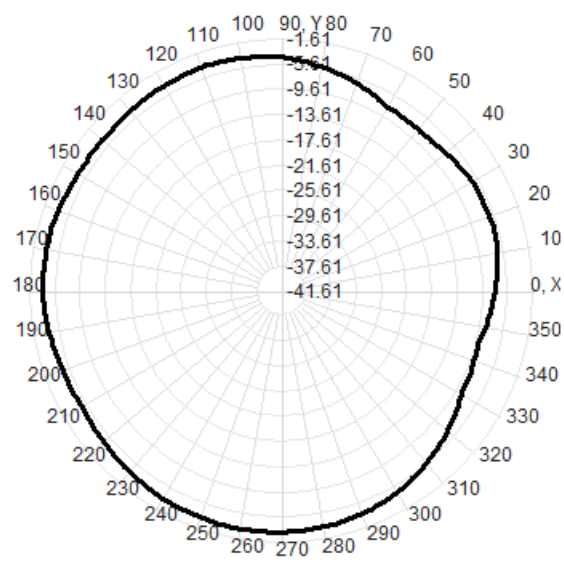
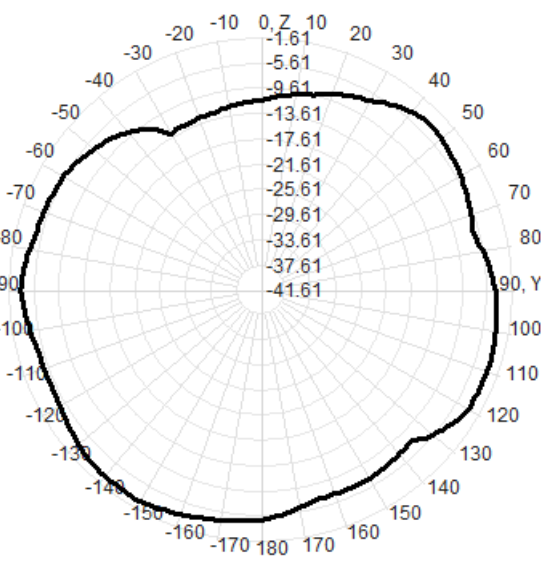
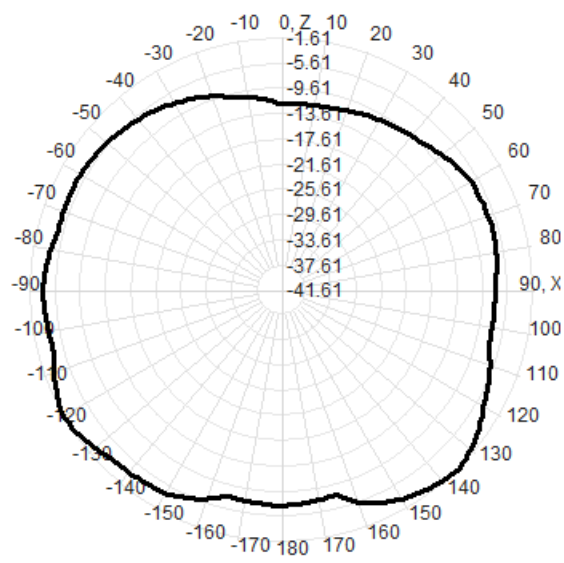
- 2D Field Pattern Diagram
 - 1.900MHz



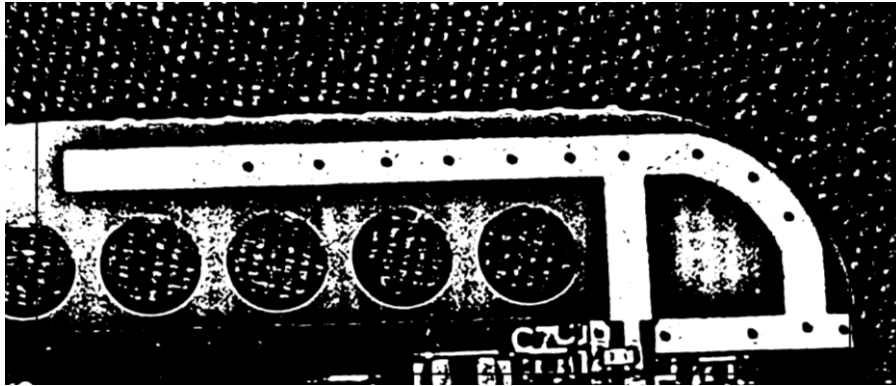
○ 2.920MHz



○ 3.930MHz



2.4G WiFi ANT



900M ANT

