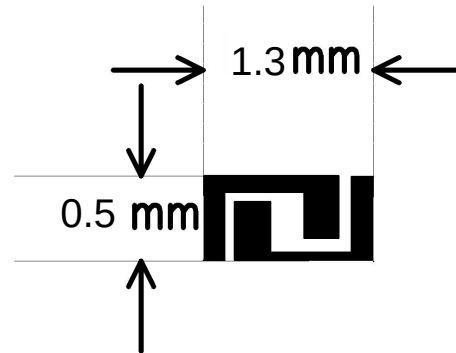


**Shenzhen Yongcheng International
Technology Co., Ltd.**

Antenna test report

			RCX		2025. 08. 18
RF Engineer	Wang Jiaxi	Structural engineer	Zhou Lei	Frequency band	2402~2480MHz

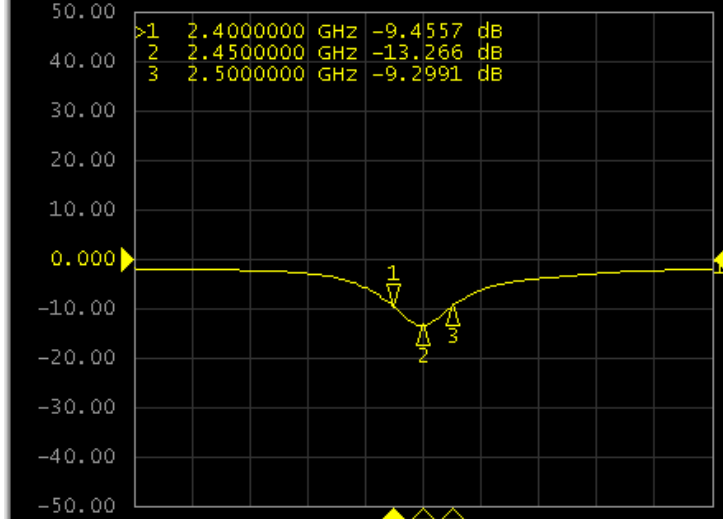


E5071C Network Analyzer

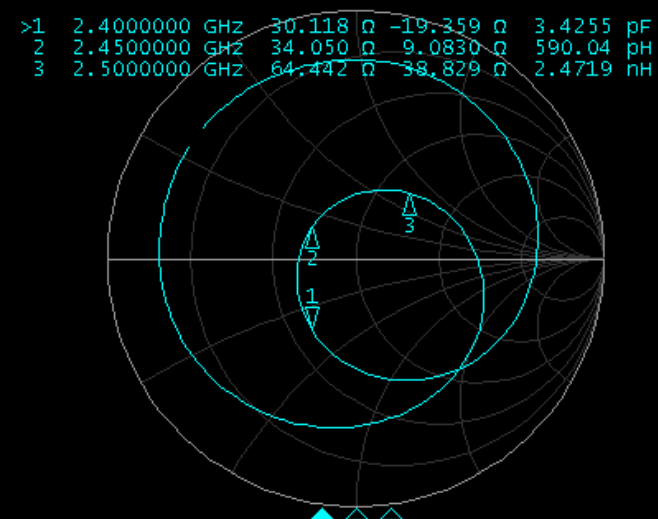
1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State

Resize

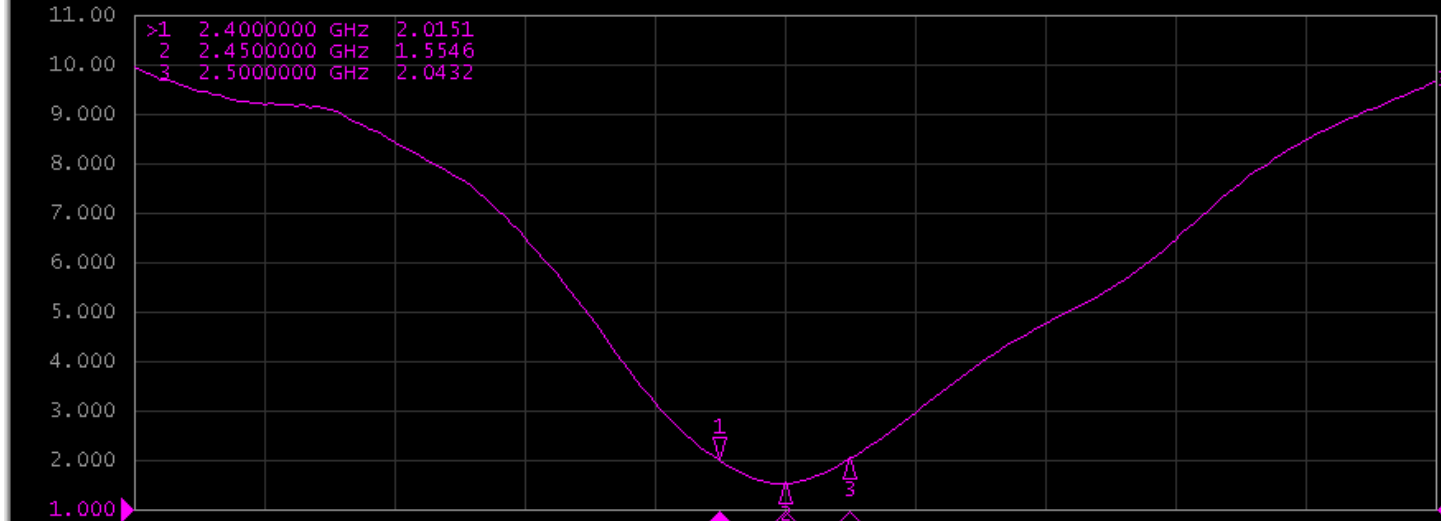
Tr1 S11 Log Mag 10.00dB/ Ref 0.000dB [F1]



Tr2 S11 Smith (R+jX) Scale 1.000U [F1]



Tr3 S11 SWR 1.000/ Ref 1.000 [F1]



Format

SWR

Log Mag

Phase

Group Delay

Smith

Polar

Lin Mag

SWR

Real

Imaginary

Expand
Phase

Positive
Phase

Return

1 Center 2.45 GHz

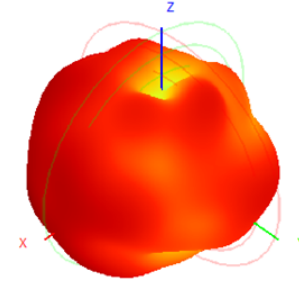
IFBW 70 kHz

Span 1 GHz Cor

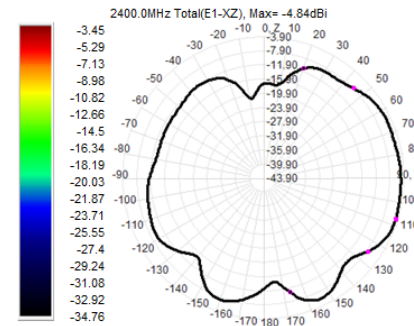
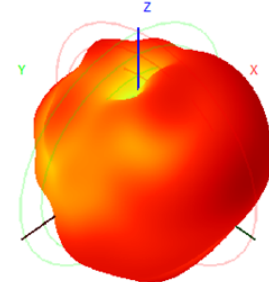
VER7

[illegible]

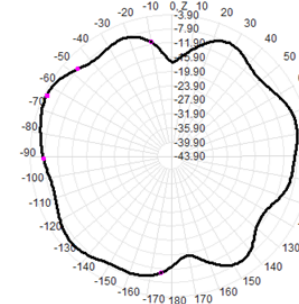
2400.0MHz H+V, Eff: 14.4%



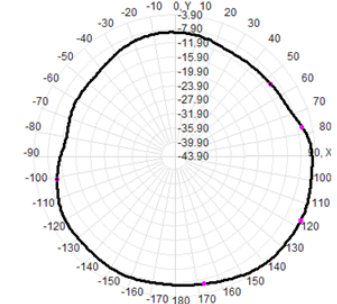
Back View



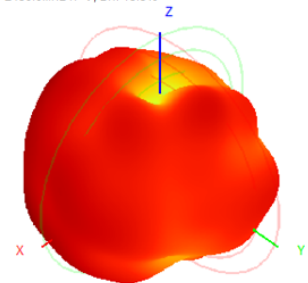
2400.0MHz Total(E2-YZ), Max=-4.73dBi



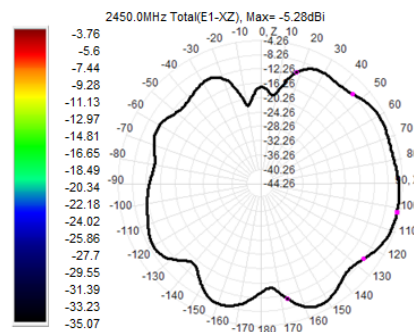
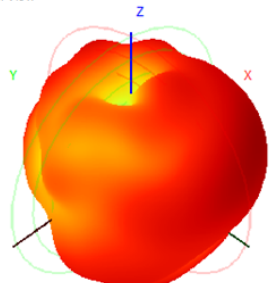
Total(H-XY), Max=-3.90dBi, CirD=8.87



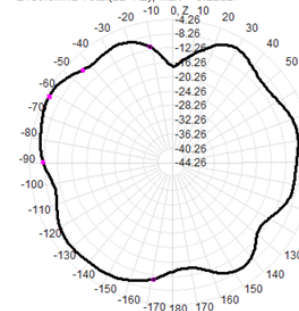
2450.0MHz H+V, Eff: 13.3%



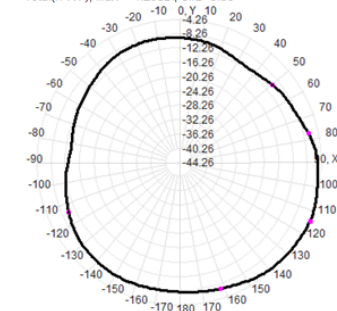
Back View



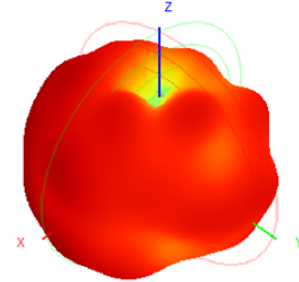
2450.0MHz Total(E2-YZ), Max=-5.22dBi



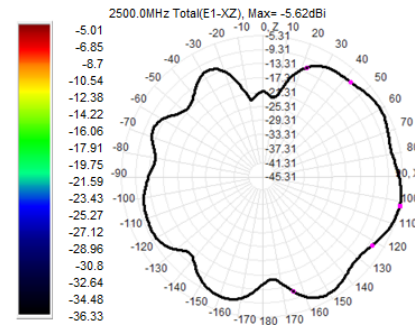
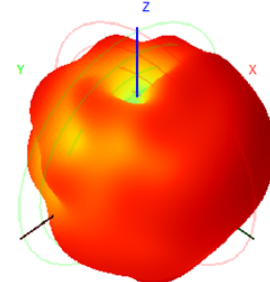
Total(H-XY), Max=-4.28dBi, CirD=9.36



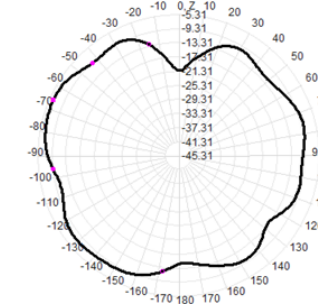
2500.0MHz H+V, Eff: 11.1%



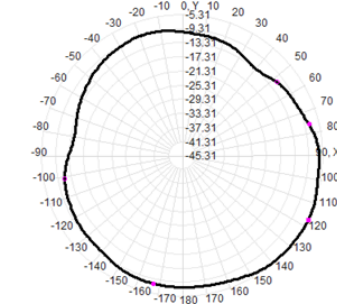
Back View



2500.0MHz Total(E2-YZ), Max=-6.42dBi

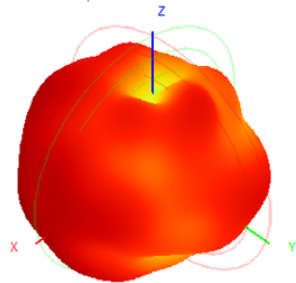


Total(H-XY), Max=-5.31dBi, CirD=8.95

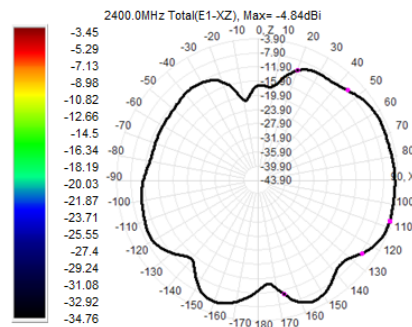
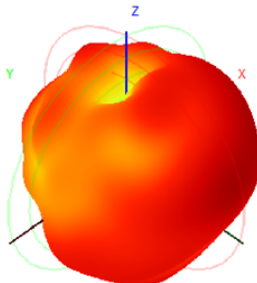


Frequency ID	1	
Frequency (MHz)	2402-2480	
Efficiency (dBi)	-8.42	
Gain (dBi)	-3.45	
Efficiency (%)	14.39	
Directivity (dB)	4.97	
Peak Gain Position (Theta)	98.00	
Peak Gain Position (Phi)	332.00	
Efficiency ThetaPol (%)	10.97	
Efficiency PhiPol (%)	3.42	
Upper Hem. Efficiency (%)	7.29	
Lower Hem. Efficiency (%)	7.10	

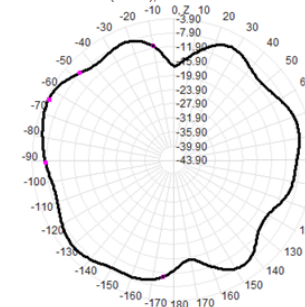
2400.0MHz H+V, Eff: 14.4%



Back View



2400.0MHz Total(E2-YZ), Max=-4.73dBi



Total(H-X-Y), Max=-3.90dBi CirD=8.87

