



Shenzhen Yingjia Chuang electronic technology Co., LTD

Product antenna commissioning report

Address: Building A&C, Guangming Valley, Ma Tian Office,
Guangming District, Shenzhen

Agilent Technologies

E5071B 300 kHz - 8.5 GHz
ENA Series Network Analyzer

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

Marker 2 2.45000000 GHz

Tr1 S11 SWR 1.000/ Ref 1.000 [F1]

1	2.4000000 GHz	2.3302
>2	2.4500000 GHz	1.4458
3	2.5000000 GHz	2.2494

Tr2 S11 Log Mag 10.00dB/ Ref 0.000dB [F1]

1	2.4000000 GHz	-7.9712 dB
>2	2.4500000 GHz	-14.786 dB
3	2.5000000 GHz	-8.3022 dB

S11 Smith R+jX Scale 1.000U [F1]

1	2.4000000 GHz	33.680 Ω	31.796 Ω	2.
>2	2.4500000 GHz	41.019 Ω	14.185 Ω	9.
3	2.5000000 GHz	24.604 Ω	14.448 Ω	91

Marker

✓ Marker 1

✓ Marker 2

✓ Marker 3

Marker 4

More Markers

Ref Marker

Clear Marker
Menu

Marker ->
Ref Marker

Ref Marker Mode
OFF

Return

1 Start 2.2 GHz

IFBW 70 kHz

Stop 2.7 GHz

Meas

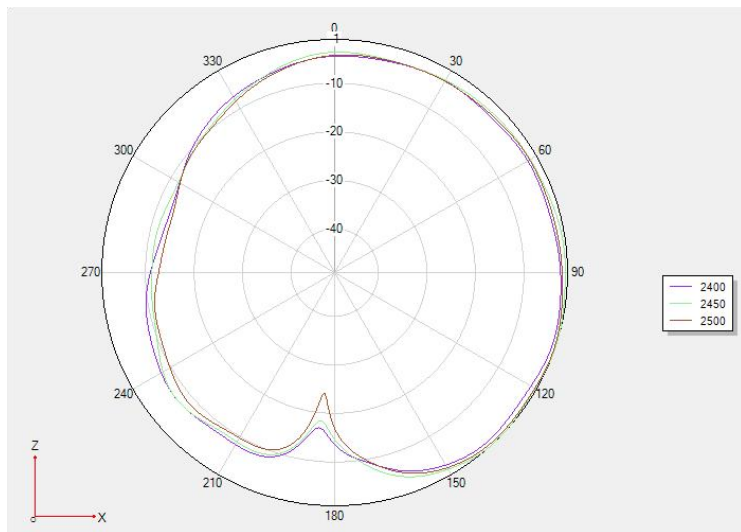
Stop

Enter

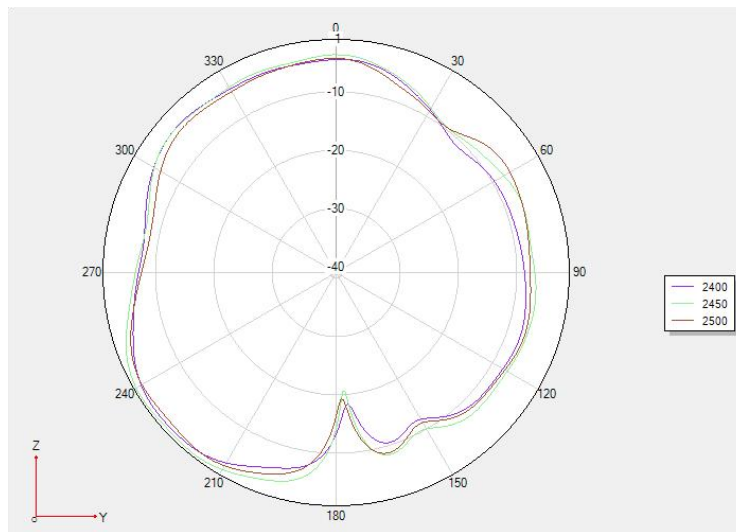
Ready

Frequency	Efficiency (%)	Gain. (dBi)
2400MHz	24.83	-0.68
2410MHz	26.36	-0.4
2420MHz	27.73	-0.01
2430MHz	27.35	-0.36
2440MHz	28.31	-0.33
2450MHz	29.65	0.06
2460MHz	28.44	-0.11
2470MHz	26.92	-0.43
2480MHz	27.1	-0.25
2490MHz	26.18	-0.3
2500MHz	24.21	-0.76

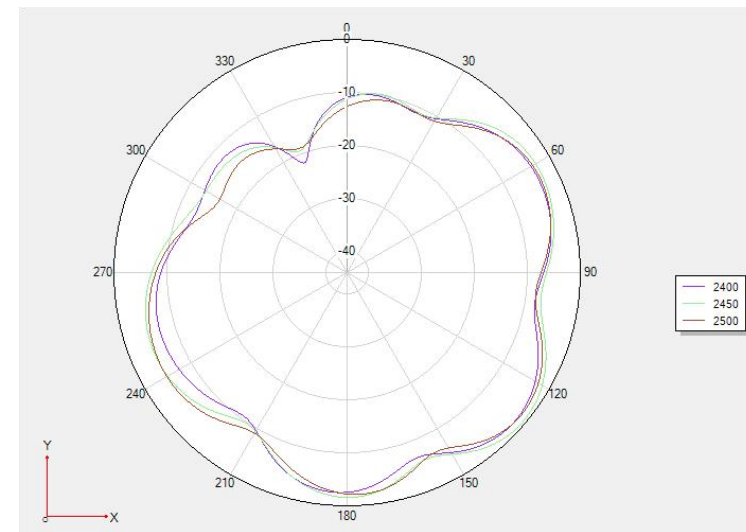
Phi 0 2D图



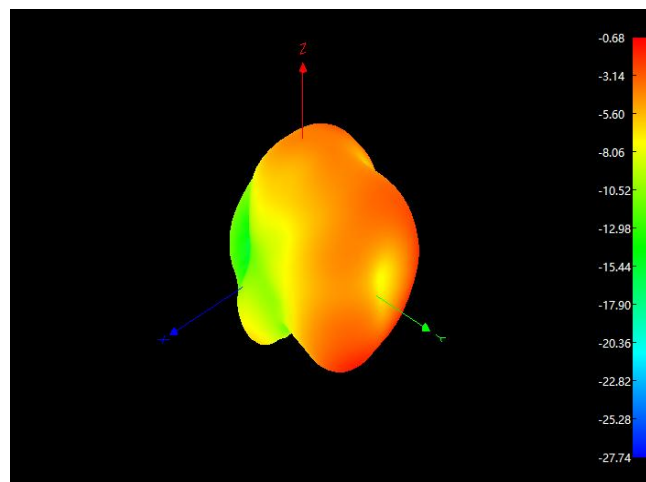
Phi 90 2D图



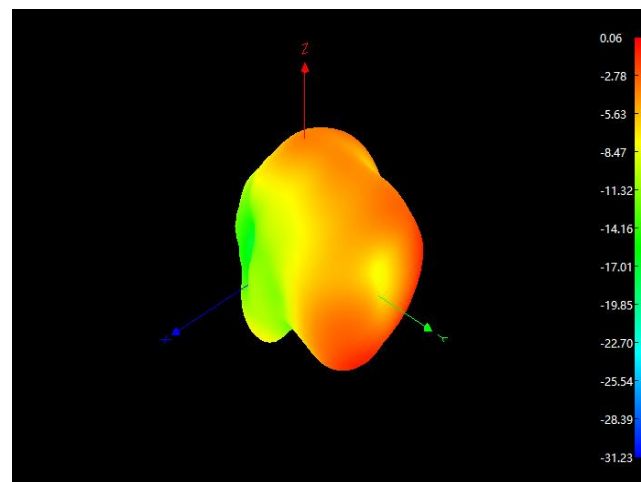
Theta 90 2D图



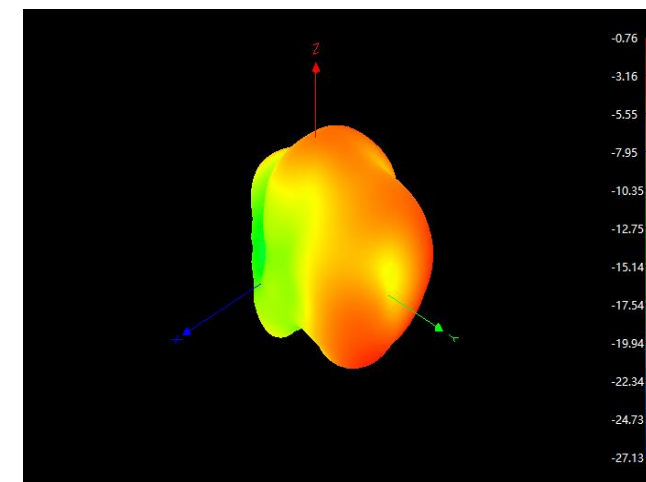
2400



2450



2500



Antenna size diagram

