SPECIFICATION FOR APPROVAL
承认书

CUSTOMER
客户名称：GuangdongDongyouTechnologyCo.,LTD

CUSTOMER’S P/N
客户料号：_____

PART NUMBER
料号：_____

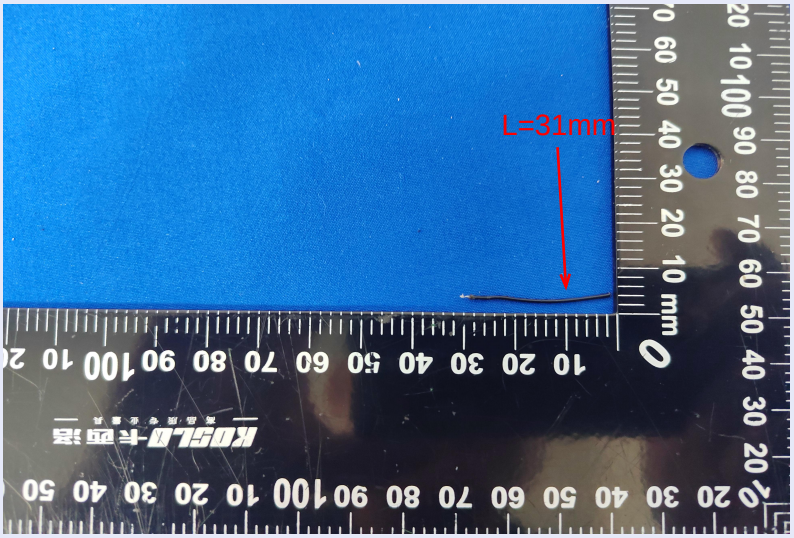
ISSUE DATE
日期：_____

CUSTOMER APPROVED 客户承认

Specifications：

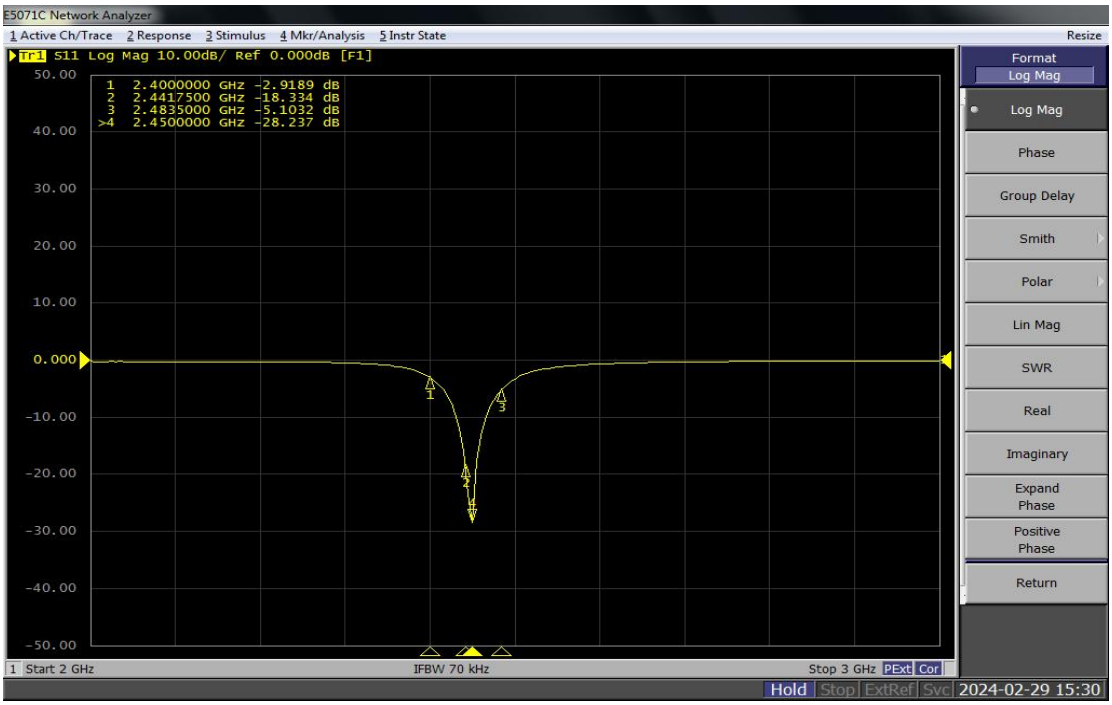
Center frequency	2.45GHz
Bandwidth	100MHz(typ.)
Peak gain	1.77dBi
Model Name	DBA M50-V1
VSWR	1.5(max)
Impedance	50Ω
Power Capacity	2W(max)
Operation temperature	-40 ~ +85 °C
Storage temperature	-40 ~ +85 °C

Antenna Photo & Length (mm)

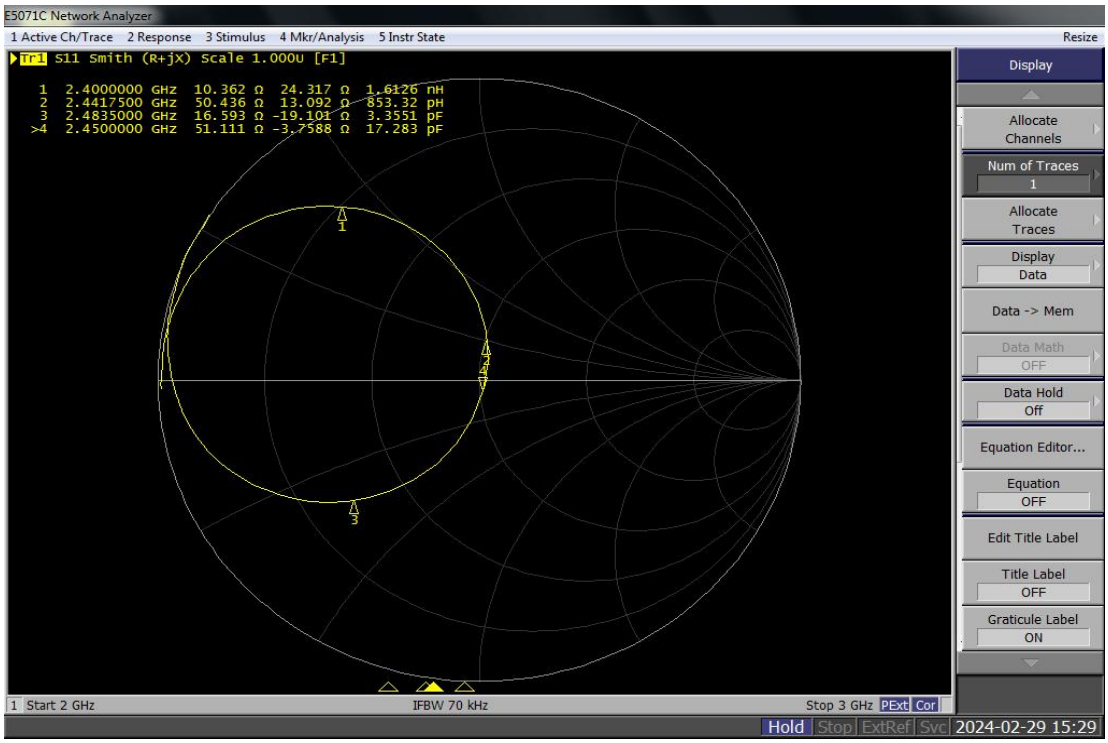


2、 Measurement Results

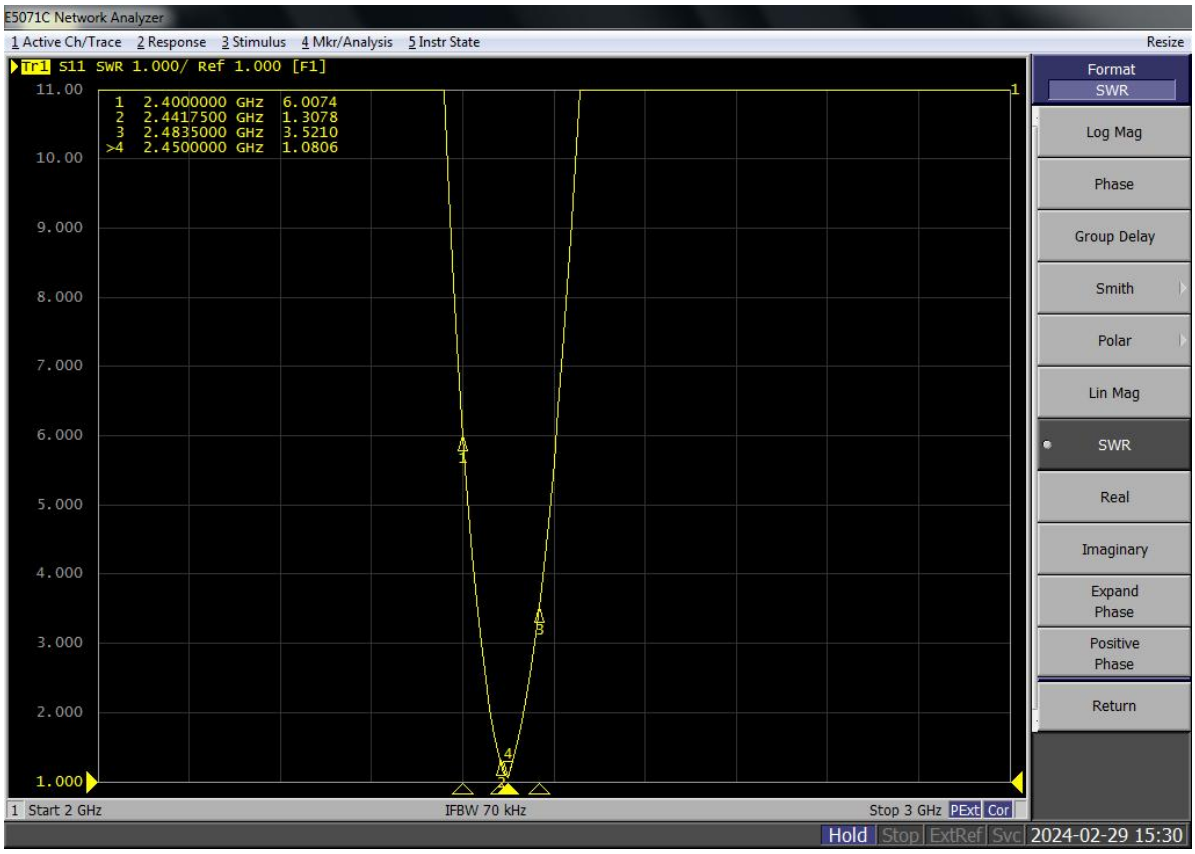
S11 Log Mag ：



S11 Smith R+jx ：



S11 SWR ：

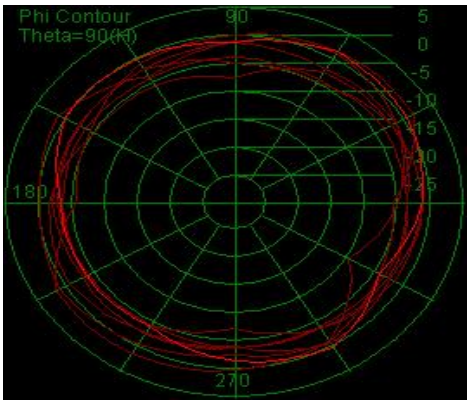

E5071C Network Analyzer
1 Active Ch/Trace 2 Response 3 Stimulus 4 Mkr/Analysis 5 Instr State
Resize
Tr1 S11 SWR 1.000/ Ref 1.000 [F1]
1 2.4000000 GHz 6.0074
2 2.4417500 GHz 1.3078
3 2.4835000 GHz 3.5210
>4 2.4500000 GHz 1.0806
11.00
10.00
9.000
8.000
7.000
6.000
5.000
4.000
3.000
2.000
1.000
1 Start 2 GHz
IFBW 70 kHz
Stop 3 GHz
PExt Cor
Format
SWR
Log Mag
Phase
Group Delay
Smith
Polar
Lin Mag
SWR
Real
Imaginary
Expand Phase
Positive Phase
Return
Hold Stop ExtRef Svc 2024-02-29 15:30

Unit:dBi

2450MHz

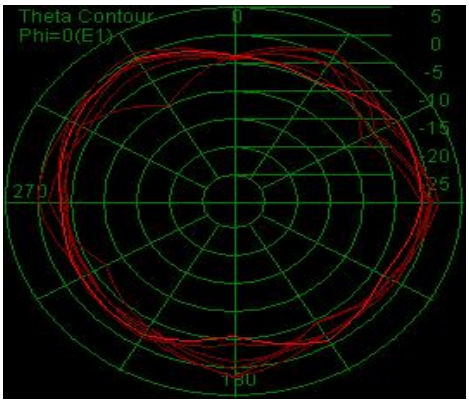
H

XY轴



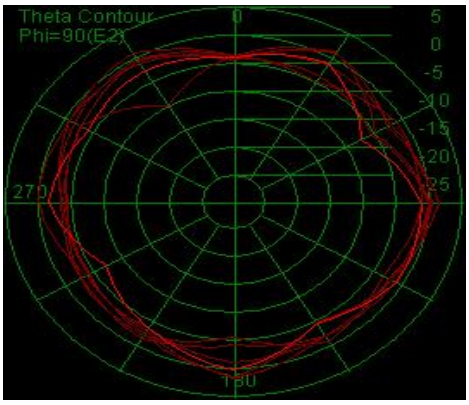
V

XZ轴



V

YZ轴



3.Antenna Passive Data

Test Point ID	1	2	3	4	5	6	7	8	9	10	11
Freq. (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Gain (dBi)	0.67	0.84	1.27	1.52	1.64	1.77	1.61	1.47	1.28	1.33	1.17
Efficiency (%)	40.9%	42.1%	42.7%	43.8%	44.5%	45.1%	44.6%	43.8%	42.3%	41.9%	40.6%