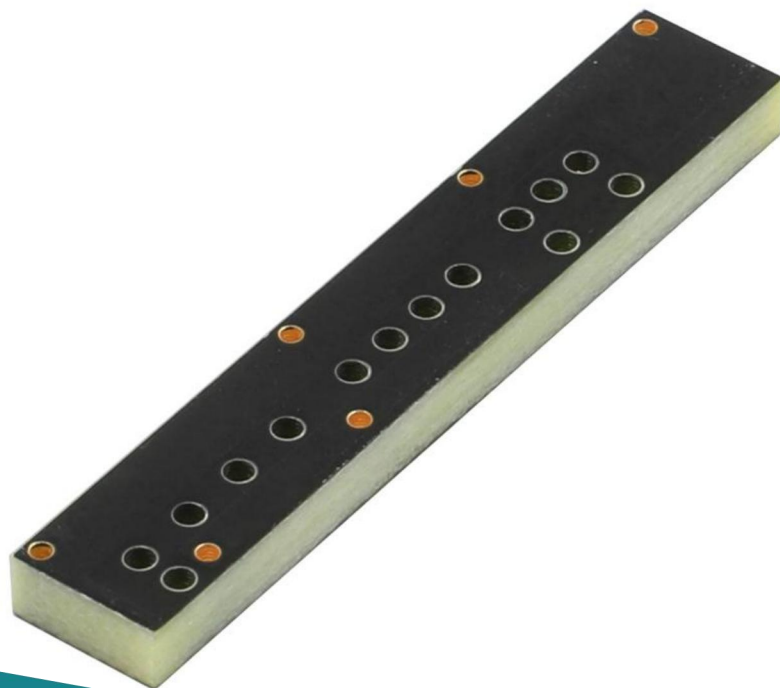


合宙贴片天线:Air4073



Frequency: 700-960/1710-3800MHZ

Size40*7*3

Datasheet

1. Specification

Passive Electrical Specifications

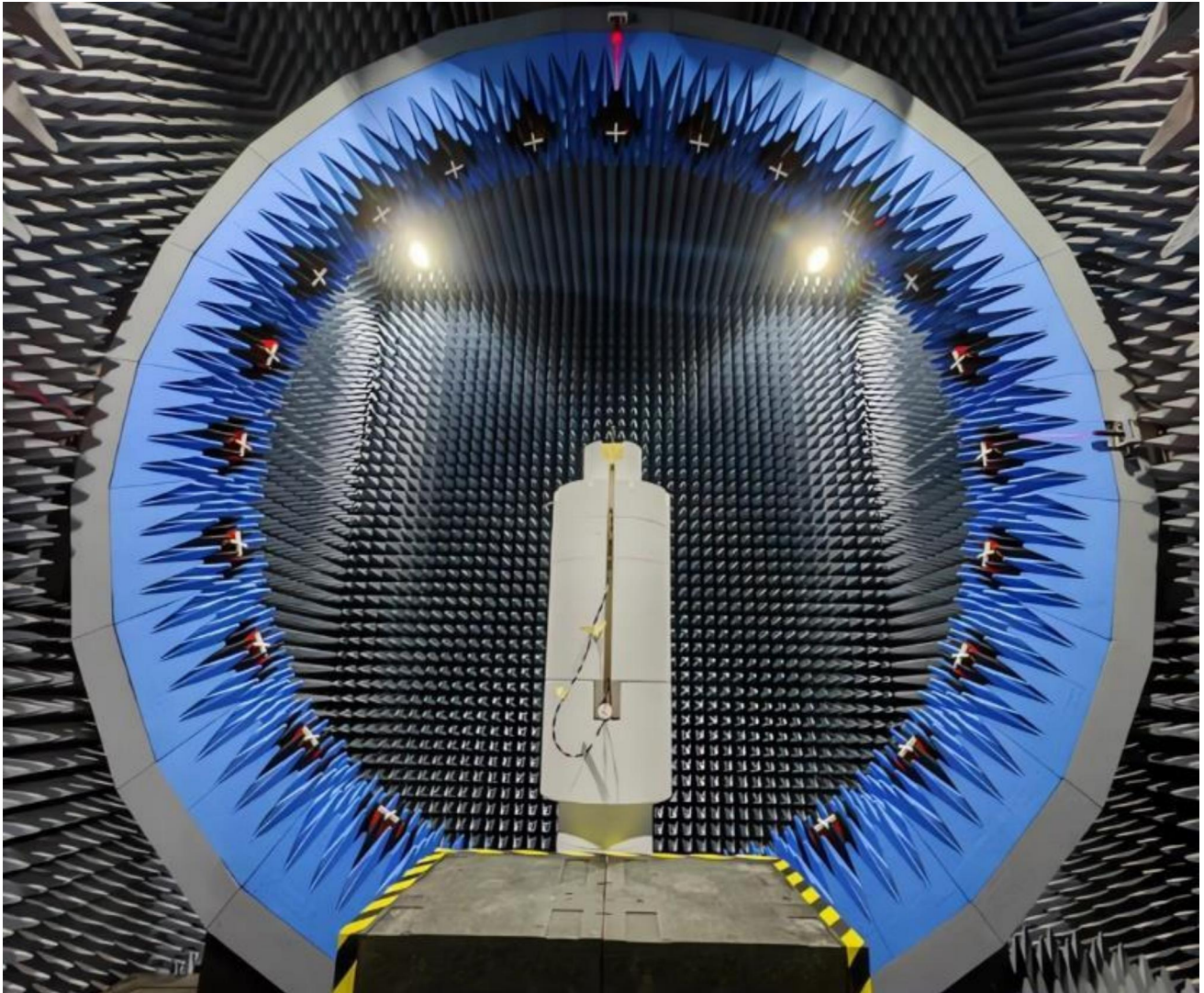
Frequency:	700-960/1710-3800MHZ
Input Impedance:	50Ω
V.S.W.R:	≤3
Gain:	≤4dbi
Polarization Type:	Linear

Mechanical Specifications

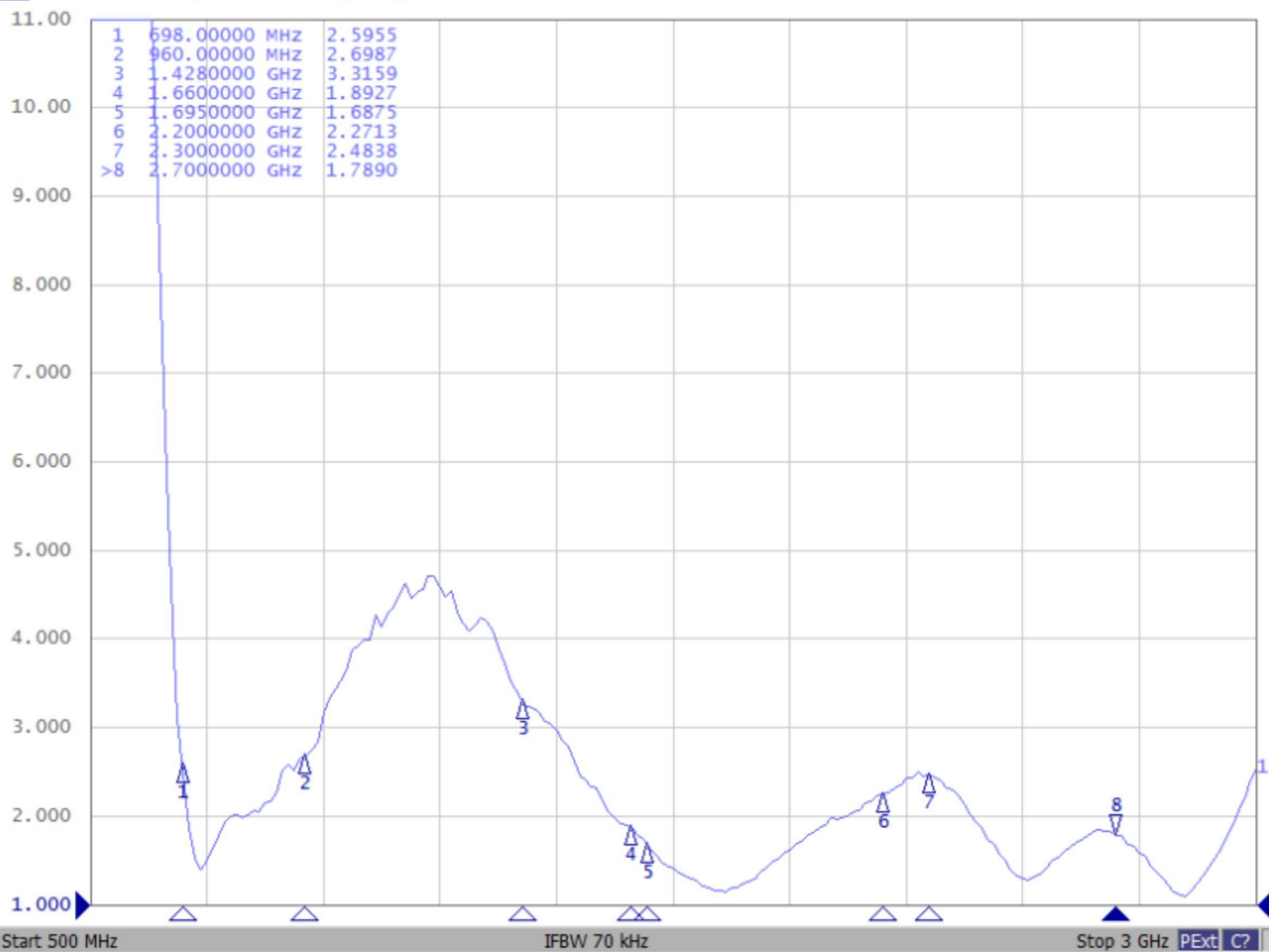
Antenna Size:	40X7X3mm
Material:	PCB
Connector Type:	N/A
Working Temperature:	-40~85°C
Waterproof:	IP64

2. Antenna Performance Testing

Test equipment: Satimo24G microwave laboratory+E5071C network analyzer

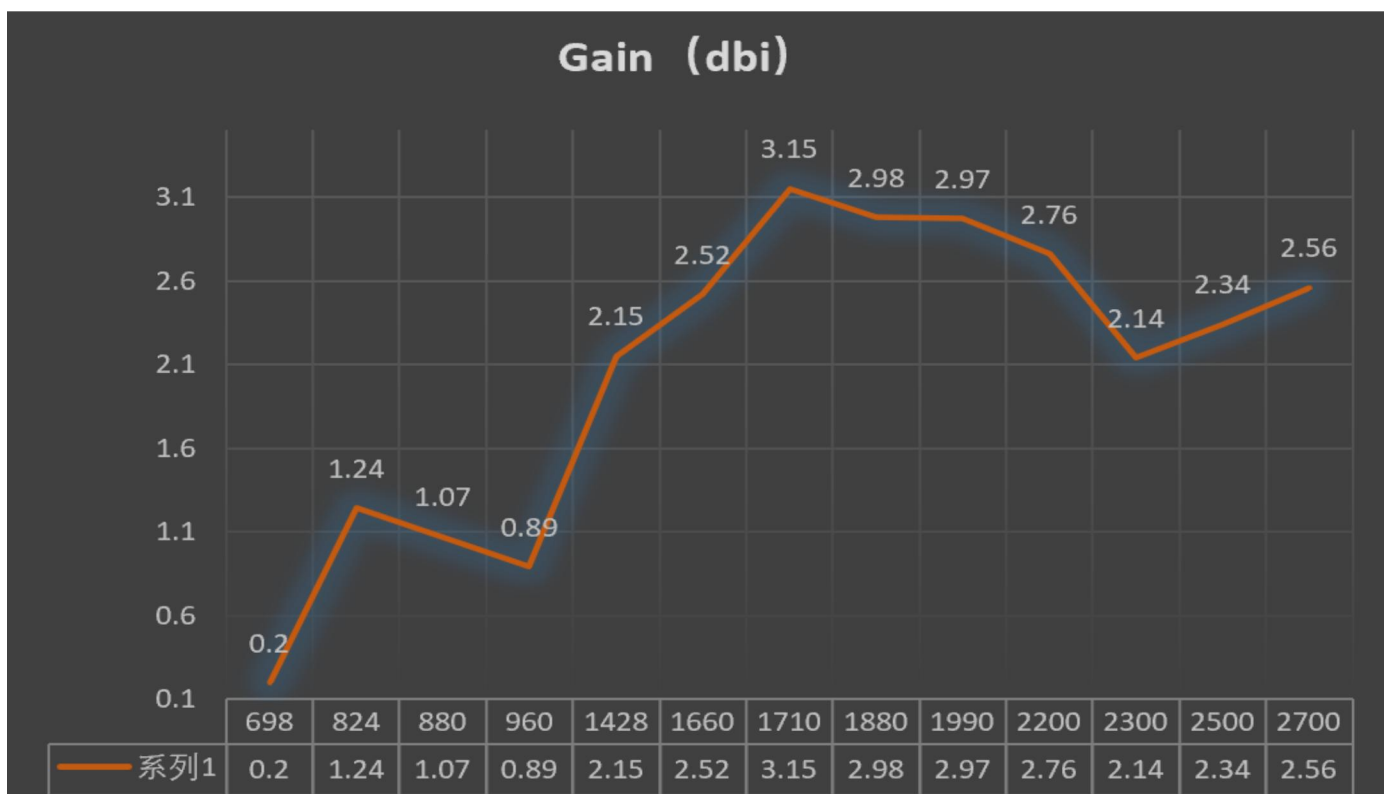
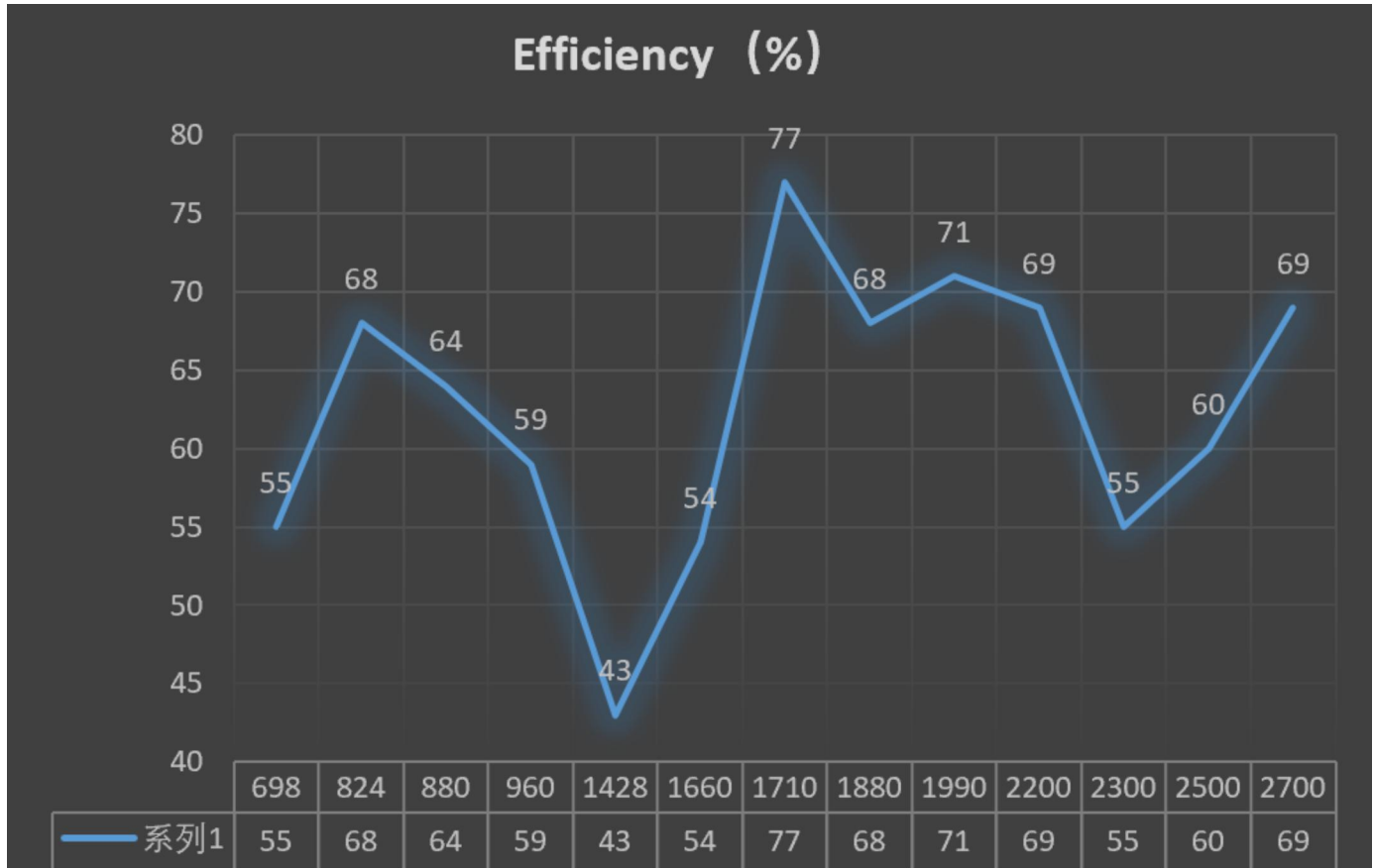


▶ Tr1 S11 SWR 1.000/ Ref 1.000 [F1 M]

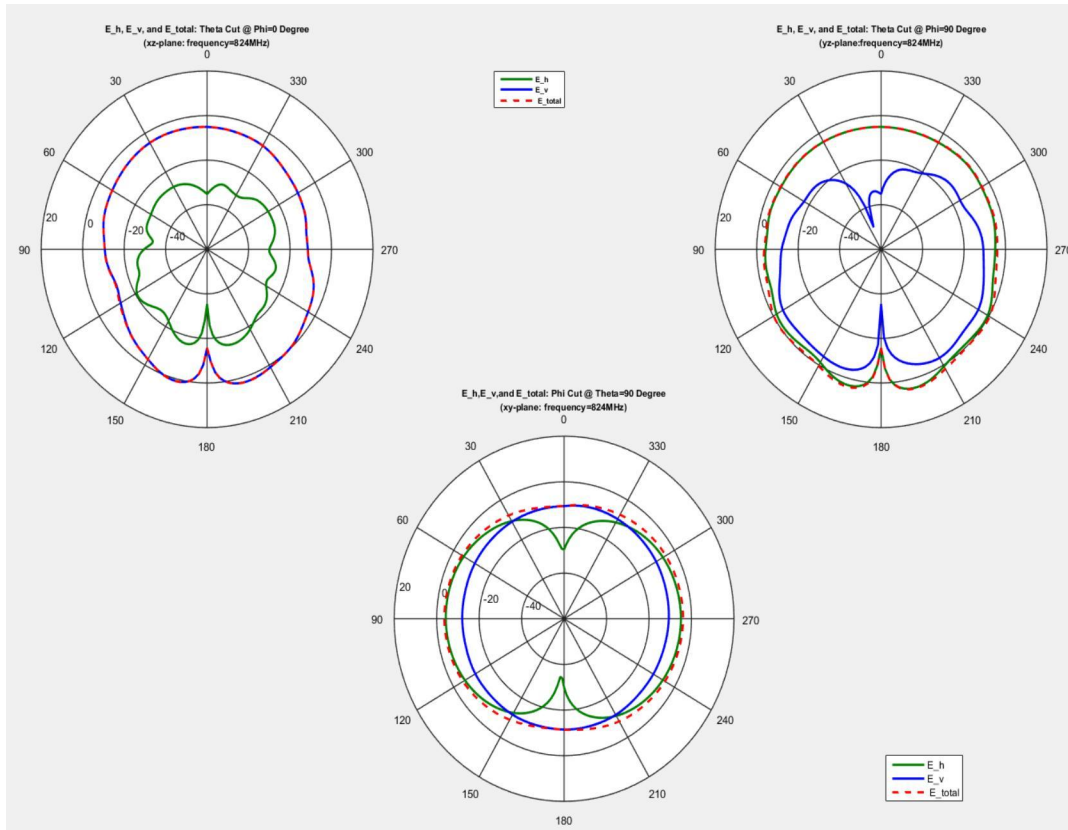


2.2

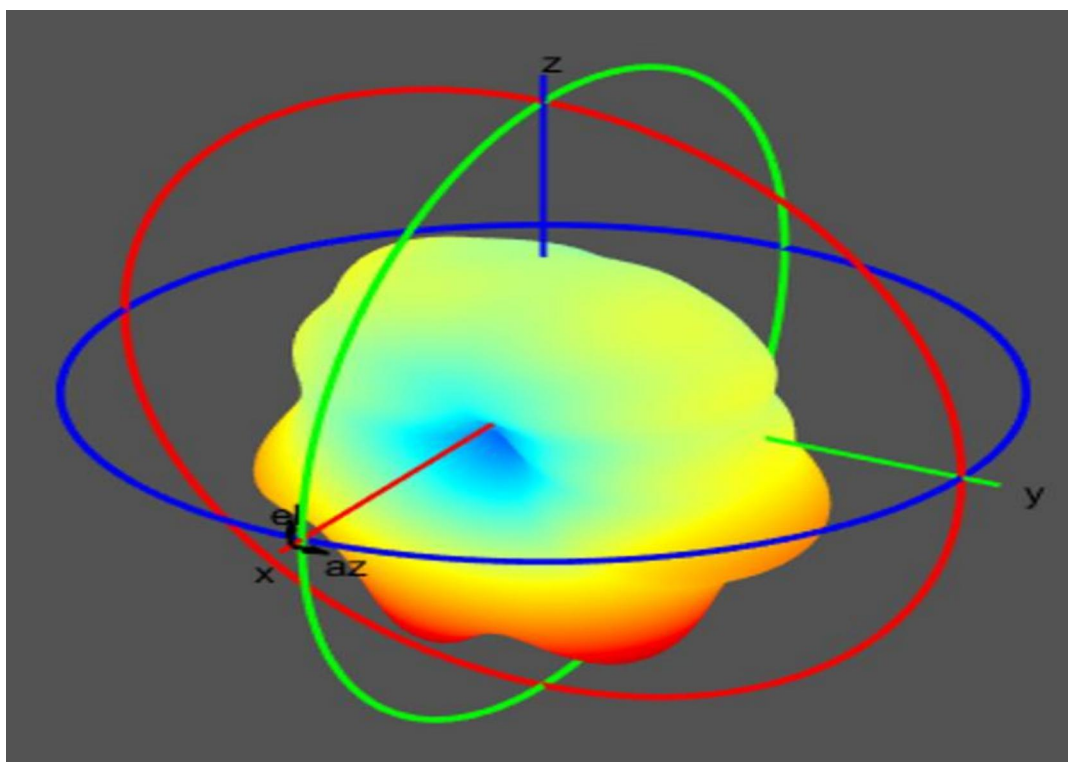
TEST(Efficiency&Gain)



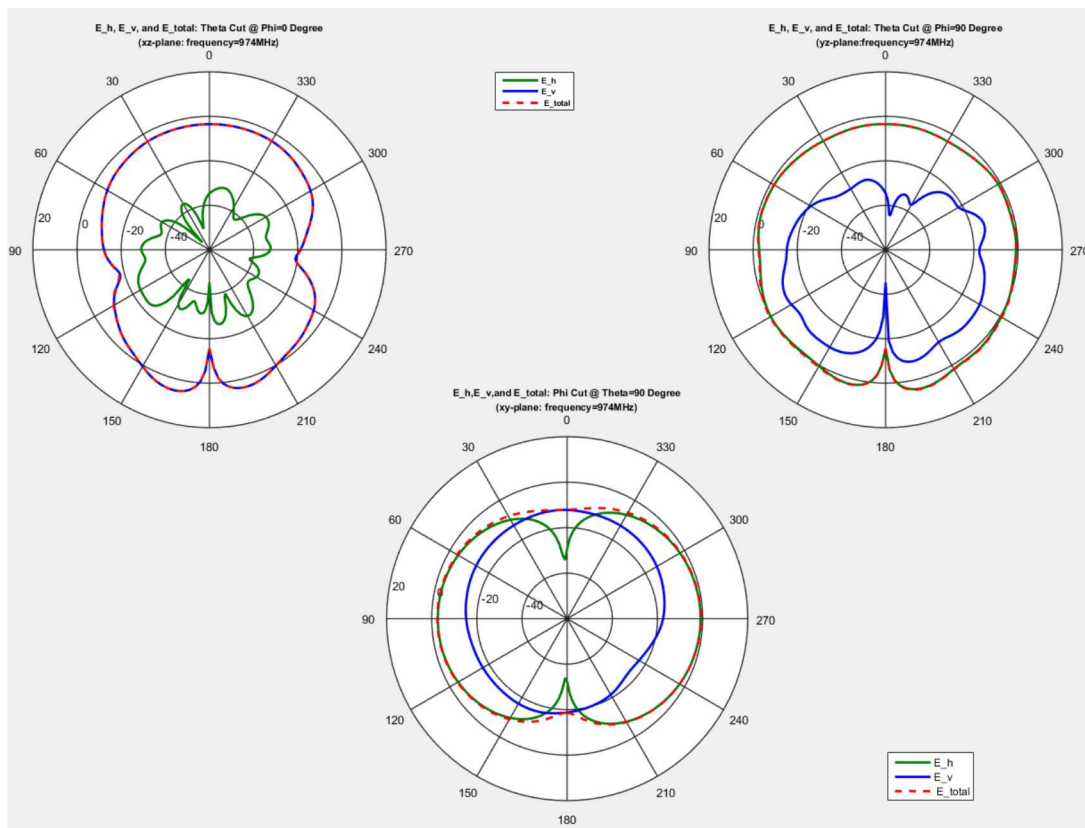
2.3 2D-700MHZ



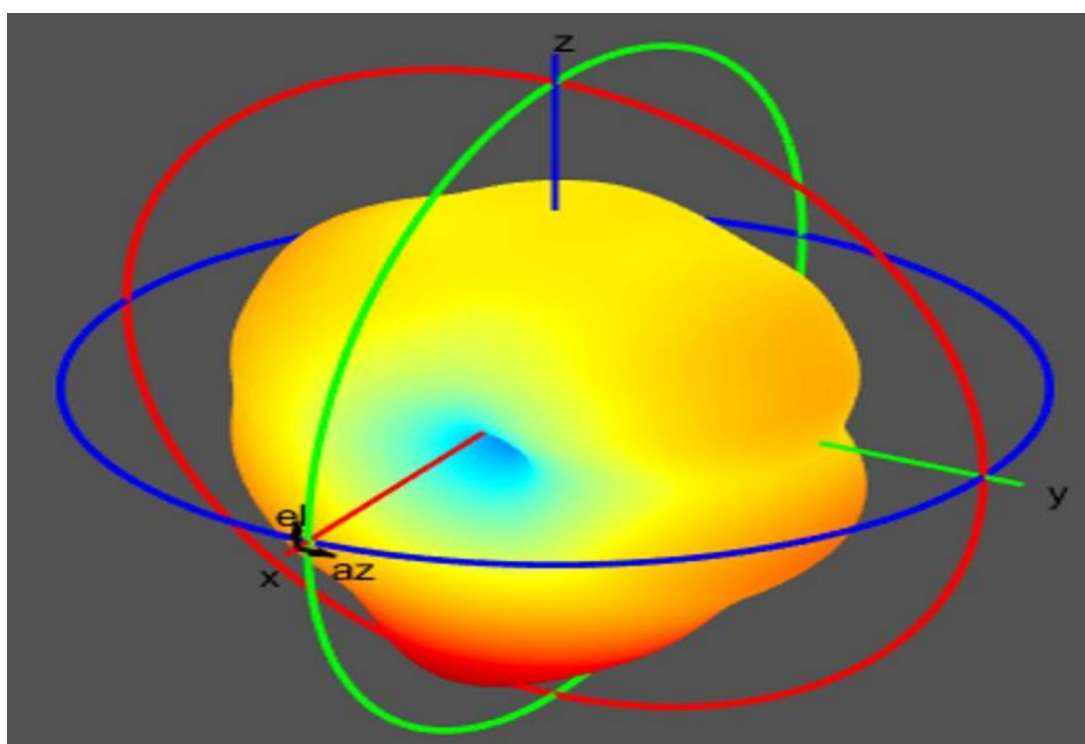
2.4 3D-700MHZ



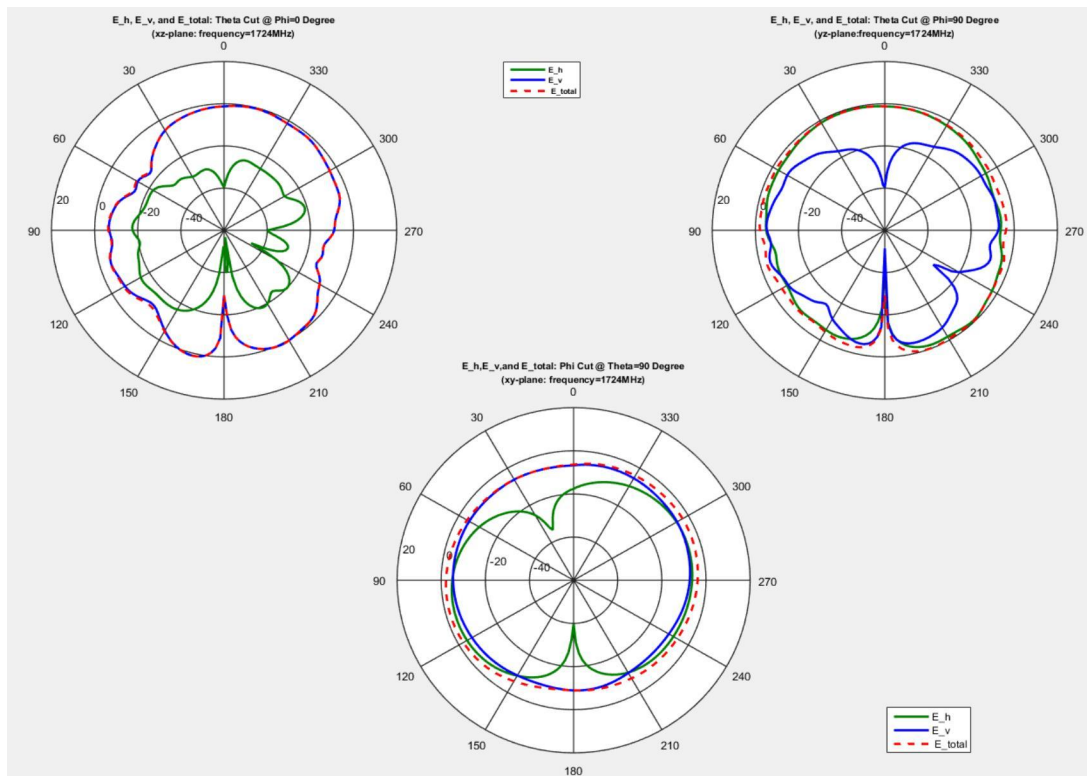
2.5 2D-960MHZ



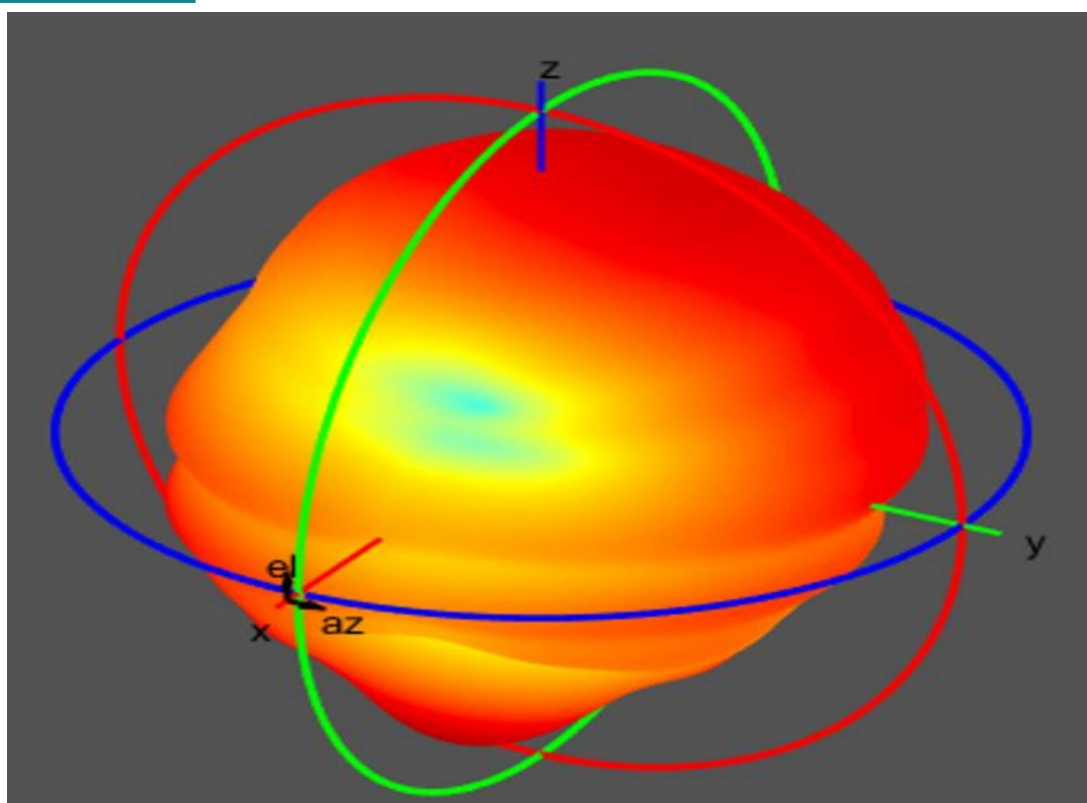
2.6 3D-960MHZ



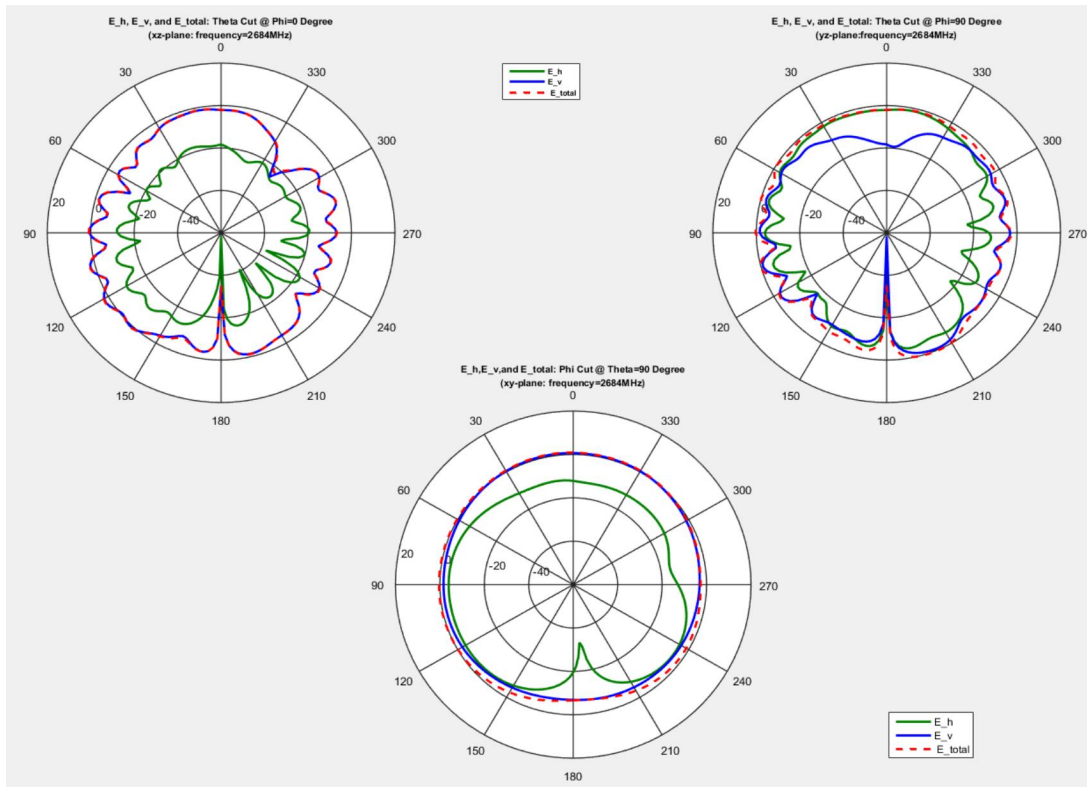
2.7 2D-2000MHZ



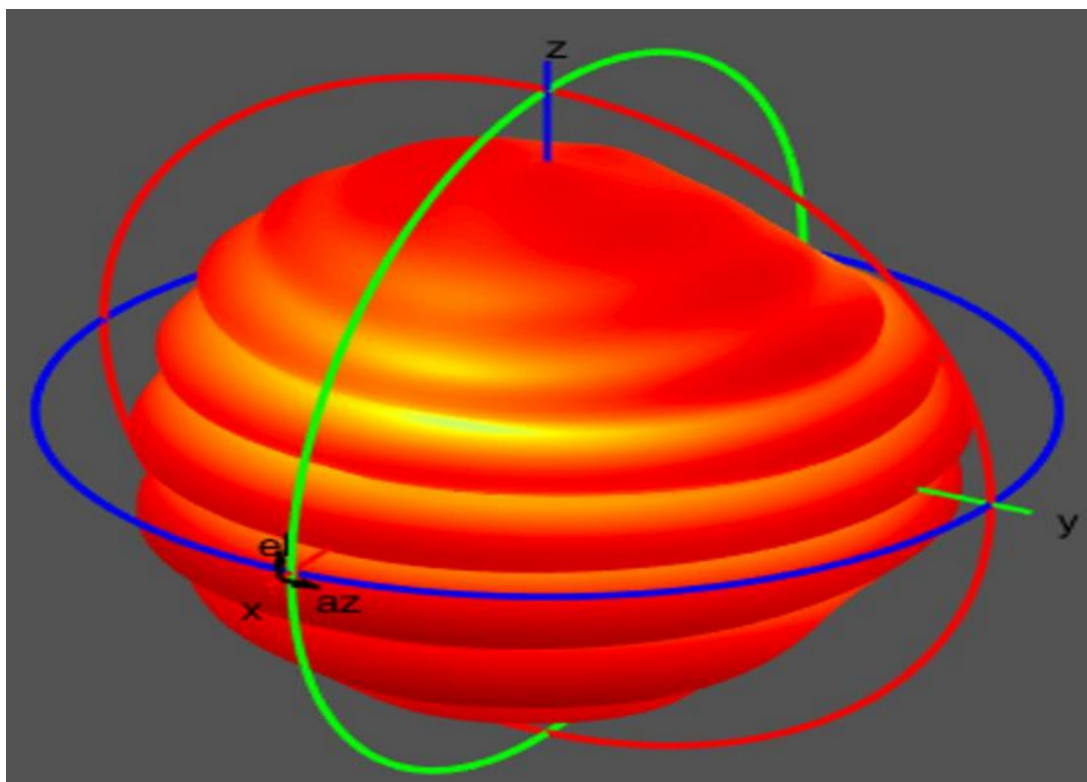
2.8 3D-2000MHZ



2.9 2D-2700MHZ



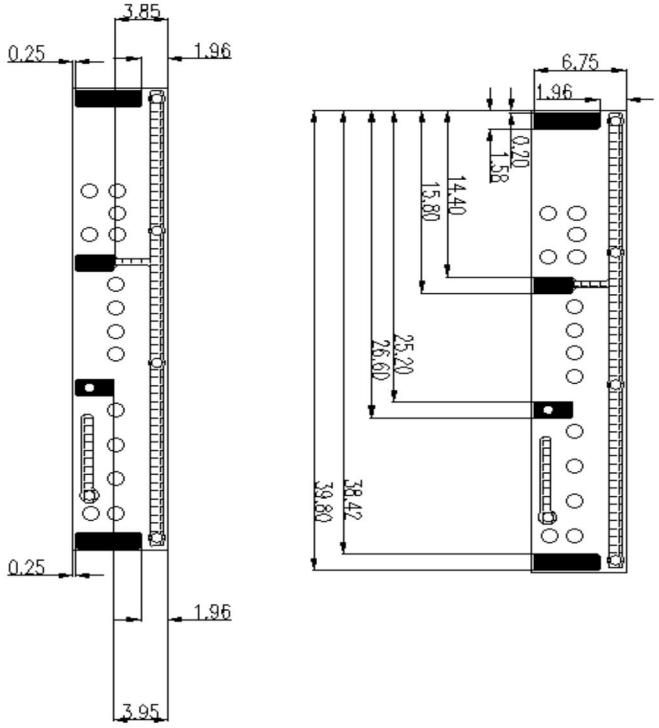
2.10 3D-2700MHZ



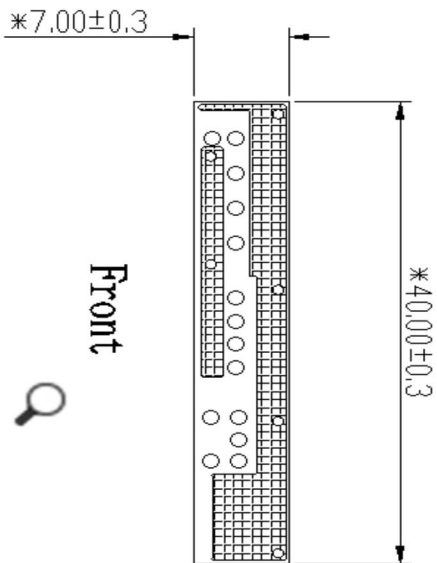
3.1 Product Drawing

The yellow area is the gold-plated area

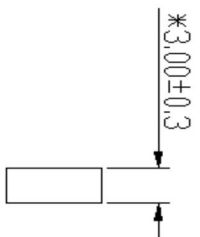
Reverse side



Front



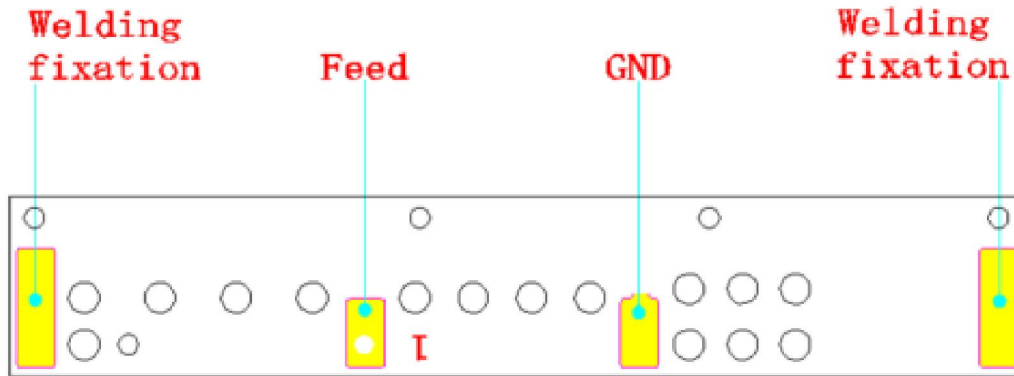
Side



REV	DESCRIPTION	AUTHOR	DATE
V1.0	包袋変更		2025.08.11

ZY Antenna				Part Name: ZY000204_4G_PVB_R1			
Tolerance		DRAWN	CHECK	APPD	DATE	Part No:	REV
0-10	±0.05						V1.0
10-30	±0.10						
30-80	±0.15						
≥ 80	±0.20						
Angle	±1°						
Third	Unit	Size	Scale	Sheet			
mm	A4	1:1	1 of 1				

3.2. Impedance debugging suggestions



Front: Perspective view

- Matching circuit

