

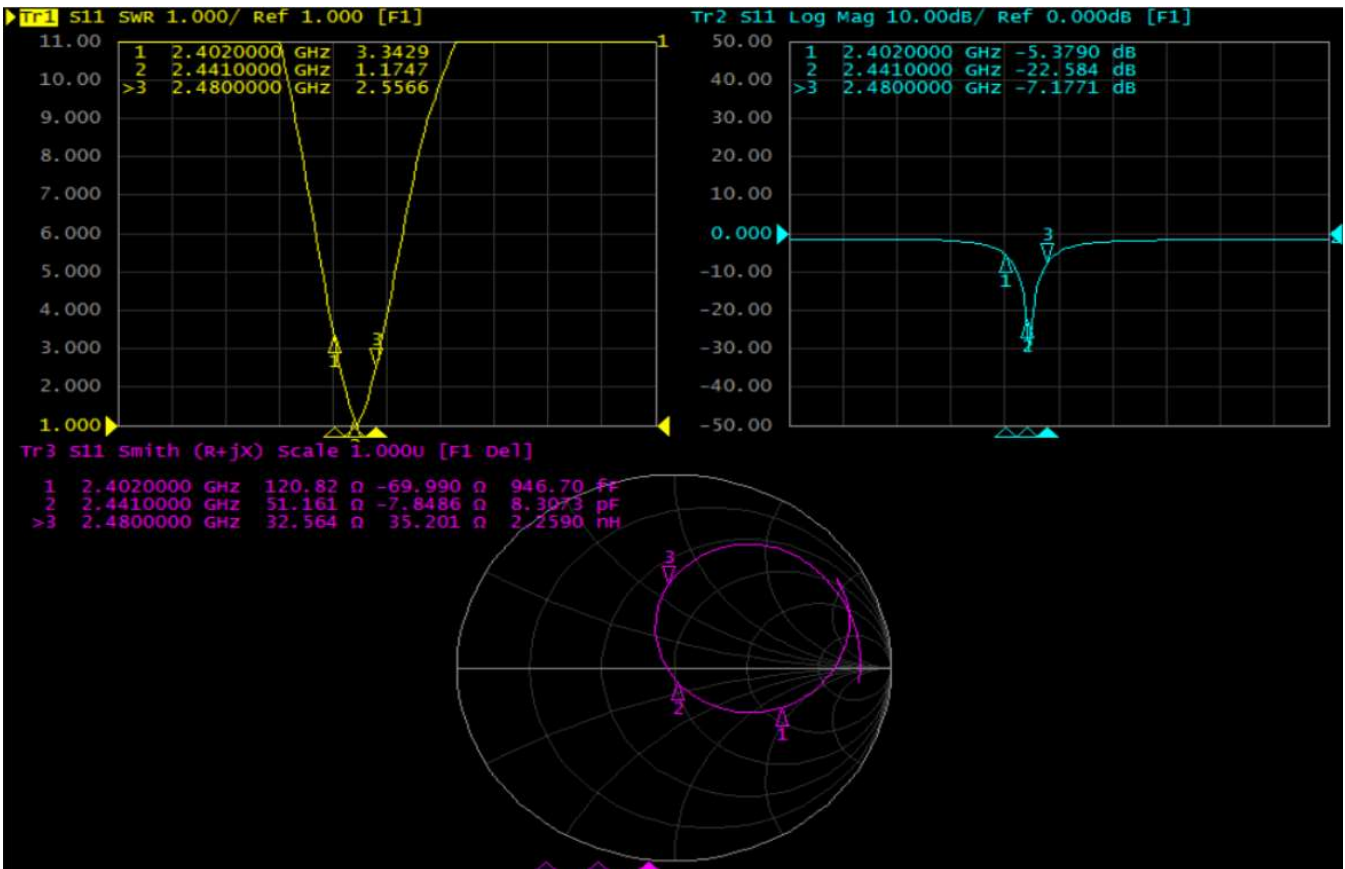
# Engineering Specification

## 1. Test Equipment: Agilent 5071C Network Analyzer

## 2. Electrical Table

No.	Characteristics	Specifications
1	Working Central Frequency	2440 MHz
2	Gain	≤1 dBi
3	V.S.W.R (in BW)	≤3.0
4	Polarization	Linear
5	Impedance	50 Ω

## 3.VSWR



#### 4. Antenna Dimensions

#### 5. Passive Test (2.4-2.48G)

Frequency (MHz)	Gain (dBi)	Efficiency (%)
2400	-3.35	18.44
2410	-3.12	21
2420	-2.54	23.68
2430	-2.10	25.16
2440	-1.71	27.14
2450	-1.48	25.38
2460	-1.64	25.38
2470	-1.89	22.06
2480	-2.53	20.55
AVE	-2.26	23.20

UNLESS OTHER SPECIFIED TOLERANCES ON:  
 X = ±0.2      X.X = ±0.2      X.XX = ±0.2  
 ANGLES = ±1      HOLEDIA = ±0.2



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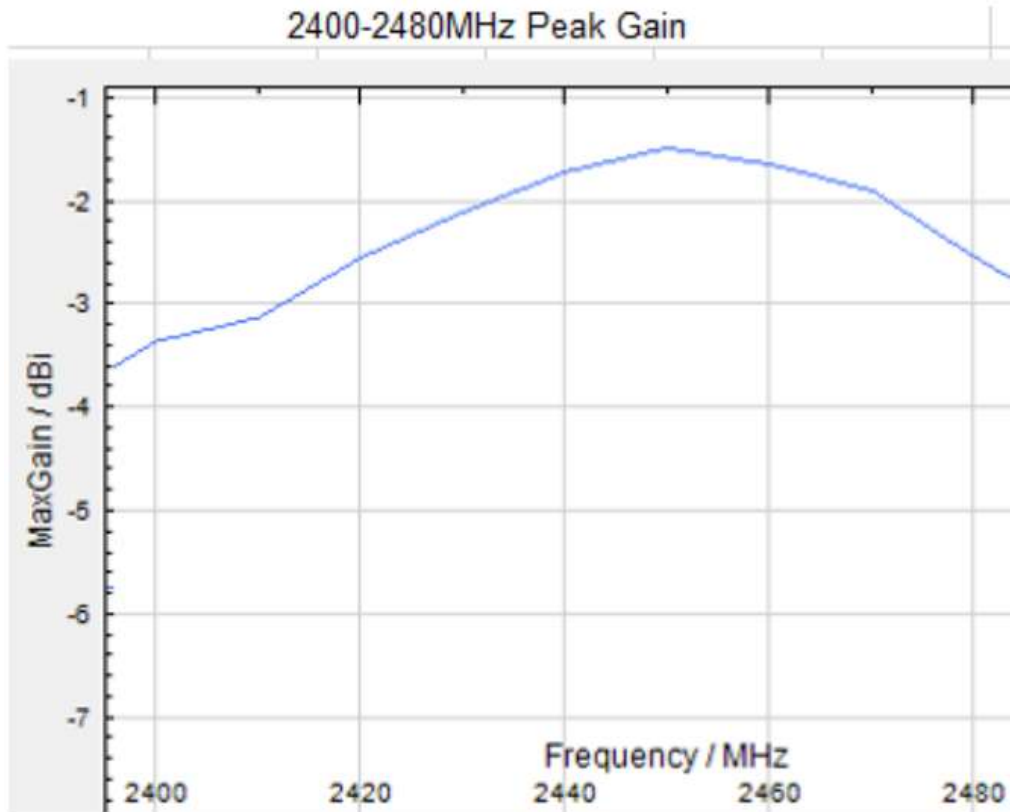
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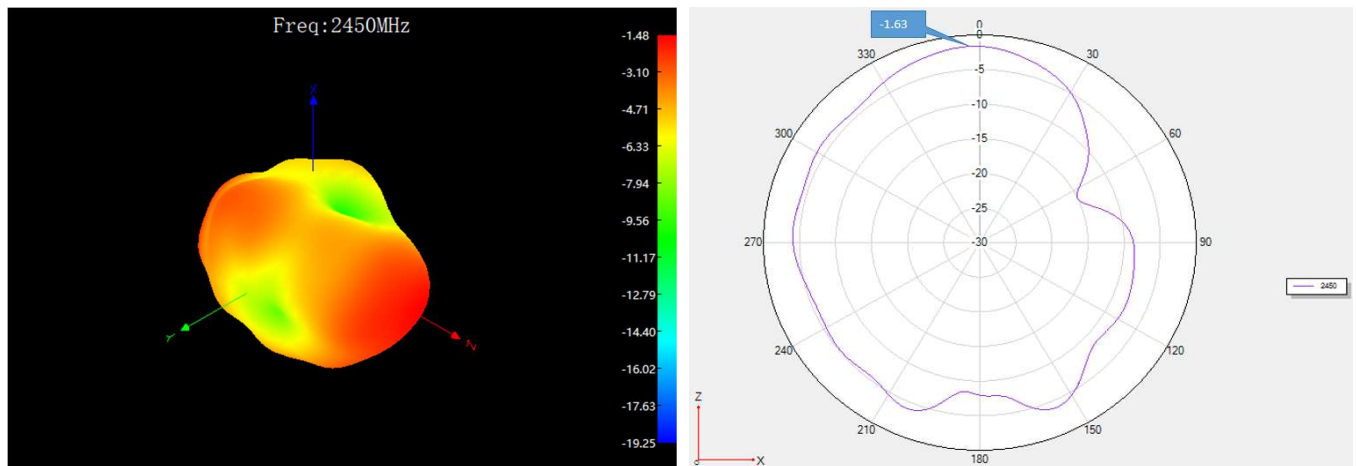
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## 6. Gain (2.4-2.48GHz)



## 7. 2D&3D Pattern



UNLESS OTHER SPECIFIED TOLERANCES ON:  
 X = ±0.2      X.X = ±0.2      X.XX = ±0.2  
 ANGLES = ±1      HOLEDIA = ±0.2



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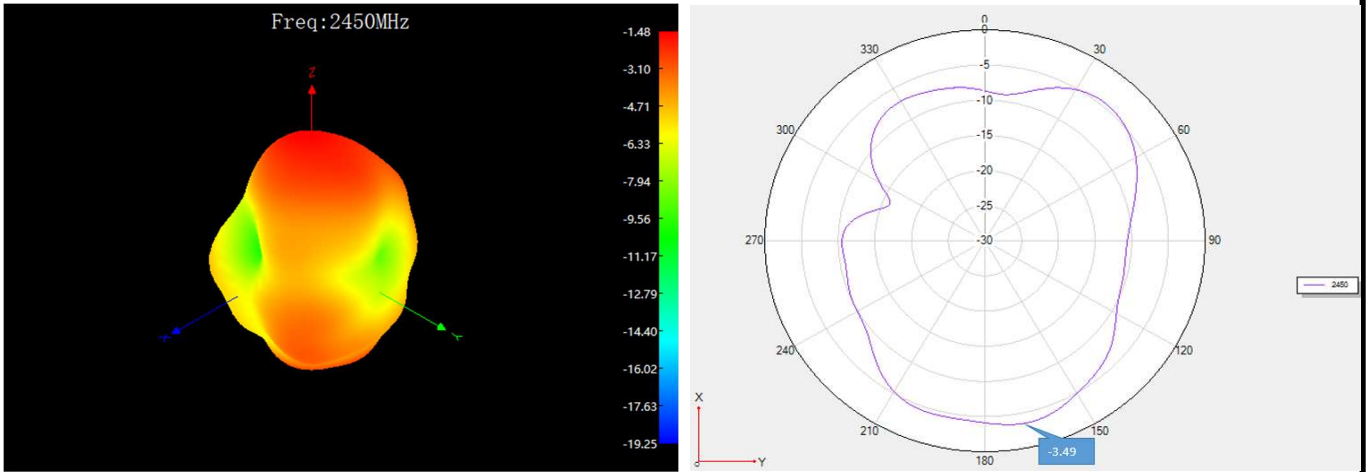
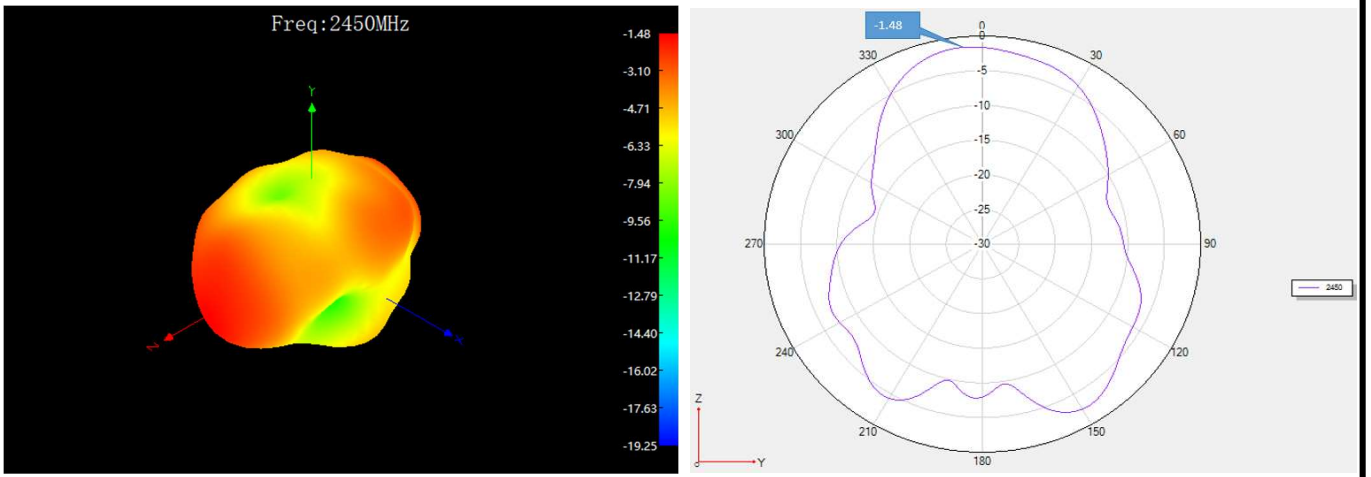
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### 8. Parameters of the antenna matching networks

UNLESS OTHER SPECIFIED TOLERANCES ON:  
 $X = \pm 0.2$        $X.X = \pm 0.2$        $X.XX = \pm 0.2$   
 ANGLES =  $\pm 1$       HOLEDIA =  $\pm 0.2$



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