

**Shenzhen Xuhang Communication
Technology Co., Ltd
213-214, Building 1 Floor 2,
Chenghede Industrial Zone, Henglang
Community, Dalang Street, Longhua
District, Shenzhen**

CUSTOMER	
CUSTOMER NO.	2.4G
PART NAME	2.4G
SUPPLIER NO.	XH220141

CUSTOMER APPROVED BY		
APPROVAL	CHIEF	SUPERVISOR

DESIGN	CHECK	APPROVAL
Luo	Robert	SHANG

Date: June 6,2024

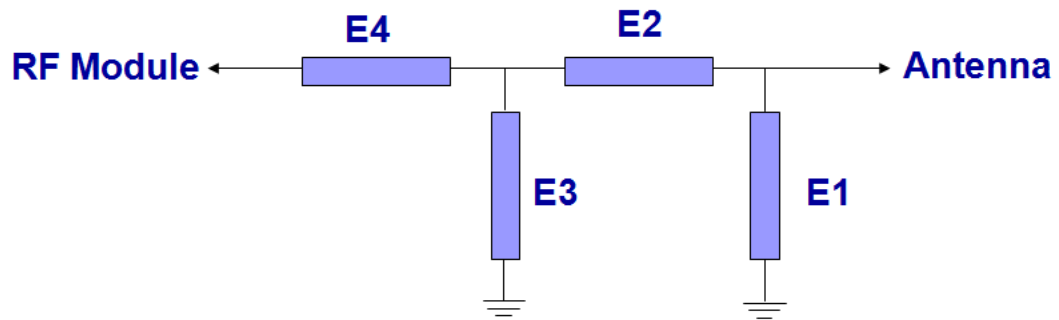
DIRECTORY

[illegible]

TEST REPORTS

Frequency	2.4G(2400~2500MHz)
Impedance	50 Ohm Nominal
V.S.W.R	≤ 2.0
Return Loss	-10dB Max
Radiation	Omni-directional
Gain(Peak)	2.66dBi
Polarization	Linear,Vertical
Admitted Power	1W
Connector	I-PEX III
Type of Antenna	Rod antenna
Physical Properties	
Antenna Material	Copper pipe
Cable Type	O.D.0.81mm
Operating Temp.	-10-+60℃
Storage Temp.	-10-+70℃
Cable Color	Black

Matching Circuits



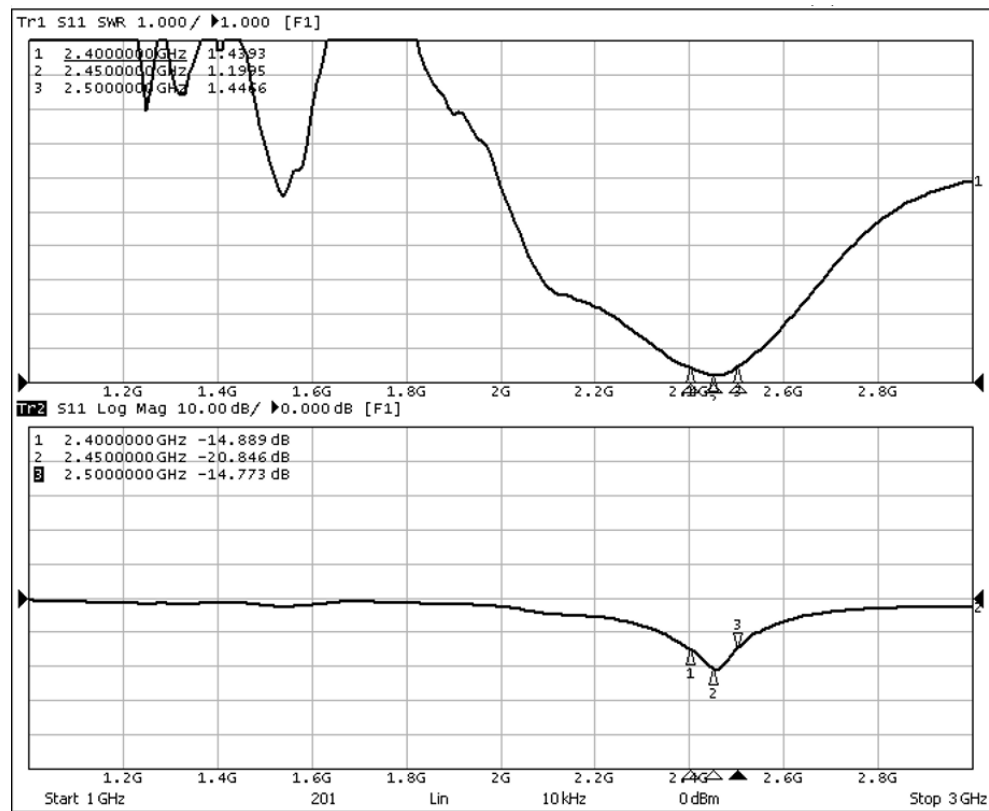
Element	Value	Vender
E1(0402)		
E2(0402)	0Ω	
E3(0402)		
E4(0402)	0Ω	

The original matching circuit has not been modified

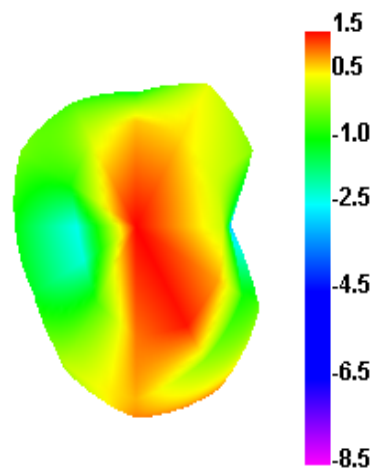
DRAWING

Test Data

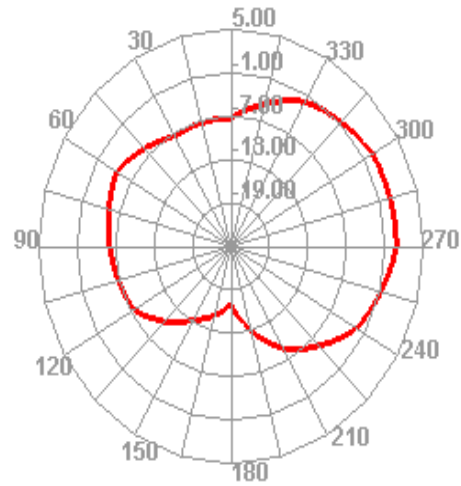
Freq (MHz)	Effi (%)	Gain (dBi)
2400	58.97	1.47
2410	52.7	0.96
2420	62.42	1.92
2430	62.74	2.05
2440	66.54	2.58
2450	64.83	2.66
2460	60.41	2.36
2470	60.98	2.38
2480	49.68	1.32
2490	58.56	2.2
2500	50.8	1.39



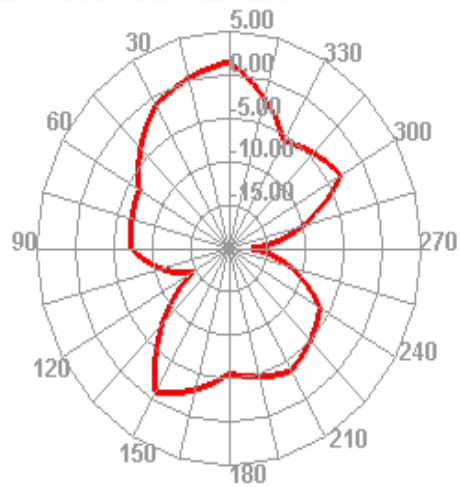
2400.000MHz



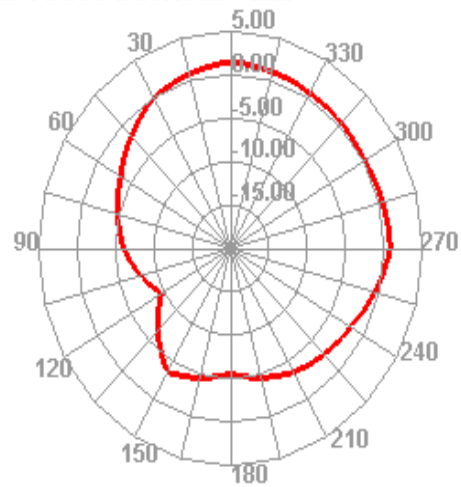
2400.000MHz H



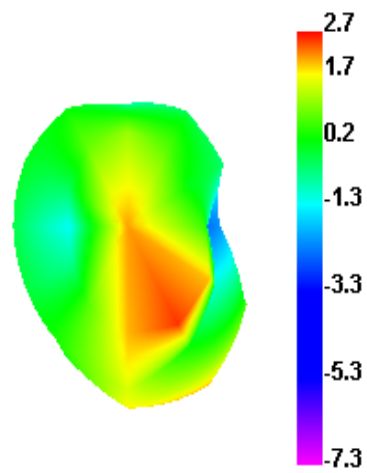
2400.000MHz E1



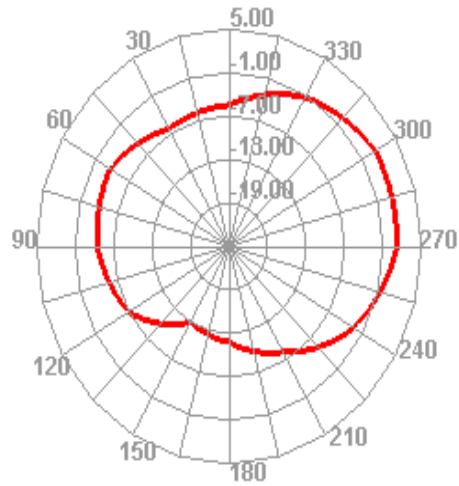
2400.000MHz E2



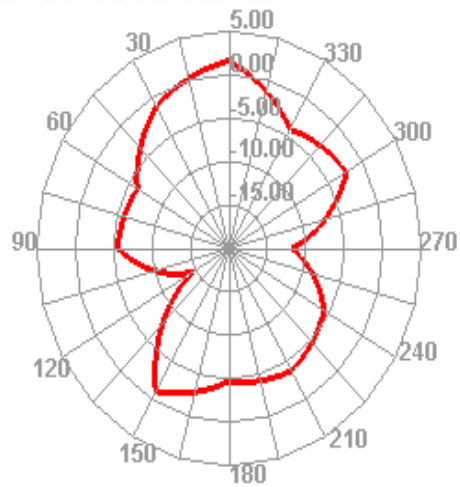
2450.000MHz



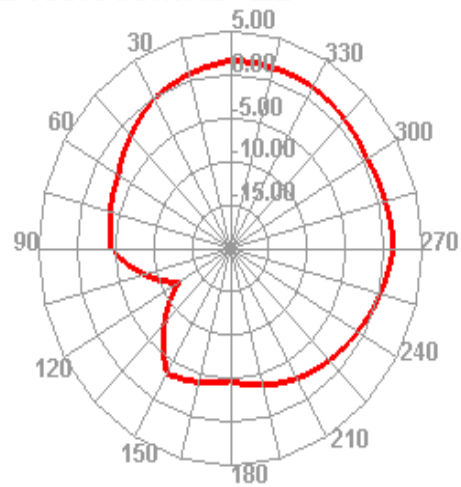
2450.000MHz H



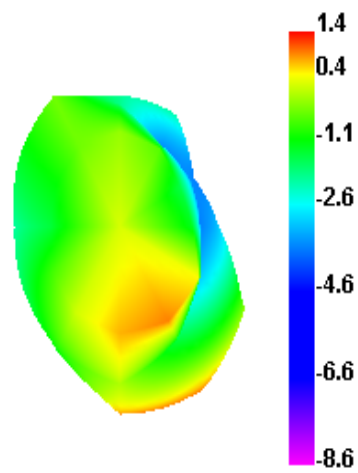
2450.000MHz E1



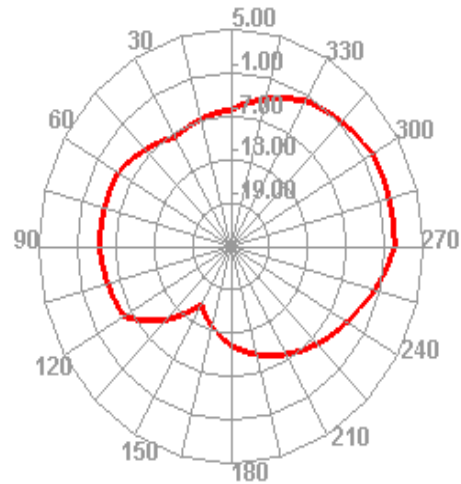
2450.000MHz E2



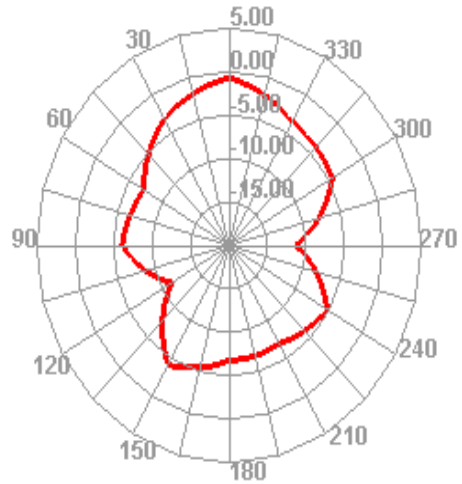
2500.000MHz



2500.000MHz H



2500.000MHz E1



2500.000MHz E2

