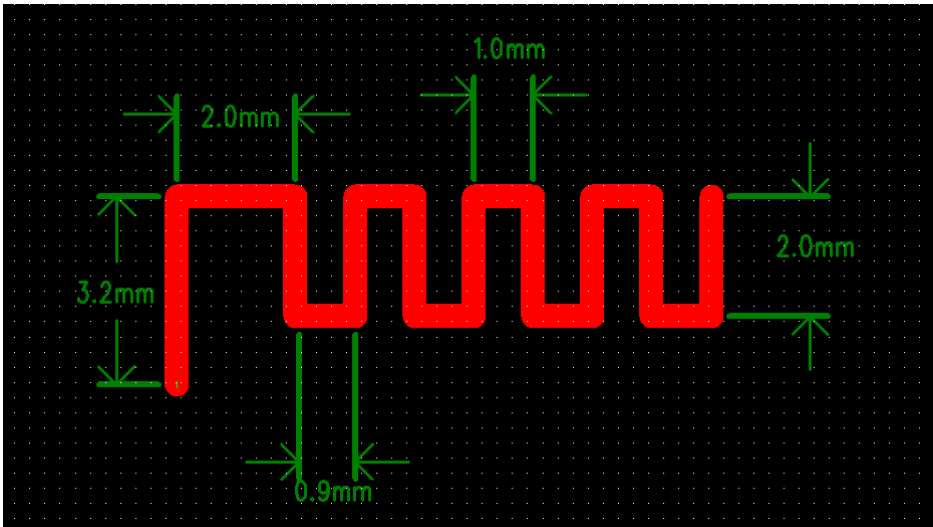


2.4G-2.48G 频段板载 PIFA 天线测试报告

2.4G-2.48G Inverted F Antenna Specification

SPECIFICATIONS	
Frequency (MHz)	2400-2480
Peak Gain (dBi)	1.71
Average Gain (dBi)	>-4
VSWR	<3.2
Impedance (Ω)	50Ω
Antenna Type	Plannar Inverted F Antenna on board
Polarization	Linear
Manufacture	ZHUHAI JIELI TECHNOLOGY CO.,LTD
Address:	No.333 Kexing Road, Nanping Science Park, Xiangzhou District, Zhuhai
Test equipment	HWA-TECH

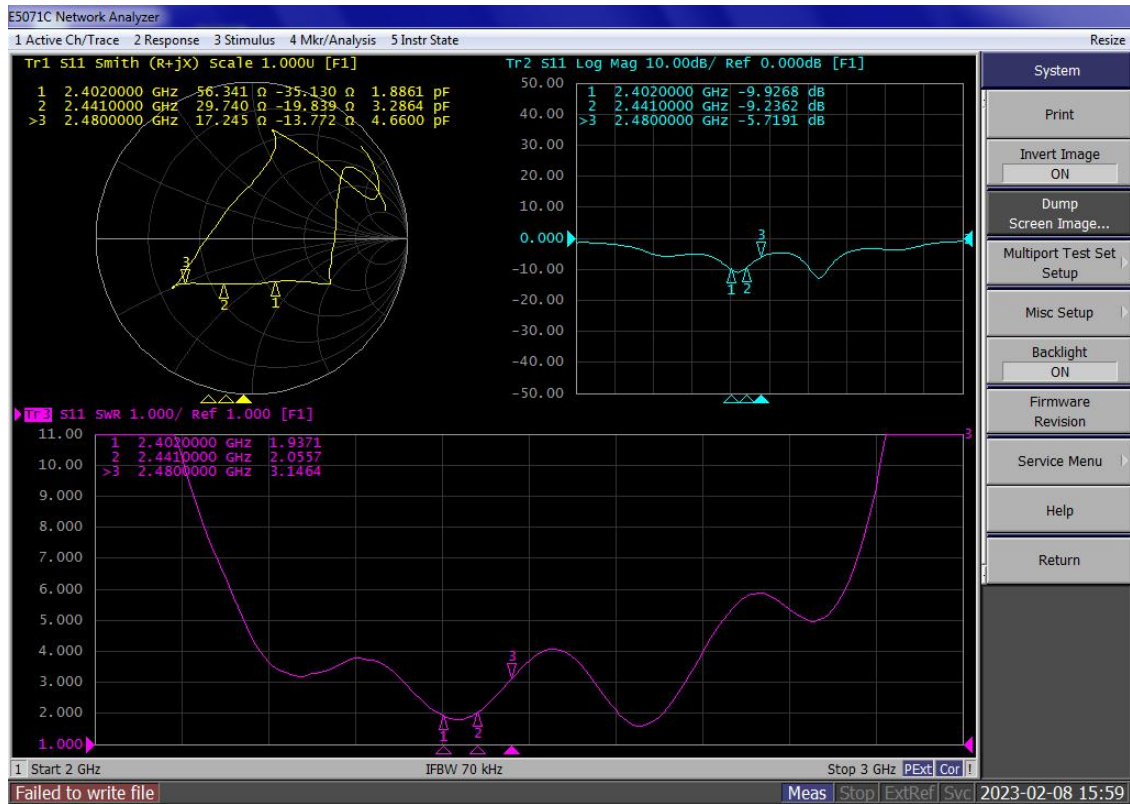
Antenna Photo & Length (mm)



天线无源 S 参数:

Antenna passive S-parameters:

驻波比 (VSWR)、回波损耗 (Return Loss) 及史密斯圆图 (Smith)

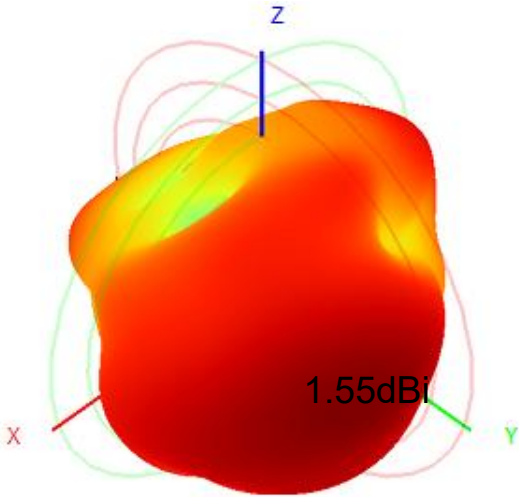


天线效率及增益:

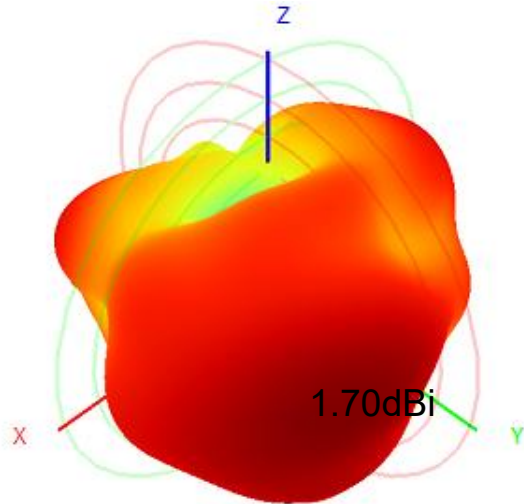
Antenna efficiency and gain:

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2400.0	2410.0	2420.0	2430.0	2440.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Efficiency (dBi)	-5.32	-5.32	-5.26	-5.21	-5.14	-5.09	-5.06	-4.99	-4.86	-4.81	-4.73
Gain (dBi)	1.55	1.44	1.60	1.71	1.66	1.70	1.48	1.25	1.16	0.83	0.71
Efficiency (%)	34.36	34.40	34.77	35.15	35.60	35.96	36.16	36.69	37.68	33.02	33.67
Directivity (dB)	6.88	6.75	6.87	6.91	6.80	6.79	6.54	6.24	6.02	5.64	5.44
Peak Gain Position (Theta)	68.00	68.00	68.00	68.00	68.00	69.00	69.00	69.00	69.00	69.00	70.00
Peak Gain Position (Phi)	62.00	61.00	61.00	60.00	59.00	58.00	58.00	57.00	56.00	56.00	54.00
Efficiency ThetaPol (%)	21.44	21.40	21.54	21.61	21.70	21.78	21.85	22.20	22.98	23.40	24.05
Efficiency PhiPol (%)	7.93	8.00	8.23	8.53	8.90	9.18	9.32	9.50	9.70	9.62	9.62
Upper Hem. Efficiency (%)	20.11	19.97	20.29	20.61	20.66	21.04	20.98	20.97	21.47	16.14	16.30
Lower Hem. Efficiency (%)	14.25	14.43	14.48	14.53	14.94	14.92	15.18	15.72	16.21	16.87	17.36

2400MHz:1.55dBi



2450MHz:1.70dBi



2500MHz:0.71dBi

