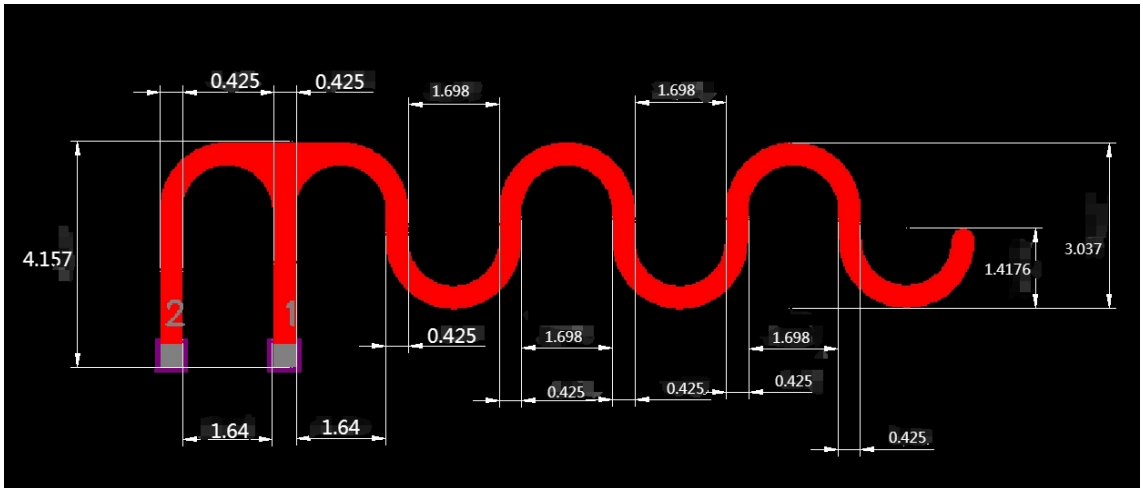
2.4G-2.48G 频段板载 PIFA 天线测试报告

2.4G-2.48G **Inverted F Antenna Specification**

SPECIFICATIONS	
Frequency（MHz）	2400-2480
Peak Gain（dBi）	2.499
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

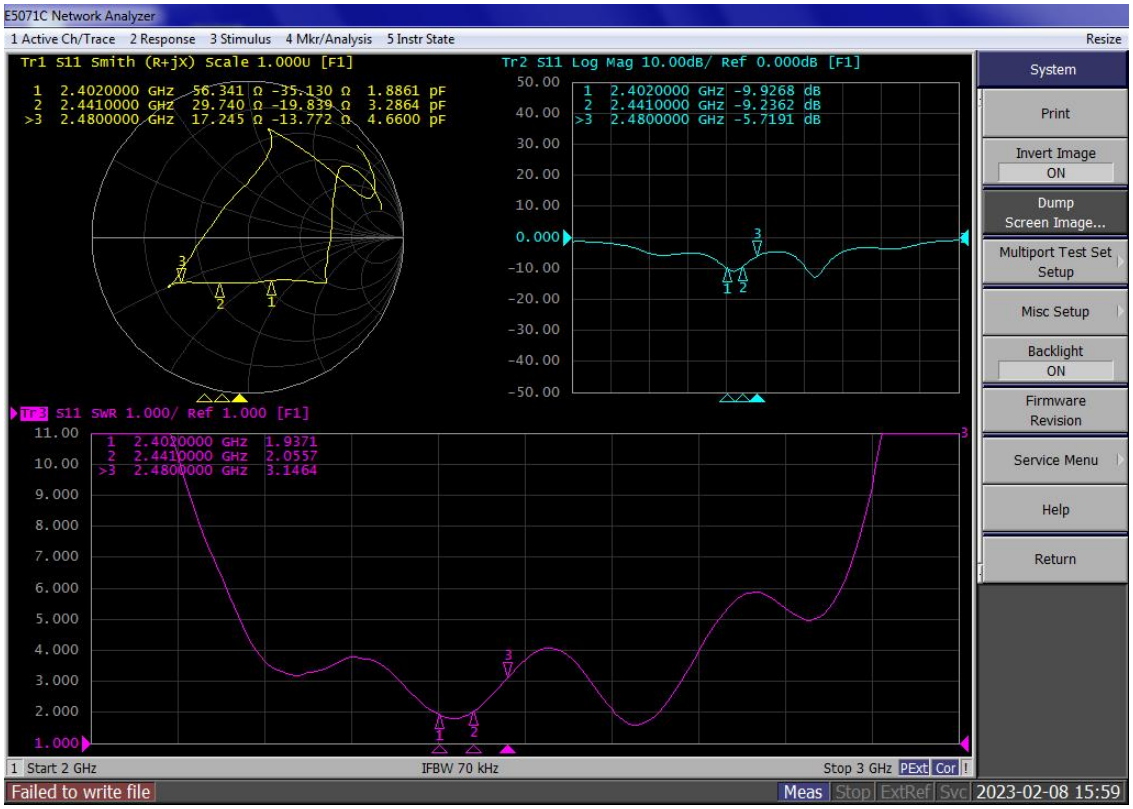
Antenna Photo & Length (mm)



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）

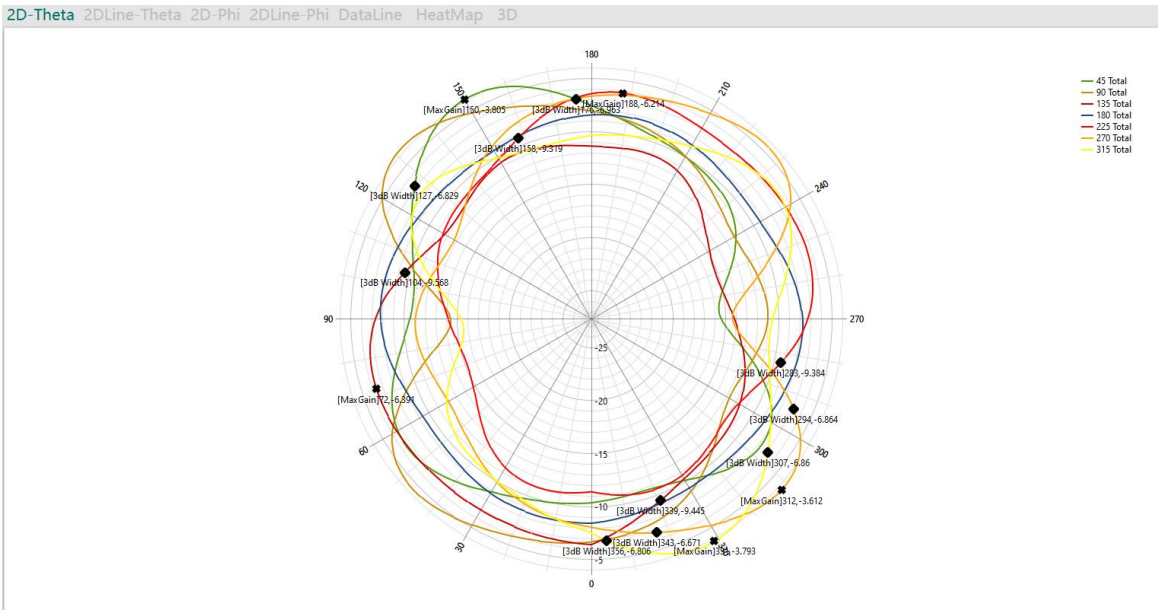


天线效率及增益：

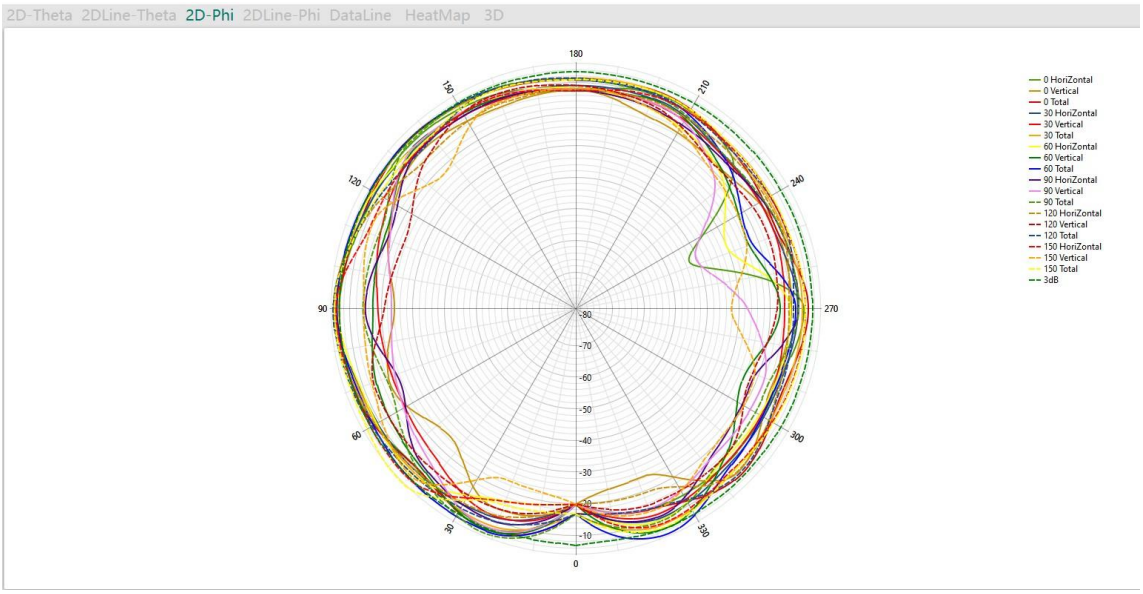
Antenna efficiency and gain：

Frequency（MHz）	Gain（dBi）	Effciency（%）	AverageGain（dBi）	Efficiency（dB）
2400	1.433	59.329%	-2.717	-2.267
2410	0.927	51.861%	-3.416	-2.852
2420	0.829	52.112%	-3.166	-2.831
2430	0.881	49.299%	-3.258	-3.072
2440	1.192	50.672%	-3.144	-2.952
2450	1.688	53.067%	-2.735	-2.752
2460	2.194	59.423%	-2.276	-2.260
2470	2.118	56.680%	-2.438	-2.466
2480	2.499	61.727%	-2.112	-2.095
Average	1.529	54.908%	-2.806	-2.616
Peak	2.499	61.727%	-2.112	-2.095

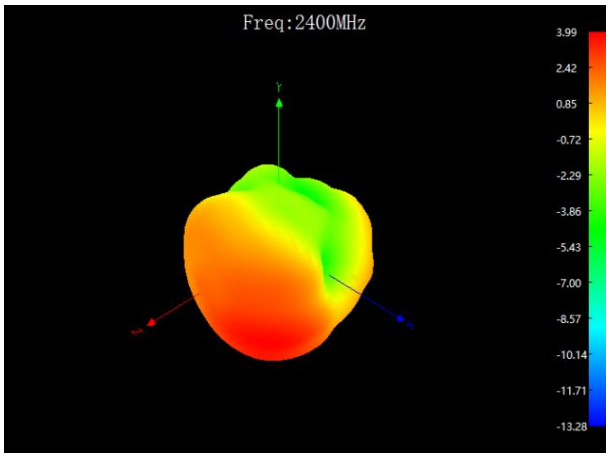
天线 2440MHz 2D-Theta Pattern



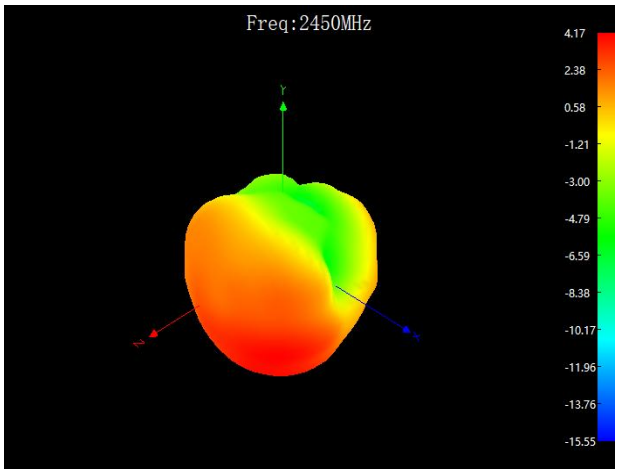
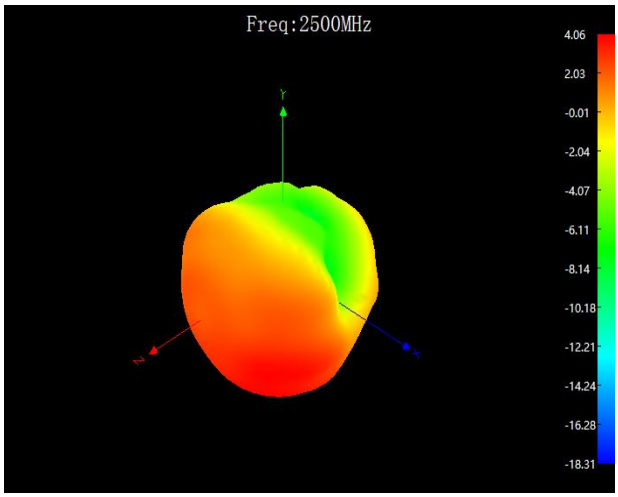
天线 2440MHz 2D-Phi Pattern



天线 2400MHz 3D-Horizontal Pattern



天线 2450MHz 3D-Vertical Pattern



2500MHz 3D-Total Pattern