Specification For Approval

客户名称: Customer:	Shenzhen Novtie Technology Co.,LTD.		
供应商名称: Customer:	Shenzhen Novtie Technology Co.,LTD. Building 8, Rundongsheng Industrial Area, Longteng Community, Xixiang Street, Bao'an District, Shenzhen, 518000, China		
客户料号: Customer NO:		供应商料号: Supplier NO:	
Product description:	F017- Built-in flexible board antenna 1.13 wire black L=125MM first-generation terminal		
供应商承认(盖章): Supplier acknowledges (Seal)		客户承认(盖章): The customer acknowledges (Stamps):	
制作：周景峰 Produced:ZhouJingfeng	结构：周景峰 Structure: Zhou Jingfeng		
审核： Review:	日期：2025.06.25 DATA:		

Directory

I. Product Images

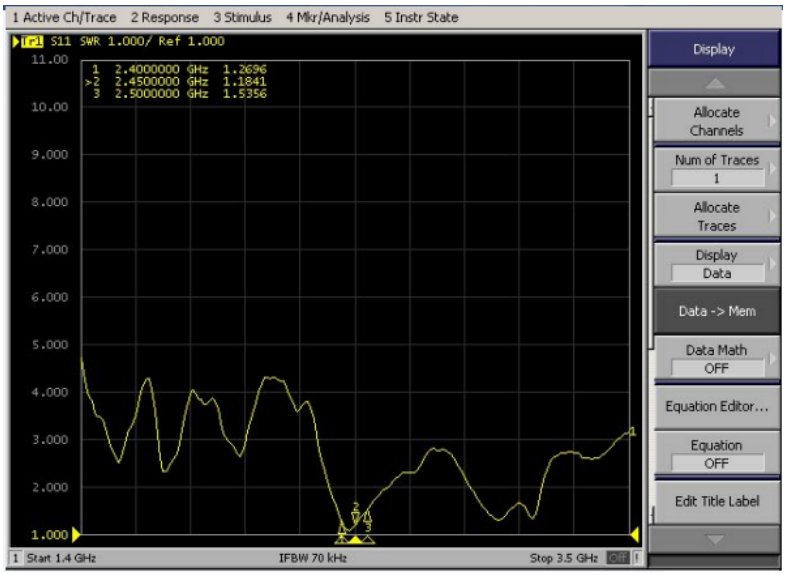
II. Product Parameters

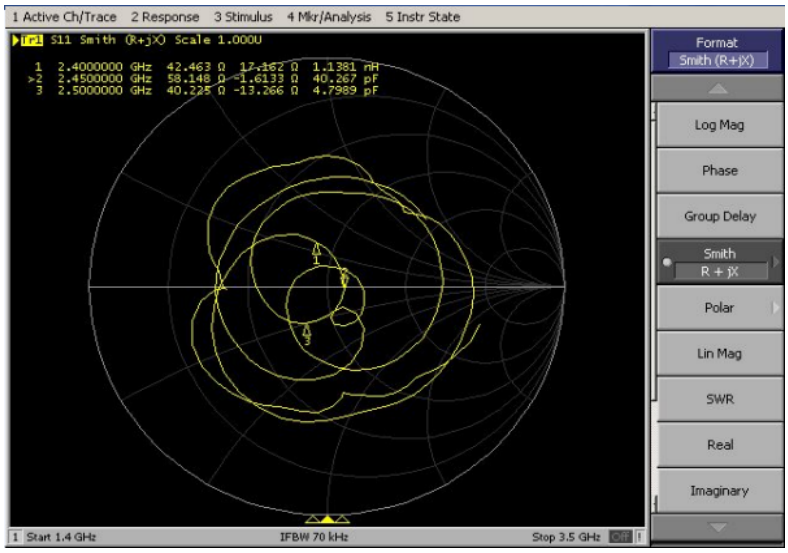
Product Test Parameters			
产品名称**(Name)**	FPC flexible circuit WIFI antenna	产品型号**(Model Type)**	F017 1.13 L=125MM
电 性 能 指 标 (Electrical Specifications)			
频率范围 **(Frenquency Range)**	2400-2500MHz	极化方式 （**Polarization**）	**Vertical**
输入阻抗**(Impedance)**	50 Ω	辐射方向**(Radial direction)**	**Omni-direction**
驻波比（**VSWR**）	≦2	功率容量**(Power)**	50W
增益**(Gain)**	5.55dBi	带宽 **(Bandwidth)**	20/40MHz

机 械 指 标 (Mechanical Specifications)			
尺寸 (Dimensions)	49.5*25.2	天线颜色(Chassis Color)	Black
连 接 器 型 号 (Connector)	First-generation terminal	引线长度(Cable Length)	125MM±2MM
天 线 材 料 (Chassis Material)	FPC		
工作温度 (Working Temperature)	-40℃ ±85℃	存放温度 (Limit Temperature)	-40℃ ±85℃

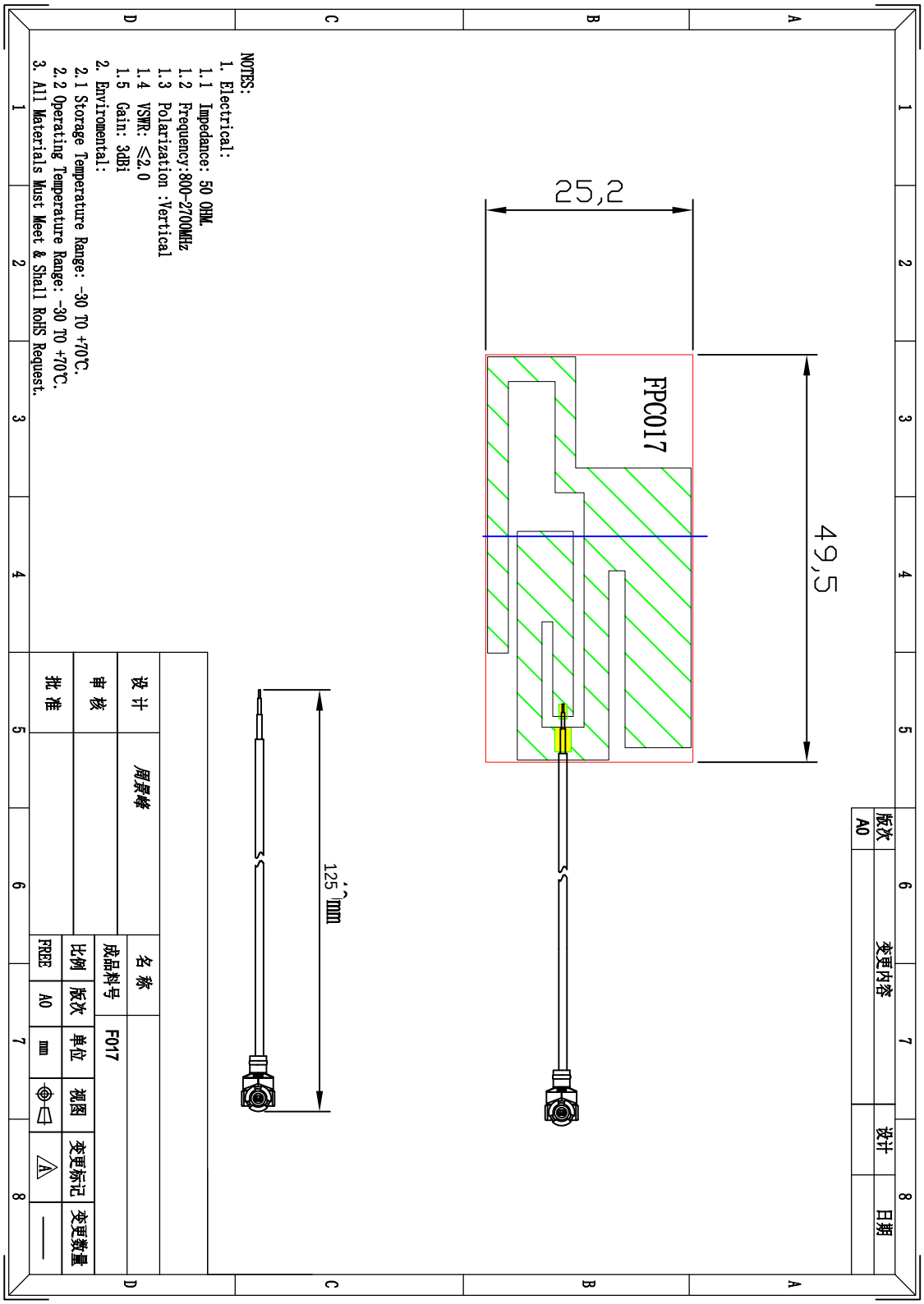
III.S11（ VSWR 、Return loss 、Smith）DATA

1.1 Network Analyzer Report





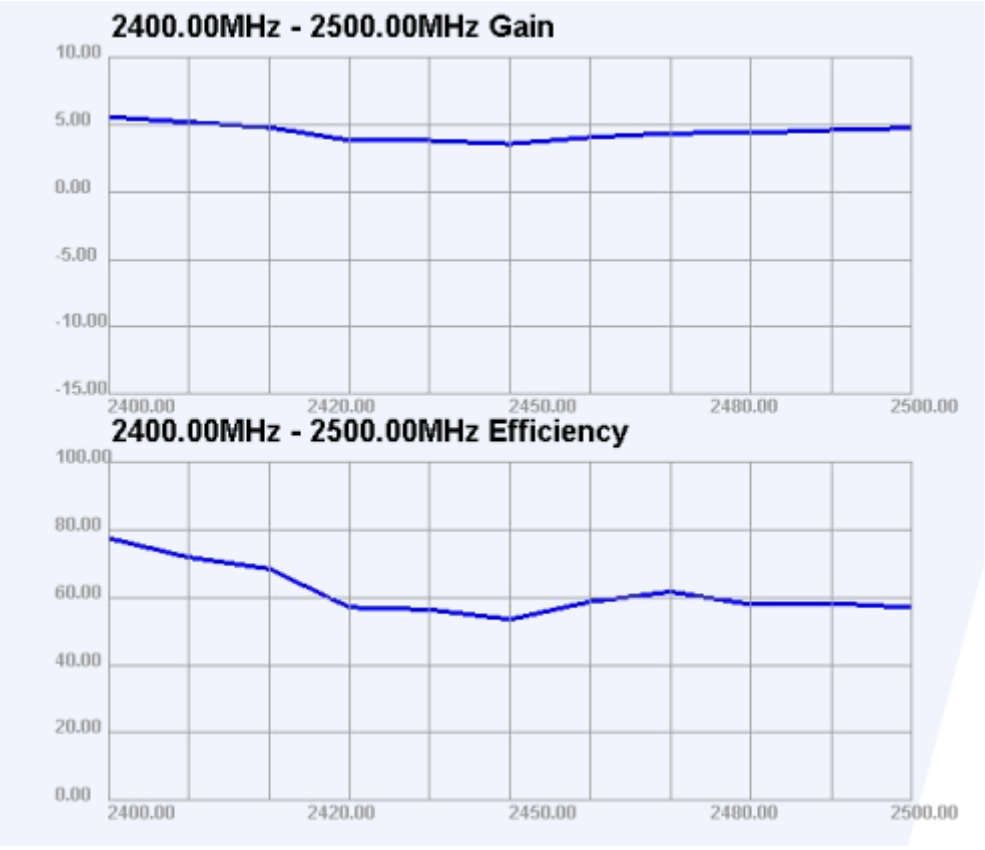
IV.Product Size drawings



V. Efficiency and Gain of 2.4G-2.5G Antennas

Passive Test For 2.4G												
Freq	Effi	Effi	Gain	Gain	UHIS	DHIS	Max	Min	Directivity	Beamwidth	AttH	AttV
(MHz)	(%)	(dB)	(dBi)	(dBd)	(%)	(%)	(dB)	(dB)	(dBi)	(3dB)	(dB)	(dB)
2400	77.44	-1.11	5.55	3.4	27.699	49.744	5.55	-15.2	6.66	15	49.66	49.8
2410	71.78	-1.44	5.17	3.02	25.287	46.493	5.17	-17.18	6.61	15	49.33	49.6
2420	68.41	-1.65	4.79	2.64	23.466	44.941	4.79	-17.58	6.43	15	49.12	49.04
2430	57.02	-2.44	3.83	1.68	19.031	37.987	3.83	-22.17	6.27	15	48.59	48.53
2440	56.35	-2.49	3.8	1.65	18.531	37.815	3.8	-22.45	6.3	15	48.55	48.47
2450	53.47	-2.72	3.57	1.42	17.483	35.985	3.57	-16.44	6.28	15	48.5	48.38
2460	58.7	-2.31	4.04	1.89	18.986	39.715	4.04	-16.64	6.36	30	48.71	48.85
2470	61.62	-2.1	4.35	2.2	19.51	42.11	4.35	-16.36	6.46	30	48.79	48.82
2480	57.86	-2.38	4.37	2.22	18.213	39.65	4.37	-18.01	6.75	30	48.97	49.06
2490	58.28	-2.34	4.59	2.44	18.603	39.676	4.59	-15.65	6.93	30	48.91	49.13
2500	56.93	-2.45	4.73	2.58	18.302	38.626	4.73	-15.92	7.18	30	48.93	49.17

VI.2.4G-2.5G gain & efficiency chart



VII.2.4G-2.5G 2D&3D orientation maps