

VS126 原理样机 天线无源性能测试记录

测试时间：2025/7/22

版本型号

PoE

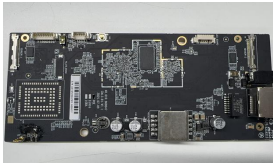
4G

ANT

2.4G WiFi

2.4G WiFi

治具图



治具条件

S/N

6515F2933799 000077

6515F2955696 00XXX8

导电泡棉

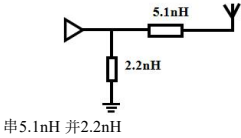
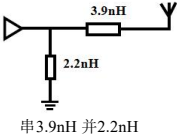
无

屏蔽罩上5个

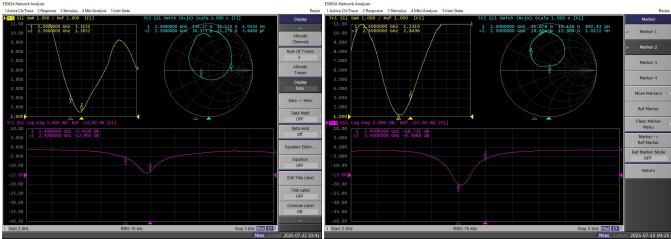
天线尺寸

40×4mm²

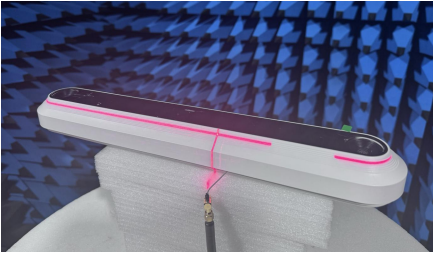
匹配电路



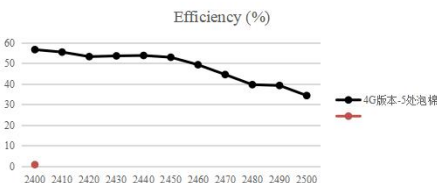
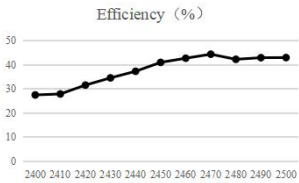
阻抗特性



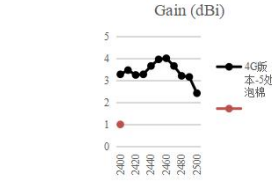
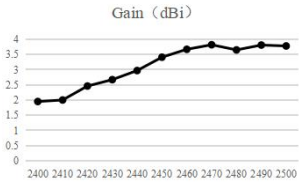
测试图



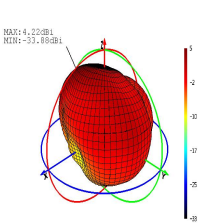
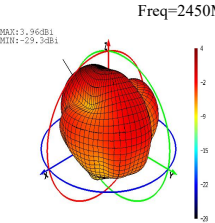
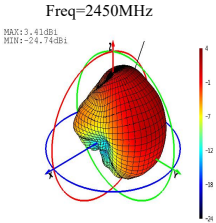
效率



增益



方向图



测试时间：2025/7/22

Poe版本	Frequency ID	1	2	3	4	5	6	7	8	9	10	11
	Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
	Gain (dBi)	1.95	2	2.46	2.67	2.97	3.41	3.67	3.82	3.65	3.81	3.78
	Efficiency (dB)	-5.61	-5.54	-5.01	-4.62	-4.29	-3.88	-3.7	-3.53	-3.74	-3.67	-3.67
	Efficiency (%)	27.5	27.9	31.57	34.55	37.28	40.97	42.69	44.35	42.24	42.91	42.95
4G版本-5 处泡棉	Frequency ID	1	2	3	4	5	6	7	8	9	10	11
	Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
	Gain (dBi)	3.28	3.47	3.25	3.28	3.66	3.96	4.01	3.66	3.21	3.16	2.42
	Efficiency (dB)	-2.46	-2.56	-2.73	-2.7	-2.69	-2.76	-3.06	-3.5	-4.01	-4.05	-4.63
	Efficiency (%)	56.72	55.52	53.33	53.68	53.88	53.01	49.4	44.65	39.75	39.35	34.47