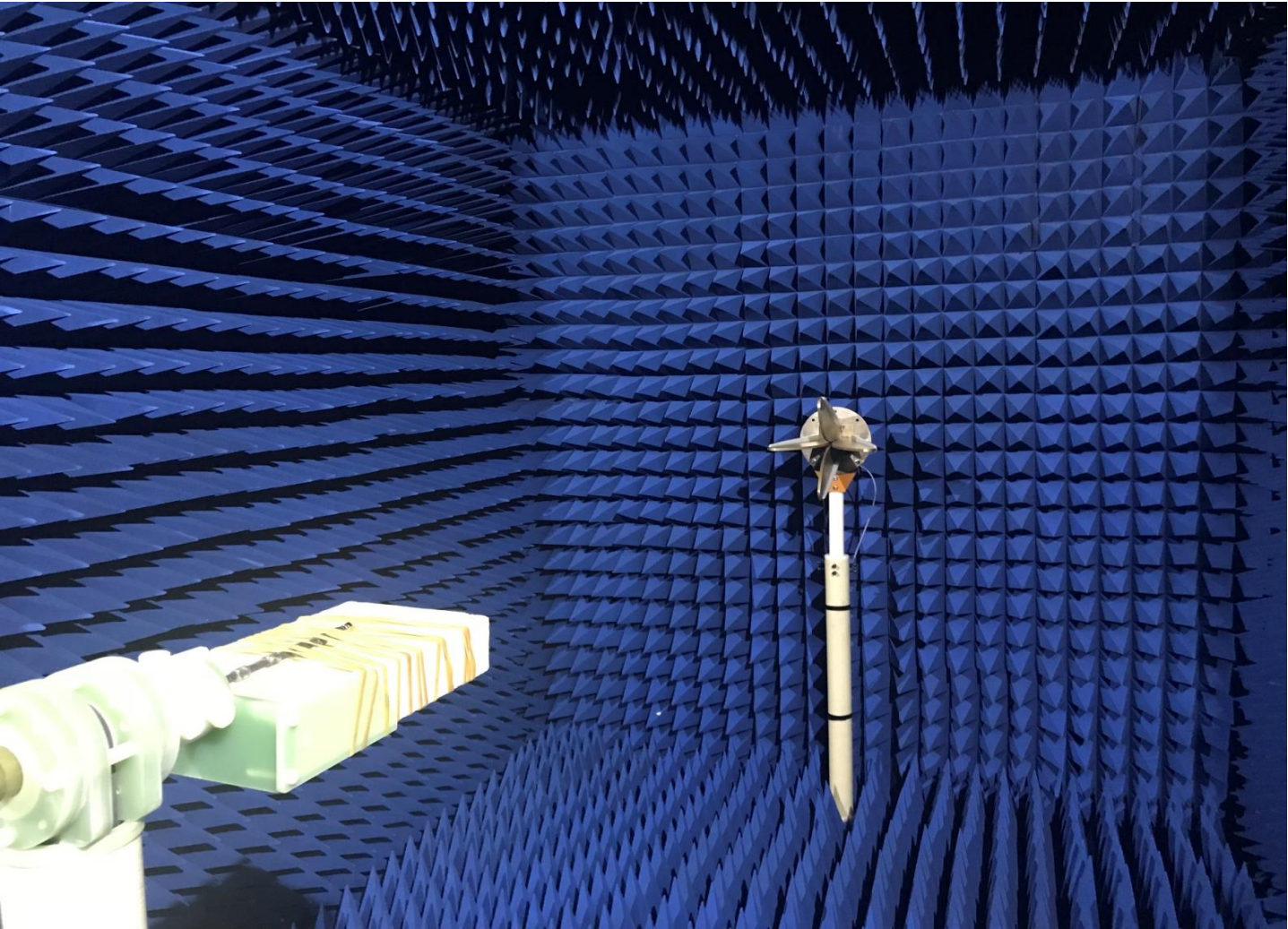


2.4G-2.48G Test Report of On-Board PIFA Antenna for Frequency Bands

SPECIFICATIONS	
Frequency (MHz)	2400-2480
Peak Gain (dBi)	-2.05
Average Gain (dBi)	> -2
VSWR	< 1.6
Impedance (Ω)	50
Antenna Type	Plannar Inverted F on board
Polarization	Linear

Test Environment: Shenzhen Youli Technology Co., Ltd.



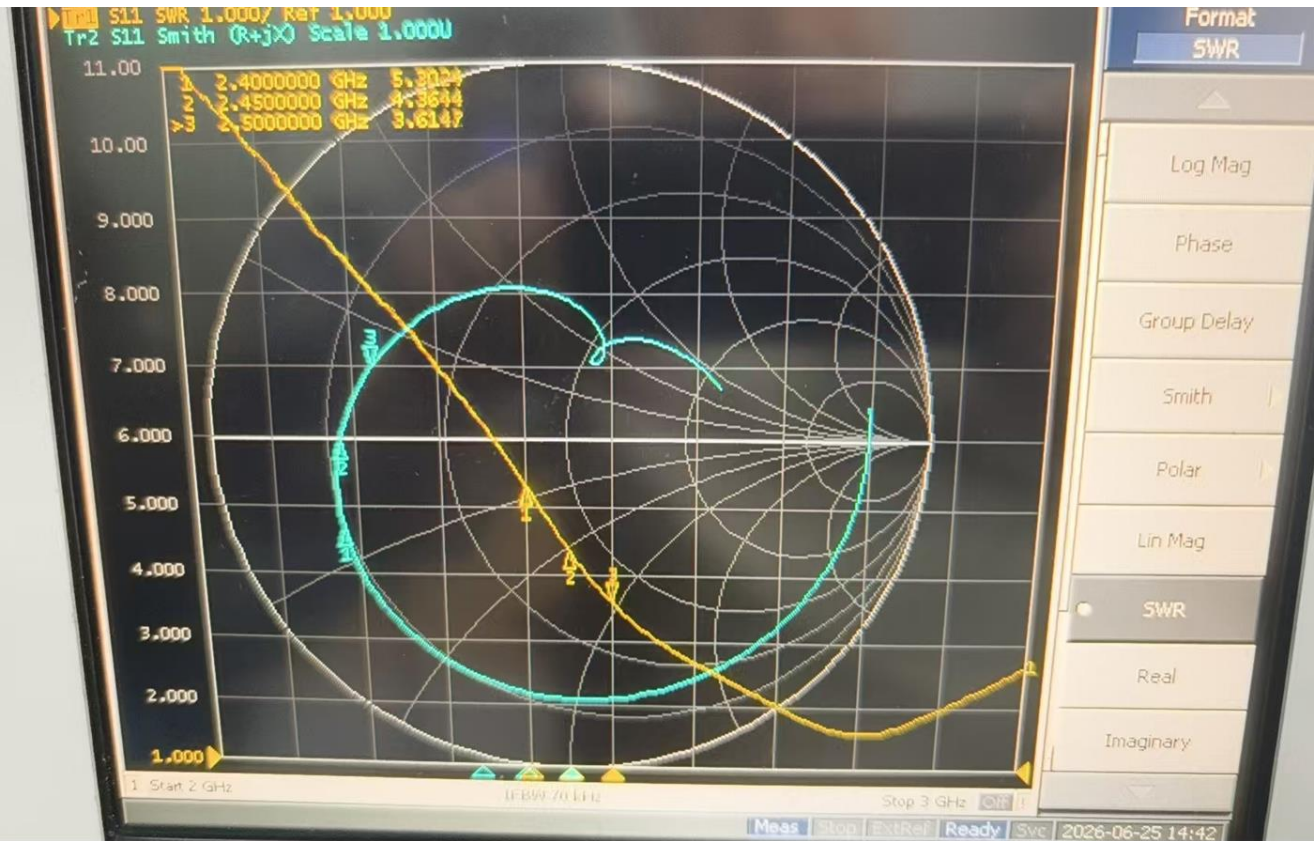
Antenna Physical Object and Dimensions



Passive S-Parameters — Return Loss



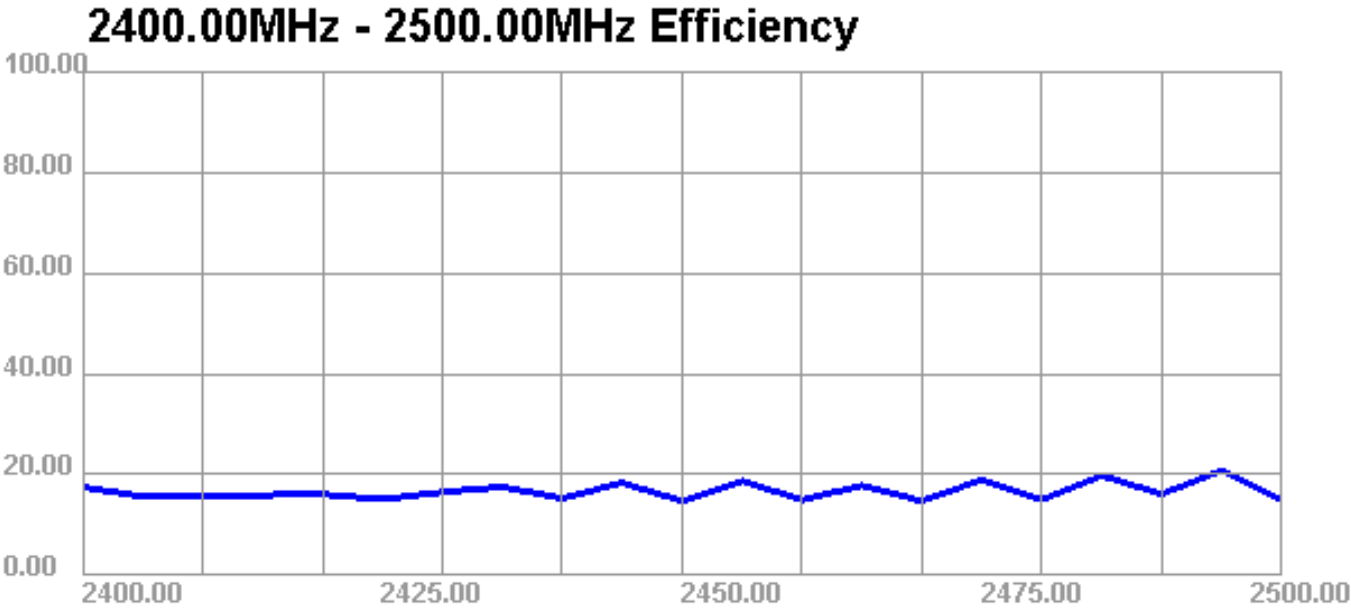
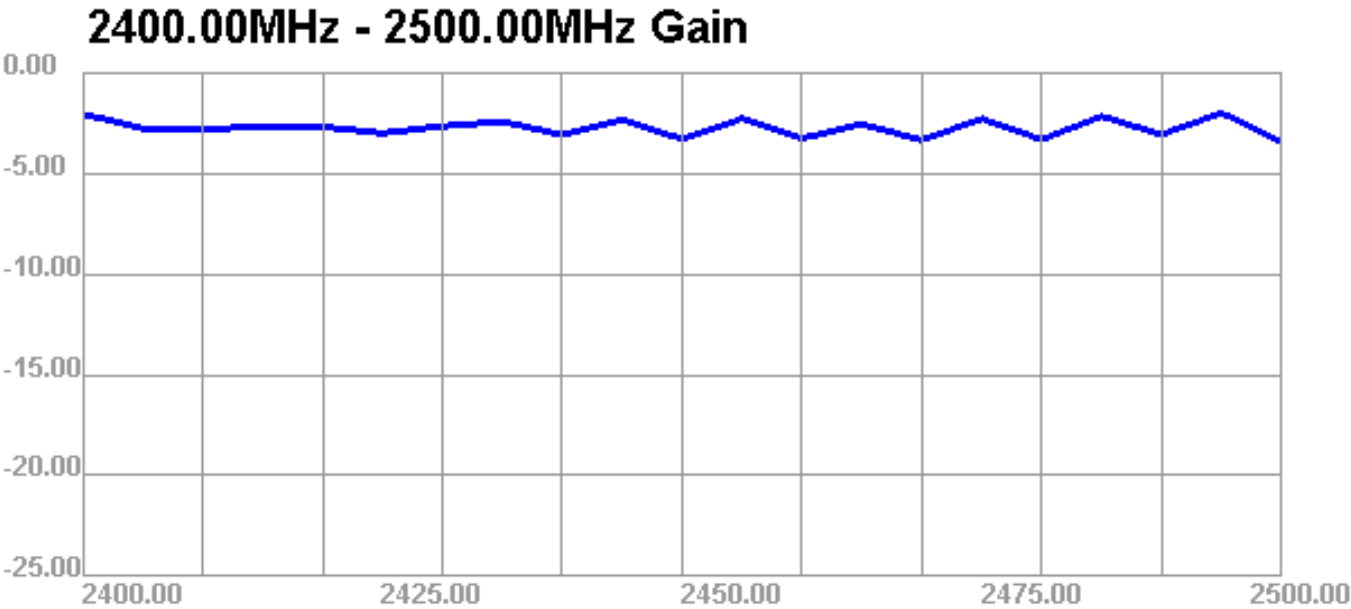
Smith



Antenna Efficiency and Gain

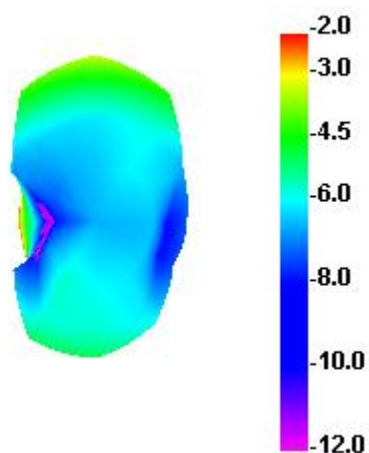
Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)
2400	17.5	-7.57	-2.05	-4.2
2405	15.67	-8.05	-2.77	-4.92
2410	15.73	-8.03	-2.77	-4.92
2415	15.96	-7.97	-2.73	-4.88
2420	16.12	-7.93	-2.68	-4.83
2425	15.11	-8.21	-3	-5.15
2430	16.54	-7.82	-2.66	-4.81
2435	17.58	-7.55	-2.43	-4.58
2440	15.3	-8.15	-3.08	-5.23
2445	18.39	-7.35	-2.34	-4.49
2450	14.76	-8.31	-3.29	-5.44

Freq (MHz)	Effi (%)	Effi (dB)	Gain (dBi)	Gain (dBd)
2450	14.76	-8.31	-3.29	-5.44
2455	18.73	-7.27	-2.28	-4.43
2460	14.99	-8.24	-3.26	-5.41
2465	17.83	-7.49	-2.55	-4.7
2470	14.78	-8.3	-3.35	-5.5
2475	18.97	-7.22	-2.28	-4.43
2480	15.03	-8.23	-3.32	-5.47
2485	19.8	-7.03	-2.16	-4.31
2490	16.14	-7.92	-3.07	-5.22
2495	20.79	-6.82	-2	-4.15
2500	15.05	-8.22	-3.42	-5.57

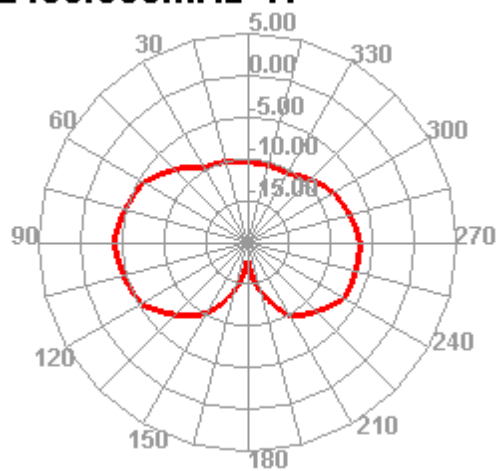


H 面

2400.000MHz

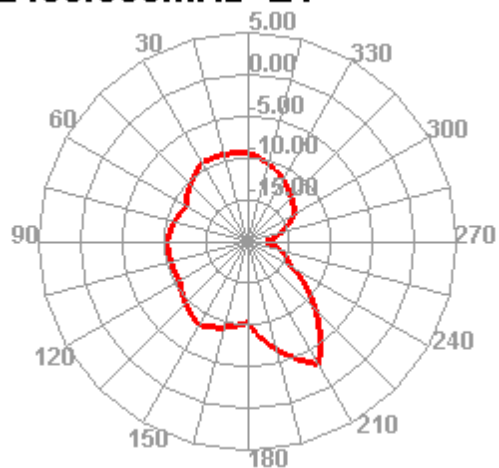


2400.000MHz H

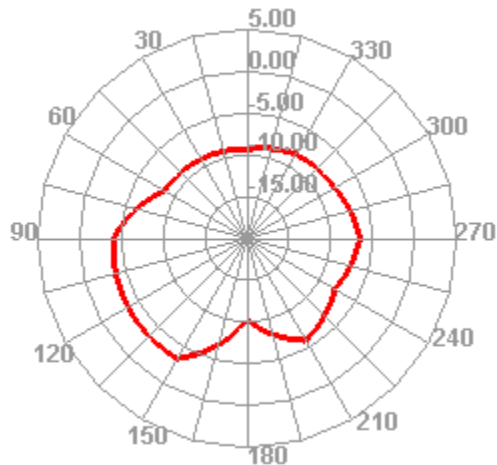


E 面

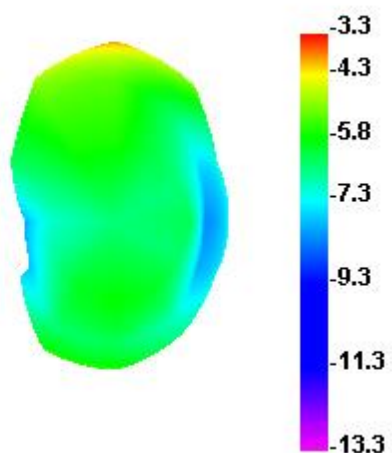
2400.000MHz E1



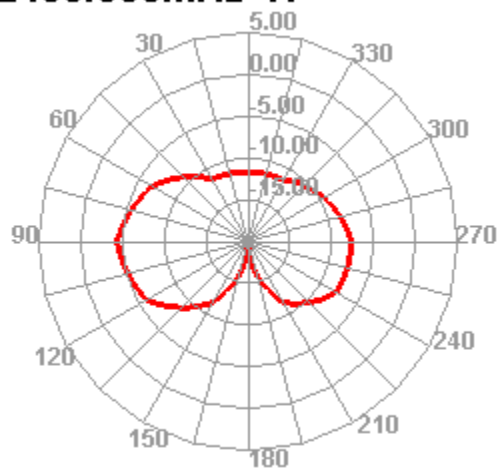
2400.000MHz E2



2450.000MHz



2450.000MHz H



Manufacturer:Zhuhai Xprinter Electronics Technology Co.,Ltd.

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