



Shenzhen Shuodian Electronic Technology Co.,Ltd

Specification

for

IFS104-V2.0 2.4G

antenna

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1. Specifications

NO.	ITEMS	DETAILS
1	model	IFS104-V2.0
2	Frequency band	2400-2500MHz
3	VSWR	≤ 1.4
4	GAIN	0.46 dBi
5	Impedance	50 Ω
6	Antenna type	Diople
7	Antenna implementation form	PCB+spring+coaxial cable

3.Product electrical performance test data

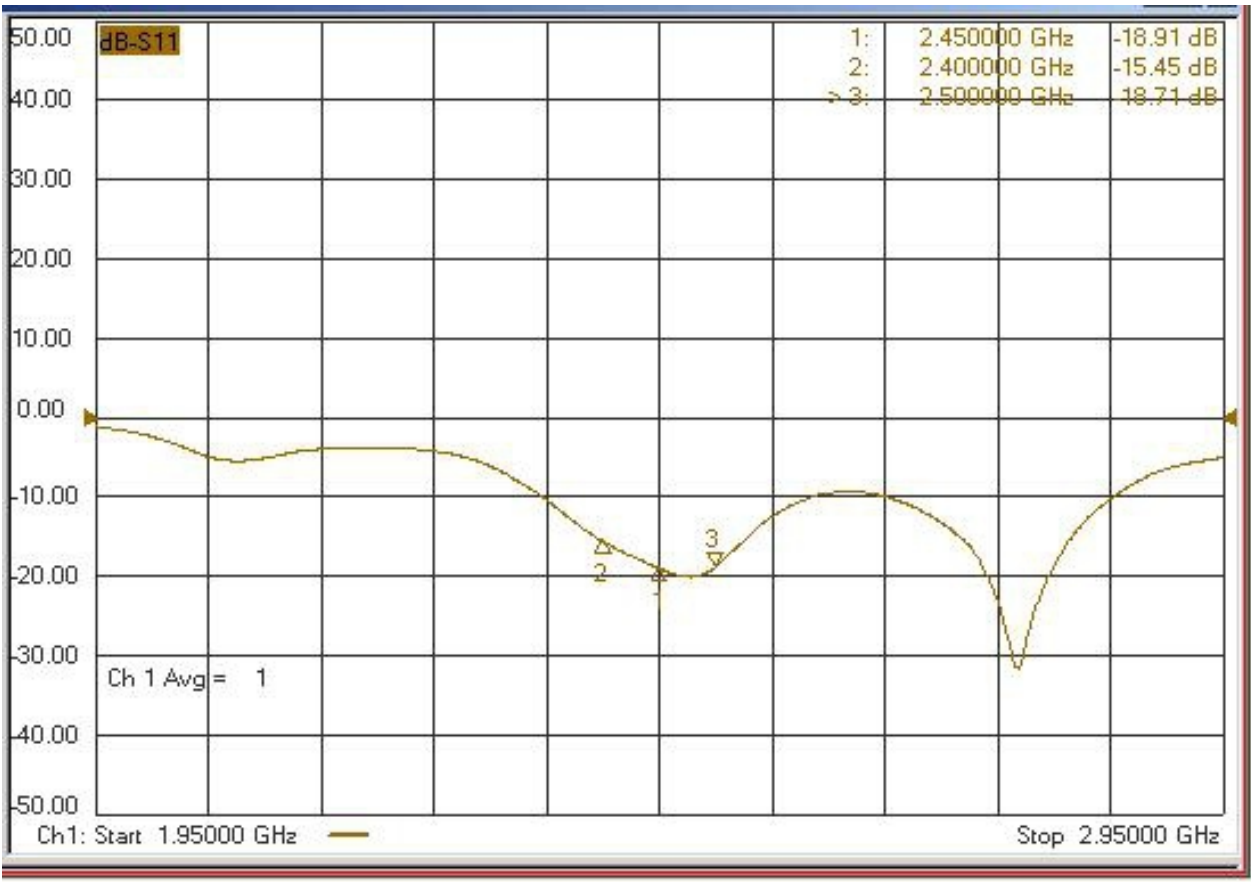
3.1 Testing environment and instrument equipment

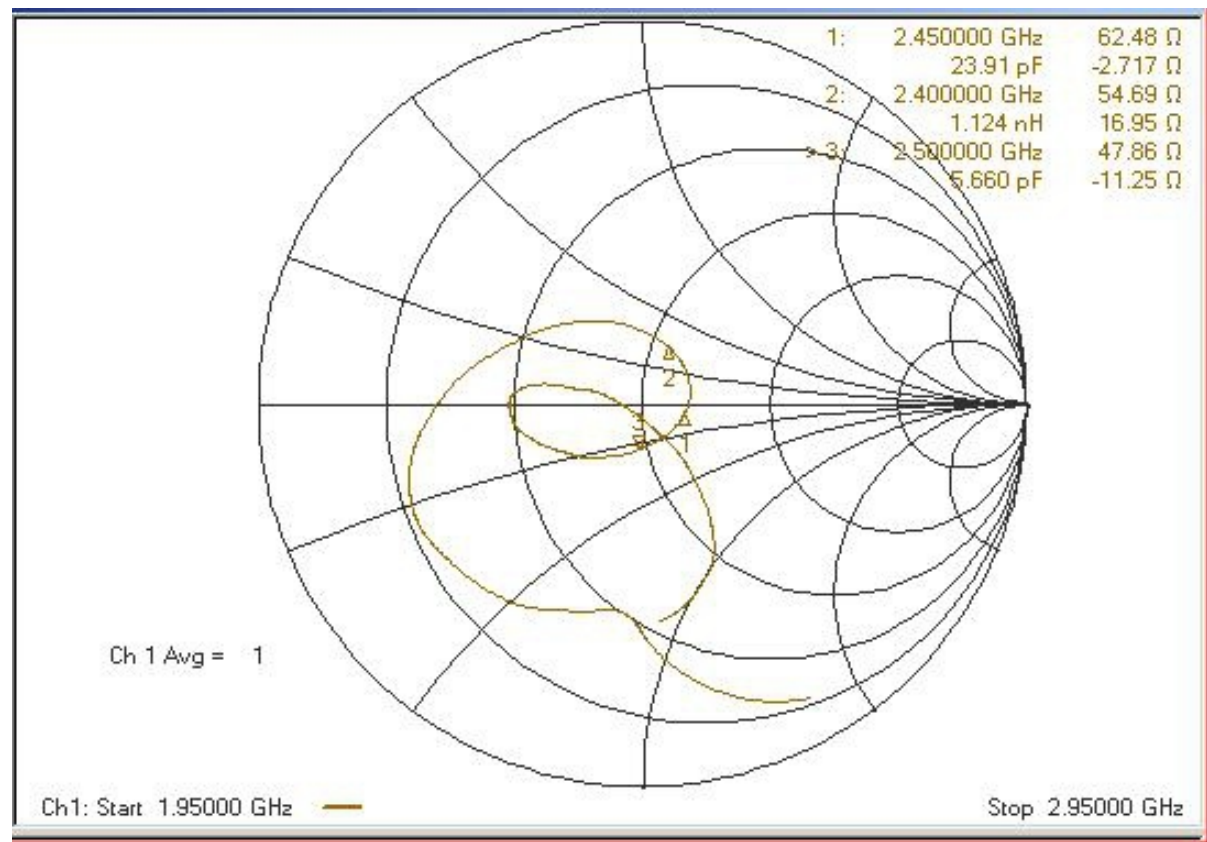
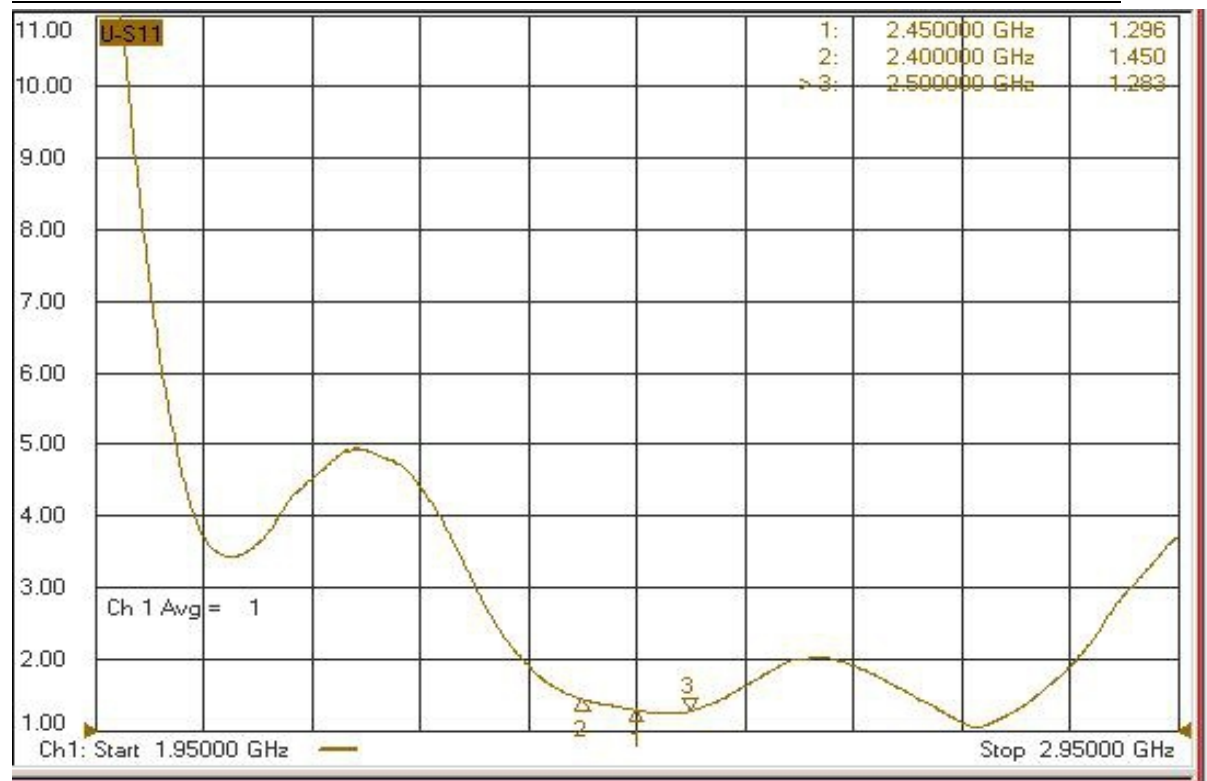
testing environment: temperature: 10℃——+30℃ humidity: ≤80% (+40℃) atmospheric pressure: 750mmkg±30mmkg	Test equipment: Network analyzer Agilent E8358A ETS anechoic chamber
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3.2 Product electrical performance test data:

S11 picture:

Marker	2400MHz	2450MHz	2500MHz
Returnloss	-15.5	-18.9	-18.7
VSWR	1.4	1.2	1.2





3.3 Gain efficiency and directional pattern of antenna:

频率 (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	-0.42	-0.28	-0.14	0.04	0.36	0.46	0.02	-0.21	-0.48	-0.55	-0.75
Efficiency (%)	40.7	38.9	38.5	38.2	38.3	38.9	38.2	37.1	35.4	33.1	31.2

2450MHz Direction diagram:

