

SPECIFICATION FOR APPROVAL

CUST OMER: Shenzhen Ai-Thinker Technology Co., Ltd

Model Name: ESP-15F

Antenna Type: PCB Print Antenna

Frequency band: 2.4GHz

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Product specification

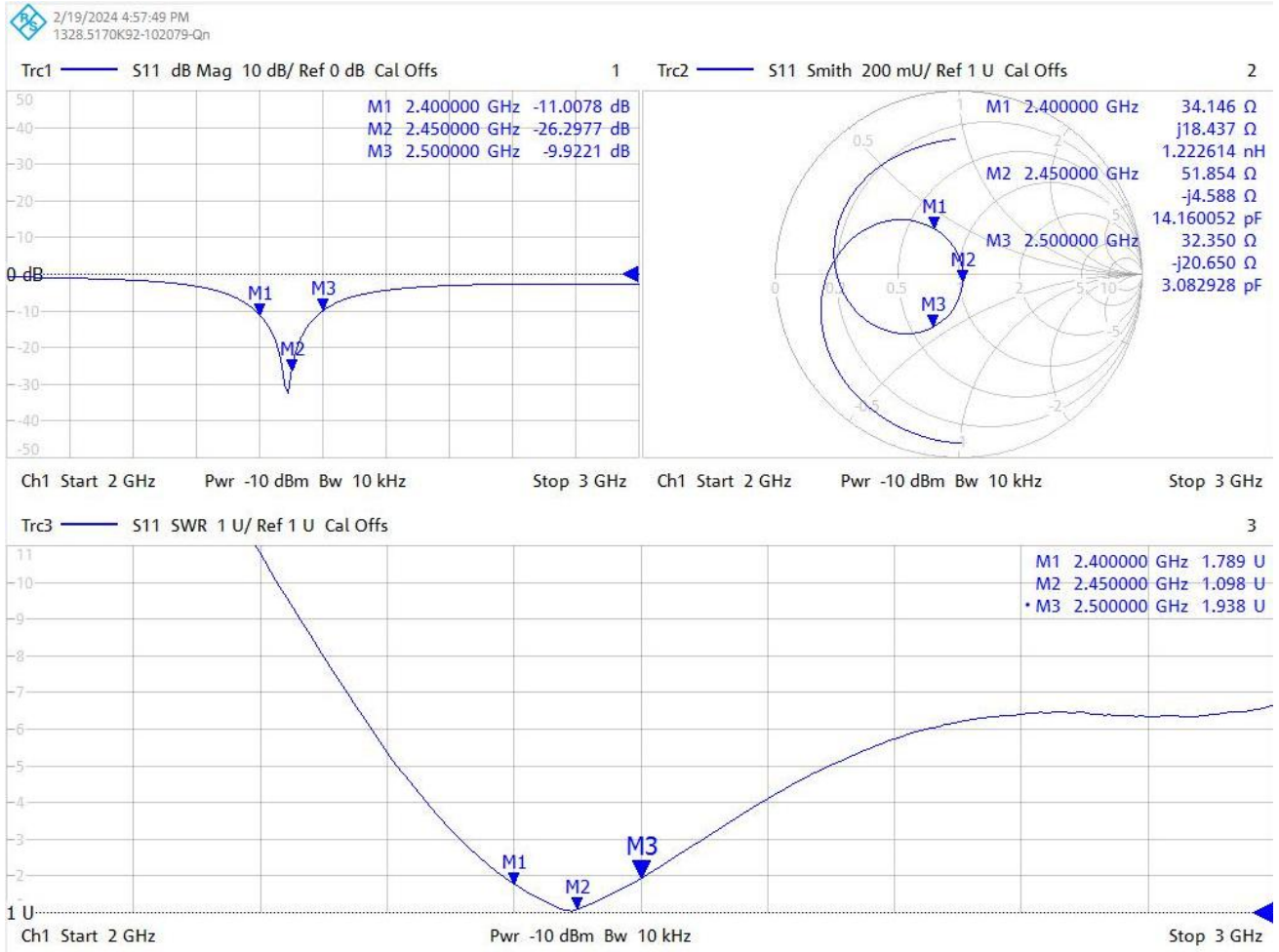
1、 Antenna Dimension



2、 Performance parameter

Name	2.4G Antenna
Type	PCB Print Antenna
ELECTRICAL SPECTFICATIONS	
Frenquency Range	2400-2500MHz
Band Width	100MHz
Impedance	50 Ω
VSWR	< 2.0
Max Gain	-0.2dBi
Polarization	Vertical/Horizontal
Radiation	Omnidirectional
Power	50 W
MECHANICAL SPECTFICATIONS	
Connector	Welding type
Working Temperature	-40℃ - + 85℃
Limit Temperature	-40℃ - + 125℃

2、VSWR

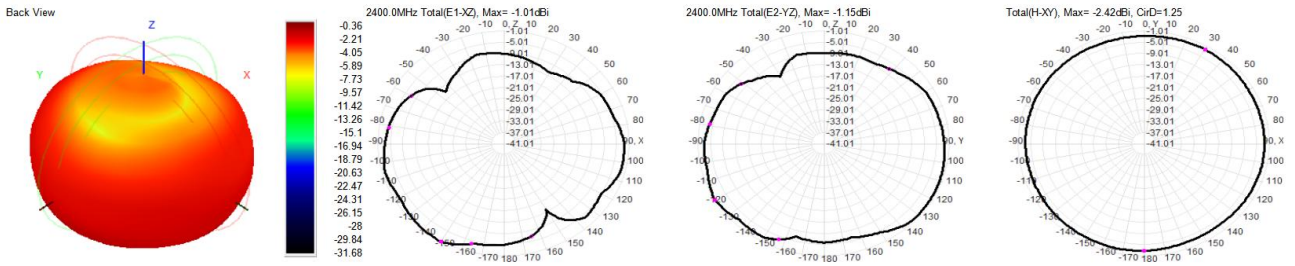


3、Passive test data:

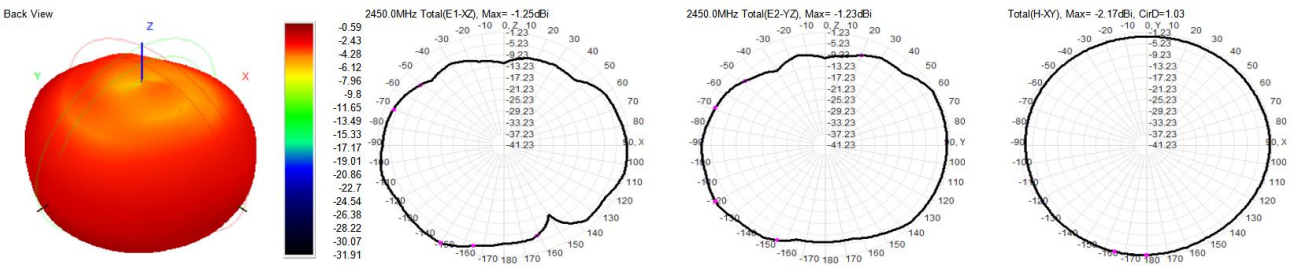
Frequency (MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500
Gain (dBi)	-0.36	-0.32	-0.44	-0.45	-0.48	-0.59	-0.60	-0.63	-0.57	-0.28	-0.20
Efficiency (%)	38.90	37.33	35.86	37.36	40.14	42.84	45.67	47.61	49.35	51.34	52.12

4、Radiation pattern

2400MHz



2450MHz



2500MHz

