
Product specifications acknowledgment

Manufacturer: Shenzhen Helixun Technology Co., LTD

Description: WiFi Antenna

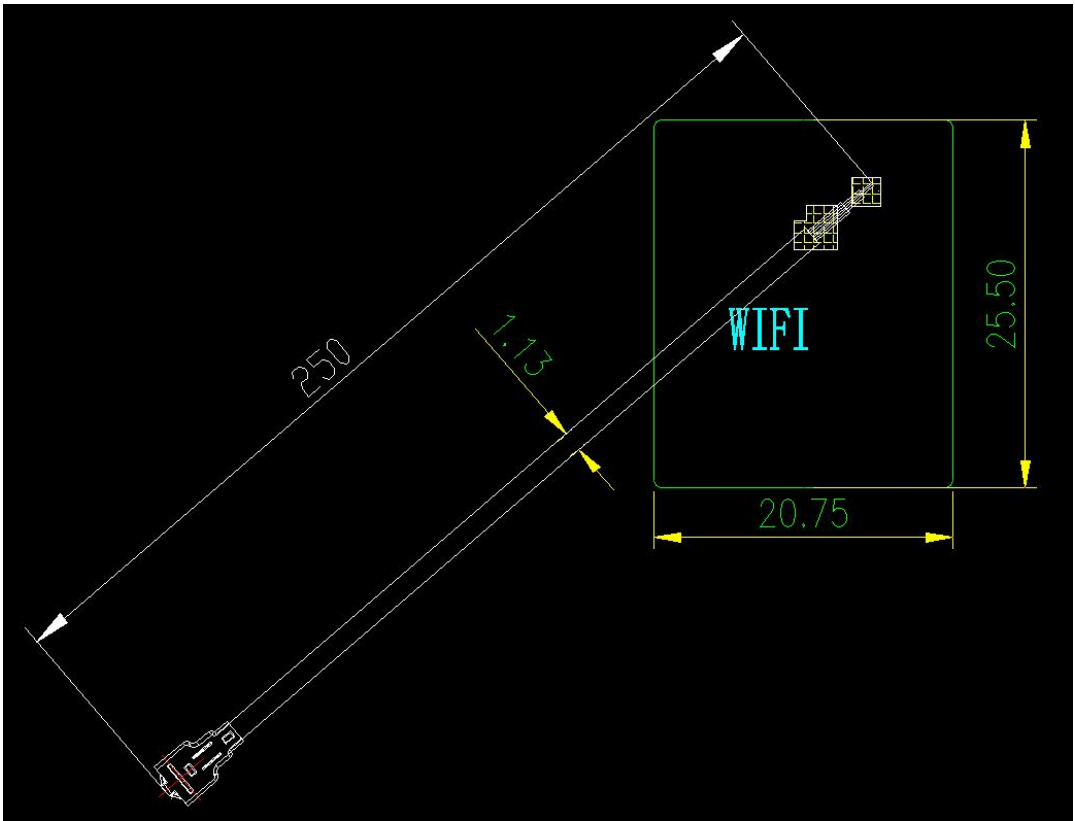
Product Type: YTX-TX-003021A

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Product Specification

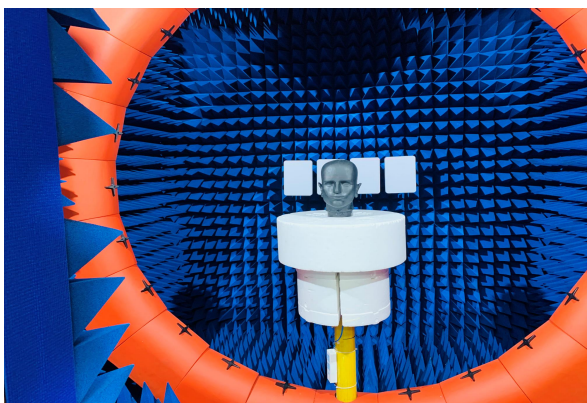
Main technical specifications			
Antenna Type		IFA	
Frequency Range (MHz)		2400-2500MHz	
Impedance(Ω)		50	
Gain(dBi)		0.86	
VSWR		≤1.61	
Physical Properties			
Size (mm)	20.75*25.5		
Material	FPC		
Cable	SY113	black	250mm

Product Drawing



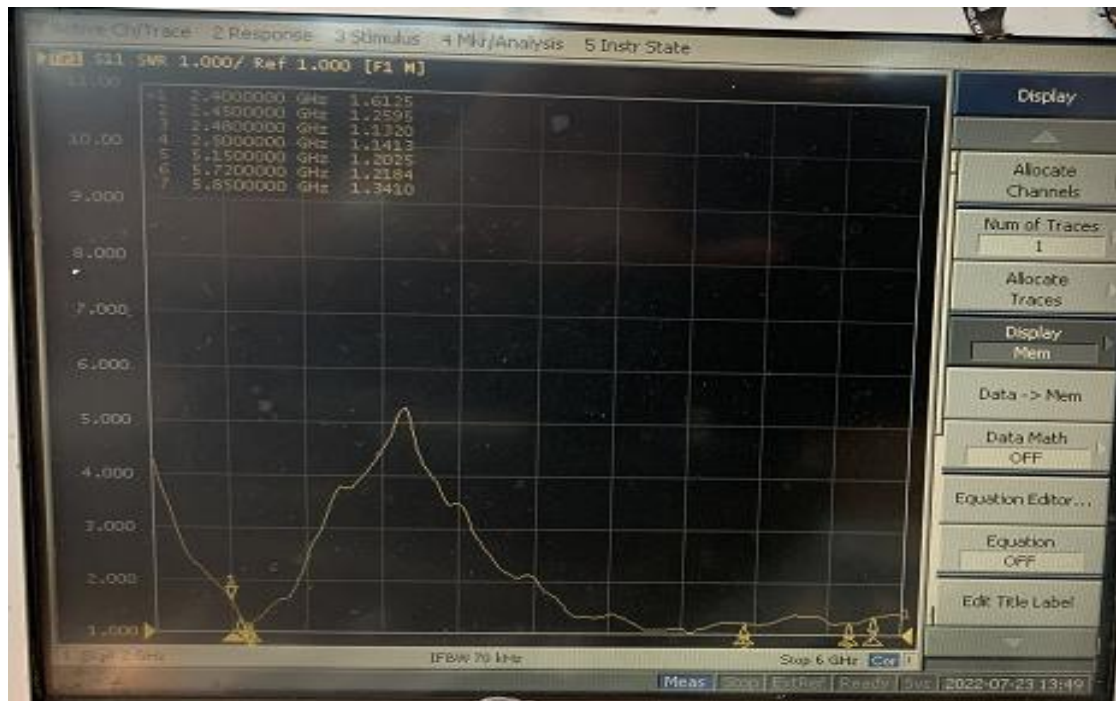
Test Equipment & Conditions

Sequence Number	Test Item	equipment
S parameter	VSWR	Agilent 5071C Agilent 5071B
OTA Test	TRP&TIS	Agilent 8960 RS CMW500 ETS SATIMO
Gain & Efficiency	Gain & Efficiency	ETS SATIMO Agilent 5071C



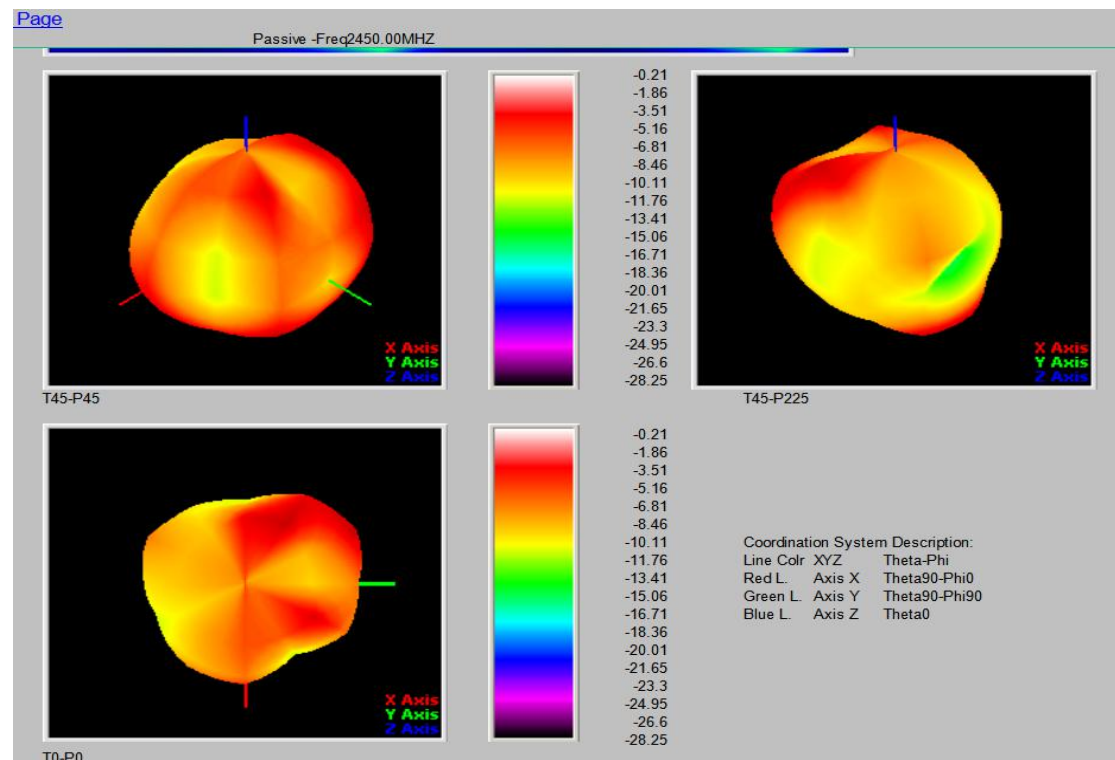
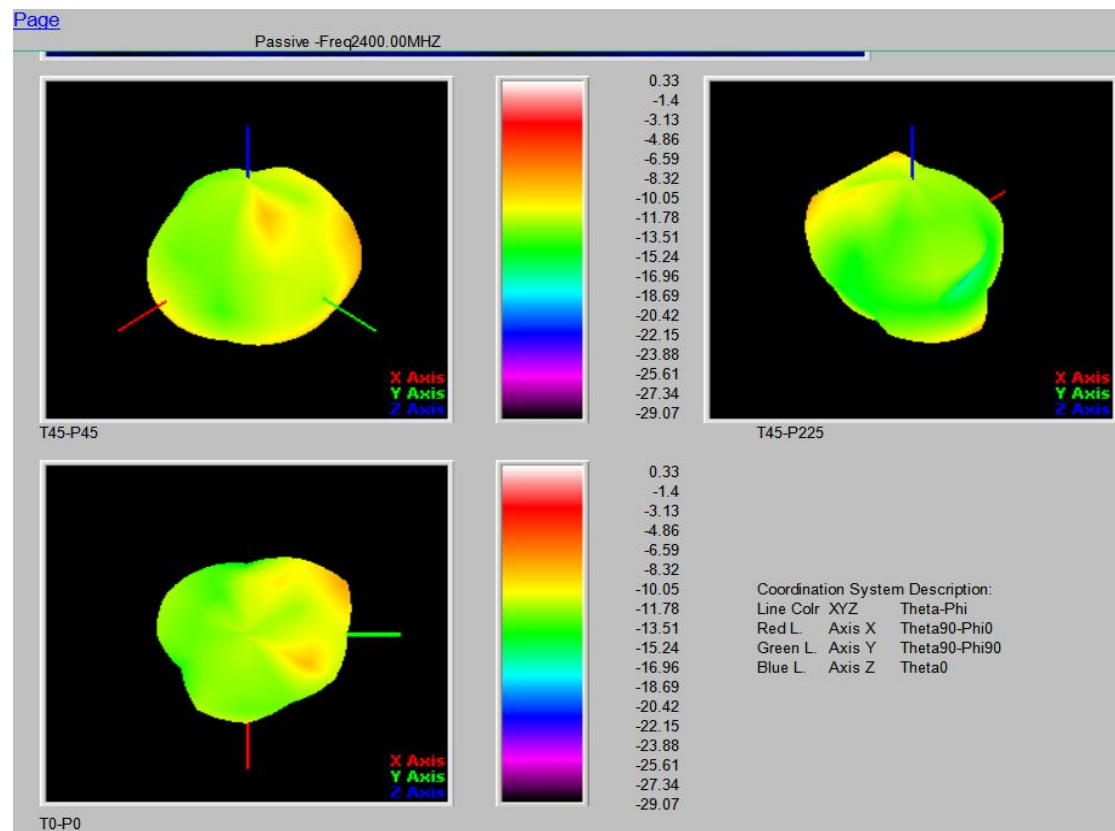
Test Report

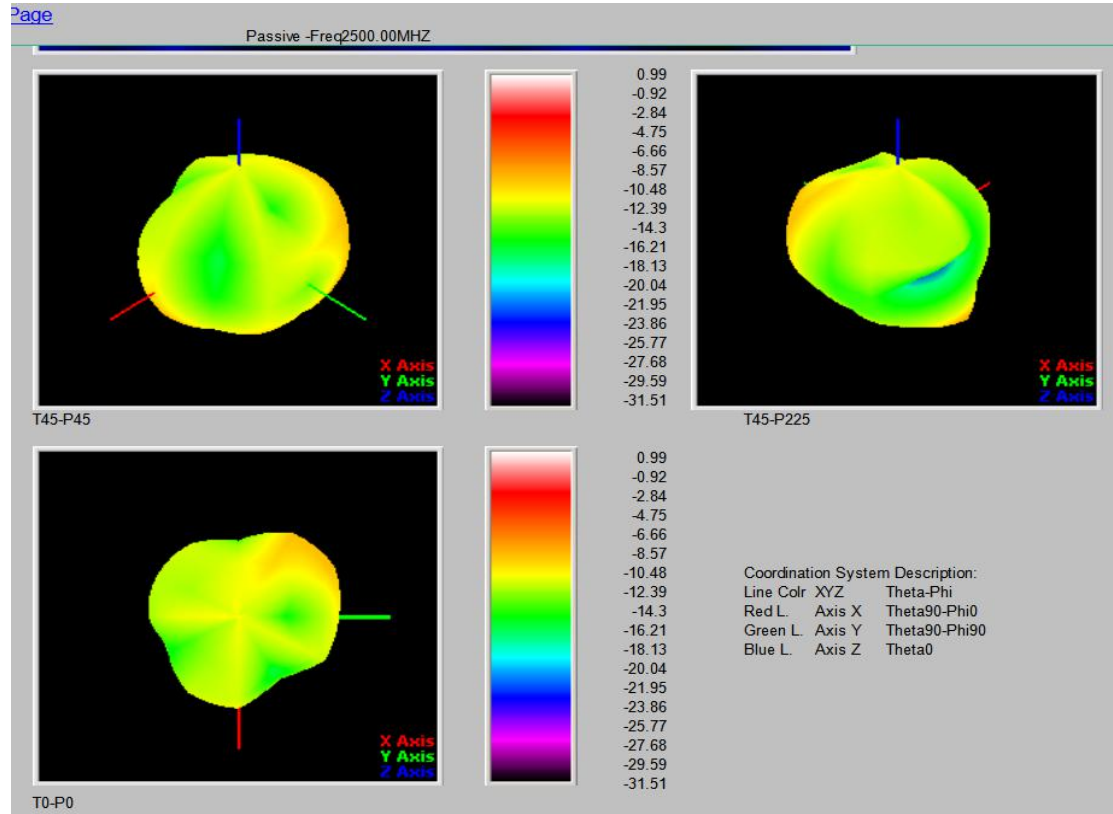
S11 Parameter-VSWR



Frequency(MHz)	2400	2450	2500
VSWR	1.61	1.25	1.14

Radiation Pattern (3D)





Efficiency

Freq (MHz)	Gain(dBi)	Eff (dB)
2400	0.33	-3.99
2410	0.4	-4.04
2420	0.28	-4.08
2430	0.06	-4.18
2440	-0.35	-4.24
2450	-0.21	-4.13
2460	0.09	-4.01
2470	0.66	-3.9
2480	0.86	-3.84
2490	1.01	-3.65
2500	0.99	-3.58