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## Product specifications acknowledgment

**Manufacturer:** Shenzhen Helixun Technology Co., LTD

**Description:** BT Antenna

**Product Type:** YTX-TX-003022A

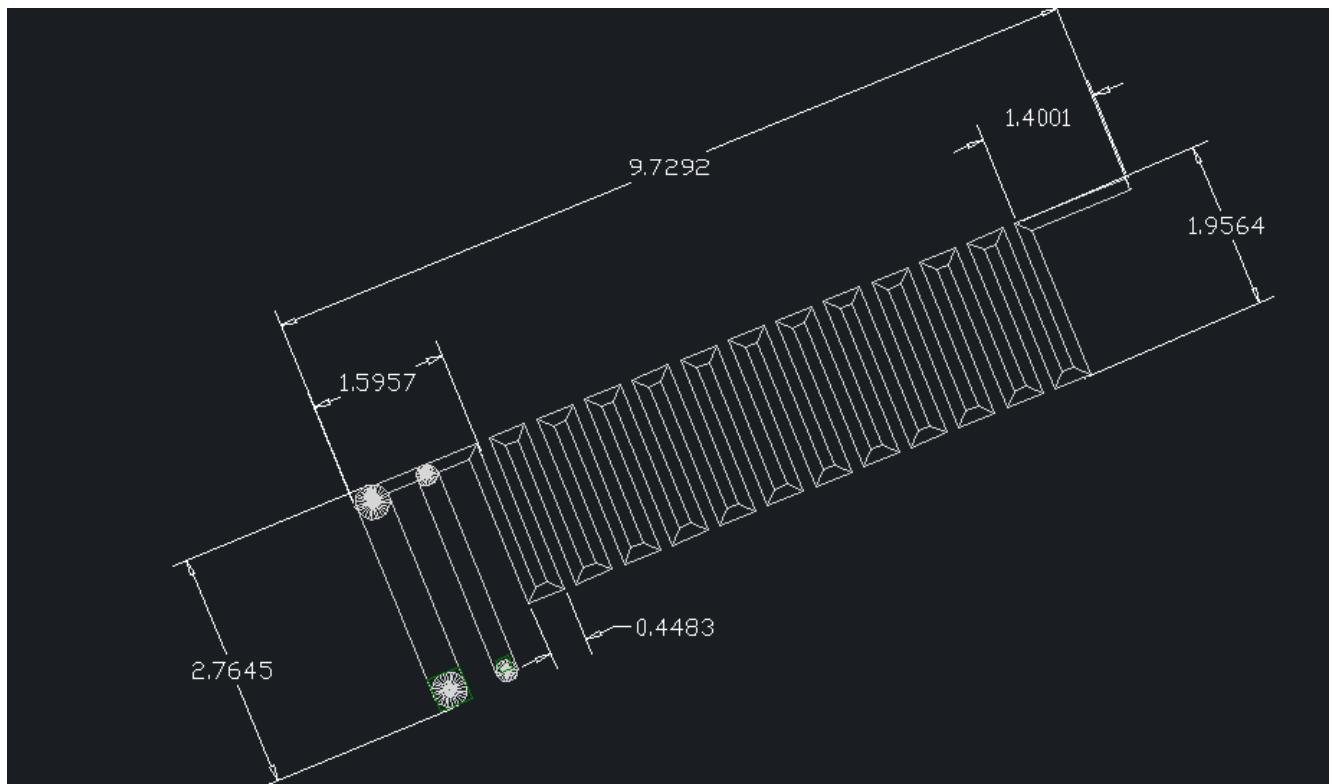
Shenzhen Helixun Technology Co., LTD  
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Longgang Avenue, Danzhu Tou Community, Nanwan Street, Longgang District,  
Shenzhen

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## Product Specification

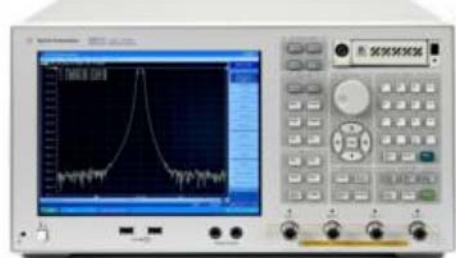
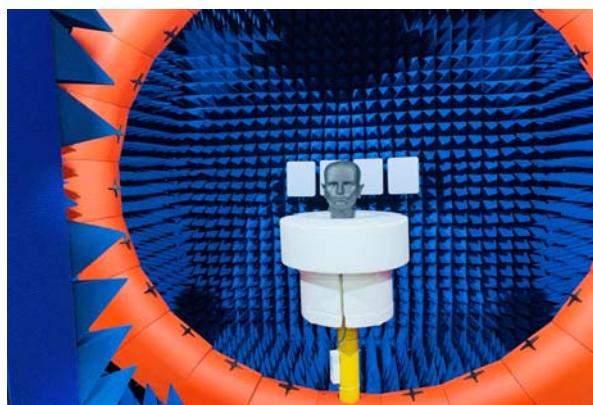
Main technical specifications			
Frequency Range (MHz)			2400–2500MHz
Impedance ( $\Omega$ )			50
Gain (dB)			1. 22
VSWR			$\leq 2$
Physical Properties			
Size (mm)	30*21		
Material	FPC		
Cable	SY113	black	250mm

## Product Drawing



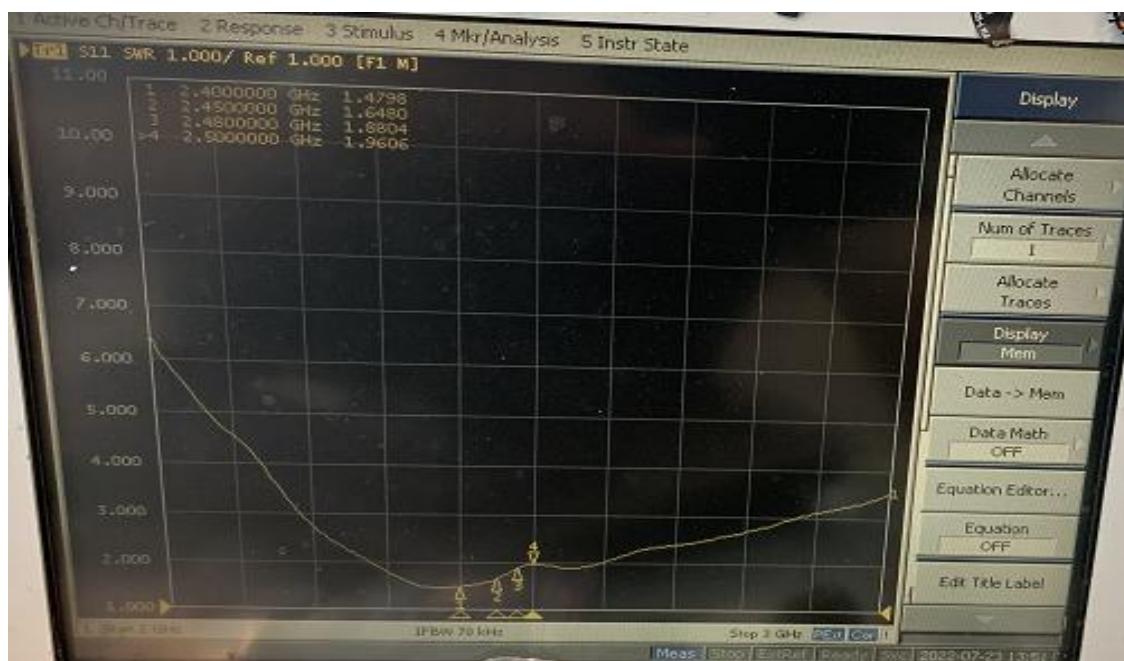
## Test Equipment & Conditions

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



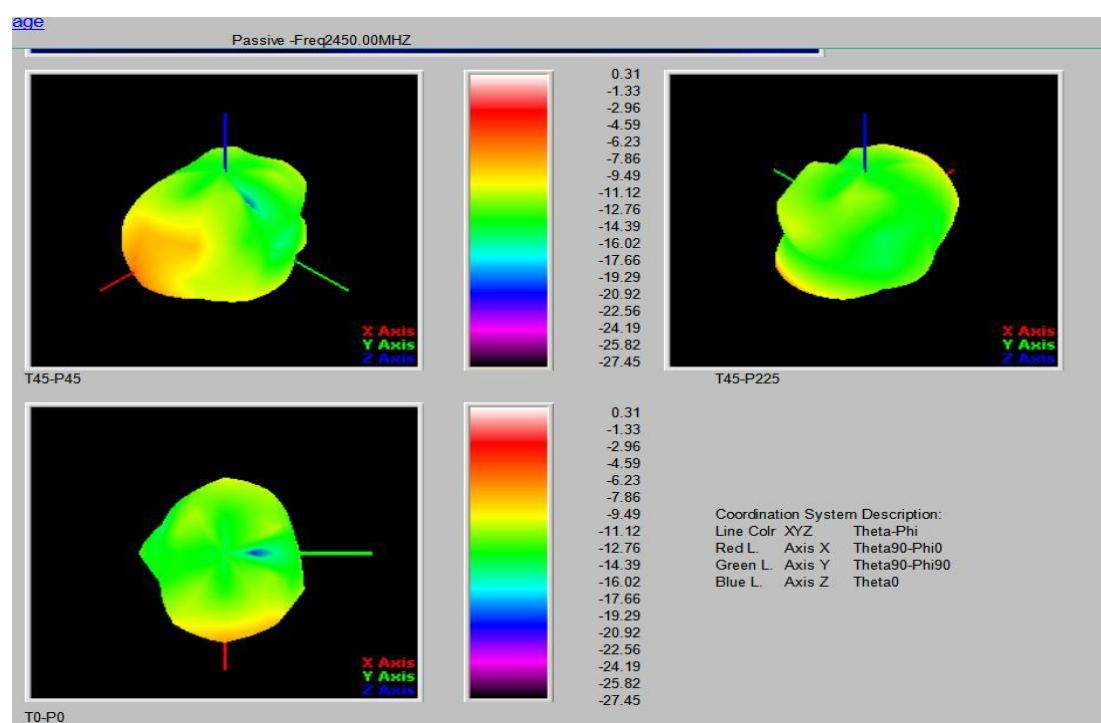
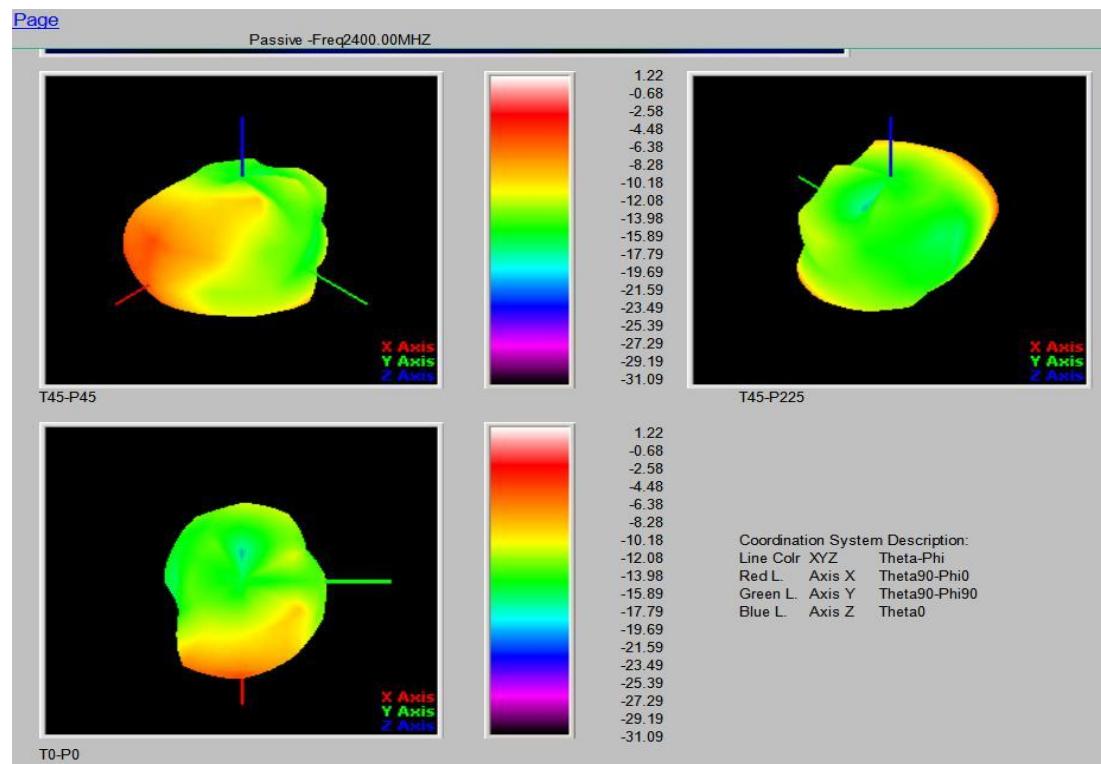
# Test Report

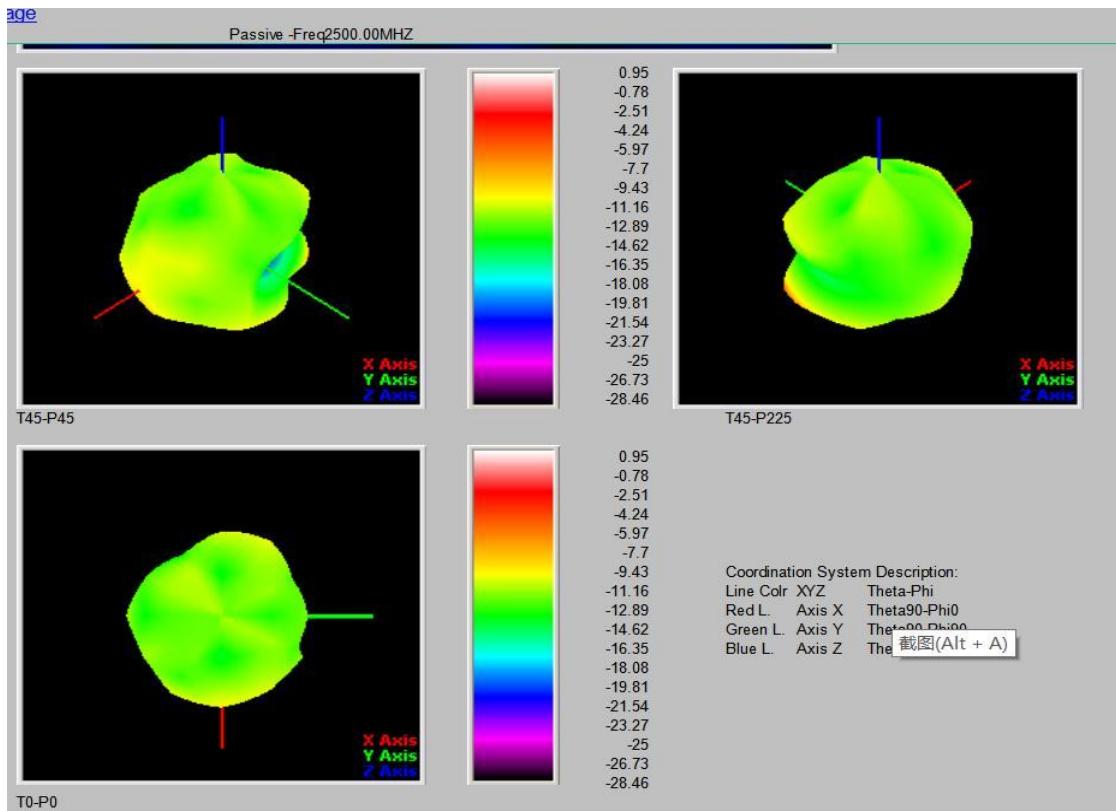
## S11 Parameter-VSWR



Frequency(MHz)	2400	2450	2480	2500
VSWR	1.47	1.64	1.68	1.96

## Radiation Pattern (3D)





### *Efficiency*

Freq (MHz)	Gain(dB)	Eff(dB)
2400	1.22	-3.73
2410	0.6	-3.91
2420	0.54	-4.13
2430	0.46	-4.45
2440	0.47	-4.75
2450	0.31	-4.87
2460	0.33	-4.93
2470	0.34	-5.04
2480	0.4	-5.07
2490	0.71	-5.02
2500	0.95	-5