



Shenzhen Xunyoton Technology Co.,Ltd

Specification

Customer: Wisilica

Product Name: 2.4G 2DB RP SMA male antenna L=110MM

Product Part NO.: XYTR-2.4 -2-110

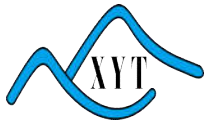
Date: 2019-02-18

Engineer confirmed:

核准	工程	制作	签章
Approval	Quality	Engineer	

Customer confirmed:

Approval	Engineer	Quality	Signature
Result: ☐ Yes ☐ NG ☐ Others			



Specification:

Electrical Specifications:	
Frequency Range	2400-2500MHZ
Gain	2dBi
VSWR	≤ 2.1
Polarization	Vertical
Impedance	50ohm
Maximum Input Power	50W
Connector	RP SMA Male
Operating Temperature	-40°C to+80°C
Mechanical Specifications:	
Antenna Dimension	110mm
Weight	10g



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Project	Test condition	Test results
Storage environment	Test temperature, humidity, pressure without stated condition as follwings:1.Temperature: $-30^{\circ}\text{C} \sim +80^{\circ}\text{C}$;2.Relative humidity: 45%-85%;3,Pressure: 86kpa-106kpa	Electrical and mechanical performance normal
High and low temperature test	Having 5 times cycle between -40°C to 70°C ,Then in common condition 1-2 hours test exterior quality.	Measurement satisfied with electrical and mechanical performance normal.
Resistance constant hot and humid test	Relative humidity: $95 \pm 3\%$,Test temperature: 40°C ,last 2 hours ,put it after 5 min test the electrical function .Test products during common condition 1-2 hours ,Then test exterior quality.	Measurement satisfied with electrical and mechanical performance normal.
Vibration test	Vibrate Frequency:10-55HZ; Distance :0.35mm;Acceleration :50.0m/s;Sweep frequency cycle:30 times	Electrical and mechanical performance normal
Fall test	From 1m height fall down 3 times freely (vertical direction)	Electrical and mechanical performance normal

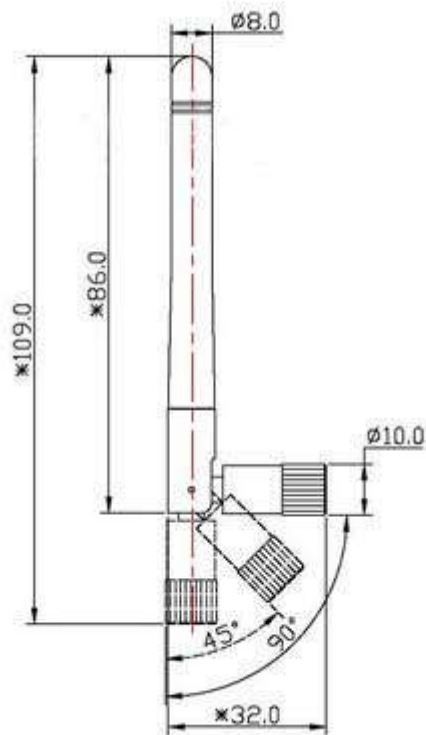
Picture:



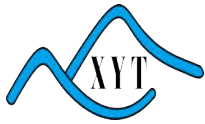


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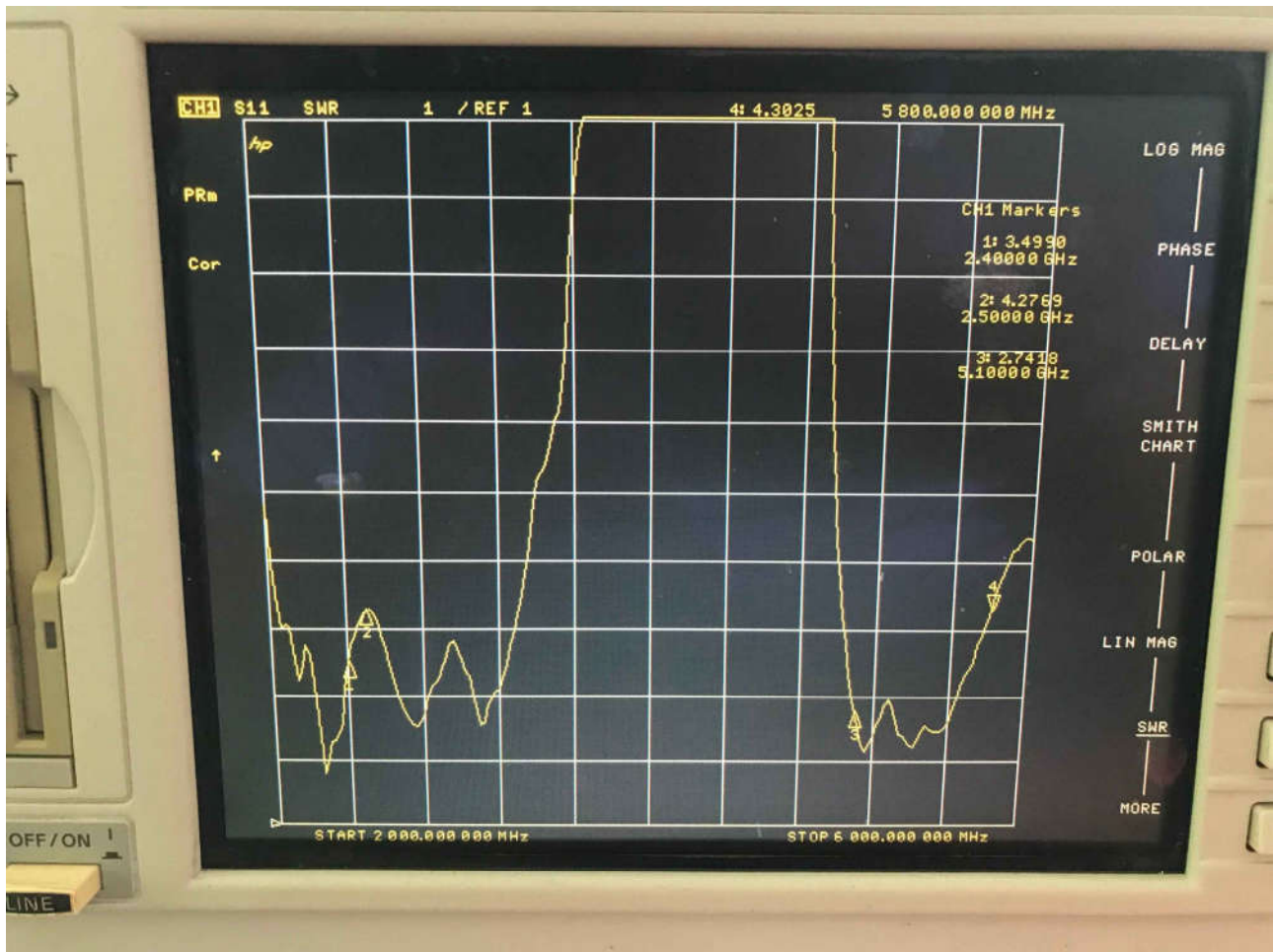
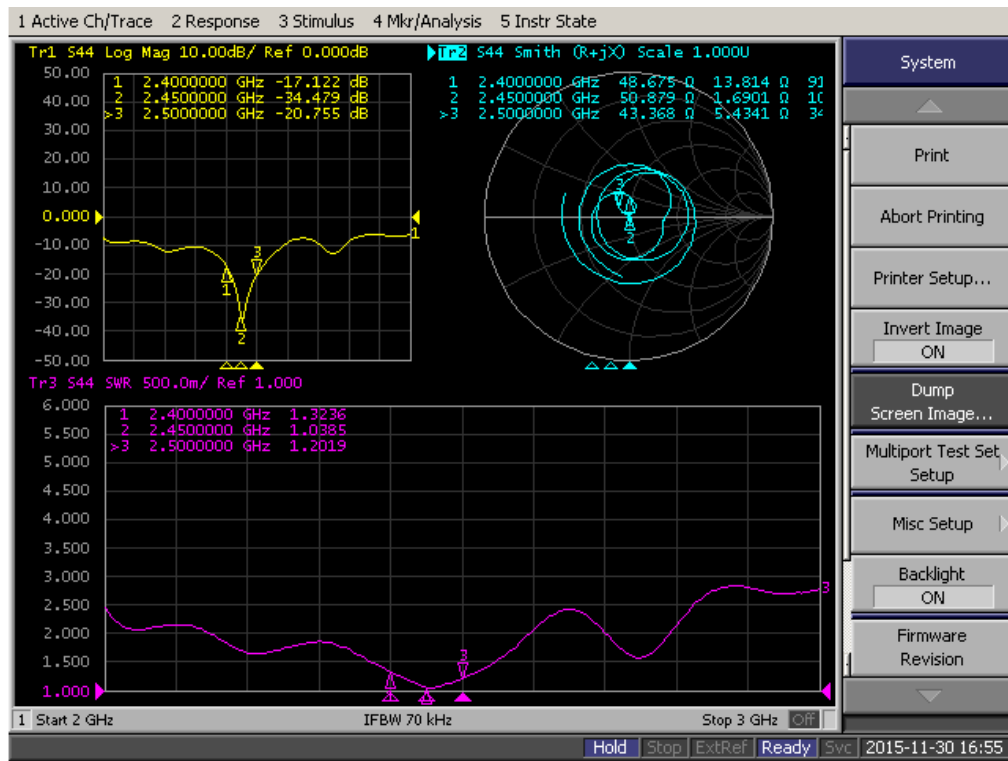
Drawing :



Test:



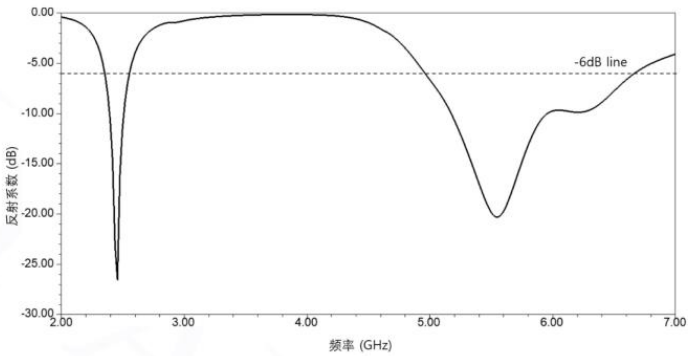
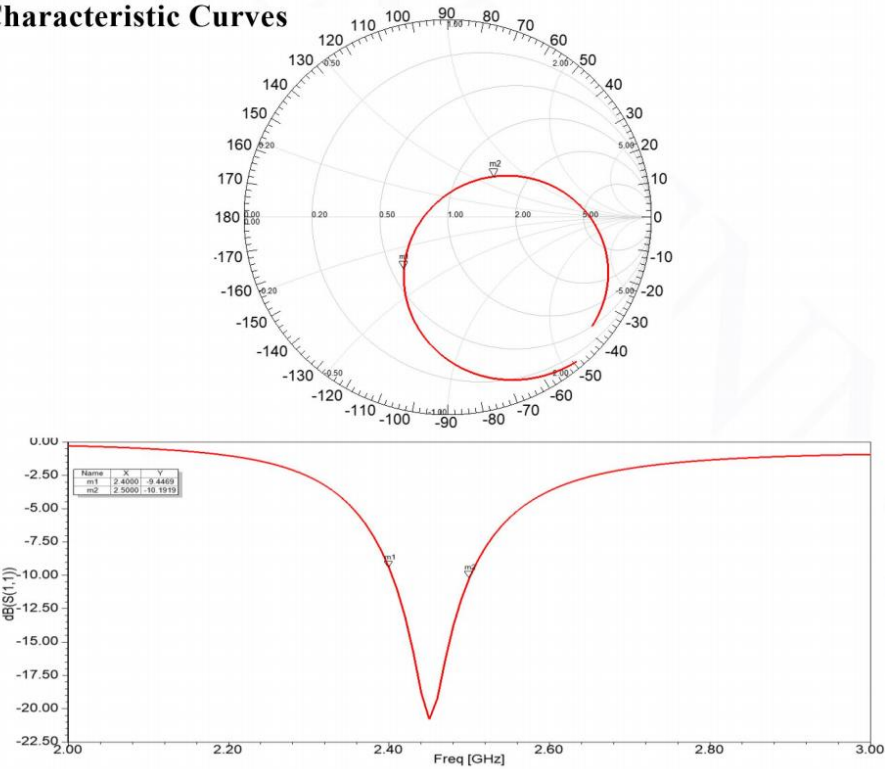
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Electrical Characteristics

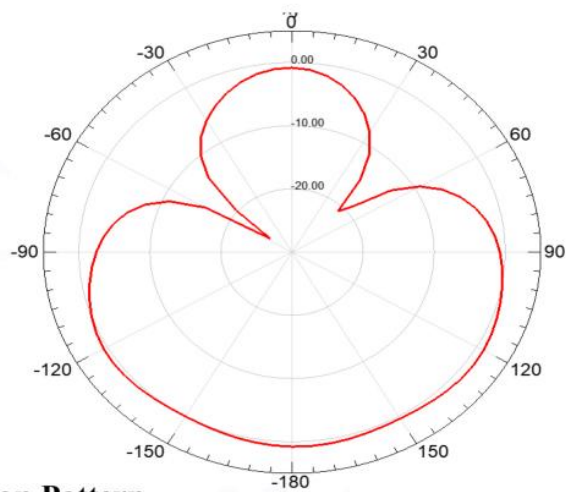
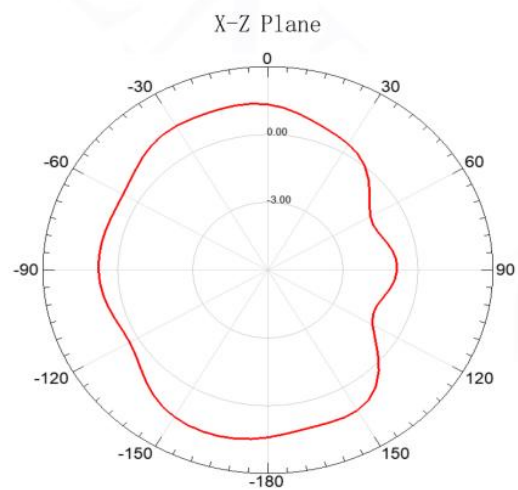
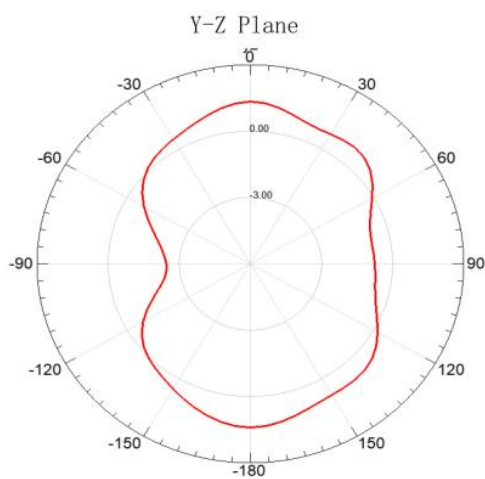
	Feature	Specification
1	Central frequency	2400-2500MHz
2	Bandwidth	>100MHz
3	Peak gain	2dBi

Characteristic Curves



Radiation Pattern





3D Radiation Pattern

