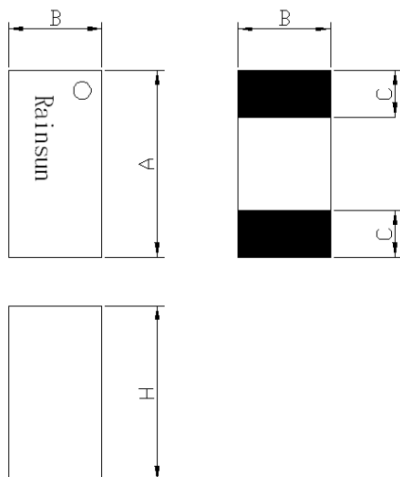


Antenna Specification

ITEM	ANT SPEC		
Model Name	2.4G ANT		
Gain	2400MHz	2450MHz	2500MHz
	-0.7dBi	0.5dBi	-0.9dBi
Azimuth Beam Pattern	Omni-directional		
Impedance	50 Ohm		
Manufacture	RainSun Corporation		
Antenna type:	Patch Antenna		

Rainsun AN3216 Antenna Photo & Length (mm)



Symbol	Dimensions(mm)
A	3.2 ± 0.2
B	1.6 ± 0.2
C	0.8 ± 0.2
D	0.4 ± 0.2
H	1.3 ± 0.2

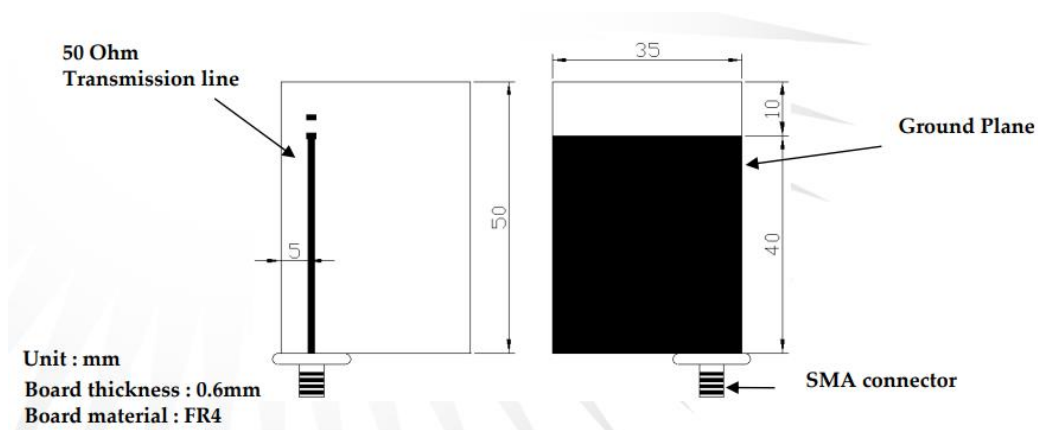
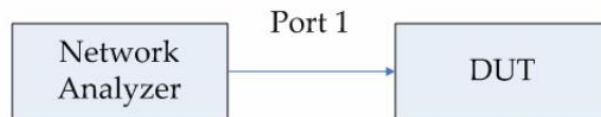


Fig-1

Testing Setup



Measurement



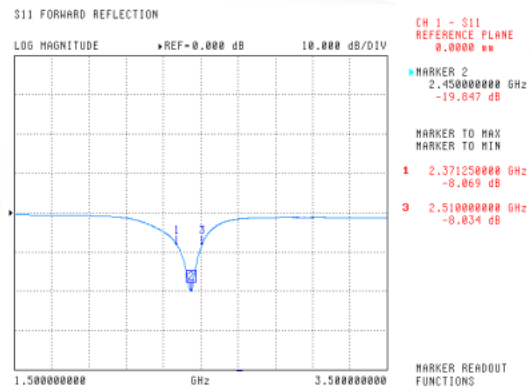
Testing Instrument:

Anritsu 37369C VNA(Vector Network Analyzer)

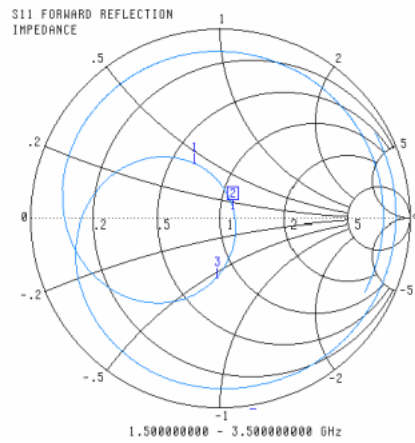
VNA calibrate with 1 path reflection only calibration sequence on test board feed point.

The test board dimension and it's layout is the same as Fig-1.

Return loss

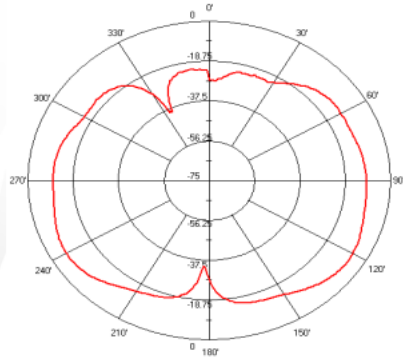


Smith Chart

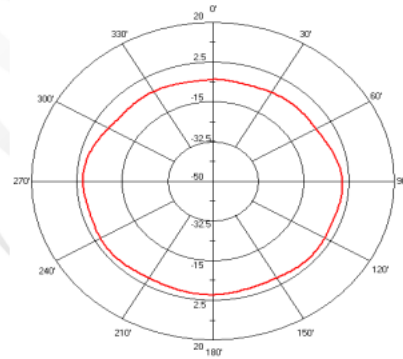


Marker data:
1 : f=2.411 GHz
2 : f=2.450 GHz
3 : f=2.492 GHz

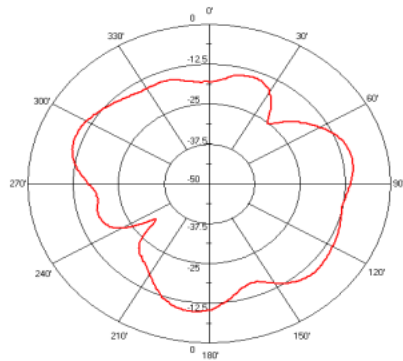
**2.45 GHz H-Plane
vertical**



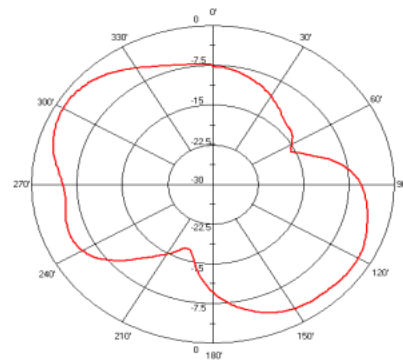
**2.45 GHz H-Plane
horizontal**



**2.45 GHz E-Plane
vertical**



**2.45 GHz E-Plane
horizontal**



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