

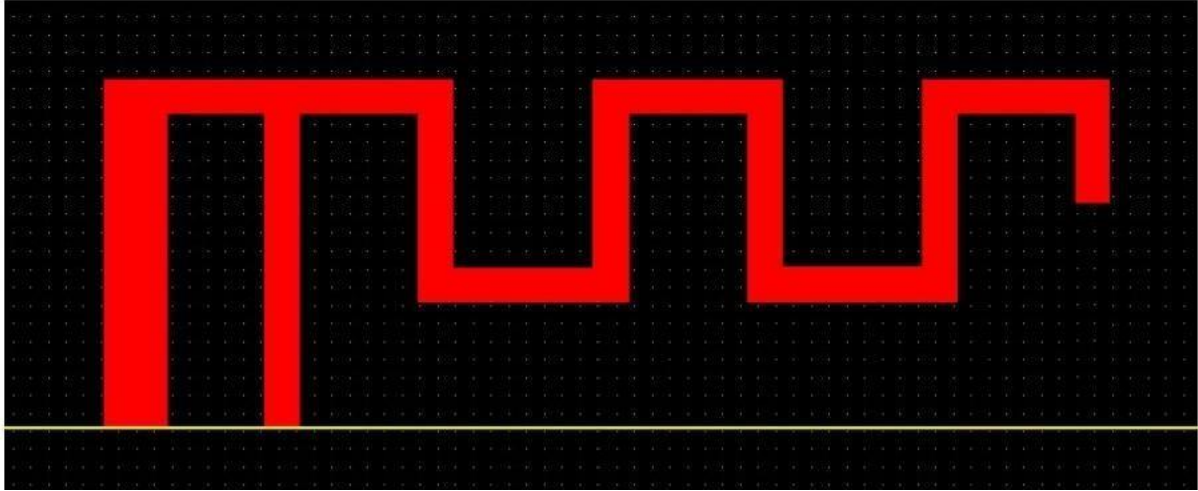
## **Product specification**

### Quick Reference Data

	Antenna module on the system board	
Frequenc Range	2400~ 2500MHz	
Ant.Port Input Pwr. (dBm)	0(Typ.BT class 2 output power)	
Tot. Rad.Pwr. (dBm)	-1.2(Input pwr-loss pwr)	
Peak EIRP (dBm)	3.19	
Directivity(dBi)	1 (all direction antenna)	
Efficiency (dB)	25.2 %	
Gain (dBi)	3.19(Peak Gain XZ-plane)	
Maximum Power(dBm)	3.19(XZ-plane)	
Minimum Power(dBm)	-3.2(XZ-plane)	
Avg. Power(dBm)	-1.2(XY-plane)	
Input Impendence (ohm)	50	
Polarization Type	V ertical& Horizontal	
y. S .W .R	< 1.5	

All the technical data and information contained herein are subject to change without prior notice

## Antenna Layout& module on the system board

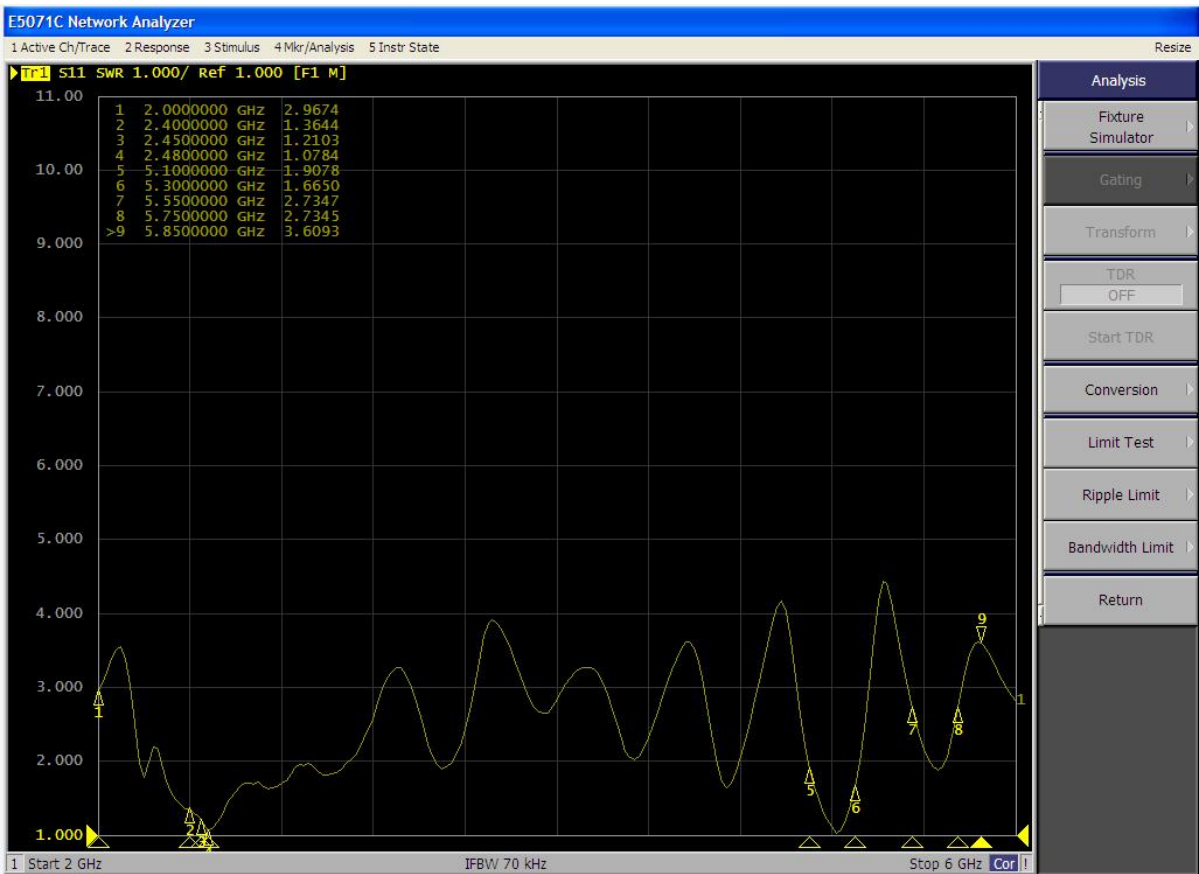


## Antenna Gain

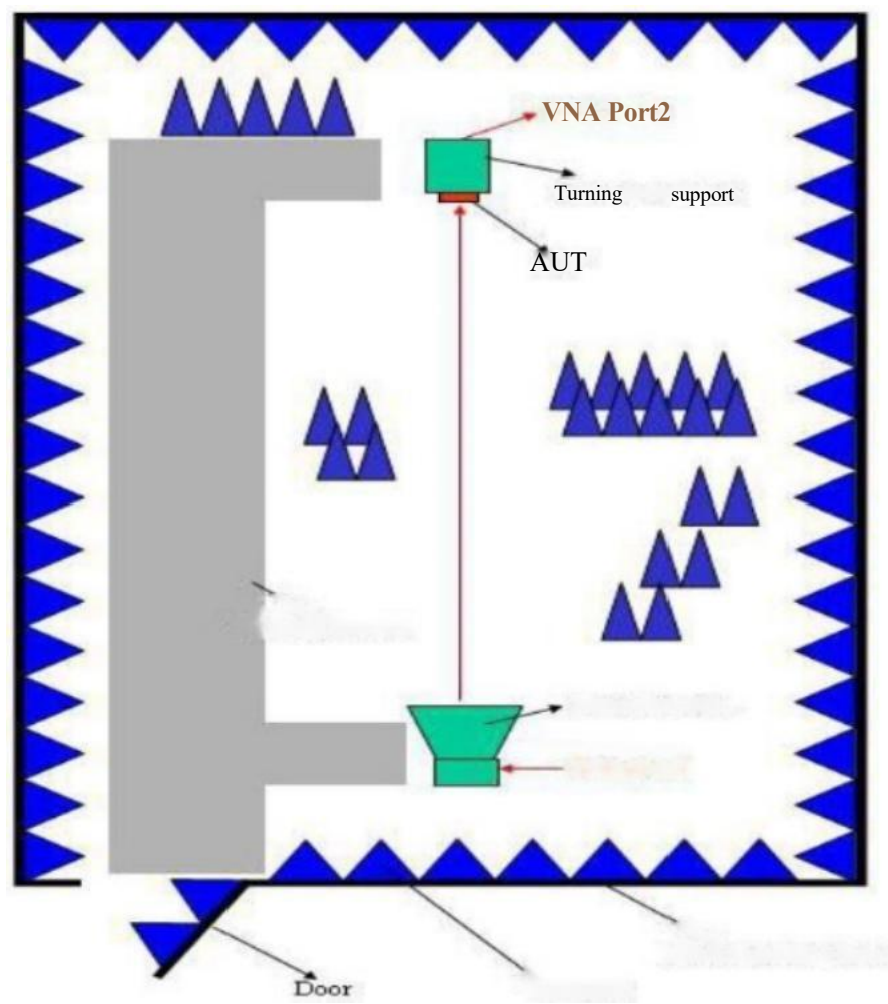
Gain Table

Unit in dBi @2.44GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	3.03	-1.2	3.10	-2.0	3.19	-3.2	26.2 %

Return Loss



# The Environment of Antenna Radiation Patten

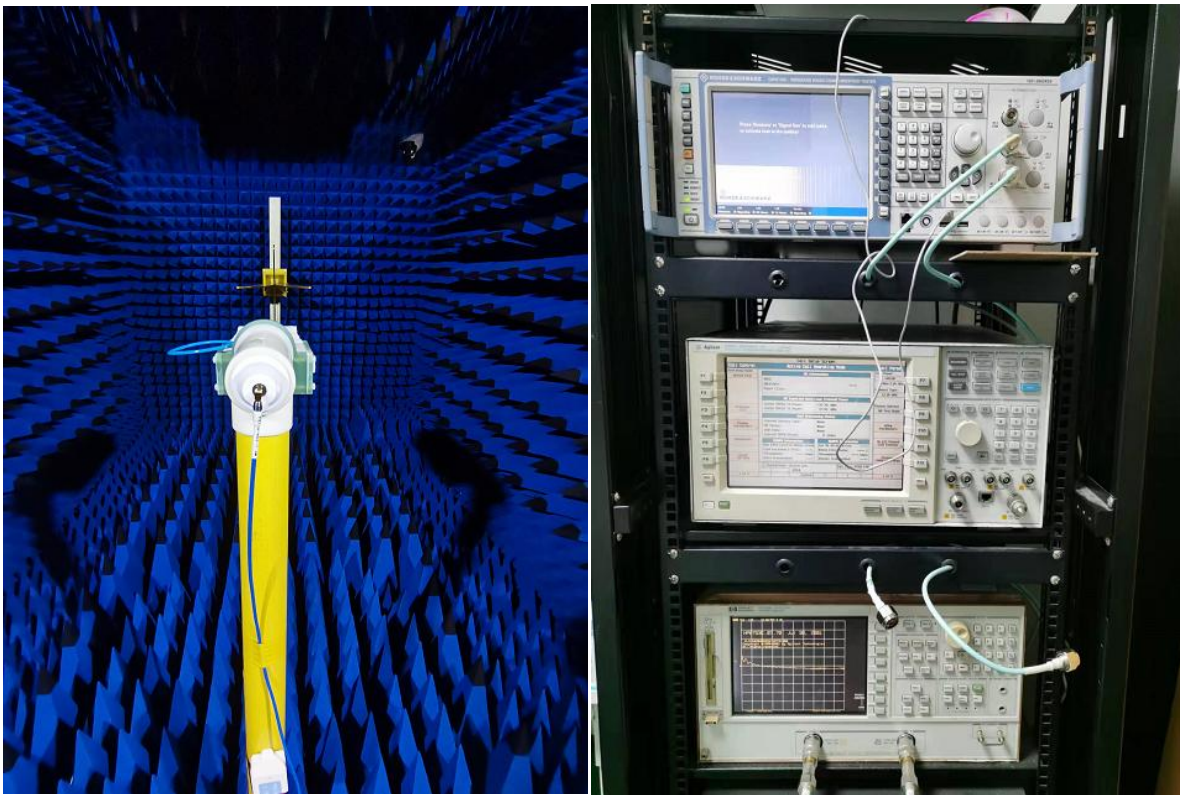


Walkingchannel

Horn Antenna

VNA Port1

Metal shielding Roxx  
Absorber



**3D radiation pattern diagram**