

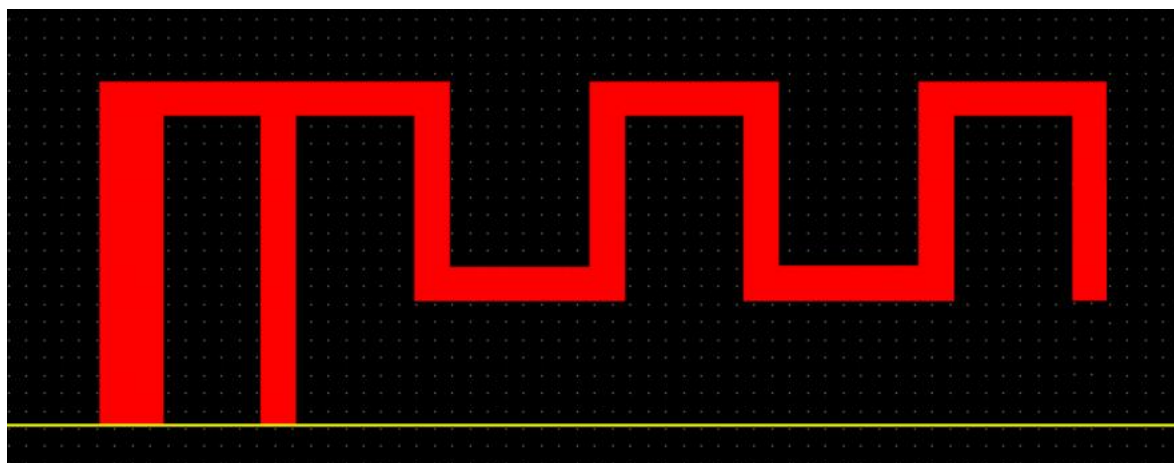
## Product Specification

### Quick Reference Data

	Antenna module on the system board	
Frequency Range	2400 ~ 2500MHz	
Ant. Port Input Pwr. (dBm)	0 (Typ. BT class 1 output power)	
Tot. Rad. Pwr. (dBm)	-1.2 (Input pwr - loss pwr)	
Peak EIRP(dBm)	1.2	
Directivity (dBi)	1 (all direction antenna)	
Efficiency (dB)	6 0.2%	
Gain (dBi)	1.9	
Maximum Power (dBm)	1.7 (XY-plane)	
Minimum Power (dBm)	-4(XY-plane)	
Avg. Power (dBm)	-0.5(XY-plane)	
Input Impedance(ohm)	50	
Polarization Type	Vertical & Horizontal	
V.S.W.R	< 1.4	

All the technical data and information contained herein are subject to change without prior notice  
 Manufacturer: Room 7002 and 7003,7th Floor,Digital Entertainment Industrial Park,Greater Bay Area,No. 28 Huangpu Park West Road,Huangpu District,Guangzhou,China

### Antenna Layout & module on the system board

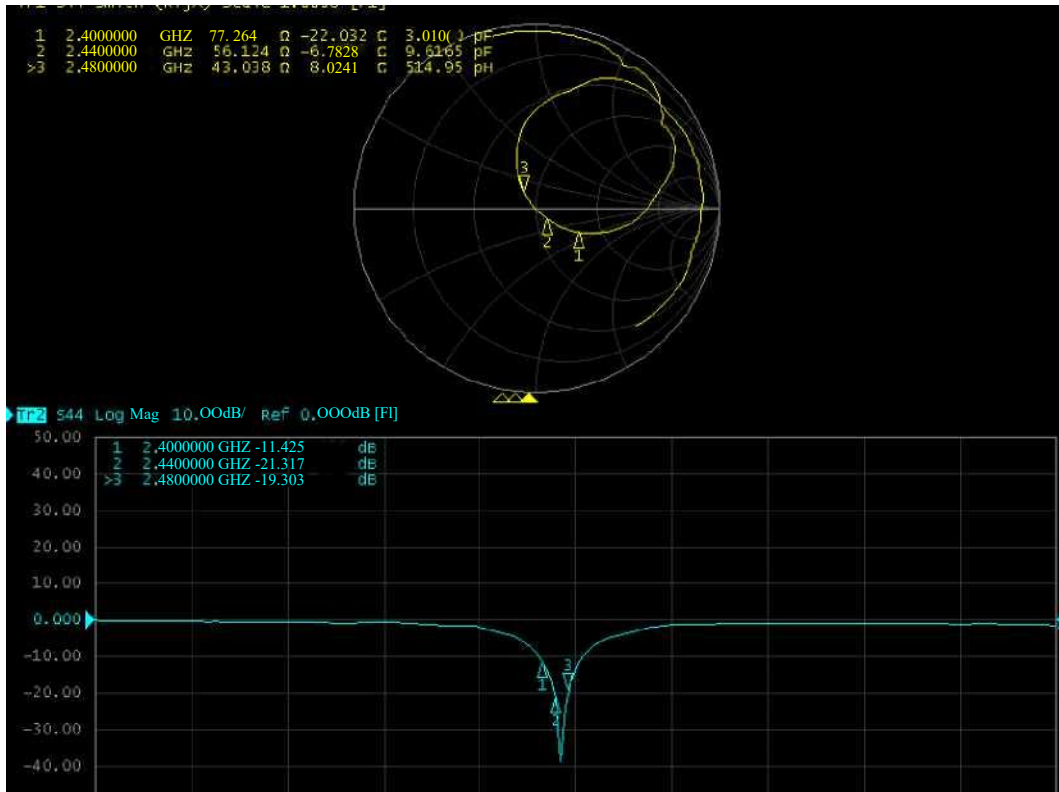


### Antenna Gain

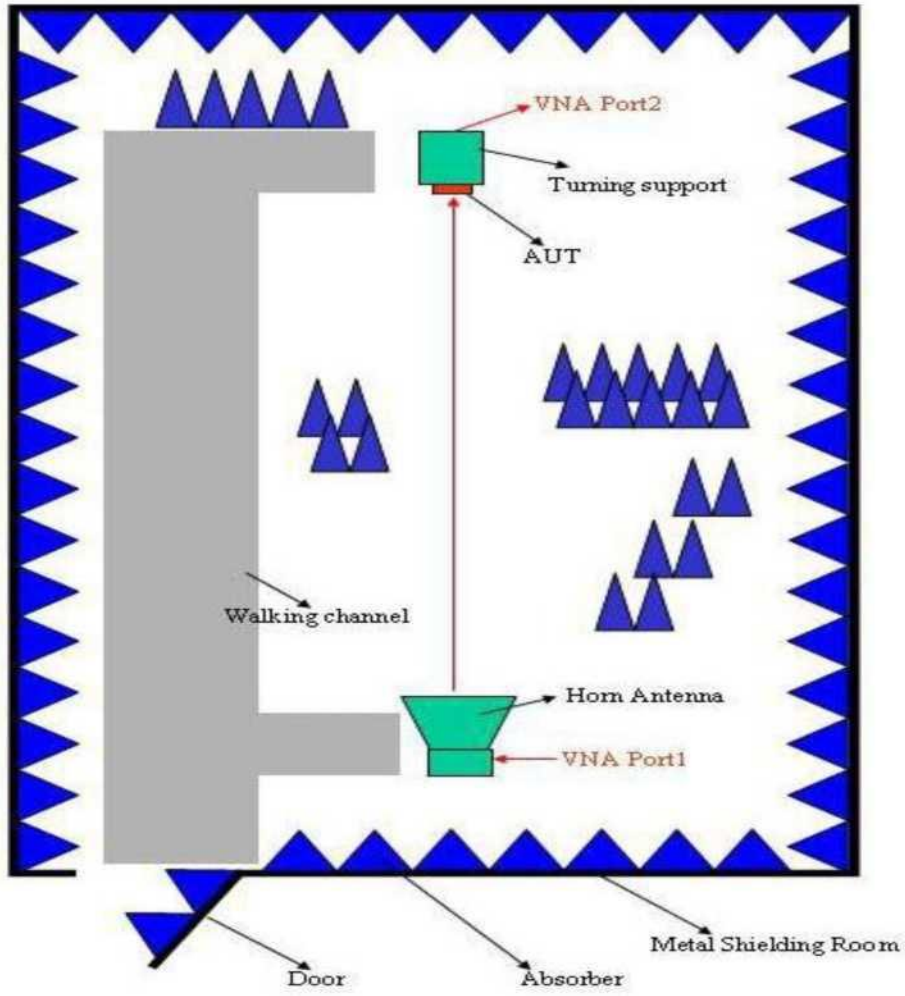
Gain Table

Unit in dBi @2.44GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	1.2	-0.5	1.9	-3.6	1.1	-3.0	6 0.2%

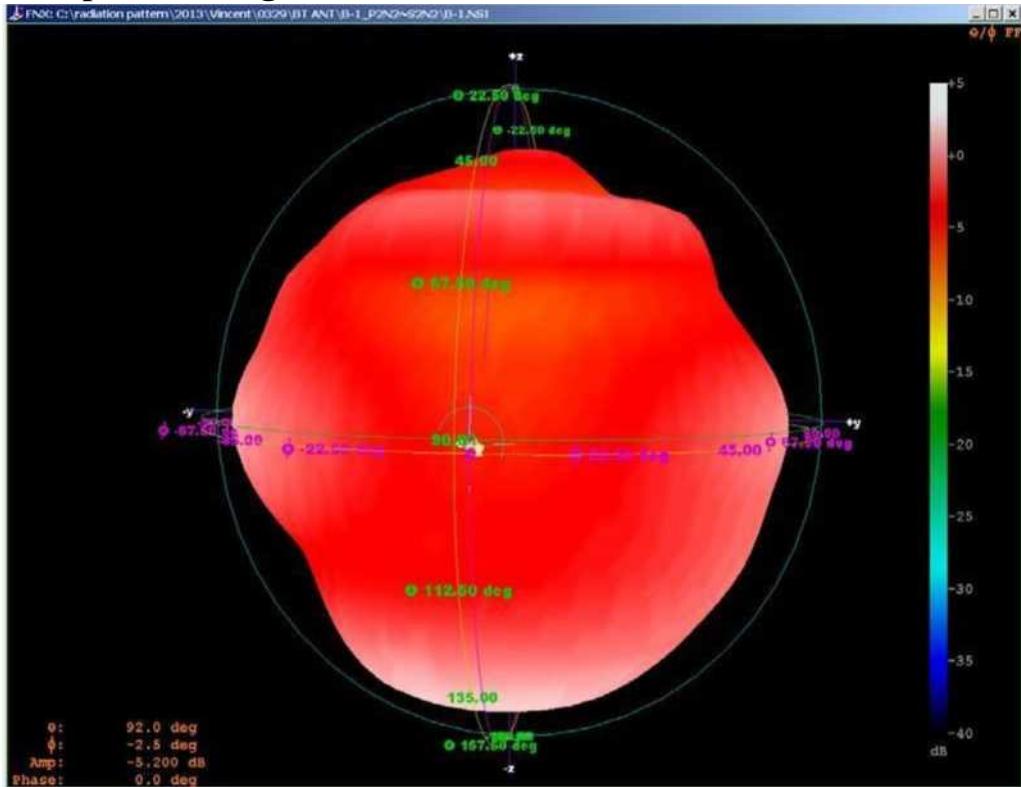
# Return Loss



# The Environment of Antenna Radiation Pattern

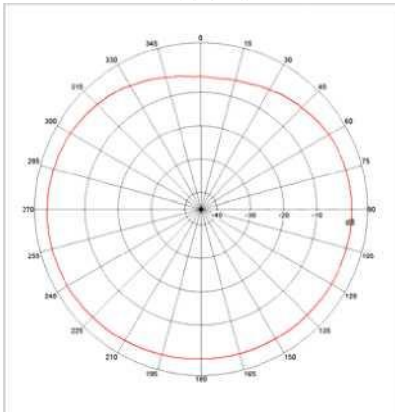


# 3D radiation pattern diagram



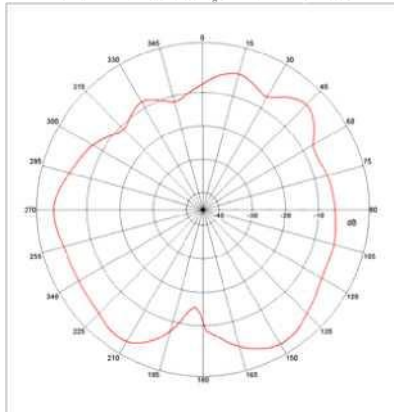
## XY-plane

Far-field Power Distribution (V) on X-Y Plane  
 MX -0 dB 32.4M000MHz



## XZ-plane

Far-field Power Distribution (H+V) on X-Z Plane  
 M0 Pak G00MHz - loadBLPlot AvgG0MHzV - 32.44000GHz



## YZ-plane

Far-field Power Distribution (H+V) on Y-Z Plane  
 \* 2 G0MHz \* 1 g P0M AvgG0MHzV - 2 -Ndb 32.44000GHz

