

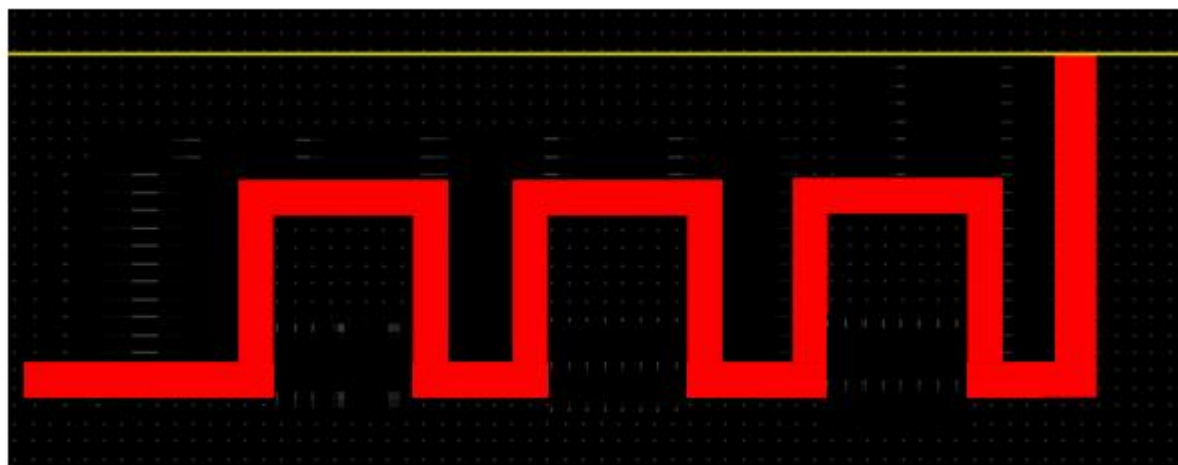
Product Specification

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 (Peak Gain XZ-plane)	
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

Antenna Layout & module on the system board

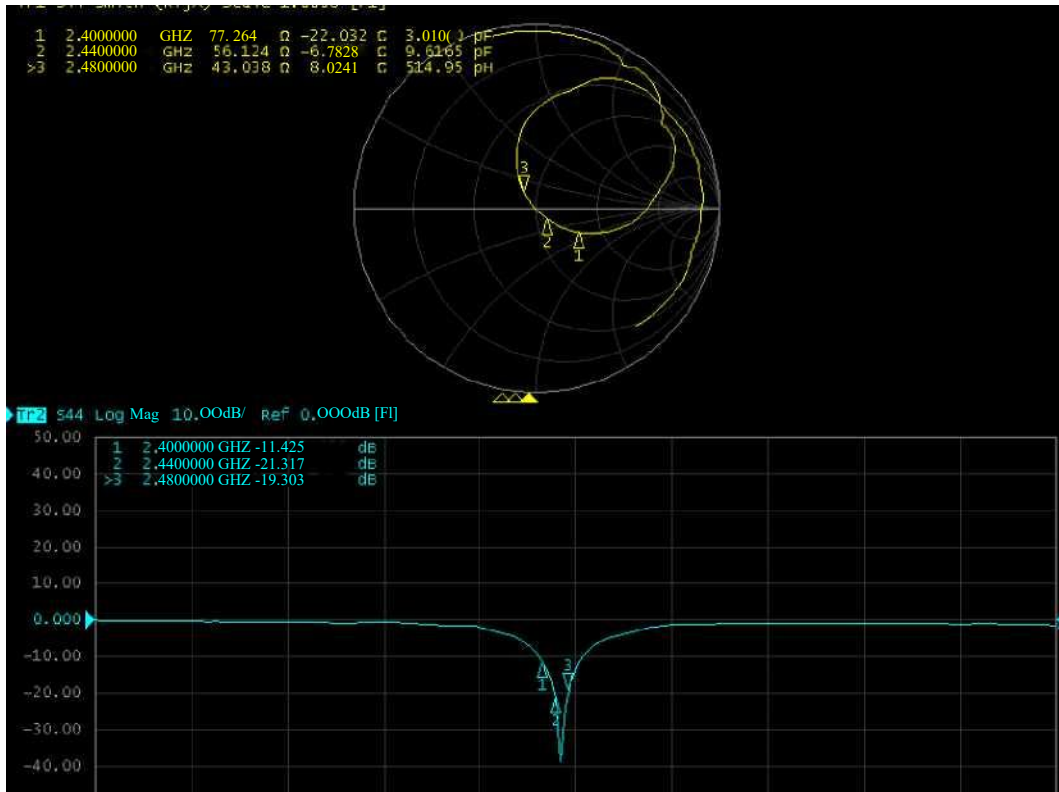


Antenna Gain

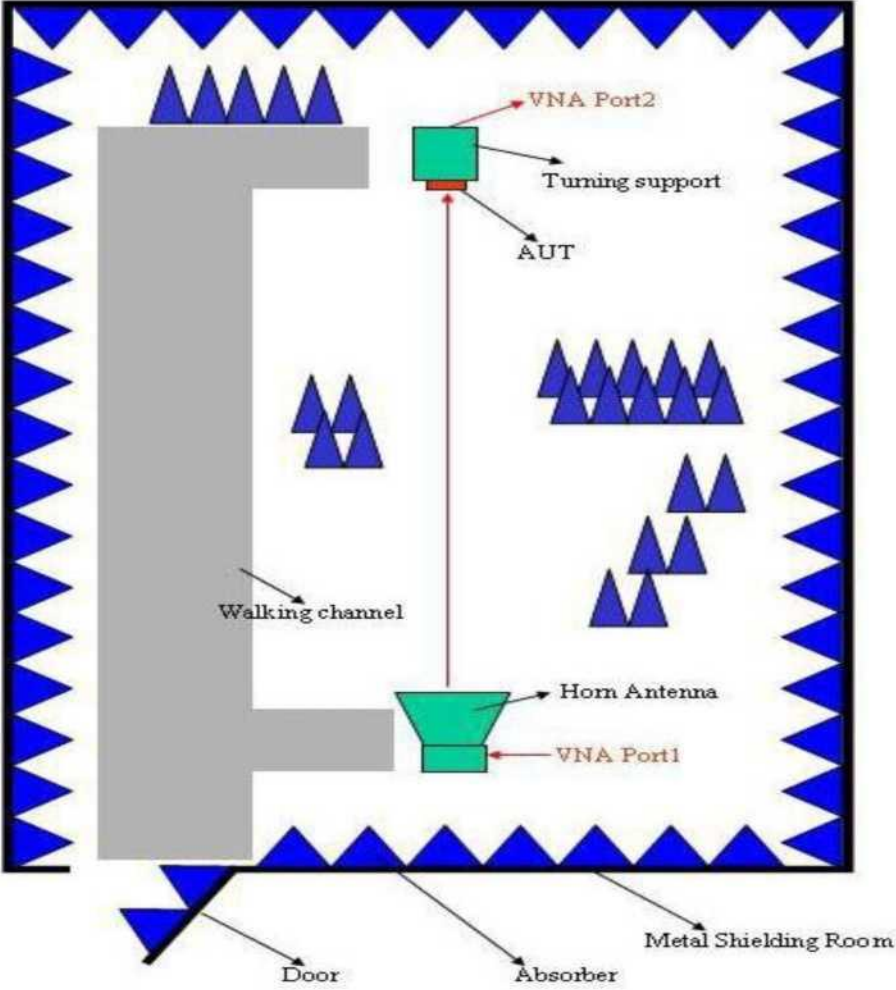
Gain Table

Frequency Range @ 2400 ~ 2500MHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Gain (dBi)	1.2	-0.5	1.9	-3.6	1.1	-3.0	6 0.2%

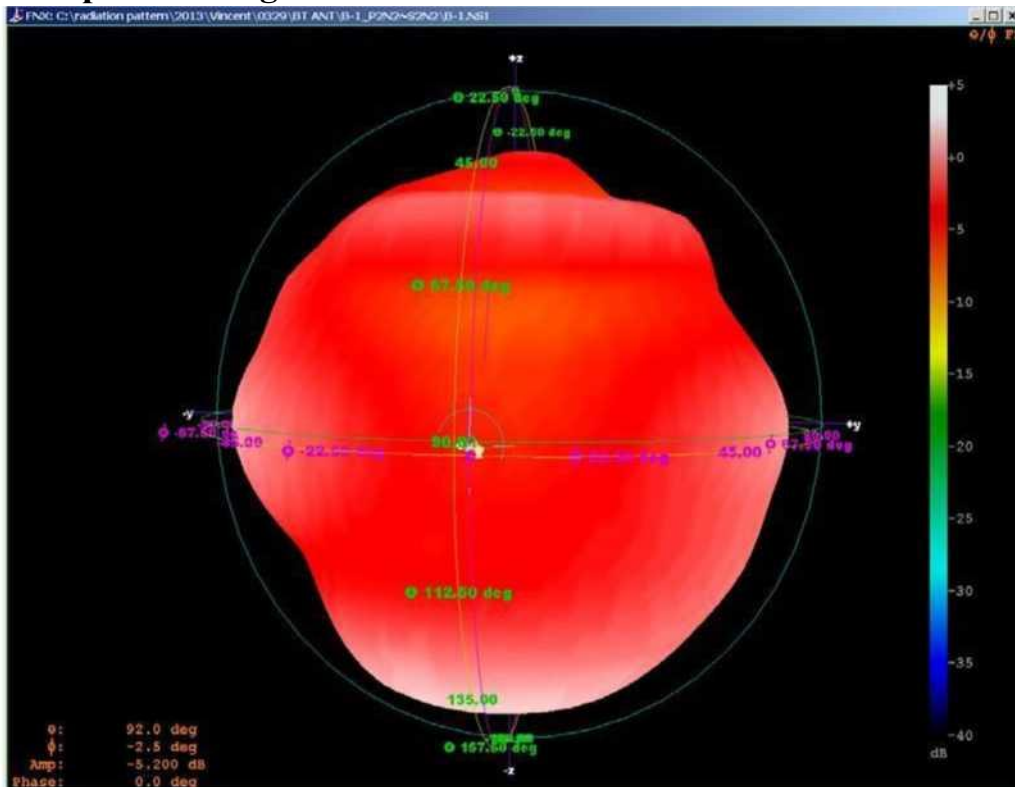
Return Loss



The Environment of Antenna Radiation Pattern

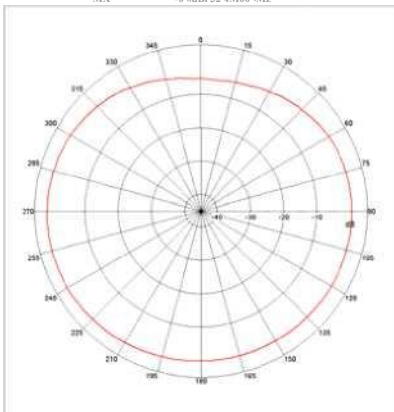


3D radiation pattern diagram



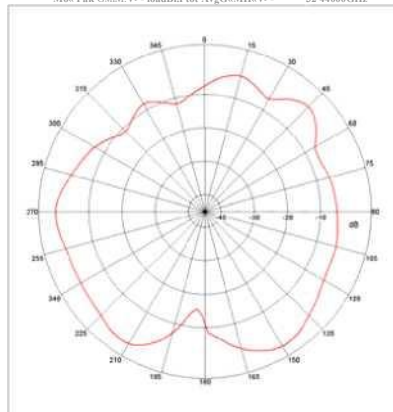
XY-plane

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 G00M.V>> -loadBLPlot AvgG0MHzV>> 32.44000GHz



YZ-plane

Far-field Power Distribution (H+V) on Y-Z Plane
 * 2 G00M.V>> 1 g P00M AveG00H>> -2 -Ndb 32.44000GHz

