

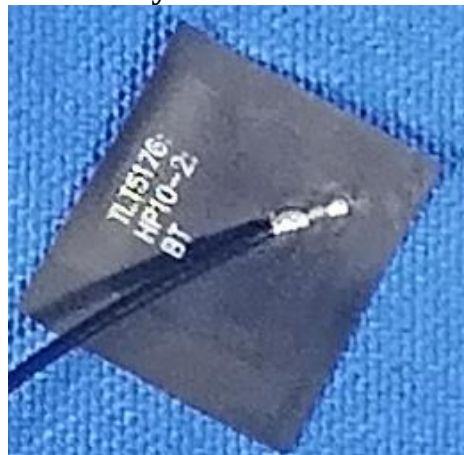
Product specification

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)	-2
Directivity (dBi)	1 (all direction antenna)
Efficiency (dB)	4.2 %
Gain (dBi)	1.12 (Peak Gain XZ-plane)
Maximum Power (dBm)	-1 (XY-plane)
Minimum Power (dBm)	-4(XY-plane)
Avg. Power (dBm)	-3(XY-plane)
Input Impedence(ohm)	50
Polarization Type	V ertical & 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

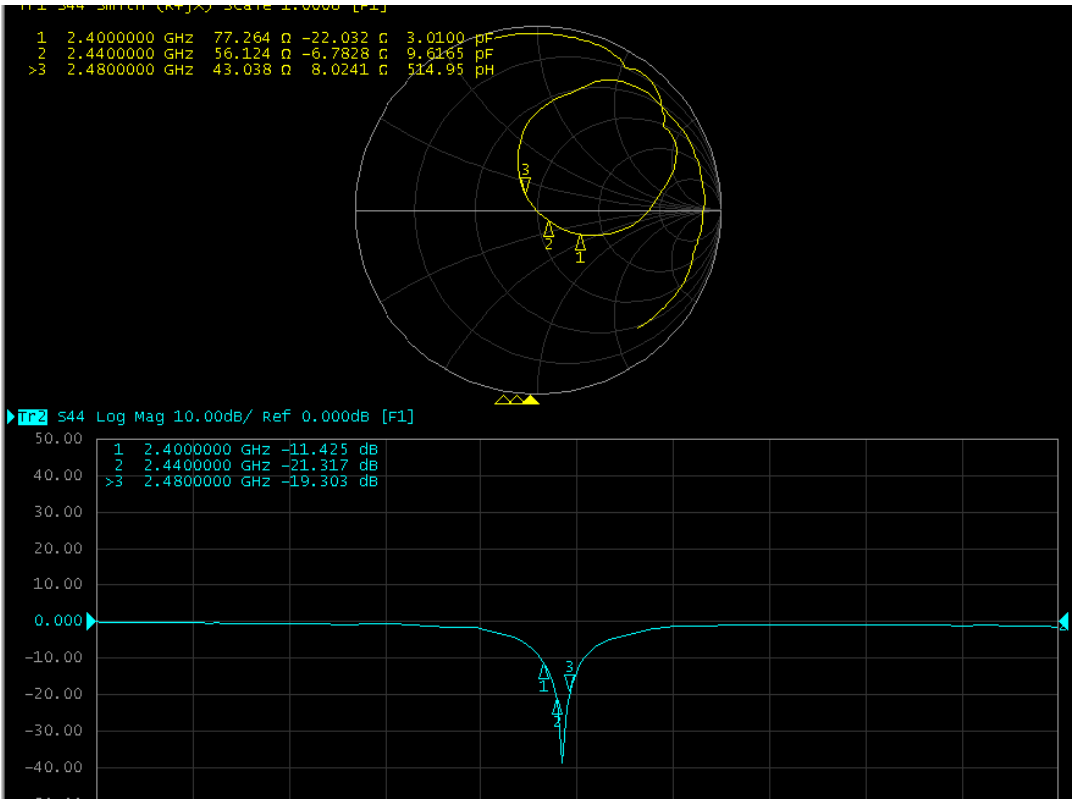


Antenna Gain

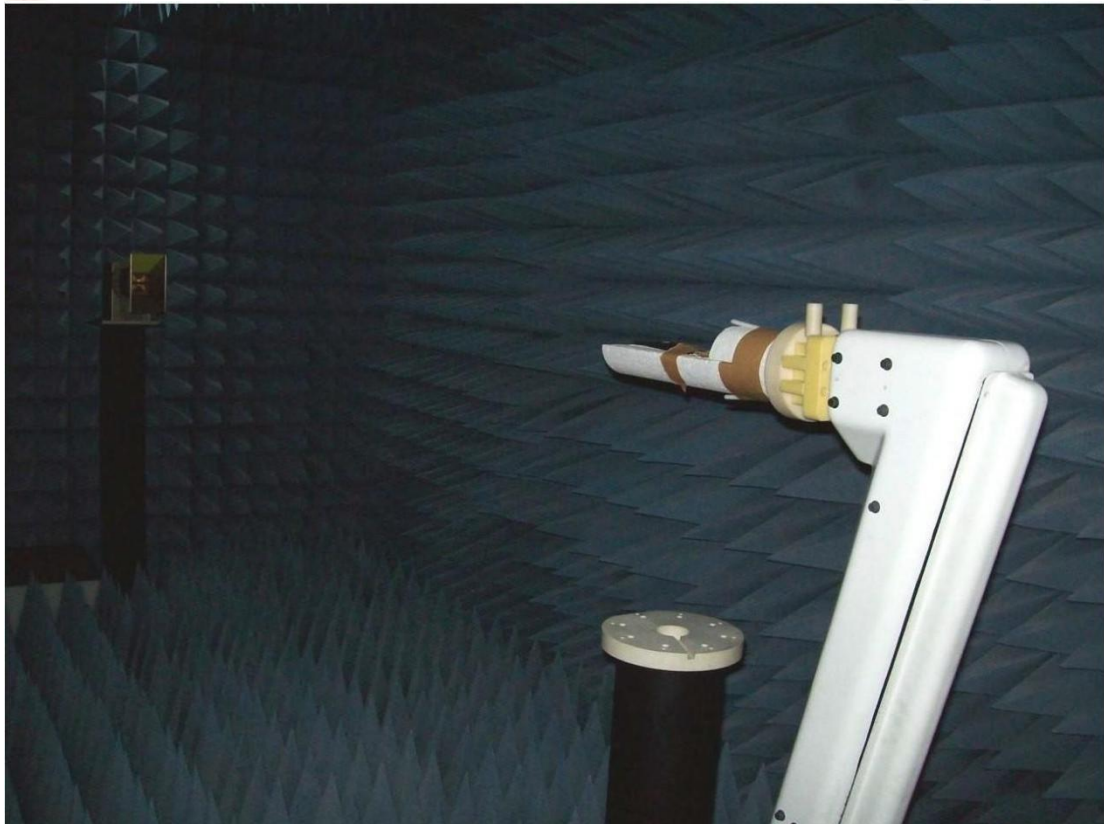
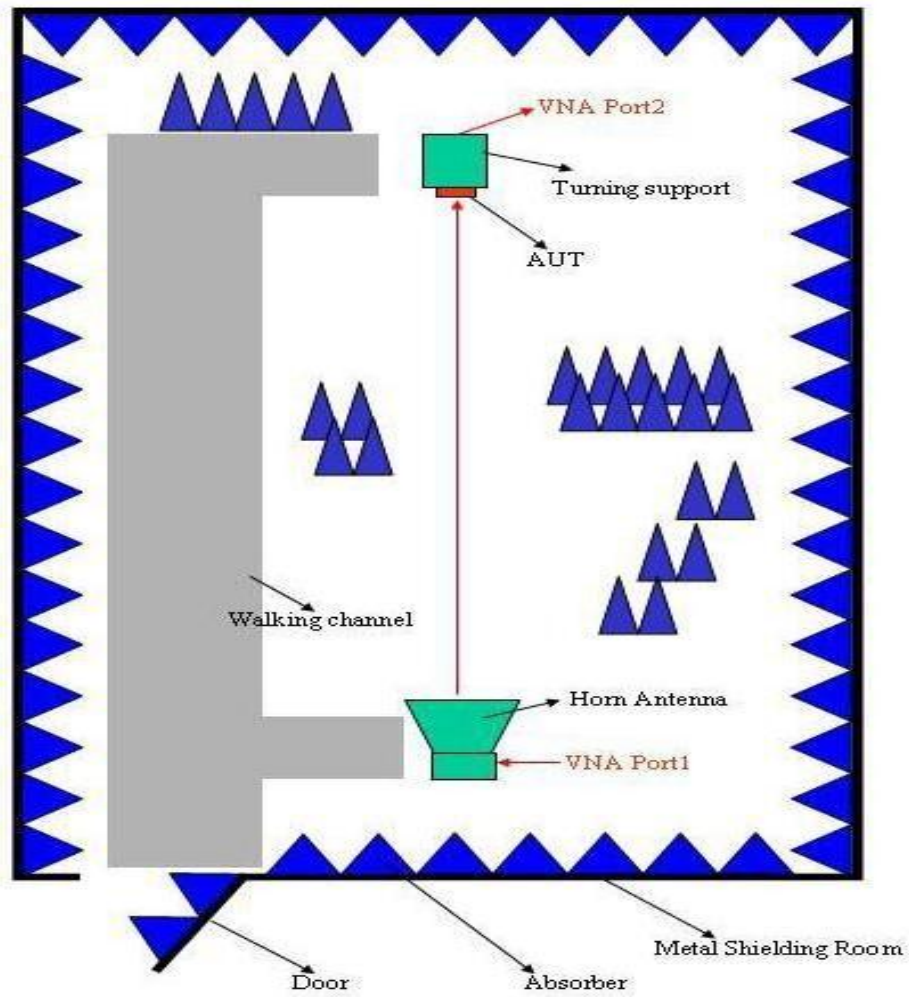
Gain Table

Unit in dBi @2.44GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	-1.35	-0.48	1.12	-3.83	-1.11	-2.99	4.2 %

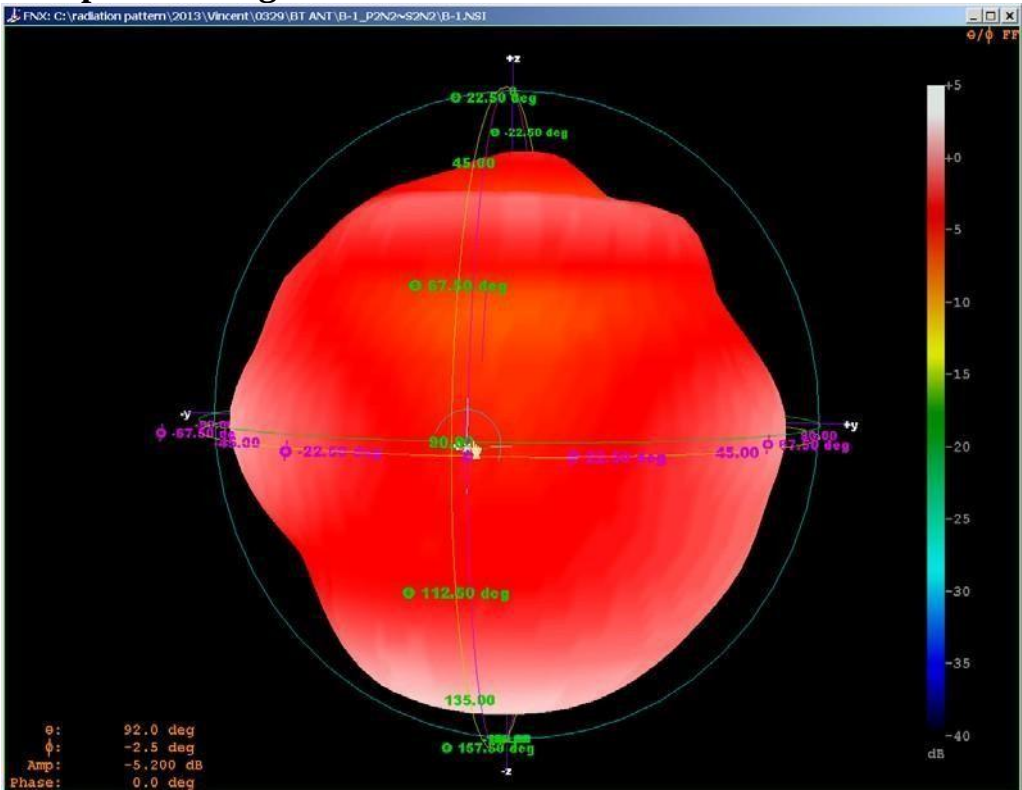
Return Loss



The Environment of Antenna Radiation Pattern



3D radiation pattern diagram



XY-plane	XZ-plane	YZ-plane
Far-field Power Distribution(H+V) on X-Y Plane Plot Peak Gain(H+V)= -1.38dBi; Plot Avg Gain(H+V)= -0.48dBi@2.4GHz	Far-field Power Distribution(H+V) on X-Z Plane Plot Peak Gain(H+V)= 1.12dBi; Plot Avg Gain(H+V)= -3.83dBi@2.4GHz	Far-field Power Distribution(H+V) on Y-Z Plane Plot Peak Gain(H+V)= -1.11dBi; Plot Avg Gain(H+V)= -2.99dBi@2.4GHz

