

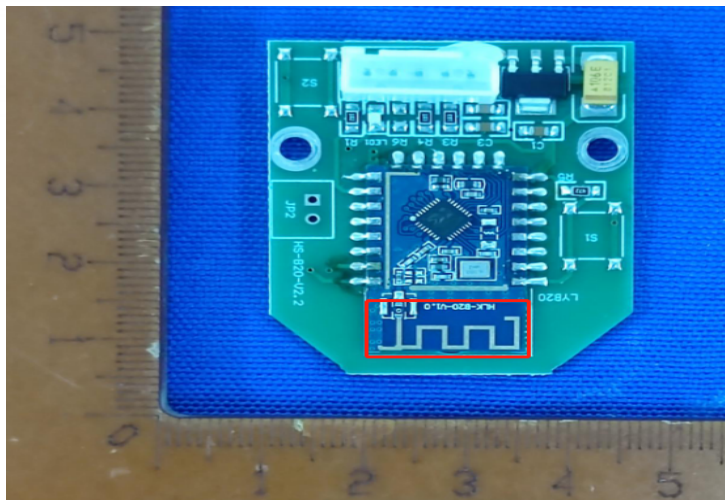
Product specification

Quick Reference Data

	Antenna module on the system board	
Antenna type	PCB	
Frequency	2.45GHz*1	
Ant. Port Input Pwr. (dBm)	0 (Typ. BT class 2 output power)	
Tot. Rad. Pwr. (dBm)	-2.3 (Input pwr ?loss pwr)	
Gain(dBi)	2.39 dBi	
Directivity (dBi)	1 (all direction antenna)	
Efficiency (dB)	-2.3 (58.5%)	
Gain (dBi)	1.7 (Peak Gain X Z-plane)	

Frequency range: 2400-2500MHz

Antenna Size:

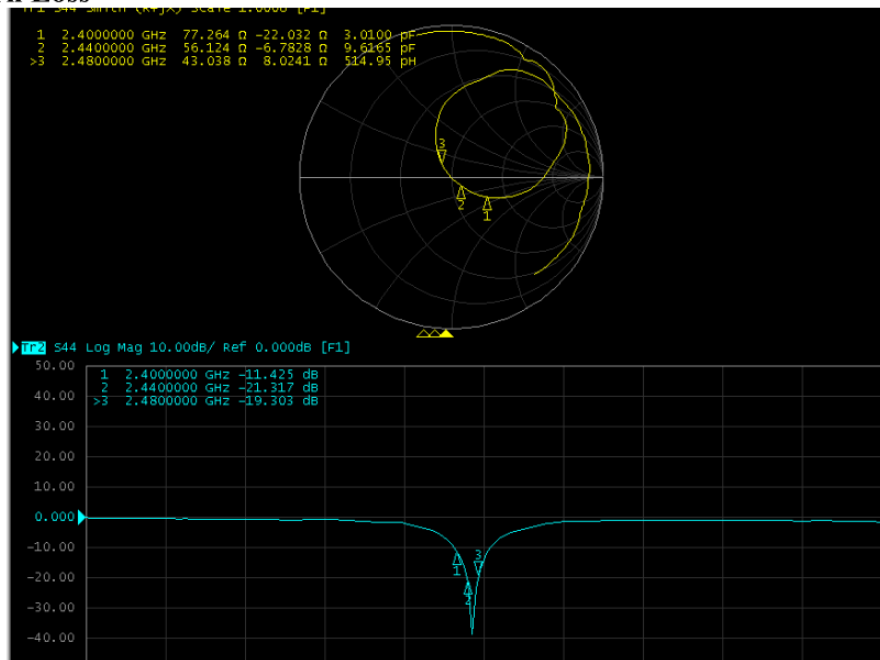


Antenna Gain

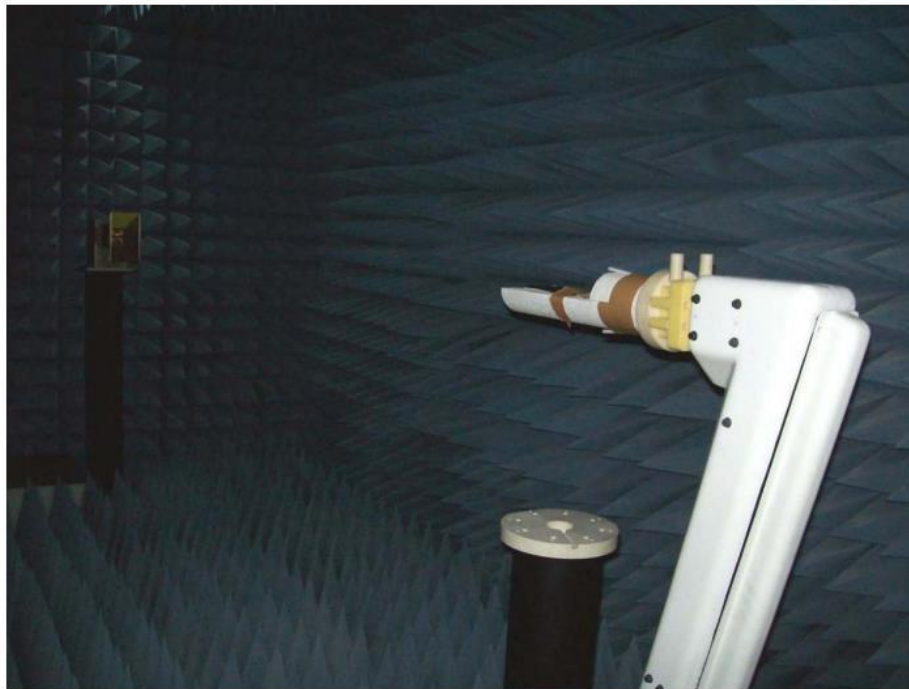
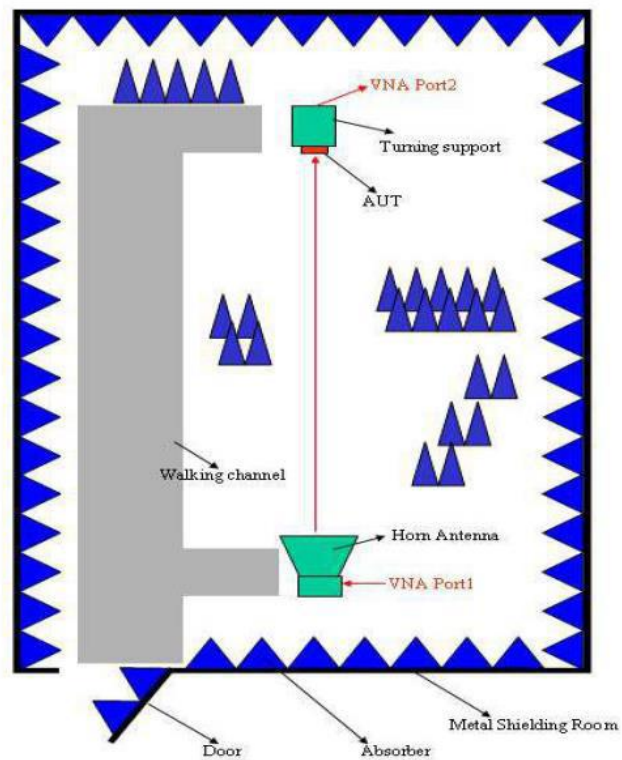
Gain Table

Unit in dBi @2.44GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	1.3	-0.5	2.39	-3.8	1.1	-3.0	58.5%

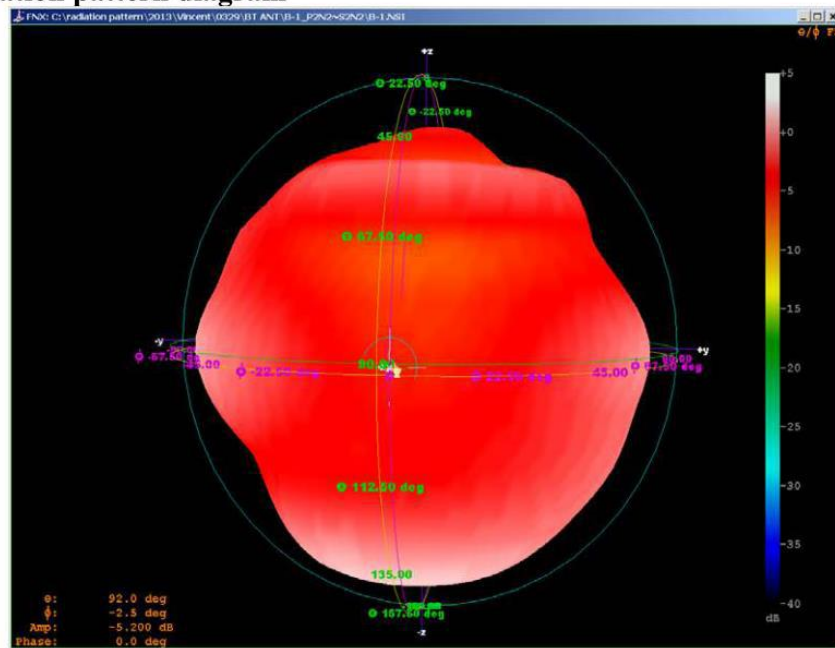
Return Loss



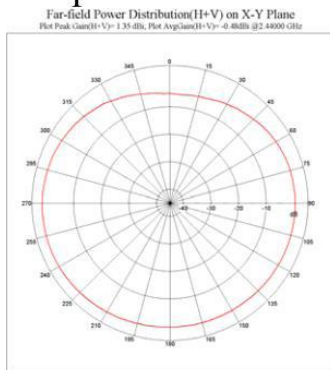
The Environment of Antenna Radiation Pattern



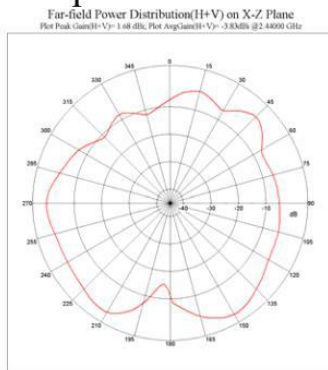
3D radiation pattern diagram



XY-plane



XZ-plane



YZ-plane

