Manufacturer: GUANGZHOU RANTION TECHNOLOGY CO.,LTD.

Product SDecification

Quick Reference Date

	Antenna module on the system board	
Frequenc 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)	4 (Avg Gain XY-plane)	
Maximum Power (dBm)	1.7 (XY-plane)	
Minimum Power (dBm)	-4(XY-plane)	
Avg. Power (dBm)	-0.5(XY-plane)	
Input Impendence(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

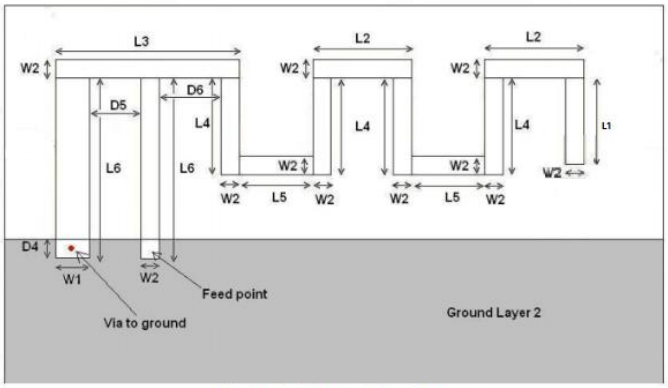

Figure 3: Antenna Dimensions

L1	2.28 mm
L2	2.70 mm
L3	5.00 mm
L4	2.64 mm
L5	2.00 mm
L6	4.90 mm
W1	0.90 mm
W2	0.50 mm
D4	0.50 mm
D5	1.40mm
D6	1.70 mm

Table 1: Antenna Dimensions

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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%

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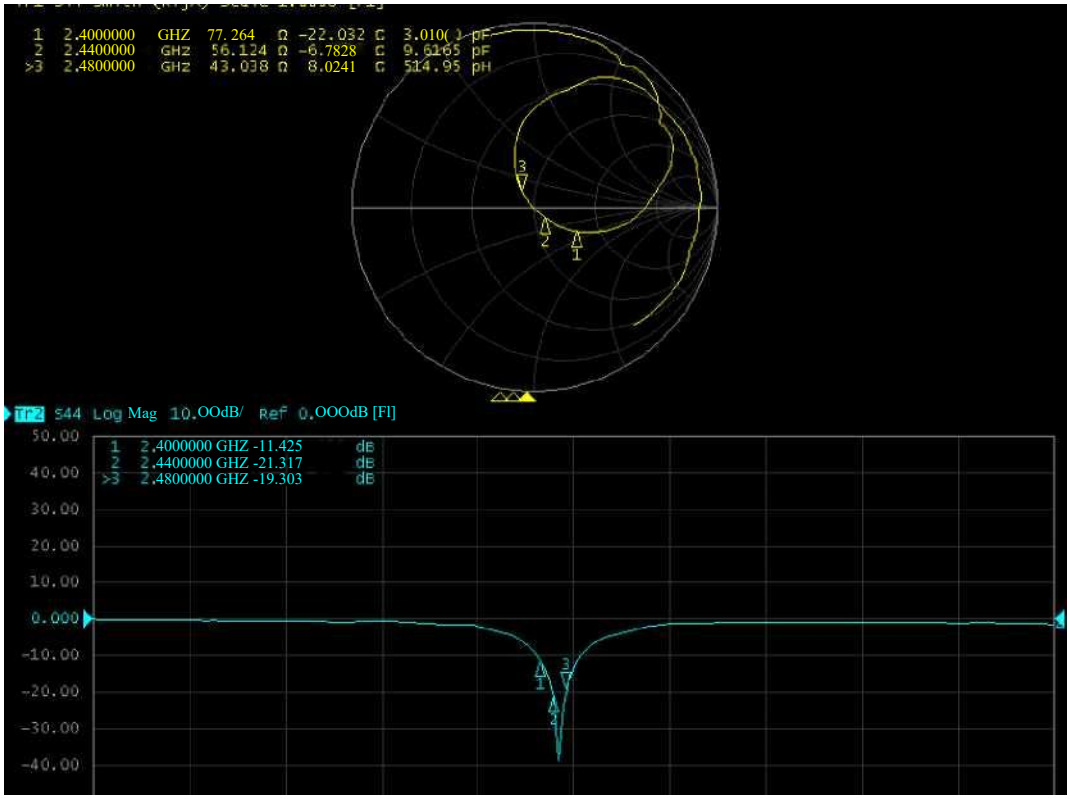
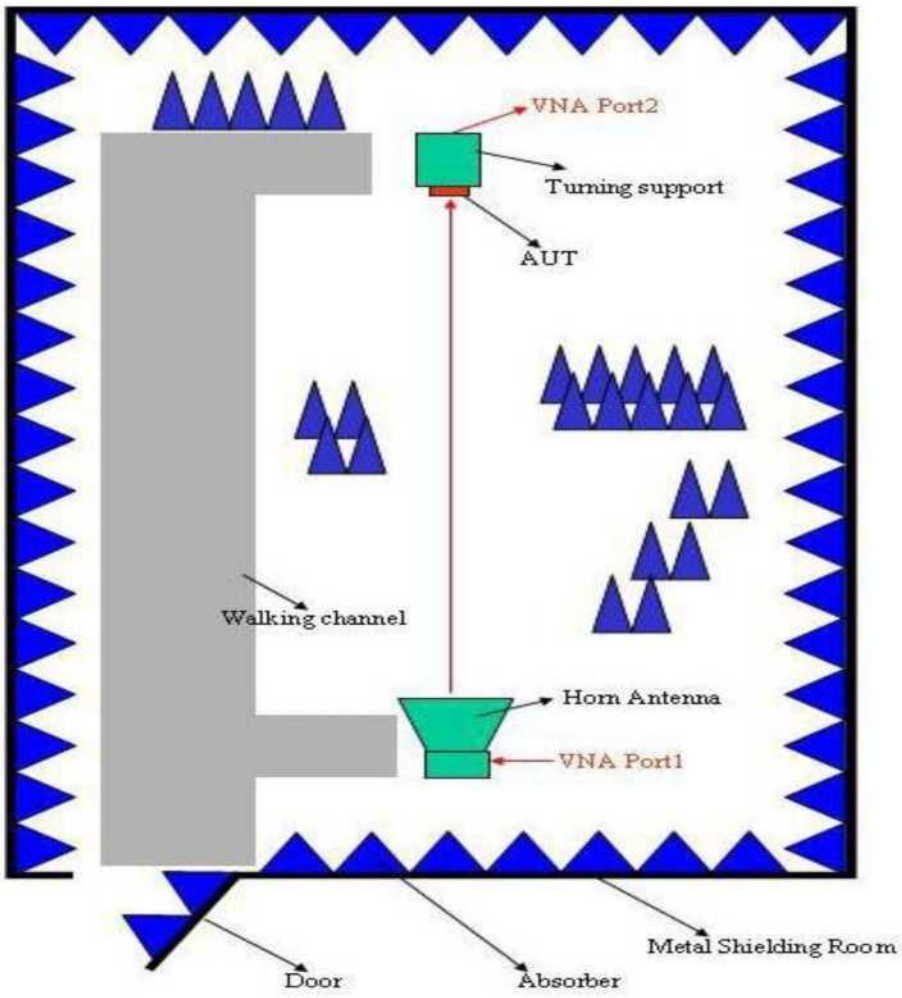
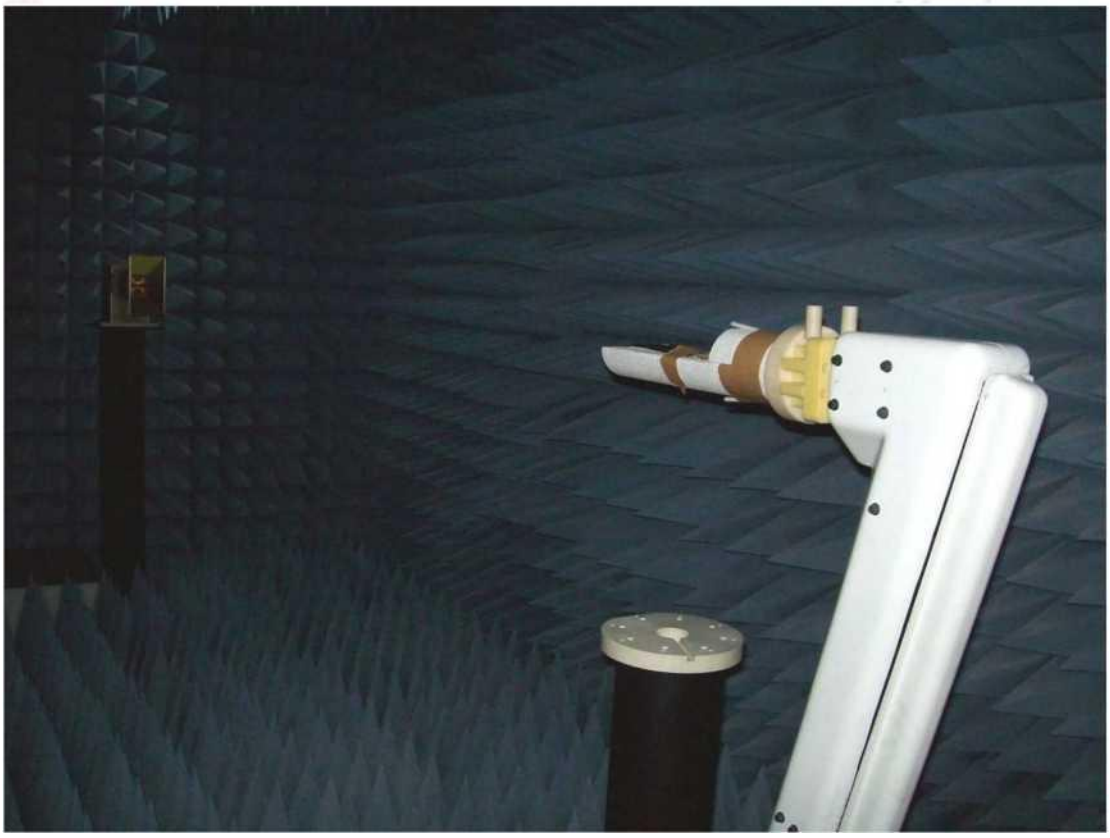
Retum Loss



The Environment of Antenna Radiation Pattem





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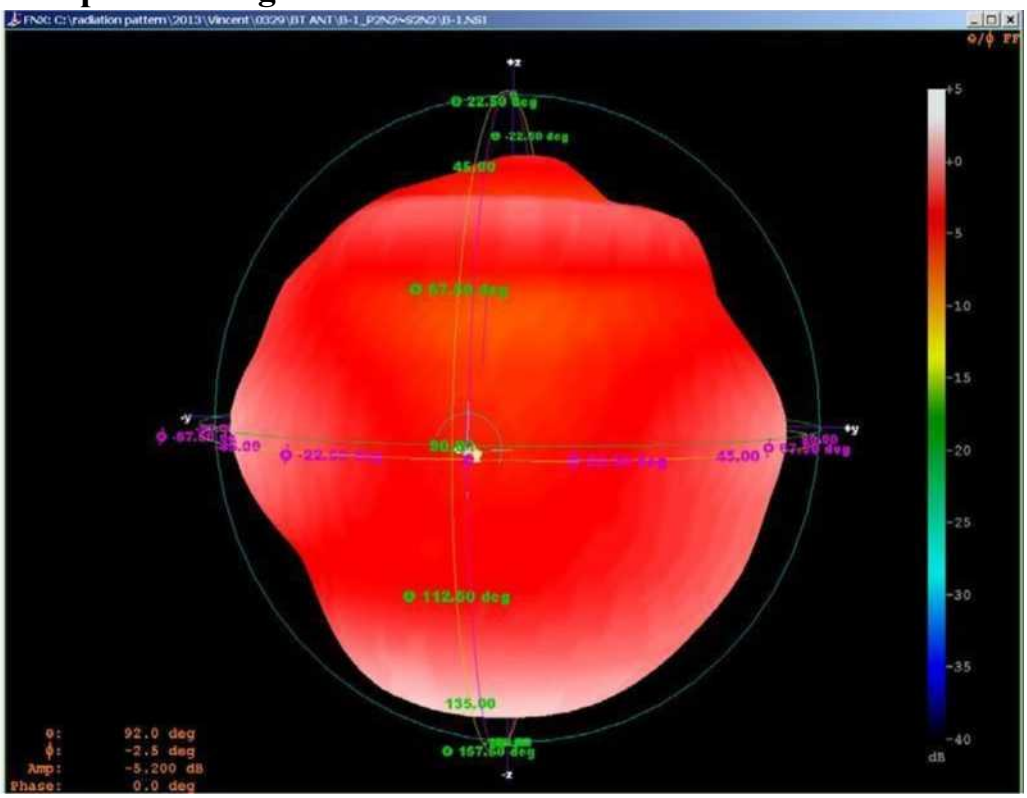
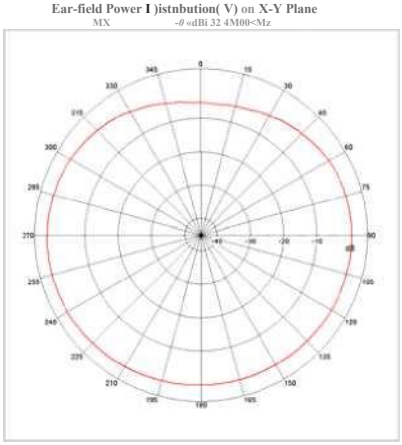
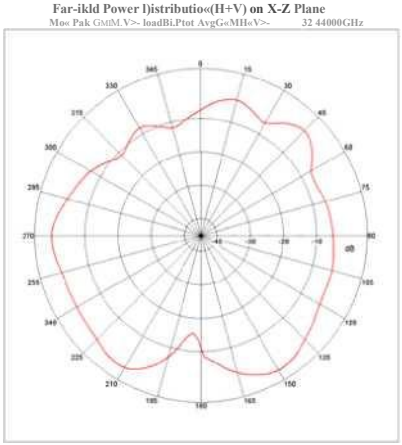
3D radiation pattern diagram



XY-plane



XZ-plane



YZ-plane