

Product SDecification

Manufacturer: GUANGZHOU RANTION TECHNOLOGY CO., LTD.

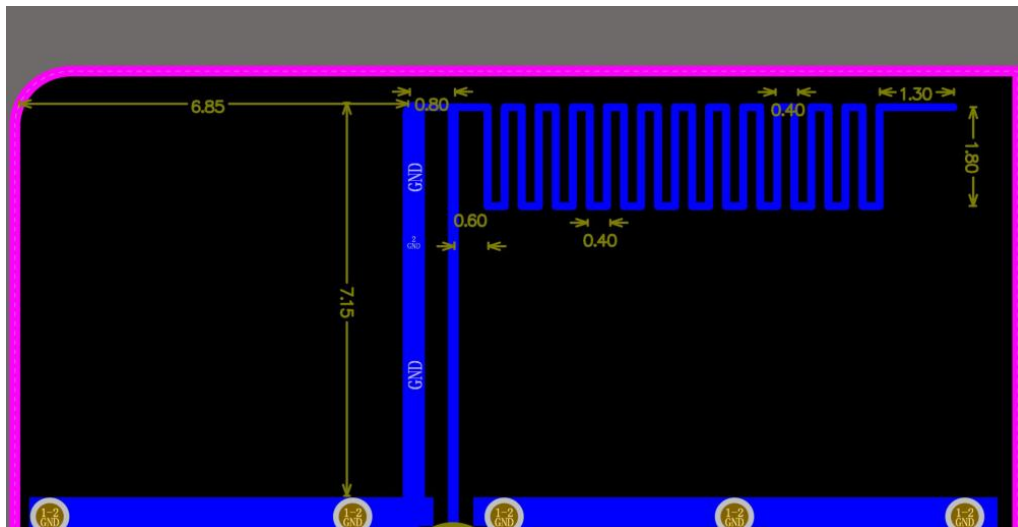
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Greater Bay Area, No. 28 Huangpu Park West Road, Huangpu District, Guangzhou, China.

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)	58.3%	
Max. Gain (dBi)	-4.9	
Maximum Power (dBm)	-4.9 (XY-plane)	
Minimum Power (dBm)	-8.3(YZ-plane)	
Avg. Power (dBm)	-7.2(XY-plane,XZ-plane,YZ-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

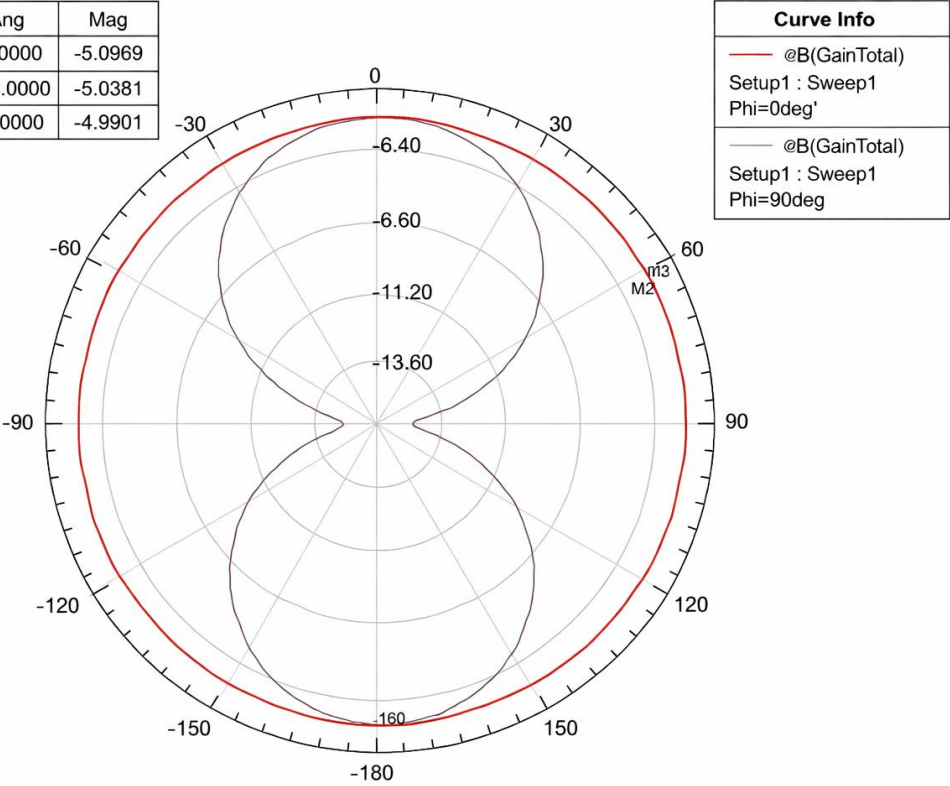


Antenna Gain

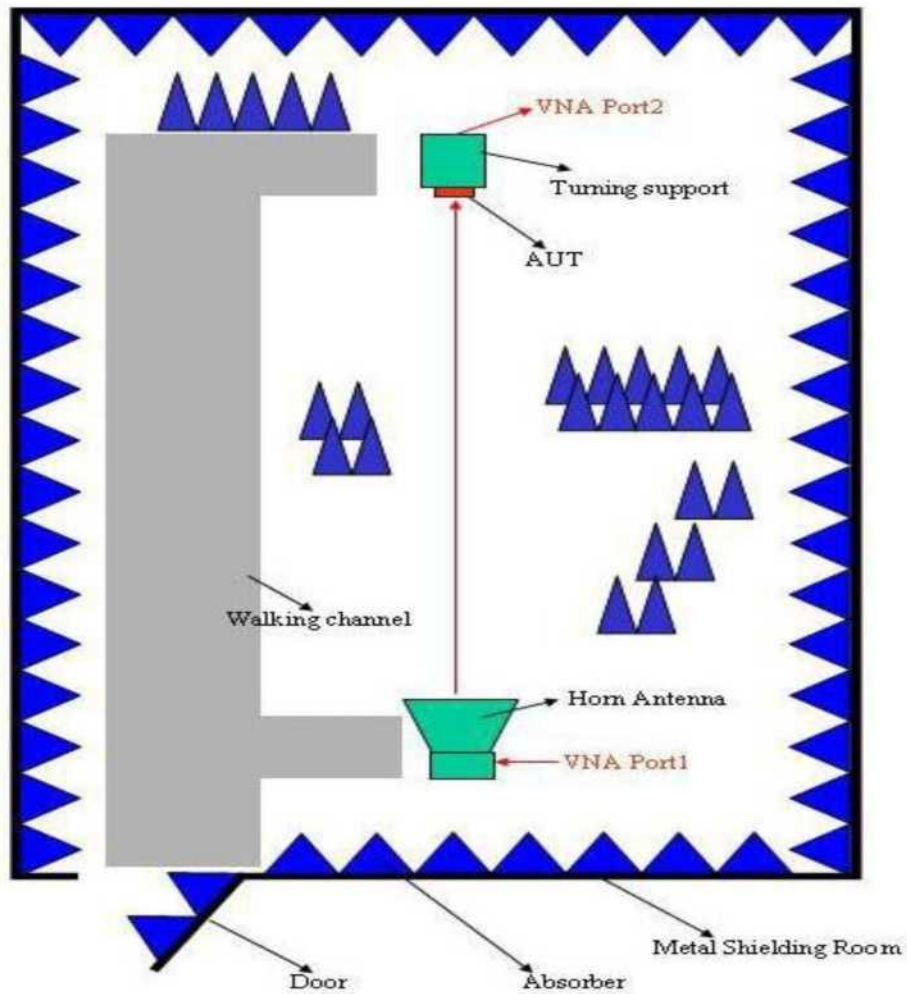
Gain Table

Unit in dBi @2.44GHz	XY-plane		XZ-plane		YZ-plane		Efficiency (%)
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	-4.9	-6.2	-5.5	-7.1	-6.8	-8.3	58.3%

Name	Theta	Ang	Mag
m1	-4.0000	-4.0000	-5.0969
m2	178.0000	178.0000	-5.0381
m3	60.0000	60.0000	-4.9901



The Environment of Antenna Radiation Pattern



3D radiation pattern diagram

