

Product Specification

Manufacturer: GUANGZHOU RANTION TECHNOLOGY CO., LTD.

Address: Room 432, Building 4, No. 50 Nanxiang 1st Road, Huangpu District, Guangzhou, China

Testing laboratory: TCT Testing Technology Co., Ltd.

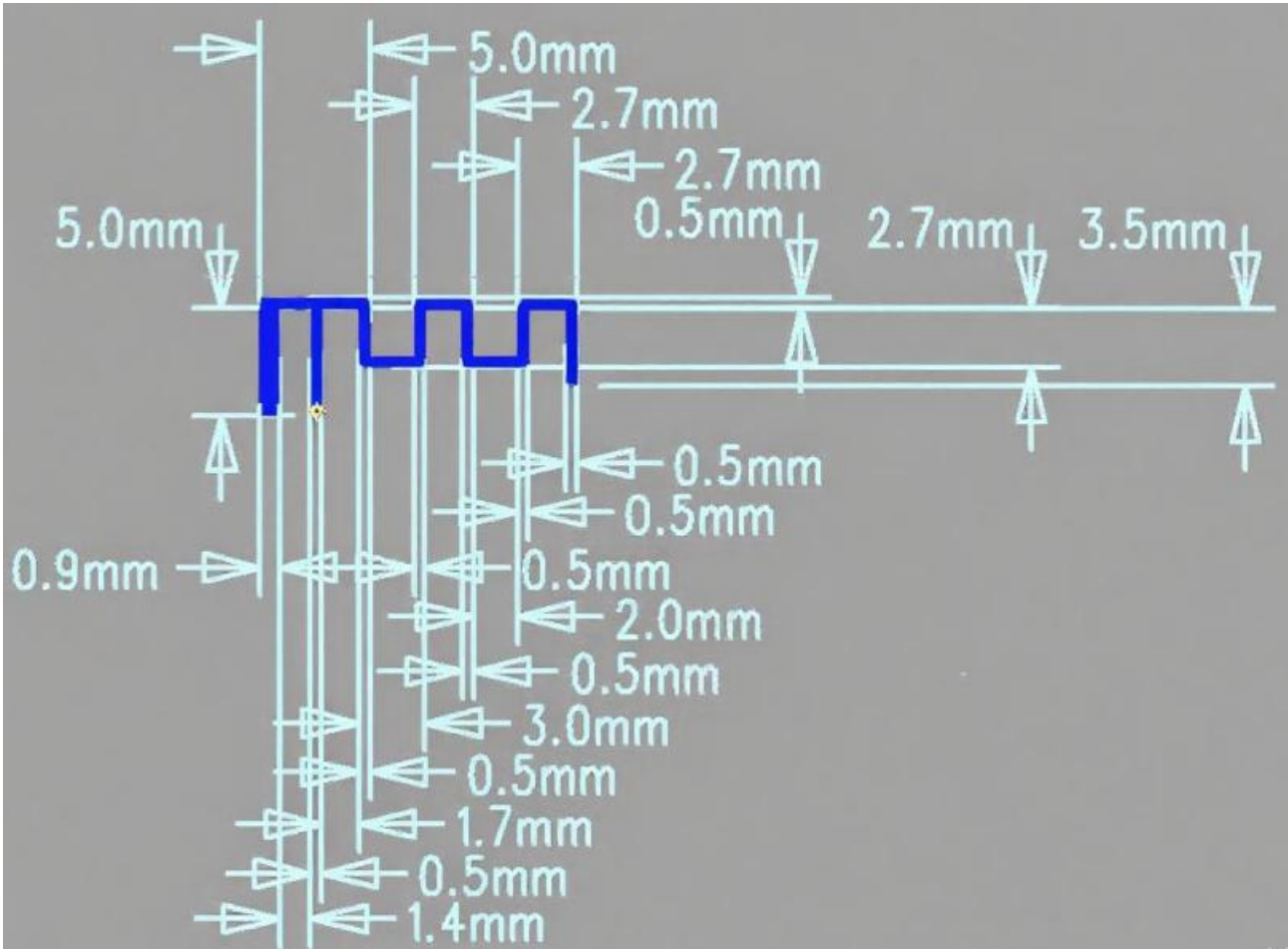
Model: DDP-100S

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)	0.5dbi	
Directivity (dBi)	1 (all direction antenna)	
Efficiency (dB)	60.2%	
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 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

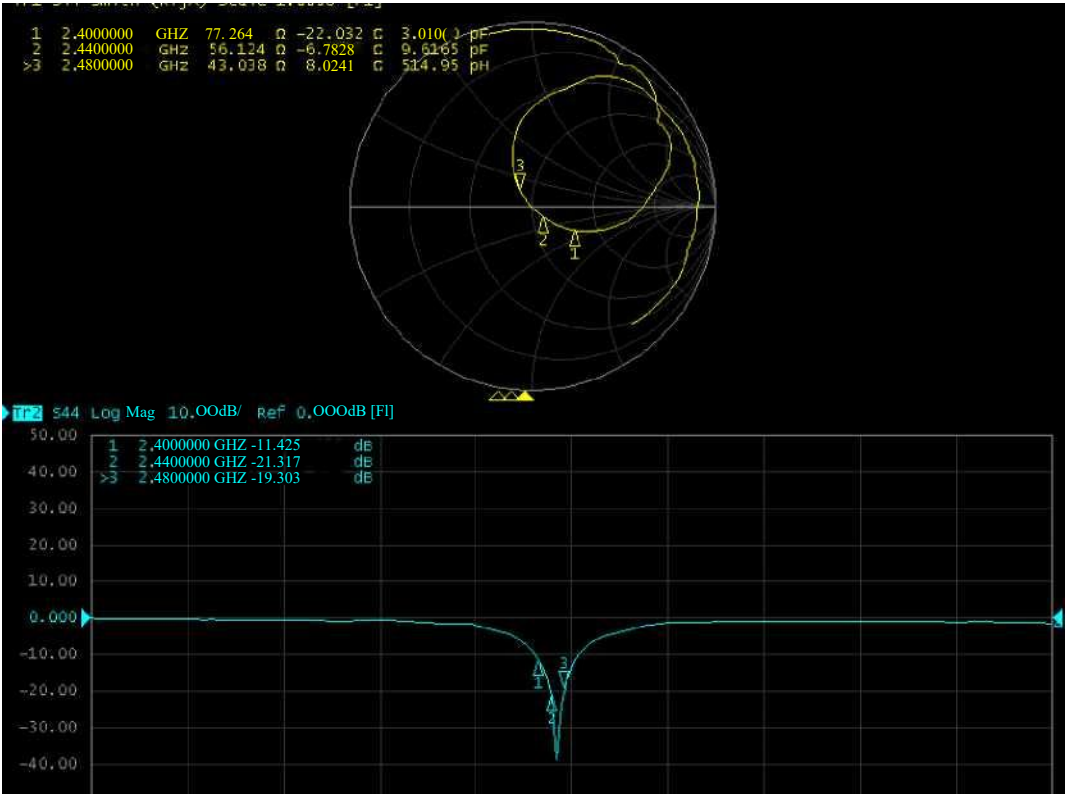


Antenna Gain(dBi)

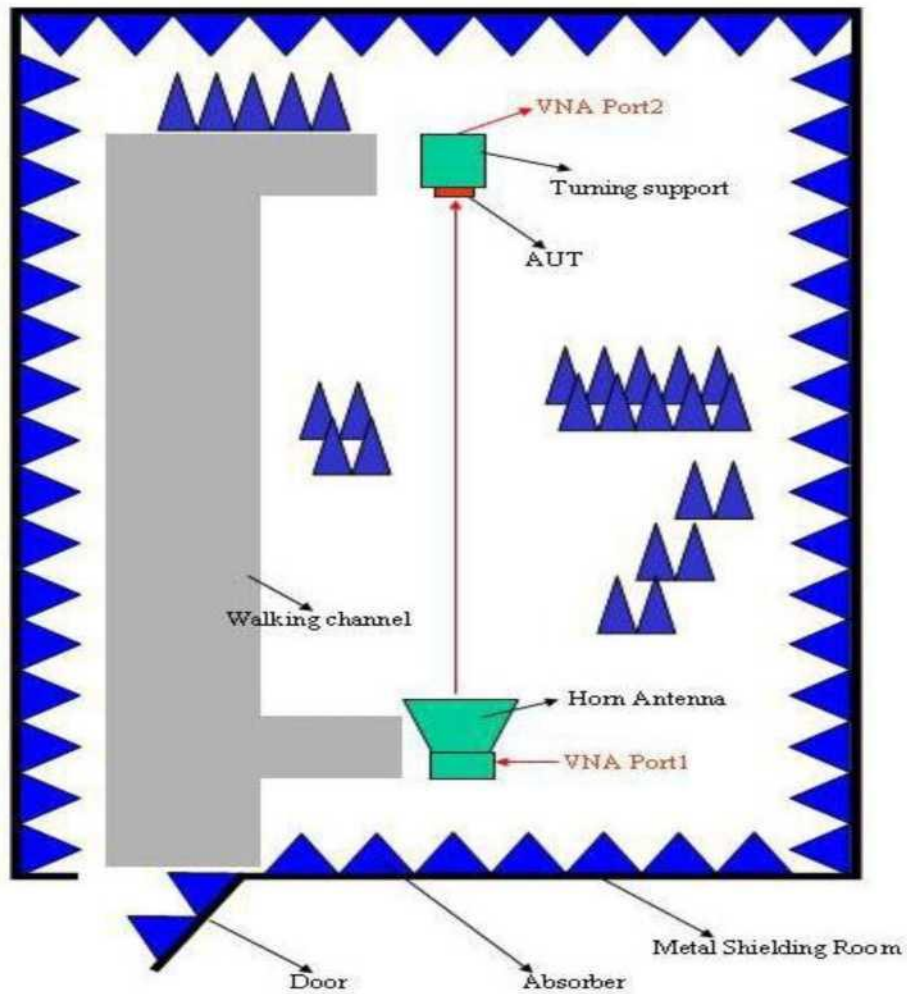
Gain Table

Unit in dBi @2.44GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	0.2	-0.8	0.5	-3.6	0.1	-3.0	6 0.2%

Return Loss



The Environment of Antenna Radiation Pattern



3D radiation pattern diagram(2.44GHz)

