

Antenna data sheet

	PCB antenna	
Frequency range	2400 ~ 2500MHz	
Antenna input power. (dBm)	0 (Typ. BT class 2 output power)	
Tot. Rad. Pwr. (dBm)	-1.0 (Input pwr – loss pwr)	
Peak EIRP(dBm)	1.0	
Directivity (dBi)	1 (all direction antenna)	
Efficiency (dB)	5 0.2 %	
Gain (dBi)	1.5 (Peak Gain XZ-plane)	
Maximum Power (dBm)	1.5(XY-plane)	
Minimum Power (dBm)	-3.5(XY-plane)	
Avg. Power (dBm)	-0.3(XY-plane)	
Input Impedence(ohm)	50	
Polarization Type	V ertical & H orizontal	
V . S .W . R	< 1.4	

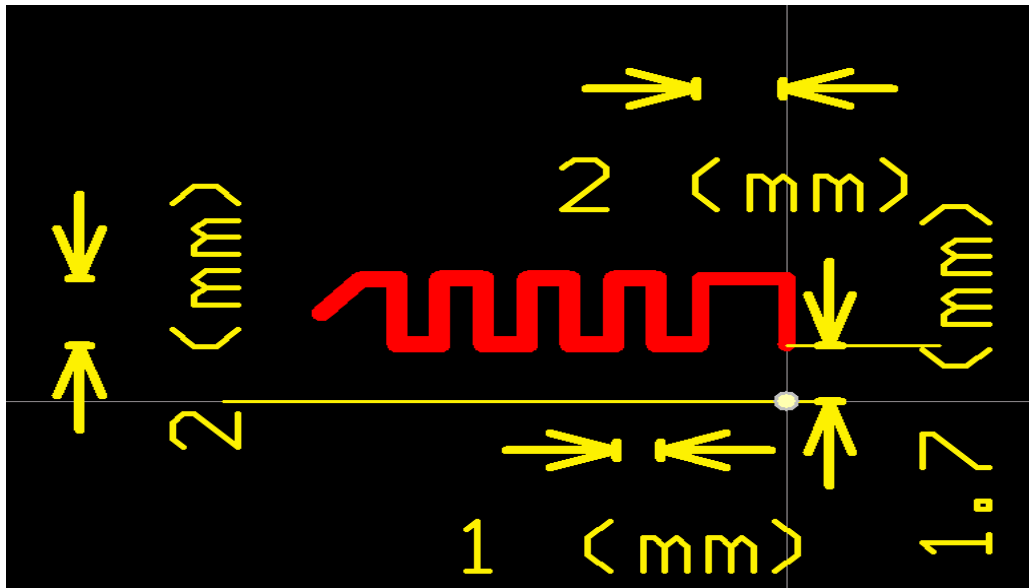
All the technical data and information contained herein are subject to change without prior notice

Manufacturer : ZHUHAI JIELI TECHNOLOGY CO., LTD

Address : No. 333 Kexing Road, Xiangzhou District, Zhuhai City, China

Antenna Layout & module on the system board



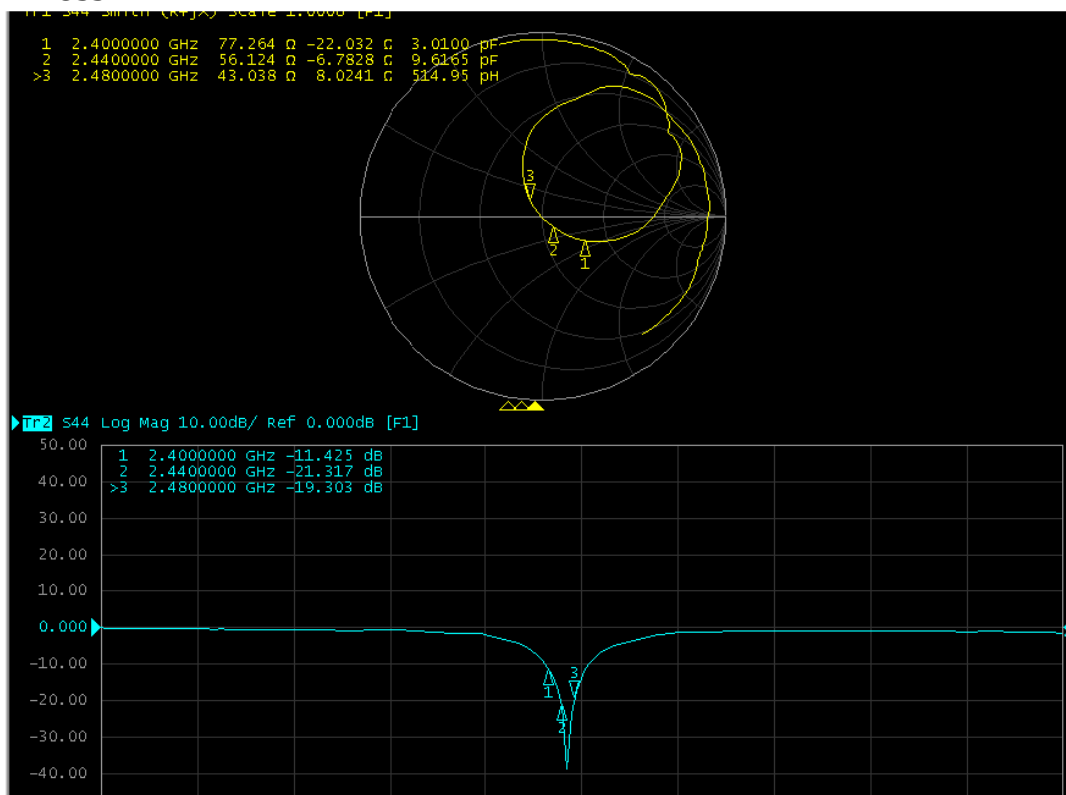


Antenna Gain

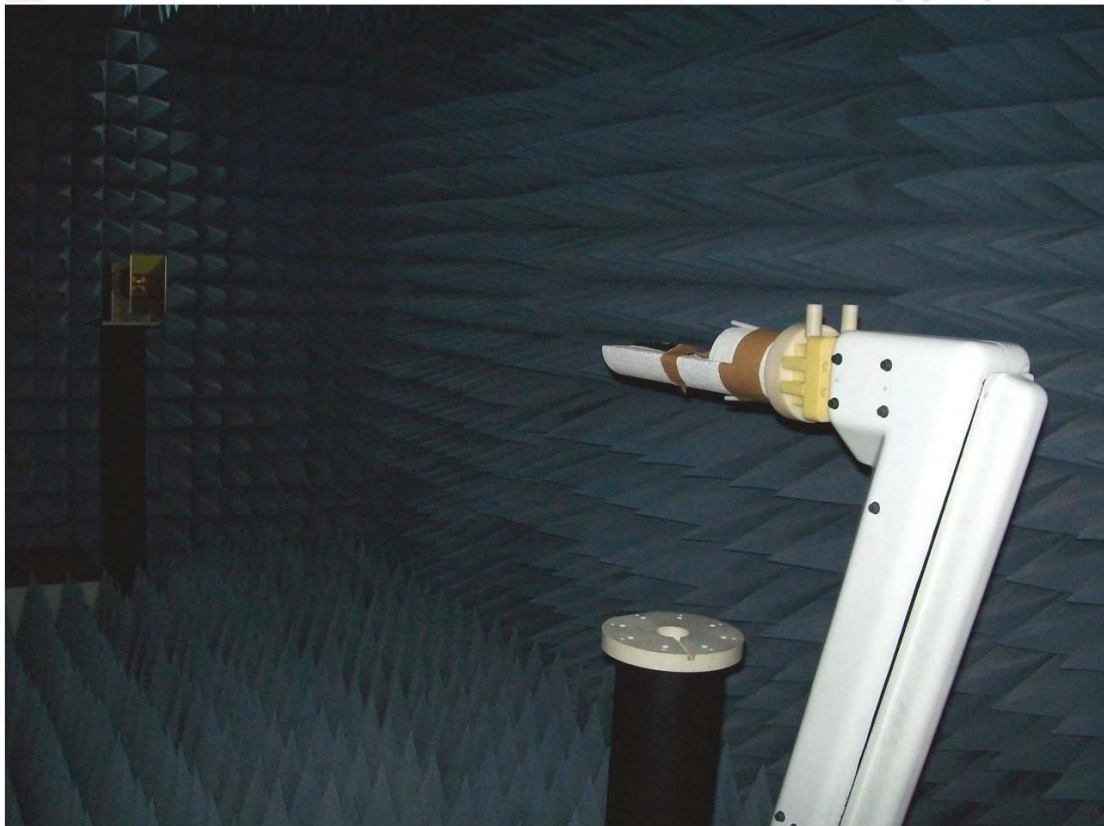
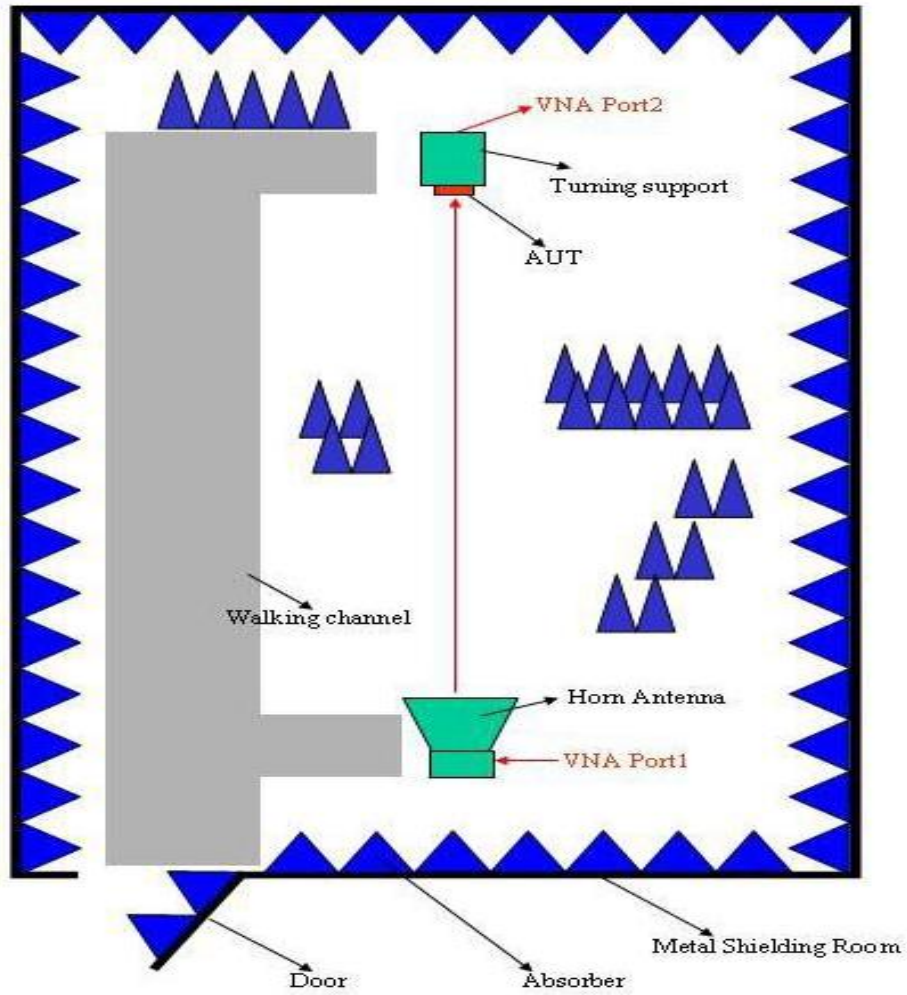
Gain Table

Unit in dBi @2.44GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg.	Peak	Avg.	Peak	Avg.	
Module Board	1.1	-0.4	1.5	-3.1	1.0	-2.0	5 0.2 %

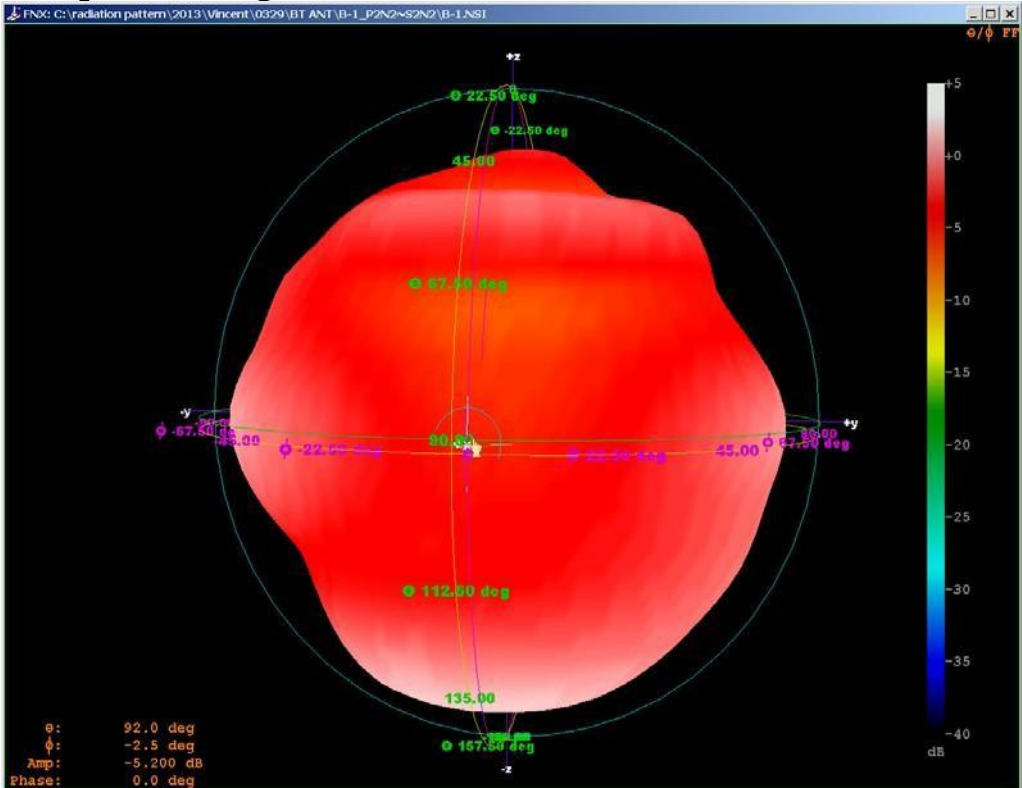
Return Loss



The Environment of Antenna Radiation Pattern



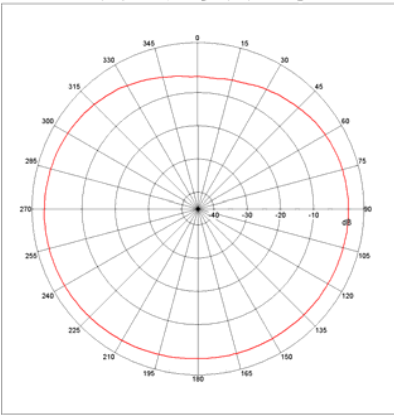
3D radiation pattern diagram



XY-plane

Far-field Power Distribution(H+V) on X-Y Plane

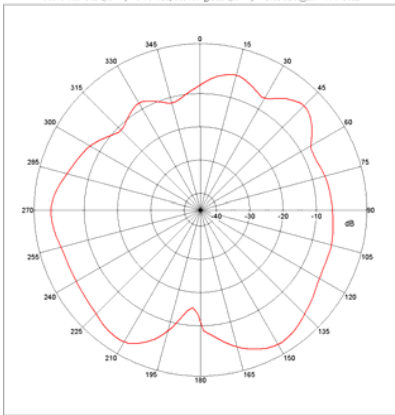
Plot Peak Gain(H+V)= 1.35 dB; Plot AvgGain(H+V)= -0.48dB @2.44000 GHz



XZ-plane

Far-field Power Distribution(H+V) on X-Z Plane

Plot Peak Gain(H+V)= 1.68 dB; Plot AvgGain(H+V)= -3.83dB @2.44000 GHz



YZ-plane

Far-field Power Distribution(H+V) on Y-Z Plane

Plot Peak Gain(H+V)= 1.11 dB; Plot AvgGain(H+V)= -2.99dB @2.44000 GHz

