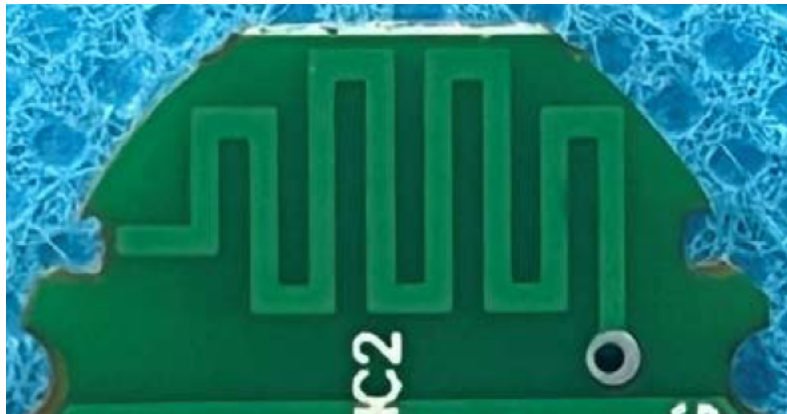


# Product specification

## Quick Reference

	Antenna model information	
Antenna Model	ZXD-F9	
Antenna Type	PCB	
Frequency	2.4-2.5GHz	
Ant. Port Input Pwr.(dBm)	0(Typ.BT class 2 output power)	
Tot.Rad.Pwr.(dBm)	-5.8(Input pwr-loss pwr)	
Peak EIRP(dBm)	-2.9	
Directivity(dBi)	1(all direction antenna)	
Efficiency(dB)	-5.8(26.03%)	
Gain(dBi)	-2.9(Peak Gain XY-plane)	
Maximum Power(dBm)	-2.9(XY-plane)	
Minimum Power(dBm)	-7.9(XY-plane)	
Average Power(dBm)	-4.5(XY-plane)	
Max/Min Ratio(dB)	5(XY-plane)	
Max/Avg Ratio(dB)	1.6(XY-plane)	
Min/Avg Ratio(dB)	-3.4(XY-plane)	
Average Gain(dB)	-4.5(Avg Gain XY-plane)	
Manufacturer	Shenzhen zhongxiangda technology co., ltd 11th Floor, Jianghao Science Park Business Center, Jihua Road, Bantian, Longgang District, Shenzhen City, Guangdong Province	

## Antenna module & Size

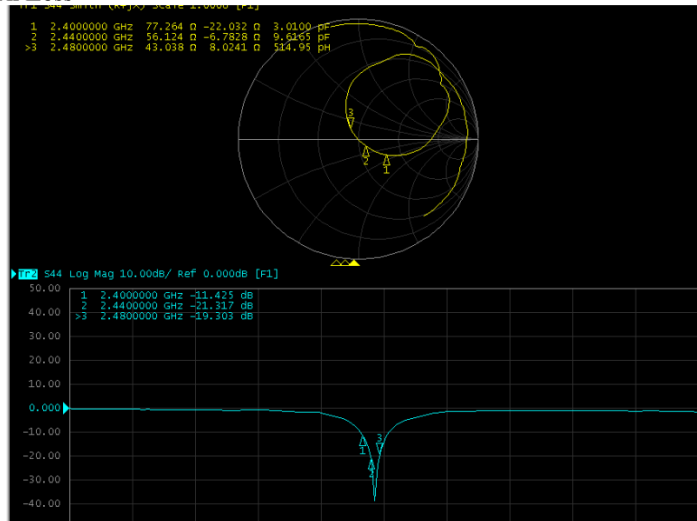


## Antenna Gain

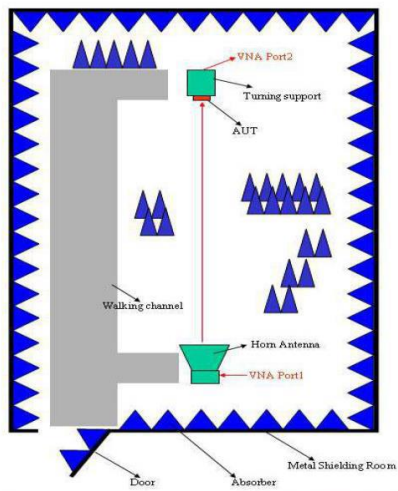
Gain Table

Unit in dB@ 2.44GHz	XY-plane		XZ-plane		YZ-plane		Efficiency
	Peak	Avg	Peak	Avg	Peak	Avg	
	-2.9	-4.5	-3.7	-6.9	-2.9	-6.1	

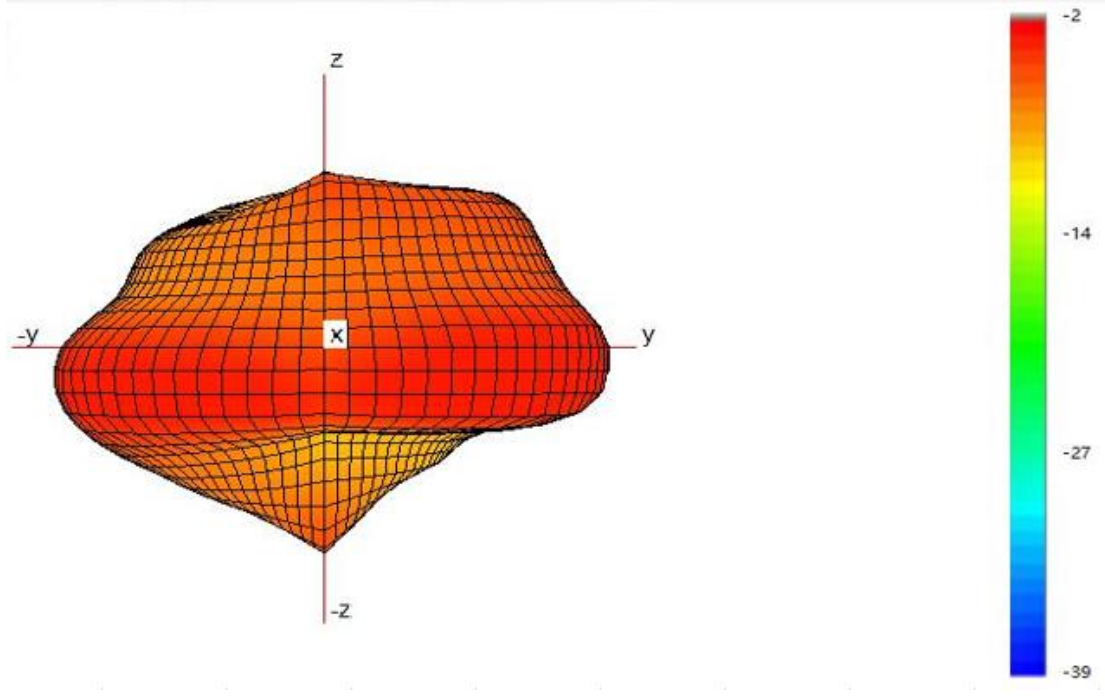
## Return Loss



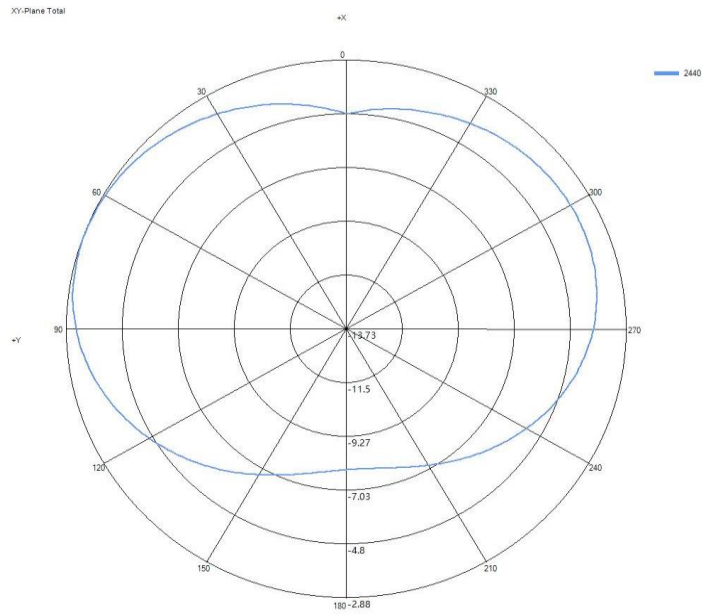
## The Environment of Antenna Radiation Pattern



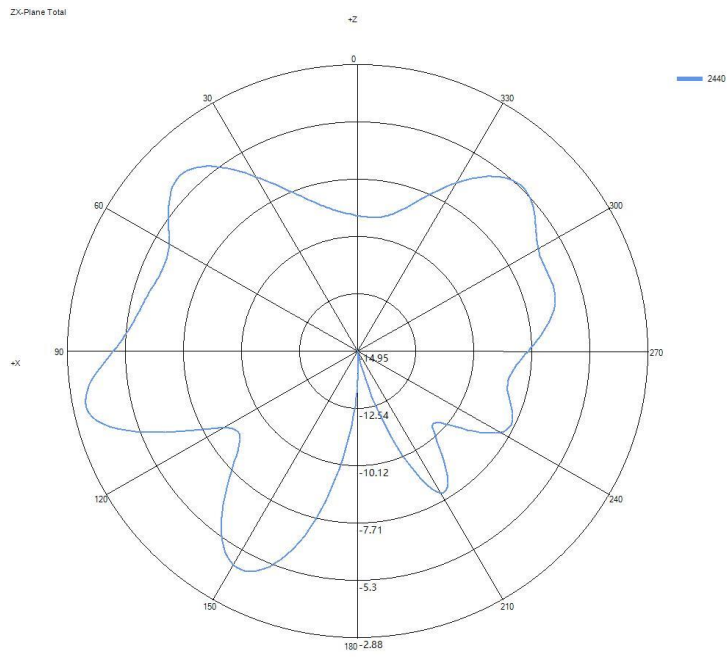
# 3D radiation pattern diagram



## XY-plane



# XZ-plane



# YZ-plane

