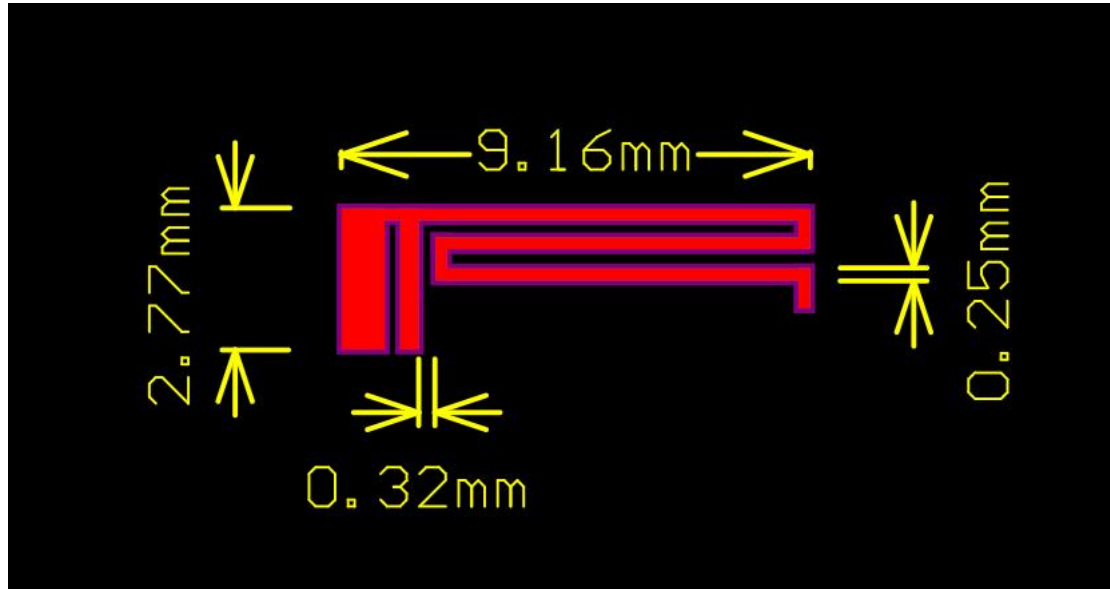


- Normal Dongle PIFA antenna design specification:

This PIFA antenna is used in normal dongle with whole layout board which size is 9.16mm*2.77mm and thickness is 1.0mm (FR4)



2-1 Normal Dongle PIFA

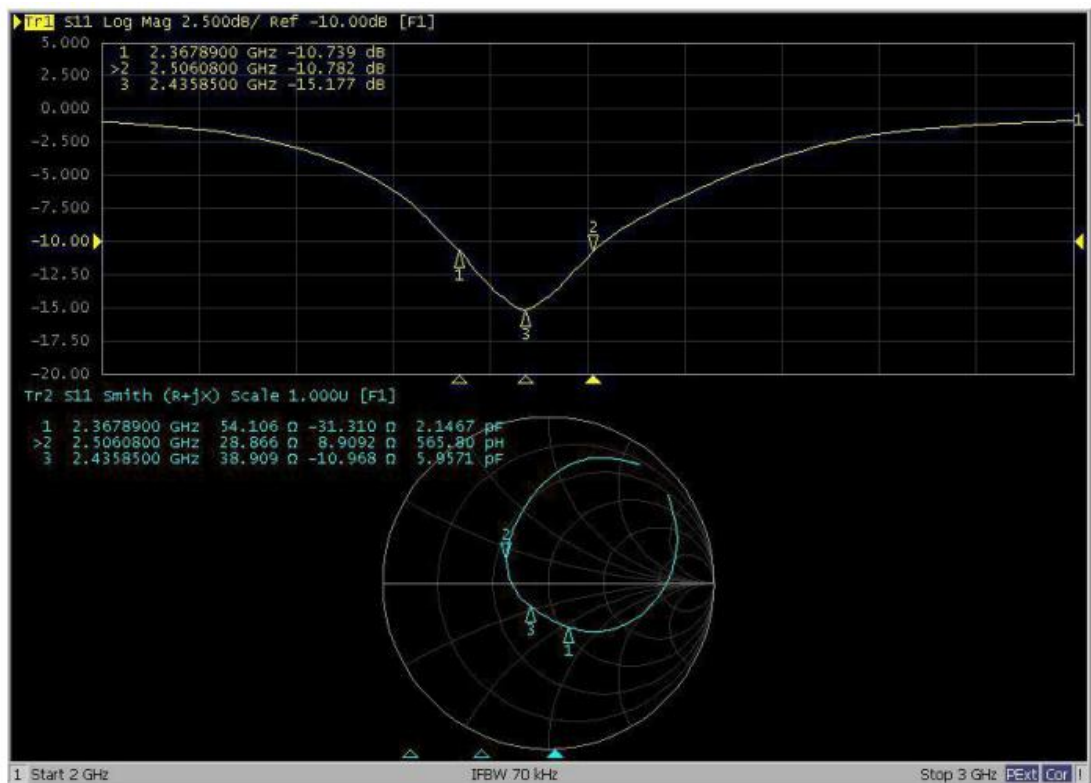
Antenna

The performance of S11 as blow show and the working frequency band cover 2.4G ISM and bandwidth is wider than nano dongle.

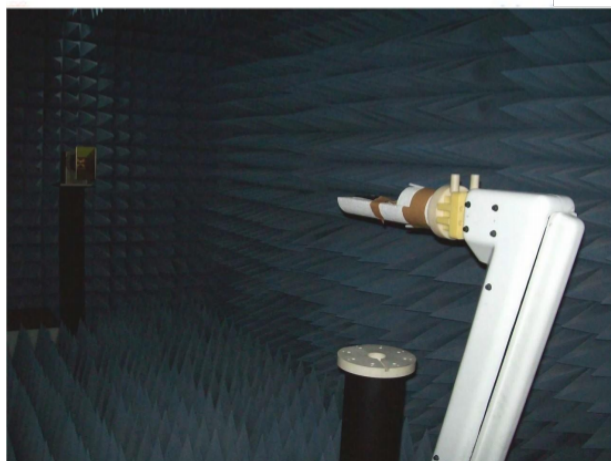
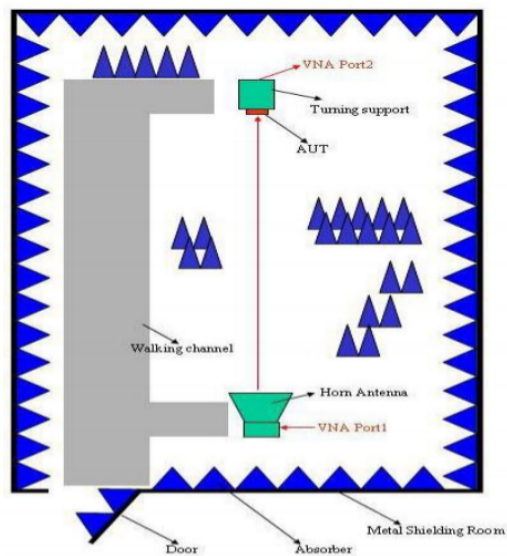
Model : DV-HDE-IR02

Company:Shen Zhen Shi Xi Di Ke Ji You Xian Gong Si

Address : Room 301,Building D,No. 12,Jinyuan 1st Road, Heao Community,Yuanshan Street, Shenzhen,China

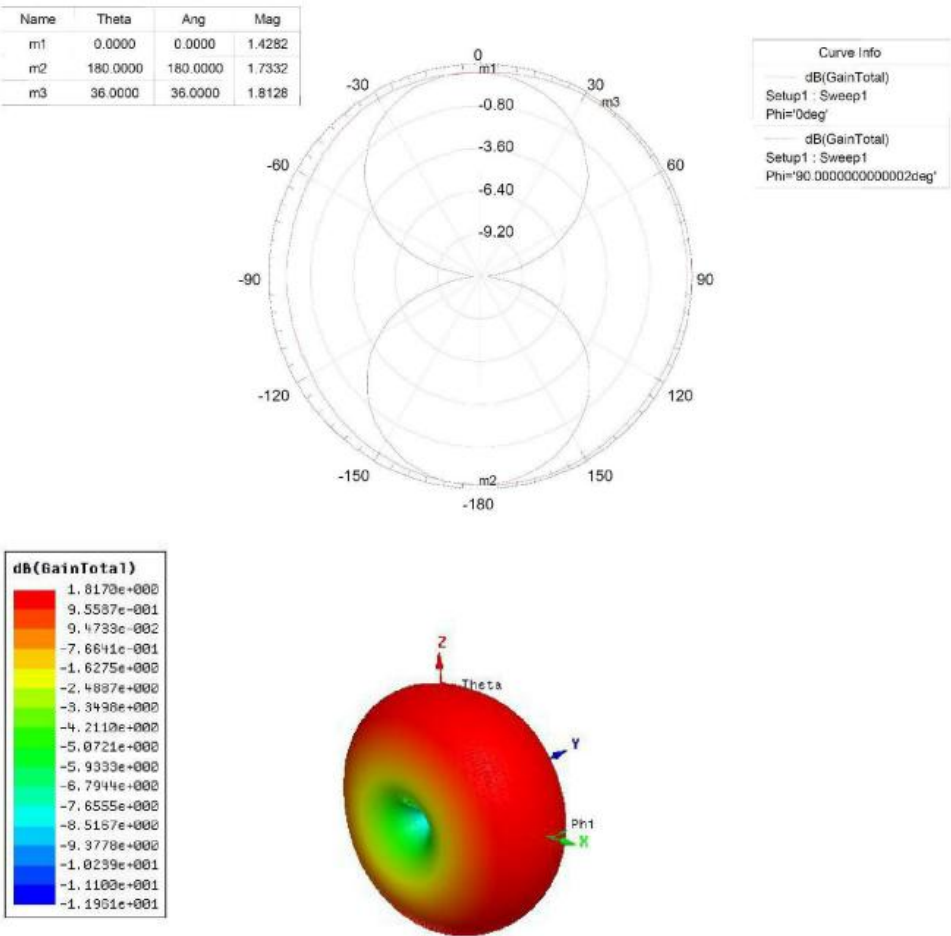


2-2 Normal Dongle PIFA S11 performance



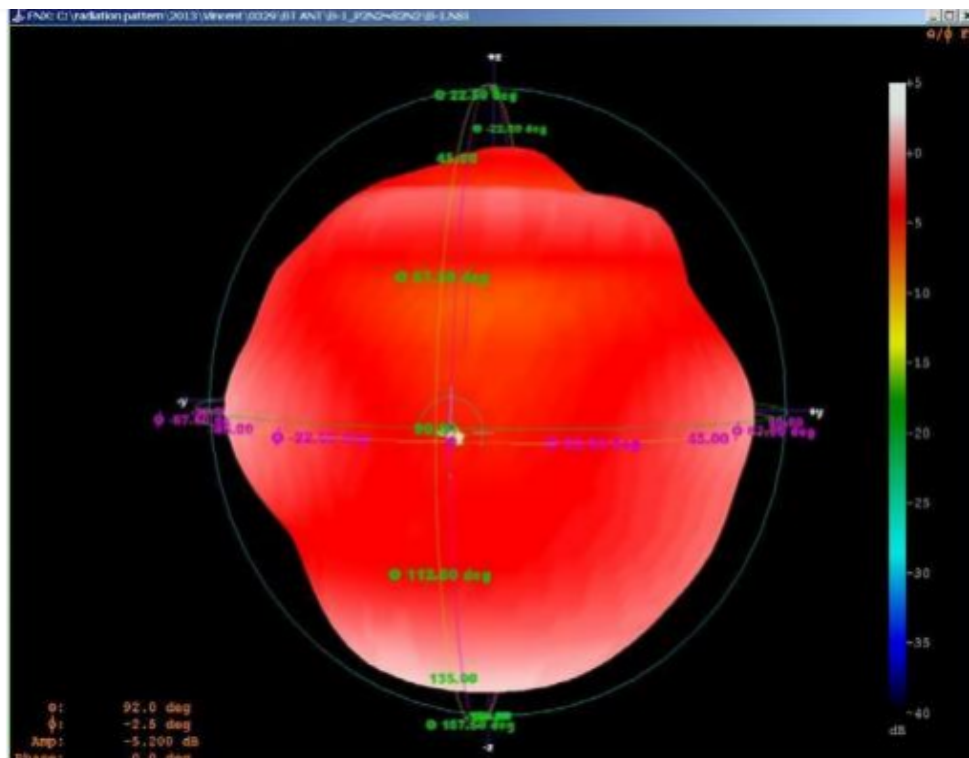
The gain of this antenna 2D and 3D as blow show and the maximum gain is about 1.5dB.

The gain of this antenna 2D and 3D as blow show and the maximum gain is about 1.5dB.



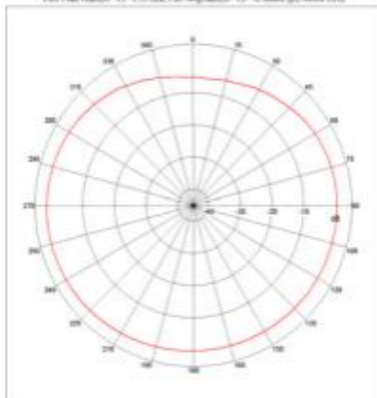
Radiation Patterns(GAIN @ 2440MHz)									
Plane	XY			XZ			YZ		
Frequency(MHz)	2400	2440	2480	2400	2440	2480	2400	2440	2480
Peak Gain(dBi)	1.70	1.73	1.71	1.79	1.81	1.78	1.71	1.73	1.72

2-3 Normal Dongle PIFA gain



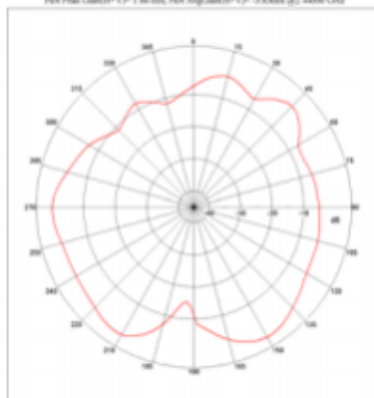
XY-plane

Far-field Power Distribution(H+V) on X-Y Plane
Plot Peak Gain(H+V)= 1.35 dBi, Plot Avg Gain(H+V)= -0.90 dBi (2.44GHz)



XZ-plane

Far-field Power Distribution(H+V) on X-Z Plane
Plot Peak Gain(H+V)= 1.46 dBi, Plot Avg Gain(H+V)= -0.85 dBi (2.44GHz)



YZ-plane

Far-field Power Distribution(H+V) on Y-Z Plane
Plot Peak Gain(H+V)= 1.21 dBi, Plot Avg Gain(H+V)= -2.99 dBi (2.44GHz)

