

G605T 印制天线规格书

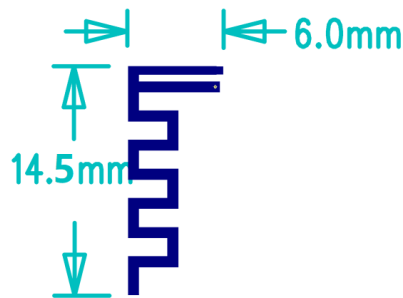
一、设计指标(design objective):

频带(frequency range)	2.412~2.482GHz
天线辐射效率（不包括端口损耗） Antenna radiation efficiency (excluding port loss)	>60%
增益 G(gain)	1.50dBi
隔离度(isolation)	<-10dB

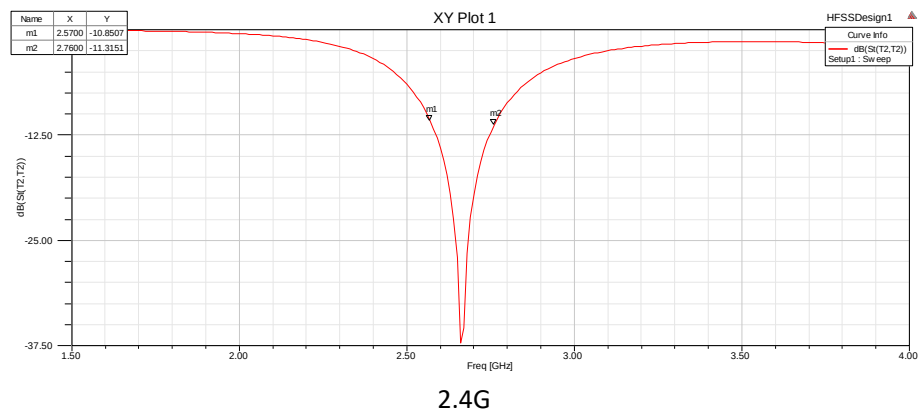
二、天线设计规格(Antenna design specifications)

Considering the product's usage environment and design constraints, a nearly omnidirectional planar IFA antenna is adopted. And the modeling and simulation are carried out based on HFSS.

1. 设计规格(Design specifications)



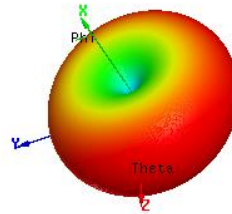
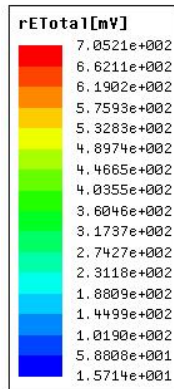
2. S 参数(S parameters)



3. 辐射图(Radiation Map)

Shenzhen Shengong Created Technology Co.,Ltd

3 floor, Building 1, HongCangFa Industrial Park, Longxi community, Longgang Street, Longgang Town, Shenzhen, China



2.4G

4. 辐射参数(Radiation parameters)

Antenna Parameters:			
	Quantity	Freq	Value
	Max U	2.4GHz	0.00065957 W/sr
	Peak Directivity		1.6417
	Peak Gain		1.5012
	Peak Realized Gain		0.82886
	Radiated Power		0.0050487 W
	Accepted Power		0.0055214 W
	Incident Power		0.01 W
	Radiation Efficiency		0.91439
	Front to Back Ratio		1.0304
	Decay Factor		0

2.4G

三、样品测试(sample test)

After the proofing process, passive tests were conducted based on the meshing method. The test results are as follows:

