

G605T printed antenna specification sheet

I. Design Indicators:

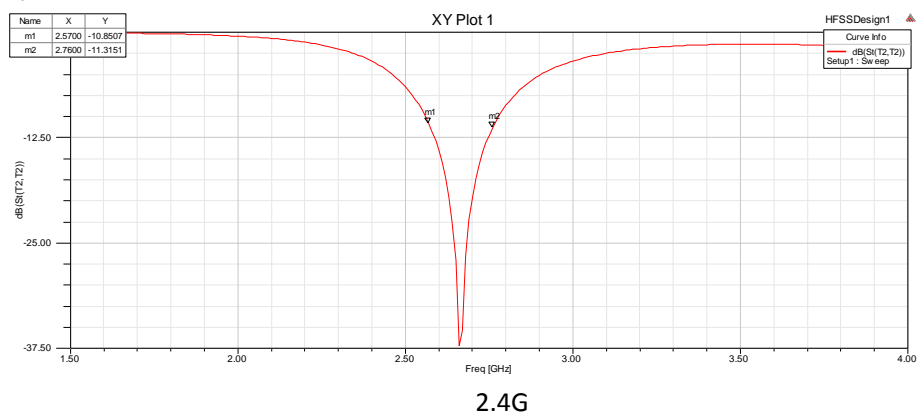
Frequency band	2.412~2.482GHz
Antenna radiation efficiency (excluding port loss)	>60%
Gain	>1dBi(No more than 2dBi)
Degree of isolation	<-10dB

II. Antenna Design Specifications

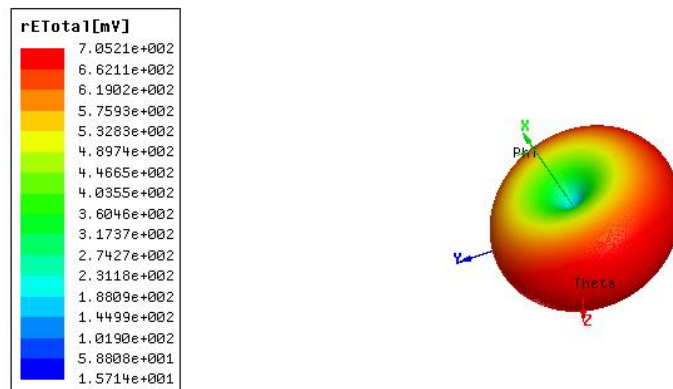
1. Considering the product's usage environment and design limitations, an approximately omnidirectional planar IFA antenna is adopted. And conduct modeling and simulation based on HFSS.
2. Design specifications



3. S parameter



4. Radiation diagram



2.4G

5. 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

iii. Sample Testing

After sampling, passive testing was conducted based on the network score. The test results are as follows:

