

# G605T printed antenna specification sheet

## I. Design Indicators:

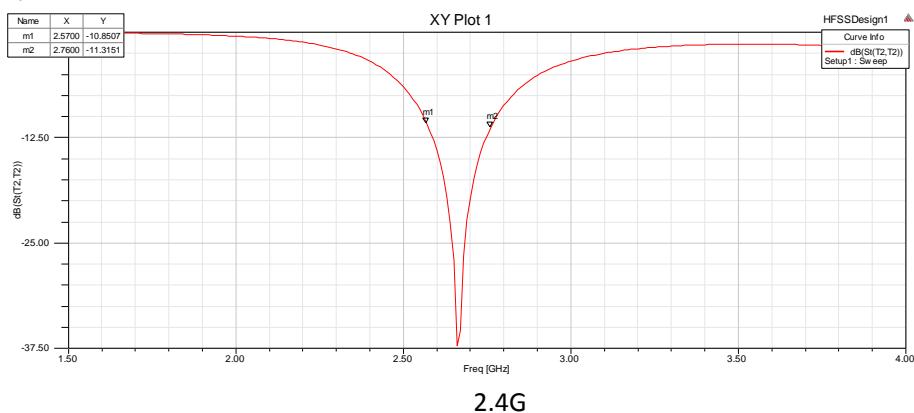
Frequency band	2.412~2.482GHz
Antenna radiation efficiency (excluding port loss)	>60%
Gain	>1dBi(No more than 2dBi)
Degree of isolation	<-10dB

## II. Antenna Design Specifications

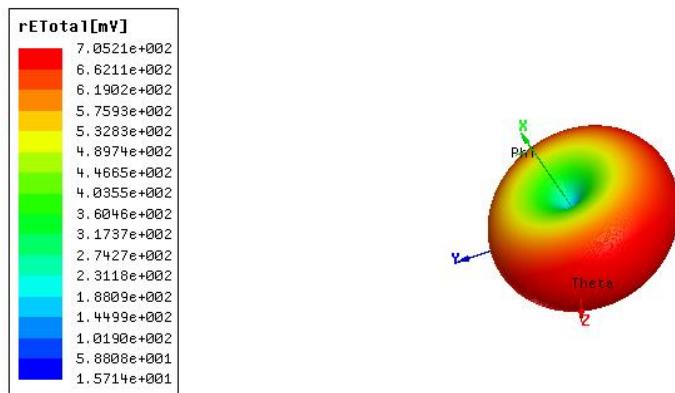
- Considering the product's usage environment and design limitations, an approximately omnidirectional planar IFA antenna is adopted. And conduct modeling and simulation based on HFSS.
- Design specifications



### 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:**

