

Antenna Specification

Antenna Model: V209

Antenna Type: Patch ANT

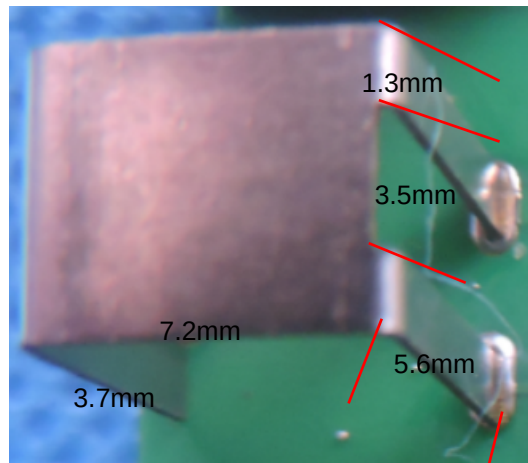
Manufacture: SAGE ELECTRONICS TECHNOLOGY LIMITED

1. The design target

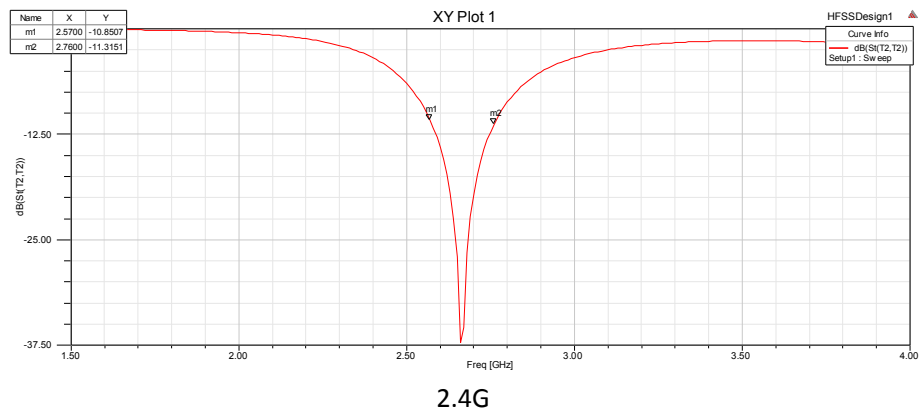
Frequency	2.402~2.482GHz
The antenna radiation efficiency	>60%
Antenna Gain	1.03.dBi
isolation	<-10dB

2. Antenna design

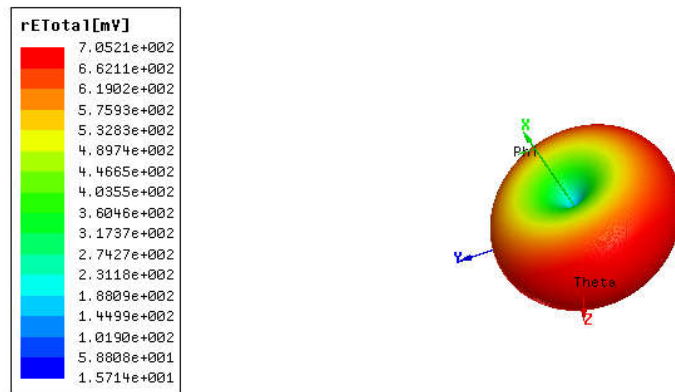
1. Design specifications



2. S parameter

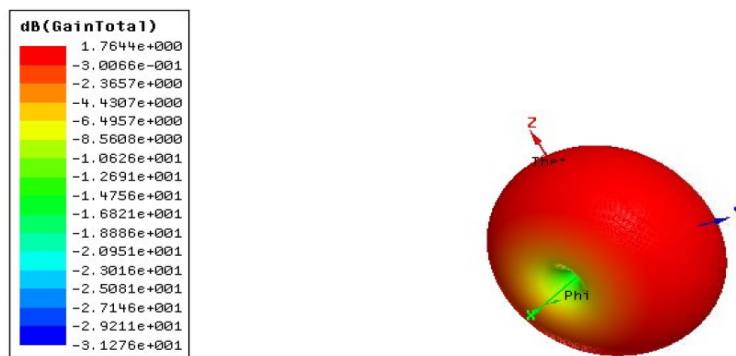


3. Radiation pattern



2.4G

4. Radiation parameters



2.4G

Antenna Parameters:				
	Quantity	Freq	Value	
	Max U	2.4GHz	0.00065957 W/sr	
	Peak Directivity		1.6417	
	Peak Gain		1.03	
	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	

Frequency(MHz)	Efficiency(%)	Gain(dBi)
2400	25.27	-1.152
2450	15.16	1.027
2500	21.19	0.191

3. The sample test

