

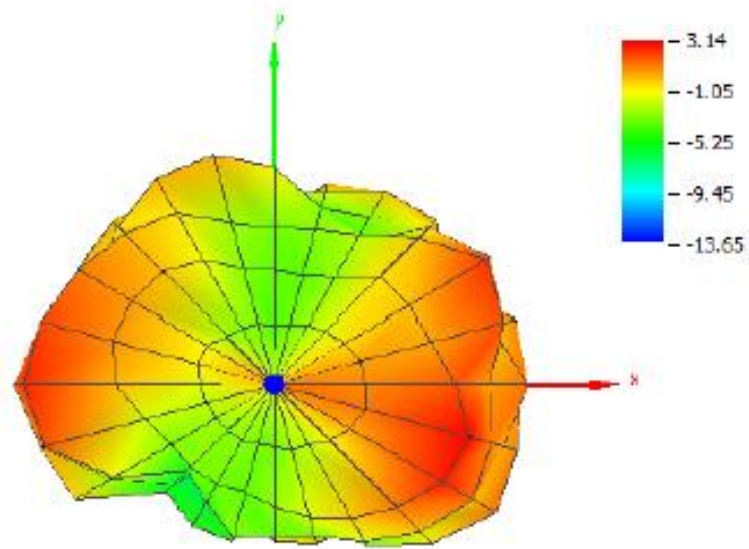
# Antenna Specification

## 1.1 Basic Specifications

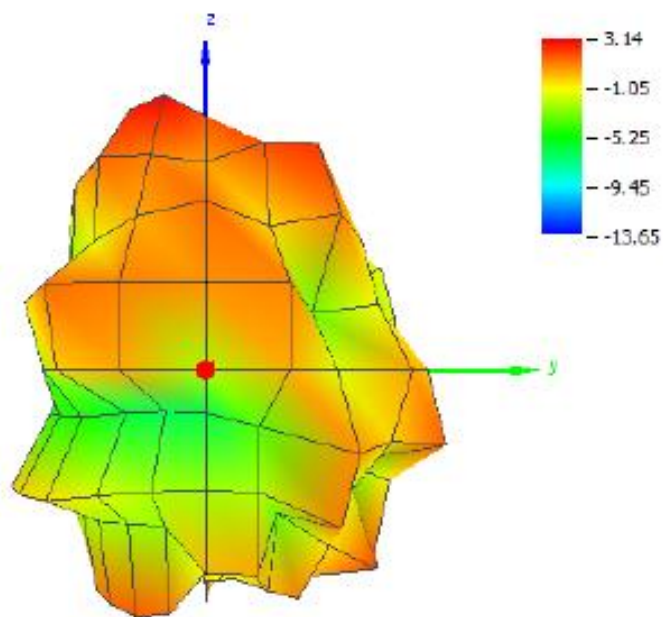
No.	Specification	Descriptions	Notes	
1	Antenna Name	antenna is a printed trace on the circuit board	antenna type: PIFA	
2	Brand	New Potato	copy of TI reference design SWRA496a (board #2)	
3	Operation Frequency	2.4~2.483GHz;		
4	Connector Type	N/A	connected permanently	
5	Impedance	50ohm		
6	Gain at 2.4GHz	2.67dBi	peak gain	
7.	Gain at 2.44 GHz	2.78dBi	peak gain	
8	Gain at 2.48GHz	3.14dBi	peak gain	
9	Efficiency at 2.4GHz	63.6%		
10	Efficiency at 2.44GHz	62.3%		
11	Efficiency at 2.48GHz	71.4%		
12	VSWR	≤2.5		

## 1.2 Radiation pattern

Frequency	Efficiency (%)	E total (dB)
2400 MHz	64	2.67
2420 MHz	63	2.72
2440 MHz	62	2.78
2460 MHz	68	2.98
2480 MHz	71	3.14



Horizontal



Vertical

### 1.3 Structure drawing (mm)

