

Antenna Specification

Manufacturer: Shanghai Shangyuan Communication Technology Co., Ltd.

Address of manufacturer: Building 5, Nan Tai Yun Chuang Valley, Guang Ming
District, Shenzhen City, 6th Floor

2.1 Basic Specifications

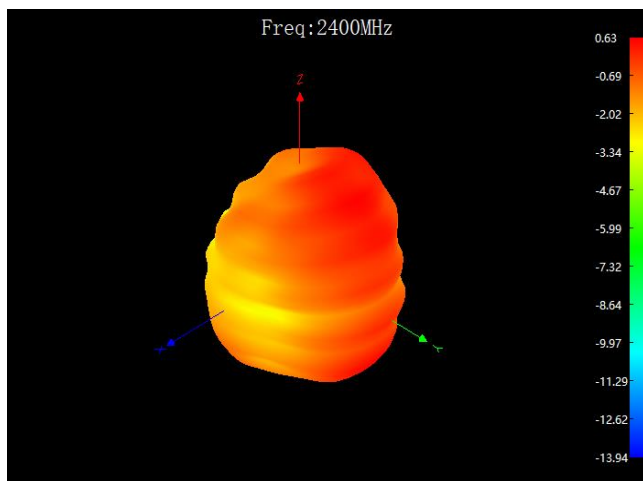
No.	Specification	Descriptions	Notes
1	Antenna model	SY_VL533_BT_V0.2	
2	Antenna type	monopole	
3	Operation Frequency	2.4-2.483GHz	
4	Impedance	50ohm	
5	Gain (MAX)	1.88 <u>dBi@2.4~2.483GHz</u>	
6	Efficiency	$\geq 50\%$	
7	VSWR	≤ 2.5	

2.2 Efficiency/Gain:

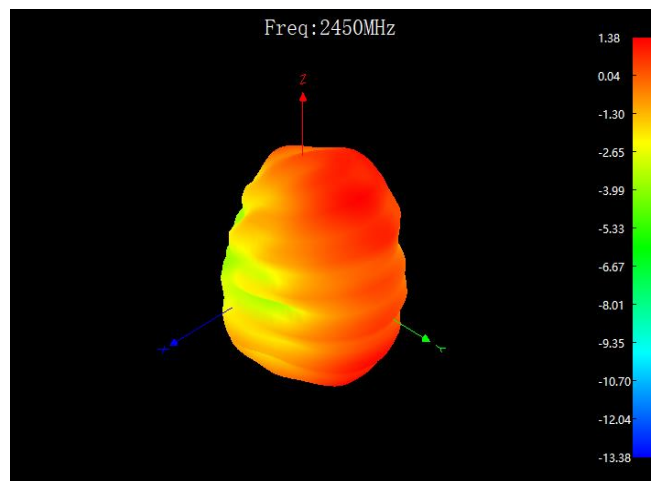
Frequency/Mhz	Efficiency / dB	Efficiency / %	MaxGain/dBi
2400	-2.7	53.7	0.63
2410	-2.57	55.34	0.75
2420	-3.14	48.53	0.2
2430	-3.1	48.98	0.31
2440	-2.72	53.46	0.89
2450	-2.21	60.12	1.38
2460	-2.23	59.84	1.56
2470	-2.23	59.84	1.45
2480	-2.02	62.81	1.76
2490	-2.16	60.81	1.7
2500	-2.06	62.23	1.88

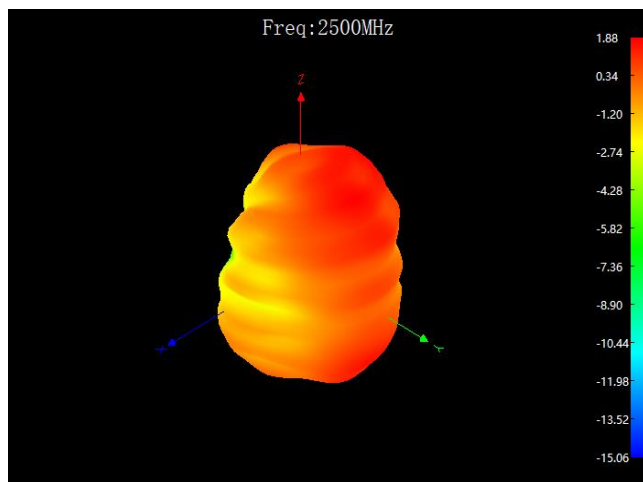
2.3 radiation pattern

2400M



2450M





2500M

1.3 Antenna Size

