

# Antenna Report

Specification		
Dimensions	/	
Impedance	50Ω	
Test environment	Free space	
Spectrum	WIFI	
Freq. Range	2.4-2.5GHz 5.0-5.9 GHz	
Antenna type	External Antenna	
VSWR	2.4-2.5GHz 5.0-5.9 GHz < 2.0	
Gain	Antenna 1 2.4-2.5GHz: 1.34dBi(Peak gain) 5.0~5.9 GHz : 4.44dBi(Peak gain) Antenna 2 2.4-2.5GHz: 2.11dBi(Peak gain) 5.0~5.9 GHz : 5.46dBi(Peak gain)	
Model	YS030-0127	
Brand	N/A	
Manufacturer	Shenzhen Yu Sheng Communications Electronics co., LTD	

Antenna 1

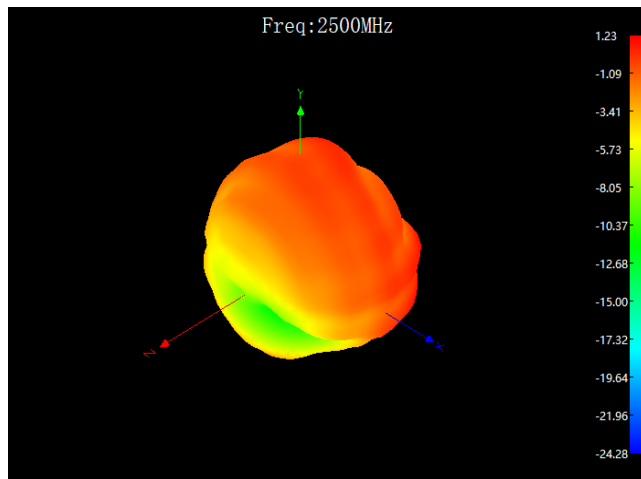
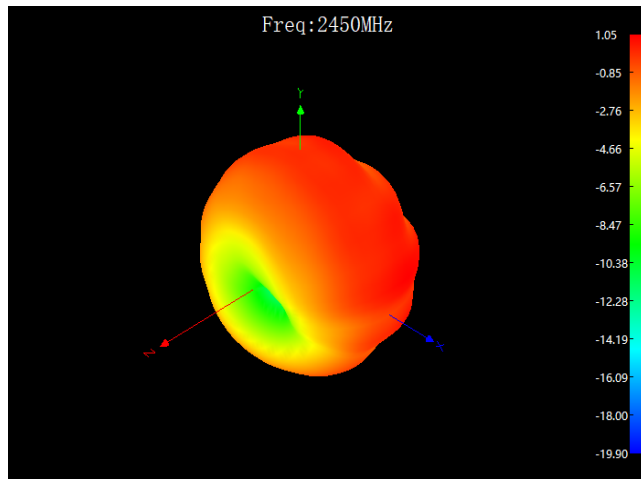
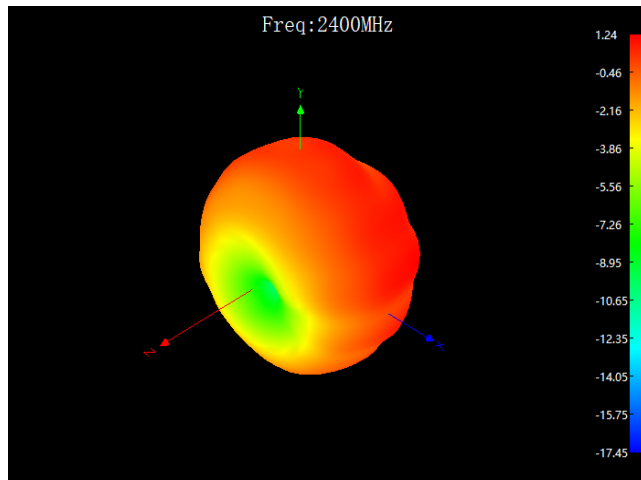
Frequency/MHz	MaxGain/dBi	Efficiency / %
2400	1.24	62.66
2405	1.34	60.81
2410	1.02	60.12
2415	1.01	58.48
2420	0.97	57.41
2425	0.97	55.72
2430	0.9	55.08
2435	1.04	53.21
2440	0.95	52.6
2445	0.98	51.17
2450	1.05	50.23
2455	1.06	49.43
2460	0.93	48.87
2465	1.04	47.1
2470	0.96	47.53
2475	0.81	46.13
2480	1.02	46.45
2485	1.22	46.03
2490	1.27	46.77
2495	1.13	46.67
2500	1.23	49.09
5000	1.04	48.53
5050	1.28	52.72
5100	1.11	54.45
5150	1.16	59.29
5200	1.11	60.39
5250	1.13	60.53
5300	2.18	61.52
5350	2.71	60.39
5400	3.06	56.75
5450	3.41	57.81
5500	3.69	56.36
5550	3.88	59.7
5600	4.08	60.39
5650	4	63.1
5700	4.23	64.12
5750	4.19	70.79
5800	4.43	72.11
5850	3.89	73.45
5900	4.44	76.03

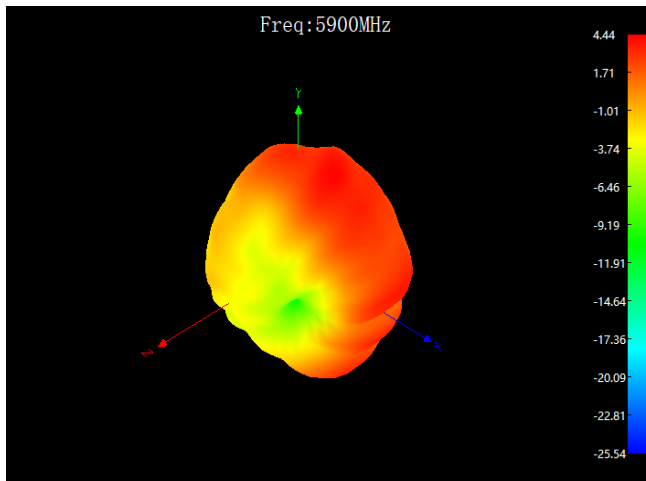
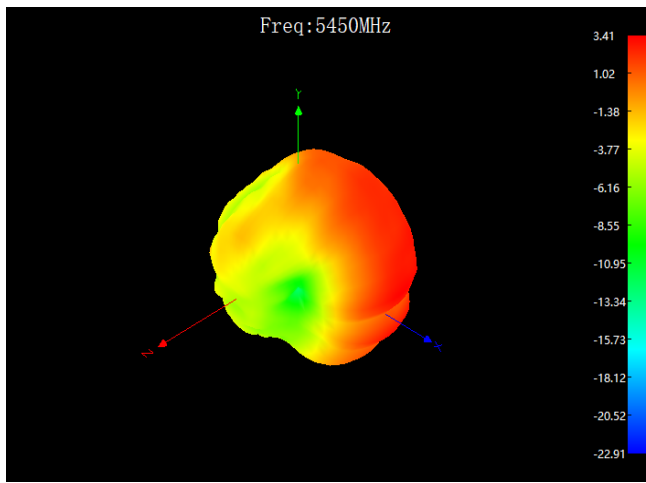
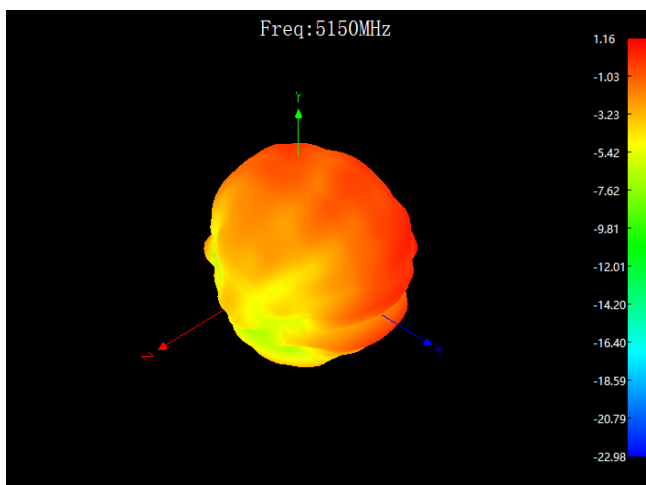
Antenna 2

Frequency/MHz	MaxGain/dBi	Efficiency / %
2400	1.57	76.74
2405	1.76	76.03
2410	1.46	75.51
2415	1.52	74.47
2420	1.51	73.96
2425	1.58	72.78
2430	1.61	72.28
2435	1.82	71.45
2440	1.8	70.96
2445	1.9	69.98
2450	2.02	69.82
2455	2.01	69.5
2460	1.87	69.18
2465	1.83	68.23
2470	1.87	68.71
2475	1.72	67.45
2480	1.9	67.61
2485	1.94	66.99
2490	1.83	66.83
2495	1.93	65.31
2500	2.11	66.07
5000	0.7	60.81
5050	0.61	60.39
5100	0.76	55.34
5150	0.2	50.82
5200	0.18	48.08
5250	0	46.13
5300	-0.16	44.16
5350	-0.21	44.57
5400	-0.38	44.36
5450	0.22	49.2
5500	0.27	49.89
5550	1.28	55.34
5600	2.11	59.29
5650	2.97	62.52
5700	3.53	65.77
5750	4.47	72.11
5800	4.8	75.16
5850	5.24	75.51
5900	5.46	78.89

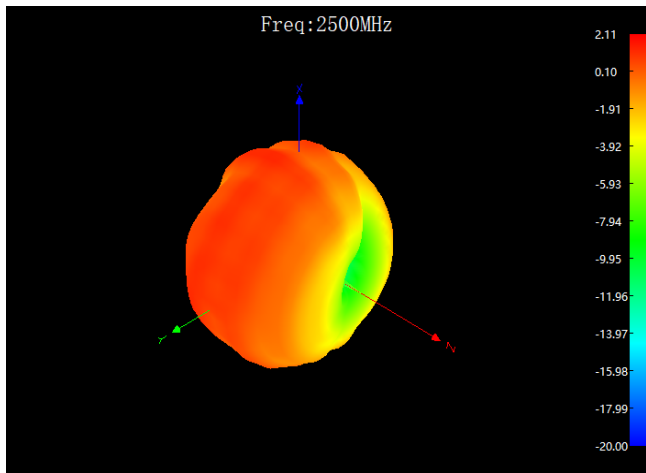
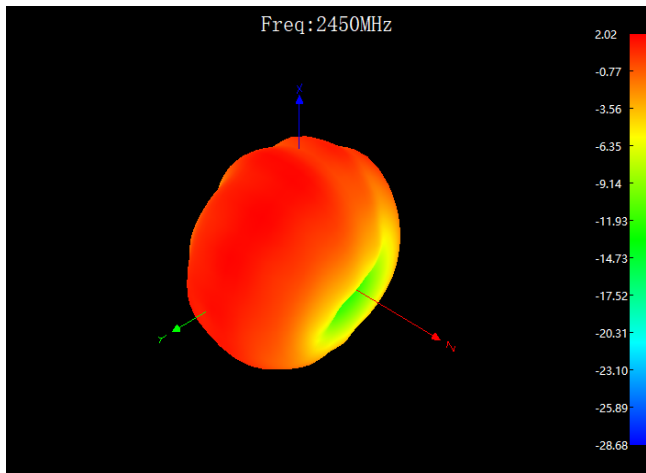
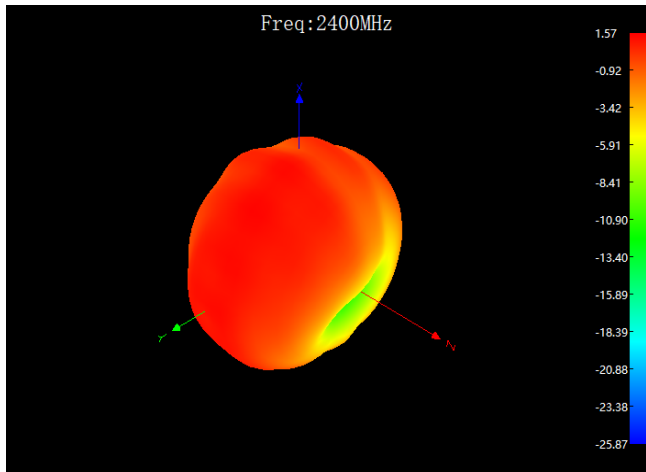
# Radiation Pattern

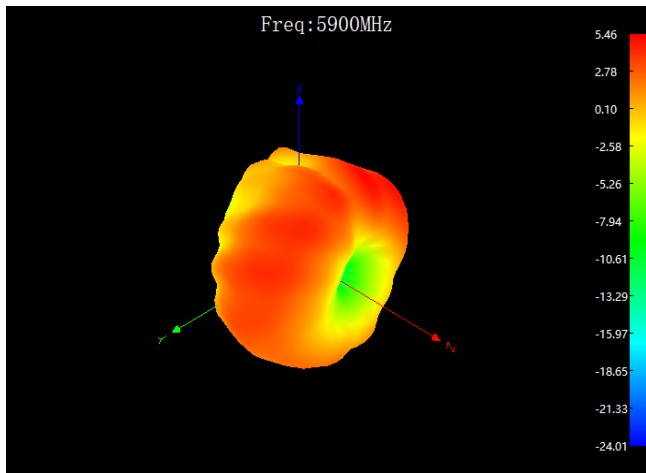
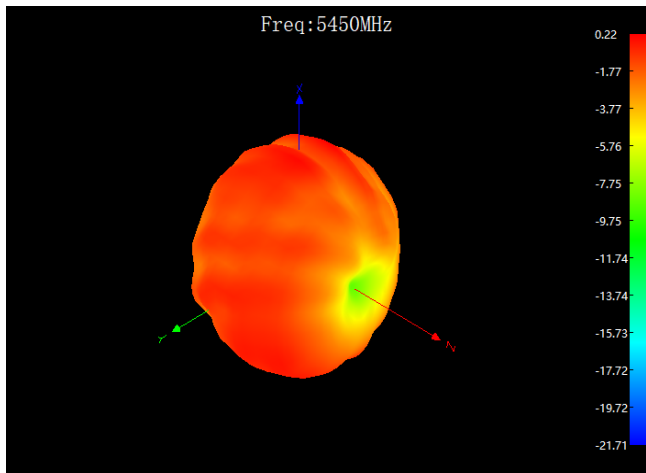
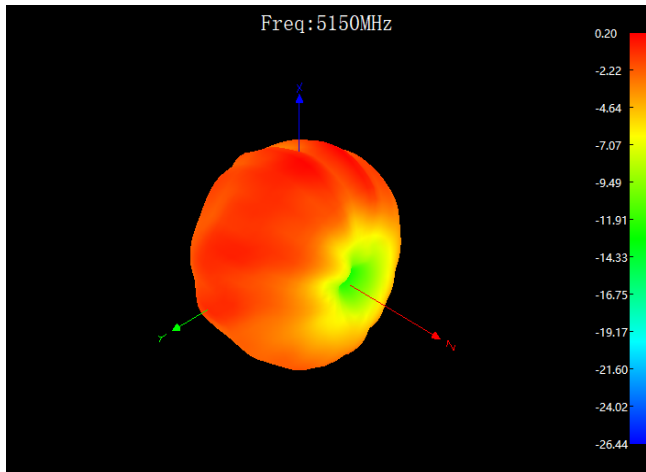
## Antenna 1



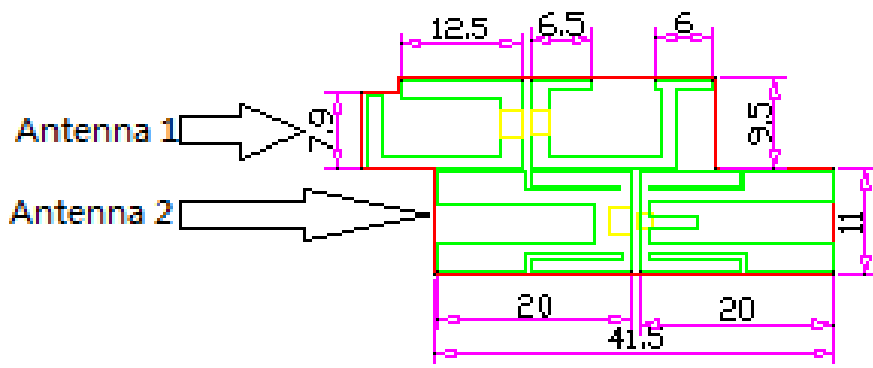


Antenna 2





Antenna:



Unit : mm