

Antenna Specification

Manufacturer	Shanghai Sunmi Technology Co.,Ltd.
Address	Room 505, No.388 Song Hu Road, Yang Pu District,Shanghai, China
Model	SP03
Product Name	BT&WIFI&GPS Antenna
Antenna Type	Internal Antenna

Antenna Photographs

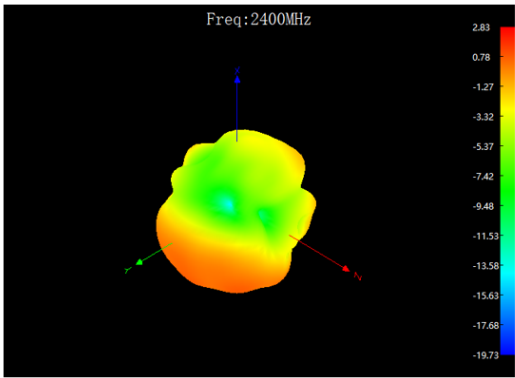


S Parameter
(Return Loss, Smith)

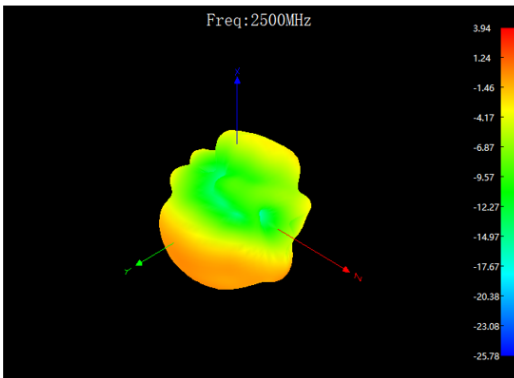


Antenna Gain&Efficiency	frequency (MHz)	Efficiency (dB)	Efficiency (%)	Gain (dBi)
	1550	-4.16	38.41	-0.21
	1555	-4.06	39.27	0.25
	1560	-4.04	39.45	0.57
	1565	-3.91	40.68	1.12
	1570	-3.73	42.36	1.79
	1575	-3.88	40.94	1.41
	1580	-4.25	37.60	1.05
	1585	-4.36	36.66	0.90
	1590	-4.79	33.20	0.45
	1595	-5.17	30.42	0.08
	1600	-5.62	27.43	-0.42
	frequency (MHz)	Efficiency (dB)	Efficiency (%)	Gain (dBi)
	2400	-3.66	43.05	1.83
	2410	-4.2	38.02	1.42
	2420	-3.85	41.21	1.89
	2430	-4.07	39.17	1.74
	2440	-3.53	44.36	1.81
	2450	-3.67	42.95	1.65
	2460	-3.51	44.57	1.92
	2470	-3.48	44.87	1.52
	2480	-3.27	47.10	1.93
	2490	-3.66	43.05	1.63
	2500	-3.51	44.57	1.94
	frequency (MHz)	Efficiency (dB)	Efficiency (%)	Gain (dBi)
	5150	-3.74	42.27	1.52
	5200	-3.66	43.04	1.18
	5250	-3.71	42.56	1.16
	5300	-3.54	44.24	1.25
	5350	-3.79	41.76	1.23
	5400	-3.61	43.53	1.22
	5450	-3.45	45.16	1.59
	5500	-3.87	41.00	1.27
	5550	-3.39	45.80	1.10
	5600	-3.59	43.74	1.18
	5650	-3.52	44.47	1.16
	5700	-3.6	43.67	1.76
	5750	-3.5	44.69	1.75
	5800	-3.37	46.06	1.80
	5850	-3.38	45.96	1.32

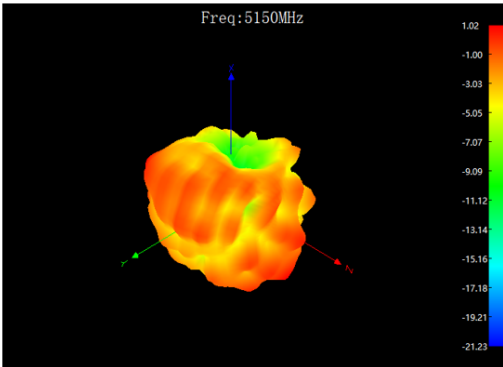
Radiation Pattern:



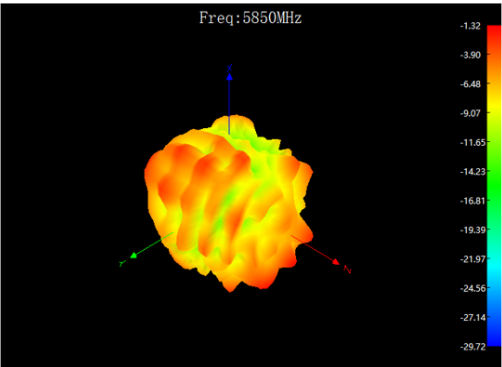
2400MHz



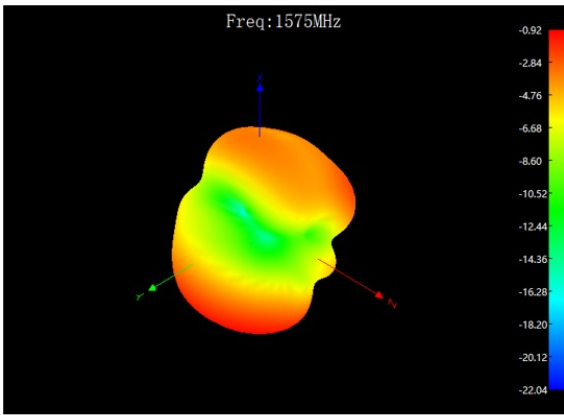
2500MHz



5150MHz



5850MHz



1575MHz