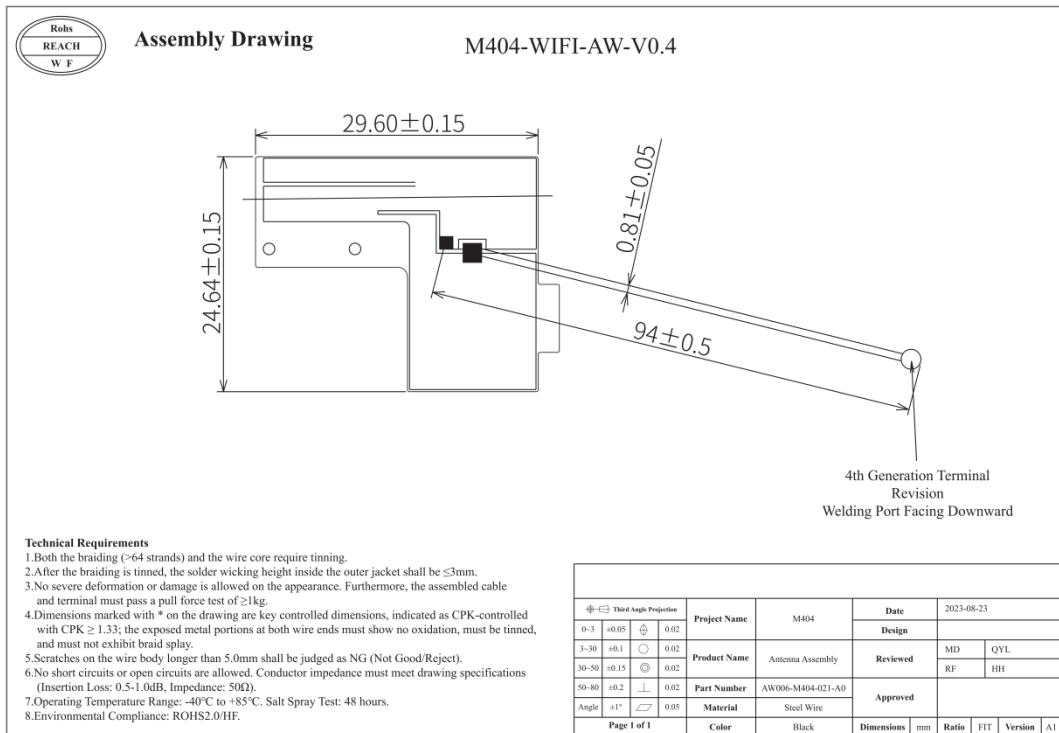




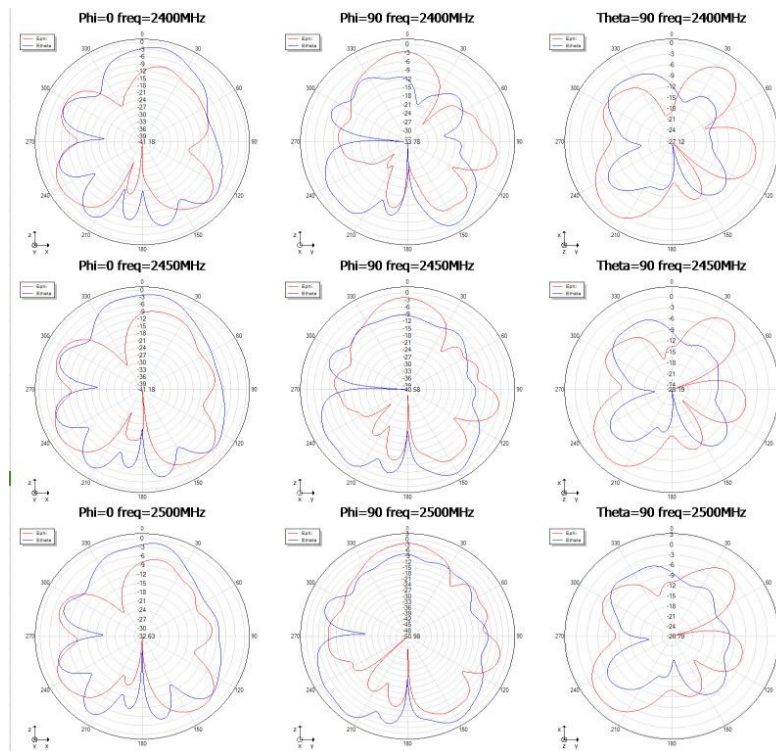
Antenna Manufacturer	Shenzhen Sunway Communication Co., Ltd
Address	No.1013 Xihuan Road, Shajing Street, Baoan District, Shenzhen, Guangdong, China
Tel.	+86-755-81773388

Frequency ID	1	2	3	4	5	6	7	8	9
Frequency(MHz)	2400	2410	2420	2430	2440	2450	2460	2470	2480
Gain(dBi)	1.44	1.14	0.8	1.35	1.30	1.61	1.68	1.75	1.81
Efficiency(dB)	-5.21	-5.12	-5.18	-4.63	-4.60	-4.26	-4.3	-4.07	-3.88
Efficiency(%)	30.16	30.78	30.32	34.41	34.69	37.46	37.19	39.14	40.89

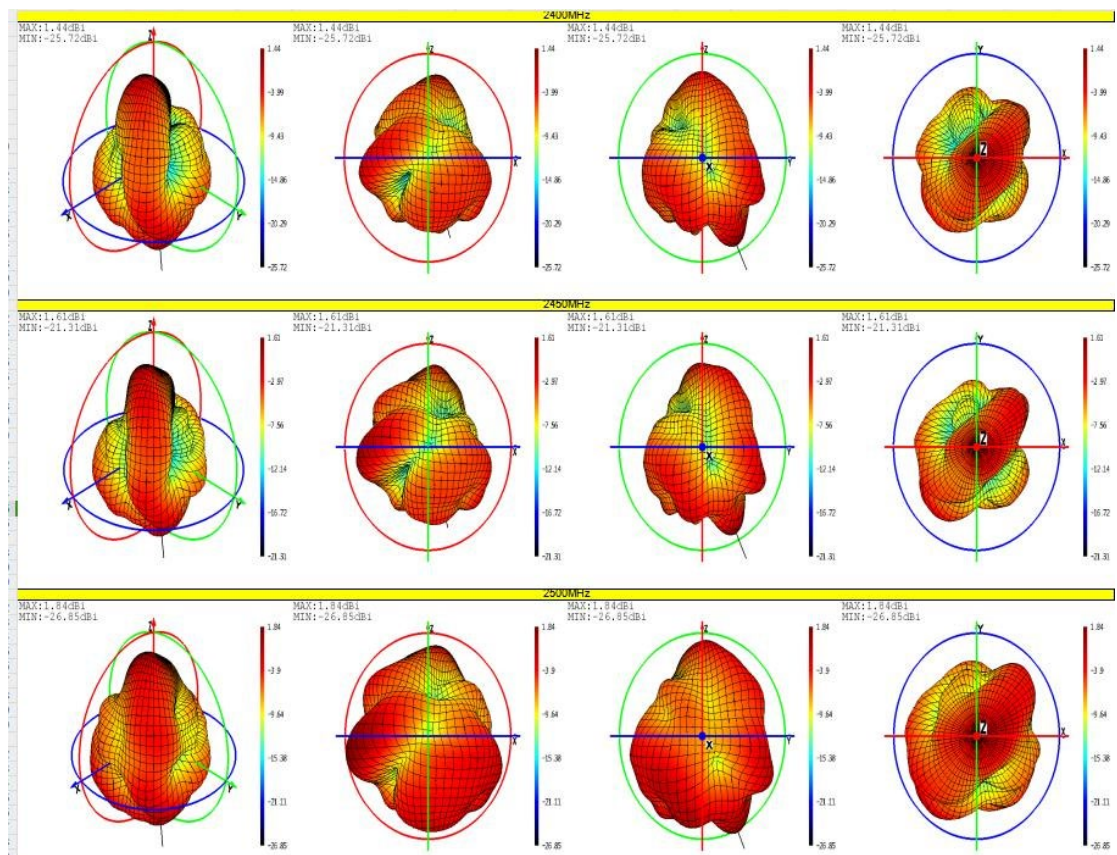
Frequency ID	10	11	12	13	14	15	16	17	18	19
Frequency(MHz)	2490	2500	5100	5200	5300	5400	5500	5600	5700	5800
Gain(dBi)	1.87	1.84	2.3	3.42	4.04	4.14	4.78	4.37	3.86	4.38
Efficiency(dB)	-3.75	-3.66	-4.77	-4.17	-3.83	-4.03	-4.04	-3.81	-3.77	-3.62
Efficiency(%)	42.18	43.03	33.36	38.25	41.37	39.53	39.45	41.57	41.96	43.48

Passive test data

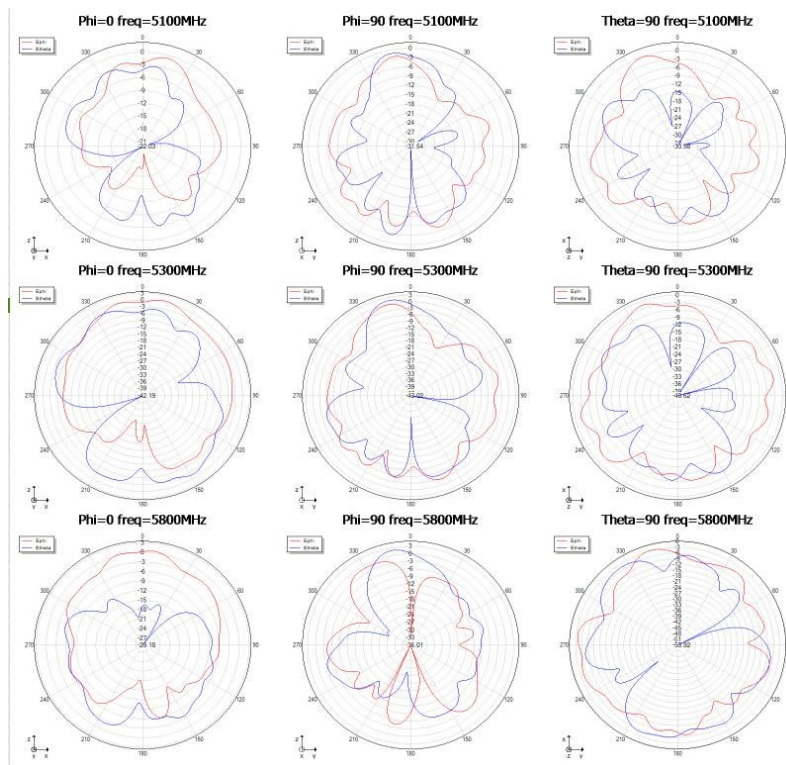
2.4G-2D diagram



2.4G - 3D diagram



5G - 2Ddiagram



5G - 3D diagram

