

Antenna specification

Manufacturer: Etheta Communication Technology (Shenzhen) CO.,Ltd

Address: Room611, No.508, Chuanhong Road, Chuansha New Town, Pudong

New Area, Shanghai, China

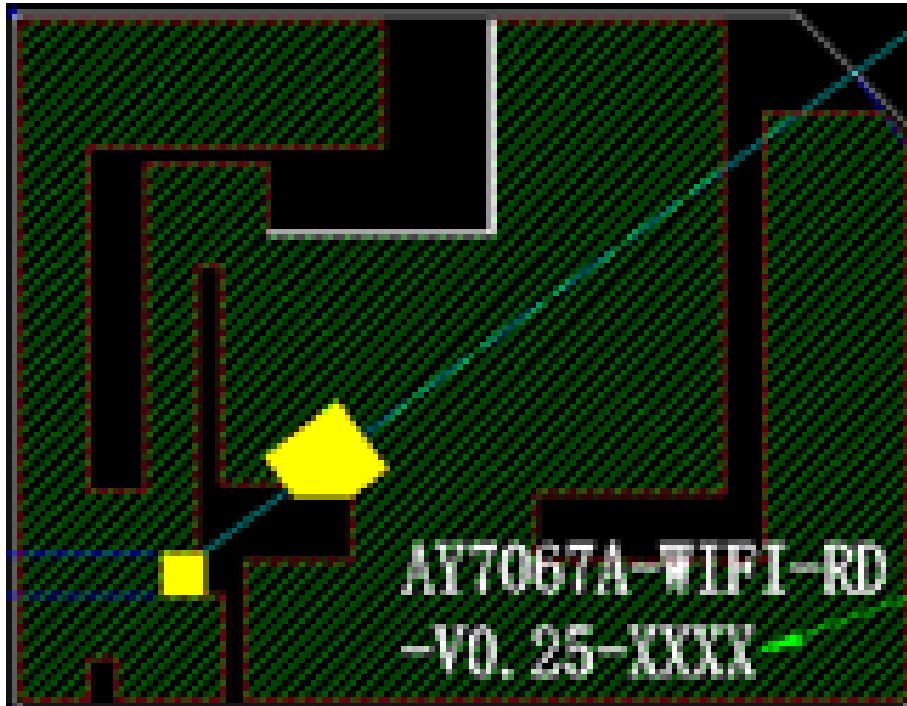
Model: AY7067A-WIFI-RD-V0.1-2525

Frequency Range of operation:

- Wi-Fi: 2.4 to 2.48 GHz and 5.15 to 5.85 GHz
- Bluetooth (2.4 GHz): 2.4 to 2.48 GHz

Antenna Types:

- FPC



(Sample schematic diagram, for reference only, subject to the final antenna)

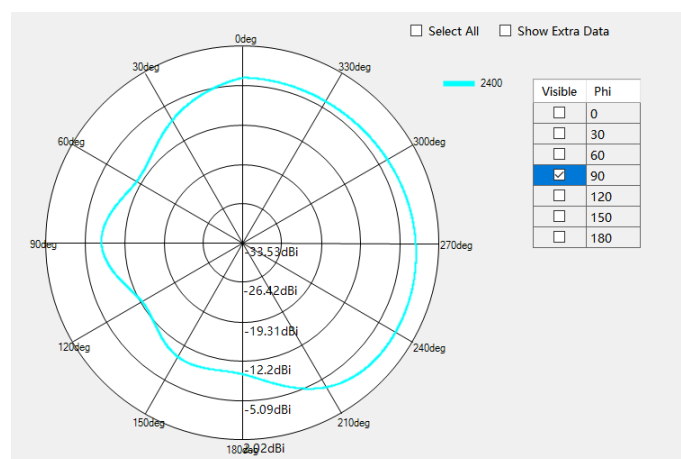
Antenna passive gain and efficiency:

Freq (MHz)	Efficiency_dB	Gain	Efficiency (%)
2400	-2.2	1.88	60.30%
2410	-2.08	2	61.91%
2420	-2.21	2.7	60.10%
2430	-2.09	1.89	61.87%
2440	-2.02	2.03	62.81%
2450	-1.96	2.52	63.68%
2460	-2.04	3.26	62.47%
2470	-2.12	2.32	61.44%
2480	-2.07	2.44	62.08%
2490	-2.18	3.11	60.52%
2500	-2.47	2.86	56.61%
5150	-2.83	2.4	52.16%
5200	-2.51	2.56	56.08%
5250	-2.76	2.63	52.94%

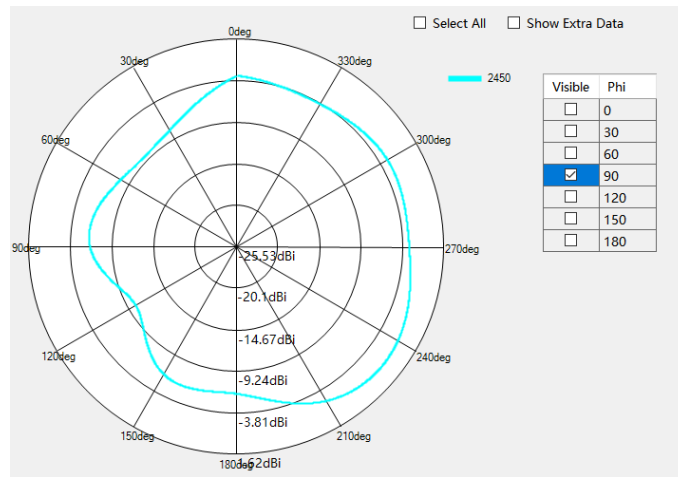
5300	-2.67	2.39	54.09%
5350	-2.64	2.63	54.40%
5400	-2.73	2.71	53.27%
5450	-2.51	3.28	56.13%
5500	-2.77	3.35	52.90%
5550	-2.65	3.4	54.37%
5600	-2.7	3.74	53.74%
5650	-2.5	3.82	56.28%
5700	-2.6	3.86	54.97%
5750	-2.6	3.93	55.01%
5800	-2.75	3.71	53.03%
5850	-2.76	3.86	52.98%

2D diagram of antenna radiation——2.4G

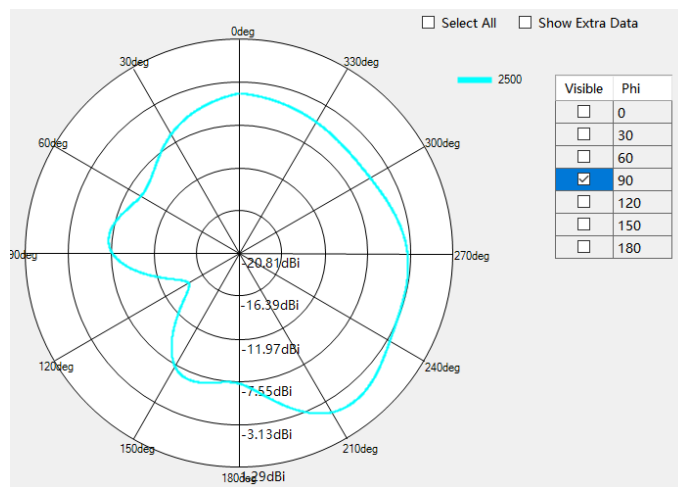
2.4GHz:



2.45GHz:

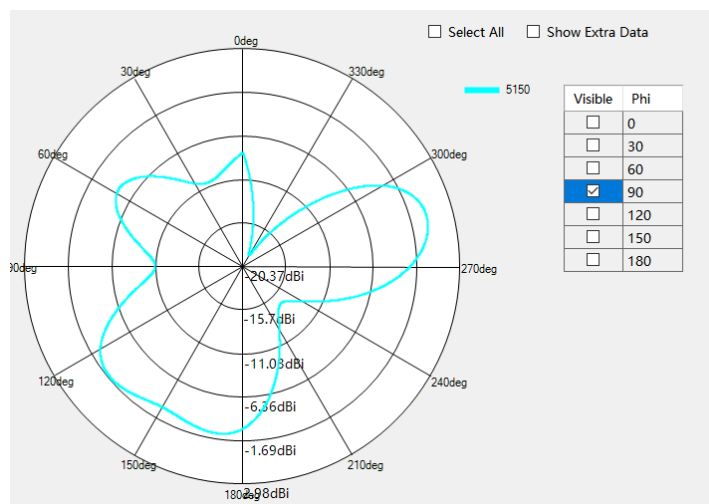


2.5GHz:

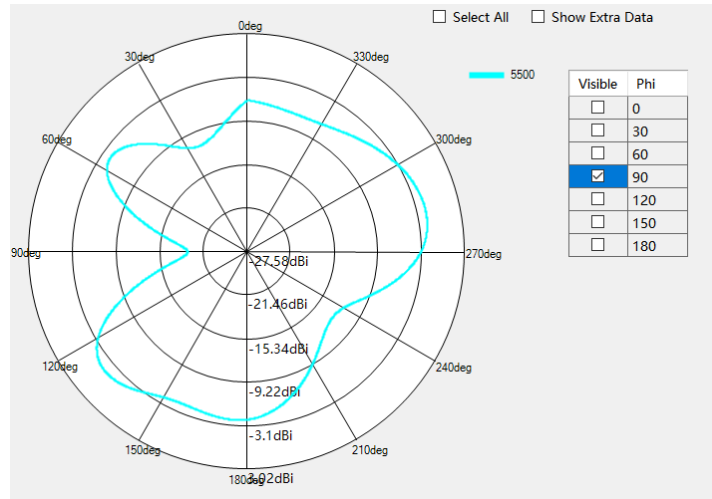


2D diagram of antenna radiation——5G

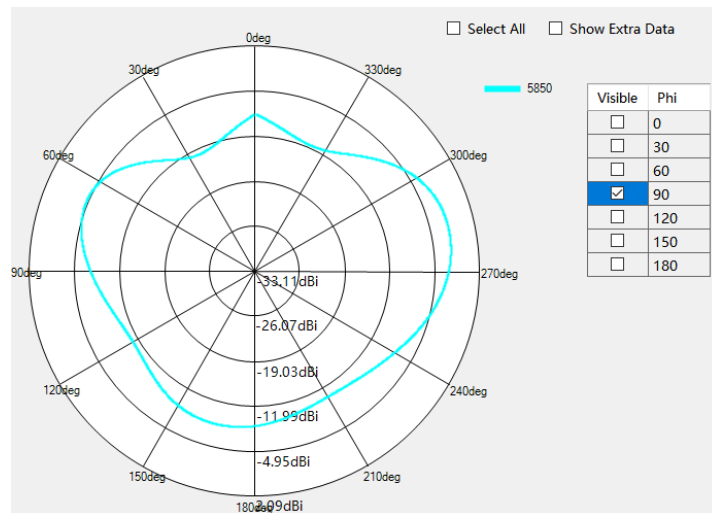
5.15GHz:



5.55GHz:

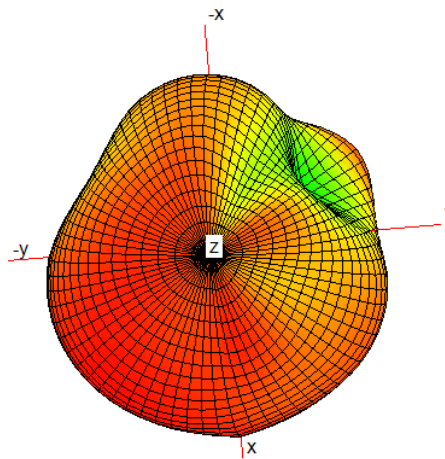


5.85GHz:

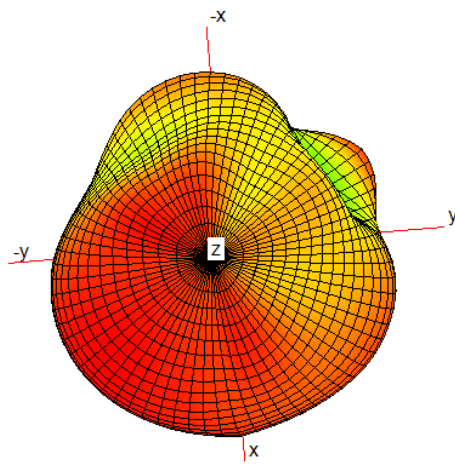


3D diagram of antenna radiation:

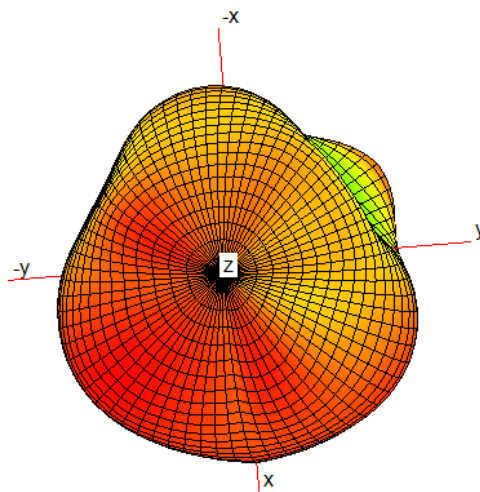
2.4GHz:



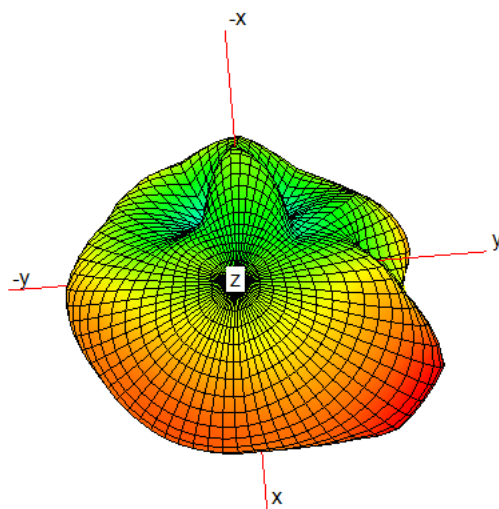
2.45GHz:



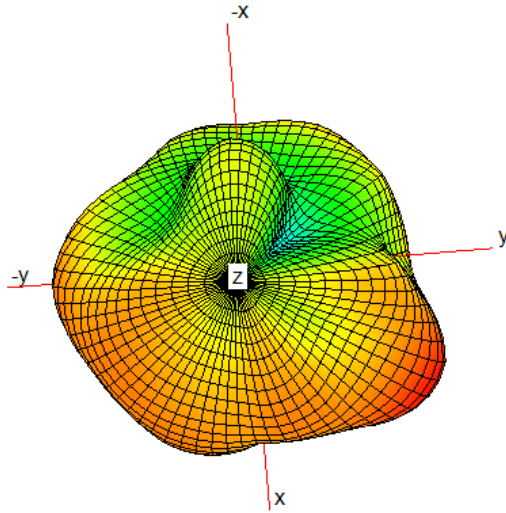
2.5GHz:



5.15GHz:



5.55GHz:



5.85GHz:

