

Antenna Report

Manufacturer: Kunshan Innowave Communication Technology Co., Ltd.

Address: Building H, No. 55, Shengchuang Road, Yushan Town, Kunshan City,

Jiangsu Province, China

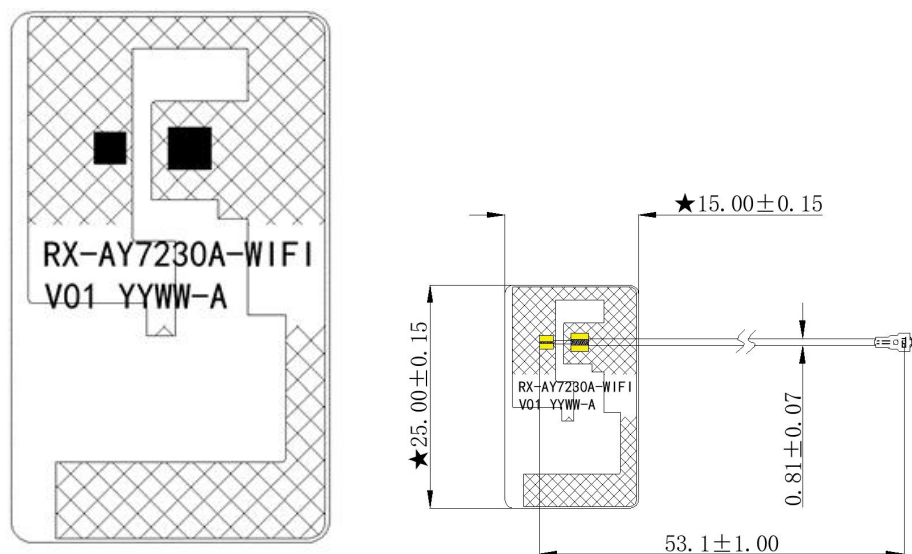
Model: RX-AY7230A-WIFI T18 YYWW-A

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



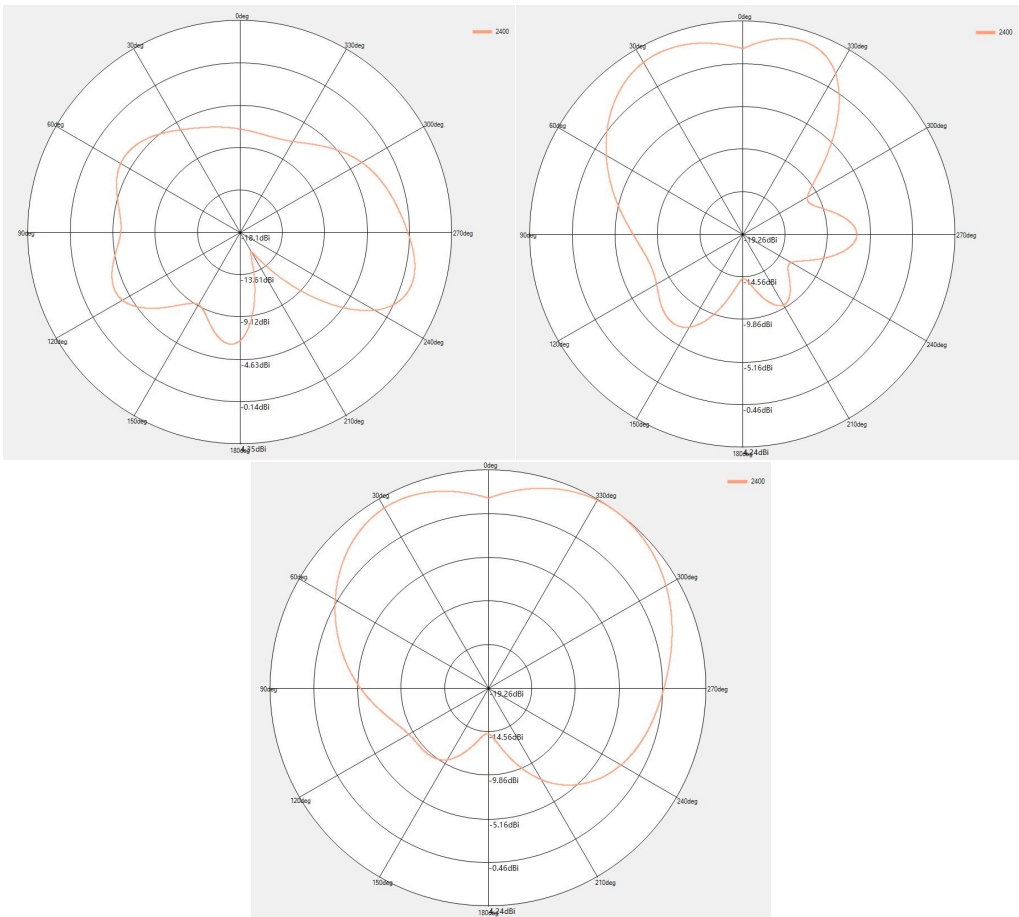
(Sample schematic diagram, for reference only, subject to the final antenna)

Antenna passive gain and efficiency:

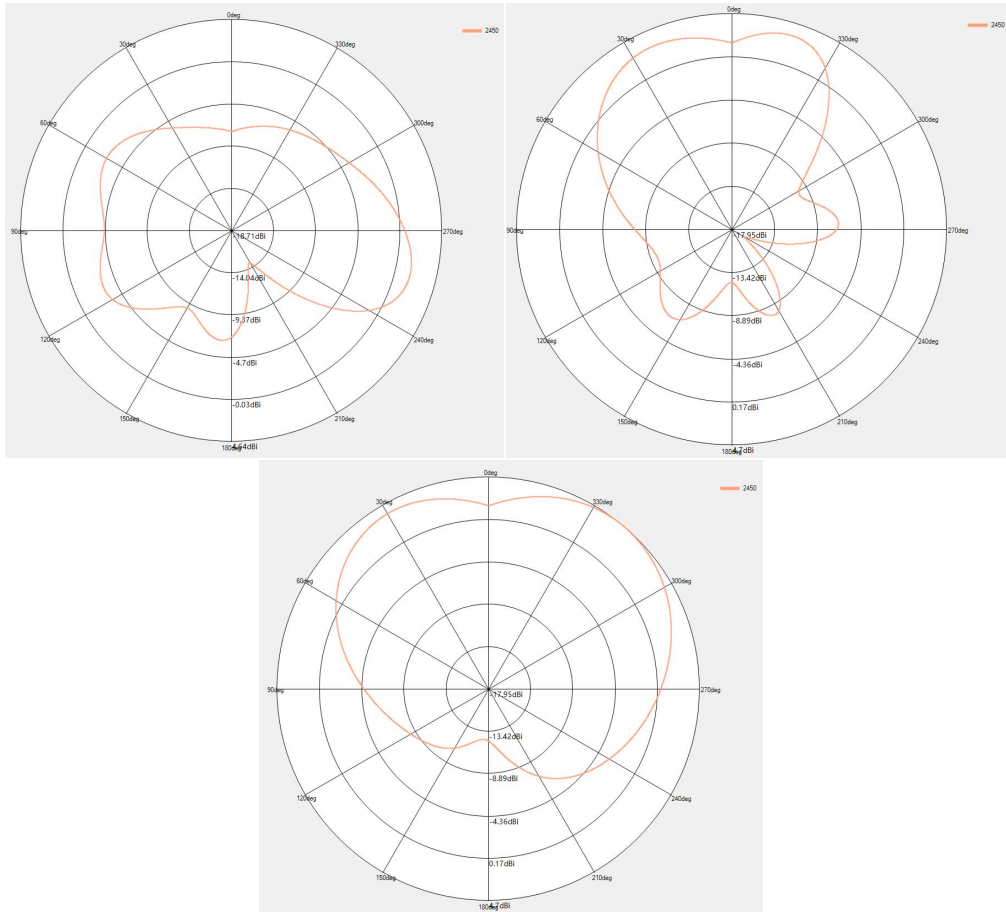
Freq(MHz)	Efficiency_dB	Gain	Efficiency(%)
2400	-2.5	3.7	55.8%
2410	-2.4	3.8	57.4%
2420	-2.2	4.0	59.6%
2430	-1.9	4.4	64.5%
2440	-1.9	4.2	64.4%
2450	-2.1	4.0	61.0%
2460	-2.2	4.1	59.8%
2470	-2.4	4.0	57.0%
2480	-2.5	3.8	56.2%
2490	-2.9	3.3	51.8%
2500	-2.9	3.4	51.5%
5150	-2.6	3.2	55.2%
5200	-2.8	3.4	52.5%
5250	-2.5	3.5	56.2%
5300	-3.3	2.7	46.3%
5350	-3.4	2.3	45.3%
5400	-3.0	2.5	50.4%
5450	-3.5	1.5	44.4%
5500	-3.2	2.4	47.7%
5550	-3.5	1.9	44.5%
5600	-3.3	2.3	46.9%
5650	-3.1	2.1	48.7%
5700	-3.1	1.9	48.7%
5750	-2.8	2.1	52.2%
5800	-3.4	1.9	46.2%
5850	-3.1	2.1	49.5%

2D diagram of antenna radiation——2.4G

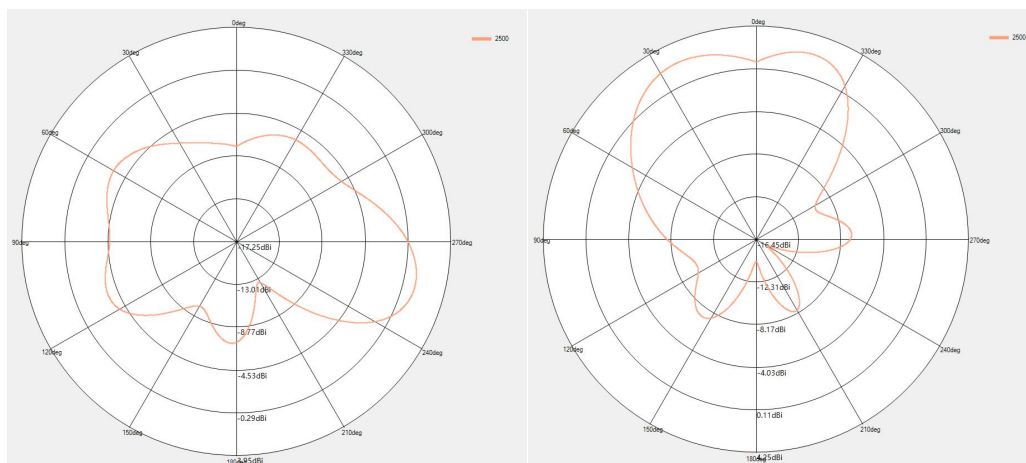
2.4GHz:

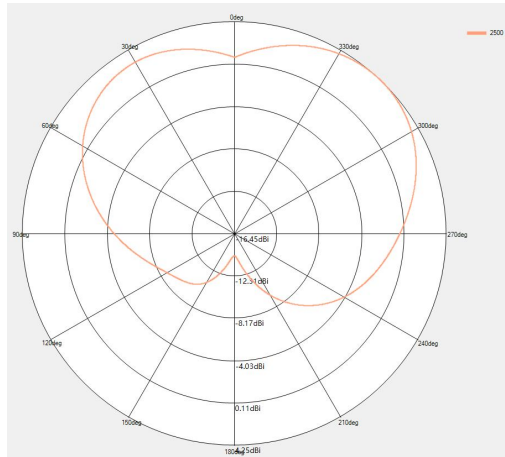


2.45GHz:



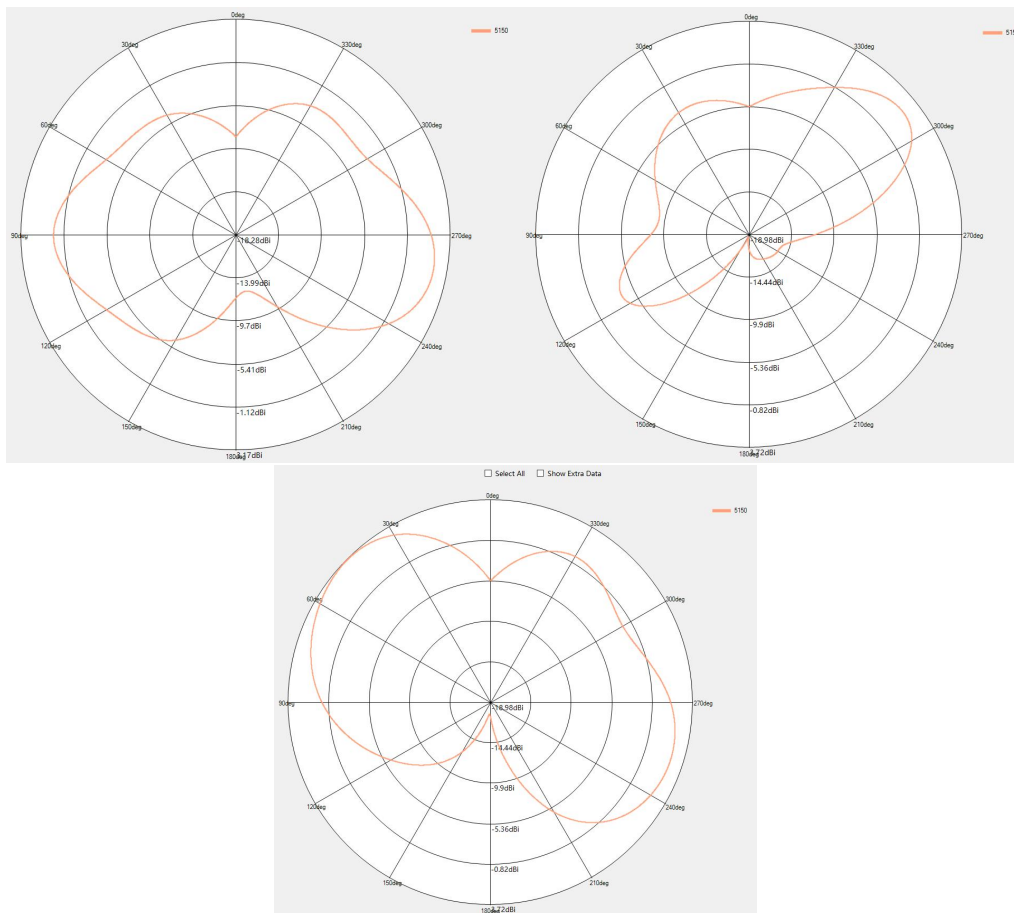
2.5GHz:



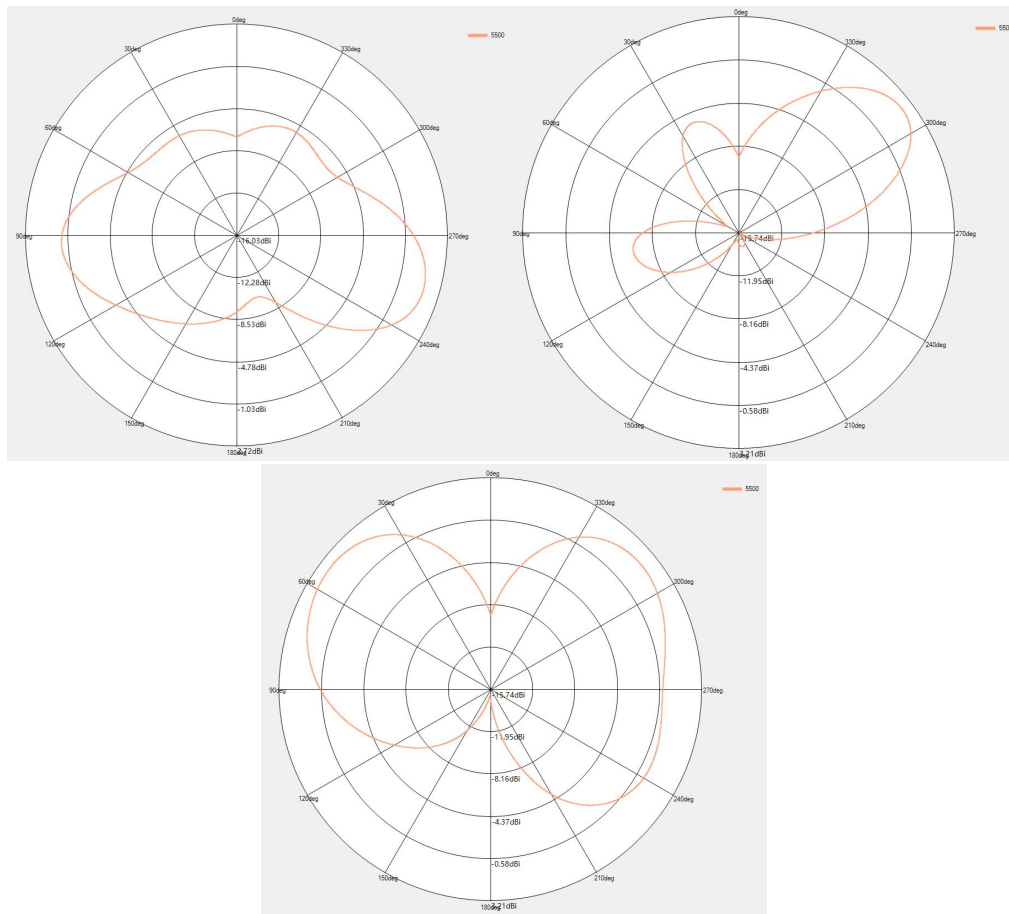


2D diagram of antenna radiation——5G

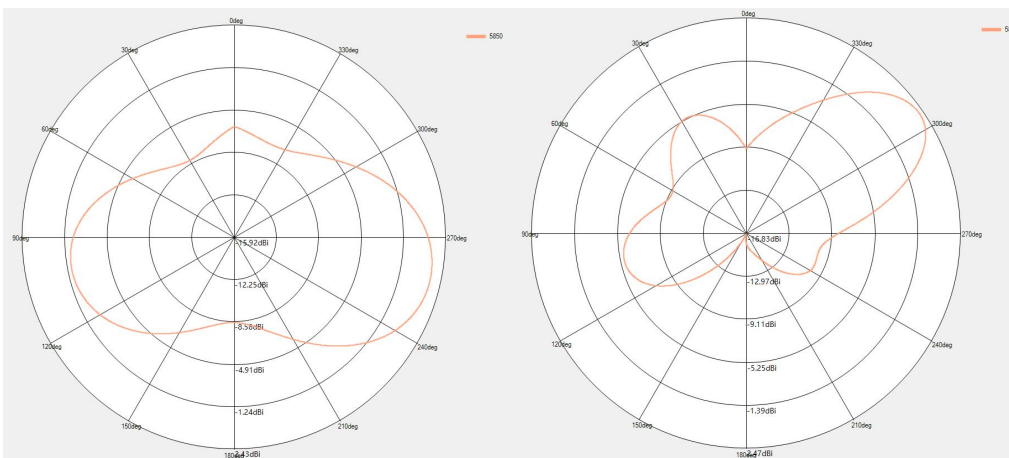
5.15GHz:

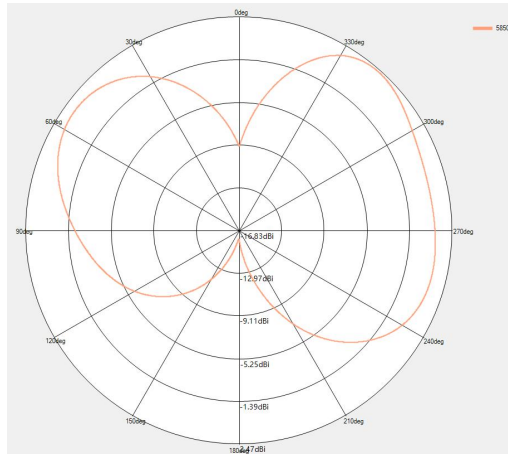


5.55GHz:



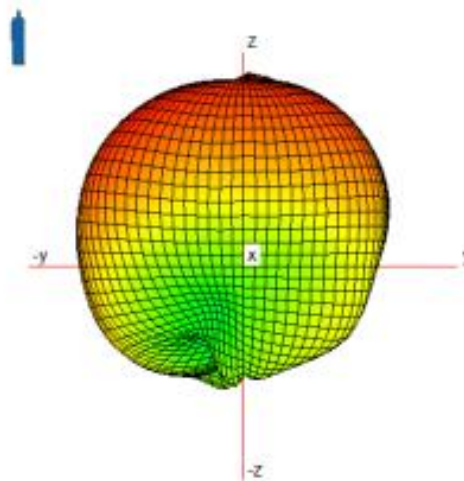
5.85GHz:



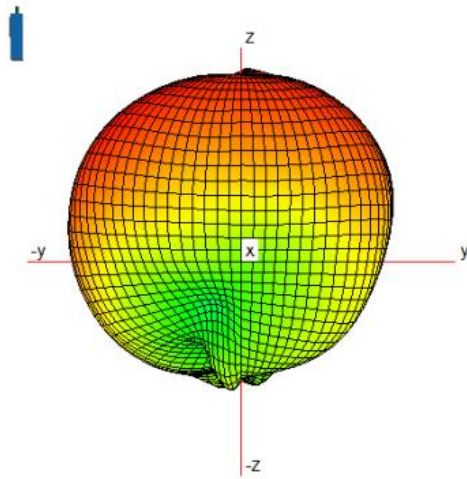


3D diagram of antenna radiation:

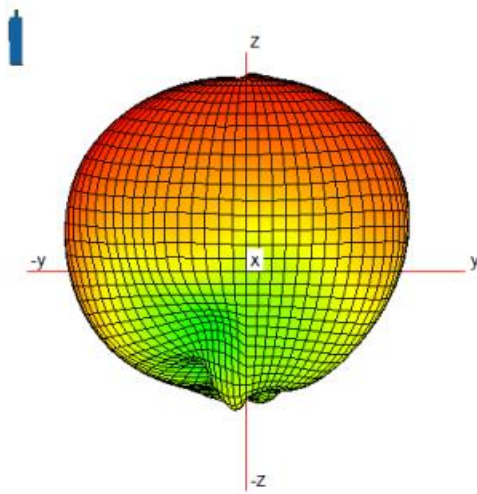
2.4GHz:



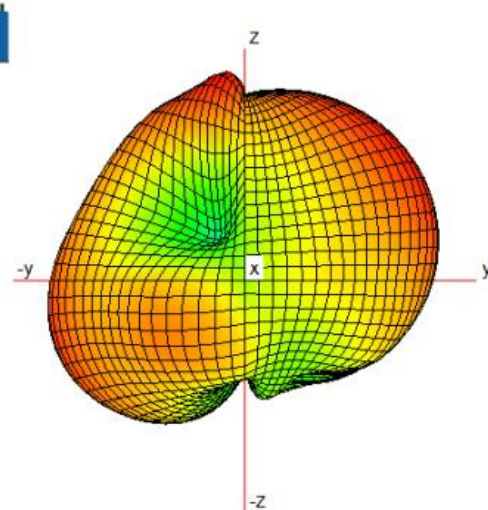
2.45GHz:



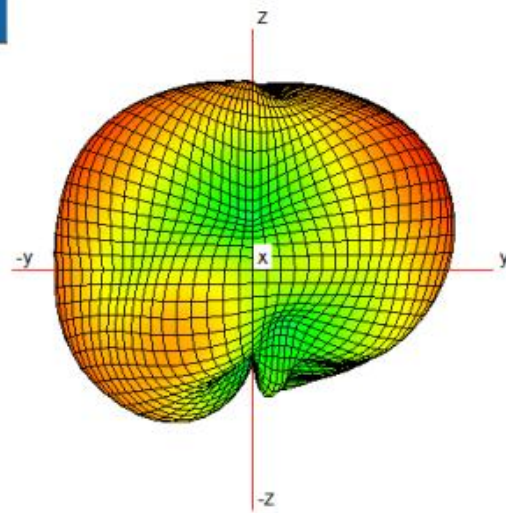
2.5GHz:



5.15GHz:



5.55GHz:



5.85GHz:

