

## Antenna specifications

### Electrical Characteristics Description

<b>Model:</b>	Galaxy_2404-12		
<b>Transmitter Frequency:</b>	2400MHz-2483.5MHz		
<b>Receiver Frequency:</b>	2400MHz-2483.5MHz		
<b>Antenna information:</b>	<b>Antenna Name</b>	<b>Model(s)/Type(s)</b>	
	RF Antenna Assembly	Model/Part Number:	Galaxy_2404-12
		Manufacturer:	Anhui Huami Information Technology Co., Ltd.
		Address:	7/F, Building B2, Huami Global Innovation Center, No. 900, Wangjiang West Road, High-tech Zone, Hefei City, China (Anhui) Pilot Free Trade Zone (230088)
		Frequency Range:	2400MHz-2483.5MHz
		Connector Type/ Maximum Gain	-14.98dBi
		Antenna Type/ Pattern:	PCB Antenna
		Antenna Size:	16.7*0.5 (mm)
		Antenna Photo:	Refer to Internal Photos for KSCR2306001101AT

## Electrical Performance

S11 parameter-GPS L1 test result as Fig.1.

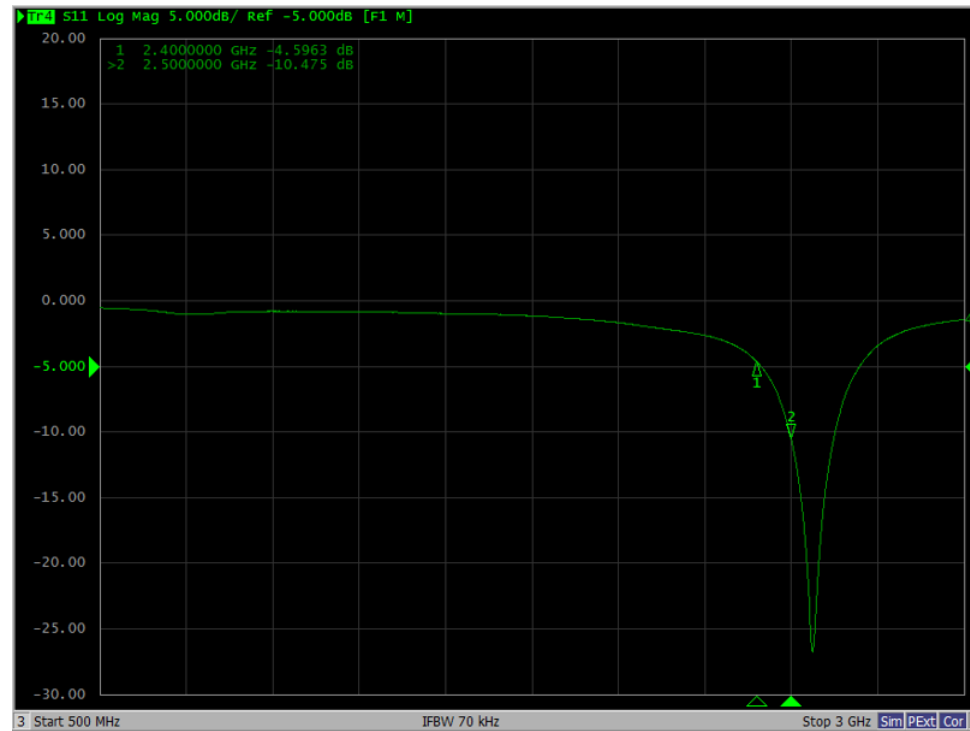


Fig. 1 S11 Parameter- BT test result

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Table 1 shows the emission efficiency and the maximum gain of the antenna at different frequencies changes. The antenna radiation pattern diagram show in Fig.2.

BT			
频率\MHz	效率\dB	增益\dBi	效率\%
2400	-21.16	-16.05	0.77
2410	-21.07	-15.95	0.78
2420	-20.93	-15.8	0.81
2430	-20.82	-15.75	0.83
2440	-20.66	-15.59	0.86
2450	-20.52	-15.5	0.89
2460	-20.41	-15.38	0.91
2470	-20.27	-15.27	0.94
2480	-20.12	-15.17	0.97
2490	-20	-15.07	1
2500	-19.85	-14.98	1.03

Table 1Max. Gain and Efficiency Vs. Frequency

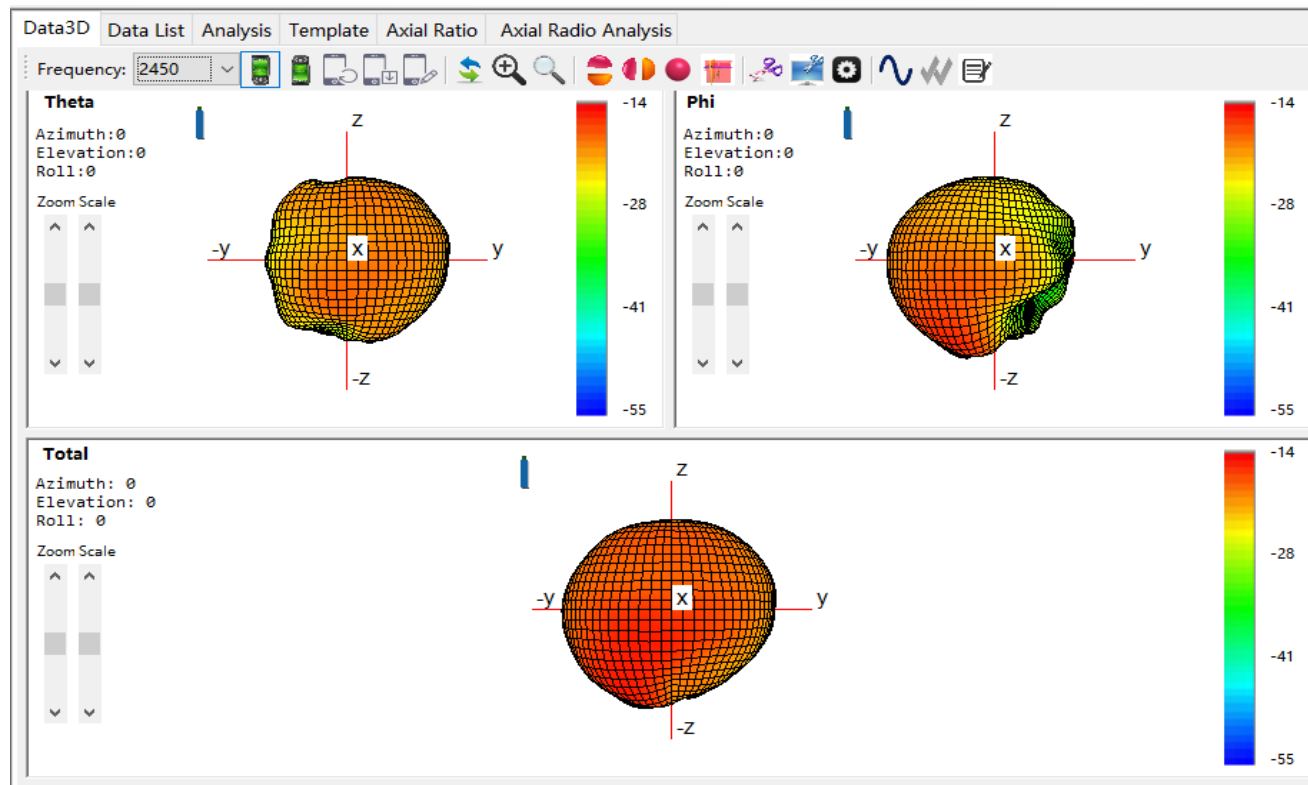


Fig. 2 antenna radiation pattern diagram