

Antenna specifications

Electrical Characteristics Description

Model:	Galaxy_2404-10		
Transmitter Frequency:	2400MHz-2483.5MHz		
Receiver Frequency:	2400MHz-2483.5MHz		
Antenna information:	Antenna Name	Model(s)/Type(s)	
	RF Antenna Assembly	Model/Part Number:	Galaxy_2404-10
		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:	-18.11dBi
		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.

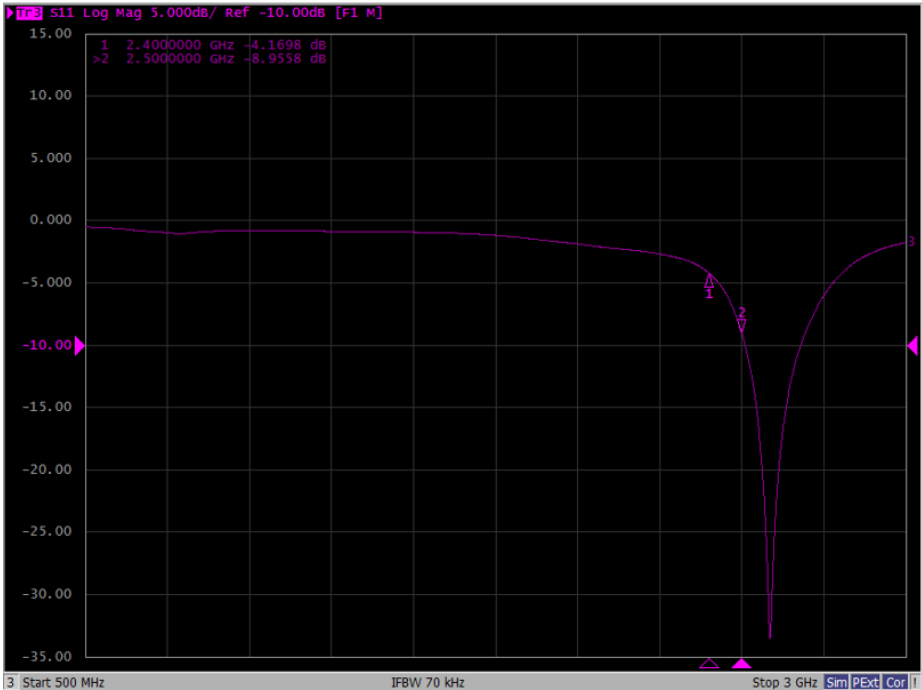


Fig. 1 S11 Parameter- BT test result

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	-23.87	-18.11	0.41
2410	-23.95	-18.13	0.4
2420	-23.99	-18.14	0.4
2430	-24.07	-18.25	0.39
2440	-24.09	-18.28	0.39
2450	-24.16	-18.4	0.38
2460	-24.25	-18.45	0.38
2470	-24.3	-18.5	0.37
2480	-24.34	-18.59	0.37
2490	-24.41	-18.68	0.36
2500	-24.46	-18.75	0.36

Table 1Max. Gain and Efficiency Vs. Frequency

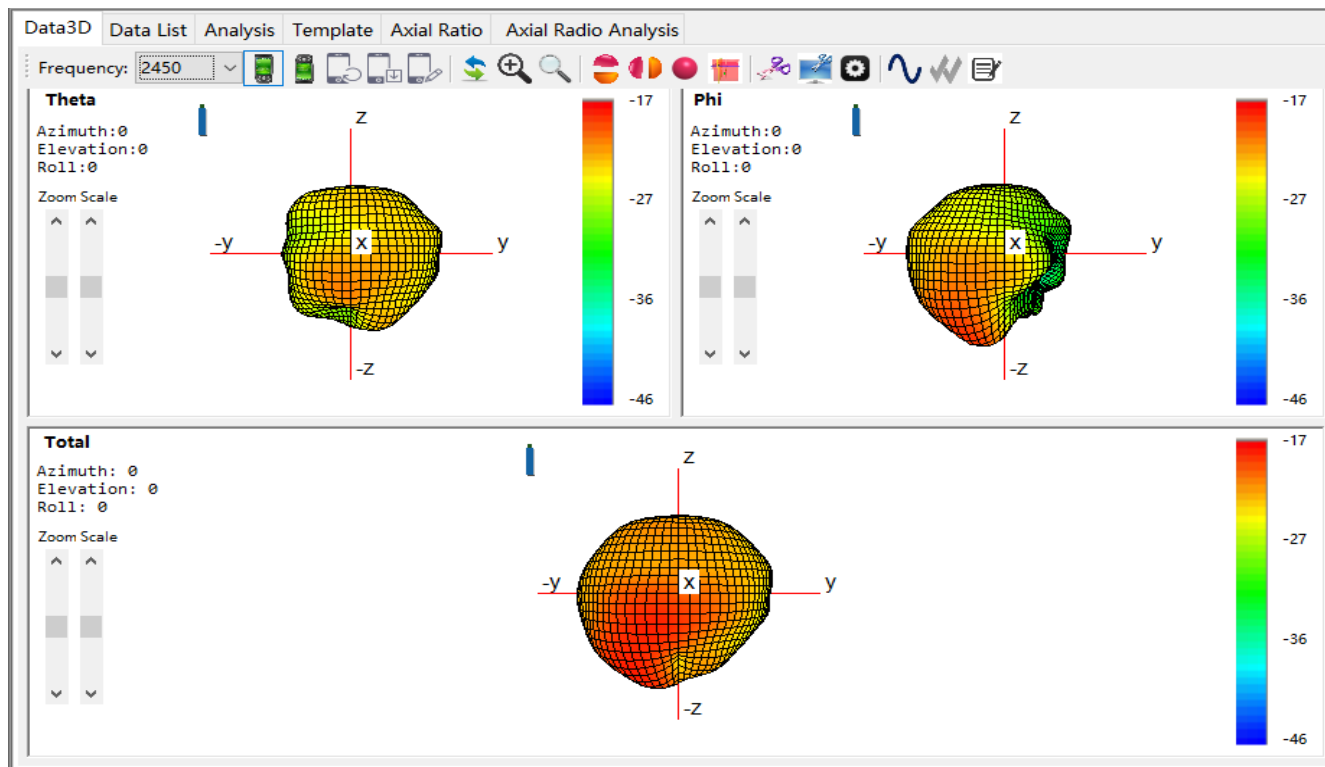


Fig. 2 antenna radiation pattern diagram