

Antenna specifications

Electrical Characteristics Description

Model:	Rimo antenna		
Transmitter Frequency:	2400 MHz-2483.5 MHz		
Receiver Frequency:	2400 MHz-2483.5 MHz		
Antenna information:	Antenna Name	Model(s)/Type(s)	
	RF Antenna Assembly	Model/Part Number:	Rimo antenna
		Manufacturer:	Anhui Huami Information Technology Co., Ltd.
		Frequency Range:	2400 MHz-2483.5 MHz
		Connector Type/Maximum Gain	-1.02dBi
		Antenna Type/Pattern:	metal antenna
		Antenna Size	表圈：C=138.78mm
		Measurement:	See below

Dimensions

Dimensions See Fig.1.

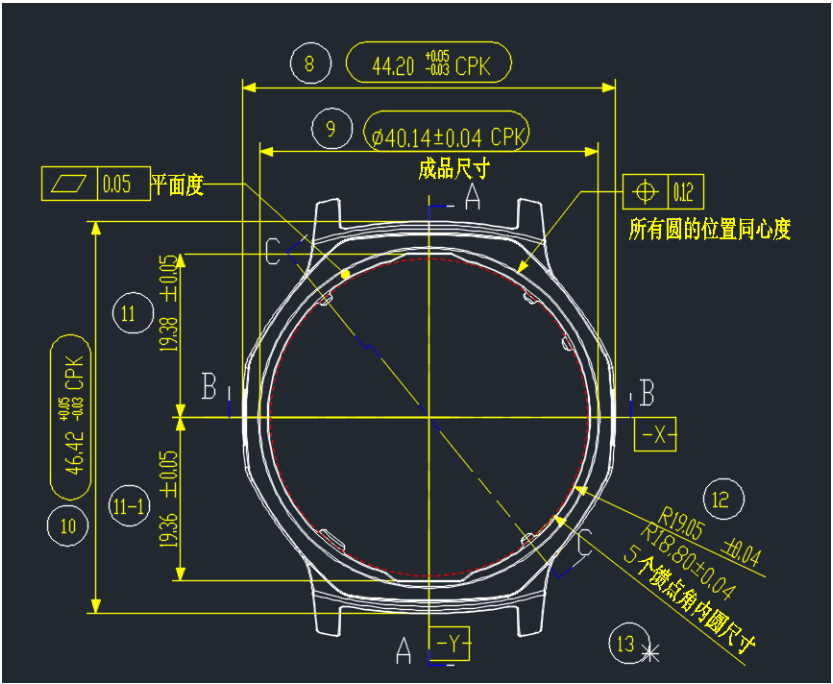
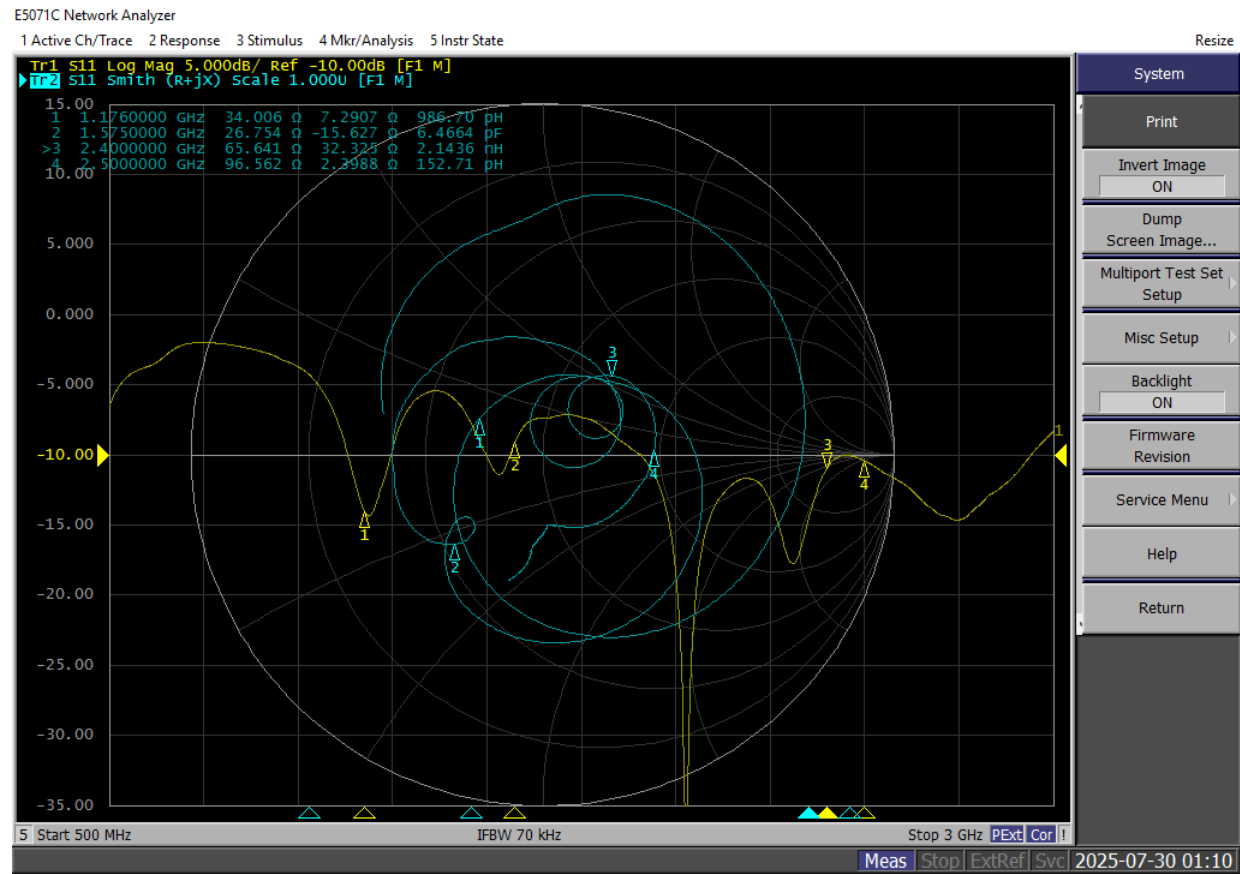


Fig. 1 Antenna Dimensions (示例)

Electrical Performance



S11 parameter test result as Fig.2.

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.3.

频率/MHz	效率/dB	增益/dBi	效率/%
2400	-6.19	-2.43	24.05
2410	-6.06	-2.51	24.75
2420	-5.96	-2.04	25.38
2430	-5.86	-1.68	25.93
2440	-5.74	-1.41	26.69
2450	-5.61	-1.17	27.45
2460	-5.57	-1.12	27.73
2470	-5.53	-1.1	27.98
2480	-5.44	-1.02	28.61
2490	-5.36	-1.02	29.13
2500	-5.33	-1.05	29.31

Table 1Max. Gain and Efficiency Vs. Frequency(Free space)

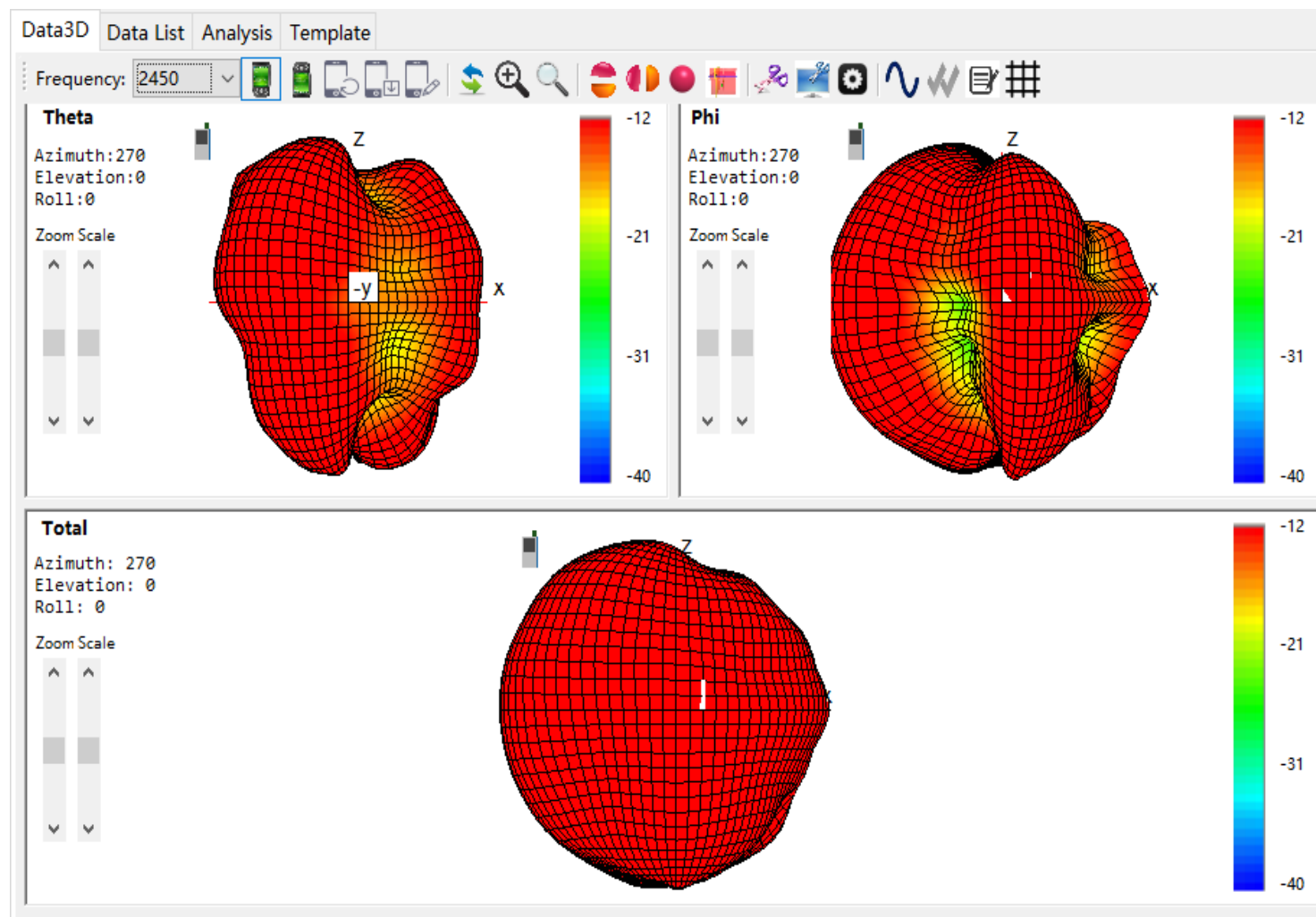


Fig. 4 antenna radiation pattern diagram