
Antenna specifications

Electrical Characteristics Description

Model:	Milan BLE antenna		
Transmitter Frequency:	2400MHz-2483.5MHz		
Receiver Frequency:	2400MHz-2483.5MHz		
Antenna information:	Antenna Name	Model(s)/Type(s)	
	RF Antenna Assembly	Model/Part Number:	Milan BLE
		Manufacturer:	Anhui Huami Information Technology Co., Ltd.
		Frequency Range:	2400MHz-2483.5MHz
		Connector Type/ Maximum Gain	-5.8dBi
		Antenna Type/ Pattern:	metal antenna
		Antenna Size	circle: C=276mm
		Measurement:	See below

Dimensions

Dimensions See Fig.1 .

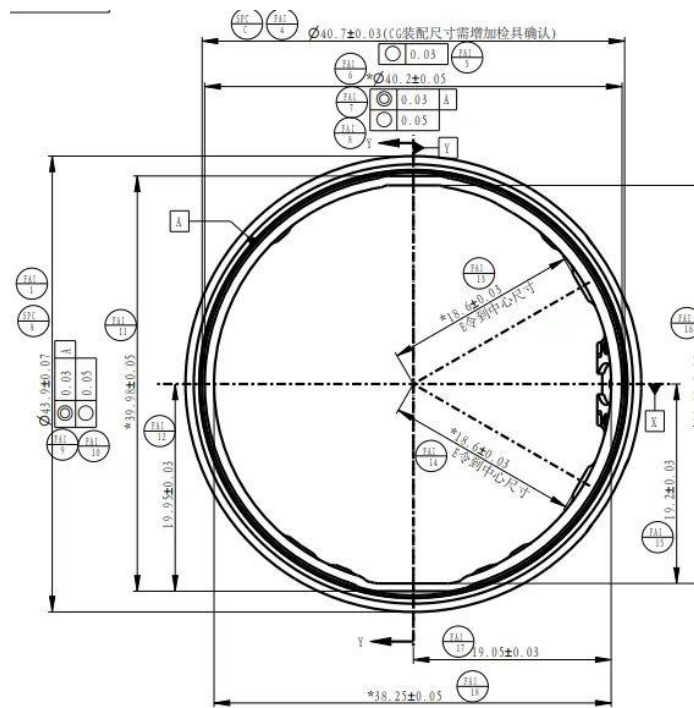
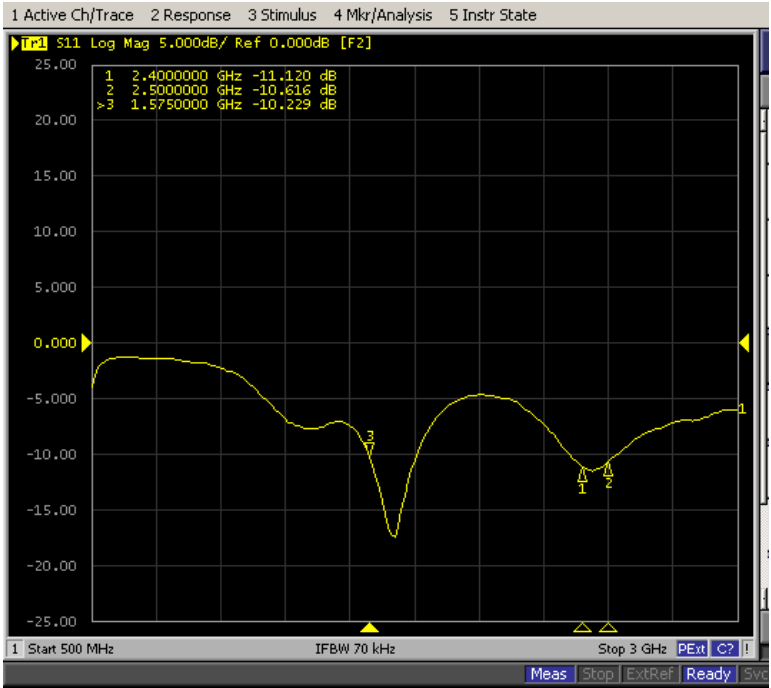


Fig. 1 Antenna Dimensions (示例)

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	效率/dBi	效率/%
2400	-8.6	-6.06	13.79
2410	-8.66	-6	13.6
2420	-8.7	-5.92	13.49
2430	-8.74	-5.88	13.36
2440	-8.76	-5.85	13.32
2450	-8.75	-5.8	13.33
2460	-8.82	-5.91	13.13
2470	-8.86	-6.01	13
2480	-8.85	-6.07	13.02
2490	-8.89	-6.13	12.91
2500	-8.92	-6.28	12.81

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

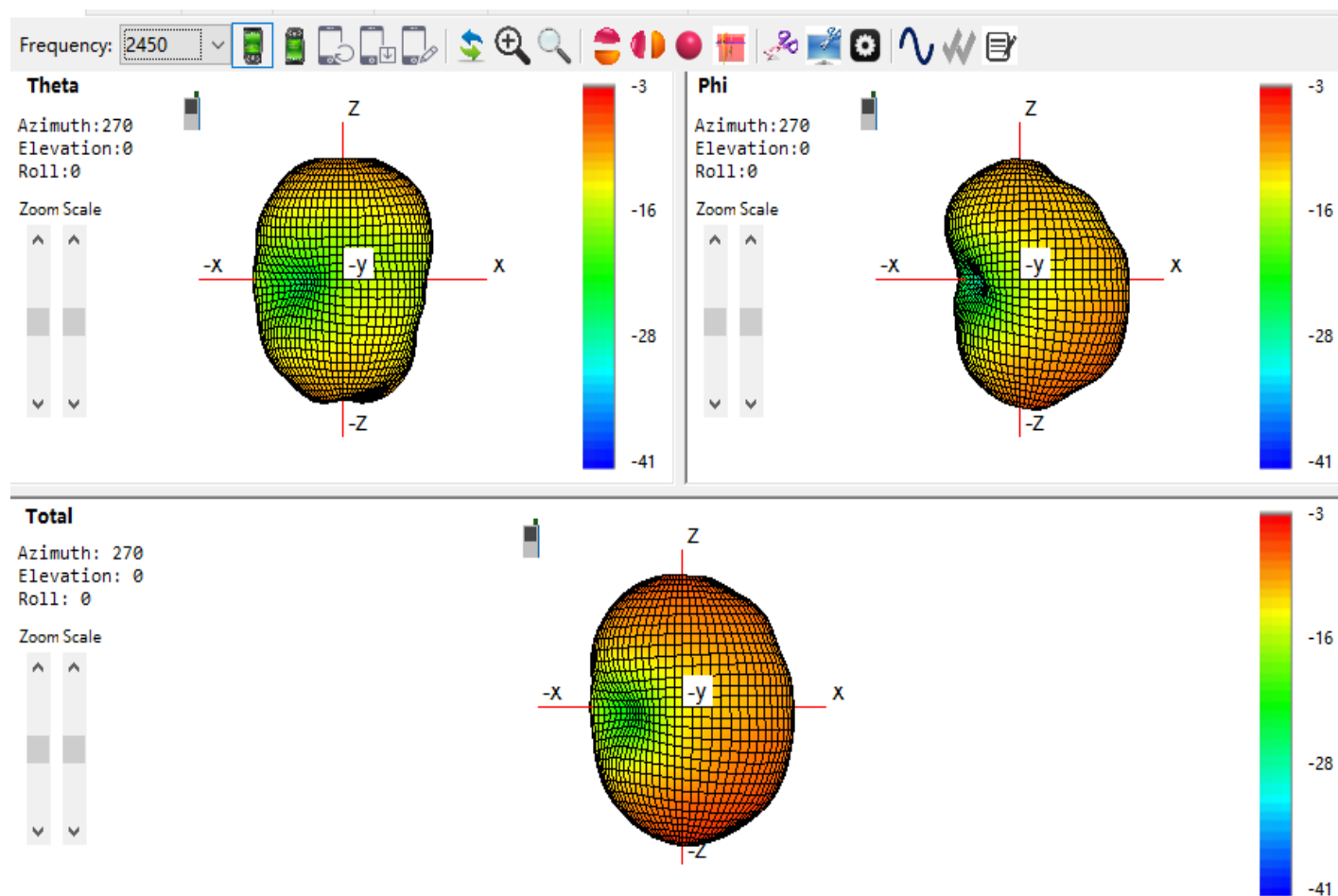


Fig. 4 antenna radiation pattern diagram