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## Antenna specifications

### Electrical Characteristics Description

<b>Model:</b>	Milan BLE antenna		
<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:	Stuttgart BLE
		Manufacturer:	Anhui Huami Information Technology Co., Ltd.
		Frequency Range:	2400MHz-2483.5MHz
		Connector Type/ Maximum Gain	-3.47dBi
		Antenna Type/ Pattern:	FPC antenna
		Antenna Size	21.0*4.30mm
		Measurement:	See below

Dimensions

Dimensions See Fig.1 .

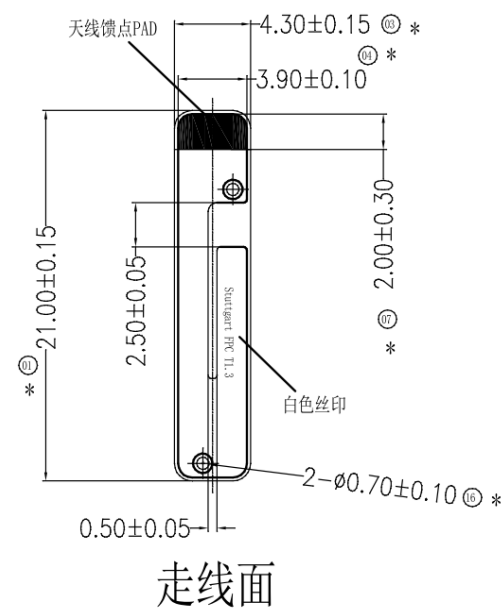
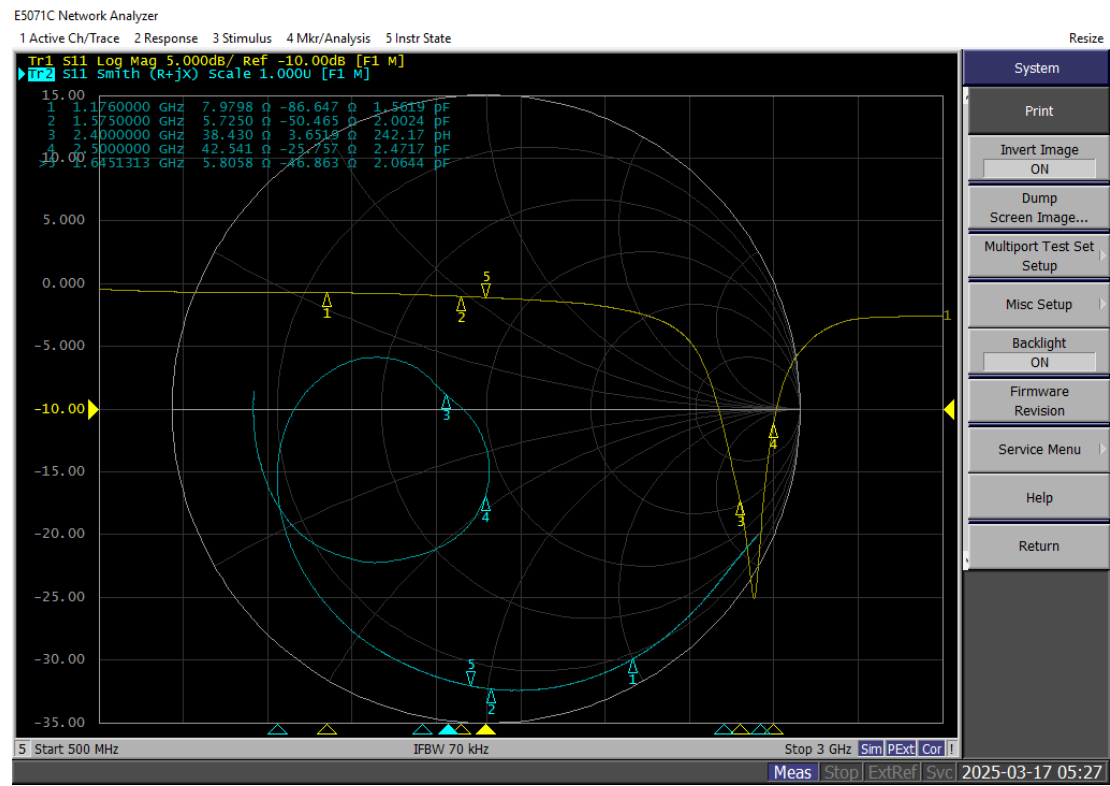


Fig. 1 Antenna Dimensions (示例)

# Electrical Performance



S11 parameter test result as Fig.2.

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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.3.

频率/MHz	效率/dB	效率/dBi	效率/%
2400	-6.52	-3.96	22.29
2410	-6.59	-3.97	21.91
2420	-6.73	-3.98	21.26
2430	-6.9	-4.11	20.39
2440	-7.06	-4.19	19.69
2450	-7.21	-4.04	19.03
2460	-7.39	-3.95	18.24
2470	-7.53	-3.88	17.68
2480	-7.59	-3.72	17.43
2490	-7.65	-3.63	17.2
2500	-7.67	-3.47	17.09

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

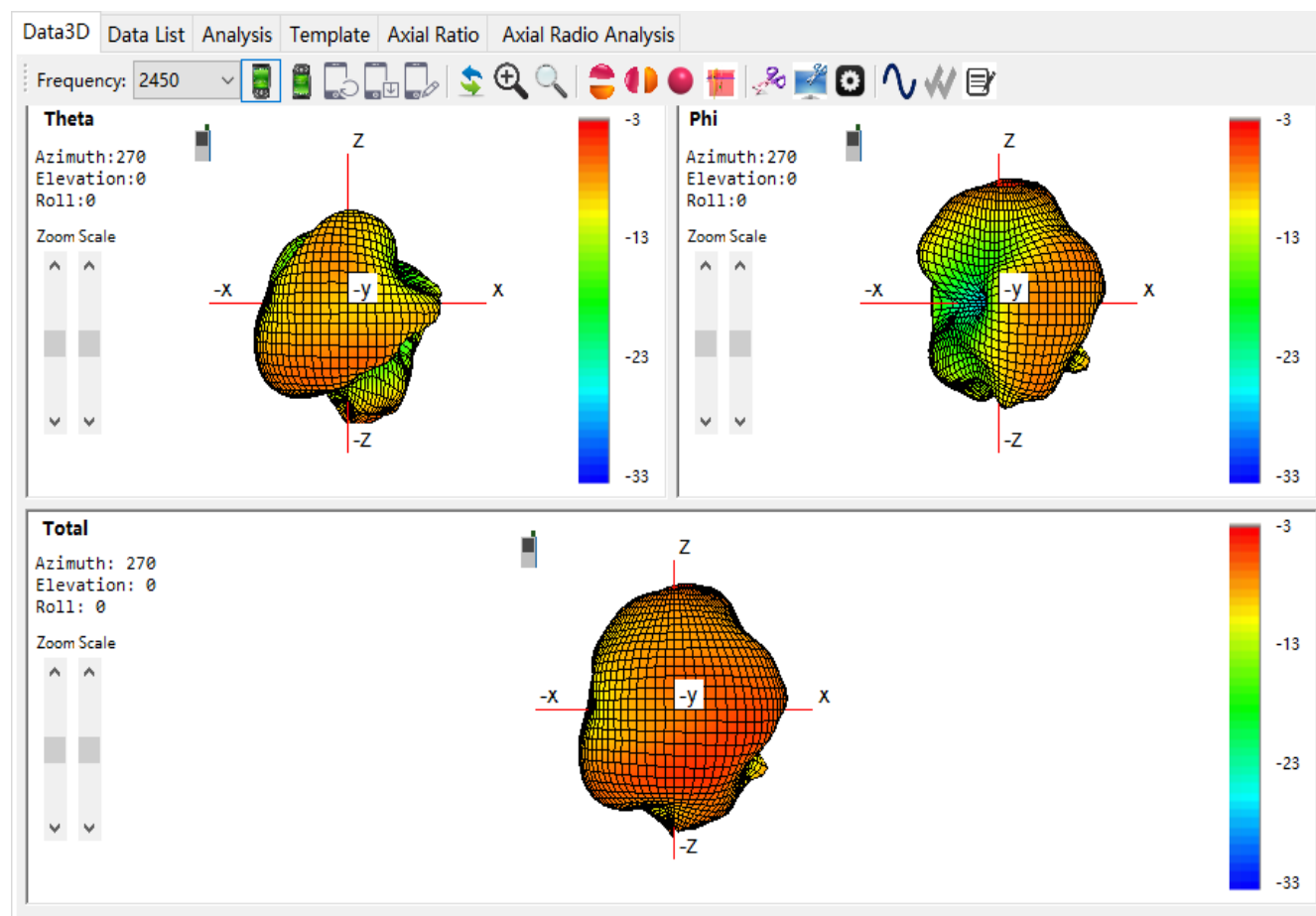


Fig. 4 antenna radiation pattern diagram