
Antenna specifications

Electrical Characteristics Description

Model:	Hannover BLE antenna		
Transmitter Frequency:	2402MHz-2480MHz		
Receiver Frequency:	2402MHz-2480MHz		
Antenna information:	Antenna Name	Model(s)/Type(s)	
	RF Antenna Assembly	Model/Part Number:	Hannover BLE
		Manufacturer:	Anhui Huami Information Technology Co., Ltd. 7/F,Building B2,Huami Global Innovation Center, No. 900, Wang jiang West Road, High-tech Zone, Hefei City Anhui Pilot Free Trade Zone, China
		Frequency Range:	2402MHz-2480MHz

		Connector Type/ Maximum Gain	-3.46dBi
		Antenna Type/ Pattern:	metalantenna
		Antenna Size	L=21.69mm
		Measurement:	See below

Dimensions

Dimensions See Fig.1.

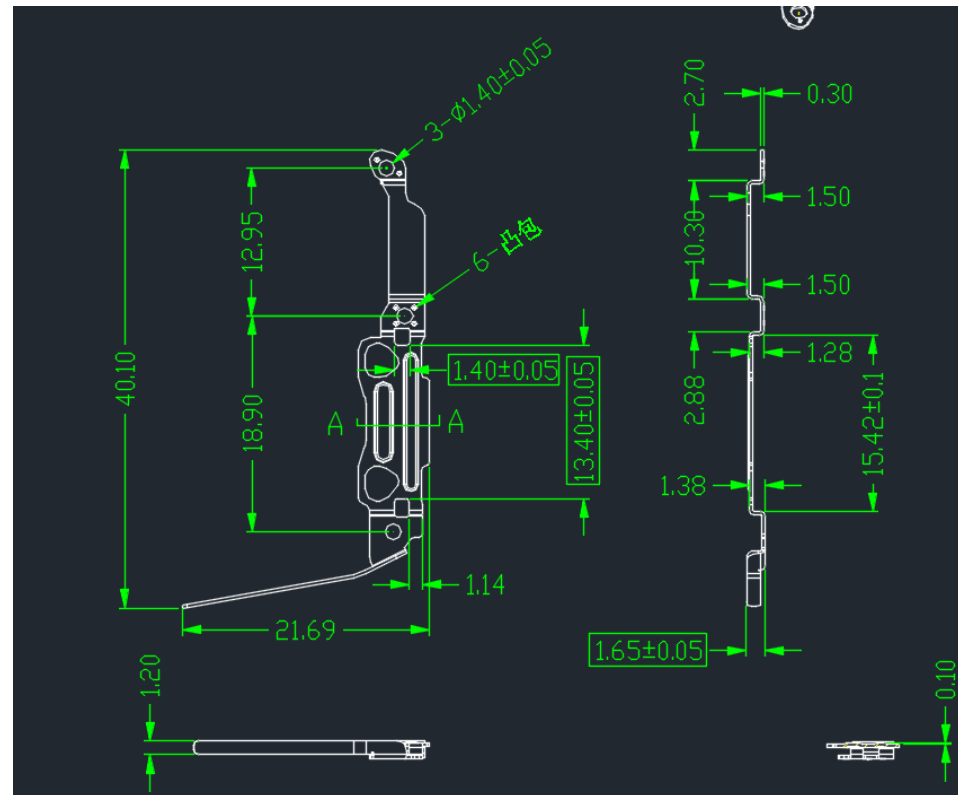


Fig. 1 Antenna Dimensions

Electrical Performance

S11 parameter test result as Fig.2.

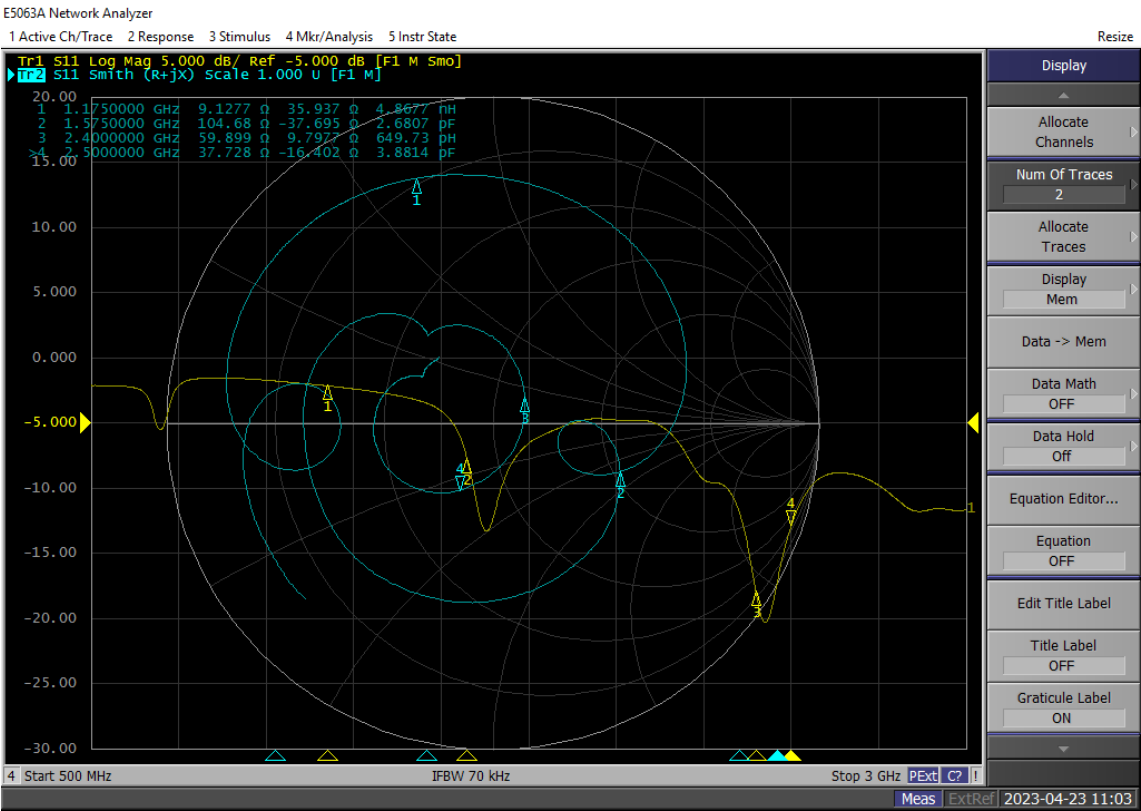


Fig. 2 S11 Parameter test result

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.3.

Frequency(MHz)	Efficiency(%)	Max. Gain dBi
2400	26.36	-3.54
2410	26.07	-3.46
2420	25.96	-3.46
2430	25.73	-3.65
2440	25.27	-3.57
2450	24.44	-3.62
2460	24.18	-3.5
2470	24.05	-3.65
2480	23.82	-3.59
2490	23.24	-3.67
2500	21.88	-3.99

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

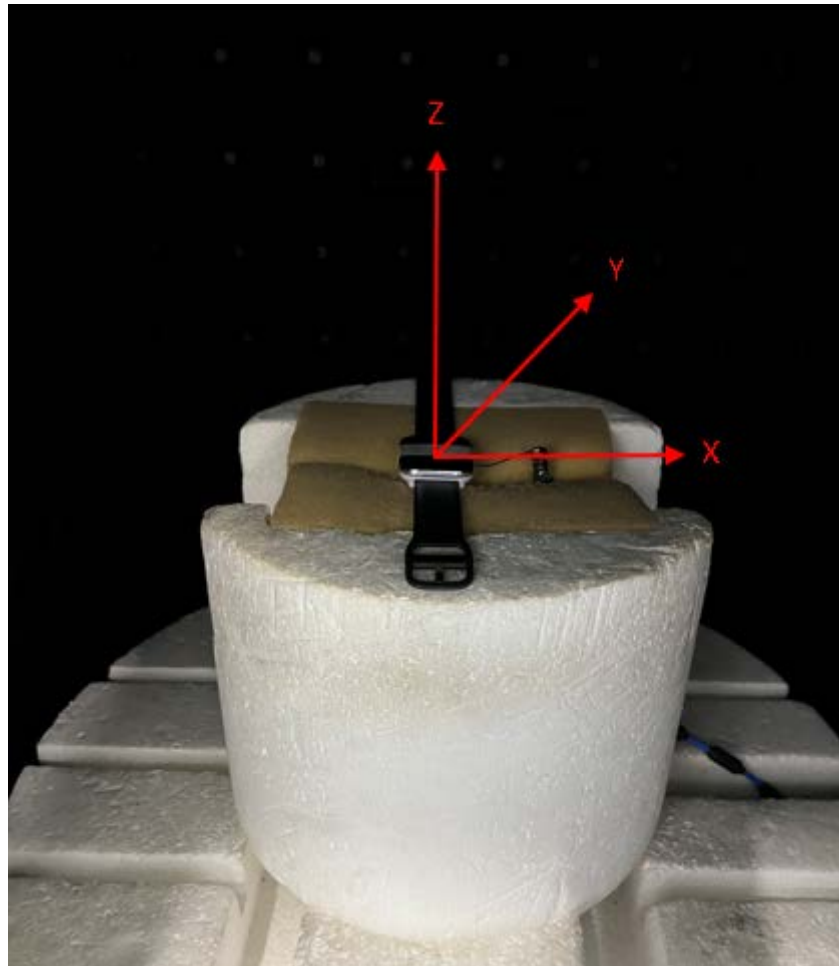


Fig. 3 Operating diagram

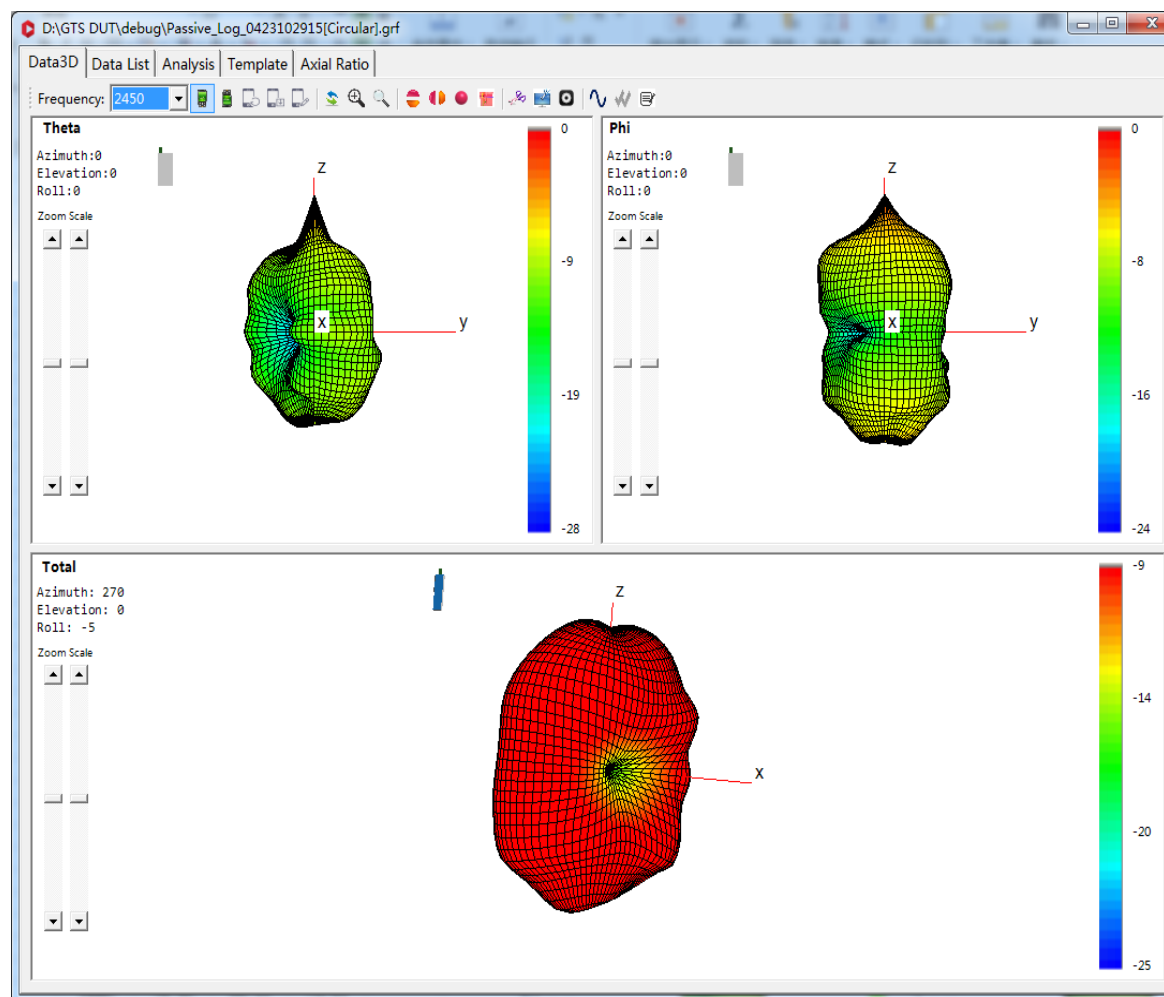


Fig. 4 antenna radiation pattern diagram