

Antenna specifications

Electrical Characteristics Description

Product Name:	Duet BT antenna		
Transmitter Frequency:	2400MHz-2483.5MHz		
Receiver Frequency:	2400MHz-2483.5MHz		
Antenna information:	Antenna Name	Model(s)/Type(s)	
	RF Antenna	Model/Part Number:	Haydn (R)
		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
		Frequency Range:	2400MHz-2483.5MHz
		Maximum Gain:	-5.22dBi
		Antenna Type:	Monopole
		Antenna Size:	Length 15.38mm, diameter 0.2mm

Dimensions

Dimensions See Fig.1.

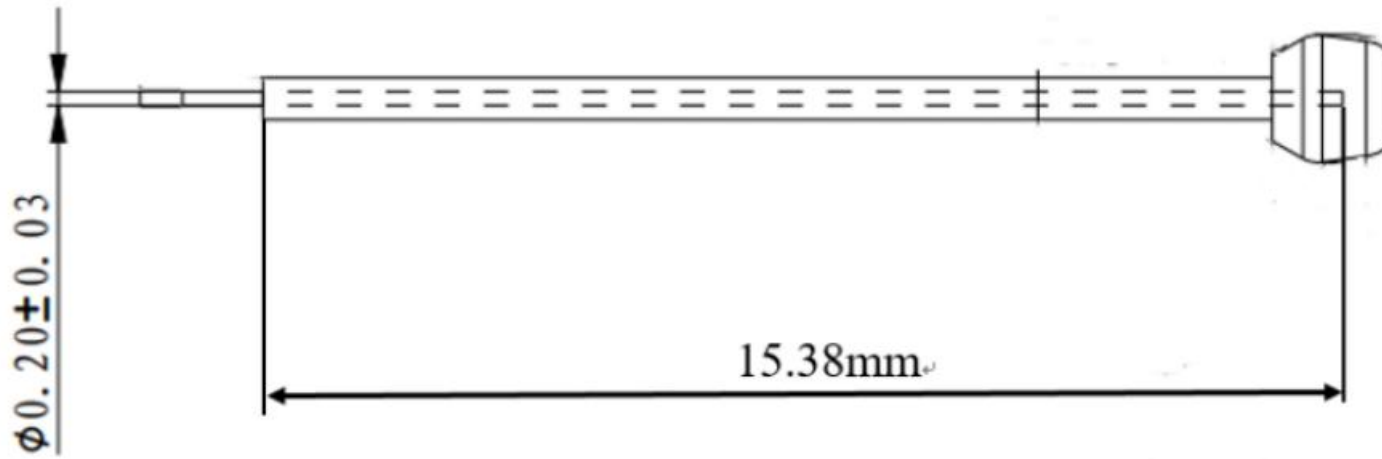


Fig. 1 Antenna Dimensions (示例)

Electrical Performance

S11 parameter test result as Fig.2.

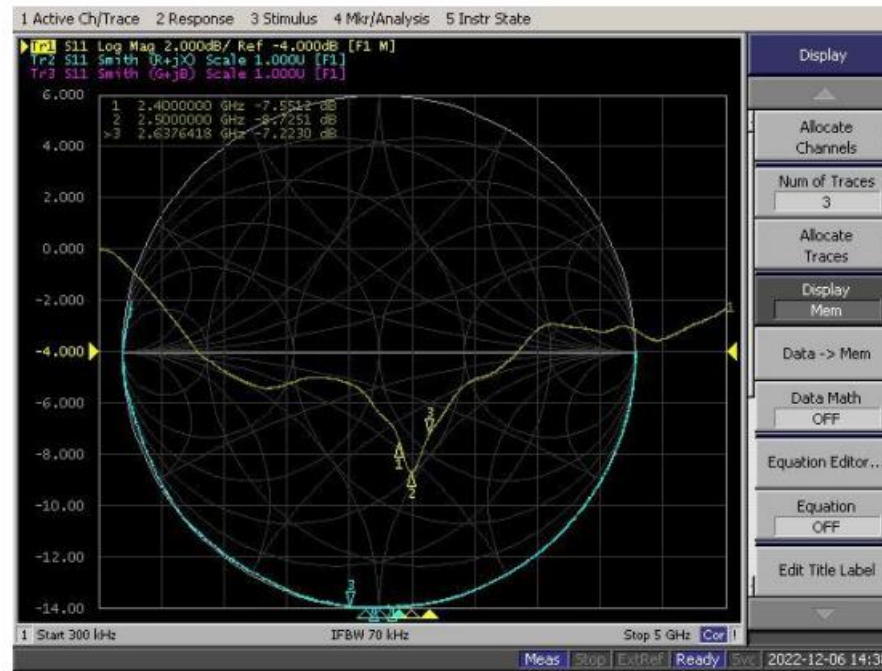


Fig. 2 S11 Parameter test result

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.

Table 1 Max. Gain and Efficiency Vs. Frequency

Frequency(MHz)	Efficiency	Max. Gain dBi
2400	5%	-5.22
2410	5%	-5.24
2420	5%	-5.31
2430	5%	-5.25
2440	5%	-5.27
2450	5%	-5.41
2460	5%	-5.32
2470	5%	-5.48
2480	5%	-5.51
2490	4%	-5.73
2500	4%	-5.97



Fig. 3 Operating diagram

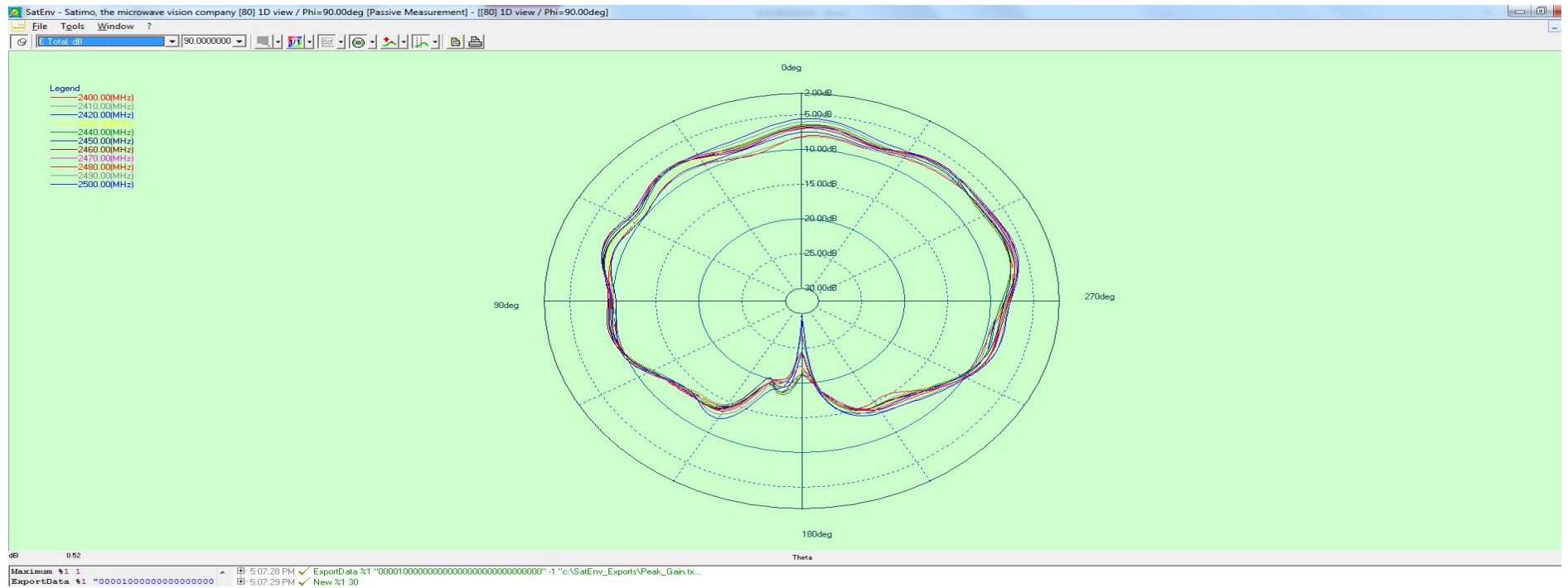


Fig. 4 antenna radiation pattern diagram