

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.

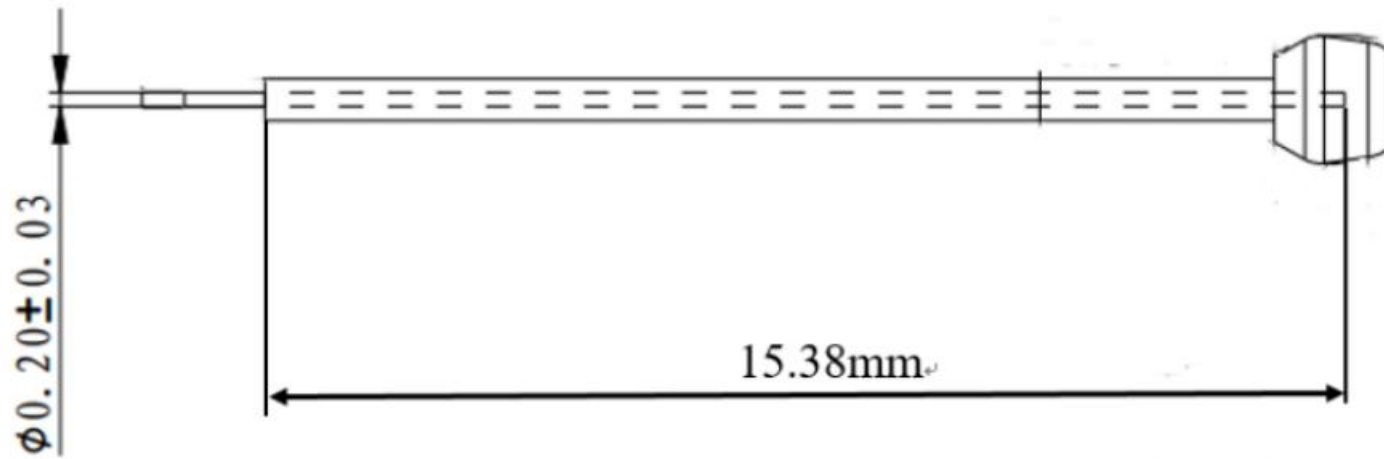


Fig. 1 Antenna Dimensions (示例)

Electrical Performance

S11 parameter test result as Fig.2.

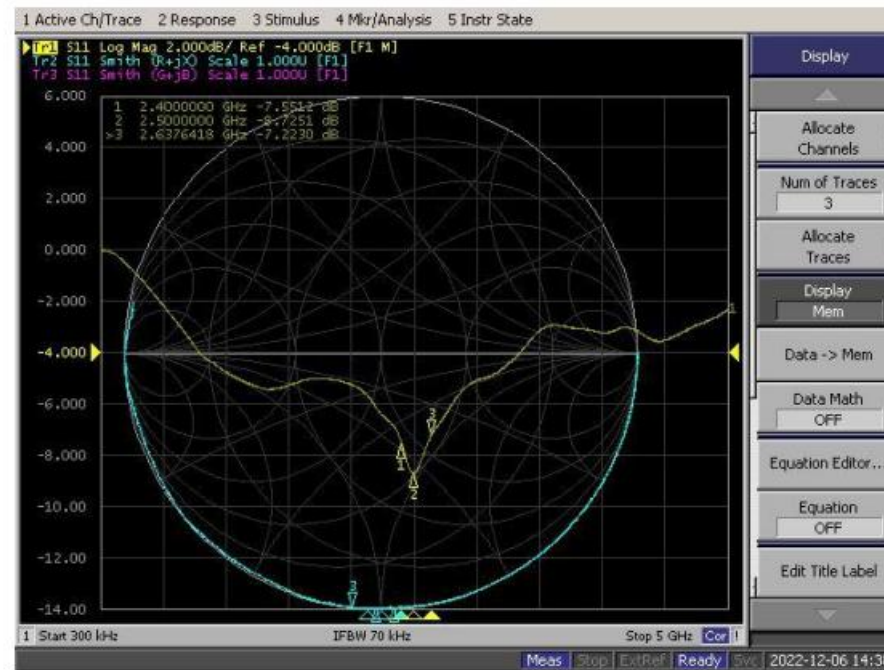


Fig. 2 S11 Parameter test result

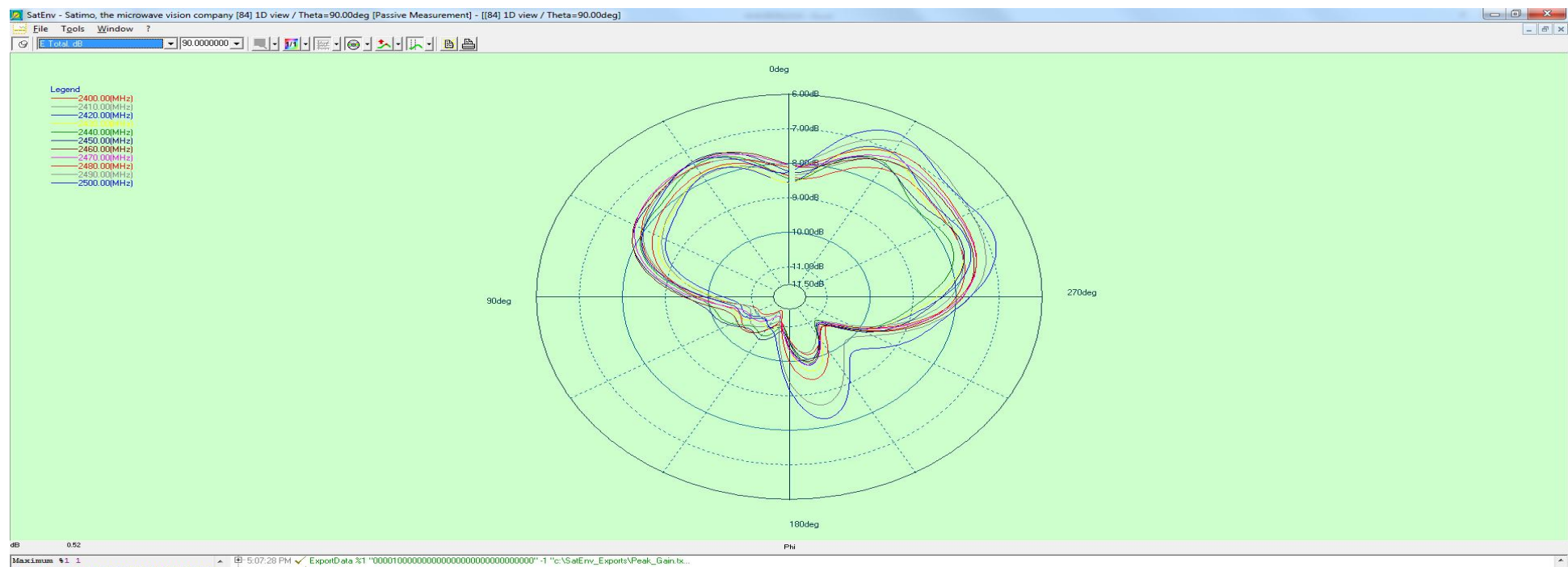
Table 1 shows the emission efficiency and the maximum gain of the antenna at different frequencies changes. The antenna radiation pattern diagram show in Fig.3.

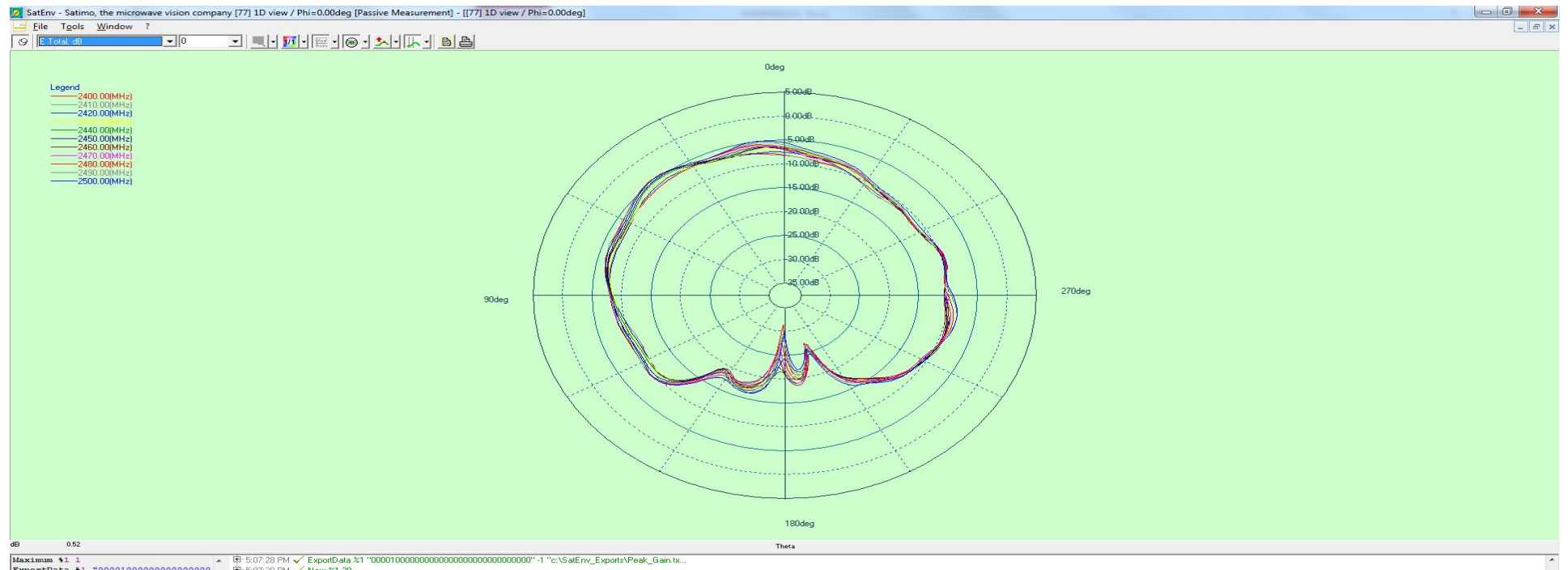
Table 1Max. Gain and Efficiency Vs. Frequency

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





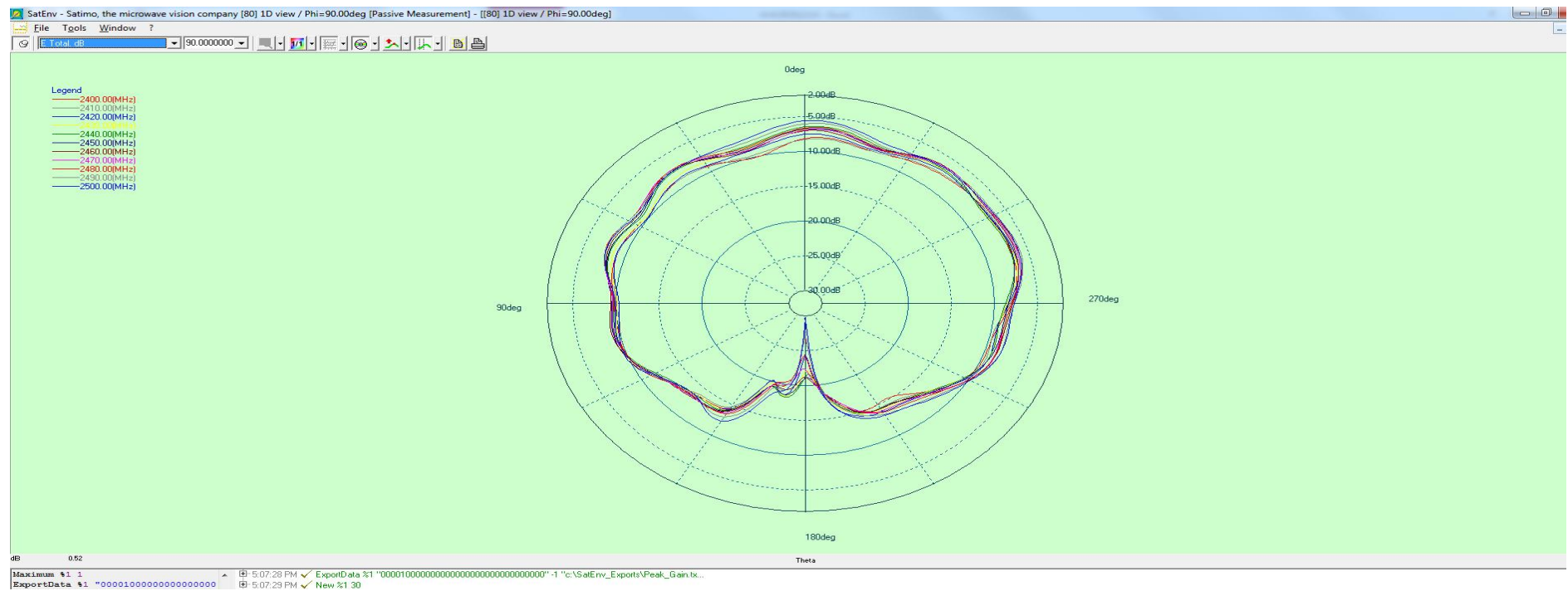


Fig. 4 antenna radiation pattern diagram