
Antenna specifications

Electrical Characteristics Description

Model:	Munich antenna		
Transmitter Frequency:	2400MHz-2483.5MHz		
Receiver Frequency:	1170 MHz -1180 MHz、 1570MHz-1580MHz、 2400MHz-2483.5MHz		
Antenna information:	Antenna Name	Model(s)/Type(s)	
	RF Antenna Assembly	Model/Part Number:	Munich antenna
		Manufacturer:	Anhui Huami Information Technology Co., Ltd.
		Address:	Room 401-1, Building H8, Hefei Innovation Industrial Park Phase II, No.2800, Chuangxin Road, High-tech Zone, Hefei City, Anhui Pilot Free Trade Zone, China
		Frequency Range:	1170 MHz -1180 MHz 1570MHz-1580MHz 2400MHz-2483.5MHz
		Connector Type/ Maximum Gain	GNSS: -3.75dBi BT/Wi-Fi: -5.15dBi
		Antenna Type:	Metal Antenna
		Antenna Size	See below pic
		Measurement:	NA

Dimensions

Dimensions Fig:

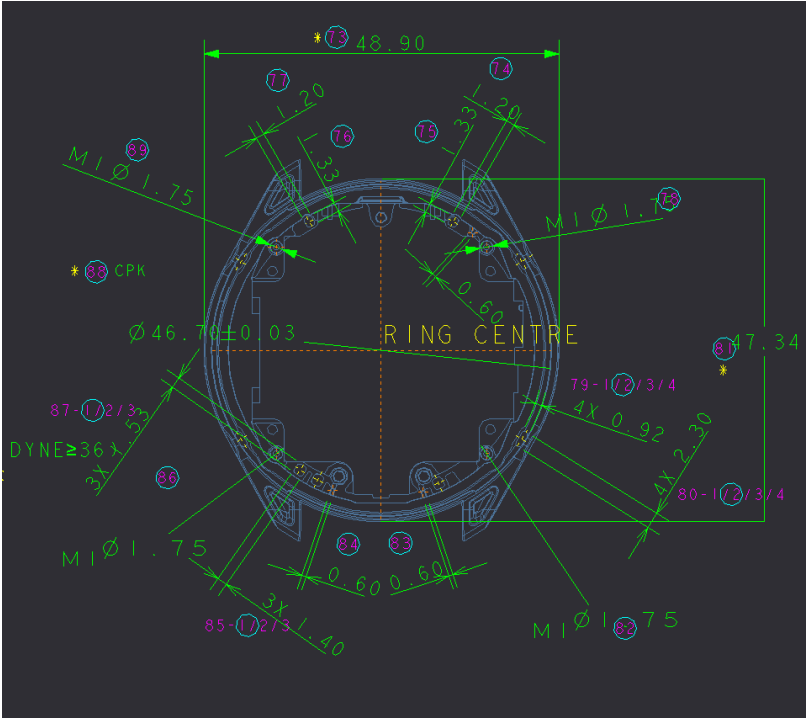


Fig. 1 Antenna Dimensions

Electrical Performance

S11 parameter-GPS L1 test result as Fig.2.

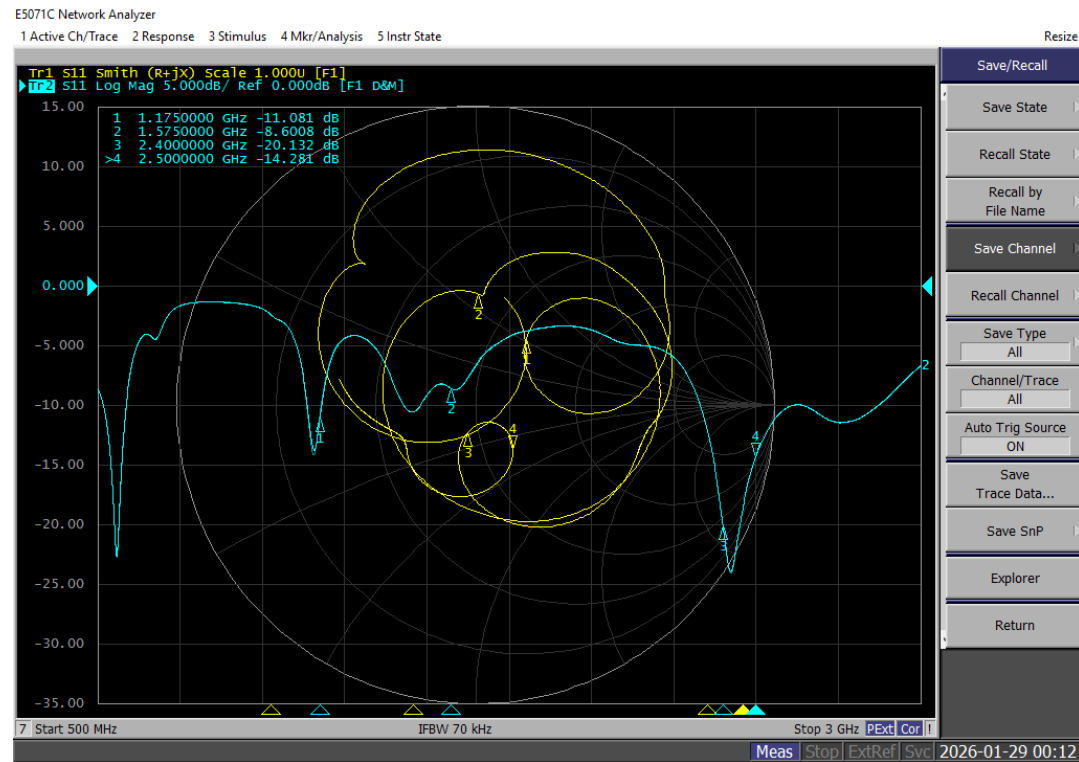
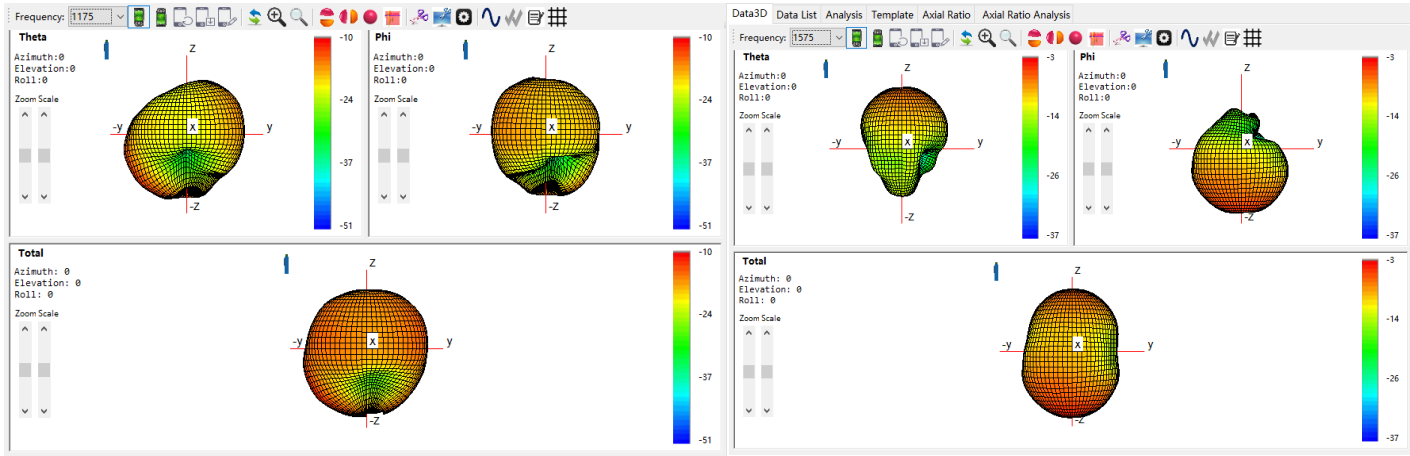


Fig. 2 S11 Parameter- GPS&BT test result

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.4.

GPS				BT			
频率\MHz	效率\dB	Gain\dB	效率\%	频率\MHz	效率\dB	Gain\dB	效率\%
1165	-15.37	-10.34	2.91	2400	-10.94	-5.3	8.05
1175	-15.35	-10.39	2.92	2410	-10.93	-5.18	8.08
1185	-15.48	-10.56	2.83	2420	-10.9	-5.15	8.13
				2430	-10.91	-5.17	8.12
1565	-8.13	-3.75	15.37	2440	-10.9	-5.17	8.14
1575	-8.3	-3.92	14.81	2450	-10.88	-5.21	8.16
1585	-8.44	-4.16	14.33	2460	-10.95	-5.27	8.04
1595	-8.57	-4.34	13.89	2470	-11	-5.34	7.94
1605	-8.69	-4.51	13.53	2480	-11.01	-5.39	7.93
				2490	-11.09	-5.55	7.79
				2500	-11.15	-5.67	7.68

Table 1Max. Gain and Efficiency Vs. Frequency



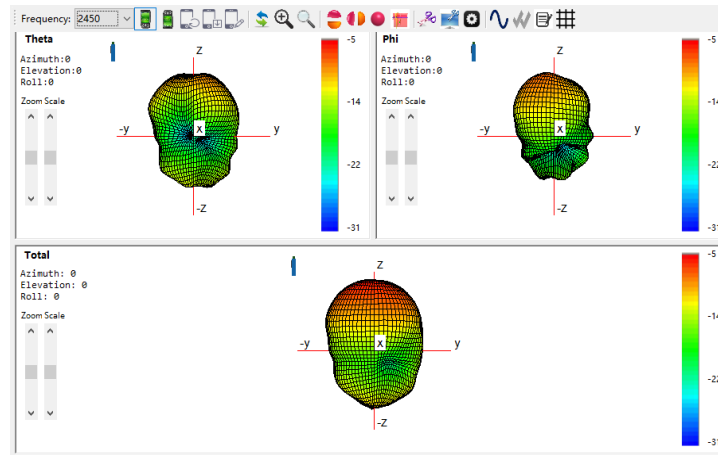


Fig. 4 antenna radiation pattern diagram