

Antenna specifications

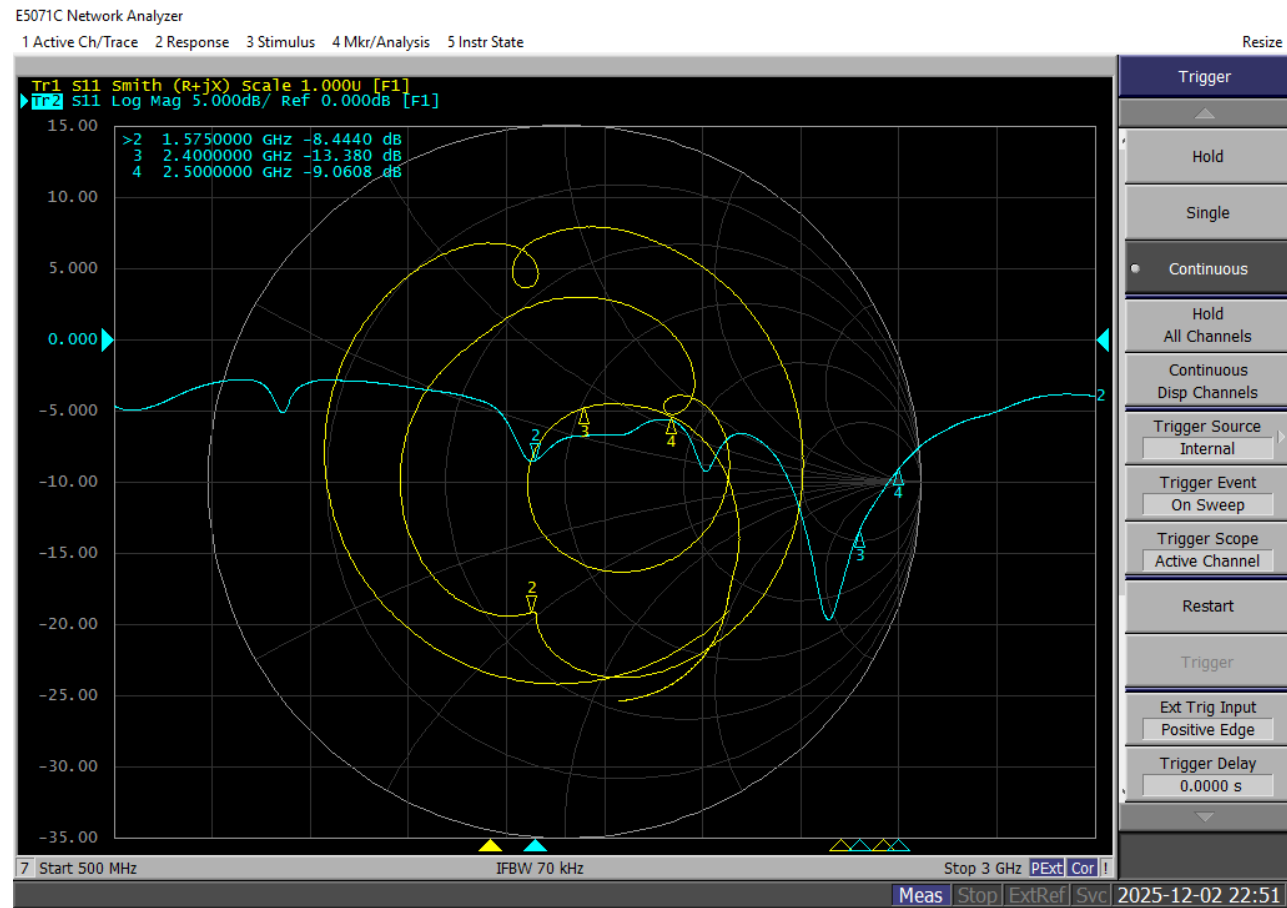
Electrical Characteristics Description

Model:	Cologne BT antenna		
Antenna information:	Antenna Name	Model(s)/Type(s)	
	RF Antenna Assembly	Model/Part Number:	Cologne BT
		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:	2400 MHz-2500 MHz
		Connector Type/Maximum Gain	-5.67dBi
		Antenna Type/Pattern:	metal antenna
		Antenna Size	表圈：C=137.87mm
		Measurement:	See below

Dimensions See Fig.1 .



Electrical Performance



S11 parameter test result as Fig.2.

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	增益/dBi	效率/%
2400	-10.82	-6.07	8.29
2410	-10.8	-5.98	8.32
2420	-10.8	-5.86	8.32
2430	-10.84	-5.89	8.24
2440	-10.86	-5.82	8.21
2450	-10.88	-5.81	8.17
2460	-10.97	-5.91	8
2470	-11.03	-5.95	7.88
2480	-11.07	-5.93	7.82
2490	-11.11	-5.73	7.75
2500	-11.14	-5.67	7.69

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

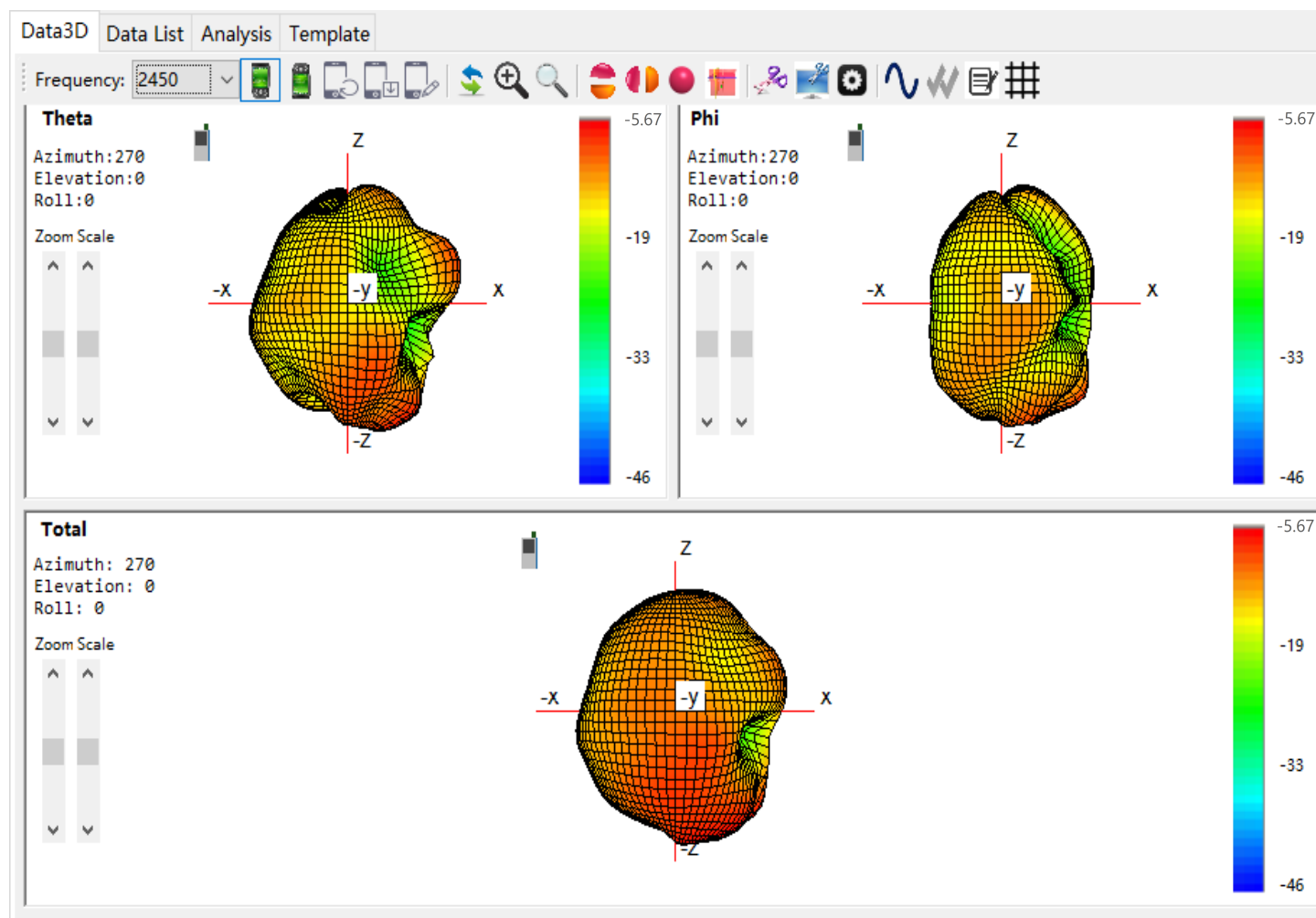


Fig. 4 antenna radiation pattern diagram