



深圳市浩天诚无线科技有限公司
SHENZHEN HAOTIAN CHENG WIRELESS TECHNOLOGY CO.,LTD.

Antenna performance test report

Custome r name	Xiangming da	Radio frequency engineer	Xiao Qiang
Project name	TK17	constructio n engineer	Huang Zhenming
Antenna frequenc y band	BT(2400- 2500MHZ)		
Report version	time	Content generaliz ation	

V2.0	2025-3-31	Antenna performance test report
------	-----------	---------------------------------

Test report directory

I. complete machine renderings

II. matching circuit

III. passive standing wave diagram of antenna

IV. passive Smith chart of antenna

Passive return loss of antenna

VI. passive gain efficiency of antenna

VII. antenna passive apple diagram

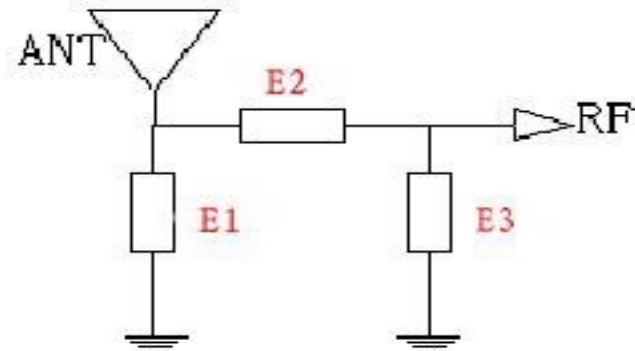
VIII. ANT Graphic for reference

I Whole machine renderings

Front and back of the whole machine, as shown in the figure:

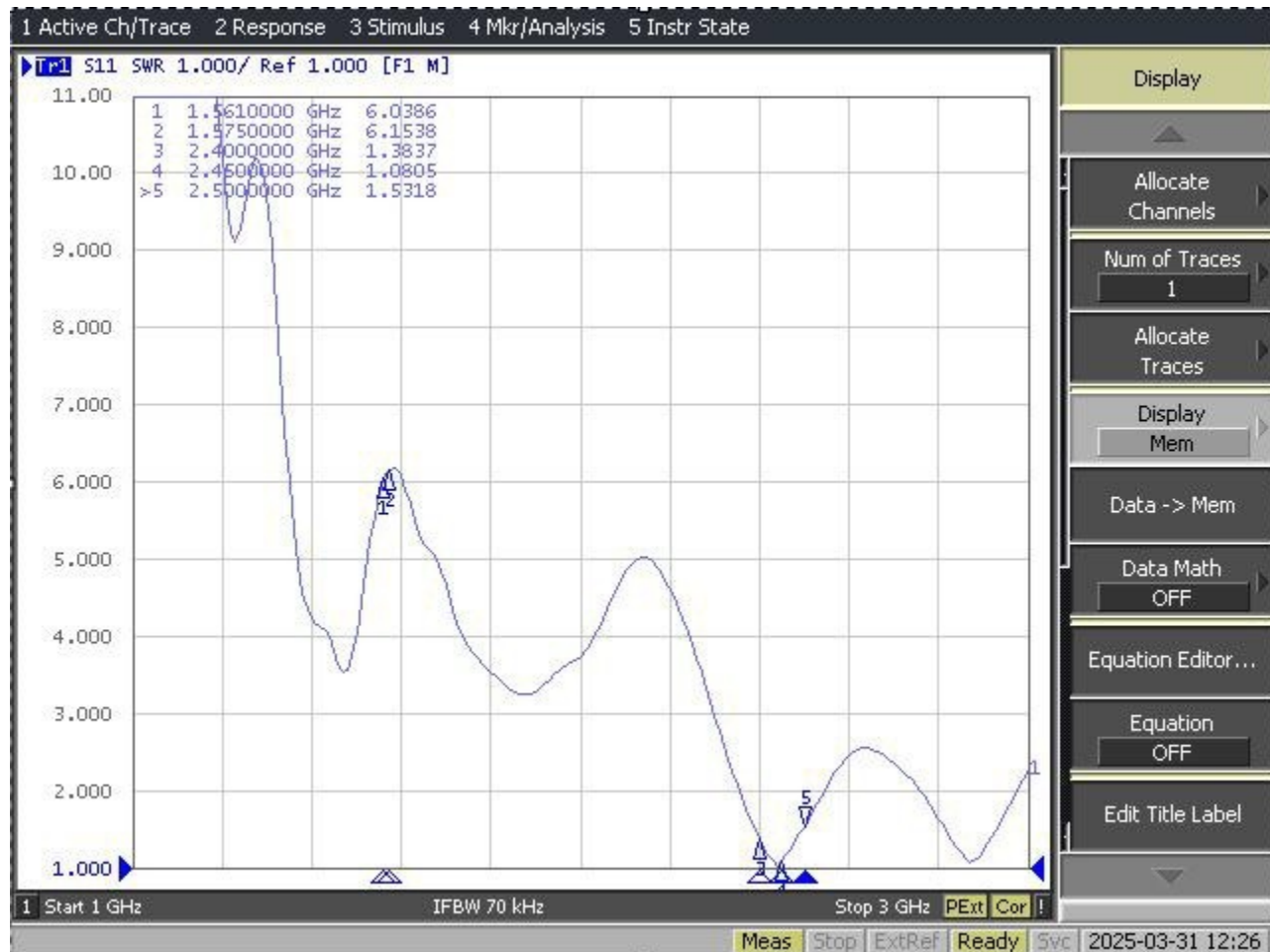


II matching circuit

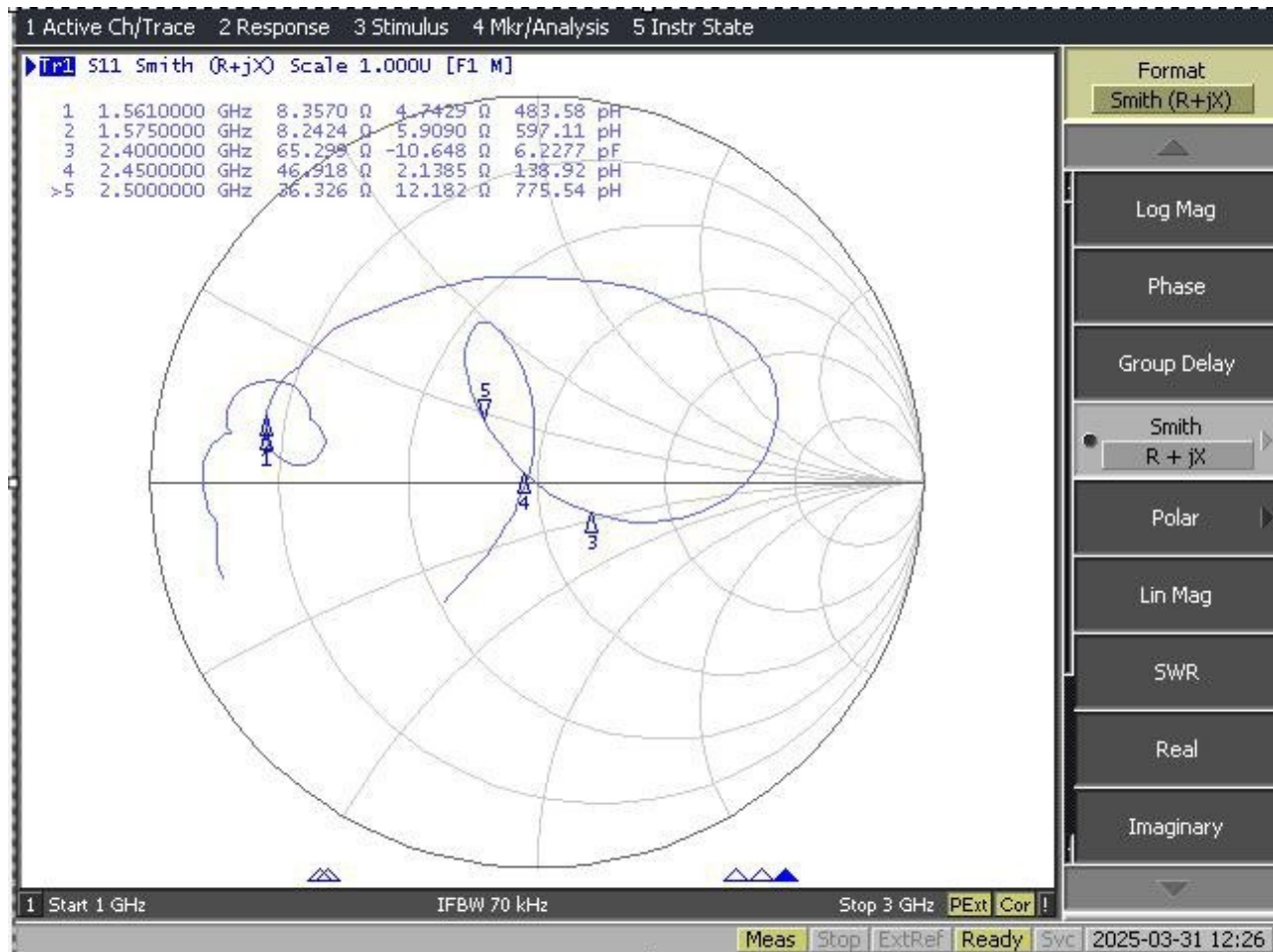


**The motherboard
was originally
matched and has not
been changed.**

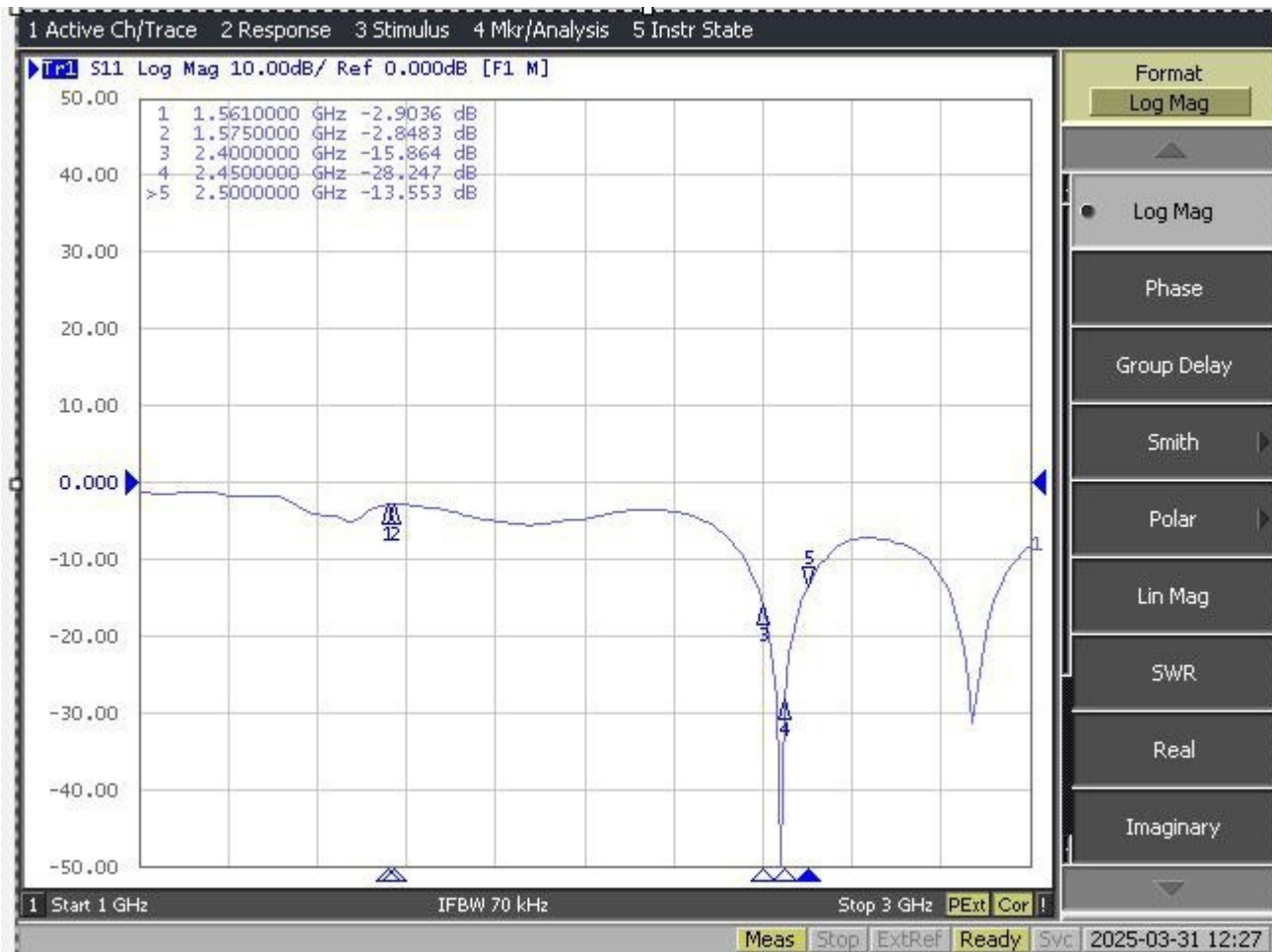
III Passive standing wave diagram of antenna



IV Passive Smith chart of antenna



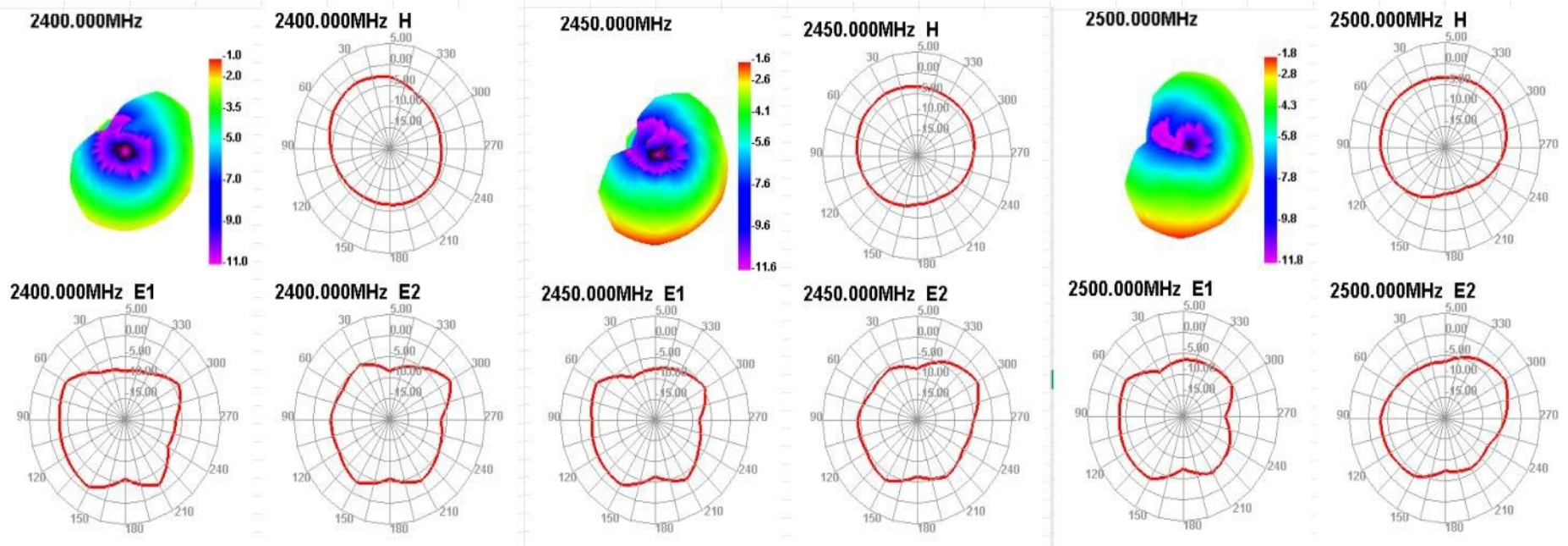
V Passive return loss of antenna



VI Passive gain efficiency of antenna

Freq (MHz)	Effi (%)	Gain (dBi)
2400	38.41	-1
2410	37.08	-1.24
2420	35.64	-1.47
2430	35.38	-1.57
2440	33.87	-1.86
2450	36.01	-1.6
2460	37.37	-1.44
2470	36.58	-1.47
2480	38.19	-1.37
2490	38	-1.43
2500	35.84	-1.82

VII Antenna passive apple diagram



Haotiancheng wireless technology-specialized in research and development, manufacturing and sales of mobile phone antennas-quality resources around you.

VIII. ANT Graphic for reference

