

RG-AP880E-AP

-天线无源预测试报告

-V1.0

Manufacturer

6G: Fuzhou JieLei Electronic Technology Co.,Ltd.

BLE: DONG GUAN XIAN HUA INDUSTRIAL CO.,LTD

2.4G:Dongguan City Xinsheng Electronics Co.,Ltd

5G: Fuzhou JieLei Electronic Technology Co.,Ltd.

报告版本更新履历



版本号	修改描述	处理人	日期
V01	首次发行	wen	2023.11.07

CONTENTS

- ◆ Purpose & Environment
- ◆ DUT Antenna
- ◆ Return Loss and Isolation
- ◆ 2D&3D Radiation Pattern
- ◆ Peak Gain and Efficiency
- ◆ Summary

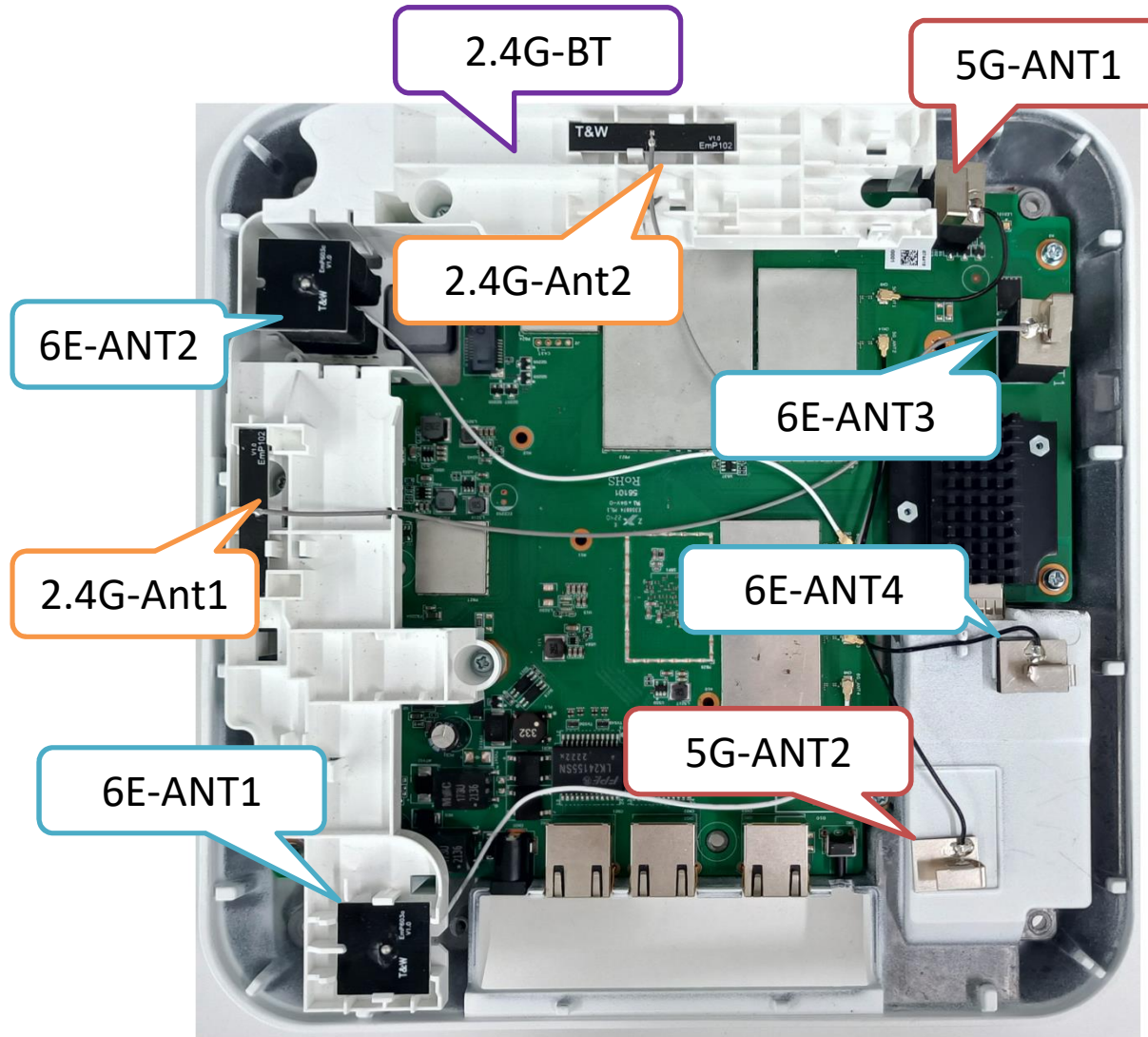
Purpose

- Meet the electrical performance index ;
- Confirm the antenna scheme to meet the design requirements;

Environment

- Test Condition: the network analyzer(E5071C) and SATIMO microwave anechoic chamber
- Passive measurement results are presented

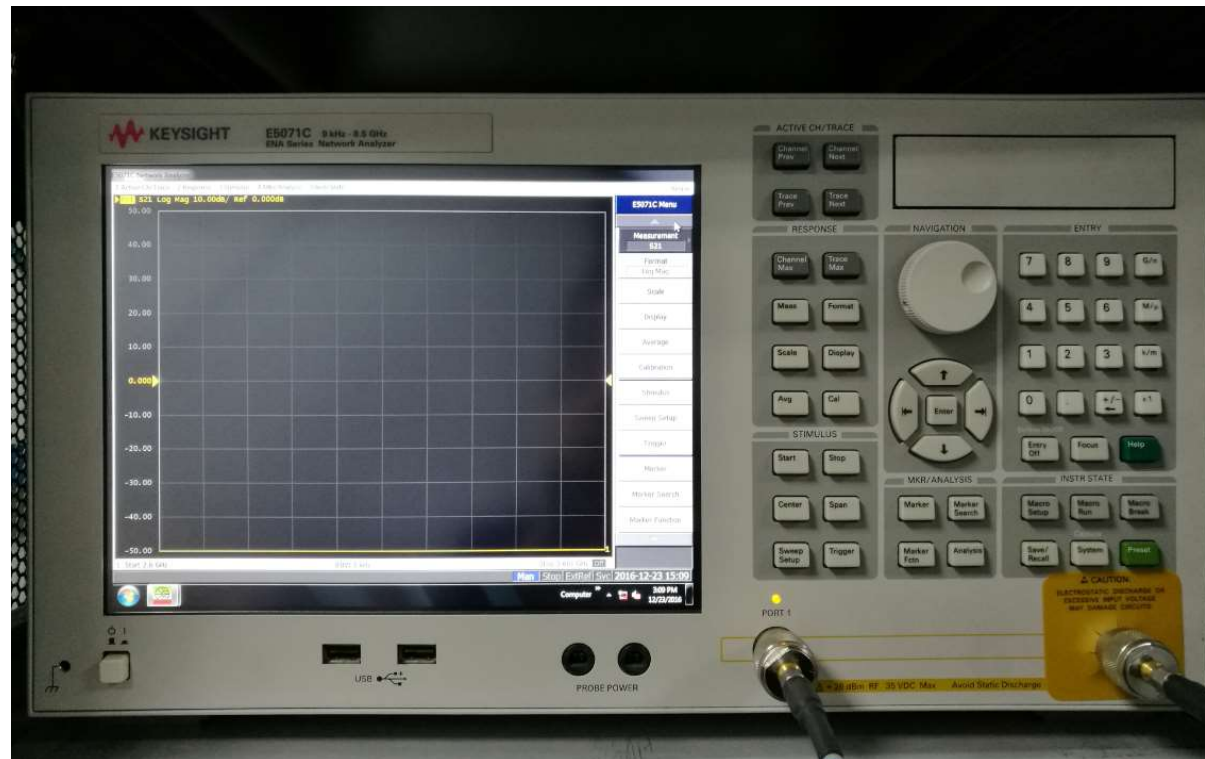
DUT Antenna



NO.	Frequency
2.4G-Ant1	2.4GHz-2.5GHz
2.4G-Ant2	
2.4G-BT	
5G-ANT1	5.15GHz-5.85GHz
5G-ANT2	
6E-ANT1	5.910GHz-7.125GHz
6E-ANT2	
6E-ANT3	
6E-ANT4	

Return Loss and Isolation

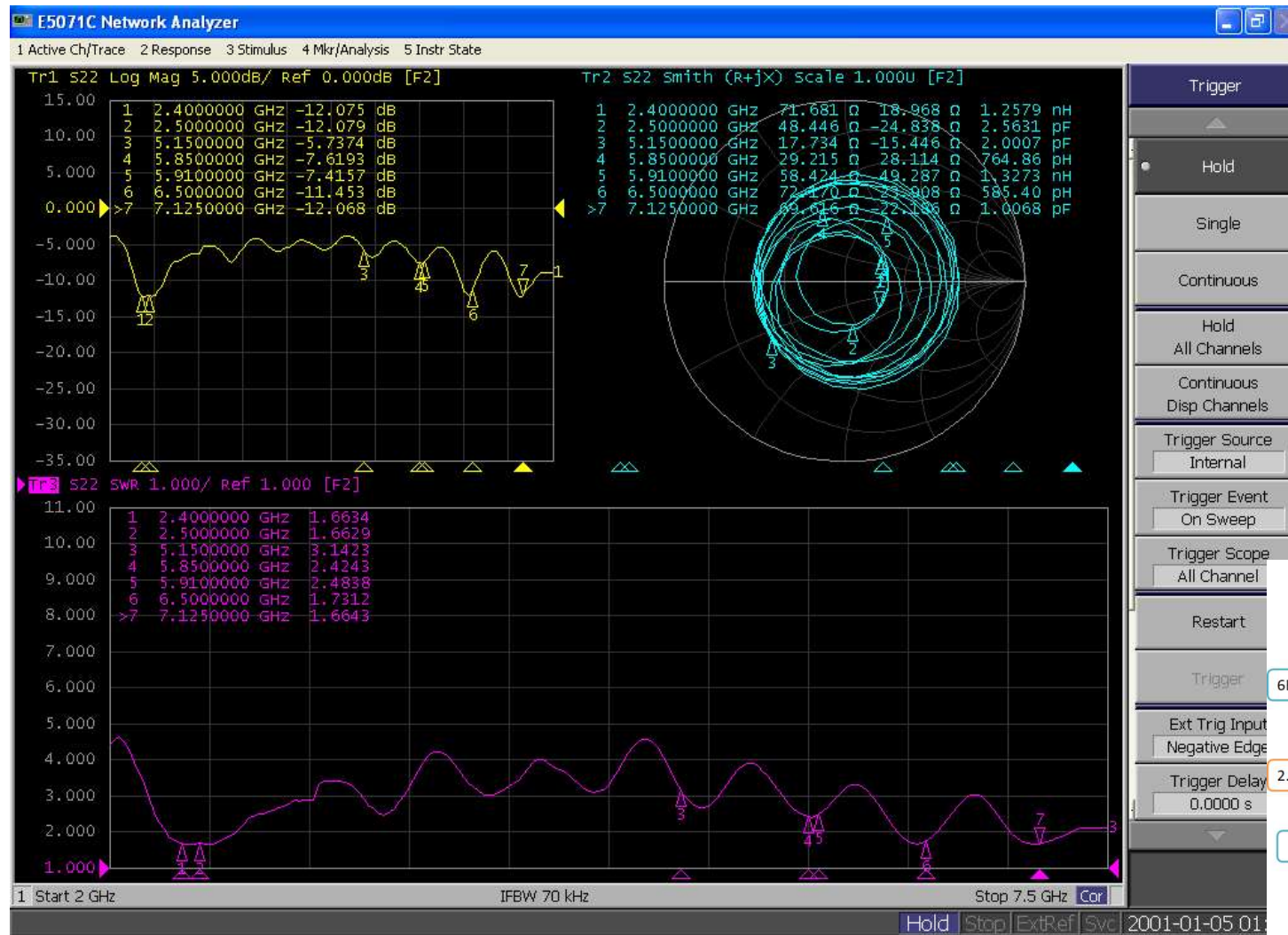
Test Condition



The network Analyzer

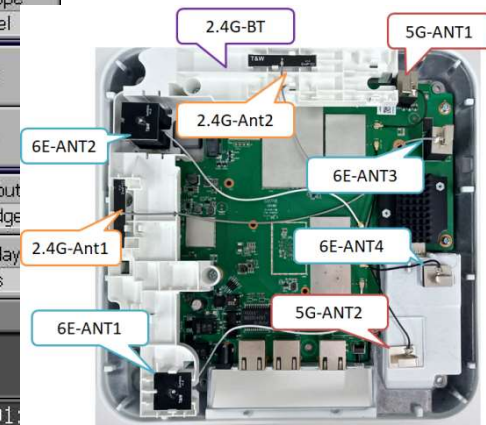
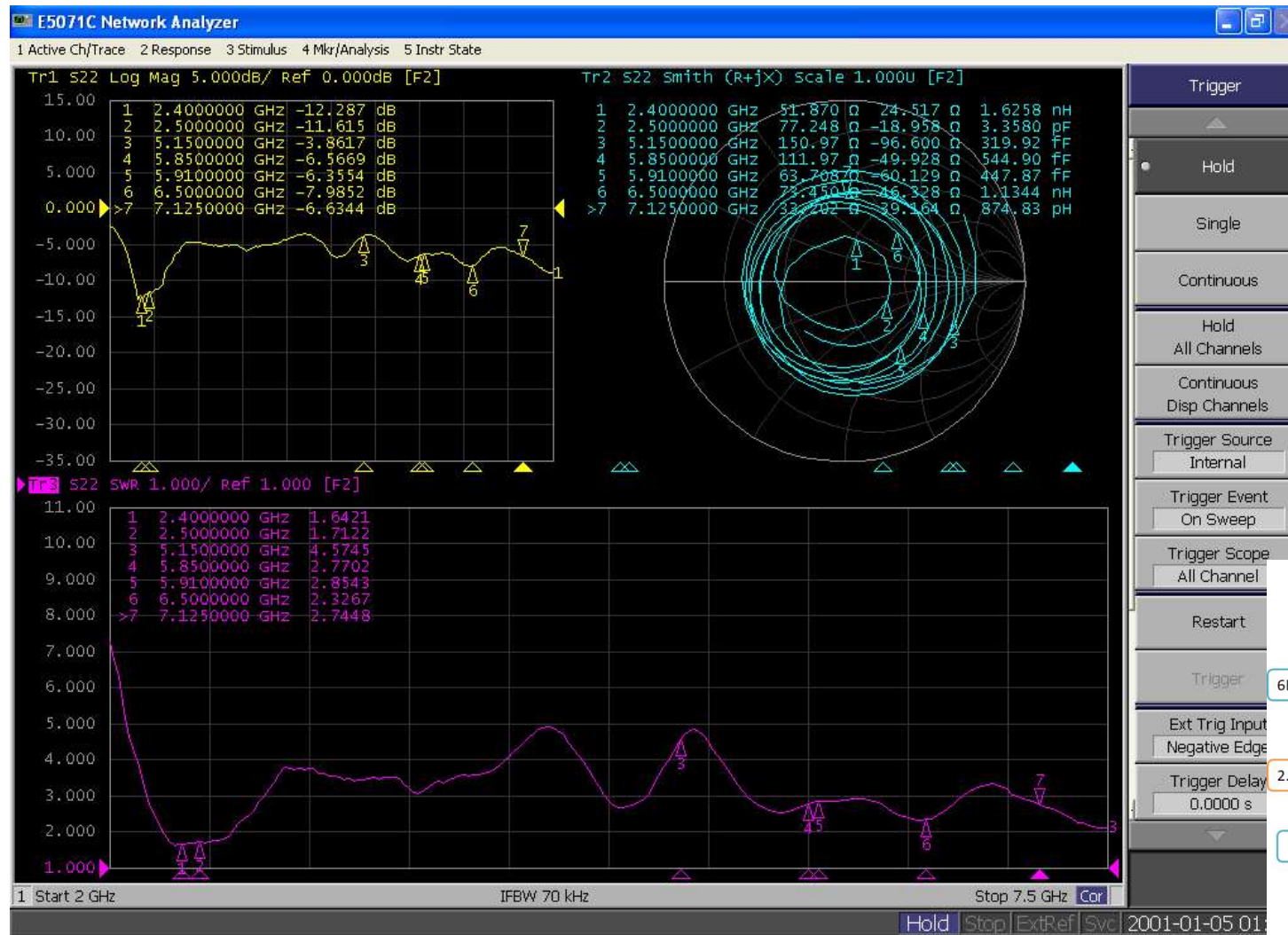
Return Loss

2.4G-ANT1



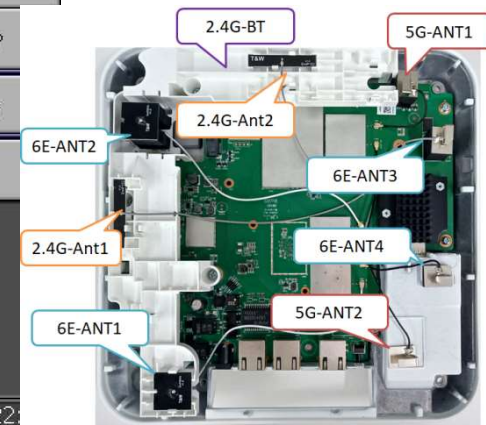
Return Loss

2.4G-ANT2



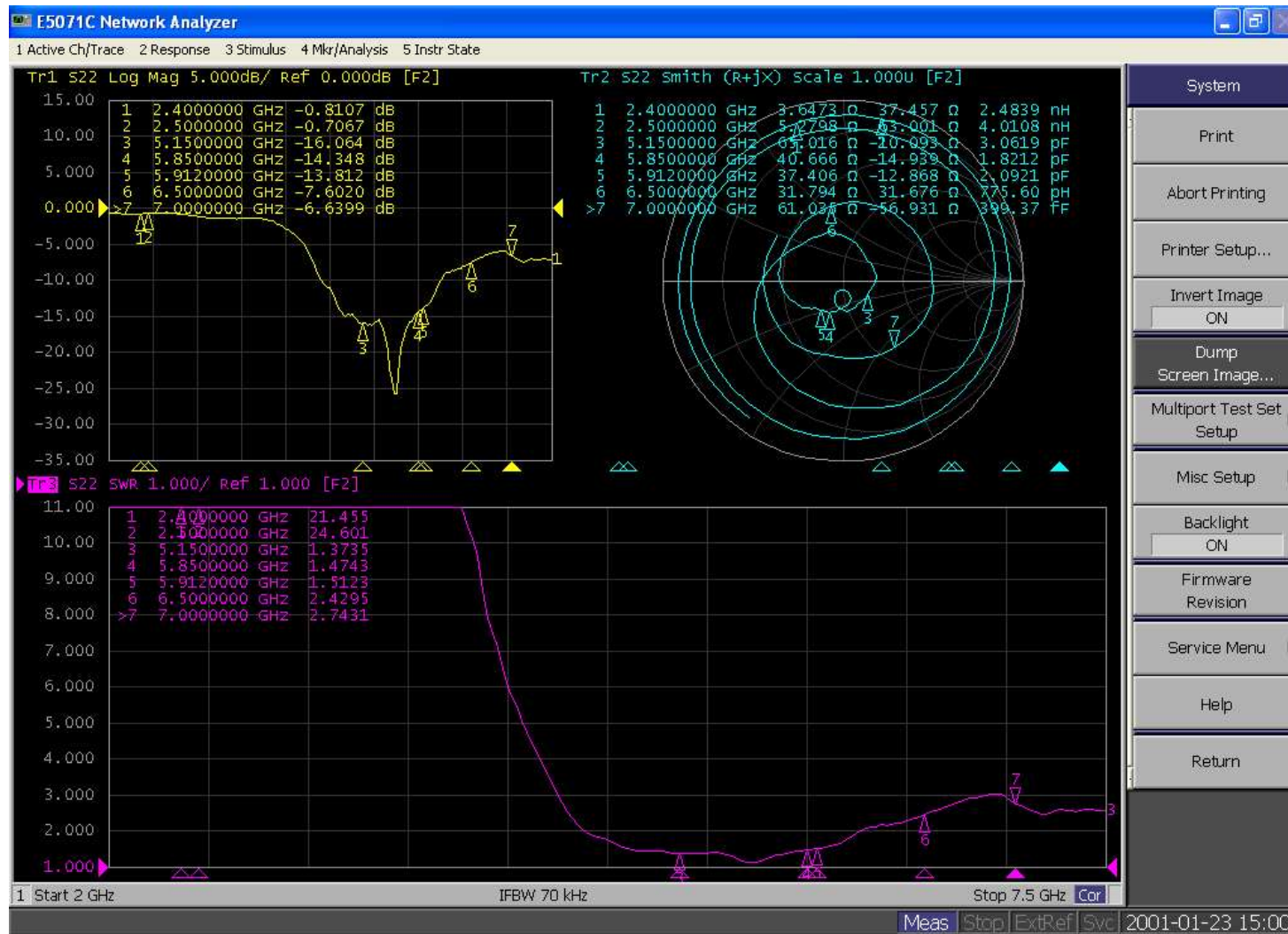
Return Loss

2.4G-BT



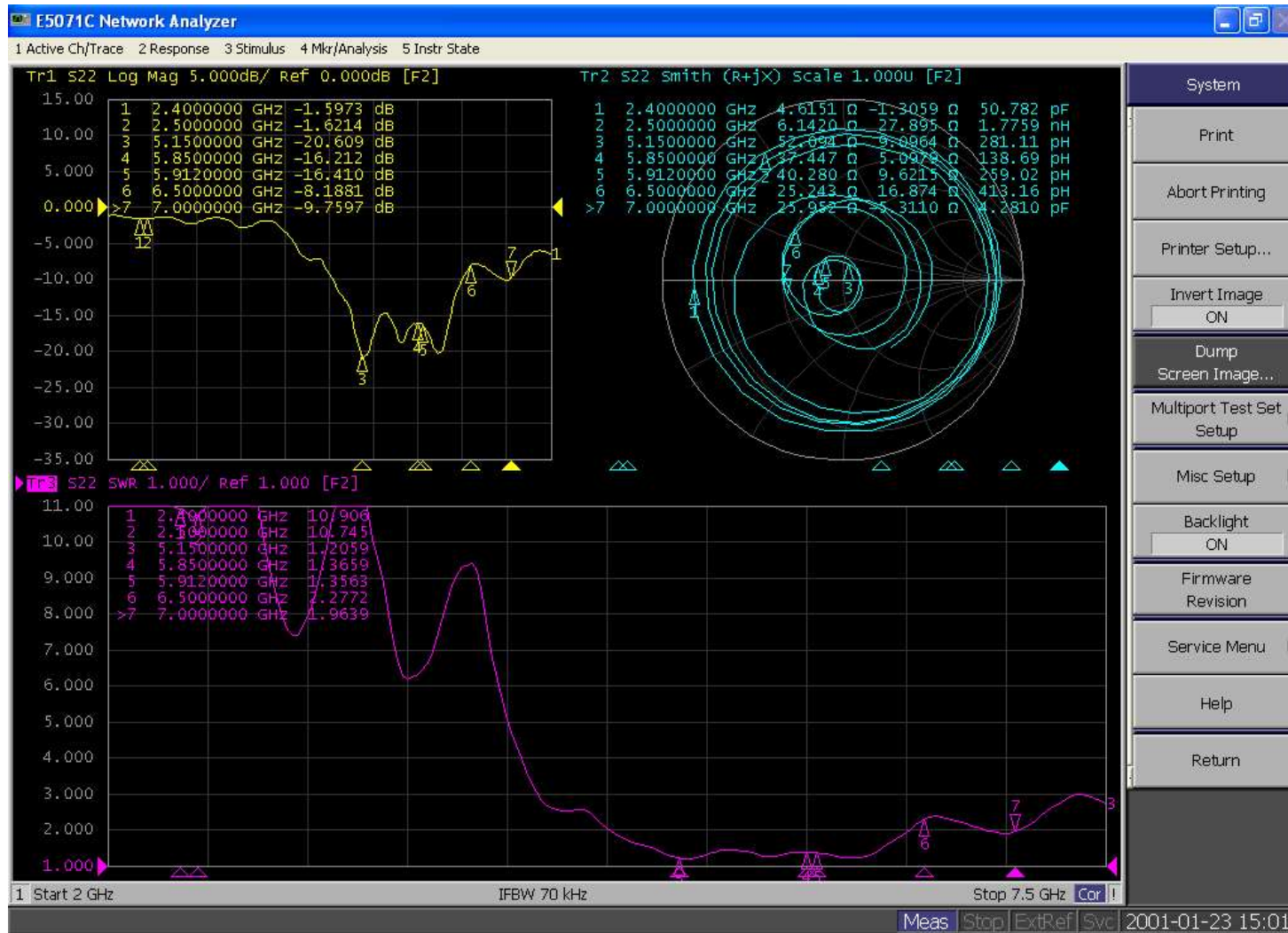
Return Loss

5G-ANT1



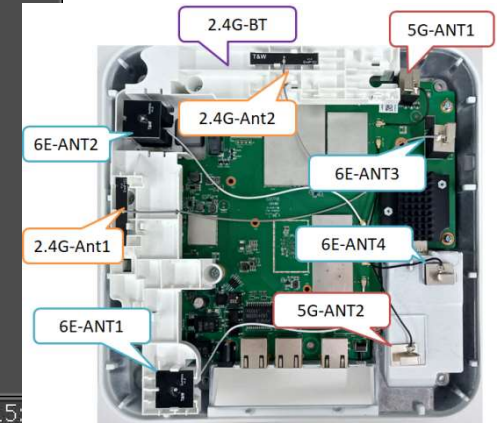
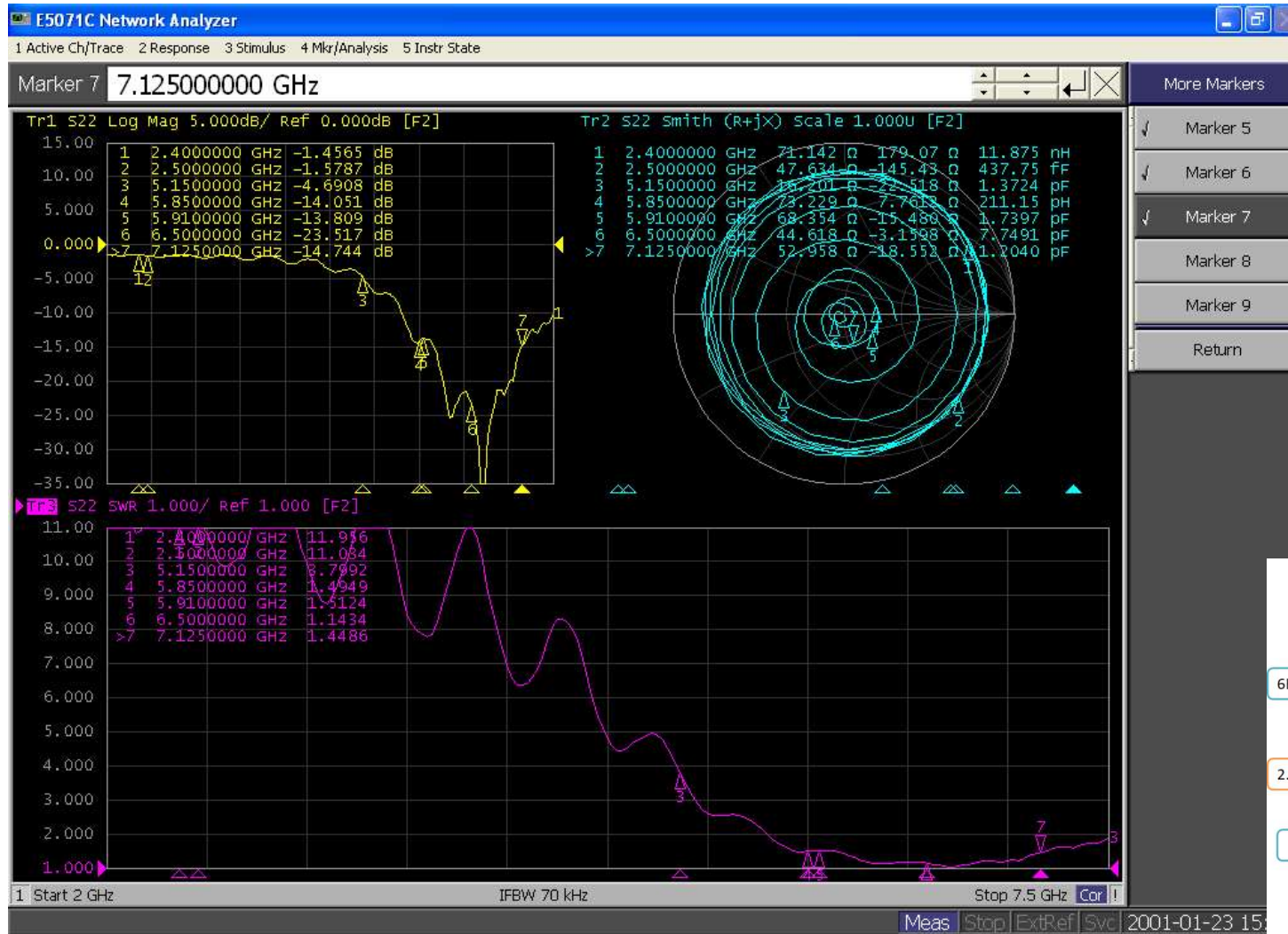
Return Loss

5G-ANT2



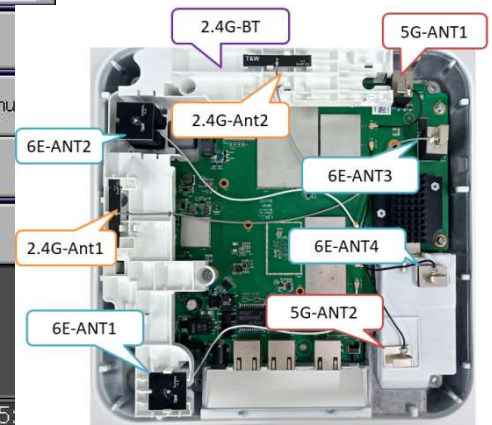
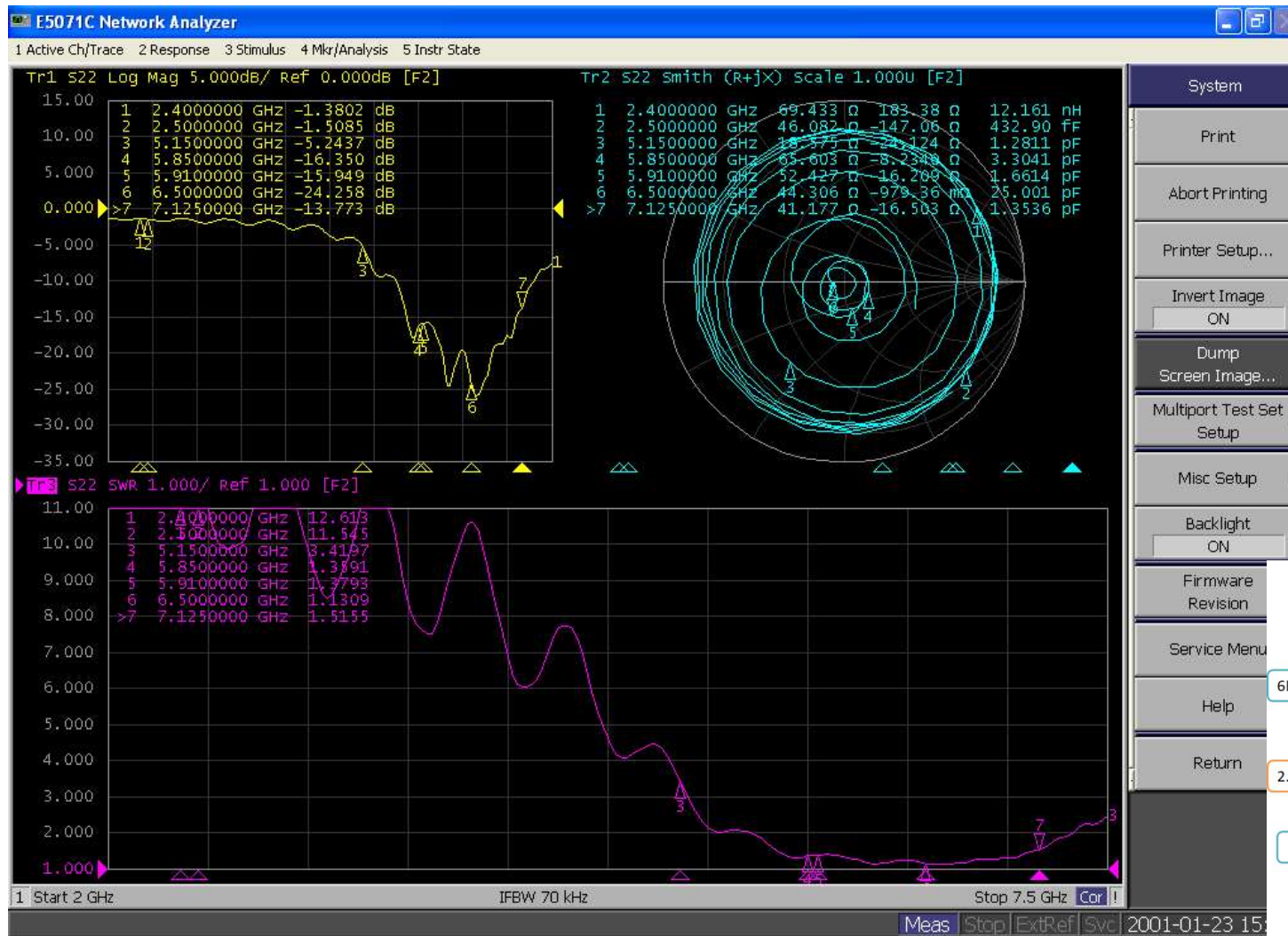
Return Loss

6E-ANT1



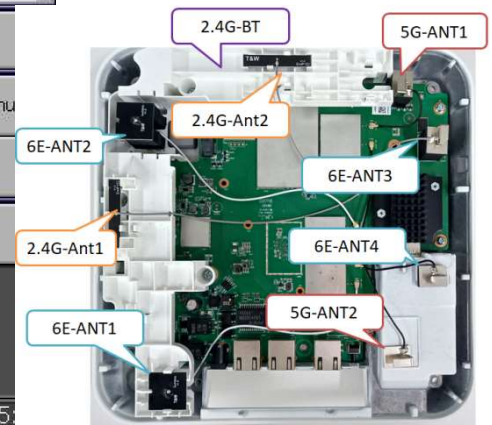
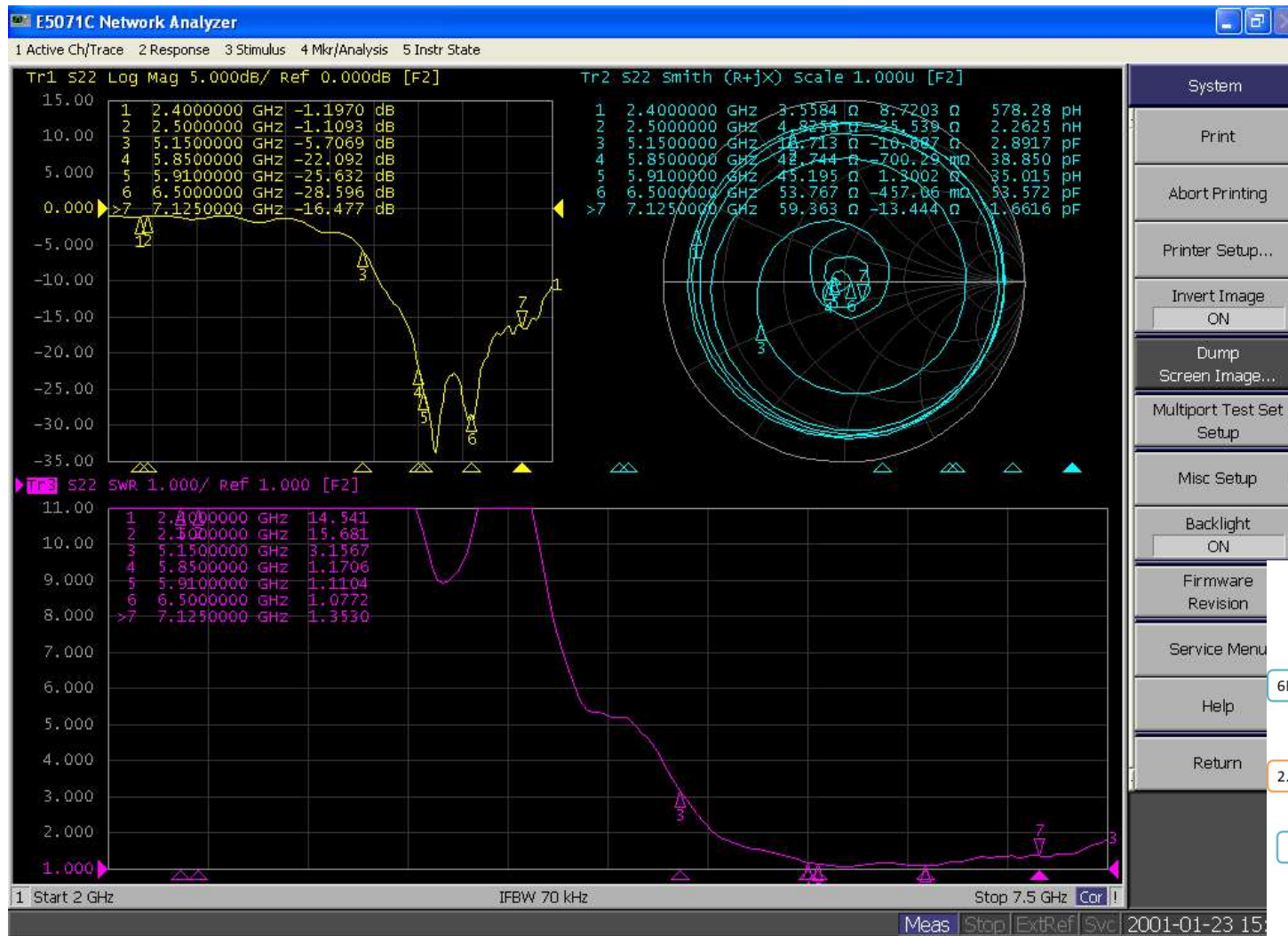
Return Loss

6E-ANT2



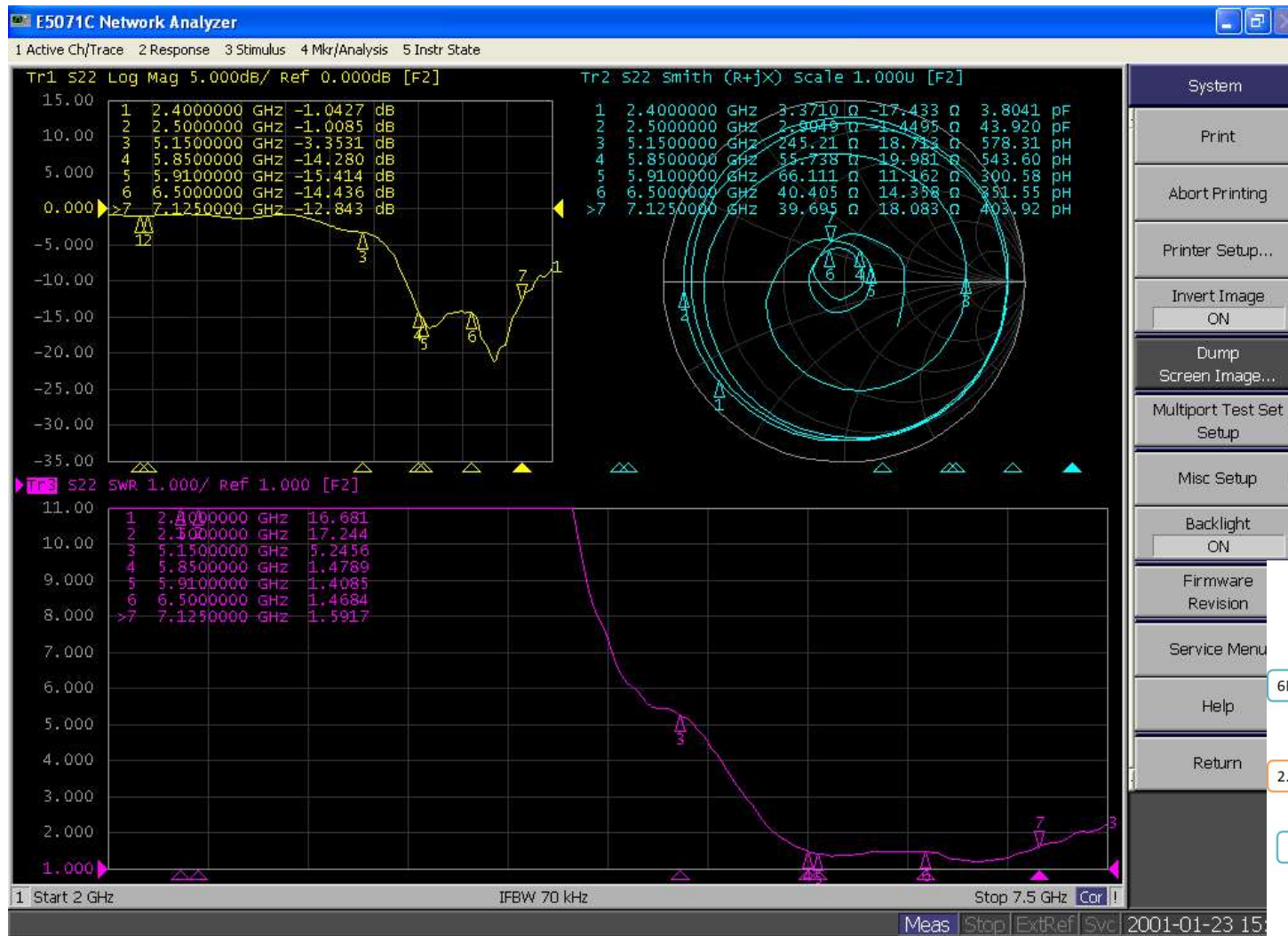
Return Loss

6E-ANT3



Return Loss

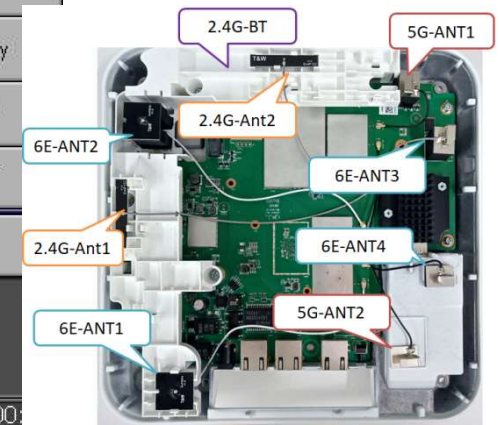
6E-ANT4



Isolation

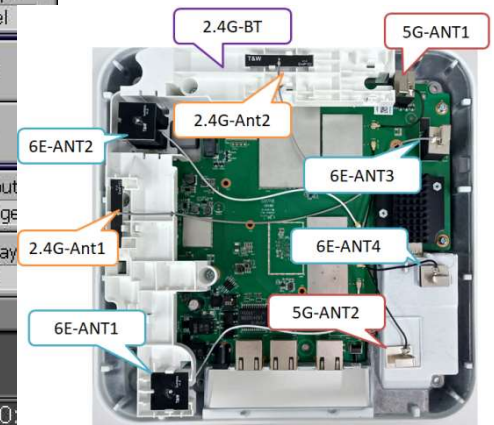
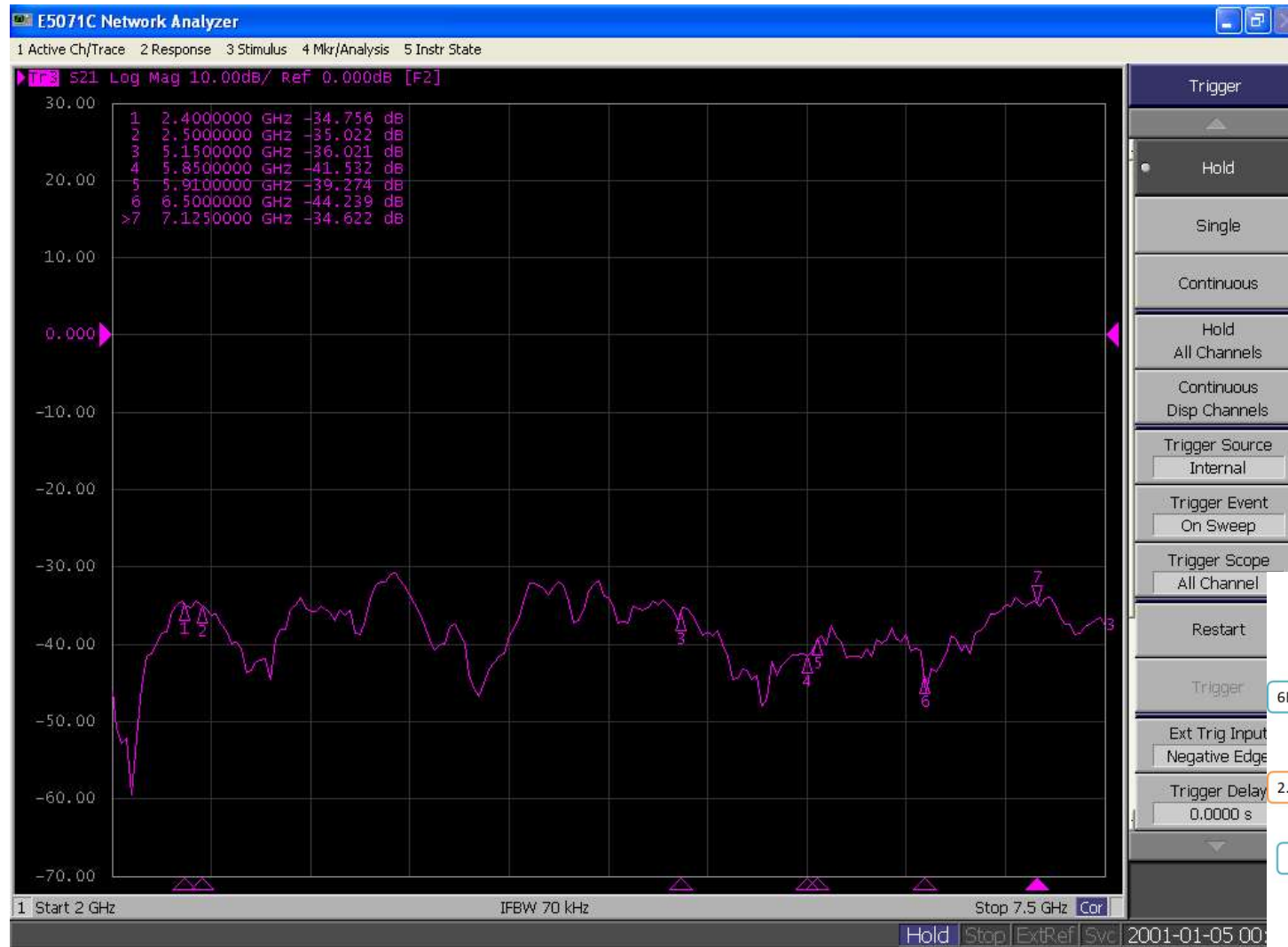


2.4G-ANT1&2.4G-ANT2



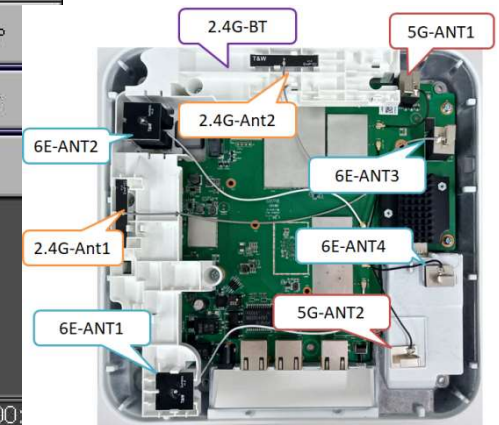
Isolation

2.4G-ANT1&5G-ANT1



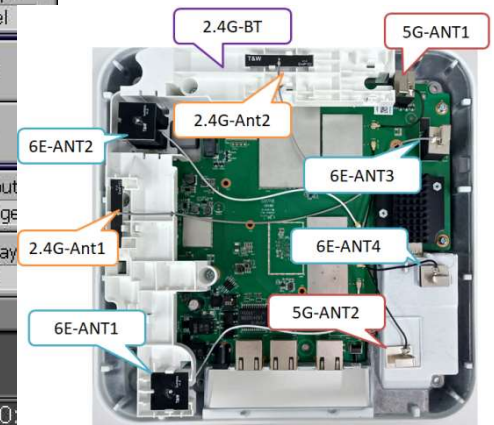
Isolation

2.4G-ANT1&5G-ANT2



Isolation

2.4G-ANT1&6E-ANT1



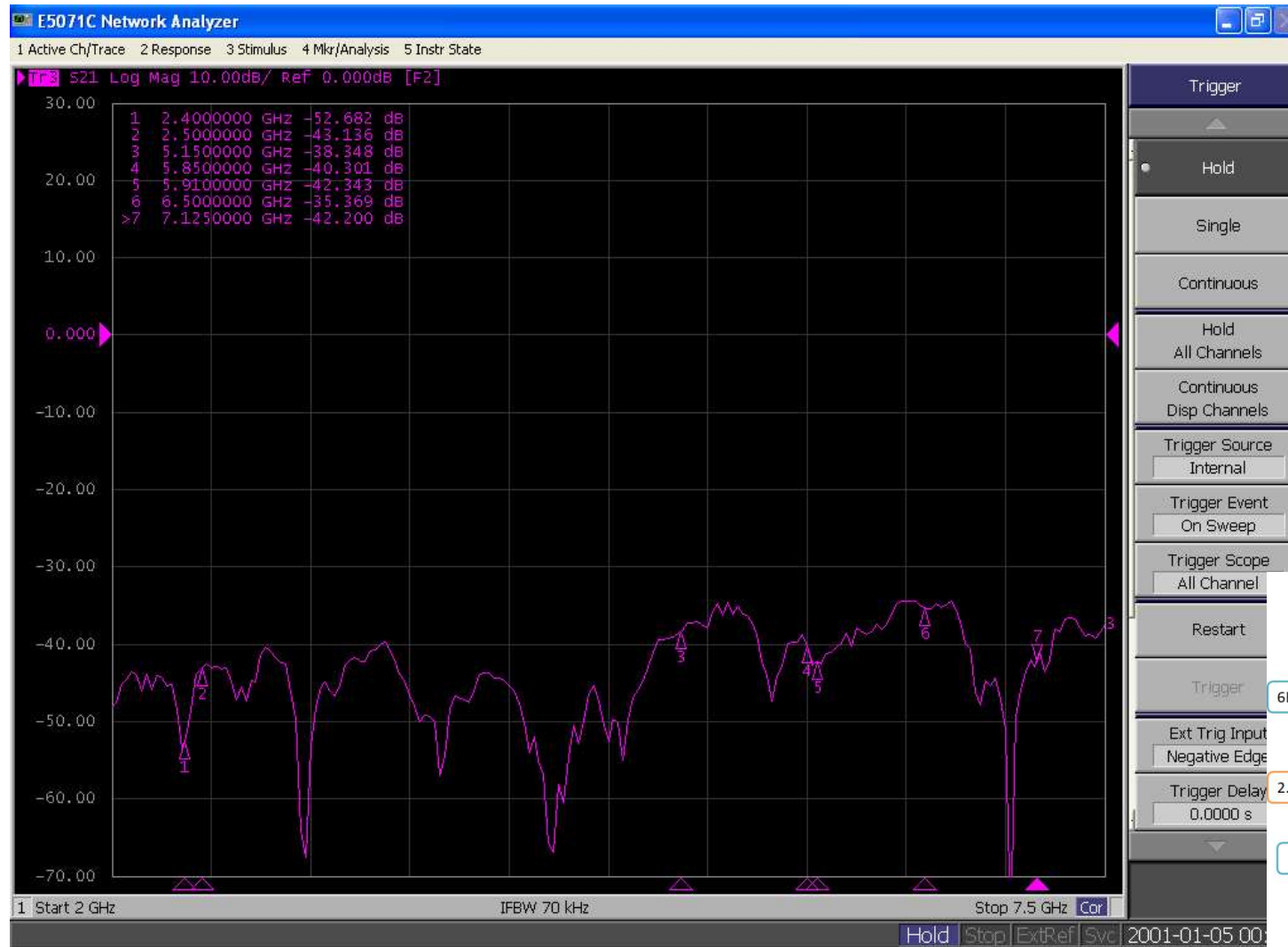
Isolation

2.4G-ANT1&6E-ANT2



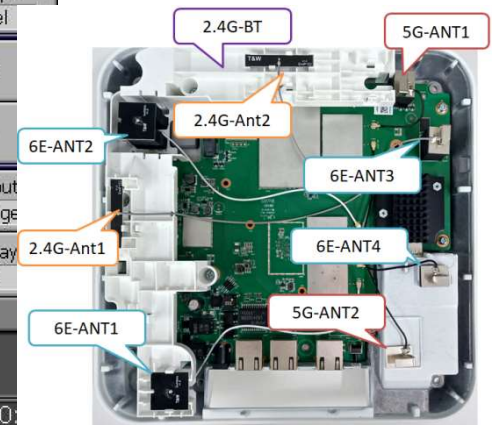
Isolation

2.4G-ANT1&6E-ANT3



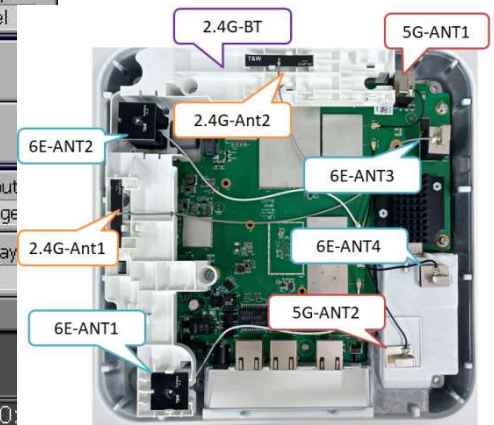
Isolation

2.4G-ANT1&6E-ANT4



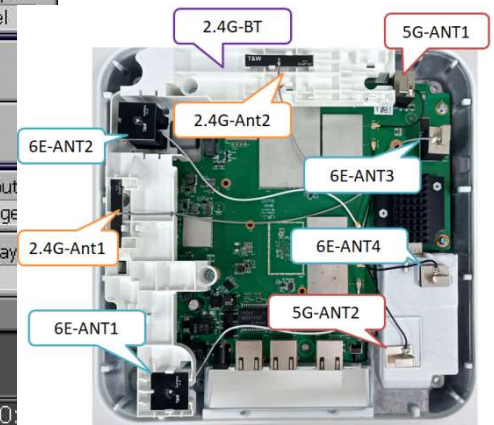
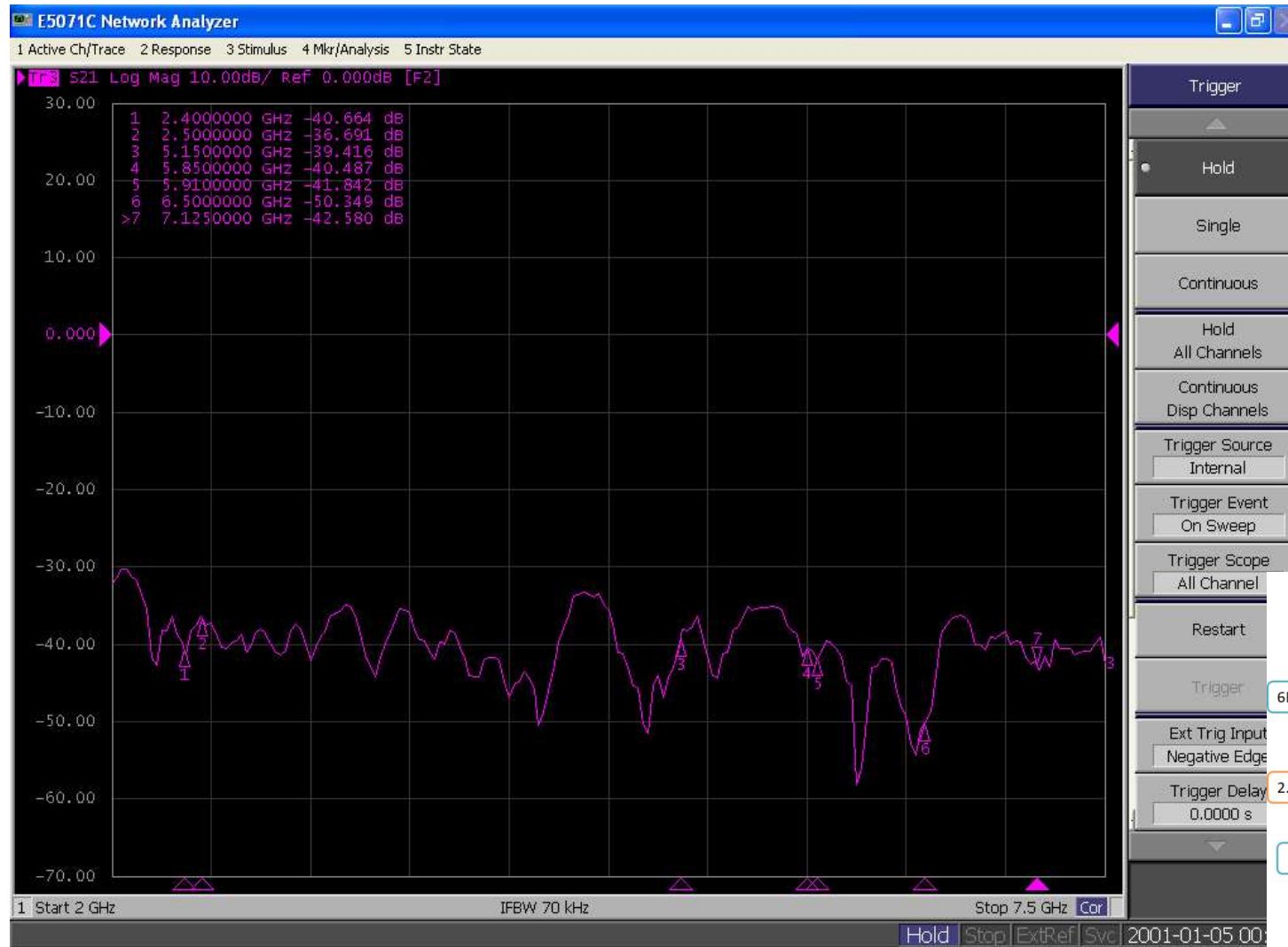
Isolation

2.4G-ANT2&5G-ANT1



Isolation

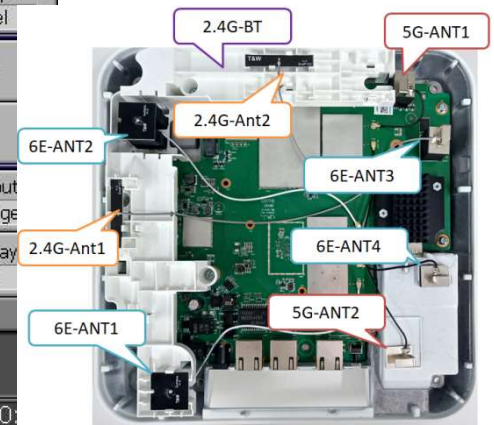
2.4G-ANT2&5G-ANT2



Isolation

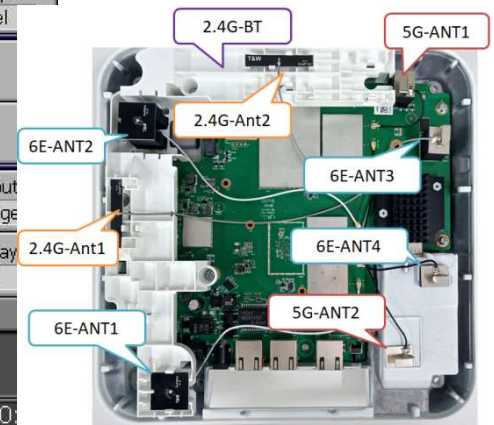


2.4G-ANT2&6E-ANT1



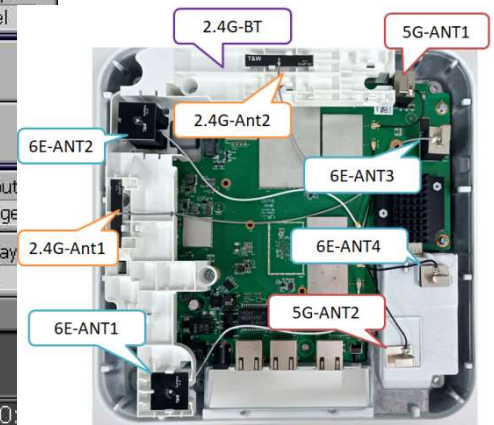
Isolation

2.4G-ANT2&6E-ANT2



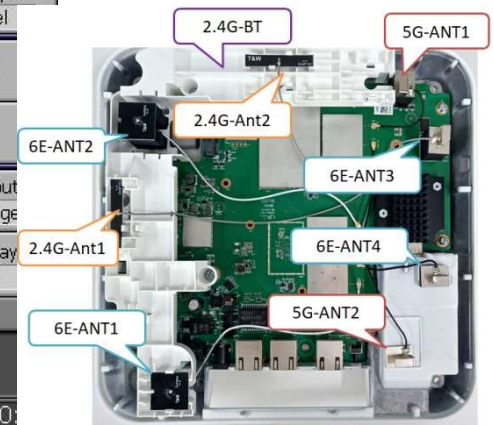
Isolation

2.4G-ANT2&6E-ANT3



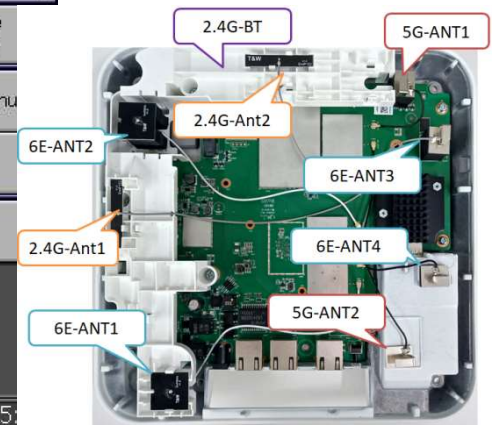
Isolation

2.4G-ANT2&6E-ANT4



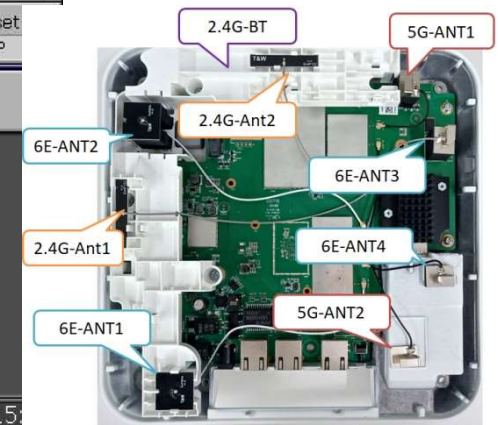
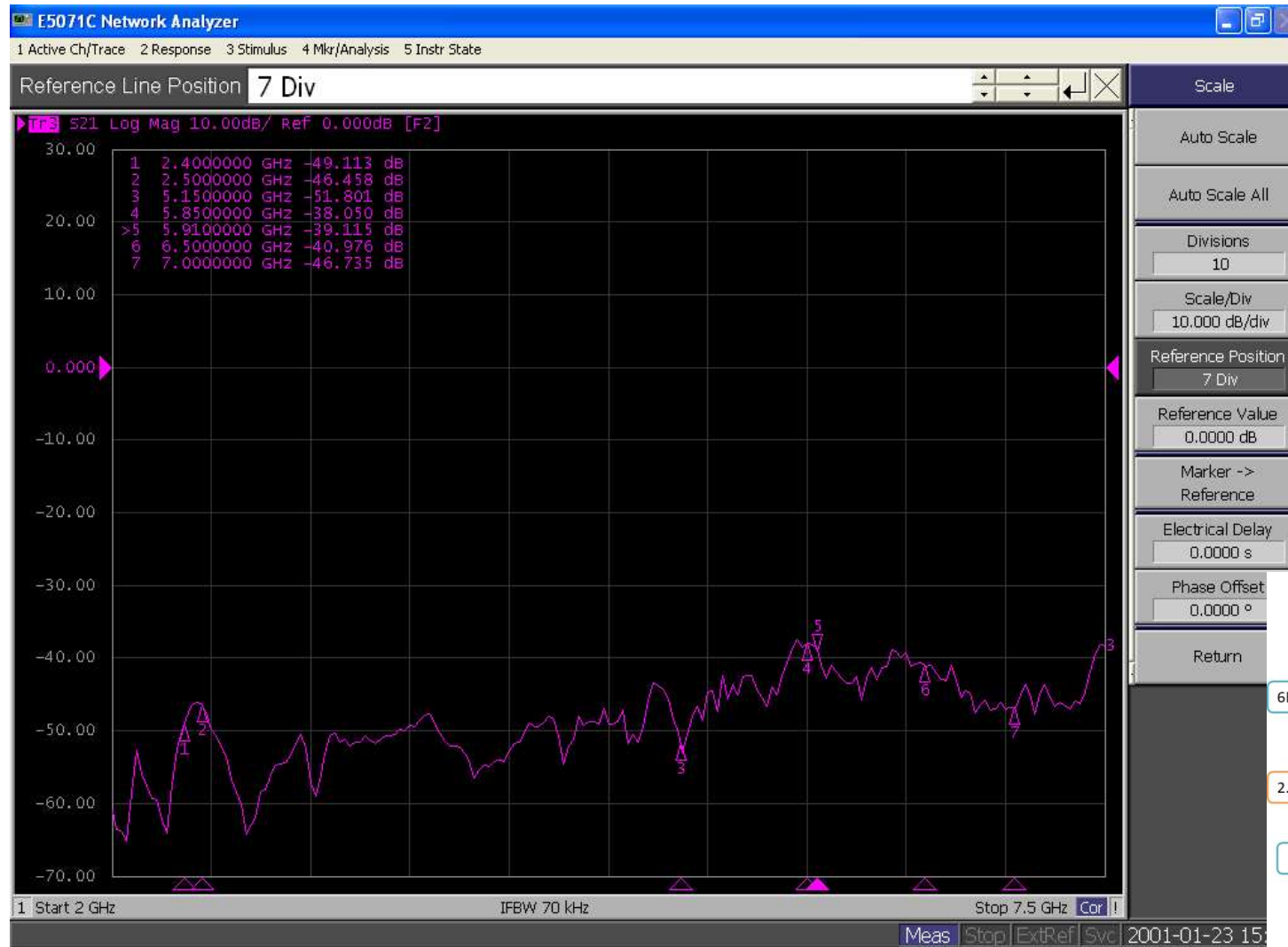
Isolation

5G-ANT1&5G-ANT2



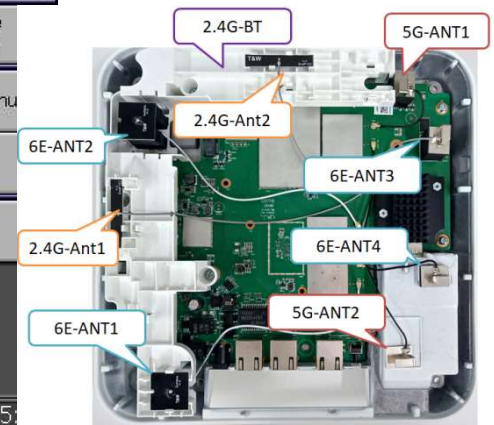
Isolation

5G-ANT1&6E-ANT1



Isolation

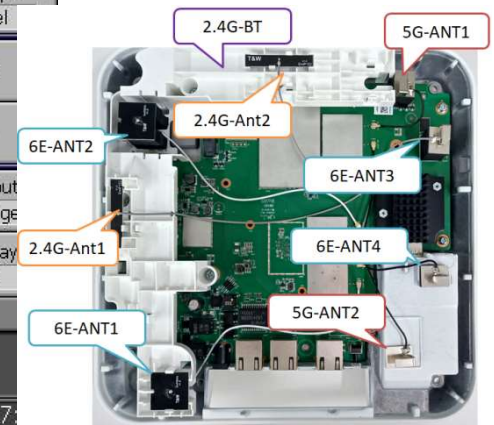
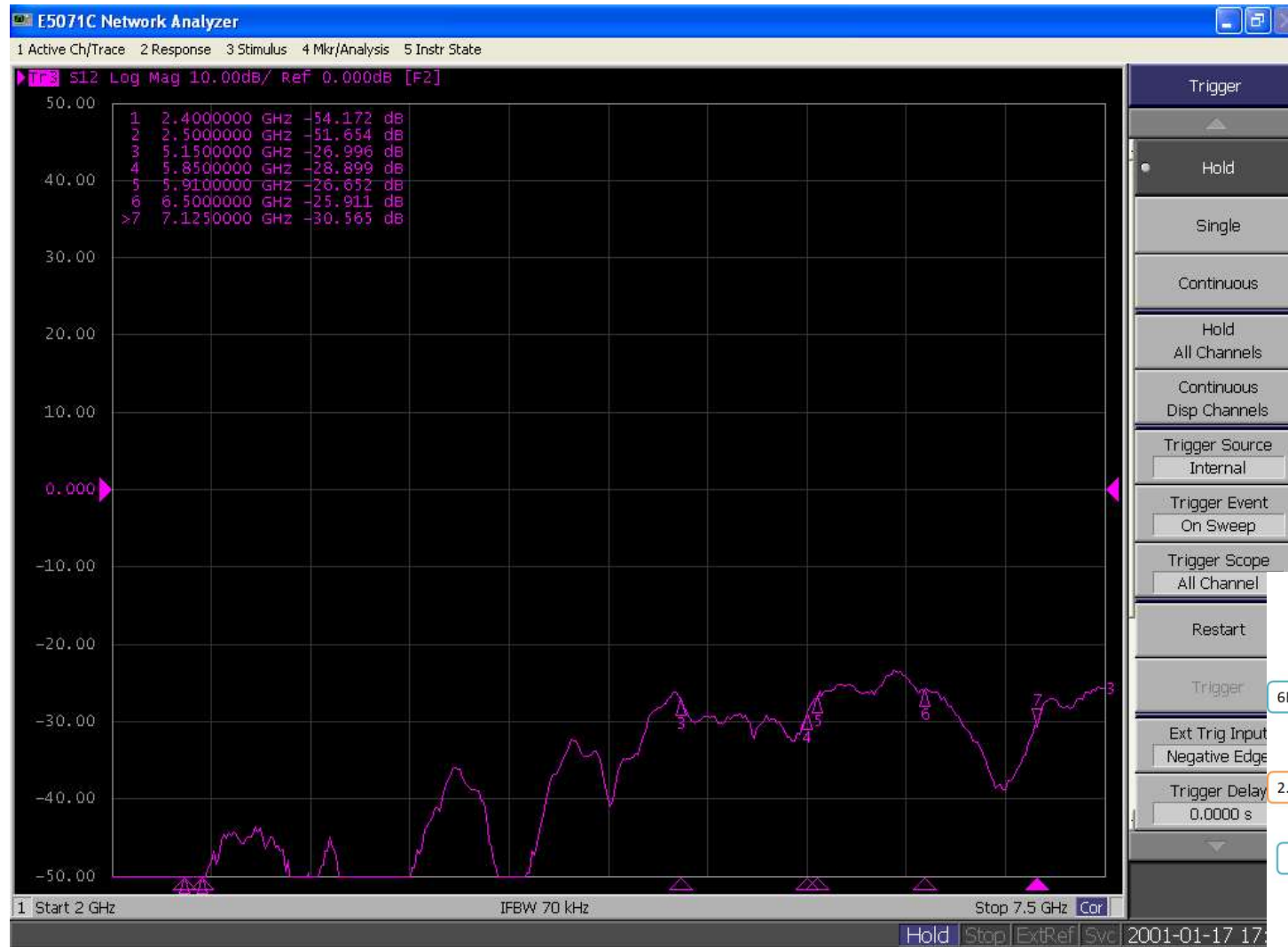
5G-ANT1&6E-ANT2



Isolation

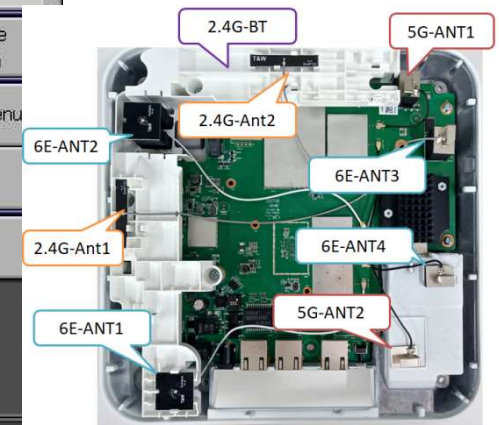
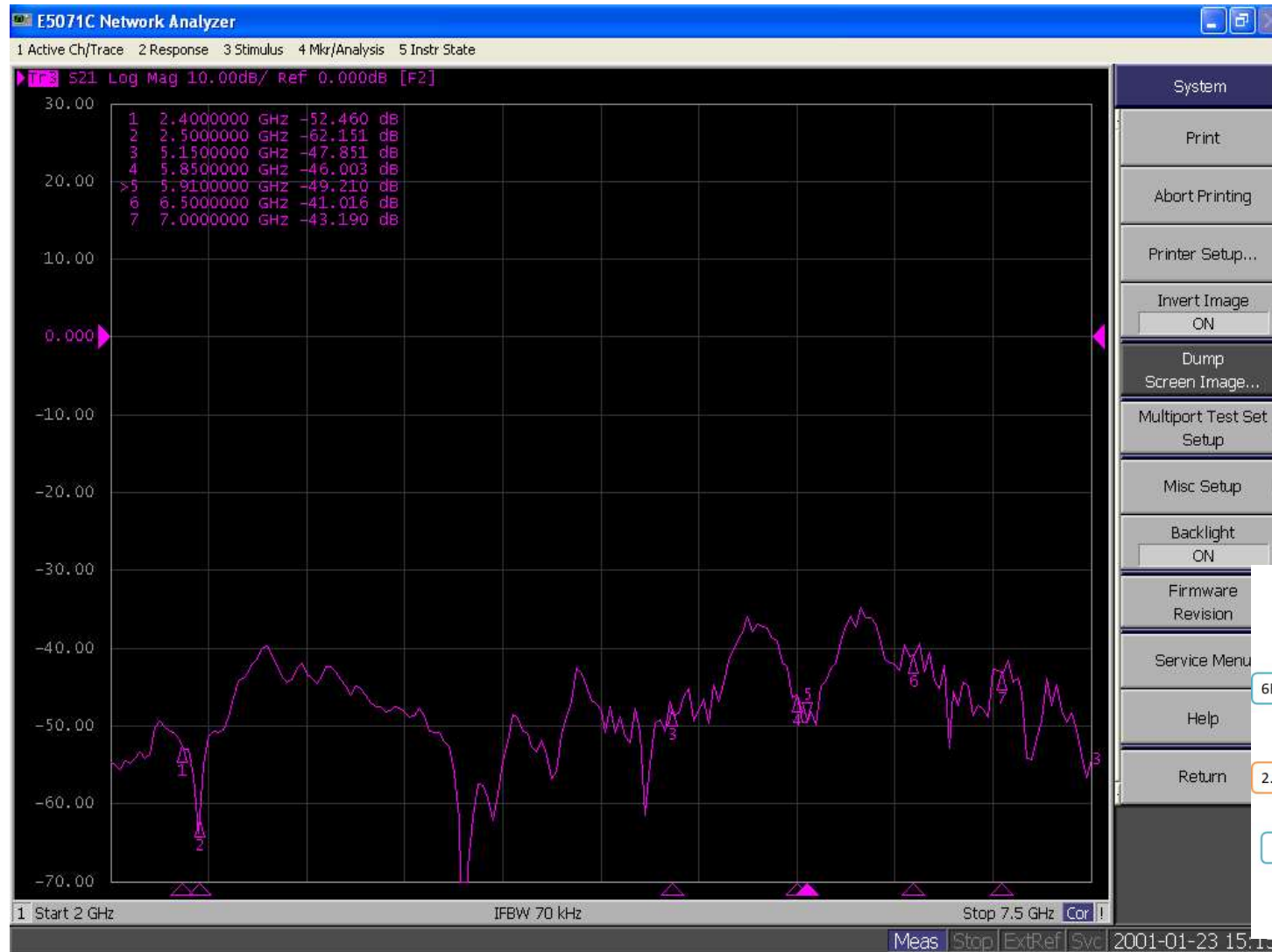


5G-ANT1&6E-ANT3



Isolation

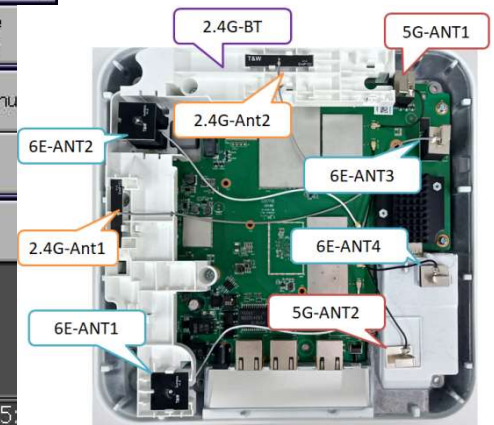
5G-ANT1&6E-ANT4



Isolation

T&W

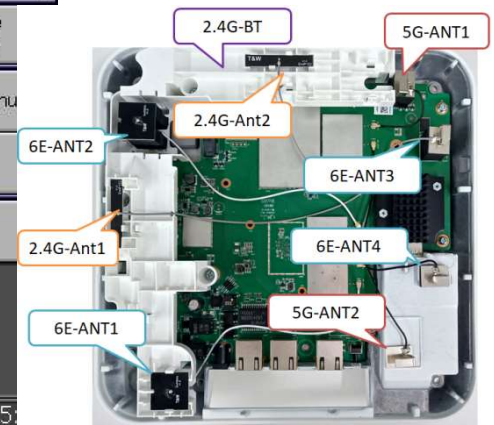
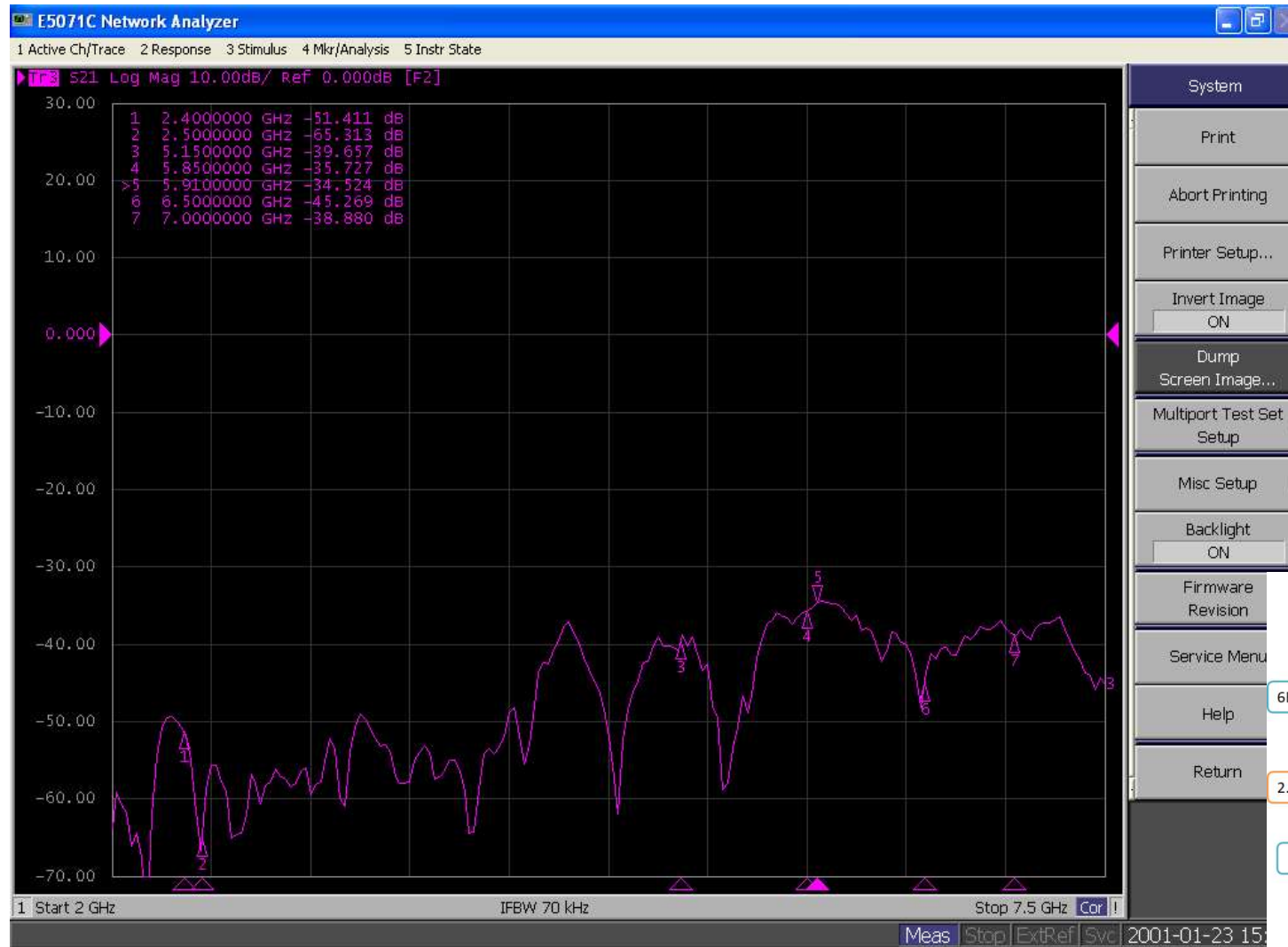
5G-ANT2&6E-ANT1



Isolation



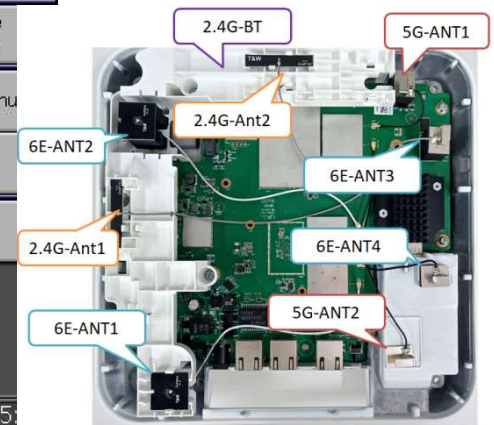
5G-ANT2&6E-ANT2



Isolation



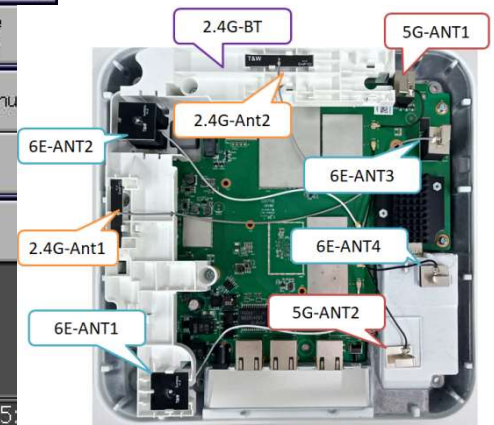
5G-ANT2&6E-ANT3



Isolation

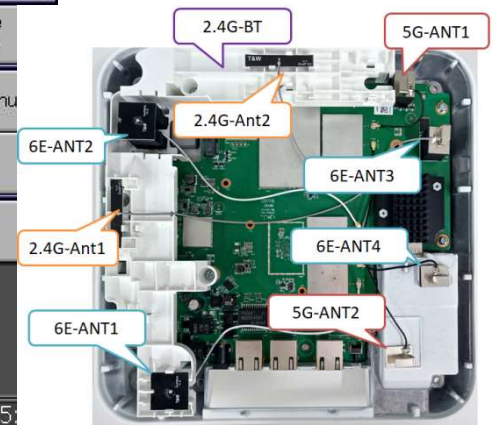


5G-ANT2&6E-ANT4



Isolation

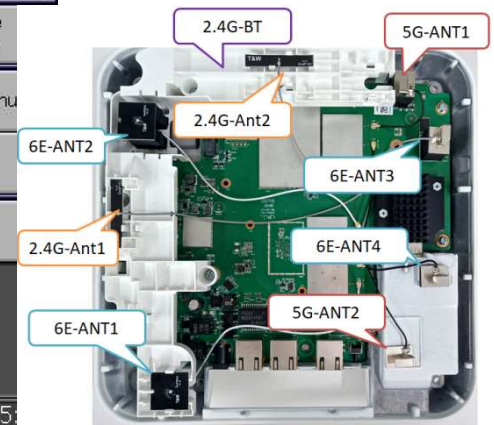
6E-ANT1&6E-ANT2



Isolation



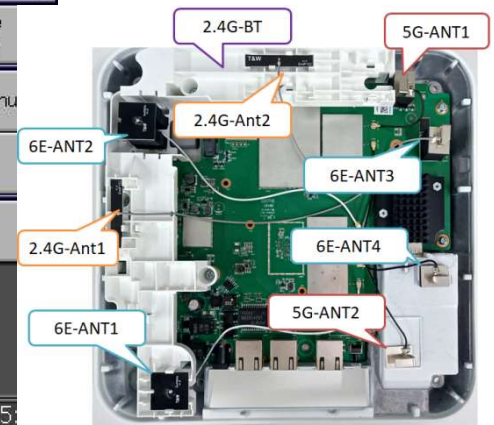
6E-ANT1&6E-ANT3



Isolation



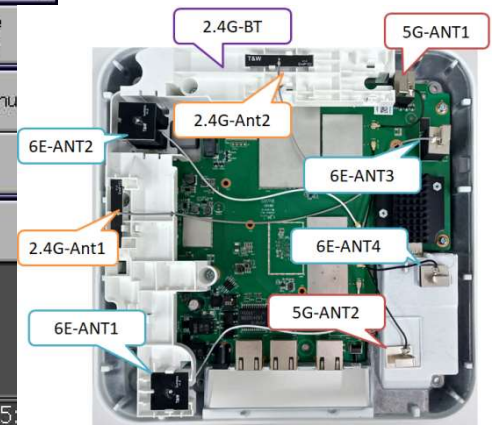
6E-ANT1&6E-ANT4



Isolation



6E-ANT2&6E-ANT3



Isolation



6E-ANT2&6E-ANT4

