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.

Copyright 2023,T&W, Inc., All Rights Reserved

Wen
2023-11-07

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

T&W

CONTENTS

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

PROPRIETARY AND CONFIDENTIAL

Purpose & Environment

T&W

Purpose

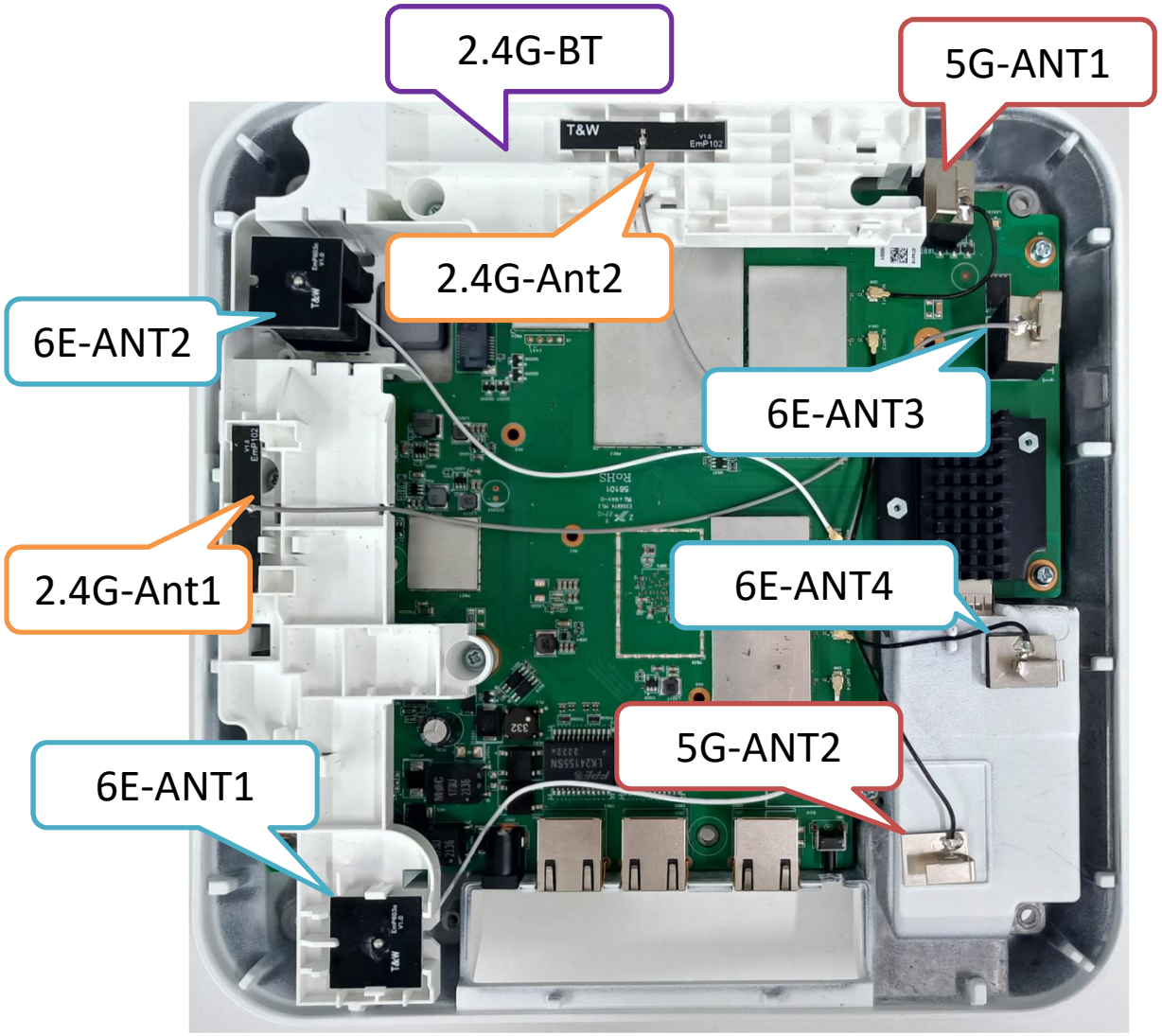
- Meet the electrical performance index ;
- Confirm the antenna scheme to meet the design requirements;

Environment

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

PROPRIETARY AND CONFIDENTIAL

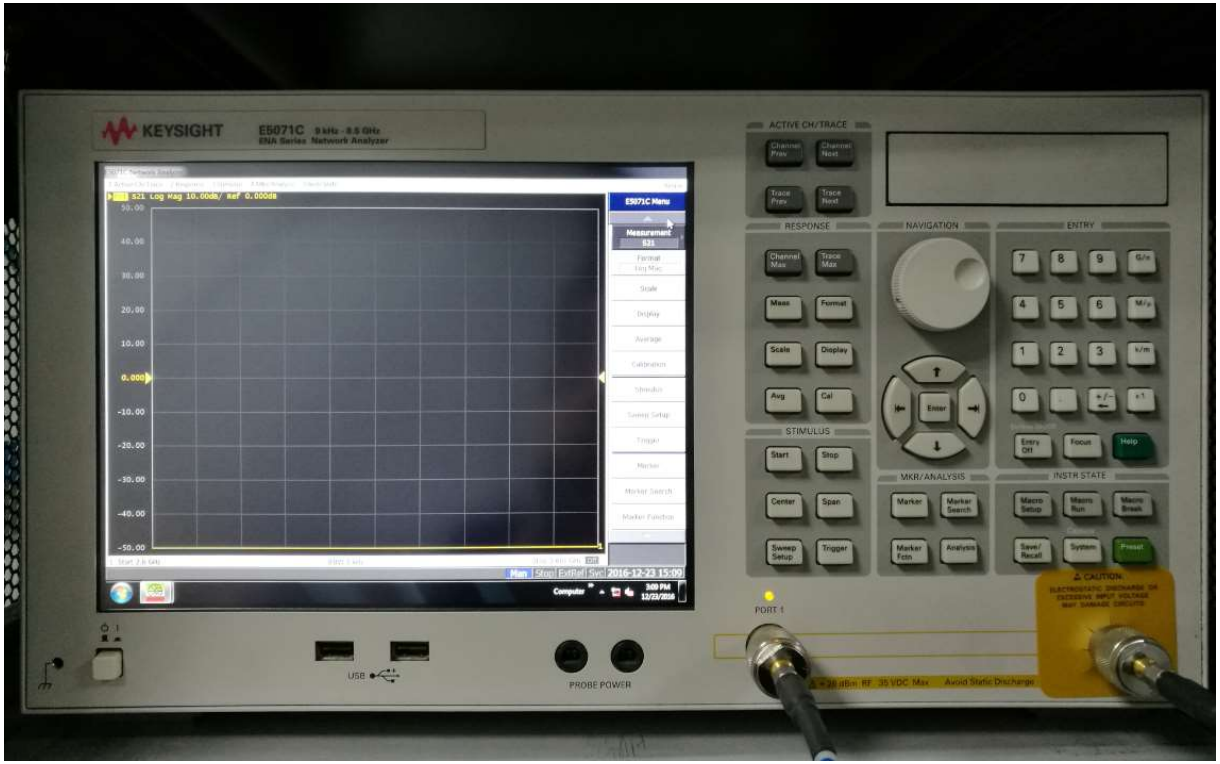
DUT Antenna



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

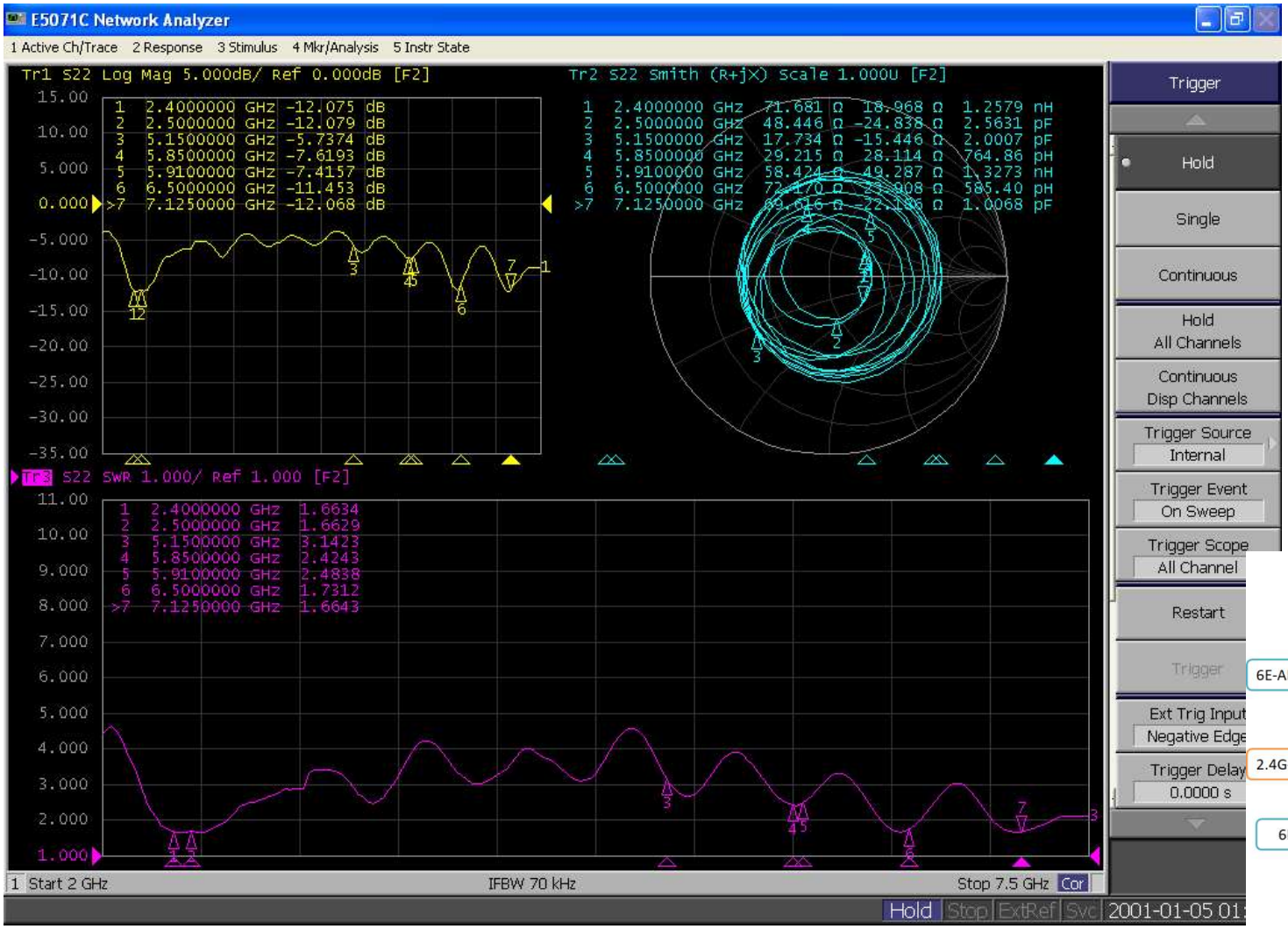


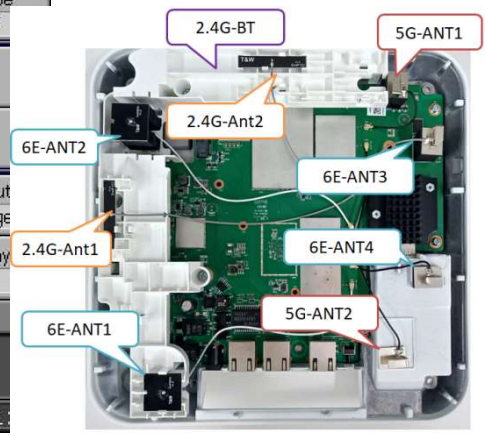
The network Analyzer

PROPRIETARY AND CONFIDENTIAL

Return Loss

2.4G-ANT1

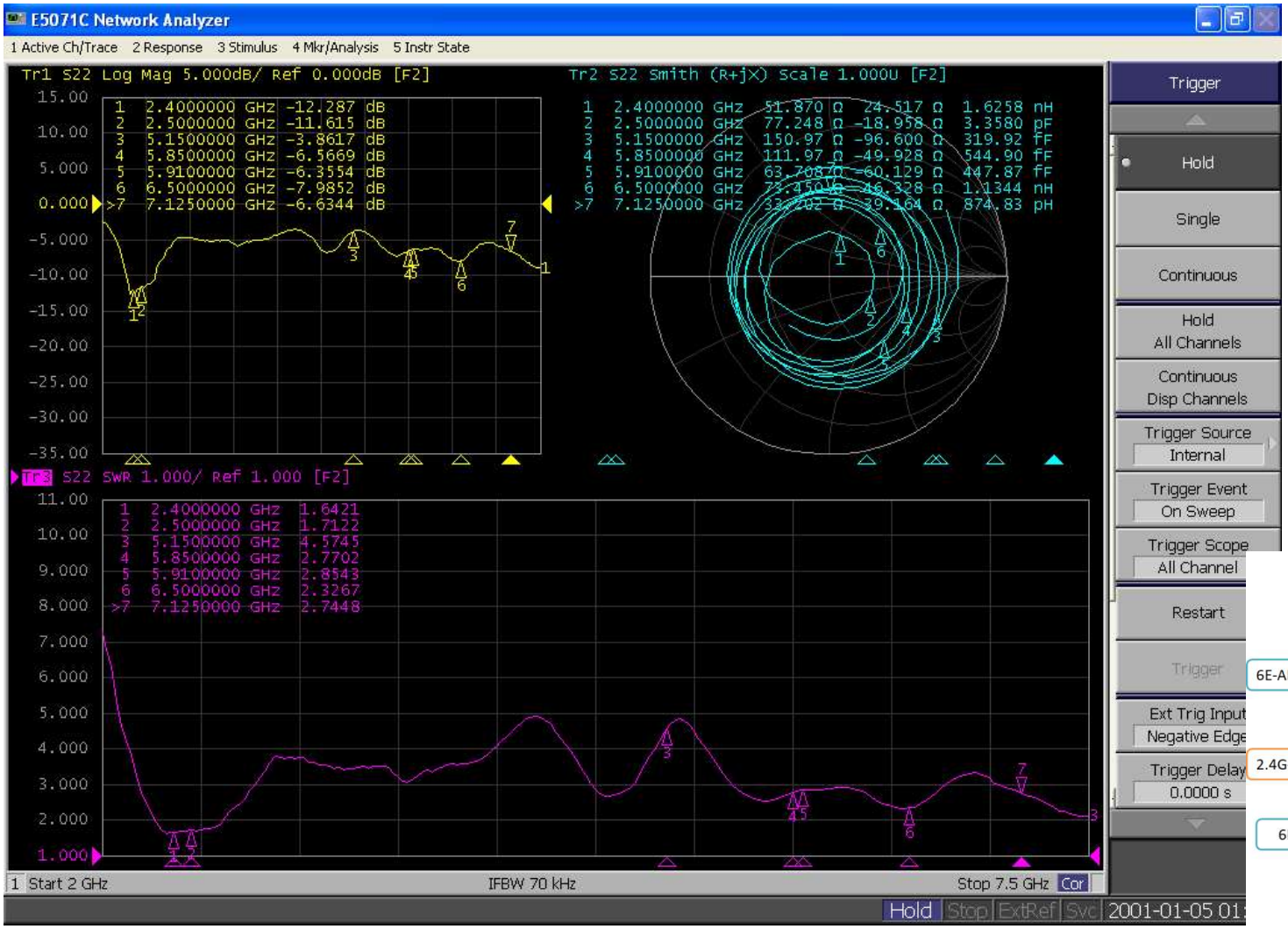


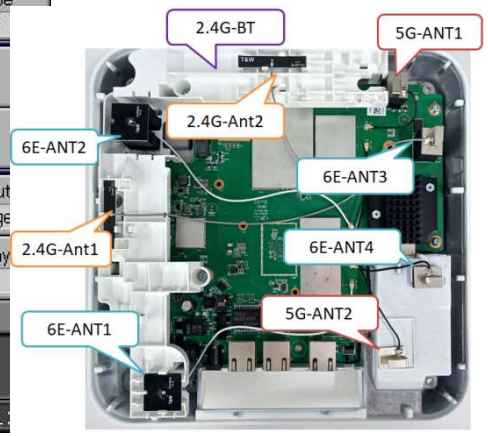


PROPRIETARY AND CONFIDENTIAL

Return Loss

2.4G-ANT2

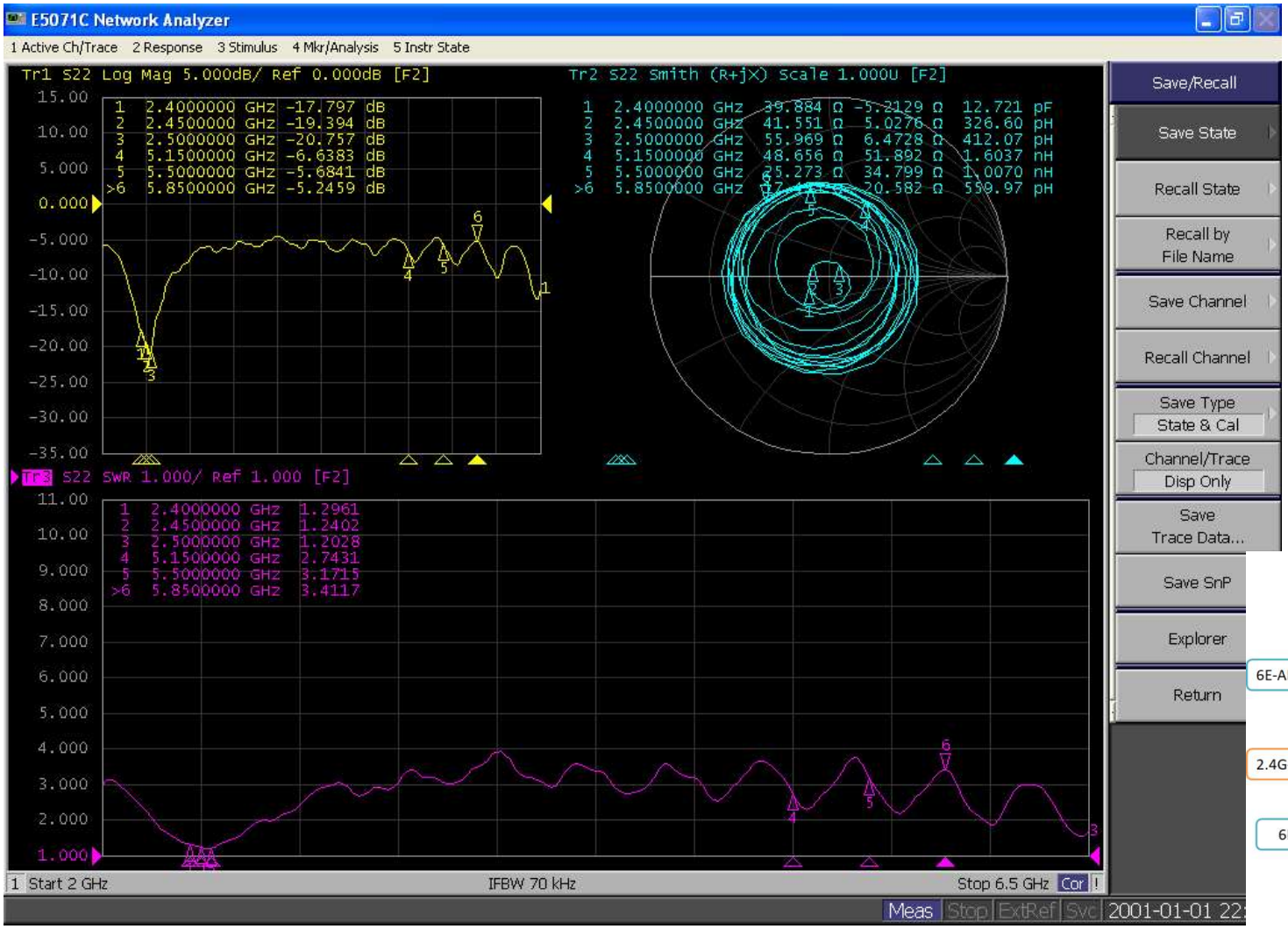


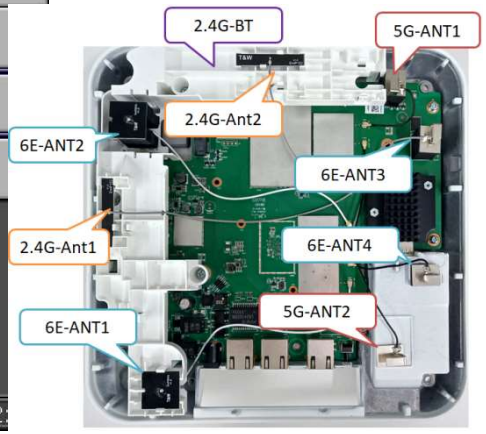


PROPRIETARY AND CONFIDENTIAL

Return Loss

2.4G-BT

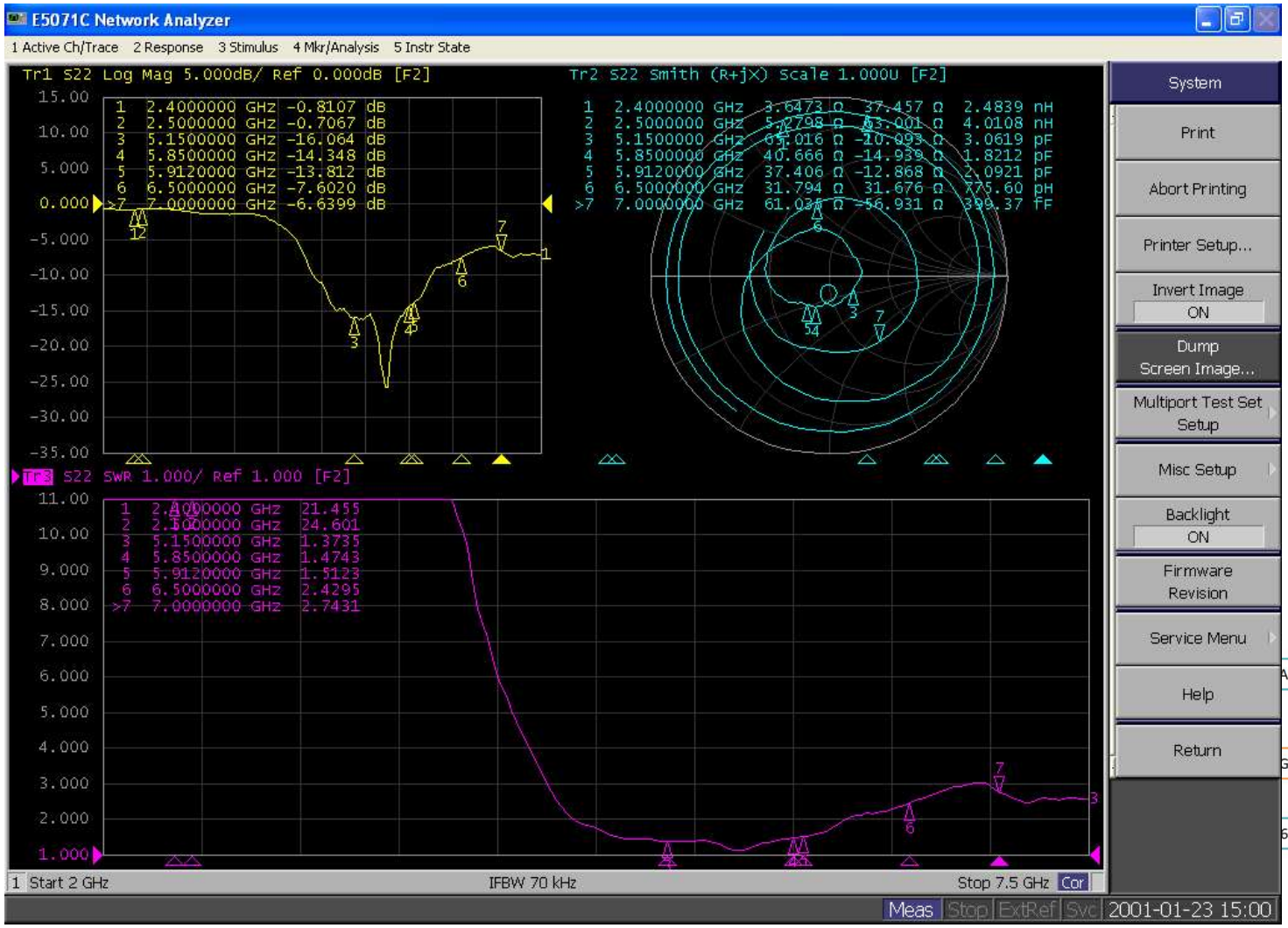


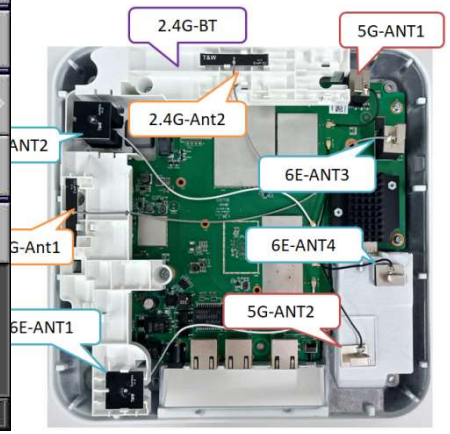


PROPRIETARY AND CONFIDENTIAL

Return Loss

5G-ANT1

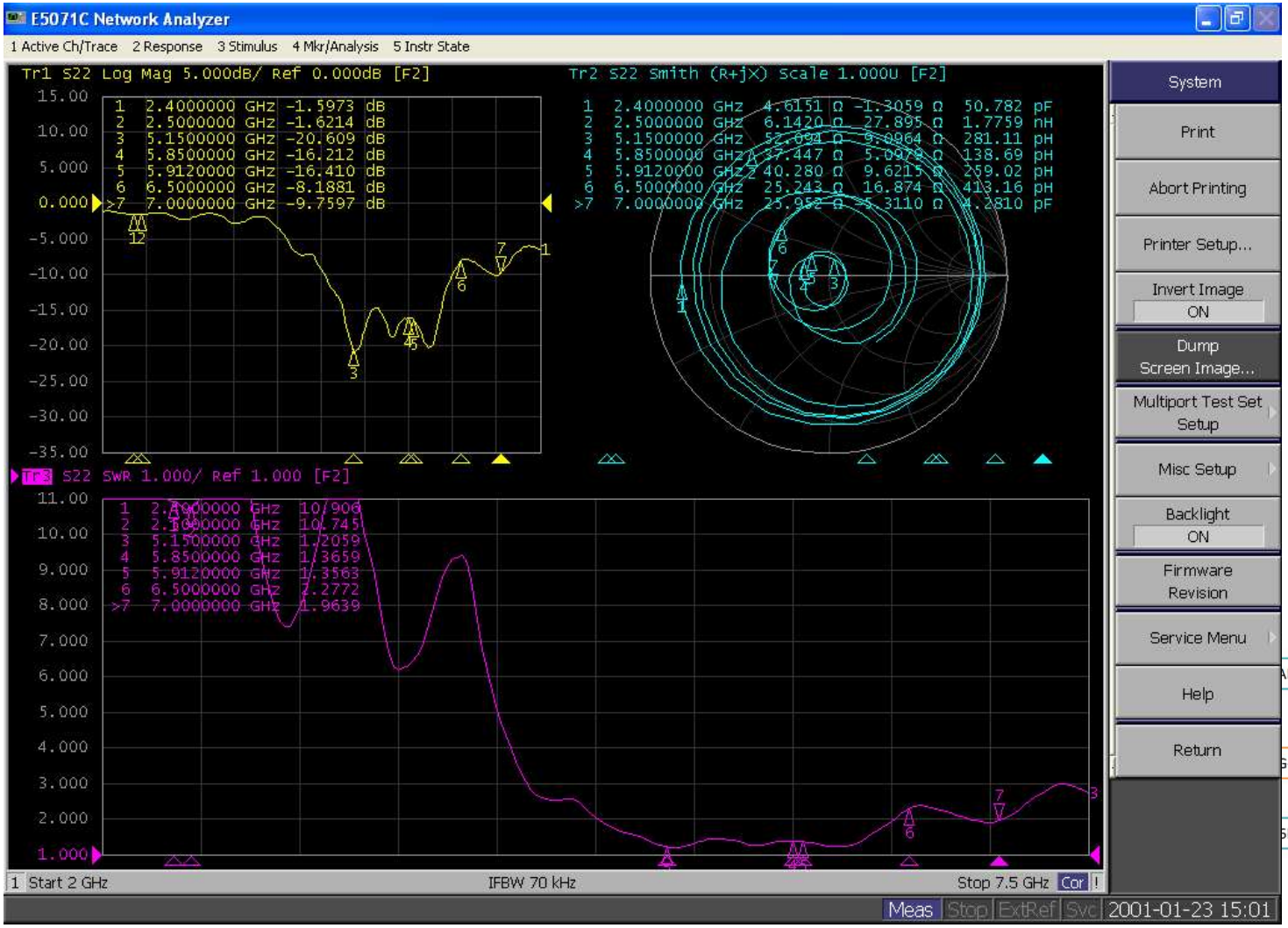


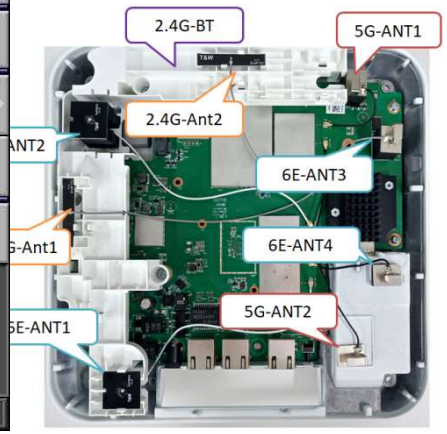


PROPRIETARY AND CONFIDENTIAL

Return Loss

5G-ANT2

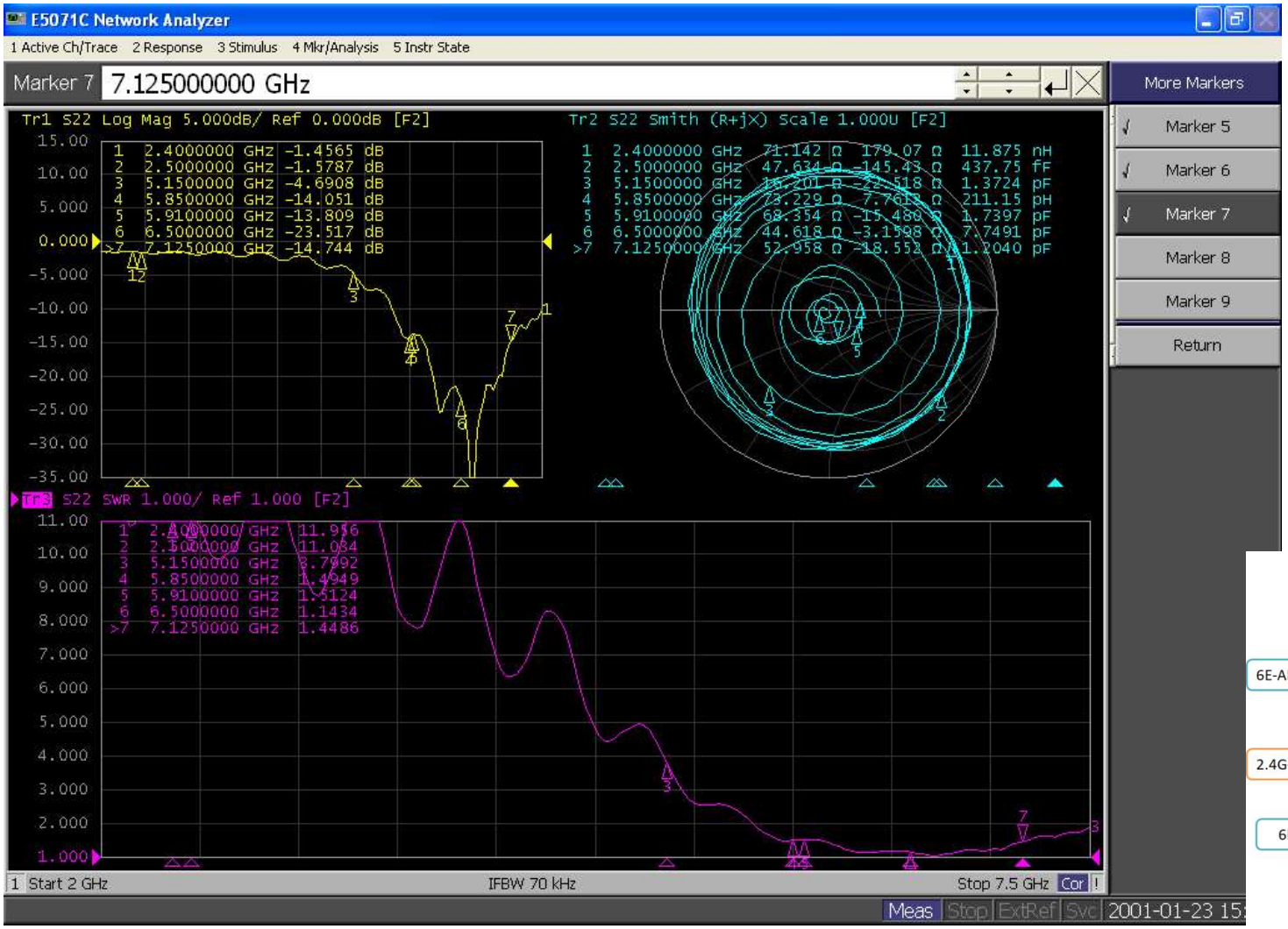


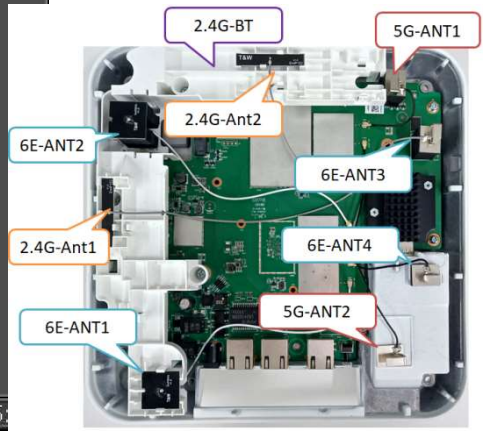


PROPRIETARY AND CONFIDENTIAL

Return Loss

6E-ANT1

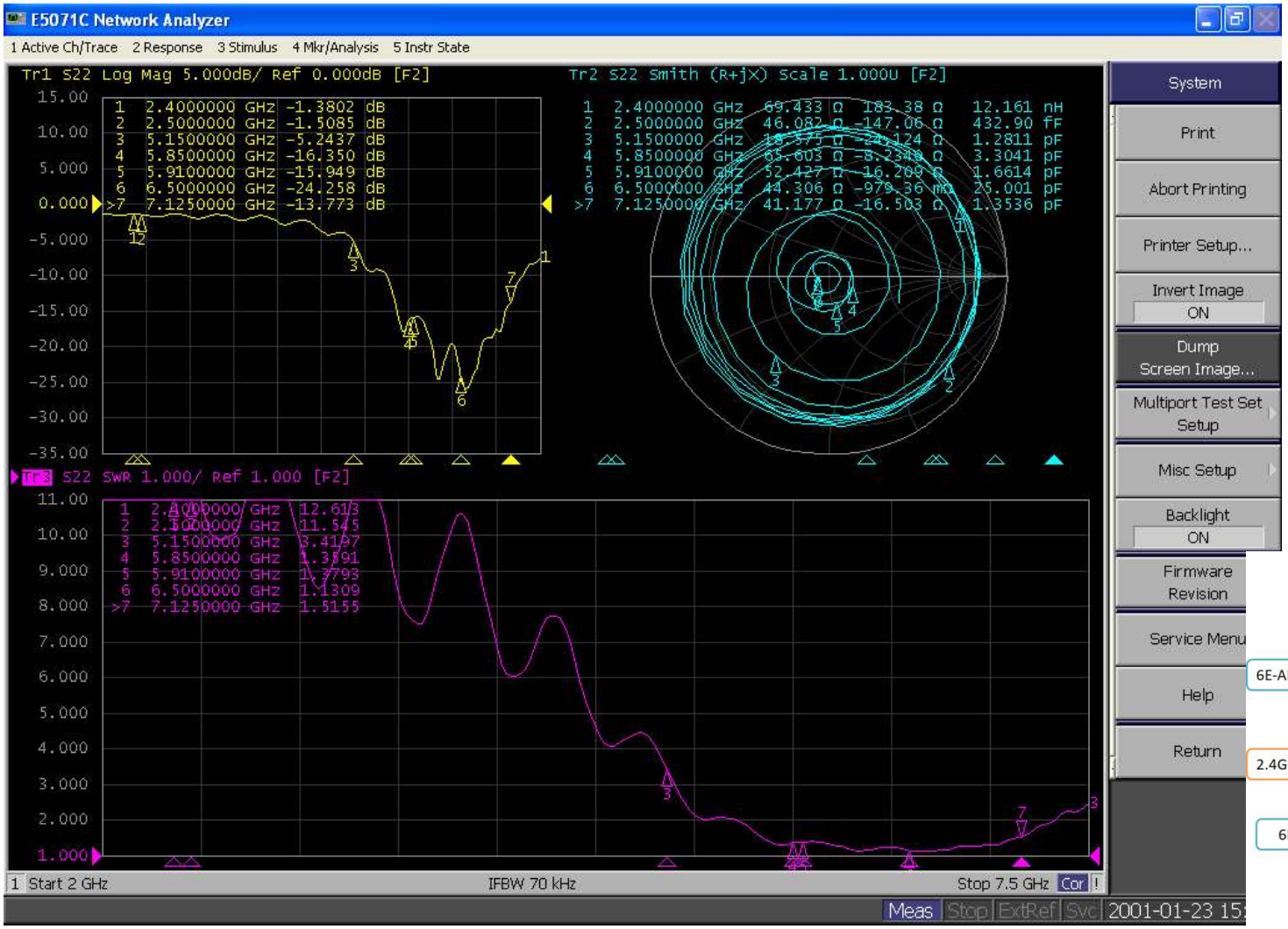


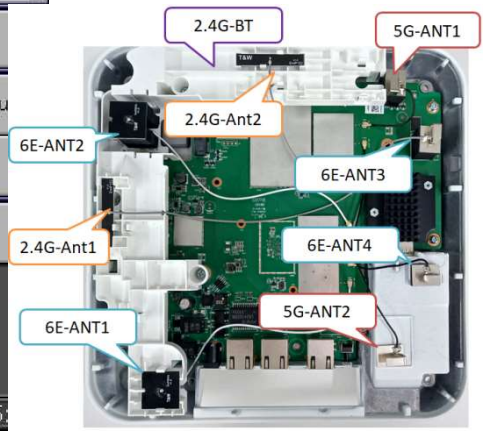


PROPRIETARY AND CONFIDENTIAL

Return Loss

6E-ANT2

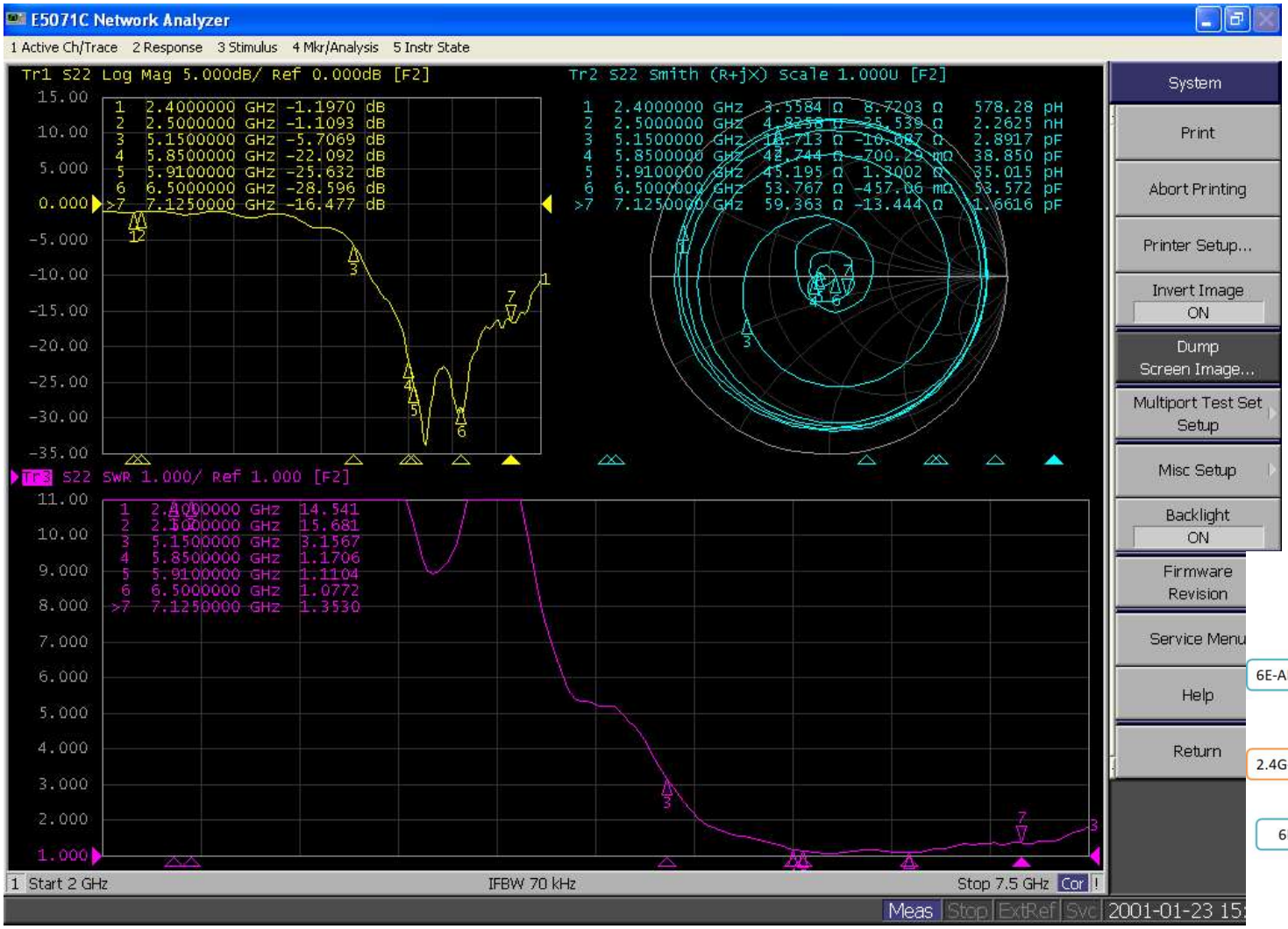


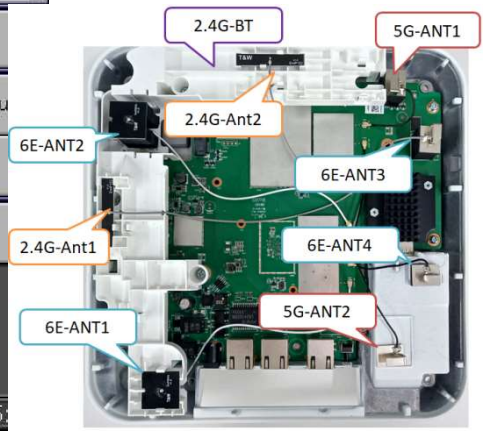


PROPRIETARY AND CONFIDENTIAL

Return Loss

6E-ANT3

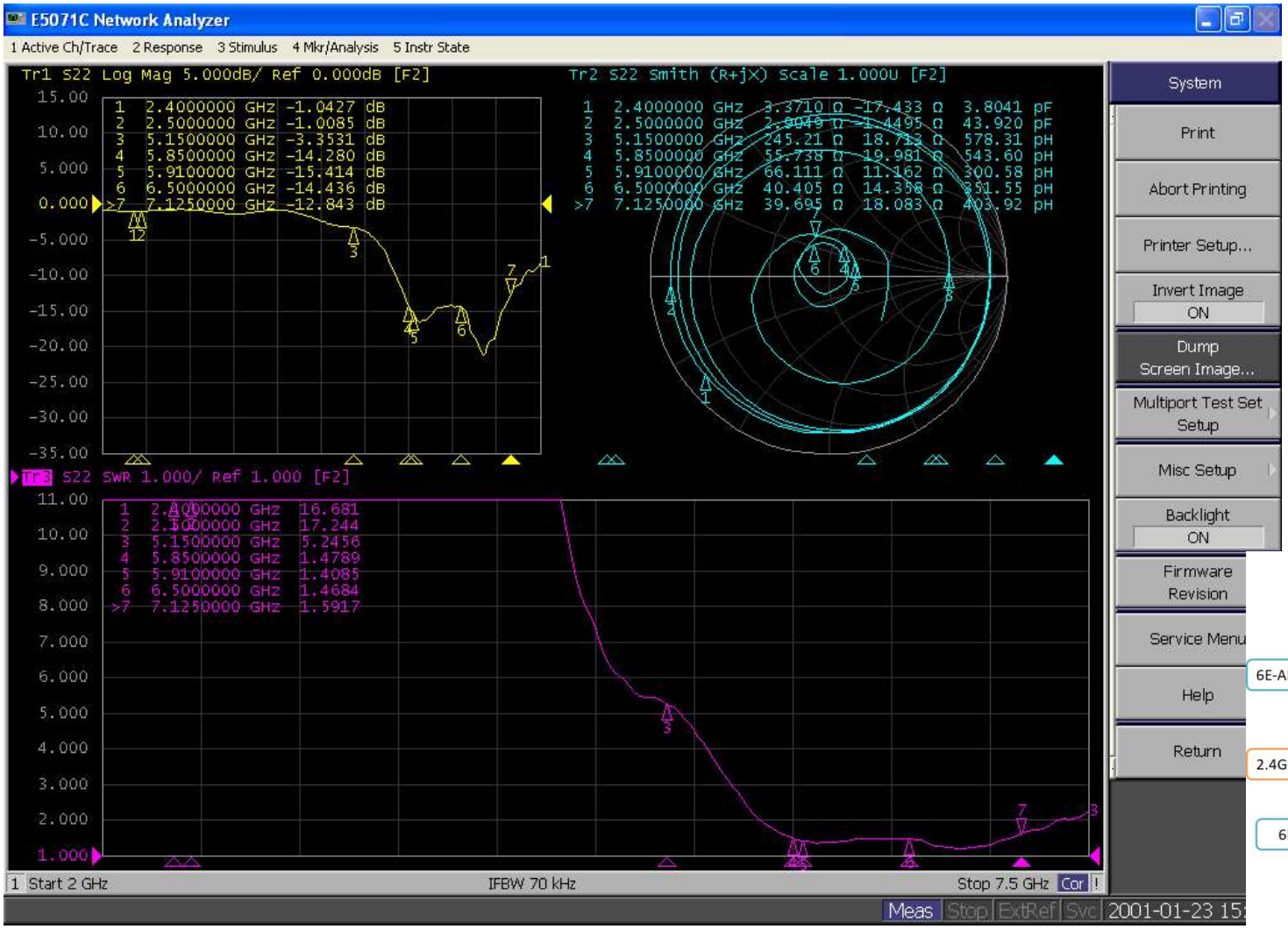


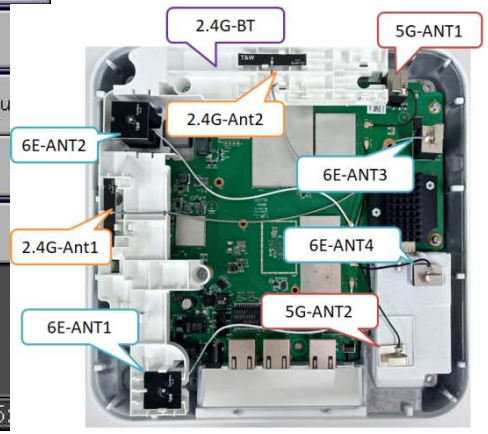


PROPRIETARY AND CONFIDENTIAL

Return Loss

6E-ANT4

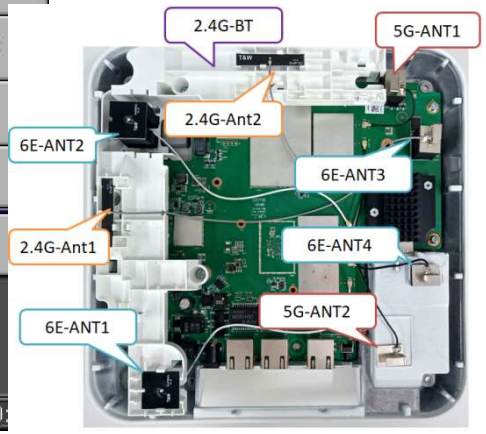




PROPRIETARY AND CONFIDENTIAL

Isolation

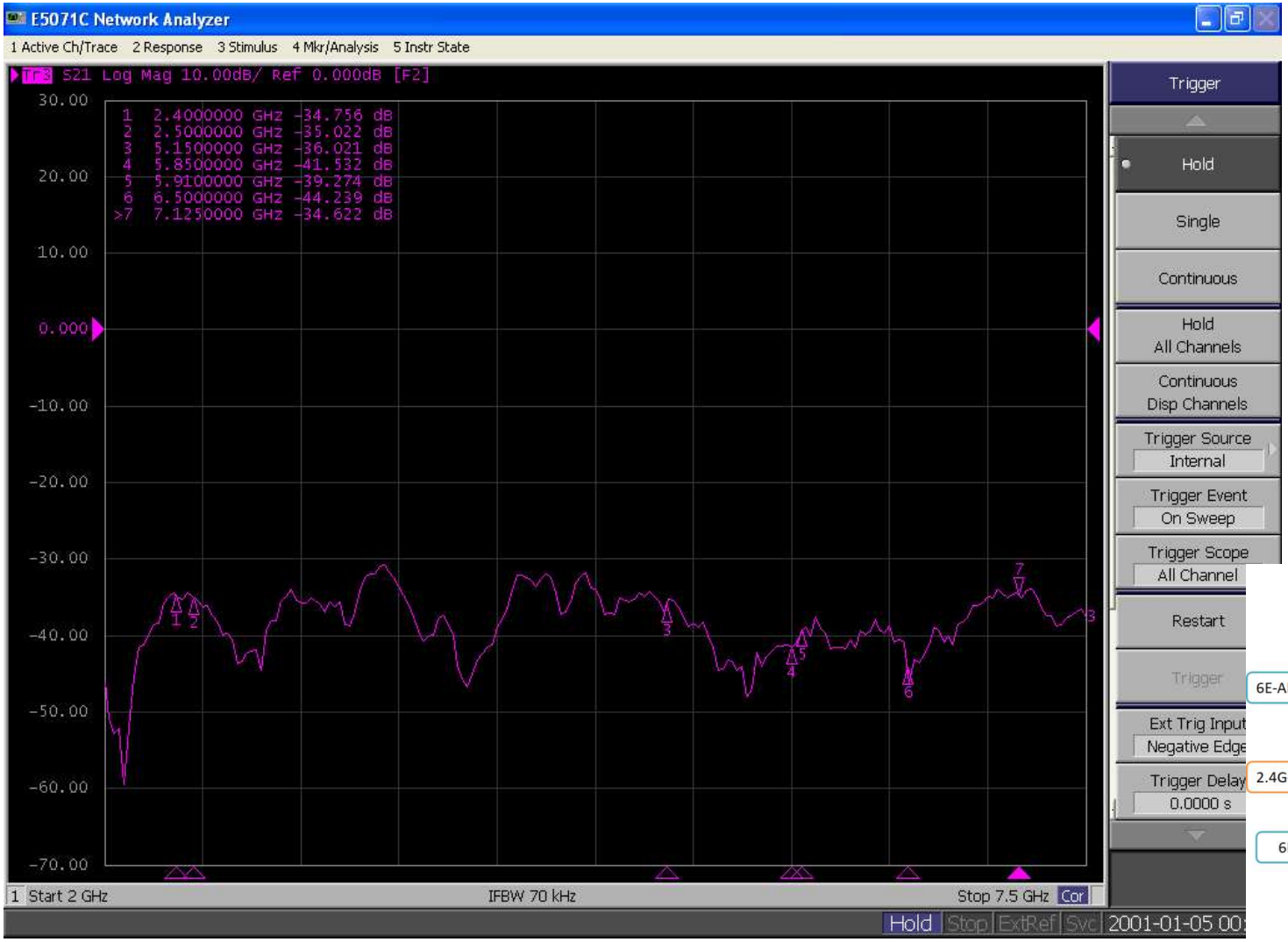
2.4G-ANT1&2.4G-ANT2

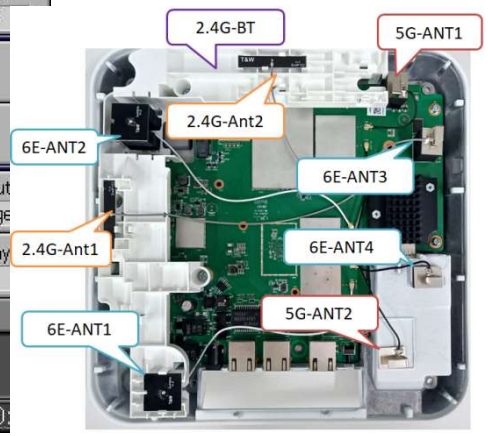


PROPRIETARY AND CONFIDENTIAL

Isolation

2.4G-ANT1&5G-ANT1

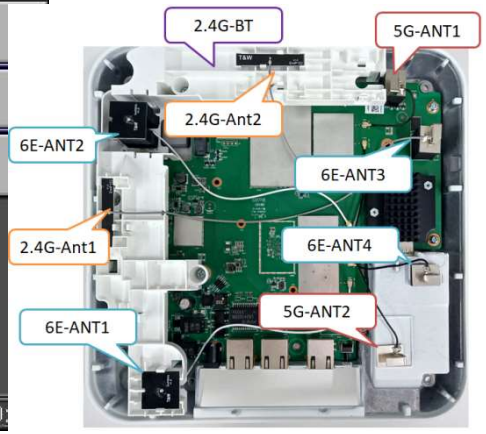




PROPRIETARY AND CONFIDENTIAL

Isolation

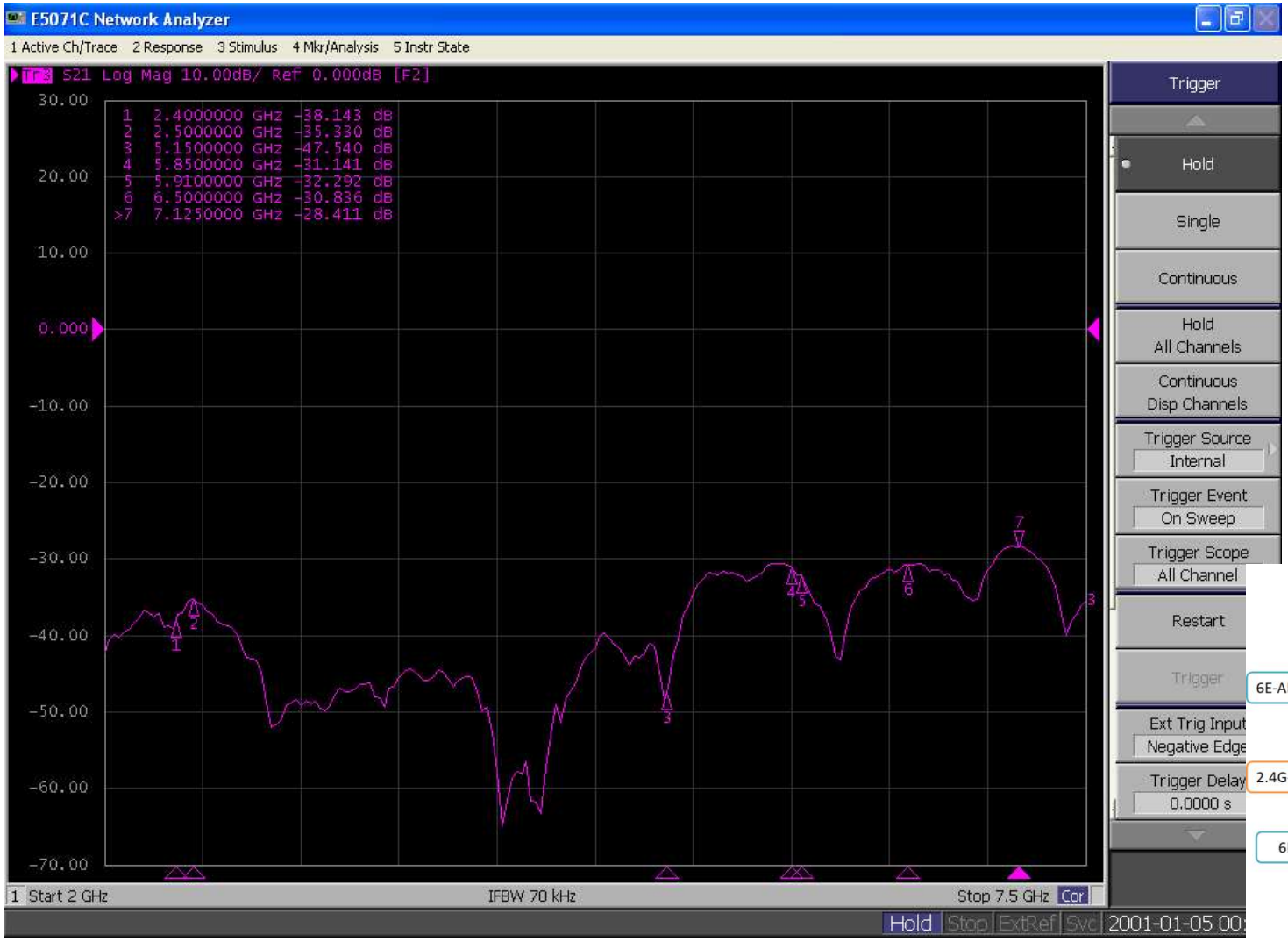
2.4G-ANT1&5G-ANT2

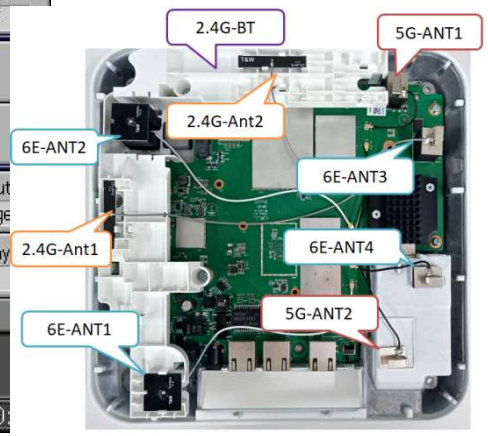


PROPRIETARY AND CONFIDENTIAL

Isolation

2.4G-ANT1&6E-ANT1

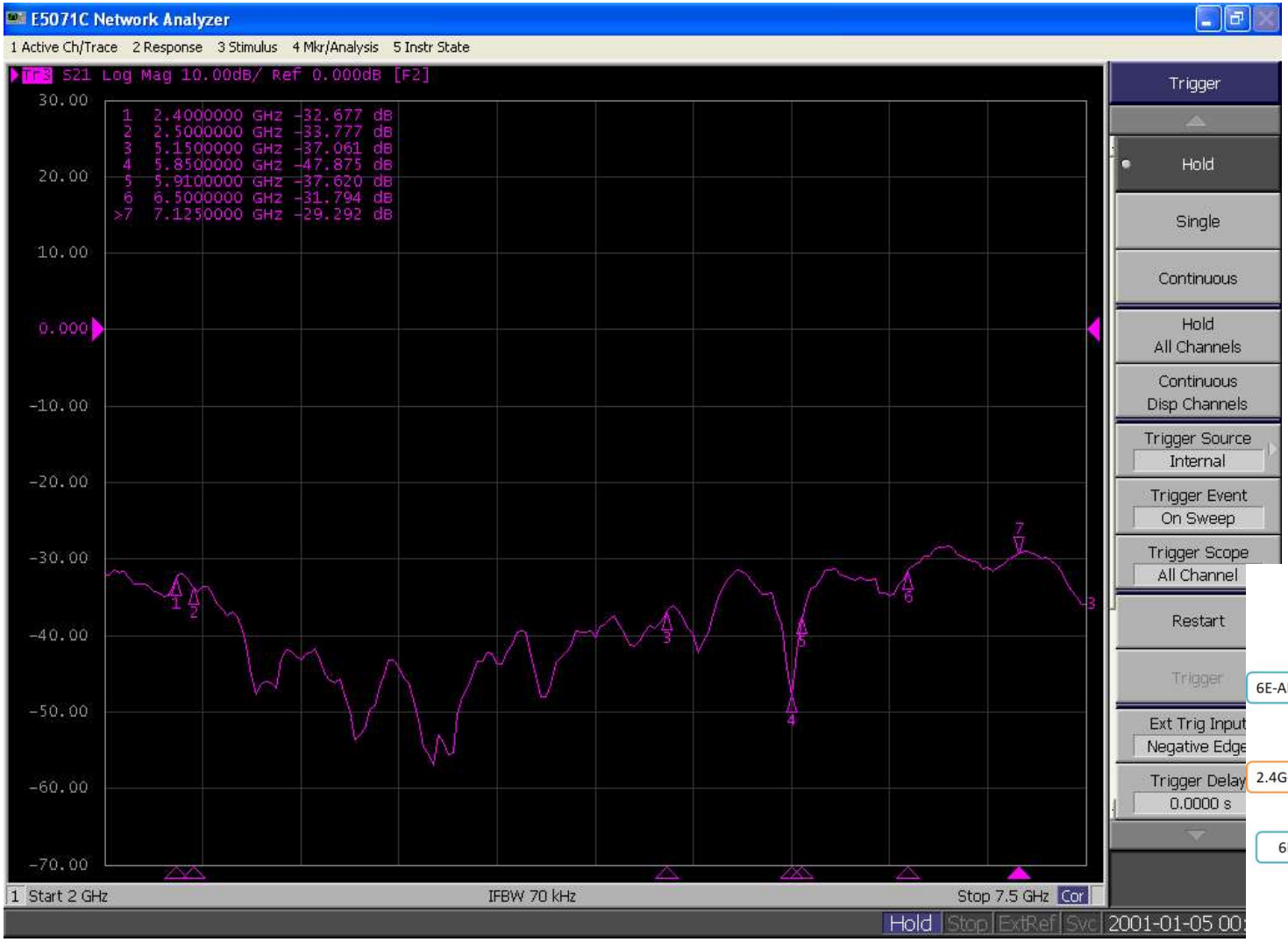


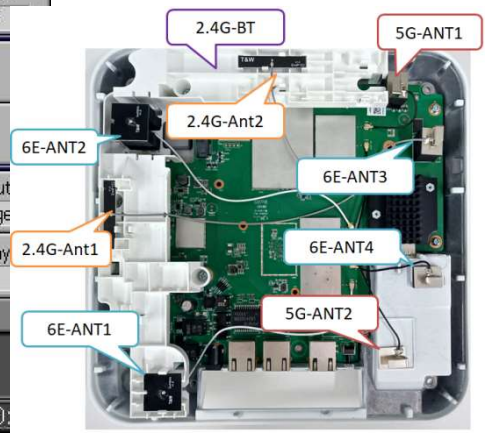


PROPRIETARY AND CONFIDENTIAL

Isolation

2.4G-ANT1&6E-ANT2

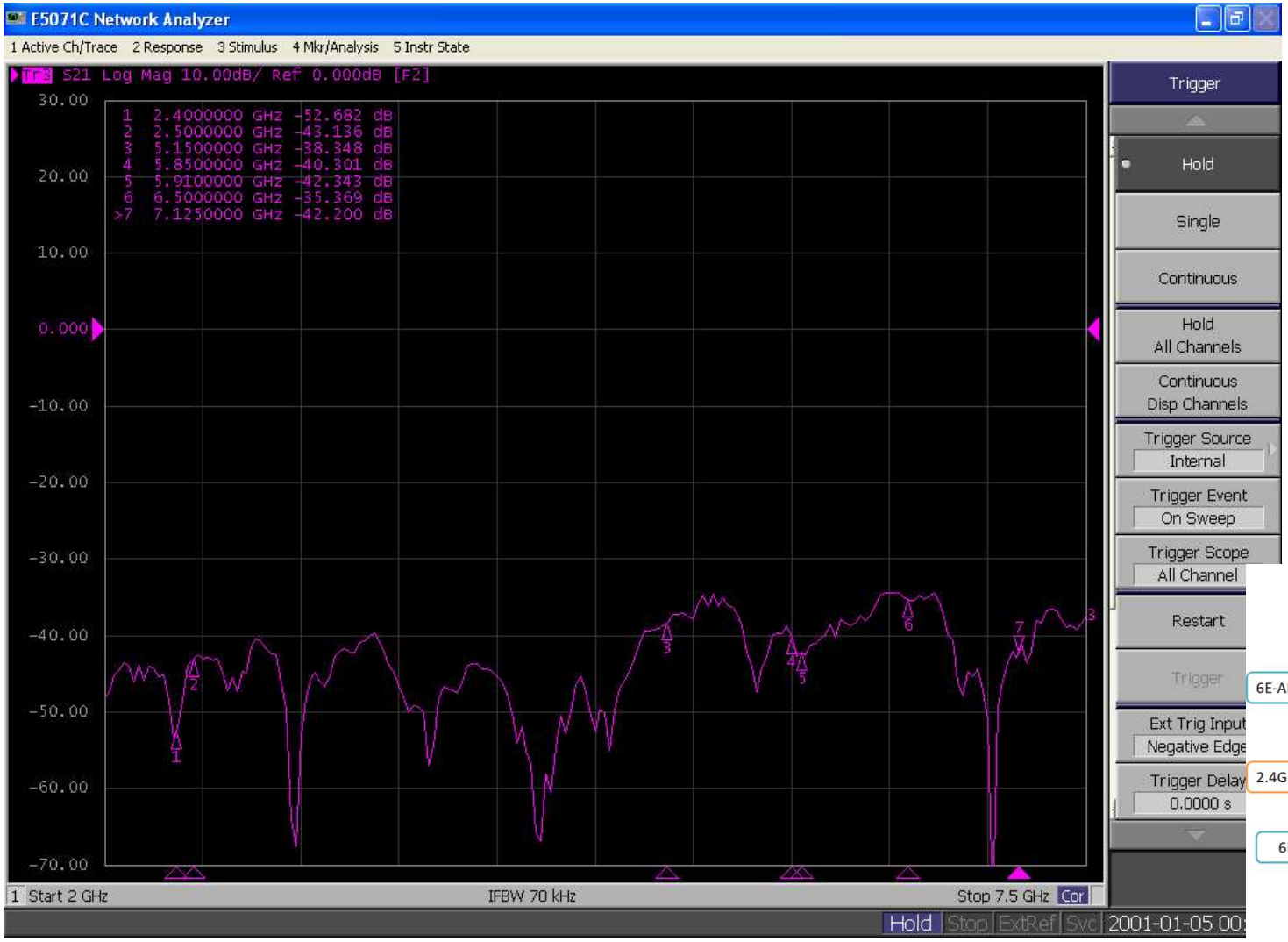


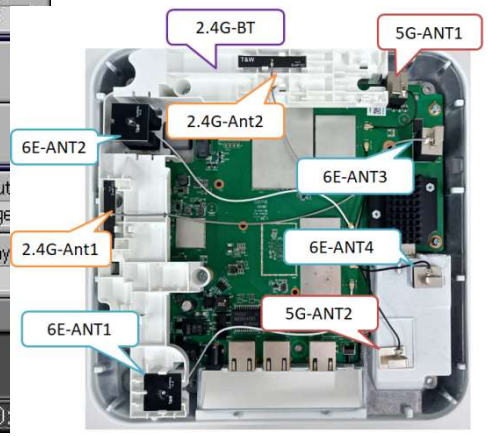


PROPRIETARY AND CONFIDENTIAL

Isolation

2.4G-ANT1&6E-ANT3

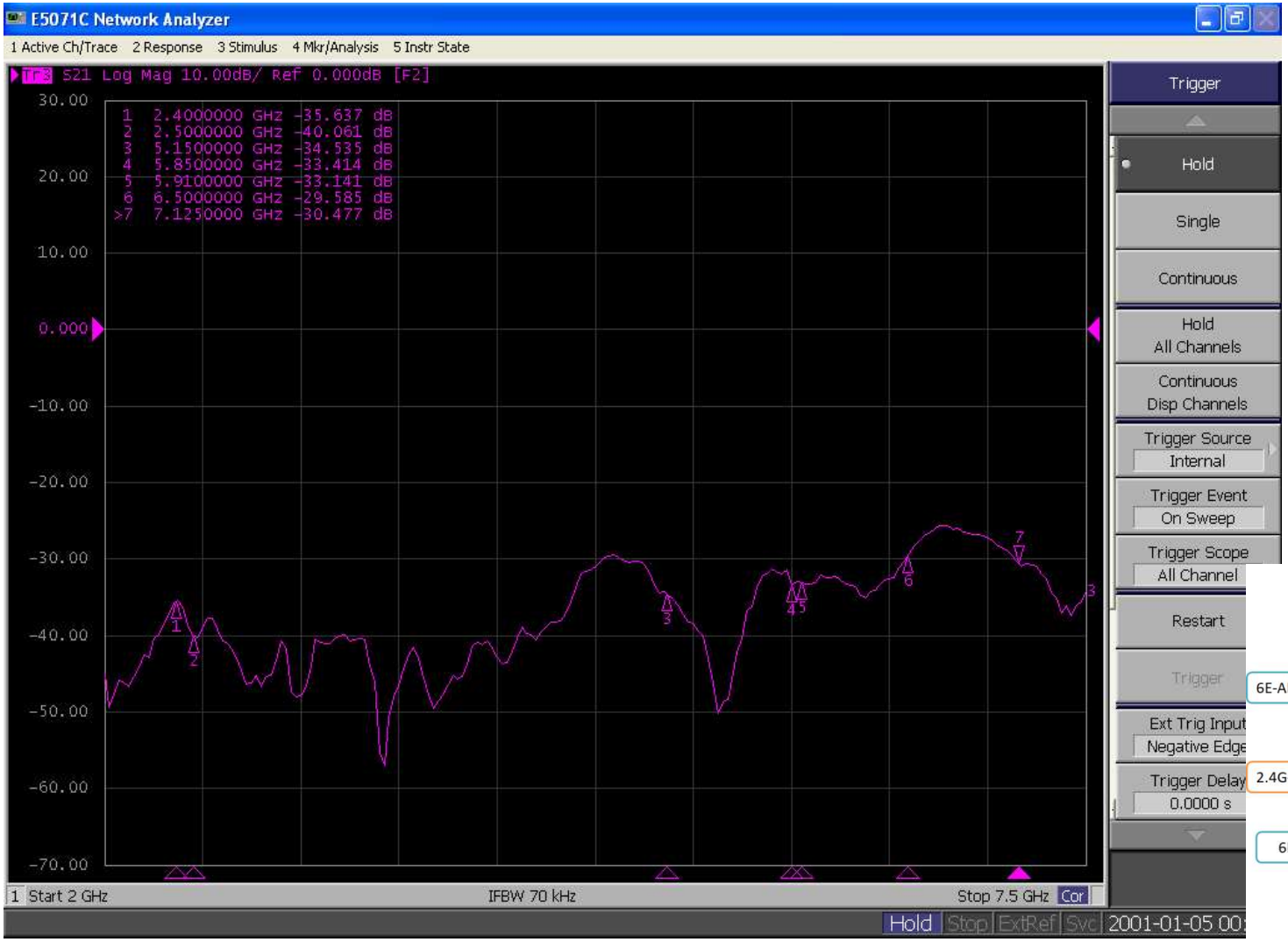


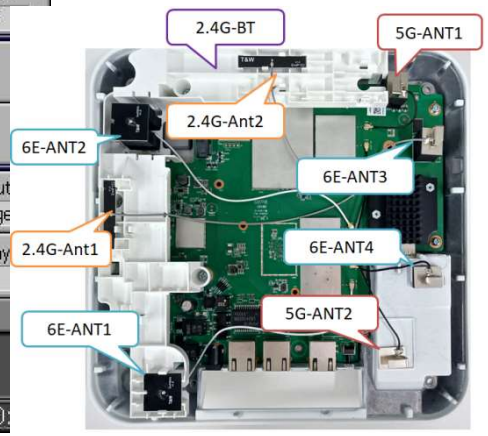


PROPRIETARY AND CONFIDENTIAL

Isolation

2.4G-ANT1&6E-ANT4

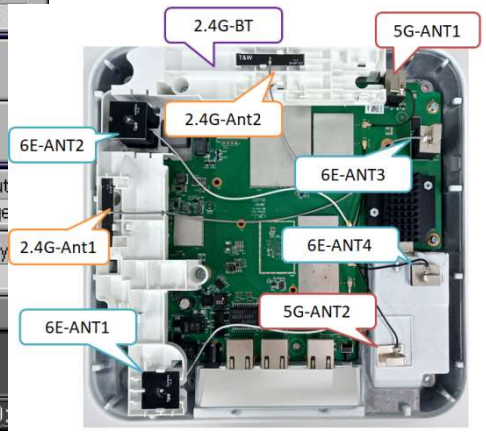




PROPRIETARY AND CONFIDENTIAL

Isolation

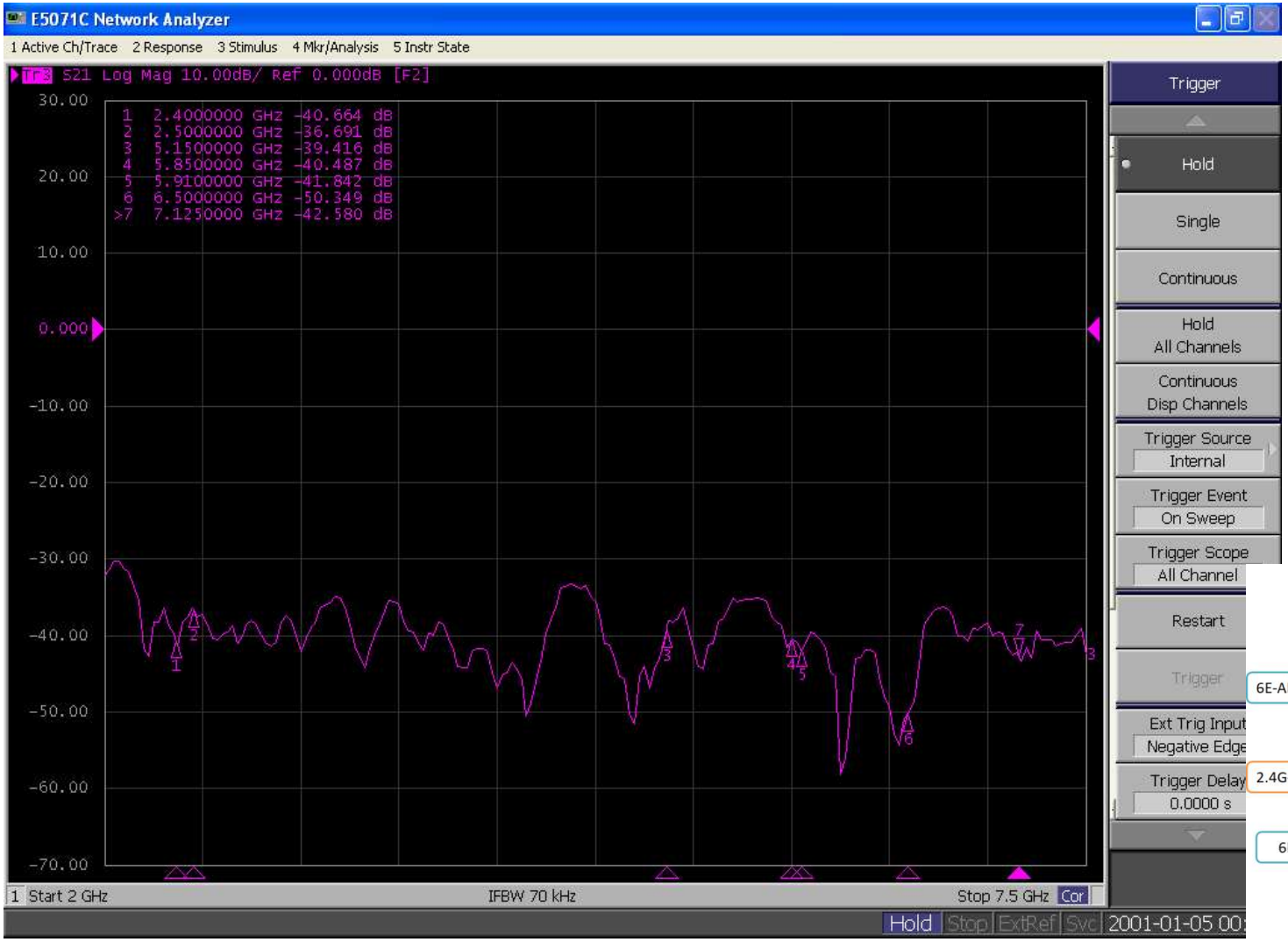
2.4G-ANT2&5G-ANT1

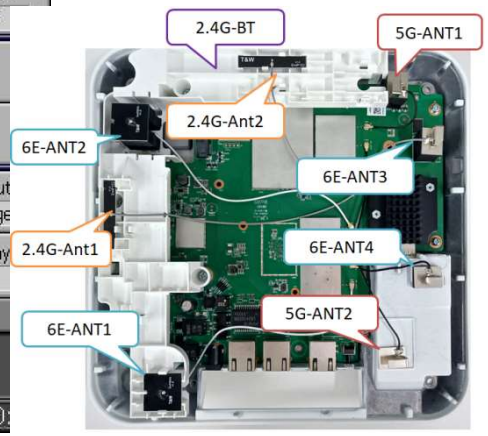


PROPRIETARY AND CONFIDENTIAL

Isolation

2.4G-ANT2&5G-ANT2

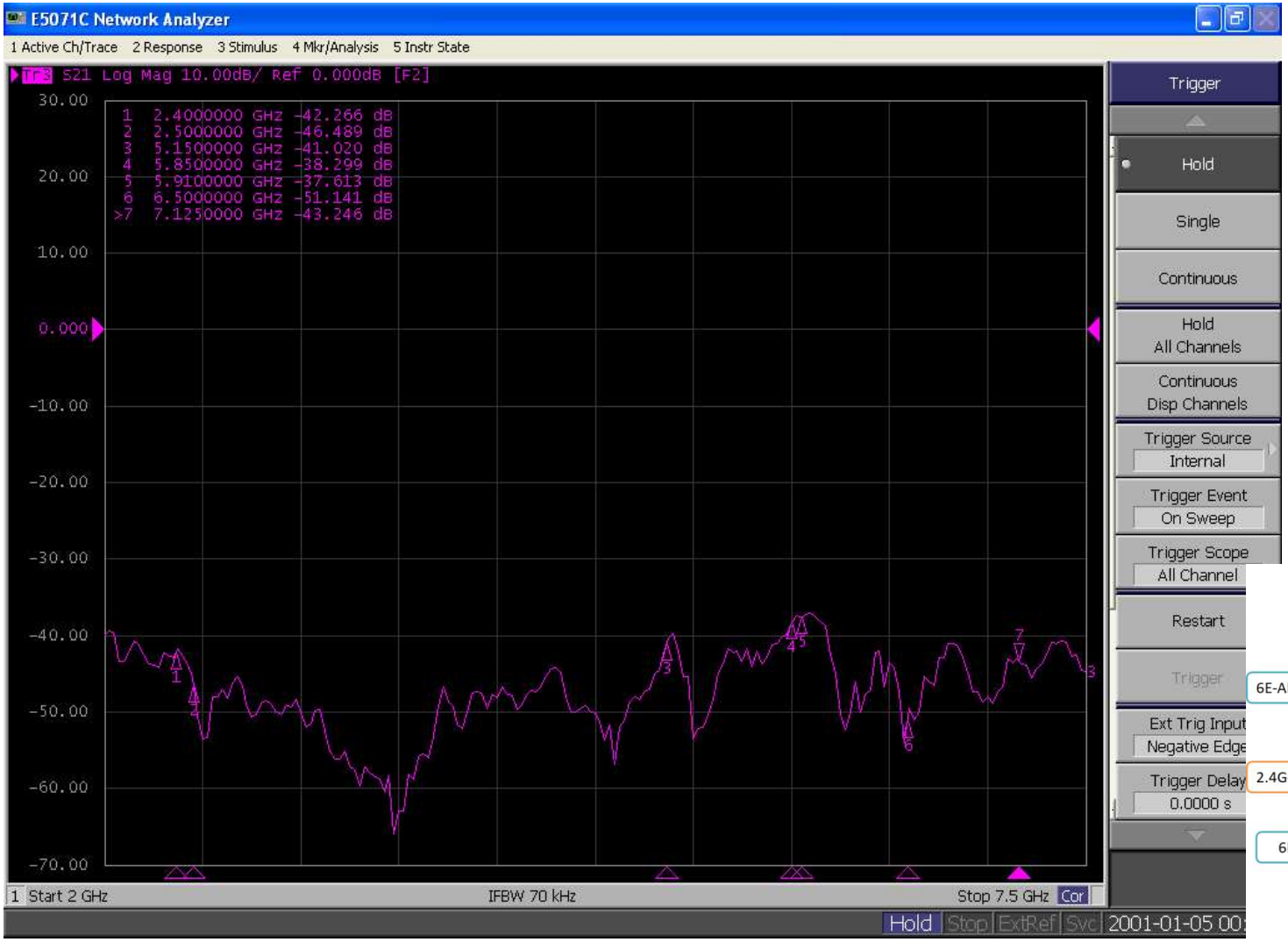


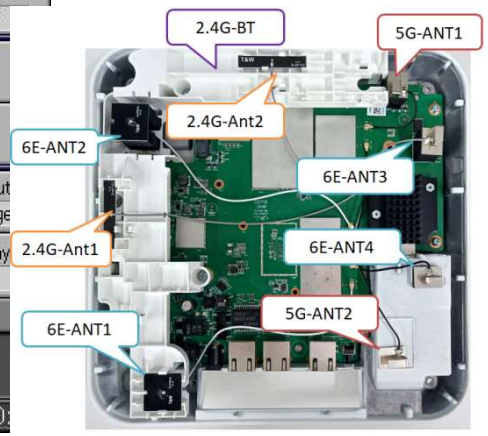


PROPRIETARY AND CONFIDENTIAL

Isolation

2.4G-ANT2&6E-ANT1

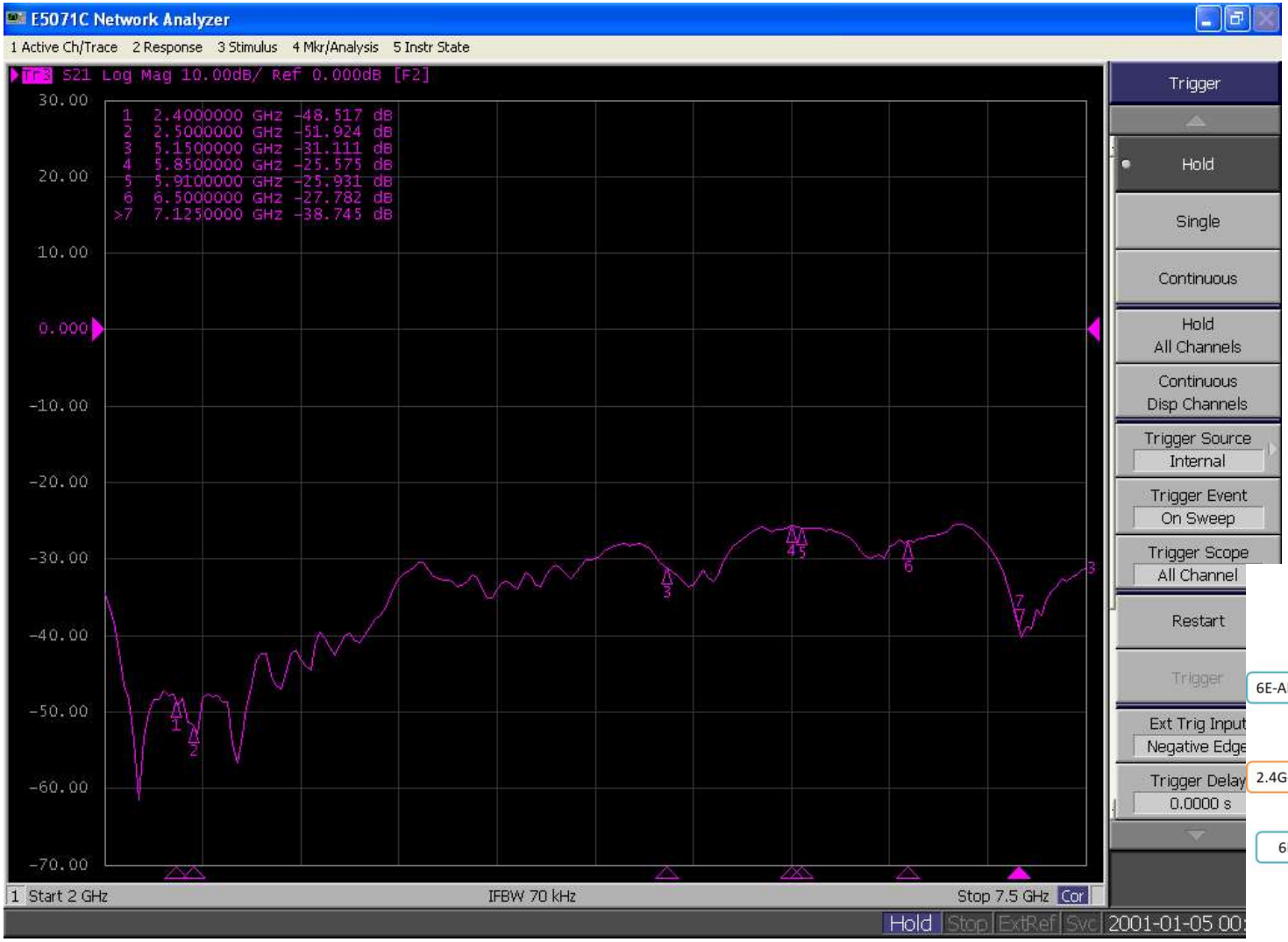


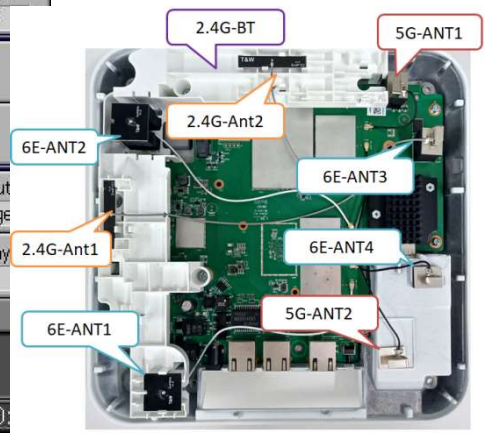


PROPRIETARY AND CONFIDENTIAL

Isolation

2.4G-ANT2&6E-ANT2

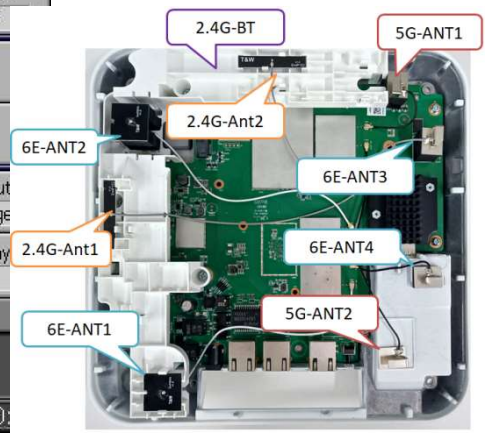




PROPRIETARY AND CONFIDENTIAL

Isolation

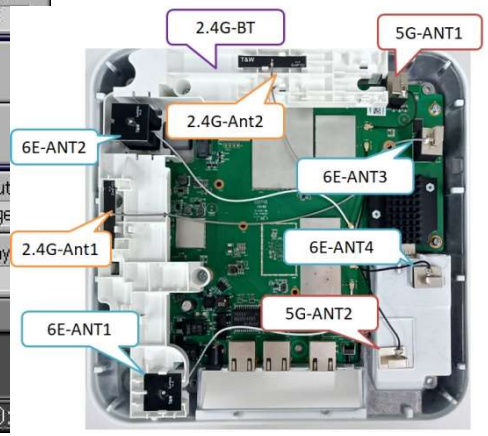
2.4G-ANT2&6E-ANT3



PROPRIETARY AND CONFIDENTIAL

Isolation

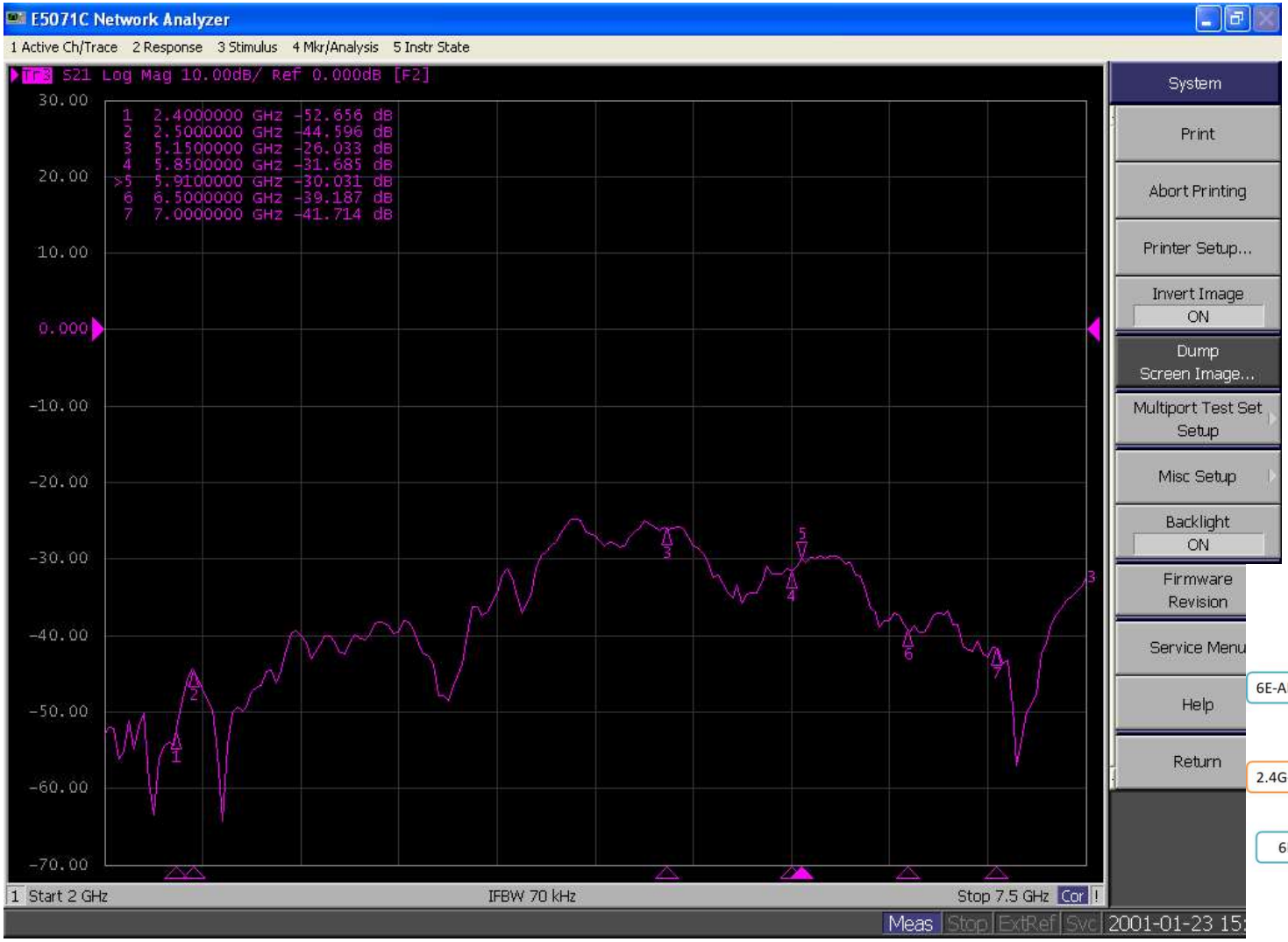
2.4G-ANT2&6E-ANT4

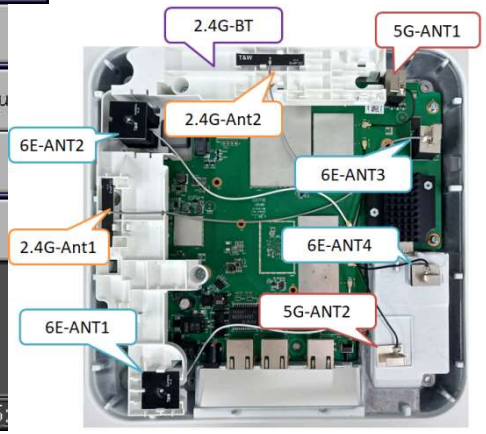


PROPRIETARY AND CONFIDENTIAL

Isolation

5G-ANT1&5G-ANT2

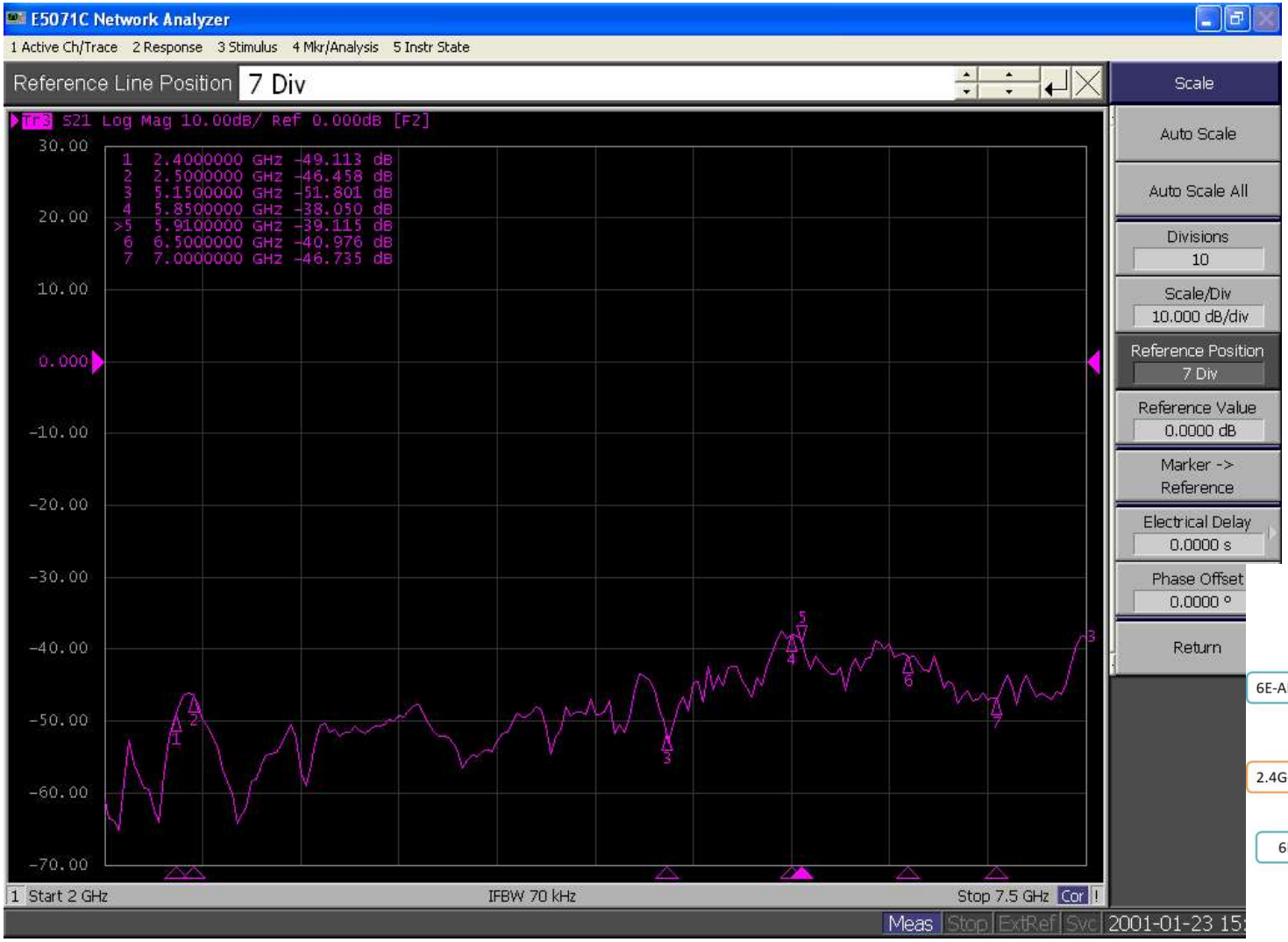


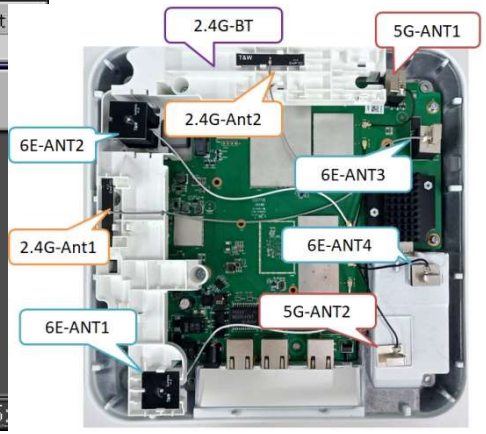


PROPRIETARY AND CONFIDENTIAL

Isolation

5G-ANT1&6E-ANT1

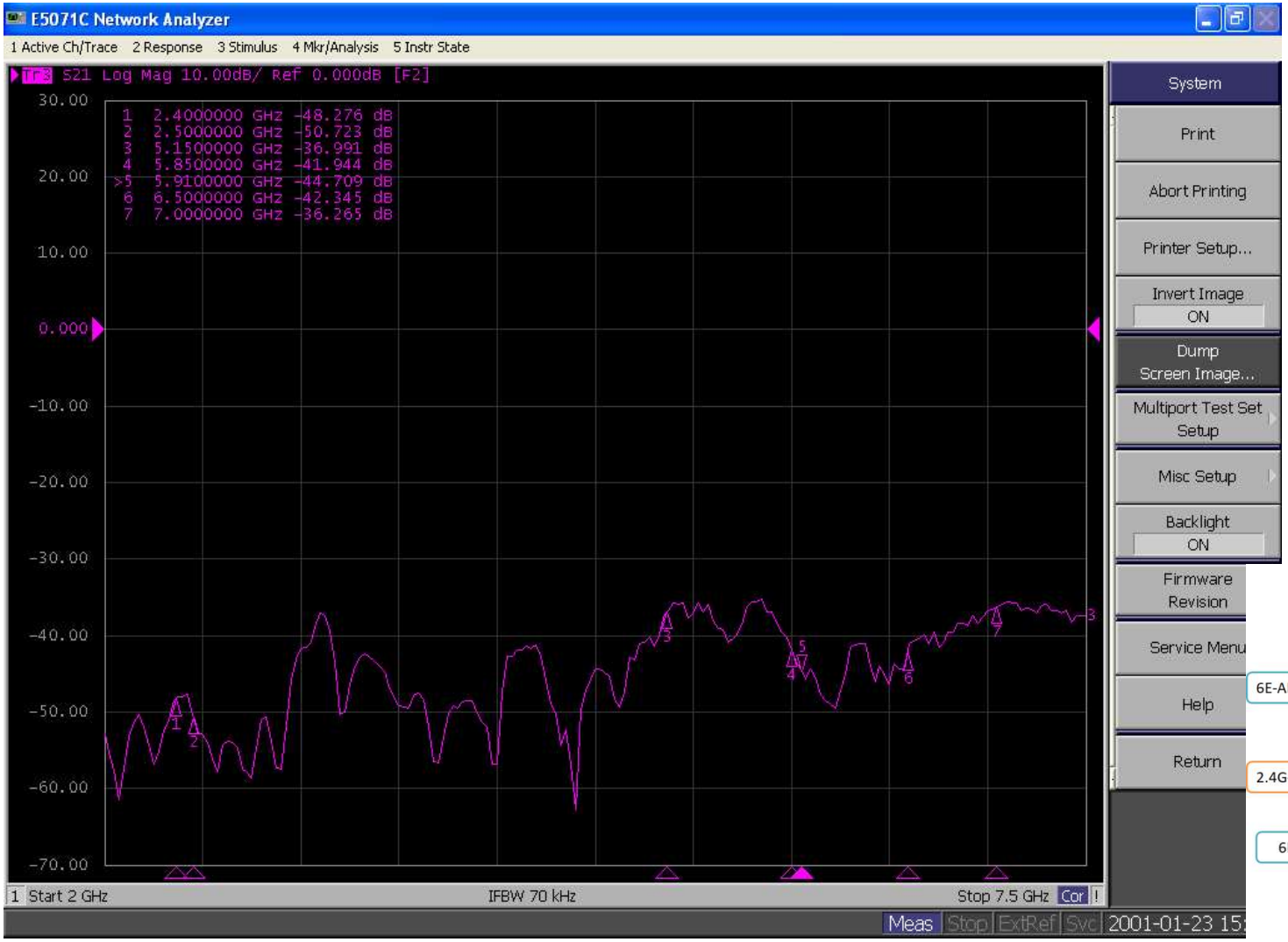


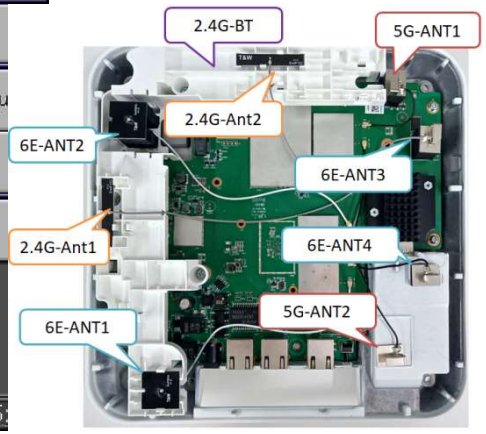


PROPRIETARY AND CONFIDENTIAL

Isolation

5G-ANT1&6E-ANT2

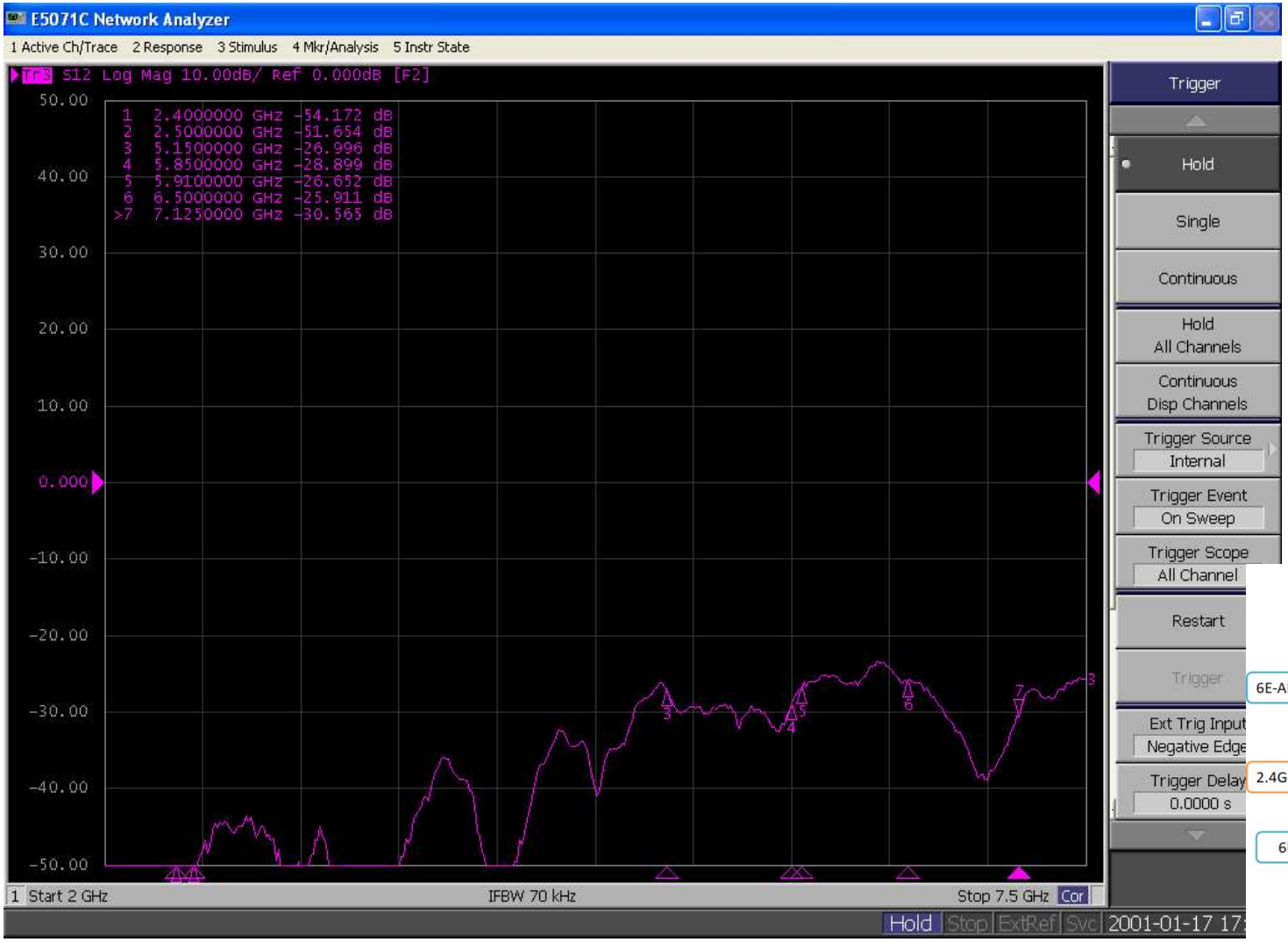


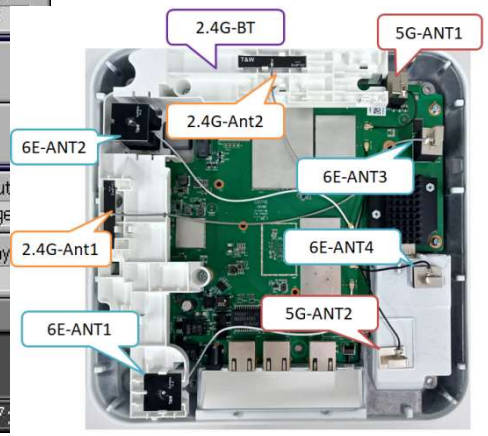


PROPRIETARY AND CONFIDENTIAL

Isolation

5G-ANT1&6E-ANT3

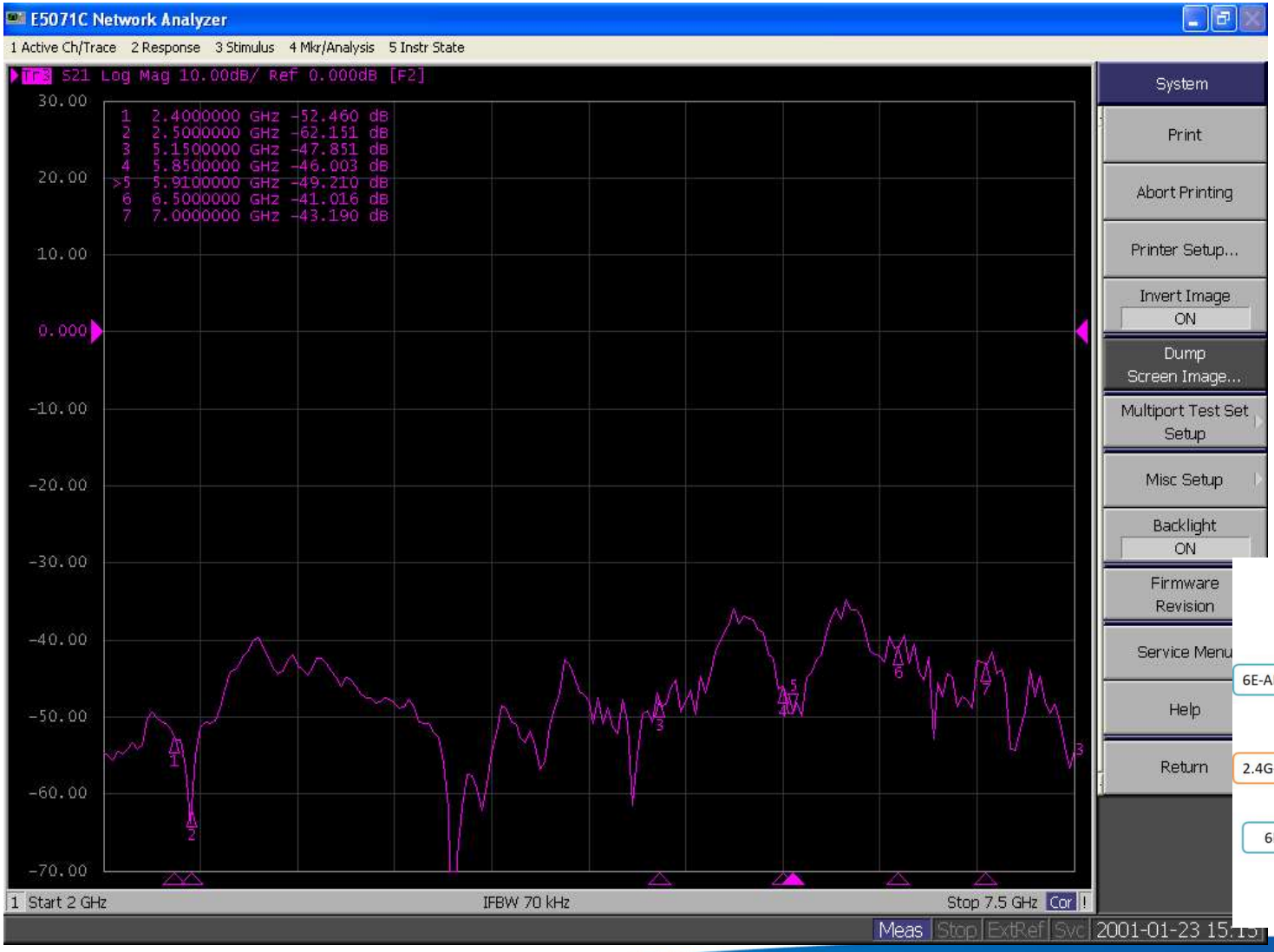


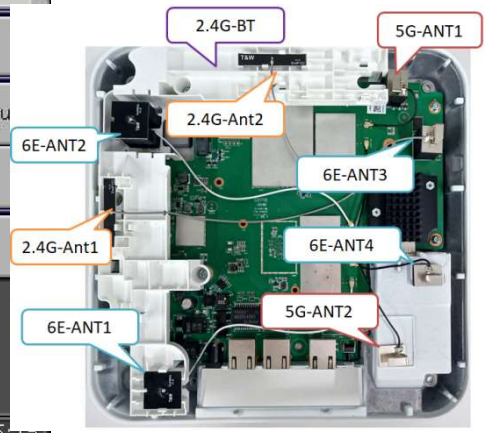


PROPRIETARY AND CONFIDENTIAL

Isolation

5G-ANT1&6E-ANT4

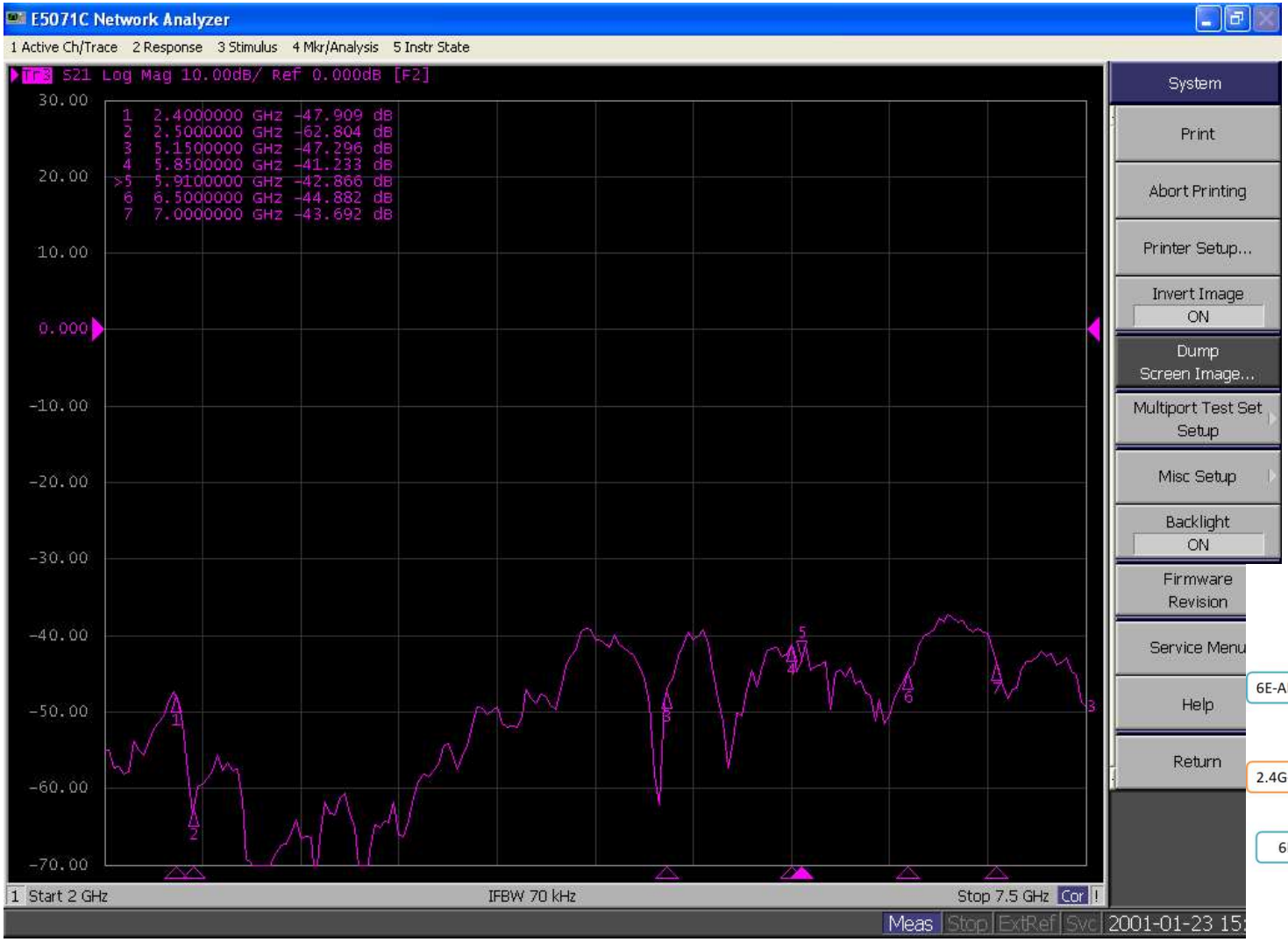


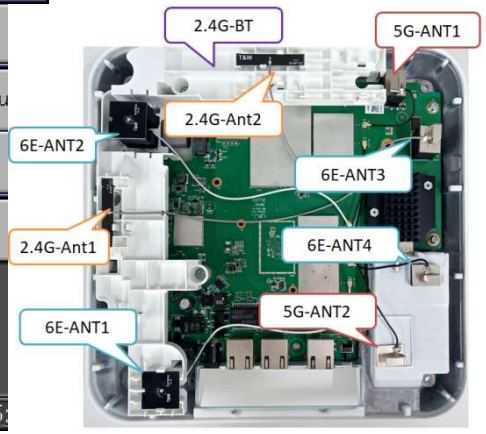


PROPRIETARY AND CONFIDENTIAL

Isolation

5G-ANT2&6E-ANT1

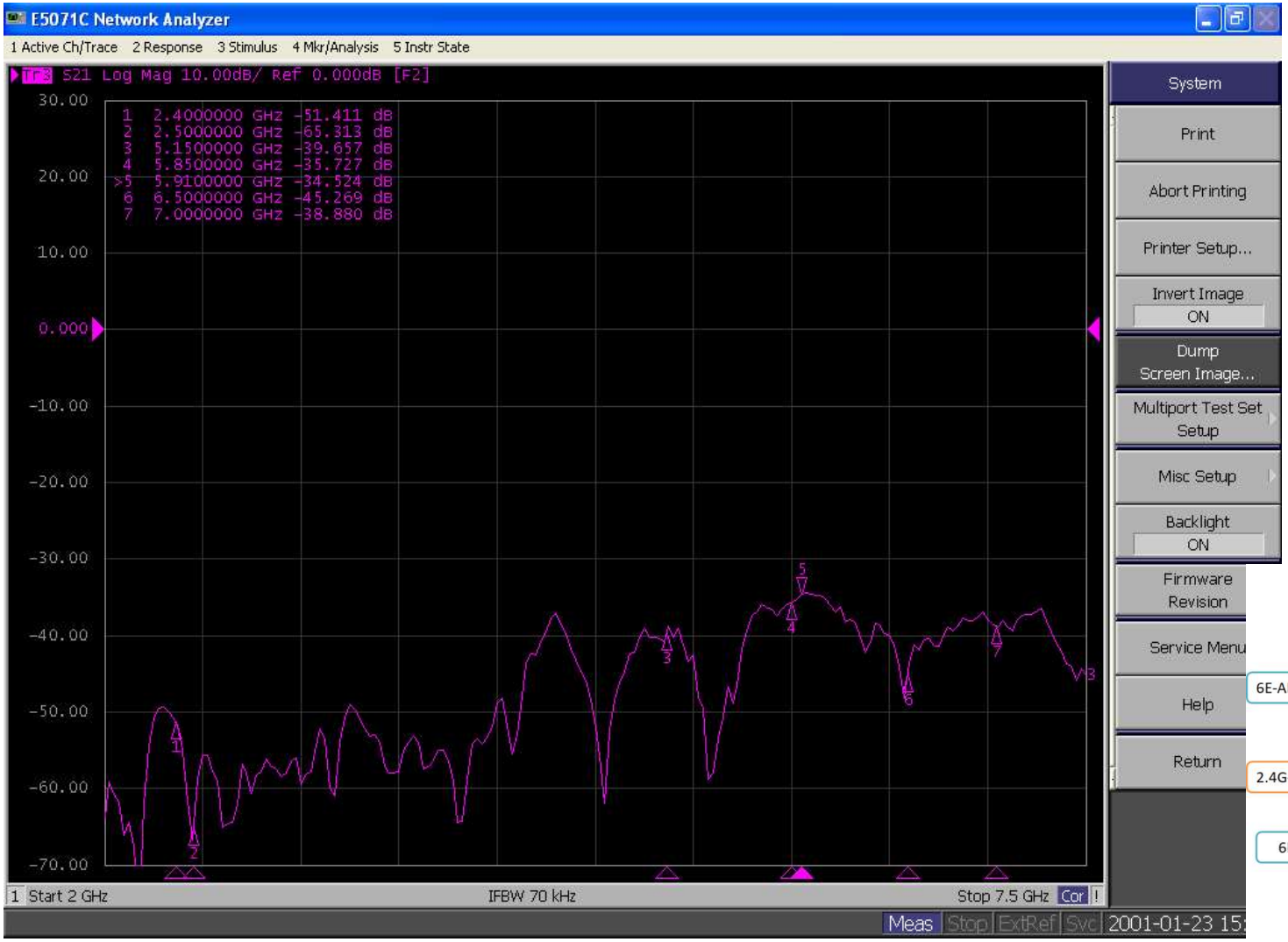


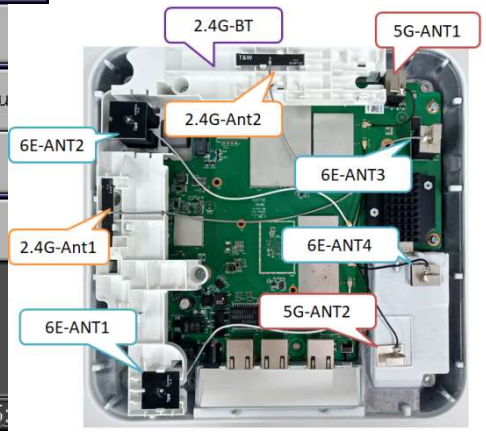


PROPRIETARY AND CONFIDENTIAL

Isolation

5G-ANT2&6E-ANT2

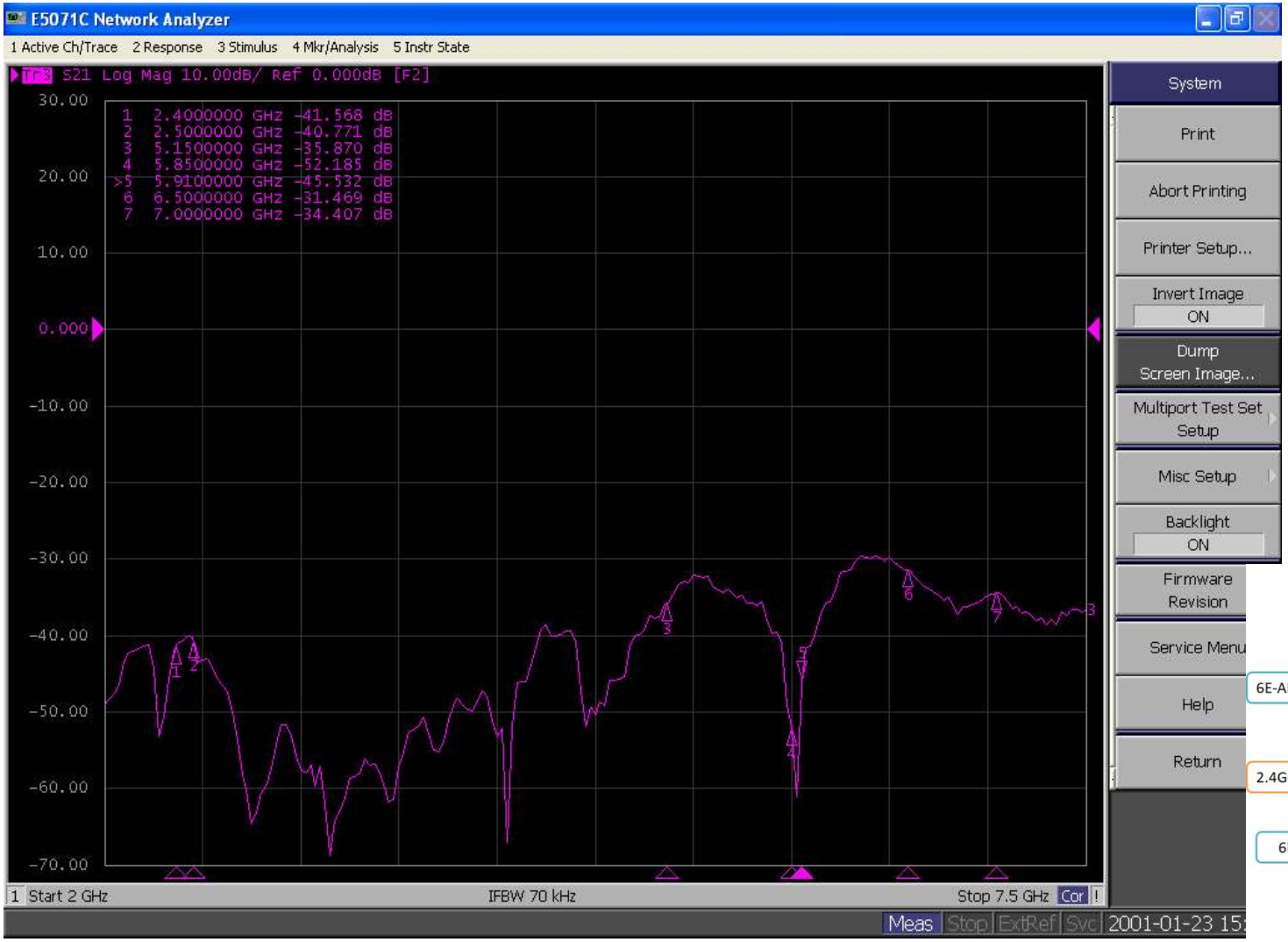


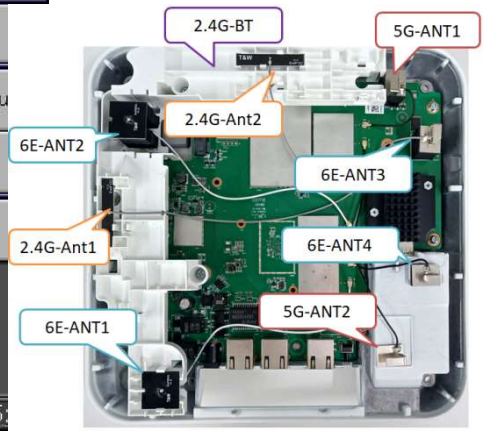


PROPRIETARY AND CONFIDENTIAL

Isolation

5G-ANT2&6E-ANT3

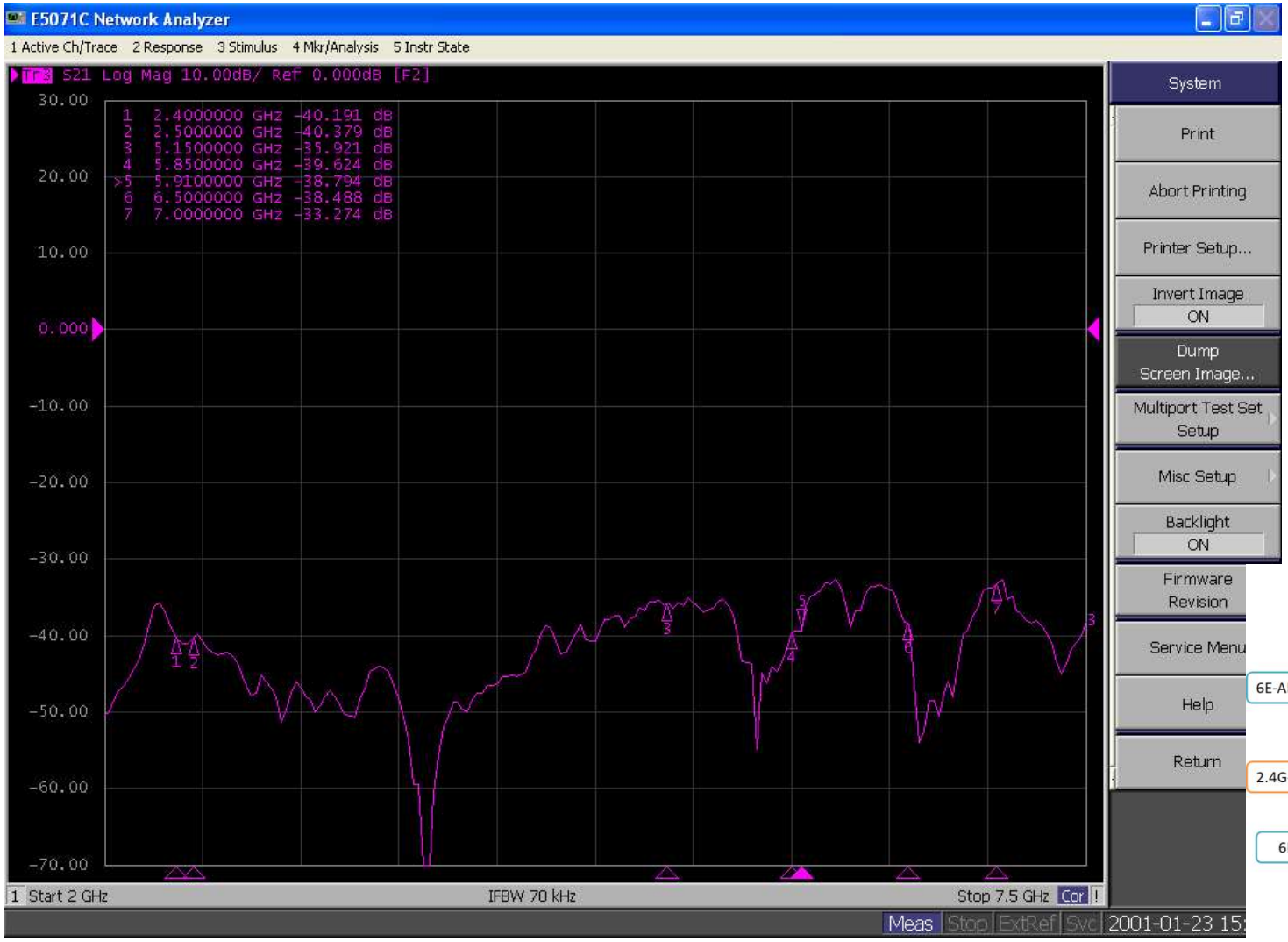


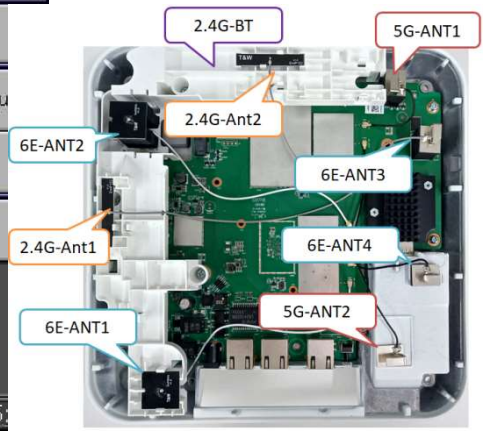


PROPRIETARY AND CONFIDENTIAL

Isolation

5G-ANT2&6E-ANT4

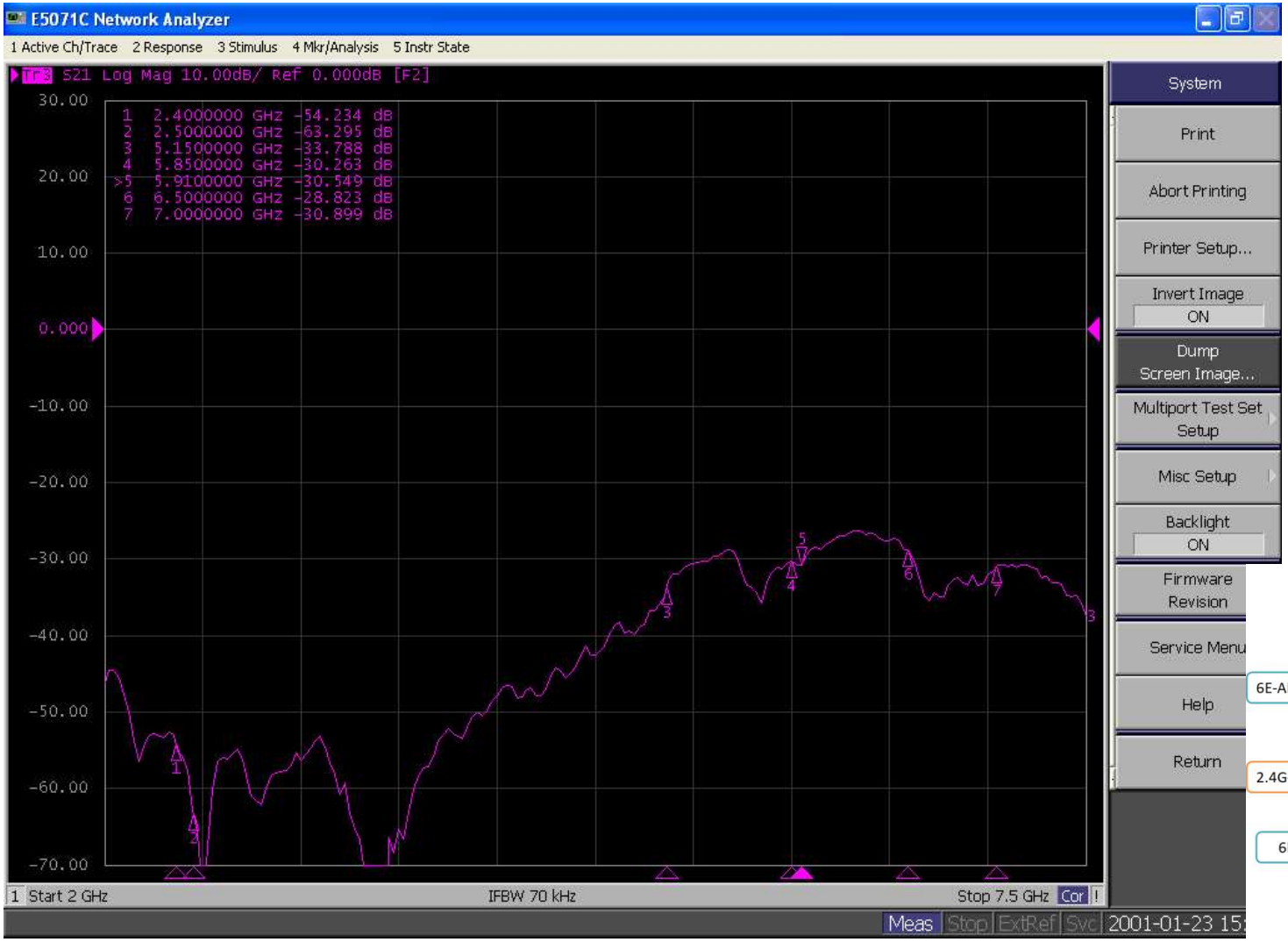


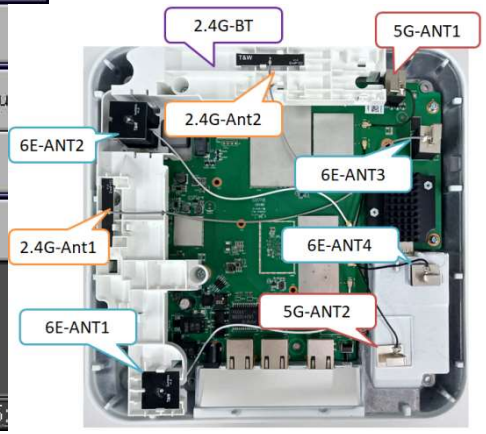


PROPRIETARY AND CONFIDENTIAL

Isolation

6E-ANT1&6E-ANT2

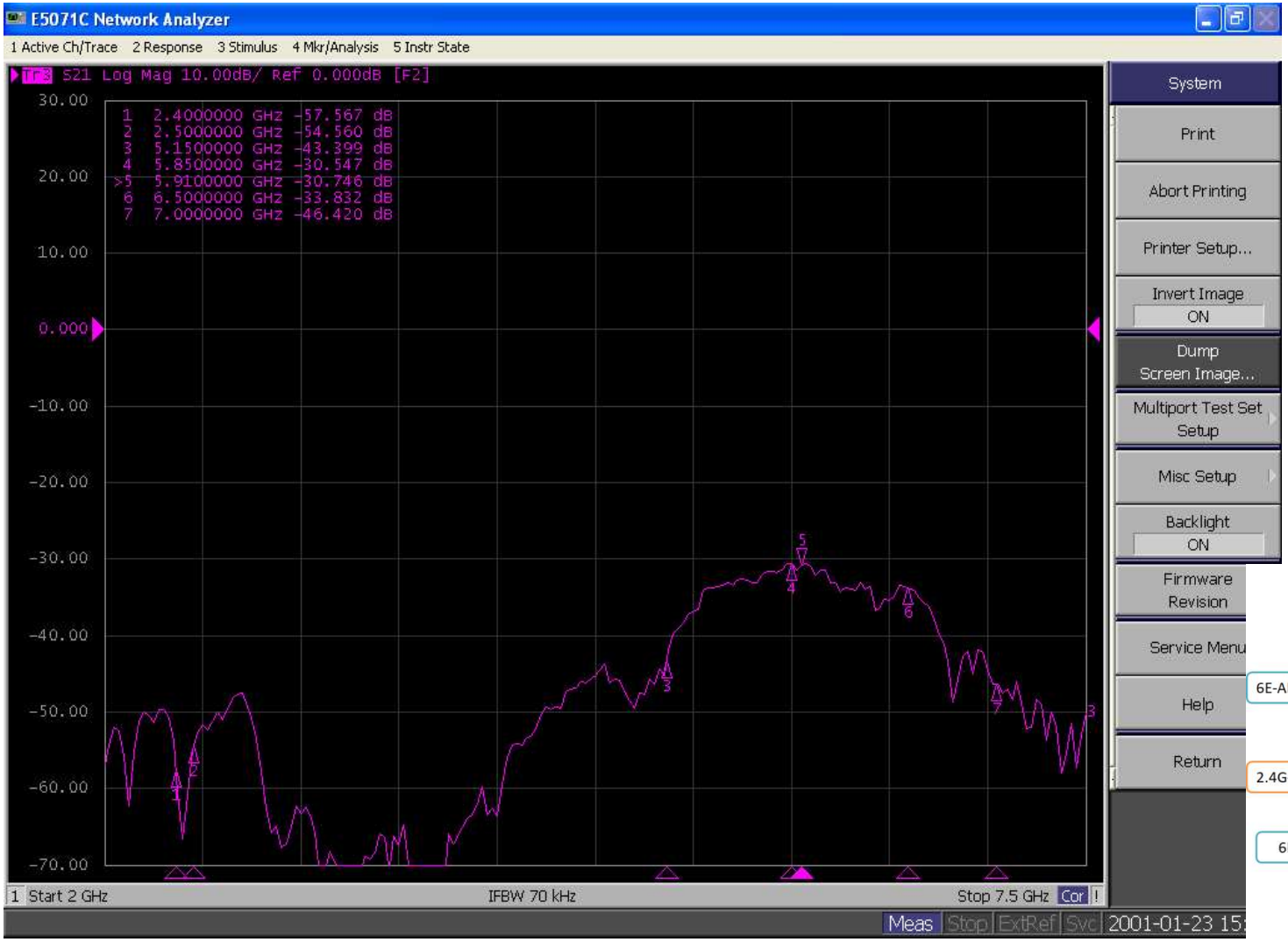


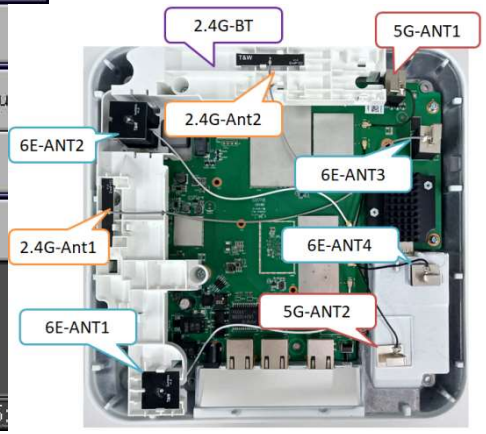


PROPRIETARY AND CONFIDENTIAL

Isolation

6E-ANT1&6E-ANT3

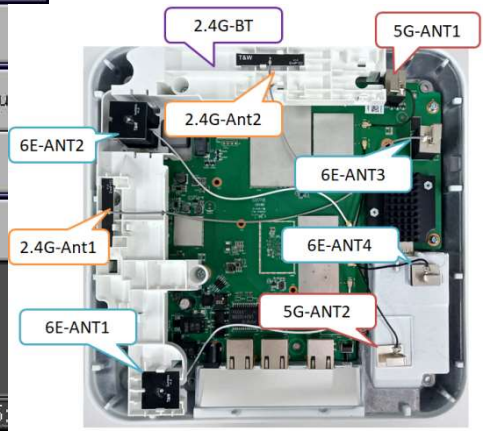




PROPRIETARY AND CONFIDENTIAL

Isolation

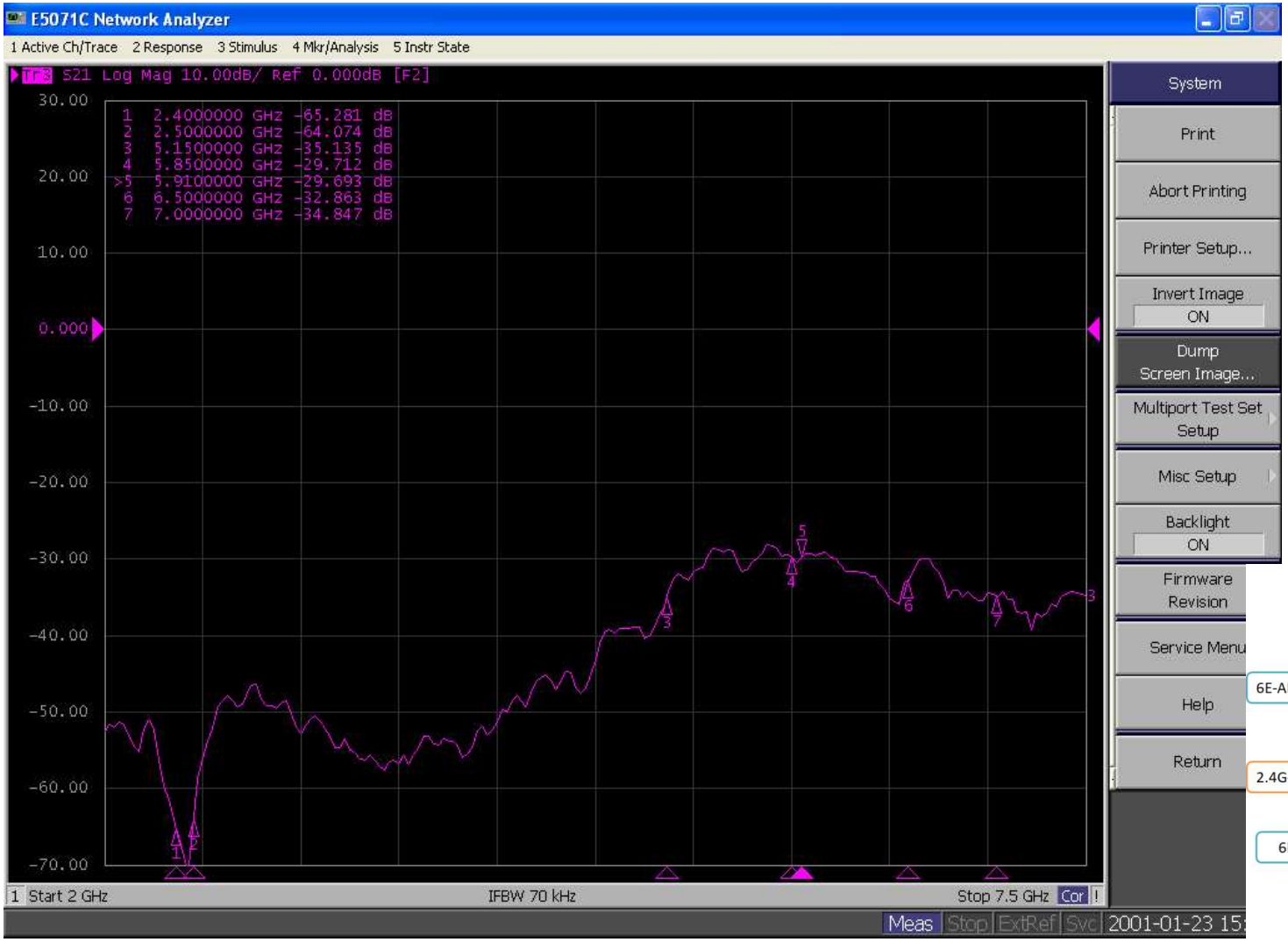
6E-ANT1&6E-ANT4

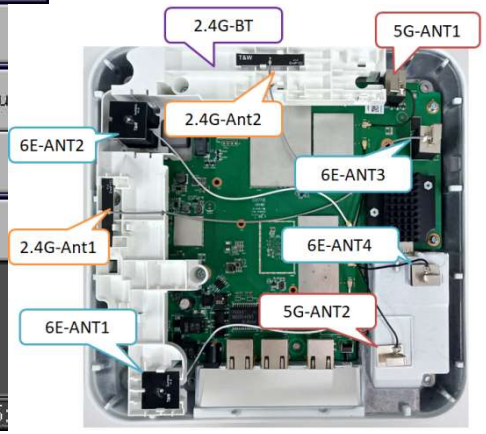


PROPRIETARY AND CONFIDENTIAL

Isolation

6E-ANT2&6E-ANT3

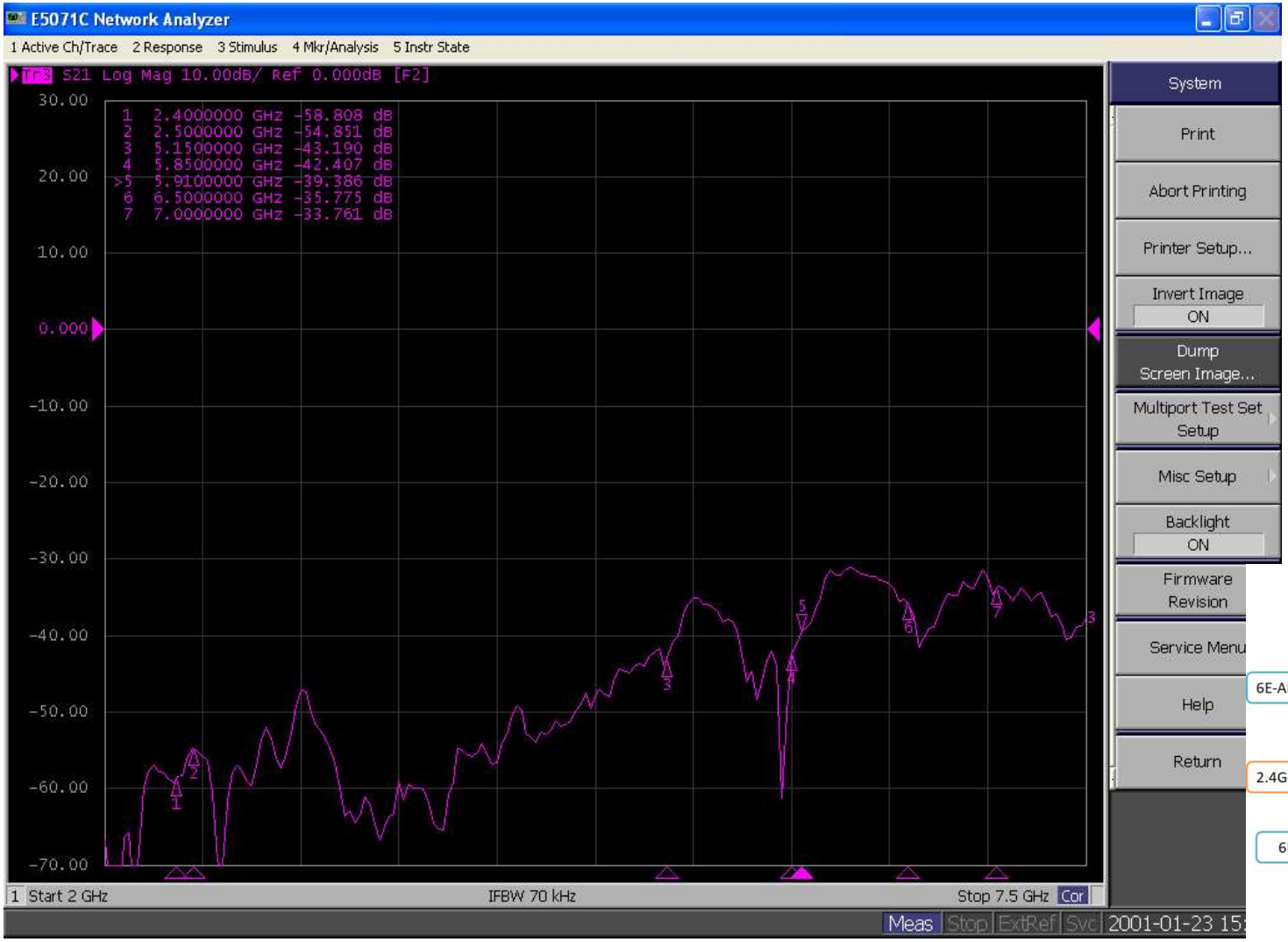


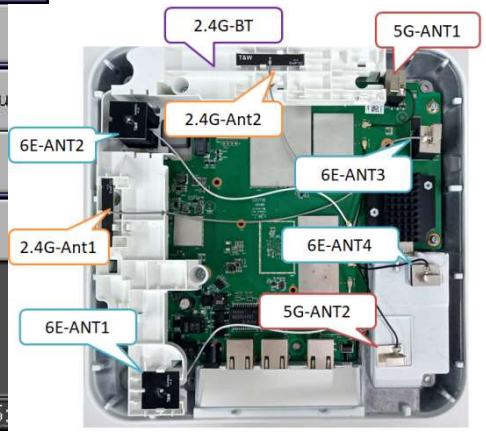


PROPRIETARY AND CONFIDENTIAL

Isolation

6E-ANT2&6E-ANT4





PROPRIETARY AND CONFIDENTIAL