ERI-SMAJKS-08-2W-xxdB



产品特点 Features

- 低驻波比、宽射频范围
- 低互调、高功率、高可靠性
- 平坦衰减值、军工级品质

应用场景 Application

- 移动通讯领域
- 卫星雷达，电子对抗
- 测试测量等超宽带领域

质量认证：ISO 9001:2015 标准
军标认证：GJB 9001C-2017 标准
接头界面标准：MIL-STD-348B
自主研发 支持定制

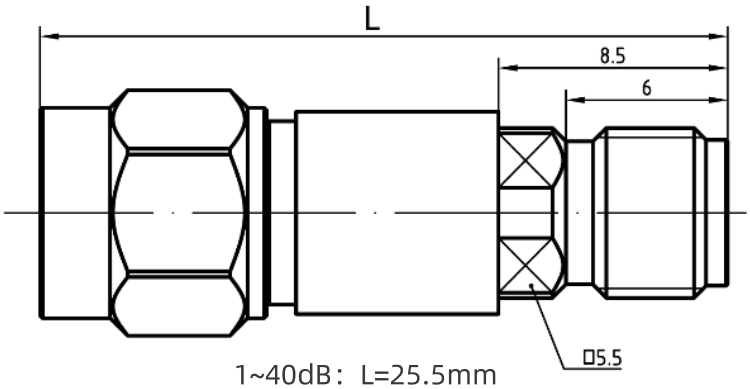
产品参数 Parameters

频率范围 Frequency Range:	DC-8GHz（0-8000MHz）
阻抗 Impedance:	50Ω
驻波比 VSWR:	1.25:1 Max.
衰减值 Attenuation Value:	1-60dB，可定制
平均输入功率 Average Input Power:	2 W@25℃
峰值功率 Peak Power:	200W (5μsec pulse width, 0.5% duty cycle)
温度系数 Temperature Coefficient:	<0.0004 dB/℃
绝缘电阻 Insulation Resistance:	≥5000MΩ

规格指标 Specifications

A 接头类型 A Connector Type:	SMA-Male
B 接头类型 B Connector Type:	SMA-Female
方向性 Directionality:	双向
工作温度 Operation Temperature:	-55℃ ~ +125℃
内导体材质 Inner Conductor Material:	铍青铜 镀金 Gold plated beryllium copper
外导体材质 Externall Conductor Material:	黄铜 镀三元合金 Ternary alloy plated brass
螺套材质 Screw Sleeve Material:	不锈钢 钝化 Passivated stainless steel
绝缘体 Heat Sink:	PTFE

规格尺寸 Outline Drawing



1~40dB：L=25.5mm
50~60dB：L=32.1mm

注：尺寸(mm/[英寸])，一般公差(± 0.1)
Note: Dimensions (mm / [inch]), General tolerance (±0.1)

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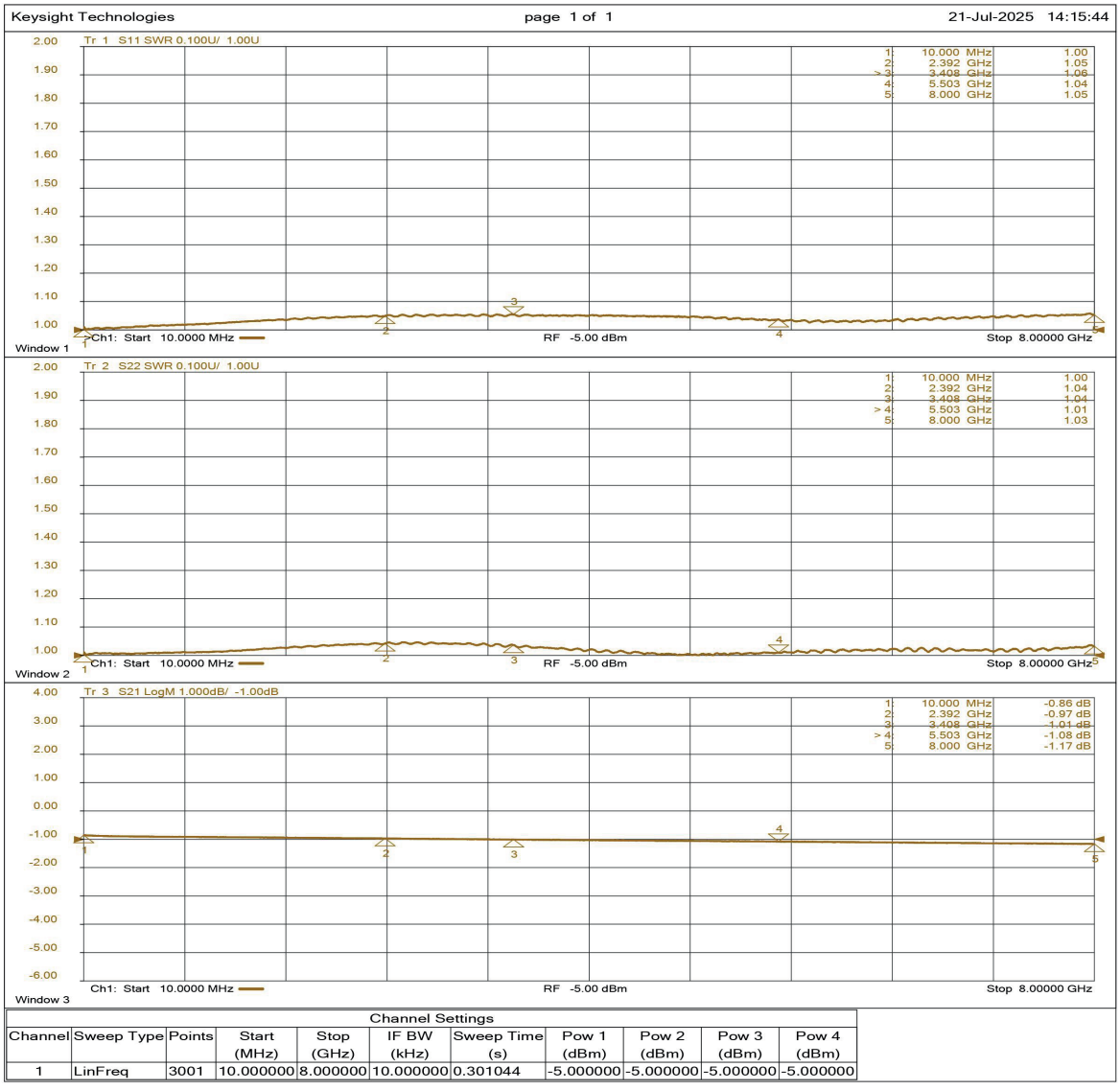
衰减值及衰减精度

Attenuation Value and Attenuation Accuracy

衰减值 Attenuation Value（dB/m）	衰减精度 Attenuation Accuracy
1~10dB	±0.6
15~30dB	±0.8
40~50dB	±1.2
60dB	+1.0/-2.5

性能测试曲线

Typical Performance Curves



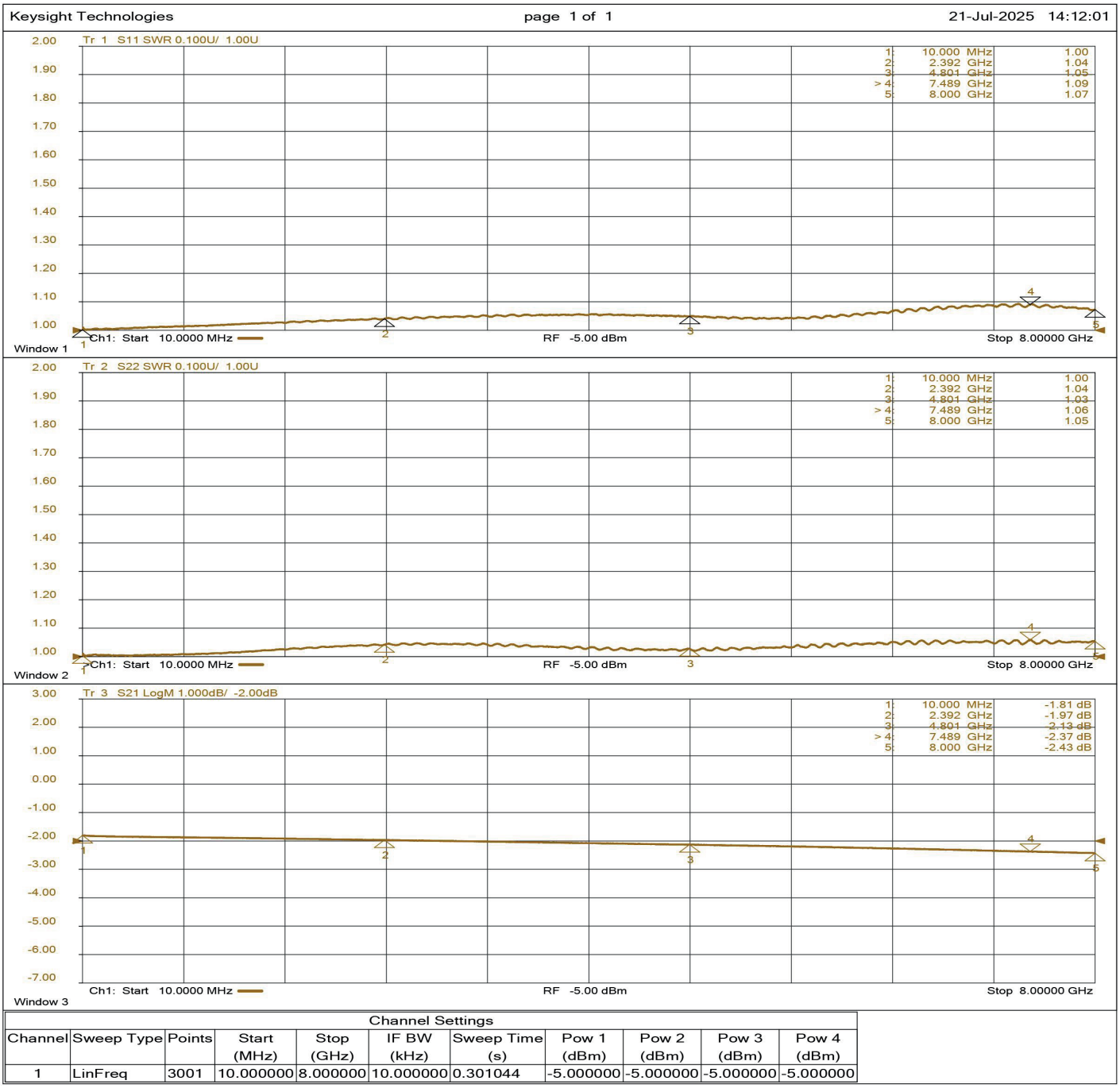
Channel Settings

Channel	Sweep Type	Points	Start (MHz)	Stop (GHz)	IF BW (kHz)	Sweep Time (s)	Pow 1 (dBm)	Pow 2 (dBm)	Pow 3 (dBm)	Pow 4 (dBm)
1	LinFreq	3001	10.000000	8.000000	10.000000	0.301044	-5.000000	-5.000000	-5.000000	-5.000000

1dB 典型实测曲线 1dB typical measured curve

性能测试曲线

Typical Performance Curves



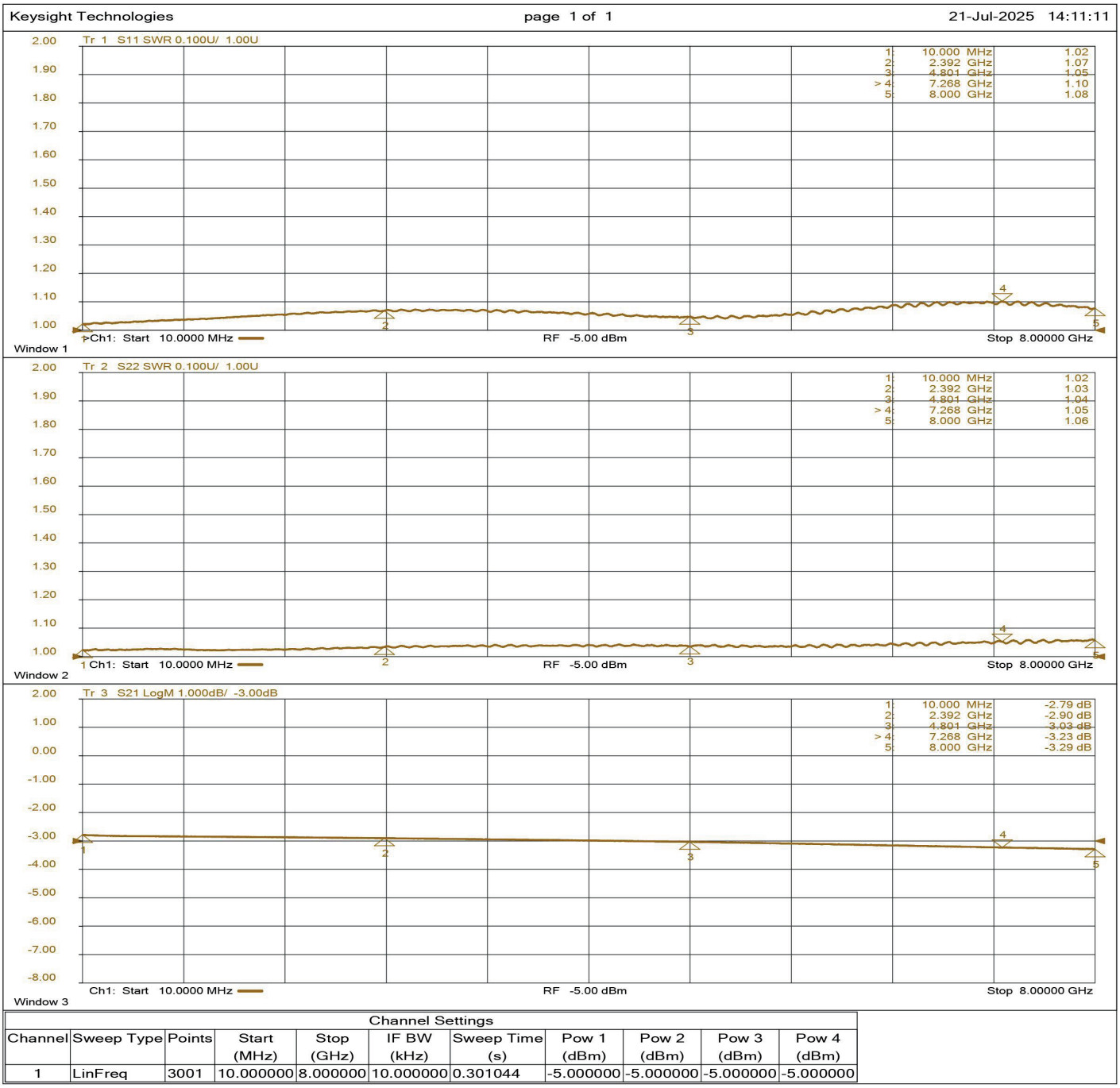
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2dB 典型实测曲线 2dB typical measured curve

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性能测试曲线
Typical Performance Curves

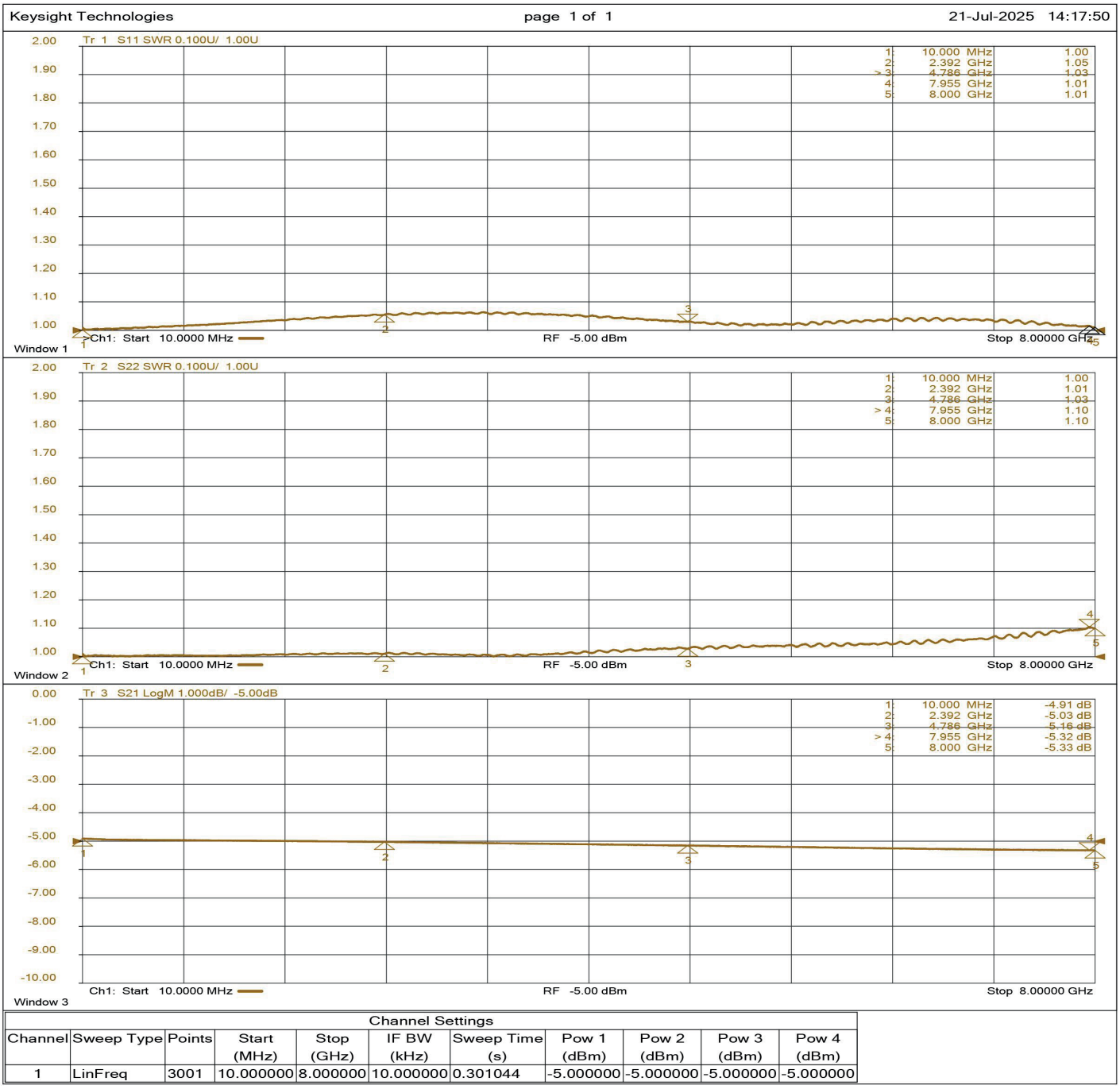


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3dB 典型实测曲线 3dB typical measured curve

性能测试曲线
Typical Performance Curves

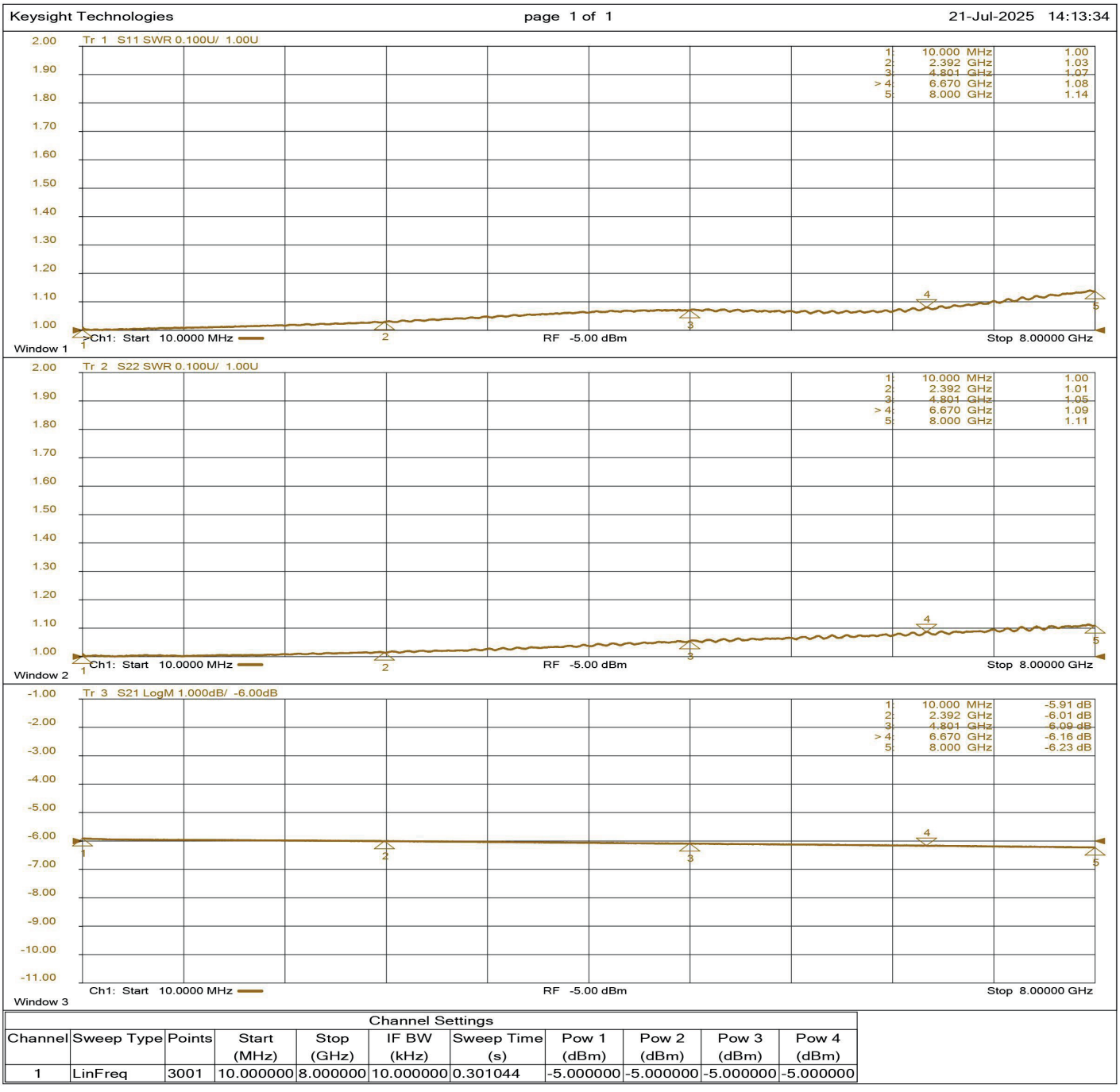


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5dB 典型实测曲线 5dB typical measured curve

性能测试曲线
Typical Performance Curves

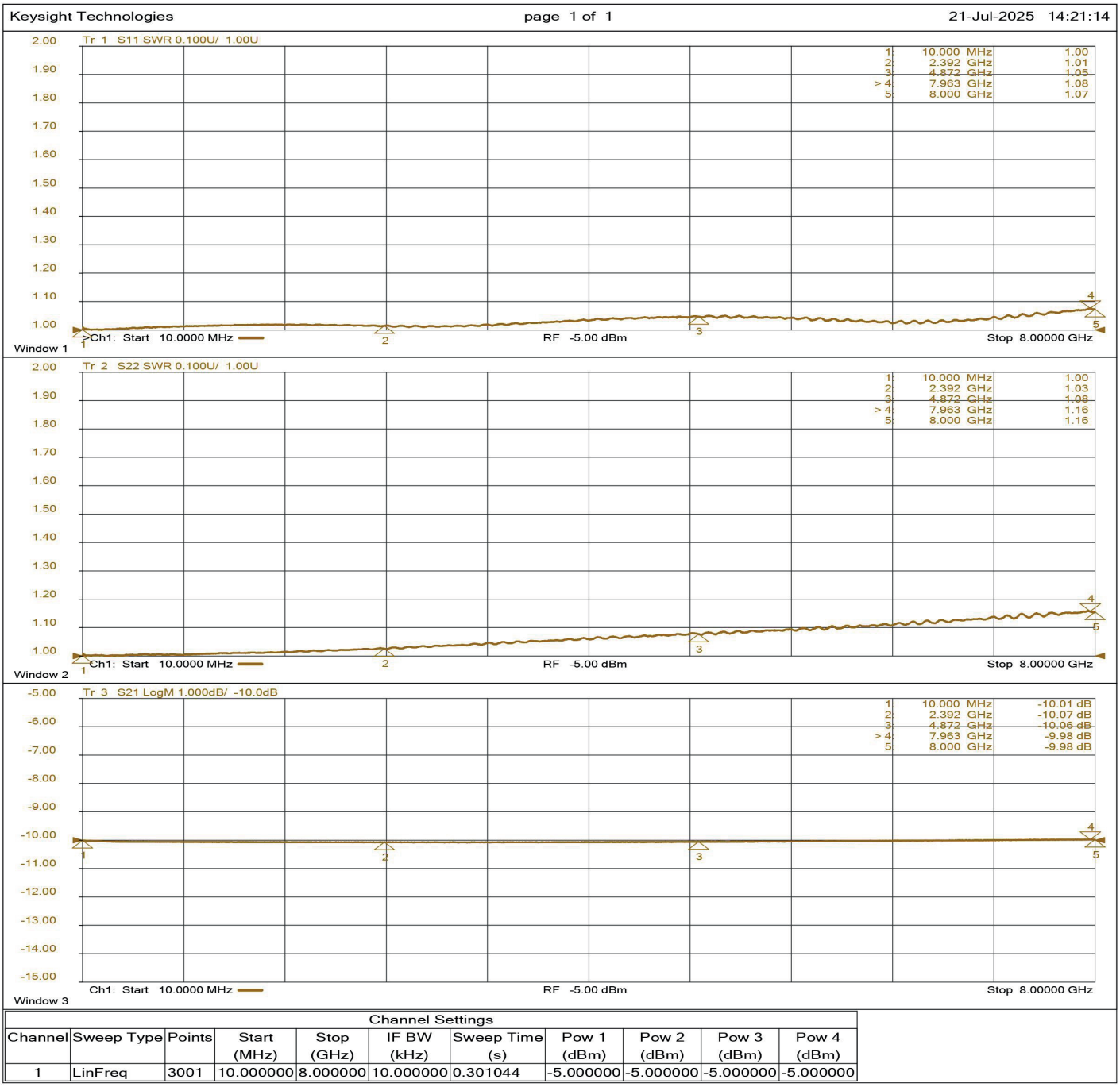


Channel Settings

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6dB 典型实测曲线 6dB typical measured curve

性能测试曲线
Typical Performance Curves

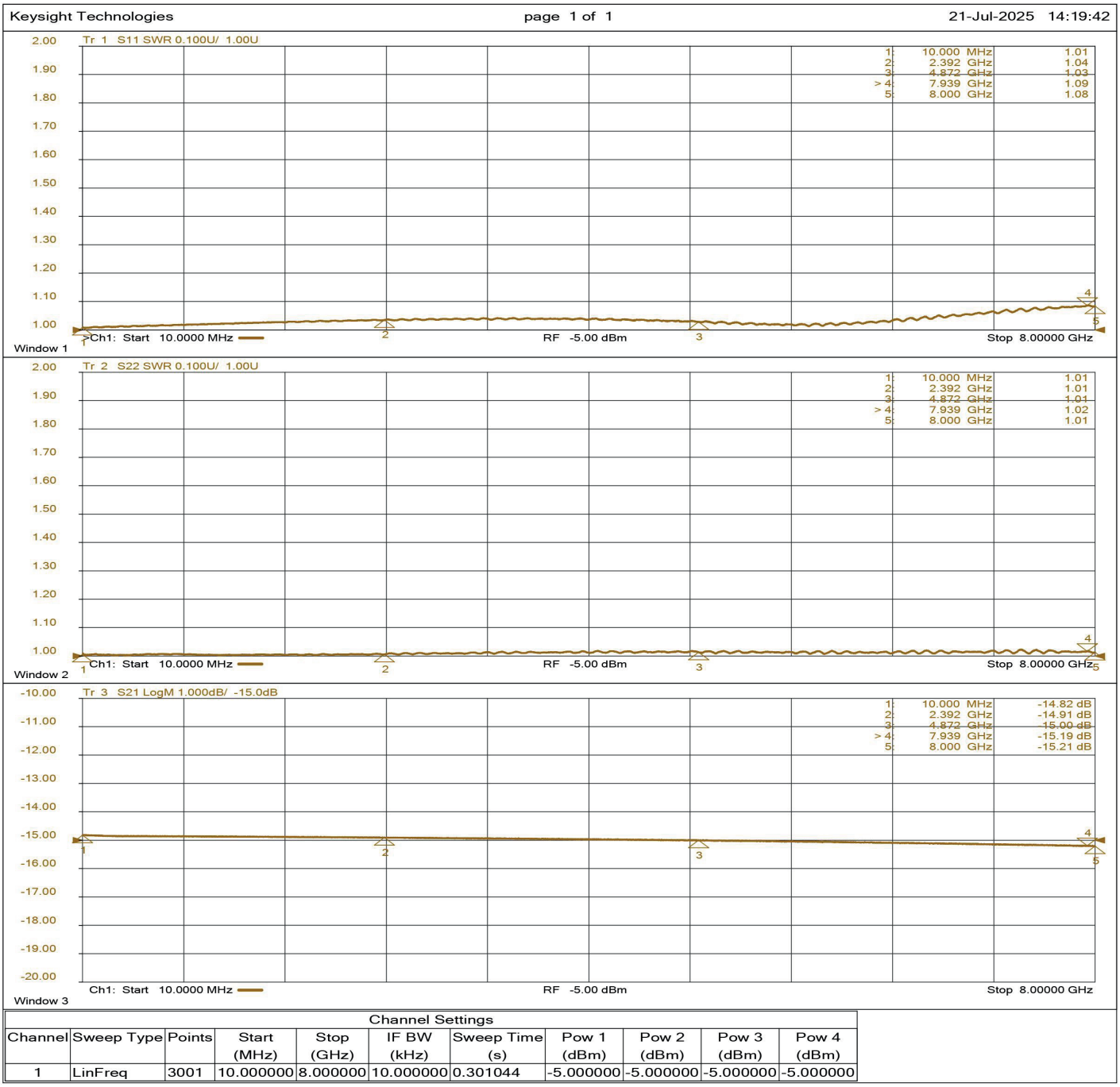


Channel Settings

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1	LinFreq	3001	10.000000	8.000000	10.000000	0.301044	-5.000000	-5.000000	-5.000000	-5.000000

10dB 典型实测曲线 10dB typical measured curve

性能测试曲线
Typical Performance Curves

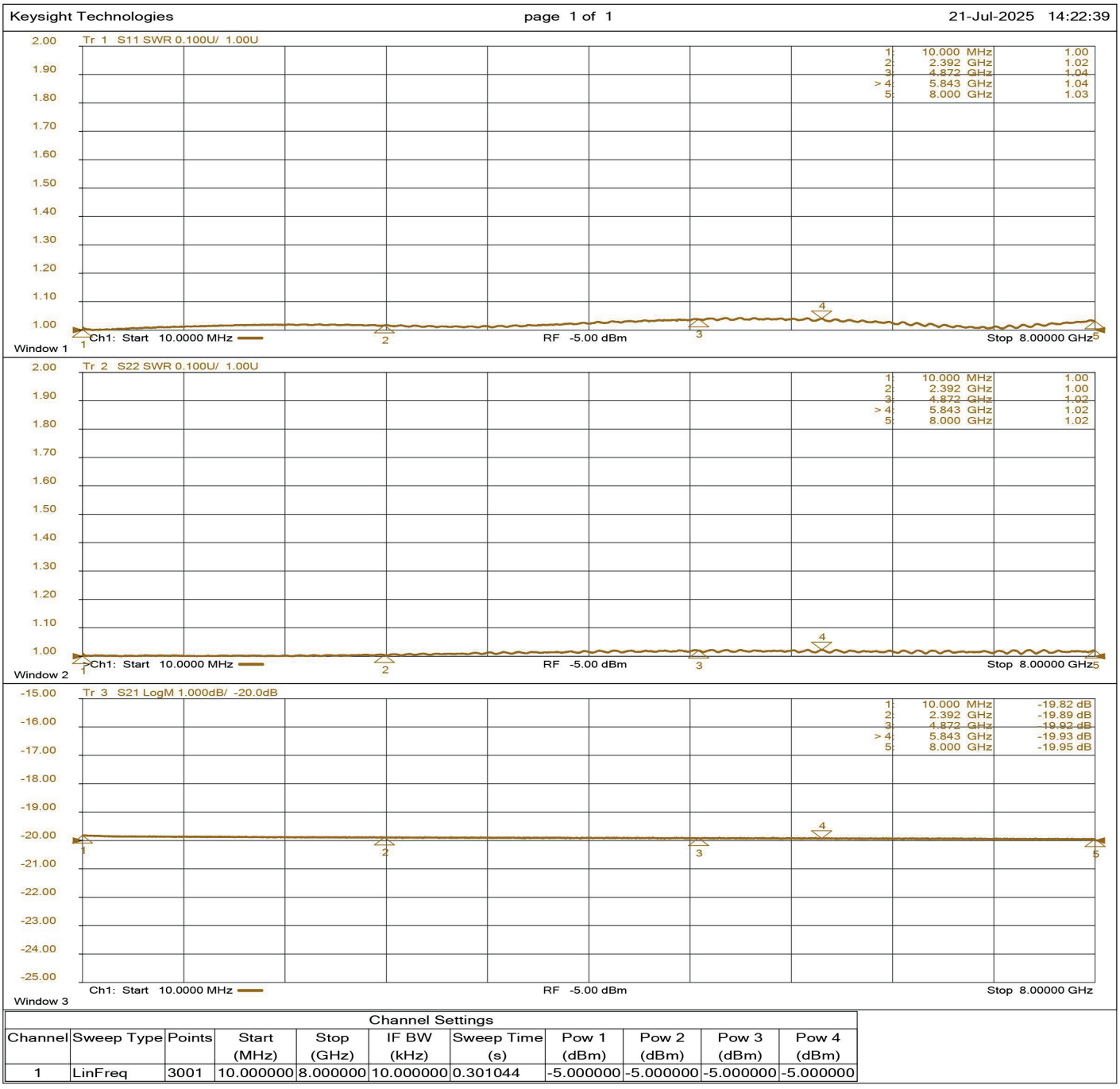


Channel Settings

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1	LinFreq	3001	10.000000	8.000000	10.000000	0.301044	-5.000000	-5.000000	-5.000000	-5.000000

15dB 典型实测曲线 15dB typical measured curve

性能测试曲线
Typical Performance Curves

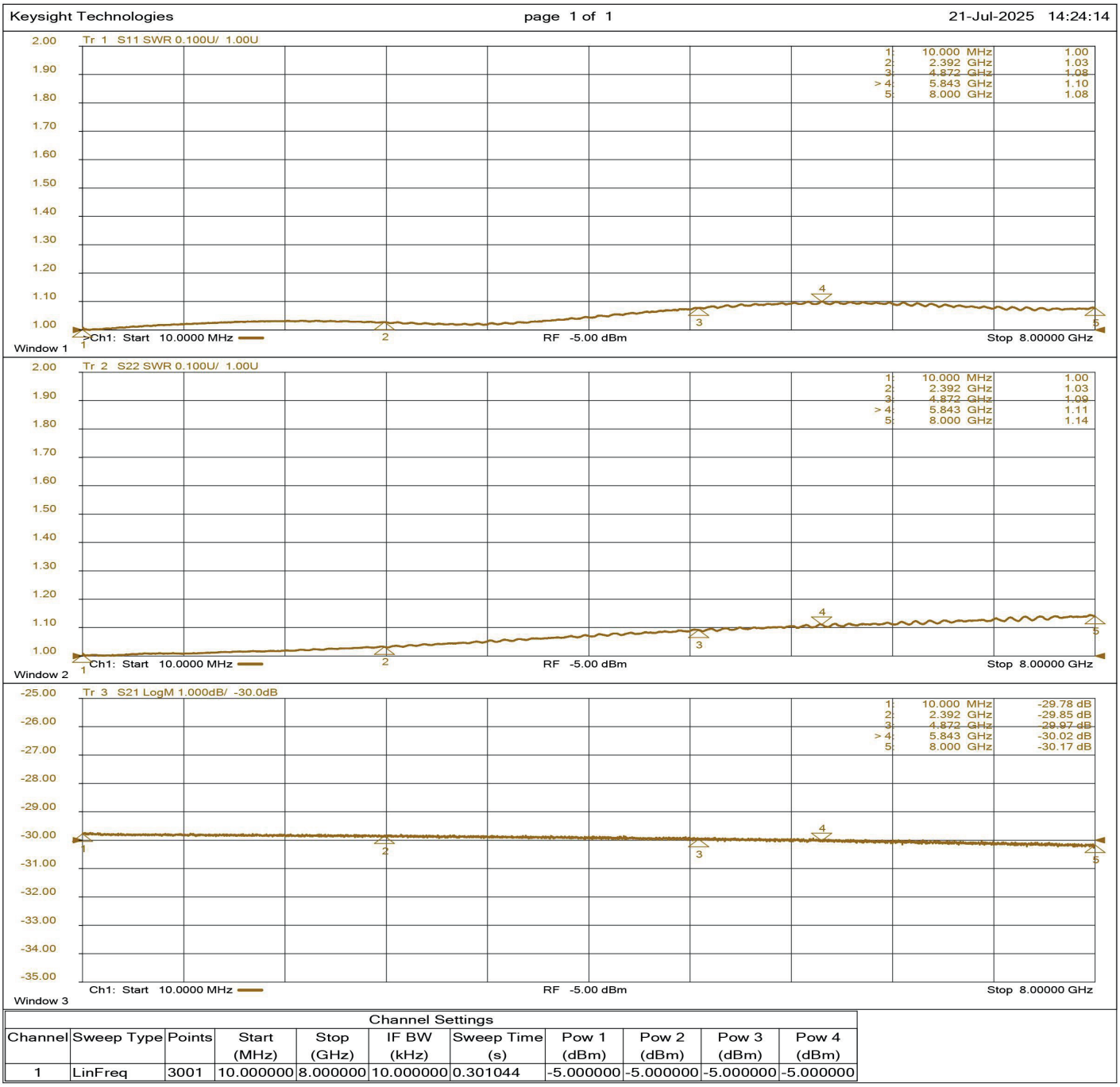


Channel Settings

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1	LinFreq	3001	10.000000	8.000000	10.000000	0.301044	-5.000000	-5.000000	-5.000000	-5.000000

20dB 典型实测曲线 20dB typical measured curve

性能测试曲线
Typical Performance Curves



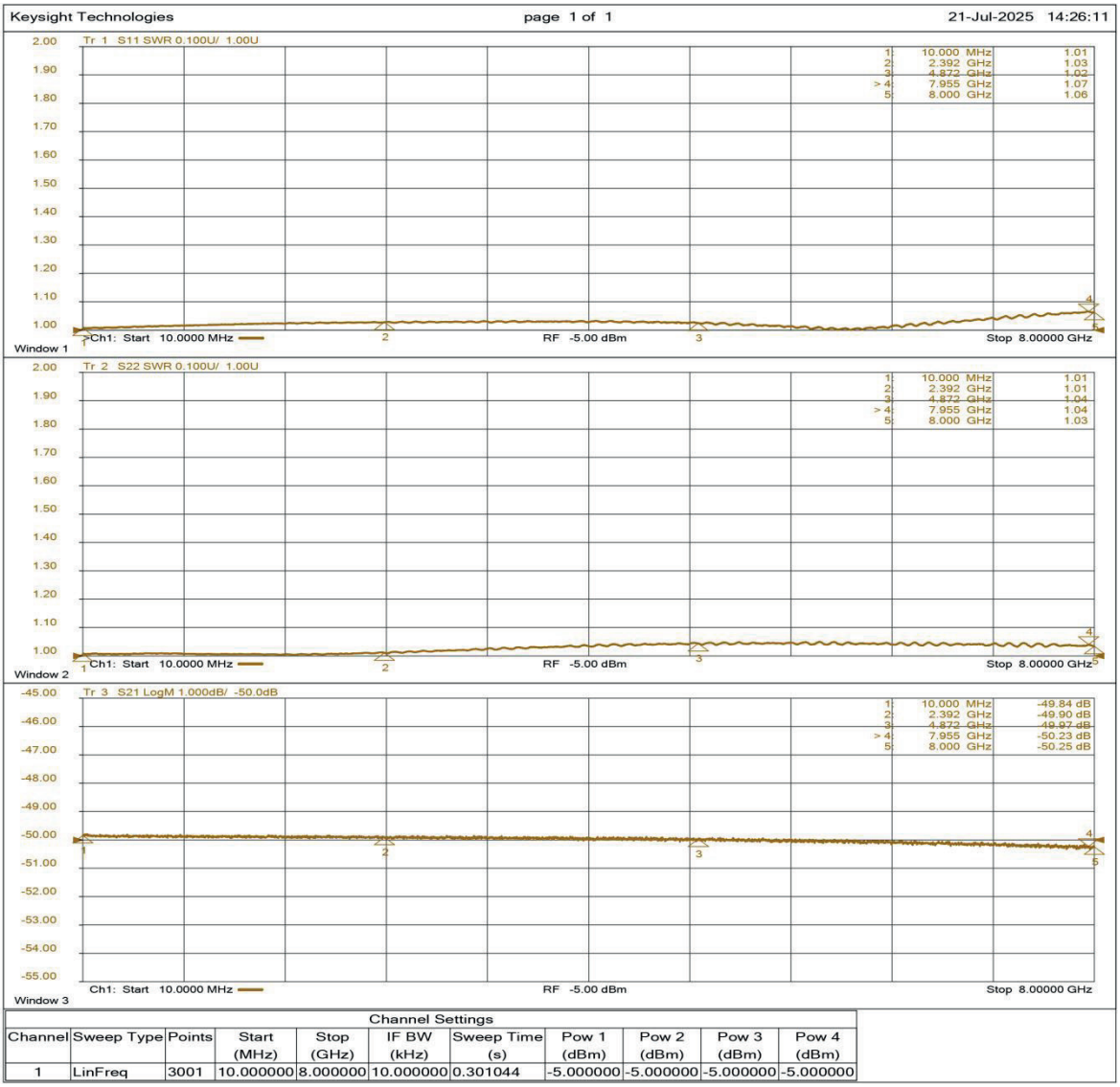
Channel Settings

Channel	Sweep Type	Points	Start (MHz)	Stop (GHz)	IF BW (kHz)	Sweep Time (s)	Pow 1 (dBm)	Pow 2 (dBm)	Pow 3 (dBm)	Pow 4 (dBm)
1	LinFreq	3001	10.000000	8.000000	10.000000	0.301044	-5.000000	-5.000000	-5.000000	-5.000000

30dB 典型实测曲线 30dB typical measured curve

性能测试曲线

Typical Performance Curves



Channel Settings

Channel	Sweep Type	Points	Start (MHz)	Stop (GHz)	IF BW (kHz)	Sweep Time (s)	Pow 1 (dBm)	Pow 2 (dBm)	Pow 3 (dBm)	Pow 4 (dBm)
1	LinFreq	3001	10.000000	8.000000	10.000000	0.301044	-5.000000	-5.000000	-5.000000	-5.000000

50dB 典型实测曲线 50dB typical measured curve

使用说明及定制服务

Instructions for use and Customized Services

1、为保证最佳性能，输入功率**超过平均功率 50%**，请使用风扇等方式散热（**风量≥30CFM**），保持腔体表面温度在 85 度以内。

2、请参考右侧功率降额曲线，在 100°C 时线性降额至 5W。

3、单向衰减器要注意输入/输出标记。

4、定制服务包括：接头类型，方向性，特殊 dB 值，外形尺寸，更优的衰减精度及 VSWR。