

ERI-SMAJKS-18-2W-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

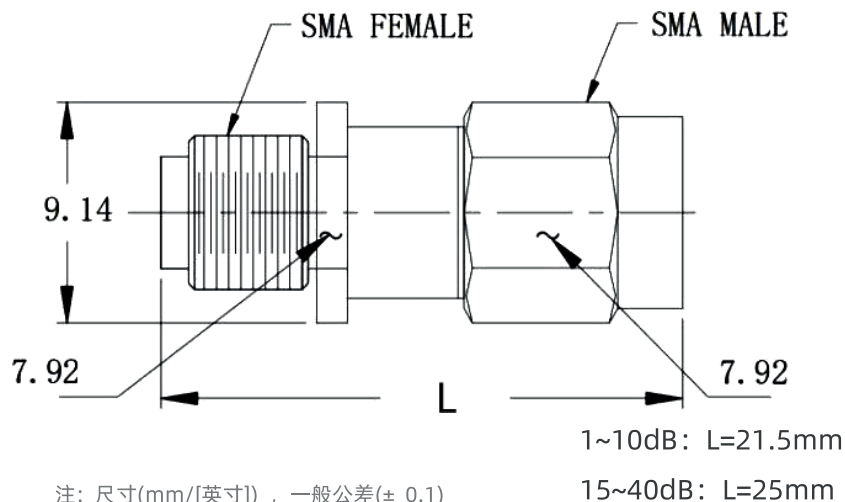
产品参数 Parameters

频率范围 Frequency Range:	DC-18GHz (0-18000MHz)
阻抗 Impedance:	50 Ω
驻波比 VSWR:	1.35:1 @1-30dB / 1.40:1@40dB
衰减值 Attenuation Value:	1-40dB, 可定制
平均功率 Average Input Power:	2 W@25°C
温度系数 Temperature Coefficient:	250W (5 μ sec pulse width, 0.4% duty cycle)
峰值功率 Peak Power:	<0.0004 dB/°C
绝缘电阻 Insulation Resistance:	$\geq 5000M\Omega$

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°C ~ +125°C
内导体材质 Inner Conductor Material:	镀青铜 镀金 Gold plated beryllium copper
外导体材质 External Conductor Material:	不锈钢 钝化 Passivated stainless steel
外形尺寸 Outline Dimensions:	1~10dB: 9.14*21.5 (mm) 15~40dB: 9.14*25 (mm)
绝缘体 Insulator:	PTFE

规格尺寸 Outline Drawing



注: 尺寸(mm/[英寸]), 一般公差(± 0.1)

Note: Dimensions (mm / [inch]), General tolerance (± 0.1)

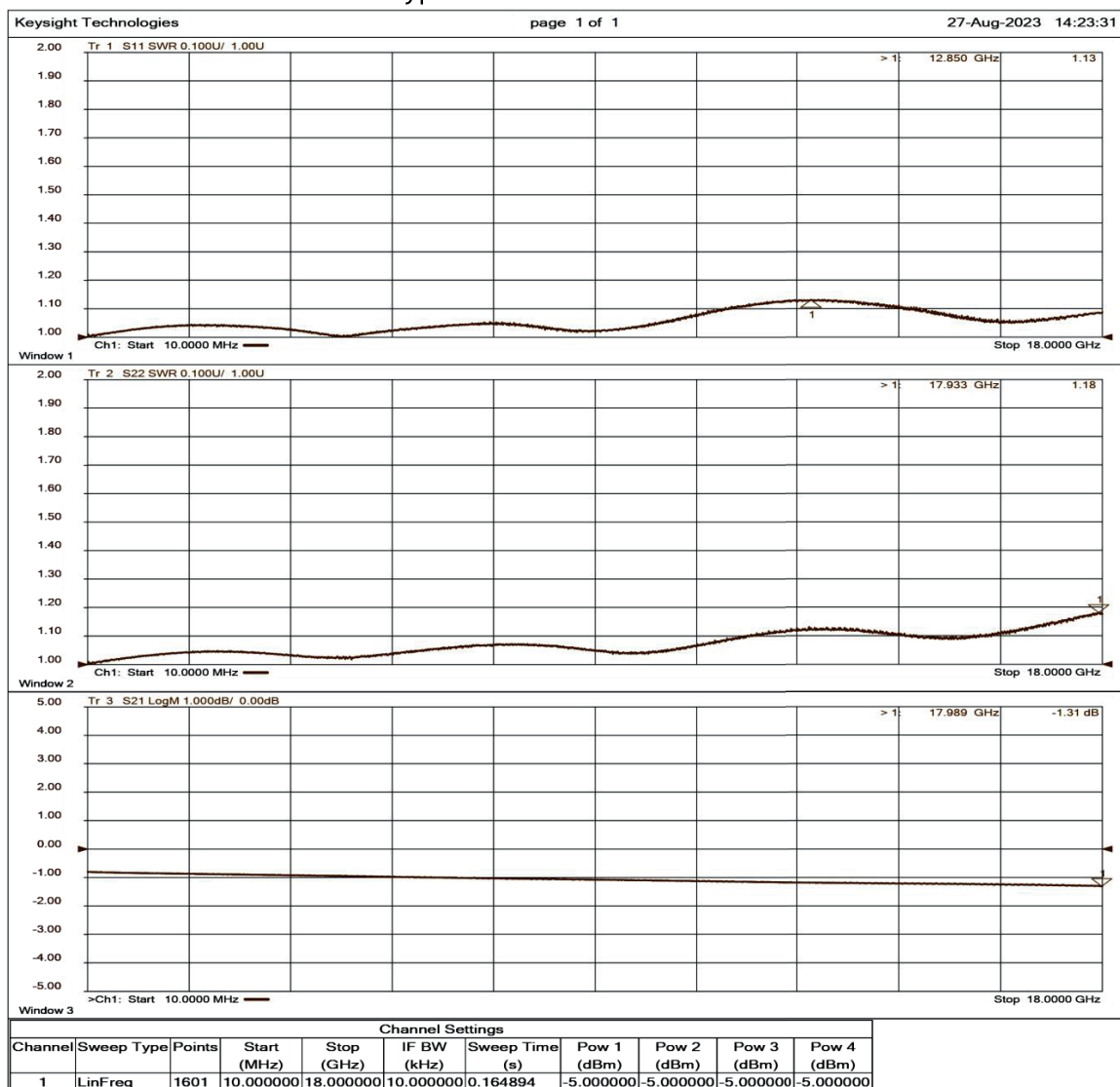
衰减值及衰减精度

Attenuation Value and Attenuation Accuracy

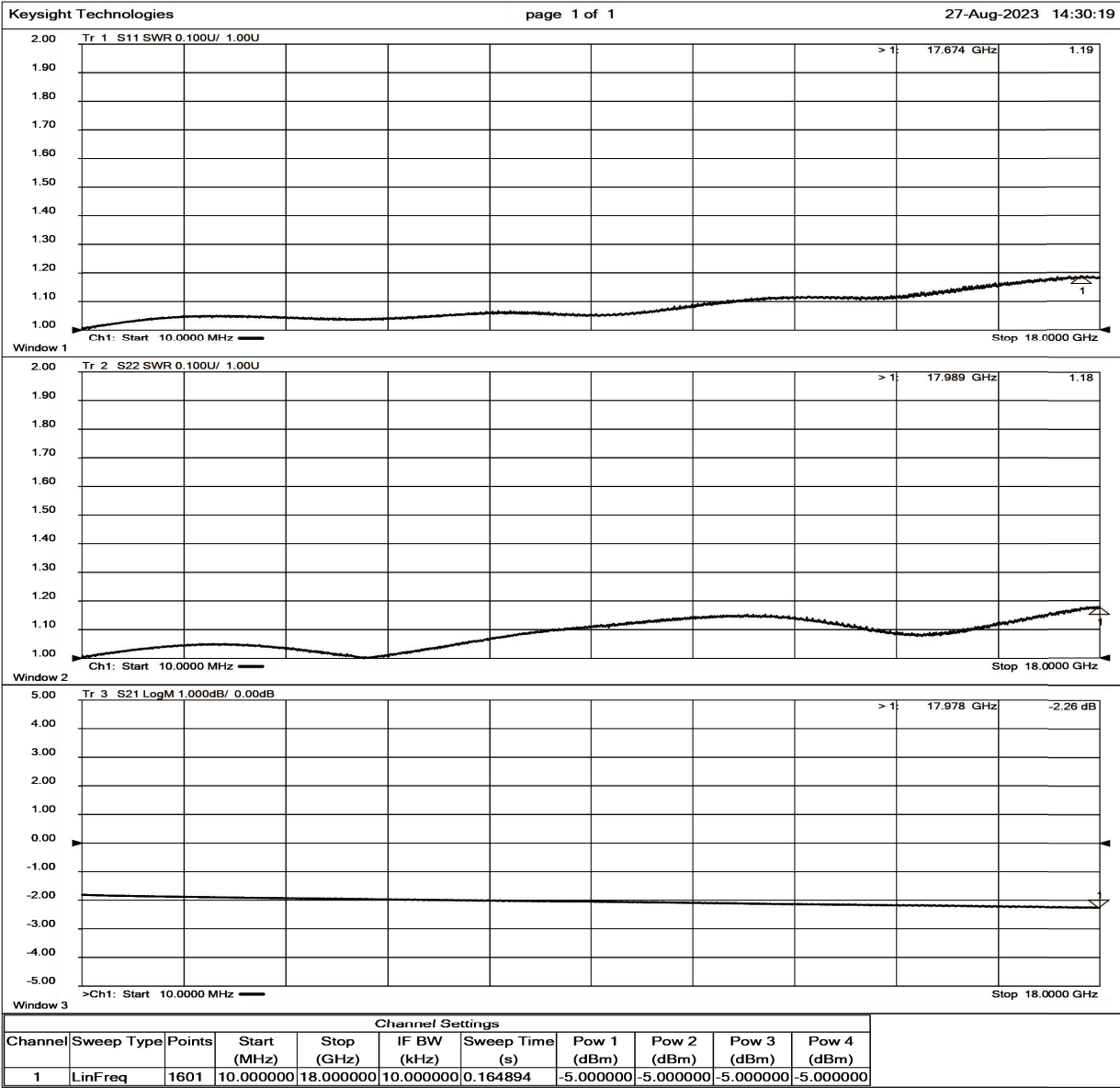
衰减值 Attenuation Value (dB)	衰减精度 Attenuation Accuracy (dB)
1~5dB	± 0.5
6~10dB	± 0.6
12~15dB	± 0.75
20dB	-0.5 ~ +1.2
30dB	± 1.2
40dB	± 1.5

性能测试曲线

Typical Performance Curves

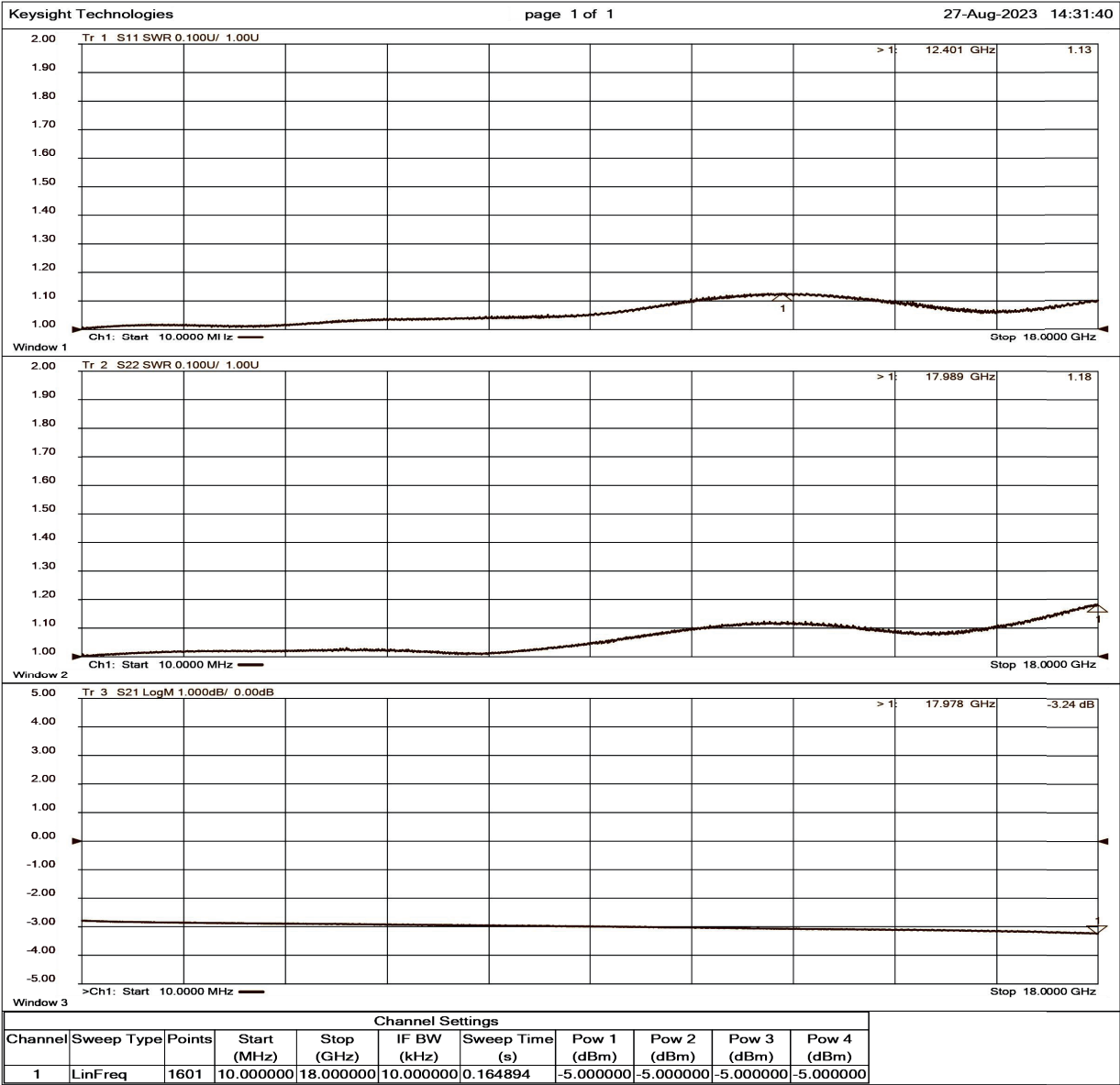


性能测试曲线
Typical Performance Curves



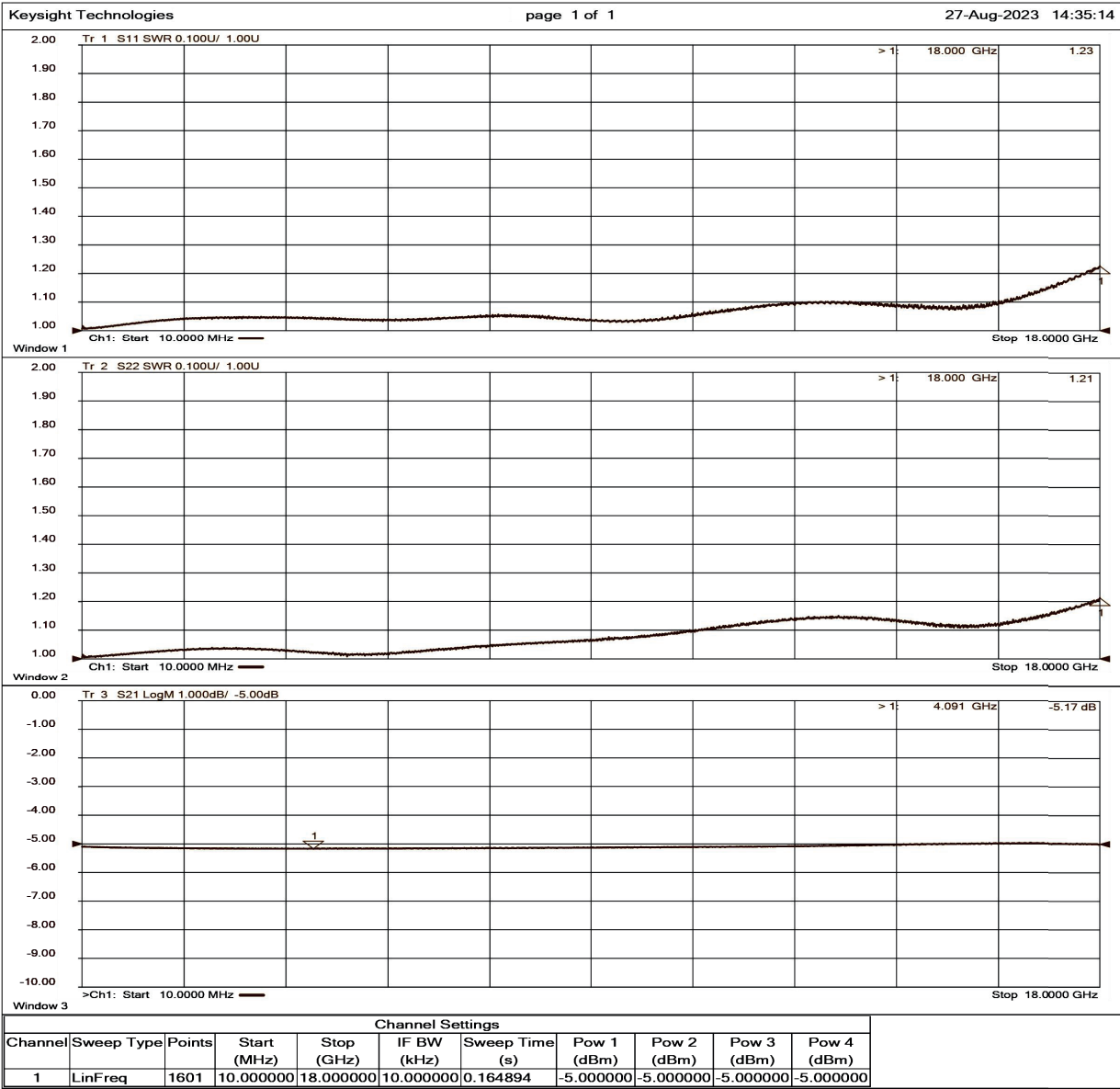
2dB 典型实测曲线 2dB typical measured curve

性能测试曲线
Typical Performance Curves



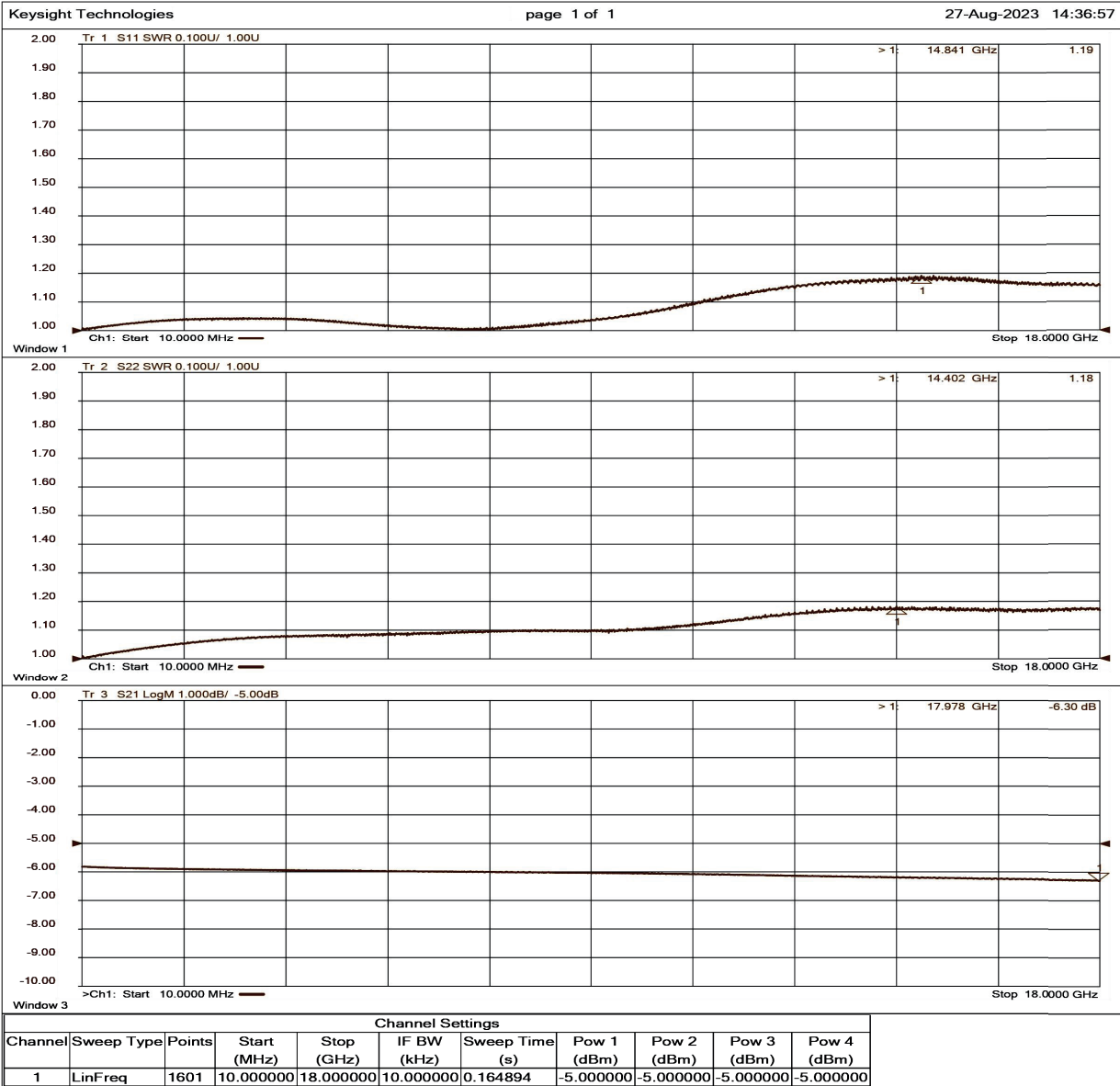
3dB 典型实测曲线 3dB typical measured curve

性能测试曲线
Typical Performance Curves



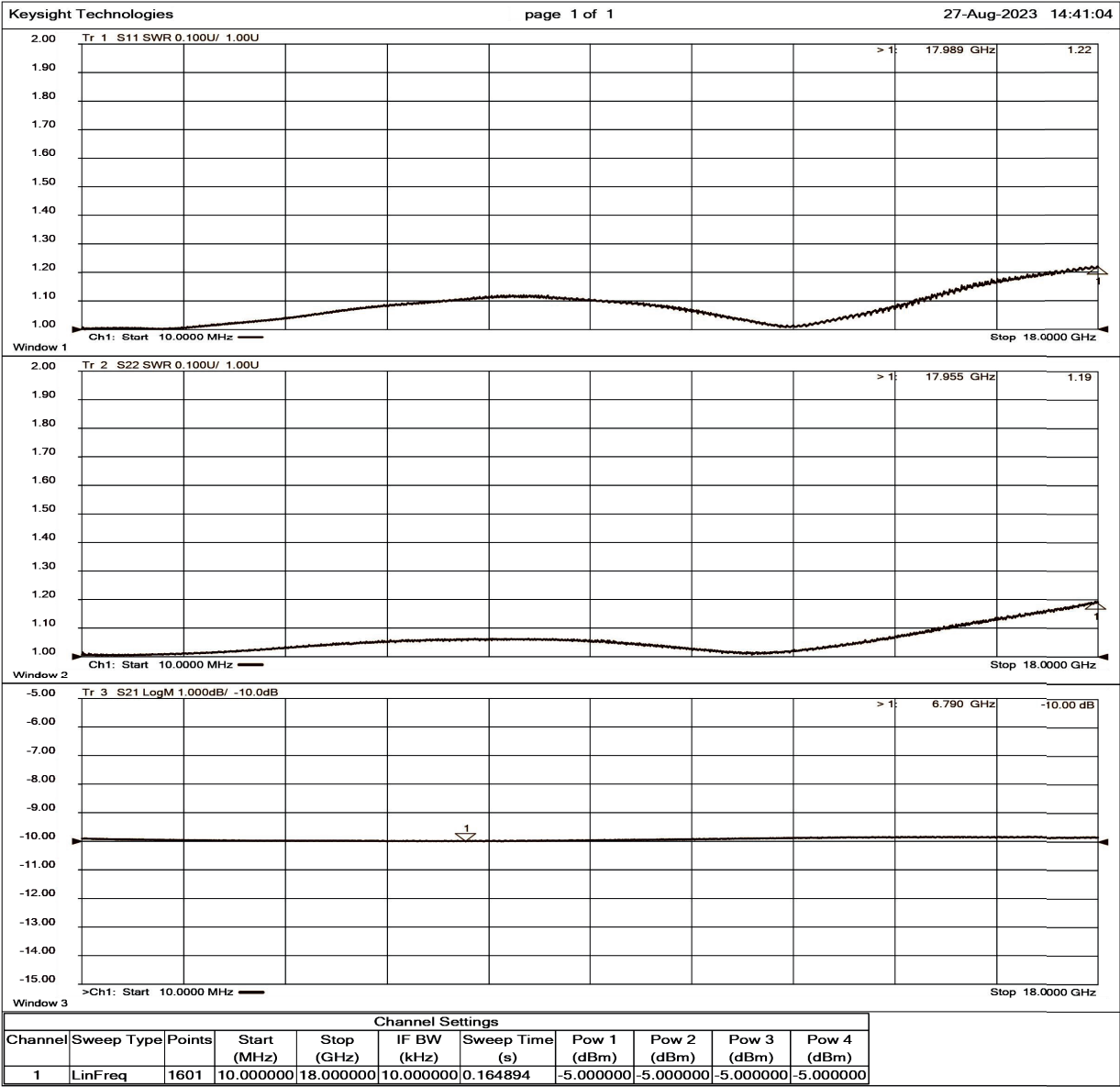
5dB 典型实测曲线 5dB typical measured curve

性能测试曲线
Typical Performance Curves



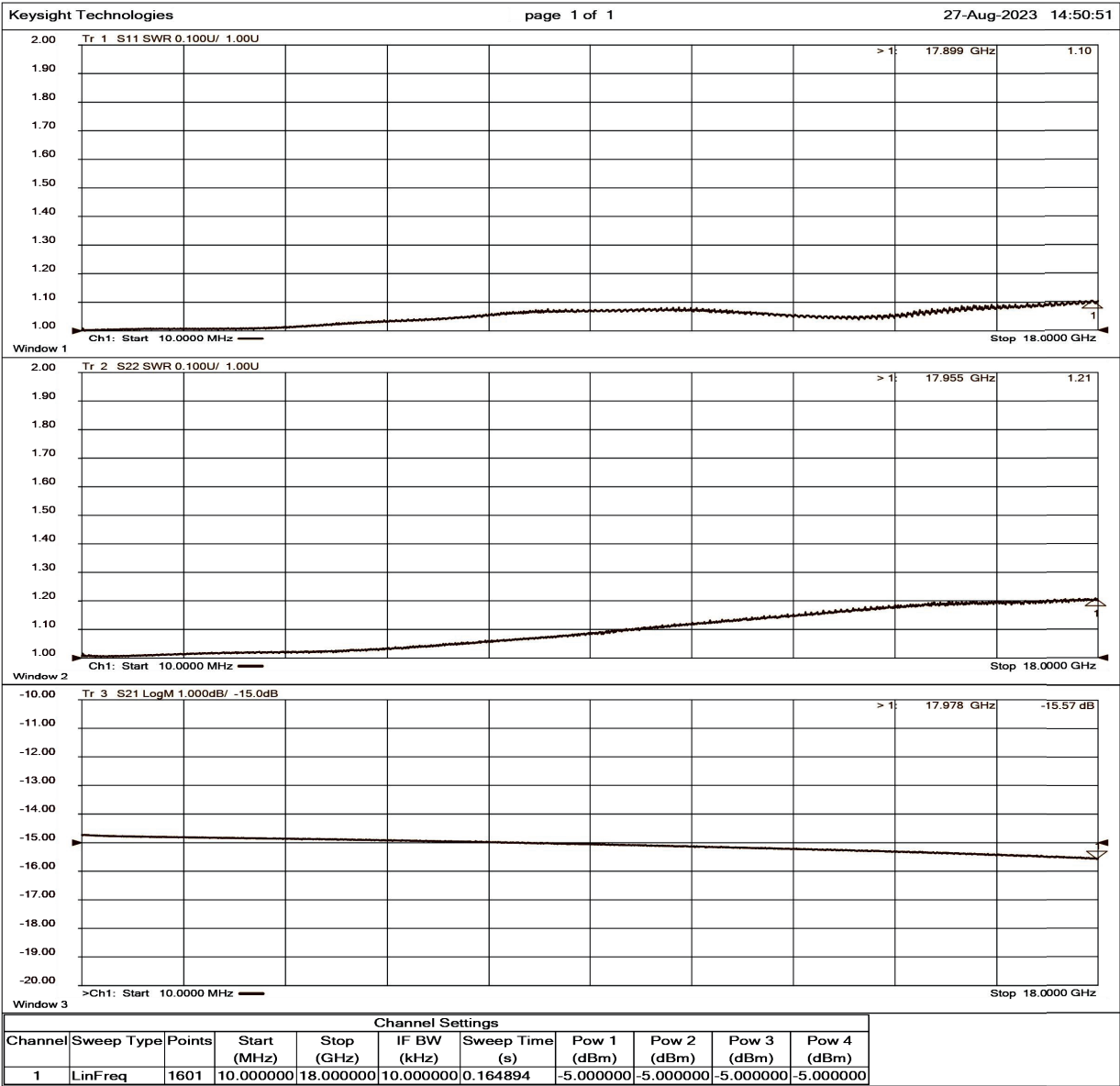
6dB 典型实测曲线 6dB typical measured curve

性能测试曲线
Typical Performance Curves

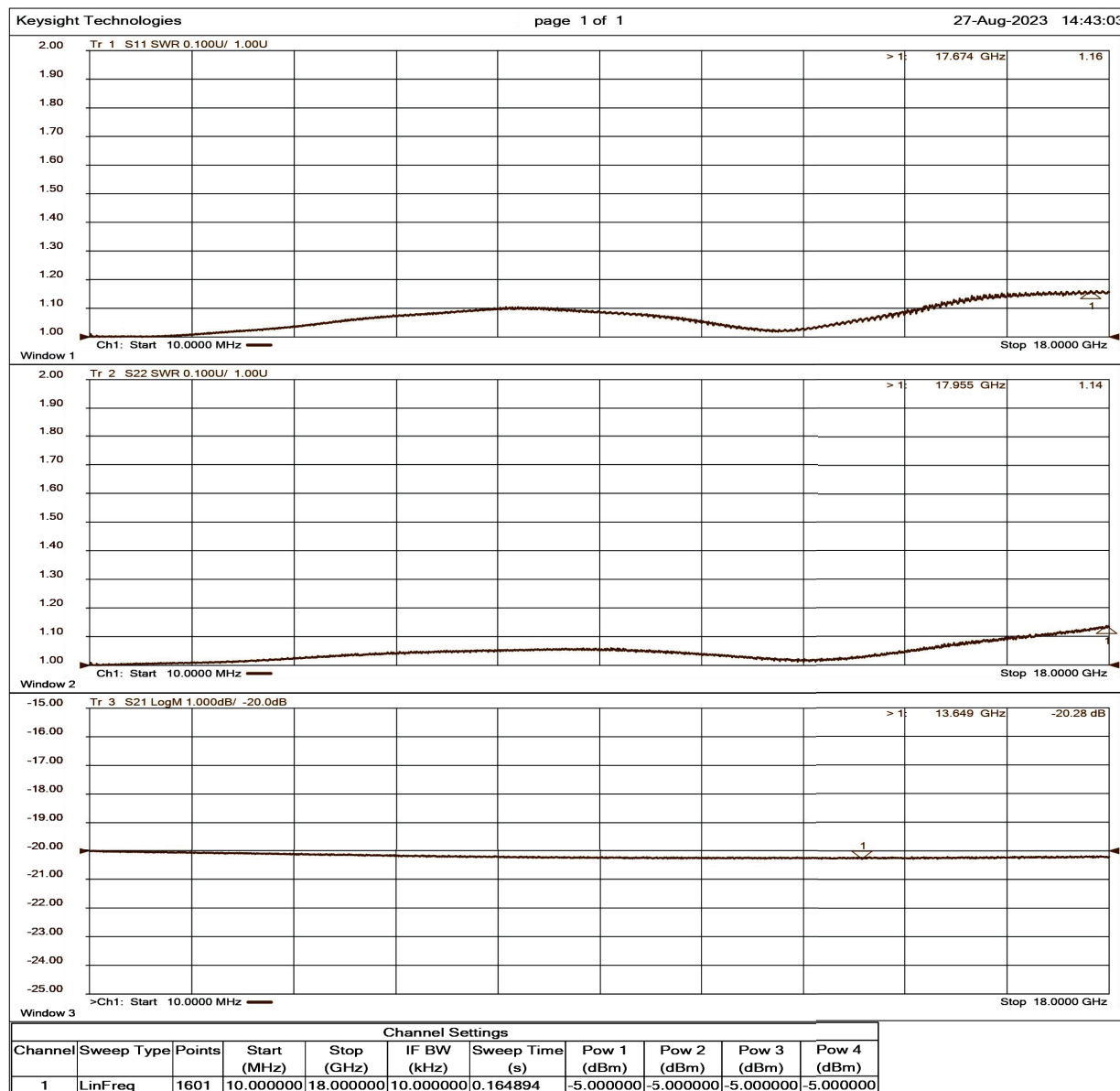


10dB 典型实测曲线 10dB typical measured curve

性能测试曲线
Typical Performance Curves

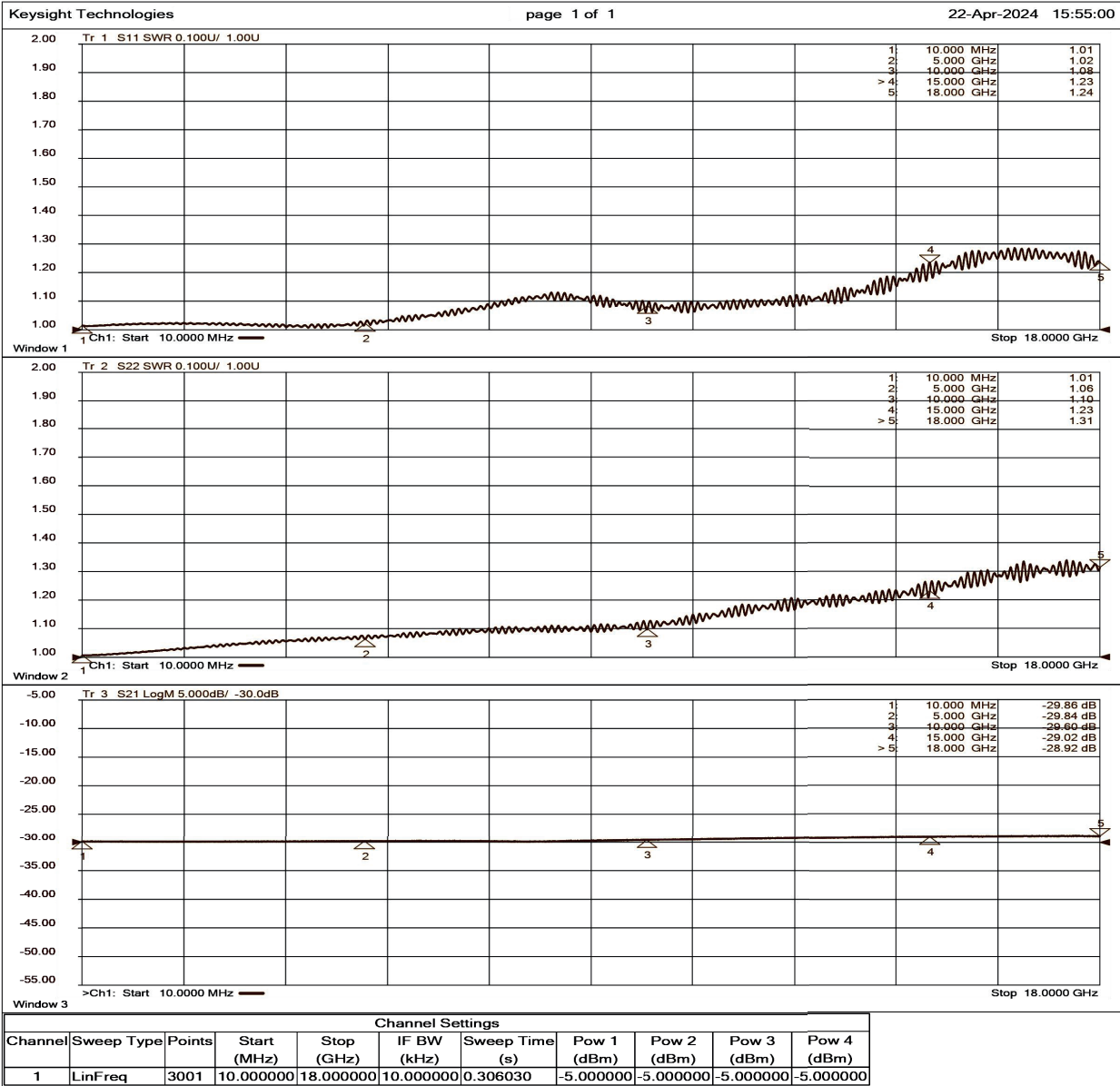


15dB 典型实测曲线 15dB typical measured curve

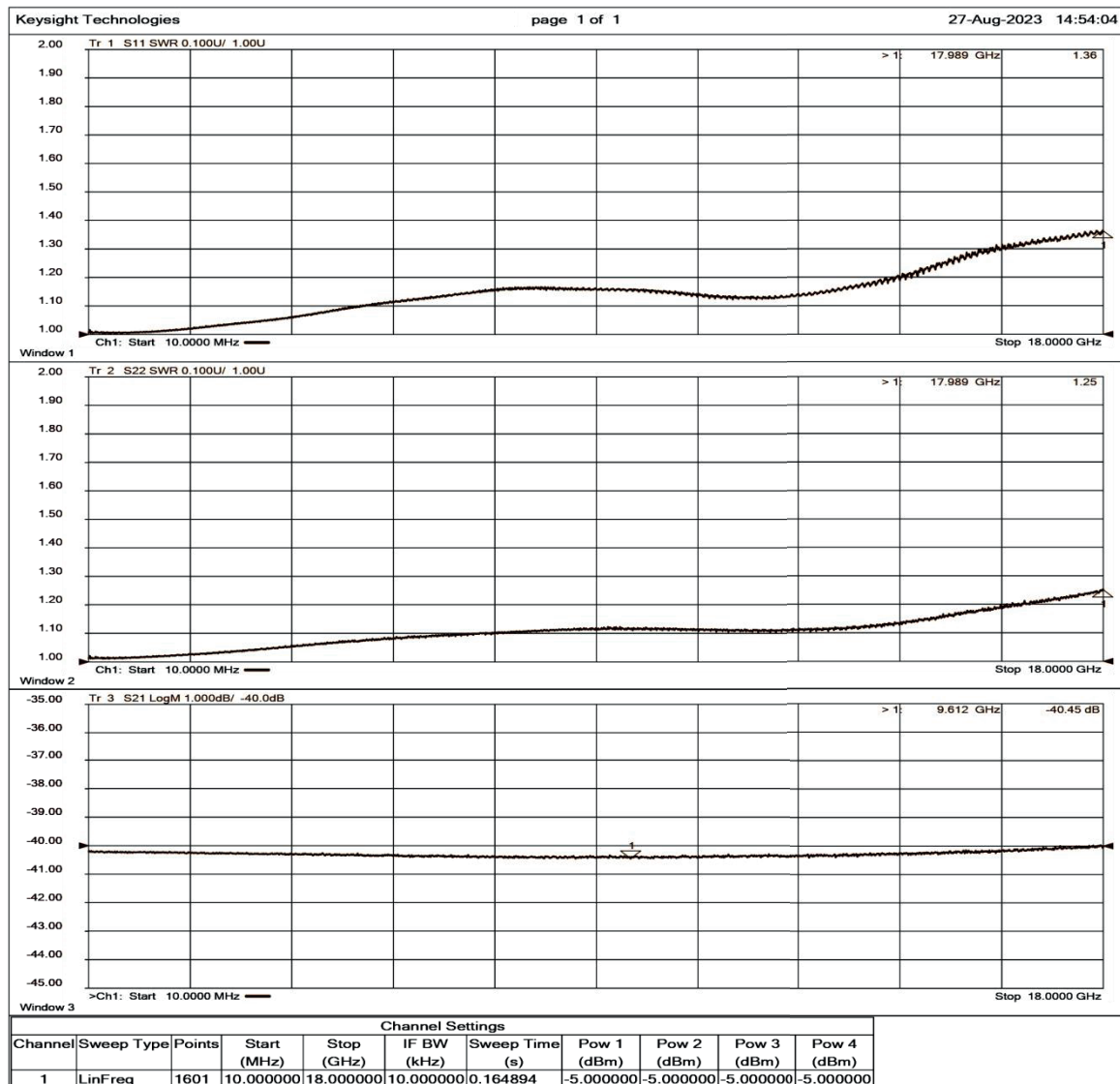
性能测试曲线
Typical Performance Curves

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

性能测试曲线
Typical Performance Curves



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

性能测试曲线
Typical Performance Curves

40dB 典型实测曲线 40dB 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 $\geq 30\text{CFM}$ ），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。

