



**SUMMARY TEST DATA**  
**ON**  
**PEC4-16-8G18G-4R7-18-15-SFF-OPTSL**

Customer: \_\_\_\_\_ Tested By: **FREDESWINDO C. CORTES JR**  
SO No: \_\_\_\_\_ Temperature: **+25°C**  
Model No: **PEC4-16-8G18G-4R7-18-15-SFF-OPTSL** Date: **09/05/24**  
Serial No: **PL47489/2432** Drawing No: **27628833** Rev: **A1**

| TEST.<br>ITEM NO | PARAMETERS              | SPECIFIED VALUE                  | TEST<br>RESULTS         | QA<br>QC      |
|------------------|-------------------------|----------------------------------|-------------------------|---------------|
| 1                | Frequency Range:        | 8.0 to 18.0 GHz                  | 8.0 to 18.0 GHz         | AID<br>↓<br>✓ |
| 2                | Gain @ 8.0 GHz:         | 13 dB Min, 16 dB Max             | 15.74 dB<br>(See Plot)  |               |
| 3                | Gain Flatness:          | ±1.50 dB Max                     | +/- 1.345<br>(See Plot) |               |
| 4                | Gain Slope to 18.0 GHz: | -2.5 dB to -3.5 dB               | - 2.69 dB<br>(See Plot) |               |
| 5                | Noise Figure:           | 4.7 dB Max                       | 3.246dB<br>(See Plot)   |               |
| 6                | OP1dB:                  | +18 dBm Typ                      | 20.42 dBm<br>(See Plot) |               |
| 7                | VSWR Input:             | 1.67:1 Max                       | 1.58:1<br>(See Plot)    |               |
| 8                | VSWR Output:            | 2.25:1 Max                       | 2.13:1<br>(See Plot)    |               |
| 9                | Maximum Input:          | +30 dBm CW                       | Pass                    |               |
| 10               | DC Supply:              | +12.5 to +28 VDC<br>@ 250 mA Typ | 135 mA                  |               |

QA/QC Approval: \_\_\_\_\_

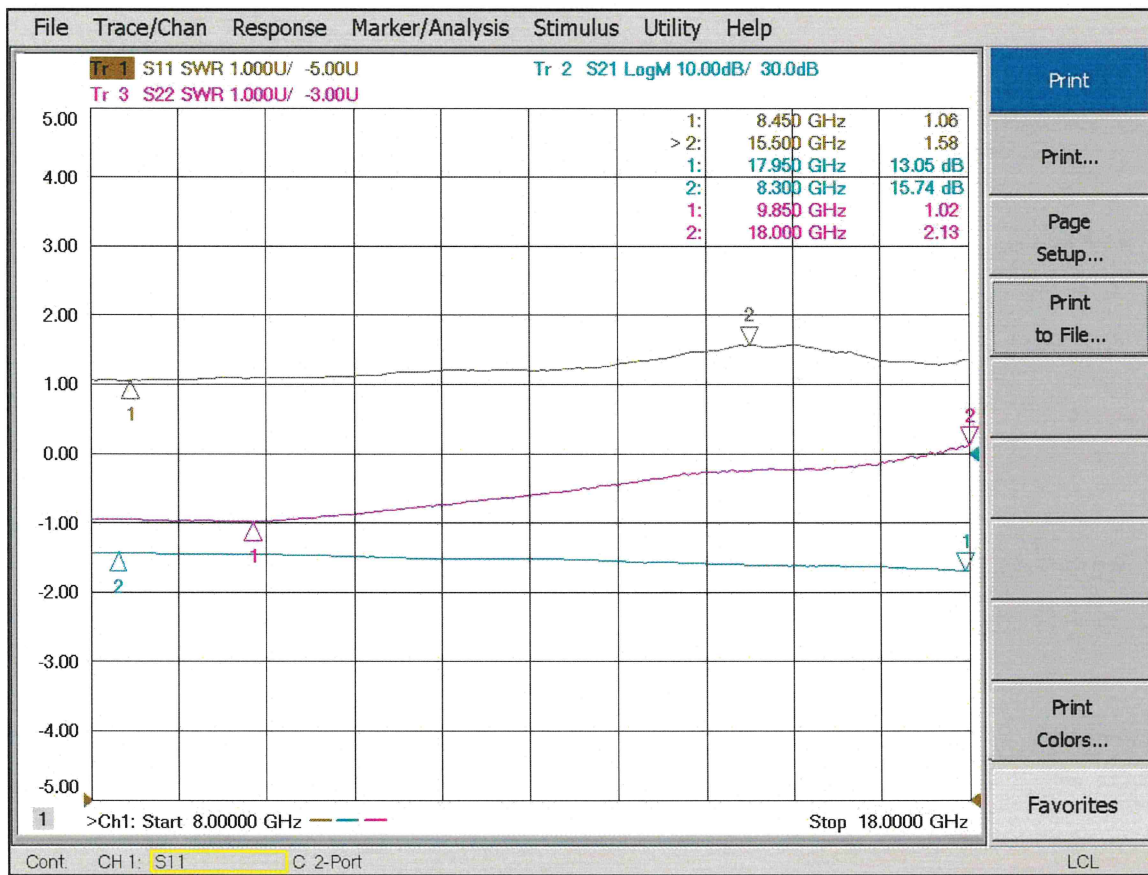
Date: \_\_\_\_\_

4921 Robert J. Mathews Parkway, Suite 1, El Dorado Hills, CA, 95762  
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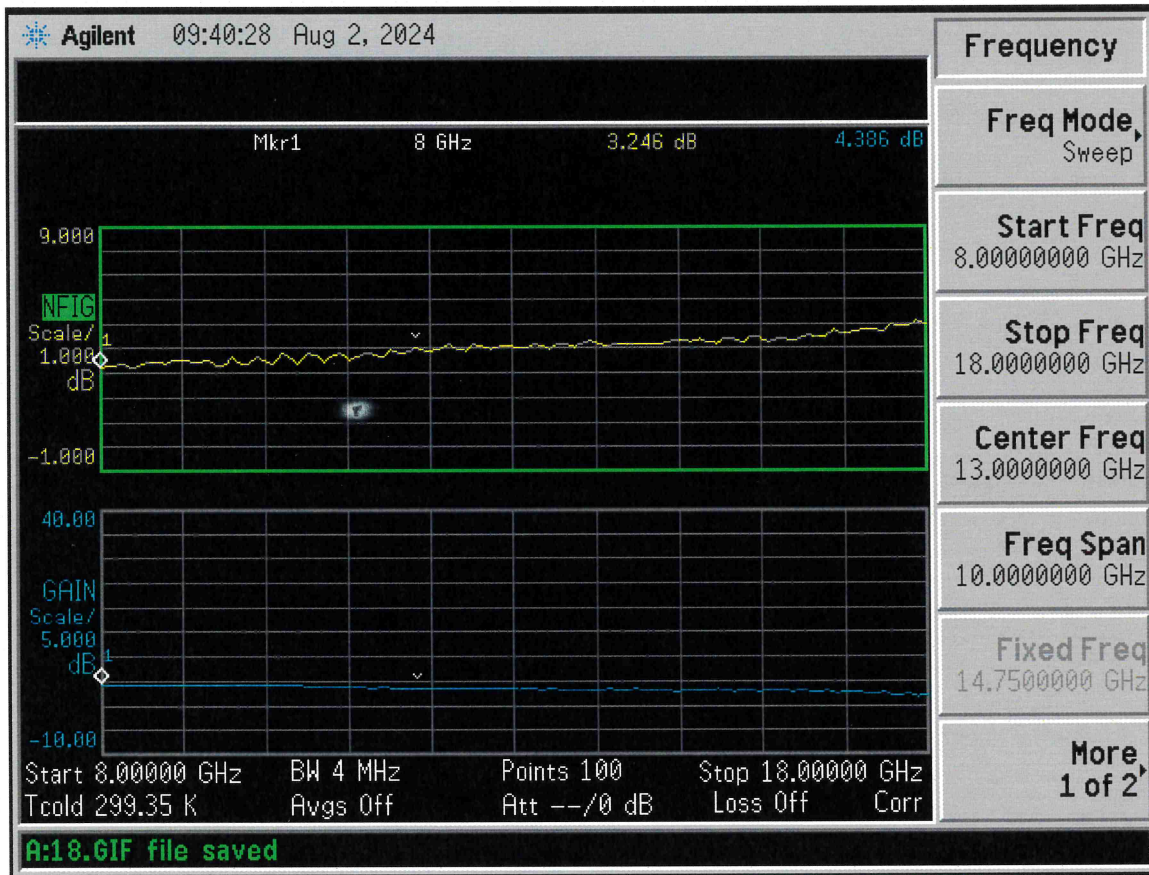
**GAIN & VSWR**





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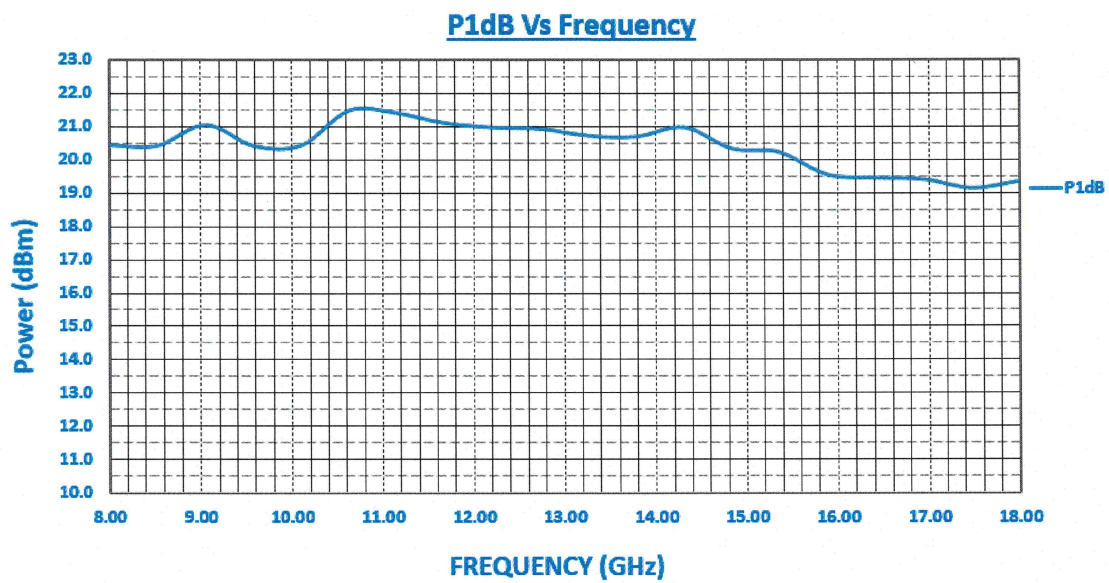
**NOISE FIGURE**





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**P-1dB**



FREQ 1dB COMPRESSION

Average P1dB  
20.42 dBm

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