

SUMMARY TEST DATA ON LM-1G18G-2W-SFF-BIAS

Customer: _____
SO No: _____
Model No: LM-1G18G-2W-SFF-BIAS
Serial No: PL42215/2338

Tested By: L. McGraw
Temperature: +25°C
Date: 2/21/2025
Drawing No: 27646220 REV:

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	Test Results	QA QC
1	Frequency Range:	1 to 18 GHz	1 to 18 GHz	PMI QA2
2	Insertion Loss:	2 dB Max.	1.28 dB (-1V)	
			1.38 dB (-0.5V)	
			1.54 dB (0V)	
			See Graph	
3	Input/Output VSWR:	2.0:1 Max.	1.44 :1 (-1V)	
			1.43 :1 (-0.5V)	
			1.49 :1 (0V)	
			See Graph	
4	RF Leakage (2W Input):	26.75 dBm Typ (-1V) 24.75 dBm Typ (-0.5V) 23.4 dBm Typ (0V)	Pass See Typical Characteristics	
5	P1dB:	+19 dBm Typ. (-1V) +16 dBm Typ. (-0.5V) +11 dBm Typ. (0V)	+17 dBm @ -1V	
			+14 dBm @ -0.5V	
			+9 dBm @ 0V	
			See Graph	
6	Set Voltage Control	-10 to 0 VDC @ 1 mA Max.	0 to -1.0 VDC See Graph	PMI QA2

QA/QC Approval:

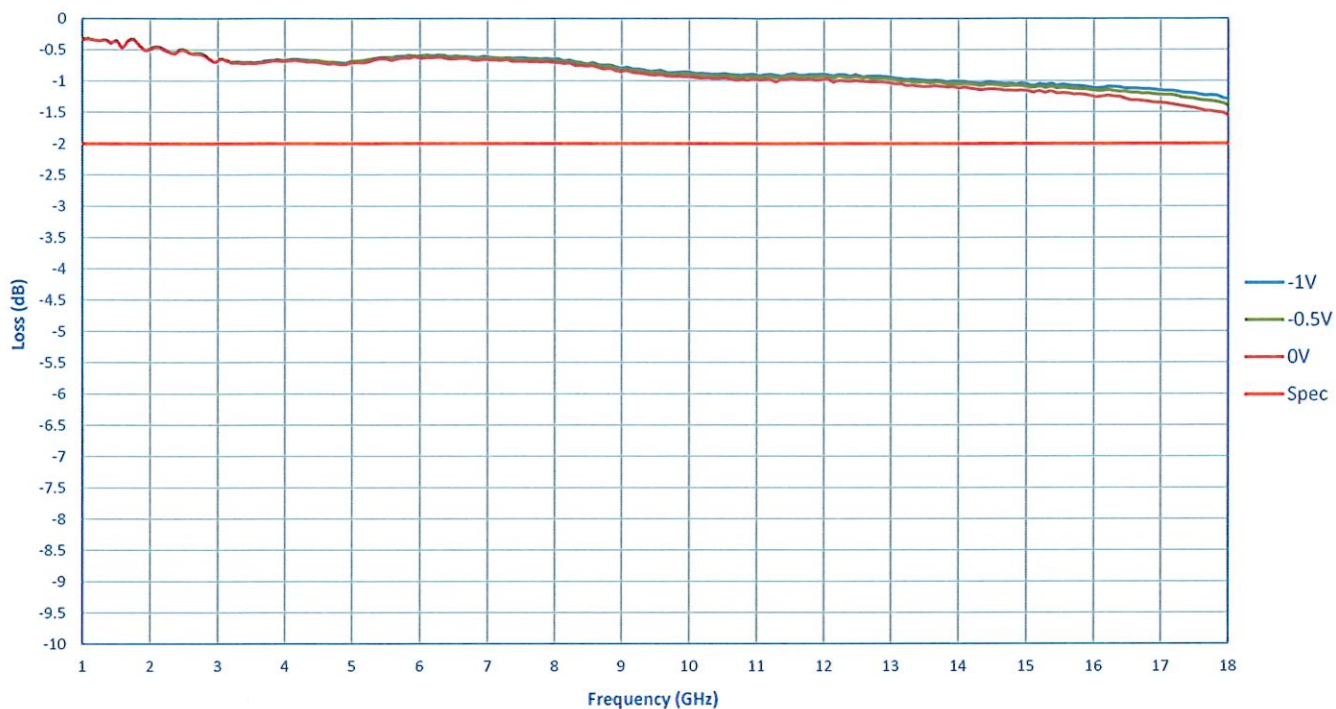
PM1
QA2

Date:

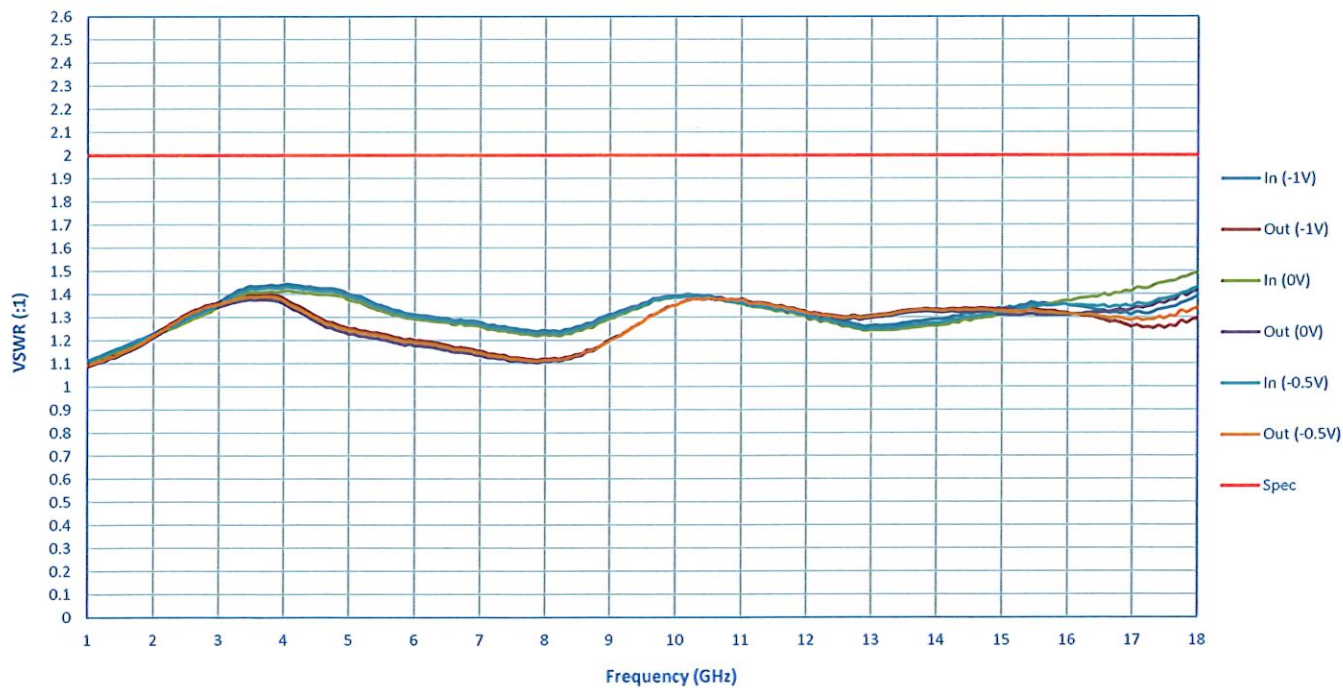
3/17/2025

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Insertion Loss

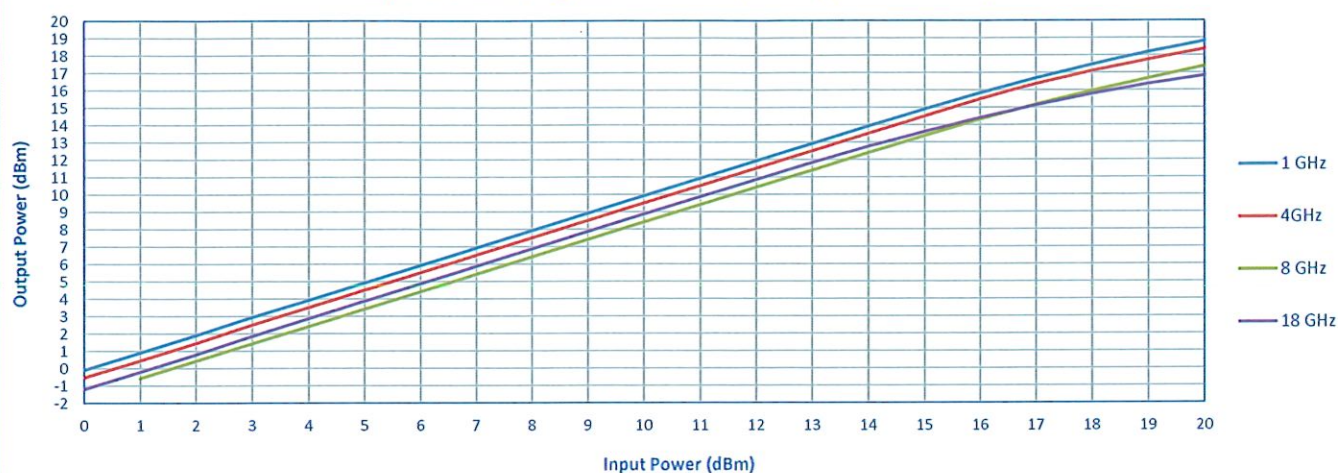


VSWR

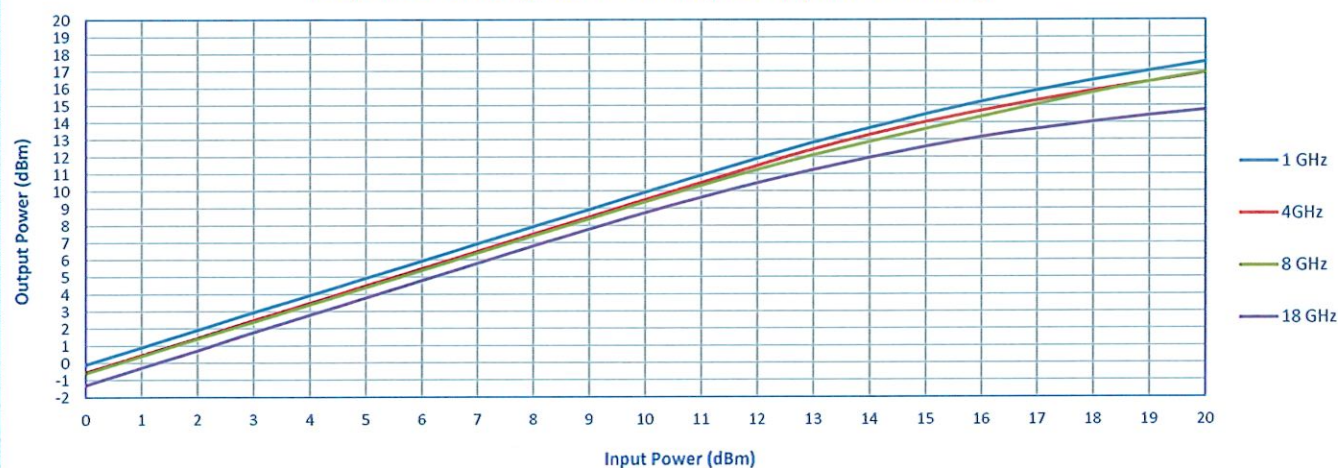


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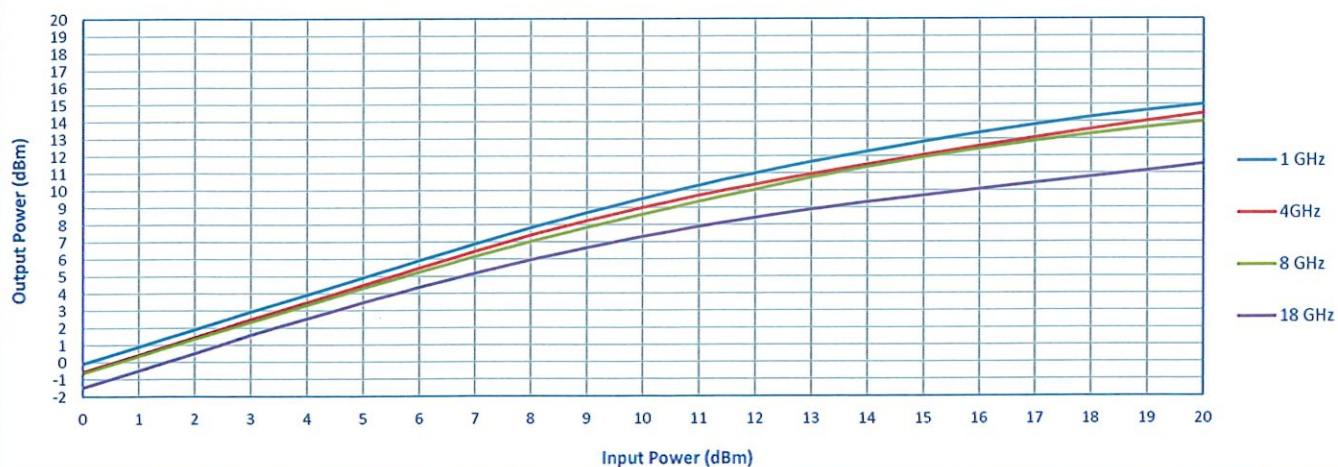
Response Limiting Curve Vs Frequency (-1 VDC Bias)



Response Limiting Curve Vs Frequency (-0.5 VDC Bias)



Response Limiting Curve Vs Frequency (0 VDC Bias)



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