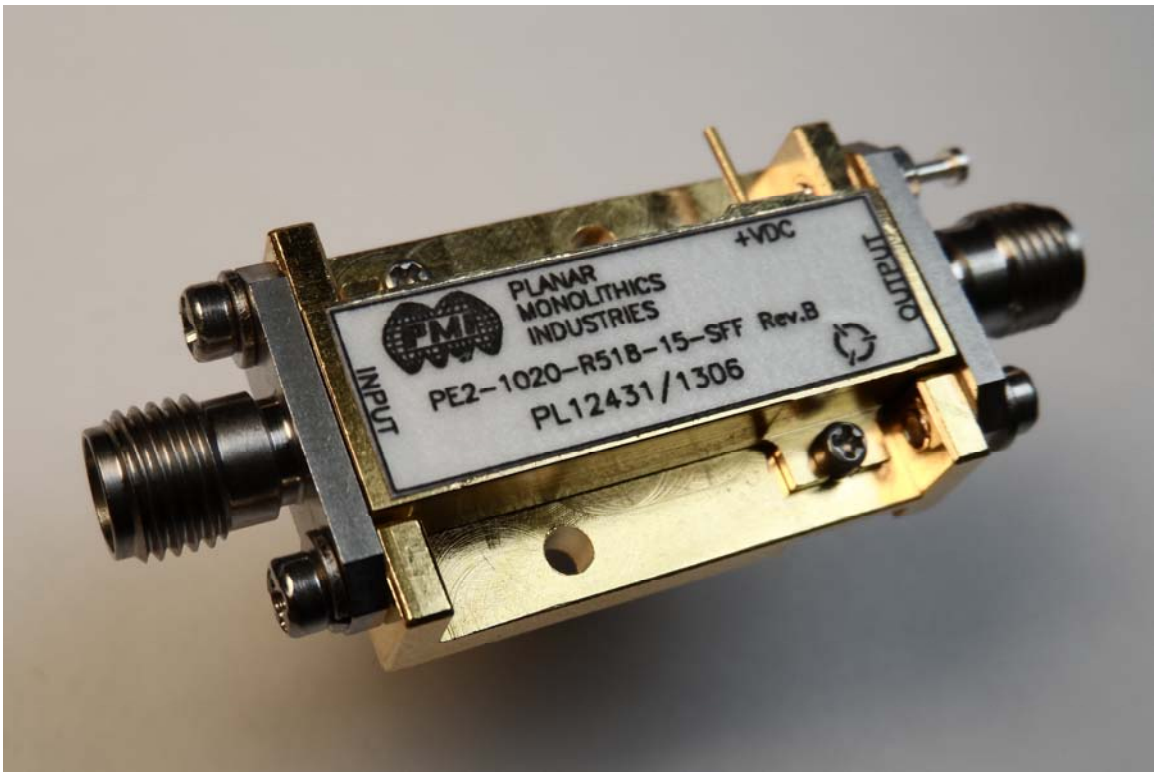
PL12431/1306

Typical Characteristics
On
PE2-1020-R518-15-SFF Rev. B



February 07, 2013
Tested By: Hugo Gonzales
Reported by: Hugo Gonzales

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ITEM NO.	PARAMETERS	SPECIFIED VALUE		MEASURED VALUE	REMARKS QA/QC
1	Frequency Range:	0.5 - 18 GHz		**0.5 - 18 GHz**	
2	Gain:	0.5-2.0 GHz 2.0-4.0 GHz 4.0-9.0 GHz 9.0-18.0 GHz	10 dB Typ. 14 dB Typ. 15 dB Typ. 17 dB Typ.	**10.89dB** **13.12dB** **17.55dB** **20.37dB**	
3	Noise Figure:	Not Specified		**10.12dB**	
4	Pout @ 1dB Compression:	+14dBm Min.		**≥+14dBm**	
5	VSWR: (Input/Output)	2.5:1 Max.		**Input 2.28:1** **Output 1.48:1** **See Plot**	
6	DC Supply:	350mA @ +15VDC Max.		**141mA**	

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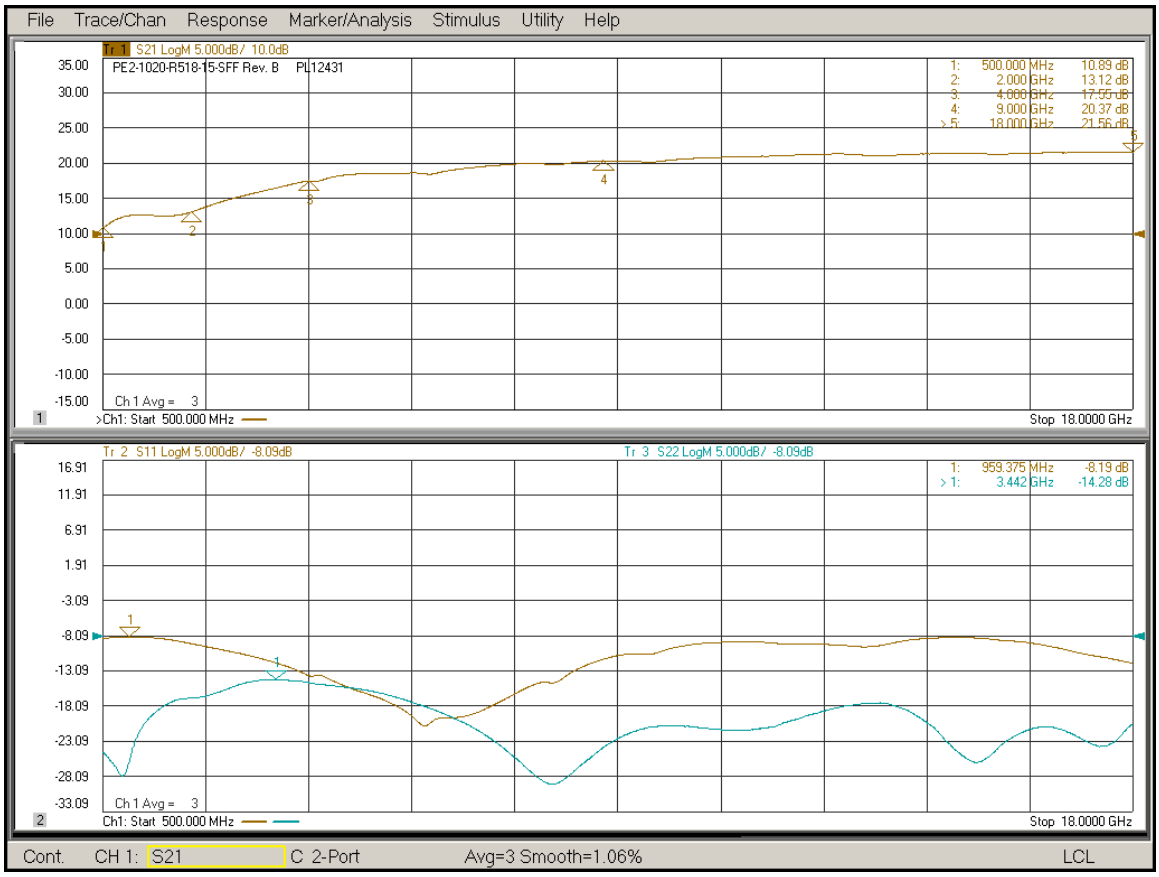
Gain & Return Loss



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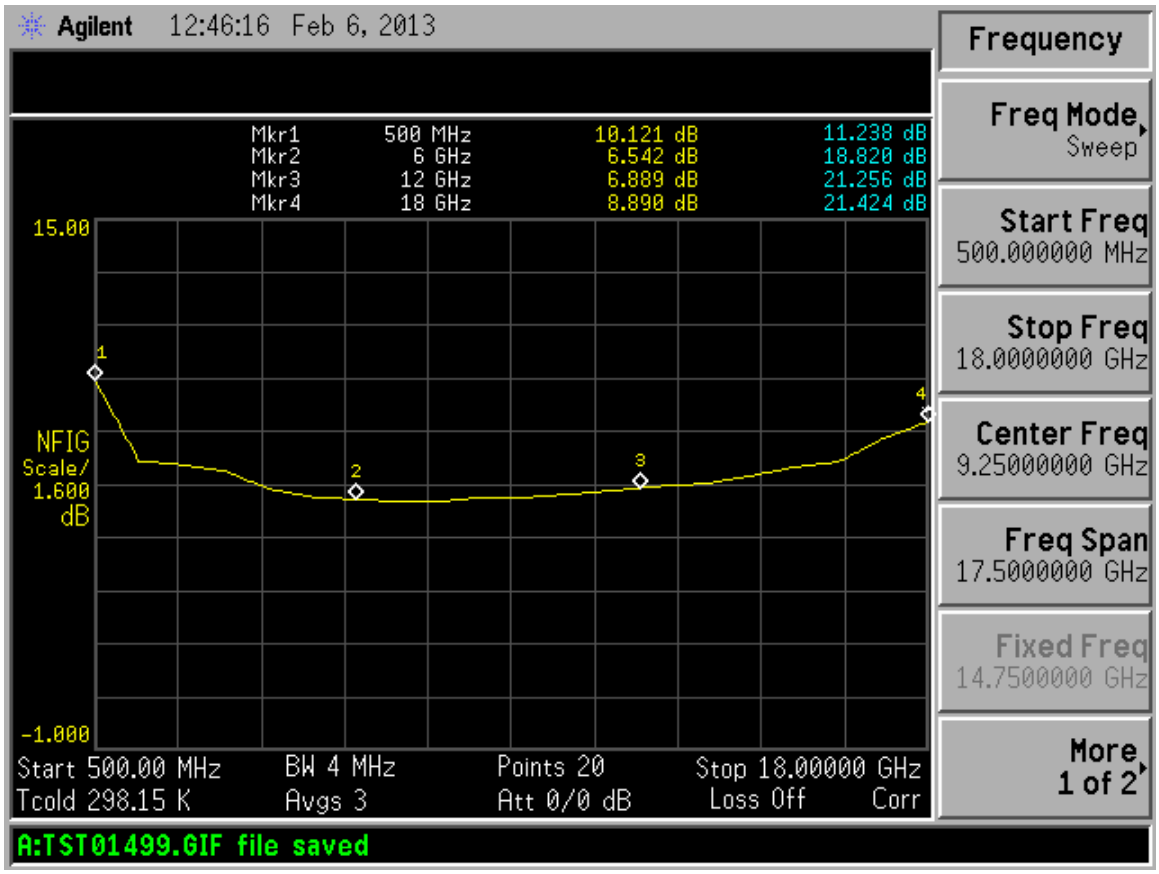
Noise Figure Plot



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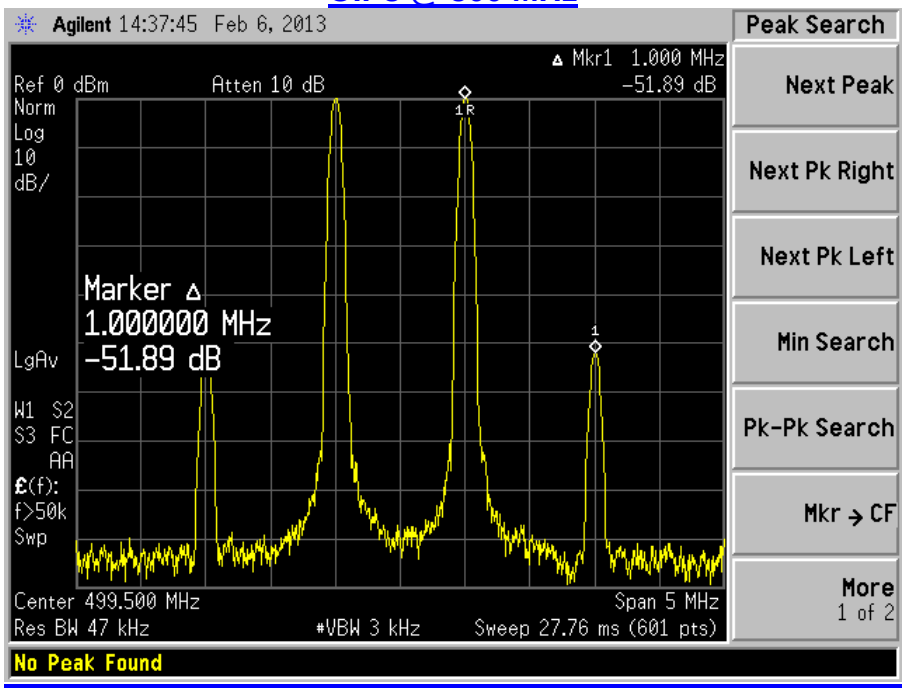
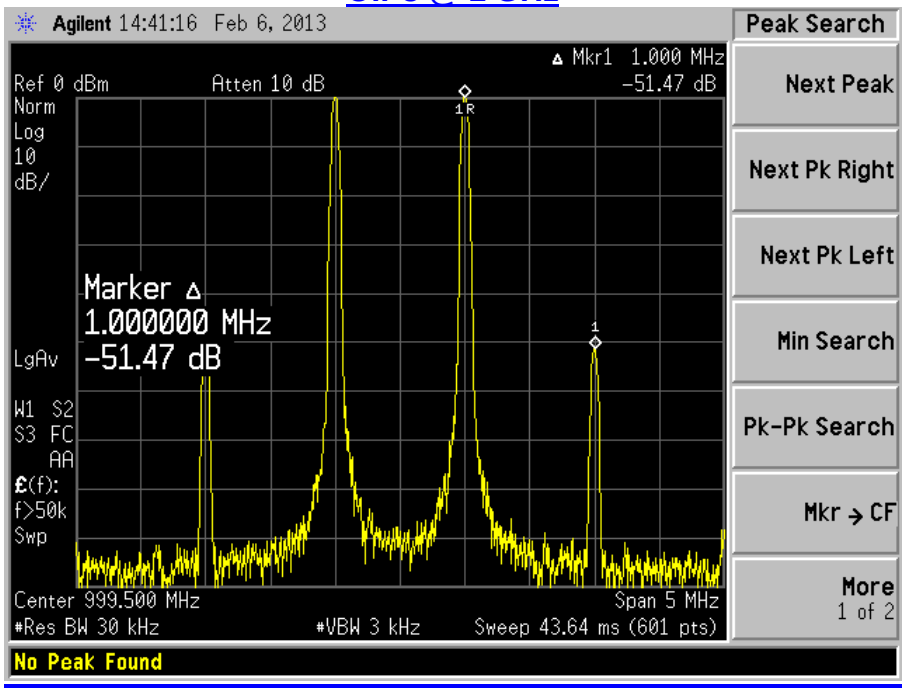
OIP3 @ 500 MHz



OIP3 = Pout + dBc/2
+25.94dBm = 0 + (51.89/2)

OIP3 @ 1 GHz



OIP3 = Pout + dBc/2
+25.73dBm = 0 + (51.47/2)

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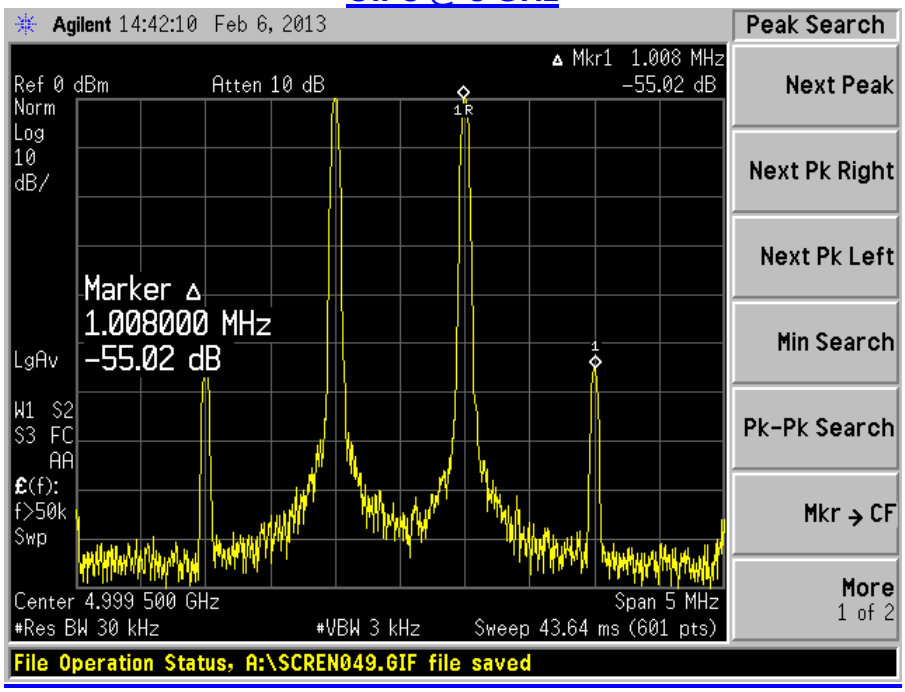
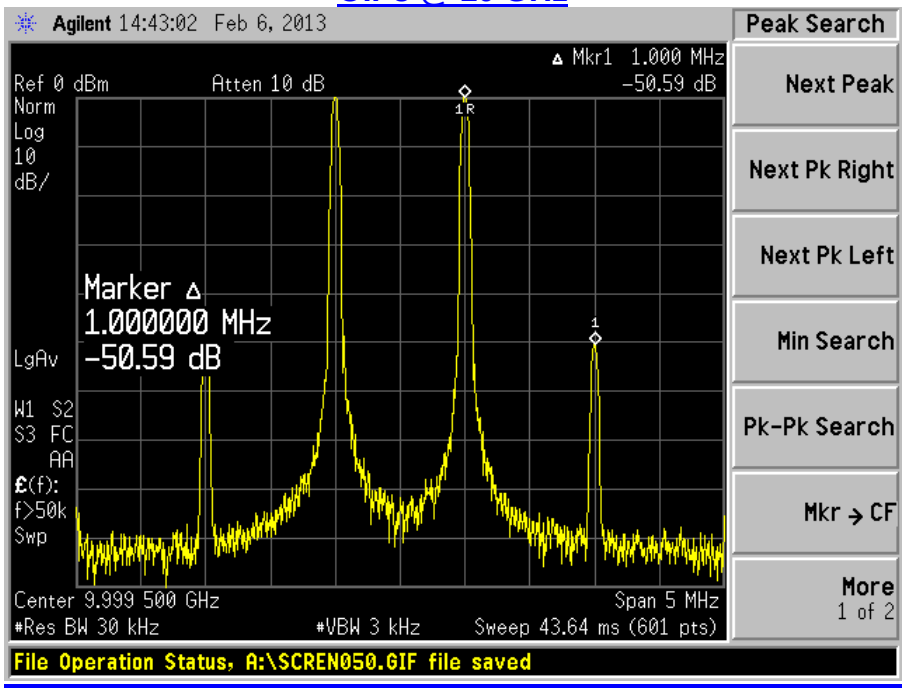
OIP3 @ 5 GHz



OIP3 = Pout + dBc/2
+27.51dBm = 0 + (55.02/2)

OIP3 @ 10 GHz



OIP3 = Pout + dBc/2
+25.29dBm = 0 + (50.59/2)

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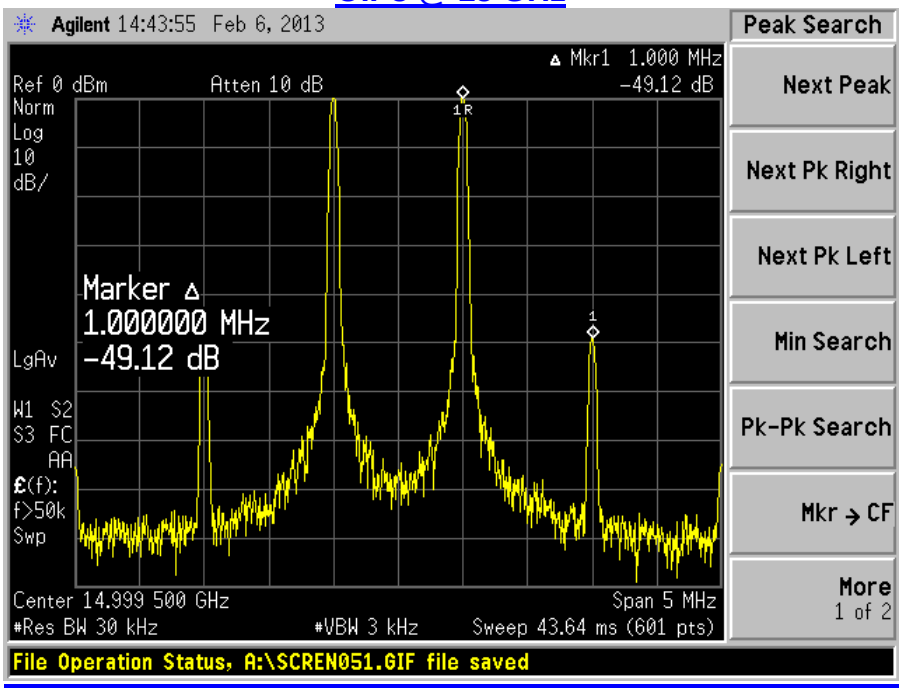
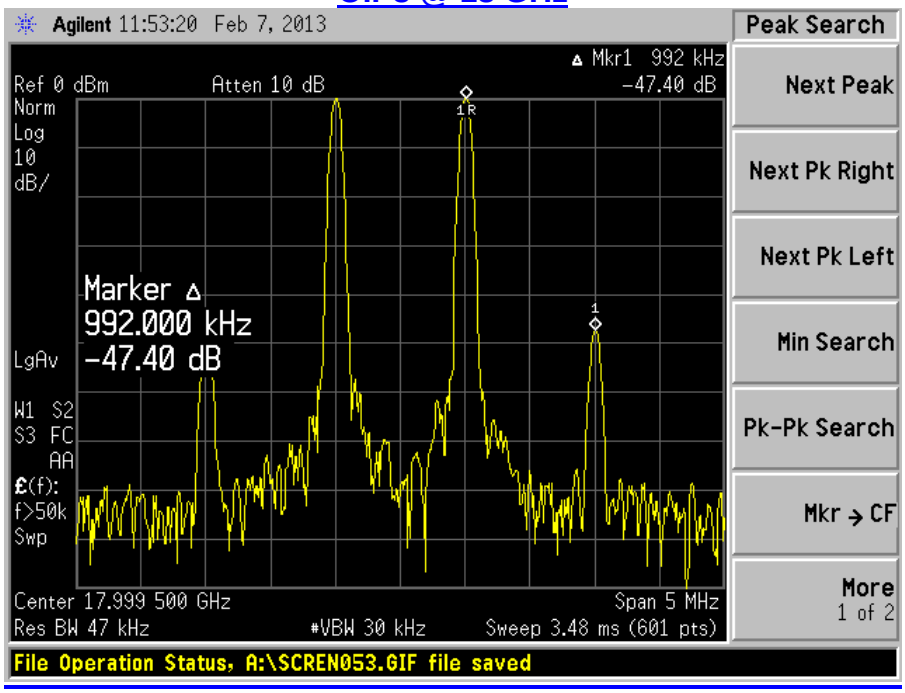
OIP3 @ 15 GHz



OIP3 = Pout + dBc/2
+24.56dBm = 0 + (49.12/2)

OIP3 @ 18 GHz



OIP3 = Pout + dBc/2
+23.70dBm = 0 + (47.40/2)

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