



**SUMMARY TEST DATA
ON
PE2-34-2G18G-3R5-15-SFF-VVG-DD**

PL24610/1908

Customer: _____ Tested By: J. Emperador
SO No: _____ Temperature: +25°C
Model No: PE2-34-2G18G-3R5-15-SFF-VVG-DD Date: 02/15/19
Serial No: PL24610/1908 Drawing No: 27622055 Rev: A2

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	5.5 to 18.0 GHz (Specified) 2.0 to 18.0 GHz (Operating)	5.5 to 18.0 GHz (Specified) 2.0 to 18.0 GHz (Operating)	PMI QA 1
2	Linear Gain:	30dB Typ.	35.05 dB	
3	*Gain Flatness:	±1.0dB Goal, ±1.5dB Max	1.26 dB (See Plot)	
4	*Noise Figure:	3.0dB Goal, 3.7dB Max, 4.0dB Typ. @ 2GHz	3.65 dB (See Plot)	
5	*OP1dB:	+10dBm Min	12.75 dBm	
6	VSWR Input/Output:	2.0:1 Max	1.52:1/1.66:1	
7	Gain Control:	15dB Typ, 12dB Min	12.30 dB	
8	Control Voltage:	0 to 2.5VDC, 5VDC Max	Pass	
9	Diode Detector Sensitivity:	0.5mV/mW Typ	Pass (See Graph)	
10	Power Supply:	+12 to +15VDC @ 280mA Nominal	+12 to +15VDC @ 192 mA	PMI QA 1

*At 0dB Attenuation

QA/QC Approval: _____

PMI
QA 1

Date: _____

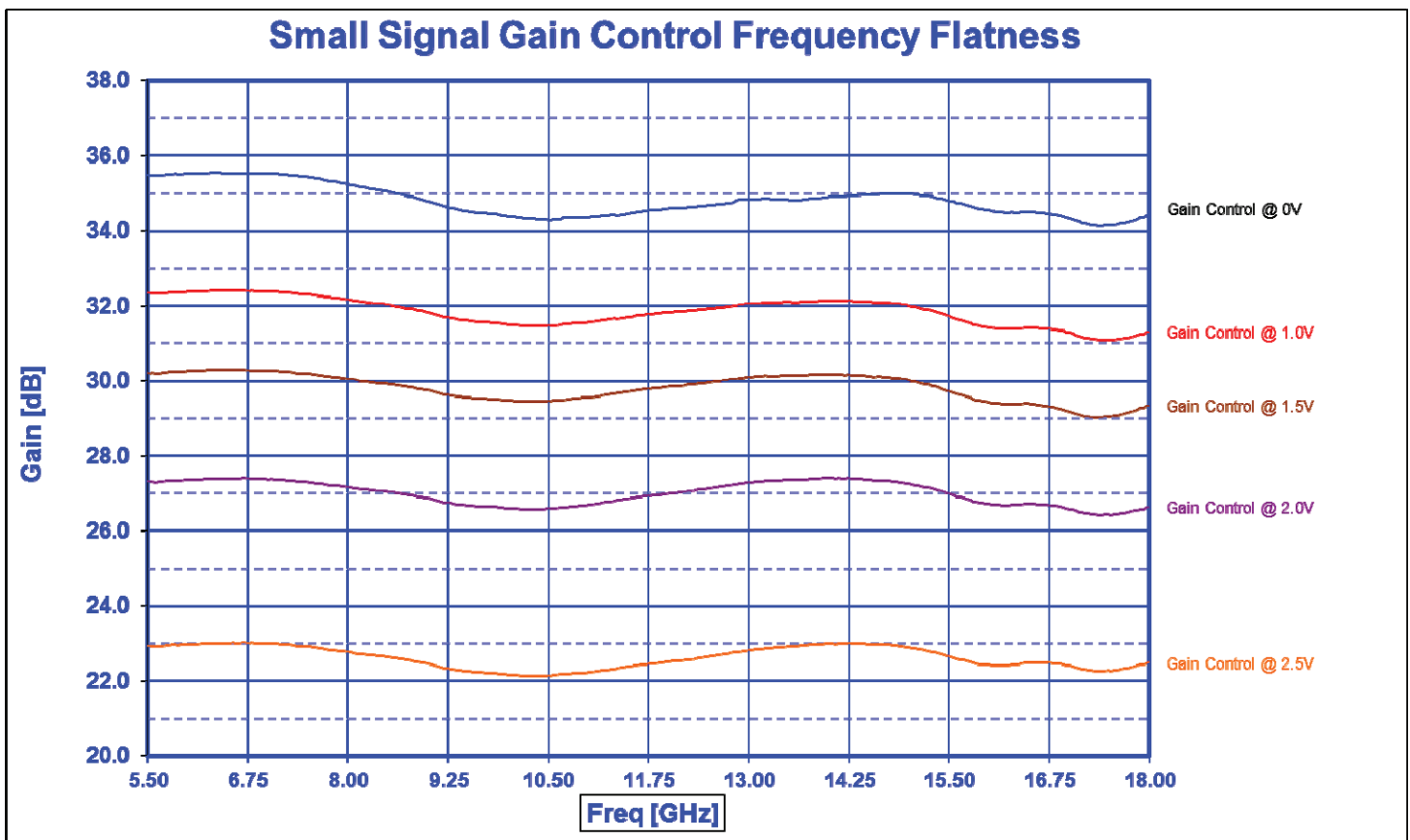
2/26/19



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Small Signal Gain and Attenuation

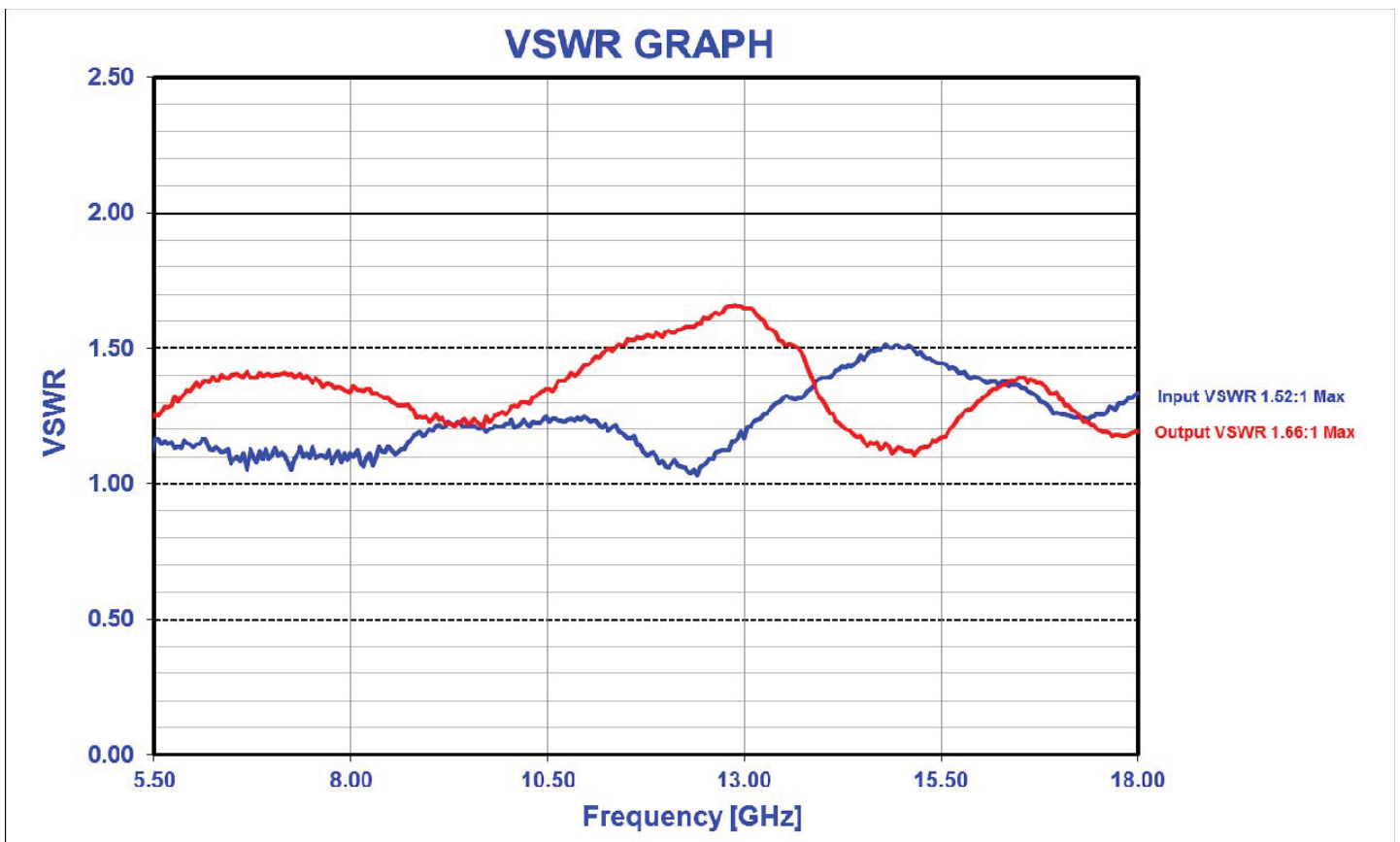




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Input & Output VSWR

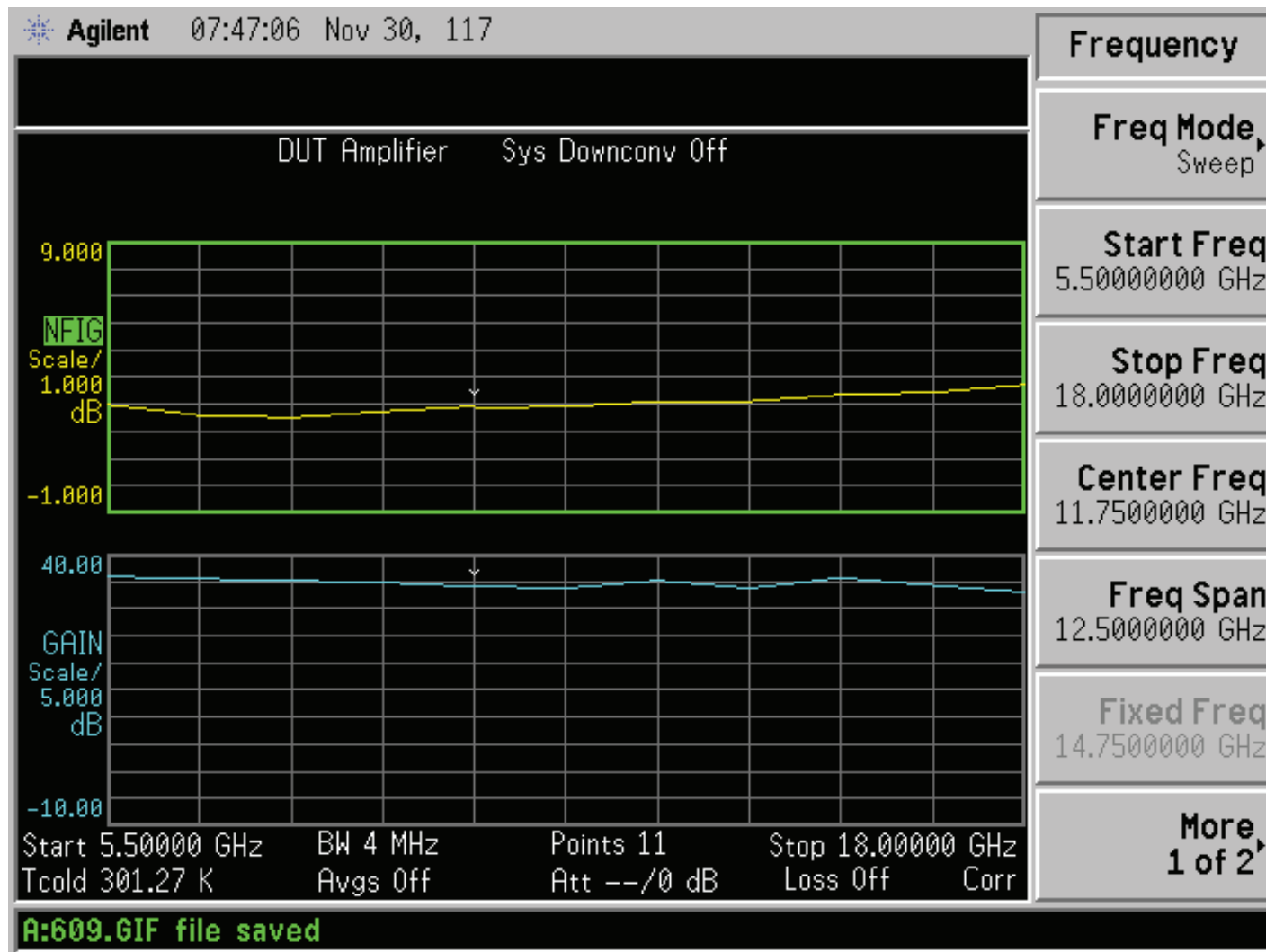




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Noise Figure Plot

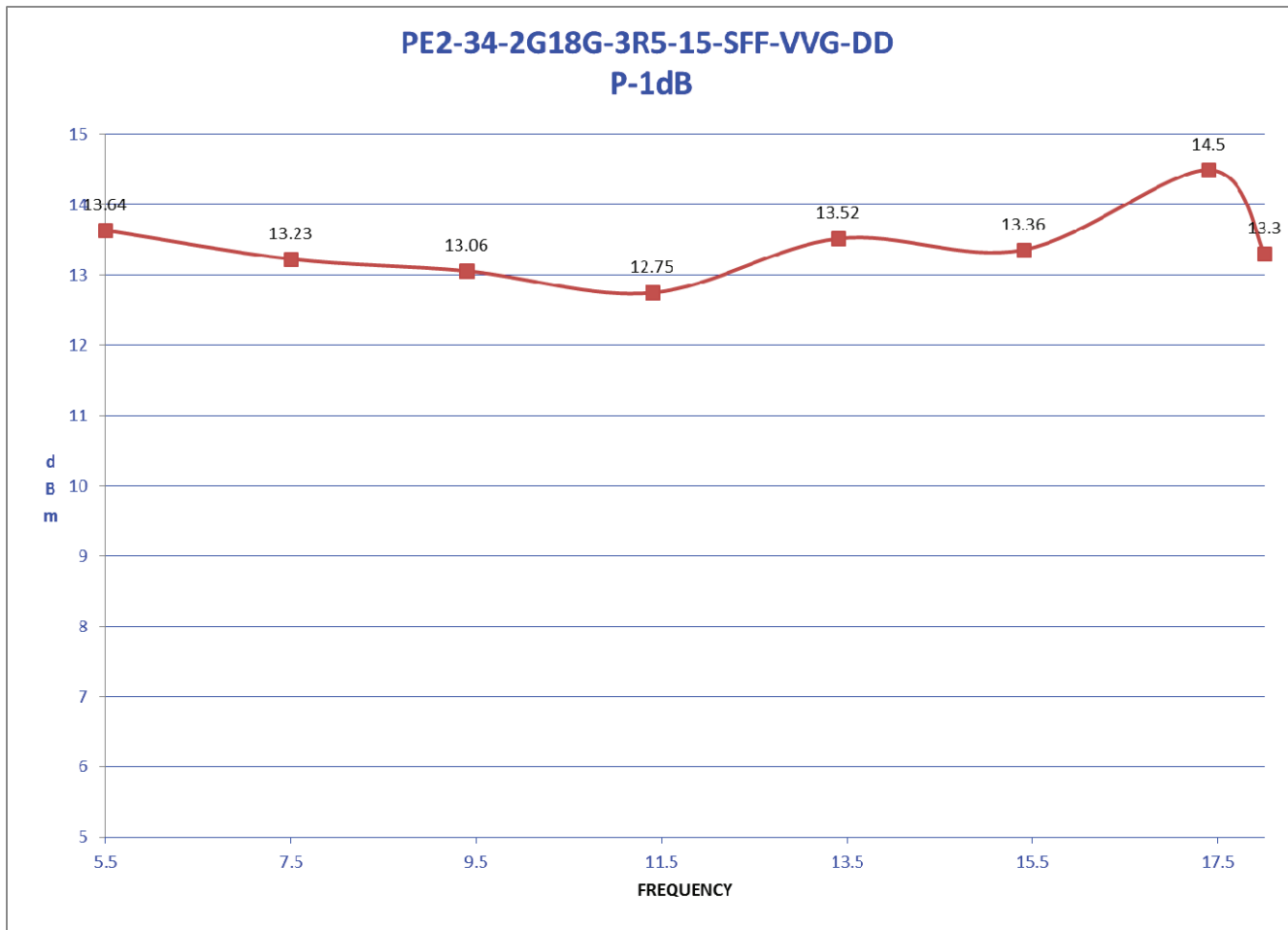




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P-1dB Plot





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Diode Detector Graph

TESTED BY: J. Emperador DATE: 01/15/19 MODEL: PE2-34-2G18G-3R5-15-SFF-VVG-DD SERIAL NO: PL24610 Test Temp: +25C														
 PLANAR MONOLITHICS INDUSTRIES 4921 Robert J. Mathews Pkwy Suite 1 TEL: (916)542-1401 FAX: (301)662-1731 EMAIL: SALES@PMI-RF.COM ISO 9001:2000 CERTIFIED														
	5 GHz	6 GHz	7 GHz	8 GHz	9 GHz	10 GHz	11 GHz	12 GHz	13 GHz	14 GHz	15 GHz	16 GHz	17 GHz	18 GHz
-60dBm	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-55dBm	0.001	0.000	0.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
-50dBm	0.002	0.002	0.002	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
-45dBm	0.008	0.007	0.006	0.005	0.004	0.004	0.004	0.003	0.003	0.003	0.003	0.003	0.002	0.002
-40dBm	0.030	0.025	0.023	0.019	0.016	0.014	0.012	0.011	0.011	0.012	0.011	0.010	0.009	0.008
-35dBm	0.098	0.083	0.079	0.065	0.053	0.047	0.041	0.038	0.037	0.039	0.037	0.033	0.031	0.028
-30dBm	0.195	0.176	0.167	0.145	0.126	0.115	0.104	0.101	0.101	0.108	0.105	0.096	0.092	0.087
-25dBm	0.236	0.233	0.231	0.223	0.214	0.206	0.200	0.202	0.210	0.227	0.221	0.205	0.197	0.187
-20dBm	0.244	0.244	0.243	0.241	0.238	0.238	0.242	0.247	0.256	0.266	0.264	0.257	0.253	0.247
-15dBm	0.242	0.242	0.239	0.239	0.240	0.242	0.248	0.251	0.255	0.264	0.262	0.256	0.256	0.252
-10dBm	0.224	0.225	0.227	0.231	0.234	0.239	0.247	0.250	0.255	0.269	0.261	0.249	0.252	0.250
-5dBm	0.206	0.211	0.219	0.222	0.227	0.234	0.244	0.250	0.258	0.270	0.262	0.247	0.251	0.248
0dBm	0.215	0.222	0.229	0.230	0.235	0.241	0.252	0.254	0.260	0.268	0.258	0.245	0.251	0.247
5dBm	0.241	0.248	0.248	0.247	0.254	0.260	0.263	0.258	0.262	0.268	0.255	0.245	0.251	0.246



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Diode Detector Graph/Table

