



**SUMMARY TEST DATA
ON
PE2-42-5D6G18G-4R0-19-15-SFF**

PL19827/1633

Customer: _____ Tested By: H. HOLVICK
SO No: _____ Temperature: +25°C
Model No: PE2-42-5D6G18G-4R0-19-15-SFF Date: 08/22/16
Serial No: PL19827/1633 Drawing No: 27629733 Rev: A1

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	5.6 to 18.0GHz	5.6 to 18.0GHz	
2	Gain	42dB Min. / 48dB Max.	44.2 dB	
3	Gain Flatness	+/- 2.5dB Max.	+/- 1.4 dB	
4	Noise Figure	4.0dB Typ. 5.0 dB Max.	4.23 dB Max (See Plot)	
5	OP1dB	19dBm Min.	+21.1 dBm Min	
6	OIP3	+27dBm Typ.	+30.8 dBm Min	
7	VSWR Input/Output:	2.0:1 / 2.0:1 Max.	1.89:1/1.84:1 (See Plot)	
8	Input Power:	+20dBm CW Max.	PASS	
9	RF Leakage	60dBc	≥60 dBc	
10	Power Supply	+12 to +15VDC @ 400mA Typ.	380 mA	

QA/QC Approval: _____ Date: _____

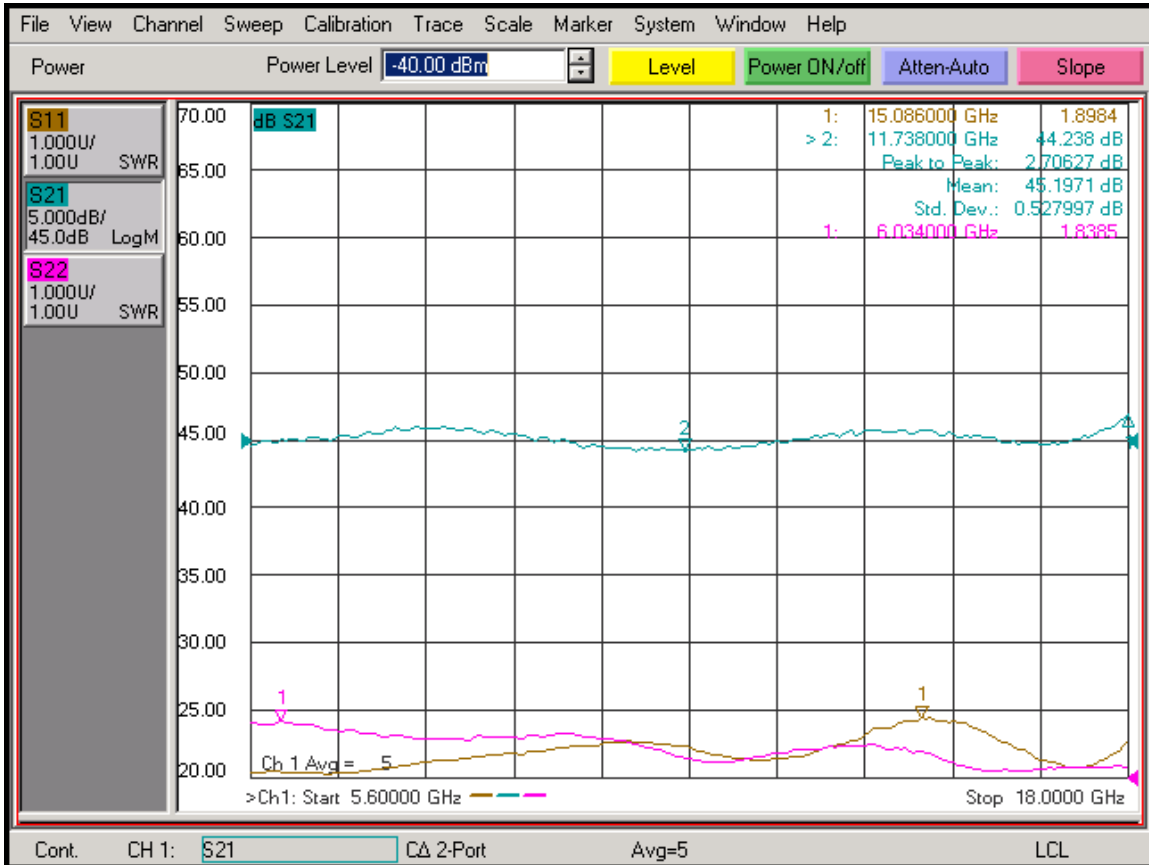
7311-F Grove Road, Frederick, MD 21704 USA
Phone: (301) 662-5019 Fax: (301) 662-1731
Email: sales@pmi-rf.com



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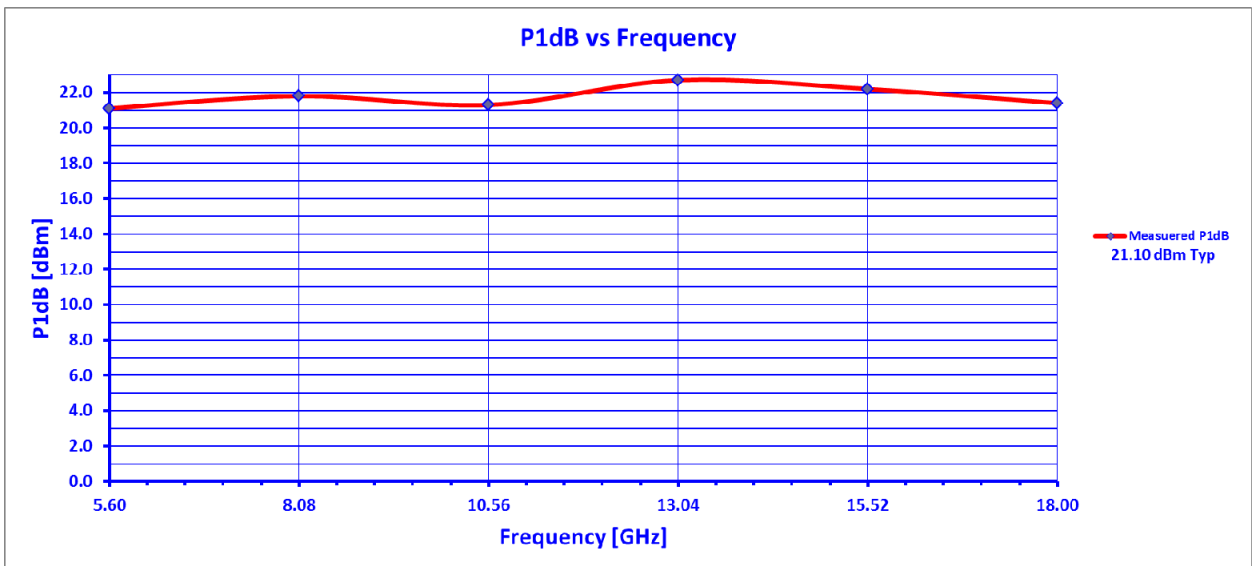
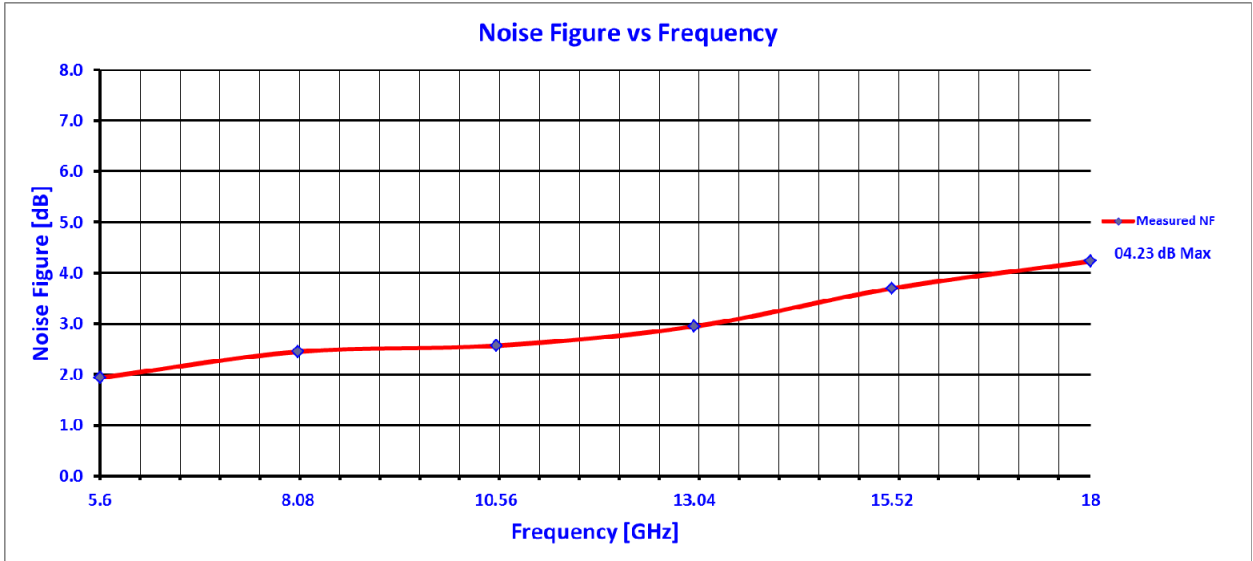
VNA Plot





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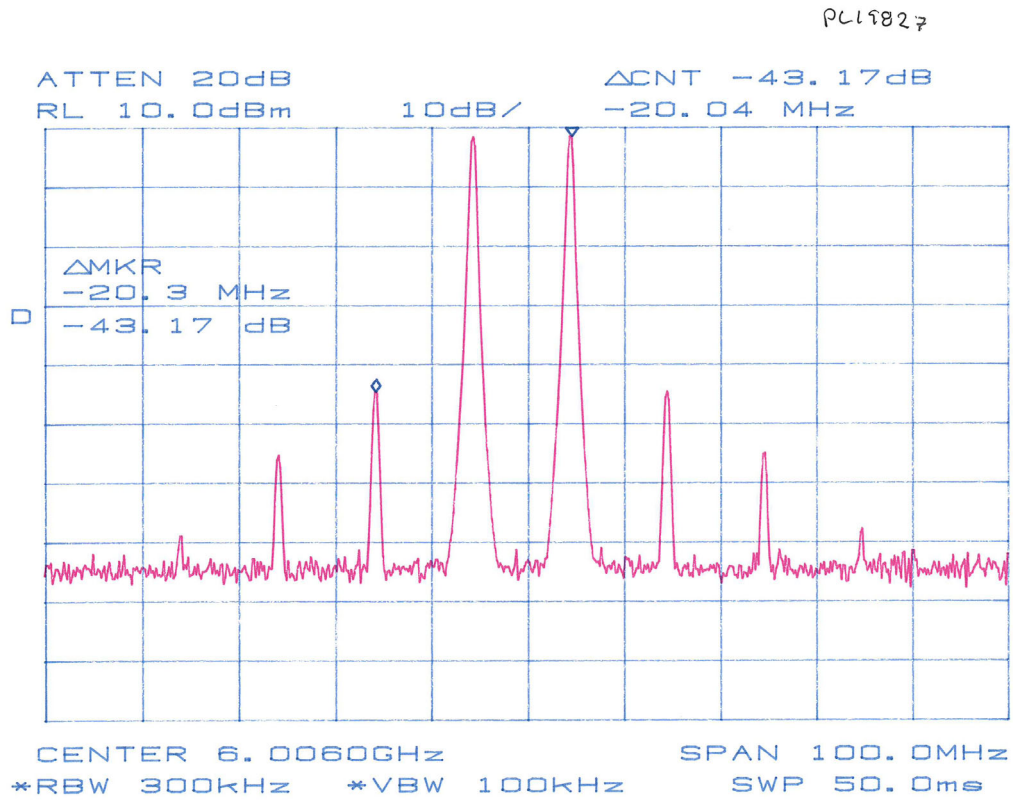
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OIP3 @ 6 GHz



$$\begin{aligned} \text{OIP3} &= \text{Pout} + \text{dBc}/2 \\ +31.6 \text{ dBm} &= 10 + (43.17/2) \end{aligned}$$

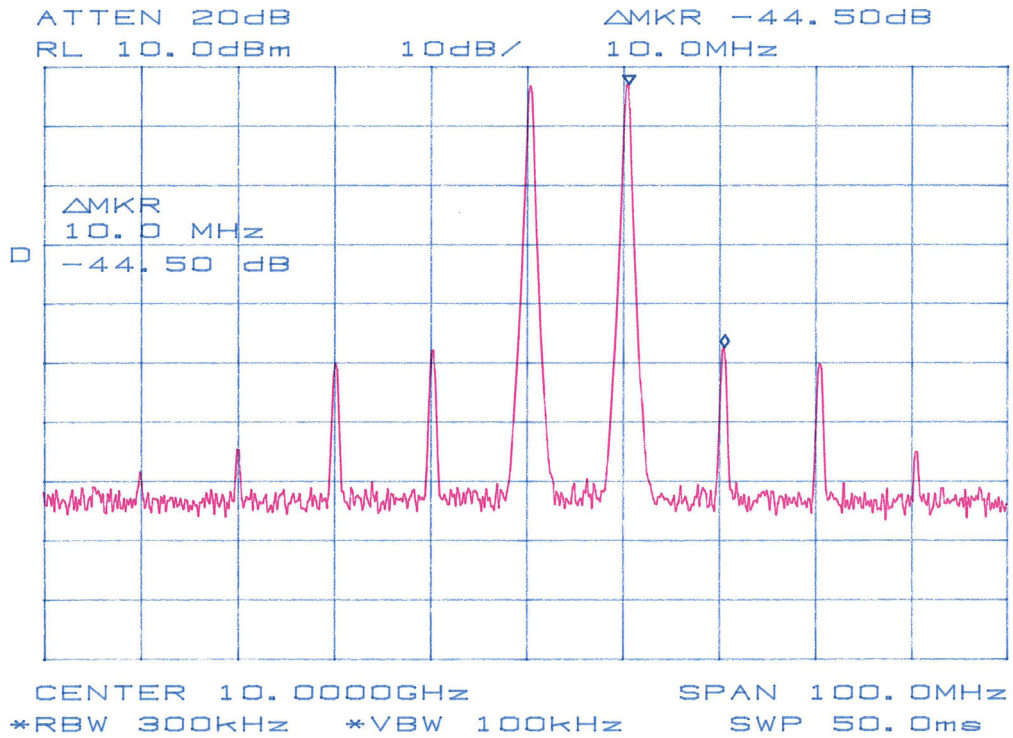


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OIP3 @ 10 GHz

PL19827



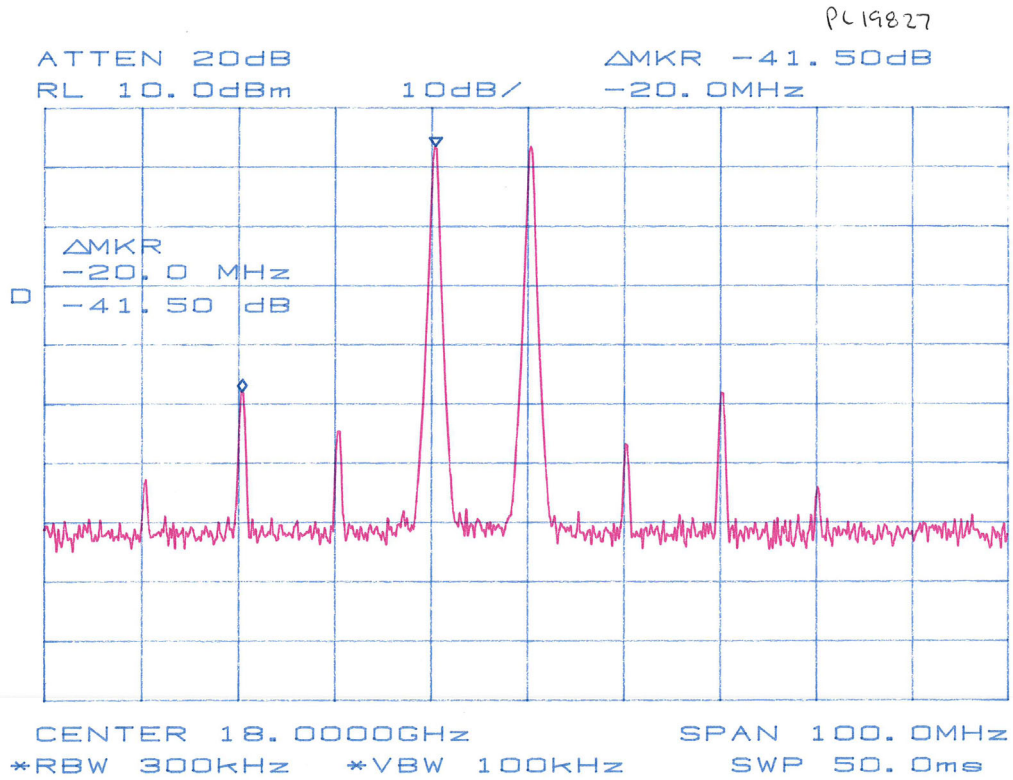
$$\begin{aligned} \text{OIP3} &= P_{\text{out}} + \text{dBc}/2 \\ +32.3 \text{ dBm} &= 10 + (44.50/2) \end{aligned}$$



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OIP3 @ 18 GHz



$$\begin{aligned} \text{OIP3} &= P_{\text{out}} + \text{dBc}/2 \\ +30.8 \text{ dBm} &= 10 + (41.5/2) \end{aligned}$$