



**SUMMARY TEST DATA
ON
SC00066-06 REV C**

PL18064/1544

Customer: _____ Tested By: H. HOLVICK
SO No: _____ Temperature: +25°C
Model No: SC00066-06 REV C Date: 10/29/15
Serial No: PL18064/1544 Drawing No: 27609928 Rev: A1
Part No: _____

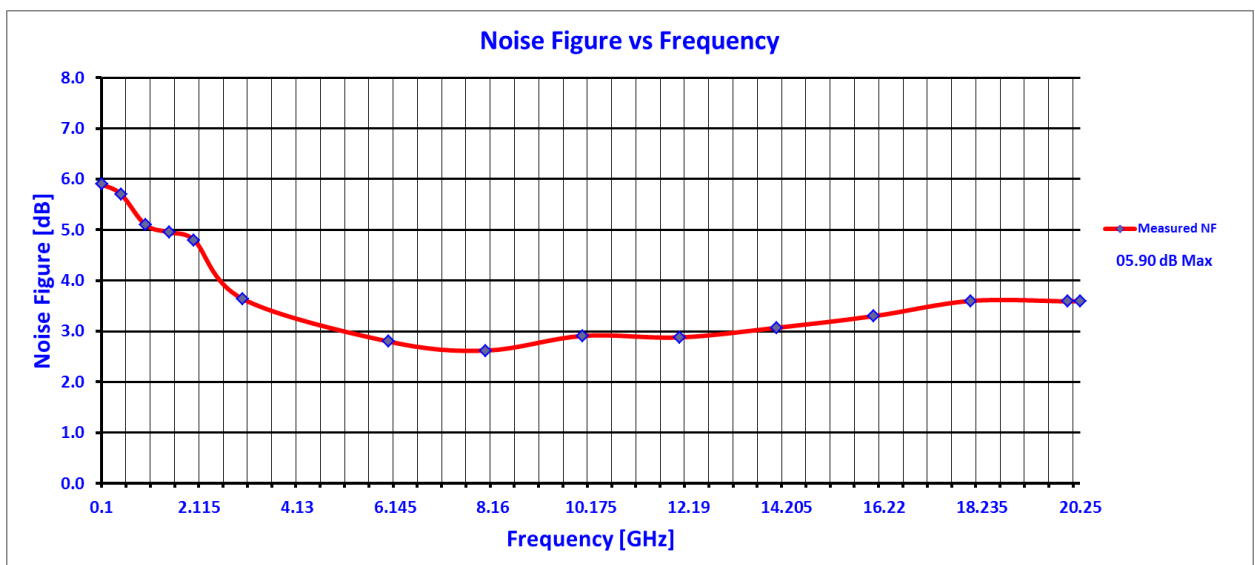
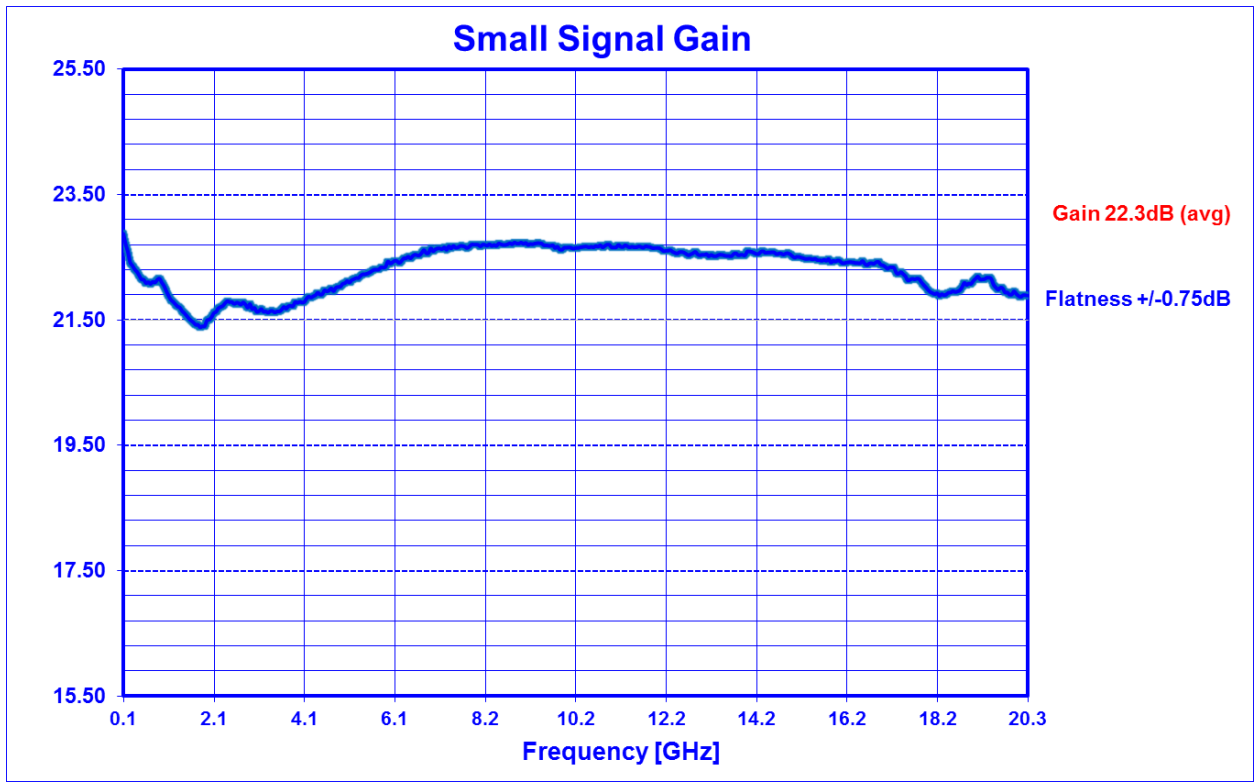
TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	0.1 to 20.25 GHz	0.1 to 20.25 GHz See Plot	
2	Gain:	19.5 dB Min 23.5 dB Max	21.39 dB Min 22.88 dB Max See Plot	
3	Gain Flatness:	±0.5 dB Max (Over any 500 MHz span over Full Band)	0.396 dB Max See Plot	
4	Noise Figure:	6.0 dB Max (0.1 to 19 GHz) 6.5 dB Max (19 to 20.25 GHz)	5.9 dB 3.6 dB See Plot	
5	Max Input Power:	+20 dBm (Without Damage)	PASS	
6	VSWR:	Input: 2.5:1 Max Output: 2.0:1 Max	2.29:1 1.83:1 See Plot	
7	Output IP3:	+24 dBm Min	25.8 dBm See Plot	
8	OP1dB:	+14 dBm Min	≥14 dBm	
9	Reverse Isolation:	30 dB Min	≥60 dB See Plot	
10	DC Supply:	+15 VDC ±5% @ 275 mA Max	+15 VDC ±5% 149 @ mA	

QA/QC Approval: _____ Date: _____



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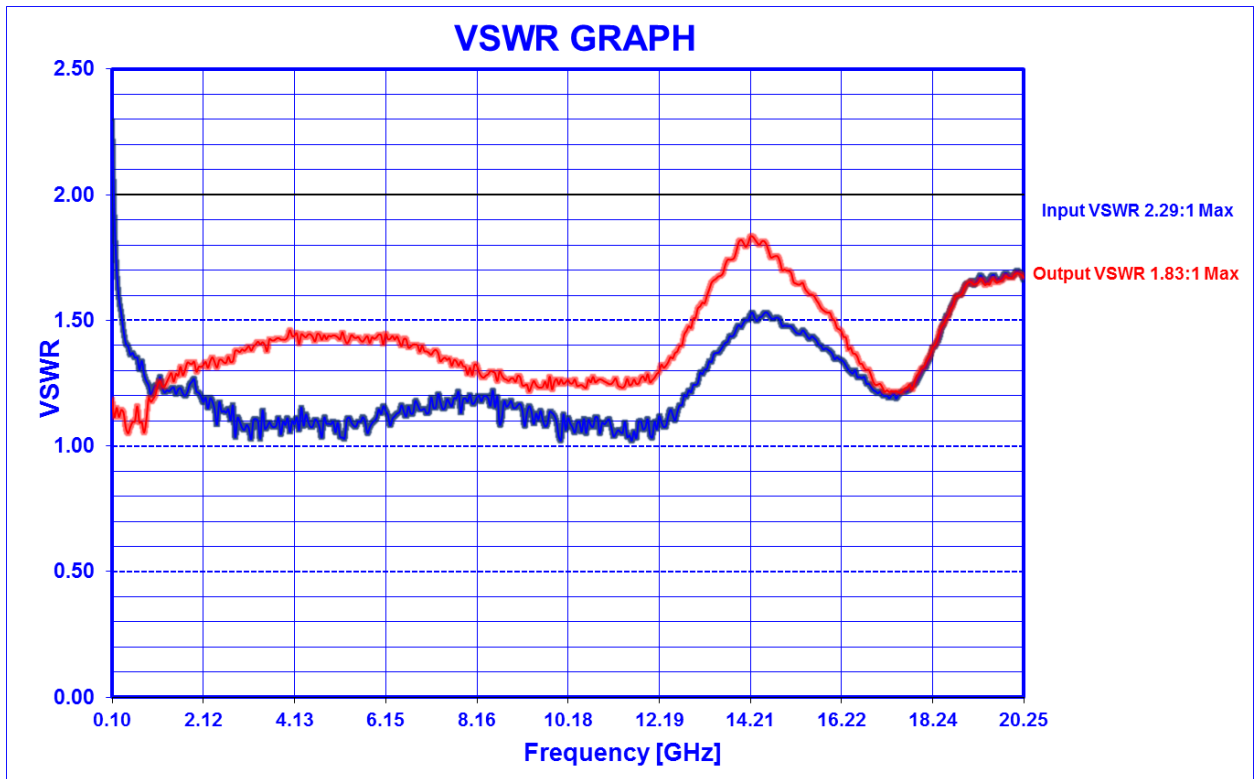
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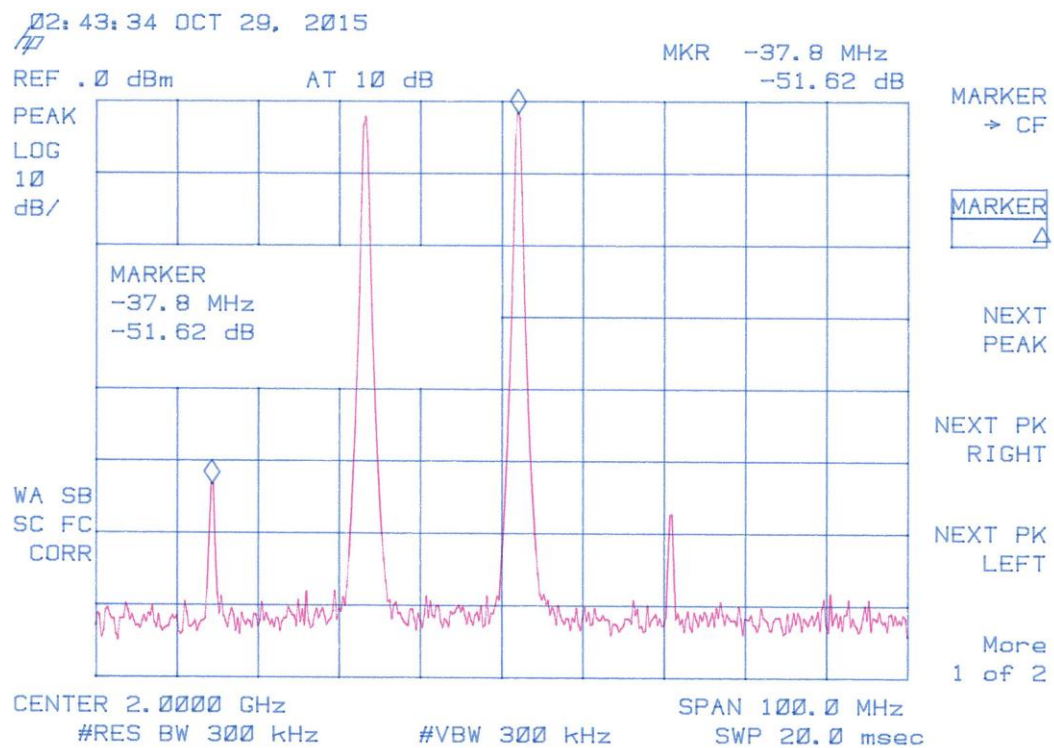




**SUMMARY TEST DATA
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OIP3 @ 2 GHz



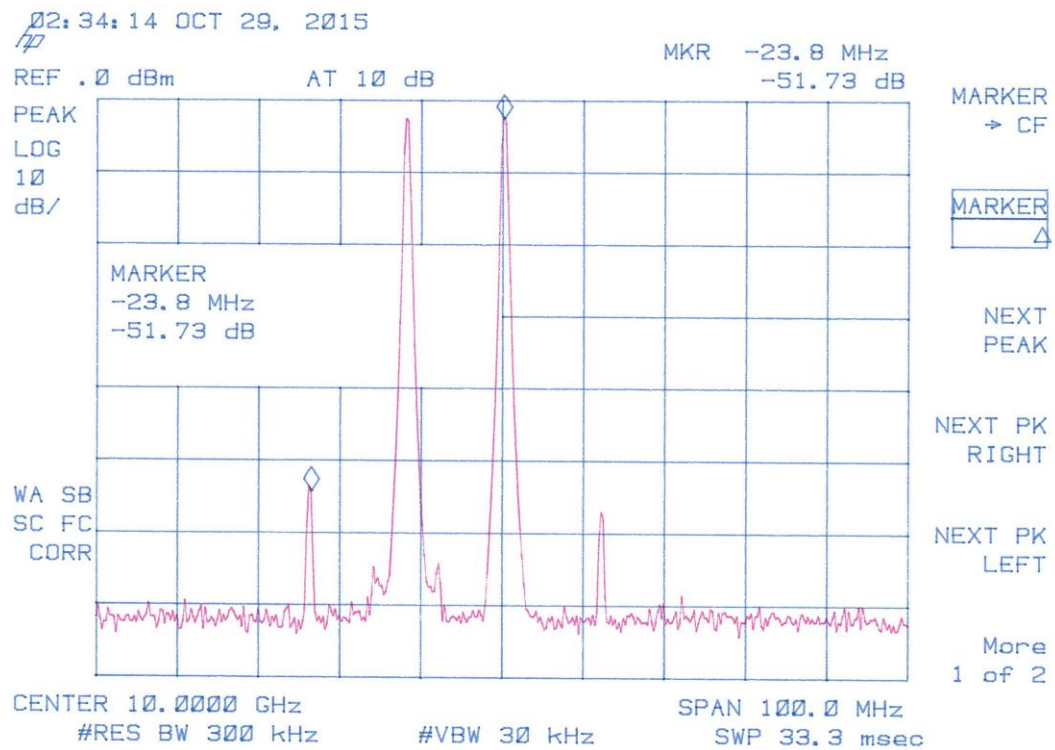
$$\begin{aligned} \text{OIP3} &= \text{Pout} + \text{dBc}/2 \\ +25.8\text{dBm} &= 0 + (51.62/2) \end{aligned}$$



**SUMMARY TEST DATA
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OIP3 @ 10 GHz

PL18064/1544



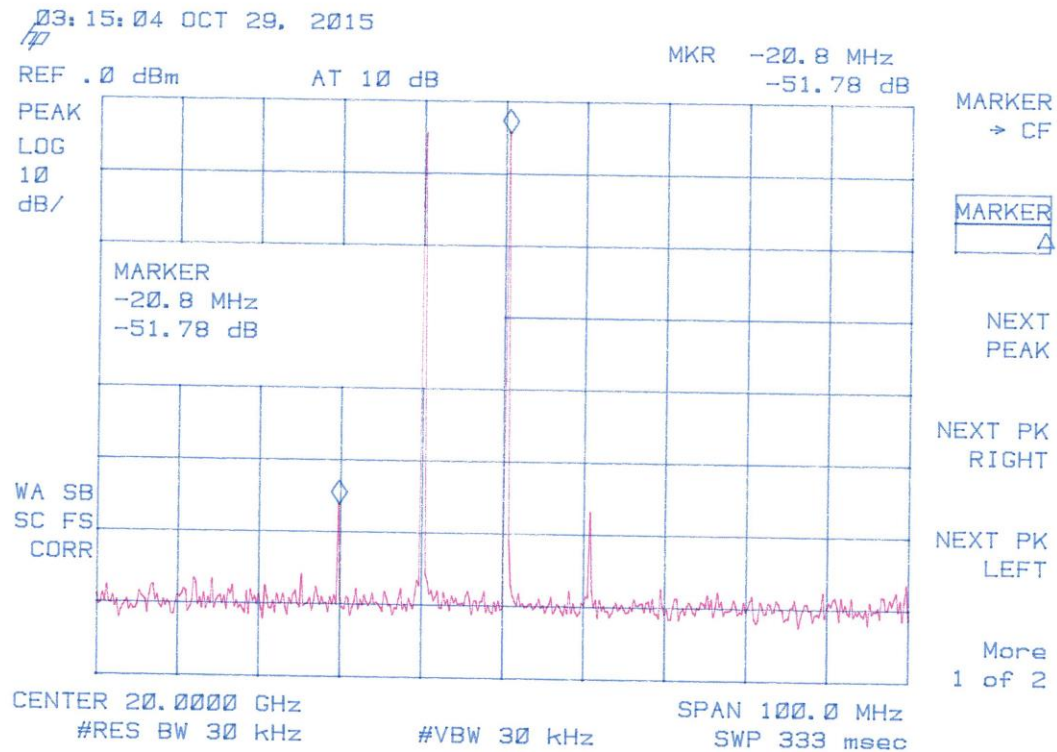
$$\begin{aligned} \text{OIP3} &= \text{Pout} + \text{dBc}/2 \\ +25.9 \text{ dBm} &= 0 + (51.73/2) \end{aligned}$$



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OIP3 @ 20 GHz



$$\begin{aligned} \text{OIP3} &= P_{\text{out}} + \text{dBc}/2 \\ &+ 25.9 \text{ dBm} = 0 + (51.78/2) \end{aligned}$$



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Reverse Isolation:

