



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

PL18063/1544

Customer: _____	Tested By: <u>H. HOLVICK</u>
SO No: _____	Temperature: <u>+25°C</u>
Model No: <u>SC00066-06 REV C</u>	Date: <u>10/29/15</u>
Serial No: <u>PL18063/1544</u>	Drawing No: <u>27609928</u> Rev: <u>A1</u>
Part No: _____	

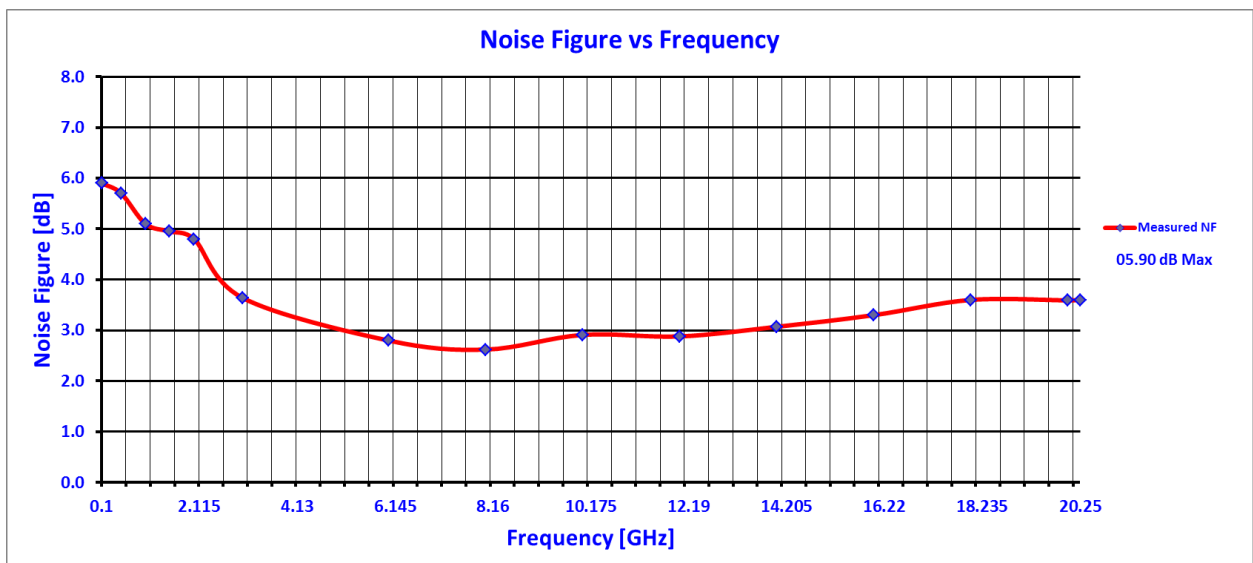
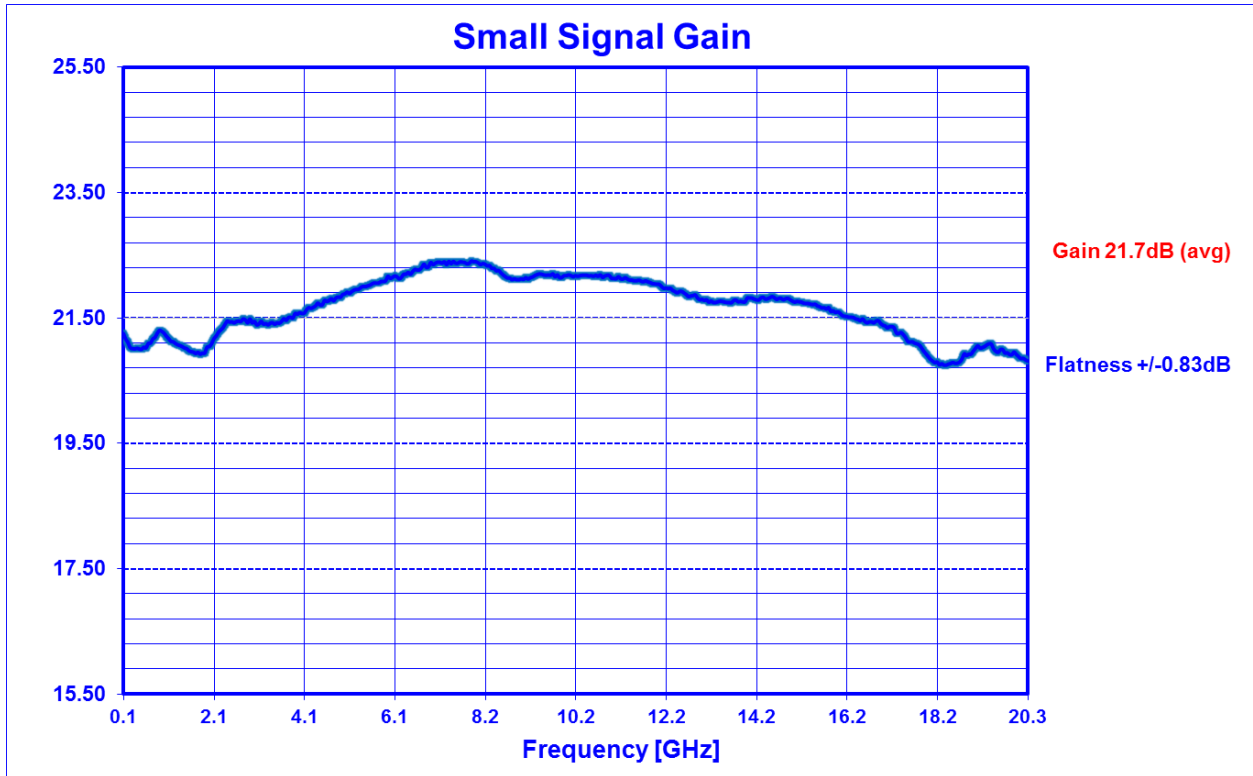
TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	0.1 to 20.25 GHz	0.1 to 20.25 GHz See Plot	
2	Gain:	19.5 dB Min 23.5 dB Max	20.75 dB Min 22.40 dB Max See Plot	
3	Gain Flatness:	±0.5 dB Max (Over any 500 MHz span over Full Band)	0.193 dB Max See Plot	
4	Noise Figure:	6.0 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	2.28:1 1.89:1 See Plot	
7	Output IP3:	+24 dBm Min	26.2 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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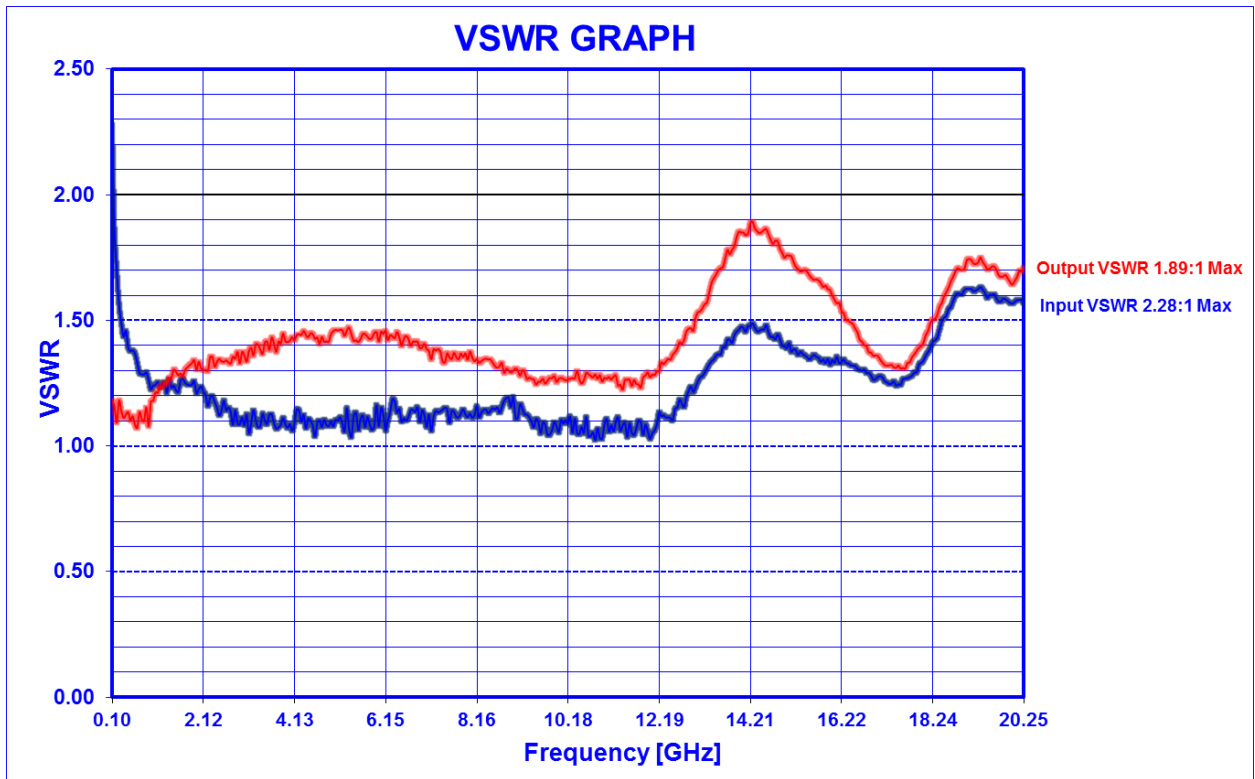
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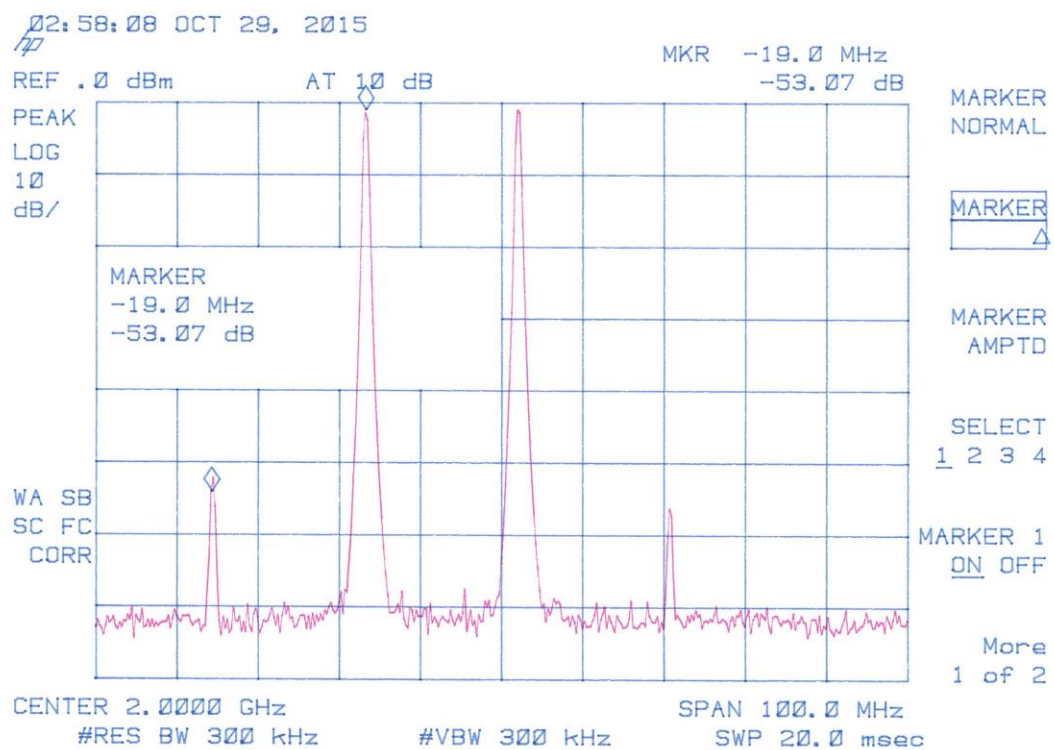




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OIP3 @ 2 GHz



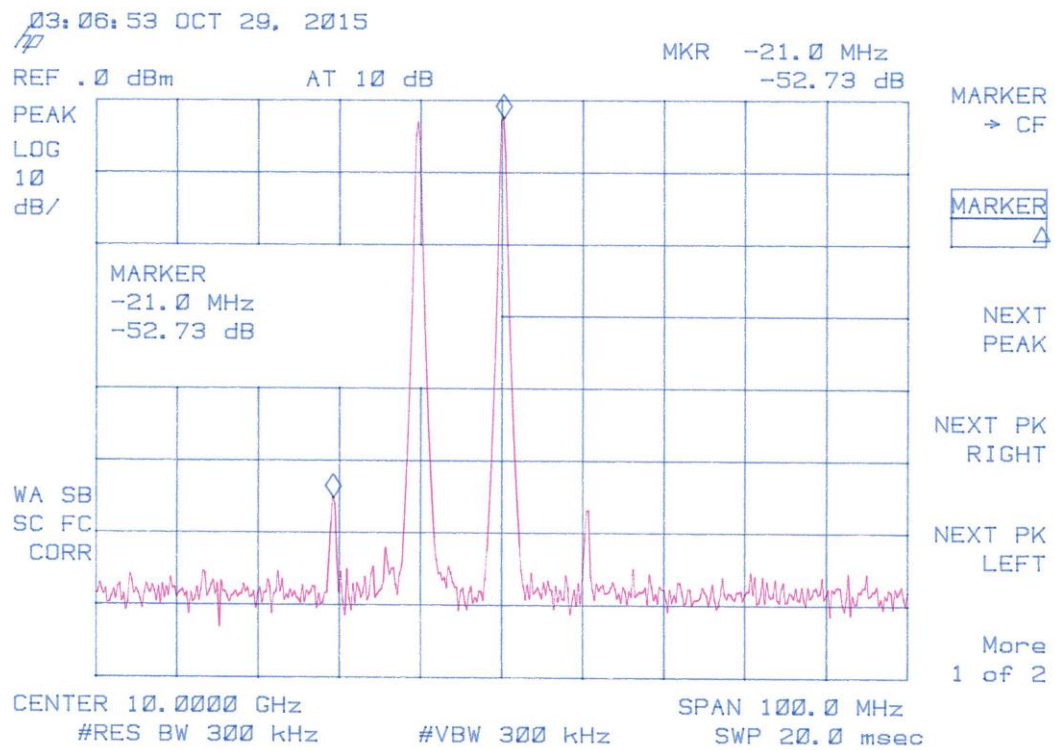
$$\begin{aligned} \text{OIP3} &= \text{Pout} + \text{dBc}/2 \\ +26.5 \text{ dBm} &= 0 + (53.07/2) \end{aligned}$$



**SUMMARY TEST DATA
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OIP3 @ 10 GHz



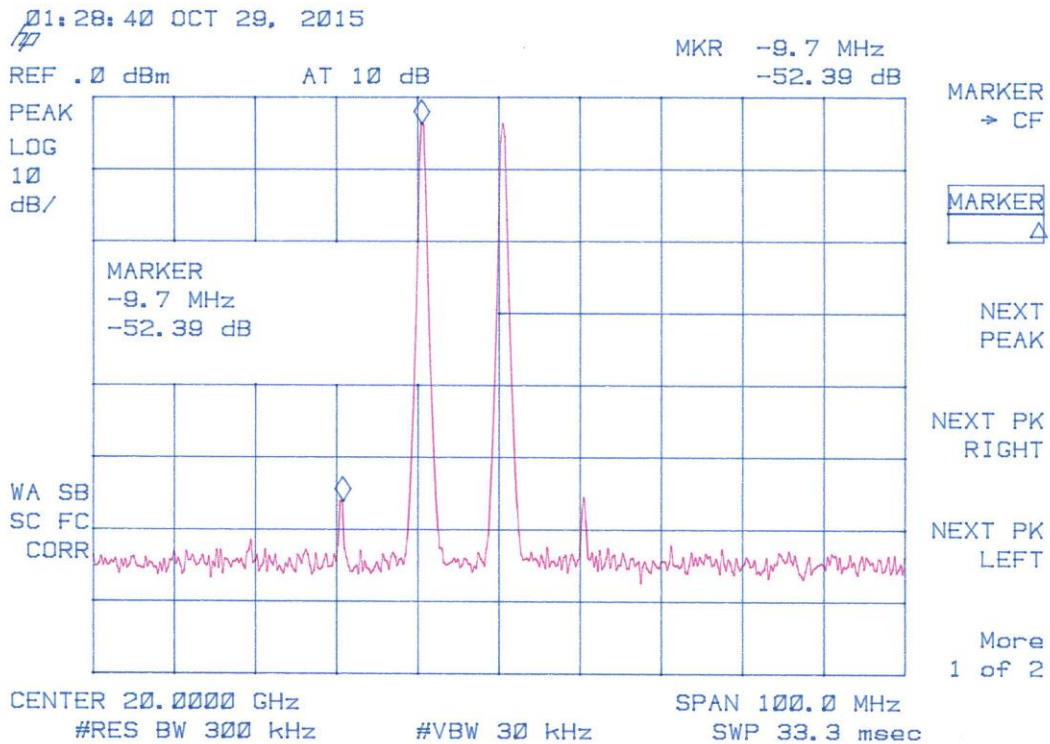
$$\begin{aligned} \text{OIP3} &= \text{Pout} + \text{dBc}/2 \\ +26.4 \text{ dBm} &= 0 + (52.73/2) \end{aligned}$$



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OIP3 @ 20 GHz



$$\begin{aligned} \text{OIP3} &= P_{\text{out}} + \text{dBc}/2 \\ +26.2 \text{ dBm} &= 0 + (52.39/2) \end{aligned}$$



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Reverse Isolation:

