



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

PL17209/1521

Customer: _____ Tested By: H. Gonzales
SO No: _____ Temperature: +25°C
Model No: SC00066-06 REV C Date: 05/18/15
Serial No: PL17209/1521 Drawing No: 27609928 Rev: A1
Part No: ANLG-000324

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	21.66dB See Plot	
3	Gain Flatness:	±0.5 dB Min (Over any 500 MHz span over Full Band)	Pass See Plot	
4	Noise Figure:	6.0 dB Max (0.1 to 19 GHz) 6.5 dB Max (19 to 20.25 GHz)	6.0dB 4.2dB See Plot	
5	Max Input Power:	+20 dBm (Without Damage)	Pass	
6	VSWR:	Input: 2.5:1 Max Output: 2.0:1 Max	Input 2.3:1 Output 1.6:1 See Plot	
7	Output IP3:	+24 dBm Min	+26.48dBm See Plots	
8	OP1dB:	+14 dBm Min	≥14dBm Pass	
9	Reverse Isolation:	30 dB Min	60.2dB See Plot	
10	DC Supply:	+15 VDC ±5% @ 275 mA Max	+15 VDC ±5% @ 182mA	

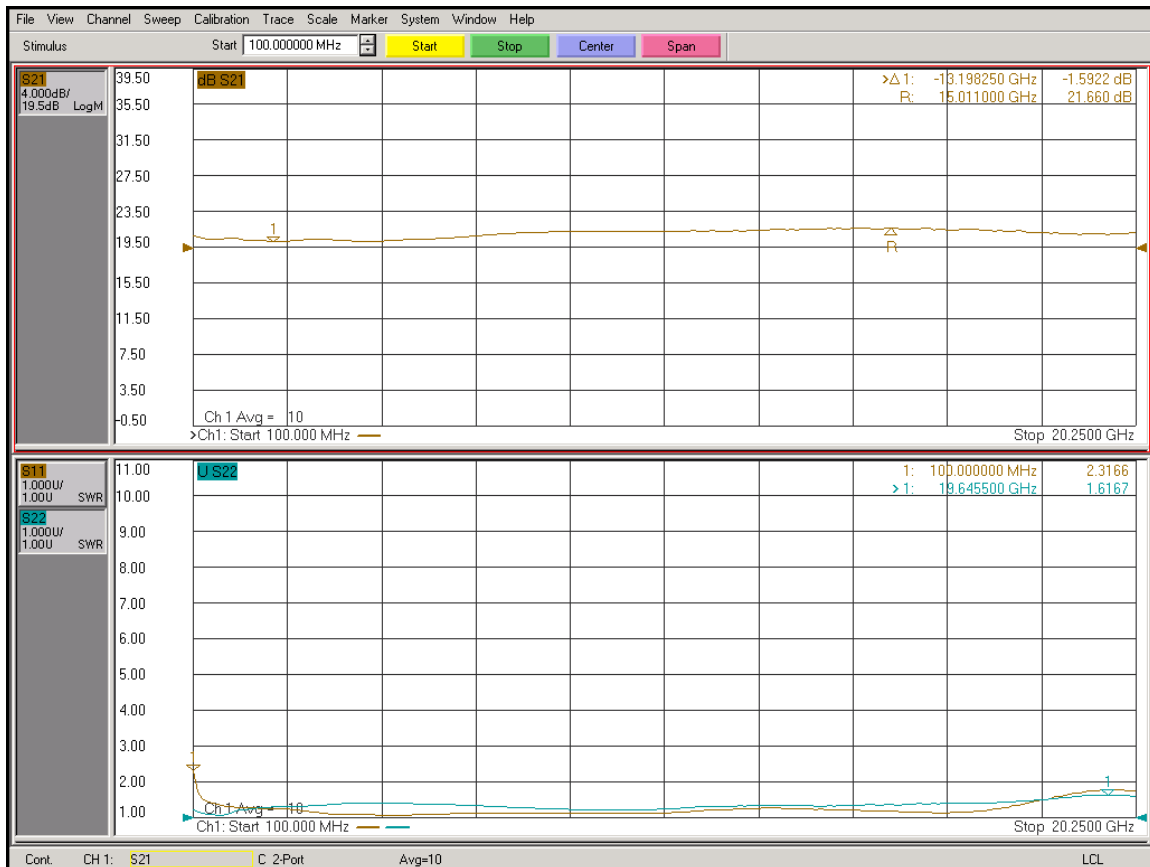
QA/QC Approval: _____ Date: _____



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

PL17209/1521

Gain & VSWR Plot

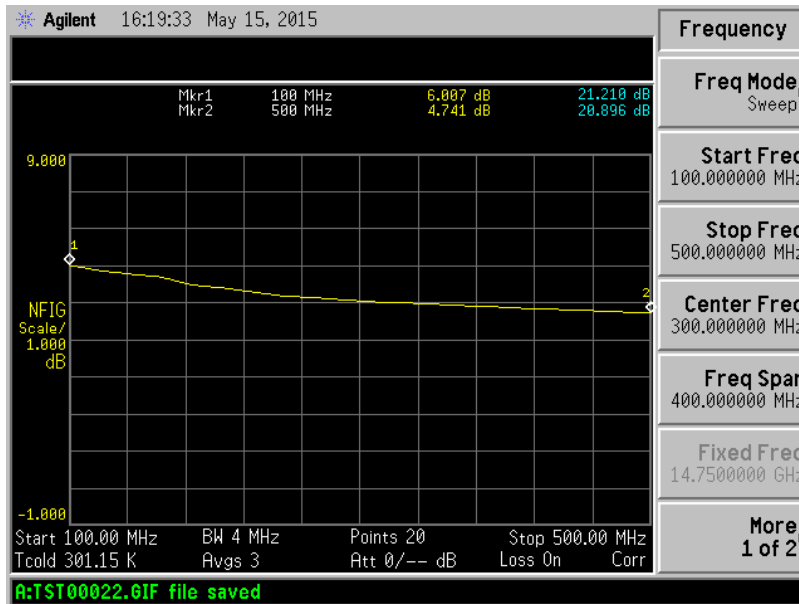




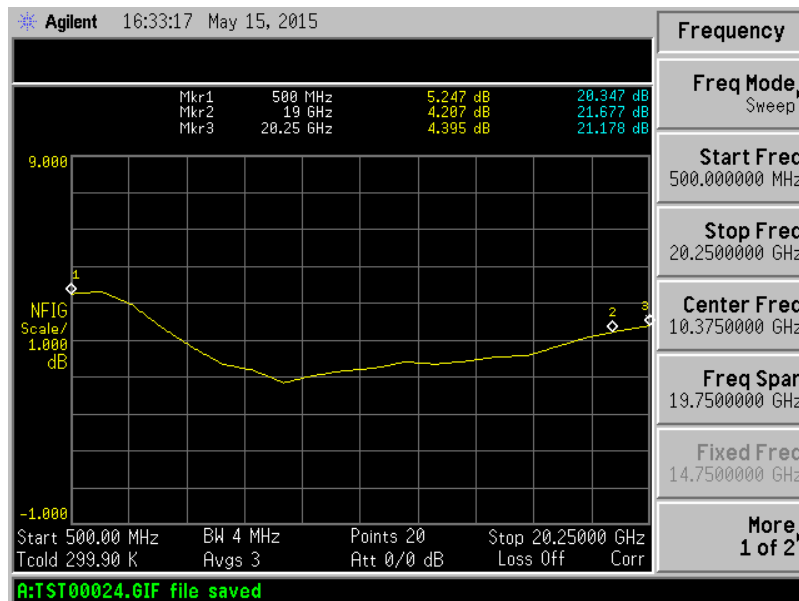
**SUMMARY TEST DATA
ON
SC00066-06 REV C**

PL17209/1521

**Noise Figure
100MHz to 500MHz**



**Noise Figure
500MHz to 20.25GHz**

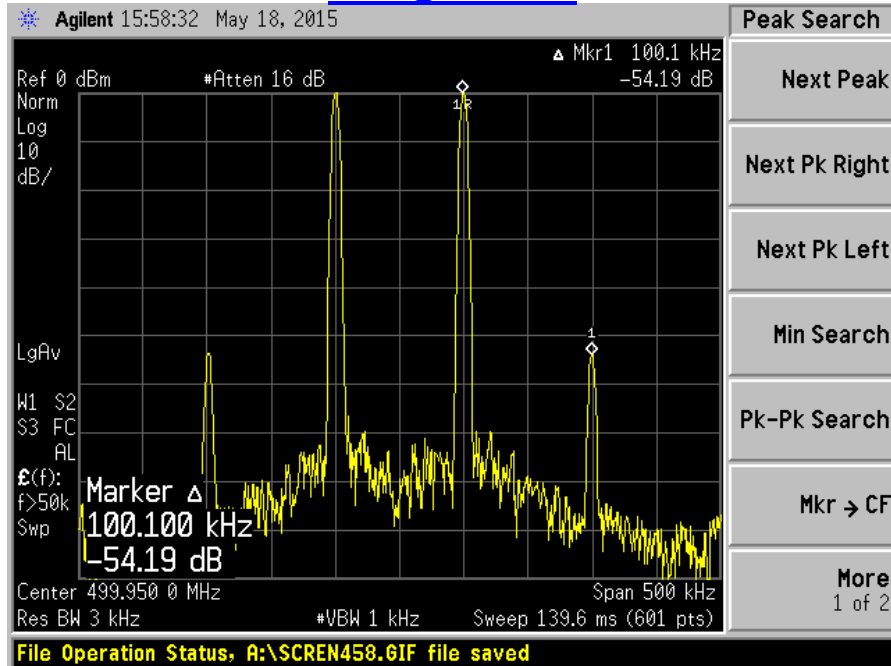




**SUMMARY TEST DATA
ON
SC00066-06 REV C**

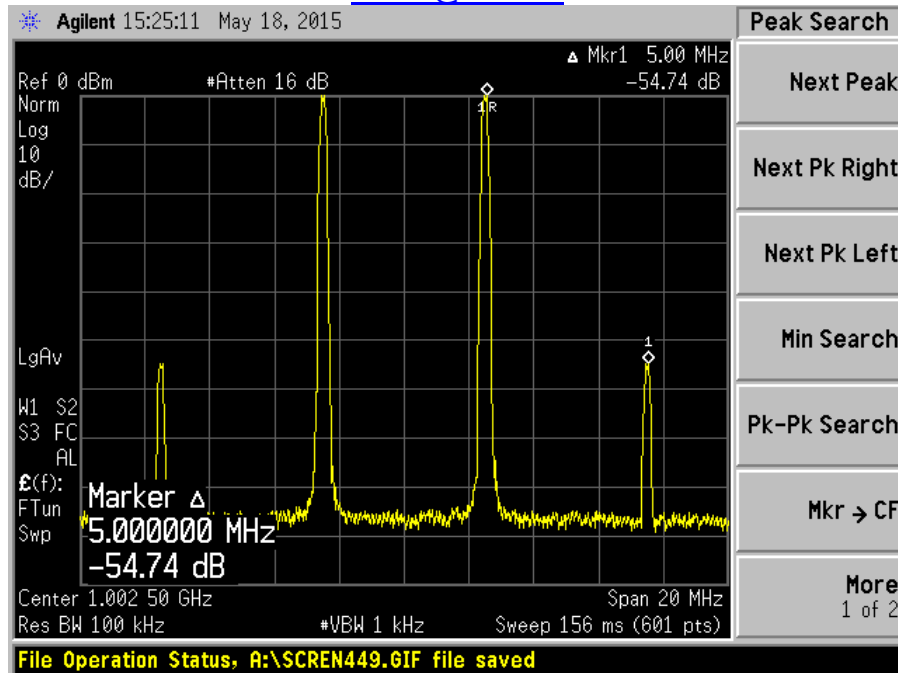
PL17209/1521

OIP3 @ 500 MHz



$$\begin{aligned} \text{OIP3} &= \text{Pout} + \text{dBc}/2 \\ &+ 27.09 \text{ dBm} = 0 + (54.19/2) \end{aligned}$$

OIP3 @ 1 GHz



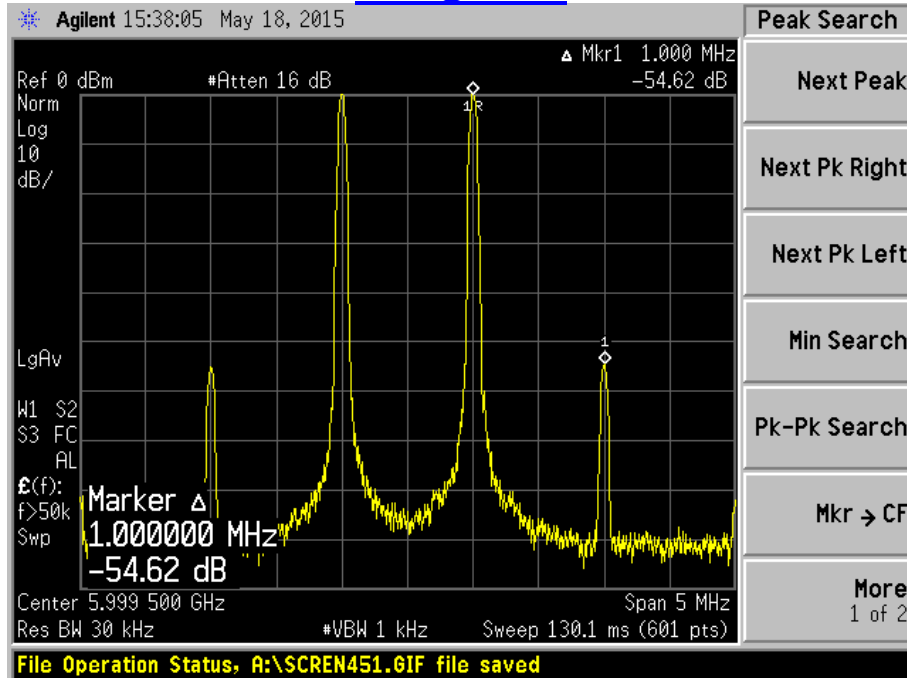
$$\begin{aligned} \text{OIP3} &= \text{Pout} + \text{dBc}/2 \\ &+ 27.37 \text{ dBm} = 0 + (54.74/2) \end{aligned}$$



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

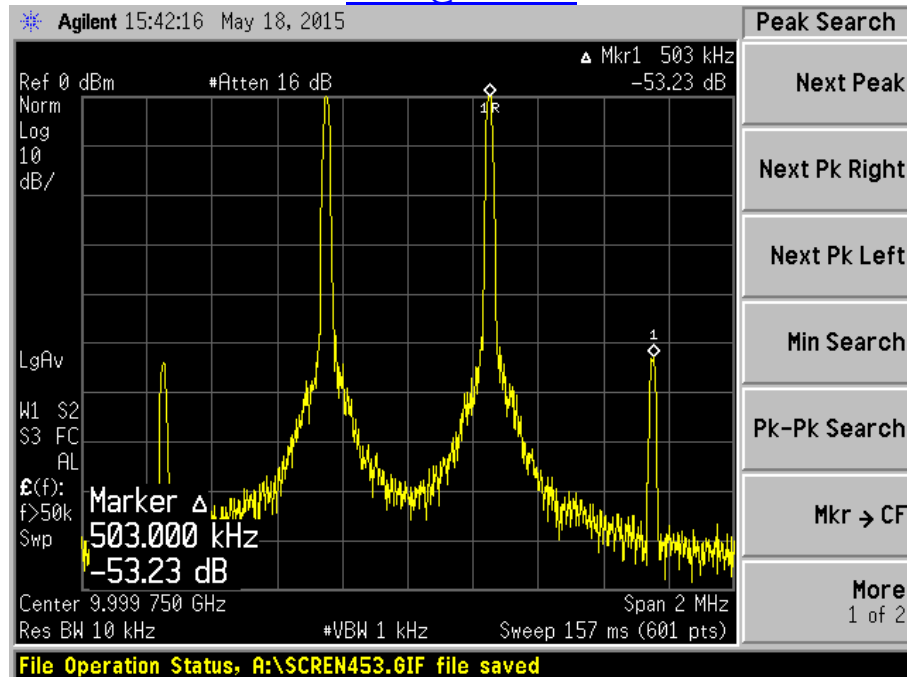
PL17209/1521

OIP3 @ 6 GHz



$$\begin{aligned} \text{OIP3} &= \text{Pout} + \text{dBc}/2 \\ +27.31\text{dBm} &= 0 + (54.62/2) \end{aligned}$$

OIP3 @ 10 GHz



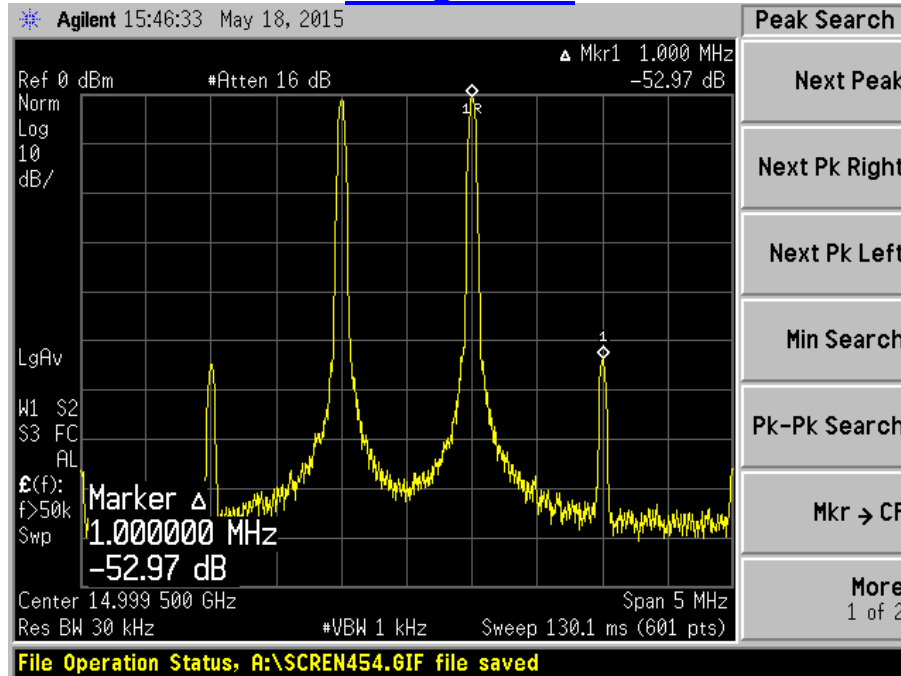
$$\begin{aligned} \text{OIP3} &= \text{Pout} + \text{dBc}/2 \\ +26.61\text{dBm} &= 0 + (53.23/2) \end{aligned}$$



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

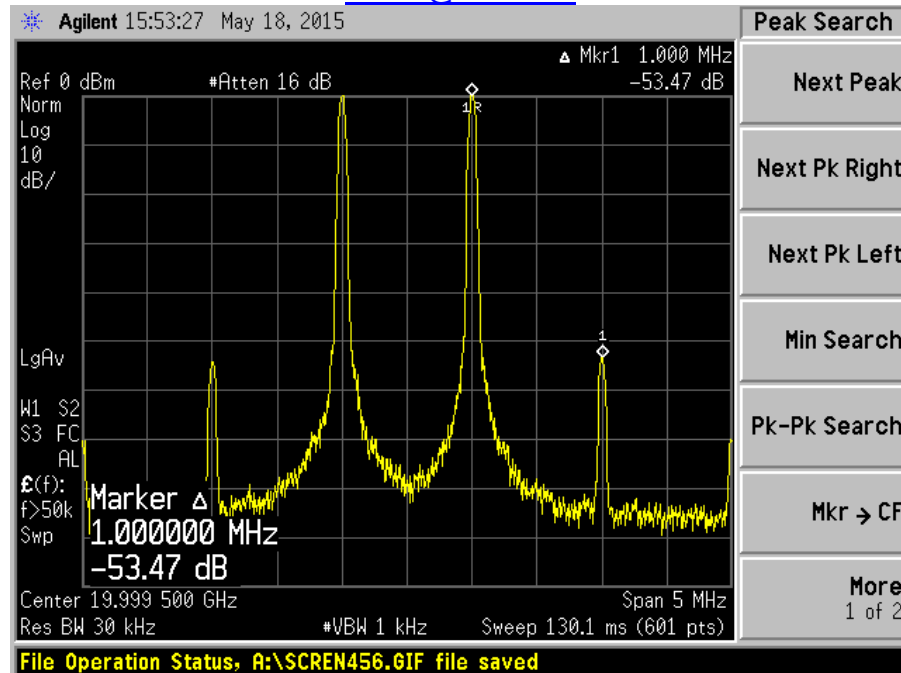
PL17209/1521

OIP3 @ 15 GHz



$$\begin{aligned} \text{OIP3} &= \text{Pout} + \text{dBc}/2 \\ +26.48\text{dBm} &= 0 + (52.97/2) \end{aligned}$$

OIP3 @ 20 GHz



$$\begin{aligned} \text{OIP3} &= \text{Pout} + \text{dBc}/2 \\ +26.73\text{dBm} &= 0 + (53.47/2) \end{aligned}$$



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

PL17209/1521

Reverse Isolation

