



Typical Characteristics
For
PS-360-900M930M-6-SFF



December 20, 2012
Reported and Tested by Kevin Mansfield



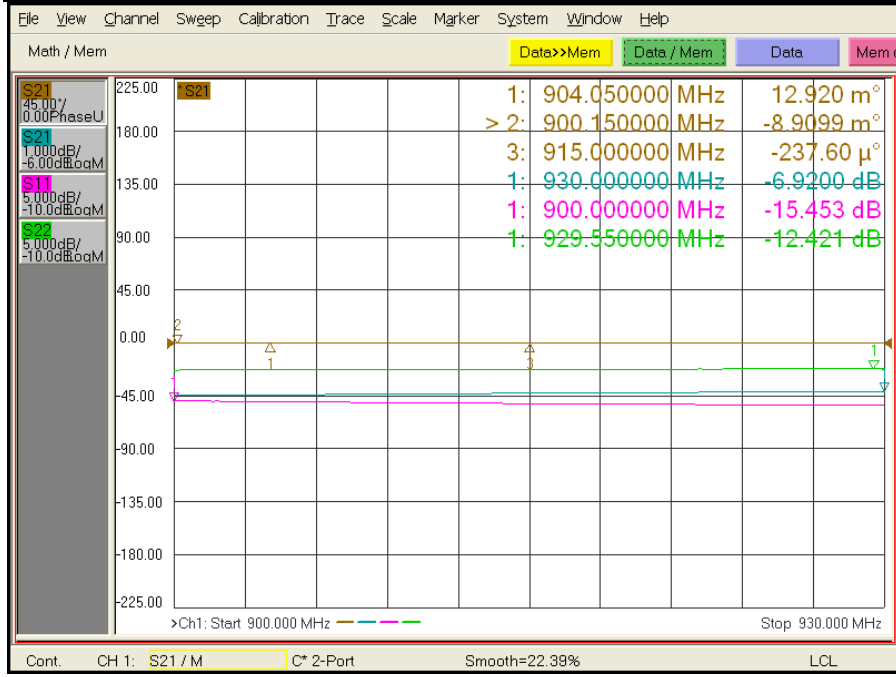
**Typical Characteristics
For
PS-360-900M930M-6-SFF**

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC																																																															
1	Frequency Range:	900 TO 930MHz	900 TO 930MHz (See Plot)																																																																
2	Switching Speed:	1us Max	250ns (See Plot)																																																																
3	Insertion Loss:	6dB Goal, 7.5dB Max	6.9dB (See Plot)																																																																
4	VSWR:	2.0:1 Typ.	1.63:1 (See Plot)																																																																
5	Operating Input Power:	+14dBm CW Max	Pass																																																																
6	Power Supply	+15VDC @ 80mA -15VDC @ 80mA	32mA 0mA																																																																
7	Control:	6 Bit TTL	<p style="text-align: center;">TRUTH TABLE</p> <table border="1"> <thead> <tr> <th>PHASE</th> <th>180°</th> <th>90°</th> <th>45°</th> <th>22.5°</th> <th>11.2°</th> <th>5.6°</th> </tr> </thead> <tbody> <tr> <td>0°</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>5.6°</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1</td> </tr> <tr> <td>11.2°</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>1</td> <td>0</td> </tr> <tr> <td>22.5°</td> <td>0</td> <td>0</td> <td>0</td> <td>1</td> <td>0</td> <td>0</td> </tr> <tr> <td>45°</td> <td>0</td> <td>0</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>90°</td> <td>0</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>180°</td> <td>1</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> <tr> <td>354.4°</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> </tr> </tbody> </table>	PHASE	180°	90°	45°	22.5°	11.2°	5.6°	0°	0	0	0	0	0	0	5.6°	0	0	0	0	0	1	11.2°	0	0	0	0	1	0	22.5°	0	0	0	1	0	0	45°	0	0	1	0	0	0	90°	0	1	0	0	0	0	180°	1	0	0	0	0	0	354.4°	1	1	1	1	1	1	
PHASE	180°	90°	45°	22.5°	11.2°	5.6°																																																													
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11.2°	0	0	0	0	1	0																																																													
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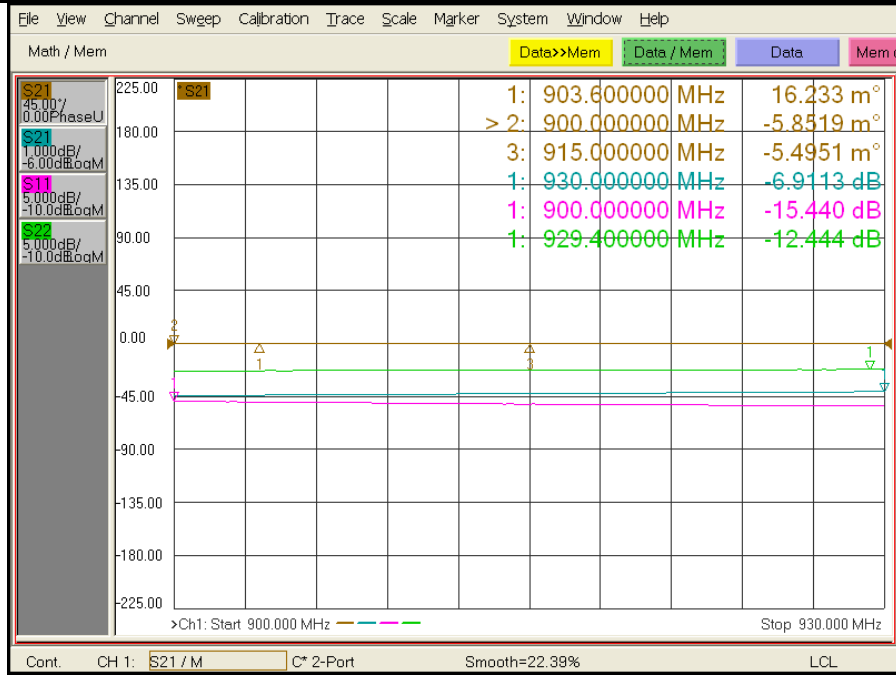


Typical Characteristics For PS-360-900M930M-6-SFF

Insertion Loss, Phase, and Return Loss 0 Degrees Selected



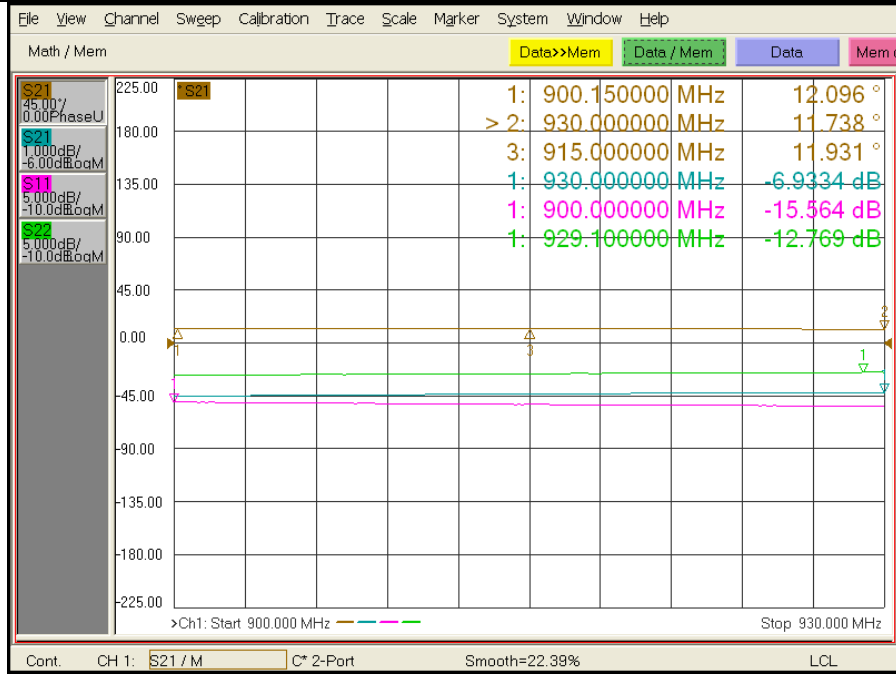
Insertion Loss, Phase, and Return Loss 5.6 Degrees Selected



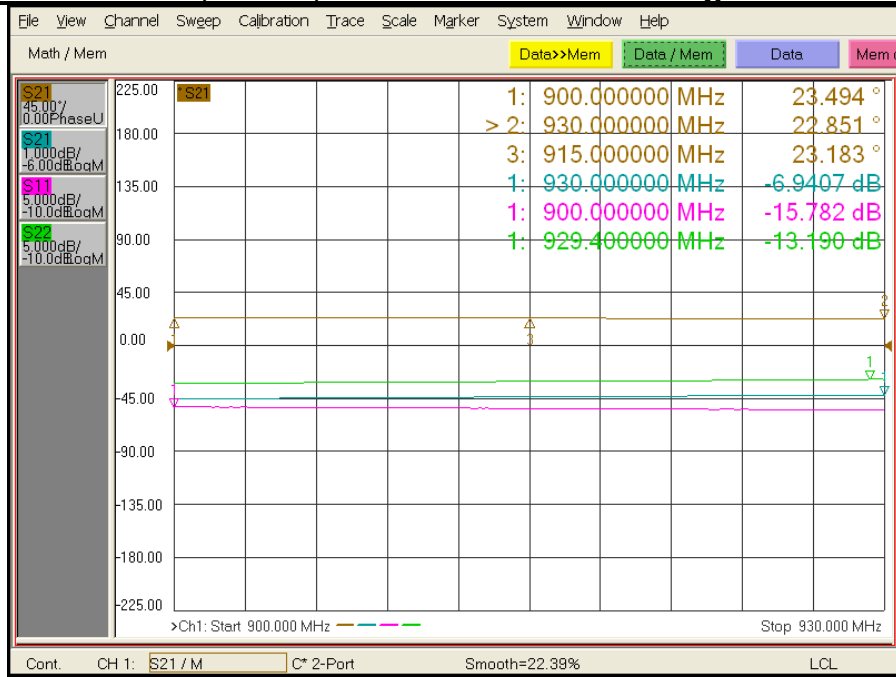


Typical Characteristics For PS-360-900M930M-6-SFF

Insertion Loss, Phase, and Return Loss 11.2 Degrees Selected



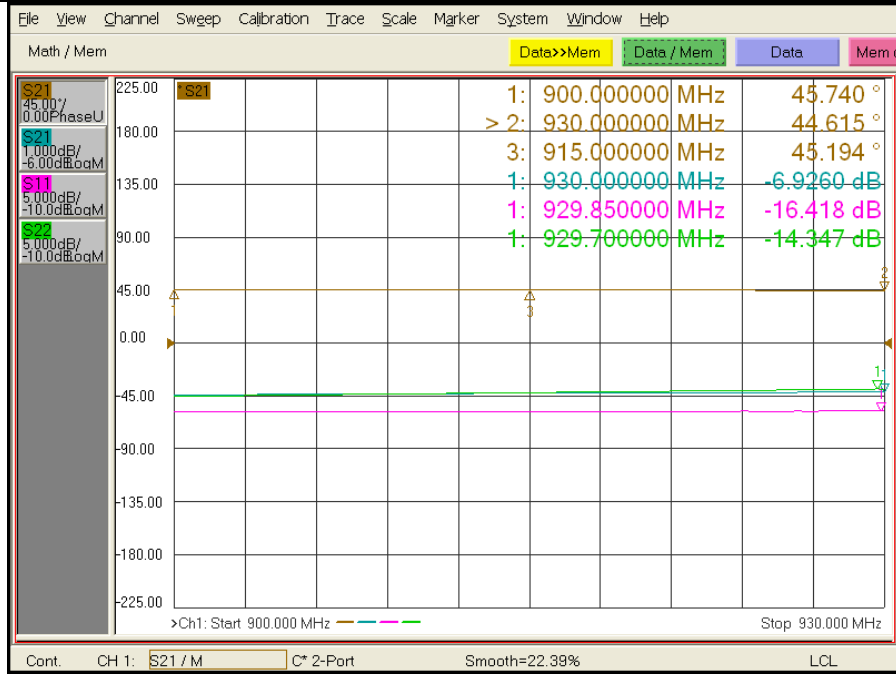
Insertion Loss, Phase, and Return Loss 22.5 Degrees Selected



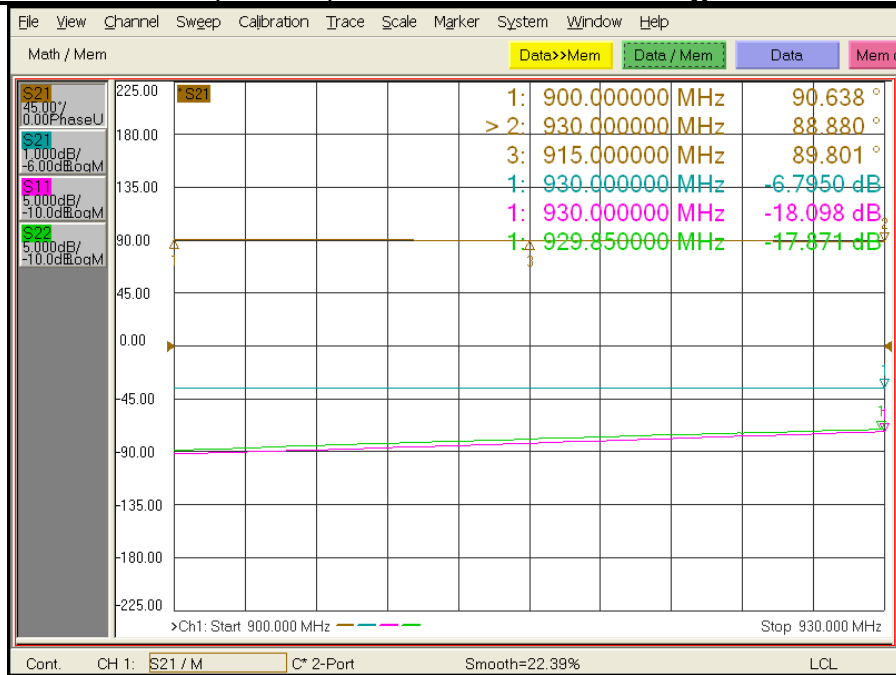


Typical Characteristics For PS-360-900M930M-6-SFF

Insertion Loss, Phase, and Return Loss 45 Degrees Selected



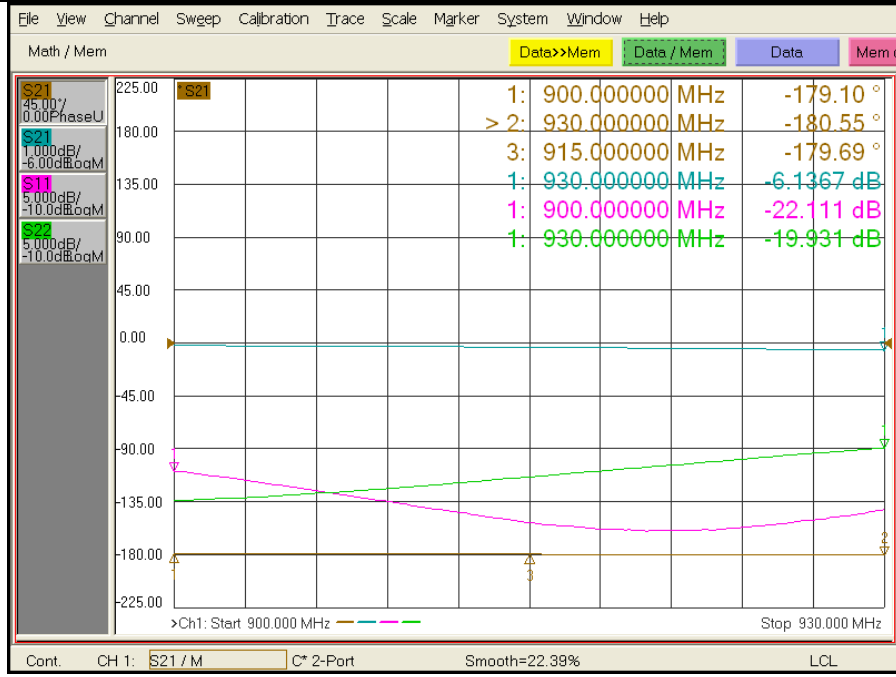
Insertion Loss, Phase, and Return Loss 90 Degrees Selected



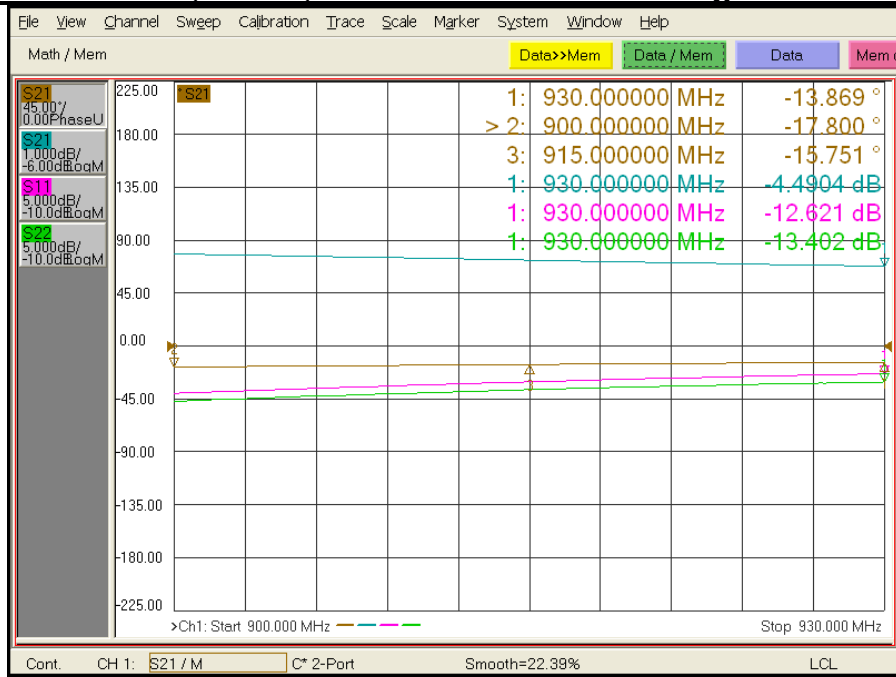


Typical Characteristics For PS-360-900M930M-6-SFF

Insertion Loss, Phase, and Return Loss 180 Degrees Selected



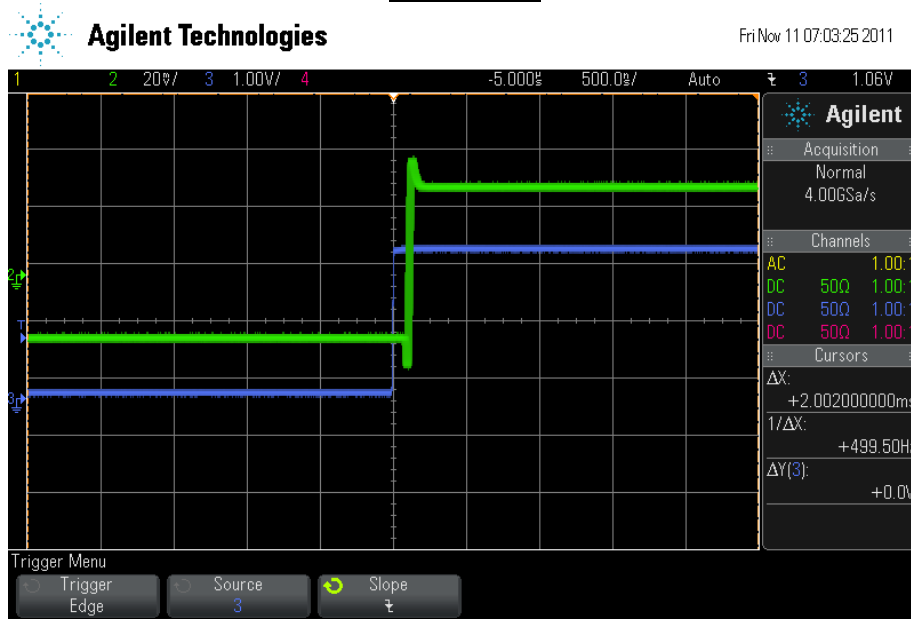
Insertion Loss, Phase, and Return Loss 354.4 Degrees Selected



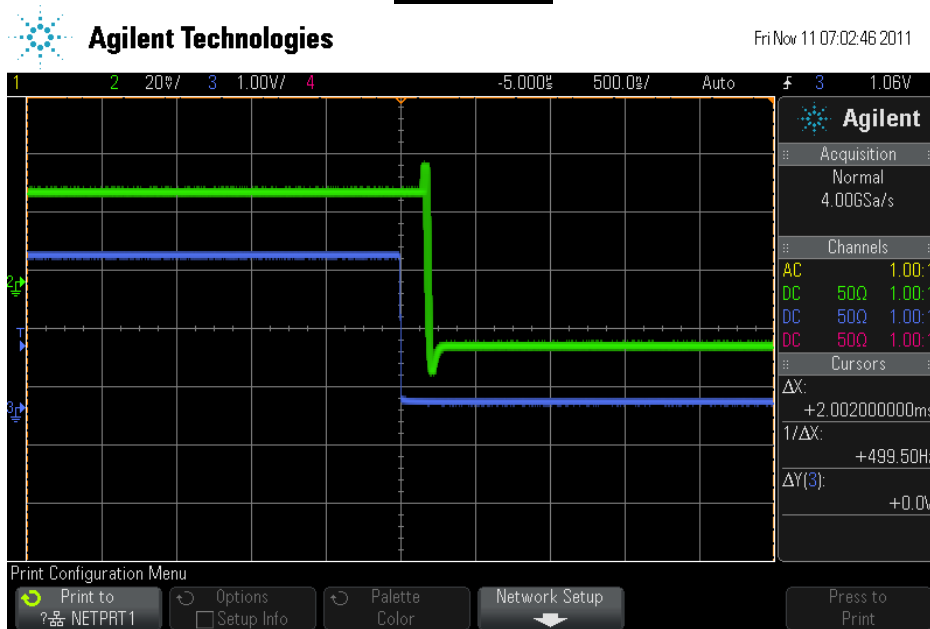


Typical Characteristics For PS-360-900M930M-6-SFF

ON Delay



OFF Delay



Channel 2 (Green): IF output of double-balanced mixer

Channel 3 (Blue): TTL Input from Signal Generator