



**SUMMARY TEST DATA  
ON  
SFB-6G18G-2CH-6D8-500NS-SFF**

PL21951/1751

Customer: \_\_\_\_\_  
Model No: SFB-6G18G-2CH-6D8-500NS-SFF  
Serial No: PL21951/1751

Tested By: RCombs  
Temperature: +25°C  
Date: 12/21/17  
Drawing No: 27622850 Rev: A1

TEST ITEM	PARAMETERS	SPECIFIED VALUE	TEST MEASUREMENT	QA QC
1	Frequency CH1	6.0 to 10.40 GHz	<b>6.0 to 10.40 GHz</b>	
2	Frequency CH2	10.40 to 18.0 GHz	<b>10.40 to 18.0 GHz</b>	
3	Insertion Loss CH1 & CH2	6 dB	<b>dB</b>	
4	Input VSWR CH1 & CH2	2.0:1 Max	<b>1.8:1</b>	
5	Output VSWR CH1 & CH2	2.0:1 Max	<b>1.72:1</b>	
6	Isolation	60 dBc Min	<b>&gt;60 dBc</b>	
7	CH1 Rejection	50 dBc @ 12.0 to 18.0 GHz	<b>62.9 dBc</b>	
8	Switching Speed	500 ns Max	<b>109 ns</b>	
9	Second Harmonic	60 dBc @ +27 dBm	<b>Ch1: 60 dBc @ +7 dBm, 47 dBc @ +20 dBm Ch2: 60 dBc @ +9 dBm, 48.5 dBc @ +20 dBm</b>	
10	Power Supply	+5 VDC @ 100 mA Max -15 VDC @ 50 mA Max	<b>+5 VDC @ 67 mA -15 VDC @ 45 mA</b>	
11	Video Leakage	100 mV Max (In 100 MHz Bandwidth)	<b>&lt;5 mV</b>	

QA/QC Approval: \_\_\_\_\_

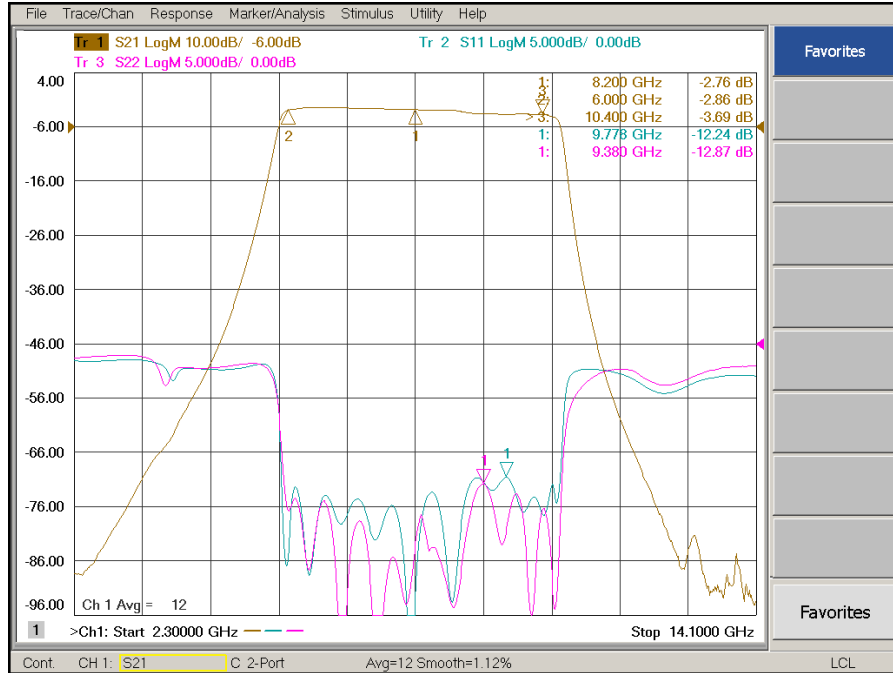
Date: \_\_\_\_\_



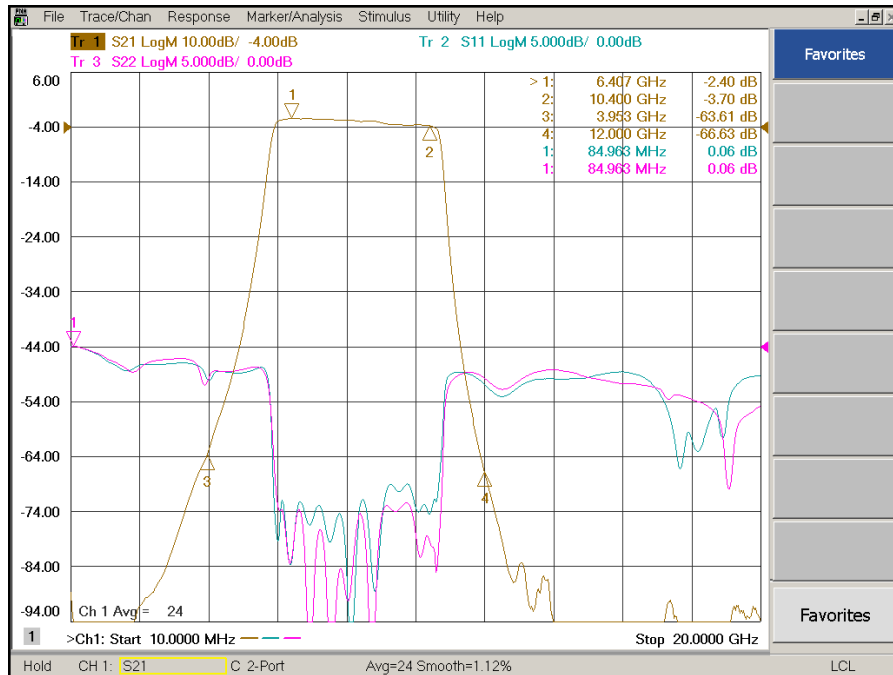
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**CHANNEL 1 INSERTION LOSS AND VSWR**



**CHANNEL 1 RESPONSE (10 MHz TO 20 GHz)**

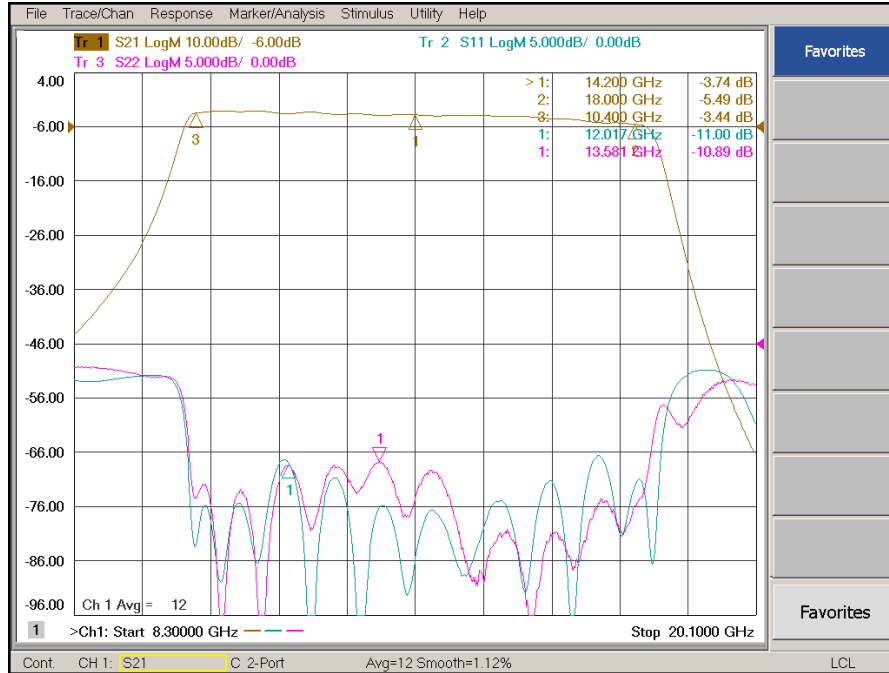




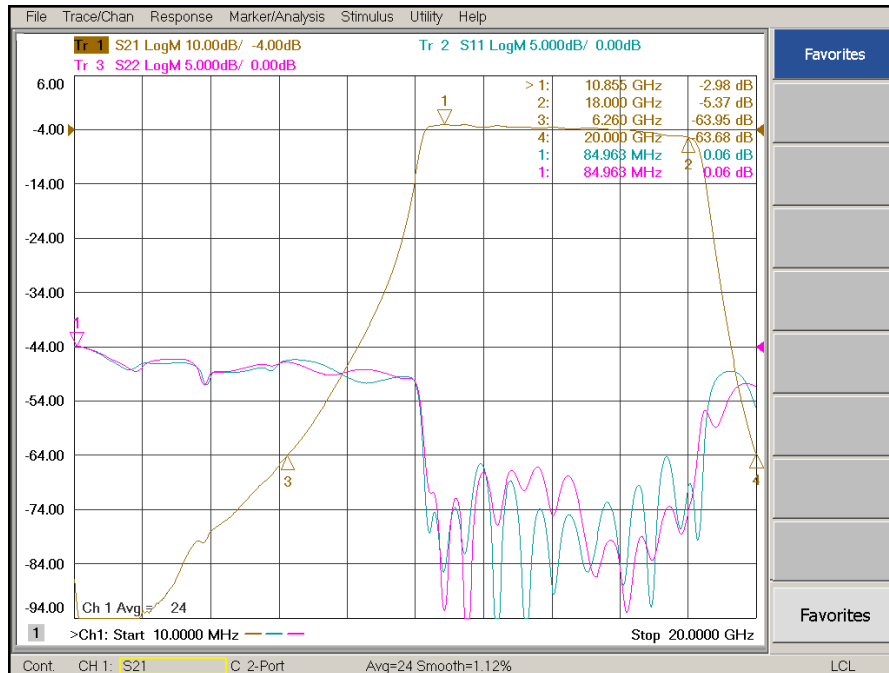
**SUMMARY TEST DATA  
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**CHANNEL 2 INSERTION LOSS AND VSWR**



**CHANNEL 2 RESPONSE (10 MHz TO 20 GHz)**

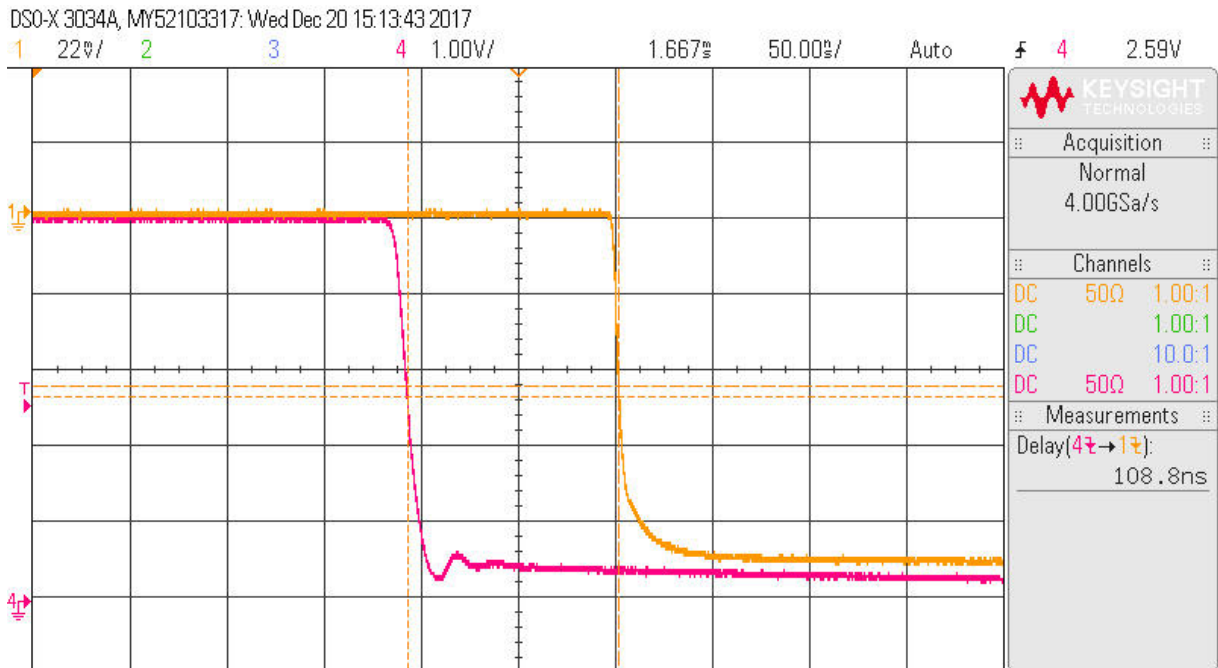




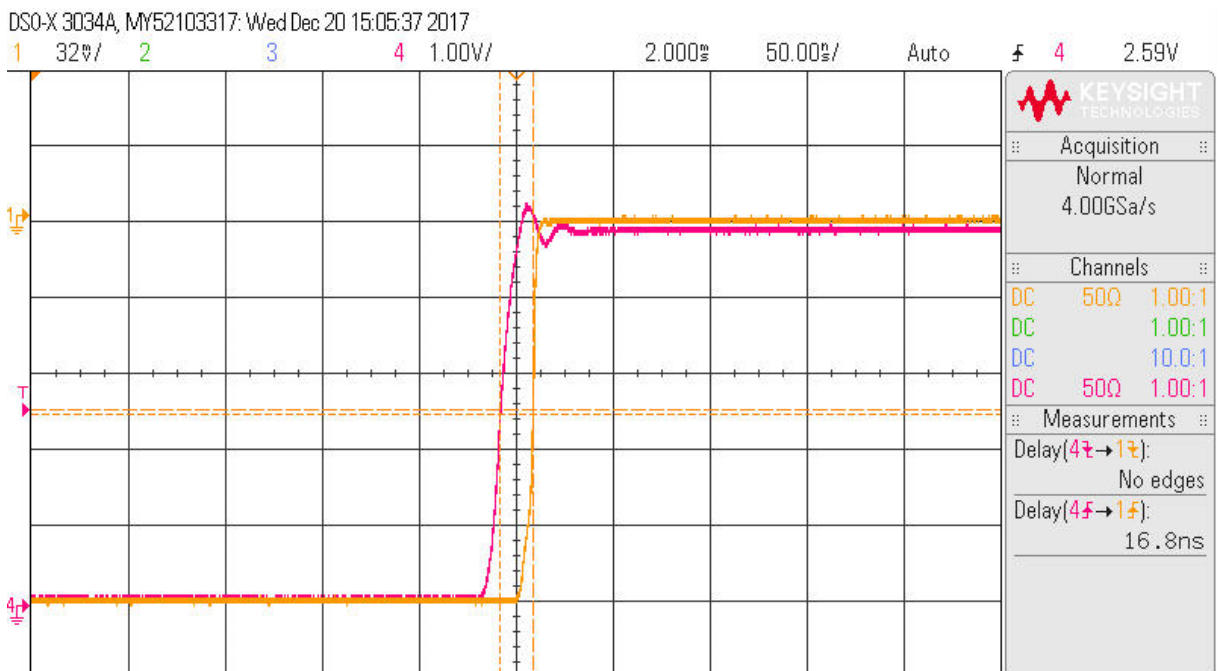
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## SWITCHING SPEED CHANNEL 1 ON



## SWITCHING SPEED CHANNEL 1 OFF





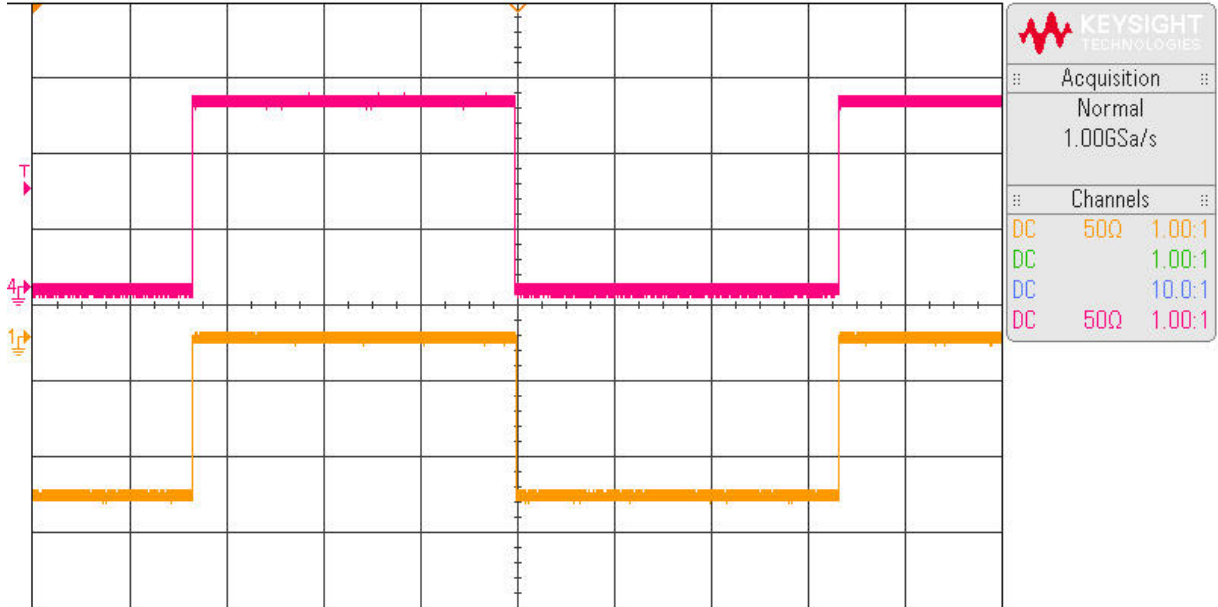
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**FULL PULSE CHANNEL 1**

DSO-X 3034A, MY52103317: Wed Dec 20 15:17:11 2017

1 50% / 2 3 4 2.00V / 1.668ns 100.0% / Auto f 4 2.59V

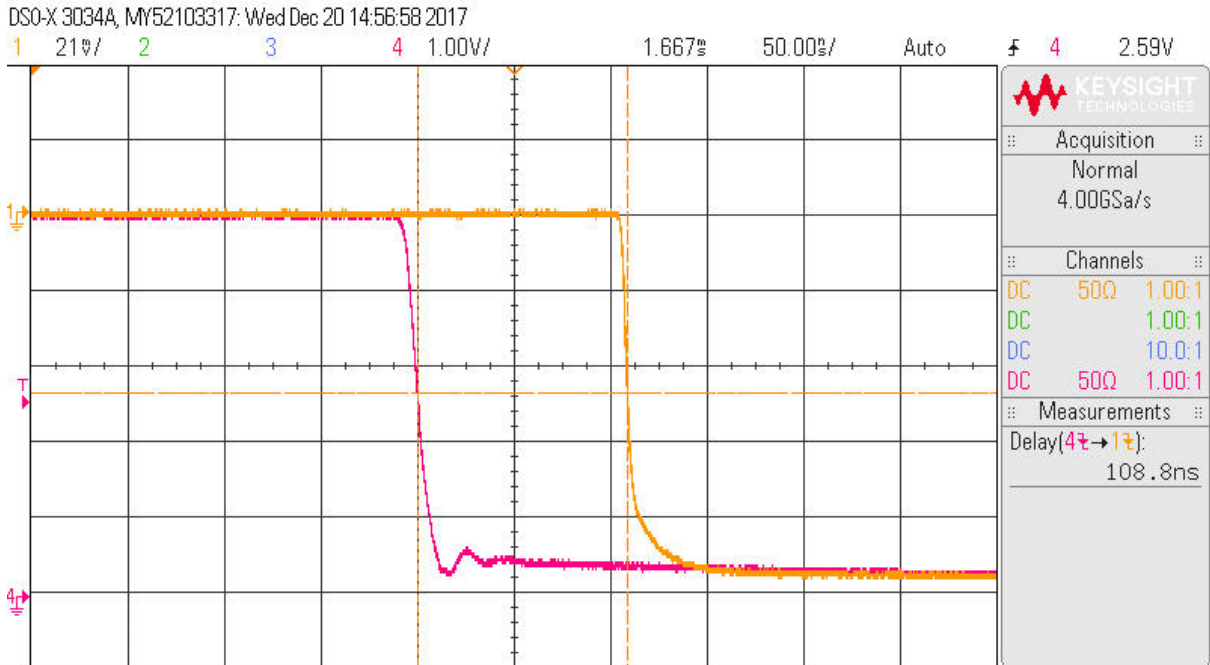




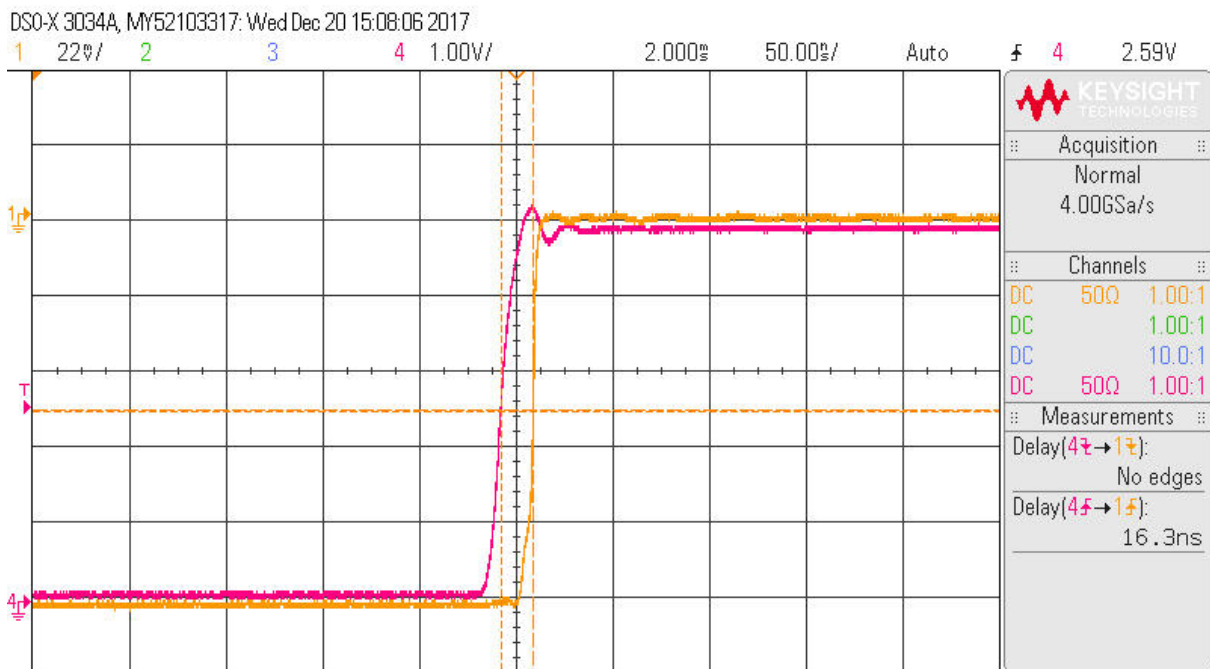
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**SWITCHING SPEED CHANNEL 2 ON**



**SWITCHING SPEED CHANNEL 2 OFF**





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**FULL PULSE CHANNEL 2**

DSO-X 3034A, MY52103317: Wed Dec 20 15:17:55 2017

1 50% / 2 3 4 2.00V / 1.668ns 100.0% / Auto f 4 2.59V

