



**SUMMARY TEST DATA  
ON  
DLVA-218-45-100MV-CW**

**PL37089/2226**

Customer: \_\_\_\_\_ Tested By: Jim Hopson  
SO No: \_\_\_\_\_ Temperature: +25°C  
Model No: DLVA-218-45-100MV-CW Date: 06/29/22  
Serial No: PL37089/2226 Drawing No: 27633820 Rev: A2

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range	2 GHz to 18 GHz	2 GHz to 18 GHz	
2	Frequency Flatness	±2.0 dB TYP.	±0.6 dB	
3	Signal Capability	Pulse (100 ns – 300 µs)	Pass	
4	TSS from -20°C to +85°C	-45 dBm TYP.	-46 dBm Typ	
5	Log Dynamic Range	-40 dBm to +5 dBm	-40 dBm to +5 dBm	
6	Log Slope	100 mV/dB Nominal	101 mV/dB	
7	Log Linearity	±1.5 dB Max	+0.80 dB -0.61 dB	
8	DC Offset	±150 mV TYP.	137 mV	
9	Output Rise Time	25 ns Max	16 ns	
10	Settling Time	55ns Max, 90% Output to ±0.5dB of Final Value	Pass	
11	Recovery Time	500 ns Max	460 ns	
12	Input VSWR	2.5 : 1 TYP.	2.44 : 1	
13	Max Input Level	+20dBm CW	+20 dBm CW	
14	Power Supply	+15VDC @ 150mA Max -15VDC @ 150mA Max	70 mA 70 mA	

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

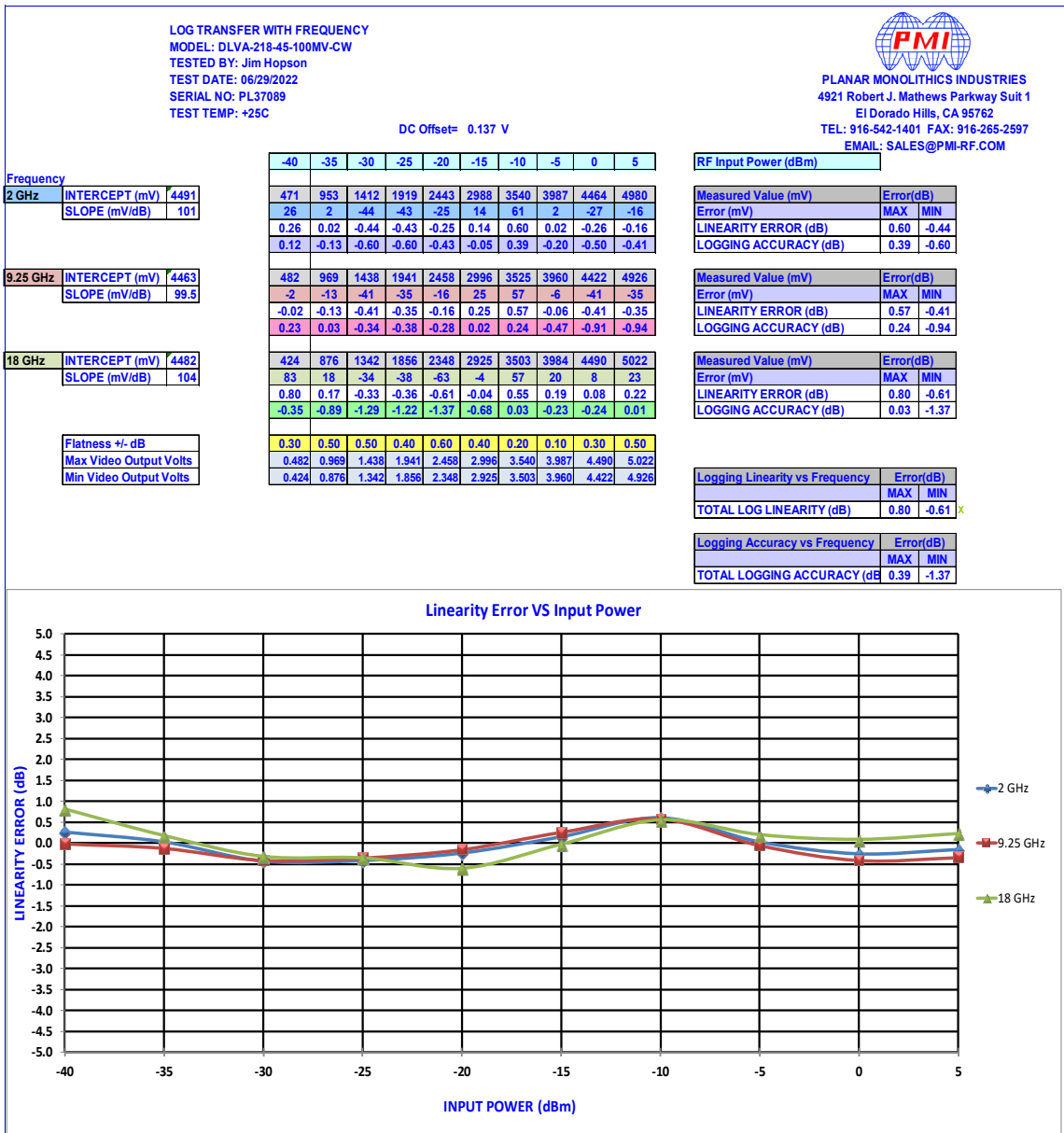
4921 Robert J. Mathews Parkway, Suite 1, El Dorado Hills, CA, 95762  
Phone: (916) 542-1401 Fax: (916) 265-2597  
Email: [sales@pmi-rf.com](mailto:sales@pmi-rf.com)



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## Transfer Response @ 25°C



### Linearity Error VS Input Power

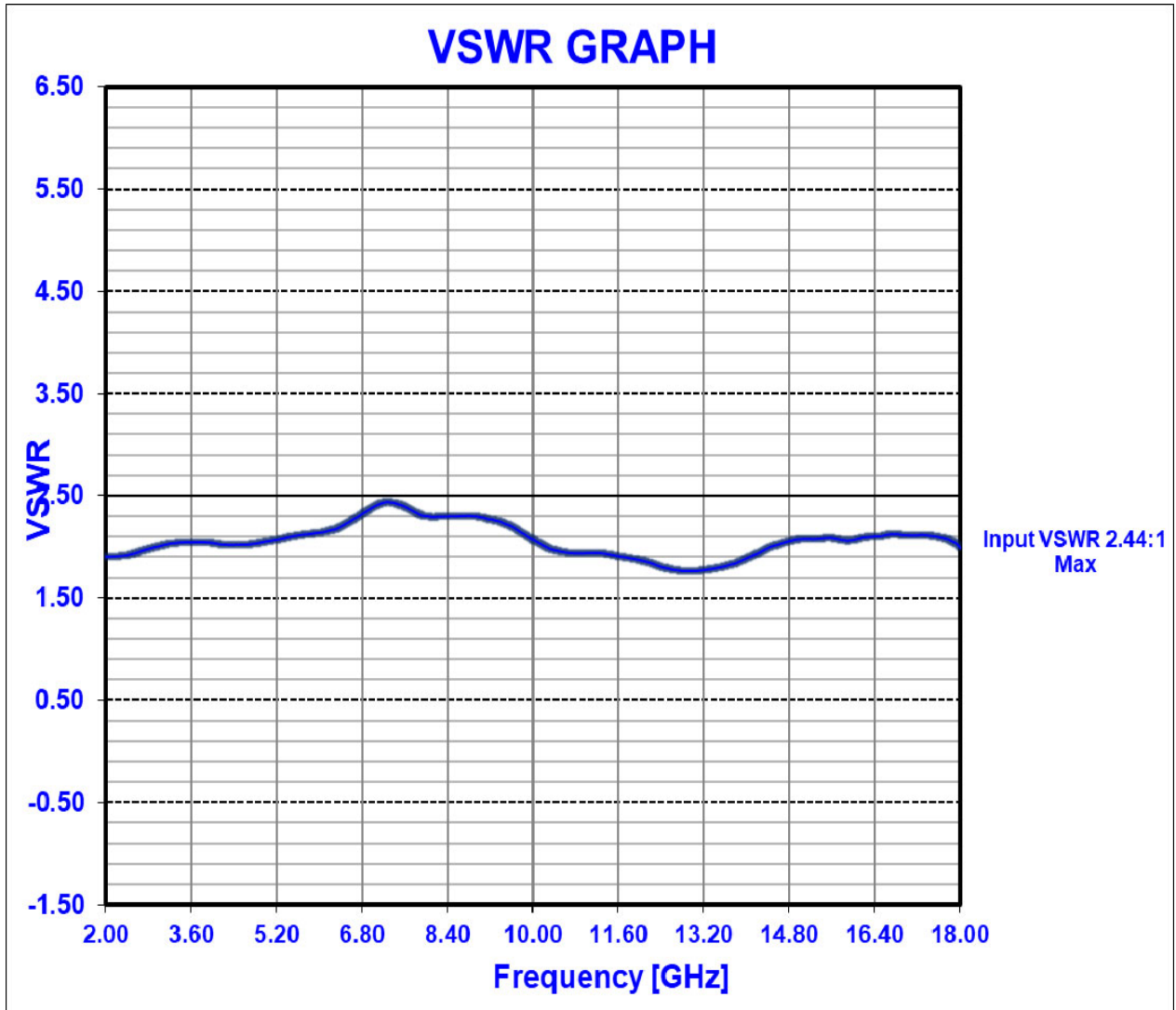
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**VSWR**



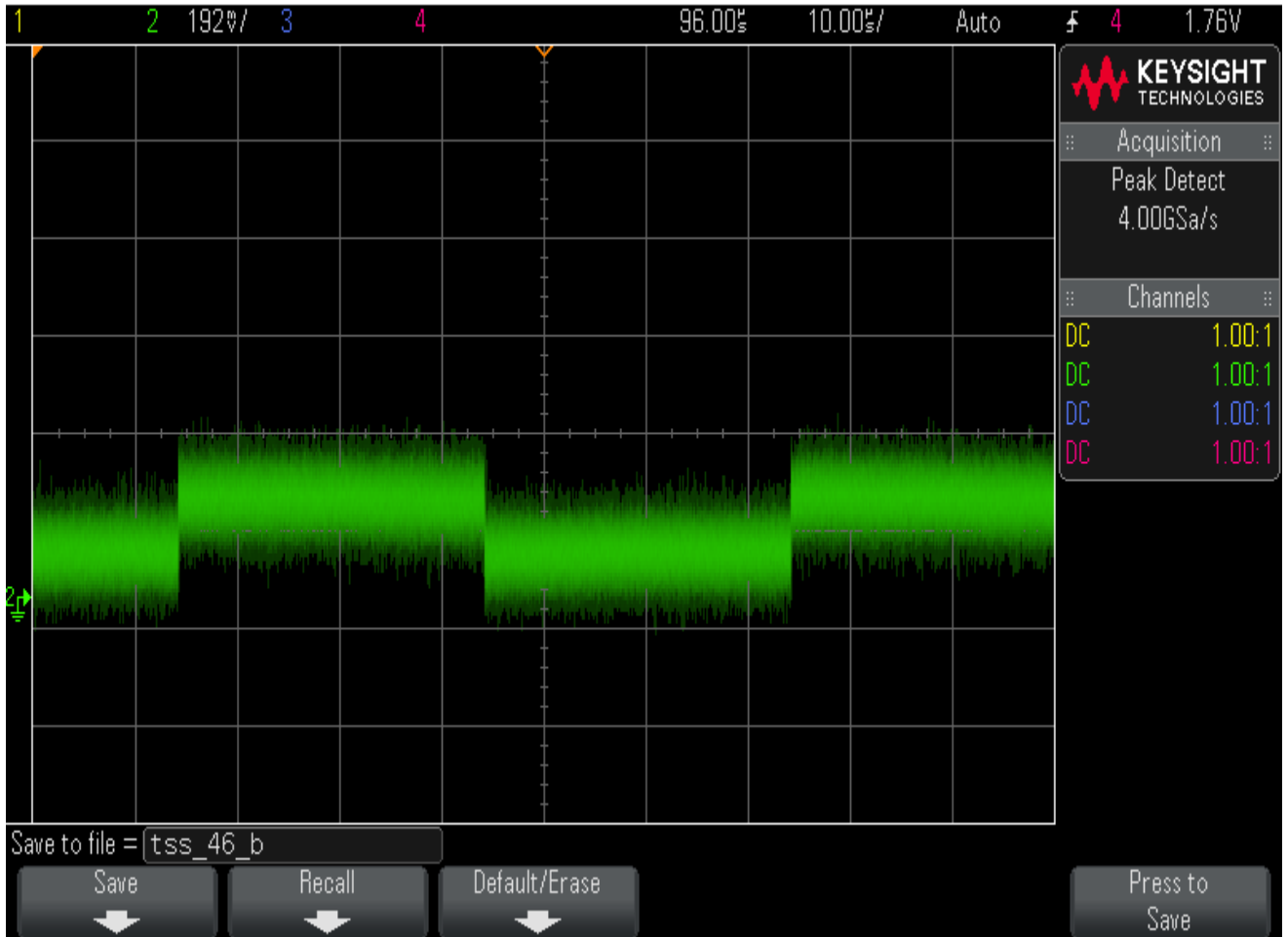


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**TSS -46 dBm @ 25°C**

DSO-X 3034A, MY52394003: Tue Jun 28 12:23:14 2022



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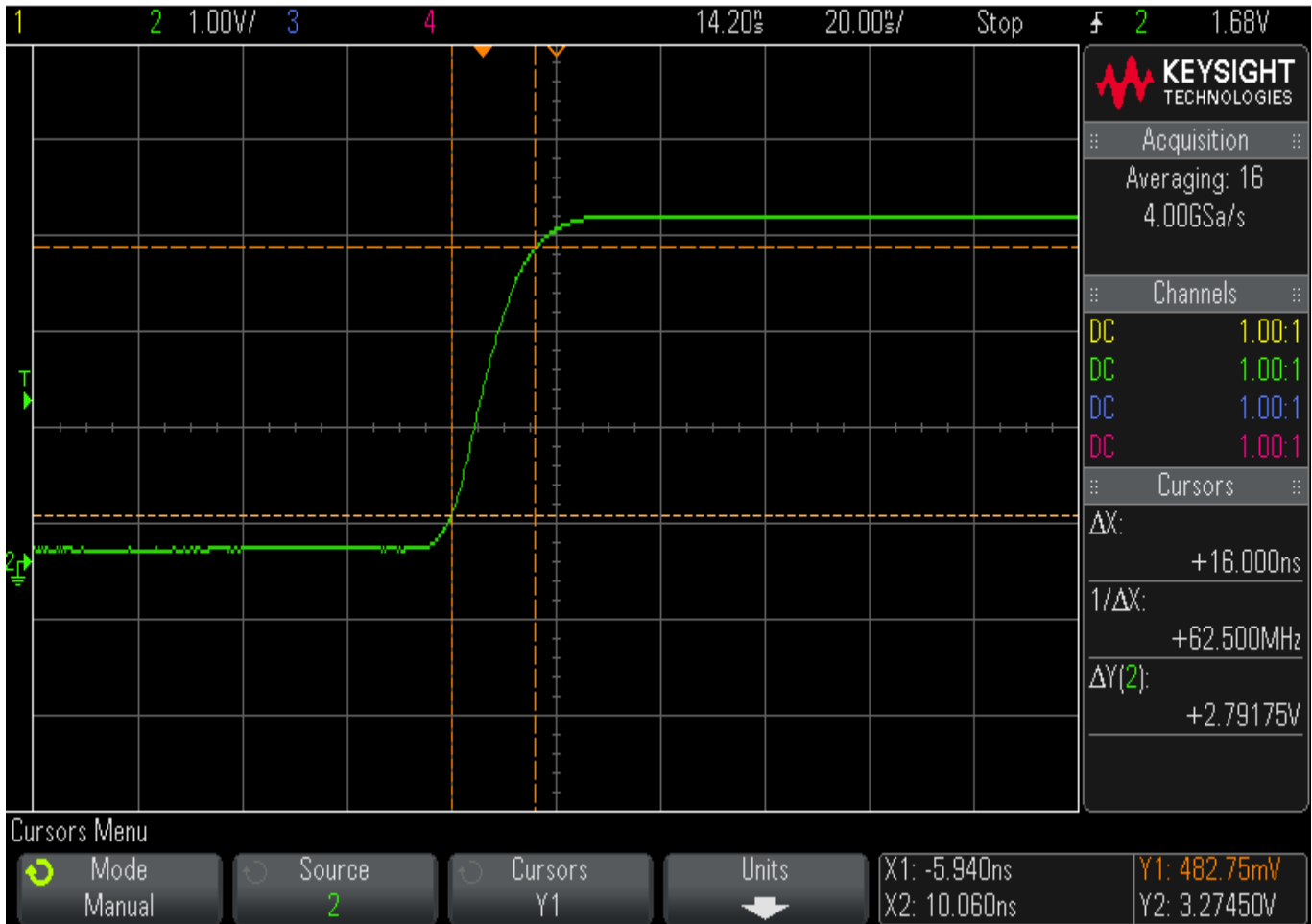


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## Rise Time

DSO-X 3034A, MY52394003: Tue Jun 28 10:30:30 2022



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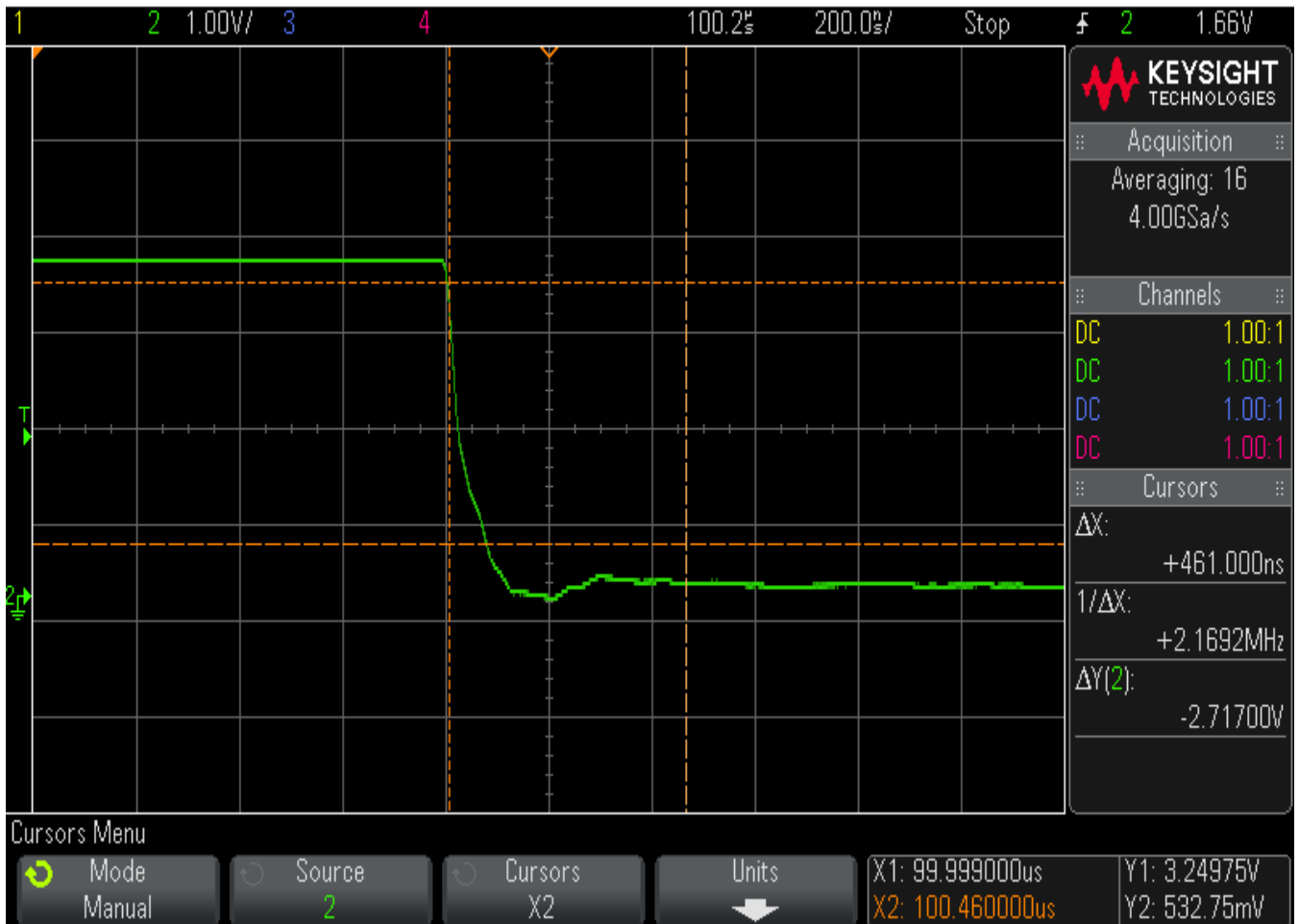


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## Recovery Time

DSO-X 3034A, MY52394003: Tue Jun 28 11:43:22 2022



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