



**SUMMARY TEST DATA
ON
SDLVA-18G40G-65-CD-292FF-
OPHS**

Customer: _____	Tested By: <u>DA</u>
SO No: _____	Temperature: <u>+25°C</u>
Model No: <u>SDLVA-18G40G-65-CD-292FF-OPHS</u>	Date: <u>01/21/25</u>
Serial No: <u>PL50079/2504</u>	Drawing No: <u>27637200</u>

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	18.0 to 40.0GHz	18.0 to 40.0GHz	PMI QA3
2	TSS	-65 dBm @25°C	-70dBm	
3	Input Power Handling	+10dBm Max.	+10dBm	
4	Video Log Range:	-63dBm to +2dBm	-63dBm to +2dBm	
5	Video Log Linearity:	± 2.0 dB @25°C ±3.0 dB over temp.	±1.05dB	
6	Video Log Slope:	25 mV/dB Nom.	25.0mV/dB	
7	Video Log Intercepts: Video Output:	At 2 dBm 1940 mV Max. 1476 mV Min. At -63 dBm 280 mV Max. 65 mV Min.	1786mV 1710mV 148mV 120mV	
8	Video Frequency Flatness:	±2.5dB Max. @ 25°	1.60dB	
9	Pulse Width Range:	25 ns to CW	Pass	
10	Video Rise Time:	11ns (8 ns Typ.)	7.0ns	
11	Recovery Time:	60ns (40 ns Typ.)	Pass	
12	Delay Time:	15 ns (5 ns Typ.) 7 ns over temp. Typ.	Pass	
13	Video Output Impedance:	50 Ω	50 Ω	
14	Input VSWR (50Ω):	2.5:1	2.15:1	
15	DC Power Supply:	+12V @ 400mA -12V @ 200mA	+12V@ 344mA -12V@ 158mA	

QA/QC Approval: K. Klammer Date: 1-22-25



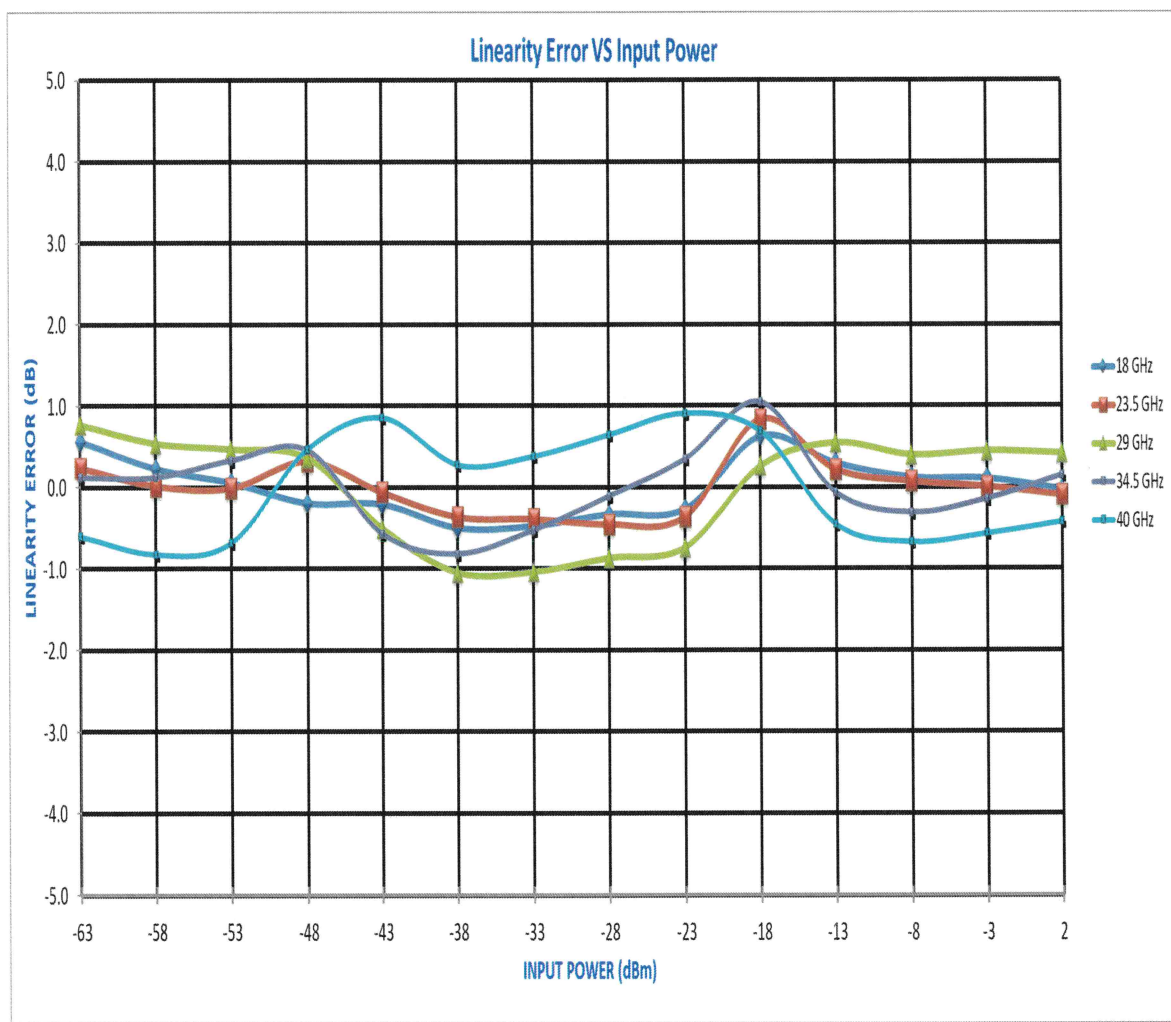


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Model: SDLVA-18G40G-65-CD-292FF-OPHS Serial Number: PL49578

Graph #1 (cont.)

Log Transfer vs Frequency @+25C





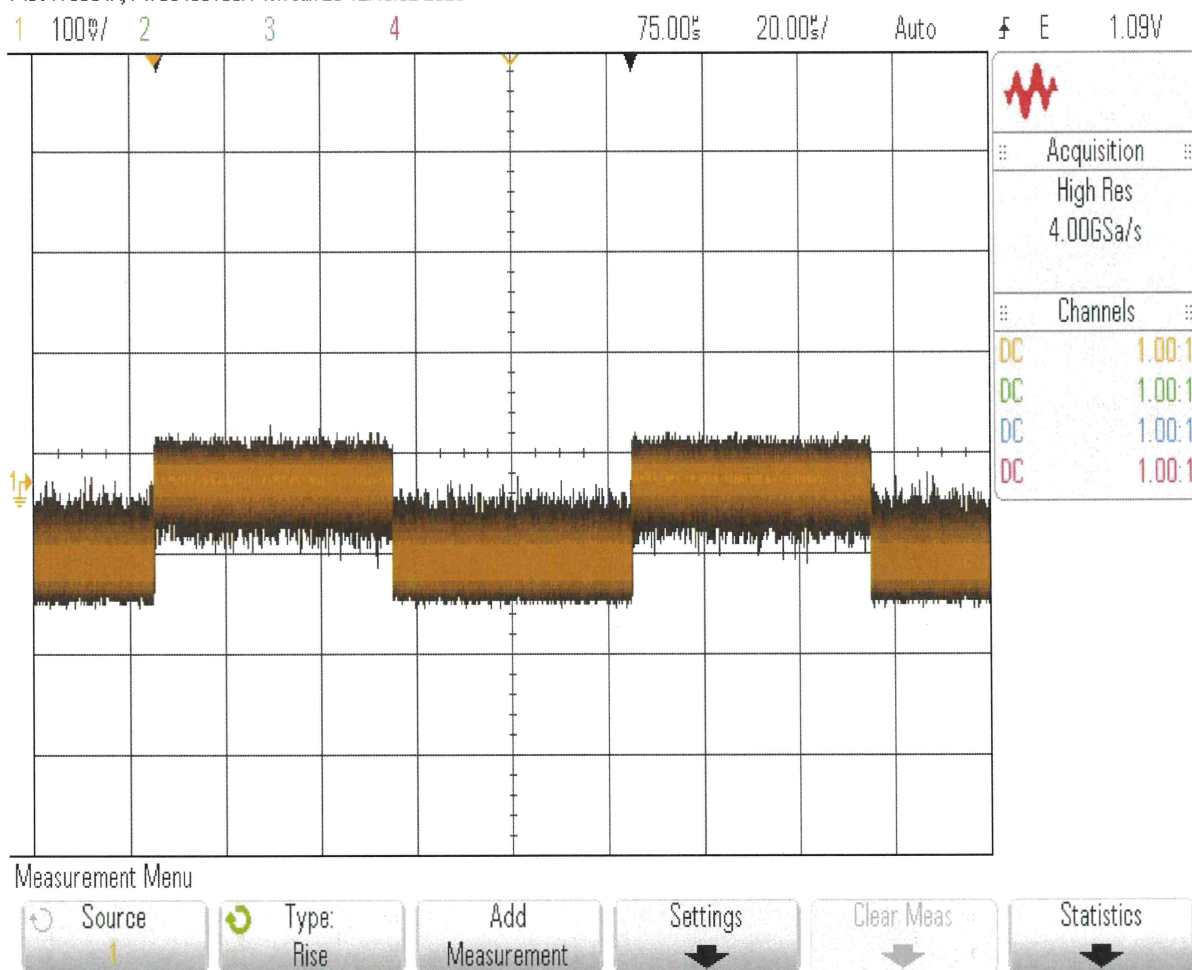
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Graph #2

TSS-70dBm @+25C

MSO-X 3054A, MY53400180: Mon Jan 20 12:40:02 2025





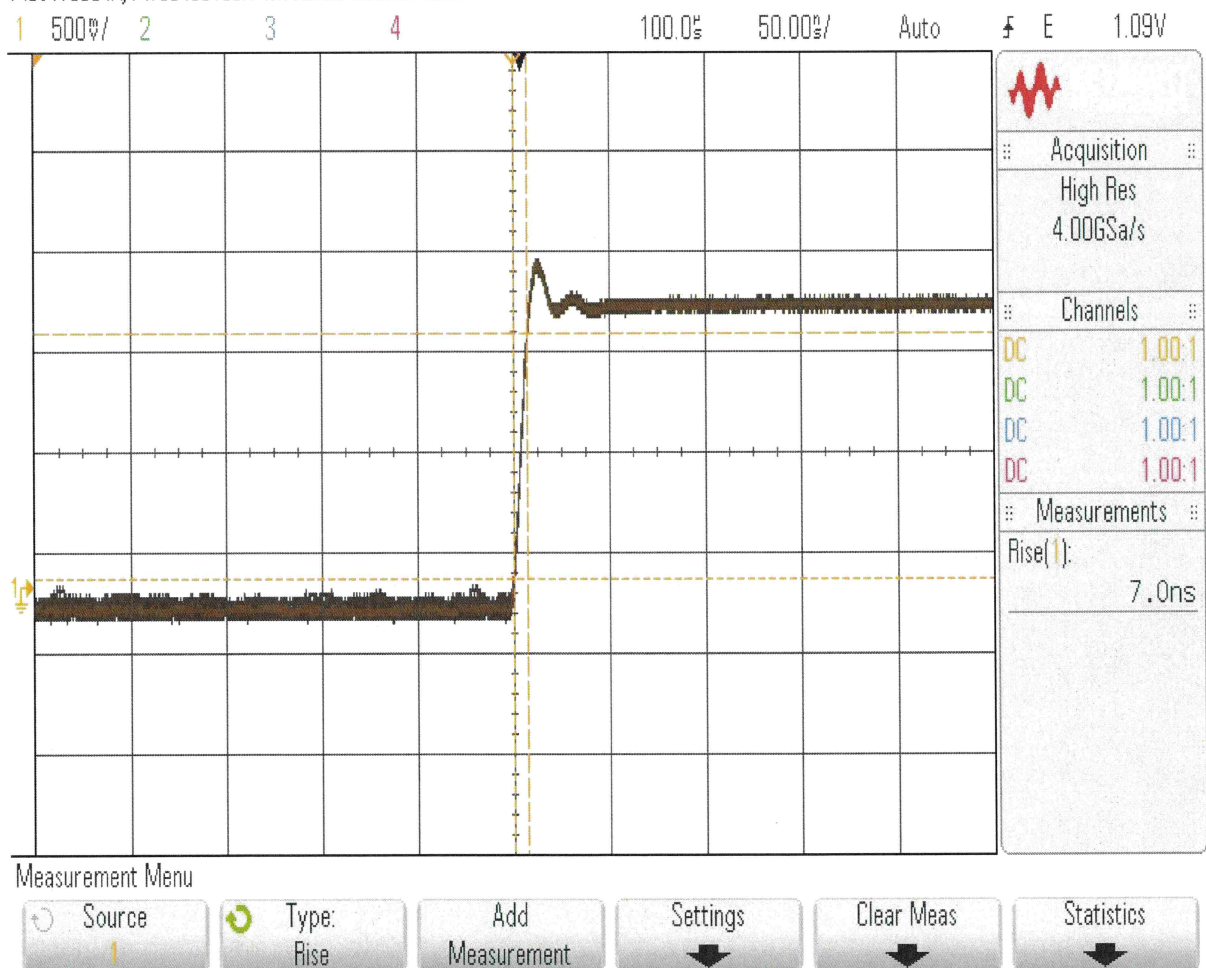
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Graph#3

Rise Time 7.0ns @+25C & +2dBm

MSO-X 3054A, MY53400180: Mon Jan 20 12:38:53 2025





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Model: SDLVA-18G40G-65-CD-292FF-OPHS **Serial Number:PL49578**

Graph#4

Fall Time 23.5ns @+25C & +2dBm

MSO-X 3054A, MY53400180: Mon Jan 20 12:37:53 2025





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Graph #5

VSWR 2.15:1 @+25C & -20dBm

