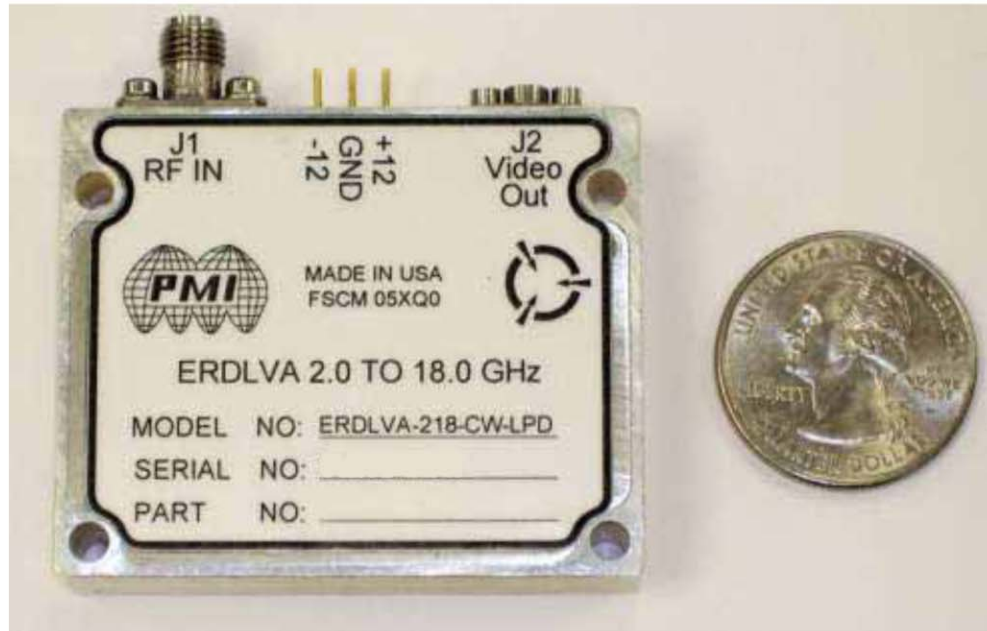




# Typical Characteristics For ERDLVA-218-CW-LPD



JUNE 30<sup>th</sup> 2011

Data taken by: Paul Kuhn

Compiled by: Kevin Mansfield



## SUMMARY TEST DATA

### ERDLVA-218-CW-LPD

Customer:	<u>PMI</u>	Tested By:	<u>P. Kuhn</u>
Job No:	<u>SO11-012-P</u>	Temperature:	<u>+25°C</u>
Model No:	<u>ERDLVA-218-CW-LPD</u>	Date:	<u>June 30 2011</u>
Serial No:	<u>TEST UNIT</u>		

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	MEASURED DATA	QA
1	Frequency Range:	2 GHz – 18 GHz	2 GHz – 18 GHz	
2	CW Level Range:	TSS to -40 dBm:	> -40 dBm	
3	Input Power:	30 dBm CW, 50 dBm Peak Pulse 1% Duty cycle (10us)	Pass By Design	
4	Flatness:	± 2.0 dB Max.	± 1.42 dB See Plots (Worst Case)	Test over Temperature
5	Propagation Delay	30nSec	28 nSec	
6	Log Linearity	± 1.75 dB Max.	± 0.75 dB See Plots	Test over Temperature
7	Logging Range:	-60 to +4 dBm	-60 to +4 dBm	
8	Log Slope	77mV/dB (±5)	74.19mV/dB @ 10 GHz	Test over Temperature
9	VSWR:	2.0:1 Max.	1.82:1	
10	Maximum Noise	100mV RMS	28.3mV RMS	
11	Duty Cycle	80% Max PW	> 80 %	
12	Drop	1dB	0.00 dB after 100uS	
13	Rejection Time	1mSec	350uSec @ -40 dBm	
14	Rise Time:	35 nSec Max.	24nSec @ 10 GHz	
15	Pulse Considered CW	900 μSec	250μSec	
16	Recovery Time:	500 nSec Max.	400 nSec	
17	TSS:	-64 dBm Min.	-65 dBm	
18	DC Supply Power:	± 10.8 to ± 12.5V Max Power 3.9W Both supplies	± 10.8V 178mA -68mA 2.66 W ± 12.5V 154 mA -69mA 2.79 W	

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



## ERDLVA-218-CW-LPD

Customer: <b>PMI</b>	Tested By: <b>P. Kuhn</b>
Job No: <b>SO11-012-P</b>	Temperature: <b>-54°C</b>
Model No: <b>ERDLVA-218-CW-LPD</b>	Date: <b>June 30 2011</b>
Serial No: <b>TEST UNIT</b>	

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	MEASURED DATA	QA
1	Frequency Range:	2 GHz – 18 GHz	2 GHz – 18 GHz	
2	CW Level Range:	TSS to -40 dBm:	> -40 dBm	
3	Input Power:	30 dBm CW, 50 dBm Peak Pulse 1% Duty cycle (10us)	Pass By Design	
4	Flatness:	± 2.0 dB Max.	± 1.61 dB See Plots (Worst Case)	Test over Temperature
5	Propagation Delay	30nSec	28 nSec	
6	Log Linearity	± 1.75 dB Max.	± 0.90 dB See Plots	Test over Temperature
7	Logging Range:	-60 to +4 dBm	-60 to +4 dBm	
8	Log Slope	77mV/dB (±5)	72.3mV/dB @ 10 GHz	Test over Temperature
9	VSWR:	2.0:1 Max.	1.85:1	
10	Maximum Noise	100mV RMS	26.8mV RMS	
11	Duty Cycle	80% Max PW	> 80%	
12	Droop	1dB	0.00 dB after 100uS	
13	Rejection Time	1mSec	350uSec	
14	Rise Time:	35 nSec Max.	25.5nSec	
15	Pulse Considered CW	900 μSec	300μSec	
16	Recovery Time:	500 nSec Max.	400 nSec	
17	TSS:	-64 dBm Min.	-65.5 dBm	
18	DC Supply Power:	± 10.8 to ± 12.5V Max Power 3.9W Both supplies	± 10.8V 153mA -58mA 2.28 W ± 12.5V 134mA -59mA 2.41 W	

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

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



## ERDLVA-218-CW-LPD

Customer: <u>PMI</u>	Tested By: <u>P. Kuhn</u>
Job No: <u>SO11-012-P</u>	Temperature: <u>+95°C</u>
Model No: <u>ERDLVA-218-CW-LPD</u>	Date: <u>June 30 2011</u>
Serial No: <u>TEST UNIT</u>	

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	MEASURED DATA	QA
1	Frequency Range:	2 GHz – 18 GHz	2 GHz – 18 GHz	
2	CW Level Range:	TSS to -40 dBm:	> -40 dBm	
3	Input Power:	30 dBm CW, 50 dBm Peak Pulse 1% Duty cycle (10us)	Pass By Design	
4	Flatness:	± 2.0 dB Max.	± 1.66 dB See Plots (Worst Case)	Test over Temperature
5	Propagation Delay	30nSec	28 nSec	
6	Log Linearity	± 1.75 dB Max.	± 1.00 dB See Plots	Test over Temperature
7	Logging Range:	-60 to +4 dBm	-60 to +4 dBm	
8	Log Slope	77mV/dB (±5)	73.52mV/dB @ 10 GHz	Test over Temperature
9	VSWR:	2.0:1 Max.	1.87:1	
10	Maximum Noise	100mV RMS	28.01mV RMS	
11	Duty Cycle	80% Max PW	> 80 %	
12	Droop	1dB	0.00 dB after 100uS	
13	Rejection Time	1mSec	350uSec	
14	Rise Time:	35 nSec Max.	22.5nSec	
15	Pulse Considered CW	900 μSec	250μSec	
16	Recovery Time:	500 nSec Max.	400 nSec	
17	TSS:	-64 dBm Min.	-65 dBm	
18	DC Supply Power:	± 10.8 to ± 12.5V Max Power 3.9W Both supplies	± 10.8V 210mA -75mA 3.08 W ± 12.5V 183mA -75mA 3.23 W	

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



## VSWR

**5 dBm @ +25°C**

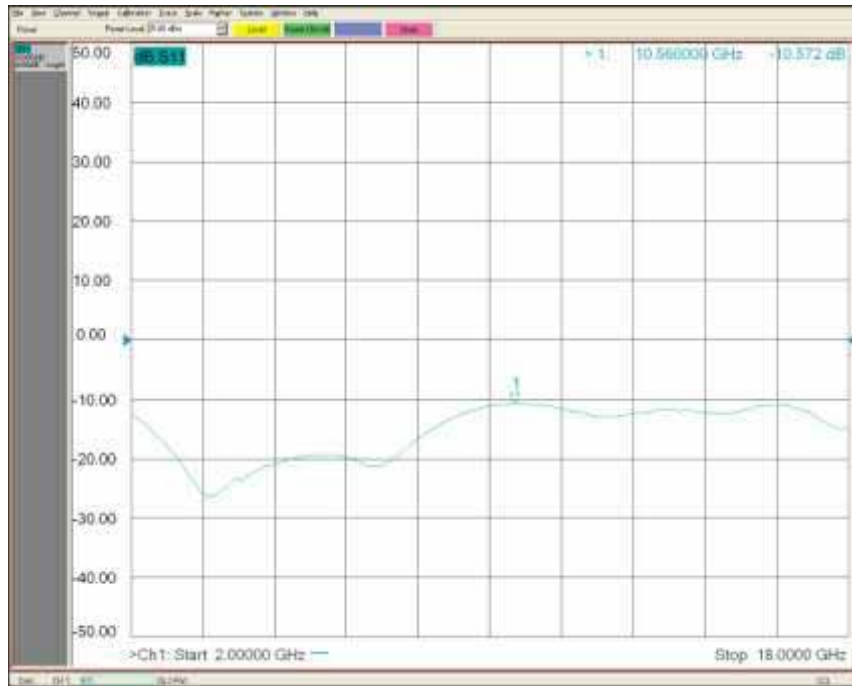


**-20 dBm @ +25°C**





**5 dBm @ -54°C**



**-20 dBm @ -54°C**

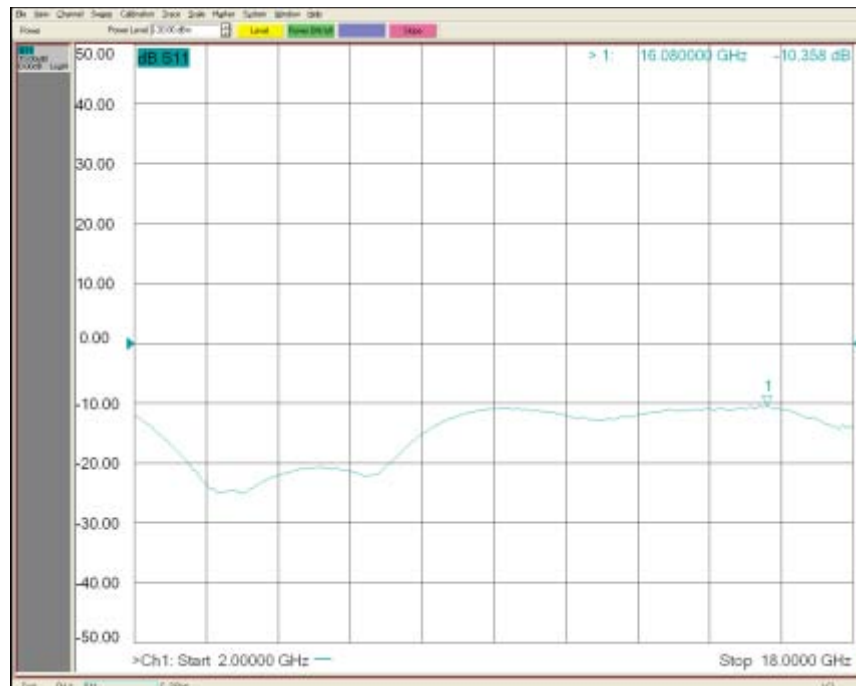




**5 dBm @ +95°C**



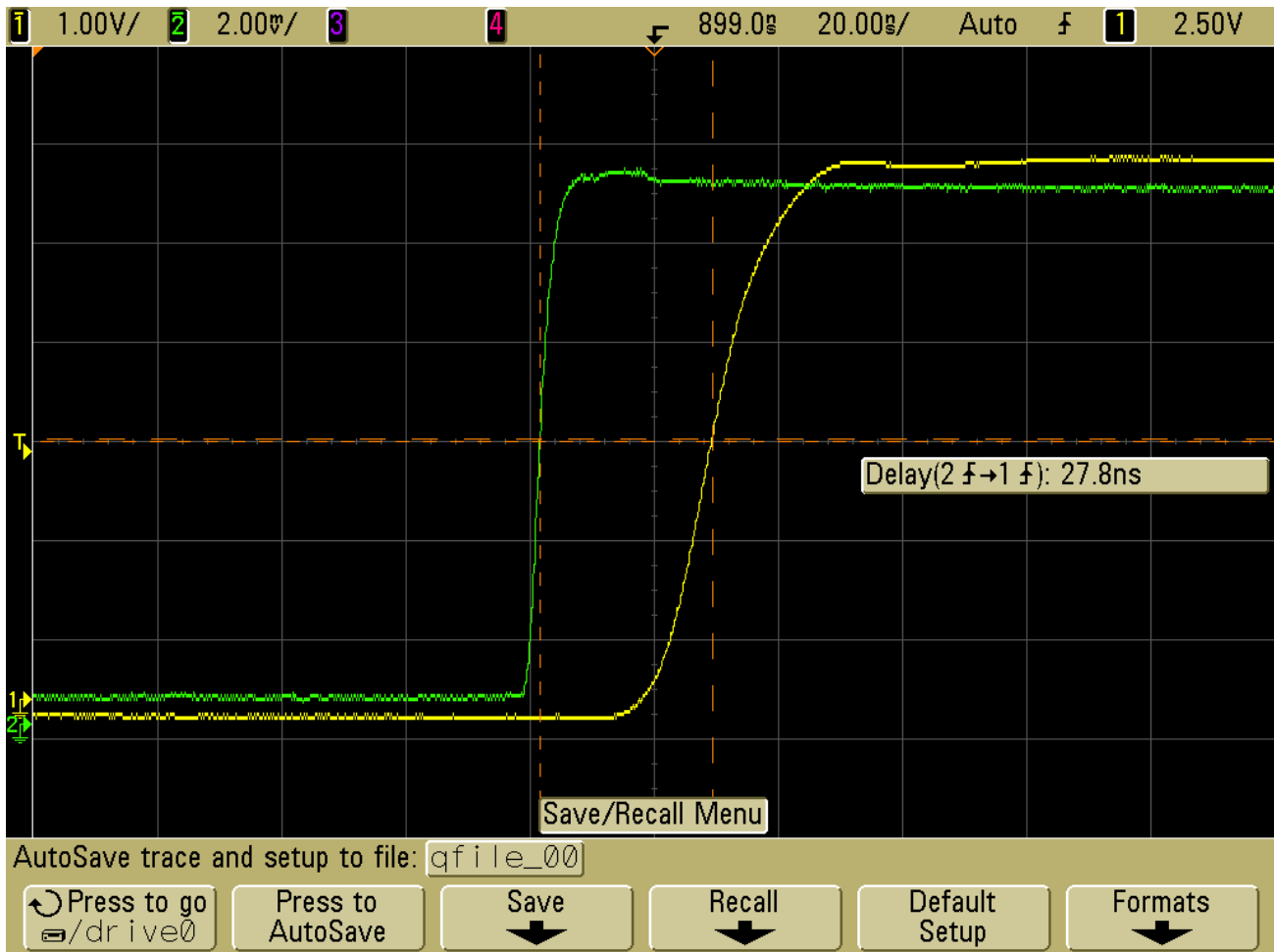
**-20 dBm @ +95°C**





## PROPAGATION DELAY

10.0 GHz



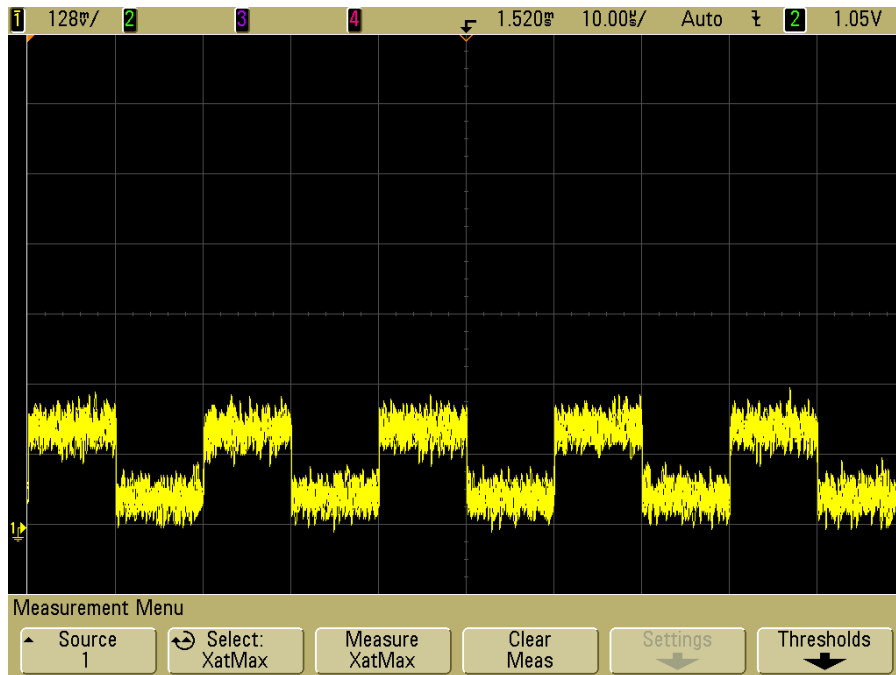
**Green Trace: Crystal detector**  
**Yellow Trace: ERDLVA Video Output**



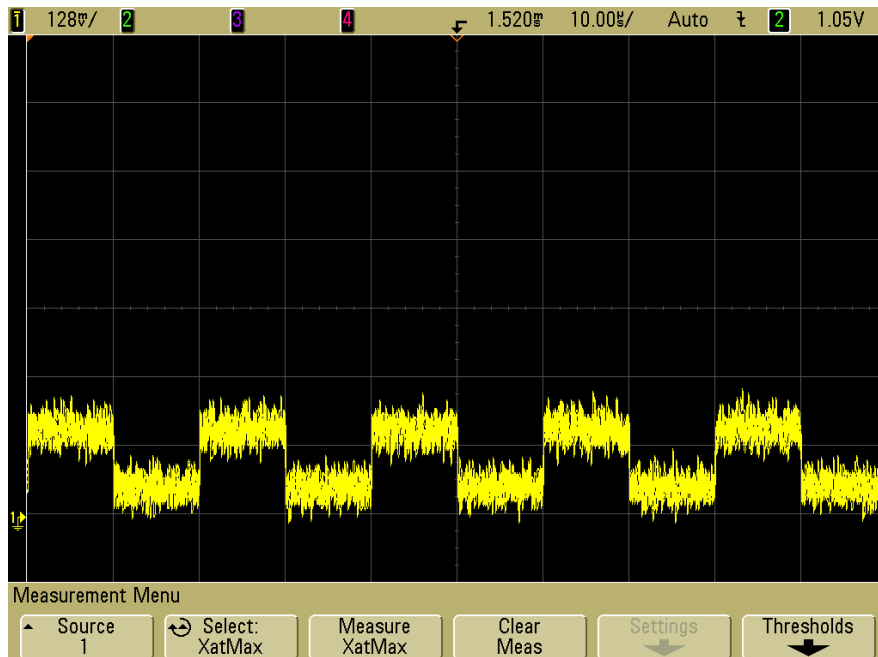


## TANGENTAIL SIGNAL SENSITIVITY (TSS) -64 dBm

**2.0 GHz 99.1Ω Load @ +25°C**

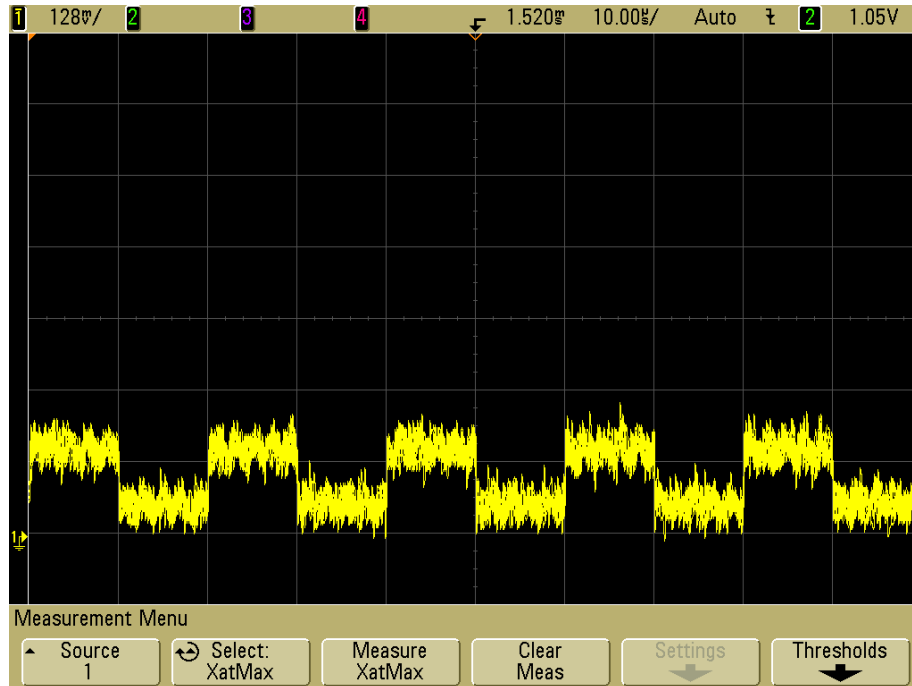


**4.0 GHz 99.1Ω Load @ +25°C**

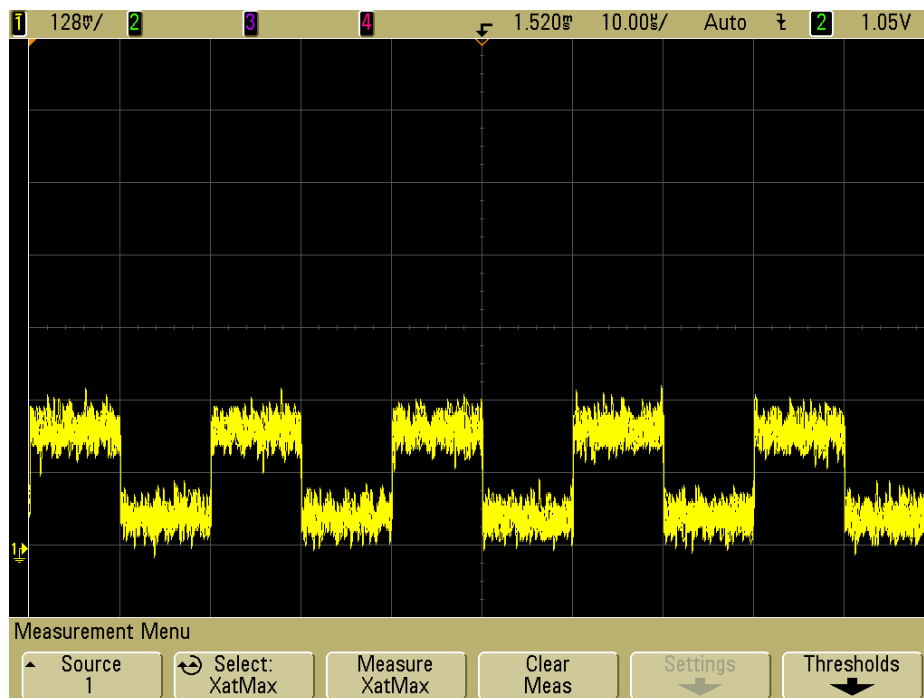




### 5.0 GHz 99.1Ω Load @ +25°C

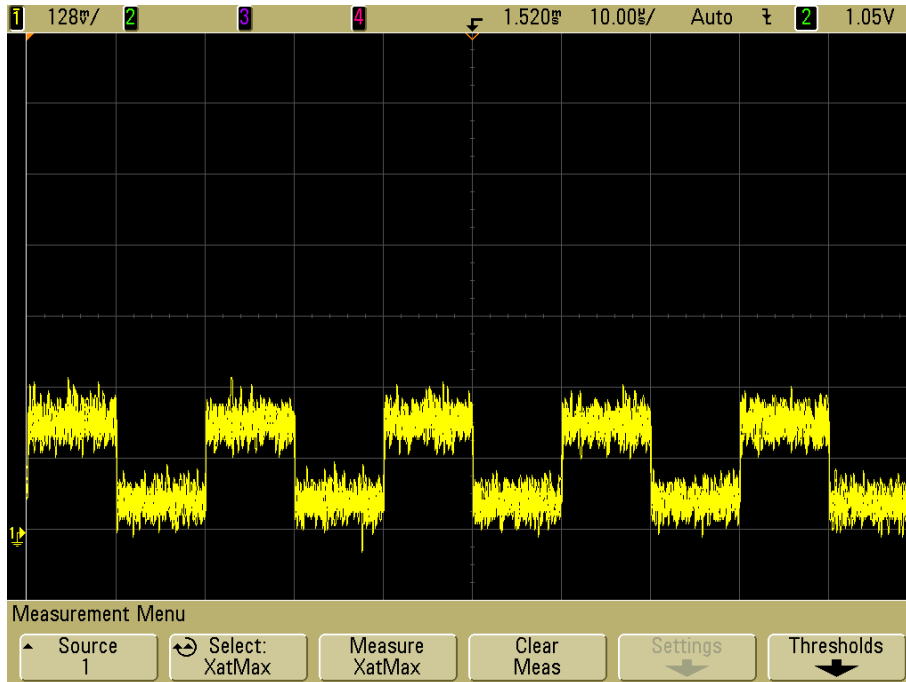


### 8.0 GHz 99.1Ω Load @ +25°C

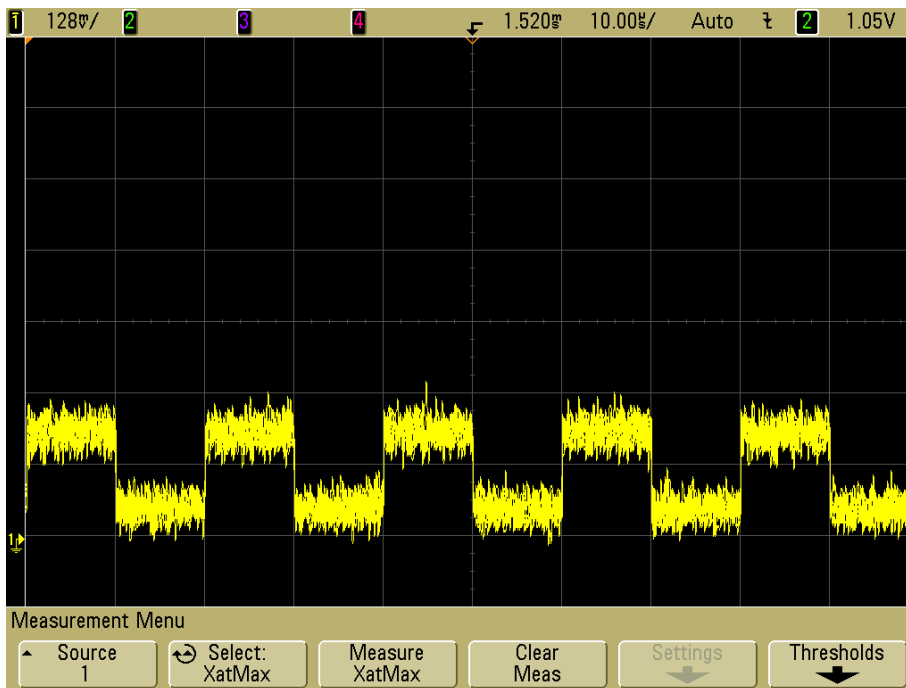




### 10.0 GHz 99.1Ω Load @ +25°C

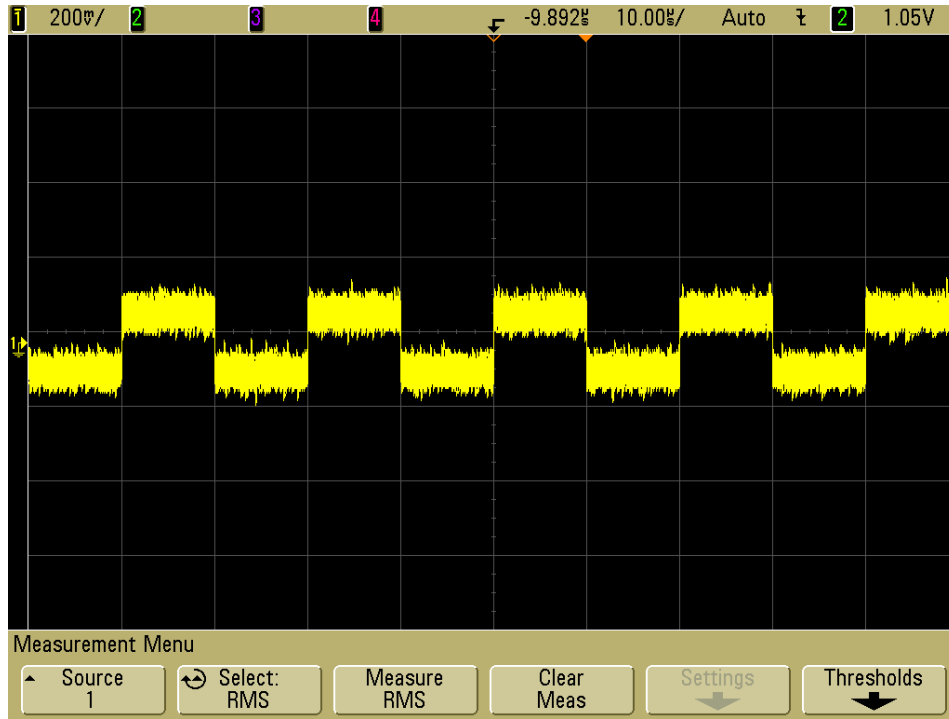


### 18.0 GHz 99.1Ω Load @ +25°C

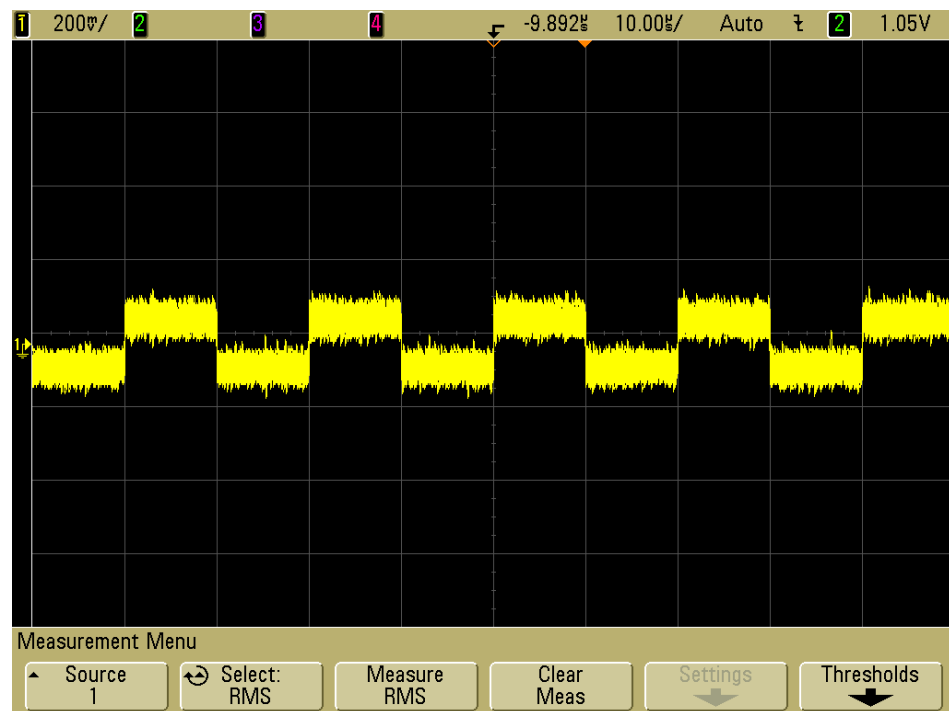




### 2.0 GHz 99.1Ω Load @ -54°C

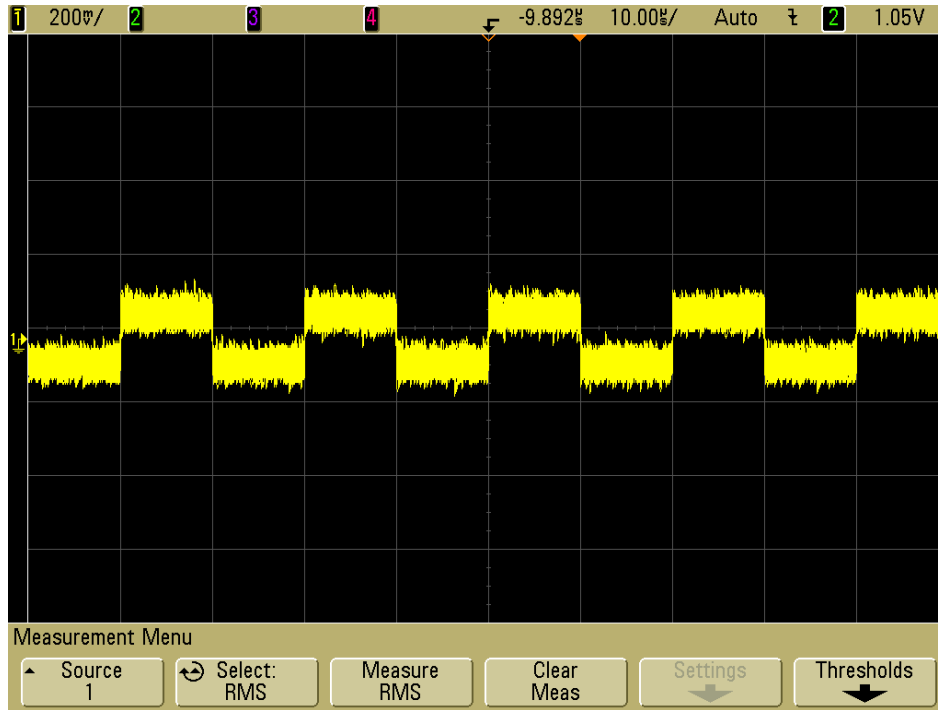


### 4.0 GHz 99.1Ω Load @ -54°C

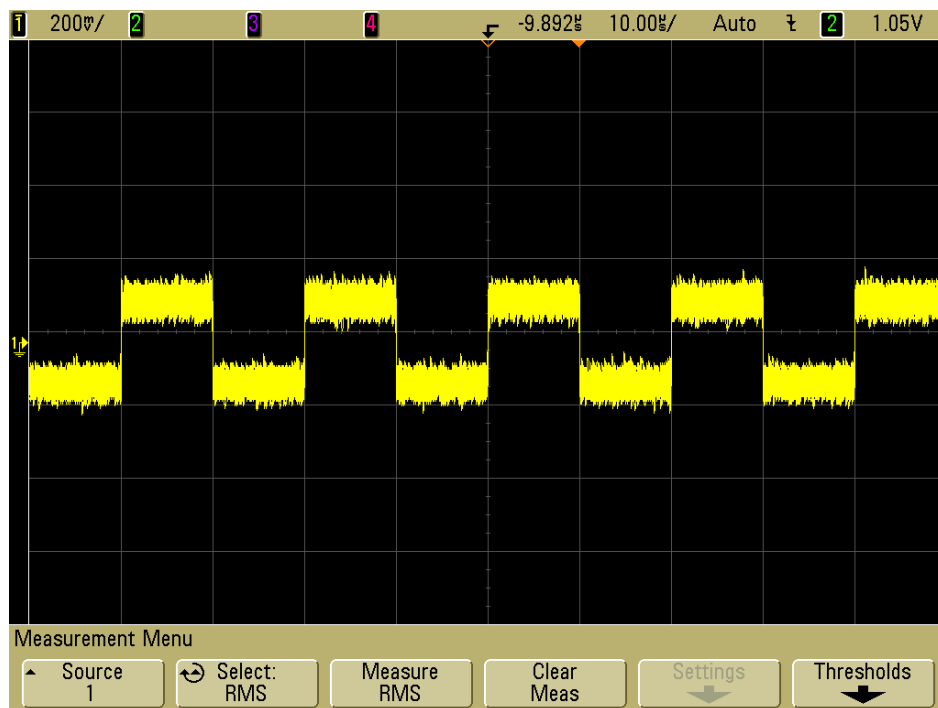




### 5.0 GHz 99.1Ω Load @ -54°C

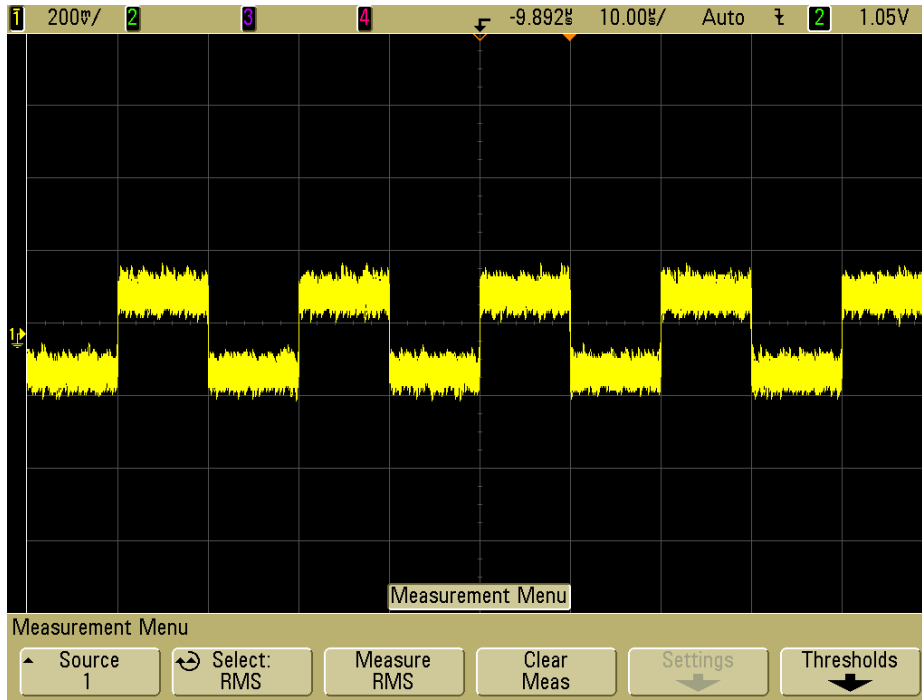


### 8.0 GHz 99.1Ω Load @ -54°C

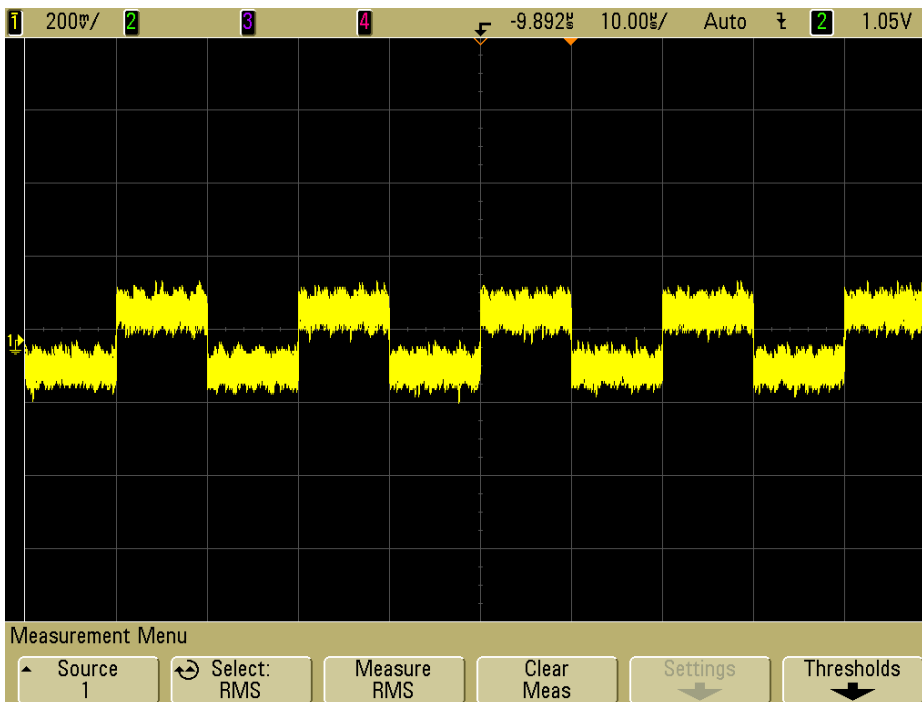




### 10.0 GHz 99.1Ω Load @ -54°C

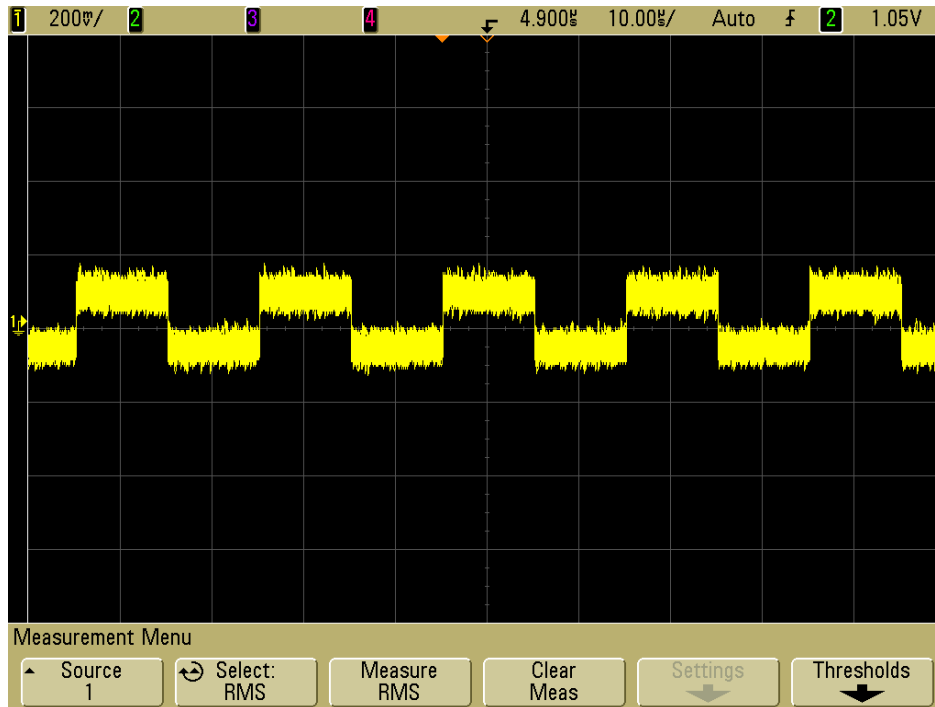


### 18.0 GHz 99.1Ω Load @ -54°C

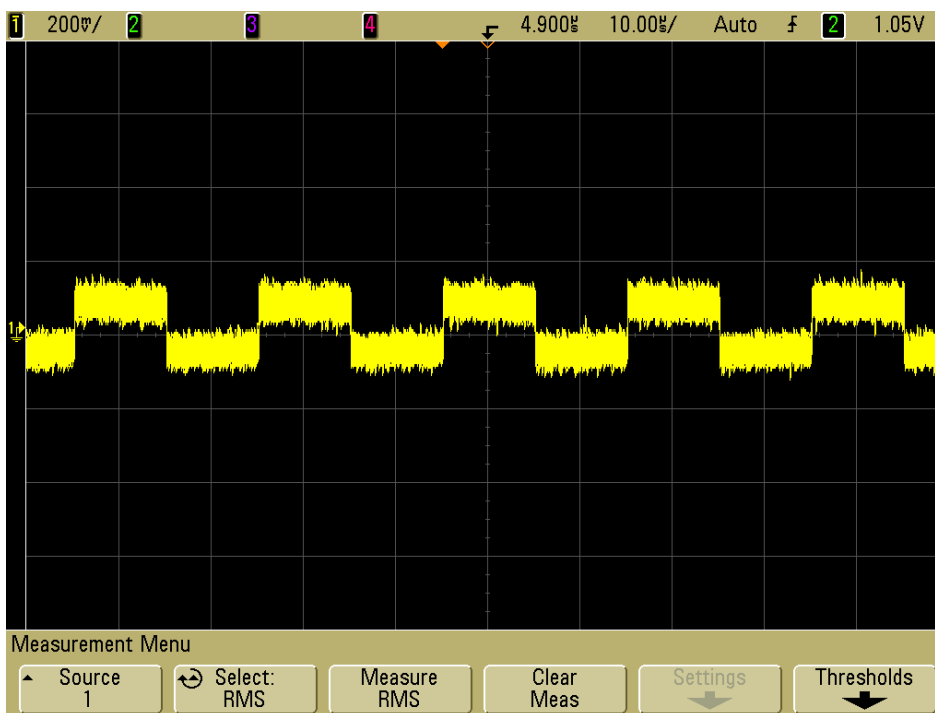




### 2.0 GHz 99.1Ω Load @ +95°C

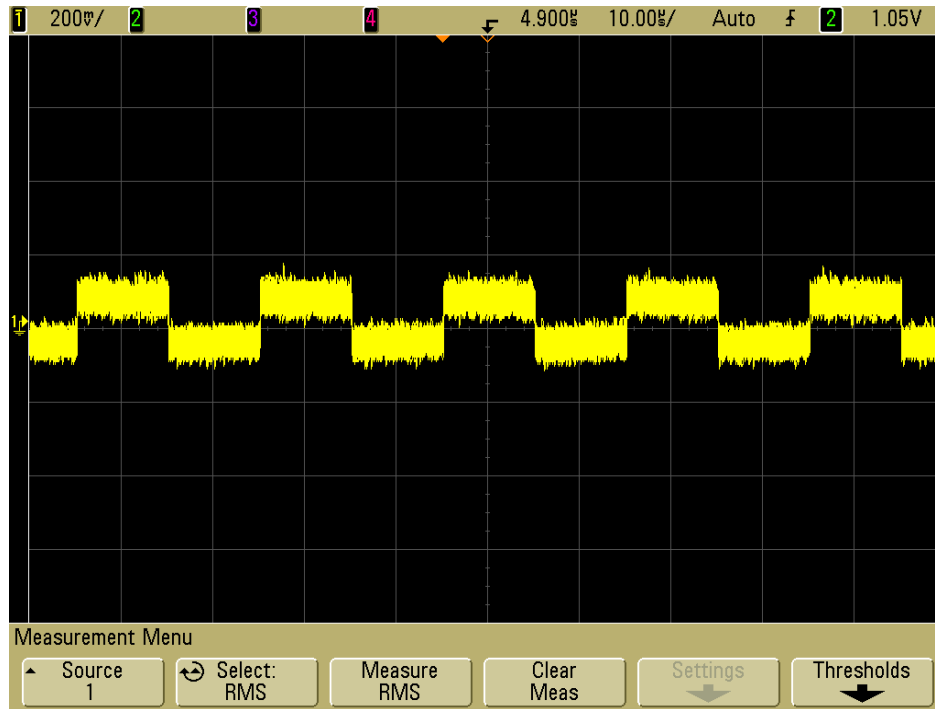


### 4.0 GHz 99.1Ω Load @ +95°C

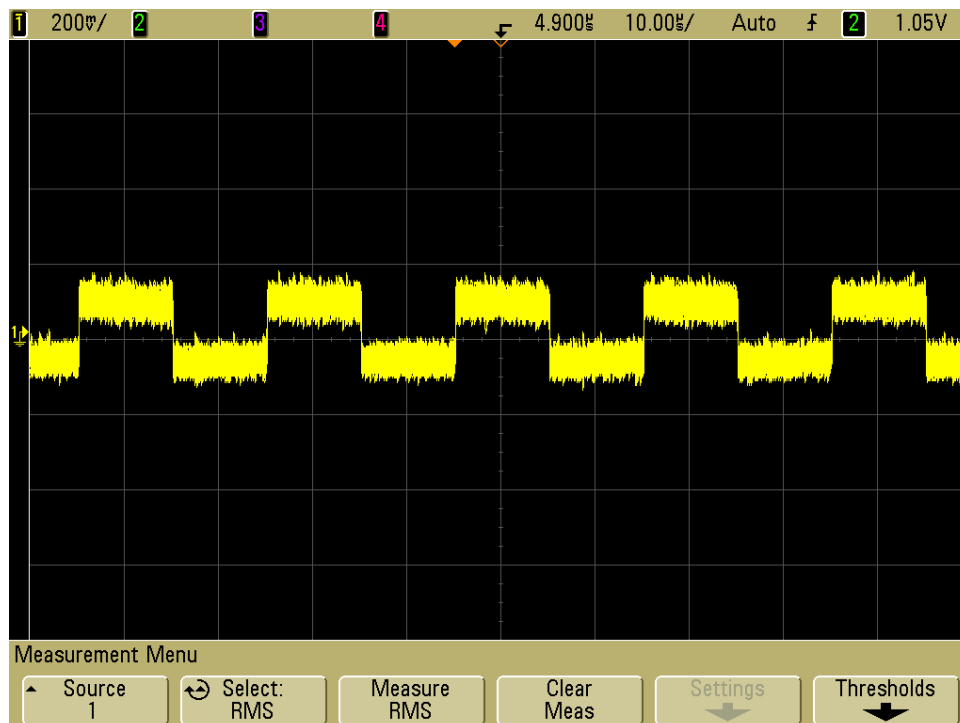




### 5.0 GHz 99.1Ω Load @ +95°C



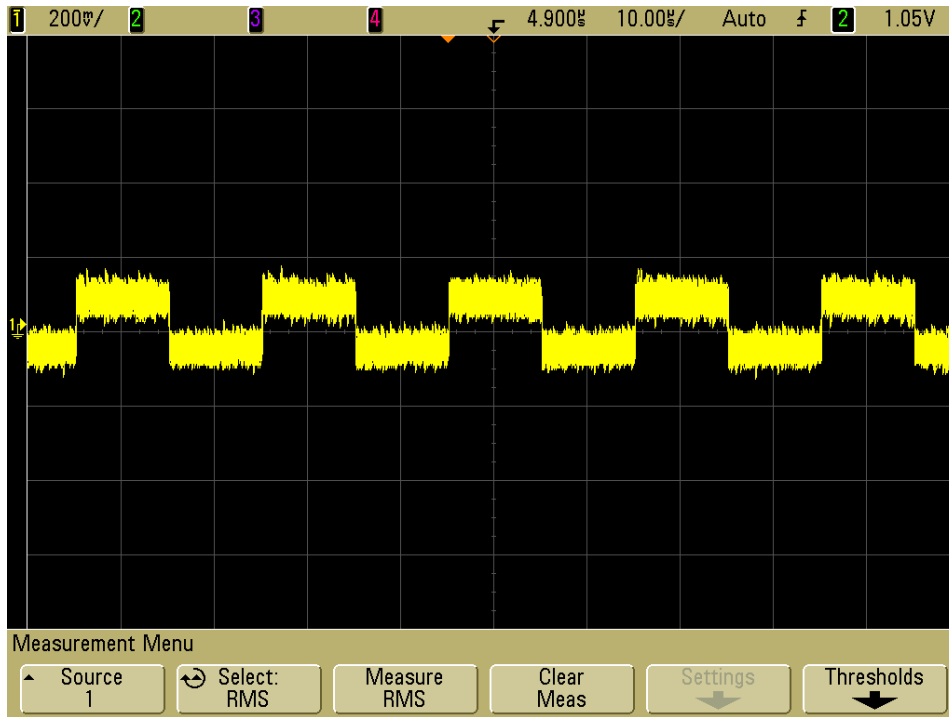
### 8.0 GHz 99.1Ω Load @ +95°C



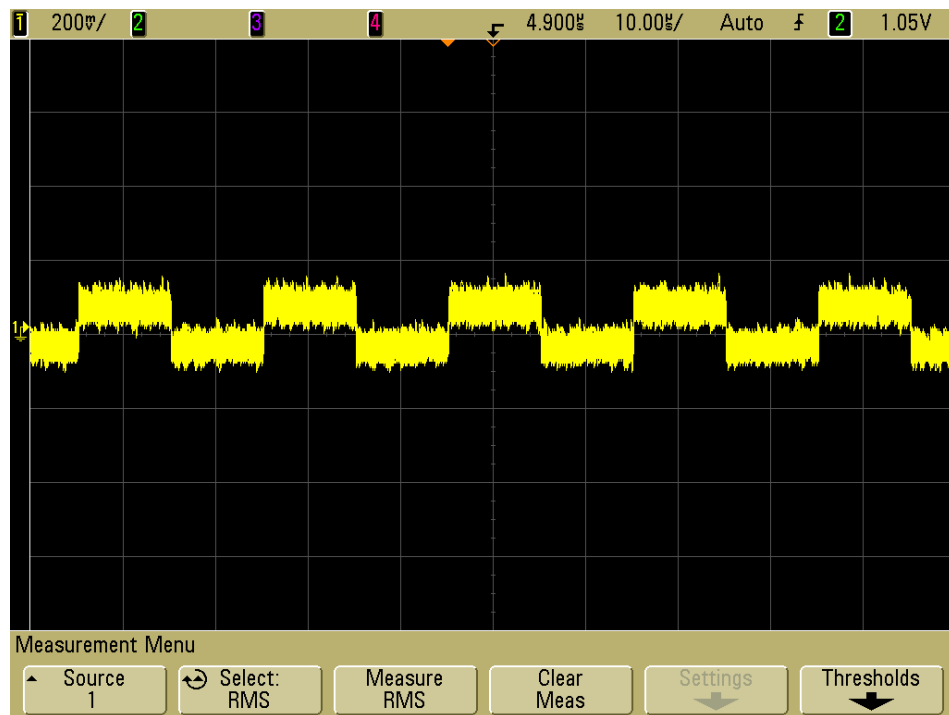




### 10.0 GHz 99.1Ω Load @ +95°C



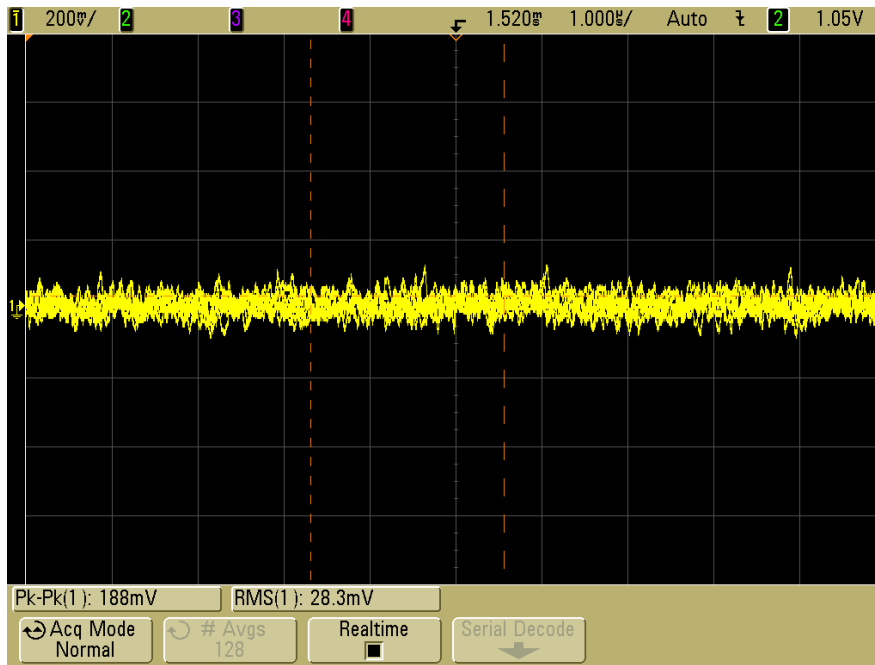
### 18.0 GHz 99.1Ω Load @ +95°C



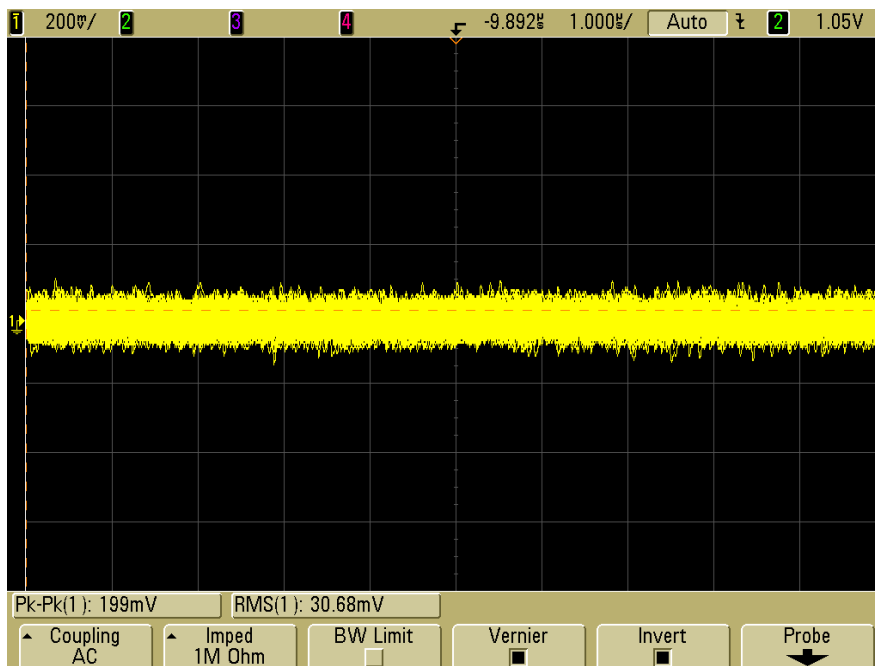


## MAXIMUM NOISE

Peak to Peak and RMS 99.1Ω Load @ +25°C

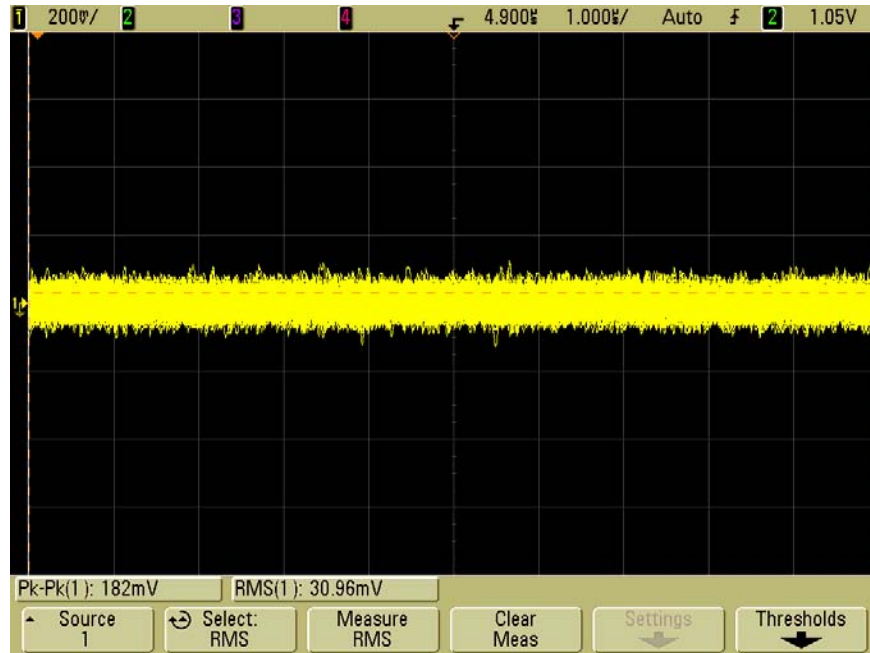


Peak to Peak and RMS 99.1Ω Load @ -54°C



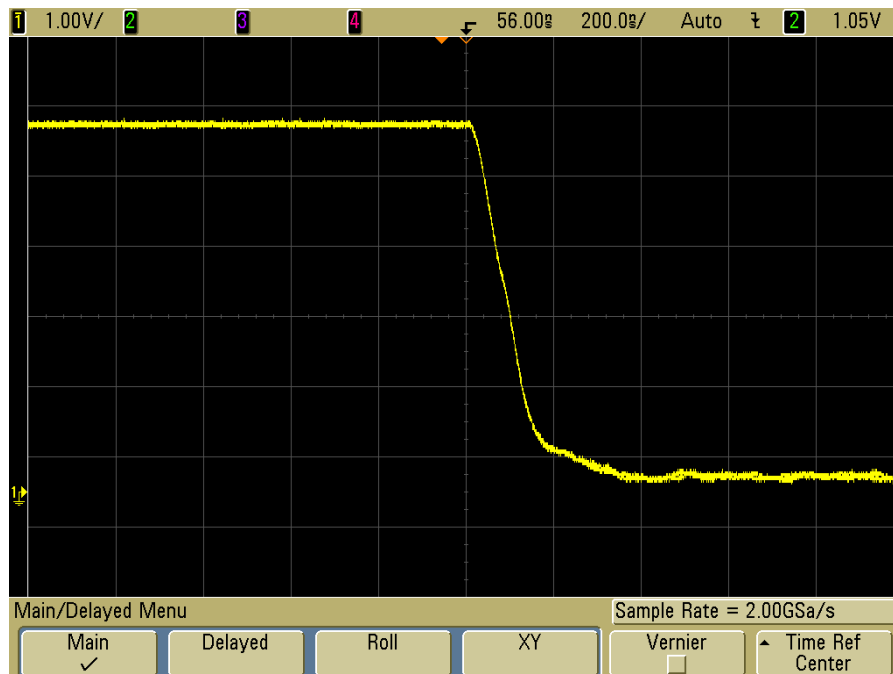


## Peak to Peak and RMS 99.1Ω Load @ +95°C



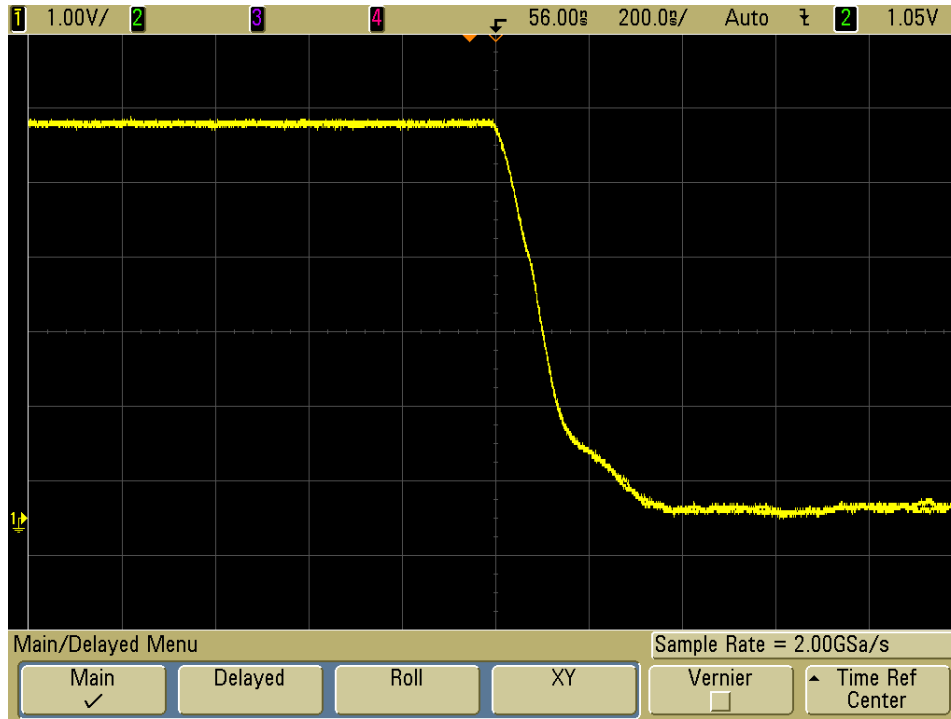
## RECOVERY TIME

### 2.0 GHz 99.1Ω Load @ +25°C

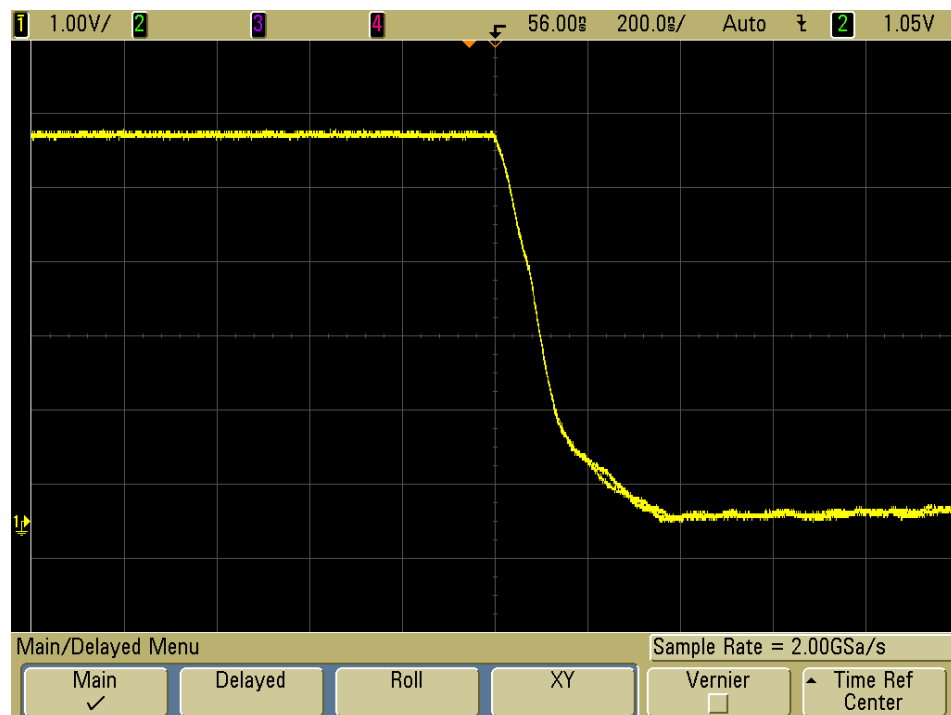




### 4.0 GHz 99.1Ω Load @ +25°C

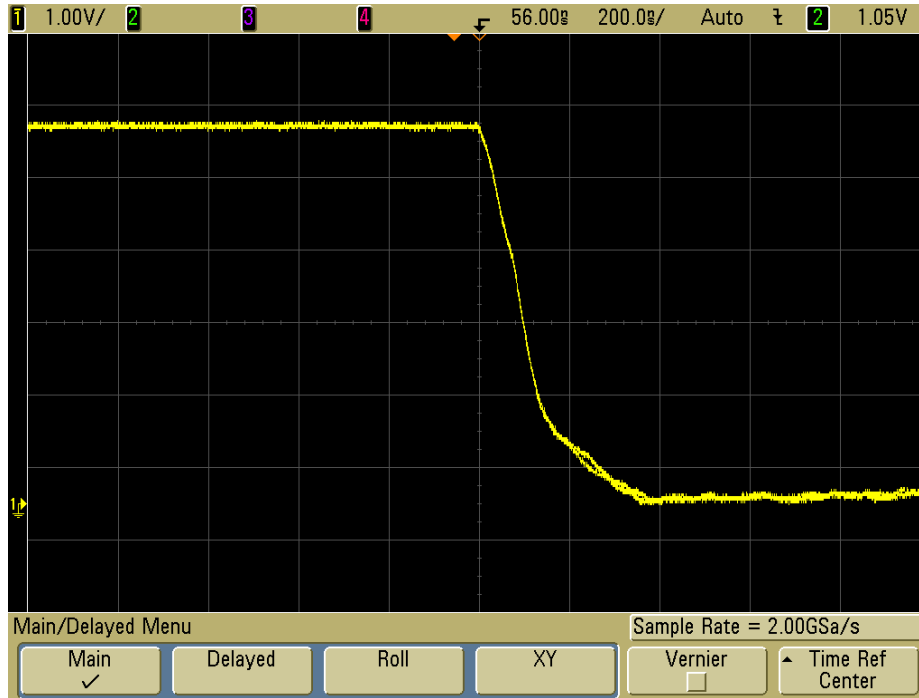


### 5.0 GHz 99.1Ω Load @ +25°C

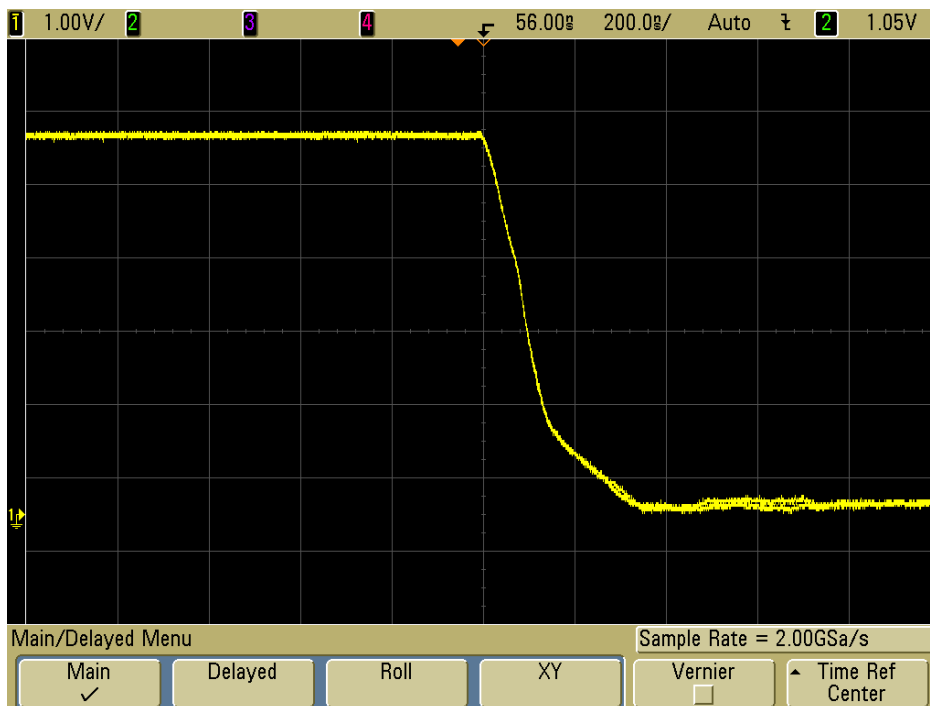




### 6.0 GHz 99.1Ω Load @ +25°C

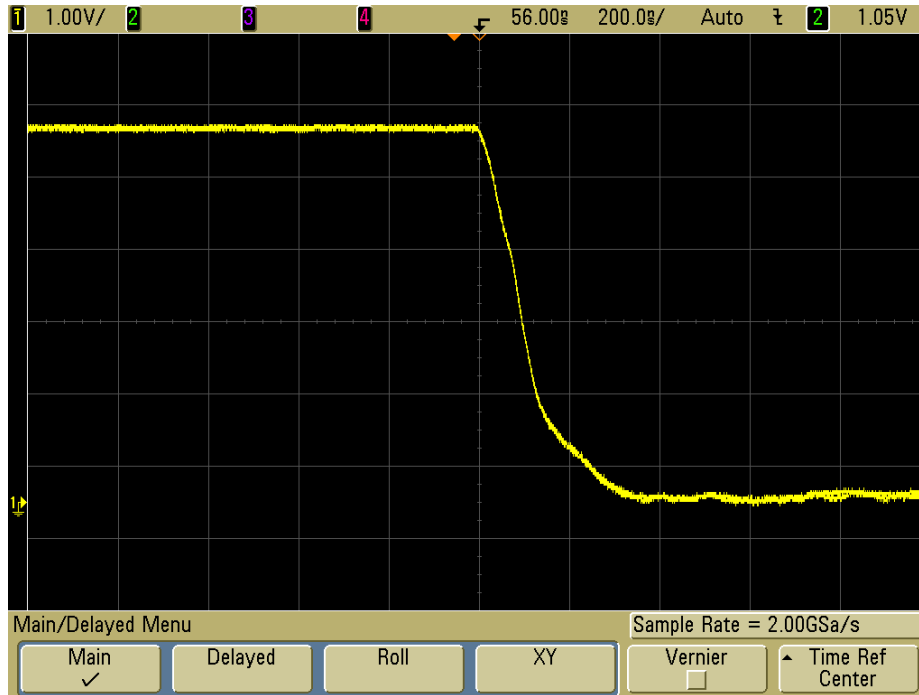


### 8.0 GHz 99.1Ω Load @ +25°C

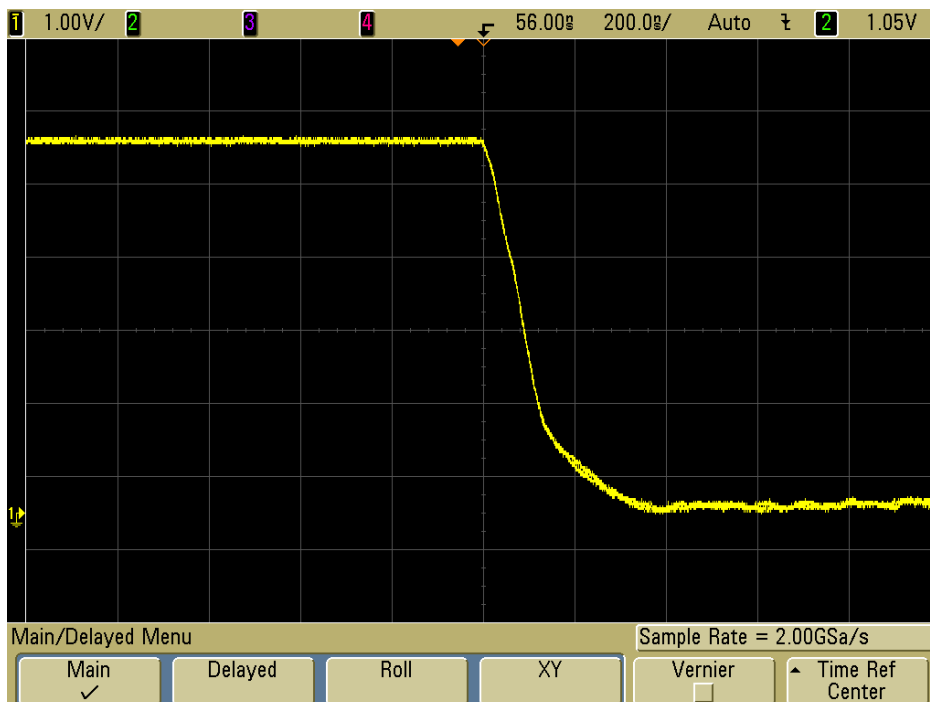




### 10.0 GHz 99.1Ω Load @ +25°C

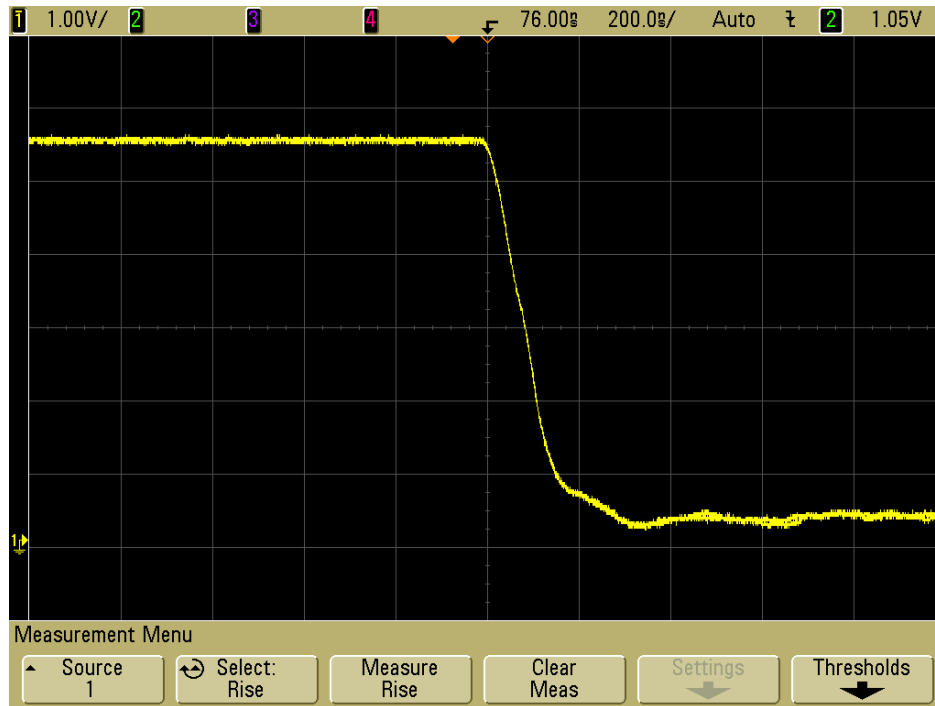


### 18.0 GHz 99.1Ω Load @ +25°C

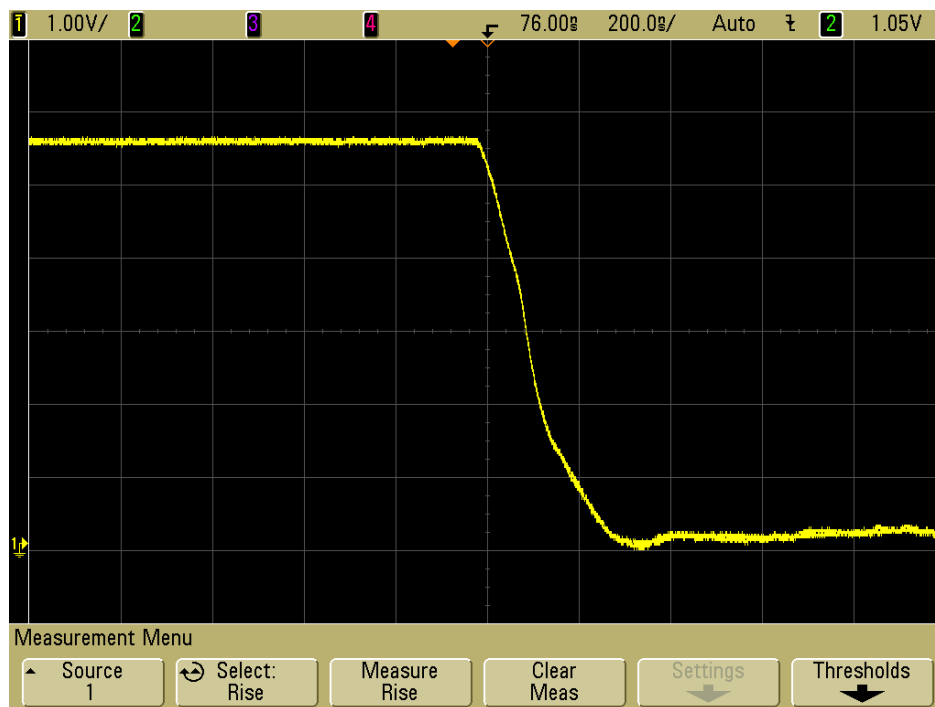




### 2.0 GHz 99.1Ω Load @ -54°C

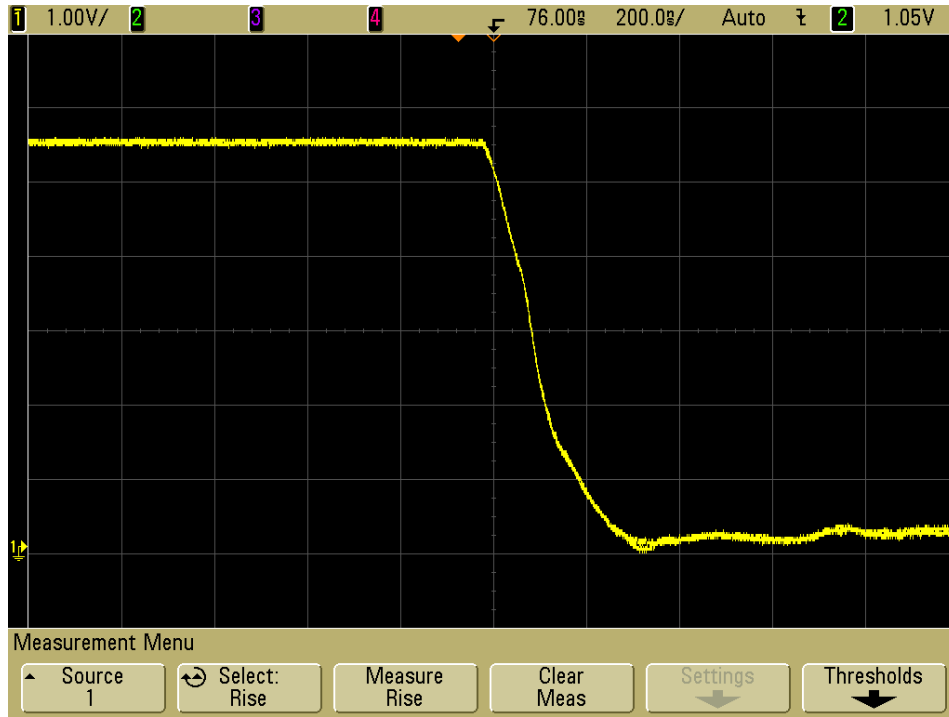


### 4.0 GHz 99.1Ω Load @ -54°C

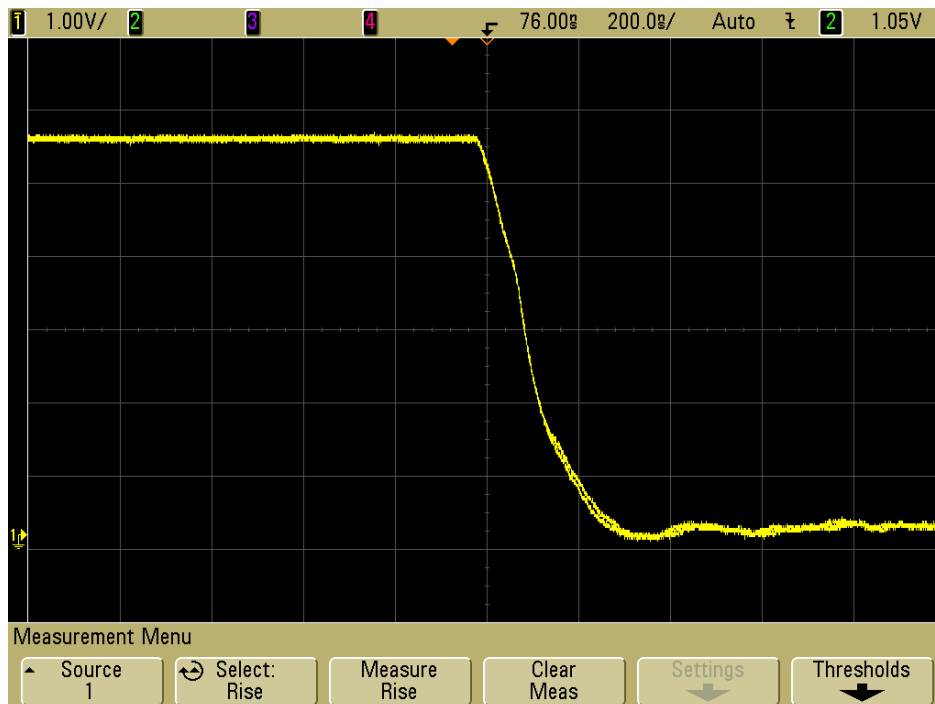




### 5.0 GHz 99.1Ω Load @ -54°C



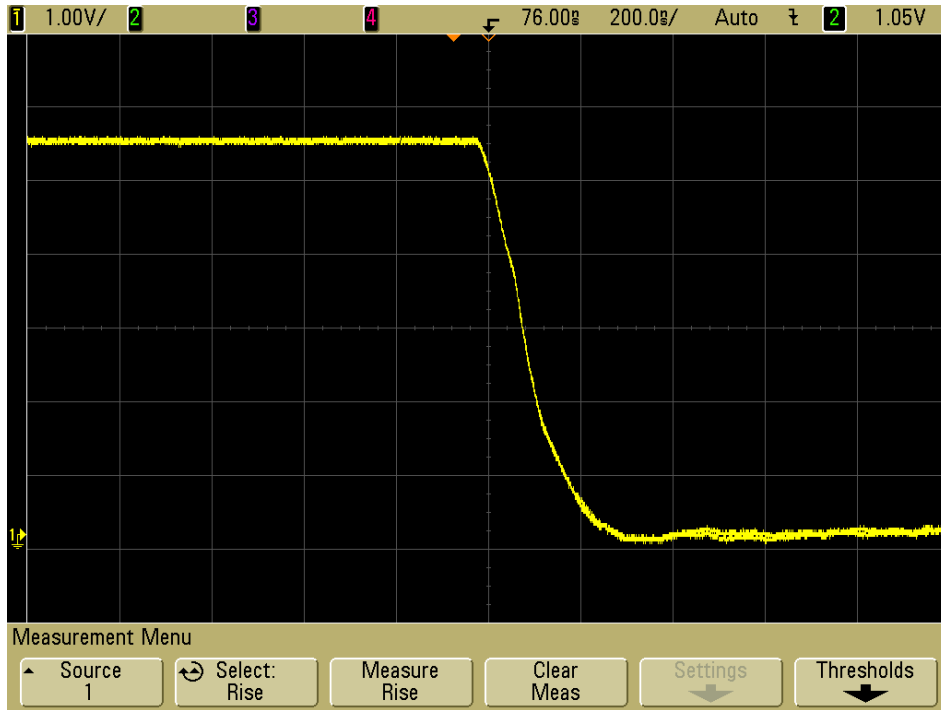
### 6.0 GHz 99.1Ω Load @ -54°C



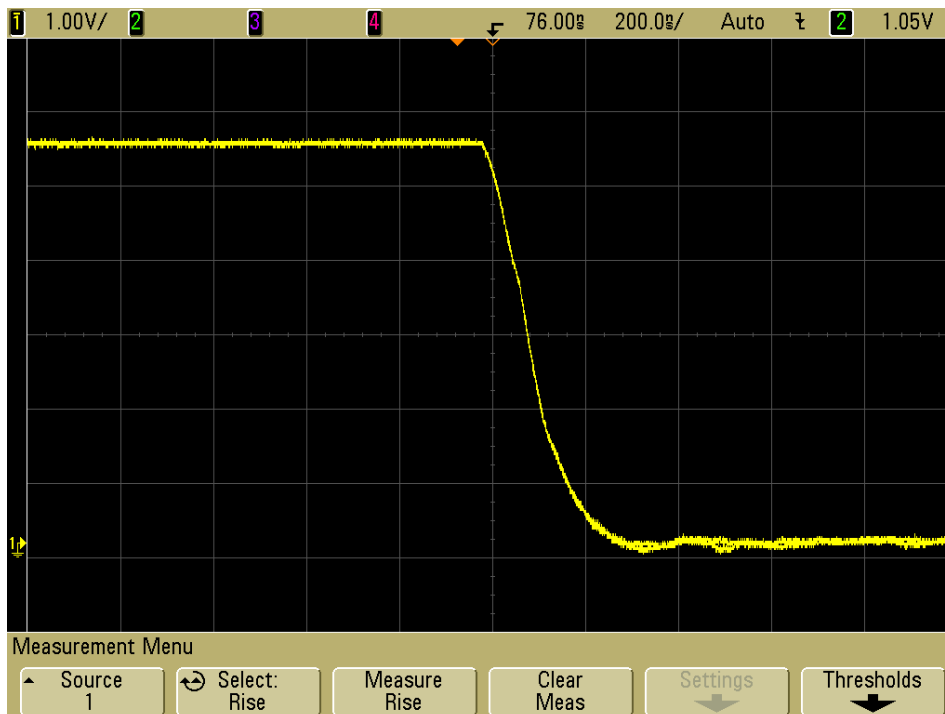




### 8.0 GHz 99.1Ω Load @ -54°C

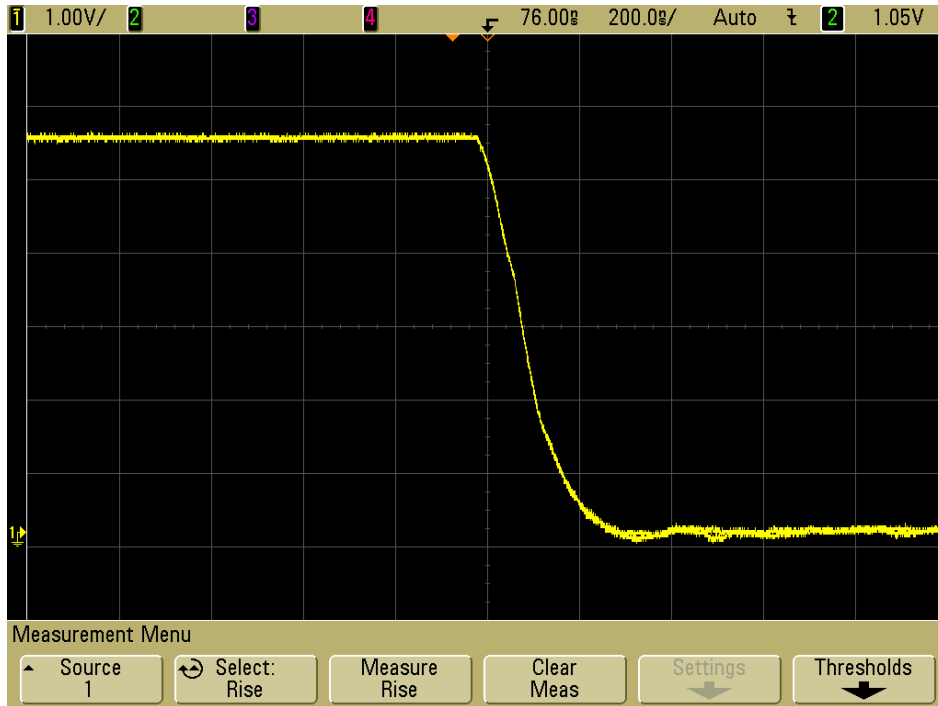


### 10.0 GHz 99.1Ω Load @ -54°C

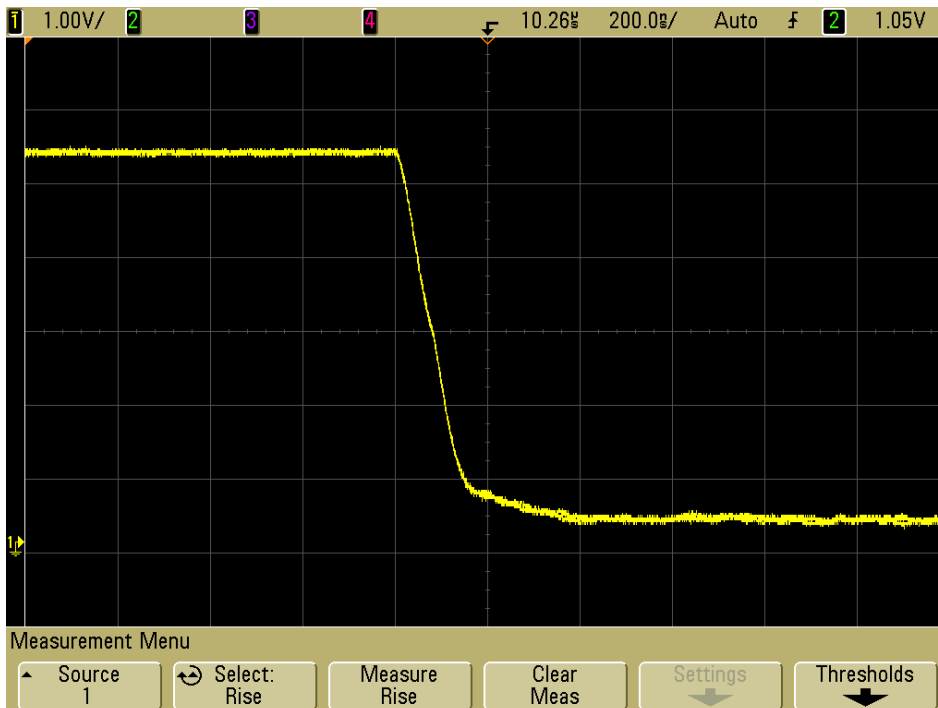




### 18.0 GHz 99.1Ω Load @ -54°C

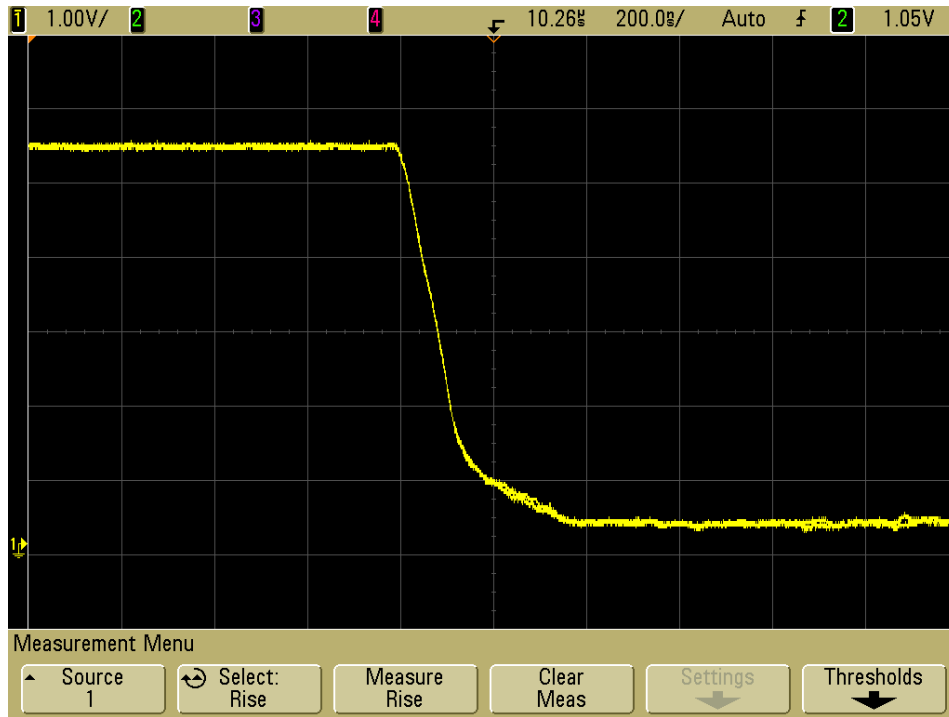


### 2.0 GHz 99.1Ω Load @ +95°C

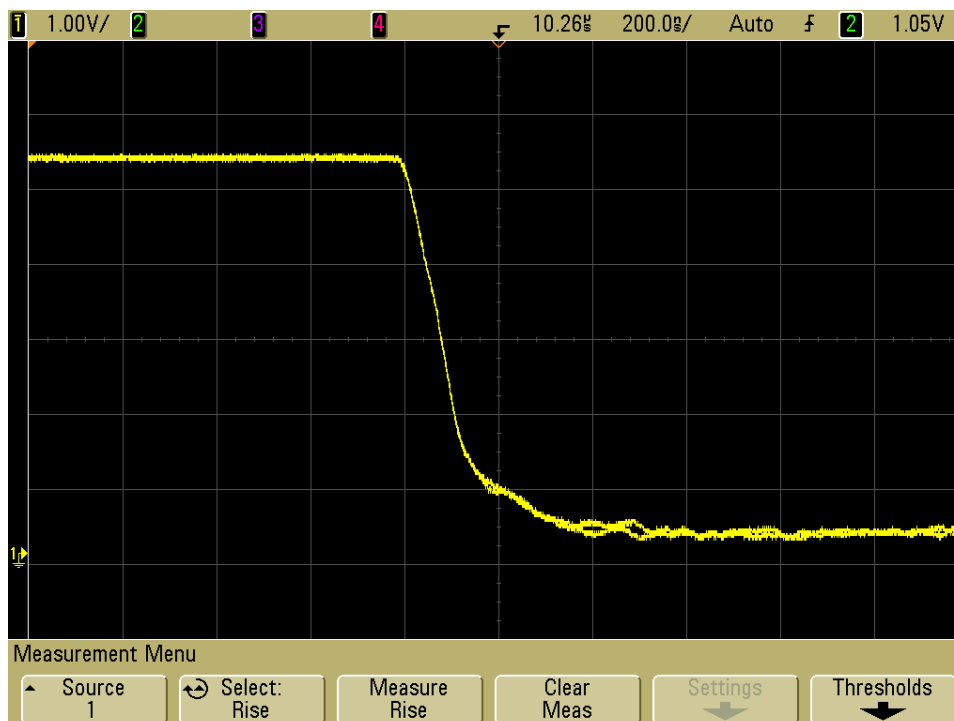




### 4.0 GHz 99.1Ω Load @ +95°C

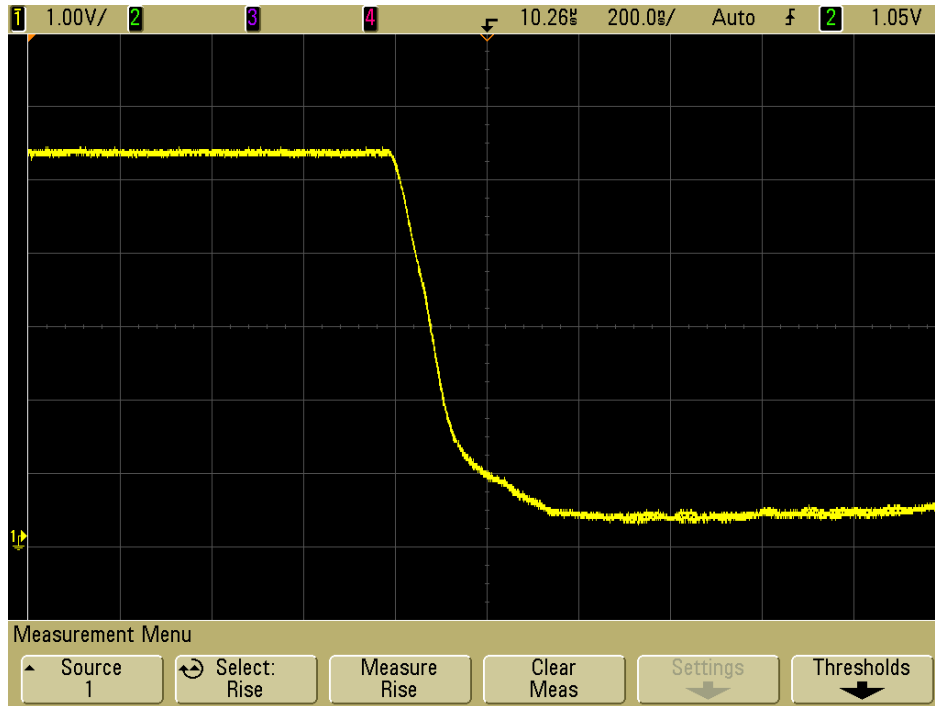


### 5.0 GHz 99.1Ω Load @ +95°C

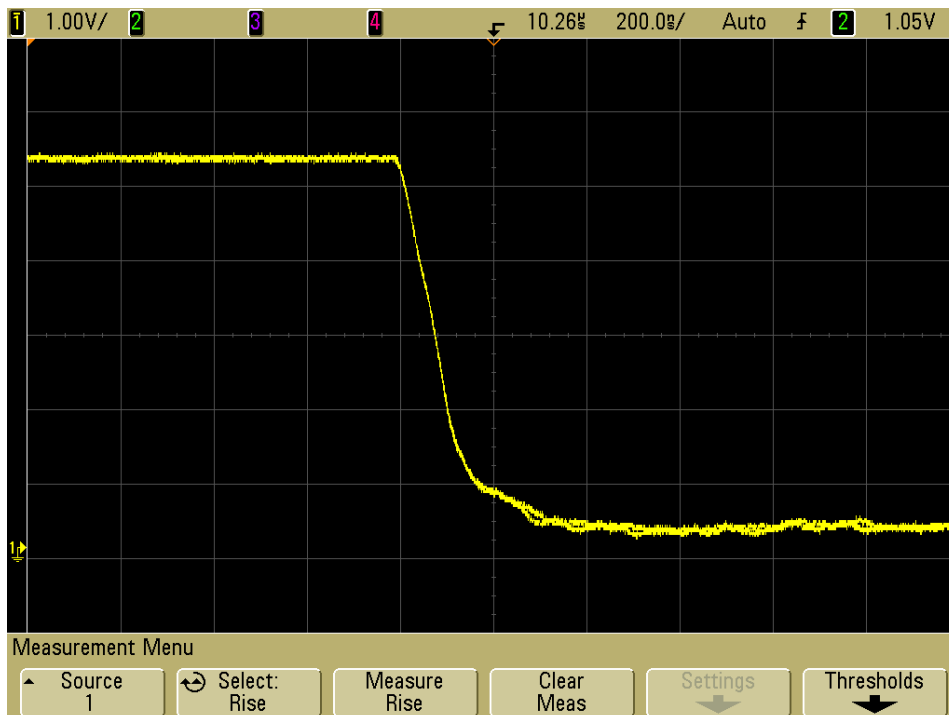




### 6.0 GHz 99.1Ω Load @ +95°C

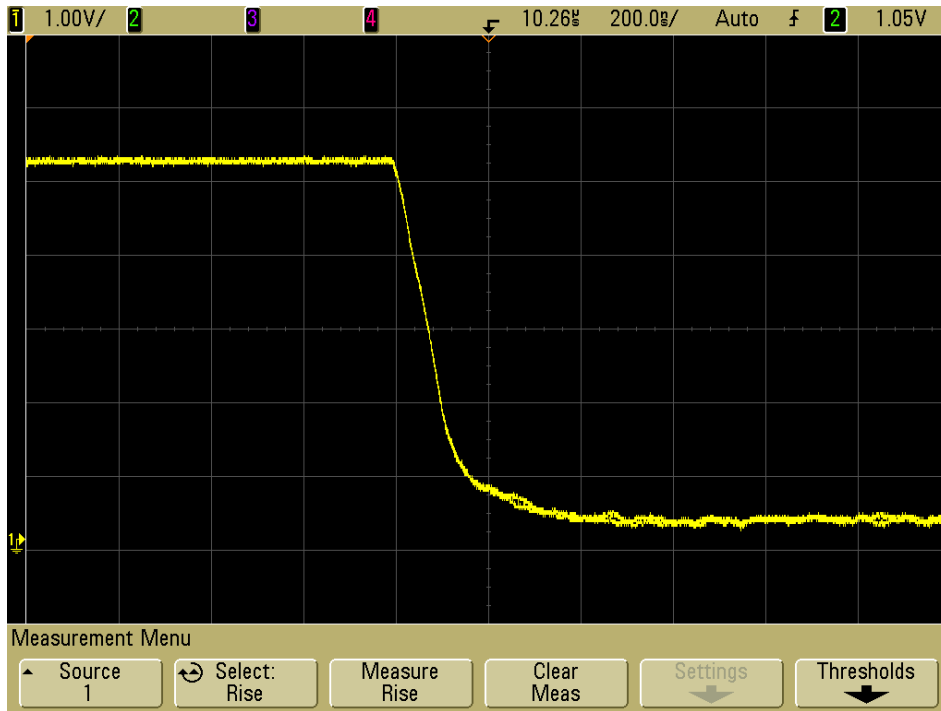


### 8.0 GHz 99.1Ω Load @ +95°C

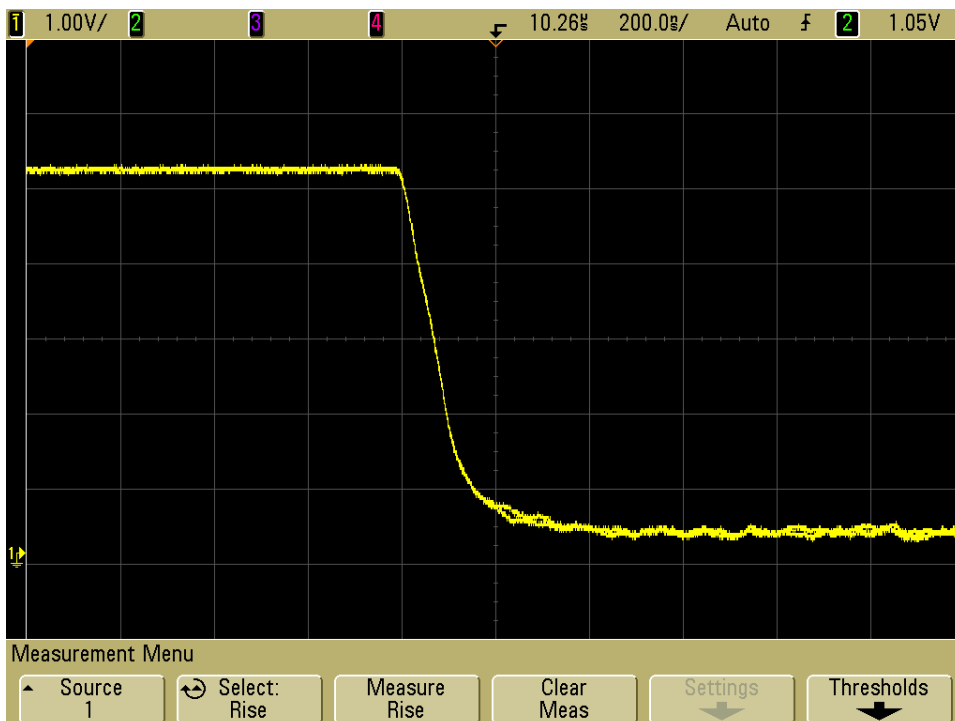




### 10.0 GHz 99.1Ω Load @ +95°C



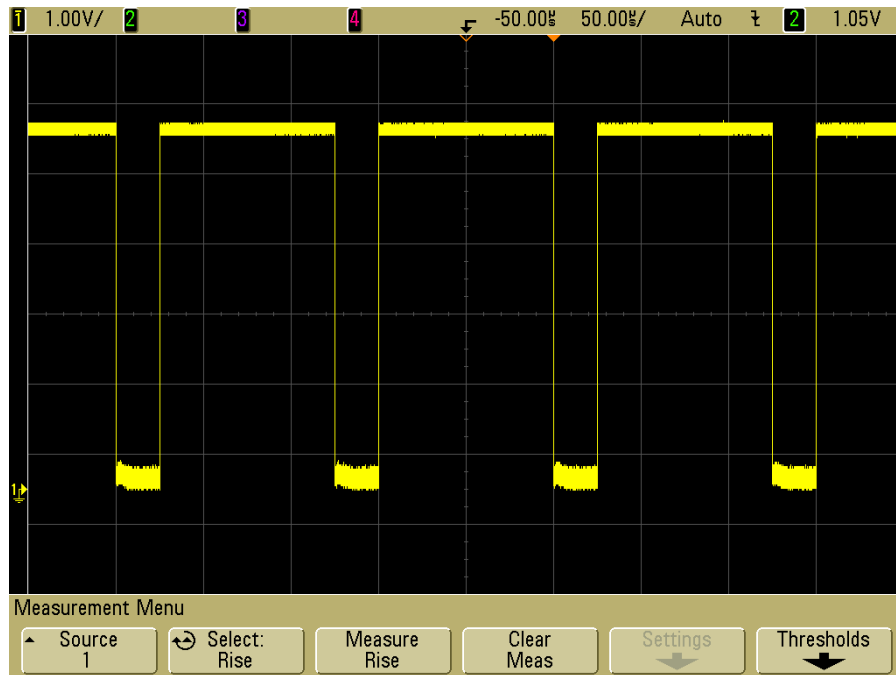
### 18.0 GHz 99.1Ω Load @ +95°C



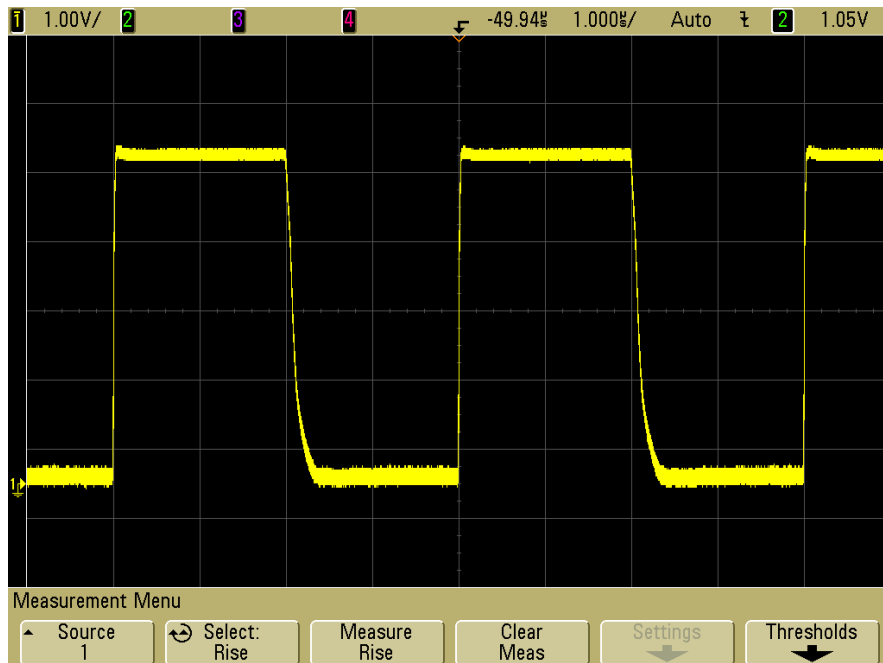


## DUTY CYCLE

**99.1Ω Load 80% Duty Cycle 100uS Pulse Width @ +25°C**

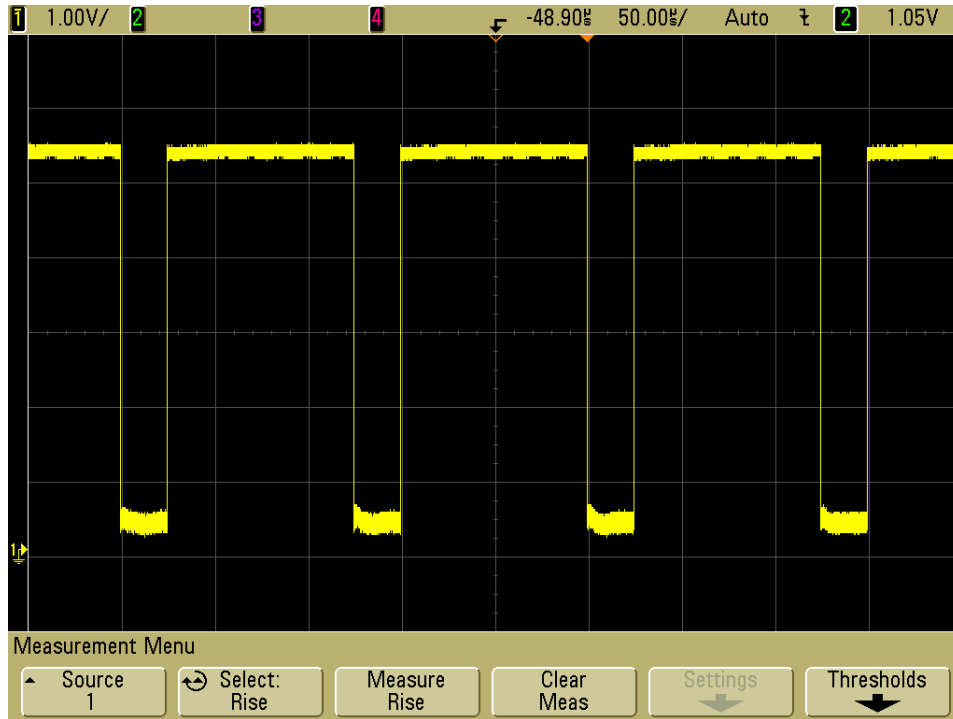


**99.1Ω Load 50% Duty Cycle 2uS Pulse Width @ +25°C**

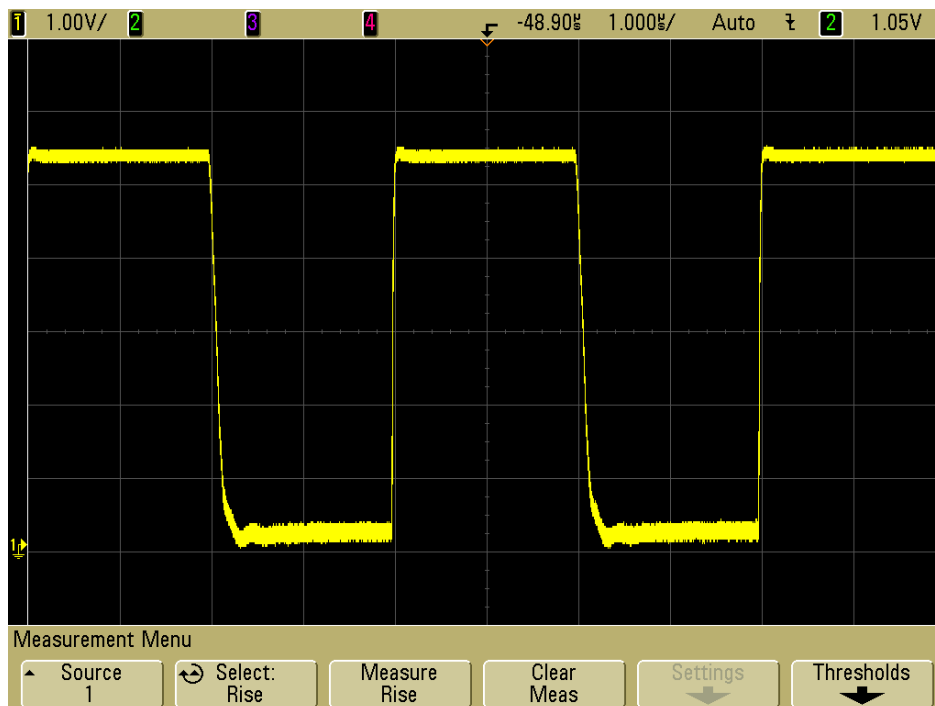




**99.1Ω Load 80% Duty Cycle 100uS Pulse Width @ -54°C**

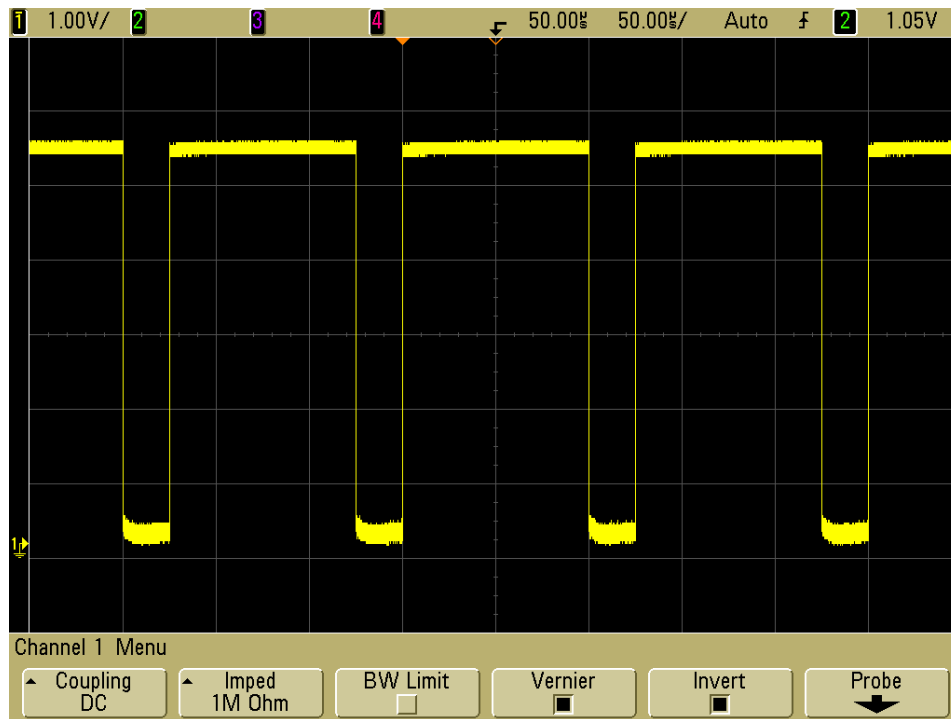


**99.1Ω Load 50% Duty Cycle 2uS Pulse Width @ -54°C**

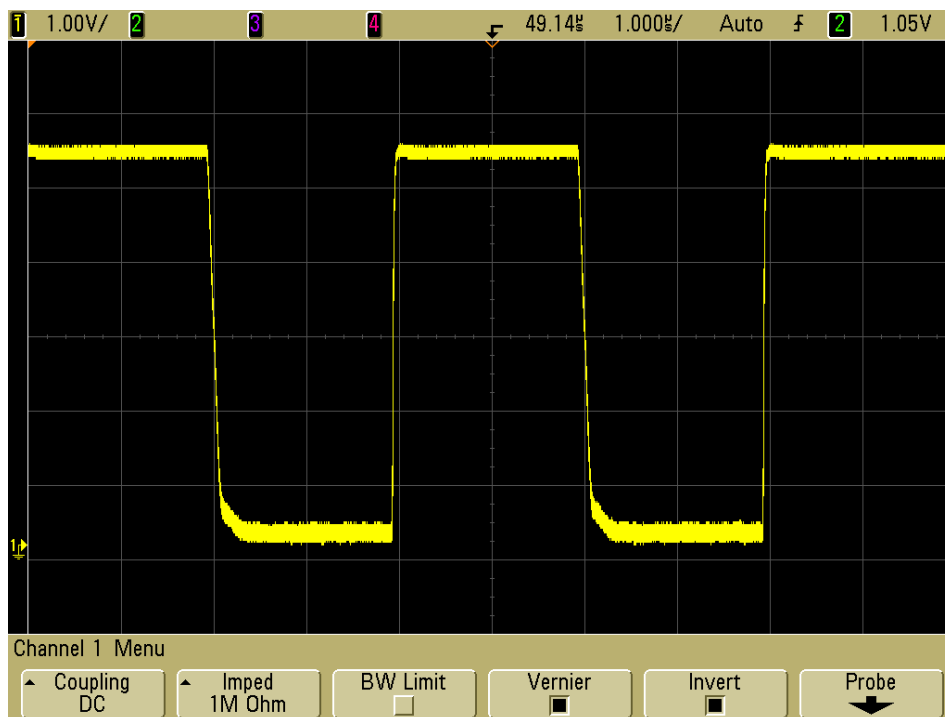




**99.1Ω Load 80% Duty Cycle 100uS Pulse Width @ +95°C**



**99.1Ω Load 50% Duty Cycle 2uS Pulse Width @ +95°C**

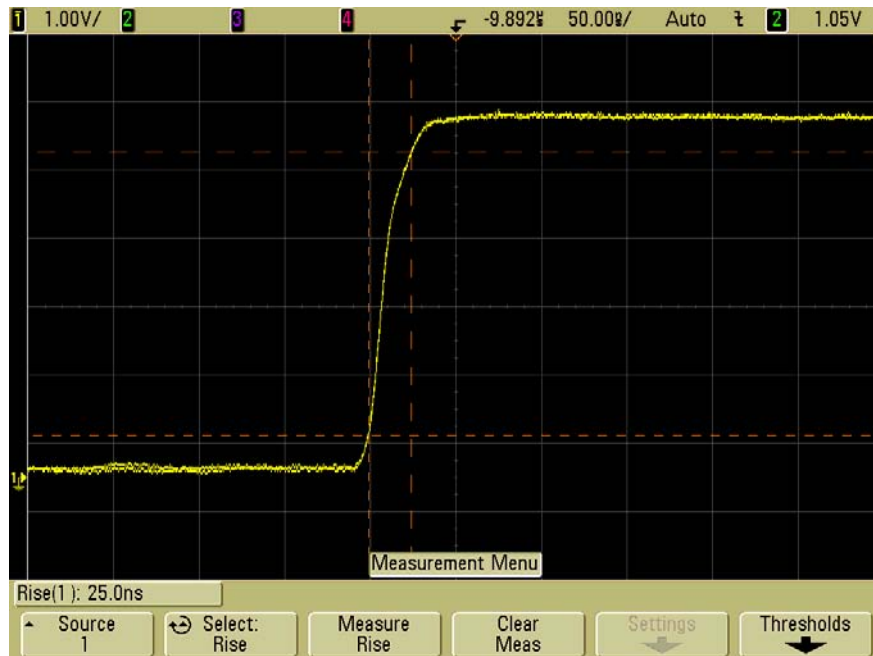




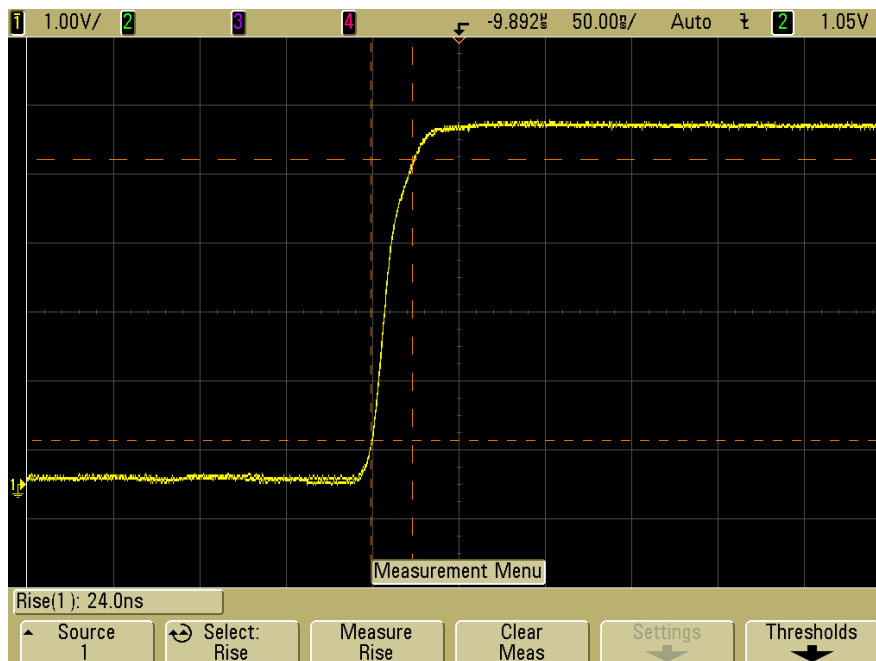


## RISE and SETTLING TIME

2.0 GHz 99.1Ω Load @ +25°C

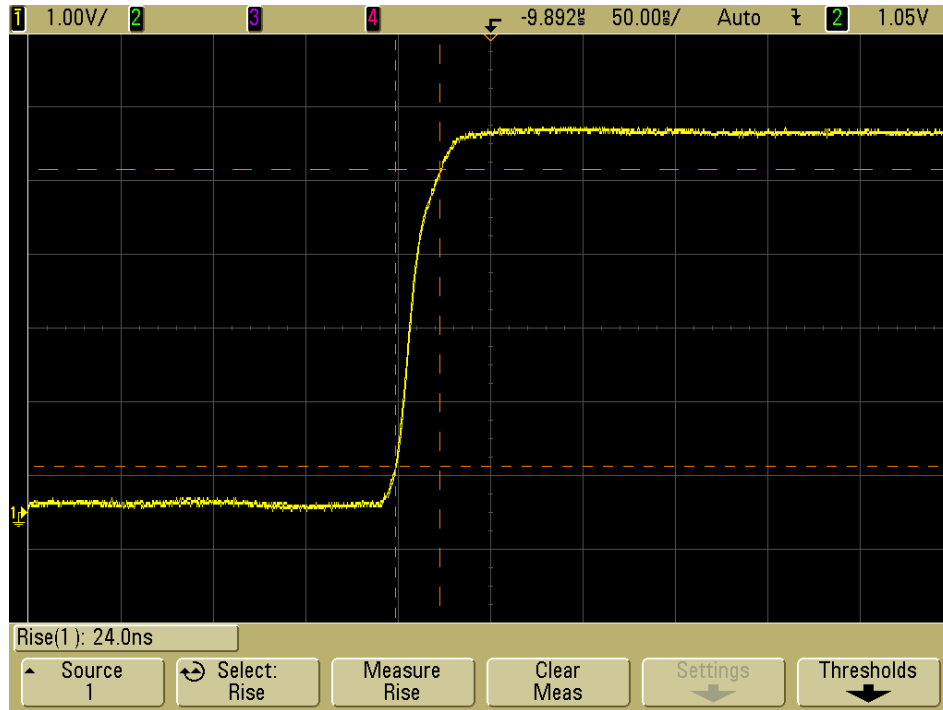


4.0 GHz 99.1Ω Load @ +25°C

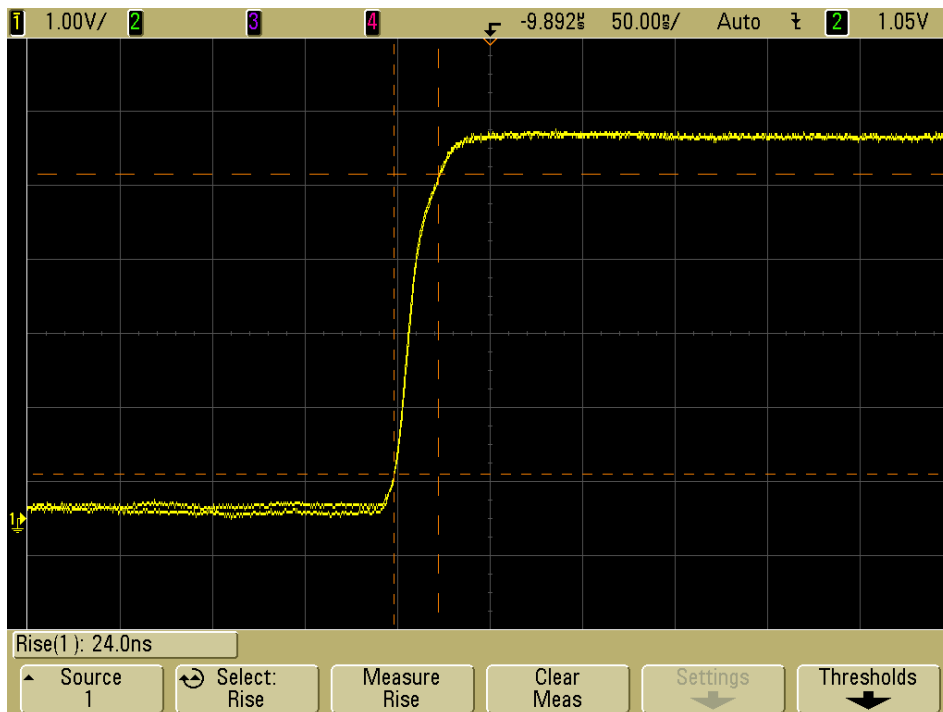




### 5.0 GHz 99.1Ω Load @ +25°C

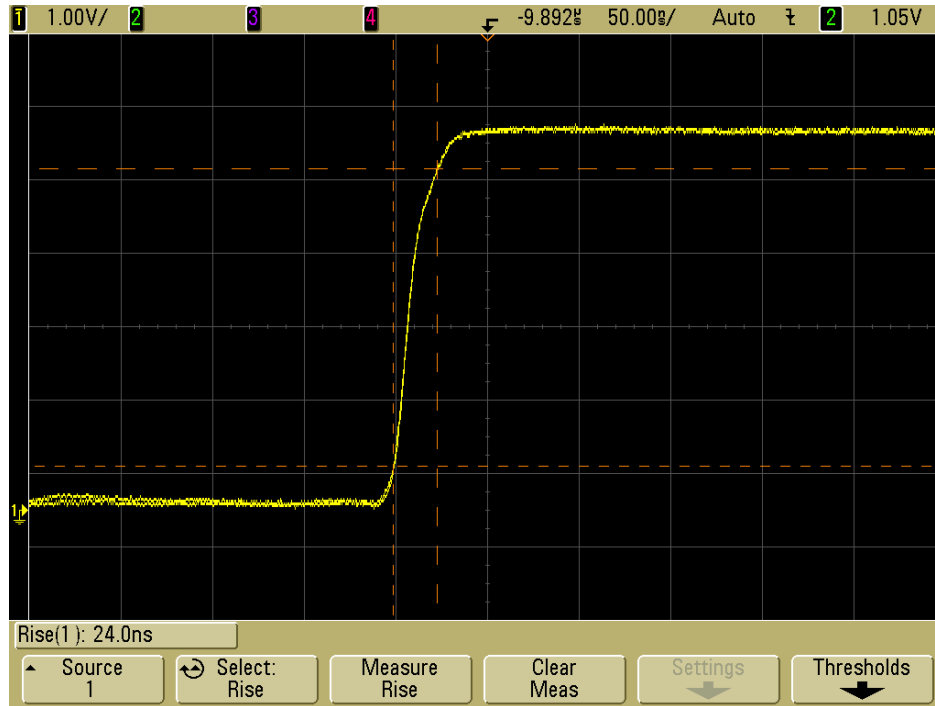


### 6.0 GHz 99.1Ω Load @ +25°C

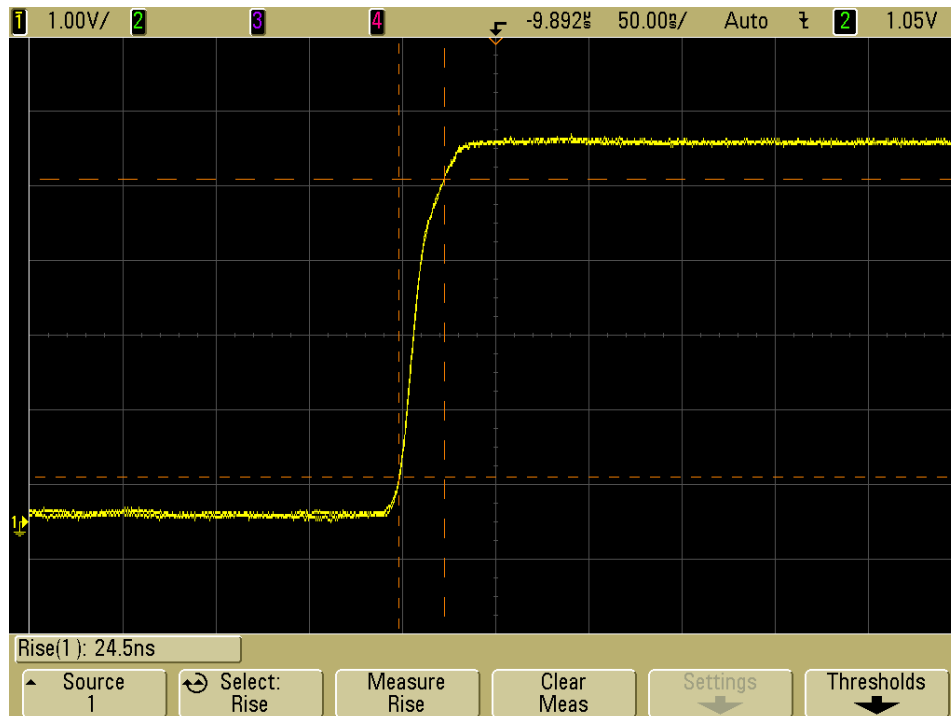




### 8.0 GHz 99.1Ω Load @ +25°C

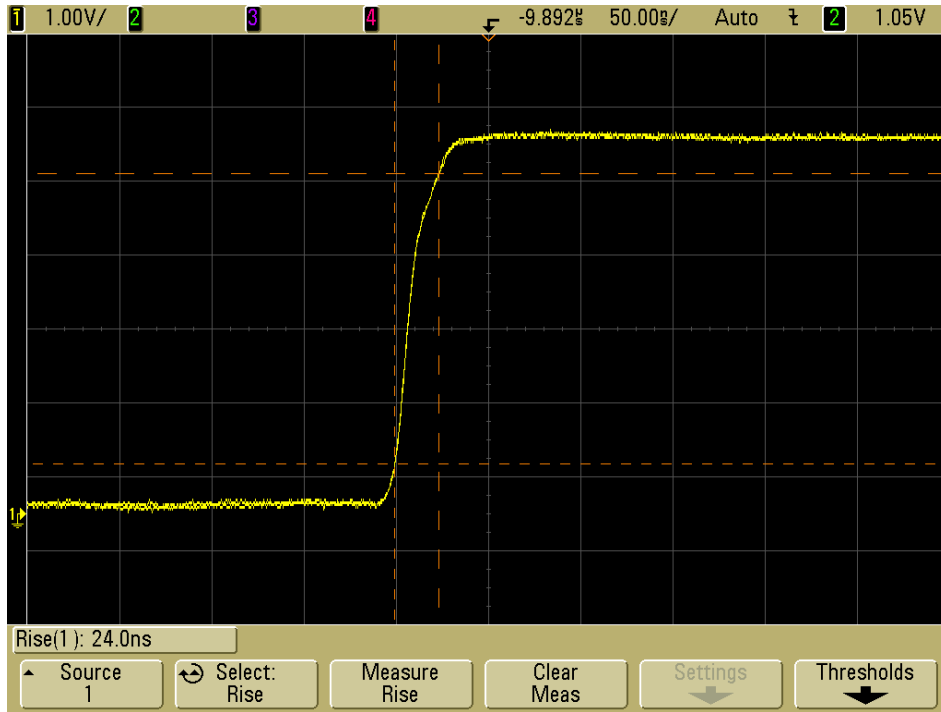


### 10.0 GHz 99.1Ω Load @ +25°C

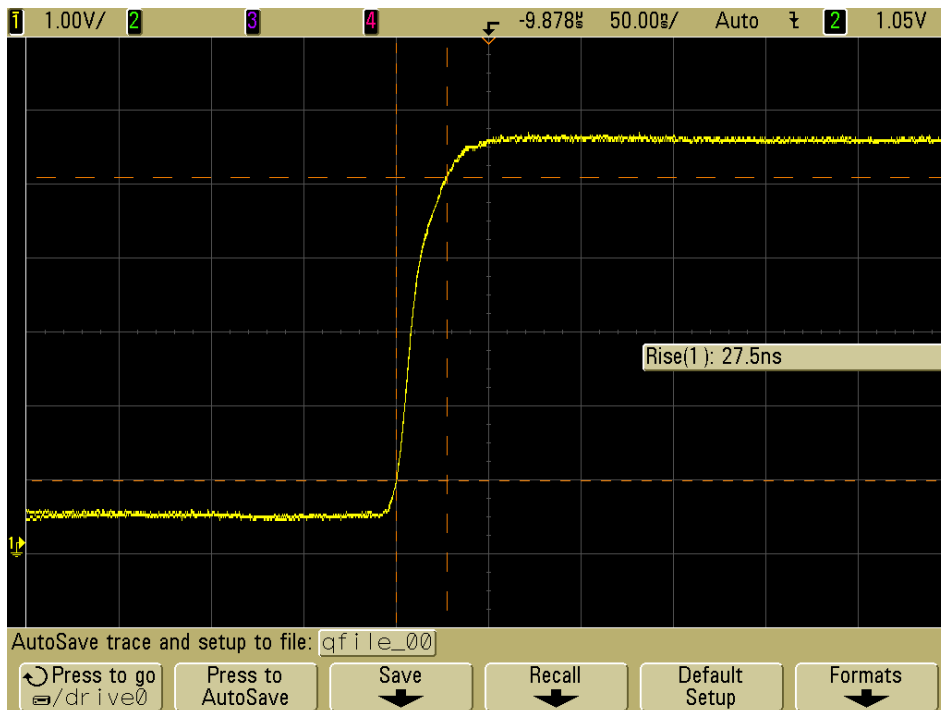




### 18.0 GHz 99.1Ω Load @ +25°C

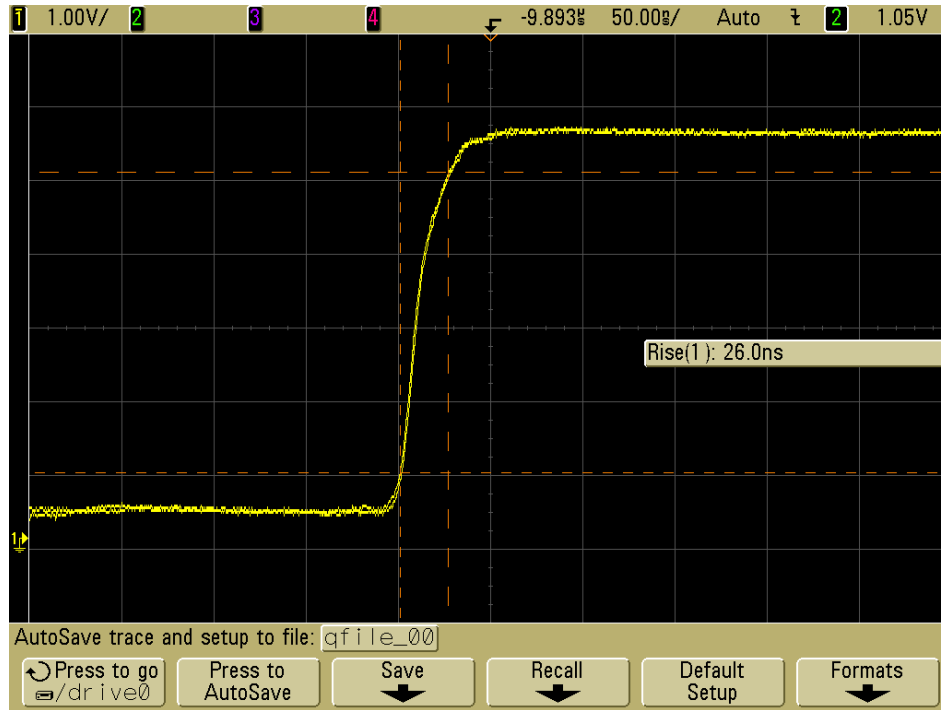


### 2.0 GHz 99.1Ω Load @ -54°C

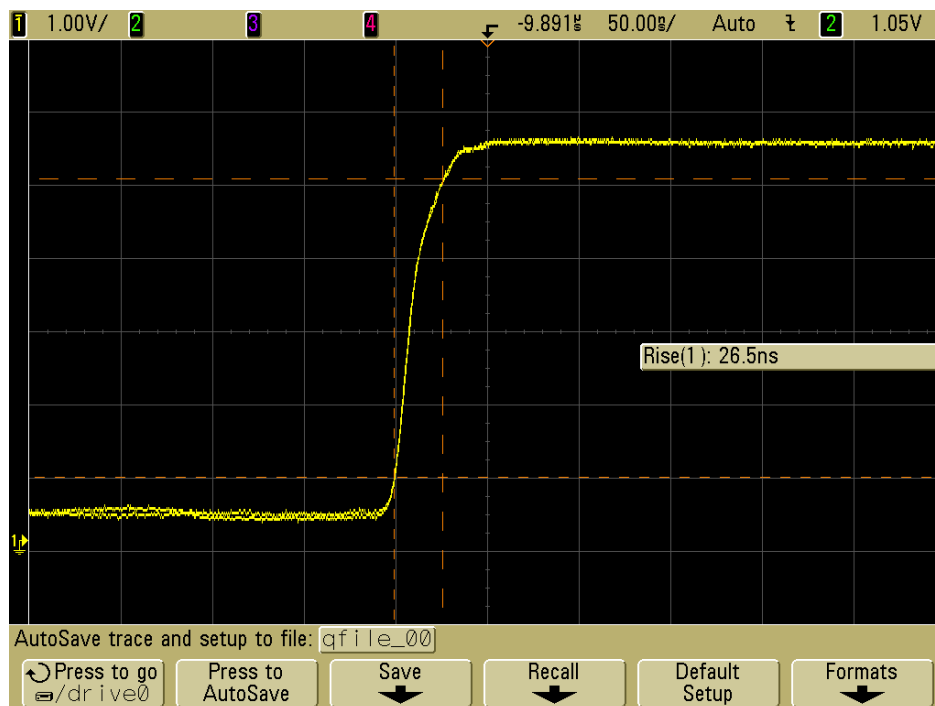




### 4.0 GHz 99.1Ω Load @ -54°C

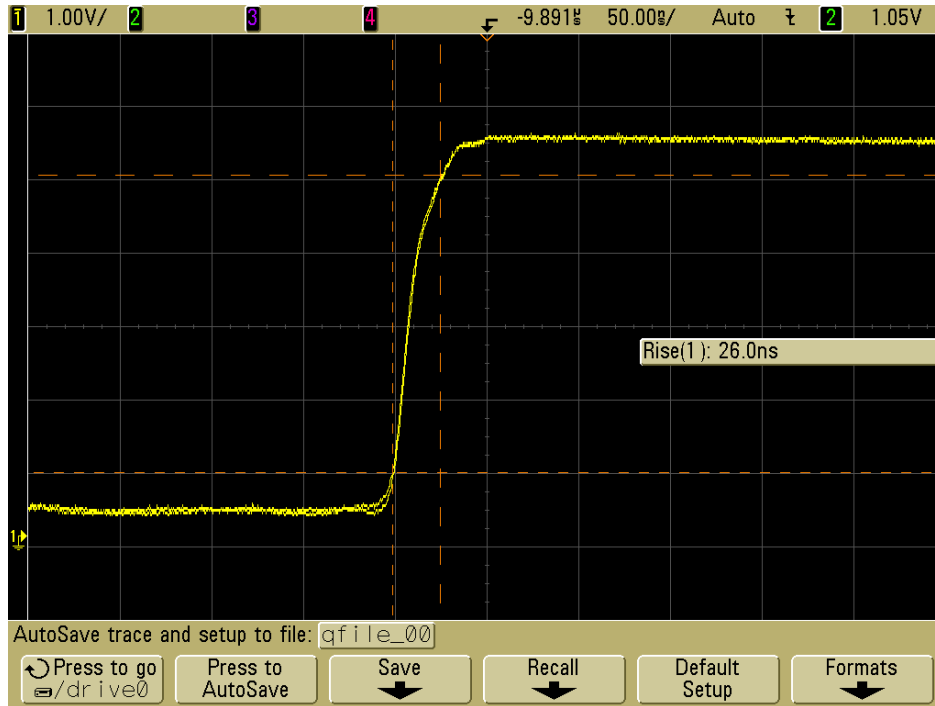


### 5.0 GHz 99.1Ω Load @ -54°C

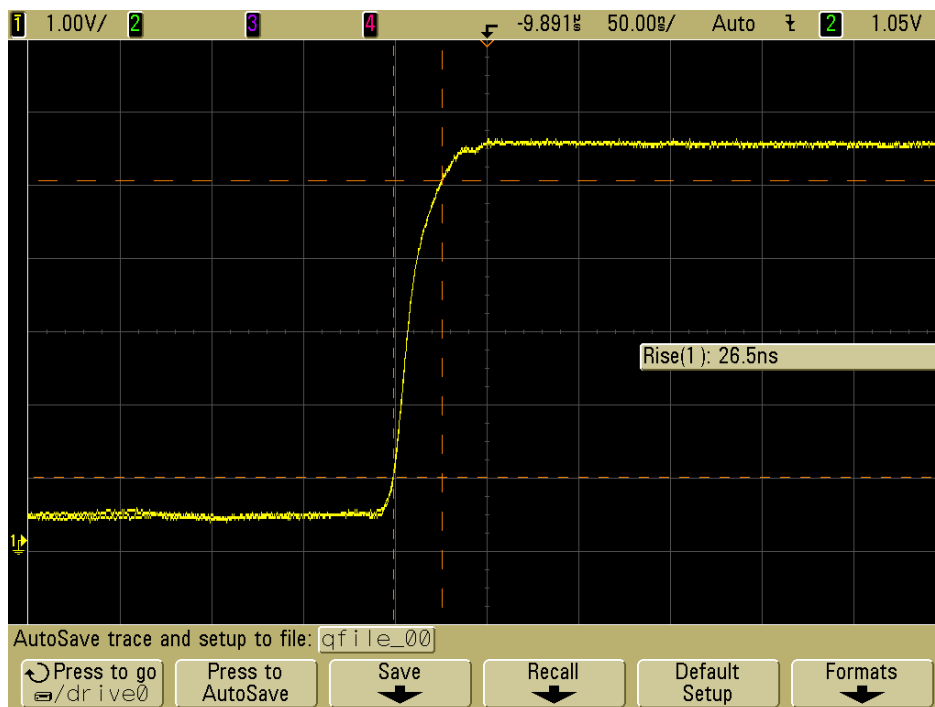




### 6.0 GHz 99.1Ω Load @ -54°C

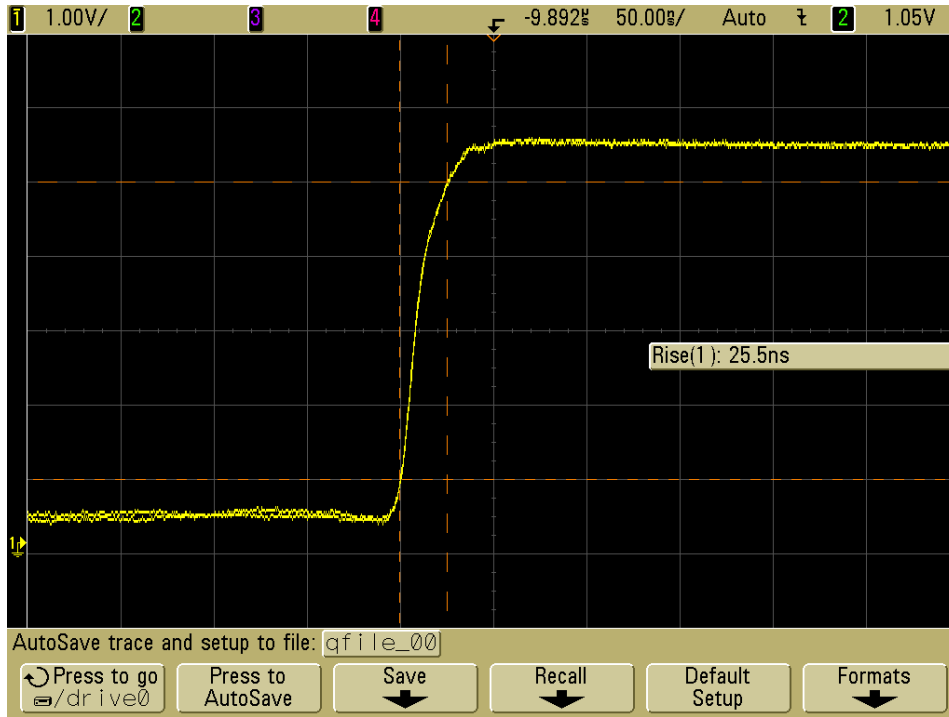


### 8.0 GHz 99.1Ω Load @ -54°C

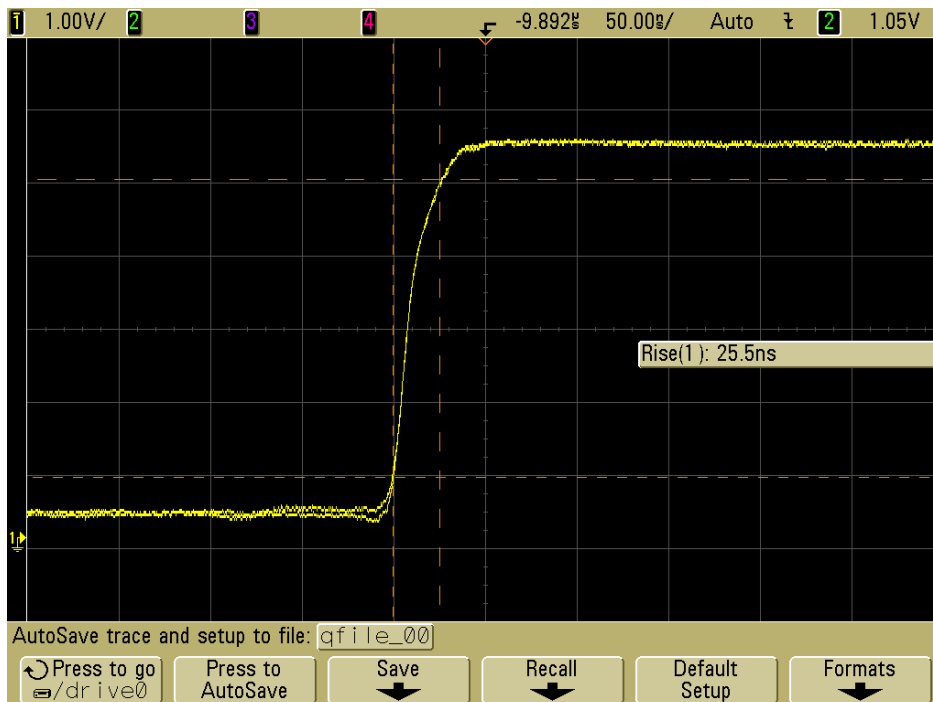




### 10.0 GHz 99.1Ω Load @ -54°C

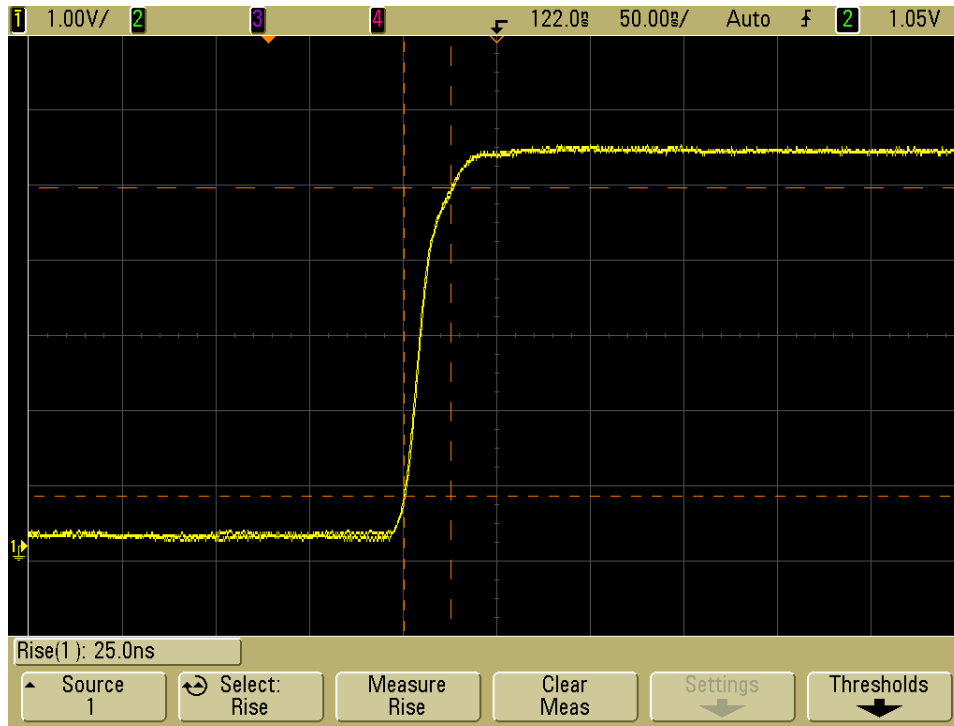


### 18.0 GHz 99.1Ω Load @ -54°C

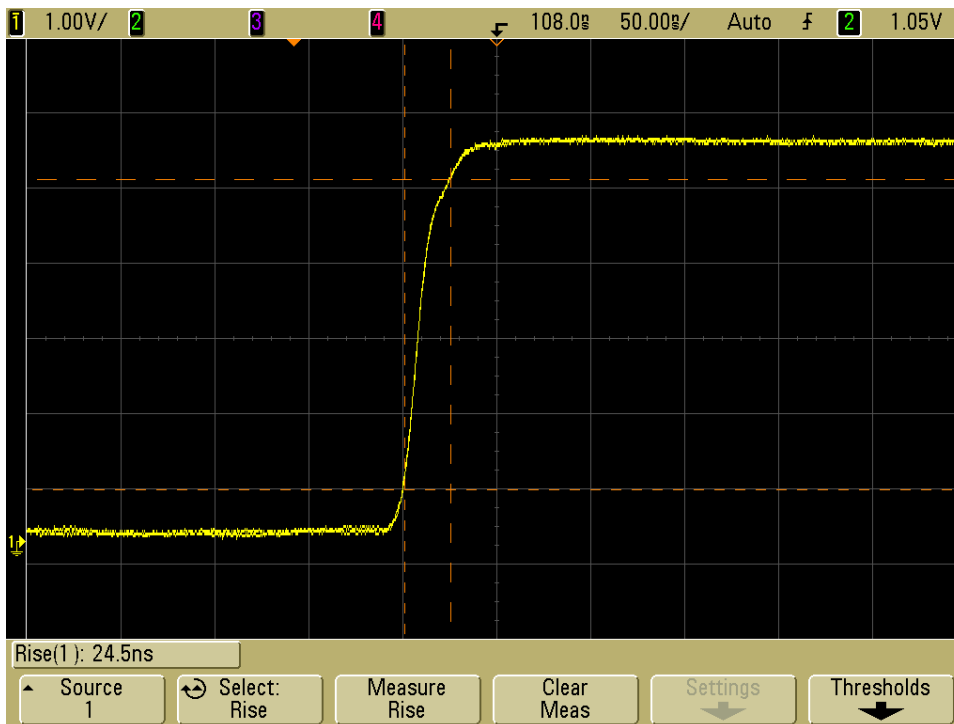




### 2.0 GHz 99.1Ω Load @ +95°C



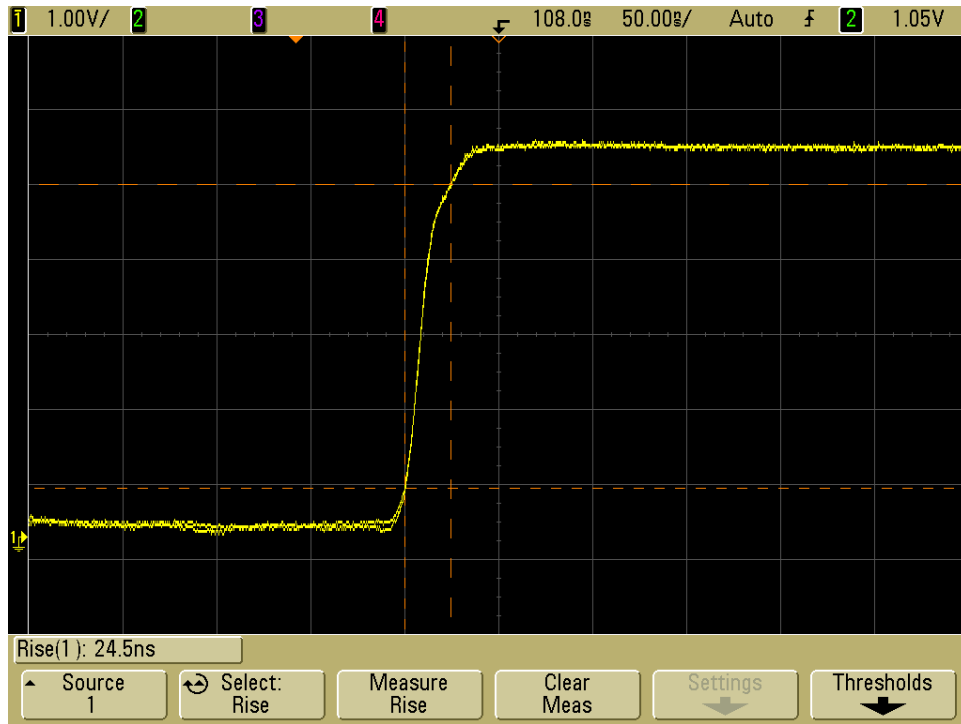
### 4.0 GHz 99.1Ω Load @ +95°C



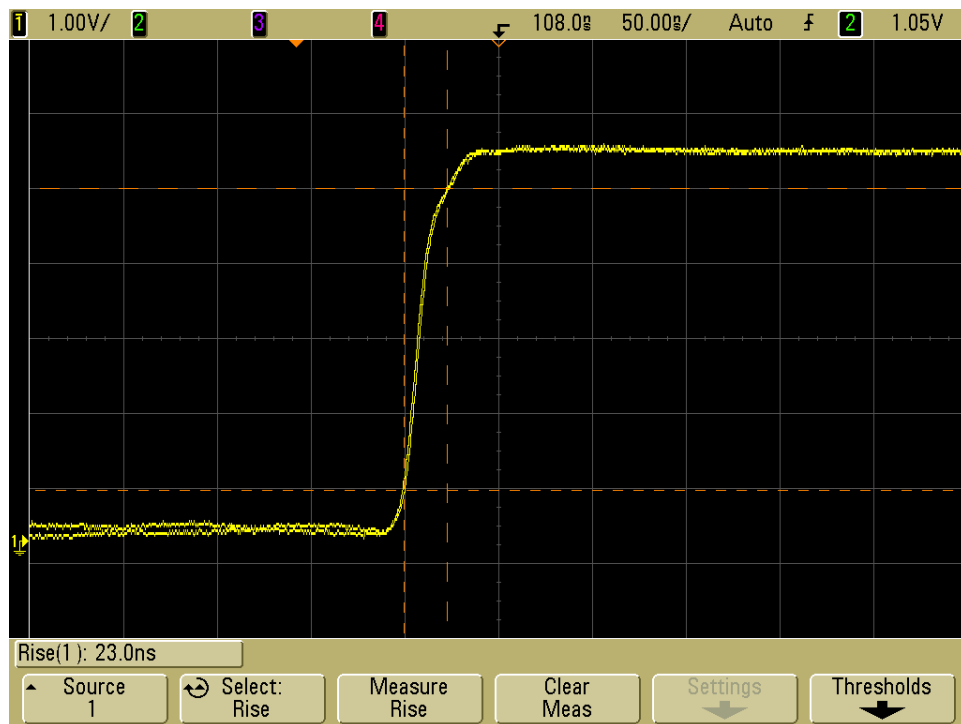




### 5.0 GHz 99.1Ω Load @ +95°C

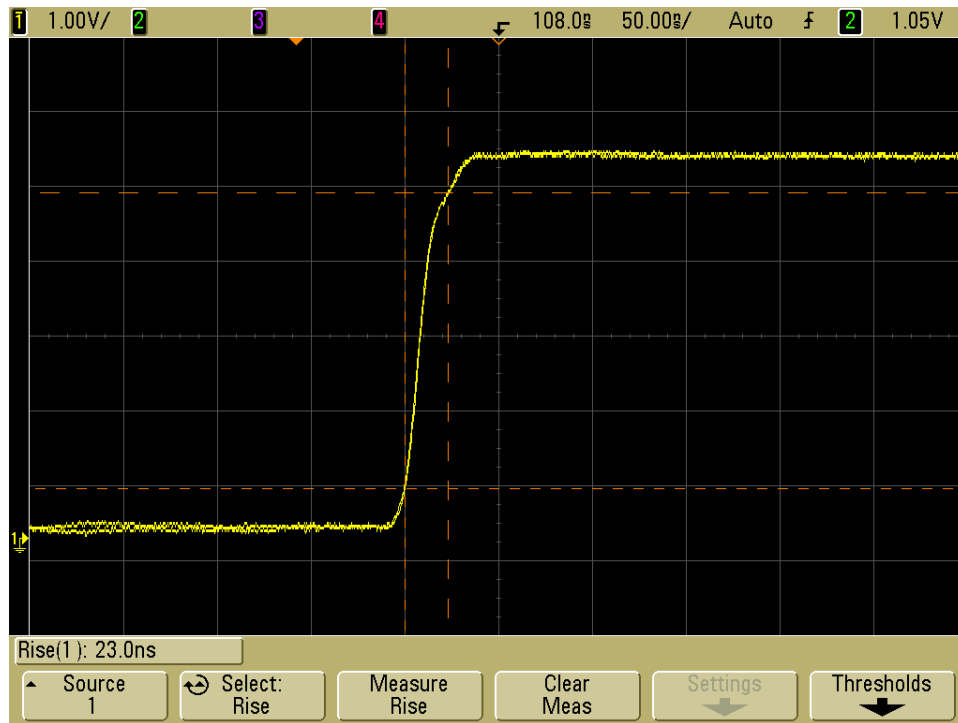


### 6.0 GHz 99.1Ω Load @ +95°C

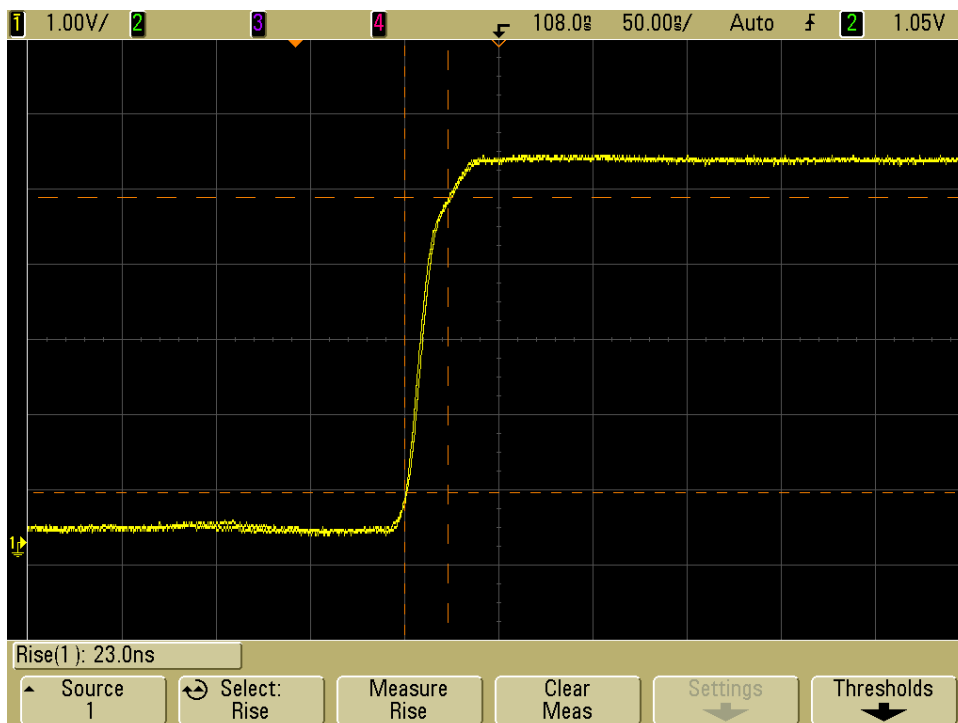




### 8.0 GHz 99.1Ω Load @ +95°C

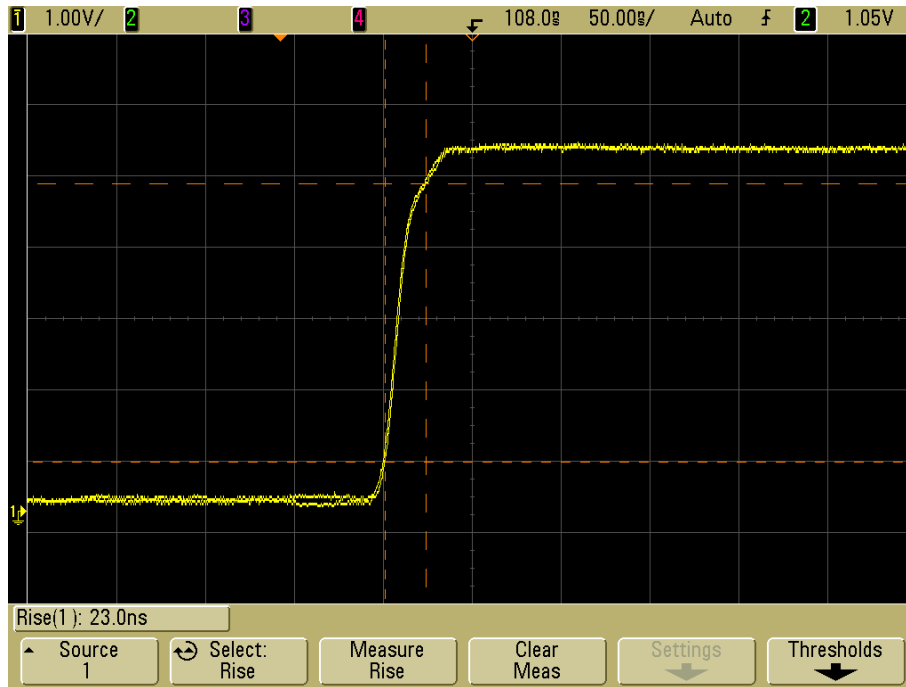


### 10.0 GHz 99.1Ω Load @ +95°C





### 18.0 GHz 99.1Ω Load @ +95°C





# LOG SLOPE, LOG LINEARITY, FLATNESS, and DC OFFSET

## 7 FOOT CABLE 99.1Ω Load 12VDC @ +25°C DC OFFSET -63 mV

LOG TRANSFER WITH FREQUENCY @ 25 °C  
 MODEL: ERDLVA-218-CW-LPD  
 TESTED BY: P.Kuhn  
 SERIAL No.: PL9155/1126

Friday, July 01, 2011  
 2:36 PM



PLANAR MONOLITHICS INDUSTRIES  
 7311-F GROVE ROAD, FREDERICK, MD 21704 USA  
 TEL: 301-662-5019 FAX: 301-662-1731  
 URL: WWW.PMI-RF.COM  
 EMAIL: SALES@PMI-RF.COM

Frequency		.90	.60	.55	.50	.45	.40	.35	.30	.25	.20	.15	.10	.5	0	4	RF Input Power (dBm)
2 GHz	INTERCEPT (mV)	#####															Measured Value (mV)
	SLOPE (mV/dB)	#####															Error (mV)
		NO RF	-.47	0.34	0.12	-0.11	0.01	-0.56	0.24	0.89	0.13	-0.10	0.02	0.13	-0.09	-0.34	LINEARITY ERROR (dB)
2.25 GHz	INTERCEPT (mV)	#####															Measured Value (mV)
	SLOPE (mV/dB)	#####															Error (mV)
		NO RF	-0.72	0.80	0.52	0.44	-0.64	-0.33	-0.02	0.29	-0.22	0.09	0.00	-0.10	-0.20	0.30	LINEARITY ERROR (dB)
2.5 GHz	INTERCEPT (mV)	#####															Measured Value (mV)
	SLOPE (mV/dB)	#####															Error (mV)
		NO RF	-0.20	0.29	-0.30	-0.09	-0.27	-0.06	0.56	0.37	0.18	0.00	-0.19	0.03	-0.16	-0.15	LINEARITY ERROR (dB)
2.75 GHz	INTERCEPT (mV)	#####															Measured Value (mV)
	SLOPE (mV/dB)	#####															Error (mV)
		NO RF	-0.03	0.03	-0.16	0.05	-0.14	0.06	0.27	0.08	-0.11	0.09	-0.10	0.11	-0.08	-0.08	LINEARITY ERROR (dB)
3 GHz	INTERCEPT (mV)	#####															Measured Value (mV)
	SLOPE (mV/dB)	#####															Error (mV)
		NO RF	-0.28	0.20	-0.42	-0.24	-0.07	0.11	0.69	0.47	0.24	0.02	-0.20	-0.02	-0.24	-0.26	LINEARITY ERROR (dB)
3.25 GHz	INTERCEPT (mV)	#####															Measured Value (mV)
	SLOPE (mV/dB)	#####															Error (mV)
		NO RF	-0.10	-0.13	-0.37	-0.20	-0.04	0.12	0.88	0.45	0.22	-0.02	0.15	-0.09	-0.32	-0.35	LINEARITY ERROR (dB)
3.5 GHz	INTERCEPT (mV)	#####															Measured Value (mV)
	SLOPE (mV/dB)	#####															Error (mV)
		NO RF	-0.17	-0.06	-0.32	-0.17	-0.02	0.13	0.67	0.42	0.18	-0.07	0.08	-0.17	-0.02	-0.45	LINEARITY ERROR (dB)
3.75 GHz	INTERCEPT (mV)	#####															Measured Value (mV)
	SLOPE (mV/dB)	#####															Error (mV)
		NO RF	-0.07	0.09	-0.59	-0.08	-0.37	0.13	0.64	0.35	0.46	0.18	0.28	-0.39	-0.28	-0.35	LINEARITY ERROR (dB)
4 GHz	INTERCEPT (mV)	#####															Measured Value (mV)
	SLOPE (mV/dB)	#####															Error (mV)
		NO RF	-0.05	-0.22	-0.51	-0.02	-0.31	0.18	0.67	0.38	0.48	0.19	0.29	0.00	-0.30	-0.77	LINEARITY ERROR (dB)
4.25 GHz	INTERCEPT (mV)	#####															Measured Value (mV)
	SLOPE (mV/dB)	#####															Error (mV)
		NO RF	0.14	-0.31	-0.80	-0.11	-0.41	0.08	0.96	0.67	0.37	0.08	0.17	-0.12	-0.42	-0.50	LINEARITY ERROR (dB)
4.5 GHz	INTERCEPT (mV)	#####															Measured Value (mV)
	SLOPE (mV/dB)	#####															Error (mV)
		NO RF	0.10	-0.25	-0.55	-0.06	-0.36	0.12	0.61	0.70	0.40	0.10	0.19	-0.10	-0.40	-0.49	LINEARITY ERROR (dB)
4.75 GHz	INTERCEPT (mV)	#####															Measured Value (mV)
	SLOPE (mV/dB)	#####															Error (mV)
		NO RF	-0.07	-0.14	-0.43	-0.33	-0.62	0.27	0.76	0.56	0.57	0.28	-0.01	0.09	-0.59	-0.67	LINEARITY ERROR (dB)
5 GHz	INTERCEPT (mV)	#####															Measured Value (mV)
	SLOPE (mV/dB)	#####															Error (mV)
		NO RF	0.05	0.16	-0.68	-0.17	-0.44	0.07	0.58	0.69	0.42	0.14	-0.14	-0.02	-0.30	-0.36	LINEARITY ERROR (dB)
5.25 GHz	INTERCEPT (mV)	#####															Measured Value (mV)
	SLOPE (mV/dB)	#####															Error (mV)
		NO RF	0.00	-0.11	-0.35	-0.21	-0.46	0.09	0.63	0.78	0.13	0.28	0.03	0.18	-0.47	-0.51	LINEARITY ERROR (dB)
5.5 GHz	INTERCEPT (mV)	#####															Measured Value (mV)
	SLOPE (mV/dB)	#####															Error (mV)
		NO RF	-0.04	-0.16	-0.41	-0.25	-0.10	0.05	0.60	0.75	0.11	0.26	0.02	0.17	-0.47	-0.51	LINEARITY ERROR (dB)

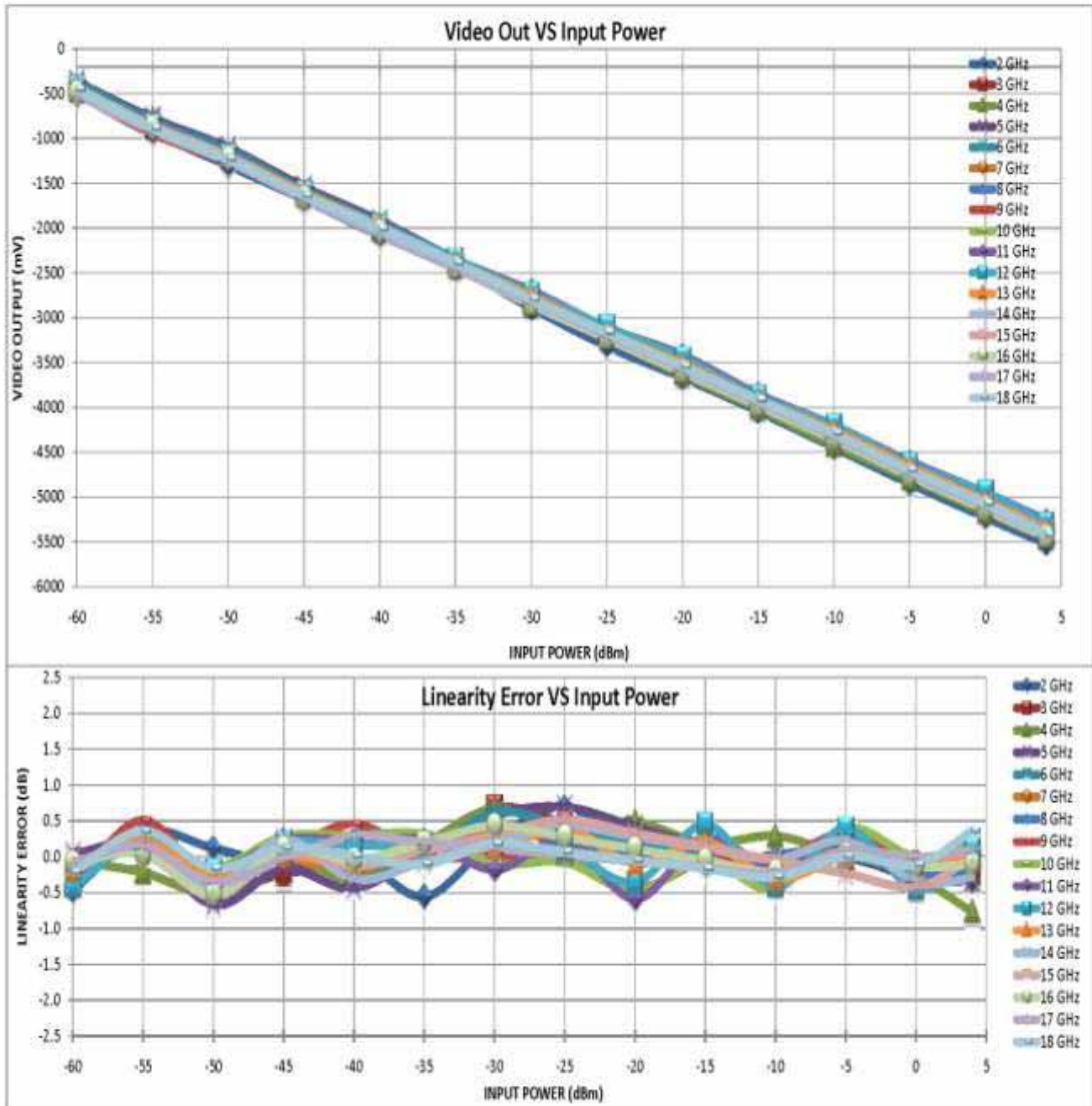


5.75 GHz	INTERCEPT (mV)	-5106														Measured Value (mV)
	SLOPE (mV/dB)	-78.69														Error (mV)
6 GHz	INTERCEPT (mV)	-5091														Measured Value (mV)
	SLOPE (mV/dB)	-79.2														Error (mV)
6.25 GHz	INTERCEPT (mV)	-5091														Measured Value (mV)
	SLOPE (mV/dB)	-78.02														Error (mV)
6.5 GHz	INTERCEPT (mV)	-5085														Measured Value (mV)
	SLOPE (mV/dB)	-77.48														Error (mV)
6.75 GHz	INTERCEPT (mV)	-5086														Measured Value (mV)
	SLOPE (mV/dB)	-77.53														Error (mV)
7 GHz	INTERCEPT (mV)	-5081														Measured Value (mV)
	SLOPE (mV/dB)	-77.16														Error (mV)
7.25 GHz	INTERCEPT (mV)	-5080														Measured Value (mV)
	SLOPE (mV/dB)	-76.75														Error (mV)
7.5 GHz	INTERCEPT (mV)	-5099														Measured Value (mV)
	SLOPE (mV/dB)	-76.88														Error (mV)
7.75 GHz	INTERCEPT (mV)	-5102														Measured Value (mV)
	SLOPE (mV/dB)	-76.4														Error (mV)
8 GHz	INTERCEPT (mV)	-5094														Measured Value (mV)
	SLOPE (mV/dB)	-76.05														Error (mV)
8.25 GHz	INTERCEPT (mV)	-5083														Measured Value (mV)
	SLOPE (mV/dB)	-75.74														Error (mV)
8.5 GHz	INTERCEPT (mV)	-5075														Measured Value (mV)
	SLOPE (mV/dB)	-75.35														Error (mV)
8.75 GHz	INTERCEPT (mV)	-5064														Measured Value (mV)
	SLOPE (mV/dB)	-75.11														Error (mV)
9 GHz	INTERCEPT (mV)	-5052														Measured Value (mV)
	SLOPE (mV/dB)	-75.27														Error (mV)
9.25 GHz	INTERCEPT (mV)	-5037														Measured Value (mV)
	SLOPE (mV/dB)	-75.15														Error (mV)
9.5 GHz	INTERCEPT (mV)	-5046														Measured Value (mV)
	SLOPE (mV/dB)	-74.95														Error (mV)
9.75 GHz	INTERCEPT (mV)	-5025														Measured Value (mV)
	SLOPE (mV/dB)	-74.51														Error (mV)
10 GHz	INTERCEPT (mV)	-5013														Measured Value (mV)
	SLOPE (mV/dB)	-74.79														Error (mV)



10.25 GHz	INTERCEPT (mV) -5011 SLOPE (mV/dB) -74.3	***** -895 -919 -1263 -1689 -2044 -2419 -2783 -3138 -3481 -3888 -4263 -4669 -5013 -5325 NO RF 36 -28 11 -21 -21 -22 9 8 39 7 7 -25 6 -7 NO RF -8.48 0.26 -8.15 8.28 8.29 8.29 -8.12 -8.11 -8.32 -8.10 -8.09 8.33 -8.08 8.18	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
10.5 GHz	INTERCEPT (mV) -4997 SLOPE (mV/dB) -74.41	***** -891 -919 -1263 -1689 -2044 -2388 -2783 -3138 -3481 -3888 -4231 -4638 -4981 -5294 NO RF 38 -18 19 -24 -27 2 -1 -4 34 -18 18 -16 12 -3 NO RF -8.51 0.24 -8.14 8.32 8.36 -8.07 8.02 8.06 -8.32 0.14 -8.24 8.22 -8.16 8.04	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
10.75 GHz	INTERCEPT (mV) -4992 SLOPE (mV/dB) -74.83	***** -891 -888 -1221 -1638 -2013 -2388 -2731 -3138 -3456 -3888 -4231 -4638 -4981 -5294 NO RF 18 -14 17 -15 -15 -16 15 -17 45 -18 12 -20 11 -2 NO RF -8.24 0.18 -8.23 8.28 8.21 8.21 -8.18 8.23 -8.68 8.25 -8.16 8.26 -8.15 8.82	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
11 GHz	INTERCEPT (mV) -4967 SLOPE (mV/dB) -74.85	***** -438 -856 -1266 -1686 -1981 -2358 -2708 -3186 -3419 -3856 -4268 -4686 -4950 -5263 NO RF 27 -18 15 -17 -17 -17 14 -18 44 -19 13 -19 12 -1 NO RF -8.38 0.22 -8.28 8.23 8.23 8.23 -8.18 8.24 -8.58 8.25 -8.17 8.25 -8.16 8.81	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
11.25 GHz	INTERCEPT (mV) -4997 SLOPE (mV/dB) -75.24	***** -458 -856 -1288 -1638 -2013 -2388 -2731 -3138 -3458 -3888 -4268 -4638 -4981 -5294 NO RF 29 -1 31 -36 -29 -26 5 -25 38 -23 41 -21 12 8 NO RF -8.28 0.82 -8.42 8.48 8.38 8.37 -8.86 8.34 -8.51 8.30 -8.54 8.27 -8.16 8.88	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
11.5 GHz	INTERCEPT (mV) -4985 SLOPE (mV/dB) -75.3	***** -438 -856 -1288 -1686 -1981 -2388 -2731 -3186 -3456 -3888 -4268 -4638 -4950 -5294 NO RF 29 -13 28 -18 -8 -38 -5 -4 29 -32 32 -29 35 -7 NO RF -8.38 8.17 -8.27 8.13 8.11 8.58 8.87 8.85 -8.39 8.42 -8.43 8.38 -8.47 8.18	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
11.75 GHz	INTERCEPT (mV) -4968 SLOPE (mV/dB) -75.15	***** -436 -825 -1288 -1686 -1981 -2358 -2708 -3186 -3458 -3856 -4268 -4686 -4950 -5263 NO RF 22 8 19 -21 -28 -19 13 -18 14 -16 16 -15 18 6 NO RF -8.28 -8.12 -8.13 8.27 8.26 8.25 -8.17 8.23 -8.19 8.21 -8.21 8.19 -8.23 -8.07	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
12 GHz	INTERCEPT (mV) -4985 SLOPE (mV/dB) -75.28	***** -431 -856 -1288 -1686 -1981 -2358 -2731 -3186 -3458 -3888 -4268 -4638 -4950 -5294 NO RF 31 -18 15 -14 -12 -10 -8 -6 27 -34 31 -30 35 -7 NO RF -8.41 0.24 -8.28 8.18 8.18 8.13 8.11 8.88 -8.36 8.44 -8.41 8.38 -8.48 8.18	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
12.25 GHz	INTERCEPT (mV) -5089 SLOPE (mV/dB) -75.83	***** -438 -856 -1288 -1686 -1981 -2358 -2731 -3138 -3481 -3888 -4231 -4638 -4981 -5325 NO RF 21 -18 17 -18 -6 -2 2 -25 11 -16 19 -8 27 -13 NO RF -8.27 0.24 -8.23 8.13 8.88 8.82 -8.85 8.32 -8.14 8.21 -8.25 8.11 -8.36 8.17	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
12.5 GHz	INTERCEPT (mV) -5048 SLOPE (mV/dB) -76.28	***** -458 -856 -1288 -1638 -1981 -2388 -2731 -3138 -3513 -3919 -4263 -4668 -5013 -5358 NO RF 13 -12 26 -36 7 -18 28 -5 2 -23 15 -18 27 -11 NO RF -8.17 0.16 -8.34 8.48 -8.89 8.23 -8.26 8.86 -8.82 8.30 -8.18 8.13 -8.36 8.15	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
12.75 GHz	INTERCEPT (mV) -5042 SLOPE (mV/dB) -76.74	***** -434 -825 -1288 -1686 -1950 -2358 -2731 -3138 -3513 -3919 -4263 -4669 -5013 -5358 NO RF 4 -3 6 -17 23 0 8 -14 -5 -28 12 -18 38 -7 NO RF -8.05 8.84 -8.87 8.22 -8.38 8.88 -8.12 8.18 8.88 8.36 -8.16 8.13 -8.28 8.88	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
13 GHz	INTERCEPT (mV) -5052 SLOPE (mV/dB) -76.58	***** -442 -856 -1288 -1686 -1981 -2388 -2783 -3188 -3513 -3919 -4263 -4669 -5044 -5358 NO RF 15 -16 23 8 7 -16 -8 -31 8 -16 24 8 8 2 NO RF -8.18 0.21 -8.38 8.01 -8.10 8.21 8.10 8.41 -8.10 8.20 -8.21 8.08 -8.11 -8.03	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
13.25 GHz	INTERCEPT (mV) -5087 SLOPE (mV/dB) -76.66	***** -488 -888 -1221 -1638 -2013 -2388 -2794 -3288 -3544 -3956 -4294 -4786 -5075 -5388 NO RF 16 -21 19 -4 4 12 -11 -34 6 -17 22 -1 -8 2 NO RF -8.28 0.27 -8.24 8.86 -8.85 -8.16 8.14 8.44 -8.87 8.22 -8.26 8.81 -8.18 -8.02	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
13.5 GHz	INTERCEPT (mV) -5087 SLOPE (mV/dB) -76.97	***** -488 -888 -1221 -1638 -2013 -2388 -2794 -3288 -3575 -3956 -4325 -4731 -5075 -5388 NO RF 13 -21 19 -2 7 17 -5 -28 -17 -7 2 -19 22 17 NO RF -8.18 8.28 -8.25 8.83 -8.18 -8.22 8.86 8.34 8.22 8.88 -8.83 8.25 -8.28 -8.22	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
13.75 GHz	INTERCEPT (mV) -5115 SLOPE (mV/dB) -77.23	***** -444 -856 -1288 -1638 -1981 -2388 -2794 -3288 -3575 -3956 -4325 -4731 -5186 -5418 NO RF 7 -16 28 -28 25 7 -11 -28 -15 -1 13 -5 8 7 NO RF -8.09 8.21 -8.37 8.26 -8.32 -8.89 8.14 8.38 8.18 8.81 -8.16 8.86 -8.11 -8.88	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
14 GHz	INTERCEPT (mV) -5181 SLOPE (mV/dB) -77.38	***** -446 -856 -1288 -1638 -1981 -2388 -2794 -3288 -3575 -3956 -4325 -4731 -5075 -5388 NO RF 12 -11 32 -19 24 5 -14 -33 -21 -9 2 -17 26 23 NO RF -8.15 8.15 -8.41 8.24 -8.32 -8.87 8.18 8.43 8.28 8.12 -8.83 8.22 -8.34 -8.38	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
14.25 GHz	INTERCEPT (mV) -5114 SLOPE (mV/dB) -77.58	***** -454 -856 -1288 -1638 -2013 -2388 -2825 -3288 -3575 -3956 -4325 -4731 -5186 -5418 NO RF 7 -7 37 -13 8 13 -36 -23 -18 3 16 -3 18 8 NO RF -8.09 8.18 -8.47 8.16 8.88 -8.17 8.47 8.30 8.13 -8.83 -8.28 8.84 -8.13 -8.18	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
14.5 GHz	INTERCEPT (mV) -5137 SLOPE (mV/dB) -77.66	***** -462 -888 -1221 -1638 -2013 -2419 -2825 -3231 -3686 -3981 -4325 -4783 -5186 -5458 NO RF 16 -22 22 5 18 8 -18 -36 -23 -18 35 -14 38 -3	Measured Value (mV) Error (mV)









# 130 FOOT CABLE 99.1Ω Load 12VDC @ +25°C DC OFFSET -52 mV

LOG TRANSFER WITH FREQUENCY @ 25 °C  
 MODEL: EROLYA-218-CW-LPD  
 TESTED BY: P.Kuhn  
 SERIAL No.: PL9155/1126

Friday, July 01, 2011  
 2:57 PM



PLANAR MONOLITHICS INDUSTRIES  
 7311-F GROVE ROAD, FREDERICK, MD 21704 USA  
 TEL: 301-662-5019 FAX: 301-662-1731  
 URL: WWW.PMI-RF.COM  
 EMAIL: SALES@PMI-RF.COM

Frequency		-90	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	4	RF Input Power (dBm)
2 GHz	INTERCEPT (mV)	-4119																			Measured Value (mV)
	SLOPE (mV/dB)	-62.95																			Error (mV)
		NO RF	28	-22	13	-9	4	-7	-19	-22	7	0	23	5	25	-26	LINEARTY ERROR (dB)				
	NO RF	-0.44	0.36	-0.21	0.14	-0.06	0.11	0.30	0.35	-0.12	0.01	-0.37	-0.08	-0.40	0.42						
2.25 GHz	INTERCEPT (mV)	-4116																			Measured Value (mV)
	SLOPE (mV/dB)	-62.53																			Error (mV)
		NO RF	31	-17	20	-8	0	-9	-24	-24	-1	-3	15	-1	16	4	LINEARTY ERROR (dB)				
	NO RF	-0.50	0.28	-0.32	0.12	0.01	0.15	0.38	0.38	0.02	0.04	-0.24	0.01	-0.25	-0.07						
2.5 GHz	INTERCEPT (mV)	-4124																			Measured Value (mV)
	SLOPE (mV/dB)	-62.81																			Error (mV)
		NO RF	21	-12	25	-6	1	-8	-27	-25	-3	1	14	1	12	5	LINEARTY ERROR (dB)				
	NO RF	-0.34	0.20	-0.41	0.09	-0.02	0.12	0.43	0.41	0.05	-0.01	-0.23	-0.02	-0.20	-0.09						
2.75 GHz	INTERCEPT (mV)	-4123																			Measured Value (mV)
	SLOPE (mV/dB)	-62.73																			Error (mV)
		NO RF	17	-16	22	-6	5	-9	-17	-14	12	3	11	-4	5	-1	LINEARTY ERROR (dB)				
	NO RF	-0.27	0.25	-0.35	0.10	0.07	0.15	0.27	0.22	-0.19	-0.05	-0.18	0.06	-0.08	0.01						
3 GHz	INTERCEPT (mV)	-4159																			Measured Value (mV)
	SLOPE (mV/dB)	-63.21																			Error (mV)
		NO RF	26	-15	30	6	8	-9	-41	-31	-24	-2	5	7	18	21	LINEARTY ERROR (dB)				
	NO RF	-0.41	0.24	-0.48	-0.10	-0.12	0.13	0.66	0.48	0.38	0.02	-0.08	-0.11	-0.28	-0.34						
3.25 GHz	INTERCEPT (mV)	-4189																			Measured Value (mV)
	SLOPE (mV/dB)	-63.55																			Error (mV)
		NO RF	35	-15	26	0	7	-8	-47	-31	-21	2	3	9	17	22	LINEARTY ERROR (dB)				
	NO RF	-0.55	0.24	-0.42	0.00	-0.11	0.13	0.73	0.49	0.33	-0.04	-0.05	-0.14	-0.27	-0.34						
3.5 GHz	INTERCEPT (mV)	-4177																			Measured Value (mV)
	SLOPE (mV/dB)	-63.75																			Error (mV)
		NO RF	31	-11	25	-1	8	-8	-44	-31	-22	3	1	9	16	23	LINEARTY ERROR (dB)				
	NO RF	-0.48	0.17	-0.40	0.01	-0.12	0.13	0.69	0.48	0.34	-0.05	-0.01	-0.14	-0.25	-0.37						
3.75 GHz	INTERCEPT (mV)	-4189																			Measured Value (mV)
	SLOPE (mV/dB)	-64.12																			Error (mV)
		NO RF	28	-6	27	6	11	-11	-49	-35	-28	-1	-4	10	21	30	LINEARTY ERROR (dB)				
	NO RF	-0.44	0.10	-0.43	-0.10	-0.17	0.17	0.76	0.55	0.44	0.01	0.06	-0.16	-0.33	-0.47						
4 GHz	INTERCEPT (mV)	-4189																			Measured Value (mV)
	SLOPE (mV/dB)	-64.14																			Error (mV)
		NO RF	26	-6	27	9	18	-8	-53	-38	-34	-4	5	10	24	34	LINEARTY ERROR (dB)				
	NO RF	-0.41	0.09	-0.42	-0.14	-0.27	0.13	0.83	0.60	0.53	0.06	0.08	-0.15	-0.38	-0.53						
4.25 GHz	INTERCEPT (mV)	-4175																			Measured Value (mV)
	SLOPE (mV/dB)	-64.38																			Error (mV)
		NO RF	23	-4	30	13	18	-12	-49	-44	-33	-7	-3	9	28	34	LINEARTY ERROR (dB)				
	NO RF	-0.35	0.06	-0.47	-0.20	-0.28	0.19	0.76	0.69	0.52	0.11	0.05	-0.14	-0.43	-0.52						
4.5 GHz	INTERCEPT (mV)	-4170																			Measured Value (mV)
	SLOPE (mV/dB)	-64.35																			Error (mV)
		NO RF	31	-7	27	11	14	-7	-51	-47	-33	-10	-2	9	31	36	LINEARTY ERROR (dB)				
	NO RF	-0.48	0.11	-0.42	-0.17	-0.22	0.11	0.79	0.73	0.51	0.16	0.04	-0.13	-0.47	-0.54						
4.75 GHz	INTERCEPT (mV)	-4162																			Measured Value (mV)
	SLOPE (mV/dB)	-64.38																			Error (mV)
		NO RF	23	6	25	8	16	-11	-49	-48	-32	-12	1	7	31	36	LINEARTY ERROR (dB)				
	NO RF	-0.36	-0.09	-0.39	-0.12	-0.24	0.17	0.76	0.75	0.49	0.19	-0.01	-0.11	-0.49	-0.54						
5 GHz	INTERCEPT (mV)	-4139																			Measured Value (mV)
	SLOPE (mV/dB)	-64.03																			Error (mV)
		NO RF	8	7	23	12	22	-11	-40	-49	-23	-15	5	1	31	26	LINEARTY ERROR (dB)				
	NO RF	-0.13	-0.12	-0.36	-0.19	-0.35	0.17	0.63	0.76	0.36	0.23	-0.08	-0.02	-0.48	-0.41						
5.25 GHz	INTERCEPT (mV)	-4128																			Measured Value (mV)
	SLOPE (mV/dB)	-63.79																			Error (mV)
		NO RF	17	1	27	9	16	-15	-41	-47	-18	-14	6	2	31	25	LINEARTY ERROR (dB)				
	NO RF	-0.27	-0.02	-0.43	-0.15	-0.25	0.24	0.64	0.74	0.28	0.22	-0.10	-0.03	-0.49	-0.39						
5.5 GHz	INTERCEPT (mV)	-4129																			Measured Value (mV)
	SLOPE (mV/dB)	-63.71																			Error (mV)
		NO RF	20	4	28	6	9	-15	-40	-46	-17	-14	8	1	31	25	LINEARTY ERROR (dB)				
	NO RF	-0.31	-0.07	-0.45	-0.09	-0.13	0.24	0.63	0.72	0.27	0.21	-0.13	-0.02	-0.49	-0.39						

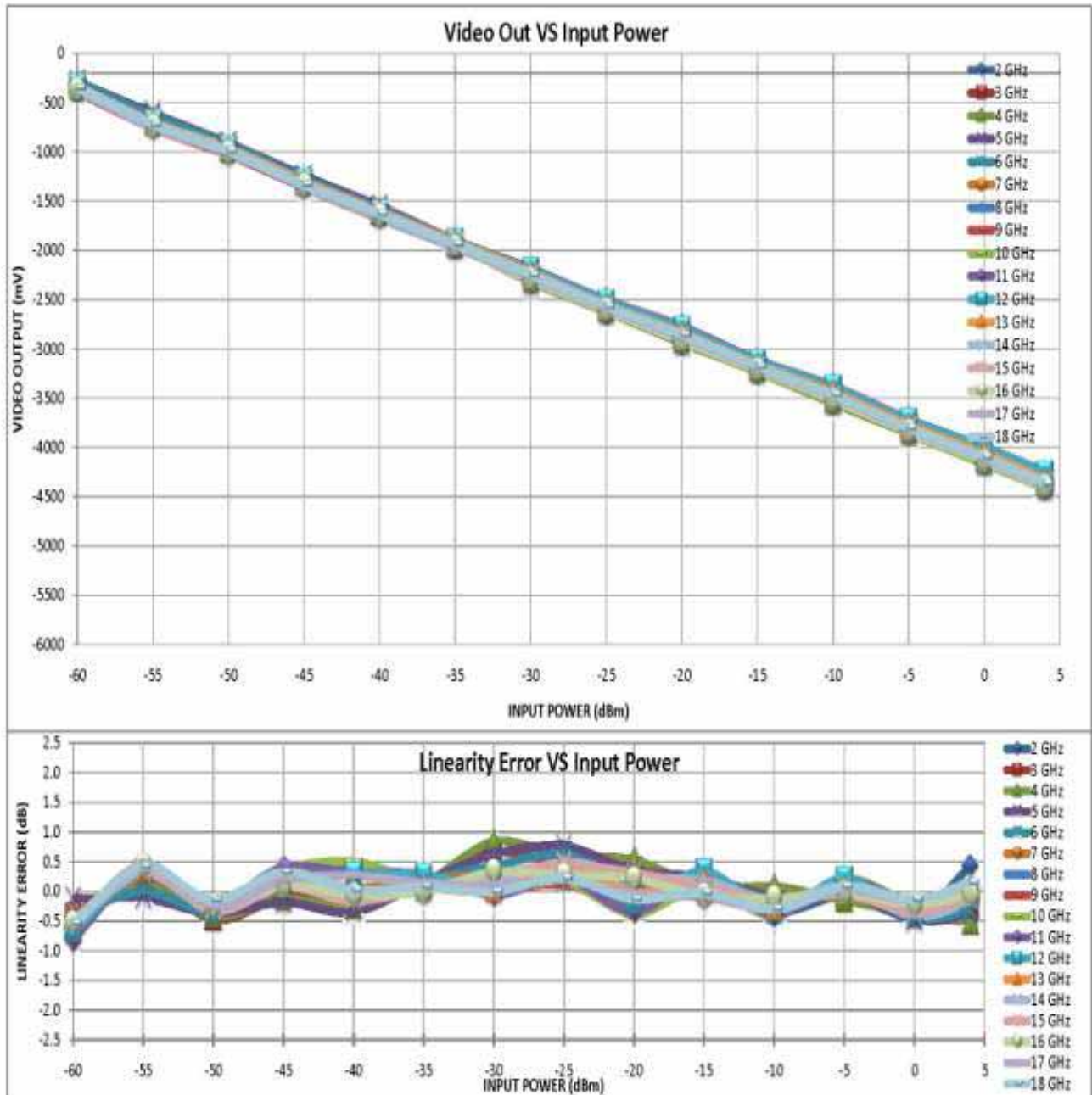




19.25 GHz	INTERCEPT (mV) -4044 SLOPE (mV/dB) -80.61	-73 -364 -745 -1020 -1352 -1657 -1942 -2239 -2545 -2822 -3150 -3424 -3761 -4047 -4391	NO RF 54 -24 4 -25 -27 -9 -2 -6 20 -5 24 -9 7 -4	NO RF -0.89 0.39 -0.97 0.40 0.44 0.14 0.94 0.09 -0.33 0.08 -0.40 0.15 -0.12 0.86	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
19.5 GHz	INTERCEPT (mV) -4041 SLOPE (mV/dB) -80.35	-85 -377 -740 -1014 -1350 -1647 -1935 -2231 -2542 -2816 -3145 -3410 -3753 -4026 -4333	NO RF 43 -19 8 -24 -28 -8 -1 -10 10 -19 19 -14 14 -1	NO RF -0.72 0.31 -0.16 0.48 0.33 0.11 0.82 0.16 -0.30 0.18 -0.32 0.23 -0.24 0.82	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
19.75 GHz	INTERCEPT (mV) -4031 SLOPE (mV/dB) -80.53	-87 -352 -724 -996 -1337 -1623 -1921 -2211 -2526 -2800 -3134 -3404 -3742 -4021 -4273	NO RF 47 -23 8 -30 -14 -9 4 -9 20 -11 21 -14 10 0	NO RF -0.77 0.37 -0.13 0.54 0.23 0.15 -0.86 0.15 -0.33 0.19 -0.35 0.23 -0.17 0.88	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
11 GHz	INTERCEPT (mV) -4009 SLOPE (mV/dB) -80.7	-78 -318 -694 -962 -1302 -1600 -1902 -2194 -2506 -2775 -3115 -3378 -3717 -3997 -4251	NO RF 50 -23 12 -24 -19 -17 4 -14 21 -16 24 -12 13 1	NO RF -0.82 0.37 -0.28 0.48 0.31 0.23 -0.86 0.23 -0.38 0.26 -0.40 0.19 -0.21 -0.82	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
11.25 GHz	INTERCEPT (mV) -4020 SLOPE (mV/dB) -80.73	-83 -334 -712 -984 -1328 -1618 -1912 -2207 -2523 -2795 -3131 -3399 -3736 -4015 -4270	NO RF 51 -23 8 -25 -18 -9 -1 -13 19 -13 22 -12 13 1	NO RF -0.83 0.38 -0.13 0.48 0.30 0.15 0.91 0.22 -0.31 0.22 -0.36 0.19 -0.22 -0.82	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
11.5 GHz	INTERCEPT (mV) -4023 SLOPE (mV/dB) -80.69	-82 -332 -703 -973 -1312 -1618 -1917 -2201 -2524 -2797 -3131 -3393 -3733 -4003 -4259	NO RF 50 -18 16 -21 -23 -18 2 -18 12 -18 23 -13 20 7	NO RF -0.82 0.39 -0.28 0.34 0.30 0.29 -0.83 0.30 -0.20 0.30 -0.38 0.22 -0.33 -0.12	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
11.75 GHz	INTERCEPT (mV) -4012 SLOPE (mV/dB) -80.75	-84 -333 -679 -961 -1301 -1596 -1900 -2182 -2512 -2794 -3124 -3381 -3719 -3994 -4251	NO RF 34 -9 14 -23 -14 -14 7 -19 12 -23 24 -11 18 4	NO RF -0.56 0.14 -0.23 0.37 0.23 0.23 -0.12 0.31 -0.21 0.38 -0.39 0.19 -0.29 -0.86	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
12 GHz	INTERCEPT (mV) -4023 SLOPE (mV/dB) -80.87	-84 -331 -694 -959 -1294 -1605 -1909 -2198 -2524 -2796 -3130 -3394 -3731 -4001 -4259	NO RF 40 -19 21 -11 -17 -17 -1 -23 10 -29 21 -13 22 8	NO RF -0.68 0.32 -0.34 0.18 0.28 0.28 0.81 0.37 -0.16 0.34 -0.34 0.21 -0.37 -0.13	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
12.25 GHz	INTERCEPT (mV) -4045 SLOPE (mV/dB) -81.36	-77 -317 -696 -965 -1298 -1605 -1910 -2202 -2534 -2808 -3141 -3408 -3746 -4027 -4285	NO RF 46 -20 11 -16 -15 -13 2 -23 9 -17 22 -8 18 5	NO RF -0.75 0.33 -0.19 0.28 0.25 0.21 -0.83 0.38 -0.14 0.28 -0.38 0.14 -0.30 -0.80	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
12.5 GHz	INTERCEPT (mV) -4064 SLOPE (mV/dB) -81.53	-74 -332 -703 -974 -1314 -1600 -1918 -2219 -2545 -2828 -3154 -3430 -3765 -4047 -4300	NO RF 40 -23 13 -19 -5 -8 -1 -20 6 -13 18 -9 17 3	NO RF -0.85 0.38 -0.22 0.31 0.80 0.13 0.81 0.32 -0.09 0.21 -0.38 0.15 -0.28 -0.84	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
12.75 GHz	INTERCEPT (mV) -4071 SLOPE (mV/dB) -81.5	-85 -328 -693 -960 -1301 -1582 -1919 -2213 -2552 -2836 -3158 -3436 -3770 -4058 -4313	NO RF 28 -17 17 -15 3 -5 1 -28 -2 -16 16 -8 21 6	NO RF -0.45 0.27 -0.27 0.24 -0.85 0.80 -0.82 0.48 0.94 0.26 -0.28 0.12 -0.34 -0.89	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
13 GHz	INTERCEPT (mV) -4082 SLOPE (mV/dB) -81.94	-80 -338 -697 -970 -1304 -1605 -1917 -2224 -2565 -2841 -3164 -3444 -3777 -4064 -4330	NO RF 29 -22 15 -9 -1 -3 -1 -28 1 -11 18 -5 17 8	NO RF -0.46 0.35 -0.24 0.15 0.81 0.85 0.81 0.44 -0.82 0.18 -0.29 0.88 -0.28 0.81	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
13.25 GHz	INTERCEPT (mV) -4102 SLOPE (mV/dB) -81.96	-76 -353 -718 -983 -1326 -1625 -1935 -2246 -2578 -2871 -3182 -3467 -3796 -4085 -4344	NO RF 32 -24 20 -12 -2 -2 -3 -24 -8 -18 15 -4 17 5	NO RF -0.51 0.39 -0.33 0.28 0.82 0.83 0.85 0.38 0.14 0.16 -0.25 0.87 -0.27 -0.89	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
13.5 GHz	INTERCEPT (mV) -4112 SLOPE (mV/dB) -82.97	-86 -359 -723 -986 -1328 -1626 -1934 -2258 -2583 -2878 -3187 -3481 -3805 -4097 -4358	NO RF 29 -25 13 -9 4 6 -8 -23 -8 -6 11 -3 15 3	NO RF -0.48 0.40 -0.26 0.14 -0.86 -0.89 0.12 0.36 0.12 0.89 -0.17 0.84 -0.24 -0.85	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
13.75 GHz	INTERCEPT (mV) -4124 SLOPE (mV/dB) -82.58	-79 -344 -703 -975 -1318 -1613 -1935 -2260 -2584 -2880 -3187 -3486 -3809 -4111 -4371	NO RF 25 -21 20 -10 7 -2 -14 -25 -8 -2 -12 2 12 3	NO RF -0.40 0.34 -0.32 0.17 -0.12 0.82 0.22 0.40 0.13 0.83 -0.19 -0.83 -0.26 -0.84	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
14 GHz	INTERCEPT (mV) -4119 SLOPE (mV/dB) -82.45	-77 -339 -703 -979 -1322 -1614 -1934 -2255 -2588 -2886 -3183 -3485 -3811 -4093 -4357	NO RF 33 -18 18 -13 7 -1 -10 -31 -16 -11 9 -4 26 11	NO RF -0.53 0.39 -0.28 0.21 -0.12 0.82 0.16 0.49 0.28 0.17 -0.15 0.87 -0.41 -0.18	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
14.25 GHz	INTERCEPT (mV) -4130 SLOPE (mV/dB) -82.74	-80 -343 -711 -985 -1318 -1623 -1940 -2269 -2587 -2891 -3202 -3501 -3822 -4122 -4380	NO RF 31 -23 15 -4 6 2 -13 -28 -18 -5 9 3 16 9	NO RF -0.48 0.37 -0.25 0.87 -0.89 -0.89 0.20 0.44 0.28 0.88 -0.15 -0.84 -0.26 -0.14	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
14.5 GHz	INTERCEPT (mV) -4150 SLOPE (mV/dB) -82.81	-89 -349 -723 -983 -1332 -1632 -1951 -2288 -2608 -2915 -3210 -3518 -3833 -4124 -4391	NO RF 42 -27 17 -8 5 1 -22 -26 -22 -2 -6 3 22 11		Measured Value (mV) Error (mV)



		NO RF	-0.86	0.43	-0.27	0.12	-0.88	-0.92	0.35	0.42	0.34	0.03	-0.18	-0.85	-0.35	-0.17	LINEARITY ERROR (dB)
14.75 GHz	INTERCEPT (mV)		-417														Measured Value (mV)
	SLOPE (mV/dB)		-82.84														Error (mV)
		NO RF	24	-20	21	-2	8	3	-21	-29	-19	-3	7	3	20	8	LINEARITY ERROR (dB)
		NO RF	-0.38	0.32	-0.33	0.03	-0.13	-0.85	0.33	0.46	0.21	0.04	-0.11	-0.84	-0.32	-0.13	
15 GHz	INTERCEPT (mV)		-416														Measured Value (mV)
	SLOPE (mV/dB)		-82.88														Error (mV)
		NO RF	30	-25	21	-5	11	-3	-18	-28	-20	-5	9	4	21	7	LINEARITY ERROR (dB)
		NO RF	-0.48	0.39	-0.33	0.07	-0.17	0.05	0.29	0.44	0.21	0.08	-0.15	-0.88	-0.34	-0.10	
15.25 GHz	INTERCEPT (mV)		-4161														Measured Value (mV)
	SLOPE (mV/dB)		-82.89														Error (mV)
		NO RF	39	-25	15	-10	8	2	-24	-25	-21	2	5	5	28	8	LINEARITY ERROR (dB)
		NO RF	-0.52	0.39	-0.23	0.15	-0.13	-0.03	0.38	0.39	0.23	-0.03	-0.88	-0.88	-0.21	-0.13	
15.5 GHz	INTERCEPT (mV)		-4177														Measured Value (mV)
	SLOPE (mV/dB)		-82.85														Error (mV)
		NO RF	34	-27	19	-9	5	4	-26	-18	-20	9	8	18	6	7	LINEARITY ERROR (dB)
		NO RF	-0.54	0.43	-0.30	0.15	-0.88	-0.88	0.42	0.28	0.21	-0.14	-0.18	-0.15	-0.10	-0.11	
15.75 GHz	INTERCEPT (mV)		-4157														Measured Value (mV)
	SLOPE (mV/dB)		-82.73														Error (mV)
		NO RF	39	-26	14	-6	2	2	-24	-22	-16	3	9	6	18	10	LINEARITY ERROR (dB)
		NO RF	-0.52	0.41	-0.22	0.18	-0.83	-0.84	0.38	0.35	0.26	-0.05	-0.14	-0.89	-0.16	-0.15	
16 GHz	INTERCEPT (mV)		-4150														Measured Value (mV)
	SLOPE (mV/dB)		-82.55														Error (mV)
		NO RF	33	-28	16	-6	4	0	-21	-17	-13	5	7	2	13	4	LINEARITY ERROR (dB)
		NO RF	-0.53	0.44	-0.25	0.09	-0.88	-0.81	0.33	0.27	0.21	-0.88	-0.11	-0.83	-0.21	-0.88	
16.25 GHz	INTERCEPT (mV)		-4159														Measured Value (mV)
	SLOPE (mV/dB)		-82.45														Error (mV)
		NO RF	48	-24	13	-12	-2	-2	-20	-15	-12	7	10	6	11	1	LINEARITY ERROR (dB)
		NO RF	-0.64	0.38	-0.20	0.28	0.04	0.03	0.33	0.24	0.20	-0.11	-0.18	-0.89	-0.18	-0.82	
16.5 GHz	INTERCEPT (mV)		-4143														Measured Value (mV)
	SLOPE (mV/dB)		-82.37														Error (mV)
		NO RF	34	-25	14	-9	-7	-2	-17	-13	-2	7	15	2	9	-5	LINEARITY ERROR (dB)
		NO RF	-0.55	0.40	-0.22	0.14	0.13	0.03	0.26	0.22	0.84	-0.12	-0.23	-0.84	-0.14	0.89	
16.75 GHz	INTERCEPT (mV)		-4139														Measured Value (mV)
	SLOPE (mV/dB)		-82.87														Error (mV)
		NO RF	36	-25	8	-11	-10	0	-8	-10	-3	6	12	1	10	-6	LINEARITY ERROR (dB)
		NO RF	-0.58	0.39	-0.13	0.18	0.10	0.01	0.13	0.16	0.05	-0.89	-0.28	-0.81	-0.18	0.10	
17 GHz	INTERCEPT (mV)		-4127														Measured Value (mV)
	SLOPE (mV/dB)		-81.9														Error (mV)
		NO RF	37	-28	17	-11	-16	-9	-6	-11	3	6	19	-1	9	-9	LINEARITY ERROR (dB)
		NO RF	-0.60	0.45	-0.27	0.18	0.25	0.14	0.89	0.18	-0.84	-0.19	-0.38	0.82	-0.15	0.14	
17.25 GHz	INTERCEPT (mV)		-4130														Measured Value (mV)
	SLOPE (mV/dB)		-81.87														Error (mV)
		NO RF	39	-25	8	-16	-11	-3	-8	-8	1	7	18	0	7	-8	LINEARITY ERROR (dB)
		NO RF	-0.63	0.40	-0.13	0.25	0.17	0.88	0.35	0.12	-0.01	-0.11	-0.28	0.81	-0.11	0.12	
17.5 GHz	INTERCEPT (mV)		-4119														Measured Value (mV)
	SLOPE (mV/dB)		-81.83														Error (mV)
		NO RF	38	-22	19	-16	-14	-7	-8	-12	3	3	22	0	7	-8	LINEARITY ERROR (dB)
		NO RF	-0.62	0.35	-0.17	0.25	0.22	0.11	0.88	0.19	-0.84	-0.85	-0.38	0.89	-0.11	0.13	
17.75 GHz	INTERCEPT (mV)		-4115														Measured Value (mV)
	SLOPE (mV/dB)		-81.98														Error (mV)
		NO RF	35	-29	15	-13	-15	-3	-3	-12	5	-4	21	-2	5	-9	LINEARITY ERROR (dB)
		NO RF	-0.56	0.47	-0.25	0.21	0.23	0.05	0.84	0.19	-0.88	-0.87	-0.34	0.84	-0.89	0.14	
18 GHz	INTERCEPT (mV)		-4107														Measured Value (mV)
	SLOPE (mV/dB)		-82.82														Error (mV)
	Max Slope (mV/dB)		-89.3														LINEARITY ERROR (dB)
	Min Slope (mV/dB)		-84.4														
	Average slope (mV/dB)		-82.21														
	Flatness (dB)			1.93	1.28	1.89	1.03	1.82	0.61	1.88	0.95	1.33	0.93	1.40	1.13	1.42	1.37





# 130 FOOT CABLE 99.1Ω Load 10.8 VDC @ +25°C DC OFFSET -52 mV

LOG TRANSFER WITH FREQUENCY @ 25 °C  
 MODEL: ERDLVA-218-CW-LPD  
 TESTED BY: P.Kuhn  
 SERIAL No.: PL9155/1126

Friday, July 01, 2011  
 3:21 PM



PLANAR MONOLITHICS INDUSTRIES  
 7311-F GROVE ROAD, FREDERICK, MD 21704 USA  
 TEL: 301-662-5019 FAX: 301-662-1731  
 URL: WWW.PMI-RF.COM  
 EMAIL: SALES@PMI-RF.COM

Frequency		-90	-80	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	4	RF Input Power (dBm)
2 GHz	INTERCEPT (mV)	-4116															Measured Value (mV)
	SLOPE (mV/dB)	-62.84															Error (mV)
		NO RF	-318	-683	-956	-1300	-1600	-1929	-2250	-2567	-2853	-3173	-3465	-3797	-4091	-4394	LINEARITY ERROR (dB)
	NO RF	-0.44	0.36	-0.29	0.17	-0.05	0.19	0.29	0.34	-0.11	-0.02	0.36	-0.09	-0.40	0.42		
2.25 GHz	INTERCEPT (mV)	-4114															Measured Value (mV)
	SLOPE (mV/dB)	-62.47															Error (mV)
		NO RF	-336	-692	-970	-1311	-1615	-1939	-2264	-2574	-2863	-3179	-3474	-3801	-4100	-4359	LINEARITY ERROR (dB)
	NO RF	-0.47	0.22	-0.32	0.14	0.00	0.19	0.39	0.35	-0.03	0.04	-0.23	-0.01	-0.22	-0.07		
2.5 GHz	INTERCEPT (mV)	-4122															Measured Value (mV)
	SLOPE (mV/dB)	-62.69															Error (mV)
		NO RF	-327	-691	-965	-1312	-1619	-1935	-2270	-2580	-2871	-3183	-3481	-3806	-4108	-4367	LINEARITY ERROR (dB)
	NO RF	-0.54	0.26	-0.37	0.17	0.06	0.11	0.45	0.40	0.04	0.02	-0.23	-0.05	-0.23	-0.09		
2.75 GHz	INTERCEPT (mV)	-4121															Measured Value (mV)
	SLOPE (mV/dB)	-62.8															Error (mV)
		NO RF	-327	-688	-962	-1306	-1613	-1933	-2256	-2566	-2854	-3170	-3483	-3810	-4115	-4372	LINEARITY ERROR (dB)
	NO RF	-0.42	0.32	-0.32	0.16	0.06	0.15	0.29	0.22	-0.18	-0.02	-0.17	0.04	-0.11	-0.02		
3 GHz	INTERCEPT (mV)	-4157															Measured Value (mV)
	SLOPE (mV/dB)	-63.22															Error (mV)
		NO RF	-334	-696	-967	-1308	-1621	-1962	-2301	-2606	-2914	-3210	-3520	-3833	-4139	-4388	LINEARITY ERROR (dB)
	NO RF	-0.47	0.26	-0.45	-0.05	-0.11	0.13	0.64	0.48	0.34	0.03	-0.06	-0.11	-0.28	-0.34		
3.25 GHz	INTERCEPT (mV)	-4166															Measured Value (mV)
	SLOPE (mV/dB)	-63.5															Error (mV)
		NO RF	-327	-685	-966	-1307	-1616	-1951	-2305	-2611	-2915	-3213	-3527	-3841	-4147	-4399	LINEARITY ERROR (dB)
	NO RF	-0.46	0.18	-0.39	-0.01	-0.16	0.12	0.69	0.52	0.31	-0.01	-0.06	-0.11	-0.29	-0.33		
3.5 GHz	INTERCEPT (mV)	-4175															Measured Value (mV)
	SLOPE (mV/dB)	-63.71															Error (mV)
		NO RF	-325	-682	-964	-1306	-1620	-1954	-2300	-2612	-2920	-3217	-3539	-3849	-4159	-4408	LINEARITY ERROR (dB)
	NO RF	-0.44	0.17	-0.41	0.04	-0.11	0.13	0.69	0.46	0.30	-0.05	0.01	-0.12	-0.26	-0.35		
3.75 GHz	INTERCEPT (mV)	-4187															Measured Value (mV)
	SLOPE (mV/dB)	-64.14															Error (mV)
		NO RF	-304	-673	-950	-1295	-1609	-1962	-2313	-2620	-2935	-3226	-3550	-3855	-4164	-4411	LINEARITY ERROR (dB)
	NO RF	-0.54	0.22	-0.47	-0.09	-0.19	0.16	0.78	0.57	0.48	0.02	0.08	-0.18	-0.35	-0.50		
4 GHz	INTERCEPT (mV)	-4188															Measured Value (mV)
	SLOPE (mV/dB)	-64.26															Error (mV)
		NO RF	-304	-661	-946	-1291	-1600	-1951	-2313	-2622	-2937	-3227	-3550	-3858	-4163	-4410	LINEARITY ERROR (dB)
	NO RF	-0.45	0.10	-0.46	-0.10	-0.28	0.18	0.81	0.63	0.53	0.04	0.07	-0.14	-0.39	-0.55		
4.25 GHz	INTERCEPT (mV)	-4174															Measured Value (mV)
	SLOPE (mV/dB)	-64.39															Error (mV)
		NO RF	-290	-631	-926	-1264	-1580	-1932	-2293	-2611	-2921	-3217	-3532	-3844	-4145	-4397	LINEARITY ERROR (dB)
	NO RF	-0.32	-0.02	-0.44	-0.19	-0.29	0.18	0.79	0.72	0.54	0.14	0.03	-0.13	-0.46	-0.54		
4.5 GHz	INTERCEPT (mV)	-4167															Measured Value (mV)
	SLOPE (mV/dB)	-64.37															Error (mV)
		NO RF	-282	-630	-919	-1262	-1571	-1923	-2288	-2604	-2914	-3212	-3527	-3839	-4137	-4389	LINEARITY ERROR (dB)
	NO RF	-0.36	0.05	-0.47	-0.13	-0.34	0.14	0.80	0.72	0.53	0.15	0.04	-0.10	-0.48	-0.55		
4.75 GHz	INTERCEPT (mV)	-4157															Measured Value (mV)
	SLOPE (mV/dB)	-64.26															Error (mV)
		NO RF	-291	-620	-910	-1251	-1570	-1919	-2276	-2599	-2903	-3205	-3516	-3830	-4126	-4382	LINEARITY ERROR (dB)
	NO RF	-0.17	-0.05	-0.53	-0.23	-0.26	0.17	0.72	0.75	0.49	0.18	0.01	-0.09	-0.48	-0.51		
5 GHz	INTERCEPT (mV)	-4139															Measured Value (mV)
	SLOPE (mV/dB)	-64.11															Error (mV)
		NO RF	-278	-603	-909	-1244	-1558	-1910	-2257	-2585	-2880	-3191	-3491	-3814	-4109	-4367	LINEARITY ERROR (dB)
	NO RF	-0.22	-0.16	-0.38	-0.15	-0.25	0.23	0.65	0.76	0.37	0.22	0.10	-0.07	-0.47	-0.43		
5.25 GHz	INTERCEPT (mV)	-4128															Measured Value (mV)
	SLOPE (mV/dB)	-63.9															Error (mV)
		NO RF	-266	-613	-909	-1252	-1557	-1904	-2250	-2578	-2871	-3184	-3481	-3807	-4096	-4355	LINEARITY ERROR (dB)
	NO RF	-0.43	-0.01	-0.37	0.00	-0.24	0.20	0.61	0.75	0.34	0.23	-0.12	-0.02	-0.49	-0.45		
5.5 GHz	INTERCEPT (mV)	-4128															Measured Value (mV)
	SLOPE (mV/dB)	-63.76															Error (mV)
		NO RF	-280	-624	-909	-1250	-1557	-1915	-2255	-2580	-2871	-3186	-3483	-3807	-4096	-4358	LINEARITY ERROR (dB)
	NO RF	-0.36	0.04	-0.49	-0.13	-0.16	0.30	0.63	0.72	0.29	0.23	-0.12	-0.04	-0.49	-0.39		



5.75 GHz	INTERCEPT (mV) -4117	-72 -296 -626 -821 -1260 -1568 -1912 -2248 -2575 -2861 -3181 -3478 -3881 -4960 -4348	Measured Value (mV)
	SLOPE (mV/dB) -63.41	NO RF 16 2 28 4 13 -14 -34 -43 -12 -15 7 -1 28 23	Error (mV)
		NO RF -0.26 -0.03 -0.41 -0.06 -0.26 0.22 0.54 0.87 0.18 0.23 -0.12 0.01 -0.43 -0.36	LINEARITY ERROR (dB)
6 GHz	INTERCEPT (mV) -4188	-78 -296 -641 -827 -1265 -1575 -1912 -2244 -2568 -2854 -3176 -3463 -3796 -4881 -4342	Measured Value (mV)
	SLOPE (mV/dB) -63.14	NO RF 24 -6 24 2 8 -14 -36 -39 -9 -14 9 -3 27 19	Error (mV)
		NO RF -0.38 0.09 -0.39 -0.04 -0.12 0.22 0.47 0.81 0.14 0.23 -0.15 0.05 -0.43 -0.31	LINEARITY ERROR (dB)
6.25 GHz	INTERCEPT (mV) -4187	-69 -295 -636 -842 -1275 -1583 -1920 -2247 -2569 -2855 -3179 -3466 -3795 -4881 -4343	Measured Value (mV)
	SLOPE (mV/dB) -62.99	NO RF 35 -11 18 -1 6 -16 -29 -35 -7 -10 12 -3 26 16	Error (mV)
		NO RF -0.55 0.17 -0.28 0.02 -0.09 0.25 0.48 0.58 0.10 0.16 -0.18 0.04 -0.41 -0.25	LINEARITY ERROR (dB)
6.5 GHz	INTERCEPT (mV) -4185	-78 -309 -669 -847 -1290 -1593 -1921 -2248 -2569 -2851 -3172 -3465 -3794 -4884 -4344	Measured Value (mV)
	SLOPE (mV/dB) -62.73	NO RF 33 -14 21 -8 3 -12 -26 -32 -1 -8 13 -3 21 12	Error (mV)
		NO RF -0.52 0.22 -0.34 0.12 -0.04 0.19 0.41 0.51 0.02 0.13 -0.20 0.05 -0.34 -0.19	LINEARITY ERROR (dB)
6.75 GHz	INTERCEPT (mV) -4181	-84 -317 -679 -858 -1299 -1608 -1924 -2248 -2568 -2849 -3171 -3462 -3791 -4888 -4342	Measured Value (mV)
	SLOPE (mV/dB) -62.49	NO RF 34 -15 26 -11 -7 -10 -23 -29 1 -8 14 -3 21 9	Error (mV)
		NO RF -0.54 0.24 -0.42 0.17 0.11 0.16 0.37 0.47 -0.02 0.12 -0.23 0.05 -0.37 -0.14	LINEARITY ERROR (dB)
7 GHz	INTERCEPT (mV) -4188	-89 -327 -689 -867 -1311 -1616 -1933 -2255 -2571 -2854 -3173 -3463 -3796 -4889 -4348	Measured Value (mV)
	SLOPE (mV/dB) -62.39	NO RF 36 -15 19 -13 -6 -10 -22 -24 4 -3 13 -2 17 6	Error (mV)
		NO RF -0.58 0.24 -0.31 0.21 0.09 0.17 0.35 0.39 -0.07 0.05 -0.21 0.04 -0.26 -0.10	LINEARITY ERROR (dB)
7.25 GHz	INTERCEPT (mV) -4111	-71 -336 -716 -888 -1333 -1636 -1946 -2271 -2578 -2867 -3188 -3476 -3803 -4895 -4352	Measured Value (mV)
	SLOPE (mV/dB) -62.12	NO RF 48 -22 19 -17 -10 -8 -23 -29 2 -1 14 -3 16 8	Error (mV)
		NO RF -0.77 0.35 -0.38 0.26 0.16 0.15 0.38 0.33 -0.02 0.02 -0.22 0.04 -0.26 -0.12	LINEARITY ERROR (dB)
7.5 GHz	INTERCEPT (mV) -4113	-84 -367 -734 -1090 -1543 -1653 -1963 -2274 -2583 -2872 -3185 -3482 -3807 -4181 -4356	Measured Value (mV)
	SLOPE (mV/dB) -61.82	NO RF 38 -21 22 -12 -13 -13 -17 -16 5 1 13 -3 12 4	Error (mV)
		NO RF -0.61 0.34 -0.38 0.19 0.21 0.22 0.28 0.25 -0.08 -0.02 -0.21 0.04 -0.19 -0.06	LINEARITY ERROR (dB)
7.75 GHz	INTERCEPT (mV) -4114	-79 -377 -749 -1025 -1362 -1665 -1965 -2288 -2586 -2874 -3188 -3484 -3808 -4186 -4361	Measured Value (mV)
	SLOPE (mV/dB) -61.58	NO RF 43 -22 11 -18 -13 -8 -12 -11 9 2 14 -2 8 -1	Error (mV)
		NO RF -0.69 0.35 -0.18 0.30 0.22 0.19 0.21 0.18 -0.14 -0.04 -0.23 0.03 -0.13 0.01	LINEARITY ERROR (dB)
8 GHz	INTERCEPT (mV) -4189	-78 -383 -756 -1027 -1362 -1675 -1968 -2281 -2583 -2875 -3184 -3483 -3805 -4899 -4353	Measured Value (mV)
	SLOPE (mV/dB) -61.37	NO RF 43 -22 13 -14 -21 -7 -13 -8 6 4 12 -3 9 1	Error (mV)
		NO RF -0.79 0.37 -0.22 0.23 0.24 0.11 0.21 0.14 -0.18 -0.07 -0.19 0.06 -0.15 -0.02	LINEARITY ERROR (dB)
8.25 GHz	INTERCEPT (mV) -4181	-89 -391 -759 -1032 -1368 -1678 -1966 -2278 -2578 -2867 -3188 -3478 -3802 -4892 -4347	Measured Value (mV)
	SLOPE (mV/dB) -61.16	NO RF 41 -22 11 -19 -15 -8 -12 -6 11 4 13 -7 9 -1	Error (mV)
		NO RF -0.67 0.36 -0.18 0.31 0.25 0.09 0.29 0.11 -0.17 -0.06 -0.21 0.11 -0.15 0.02	LINEARITY ERROR (dB)
8.5 GHz	INTERCEPT (mV) -4093	-81 -397 -768 -1044 -1368 -1668 -1968 -2276 -2578 -2883 -3178 -3471 -3797 -4887 -4344	Measured Value (mV)
	SLOPE (mV/dB) -60.94	NO RF 43 -23 5 -12 -22 -5 -9 -6 14 4 15 -7 8 -5	Error (mV)
		NO RF -0.79 0.37 -0.08 0.20 0.57 0.08 0.14 0.19 -0.23 -0.06 -0.25 0.11 -0.13 0.08	LINEARITY ERROR (dB)
8.75 GHz	INTERCEPT (mV) -4087	-89 -404 -764 -1042 -1366 -1678 -1963 -2268 -2576 -2857 -3173 -3463 -3792 -4889 -4338	Measured Value (mV)
	SLOPE (mV/dB) -60.79	NO RF 37 -19 5 -14 -23 -3 -2 -8 15 2 16 -8 8 -7	Error (mV)
		NO RF -0.68 0.32 -0.09 0.23 0.38 0.05 0.03 0.18 -0.24 -0.04 -0.27 0.13 -0.13 0.12	LINEARITY ERROR (dB)
9 GHz	INTERCEPT (mV) -4075	-71 -396 -760 -1031 -1357 -1667 -1956 -2257 -2562 -2843 -3166 -3449 -3780 -4867 -4326	Measured Value (mV)
	SLOPE (mV/dB) -60.7	NO RF 37 -24 9 -14 -20 -6 -3 -4 18 -2 19 -8 8 -8	Error (mV)
		NO RF -0.61 0.39 -0.14 0.23 0.34 0.18 0.05 0.07 -0.29 0.03 -0.32 0.14 -0.13 0.14	LINEARITY ERROR (dB)
9.25 GHz	INTERCEPT (mV) -4067	-82 -373 -753 -1028 -1360 -1665 -1949 -2249 -2558 -2836 -3160 -3442 -3774 -4854 -4311	Measured Value (mV)
	SLOPE (mV/dB) -60.67	NO RF 53 -23 5 -23 -25 -8 -3 -8 17 -4 18 -11 13 -2	Error (mV)
		NO RF -0.88 0.39 -0.02 0.38 0.42 0.19 0.05 0.14 -0.29 0.06 -0.29 0.13 -0.21 0.03	LINEARITY ERROR (dB)
9.5 GHz	INTERCEPT (mV) -4070	-78 -402 -770 -1046 -1371 -1673 -1966 -2261 -2561 -2844 -3155 -3447 -3778 -4864 -4317	Measured Value (mV)
	SLOPE (mV/dB) -60.4	NO RF 42 -23 4 -19 -21 -5 -3 -1 18 -2 19 -10 6 -5	Error (mV)
		NO RF -0.79 0.38 -0.04 0.31 0.35 0.08 0.05 0.02 -0.29 0.02 -0.31 0.17 -0.18 0.09	LINEARITY ERROR (dB)
9.75 GHz	INTERCEPT (mV) -4059	-78 -388 -762 -1038 -1367 -1665 -1952 -2244 -2558 -2831 -3157 -3434 -3768 -4851 -4308	Measured Value (mV)
	SLOPE (mV/dB) -60.38	NO RF 48 -24 2 -25 -22 -8 3 -1 20 -4 21 -12 8 -6	Error (mV)
		NO RF -0.79 0.41 -0.02 0.42 0.36 0.18 -0.06 0.02 -0.34 0.06 -0.35 0.19 -0.13 0.14	LINEARITY ERROR (dB)
10 GHz	INTERCEPT (mV) -4044	-74 -378 -744 -1014 -1352 -1653 -1945 -2233 -2541 -2813 -3143 -3418 -3753 -4835 -4292	Measured Value (mV)
	SLOPE (mV/dB) -60.38	NO RF 45 -21 11 -25 -25 -14 0 -8 23 -5 24 -11 9 -6	Error (mV)
		NO RF -0.75 0.34 -0.19 0.41 0.41 0.23 0.09 0.18 -0.38 0.06 -0.48 0.19 -0.15 0.18	LINEARITY ERROR (dB)

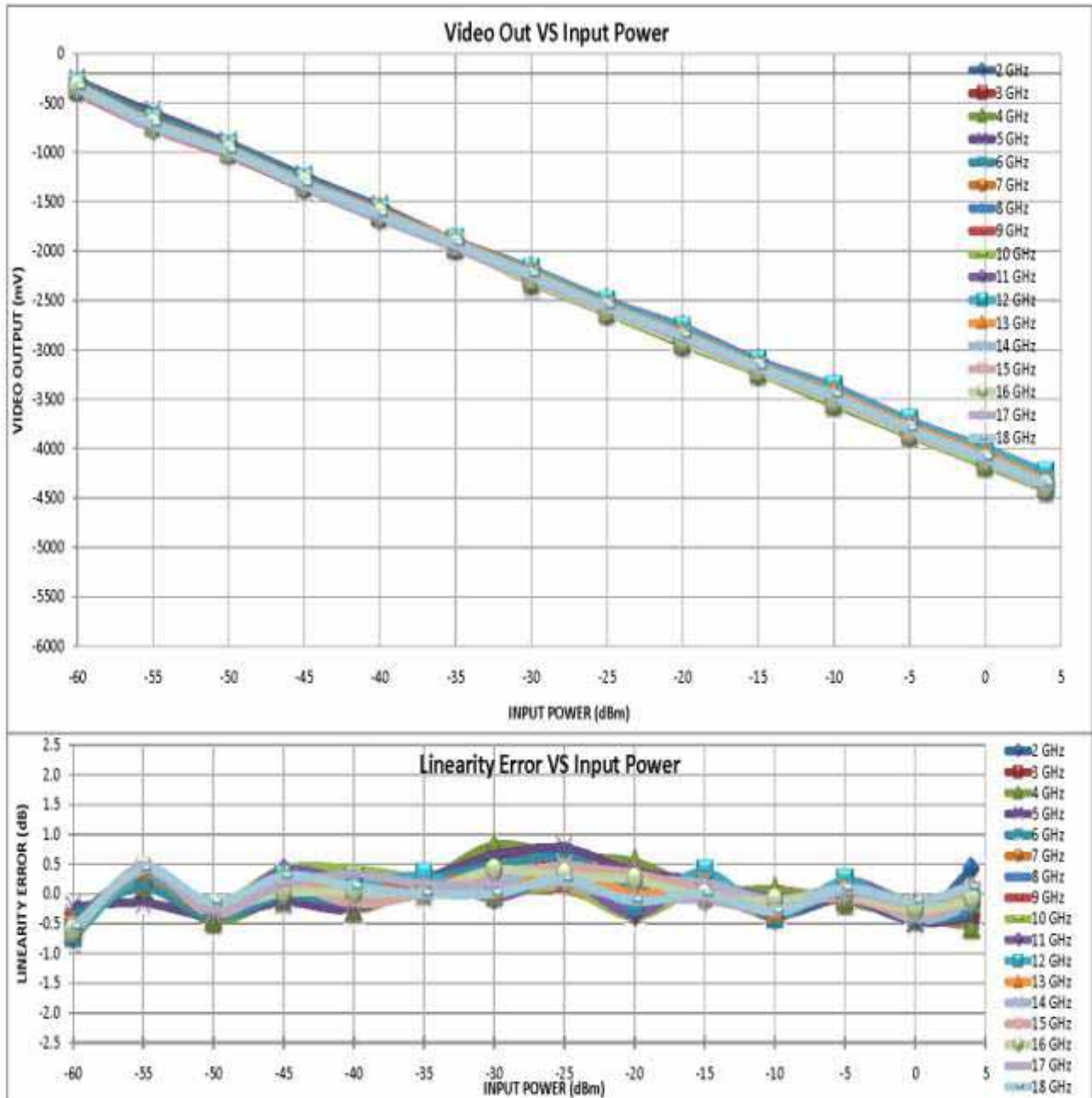


10.25 GHz	INTERCEPT (mV) <b>-4051</b> SLOPE (mV/dB) <b>-69.45</b>	-75 -378 -745 -1023 -1352 -1657 -1942 -2228 -2543 -2821 -3150 -3422 -3759 -4044 -4369 NO RF 46 -29 5 -22 -25 -7 -2 -4 21 -6 24 -10 8 -8 NO RF -8.78 0.34 -8.87 8.37 8.41 8.12 8.84 8.87 -8.34 8.89 -8.40 8.17 -8.13 8.18	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
10.5 GHz	INTERCEPT (mV) <b>-4048</b> SLOPE (mV/dB) <b>-69.37</b>	-73 -374 -745 -1016 -1345 -1645 -1943 -2231 -2542 -2816 -3143 -3415 -3751 -4026 -4283 NO RF 47 -23 8 -19 -18 -14 -1 -11 18 -8 21 -13 14 -1 NO RF -8.78 0.38 -8.14 8.32 8.29 8.23 8.81 8.17 -8.29 8.13 -8.95 8.21 -8.32 8.82	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
10.75 GHz	INTERCEPT (mV) <b>-4029</b> SLOPE (mV/dB) <b>-69.53</b>	-83 -358 -722 -996 -1333 -1623 -1923 -2218 -2528 -2798 -3134 -3482 -3738 -4018 -4273 NO RF 48 -22 7 -28 -15 -12 4 -18 21 -12 22 -12 11 -2 NO RF -8.79 0.38 -8.12 8.46 8.25 8.28 -8.96 8.17 -8.35 8.28 -8.38 8.19 -8.19 8.83	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
11 GHz	INTERCEPT (mV) <b>-4008</b> SLOPE (mV/dB) <b>-69.66</b>	-88 -326 -695 -961 -1302 -1595 -1901 -2184 -2587 -2774 -3113 -3377 -3718 -3987 -4258 NO RF 43 -23 14 -24 -13 -16 4 -16 21 -15 24 -13 11 1 NO RF -8.71 0.37 -8.24 8.38 8.22 8.27 -8.97 8.28 -8.34 8.25 -8.48 8.21 -8.19 -8.81	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
11.25 GHz	INTERCEPT (mV) <b>-4024</b> SLOPE (mV/dB) <b>-69.72</b>	-88 -327 -718 -982 -1317 -1618 -1919 -2204 -2523 -2796 -3131 -3387 -3738 -4015 -4278 NO RF 47 -21 18 -21 -19 -16 3 -13 18 -14 24 -11 13 1 NO RF -8.78 0.35 -8.16 8.35 8.31 8.28 -8.84 8.21 -8.38 8.23 -8.38 8.19 -8.21 -8.81	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
11.5 GHz	INTERCEPT (mV) <b>-4022</b> SLOPE (mV/dB) <b>-69.83</b>	-75 -324 -704 -971 -1318 -1614 -1928 -2199 -2523 -2795 -3138 -3383 -3731 -4083 -4258 NO RF 47 -19 17 -19 -19 -22 3 -18 14 -18 22 -13 19 7 NO RF -8.78 0.32 -8.28 8.31 8.32 8.38 -8.85 8.38 -8.22 8.29 -8.98 8.21 -8.31 -8.11	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
11.75 GHz	INTERCEPT (mV) <b>-4011</b> SLOPE (mV/dB) <b>-69.73</b>	-72 -326 -682 -962 -1299 -1592 -1903 -2188 -2512 -2784 -3121 -3378 -3718 -3994 -4249 NO RF 44 -14 18 -23 -12 -19 7 -28 12 -21 25 -12 17 6 NO RF -8.72 0.23 -8.17 8.38 8.28 8.31 -8.12 8.33 -8.19 8.35 -8.41 8.19 -8.28 -8.86	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
12 GHz	INTERCEPT (mV) <b>-4023</b> SLOPE (mV/dB) <b>-69.9</b>	-72 -327 -690 -962 -1300 -1598 -1909 -2195 -2523 -2796 -3131 -3382 -3731 -4082 -4258 NO RF 42 -17 18 -17 -12 -18 1 -23 9 -22 22 -12 21 8 NO RF -8.89 0.28 -8.27 8.28 8.28 8.28 -8.82 8.37 -8.16 8.36 -8.36 8.28 -8.24 -8.14	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
12.25 GHz	INTERCEPT (mV) <b>-4043</b> SLOPE (mV/dB) <b>-69.37</b>	-82 -318 -688 -959 -1301 -1602 -1907 -2203 -2538 -2808 -3141 -3407 -3745 -4028 -4284 NO RF 43 -20 16 -19 -13 -12 0 -21 7 -18 23 -8 18 5 NO RF -8.79 0.32 -8.27 8.32 8.22 8.19 8.81 8.34 -8.12 8.29 -8.37 8.14 -8.29 -8.88	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
12.5 GHz	INTERCEPT (mV) <b>-4062</b> SLOPE (mV/dB) <b>-69.5</b>	-78 -328 -700 -975 -1317 -1602 -1917 -2214 -2543 -2825 -3152 -3428 -3784 -4047 -4367 NO RF 36 -21 12 -22 0 -8 3 -19 6 -13 19 -10 15 1 NO RF -8.58 0.34 -8.18 8.38 8.81 8.13 -8.85 8.38 -8.18 8.28 -8.31 8.16 -8.25 -8.81	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
12.75 GHz	INTERCEPT (mV) <b>-4071</b> SLOPE (mV/dB) <b>-69.86</b>	-74 -321 -694 -956 -1298 -1598 -1909 -2213 -2548 -2833 -3158 -3436 -3788 -4048 -4314 NO RF 32 -21 17 -13 3 -6 8 -27 -1 -16 15 -8 23 5 NO RF -8.52 0.34 -8.27 8.22 -8.94 8.18 8.81 8.44 8.82 8.26 -8.24 8.13 -8.37 -8.88	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
13 GHz	INTERCEPT (mV) <b>-4089</b> SLOPE (mV/dB) <b>-69.88</b>	-78 -325 -694 -968 -1307 -1600 -1913 -2224 -2558 -2841 -3183 -3442 -3777 -4082 -4328 NO RF 36 -23 13 -16 1 -2 -3 -27 0 -12 18 -6 19 2 NO RF -8.58 0.37 -8.21 8.28 -8.81 8.83 8.85 8.43 8.88 8.19 -8.38 8.18 -8.38 -8.83	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
13.25 GHz	INTERCEPT (mV) <b>-4181</b> SLOPE (mV/dB) <b>-62.83</b>	-73 -342 -713 -984 -1323 -1624 -1932 -2248 -2574 -2868 -3198 -3488 -3793 -4083 -4343 NO RF 37 -23 18 -13 -4 -2 -8 -24 -7 -18 13 -2 18 6 NO RF -8.88 0.37 -8.26 8.22 8.86 8.83 8.89 8.38 8.12 8.15 -8.21 8.84 -8.38 -8.18	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
13.5 GHz	INTERCEPT (mV) <b>-4112</b> SLOPE (mV/dB) <b>-62.19</b>	-84 -348 -714 -989 -1327 -1619 -1928 -2258 -2581 -2879 -3188 -3479 -3804 -4085 -4355 NO RF 31 -23 13 -14 6 9 -12 -24 -11 -7 11 -3 17 6 NO RF -8.58 0.38 -8.21 8.22 -8.89 -8.14 8.19 8.38 8.17 8.11 -8.17 8.84 -8.27 -8.18	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
13.75 GHz	INTERCEPT (mV) <b>-4122</b> SLOPE (mV/dB) <b>-62.58</b>	-78 -325 -706 -976 -1315 -1616 -1934 -2256 -2583 -2878 -3188 -3485 -3807 -4110 -4368 NO RF 32 -25 17 -9 3 -2 -11 -25 -7 -2 12 2 12 4 NO RF -8.52 0.41 -8.27 8.14 -8.84 8.84 8.18 8.48 8.12 8.84 -8.19 -8.83 -8.19 -8.87	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
14 GHz	INTERCEPT (mV) <b>-4116</b> SLOPE (mV/dB) <b>-62.48</b>	-74 -322 -704 -975 -1311 -1614 -1929 -2255 -2584 -2883 -3198 -3485 -3808 -4089 -4354 NO RF 36 -24 18 -6 3 1 -13 -38 -16 -11 7 -4 27 12 NO RF -8.58 0.38 -8.28 8.88 -8.85 -8.81 8.21 8.48 8.26 8.18 -8.11 8.87 -8.43 -8.28	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
14.25 GHz	INTERCEPT (mV) <b>-4134</b> SLOPE (mV/dB) <b>-62.81</b>	-81 -324 -708 -979 -1318 -1615 -1933 -2272 -2594 -2898 -3199 -3487 -3818 -4119 -4378 NO RF 34 -26 18 -8 9 3 -20 -28 -28 -5 11 3 18 9 NO RF -8.54 8.41 -8.29 8.12 -8.15 -8.85 8.31 8.44 8.31 8.88 -8.18 -8.85 -8.28 -8.14	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
14.5 GHz	INTERCEPT (mV) <b>-4148</b> SLOPE (mV/dB) <b>-62.77</b>	-81 -325 -718 -982 -1330 -1625 -1948 -2289 -2605 -2914 -3208 -3516 -3832 -4129 -4389 NO RF 31 -22 17 -7 12 3 -23 -28 -22 -1 5 3 19 11 NO RF -8.58 0.38 -8.28 8.88 -8.85 -8.81 8.21 8.48 8.26 8.18 -8.11 8.87 -8.43 -8.28	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)





			NO RF	-6.49	0.35	-0.28	0.11	-0.19	-0.05	0.37	0.41	0.34	0.02	-0.08	-0.05	-0.31	-0.17	LINEARITY ERROR (dB)
14.75 GHz	INTERCEPT (mV)	-4146	-74	-340	-708	-675	-1323	-1625	-1947	-2289	-2601	-2969	-3283	-3610	-3929	-4125	-4389	Measured Value (mV)
	SLOPE (mV/dB)	-62.92	NO RF	32	-22	26	-8	4	-3	-22	-28	-21	-1	7	3	22	9	Error (mV)
			NO RF	-6.51	0.35	-0.41	0.12	-0.07	0.04	0.34	0.44	0.34	0.01	-0.12	-0.05	-0.34	-0.15	LINEARITY ERROR (dB)
15 GHz	INTERCEPT (mV)	-4145	-71	-337	-713	-679	-1324	-1619	-1944	-2288	-2608	-2968	-3283	-3586	-3926	-4123	-4398	Measured Value (mV)
	SLOPE (mV/dB)	-62.86	NO RF	35	-27	21	-8	11	0	-22	-27	-21	-3	18	4	22	7	Error (mV)
			NO RF	-6.56	0.42	-0.34	0.15	-0.17	0.01	0.34	0.44	0.33	0.06	-0.15	-0.07	-0.35	-0.11	LINEARITY ERROR (dB)
15.25 GHz	INTERCEPT (mV)	-4160	-85	-353	-729	-693	-1337	-1635	-1956	-2289	-2611	-2933	-3215	-3527	-3841	-4141	-4483	Measured Value (mV)
	SLOPE (mV/dB)	-62.93	NO RF	32	-21	21	-8	8	1	-26	-24	-22	1	4	5	19	9	Error (mV)
			NO RF	-6.51	0.34	-0.33	0.13	-0.12	-0.02	0.41	0.39	0.35	-0.02	-0.07	-0.08	-0.31	-0.15	LINEARITY ERROR (dB)
15.5 GHz	INTERCEPT (mV)	-4175	-83	-372	-747	-1929	-1354	-1659	-1974	-2314	-2622	-2938	-3223	-3539	-3852	-4188	-4421	Measured Value (mV)
	SLOPE (mV/dB)	-62.81	NO RF	34	-26	14	-6	4	2	-24	-17	-19	9	8	9	7	5	Error (mV)
			NO RF	-6.55	0.42	-0.23	0.09	-0.06	-0.03	0.37	0.37	0.31	-0.15	-0.12	-0.15	-0.11	-0.08	LINEARITY ERROR (dB)
15.75 GHz	INTERCEPT (mV)	-4155	-78	-360	-729	-1801	-1330	-1641	-1954	-2295	-2607	-2916	-3211	-3518	-3836	-4147	-4398	Measured Value (mV)
	SLOPE (mV/dB)	-62.73	NO RF	31	-24	14	-5	4	5	-23	-20	-16	3	18	6	7	8	Error (mV)
			NO RF	-6.50	0.39	-0.22	0.08	-0.07	-0.08	0.36	0.32	0.25	-0.05	-0.15	-0.09	-0.12	-0.12	LINEARITY ERROR (dB)
16 GHz	INTERCEPT (mV)	-4156	-76	-355	-736	-1808	-1326	-1648	-1965	-2309	-2608	-2916	-3212	-3521	-3841	-4139	-4489	Measured Value (mV)
	SLOPE (mV/dB)	-62.69	NO RF	40	-28	14	-1	-1	-3	-25	-19	-14	3	8	1	17	7	Error (mV)
			NO RF	-6.44	0.44	-0.22	0.02	0.02	0.04	0.39	0.30	0.23	-0.05	-0.13	-0.02	-0.27	-0.11	LINEARITY ERROR (dB)
16.25 GHz	INTERCEPT (mV)	-4158	-86	-377	-759	-1825	-1356	-1667	-1973	-2388	-2612	-2921	-3213	-3524	-3841	-4146	-4487	Measured Value (mV)
	SLOPE (mV/dB)	-62.4	NO RF	36	-24	13	-6	-4	0	-21	-14	-11	8	18	5	11	8	Error (mV)
			NO RF	-6.58	0.39	-0.20	0.10	0.09	0.00	0.33	0.23	0.18	-0.13	-0.15	-0.07	-0.10	0.00	LINEARITY ERROR (dB)
16.5 GHz	INTERCEPT (mV)	-4144	-88	-368	-737	-1812	-1347	-1653	-1956	-2287	-2598	-2906	-3200	-3505	-3828	-4134	-4399	Measured Value (mV)
	SLOPE (mV/dB)	-62.42	NO RF	39	-27	11	-12	-6	1	-16	-14	-5	7	14	4	10	-5	Error (mV)
			NO RF	-6.82	0.42	-0.17	0.19	0.19	-0.02	0.25	0.23	0.08	-0.12	-0.23	-0.07	-0.15	0.09	LINEARITY ERROR (dB)
16.75 GHz	INTERCEPT (mV)	-4138	-86	-375	-745	-1820	-1358	-1661	-1961	-2284	-2595	-2897	-3201	-3503	-3827	-4127	-4383	Measured Value (mV)
	SLOPE (mV/dB)	-62.12	NO RF	35	-24	11	-16	-8	3	-10	-11	-2	5	13	0	10	-7	Error (mV)
			NO RF	-6.58	0.39	-0.18	0.25	0.13	-0.04	0.16	0.17	0.03	-0.08	-0.22	0.09	-0.17	0.10	LINEARITY ERROR (dB)
17 GHz	INTERCEPT (mV)	-4126	-87	-374	-750	-1812	-1351	-1668	-1970	-2277	-2587	-2883	-3191	-3490	-3817	-4117	-4382	Measured Value (mV)
	SLOPE (mV/dB)	-61.9	NO RF	38	-28	19	-10	-19	-10	-8	-9	5	6	17	-1	9	-8	Error (mV)
			NO RF	-6.81	0.46	-0.30	0.16	0.31	0.17	0.13	0.14	-0.07	-0.10	-0.28	0.01	-0.14	0.13	LINEARITY ERROR (dB)
17.25 GHz	INTERCEPT (mV)	-4128	-74	-381	-751	-1830	-1357	-1664	-1963	-2288	-2591	-2888	-3192	-3493	-3821	-4124	-4386	Measured Value (mV)
	SLOPE (mV/dB)	-61.81	NO RF	29	-23	7	-11	-9	1	-6	-6	3	9	17	-2	4	-11	Error (mV)
			NO RF	-6.46	0.37	-0.12	0.10	0.15	-0.02	0.10	0.14	-0.05	-0.14	-0.27	0.03	-0.06	0.17	LINEARITY ERROR (dB)
17.5 GHz	INTERCEPT (mV)	-4117	-77	-367	-744	-1813	-1351	-1658	-1956	-2279	-2584	-2878	-3187	-3479	-3819	-4110	-4371	Measured Value (mV)
	SLOPE (mV/dB)	-61.83	NO RF	40	-27	12	-16	-12	-3	-7	-12	3	3	20	-2	7	-7	Error (mV)
			NO RF	-6.44	0.44	-0.19	0.26	0.19	0.05	0.12	0.28	-0.05	-0.05	-0.33	0.03	-0.12	0.11	LINEARITY ERROR (dB)
17.75 GHz	INTERCEPT (mV)	-4114	-80	-355	-731	-1802	-1335	-1648	-1949	-2255	-2576	-2888	-3182	-3474	-3805	-4108	-4369	Measured Value (mV)
	SLOPE (mV/dB)	-62.01	NO RF	38	-28	12	-12	-14	-6	-2	-12	6	-2	20	-1	6	-9	Error (mV)
			NO RF	-6.81	0.45	-0.19	0.19	0.23	0.10	0.03	0.20	-0.09	-0.03	-0.32	0.02	-0.10	0.12	LINEARITY ERROR (dB)
18 GHz	INTERCEPT (mV)	-4106	-78	-344	-718	-892	-1330	-1629	-1932	-2243	-2569	-2896	-3174	-3467	-3801	-4098	-4362	Measured Value (mV)
	SLOPE (mV/dB)	-62.11	NO RF	35	-26	9	-18	-7	0	0	-15	8	0	18	-5	3	-7	Error (mV)
	Max Slope (mV/dB)	-69.3	NO RF	-6.57	0.41	-0.14	0.20	0.12	-0.01	0.09	0.24	-0.12	-0.01	-0.29	0.09	-0.13	0.11	LINEARITY ERROR (dB)
	Min Slope (mV/dB)	-64.4																
	Average slope (mV/dB)	-62.22																
	Flatness :dB		1.51	1.35	1.10	1.01	0.99	0.58	1.07	0.92	1.32	0.91	1.39	1.13	1.40	1.39		





## 7 FOOT CABLE 99.1Ω Load 12VDC @ -54°C DC OFFSET 64 mV

LOG TRANSFER WITH FREQUENCY @ -54°C  
 MODEL: ERDLVA-218-CW-LPD  
 TESTED BY: P.Kuhn  
 SERIAL No.: PL9155/1126

Friday, July 01, 2011  
 4:44 PM



PLANAR MONOLITHICS INDUSTRIES  
 7311-F GROVE ROAD, FREDERICK, MD 21704 USA  
 TEL: 301-662-5019 FAX: 301-662-1731  
 URL: WWW.PMI-RF.COM  
 EMAIL: SALES@PMI-RF.COM

Frequency			-90	-60	-55	-50	-45	-40	-36	-30	-25	-20	-15	-10	-5	0	4	RF Input Power (dBm)	
2 GHz	INTERCEPT (mV)	-4996	#####															Measured Value (mV)	
	SLOPE (mV/dB)	-75.56	#####															Error (mV)	
			NO RF	50	-22	6	8	-39	-36	-33	19	-3	50	3	30	-17	-15		LINEARITY ERROR (dB)
			NO RF	-0.66	0.29	-0.07	-0.11	0.52	0.48	0.44	-0.26	0.04	-0.66	-0.03	-0.40	0.22	0.20		
2.25 GHz	INTERCEPT (mV)	-4999	#####															Measured Value (mV)	
	SLOPE (mV/dB)	-75.07	#####															Error (mV)	
			NO RF	27	-20	6	6	-19	-18	43	33	8	33	9	9	-41	10		LINEARITY ERROR (dB)
			NO RF	-0.36	0.26	-0.06	-0.08	0.25	0.24	0.57	-0.43	-0.11	-0.44	-0.12	-0.12	0.54	-0.13		
2.5 GHz	INTERCEPT (mV)	-5015	#####															Measured Value (mV)	
	SLOPE (mV/dB)	-75.17	#####															Error (mV)	
			NO RF	26	-9	17	18	-32	-31	55	21	-3	48	-1	25	-25	1		LINEARITY ERROR (dB)
			NO RF	-0.34	0.12	-0.22	-0.23	0.42	0.41	0.73	-0.28	0.04	-0.64	0.02	-0.33	0.33	-0.01		
2.75 GHz	INTERCEPT (mV)	-5011	#####															Measured Value (mV)	
	SLOPE (mV/dB)	-75.45	#####															Error (mV)	
			NO RF	26	-29	23	0	-22	-20	43	35	12	39	-9	19	-29	-2		LINEARITY ERROR (dB)
			NO RF	-0.35	0.39	-0.31	-0.01	0.30	0.27	0.57	-0.46	-0.16	-0.52	0.11	-0.25	0.39	0.03		
3 GHz	INTERCEPT (mV)	-5030	#####															Measured Value (mV)	
	SLOPE (mV/dB)	-75.76	#####															Error (mV)	
			NO RF	30	-19	34	13	-33	-29	50	29	-18	36	-10	19	-27	26		LINEARITY ERROR (dB)
			NO RF	-0.39	0.26	-0.45	-0.18	0.43	0.38	0.66	-0.38	0.23	-0.46	0.13	-0.25	0.36	-0.34		
3.25 GHz	INTERCEPT (mV)	-5044	#####															Measured Value (mV)	
	SLOPE (mV/dB)	-75.96	#####															Error (mV)	
			NO RF	37	1	31	11	-34	-30	-75	5	-15	39	5	24	-21	33		LINEARITY ERROR (dB)
			NO RF	-0.49	-0.02	-0.41	-0.14	0.45	0.39	0.99	-0.06	0.20	-0.52	0.08	-0.32	0.28	-0.43		
3.5 GHz	INTERCEPT (mV)	-5040	#####															Measured Value (mV)	
	SLOPE (mV/dB)	-76.07	#####															Error (mV)	
			NO RF	41	-1	30	10	-35	-29	-74	7	-13	42	-27	28	-17	38		LINEARITY ERROR (dB)
			NO RF	-0.54	0.01	-0.39	-0.13	0.45	0.38	0.97	-0.09	0.17	-0.56	0.36	-0.37	0.22	-0.49		
3.75 GHz	INTERCEPT (mV)	-5064	#####															Measured Value (mV)	
	SLOPE (mV/dB)	-76.51	#####															Error (mV)	
			NO RF	29	-9	24	31	-11	-29	-71	11	-31	26	-16	17	-26	55		LINEARITY ERROR (dB)
			NO RF	-0.38	0.12	-0.31	-0.41	0.15	0.38	0.93	-0.15	0.41	-0.35	0.21	-0.22	0.34	-0.72		
4 GHz	INTERCEPT (mV)	-5074	#####															Measured Value (mV)	
	SLOPE (mV/dB)	-77	#####															Error (mV)	
			NO RF	64	-26	34	19	-21	-36	-76	9	-31	29	-35	24	-16	67		LINEARITY ERROR (dB)
			NO RF	-0.83	0.34	-0.44	-0.24	0.28	0.47	0.99	-0.11	0.41	-0.37	0.47	0.31	0.21	-0.87		
4.25 GHz	INTERCEPT (mV)	-5066	#####															Measured Value (mV)	
	SLOPE (mV/dB)	-77.08	#####															Error (mV)	
			NO RF	39	-13	47	32	-7	47	-86	-1	40	20	-20	16	1	80		LINEARITY ERROR (dB)
			NO RF	-0.50	0.17	-0.61	-0.42	0.09	0.61	1.12	0.01	0.53	-0.26	0.25	-0.20	-0.02	-0.77		
4.5 GHz	INTERCEPT (mV)	-5058	#####															Measured Value (mV)	
	SLOPE (mV/dB)	-77.09	#####															Error (mV)	
			NO RF	47	-22	38	24	-16	-30	-70	9	-24	12	-28	33	-7	51		LINEARITY ERROR (dB)
			NO RF	-0.61	0.29	-0.50	-0.31	0.20	0.39	0.90	0.12	0.31	-0.15	0.36	-0.42	0.09	-0.67		
4.75 GHz	INTERCEPT (mV)	-5047	#####															Measured Value (mV)	
	SLOPE (mV/dB)	-77.19	#####															Error (mV)	
			NO RF	46	-13	48	9	-5	-45	-84	2	-37	24	-15	21	7	41		LINEARITY ERROR (dB)
			NO RF	-0.60	0.17	-0.62	-0.11	0.07	0.58	1.08	-0.03	0.47	-0.31	0.19	-0.27	-0.09	-0.53		
5 GHz	INTERCEPT (mV)	-5020	#####															Measured Value (mV)	
	SLOPE (mV/dB)	-76.81	#####															Error (mV)	
			NO RF	47	-19	40	24	-17	-33	-74	-15	-31	28	-13	21	5	37		LINEARITY ERROR (dB)
			NO RF	-0.61	0.25	-0.52	-0.31	0.22	0.43	0.96	0.20	0.40	-0.37	0.17	-0.28	-0.07	-0.49		
5.25 GHz	INTERCEPT (mV)	-5013	#####															Measured Value (mV)	
	SLOPE (mV/dB)	-76.86	#####															Error (mV)	
			NO RF	61	-30	30	14	-2	-42	-83	1	-14	20	-21	38	-2	30		LINEARITY ERROR (dB)
			NO RF	-0.79	0.39	-0.39	-0.18	0.02	0.55	1.08	-0.02	0.19	-0.26	0.27	-0.50	0.03	-0.39		
5.5 GHz	INTERCEPT (mV)	-5016	#####															Measured Value (mV)	
	SLOPE (mV/dB)	-76.89	#####															Error (mV)	
			NO RF	31	-16	42	25	-16	-33	-74	9	-32	26	-15	18	1	33		LINEARITY ERROR (dB)
			NO RF	-0.41	0.21	-0.55	-0.33	0.21	0.43	0.97	-0.12	0.42	-0.34	0.20	-0.24	-0.02	-0.43		

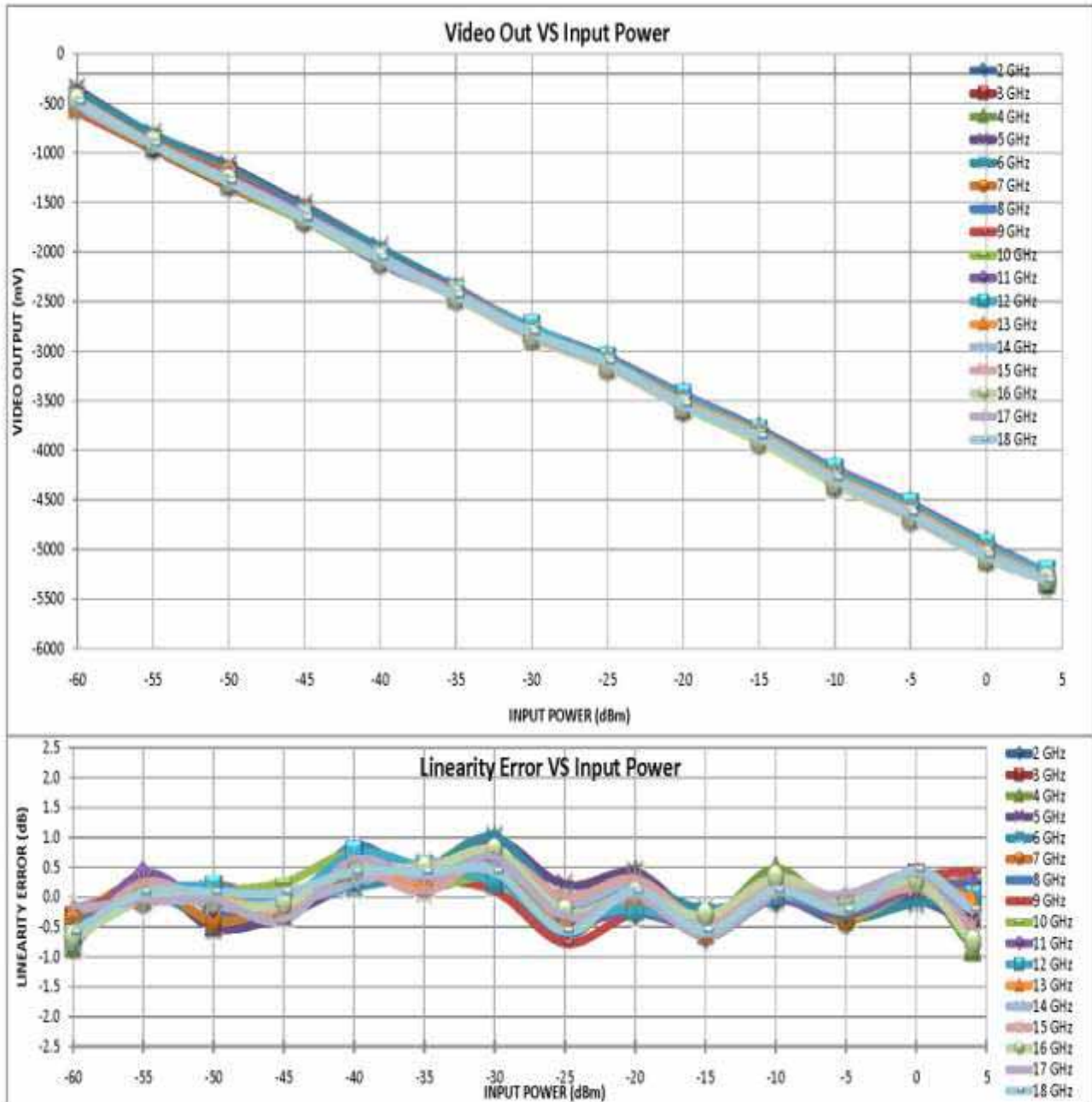


5.75 GHz	INTERCEPT (mV)	-5014	Measured Value (mV)	
	SLOPE (mV/dB)	-76.63	Error (mV)	
			LINEARITY ERROR (dB)	
6 GHz	INTERCEPT (mV)	-4998	Measured Value (mV)	
	SLOPE (mV/dB)	-76.13	Error (mV)	
			LINEARITY ERROR (dB)	
6.25 GHz	INTERCEPT (mV)	-5002	Measured Value (mV)	
	SLOPE (mV/dB)	-75.82	Error (mV)	
			LINEARITY ERROR (dB)	
6.5 GHz	INTERCEPT (mV)	-5009	Measured Value (mV)	
	SLOPE (mV/dB)	-75.93	Error (mV)	
			LINEARITY ERROR (dB)	
6.75 GHz	INTERCEPT (mV)	-4999	Measured Value (mV)	
	SLOPE (mV/dB)	-75.19	Error (mV)	
			LINEARITY ERROR (dB)	
7 GHz	INTERCEPT (mV)	-4995	Measured Value (mV)	
	SLOPE (mV/dB)	-74.99	Error (mV)	
			LINEARITY ERROR (dB)	
7.25 GHz	INTERCEPT (mV)	-5002	Measured Value (mV)	
	SLOPE (mV/dB)	-74.66	Error (mV)	
			LINEARITY ERROR (dB)	
7.5 GHz	INTERCEPT (mV)	-5009	Measured Value (mV)	
	SLOPE (mV/dB)	-74.46	Error (mV)	
			LINEARITY ERROR (dB)	
7.75 GHz	INTERCEPT (mV)	-5016	Measured Value (mV)	
	SLOPE (mV/dB)	-74.25	Error (mV)	
			LINEARITY ERROR (dB)	
8 GHz	INTERCEPT (mV)	-5014	Measured Value (mV)	
	SLOPE (mV/dB)	-74.85	Error (mV)	
			LINEARITY ERROR (dB)	
8.25 GHz	INTERCEPT (mV)	-5001	Measured Value (mV)	
	SLOPE (mV/dB)	-73.64	Error (mV)	
			LINEARITY ERROR (dB)	
8.5 GHz	INTERCEPT (mV)	-4998	Measured Value (mV)	
	SLOPE (mV/dB)	-73.19	Error (mV)	
			LINEARITY ERROR (dB)	
8.75 GHz	INTERCEPT (mV)	-4989	Measured Value (mV)	
	SLOPE (mV/dB)	-73.22	Error (mV)	
			LINEARITY ERROR (dB)	
9 GHz	INTERCEPT (mV)	-4967	Measured Value (mV)	
	SLOPE (mV/dB)	-72.83	Error (mV)	
			LINEARITY ERROR (dB)	
9.25 GHz	INTERCEPT (mV)	-4961	Measured Value (mV)	
	SLOPE (mV/dB)	-73.64	Error (mV)	
			LINEARITY ERROR (dB)	
9.5 GHz	INTERCEPT (mV)	-4973	Measured Value (mV)	
	SLOPE (mV/dB)	-72.62	Error (mV)	
			LINEARITY ERROR (dB)	
9.75 GHz	INTERCEPT (mV)	-4955	Measured Value (mV)	
	SLOPE (mV/dB)	-72.52	Error (mV)	
			LINEARITY ERROR (dB)	
10 GHz	INTERCEPT (mV)	-4954	Measured Value (mV)	
	SLOPE (mV/dB)	-72.93	Error (mV)	
			LINEARITY ERROR (dB)	





			NO RF	-0.62	-0.01	-0.07	-0.13	0.14	0.41	0.89	-0.03	0.57	-0.47	0.13	-0.26	0.34	-0.09	LINEARITY ERROR (dB)
14.75 GHz	INTERCEPT (mV)	-5069	#####	-490	-890	-1240	-1640	-2040	-2440	-2840	-3165	-3565	-3990	-4315	-4665	-5090	-5315	Measured Value (mV)
	SLOPE (mV/dB)	-75.78	NO RF	22	1	30	9	-12	-33	-54	0	-21	33	-13	16	-30	48	Error (mV)
			NO RF	-0.30	-0.02	-0.48	-0.12	0.15	0.43	0.71	0.00	0.27	-0.44	0.17	-0.21	0.39	-0.04	LINEARITY ERROR (dB)
15 GHz	INTERCEPT (mV)	-5054	#####	-465	-915	-1265	-1640	-2065	-2415	-2840	-3165	-3565	-3990	-4315	-4665	-5065	-5315	Measured Value (mV)
	SLOPE (mV/dB)	-75.57	NO RF	55	-17	10	13	-34	-6	-53	0	-22	30	-17	11	-11	41	Error (mV)
			NO RF	-0.72	0.23	-0.14	-0.18	0.45	0.08	0.70	0.00	0.30	-0.40	0.22	-0.15	0.15	-0.55	LINEARITY ERROR (dB)
15.25 GHz	INTERCEPT (mV)	-5068	#####	-512	-915	-1290	-1665	-2065	-2465	-2865	-3165	-3590	-3915	-4315	-4690	-5090	-5315	Measured Value (mV)
	SLOPE (mV/dB)	-75.38	NO RF	34	8	10	11	-12	-35	-50	19	-30	22	-1	1	-22	54	Error (mV)
			NO RF	-0.45	-0.10	-0.13	-0.15	0.16	0.46	0.77	-0.25	0.39	-0.29	0.01	-0.01	0.30	-0.72	LINEARITY ERROR (dB)
15.5 GHz	INTERCEPT (mV)	-5082	#####	-515	-940	-1315	-1665	-2090	-2465	-2865	-3190	-3590	-3915	-4340	-4690	-5115	-5340	Measured Value (mV)
	SLOPE (mV/dB)	-75.42	NO RF	42	-6	-4	23	-25	-23	-46	6	-16	36	-12	15	-33	44	Error (mV)
			NO RF	-0.55	0.08	0.05	-0.21	0.33	0.30	0.61	-0.09	0.22	-0.47	0.16	-0.20	0.44	-0.50	LINEARITY ERROR (dB)
15.75 GHz	INTERCEPT (mV)	-5065	#####	-524	-915	-1290	-1640	-2065	-2465	-2865	-3165	-3565	-3990	-4340	-4665	-5115	-5315	Measured Value (mV)
	SLOPE (mV/dB)	-75.30	NO RF	18	5	7	33	-15	-30	-61	16	-7	45	-28	23	-50	52	Error (mV)
			NO RF	-0.24	-0.06	-0.09	-0.44	0.20	0.50	0.81	-0.21	0.10	-0.59	0.38	-0.31	0.06	-0.60	LINEARITY ERROR (dB)
16 GHz	INTERCEPT (mV)	-5071	#####	-490	-915	-1290	-1665	-2090	-2465	-2865	-3165	-3565	-3915	-4340	-4690	-5090	-5315	Measured Value (mV)
	SLOPE (mV/dB)	-75.47	NO RF	52	5	7	10	-30	-36	-50	19	-4	24	-24	4	-18	50	Error (mV)
			NO RF	-0.70	-0.00	-0.10	-0.13	0.50	0.47	0.77	-0.25	0.05	-0.32	0.32	-0.05	0.25	-0.77	LINEARITY ERROR (dB)
16.25 GHz	INTERCEPT (mV)	-5072	#####	-515	-915	-1315	-1665	-2090	-2465	-2865	-3165	-3590	-3915	-4315	-4690	-5090	-5340	Measured Value (mV)
	SLOPE (mV/dB)	-75.33	NO RF	38	14	-0	10	-21	-29	-53	24	-34	27	4	6	-18	34	Error (mV)
			NO RF	-0.50	-0.10	0.12	-0.23	0.41	0.39	0.70	-0.32	0.32	-0.38	-0.05	-0.07	0.24	-0.45	LINEARITY ERROR (dB)
16.5 GHz	INTERCEPT (mV)	-5051	#####	-528	-915	-1290	-1665	-2065	-2440	-2840	-3140	-3565	-3990	-4315	-4665	-5090	-5315	Measured Value (mV)
	SLOPE (mV/dB)	-75.11	NO RF	17	5	6	6	-18	-18	-42	33	-16	34	-15	11	-30	37	Error (mV)
			NO RF	-0.23	-0.07	-0.07	-0.08	0.24	0.24	0.56	-0.44	0.21	-0.40	0.20	-0.14	0.52	-0.40	LINEARITY ERROR (dB)
16.75 GHz	INTERCEPT (mV)	-5052	#####	-515	-915	-1315	-1665	-2090	-2440	-2840	-3140	-3565	-3990	-4315	-4665	-5090	-5315	Measured Value (mV)
	SLOPE (mV/dB)	-75.03	NO RF	35	10	-15	10	-40	-14	-30	36	-14	36	-14	11	-30	37	Error (mV)
			NO RF	-0.46	-0.13	0.20	-0.14	0.53	0.19	0.52	-0.40	0.19	-0.40	0.10	-0.15	0.51	-0.40	LINEARITY ERROR (dB)
17 GHz	INTERCEPT (mV)	-5036	#####	-534	-915	-1290	-1640	-2090	-2440	-2840	-3140	-3540	-3865	-4290	-4665	-5065	-5315	Measured Value (mV)
	SLOPE (mV/dB)	-74.81	NO RF	14	7	6	30	-46	-22	-48	26	0	49	-2	-3	-20	20	Error (mV)
			NO RF	-0.10	-0.05	-0.00	-0.40	0.62	0.30	0.84	-0.35	0.00	-0.65	0.03	0.04	0.30	-0.27	LINEARITY ERROR (dB)
17.25 GHz	INTERCEPT (mV)	-5045	#####	-557	-940	-1290	-1665	-2090	-2465	-2840	-3140	-3565	-3865	-4315	-4665	-5090	-5315	Measured Value (mV)
	SLOPE (mV/dB)	-74.67	NO RF	7	-2	21	19	-32	-34	-35	38	-14	60	-17	6	-45	20	Error (mV)
			NO RF	-0.10	0.03	-0.20	-0.20	0.43	0.45	0.40	-0.51	0.10	-0.30	0.23	-0.00	0.01	-0.30	LINEARITY ERROR (dB)
17.5 GHz	INTERCEPT (mV)	-5029	#####	-542	-940	-1315	-1665	-2090	-2465	-2840	-3140	-3540	-3865	-4290	-4640	-5065	-5315	Measured Value (mV)
	SLOPE (mV/dB)	-74.33	NO RF	27	1	-3	19	-34	-30	-41	31	2	49	-5	17	-36	11	Error (mV)
			NO RF	-0.37	-0.01	0.04	-0.25	0.46	0.51	0.55	-0.41	-0.03	-0.08	0.06	-0.23	0.40	-0.15	LINEARITY ERROR (dB)
17.75 GHz	INTERCEPT (mV)	-5033	#####	-490	-940	-1290	-1665	-2090	-2440	-2840	-3140	-3540	-3865	-4290	-4640	-5065	-5315	Measured Value (mV)
	SLOPE (mV/dB)	-74.76	NO RF	50	-10	5	4	-47	-23	-49	24	-2	47	-4	20	-32	17	Error (mV)
			NO RF	-0.77	0.25	-0.07	-0.06	0.63	0.31	0.60	-0.33	0.02	-0.63	0.06	-0.20	0.42	-0.23	LINEARITY ERROR (dB)
18 GHz	INTERCEPT (mV)	-5031	#####	-490	-915	-1290	-1665	-2065	-2440	-2815	-3115	-3540	-3865	-4290	-4640	-5065	-5315	Measured Value (mV)
	SLOPE (mV/dB)	-74.94	NO RF	45	-5	-6	-5	-31	-32	-32	43	-3	42	-3	16	-34	16	Error (mV)
	Max Slope (mV/dB)	-72.8	NO RF	-0.00	0.07	0.08	0.08	0.42	0.42	0.43	-0.57	0.10	-0.50	0.11	-0.22	0.45	-0.21	LINEARITY ERROR (dB)
	Mn Slope (mV/dB)	-77.3																
	Average slope (mV/dB)	-74.82																
	Flatness :dB			1.00	1.17	1.34	1.17	1.17	0.67	0.67	0.84	1.00	0.84	1.00	1.00	1.17	0.67	





# 130 FOOT CABLE 99.1Ω Load 12VDC @ -54°C DC OFFSET 54 mV

LOG TRANSFER WITH FREQUENCY @ -54°C  
 MODEL: ERDLVA-218-CW-LPD  
 TESTED BY: P.Kuhn  
 SERIAL No.: PL91551126

Friday, July 01, 2011  
 4:51 PM



PLANAR MONOLITHICS INDUSTRIES  
 7311-F GROVE ROAD, FREDERICK, MD 21704 USA  
 TEL: 301-662-5019 FAX: 301-662-1731  
 URL: WWW.PMI-RF.COM  
 EMAIL: SALES@PMI-RF.COM

Frequency		-90	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	4	RF Input Power (dBm)
2 GHz	INTERCEPT (mV)	#####															Measured Value (mV)
	SLOPE (mV/dB)	#####															Error (mV)
		NO RF	25	-25	10	-6	-22	-12	-28	32	16	26	10	19	-21	-24	LINEARITY ERROR (dB)
		NO RF	-0.40	0.40	-0.15	0.10	0.35	0.20	0.45	-0.51	-0.26	-0.41	-0.16	-0.31	0.34	0.38	
2.25 GHz	INTERCEPT (mV)	#####															Measured Value (mV)
	SLOPE (mV/dB)	#####															Error (mV)
		NO RF	28	-13	21	5	-36	-27	-43	41	0	34	-7	2	-14	8	LINEARITY ERROR (dB)
		NO RF	-0.45	0.21	-0.34	-0.08	0.58	0.44	0.70	-0.66	0.00	-0.55	0.11	-0.04	0.22	-0.14	
2.5 GHz	INTERCEPT (mV)	#####															Measured Value (mV)
	SLOPE (mV/dB)	#####															Error (mV)
		NO RF	22	-11	24	9	-32	-22	-37	22	-18	42	1	11	-30	18	LINEARITY ERROR (dB)
		NO RF	-0.36	0.17	-0.39	-0.14	0.51	0.35	0.60	-0.36	0.29	-0.67	-0.02	-0.18	0.48	-0.29	
2.75 GHz	INTERCEPT (mV)	#####															Measured Value (mV)
	SLOPE (mV/dB)	#####															Error (mV)
		NO RF	20	-20	15	0	-15	-30	-20	40	0	35	-5	5	-35	13	LINEARITY ERROR (dB)
		NO RF	-0.32	0.32	-0.24	0.00	0.24	0.49	0.33	-0.64	0.00	-0.56	0.09	-0.07	0.57	-0.20	
3 GHz	INTERCEPT (mV)	#####															Measured Value (mV)
	SLOPE (mV/dB)	#####															Error (mV)
		NO RF	26	-12	24	10	-29	-18	-57	30	-9	27	-12	24	-14	10	LINEARITY ERROR (dB)
		NO RF	-0.42	0.20	-0.38	-0.16	0.46	0.28	0.91	-0.48	0.15	-0.43	0.19	-0.39	0.23	-0.15	
3.25 GHz	INTERCEPT (mV)	#####															Measured Value (mV)
	SLOPE (mV/dB)	#####															Error (mV)
		NO RF	36	-14	23	11	-27	-15	-53	10	-28	34	-3	9	-4	21	LINEARITY ERROR (dB)
		NO RF	-0.58	0.22	-0.37	-0.17	0.43	0.24	0.84	-0.16	0.45	-0.55	0.06	-0.14	0.06	-0.33	
3.5 GHz	INTERCEPT (mV)	#####															Measured Value (mV)
	SLOPE (mV/dB)	#####															Error (mV)
		NO RF	32	-15	23	11	-26	-13	-49	14	-23	40	-21	17	-20	31	LINEARITY ERROR (dB)
		NO RF	-0.51	0.25	-0.36	-0.18	0.41	0.20	0.79	-0.22	0.37	-0.64	0.34	-0.27	0.32	-0.49	
3.75 GHz	INTERCEPT (mV)	#####															Measured Value (mV)
	SLOPE (mV/dB)	#####															Error (mV)
		NO RF	25	-1	14	29	-7	-42	-52	13	-23	17	-18	22	-14	38	LINEARITY ERROR (dB)
		NO RF	-0.40	0.02	-0.22	-0.45	0.11	0.67	0.83	-0.20	0.36	-0.27	0.29	-0.34	0.22	-0.61	
4 GHz	INTERCEPT (mV)	#####															Measured Value (mV)
	SLOPE (mV/dB)	#####															Error (mV)
		NO RF	49	-10	31	23	-11	-45	-79	-12	-21	20	-14	28	-6	47	LINEARITY ERROR (dB)
		NO RF	-0.77	0.16	-0.50	-0.36	0.18	0.71	1.24	0.20	0.33	-0.32	0.22	-0.44	0.10	-0.74	
4.25 GHz	INTERCEPT (mV)	#####															Measured Value (mV)
	SLOPE (mV/dB)	#####															Error (mV)
		NO RF	30	-4	38	6	-2	-34	-67	1	-32	11	3	20	-12	42	LINEARITY ERROR (dB)
		NO RF	-0.47	0.06	-0.61	-0.09	0.03	0.54	1.05	-0.01	0.50	-0.17	-0.05	-0.32	0.19	-0.66	
4.5 GHz	INTERCEPT (mV)	#####															Measured Value (mV)
	SLOPE (mV/dB)	#####															Error (mV)
		NO RF	28	-8	33	24	-10	-18	-77	-11	-19	22	-12	4	-4	49	LINEARITY ERROR (dB)
		NO RF	-0.45	0.13	-0.52	-0.38	0.15	0.29	1.22	0.17	0.31	-0.34	0.19	-0.07	0.07	-0.77	
4.75 GHz	INTERCEPT (mV)	#####															Measured Value (mV)
	SLOPE (mV/dB)	#####															Error (mV)
		NO RF	41	-11	30	21	-12	-21	-80	-14	-22	19	-15	26	-8	45	LINEARITY ERROR (dB)
		NO RF	-0.66	0.18	-0.48	-0.34	0.20	0.33	1.26	0.22	0.36	-0.30	0.24	-0.41	0.12	-0.72	
5 GHz	INTERCEPT (mV)	#####															Measured Value (mV)
	SLOPE (mV/dB)	#####															Error (mV)
		NO RF	25	-7	35	27	-7	-40	-73	-7	-15	27	-7	10	2	30	LINEARITY ERROR (dB)
		NO RF	-0.39	0.11	-0.55	-0.42	0.11	0.63	1.16	0.11	0.24	-0.42	0.10	-0.16	-0.03	-0.47	
5.25 GHz	INTERCEPT (mV)	#####															Measured Value (mV)
	SLOPE (mV/dB)	#####															Error (mV)
		NO RF	28	-10	32	23	-10	-19	-77	-11	-19	22	-11	30	-3	25	LINEARITY ERROR (dB)
		NO RF	-0.45	0.16	-0.50	-0.37	0.16	0.30	1.22	0.17	0.30	-0.35	0.18	-0.48	0.05	-0.40	
5.5 GHz	INTERCEPT (mV)	#####															Measured Value (mV)
	SLOPE (mV/dB)	#####															Error (mV)
		NO RF	29	-21	45	10	0	-34	-69	-3	-13	28	-7	9	-1	26	LINEARITY ERROR (dB)
		NO RF	-0.46	0.33	-0.71	-0.16	-0.01	0.54	1.09	0.05	0.20	-0.44	0.11	-0.14	0.01	-0.42	





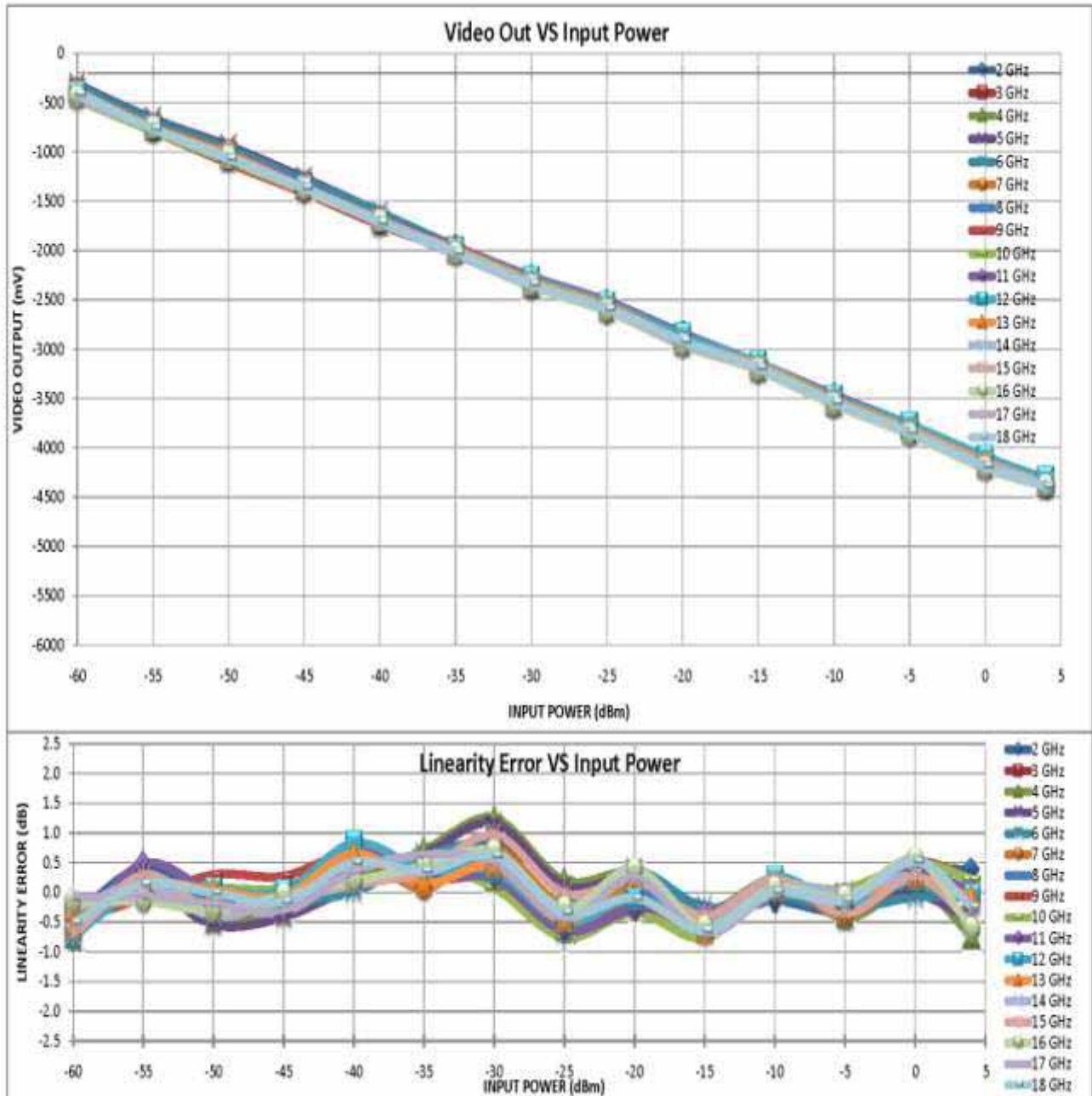
5.75 GHz	INTERCEPT (mV)	-4133	Measured Value (mV)	
	SLOPE (mV/dB)	-62.83	Error (mV)	
			LINEARITY ERROR (dB)	
6 GHz	INTERCEPT (mV)	-4129	Measured Value (mV)	
	SLOPE (mV/dB)	-62.63	Error (mV)	
			LINEARITY ERROR (dB)	
6.25 GHz	INTERCEPT (mV)	-4129	Measured Value (mV)	
	SLOPE (mV/dB)	-62.3	Error (mV)	
			LINEARITY ERROR (dB)	
6.5 GHz	INTERCEPT (mV)	-4127	Measured Value (mV)	
	SLOPE (mV/dB)	-62.37	Error (mV)	
			LINEARITY ERROR (dB)	
6.75 GHz	INTERCEPT (mV)	-4127	Measured Value (mV)	
	SLOPE (mV/dB)	-62.29	Error (mV)	
			LINEARITY ERROR (dB)	
7 GHz	INTERCEPT (mV)	-4123	Measured Value (mV)	
	SLOPE (mV/dB)	-61.76	Error (mV)	
			LINEARITY ERROR (dB)	
7.25 GHz	INTERCEPT (mV)	-4125	Measured Value (mV)	
	SLOPE (mV/dB)	-61.52	Error (mV)	
			LINEARITY ERROR (dB)	
7.5 GHz	INTERCEPT (mV)	-4135	Measured Value (mV)	
	SLOPE (mV/dB)	-61.4	Error (mV)	
			LINEARITY ERROR (dB)	
7.75 GHz	INTERCEPT (mV)	-4133	Measured Value (mV)	
	SLOPE (mV/dB)	-60.84	Error (mV)	
			LINEARITY ERROR (dB)	
8 GHz	INTERCEPT (mV)	-4132	Measured Value (mV)	
	SLOPE (mV/dB)	-60.77	Error (mV)	
			LINEARITY ERROR (dB)	
8.25 GHz	INTERCEPT (mV)	-4121	Measured Value (mV)	
	SLOPE (mV/dB)	-60.57	Error (mV)	
			LINEARITY ERROR (dB)	
8.5 GHz	INTERCEPT (mV)	-4119	Measured Value (mV)	
	SLOPE (mV/dB)	-60.27	Error (mV)	
			LINEARITY ERROR (dB)	
8.75 GHz	INTERCEPT (mV)	-4113	Measured Value (mV)	
	SLOPE (mV/dB)	-60.85	Error (mV)	
			LINEARITY ERROR (dB)	
9 GHz	INTERCEPT (mV)	-4111	Measured Value (mV)	
	SLOPE (mV/dB)	-60.27	Error (mV)	
			LINEARITY ERROR (dB)	
9.25 GHz	INTERCEPT (mV)	-4105	Measured Value (mV)	
	SLOPE (mV/dB)	-60.14	Error (mV)	
			LINEARITY ERROR (dB)	
9.5 GHz	INTERCEPT (mV)	-4107	Measured Value (mV)	
	SLOPE (mV/dB)	-60	Error (mV)	
			LINEARITY ERROR (dB)	
9.75 GHz	INTERCEPT (mV)	-4102	Measured Value (mV)	
	SLOPE (mV/dB)	-59.83	Error (mV)	
			LINEARITY ERROR (dB)	
10 GHz	INTERCEPT (mV)	-4087	Measured Value (mV)	
	SLOPE (mV/dB)	-60.87	Error (mV)	
			LINEARITY ERROR (dB)	



10.25 GHz	INTERCEPT (mV) <b>-4097</b> SLOPE (mV/dB) <b>-68.02</b>	##### -465 -790 -1090 -1415 -1740 -2015 -2315 -2585 -2890 -3165 -3490 -3790 -4115 -4340 NO RF 30 5 6 -19 -44 -19 -19 31 6 31 6 7 -18 -3 NO RF <b>-6.50 -8.09 -8.09 0.32 0.74 0.32 0.32 -0.52 -8.10 -8.32 -8.11 -8.11 0.30 0.05</b>	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
10.5 GHz	INTERCEPT (mV) <b>-4097</b> SLOPE (mV/dB) <b>-68.16</b>	##### -465 -790 -1090 -1390 -1715 -2015 -2315 -2585 -2890 -3165 -3490 -3790 -4115 -4340 NO RF 22 -2 -1 0 -24 -24 -23 28 4 29 5 6 -18 -3 NO RF <b>-8.37 0.03 0.02 0.60 0.41 0.39 0.30 -0.46 -8.05 -8.49 -8.09 -8.10 0.30 0.04</b>	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
10.75 GHz	INTERCEPT (mV) <b>-4083</b> SLOPE (mV/dB) <b>-68.13</b>	##### -455 -790 -1090 -1365 -1715 -1990 -2290 -2540 -2865 -3140 -3490 -3765 -4115 -4340 NO RF 19 -14 -14 12 -27 -12 -11 40 15 41 -8 17 -22 -17 NO RF <b>-8.32 0.24 0.23 -8.20 0.02 0.19 0.18 -0.66 -8.25 -8.08 0.14 -8.20 0.53 0.22</b>	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
11 GHz	INTERCEPT (mV) <b>-4070</b> SLOPE (mV/dB) <b>-68.62</b>	##### -390 -765 -1040 -1340 -1690 -1965 -2265 -2515 -2840 -3140 -3465 -3765 -4090 -4315 NO RF 43 -29 -1 2 -45 -16 -13 40 18 21 -1 2 -20 -2 NO RF <b>-8.71 0.40 0.01 -8.04 0.73 0.27 0.22 -0.88 -8.30 -8.35 0.01 -8.04 0.32 0.04</b>	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
11.25 GHz	INTERCEPT (mV) <b>-4060</b> SLOPE (mV/dB) <b>-68.31</b>	##### -440 -765 -1065 -1390 -1715 -1990 -2290 -2540 -2865 -3140 -3490 -3765 -4115 -4340 NO RF 18 4 5 -18 -42 -15 -14 38 14 41 -7 19 -29 -13 NO RF <b>-8.29 -8.66 -8.09 0.30 0.69 0.25 0.23 -0.63 -8.24 -8.09 0.12 -8.22 0.49 0.22</b>	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
11.5 GHz	INTERCEPT (mV) <b>-4070</b> SLOPE (mV/dB) <b>-68.26</b>	##### -415 -790 -1065 -1365 -1715 -1990 -2290 -2540 -2865 -3140 -3465 -3765 -4090 -4340 NO RF 48 -26 0 1 -47 -21 -20 32 8 34 11 12 -12 -21 NO RF <b>-8.79 0.43 0.00 -8.02 0.78 0.35 0.32 -0.53 -8.13 -8.57 -8.10 -8.20 0.19 0.34</b>	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
11.75 GHz	INTERCEPT (mV) <b>-4073</b> SLOPE (mV/dB) <b>-68.33</b>	##### -420 -765 -1040 -1365 -1690 -1965 -2290 -2540 -2865 -3140 -3465 -3765 -4090 -4315 NO RF 23 -12 15 -8 -21 -4 -28 24 1 28 4 6 -17 -1 NO RF <b>-8.38 0.19 -8.25 0.13 0.52 0.07 0.46 -0.40 -8.01 -8.06 -8.07 -8.10 0.29 0.01</b>	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
12 GHz	INTERCEPT (mV) <b>-4076</b> SLOPE (mV/dB) <b>-68.32</b>	##### -415 -765 -1065 -1365 -1715 -1990 -2290 -2540 -2865 -3140 -3490 -3765 -4090 -4315 NO RF 44 -5 -3 -1 -50 -23 -21 39 7 33 -15 12 -12 4 NO RF <b>-8.73 0.09 0.05 0.02 0.02 0.30 0.36 -0.50 -8.11 -8.55 0.25 -8.10 0.28 -8.07</b>	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
12.25 GHz	INTERCEPT (mV) <b>-4103</b> SLOPE (mV/dB) <b>-68.78</b>	##### -415 -765 -1065 -1365 -1715 -1990 -2315 -2585 -2890 -3165 -3490 -3790 -4115 -4340 NO RF 42 -5 -1 3 -43 -14 -35 19 -2 27 5 9 -12 6 NO RF <b>-8.88 0.07 0.01 -8.05 0.71 0.23 0.50 -0.31 0.04 -8.44 -8.09 -8.15 0.19 -8.10</b>	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
12.5 GHz	INTERCEPT (mV) <b>-4113</b> SLOPE (mV/dB) <b>-68.72</b>	##### -454 -765 -1090 -1390 -1715 -1990 -2315 -2585 -2890 -3165 -3515 -3790 -4140 -4365 NO RF 16 9 -13 -9 -30 -2 -23 30 9 38 -8 20 -27 -9 NO RF <b>-8.27 -8.15 0.21 0.15 0.50 0.03 0.30 -0.50 -8.15 -8.02 0.15 -8.32 0.44 0.15</b>	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
12.75 GHz	INTERCEPT (mV) <b>-4123</b> SLOPE (mV/dB) <b>-61.22</b>	##### -415 -765 -1065 -1365 -1715 -1990 -2315 -2585 -2890 -3165 -3515 -3815 -4140 -4365 NO RF 34 -6 -3 3 -41 -10 -26 27 8 39 -5 1 -17 2 NO RF <b>-8.56 0.16 0.00 -8.04 0.67 0.17 0.47 -0.44 -8.13 -8.04 0.00 -8.02 0.29 -8.04</b>	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
13 GHz	INTERCEPT (mV) <b>-4125</b> SLOPE (mV/dB) <b>-61.25</b>	##### -415 -765 -1065 -1365 -1715 -1990 -2315 -2585 -2915 -3165 -3515 -3815 -4140 -4365 NO RF 35 -8 -2 4 -40 -8 -27 29 -15 41 -2 4 -15 5 NO RF <b>-8.57 0.14 0.04 -8.06 0.65 0.14 0.45 -0.47 0.24 -8.00 0.04 -8.00 0.24 -8.09</b>	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
13.25 GHz	INTERCEPT (mV) <b>-4130</b> SLOPE (mV/dB) <b>-61.15</b>	##### -440 -765 -1090 -1390 -1715 -2015 -2340 -2590 -2915 -3190 -3540 -3815 -4165 -4365 NO RF 29 10 -9 -3 -23 -17 -36 20 1 31 -13 18 -26 18 NO RF <b>-8.48 -8.17 0.15 0.05 0.37 0.27 0.59 -0.32 -8.01 -8.51 0.21 -8.20 0.43 -8.20</b>	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
13.5 GHz	INTERCEPT (mV) <b>-4146</b> SLOPE (mV/dB) <b>-61.37</b>	##### -463 -765 -1065 -1365 -1715 -2015 -2340 -2590 -2940 -3190 -3540 -3815 -4165 -4390 NO RF 1 6 13 20 -24 -17 -35 22 -21 36 -7 24 -19 2 NO RF <b>-8.01 -8.10 -8.21 -8.32 0.30 0.27 0.57 -0.36 0.34 -8.30 0.12 -8.40 0.21 -8.03</b>	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
13.75 GHz	INTERCEPT (mV) <b>-4150</b> SLOPE (mV/dB) <b>-61.84</b>	##### -431 -765 -1065 -1365 -1690 -2015 -2340 -2590 -2940 -3190 -3540 -3840 -4190 -4390 NO RF 18 -8 2 11 -5 -21 -37 23 -18 41 0 9 -31 16 NO RF <b>-8.29 0.12 -8.03 -8.10 0.00 0.34 0.50 -0.37 0.29 -8.06 0.00 -8.15 0.31 -8.26</b>	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
14 GHz	INTERCEPT (mV) <b>-4140</b> SLOPE (mV/dB) <b>-61.80</b>	##### -431 -765 -1040 -1365 -1690 -2015 -2340 -2590 -2940 -3190 -3540 -3840 -4185 -4365 NO RF 16 -6 25 8 -8 -25 -42 17 -25 34 -8 0 -16 30 NO RF <b>-8.29 0.14 -8.40 -8.14 0.13 0.40 0.67 -0.27 0.40 -8.54 0.13 -8.01 0.26 -8.48</b>	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
14.25 GHz	INTERCEPT (mV) <b>-4170</b> SLOPE (mV/dB) <b>-62.31</b>	##### -390 -765 -1040 -1365 -1690 -2015 -2340 -2590 -2940 -3215 -3565 -3840 -4190 -4390 NO RF 42 -21 15 2 -12 -25 -38 23 -16 21 -18 19 -20 30 NO RF <b>-8.67 0.34 -8.24 -8.03 0.19 0.41 0.62 -0.36 0.25 -8.33 0.20 -8.30 0.21 -8.48</b>	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)
14.5 GHz	INTERCEPT (mV) <b>-4170</b> SLOPE (mV/dB) <b>-62</b>	##### -420 -765 -1065 -1365 -1690 -2015 -2365 -2615 -2940 -3215 -3565 -3940 -4190 -4390 NO RF 24 -5 5 15 0 -15 -55 5 -10 25 -15 20 -20 20 NO RF <b>-8.67 0.34 -8.24 -8.03 0.19 0.41 0.62 -0.36 0.25 -8.33 0.20 -8.30 0.21 -8.48</b>	Measured Value (mV) Error (mV) LINEARITY ERROR (dB)



Frequency	INTERCEPT (mV)	SLOPE (mV/dB)	Measured Value (mV)	Error (mV)	LINEARITY ERROR (dB)
14.75 GHz	-4176	-62.51	-390	36	-0.29
15 GHz	-4174	-62.31	-390	46	0.00
15.25 GHz	-4184	-62.23	-415	35	-0.08
15.5 GHz	-4200	-62.14	-440	31	-0.24
15.75 GHz	-4104	-62.23	-415	35	0.09
16 GHz	-4181	-61.93	-454	11	-0.08
16.25 GHz	-4180	-61.73	-440	38	-0.24
16.5 GHz	-4169	-61	-415	34	0.09
16.75 GHz	-4163	-61.52	-463	8	-0.07
17 GHz	-4158	-61.61	-456	6	-0.23
17.25 GHz	-4158	-61.34	-440	36	0.03
17.5 GHz	-4155	-61.44	-456	13	-0.07
17.75 GHz	-4153	-61.57	-462	-3	0.00
18 GHz	-4158	-61.84	-415	32	-0.16
Max Slope (mV/dB) -69.8 Min Slope (mV/dB) -63.5 Average slope (mV/dB) -61.8 Flatness :dB 1.57 1.22 1.42 1.22 1.01 0.81 0.81 1.01 1.01 1.01 1.01 1.01 1.22 0.81					





## 7 FOOT CABLE 99.1Ω Load 10.8VDC @ -54°C DC OFFSET 64 mV

LOG TRANSFER WITH FREQUENCY @ -54°C  
 MODEL: EROLVA-218-CW-LPD  
 TESTED BY: P.Kuhn  
 SERIAL No.: PL7823

Friday, July 01, 2011  
 4:57 PM



PLANAR MONOLITHICS INDUSTRIES  
 7311-F GROVE ROAD, FREDERICK, MD 21704 USA  
 TEL: 301-662-5019 FAX: 301-662-1731  
 URL: WWW.PMI-RF.COM  
 EMAIL: SALES@PMI-RF.COM

Frequency		-90	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	4	RF Input Power (dBm)
2 GHz	INTERCEPT (mV)	#####																			Measured Value (mV)
	SLOPE (mV/dB)	-74.62																			Error (mV)
		NO RF	26	-19	4	2	-25	-27	-29	44	17	40	-12	11	-15	-17	LINEARTY ERROR (dB)				
	NO RF	-0.35	0.26	-0.05	-0.02	0.34	0.36	0.39	-0.59	-0.23	-0.54	0.16	-0.15	0.21	0.23						
2.25 GHz	INTERCEPT (mV)	#####																			Measured Value (mV)
	SLOPE (mV/dB)	-74.52																			Error (mV)
		NO RF	30	-3	6	17	-36	-38	-40	32	5	52	0	23	-30	-7	LINEARTY ERROR (dB)				
	NO RF	-0.41	0.04	0.08	-0.23	0.48	0.51	0.54	-0.43	-0.06	-0.70	0.00	-0.30	0.40	0.09						
2.5 GHz	INTERCEPT (mV)	#####																			Measured Value (mV)
	SLOPE (mV/dB)	-74.8																			Error (mV)
		NO RF	13	5	19	18	-33	-34	-36	39	-12	37	-14	10	-16	9	LINEARTY ERROR (dB)				
	NO RF	-0.18	0.06	-0.26	-0.24	0.44	0.45	0.46	-0.53	0.16	-0.50	0.18	-0.14	0.21	-0.11						
2.75 GHz	INTERCEPT (mV)	#####																			Measured Value (mV)
	SLOPE (mV/dB)	-74.86																			Error (mV)
		NO RF	20	-14	9	7	-44	-21	-23	50	-1	47	5	18	-33	-10	LINEARTY ERROR (dB)				
	NO RF	-0.27	0.19	-0.12	-0.10	0.60	0.28	0.31	-0.67	0.02	-0.63	0.06	-0.25	0.45	0.13						
3 GHz	INTERCEPT (mV)	#####																			Measured Value (mV)
	SLOPE (mV/dB)	-75.06																			Error (mV)
		NO RF	25	-6	20	20	-30	-29	-54	21	-4	22	3	22	-27	23	LINEARTY ERROR (dB)				
	NO RF	-0.34	0.08	-0.26	-0.27	0.40	0.39	0.72	-0.28	0.05	-0.29	0.04	-0.30	0.36	-0.31						
3.25 GHz	INTERCEPT (mV)	#####																			Measured Value (mV)
	SLOPE (mV/dB)	-75.54																			Error (mV)
		NO RF	36	6	34	11	-36	-33	-80	22	-25	28	20	33	-14	38	LINEARTY ERROR (dB)				
	NO RF	-0.48	-0.08	-0.45	-0.15	0.47	0.44	1.06	-0.29	0.33	-0.37	0.26	-0.44	0.19	-0.50						
3.5 GHz	INTERCEPT (mV)	#####																			Measured Value (mV)
	SLOPE (mV/dB)	-75.97																			Error (mV)
		NO RF	63	-32	23	28	-42	-38	-58	22	-23	32	-13	17	-29	50	LINEARTY ERROR (dB)				
	NO RF	-0.83	0.42	-0.30	-0.37	0.56	0.49	0.76	-0.29	0.30	-0.42	0.18	-0.22	0.38	-0.66						
3.75 GHz	INTERCEPT (mV)	#####																			Measured Value (mV)
	SLOPE (mV/dB)	-76.32																			Error (mV)
		NO RF	57	-11	20	27	-16	-35	-78	3	-40	17	-27	30	-14	67	LINEARTY ERROR (dB)				
	NO RF	-0.75	0.15	-0.27	-0.35	0.21	0.46	1.02	-0.04	0.52	-0.22	0.35	-0.39	0.18	-0.37						
4 GHz	INTERCEPT (mV)	#####																			Measured Value (mV)
	SLOPE (mV/dB)	-76.24																			Error (mV)
		NO RF	34	5	26	32	-12	-30	-74	7	-37	20	24	7	-12	68	LINEARTY ERROR (dB)				
	NO RF	-0.44	0.07	-0.34	-0.42	0.15	0.40	0.97	-0.09	0.48	-0.26	0.32	-0.09	0.15	-0.28						
4.25 GHz	INTERCEPT (mV)	#####																			Measured Value (mV)
	SLOPE (mV/dB)	-76.67																			Error (mV)
		NO RF	32	-14	44	28	-14	-31	-72	-14	-31	28	-14	20	-22	60	LINEARTY ERROR (dB)				
	NO RF	-0.42	0.18	-0.58	-0.36	0.18	0.40	0.94	0.18	0.40	-0.36	0.18	-0.26	0.29	-0.78						
4.5 GHz	INTERCEPT (mV)	#####																			Measured Value (mV)
	SLOPE (mV/dB)	-76.62																			Error (mV)
		NO RF	43	-17	41	24	-18	-35	-77	6	-36	23	-19	14	-3	53	LINEARTY ERROR (dB)				
	NO RF	-0.57	0.22	-0.53	-0.31	0.23	0.45	1.00	-0.08	0.46	-0.29	0.25	-0.18	0.04	-0.70						
4.75 GHz	INTERCEPT (mV)	#####																			Measured Value (mV)
	SLOPE (mV/dB)	-76.97																			Error (mV)
		NO RF	39	-12	48	33	-7	-48	-88	3	43	17	-23	37	-4	54	LINEARTY ERROR (dB)				
	NO RF	-0.51	0.16	-0.62	-0.42	0.10	0.62	1.14	0.04	0.56	-0.22	0.30	-0.48	0.05	-0.71						
5 GHz	INTERCEPT (mV)	#####																			Measured Value (mV)
	SLOPE (mV/dB)	-76.98																			Error (mV)
		NO RF	57	-8	27	12	-3	-43	-83	2	-39	21	-19	16	1	59	LINEARTY ERROR (dB)				
	NO RF	-0.74	0.10	-0.35	-0.16	0.04	0.56	1.08	-0.02	0.50	-0.28	0.24	-0.21	-0.01	-0.76						
5.25 GHz	INTERCEPT (mV)	#####																			Measured Value (mV)
	SLOPE (mV/dB)	-76.32																			Error (mV)
		NO RF	41	-18	39	20	2	-41	-85	3	-21	10	8	23	5	35	LINEARTY ERROR (dB)				
	NO RF	-0.54	0.23	-0.51	-0.27	-0.03	0.54	1.11	0.04	0.28	-0.13	0.11	-0.31	-0.07	-0.46						
5.5 GHz	INTERCEPT (mV)	#####																			Measured Value (mV)
	SLOPE (mV/dB)	-76.21																			Error (mV)
		NO RF	34	-10	46	27	-17	-36	-80	1	-43	13	-6	26	7	36	LINEARTY ERROR (dB)				
	NO RF	-0.45	0.13	-0.60	-0.36	0.22	0.47	1.05	-0.02	0.56	-0.18	0.07	-0.34	-0.09	-0.48						

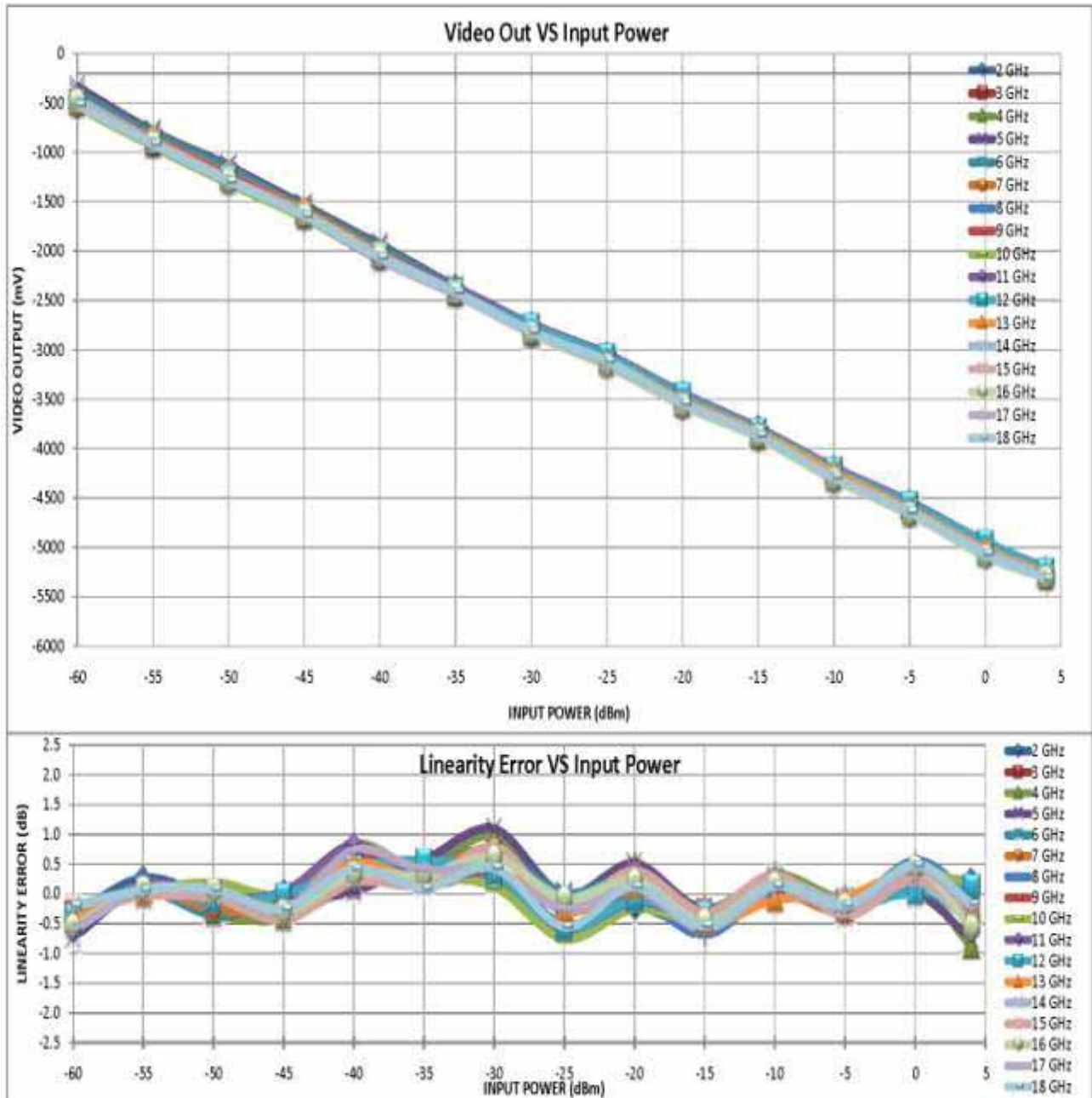


5.75 GHz	INTERCEPT (mV)	-4995	#####															Measured Value (mV)
	SLOPE (mV/dB)	-76.24	NO RF	41	-13	43	24	-20	-39	-82	-1	-28	11	-8	24	5	35	Error (mV)
			NO RF	-0.34	0.18	-0.56	-0.32	0.28	0.51	1.08	0.02	0.28	-0.15	0.10	-0.31	-0.86	-0.48	LINEARITY ERROR (dB)
6 GHz	INTERCEPT (mV)	-4987	#####															Measured Value (mV)
	SLOPE (mV/dB)	-75.92	NO RF	36	-3	26	8	-15	-35	-55	-1	-21	33	-12	18	-3	26	Error (mV)
			NO RF	-0.47	0.04	-0.35	-0.88	0.19	0.48	0.73	0.01	0.28	-0.44	0.16	-0.23	0.04	-0.34	LINEARITY ERROR (dB)
6.25 GHz	INTERCEPT (mV)	-4988	#####															Measured Value (mV)
	SLOPE (mV/dB)	-75.81	NO RF	40	-22	32	12	-8	-30	-76	28	-18	11	-18	19	-2	26	Error (mV)
			NO RF	-0.53	0.29	-0.43	-0.15	0.12	0.40	1.01	-0.37	0.24	-0.64	0.13	-0.25	0.03	-0.35	LINEARITY ERROR (dB)
6.5 GHz	INTERCEPT (mV)	-4988	#####															Measured Value (mV)
	SLOPE (mV/dB)	-75.49	NO RF	41	-4	23	8	-22	-29	-67	19	-12	15	-7	20	-2	25	Error (mV)
			NO RF	-0.55	0.06	-0.30	-0.01	0.29	0.26	0.89	-0.14	0.19	-0.29	0.10	-0.27	0.03	-0.33	LINEARITY ERROR (dB)
6.75 GHz	INTERCEPT (mV)	-4981	#####															Measured Value (mV)
	SLOPE (mV/dB)	-74.99	NO RF	41	-9	16	16	-34	-34	-59	16	-9	41	-9	16	-8	16	Error (mV)
			NO RF	-0.55	0.12	-0.22	-0.22	0.45	0.45	0.79	-0.21	0.12	-0.55	0.12	-0.21	0.12	-0.21	LINEARITY ERROR (dB)
7 GHz	INTERCEPT (mV)	-4982	#####															Measured Value (mV)
	SLOPE (mV/dB)	-75.07	NO RF	26	-6	19	20	-38	-30	-54	21	-4	22	-3	22	-27	23	Error (mV)
			NO RF	-0.35	0.08	-0.26	-0.28	0.49	0.40	0.72	-0.28	0.05	-0.28	0.04	-0.30	0.38	-0.31	LINEARITY ERROR (dB)
7.25 GHz	INTERCEPT (mV)	-4992	#####															Measured Value (mV)
	SLOPE (mV/dB)	-74.53	NO RF	17	3	1	24	-29	-31	-34	39	-13	34	-18	5	-23	25	Error (mV)
			NO RF	-0.22	-0.04	-0.01	-0.32	0.39	0.42	0.45	-0.52	0.18	-0.46	0.24	-0.06	0.21	-0.34	LINEARITY ERROR (dB)
7.5 GHz	INTERCEPT (mV)	-5000	#####															Measured Value (mV)
	SLOPE (mV/dB)	-74.39	NO RF	46	-7	-18	12	-41	-19	-47	25	-3	44	-9	13	-15	8	Error (mV)
			NO RF	-0.62	0.09	0.13	-0.17	0.55	0.25	0.63	-0.34	0.04	-0.59	0.12	-0.18	0.20	-0.19	LINEARITY ERROR (dB)
7.75 GHz	INTERCEPT (mV)	-5001	#####															Measured Value (mV)
	SLOPE (mV/dB)	-73.98	NO RF	47	-8	-13	7	-48	-28	-33	37	7	52	-4	16	-39	7	Error (mV)
			NO RF	-0.64	0.11	0.17	-0.09	0.65	0.38	0.45	-0.50	-0.09	-0.79	0.05	-0.22	0.52	-0.19	LINEARITY ERROR (dB)
8 GHz	INTERCEPT (mV)	-4999	#####															Measured Value (mV)
	SLOPE (mV/dB)	-73.84	NO RF	29	-2	-8	11	-45	-25	-31	38	7	51	-4	15	-41	4	Error (mV)
			NO RF	-0.39	0.03	0.11	-0.15	0.69	0.34	0.42	-0.52	-0.19	-0.79	0.06	-0.20	0.55	-0.08	LINEARITY ERROR (dB)
8.25 GHz	INTERCEPT (mV)	-4988	#####															Measured Value (mV)
	SLOPE (mV/dB)	-73.58	NO RF	34	2	-6	12	-45	-27	-34	34	2	45	-12	5	-27	18	Error (mV)
			NO RF	-0.46	-0.02	0.08	-0.17	0.61	0.37	0.46	-0.46	-0.02	-0.61	0.17	-0.07	0.38	-0.24	LINEARITY ERROR (dB)
8.5 GHz	INTERCEPT (mV)	-4981	#####															Measured Value (mV)
	SLOPE (mV/dB)	-73.12	NO RF	29	-6	-15	1	-34	-18	-28	63	4	44	-15	0	-34	9	Error (mV)
			NO RF	-0.39	0.08	0.21	-0.01	0.46	0.25	0.38	-0.06	-0.05	-0.01	0.21	-0.01	0.46	-0.12	LINEARITY ERROR (dB)
8.75 GHz	INTERCEPT (mV)	-4973	#####															Measured Value (mV)
	SLOPE (mV/dB)	-72.89	NO RF	35	-1	-12	3	-58	-18	-28	61	0	40	4	18	-42	-1	Error (mV)
			NO RF	-0.47	0.01	0.16	-0.04	0.79	0.25	0.40	-0.03	0.00	-0.54	-0.05	-0.25	0.58	0.01	LINEARITY ERROR (dB)
9 GHz	INTERCEPT (mV)	-4967	#####															Measured Value (mV)
	SLOPE (mV/dB)	-73.28	NO RF	31	-3	-11	5	-54	-12	-21	46	12	28	-5	11	-23	-4	Error (mV)
			NO RF	-0.42	0.04	0.15	-0.07	0.73	0.17	0.28	-0.02	-0.16	-0.39	0.07	-0.15	0.21	0.06	LINEARITY ERROR (dB)
9.25 GHz	INTERCEPT (mV)	-4964	#####															Measured Value (mV)
	SLOPE (mV/dB)	-73.22	NO RF	31	-3	-12	4	-55	-14	-22	44	18	51	-8	8	-28	-3	Error (mV)
			NO RF	-0.42	0.04	0.16	-0.06	0.75	0.19	0.31	-0.50	-0.13	-0.09	0.11	-0.11	0.35	0.11	LINEARITY ERROR (dB)
9.5 GHz	INTERCEPT (mV)	-4963	#####															Measured Value (mV)
	SLOPE (mV/dB)	-72.53	NO RF	3	8	-4	8	-54	-18	-3	59	-3	35	-3	18	-27	-12	Error (mV)
			NO RF	-0.05	-0.11	0.06	-0.12	0.74	0.22	0.05	-0.02	0.04	-0.48	0.04	-0.14	0.38	0.17	LINEARITY ERROR (dB)
9.75 GHz	INTERCEPT (mV)	-4959	#####															Measured Value (mV)
	SLOPE (mV/dB)	-72.76	NO RF	27	-9	-29	-6	-42	-3	-14	50	14	52	-9	5	-31	-15	Error (mV)
			NO RF	-0.38	0.12	0.27	0.08	0.58	0.04	0.29	-0.08	-0.19	-0.72	0.12	-0.07	0.43	0.20	LINEARITY ERROR (dB)
10 GHz	INTERCEPT (mV)	-4936	#####															Measured Value (mV)
	SLOPE (mV/dB)	-72.74	NO RF	34	-2	-14	8	-61	-23	-9	55	19	32	-4	18	-27	-11	Error (mV)
			NO RF	-0.47	0.03	0.18	0.00	0.84	0.31	0.12	-0.75	-0.29	-0.44	0.05	-0.13	0.28	0.14	LINEARITY ERROR (dB)











# 7 FOOT CABLE 99.1Ω Load 12VDC @ +95°C DC OFFSET -115 mV

LOG TRANSFER WITH FREQUENCY @95°C  
 MODEL: ERDLVA-218-CW-LPD  
 TESTED BY: P.Kuhn  
 SERIAL No. : PL91561126

Friday, July 01, 2011  
 3:56 PM



PLANAR MONOLITHICS INDUSTRIES  
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Frequency	RF Input Power (dBm)																
	-90	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	4		
2 GHz	INTERCEPT (mV)	#5154															Measured Value (mV)
	SLOPE (mV/dB)	-76.58															Error (mV)
		NO RF	54	-23	-15	-7	1	9	17	-50	-17	-34	23	6	39	-4	LINEARITY ERROR (dB)
		NO RF	-0.70	0.29	0.19	0.09	-0.01	-0.12	-0.22	0.66	0.23	0.45	-0.31	-0.08	0.51	0.06	
2.25 GHz	INTERCEPT (mV)	#5164															Measured Value (mV)
	SLOPE (mV/dB)	-76.4															Error (mV)
		NO RF	73	-28	-21	-14	-7	25	7	-36	-29	-22	10	-8	24	29	LINEARITY ERROR (dB)
		NO RF	-0.95	0.37	0.28	0.19	0.09	-0.32	-0.09	0.47	0.38	0.29	-0.13	0.11	-0.31	-0.38	
2.5 GHz	INTERCEPT (mV)	#5167															Measured Value (mV)
	SLOPE (mV/dB)	-76.5															Error (mV)
		NO RF	65	-6	-23	-16	8	24	7	-61	-28	-21	12	-6	27	33	LINEARITY ERROR (dB)
		NO RF	-0.85	0.08	0.30	0.21	0.11	-0.32	-0.09	0.79	0.37	0.27	-0.16	0.07	-0.35	-0.43	
2.75 GHz	INTERCEPT (mV)	#5162															Measured Value (mV)
	SLOPE (mV/dB)	-76.58															Error (mV)
		NO RF	49	-15	-7	-24	9	17	0	-42	-9	-26	7	-11	22	29	LINEARITY ERROR (dB)
		NO RF	-0.65	0.19	0.09	0.31	-0.12	-0.22	0.00	0.55	0.12	0.34	-0.09	0.14	0.29	-0.37	
3 GHz	INTERCEPT (mV)	#5215															Measured Value (mV)
	SLOPE (mV/dB)	-77.19															Error (mV)
		NO RF	60	-20	9	2	13	24	-15	-54	-43	-33	3	-11	25	59	LINEARITY ERROR (dB)
		NO RF	-0.77	0.26	0.12	-0.02	-0.17	-0.31	0.20	0.70	0.56	0.42	-0.04	0.14	-0.33	-0.77	
3.25 GHz	INTERCEPT (mV)	#5224															Measured Value (mV)
	SLOPE (mV/dB)	-77.57															Error (mV)
		NO RF	66	-7	-19	-6	7	19	-18	-55	-42	-29	9	-4	34	45	LINEARITY ERROR (dB)
		NO RF	-0.85	0.09	0.25	0.08	-0.08	-0.25	0.23	0.71	0.54	0.38	-0.11	0.05	-0.44	-0.57	
3.5 GHz	INTERCEPT (mV)	#5230															Measured Value (mV)
	SLOPE (mV/dB)	-77.56															Error (mV)
		NO RF	57	-25	-12	0	13	26	-11	-48	-36	-23	-10	3	15	51	LINEARITY ERROR (dB)
		NO RF	-0.74	0.32	0.16	-0.01	-0.17	-0.34	0.14	0.62	0.46	0.29	0.13	-0.03	0.20	-0.65	
3.75 GHz	INTERCEPT (mV)	#5245															Measured Value (mV)
	SLOPE (mV/dB)	-77.99															Error (mV)
		NO RF	59	-9	6	-4	11	25	-35	-70	-55	-15	0	-10	30	67	LINEARITY ERROR (dB)
		NO RF	-0.75	0.12	-0.07	0.06	-0.14	-0.33	0.44	0.89	0.70	0.19	0.00	0.13	-0.38	-0.85	
4 GHz	INTERCEPT (mV)	#5248															Measured Value (mV)
	SLOPE (mV/dB)	-78.31															Error (mV)
		NO RF	54	1	-8	9	25	17	-42	-75	-59	-17	0	-9	33	71	LINEARITY ERROR (dB)
		NO RF	-0.69	-0.01	0.10	-0.11	-0.32	-0.21	0.53	0.96	0.75	0.22	0.01	0.11	-0.42	-0.91	
4.25 GHz	INTERCEPT (mV)	#5226															Measured Value (mV)
	SLOPE (mV/dB)	-78.47															Error (mV)
		NO RF	64	5	-13	5	22	15	-18	-76	-58	41	1	-6	36	75	LINEARITY ERROR (dB)
		NO RF	-0.81	0.06	0.16	-0.06	-0.28	-0.19	0.23	0.97	0.74	0.52	-0.02	0.08	-0.46	-0.95	
4.5 GHz	INTERCEPT (mV)	#5217															Measured Value (mV)
	SLOPE (mV/dB)	-78.25															Error (mV)
		NO RF	60	-2	-11	6	22	13	-21	-79	-63	-22	-6	-14	52	85	LINEARITY ERROR (dB)
		NO RF	-0.77	0.02	0.13	-0.07	-0.28	-0.17	0.26	1.01	0.81	0.28	0.07	0.18	-0.96	-0.83	
4.75 GHz	INTERCEPT (mV)	#5200															Measured Value (mV)
	SLOPE (mV/dB)	-78.32															Error (mV)
		NO RF	48	3	-6	11	27	19	-39	-73	-56	-39	2	-6	35	74	LINEARITY ERROR (dB)
		NO RF	-0.62	-0.03	0.07	-0.14	-0.35	-0.24	0.50	0.93	0.72	0.50	-0.03	0.08	-0.45	-0.94	
5 GHz	INTERCEPT (mV)	#5181															Measured Value (mV)
	SLOPE (mV/dB)	-78.11															Error (mV)
		NO RF	50	20	-14	1	17	8	-27	-86	-46	-30	10	1	41	54	LINEARITY ERROR (dB)
		NO RF	-0.64	-0.25	0.18	-0.02	-0.22	-0.10	0.34	1.10	0.59	0.39	-0.13	-0.01	0.53	-0.89	
5.25 GHz	INTERCEPT (mV)	#5162															Measured Value (mV)
	SLOPE (mV/dB)	-77.78															Error (mV)
		NO RF	40	19	-17	-3	11	25	-11	-72	-33	44	5	-16	47	59	LINEARITY ERROR (dB)
		NO RF	-0.51	-0.25	0.21	0.04	-0.14	-0.32	0.14	0.93	0.43	0.57	0.07	0.21	-0.61	-0.75	
5.5 GHz	INTERCEPT (mV)	#5163															Measured Value (mV)
	SLOPE (mV/dB)	-77.57															Error (mV)
		NO RF	45	6	-6	7	20	8	-30	-67	-29	-41	-3	-15	48	58	LINEARITY ERROR (dB)
		NO RF	-0.58	-0.08	0.08	-0.09	-0.25	-0.10	0.38	0.85	0.37	0.53	0.04	0.20	-0.61	-0.75	



5.75 GHz INTERCEPT (mV) -5158  
SLOPE (mV/dB) -77.89

#####	-459	-465	-1290	-1665	-2040	-2415	-2840	-3290	-3640	-4040	-4365	-4790	-5115	-5415
NO RF	38	20	-18	-3	11	24	-12	-74	-35	47	16	-26	43	54
NO RF	-0.49	-0.26	0.21	0.03	-0.14	-0.31	0.16	0.93	0.40	0.81	-0.21	0.29	-0.56	-0.70

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

6 GHz INTERCEPT (mV) -5145  
SLOPE (mV/dB) -77.29

#####	-449	-490	-1290	-1665	-2040	-2440	-2840	-3290	-3640	-4015	-4365	-4765	-5115	-5390
NO RF	58	4	-10	2	13	0	-14	-77	-41	-28	7	-7	30	64
NO RF	-0.75	-0.05	0.12	-0.02	-0.17	0.09	0.16	1.00	0.53	0.38	-0.09	0.09	-0.30	-0.23

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

6.25 GHz INTERCEPT (mV) -5141  
SLOPE (mV/dB) -76.91

#####	-471	-915	-1290	-1690	-2065	-2440	-2840	-3290	-3640	-4015	-4365	-4765	-5115	-5390
NO RF	56	-4	6	-10	8	9	-4	-71	-37	-27	7	-8	26	59
NO RF	-0.72	0.05	-0.08	0.12	0.00	-0.12	0.08	0.93	0.48	0.38	-0.09	0.11	-0.34	-0.77

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

6.5 GHz INTERCEPT (mV) -5140  
SLOPE (mV/dB) -76.78

#####	-478	-915	-1315	-1690	-2065	-2440	-2840	-3290	-3640	-4015	-4365	-4765	-5115	-5390
NO RF	57	2	-14	-5	4	13	-4	-70	-36	-27	7	-8	25	57
NO RF	-0.74	-0.02	0.10	0.07	-0.05	-0.16	0.05	0.91	0.47	0.35	-0.09	0.12	-0.32	-0.74

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

6.75 GHz INTERCEPT (mV) -5135  
SLOPE (mV/dB) -76.75

#####	-474	-915	-1315	-1690	-2065	-2440	-2840	-3265	-3615	-4015	-4365	-4765	-5115	-5390
NO RF	56	-1	-17	-8	8	9	-7	-48	-15	-31	3	-13	20	52
NO RF	-0.73	0.01	0.22	0.11	-0.01	-0.12	0.09	0.63	0.10	0.49	-0.04	0.15	-0.26	-0.68

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

7 GHz INTERCEPT (mV) -5141  
SLOPE (mV/dB) -76.42

#####	-581	-940	-1340	-1715	-2090	-2440	-2840	-3290	-3640	-4015	-4365	-4765	-5115	-5415
NO RF	54	-3	-20	-13	-5	26	8	-80	-28	-21	12	-6	28	31
NO RF	-0.71	0.03	0.27	0.17	0.08	-0.34	-0.11	0.78	0.30	0.27	-0.15	0.03	-0.34	-0.41

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

7.25 GHz INTERCEPT (mV) -5142  
SLOPE (mV/dB) -76.10

#####	-517	-955	-1340	-1715	-2090	-2465	-2865	-3290	-3640	-4040	-4365	-4790	-5115	-5390
NO RF	55	-13	-7	-1	5	11	-8	-52	-21	-40	16	-29	27	57
NO RF	-0.72	0.17	0.09	0.01	-0.07	-0.14	0.11	0.69	0.20	0.53	-0.20	0.37	-0.36	-0.75

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

7.5 GHz INTERCEPT (mV) -5148  
SLOPE (mV/dB) -75.96

#####	-532	-990	-1365	-1740	-2115	-2465	-2865	-3290	-3640	-4040	-4390	-4790	-5115	-5415
NO RF	58	-20	-15	-10	-5	24	4	-41	-11	-31	-2	-22	33	37
NO RF	-0.77	0.28	0.20	0.13	0.07	-0.22	-0.06	0.54	0.15	0.41	0.02	0.29	-0.43	-0.40

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

7.75 GHz INTERCEPT (mV) -5145  
SLOPE (mV/dB) -75.76

#####	-545	-1015	-1365	-1740	-2115	-2465	-2865	-3290	-3640	-4040	-4390	-4790	-5115	-5415
NO RF	55	-37	-8	-4	8	29	7	-39	-10	-31	-2	-24	38	33
NO RF	-0.72	0.40	0.10	0.05	0.00	-0.30	-0.30	0.51	0.13	0.41	0.03	0.31	-0.40	-0.44

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

8 GHz INTERCEPT (mV) -5134  
SLOPE (mV/dB) -75.46

#####	-559	-1015	-1365	-1740	-2115	-2465	-2865	-3290	-3640	-4040	-4365	-4790	-5115	-5390
NO RF	48	-31	-4	-1	1	28	6	-42	-15	-37	15	-33	19	46
NO RF	-0.64	0.41	0.05	0.02	-0.01	-0.27	-0.07	0.56	0.20	0.50	-0.20	0.43	-0.26	-0.61

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

8.25 GHz INTERCEPT (mV) -5120  
SLOPE (mV/dB) -75.51

#####	-546	-990	-1365	-1740	-2115	-2465	-2840	-3290	-3640	-4015	-4365	-4765	-5115	-5390
NO RF	51	-15	-13	-10	-8	20	22	-50	-22	-20	8	-15	13	40
NO RF	-0.67	0.20	0.17	0.14	0.10	-0.20	-0.30	0.66	0.30	0.29	-0.10	0.20	-0.17	-0.53

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

8.5 GHz INTERCEPT (mV) -5116  
SLOPE (mV/dB) -75.21

#####	-548	-1015	-1365	-1740	-2115	-2465	-2840	-3265	-3615	-4015	-4365	-4765	-5090	-5390
NO RF	55	-36	-10	-0	-7	19	20	-29	-3	-27	-1	-25	26	27
NO RF	-0.74	0.47	0.13	0.11	0.10	-0.25	-0.26	0.59	0.04	0.36	0.01	0.33	-0.35	-0.36

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

8.75 GHz INTERCEPT (mV) -5107  
SLOPE (mV/dB) -75.03

#####	-549	-1015	-1365	-1740	-2115	-2465	-2840	-3265	-3615	-4015	-4340	-4740	-5090	-5390
NO RF	58	-34	-8	-0	-8	17	17	-33	-4	-33	17	-8	17	19
NO RF	-0.75	0.45	0.12	0.12	0.11	-0.22	-0.22	0.44	0.11	0.44	-0.23	0.10	-0.23	-0.23

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

9 GHz INTERCEPT (mV) -5084  
SLOPE (mV/dB) -74.86

#####	-540	-990	-1365	-1740	-2090	-2440	-2815	-3240	-3590	-3990	-4315	-4740	-5065	-5365
NO RF	53	-23	-24	-24	6	24	24	-27	-3	-29	21	-30	19	19
NO RF	-0.70	0.31	0.32	0.33	0.00	-0.32	-0.31	0.36	0.04	0.38	-0.20	0.40	-0.26	-0.25

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

9.25 GHz INTERCEPT (mV) -5076  
SLOPE (mV/dB) -74.73

#####	-521	-990	-1365	-1740	-2090	-2440	-2815	-3240	-3590	-3990	-4315	-4715	-5065	-5340
NO RF	71	-24	-26	-27	-3	20	19	-32	-8	-35	14	-13	11	35
NO RF	-0.95	0.32	0.34	0.36	0.04	-0.27	-0.25	0.43	0.12	0.47	-0.18	0.17	-0.14	-0.46

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

9.5 GHz INTERCEPT (mV) -5082  
SLOPE (mV/dB) -74.65

#####	-546	-1015	-1365	-1740	-2115	-2440	-2815	-3240	-3590	-3990	-4315	-4740	-5065	-5365
NO RF	57	-38	-15	-17	-18	30	28	-24	8	-27	21	-31	17	16
NO RF	-0.77	0.51	0.20	0.22	0.25	-0.40	-0.30	0.32	0.01	0.36	-0.20	0.43	-0.23	-0.22

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

9.75 GHz INTERCEPT (mV) -5065  
SLOPE (mV/dB) -74.50

#####	-531	-990	-1365	-1740	-2090	-2440	-2790	-3215	-3565	-3965	-4315	-4715	-5065	-5340
NO RF	60	-27	-20	-31	-8	15	38	-14	9	-18	5	-23	0	24
NO RF	-0.80	0.36	0.30	0.41	0.11	-0.20	-0.51	0.19	-0.12	0.25	-0.06	0.30	0.00	-0.32

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

10 GHz INTERCEPT (mV) -5048  
SLOPE (mV/dB) -74.68

#####	-498	-965	-1340	-1715	-2065	-2415	-2790	-3215	-3540	-3965	-4290	-4690	-5040	-5315
NO RF	69	-25	-26	-28	-4	19	17	-34	14	-37	11	-15	8	32
NO RF	-0.92	0.33	0.35	0.37	0.06	-0.25	-0.23	0.46	-0.19	0.50	-0.15	0.21	-0.11	-0.42

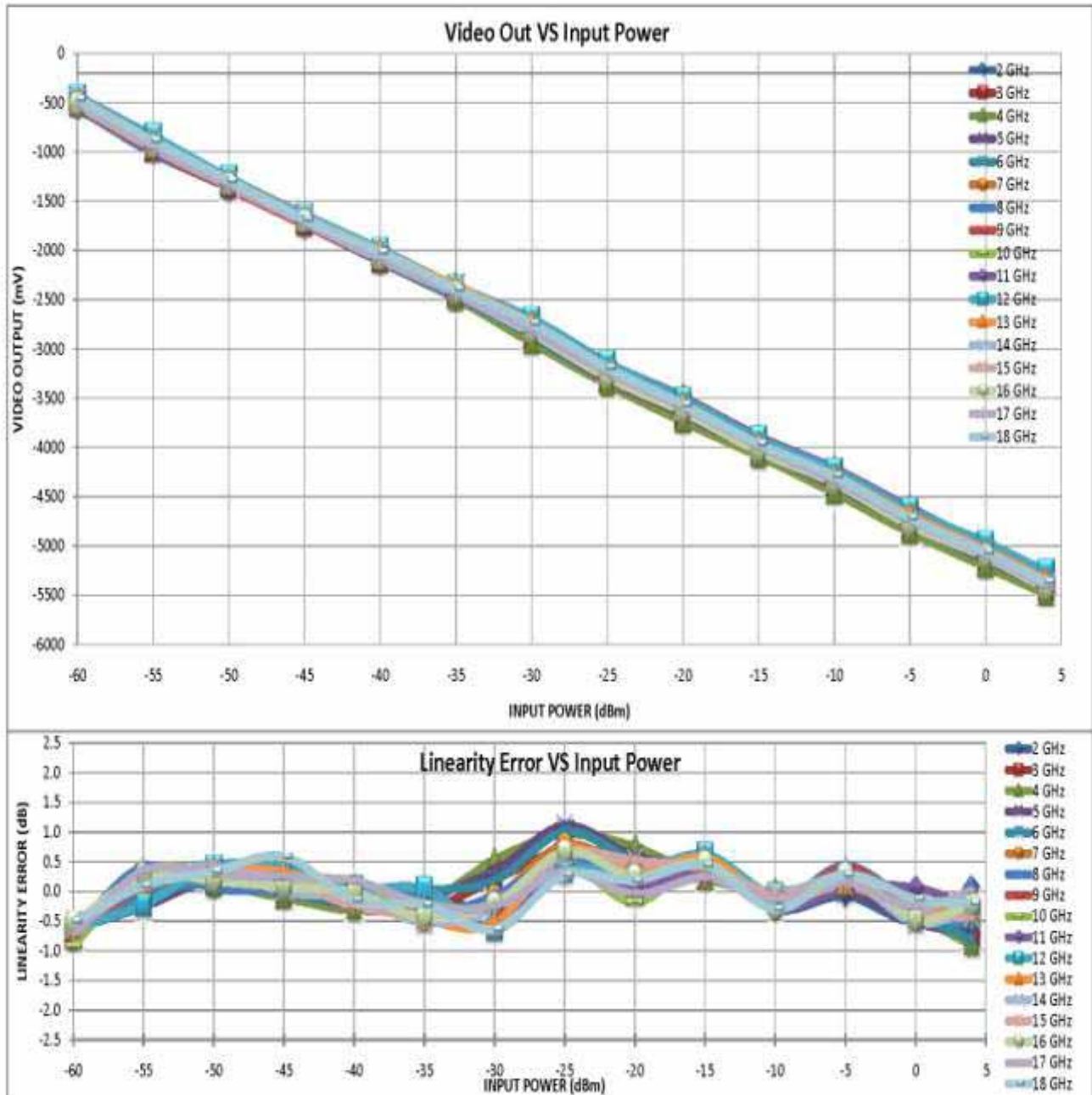
Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)



18.25 GHz	INTERCEPT (mV)	-5050	Measured Value (mV)	
	SLOPE (mV/dB)	-74.50	Error (mV)	
			LINEARITY ERROR (dB)	
18.5 GHz	INTERCEPT (mV)	-5026	Measured Value (mV)	
	SLOPE (mV/dB)	-74.29	Error (mV)	
			LINEARITY ERROR (dB)	
18.75 GHz	INTERCEPT (mV)	-5016	Measured Value (mV)	
	SLOPE (mV/dB)	-74.66	Error (mV)	
			LINEARITY ERROR (dB)	
11 GHz	INTERCEPT (mV)	-4980	Measured Value (mV)	
	SLOPE (mV/dB)	-74.97	Error (mV)	
			LINEARITY ERROR (dB)	
11.25 GHz	INTERCEPT (mV)	-4990	Measured Value (mV)	
	SLOPE (mV/dB)	-74.84	Error (mV)	
			LINEARITY ERROR (dB)	
11.5 GHz	INTERCEPT (mV)	-4992	Measured Value (mV)	
	SLOPE (mV/dB)	-74.80	Error (mV)	
			LINEARITY ERROR (dB)	
11.75 GHz	INTERCEPT (mV)	-4975	Measured Value (mV)	
	SLOPE (mV/dB)	-74.95	Error (mV)	
			LINEARITY ERROR (dB)	
12 GHz	INTERCEPT (mV)	-4997	Measured Value (mV)	
	SLOPE (mV/dB)	-75.20	Error (mV)	
			LINEARITY ERROR (dB)	
12.25 GHz	INTERCEPT (mV)	-5015	Measured Value (mV)	
	SLOPE (mV/dB)	-75.51	Error (mV)	
			LINEARITY ERROR (dB)	
12.5 GHz	INTERCEPT (mV)	-5030	Measured Value (mV)	
	SLOPE (mV/dB)	-75.52	Error (mV)	
			LINEARITY ERROR (dB)	
12.75 GHz	INTERCEPT (mV)	-5051	Measured Value (mV)	
	SLOPE (mV/dB)	-76.36	Error (mV)	
			LINEARITY ERROR (dB)	
13 GHz	INTERCEPT (mV)	-5062	Measured Value (mV)	
	SLOPE (mV/dB)	-76.04	Error (mV)	
			LINEARITY ERROR (dB)	
13.25 GHz	INTERCEPT (mV)	-5080	Measured Value (mV)	
	SLOPE (mV/dB)	-75.90	Error (mV)	
			LINEARITY ERROR (dB)	
13.5 GHz	INTERCEPT (mV)	-5110	Measured Value (mV)	
	SLOPE (mV/dB)	-76.43	Error (mV)	
			LINEARITY ERROR (dB)	
13.75 GHz	INTERCEPT (mV)	-5110	Measured Value (mV)	
	SLOPE (mV/dB)	-76.6	Error (mV)	
			LINEARITY ERROR (dB)	
14 GHz	INTERCEPT (mV)	-5106	Measured Value (mV)	
	SLOPE (mV/dB)	-76.45	Error (mV)	
			LINEARITY ERROR (dB)	
14.25 GHz	INTERCEPT (mV)	-5135	Measured Value (mV)	
	SLOPE (mV/dB)	-76.93	Error (mV)	
			LINEARITY ERROR (dB)	
14.5 GHz	INTERCEPT (mV)	-5143	Measured Value (mV)	
	SLOPE (mV/dB)	-76.82	Error (mV)	
			LINEARITY ERROR (dB)	



		NO RF	-0.73	0.29	0.17	0.05	-0.87	-0.51	0.02	0.88	0.44	0.32	-0.13	0.08	-0.36	-0.46	LINEARITY ERROR (dB)		
14.75 GHz	INTERCEPT (mV)	Measured Value (mV)	-5441	-473	-815	-1315	-1890	-2640	-3415	-3915	-3265	-3640	-4015	-4365	-4765	-5115	-5415	Measured Value (mV)	
	SLOPE (mV/dB)	Error (mV)	-71.83	47	-10	-25	-15	20	30	15	-50	-39	-29	6	-9	26	34	Error (mV)	
		LINEARITY ERROR (dB)		NO RF	-0.81	0.14	0.33	0.29	-0.26	-0.39	-0.29	0.84	0.51	0.38	-0.09	0.12	-0.34	-0.44	LINEARITY ERROR (dB)
15 GHz	INTERCEPT (mV)	Measured Value (mV)	-5441	-470	-815	-1315	-1890	-2640	-3415	-3915	-3265	-3640	-4015	-4365	-4765	-5115	-5415	Measured Value (mV)	
	SLOPE (mV/dB)	Error (mV)	-71.83	49	-11	-26	-16	20	30	15	-50	-40	-29	6	-9	26	35	Error (mV)	
		LINEARITY ERROR (dB)		NO RF	-0.84	0.14	0.34	0.29	-0.25	-0.39	-0.19	0.85	0.51	0.38	-0.09	0.11	-0.34	-0.45	LINEARITY ERROR (dB)
15.25 GHz	INTERCEPT (mV)	Measured Value (mV)	-5165	-493	-840	-1340	-1715	-2065	-2415	-2940	-3290	-3065	-4040	-4390	-4790	-5140	-5440	Measured Value (mV)	
	SLOPE (mV/dB)	Error (mV)	-77.83	48	-12	-27	-17	18	54	14	-51	-41	-31	4	-10	25	33	Error (mV)	
		LINEARITY ERROR (dB)		NO RF	-0.52	0.16	0.35	0.22	-0.24	-0.70	-0.18	0.86	0.53	0.40	-0.06	0.13	-0.32	-0.43	LINEARITY ERROR (dB)
15.5 GHz	INTERCEPT (mV)	Measured Value (mV)	-5181	-492	-890	-1340	-1740	-2090	-2440	-2865	-3215	-3065	-4040	-4390	-4815	-5165	-5465	Measured Value (mV)	
	SLOPE (mV/dB)	Error (mV)	-76.93	53	-41	-6	-21	13	48	8	-58	-23	-13	21	-19	16	23	Error (mV)	
		LINEARITY ERROR (dB)		NO RF	-0.88	0.53	0.09	0.28	-0.17	-0.82	-0.19	0.75	0.30	0.17	-0.28	0.25	-0.20	-0.30	LINEARITY ERROR (dB)
15.75 GHz	INTERCEPT (mV)	Measured Value (mV)	-5157	-493	-840	-1340	-1715	-2065	-2440	-2940	-3290	-3040	-4015	-4365	-4790	-5140	-5440	Measured Value (mV)	
	SLOPE (mV/dB)	Error (mV)	-76.89	50	-12	-28	-18	16	25	10	-58	-21	-12	23	-18	17	24	Error (mV)	
		LINEARITY ERROR (dB)		NO RF	-0.85	0.16	0.36	0.24	-0.21	-0.33	-0.13	0.72	0.28	0.15	-0.29	0.23	-0.22	-0.31	LINEARITY ERROR (dB)
16 GHz	INTERCEPT (mV)	Measured Value (mV)	-5151	-491	-865	-1340	-1715	-2090	-2440	-2940	-3290	-3040	-4040	-4365	-4790	-5115	-5440	Measured Value (mV)	
	SLOPE (mV/dB)	Error (mV)	-76.48	41	-21	-13	-8	2	34	16	-51	-19	-36	21	-21	36	17	Error (mV)	
		LINEARITY ERROR (dB)		NO RF	-0.50	0.27	0.17	0.07	-0.02	-0.45	-0.22	0.87	0.24	0.47	-0.28	0.28	-0.47	-0.22	LINEARITY ERROR (dB)
16.25 GHz	INTERCEPT (mV)	Measured Value (mV)	-5152	-497	-890	-1365	-1740	-2090	-2440	-2940	-3290	-3040	-4040	-4365	-4790	-5140	-5440	Measured Value (mV)	
	SLOPE (mV/dB)	Error (mV)	-78.21	42	-30	-24	-18	13	44	25	-44	-12	-31	25	-19	12	17	Error (mV)	
		LINEARITY ERROR (dB)		NO RF	-0.55	0.39	0.31	0.22	-0.17	-0.50	-0.33	0.57	0.16	0.41	-0.32	0.25	-0.16	-0.22	LINEARITY ERROR (dB)
16.5 GHz	INTERCEPT (mV)	Measured Value (mV)	-5139	-493	-865	-1340	-1715	-2090	-2440	-2915	-3265	-3015	-4015	-4365	-4765	-5115	-5440	Measured Value (mV)	
	SLOPE (mV/dB)	Error (mV)	-76.45	59	-31	-23	-16	-9	23	31	-37	-5	-23	10	-8	24	5	Error (mV)	
		LINEARITY ERROR (dB)		NO RF	-0.77	0.40	0.31	0.21	0.12	-0.31	-0.40	0.49	0.06	0.30	-0.13	0.11	-0.32	-0.07	LINEARITY ERROR (dB)
16.75 GHz	INTERCEPT (mV)	Measured Value (mV)	-5129	-490	-890	-1340	-1740	-2090	-2440	-2915	-3265	-3015	-4015	-4365	-4765	-5115	-5415	Measured Value (mV)	
	SLOPE (mV/dB)	Error (mV)	-75.98	52	-38	-9	-29	1	31	36	-35	-5	-25	5	-15	14	10	Error (mV)	
		LINEARITY ERROR (dB)		NO RF	-0.88	0.51	0.11	0.38	-0.01	-0.40	-0.47	0.46	0.00	0.33	-0.06	0.20	-0.19	-0.24	LINEARITY ERROR (dB)
17 GHz	INTERCEPT (mV)	Measured Value (mV)	-5111	-494	-865	-1340	-1715	-2090	-2440	-2915	-3240	-3590	-3990	-4340	-4740	-5090	-5415	Measured Value (mV)	
	SLOPE (mV/dB)	Error (mV)	-75.81	56	-28	-22	-17	-13	16	20	-25	4	-17	12	-8	21	-1	Error (mV)	
		LINEARITY ERROR (dB)		NO RF	-0.74	0.34	0.28	0.22	0.17	-0.21	-0.27	0.33	-0.05	0.22	-0.16	0.11	-0.27	0.01	LINEARITY ERROR (dB)
17.25 GHz	INTERCEPT (mV)	Measured Value (mV)	-5112	-495	-865	-1340	-1715	-2090	-2440	-2915	-3240	-3590	-3990	-4340	-4740	-5090	-5415	Measured Value (mV)	
	SLOPE (mV/dB)	Error (mV)	-75.9	63	-28	-23	-19	-14	15	20	-26	4	-17	13	-8	22	0	Error (mV)	
		LINEARITY ERROR (dB)		NO RF	-0.93	0.37	0.31	0.25	0.19	-0.20	-0.26	0.34	-0.05	0.22	-0.17	0.18	-0.29	0.08	LINEARITY ERROR (dB)
17.5 GHz	INTERCEPT (mV)	Measured Value (mV)	-5101	-492	-840	-1340	-1715	-2065	-2415	-2990	-3240	-3590	-3990	-4315	-4740	-5090	-5390	Measured Value (mV)	
	SLOPE (mV/dB)	Error (mV)	-75.92	54	-14	-35	-30	-1	29	34	-37	-7	-28	27	-10	11	15	Error (mV)	
		LINEARITY ERROR (dB)		NO RF	-0.72	0.19	0.49	0.40	0.01	-0.38	-0.44	0.48	0.09	0.36	-0.36	0.24	-0.15	-0.20	LINEARITY ERROR (dB)
17.75 GHz	INTERCEPT (mV)	Measured Value (mV)	-5084	-476	-840	-1315	-1890	-2640	-2415	-2765	-3215	-3565	-3965	-4315	-4715	-5065	-5368	Measured Value (mV)	
	SLOPE (mV/dB)	Error (mV)	-75.93	53	-32	-27	-23	7	12	41	-29	1	-20	10	-10	19	-2	Error (mV)	
		LINEARITY ERROR (dB)		NO RF	-0.89	0.42	0.36	0.38	-0.89	-0.15	-0.54	0.38	-0.01	0.26	-0.13	0.14	-0.25	0.03	LINEARITY ERROR (dB)
18 GHz	INTERCEPT (mV)	Measured Value (mV)	-5075	-463	-890	-1290	-1890	-2015	-2290	-2740	-3190	-3565	-3965	-4290	-4715	-5065	-5365	Measured Value (mV)	
	SLOPE (mV/dB)	Error (mV)	-78.23	38	-7	-26	-45	12	18	40	-20	-14	-33	23	-21	10	15	Error (mV)	
	Max Slope (mV/dB)	LINEARITY ERROR (dB)		NO RF	-0.51	0.09	0.34	0.58	-0.15	-0.23	-0.64	0.27	0.19	0.43	-0.30	0.27	-0.13	-0.28	LINEARITY ERROR (dB)
	Min Slope (mV/dB)																		
	Average slope (mV/dB)																		
	Flatness :dB			0.38	1.15	0.69	0.96	0.92	0.98	1.04	1.04	1.04	1.31	1.04	1.04	1.04	1.04		





### 130 FOOT CABLE 99.1Ω Load 12VDC @ +95°C DC OFFSET -95 mV

LOG TRANSFER WITH FREQUENCY @ 95°C  
MODEL: EROVA-218-CW-LPD  
TESTED BY: P.Kuhn  
SERIAL No.: PL9156/1126

Friday, July 01, 2011  
4:02 PM



PLANAR MONOLITHICS INDUSTRIES  
7311-F GROVE ROAD, FREDERICK, MD 21704 USA  
TEL: 301-662-5019 FAX: 301-662-1731  
URL: WWW.PMI-RF.COM  
EMAIL: SALES@PMI-RF.COM

Frequency

Frequency			-90	-80	-75	-70	-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	4	RF Input Power (dBm)																										
	INTERCEPT (mV)	SLOPE (mV/dB)																																														
2 GHz	INTERCEPT (mV)	4258																				Measured Value (mV)																										
	SLOPE (mV/dB)	-62.99																				Error (mV)																										
	<table border="1"> <tr><td>#####</td><td>-426</td><td>-815</td><td>-1115</td><td>-1440</td><td>-1740</td><td>-2040</td><td>-2365</td><td>-2715</td><td>-3015</td><td>-3340</td><td>-3615</td><td>-3940</td><td>-4215</td><td>-4515</td></tr> <tr><td>NO RF</td><td>53</td><td>-22</td><td>-7</td><td>-17</td><td>-2</td><td>13</td><td>3</td><td>-32</td><td>-17</td><td>-27</td><td>13</td><td>3</td><td>43</td><td>-5</td></tr> <tr><td>NO RF</td><td>-0.83</td><td>0.34</td><td>0.11</td><td>0.26</td><td>0.03</td><td>0.21</td><td>-0.05</td><td>0.51</td><td>0.27</td><td>0.43</td><td>-0.21</td><td>-0.05</td><td>-0.68</td><td>0.08</td></tr> </table>			#####	-426	-815	-1115	-1440	-1740	-2040	-2365	-2715	-3015	-3340	-3615	-3940	-4215	-4515	NO RF	53	-22	-7	-17	-2	13	3	-32	-17	-27	13	3	43	-5	NO RF	-0.83	0.34	0.11	0.26	0.03	0.21	-0.05	0.51	0.27	0.43	-0.21	-0.05	-0.68	0.08
#####	-426	-815	-1115	-1440	-1740	-2040	-2365	-2715	-3015	-3340	-3615	-3940	-4215	-4515																																		
NO RF	53	-22	-7	-17	-2	13	3	-32	-17	-27	13	3	43	-5																																		
NO RF	-0.83	0.34	0.11	0.26	0.03	0.21	-0.05	0.51	0.27	0.43	-0.21	-0.05	-0.68	0.08																																		
2.25 GHz	INTERCEPT (mV)	4265																				Measured Value (mV)																										
	SLOPE (mV/dB)	-63.04																				Error (mV)																										
	<table border="1"> <tr><td>#####</td><td>-432</td><td>-815</td><td>-1115</td><td>-1440</td><td>-1740</td><td>-2040</td><td>-2390</td><td>-2740</td><td>-3015</td><td>-3340</td><td>-3615</td><td>-3985</td><td>-4240</td><td>-4490</td></tr> <tr><td>NO RF</td><td>51</td><td>-17</td><td>-2</td><td>-12</td><td>3</td><td>19</td><td>-16</td><td>-51</td><td>-11</td><td>-21</td><td>20</td><td>-15</td><td>25</td><td>27</td></tr> <tr><td>NO RF</td><td>-0.80</td><td>0.27</td><td>0.03</td><td>0.19</td><td>-0.06</td><td>-0.30</td><td>0.26</td><td>0.81</td><td>0.17</td><td>0.33</td><td>-0.31</td><td>0.24</td><td>-0.40</td><td>-0.43</td></tr> </table>			#####	-432	-815	-1115	-1440	-1740	-2040	-2390	-2740	-3015	-3340	-3615	-3985	-4240	-4490	NO RF	51	-17	-2	-12	3	19	-16	-51	-11	-21	20	-15	25	27	NO RF	-0.80	0.27	0.03	0.19	-0.06	-0.30	0.26	0.81	0.17	0.33	-0.31	0.24	-0.40	-0.43
#####	-432	-815	-1115	-1440	-1740	-2040	-2390	-2740	-3015	-3340	-3615	-3985	-4240	-4490																																		
NO RF	51	-17	-2	-12	3	19	-16	-51	-11	-21	20	-15	25	27																																		
NO RF	-0.80	0.27	0.03	0.19	-0.06	-0.30	0.26	0.81	0.17	0.33	-0.31	0.24	-0.40	-0.43																																		
2.5 GHz	INTERCEPT (mV)	4272																				Measured Value (mV)																										
	SLOPE (mV/dB)	-63.16																				Error (mV)																										
	<table border="1"> <tr><td>#####</td><td>-431</td><td>-815</td><td>-1115</td><td>-1440</td><td>-1740</td><td>-2040</td><td>-2390</td><td>-2740</td><td>-3040</td><td>-3340</td><td>-3640</td><td>-3965</td><td>-4240</td><td>-4490</td></tr> <tr><td>NO RF</td><td>52</td><td>-17</td><td>-1</td><td>-10</td><td>5</td><td>21</td><td>-13</td><td>-47</td><td>-31</td><td>-16</td><td>0</td><td>-9</td><td>32</td><td>34</td></tr> <tr><td>NO RF</td><td>-0.82</td><td>0.27</td><td>0.02</td><td>0.16</td><td>-0.09</td><td>-0.34</td><td>0.21</td><td>0.75</td><td>0.50</td><td>0.25</td><td>0.00</td><td>0.14</td><td>-0.50</td><td>-0.54</td></tr> </table>			#####	-431	-815	-1115	-1440	-1740	-2040	-2390	-2740	-3040	-3340	-3640	-3965	-4240	-4490	NO RF	52	-17	-1	-10	5	21	-13	-47	-31	-16	0	-9	32	34	NO RF	-0.82	0.27	0.02	0.16	-0.09	-0.34	0.21	0.75	0.50	0.25	0.00	0.14	-0.50	-0.54
#####	-431	-815	-1115	-1440	-1740	-2040	-2390	-2740	-3040	-3340	-3640	-3965	-4240	-4490																																		
NO RF	52	-17	-1	-10	5	21	-13	-47	-31	-16	0	-9	32	34																																		
NO RF	-0.82	0.27	0.02	0.16	-0.09	-0.34	0.21	0.75	0.50	0.25	0.00	0.14	-0.50	-0.54																																		
2.75 GHz	INTERCEPT (mV)	4277																				Measured Value (mV)																										
	SLOPE (mV/dB)	-63.44																				Error (mV)																										
	<table border="1"> <tr><td>#####</td><td>-421</td><td>-815</td><td>-1115</td><td>-1440</td><td>-1740</td><td>-2040</td><td>-2365</td><td>-2715</td><td>-3015</td><td>-3340</td><td>-3640</td><td>-3965</td><td>-4265</td><td>-4515</td></tr> <tr><td>NO RF</td><td>49</td><td>-27</td><td>-10</td><td>-18</td><td>-1</td><td>17</td><td>9</td><td>-24</td><td>-7</td><td>-15</td><td>3</td><td>-5</td><td>12</td><td>16</td></tr> <tr><td>NO RF</td><td>-0.78</td><td>0.43</td><td>0.16</td><td>0.28</td><td>0.01</td><td>-0.26</td><td>-0.14</td><td>0.38</td><td>0.11</td><td>0.23</td><td>-0.04</td><td>0.08</td><td>-0.19</td><td>-0.25</td></tr> </table>			#####	-421	-815	-1115	-1440	-1740	-2040	-2365	-2715	-3015	-3340	-3640	-3965	-4265	-4515	NO RF	49	-27	-10	-18	-1	17	9	-24	-7	-15	3	-5	12	16	NO RF	-0.78	0.43	0.16	0.28	0.01	-0.26	-0.14	0.38	0.11	0.23	-0.04	0.08	-0.19	-0.25
#####	-421	-815	-1115	-1440	-1740	-2040	-2365	-2715	-3015	-3340	-3640	-3965	-4265	-4515																																		
NO RF	49	-27	-10	-18	-1	17	9	-24	-7	-15	3	-5	12	16																																		
NO RF	-0.78	0.43	0.16	0.28	0.01	-0.26	-0.14	0.38	0.11	0.23	-0.04	0.08	-0.19	-0.25																																		
3 GHz	INTERCEPT (mV)	4307																				Measured Value (mV)																										
	SLOPE (mV/dB)	-63.8																				Error (mV)																										
	<table border="1"> <tr><td>#####</td><td>-428</td><td>-815</td><td>-1115</td><td>-1440</td><td>-1740</td><td>-2065</td><td>-2415</td><td>-2765</td><td>-3065</td><td>-3365</td><td>-3665</td><td>-3990</td><td>-4290</td><td>-4515</td></tr> <tr><td>NO RF</td><td>52</td><td>-17</td><td>2</td><td>-4</td><td>15</td><td>9</td><td>-22</td><td>-53</td><td>-34</td><td>-15</td><td>4</td><td>-2</td><td>17</td><td>47</td></tr> <tr><td>NO RF</td><td>-0.81</td><td>0.26</td><td>-0.03</td><td>0.06</td><td>-0.24</td><td>-0.14</td><td>0.34</td><td>0.83</td><td>0.53</td><td>0.23</td><td>-0.06</td><td>0.03</td><td>-0.27</td><td>-0.74</td></tr> </table>			#####	-428	-815	-1115	-1440	-1740	-2065	-2415	-2765	-3065	-3365	-3665	-3990	-4290	-4515	NO RF	52	-17	2	-4	15	9	-22	-53	-34	-15	4	-2	17	47	NO RF	-0.81	0.26	-0.03	0.06	-0.24	-0.14	0.34	0.83	0.53	0.23	-0.06	0.03	-0.27	-0.74
#####	-428	-815	-1115	-1440	-1740	-2065	-2415	-2765	-3065	-3365	-3665	-3990	-4290	-4515																																		
NO RF	52	-17	2	-4	15	9	-22	-53	-34	-15	4	-2	17	47																																		
NO RF	-0.81	0.26	-0.03	0.06	-0.24	-0.14	0.34	0.83	0.53	0.23	-0.06	0.03	-0.27	-0.74																																		
3.25 GHz	INTERCEPT (mV)	4318																				Measured Value (mV)																										
	SLOPE (mV/dB)	-64.06																				Error (mV)																										
	<table border="1"> <tr><td>#####</td><td>-423</td><td>-815</td><td>-1115</td><td>-1440</td><td>-1740</td><td>-2065</td><td>-2415</td><td>-2765</td><td>-3065</td><td>-3365</td><td>-3665</td><td>-4015</td><td>-4290</td><td>-4540</td></tr> <tr><td>NO RF</td><td>51</td><td>-21</td><td>-1</td><td>5</td><td>15</td><td>10</td><td>-19</td><td>-49</td><td>-29</td><td>-8</td><td>12</td><td>-18</td><td>28</td><td>34</td></tr> <tr><td>NO RF</td><td>-0.80</td><td>0.33</td><td>0.01</td><td>0.08</td><td>-0.23</td><td>-0.16</td><td>0.30</td><td>0.76</td><td>0.45</td><td>0.13</td><td>-0.19</td><td>0.28</td><td>-0.43</td><td>-0.53</td></tr> </table>			#####	-423	-815	-1115	-1440	-1740	-2065	-2415	-2765	-3065	-3365	-3665	-4015	-4290	-4540	NO RF	51	-21	-1	5	15	10	-19	-49	-29	-8	12	-18	28	34	NO RF	-0.80	0.33	0.01	0.08	-0.23	-0.16	0.30	0.76	0.45	0.13	-0.19	0.28	-0.43	-0.53
#####	-423	-815	-1115	-1440	-1740	-2065	-2415	-2765	-3065	-3365	-3665	-4015	-4290	-4540																																		
NO RF	51	-21	-1	5	15	10	-19	-49	-29	-8	12	-18	28	34																																		
NO RF	-0.80	0.33	0.01	0.08	-0.23	-0.16	0.30	0.76	0.45	0.13	-0.19	0.28	-0.43	-0.53																																		
3.5 GHz	INTERCEPT (mV)	4326																				Measured Value (mV)																										
	SLOPE (mV/dB)	-64.16																				Error (mV)																										
	<table border="1"> <tr><td>#####</td><td>-431</td><td>-815</td><td>-1115</td><td>-1440</td><td>-1765</td><td>-2065</td><td>-2415</td><td>-2765</td><td>-3065</td><td>-3365</td><td>-3690</td><td>-4015</td><td>-4315</td><td>-4540</td></tr> <tr><td>NO RF</td><td>46</td><td>-18</td><td>3</td><td>-1</td><td>-5</td><td>16</td><td>-14</td><td>-43</td><td>-22</td><td>-1</td><td>5</td><td>-10</td><td>11</td><td>43</td></tr> <tr><td>NO RF</td><td>-0.71</td><td>0.28</td><td>-0.05</td><td>0.02</td><td>0.08</td><td>0.24</td><td>0.21</td><td>0.67</td><td>0.34</td><td>0.02</td><td>0.08</td><td>0.15</td><td>-0.18</td><td>-0.67</td></tr> </table>			#####	-431	-815	-1115	-1440	-1765	-2065	-2415	-2765	-3065	-3365	-3690	-4015	-4315	-4540	NO RF	46	-18	3	-1	-5	16	-14	-43	-22	-1	5	-10	11	43	NO RF	-0.71	0.28	-0.05	0.02	0.08	0.24	0.21	0.67	0.34	0.02	0.08	0.15	-0.18	-0.67
#####	-431	-815	-1115	-1440	-1765	-2065	-2415	-2765	-3065	-3365	-3690	-4015	-4315	-4540																																		
NO RF	46	-18	3	-1	-5	16	-14	-43	-22	-1	5	-10	11	43																																		
NO RF	-0.71	0.28	-0.05	0.02	0.08	0.24	0.21	0.67	0.34	0.02	0.08	0.15	-0.18	-0.67																																		
3.75 GHz	INTERCEPT (mV)	4336																				Measured Value (mV)																										
	SLOPE (mV/dB)	-64.29																				Error (mV)																										
	<table border="1"> <tr><td>#####</td><td>-434</td><td>-815</td><td>-1115</td><td>-1440</td><td>-1740</td><td>-2065</td><td>-2440</td><td>-2790</td><td>-3090</td><td>-3390</td><td>-3690</td><td>-4015</td><td>-4315</td><td>-4540</td></tr> <tr><td>NO RF</td><td>44</td><td>-16</td><td>6</td><td>2</td><td>24</td><td>20</td><td>-33</td><td>-62</td><td>-40</td><td>-19</td><td>2</td><td>-1</td><td>20</td><td>53</td></tr> <tr><td>NO RF</td><td>-0.69</td><td>0.24</td><td>-0.09</td><td>-0.04</td><td>-0.37</td><td>-0.31</td><td>0.52</td><td>0.96</td><td>0.63</td><td>0.30</td><td>-0.04</td><td>0.02</td><td>-0.32</td><td>-0.82</td></tr> </table>			#####	-434	-815	-1115	-1440	-1740	-2065	-2440	-2790	-3090	-3390	-3690	-4015	-4315	-4540	NO RF	44	-16	6	2	24	20	-33	-62	-40	-19	2	-1	20	53	NO RF	-0.69	0.24	-0.09	-0.04	-0.37	-0.31	0.52	0.96	0.63	0.30	-0.04	0.02	-0.32	-0.82
#####	-434	-815	-1115	-1440	-1740	-2065	-2440	-2790	-3090	-3390	-3690	-4015	-4315	-4540																																		
NO RF	44	-16	6	2	24	20	-33	-62	-40	-19	2	-1	20	53																																		
NO RF	-0.69	0.24	-0.09	-0.04	-0.37	-0.31	0.52	0.96	0.63	0.30	-0.04	0.02	-0.32	-0.82																																		
4 GHz	INTERCEPT (mV)	4338																				Measured Value (mV)																										
	SLOPE (mV/dB)	-64.49																				Error (mV)																										
	<table border="1"> <tr><td>#####</td><td>-420</td><td>-790</td><td>-1115</td><td>-1440</td><td>-1740</td><td>-2065</td><td>-2440</td><td>-2790</td><td>-3090</td><td>-3390</td><td>-3690</td><td>-4015</td><td>-4315</td><td>-4540</td></tr> <tr><td>NO RF</td><td>49</td><td>1</td><td>-2</td><td>-4</td><td>18</td><td>16</td><td>-37</td><td>-64</td><td>-42</td><td>-19</td><td>3</td><td>1</td><td>23</td><td>56</td></tr> <tr><td>NO RF</td><td>-0.76</td><td>-0.02</td><td>0.02</td><td>0.06</td><td>-0.29</td><td>-0.25</td><td>0.57</td><td>1.00</td><td>0.85</td><td>0.30</td><td>-0.05</td><td>-0.01</td><td>-0.36</td><td>-0.87</td></tr> </table>			#####	-420	-790	-1115	-1440	-1740	-2065	-2440	-2790	-3090	-3390	-3690	-4015	-4315	-4540	NO RF	49	1	-2	-4	18	16	-37	-64	-42	-19	3	1	23	56	NO RF	-0.76	-0.02	0.02	0.06	-0.29	-0.25	0.57	1.00	0.85	0.30	-0.05	-0.01	-0.36	-0.87
#####	-420	-790	-1115	-1440	-1740	-2065	-2440	-2790	-3090	-3390	-3690	-4015	-4315	-4540																																		
NO RF	49	1	-2	-4	18	16	-37	-64	-42	-19	3	1	23	56																																		
NO RF	-0.76	-0.02	0.02	0.06	-0.29	-0.25	0.57	1.00	0.85	0.30	-0.05	-0.01	-0.36	-0.87																																		
4.25 GHz	INTERCEPT (mV)	4323																				Measured Value (mV)																										
	SLOPE (mV/dB)	-64.7																				Error (mV)																										
	<table border="1"> <tr><td>#####</td><td>-396</td><td>-765</td><td>-1090</td><td>-1415</td><td>-1715</td><td>-2040</td><td>-2415</td><td>-2765</td><td>-3065</td><td>-3365</td><td>-3690</td><td>-3990</td><td>-4290</td><td>-4540</td></tr> <tr><td>NO RF</td><td>44</td><td>-1</td><td>-3</td><td>-4</td><td>19</td><td>18</td><td>-33</td><td>-60</td><td>-36</td><td>-13</td><td>-14</td><td>9</td><td>33</td><td>41</td></tr> <tr><td>NO RF</td><td>-0.68</td><td>0.02</td><td>0.04</td><td>0.06</td><td>-0.30</td><td>-0.28</td><td>0.52</td><td>0.93</td><td>0.56</td><td>0.20</td><td>0.22</td><td>-0.14</td><td>-0.50</td><td>-0.64</td></tr> </table>			#####	-396	-765	-1090	-1415	-1715	-2040	-2415	-2765	-3065	-3365	-3690	-3990	-4290	-4540	NO RF	44	-1	-3	-4	19	18	-33	-60	-36	-13	-14	9	33	41	NO RF	-0.68	0.02	0.04	0.06	-0.30	-0.28	0.52	0.93	0.56	0.20	0.22	-0.14	-0.50	-0.64
#####	-396	-765	-1090	-1415	-1715	-2040	-2415	-2765	-3065	-3365	-3690	-3990	-4290	-4540																																		
NO RF	44	-1	-3	-4	19	18	-33	-60	-36	-13	-14	9	33	41																																		
NO RF	-0.68	0.02	0.04	0.06	-0.30	-0.28	0.52	0.93	0.56	0.20	0.22	-0.14	-0.50	-0.64																																		
4.5 GHz	INTERCEPT (mV)	4312																				Measured Value (mV)																										
	SLOPE (mV/dB)	-64.52																				Error (mV)																										
	<table border="1"> <tr><td>#####</td><td>-392</td><td>-765</td><td>-1090</td><td>-1415</td><td>-1715</td><td>-2040</td><td>-2390</td><td>-2765</td><td>-3065</td><td>-3365</td><td>-3665</td><td>-3990</td><td>-4290</td><td>-4515</td></tr> <tr><td>NO RF</td><td>49</td><td>-2</td><td>-4</td><td>-7</td><td>16</td><td>14</td><td>-14</td><td>-66</td><td>-43</td><td>-21</td><td>2</td><td>-1</td><td>22</td><td>55</td></tr> <tr><td>NO RF</td><td>-0.76</td><td>0.03</td><td>0.06</td><td>0.10</td><td>-0.25</td><td>-0.21</td><td>0.21</td><td>1.02</td><td>0.67</td><td>0.32</td><td>-0.03</td><td>0.01</td><td>-0.34</td><td>-0.85</td></tr> </table>			#####	-392	-765	-1090	-1415	-1715	-2040	-2390	-2765	-3065	-3365	-3665	-3990	-4290	-4515	NO RF	49	-2	-4	-7	16	14	-14	-66	-43	-21	2	-1	22	55	NO RF	-0.76	0.03	0.06	0.10	-0.25	-0.21	0.21	1.02	0.67	0.32	-0.03	0.01	-0.34	-0.85
#####	-392	-765	-1090	-1415	-1715	-2040	-2390	-2765	-3065	-3365	-3665	-3990	-4290	-4515																																		
NO RF	49	-2	-4	-7	16	14	-14	-66	-43	-21	2	-1	22	55																																		
NO RF	-0.76	0.03	0.06	0.10	-0.25	-0.21	0.21	1.02	0.67	0.32	-0.03	0.01	-0.34	-0.85																																		
4.75 GHz	INTERCEPT (mV)	4307																				Measured Value (mV)																										
	SLOPE (mV/dB)	-64.8																				Error (mV)																										
	<table border="1"> <tr><td>#####</td><td>-384</td><td>-740</td><td>-1065</td><td>-1390</td><td>-1690</td><td>-2015</td><td>-2390</td><td>-2765</td><td>-3040</td><td>-3365</td><td>-3665</td><td>-3990</td><td>-4265</td><td>-4515</td></tr> <tr><td>NO RF</td><td>35</td><td>3</td><td>2</td><td>1</td><td>25</td><td>24</td><td>-27</td><td>-78</td><td>-29</td><td>-30</td><td>-6</td><td>-7</td><td>42</td><td>51</td></tr> <tr><td>NO RF</td><td>-0.54</td><td>-0.04</td><td>-0.02</td><td>-0.01</td><td>-0.38</td><td>-0.36</td><td>-0.42</td><td>1.21</td><td>0.45</td><td>0.47</td><td>0.10</td><td>0.12</td><td>-0.64</td><td>-0.78</td></tr> </table>			#####	-384	-740	-1065	-1390	-1690	-2015	-2390	-2765	-3040	-3365	-3665	-3990	-4265	-4515	NO RF	35	3	2	1	25	24	-27	-78	-29	-30	-6	-7	42	51	NO RF	-0.54	-0.04	-0.02	-0.01	-0.38	-0.36	-0.42	1.21	0.45	0.47	0.10	0.12	-0.64	-0.78
#####	-384	-740	-1065	-1390	-1690	-2015	-2390	-2765	-3040	-3365	-3665	-3990	-4265	-4515																																		
NO RF	35	3	2	1	25	24	-27	-78	-29	-30	-6	-7	42	51																																		
NO RF	-0.54	-0.04	-0.02	-0.01	-0.38	-0.36	-0.42	1.21	0.45	0.47	0.10	0.12	-0.64	-0.78																																		
5 GHz	INTERCEPT (mV)	4281																				Measured Value (mV)																										
	SLOPE (mV/dB)	-64.37																				Error (mV)																										
	<table border="1"> <tr><td>#####</td><td>-371</td><td>-740</td><td>-1065</td><td>-1390</td><td>-1690</td><td>-2015</td><td>-2365</td><td>-2740</td><td>-3040</td><td>-3340</td><td>-3640</td><td>-3965</td><td>-4240</td><td>-4490</td></tr> <tr><td>NO RF</td><td>48</td><td>1</td><td>-2</td><td>5</td><td>16</td><td>13</td><td>-15</td><td>-68</td><td>-46</td><td>-24</td><td>2</td><td>5</td><td>41</td><td>49</td></tr> <tr><td>NO RF</td><td>-0.74</td><td>-0.01</td><td>0.04</td><td>0.08</td><td>-0.26</td><td>-0.21</td><td>0.23</td><td>1.06</td><td>0.72</td><td>0.36</td><td>0.04</td><td>0.08</td><td>-0.64</td><td>-0.76</td></tr> </table>			#####	-371	-740	-1065	-1390	-1690	-2015	-2365	-2740	-3040	-3340	-3640	-3965	-4240	-4490	NO RF	48	1	-2	5	16	13	-15	-68	-46	-24	2	5	41	49	NO RF	-0.74	-0.01	0.04	0.08	-0.26	-0.21	0.23	1.06	0.72	0.36	0.04	0.08	-0.64	-0.76
#####	-371	-740	-1065	-1390	-1690	-2015	-2365	-2740	-3040	-3340	-3640	-3965	-4240	-4490																																		
NO RF	48	1	-2	5	16	13	-15	-68	-46	-24	2	5	41	49																																		
NO RF	-0.74	-0.01	0.04	0.08	-0.26	-0.21	0.23	1.06	0.72	0.36	0.04	0.08	-0.64	-0.76																																		
5.25 GHz	INTERCEPT (mV)	4269																				Measured Value (mV)																										
	SLOPE (mV/dB)	-64.11																				Error (mV)																										
	<table border="1"> <tr><td>#####</td><td>-373</td><td>-740</td><td>-1065</td><td>-1390</td><td>-1690</td><td>-2015</td><td>-2365</td><td>-2740</td><td>-3015</td><td>-3340</td><td>-3615</td><td>-3965</td><td>-4240</td><td>-4465</td></tr> <tr><td>NO RF</td><td>49</td><td>3</td><td>-2</td><td>-6</td><td>14</td><td>10</td><td>-19</td><td>-74</td><td>-28</td><td>-33</td><td>13</td><td>-17</td><td>29</td><td>60</td></tr> <tr><td>NO RF</td><td>-0.77</td><td>-0.04</td><td>0.03</td><td>0.10</td><td>-0.23</td><td>-0.16</td><td>0.30</td><td>1.15</td><td>0.44</td><td>0.51</td><td>-0.20</td><td>0.26</td><td>-0.45</td><td>-0.94</td></tr> </table>			#####	-373	-740	-1065	-1390	-1690	-2015	-2365	-2740	-3015	-3340	-3615	-3965	-4240	-4465	NO RF	49	3	-2	-6	14	10	-19	-74	-28	-33	13	-17	29	60	NO RF	-0.77	-0.04	0.03	0.10	-0.23	-0.16	0.30	1.15	0.44	0.51	-0.20	0.26	-0.45	-0.94
#####	-373	-740	-1065	-1390	-1690	-2015	-2365	-2740	-3015	-3340	-3615	-3965	-4240	-4465																																		
NO RF	49	3	-2	-6	14	10	-19	-74	-28	-33	13	-17	29	60																																		
NO RF	-0.77	-0.04	0.03	0.10	-0.23	-0.16	0.30	1.15	0.44	0.51	-0.20	0.26	-0.45	-0.94																																		
5.5 GHz	INTERCEPT (mV)	4274																				Measured Value (mV)																										
	SLOPE (mV/dB)	-64.21																				Error (mV)																										
	<table border="1"> <tr><td>#####</td><td>-381</td><td>-740</td><td>-1065</td><td>-1390</td><td>-1690</td><td>-2015</td><td>-2365</td><td>-2740</td><td>-3015</td><td>-3340</td><td>-3615</td><td>-3965</td><td>-4240</td><td>-4490</td></tr> <tr><td>NO RF</td><td>41</td><td>2</td><td>-1</td><td>-5</td><td>16</td><td>12</td><td>-17</td><td>-71</td><td>-25</td><td>-29</td><td>17</td><td>-12</td><td>34</td><td>41</td></tr> <tr><td>NO RF</td><td>-0.64</td><td>-0.04</td><td>0.02</td><td>0.08</td><td>-0.24</td><td>-0.18</td><td>0.27</td><td>1.11</td><td>0.39</td><td>0.45</td><td>-0.26</td><td>0.19</td><td>-0.53</td><td>-0.83</td></tr> </table>			#####	-381	-740	-1065	-1390	-1690	-2015	-2365	-2740	-3015	-3340	-3615	-3965	-4240	-4490	NO RF	41	2	-1	-5	16	12	-17	-71	-25	-29	17	-12	34	41	NO RF	-0.64	-0.04	0.02	0.08	-0.24	-0.18	0.27	1.11	0.39	0.45	-0.26	0.19	-0.53	-0.83
#####	-381	-740	-1065	-1390	-1690	-2015	-2365	-2740	-3015	-3340	-3615	-3965	-4240	-4490																																		
NO RF	41	2	-1	-5	16	12	-17	-71	-25	-29	17	-12	34	41																																		
NO RF	-0.64	-0.04	0.02	0.08	-0.24	-0.18	0.27	1.11	0.39	0.45	-0.26	0.19	-0.53	-0.83																																		



5.75 GHz INTERCEPT (mV) -4256  
SLOPE (mV/dB) -63.83

<b>Measured Value (mV)</b>	-381	-740	-1095	-1390	-1690	-2015	-2365	-2715	-3015	-3340	-3615	-3840	-4215	-4465
<b>Error (mV)</b>	46	8	0	-4	13	7	-24	-54	-35	-41	3	-3	41	47
<b>LINEARITY ERROR (dB)</b>	-0.72	-0.09	0.00	0.09	-0.21	-0.11	0.37	0.85	0.55	0.84	-0.05	0.04	-0.85	-0.73

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

6 GHz INTERCEPT (mV) -4253  
SLOPE (mV/dB) -63.75

<b>Measured Value (mV)</b>	-385	-740	-1095	-1390	-1690	-2015	-2365	-2715	-3015	-3315	-3615	-3840	-4215	-4465
<b>Error (mV)</b>	42	6	0	-4	13	6	-25	-54	-37	-19	0	-4	38	43
<b>LINEARITY ERROR (dB)</b>	-0.66	-0.10	0.00	0.00	-0.20	-0.10	0.38	0.88	0.59	0.29	0.00	0.09	-0.59	-0.67

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

6.25 GHz INTERCEPT (mV) -4249  
SLOPE (mV/dB) -63.3

<b>Measured Value (mV)</b>	-403	-765	-1090	-1415	-1715	-2015	-2365	-2715	-3015	-3315	-3615	-3840	-4215	-4465
<b>Error (mV)</b>	48	2	-6	-15	2	18	-15	-49	-32	-16	1	-8	34	37
<b>LINEARITY ERROR (dB)</b>	-0.76	-0.04	0.10	0.23	-0.03	-0.29	0.24	0.77	0.51	0.25	-0.01	0.12	-0.53	-0.58

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

6.5 GHz INTERCEPT (mV) -4246  
SLOPE (mV/dB) -63.29

<b>Measured Value (mV)</b>	-388	-765	-1090	-1415	-1715	-2015	-2365	-2715	-2990	-3315	-3615	-3840	-4215	-4465
<b>Error (mV)</b>	51	8	-8	-17	0	16	-17	-51	-18	-18	-2	-18	31	34
<b>LINEARITY ERROR (dB)</b>	-0.81	0.00	0.13	0.27	0.01	-0.25	0.28	0.81	0.15	0.29	0.03	0.16	-0.49	-0.54

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

6.75 GHz INTERCEPT (mV) -4246  
SLOPE (mV/dB) -63.25

<b>Measured Value (mV)</b>	-406	-765	-1090	-1415	-1715	-2015	-2365	-2715	-2990	-3315	-3615	-3840	-4215	-4465
<b>Error (mV)</b>	45	2	-7	-15	1	17	-17	-51	-9	-18	-2	-11	31	34
<b>LINEARITY ERROR (dB)</b>	-0.72	-0.03	0.11	0.24	-0.01	-0.27	0.27	0.80	0.15	0.29	0.03	0.17	-0.48	-0.53

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

7 GHz INTERCEPT (mV) -4248  
SLOPE (mV/dB) -63.14

<b>Measured Value (mV)</b>	-407	-790	-1115	-1415	-1715	-2015	-2365	-2715	-2980	-3315	-3615	-3840	-4240	-4465
<b>Error (mV)</b>	53	-14	-24	-8	8	23	-11	-45	-5	-14	2	-8	8	36
<b>LINEARITY ERROR (dB)</b>	-0.83	0.23	0.38	0.19	-0.12	-0.37	0.17	0.72	0.07	0.22	-0.03	0.12	-0.13	-0.56

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

7.25 GHz INTERCEPT (mV) -4252  
SLOPE (mV/dB) -62.80

<b>Measured Value (mV)</b>	-421	-815	-1115	-1440	-1740	-2040	-2365	-2715	-3015	-3340	-3615	-3840	-4240	-4465
<b>Error (mV)</b>	59	-20	-6	-17	-2	12	1	-34	-20	-31	9	-2	12	39
<b>LINEARITY ERROR (dB)</b>	-0.95	0.32	0.09	0.26	0.04	-0.19	-0.02	0.55	0.37	0.40	-0.14	0.03	-0.19	-0.81

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

7.5 GHz INTERCEPT (mV) -4255  
SLOPE (mV/dB) -62.65

<b>Measured Value (mV)</b>	-438	-840	-1140	-1440	-1740	-2040	-2365	-2740	-3015	-3340	-3615	-3885	-4240	-4465
<b>Error (mV)</b>	57	-31	-18	-4	9	22	10	-52	-13	-25	13	-24	15	40
<b>LINEARITY ERROR (dB)</b>	-0.92	0.49	0.28	0.07	-0.14	-0.35	-0.16	0.82	0.21	0.40	-0.21	0.30	-0.23	-0.64

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

7.75 GHz INTERCEPT (mV) -4254  
SLOPE (mV/dB) -62.59

<b>Measured Value (mV)</b>	-448	-840	-1140	-1440	-1740	-2040	-2365	-2740	-3015	-3340	-3615	-3885	-4240	-4465
<b>Error (mV)</b>	56	-29	-16	-3	10	23	11	-51	-13	-25	13	-24	14	39
<b>LINEARITY ERROR (dB)</b>	-0.81	0.46	0.25	0.05	-0.16	-0.37	-0.18	0.81	0.21	0.40	-0.21	0.30	-0.22	-0.63

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

8 GHz INTERCEPT (mV) -4248  
SLOPE (mV/dB) -62.48

<b>Measured Value (mV)</b>	-438	-840	-1140	-1440	-1765	-2040	-2365	-2715	-3015	-3340	-3615	-3840	-4240	-4465
<b>Error (mV)</b>	61	-28	-16	-3	-16	21	9	-29	-16	-29	8	-4	8	33
<b>LINEARITY ERROR (dB)</b>	-0.99	0.45	0.25	0.05	0.26	-0.34	-0.14	0.46	0.29	0.46	-0.14	0.07	-0.13	-0.53

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

8.25 GHz INTERCEPT (mV) -4253  
SLOPE (mV/dB) -62.22

<b>Measured Value (mV)</b>	-457	-840	-1140	-1440	-1740	-2040	-2365	-2715	-2980	-3315	-3615	-3840	-4215	-4465
<b>Error (mV)</b>	45	-27	-16	-5	7	18	4	-35	1	-13	-2	-16	20	19
<b>LINEARITY ERROR (dB)</b>	-0.72	0.43	0.25	0.07	-0.11	-0.20	-0.06	0.57	-0.01	0.21	0.03	0.26	-0.32	-0.31

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

8.5 GHz INTERCEPT (mV) -4231  
SLOPE (mV/dB) -62.07

<b>Measured Value (mV)</b>	-458	-840	-1140	-1465	-1740	-2040	-2365	-2715	-2980	-3315	-3580	-3840	-4215	-4465
<b>Error (mV)</b>	51	-23	-12	-27	8	19	4	-36	0	-15	20	-19	16	14
<b>LINEARITY ERROR (dB)</b>	-0.83	0.37	0.20	0.44	-0.13	-0.30	-0.06	0.58	0.01	0.24	-0.33	0.31	-0.26	-0.23

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

8.75 GHz INTERCEPT (mV) -4220  
SLOPE (mV/dB) -61.99

<b>Measured Value (mV)</b>	-448	-840	-1140	-1440	-1740	-2040	-2340	-2715	-2980	-3315	-3580	-3815	-4215	-4440
<b>Error (mV)</b>	55	-28	-18	-8	2	12	22	-44	-9	-24	11	-4	5	28
<b>LINEARITY ERROR (dB)</b>	-0.88	0.44	0.29	0.13	-0.03	-0.19	-0.35	0.70	0.14	0.39	-0.17	0.07	-0.09	-0.46

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

9 GHz INTERCEPT (mV) -4206  
SLOPE (mV/dB) -61.93

<b>Measured Value (mV)</b>	-437	-815	-1115	-1440	-1740	-2015	-2340	-2680	-2965	-3290	-3565	-3815	-4180	-4440
<b>Error (mV)</b>	56	-18	-8	-23	-13	22	6	-34	1	-14	21	-19	16	14
<b>LINEARITY ERROR (dB)</b>	-0.81	0.29	0.13	0.38	0.22	-0.35	-0.19	0.54	-0.02	0.22	-0.34	0.31	-0.25	-0.22

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

9.25 GHz INTERCEPT (mV) -4188  
SLOPE (mV/dB) -61.92

<b>Measured Value (mV)</b>	-423	-815	-1115	-1440	-1740	-2015	-2315	-2665	-2965	-3280	-3565	-3815	-4180	-4415
<b>Error (mV)</b>	60	-23	-13	-29	-19	16	25	-15	-8	-21	14	-27	8	20
<b>LINEARITY ERROR (dB)</b>	-0.97	0.37	0.21	0.46	0.31	-0.25	-0.41	0.25	0.09	0.34	-0.22	0.43	-0.13	-0.49

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

9.5 GHz INTERCEPT (mV) -4190  
SLOPE (mV/dB) -61.54

<b>Measured Value (mV)</b>	-431	-840	-1140	-1440	-1740	-2015	-2340	-2680	-2965	-3280	-3565	-3815	-4180	-4415
<b>Error (mV)</b>	53	-29	-20	-13	-5	20	10	-32	1	-17	16	-28	6	27
<b>LINEARITY ERROR (dB)</b>	-0.87	0.46	0.23	0.21	0.03	-0.45	-0.17	0.52	-0.01	0.27	-0.26	0.43	-0.16	-0.45

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

9.75 GHz INTERCEPT (mV) -4188  
SLOPE (mV/dB) -61.63

<b>Measured Value (mV)</b>	-442	-815	-1140	-1440	-1715	-2015	-2315	-2665	-2940	-3280	-3565	-3880	-4180	-4415
<b>Error (mV)</b>	48	-17	-34	-26	7	15	24	-18	15	-27	6	-11	-2	19
<b>LINEARITY ERROR (dB)</b>	-0.78	0.28	0.55	0.42	-0.12	-0.25	-0.38	0.30	-0.24	0.44	-0.19	0.17	0.04	-0.31

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

10 GHz INTERCEPT (mV) -4160  
SLOPE (mV/dB) -61.5

<b>Measured Value (mV)</b>	-417	-815	-1115	-1415	-1715	-1980	-2280	-2685	-2940	-3265	-3540	-3865	-4165	-4390
<b>Error (mV)</b>	60	-31	-24	-16	-9	24	31	-36	-4	-21	11	-6	1	22
<b>LINEARITY ERROR (dB)</b>	-0.97	0.51	0.29	0.27	0.14	-0.38	-0.51	0.59	0.06	0.35	-0.18	0.10	-0.02	-0.36

Measured Value (mV)  
Error (mV)  
LINEARITY ERROR (dB)

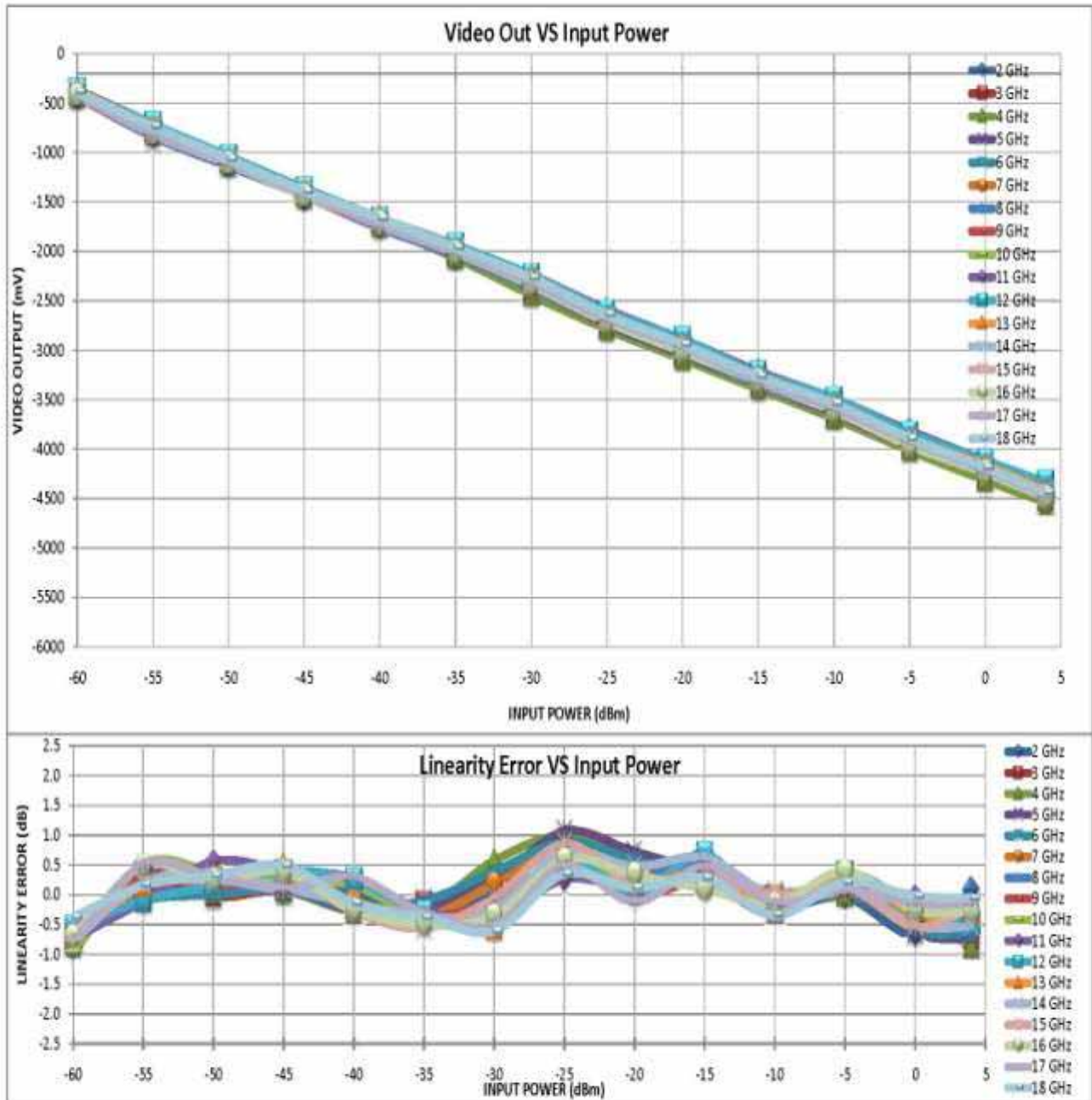




10.25 GHz	INTERCEPT (mV)	-4177	Measured Value (mV)	-4274	-4115	-4115	-4415	-1715	-2015	-2290	-2665	-2940	-3265	-3540	-3890	-4165	-4415	Error (mV)	-85	89	835	0.22	8.08	-0.95	-0.59	8.49	-0.85	0.22	-0.32	0.35	-8.19	-8.13	LINEARITY ERROR (dB)																
	SLOPE (mV/dB)	-81.66	Error (mV)	NO RF	52	-30	-22	-13	-5	3	37	-30	3	-13	20	-22	12	8	NO RF	-0.85	0.49	0.35	0.22	8.08	-0.95	-0.59	8.49	-0.85	0.22	-0.32	0.35	-8.19	-8.13	LINEARITY ERROR (dB)															
10.5 GHz	INTERCEPT (mV)	-4160	Measured Value (mV)	-4274	-790	-1115	-1415	-1715	-1990	-2290	-2640	-2940	-3285	-3540	-3885	-4140	-4390	Error (mV)	49	-18	-27	-28	-13	19	26	-18	-8	-27	5	-12	20	16	Error (mV)	-79	0.16	0.45	0.33	8.21	-0.31	-0.43	8.27	0.15	0.44	-0.89	0.38	-8.32	-8.25	LINEARITY ERROR (dB)	
	SLOPE (mV/dB)	-81.44	Error (mV)	NO RF	49	-18	-27	-28	-13	19	26	-18	-8	-27	5	-12	20	16	NO RF	-0.79	0.16	0.45	0.33	8.21	-0.31	-0.43	8.27	0.15	0.44	-0.89	0.38	-8.32	-8.25	LINEARITY ERROR (dB)															
10.75 GHz	INTERCEPT (mV)	-4139	Measured Value (mV)	-4403	-765	-1090	-1415	-1690	-1965	-2265	-2615	-2915	-3240	-3515	-3840	-4140	-4365	Error (mV)	49	-7	-24	-42	-10	23	30	-12	-5	-23	10	-8	-1	20	Error (mV)	-79	0.11	0.39	0.68	8.15	-0.37	-0.49	8.28	0.88	8.37	-0.16	0.13	8.81	-8.33	LINEARITY ERROR (dB)	
	SLOPE (mV/dB)	-81.47	Error (mV)	NO RF	49	-7	-24	-42	-10	23	30	-12	-5	-23	10	-8	-1	20	NO RF	-0.79	0.11	0.39	0.68	8.15	-0.37	-0.49	8.28	0.88	8.37	-0.16	0.13	8.81	-8.33	LINEARITY ERROR (dB)															
11 GHz	INTERCEPT (mV)	-4117	Measured Value (mV)	-3883	-715	-1065	-1365	-1665	-1940	-2240	-2590	-2890	-3215	-3490	-3815	-4115	-4340	Error (mV)	46	7	-34	-26	-17	17	25	-16	-7	-24	10	-7	2	24	Error (mV)	-74	-8.12	8.55	8.41	8.27	-0.27	-8.41	8.26	8.12	8.38	-8.16	8.11	-8.83	-8.39	LINEARITY ERROR (dB)	
	SLOPE (mV/dB)	-81.72	Error (mV)	NO RF	46	7	-34	-26	-17	17	25	-16	-7	-24	10	-7	2	24	NO RF	-0.74	-8.12	8.55	8.41	8.27	-0.27	-8.41	8.26	8.12	8.38	-8.16	8.11	-8.83	-8.39	LINEARITY ERROR (dB)															
11.25 GHz	INTERCEPT (mV)	-4140	Measured Value (mV)	-381	-740	-1065	-1390	-1665	-1965	-2240	-2615	-2890	-3240	-3515	-3840	-4140	-4365	Error (mV)	43	-6	-22	-37	-2	7	42	-24	11	-29	5	-10	0	22	Error (mV)	-70	0.18	0.35	0.69	8.04	-8.12	-8.67	8.38	-8.18	8.47	-8.89	8.16	8.81	-8.38	-8.38	LINEARITY ERROR (dB)
	SLOPE (mV/dB)	-81.93	Error (mV)	NO RF	43	-6	-22	-37	-2	7	42	-24	11	-29	5	-10	0	22	NO RF	-0.70	0.18	0.35	0.69	8.04	-8.12	-8.67	8.38	-8.18	8.47	-8.89	8.16	8.81	-8.38	-8.38	LINEARITY ERROR (dB)														
11.5 GHz	INTERCEPT (mV)	-4126	Measured Value (mV)	-374	-740	-1065	-1365	-1665	-1965	-2240	-2615	-2890	-3240	-3490	-3840	-4115	-4340	Error (mV)	49	-8	-24	-18	-7	1	35	-32	2	-40	19	-23	11	33	Error (mV)	-80	0.13	0.39	0.26	8.12	-8.82	-8.58	8.51	-8.83	8.64	-8.20	8.37	-8.17	-8.53	LINEARITY ERROR (dB)	
	SLOPE (mV/dB)	-81.7	Error (mV)	NO RF	49	-8	-24	-18	-7	1	35	-32	2	-40	19	-23	11	33	NO RF	-0.80	0.13	0.39	0.26	8.12	-8.82	-8.58	8.51	-8.83	8.64	-8.20	8.37	-8.17	-8.53	LINEARITY ERROR (dB)															
11.75 GHz	INTERCEPT (mV)	-4110	Measured Value (mV)	-365	-715	-1040	-1365	-1640	-1940	-2240	-2590	-2890	-3215	-3490	-3815	-4115	-4340	Error (mV)	39	-1	-17	-32	2	12	21	-19	-18	-25	9	-6	3	26	Error (mV)	-83	8.82	8.27	8.52	-8.83	-8.19	-8.34	8.31	8.16	8.41	-8.15	8.18	-8.85	-8.41	LINEARITY ERROR (dB)	
	SLOPE (mV/dB)	-81.9	Error (mV)	NO RF	39	-1	-17	-32	2	12	21	-19	-18	-25	9	-6	3	26	NO RF	-0.83	8.82	8.27	8.52	-8.83	-8.19	-8.34	8.31	8.16	8.41	-8.15	8.18	-8.85	-8.41	LINEARITY ERROR (dB)															
12 GHz	INTERCEPT (mV)	-4127	Measured Value (mV)	-378	-715	-1040	-1365	-1665	-1940	-2240	-2615	-2890	-3240	-3490	-3840	-4115	-4340	Error (mV)	33	6	-10	-25	-15	19	29	-36	-2	-42	18	-23	12	35	Error (mV)	-54	-8.89	8.16	8.48	8.25	-8.21	-8.47	8.59	8.83	8.88	-8.28	8.36	-8.20	-8.56	LINEARITY ERROR (dB)	
	SLOPE (mV/dB)	-81.94	Error (mV)	NO RF	33	6	-10	-25	-15	19	29	-36	-2	-42	18	-23	12	35	NO RF	-0.54	-8.89	8.16	8.48	8.25	-8.21	-8.47	8.59	8.83	8.88	-8.28	8.36	-8.20	-8.56	LINEARITY ERROR (dB)															
12.25 GHz	INTERCEPT (mV)	-4146	Measured Value (mV)	-368	-715	-1065	-1365	-1665	-1965	-2240	-2615	-2915	-3240	-3515	-3840	-4140	-4365	Error (mV)	49	6	-33	-21	-10	1	38	-26	-15	-28	8	-5	6	30	Error (mV)	-79	-8.89	8.53	8.34	8.16	-8.82	-8.81	8.42	8.23	8.45	-8.13	8.89	-8.10	-8.48	LINEARITY ERROR (dB)	
	SLOPE (mV/dB)	-82.28	Error (mV)	NO RF	49	6	-33	-21	-10	1	38	-26	-15	-28	8	-5	6	30	NO RF	-0.79	-8.89	8.53	8.34	8.16	-8.82	-8.81	8.42	8.23	8.45	-8.13	8.89	-8.10	-8.48	LINEARITY ERROR (dB)															
12.5 GHz	INTERCEPT (mV)	-4189	Measured Value (mV)	-381	-740	-1065	-1390	-1665	-1965	-2265	-2640	-2915	-3265	-3540	-3885	-4165	-4390	Error (mV)	40	-7	-19	-32	5	17	30	-33	4	-33	4	-8	4	28	Error (mV)	-85	8.11	8.31	8.51	-8.88	-8.28	-8.48	8.53	-8.87	8.53	-8.86	8.14	-8.88	-8.45	LINEARITY ERROR (dB)	
	SLOPE (mV/dB)	-82.46	Error (mV)	NO RF	40	-7	-19	-32	5	17	30	-33	4	-33	4	-8	4	28	NO RF	-0.85	8.11	8.31	8.51	-8.88	-8.28	-8.48	8.53	-8.87	8.53	-8.86	8.14	-8.88	-8.45	LINEARITY ERROR (dB)															
12.75 GHz	INTERCEPT (mV)	-4174	Measured Value (mV)	-371	-715	-1040	-1365	-1640	-1940	-2265	-2640	-2940	-3265	-3540	-3885	-4165	-4390	Error (mV)	27	-3	-13	-23	14	31	21	-40	-25	-35	5	-6	9	36	Error (mV)	-42	8.84	8.20	8.37	-8.26	-8.49	-8.33	8.83	8.39	8.58	-8.87	8.89	-8.14	-8.57	LINEARITY ERROR (dB)	
	SLOPE (mV/dB)	-82.93	Error (mV)	NO RF	27	-3	-13	-23	14	31	21	-40	-25	-35	5	-6	9	36	NO RF	-0.42	8.84	8.20	8.37	-8.26	-8.49	-8.33	8.83	8.39	8.58	-8.87	8.89	-8.14	-8.57	LINEARITY ERROR (dB)															
13 GHz	INTERCEPT (mV)	-4194	Measured Value (mV)	-378	-740	-1065	-1390	-1665	-1965	-2285	-2665	-2940	-3265	-3540	-3890	-4165	-4415	Error (mV)	41	-8	-19	-38	8	22	36	-30	-11	-23	14	-20	19	20	Error (mV)	-65	8.13	8.31	8.49	-8.13	-8.35	-8.57	8.88	8.18	8.36	-8.26	8.32	-8.30	-8.32	LINEARITY ERROR (dB)	
	SLOPE (mV/dB)	-82.76	Error (mV)	NO RF	41	-8	-19	-38	8	22	36	-30	-11	-23	14	-20	19	20	NO RF	-0.65	8.13	8.31	8.49	-8.13	-8.35	-8.57	8.88	8.18	8.36	-8.26	8.32	-8.30	-8.32	LINEARITY ERROR (dB)															
13.25 GHz	INTERCEPT (mV)	-4207	Measured Value (mV)	-483	-765	-1090	-1390	-1690	-1990	-2290	-2665	-2965	-3290	-3565	-3915	-4190	-4440	Error (mV)	25	-13	-24	-18	4	19	32	-29	-14	-25	14	-22	17	18	Error (mV)	-55	8.21	8.38	8.16	-8.86	-8.29	-8.51	8.46	8.23	8.48	-8.22	8.35	-8.27	-8.29	LINEARITY ERROR (dB)	
	SLOPE (mV/dB)	-82.83	Error (mV)	NO RF	25	-13	-24	-18	4	19	32	-29	-14	-25	14	-22	17	18	NO RF	-0.55	8.21	8.38	8.16	-8.86	-8.29	-8.51	8.46	8.23	8.48	-8.22	8.35	-8.27	-8.29	LINEARITY ERROR (dB)															
13.5 GHz	INTERCEPT (mV)	-4212	Measured Value (mV)	-393	-765	-1090	-1390	-1690	-1990	-2315	-2690	-2965	-3290	-3565	-3915	-4190	-4440	Error (mV)	46	-12	-23	-8	6	20	18	-51	-11	-22	18	-16	22	23	Error (mV)	-74	8.29	8.37	8.14	-8.89	-8.32	-8.16	8.81	8.18	8.35	-8.28	8.29	-8.34	-8.37	LINEARITY ERROR (dB)	
	SLOPE (mV/dB)	-82.89	Error (mV)	NO RF	46	-12	-23	-8	6	20	18	-51	-11	-22	18	-16	22	23	NO RF	-0.74	8.29	8.37	8.14	-8.89	-8.32	-8.16	8.81	8.18	8.35	-8.28	8.29	-8.34	-8.37	LINEARITY ERROR (dB)															
13.75 GHz	INTERCEPT (mV)	-4226	Measured Value (mV)	-398	-765	-1090	-1390	-1690	-1990	-2315	-2690	-2965	-3290	-3590	-3915	-4215	-4465	Error (mV)	36	-15	-24	-8	8	24	15	-44	-3	-12	4	-5	11	14	Error (mV)	-57	8.24	8.38	8.13	-8.13	-8.38	-8.24	8.78	8.85	8.18	-8.86	8.88	-8.17	-8.22	LINEARITY ERROR (dB)	
	SLOPE (mV/dB)	-83.2	Error (mV)	NO RF	36	-15	-24	-8	8	24	15	-44	-3	-12	4	-5	11	14	NO RF	-0.57	8.24	8.38	8.13	-8.13	-8.38	-8.24	8.78	8.85	8.18	-8.86	8.88	-8.17	-8.22	LINEARITY ERROR (dB)															
14 GHz	INTERCEPT (mV)	-4222	Measured Value (mV)	-398	-765	-1090	-1390	-1690	-1990	-2315	-2690	-2990	-3315	-3590	-3915	-4190	-4440	Error (mV)	49	-12	-22	-7	9	24	15	-45	-30	-39	1	-8	32	34	Error (mV)	-77	8.28	8.35	8.11	-8.14	-8.38	-8.23	8.71	8.47	8.62	-8.82	8.13	-8.51	-8.54	LINEARITY ERROR (dB)	
	SLOPE (mV/dB)	-83.88	Error (mV)	NO RF	49	-12	-22	-7	9	24	15	-45	-30	-39	1																																		



				NO RF	-0.59	0.11	0.21	0.32	-0.26	-0.25	-0.14	0.75	0.47	0.18	-0.18	0.01	-0.20	-0.35	LINEARITY ERROR (dB)
14.75 GHz	INTERCEPT (mV)	-4249	Measured Value (mV)	NO RF	-391	-765	-1090	-1415	-1690	-1990	-2340	-2715	-2990	-3315	-3615	-3940	-4215	-4490	Error (mV)
	SLOPE (mV/dB)	-83.53	Error (mV)	NO RF	40	-10	-17	-25	18	36	3	-54	-11	-18	-1	-8	34	13	LINEARITY ERROR (dB)
			LINEARITY ERROR (dB)	NO RF	-0.83	0.15	0.27	0.39	-0.29	-0.58	-0.85	0.85	0.18	0.29	0.02	0.13	-0.54	-0.21	
15 GHz	INTERCEPT (mV)	-4349	Measured Value (mV)	NO RF	-398	-785	-1090	-1415	-1690	-1990	-2340	-2715	-2990	-3315	-3615	-3940	-4215	-4490	Error (mV)
	SLOPE (mV/dB)	-83.53	Error (mV)	NO RF	40	-10	-17	-25	18	36	3	-54	-11	-18	-1	-8	34	13	LINEARITY ERROR (dB)
			LINEARITY ERROR (dB)	NO RF	-0.83	0.15	0.27	0.39	-0.29	-0.58	-0.85	0.85	0.18	0.29	0.02	0.13	-0.54	-0.21	
15.25 GHz	INTERCEPT (mV)	-4365	Measured Value (mV)	NO RF	-403	-790	-1115	-1415	-1715	-2015	-2365	-2715	-2915	-3240	-3615	-3965	-4260	-4490	Error (mV)
	SLOPE (mV/dB)	-83.49	Error (mV)	NO RF	53	-17	-25	-8	10	27	-5	-38	-20	-28	15	-18	25	29	LINEARITY ERROR (dB)
			LINEARITY ERROR (dB)	NO RF	-0.83	0.27	0.39	0.12	-0.16	-0.43	0.88	0.59	0.22	0.44	-0.23	0.29	-0.36	-0.45	
15.5 GHz	INTERCEPT (mV)	-4380	Measured Value (mV)	NO RF	-417	-815	-1115	-1440	-1715	-2040	-2365	-2740	-2940	-3240	-3640	-3965	-4265	-4515	Error (mV)
	SLOPE (mV/dB)	-83.43	Error (mV)	NO RF	56	-24	-7	-15	27	20	12	-46	-29	-11	6	-2	15	19	LINEARITY ERROR (dB)
			LINEARITY ERROR (dB)	NO RF	-0.57	0.39	0.11	0.24	-0.43	-0.31	-0.19	0.72	0.45	0.18	-0.09	0.89	-0.24	-0.30	
15.75 GHz	INTERCEPT (mV)	-4359	Measured Value (mV)	NO RF	-412	-790	-1115	-1415	-1715	-2015	-2340	-2715	-2915	-3215	-3615	-3965	-4260	-4490	Error (mV)
	SLOPE (mV/dB)	-83.39	Error (mV)	NO RF	43	-18	-26	-9	8	25	17	-41	-24	-7	10	-25	19	23	LINEARITY ERROR (dB)
			LINEARITY ERROR (dB)	NO RF	-0.69	0.28	0.40	0.14	-0.13	-0.40	-0.27	0.64	0.38	0.11	-0.16	0.36	-0.30	-0.26	
16 GHz	INTERCEPT (mV)	-4350	Measured Value (mV)	NO RF	-424	-815	-1115	-1440	-1715	-2015	-2340	-2715	-2915	-3315	-3615	-3965	-4260	-4490	Error (mV)
	SLOPE (mV/dB)	-83.12	Error (mV)	NO RF	44	-31	-15	-34	16	32	22	-37	-21	-6	10	-25	16	19	LINEARITY ERROR (dB)
			LINEARITY ERROR (dB)	NO RF	-0.70	0.49	0.24	0.39	-0.26	-0.50	-0.35	0.59	0.34	0.09	-0.16	0.39	-0.25	-0.29	
16.25 GHz	INTERCEPT (mV)	-4266	Measured Value (mV)	NO RF	-421	-815	-1115	-1440	-1740	-2015	-2365	-2715	-2915	-3240	-3615	-3965	-4260	-4515	Error (mV)
	SLOPE (mV/dB)	-83.22	Error (mV)	NO RF	43	-26	-18	-19	-2	39	5	-29	-13	-22	19	-15	26	4	LINEARITY ERROR (dB)
			LINEARITY ERROR (dB)	NO RF	-0.67	0.41	0.15	0.29	0.04	-0.61	-0.07	0.46	0.21	0.35	-0.20	0.23	-0.42	-0.67	
16.5 GHz	INTERCEPT (mV)	-4246	Measured Value (mV)	NO RF	-413	-815	-1115	-1440	-1715	-2015	-2340	-2715	-2990	-3315	-3590	-3940	-4260	-4490	Error (mV)
	SLOPE (mV/dB)	-82.97	Error (mV)	NO RF	54	-33	-18	-28	12	27	17	-44	-4	-14	26	-9	6	8	LINEARITY ERROR (dB)
			LINEARITY ERROR (dB)	NO RF	-0.36	0.52	0.20	0.45	-0.19	-0.42	-0.26	0.69	0.06	0.22	-0.41	0.14	-0.09	-0.12	
16.75 GHz	INTERCEPT (mV)	-4242	Measured Value (mV)	NO RF	-429	-815	-1115	-1440	-1715	-2015	-2340	-2690	-2990	-3315	-3590	-3940	-4260	-4490	Error (mV)
	SLOPE (mV/dB)	-82.87	Error (mV)	NO RF	41	-31	-16	-27	12	27	16	-19	-5	-16	24	-12	2	4	LINEARITY ERROR (dB)
			LINEARITY ERROR (dB)	NO RF	-0.65	0.49	0.26	0.43	-0.20	-0.43	-0.26	0.31	0.08	0.25	-0.28	0.19	-0.04	-0.06	
17 GHz	INTERCEPT (mV)	-4224	Measured Value (mV)	NO RF	-421	-815	-1115	-1415	-1740	-2015	-2315	-2690	-2965	-3315	-3590	-3915	-4215	-4465	Error (mV)
	SLOPE (mV/dB)	-82.55	Error (mV)	NO RF	50	-31	-18	-6	-19	20	32	-30	8	-29	9	-4	9	9	LINEARITY ERROR (dB)
			LINEARITY ERROR (dB)	NO RF	-0.79	0.59	0.30	0.08	0.26	-0.31	-0.52	0.48	-0.13	0.47	-0.14	0.44	-0.15	-0.15	
17.25 GHz	INTERCEPT (mV)	-4224	Measured Value (mV)	NO RF	-415	-815	-1115	-1440	-1715	-2015	-2315	-2690	-2965	-3315	-3590	-3915	-4215	-4465	Error (mV)
	SLOPE (mV/dB)	-82.57	Error (mV)	NO RF	55	-32	-19	-32	6	19	32	-30	8	-30	8	-4	9	9	LINEARITY ERROR (dB)
			LINEARITY ERROR (dB)	NO RF	-0.30	0.51	0.31	0.59	-0.10	-0.31	-0.31	0.48	-0.12	0.47	-0.12	0.08	-0.14	-0.15	
17.5 GHz	INTERCEPT (mV)	-4218	Measured Value (mV)	NO RF	-412	-790	-1115	-1415	-1715	-1990	-2315	-2690	-2965	-3290	-3565	-3915	-4215	-4465	Error (mV)
	SLOPE (mV/dB)	-82.60	Error (mV)	NO RF	45	-20	-31	-18	-4	34	23	-39	-1	-12	26	-10	3	4	LINEARITY ERROR (dB)
			LINEARITY ERROR (dB)	NO RF	-0.72	0.31	0.50	0.29	0.07	-0.54	-0.36	0.62	0.01	0.19	-0.42	0.17	-0.05	-0.06	
17.75 GHz	INTERCEPT (mV)	-4202	Measured Value (mV)	NO RF	-404	-790	-1090	-1415	-1690	-1990	-2290	-2665	-2940	-3290	-3565	-3915	-4190	-4440	Error (mV)
	SLOPE (mV/dB)	-82.59	Error (mV)	NO RF	43	-30	-17	-29	9	22	35	-27	11	-26	11	-26	12	13	LINEARITY ERROR (dB)
			LINEARITY ERROR (dB)	NO RF	-0.69	0.48	0.27	0.46	-0.14	-0.35	-0.55	0.44	-0.17	0.42	-0.18	0.41	-0.20	-0.20	
18 GHz	INTERCEPT (mV)	-4191	Measured Value (mV)	NO RF	-392	-740	-1065	-1390	-1665	-1965	-2265	-2640	-2940	-3265	-3540	-3890	-4190	-4440	Error (mV)
	SLOPE (mV/dB)	-82.93	Error (mV)	NO RF	24	-10	-20	-31	9	24	38	-22	-7	-18	22	-13	1	3	LINEARITY ERROR (dB)
	Max Slope (mV/dB)	-61.4	LINEARITY ERROR (dB)	NO RF	-0.38	0.16	0.32	0.49	-0.14	-0.38	-0.61	0.35	0.12	0.28	-0.35	0.21	-0.02	-0.05	
	Min Slope (mV/dB)	-64.8																	
	Average slope (mV/dB)	-62.96																	
	Flatness (dB)				0.77	0.99	0.79	0.79	0.99	0.99	1.59	1.59	1.59	1.39	1.59	1.59	1.59	1.59	





# 7 FOOT CABLE 99.1Ω Load 10.8VDC @ +95°C DC OFFSET -115 mV

LOG TRANSFER WITH FREQUENCY @ 95°C  
MODEL: ERDLVA-218-CW-LPD  
TESTED BY: P.Kuhn  
SERIAL No.: PL91551126

Friday, July 01, 2011  
4:11 PM



PLANAR MONOLITHICS INDUSTRIES  
7311-F GROVE ROAD, FREDERICK, MD 21704 USA  
TEL: 301-662-5019 FAX: 301-662-1731  
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Frequency

Frequency	Intercept (mV)	Slope (mV/dB)	-90	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	4	RF Input Power (dBm)
2 GHz	INTERCEPT (mV)	5153	#####	507	-965	-1340	-1715	-2090	-2440	-2840	-3290	-3640	-4040	-4365	-4765	-5115	-5465	Measured Value (mV)
	SLOPE (mV/dB)	-76.6	NO RF	50	-25	-17	-9	-1	32	15	-52	-19	-36	22	5	38	-5	Error (mV)
			NO RF	-0.66	0.32	0.22	0.12	0.01	-0.42	-0.20	0.68	0.25	0.47	-0.29	-0.07	-0.50	0.07	
2.25 GHz	INTERCEPT (mV)	5166	#####	507	-965	-1340	-1715	-2090	-2465	-2865	-3290	-3665	-4040	-4390	-4790	-5140	-5440	Measured Value (mV)
	SLOPE (mV/dB)	-76.75	NO RF	54	-20	-11	-3	6	15	-1	-42	-34	-25	9	-7	26	33	Error (mV)
			NO RF	-0.70	0.26	0.15	0.03	-0.08	-0.20	0.02	0.55	0.44	0.33	-0.11	0.10	-0.34	-0.43	
2.5 GHz	INTERCEPT (mV)	5166	#####	507	-965	-1340	-1715	-2090	-2465	-2865	-3290	-3665	-4040	-4390	-4790	-5140	-5440	Measured Value (mV)
	SLOPE (mV/dB)	-76.75	NO RF	54	-20	-11	-3	6	15	-1	-42	-34	-25	9	-7	26	33	Error (mV)
			NO RF	-0.70	0.26	0.15	0.03	-0.08	-0.20	0.02	0.55	0.44	0.33	-0.11	0.10	-0.34	-0.43	
2.75 GHz	INTERCEPT (mV)	5161	#####	499	-965	-1340	-1715	-2090	-2465	-2840	-3265	-3640	-4040	-4390	-4790	-5140	-5440	Measured Value (mV)
	SLOPE (mV/dB)	-76.76	NO RF	56	-26	-17	-9	0	9	18	-23	-15	-31	3	-13	21	28	Error (mV)
			NO RF	-0.72	0.34	0.23	0.11	0.00	-0.12	-0.23	0.30	0.19	0.40	-0.04	0.17	-0.27	-0.36	
3 GHz	INTERCEPT (mV)	5214	#####	512	-990	-1340	-1740	-2115	-2490	-2915	-3340	-3715	-4065	-4440	-4840	-5190	-5465	Measured Value (mV)
	SLOPE (mV/dB)	-77.3	NO RF	64	-28	9	5	7	18	20	-59	-47	-11	1	-12	24	58	Error (mV)
			NO RF	-0.83	0.36	-0.11	0.06	-0.09	-0.24	0.26	0.76	0.61	0.14	-0.01	0.16	-0.31	-0.75	
3.25 GHz	INTERCEPT (mV)	5219	#####	517	-990	-1340	-1740	-2115	-2490	-2915	-3340	-3715	-4065	-4440	-4840	-5190	-5490	Measured Value (mV)
	SLOPE (mV/dB)	-77.42	NO RF	58	-29	8	5	8	20	-18	-56	-44	-7	5	-8	29	39	Error (mV)
			NO RF	-0.74	0.37	-0.11	0.06	-0.10	-0.25	0.24	0.73	0.57	0.09	-0.07	0.10	-0.38	-0.50	
3.5 GHz	INTERCEPT (mV)	5232	#####	521	-965	-1365	-1740	-2115	-2490	-2915	-3340	-3715	-4090	-4465	-4840	-5215	-5490	Measured Value (mV)
	SLOPE (mV/dB)	-77.67	NO RF	51	-5	-17	-3	10	23	-13	-50	-36	-23	-10	4	17	53	Error (mV)
			NO RF	-0.66	0.06	0.21	0.04	-0.13	-0.30	0.17	0.64	0.47	0.30	0.13	-0.05	-0.22	-0.68	
3.75 GHz	INTERCEPT (mV)	5246	#####	496	-965	-1340	-1715	-2115	-2490	-2940	-3365	-3740	-4090	-4465	-4865	-5215	-5490	Measured Value (mV)
	SLOPE (mV/dB)	-78.12	NO RF	61	-15	0	16	6	22	-37	-72	-56	-16	0	-9	31	69	Error (mV)
			NO RF	-0.78	0.20	0.00	-0.20	-0.08	-0.26	0.48	0.92	0.72	0.20	0.00	0.12	-0.40	-0.88	
4 GHz	INTERCEPT (mV)	5246	#####	493	-965	-1340	-1715	-2090	-2490	-2940	-3365	-3740	-4090	-4465	-4865	-5215	-5490	Measured Value (mV)
	SLOPE (mV/dB)	-78.2	NO RF	61	-20	4	12	28	19	40	-74	-58	-17	-1	-10	31	69	Error (mV)
			NO RF	-0.78	0.25	0.06	-0.16	-0.36	-0.25	0.51	0.94	0.74	0.21	0.01	0.12	-0.40	-0.88	
4.25 GHz	INTERCEPT (mV)	5226	#####	488	-915	-1315	-1690	-2065	-2465	-2915	-3340	-3715	-4090	-4440	-4840	-5190	-5465	Measured Value (mV)
	SLOPE (mV/dB)	-78.38	NO RF	55	0	8	9	26	18	40	-73	-56	-39	2	-6	36	75	Error (mV)
			NO RF	-0.71	-0.01	0.10	-0.12	-0.33	-0.23	0.51	0.93	0.72	0.50	-0.03	0.07	-0.46	-0.95	
4.5 GHz	INTERCEPT (mV)	5212	#####	465	-915	-1315	-1690	-2065	-2465	-2890	-3340	-3715	-4065	-4440	-4815	-5165	-5465	Measured Value (mV)
	SLOPE (mV/dB)	-78.13	NO RF	59	0	-9	6	22	12	-22	-81	-66	-25	-9	6	47	59	Error (mV)
			NO RF	-0.76	0.00	0.12	-0.08	-0.28	-0.16	0.28	1.04	0.84	0.32	0.12	-0.08	-0.80	-0.76	
4.75 GHz	INTERCEPT (mV)	5200	#####	453	-890	-1290	-1690	-2065	-2440	-2890	-3315	-3690	-4065	-4415	-4815	-5165	-5440	Measured Value (mV)
	SLOPE (mV/dB)	-78.19	NO RF	56	10	1	-8	8	24	-35	-69	-54	-38	3	-6	35	73	Error (mV)
			NO RF	-0.72	-0.13	-0.01	0.11	-0.10	-0.30	0.45	0.89	0.68	0.48	-0.04	0.07	0.45	-0.93	
5 GHz	INTERCEPT (mV)	5181	#####	448	-865	-1290	-1665	-2040	-2440	-2865	-3315	-3665	-4040	-4390	-4790	-5140	-5440	Measured Value (mV)
	SLOPE (mV/dB)	-78.09	NO RF	48	21	-13	2	17	8	-27	-86	-46	-30	10	1	41	54	Error (mV)
			NO RF	-0.61	-0.27	0.17	-0.03	-0.22	-0.10	0.34	1.10	0.58	0.30	-0.13	-0.01	-0.53	-0.69	
5.25 GHz	INTERCEPT (mV)	5164	#####	443	-865	-1290	-1665	-2040	-2440	-2840	-3290	-3640	-4040	-4390	-4790	-5115	-5415	Measured Value (mV)
	SLOPE (mV/dB)	-77.82	NO RF	52	19	-17	-3	12	1	-10	-71	-32	-43	4	-15	49	61	Error (mV)
			NO RF	-0.67	-0.25	0.21	0.03	-0.15	-0.01	0.13	0.91	0.41	0.55	0.05	0.19	-0.84	-0.78	
5.5 GHz	INTERCEPT (mV)	5163	#####	463	-890	-1290	-1665	-2040	-2440	-2865	-3290	-3640	-4040	-4390	-4790	-5115	-5415	Measured Value (mV)
	SLOPE (mV/dB)	-77.57	NO RF	45	6	-6	7	20	8	-30	-67	-29	-41	-3	-15	48	58	Error (mV)
			NO RF	-0.58	-0.08	0.08	-0.09	-0.25	-0.10	0.38	0.86	0.37	0.53	0.04	0.20	-0.61	-0.75	

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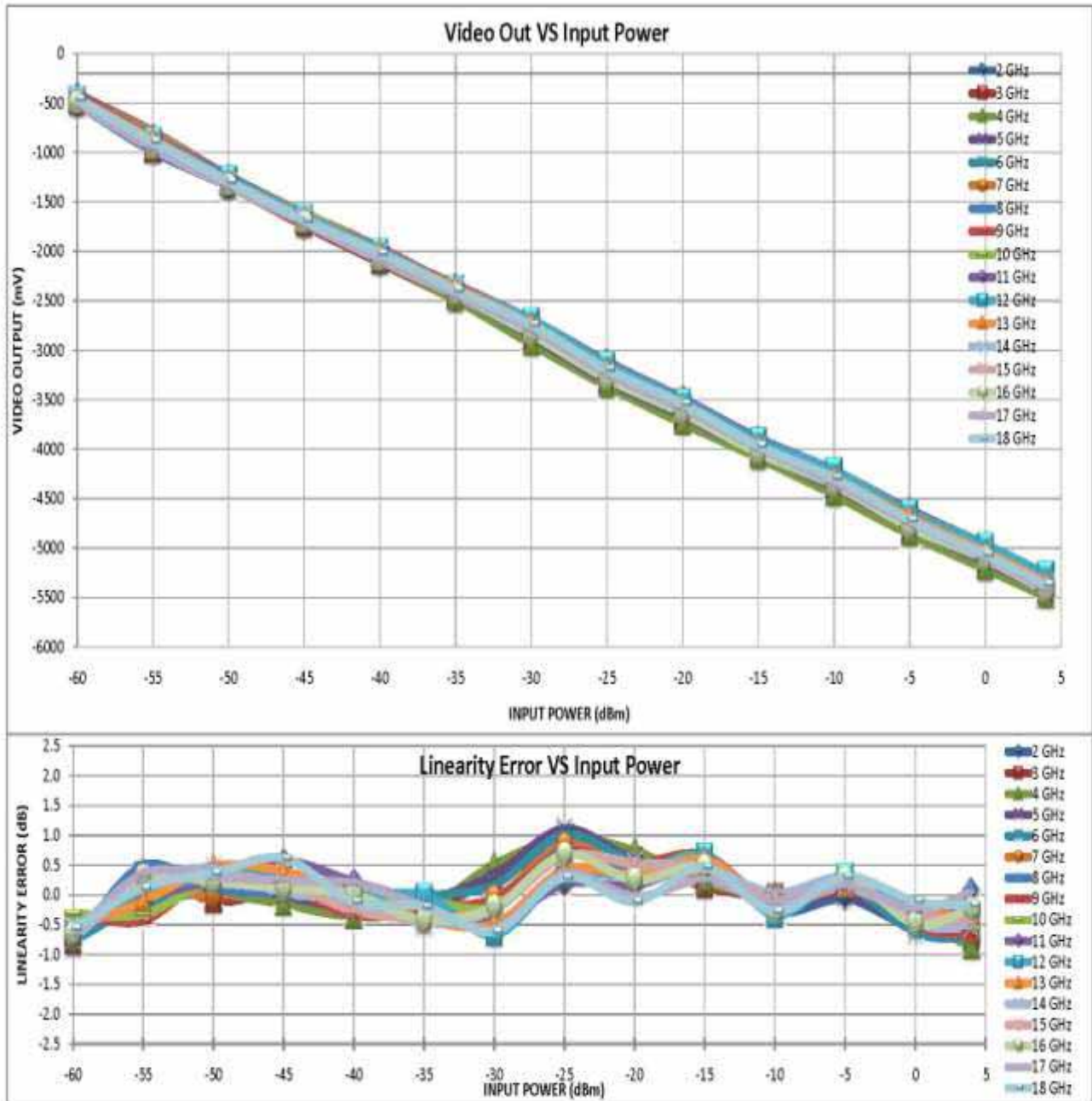
5.75 GHz	INTERCEPT (mV)	-5154														Measured Value (mV)		
	SLOPE (mV/dB)	-77.48														Error (mV)		
			NO RF	-51	-96	-1290	-1665	-2040	-2440	-2840	-3290	-3640	-4040	-4365	-4765	-5115	-5415	LINEARITY ERROR (dB)
			NO RF	54	2	-18	2	15	2	-11	-73	-36	48	14	1	38	49	
			NO RF	-0.70	-6.03	0.13	-8.03	-0.19	-8.03	0.34	0.94	0.40	0.63	-0.18	-8.92	-0.36	-8.63	
6 GHz	INTERCEPT (mV)	-5139														Measured Value (mV)		
	SLOPE (mV/dB)	-77.85														Error (mV)		
			NO RF	60	11	-4	-19	17	2	-13	-78	-42	-32	3	-11	48	57	LINEARITY ERROR (dB)
			NO RF	-0.78	-6.14	0.85	0.24	-0.22	-8.03	0.17	1.01	0.55	0.42	-0.04	0.15	-8.63	-8.74	
6.25 GHz	INTERCEPT (mV)	-5135														Measured Value (mV)		
	SLOPE (mV/dB)	-76.69														Error (mV)		
			NO RF	62	3	-14	-5	3	11	-5	-72	-39	-38	3	-13	45	52	LINEARITY ERROR (dB)
			NO RF	-0.80	-6.04	0.19	0.07	-0.94	-4.15	0.87	0.94	0.50	0.28	-0.94	0.17	-6.59	-8.67	
6.5 GHz	INTERCEPT (mV)	-5135														Measured Value (mV)		
	SLOPE (mV/dB)	-76.72														Error (mV)		
			NO RF	53	8	-16	-8	1	18	-7	-48	-15	-31	3	-14	28	52	LINEARITY ERROR (dB)
			NO RF	-0.89	0.88	0.21	0.18	-0.91	-4.13	0.89	0.63	0.19	0.48	-0.03	0.18	-6.26	-8.67	
6.75 GHz	INTERCEPT (mV)	-5129														Measured Value (mV)		
	SLOPE (mV/dB)	-76.96														Error (mV)		
			NO RF	58	3	-14	-6	2	18	-8	-50	-17	-34	-1	-19	38	45	LINEARITY ERROR (dB)
			NO RF	-0.86	-6.04	0.18	0.09	-0.92	-4.12	0.18	0.65	0.22	0.45	0.02	0.24	-8.31	-8.39	
7 GHz	INTERCEPT (mV)	-5136														Measured Value (mV)		
	SLOPE (mV/dB)	-76.38														Error (mV)		
			NO RF	52	-5	2	-16	-9	23	5	-64	-32	-25	7	-11	21	52	LINEARITY ERROR (dB)
			NO RF	-0.88	0.87	-0.82	0.21	0.12	-8.28	-0.86	0.83	0.41	0.32	-0.88	0.14	-8.28	-8.88	
7.25 GHz	INTERCEPT (mV)	-5139														Measured Value (mV)		
	SLOPE (mV/dB)	-76.13														Error (mV)		
			NO RF	62	-14	-8	-2	3	9	-10	-55	-34	-43	12	-7	24	53	LINEARITY ERROR (dB)
			NO RF	-0.82	0.18	0.10	0.03	-0.84	-4.12	0.14	0.72	0.22	0.57	-0.16	0.89	-8.31	-8.70	
7.5 GHz	INTERCEPT (mV)	-5146														Measured Value (mV)		
	SLOPE (mV/dB)	-76.87														Error (mV)		
			NO RF	66	-27	3	-17	-11	19	-1	-45	-15	-35	21	-24	31	36	LINEARITY ERROR (dB)
			NO RF	-0.88	0.38	-0.84	0.22	0.15	-4.25	0.81	0.60	0.20	0.46	-0.27	0.22	-8.41	-8.47	
7.75 GHz	INTERCEPT (mV)	-5144														Measured Value (mV)		
	SLOPE (mV/dB)	-75.88														Error (mV)		
			NO RF	59	-19	-15	-11	-8	23	3	-43	-14	-34	20	-25	29	33	LINEARITY ERROR (dB)
			NO RF	-0.78	0.25	0.20	0.14	0.88	-4.31	-0.84	0.57	0.18	0.45	-0.27	0.33	-8.38	-8.43	
8 GHz	INTERCEPT (mV)	-5134														Measured Value (mV)		
	SLOPE (mV/dB)	-76.83														Error (mV)		
			NO RF	68	-37	-7	-2	3	33	13	-56	-26	-46	9	-11	19	48	LINEARITY ERROR (dB)
			NO RF	-0.80	0.49	0.10	0.03	-0.84	-4.44	-0.16	0.74	0.25	0.81	-0.12	0.14	-8.25	-8.84	
8.25 GHz	INTERCEPT (mV)	-5127														Measured Value (mV)		
	SLOPE (mV/dB)	-76.85														Error (mV)		
			NO RF	67	-21	-16	-11	-6	25	5	-60	-34	-29	1	-19	37	41	LINEARITY ERROR (dB)
			NO RF	-0.88	0.28	0.21	0.14	0.87	-4.32	-0.87	0.52	0.45	0.38	-0.91	0.24	-8.48	-8.54	
8.5 GHz	INTERCEPT (mV)	-5128														Measured Value (mV)		
	SLOPE (mV/dB)	-76.58														Error (mV)		
			NO RF	42	8	-18	-18	-2	31	14	-53	-39	-37	-4	-22	36	42	LINEARITY ERROR (dB)
			NO RF	-0.54	0.81	0.23	0.13	0.82	-4.41	-0.18	0.89	0.26	0.49	0.08	0.28	-8.47	-8.56	
8.75 GHz	INTERCEPT (mV)	-5116														Measured Value (mV)		
	SLOPE (mV/dB)	-77.14														Error (mV)		
			NO RF	35	8	-6	-26	15	28	12	-53	-42	-58	5	-18	28	59	LINEARITY ERROR (dB)
			NO RF	-0.46	-8.11	0.88	0.28	-0.28	-4.34	-0.15	0.68	0.54	0.73	-0.88	0.13	-8.34	-8.77	
9 GHz	INTERCEPT (mV)	-5186														Measured Value (mV)		
	SLOPE (mV/dB)	-77.85														Error (mV)		
			NO RF	24	34	-27	-13	27	16	5	-55	-41	-52	12	-23	41	52	LINEARITY ERROR (dB)
			NO RF	-0.31	-8.44	0.34	0.18	-8.34	-4.28	-0.87	0.71	0.53	0.67	-0.16	0.38	-8.52	-8.67	
9.25 GHz	INTERCEPT (mV)	-5097														Measured Value (mV)		
	SLOPE (mV/dB)	-78.24														Error (mV)		
			NO RF	16	54	-38	-14	27	19	18	-74	-33	-47	-1	-9	32	70	LINEARITY ERROR (dB)
			NO RF	-0.28	-8.69	0.38	0.18	-8.35	-4.24	-0.12	0.95	0.42	0.85	0.01	0.12	-8.41	-8.89	
9.5 GHz	INTERCEPT (mV)	-5099														Measured Value (mV)		
	SLOPE (mV/dB)	-77.23														Error (mV)		
			NO RF	28	33	-28	-14	24	13	27	-59	-46	-57	7	-38	34	70	LINEARITY ERROR (dB)
			NO RF	-0.34	-8.43	0.38	0.18	-8.32	-4.17	-0.35	0.77	0.59	0.74	-0.88	0.35	-8.44	-8.90	
9.75 GHz	INTERCEPT (mV)	-5074														Measured Value (mV)		
	SLOPE (mV/dB)	-77.22														Error (mV)		
			NO RF	29	12	-27	-16	28	31	18	-46	-35	-48	12	-27	34	43	LINEARITY ERROR (dB)
			NO RF	-0.37	-8.15	0.35	0.28	-8.28	-4.41	-0.23	0.88	0.46	0.83	-0.16	0.35	-8.44	-8.56	
19 GHz	INTERCEPT (mV)	-5854														Measured Value (mV)		
	SLOPE (mV/dB)	-76.61														Error (mV)		
			NO RF	25	25	-17	-9	-1	7	15	-52	-19	-38	22	-28	14	45	LINEARITY ERROR (dB)
			NO RF	-0.32	-8.32	0.22	0.12	0.81	-8.89	-0.28	0.68	0.24	0.47	-0.28	0.28	-8.18	-8.59	



10.25 GHz	INTERCEPT (mV)	-5051	Measured Value (mV)	-5051																																													
	SLOPE (mV/dB)	-75.88	Error (mV)	0																																													
			LINEARITY ERROR (dB)	0																																													
<table border="1"> <tbody> <tr> <td>Power</td> <td>-448</td> <td>-485</td> <td>-1280</td> <td>-1865</td> <td>-2815</td> <td>-3265</td> <td>-2740</td> <td>-3190</td> <td>-3540</td> <td>-3985</td> <td>-4298</td> <td>-4890</td> <td>-5040</td> <td>-5215</td> </tr> <tr> <td>NO RF</td> <td>58</td> <td>11</td> <td>-34</td> <td>-29</td> <td>1</td> <td>6</td> <td>36</td> <td>-35</td> <td>-5</td> <td>-54</td> <td>5</td> <td>-15</td> <td>15</td> <td>44</td> </tr> <tr> <td>NO RF</td> <td>-8.66</td> <td>-0.15</td> <td>0.45</td> <td>0.38</td> <td>-0.81</td> <td>-0.87</td> <td>-0.47</td> <td>0.45</td> <td>0.86</td> <td>0.85</td> <td>-0.87</td> <td>0.20</td> <td>-0.20</td> <td>-0.58</td> </tr> </tbody> </table>					Power	-448	-485	-1280	-1865	-2815	-3265	-2740	-3190	-3540	-3985	-4298	-4890	-5040	-5215	NO RF	58	11	-34	-29	1	6	36	-35	-5	-54	5	-15	15	44	NO RF	-8.66	-0.15	0.45	0.38	-0.81	-0.87	-0.47	0.45	0.86	0.85	-0.87	0.20	-0.20	-0.58
Power	-448	-485	-1280	-1865	-2815	-3265	-2740	-3190	-3540	-3985	-4298	-4890	-5040	-5215																																			
NO RF	58	11	-34	-29	1	6	36	-35	-5	-54	5	-15	15	44																																			
NO RF	-8.66	-0.15	0.45	0.38	-0.81	-0.87	-0.47	0.45	0.86	0.85	-0.87	0.20	-0.20	-0.58																																			
10.5 GHz	INTERCEPT (mV)	-5038	Measured Value (mV)	-5038																																													
	SLOPE (mV/dB)	-75.3	Error (mV)	0																																													
			LINEARITY ERROR (dB)	0																																													
<table border="1"> <tbody> <tr> <td>Power</td> <td>-458</td> <td>-490</td> <td>-1290</td> <td>-1865</td> <td>-2815</td> <td>-3265</td> <td>-2740</td> <td>-3190</td> <td>-3540</td> <td>-3940</td> <td>-4265</td> <td>-4665</td> <td>-5015</td> <td>-5298</td> </tr> <tr> <td>NO RF</td> <td>58</td> <td>-2</td> <td>-25</td> <td>-24</td> <td>3</td> <td>4</td> <td>31</td> <td>-43</td> <td>-16</td> <td>-48</td> <td>12</td> <td>-12</td> <td>15</td> <td>41</td> </tr> <tr> <td>NO RF</td> <td>-0.74</td> <td>0.02</td> <td>0.34</td> <td>0.32</td> <td>-0.44</td> <td>-0.06</td> <td>-0.41</td> <td>0.57</td> <td>0.22</td> <td>0.53</td> <td>-0.16</td> <td>0.15</td> <td>-0.30</td> <td>-0.55</td> </tr> </tbody> </table>					Power	-458	-490	-1290	-1865	-2815	-3265	-2740	-3190	-3540	-3940	-4265	-4665	-5015	-5298	NO RF	58	-2	-25	-24	3	4	31	-43	-16	-48	12	-12	15	41	NO RF	-0.74	0.02	0.34	0.32	-0.44	-0.06	-0.41	0.57	0.22	0.53	-0.16	0.15	-0.30	-0.55
Power	-458	-490	-1290	-1865	-2815	-3265	-2740	-3190	-3540	-3940	-4265	-4665	-5015	-5298																																			
NO RF	58	-2	-25	-24	3	4	31	-43	-16	-48	12	-12	15	41																																			
NO RF	-0.74	0.02	0.34	0.32	-0.44	-0.06	-0.41	0.57	0.22	0.53	-0.16	0.15	-0.30	-0.55																																			
10.75 GHz	INTERCEPT (mV)	-5086	Measured Value (mV)	-5086																																													
	SLOPE (mV/dB)	-75.83	Error (mV)	0																																													
			LINEARITY ERROR (dB)	0																																													
<table border="1"> <tbody> <tr> <td>Power</td> <td>-456</td> <td>-485</td> <td>-1280</td> <td>-1865</td> <td>-2815</td> <td>-3265</td> <td>-2715</td> <td>-3165</td> <td>-3515</td> <td>-3915</td> <td>-4240</td> <td>-4685</td> <td>-4990</td> <td>-5265</td> </tr> <tr> <td>NO RF</td> <td>49</td> <td>15</td> <td>-35</td> <td>-35</td> <td>-18</td> <td>15</td> <td>40</td> <td>-35</td> <td>-9</td> <td>-34</td> <td>16</td> <td>-34</td> <td>18</td> <td>41</td> </tr> <tr> <td>NO RF</td> <td>-0.85</td> <td>-0.19</td> <td>0.47</td> <td>0.47</td> <td>0.13</td> <td>-0.26</td> <td>-0.34</td> <td>0.48</td> <td>0.13</td> <td>0.46</td> <td>-0.21</td> <td>0.45</td> <td>-0.22</td> <td>-0.55</td> </tr> </tbody> </table>					Power	-456	-485	-1280	-1865	-2815	-3265	-2715	-3165	-3515	-3915	-4240	-4685	-4990	-5265	NO RF	49	15	-35	-35	-18	15	40	-35	-9	-34	16	-34	18	41	NO RF	-0.85	-0.19	0.47	0.47	0.13	-0.26	-0.34	0.48	0.13	0.46	-0.21	0.45	-0.22	-0.55
Power	-456	-485	-1280	-1865	-2815	-3265	-2715	-3165	-3515	-3915	-4240	-4685	-4990	-5265																																			
NO RF	49	15	-35	-35	-18	15	40	-35	-9	-34	16	-34	18	41																																			
NO RF	-0.85	-0.19	0.47	0.47	0.13	-0.26	-0.34	0.48	0.13	0.46	-0.21	0.45	-0.22	-0.55																																			
11 GHz	INTERCEPT (mV)	-4982	Measured Value (mV)	-4982																																													
	SLOPE (mV/dB)	-75.21	Error (mV)	0																																													
			LINEARITY ERROR (dB)	0																																													
<table border="1"> <tbody> <tr> <td>Power</td> <td>-421</td> <td>-440</td> <td>-1240</td> <td>-1840</td> <td>-1990</td> <td>-2340</td> <td>-2690</td> <td>-3115</td> <td>-3490</td> <td>-3890</td> <td>-4215</td> <td>-4615</td> <td>-4965</td> <td>-5265</td> </tr> <tr> <td>NO RF</td> <td>48</td> <td>5</td> <td>-19</td> <td>-43</td> <td>-16</td> <td>10</td> <td>36</td> <td>-13</td> <td>-12</td> <td>-36</td> <td>15</td> <td>-8</td> <td>17</td> <td>18</td> </tr> <tr> <td>NO RF</td> <td>-0.64</td> <td>-0.07</td> <td>0.23</td> <td>0.57</td> <td>0.22</td> <td>-0.13</td> <td>-0.47</td> <td>0.18</td> <td>0.16</td> <td>0.48</td> <td>-0.28</td> <td>0.12</td> <td>-0.23</td> <td>-0.24</td> </tr> </tbody> </table>					Power	-421	-440	-1240	-1840	-1990	-2340	-2690	-3115	-3490	-3890	-4215	-4615	-4965	-5265	NO RF	48	5	-19	-43	-16	10	36	-13	-12	-36	15	-8	17	18	NO RF	-0.64	-0.07	0.23	0.57	0.22	-0.13	-0.47	0.18	0.16	0.48	-0.28	0.12	-0.23	-0.24
Power	-421	-440	-1240	-1840	-1990	-2340	-2690	-3115	-3490	-3890	-4215	-4615	-4965	-5265																																			
NO RF	48	5	-19	-43	-16	10	36	-13	-12	-36	15	-8	17	18																																			
NO RF	-0.64	-0.07	0.23	0.57	0.22	-0.13	-0.47	0.18	0.16	0.48	-0.28	0.12	-0.23	-0.24																																			
11.25 GHz	INTERCEPT (mV)	-5082	Measured Value (mV)	-5082																																													
	SLOPE (mV/dB)	-75.83	Error (mV)	0																																													
			LINEARITY ERROR (dB)	0																																													
<table border="1"> <tbody> <tr> <td>Power</td> <td>-432</td> <td>-465</td> <td>-1290</td> <td>-1865</td> <td>-2815</td> <td>-3265</td> <td>-2715</td> <td>-3148</td> <td>-3515</td> <td>-3915</td> <td>-4240</td> <td>-4640</td> <td>-4990</td> <td>-5265</td> </tr> <tr> <td>NO RF</td> <td>66</td> <td>9</td> <td>-41</td> <td>-41</td> <td>-15</td> <td>18</td> <td>35</td> <td>-15</td> <td>-14</td> <td>-38</td> <td>11</td> <td>-14</td> <td>12</td> <td>37</td> </tr> <tr> <td>NO RF</td> <td>-0.88</td> <td>-0.12</td> <td>0.55</td> <td>0.54</td> <td>0.21</td> <td>-0.13</td> <td>-0.47</td> <td>0.20</td> <td>0.19</td> <td>0.52</td> <td>-0.15</td> <td>0.16</td> <td>-0.15</td> <td>-0.48</td> </tr> </tbody> </table>					Power	-432	-465	-1290	-1865	-2815	-3265	-2715	-3148	-3515	-3915	-4240	-4640	-4990	-5265	NO RF	66	9	-41	-41	-15	18	35	-15	-14	-38	11	-14	12	37	NO RF	-0.88	-0.12	0.55	0.54	0.21	-0.13	-0.47	0.20	0.19	0.52	-0.15	0.16	-0.15	-0.48
Power	-432	-465	-1290	-1865	-2815	-3265	-2715	-3148	-3515	-3915	-4240	-4640	-4990	-5265																																			
NO RF	66	9	-41	-41	-15	18	35	-15	-14	-38	11	-14	12	37																																			
NO RF	-0.88	-0.12	0.55	0.54	0.21	-0.13	-0.47	0.20	0.19	0.52	-0.15	0.16	-0.15	-0.48																																			
11.5 GHz	INTERCEPT (mV)	-4993	Measured Value (mV)	-4993																																													
	SLOPE (mV/dB)	-74.96	Error (mV)	0																																													
			LINEARITY ERROR (dB)	0																																													
<table border="1"> <tbody> <tr> <td>Power</td> <td>-443</td> <td>-465</td> <td>-1265</td> <td>-1840</td> <td>-1915</td> <td>-2365</td> <td>-2715</td> <td>-3140</td> <td>-3515</td> <td>-3915</td> <td>-4215</td> <td>-4640</td> <td>-4985</td> <td>-5265</td> </tr> <tr> <td>NO RF</td> <td>52</td> <td>5</td> <td>-28</td> <td>-21</td> <td>-21</td> <td>4</td> <td>29</td> <td>-21</td> <td>-21</td> <td>-47</td> <td>28</td> <td>-22</td> <td>28</td> <td>28</td> </tr> <tr> <td>NO RF</td> <td>-0.89</td> <td>-0.06</td> <td>0.27</td> <td>0.27</td> <td>0.28</td> <td>-0.85</td> <td>-0.39</td> <td>0.28</td> <td>0.29</td> <td>0.82</td> <td>-0.38</td> <td>0.29</td> <td>-0.37</td> <td>-0.37</td> </tr> </tbody> </table>					Power	-443	-465	-1265	-1840	-1915	-2365	-2715	-3140	-3515	-3915	-4215	-4640	-4985	-5265	NO RF	52	5	-28	-21	-21	4	29	-21	-21	-47	28	-22	28	28	NO RF	-0.89	-0.06	0.27	0.27	0.28	-0.85	-0.39	0.28	0.29	0.82	-0.38	0.29	-0.37	-0.37
Power	-443	-465	-1265	-1840	-1915	-2365	-2715	-3140	-3515	-3915	-4215	-4640	-4985	-5265																																			
NO RF	52	5	-28	-21	-21	4	29	-21	-21	-47	28	-22	28	28																																			
NO RF	-0.89	-0.06	0.27	0.27	0.28	-0.85	-0.39	0.28	0.29	0.82	-0.38	0.29	-0.37	-0.37																																			
11.75 GHz	INTERCEPT (mV)	-4974	Measured Value (mV)	-4974																																													
	SLOPE (mV/dB)	-74.83	Error (mV)	0																																													
			LINEARITY ERROR (dB)	0																																													
<table border="1"> <tbody> <tr> <td>Power</td> <td>-442</td> <td>-440</td> <td>-1265</td> <td>-1840</td> <td>-1990</td> <td>-2340</td> <td>-2690</td> <td>-3115</td> <td>-3490</td> <td>-3890</td> <td>-4215</td> <td>-4615</td> <td>-4985</td> <td>-5248</td> </tr> <tr> <td>NO RF</td> <td>41</td> <td>17</td> <td>-34</td> <td>-35</td> <td>-11</td> <td>14</td> <td>38</td> <td>-13</td> <td>-13</td> <td>-39</td> <td>10</td> <td>-16</td> <td>9</td> <td>33</td> </tr> <tr> <td>NO RF</td> <td>-0.54</td> <td>-0.22</td> <td>0.46</td> <td>0.47</td> <td>0.14</td> <td>-0.18</td> <td>-0.31</td> <td>0.17</td> <td>0.18</td> <td>0.52</td> <td>-0.13</td> <td>0.21</td> <td>-0.11</td> <td>-0.44</td> </tr> </tbody> </table>					Power	-442	-440	-1265	-1840	-1990	-2340	-2690	-3115	-3490	-3890	-4215	-4615	-4985	-5248	NO RF	41	17	-34	-35	-11	14	38	-13	-13	-39	10	-16	9	33	NO RF	-0.54	-0.22	0.46	0.47	0.14	-0.18	-0.31	0.17	0.18	0.52	-0.13	0.21	-0.11	-0.44
Power	-442	-440	-1265	-1840	-1990	-2340	-2690	-3115	-3490	-3890	-4215	-4615	-4985	-5248																																			
NO RF	41	17	-34	-35	-11	14	38	-13	-13	-39	10	-16	9	33																																			
NO RF	-0.54	-0.22	0.46	0.47	0.14	-0.18	-0.31	0.17	0.18	0.52	-0.13	0.21	-0.11	-0.44																																			
12 GHz	INTERCEPT (mV)	-4991	Measured Value (mV)	-4991																																													
	SLOPE (mV/dB)	-75.01	Error (mV)	0																																													
			LINEARITY ERROR (dB)	0																																													
<table border="1"> <tbody> <tr> <td>Power</td> <td>-446</td> <td>-465</td> <td>-1265</td> <td>-1840</td> <td>-1990</td> <td>-2365</td> <td>-2690</td> <td>-3140</td> <td>-3515</td> <td>-3915</td> <td>-4215</td> <td>-4640</td> <td>-4985</td> <td>-5265</td> </tr> <tr> <td>NO RF</td> <td>44</td> <td>8</td> <td>-25</td> <td>-25</td> <td>0</td> <td>0</td> <td>50</td> <td>-25</td> <td>-24</td> <td>-48</td> <td>26</td> <td>-34</td> <td>26</td> <td>26</td> </tr> <tr> <td>NO RF</td> <td>-0.58</td> <td>0.00</td> <td>0.33</td> <td>0.32</td> <td>0.80</td> <td>0.88</td> <td>-0.67</td> <td>0.33</td> <td>0.33</td> <td>0.86</td> <td>-0.34</td> <td>0.32</td> <td>-0.34</td> <td>-0.34</td> </tr> </tbody> </table>					Power	-446	-465	-1265	-1840	-1990	-2365	-2690	-3140	-3515	-3915	-4215	-4640	-4985	-5265	NO RF	44	8	-25	-25	0	0	50	-25	-24	-48	26	-34	26	26	NO RF	-0.58	0.00	0.33	0.32	0.80	0.88	-0.67	0.33	0.33	0.86	-0.34	0.32	-0.34	-0.34
Power	-446	-465	-1265	-1840	-1990	-2365	-2690	-3140	-3515	-3915	-4215	-4640	-4985	-5265																																			
NO RF	44	8	-25	-25	0	0	50	-25	-24	-48	26	-34	26	26																																			
NO RF	-0.58	0.00	0.33	0.32	0.80	0.88	-0.67	0.33	0.33	0.86	-0.34	0.32	-0.34	-0.34																																			
12.25 GHz	INTERCEPT (mV)	-5015	Measured Value (mV)	-5015																																													
	SLOPE (mV/dB)	-75.39	Error (mV)	0																																													
			LINEARITY ERROR (dB)	0																																													
<table border="1"> <tbody> <tr> <td>Power</td> <td>-434</td> <td>-465</td> <td>-1265</td> <td>-1865</td> <td>-2815</td> <td>-3265</td> <td>-2715</td> <td>-3165</td> <td>-3515</td> <td>-3915</td> <td>-4240</td> <td>-4665</td> <td>-4988</td> <td>-5298</td> </tr> <tr> <td>NO RF</td> <td>57</td> <td>3</td> <td>-28</td> <td>-43</td> <td>-16</td> <td>11</td> <td>38</td> <td>-35</td> <td>-8</td> <td>-31</td> <td>21</td> <td>-27</td> <td>25</td> <td>26</td> </tr> <tr> <td>NO RF</td> <td>-0.76</td> <td>-0.04</td> <td>0.27</td> <td>0.57</td> <td>0.21</td> <td>-0.14</td> <td>-0.50</td> <td>0.47</td> <td>0.11</td> <td>0.41</td> <td>-0.28</td> <td>0.36</td> <td>-0.33</td> <td>-0.35</td> </tr> </tbody> </table>					Power	-434	-465	-1265	-1865	-2815	-3265	-2715	-3165	-3515	-3915	-4240	-4665	-4988	-5298	NO RF	57	3	-28	-43	-16	11	38	-35	-8	-31	21	-27	25	26	NO RF	-0.76	-0.04	0.27	0.57	0.21	-0.14	-0.50	0.47	0.11	0.41	-0.28	0.36	-0.33	-0.35
Power	-434	-465	-1265	-1865	-2815	-3265	-2715	-3165	-3515	-3915	-4240	-4665	-4988	-5298																																			
NO RF	57	3	-28	-43	-16	11	38	-35	-8	-31	21	-27	25	26																																			
NO RF	-0.76	-0.04	0.27	0.57	0.21	-0.14	-0.50	0.47	0.11	0.41	-0.28	0.36	-0.33	-0.35																																			
12.5 GHz	INTERCEPT (mV)	-5044	Measured Value (mV)	-5044																																													
	SLOPE (mV/dB)	-75.61	Error (mV)	0																																													
			LINEARITY ERROR (dB)	0																																													
<table border="1"> <tbody> <tr> <td>Power</td> <td>-449</td> <td>-490</td> <td>-1290</td> <td>-1865</td> <td>-2815</td> <td>-3265</td> <td>-2740</td> <td>-3190</td> <td>-3540</td> <td>-3940</td> <td>-4265</td> <td>-4690</td> <td>-5015</td> <td>-5315</td> </tr> <tr> <td>NO RF</td> <td>54</td> <td>-8</td> <td>-31</td> <td>-28</td> <td>0</td> <td>28</td> <td>31</td> <td>-41</td> <td>-13</td> <td>-34</td> <td>19</td> <td>-28</td> <td>25</td> <td>27</td> </tr> <tr> <td>NO RF</td> <td>-0.71</td> <td>0.12</td> <td>0.41</td> <td>0.37</td> <td>0.80</td> <td>-0.37</td> <td>-0.41</td> <td>0.54</td> <td>0.17</td> <td>0.46</td> <td>-0.25</td> <td>0.37</td> <td>-0.33</td> <td>-0.38</td> </tr> </tbody> </table>					Power	-449	-490	-1290	-1865	-2815	-3265	-2740	-3190	-3540	-3940	-4265	-4690	-5015	-5315	NO RF	54	-8	-31	-28	0	28	31	-41	-13	-34	19	-28	25	27	NO RF	-0.71	0.12	0.41	0.37	0.80	-0.37	-0.41	0.54	0.17	0.46	-0.25	0.37	-0.33	-0.38
Power	-449	-490	-1290	-1865	-2815	-3265	-2740	-3190	-3540	-3940	-4265	-4690	-5015	-5315																																			
NO RF	54	-8	-31	-28	0	28	31	-41	-13	-34	19	-28	25	27																																			
NO RF	-0.71	0.12	0.41	0.37	0.80	-0.37	-0.41	0.54	0.17	0.46	-0.25	0.37	-0.33	-0.38																																			
12.75 GHz	INTERCEPT (mV)	-5042	Measured Value (mV)	-5042																																													
	SLOPE (mV/dB)	-76.07	Error (mV)	0																																													
			LINEARITY ERROR (dB)	0																																													
<table border="1"> <tbody> <tr> <td>Power</td> <td>-434</td> <td>-465</td> <td>-1265</td> <td>-1840</td> <td>-1990</td> <td>-2365</td> <td>-2715</td> <td>-3190</td> <td>-3540</td> <td>-3940</td> <td>-4265</td> <td>-4690</td> <td>-5015</td> <td>-5315</td> </tr> <tr> <td>NO RF</td> <td>44</td> <td>-7</td> <td>-28</td> <td>-21</td> <td>9</td> <td>15</td> <td>45</td> <td>-49</td> <td>-19</td> <td>-38</td> <td>17</td> <td>-28</td> <td>27</td> <td>32</td> </tr> <tr> <td>NO RF</td> <td>-0.58</td> <td>0.09</td> <td>0.34</td> <td>0.27</td> <td>-0.12</td> <td>-0.19</td> <td>-0.59</td> <td>0.65</td> <td>0.25</td> <td>0.51</td> <td>-0.22</td> <td>0.37</td> <td>-0.38</td> <td>-0.41</td> </tr> </tbody> </table>					Power	-434	-465	-1265	-1840	-1990	-2365	-2715	-3190	-3540	-3940	-4265	-4690	-5015	-5315	NO RF	44	-7	-28	-21	9	15	45	-49	-19	-38	17	-28	27	32	NO RF	-0.58	0.09	0.34	0.27	-0.12	-0.19	-0.59	0.65	0.25	0.51	-0.22	0.37	-0.38	-0.41
Power	-434	-465	-1265	-1840	-1990	-2365	-2715	-3190	-3540	-3940	-4265	-4690	-5015	-5315																																			
NO RF	44	-7	-28	-21	9	15	45	-49	-19	-38	17	-28	27	32																																			
NO RF	-0.58	0.09	0.34	0.27	-0.12	-0.19	-0.59	0.65	0.25	0.51	-0.22	0.37	-0.38	-0.41																																			
13 GHz	INTERCEPT (mV)	-5062	Measured Value (mV)	-5062																																													
	SLOPE (mV/dB)	-76.14	Error (mV)	0																																													
			LINEARITY ERROR (dB)	0																																													
<table border="1"> <tbody> <tr> <td>Power</td> <td>-451</td> <td>-465</td> <td>-1290</td> <td>-1865</td> <td>-2815</td> <td>-3265</td> <td>-2740</td> <td>-3190</td> <td>-3585</td> <td>-3985</td> <td>-4298</td> <td>-4690</td> <td>-5040</td> <td>-5348</td> </tr> <tr> <td>NO RF</td> <td>42</td> <td>8</td> <td>-36</td> <td>-38</td> <td>1</td> <td>31</td> <td>37</td> <td>-32</td> <td>-26</td> <td>-45</td> <td>18</td> <td>-8</td> <td>22</td> <td>27</td> </tr> <tr> <td>NO RF</td> <td>-0.55</td> <td>-0.11</td> <td>0.47</td> <td>0.46</td> <td>-0.81</td> <td>-0.41</td> <td>-0.49</td> <td>0.42</td> <td>0.34</td> <td>0.68</td> <td>-0.14</td> <td>0.12</td> <td>-0.29</td> <td>-0.35</td> </tr> </tbody> </table>					Power	-451	-465	-1290	-1865	-2815	-3265	-2740	-3190	-3585	-3985	-4298	-4690	-5040	-5348	NO RF	42	8	-36	-38	1	31	37	-32	-26	-45	18	-8	22	27	NO RF	-0.55	-0.11	0.47	0.46	-0.81	-0.41	-0.49	0.42	0.34	0.68	-0.14	0.12	-0.29	-0.35
Power	-451	-465	-1290	-1865	-2815	-3265	-2740	-3190	-3585	-3985	-4298	-4690	-5040	-5348																																			
NO RF	42	8	-36	-38	1	31	37	-32	-26	-45	18	-8	22	27																																			
NO RF	-0.55	-0.11	0.47	0.46	-0.81	-0.41	-0.49	0.42	0.34	0.68	-0.14	0.12	-0.29	-0.35																																			
13.25 GHz	INTERCEPT (mV)	-5084	Measured Value (mV)	-5084																																													
	SLOPE (mV/dB)	-76.84	Error (mV)	0																																													
			LINEARITY ERROR (dB)	0																																													
<table border="1"> <tbody> <tr> <td>Power</td> <td>-474</td> <td>-415</td> <td>-1315</td> <td>-1890</td> <td>-2840</td> <td>-3290</td> <td>-2765</td> <td>-3240</td> <td>-3590</td> <td>-3990</td> <td>-4315</td> <td>-4715</td> <td>-5085</td> <td>-5365</td> </tr> <tr> <td>NO RF</td> <td>59</td> <td>-18</td> <td>-38</td> <td>-25</td> <td>5</td> <td>36</td> <td>41</td> <td>-54</td> <td>-23</td> <td>-43</td> <td>12</td> <td>-8</td> <td>23</td> <td>27</td> </tr> <tr> <td>NO RF</td> <td>-0.66</td> <td>0.14</td> <td>0.44</td> <td>0.33</td> <td>-0.87</td> <td>-0.47</td> <td>-0.34</td> <td>0.71</td> <td>0.31</td> <td>0.57</td> <td>-0.16</td> <td>0.10</td> <td>-0.30</td> <td>-0.35</td> </tr> </tbody> </table>					Power	-474	-415	-1315	-1890	-2840	-3290	-2765	-3240	-3590	-3990	-4315	-4715	-5085	-5365	NO RF	59	-18	-38	-25	5	36	41	-54	-23	-43	12	-8	23	27	NO RF	-0.66	0.14	0.44	0.33	-0.87	-0.47	-0.34	0.71	0.31	0.57	-0.16	0.10	-0.30	-0.35
Power	-474	-415	-1315	-1890	-2840	-3290	-2765	-3240	-3590	-3990	-4315	-4715	-5085	-5365																																			
NO RF	59	-18	-38	-25	5	36	41	-54	-23	-43	12	-8	23	27																																			
NO RF	-0.66	0.14	0.44	0.33	-0.87	-0.47	-0.34	0.71	0.31	0.57	-0.16	0.10	-0.30	-0.35																																			
13.5 GHz	INTERCEPT (mV)	-5182	Measured Value (mV)	-5182																																													
	SLOPE (mV/dB)	-76.29	Error (mV)	0																																													
			LINEARITY ERROR (dB)	0																																													
<table border="1"> <tbody> <tr> <td>Power</td> <td>-484</td> <td>-415</td> <td>-1315</td> <td>-1890</td> <td>-2840</td> <td>-3290</td> <td>-2790</td> <td>-3240</td> <td>-3590</td> <td>-3990</td> <td>-4340</td> <td>-4740</td> <td>-5090</td> <td>-5365</td> </tr> <tr> <td>NO RF</td> <td>41</td> <td>-8</td> <td>-28</td> <td>-21</td> <td>18</td> <td>42</td> <td>23</td> <td>-45</td> <td>-14</td> <td>-32</td> <td>-1</td> <td>-19</td> <td>12</td> <td>42</td> </tr> <tr> <td>NO RF</td> <td>-0.53</td> <td>0.12</td> <td>0.38</td> <td>0.28</td> <td>-0.13</td> <td>-0.55</td> <td>-0.30</td> <td>0.59</td> <td>0.18</td> <td>0.42</td> <td>0.01</td> <td>0.26</td> <td>-0.16</td> <td>-0.55</td> </tr> </tbody> </table>					Power	-484	-415	-1315	-1890	-2840	-3290	-2790	-3240	-3590	-3990	-4340	-4740	-5090	-5365	NO RF	41	-8	-28	-21	18	42	23	-45	-14	-32	-1	-19	12	42	NO RF	-0.53	0.12	0.38	0.28	-0.13	-0.55	-0.30	0.59	0.18	0.42	0.01	0.26	-0.16	-0.55
Power	-484	-415	-1315	-1890	-2840	-3290	-2790	-3240	-3590	-3990	-4340	-4740	-5090	-5365																																			
NO RF	41	-8	-28	-21	18	42	23	-45	-14	-32	-1	-19	12	42																																			
NO RF	-0.53	0.12	0.38	0.28	-0.13	-0.55	-0.30	0.59	0.18	0.42	0.01	0.26	-0.16	-0.55																																			
13.75 GHz	INTERCEPT (mV)	-5114	Measured Value (mV)	-5114																																													
	SLOPE (mV/dB)	-76.8	Error (mV)	0																																													
			LINEARITY ERROR (dB)	0																																													
<table border="1"> <tbody> <tr> <td>Power</td> <td>-471</td> <td>-415</td> <td>-1290</td> <td>-1890</td> <td>-2840</td> <td>-3290</td> <td>-2790</td> <td>-3240</td> <td>-3590</td> <td>-3990</td> <td>-4340</td> <td>-4740</td> <td>-5090</td> <td>-5398</td> </tr> <tr> <td>NO RF</td> <td>42</td> <td>-19</td> <td>-11</td> <td>-28</td> <td>5</td> <td>38</td> <td>22</td> <td>-45</td> <td>-12</td> <td>-24</td> <td>4</td> <td>-13</td> <td>28</td> <td>26</td> </tr> <tr> <td>NO RF</td> <td>-0.55</td> <td>0.24</td> <td>0.14</td> <td>0.38</td> <td>-0.87</td> <td>-0.59</td> <td>-0.28</td> <td>0.59</td> <td>0.16</td> <td>0.38</td> <td>-0.05</td> <td>0.17</td> <td>-0.26</td> <td>-0.34</td> </tr> </tbody> </table>					Power	-471	-415	-1290	-1890	-2840	-3290	-2790	-3240	-3590	-3990	-4340	-4740	-5090	-5398	NO RF	42	-19	-11	-28	5	38	22	-45	-12	-24	4	-13	28	26	NO RF	-0.55	0.24	0.14	0.38	-0.87	-0.59	-0.28	0.59	0.16	0.38	-0.05	0.17	-0.26	-0.34
Power	-471	-415	-1290	-1890	-2840	-3290	-2790	-3240	-3590	-3990	-4340	-4740	-5090	-5398																																			
NO RF	42	-19	-11	-28	5	38	22	-45	-12	-24	4	-13	28	26																																			
NO RF	-0.55	0.24	0.14	0.38	-0.87	-0.59	-0.28	0.59	0.16	0.38	-0.05	0.17	-0.26	-0.34																																			
14 GHz	INTERCEPT (mV)	-5182	Measured Value (mV)	-5182																																													
	SLOPE (mV/dB)	-76.42	Error (mV)	0																																													
			LINEARITY ERROR (dB)	0																																													
<table border="1"> <tbody> <tr> <td>Power</td> <td>-460</td> <td>-415</td> <td>-1315</td> <td>-1865</td> <td>-2840</td> <td>-3290</td> <td>-2790</td> <td>-3240</td> <td>-3615</td> <td>-3990</td> <td>-4340</td> <td>-4740</td> <td>-5085</td> <td>-5365</td> </tr> <tr> <td>NO RF</td> <td>57</td> <td>-16</td> <td>-34</td> <td>-2</td> <td>5</td> <td>37</td> <td>19</td> <td>-48</td> <td>-41</td> <td>-34</td> <td>-2</td> <td>-20</td> <td>37</td> <td>43</td> </tr> <tr> <td>NO RF</td> <td>-0.74</td> <td>0.21</td> <td>0.44</td> <td>0.02</td> <td>-0.87</td> <td>-0.48</td> <td>-0.25</td> <td>0.63</td> <td>0.54</td> <td>0.45</td> <td>0.03</td> <td>0.26</td> <td>-0.48</td> <td>-0.56</td> </tr> </tbody> </table>					Power	-460	-415	-1315	-1865	-2840	-3290	-2790	-3240	-3615	-3990	-4340	-4740	-5085	-5365	NO RF	57	-16	-34	-2	5	37	19	-48	-41	-34	-2	-20	37	43	NO RF	-0.74	0.21	0.44	0.02	-0.87	-0.48	-0.25	0.63	0.54	0.45	0.03	0.26	-0.48	-0.56
Power	-460	-415	-1315	-1865	-2840	-3290	-2790	-3240	-3615	-3990	-4340	-4740	-5085	-5365																																			
NO RF	57	-16	-34	-2	5	37	19	-48	-41	-34	-2	-20	37	43																																			
NO RF	-0.74	0.21	0.44	0.02	-0.87	-0.48	-0.25	0.63	0.54	0.45	0.03	0.26	-0.48	-0.56																																			
14.25 GHz	INTERCEPT (mV)	-5135	Measured Value (mV)	-5135																																													
	SLOPE (mV/dB)	-76.88	Error (mV)	0																																													
			LINEARITY ERROR (dB)	0																																													
<table border="1"> <tbody> <tr> <td>Power</td> <td>-462</td> <td>-415</td> <td>-1315</td> <td>-1890</td> <td>-2840</td> <td>-3215</td> <td>-2815</td> <td>-3265</td> <td>-3615</td> <td>-4015</td> <td>-4340</td> <td>-4765</td> <td>-5115</td> <td>-5415</td> </tr> <tr> <td>NO RF</td> <td>55</td> <td>-13</td> <td>-29</td> <td>-19</td> <td>16</td> <td>26</td> <td>11</td> <td>-54</td> <td>-19</td> <td>-34</td> <td>26</td> <td>-14</td> <td>28</td> <td>28</td> </tr> <tr> <td>NO RF</td> <td>-0.71</td> <td>0.17</td> <td>0.37</td> <td>0.24</td> <td>-0.21</td> <td>-0.34</td> <td>-0.14</td> <td>0.70</td> <td>0.25</td> <td>0.45</td> <td>-0.33</td> <td>0.19</td> <td>-0.27</td> <td>-0.37</td> </tr> </tbody> </table>					Power	-462	-415	-1315	-1890	-2840	-3215	-2815	-3265	-3615	-4015	-4340	-4765	-5115	-5415	NO RF	55	-13	-29	-19	16	26	11	-54	-19	-34	26	-14	28	28	NO RF	-0.71	0.17	0.37	0.24	-0.21	-0.34	-0.14	0.70	0.25	0.45	-0.33	0.19	-0.27	-0.37
Power	-462	-415	-1315	-1890	-2840	-3215	-2815	-3265	-3615	-4015	-4340	-4765	-5115	-5415																																			
NO RF	55	-13	-29	-19	16	26	11	-54	-19	-34	26	-14	28	28																																			
NO RF	-0.71	0.17	0.37	0.24	-0.21	-0.34	-0.14	0.70	0.25	0.45	-0.33	0.19	-0.27	-0.37																																			
14.5 GHz	INTERCEPT (mV)	-5141	Measured Value (mV)	-5141																																													
	SLOPE (mV/dB)	-76.88	Error (mV)	0																																													
			LINEARITY ERROR (dB)	0																																													
<table border="1"> <tbody> <tr> <td>Power</td> <td>-478</td> <td>-440</td> <td>-1315</td> <td>-1890</td> <td>-2840</td> <td>-3215</td> <td>-2815</td> <td>-3290</td> <td>-3640</td> <td>-4015</td> <td>-4365</td> <td>-4765</td> <td>-5115</td> <td>-5415</td> </tr> <tr> <td>NO RF</td> <td>58</td> <td>-28</td> <td>-18</td> <td>-9</td> <td>28</td> <td>35</td> <td>20</td> <td>-71</td> <td>-37</td> <td>-27</td> <td>7</td> <td>-8</td> <td>28</td> <td>34</td> </tr> </tbody> </table>					Power	-478	-440	-1315	-1890	-2840	-3215	-2815	-3290	-3640	-4015	-4365	-4765	-5115	-5415	NO RF	58	-28	-18	-9	28	35	20	-71	-37	-27	7	-8	28	34															
Power	-478	-440	-1315	-1890	-2840	-3215	-2815	-3290	-3640	-4015	-4365	-4765	-5115	-5415																																			
NO RF	58	-28	-18	-9	28	35	20	-71	-37	-27	7	-8	28	34																																			



		NO RF	-0.65	0.36	0.24	0.11	-0.23	-0.46	-0.25	0.97	0.48	0.35	-0.16	0.11	-0.34	-0.44	LINEARITY ERROR (dB)
14.75 GHz	INTERCEPT (mV)	*****	-468	-915	-1315	-1698	-2040	-2415	-2815	-3285	-3840	-4015	-4365	-4765	-5115	-5415	Measured Value (mV)
	SLOPE (mV/dB)	NO RF	58	-12	-26	-16	19	38	15	-58	-48	-29	6	-9	27	35	Error (mV)
		NO RF	-0.65	0.15	0.34	0.21	-0.25	-0.38	-0.19	0.65	0.51	0.39	-0.08	0.11	-0.34	-0.45	LINEARITY ERROR (dB)
15 GHz	INTERCEPT (mV)	*****	-478	-915	-1315	-1698	-2040	-2415	-2815	-3285	-3840	-4015	-4365	-4765	-5115	-5415	Measured Value (mV)
	SLOPE (mV/dB)	NO RF	44	-10	-25	-15	28	30	16	-49	-39	-29	6	-8	26	34	Error (mV)
		NO RF	-0.58	0.13	0.32	0.19	-0.27	-0.48	-0.20	0.64	0.51	0.38	-0.07	0.12	-0.34	-0.44	LINEARITY ERROR (dB)
15.25 GHz	INTERCEPT (mV)	*****	-485	-940	-1340	-1715	-2045	-2440	-2840	-3298	-3848	-4040	-4398	-4798	-5168	-5448	Measured Value (mV)
	SLOPE (mV/dB)	NO RF	48	-12	-27	-17	18	28	13	-52	-17	-32	4	-11	24	32	Error (mV)
		NO RF	-0.63	0.16	0.35	0.22	-0.24	-0.37	-0.17	0.67	0.22	0.41	-0.05	0.15	-0.21	-0.41	LINEARITY ERROR (dB)
15.5 GHz	INTERCEPT (mV)	*****	-517	-990	-1365	-1740	-2090	-2440	-2865	-3315	-3865	-4040	-4398	-4815	-5165	-5465	Measured Value (mV)
	SLOPE (mV/dB)	NO RF	54	-35	-26	-17	17	51	10	-56	-22	-13	21	-28	14	21	Error (mV)
		NO RF	-0.71	0.46	0.34	0.22	-0.22	-0.66	-0.13	0.73	0.29	0.17	-0.28	0.26	-0.19	-0.28	LINEARITY ERROR (dB)
15.75 GHz	INTERCEPT (mV)	*****	-488	-965	-1340	-1715	-2045	-2440	-2840	-3298	-3848	-4015	-4365	-4798	-5148	-5448	Measured Value (mV)
	SLOPE (mV/dB)	NO RF	52	-31	-22	-14	28	29	12	-54	-20	-12	22	-19	15	22	Error (mV)
		NO RF	-0.68	0.40	0.29	0.18	-0.26	-0.37	-0.16	0.70	0.26	0.15	-0.29	0.25	-0.19	-0.28	LINEARITY ERROR (dB)
16 GHz	INTERCEPT (mV)	*****	-567	-965	-1340	-1715	-2090	-2440	-2840	-3298	-3848	-4040	-4365	-4798	-5115	-5448	Measured Value (mV)
	SLOPE (mV/dB)	NO RF	51	-24	-16	-8	8	32	15	-52	-19	-36	22	-21	37	18	Error (mV)
		NO RF	-0.67	0.31	0.21	0.11	0.00	-0.42	-0.20	0.68	0.25	0.47	-0.28	0.27	-0.49	-0.24	LINEARITY ERROR (dB)
16.25 GHz	INTERCEPT (mV)	*****	-528	-990	-1365	-1740	-2090	-2465	-2840	-3298	-3848	-4040	-4365	-4798	-5148	-5448	Measured Value (mV)
	SLOPE (mV/dB)	NO RF	58	-31	-25	-18	13	19	28	-43	-11	-38	26	-17	14	19	Error (mV)
		NO RF	-0.76	0.41	0.33	0.24	-0.17	-0.25	-0.34	0.56	0.15	0.39	-0.35	0.23	-0.19	-0.25	LINEARITY ERROR (dB)
16.5 GHz	INTERCEPT (mV)	*****	-515	-965	-1340	-1715	-2090	-2440	-2815	-3265	-3815	-4015	-4365	-4765	-5115	-5448	Measured Value (mV)
	SLOPE (mV/dB)	NO RF	43	-26	-19	-12	-6	26	32	-36	-4	-23	9	-8	22	3	Error (mV)
		NO RF	-0.56	0.54	0.25	0.16	0.08	-0.34	-0.43	0.47	0.06	0.38	-0.12	0.12	-0.29	-0.03	LINEARITY ERROR (dB)
16.75 GHz	INTERCEPT (mV)	*****	-518	-990	-1340	-1740	-2090	-2440	-2815	-3265	-3815	-4015	-4340	-4765	-5115	-5415	Measured Value (mV)
	SLOPE (mV/dB)	NO RF	54	-39	-8	-38	8	29	34	-37	-7	-28	27	-19	11	14	Error (mV)
		NO RF	-0.71	0.51	0.12	0.39	0.00	-0.39	-0.45	0.48	0.10	0.37	-0.35	0.25	-0.14	-0.19	LINEARITY ERROR (dB)
17 GHz	INTERCEPT (mV)	*****	-589	-965	-1340	-1715	-2090	-2440	-2790	-3248	-3598	-3998	-4348	-4748	-5098	-5415	Measured Value (mV)
	SLOPE (mV/dB)	NO RF	58	-27	-23	-19	-14	15	44	-27	2	-19	11	-19	19	-3	Error (mV)
		NO RF	-0.66	0.35	0.30	0.24	0.19	-0.28	-0.58	0.35	-0.03	0.24	-0.14	0.14	-0.25	0.04	LINEARITY ERROR (dB)
17.25 GHz	INTERCEPT (mV)	*****	-515	-965	-1340	-1740	-2090	-2440	-2815	-3248	-3598	-3998	-4348	-4748	-5098	-5398	Measured Value (mV)
	SLOPE (mV/dB)	NO RF	55	-17	-14	-37	-9	19	22	-25	3	-28	8	-14	14	16	Error (mV)
		NO RF	-0.73	0.23	0.19	0.48	0.13	-0.25	-0.29	0.34	-0.03	0.29	-0.11	0.19	-0.18	-0.21	LINEARITY ERROR (dB)
17.5 GHz	INTERCEPT (mV)	*****	-488	-965	-1340	-1715	-2045	-2415	-2798	-3248	-3598	-3998	-4315	-4748	-5098	-5398	Measured Value (mV)
	SLOPE (mV/dB)	NO RF	55	-33	-29	-25	4	32	36	-35	-4	-27	26	-20	9	12	Error (mV)
		NO RF	-0.73	0.43	0.38	0.33	-0.05	-0.43	-0.48	0.46	0.08	0.36	-0.35	0.26	-0.12	-0.16	LINEARITY ERROR (dB)
17.75 GHz	INTERCEPT (mV)	*****	-471	-940	-1315	-1698	-2040	-2380	-2765	-3215	-3565	-3965	-4298	-4715	-5065	-5398	Measured Value (mV)
	SLOPE (mV/dB)	NO RF	54	-35	-31	-26	3	33	38	-33	-3	-24	31	-15	15	-6	Error (mV)
		NO RF	-0.71	0.47	0.41	0.35	-0.04	-0.43	-0.49	0.43	0.04	0.31	-0.41	0.19	-0.20	0.08	LINEARITY ERROR (dB)
18 GHz	INTERCEPT (mV)	*****	-457	-890	-1290	-1698	-2015	-2360	-2740	-3198	-3548	-3965	-4298	-4715	-5065	-5365	Measured Value (mV)
	SLOPE (mV/dB)	NO RF	43	-9	-28	-47	9	15	46	-22	8	-35	21	-23	8	13	Error (mV)
		NO RF	-0.56	0.12	0.37	0.61	-0.12	-0.28	-0.61	0.29	-0.11	0.46	-0.27	0.29	-0.11	-0.17	LINEARITY ERROR (dB)
Max Slope (mV/dB)	-74.9																
Min Slope (mV/dB)	-78.4																
Average slope (mV/dB)	-76.8																
Flatness :dB	0.95 1.63 0.98 0.98 1.14 0.98 1.33 1.63 1.63 1.31 1.63 1.63 1.63 1.63																

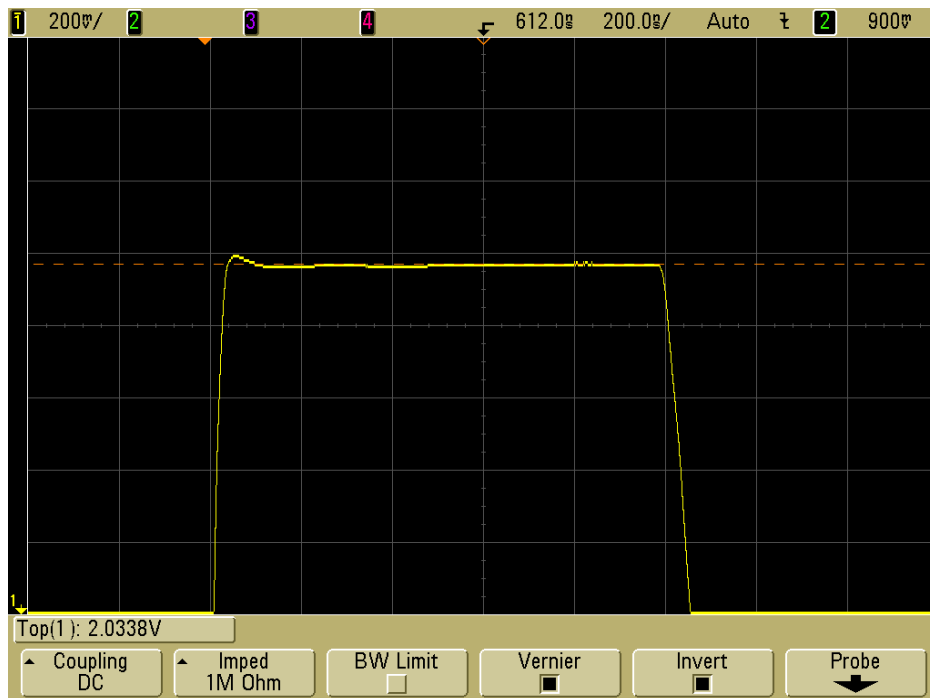




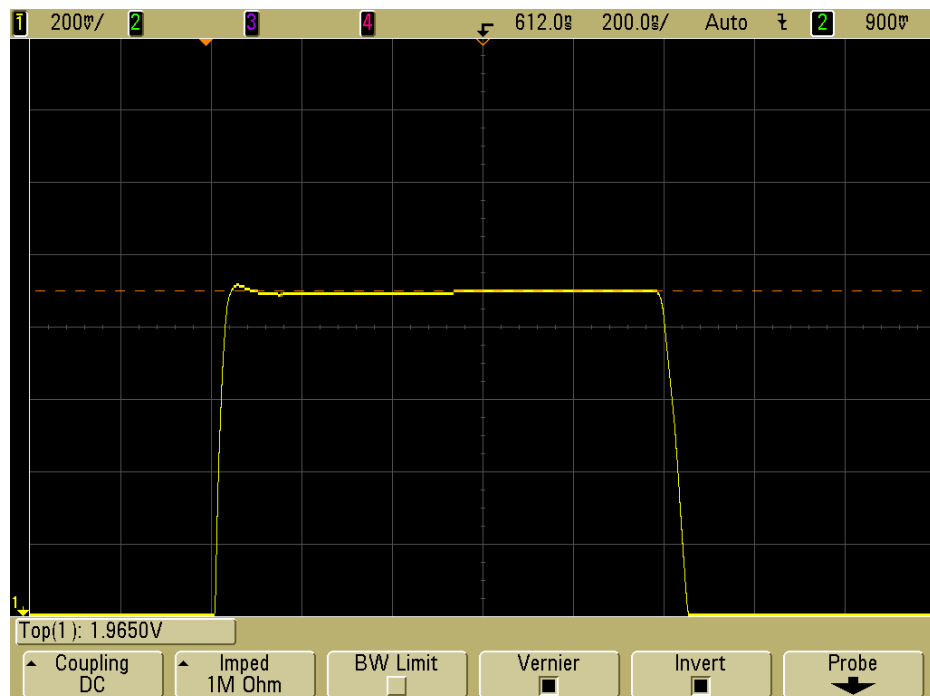


## CW IMMUNITY RANGE

### SENSITIVITY WITHOUT CW @ 25°C

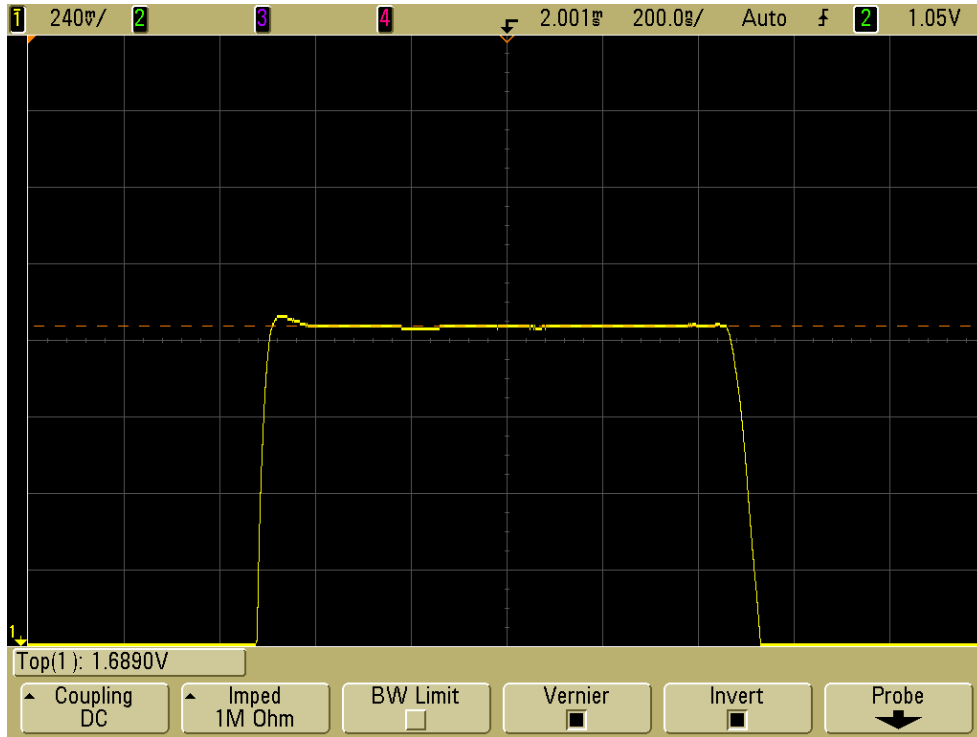


### DEGRADATION OF SENSITIVITY WITH -40dBm CW @ 25°C

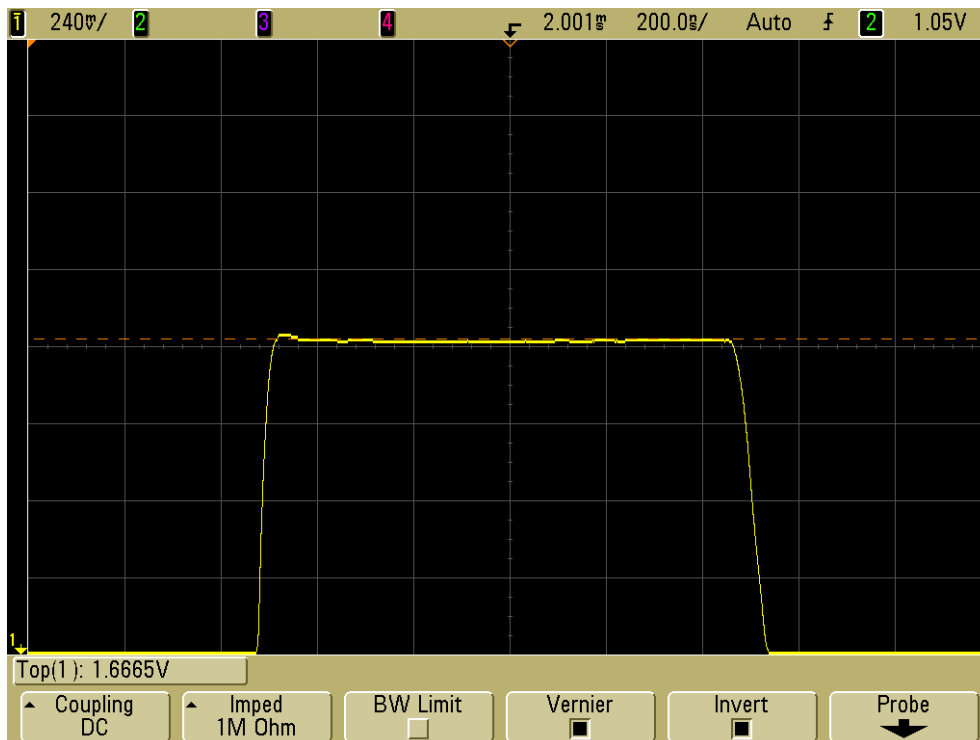




### SENSITIVITY WITH CW @ -54°C

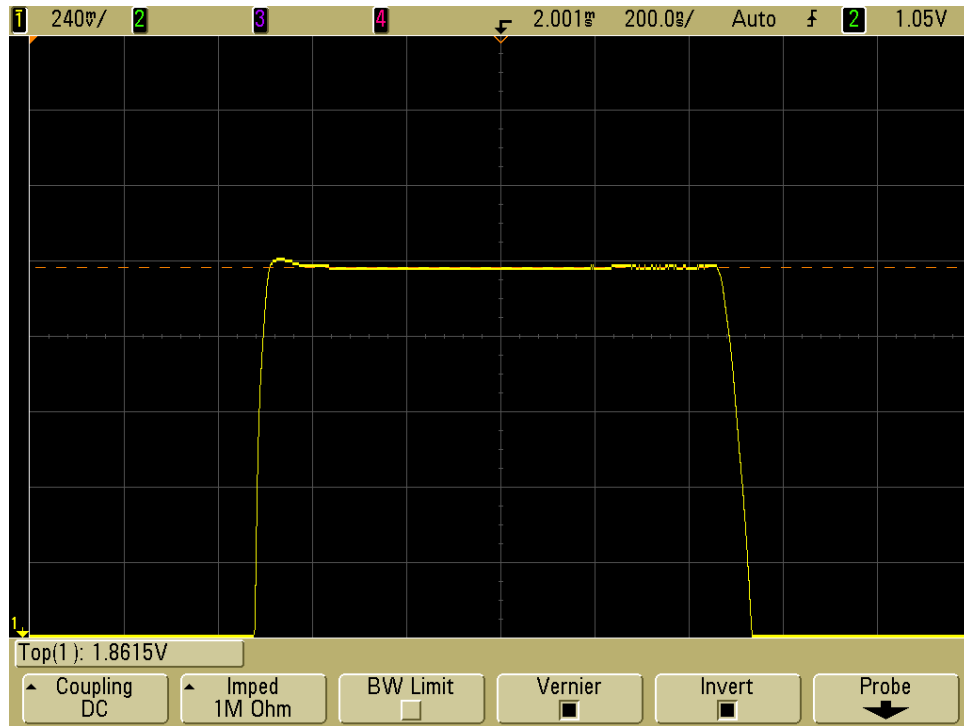


### DEGRADATION OF SENSITIVITY WITH -40dBm CW @ -54°C

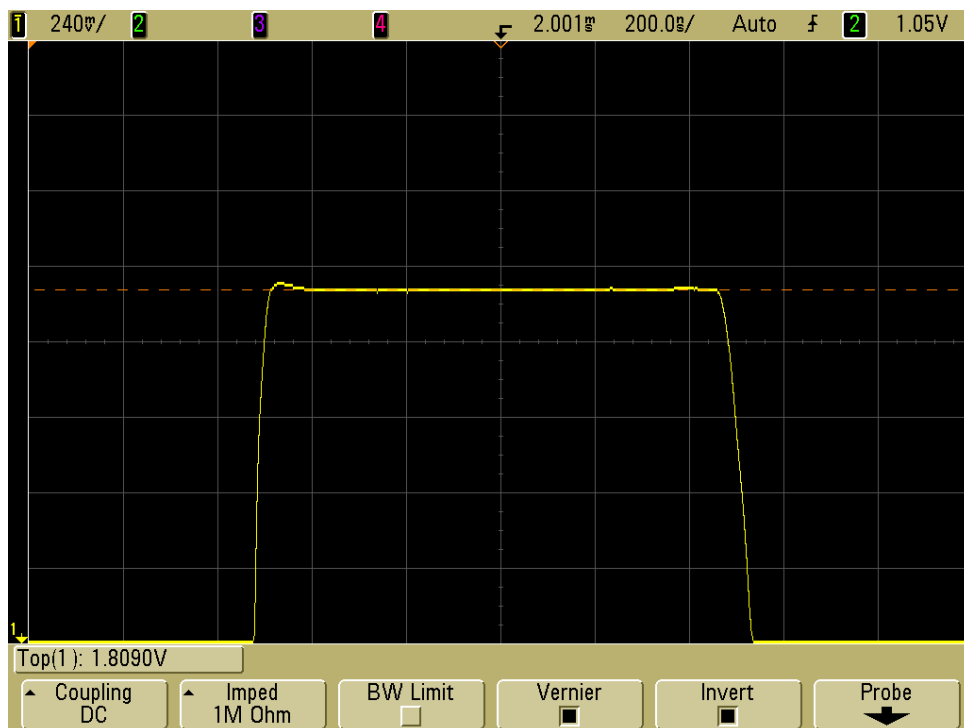




## SENSITIVITY WITHOUT CW 95°C



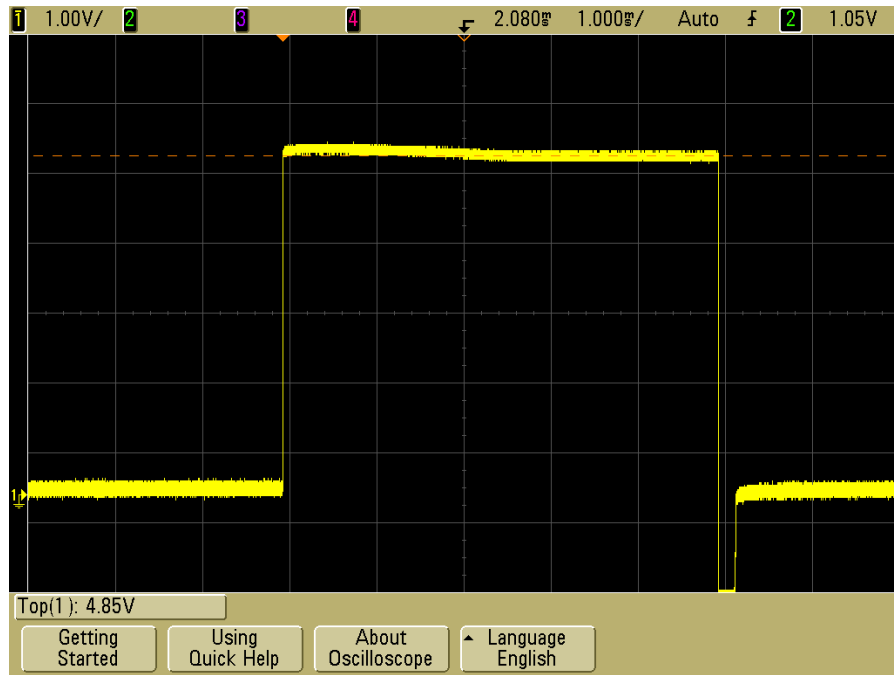
## DEGRADATION OF SENSITIVITY WITH -40dBm CW @ 95°C



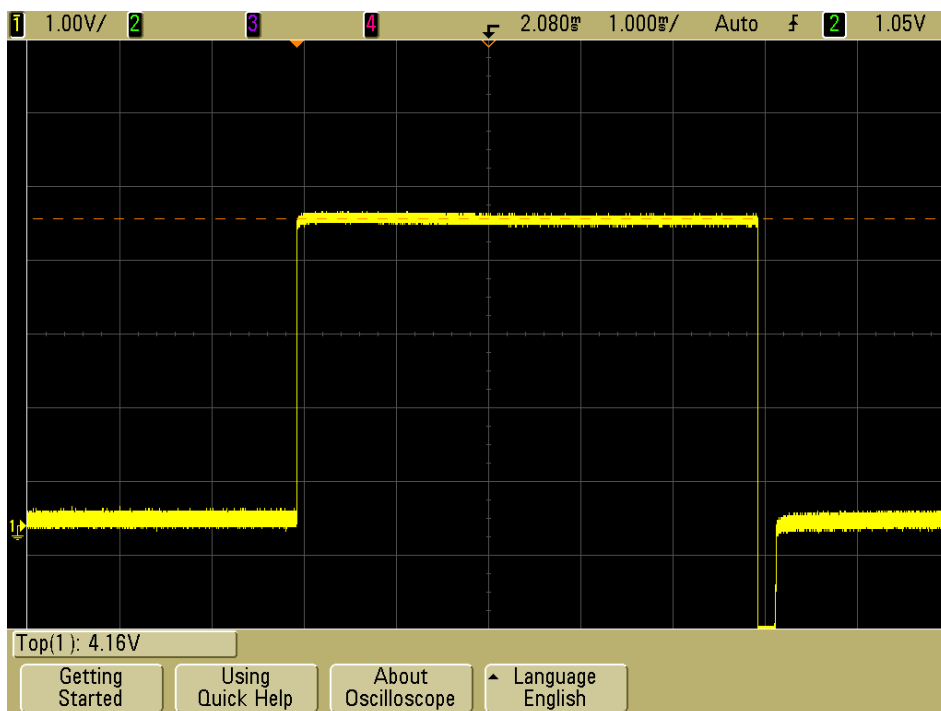


## REJECTION TIME, PULSE CONSIDERED CW, and DROOP

0dBm @ +25°C

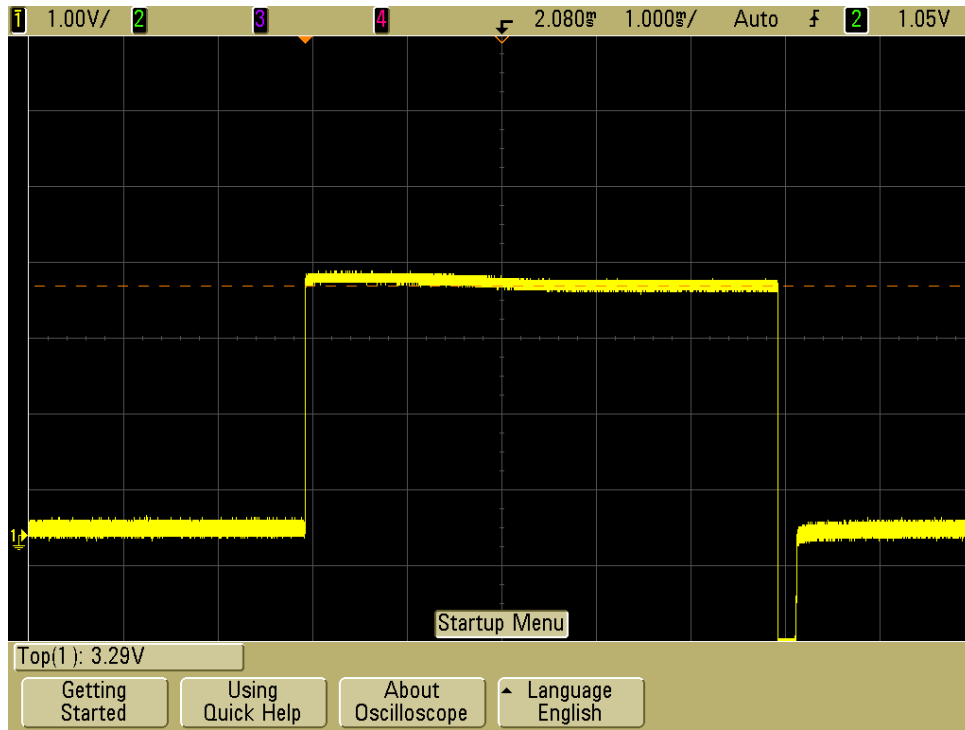


-10dBm @ +25°C

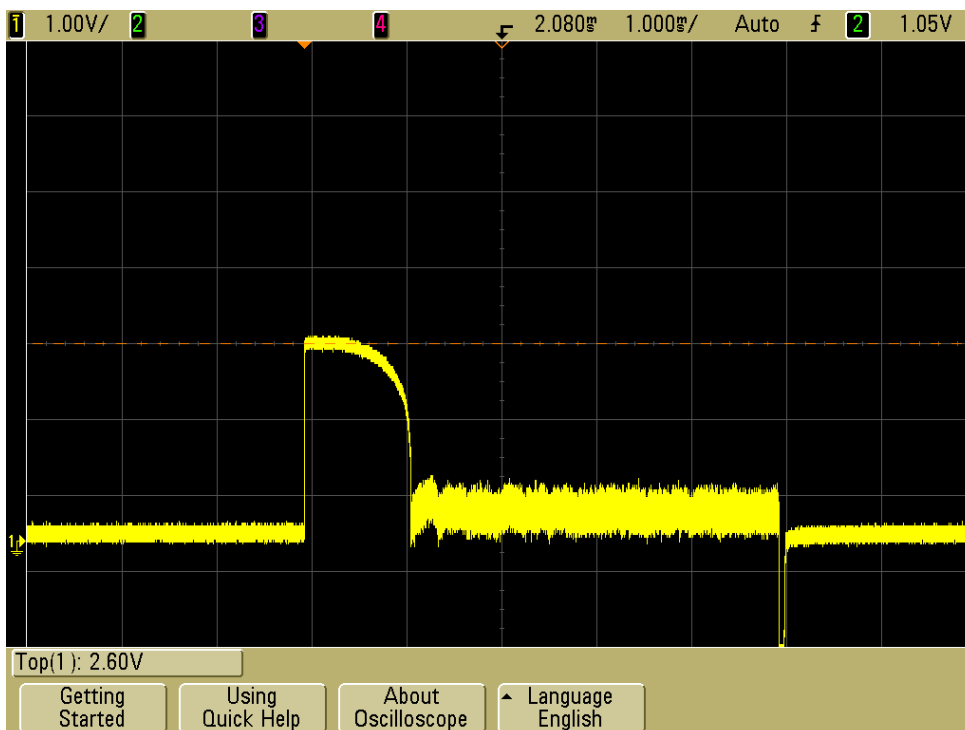




**-20dBm @ +25°C**

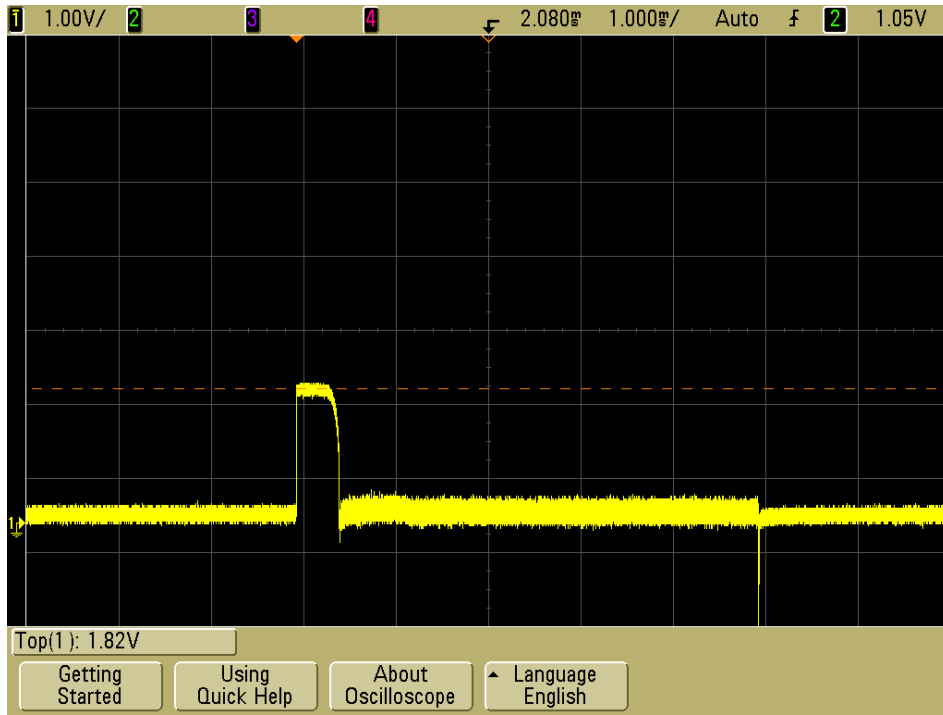


**-30dBm @ +25°C**

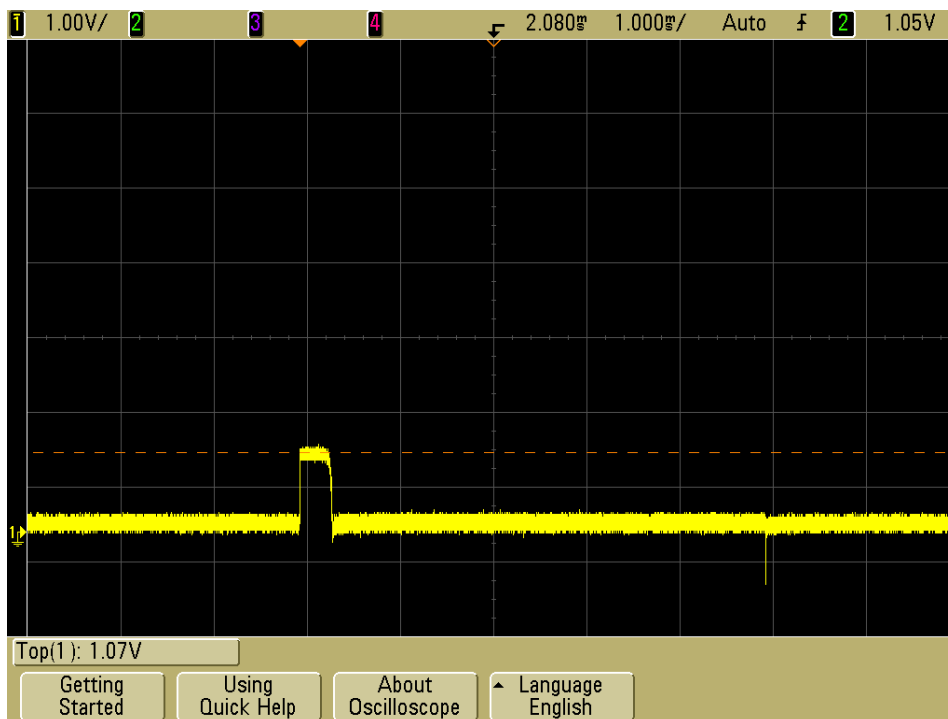




**-40dBm @ +25°C**

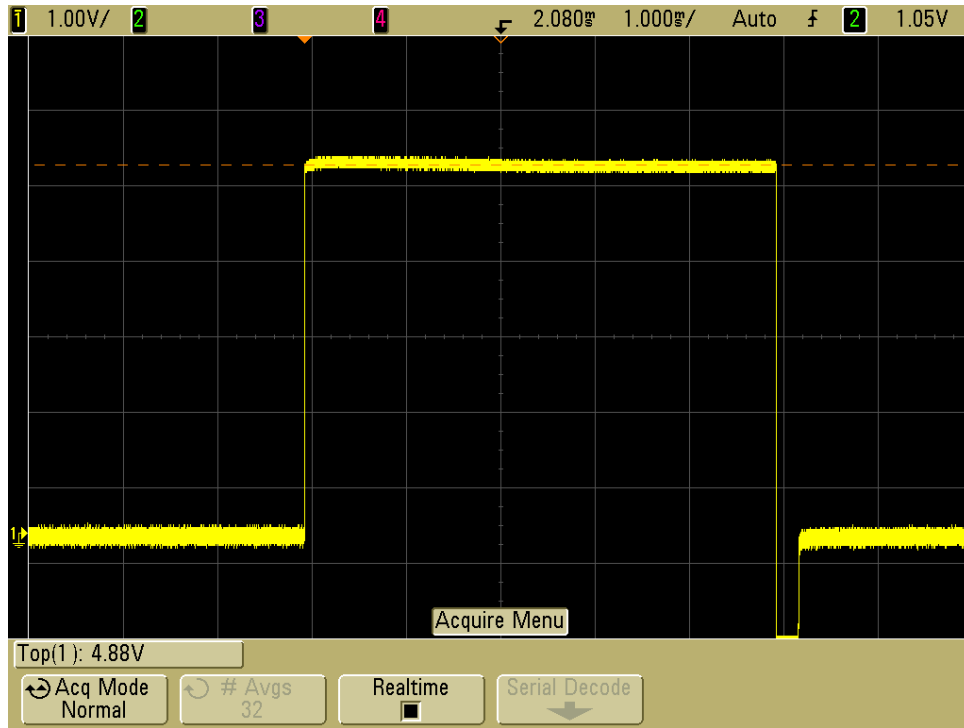


**-50dBm @ +25°C**

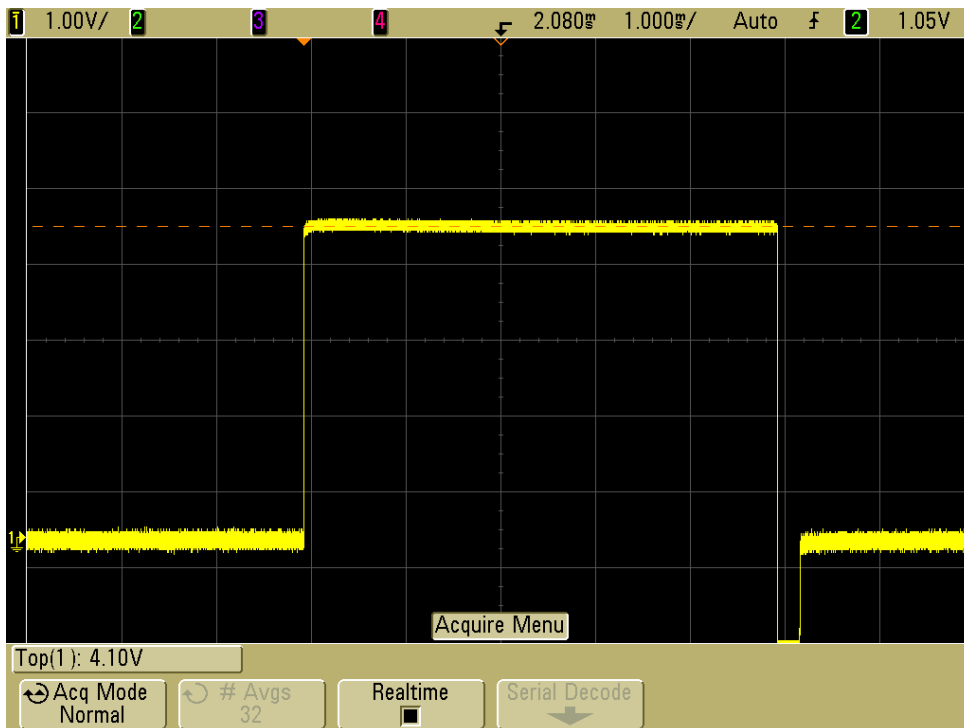




### 0dBm @ -54°C

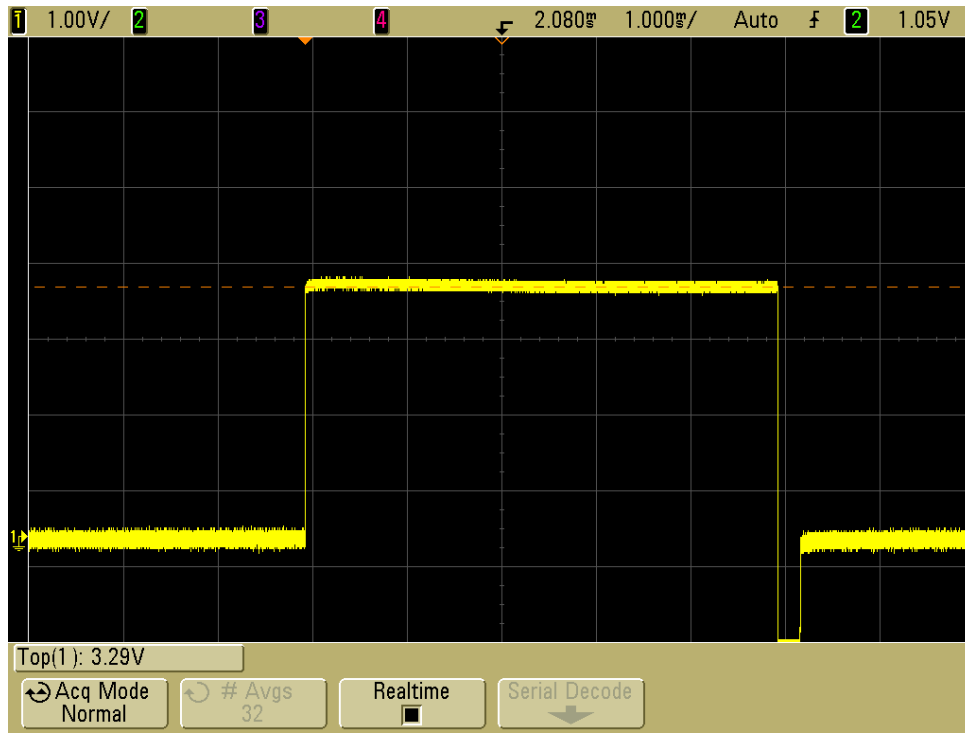


### -10dBm @ -54°C

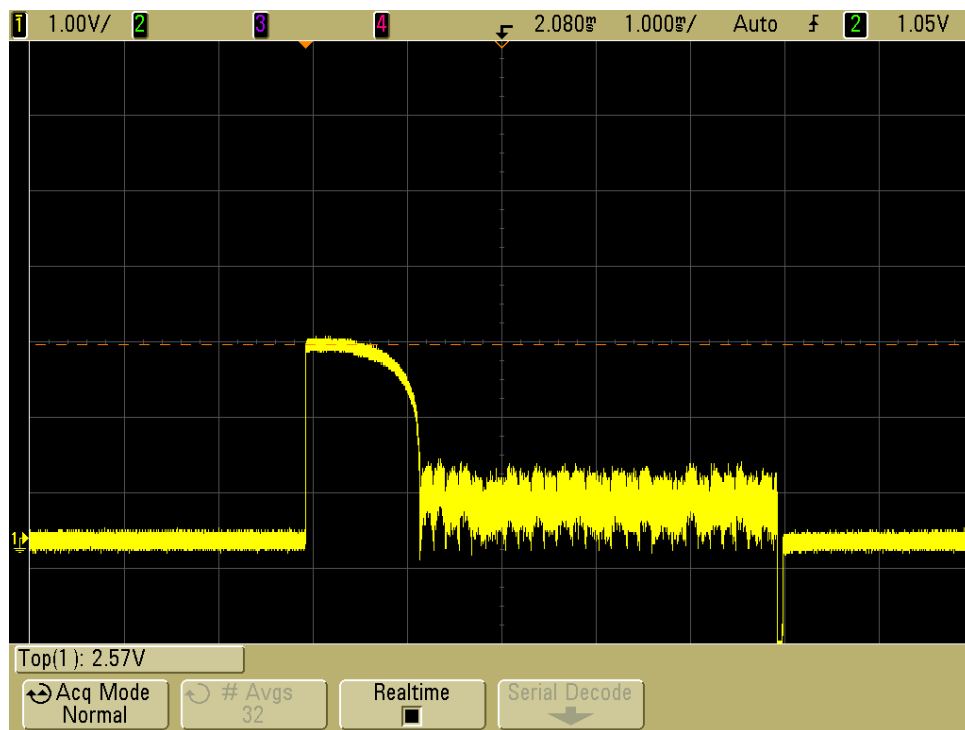




**-20dBm @ -54°C**



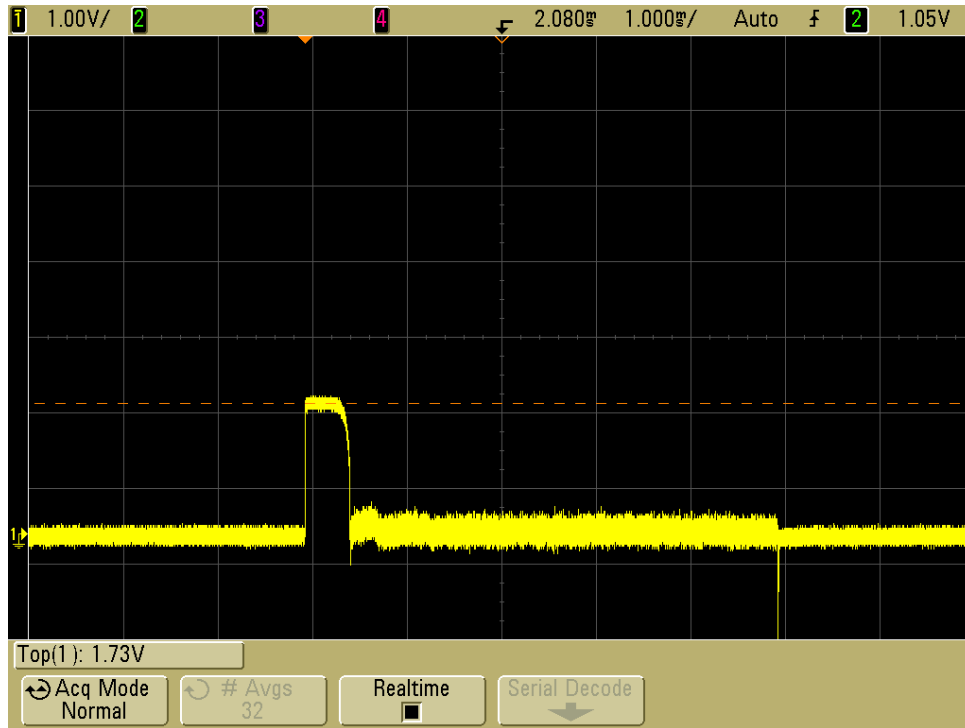
**-30dBm @ -54°C**



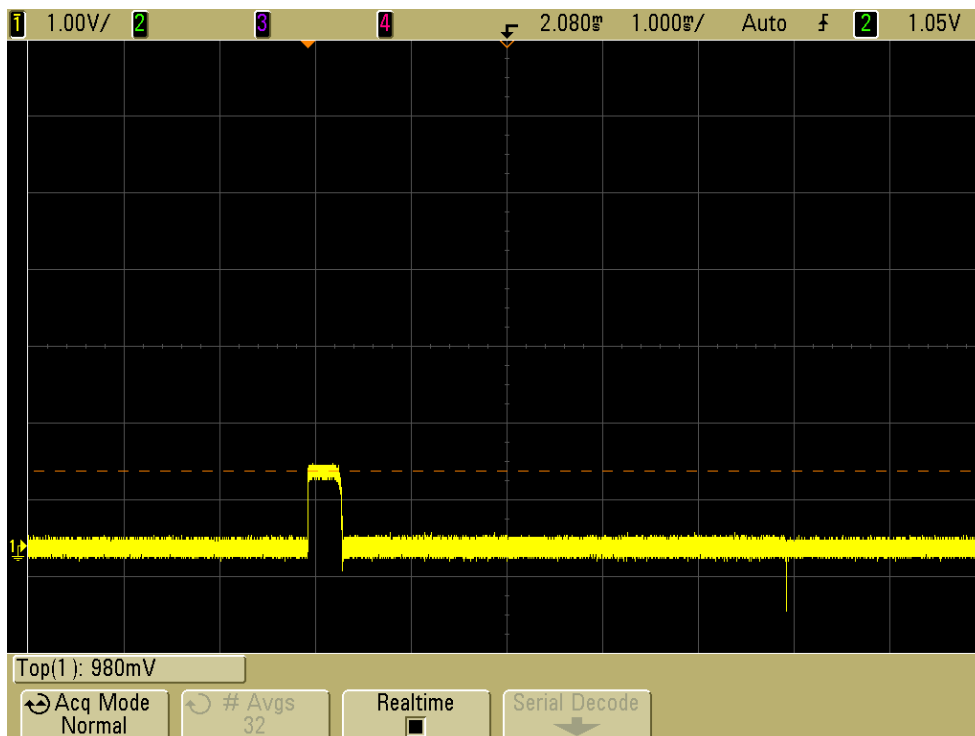




**-40dBm @ -54°C**

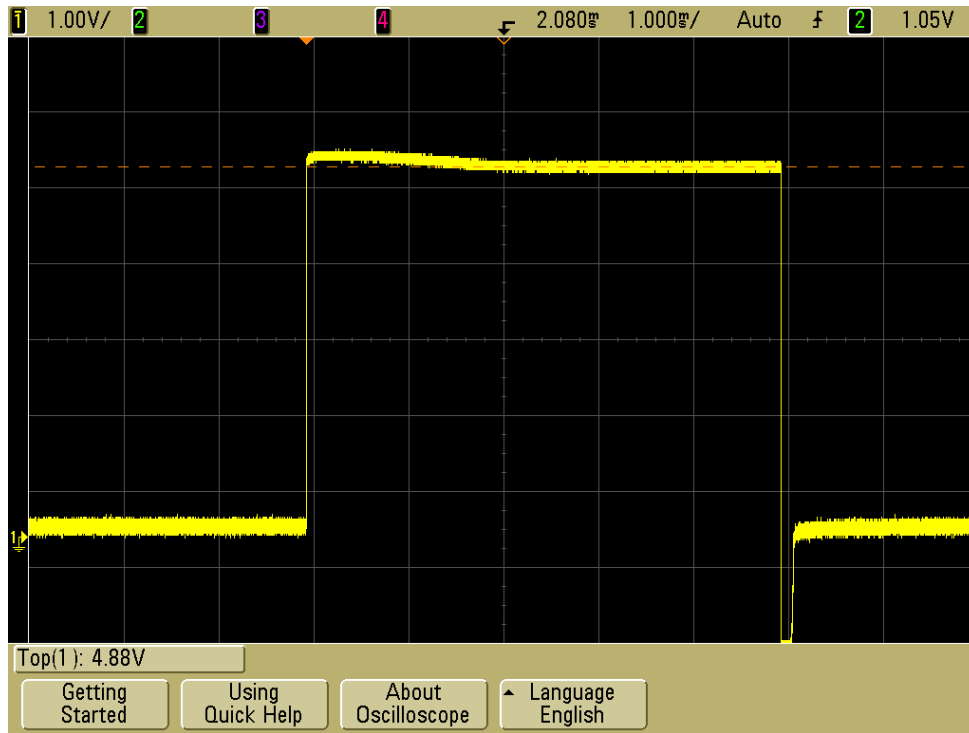


**-50dBm @ -54°C**

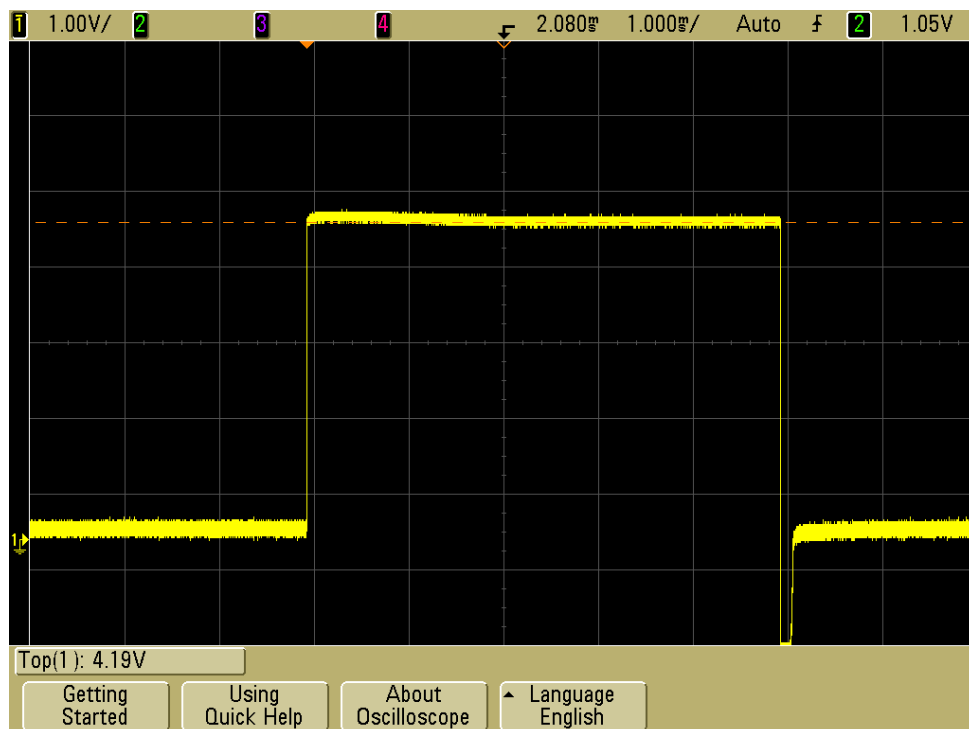




### 0dBm @ +95°C

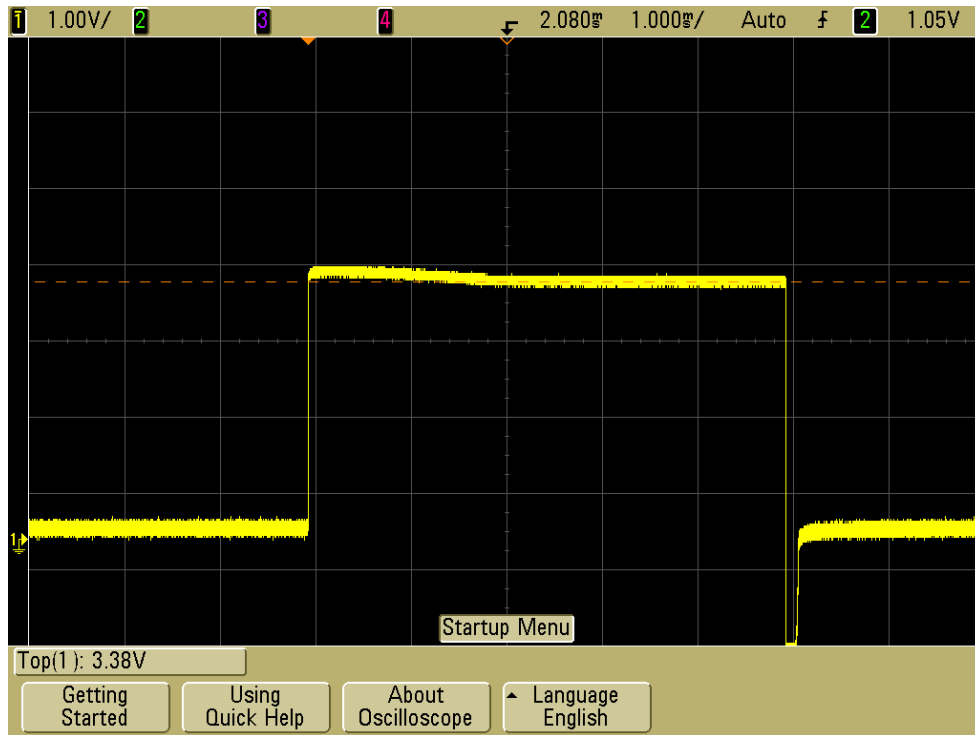


### -10dBm @ +95°C

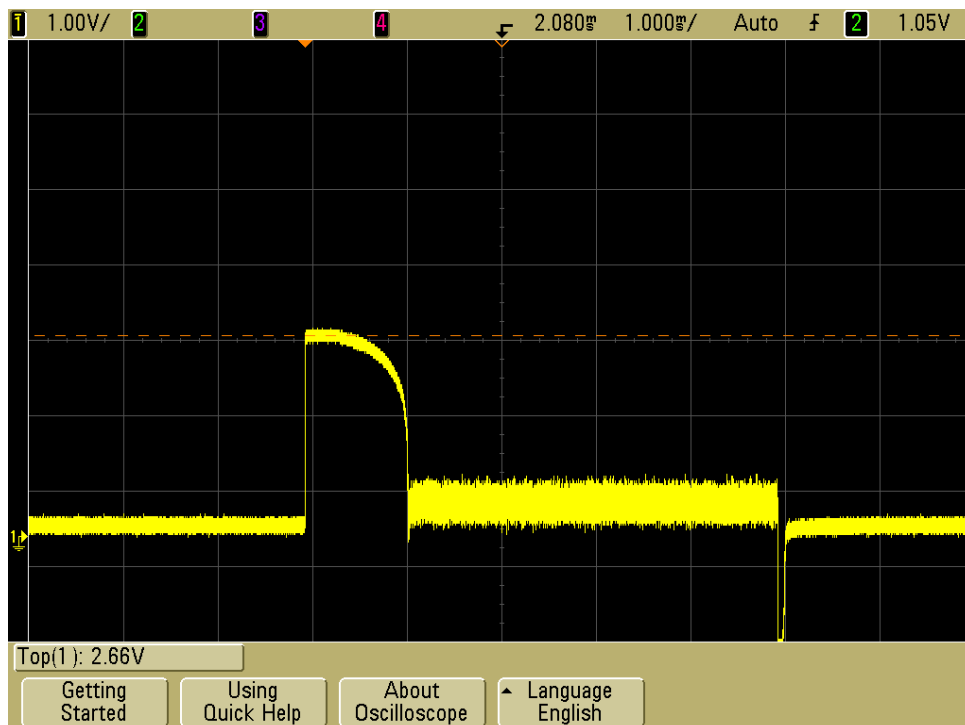




**-20dBm @ +95°C**

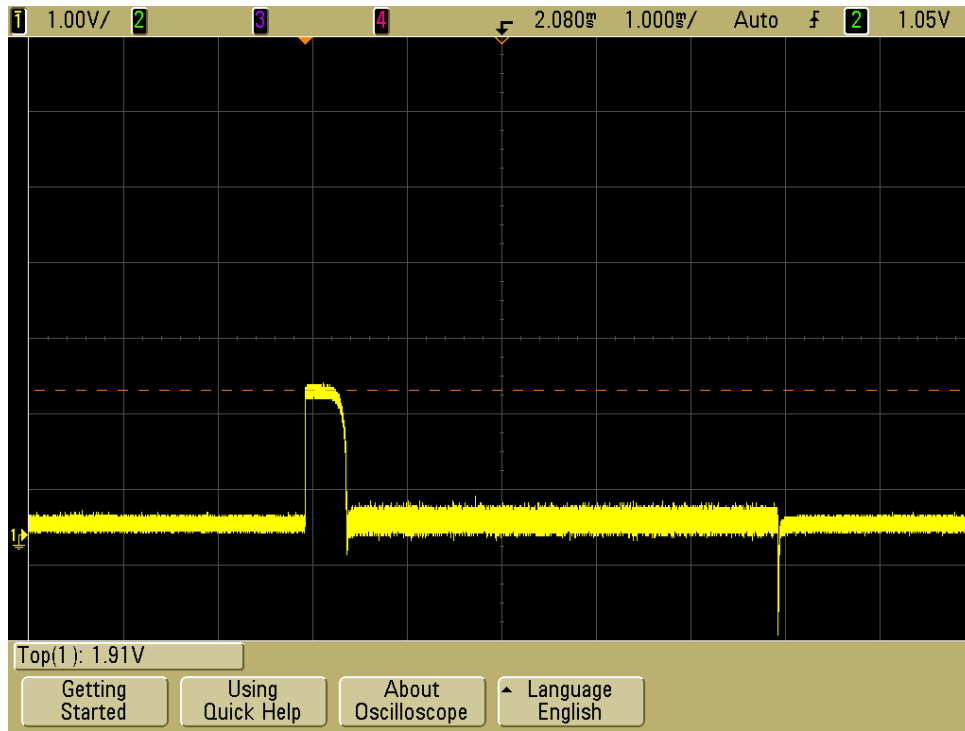


**-30dBm @ +95°C**

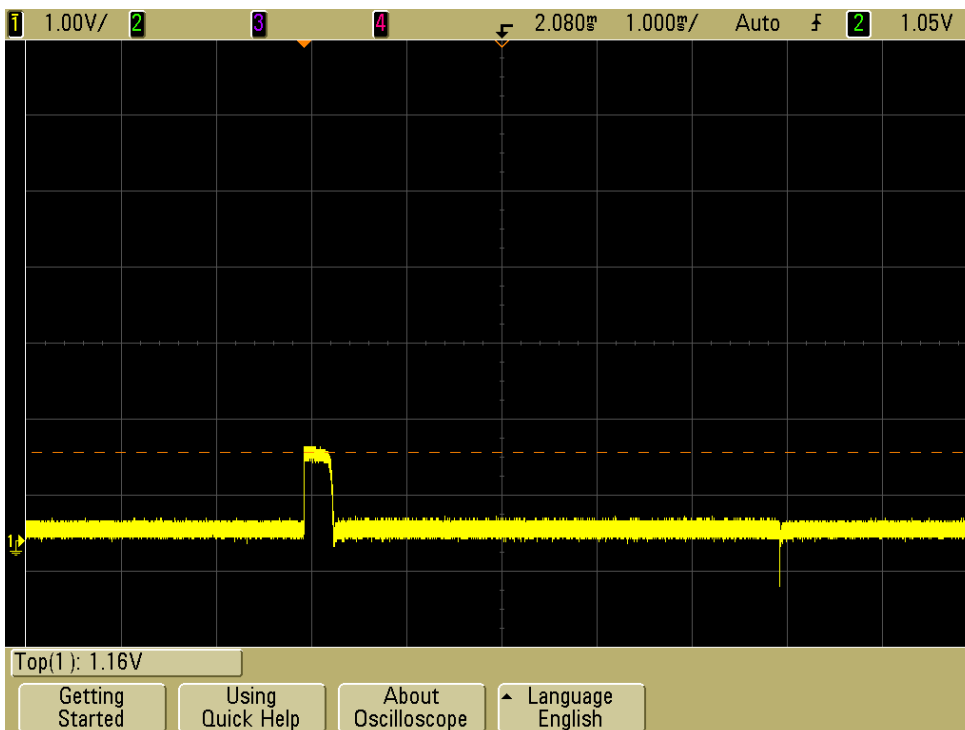




**-40dBm @ +95°C**



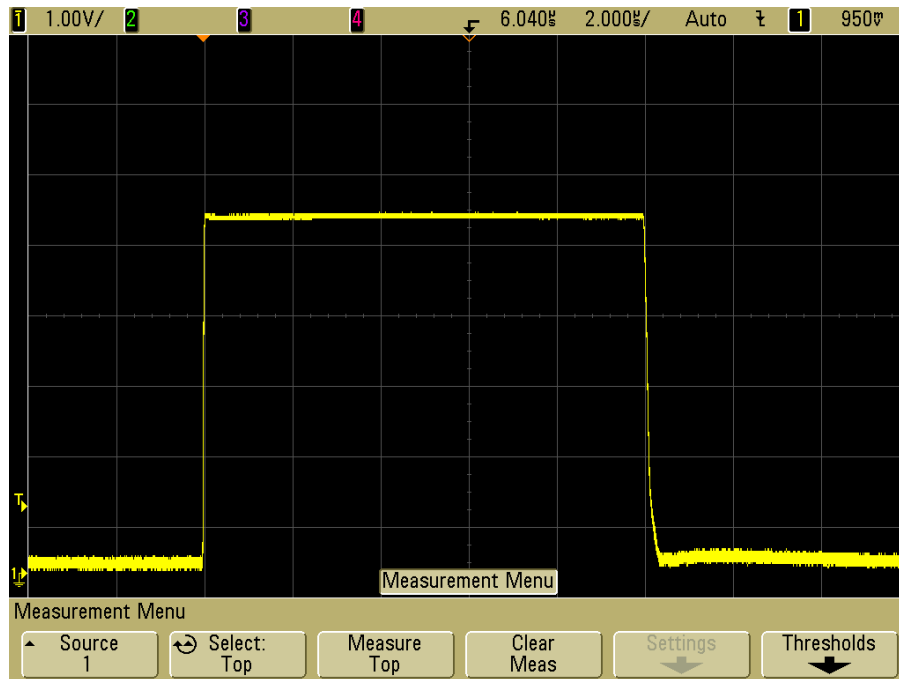
**-50dBm @ +95°C**



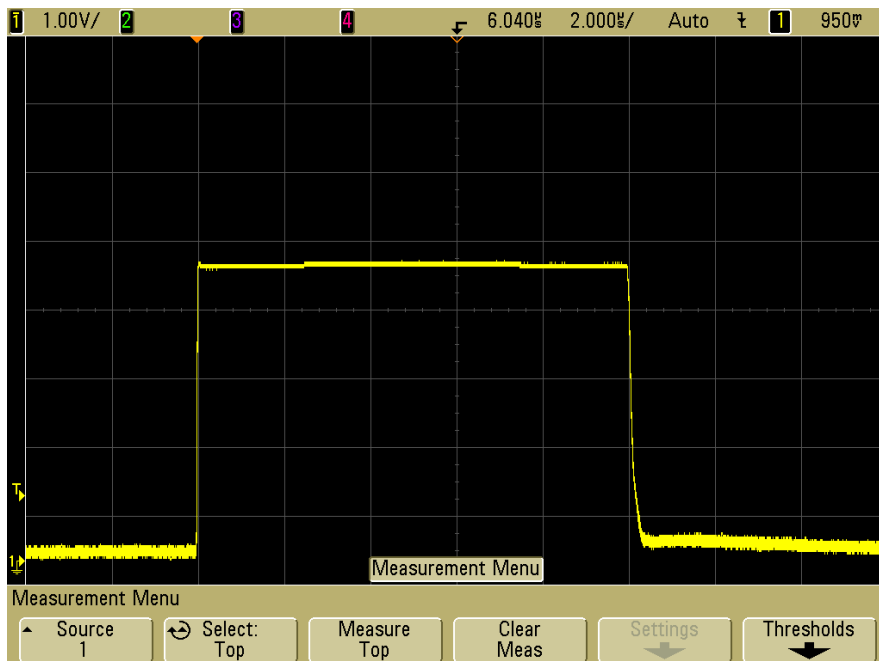


## PULSE ON PULSE

**9.0 GHz @ 0.0 dBm ON 10.0 GHz @ -20 dBm PULSE**

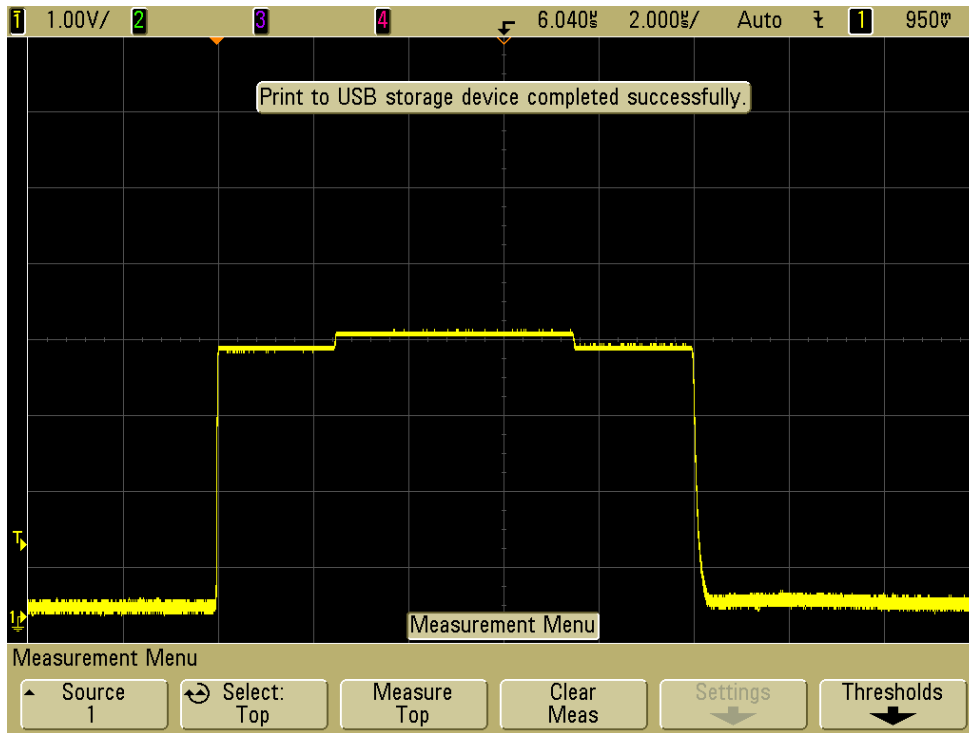


**9.0 GHz @ -10.0 dBm ON 10.0 GHz @ -20 dBm PULSE**

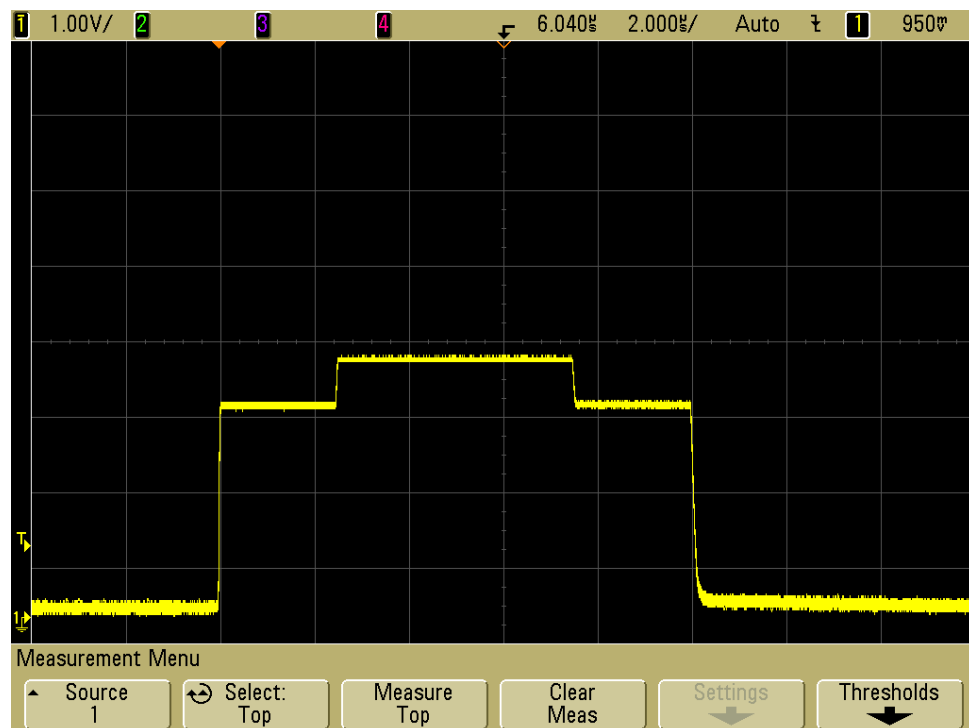




### 9.0 GHz @ -20.0 dBm ON 10.0 GHz @ -20 dBm PULSE



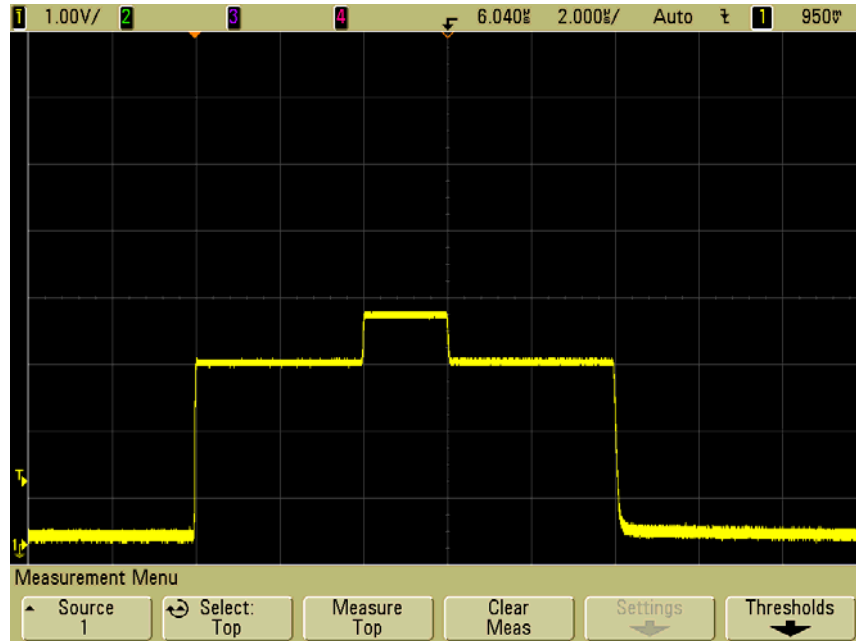
### 9.0 GHz @ -30.0 dBm ON 10.0 GHz @ -20 dBm PULSE



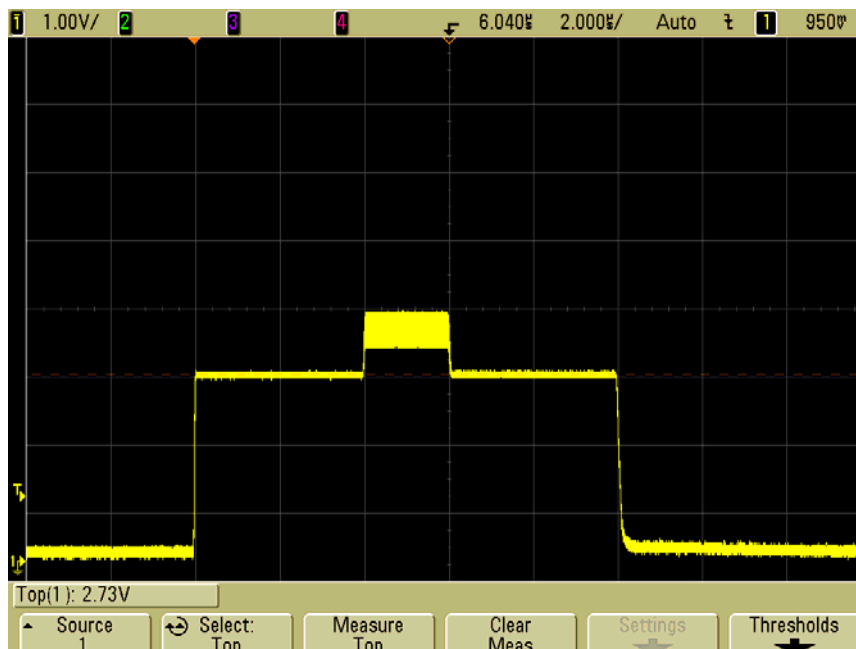


## AM MODULATION

### 9.978 GHz ON 10.000 GHz PULSE



### 10.000 GHz ON 10.000 GHz PULSE





## 10.023 GHz ON 10.000 GHz PULSE

