

**SUMMARY TEST DATA
ON
ERDLVA-218-DC-LPD**

Customer: _____ Tested By: Jim Hopson
 SO No: _____ Temperature: +25°C
 Model No: ERDLVA-218-DC-LPD Date: 05/28/21
 Serial No: PL32491/2121 Drawing No: 27622822 Rev: A1

TEST ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC PMI QA3
1	Frequency Range:	2 GHz – 18 GHz	2 GHz – 18 GHz	
2	Flatness:	± 1.5 dB Max.	± 1.3 dB See Plots	
3	Log Linearity	± 0.5 dB TYP. ±1.0 dB MAX	±.56/- .79 dB See Plots	
4	Logging Range:	-60 to +4 dBm	-60 to +4 dBm	
5	Log Slope	+85mV/dB	84.9 mV/dB & See Plot	
6	INPUT VSWR:	3.0:1 Max.	1.85:1	
7	TSS:	-64 dBm MAX.	-64 dBm	
8	Pulse Width Range:	50 nsec to CW.	50 nsec to CW.	
9	Video Rise Time:	20 nsec Max.	20 nsec	
10	Video Load Impedance:	75 ohms	75 ohms	
11	Recovery Time:	500 nsec Max.	480 nsec	
12	Output Stability:	±1.0 dB	±.5 dB	
13	DC Supply Power:	+15VDC / 190 mA MAX -15VDC / 100 mA MAX	+ 15 Volts @ 190 mA - 15 Volts @ 80 mA	

QA/QC Approval: *A Zimmerman* Date: 5-28-21



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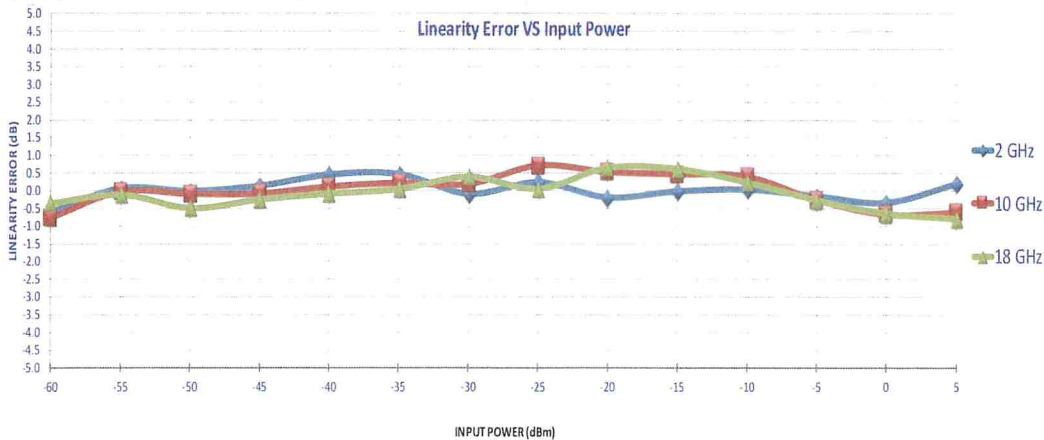
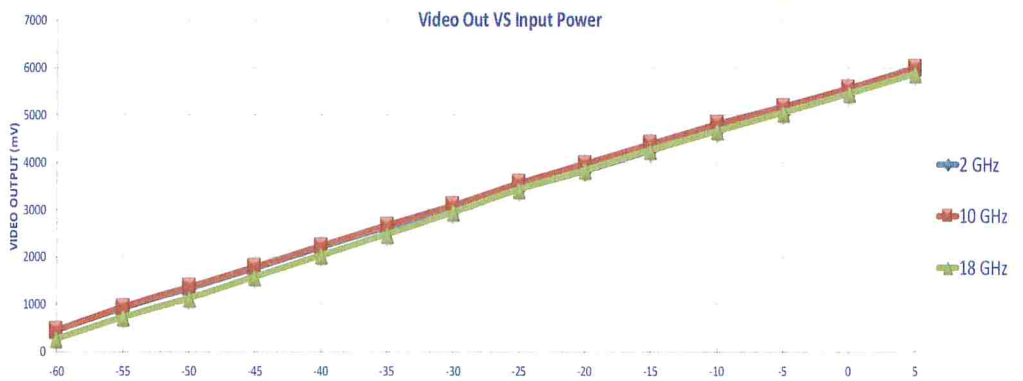
LOG TRANSFER WITH FREQUENCY
 MODEL: ERDLVA-218-DC-LPD
 TESTED BY: Jim Hopson
 TEST DATE: 5-28-21
 SERIAL NO: PL32491
 TEST TEMP: +25C



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Frequency

		-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	RF Input Power (dBm)
2 GHz	INTERCEPT (mV)	460	932	1341	1769	2211	2628	2997	3440	3820	4250	4670	5070	5470	5930	Measured Value (mV)
	SLOPE (mV/dB)	-52	5	-2	10	37	38	-9	19	-17	-2	2	-14	-29	15	Error (mV)
		-0.62	0.05	-0.03	0.12	0.44	0.46	-0.10	0.23	-0.20	-0.03	0.02	-0.17	-0.35	0.18	LINEARITY ERROR (dB)
10 GHz	INTERCEPT (mV)	447	935	1355	1781	2223	2657	3080	3550	3960	4380	4800	5170	5560	5990	Measured Value (mV)
	SLOPE (mV/dB)	-65	-3	-8	-8	9	17	15	60	44	39	33	-22	-58	-53	Error (mV)
		-0.77	-0.03	-0.10	-0.09	0.10	0.20	0.18	0.70	0.52	0.46	0.39	-0.26	-0.68	-0.62	LINEARITY ERROR (dB)
18 GHz	INTERCEPT (mV)	280	734	1134	1588	2035	2479	2942	3430	3830	4260	4660	5050	5450	5870	Measured Value (mV)
	SLOPE (mV/dB)	-31	-10	-42	-21	-7	4	34	5	56	53	20	-22	-55	-68	Error (mV)
		-0.35	-0.11	-0.49	-0.25	-0.08	0.04	0.39	0.08	0.65	0.62	0.24	-0.26	-0.64	-0.79	LINEARITY ERROR (dB)
Flatness +/-dB		1.1	1.2	1.3	1.1	1.1	1	0.8	0.7	0.8	0.8	0.8	0.7	0.6	0.7	



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