

LOG TRANSFER WITH FREQUENCY
 MODEL: DLVA-218-45-100MV-CW
 TESTED BY: johnm
 TEST DATE: 4-5-21
 SERIAL NO: PL29421
 TEST TEMP: +25C



PLANAR MONOLITHICS INDUSTRIES
 4921 Robert J. Mathews Parkway Suit 1
 El Dorado Hills, CA 95762
 TEL: 916-542-1401 FAX: 916-265-2597
 EMAIL: SALES@PMI-RF.COM

DC Offset= -0.152 V

Frequency	INTERCEPT (mV)	SLOPE (mV/dB)
2 GHz	4372	96

Frequency	INTERCEPT (mV)	SLOPE (mV/dB)
10 GHz	4294	93.9

Frequency	INTERCEPT (mV)	SLOPE (mV/dB)
18 GHz	4483	95.9

Flatness +/- dB
Max Video Output Volts
Min Video Output Volts

	-40	-35	-30	-25	-20	-15	-10	-5	0	5
533	1117	1500	1984	2394	2996	3383	3845	4441	4909	
0	104	7	11	-59	63	-29	-47	69	57	
0.00	1.08	0.07	0.12	-0.61	0.66	-0.31	-0.49	0.72	0.59	
-0.48	0.65	-0.33	-0.25	-0.95	0.37	-0.56	-0.72	0.54	0.45	
544	1126	1499	1983	2369	2962	3338	3769	4356	4861	
6	119	22	37	-47	77	-17	-56	62	97	
0.07	1.26	0.24	0.39	-0.50	0.81	-0.18	-0.59	0.66	1.04	
-0.36	0.75	-0.34	-0.26	-1.21	0.02	-1.04	-1.51	-0.35	-0.05	
659	1189	1608	2065	2470	3090	3467	3980	4568	4971	
13	64	3	-20	-94	46	-57	-23	85	8	
0.14	0.66	0.03	-0.20	-0.98	0.48	-0.59	-0.24	0.89	0.09	
0.84	1.41	0.80	0.60	-0.15	1.36	0.32	0.70	1.87	1.10	
0.70	0.40	0.60	0.40	0.50	0.70	0.70	1.10	1.10	0.60	
0.659	1.189	1.608	2.065	2.470	3.090	3.467	3.980	4.568	4.971	
0.533	1.117	1.499	1.983	2.369	2.962	3.338	3.769	4.356	4.861	

RF Input Power (dBm)

Measured Value (mV)	Error(dB)	
Error (mV)	MAX	MIN
LINEARITY ERROR (dB)	1.08	-0.61
LOGGING ACCURACY (dB)	0.65	-0.95

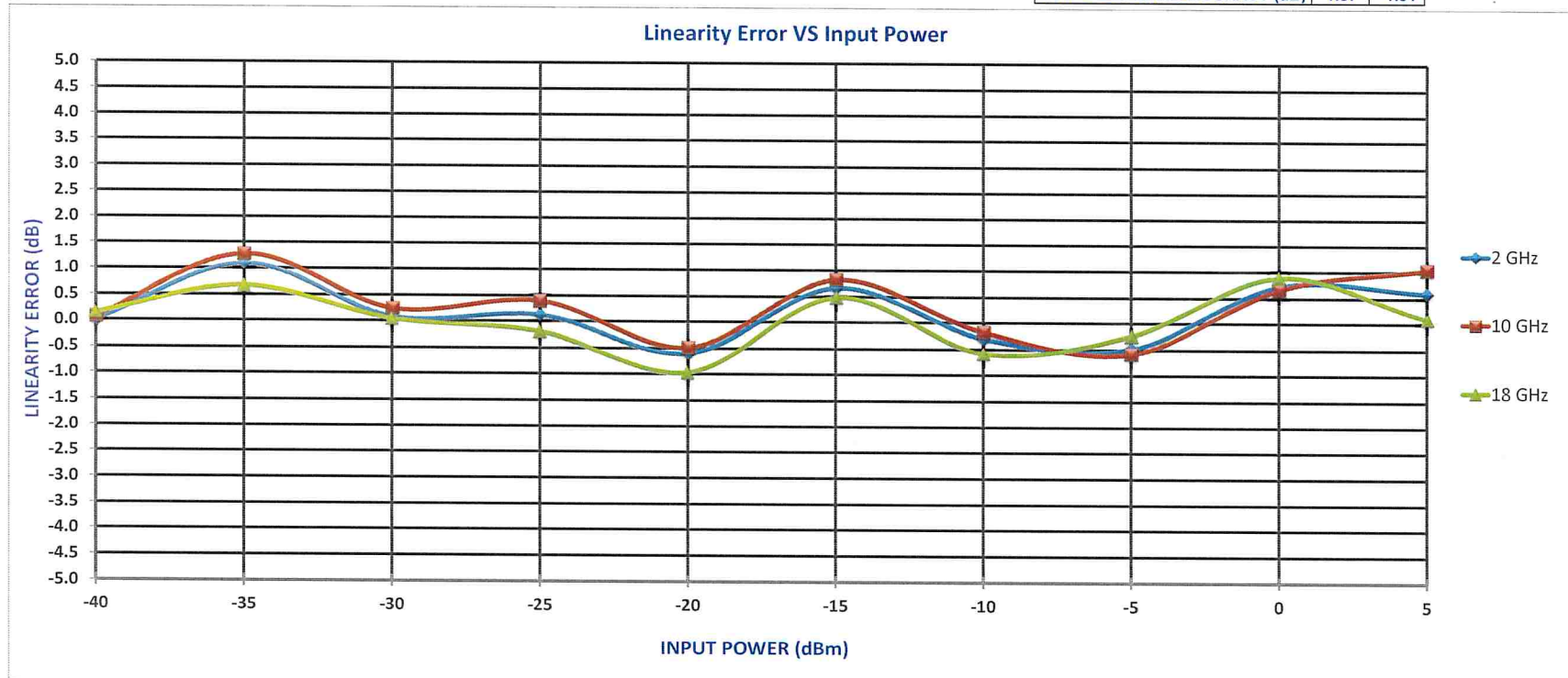
Measured Value (mV)	Error(dB)	
Error (mV)	MAX	MIN
LINEARITY ERROR (dB)	1.26	-0.59
LOGGING ACCURACY (dB)	0.75	-1.51

Measured Value (mV)	Error(dB)	
Error (mV)	MAX	MIN
LINEARITY ERROR (dB)	0.89	-0.98
LOGGING ACCURACY (dB)	1.87	-0.15

Logging Linearity vs Frequency	Error(dB)	
TOTAL LOG LINEARITY (dB)	1.26	-0.98

Logging Accuracy vs Frequency	Error(dB)	
TOTAL LOGGING ACCURACY (dB)	1.87	-1.51

Arthur Zimmerman
 4-8-21
 PMI QA3



Output Voltage VS Input Power

