

LOG TRANSFER WITH FREQUENCY  
 MODEL: DLVA-218-45-100MV-CW  
 TESTED BY: johnm  
 TEST DATE: 4-5-21  
 SERIAL NO: PL29423  
 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= 0.149 V

Frequency	INTERCEPT (mV)	4262
2 GHz	SLOPE (mV/dB)	94.4

Frequency	INTERCEPT (mV)	4165
10 GHz	SLOPE (mV/dB)	92.2

Frequency	INTERCEPT (mV)	4330
18 GHz	SLOPE (mV/dB)	93.9

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

	-40	-35	-30	-25	-20	-15	-10	-5	0	5
430	925	1456	1880	2324	2833	3403	3761	4225	4668	
-58	-34	25	-23	-51	-14	85	-29	-37	-66	
-0.61	-0.37	0.26	-0.24	-0.54	-0.14	0.90	-0.31	-0.39	-0.70	
-0.19	0.11	0.78	0.32	0.07	0.51	1.61	0.44	0.40	0.14	
424	914	1441	1854	2285	2762	3331	3683	4122	4591	
-53	-24	42	-6	-36	-20	88	-21	-43	-35	
-0.57	-0.26	0.46	-0.06	-0.39	-0.22	0.95	-0.23	-0.47	-0.38	
-0.25	-0.01	0.62	0.04	-0.35	-0.25	0.84	-0.40	-0.70	-0.68	
489	1027	1506	1963	2361	2926	3461	3832	4295	4702	
-84	-16	-6	-19	-90	5	70	-28	-35	-97	
-0.89	-0.17	-0.07	-0.20	-0.96	0.05	0.75	-0.30	-0.37	-1.04	
0.44	1.20	1.32	1.21	0.46	1.51	2.23	1.20	1.15	0.50	
0.40	0.60	0.40	0.60	0.40	0.90	0.70	0.80	0.90	0.60	
0.489	1.027	1.506	1.963	2.361	2.926	3.461	3.832	4.295	4.702	
0.424	0.914	1.441	1.854	2.285	2.762	3.331	3.683	4.122	4.591	

RF Input Power (dBm)

Measured Value (mV)	Error(dB)
Error (mV)	MAX MIN
LINEARITY ERROR (dB)	0.90 -0.70
LOGGING ACCURACY (dB)	1.61 -0.19

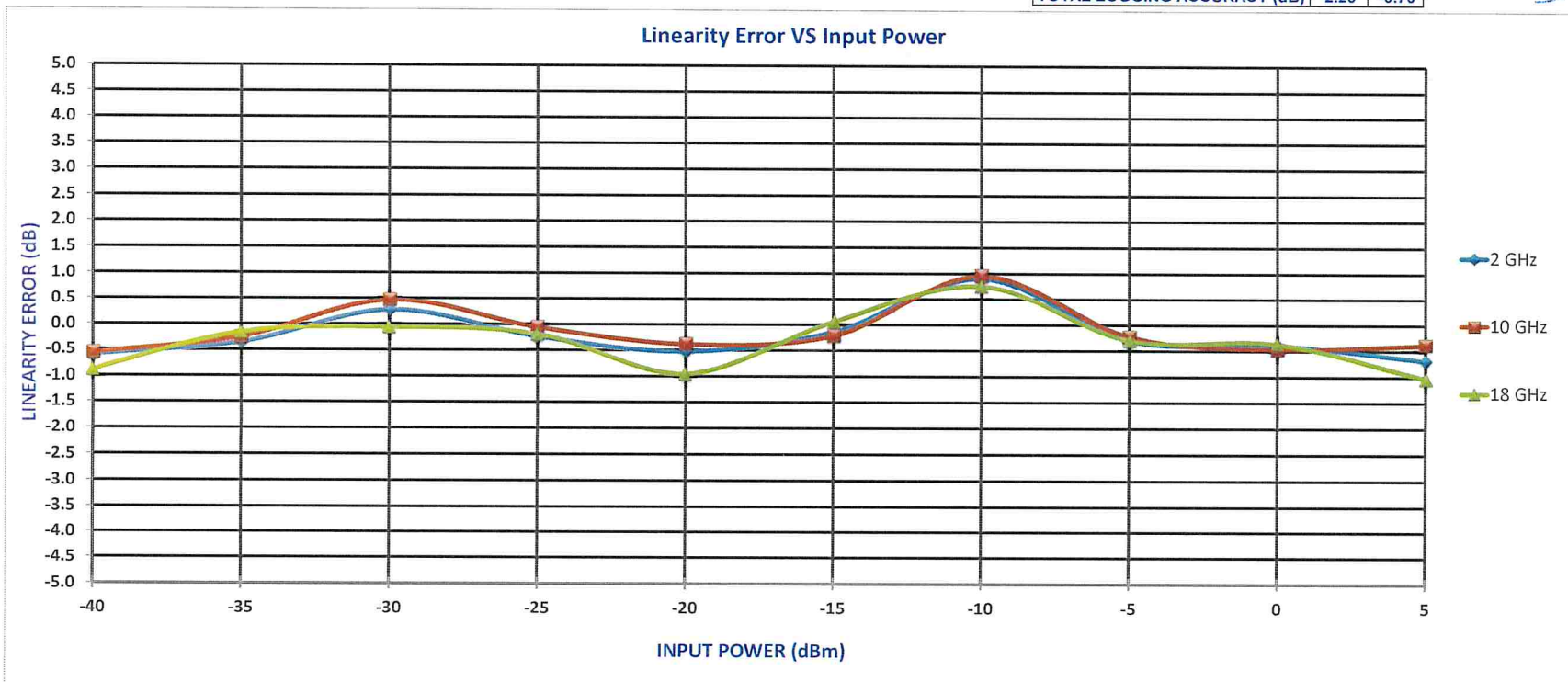
Measured Value (mV)	Error(dB)
Error (mV)	MAX MIN
LINEARITY ERROR (dB)	0.95 -0.57
LOGGING ACCURACY (dB)	0.84 -0.70

Measured Value (mV)	Error(dB)
Error (mV)	MAX MIN
LINEARITY ERROR (dB)	0.75 -1.04
LOGGING ACCURACY (dB)	2.23 0.44

Logging Linearity vs Frequency	Error(dB)
	MAX MIN
TOTAL LOG LINEARITY (dB)	0.95 -1.04

Logging Accuracy vs Frequency	Error(dB)
	MAX MIN
TOTAL LOGGING ACCURACY (dB)	2.23 -0.70

*Arthur Zimmerman*  
 4-8-2021  
 PMI OAS



Output Voltage VS Input Power

