

LOG TRANSFER WITH FREQUENCY
 MODEL: DLVA-218-45-100MV-CW
 TESTED BY: johnm
 TEST DATE: 4-5-21
 SERIAL NO: PL29422
 TEST TEMP: +25C



PLANAR MONOLITHICS INDUSTRIES
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DC Offset= -0.145 V

Frequency	INTERCEPT (mV)	4275
2 GHz	SLOPE (mV/dB)	93.9

Frequency	INTERCEPT (mV)	4113
10 GHz	SLOPE (mV/dB)	91.4

Frequency	INTERCEPT (mV)	4328
18 GHz	SLOPE (mV/dB)	93.6

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

	-40	-35	-30	-25	-20	-15	-10	-5	0	5
503	1095	1447	1922	2346	2953	3326	3756	4314	4787	
-16	106	-11	-6	-51	87	-10	-49	39	43	
-0.17	1.13	-0.12	-0.06	-0.54	0.92	-0.10	-0.52	0.42	0.46	
0.03	1.40	0.19	0.30	-0.14	1.39	0.40	0.03	1.03	1.12	
425	1042	1382	1861	2244	2823	3230	3597	4129	4650	
-32	128	11	33	-41	81	31	-59	16	80	
-0.35	1.40	0.12	0.36	-0.45	0.89	0.34	-0.65	0.18	0.88	
-0.81	0.83	-0.51	-0.36	-1.24	-0.01	-0.63	-1.68	-0.96	-0.35	
572	1139	1501	1973	2374	3008	3372	3827	4370	4807	
-14	85	-20	-16	-83	83	-21	-34	42	11	
-0.15	0.91	-0.22	-0.17	-0.89	0.89	-0.22	-0.36	0.44	0.11	
0.77	1.87	0.77	0.85	0.16	1.98	0.90	0.80	1.64	1.34	
0.80	0.50	0.70	0.60	0.70	1.00	0.80	1.30	1.30	0.90	
0.572	1.139	1.501	1.973	2.374	3.008	3.372	3.827	4.370	4.807	
0.425	1.042	1.382	1.861	2.244	2.823	3.230	3.597	4.129	4.650	

RF Input Power (dBm)

Measured Value (mV)	Error(dB)	
Error (mV)	MAX	MIN
LINEARITY ERROR (dB)	1.13	-0.54
LOGGING ACCURACY (dB)	1.40	-0.14

Measured Value (mV)	Error(dB)	
Error (mV)	MAX	MIN
LINEARITY ERROR (dB)	1.40	-0.65
LOGGING ACCURACY (dB)	0.83	-1.68

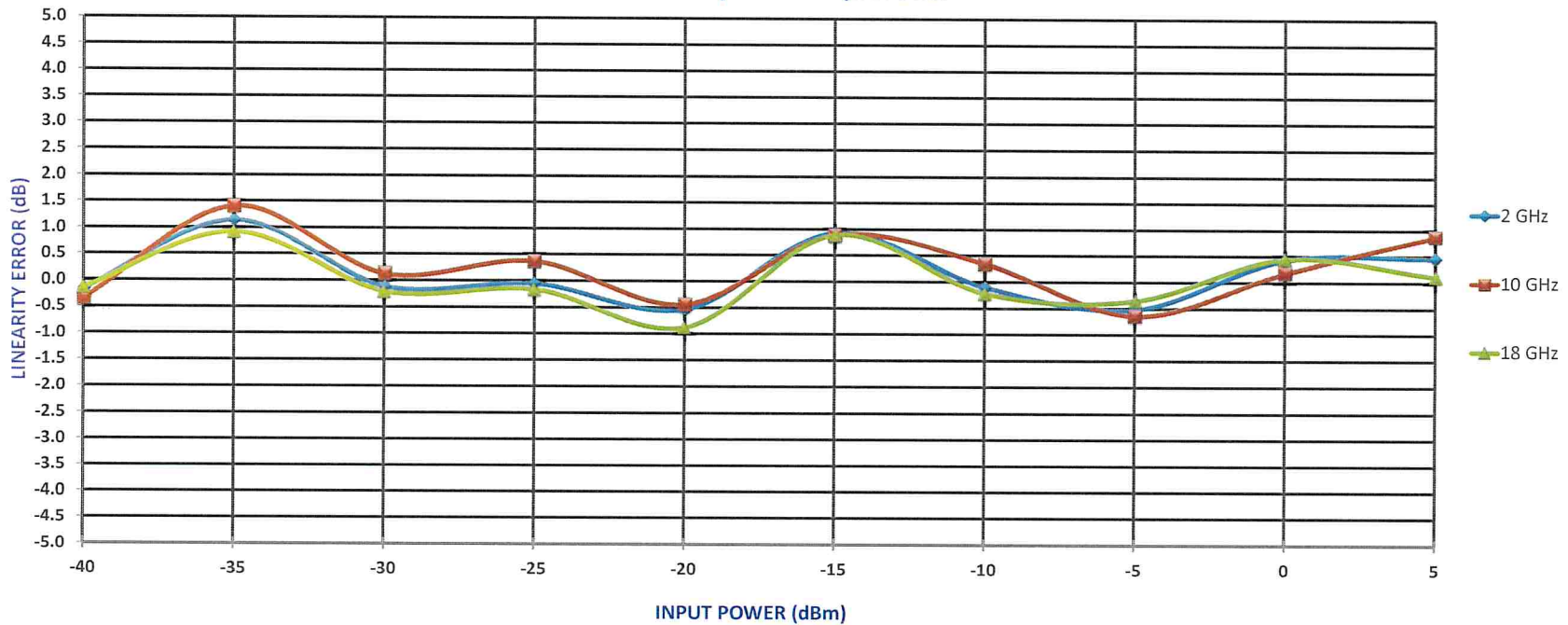
Measured Value (mV)	Error(dB)	
Error (mV)	MAX	MIN
LINEARITY ERROR (dB)	0.91	-0.89
LOGGING ACCURACY (dB)	1.98	0.16

Logging Linearity vs Frequency	Error(dB)	
	MAX	MIN
TOTAL LOG LINEARITY (dB)	1.40	-0.89

Logging Accuracy vs Frequency	Error(dB)	
	MAX	MIN
TOTAL LOGGING ACCURACY (dB)	1.98	-1.68

Arthur Zimmerman
 4-8-21
 PMI QA3

Linearity Error VS Input Power



Output Voltage VS Input Power

