SUMMARY TEST DATA
ON
DETECTER LOGRITHMIC VIDEO AMPLIFIER (DLVA)

CUSTOMER: [illegible]
MODEL NO: DLVA-2G6G-AC-1
OPTION NO:
SERIAL NO: PL8754

JOB NO: [illegible]
TESTED BY: B. Baker
TEMPERATURE: +25 °C
DATE: 03/09/11

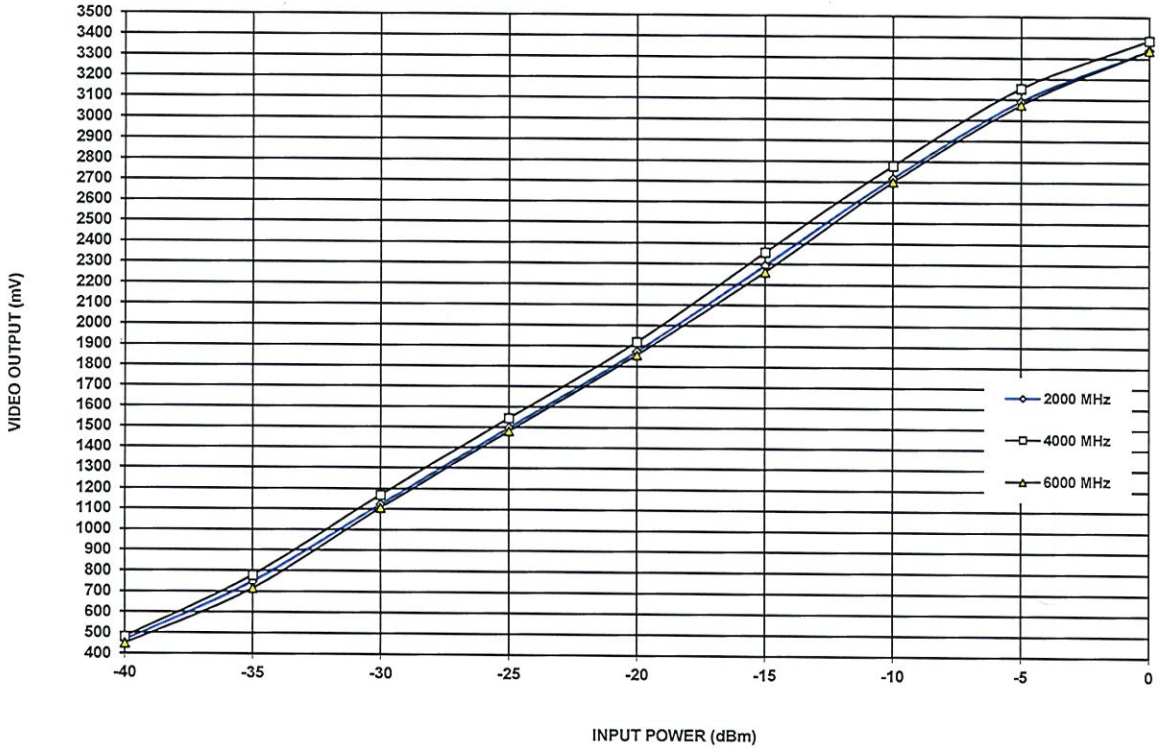
TEST ITEM NO:	PARAMETERS	SPECIFIED VALUE	MEASURED VALUE	REMARKS QA/QC
1	Operating Frequency	2-6 GHz	See Data	
2	INPUT VSWR	NONE	2.4 :1	
3	COUPLING	AC	AC	
4	VIDEO LOAD	90 OHMS	90 OHMS	
5	VIDEO OUTPUT	0.4 TO 3.5 Volts (TYP.)	See Data	
6	PULSE DENSITY	250 Kbps (MIN.)	PASS	
7	LOG SLOPE	75 mV/dB (TYP.)	See Data	
8	DYNAMIC RANGE	40dB	See Data	
9	AMPLITUDE FLATNESS	±1.5 dB (TYP.)	See Data	
10	RECOVERY TIME	1 µSec (MAX.)	50 nS	
11	TSS	-43 dBm (TYP.)	dBm	
12	VIDEO RISE TIME (10% TO 90%)	30 nSec (TYP.)	20 nS	
13	PULSE RESPONSE RANGE	0.1 TO 12.75 µSec	PASS	
14	DC POWER @ +15 V	NONE	60 mA	
15	DC POWER @ -15 V	NONE	52 mA	

QA / QC APPROVAL: _____ DATED: _____

DLVA 2G6G-AC-1
LOG TRANSFER WITH FREQUENCY

+25 ° C
S/N: PL8754
Date: 3/9/2011

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

INPUT POWER (dBm)	-40	-35	-30	-25	-20	-15	-10	-5	0
FREQUENCY 2000 MHz	466	747	1122	1497	1872	2294	2716	3091	3341
SLOPE 75.051 mv/db	62	-32	-32	-33	-33	14	60	60	-65
INTERCEPT 3405.9 mv									
FREQUENCY 4000 MHz	481	778	1169	1544	1919	2356	2778	3153	3388
SLOPE 75.936 mv/db	48	-35	-24	-28	-33	25	67	62	-83
INTERCEPT 3470.5 mv									
FREQUENCY 6000 MHz	450	716	1106	1481	1856	2263	2700	3075	3341
SLOPE 75.364 mv/db	70	-41	-28	-29	-31	-2	59	57	-54
INTERCEPT 3394.8 mv									

Measured Values (mv)		
Log Linearity (dB)	±	0.87
Measured Values (mv)		
Log Linearity (dB)	±	1.09
Measured Values (mv)		
Log Linearity (dB)	±	0.93