



**TYPICAL CHARACTERISTICS  
ON  
FD-0518-10-812**



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**Tested & Reported By: Sebastian Palacio**

**December 10, 2012**



**TYPICAL CHARACTERISTICS  
ON  
FD-0518-10-812**

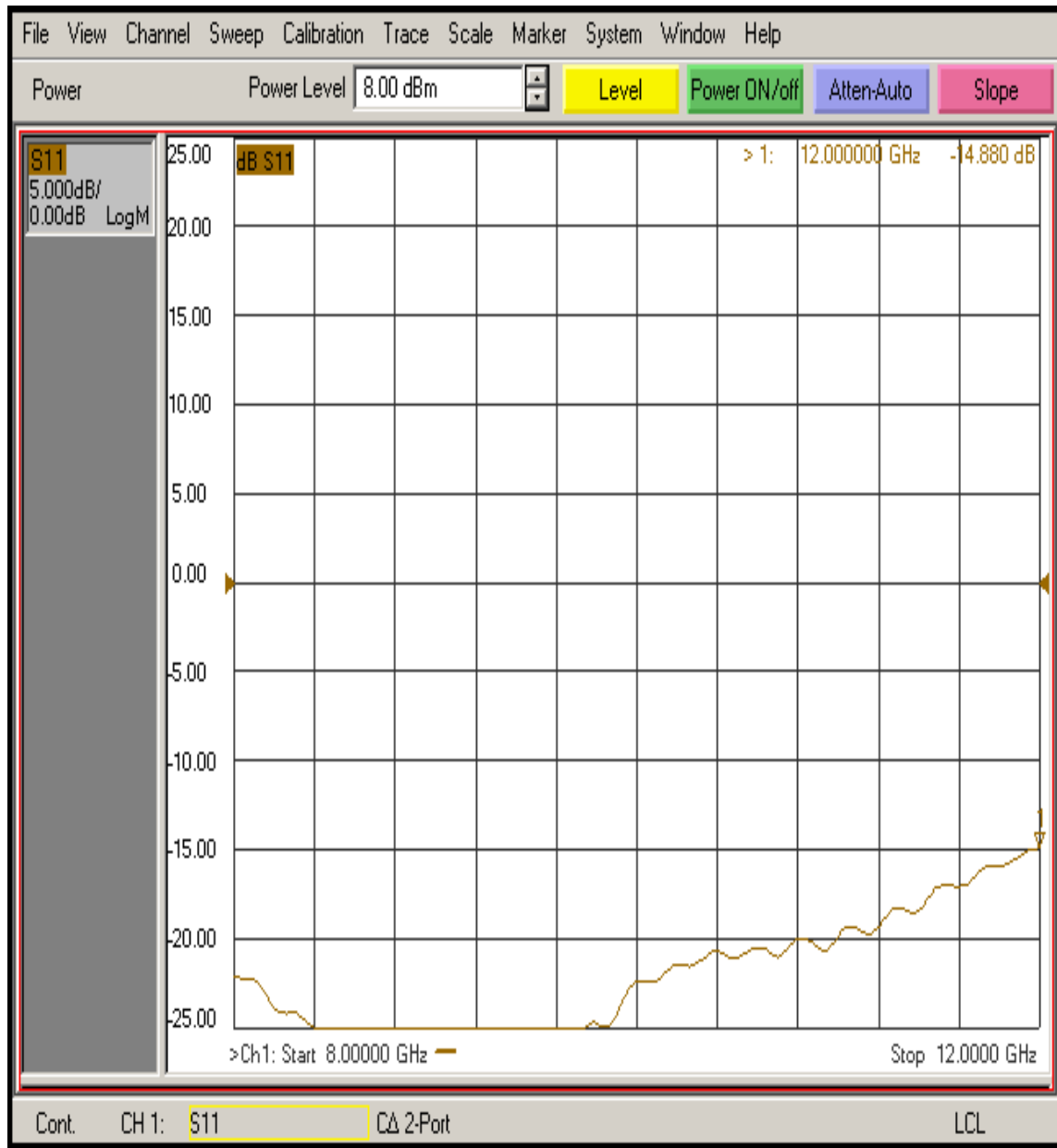
TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE	TEST RESULTS	QA QC
1	Frequency Range:	8.0 TO 12.0 GHz	<b>Pass 8.0 TO 12.0 GHz</b>	
2	Input VSWR	2.0:1 Max. 1.5:1 Typ.	<b>1.44:1 (See Plot)</b>	
3	Operating Input Power:	+10dBm Nominal, ±0.1dBm	<b>Pass</b>	
4	Video Impedance	100 Ω Nominal	<b>Pass</b>	
5	Video Output Rise Time:	20ns	<b>5ns (See Plot)</b>	
6	Video Output Slope:	50mV/GHz	<b>50.735mV/GHz (See Plot)</b>	
7	Frequency Discriminator Accuracy:*	±200MHz	<b>Pass (See Plot)</b>	
8	RF Input Power (Survival):	+15dBm	<b>Pass</b>	
9	Positive Supply:	+15VDC @ +75mA	<b>+11mA</b>	
	Negative Supply:	-15VDC @ -75mA	<b>-11mA</b>	



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INPUT RETURN LOSS

10dBm Power In

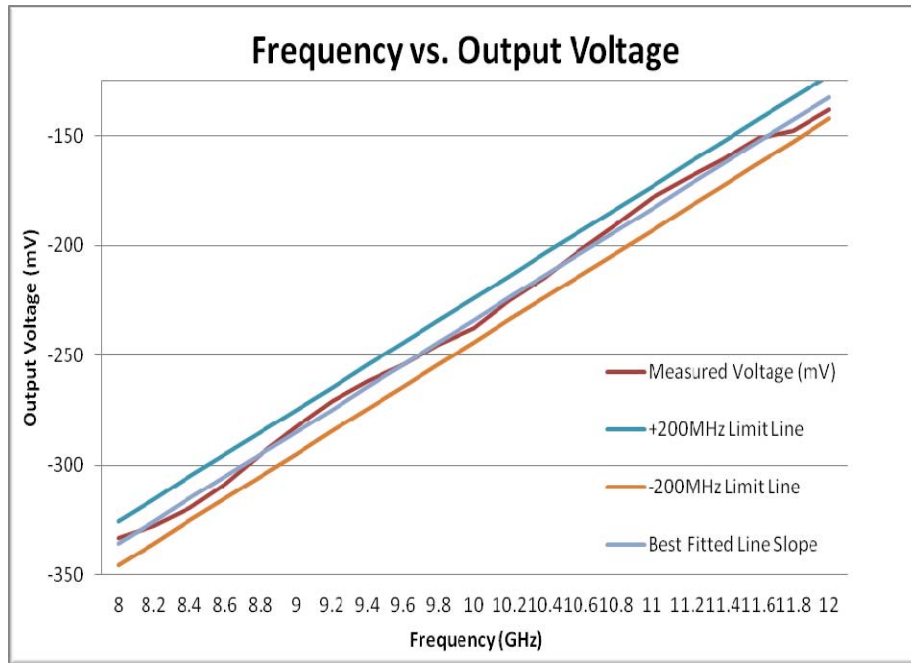




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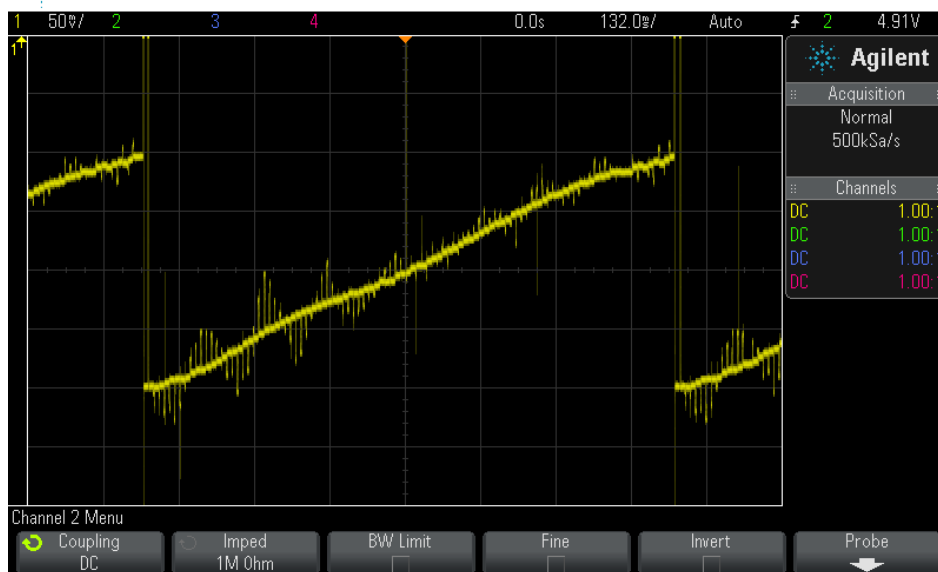
## VIDEO OUTPUT SLOPE

10dBm Power In / 50mV per Div.



Agilent Technologies

Tue Dec 11 02:38:00 2012



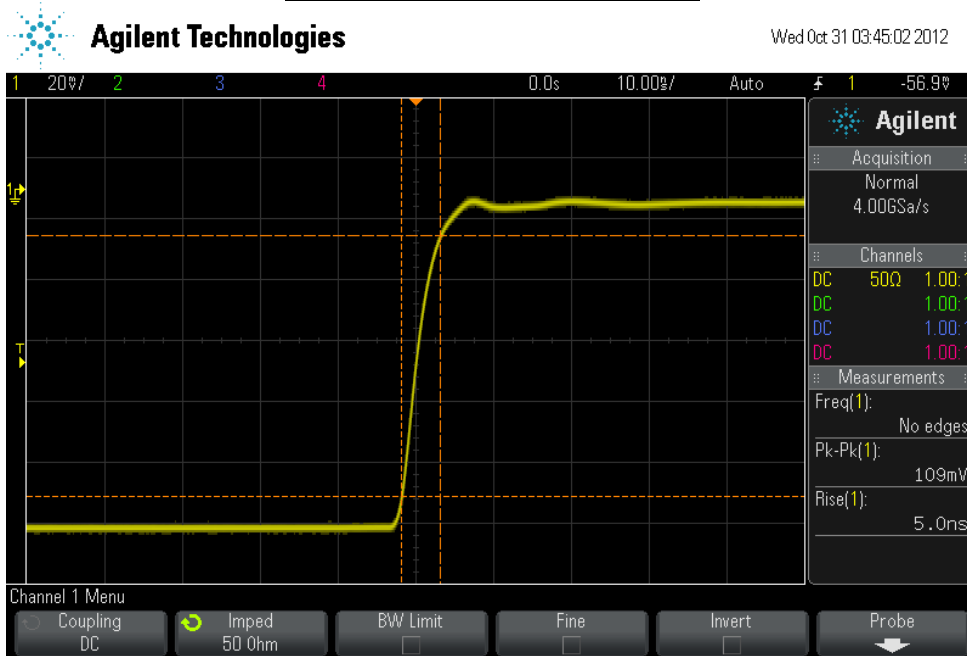
7311-F Grove Road, Frederick, MD 21704 USA Phone: (301)662-5019 Fax: (301)662-1731  
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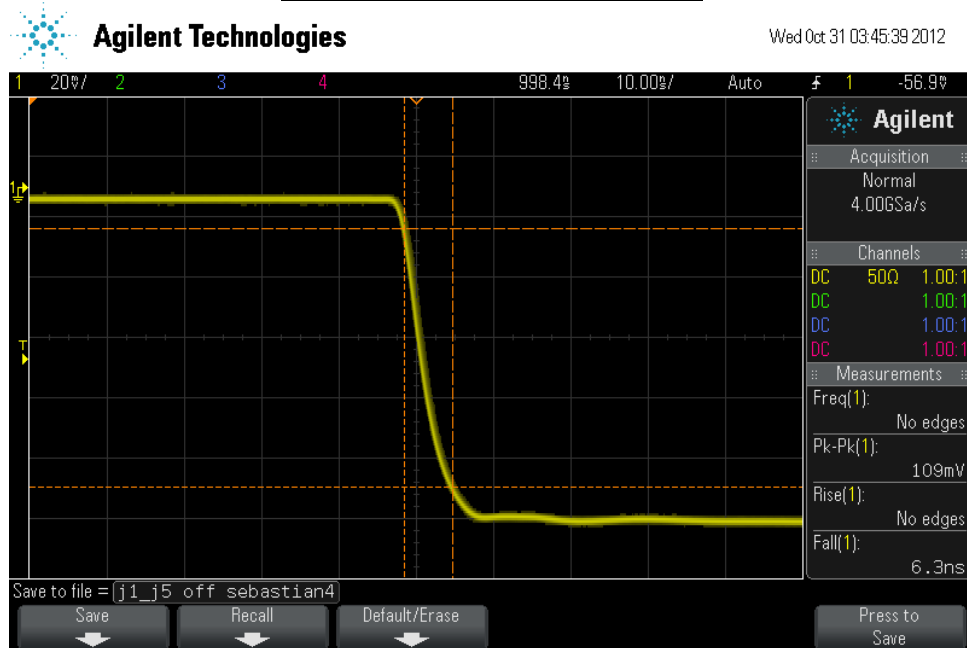
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## VIDEO OUTPUT TIME

### RISE TIME – 10ns PER DIV.



### FALL TIME – 10ns PER DIV.

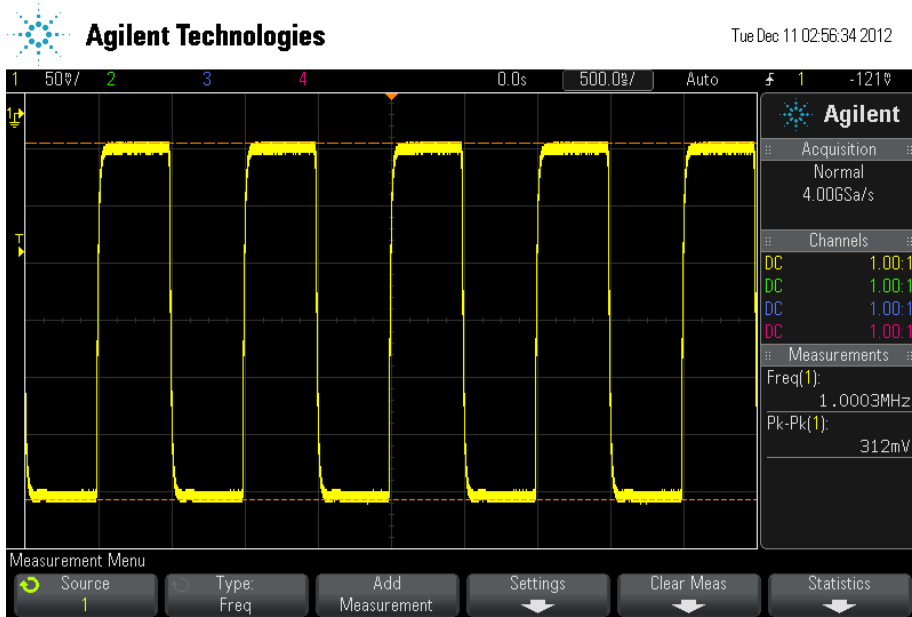




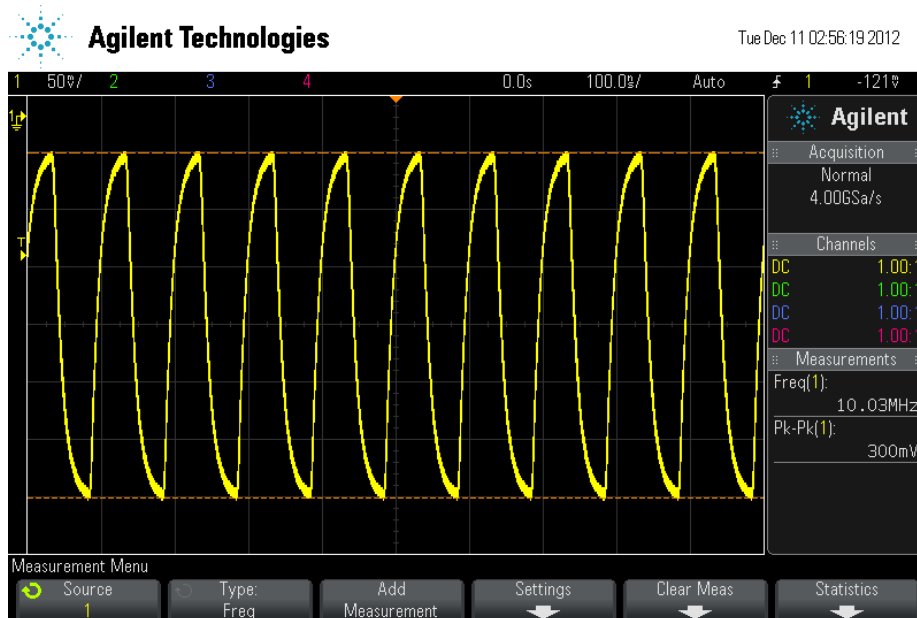
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## RF PULSED VIDEO PERFORMANCE

@ 8GHz – 10dBm IN – 1MHz Pulse Rate



@ 8GHz – 10dBm IN – 10MHz Pulse Rate

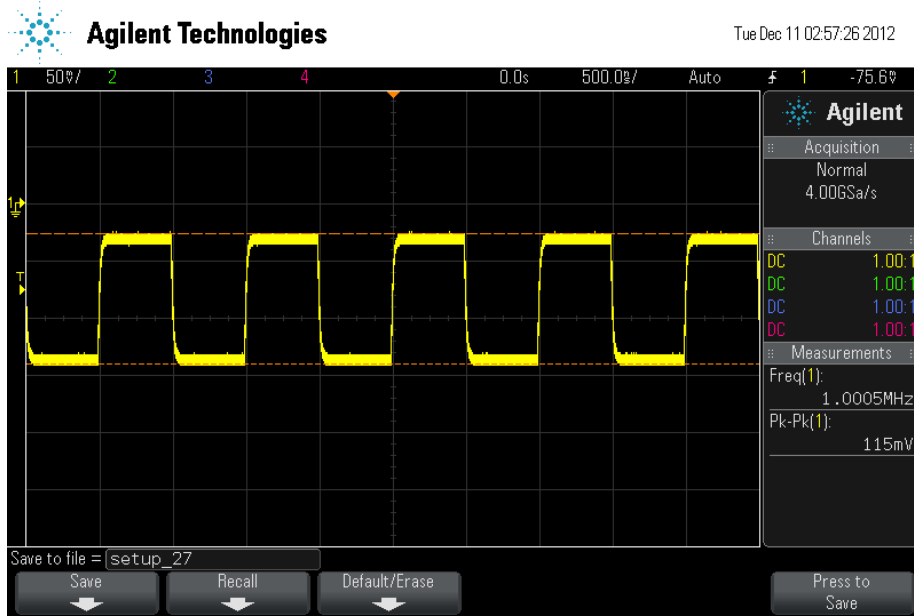




# TYPICAL CHARACTERISTICS ON FD-0518-10-812

## RF PULSED VIDEO PERFORMANCE

@ 12GHz – 10dBm IN – 1MHz Pulse Rate



@ 12GHz – 10dBm IN – 10MHz Pulse Rate

