



Typical Characteristics
on
PDVAN-5010-60-8

**PMI MODEL NUMBER PDVAN-5010-60-8 IS AN 8 BIT
PROGRAMMABLE 60 dB PIN DIODE ATTENUATOR WITH STEP
RESOLUTION AS LOW AS 0.25 dB OVER THE FREQUENCY
RANGE OF 5.0 GHz TO 10.0 GHz.**



February 5, 2015

Reported By: Kevin Mansfield



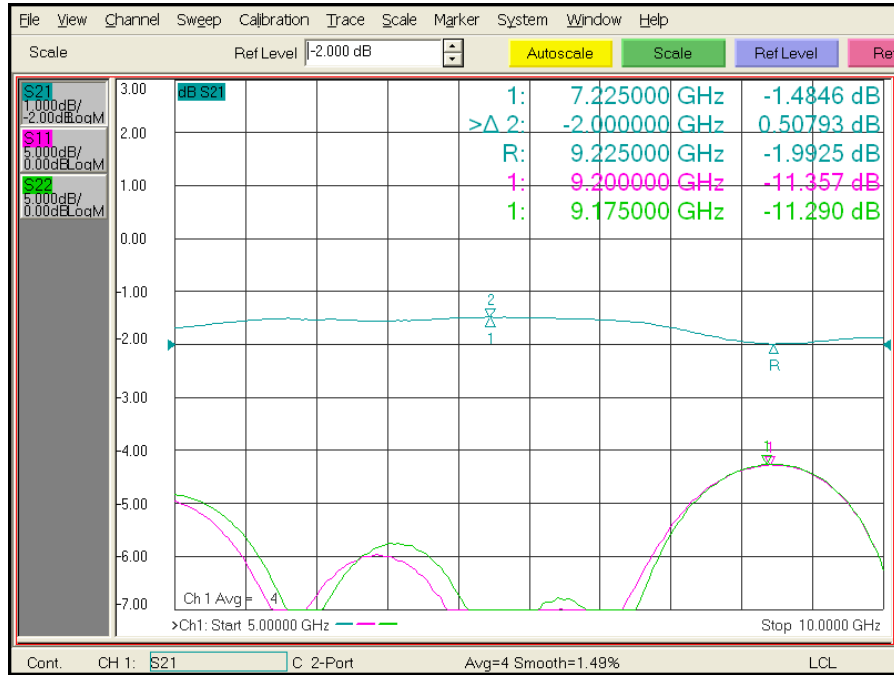
Typical Characteristics on PDVAN-5010-60-8

TEST. ITEM NO	PARAMETERS	SPECIFIED VALUE		TEST RESULTS	QA QC
1	Frequency:	5.0 GHz to 10.0 GHz		5.0 GHz to 10.0 GHz See Plot	
2	Mean Attenuation Range:	60 dB		66.8 dB See Plot	
3	Insertion Loss:	2.7 dB Max		2.0 dB See Plot	
4	VSWR:	2.0:1 Max		1.9:1 See Plot	
5	Power Rating:	+20 dBm (Operating) +30 dBm (Survival)		+20 dBm (Operating) +30 dBm (Survival)	
6	Attenuation Flatness	@ 10 dB	±0.60 dB	±0.17dB ±0.60dB ±1.12dB ±1.31dB See Plot	
		@ 20 dB	±0.90 dB		
		@ 40 dB	±1.5 dB		
		@ 60 dB	±1.6 dB		
7	Switching Time:	500 nsec Max		200 nsec See Plot	
8	Digital Control:	8 BIT Positive True, Binary TTL		Pass	
9	Monotonicity:	Guaranteed		Pass	
10	DC Supply	+12V to +15V @ 150mA Max -12V to -15V @ 75mA Max		+12V to +15V @ 41mA -12V to -15V @ 0mA	

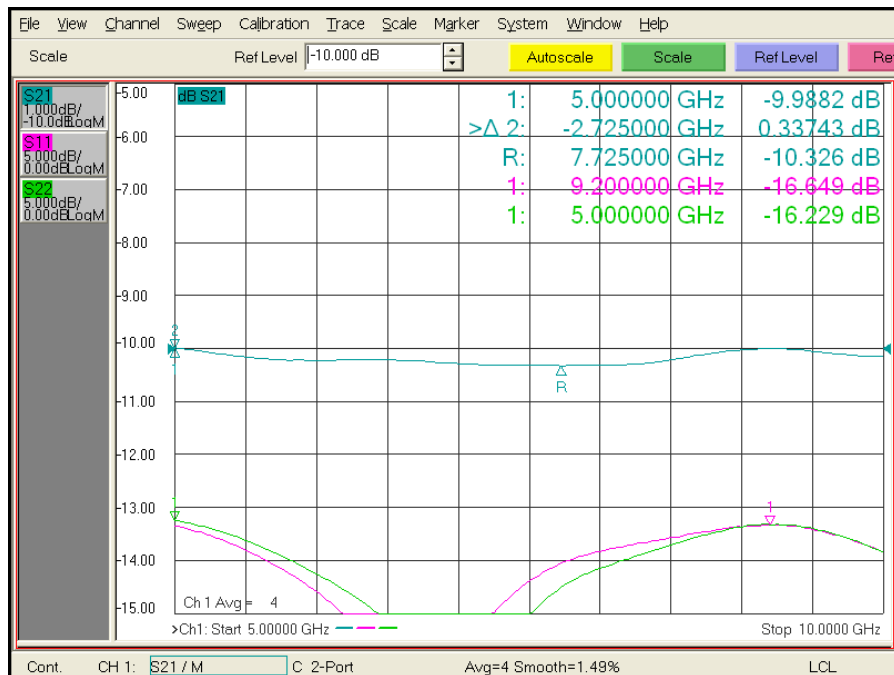


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Insertion Loss and VSWR



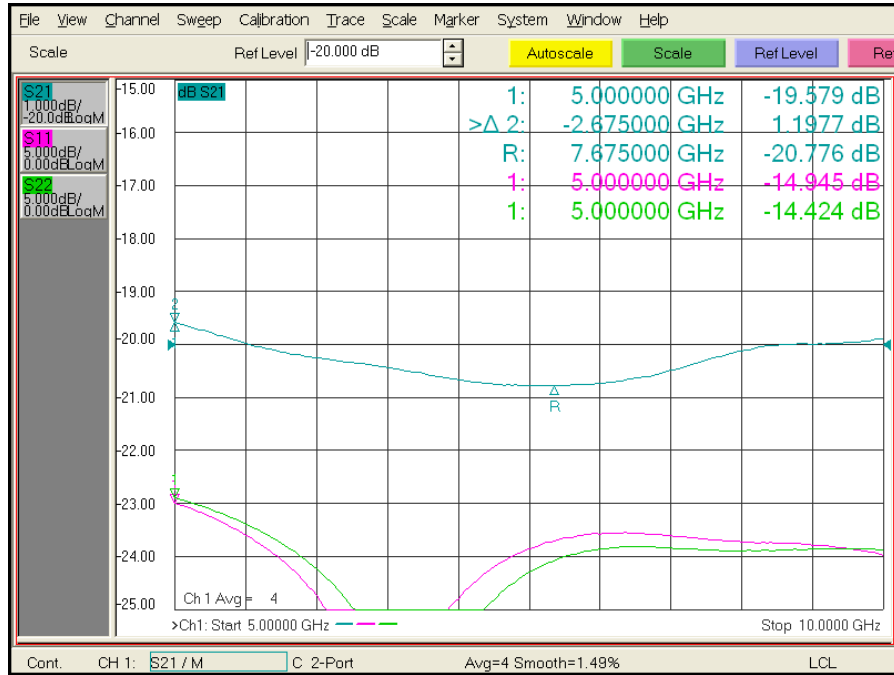
10dB Attenuation



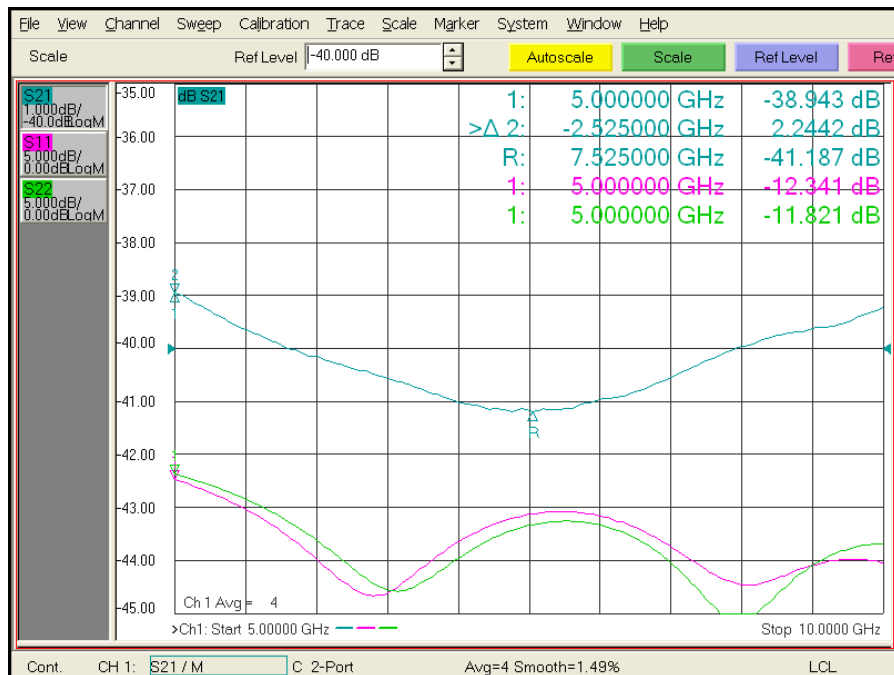


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20dB Attenuation



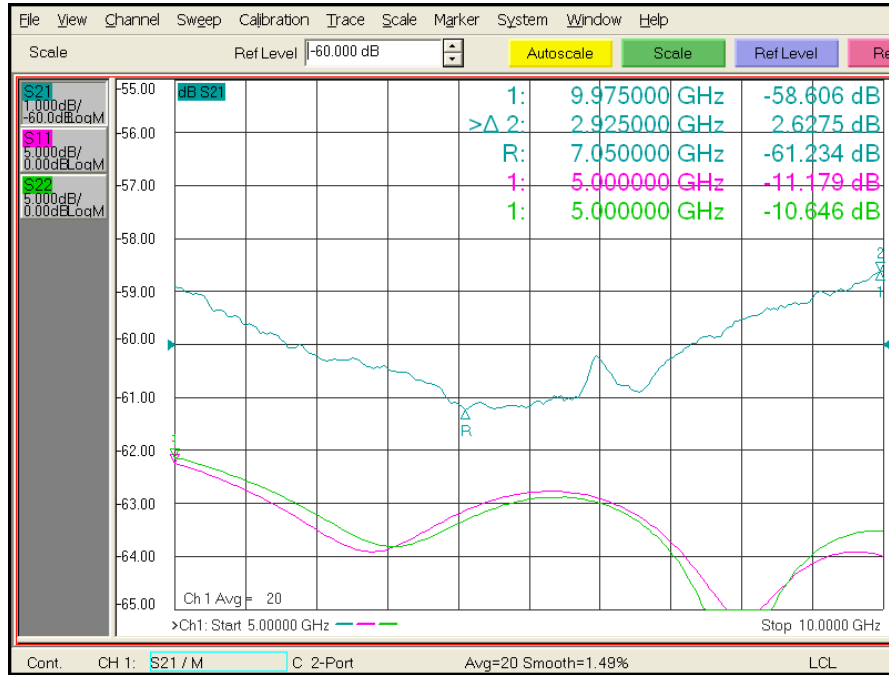
40dB Attenuation



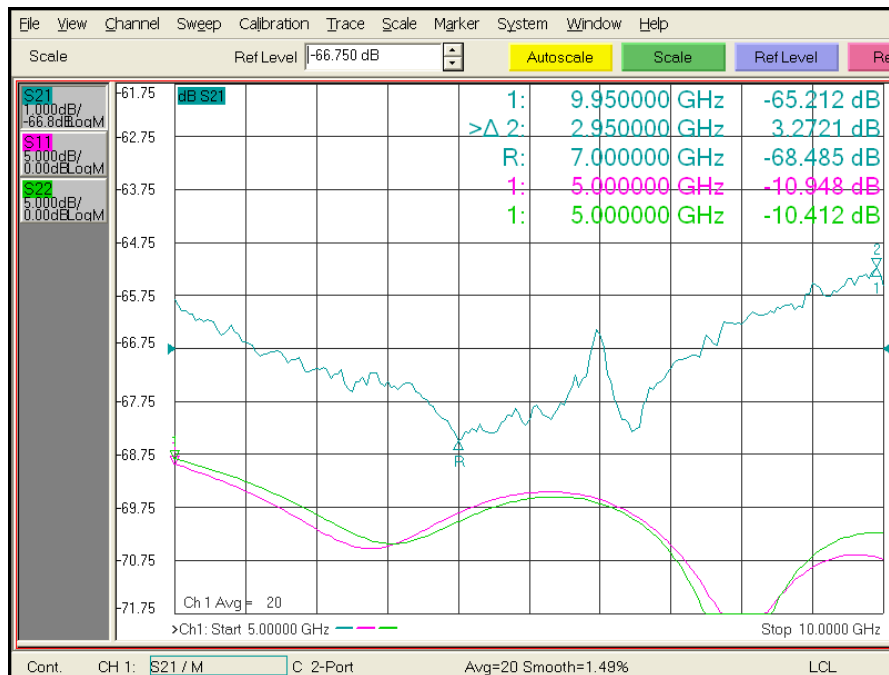


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60dB Attenuation



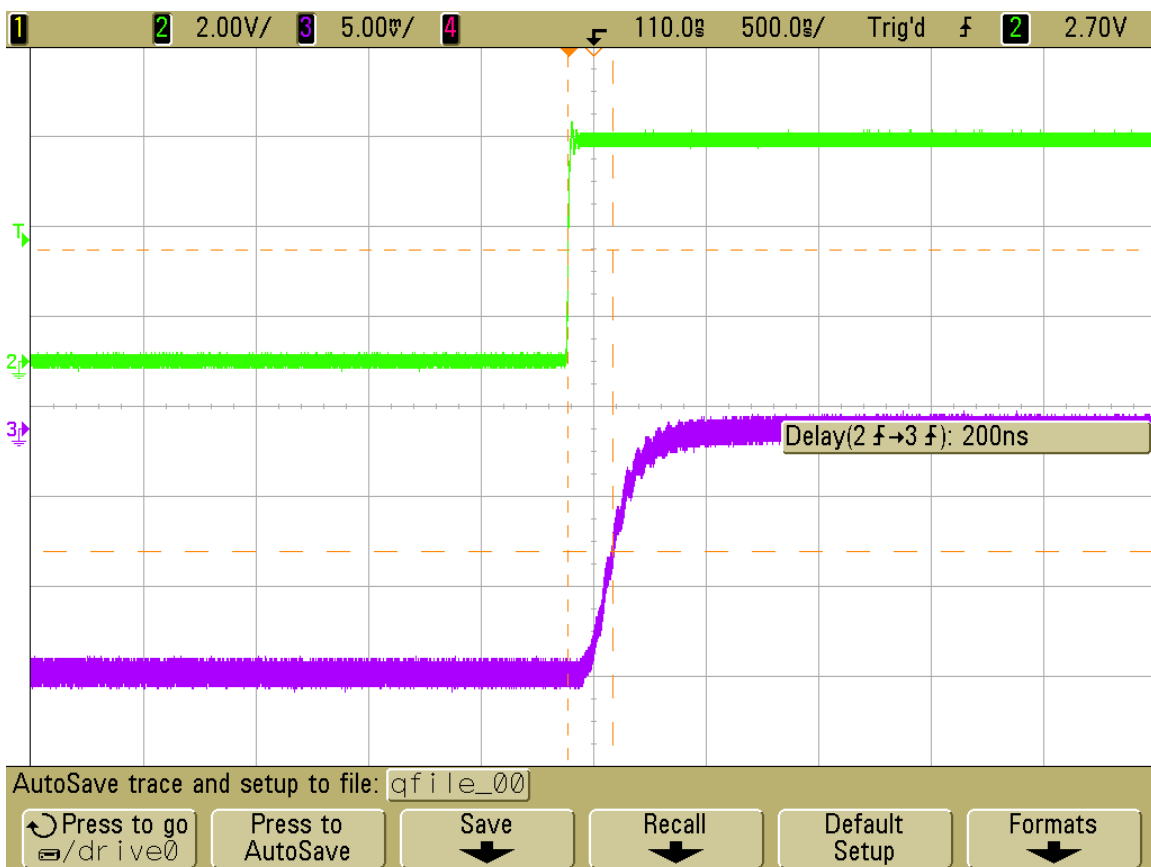
Mean Attenuation





Typical Characteristics on PDVAN-5010-60-8

Delay 0 to 60 dB



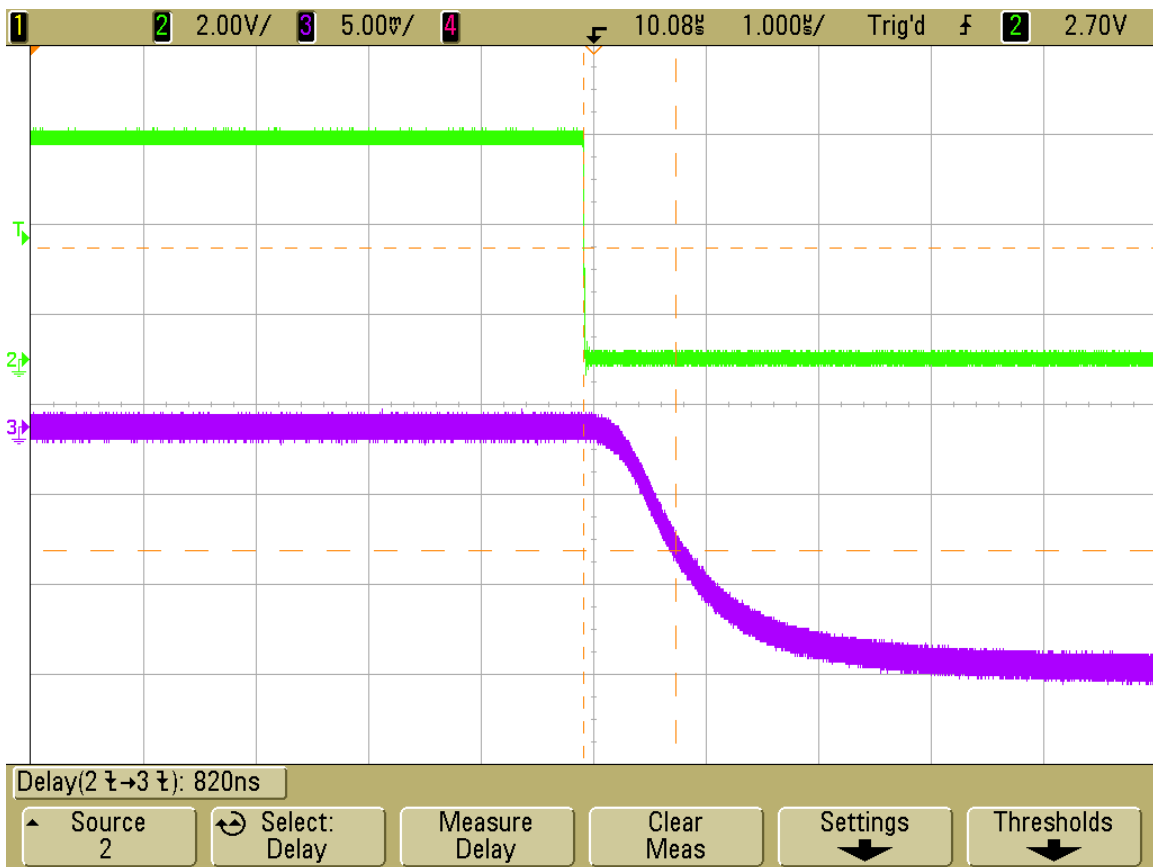
Channel 3 (Purple): RF output

Channel 2 (Green): TTL Input from Signal Generator



Typical Characteristics on PDVAN-5010-60-8

Delay 60 to 0 dB



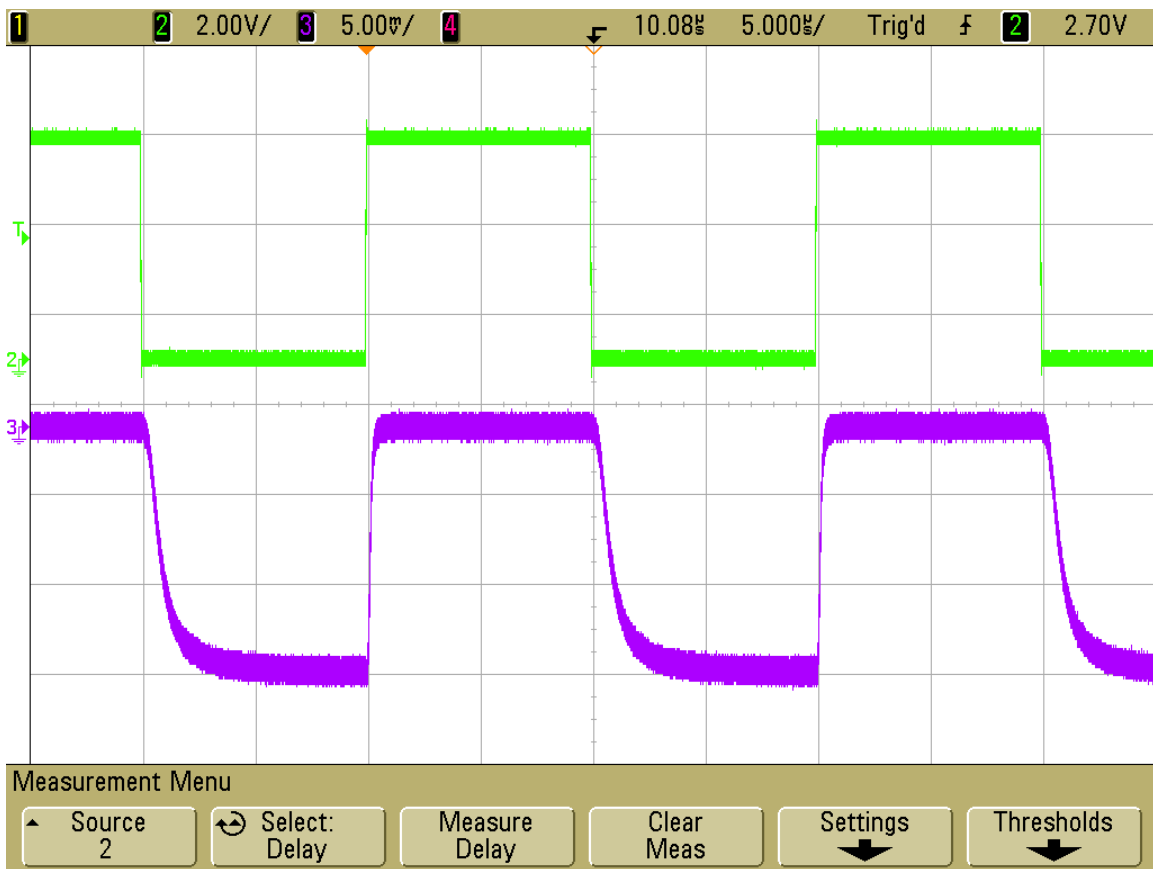
Channel 3 (Purple): RF output

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Typical Characteristics on PDVAN-5010-60-8

Full Pulse



Channel 3 (Purple): RF output

Channel 2 (Green): TTL Input from Signal Generator