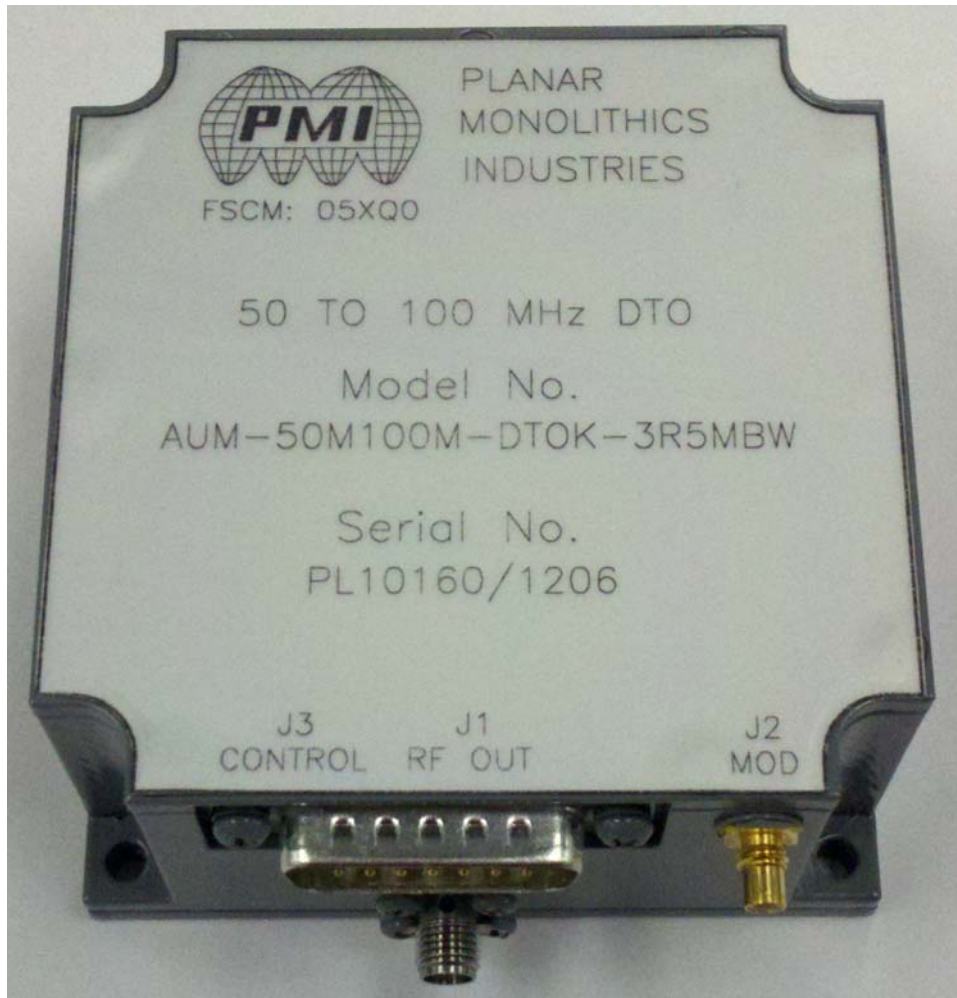




Typical Characteristics For **AUM-50M100M-DTOK-3R5MBW**



February 10, 2012



TEST ITEM NO.	PARAMETERS	SPECIFIED VALUE	PASS/FAIL	QA/QC
1	Frequency Range:	50 - 100 MHz	50 - 100 MHz	
2	Frequency Accuracy:	± 2.0 MHz Max @ 25°C	±0.01 MHz See Plot	
3	Modulation Bandwidth:	DC to 3.5 MHz Min	DC to 3.5 MHz Min.	
4	Modulation Frequency Deviation BW:	8 - 20 MHz Typ @ 2V P-P	8 MHz Min @ 2 V P-P	
6	RF Output Power:	+10 dBm Min	+10.32 dBm min	
7	Phase Noise:	-60 dBc / Hz Typ @ 100 kHz Offset	< -60 dBc / Hz @ 100 kHz Offset	
8	Harmonics:	-20 dBc Max	<-20 dBc	
9	Spurious:	-55 dBc Max	<-55 dBc	
10	Linearized Frequency Tuning Step Size:	LSB 0.1 MHz Nominal for Full Band	0.1 MHz LSB	
11	DC Power:	+15V (±0.5V) -15 V (±0.5V) + 5V (±0.5V) +28V (±2.0V)	+15V @ 125 mA -15 V @ 50 mA + 5V @ 20 mA +28V @ 20 mA	



PMI Microwave Instruments, Inc.
www.pmi-rf.com

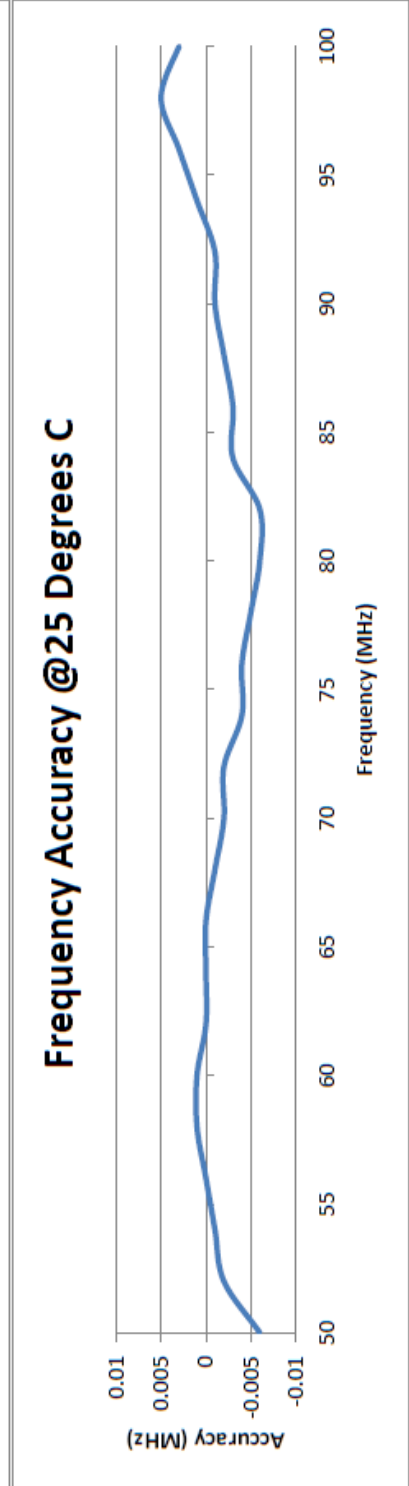
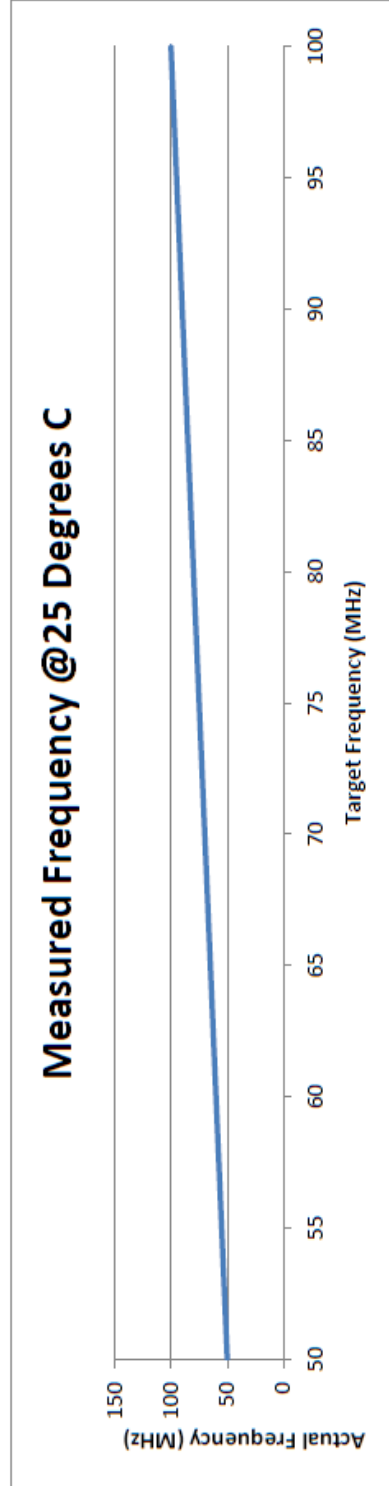
Model Number AUM-50M100M-DTOK-3R5MBW
Serial Number PL10160

Technician D. Durbin
Date 2/10/2012
Temperature 25, -40, 70 °C

Frequency Accuracy @ 25°C
Frequency Drift 0.01 MHz / °C
RF Output Power 10.32 dBm Min

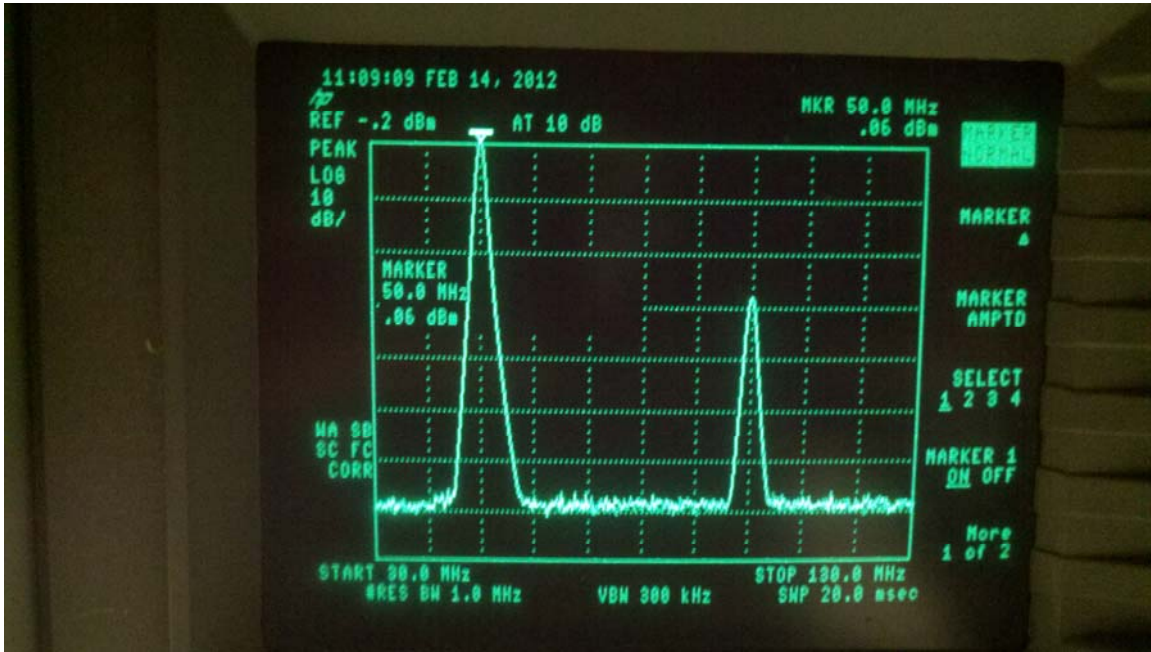
±

Modulation Bandwidth
0.33 dB
8 MHz Min



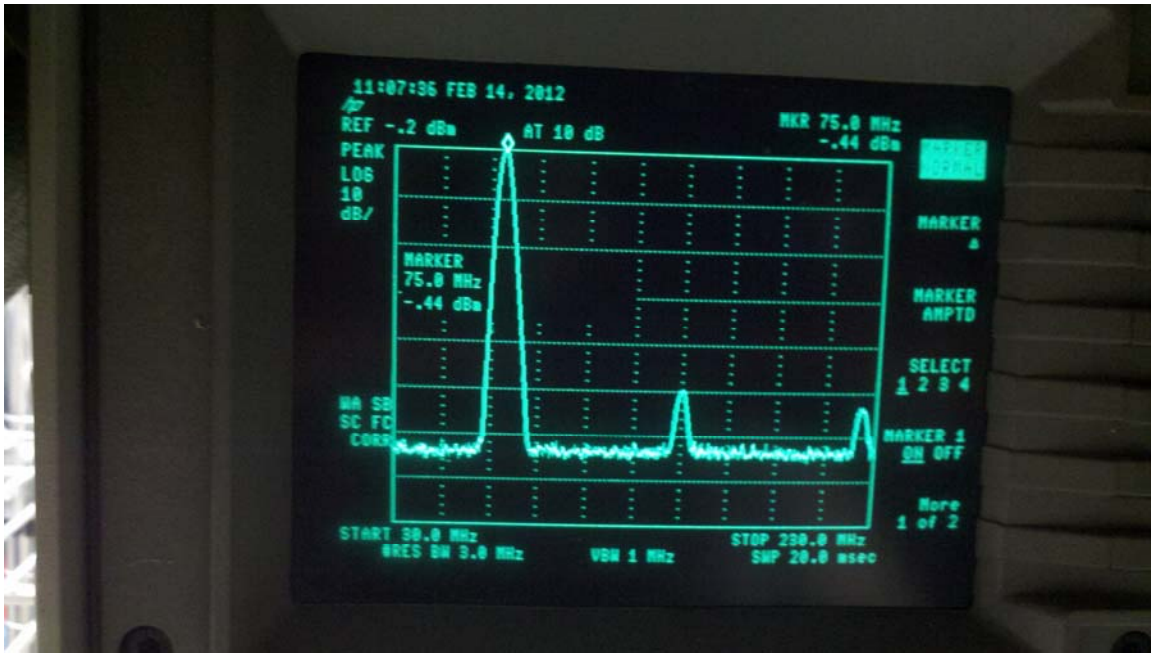


50 MHz Carrier Signal (Attenuator and Cable Loss included)



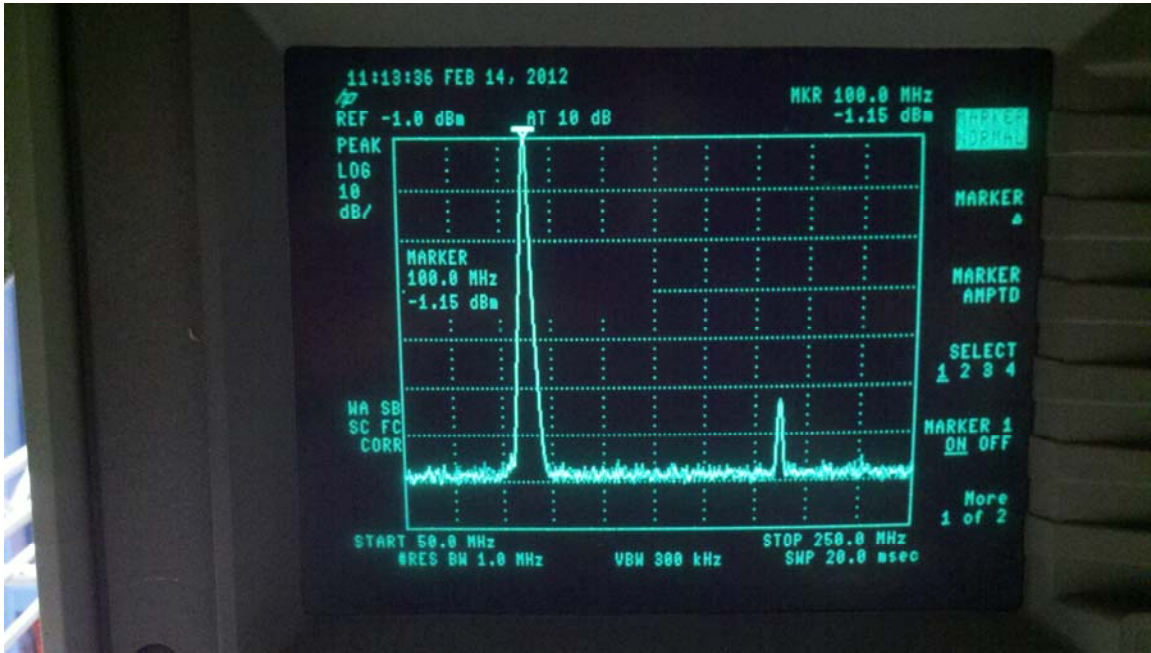


75 MHz Carrier Signal (Attenuator and Cable Loss included)



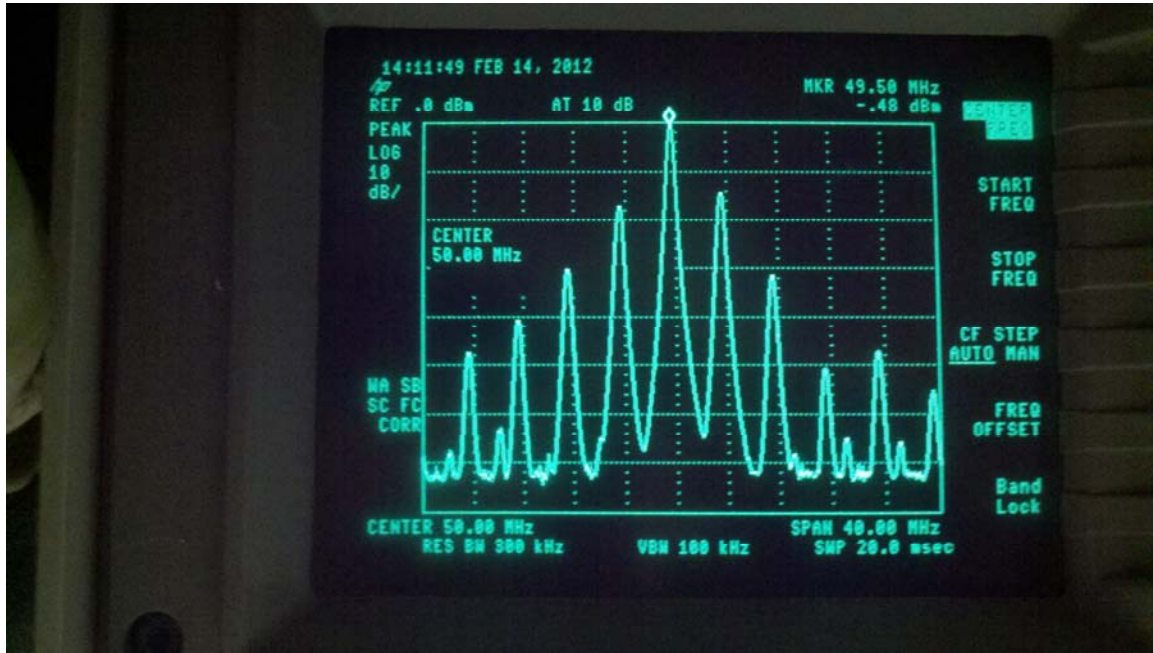


100 MHz Carrier Signal (Attenuator and Cable Loss included)



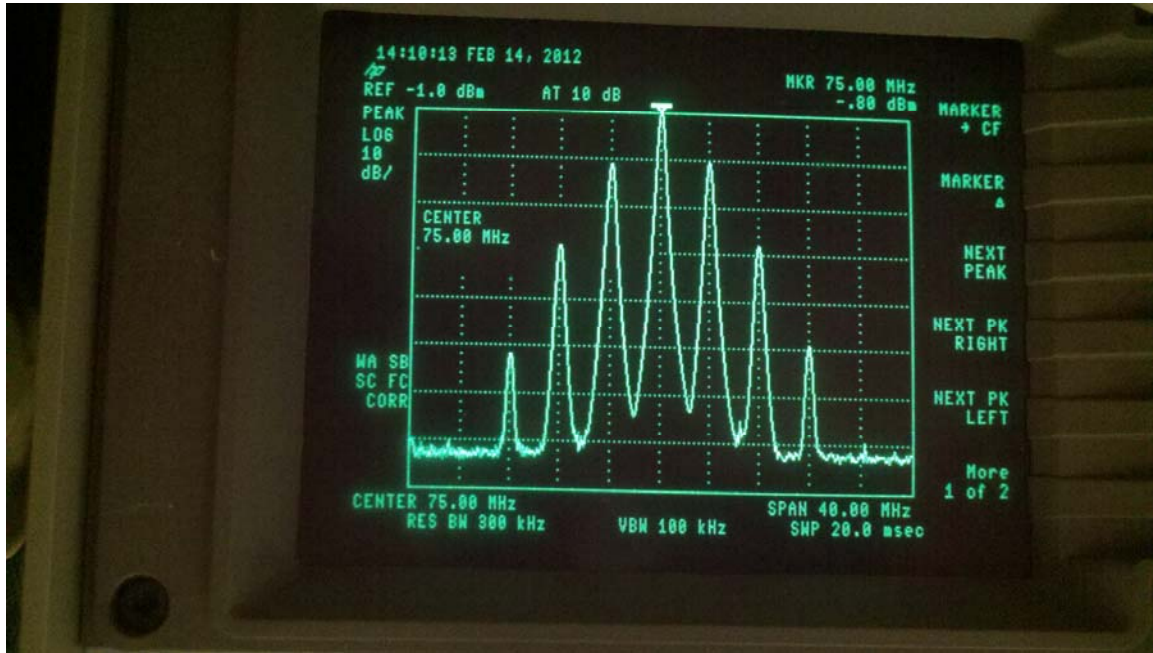


50 MHz Carrier Signal Modulated with a 3.5 MHz 2 Vpp Sine Wave (4 MHz per division)



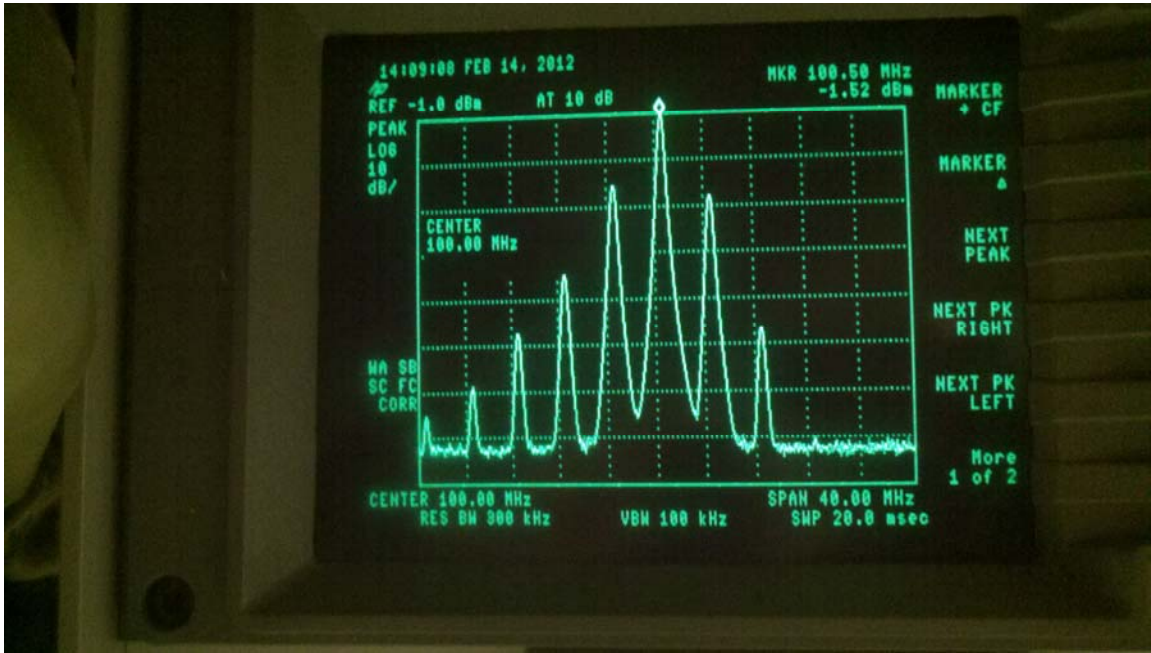


75 MHz Carrier Signal Modulated with a 9 MHz 2 Vpp Sine Wave (4 MHz per division)



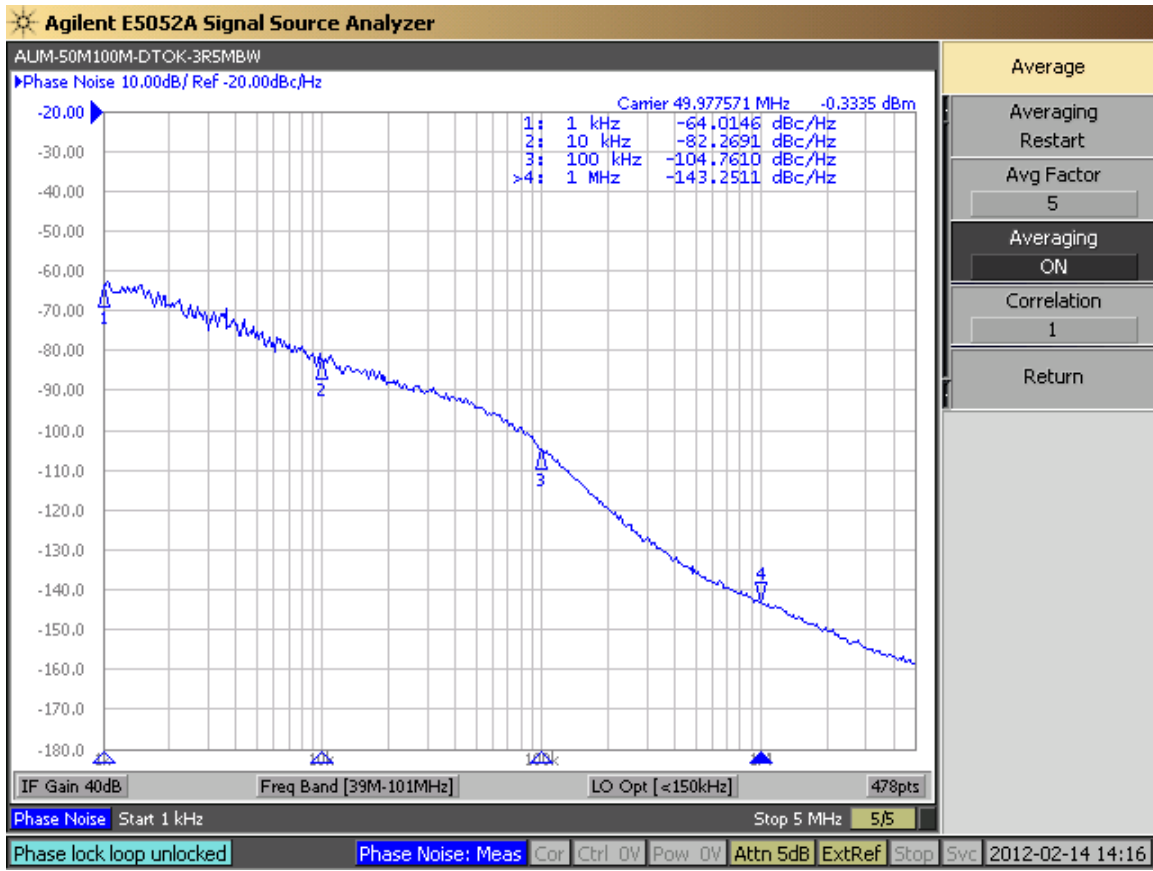


100 MHz Carrier Signal Modulated with a 9 MHz 2 Vpp Sine Wave (4 MHz per division)



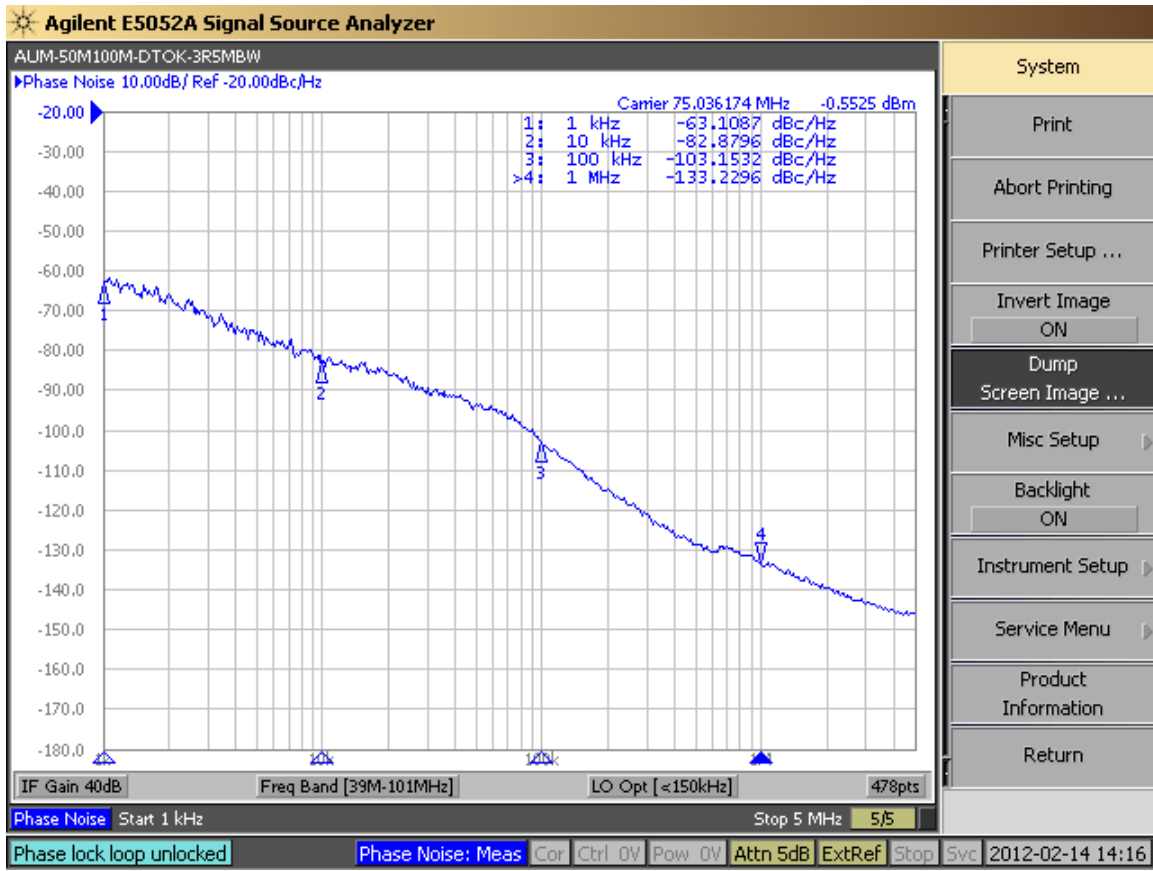


Phase Noise 50 MHz Carrier Signal





Phase Noise 75 MHz Carrier Signal





Phase Noise 100 MHz Carrier Signal

