



LCDRO SERIES

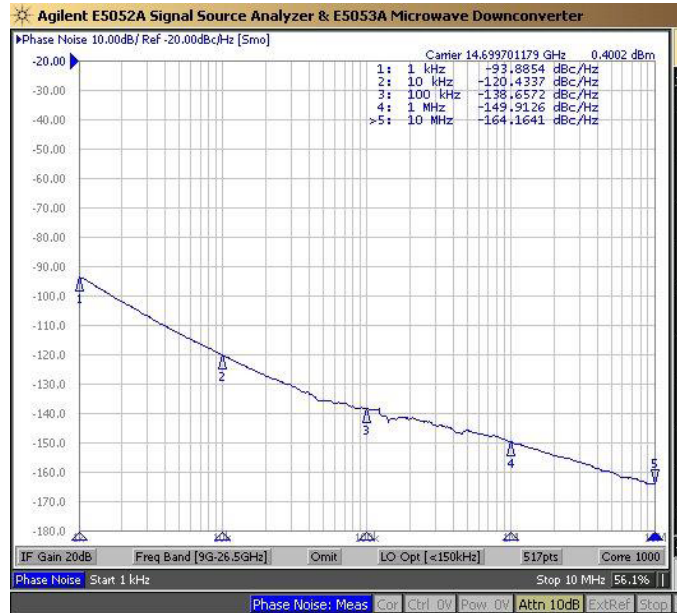
SPECIFICATION				
Operating frequency (specified frequency)	GHz	7 to 12	12 to 16	16 to 18
Output power (50 ohm load)	dBm minimum		+13	
Output power variation over temperature range	dB maximum		±2	
Harmonics	dBc minimum		-20	
Spurious	dBc minimum		-80	
Mechanical tuning	MHz, minimum		±10	
Frequency pushing	kHz/V maximum		15	
Frequency pulling (1.5:1 VSWR)	MHz, peak-to-peak maximum	5	5	5
Frequency drift temperature coefficient (Averaged over the full temperature range)	ppm/°C, maximum		5	
Phase noise at 10 kHz offset	dBc/Hz, maximum		-105	
DC power requirements	Volts		+5 to +15	
Current	mA maximum		120	
Outline drawing			219853	
Temperature range	°C		-20 to +70	
Vibration at 6 g's and 20 g's			See plots	
Storage temperature	°C		-55 to +115	
Options: extended temperature - ET	°C		-40 to +85	
Options: lower phase noise at 10 kHz - SP	dBc/Hz, maximum		-115	N/A
Options: Paint - P				



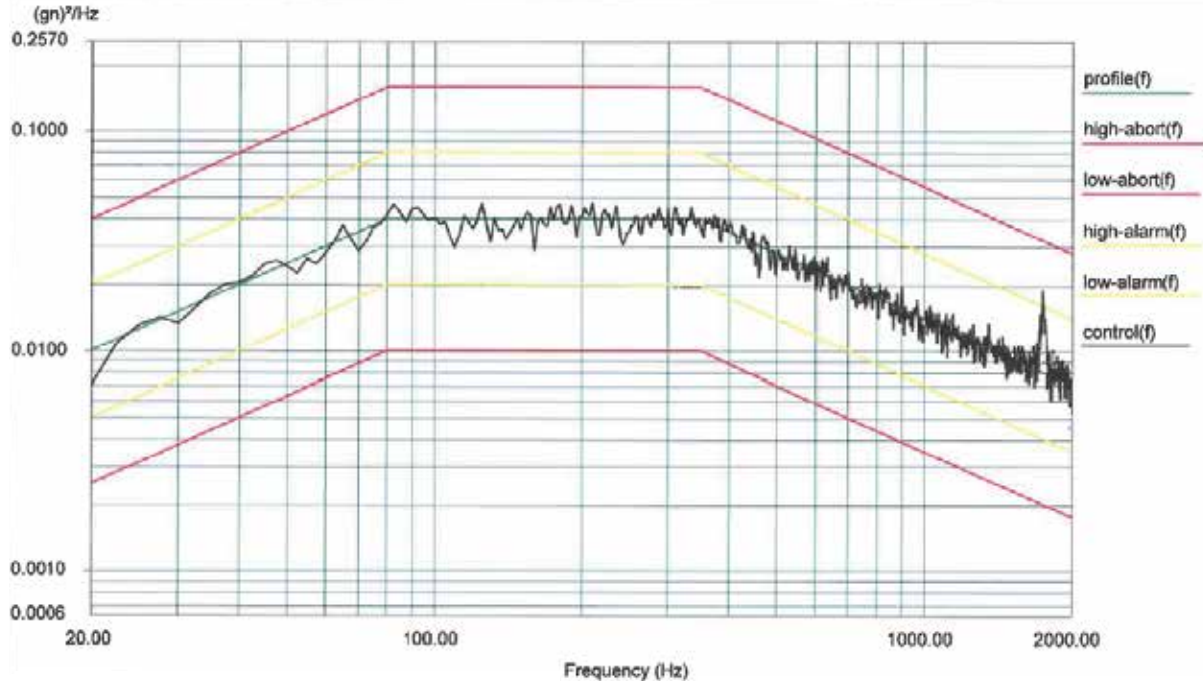
The L3Harris LCDRO is a free running DRO that is used in many microwave radar and radio frequency applications for both commercial and military.

The LCDRO is remarkably stable, in many cases it replaces any fixed frequency test synthesizer or generator. The Narda-MITEQ LCDRO series is extremely high performance and very power efficient delivering +13 dBm and with less than 120 mA of DC current consumption. LCDRO's durable construction allows operation in very harsh environmental conditions.

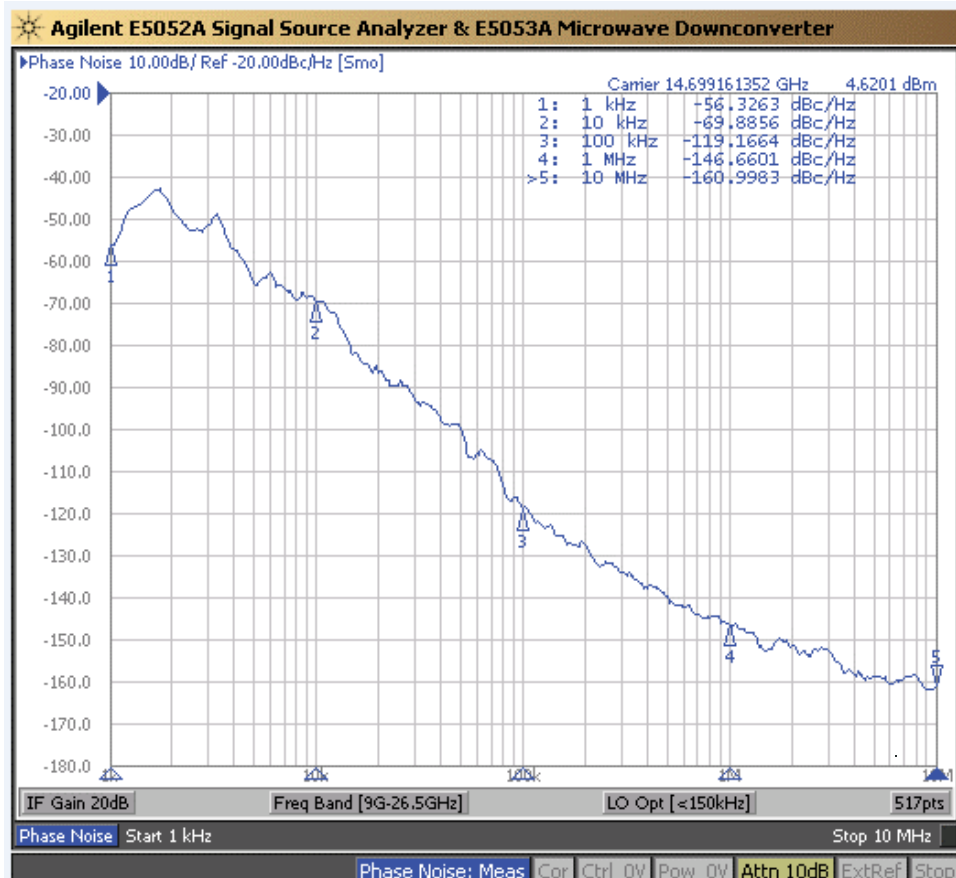
PHASE NOISE SPECIFICATIONS STATIC Ø NOISE (-SP)



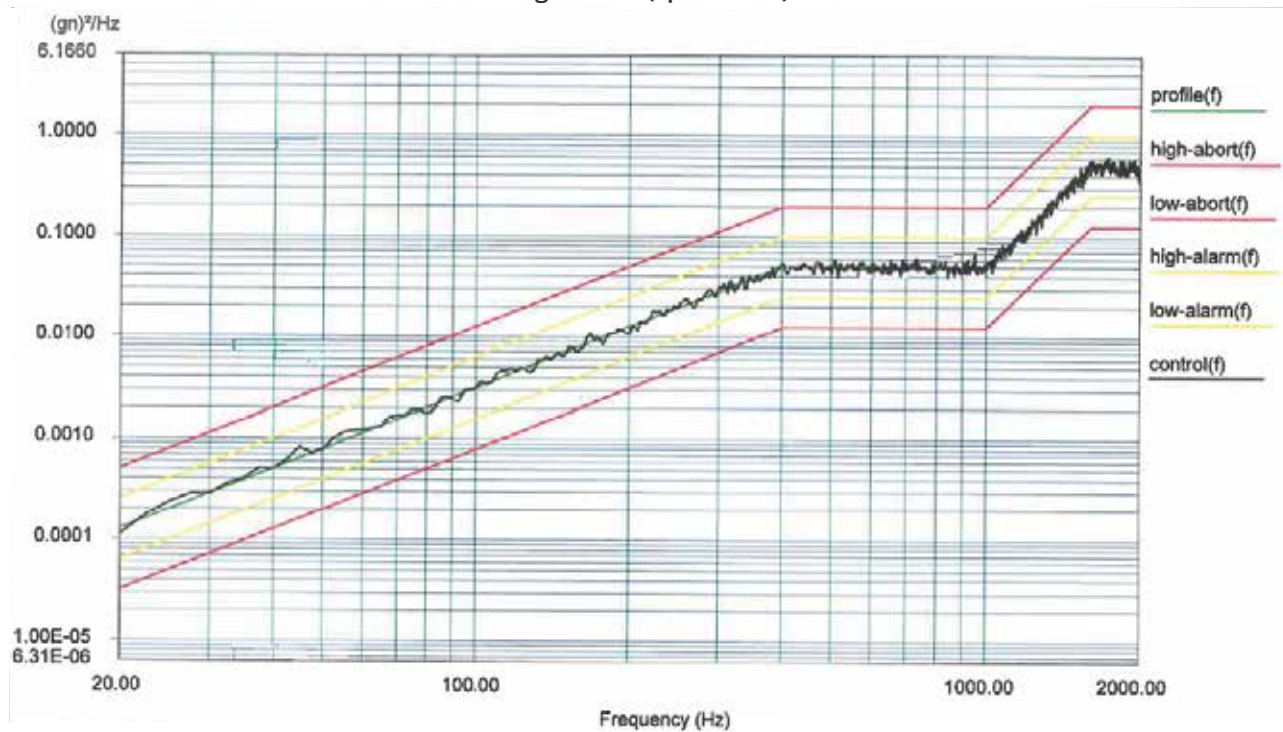
OPERATIONAL PHASE NOISE UNDER VIBRATION
VIBRATION CHARACTERISTICS
6g 20 - 2000 random (operational)



6g OPERATIONAL PERFORMANCE



OPERATIONAL PHASE NOISE UNDER VIBRATION
VIBRATION CHARACTERISTICS
 20g random (operational)



20g OPERATIONAL PERFORMANCE

