

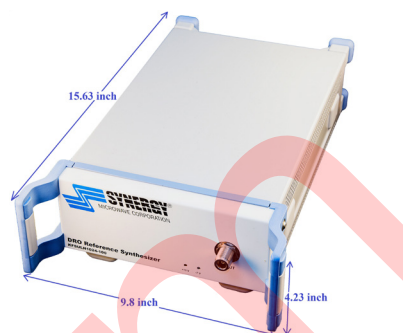
PHASE LOCKED DRO DEMONSTRATOR

MODEL: KFSULN1024-100

10.24 GHz

FEATURES:

- ▶ Exceptional Phase Noise
- ▶ Lead Free - RoHS Compliant



SPECIFICATIONS

Frequency	10.24 GHz
AC Power (Normal Operation)	Voltage: 120 VAC @ 250 mA Voltage: 240 VAC @ 235 mA
Output Power	+10 dBm (Typ.)
Spurious & Ref. Sideband	75 dBc (Typ.)
Harmonic Suppression	30 dBc (Typ.)
Temperature	+25 °C (Room Temperature)
Warm-up Time	15 Minutes
Internal VCO	SMC Model: DRO1024
Output Impedance	50 Ohms (Nominal)
Output Connector	Type N Female

Typical Phase Noise

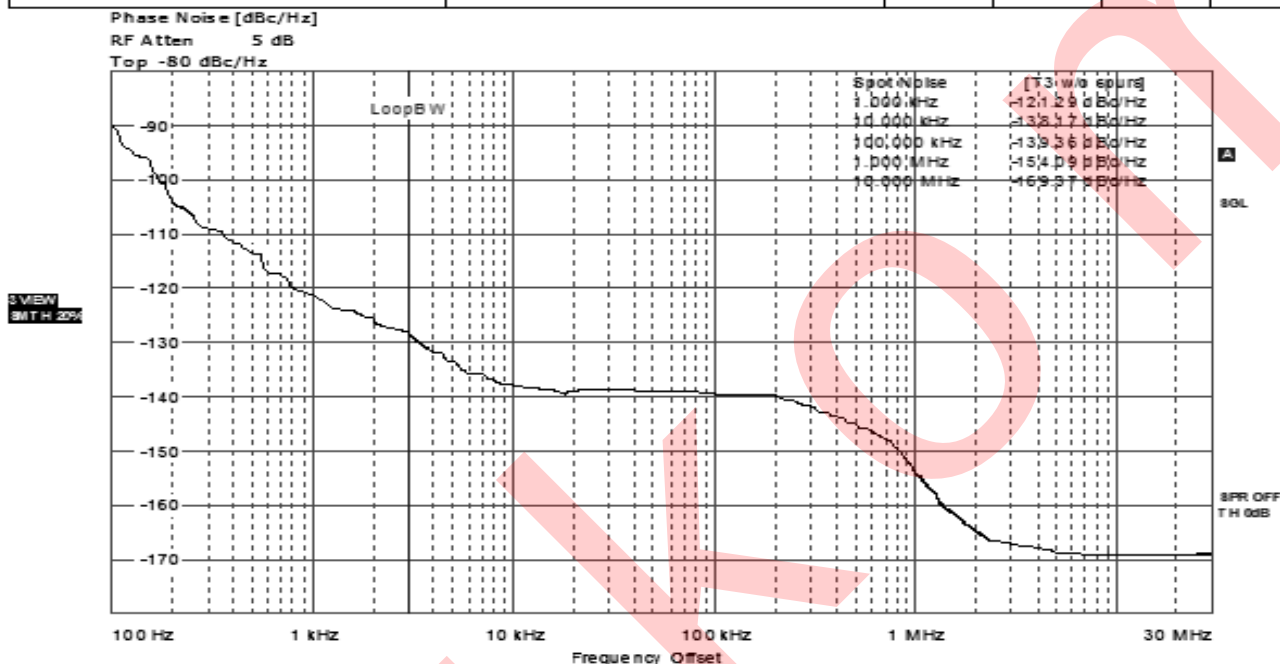
Offset	Phase Noise
@ 100 Hz	-95 dBc/Hz
@ 1 kHz	-121 dBc/Hz
@ 10 kHz	-136 dBc/Hz
@ 100 kHz	-136 dBc/Hz
@ 1 MHz	-154 dBc/Hz
@ 10 MHz	-168 dBc/Hz

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Phase Noise			
R&S FSUP 26 Signal Source Analyzer			
Settings		Residual Noise [T3 w/o spurs]	
Signal Frequency:	10.239955 GHz	Int PHN (100.0 .. 30.0 M)	-74.2 dBc
Signal Level:	7.9 dBm	Residual PM	15.735 m°
Cross Corr Mode	Harmonic 1	Residual FM	468.955 Hz
Internal Ref Tuned	Internal Phase Det	RMS Jitter	0.0043 ps



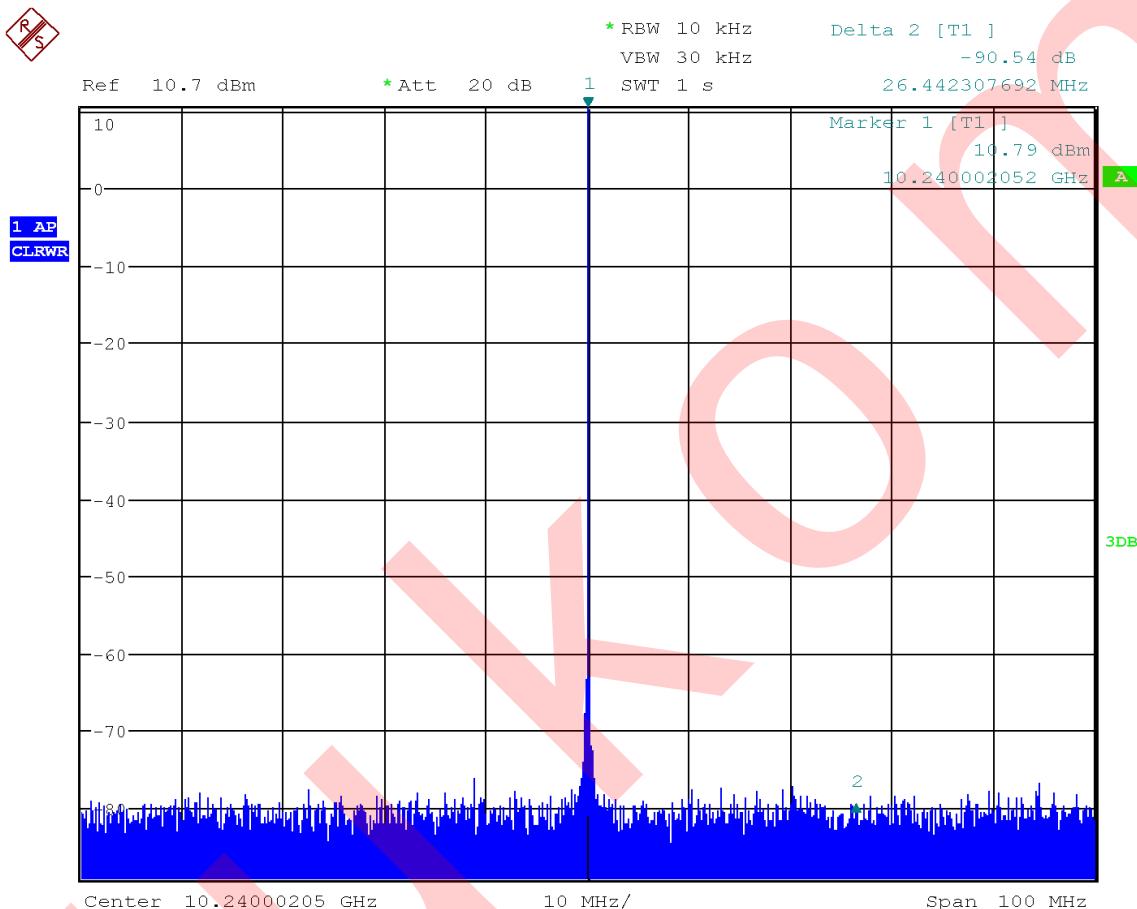
PERFORMANCE PLOTS

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Spurious and Ref. Sideband Suppression



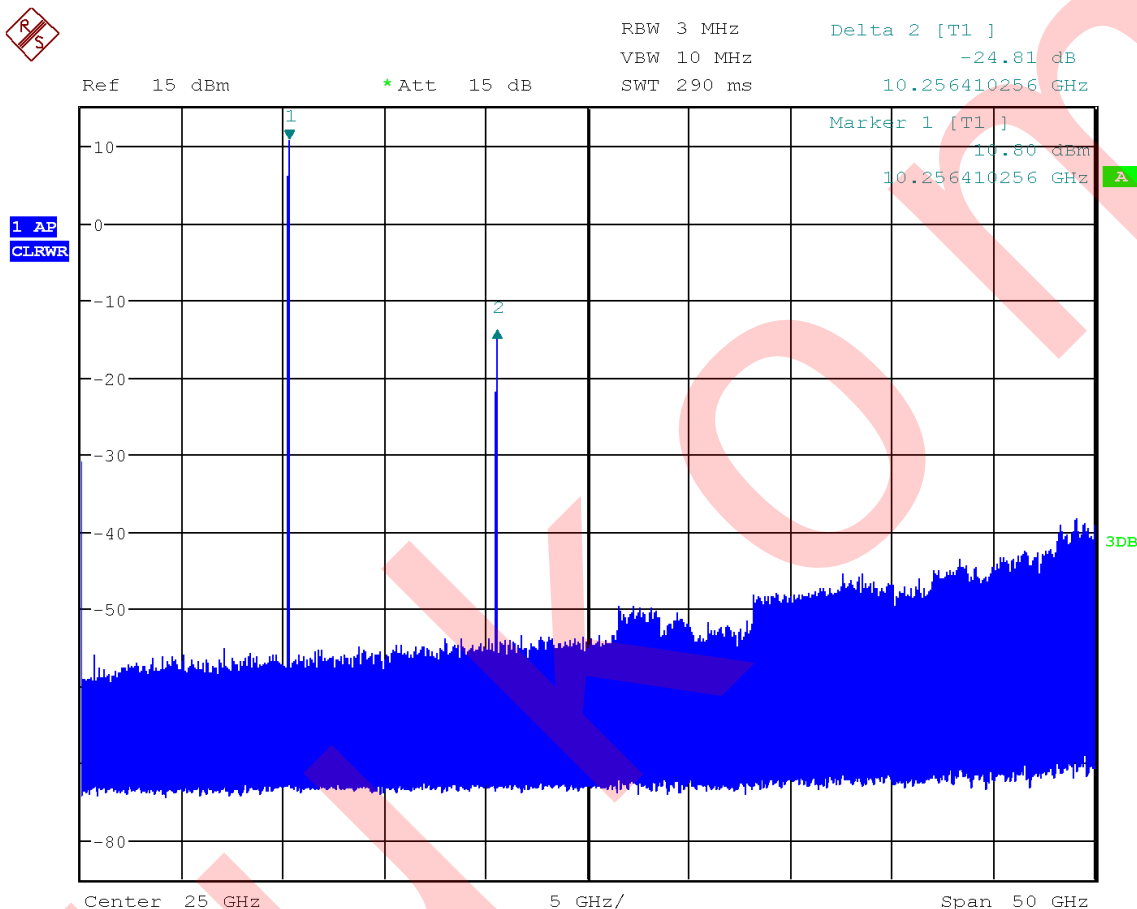
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Harmonic Suppression



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