

INTELLIGENT INTERACTIVE SYNTHESIZER

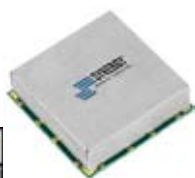
SURFACE MOUNT MODEL: FSW60170-50

WIDE BANDWIDTH

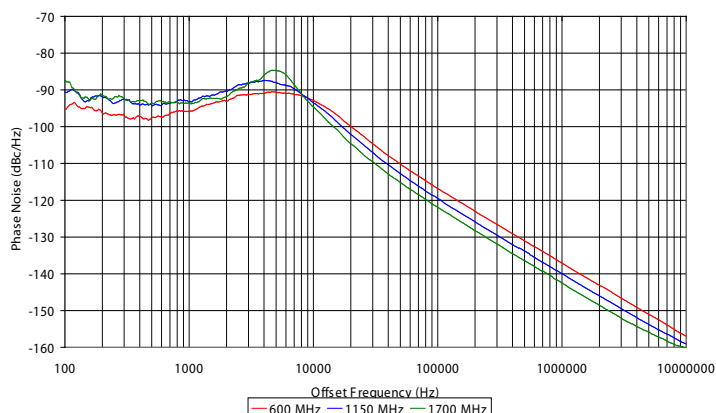
600 - 1700 MHz

FEATURES:

- ▶ Exceptionally Low Phase Noise
- ▶ Interactive Communication
- ▶ Standard Programming Interface
- ▶ Ultra Wide Tuning Range
- ▶ Lead Free - RoHS Compliant
- ▶ Patent Pending REL-PRO® Technology
- ▶ Small Size, Surface Mount



Phase Noise

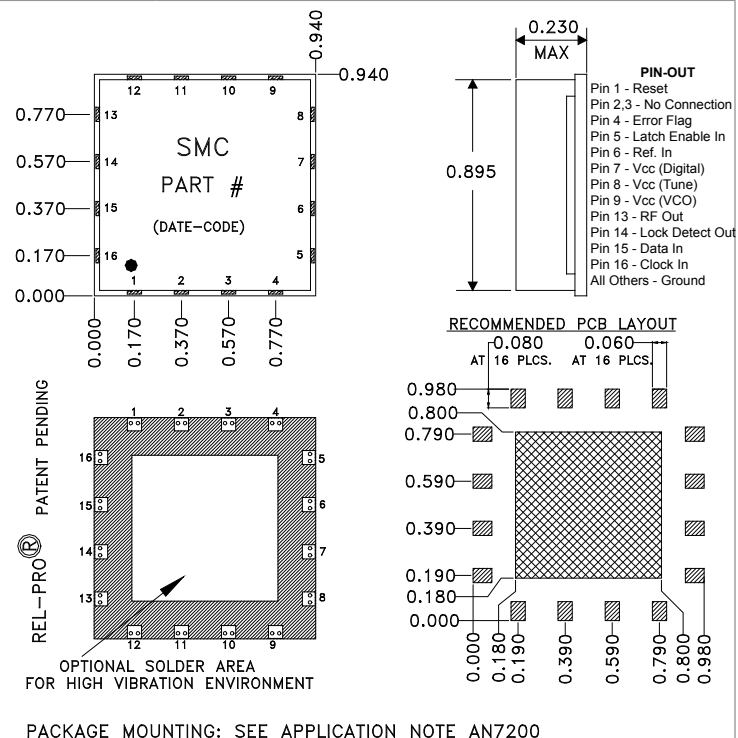


SPECIFICATIONS (Rev. M 12/09/08)

Frequency	600 - 1700 MHz		
Step Size	500 kHz		
Reference Input Frequency	10 MHz		
Reference Input Voltage	1.0 V p-p to 3.3 V p-p		
Bias Voltage	Vcc	V (Vdc)	I (mA Max.)
	Digital	+5	10
	VCO	+5	35
	Tune	+25	5
Output Power	0 dBm (Min.)		
Spurious	-85 dBc (Typ.)		
Harmonics	-12 dBc (Typ.)		
Settling Time	10 mSec (Max.)*		
Output Impedance	50 Ohms (Nom.)		
Typical Phase Noise	Offset		Phase Noise
	@ 1 kHz		-90 dbc/Hz
	@ 10 kHz		-90 dbc/Hz
	@ 100 kHz		-117 dbc/Hz
Operating Temperature Range	-40 to +85 °C		
Programming	See Application Note: AN7100		

* From the rising edge of LE to stable lock detect

Package # 273LF



SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.

This product is manufactured under one or more of the following patents: Approved: 5,160,810; 5,122,621; 5,390,349; 5,416,449; 5,650,754; 5,805,431; 6,525,623; 6,850,575; 7,088,189; 7,180,381; 7,196,591; 7,262,670; 7,265,642; 7,292,113
 Pending: 60/493075; 60/501371 & 60/501790; 60/527957 & 60/528670; 60/563481; 60/564173; 60/589090; 60/601823; 60/605791; EV31369834;
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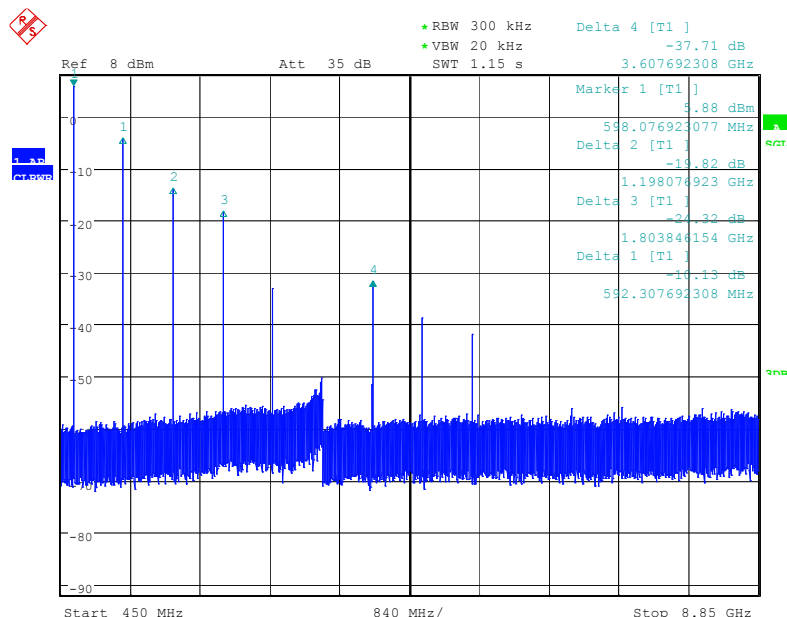
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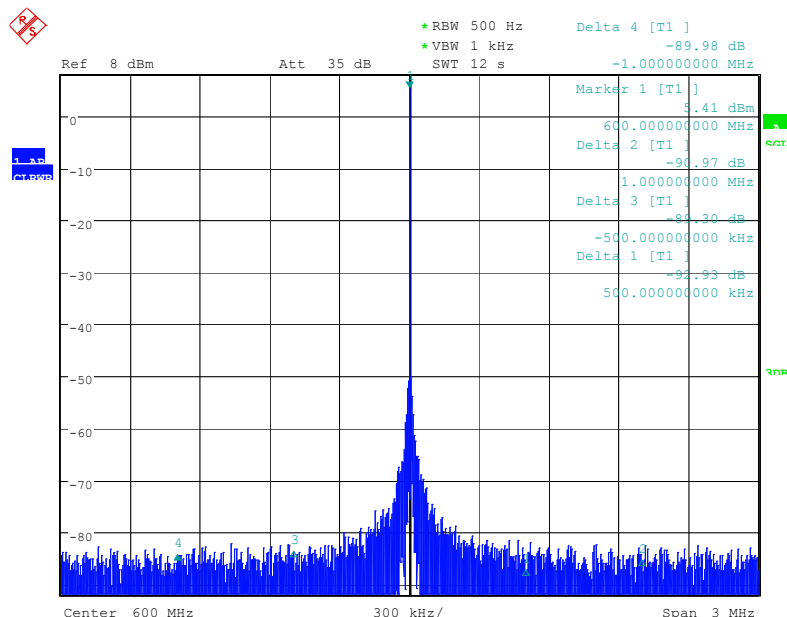
WIDE BANDWIDTH

600 - 1700 MHz

HARMONIC SUPPRESSION



REFERENCE SIDEBAND SUPPRESSION



PERFORMANCE PLOTS

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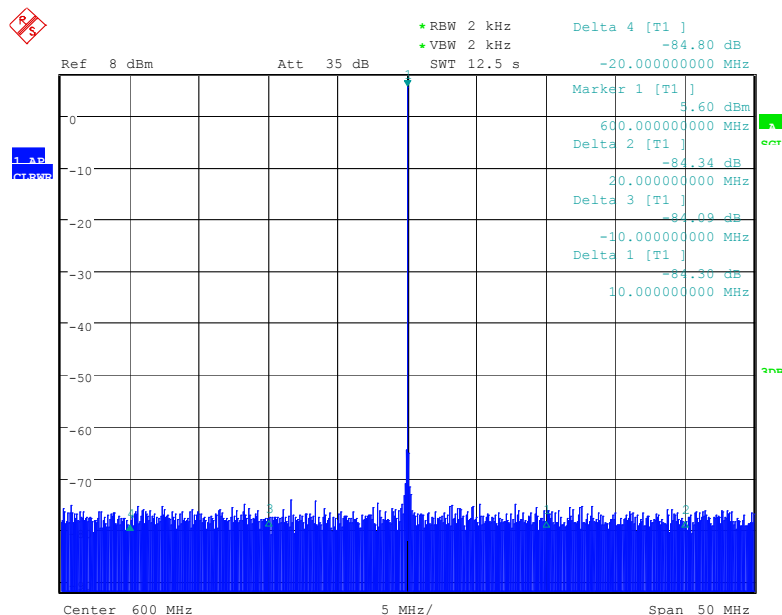
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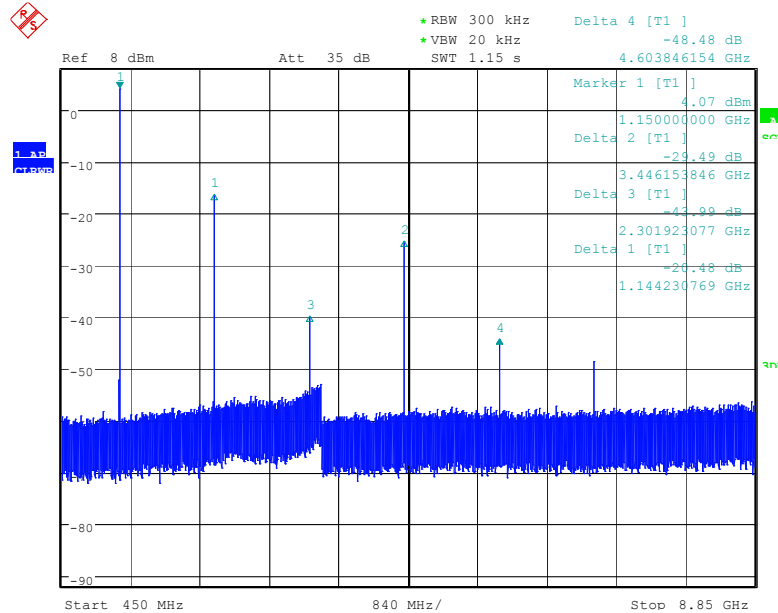
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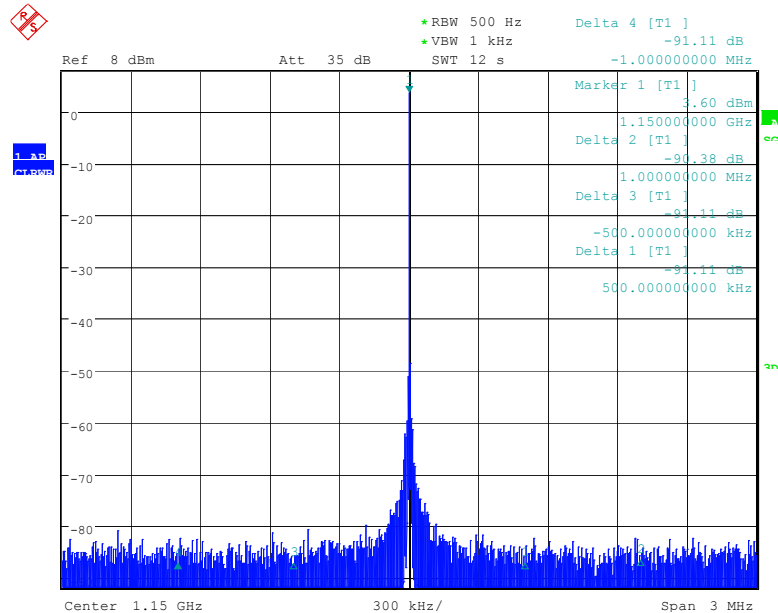
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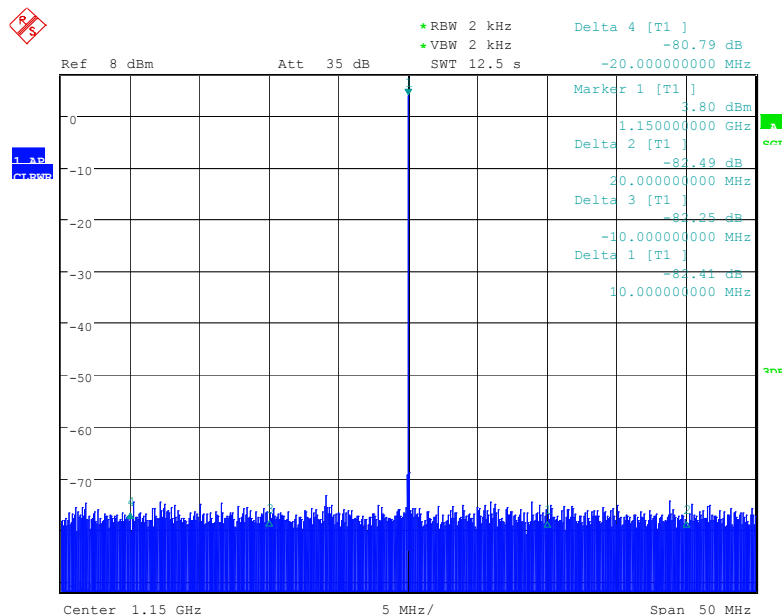
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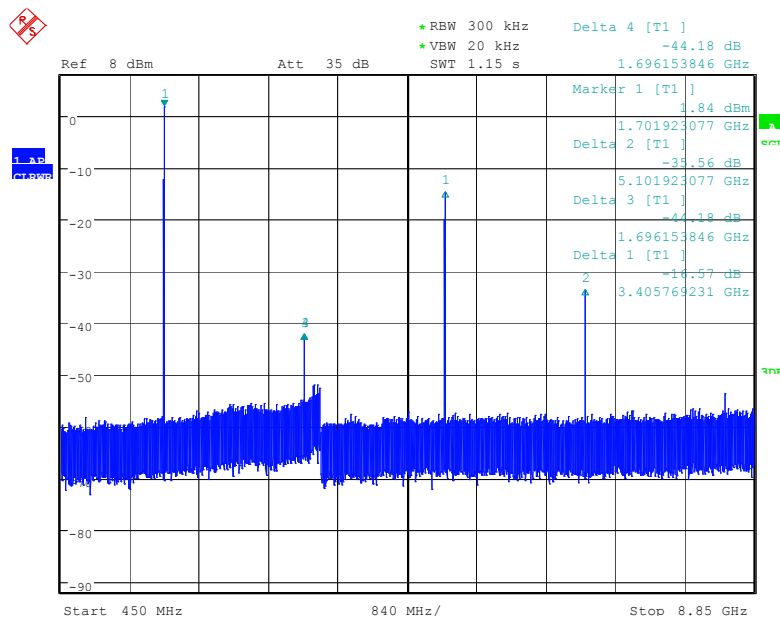
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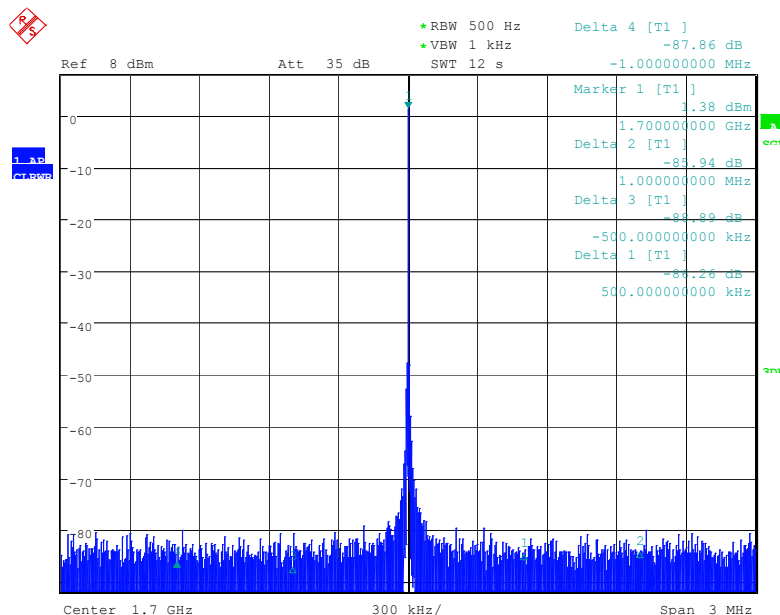
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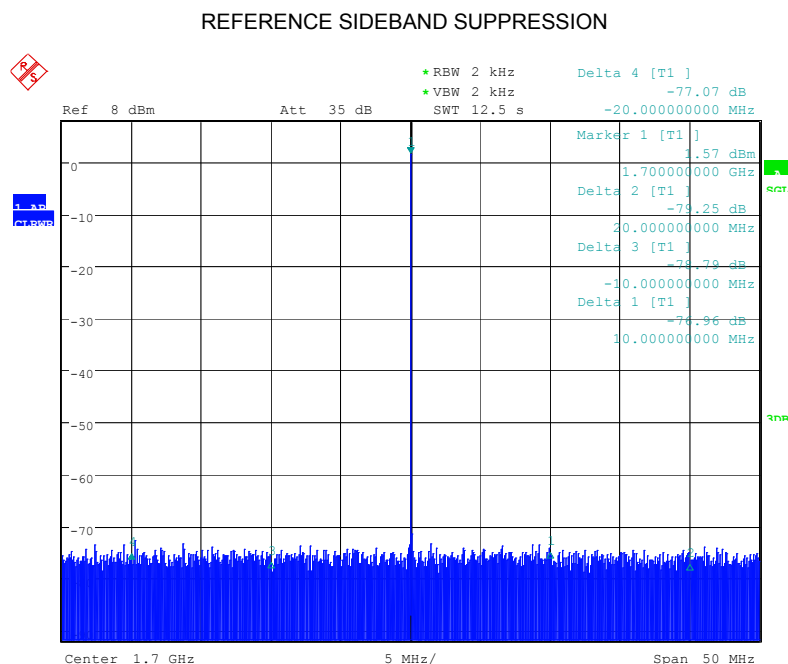


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