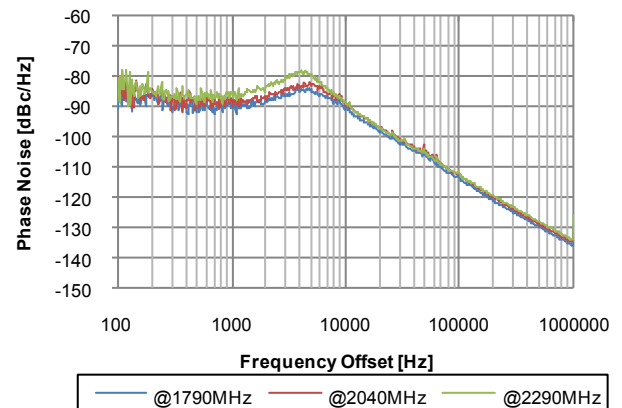


Features

- Wideband PLL
- 3 wire serial integer PLL
- 1.0"x1.25"x0.2"
- Low phase noise
- Programming : ADF4113(ADI)

Applications

- SATCOM radio link
- Receiver
- Test Equipment
- Radar
- Point-to-Point radio
- MMDS
- WiMAX

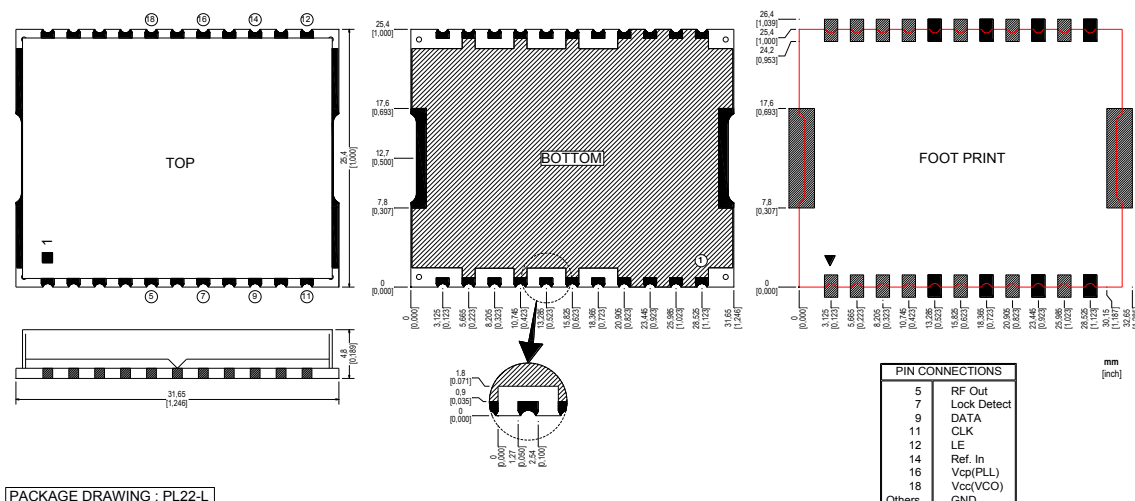


Electrical Characteristics

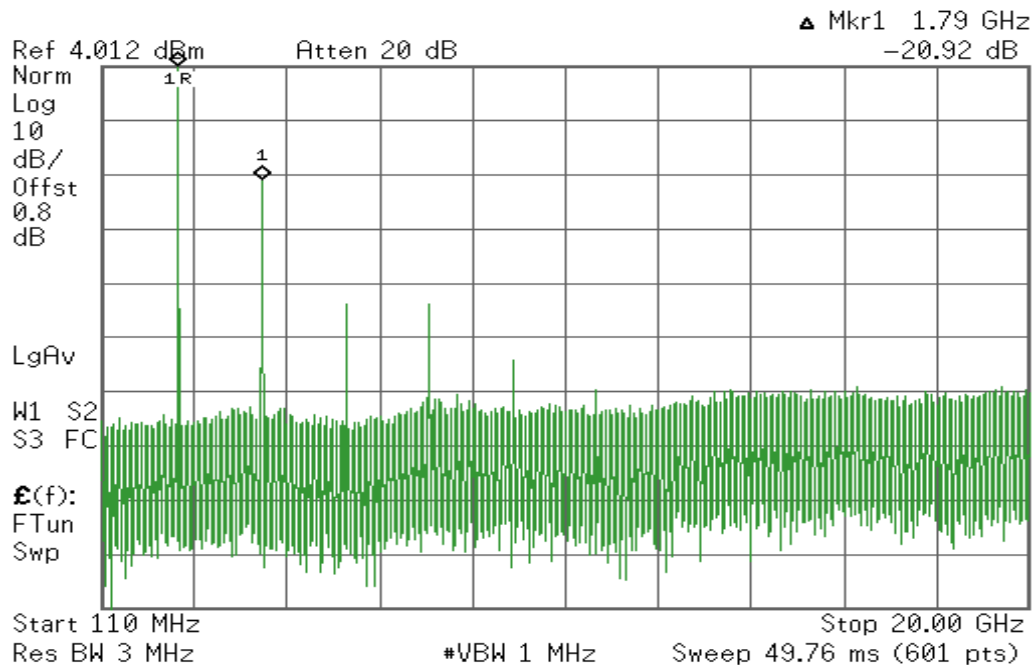


Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	1790		2290
Step Size	kHz		1000	
Settling Time	msec		10	30
Output Power	dBm	+1.0	+4.0	+7.0
Output Impedance	Ω		50	
Phase Noise	@1kHz offset	dBc/Hz	-84	-79
	@10kHz offset	dBc/Hz	-90	-85
	@100kHz offset	dBc/Hz	-113	-108
	@1MHz offset	dBc/Hz	-135	-130
2nd Harmonic Suppression	dBc		-21	-10
Sideband Spurious Suppression	dBc			-75
Reference	Input Frequency	MHz	5	100
	Input Level	dBm	-5	+5
VCO Power Supply (Vcc)	Voltage	Vdc	15	
	Current	mA	38	45
PLL Power Supply (Vcp)	Voltage	Vdc	5	
	Current	mA	5	10
Operating Temp. Range	$^{\circ}\text{C}$	-40		+85

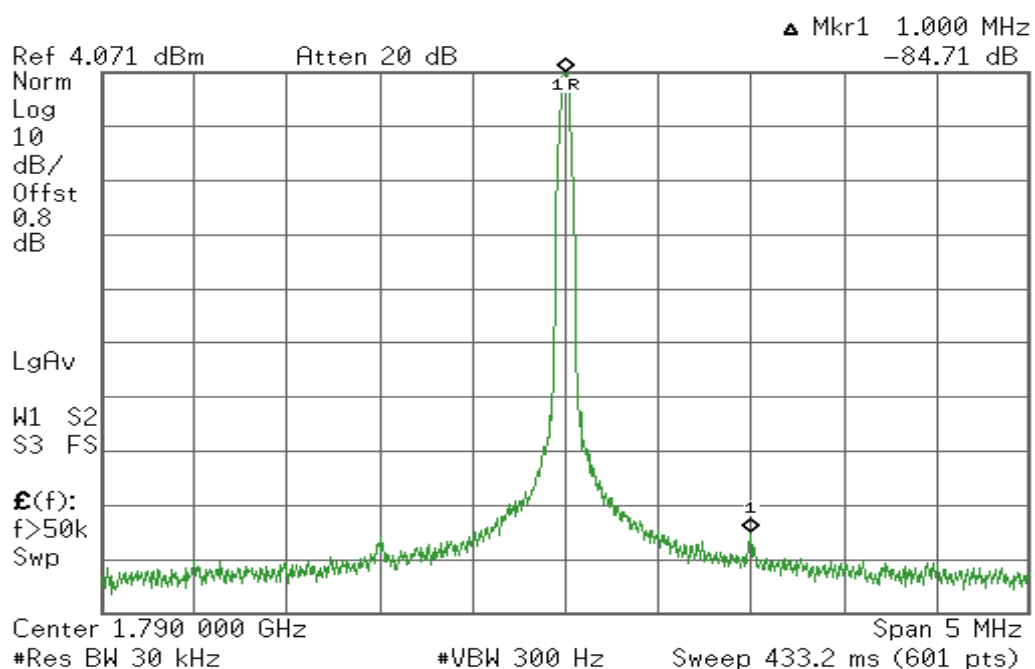
Dimensions



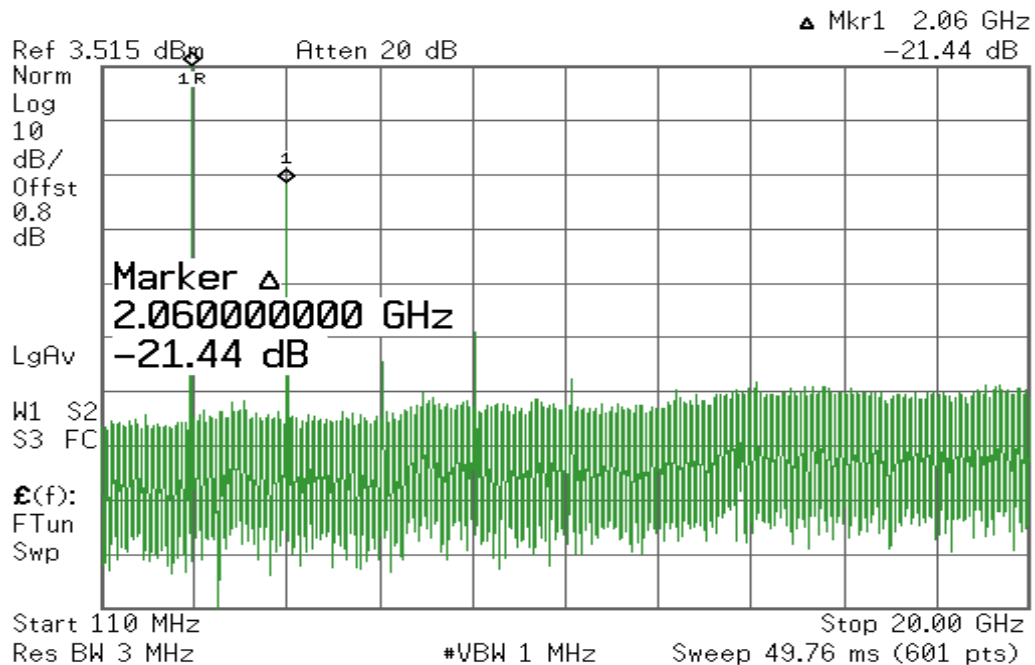
Harmonic Suppression - @1790MHz



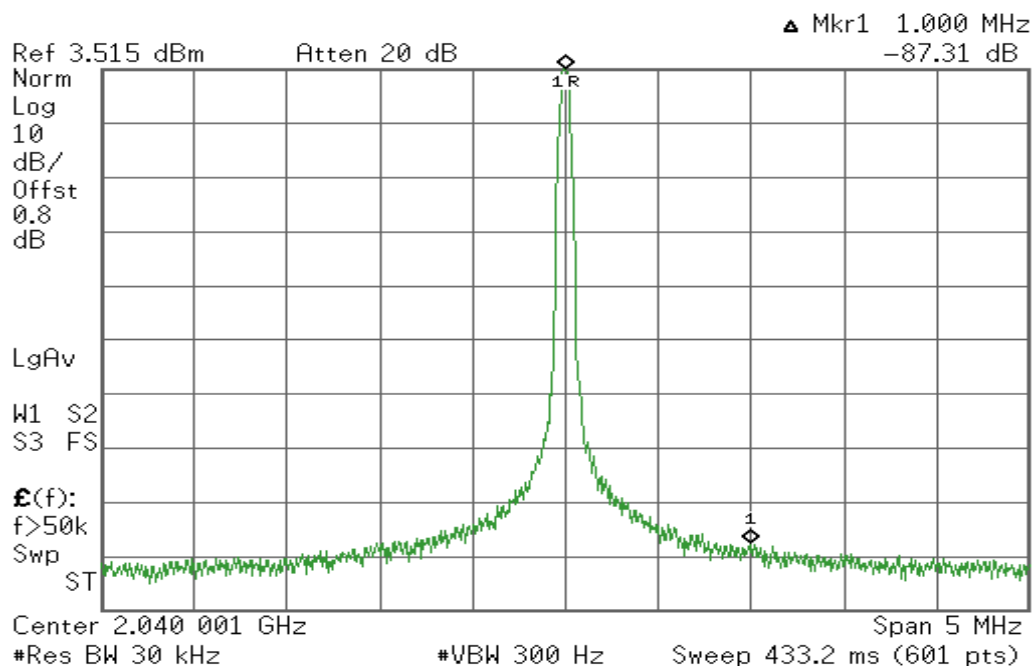
Sideband Spurious Suppression - @1790MHz



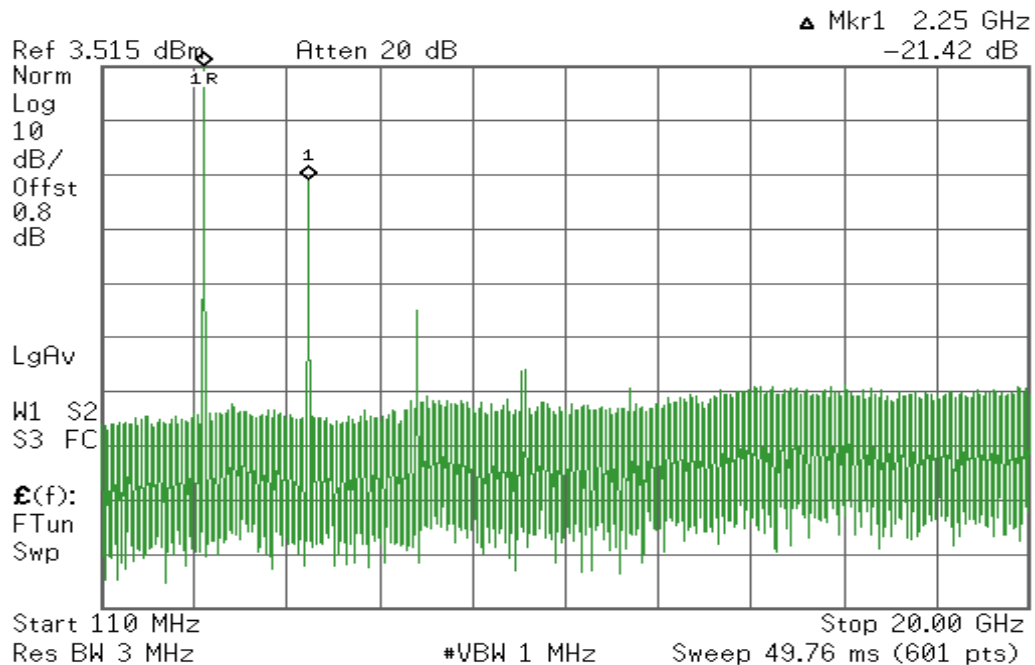
Harmonic Suppression - @2040MHz



Sideband Spurious Suppression - @2040MHz



Harmonic Suppression - @2290MHz



Sideband Spurious Suppression - @2290MHz

