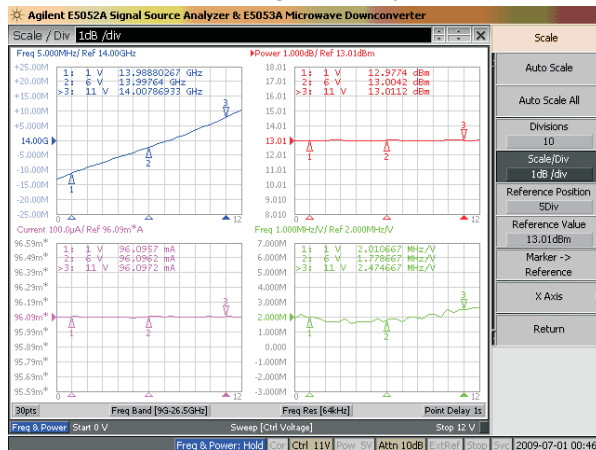


### Electrical Specification ( $T_A=25^\circ\text{C}$ )

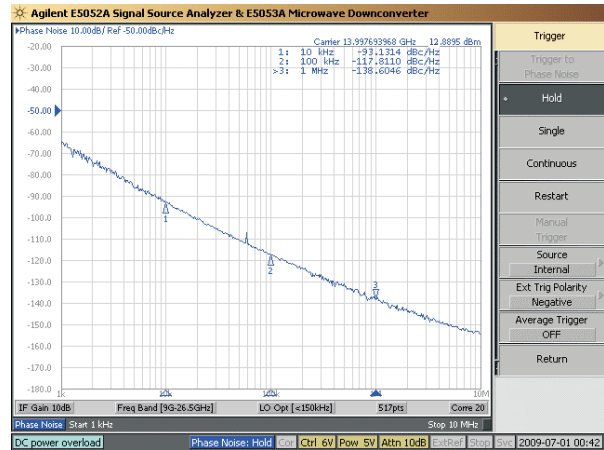
Parameter	Unit	Min	Typ	Max	Test condition	Parameter	Unit	Min	Typ	Max	Test condition
Frequency range	MHz	--	14000	--	$V_T \uparrow \sim 11\text{V}$	Pushing	MHz/V	--	1.0	--	$V_{cc}: 4.75 \sim 5.25\text{V}$
Tuning voltage	V	1	--	11	--	Tuning port capacitance	pF	--	10	--	--
Tuning sensitivity	MHz/V	--	2.0	--	14000MHz	Input impedance	$\text{M}\Omega$	--	10	--	--
Power output	dBm	10	--	--	14000MHz	Output impedance	$\Omega$	--	50	--	--
Output power vibration vs. Temp	dB	--	3	--	$-40^\circ\text{C} \sim +70^\circ\text{C}$	Frequency drift	MHz	--	7.0	9.0	$-40^\circ\text{C} \sim +70^\circ\text{C}$
Phase noise SSB At offset frequency	dBc/Hz	--	-93	--	$f_m=10\text{KHz}$	DC voltage	V	4.75	5	5.25	--
		--	-117	--	$f_m=100\text{KHz}$	DC current	mA	--	100	120	--
Harmonic	dBc	--	--	-20	14000MHz	Operating temp range	$^\circ\text{C}$	-40	--	+70	--
Spurious	dBc	--	--	-70	14000MHz	Storage temp range	$^\circ\text{C}$	-55	--	+85	--

### Typical performance

a. Frequency, output power, current  
Tuning sensitivity



b. Phase noise



### Absolute Ratings

Power Voltage	5.5V
Max Tuning Voltage	15V
Min Tuning Voltage	-0.7V

