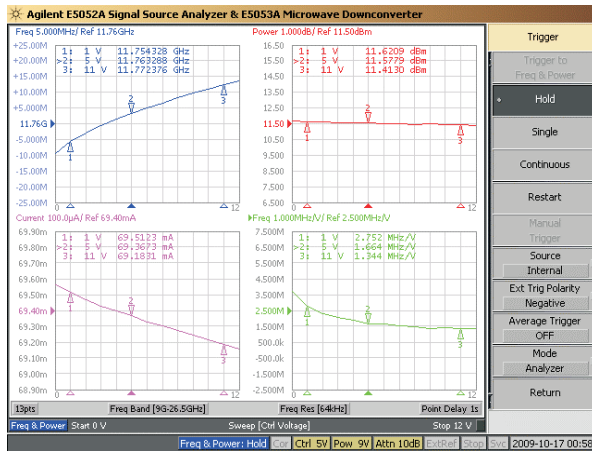


### Electrical Specification ( $T_A=25^\circ\text{C}$ )

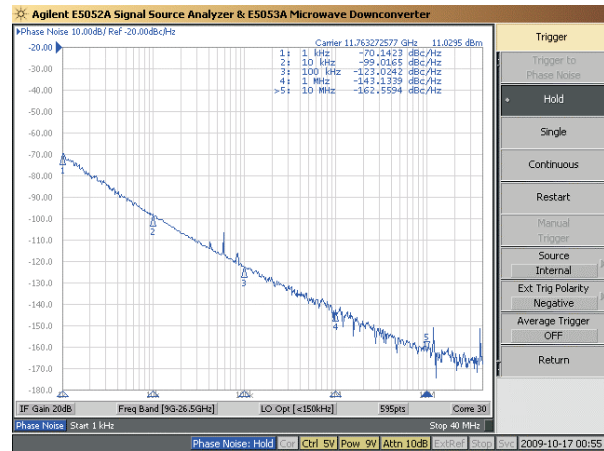
Parameter	Unit	Min	Typ	Max	Test condition	Parameter	Unit	Min	Typ	Max	Test condition
Frequency range	MHz	--	11765	--	$V_T \approx 11\text{V}$	Pushing	MHz/V	--	0.3	--	$V_{CC}: 8.55\sim 9.45\text{V}$
Tuning voltage	V	1	--	11	--	Tuning port capacitance	pF	--	10	--	--
Tuning sensitivity	MHz/V	--	1.6	--	11765MHz	Input impedance	$\text{M}\Omega$	--	10	--	--
Power output	dBm	10	--	--	11765MHz	Output impedance	$\Omega$	--	50	--	--
Output power vibration vs. Temp	dB	--	3	--	$-40^\circ\text{C}\sim +70^\circ\text{C}$	Frequency drift	MHz	--	4	6	$-40^\circ\text{C}\sim +70^\circ\text{C}$
Phase noise SSB At offset frequency	dBc/Hz	--	-99	--	fm=10KHz	DC voltage	V	8.55	9	9.45	--
		--	-123	--	fm=100KHz	DC current	mA	--	70	85	--
Harmonic	dBc	--	--	-20	11765MHz	Operating temp range	$^\circ\text{C}$	-40	--	+70	--
Spurious	dBc	--	--	-70	11765MHz	Storage temp range	$^\circ\text{C}$	-55	--	+85	--

### Typical performance

a. Frequency, output power, current tuning sensitivity



b. Phase noise



### Absolute Ratings

Power Voltage	11V
Max Tuning Voltage	15V
Min Tuning Voltage	-0.7V

