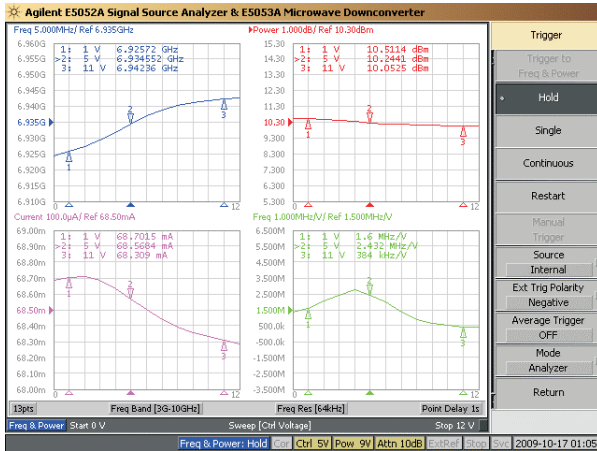


Electrical Specification ($T_A=25^\circ\text{C}$)

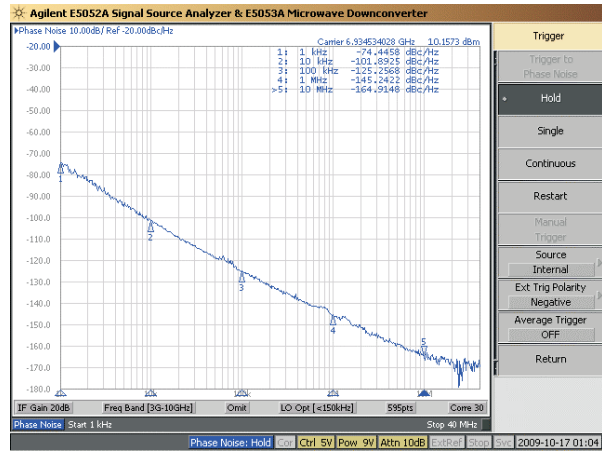
Parameter	Unit	Min	Typ	Max	Test condition	Parameter	Unit	Min	Typ	Max	Test condition
Frequency range	MHz	--	6935	--	$V_T: 1\sim 11\text{V}$	Pushing	MHz/V	--	0.2	--	$V_{cc}: 8.55\sim 9.45\text{V}$
Tuning voltage	V	1	--	11	--	Tuning port capacitance	pF	--	10	--	--
Tuning sensitivity	MHz/V	--	2	--	6935MHz	Input impedance	$\text{M}\Omega$	--	10	--	--
Power output	dBm	10	--	--	6935MHz	Output impedance	Ω	--	50	--	--
Output power vibration vs. Temp	dB	--	3	--	$-40^\circ\text{C}\sim +70^\circ\text{C}$	Frequency drift	MHz	--	2	4	$-40^\circ\text{C}\sim +70^\circ\text{C}$
Phase noise SSB At offset frequency	dBc/Hz	--	-101	--	fm=10KHz	DC voltage	V	8.55	9	9.45	--
		--	-125	--	fm=100KHz	DC current	mA	--	65	85	--
Harmonic	dBc	--	--	-20	6935MHz	Operating temp range	$^\circ\text{C}$	-40	--	+70	--
Spurious	dBc	--	--	-70	6935MHz	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

