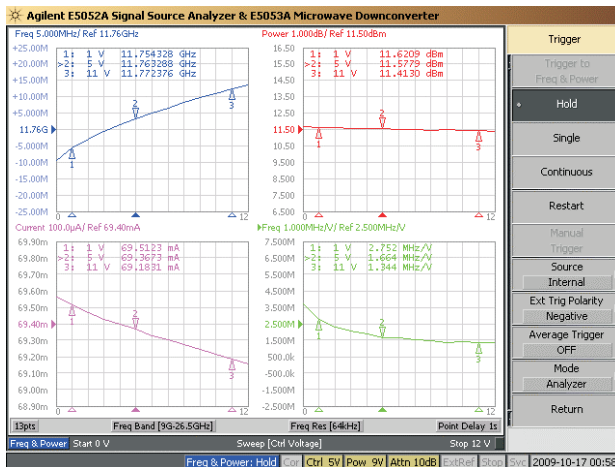


Electrical Specification (T_A=25°C)

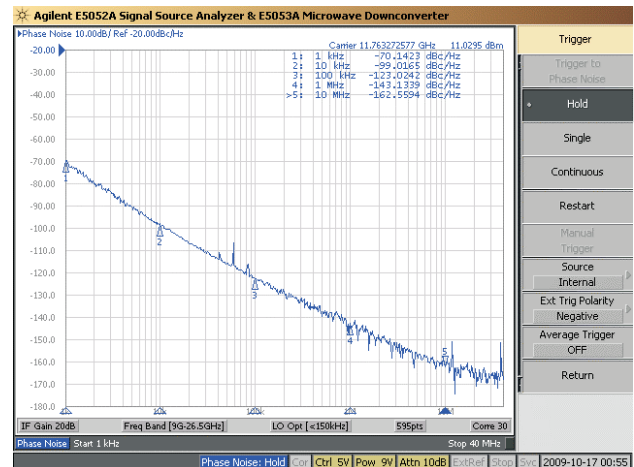
Parameter	Unit	Min	Typ	Max	Test condition	Parameter	Unit	Min	Typ	Max	Test condition
Frequency range	MHz	--	11765	--	V _T 1~11V	Pushing	MHz/V	--	0.3	--	V _{cc} :8.55~9.45V
Tuning voltage	V	1	--	11	--	Tuning port capacitance	pF	--	10	--	--
Tuning sensitivity	MHz/V	--	1.6	--	11765MHz	Input impedance	MΩ	--	10	--	--
Power output	dBm	10	--	--	11765MHz	Output impedance	Ω	--	50	--	--
Output power vibration vs. Temp	dB	--	3	--	-40°C~+70°C	Frequency drift	MHz	--	4	6	-40°C~+70°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	°C	-40	--	+70	--
Spurious	dBc	--	--	-70	11765MHz	Storage temp range	°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

