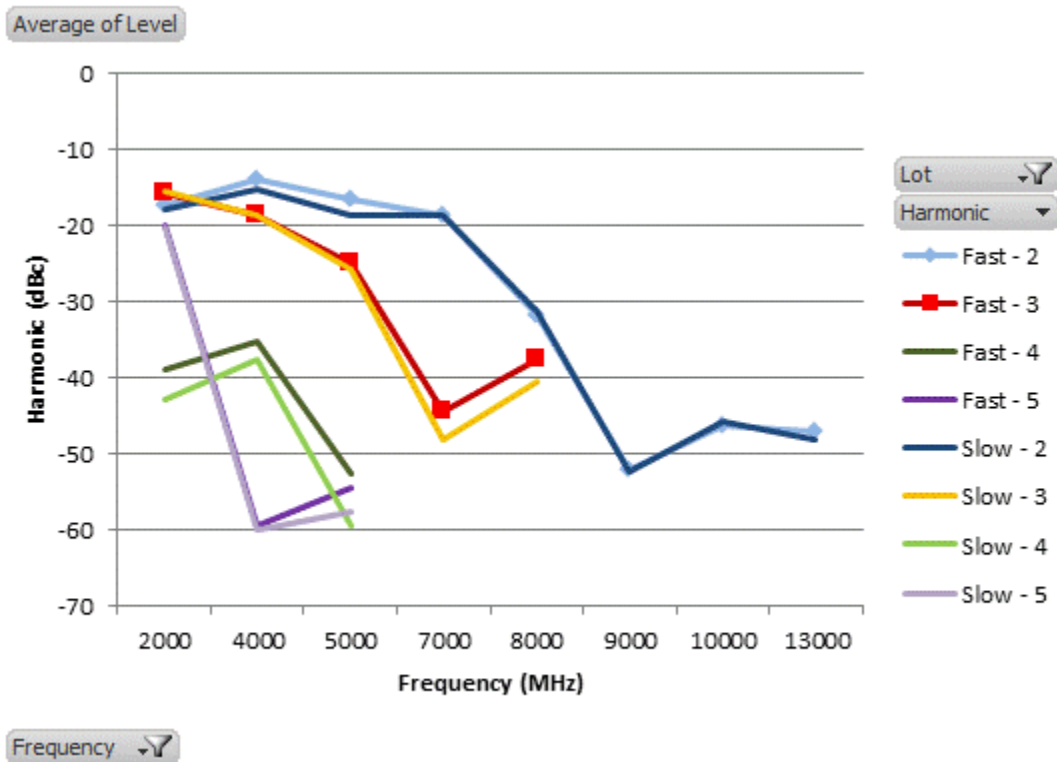


LMX2594 Harmonics

Measurement Techniques

For these measurements socketed board was used. This allowed slow and fast corner lots to be used. Note that the max frequency on the spectrum analyzer was 26.5 GHz, thus higher harmonics were limited in measurement. For higher harmonics, it is conceivable that the true harmonics could be higher. Note that there is not much variation over process and there is reasonable agreement with the datasheet.



There is reasonable agreement with the datasheet.

B. measured on output A		OUTB_MUX = channel divider		
H2	Second harmonic ⁽²⁾	OUTA_MUX = VCO f _{VCO} = 8 GHz	-20	dBc
		OUTA_MUX = VCO f _{VCO} = 11 GHz	-30	
H3	Third harmonic ⁽²⁾	OUTA_MUX = VCO f _{VCO} = 8 GHz	-50	dBc