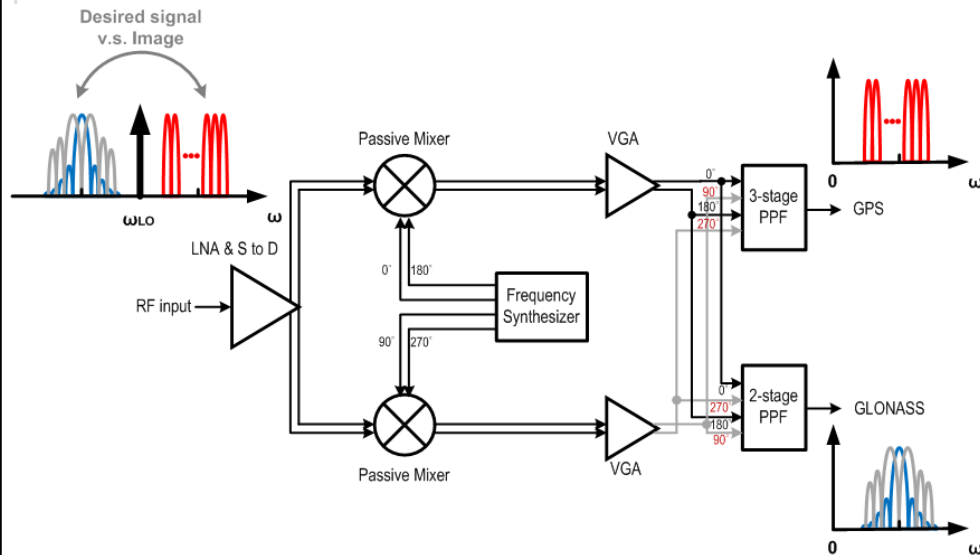
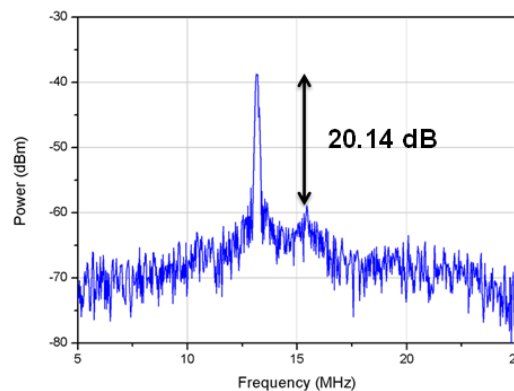
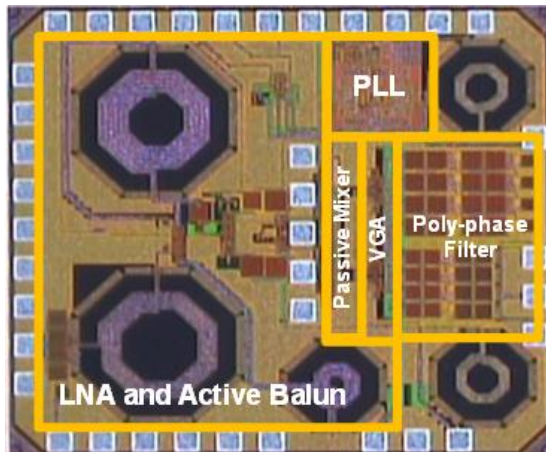




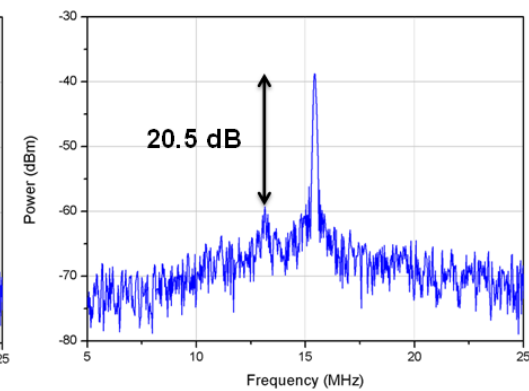
GNSS Multi-standard Receiver Front-end



	Parameters	Measurement
LNA	S11 (dB)	-10
	S21 (dB)	22.58
	S31 (dB)	22.22
	Phase Difference (°)	179.29
	Noise Figure (dB)	1.83
	IIP3 (dBm)	-26
	P1dB (dBm)	-35
	Power (mW)	7.21
	Output Frequency (MHz)	1588.57
Frequency Synthesizer	Phase noise @ 1 MHz offset	-94
	Reference Frequency (MHz)	24.8214
	Power (mW)	7.18
Receiver Front-end	IF Frequency (MHz)	GPS & Galileo/GLONASS 13.15/15.5
	IMRR (dB)	20.14/20.5
	Power Gain (dB)	16.3/17
	NF (dB)	3.55/3.5
	Power Supply (V)	1
	Total Power (mW)	15.79



GPS Output Spectrum



GLONASS Output Spectrum