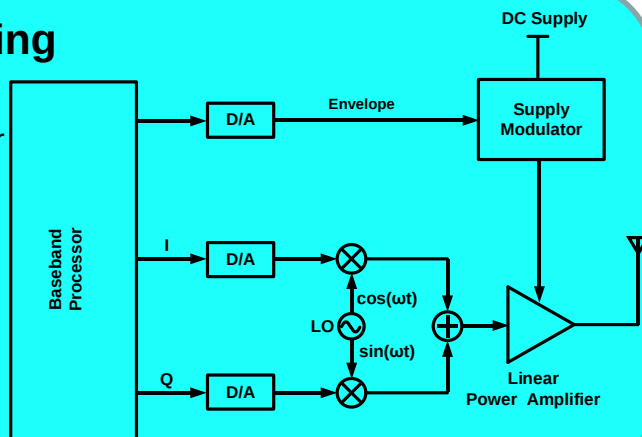
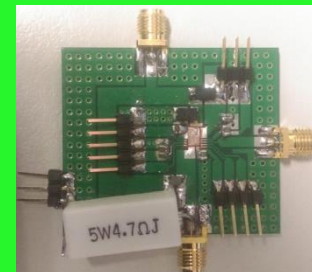
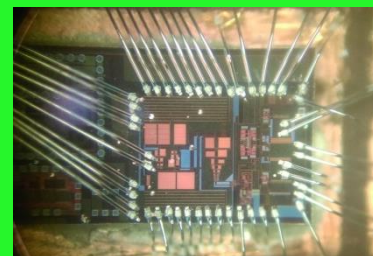
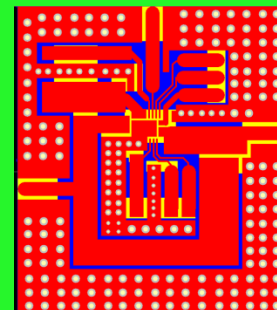
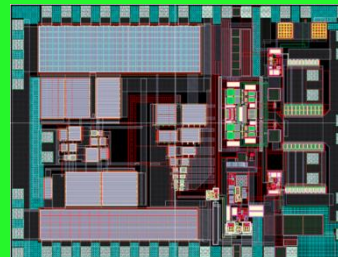


Envelope Tracking

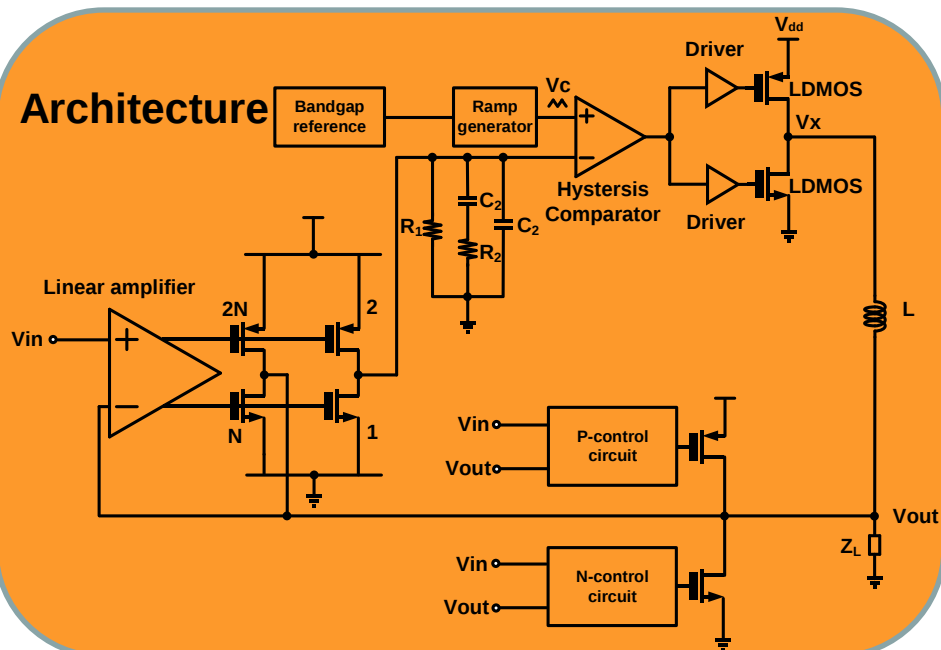
Using a supply modulator to improve the efficiency of the power amplifier



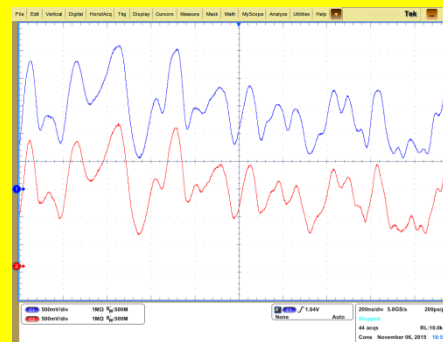
Chip & PCB



Architecture



Measurement Result



20 MHz 16 QAM LTE Envelope

VDD	4.2 V
Process	0.13 μm
Bandwidth	20 MHz LTE
Efficiency	77.3 %
Peak output power	2.76 W
Output voltage range	0.5 ~ 3.6 V
Chip size	1.72*1.28 mm ²