

	This Work	Ilseher et al. (2012)	Shrestha and Paily (2014)	Roth et al. (2014)
Standard	LTE-A	LTE-A	LTE	LTE-A
Technology [nm]	28 FDSOI	65	90	65
Supply Voltage [V]	1.0	1.1	1.0	1.2
Core Area [mm ²]	0.55	7.7	19.75	2.49
Gate Count [kGE]	1124	4867	5304	1574
Clock Freq. [MHz]	825	450	625	410
$n_{\text{HI}}^{\text{max}}$	12	11	16	11
Min. Throughput at $n_{\text{HI}}^{\text{max}}$ [Gb s ⁻¹]	1.375	2.150	2.274	1.013
Power Consumption [W]	0.672	–	1.450	0.966
Energy Efficiency [nJ bit ⁻¹ iter ⁻¹]	0.04	–	0.079	0.17