

RF – Layout (28/14/7 nm)

Customer : The customer is a Tier 1 company.

Project : Multiple RX were designed with frequency 8GHz, 12GHz and 16GHz.

MiraFra's Responsibility : MiraFra was involved for completion of Critical blocks like LNA, Mixer, Bias, DAC etc to be used in RF Front End.

- Parasitic sensitive layout design of High frequency RF block.
- Taken care of mixer input and output signals with less parasitic and symmetric routing
- Mixer routings with less than 5ohm resistance done with critical care of matching
- Integration of RF Front End with 20+ inductors.
- Signal integrity for critical signals.
- EM critical buffer designs.

Tools used : Virtuoso (Cadence), Caliber (Mentor)

Engagement Model : A team of 5 people for 12+ months onsite based on T&M.