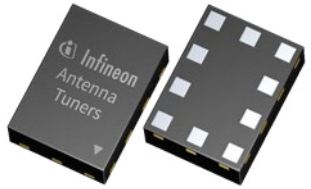
Antenna tuners

Optimizing antenna efficiency in 5G and IoT applications



Antenna tuning switches

Aperture tuning:

– Tuning an antenna to a specific frequency band for optimized efficiency

Impedance tuning:

– Optimizing signal transmission to the antenna by compensating frequency and environmental effects

Target applications

– Smartphones, laptops, tablets and wearables
– Various battery powered cellular applications
– Industrial applications, e.g. asset tracking, smart metering

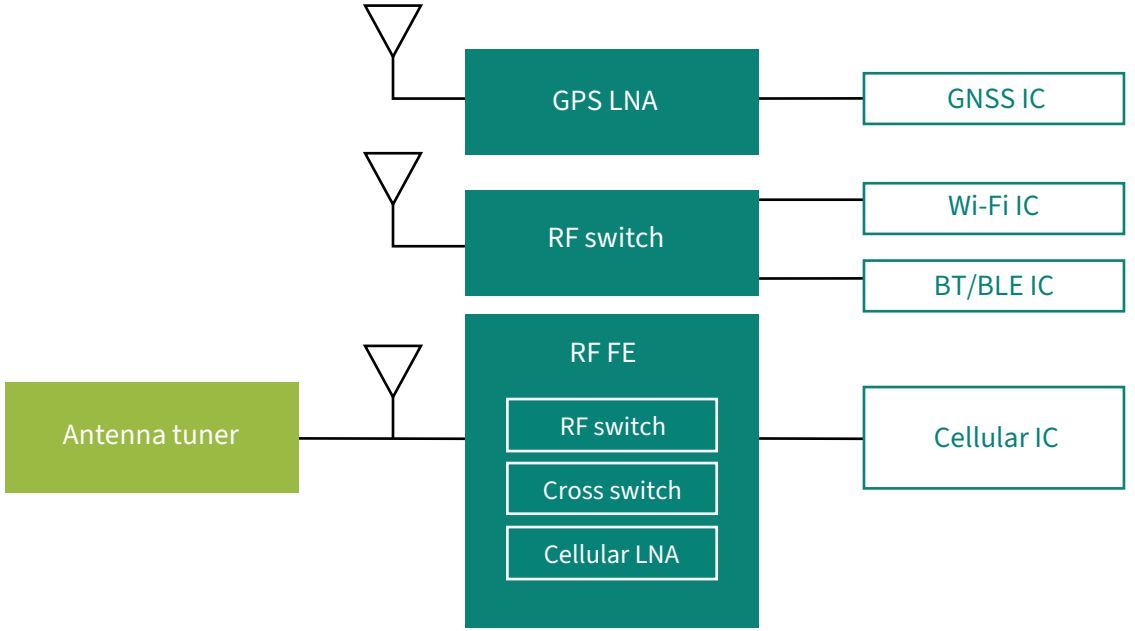
Features

– Frequency range up to 8.25 GHz
– MIPI and GPIO control modes
– Best-in-class harmonics
– Low current consumption
– Compact footprint

Benefits

– Improved antenna performance
– Increased design flexibility
– Higher power efficiency
– Cutting edge Ron x Coff figure of merit

Block diagram



Useful links

Antenna tuner portfolio
RF product selection guide
Antenna Tuner Simulator ATS Guide / Tool