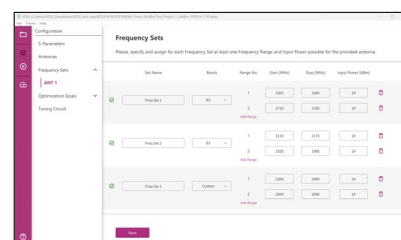
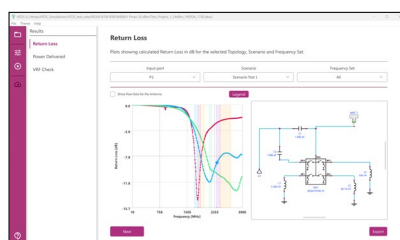
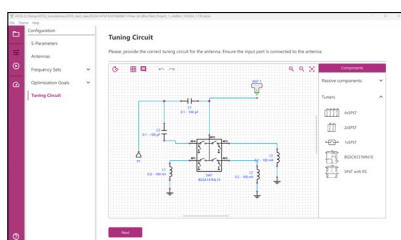
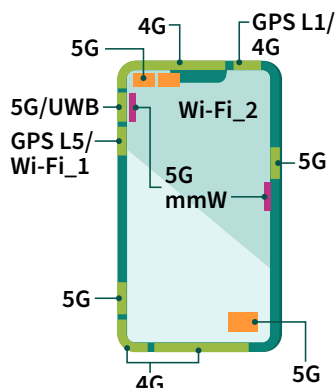


Antenna Tuner Simulator (ATS)

Antenna performance is key for good signal transmission (saves energy) and reception (call drops). Antenna tuner help to improve the overall antenna performance and enable the utilization of different frequency bands. Infineon ATS is a free simulation software that allows the simulation and optimization of antenna tuners for a multitude of use cases. The simulator is tailored for this kind of design+optimization task and is easy-to-use, fast and robust. It comes with a set of pre-defined antenna tuners from Infineon.

Antenna Tuner Simulation Tool

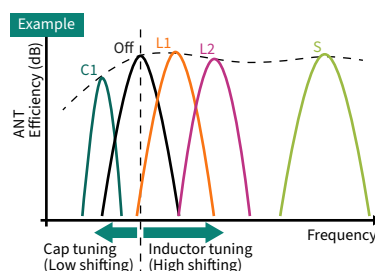
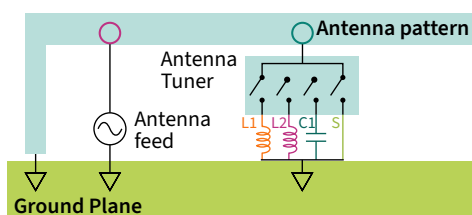
The tool contains a simple to use circuit editor, a mask to define target frequencies and weights and a graphical interface for plotting the results after an optimization run. As optimization algorithm a quantum genetic algorithm is used.



Optimization of antenna tuners for multiple use cases

Typical use-case of an (aperture) antenna tuner with different elements for shifting the antenna frequency.

By connecting different elements to GND at the antenna tuning position the resonance frequency of the antenna can be tuned to the desired band of operation.



Download for free!

Infineon ATS is available via the Infineon webpage for free and only requires a registration at [myinfineon](https://my.infineon.com). The software comes with a user manual, a step-by-step user guide and examples for fast and easy onboarding.



In case of questions around the Infineon Antenna Tuner Simulator please reach out to ats.support@infineon.com or visit [our webpage](https://www.infineon.com/ats).