

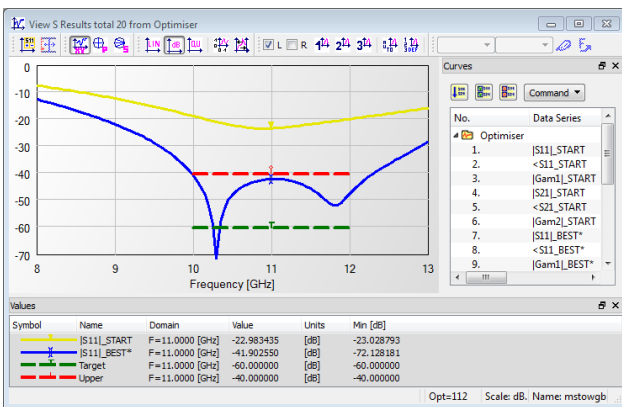
**QW-OPTIMISERPLUS**

*QW-OptimiserPlus* is a multiobjective optimiser fully integrated with *QW-Simulator* and matches efficiency and reliability with very user-friendly interface. It allows finding an optimal solution in an automatic way.

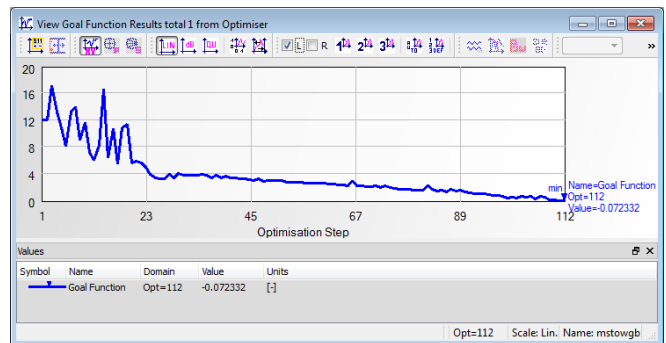


**OPTIMISATION**

During the optimisation the values of variables adopted for the particular *QW-Simulator* run and the values of calculated objectives are stored in *Optimiser Cache*. The information stored in the *Cache* is used by *QW-OptimiserPlus* to decide upon the next set of variables to be tried while avoiding unproductive recalculation of the states for which the goal function has already been calculated.



Information about the optimisation process is displayed in the Log window. In separate window *Goal Function* progress can be observed.



**PARAMETER SWEEP**

The parameter sweep is performed on a fixed predefined grid of values or user defined values.

It can be advantageous in:

- "manual optimisation" – to find the best set of parameters by a numerical "cut and try" method supported by the engineer's experience,
- analysis of sensitivity of the circuit characteristics to mechanical tolerances,
- finding a good starting point for further automatic optimisation.

