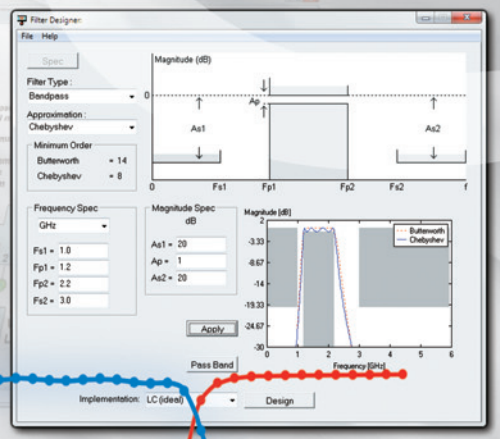
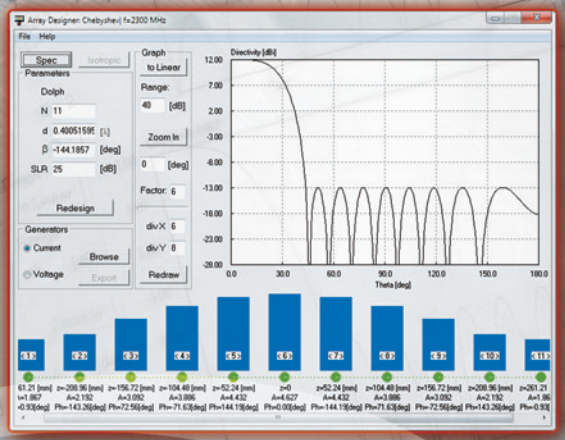
WIPL-D

Adjust WIPL-D suite to meet your needs



Filter Designer

- Automated RF/microwave filter synthesis wizard
- Lowpass, bandpass, highpass and bandstop filters
- Approximaton functions: Butterworth and Chebyshev
- Stepped-impedance, shunt stub, and capacitive-coupled resonator filters
- Ideal LC lumped element and transmission line filters
- Unequal port impedances (different source and load resistances)
- Fast tuning of filter realizations: LC lattice network, stepped impedance filters, parallel stub filters, capacitive-coupled resonators
- Microstrip implementation available on a single click
- Direct export into WIPL-D Microwave for further optimization



Array Designer

- Automated radiation pattern synthesis for one dimensional antenna arrays
- User-friendly GUI with a straightforward two-tier procedure with Interactive tuning
- Designs linear equally-spaced arrays with following distributions:
  - narrow-beam low side lobe (windowed, Dolph-Chebyshev, Taylor)
  - null placement (Schelkunoff's polynomial method)
  - beam shaping (Fourier transform, Woodward-Lawson)
- Designs broadside, end-fire and increased directivity (Hanson-Woodyard) arrays
- Direct export into WIPL-D Microwave schematic for further optimization and verification