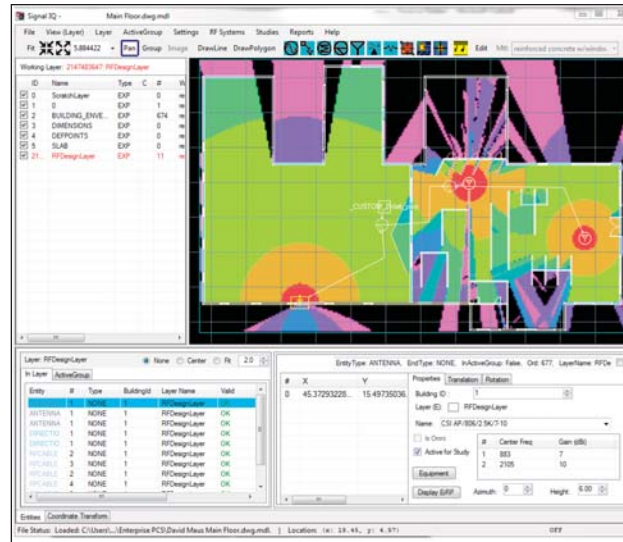


EDX Signal-IQ is a standalone indoor RF design tool that allows quick and effective designs of indoor wireless networks. Import building floor plans in .DWG (AutoCAD) format or quickly sketch floor plans on imported image files. Assign the RF properties of walls and other objects, create RF designs by placing RF objects and connect them with an RF cable placement tool. With the RF design placed on the floor plan, Signal-IQ allows the user to simulate and display the coverage of the indoor wireless network. Signal-IQ is based on the EDX Building Editor and Microcell/Indoor Module, which have been used for over ten years to design indoor wireless networks throughout the world. Now the 25+ years of EDX's experience in radio planning and design software is available as a competitively-priced standalone software tool.

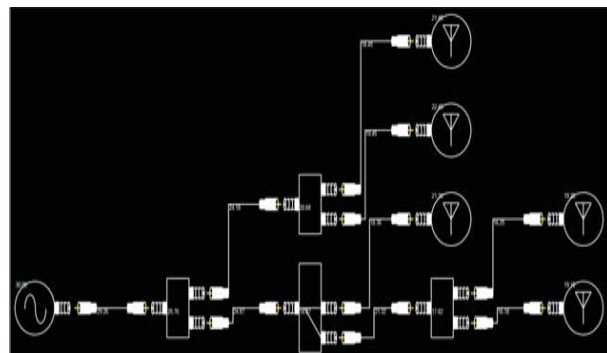
Features

- Streamlined process to import AutoCAD .DWG files and easily tag walls and objects of interest with their relevant RF parameters. Quickly tag groups of irrelevant items (such as furniture) as "RF transparent" but still allow them to be displayed for visual reference.
- An image file of the floor plan can be imported and RF-tagged walls can be quickly drawn on the image to create an RF design ready floor plan. The associated RF properties can be chosen from a pull-down menu for ease of drawing the correct walls or changing wall RF characteristics when editing walls.
- For areas (such as clusters of cubicles) that are time-consuming to digitize and RF-tag, Signal-IQ has the option to place an attenuation region that will subtract a user specified fixed and/or distance-based attenuation(s) from the calculated signal strengths.
- Signal-IQ contains a pre-filled library of common RF sources, Access Points, RF splitters, Directional Couplers, Antennas and RF cables, with their associated RF parameters. The user can quickly add additional RF objects of interest.



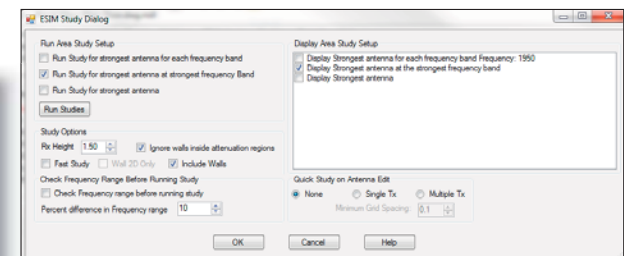
Signal-IQ main project screen with windows for the floor plan with RF design and overlaid coverage plot along with layer and RF object selection and editing tools.

- The calculated EIRP can be displayed next to each antenna.
- A separate schematic view that displays only the RF objects and interconnecting cables. This allows the RF engineer to quickly check for missing connections and gender mismatches.



Schematic view showing each RF element and their interconnection. Calculated losses and powers can also be displayed on the schematic view.

- RF objects can be easily specified, placed, moved and changed on the floor plan. The user has the option to set their preferred RF objects in a pick list for ease of insertion into the RF design.
- Snap walls to other walls to form continuous floor plans without gaps as well as snap RF cable ends to nearby RF objects.
- A quick and accurate simulation of the indoor system's RF coverage can be created and displayed. Multiple calculation and display options are available.
- A scaling tool that will adjust all items, including imported floor plan images, walls and RF cable lengths to the user-specified scale.
- A real-time RF coverage calculator that shows the calculated EIRP and RF coverage from an antenna as it is moved around the floor plan. This allows the RF designer to quickly optimize the coverage of each antenna.
- An RF cable tool that allows a rapid and intuitive connection between RF objects. Cable lengths and RF losses are automatically calculated and automatically stored in the Bill of Materials and RF link budget lists.



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