

Simulation Tools Prevent Signal Interference on Spacecraft

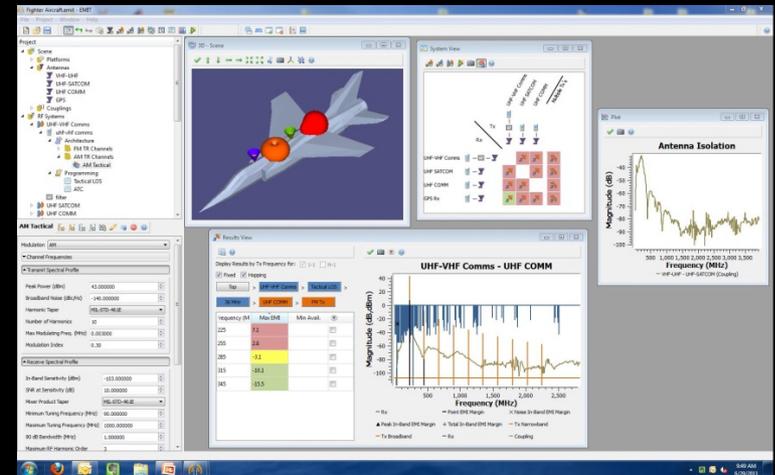


Kennedy Space Center

**Delcross Technologies LLC
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NASA Technology

- ◆ Preparing for a satellite launch includes ensuring that the radio communications systems in the rocket and the satellite do not interfere with each other
- ◆ Computer simulations can predict interference, which allows engineers to remedy the issue, but setting up the model can be time-consuming



Technology Transfer

- ◆ Through SBIR funding, Delcross improved its interference simulation software by expanding the library of various transmitter and receiver specifications that can be dragged and dropped into models being set up
- ◆ The company then included the added feature through an update to its software product

Benefits

- ◆ The expanded database can shave days off of setting up the simulation
- ◆ Since the new feature was introduced, business has increased with the US military, telecommunications companies, and others who depend on clear radio transmission signals