

Press Release

Airbus Defence and Space Analyzes EMC Test Chambers Using CST STUDIO SUITE

Darmstadt, Germany, July 29, 2014 – By incorporating electromagnetic (EM) simulation tool, CST STUDIO SUITE®, into their compliance process, Airbus Defence and Space were able to accurately characterize how their test chamber was affected by a change to the electromagnetic compatibility (EMC) testing standard.

Airbus Defence and Space (<http://airbusdefenceandspace.com>) develops, maintains and operates systems for civilian and military security authorities around the world. Their products are tested in accordance with the recently updated MIL-STD-461 EMC standard, which defines the precise set-up of the testing chamber. The effect of the change to the standard needed to be analyzed in order to ensure that the results of compliance testing remained accurate.

“In order to evaluate the effect of the change in standard and verify the accuracy of virtual prototyping, Airbus Defence and Space turned to CST STUDIO SUITE.”

By supplementing the testing process with EM simulation, Airbus Defence and Space were able to characterize their anechoic chamber and verify that the redesigned test chamber gave more accurate results. Measured and simulated results from the test chamber agreed closely, increasing confidence in both physical and virtual prototyping.

The full success story detailing the analysis of the EMC test chamber can be downloaded at <https://www.cst.com/airbus>

About CST

Founded in 1992, CST offers the market’s widest range of 3D electromagnetic field simulation tools through a global network of sales and support staff and representatives. CST develops CST STUDIO SUITE, a package of high-performance software for the simulation of electromagnetic fields in all frequency bands, and also sells and supports complementary third-party products. Its success is based on combination of leading edge technology, a user-friendly interface and knowledgeable

support staff. CST's customers are market leaders in industries as diverse as telecommunications, defense, automotive, electronics and healthcare. Today, the company enjoys a leading position in the high-frequency 3D EM simulation market and employs 240 sales, development, and support personnel around the world.

CST STUDIO SUITE is the culmination of many years of research and development into the most accurate and efficient computational solutions for electromagnetic designs. From static to optical, and from the nanoscale to the electrically large, CST STUDIO SUITE includes tools for the design, simulation and optimization of a wide range of devices. Analysis is not limited to pure EM, but can also include thermal and mechanical effects and circuit simulation. CST STUDIO SUITE can offer considerable product to market advantages such as shorter development cycles, virtual prototyping before physical trials, and optimization instead of experimentation.

Further information about CST is available on the web at <https://www.cst.com>.

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