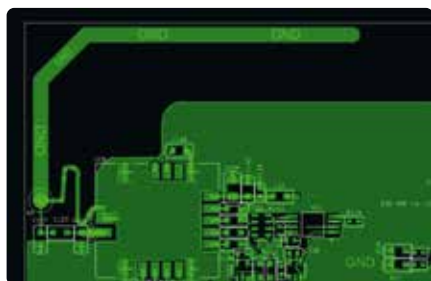


Radio frequency design and testing

The demand for hardware designs with RF connectivity is constantly increasing. To meet the demand we have a team of hardware engineers with years of experience from the telecom business, and we have a well equipped test laboratory to ensure the quality of our designs.

RF design

RF compliant design requires great knowledge in hardware design, PCB materials, antenna radiation characteristics, and the effect of having RF signals co-exist with microcontrollers and analog circuitry.



Example of a PCB antenna

EKTOS can update existing designs or provide a complete solution with the wireless connectivity needed for your product.

Reliable RF testing

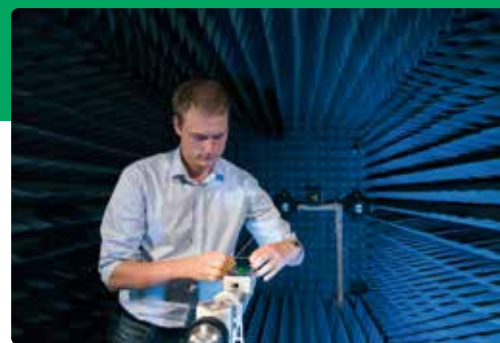
EKTOS has the skills and equipment for performing verification testing of a large range of both simple and complex modulated RF signal standards like GSM, Wi-Fi, BT, ZWave, and many other standards.

Our setup allows us to respond rapidly to challenges and changed requirements during the development of a complex product, and it enables the designer to optimize the design according to standards and beyond.

All tests are documented using a detailed, professional report structure which supports the chosen design solution.

RF test equipment

In our test labs in Copenhagen and Struer, Denmark, we have high performance test equipment such as an Agilent EXG (Vector Signal Generator), EXA (Signal Analyzer), and Rohde & Schwarz CMW-Z10 (Shielding Box).



This chamber, located in Copenhagen, is used for accredited and non-accredited RF tests



R&S®CMW-Z10 RF Shield Box



CONTACT US FOR MORE INFORMATION

Call or message us, and let us discuss how you can benefit from our resources and know-how

July 2019