

**Interoperability ✓ OTA performance ✓ End-to-end ✓
Power consumption ✓ 3D beamforming patterns ✓**

Decide with confidence.
Test your Open RAN setup
at Europe's Open RAN
Antenna Lab

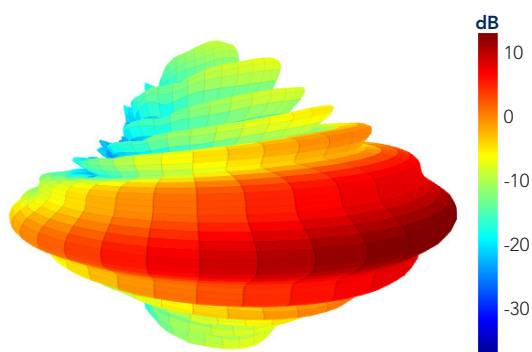


Your questions answered

Open RAN is widely seen as the way to achieve a lower cost, more innovative 5G network. But at the current level of Open RAN maturity, MNOs have many unanswered questions:

- Will the components interoperate?
- Will the base station be compatible with the backbone network?
- How much traffic will our setup handle?
- How can we reduce power consumption?
- What happens when we change a component?
- How will we troubleshoot issues in the field?

The mission of our Open RAN Antenna Lab is to help MNOs answer these questions, giving you the confidence to take Open RAN from the lab to the field and escape the limitations of traditional RAN.

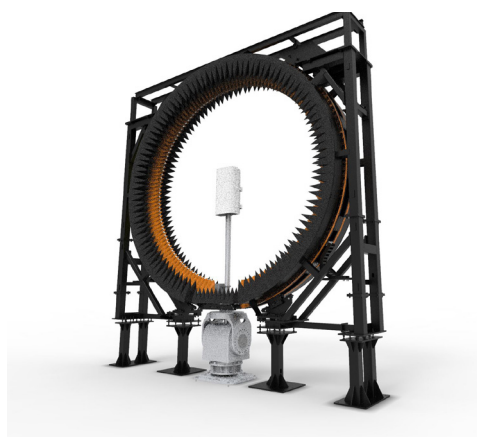


Compare the beamforming patterns of active antennas in 3D

System integration & field support

With a state-of-the-art anechoic chamber, our antenna lab lets you validate your Open RAN setup and rapidly troubleshoot field issues:

- **Integration:** Interoperability and compatibility of equipment according to O-RAN standards
- **Benchmarking:** Test and compare any active antennas, regardless of manufacturer, before you buy. Parameters include 3D radiation pattern and energy consumption
- **Performance:** Over-the-air testing for true end-to-end performance
- **Innovation:** Regression testing of system changes
- **Troubleshooting:** Replicate field issues, identify root cause, and test solutions



The lab features the most advanced anechoic antenna testing chamber in the European cellular industry: a MVG SG Evo



Fast & convenient testing

The European location of our lab enables you to run frequent tests, shorten your innovation cycles, and solve operational issues fast.

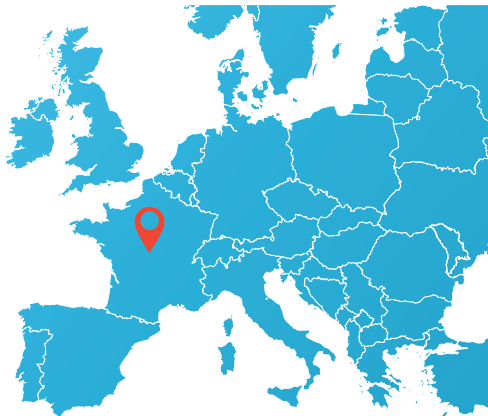
- Centrally located in Europe for fast & convenient access
- Assemble your multivendor experts at the lab
- eRun tests on-site or remotely
- We store your equipment and set it up when you need to run a test
- Fast and cost-effective for shipping equipment
- Priority support for troubleshooting field issues

Committed to Open RAN

As a partner to the European communications industry for many decades, you get to work with an organization fully committed to investing in active and passive antenna innovation. Backed by the \$12bn Amphenol corporation.

We are active contributors to the Open RAN community:

- Official supplier to Orange's Open RAN Integration Center in France
- O-RAN Alliance and Next Generation Mobile Network Alliance
- Collaborations with network software developer Amarisoft and testing technology provider Keysight



Open RAN Antenna Lab, Amboise, France



The lab is located in Amboise, France, providing access within a few hours from across Europe

75 years of antenna testing experience

Antennas are our core business. We've been designing, testing and manufacturing them in Europe since 1948. Visiting our lab takes you into the heart of our R&D team and ensures your access to unsurpassed antenna expertise.

Move your project forward

By helping you decide on the optimal Open RAN setup, our lab can help you exit vendor lock-in and deliver the innovation and TCO you need.

Get in touch by emailing us at info@amphenol-antennas.com or complete the [contact form on our website](#).

Other Open RAN services



Co-create your special-case mMIMO

For rural areas, private networks, stratospheric connectivity and other special cases, standard mMIMOs are a poor fit. We can design and manufacture a cost-effective antenna to meet your needs.

[Find out more](#)