

Interview with Azeddine Gati - Orange

Why does Orange do tests before rolling out a new technology?

Before every deployment, Orange performs tests in the lab, in real-world environments, and then in pilot cities with a customer panel to verify the quality of its services, networks, and equipment.

Orange aims to guarantee that its customers can enjoy an outstanding experience in compliance with all French and international standards.

Are public exposure levels higher with 5G?

In terms of exposure, it mainly depends on the level of power used, but of course exposure levels will always comply with the applicable standards.

What we can say is that with 5G, the network will activate on demand: that means it will be able to adjust to users, when they need it. So, with 5G, exposure will be more precise and less diffuse.

That will also boost energy efficiency and avoid unnecessary waves.

Will more smaller antennas be built?

We are not planning to increase the network's density as we deploy 5G.

5G antennas will be installed on existing 4G sites.

Sometimes small antennas will be used to fill in any coverage gaps, or for specific types of installation like stadiums.

The National Frequency Agency's testing has also shown that 90% of exposure is due to phones and that small antennas would slightly increase exposure due to antennas but significantly reduce exposure from mobiles.