

Trace3 experts can design and build robust Private LTE/5G wireless networks on unlicensed and/or licensed (PAL) spectrum that will allow organizations to deploy business critical mobile applications in environments that are unsuitable for standard WiFi based wireless networks. Trace3 has Certified Professional Installer (CPI) personnel for the OnGo industry alliance and Citizens Broadband Radio Services (CBRS) network design. Private cellular networks are displacing traditional SCADA wireless backhaul and allowing for greater security and performance in providing connectivity to OT/IoT network devices.



OVERVIEW

The emerging and enabling Private Cellular networking technology was a result of the FCC's decision in 2018 to allow the 3.5GHz band for shared use. Although the 3.5GHz band is not the same as completely unlicensed, this shared use spectrum allows for either licensed or unlicensed operation through frequency coordination. The FCC has also recently opened up the 6GHz band for shared use and the rules for standard power/outdoor operation are being finalized. Several developments are combining to create a dynamic/robust marketplace for Private Cellular networks in the coming years. Navigating the complexity of these new bands, related technologies, and their impacts to your business can be overwhelming. Trace3's elite engineering team is here to help.

FEATURED WIRELESS SECURITY SERVICES BY TRACE3

Celona Private Cellular wireless network architecture brings the performance, reliability, and embedded security to wireless network communications. Built on the cellular industry standard 5G-NR specification, Trace3 will work with you to configure the use of standard mobile devices that support Band48 (and other bands) and connect to the Celona Private Cellular network. Celona micro-slicing architecture allows for guaranteed service agreement levels (SLAs) for business-critical application performance. Let Trace3's elite engineers educate you on this new/emerging technology and help you with your design needs.

Private Cellular as a Service is offered by Trace3 in partnering with Cisco Systems, the global leader in network technology. Through this partnership, we can offer customers all the benefits of deploying Private Cellular networks without the complexity of management.



Cisco Ultra Reliable Wireless Backhaul (URWB) is a different type of outdoor wireless network that is optimized to support high-speed roaming characteristics of vehicles and robotic devices. URWB technology also allows you to extend your network where running fiber may not be feasible due to cost/complexity/time. URWB delivers high data rate with low latency and high availability of wireless links. Trace3 will guide you through the process of understanding the features and functionality of Cisco's URWB solution while our team of elite engineers will configure and help you optimize your outdoor wireless network.

Navigating the wireless security landscape can be complex. Trace3 is here to educate and enable you to adopt the emerging private cellular technologies and bands. For more information, contact your Trace3 Security expert or find us at [Trace3.com](https://www.Trace3.com).