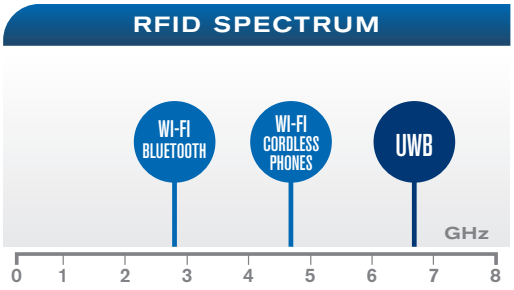
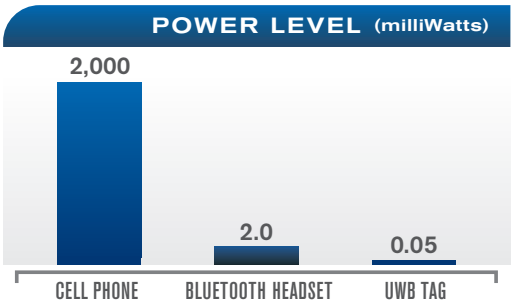
ULTRA WIDEBAND RFID

Safe, Secure and Interference-Free

TIME DOMAIN®

TECHNICAL NOTE





WHAT IS ULTRA WIDEBAND?

Ultra Wideband (UWB) is a type of RFID technology that uses an extremely low power level and a 6.6 GHz transmitting frequency to provide tag information for location-based solutions. A UWB real-time location system (RTLS) can track thousands of tags precisely in a large area like a warehouse, or a single tag in a small coverage zone like a doorway.

IS UWB SAFE?

Yes - UWB technology is extremely safe because of the very low transmit power level of the tag. A UWB tag transmits at a power level that is 10,000 times less than a regular cell phone.

DOES UWB INTERFERE WITH OTHER DEVICES?

No– UWB transmits at such a low power level and across such a wide frequency range that it does not affect other wireless technologies such as Wi-Fi, Bluetooth, UHF, or handheld passive readers. Tests have shown that the interference impact on UWB from a wireless technology like Wi-Fi is essentially negligible (< 0.3%).

IS UWB SECURE?

Yes– UWB's security is enhanced by its very low transmit power, and the data about the tagged item being transmitted. Tag transmissions over the air are secure because the tag signals are at such a low power level that they are impossible to distinguish from RF energy generated by other devices. The tag data generated by the Readers is strictly tag identification. The item level association occurs with an entry on a database secured in the user's IT infrastructure.