

## Application Overview

This application seeks certification of an ultra wideband device under the recently approved Part 15.517 (Technical Requirements for Indoor UWB Systems) as well as 15.209 and all other applicable sections.

The UWB device is a Time Modulated-Ultra Wideband (TM-UWB) transceiver. The device is line powered. The antenna is carefully matched to the excitation waveform and is attached to the transceiver with a reverse polarity SMA connector. These connectors are difficult to obtain, which prevents the replacement of the antenna with an unapproved antenna.

Intertek Testing Services in Atlanta GA measured the device in accordance with the measurement procedures identified in the appendices of the FCC's UWB Report and Order (FCC 02-48). Any deviations from those procedures have been annotated and explained.