

## **Appendix A: Embedded Wireless USB EVM Compliance Testing for Laptops**

Test procedures for laptops with embedded WUSB Host Wired Adapters follow closely the procedures defined for testing external HWAs. The following guide outlines the steps needed to prepare a laptop or embedded system board silicon for EVM compliance testing.

1. Install the latest version of WUSB-CV and Channel Change application directly on the laptop following section 5.5 of the “Technical Guide for EVM” document.
2. Update the internal host wired adapter with the latest driver provided with the WUSB-CV software.
3. Ensure the external associating device has the appropriate “CK of Zero” driver installed as outlined in section 5.7 of the “Technical Guide for EVM” document.
4. Documentation regarding exact placement of the internal UWB antenna must be submitted or accompanied with the submitted device. Any device submitted without this documentation will delay compliance testing..
5. Set up the test bed in the same manner as outlined in section 5.6 of the “Technical Guide to EVM” document. It is likely that no distinguishable WUSB signal will be detected by the oscilloscope at this distance. If this is the case, begin moving the receiving antenna closer to the DUT antenna. Be sure to move no closer than 2cm (~0.75in) to the DUT. Once the signal is detected, follow section 5.7.16 of the “Technical Guide for EVM” document for power equalization.
6. Follow the remaining steps in the “Technical Guide for EVM” document for processing the acquired data.