

AN1316: Bluetooth Mesh Parameter Tuning for Network Optimization



This version of AN1316 has been deprecated. For the latest version, see docs.silabs.com.

This document describes in detail how the Bluetooth mesh topology can influence network operation. Additionally, tips are provided on how to tune your network and its nodes to achieve best performance.

For more detail on how to monitor Bluetooth Low Energy and Mesh data traffic, refer to *AN1317: Using the Network Analyzer with Bluetooth Low Energy and Mesh*. The present document is based on Bluetooth Mesh profile and model 1.0.1 specifications.

As a prerequisite, it is assumed that you are already familiar with Bluetooth Low Energy concepts such as GATT protocol, connections, advertising, broadcasting, and scanning. It is also assumed that you are familiar with the Bluetooth mesh terminology and are accustomed to the meaning of terms “node” and “provisioner”. For more detail, please refer to the Bluetooth Mesh profile specification 1.0.1.

KEY POINTS

- Bluetooth mesh networking
- Network topology
- Networking parameters.
- Advertising bearer versus GATT bearer