This section describes the procedure to evaluate the STW Multi-Proto (SMP) application used in the hosted mode of operation. The following section describes Talaria TWO’s different modes of operation.

This application receives/sends the commands/data from the host application in a specific packet format and performs the required task, which includes connecting to an AP over Wi-Fi and supporting MQTT, HTTP operations on Talaria TWO.

# SMP Application Flow

SMP application works by receiving a request from the host application, servicing it, and sending a response to the host. The SMP application also sends asynchronous messages to the host. These messages are referred to as indication messages.

For example, Talaria TWO’s wake up notifications, scan results, etc., are sent to the host as indication messages. To understand how the host and SMP applications exchange data, it is required to understand the architecture and the control flow of the host application, and the library used. The subsequent section describes the following:

1. Host application working.
2. Types of messages used to communicate between host and Talaria TWO.
3. Library used by the host application to frame a packet and send the same.