

# Tuneup procedure of product

Regarding the product HUB NO.4 there are no tune-up done in the production setup.

There are no hardware adjustment possibilities, and the antenna is fixed.

The only possible adjustment is in firmware, and here the setting is fixed with parameters set in a string embedded in the firmware.

This is a copy of the setup parameters:

*Setup of Application Tx table:*

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*DEFAULT\_TX\_POWER defined as 7 i.e. TX\_POWER\_0\_DBM*

```
// Tx Power Table
const txPwrTbl_t txPwrTbl = { txPowerTable,
                               NUM_TX_POWER_VALUES, // max
                               DEFAULT_TX_POWER }; // default
```

*This is a part of the struct type used for the stack\_main call:*

```
typedef struct
{
  uint8_t   maxNumConns;    // Max number of BLE connections
  uint8_t   maxNumPDUs;    // Max number of BLE PDUs
  uint8_t   maxPduSize;    // Max size of the BLE PDU.
  uint8_t   rfFeModeBias;  // RF Front End Mode and Bias (based on package)
  regOverride_t *rfRegTbl; // RF Override Register Table
  txPwrTbl_t *txPwrTbl;    // Tx Power Table
  uint8_t   maxNumPSM;     // Max number of L2CAP Protocol/Service Multiplexers
  uint8_t   maxNumCoChannels; // Max number of L2CAP Connection Oriented Channels
  pfnBMAlloc_t *pfnBMAlloc; // BM allocator function pointer
  pfnBMFree_t *pfnBMFree;  // BM de-allocator function pointer
  uint32_t   startupMarginUsecs; // power management MARGIN
} bleUserCfg_t;
```