

Module Hardware Integration Instructions

This document describes specific items for ensuring the module is integrated into a host board properly to comply with the modular certification. The paragraphs below reference FCC document KDB 996369 D03 OEM Manual V01, dated February 1, 2019.

2.2 The CMP4010 Module is a WiFi and BLE module certified to comply with FCC 15.247/RSS-247 DTS Radios

2.3 The module is intended to be used as is on a host board and is certified with the pcb trace antenna designed as part of the module. No other antennas may be substituted under this certification.

2.4 The module is certified as a fully modular solution. Therefore, the Limited Module procedures do not apply.

2.5 The only allowed antenna is the pcb trace antenna included on the module. Therefore, Trace Antenna Designs requirements are not applicable. Any deviations from using the designed trace antenna requires the host manufacturer to notify CEL of a desire to change to an alternative antenna. Doing so will require a Class II permissive change application required to be filled out by CEL. Alternatively, the host manufacturer can obtain a new FCC ID and take the responsibility of testing followed by their own Class II permissive change with the consent of CEL.

2.6 The module is certified to the RF exposure limits allowed by a mobile device with a separation of 20cm from the body.

2.7 The only approved antenna is the planer inverted F antenna (PIFA) included on the module pcb.

2.8 Please reference the CMP4010 datasheet with the allowed labeling instructions.

2.9 For any RF related testing of the CMP4010 module on the host system please contact CEL. A user interface can be provided with allows serial commands to be sent from the host to the module through the UART to configure the radio parameters such as channel, data rate, and protocol.

2.10 The CMP4010 modular certification covers only this standards listed in 2.2 above. It is the responsibility of the manufacturer of the host product to comply with all product level requirements and to have the host product tested.

Sincerely,



David Wilde
Principal Engineer
Date: April 6, 2021