

Operation description & Changes as per C2PC

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1 Introduction

This document illustrates the operation of CMM and changes in Wi-Fi implementation in CMM from

Red pine module 'RS9110-N-11-03' in Evaluation board.

2 Product function and intended use

Code Management Module is an accessory to the LP20/20e Device. It is intended to address the enhancement needs of the LP20/20e Device by providing wireless connectivity, Capnography, and post procedure interface to the True CPR device. The wireless connectivity and Capnography features will be integrated into the CMM.

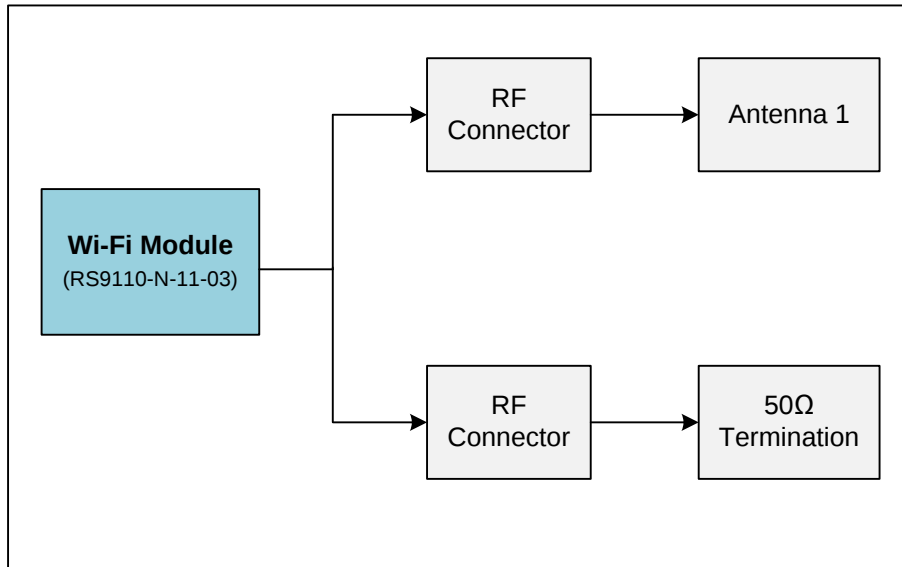
3 Operational description of CMM

1. Communicate with the LDA over a RS-232 serial interface.
2. Extract patient data from the LP20/20e Device over a RS-232 serial interface
3. Provide CO₂ data to the LP20/20e Device during procedure.
4. Extract Post-event data from the True CPR Device via the USB interface
5. Send the patient data, post event data, event log, etc. to the LIFENET Server Using the Wi-Fi Interface.

4 Implementation Changes as per C2PC.

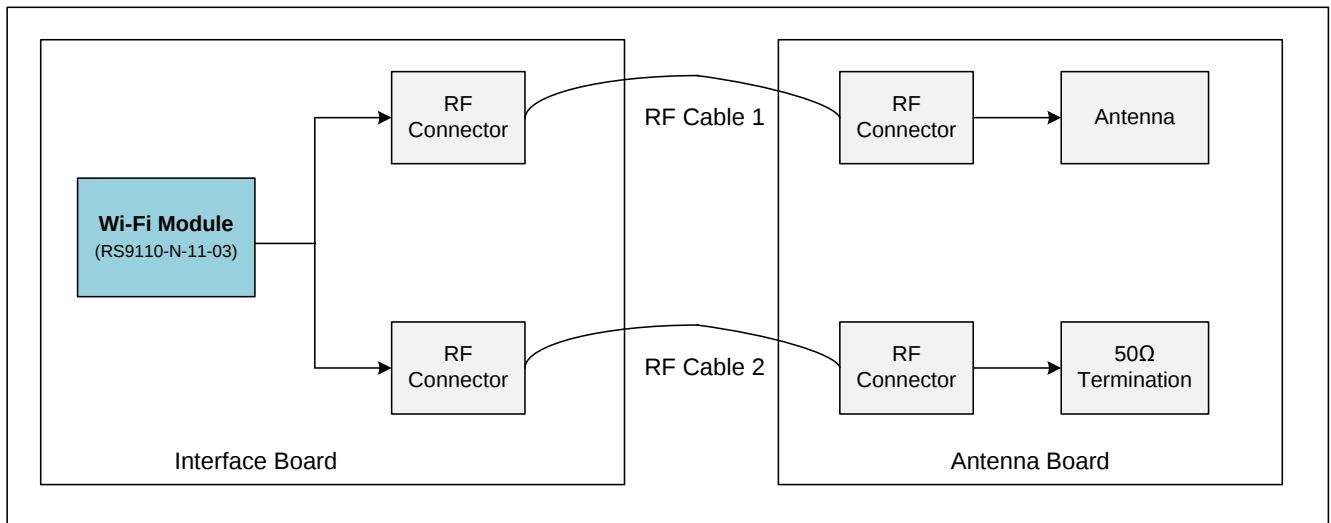
4.1 Implementation in Eval Board

WIFI Evaluation Board

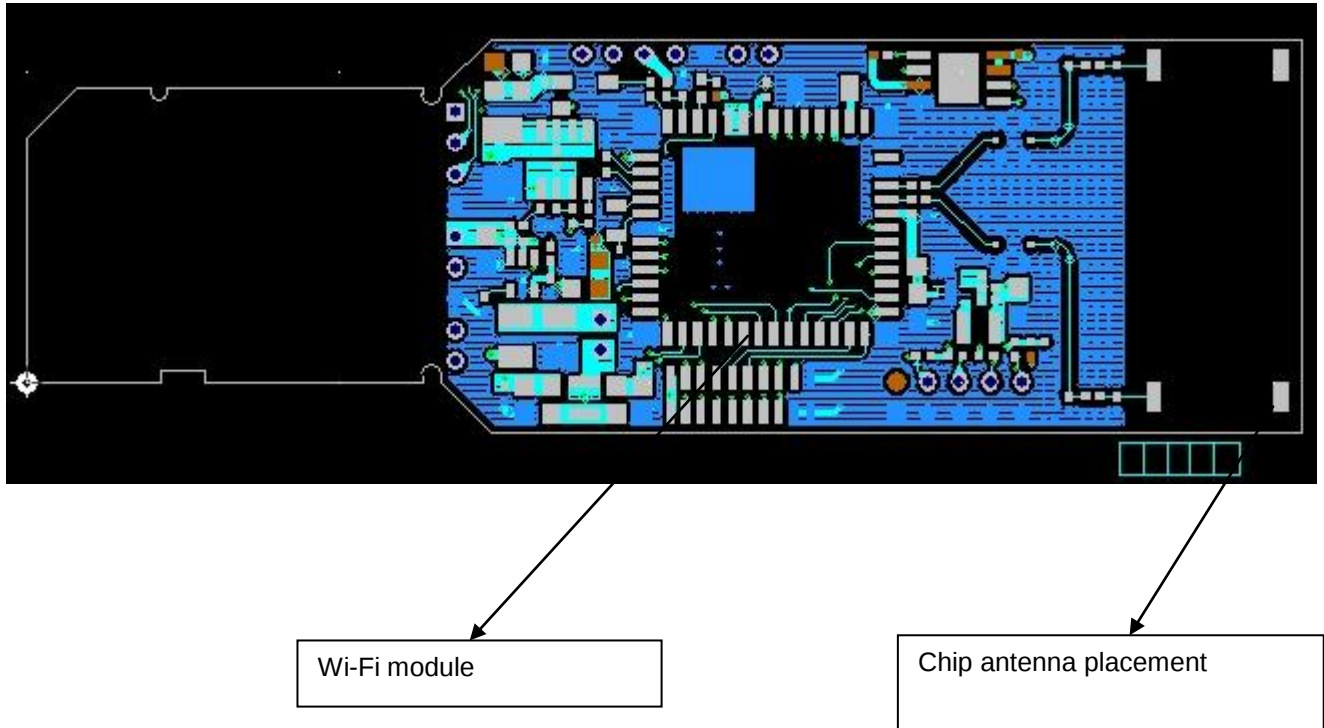


4.2 Implementation in CMM

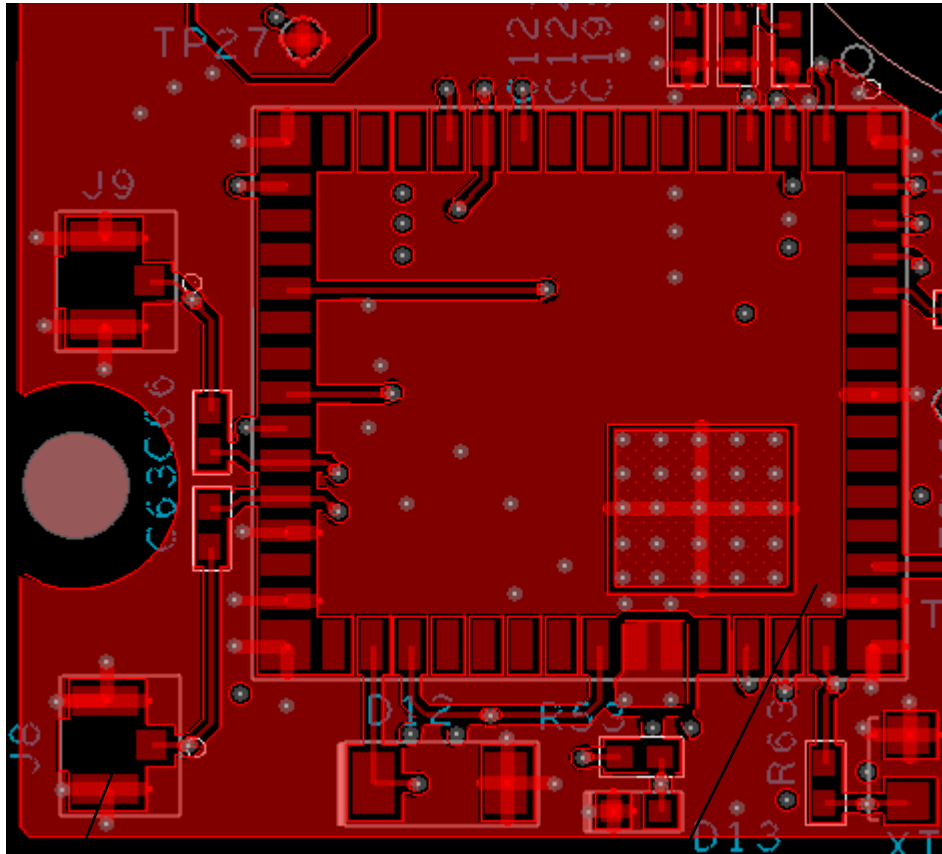
Extension Module Assembly (EMA)



4.3 Evaluation Module- Wi-Fi module and Antenna placement



4.4 CMM- Interface board – Wi-Fi module and antenna placement

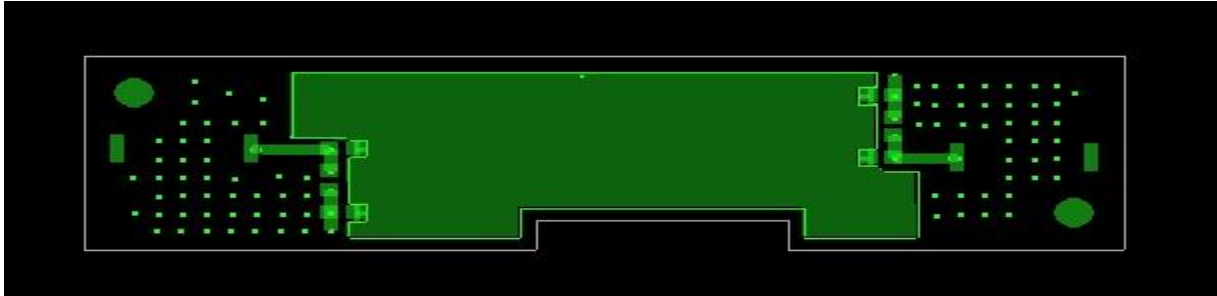


RF connector placement for
Connecting Antenna board

Wi-Fi module

4.5 CMM-Antenna Board and antenna placement

4.5.1 Top layer-



4.5.2 Bottom layer-



4.5.3 Component layer -Top

