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## **SPEAC™ Detection Device**

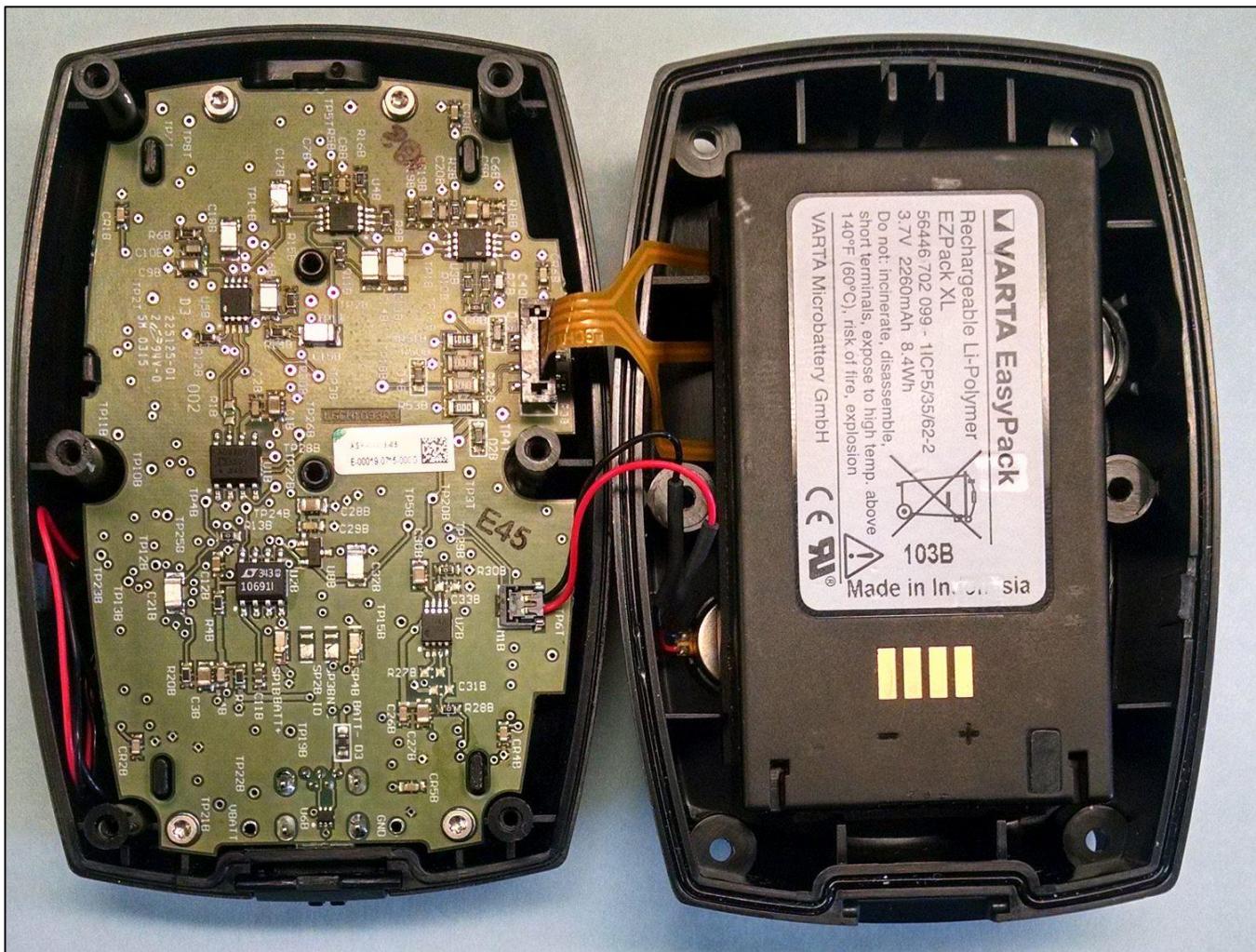
### **Internal Photographs**

<b>Authored By:</b> N/A	<b>Signature:</b>	<b>Date:</b>
<b>Reviewed By:</b> N/A	<b>Signature:</b>	<b>Date:</b>
<b>Reviewed By:</b> N/A	<b>Signature:</b>	<b>Date:</b>
<b>Approved By:</b> N/A	<b>Signature:</b>	<b>Date:</b>

<b>Revision History</b>			
<b>Version No.</b>	<b>Effective Date</b>	<b>Author</b>	<b>Description</b>
0.1		James Fox	Initial Release

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## 1 DD Interior Front and Rear



**Figure 1**

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## 2 DD Subassemblies

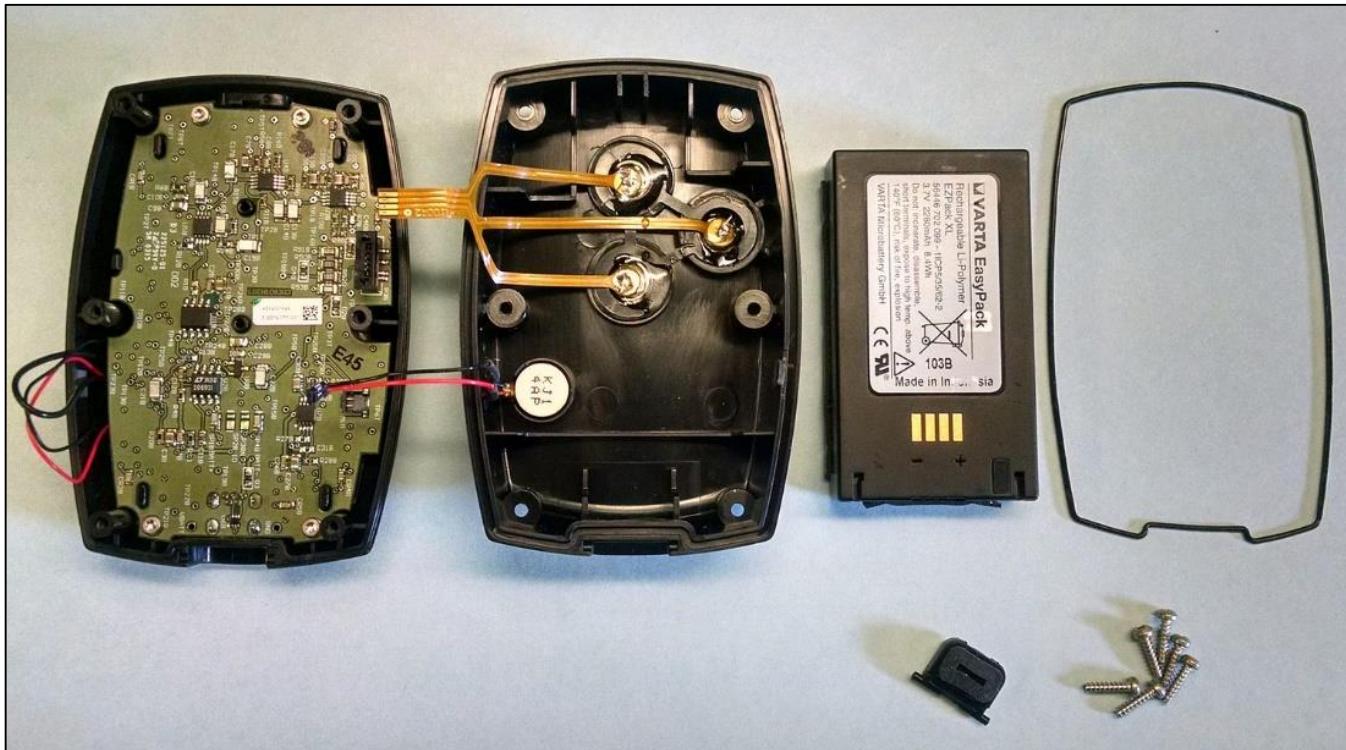
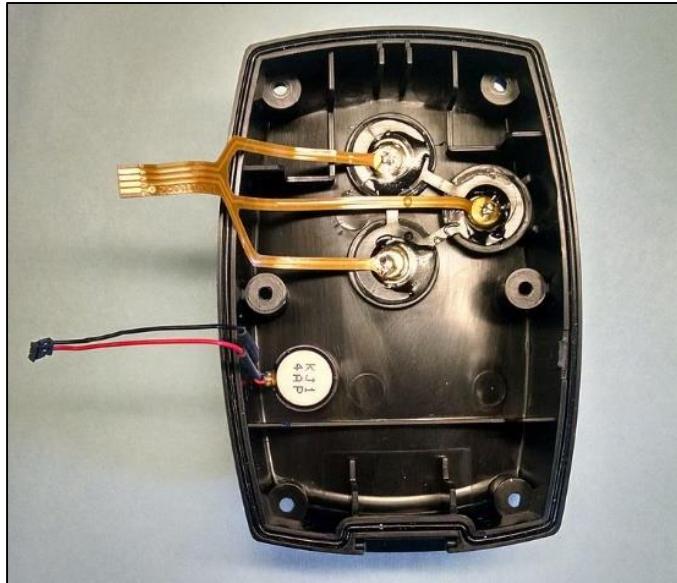


Figure 2

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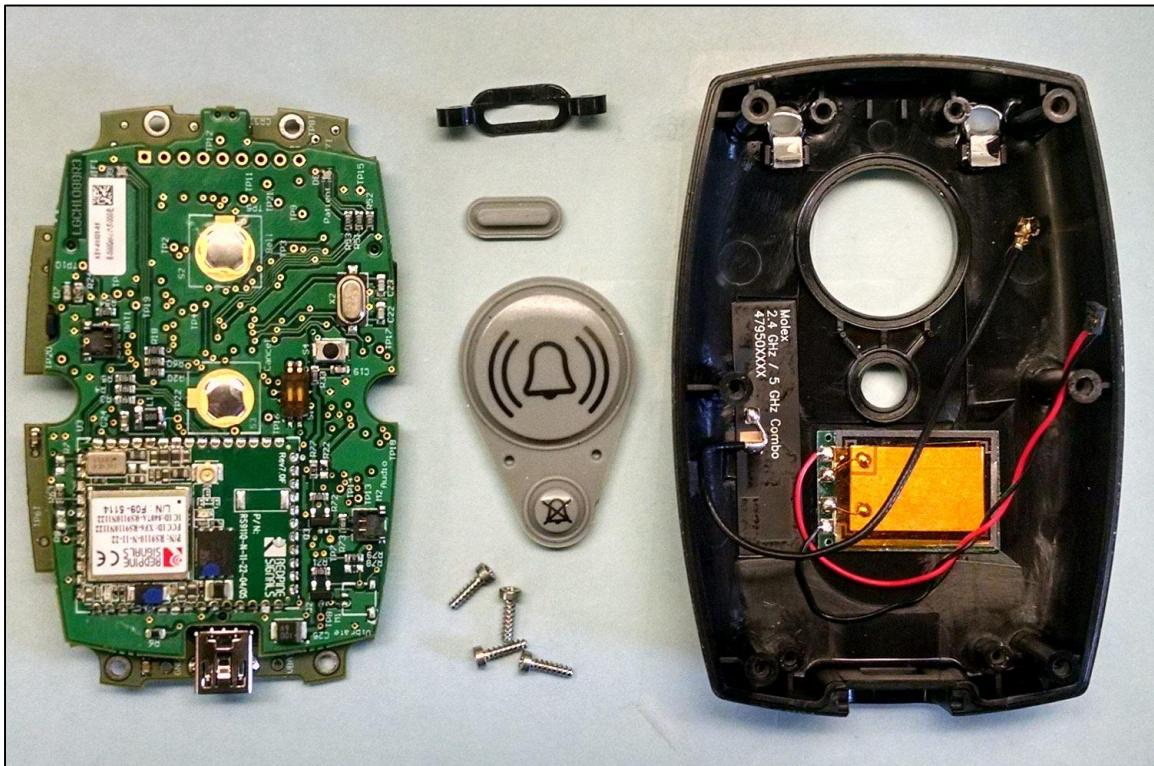
### 3 Rear Case Assembly



**Figure 3**

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### 4 Front Case Subassemblies



**Figure 4**

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### 5 Board Stack Assembly

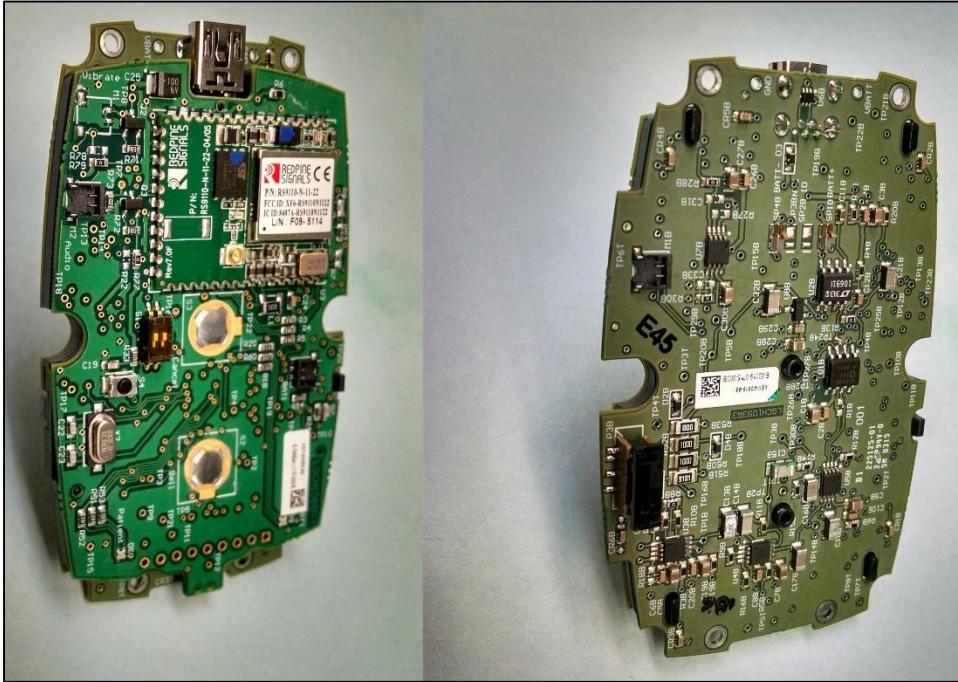
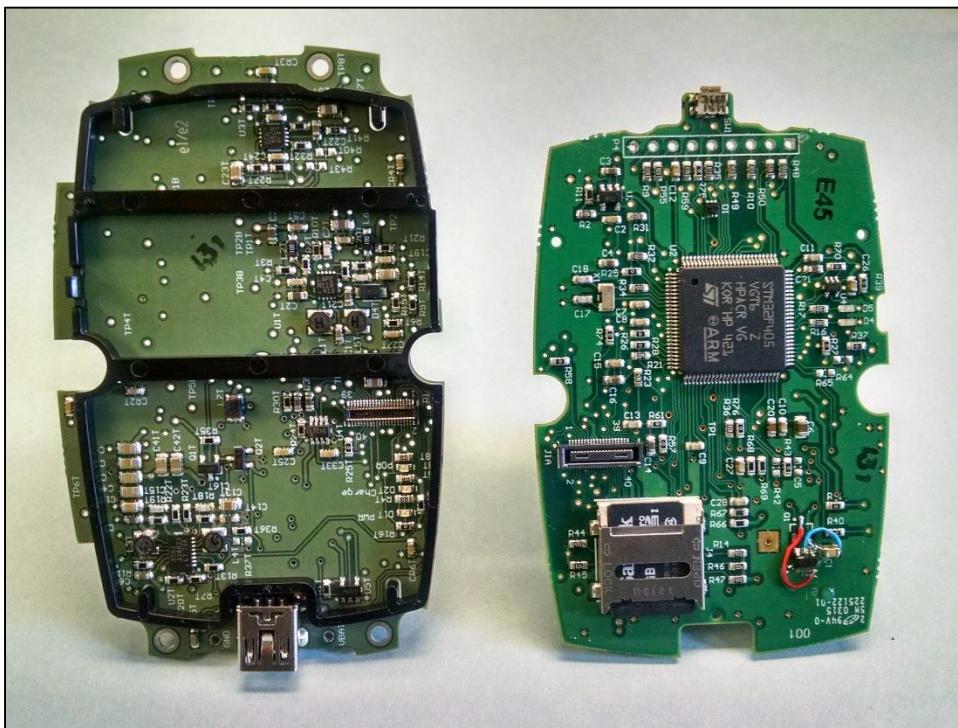


Figure 5

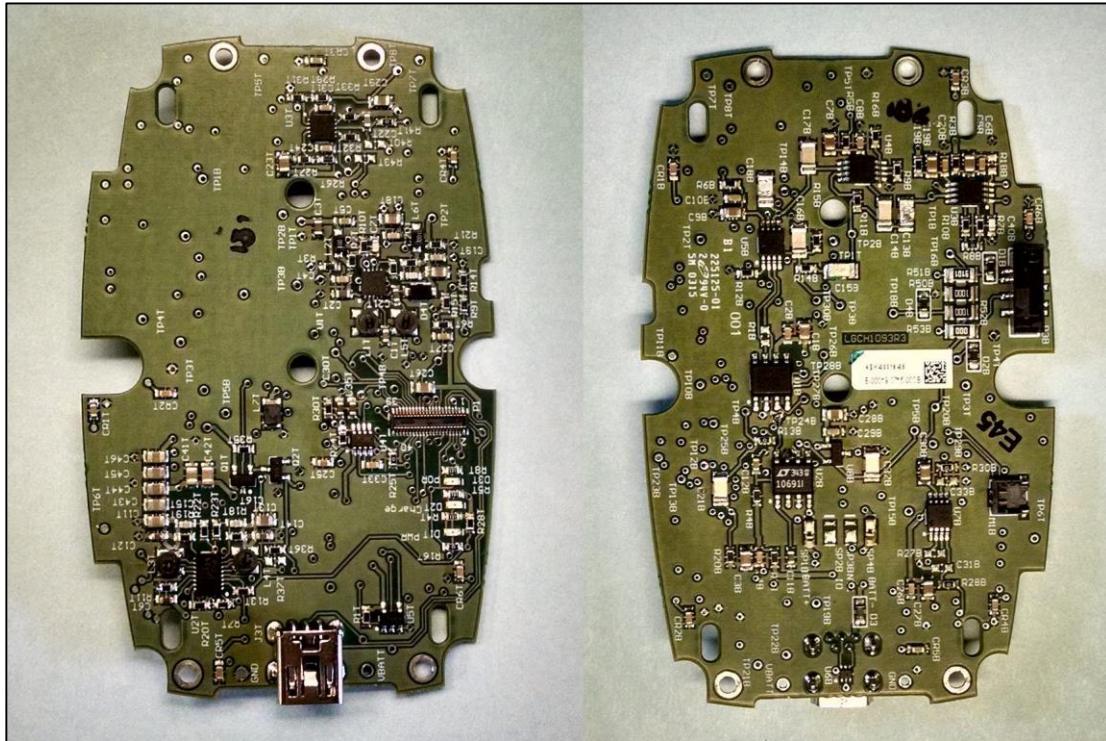
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**Figure 6**

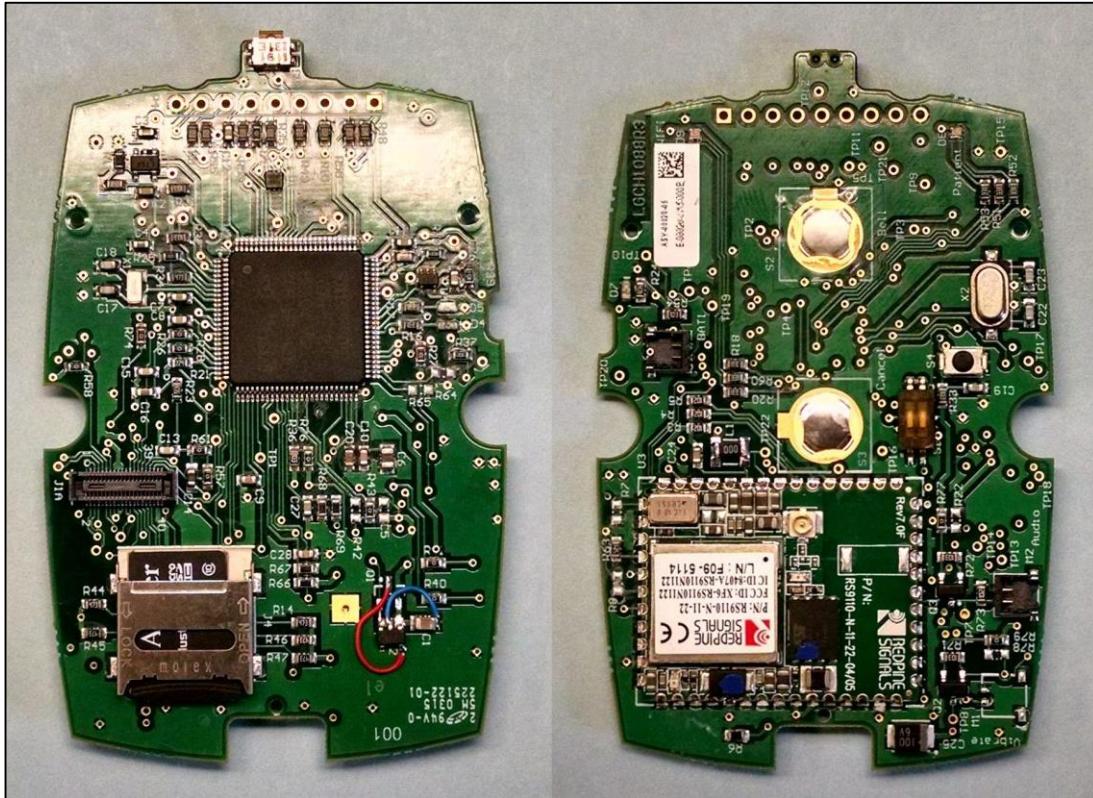
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## 6 EMG PCB Assembly



**Figure 7**

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**7 MCU PCB Assembly****Figure 8**

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### 8 Battery Assembly



**Figure 9**

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## 9 Redpine Module Modifications

### 9.1 RS9110-N-11-22-05 Modifications

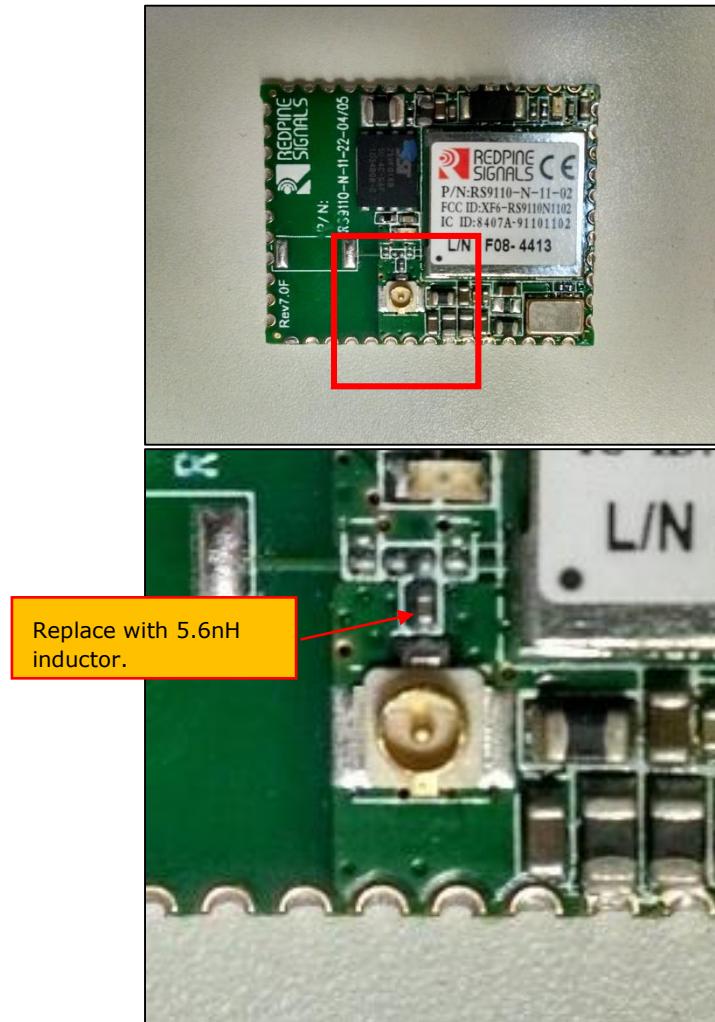


Figure 10

#### 9.1.1 Instructions

- Remove component at location shown in **Error! Reference source not found..**
- Add 5.6nH inductor (Johanson Technology PN = L-05B5N6SV6) at location shown in **Error! Reference source not found..Error! Reference source not found.**