FCC ID: PFJCLNFIA15001
IC ID: 909C-CLNFIA15000
CT Project: P1310002

From: Chris Harvey – Technical Reviewer
Date: 10/14/13

1. Please provide antenna specification exhibit which includes antenna gains along associated frequencies and highlighted the peak gain of the antenna.

CT - Corrected

2. Please provide the photos with RF shield uncovered and indicate the actual antenna location on the circuit board in “External and Internal Photos” exhibit.

CT - Corrected

3. In “Test Setup Photo” exhibit, the actual tested device was not visible due to enclosure. Please show open view of device with the external enclose

CT – The Manufacturer provided case is necessary for safety during testing. The protective case will be installed in final operation and it is felt the provided pictures adequately show the test setup.

4. Please state the operational frequency ranges in “Block Diagram” exhibits.

CT - Corrected

5. The 2.4GHz Zigbee radio function was not clearly described in “Theory of Operation” exhibit, for instance, operational frequencies/Range, the types of modulations, channelization, transmit powers with power tolerances, and so forth. Please provide details.

CT - Corrected

6. At the page 4 of “Schematic” exhibit shows “Ext Antenna (SMA)” on the drawing. Please verify whether is existed on the device. If it is correct, please indicate the “Ext Antenna (SMA)” on the photo exhibit. Or, provide right schematic diagram if it is incorrect.

CT - Corrected

7. Please draw “Specification limit” lines on the graphs from the pages 11 to 20 in “Test Report”.

CT – “Specification limit” lines are not required. Data is reported in tabular form and associated plots are for reference only.

Response by: Alex Macon

Submitted by: Jennifer Sanchez

Date: 11/1/13