

Nov 19, 2018

Purpose of Change --base

Dear Sir/Madam:

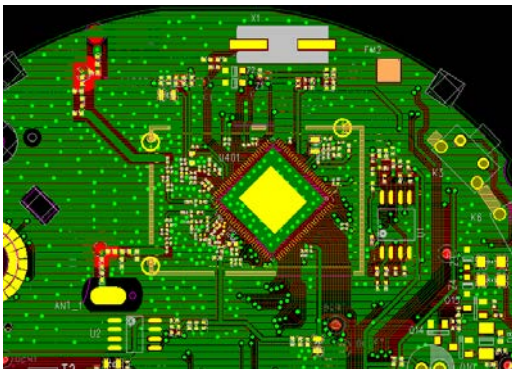
Re: Application for a Permissive Change Filing with FCC ID: EW780-0348-00

The purpose of this document is to describe all the changes that are made on **Base Unit** to the new designed family models **VH6220 BS** from the original model **VH6210 BS** in order to meet the requirements.

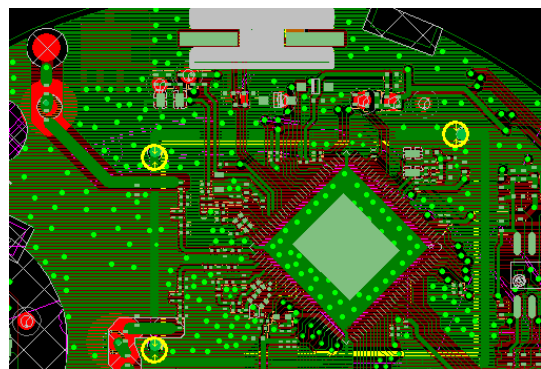
Changes of Base unit from reference model to the new designed model:

- **RF matching circuit and layout outside RF module**
- **Antenna and location**
 - Ant 0** - changed from “co-linear cable” to “co-axial wire+ metal plate” construction.
 - Location is changed from lower enclosure to upper enclosure.
 - Ant 1** - length is increased some and location is No Change
- **Non-RF circuit and layout**
- **External appearance**

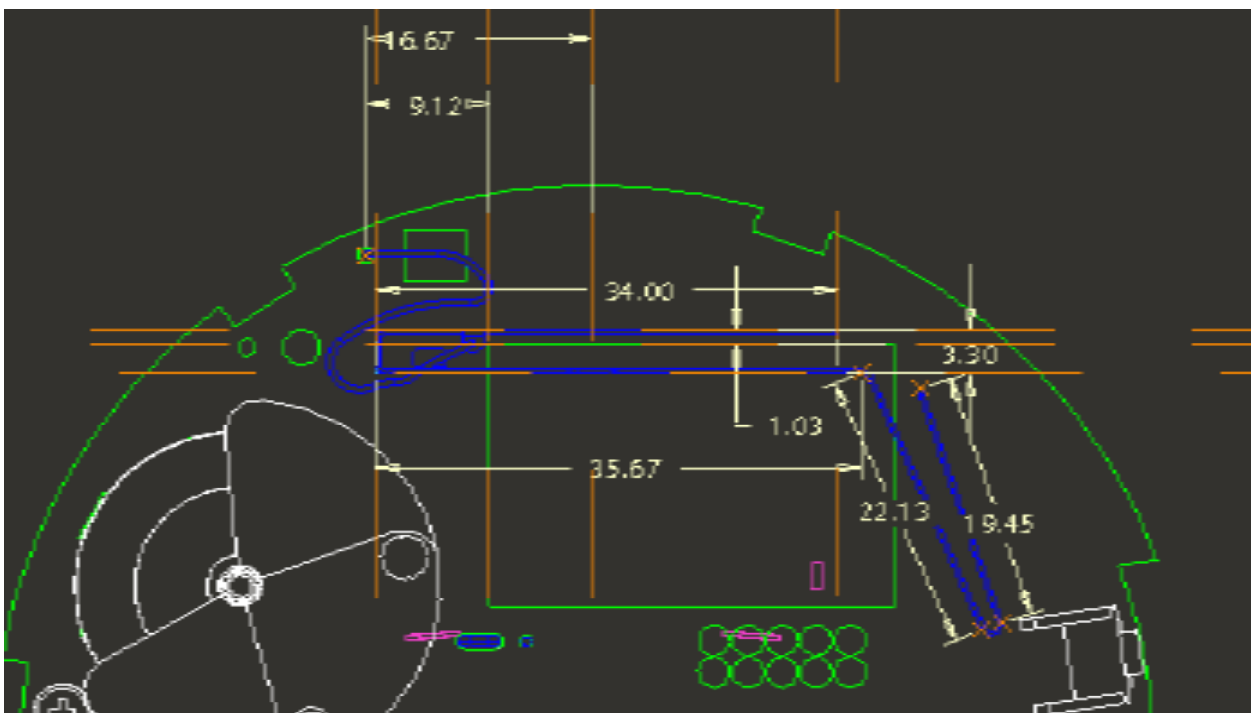
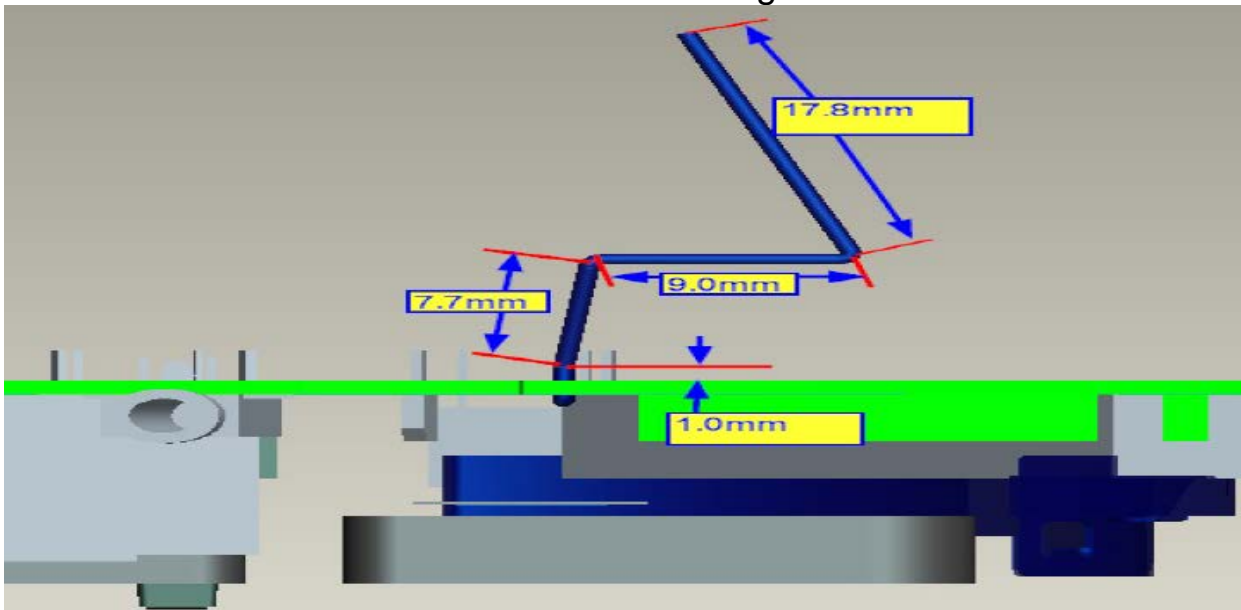
VH6210 BS Mainboard layout



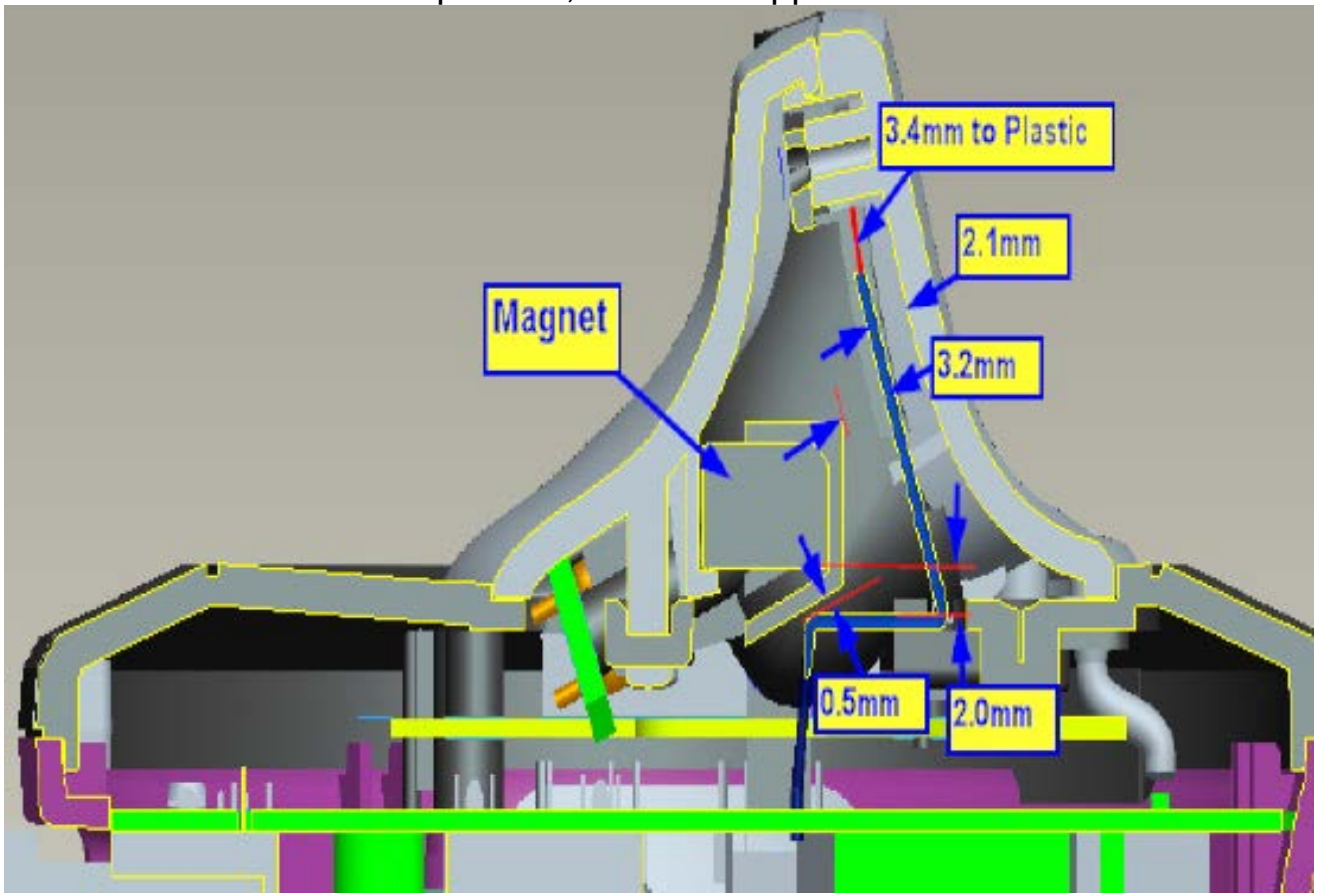
VH6220 BS Mainboard layout



Ant 0: new Base Antenna dimensional drawing



Ant 0: new Base Antenna position, moved to upper enclosure



Similarities of Base Unit between the original model to the new designed model:

- RF module's IC/circuit/layout are identical
- Ant 0 - Same Antenna Gain
Ant 1 – same Antenna type and Antenna Gain except antenna length is increased some.
- No change in radio parameters has occurred.
- RF conducted and radiated emission level is similar.

Sincerely,

Michael Tsui
Approbation Supervisor