

**November 2, 2013**

**Purpose of Change**

Dear Sir/Madam:

**Re: Application for a Permissive Change Filing with  
FCC ID: VLJ80-8160-01  
IC: 4522A-80816001**

The purpose of this document is to describe all the changes that are made on **BASE Unit** to the new designed family models **L70XM** from the original model **L70X** in order to meet the requirements.

**Changes of Base Unit from the original model to the new designed model:**

**Old design**



**New design**



- The model no. of RF IC changed to DE19RF19ZCNC from DE19RF19ZANC
- The ratings of some RF components are changed (Add: C409 & C401:15pF / C419 & C406 from 2pF to NC / C423 from NC to 47R); and L404 & L403 location is rotated/minor changed on RF PCB,
- The Base change for meet CEC requirement.
  1. UG2 change to BL8022 from BL1117
  2. Add D5,C81,C93,C96,R70,L13,R11,R14,C110,C114
  3. Delete DG6,CG107

The Base change to use Adaptor (TenPao: S003IU0600040) for meet CEC requirement.

- Charger Part is added current Limited circuit for meet CEC requirement.

**Similarities of Base Unit between the original model and the new designed model:**

- The new chip component is pin-for-pin compatible
- The new chip is equivalent the old chip except the ESD performance in new chip, only modify external circuit to improve RF matching, ie. RF PCB layout is only minor changed.
- No change in radio parameters has occurred.
- Software and EEPROM setting are the same and Support CEC.
- The same Baseband IC is used
- Though some components are simplified due to cost reduction, the function and performance keeps the same as the original design.
- The line interface performance is the same
- RF conducted and radiated emission level is similar.
- The product outlook, antenna position and type are kept the same.

Sincerely,



**Karl Heinz Mueller**  
Chief Technical Officer