

## November 2, 2013

# Purpose of Change

Dear Sir/Madam:

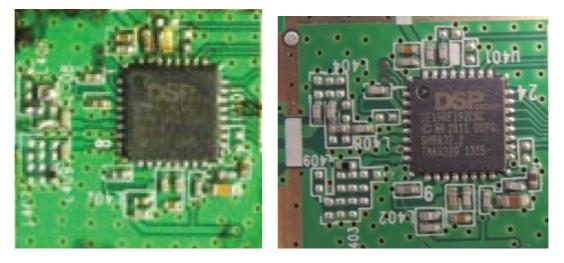
#### Re: Application for a Permissive Change Filing with FCC ID: VLJ80-8160-01 IC: 4522A-80816001

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