

## Test Procedure

- 1:Base Board Jumper Adjustment
- 2:Connect USB device USB Host Port
- 3:Insert SD Card to SD Slot
- 4:Connect Speaker to audio DAC HEADPHONE OUTPUT
- 5:Connect K20 JTAG Port with J-Link which connect to PC
- 6:Connect OpenSDA mini USB to PC

## Test Equipment

J-Link Lite: Download K20 firmware

PC with Win7

USB device

SD Card, FAT FS,

Speaker

Mobile Device with Bluetooth/BLE

 Manual  
 Auto

Download K20 CMSIS firmware through J-Link Script, now a CMSIS UMASS device will appear at PC side

Copy test image to CMSIS UMASS & Reset

### Run Test Image

ACC/Temp Humidity Sensor Identify

K22 USB Mode as Host  
Any USB device identify

SD Card with FAT FS identify

Check LCD OUTPUT  
Check "OK" string whether shown on LCD

BLE EM chip identify by mobile device  
with BLE support

BT RDA chip identify and A2DP connection  
by mobile device  
with Bluetooth support  
Music play & listen sound through speaker

Copy WIFI Demo Image to CMSIS UMASS

