

CHANGE NOTE

Project Name	DH35
Base Model	LM-K510BMW, LMK510BMW, K510BMW
Variant Model	LM-K510EMW, LMK510EMW, K510EMW
HW Version	Rev.1.0
Issue Date	

LM-K510EMW, LMK510EMW, K510EMW

These model names are only written differences, are the same model, there is no difference

Product Change Description

1. Base Model information

- Model name: LMK510BMW
- FCC ID: ZNFK510HM
- Supported Band : ZNFK510EMW
GSM850/900/1800/1900,
WCDMA FDD B1/B2/B4/B5/B8,
LTE B1/B2/B3/B4/B5/B7/B8/B12/B13/B17/B28/B38/B40/B66 ,
2.4 GHz Wi-Fi, 2.4GHz BT
- Capability: Hotspot/VoIP, GPRS/EDGE Class12, Wi-Fi 2.4 GHz(b/g/n), BT 5.0, Wi-Fi Direct support
- Nominal Target Power: GSM850/900 : 33dBm, GSM 1800/1900 : 30dBm,
WCDMA B1/B5/B8: 24dBm WCDMA B2/B4: 23.5dBm
LTE B1/B3/B5/B8/B12/B13/B17/B28: 24dBm LTE B2/B4/B66 : 23.5dBm LTE B7/B38/B40: 23dBm

2. Variant Model information

- Model name: LMK510EMW
- FCC ID:
- Supported Band :
GSM850/900/1800/1900,
WCDMA FDD B1/B2/B5/B8,
LTE B1/B3/B7/B8/B20/B28/B38 ,
2.4 GHz Wi-Fi, 2.4GHz BT
- Capability: Hotspot/VoIP, GPRS/EDGE Class12, Wi-Fi 2.4 GHz(b/g/n), BT 5.0 , Wi-Fi Direct support
- Nominal Target Power: GSM850/900 : 33dBm, GSM 1800/1900 : 30dBm,
WCDMA B1/B5/B8: 24dBm WCDMA B2: 23.5dBm
LTE B1/B3/B8/B20/B28: 24dBm LTE B7/B38 : 23dBm

3. Details

HW difference

- Remove Band4(66)/12(17)/40,DNI the related component without PCB change;
- Band20 Tx & PRx uses Band13 HW path and DRx uses Band8 DRx HW path
- Band8 DRx uses Band12 DRx HW path
- Add NFC

SW difference

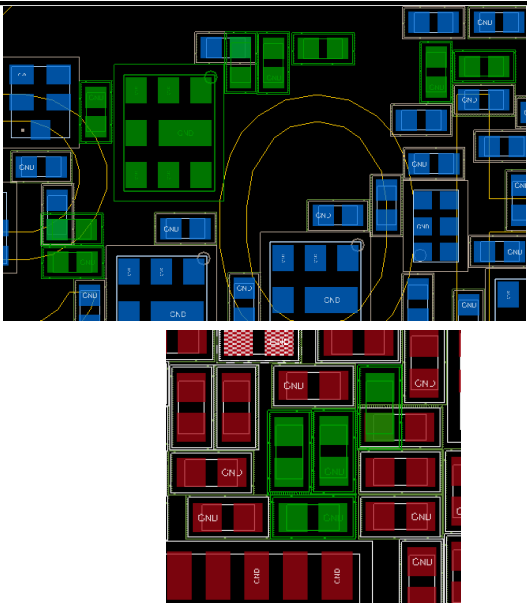
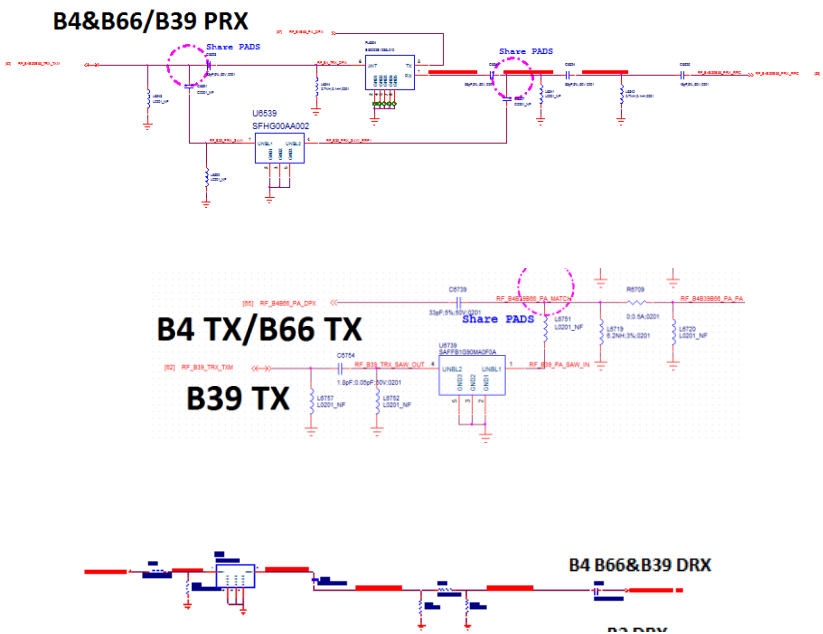
- FM not support
- NFC support

***Please find the change details on next page.**

LGE Internal Use Only

Change Note

Remove1(remove Band4/66)

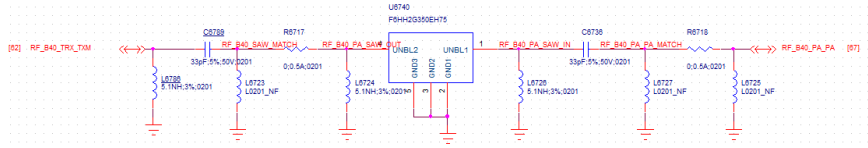


Remove Band4/66 related component(DNI component marked green without PCB change);

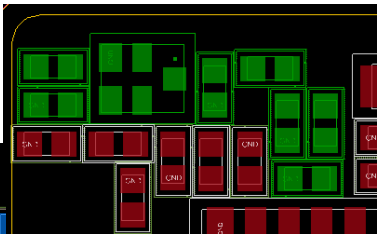
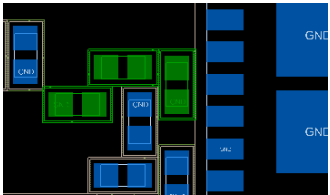
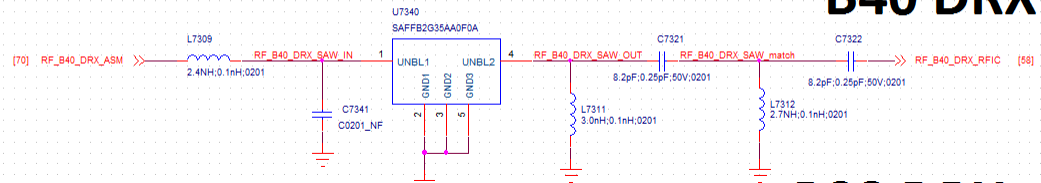
Change Note

Remove2(remove Band40)

B40 TRX



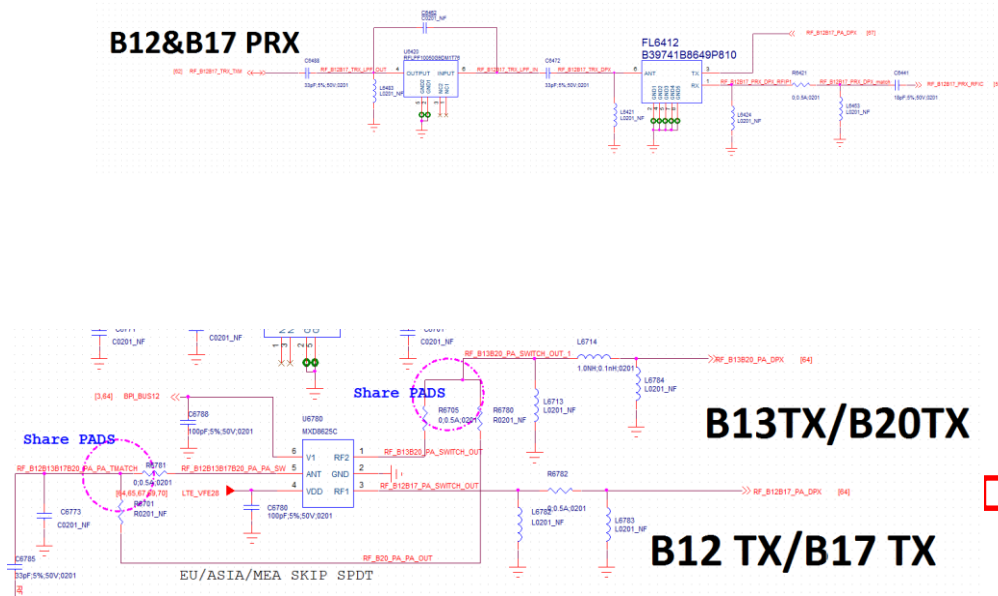
B40 DRX



Remove Band40 related component(DNI component marked green without PCB change);

Change Note

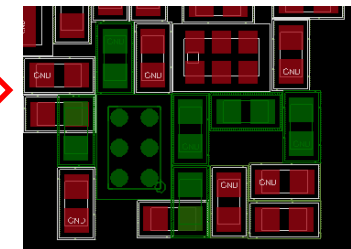
Remove3(remove Band12/17)



duplexer



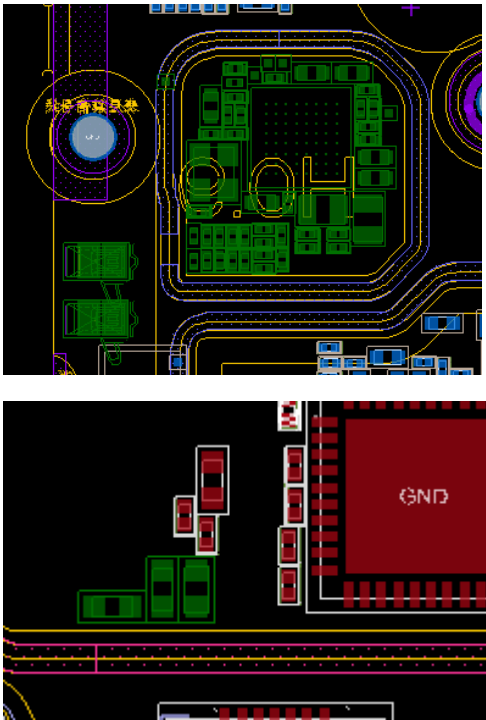
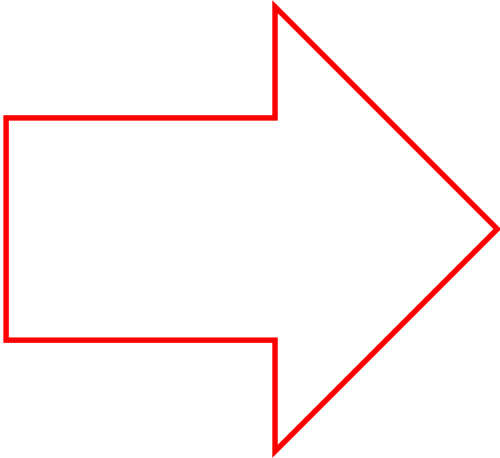
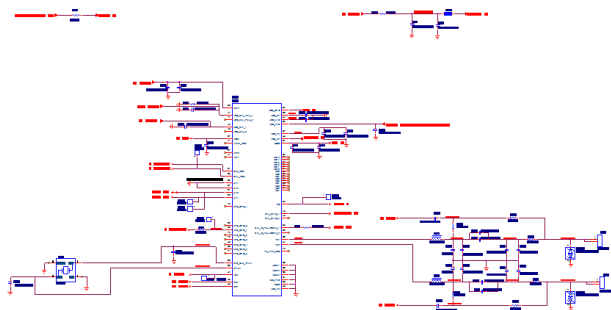
Band12/17 transmit



Remove Band12/17 duplexer related component (DNI component marked green without PCB change);
Remove Band12 transmit related component (DNI component marked green without PCB change).

Change Note

Add1 (add NFC)

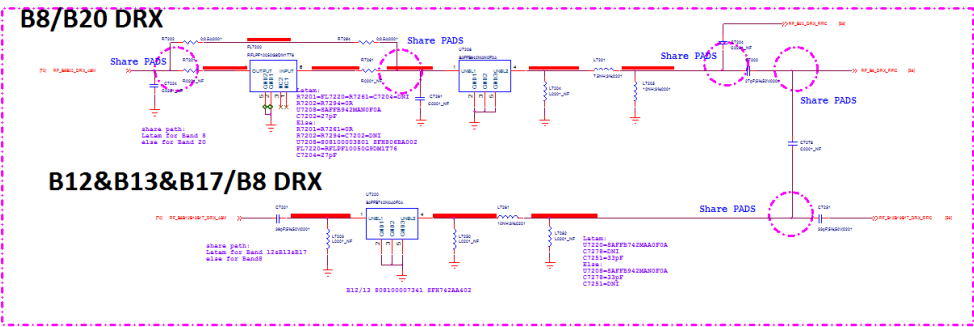


Add NFC related circuit (DNI except shielding in other sku)

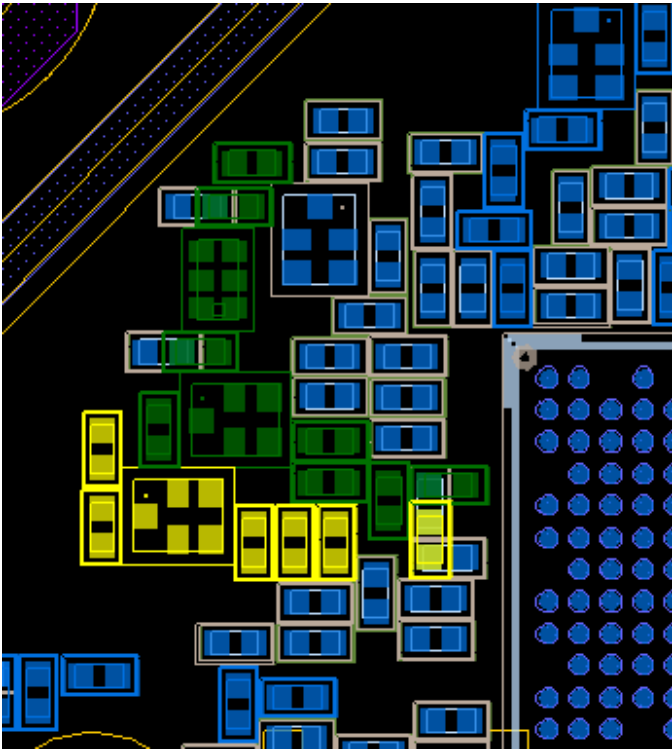
Change Note

Change2(Band8/20 diversity change)

Use Band8 diversity path as Band20 diversity path.



Use Band12/13/17 diversity path as Band8 diversity path.

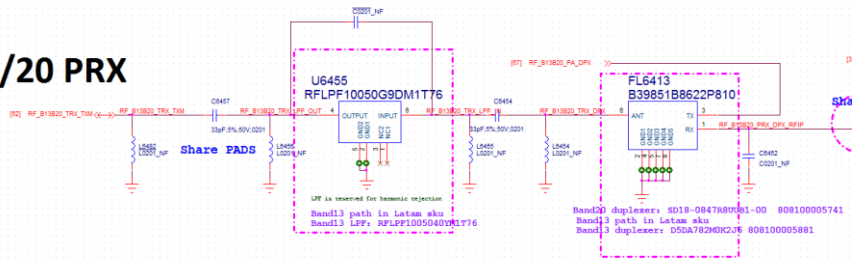


Band8 diversity path changed from green to yellow;
Use diversity path marked green as Band20 diversity path.

Change Note

Change3(Use Band13 as Band20 RF path)

B13/20 PRX



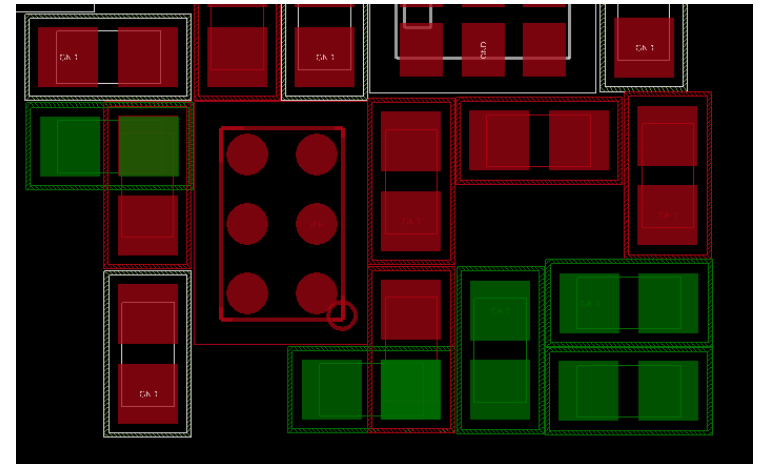
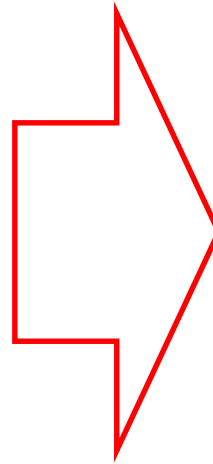
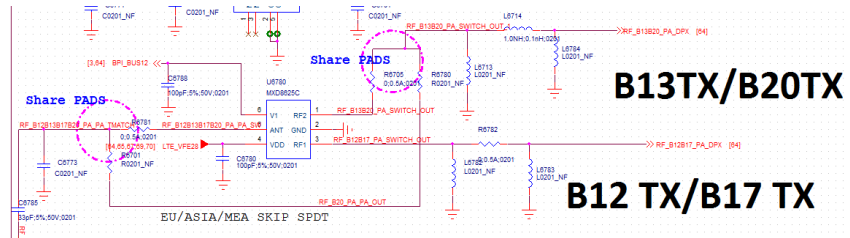
Use Band13 primary path as Band20 primary path.



Component marked green used as Band20 primary path.

Change Note

Change4(Use Band13 PA output path as Band20 PA output path)



Use Band13 PA(power amplifier) output path as Band20 PA(power amplifier) output path(marked green)