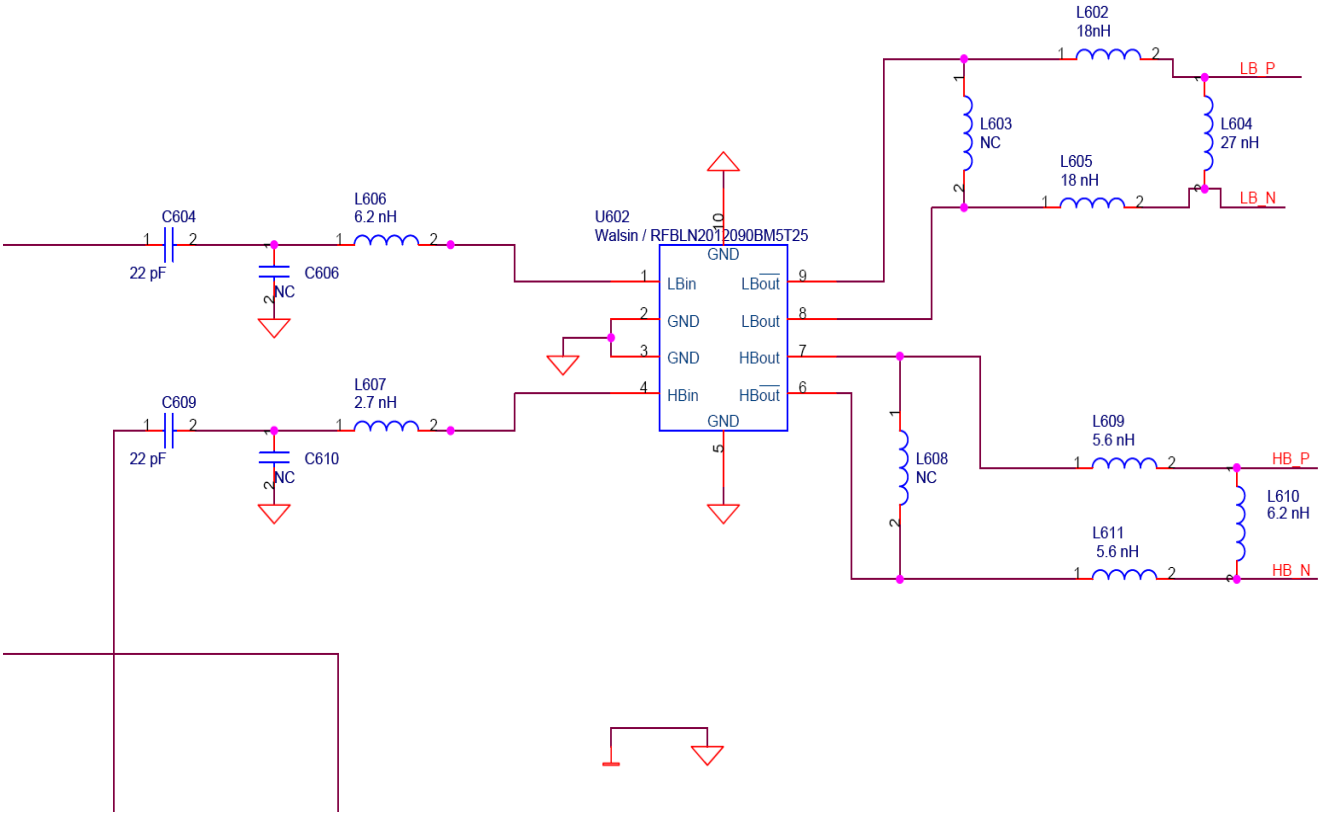
1 RX antenna switch Circuit

The aerial signal mobile phone received goes from antenna to RF Connector 。RF Connector, which is a special parts developed for RF test. By connecting RF cable to spectrum analyzer, you can measure RF signal.

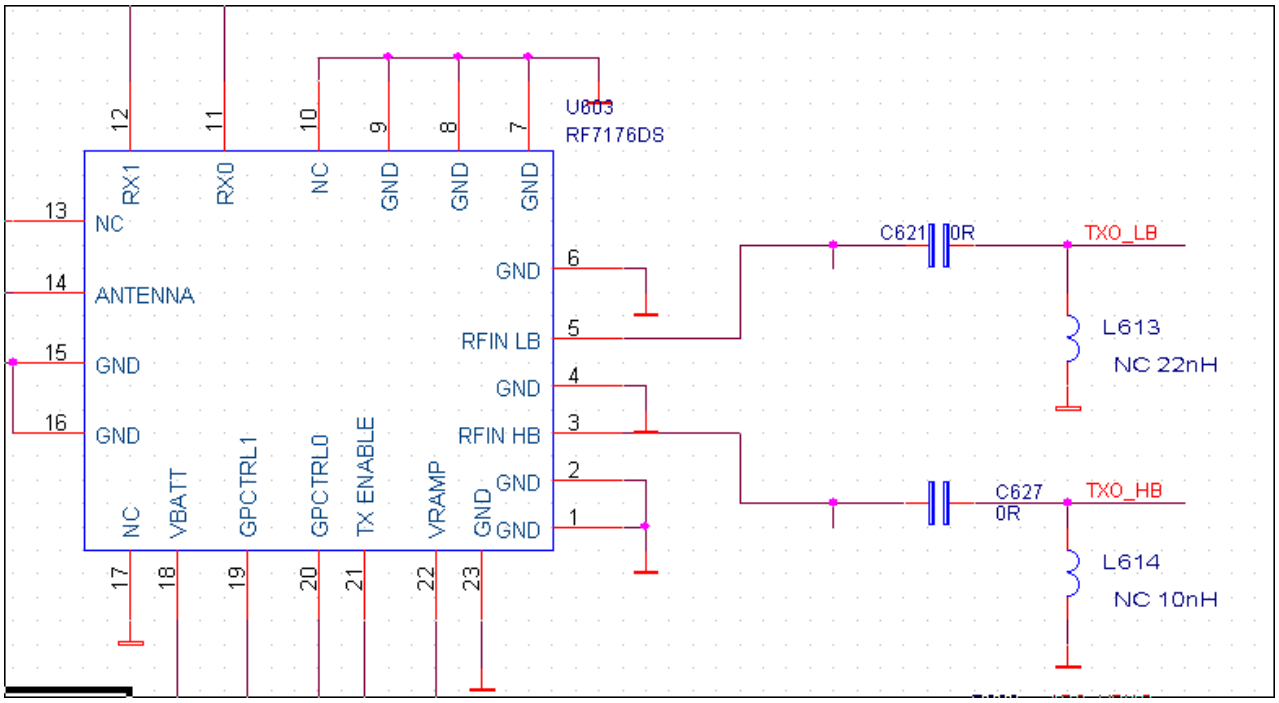
Signal output from RF Connector will be input to the Dual band front-end moduleU603 (RF7176DS). The module has two RX ports for GSM850/EGSM900 and DCS1800/PCS1900 bands of operation. The two RX ports are symmetrical; they can be used either as GSM850/EGSM900 and DCS1800/PCS1900 bands of operation. To control the mode of operation, there are three logic control signals: TX Enable, GpCtrl0, and GpCtrl1.

RX SAW Filter Circuit

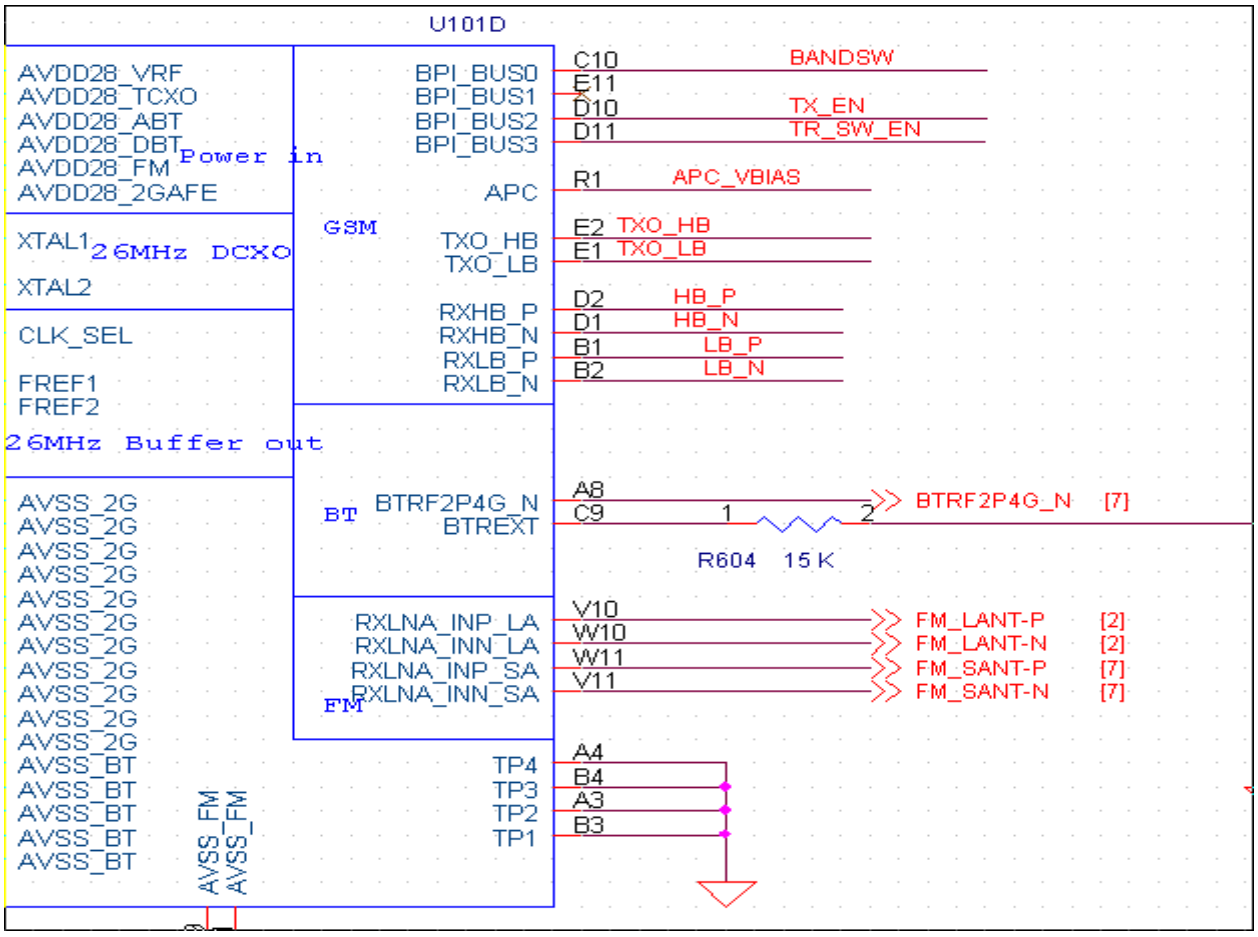


The RX signal output from RF SW, then input SAW filter .changed two difference signals in SAW filter, then input the CPU U101.

2 TX transceiver Circuit

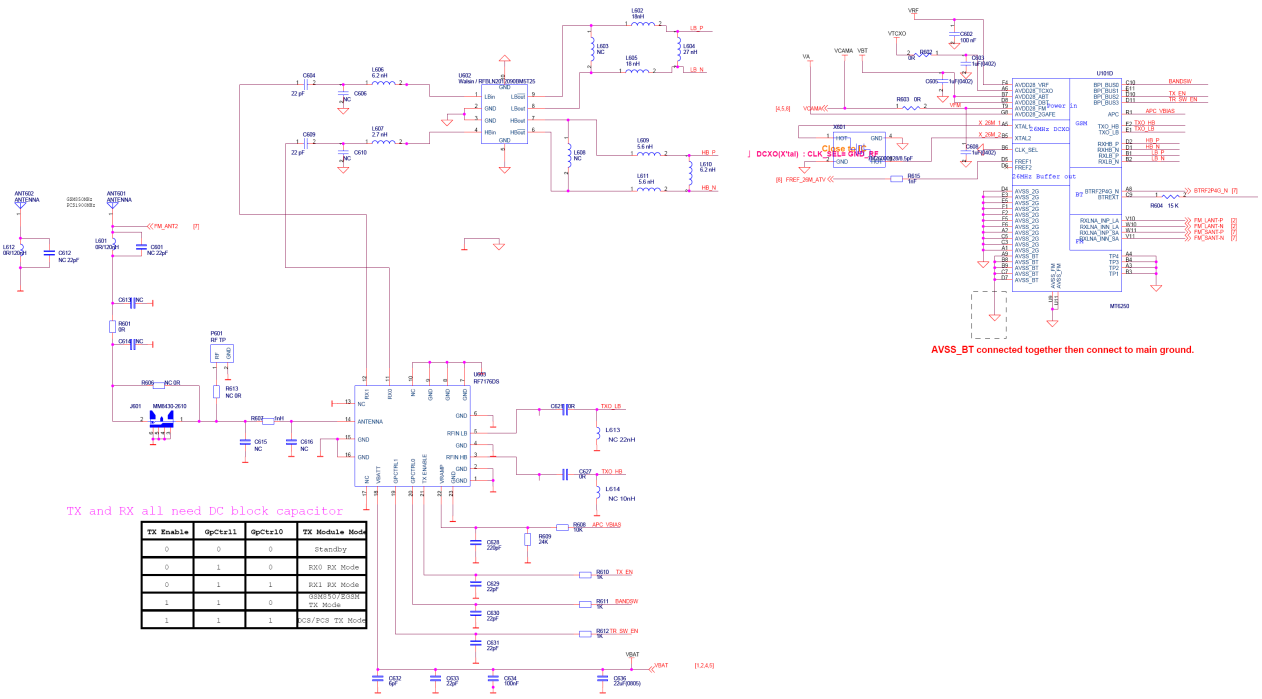


RFPA 3,5 pin connected to the CPU 101 of the E2, E1 pin



The RF overall schematic as up. It contains the TX path and RX path. The signal received from the air will be demodulated in CPU through RX SAW and Transceiver, Then the original voice signal will driver the

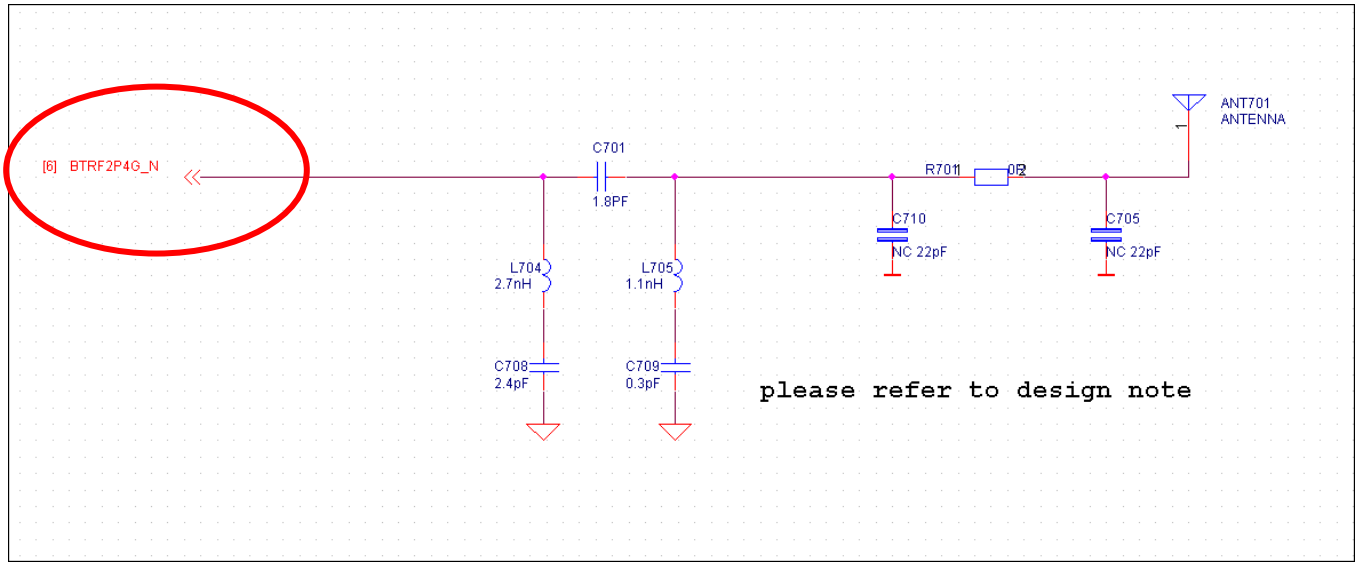
receiver. At the same time the signal from microphone will be sent to transceiver through CPU, then be amplified by F PA, at last sent to air from the antenna switch.

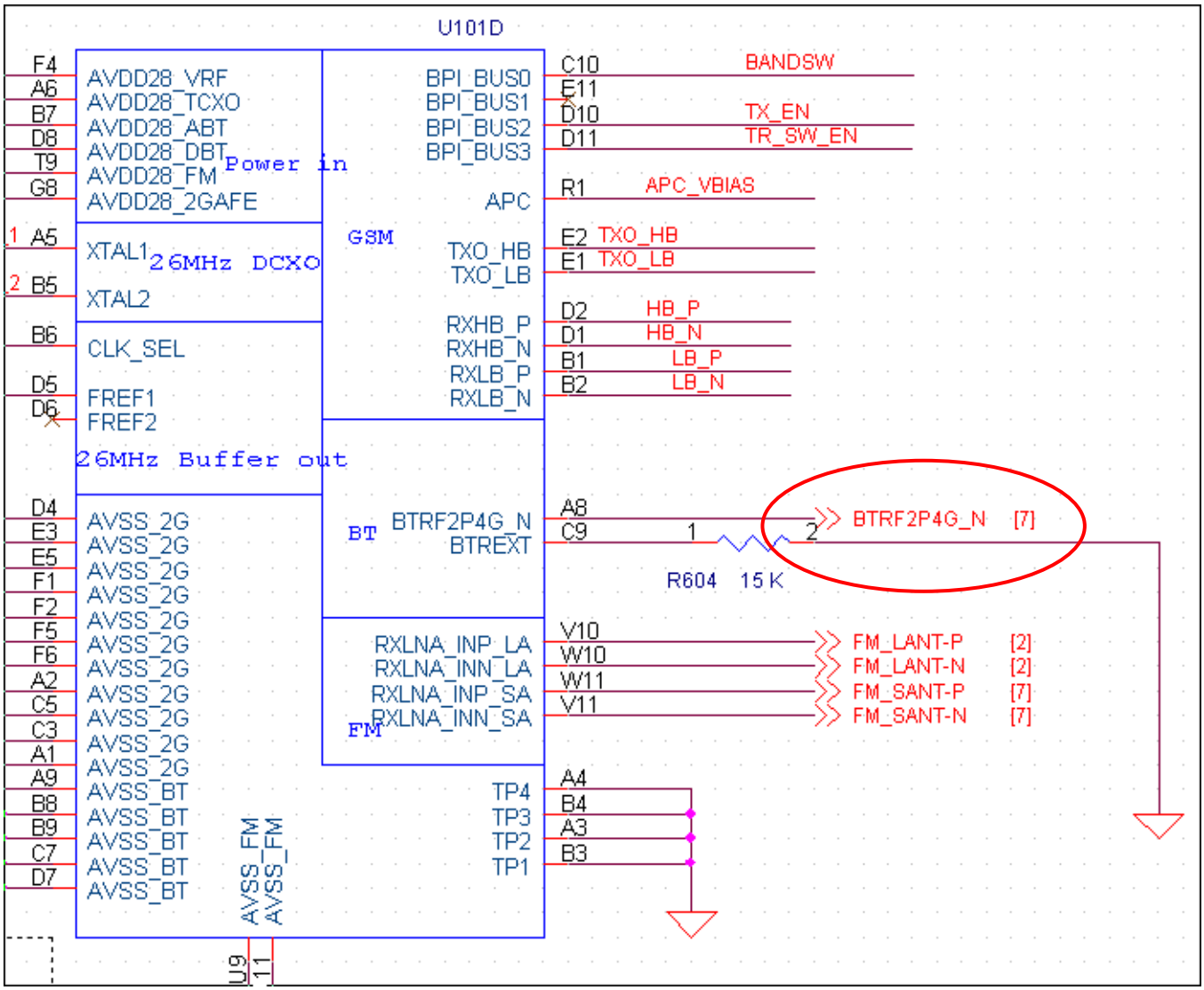


TX Enable	GpCtrl1	GpCtrl0	TX Module Mode
0	0	0	Standby
0	1	0	RX0 RX Mode
0	1	1	RX1 RX Mode
1	1	0	GSM850/EGSM TX Mode
1	1	1	DCS/PCS TX Mode

3 Bluetooth Circuit

MT6250 offers a highly integrated Bluetooth radio and baseband processor. Only a minimum of external components are required.




U101D
F4
A6
B7
D8
T9
G8
AVDD28_VRF
AVDD28_TCXO
AVDD28_ABT
AVDD28_DBT
AVDD28_FM
AVDD28_2GAFE
Power in
1 A5
XTAL1
26MHz DCXO
2 B5
XTAL2
B6
CLK_SEL
D5
FREF1
D6
FREF2
26MHz Buffer out
D4
E3
E5
F1
F2
F5
F6
A2
C5
C3
A1
A9
B8
B9
C7
D7
AVSS_2G
AVSS_BT
AVSS_FM
AVSS_FM
U9
11
GSM
BPI_BUS0
BPI_BUS1
BPI_BUS2
BPI_BUS3
APC
TXO_HB
TXO_LB
RXHB_P
RXHB_N
RXLB_P
RXLB_N
BT
BTRF2P4G_N
BTREXT
FM
RXLNA_INP_LA
RXLNA_INN_LA
RXLNA_INP_SA
RXLNA_INN_SA
TP4
TP3
TP2
TP1
C10
E11
D10
D11
R1
E2
E1
D2
D1
B1
B2
A8
C9
V10
W10
W11
V11
A4
B4
A3
B3
BANDSW
TX_EN
TR_SW_EN
APC_VBIAS
TXO_HB
TXO_LB
HB_P
HB_N
LB_P
LB_N
1
2
R604 15K
BTRF2P4G_N [7]
FM_LANT-P [2]
FM_LANT-N [2]
FM_SANT-P [7]
FM_SANT-N [7]