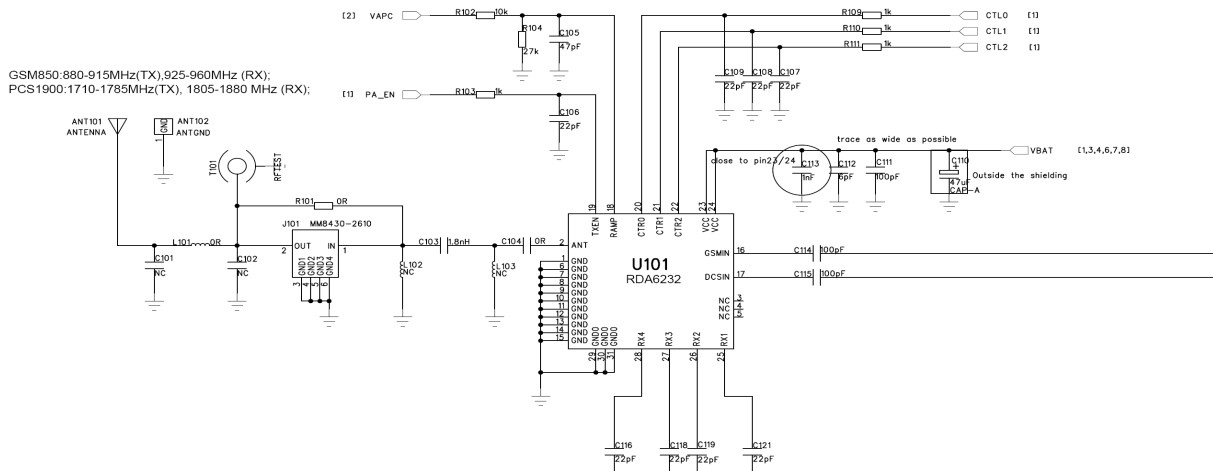


1. RX antenna switch SCH (Refer to SCH page1)



The aerial signal mobile phone received goes from antenna to RF Connector.

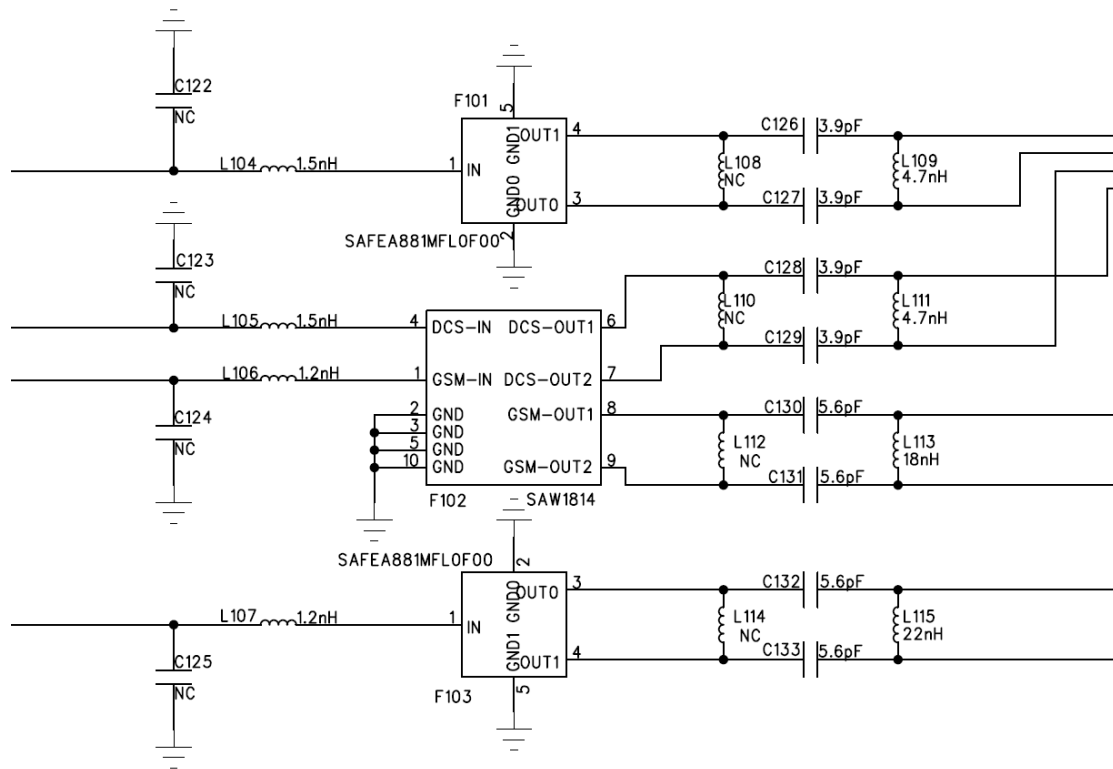
RF Connector, which is a special parts developed for RF test. By connecting RF cable to spectrum analyzer, you can measure RF signal.

Signal output from RF Connector will be input to GSM Qual band front-end module U101

The RF PA is a high-power, high-efficiency quad-band front-end Module. This device is designed for GSM850, EGSM900, DCS1800, PCS1900 handheld digital cellular equipment. The module consists of qual band power amplifiers and qual band antenna switch. CPU output CTL0, CTL1, CTL2 and TX_ENABLE signals, which will be in charge of GSM Qual band front-end module U101 in relative Band (GSM850, GSM900, DCS1800, PCS1900) and in TX/RX or standby status as below figure

	CTR2	CTR1	CTR0	TXEN	RAMP
Default	0	0	0	0	-
Power Down	0	0	0	0	
GSM TX On	0	1	0	1	-
DCS TX On	0	1	1	1	-
RX1 On	1	0	0	0	-
RX2 On	0	1	0	0	-
RX3 On	0	1	1	0	-
RX4 On	0	0	1	0	-

2 RX SAW Filter SCH



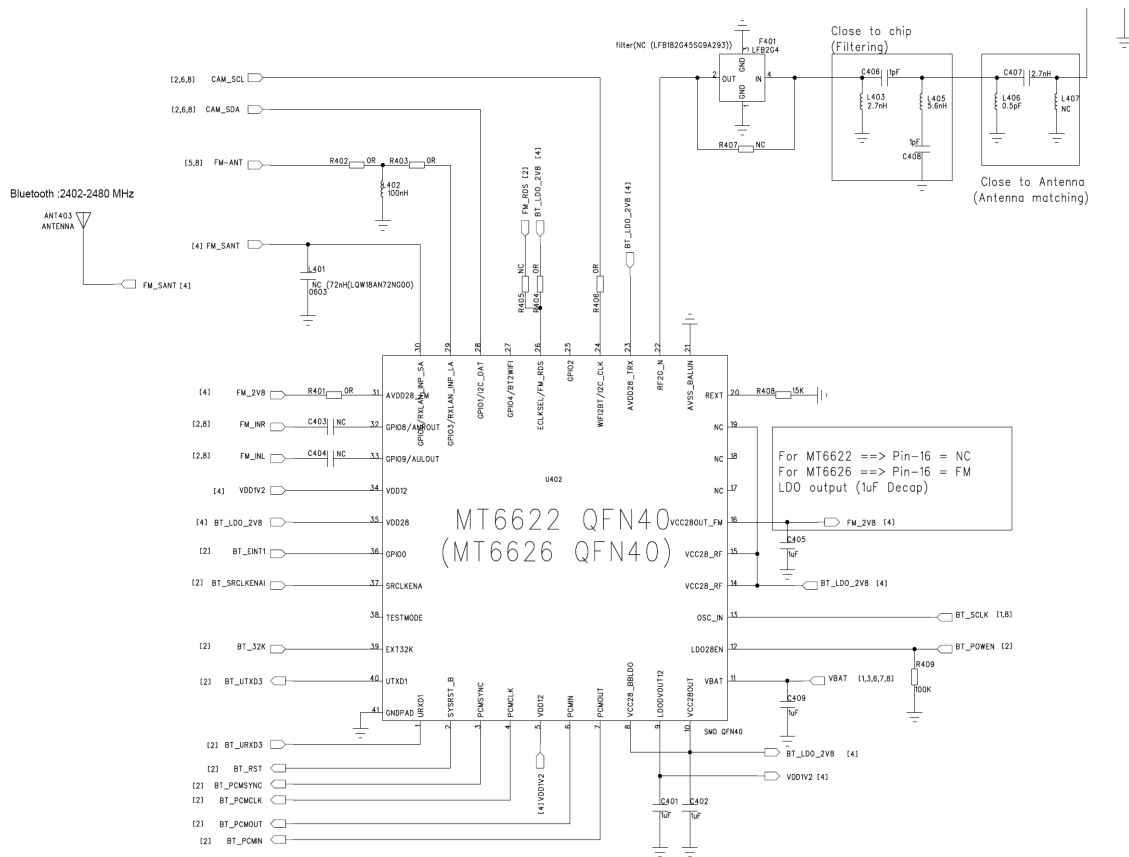
The RX signal output from RF SW, than input SAW filter .changed two difference signals in SAW filter, than input the BB transceiver of U201(MT6252)

3 RF part schematic (refer to SCH PAGE1)

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 RF PA, at last sent to air from the antenna switch.

4 BT part schematic (page 4)



The Bluetooth overall schematic as up. MT6626 is a highly integrated Bluetooth IC ,which is compliant with Bluetooth 2.1 + EDR specification and provides an optimal solution for data and voice application.it includes powerfull processing capabilities with rich features and a high performance transceiver ,all in a compact single package.

5.Operating Frequency Bands:

- 850 MHz - US Cellular: 824-849 MHz(TX), 869-894 MHz (RX); Available in US
- 900 MHz - EGSM: 880-915 MHz (TX), 935-960 MHz (RX); Not available in US
- 1800 MHz - DCS: 1710-1785 MHz (TX), 1805-1880 MHz (RX); Not available in US
- 1900 MHz - PCS: 1850-1910 MHz (TX), 1930-1990 MHz (RX); Available in US