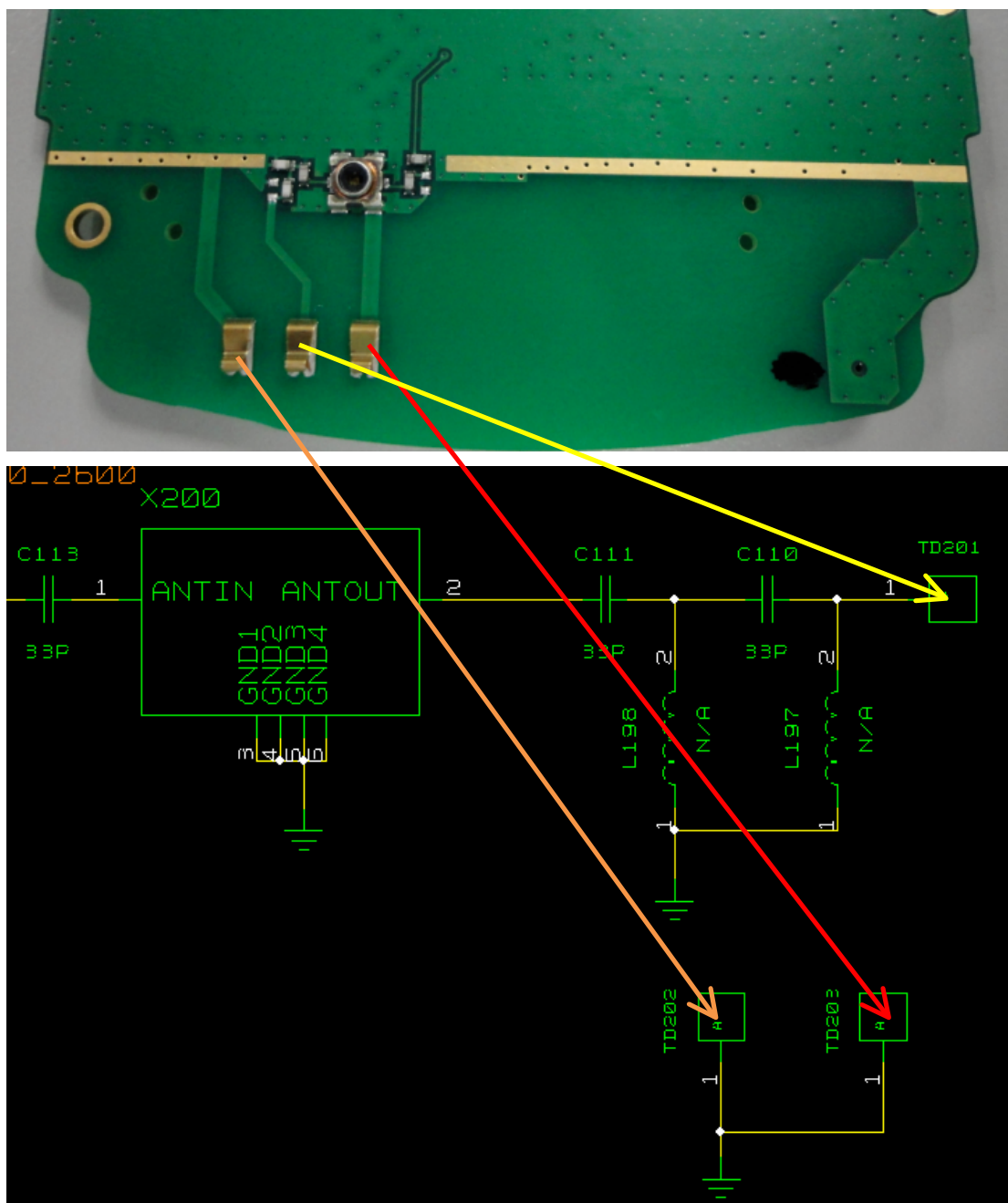


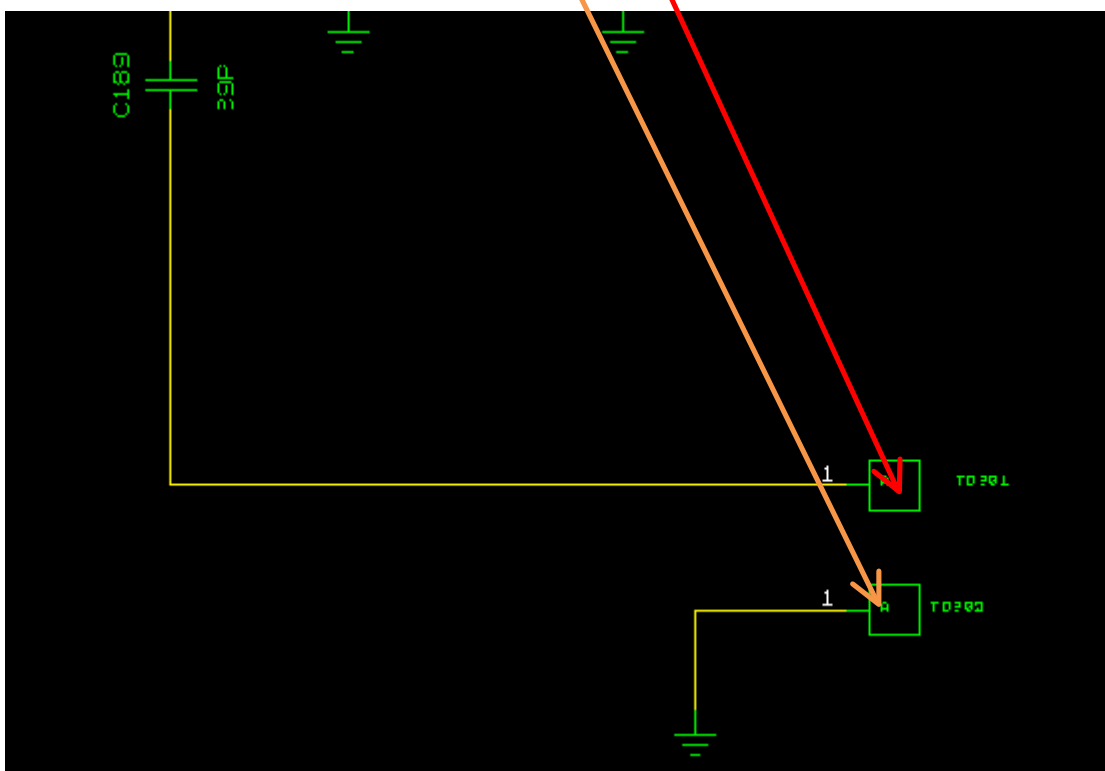
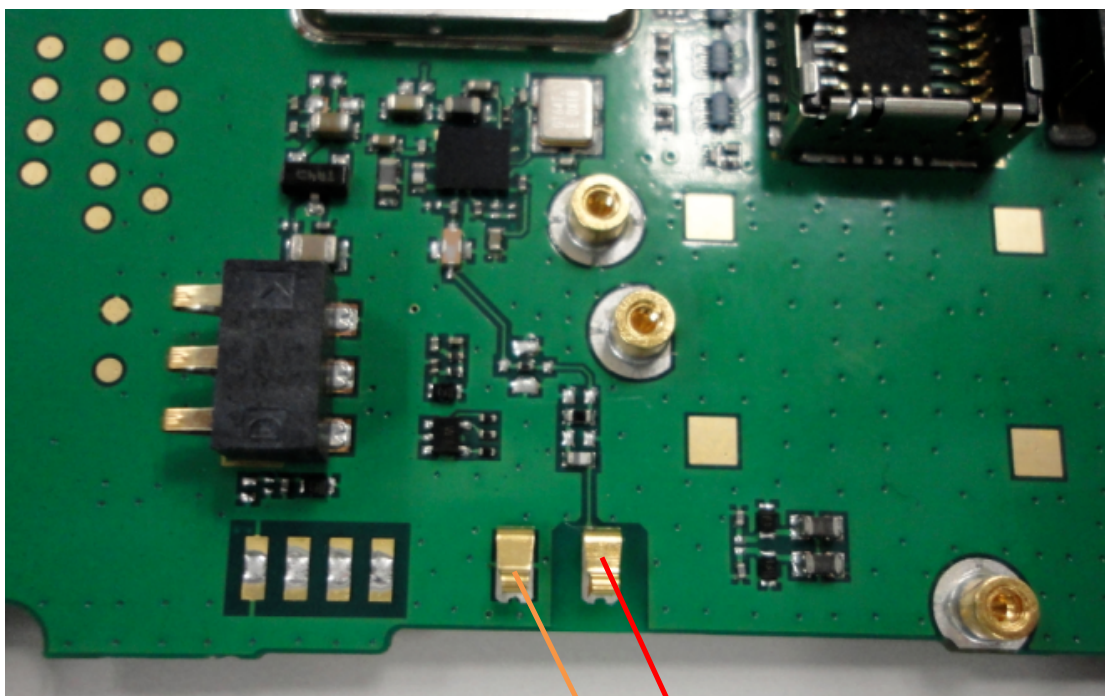
/Description about function of Antenna

There are two internal antennas of planar monopole type in ZTE E821S mobile phone. One is main antenna cover WCDMA (W850/W2100) and GSM(GSM850/GSM900/GSM1800/GSM1900) band. The other is BT antenna. The two antennas are put on the different side.

All antennas are suitable to be built-in within the housing of the mobile phone.

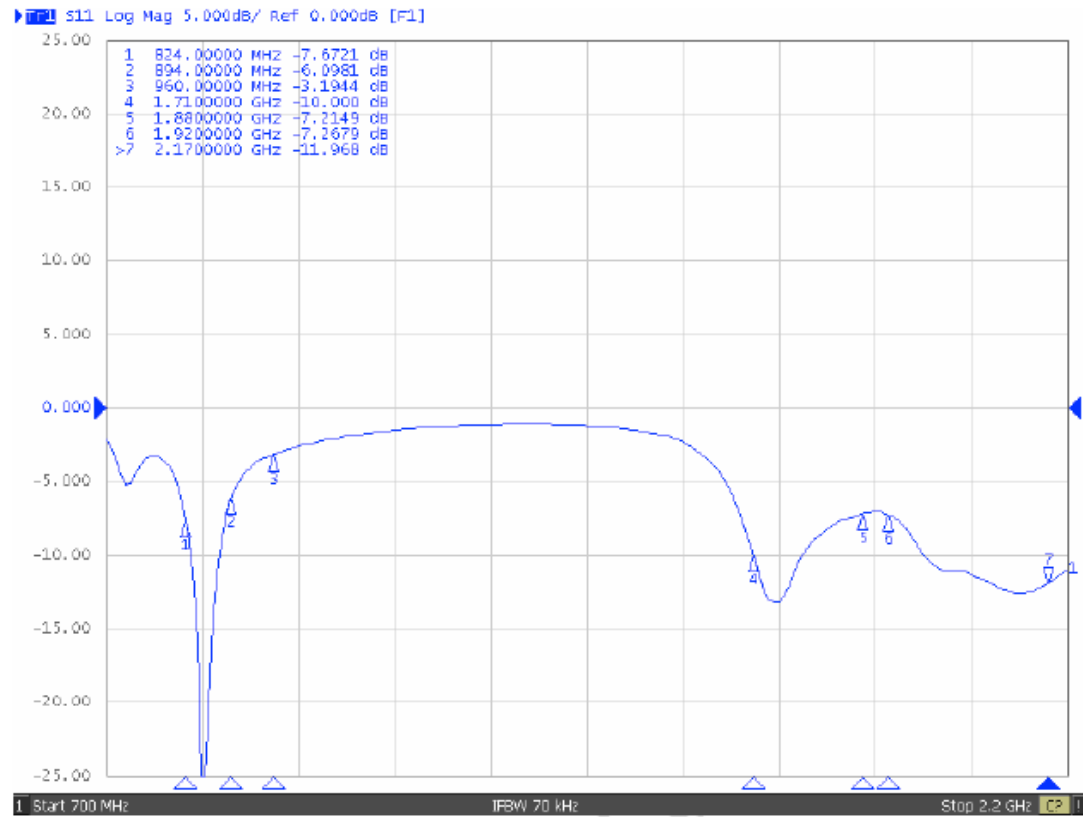
The planar monopole antenna is a good candidate for wireless communication because of its simple structure, omni-directional radiation characteristics, low profile and light-weight.



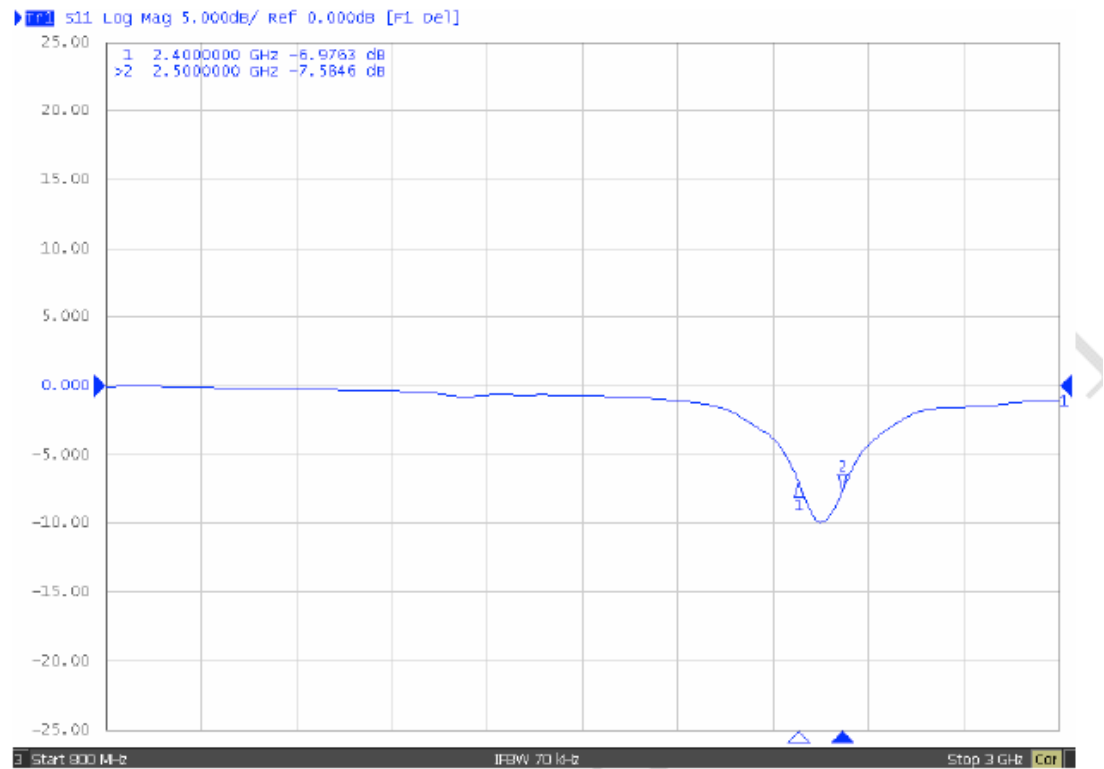


Return Loss --main antenna

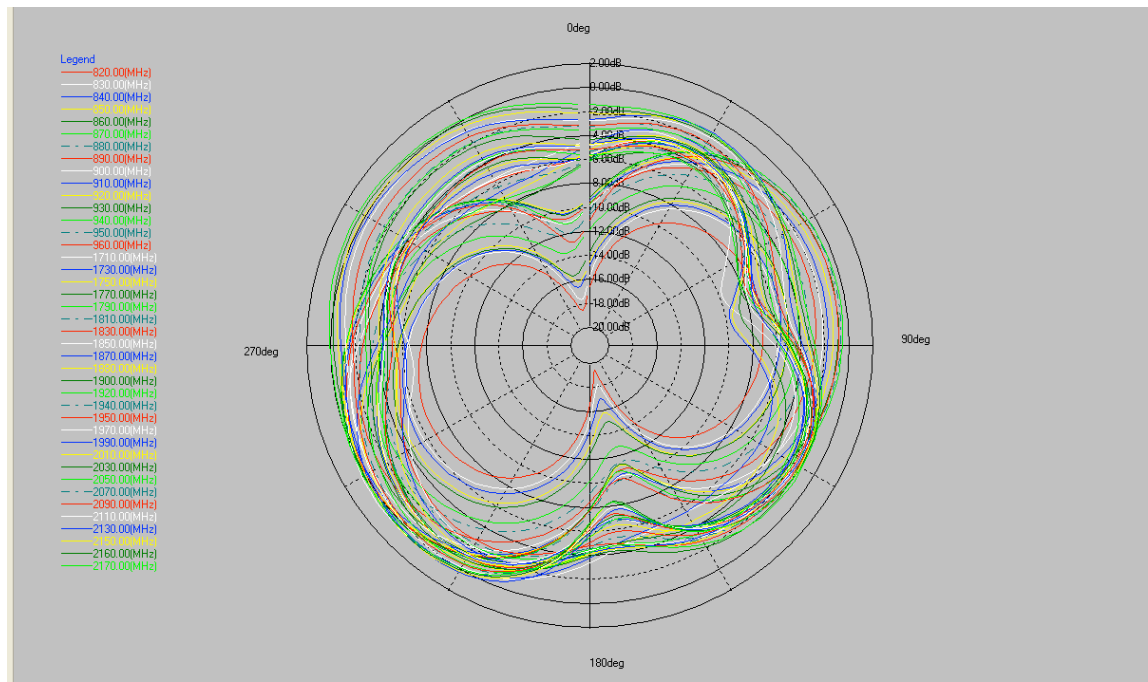
Frequency(MHz)	S11(dB)
824	-7.6
960	-6.1
1710	-10
2170	-11.9



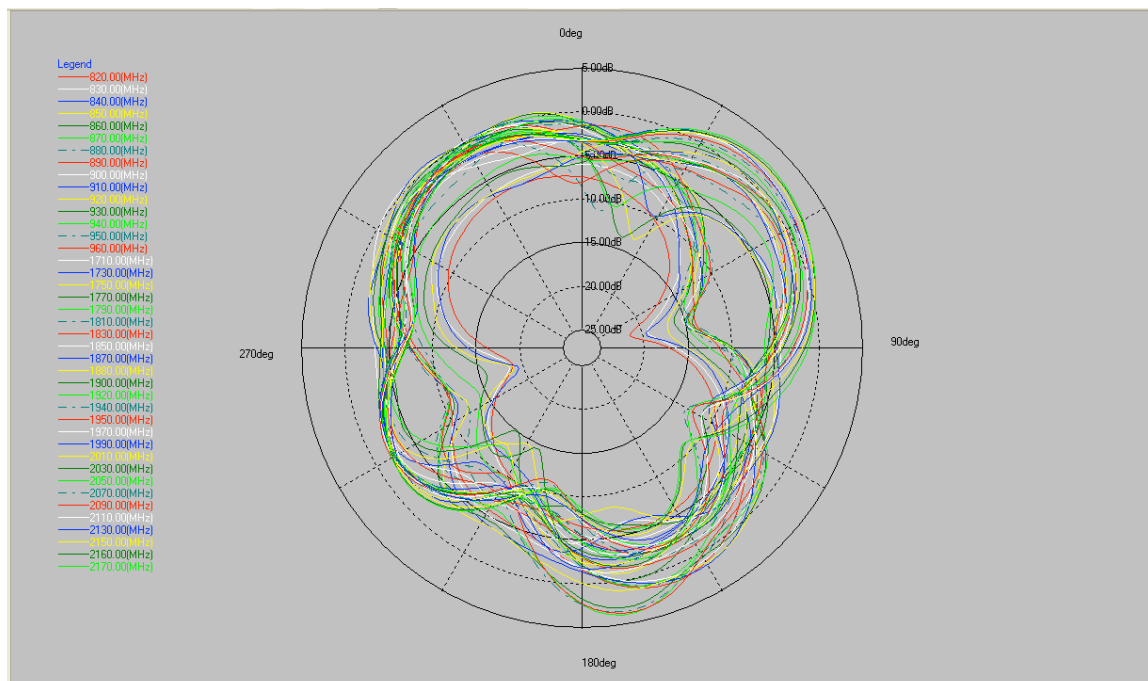
Return Loss -----BT antenna



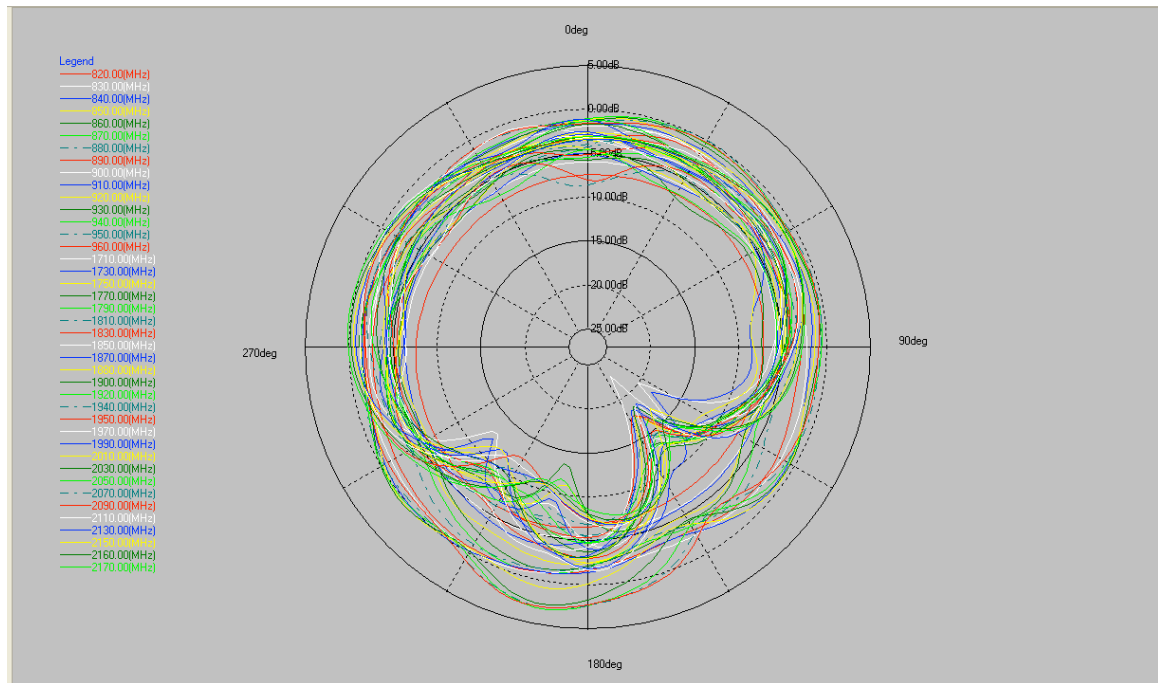
Radiation Pattern--main antenna



H plane

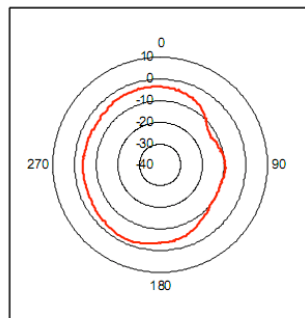


E1 plane

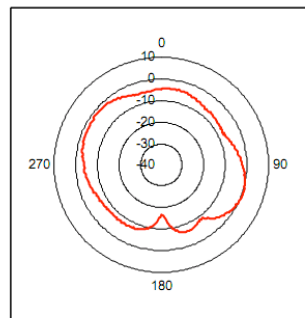


E2 plane

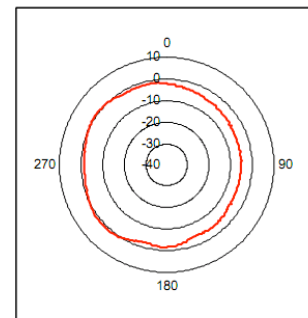
Radiation Pattern--BT antenna



XY-Plane



YZ-Plane



ZX-Plane