

Description about function of Antenna

There are three internal antennas in ZTE N860 mobile phone. One is main antenna of IFA type cover CDMA band. The second one is GPS and PCS band DRX antenna. The third one is BT and WIFI antenna.

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

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

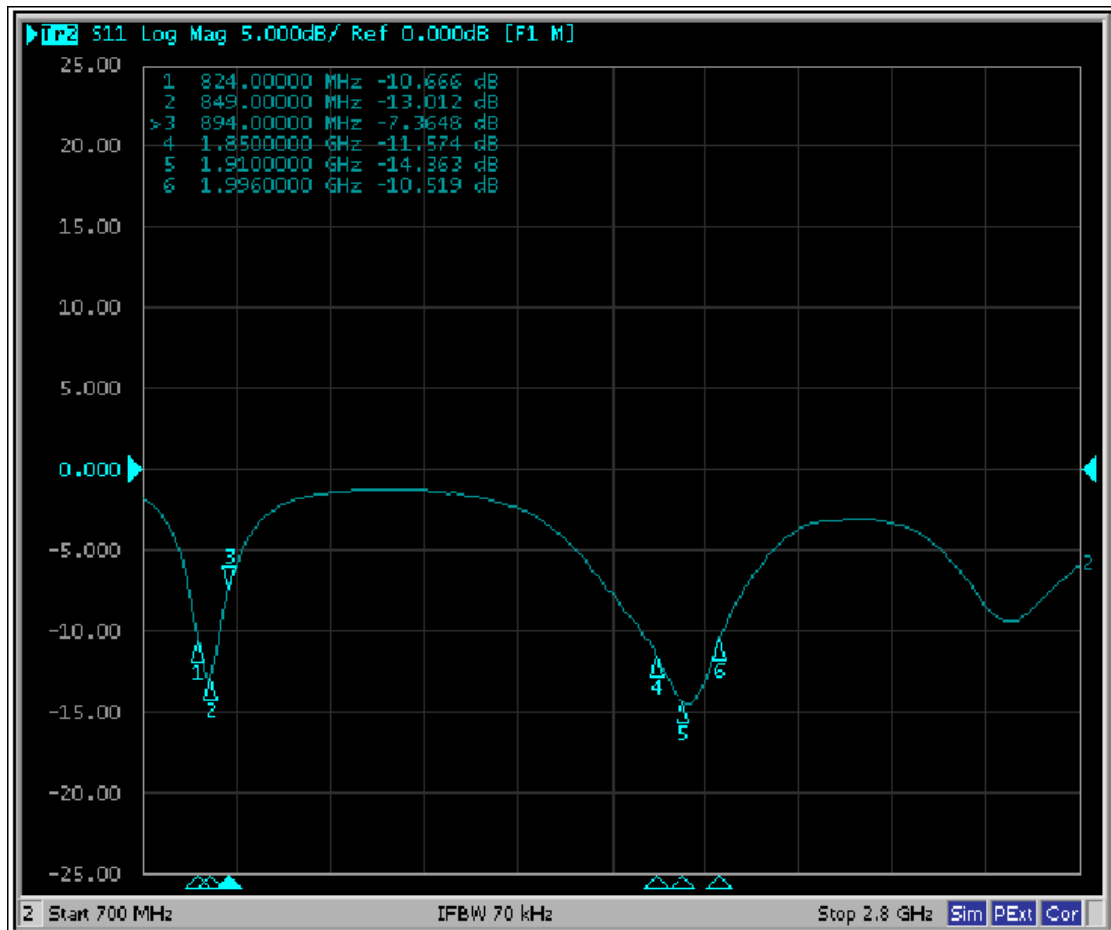


Electrical performance reference

1. Main antenna

a) Return Loss

Frequency(MHz)	824	849	894	1850	1910	1996
Return Loss	-10.6	-13.0	-7.3	-11.5	-14.3	-10.5

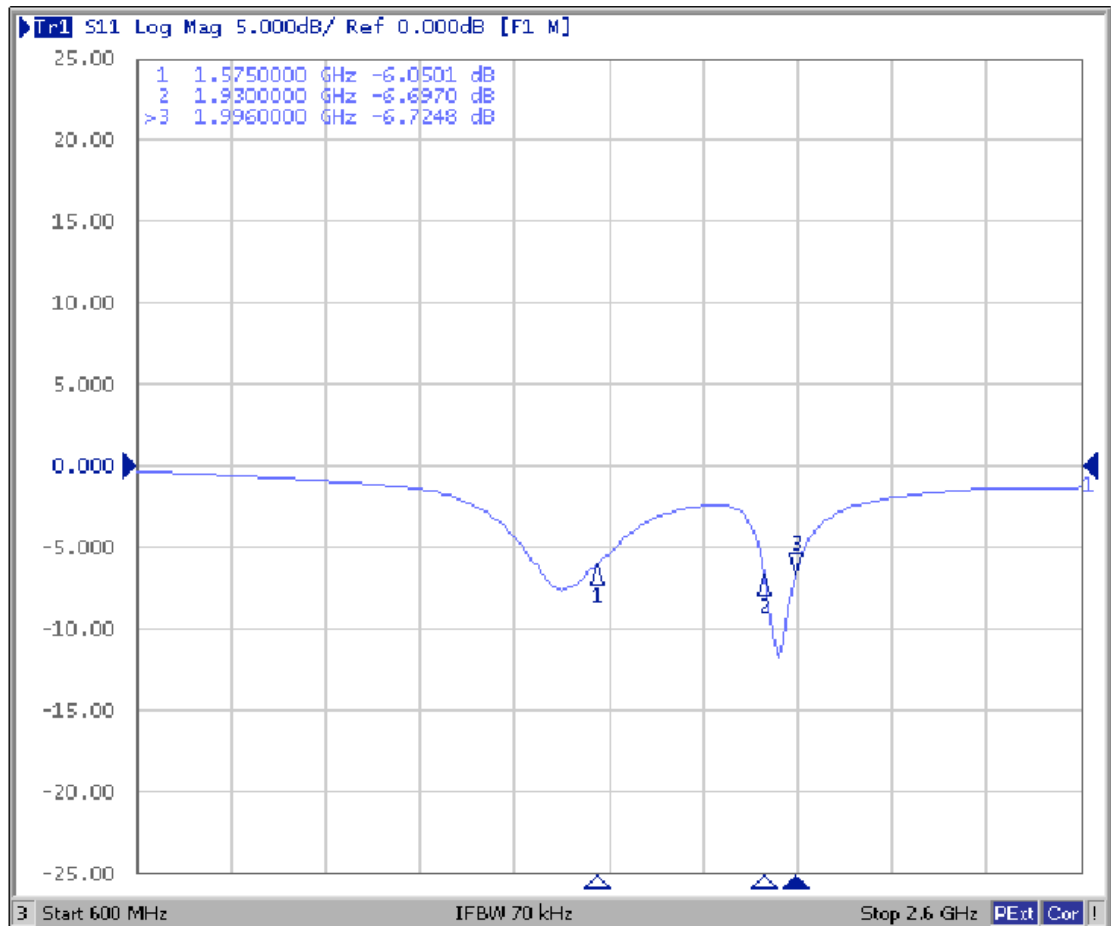


b) Efficiency

8.24E+08	29%
8.36E+08	37%
8.49E+08	40%
8.69E+08	43%
8.82E+08	41%
8.94E+08	40%
1.85E+09	44%
1.88E+09	45%
1.91E+09	46%
1.93E+09	46%
1.96E+09	45%
1.99E+09	44%

a) Return Loss

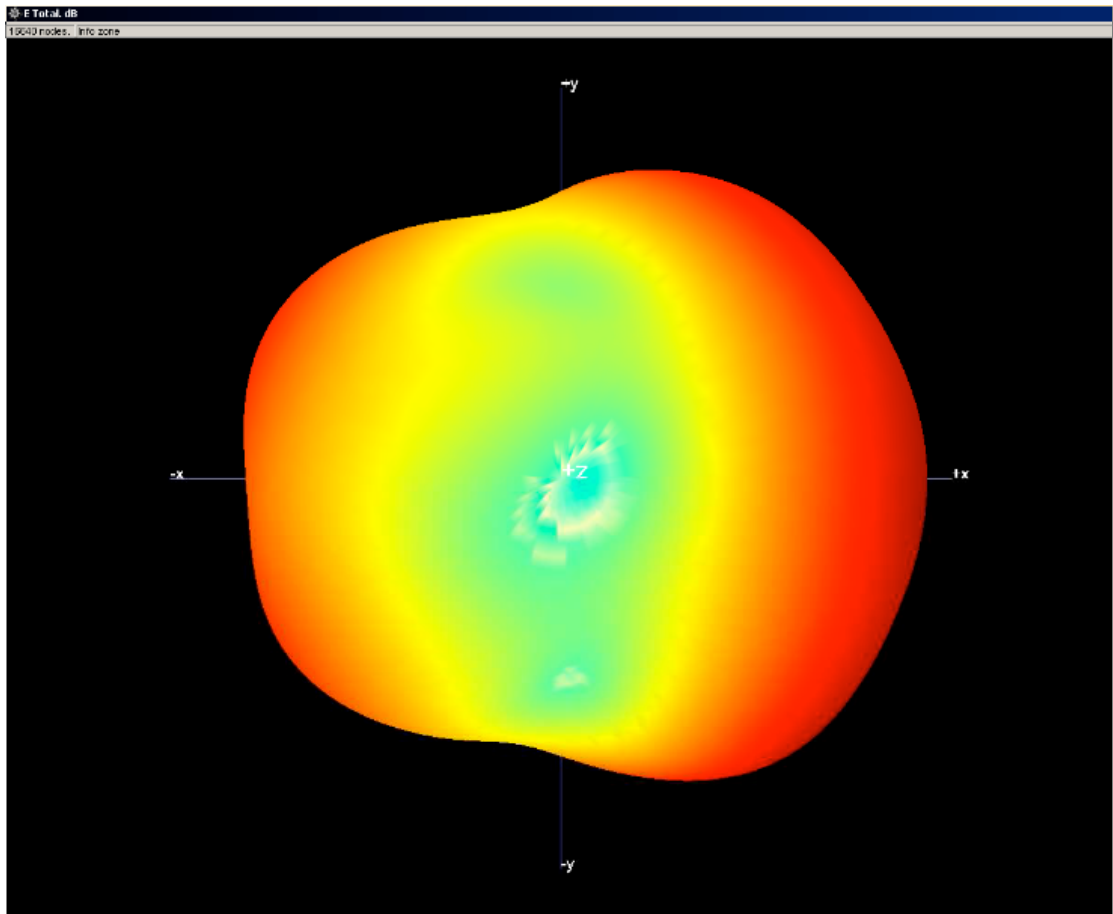
Frequency(MHz)	1570	1575	1580	1930	1960	1996
Return Loss	-6.0	-6.6	-5.0	-6.7	- 12	-6.7



b) Efficiency

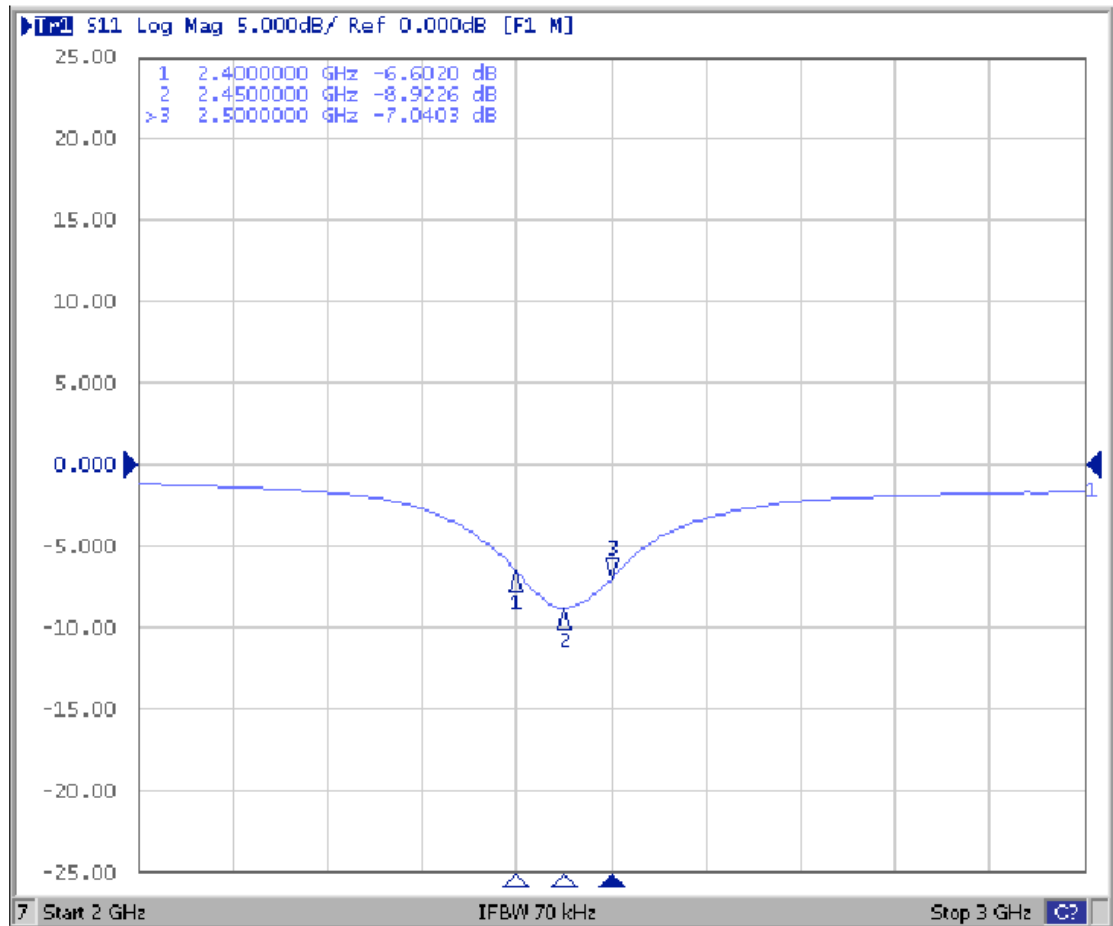
Frequency(M Hz)	Efficiency
1570	29%
1575	29%
1580	29%
1930	20%
1960	31%
1996	33%

c) Radiation Pattern



3. BT and WIFI antenna
a) Return Loss

Frequency(MHz)	2400	2500
Return Loss	-11.9	-8.4



b) Efficiency

Frequency(M Hz)	Efficiency
2400	30%
2410	31%
2420	34%
2430	34%
2440	35%
2450	37%
2460	36%
2470	37%
2480	36%
2490	36%
2500	36%

c) Radiation Pattern

