

Z001 Antenna Tuning Method

GSM Antenna Tuning

The external GSM antenna connects to Z001 by a board mounted SMA connector with an electrically short feed line between the connector and SIM5320 module. No tuning has been done to this antenna.

Bluetooth Antenna Tuning

A ceramic chip antenna is used for the Bluetooth RF circuit. This antenna is connected through a passive L-C tuning circuit and a passive L-C balun circuit. Tuning has been performed by adjusting the L and C values of these passive circuits to match the input impedance of the antenna and output impedance of the driver.