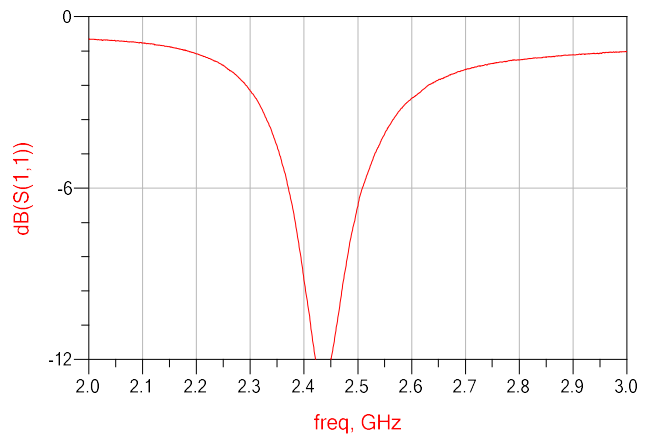


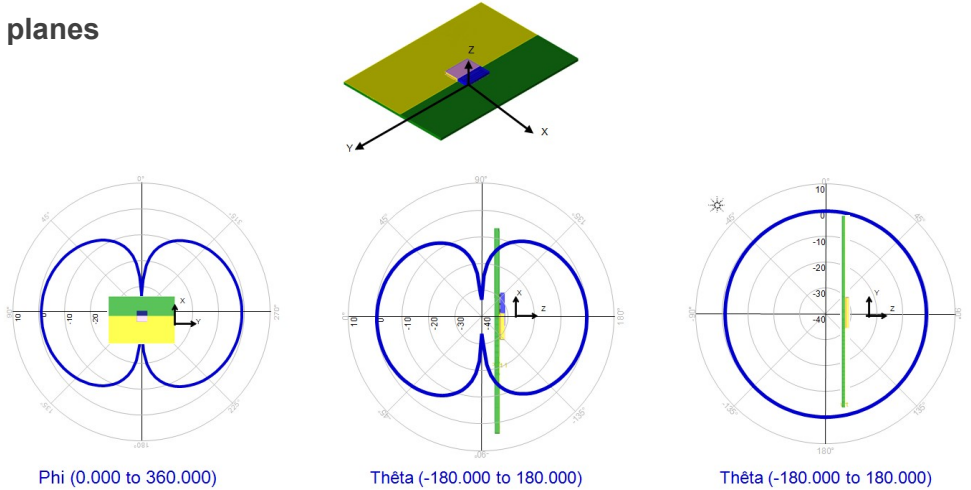
1.5 Antenna Performance

Typical Antenna Return Loss



Radiation Pattern in 3 planes

Gain measurement
in dBi @ 2.45 GHz.



The antenna Gain max is 0.6dBi

1.6 Module test set up description

The ISP130603E Interface Board allows to program and control the BLE module through UART interface and Segger J-Link board.

Fig. 2 shows connection in order to set the BLE module in test mode through 2 wires UART cable. On the ISP130603E Interface Board, connect the 2-lead patch cable in order to connect RXD to P0_08 and TXD to P0_06. Make sure the RXD/TXD labels match for each wire. This matches the default setting in the SDK project ble_app_dtm.

Details on hardware and software for using and testing the BLE module is described in document isp_ble_AN181104.pdf. We strongly recommend to refer to this document, in particular chapter 5.2.