

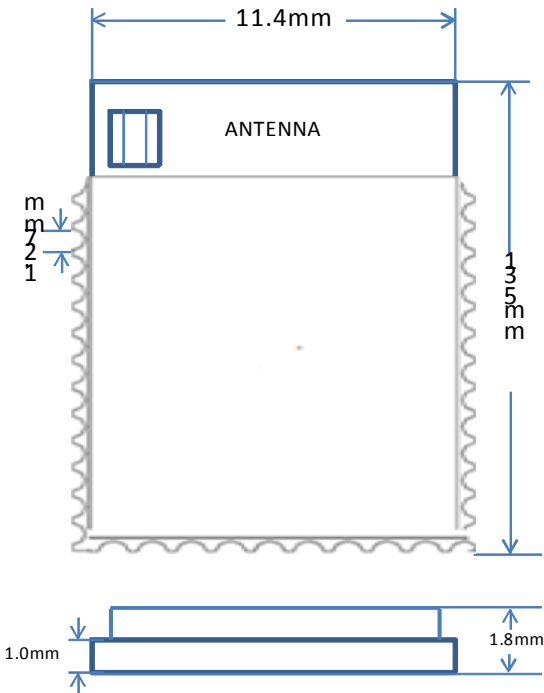
Antenna

LAPIS recommends using an antenna with the specifications shown in Table 6.1. Select an antenna with the best directivity characteristics for your specific operating, environmental and installation conditions. Since antennas are affected by installation conditions such as GND, external factors should always be taken into account. LAPIS recommends consulting the manufacturer of the selected antenna for installation details in relation to various factors, including the shape and stray capacitance of the board to be used.

Table 6.1 Antenna	
Frequency band	2.4-GHz band
In-band VSWR	2.0MAX
Nominal impedance	50Ω

Type: PCB antenna

Brand: LAPIS



The figure below shows the input impedance characteristics (S11) during a continuous Rx operation of our evaluation board.

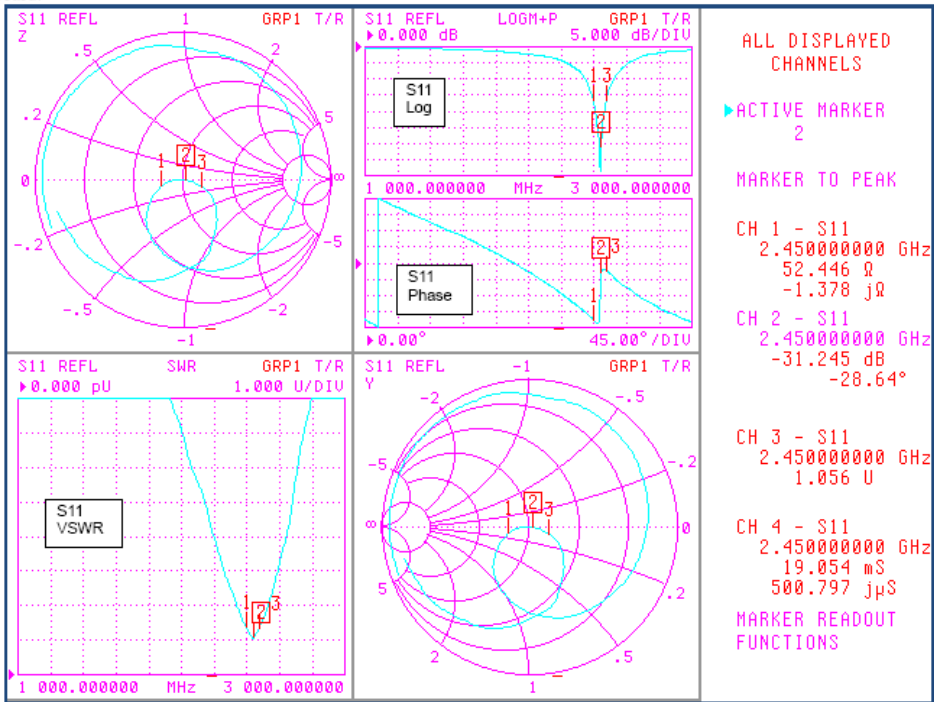


Figure 5.2 ML7125-00X RF Input Impedance Characteristics (During Continuous Rx Operation)
2402MHz[1], 2440MHz[2], 2480MHz[3]