AR1642-EVM-REV-A antenna etching guidelines

The board has etched antennas on the top layer which need high etching tolerance to meet the performance.

The section of the antennas are shown below. This consists of 3 rectangular block and thin trace connecting the blocks. The dimensions of this section mentioned in the gerbers is the target dimension on the “top” portion of the copper plan . Due to the etching process the “top” section of the copper is thinner than the “bottom”. The etching needs to be adjusted to meet the target dimensions on the “top” section.

The tolerance of etching can me +- 20um

