

# Technical Memorandum

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## History

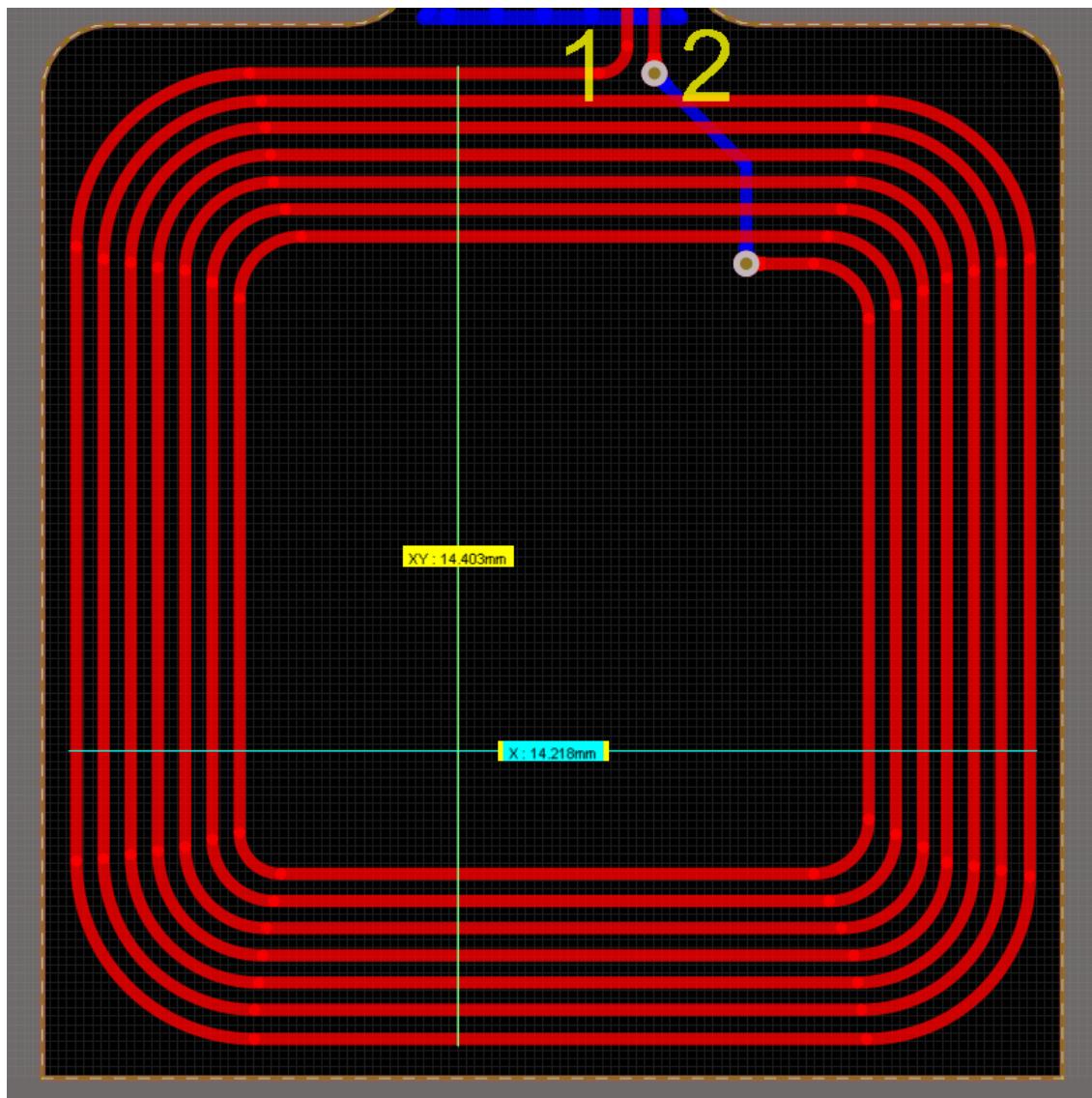
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## Antenna Information

The antenna used in the MA-0382 J8 to J9-11 Assembly is formed from a spiral PCB trace pattern that is integrated onto the EA-0040-RevR PCB. As the antenna is built onto one of the PCBs contained within the module it is not possible to interface the radio transceiver with any alternative antenna, thus ensuring that the module is compliant with FCC section 15.203.

The antenna is tuned to operate at 13.56 MHz and consists of seven turns of a 0.2 mm PCB trace (with 0.4 mm spacing between turns) in a squared spiral pattern with an outer span of approximately 14.2 mm by 14.4 mm.



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