

Technical Memorandum

Document title:	RFID Antenna Information FCC
Document number/rev:	TM-05411v1.0
Published date:	10-Apr-2025

History

Date	Revision	Author	Description
10 Apr 2025	1	Maz Dogan	Creation

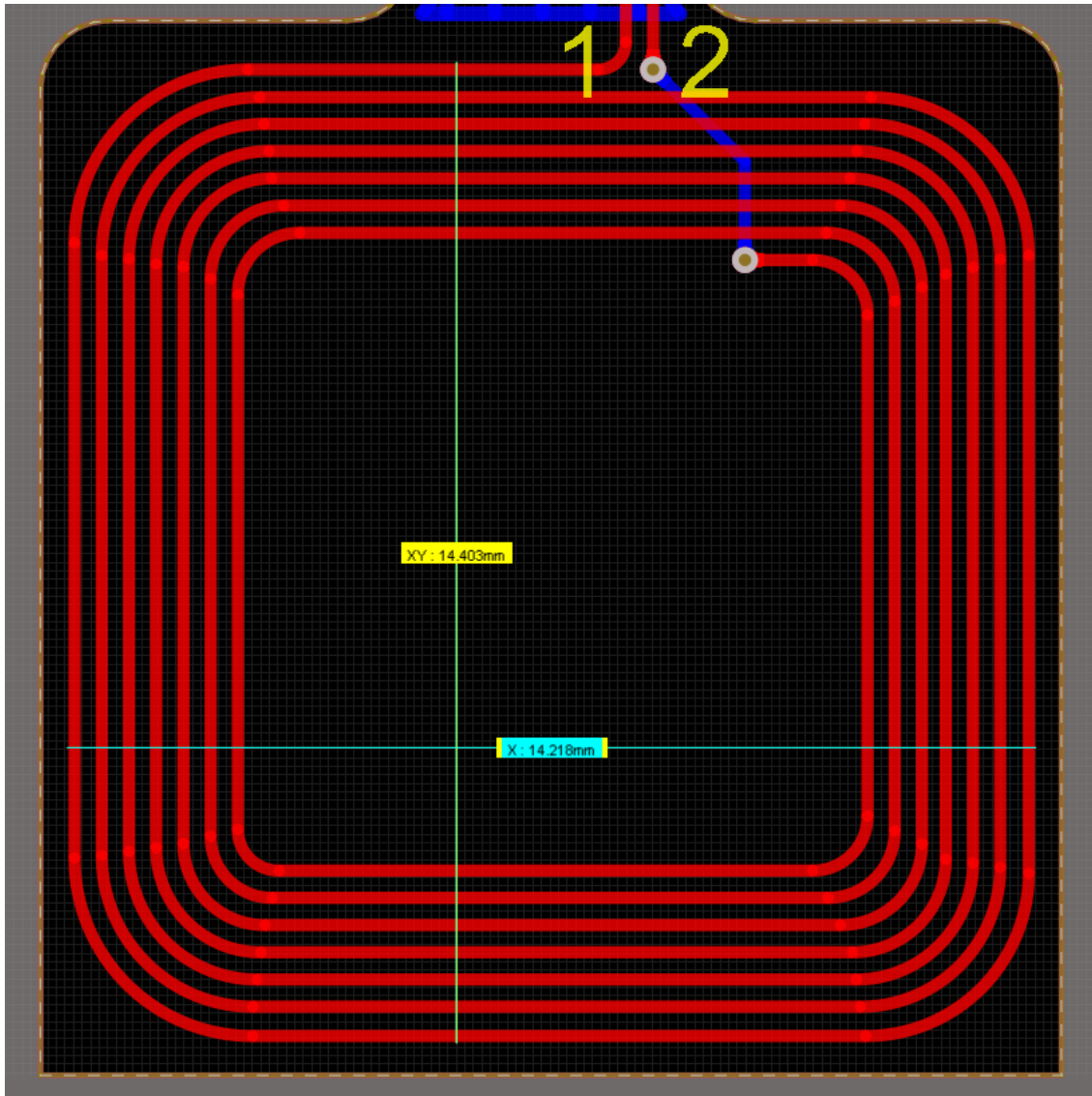
VT EE I FFA^!•q } FFA^|æ^âEO~^&ç^A } AEEG EE EG





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.



Signatures:

Document Approval - Author:	As an Author, I Approve this Document for Release	
Name:	Maz Dogan cmrsurgical.com\maz.dogan	
		Comments:
Electronically Signed in 		Timestamp: 2025-04-23 10:24:33 (UTC+00:00)

Document Approval - Reviewer:	As a Reviewer, I Approve this Document for Release	
Name:	Max Henderson cmrsurgical.com\Max.Henderson	
		Comments:
Electronically Signed in 		Timestamp: 2025-04-22 14:43:54 (UTC+00:00)

Document Approval - Approver:	As an Approver, I Approve this Document for Release	
Name:	Andrew Thompson cmrsurgical.com\andrew.thompson	
		Comments:
Electronically Signed in 		Timestamp: 2025-04-25 15:29:07 (UTC+00:00)