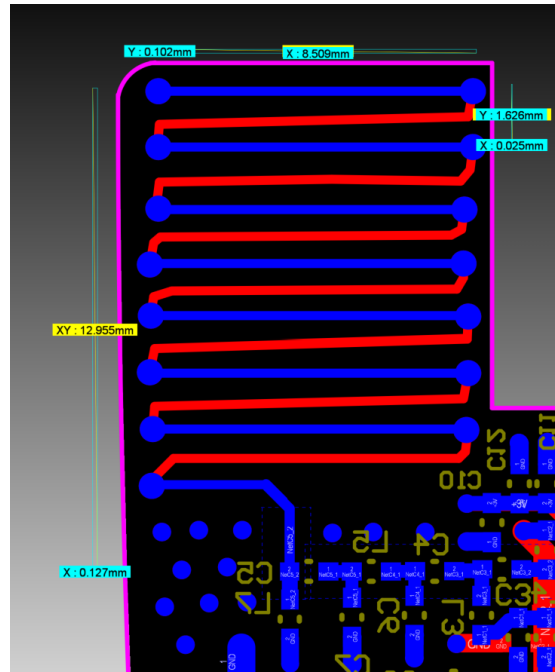


The design utilizes a PCB Helical antenna which is permanently on board. It's not removable or accessible to the user.

The antenna is a small PCB antenna with a gain of **0dBi** that is integrated on the PCB layout and connected to transmitter output through two matching components (L7 & C5) and low pass pi filter (C7 & L5 & C6).

PCB Antenna Size



Width	8.6mm
Length	12.88mm
Thickness	0.8mm
Number of Coils	7.5
Trace width	0.254mm
Coils pitch or clearance	1.6mm

PCB Stack-up specifications

#	Name	Material	Type	Weight	Thickness	Dk	Df
	Overlay Top		Overlay				
	Solder Mask Top	Solder Resist	Solder Mask		0.01016mm	3.5	
1	Top		Signal	1/2oz	0.03556mm		
	Dielectric1	FR-4	Core		0.7mm	3.8	
2	Bottom		Signal	1/2oz	0.03556mm		
	Solder Mask Bot...	Solder Resist	Solder Mask		0.01016mm	3.5	
	Overlay Bottom		Overlay				