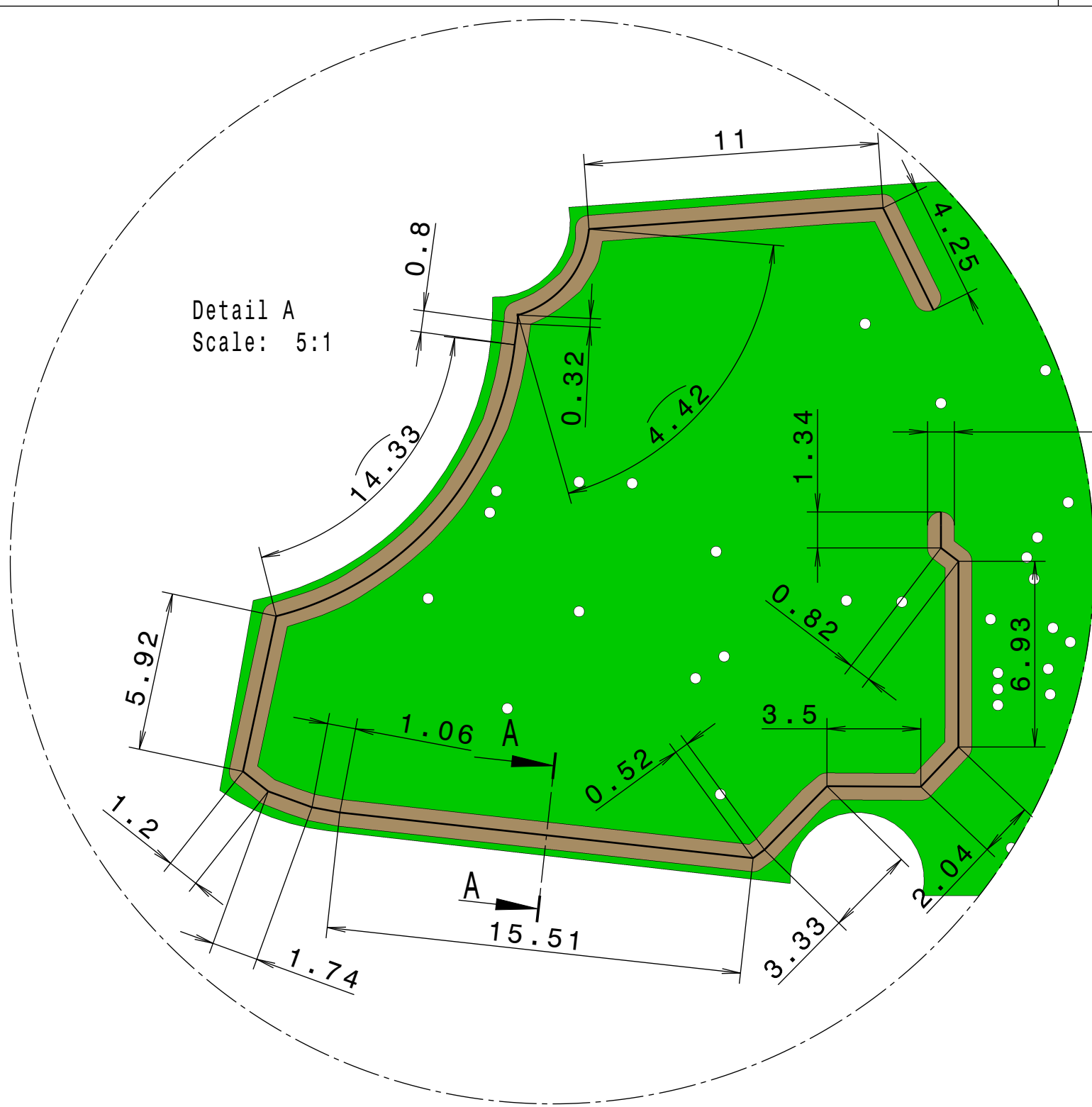
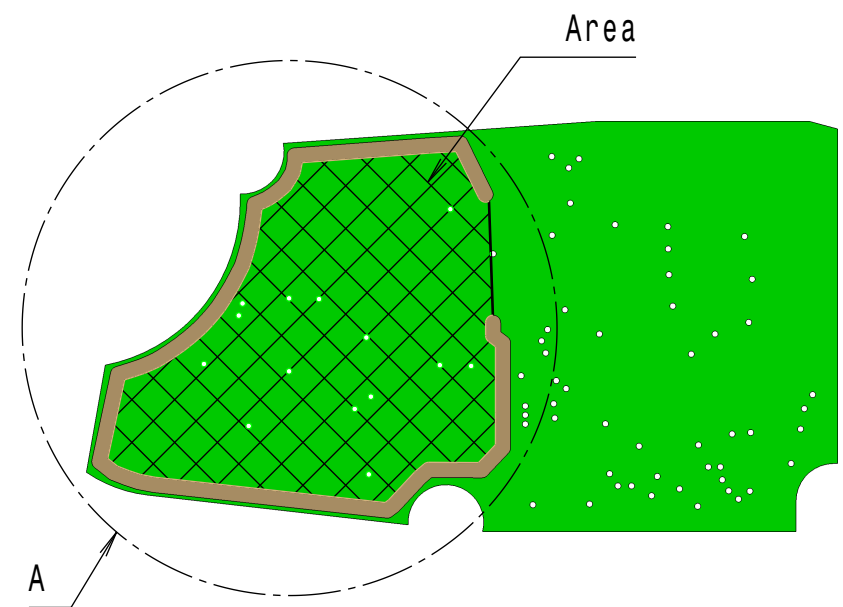
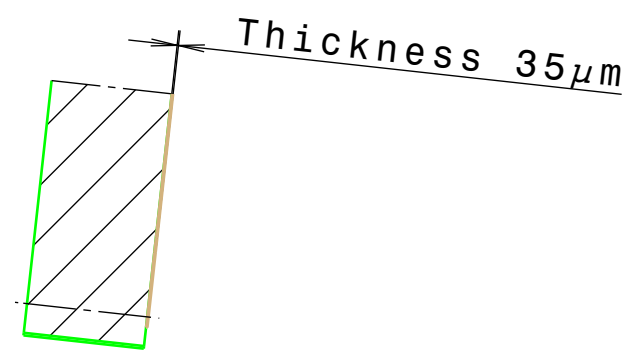




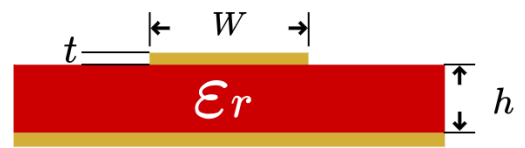
Section view A-A
Scale: 10:1



Front view
Scale: 2:1

Antenna values	
Antenna type	Single-ended loop antenna
Z ₀	68÷75ohm
Gain	<-8dBi
Frequency	433.92MHz
Area	408.15mm ²
Width	1mm
Total lenght	79.03mm
Thickness	35µm

$$Z_o \approx \frac{87}{\sqrt{\epsilon_r + 1.41}} \times \ln \left(\frac{5.98h}{(0.8w + t)} \right)$$



MATERIALS and SURFACE TREATMENTS according to: 2011/65/EU RoHS 2 - 2011/37/EJ ELV2										Index history	
Accordingly to the law in force , ZADI spa reserves the exclusive property right on this drawing and the faculty to modify it without prior notice. It's strictly forbidden to reproduce and/or disclose this drawing or any part of it without Zadi's written authorization.	General Tolerances		Material			Raw material			Scale	Format	
	From 0 to 6		FR4						2:1	A3	
	>6 to 30					Rule			Designed		
	>30 to 120		Process						F.A.Salerno		
	>120 to 315		Finishing / Color			Weight (g)			Create Date		
	>315								21/05/2024		
	Angle		Surface Treatment			Rule			Approved		
									L. DI PALMA		
	Description					Measure unit		Approved Date			
	Antenna description					mm		24/05/2024			
							Customer Part No.		Index		

