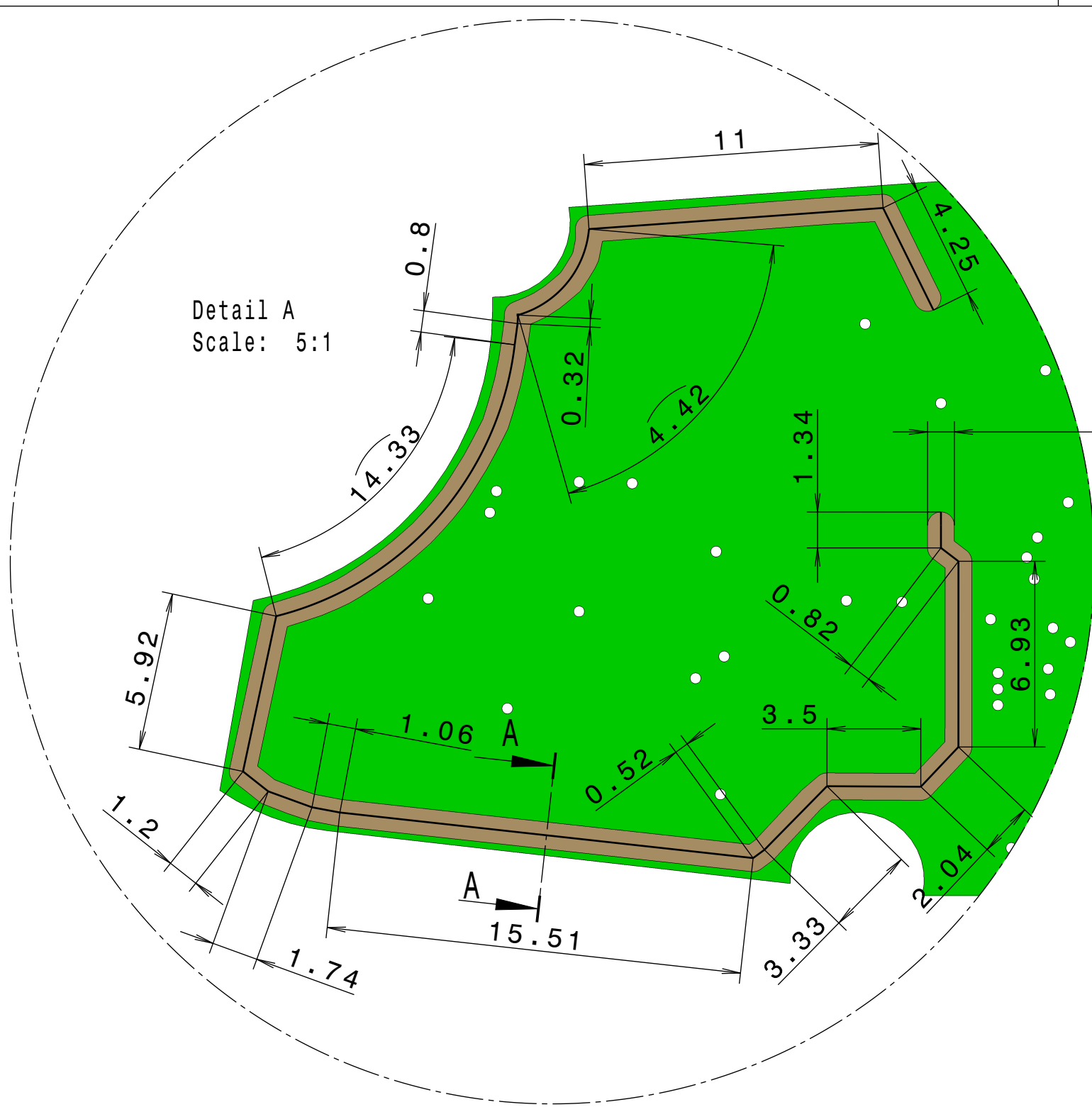
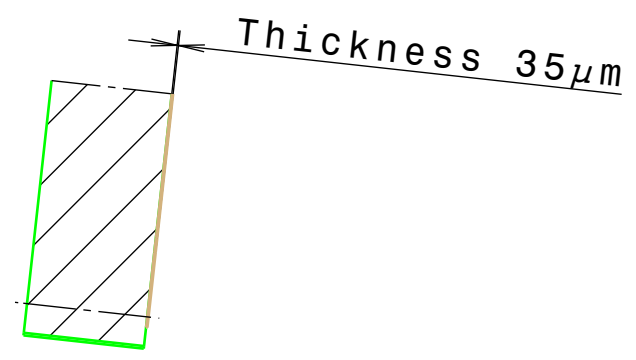
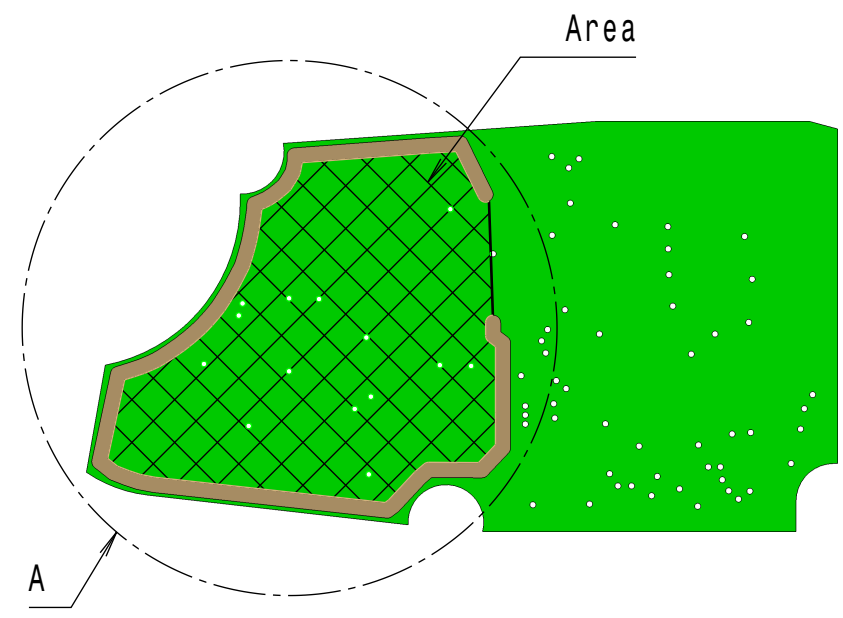




Section view A-A
Scale: 10:1



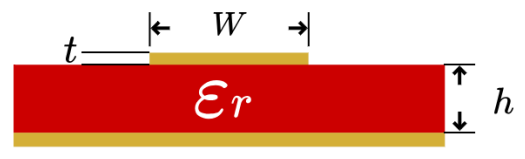
1
constant

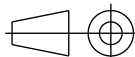
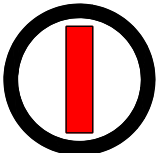


Front view
Scale: 2:1

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							Designed			
	>30 to 120		Process			Rule		F.A.Salerno			
	>120 to 315							Create Date			
	>315		Finishing / Color			Weight (g)		21/05/2024			
	Angle		± 0° 30'					Approved			
				Surface Treatment			Rule		L. DI PALMA		
	Description					Measure unit		Approved Date			
	Antenna description					mm		24/05/2024			
							Customer Part No.		Index		
SML0420L1											
Doc. name		Reference	Status	Part No.		Index	Intercompany P/No.			Index	
		P1364	REL	SML0420L1		0					
 ZADI											
											