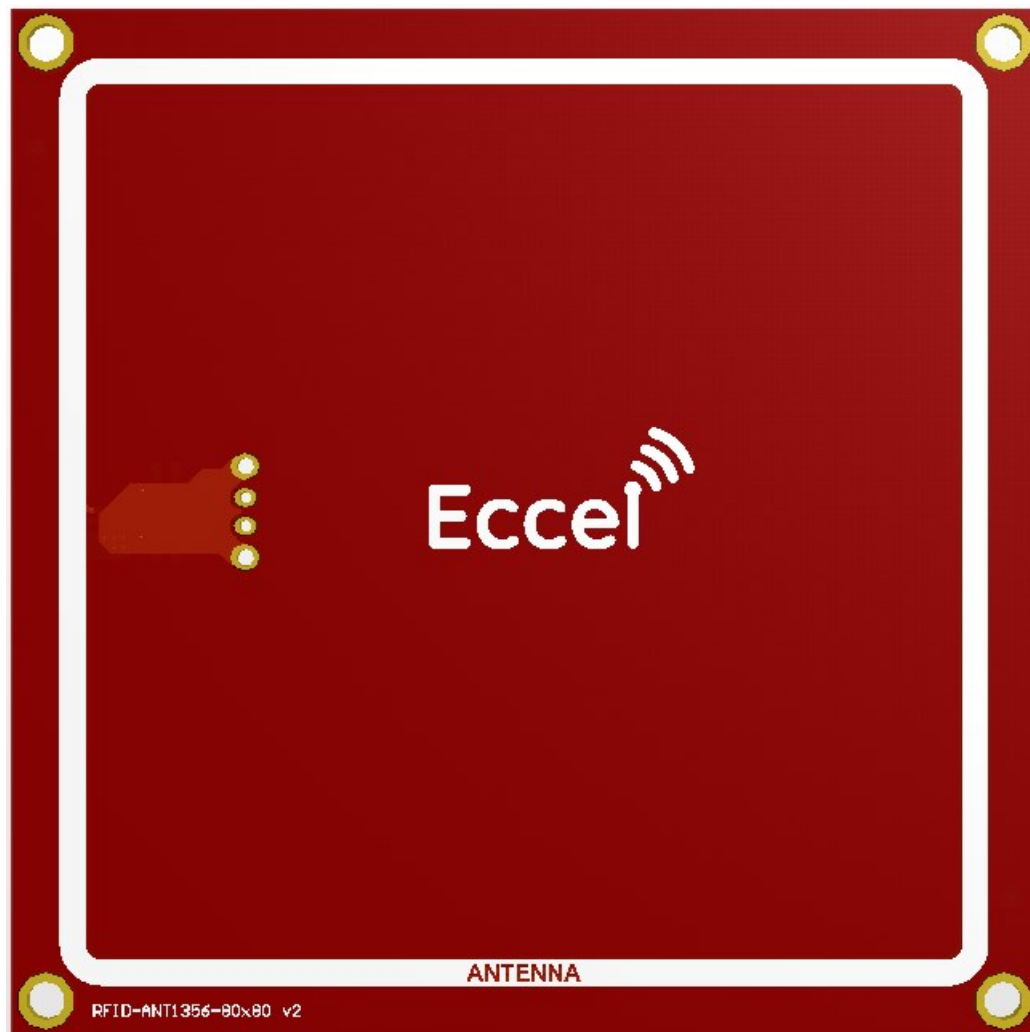


1. Antennas specification

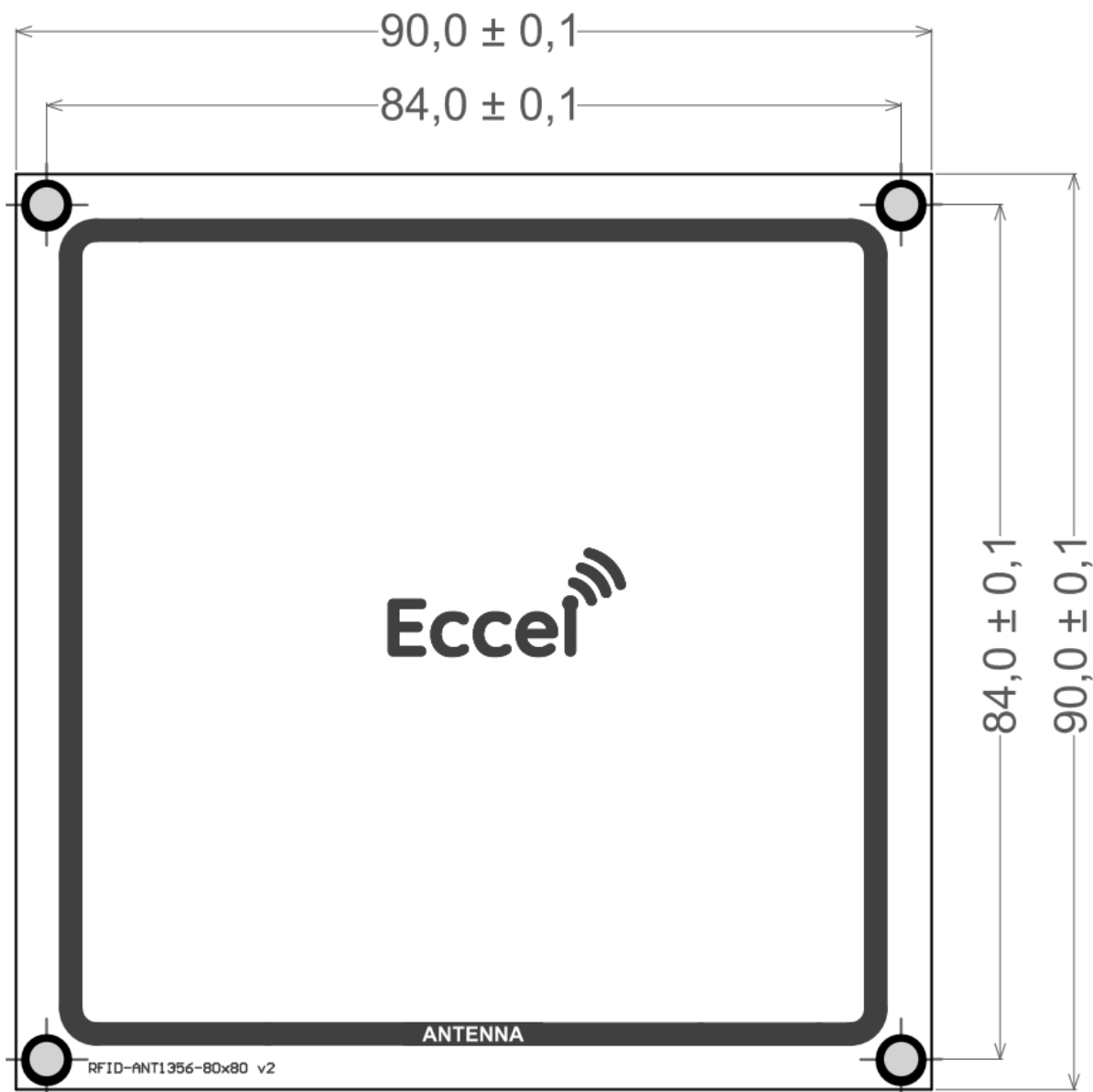
1.1. 80x80mm Antennas



Gain:8dBi

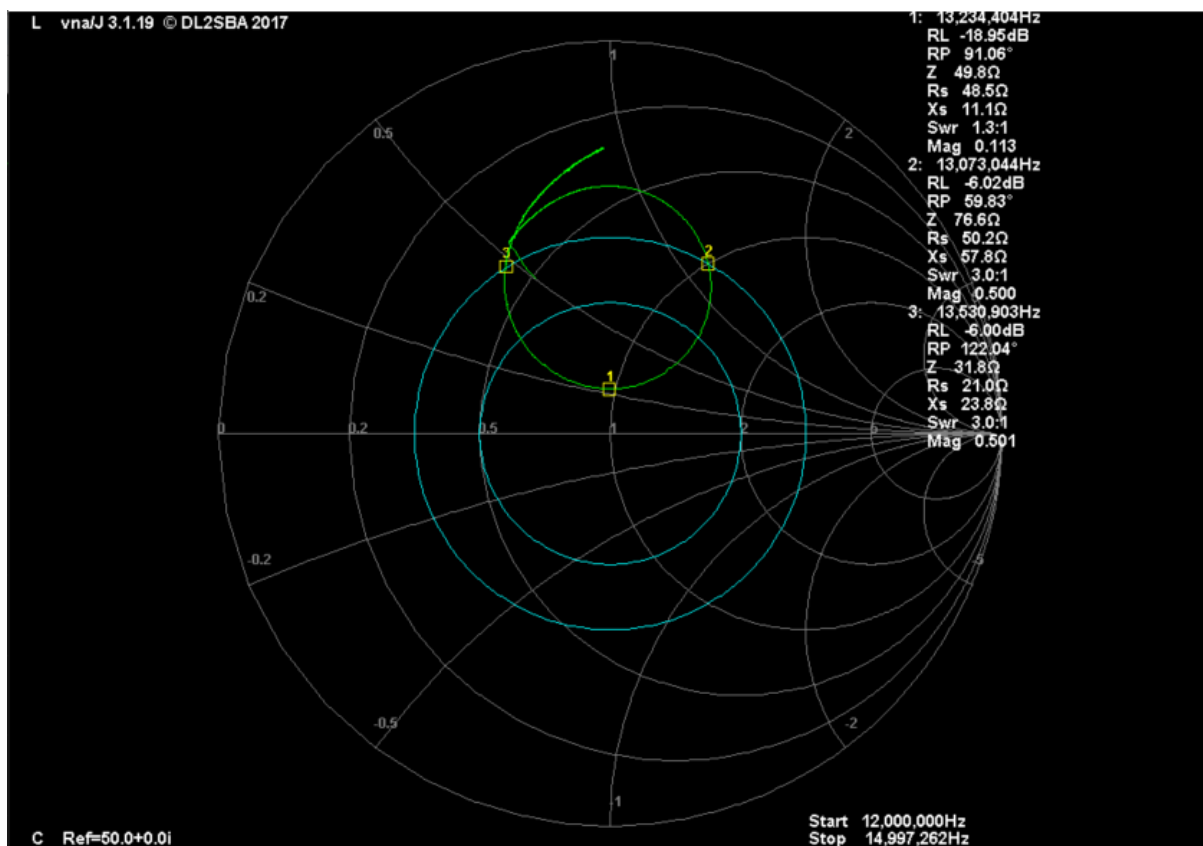
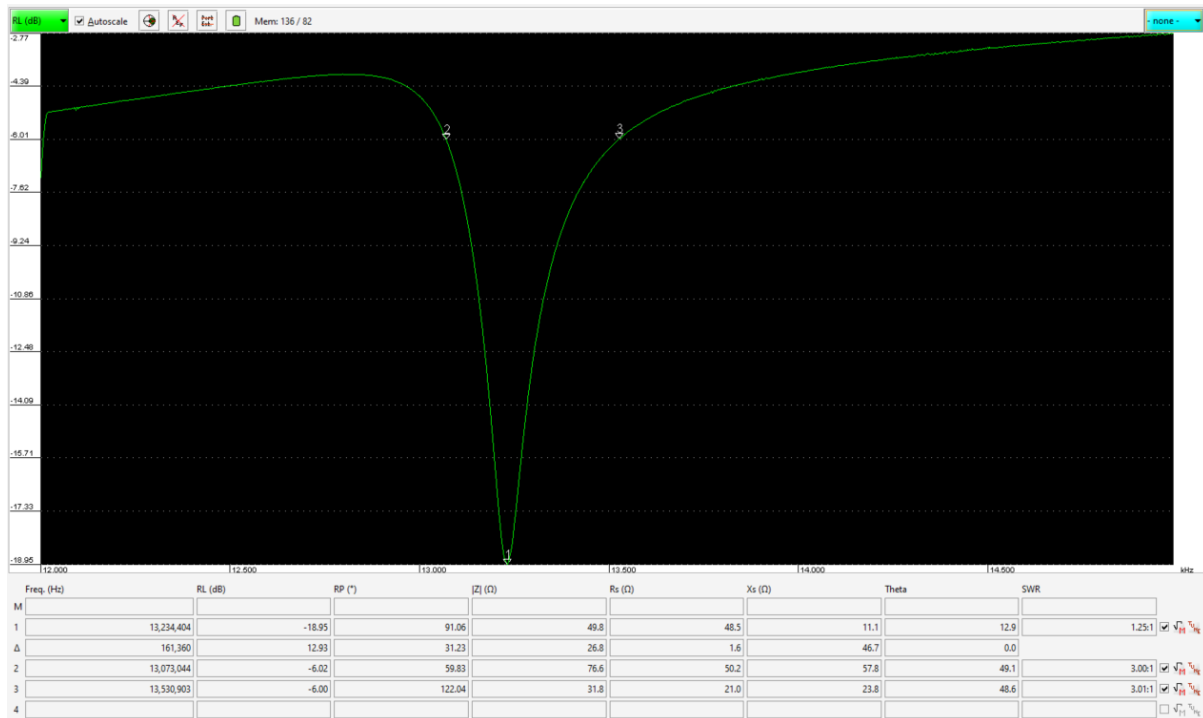
Standard specifications:

Operating frequency [MHz]	13.56
Inductance [uH]	1.25
R _{DC} [Ω]	0.47
Operating Temperature Range	-40°C to + 85°C
Storage Temperature Range	-40°C to + 85°C
PCB dimensions: width x length x thickness [mm]	90 x 90 x 1
Coil antenna dimensions: width x length [mm]	80 x 80
Cable length XXX [mm]	800 or 300

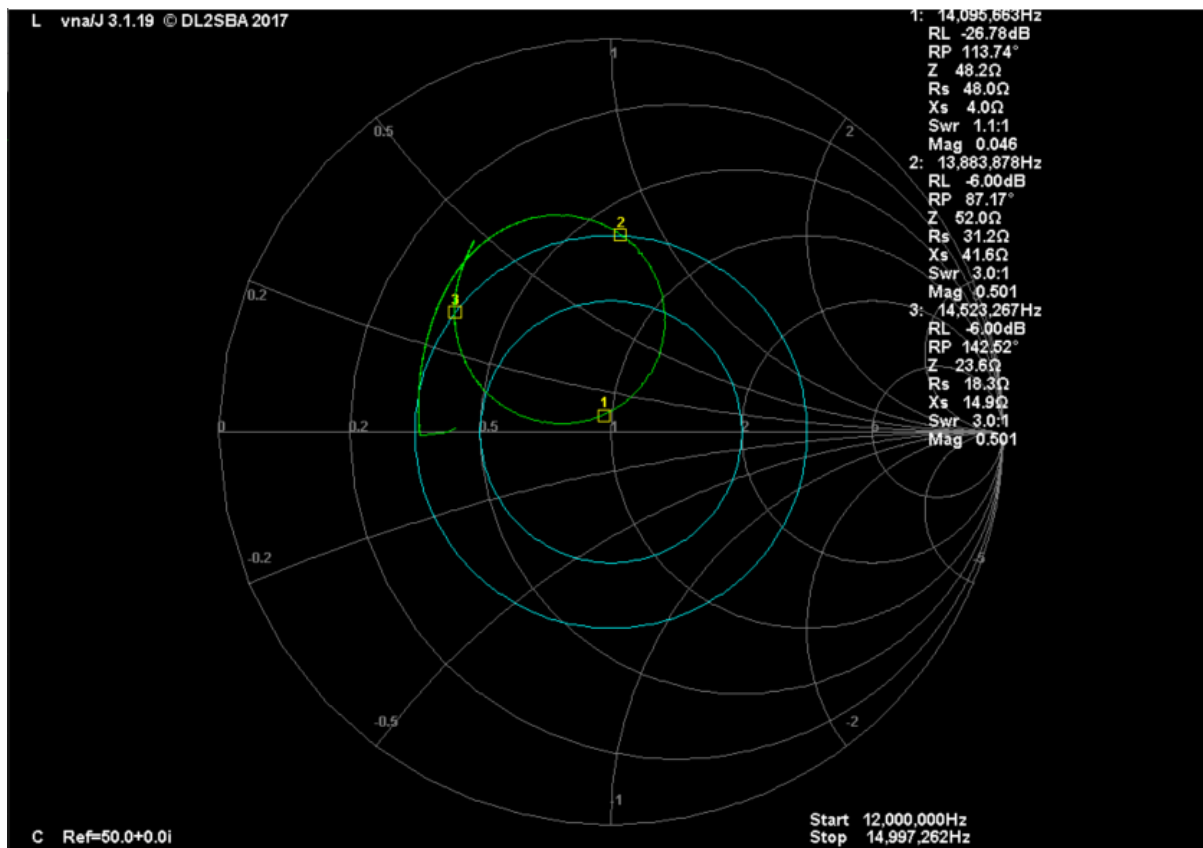
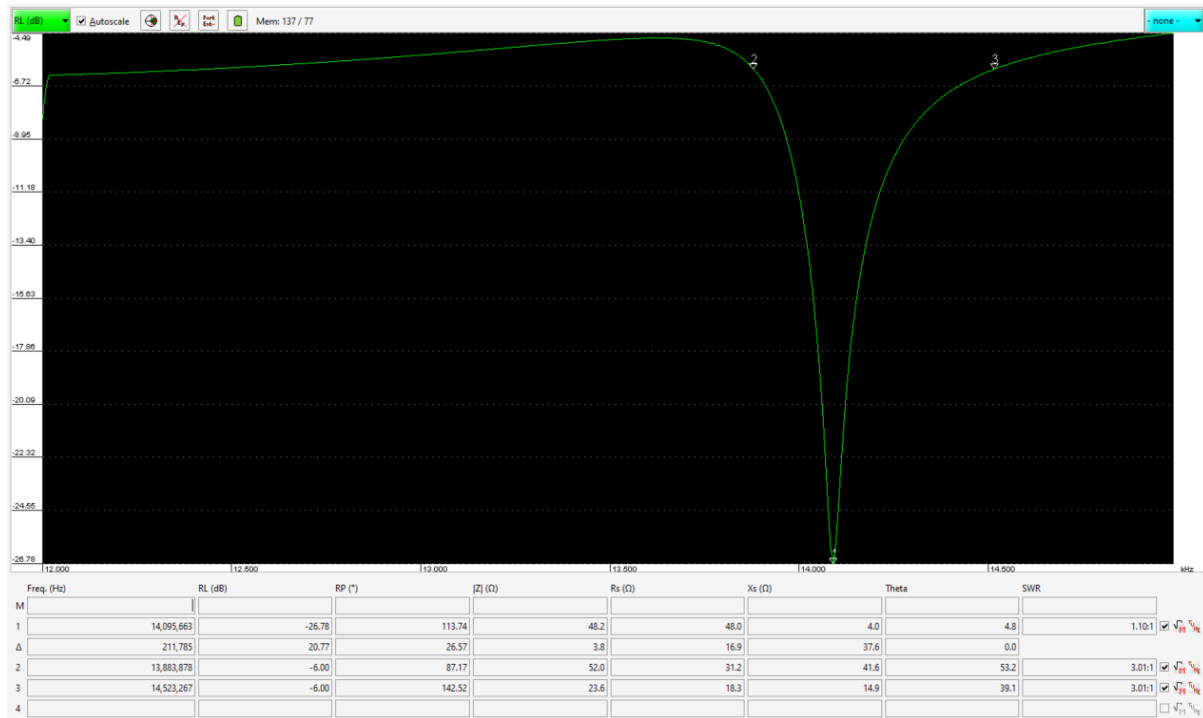


Hole size x4
Ø 3,4 mm
Outer diameter
Ø 5,0 mm

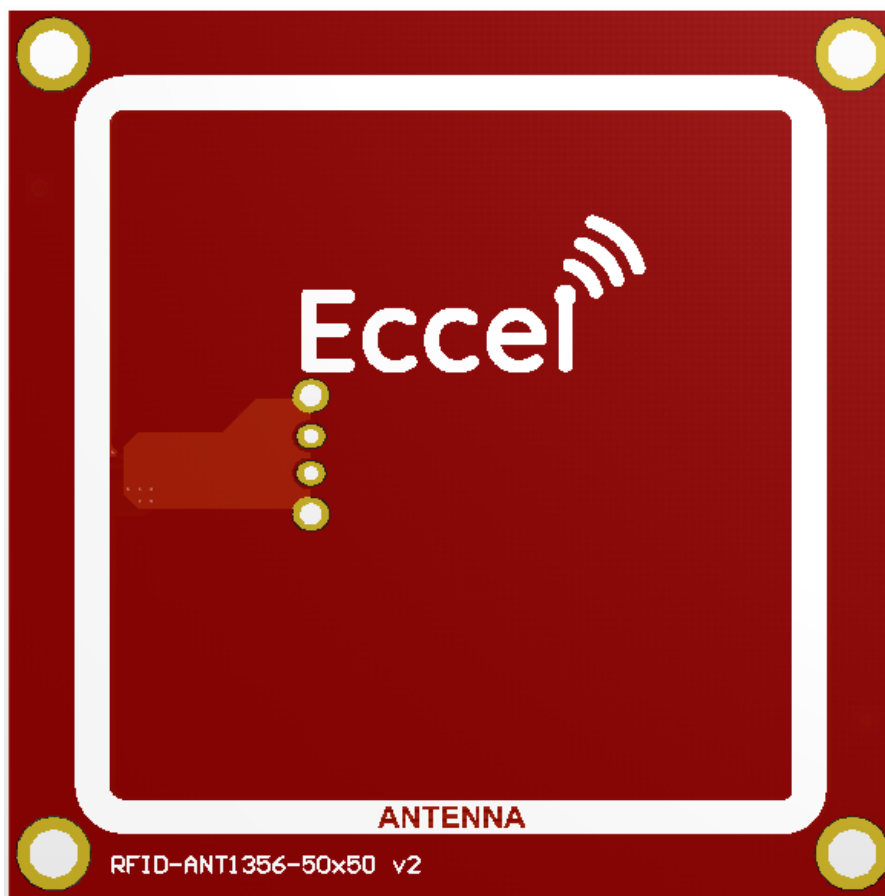
1.1.1 80x80mm x800 antenna Return Loss, SWR, Smith Chart



1.1.2 80x80mm x300 antenna Return Loss, SWR, Smith Chart

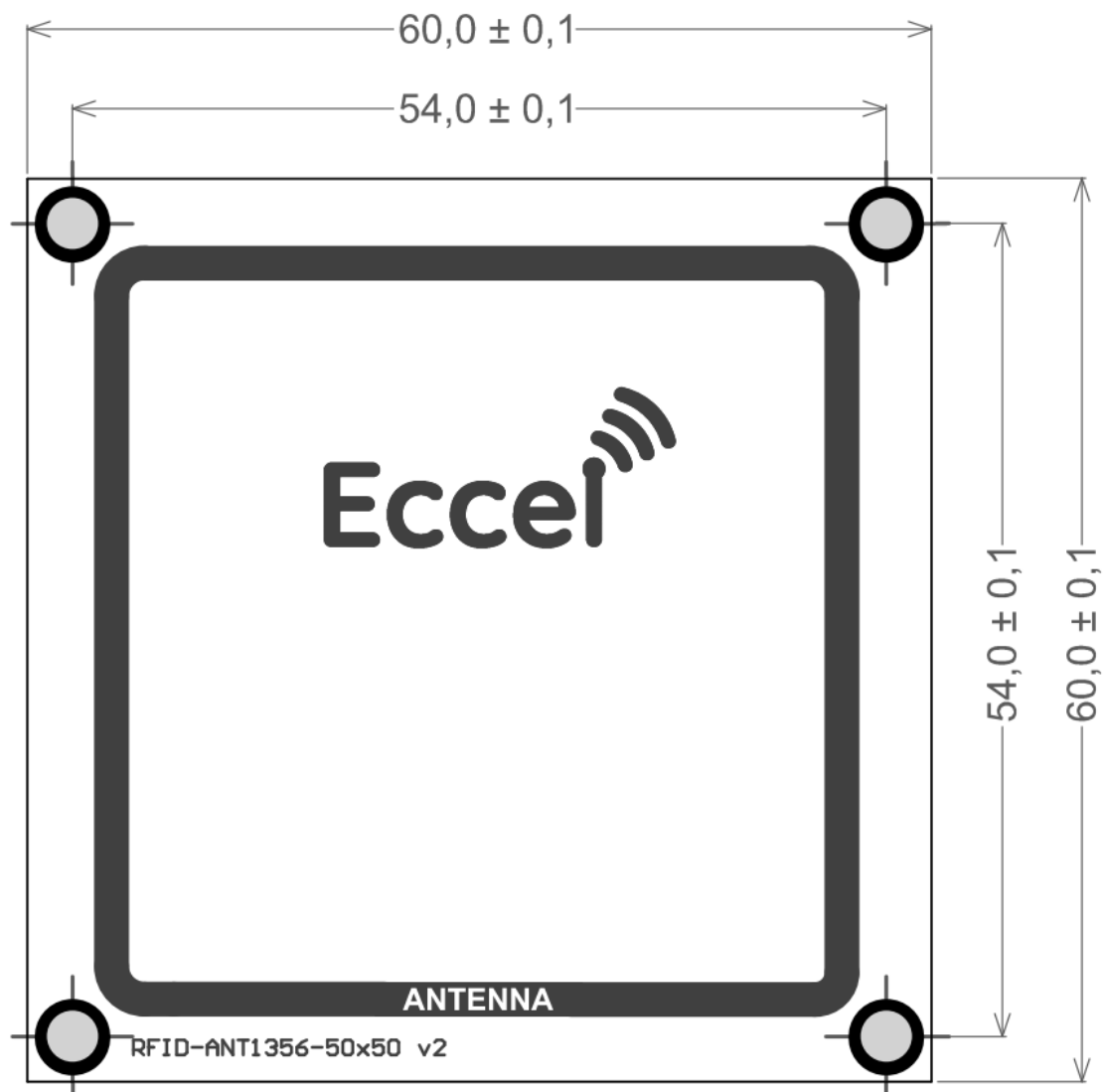


1.2 50x50mm Antennas



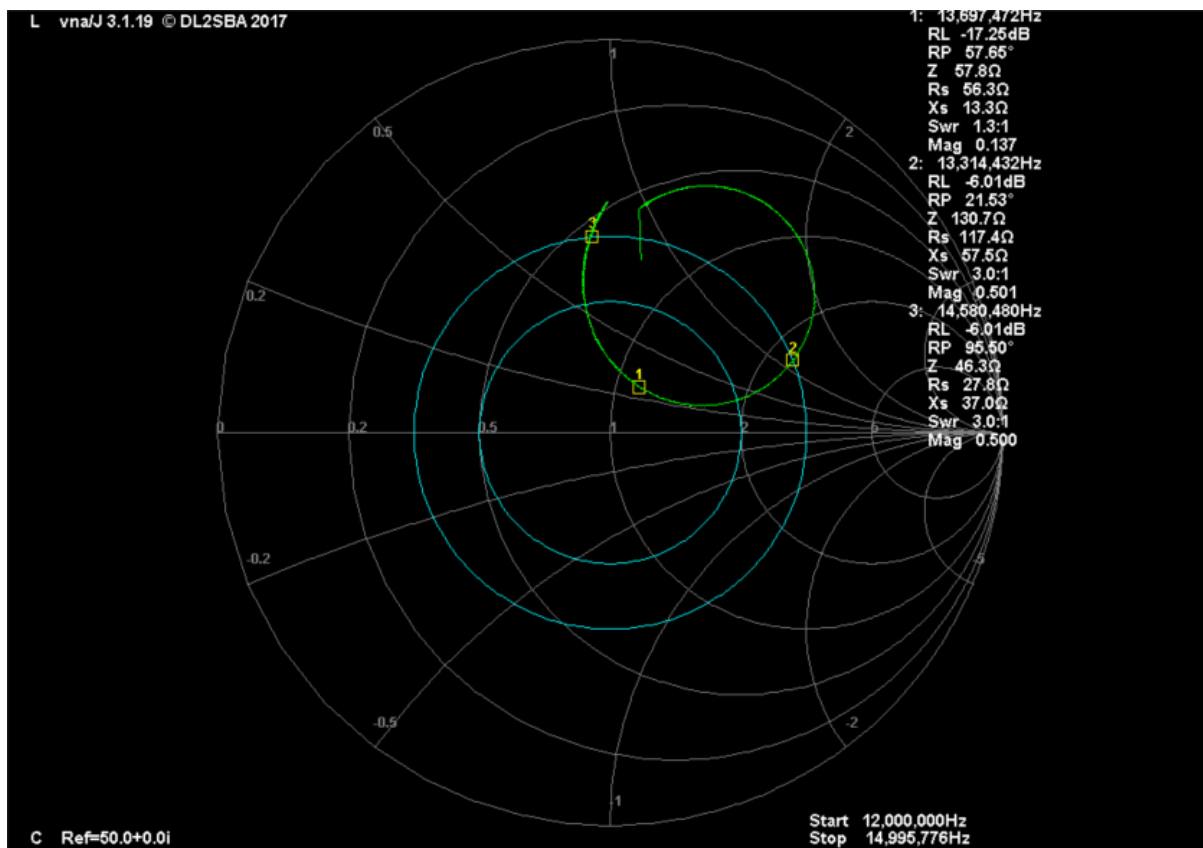
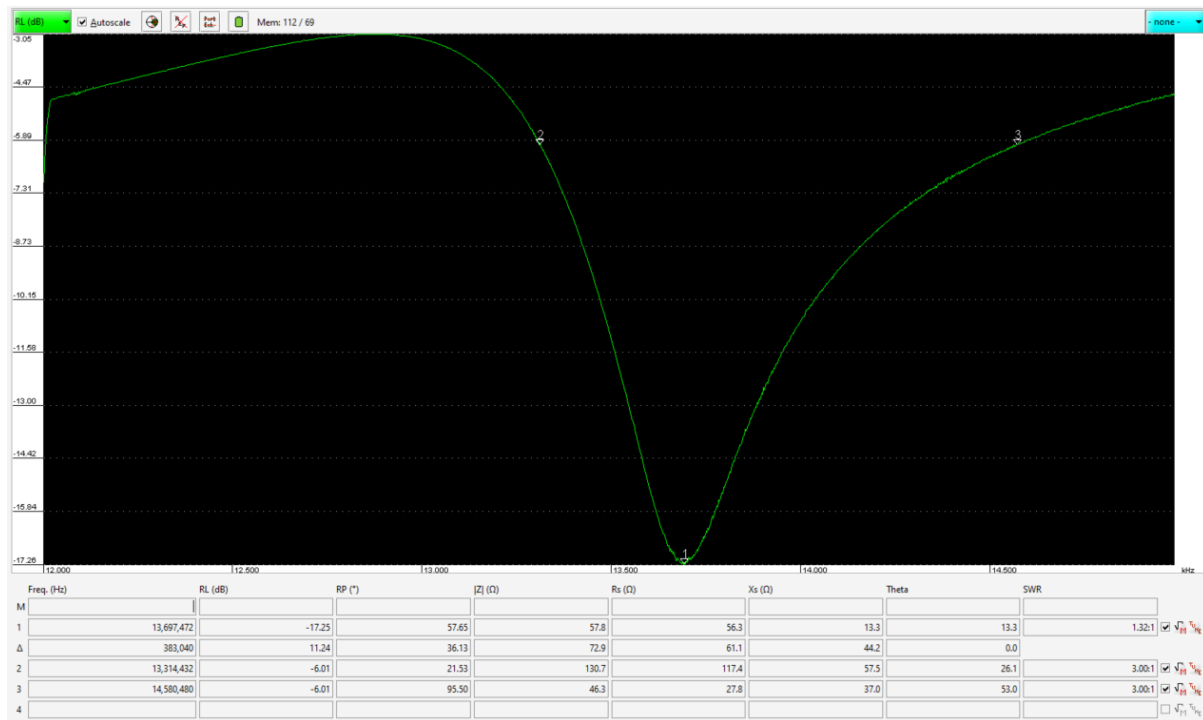
Standard specifications:

Operating frequency [MHz]	13.56
Inductance [μ H]	1.44
R_{DC} [Ω]	0.70
Operating Temperature Range	-40°C to + 85°C
Storage Temperature Range	-40°C to + 85°C
PCB dimensions: width x length x thickness [mm]	60 x 60 x 1
Coil antenna dimensions: width x length [mm]	50x50
Cable length XXX [mm]	800 or 300

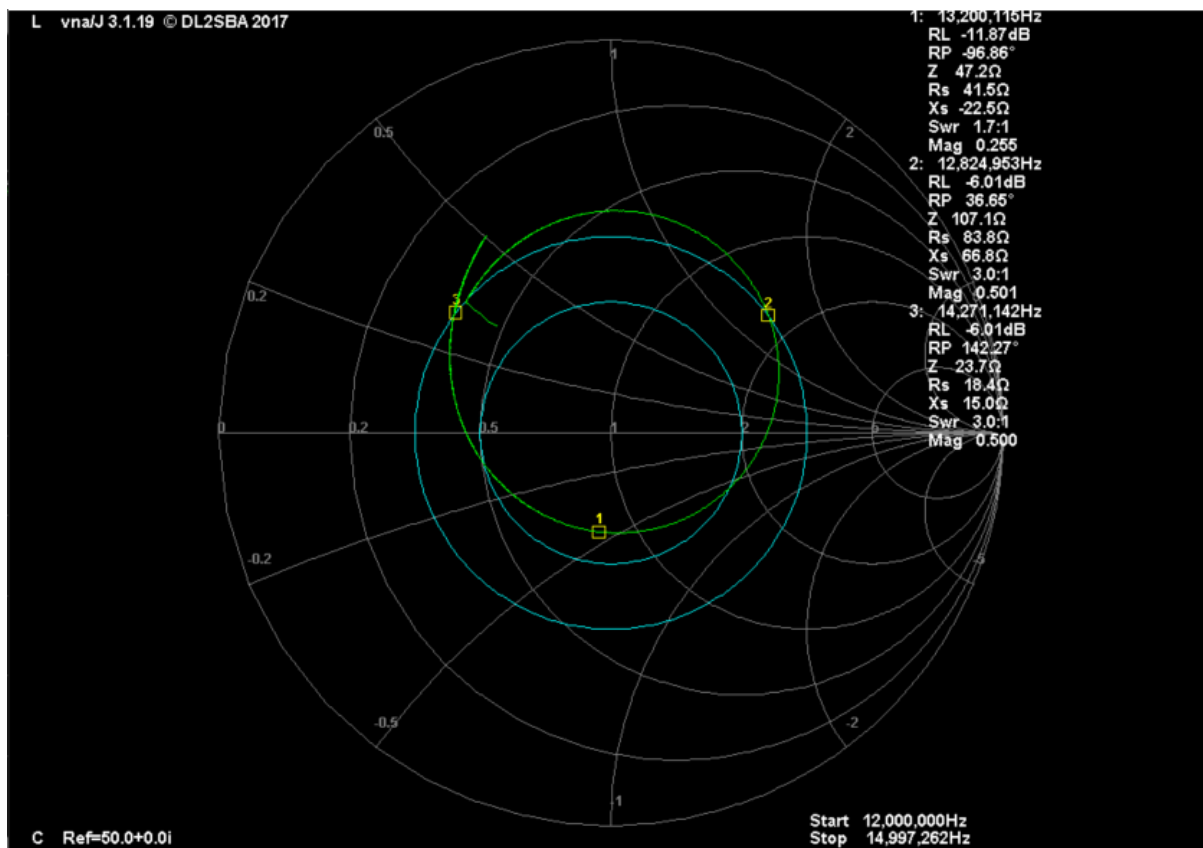
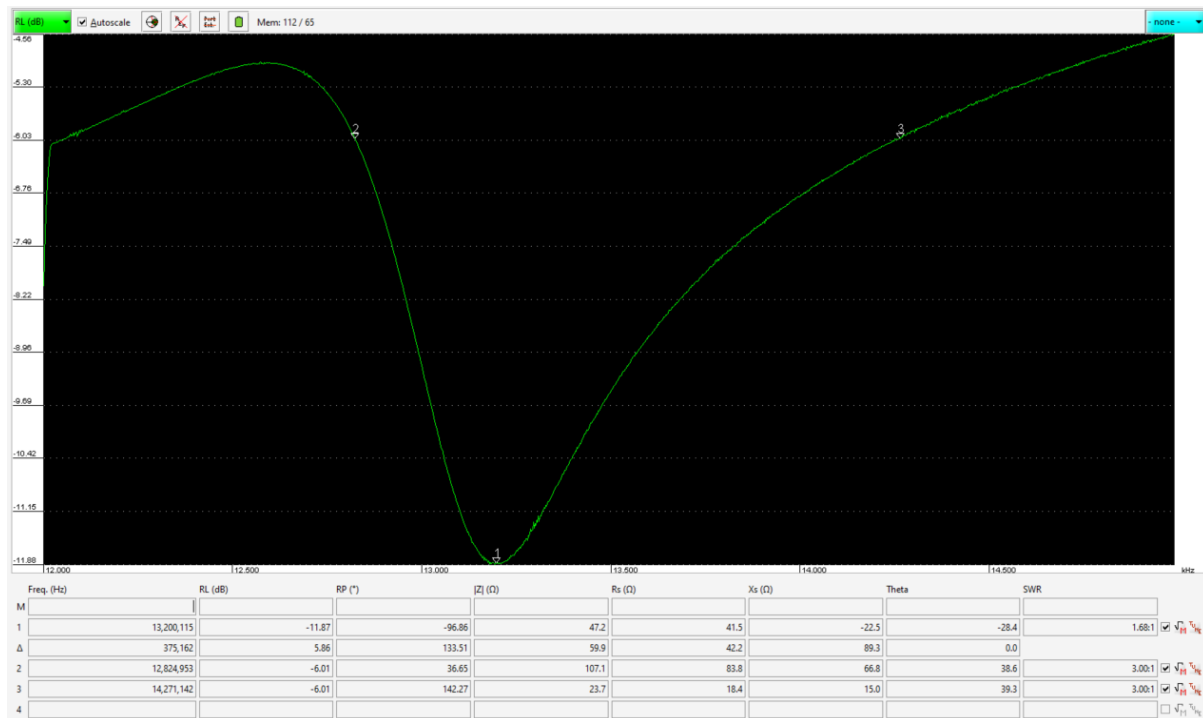


Hole size x4
Ø 3,4 mm
Outer diameter
Ø 5,0 mm

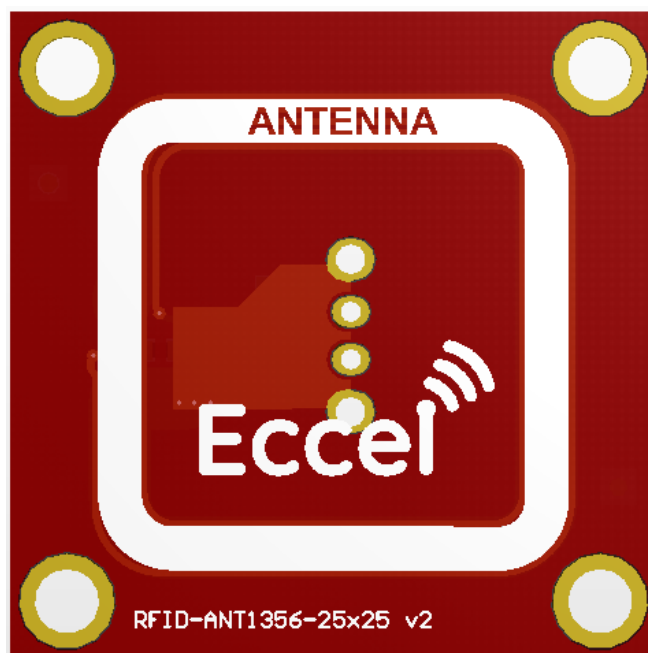
1.2.1 50x50mm x800 antenna Return Loss, SWR, Smith Chart



1.2.2 50x50mm x300 antenna Return Loss, SWR, Smith Chart

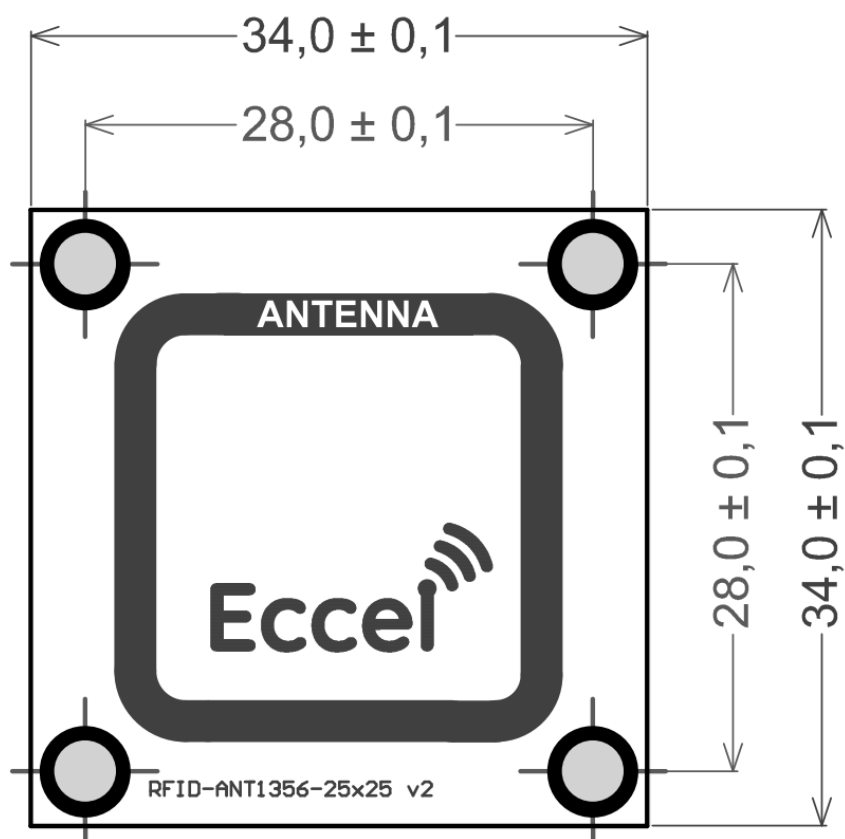


1.3 25x25mm Antennas



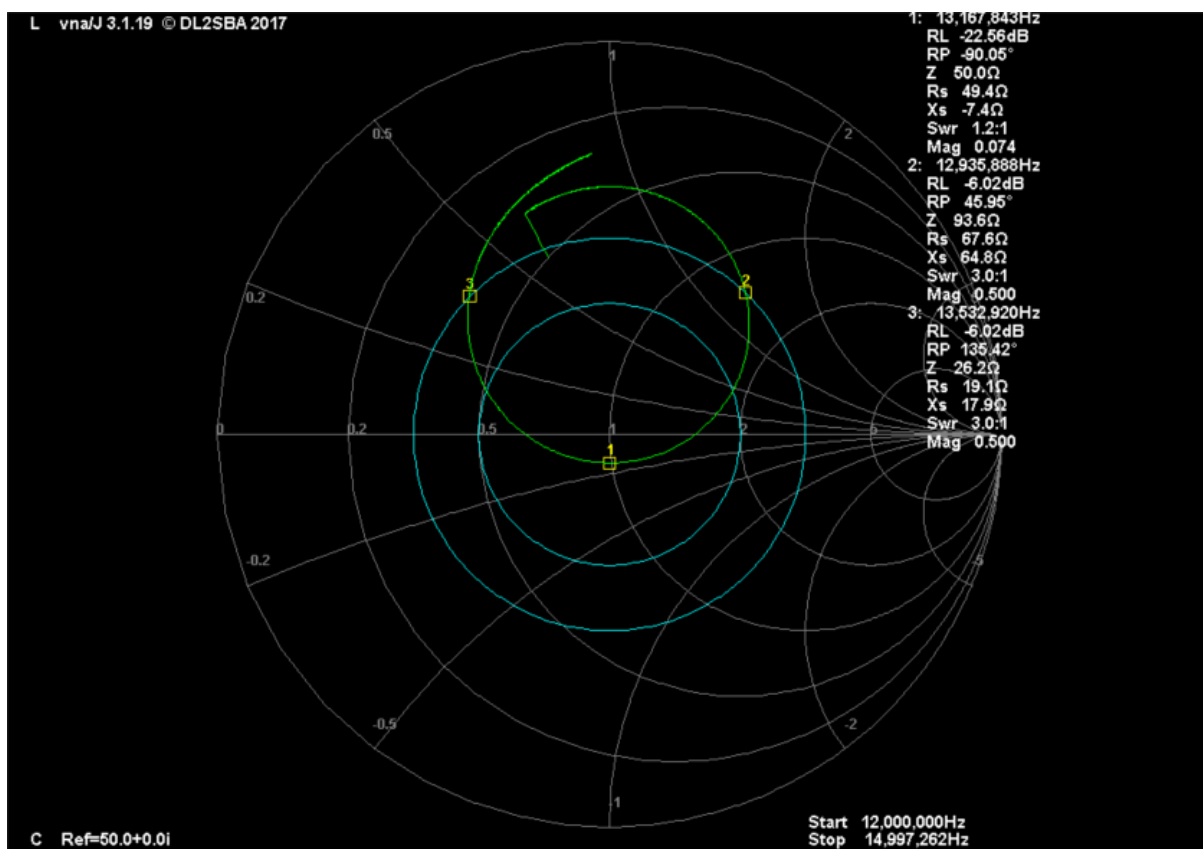
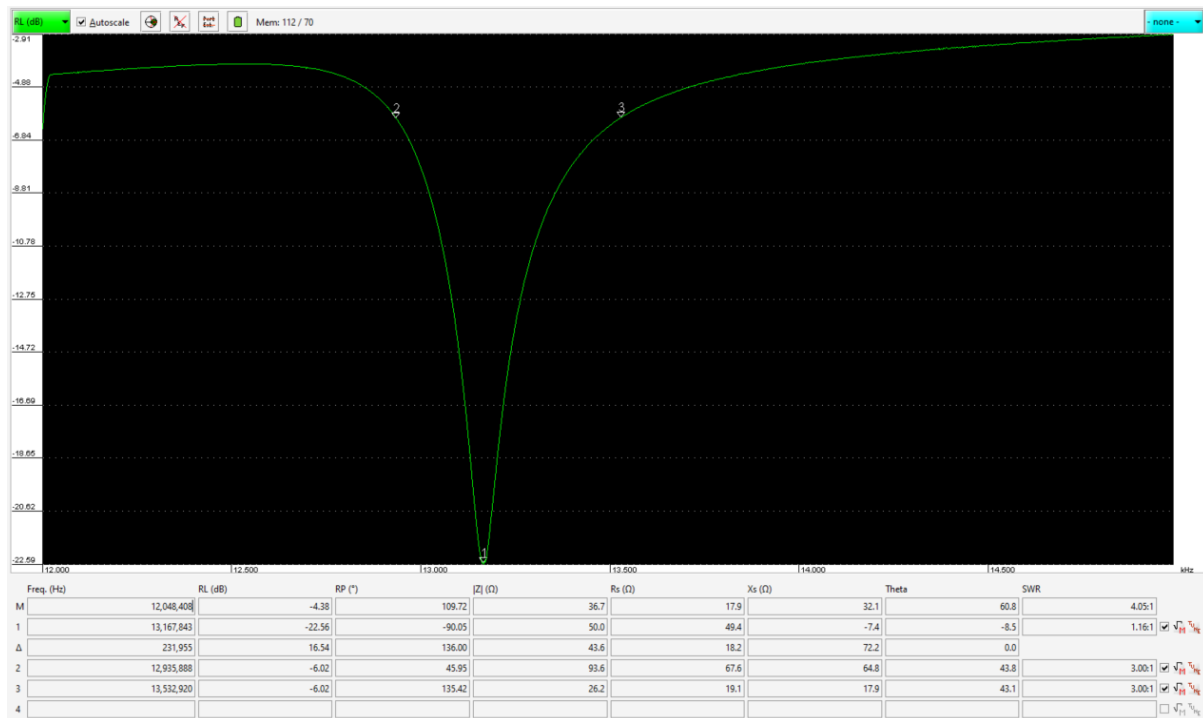
Standard specifications:

Operating frequency [MHz]	13.56
Inductance [μ H]	1.24
R_{DC} [Ω]	0.51
Operating Temperature Range	-40°C to + 85°C
Storage Temperature Range	-40°C to + 85°C
PCB dimensions: width x length x thickness [mm]	34 x 34 x 1
Coil antenna dimensions: width x length [mm]	25 x 25
Cable length XXX [mm]	800 or 300

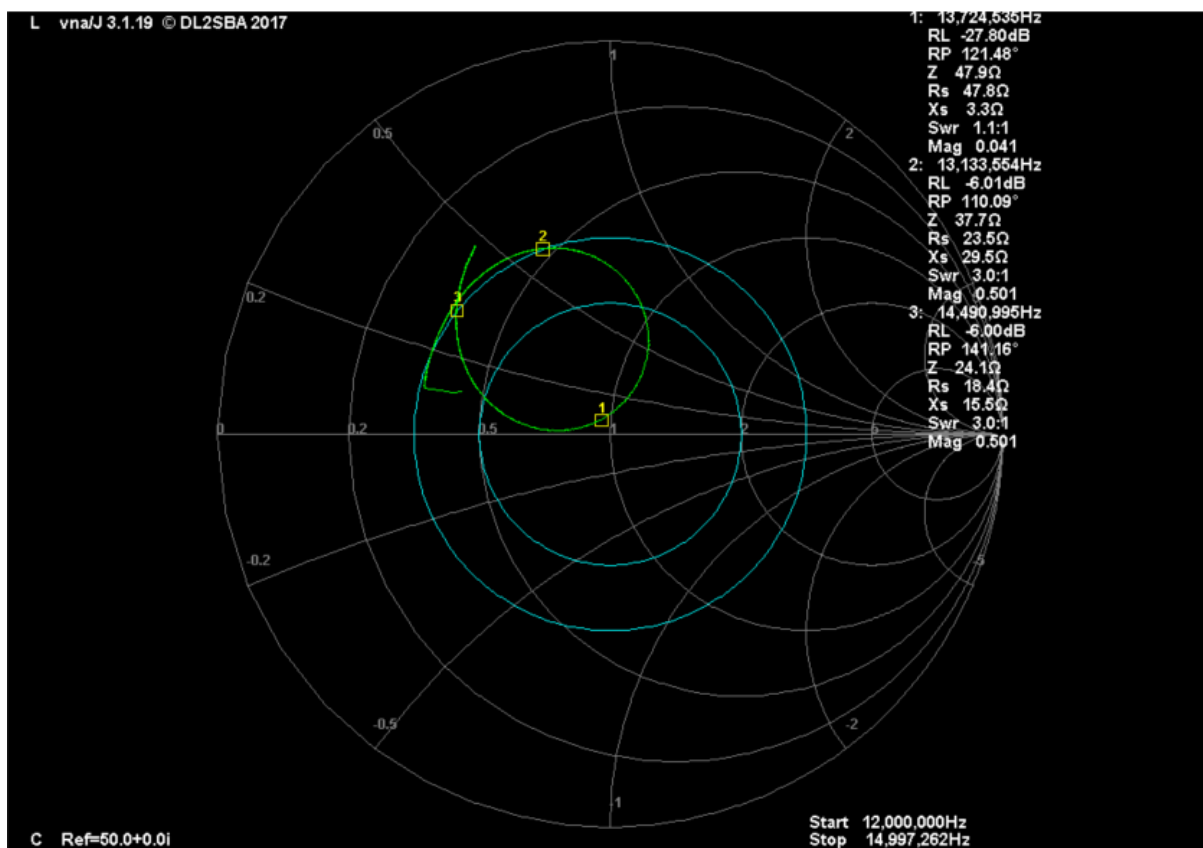
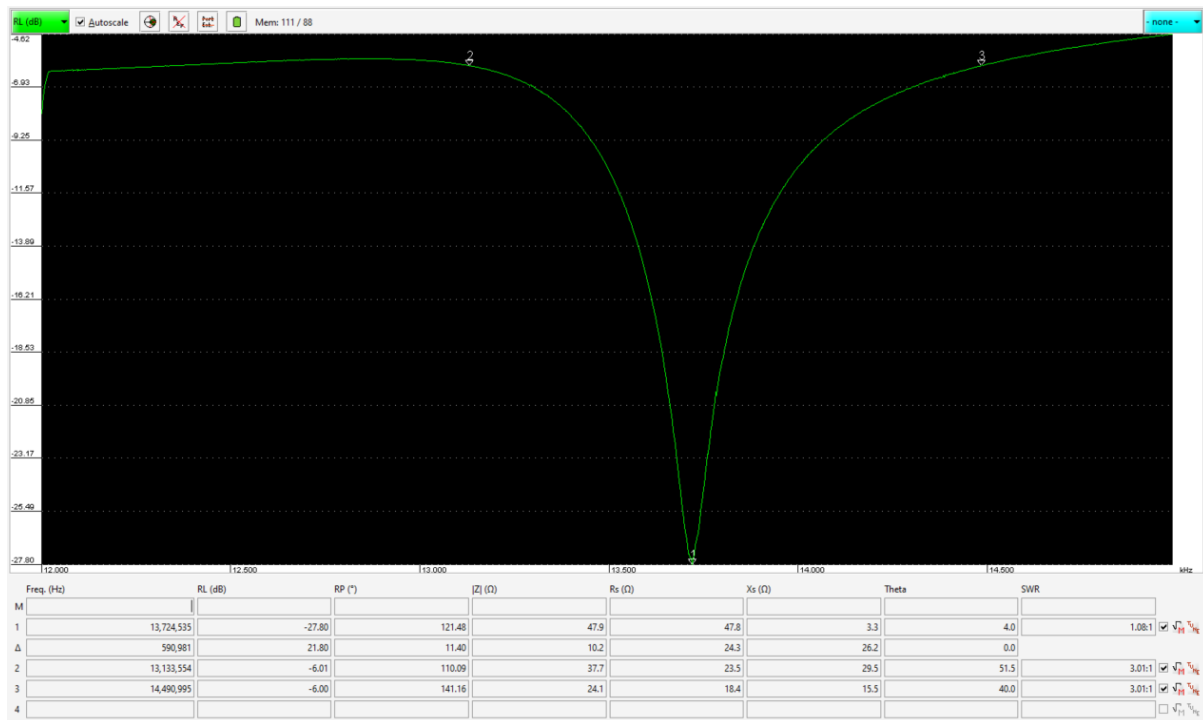


Hole size x4
Ø 3,4 mm
Outer diameter
Ø 5,0 mm

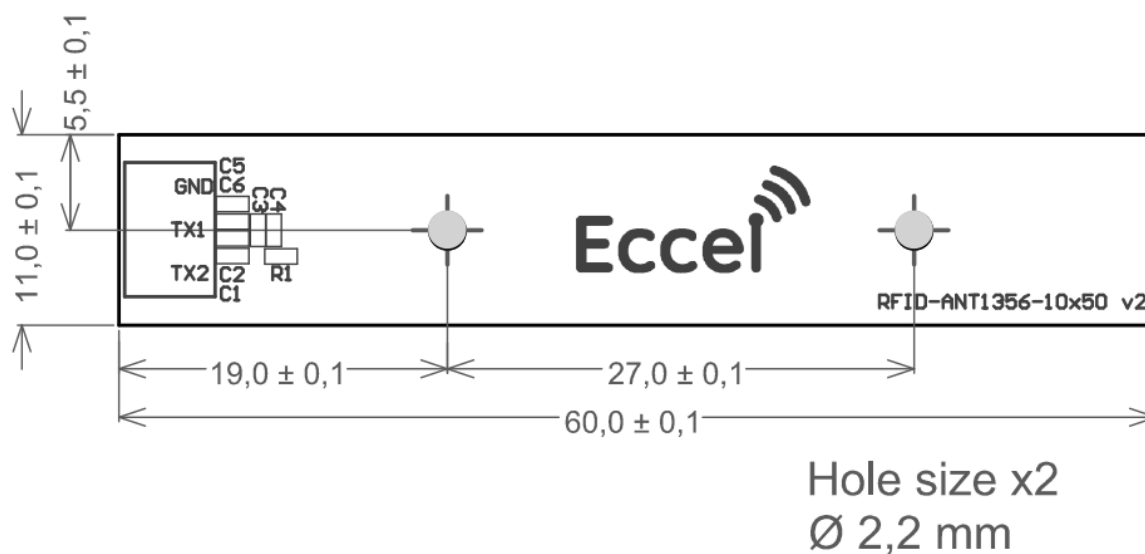
1.3.1 25x25mm x800 antenna Return Loss, SWR, Smith Chart



1.3.2 25x25mm x300 antenna Return Loss, SWR, Smith Chart



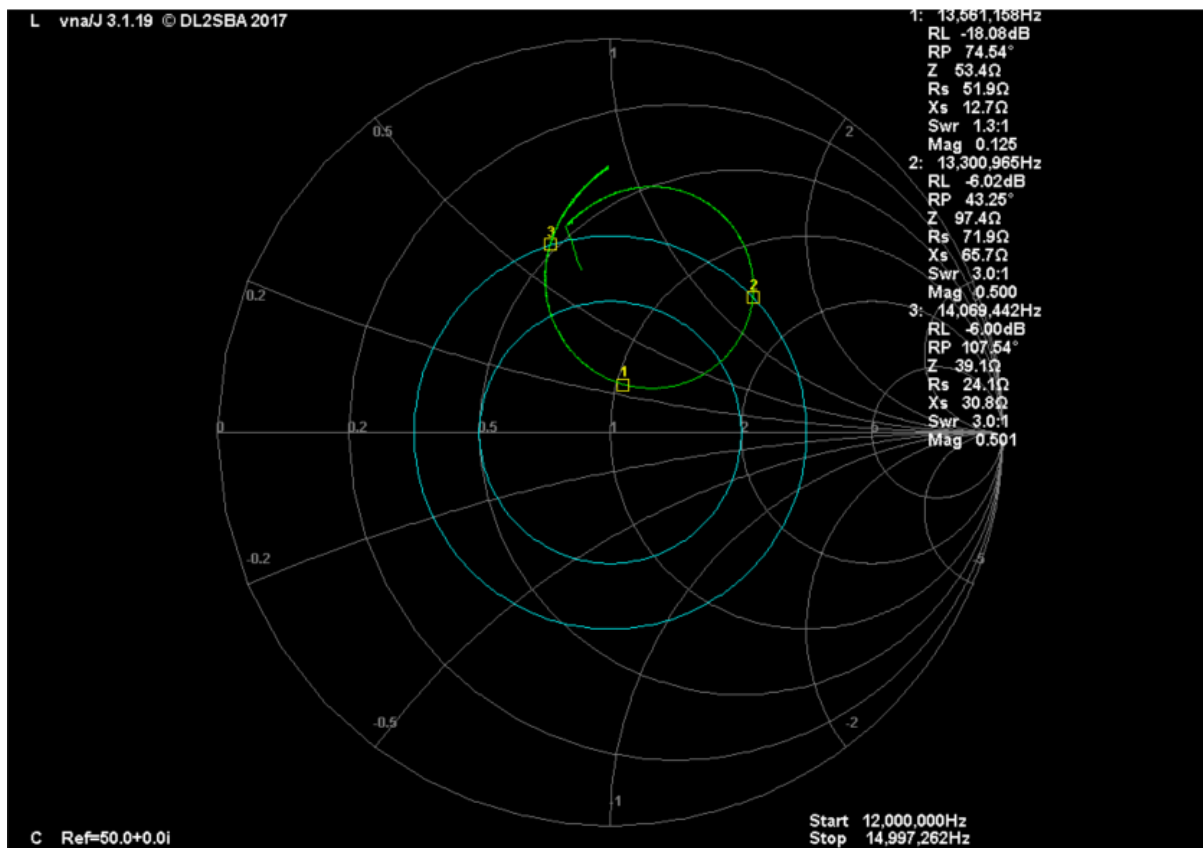
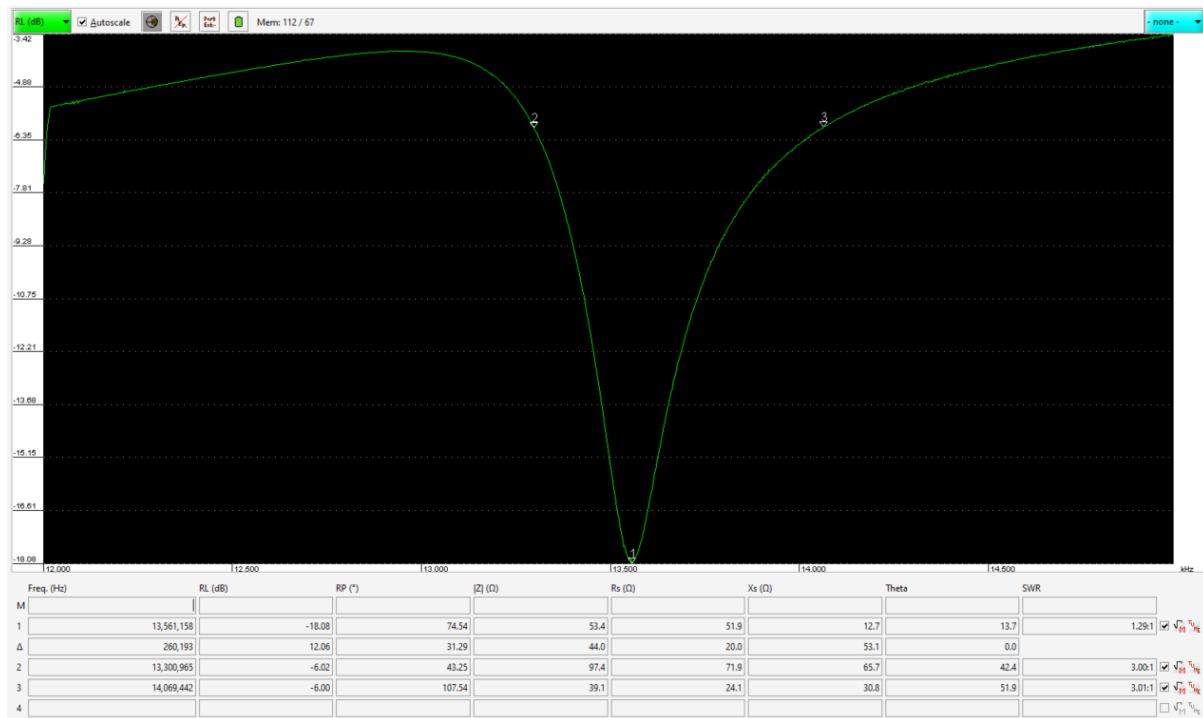
1.4 10x50mm Antennas



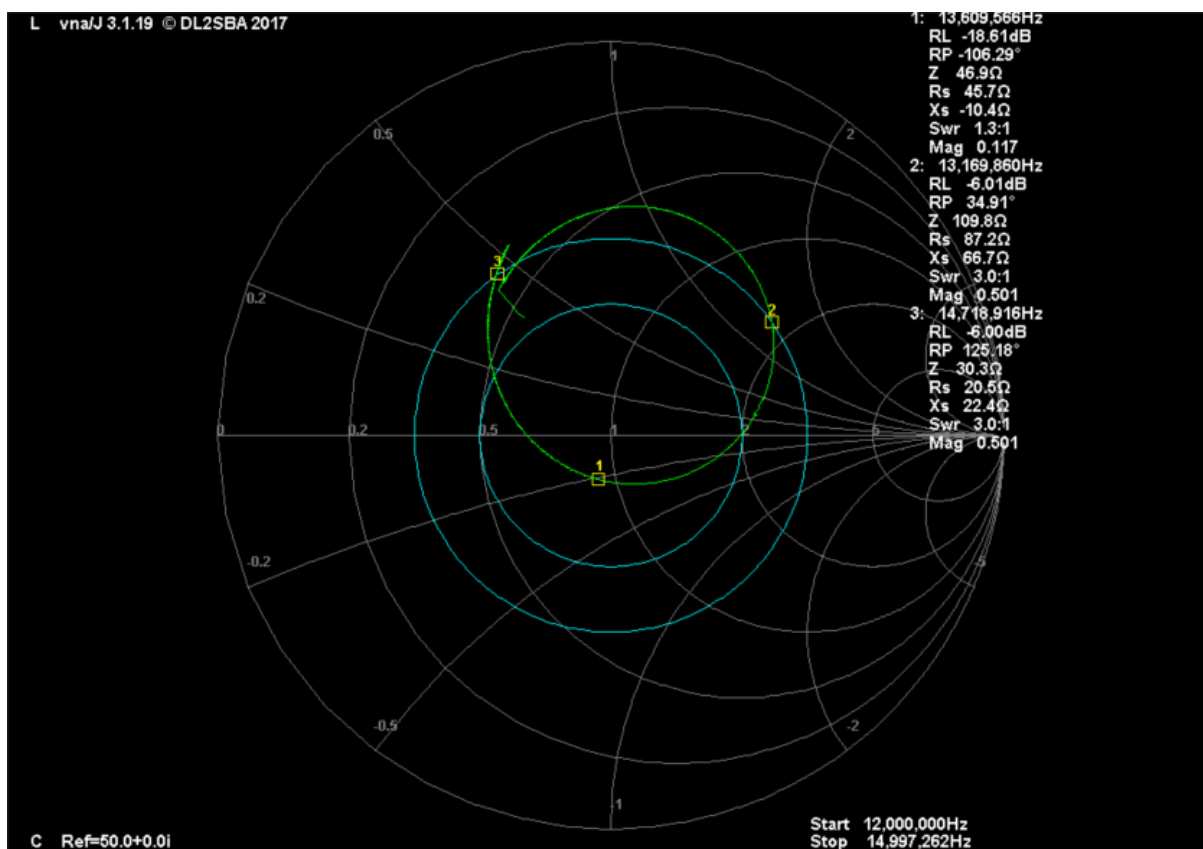
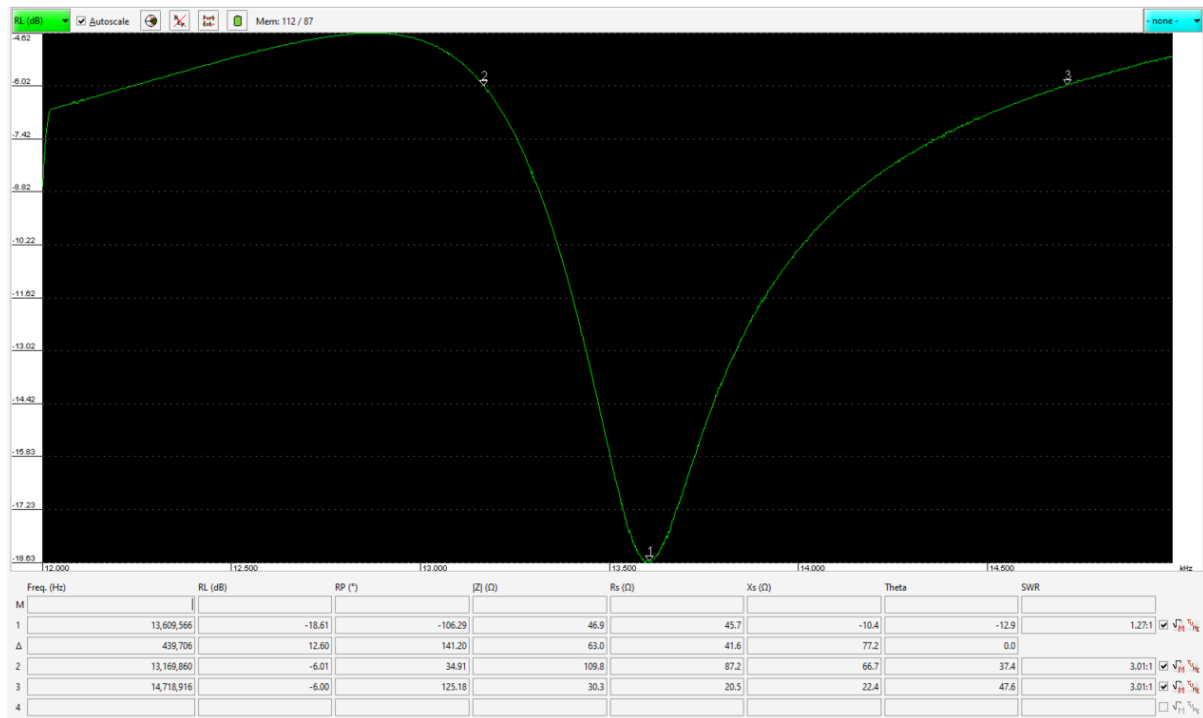
Standard specifications:

Operating frequency [MHz]	13.56
Inductance [uH]	0.97
R _{DC} [Ω]	0.62
Operating Temperature Range	-40°C to + 85°C
Storage Temperature Range	-40°C to + 85°C
PCB dimensions: width x length x thickness [mm]	11 x 60 x 1
Coil antenna dimensions: width x length [mm]	10 x 50
Cable length XXX [mm]	800 or 300

1.4.1 10x50mm x800 antenna Return Loss, SWR, Smith Chart

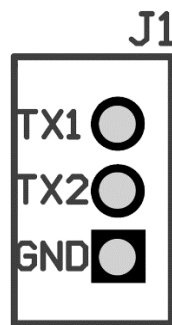


1.4.2 10x50mm x300 antenna Return Loss, SWR, Smith Chart



2

Pinout



TX1 – Antenna TX1

TX2 – Antenna TX2

GND – Ground

PCB antenna products can be customized as per application requirements. Parameters such as the dimensions or shape of the coil or its inductance can be altered. Antennas are provided with 2-conductor shielded cable, in lengths of 300 mm or 800mm, and terminated with a 3-pin connector JST PHR-3 (RS Stock No. 820-1475).