Project file Module M21: Visual Description

Title	
2.1 Visual Description	

Responsible	creating system
Volker Biermann	MS-Word

Author	document type
Volker Biermann	doc

Filling	KM-tool
Design history file	tbd

filling name and path
RCA-Products Sted\Non-medical devices\01_NE108-001_RFID_Module\NE108-001_RFID Module-up-date 2018 work in progress\FCC

Released

Name	date	signature
Volker Biermann	2018-11-14	V. Bi

1 Visual Description 2
2 Presentation of M21 2
3 Presentation of the integration of M21 in the System 4
3.1 Presentation of the integration of M21 in the system Evita Family 4
3.2 Presentation of the integration of M21 in the system Primus IE 4
3.3 Presentation of the integration of M21 in the system Perseus A500 5
3.4 Presentation of the integration of M21 in the system Atlan Family 5
4 Presentation of the Antennas (associated accessory) 6
4.1 Presentation of the Antennas (Evita Family) 6
4.2 Presentation of the Antennas (Primus IE) 8
4.3 Presentation of the Antennas (Perseus A500) 12
4.4 Presentation of the Antennas (Atlan Family) 17
5 Presentation of the Antennas connected with Module M21 22
5.1 Antennas Evita Family connected with the Module M21 22
5.2 Antennas Primus IE connected with the Module M21 22
5.3 Antennas Perseus A500 connected with Module M21 23
5.4 Antennas Atlan Family connected with Module M21 23

1 Visual Description

This description shows the module M21.

Module M21 part number : MP02001
Module M21.2 part number : MP02101

2 Presentation of M21

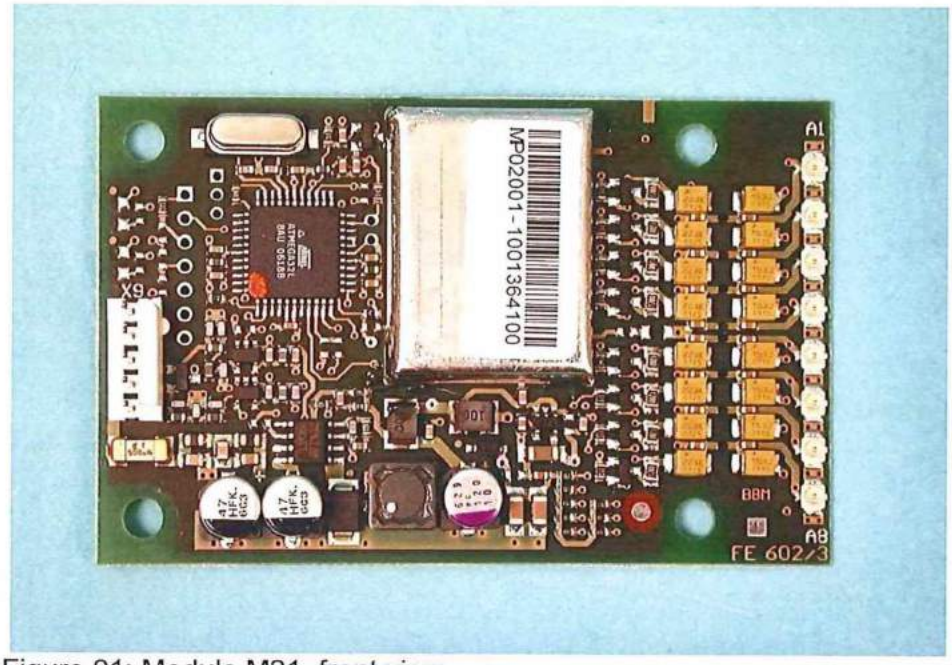


Figure 01: Module M21, front view

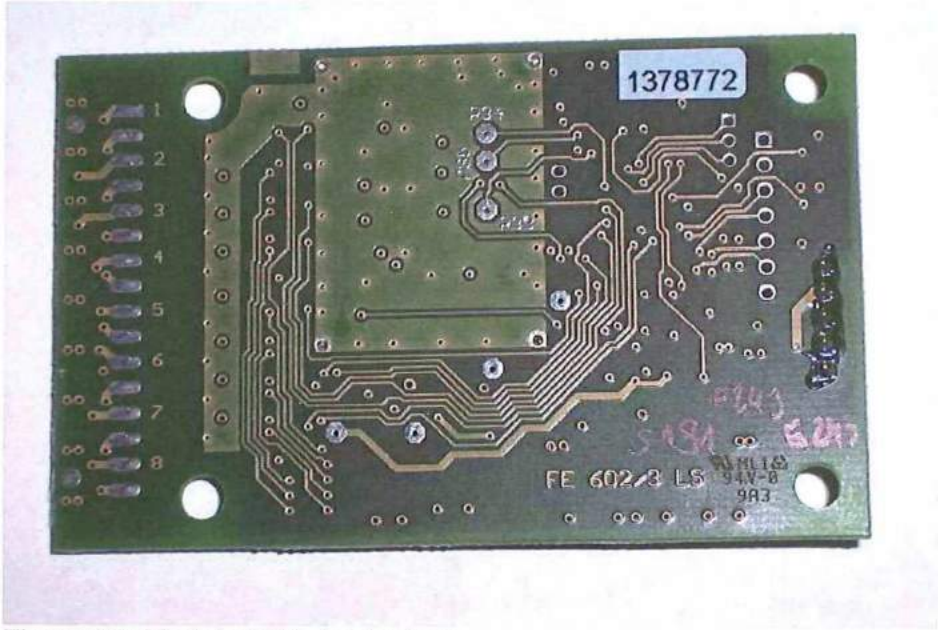


Figure 02: Module M21, back view

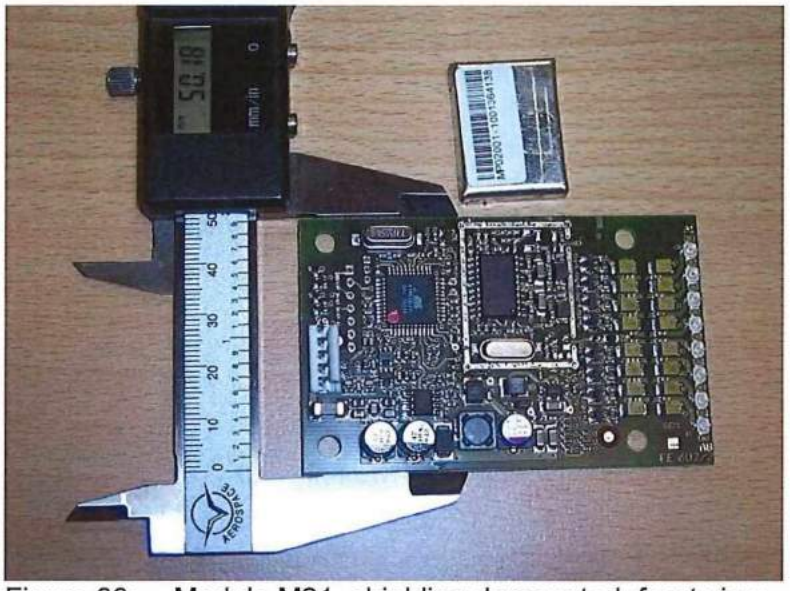


Figure 03: Module M21, shielding demounted, front view

3 Presentation of the integration of M21 in the System

3.1 Presentation of the integration of M21 in the system Evita Family

Evita Family consists of V500 / VN 500 / V300

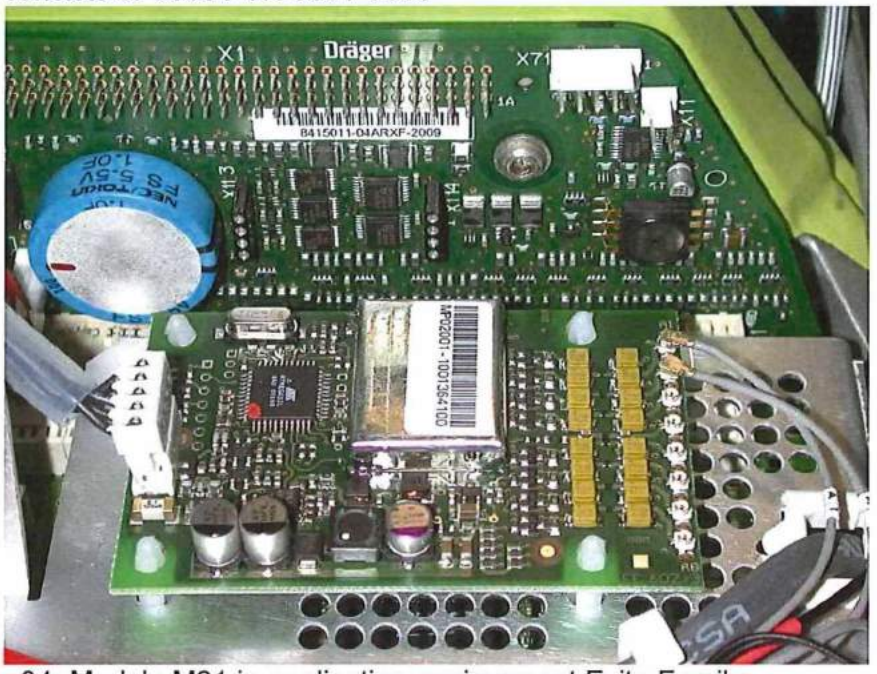


Figure 04: Module M21 in application environment Evita Family

3.2 Presentation of the integration of M21 in the system Primus IE

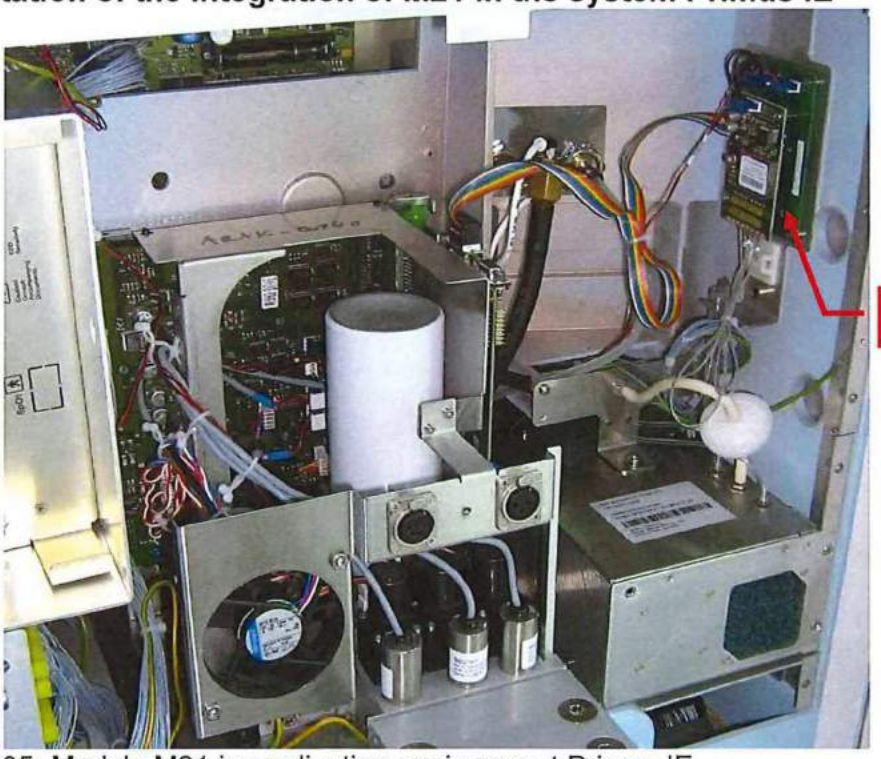


Figure 05: Module M21 in application environment Primus IE

3.3 Presentation of the integration of M21 in the system Perseus A500

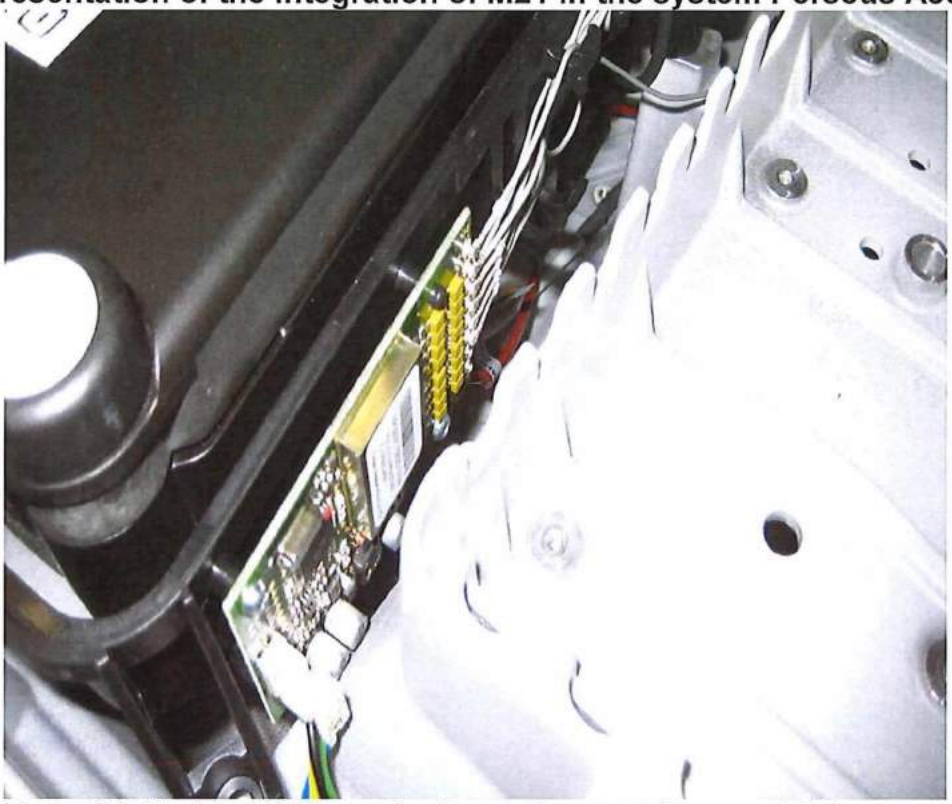


Figure 06: Module M21 in application environment Perseus A500

3.4 Presentation of the integration of M21 in the system Atlan Family

Atlan Family consists of A300 / A300 XL / A350 / A350 XL

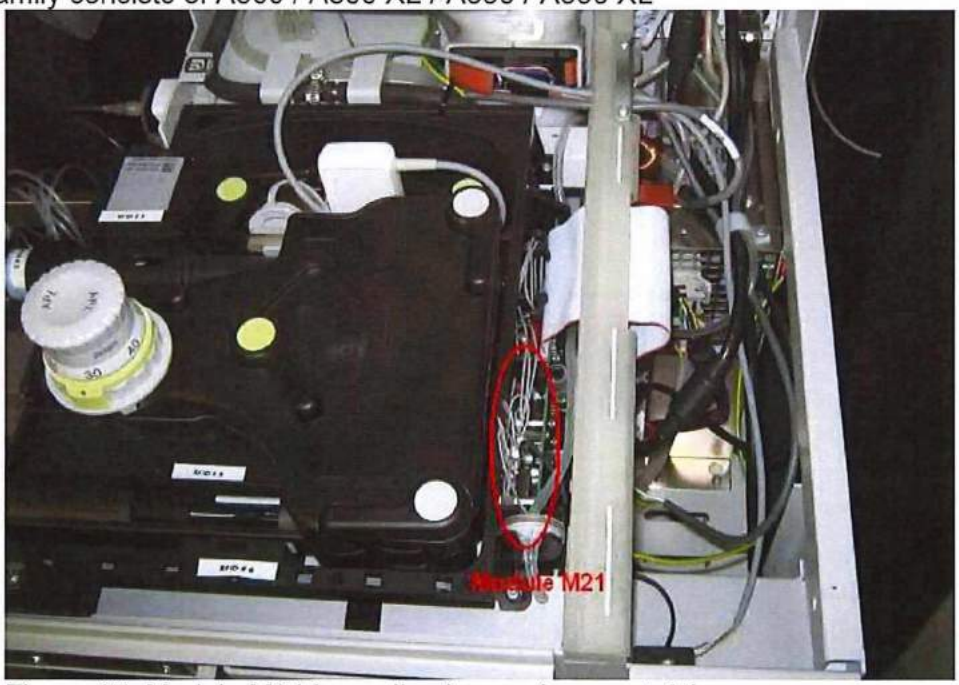


Figure 07: Module M21 in application environment Atlan

4 Presentation of the Antennas (associated accessory)

4.1 Presentation of the Antennas (Evita Family)

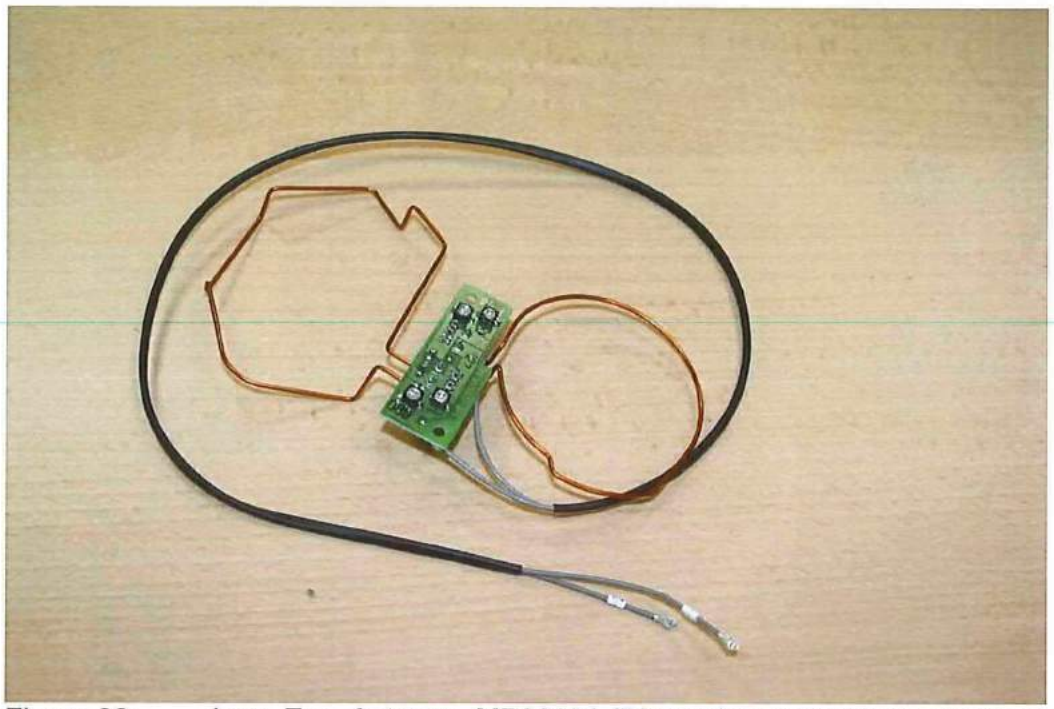


Figure 08: Insp. Exp. Antenna, MP02021 (Dimension appr. 80mm x 70mm each)

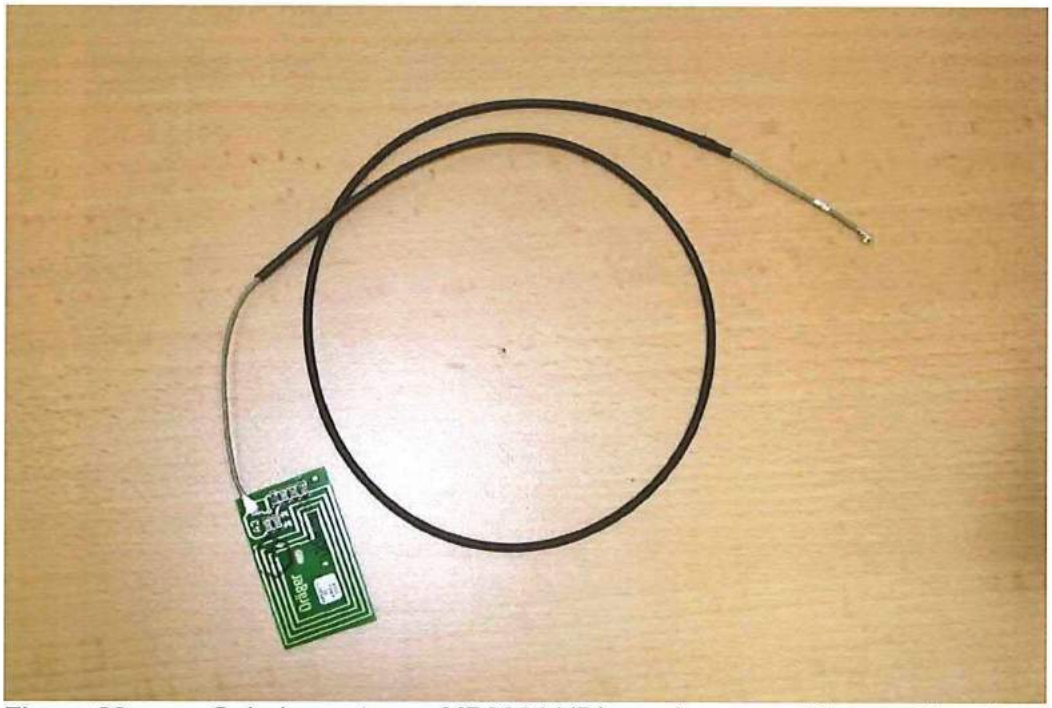


Figure 09: Spirolog antenna MP02011(Dimension appr. 40mm x 25mm)

Figure 10: The Inspiration- (Pos.61), Expiration- (Pos. 63) and the Spirolog- (Pos. 67) antennas application environment

4.2 Presentation of the Antennas (Primus IE)

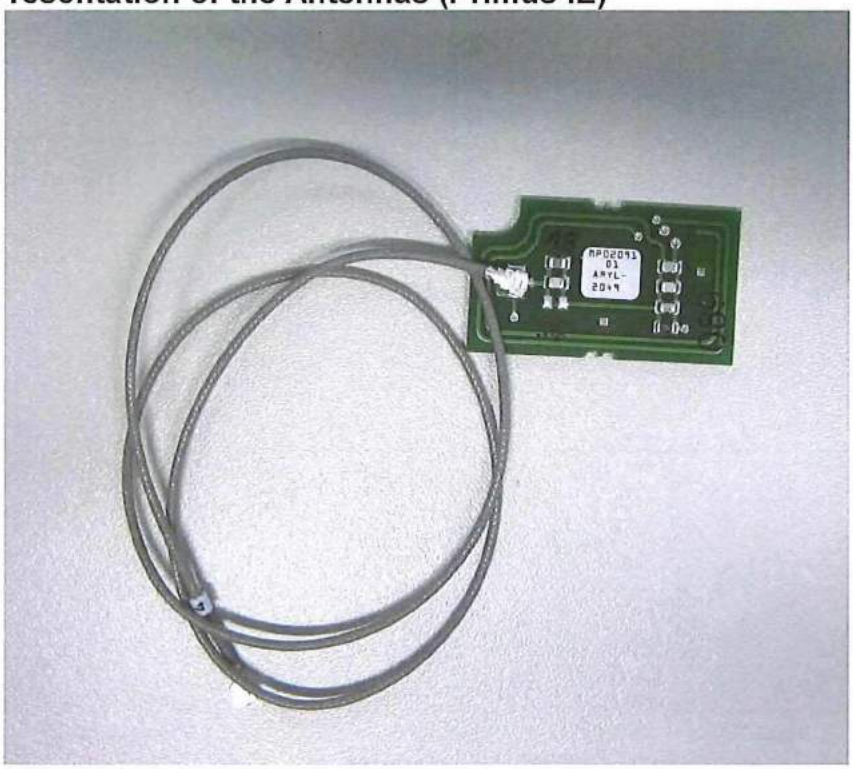


Figure 11: Antenna WAL, MP02091

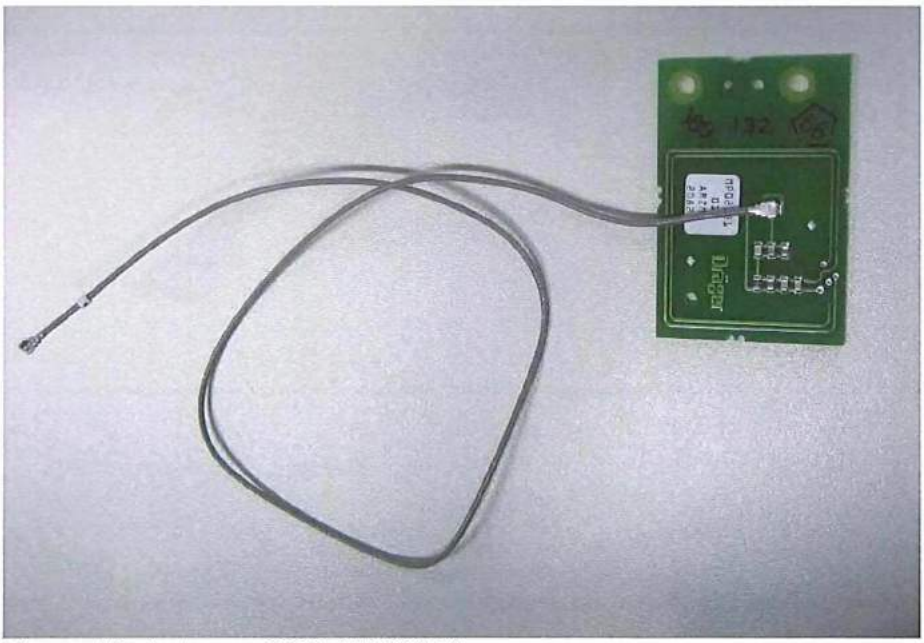


Figure 12: Antenna CO2, MP02131

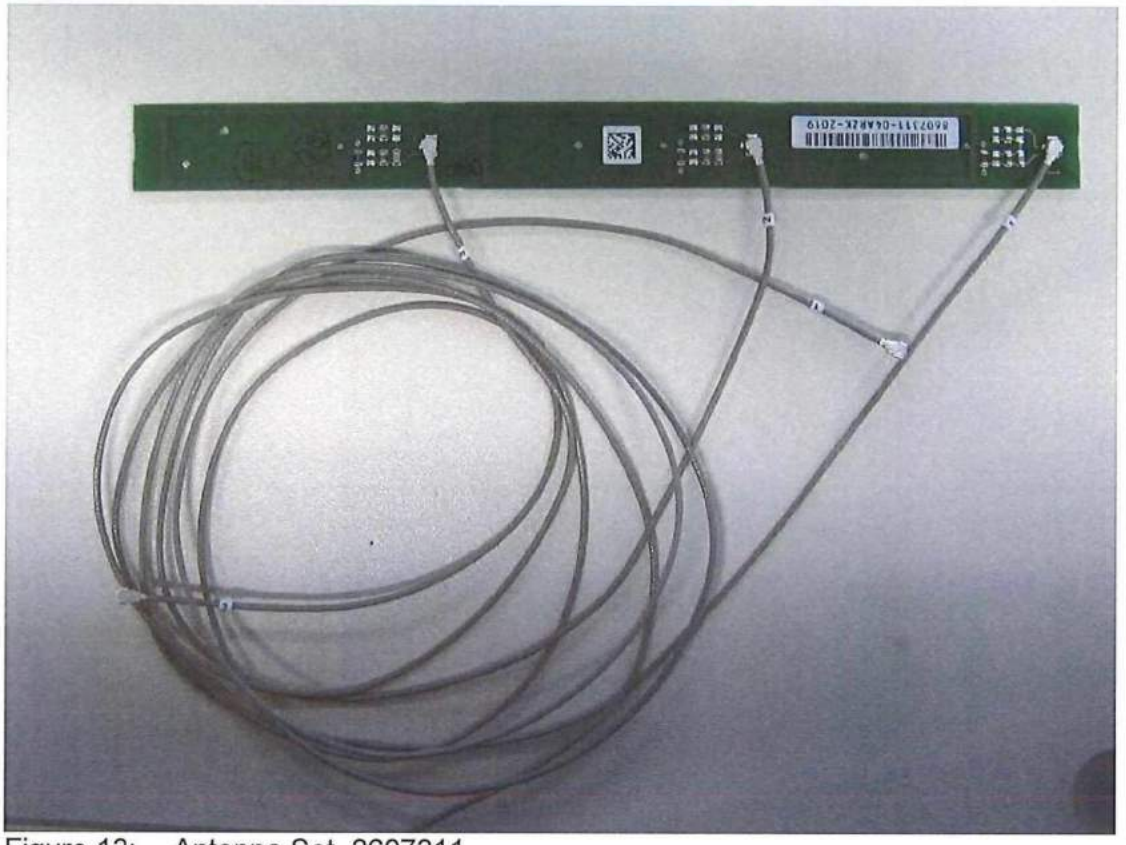


Figure 13: Antenna Set, 8607311

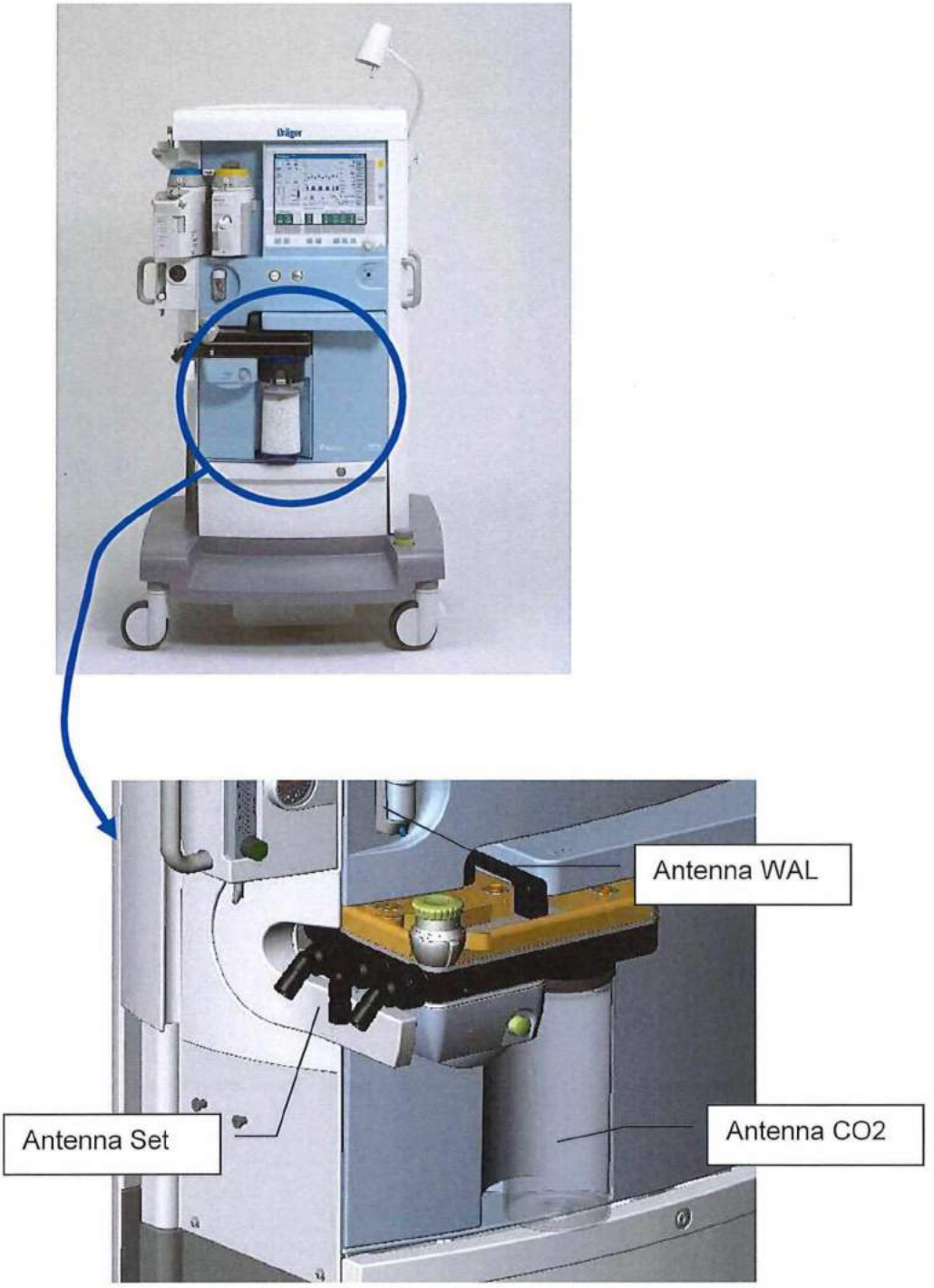


Figure 14: Placement of Antennas in Primus IE

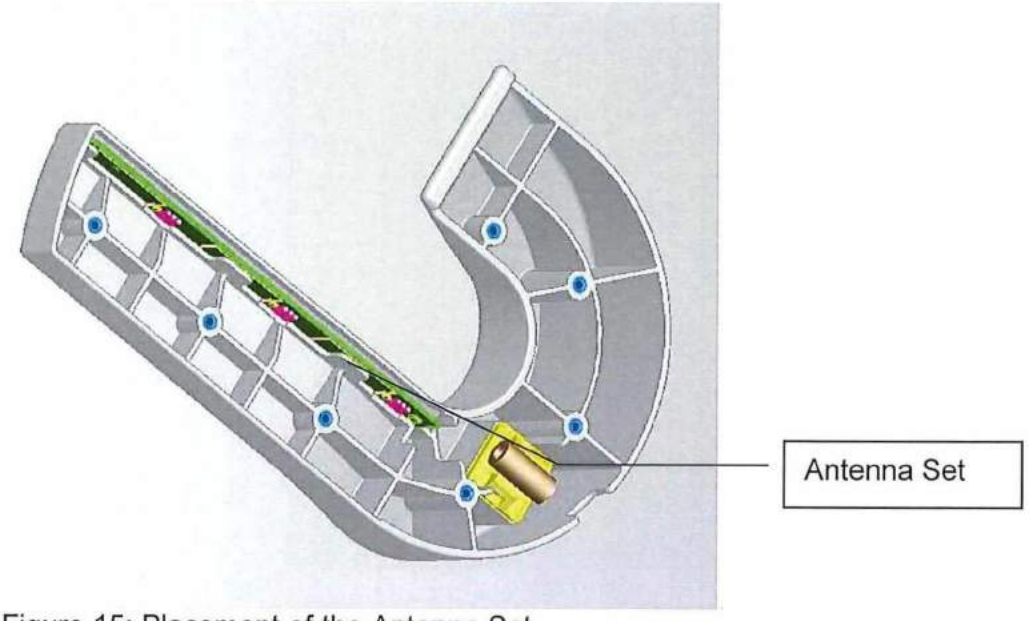


Figure 15: Placement of the Antenna Set

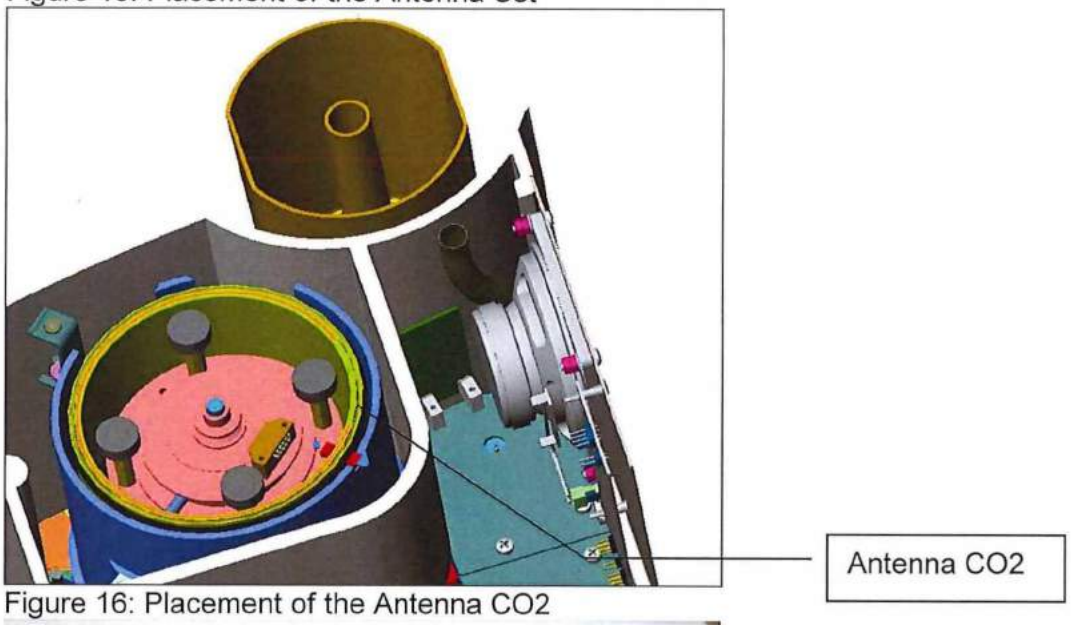


Figure 16: Placement of the Antenna CO2

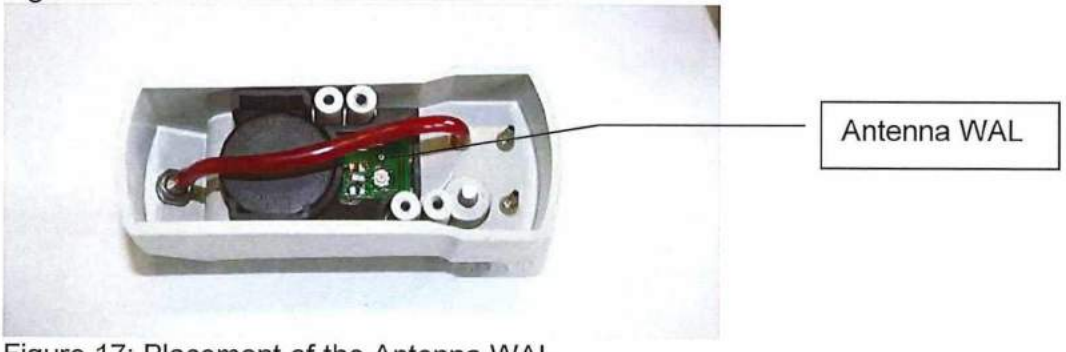


Figure 17: Placement of the Antenna WAL

4.3 Presentation of the Antennas (Perseus A500)

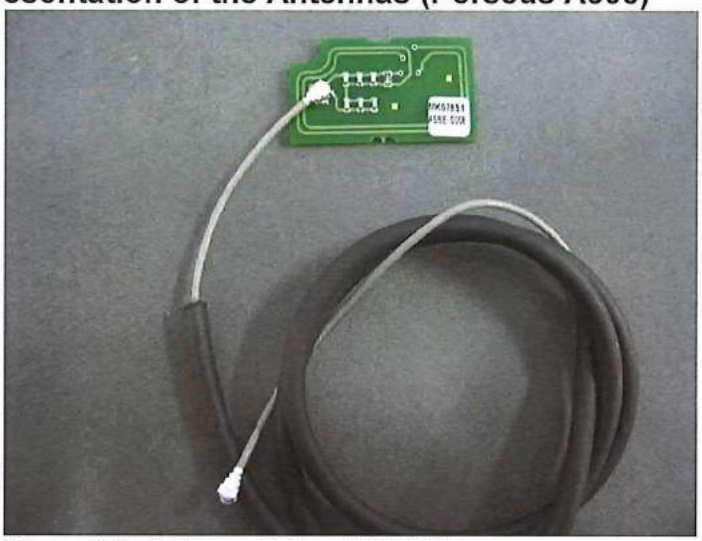


Figure 18: Antenna WAL, MK07891

Figure 19: Antenna CO2, MK07491

Figure 20: Antenna Flow In, MK07486

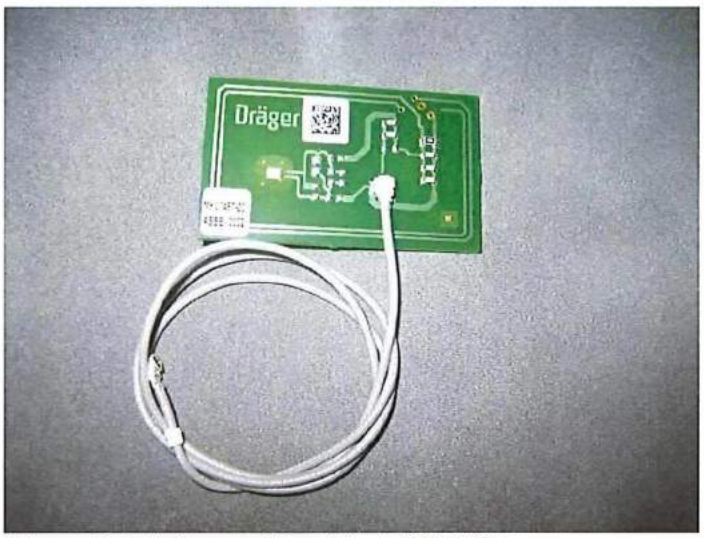
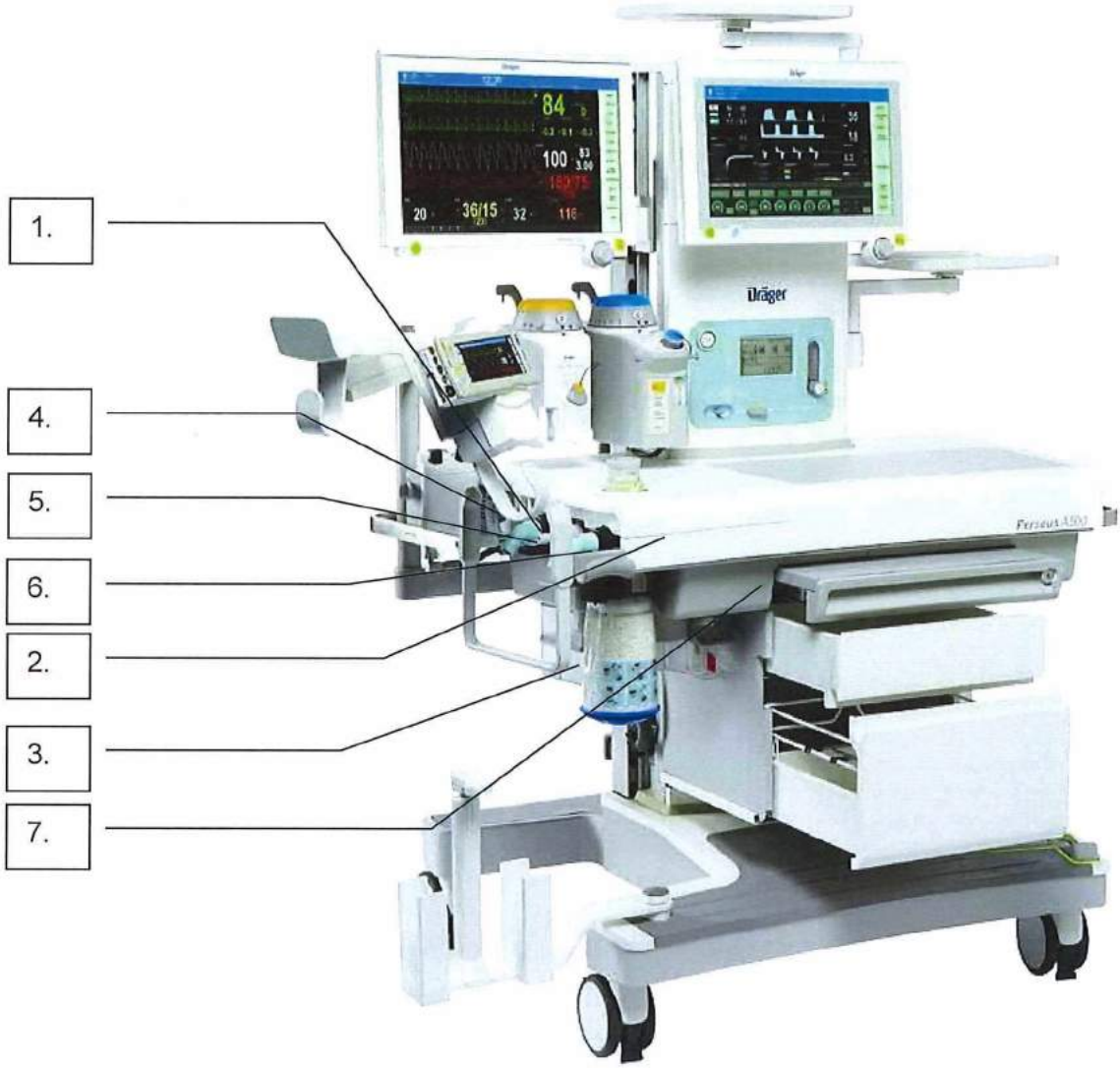


Figure 21: Antenna Flow Ex, MK07487

Figure 22: Antenna Breath In, MK07476

Figure 23: Antenna Breath Ex, MK07477



		Height from floor [mm]	Wide from Front [mm]	Length from opposite [mm]	
1. MK07486	Antenna Flow In	780	200	47	Identical antenna design
2. MK07487	Antenna Flow Ex	780	10	160	
3. MK07491	Antenna CO2	620	200	50	
4. MK07891	Antenna WAL	740	350	10	
5. MK07476	Antenna Breath In	740	190	20	Identical antenna design
6. MK07477	Antenna Breath Ex	740	20	20	
7. MP02001	Module M21	780	70	320	

Figure 24: General Placement of Antennas in Perseus A500

Figure 25: Placement of Antenna WAL, MK07891 in Perseus A500

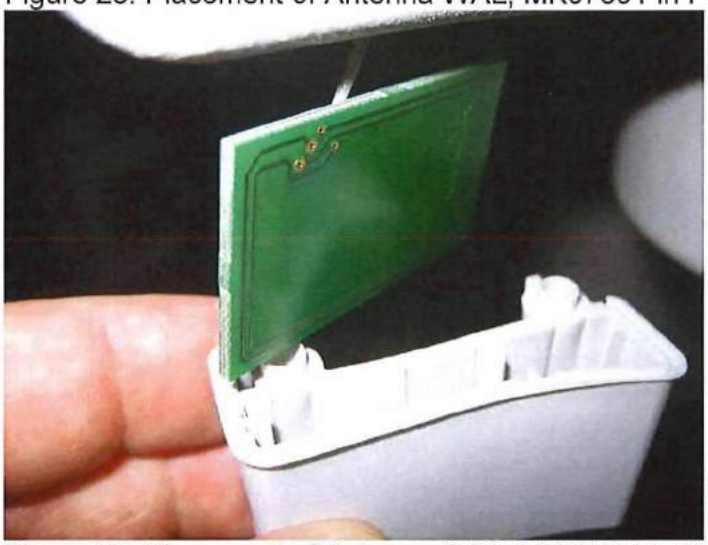


Figure 26: Placement of Antenna CO2, MK07491 in Perseus A500

Figure 27: Placement of Antenna Flow In, MK07486, in Perseus A500

Figure 28: Placement of Antenna Flow Ex, MK07487, in Perseus A500

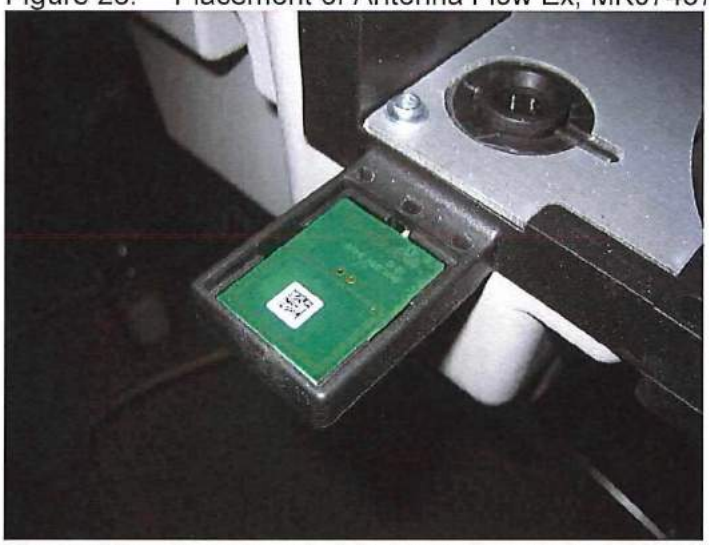


Figure 29: Placement of Antenna Breath In, MK07476 in Perseus A500

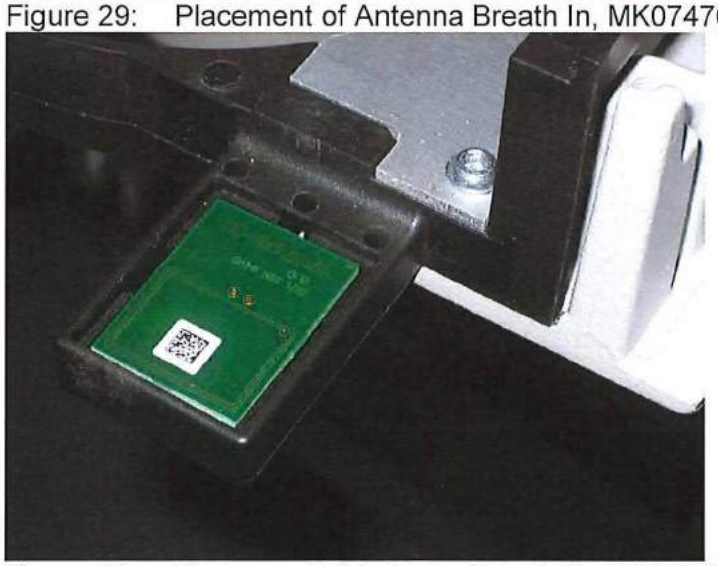


Figure 30: Placement of Antenna Breath Ex, MK07477 in Perseus A500

4.4 Presentation of the Antennas (Atlan Family)

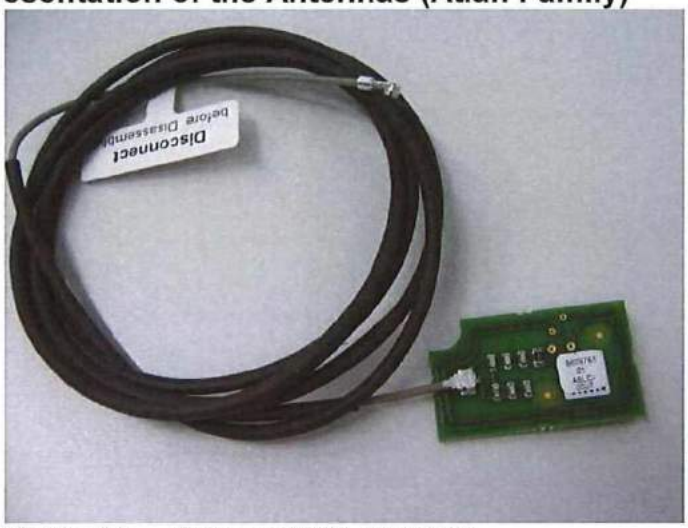


Figure 31: Antenna WAL 8609761

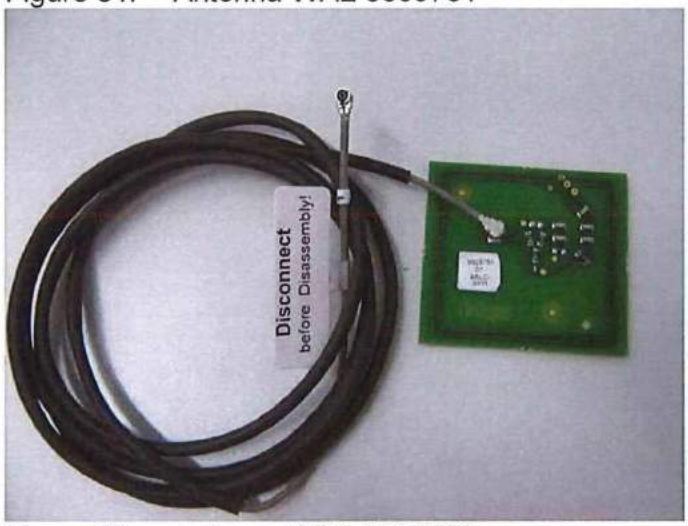


Figure 32: Antenna CO2 8609751

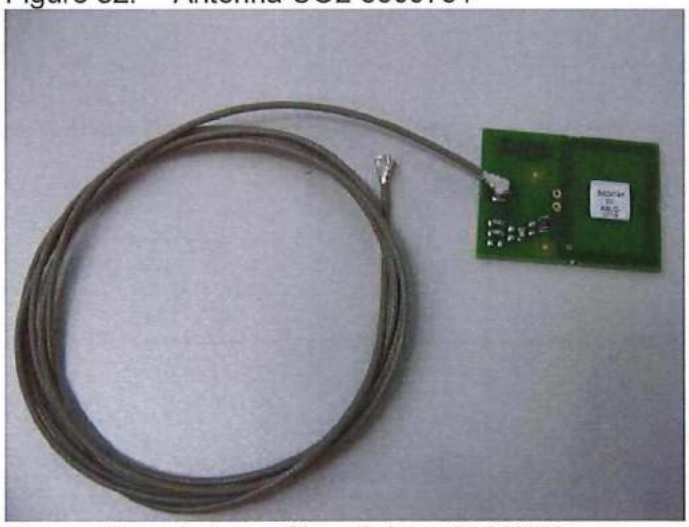


Figure 33: Antenna Breath Insp 8609741

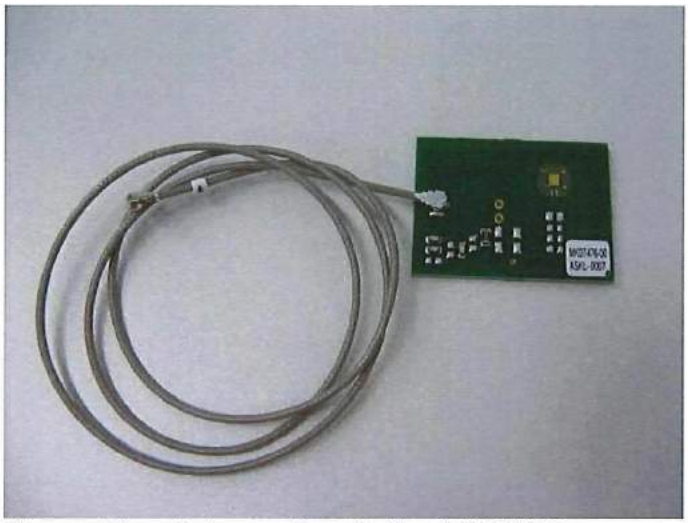


Figure 34: Antenna Breath Exp MK07476

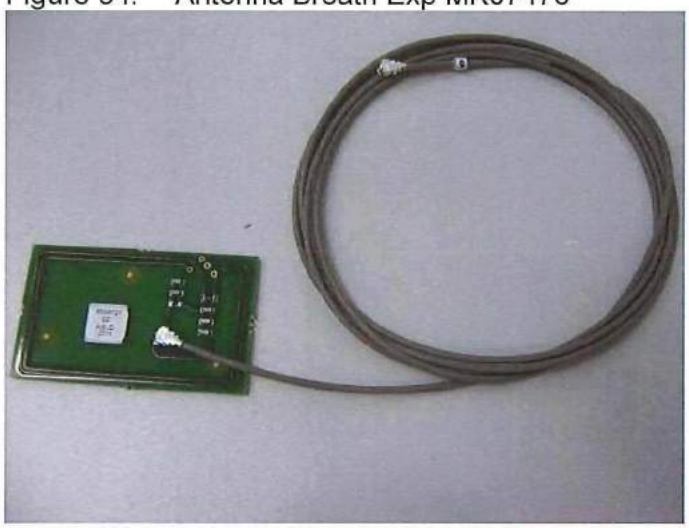


Figure 35: Antenna Flow Insp 8609721

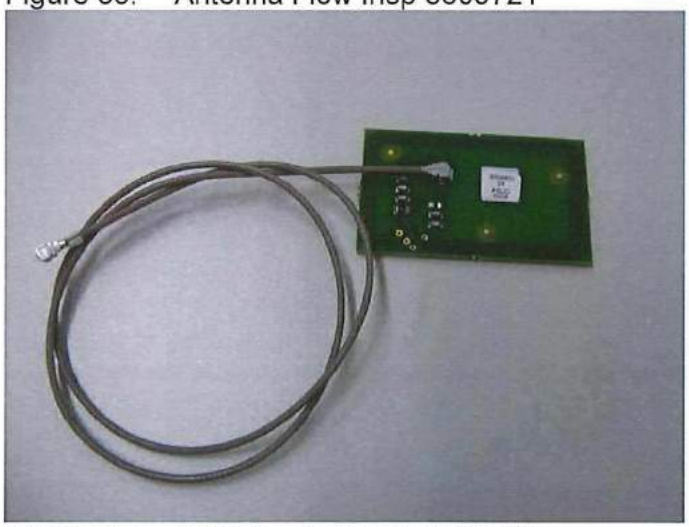


Figure 36: Antenna Flow Exp 8609931

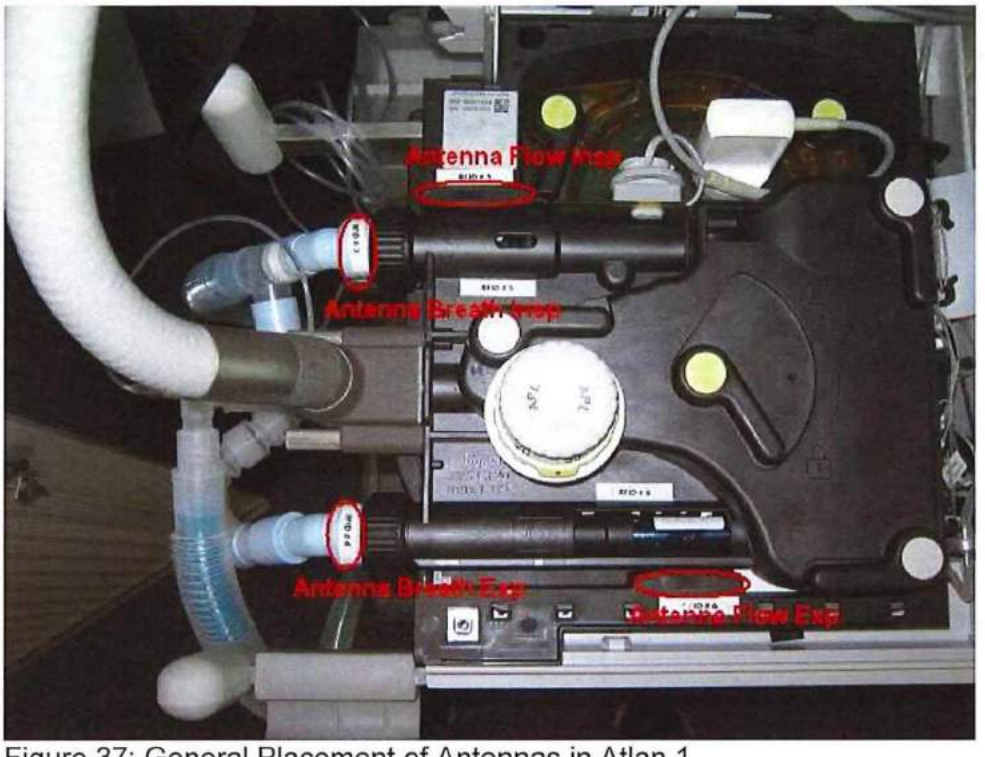


Figure 37: General Placement of Antennas in Atlan 1

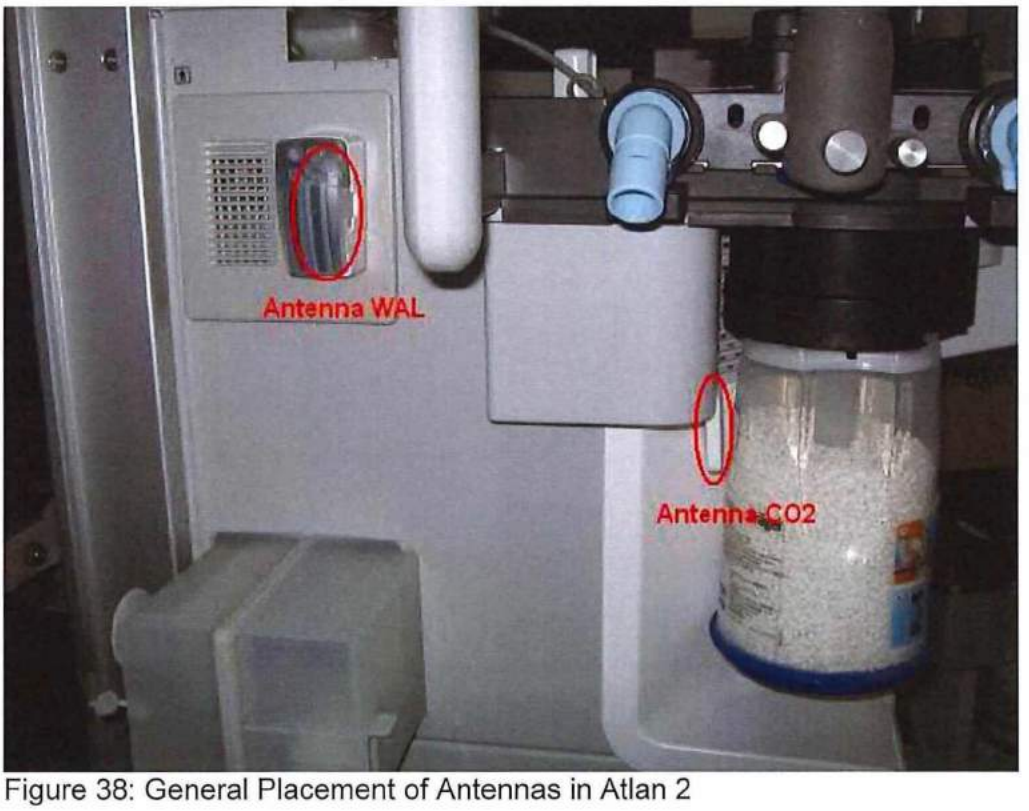


Figure 38: General Placement of Antennas in Atlan 2

Figure 39: Placement of Antenna WAL 8609761

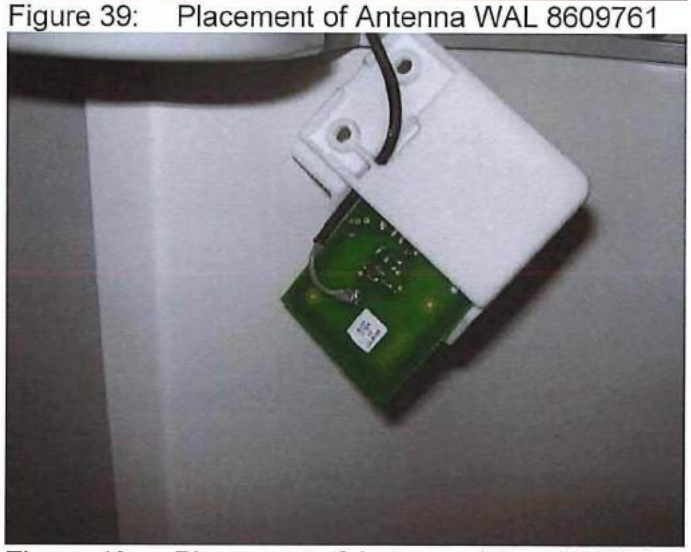


Figure 40: Placement of Antenna CO2 8609751

Figure 41: Placement of Antenna Breath Insp 8609741

Figure 42: Placement of Antenna Breath Exp MK07476

Figure 43: Placement of Antenna Flow Insp 8609721

Figure 44: Placement of Antenna Flow Exp 8609931

5 Presentation of the Antennas connected with Module M21

5.1 Antennas Evita Family connected with the Module M21

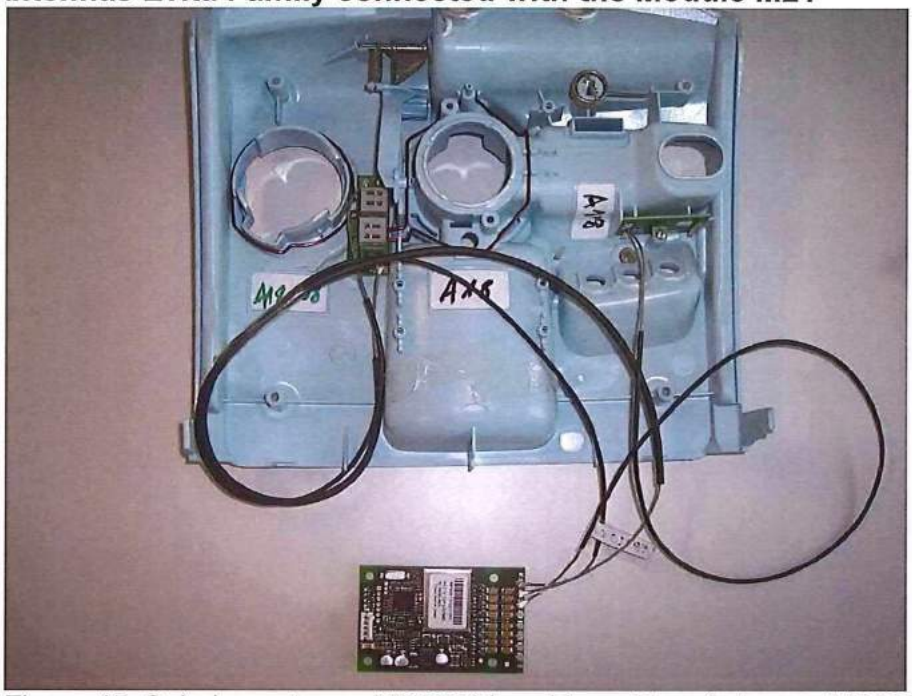


Figure 45: Spirolog antenna MP02011 and Insp. Exp. Antenna, MP02021

5.2 Antennas Primus IE connected with the Module M21

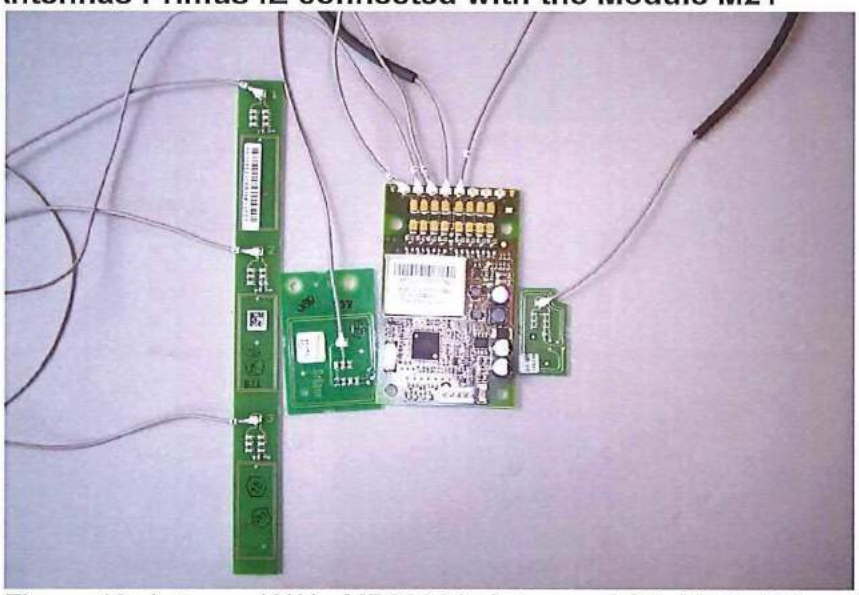


Figure 46: Antenna WAL, MP02091, Antenna CO2, MP02131 and Antenna Set, 8607311

5.3 Antennas Perseus A500 connected with Module M21

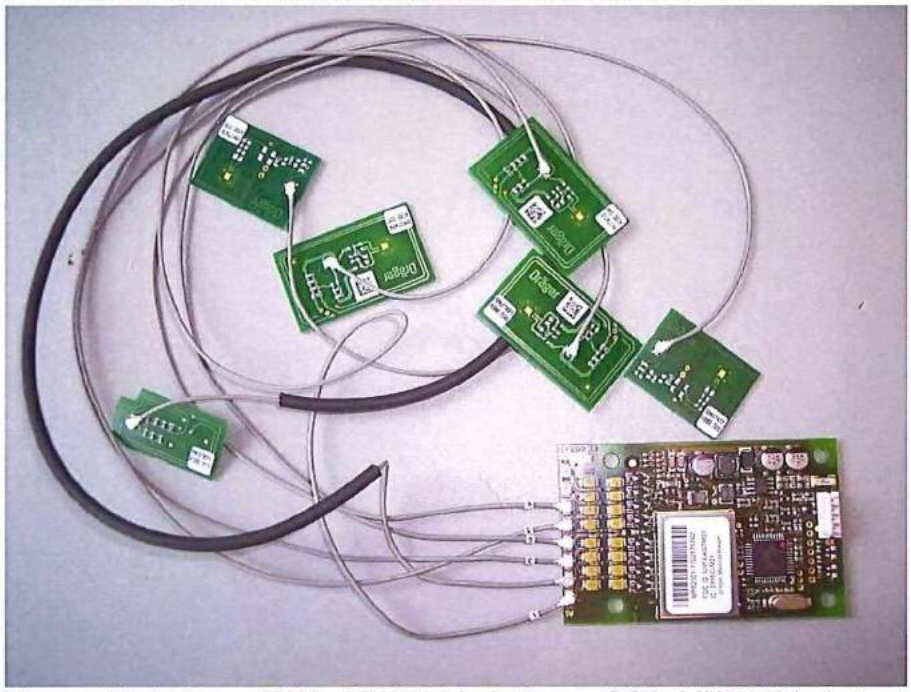


Figure 47: Antenna WAL, MK07891, Antenna CO2, MK07491, Antenna Flow In, MK07486, Antenna Flow Ex, MK07487, Antenna Breath In, MK07476 and Antenna Breath Ex, MK07477

5.4 Antennas Atlan Family connected with Module M21

Figure 48: Antenna WAL 8609761, Antenna CO2 8609751, Antenna Breath Insp 8609741, Antenna Breath Exp MK07476, Antenna Flow Insp 8609721 and Antenna Flow Exp 8609931