



Internal Photos ITC2800 UHF

26.09.2024

Revision

Author	Revision	Date	Notes
D. Widmer	1	08.08.2024	Created by splitting previous document into VHF and UHF
D. Widmer	2	26.09.2024	Chapter 8.2: Tait FCC grant fotos replaced with own fotos.

Content

1 Backplane AT-96/192

2 PS19 Power Supply.....3

3 V108/3 Controller (with optional cellular module)4

4 GPS module5

5 RC09 module.....6

6 SC2000 module7

7 TRx Backplane8

8 TRx19 UHF radio module.....9

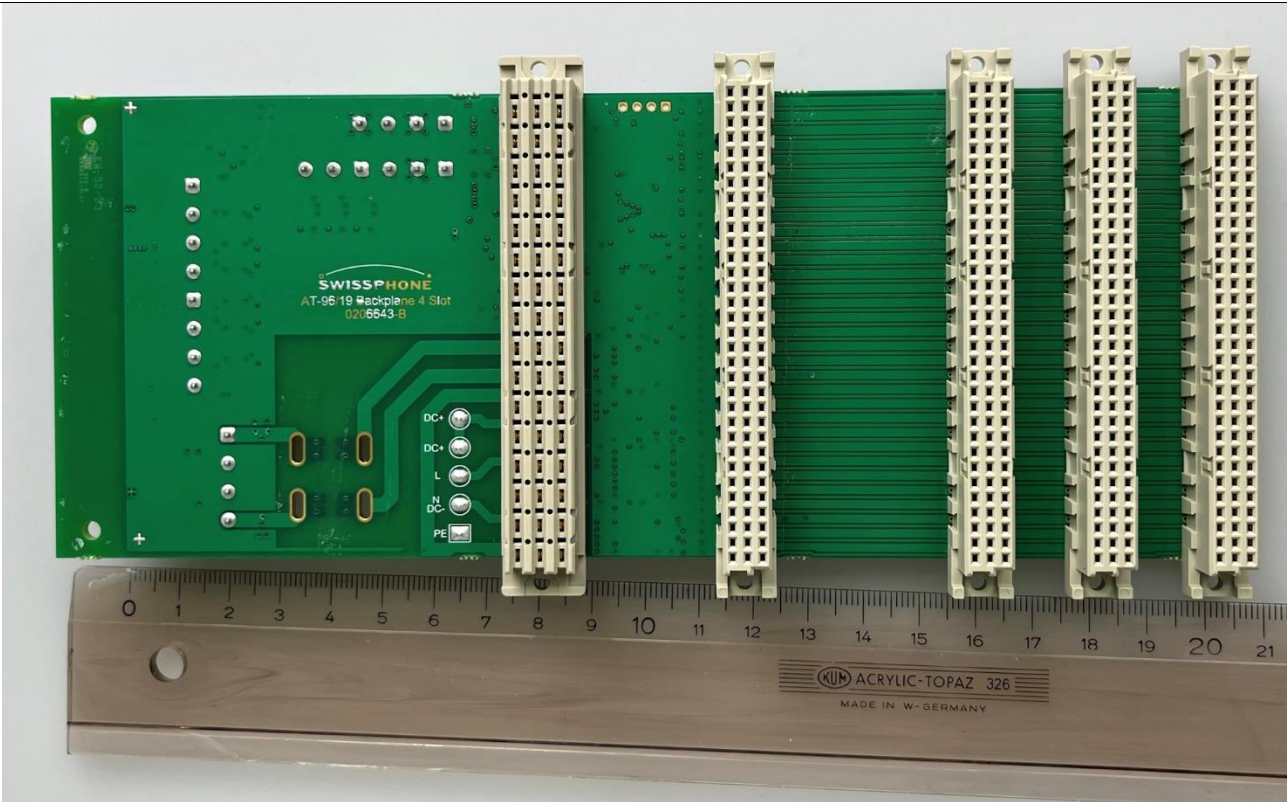
8.1 TRx19 UHF with removed cover (includes #8 TRx Radiointerface).....10

8.2 Tait TM9355 TRx with shields removed (UHF HK 40W) – Block #911

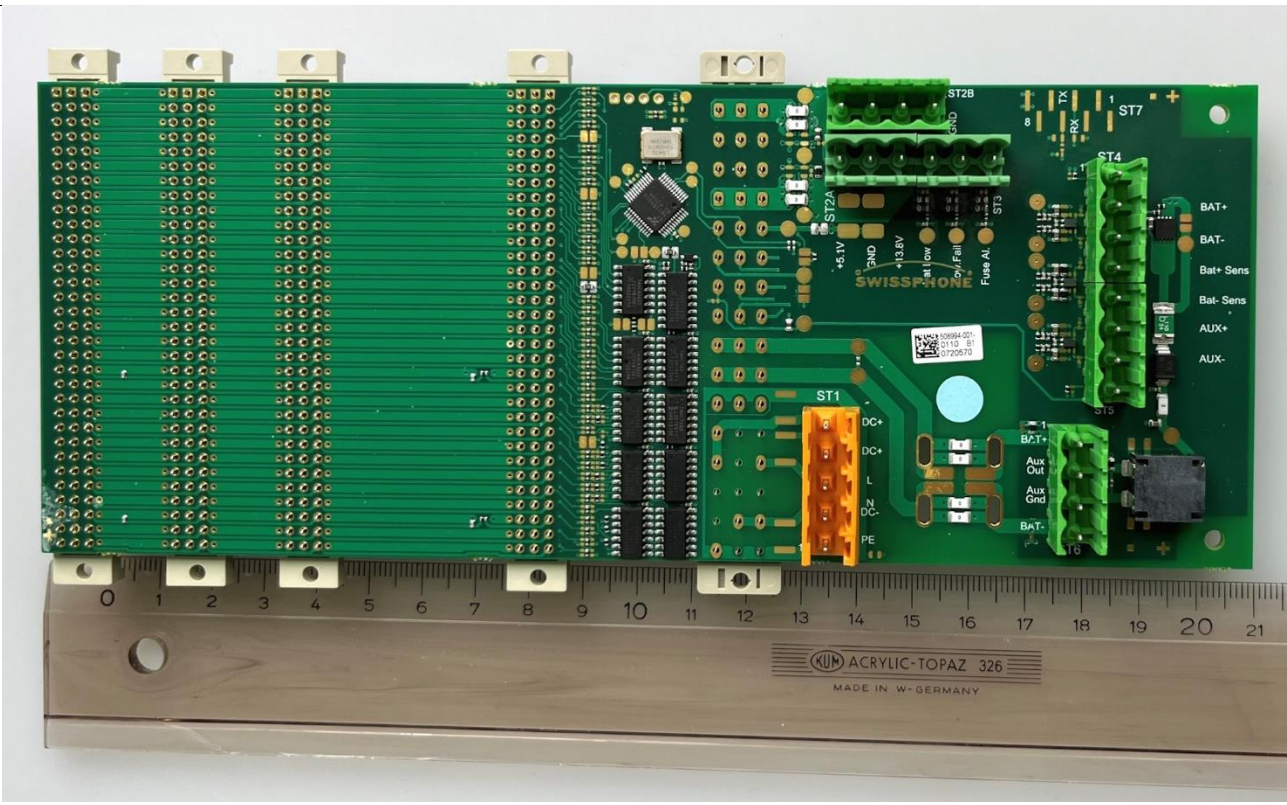
Note: The chapter numbering corresponds to the block numbers as shown in the block diagram, with the exception of chapter 8, which includes both blocks 8 and 9.

1 Backplane AT-96/19

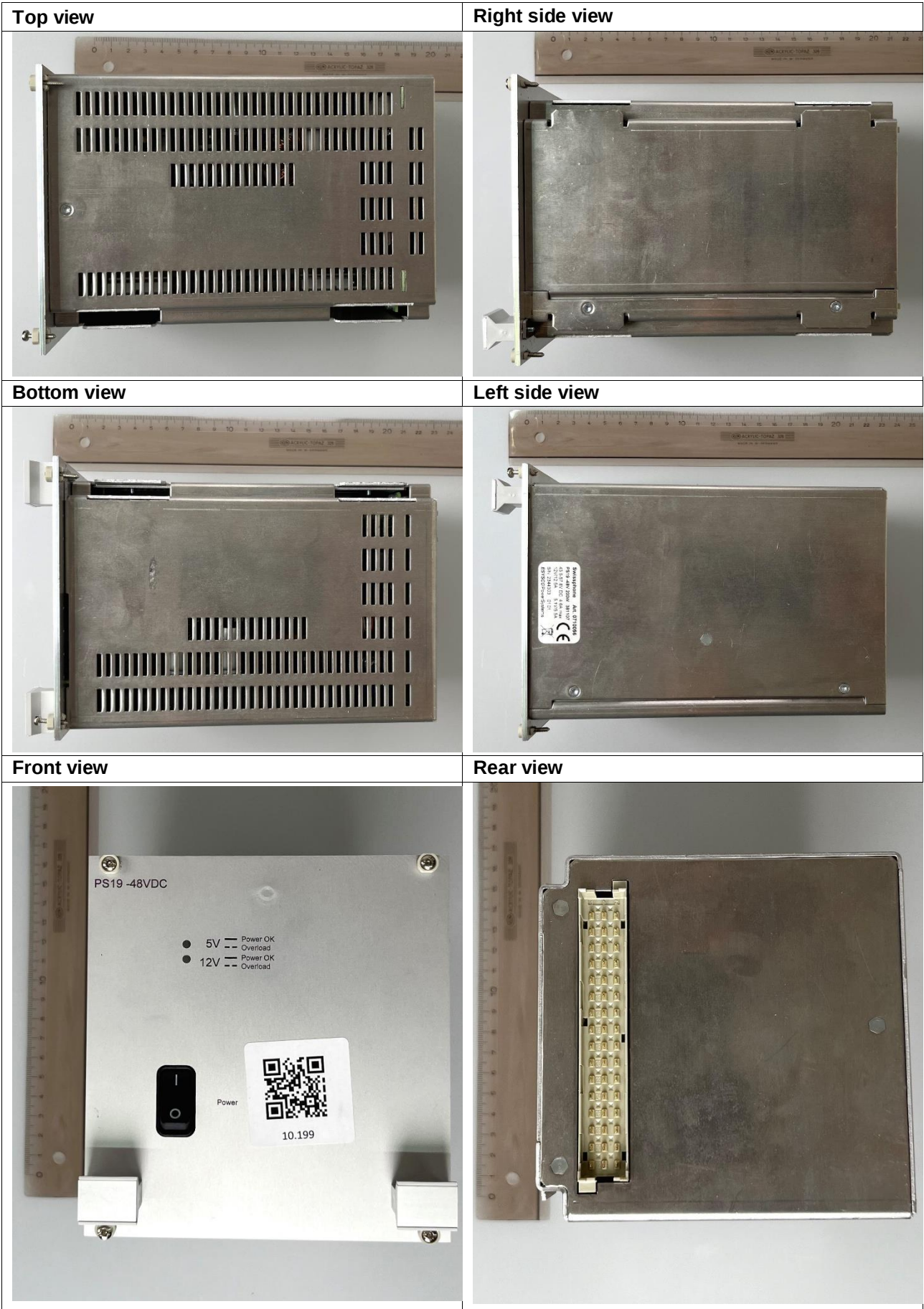
PCB top view



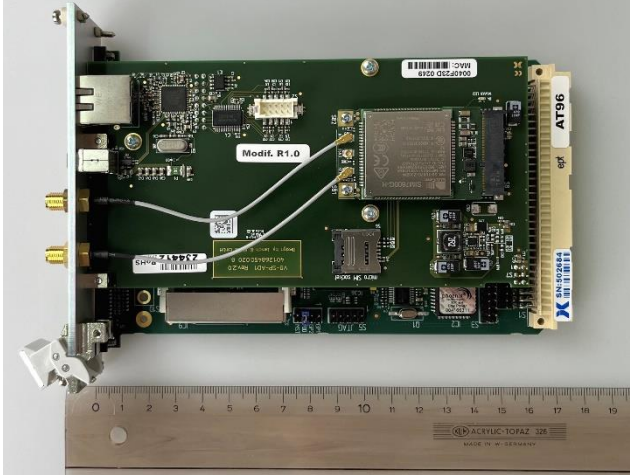
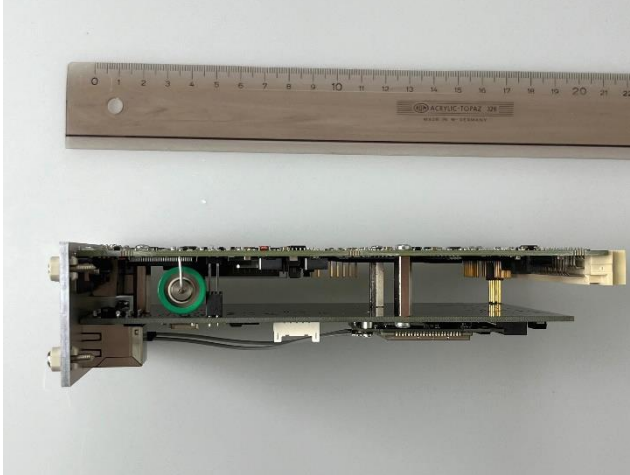
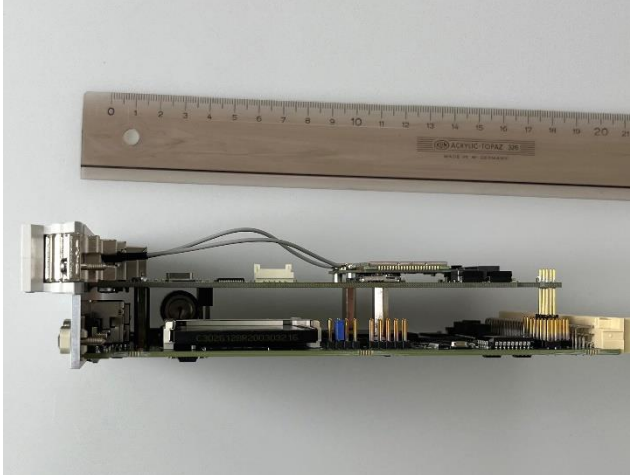
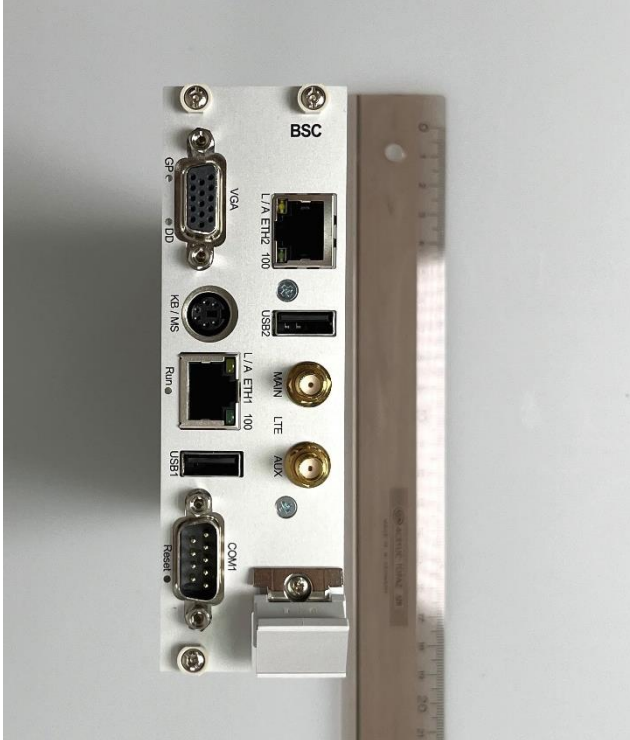
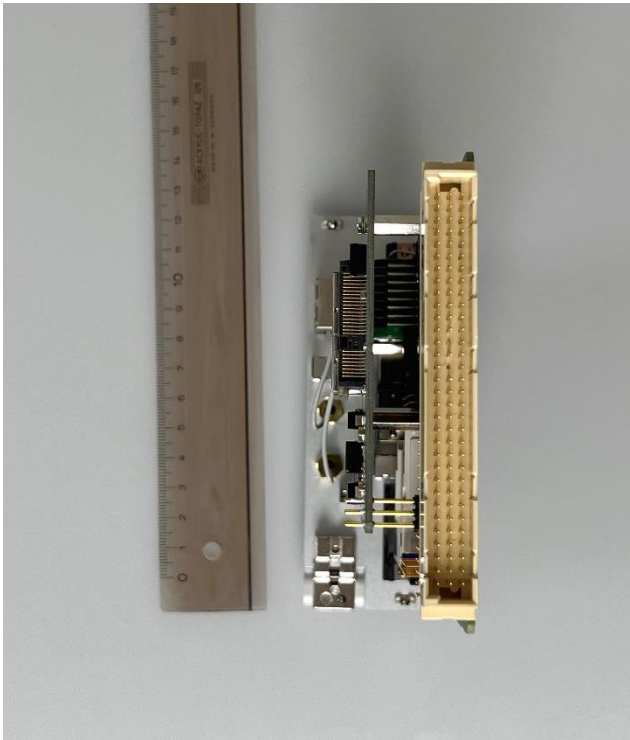
PCB bottom view



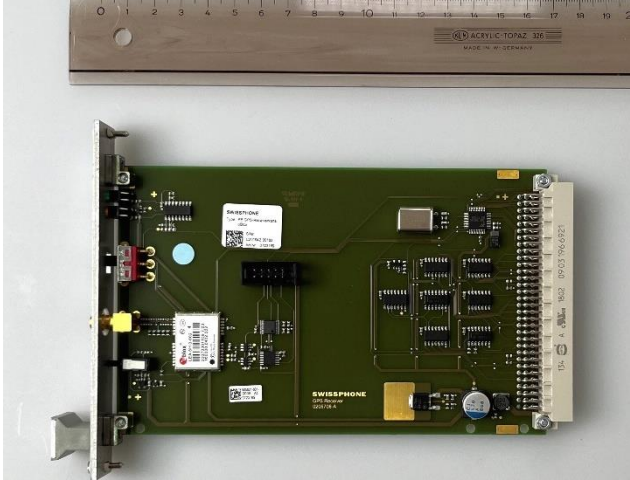
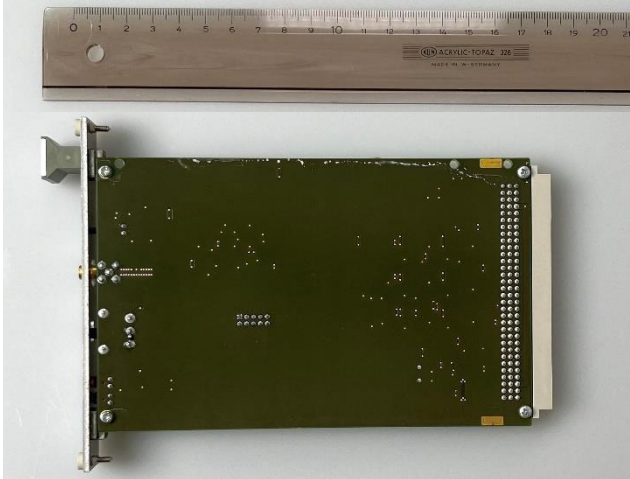
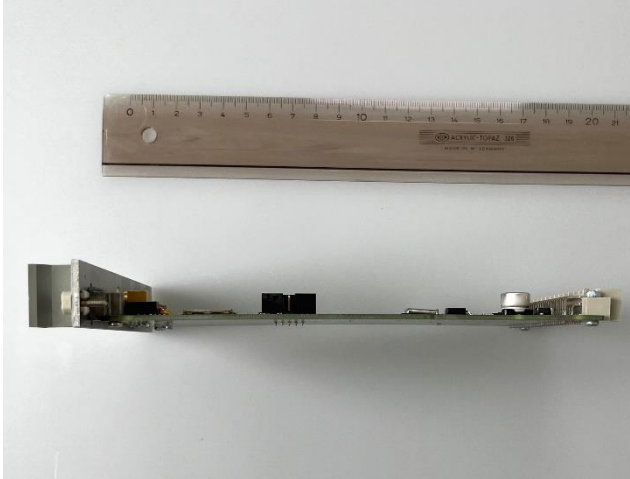
2 PS19 Power Supply



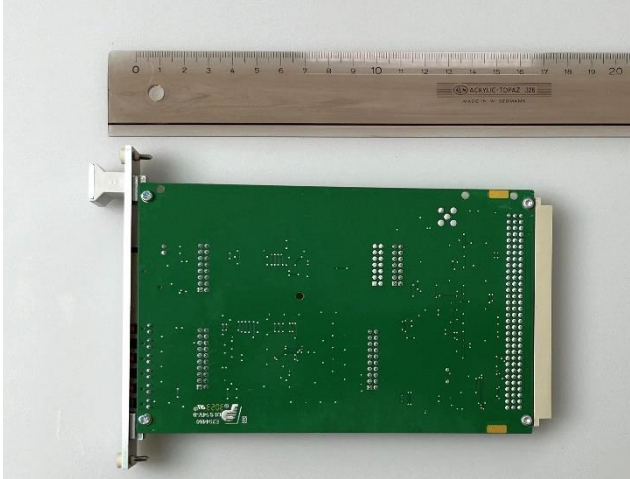
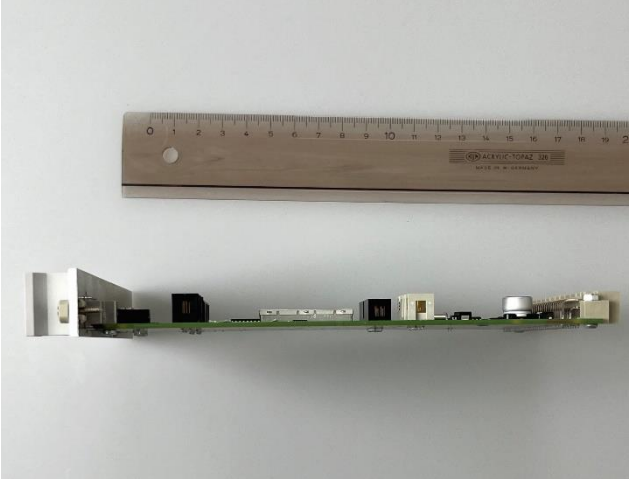
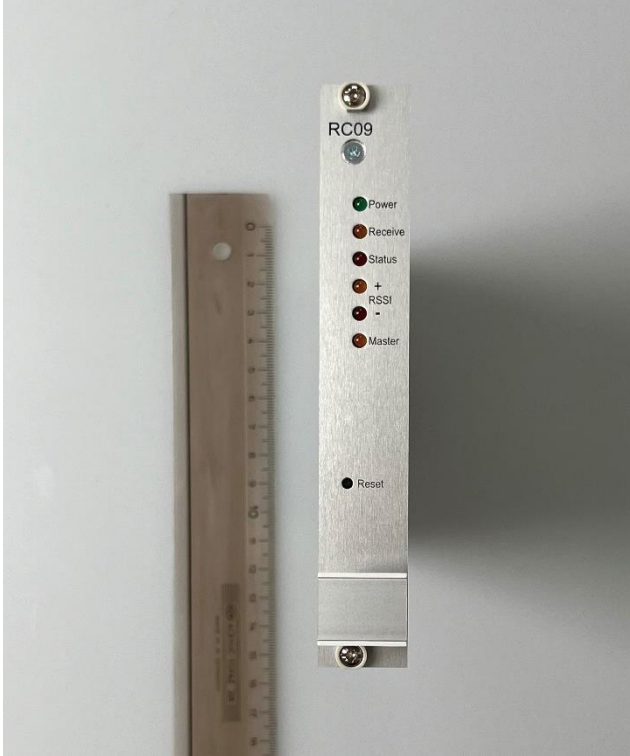
3 V108/3 Controller (with optional cellular module)

PCB top view  A photograph of the top of a green printed circuit board (PCB). It features various electronic components including a large central chip, several smaller integrated circuits, capacitors, and resistors. A white label with the text "Modif. R1.0" is visible. A wooden ruler is placed below the board for scale.	Module top view  A photograph of the top of the assembled module. It shows the PCB mounted within a metal housing. A green circular component is visible on the left side. A wooden ruler is placed above the module for scale.
PCB bottom view  A photograph of the bottom of the green PCB. It shows the reverse side of the components, including solder joints, pads, and some surface components. A wooden ruler is placed above the board for scale.	Module bottom view  A photograph of the bottom of the assembled module. It shows the underside of the PCB and the internal structure of the metal housing. A wooden ruler is placed above the module for scale.
Front view  A photograph of the front panel of the module. It features a variety of ports and connectors: a VGA port, a D-sub port, a USB port, a BSC port, a L/A ETH 100 port, a L/A ETH 1000 port, a MAIN port, an AUX port, a COM port, and a Reset button. A wooden ruler is placed to the right of the panel for scale.	Rear view  A photograph of the rear of the module, showing the internal components and the metal housing. A wooden ruler is placed to the left of the module for scale.

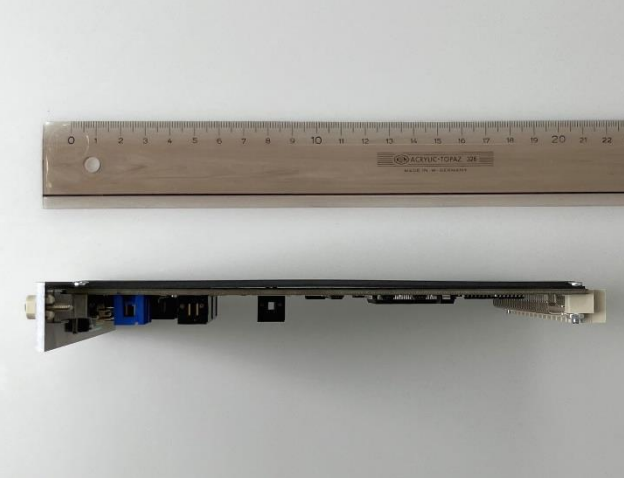
4 GPS module

PCB top view  A top-down view of the green printed circuit board (PCB) of the GPS module. It features various electronic components including a large black integrated circuit, several smaller chips, capacitors, and a gold-plated connector on the right side. A wooden ruler is placed above the board for scale.	Module top view  A top-down view of the assembled GPS module. It shows the green PCB with components and a metal mounting bracket on the left. A wooden ruler is placed above the module for scale.
PCB bottom view  A bottom-up view of the green PCB. It shows the reverse side of the components, including solder joints, a small antenna pad, and the gold-plated connector. A wooden ruler is placed above the board for scale.	Module bottom view  A bottom-up view of the assembled GPS module. It shows the underside of the green PCB with the metal mounting bracket and various components. A wooden ruler is placed above the module for scale.
Front view  A front-facing view of the GPS module. It features a silver metal plate with labels: "GPS", "Power", "Synch", "3.3V", "5V", "Antenna", and "Reset". A wooden ruler is placed to the right of the module for scale.	Rear view  A rear-facing view of the GPS module, showing the gold-plated connector and various electronic components on the back of the metal plate. A wooden ruler is placed to the left of the module for scale.

5 RC09 module

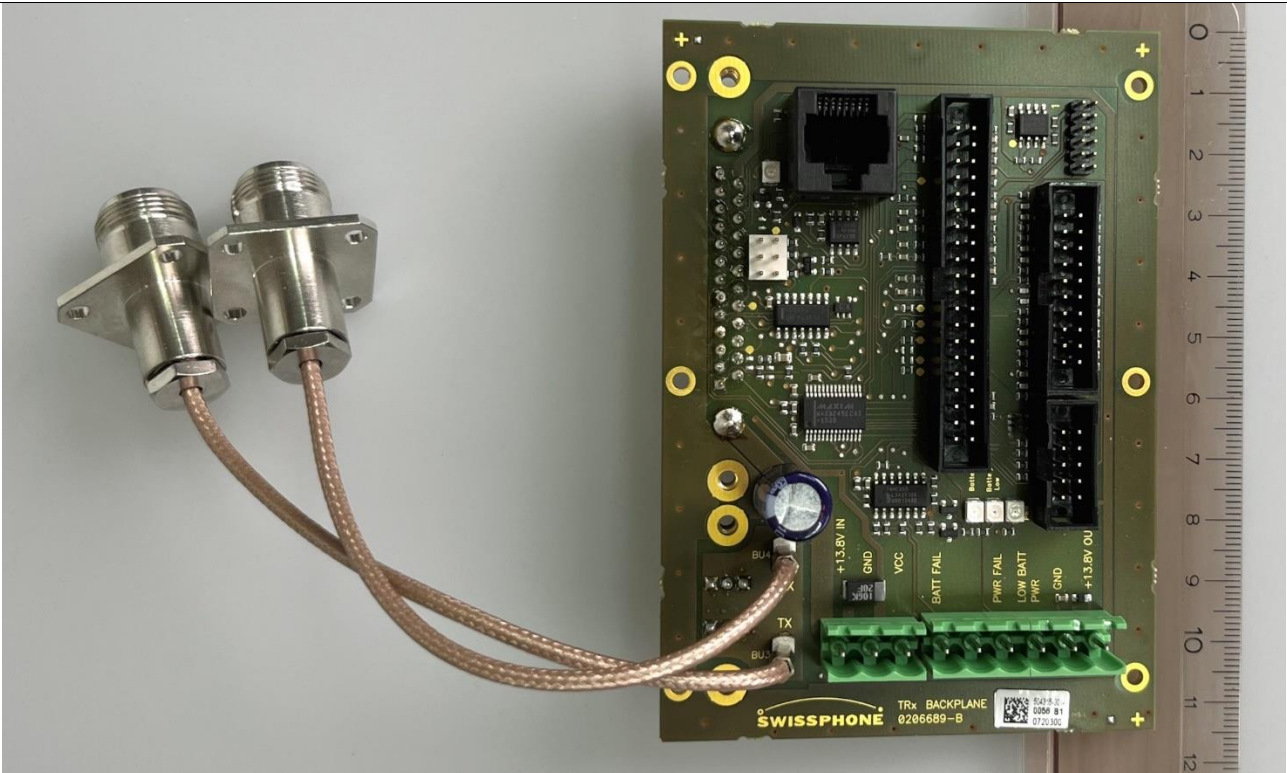
PCB top view (shielding lid removed)	Module top view
	
PCB bottom view	Module bottom view
	
Front view	Rear view
	

6 SC2000 module

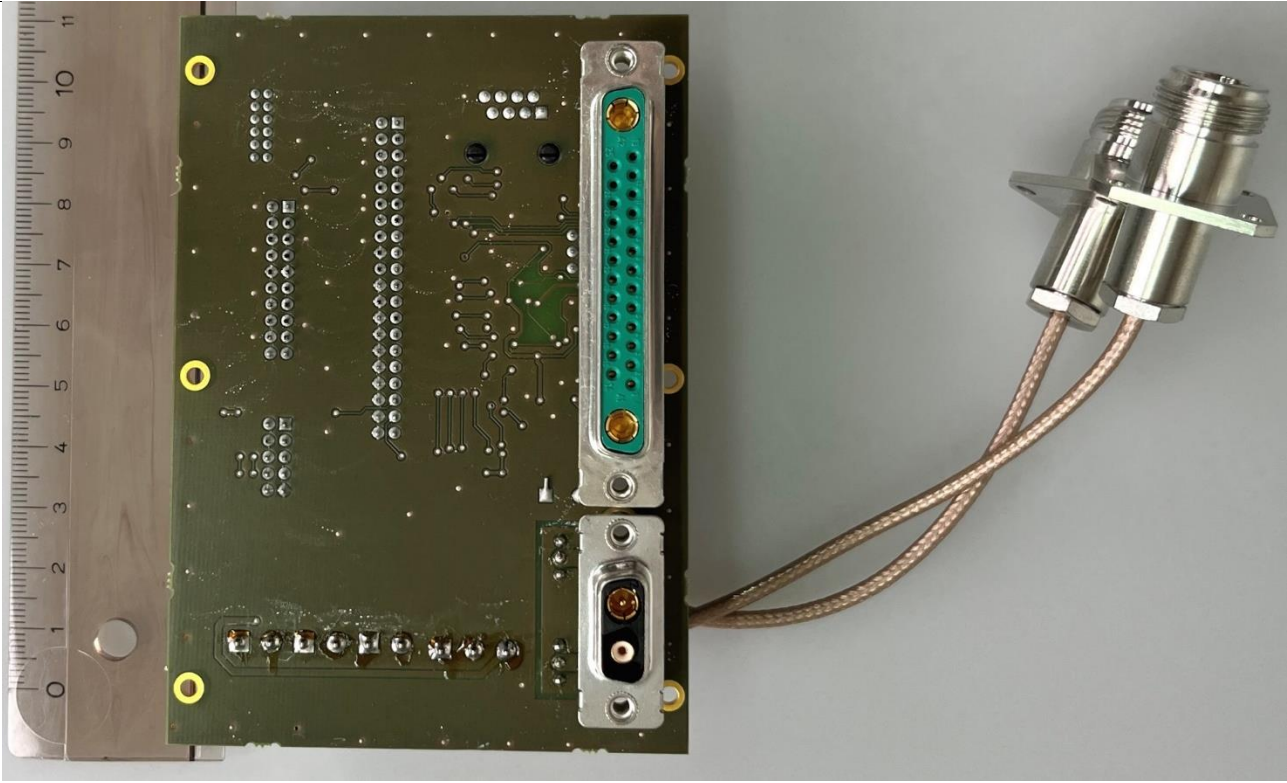
PCB top view	Module top view
	
PCB bottom view	Module bottom view
	
Front view	Rear view
	

7 TRx Backplane

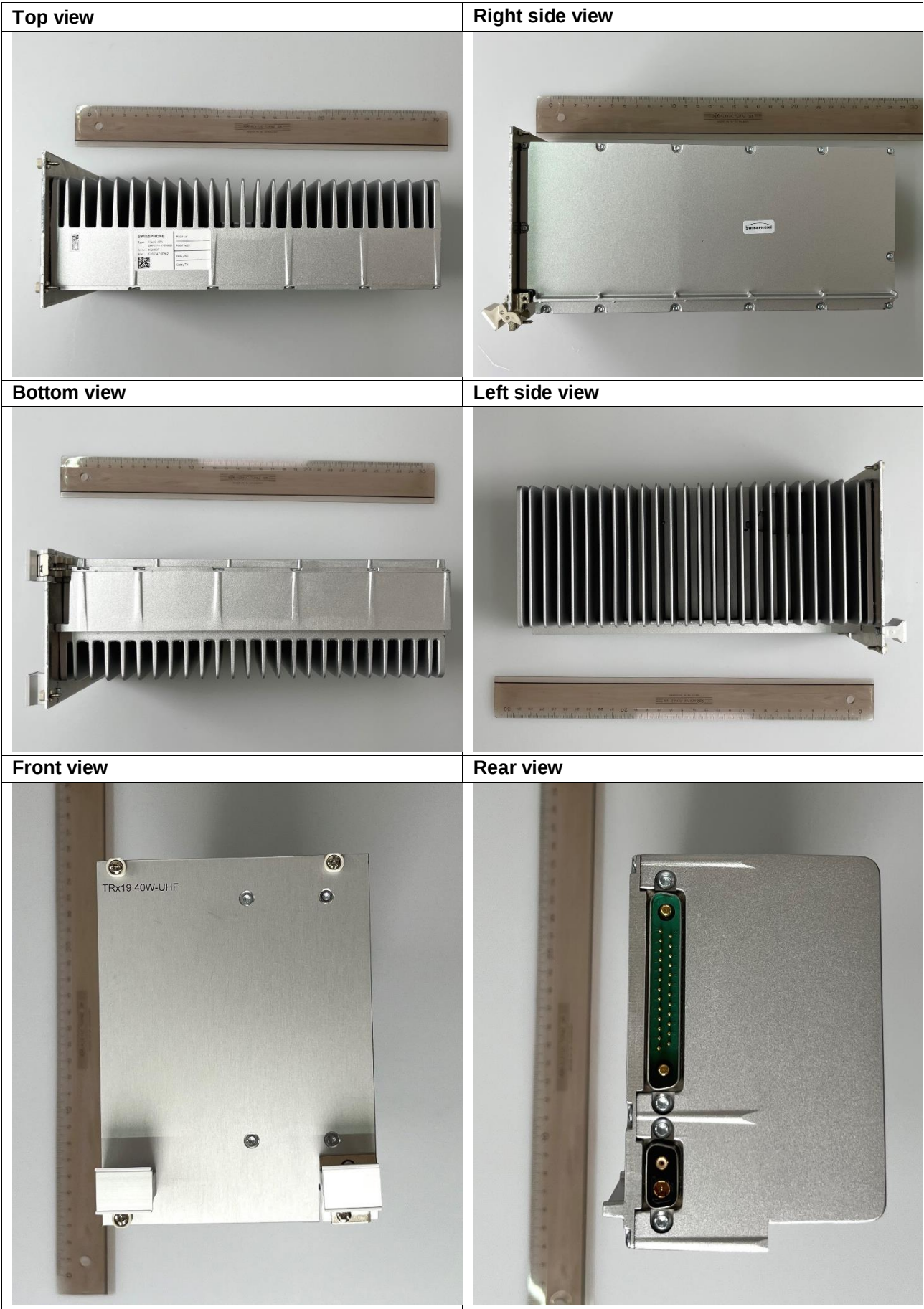
PCB top view



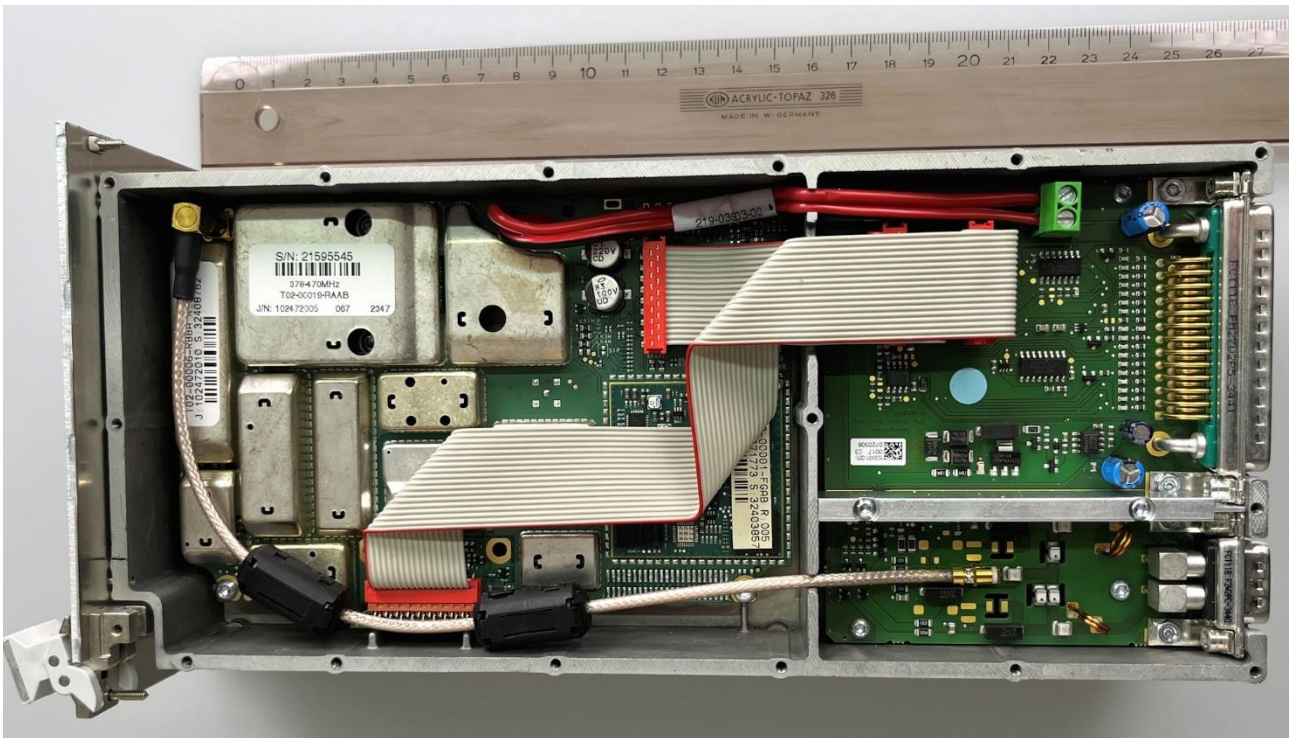
PCB bottom view



8 TRx19 UHF radio module



8.1 TRx19 UHF with removed cover (includes #8 TRx Radiointerface)



8.2 Tait TM9355 TRx with shields removed (UHF HK 40W) – Block #9

