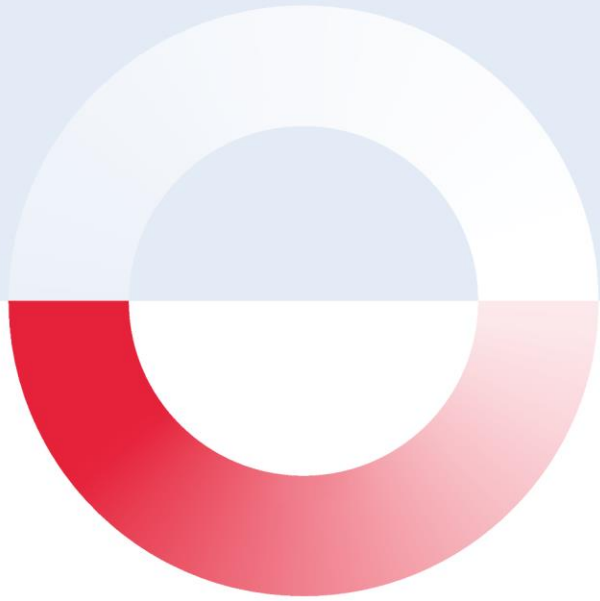




Internal Photos ITC2800 VHF

03/09/2024

Revision

Author	Revision	Date	Notes
D. Widmer	1	08/08/2024	Created by splitting previous document into VHF and UHF
D. Widmer	2	03/09/2024	Chapter 8.2: Tait FCC grant fotos replaced with own fotos.

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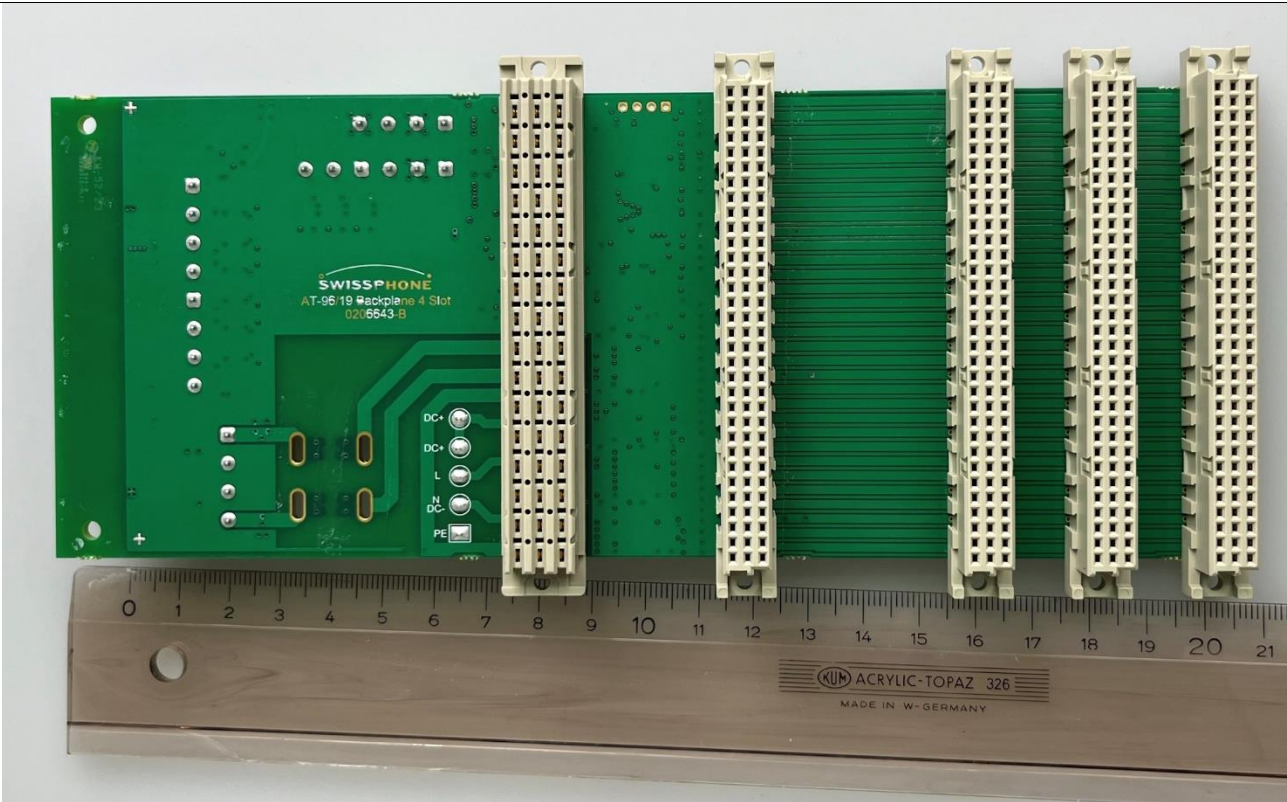
8.2 Tait TM9355 TRx with shields removed (VHF B1 50W) – Block #9.....11

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.

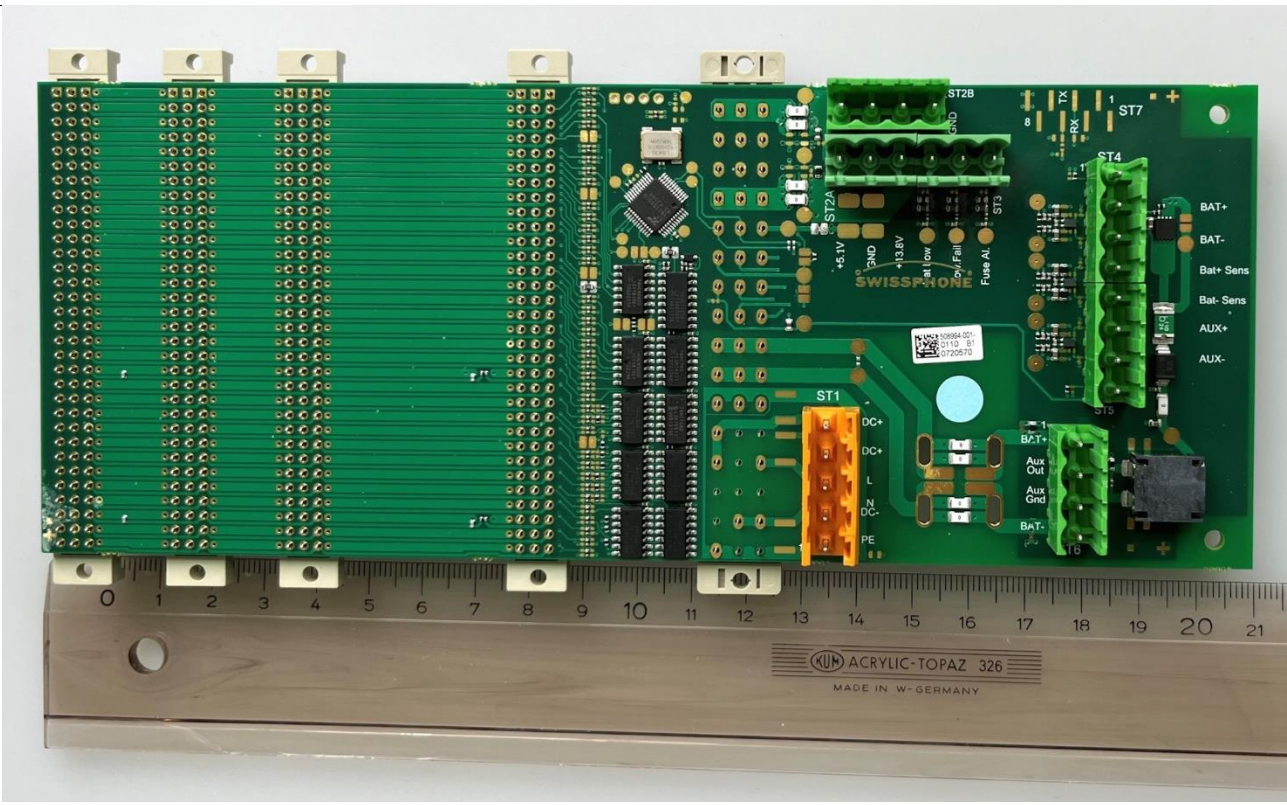


1 Backplane AT-96/19

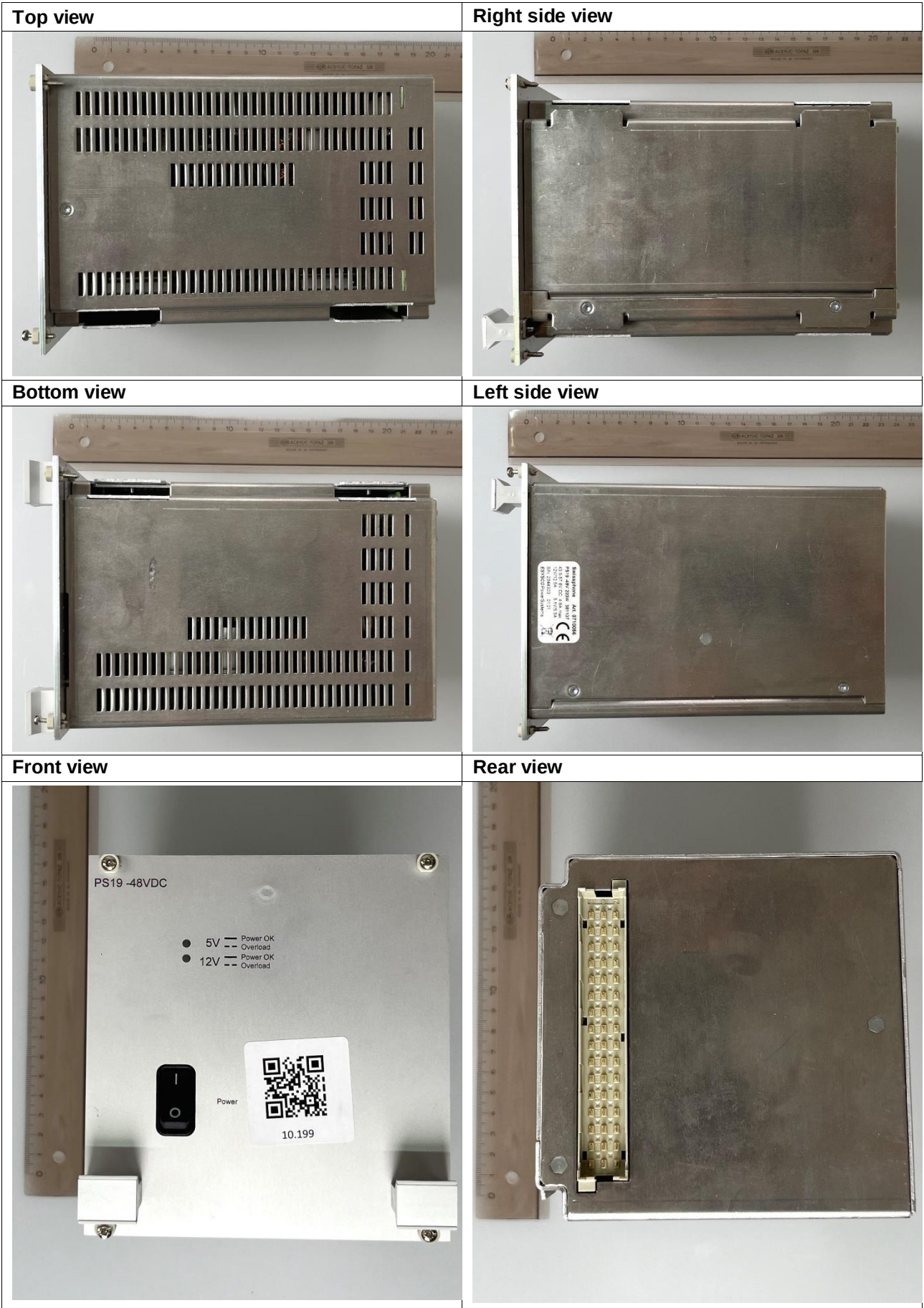
PCB top view



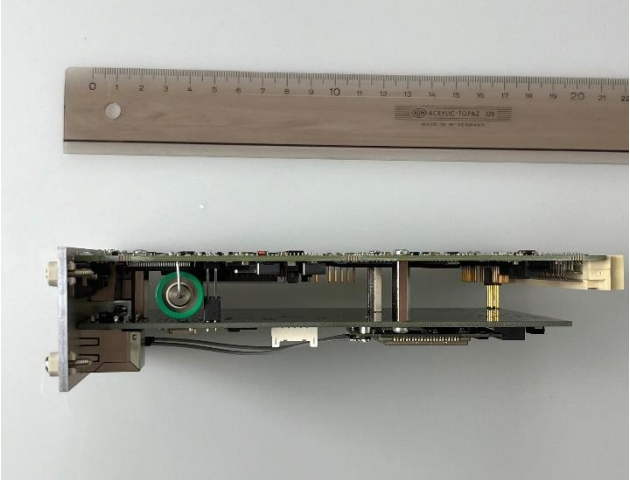
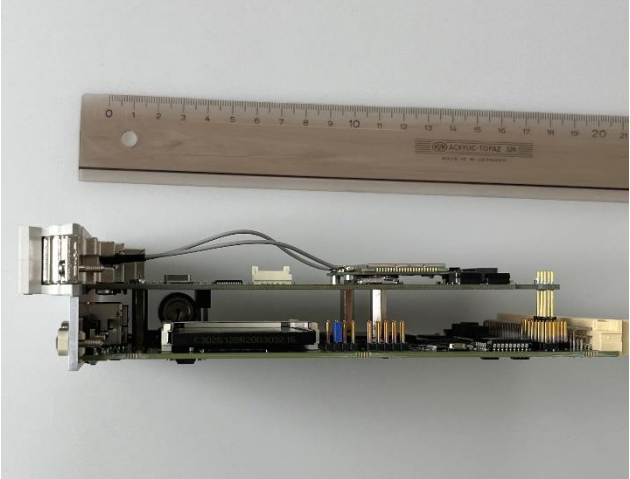
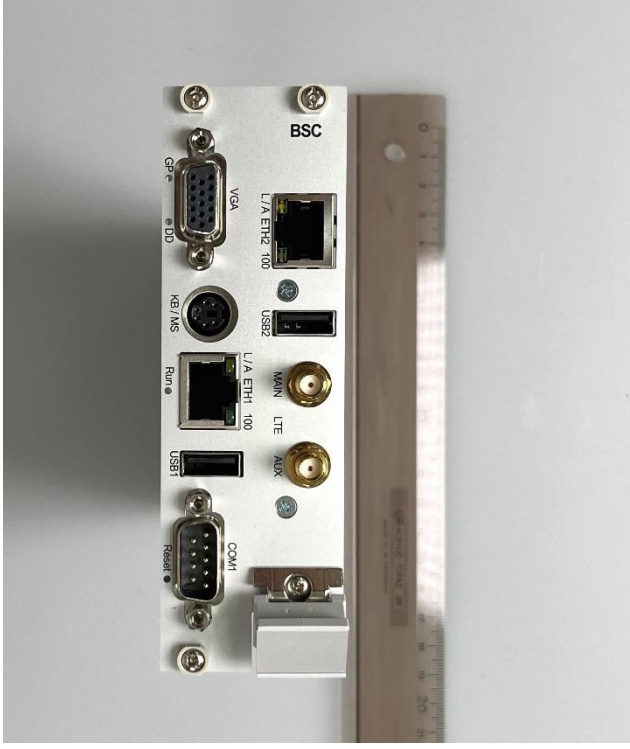
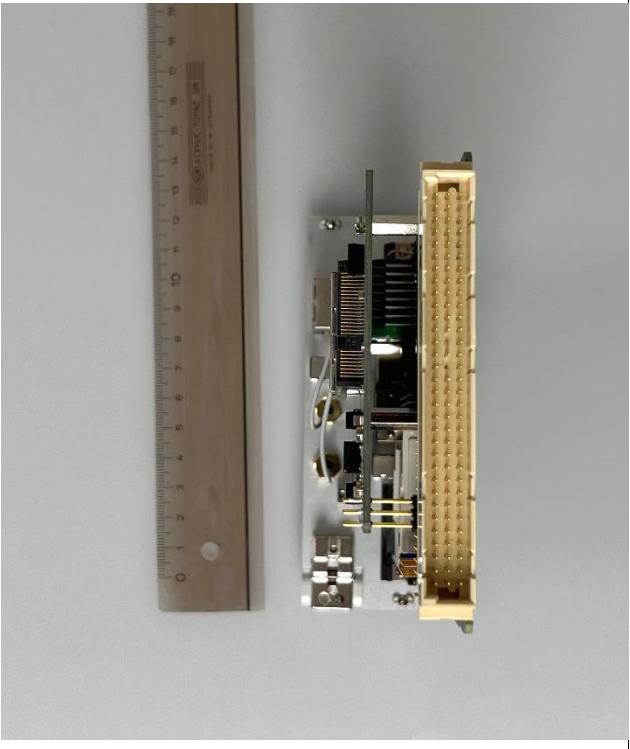
PCB bottom view



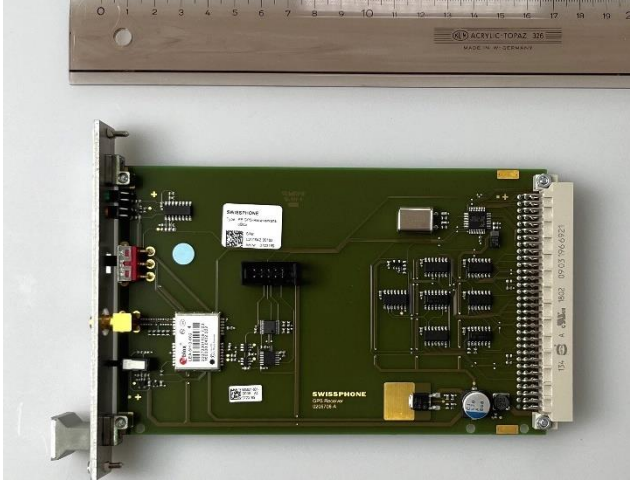
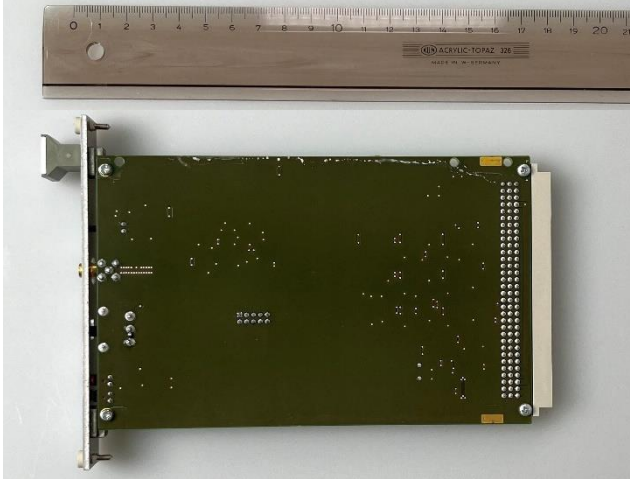
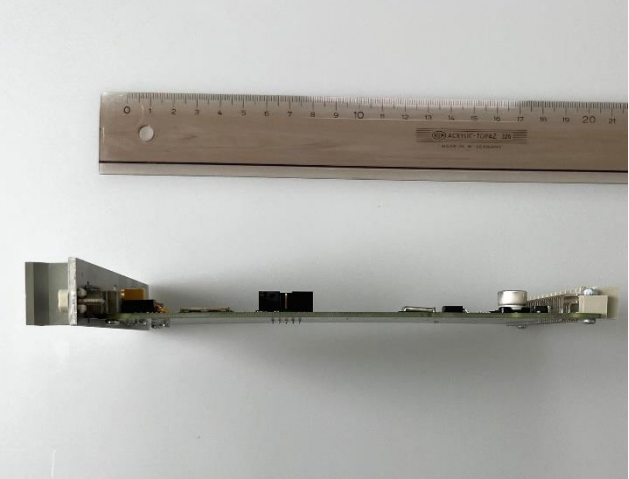
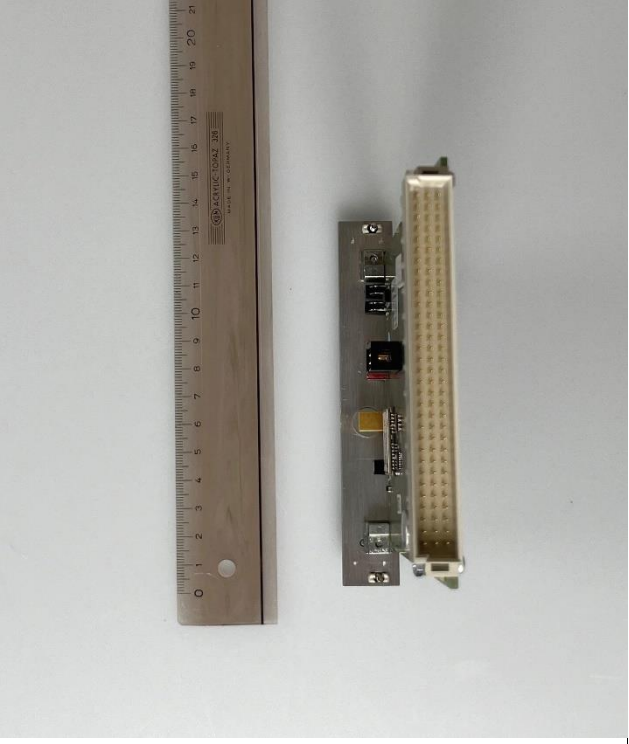
2 PS19 Power Supply



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 smaller 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 ETH2 100 port, a L/A ETH1 100 port, a MAIN port, an LTE 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.

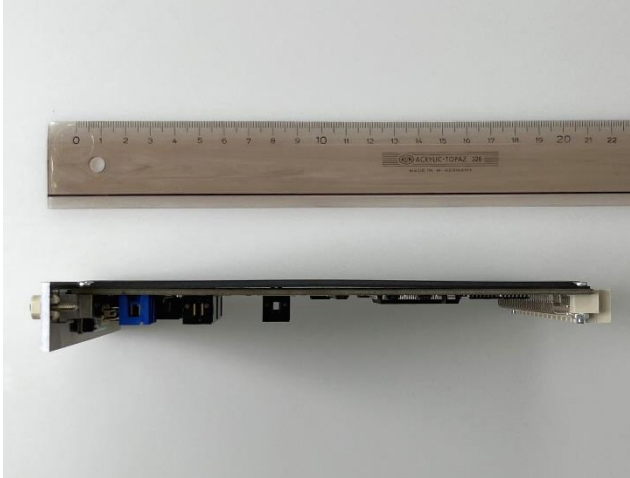
4 GPS module

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 white label with a QR code and text. 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 populated with components, with a metal mounting bracket visible on the left side. 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 large black integrated circuit, and a white label. 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 various components and a metal mounting bracket on the left. 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 several labeled ports and buttons: "GPS" (a small circular port), "Power" (a green LED indicator), "Synch" (an orange LED indicator), "3.3V" and "5V" (power input ports), "Antenna" (a gold-colored SMA connector), and "Reset" (a small circular button). A wooden ruler is placed to the right for scale, and a hand is visible at the bottom holding the module.	Rear view  A rear-facing view of the GPS module. It shows the back of the silver metal plate, which has a large gold-colored connector (likely for a ribbon cable) and several smaller components. A wooden ruler is placed to the left for scale.

5 RC09 module

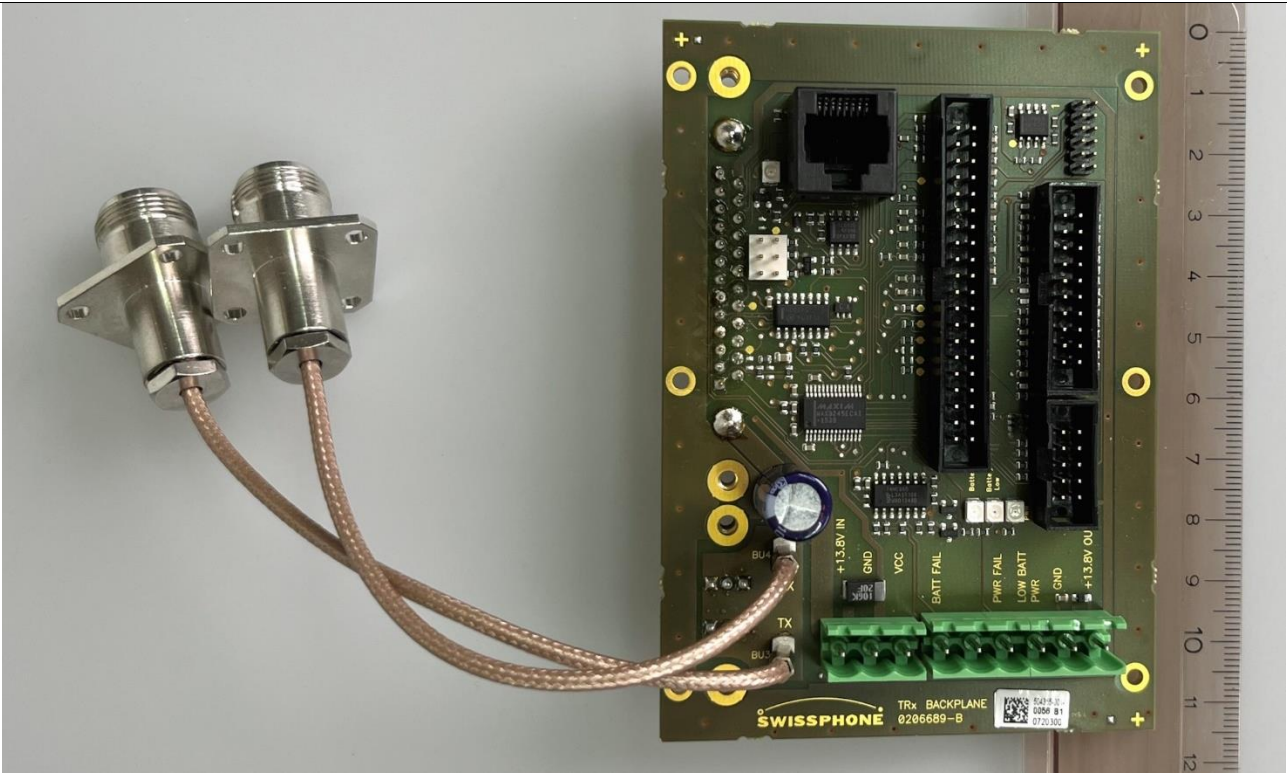
PCB top view (shielding lid removed)	Module top view
A photograph of the green printed circuit board (PCB) with the shielding lid removed. The board is populated with various electronic components, including a large white integrated circuit (IC) in the center, several smaller ICs, capacitors, and resistors. A white label with a QR code and text is visible near the bottom left. A wooden ruler is placed above the board for scale.	A photograph of the RC09 module from the top. It shows the green PCB with components and a silver metal mounting bracket on the left side. A wooden ruler is placed above the module for scale.
PCB bottom view	Module bottom view
A photograph of the underside of the green PCB. It shows the reverse side of the components and the soldering points. A wooden ruler is placed above the board for scale.	A photograph of the RC09 module from the bottom. It shows the underside of the PCB and the mounting bracket. A wooden ruler is placed above the module for scale.
Front view	Rear view
A photograph of the front of the RC09 module. It features a silver metal faceplate with a vertical row of seven status LEDs labeled: Power (green), Receive (red), Status (red), + (red), RSSI (red), - (red), and Master (red). Below these is a single Reset button. The module is labeled 'RC09' at the top. A wooden ruler is placed to the left for scale.	A photograph of the rear of the RC09 module, showing the gold-plated edge connector. A wooden ruler is placed to the right for scale.

6 SC2000 module

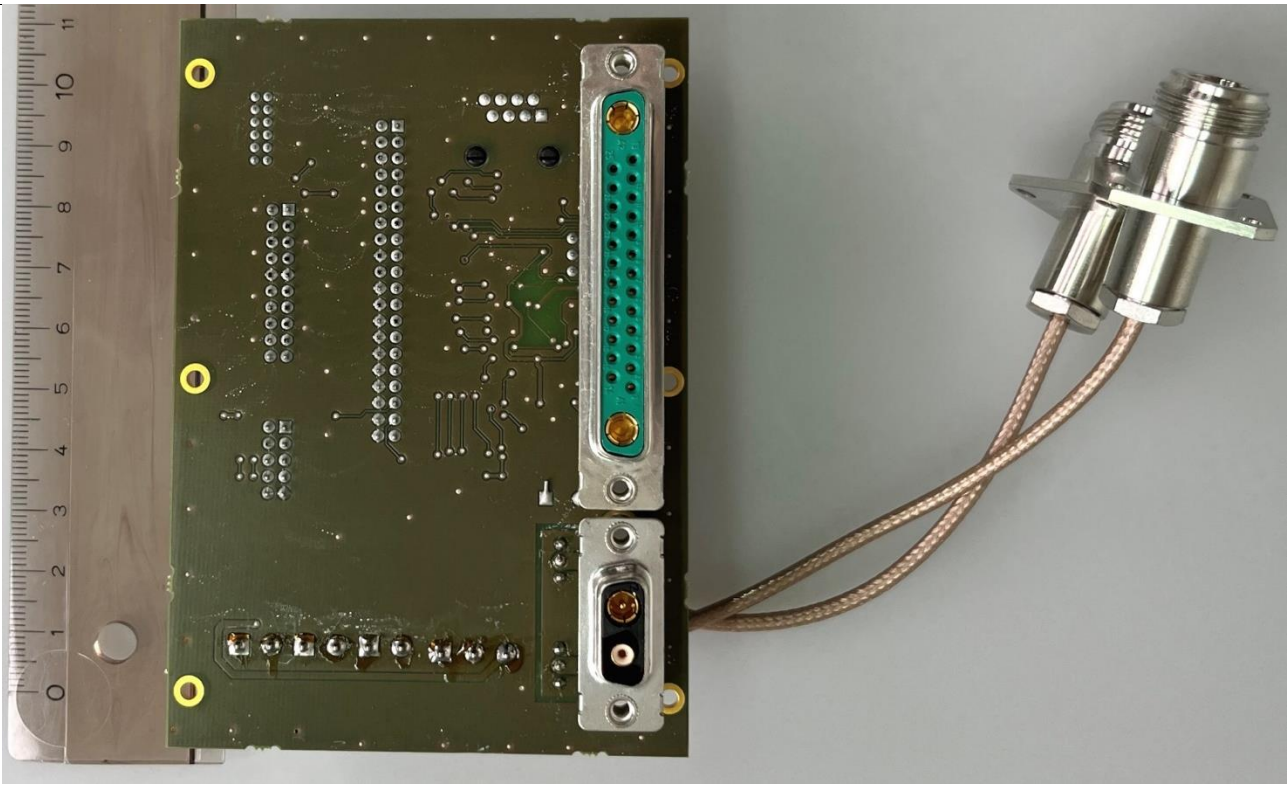
PCB top view	Module top view
	
PCB bottom view	Module bottom view
	
Front view	Rear view
	

7 TRx Backplane

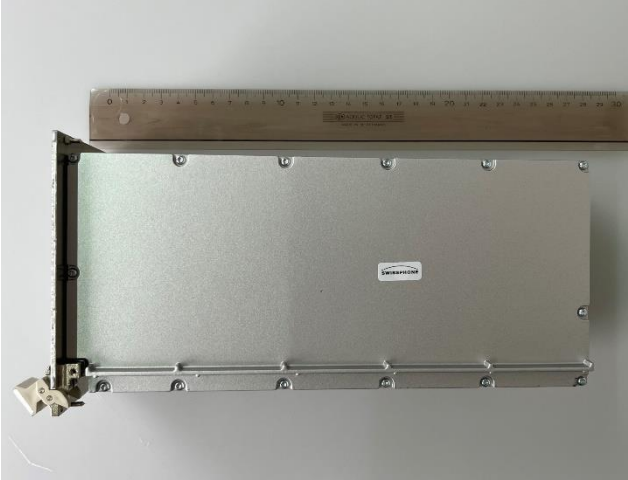
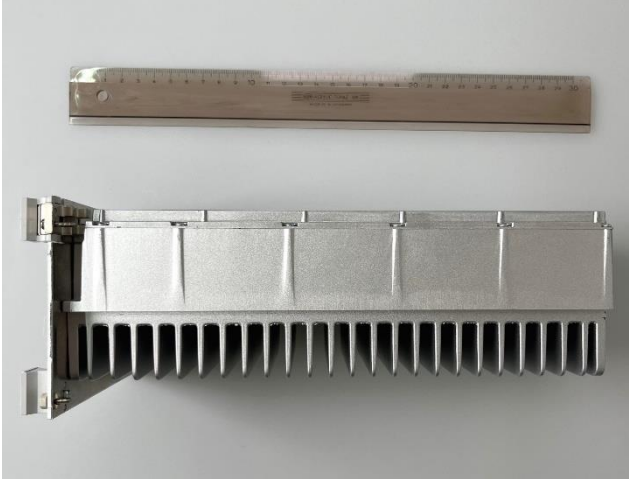
PCB top view



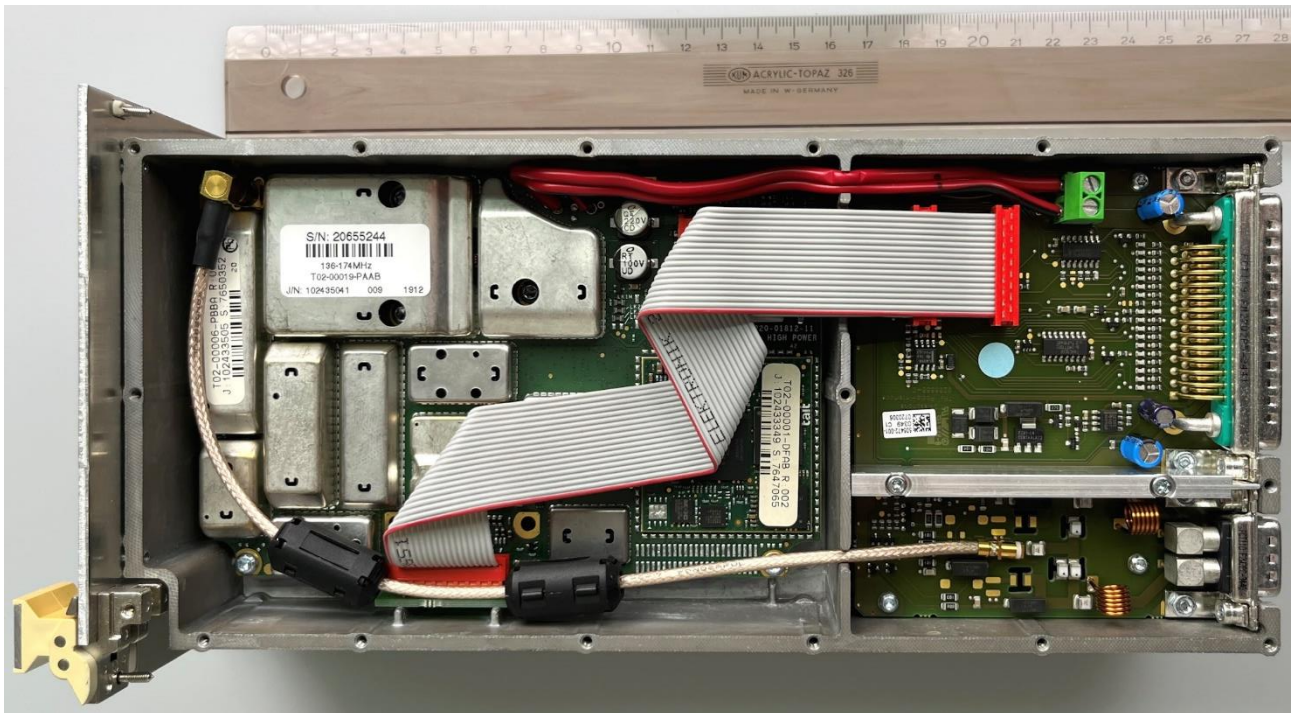
PCB bottom view



8 TRx19 VHF radio module

Top view	Right side view
	
Bottom view	Left side view
	
Front view	Rear view
	

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



8.2 Tait TM9355 TRx with shields removed (VHF B1 50W) – Block #9

