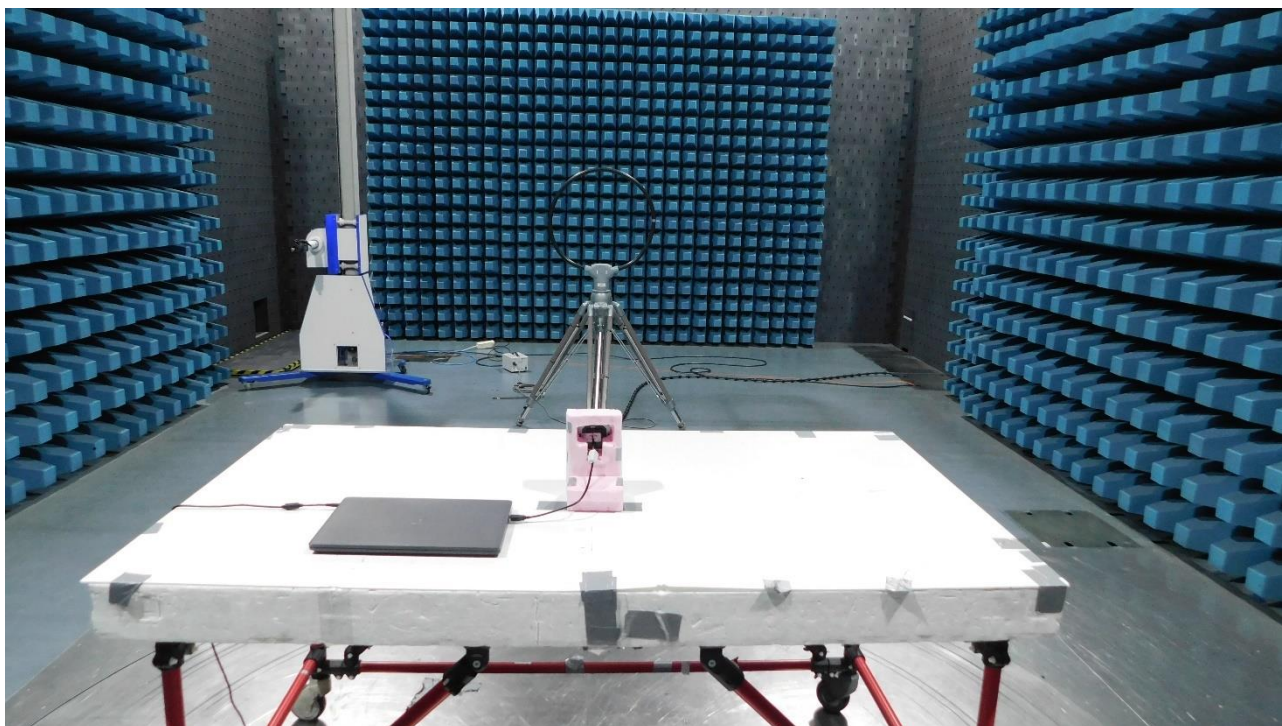


1 Annex A – Test setup

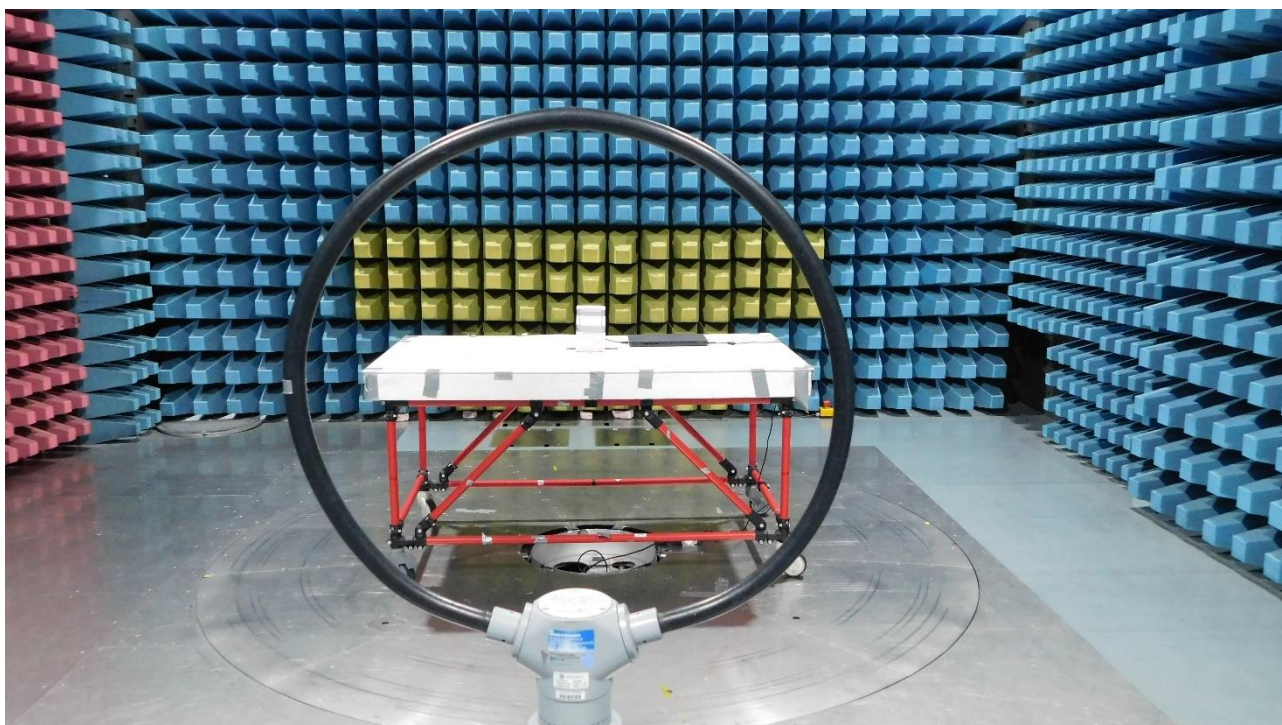
1.1 List of Pictures

Picture 1: SAC, test setup radiated emission test 9 kHz - 30 MHz (front view)	2
Picture 2: SAC, test setup radiated emission test 9 kHz - 30 MHz (rear view)	2
Picture 3: SAC, radiated emission test 30 MHz - 1 GHz (front view)	3
Picture 4: SAC, radiated emission test 30 MHz - 1 GHz (rear view)	3
Picture 5: SAC, radiated emission test 1 GHz – 17 GHz (front view)	4
Picture 6: SAC, radiated emission test 1 GHz – 17 GHz (rear view)	4
Picture 7: SAC, exploratory radiated emission test 17 GHz – 25 GHz (front view)	5
Picture 8: Test setup AC power line conducted emissions (front view)	5
Picture 9: Test setup AC power line conducted emissions (rear view)	6
Picture 10: Conducted measurements	6
Picture 11: SAC, test setup radiated emission test 9 kHz - 30 MHz (front view)	7
Picture 12: SAC, test setup radiated emission test 9 kHz - 30 MHz (rear view)	7
Picture 13: SAC, radiated emission test 30 MHz - 1 GHz (front view)	8
Picture 14: SAC, radiated emission test 30 MHz - 1 GHz (rear view)	8
Picture 15: SAC, radiated emission test 1 GHz – 17 GHz (front view)	9
Picture 16: SAC, radiated emission test 1 GHz – 17 GHz (rear view)	9
Picture 17: SAC, exploratory radiated emission test 17 GHz – 25 GHz (front view)	10
Picture 18: SAC, test setup radiated emission test 9 kHz - 30 MHz (front view)	11
Picture 19: SAC, test setup radiated emission test 9 kHz - 30 MHz (rear view)	11
Picture 20: SAC, radiated emission test 30 MHz - 1 GHz (front view)	12
Picture 21: SAC, radiated emission test 30 MHz - 1 GHz (rear view)	12
Picture 22: SAC, radiated emission test 1 GHz – 17 GHz (front view)	13
Picture 23: SAC, radiated emission test 1 GHz – 17 GHz (rear view)	13
Picture 24: SAC, exploratory radiated emission test 17 GHz – 25 GHz (front view)	14
Picture 25: EUT position X	15
Picture 26: EUT position Y	15
Picture 27: USB cable	16
Picture 28: RS-485 adapter	16
Picture 29: Wiegand adapter	17

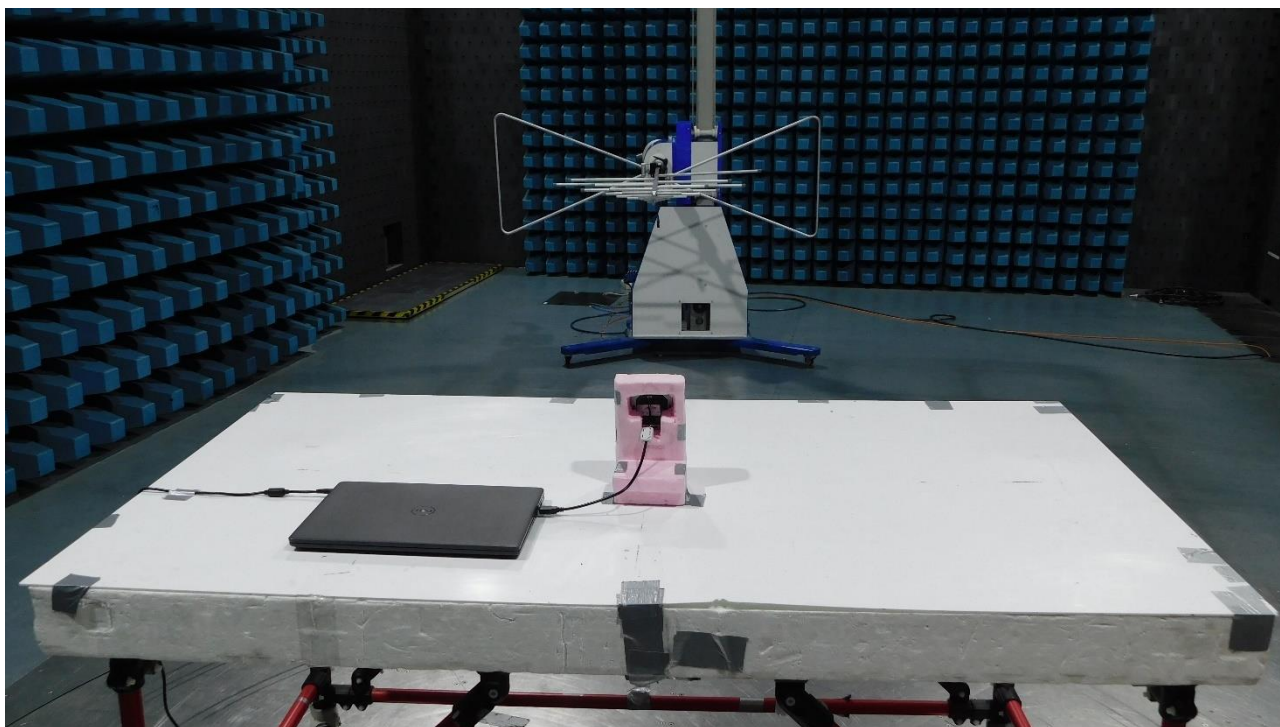
USB mode



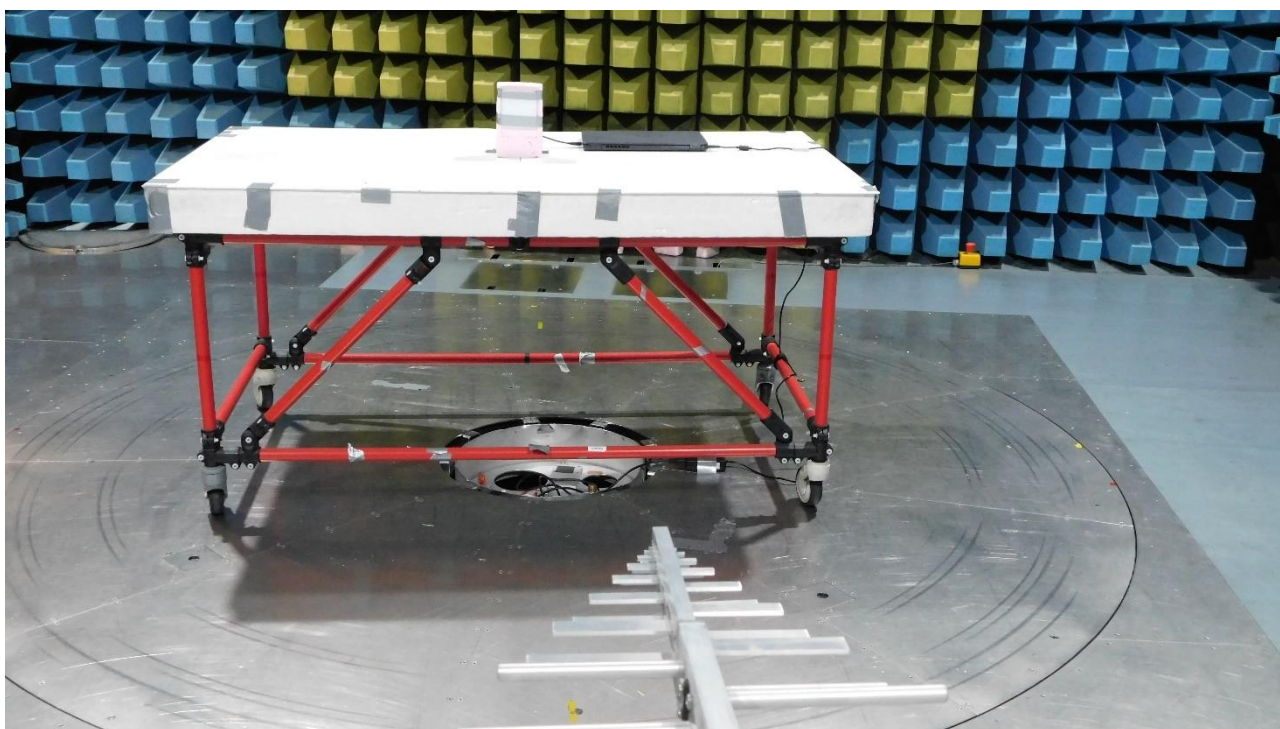
Picture 1: SAC, test setup radiated emission test 9 kHz - 30 MHz (front view)



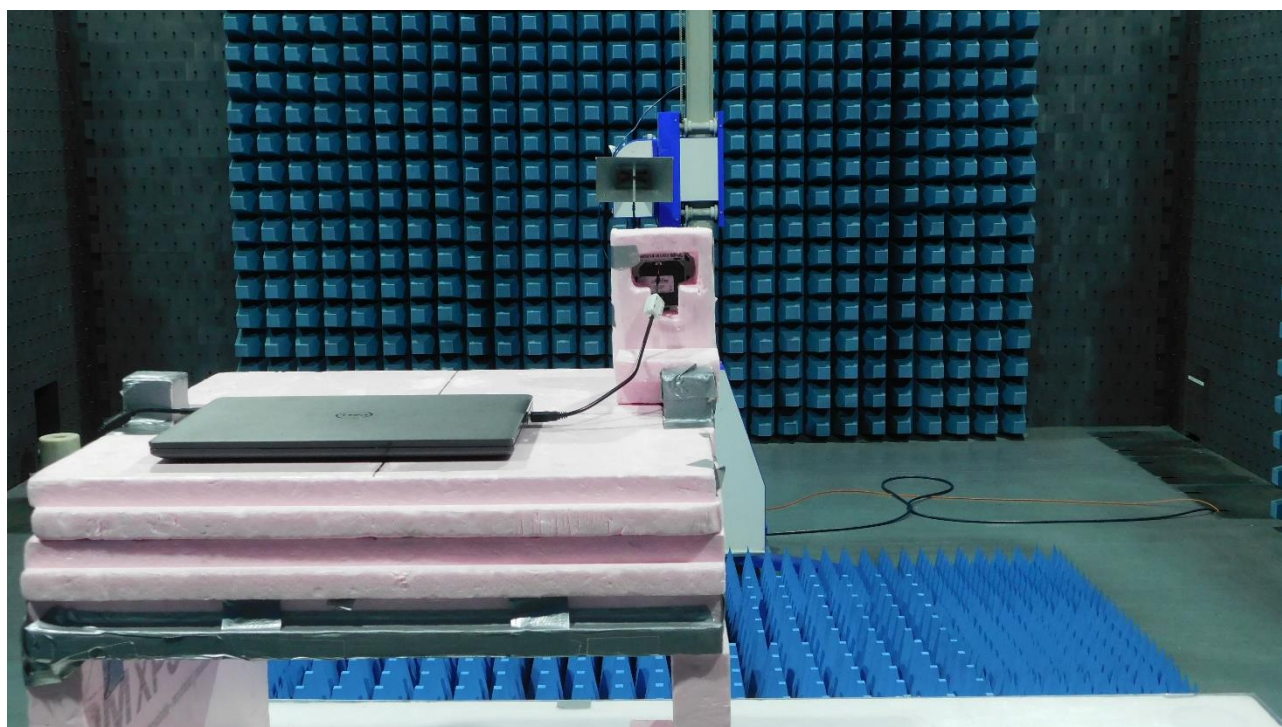
Picture 2: SAC, test setup radiated emission test 9 kHz - 30 MHz (rear view)



Picture 3: SAC, radiated emission test 30 MHz - 1 GHz (front view)



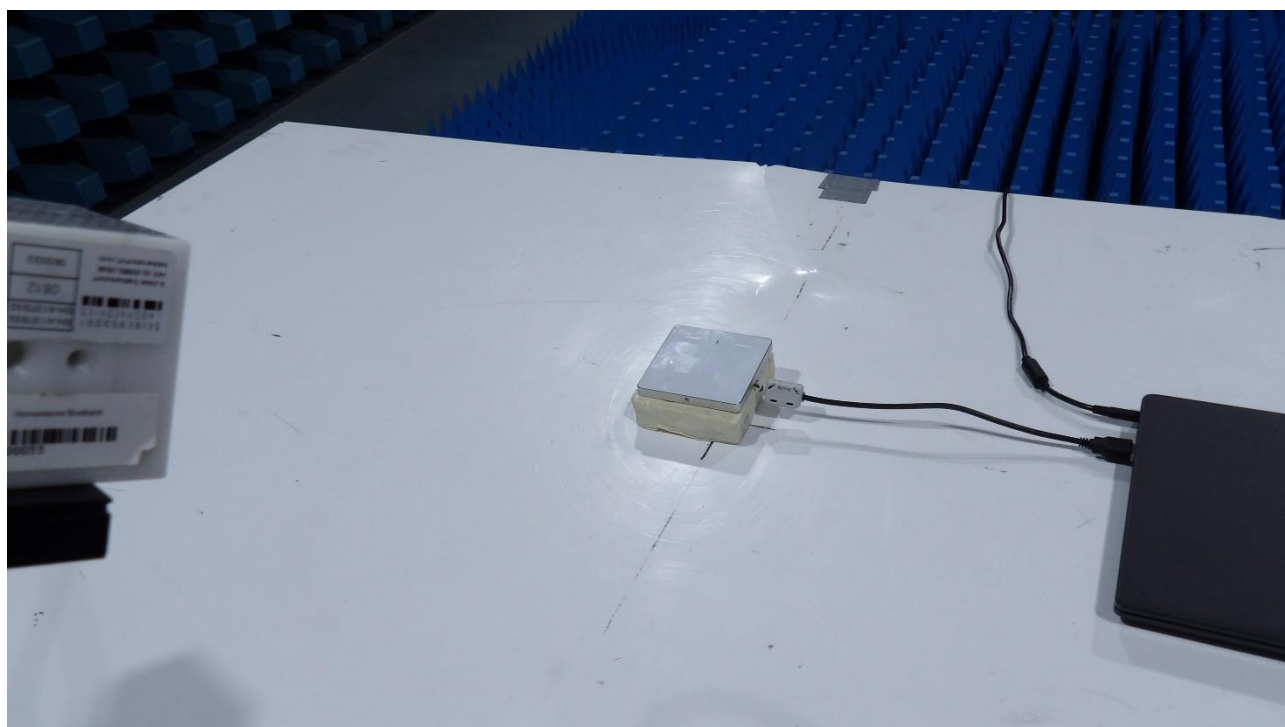
Picture 4: SAC, radiated emission test 30 MHz - 1 GHz (rear view)



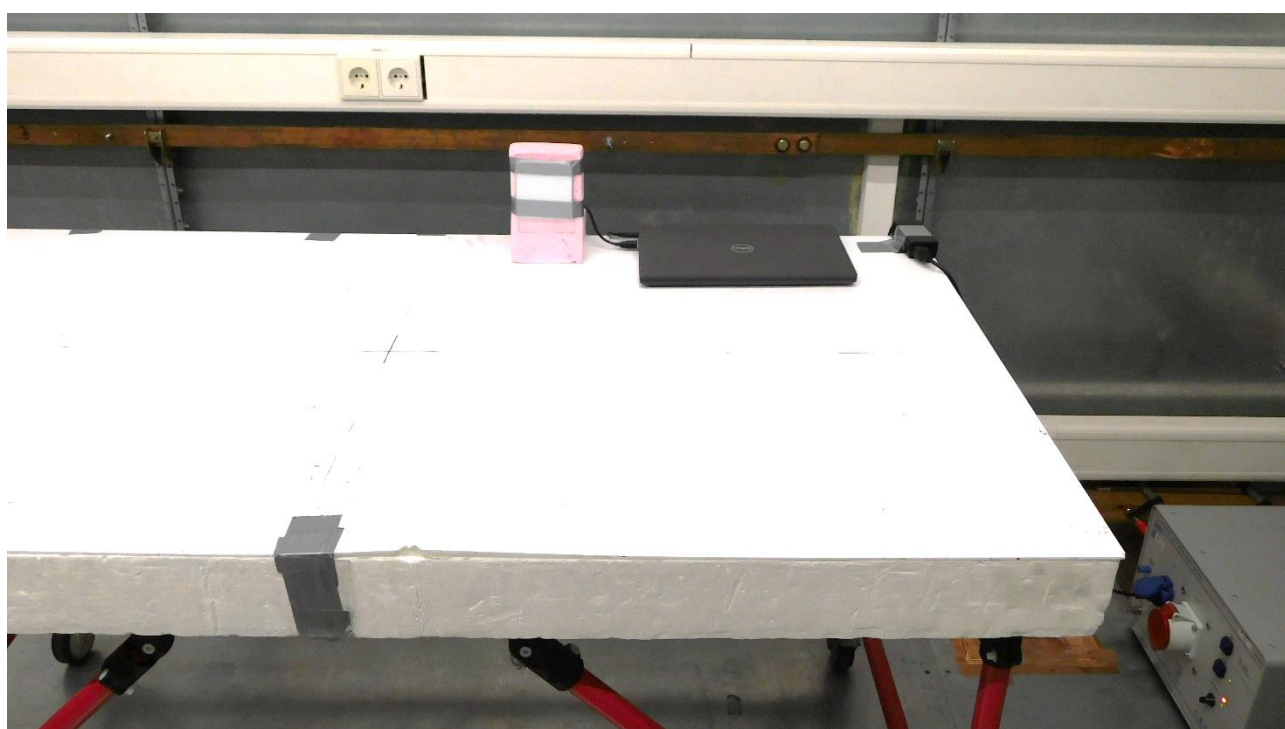
Picture 5: SAC, radiated emission test 1 GHz – 17 GHz (front view)



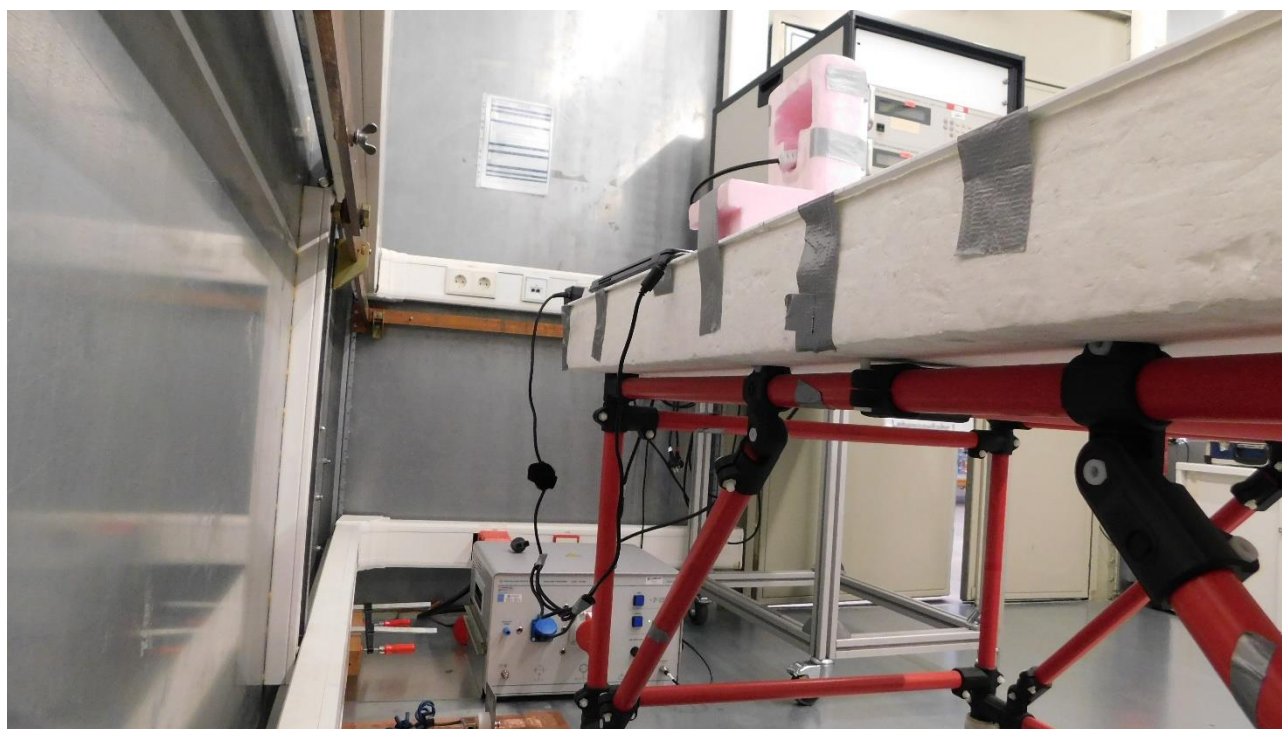
Picture 6: SAC, radiated emission test 1 GHz – 17 GHz (rear view)



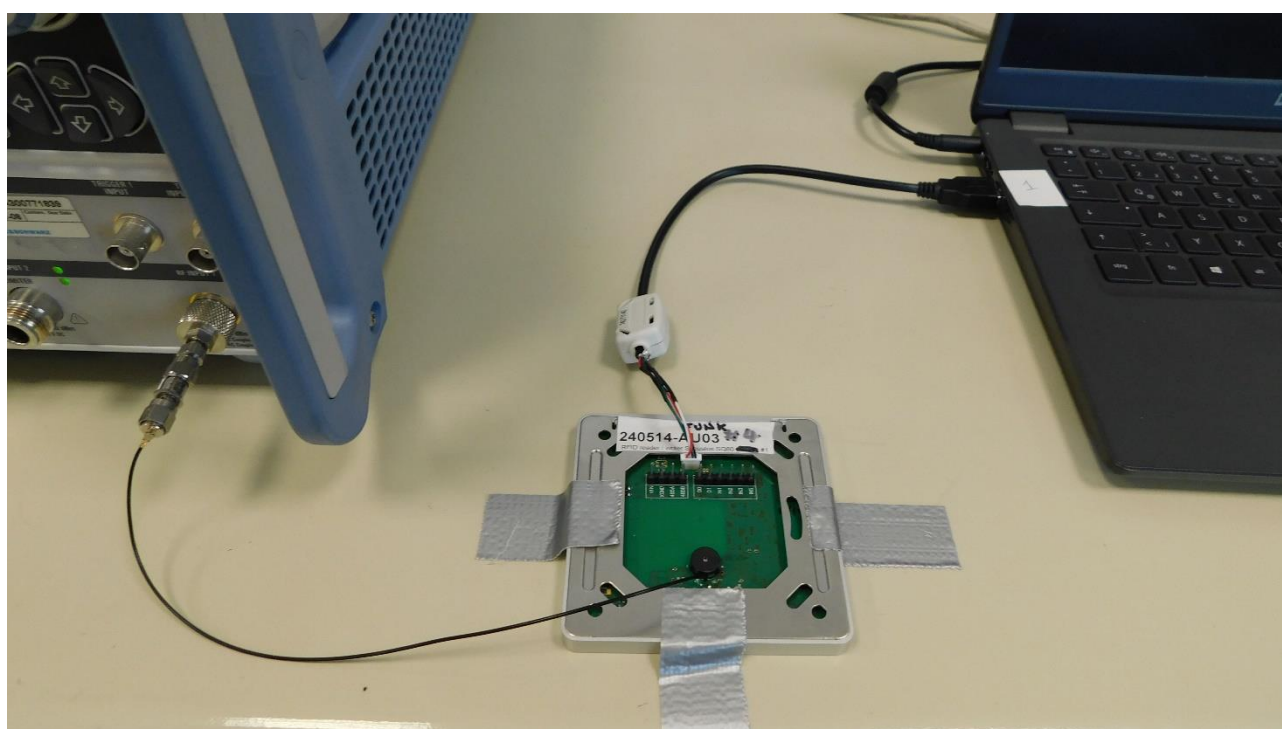
Picture 7: SAC, exploratory radiated emission test 17 GHz – 25 GHz (front view)



Picture 8: Test setup AC power line conducted emissions (front view)

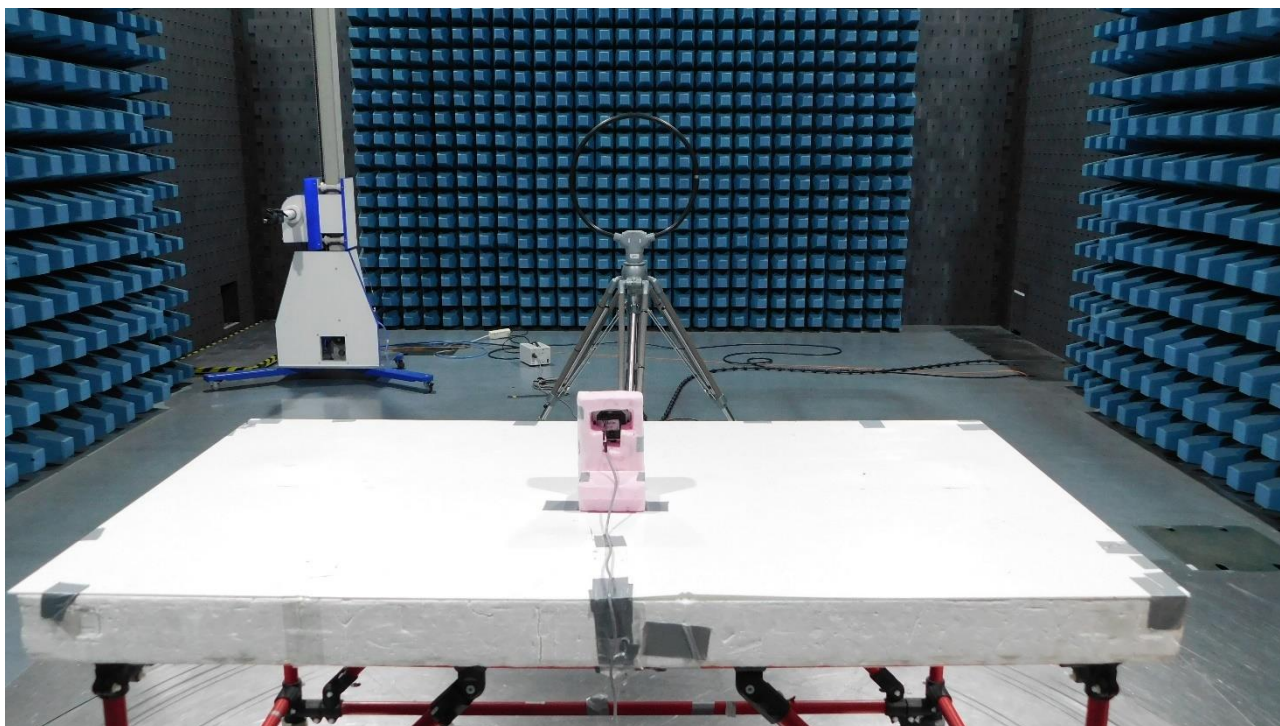


Picture 9: Test setup AC power line conducted emissions (rear view)

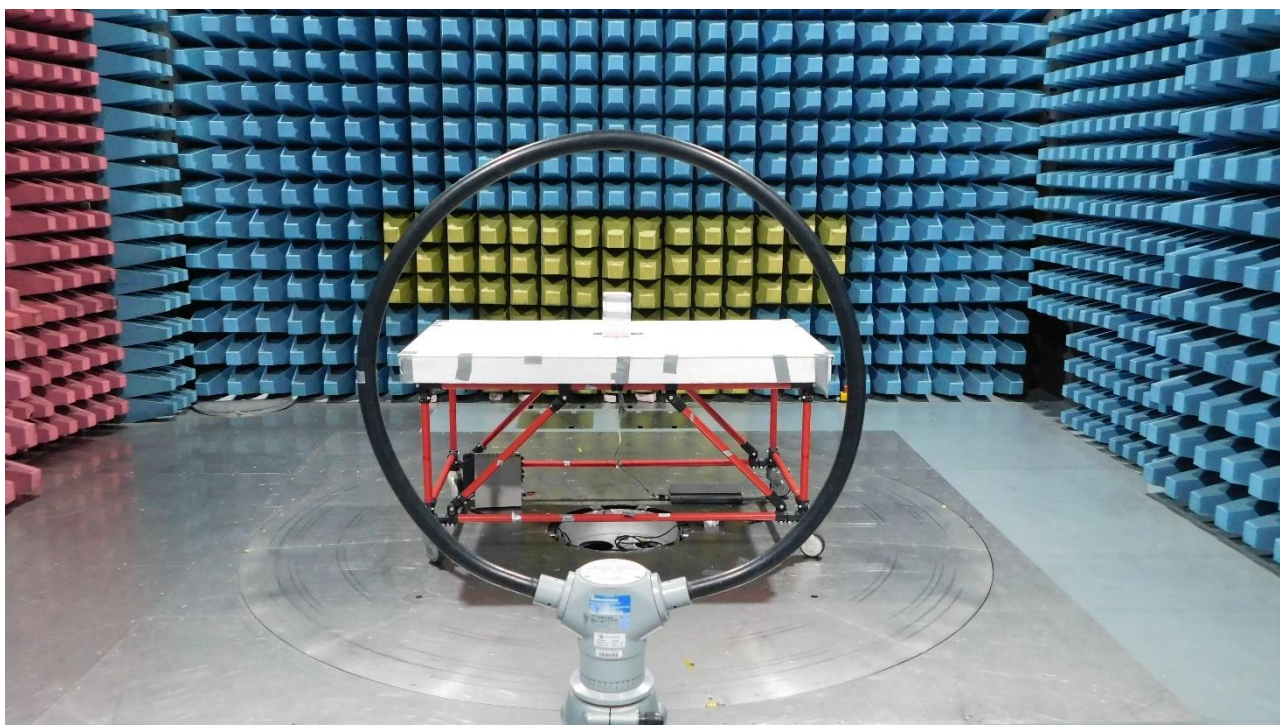


Picture 10: Conducted measurements

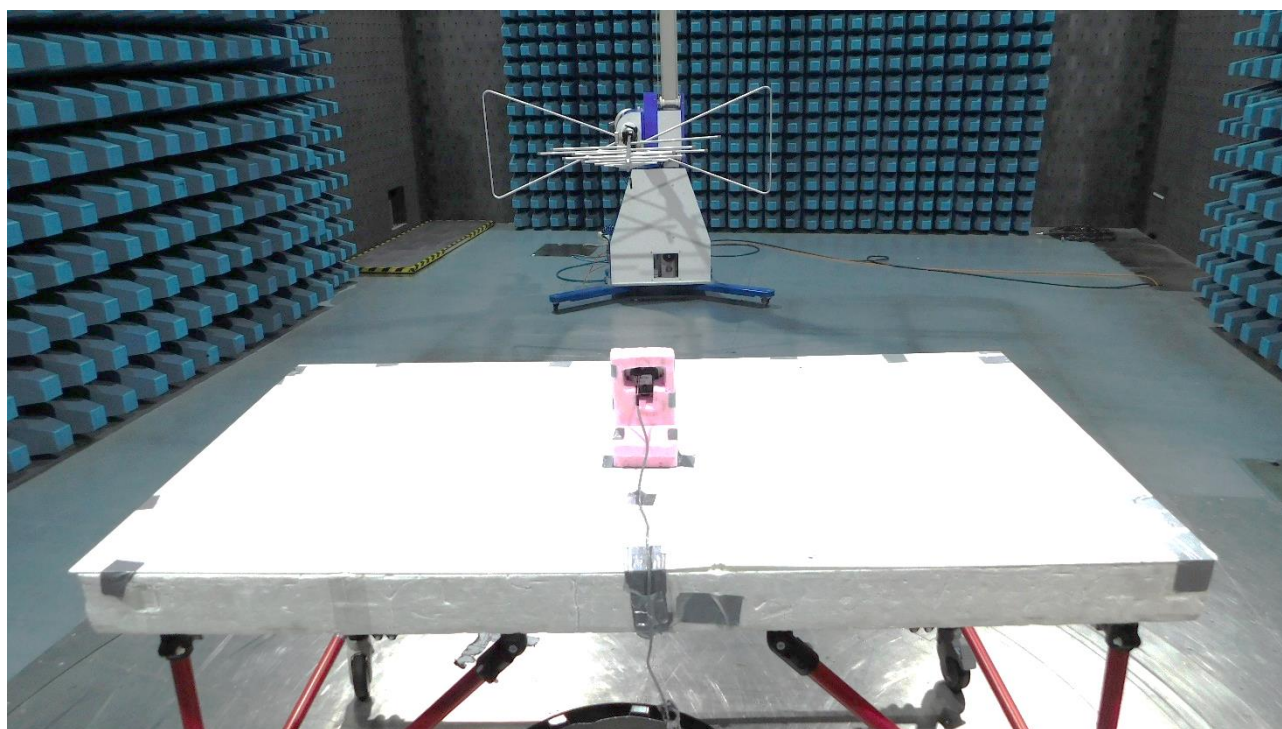
RS-485 mode



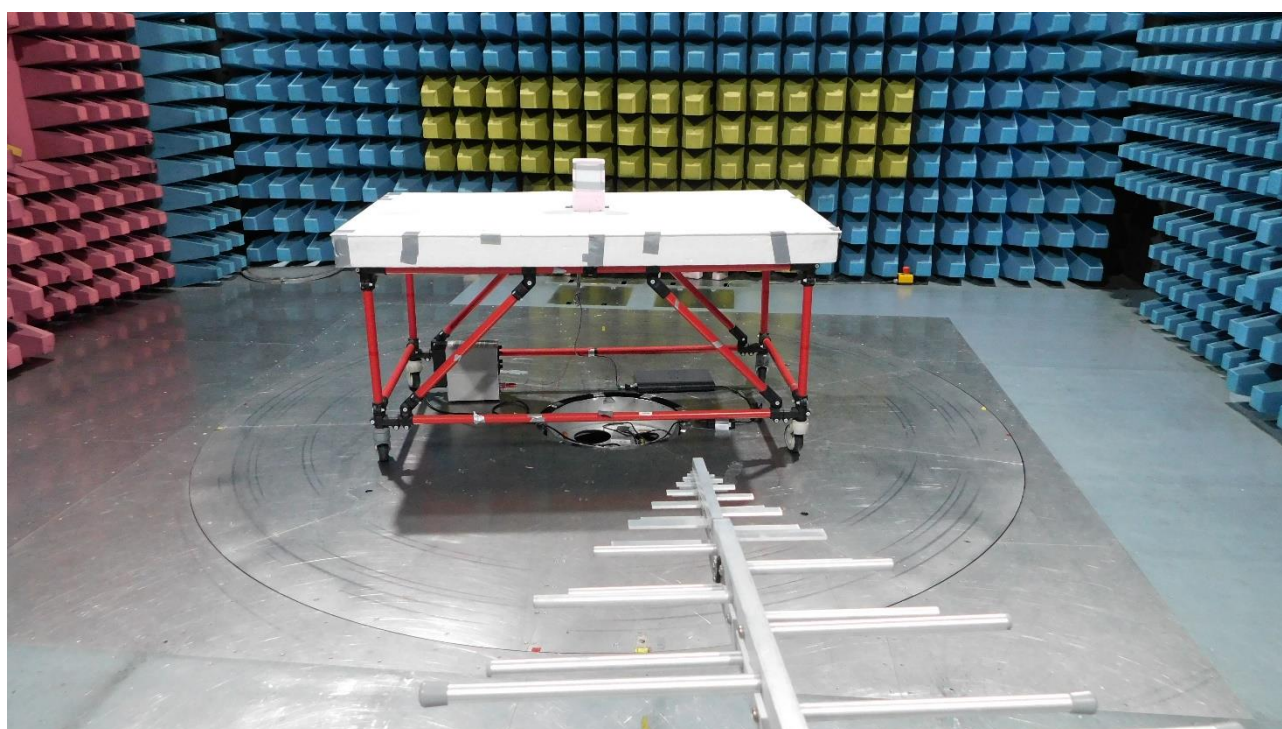
Picture 11: SAC, test setup radiated emission test 9 kHz - 30 MHz (front view)



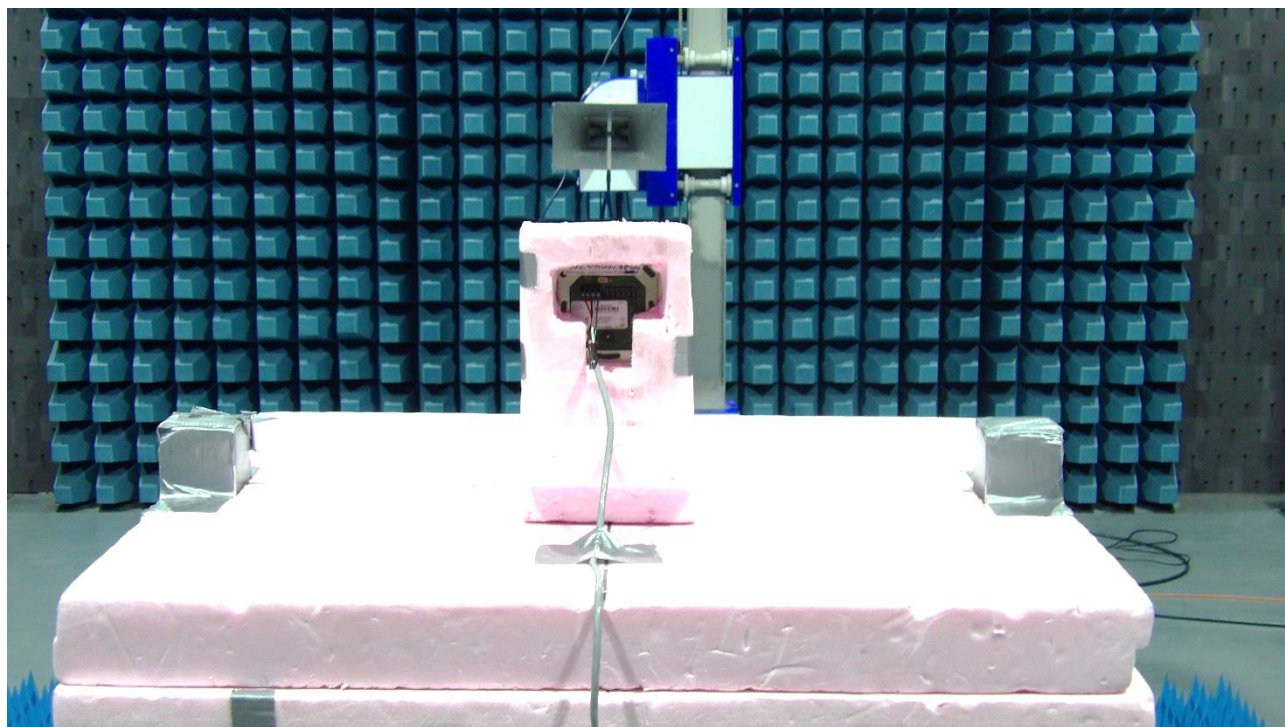
Picture 12: SAC, test setup radiated emission test 9 kHz - 30 MHz (rear view)



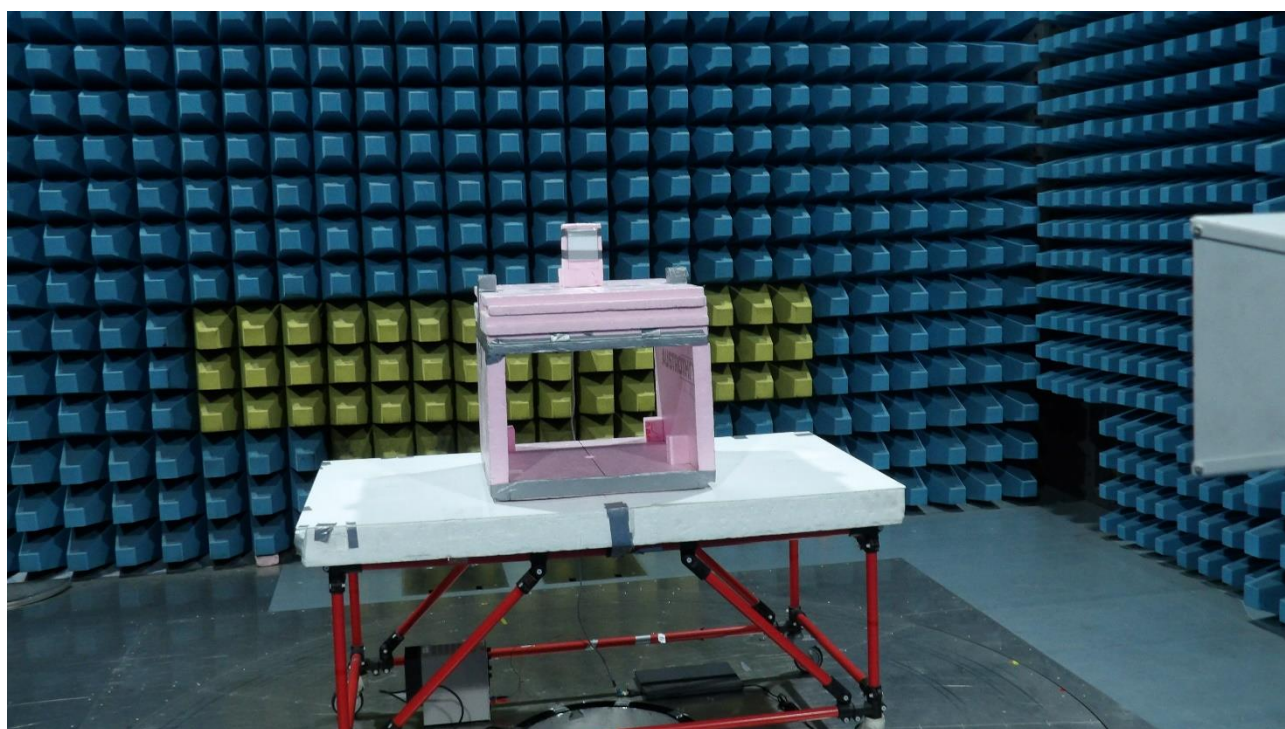
Picture 13: SAC, radiated emission test 30 MHz - 1 GHz (front view)



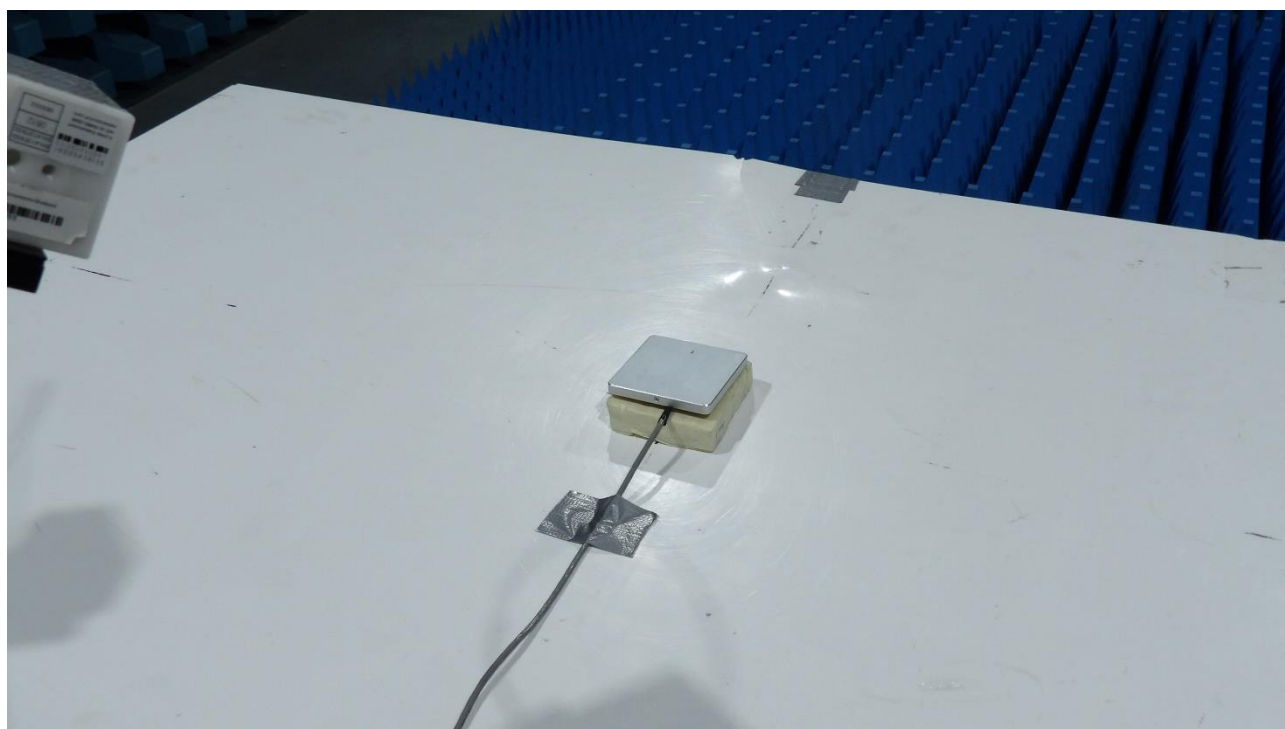
Picture 14: SAC, radiated emission test 30 MHz - 1 GHz (rear view)



Picture 15: SAC, radiated emission test 1 GHz – 17 GHz (front view)

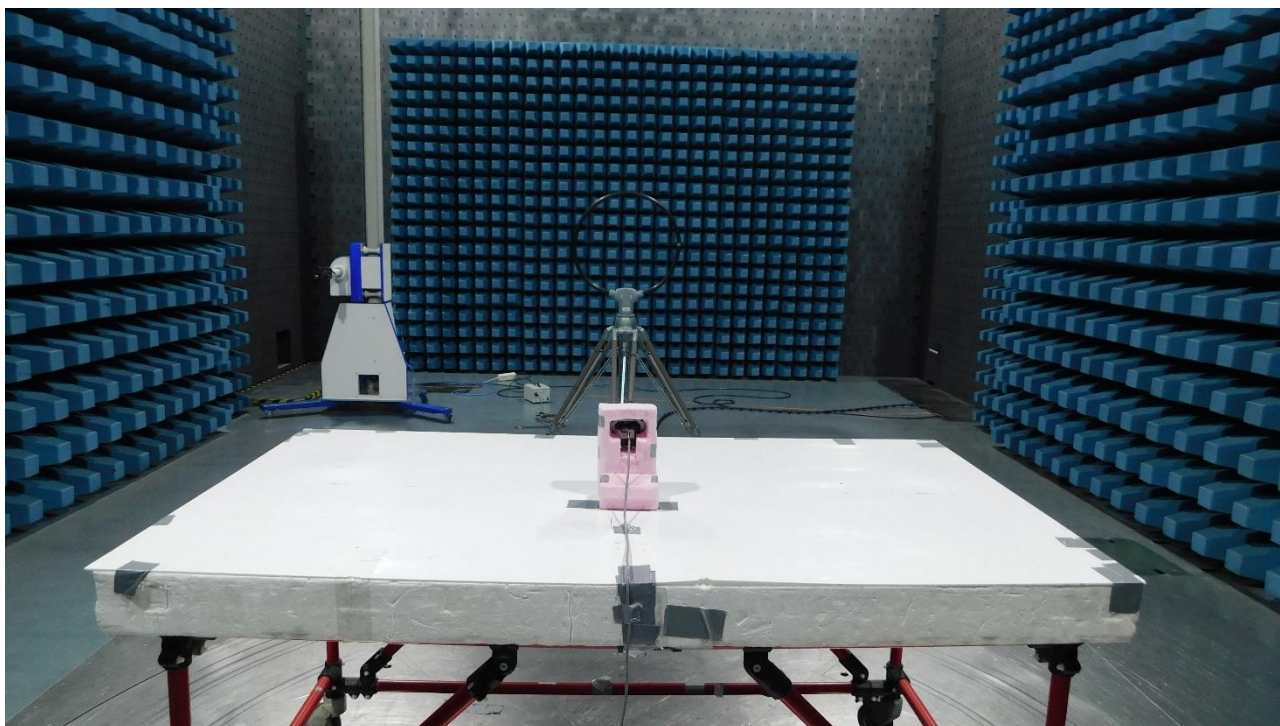


Picture 16: SAC, radiated emission test 1 GHz – 17 GHz (rear view)

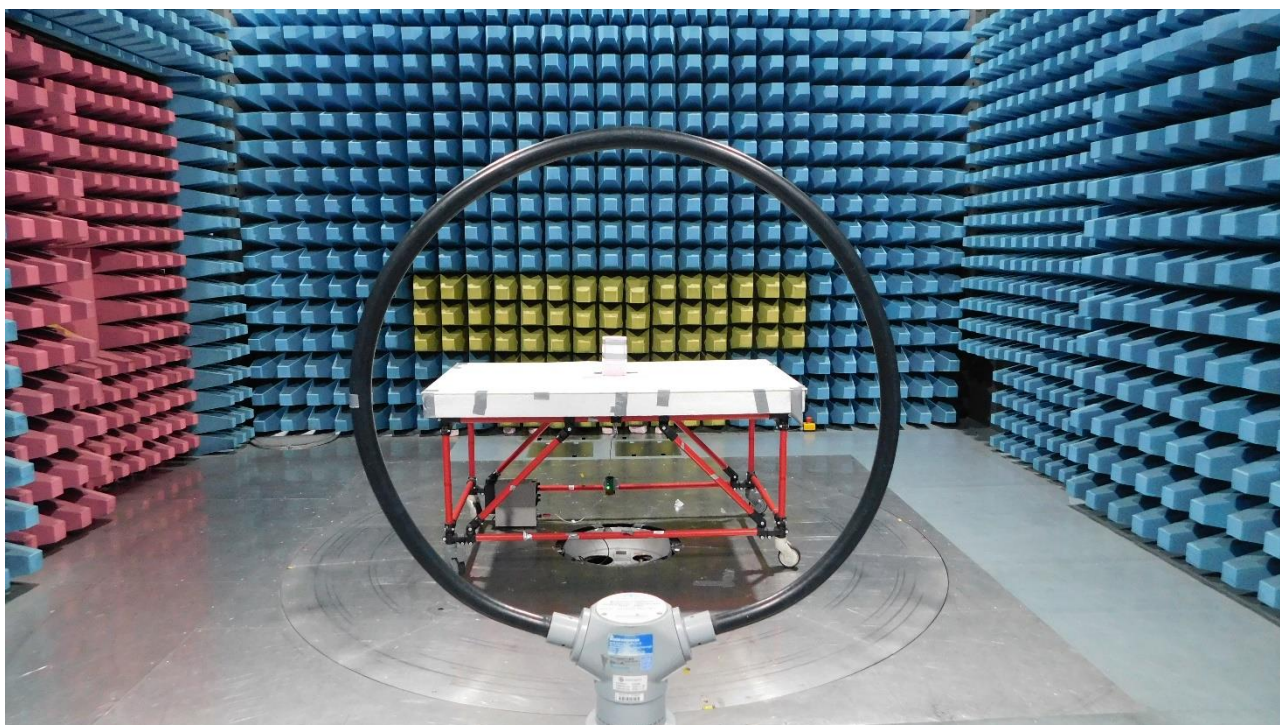


Picture 17: SAC, exploratory radiated emission test 17 GHz – 25 GHz (front view)

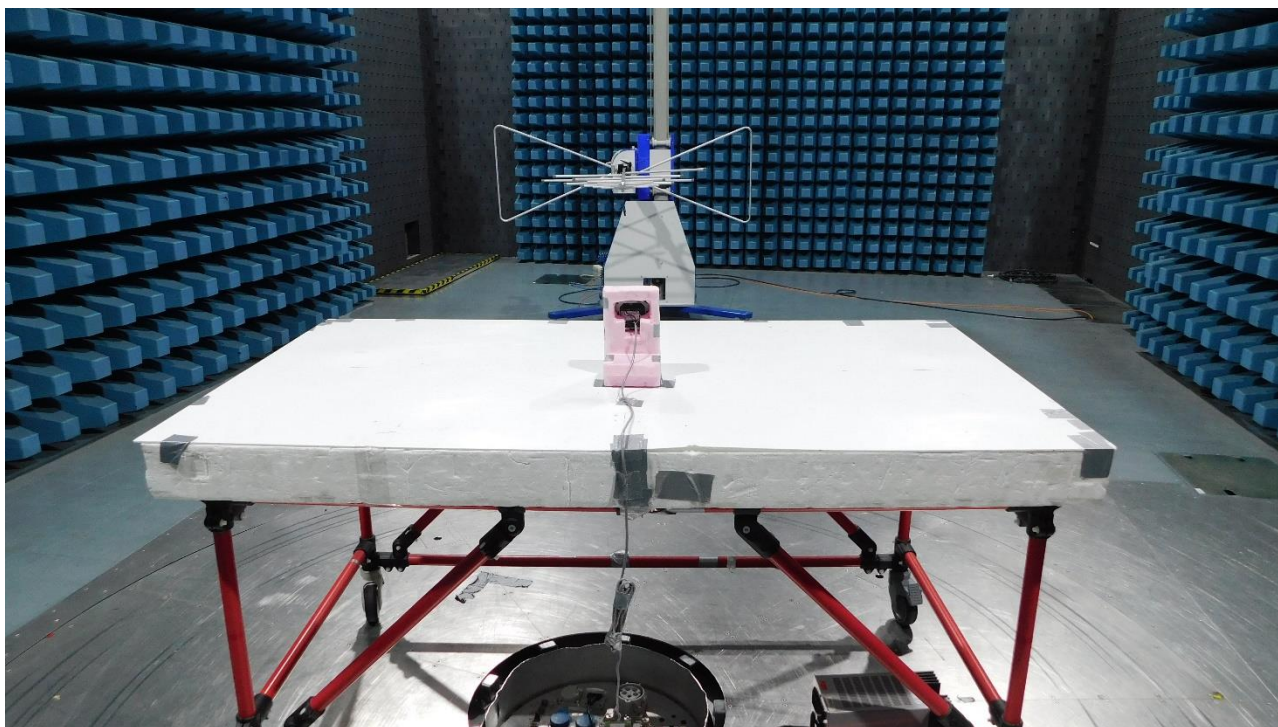
Wiegand mode



Picture 18: SAC, test setup radiated emission test 9 kHz - 30 MHz (front view)



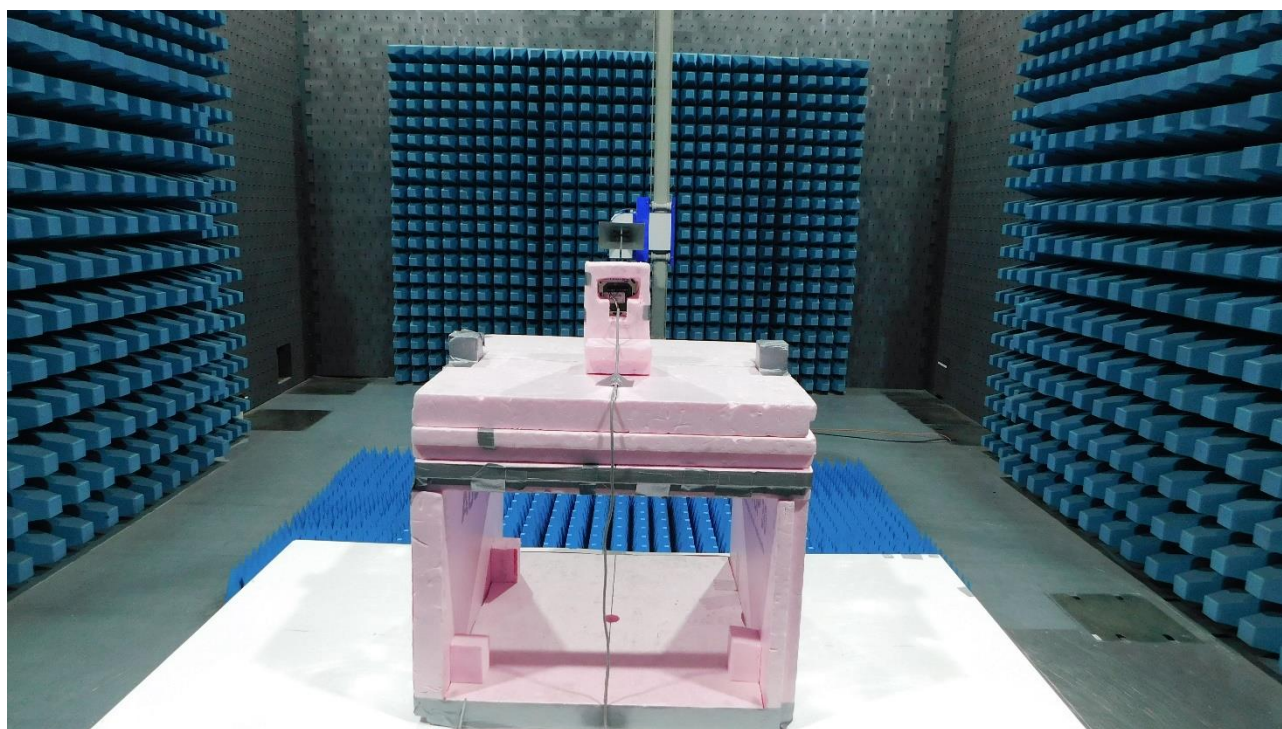
Picture 19: SAC, test setup radiated emission test 9 kHz - 30 MHz (rear view)



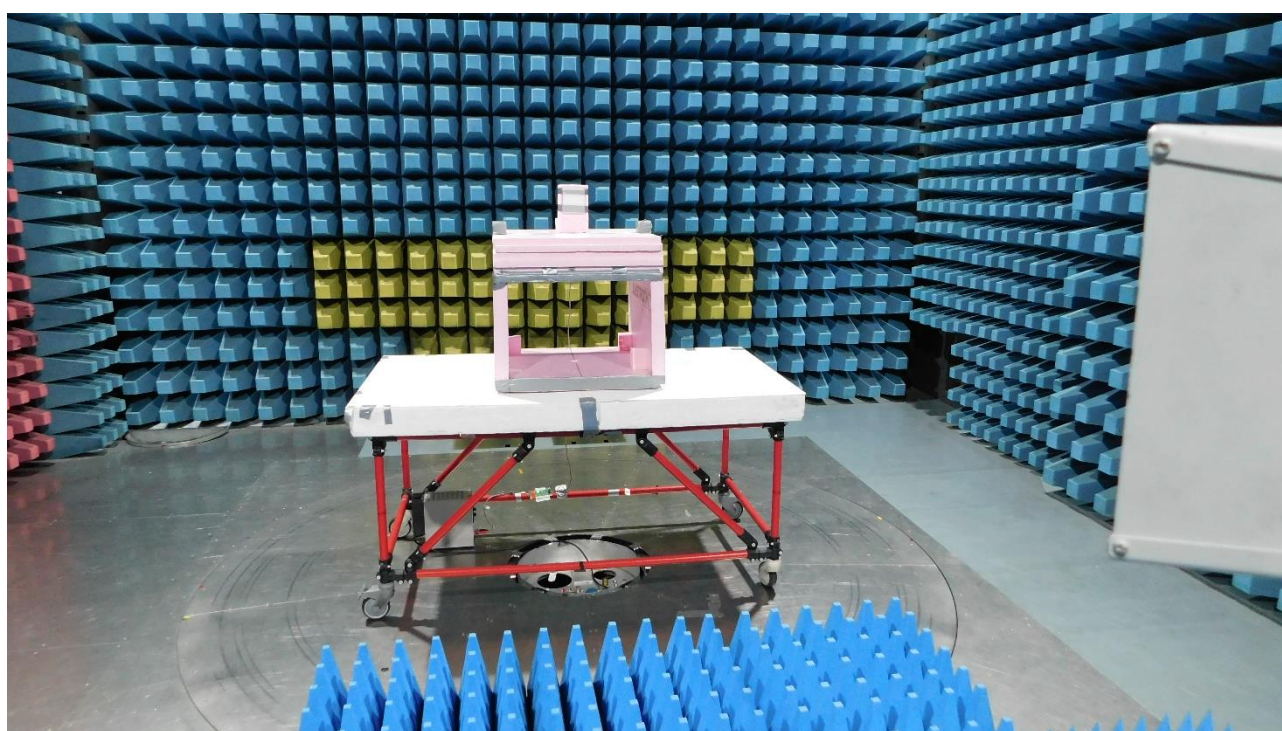
Picture 20: SAC, radiated emission test 30 MHz - 1 GHz (front view)



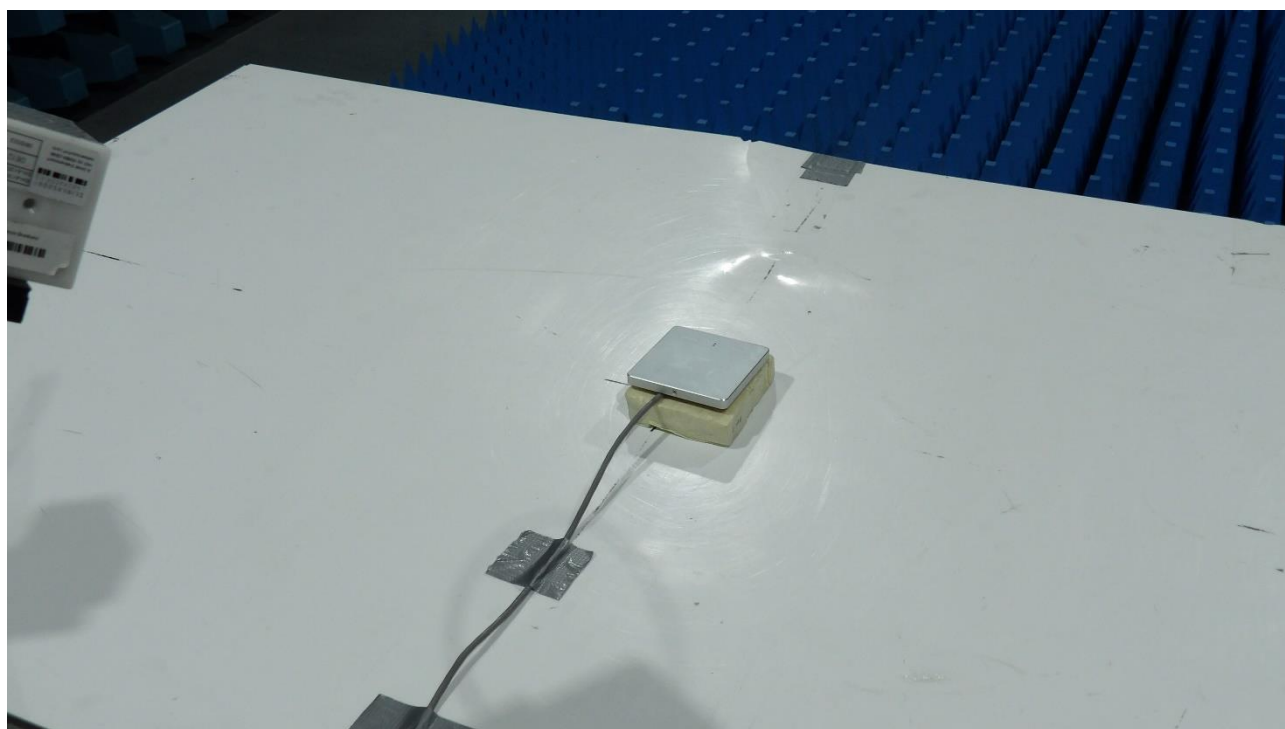
Picture 21: SAC, radiated emission test 30 MHz - 1 GHz (rear view)



Picture 22: SAC, radiated emission test 1 GHz – 17 GHz (front view)



Picture 23: SAC, radiated emission test 1 GHz – 17 GHz (rear view)



Picture 24: SAC, exploratory radiated emission test 17 GHz – 25 GHz (front view)

Note(s):

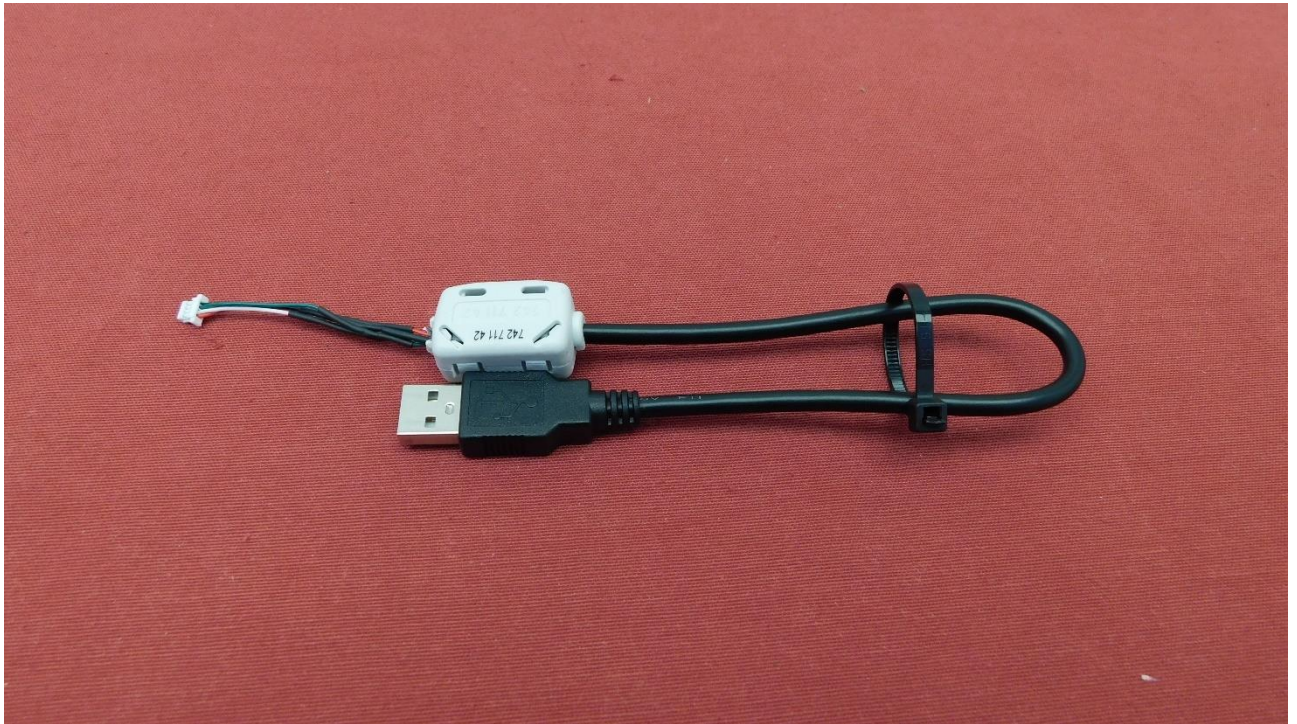
1. Position Y is the normal position of use.
2. Position X was only used for the radiated tests below 30 MHz, because the measurement antenna can only be polarized vertical.



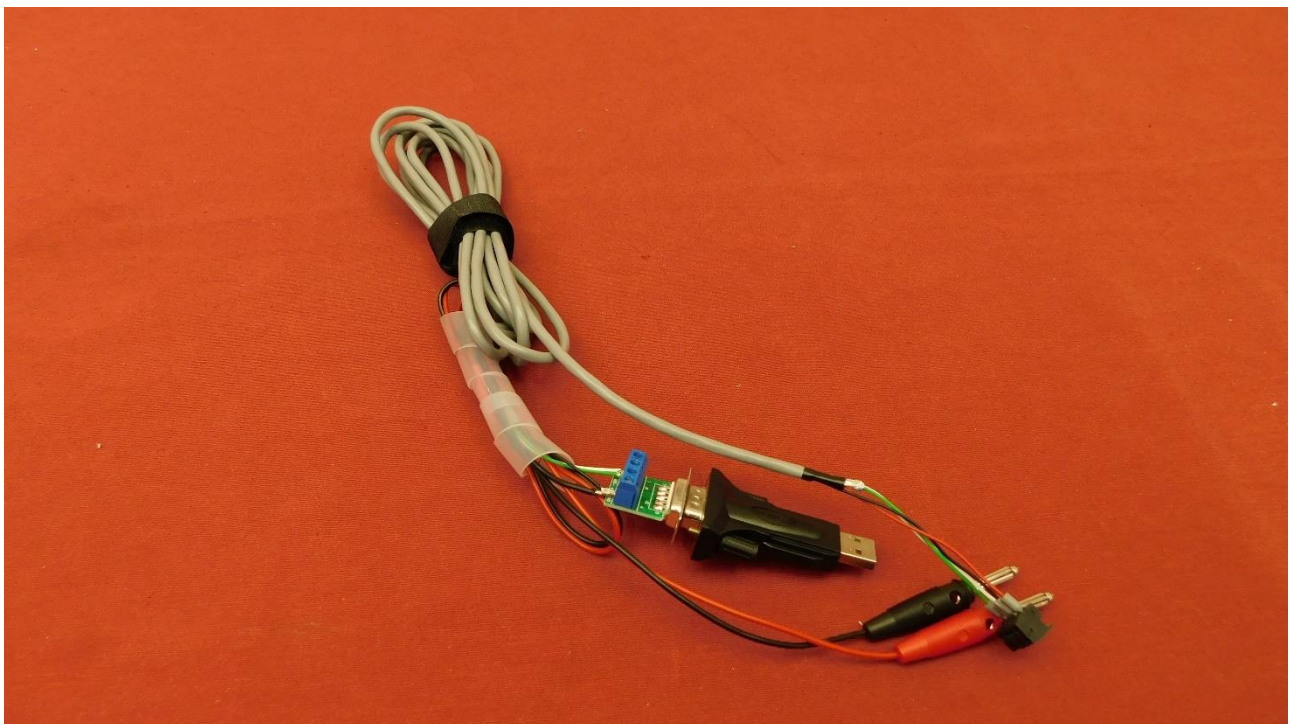
Picture 25: EUT position X



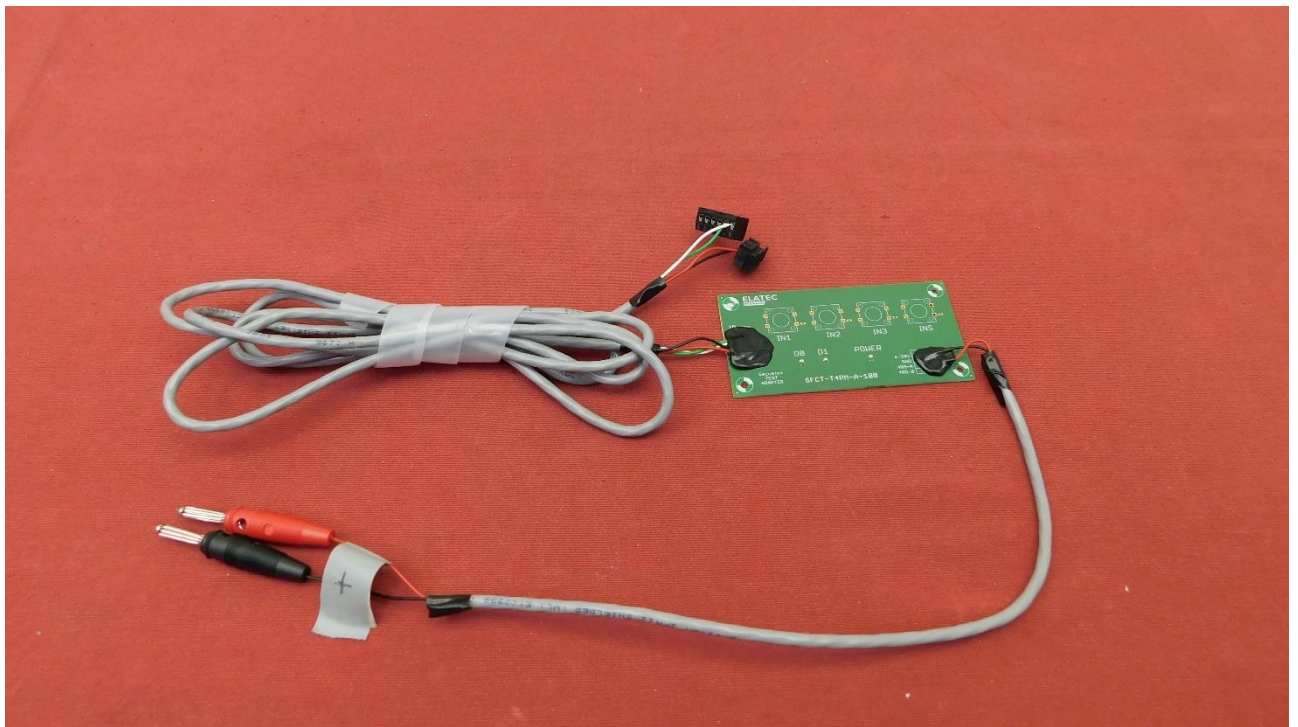
Picture 26: EUT position Y



Picture 27: USB cable



Picture 28: RS-485 adapter



Picture 29: Wiegand adapter