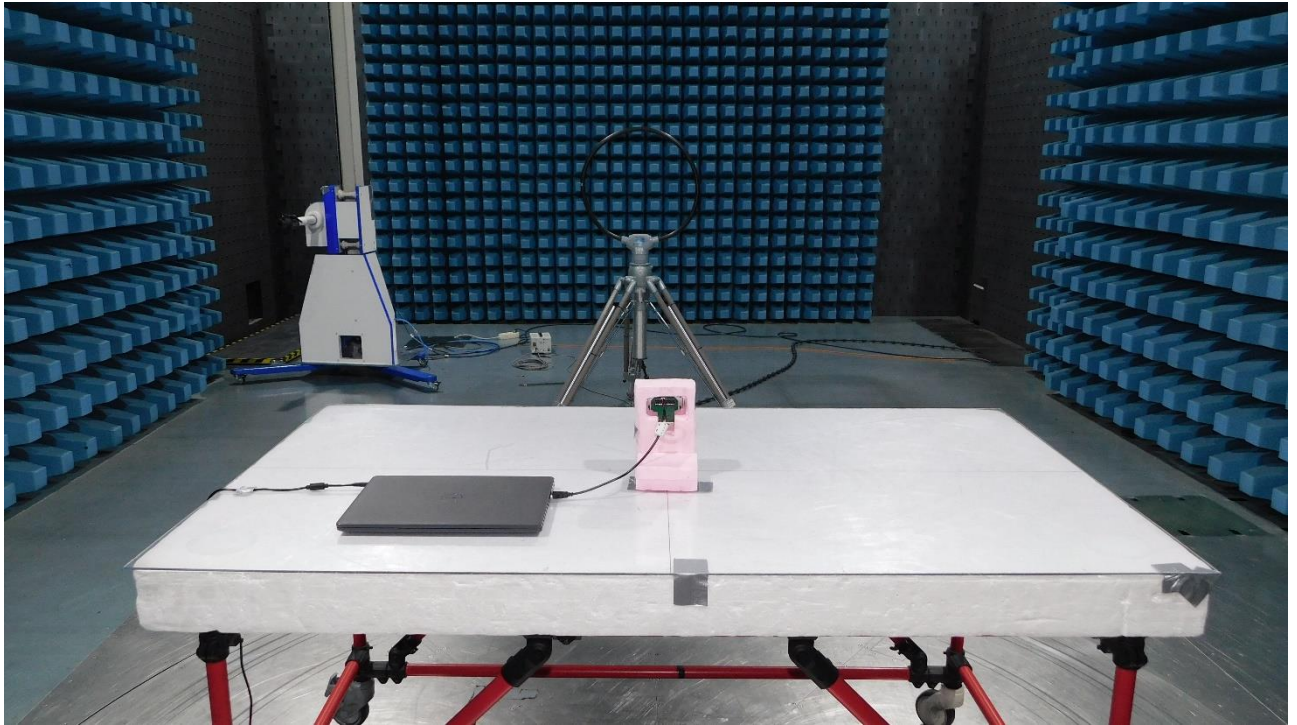


1 Annex A – Test setup

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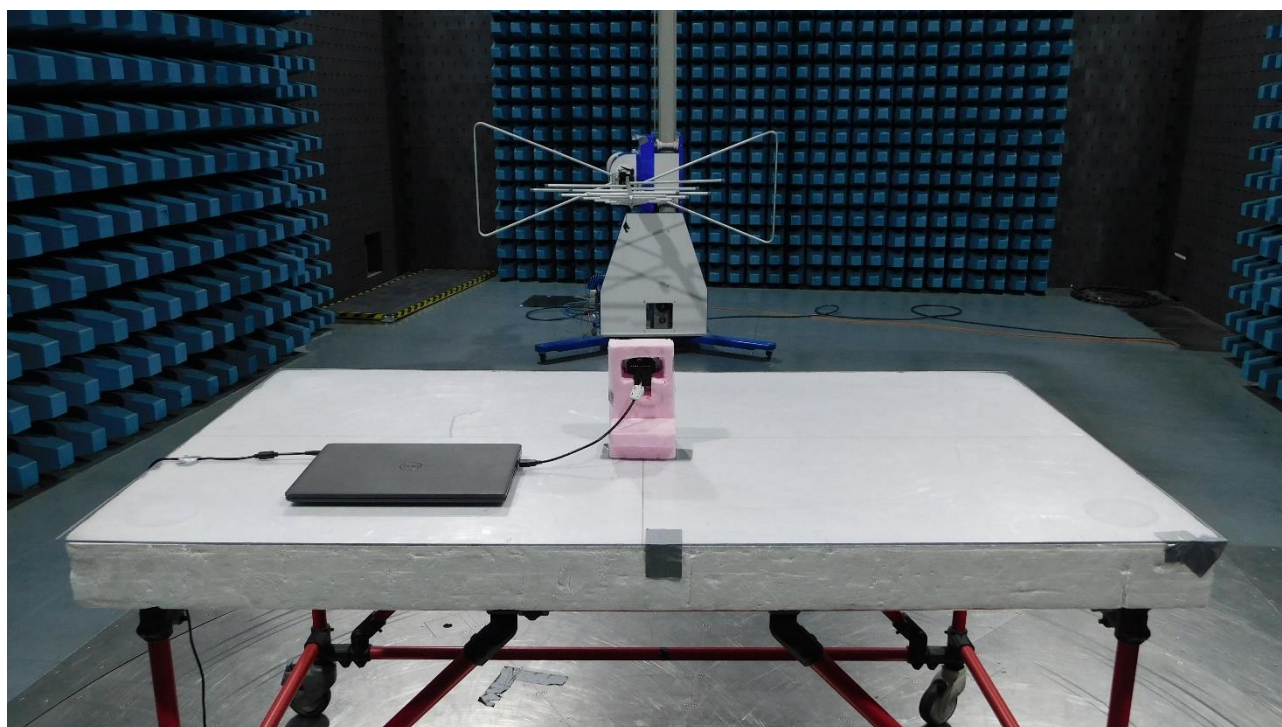
USB mode



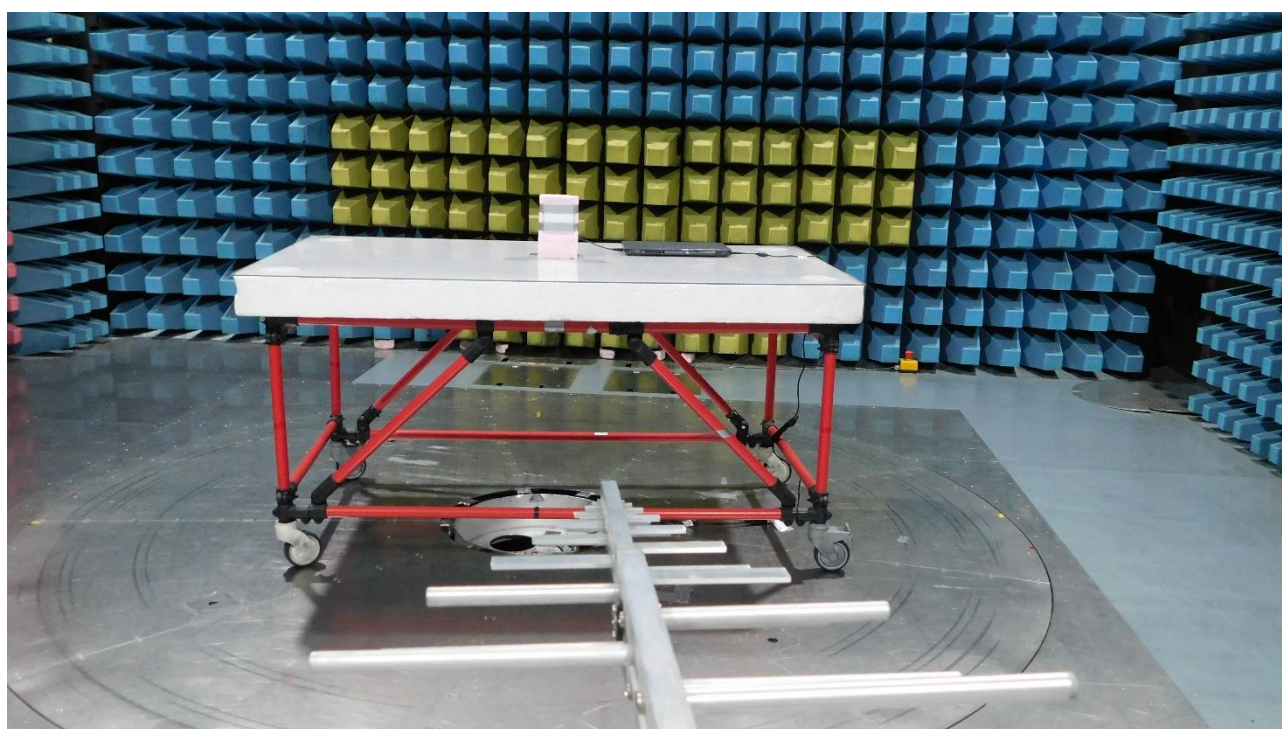
Picture 1: SAC, test setup radiated emission test 9 kHz - 30 MHz (front view)



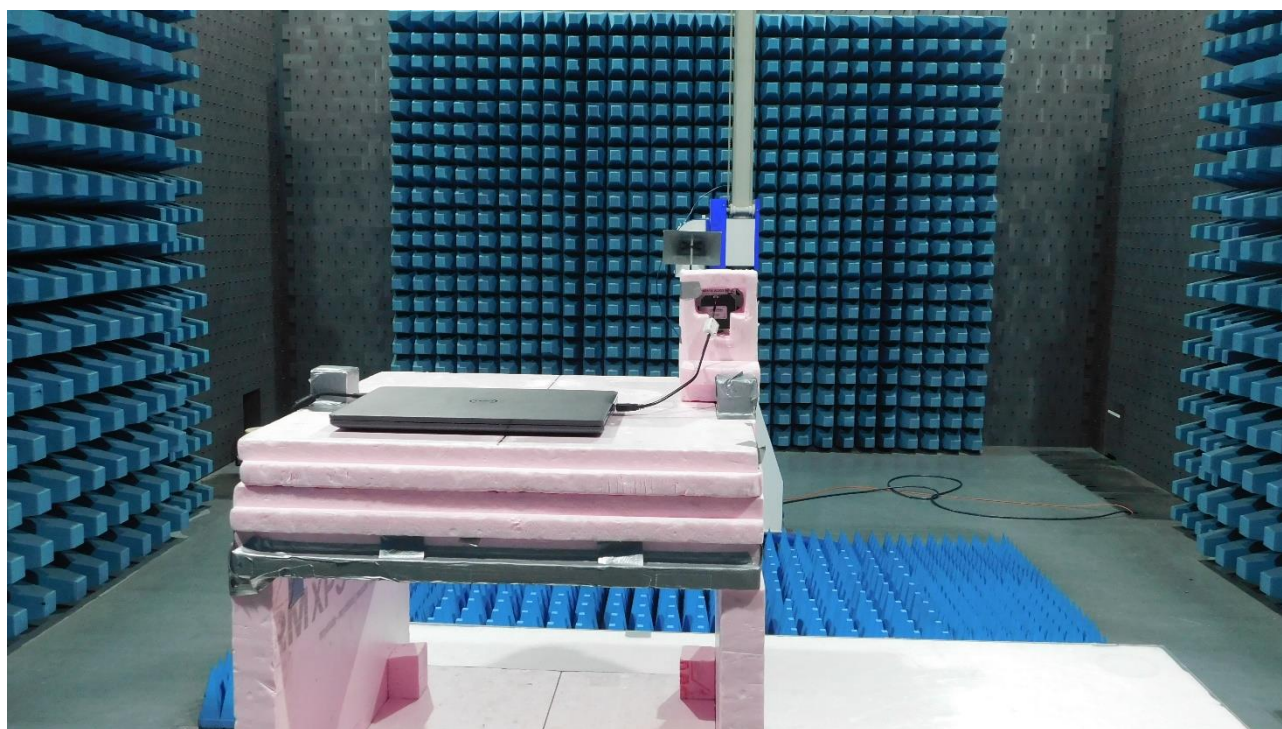
Picture 2: SAC, test setup radiated emission test 9 kHz - 30 MHz (rear view)



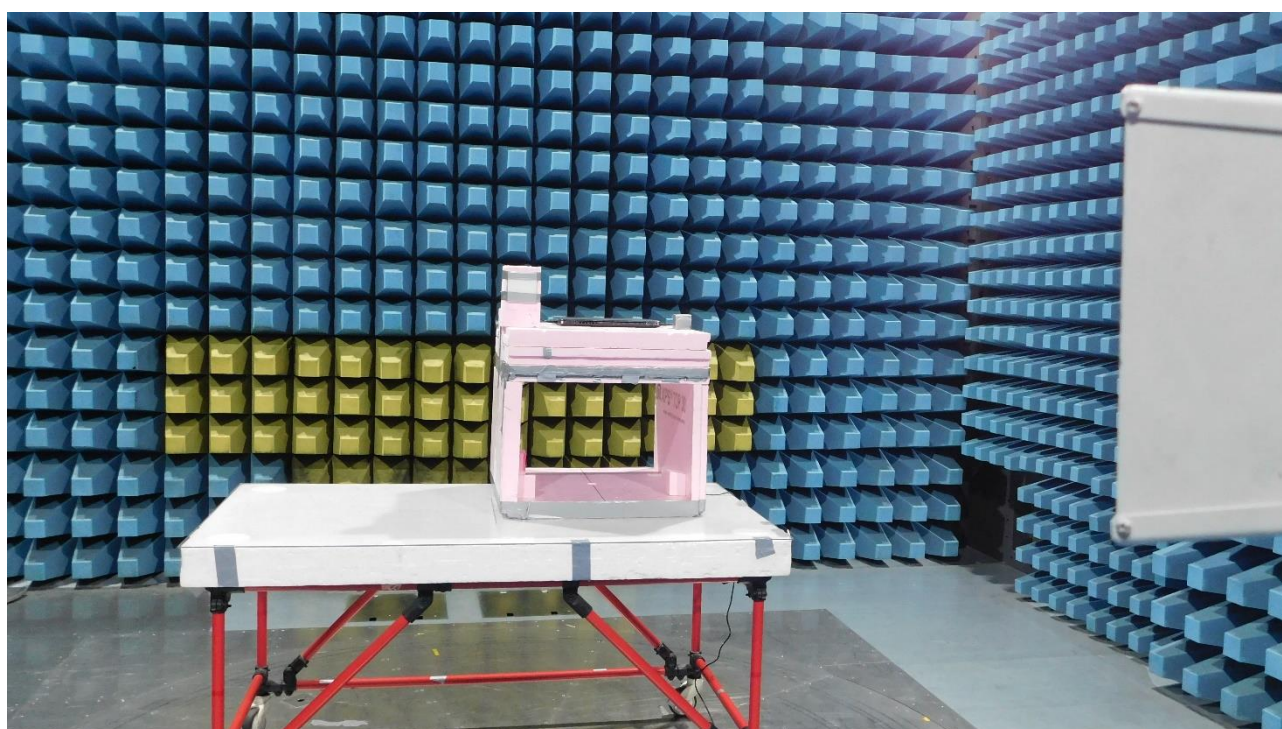
Picture 3: SAC, radiated emission test 30 MHz - 1 GHz (front view)



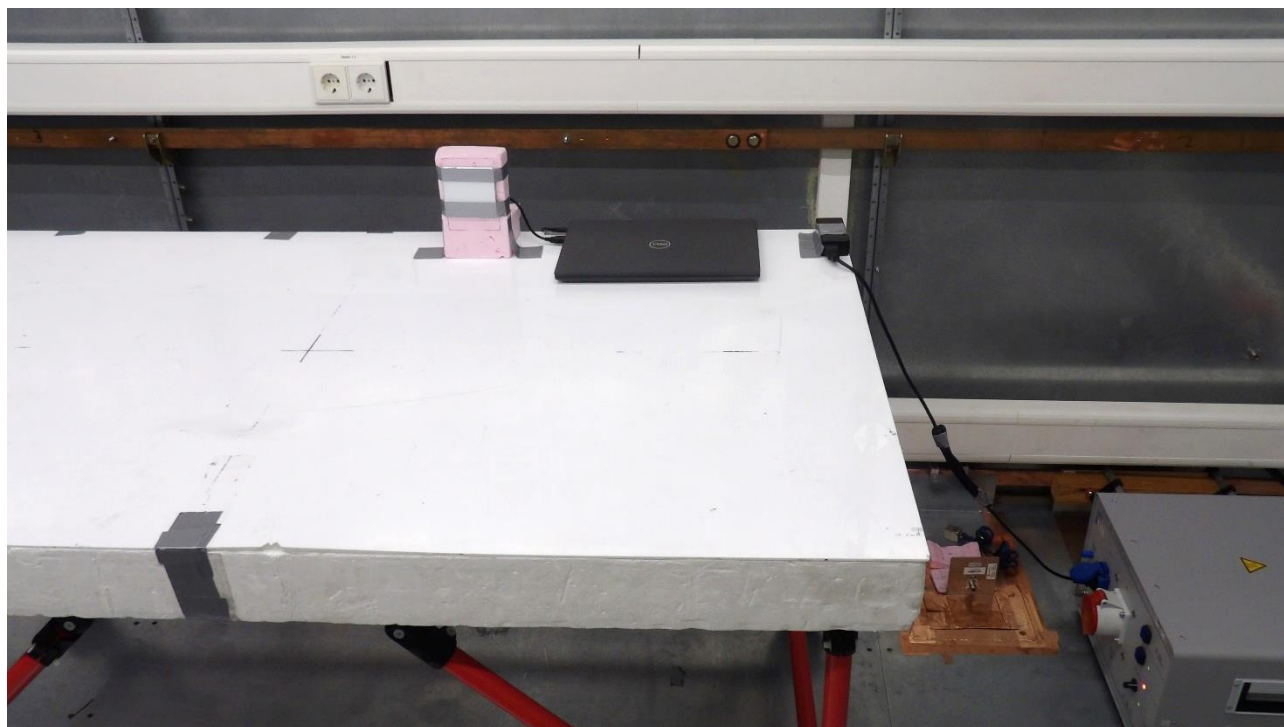
Picture 4: SAC, radiated emission test 30 MHz - 1 GHz (rear view)



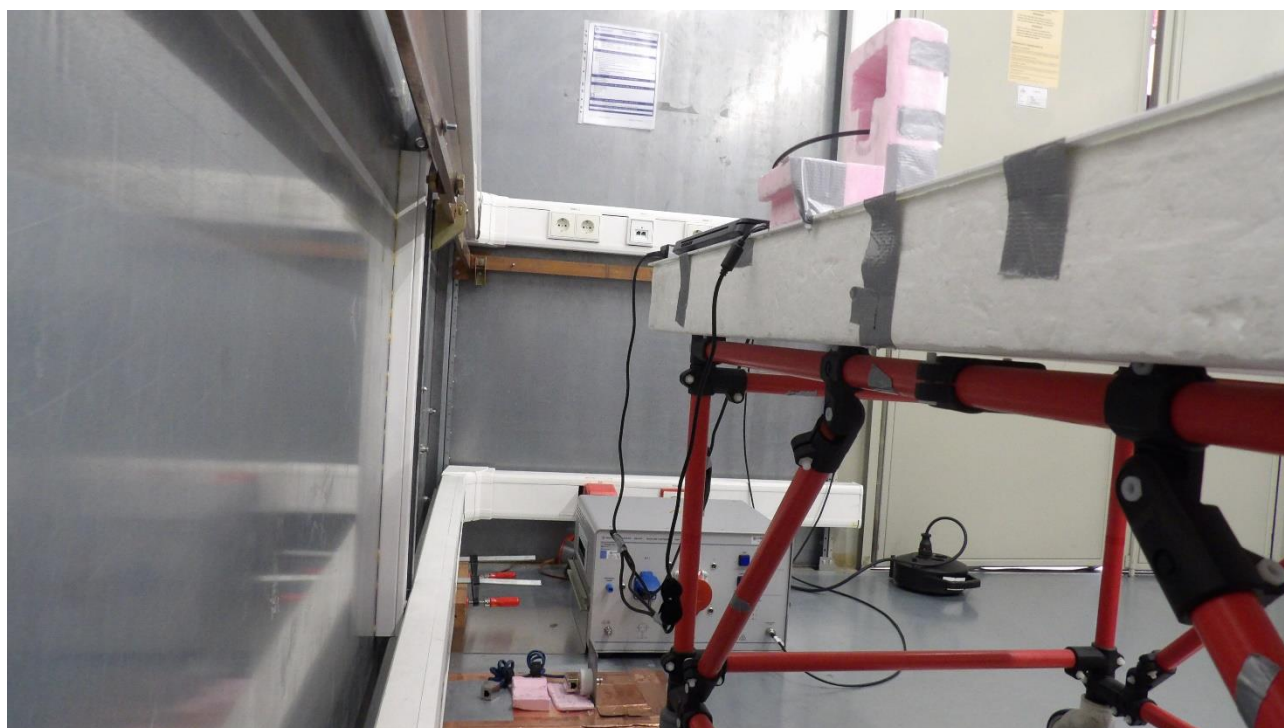
Picture 5: SAC, radiated emission test 1 GHz – 13 GHz (front view)



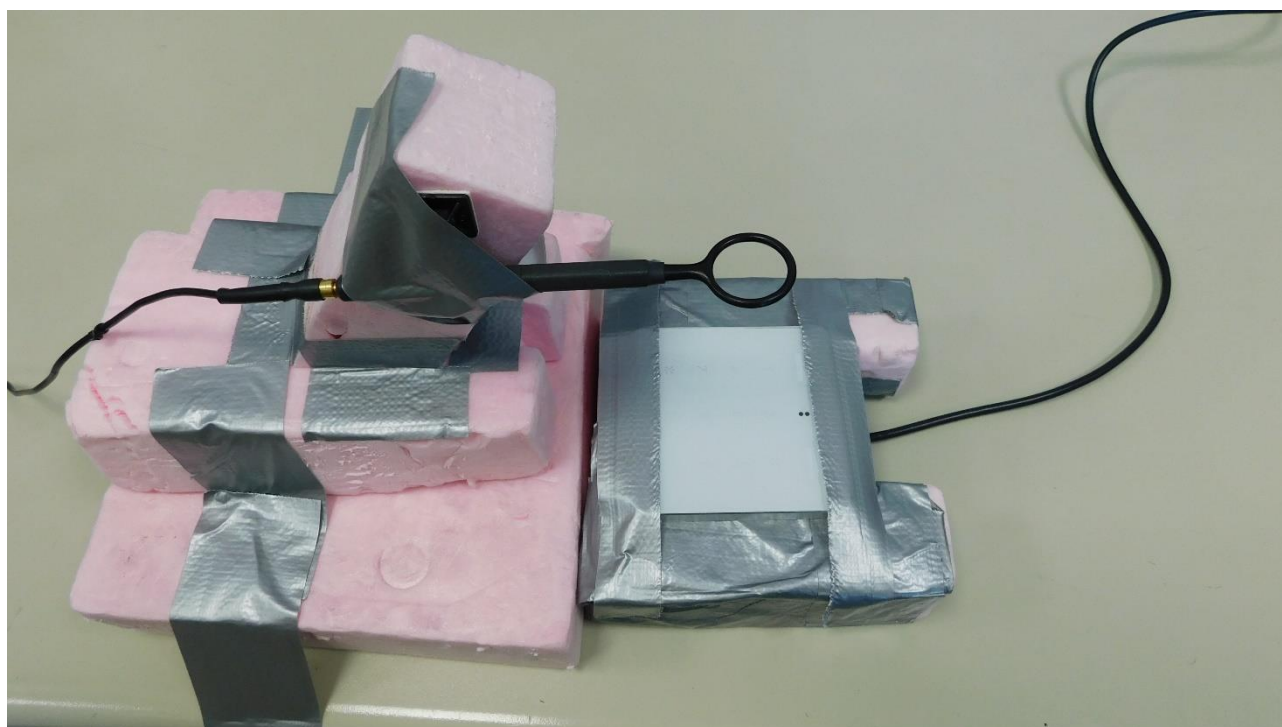
Picture 6: SAC, radiated emission test 1 GHz – 13 GHz (rear view)



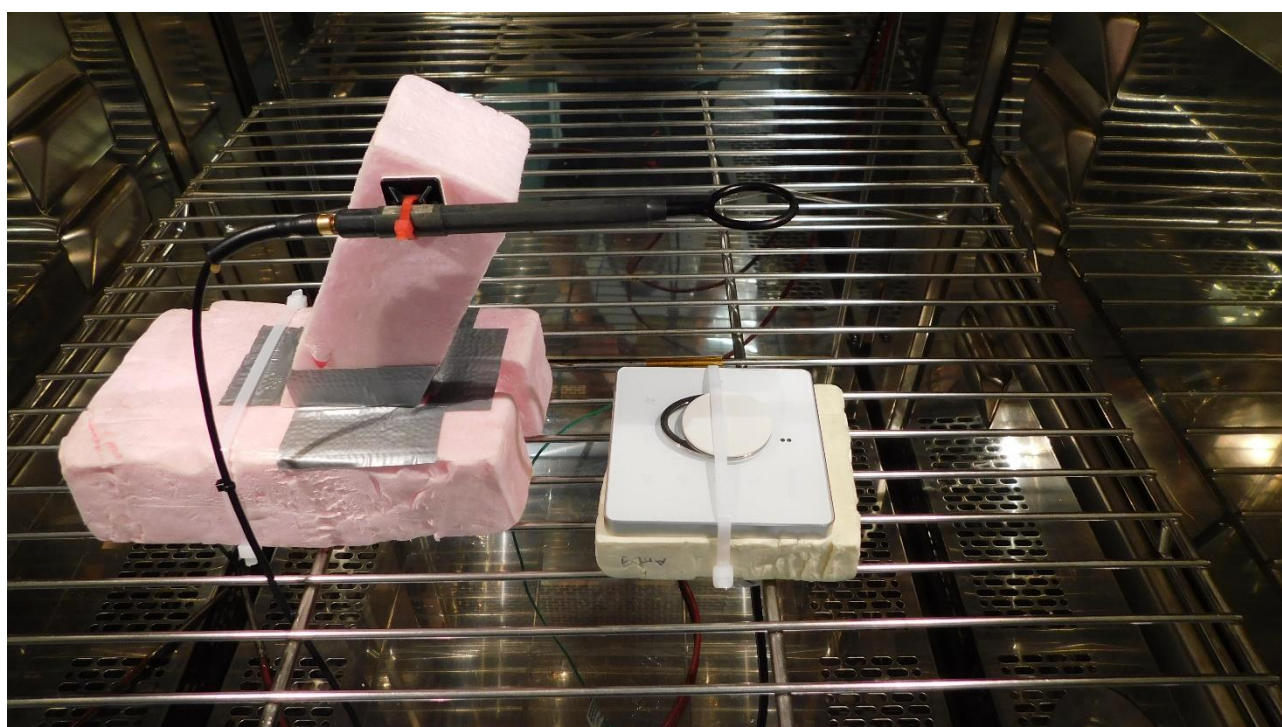
Picture 7: Test setup AC power line conducted emissions (front view)



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

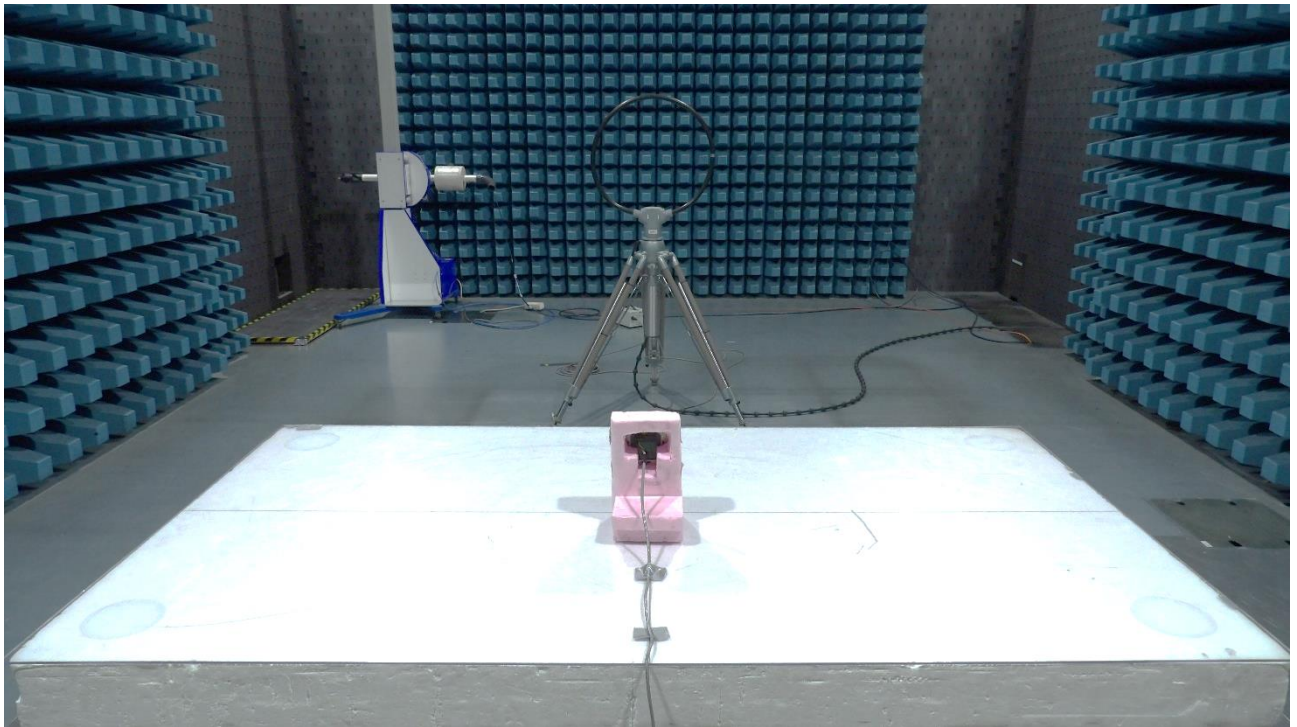


Picture 9: Conducted measurements

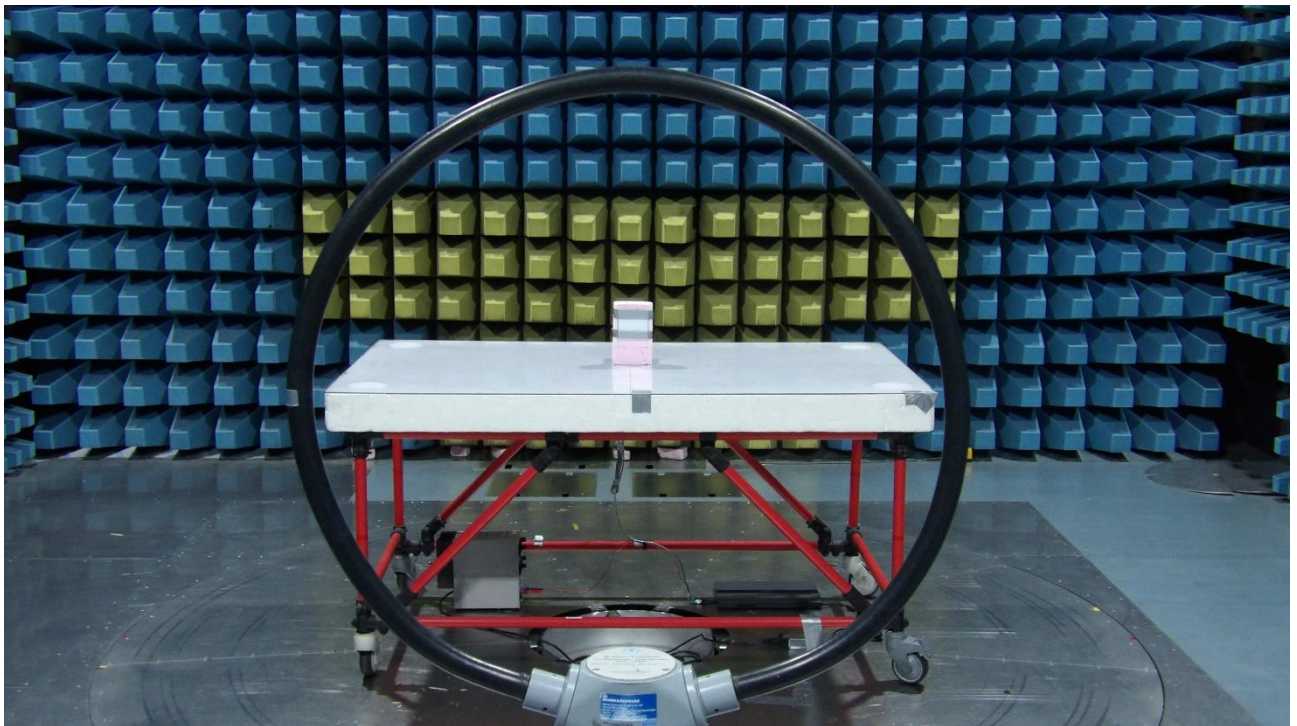


Picture 10: Test setup for climate chamber

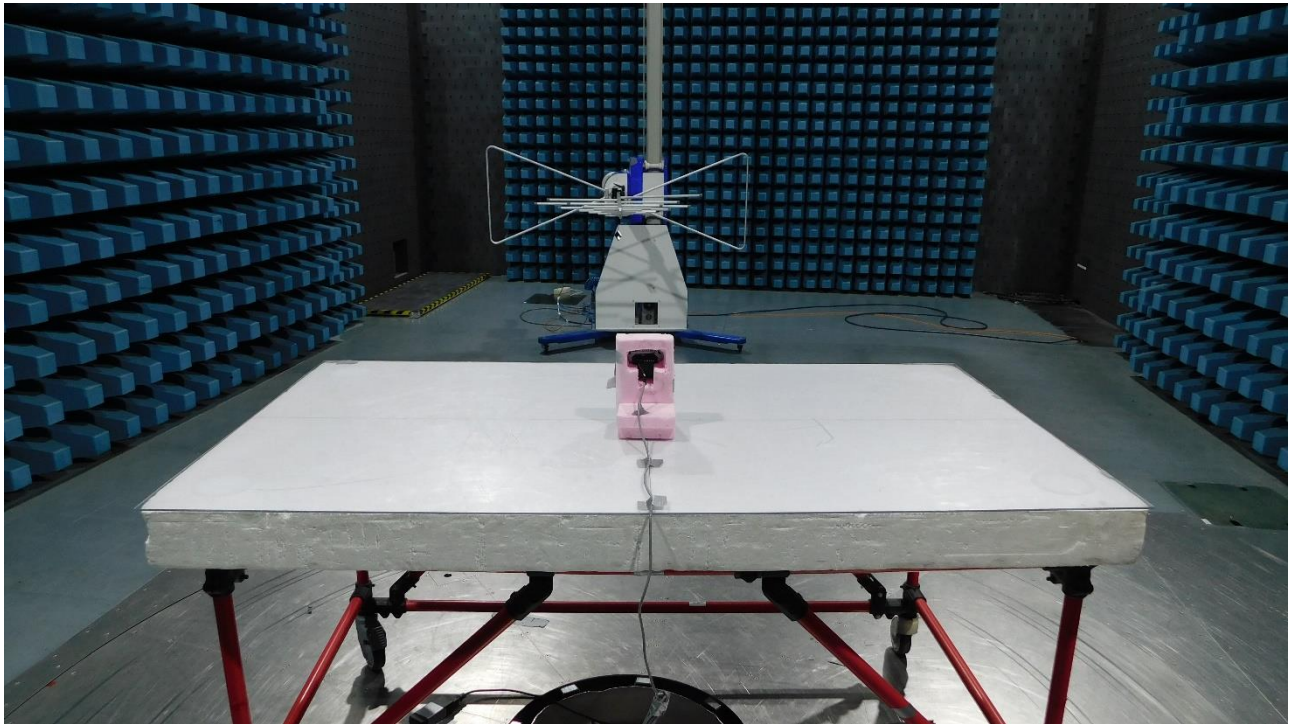
RS-485 mode



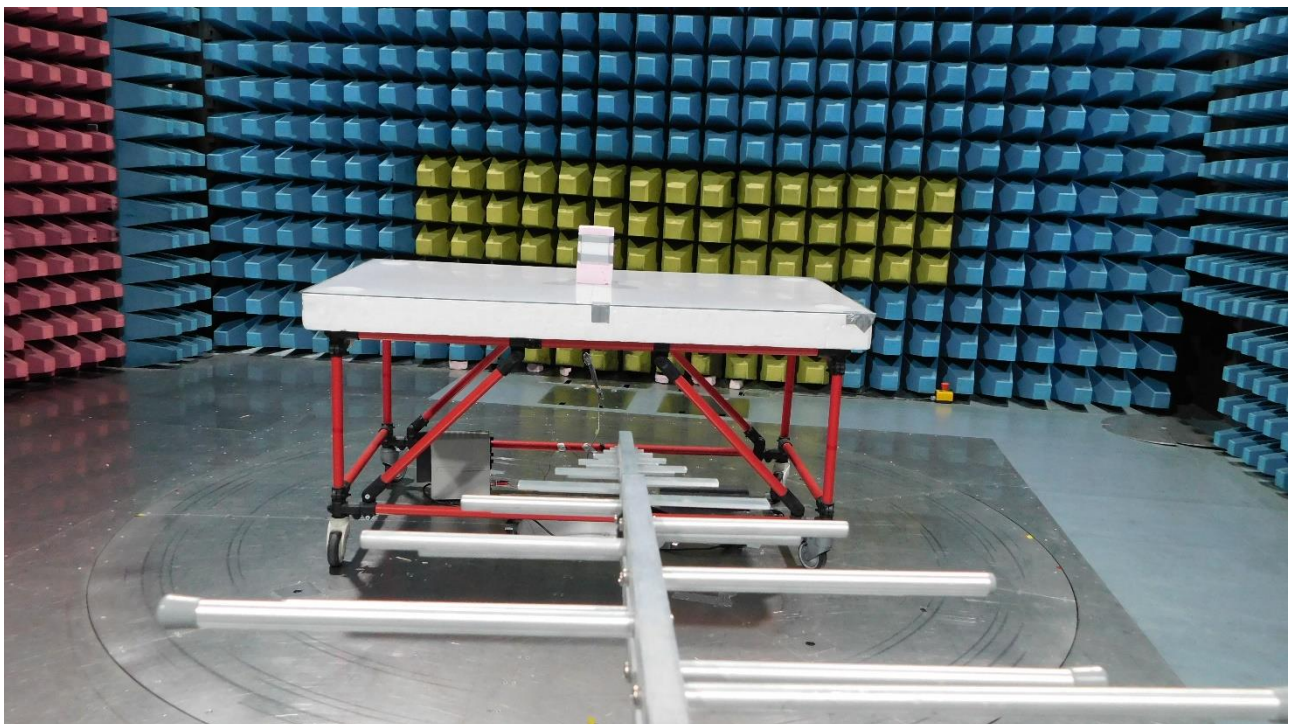
Picture 11: SAC, test setup radiated emission test 9 kHz - 30 MHz (front view)



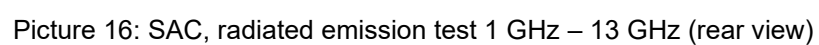
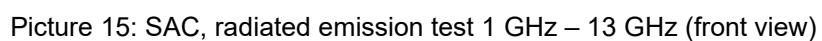
Picture 12: SAC, test setup radiated emission test 9 kHz - 30 MHz (rear view)



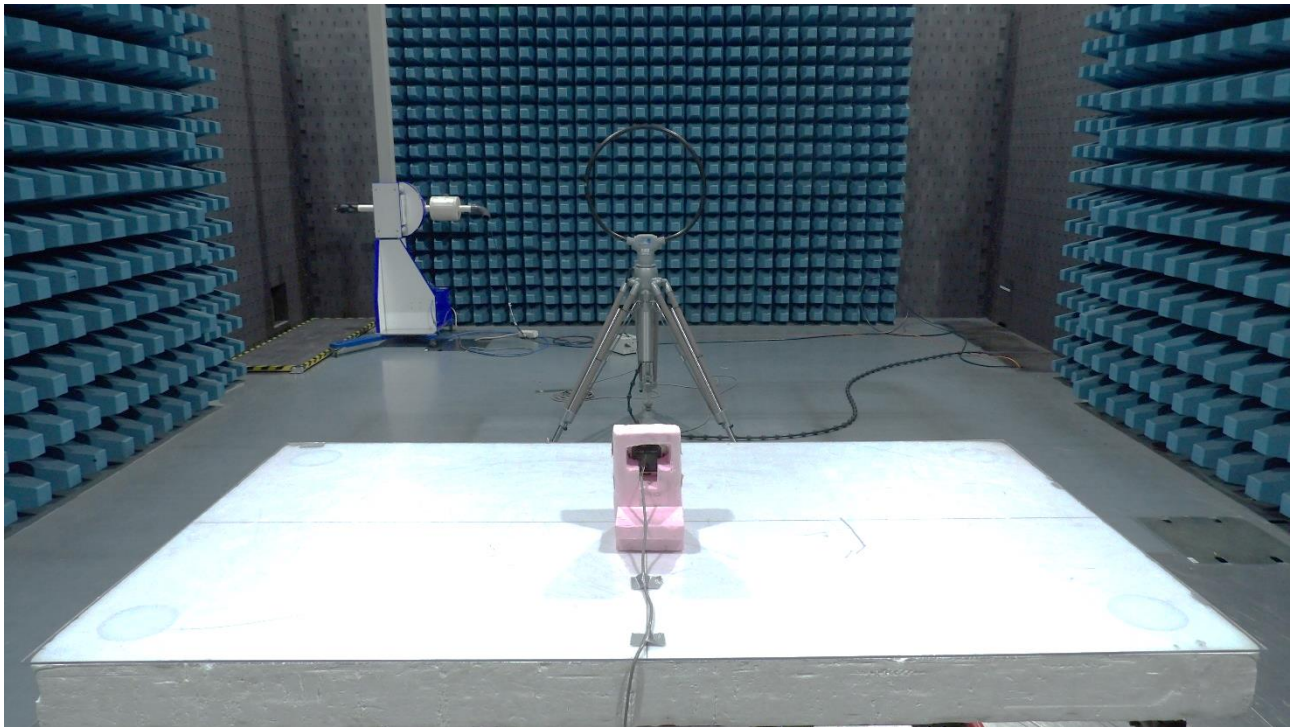
Picture 13: SAC, radiated emission test 30 MHz - 1 GHz (front view)



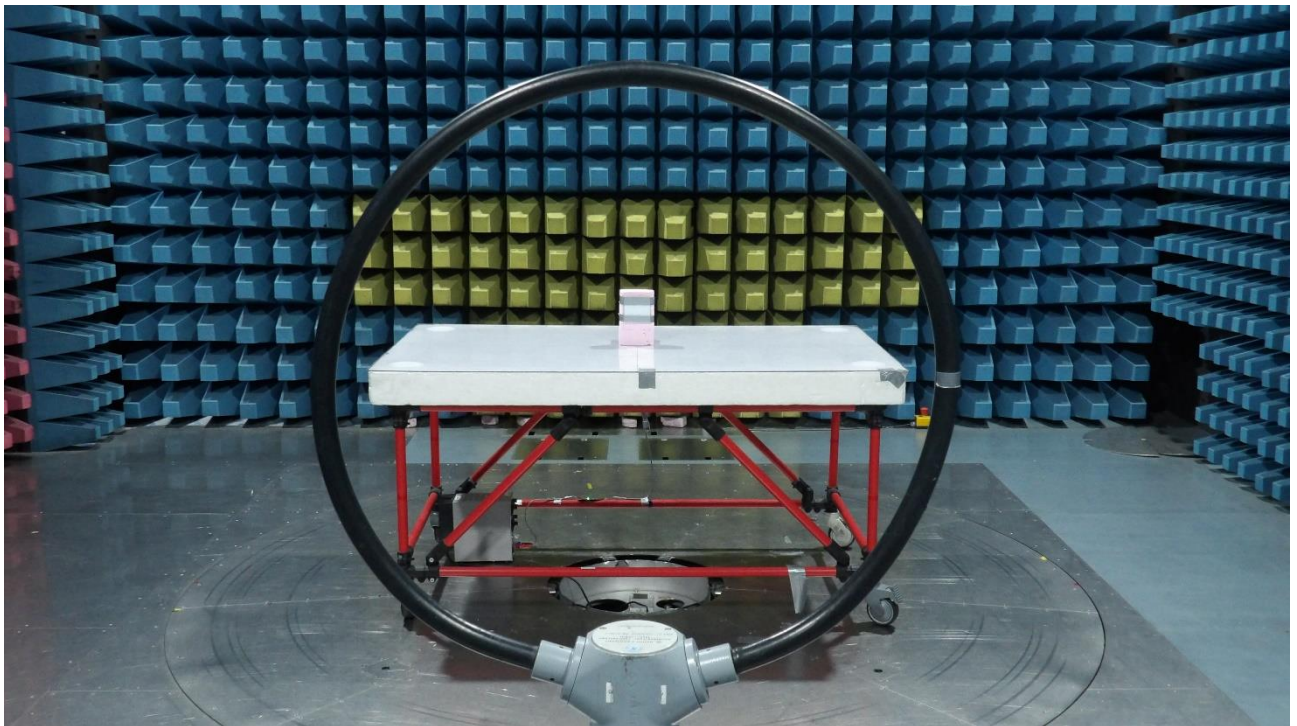
Picture 14: SAC, radiated emission test 30 MHz - 1 GHz (rear view)



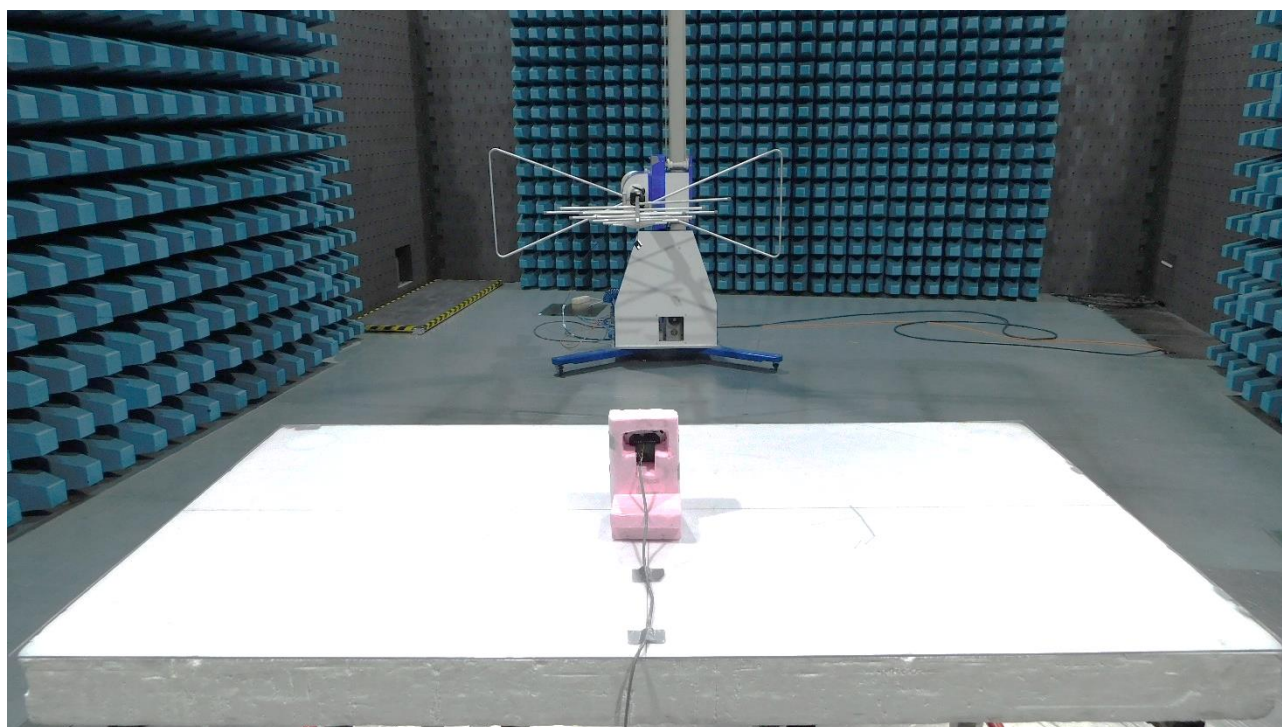
Wiegand mode



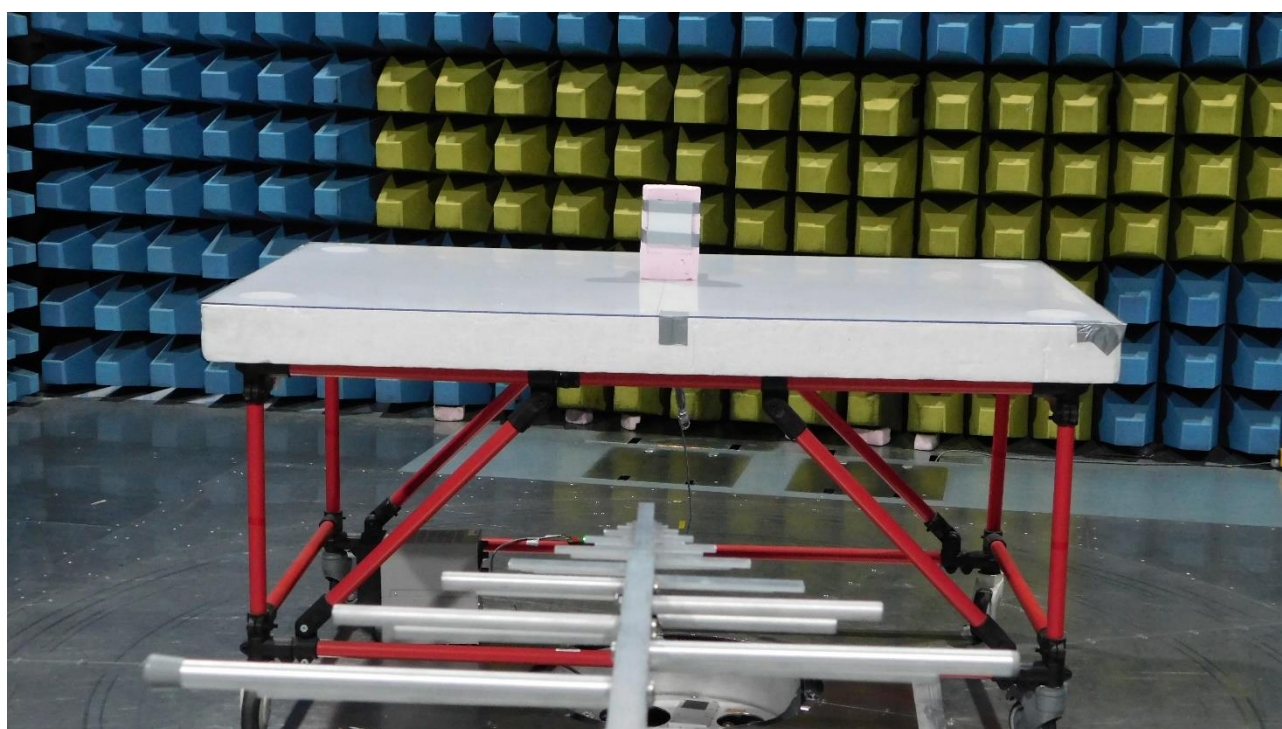
Picture 17: SAC, test setup radiated emission test 9 kHz - 30 MHz (front view)



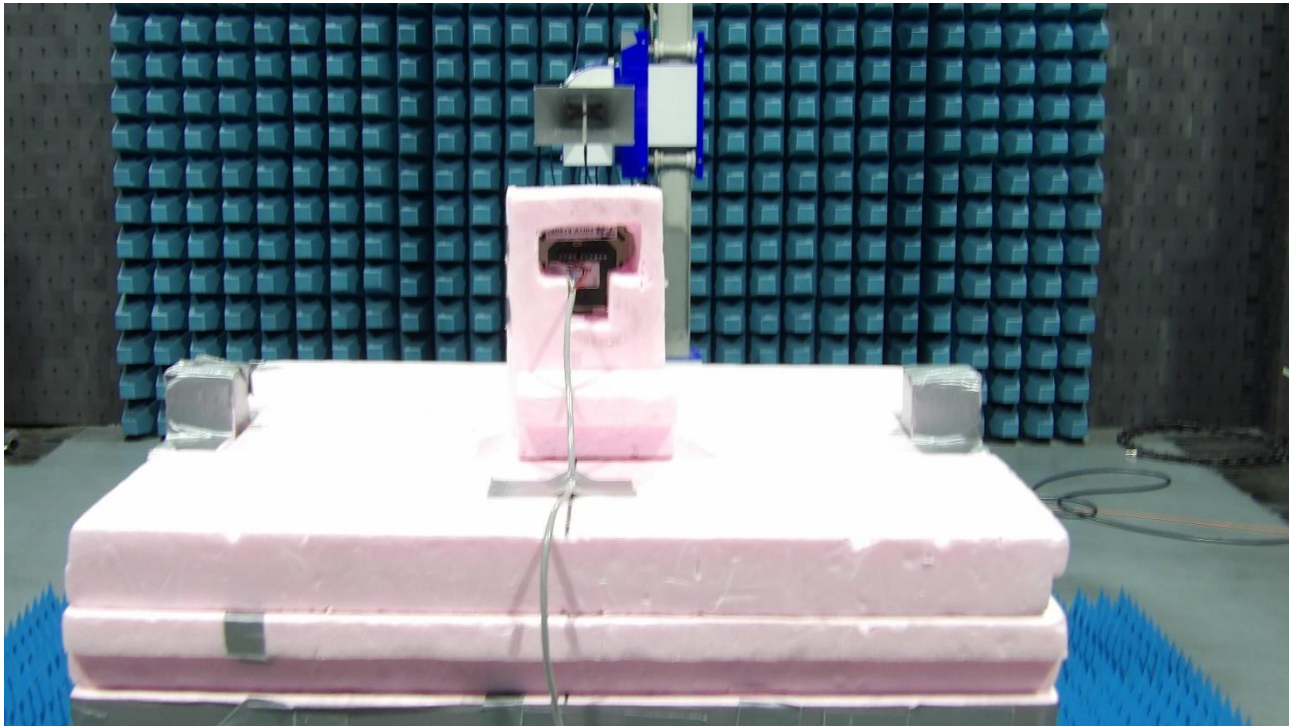
Picture 18: SAC, test setup radiated emission test 9 kHz - 30 MHz (rear view)



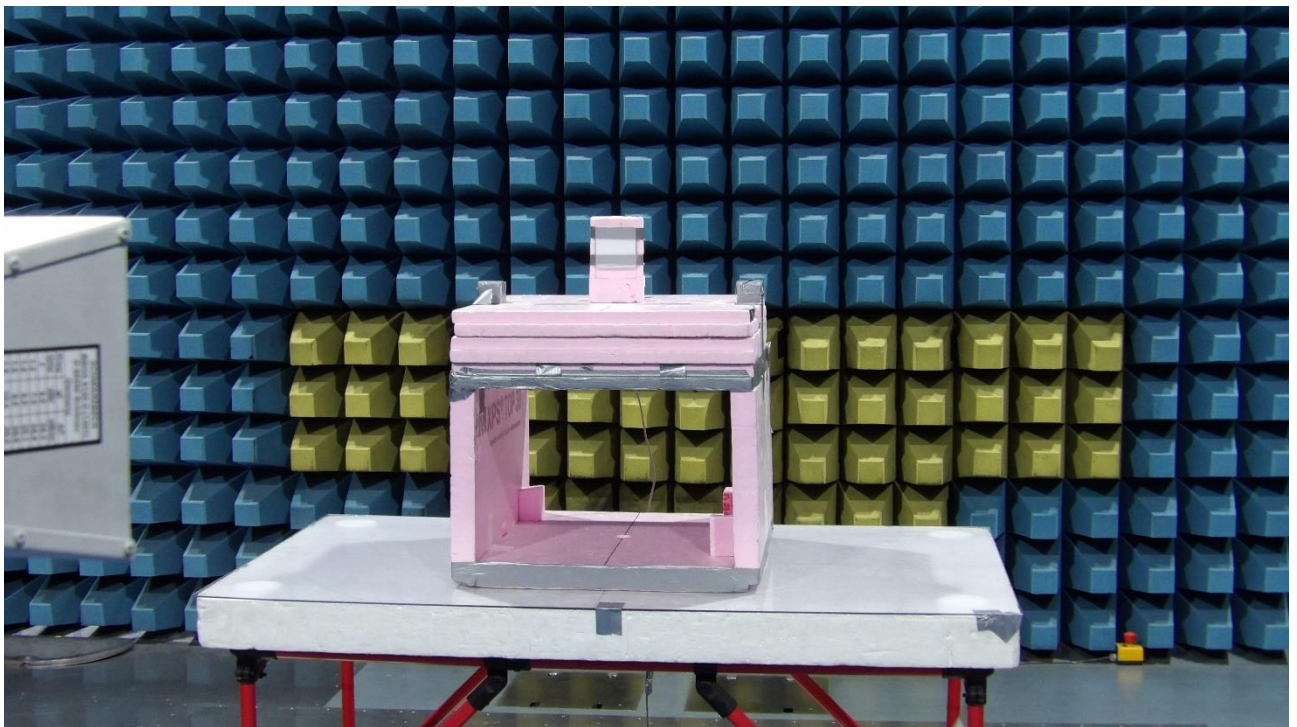
Picture 19: SAC, radiated emission test 30 MHz - 1 GHz (front view)



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



Picture 21: SAC, radiated emission test 1 GHz – 13 GHz (front view)



Picture 22: SAC, radiated emission test 1 GHz – 13 GHz (rear view)

Note(s):

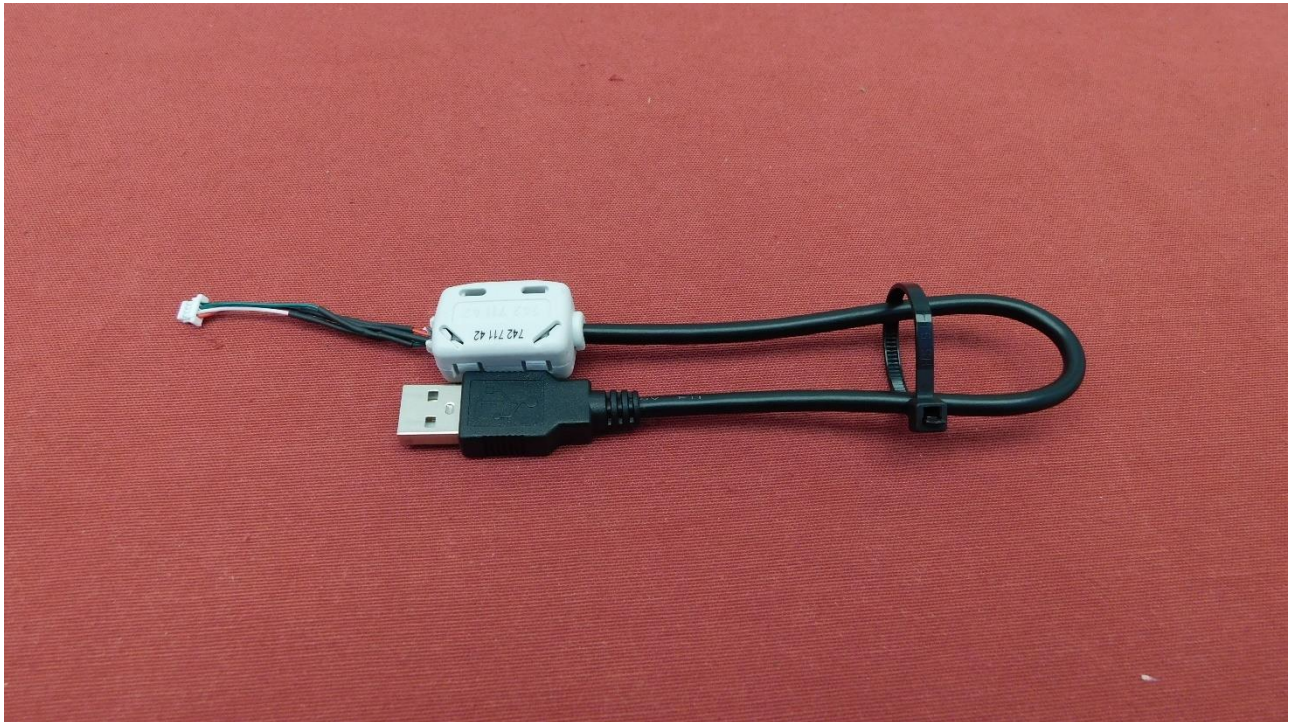
1. Position Y is the normal position of use.
2. Position X was only used for the radiated tests below 30 MHz, because the measurement antenna can only be polarized vertical.



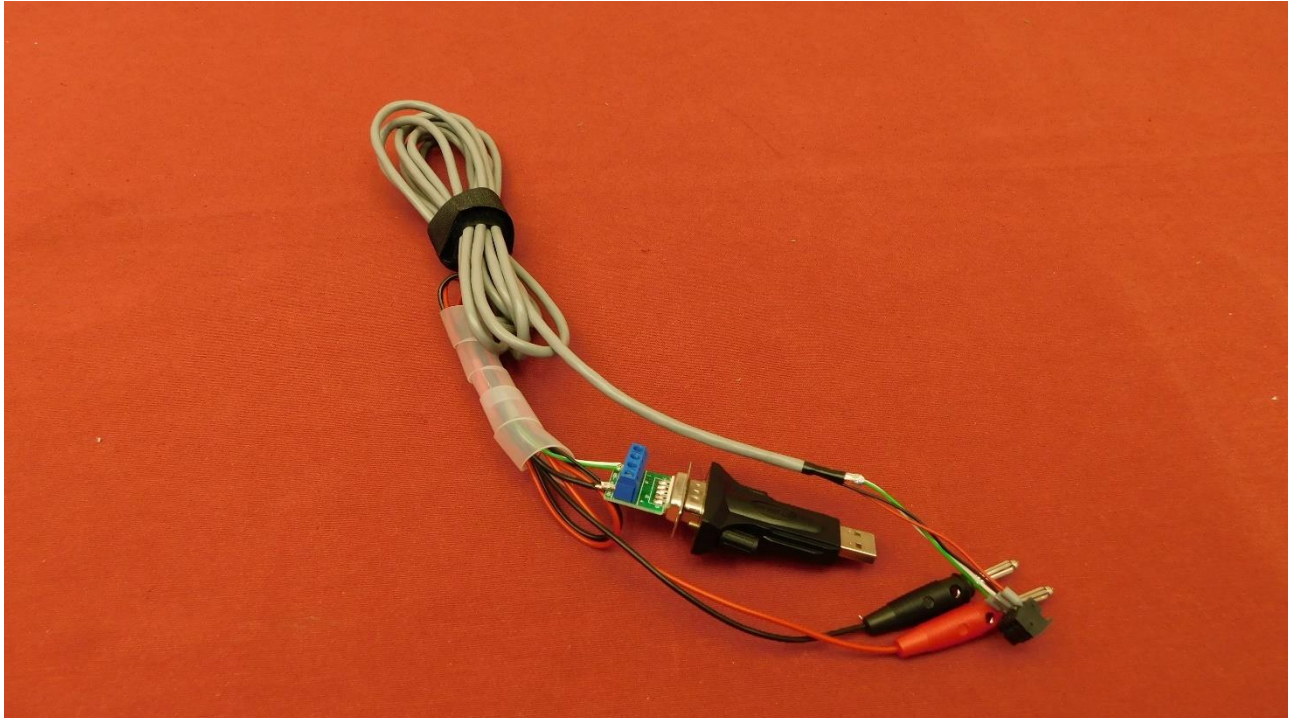
Picture 23: EUT position X



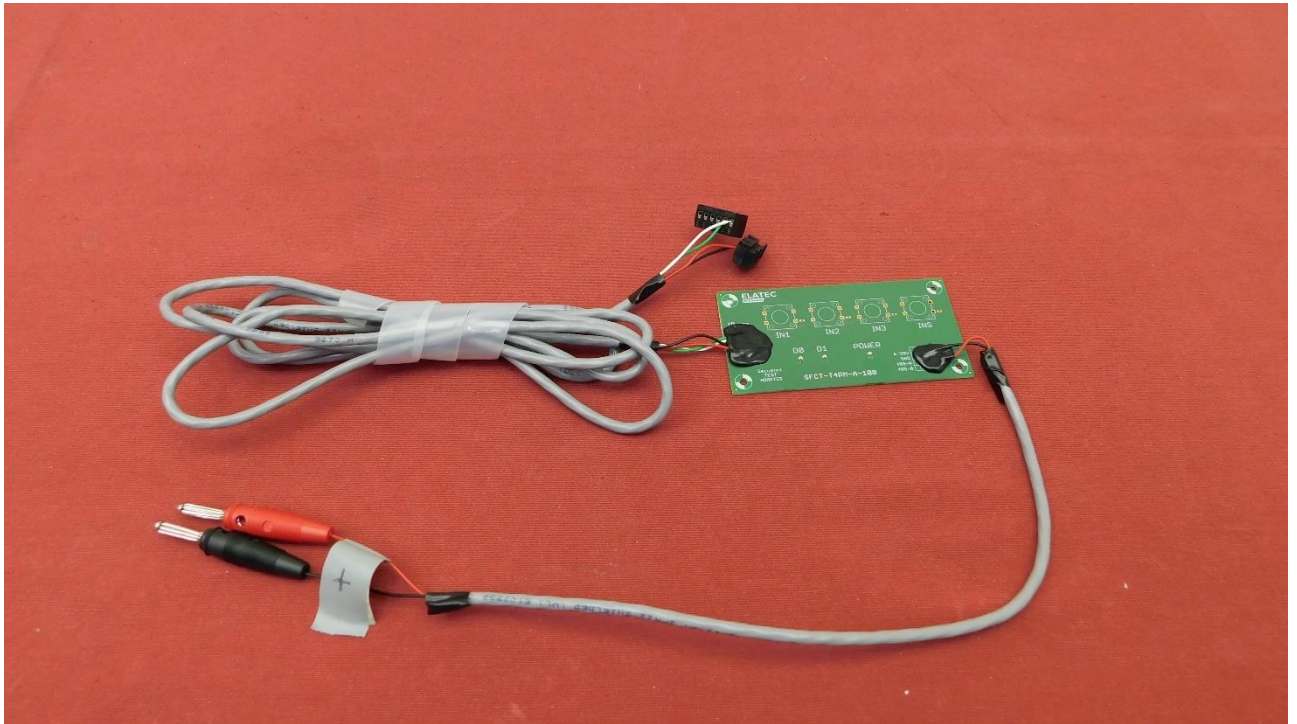
Picture 24: EUT position Y



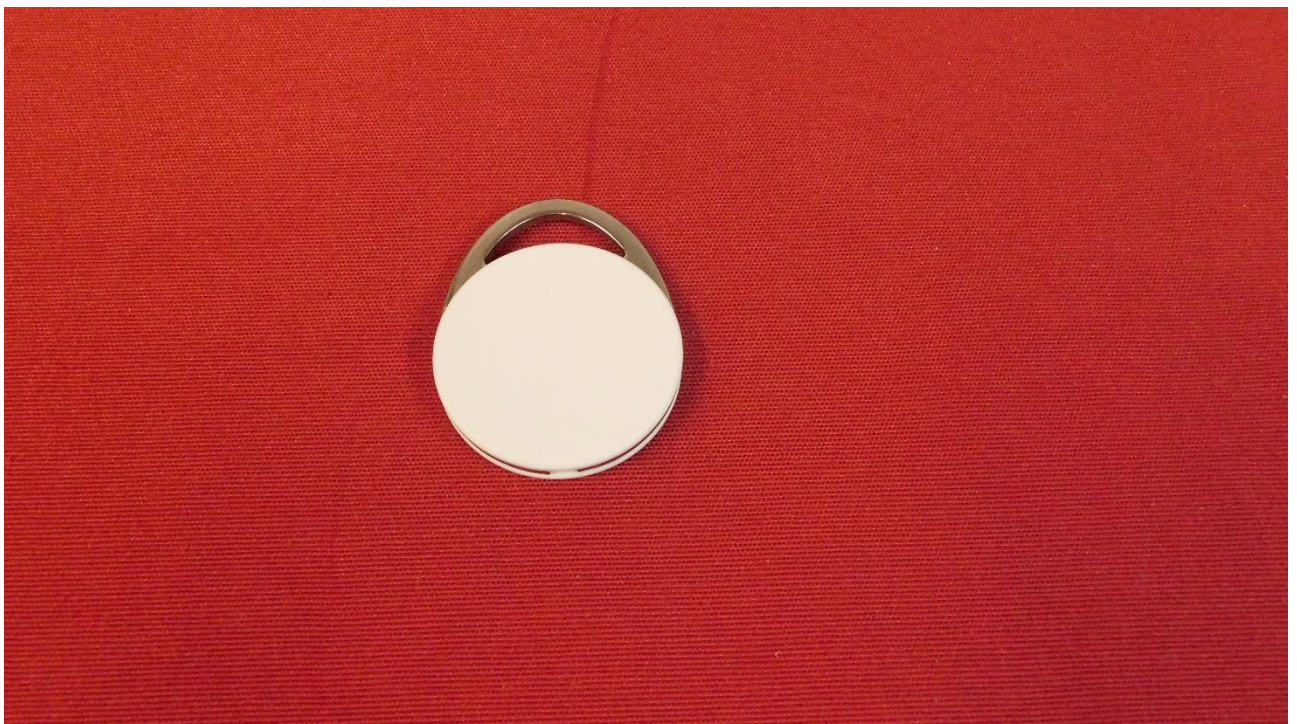
Picture 25: USB cable



Picture 26: RS-485 adapter



Picture 27: Wiegand adapter



Picture 28: RFID tag