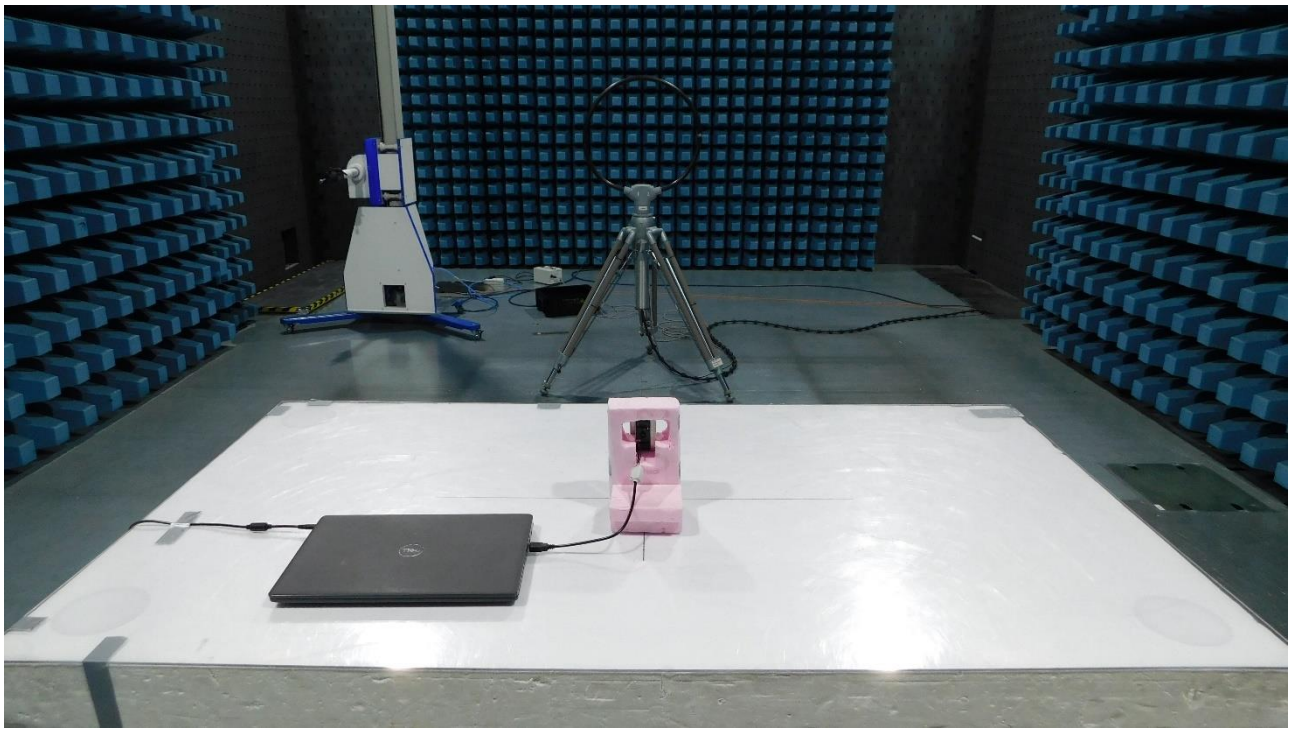
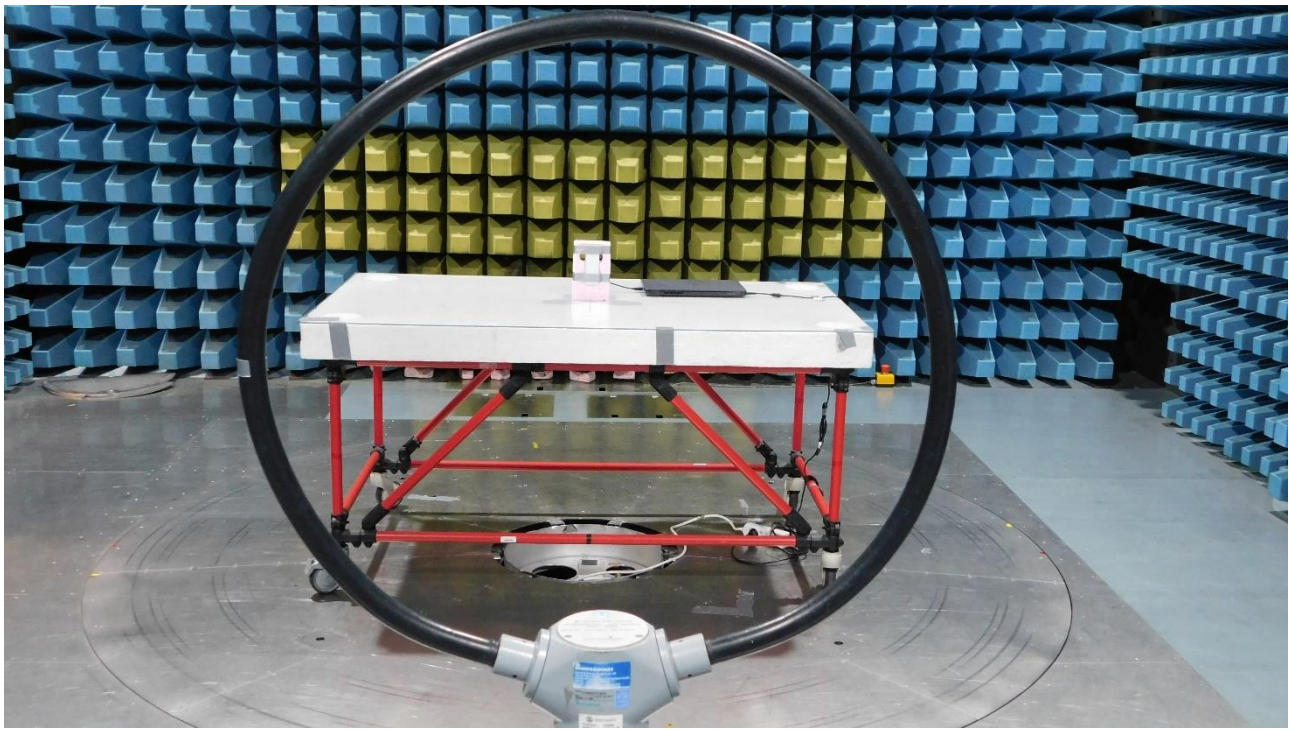
# 1 Annex A – Test setup

## 1.1 List of Pictures

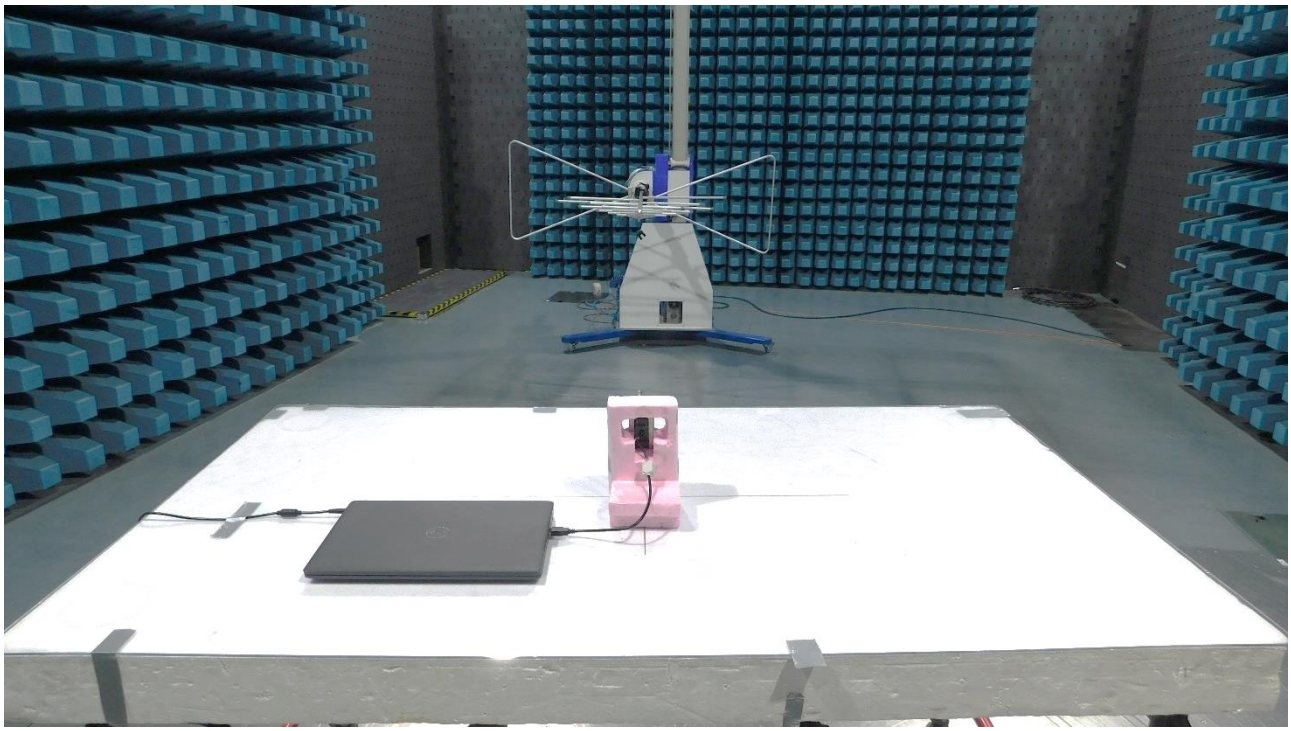
**USB mode**



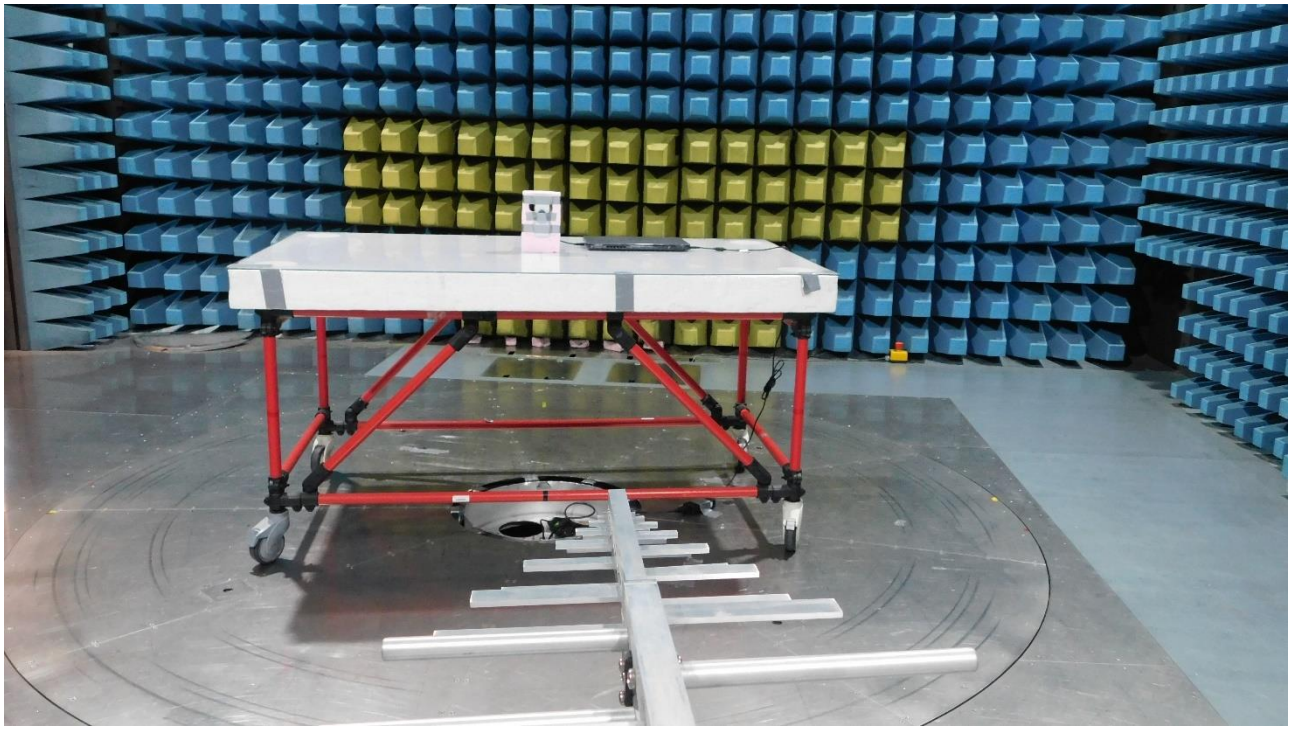
Picture 1: SAC, test setup radiated emission test 9 kHz - 30 MHz (front view)



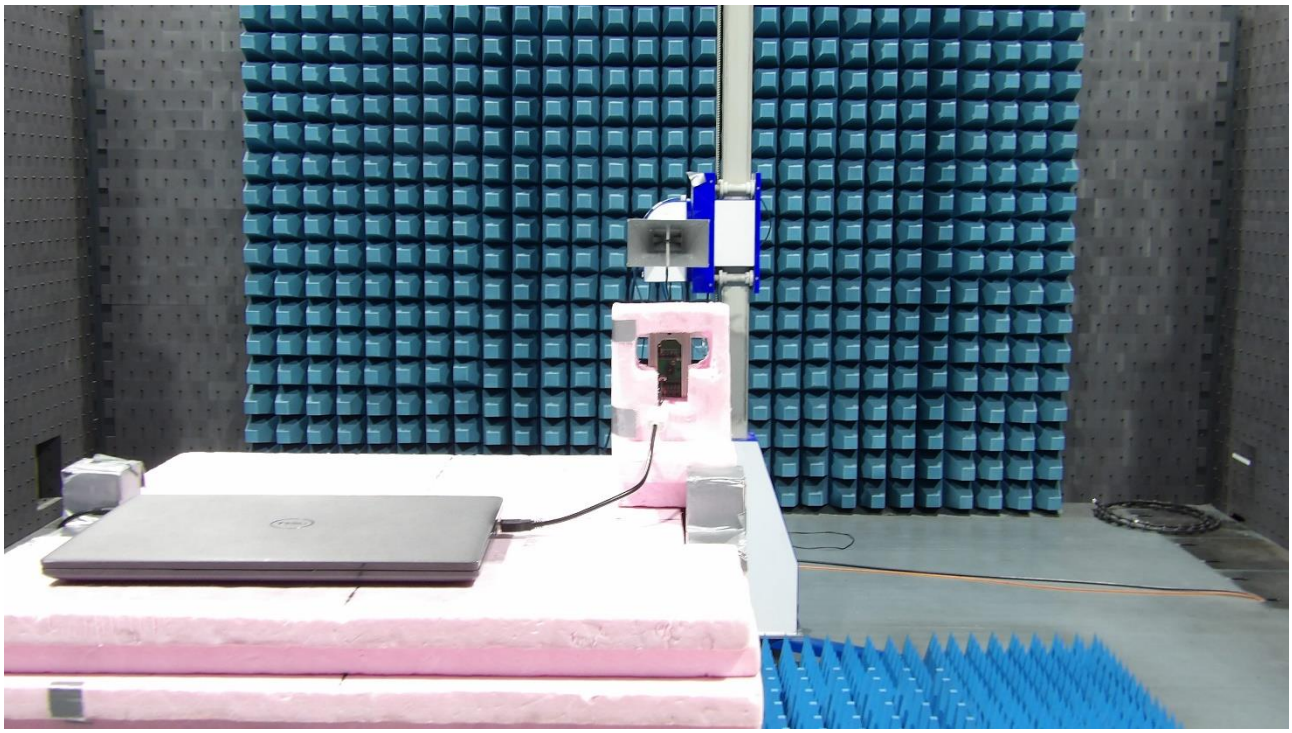
Picture 2: SAC, test setup radiated emission test 9 kHz - 30 MHz (rear view)



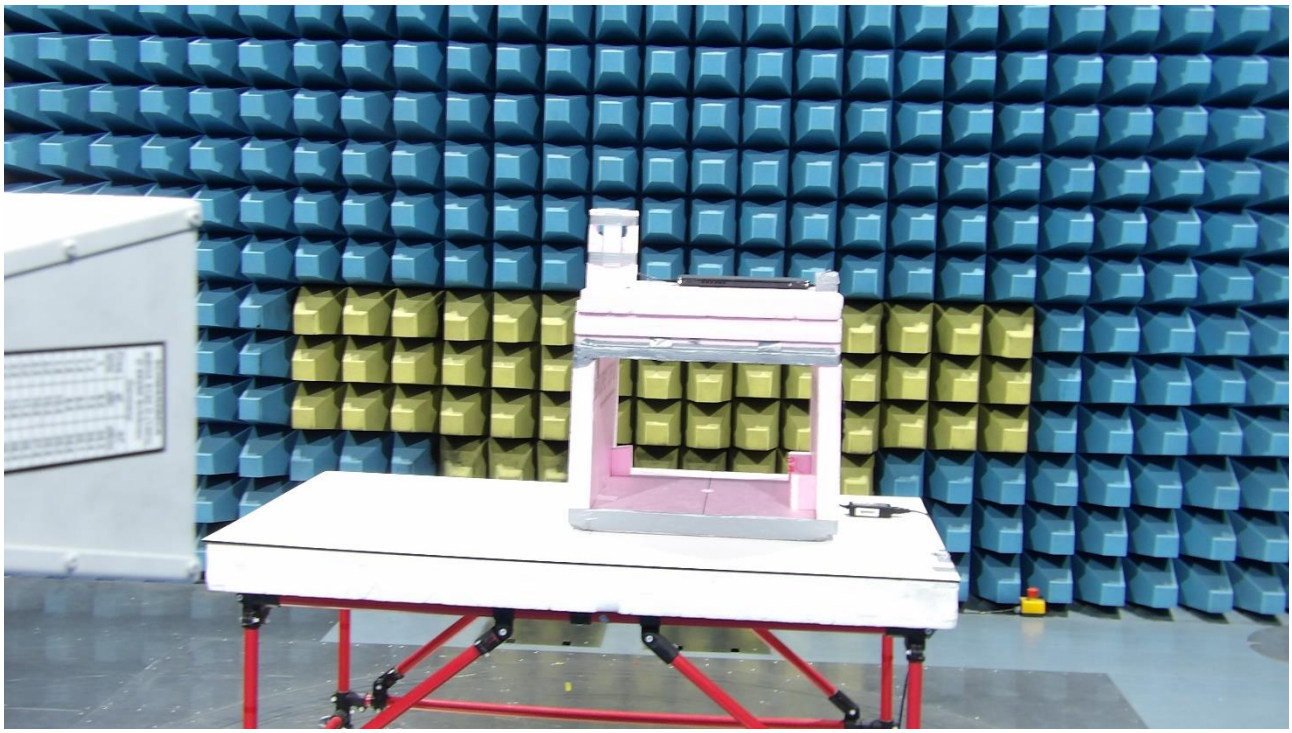
Picture 3: SAC, radiated emission test 30 MHz - 1 GHz (front view)



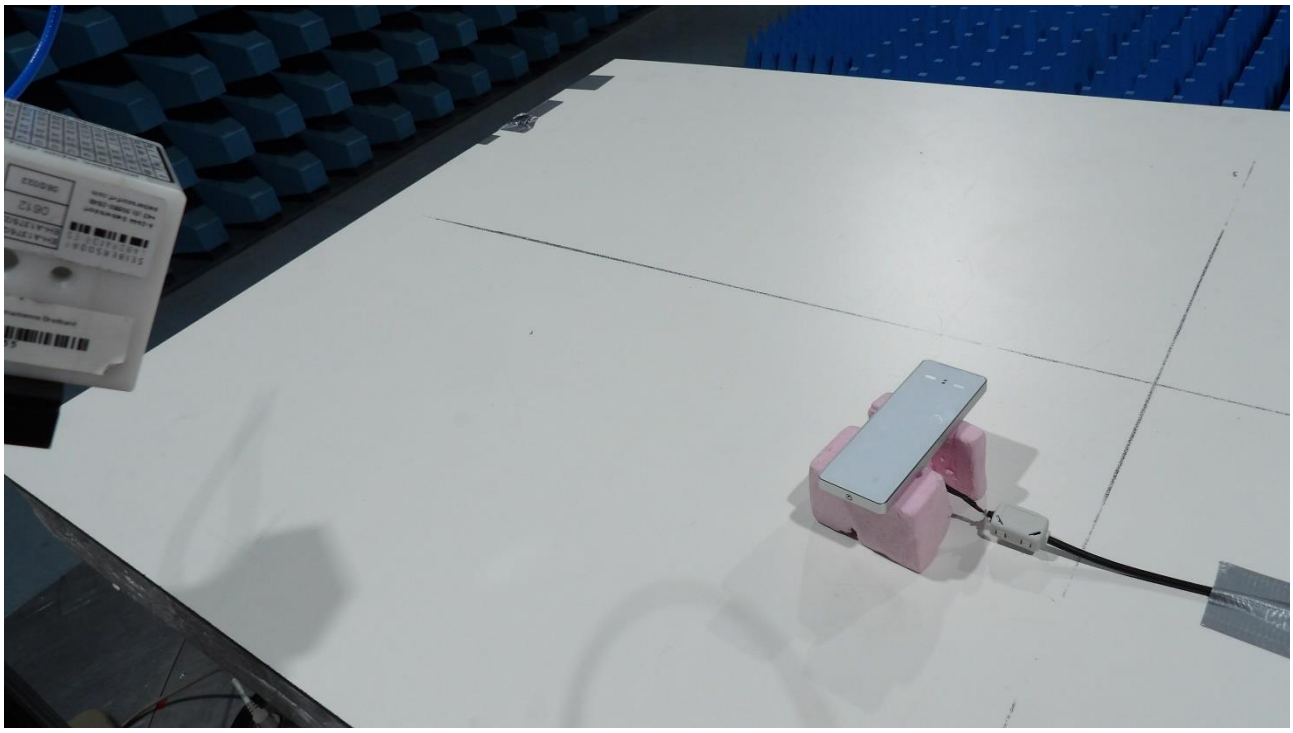
Picture 4: SAC, radiated emission test 30 MHz - 1 GHz (rear view)



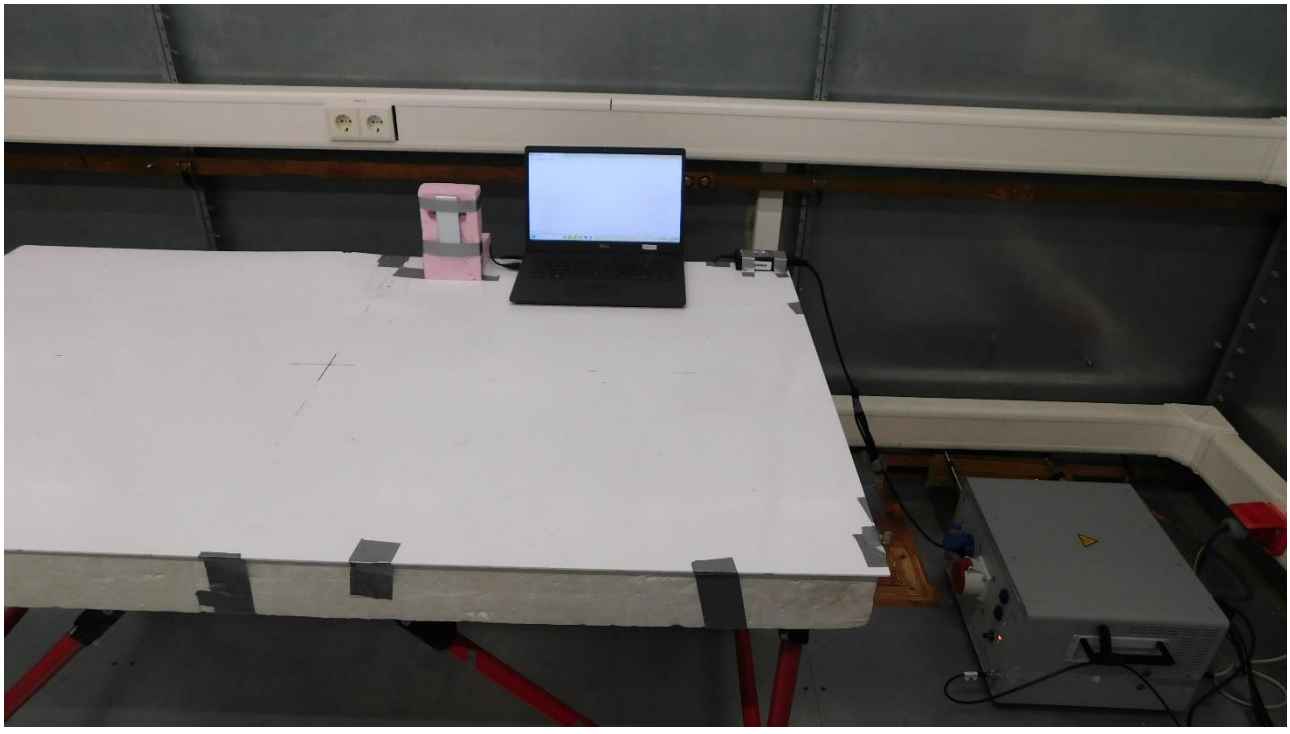
Picture 5: SAC, radiated emission test 1 GHz – 17 GHz (front view)



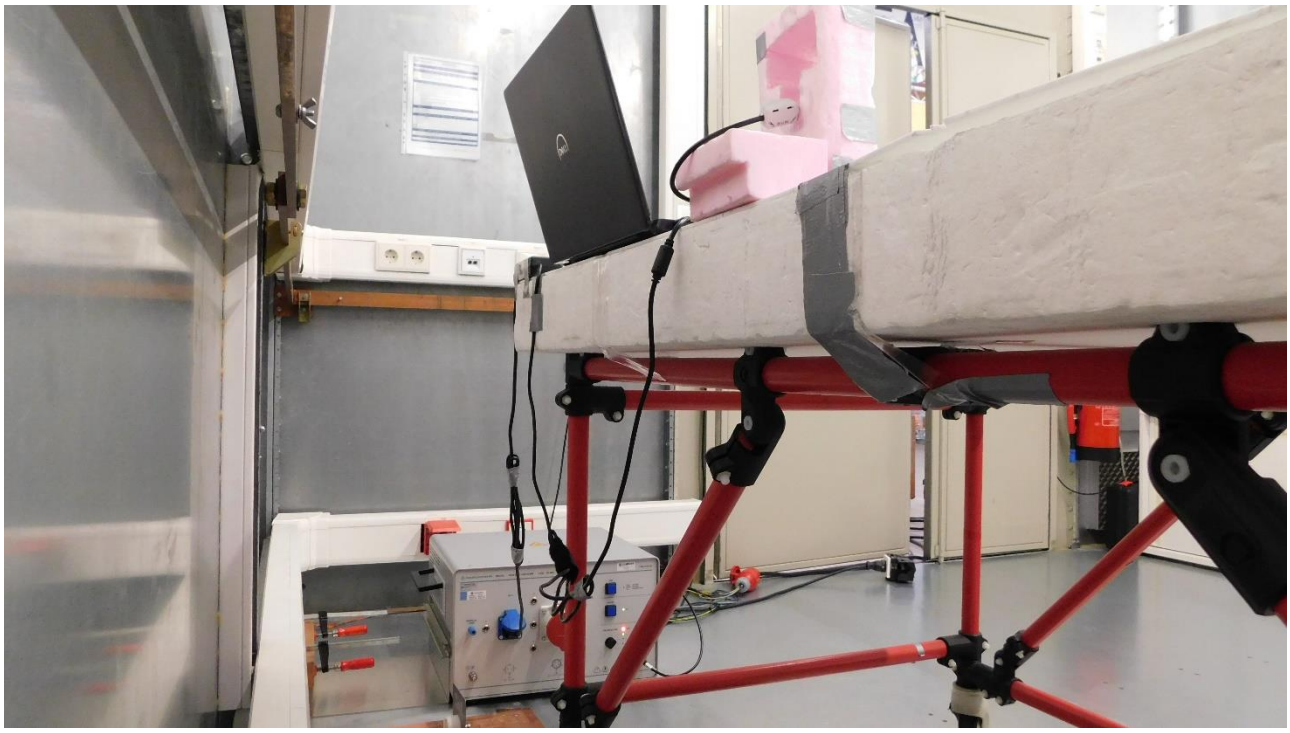
Picture 6: SAC, radiated emission test 1 GHz – 17 GHz (rear view)



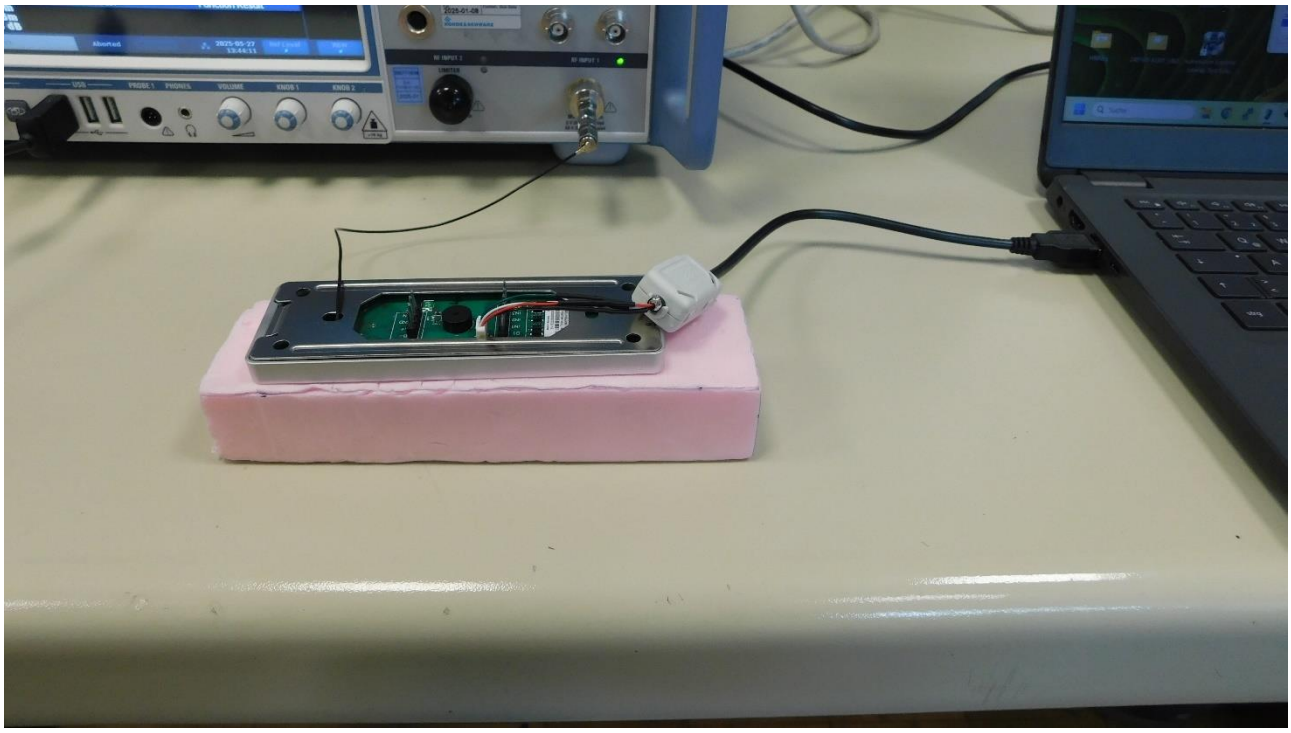
Picture 7: SAC, exploratory radiated emission test 17 GHz – 25 GHz (front view)



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

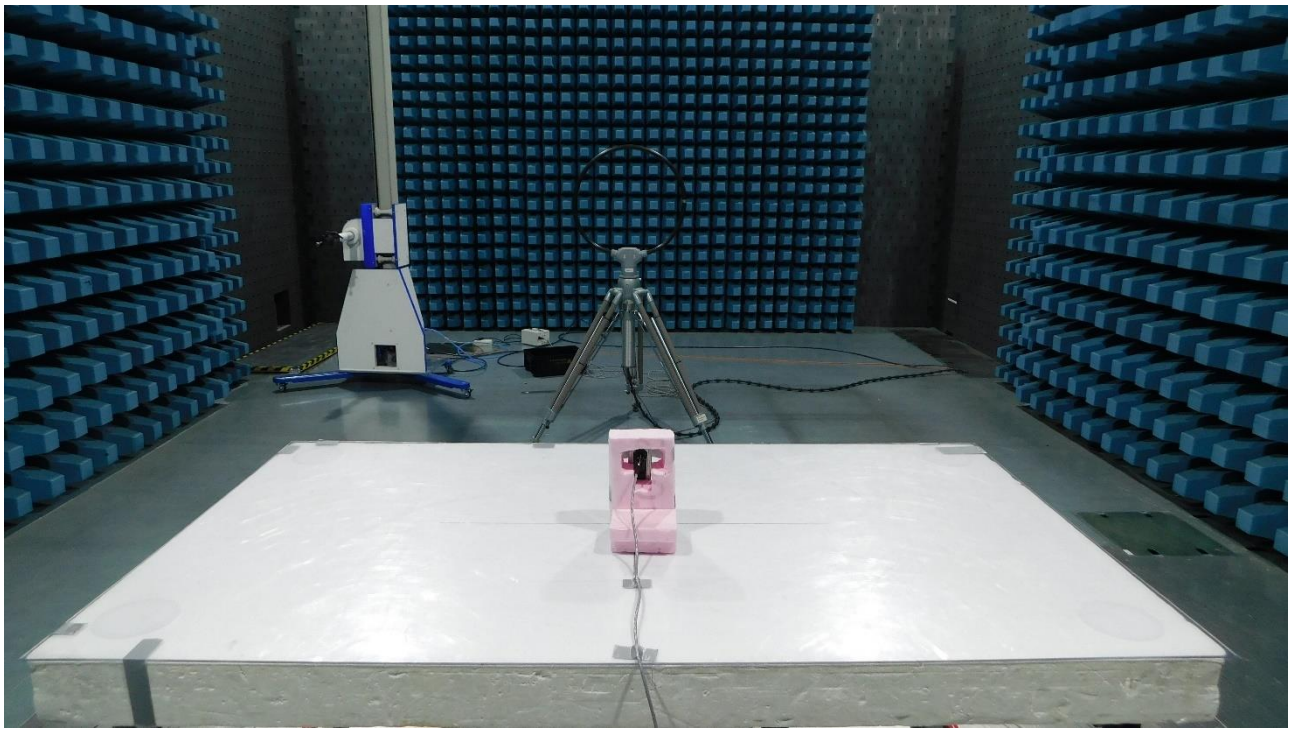


Picture 9: Test setup AC power line conducted emissions (rear view)

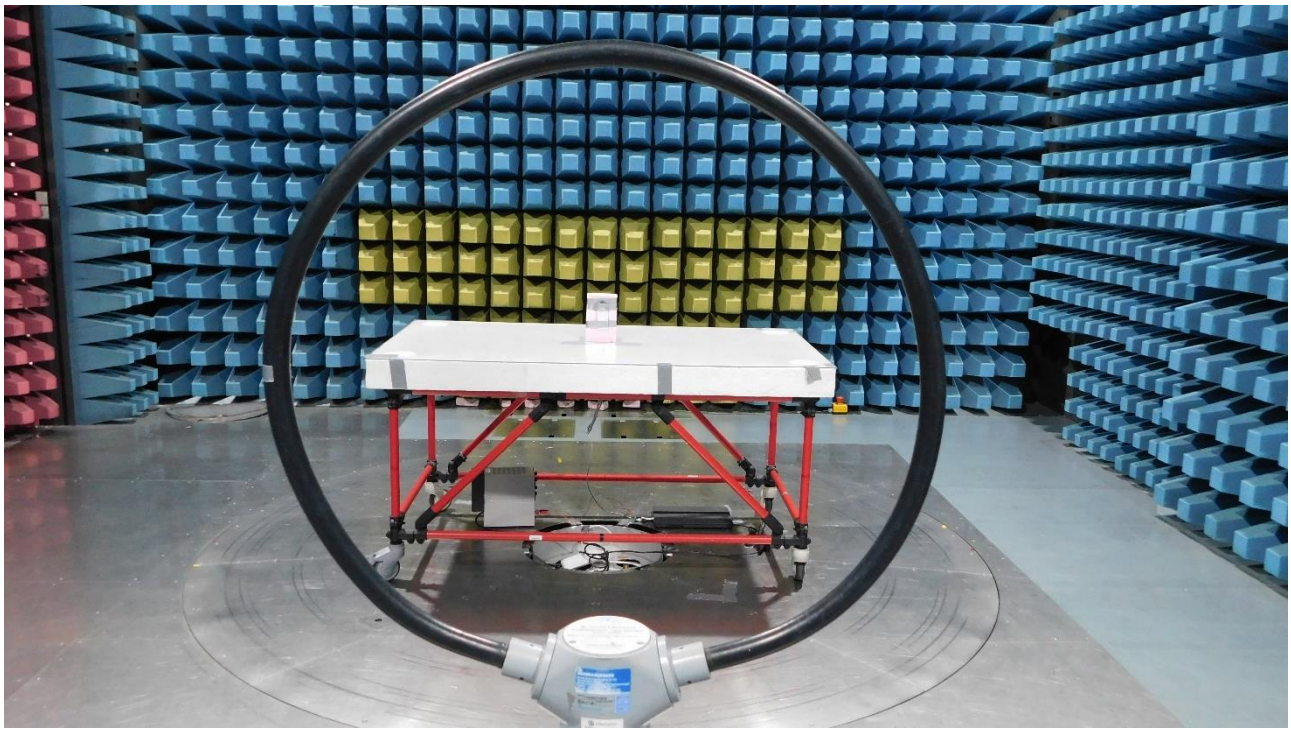


Picture 10: Conducted measurements

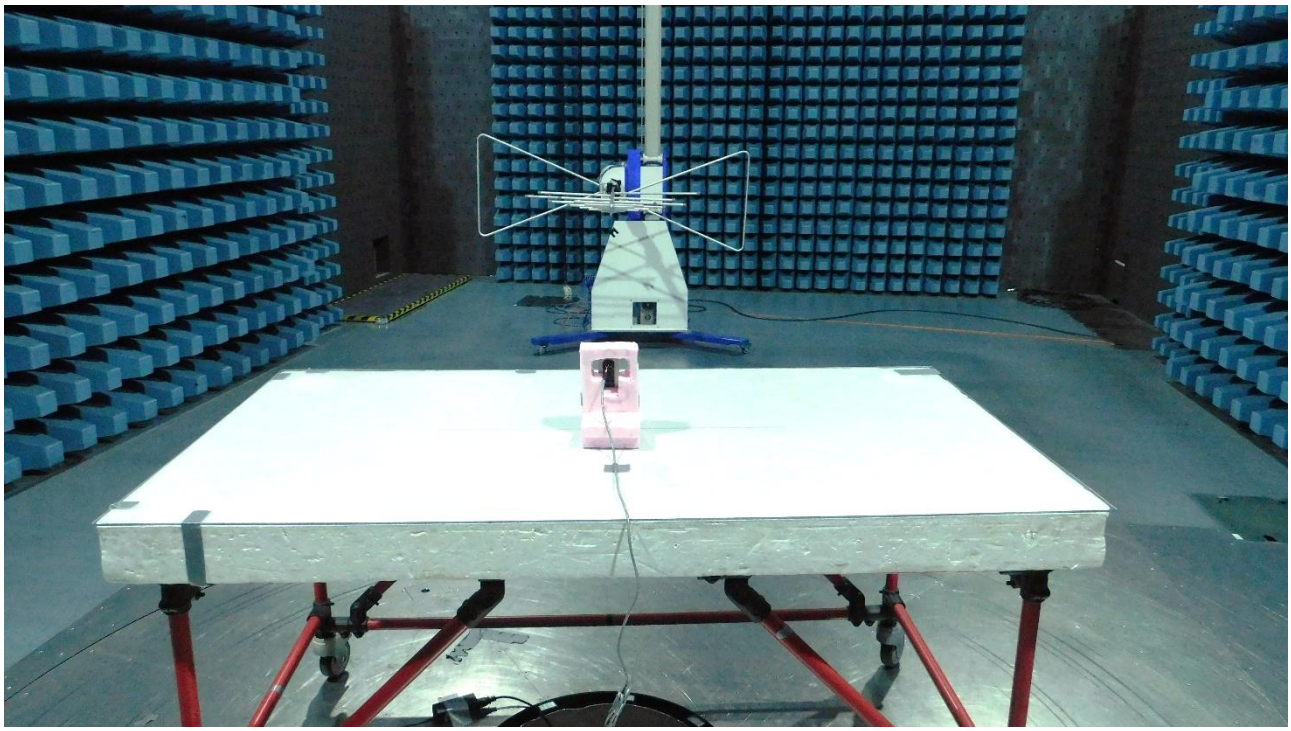
**RS-485 mode**



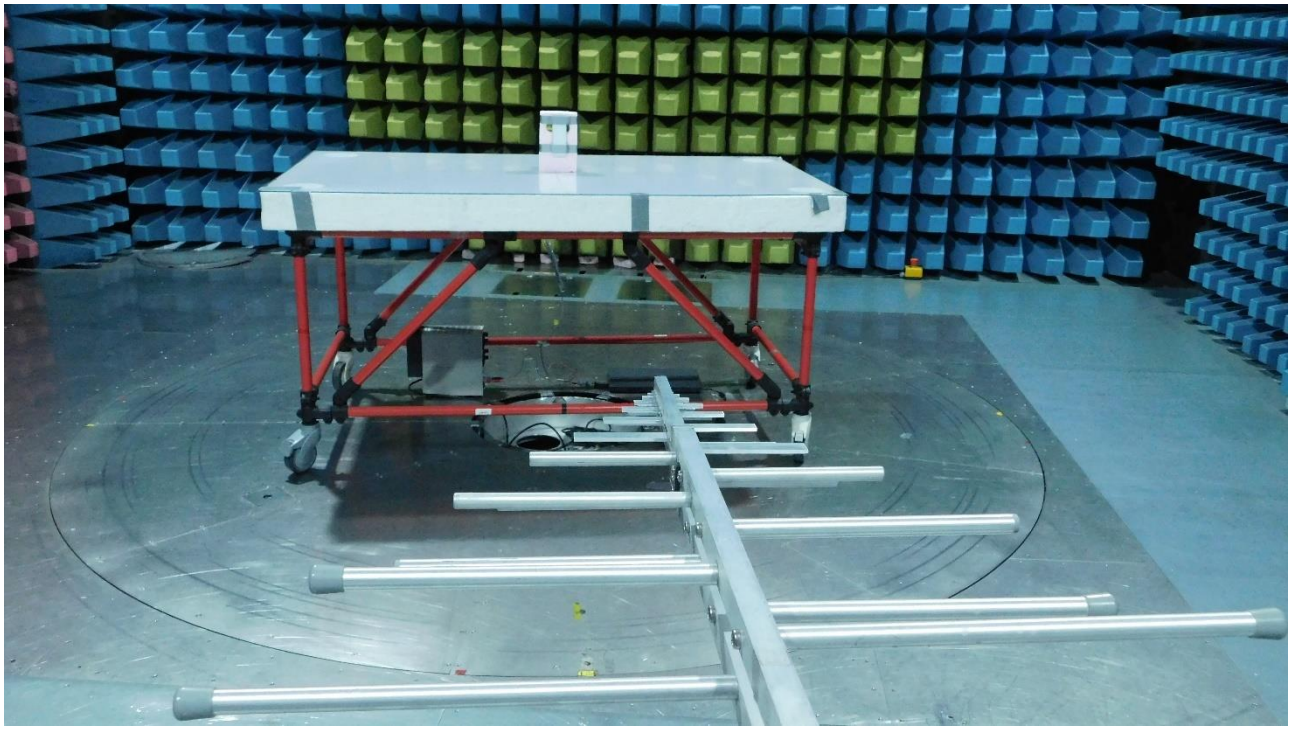
Picture 11: SAC, test setup radiated emission test 9 kHz - 30 MHz (front view)



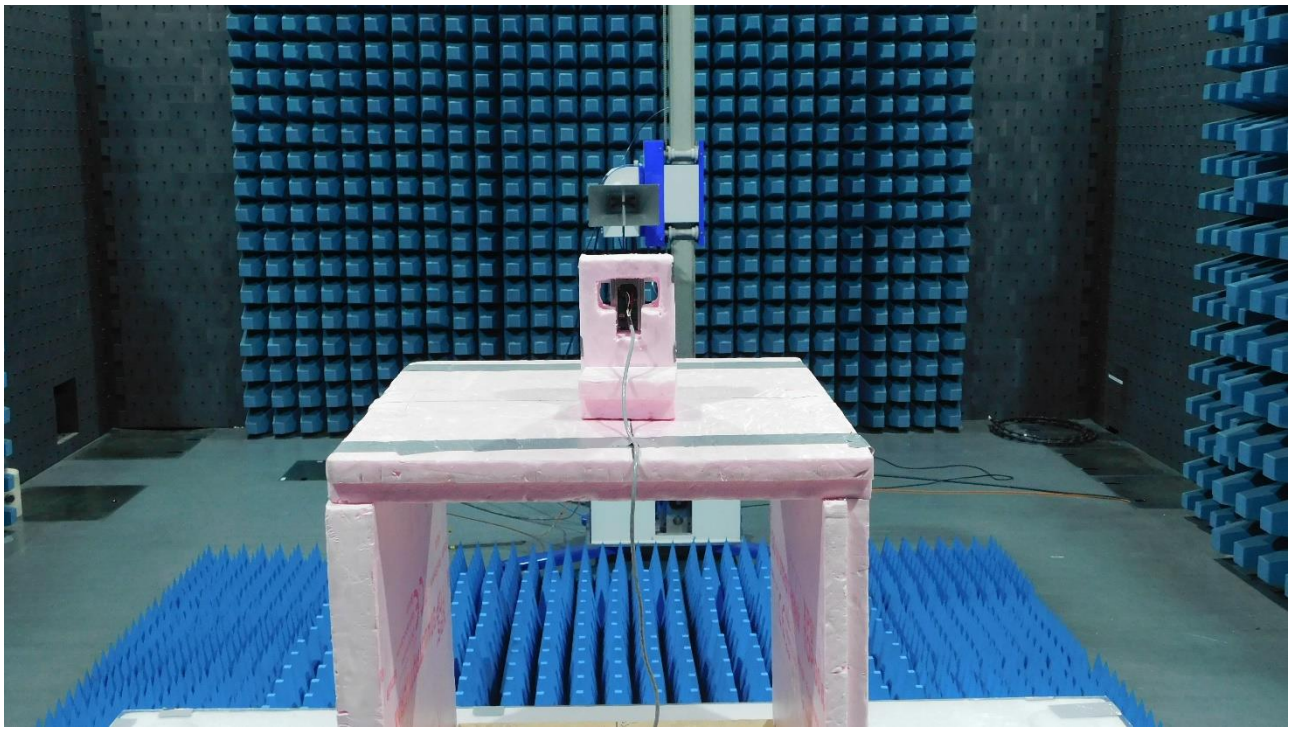
Picture 12: SAC, test setup radiated emission test 9 kHz - 30 MHz (rear view)



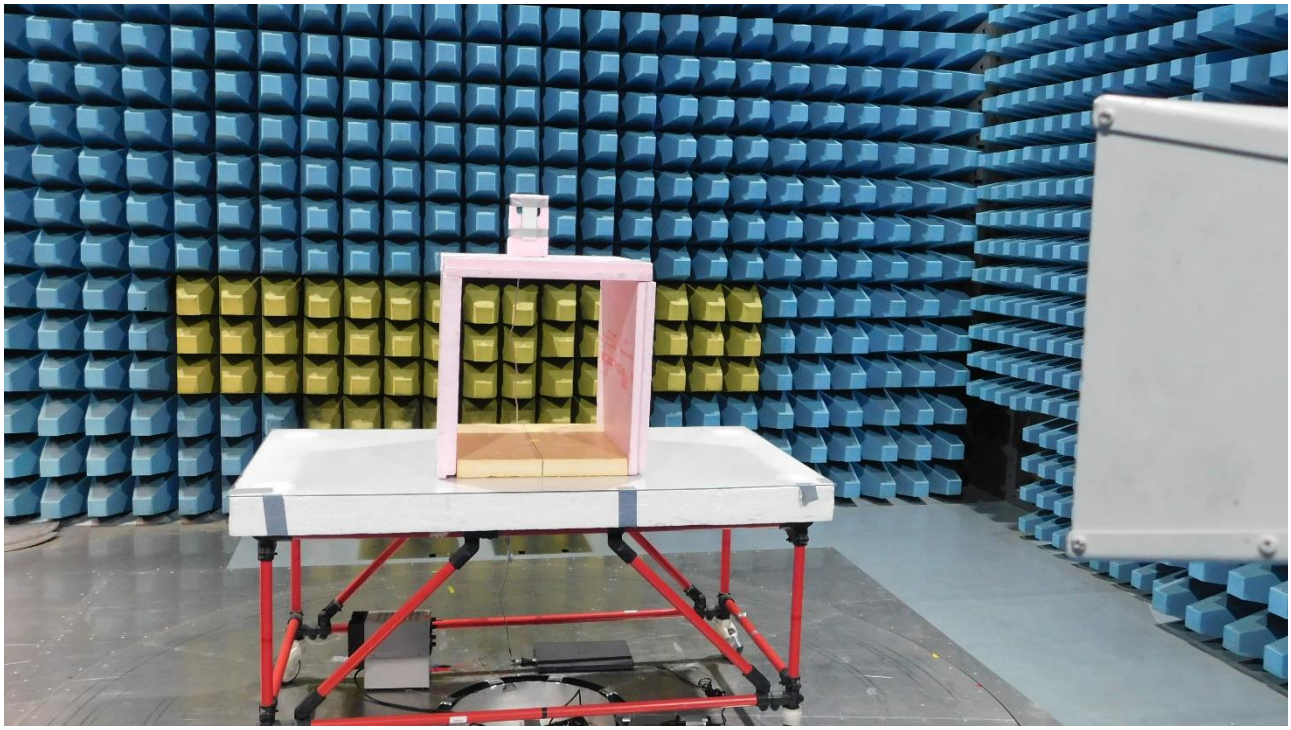
Picture 13: SAC, radiated emission test 30 MHz - 1 GHz (front view)



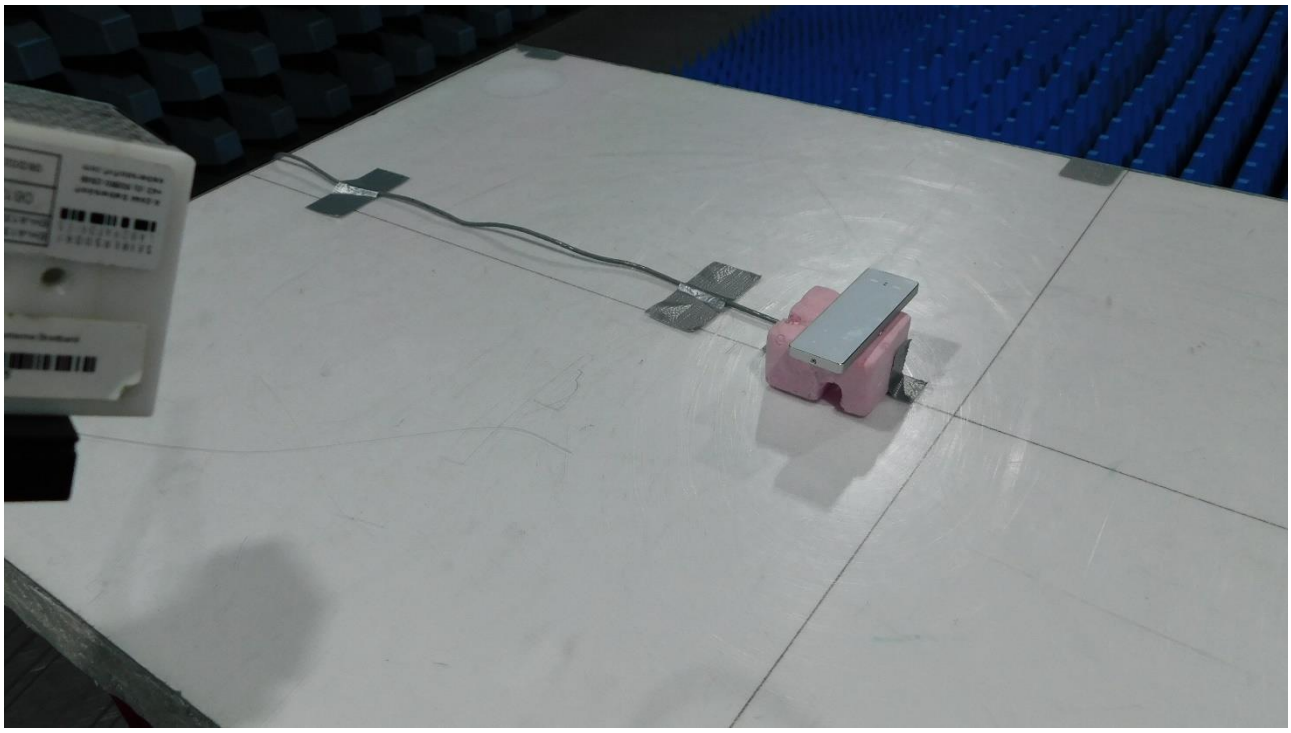
Picture 14: SAC, radiated emission test 30 MHz - 1 GHz (rear view)



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

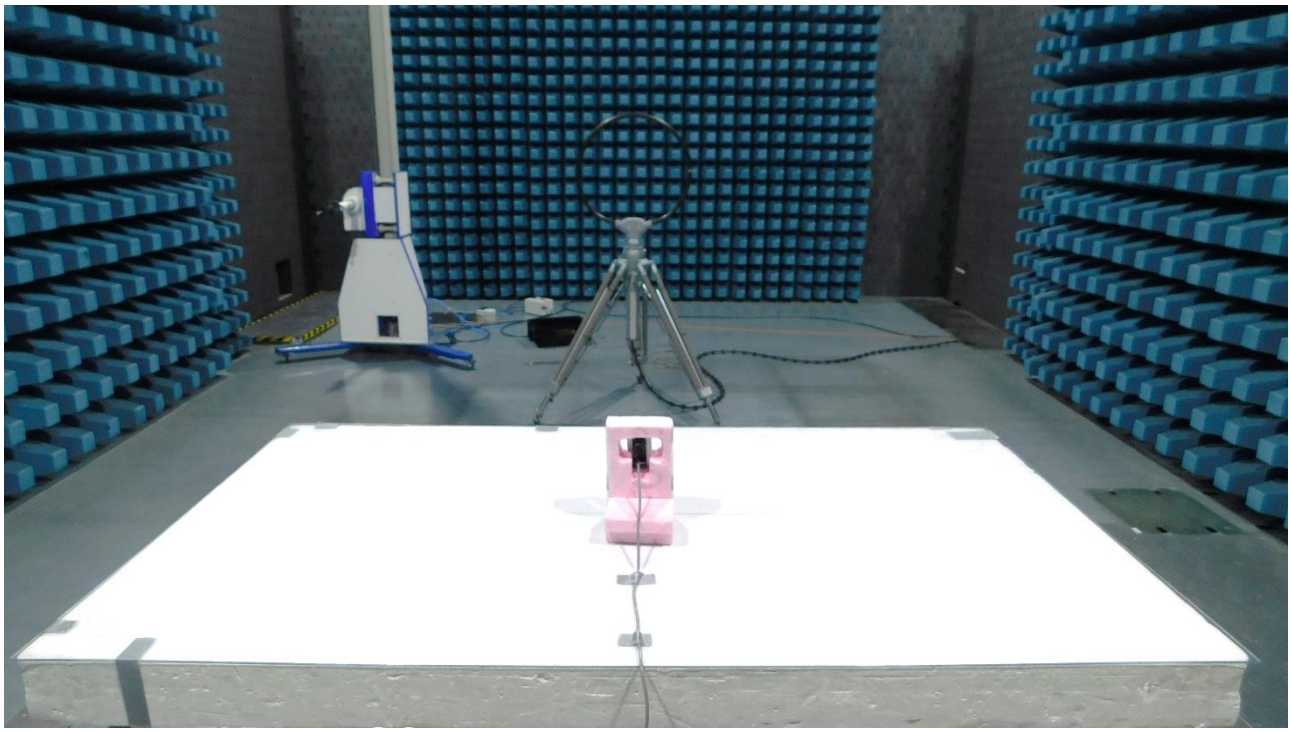


Picture 16: SAC, radiated emission test 1 GHz – 17 GHz (rear view)

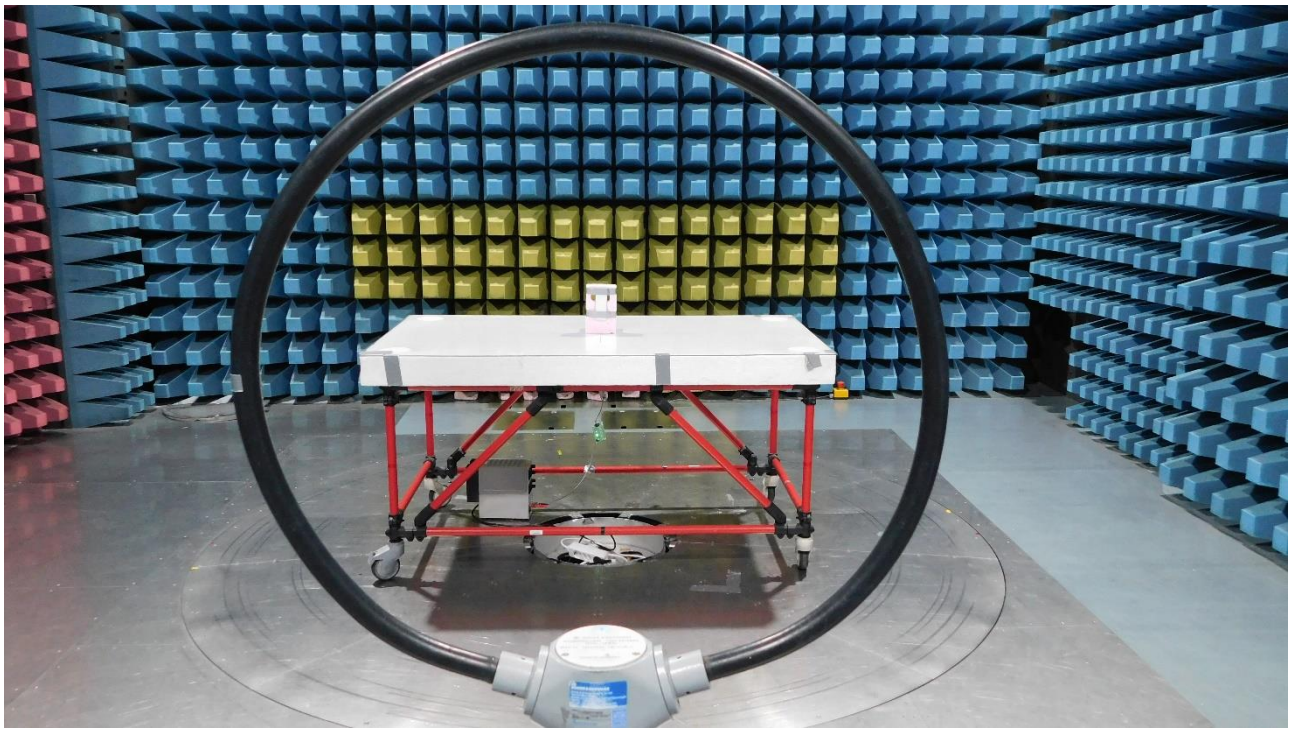


Picture 17: SAC, exploratory radiated emission test 17 GHz – 25 GHz (front view)

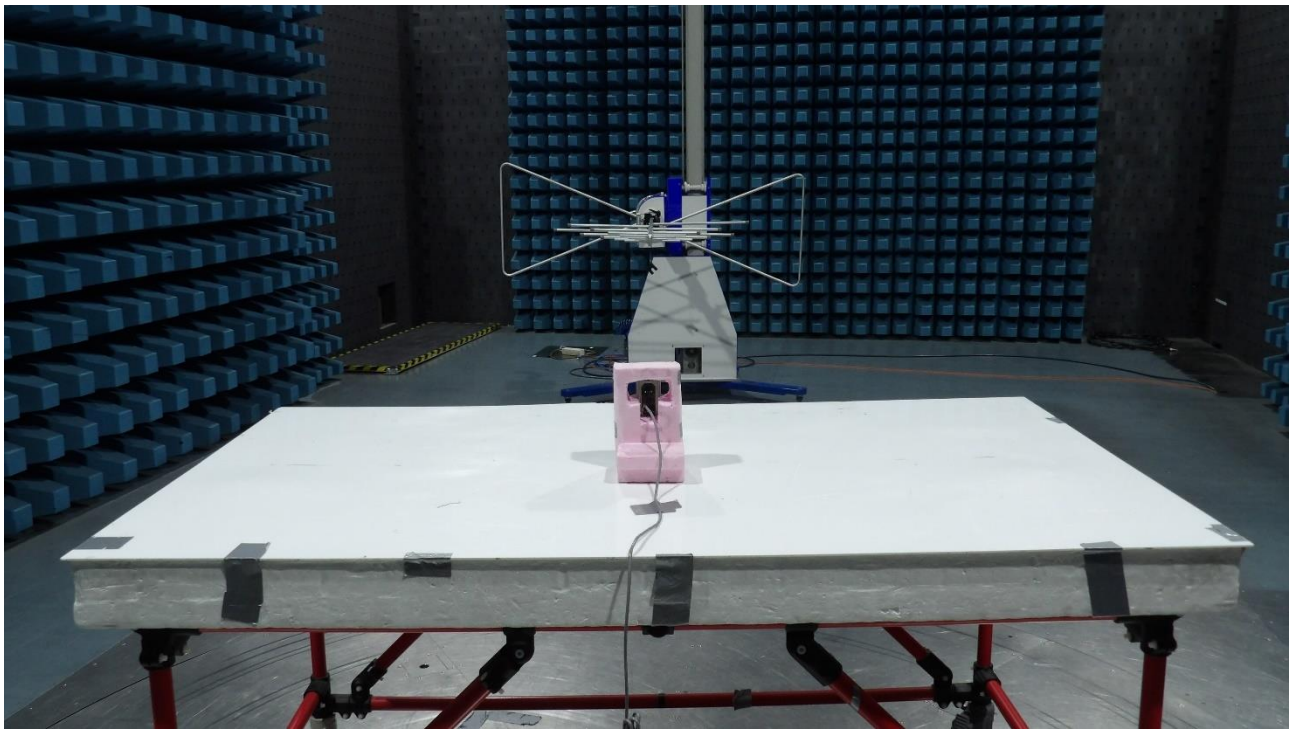
**Wiegand mode**



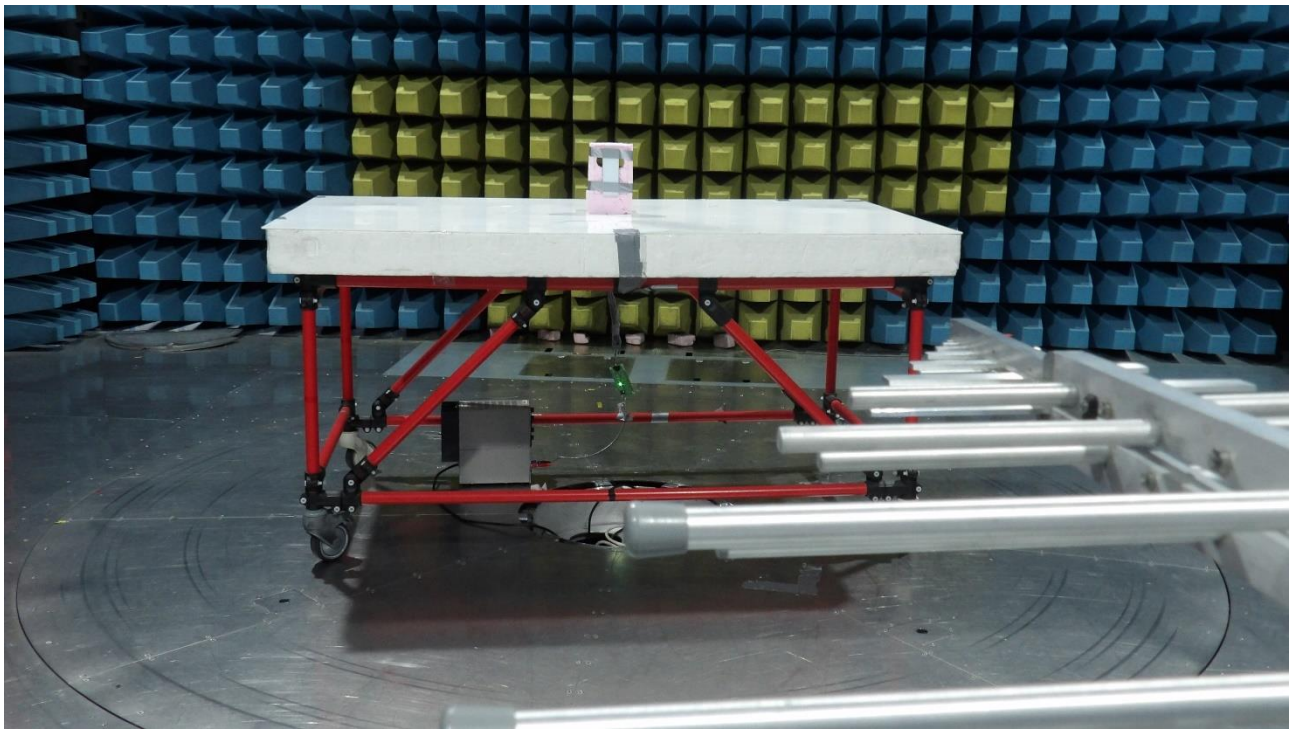
Picture 18: SAC, test setup radiated emission test 9 kHz - 30 MHz (front view)



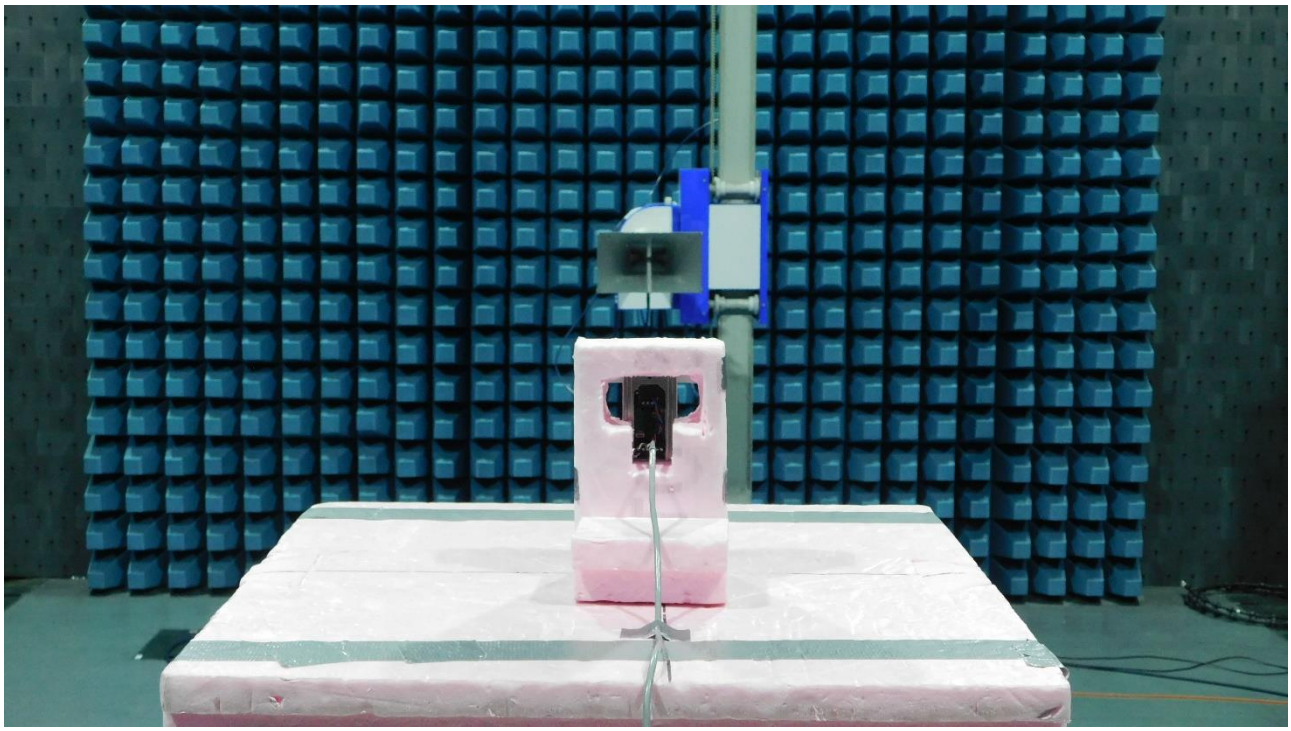
Picture 19: SAC, test setup radiated emission test 9 kHz - 30 MHz (rear view)



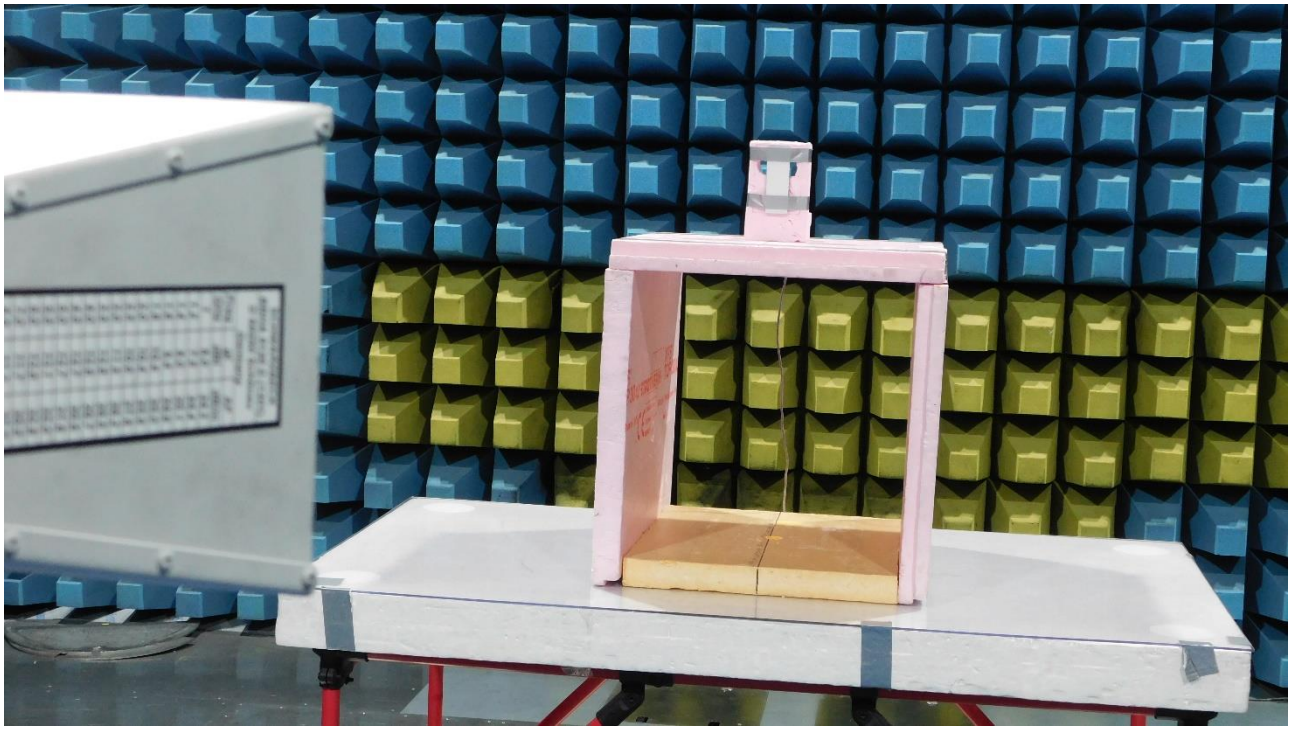
Picture 20: SAC, radiated emission test 30 MHz - 1 GHz (front view)



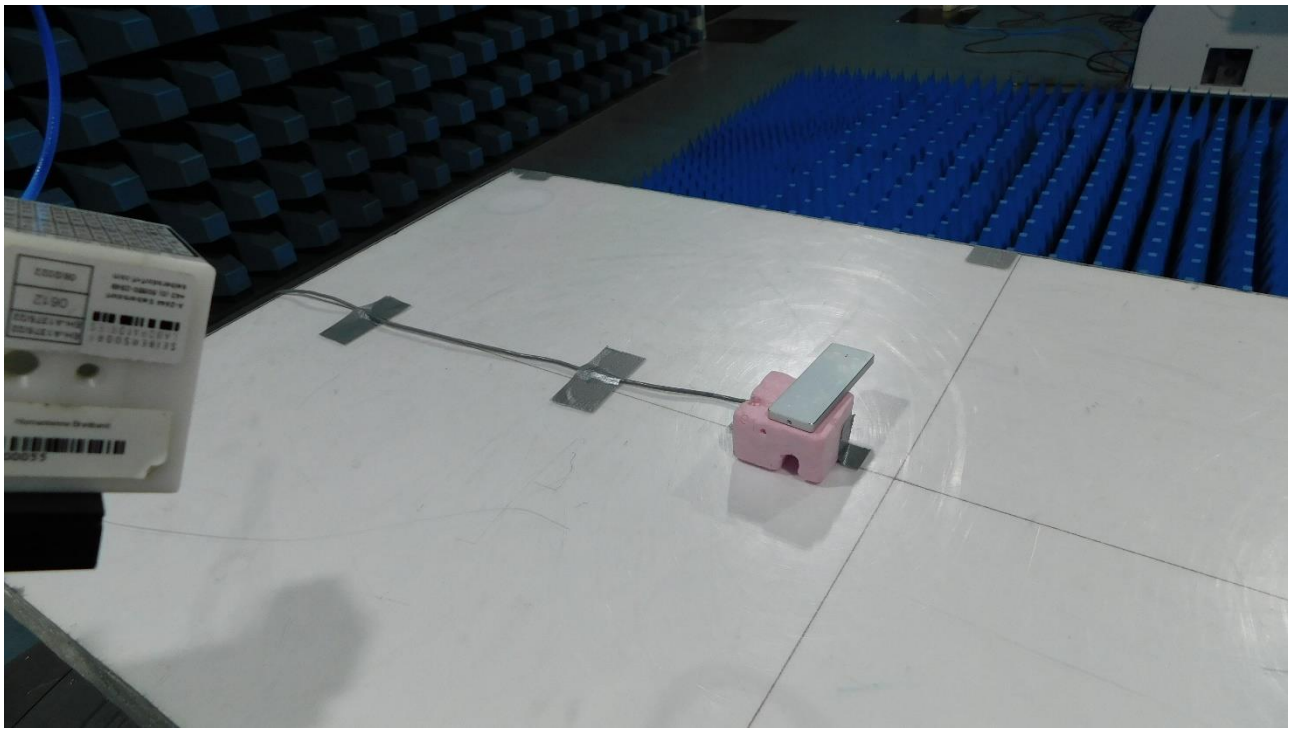
Picture 21: SAC, radiated emission test 30 MHz - 1 GHz (rear view)



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



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

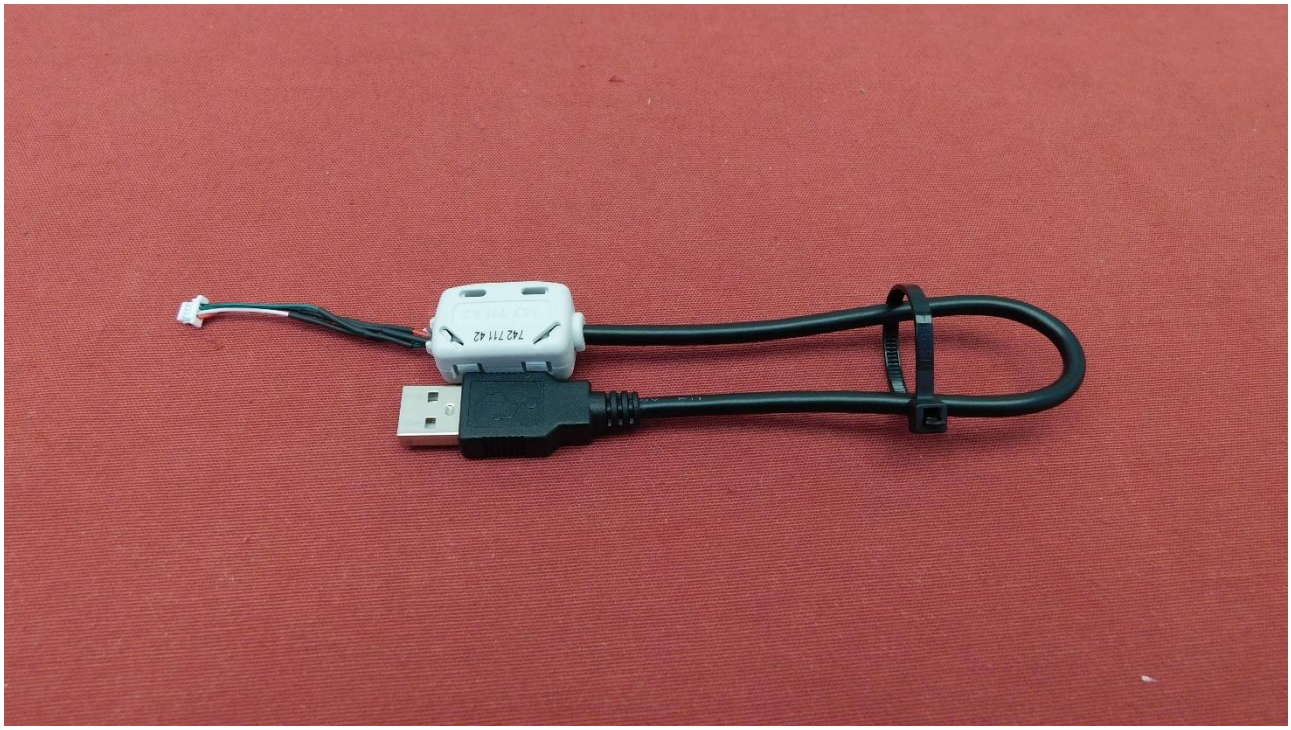


Picture 24: SAC, exploratory radiated emission test 17 GHz – 25 GHz (front view)

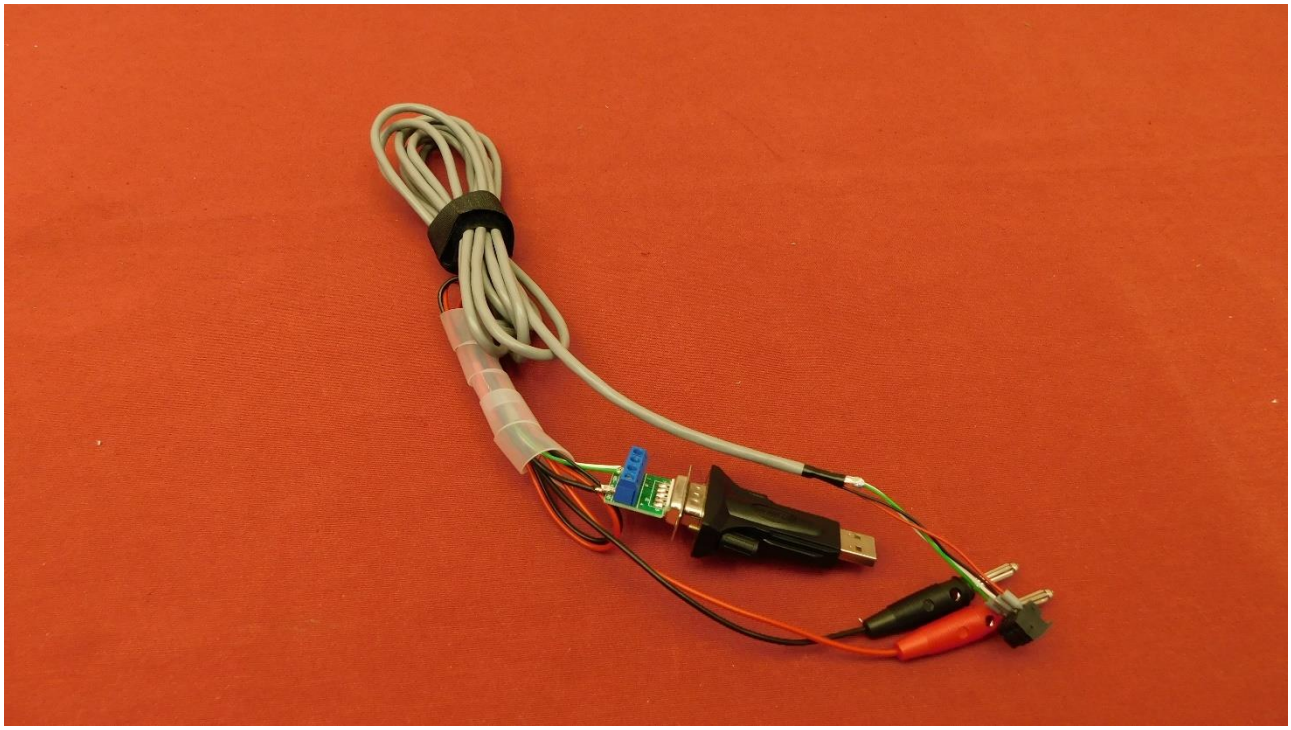
Note(s):
1. Position Y is the normal position of use.
2. Position X was only used for the radiated tests below 30 MHz, because the measurement antenna can only be polarized vertical.

Picture 25: EUT position X

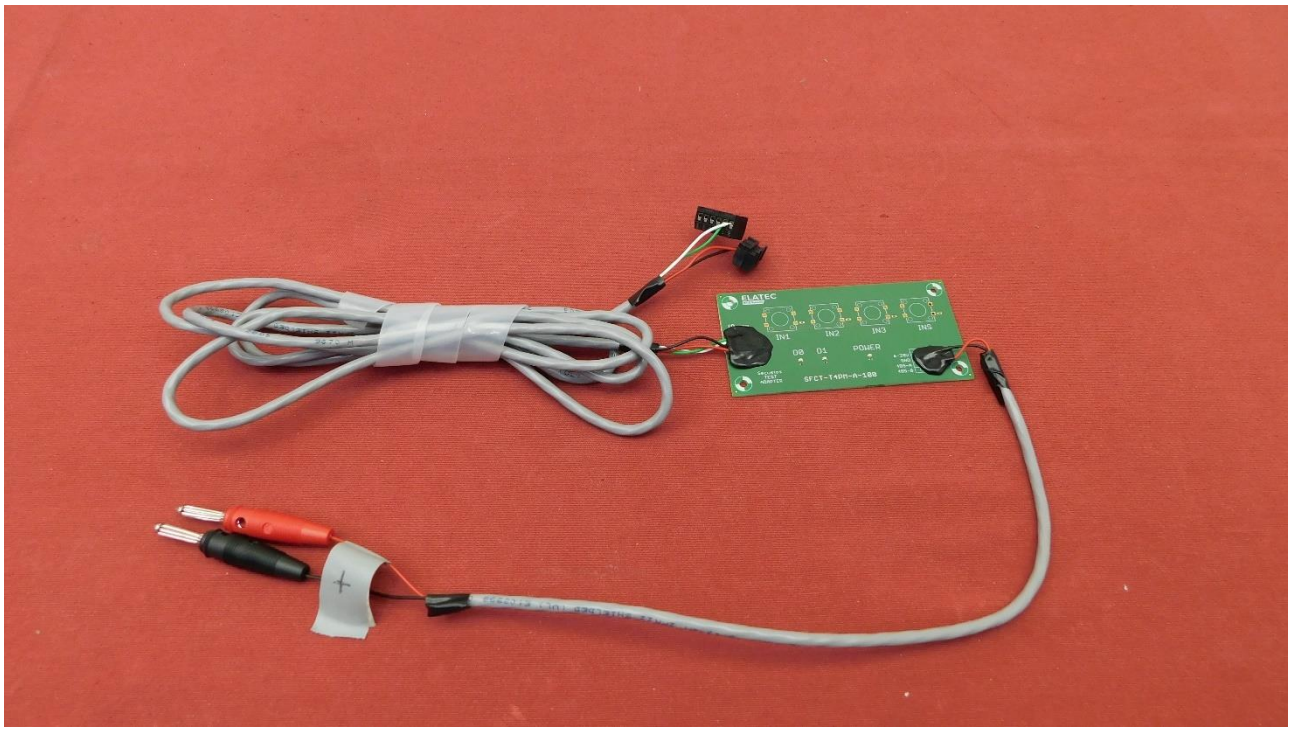
Picture 26: EUT position Y



Picture 27: USB cable



Picture 28: RS-485 adapter




Picture 29: Wiegand adapter