

## FCC Part 15B Compliance Test Report

|                                                         |                                                                                                                                                                                                                                                                                                                                 |                                   |                                                                                                                                          |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Report no.:</b>                                 | FCC15B_RM-750_104                                                                                                                                                                                                                                                                                                               | <b>Date of Report:</b>            | 18-Apr-2012                                                                                                                              |
| <b>Number of pages:</b>                                 | 9                                                                                                                                                                                                                                                                                                                               | <b>Customer's Contact person:</b> | Janne Sarna                                                                                                                              |
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| <b>FCC listing no.:</b>                                 | 94436                                                                                                                                                                                                                                                                                                                           |                                   |                                                                                                                                          |
| <b>IC recognition no.:</b>                              | 661AK-1                                                                                                                                                                                                                                                                                                                         |                                   |                                                                                                                                          |
| <b>Tested devices/ accessories:</b>                     | <b>Phone RM-750 / Battery BL-4U / AC charger AC-8E / Headset WH-102</b>                                                                                                                                                                                                                                                         |                                   |                                                                                                                                          |
| <b>FCC ID:</b>                                          | QTKRM-750X                                                                                                                                                                                                                                                                                                                      | <b>IC:</b>                        | 661AD-RM750                                                                                                                              |
| <b>Supplement reports:</b>                              | -                                                                                                                                                                                                                                                                                                                               |                                   |                                                                                                                                          |
| <b>Testing has been carried out in accordance with:</b> | CFR 47, FCC rules Part 15 Subpart B, ANSI C63.4 (2003), ICES-003, CISPR 22, RSS-132 (Issue 2, September 2005), RSS-133 (Issue 5, February 2009), RSS-139 (Issue 2, February 2009). Deviations, modifications or clarifications (if any) to above mentioned documents are written in each section under "Test method and limit". |                                   |                                                                                                                                          |
| <b>Documentation:</b>                                   | The test report must always be reproduced in full; reproduction of an excerpt only is subject to written approval of the testing laboratory. The documentation of the testing performed on the tested devices is archived for 15 years at TCC Nokia.                                                                            |                                   |                                                                                                                                          |
| <b>Test Results:</b>                                    | <b>The EUT complies with the requirements in respect of all parameters subject to the test.</b><br>The test results relate only to devices specified in this document                                                                                                                                                           |                                   |                                                                                                                                          |
| <b>Date and signature for the contents:</b>             |                                                                                                                                                                                                                                                                                                                                 |                                   |                                                                                                                                          |

Hannu Söderholm, Senior Engineer, EMC

## 1. Summary for FCC Part 15B Compliance Test Report

|                               |                                                              |
|-------------------------------|--------------------------------------------------------------|
| Date of receipt               | 28-Feb-2012                                                  |
| Testing completed             | 07-Feb-2012                                                  |
| The customer's contact person | Janne Sarna                                                  |
| Test Plan referred to         | T:\Projects\RM-750\TestPlan\RS_testplan_RM-750_CR_HW3000.xls |
| Notes                         | -                                                            |
| Document name                 | T:\Projects\RM-750\EMC\New FCC ID\FCC15B_RM-750_104.docx     |

### 1.1. EUT and Accessory Information

The EUT is a mobile phone with following features:

GSM/WCDMA/WLAN/Bluetooth

The EUT is tested with maximum rated TX power, modulated with pseudo random bit sequence (PRBS9).

Devices under tests

| Product    | Type   | SN                          | HW   | MV | SW      | DUT   |
|------------|--------|-----------------------------|------|----|---------|-------|
| Phone      | RM-750 | 351680051742793             | 3000 | -  | 011.033 | 42794 |
| Battery    | BL-4U  | 49554015030911078430670560  | -    | -  | -       | 42795 |
| AC charger | AC-8E  | 1103338312100301185;0675387 | -    | -  | -       | 42607 |
| Headset    | WH-102 | 0694323135611D25038         | -    | -  | -       | 42796 |

### 1.2. Summary of Test Results

#### GSM850:

| Section in CFR 47 | Section in ICES-003 (RSS-132) | Name of the test                 | Result |
|-------------------|-------------------------------|----------------------------------|--------|
| 15.107, a         | 5.3                           | AC powerline conducted emissions | NP     |
| 15.109, a         | 5.5 (4.6)                     | Radiated emissions               | PASSED |

#### GSM1900:

| Section in CFR 47 | Section in ICES-003 (RSS-133) | Name of the test                 | Result |
|-------------------|-------------------------------|----------------------------------|--------|
| 15.107, a         | 5.3                           | AC powerline conducted emissions | NP     |
| 15.109, a         | 5.5 (6.6)                     | Radiated emissions               | PASSED |

#### WCDMA 1700 (Band IV):

| Section in CFR 47 | Section in ICES-003 (RSS-139) | Name of the test                 | Result |
|-------------------|-------------------------------|----------------------------------|--------|
| 15.107, a         | 5.3                           | AC powerline conducted emissions | NP     |
| 15.109, a         | 5.5 (6.6)                     | Radiated emissions               | PASSED |

PASSED

FAILED

NP

The EUT complies with the essential requirements in the standard.

The EUT does not comply with the essential requirements in the standard.

The test was not performed by the TCC Nokia Laboratory.

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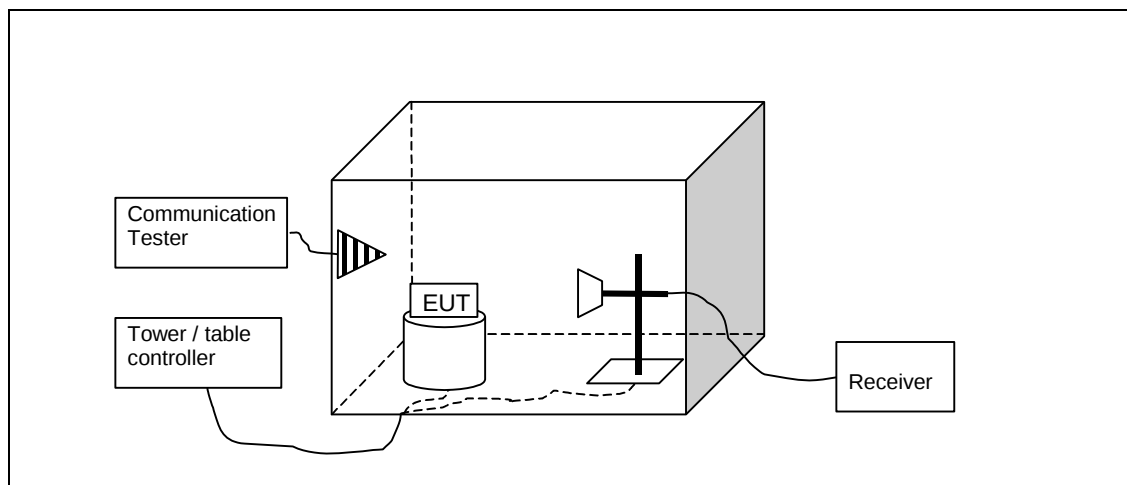
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## 2. Radiated emissions

(FCC §15.109, ICES-003 section 5.5, RSS-132 4.6, RSS-133 6.6, RSS-139 6.6)

|                                                 |                                                         |
|-------------------------------------------------|---------------------------------------------------------|
| EUT with DUT number                             | RM-750, DUT 42794                                       |
| Accessories with DUT numbers                    | BL-4U, DUT 42795 ; AC-8E, DUT 42607 ; WH-102, DUT 42796 |
| Operation Voltage [V] / [Hz]                    | Nominal                                                 |
| Results                                         | PASSED                                                  |
| Remarks                                         | -                                                       |
| Temp [°C] / Humidity [%RH] / Air Pressure [kPa] | 24 / 51 / 101                                           |
| Date of measurements                            | 05-Mar-2012                                             |
| Measured by                                     | Timo Raiskio                                            |

### 2.1.1 Test Setup



### 2.2. Test method and limit

The measurement is made according to ANSI C63.4-2003as follows:

The measurement is performed in the Semi-Anechoic Chamber with conducting metal floor.

The measurement distance is 3 m.

The EUT is placed on a nonconductive plate at 80 cm height.

For each suspected frequency, the turntable is rotated 360 degrees and antenna is scanned from 1 to 4 m. This is repeated for both horizontal and vertical receive antenna polarizations.

The emissions less than 20 dB below the permissible value are reported.

CISPR 22 and FCC Part 15 Class B limits (3 m measurement distance)

| Frequency range [MHz] | Quasi peak limit [dBμV/m] | Average limit [dBμV/m] | Peak limit [dBμV/m] |
|-----------------------|---------------------------|------------------------|---------------------|
| 30 - 230              | 40                        | -                      | -                   |
| 230 – 1000            | 47                        | -                      | -                   |
| Above 1000            | -                         | 54                     | 74                  |

### 2.3. GSM850 Test results

Substitution method could not be utilized as no emissions above noise floor were found during measurements.

RX mode, channel 128 / 869.2 MHz

Peak (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|------------|----------|------------------------|-----------------------|--------------|--------|
| 3475.3          | 38.35      | 82.718   | 43.98                  | -5.63                 | HORIZONTAL   | PASSED |
| 6952.7          | 47.35      | 232.97   | 46.93                  | 0.42                  | VERTICAL     | PASSED |

Average(RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|------------|----------|------------------------|-----------------------|--------------|--------|
| 3475.3          | 25.67      | 19.218   | 31.3                   | -5.63                 | HORIZONTAL   | PASSED |
| 6952.7          | 34.35      | 52.149   | 33.93                  | 0.42                  | VERTICAL     | PASSED |

RX mode, channel 190 / 881.6 MHz

Quasi peak (RBW: 120 kHz, VBW: 300 kHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|------------|----------|------------------------|-----------------------|--------------|--------|
| 30.09           | 27.79      | 24.505   | 55.32                  | -27.53                | VERTICAL     | PASSED |
| 33.018          | 22.48      | 13.3     | 51.14                  | -28.66                | VERTICAL     | PASSED |
| 37.785          | 13.75      | 4.87     | 44.28                  | -30.53                | VERTICAL     | PASSED |
| 912.662         | 15.57      | 6.007    | 37.78                  | -22.21                | VERTICAL     | PASSED |

Peak (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|------------|----------|------------------------|-----------------------|--------------|--------|
| 7829.757        | 45.35      | 185.119  | 42.8                   | 2.55                  | VERTICAL     | PASSED |
| 7835.271        | 44.69      | 171.633  | 42.15                  | 2.54                  | VERTICAL     | PASSED |
| 7846.195        | 45.05      | 178.752  | 42.55                  | 2.5                   | VERTICAL     | PASSED |
| 7854.408        | 45.38      | 185.845  | 42.92                  | 2.46                  | HORIZONTAL   | PASSED |

Average(RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|------------|----------|------------------------|-----------------------|--------------|--------|
| 7829.757        | 32.1       | 40.258   | 29.55                  | 2.55                  | VERTICAL     | PASSED |
| 7835.271        | 32.13      | 40.397   | 29.59                  | 2.54                  | VERTICAL     | PASSED |
| 7846.195        | 32.16      | 40.546   | 29.66                  | 2.5                   | VERTICAL     | PASSED |
| 7854.408        | 32.34      | 41.381   | 29.88                  | 2.46                  | HORIZONTAL   | PASSED |

RX mode, channel 251 / 893.8 MHz

Peak (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|------------|----------|------------------------|-----------------------|--------------|--------|
| 3575.6          | 39.14      | 90.584   | 44.65                  | -5.51                 | HORIZONTAL   | PASSED |
| 7149.4          | 43.81      | 155.078  | 42.54                  | 1.27                  | HORIZONTAL   | PASSED |

Average(RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|------------|----------|------------------------|-----------------------|--------------|--------|
| 3575.6          | 25.31      | 18.437   | 30.82                  | -5.51                 | HORIZONTAL   | PASSED |
| 7149.4          | 30.82      | 34.734   | 29.55                  | 1.27                  | HORIZONTAL   | PASSED |

## 2.4. GSM1900 Test results

Substitution method could not be utilized as no emissions above noise floor were found during measurements.

RX mode, channel 512 / 1930.2 MHz  
Peak (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|------------|----------|------------------------|-----------------------|--------------|--------|
| 3860.9          | 39.42      | 93.53    | 42.54                  | -3.12                 | HORIZONTAL   | PASSED |
| 7719.5          | 45.02      | 178.135  | 42.67                  | 2.35                  | VERTICAL     | PASSED |

Average(RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|------------|----------|------------------------|-----------------------|--------------|--------|
| 3860.9          | 26.67      | 21.543   | 29.79                  | -3.12                 | HORIZONTAL   | PASSED |
| 7719.5          | 31.76      | 38.712   | 29.41                  | 2.35                  | VERTICAL     | PASSED |

RX mode, channel 661 / 1960.0 MHz  
Quasi peak (RBW: 120 kHz, VBW: 300 kHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|------------|----------|------------------------|-----------------------|--------------|--------|
| 30.21           | 18.75      | 8.657    | 46.33                  | -27.58                | VERTICAL     | PASSED |
| 33.03           | 25.34      | 18.486   | 54                     | -28.66                | VERTICAL     | PASSED |
| 37.845          | 14.75      | 5.465    | 45.3                   | -30.55                | VERTICAL     | PASSED |
| 910.492         | 15.61      | 6.03     | 37.94                  | -22.33                | VERTICAL     | PASSED |

Peak (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|------------|----------|------------------------|-----------------------|--------------|--------|
| 1960.119        | 48.4       | 263.027  | 60.8                   | -12.4                 | HORIZONTAL   | PASSED |
| 7836.571        | 44.95      | 176.705  | 42.42                  | 2.53                  | VERTICAL     | PASSED |
| 7839.575        | 45.04      | 178.587  | 42.54                  | 2.5                   | HORIZONTAL   | PASSED |
| 7848.393        | 45.3       | 183.971  | 42.8                   | 2.5                   | VERTICAL     | PASSED |
| 7855.613        | 45.64      | 191.514  | 43.18                  | 2.46                  | HORIZONTAL   | PASSED |

Average(RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|------------|----------|------------------------|-----------------------|--------------|--------|
| 1960.119        | 44.14      | 160.972  | 56.54                  | -12.4                 | HORIZONTAL   | PASSED |
| 7836.571        | 32.06      | 40.087   | 29.53                  | 2.53                  | VERTICAL     | PASSED |
| 7839.575        | 32.13      | 40.411   | 29.63                  | 2.5                   | HORIZONTAL   | PASSED |
| 7848.393        | 32.16      | 40.57    | 29.66                  | 2.5                   | VERTICAL     | PASSED |
| 7855.613        | 32.25      | 40.964   | 29.79                  | 2.46                  | HORIZONTAL   | PASSED |

RX mode, channel 810 / 1989.8 MHz  
Peak (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|------------|----------|------------------------|-----------------------|--------------|--------|
| 3980.5          | 39.89      | 98.696   | 42.93                  | -3.04                 | VERTICAL     | PASSED |
| 7959.2          | 45.53      | 189.104  | 42.92                  | 2.61                  | HORIZONTAL   | PASSED |

Average(RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|------------|----------|------------------------|-----------------------|--------------|--------|
| 3980.5          | 27.09      | 22.631   | 30.13                  | -3.04                 | VERTICAL     | PASSED |
| 7959.2          | 32.25      | 40.987   | 29.64                  | 2.61                  | HORIZONTAL   | PASSED |

## 2.5. WCDMA 1700 (Band IV) Test results

Substitution method could not be utilized as no emissions above noise floor were found during measurements.

RX mode, channel 1537 / 2112.4 MHz  
Peak (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|------------|----------|------------------------|-----------------------|--------------|--------|
| 4223            | 38.87      | 87.821   | 42.8                   | -3.93                 | VERTICAL     | PASSED |
| 6337.3          | 44.47      | 167.302  | 45.54                  | -1.07                 | HORIZONTAL   | PASSED |

Average(RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|------------|----------|------------------------|-----------------------|--------------|--------|
| 4223            | 26.49      | 21.098   | 30.42                  | -3.93                 | VERTICAL     | PASSED |
| 6337.3          | 32.01      | 39.861   | 33.08                  | -1.07                 | HORIZONTAL   | PASSED |

RX mode, channel 1637 / 2132.4 MHz  
Quasi peak (RBW: 120 kHz, VBW: 300 kHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|------------|----------|------------------------|-----------------------|--------------|--------|
| 30              | 18.25      | 8.175    | 45.75                  | -27.5                 | VERTICAL     | PASSED |
| 33.016          | 22.17      | 12.84    | 50.83                  | -28.66                | VERTICAL     | PASSED |
| 38.016          | 11.07      | 3.577    | 41.69                  | -30.62                | VERTICAL     | PASSED |
| 910.192         | 16.61      | 6.768    | 37.99                  | -21.38                | HORIZONTAL   | PASSED |

Peak (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|------------|----------|------------------------|-----------------------|--------------|--------|
| 2133.565        | 49.44      | 296.483  | 59.78                  | -10.34                | HORIZONTAL   | PASSED |
| 7826.453        | 45.61      | 190.656  | 43.06                  | 2.55                  | HORIZONTAL   | PASSED |
| 7837.676        | 45.17      | 181.405  | 42.67                  | 2.5                   | HORIZONTAL   | PASSED |
| 7858.517        | 44.87      | 175.206  | 42.41                  | 2.46                  | HORIZONTAL   | PASSED |
| 7863.43         | 45         | 177.889  | 42.54                  | 2.46                  | HORIZONTAL   | PASSED |

Average(RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|------------|----------|------------------------|-----------------------|--------------|--------|
| 2133.565        | 35.01      | 56.318   | 45.35                  | -10.34                | HORIZONTAL   | PASSED |
| 7826.453        | 32.05      | 40.018   | 29.5                   | 2.55                  | HORIZONTAL   | PASSED |
| 7837.676        | 32.16      | 40.565   | 29.66                  | 2.5                   | HORIZONTAL   | PASSED |
| 7858.517        | 32.23      | 40.879   | 29.77                  | 2.46                  | HORIZONTAL   | PASSED |
| 7863.43         | 32.27      | 41.063   | 29.81                  | 2.46                  | HORIZONTAL   | PASSED |

RX mode, channel 1738 / 2152.6 MHz  
Peak (RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|------------|----------|------------------------|-----------------------|--------------|--------|
| 4304.3          | 38.98      | 88.961   | 43.05                  | -4.07                 | VERTICAL     | PASSED |
| 6458.3          | 45.91      | 197.379  | 47.05                  | -1.14                 | VERTICAL     | PASSED |

Average(RBW: 1 MHz, VBW: 1 MHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|------------|----------|------------------------|-----------------------|--------------|--------|
| 4304.3          | 26.11      | 20.198   | 30.18                  | -4.07                 | VERTICAL     | PASSED |
| 6458.3          | 32.72      | 43.246   | 33.86                  | -1.14                 | VERTICAL     | PASSED |

### 3. Test Equipment

#### 3.1. Conducted measurements

| Eq. No  | Equipment                           | Type        | Manufacturer  | Used in            |
|---------|-------------------------------------|-------------|---------------|--------------------|
| TM38112 | Power supply                        | 6632A       | Agilent       | 22/24/27, 15C      |
| TM38631 | Signal Generator                    | 83640L      | Agilent       | 22/24/27, 15C, 15B |
| OM06312 | Signal Generator                    | E4422B      | Agilent       | 22/24              |
| TM37678 | Communication Tester                | CMU200      | R&S           | 15C, 15B           |
| TM30600 | Impulse limiter                     | ESH3-Z2     | R&S           | 15C, 15B           |
| TM26490 | LISN 50 µH                          | ESH3-Z5     | R&S           | 15C, 15B           |
| TM26491 | LISN 50 µH                          | ESH3-Z5     | R&S           | 15C, 15B           |
| TM37610 | Spectrum Analyzer                   | FSU26       | R&S           | 22/24/27, 15C      |
| TM22806 | Battery                             | BAT 20/E    | Fiskars       | 15C, 15B           |
| TM22805 | UPS                                 | PS 20/1.2   | Fiskars       | 15C, 15B           |
| -       | Temperature and humidity logger     | 175-H2      | Testo         | 15C, 15B           |
| -       | Temperature and humidity logger     | 175-H2      | Testo         | 22/24/27, 15C      |
| -       | Air pressure and temperature logger | 635-2       | Testo         | 22/24/27, 15C, 15B |
| -       | Air pressure sensor                 | 0638-1835   | Testo         | 22/24/27, 15C, 15B |
| -       | Temperature test chamber            | VT 4002     | Vötsch        | 22/24              |
| 2058    | Receiver                            | ESPC        | R&S           | 15C, 15B           |
| 2001    | Bluetooth tester                    | CBT         | R&S           | 22/24/27, 15C, 15B |
| 2002    | Communication Tester                | CMU200      | R&S           | 22/24/27, 15C      |
| 2009    | LISN 50 µH                          | ENV216      | R&S           | 15C, 15B           |
| 2010    | LISN 50 µH                          | ENV216      | R&S           | 15C, 15B           |
| 2012    | Power splitter                      | 11667B      | Agilent       | 22/24/27, 15C      |
| 2013    | Attenuator                          | 8493C       | Agilent       | 22/24/27, 15C      |
| 2014    | Attenuator                          | 8493C       | Agilent       | 22/24/27, 15C      |
| 2019    | Power splitter                      | ZN2PD-9G-S+ | Mini-Circuits | 15E                |
| 2020    | Power splitter                      | ZN2PD-9G-S+ | Mini-Circuits | 15E                |
| 2023    | Spectrum Analyzer                   | ESMI-RF     | R&S           | 15B/15C            |
| 2024    | Analyzer display unit               | ESAI-D      | R&S           | 15B/15C            |

### 3.2. Radiated measurements

| Eq. No  | Equipment                           | Type                                   | Manufacturer   | Used in            |
|---------|-------------------------------------|----------------------------------------|----------------|--------------------|
| TM38114 | Power supply                        | 6632A                                  | Agilent        | 22/24/27, 15C, 15B |
| TM38631 | Signal Generator                    | 83640L                                 | Agilent        | 22/24/27, 15C, 15B |
| TM38323 | Preamplifier                        | PA-02 18-26 GHz                        | EMC Automation | 22/24/27, 15C, 15B |
| -       | Antenna                             | BBHA 9120 D                            | Schwarzbeck    | 22/24/27, 15C      |
| TM26497 | Antenna                             | 3115                                   | Emco           | 22/24/27, 15C, 15B |
| TM37773 | Communication Tester                | CMU200                                 | R&S            | 22/24/27, 15C, 15B |
| TM38845 | Receiver                            | ESIB 26                                | R&S            | 22/24/27, 15C, 15B |
| -       | Antenna                             | HL562                                  | R&S            | 22/24/27, 15C, 15B |
| -       | Turntable                           | 2188                                   | EMCO           | 22/24/27, 15C, 15B |
| -       | Turntable controller                | 2090                                   | EMCO           | 22/24/27, 15C, 15B |
| -       | RF system panel                     | TS-RSP                                 | R&S            | 22/24/27, 15C, 15B |
| -       | RF system panel                     | TS-RSP                                 | R&S            | 22/24/27, 15C, 15B |
| -       | Mini mast                           | 2075-2                                 | ETS Lindgren   | 22/24/27, 15C, 15B |
| TM38843 | Mini mast                           | 2075                                   | Emco           | 22/24/27, 15C, 15B |
| TM38842 | Antenna mast controller             | 2090                                   | Emco           | 22/24/27, 15C, 15B |
| TM30643 | LISN 50 $\mu$ H                     | LISN-5-20-2                            | FCC            | 22/24/27, 15C, 15B |
| TM30644 | LISN 50 $\mu$ H                     | LISN-5-20-2                            | FCC            | 22/24/27, 15C, 15B |
| -       | Temperature and humidity logger     | 175-H2                                 | Testo          | 22/24/27, 15C, 15B |
| -       | Air pressure and temperature logger | 635-2                                  | Testo          | 22/24/27, 15C, 15B |
| -       | Air pressure sensor                 | 0638-1835                              | Testo          | 22/24/27, 15C, 15B |
| TM39180 | Laser distance meter                | Disto Pro                              | Leica          | 22/24/27, 15C, 15B |
| TM37523 | Preamplifier                        | AMF-4D-10M-3G-25-20P                   | Miteq          | 22/24/27, 15C, 15B |
| TM37498 | Preamplifier                        | AMF-5D-020180-26-10P                   | Miteq          | 22/24/27, 15C, 15B |
| TM30599 | Semi anechoic chambre               | UNKNOWN                                | TDK            | 22/24/27, 15C, 15B |
| TM22638 | Power supply                        | OL63743-901                            | -              | 22/24/27, 15C, 15B |
| TM38066 | High pass filter                    | 4HC3000/18000-3-KK                     | Trilithic      | 22/24/27, 15C, 15B |
| -       | High pass filter                    | WHKX 1.6/15G-12SS                      | Wainwright     | 22/24/27, 15C, 15B |
| TM37545 | Tunable notch filter                | 800.0/960.0-0.2/40-8SSK                | Wainwright     | 22                 |
| TM26512 | Tunable notch filter                | WRCD1850/1910-0.2/40-10SSK             | Wainwright     | 24                 |
| -       | Band reject filter                  | WRCG1877/1883-1870/1890-40/6EE         | Wainwright     | 24                 |
| -       | Band reject filter                  | WRCG1729.4/1735.4-1722.4/1742.4-40/6SS | Wainwright     | 27                 |
| -       | Band reject filter                  | WRCG832/838-825/848-40/5SS             | Wainwright     | 22                 |
| TM23892 | Controller                          | G-1000SDX                              | Yaesu          | 22/24/27           |
| 2001    | Bluetooth tester                    | CBT                                    | R&S            | 22/24/27, 15C, 15B |
| 6023    | Antenna                             | VUBA 9117                              | Schwarzbeck    | 22/24/27, 15C      |