

## FCC Part 15C Compliance Test Report

|                                                         |                                                                                                                                                                                                                                                                                                                                      |                                   |                                                                                                                                                 |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Report no.:</b>                                 | Tre_FCC_0922_09.doc                                                                                                                                                                                                                                                                                                                  | <b>Date of Report:</b>            | 25-May-2009                                                                                                                                     |
| <b>Number of pages:</b>                                 | 14                                                                                                                                                                                                                                                                                                                                   | <b>Customer's Contact person:</b> | Asko Pasanen                                                                                                                                    |
| <b>Testing laboratory:</b>                              | TCC Nokia Copenhagen Laboratory<br>Frederikskaj<br>1790 COPENHAGEN V<br>DENMARK<br>Tel. +45 33 292929<br>Fax. +45 33 292934                                                                                                                                                                                                          | <b>Customer:</b>                  | Nokia Corporation<br>P.O. Box 50<br>Mattianniemi 6-8<br>FIN-40101 JYVÄSKYLÄ,<br>FINLAND<br>Tel. +358 (0) 7180 08000<br>Fax. +358 (0) 7180 78000 |
| <b>FCC listing no.:</b>                                 | 99059                                                                                                                                                                                                                                                                                                                                |                                   |                                                                                                                                                 |
| <b>IC recognition no.:</b>                              | 661AD-1                                                                                                                                                                                                                                                                                                                              |                                   |                                                                                                                                                 |
| <b>Tested devices/ accessories:</b>                     | <b>Phone; RM-485 (HW 0800), Battery; BL-5K, AC Charger; AC-10E</b>                                                                                                                                                                                                                                                                   |                                   |                                                                                                                                                 |
| <b>FCC ID:</b>                                          | QURRM-485                                                                                                                                                                                                                                                                                                                            | <b>IC:</b>                        | 661AC-RM485                                                                                                                                     |
| <b>Supplement reports:</b>                              | None                                                                                                                                                                                                                                                                                                                                 |                                   |                                                                                                                                                 |
| <b>Testing has been carried out in accordance with:</b> | CFR 47, FCC rules Part 15 Subpart C, ANSI C63.4 (2003), Public Notice DA 00-705, DTS procedures KDB 558074, IC standards RSS-GEN (Issue 2, June 2007) and RSS-210 (Issue 7, June 2007). 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>             |                                                                                                                                                                                                                                                                                                                                      |                                   |                                                                                                                                                 |

**Jari Jantunen, Test System Manager**

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

|                               |                                                        |
|-------------------------------|--------------------------------------------------------|
| Date of receipt               | 19-Mar-2009                                            |
| Testing completed             | 24-Apr-2009                                            |
| The customer's contact person | Asko Pasanen                                           |
| Test Plan referred to         | T:\Projects\RM-484\TestPlan_RS\RS_testplan_RM-484.xls  |
| Notes                         | None                                                   |
| Document name                 | T:\Projects\RM-484\EMC\Results\FCC\Cph_FCC_0913_12.doc |

### 1.1. EUT and Accessory Information

The EUT is a 7-band (GSM850/900/1800/1900 and WCDMA Band I/II(1900)/V) mobile phone with GPRS, EGPRS, Bluetooth, WLAN and FM transmitter. Bluetooth and WLAN are tested with maximum rated TX power.

| Product    | Type   | SN                          | HW   | MV | SW    | DUT   |
|------------|--------|-----------------------------|------|----|-------|-------|
| Phone      | RM-484 | 004401/10/565905/2          | 0800 |    | 0.527 | 25267 |
| Battery    | BL-5K  | 4620408441L10103026;0670580 | -    | -  | -     | 25263 |
| AC Charger | AC-10E | 3997918305050506220;0675408 | -    | -  | -     | 25262 |

### 1.2. Summary of Test Results

FM TX:

| Section in CFR 47 | Section in RSS-210 | Name of the test                         | Result |
|-------------------|--------------------|------------------------------------------|--------|
| 15.239(a)         | A2.8               | Field strength of the fundamental signal | Passed |
| 15.239(c)         | A2.8               | Spurious radiated emissions              | Passed |
| 15.207            | 6.6                | AC powerline conducted emissions         | Passed |
| 15.239(a)         | A2.8               | 26 dB bandwidth                          | Passed |

PASSED

The EUT complies with the essential requirements in the standard.

FAILED

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

NP

The test was not performed by the TCC Nokia Copenhagen Laboratory.

*The test results of QURRM-484 are re-used for certification of the QURRM-485. The table above indicates the results, which will be re-used.*

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## 2. Test setups

### 2.1. Conducted RF test setup



### 2.2. AC powerline conducted emissions test setup



### 2.3. Radiated test setup



### 3. Field strength of the fundamental signal (FCC §15.239(a), RSS-210 A2.8)

|                                                        |                                   |
|--------------------------------------------------------|-----------------------------------|
| <b>EUT with DUT number</b>                             | RM-484 DUT 25267                  |
| <b>Accessories with DUT numbers</b>                    | BL-5K DUT 25263, AC-10E DUT 25262 |
| <b>Operation Voltage [V] / [Hz]</b>                    | 115 / 60                          |
| <b>Result</b>                                          | Passed                            |
| <b>Remarks</b>                                         | Phone tested in slide open mode.  |
| <b>Temp [°C] / Humidity [%RH] / Air Pressure [kPa]</b> | 22.1 / 38 / 101.8                 |
| <b>Date of measurements</b>                            | 30-Mar-2009                       |
| <b>Measured by</b>                                     | Christian Andersen                |

#### 3.1. Test method and limit

The measurement is made according to ANSI C63.4 and IC standard RSS-210.

Limits for field strength of the fundamental signal measurements (3 m measurement distance)

| <b>Limit [<math>\mu\text{V/m}</math>]</b> | <b>Limit [<math>\text{dB}\mu\text{V/m}</math>]</b> | <b>Detector</b> |
|-------------------------------------------|----------------------------------------------------|-----------------|
| 250                                       | 48                                                 | Average         |
| 2500                                      | 68                                                 | Peak            |

### 3.2. FM TX Test results

Peak (RBW: 120 kHz, VBW: 300 kHz)

| Frequency [MHz] | E [dB $\mu$ V/m] | E [ $\mu$ V/m] | U <sub>RX</sub> [dB $\mu$ V] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|------------------|----------------|------------------------------|-----------------------|--------------|--------|
| 88.100000       | 48.30            | 260.02         | 72.60                        | -24.3                 | HORIZONTAL   | Passed |
| 98.000000       | 45.50            | 188.36         | 69.60                        | -24.1                 | VERTICAL     | Passed |
| 107.900000      | 49.60            | 302.00         | 73.50                        | -23.9                 | VERTICAL     | Passed |

Average (RBW: 120 kHz, VBW: 300 kHz)

| Channel / f <sub>c</sub> [MHz] | E [dB $\mu$ V/m] | E [ $\mu$ V/m] | U <sub>RX</sub> [dB $\mu$ V] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|--------------------------------|------------------|----------------|------------------------------|-----------------------|--------------|--------|
| Low / 88.1                     | 41.90            | 124.45         | 66.20                        | -24.3                 | HORIZONTAL   | Passed |
| Middle / 98.0                  | 42.10            | 127.35         | 66.20                        | -24.1                 | VERTICAL     | Passed |
| High / 107.9                   | 44.30            | 164.06         | 68.20                        | -23.9                 | VERTICAL     | Passed |

#### 4. Spurious radiated emissions (FCC §15.239(c), RSS-210 A2.8)

|                                                 |                                   |
|-------------------------------------------------|-----------------------------------|
| EUT with DUT number                             | RM-484 DUT 25267                  |
| Accessories with DUT numbers                    | BL-5K DUT 25263, AC-10E DUT 25262 |
| Operation Voltage [V] / [Hz]                    | 115 / 60                          |
| Result                                          | Passed                            |
| Remarks                                         | Phone tested in slide open mode.  |
| Temp [°C] / Humidity [%RH] / Air Pressure [kPa] | 22.1 / 38 / 101.8                 |
| Date of measurements                            | 30-Mar-2009                       |
| Measured by                                     | Christian Andersen                |

##### 4.1. Test method and limit

The measurement is made according to ANSI C63.4 and IC standard RSS-210 as follows:

The measurement is divided into the Preliminary Measurement and the Final Measurement.

The suspected frequencies are searched for in Preliminary Measurement with absorbers on the floor and measuring antenna at fixed height using 2-axis EUT position system.

The Final Measurement is performed in the Semi-Anechoic Chamber with conducting metal floor, if the Preliminary Measurement results are closer than 20 dB to the permissible value.

The EUT is placed at nonconductive plate at the turntable center.

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.

The measurement results are obtained as described below:

$$E [\mu V/m] = U_{RX} + A_{TOT}$$

Where  $U_{RX}$  is receiver reading and  $A_{TOT}$  is total correction factor including cable loss, antenna factor and preamplifier gain ( $A_{TOT} = L_{CABLES} + AF - G_{PREAMP}$ ).

Limits for spurious radiated emissions measurements (3 m measurement distance)

| Frequency range [MHz] | Limit [ $\mu\text{V/m}$ ] | Limit [dB $\mu\text{V/m}$ ] | Detector   |
|-----------------------|---------------------------|-----------------------------|------------|
| 30 – 88               | 100                       | 40                          | Quasi peak |
| 88 – 216              | 150                       | 43.5                        | Quasi peak |
| 216 – 960             | 200                       | 46                          | Quasi peak |
| 960 – 1000            | 500                       | 54                          | Quasi peak |
| 1000 – 1100           | 500                       | 54                          | Average    |
| 1000 – 1100           | 5000                      | 74                          | Peak       |

Spurious radiated emissions shall not exceed the field strength of the fundamental signal at any frequencies.

## 4.2. FM TX Test results

Low channel / 88.1 MHz

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

| Frequency [MHz] | E [dB $\mu\text{V/m}$ ] | E [ $\mu\text{V/m}$ ] | U <sub>RX</sub> [dB $\mu\text{V}$ ] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|-------------------------|-----------------------|-------------------------------------|-----------------------|--------------|--------|
| 30.700000       | 23.80                   | 15.49                 | 35.40                               | -11.6                 | VERTICAL     | Passed |
| 51.790501       | 28.00                   | 25.12                 | 54.00                               | -26.0                 | VERTICAL     | Passed |
| 56.778156       | 28.30                   | 26.00                 | 56.70                               | -28.4                 | HORIZONTAL   | Passed |
| 56.830180       | 28.50                   | 26.61                 | 56.90                               | -28.4                 | HORIZONTAL   | Passed |
| 57.090100       | 29.90                   | 31.26                 | 58.30                               | -28.4                 | HORIZONTAL   | Passed |

Middle channel / 98.0 MHz

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

| Frequency [MHz] | E [dB $\mu\text{V/m}$ ] | E [ $\mu\text{V/m}$ ] | U <sub>RX</sub> [dB $\mu\text{V}$ ] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|-------------------------|-----------------------|-------------------------------------|-----------------------|--------------|--------|
| 56.530180       | 23.80                   | 15.49                 | 52.20                               | -28.4                 | HORIZONTAL   | Passed |
| 56.578156       | 24.10                   | 16.03                 | 52.50                               | -28.4                 | HORIZONTAL   | Passed |
| 56.990100       | 23.10                   | 14.29                 | 51.50                               | -28.4                 | HORIZONTAL   | Passed |

High channel / 107.9 MHz

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

| Frequency [MHz] | E [dB $\mu\text{V/m}$ ] | E [ $\mu\text{V/m}$ ] | U <sub>RX</sub> [dB $\mu\text{V}$ ] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|-------------------------|-----------------------|-------------------------------------|-----------------------|--------------|--------|
| 51.640501       | 26.00                   | 19.95                 | 51.90                               | -25.9                 | VERTICAL     | Passed |
| 56.780180       | 28.50                   | 26.61                 | 56.90                               | -28.4                 | HORIZONTAL   | Passed |
| 56.828156       | 28.20                   | 25.70                 | 56.60                               | -28.4                 | HORIZONTAL   | Passed |
| 57.040100       | 29.50                   | 29.85                 | 57.90                               | -28.4                 | HORIZONTAL   | Passed |

## 5. AC powerline conducted emissions (FCC §15.207, RSS-210 6.6)

|                                                        |                                   |
|--------------------------------------------------------|-----------------------------------|
| <b>EUT with DUT number</b>                             | RM-484 DUT 25267                  |
| <b>Accessories with DUT numbers</b>                    | BL-5K DUT 25263, AC-10E DUT 25262 |
| <b>Operation Voltage [V] / [Hz]</b>                    | 115 / 60                          |
| <b>Result</b>                                          | Passed                            |
| <b>Remarks</b>                                         | None                              |
| <b>Temp [°C] / Humidity [%RH] / Air Pressure [kPa]</b> | 24.2 / 29.5<br>103.42             |
| <b>Date of measurements</b>                            | 24-Apr-2009                       |
| <b>Measured by</b>                                     | Jan Engelbrechtsen                |

### 5.1. Test method and limit

The measurement is made according to ANSI C63.4 and IC standard RSS-GEN as follows:

The EUT is placed on a wooden table 80 cm above the reference groundplane.

The EUT is connected via LISN to a test power supply.

The measurement results are obtained as described below:

$$U [dB\mu V] = U_{RX} + A_{TOT}$$

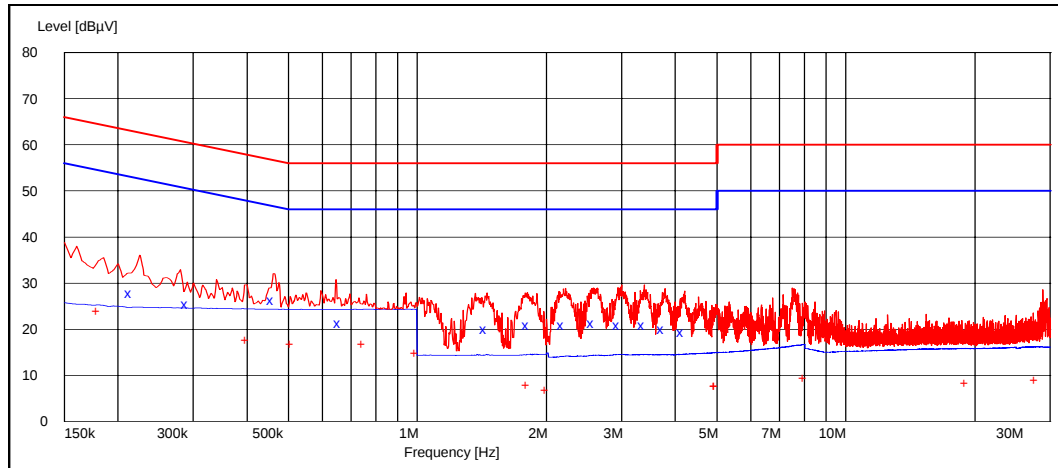
Where  $U_{RX}$  is receiver reading and  $A_{TOT}$  is total correction factor including cable and pulse limiter attenuations.

CISPR 22 Class B limits

| <b>Frequency range [MHz]</b> | <b>Quasi peak limit [dBμV]</b> | <b>Average limit [dBμV]</b> |
|------------------------------|--------------------------------|-----------------------------|
| 0.15 - 0.5                   | 66 - 56                        | 56 - 46                     |
| 0.5 - 5                      | 56                             | 46                          |
| 5 - 30                       | 60                             | 50                          |

## 5.2. FM TX Test results

Middle channel / 98.0 MHz



Quasi peak (RBW: 9 kHz)

| Frequency [MHz] | U [dBμV] | Line | Result |
|-----------------|----------|------|--------|
| 0.215000        | 27.90    | L1   | Pass   |
| 0.290000        | 25.50    | L1   | Pass   |
| 0.460000        | 26.30    | N    | Pass   |
| 0.660000        | 21.40    | L1   | Pass   |
| 1.445000        | 20.10    | N    | Pass   |
| 1.815000        | 21.00    | N    | Pass   |
| 2.195000        | 21.00    | N    | Pass   |
| 2.580000        | 21.30    | N    | Pass   |
| 2.955000        | 21.00    | N    | Pass   |
| 3.380000        | 20.80    | N    | Pass   |
| 3.750000        | 19.90    | N    | Pass   |
| 4.175000        | 19.30    | N    | Pass   |

Average (RBW: 9 kHz)

| Frequency [MHz] | U [dBμV] | Line | Result |
|-----------------|----------|------|--------|
| 0.180000        | 23.90    | L1   | Pass   |
| 0.400000        | 17.70    | N    | Pass   |
| 0.510000        | 16.70    | N    | Pass   |
| 0.750000        | 16.80    | L1   | Pass   |
| 0.995000        | 14.80    | N    | Pass   |
| 1.810000        | 7.90     | N    | Pass   |
| 2.005000        | 6.70     | N    | Pass   |
| 4.980000        | 7.70     | N    | Pass   |
| 4.990000        | 7.60     | N    | Pass   |
| 8.025000        | 9.40     | N    | Pass   |
| 19.125000       | 8.30     | N    | Pass   |
| 27.880000       | 9.00     | L1   | Pass   |

## 6. 26 dB bandwidth (FCC §15.239(a), RSS-210 A2.8)

|                                                 |                                   |
|-------------------------------------------------|-----------------------------------|
| EUT with DUT number                             | RM-484 DUT 25267                  |
| Accessories with DUT numbers                    | BL-5K DUT 25263, AC-10E DUT 25262 |
| Operation Voltage [V] / [Hz]                    | 115 / 60                          |
| Result                                          | Passed                            |
| Remarks                                         | Phone tested in slide open mode.  |
| Temp [°C] / Humidity [%RH] / Air Pressure [kPa] | 22.1 / 38 / 101.8                 |
| Date of measurements                            | 30-Mar-2009                       |
| Measured by                                     | Christian Andersen                |

### 6.1. Test method and limit

The measurement is made according to ANSI C63.4 and IC standard RSS-210.

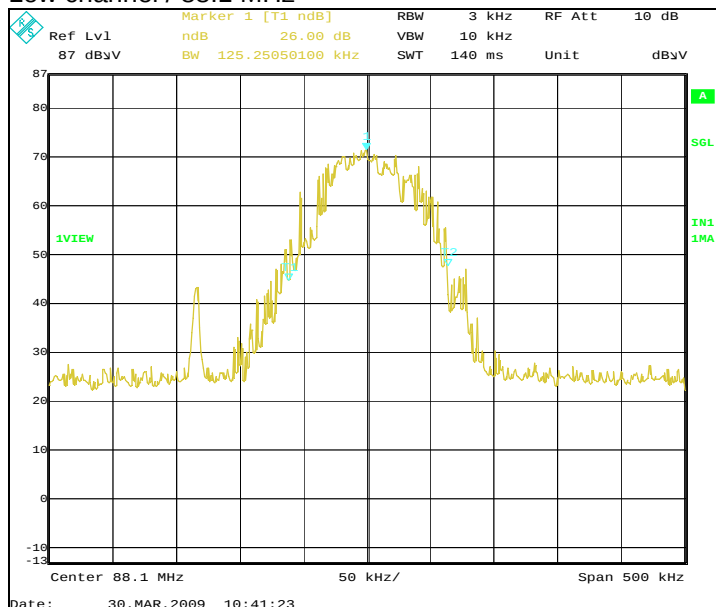
Limits for 26 dB bandwidth measurements

| Limit [kHz] |
|-------------|
| ≤ 200       |

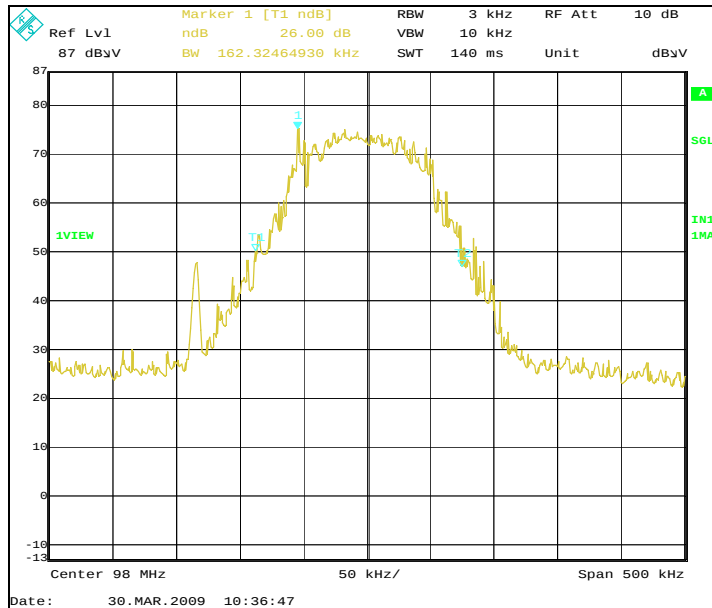
### 6.2. FM TX Test results

| Channel / f <sub>c</sub> [MHz] | 26 dB bandwidth [kHz] | Result |
|--------------------------------|-----------------------|--------|
| Low / 88.1                     | 125.251               | Passed |
| Middle / 98.0                  | 162.325               | Passed |
| High / 107.9                   | 163.327               | Passed |

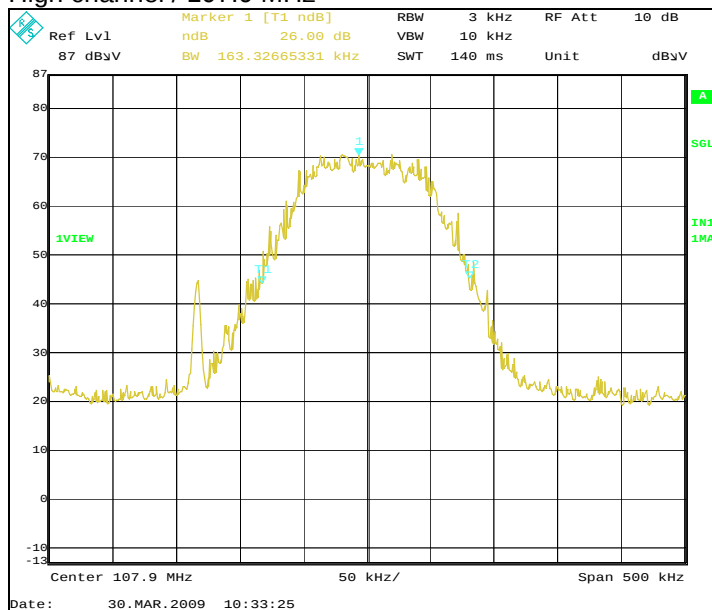
Low channel / 88.1 MHz



### Middle channel / 98.0 MHz



### High channel / 107.9 MHz



## 7. Test Equipment

### 7.1. Conducted measurements

| Eq. No | Equipment                                      | Type      | Manufacturer    | Used in            |
|--------|------------------------------------------------|-----------|-----------------|--------------------|
| 13037  | Power Supply 0-15V 10A                         | EA3012    | LP Instruments  | 15C, 15B           |
| 13513  | Pulse Limiter 9KHz-30MHz                       | ESH3Z2    | Rohde&Schwarz   | 15C, 15B           |
| 13666  | EMI Test Reciever 9KHz-2,5GHz                  | ESPC      | Rohde&Schwarz   | 15C, 15B           |
| 13935  | Two Lines Artificial Mains Network             | ESH3-Z5   | Rohde&Schwarz   | 15C, 15B           |
| 16995  | Directional Coupler 20dB 0,5-2,0 GHz SMA Conn. | 1538RA-20 | Weinschel       | 15C, 15B           |
| 18772  | Shielded Chamber                               | RFD-100   | ETS-Lindgren    | 15C, 15B           |
| 19171  | Universal Radio Communication Tester           | CMU200    | Rohde&Schwarz   | 15C, 15B           |
| 11386  | System DC Power Supply                         | HP6632A   | Hewlett Packard | 22/24/27, 15C, 15B |
| 19678  | Spectrum Analyzer 26 GHz                       | FSP       | Rohde&Schwarz   | 22/24/27, 15C, 15B |
| 16601  | Universal Radio Communication Tester           | CMU200    | Rohde&Schwarz   | 22/24/27, 15C, 15B |
| 19625  | Vötsch Climatic Chamber                        | VT4002EMC | Vötsch          | 22/24/27, 15C, 15B |
| 13357  | Rohde & Schwartz Signal Generator              | SMP02     | Rohde&Schwarz   | 22/24/27, 15C, 15B |
| 20168  | Bluetooth EDR Tester                           | CBT       | Rohde&Schwarz   | 22/24/27, 15C, 15B |

### 7.2. Radiated measurements

| Eq. No | Equipment                                      | Type          | Manufacturer  | Used in            |
|--------|------------------------------------------------|---------------|---------------|--------------------|
| 18416  | Universal Radio Communication Tester           | CMU200        | Rohde&Schwarz | 22/24/27, 15C, 15B |
|        | Programmable Relay Switching System            | -----         | Pickering     | 22/24/27, 15C, 15B |
| 15742  | Programmable Relay Switching System            | -----         | Pickering     | 22/24/27, 15C, 15B |
| 14020  | Power Supply Module Relay Switching System 45W | 10-910-002    | Pickering     | 22/24/27, 15C, 15B |
| 15743  | Power Supply Module Relay Switching System 50W | 10-910L-001   | Pickering     | 22/24/27, 15C, 15B |
| 16490  | RS-232/IEEE-488.2 Interface                    | 10-921-001    | Pickering     | 22/24/27, 15C, 15B |
|        | RS-232/IEEE-488.2 Interface                    | 10-921-001    | Pickering     | 22/24/27, 15C, 15B |
| 20078  | Relay 2x6 Chnl $\mu$ Wave Mux                  | 10-785B-522   | Pickering     | 22/24/27, 15C, 15B |
| 14021  | Relay Dual 6 Chnl $\mu$ Wave Mux               | 10-785-522    |               | 22/24/27, 15C, 15B |
|        | Relay Dual 6 Chnl $\mu$ Wave Mux               | 10-785-522    |               | 22/24/27, 15C, 15B |
| 17644  | Dual 6 Channel MUX Microwave Relay SMA 50 Ohm  | 10-785-522    | Pickering     | 22/24/27, 15C, 15B |
| 16948  | Dual 6 Channel MUX Microwave Relay SMA 50 Ohm  | 10-785-522    | Pickering     | 22/24/27, 15C, 15B |
| 16949  | Dual 6 Channel MUX Microwave Relay SMA 50 Ohm  | 10-785-522    | Pickering     | 22/24/27, 15C, 15B |
| 18792  | Multi Device Controller                        | 2090          | ETS-EMCO      | 22/24/27, 15C, 15B |
| 14963  | RF Preamplifier 100MHz-4GHz (Metal Chassis)    | AFS3-00100400 | Miteq/NMP Cph | 22/24/27, 15C, 15B |
| 18861  | EMI Test Receiver 20Hz-26,5GHz                 | ESI           | Rohde&Schwarz | 22/24/27, 15C, 15B |
| 20335  | Ultra Broadband Antenna Ultralog 30-3000MHz    | HL562         | Rohde&Schwarz | 22/24/27, 15C, 15B |
| 18773  | Shielded Chamber                               | RFD-100       | ETS-Lindgren  | 22/24/27, 15C, 15B |
| 18774  | Shielded Chamber                               | RFSD-F/A-100  | ETS-Lindgren  | 22/24/27, 15C, 15B |
| 19151  | High Pass Filter 3GHz                          | WHJS3000-10SS | Wainwright    | 22/24/27, 15C, 15B |

| Eq. No | Equipment                                   | Type                            | Manufacturer           | Used in            |
|--------|---------------------------------------------|---------------------------------|------------------------|--------------------|
|        | WHK3.0/18G-10ss                             |                                 |                        |                    |
| 13937  | Ultra Stable Notch Filter 850MHz            | WRCA902.4-0.2/40-6SS            | Wainwright Instruments | 22/24/27, 15C, 15B |
| 13936  | Ultra Stable Notch Filter 1747,5MHz         | WRCD1747.5-0.2/40-10SS          | Wainwright Instruments | 22/24/27, 15C, 15B |
| 14114  | Highpass filter                             | WHK1000-12SS                    | Wainwright Instruments | 22/24/27, 15C, 15B |
| 14188  | Ultra Stable Notch Filter 902,4MHz          | WRCA902.4-0.2/40-6SS            | Wainwright             | 22/24/27, 15C, 15B |
| 14187  | Ultra Stable Notch Filter 1747,5MHz         | WRCD1747.5-0.2/40-10SS          | Wainwright             | 22/24/27, 15C, 15B |
| 16633  | Ultra Stable Notch Filter 1880,0MHz         | WRCD1880.0-0.2/40-10SS          | Wainwright             | 22/24/27, 15C, 15B |
| 19587  | BT/WLAN Band Reject Filter                  | WRCG2400/2483-2390/2493-35/10SS | Wainwright             | 22/24/27, 15C, 15B |
| 20115  | WDCMA Band 2 filter                         |                                 | Wainwright             | 24, 15C, 15B       |
| 20114  | WDCMA Band 4 filter                         | WRCG1737/1743-1733/1747-40/6SS  | Wainwright             | 27, 15C, 15B       |
| 20116  | WDCMA Band 5&6 filter                       | WRCG832/83/-825/845-40/5SS      | Wainwright             | 22, 15C, 15B       |
| 18323  | Band reject filter 1947-1953MHz 40dB        | WRCG1947/1953-1940/1960-40/6SS  | Wainwright             | 22/24/27, 15C, 15B |
| 20031  | Double Ridged Broadband Horn                | BBHA 9120 D                     | SCHWARZBECK            | 22/24/27, 15C, 15B |
| 19966  | Magnetic Loop Antenna 9 kHz - 30 MHz        | HFH2-Z2                         | Rohde&Schwarz          | 15C, 15B           |
| 14993  | EMI Test Receiver 9KHz-2750MHz              | ESCS30                          | Rohde&Schwarz          | 22/24/27, 15C, 15B |
| 15191  | Turntable Contoller Unit                    | G-800SDX                        | YAESU                  | 22/24/27, 15C, 15B |
| 14900  | Antenna Controller                          | HD100                           | HD GmbH                | 22/24/27, 15C, 15B |
| 19374  | Resonant Dipole Antenna 850MHz SMA m Conn.  | -----                           | NMP Cph                | 22/24/27, 15C, 15B |
| 19375  | Resonant Dipole Antenna 1900MHz SMA m Conn. | -----                           | NMP Cph                | 22/24/27, 15C, 15B |
| 20168  | Bluetooth EDR Tester                        | CBT                             | Rohde&Schwarz          | 22/24/27, 15C, 15B |