

## FCC Part 15B Compliance Test Report

|                                                         |                                                                                                                                                                                                                                                                                                    |                                   |                                                                                                                                |
|---------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Report no.:</b>                                 | FCC15B_RM-1128_15.docx                                                                                                                                                                                                                                                                             | <b>Date of Report:</b>            | 09-Sep-2015                                                                                                                    |
| <b>Number of pages:</b>                                 | 12                                                                                                                                                                                                                                                                                                 | <b>Customer's Contact person:</b> | Tero Huhtala                                                                                                                   |
| <b>Testing laboratory:</b>                              | TCC Microsoft Beijing Laboratory<br>Beijing Economic and Technological Development Area<br>No.5 Donghuan Zhonglu<br>Beijing<br>PRC China 100176<br>Tel. +86 10 8711 8888<br>Fax. +86 10 8711 4550                                                                                                  | <b>Customer:</b>                  | Microsoft<br>P.O. Box 403<br>Visiokatu 4<br>FIN-33720 TAMPERE, FINLAND<br>Tel. +358 (0) 7180 46800<br>Fax. +358 (0) 7180 46880 |
| <b>FCC listing no.:</b>                                 | 975940                                                                                                                                                                                                                                                                                             |                                   |                                                                                                                                |
| <b>IC recognition no.:</b>                              | 661AH-1                                                                                                                                                                                                                                                                                            |                                   |                                                                                                                                |
| <b>Tested devices/ accessories:</b>                     | <b>Phone RM-1128 / Cover CC-3097 / Battery Samsung BL-T5A / Headset WH-108 / Data USB Cable CA-189CD / Laptop IBM T43 / Printer HP C6427A / AC-Adapter 02K6749</b>                                                                                                                                 |                                   |                                                                                                                                |
| <b>FCC ID:</b>                                          | PYARM-1128                                                                                                                                                                                                                                                                                         | <b>IC:</b>                        | 661X-RM1128                                                                                                                    |
| <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 (2014), CISPR 22 and IC standards, RSS-GEN (Issue 4, November 2014), RSS-133 (Issue 6, January 2013). 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 Microsoft.                                           |                                   |                                                                                                                                |
| <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>             |                                                                                                                                                                                                                                                                                                    |                                   |                                                                                                                                |

Gao Sherina, System Manager, EMC

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

|                               |                                                               |
|-------------------------------|---------------------------------------------------------------|
| Date of receipt               | 15-Jun-2015                                                   |
| Testing completed             | 06-Aug-2015                                                   |
| The customer's contact person | Tero Huhtala                                                  |
| Test Plan referred to         | T:\Projects\RM-1128\TestPlan\RS_TestPlan_RM-1128_EMC_FCC.xlsm |
| Notes                         | -                                                             |
| Document name                 | FCC15B_RM-1128_15.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.

Devices under tests

| Product        | Type           | SN                          | HW          | MV | SW                      | DUT    |
|----------------|----------------|-----------------------------|-------------|----|-------------------------|--------|
| Phone          | RM-1128        | 004402742351970             | 1510        | -  | 01065.00000.15265.37000 | 500100 |
| Cover          | CC-3097        | -                           | -           | -  | -                       | 500127 |
| Battery        | Samsung BL-T5A | 5241525213V10200063;0670778 | PWB Ver.1.1 | -  | -                       | 500101 |
| Headset        | WH-108         | -                           | -           | -  | -                       | 500121 |
| Data USB Cable | CA-189CD       | 07304542362K2F              | -           | -  | -                       | 54584  |
| Laptop         | IBM T43        | L3KXHL3                     | -           | -  | -                       | 52468  |
| Printer        | HP C6427A      | MY15B18156JJ                | -           | -  | -                       | 51838  |
| AC-Adapter     | 02K6749        | -                           | -           | -  | -                       | 53509  |

### 1.2. Summary of Test Results

#### GSM 1900:

| Section in CFR 47 | Section in RSS-GEN | Name of the test                 | Result |
|-------------------|--------------------|----------------------------------|--------|
| 15.107, a         | 8.8                | AC powerline conducted emissions | PASSED |
| 15.109, a         | 6.1                | 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 Microsoft Laboratory.

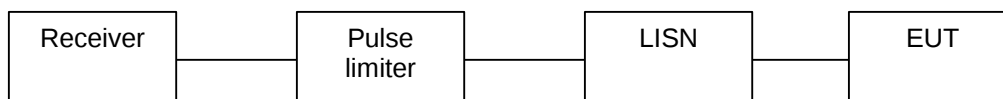
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## 2. AC powerline conducted emissions (FCC §15.107, a, RSS-GEN, section 8.8)

|                                                 |                                                                                                                                                             |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EUT with DUT number                             | RM-1128, DUT 500100                                                                                                                                         |
| Accessories with DUT numbers                    | CC-3097, DUT 500127 ; Samsung BL-T5A, DUT 500101; WH-108, DUT 500121 ; CA-189CD , DUT54584 ; IBM T43, DUT 52468 ; HP C6427A, DUT 51838 ; 02K6749, DUT 53509 |
| Operation Voltage [V] / [Hz]                    | 115 / 60                                                                                                                                                    |
| Results                                         | PASSED                                                                                                                                                      |
| Remarks                                         | Data was kept transferring between phone and computer.                                                                                                      |
| Temp [°C] / Humidity [%RH] / Air Pressure [kPa] | 22 / 65 / 100.2                                                                                                                                             |
| Date of measurements                            | 24-Jul-2015                                                                                                                                                 |
| Measured by                                     | Dou Rubo                                                                                                                                                    |

### 2.1. Test Setup



### 2.2. Test method and limit

The measurement is made according to ANSI C63.4-2014 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:

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

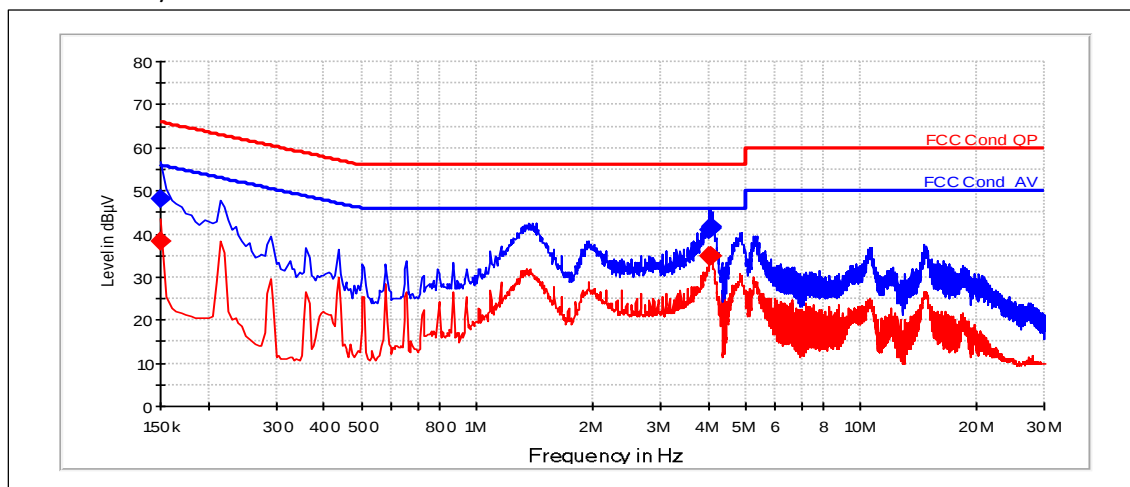
Where  $U_{RX}$  is receiver reading and  $A_{TOT}$  is total correction factor including cable and pulse limiter attenuations.

CISPR 22 Class B limits

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

## 2.3. GSM 1900 Test results

Channel 661 / 1880.0 MHz



QuasiPeak (RBW: 9 kHz)

| Frequency [MHz] | U [dBμV] | Line | Result |
|-----------------|----------|------|--------|
| 0.15            | 48.14    | N    | PASSED |
| 4.03            | 41.08    | N    | PASSED |
| 4.05            | 41.5     | N    | PASSED |
| 4.07            | 41.58    | N    | PASSED |

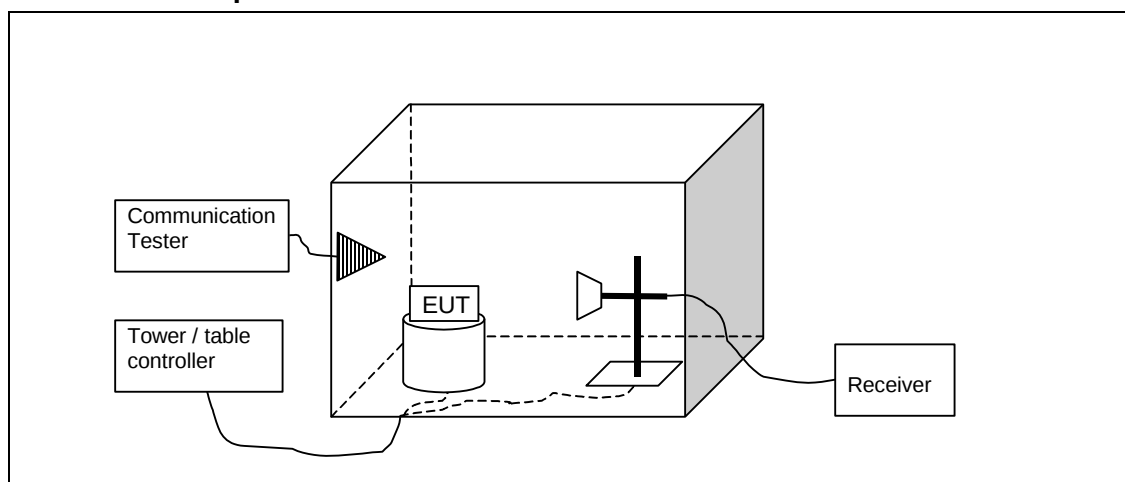
Average (RBW: 9 kHz)

| Frequency [MHz] | U [dBμV] | Line | Result |
|-----------------|----------|------|--------|
| 0.15            | 38.41    | L1   | PASSED |
| 4.04            | 34.7     | N    | PASSED |
| 4.05            | 34.71    | N    | PASSED |
| 4.07            | 35       | N    | PASSED |

### 3. Radiated emissions (FCC 15.109, a, RSS-133 6.1)

|                                                        |                                                                                                                                                             |
|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>EUT with DUT number</b>                             | RM-1128, DUT 500100                                                                                                                                         |
| <b>Accessories with DUT numbers</b>                    | CC-3097, DUT 500127 ; Samsung BL-T5A, DUT 500101; WH-108, DUT 500121 ; CA-189CD , DUT54584 ; IBM T43, DUT 52468 ; HP C6427A, DUT 51838 ; 02K6749, DUT 53509 |
| <b>Operation Voltage [V] / [Hz]</b>                    | 115 / 60                                                                                                                                                    |
| <b>Results</b>                                         | PASSED                                                                                                                                                      |
| <b>Remarks</b>                                         | Data was kept transferring between phone and computer.                                                                                                      |
| <b>Temp [°C] / Humidity [%RH] / Air Pressure [kPa]</b> | 21 / 65 / 100.5                                                                                                                                             |
| <b>Date of measurements</b>                            | 06-Aug-2015                                                                                                                                                 |
| <b>Measured by</b>                                     | Gao Sherina                                                                                                                                                 |

#### 3.1.1 Test setup



#### 3.2. Test method and limit

The measurement is made according to ANSI C63.4-2014as 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.

The measurement results are obtained as described below:

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

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

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

| Frequency range [MHz] | Quasi peak limit [dB $\mu$ V/m] | Average limit [dB $\mu$ V/m] | Peak limit [dB $\mu$ V/m] |
|-----------------------|---------------------------------|------------------------------|---------------------------|
| 30 - 230              | 40                              | -                            | -                         |
| 230 – 1000            | 47                              | -                            | -                         |
| 1000 - 3000           | -                               | 50                           | 70                        |
| Above 3000            | -                               | 54                           | 74                        |

### 3.3. GSM 1900 test results

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] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 3861.1          | 41.16      | 114.288  | 41.46                  | -0.3                  | 74             | 32.84  | PASSED  |
| 7719.6          | 49.61      | 302.343  | 39.01                  | 10.6                  | 74             | 24.39  | 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] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 3861.1          | 28.12      | 25.468   | 28.42                  | -0.3                  | 54             | 25.88  | PASSED  |
| 7719.6          | 36.19      | 64.491   | 25.59                  | 10.6                  | 54             | 17.81  | PASSED  |

RX mode, channel 661 / 1960.0 MHz

Quasi peak (RBW: 100 kHz, VBW: 100 kHz)

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 56.62           | 20.94      | 11.143   | 48.44                  | -27.5                 | 40             | 19.06  | PASSED  |
| 57.181          | 19.85      | 9.829    | 47.45                  | -27.6                 | 40             | 20.15  | PASSED  |
| 95.952          | 28.05      | 25.264   | 52.15                  | -24.1                 | 40             | 11.95  | PASSED  |
| 108.558         | 38.36      | 82.794   | 61.66                  | -23.3                 | 40             | 1.64   | PASSED  |
| 171.553         | 25.59      | 19.033   | 50.39                  | -24.8                 | 40             | 14.41  | PASSED  |
| 195.793         | 30.7       | 34.277   | 55.2                   | -24.5                 | 40             | 9.3    | PASSED  |
| 212.386         | 35.9       | 62.373   | 59.5                   | -23.6                 | 40             | 4.1    | PASSED  |
| 256.881         | 29.2       | 28.84    | 51.2                   | -22                   | 47             | 17.8   | PASSED  |
| 257.445         | 29.06      | 28.379   | 51.06                  | -22                   | 47             | 17.94  | PASSED  |
| 796.283         | 32.53      | 42.316   | 43.53                  | -11                   | 47             | 14.47  | 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] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 3919.5          | 40.88      | 110.662  | 41.18                  | -0.3                  | 74             | 33.12  | PASSED  |
| 7839            | 49.97      | 315.137  | 38.97                  | 11                    | 74             | 24.03  | PASSED  |
| 7821.745        | 49.94      | 314.051  | 39.04                  | 10.9                  | 74             | 24.06  | PASSED  |
| 7833.068        | 50.08      | 319.154  | 39.08                  | 11                    | 74             | 23.92  | PASSED  |
| 7851.701        | 50.56      | 337.287  | 39.56                  | 11                    | 74             | 23.44  | PASSED  |
| 7857.613        | 50.14      | 321.366  | 39.14                  | 11                    | 74             | 23.86  | 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] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 3919.5          | 27.84      | 24.66    | 28.14                  | -0.3                  | 54             | 26.16  | PASSED  |
| 7839            | 36.87      | 69.743   | 25.87                  | 11                    | 54             | 17.13  | PASSED  |
| 7821.745        | 36.7       | 68.391   | 25.8                   | 10.9                  | 54             | 17.3   | PASSED  |
| 7833.068        | 36.85      | 69.582   | 25.85                  | 11                    | 54             | 17.15  | PASSED  |
| 7851.701        | 36.89      | 69.904   | 25.89                  | 11                    | 54             | 17.11  | PASSED  |
| 7857.613        | 36.98      | 70.632   | 25.98                  | 11                    | 54             | 17.02  | 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] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 3981.3          | 41.72      | 121.899  | 41.82                  | -0.1                  | 74             | 32.28  | PASSED  |
| 7959.2          | 50.52      | 335.738  | 39.02                  | 11.5                  | 74             | 23.48  | 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] | Limit [dBμV/m] | Margin | Results |
|-----------------|------------|----------|------------------------|-----------------------|----------------|--------|---------|
| 3981.3          | 27.95      | 24.975   | 28.05                  | -0.1                  | 54             | 26.05  | PASSED  |
| 7959.2          | 37.14      | 71.945   | 25.64                  | 11.5                  | 54             | 16.86  | PASSED  |

## 4. Test Equipment

### 4.1. Conducted measurements

| Eq. No      | Equipment                              | Type                | Manufacturer            | Used in            |
|-------------|----------------------------------------|---------------------|-------------------------|--------------------|
| -           | BT / WLAN Antenna                      | SPA 2400/75/9/0/V   | Huber-Suhner            | 15C, 15B           |
| -           | BT / WLAN Antenna                      | SPA 2400/75/9/0/V   | Huber-Suhner            | 15C, 15B           |
| -           | RF Emission Software                   | EMC32 Test Software | R&S                     | 22/24/27, 15C, 15B |
| BJPCHW0020  | DC Power supply                        | HP6632B             | HP                      | 22/24/27, 15C      |
| BJPCPT0040  | Receiver                               | ESCS30              | R&S                     | 15C,15B            |
| BJPCPT0069  | LISN 50 $\mu$ H                        | ESH3-Z5             | R&S                     | 15C,15B            |
| BJPCTC0323  | Signal Generator                       | SMR 27              | R&S                     | 22/24/27, 15C, 15B |
| BJPCPT0073  | Signal Generator                       | SMR 20              | R&S                     | 22/24/27, 15C, 15B |
| BJPCPT0191  | Pulse Limiter                          | ESH3-Z2             | R&S                     | 15C,15B            |
| BJPCPT0208  | UPS                                    | PULSAR RX10         | Merlin gerin            | 15C,15B            |
| BJPCTC0001  | DIGITAL CAMERA                         | PC1015              | CANON                   | 15C,15R            |
| BJPCTC0017  | Communication Tester                   | CMU200              | R&S                     | 22/24/27, 15C, 15B |
| BJPCTC0062  | AC Power source                        | 6812B               | HP                      | 15C,15B            |
| BJPCTC0067  | Bluetooth Tester                       | CBT                 | R&S                     | 22/24/27, 15C      |
| BJPCTC0082  | Humidity and Temperature Sensor        | 175-H2              | Testo                   | 15B,15C            |
| BJPCTC0088  | Absolut pressure meter                 | testo 511           | Testo                   | 22/24/27, 15B,15C  |
| BJPCTC0089  | Tempreture Test chamber                | VT4002              | Votsch industrietechnik | 22/24/27, 15C      |
| BJPCTC0090  | FSP spectrum analyzer                  | FSP30               | R&S                     | 22/24/27, 15C      |
| BJPCTC0094  | GPIO-RS232 convertor                   | GPIO-RS232          | NI                      | 22/24/27, 15C      |
| BJPCTC0112  | Power Splitter                         | 11667B              | Agilent                 | 22/24/27, 15C      |
| BJPCTC0127  | AC Power source                        | SOYI-500VA          | SOYI                    | 15B 15C            |
| BJPCTC0128  | Communication antenna                  | JXTXLB-10180        | A-INFOMW                | 22/24/27 15B 15C   |
| BJPCTC0129  | Communication antenna                  | JXTXLB-10180        | A-INFOMW                | 22/24/27 15B 15C   |
| BJPCTC0131  | Communication tester                   | CMW500              | R&S                     | 22/24/27 15B 15C   |
| BJPCTC0136  | Communication antenna                  | JXTXLB-880-NF       | A-INFOMW                | 15B 15C            |
| BJPCTC0306  | Power Splitter                         | 11667B              | Agilent                 | 22/24/27, 15C      |
| BJPCTC0305  | GPIO converter                         | GPIO-RS232          | NI                      | 22/24/27, 15C      |
| BJPCTC0304  | Spectrum Analyser                      | FSV30               | R&S                     | 22/24/27, 15C      |
| BJPCTC0309  | GPIO-RS232 convertor                   | RS232               | NI                      | 22/24/27, 15C      |
| BJPCTC0307  | Dual channel battery/charger simulator | 2306                | KEITHLEY                | 22/24/27, 15C      |
| BJPCTC0308  | Dual channel battery/charger simulator | 2306                | KEITHLEY                | 22/24/27, 15C      |
| BJPCTC0352  | Signal Generator 20GHz                 | MG3692B             | Anritsu                 | 22/24/27, 15C      |
| BJBDATC0169 | Tempreture Test chamber                | VT4002              | Votsch                  | 22/24/27, 15C      |
| BJPCTC0334  | Communication Tester                   | CMU200              | R&S                     | 22/24/27, 15C, 15B |
| BJPCTC0342  | Communication Tester                   | CMU200              | R&S                     | 15B, 15C           |
| BJPCTC0343  | Power Splitter                         | 1167A               | Agilent                 | EN300328           |
| BJPCTC0344  | Power Splitter                         | 1167A               | Agilent                 | EN300328           |
| BJPCTC0345  | Power Splitter                         | 1167A               | Agilent                 | EN300328           |
| BJPCTC0346  | Attenuator                             | 8496A               | Agilent                 | EN300328           |
| BJPCTC0347  | Directional Coupler                    | 4226-20             | Narda                   | EN300328           |
| BJPCTC0348  | Signal generator                       | E4438C              | Agilent                 | EN300328           |
| BJPCTC0336  | Signal Generator                       | SMP22               | R&S                     | 22/24/27, 15C      |
| BJPCTC0357  | Signal Generator                       | SMB100A             | R&S                     | -                  |

### 4.2. Radiated measurements

| Eq. No     | Equipment            | Type                | Manufacturer | Used in            |
|------------|----------------------|---------------------|--------------|--------------------|
| -          | BT / WLAN Antenna    | SPA 2400/75/9/0/V   | Huber-Suhner | 15C, 15B           |
| -          | BT / WLAN Antenna    | SPA 2400/75/9/0/V   | Huber-Suhner | 15C, 15B           |
| -          | RF Emission Software | EMC32 Test Software | R&S          | 22/24/27, 15C, 15B |
| BJPCPT0072 | Receiver             | ESIB26              | R&S          | 22/24/27, 15C, 15B |

| Eq. No     | Equipment                       | Type                              | Manufacturer                        | Used in            |
|------------|---------------------------------|-----------------------------------|-------------------------------------|--------------------|
| BJPCPT0150 | High Pass Filter                | WHKS1200-10SS                     | Wainwright                          | 22/24/27, 15C, 15B |
| BJPCPT0151 | Band Reject Filter              | WRCD1880/2000-0.2/40-5SSK         | Wainwright                          | 24, 15B            |
| BJPCPT0154 | Band Reject Filter              | WRCT2402/2480-2400/2483.5-30-20SS | Wainwright                          | 15C, 15B           |
| BJPCPT0166 | Antenna                         | VUBA 9117                         | Swarzbeck                           | 22/24/27           |
| BJPCPT0208 | UPS                             | PULSAR RX10                       | Merlin gerin                        | 15C.15B            |
| BJPCTC0001 | DIGITAL CAMERA                  | PC1015                            | CANON                               | 15C.15R            |
| BJPCTC0007 | Antenna                         | HL562                             | R&S                                 | 22/24/27, 15C, 15B |
| BJPCTC0029 | Antenna                         | HF906                             | R&S                                 | 22/24/27, 15C, 15B |
| BJPCTC0034 | Band Reject Filter              | WRCT 800/880-0.2/40-5SSK          | Wainwright                          | 22, 15B            |
| BJPCTC0049 | Preamplifier                    | Blma 0118-1A-Bt                   | Bonn                                | 22/24/27, 15C, 15B |
| BJPCTC0055 | Communication Tester            | CMU200                            | R&S                                 | 22/24/27,15C,15B   |
| BJPCTC0058 | Bluetooth Tester                | CBT                               | R&S                                 | 15C, 15B           |
| BJPCTC0062 | AC Power source                 | 6812B                             | Hp                                  | 15C.15B            |
| BJPCTC0064 | Band Reject Filter              | WRCG1877/1883-1870/1890-40/6SS    | Wainwright                          | 24, 15B            |
| BJPCTC0071 | Multi-Device Controller         | 2090                              | EMCO                                | 22/24/27, 15C, 15B |
| BJPCTC0072 | Anechoic Chamber                | 3 m Semi / Full Anechoic Chamber  | ETS                                 | 22/24/27, 15C, 15B |
| BJPCTC0073 | MAST                            | Model-TR/POL                      | ETS                                 | 22/24/27, 15C, 15B |
| BJPCTC0074 | MAST                            | Model 2070-2                      | ETS                                 | 22/24/27, 15C, 15B |
| BJPCTC0075 | Turntable                       | Model 2188                        | ETS-EMCO                            | 22/24/27, 15C, 15B |
| BJPCTC0081 | Humidity and Temperature Sensor | 175-H2                            | Testo                               | 15B, 15C           |
| BJPCTC0088 | Absolut pressure meter          | testo 511                         | Testo                               | 22/24/27, 15B,15C  |
| BJPCTC0124 | Attenuator                      | SA18N200W-40                      | Fairview Microwave                  | -                  |
| BJPCTC0125 | Loop Antenna                    | HFH2-Z2                           | R&S                                 | 15C                |
| BJPCTC0126 | Tripod                          | FHU-Z                             | R&S                                 | 15C                |
| BJPCTC0128 | Communication antenna           | JTXSLB-10180                      | A-INFOMW                            | 22/24/27 15B 15C   |
| BJPCTC0129 | Communication antenna           | JTXSLB-10180                      | A-INFOMW                            | 22/24/27 15B 15C   |
| BJPCTC0131 | Communication tester            | CMW500                            | R&S                                 | 22/24/27 15B 15C   |
| BJPCTC0133 | Open Swith and contril unit     | OSP 150                           | R&S                                 | 15B,15C            |
| BJPCTC0134 | Open Swith and contril unit     | OSP 150                           | R&S                                 | 15B,15C            |
| BJPCTC0135 | Open Swith and contril unit     | OSP 130                           | R&S                                 | 15B,15C            |
| BJPCTC0136 | Communication antenna           | JTXSLB-880-NF                     | A-INFOMW                            | 15B 15C            |
| BJPCTC0171 | Broad-band Horn Antenna         | BBHA9120 D                        | SCHWARZBECK<br>MESS -<br>ELEKTRONIK | 22/24/27, 15C, 15B |
| BJPCTC0310 | Horn Antenna                    | QSH20SMA                          | Q-par                               | 22/24/27, 15C, 15B |
| BJPCTC0311 | Horn Antenna                    | QSH18SMA                          | Q-par                               | 22/24/27, 15C, 15B |
| BJPCTC0312 | Relay Switch Unit               | -                                 | -                                   | 22/24/27, 15C, 15B |
| BJPCTC0313 | High Pass Filter                | WHKX1.0/15G-12SS                  | Wainwright                          | 22/24/27, 15C, 15B |
| BJPCTC0314 | High Pass Filter                | WHKX8.0/18G-88SS                  | Wainwright                          | 22/24/27, 15C, 15B |
| BJPCTC0315 | High Pass Filter                | WHKX3.0/18G-12SS                  | Wainwright                          | 22/24/27, 15C, 15B |
| BJPCTC0316 | Preamplifier                    | AMT-5F-18002550-25-108            | -                                   | 22/24/27, 15C, 15B |
| BJPCTC0317 | Preamplifier                    | AMF-6D-02001800-29-20P            | -                                   | 22/24/27, 15C, 15B |
| BJPCTC0350 | Preamplifier                    | AMF-4D-01000800-30-29P            | Miteq                               | 22/24/27, 15C, 15B |
| BJPCTC0324 | Preamplifier                    | AFS4-00100300-20-23P-6            | Miteq                               | 22/24/27, 15C, 15B |
| BJPCTC0329 | Relay Switch Unit               | -                                 | -                                   | 22/24/27, 15C, 15B |
| BJPCTC0334 | Communication Tester            | CMU200                            | R&S                                 | 22/24/27, 15C, 15B |
| BJPCTC0342 | Communication Tester            | CMU200                            | R&S                                 | 15B, 15C           |
| BJPCTC0349 | Preamplifier                    | AMF-4D-01000800-30-79P            | Miteq                               | 22/24/27, 15C, 15B |

| Eq. No     | Equipment    | Type                   | Manufacturer | Used in            |
|------------|--------------|------------------------|--------------|--------------------|
| BJPCTC0350 | Preamplifier | AMF-4D-01000800-30-29P | Miteg        | 22/24/27, 15C, 15B |
| BJPCTC0351 | Preamplifier | AFS4-00101800          | -            | 22/24/27, 15C, 15B |
| BJPCTC0113 | Receiver     | ESI B26                | R&S          | 22/24/27, 15B, 15C |