

## FCC Part 15C Compliance Test Report

|                                                         |                                                                                                                                                                                                                                                                                 |                                   |                                                                                                                                                                            |
|---------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Report no.:</b>                                 | FCC15CBTLE_RM-1040_15.docx                                                                                                                                                                                                                                                      | <b>Date of Report:</b>            | 20-Aug-2014                                                                                                                                                                |
| <b>Number of pages:</b>                                 | 20                                                                                                                                                                                                                                                                              | <b>Customer's Contact person:</b> | Hu Helen                                                                                                                                                                   |
| <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>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>FCC listing no.:</b>                                 | 975940                                                                                                                                                                                                                                                                          |                                   |                                                                                                                                                                            |
| <b>IC recognition no.:</b>                              | 661AH-1                                                                                                                                                                                                                                                                         |                                   |                                                                                                                                                                            |
| <b>Tested devices/ accessories:</b>                     | <b>Phone RM-1040 / Battery Samsung BV-T5A / Wireless charger cover CC-3086 / AC-Charger AC-20E / Headset WH-108</b>                                                                                                                                                             |                                   |                                                                                                                                                                            |
| <b>FCC ID:</b>                                          | QTLRM-1040                                                                                                                                                                                                                                                                      | <b>IC:</b>                        |                                                                                                                                                                            |
| <b>Supplement reports:</b>                              | -                                                                                                                                                                                                                                                                               |                                   |                                                                                                                                                                            |
| <b>Testing has been carried out in accordance with:</b> | CFR 47, FCC rules Part 15 Subpart C, ANSI C63.4 (2003), DTS procedures KDB 558074, IC standards, RSS-210 (Issue 8, December 2010). 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, Engineer, EMC

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

|                               |                                                       |
|-------------------------------|-------------------------------------------------------|
| Date of receipt               | 07-Jul-2014                                           |
| Testing completed             | 11-Jul-2014                                           |
| The customer's contact person | Hu Helen                                              |
| Test Plan referred to         | T:\Projects\RM-1038\TestPlan\RS_testplan_RM-1038.xlsm |
| Notes                         | -                                                     |
| Document name                 | FCC15CBTLE_RM-1040_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-1038        | 004402479235842             | 0201     | -  | 02030.00000.14244.22000 | 54428 |
| Battery                | Samsung BV-T5A | 4175354224C10106893;0670738 | Proto V5 | -  | -                       | 54452 |
| AC-Charger             | AC-20E         | 4868672472430500265;0675628 | -        | -  | -                       | 54463 |
| Headset                | WH-108         | 3022D71                     | -        | -  | -                       | 54459 |
| Phone                  | RM-1038        | 004402479233310             | 0201     | -  | 02030.00000.14244.22000 | 54435 |
| Battery                | Samsung BV-T5A | 4175354224C10106730;0670738 | Proto V5 | -  | -                       | 54453 |
| AC-Charger             | AC-20E         | 4868672472430500341;0675628 | -        | -  | -                       | 54462 |
| Headset                | WH-108         | 3022D71                     | -        | -  | -                       | 54456 |
| Wireless charger cover | CC-3086        | 040-121531                  | -        | -  | -                       | 54439 |

### 1.2. Summary of Test Results

Bluetooth Low Energy:

| Section in CFR 47    | Section in RSS-GEN or RSS-210 | Name of the test                     | Result |
|----------------------|-------------------------------|--------------------------------------|--------|
| 15.247(b)(1)         | A8.4(4)                       | Conducted peak output power          | PASSED |
| 15.247(d), 15.205(b) | A8.5                          | Band edge compliance of RF emissions | NP     |
| 15.247(d)            | A8.5                          | Spurious RF conducted emissions      | PASSED |
| 15.247(d), 15.209    | A8.5                          | Spurious radiated emissions          | NP     |
| 15.207               | 7.2.4                         | AC powerline conducted emissions     | PASSED |
| 15.247(a)(2)         | A8.2(a)                       | 6dB(bandwidth)                       | PASSED |
| 15.247(e)            | A8.2(b)                       | Power spectral density               | 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.

The test results of QTLRM-1038 are re-used for certification of the QTLRM-1040. The table above indicates the results, which will be re-used.

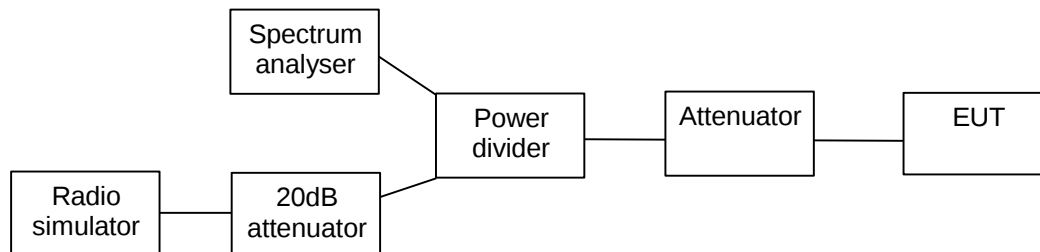
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## 2. Conducted peak output power (FCC §15.247(b)(1), RSS-210 A8.4(4))

|                                                        |                                                                    |
|--------------------------------------------------------|--------------------------------------------------------------------|
| <b>EUT with DUT number</b>                             | RM-1038, DUT 54428                                                 |
| <b>Accessories with DUT numbers</b>                    | Samsung BV-T5A , DUT 54452 ; AC-20E, DUT 54463 ; WH-108, DUT 54459 |
| <b>Operation Voltage [V] / [Hz]</b>                    | Nominal                                                            |
| <b>Results</b>                                         | PASSED                                                             |
| <b>Remarks</b>                                         | Test was done in RF1 system.                                       |
| <b>Temp [°C] / Humidity [%RH] / Air Pressure [kPa]</b> | 23/52/100                                                          |
| <b>Date of measurements</b>                            | 12-Jul-2014                                                        |
| <b>Measured by</b>                                     | Gao Sherina                                                        |

### 2.1. Test Setup



### 2.2. Test method and limit

The measurement is made according to DTS procedures KDB 558074 and IC standard RSS-210.

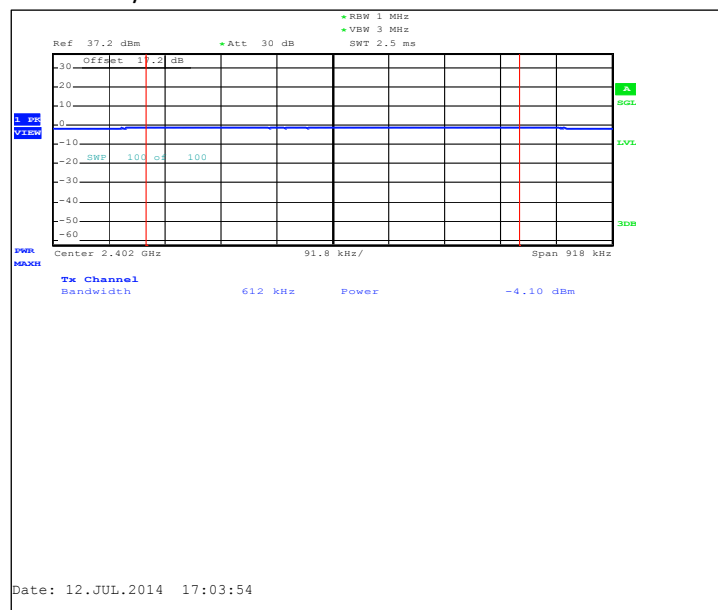
Limits for conducted peak output power measurements

| Frequency range [MHz]        | Limit [W] | Limit [dBm] |
|------------------------------|-----------|-------------|
| 2400 – 2483.5<br>5725 - 5850 | <= 1      | <= 30       |

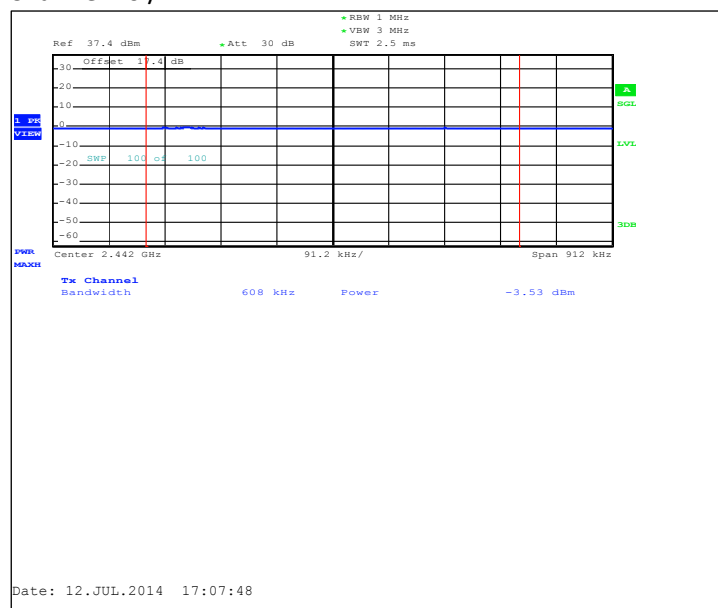
## 2.3. Bluetooth Low Energy Test results

| Channel / $f_c$ [MHz] | P [dBm] | P [mW] | Result |
|-----------------------|---------|--------|--------|
| 0 / 2402              | -4.1    | 0.389  | PASSED |
| 20 / 2442             | -3.53   | 0.444  | PASSED |
| 39 / 2480             | -3.5    | 0.447  | PASSED |

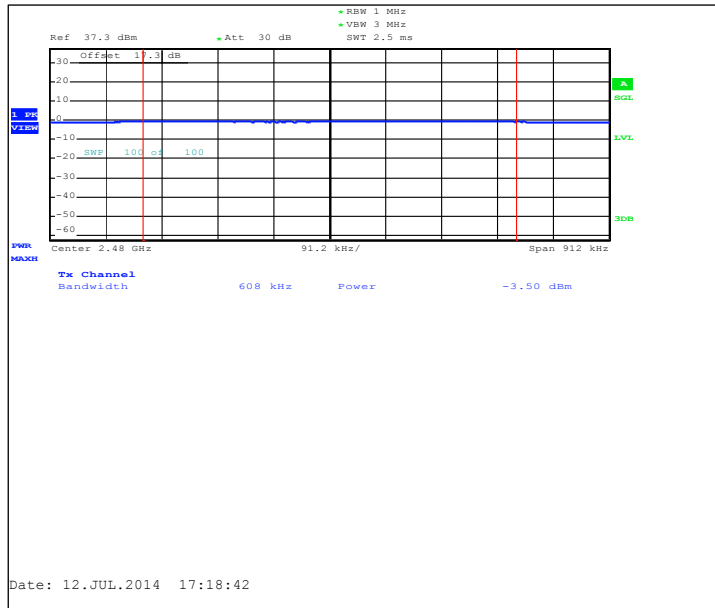
### Channel 0 / 2402 MHz



### Channel 20 / 2442 MHz



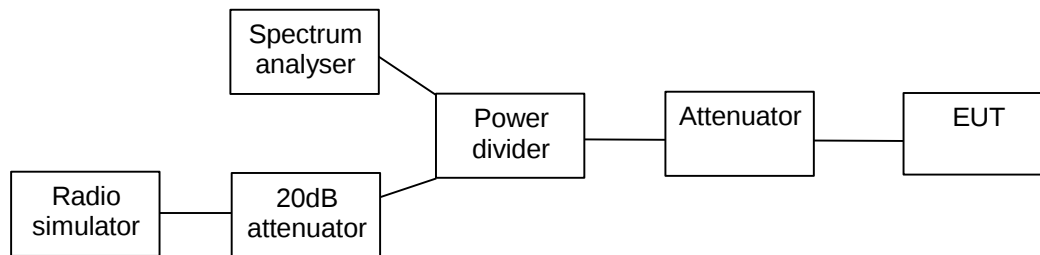
## Channel 39 / 2480 MHz



### 3. Spurious RF conducted emissions (FCC §15.247(d), RSS-210 A8.5)

|                                                        |                                                                    |
|--------------------------------------------------------|--------------------------------------------------------------------|
| <b>EUT with DUT number</b>                             | RM-1038, DUT 54428                                                 |
| <b>Accessories with DUT numbers</b>                    | Samsung BV-T5A , DUT 54452 ; AC-20E, DUT 54463 ; WH-108, DUT 54459 |
| <b>Operation Voltage [V] / [Hz]</b>                    | Nominal                                                            |
| <b>Results</b>                                         | PASSED                                                             |
| <b>Remarks</b>                                         | Test was done in RF1 system.                                       |
| <b>Temp [°C] / Humidity [%RH] / Air Pressure [kPa]</b> | 23/52/100                                                          |
| <b>Date of measurements</b>                            | 12-Jul-2014                                                        |
| <b>Measured by</b>                                     | Gao Sherina                                                        |

#### 3.1. Test Setup



#### 3.2. Test method and limit

The measurement is made according to Public notice KDB 558 074 and IC standard RSS-210.

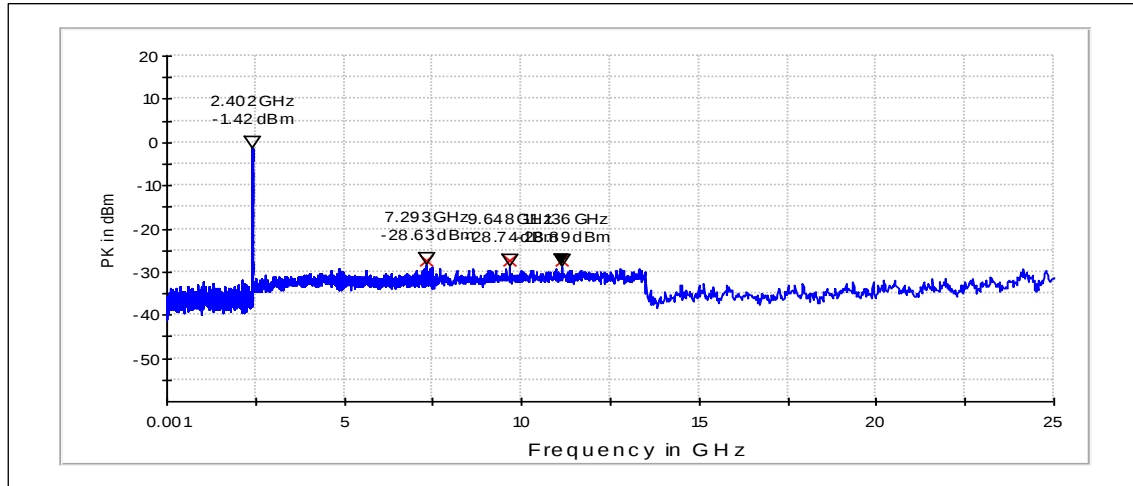
The reference level for the -20 dBc measurement was obtained as instructed in section 11.2 of the KDB 558074, using span of 1.5 times the OBW.

Limits for spurious RF conducted emissions measurements

| Frequency range [MHz] | Limit [dBc] |
|-----------------------|-------------|
| 1 – 25000             | <= -20      |

### 3.3. Bluetooth Low Energy Test results

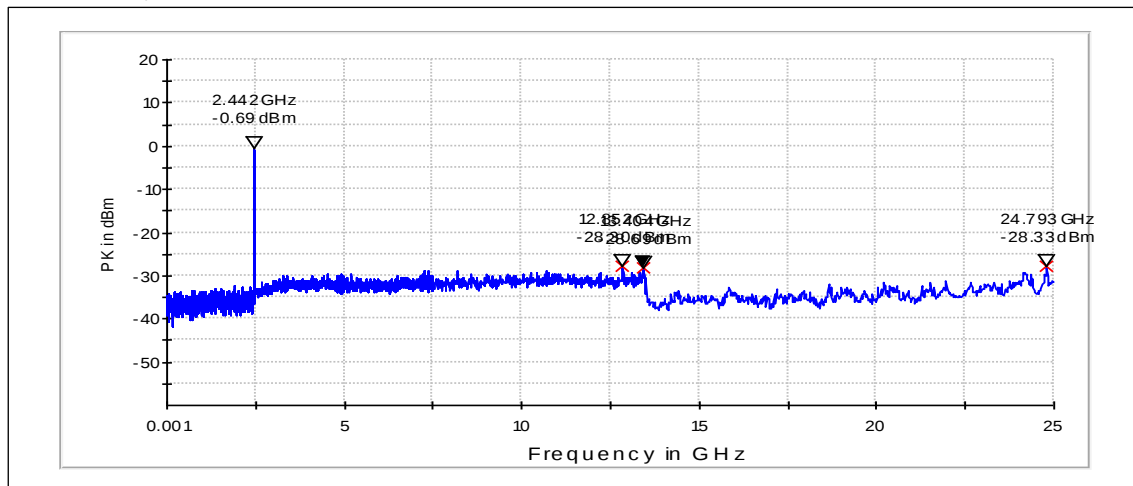
Channel 0 / 2402 MHz



Peak (RBW: 100 kHz, VBW: 300 kHz)

| Frequency [MHz] | P [dBc] | Result |
|-----------------|---------|--------|
| 7293.000        | -27.21  | PASSED |
| 9648.000        | -27.32  | PASSED |
| 11136.000       | -27.47  | PASSED |

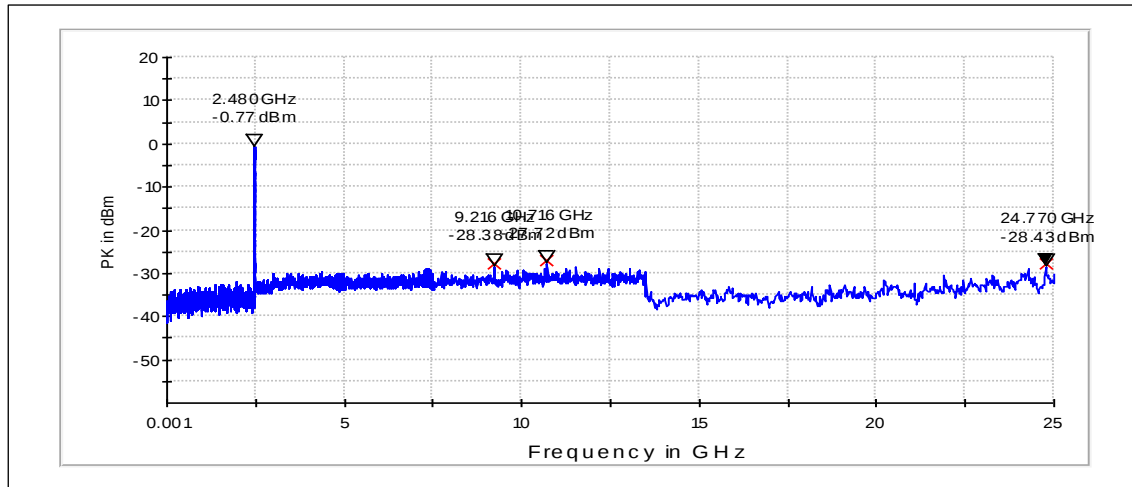
Channel 20 / 2442 MHz



Peak (RBW: 100 kHz, VBW: 300 kHz)

| Frequency [MHz] | P [dBc] | Result |
|-----------------|---------|--------|
| 12852.000       | -27.60  | PASSED |
| 24793.000       | -27.64  | PASSED |
| 13404.000       | -28.00  | PASSED |

Channel 39 / 2480 MHz



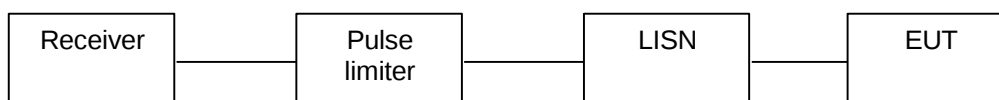
Peak (RBW: 100 kHz, VBW: 300 kHz)

| Frequency [MHz] | P [dBc] | Result |
|-----------------|---------|--------|
| 10716.000       | -26.96  | PASSED |
| 9216.000        | -27.62  | PASSED |
| 24770.000       | -27.67  | PASSED |

#### 4. AC powerline conducted emissions (FCC §15.207, RSS-210 7.2.2)

|                                                 |                                                                                         |
|-------------------------------------------------|-----------------------------------------------------------------------------------------|
| EUT with DUT number                             | RM-1038, DUT 54435                                                                      |
| Accessories with DUT numbers                    | Samsung BV-T5A , DUT 54453 ; AC-20E, DUT 54462 ; WH-108, DUT 54456 ; CC-3086, DUT 54439 |
| Operation Voltage [V] / [Hz]                    | 115/60                                                                                  |
| Results                                         | PASSED                                                                                  |
| Remarks                                         | -                                                                                       |
| Temp [°C] / Humidity [%RH] / Air Pressure [kPa] | 24/61/99.9                                                                              |
| Date of measurements                            | 08-Jul-2014                                                                             |
| Measured by                                     | Dou Rubo                                                                                |

##### 4.1. Test Setup



##### 4.2. Test method and limit

The measurement is made according to procedure KDB 558074 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:

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

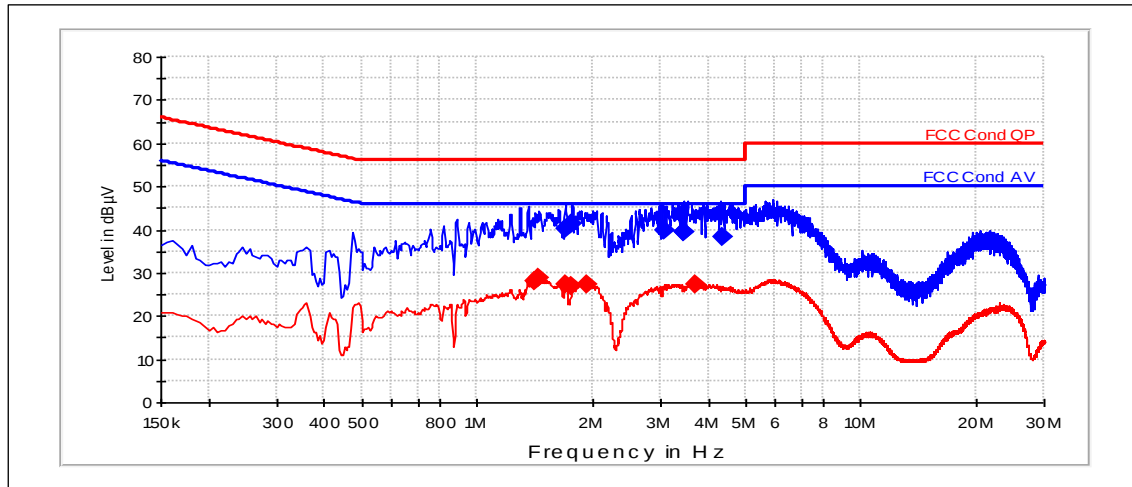
Where  $U_{RX}$  is receiver reading and  $A_{TOT}$  is total correction factor including cable and pulse limiter attenuations.

CISPR 22 Class B limits

| 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                   |

### 4.3. Bluetooth Low Energy Test results

Channel 20 / 2442 MHz



QuasiPeak (RBW: 9 kHz)

| Frequency [MHz] | U [dBµV] | Line | Result |
|-----------------|----------|------|--------|
| 1.705           | 40.04    | N    | PASSED |
| 1.77            | 41.15    | L1   | PASSED |
| 3.06            | 39.84    | N    | PASSED |
| 3.46            | 39.39    | L1   | PASSED |
| 3.47            | 39.53    | N    | PASSED |
| 4.34            | 38.42    | L1   | PASSED |

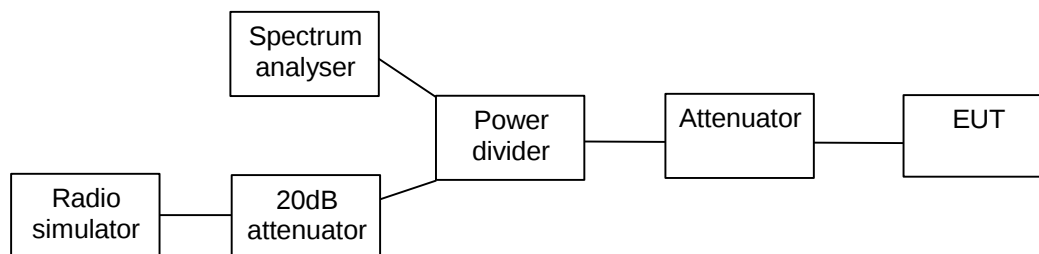
Average (RBW: 9 kHz)

| Frequency [MHz] | U [dBµV] | Line | Result |
|-----------------|----------|------|--------|
| 1.42            | 28.05    | N    | PASSED |
| 1.45            | 28.68    | L1   | PASSED |
| 1.705           | 27.12    | L1   | PASSED |
| 1.77            | 27.03    | N    | PASSED |
| 1.94            | 27.37    | N    | PASSED |
| 3.695           | 27.15    | L1   | PASSED |

## 5. 6dB(bandwidth) (FCC §15.247(a)(2), RSS-210 A8.2(a))

|                                                        |                                                                    |
|--------------------------------------------------------|--------------------------------------------------------------------|
| <b>EUT with DUT number</b>                             | RM-1038, DUT 54428                                                 |
| <b>Accessories with DUT numbers</b>                    | Samsung BV-T5A , DUT 54452 ; AC-20E, DUT 54463 ; WH-108, DUT 54459 |
| <b>Operation Voltage [V] / [Hz]</b>                    | Nominal                                                            |
| <b>Results</b>                                         | PASSED                                                             |
| <b>Remarks</b>                                         | Test was done in RF1 system.                                       |
| <b>Temp [°C] / Humidity [%RH] / Air Pressure [kPa]</b> | 23/52/100                                                          |
| <b>Date of measurements</b>                            | 12-Jul-2014                                                        |
| <b>Measured by</b>                                     | Gao Sherina                                                        |

### 5.1. Test Setup



### 5.2. Test method and limit

The measurement is made according to DTS procedures KDB 558074 and IC standard RSS-210.

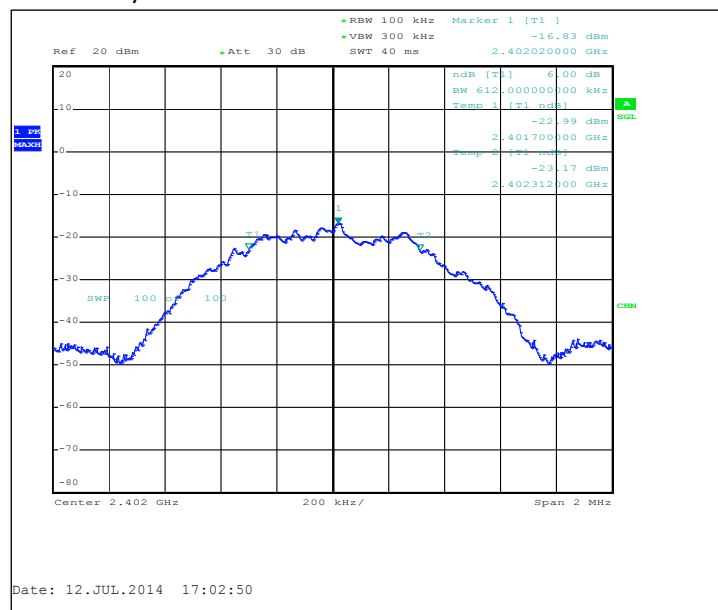
Limits for 6 dB bandwidth measurements

| Limit [kHz] |
|-------------|
| >= 500      |

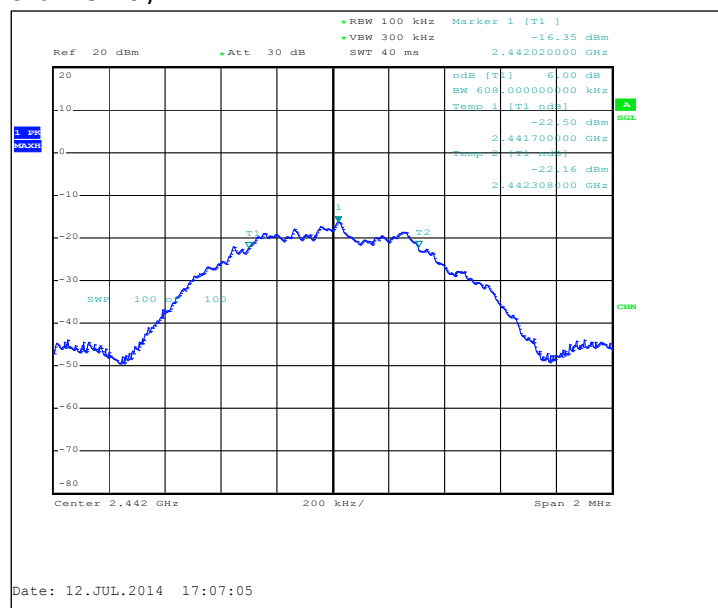
### 5.3. Bluetooth Low Energy Test results

| Channel / f <sub>c</sub> [MHz] | 6 dB bandwidth [kHz] | Result |
|--------------------------------|----------------------|--------|
| 0 / 2402                       | 612                  | PASSED |
| 20 / 2442                      | 608                  | PASSED |
| 39 / 2480                      | 608                  | PASSED |

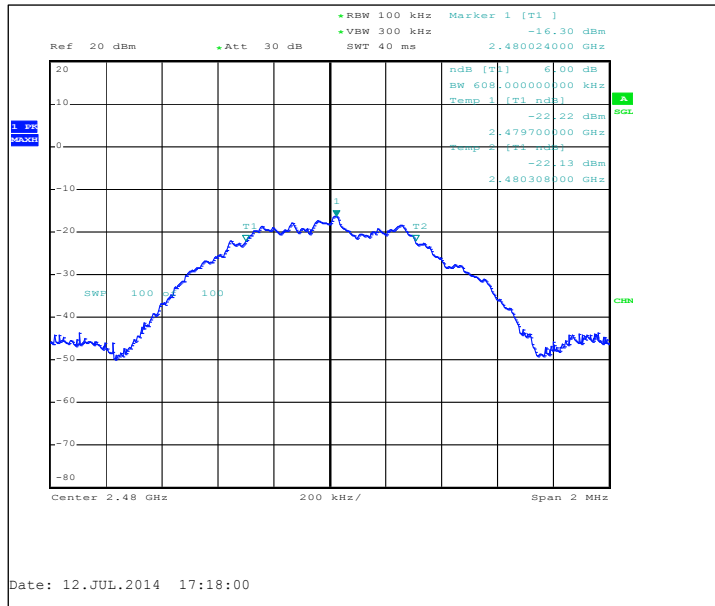
#### Channel 0 / 2402 MHz



#### Channel 20 / 2442 MHz



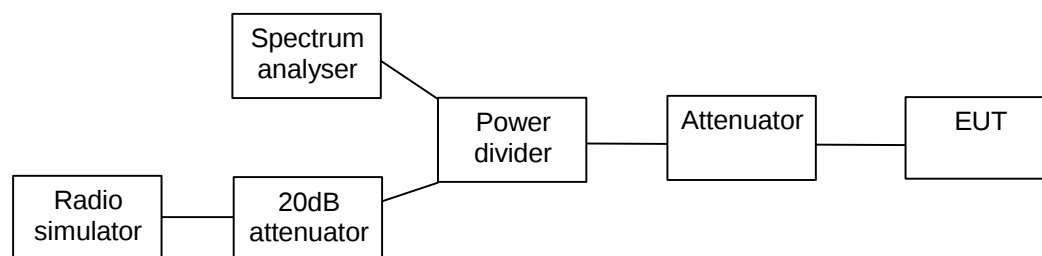
## Channel 39 / 2480 MHz



## 6. Power spectral density (FCC §15.247(e), RSS-210 A8.2(b))

|                                                        |                                                                    |
|--------------------------------------------------------|--------------------------------------------------------------------|
| <b>EUT with DUT number</b>                             | RM-1038, DUT 54428                                                 |
| <b>Accessories with DUT numbers</b>                    | Samsung BV-T5A , DUT 54452 ; AC-20E, DUT 54463 ; WH-108, DUT 54459 |
| <b>Operation Voltage [V] / [Hz]</b>                    | Nominal                                                            |
| <b>Results</b>                                         | PASSED                                                             |
| <b>Remarks</b>                                         | Test was done in RF1 system.                                       |
| <b>Temp [°C] / Humidity [%RH] / Air Pressure [kPa]</b> | 23/52/100                                                          |
| <b>Date of measurements</b>                            | 12-Jul-2014                                                        |
| <b>Measured by</b>                                     | Gao Sherina                                                        |

### 6.1. Test Setup



### 6.2. Test method and limit

The measurement is made according to DTS procedures KDB 558074 and IC standard RSS-210.

Limits for power spectral density measurements

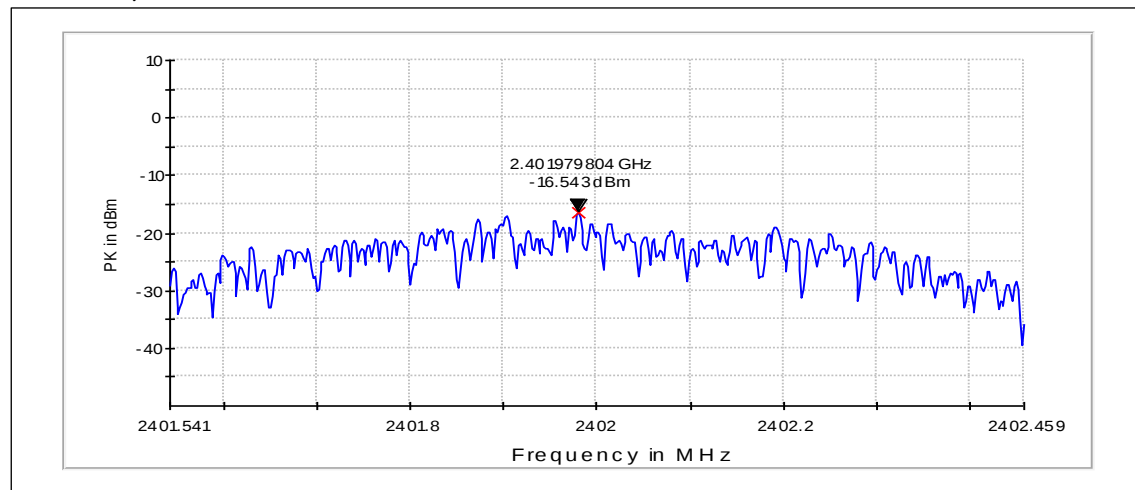
| Limit [dBm] @ 3 kHz |
|---------------------|
| <= 8                |

### 6.3. Bluetooth Low Energy Test results

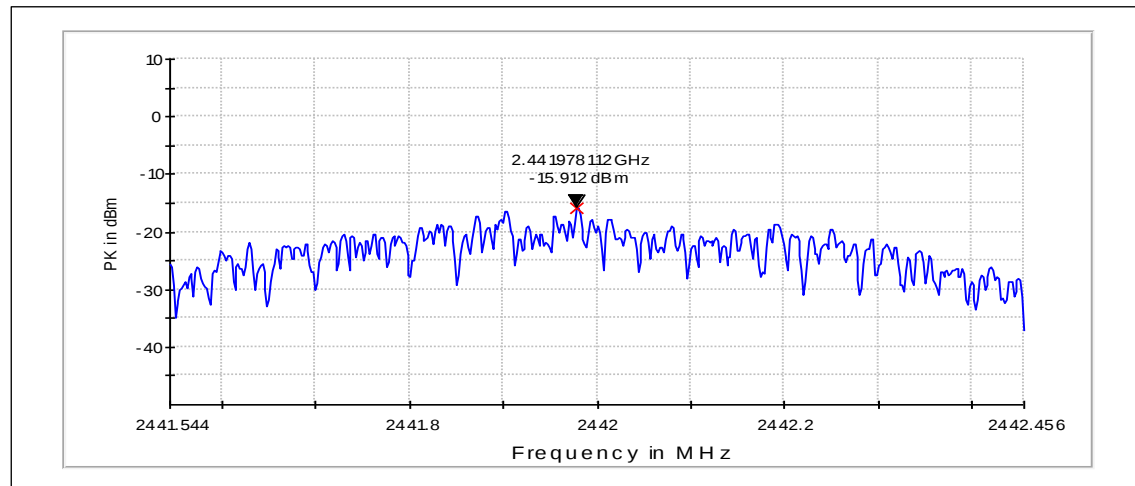
Peak (RBW: 3 kHz, VBW: 10 kHz, Max hold)

| Channel / $f_c$ [MHz] | P [dBm] | Result |
|-----------------------|---------|--------|
| 0 / 2402              | -16.54  | PASSED |
| 20 / 2442             | -15.91  | PASSED |
| 39 / 2480             | -15.96  | PASSED |

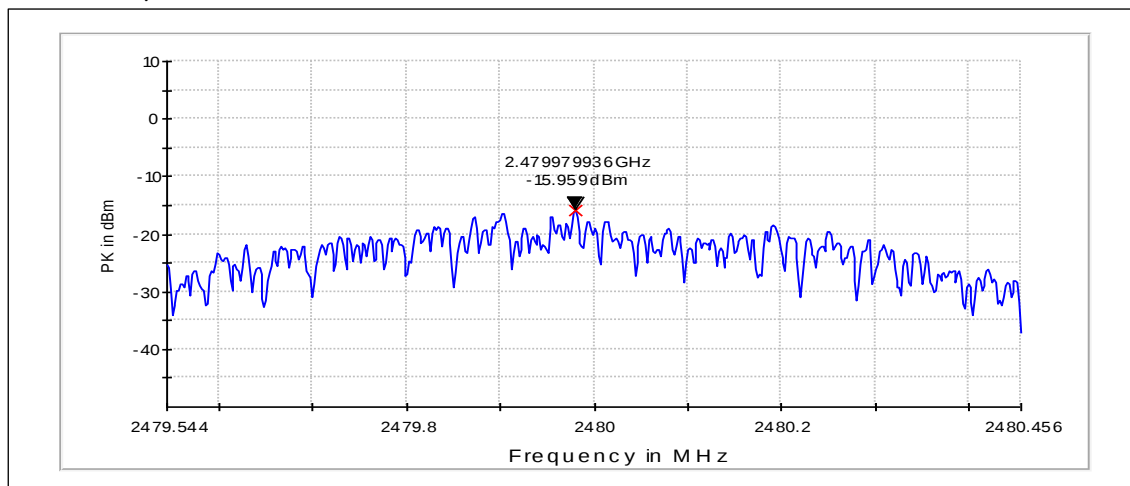
Channel 0 / 2402 MHz



Channel 20 / 2442 MHz



Channel 39 / 2480 MHz



## 7. Test Equipment

### 7.1. 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  | Temperature 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      |
| BJPCTC0115  | Communication Tester                   | CMU200              | R&S                     | 22/24/27, 15B, 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 | Temperature 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      |

### 7.2. 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 |

| Eq. No     | Equipment                       | Type                              | Manufacturer                  | Used in            |
|------------|---------------------------------|-----------------------------------|-------------------------------|--------------------|
| -          | RF Emission Software            | EMC32 Test Software               | R&S                           | 22/24/27, 15C, 15B |
| BJPCPT0072 | Receiver                        | ESI B26                           | R&S                           | 22/24/27, 15C, 15B |
| 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 |
| BJPCTC0113 | Receiver                        | ESI B26                           | R&S                           | 22/24/27, 15B, 15C |
| BJPCTC0115 | Communication Tester            | CMU200                            | R&S                           | 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           | 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   |
| 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           | JXTXLB-880-NF                     | A-INFOMW                      | 15B 15C            |
| BJPCTC0171 | Broad-band Horn Antenna         | BBHA9120 D                        | SCHWARZBECK MESS - 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 |

| Eq. No     | Equipment            | Type                   | Manufacturer | Used in            |
|------------|----------------------|------------------------|--------------|--------------------|
| BJPCTC0342 | Communication Tester | CMU200                 | R&S          | 15B, 15C           |
| BJPCTC0349 | Preamplifier         | AMF-4D-01000800-30-79P | Miteg        | 22/24/27, 15C, 15B |
| BJPCTC0350 | Preamplifier         | AMF-4D-01000800-30-29P | Miteg        | 22/24/27, 15C, 15B |
| BJPCTC0351 | Preamplifier         | AFS4-00101800          | -            | 22/24/27, 15C, 15B |