

## FCC Part 15C Compliance Test Report

|                                                                 |                                                                                                                                                                                                                                                                                                                                      |                                   |                                                                                                                                                                                       |
|-----------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Report no.:</b>                                         | Bej_FCC_0906_03.doc                                                                                                                                                                                                                                                                                                                  | <b>Date of Report:</b>            | 25-Nov-2008                                                                                                                                                                           |
| <b>Number of pages:</b>                                         | 38                                                                                                                                                                                                                                                                                                                                   | <b>Customer's Contact person:</b> | Helen Hu                                                                                                                                                                              |
| <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>Beijing Economic and<br>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>                                         | 99059                                                                                                                                                                                                                                                                                                                                |                                   |                                                                                                                                                                                       |
| <b>IC recognition no.:</b>                                      | 661AD-1                                                                                                                                                                                                                                                                                                                              |                                   |                                                                                                                                                                                       |
| <b>Tested devices/<br/>accessories:</b>                         | <b>Phone; RM-496 / Battery; BL-5C, Headset; WH-102 HS-125, AC Charger;<br/>AC-3E</b>                                                                                                                                                                                                                                                 |                                   |                                                                                                                                                                                       |
| <b>FCC ID:</b>                                                  | QTLRM-496                                                                                                                                                                                                                                                                                                                            | <b>IC:</b>                        | 661AB-RM496                                                                                                                                                                           |
| <b>Supplement reports:</b>                                      | -                                                                                                                                                                                                                                                                                                                                    |                                   |                                                                                                                                                                                       |
| <b>Testing has been<br/>carried out in<br/>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<br/>for the contents:</b>                 |                                                                                                                                                                                                                                                                                                                                      |                                   |                                                                                                                                                                                       |

Jia Dongsheng, Manager

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

|                               |                                                        |
|-------------------------------|--------------------------------------------------------|
| Date of receipt               | 06-Nov-2008                                            |
| Testing completed             | 25-Nov-2008                                            |
| The customer's contact person | Helen Hu                                               |
| Test Plan referred to         | T:\Projects\RM-495\TestPlan_RS\RS_testplan_RM-495.xls  |
| Notes                         | None                                                   |
| Document name                 | T:\Projects\RM-495\EMC\Results\FCC\Cph_FCC_0847_02.doc |

### 1.1. EUT and Accessory Information

The EUT is a 4-band (GSM850/900/1800/1900) mobile phone with GPRS, EGPRS and Bluetooth. Bluetooth is tested with maximum rated TX power.

| Product    | Type            | SN                          | HW   | MV | SW            | DUT   |
|------------|-----------------|-----------------------------|------|----|---------------|-------|
| Phone      | RM-495          | 004401/10/407330/5          | 0201 | -  | ab07w47-08w42 | 25480 |
| Battery    | BL-5C 1020 mAh  | 0670400363563P391213705916  | -    | -  | -             | 25485 |
| Headset    | WH-102 HS-125   | 0694325830512600423         | -    | -  | -             | 25487 |
| AC Charger | AC-3E           | 3997916346161300282;0675370 | -    | -  | -             | 29177 |
| Phone      | RM-495          | 004401/10/407356/0          | 0201 | -  | ab07w41-08w42 | 26901 |
| Battery    | BI-5C 1020 mAh  | 0670400363563P391213705995  | -    | -  | -             | 26912 |
| Headset    | HS-125 / WH-102 | 0694325830512600037         | -    | -  | -             | 26910 |
| AC charger | AC-3E           | 4419298322052137241;0675370 | -    | -  | -             | 26915 |
| Phone      | RM-495          | 004401/10/407347/9          | 0201 | -  | ab07w47-08w42 | 26918 |
| Battery    | BL-5C           | 0670400462040P414C21027807  | -    | -  | -             | 26896 |
| AC charger | AC-3E           | 4419298322052129500;0675370 | -    | -  | -             | 26897 |
| Headset    | HS-125 / WH-102 | 0694325830512600591         | -    | -  | -             | 26911 |

### 1.2. Summary of Test Results

#### Bluetooth:

| Section in CFR 47 | Section in RSS-GEN or RSS-210 | Name of the test                     | Result |
|-------------------|-------------------------------|--------------------------------------|--------|
| 15.247(b)(1)      | A8.4 (2)                      | Conducted peak output power          | Passed |
| 15.247(d)         | A8.5                          | Band edge compliance of RF emissions | Passed |
| 15.247(d)         | A8.5                          | Spurious RF conducted emissions      | Passed |
| 15.247(d), 15.209 | A8.5                          | Spurious radiated emissions          | Passed |
| 15.207            | 7.2.2                         | AC power line conducted emissions    | Passed |
| 15.247(a)(1)      | A8.1 (1)                      | 20 dB bandwidth                      | Passed |
| 15.247(a)(1)      | A8.1 (2)                      | Carrier frequency separation         | Passed |
| 15.247(a)(1)(iii) | A8.1 (4)                      | Number of hopping frequencies        | Passed |
| 15.247(a)(1)(iii) | A8.1 (4)                      | Time of occupancy                    | 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 QTLRM-495 are re-used for certification of the QTLRM-496. The table above indicates the results, which will be re-used.

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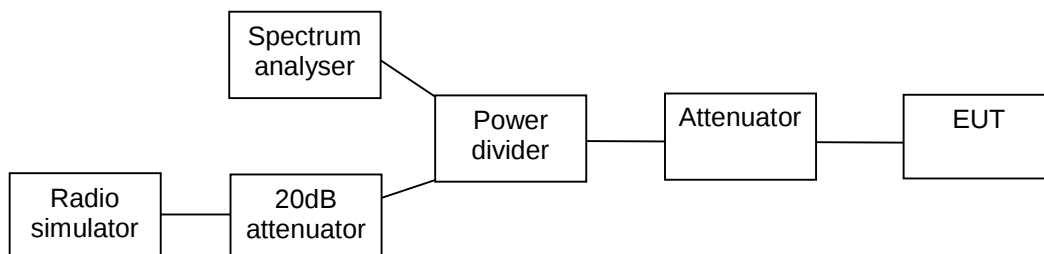
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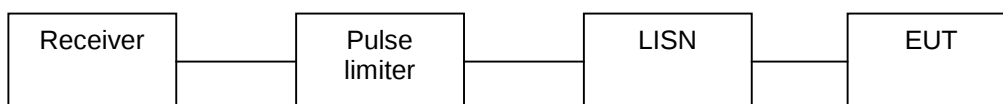
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## 2. Test setups

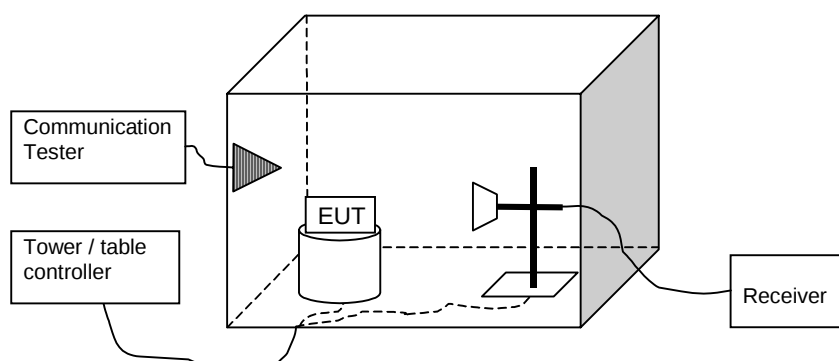
### 2.1. Conducted RF test setup



### 2.2. AC powerline conducted emissions test setup



### 2.3. Radiated test setup



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

|                                                            |                                   |
|------------------------------------------------------------|-----------------------------------|
| <b>EUT with DUT number</b>                                 | RM-495 dut 26901, BL-5C dut 26912 |
| <b>Accessories with DUT numbers</b>                        | HS-125 dut 26910, AC-3E dut 26915 |
| <b>Operation Voltage [V] / [Hz]</b>                        | nominal                           |
| <b>Result</b>                                              | Passed                            |
| <b>Remarks</b>                                             | None                              |
| <b>Temp [°C] / Humidity [%RH] /<br/>Air Pressure [kPa]</b> | 23.5 / 34<br>99.55                |
| <b>Date of measurements</b>                                | 24-Nov-2008                       |
| <b>Measured by</b>                                         | Jan Engelbrechtsen                |

#### 3.1. Test method and limit

The measurement is made according to Public notice DA 00-705 and IC standard RSS-210.

Limits for conducted peak output power measurements

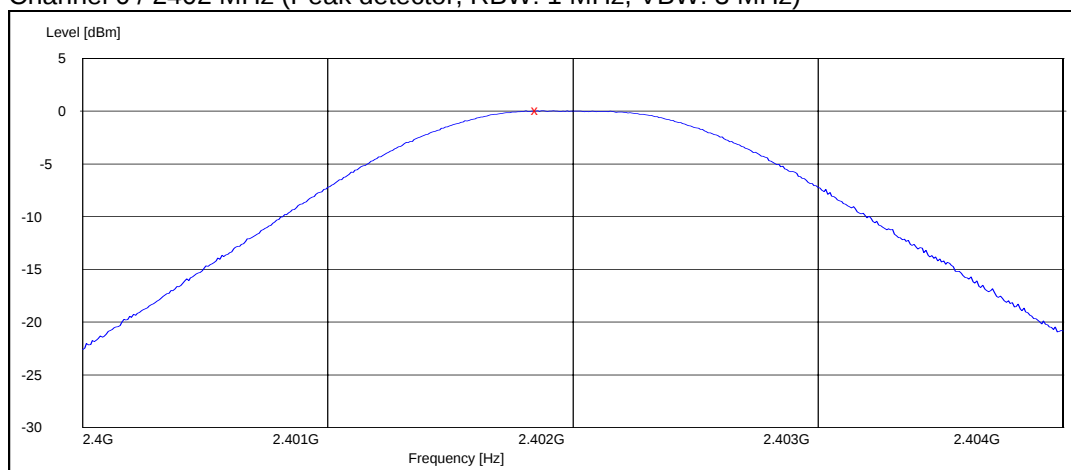
| <b>Frequency range [MHz]</b> | <b>Limit [W]</b> | <b>Limit [dBm]</b> |
|------------------------------|------------------|--------------------|
| 2400 – 2483.5                | ≤ 1              | ≤ 30               |

## 3.2. Bluetooth Test results

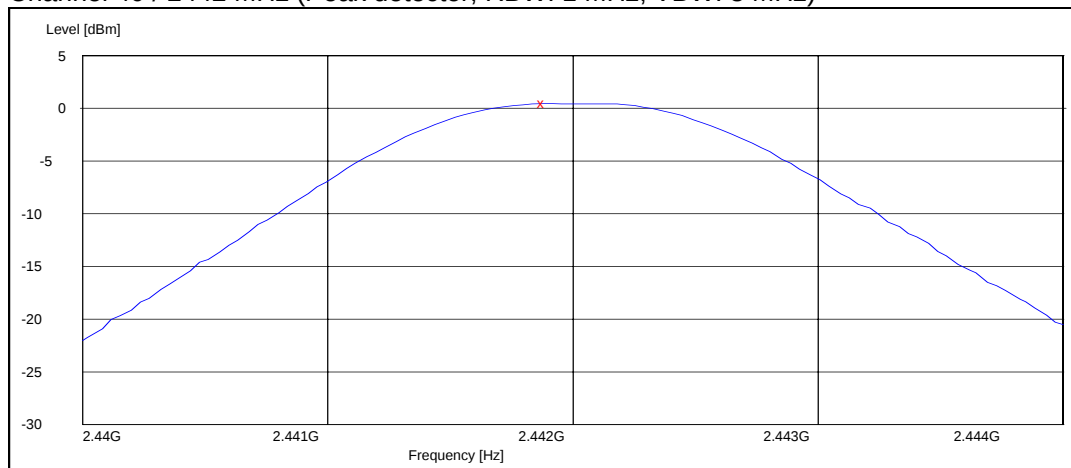
### 3.2.1 GFSK modulation, PRBS packet type

| Channel / $f_c$ [MHz] | P [dBm] | P [mW] | Result |
|-----------------------|---------|--------|--------|
| 0 / 2402              | 0.10    | 1.023  | Pass   |
| 40 / 2442             | 0.50    | 1.122  | Pass   |
| 78 / 2480             | 0.60    | 1.148  | Pass   |

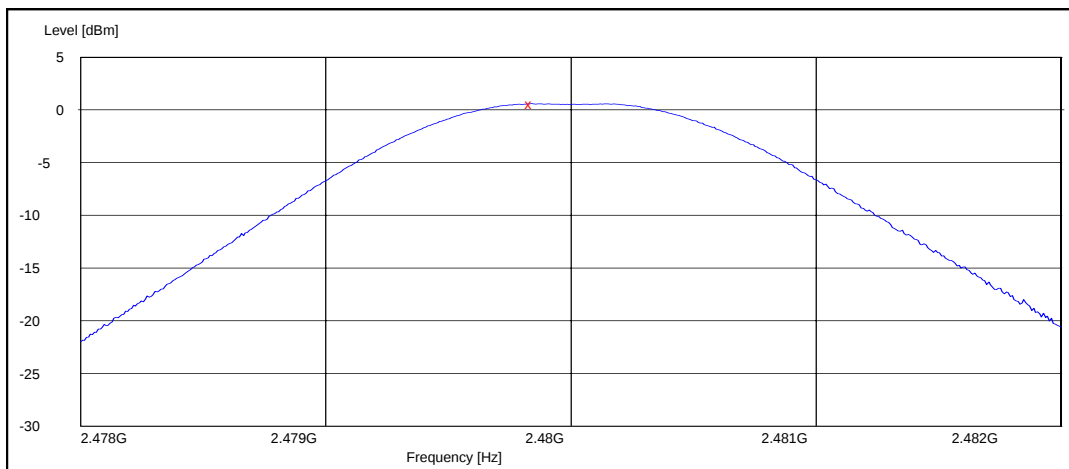
Channel 0 / 2402 MHz (Peak detector, RBW: 1 MHz, VBW: 3 MHz)



Channel 40 / 2442 MHz (Peak detector, RBW: 1 MHz, VBW: 3 MHz)



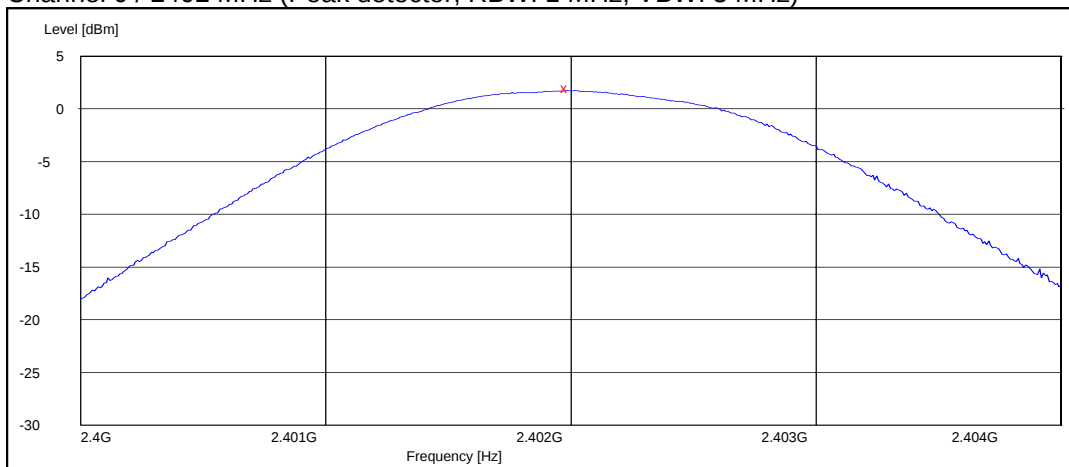
Channel 78 / 2480 MHz (Peak detector, RBW: 1 MHz, VBW: 3 MHz)



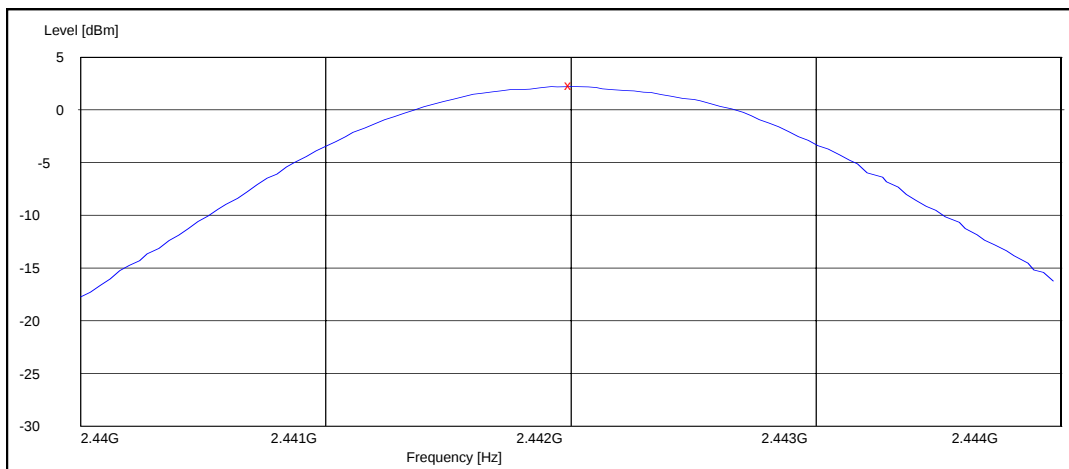
### 3.2.2 8DPSK modulation, PRBS packet type

| Channel / $f_c$ [MHz] | P [dBm] | P [mW] | Result |
|-----------------------|---------|--------|--------|
| 0 / 2402              | 2.00    | 1.585  | Pass   |
| 40 / 2442             | 2.40    | 1.738  | Pass   |
| 78 / 2480             | 2.60    | 1.820  | Pass   |

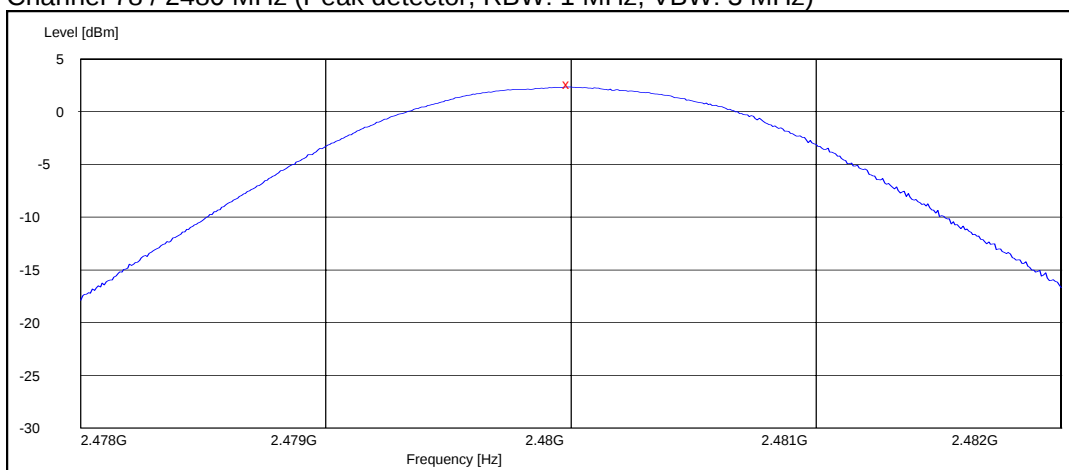
Channel 0 / 2402 MHz (Peak detector, RBW: 1 MHz, VBW: 3 MHz)



Channel 40 / 2442 MHz (Peak detector, RBW: 1 MHz, VBW: 3 MHz)



Channel 78 / 2480 MHz (Peak detector, RBW: 1 MHz, VBW: 3 MHz)



#### 4. Band edge compliance of RF emissions (FCC §15.247(d), RSS-210 A8.5)

|                                                        |                                                           |
|--------------------------------------------------------|-----------------------------------------------------------|
| <b>EUT with DUT number</b>                             | RM-495 DUT 25480                                          |
| <b>Accessories with DUT numbers</b>                    | BL-5C DUT 25485, WH-102 HS-125 DUT 25487, AC-3E DUT 29177 |
| <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> | 20 / 41 / 102.7                                           |
| <b>Date of measurements</b>                            | 17-Nov-2008                                               |
| <b>Measured by</b>                                     | Christian Andersen                                        |

##### 4.1. Test method and limit

The measurement is made according to Public notice DA 00-705 and IC standard RSS-210.

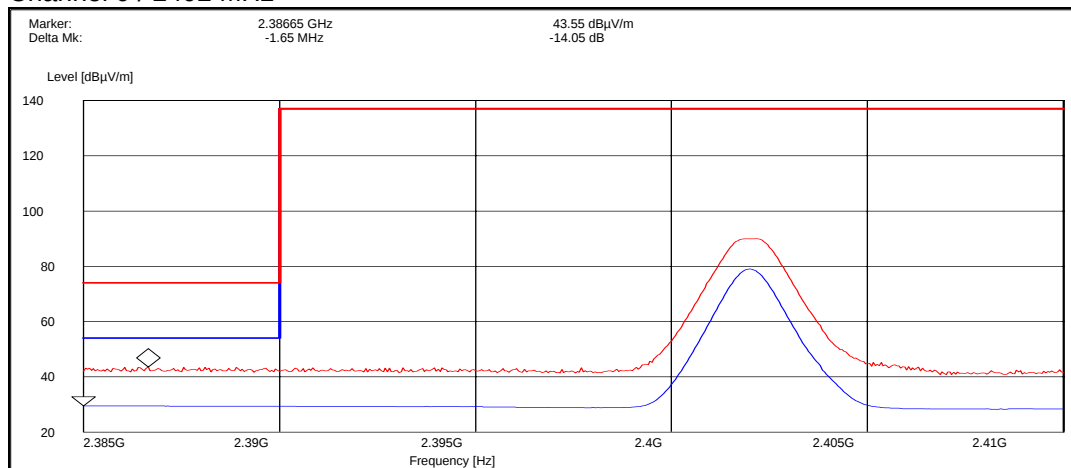
Limits for band edge compliance of RF emissions measurements (3 m measurement distance)

| <b>Frequency range [MHz]</b> | <b>Limit Average [dBμV/m]</b> | <b>Limit Peak [dBμV/m]</b> |
|------------------------------|-------------------------------|----------------------------|
| Below 2390 and above 2483.5  | ≤ 54                          | ≤ 74                       |

## 4.2. Bluetooth Test results

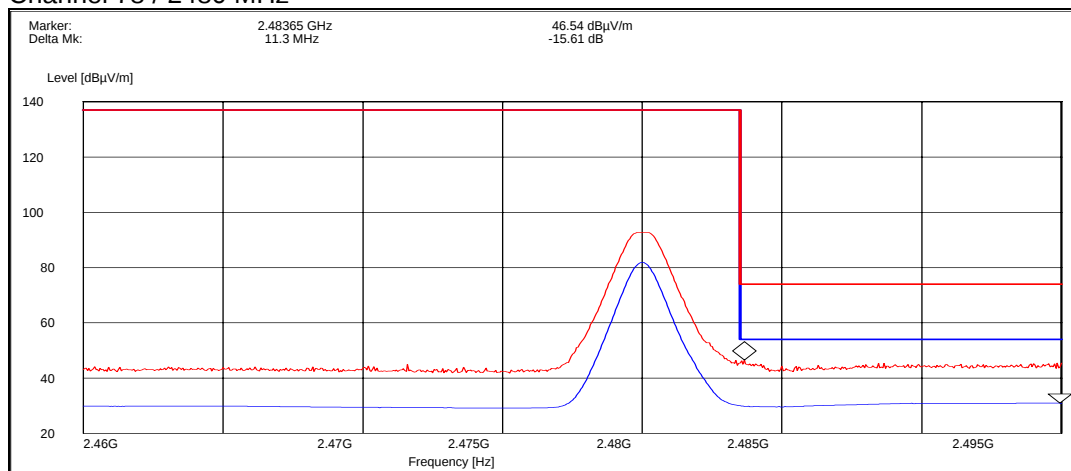
### 4.2.1 GFSK modulation, PRBS packet type

Channel 0 / 2402 MHz



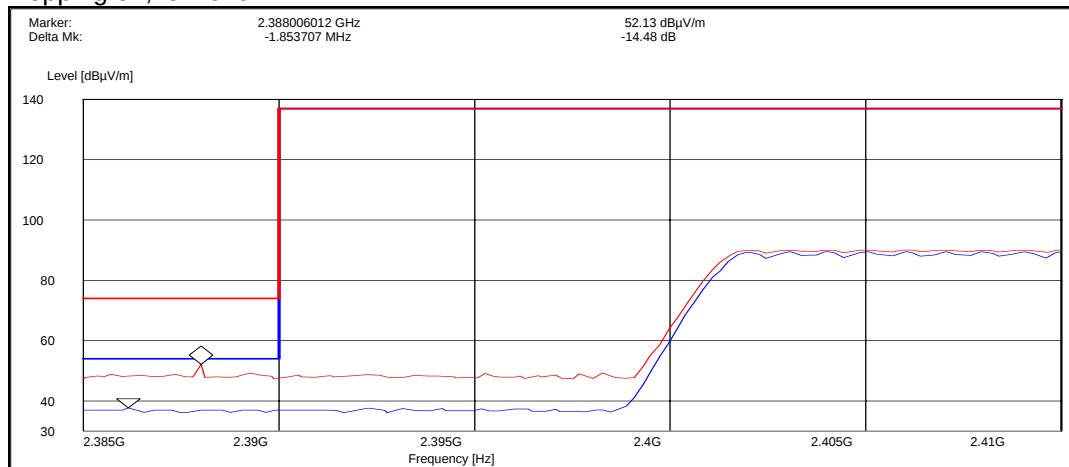
| Detector (RBW: 1 MHz) | E [dBμV/m] | Result |
|-----------------------|------------|--------|
| Peak                  | 43.50      | Passed |
| Average               | 29.50      | Passed |

Channel 78 / 2480 MHz



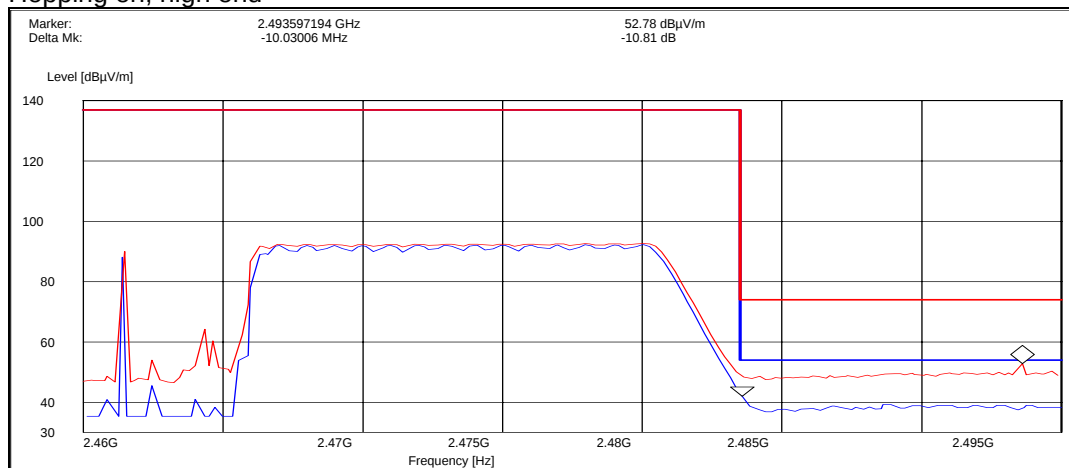
| Detector (RBW: 1 MHz) | E [dBμV/m] | Result |
|-----------------------|------------|--------|
| Peak                  | 46.50      | Passed |
| Average               | 30.90      | Passed |

### Hopping on, low end



| Detector (RBW: 1 MHz) | E [dB $\mu$ V/m] | Result |
|-----------------------|------------------|--------|
| Peak                  | 52.10            | Passed |
| Average               | 37.60            | Passed |

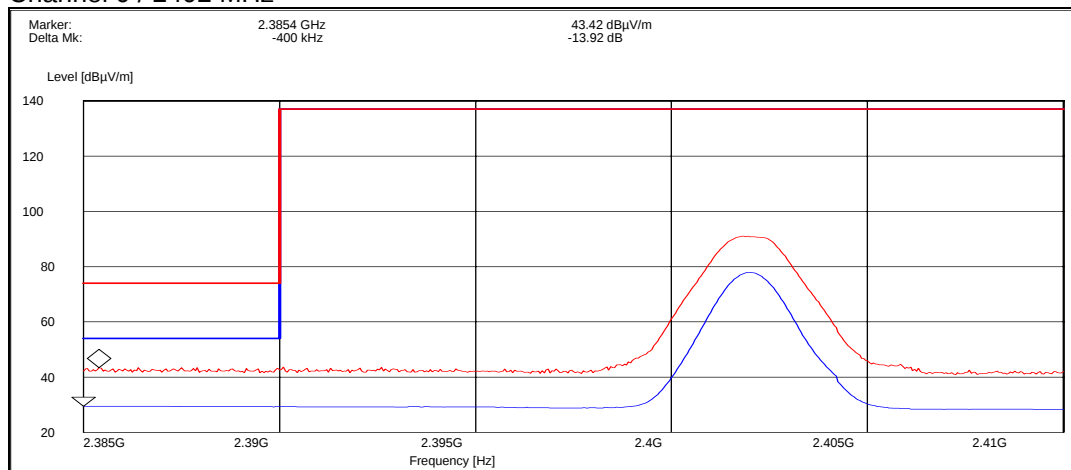
### Hopping on, high end



| Detector (RBW: 1 MHz) | E [dB $\mu$ V/m] | Result |
|-----------------------|------------------|--------|
| Peak                  | 52.80            | Passed |
| Average               | 42.00            | Passed |

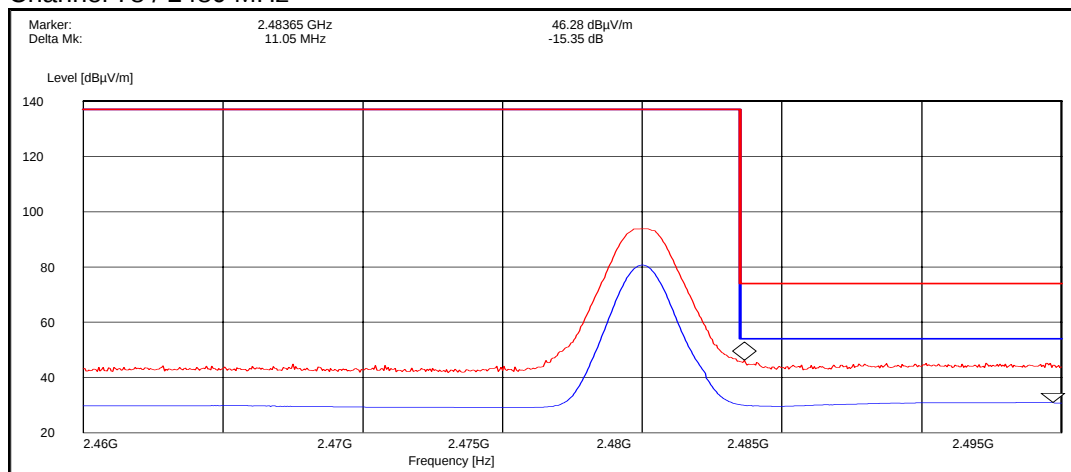
#### 4.2.2 8DPSK modulation, PRBS packet type

Channel 0 / 2402 MHz



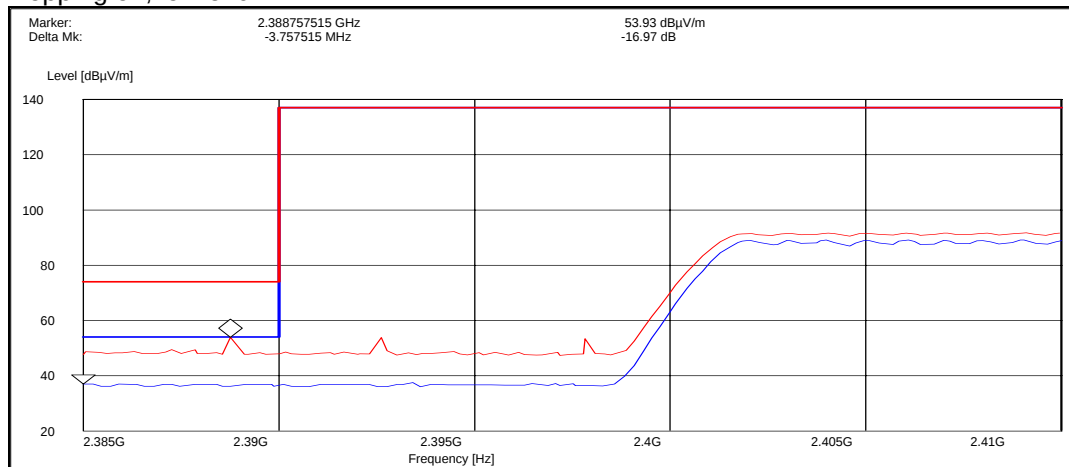
| Detector (RBW: 1 MHz) | E [dBμV/m] | Result |
|-----------------------|------------|--------|
| Peak                  | 43.40      | Passed |
| Average               | 29.50      | Passed |

Channel 78 / 2480 MHz



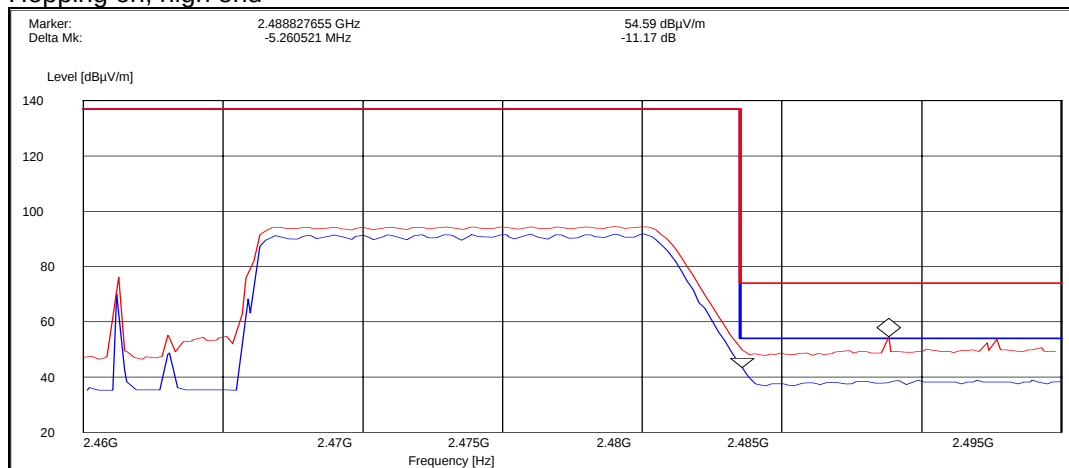
| Detector (RBW: 1 MHz) | E [dBμV/m] | Result |
|-----------------------|------------|--------|
| Peak                  | 46.30      | Passed |
| Average               | 30.90      | Passed |

### Hopping on, low end



| Detector (RBW: 1 MHz) | E [dB $\mu$ V/m] | Result |
|-----------------------|------------------|--------|
| Peak                  | 53.90            | Passed |
| Average               | 37.00            | Passed |

### Hopping on, high end



| Detector (RBW: 1 MHz) | E [dB $\mu$ V/m] | Result |
|-----------------------|------------------|--------|
| Peak                  | 54.60            | Passed |
| Average               | 43.40            | Passed |

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

|                                                            |                                   |
|------------------------------------------------------------|-----------------------------------|
| <b>EUT with DUT number</b>                                 | RM-495 dut 26901, BL-5C dut 26912 |
| <b>Accessories with DUT numbers</b>                        | HS-125 dut 26910, AC-3E dut 26915 |
| <b>Operation Voltage [V] / [Hz]</b>                        | nominal                           |
| <b>Result</b>                                              | Passed                            |
| <b>Remarks</b>                                             | None                              |
| <b>Temp [°C] / Humidity [%RH] /<br/>Air Pressure [kPa]</b> | 23.5 / 34<br>99.55                |
| <b>Date of measurements</b>                                | 24-Nov-2008                       |
| <b>Measured by</b>                                         | Jan Engelbrechtsen                |

### 5.1. Test method and limit

The measurement is made according to Public notice DA 00-705 and IC standard RSS-210.

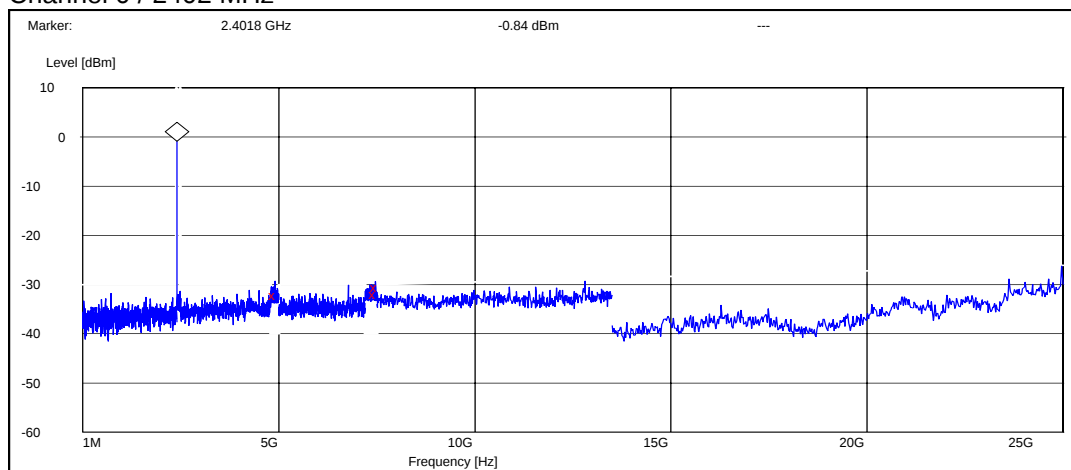
Limits for spurious RF conducted emissions measurements

| <b>Frequency range [MHz]</b> | <b>Limit [dBc]</b> |
|------------------------------|--------------------|
| 1 – 25000                    | ≤ -20              |

## 5.2. Bluetooth Test results

### 5.2.1 GFSK modulation, PRBS packet type

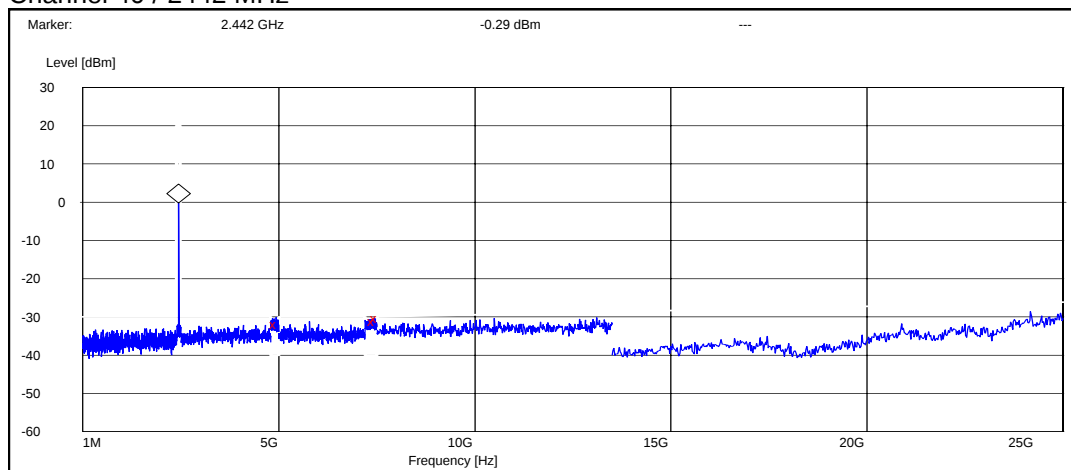
Channel 0 / 2402 MHz



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

| Frequency [MHz] | P [dBc]    | Result |
|-----------------|------------|--------|
| 4902.000000     | -31.257574 | Pass   |
| 7461.000000     | -31.057574 | Pass   |
| 7500.000000     | -29.757574 | Pass   |

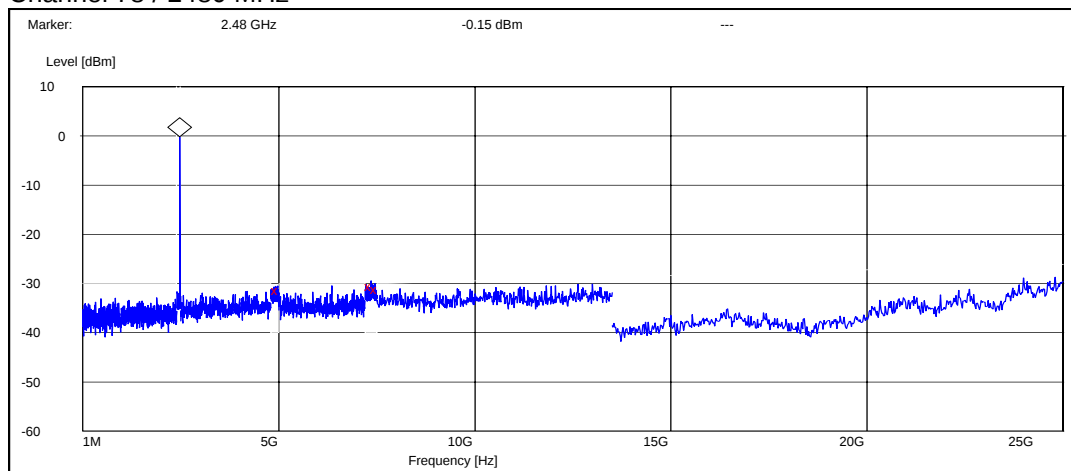
Channel 40 / 2442 MHz



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

| Frequency [MHz] | P [dBc]    | Result |
|-----------------|------------|--------|
| 4929.600000     | -31.611453 | Pass   |
| 7440.600000     | -30.811453 | Pass   |
| 7500.000000     | -30.211453 | Pass   |

### Channel 78 / 2480 MHz

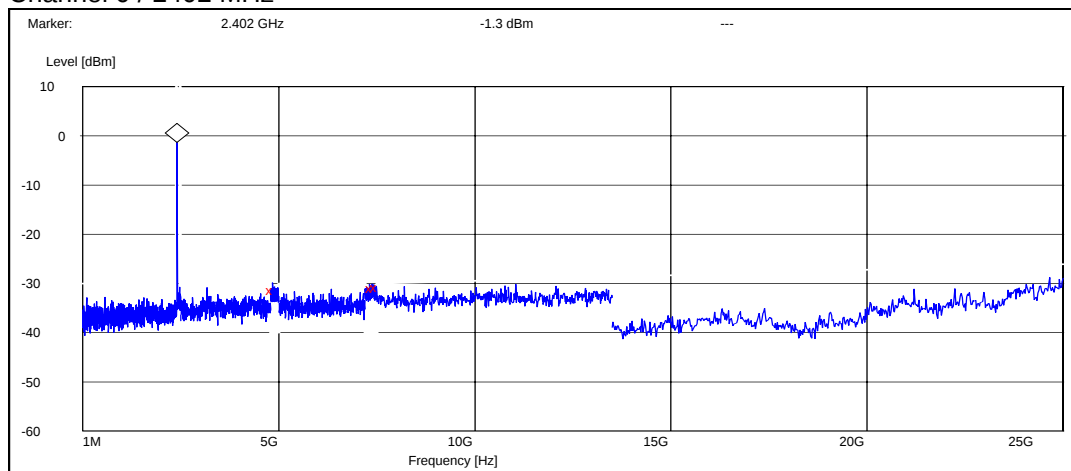


Peak (RBW: 100 kHz, VBW: 100 kHz)

| Frequency [MHz] | P [dBc]    | Result |
|-----------------|------------|--------|
| 4972.000000     | -31.147424 | Pass   |
| 7350.000000     | -30.447424 | Pass   |
| 7500.000000     | -31.047424 | Pass   |

### 5.2.2 8DPSK modulation, PRBS packet type

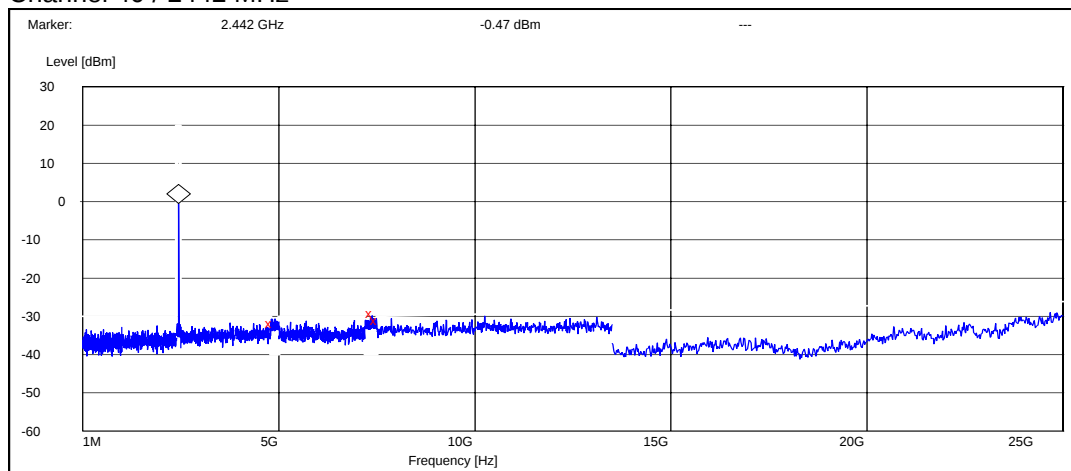
#### Channel 0 / 2402 MHz



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

| Frequency [MHz] | P [dBc]    | Result |
|-----------------|------------|--------|
| 4836.800000     | -30.204701 | Pass   |
| 7378.200000     | -29.804701 | Pass   |
| 7500.000000     | -29.504701 | Pass   |

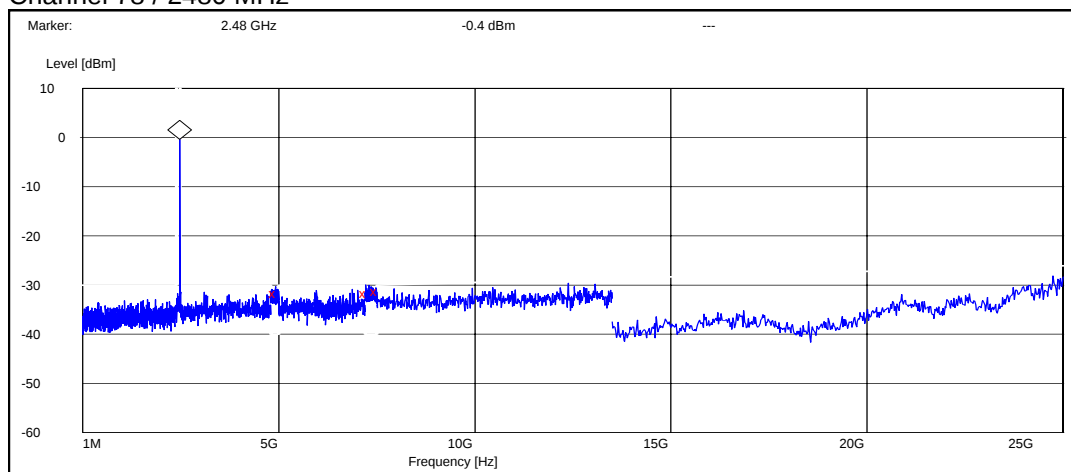
### Channel 40 / 2442 MHz



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

| Frequency [MHz] | P [dBc]    | Result |
|-----------------|------------|--------|
| 4825.200000     | -31.228485 | Pass   |
| 7375.200000     | -28.828485 | Pass   |
| 7500.000000     | -30.528485 | Pass   |

### Channel 78 / 2480 MHz



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

| Frequency [MHz] | P [dBc]    | Result |
|-----------------|------------|--------|
| 4914.800000     | -31.195189 | Pass   |
| 7222.800000     | -31.195189 | Pass   |
| 7500.000000     | -30.895189 | Pass   |

## 6. Spurious radiated emissions (FCC §15.247(d), §15.209, RSS-210 A8.5)

|                                                        |                                                           |
|--------------------------------------------------------|-----------------------------------------------------------|
| <b>EUT with DUT number</b>                             | RM-495 DUT 25480                                          |
| <b>Accessories with DUT numbers</b>                    | BL-5C DUT 25485, WH-102 HS-125 DUT 25487, AC-3E DUT 29177 |
| <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> | 20 / 41 / 102.7                                           |
| <b>Date of measurements</b>                            | 17-Nov-2008                                               |
| <b>Measured by</b>                                     | Christian Andersen                                        |

### 6.1. Test method and limit

The measurement is made according to Public notice DA 00-705 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 centre.

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:

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

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 |
| Above 1000            | 500                       | 54                          | Average    |
| Above 1000            | 5000                      | 74                          | Peak       |

## 6.2. Bluetooth Test results

### 6.2.1 GFSK modulation, PRBS packet type

Channel 0 / 2402 MHz

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

| 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 |
|-----------------|-------------------------|-----------------------|-------------------------------------|-----------------------|--------------|--------|
| 4804.000000     | 35.60                   | 60.26                 | 35.50                               | 0.1                   | HORIZONTAL   | Passed |
| 7206.000000     | 41.70                   | 121.62                | 32.80                               | 8.9                   | VERTICAL     | Passed |

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

| 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 |
|-----------------|-------------------------|-----------------------|-------------------------------------|-----------------------|--------------|--------|
| 4804.000000     | 22.50                   | 13.34                 | 22.40                               | 0.1                   | HORIZONTAL   | Passed |
| 7206.000000     | 29.00                   | 28.18                 | 20.10                               | 8.9                   | VERTICAL     | Passed |

Channel 40 / 2442 MHz

Quasi peak (RBW: 100 kHz, VBW: 100 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 |
|-----------------|-------------------------|-----------------------|-------------------------------------|-----------------------|--------------|--------|
| 38.195391       | 10.80                   | 3.47                  | 27.30                               | -16.5                 | VERTICAL     | Passed |
| 75.169940       | 24.30                   | 16.41                 | 49.80                               | -25.5                 | HORIZONTAL   | Passed |
| 75.188978       | 24.70                   | 17.18                 | 50.20                               | -25.5                 | HORIZONTAL   | Passed |

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

| 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 |
|-----------------|-------------------------|-----------------------|-------------------------------------|-----------------------|--------------|--------|
| 1947.895792     | 61.60                   | 1202.26               | 64.80                               | -3.2                  | VERTICAL     | Passed |
| 7351.195391     | 42.60                   | 134.90                | 33.20                               | 9.4                   | HORIZONTAL   | Passed |
| 7426.851703     | 44.20                   | 162.18                | 34.80                               | 9.4                   | VERTICAL     | Passed |
| 17401.305611    | 52.10                   | 402.72                | 29.90                               | 22.2                  | HORIZONTAL   | Passed |
| 17905.305611    | 59.00                   | 891.25                | 30.10                               | 28.9                  | VERTICAL     | Passed |

\*1947.80 MHz frequency is coming from communication tester and thus ignored.

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

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|------------|----------|------------------------|-----------------------|--------------|--------|
| 1947.895792     | 60.60      | 1071.52  | 63.80                  | -3.2                  | VERTICAL     | Passed |
| 7350.195391     | 29.60      | 30.20    | 20.10                  | 9.5                   | HORIZONTAL   | Passed |
| 7427.351703     | 30.40      | 33.11    | 21.00                  | 9.4                   | VERTICAL     | Passed |
| 17405.805611    | 38.90      | 88.10    | 16.60                  | 22.3                  | HORIZONTAL   | Passed |
| 17901.805611    | 45.70      | 192.75   | 16.70                  | 29.0                  | VERTICAL     | Passed |

\*1947.80 MHz frequency is coming from communication tester and thus ignored.

Channel 78 / 2480 MHz

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

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|------------|----------|------------------------|-----------------------|--------------|--------|
| 4960.000000     | 36.30      | 65.31    | 36.00                  | 0.3                   | HORIZONTAL   | Passed |
| 7440.000000     | 43.00      | 141.25   | 33.50                  | 9.5                   | VERTICAL     | Passed |

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

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|------------|----------|------------------------|-----------------------|--------------|--------|
| 4960.000000     | 23.40      | 14.79    | 23.10                  | 0.3                   | HORIZONTAL   | Passed |
| 7440.000000     | 29.90      | 31.26    | 20.40                  | 9.5                   | VERTICAL     | Passed |

## 6.2.2 8DPSK modulation, PRBS packet type

Channel 0 / 2402 MHz

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

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|------------|----------|------------------------|-----------------------|--------------|--------|
| 4804.000000     | 35.60      | 60.26    | 35.50                  | 0.1                   | HORIZONTAL   | Passed |
| 7206.000000     | 42.00      | 125.89   | 33.10                  | 8.9                   | HORIZONTAL   | Passed |

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

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|------------|----------|------------------------|-----------------------|--------------|--------|
| 4804.000000     | 22.40      | 13.18    | 22.30                  | 0.1                   | HORIZONTAL   | Passed |
| 7206.000000     | 28.90      | 27.86    | 20.00                  | 8.9                   | VERTICAL     | Passed |

Channel 40 / 2442 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] | Polarisation | Result |
|-----------------|------------|----------|------------------------|-----------------------|--------------|--------|
| 37.876353       | 12.00      | 3.98     | 28.30                  | -16.3                 | VERTICAL     | Passed |
| 74.969940       | 20.00      | 10.00    | 45.50                  | -25.5                 | HORIZONTAL   | Passed |

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

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|------------|----------|------------------------|-----------------------|--------------|--------|
| 1947.895792     | 61.30      | 1161.45  | 64.50                  | -3.2                  | VERTICAL     | Passed |
| 7300.101202     | 43.00      | 141.25   | 33.50                  | 9.5                   | VERTICAL     | Passed |
| 7341.183367     | 43.40      | 147.91   | 34.10                  | 9.3                   | VERTICAL     | Passed |
| 7412.321643     | 42.50      | 133.35   | 33.00                  | 9.5                   | VERTICAL     | Passed |
| 7431.859719     | 43.40      | 147.91   | 34.00                  | 9.4                   | VERTICAL     | Passed |
| 17338.677355    | 52.00      | 398.11   | 30.20                  | 21.8                  | VERTICAL     | Passed |
| 17980.463928    | 58.20      | 812.83   | 28.90                  | 29.3                  | VERTICAL     | Passed |

\*1947.80 MHz frequency is coming from communication tester and thus ignored.

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

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|------------|----------|------------------------|-----------------------|--------------|--------|
| 1947.895792     | 60.60      | 1071.52  | 63.80                  | -3.2                  | VERTICAL     | Passed |
| 7298.601202     | 30.10      | 31.99    | 20.60                  | 9.5                   | VERTICAL     | Passed |
| 7342.683367     | 30.00      | 31.62    | 20.70                  | 9.3                   | VERTICAL     | Passed |
| 7408.321643     | 30.10      | 31.99    | 20.40                  | 9.7                   | VERTICAL     | Passed |
| 7430.859719     | 30.40      | 33.11    | 21.00                  | 9.4                   | VERTICAL     | Passed |
| 17340.177355    | 38.80      | 87.10    | 17.00                  | 21.8                  | VERTICAL     | Passed |
| 17978.463928    | 45.30      | 184.08   | 16.00                  | 29.3                  | VERTICAL     | Passed |

\*1947.80 MHz frequency is coming from communication tester and thus ignored.

Channel 78 / 2480 MHz

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

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|------------|----------|------------------------|-----------------------|--------------|--------|
| 4960.000000     | 36.30      | 65.31    | 36.00                  | 0.3                   | HORIZONTAL   | Passed |
| 7440.000000     | 43.70      | 153.11   | 34.20                  | 9.5                   | HORIZONTAL   | Passed |

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

| Frequency [MHz] | E [dBμV/m] | E [μV/m] | U <sub>RX</sub> [dBμV] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|-----------------|------------|----------|------------------------|-----------------------|--------------|--------|
| 4960.000000     | 23.40      | 14.79    | 23.10                  | 0.3                   | HORIZONTAL   | Passed |
| 7440.000000     | 29.90      | 31.26    | 20.40                  | 9.5                   | VERTICAL     | Passed |

## 7. AC powerline conducted emissions (FCC §15.207, RSS-GEN 7.2.2)

|                                                        |                                                    |
|--------------------------------------------------------|----------------------------------------------------|
| <b>EUT with DUT number</b>                             | RM-494 Dut 26918                                   |
| <b>Accessories with DUT numbers</b>                    | BL-5C Dut 26896, AC-3E Dut 26897, HS-125 Dut 26911 |
| <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> | 20.7 / 35.5<br>101.0                               |
| <b>Date of measurements</b>                            | 25-Nov-2008                                        |
| <b>Measured by</b>                                     | Allan F. Henriksen                                 |

### 7.1. Test method and limit

The measurement is made according to Public notice DA 00-705 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.

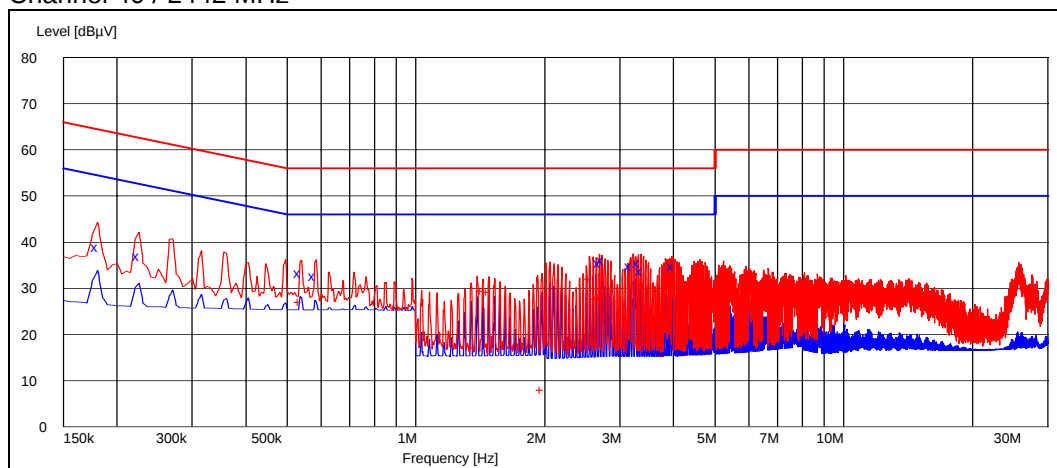
CISPR 22 Class B limits

| 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                   |

## 7.2. Bluetooth Test results

### 7.2.1 GFSK modulation, PRBS packet type

Channel 40 / 2442 MHz



Quasi peak (RBW: 9 kHz)

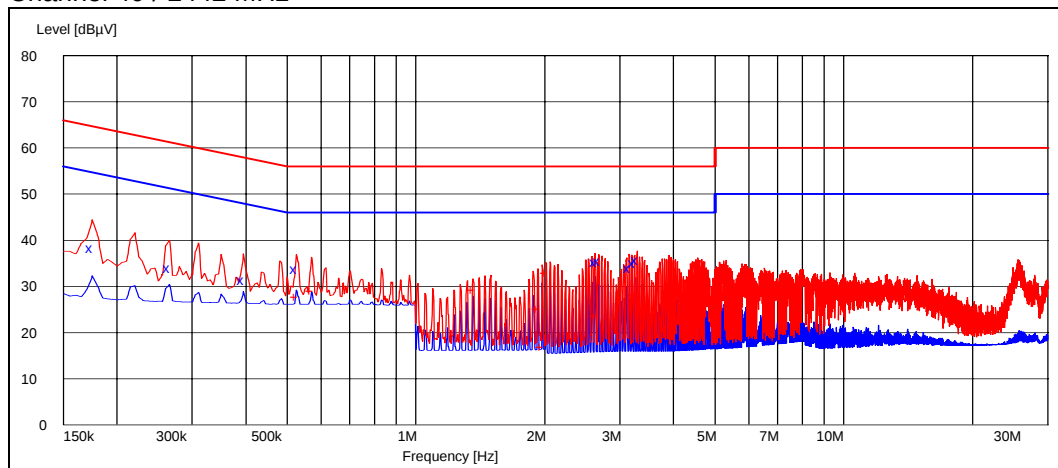
| Frequency [MHz] | U [dBμV] | Line | Result |
|-----------------|----------|------|--------|
| 0.180000        | 38.90    | L1   | Passed |
| 0.225000        | 36.90    | L1   | Passed |
| 0.535000        | 33.30    | L1   | Passed |
| 0.580000        | 32.70    | L1   | Passed |
| 2.690000        | 35.40    | N    | Passed |
| 2.740000        | 36.00    | N    | Passed |
| 3.180000        | 34.80    | N    | Passed |
| 3.320000        | 35.50    | N    | Passed |
| 3.365000        | 33.80    | N    | Passed |
| 3.995000        | 34.90    | N    | Passed |

Average (RBW: 9 kHz)

| Frequency [MHz] | U [dBμV] | Line | Result |
|-----------------|----------|------|--------|
| 0.535000        | 27.00    | L1   | Passed |
| 1.380000        | 17.00    | N    | Passed |
| 1.430000        | 29.40    | N    | Passed |
| 1.475000        | 29.30    | N    | Passed |
| 1.970000        | 7.90     | L1   | Passed |
| 2.555000        | 32.00    | N    | Passed |
| 2.645000        | 27.70    | L1   | Passed |
| 2.690000        | 27.80    | L1   | Passed |
| 3.320000        | 18.20    | N    | Passed |

## 7.2.2 8DPSK modulation, PRBS packet type

Channel 40 / 2442 MHz



Quasi peak (RBW: 9 kHz)

| Frequency [MHz] | U [dBμV] | Line | Result |
|-----------------|----------|------|--------|
| 0.175000        | 38.30    | L1   | Passed |
| 0.265000        | 33.90    | L1   | Passed |
| 0.395000        | 31.40    | L1   | Passed |
| 0.525000        | 33.80    | L1   | Passed |
| 2.635000        | 35.30    | N    | Passed |
| 2.680000        | 35.50    | N    | Passed |
| 3.155000        | 33.90    | N    | Passed |
| 3.245000        | 35.00    | N    | Passed |
| 3.295000        | 35.70    | N    | Passed |

Average (RBW: 9 kHz)

| Frequency [MHz] | U [dBμV] | Line | Result |
|-----------------|----------|------|--------|
| 0.525000        | 27.70    | L1   | Passed |
| 0.570000        | 29.00    | N    | Passed |
| 1.360000        | 29.10    | N    | Passed |
| 1.930000        | 25.00    | L1   | Passed |
| 1.965000        | 16.90    | N    | Passed |
| 2.020000        | 32.80    | N    | Passed |
| 2.635000        | 23.60    | L1   | Passed |
| 3.250000        | 28.20    | L1   | Passed |

## 8. 20 dB bandwidth (FCC §15.247(a)(1), RSS-210 A8.1 (1))

|                                                            |                                   |
|------------------------------------------------------------|-----------------------------------|
| <b>EUT with DUT number</b>                                 | RM-495 dut 26901, BL-5C dut 26912 |
| <b>Accessories with DUT numbers</b>                        | HS-125 dut 26910, AC-3E dut 26915 |
| <b>Operation Voltage [V] / [Hz]</b>                        | nominal                           |
| <b>Result</b>                                              | Passed                            |
| <b>Remarks</b>                                             | None                              |
| <b>Temp [°C] / Humidity [%RH] /<br/>Air Pressure [kPa]</b> | 23.5 / 34<br>99.55                |
| <b>Date of measurements</b>                                | 24-Nov-2008                       |
| <b>Measured by</b>                                         | Jan Engelbrechtsen                |

### 8.1. Test method and limit

The measurement is made according to Public notice DA 00-705 and IC standard RSS-210.

Limits for 20 dB bandwidth measurements

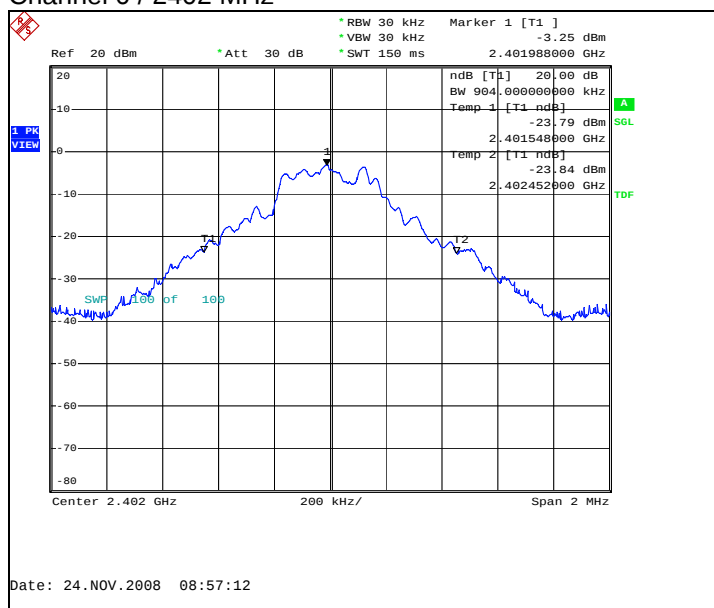
| <b>Limit [MHz]</b> |
|--------------------|
| N/A                |

## 8.2. Bluetooth Test results

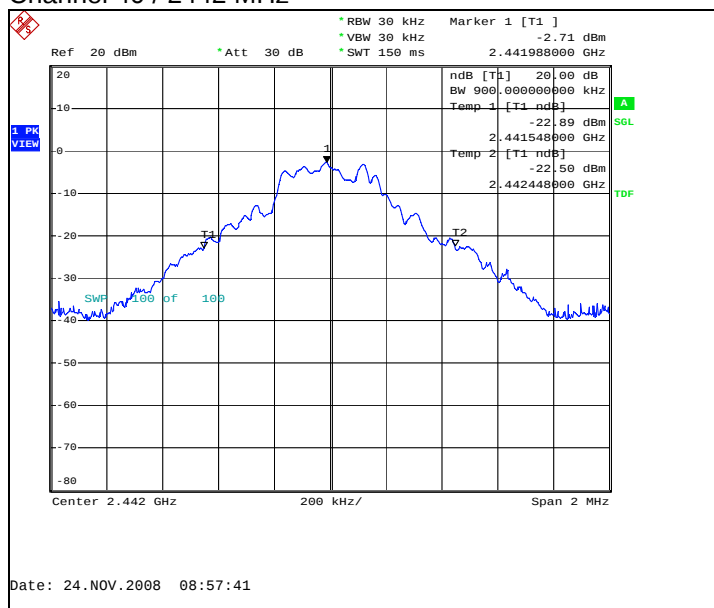
### 8.2.1 GFSK modulation, PRBS packet type

| Channel / $f_c$ [MHz] | 20 dB bandwidth [kHz] | Result |
|-----------------------|-----------------------|--------|
| 0 / 2402              | 904.000               | Pass   |
| 40 / 2442             | 900.000               | Pass   |
| 78 / 2480             | 900.000               | Pass   |

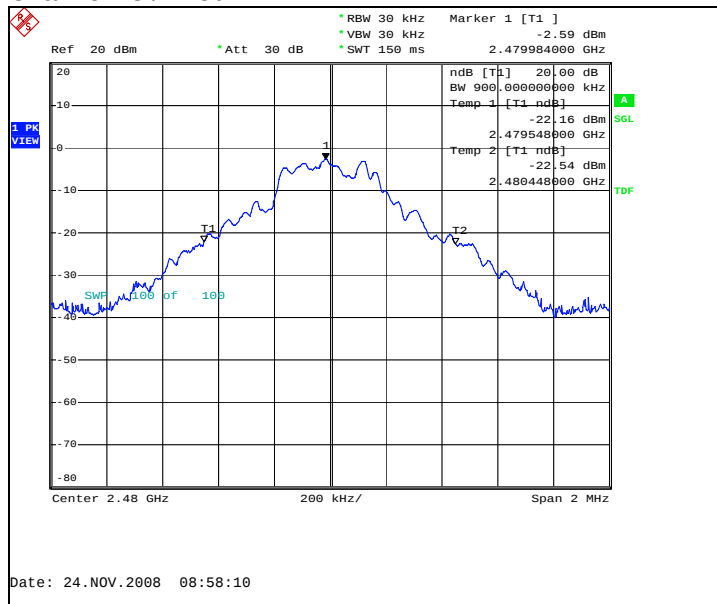
Channel 0 / 2402 MHz



Channel 40 / 2442 MHz



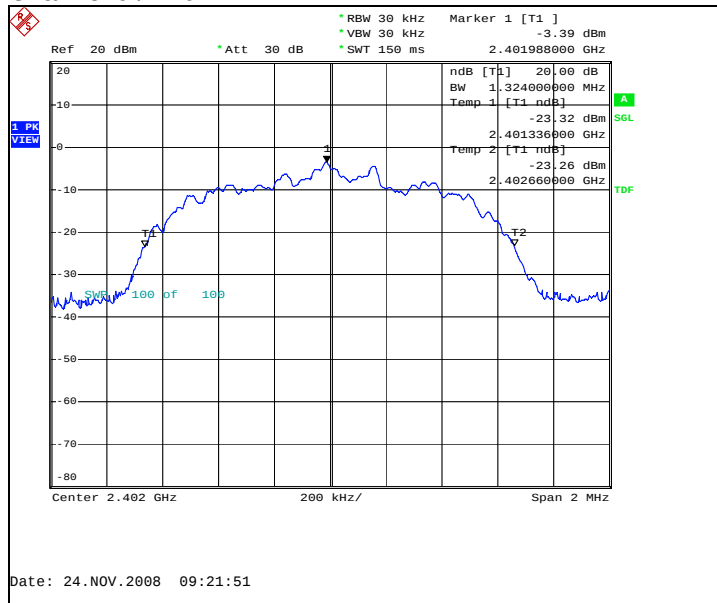
### Channel 78 / 2480 MHz



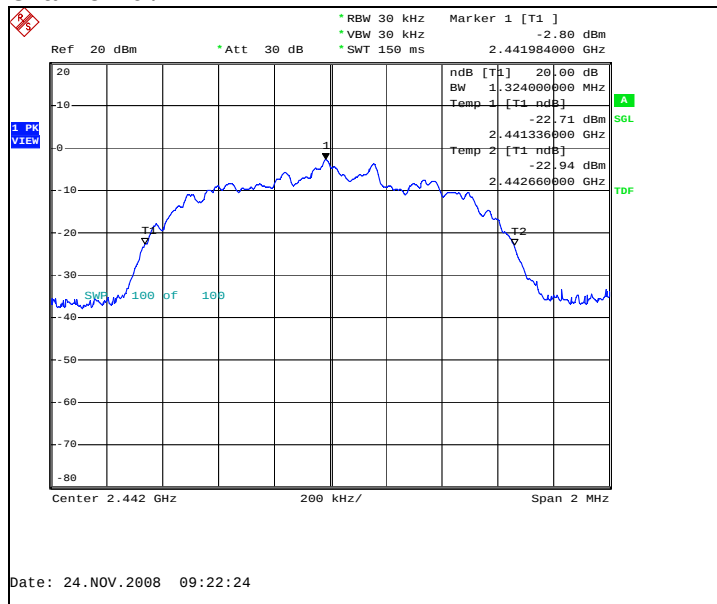
### 8.2.2 8DPSK modulation, PRBS packet type

| Channel / $f_c$ [MHz] | 20 dB bandwidth [kHz] | Result |
|-----------------------|-----------------------|--------|
| 0 / 2402              | 1324.000              | Pass   |
| 40 / 2442             | 1324.000              | Pass   |
| 78 / 2480             | 1320.000              | Pass   |

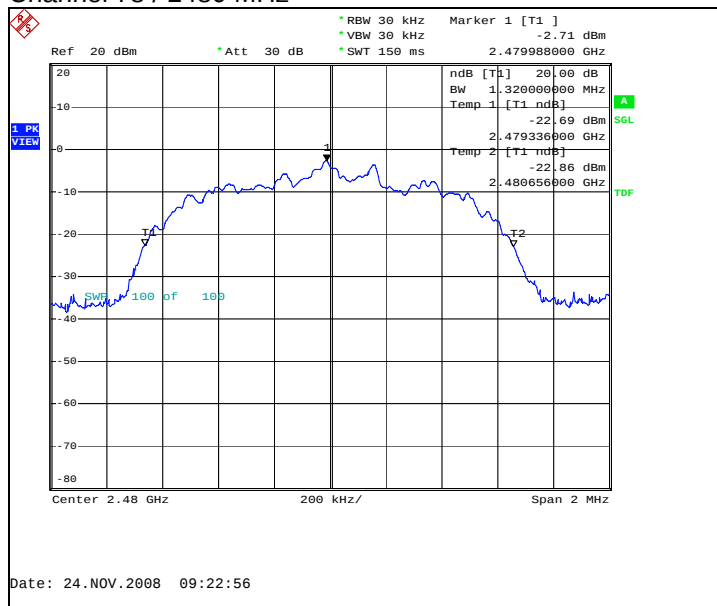
### Channel 0 / 2402 MHz



### Channel 40 / 2442 MHz



### Channel 78 / 2480 MHz



## 9. Carrier frequency separation (FCC §15.247(a)(1), RSS-210 A8.1 (2))

|                                                            |                                   |
|------------------------------------------------------------|-----------------------------------|
| <b>EUT with DUT number</b>                                 | RM-495 dut 26901, BL-5C dut 26912 |
| <b>Accessories with DUT numbers</b>                        | HS-125 dut 26910, AC-3E dut 26915 |
| <b>Operation Voltage [V] / [Hz]</b>                        | nominal                           |
| <b>Result</b>                                              | Passed                            |
| <b>Remarks</b>                                             | None                              |
| <b>Temp [°C] / Humidity [%RH] /<br/>Air Pressure [kPa]</b> | 23.5 / 34<br>99.55                |
| <b>Date of measurements</b>                                | 24-Nov-2008                       |
| <b>Measured by</b>                                         | Jan Engelbrechtsen                |

### 9.1. Test method and limit

The measurement is made according to Public notice DA 00-705 and IC standard RSS-210.

Limits for carrier frequency separation measurements

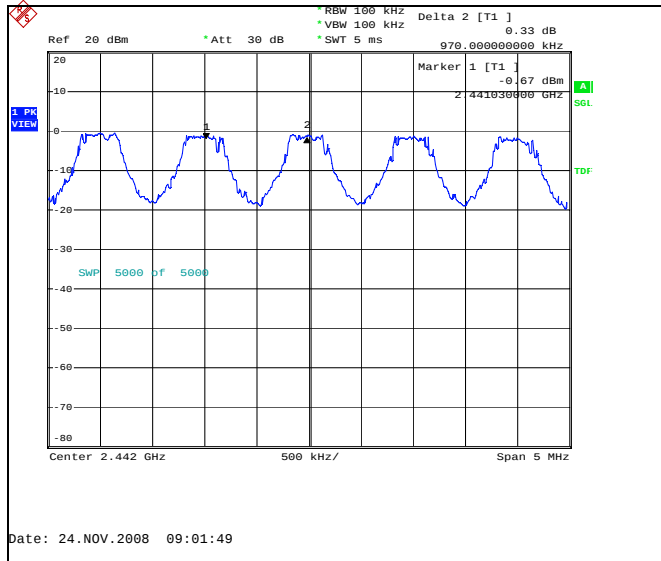
| <b>Limit [MHz]</b>                           |
|----------------------------------------------|
| $\geq 0.025$ or $2/3$ of the 20 dB bandwidth |

## 9.2. Bluetooth Test results

### 9.2.1 GFSK modulation, PRBS packet type

| Carrier frequency separation [kHz] | Result |
|------------------------------------|--------|
| 970                                | Pass   |

Hopping on, carrier frequency separation of channels 39 / 2441 MHz and 40 / 2442 MHz



### 9.2.2 8DPSK modulation, PRBS packet type

| Carrier frequency separation [kHz] | Result |
|------------------------------------|--------|
| 990                                | Pass   |

Hopping on, carrier frequency separation of channels 39 / 2441 MHz and 40 / 2442 MHz



## 10. Number of hopping frequencies (FCC §15.247(a)(1)(iii), RSS-210 A8.1 (4))

|                                                            |                                   |
|------------------------------------------------------------|-----------------------------------|
| <b>EUT with DUT number</b>                                 | RM-495 dut 26901, BL-5C dut 26912 |
| <b>Accessories with DUT numbers</b>                        | HS-125 dut 26910, AC-3E dut 26915 |
| <b>Operation Voltage [V] / [Hz]</b>                        | nominal                           |
| <b>Result</b>                                              | Passed                            |
| <b>Remarks</b>                                             | None                              |
| <b>Temp [°C] / Humidity [%RH] /<br/>Air Pressure [kPa]</b> | 23.5 / 34<br>99.55                |
| <b>Date of measurements</b>                                | 24-Nov-2008                       |
| <b>Measured by</b>                                         | Jan Engelbrechtsen                |

### 10.1. Test method and limit

The measurement is made according to Public notice DA 00-705 and IC standard RSS-210.

Limits for number of hopping frequencies measurements

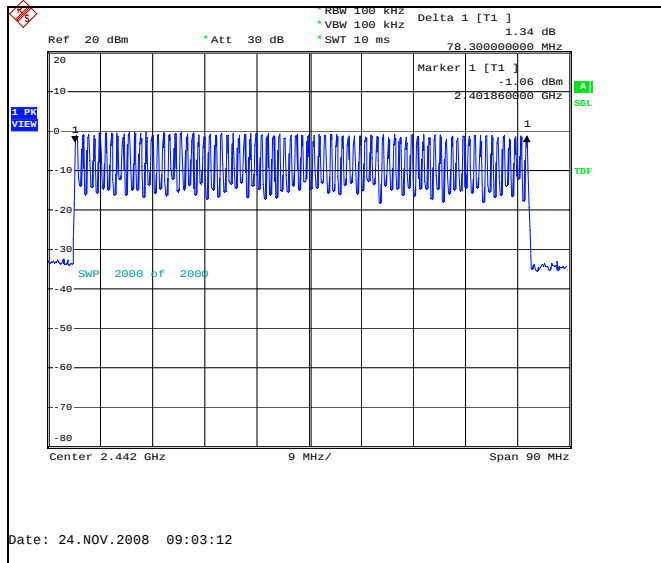
| <b>Limit [number]</b> |
|-----------------------|
| ≥ 15                  |

## 10.2. Bluetooth Test results

### 10.2.1 GFSK modulation, PRBS packet type

| Measured number of hopping frequencies | Result |
|----------------------------------------|--------|
| 78                                     | Pass   |

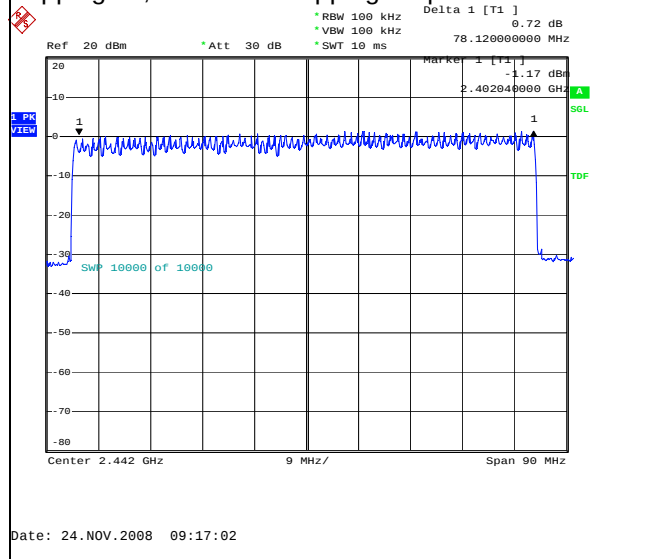
Hopping on, number of hopping frequencies



### 10.2.2 8DPSK modulation, PRBS packet type

| Measured number of hopping frequencies | Result |
|----------------------------------------|--------|
| 78                                     | Pass   |

Hopping on, number of hopping frequencies



## 11. Time of occupancy (FCC §15.247(a)(1)(iii), RSS-210 A8.1 (4))

|                                                            |                                   |
|------------------------------------------------------------|-----------------------------------|
| <b>EUT with DUT number</b>                                 | RM-495 dut 26901, BL-5C dut 26912 |
| <b>Accessories with DUT numbers</b>                        | HS-125 dut 26910, AC-3E dut 26915 |
| <b>Operation Voltage [V] / [Hz]</b>                        | nominal                           |
| <b>Result</b>                                              | Passed                            |
| <b>Remarks</b>                                             | None                              |
| <b>Temp [°C] / Humidity [%RH] /<br/>Air Pressure [kPa]</b> | 23.5 / 34<br>99.55                |
| <b>Date of measurements</b>                                | 24-Nov-2008                       |
| <b>Measured by</b>                                         | Jan Engelbrechtsen                |

### 11.1. Test method and limit

The measurement is made according to Public notice DA 00-705 and IC standard RSS-210 as follows:

The total time of occupancy is get by multiplying the measured number of transmissions occurred during 31.6 second period with the duration of one transmission.

Limits for time of occupancy measurements

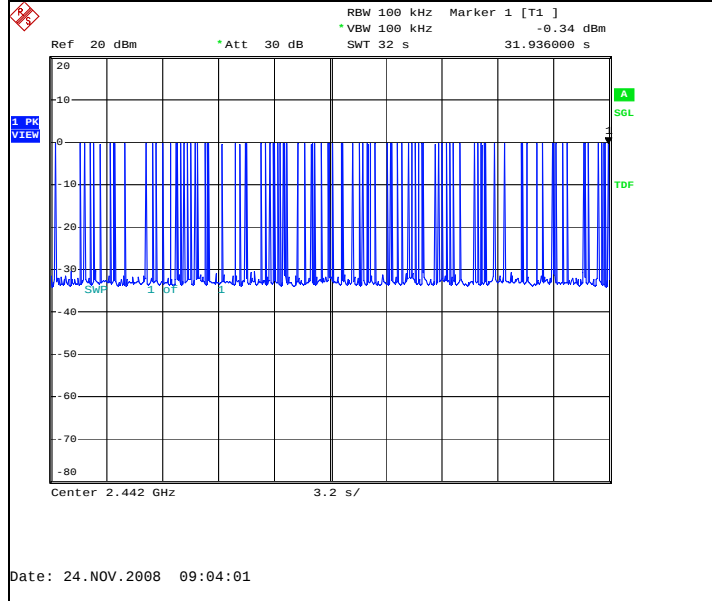
| <b>Limit [s]</b> |
|------------------|
| ≤ 0.4            |

## 11.2. Bluetooth test results

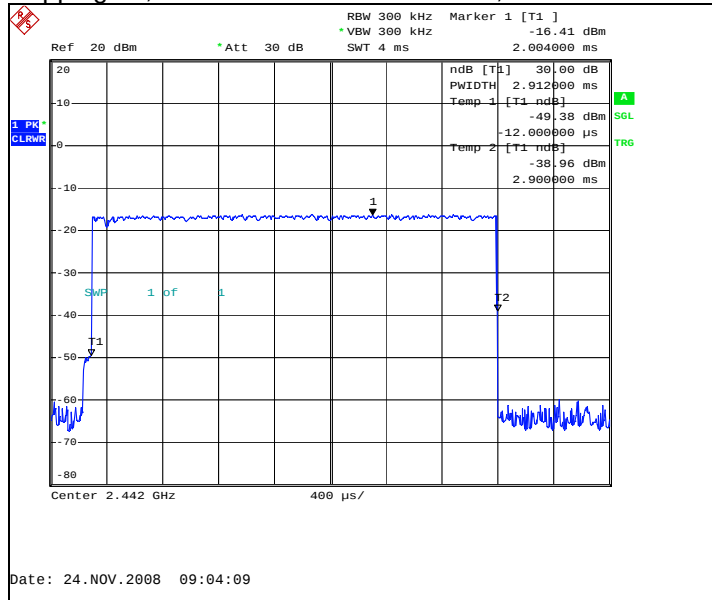
### 11.2.1 GFSK modulation, PRBS packet type

| Measured number of transmissions | Duration of one transmission [ $\mu$ s] | Time of occupancy [s] | Result |
|----------------------------------|-----------------------------------------|-----------------------|--------|
| 86                               | 2,912                                   | 0.250432              | Pass   |

Hopping on, number of transmissions, channel 40 / 2442 MHz



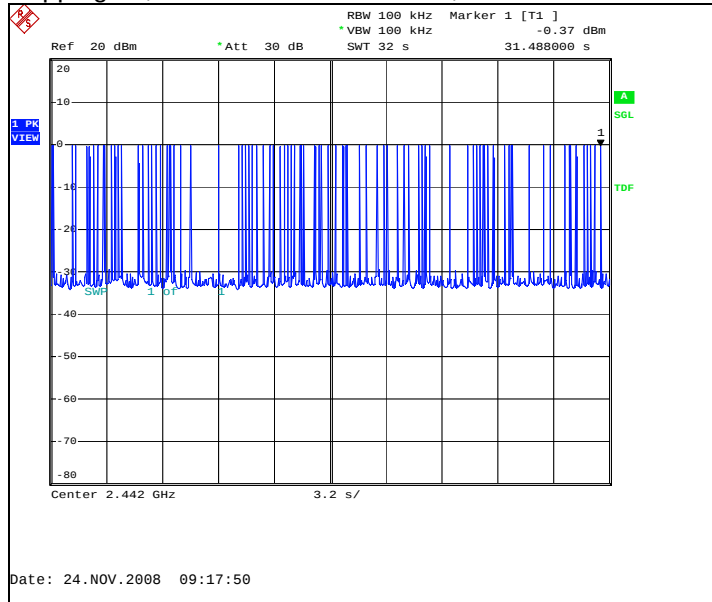
Hopping on, duration of one transmission, channel 40 / 2442 MHz



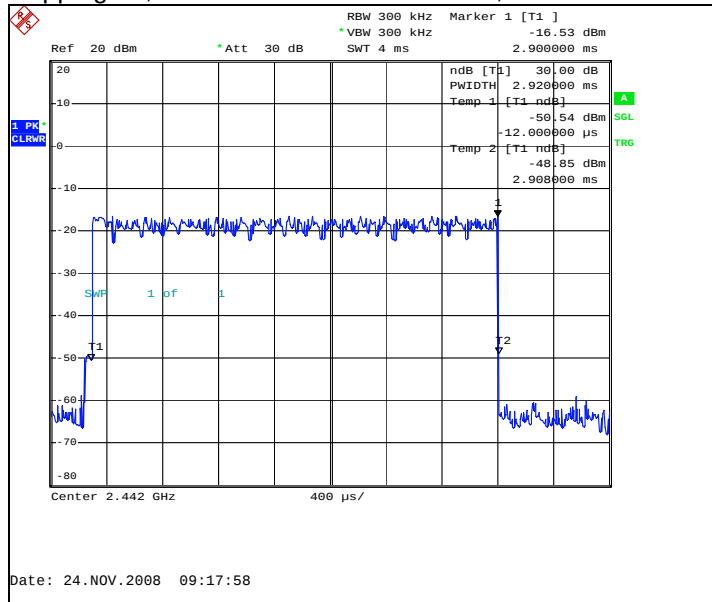
### 11.2.2 8DPSK modulation, PRBS packet type

| Measured number of transmissions | Duration of one transmission [ $\mu$ s] | Time of occupancy [s] | Result |
|----------------------------------|-----------------------------------------|-----------------------|--------|
| 82                               | 2,920                                   | 0.239440              | Pass   |

Hopping on, number of transmissions, channel 40 / 2442 MHz



Hopping on, duration of one transmission, channel 40 / 2442 MHz



## 12. Test Equipment

### 12.1. 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 Receiver 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 |

### 12.2. 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  | High pass 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 Controller 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 |