

## FCC Part 22/24 Compliance Test Report

|                                                         |                                                                                                                                                                                                                                                      |                                   |                                                                                                                                              |
|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Report no.:</b>                                 | Salo_FCC_0604_14.doc                                                                                                                                                                                                                                 | <b>Date of Report:</b>            | 31.01.2006                                                                                                                                   |
| <b>Number of pages:</b>                                 | 15                                                                                                                                                                                                                                                   | <b>Customer's Contact person:</b> | Robert Binder                                                                                                                                |
| <b>Testing laboratory:</b>                              | TCC Nokia Salo Laboratory<br>P.O. Box 86<br>Joensuunkatu 7H / Kiila 1B<br>FIN-24101 SALO, FINLAND<br>Tel. +358 (0) 7180 08000<br>Fax. +358 (0) 7180 45220                                                                                            | <b>Client:</b>                    | Nokia Corporation<br>Arco Tower<br>Shimomeguro 1-8-1<br>Meguro-ku<br>TOKYO 153-0064<br>JAPAN<br>Tel. +81 3 5759 7001<br>Fax. +81 3 5740 6858 |
| <b>FCC listing no.:</b>                                 | 533467                                                                                                                                                                                                                                               |                                   |                                                                                                                                              |
| <b>IC recognition no.:</b>                              | 5385                                                                                                                                                                                                                                                 |                                   |                                                                                                                                              |
| <b>Tested devices/ accessories:</b>                     | <b>Phone RM-55 / Battery BP-6M, AC-Charger AC-4E and Headset HS-23</b>                                                                                                                                                                               |                                   |                                                                                                                                              |
| <b>FCC ID:</b>                                          | QVVRM-55                                                                                                                                                                                                                                             | <b>IC:</b>                        | 661AE-RM55                                                                                                                                   |
| <b>Supplement reports:</b>                              | -                                                                                                                                                                                                                                                    |                                   |                                                                                                                                              |
| <b>Testing has been carried out in accordance with:</b> | <b>CFR 47, FCC rules Parts 22 and 24, TIA-603-B-2002 and IC standards RSS-GEN, RSS-132 and RSS-133. Deviations, modifications or clarifications (if any) to above mentioned documents are written in each section under "Test method and limit".</b> |                                   |                                                                                                                                              |
| <b>Documentation:</b>                                   | The test report must always be reproduced in full; reproduction of an excerpt only is subject to written approval of the testing laboratory. The documentation of the testing performed on the tested devices is archived for 15 years at TCC Nokia. |                                   |                                                                                                                                              |
| <b>Test Results:</b>                                    | <b>The EUT complies with the requirements in respect of all parameters subject to the test.</b><br>The test results relate only to devices specified in this document.                                                                               |                                   |                                                                                                                                              |
| <b>Date and signature for the contents:</b>             |                                                                                                                                                                                                                                                      |                                   |                                                                                                                                              |

**Tomi Lipponen, System Manager**

## 1. Summary for FCC Part 22/24 Compliance Test Report

|                               |                                                               |
|-------------------------------|---------------------------------------------------------------|
| Date of receipt               | 24.01.2006                                                    |
| Testing completed             | 30.01.2006                                                    |
| The customer's contact person | Robert Binder                                                 |
| Test Plan referred to         | T:\Projects\RM-55\EMC\Test Plans\Gundam_RM-55_RS_TestPlan.xls |
| Notes                         | -                                                             |
| Document name                 | T:\Projects\RM-55\EMC\Results\FCC\Salo_FCC_0604_14.doc        |

### 1.1. EUT and Accessory Information

The EUT is a quadri band (GSM900/1800/1900 and WCDMA2100) mobile phone with GPRS, EGPRS, Bluetooth and WLAN. The EUT is tested with maximum rated TX power, modulated with pseudo random bit sequence (PRBS9).

| Product    | Type  | SN                          | HW   | MV | SW       | DUT   |
|------------|-------|-----------------------------|------|----|----------|-------|
| Phone      | RM-55 | 004400/80/172229/7          | 4002 | -  | 2.0551.0 | 11017 |
| Battery    | BP-6M | 0670506393213M442110100024  | -    | -  | -        | 11021 |
| AC-Charger | AC-4E | 4090495395960100165;0675384 | -    | -  | -        | 11043 |
| Headset    | HS-23 | 350741542103                | -    | -  | -        | 11044 |

### 1.2. Summary of Test Results

#### GSM 1900:

| Section in CFR 47   | Section in RSS-133 | Name of the test                           | Result |
|---------------------|--------------------|--------------------------------------------|--------|
| §2.1046(a)          | 6.2                | Conducted RF output power                  | NP     |
| §24.232(b)          | 6.2                | Radiated RF output power                   | PASSED |
| §2.1049(h)          | 5.6                | 99 % occupied bandwidth                    | NP     |
| §24.238(a)          | 6.3                | Band edge compliance                       | PASSED |
| §24.238(a), §2.1051 | 6.3                | Spurious emissions at antenna terminals    | NP     |
| §24.238(a), §2.1053 | 6.3                | Spurious radiated emissions                | NP     |
| §2.1055(a)          | 7                  | Frequency stability, temperature variation | NP     |
| §2.1055(d)          | 7                  | Frequency stability, voltage variation     | NP     |

PASSED

FAILED

NP

The EUT complies with the essential requirements in the standard.

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

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

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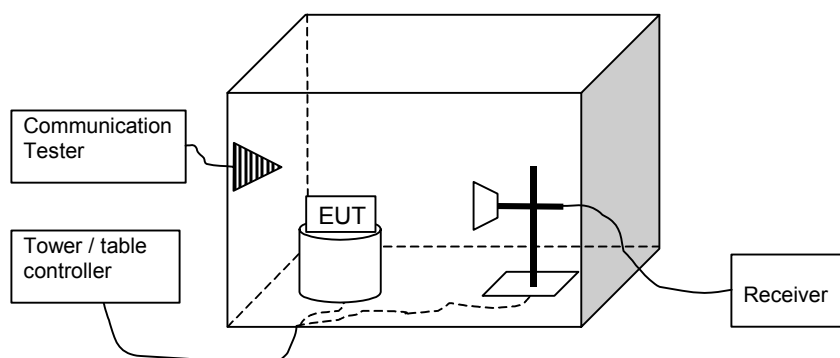
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## 2. Radiated RF output power

(FCC §22.913(a), §24.232(b), RSS-GEN 4.6, RSS-132 4.4, RSS-133 6.2)

|                                                            |                                                         |
|------------------------------------------------------------|---------------------------------------------------------|
| <b>EUT with DUT number</b>                                 | RM-55, DUT 11017                                        |
| <b>Accessories with DUT numbers</b>                        | BP-6M, DUT 11021; AC-4E, DUT 11043;<br>HS-23, DUT 11044 |
| <b>Operation Voltage [V] / [Hz]</b>                        | 115 / 60                                                |
| <b>Result</b>                                              | PASSED                                                  |
| <b>Remarks</b>                                             | -                                                       |
| <b>Temp [°C] / Humidity [%RH] /<br/>Air Pressure [kPa]</b> | 20 / 50 / 101.2                                         |
| <b>Date of measurements</b>                                | 30.01.2006                                              |
| <b>Measured by</b>                                         | Tomi Lipponen                                           |

### 2.1. Test setup



### 2.2. Test method and limit

The measurement is made according to TIA-603-B-2002 as follows:

The measurement is performed in the Anechoic Chamber with absorbers on the floor and measuring antenna at fixed height using 2-axis EUT position system. The turntable is rotated 360 degrees and this is repeated for both horizontal and vertical receive antenna polarizations.

The EUT is placed on a nonconductive plate at 170 cm height.

The substitution method is used. Substitution values at each frequencies are measured beforehand and saved to the test software.

The substitution corrections are obtained as described below:

$$A_{SUBST} = P_{SUBST\_TX} - P_{SUBST\_RX} - L_{SUBST\_CABLES} + G_{SUBST\_TX\_ANT}$$

Where  $A_{SUBST}$  is the final substitution correction including receive antenna gain.  $P_{SUBST\_TX}$  is signal generator level,  $P_{SUBST\_RX}$  is receiver level,  $L_{SUBST\_CABLES}$  is cable losses including both TX and RX cables and  $G_{SUBST\_TX\_ANT}$  is substitution antenna gain.

The measurement results are obtained as described below:

$$P [dBm] = P_{MEAS} + A_{TOT}$$

Where  $P_{MEAS}$  is receiver reading in dBm and  $A_{TOT}$  is total correction factor including cable loss and substitution correction ( $A_{TOT} = L_{CABLES} + A_{SUBST}$ ).

Limits for radiated RF output power measurements

| Frequency range [MHz] | Limit [W] | Limit [dBm] |
|-----------------------|-----------|-------------|
| 824 - 849             | 7         | 38.5        |
| 1850 - 1910           | 2         | 33          |

## 2.3. GSM 1900 Test results

GSM mode, Flip open

| Channel | EIRP [dBm] | EIRP [W] | $P_{MEAS}$ [dBm] | $A_{TOT}$ [dB] | Polarisation | Result |
|---------|------------|----------|------------------|----------------|--------------|--------|
| 512     | 29.20      | 0.832    | - 15.30          | 44.50          | HORIZONTAL   | PASSED |
| 661     | 31.90      | 1.549    | - 13.20          | 45.10          | VERTICAL     | PASSED |
| 810     | 29.20      | 0.832    | - 14.90          | 44.10          | HORIZONTAL   | PASSED |

GPRS mode, 2 TX Slots, Flip open

| Channel | EIRP [dBm] | EIRP [W] | $P_{MEAS}$ [dBm] | $A_{TOT}$ [dB] | Polarisation | Result |
|---------|------------|----------|------------------|----------------|--------------|--------|
| 512     | 29.80      | 0.955    | - 14.70          | 44.50          | HORIZONTAL   | PASSED |
| 661     | 32.40      | 1.738    | - 12.70          | 45.10          | HORIZONTAL   | PASSED |
| 810     | 30.40      | 1.096    | - 13.70          | 44.10          | HORIZONTAL   | PASSED |

GPRS mode, 3 TX Slot, Flip open

| Channel | EIRP [dBm] | EIRP [W] | $P_{MEAS}$ [dBm] | $A_{TOT}$ [dB] | Polarisation | Result |
|---------|------------|----------|------------------|----------------|--------------|--------|
| 512     | 28.00      | 0.631    | - 16.50          | 44.50          | HORIZONTAL   | PASSED |
| 661     | 30.50      | 1.122    | - 14.60          | 45.10          | VERTICAL     | PASSED |
| 810     | 28.50      | 0.708    | - 15.60          | 44.10          | HORIZONTAL   | PASSED |

EGPRS mode, 2 TX Slot, Flip open

| Channel | EIRP [dBm] | EIRP [W] | $P_{MEAS}$ [dBm] | $A_{TOT}$ [dB] | Polarisation | Result |
|---------|------------|----------|------------------|----------------|--------------|--------|
| 512     | 25.80      | 0.380    | - 18.70          | 44.50          | HORIZONTAL   | PASSED |
| 661     | 26.10      | 0.407    | - 19.00          | 45.10          | VERTICAL     | PASSED |
| 810     | 26.70      | 0.468    | - 19.40          | 46.10          | VERTICAL     | PASSED |

EGPRS mode, 3 TX Slot, Flip open

| Channel | EIRP [dBm] | EIRP [W] | $P_{MEAS}$ [dBm] | $A_{TOT}$ [dB] | Polarisation | Result |
|---------|------------|----------|------------------|----------------|--------------|--------|
| 512     | 27.60      | 0.575    | - 18.30          | 45.90          | VERTICAL     | PASSED |
| 661     | 26.30      | 0.427    | - 18.80          | 45.10          | VERTICAL     | PASSED |
| 810     | 25.20      | 0.331    | - 18.90          | 44.10          | HORIZONTAL   | PASSED |

GSM mode, Flip closed

| Channel | EIRP [dBm] | EIRP [W] | P <sub>MEAS</sub> [dBm] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|---------|------------|----------|-------------------------|-----------------------|--------------|--------|
| 512     | 32.30      | 1.698    | - 13.60                 | 45.90                 | VERTICAL     | PASSED |
| 661     | 30.70      | 1.175    | - 14.40                 | 45.10                 | HORIZONTAL   | PASSED |
| 810     | 29.00      | 0.794    | - 15.10                 | 44.10                 | HORIZONTAL   | PASSED |

GPRS mode, 2 TX Slots Flip closed

| Channel | EIRP [dBm] | EIRP [W] | P <sub>MEAS</sub> [dBm] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|---------|------------|----------|-------------------------|-----------------------|--------------|--------|
| 512     | 29.00      | 0.794    | - 15.50                 | 44.50                 | HORIZONTAL   | PASSED |
| 661     | 30.90      | 1.230    | - 14.20                 | 45.10                 | VERTICAL     | PASSED |
| 810     | 29.20      | 0.832    | - 14.90                 | 44.10                 | HORIZONTAL   | PASSED |

GPRS mode, 3 TX Slot Flip closed

| Channel | EIRP [dBm] | EIRP [W] | P <sub>MEAS</sub> [dBm] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|---------|------------|----------|-------------------------|-----------------------|--------------|--------|
| 512     | 28.20      | 0.661    | - 16.30                 | 44.50                 | HORIZONTAL   | PASSED |
| 661     | 28.70      | 0.741    | - 16.40                 | 45.10                 | HORIZONTAL   | PASSED |
| 810     | 27.70      | 0.589    | - 16.40                 | 44.10                 | HORIZONTAL   | PASSED |

EGPRS mode, 2 TX Slot Flip closed

| Channel | EIRP [dBm] | EIRP [W] | P <sub>MEAS</sub> [dBm] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|---------|------------|----------|-------------------------|-----------------------|--------------|--------|
| 512     | 26.80      | 0.479    | - 17.70                 | 44.50                 | HORIZONTAL   | PASSED |
| 661     | 27.00      | 0.501    | - 18.10                 | 45.10                 | HORIZONTAL   | PASSED |
| 810     | 25.30      | 0.339    | - 18.80                 | 44.10                 | HORIZONTAL   | PASSED |

EGPRS mode, 3 TX Slot Flip closed

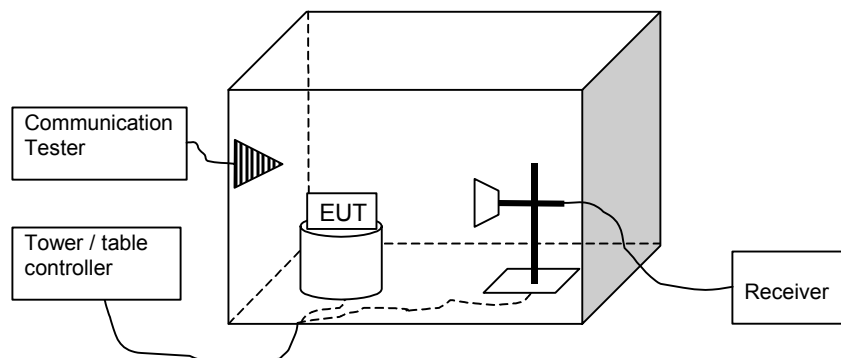
| Channel | EIRP [dBm] | EIRP [W] | P <sub>MEAS</sub> [dBm] | A <sub>TOT</sub> [dB] | Polarisation | Result |
|---------|------------|----------|-------------------------|-----------------------|--------------|--------|
| 512     | 26.20      | 0.417    | - 18.30                 | 44.50                 | HORIZONTAL   | PASSED |
| 661     | 26.20      | 0.417    | - 18.90                 | 45.10                 | HORIZONTAL   | PASSED |
| 810     | 24.90      | 0.309    | - 19.20                 | 44.10                 | HORIZONTAL   | PASSED |

### 3. Band edge compliance

(FCC §22.917(a), 24.238(a), RSS-GEN 4.7, RSS-132 4.5, RSS-133 6.3)

|                                                            |                                                         |
|------------------------------------------------------------|---------------------------------------------------------|
| <b>EUT with DUT number</b>                                 | RM-55, DUT 11017                                        |
| <b>Accessories with DUT numbers</b>                        | BP-6M, DUT 11021; AC-4E, DUT 11043;<br>HS-23, DUT 11044 |
| <b>Operation Voltage [V] / [Hz]</b>                        | 115 / 60                                                |
| <b>Result</b>                                              | PASSED                                                  |
| <b>Remarks</b>                                             | -                                                       |
| <b>Temp [°C] / Humidity [%RH] /<br/>Air Pressure [kPa]</b> | 20 / 50 / 101.2                                         |
| <b>Date of measurements</b>                                | 30.01.2006                                              |
| <b>Measured by</b>                                         | Tomi Lipponen                                           |

#### 3.1. Test setup



#### 3.2. Test method and limit

The measurement is made according to FCC rules part 22 and 24 and IC standards RSS-GEN, RSS-132 and RSS-133.

Limits for band edge compliance measurements

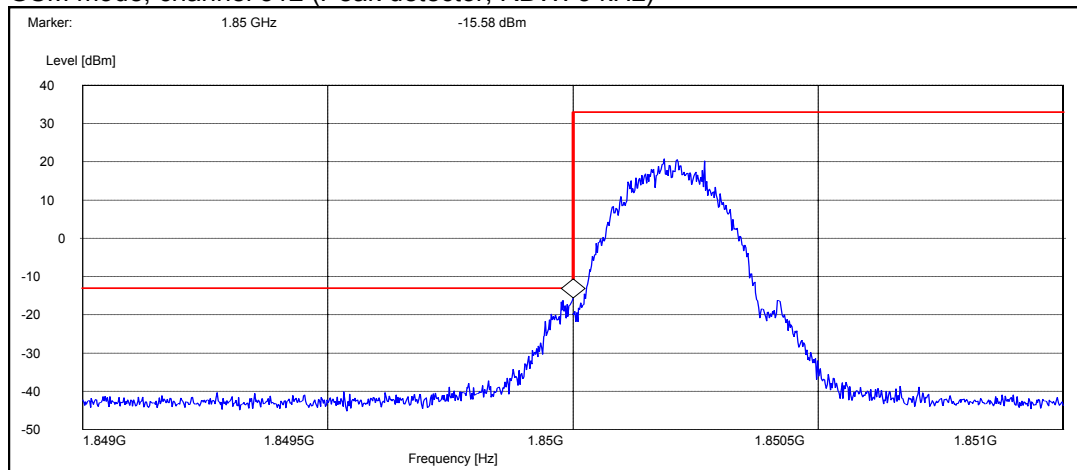
| Operation band        | Frequency range [MHz]     | Limit [dBm] |
|-----------------------|---------------------------|-------------|
| GSM 850 / WCDMA 850   | Below 824 and above 849   | -13         |
| GSM 1900 / WCDMA 1900 | Below 1850 and above 1910 | -13         |

### 3.3. GSM 1900 Test results

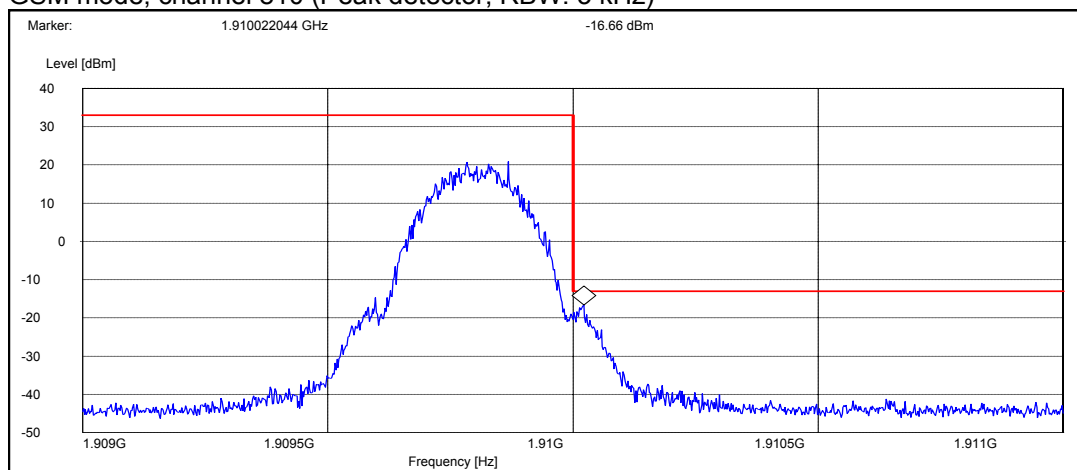
#### FLIP OPEN

| Operation mode (TX on) | Channel | Level [dBm] |
|------------------------|---------|-------------|
| GSM                    | 512     | -15.58      |
| GSM                    | 810     | -16.66      |
| EGPRS, 2 TX slots      | 512     | -21.17      |
| EGPRS, 2 TX slots      | 810     | -24.73      |
| EGPRS, 3 TX slots      | 512     | -18.49      |
| EGPRS, 3 TX slots      | 810     | -24.62      |

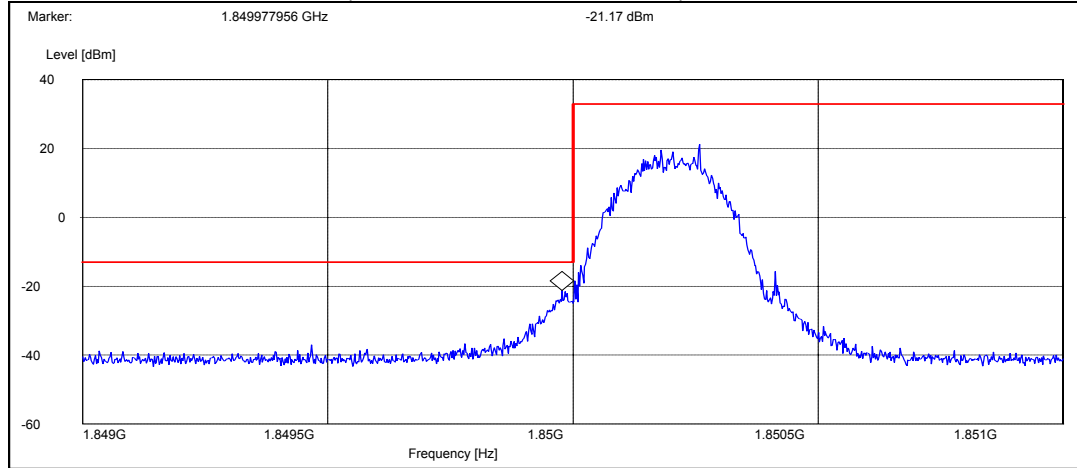
GSM mode, channel 512 (Peak detector, RBW: 3 kHz)



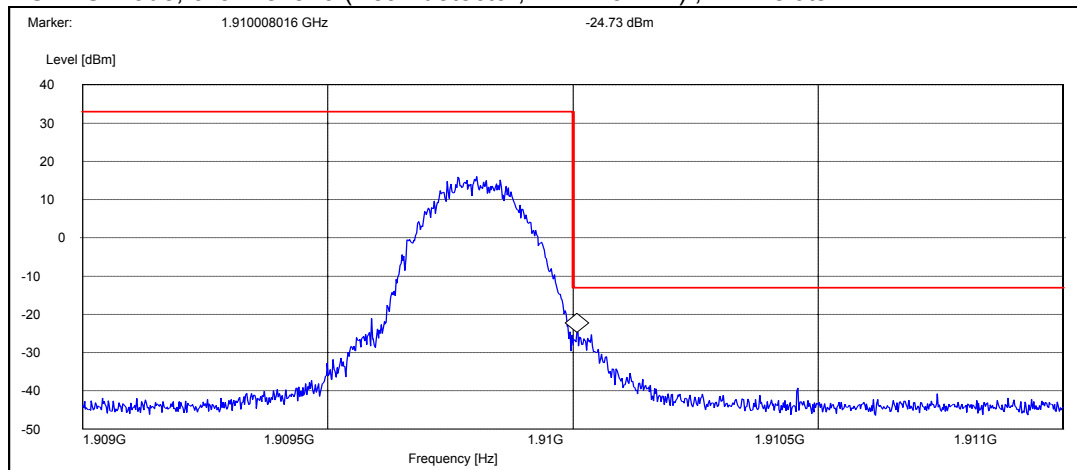
GSM mode, channel 810 (Peak detector, RBW: 3 kHz)



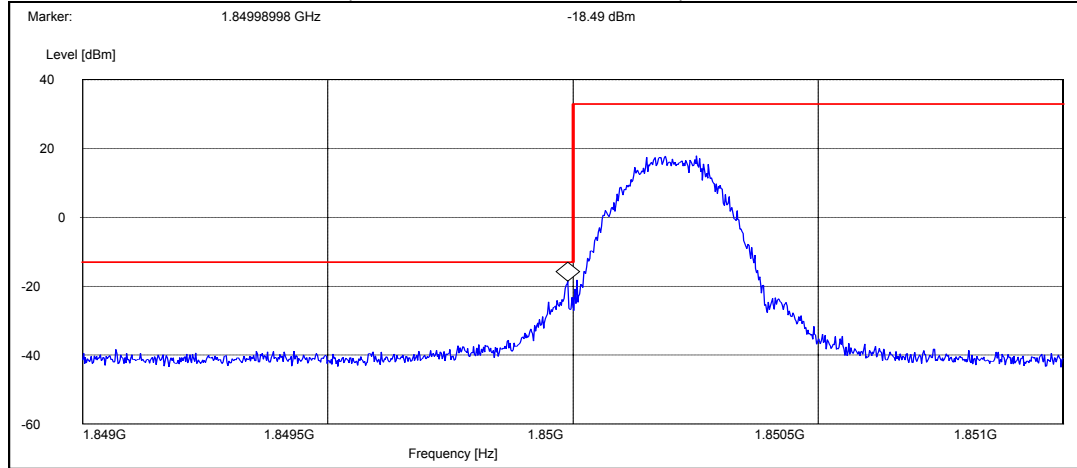
EGPRS mode, channel 512 (Peak detector, RBW: 3 kHz) , 2 TX slots



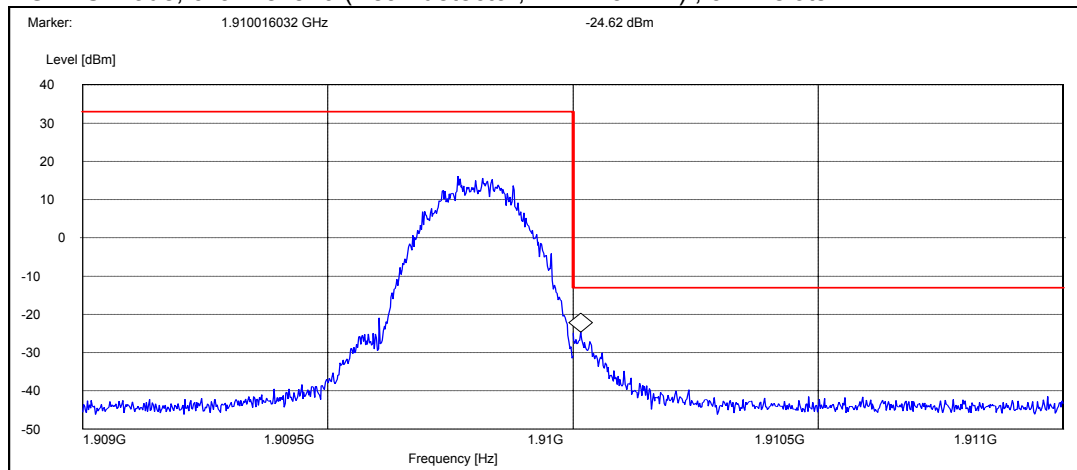
EGPRS mode, channel 810 (Peak detector, RBW: 3 kHz) , 2 TX slots



EGPRS mode, channel 512 (Peak detector, RBW: 3 kHz) , 3 TX slots



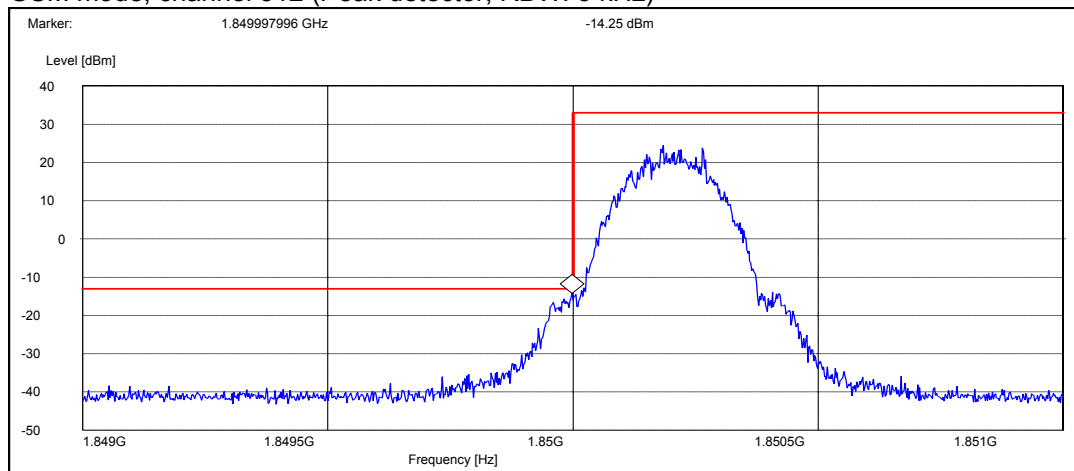
EGPRS mode, channel 810 (Peak detector, RBW: 3 kHz) , 3 TX slots



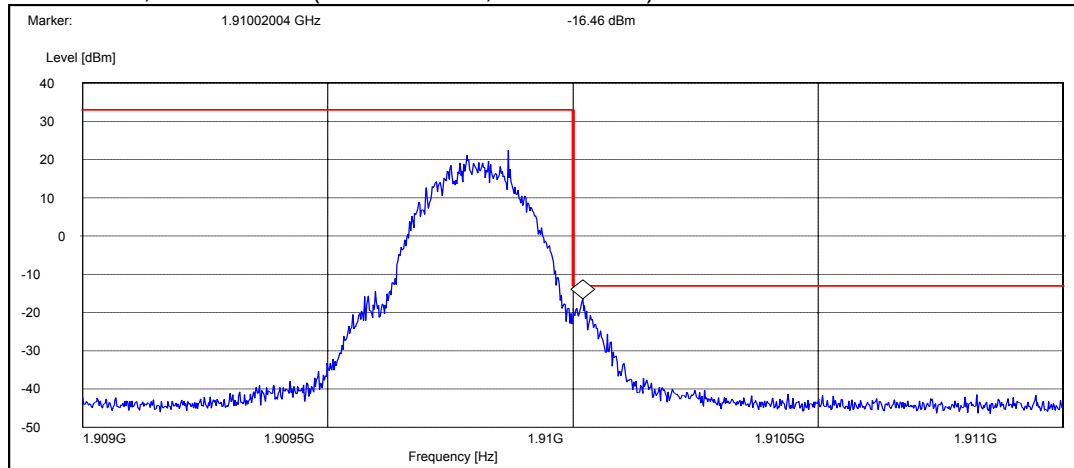
## FLIP CLOSED

| Operation mode (TX on) | Channel | Level [dBm] |
|------------------------|---------|-------------|
| GSM                    | 512     | -14.25      |
| GSM                    | 810     | -16.46      |
| EGPRS, 2 TX slots      | 512     | -20.93      |
| EGPRS, 2 TX slots      | 810     | -23.99      |
| EGPRS, 3 TX slots      | 512     | -25.13      |
| EGPRS, 3 TX slots      | 810     | -23.41      |

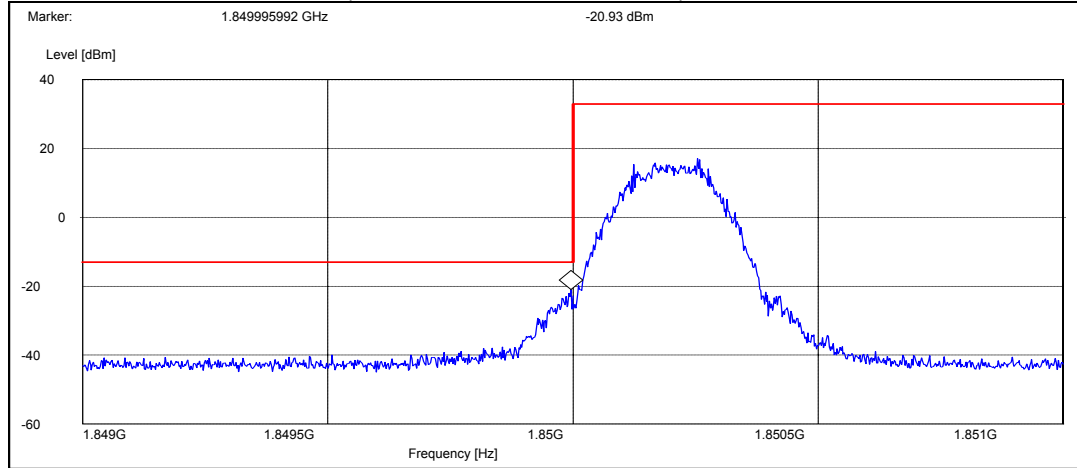
### GSM mode, channel 512 (Peak detector, RBW: 3 kHz)



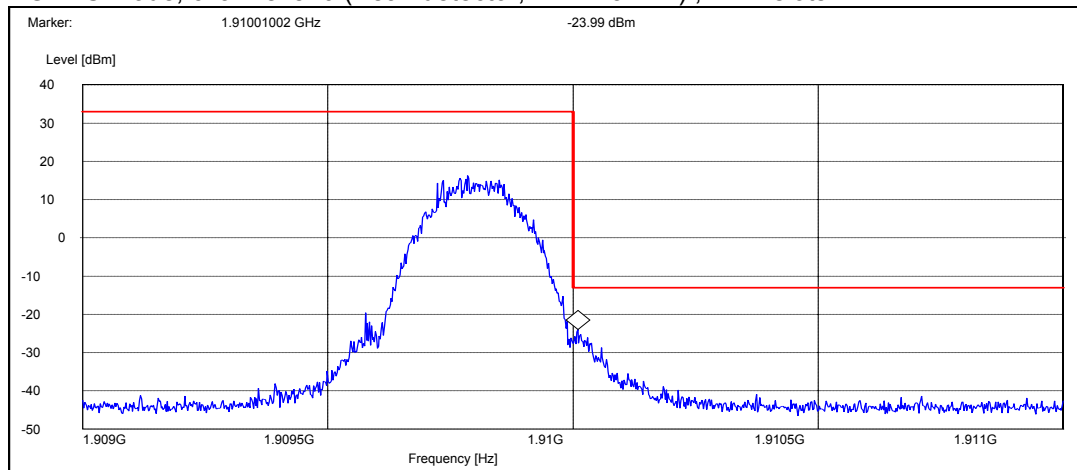
### GSM mode, channel 810 (Peak detector, RBW: 3 kHz)



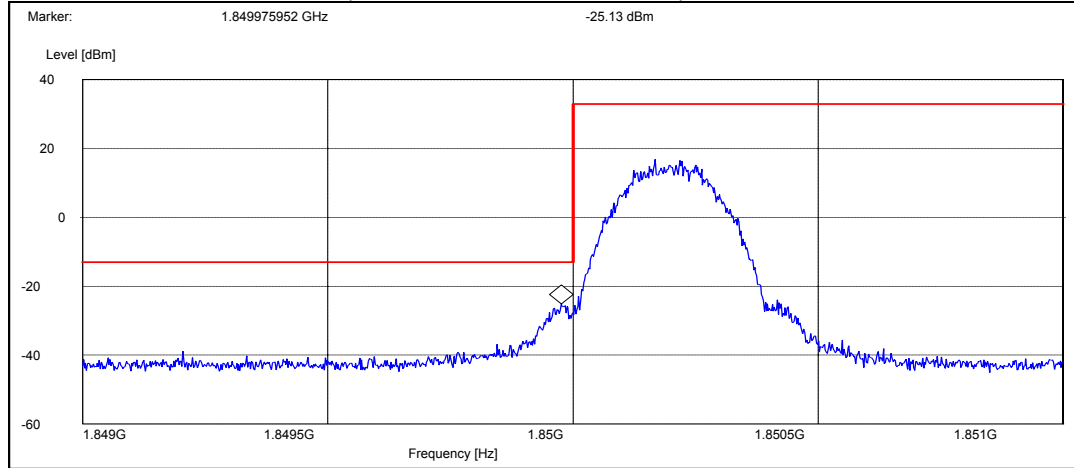
EGPRS mode, channel 512 (Peak detector, RBW: 3 kHz) , 2 TX slots



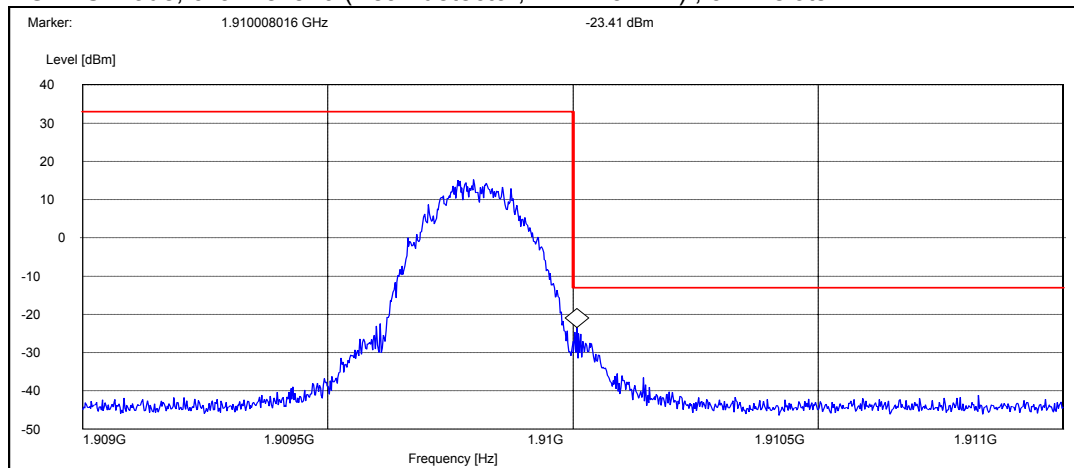
EGPRS mode, channel 810 (Peak detector, RBW: 3 kHz) , 2 TX slots



EGPRS mode, channel 512 (Peak detector, RBW: 3 kHz) , 3 TX slots



EGPRS mode, channel 810 (Peak detector, RBW: 3 kHz) , 3 TX slots



## 4. Test Equipment

### 4.1. Conducted measurements

| Eq. No | Equipment                          | Type            | Manufacturer            | Used in         |
|--------|------------------------------------|-----------------|-------------------------|-----------------|
| 1742   | EMI Test Receiver                  | ESMI            | R&S                     | 15C, 15B        |
| 1759   | LISN 50 µH                         | ESH3-Z5         | R&S                     | 15C, 15B        |
| 1872   | Thermo- Hygrograph                 | 00.02520.150700 | Lambrecht               | 15C, 15B        |
| 1916   | Radio Communication tester         | CMTA84          | R&S                     | 15C, 15B        |
| 2039   | Power Supply                       | PL330QMD        | THURLBY                 | 15C, 15B        |
| 2060   | LISN 50 µH                         | ESH3-Z5         | R&S                     | 15C, 15B        |
| 2068   | CDN-Antenna line                   | S1              | NMP                     | 15C, 15B        |
| 2097   | Pulse Limiter                      | ESH3-Z2         | R&S                     | 15C, 15B        |
| 2111   | Multimeter                         | TX3             | Tektronix               | 15C, 15B        |
| 2156   | Digital Radio Communication Tester | CMU200          | R&S                     | 15C, 15B        |
| 2206   | Signal generator                   | SMX             | R&S                     | 15C, 15B        |
| 2335   | GPIB Switch 2 to 1                 | -               | National Instruments    | 15C, 15B        |
| 2347   | Digital Radio Communication Tester | CMU200          | R&S                     | 22/24, 15C, 15B |
| 2352   | Spectrum Analyzer                  | FSP             | R&S                     | 22/24, 15C      |
| 2359   | Temperature Test system            | VT4002          | Vötsch Industrietechnik | 22/24           |
| 2360   | Serial Bus Converter               | Serial 488A     | IO Tech                 | 22/24           |
| 2362   | Power Supply                       | NGPX 70/5       | R&S                     | 22/24           |
| -      | RF Emission Software               | ES-K1 v.1.60    | R&S                     | 15C, 15B        |

### 4.2. Radiated measurements

| Eq. No | Equipment                           | Type                   | Manufacturer | Used in         |
|--------|-------------------------------------|------------------------|--------------|-----------------|
| 1748   | Log. per. Antenna                   | HL025                  | R&S          | 22/24, 15C      |
| 1749   | Log. per. Antenna                   | HL025                  | R&S          | 22/24, 15C      |
| 1875   | Thermo- Hygrograph                  | 00.02520.150700        | Lambrecht    | 22/24, 15C, 15B |
| 1917   | Radio Communication tester          | CMTA84                 | R&S          | 22/24, 15C, 15B |
| 1933   | Precision half-wave dipole antennas | HZ-13                  | R&S          | 22/24, 15C      |
| 1938   | Precision half-wave dipole antennas | HZ-12                  | R&S          | 22/24, 15C      |
| 2006   | Radiation Reference Source          | VSQ                    | MEB          | 22/24, 15C, 15B |
| 2009   | Signal generator                    | SMP 22                 | R&S          | 22/24, 15C, 15B |
| 2019   | Multimeter                          | 34401A                 | HP           | 22/24, 15C, 15B |
| 2027   | Coupling and Decoupling Network     | M2 (modified) DC1      | MEB          | 22/24, 15C, 15B |
| 2028   | Coupling and Decoupling Network     | M3 (modified) DC2      | MEB          | 22/24, 15C, 15B |
| 2029   | Power Supply                        | PL330                  | THURLBY      | 22/24, 15C      |
| 2043   | Band Reject Filter                  | WRCA824/849-0,2-6SS    | Wainwright   | 22/24, 15C, 15B |
| 2047   | Band Reject Filter                  | WRCC1800/2000-0.2-10SS | Wainwright   | 22/24, 15C, 15B |
| 2051   | High Pass Filter                    | 4HC1700-1-KK           | R&S          | 22/24, 15C      |
| 2057   | Log. per. Antenna                   | HL025                  | R&S          | 22/24, 15C      |
| 2109   | Power Supply                        | PL330QMD               | THURLBY      | 22/24, 15C, 15B |

| Eq. No | Equipment                          | Type                               | Manufacturer         | Used in         |
|--------|------------------------------------|------------------------------------|----------------------|-----------------|
| 2110   | Multimeter                         | 34401A                             | HP                   | 22/24, 15C, 15B |
| 2112   | Multimeter                         | TX3                                | Tektronix            | 22/24, 15C, 15B |
| 2116   | Controller                         | EMCO MODEL 2090                    | ETS                  | 22/24, 15C, 15B |
| 2133   | Power Meter                        | NRVS                               | R&S                  | 22/24, 15C      |
| 2134   | Power Sensor                       | NRV-Z32                            | R&S                  | 22/24, 15C      |
| 2135   | Coupling and Decoupling Network    | CDN 801-M3                         | LÜTHI                | 22/24, 15C, 15B |
| 2138   | Ultra Broadband Antenna            | HL562                              | R&S                  | 22/24, 15C, 15B |
| 2140   | Biconical Antenna                  | EMCO93110B                         | EMCO                 | 22/24, 15C      |
| 2142   | Log.-per.-dipol Antenna            | 3146                               | EMCO                 | 22/24, 15C      |
| 2144   | Attenuator                         | 6803.17B                           | Huber-Suhner         | 22/24, 15C, 15B |
| 2150   | High Pass Filter                   | F-15041                            | RLC ELECTRONICS      | 22/24, 15C      |
| 2176   | Coupling and Decoupling Network    | CDN 801-M3                         | LÜTHI                | 22/24, 15C, 15B |
| 2180   | Digital Radio Communication Tester | CMU200                             | R&S                  | 22/24, 15C, 15B |
| 2188   | Preamplifier                       | AFS4-00100300-20-23P-6             | MITEQ                | 22/24, 15C, 15B |
| 2330   | EMI Test receiver                  | ESIB26                             | R&S                  | 22/24, 15C, 15B |
| 2334   | GPIO Switch 2 to 1                 | -                                  | National Instruments | 22/24, 15C, 15B |
| 2348   | Yaesu controller                   | G-1000DXC                          | YAESU                | 22/24, 15C, 15B |
| 2349   | Computer controller (Yaesu)        | GS-232B                            | YAESU                | 22/24, 15C, 15B |
| 2350   | Preamplifier                       | AMF-6D-020180-29-20P               | MITEQ                | 22/24, 15C      |
| 2361   | Anechoic chamber                   | 3 meter semi/full anechoic chamber | Euroshield           | 22/24, 15C, 15B |
| 2398   | Horn antenna                       | HF906                              | R&S                  | 22/24, 15C      |
| 2363   | Band Reject Filter                 | WRCG 832/838-825/845/5SS           | Wainwright           | 22/24           |
| 2364   | Band Reject Filter                 | WRCG1877/1883 - 1870/1890-40/6SS   | Wainwright           | 22/24           |
| 2365   | Relay Switch Unit                  | TS-RSP                             | R&S                  | 22/24, 15C, 15B |
| 2366   | Relay Switch Unit                  | TS-RSP                             | R&S                  | 22/24, 15C, 15B |
| -      | RF Emission Software               | ES-K1 v.1.71                       | R&S                  | 22/24, 15C, 15B |