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Federal Communications Commission
Anechoic chamber registration no.: 90462 (FCC)
Anechoic chamber registration no.: IC 3462C-1
TCB ID: DE 0001



Accredited by the
German Accreditation Council
DAR-Registration Number
DGA-PL-176/94-D1



Accredited Bluetooth® Test Facility (BQTF)

Test report no. : 1-1732-01-11A/09
Applicant : Oticon A/S
Type : RITE 3M84
Test Standard : 47 CFR Part15
RSS-210 Issue 7
FCC ID : U28FURIT03
Certification No. IC : 1350B-FURIT03

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1. Administrative data

1.1. Administrative data of the test facility

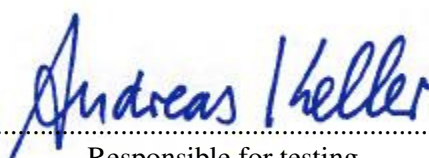
1.1.1 Identification of the testing laboratory

| | |
|-------------------------------------|---|
| Company name: | Cetecom ICT Services GmbH |
| Address: | Untertürkheimerstr. 6-10 D-66117 Saarbruecken Germany |
| Laboratory accreditation: | DAR-Registration No. DGA-PL-176/94-D1 Bluetooth Qualification Test Facility (BQTF) |
| Responsible for testing laboratory: | Dipl.-Ing. (FH) Stefan Bös Phone: +49 681 598 0 Fax: +49 681 598 9075 email: info@ict.cetecom.de |


.....
Responsible for testing laboratory
(Dipl.-Ing. (FH) Stefan Bös)

1.1.2 Organizational items

| | |
|--------------------------|-----------------------|
| Reference No.: | 1-1732-01-11/09 |
| Order No.: | -/- |
| Receipt of EUT: | 2010-01-06 |
| Date(s) of test: | 2010-01-11/2010-01-12 |
| Date of report: | 2010-02-26 |
| Number of report pages: | 24 |
| Number of pages (annex): | 7 |
| ----- | |
| Version of template: | 1.8 |


.....
Responsible for testing
(Andreas Keller)

Note:

The test results of this test report relate exclusively to the item tested as specified in this report. The CETECOM ICT Services GmbH does not assume responsibility for any conclusions and generalizations drawn from the test results with regard to other specimens or samples of the type of the equipment represented by the test item.

The test report may only be reproduced or published in full. Reproduction or publication of extracts from the report requires the prior written approval of the CETECOM ICT Services GmbH.

During the test no hardware and software changes are allowed to be performed at the EUT.

1.1.3 Applicant's details

| | |
|-------------------|---|
| Applicant's name: | Oticon A/S |
| Address: | Kongebakken 9 2765 Smørum Denmark Tel: +45 39 17 71 00 Fax: +45 39 27 79 00 Email: http://www.oticon.com |
| Contact person: | Mr. Jørgen Peter Hanuscheck Tel: +45 39 13 85 38 Fax: -/- Email: jnp@oticon.dk |

1.2 Administrative data of manufacturer / member

| | |
|----------------------|---|
| Manufacturer's name: | Oticon A/S |
| Address: | Kongebakken 9 2765 Smørum Denmark Tel: +45 39 17 71 00 Fax: +45 39 27 79 00 Email: http://www.oticon.com |
| Contact person: | Mr. Jørgen Peter Hanuscheck Tel: +45 39 13 85 38 Fax: -/- Email: jnp@oticon.dk |

1.3 Description of the Equipment under test (EUT)

1.3.1 EUT: Type, S/N etc.

| | | |
|--|---|--|
| Type of equipment | : | Hearing Aid RITE 3M84 |
| Model name | : | TX (test mode duty cycle 22%): 15265907, 15265913, 15265909 RX : 15265908, 15266026, 15266027 |
| Manufacturer | : | Oticon A/S |
| Address | : | Kongebakken 9 |
| City | : | 2765 Smørum |
| Country | : | Denmark |
| Tested to Radio Standards Specification(RSS) No. | : | 210 Issue 7 |
| Open Area Test Site Industry Canada Number | : | IC 3462C |
| Frequency Range (or fixed frequency) | : | TX: 3.8 MHz |
| Field Strength | : | -11 dB μ V/m @ 30m |
| Occupied Bandwidth (99% BW) | : | 363kHz |
| Type of Modulation | : | A1D |
| Antenna Information | : | Integrated coil antenna |
| Emission Designator | : | 363KA1D |
| Transmitter Spurious (worst case) | : | 23.2dB μ V/m @ 10m (noise floor) |
| Receiver Spurious (worst case) | : | 23.1dB μ V/m @ 10m (noise floor) |
| IC no. | : | U28FURIT03 |
| FCC ID | : | 1350B-FURIT03 |

ATTESTATION:

DECLARATION OF COMPLIANCE:

I declare that the testing was performed or supervised by me; that the test measurements were made in accordance with the above-mentioned Industry Canada standard(s); and that the equipment identified in this application has been subjected to all the applicable test conditions specified in the Industry Canada standards and all of the requirements of the standard have been met.

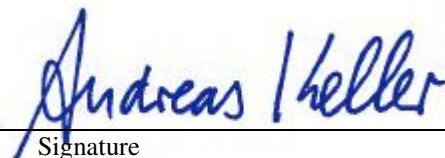
Laboratory Manager:

2010-02-12

Date

Andreas Keller

Name



Signature

1.3.2 RF Technical Brief Cover Sheet acc. To RSS-102

All Fields must be completed with the requested information or the following codes: N/A for Not Applicable, N/P for Not Performed or N/V for Not Available. Where applicable, check appropriate box.

1. COMPANY NUMBER: 1350B
2. MODEL NUMBER: RITE 3M84
3. MANUFACTURER: Oticon A/S
4. TYPE OF EVALUATION: N/A

(c) RF Evaluation

- Evaluated against exposure limits: General Public Use Controlled Use
- Duty cycle used in evaluation: %
- Standard used for evaluation: RSS-102 Issue 2 (2005-11)
- Measurement distance: 0.20 m
- RF value: _____ V/m A/m W/m
- Measured Computed Calculated

Declaration of RF Exposure Compliance

ATTESTATION: I attest that the information provided in this test report is correct; that a Technical Brief was prepared and the information it contains is correct; that the device evaluation was performed or supervised by me; that applicable measurement methods and evaluation methodologies have been followed and that the device meets the SAR and/or RF exposure limits of RSS-102.

Name:



Andreas KELLER
Company: Cetecom ICT Services GmbH
2010-02-12

1.4 Test Setup

| | | |
|----------|---|--------|
| Hardware | : | Rev 11 |
| Software | : | Rev 14 |

1.5 Test Specifications

| | |
|-------------|----------------------------------|
| FCC: | CFR Part 15.209, CFR Part 15.223 |
| IC: | RSS 210, Issue 7 |

1.6 Test Specifications

Manufacturer statement:

The RF-carrier frequency in Oticon's wireless hearing aids, targeted for 3.84 MHz, is in the current Fusion platform generated by an RC-oscillator in turn feeding an LC-tank circuit in the transceiver. In other words, there is NO stable crystal oscillator and NO closed phase lock loop keeping the oscillator frequency in place. Furthermore, due to tolerances of the self induction of the antenna coil, which is part of the RF-tank circuit, and tolerances of the parallel capacitors, the initial carrier frequency tolerance of the RF-carrier is about plus and minus 2.5%. Finally due to the configuration of the RF-carrier frequency generating parts as described above an uncorrelated temperature drift of about plus and minus 2% can be added to the initial tolerance, resulting in an overall frequency accuracy of about plus minus 4.5% worst case!

2 Statement of Compliance

No deviations from the technical specification(s) were ascertained in the course of the tests performed.

2.1 Summary of Measurement Results

2.1.1 CFR 47 Part 15 Radio frequency devices

| Section in this Report | Test Name / Section FCC Part 15 | Test Name / Section RSS 210 Issue 7 | applicable | Verdict |
|------------------------|--|-------------------------------------|------------|---------|
| 4.1 | § 15.35 (c) Timing of the transmitter | -/- | YES | Passed |
| 4.2 | § 15.209 (a) FIELDSTRENGTH OF FUNDAMENTAL | 2.6 | YES | Passed |
| 4.3 | § 15.209 (a) FIELDSTRENGTH OF HARMONICS and SPURIOUS | 2.6 | YES | Passed |
| 4.4 | § 15.109 Receiver spurious emissions (radiated) | 2.6 | YES | Passed |
| 4.5 | § 15.107 / 15.207 Conducted Limits | -/- | NO | -/- |

3 Measurements and results

The radiated measurements are performed in vertical and horizontal plane in the frequency range from 9 kHz to 20 GHz in semi-anechoic chambers. The EUT is positioned on a non-conductive support with a height of 0.80 m above a conductive ground plane that covers the whole chamber.

The receiving antennas conform with specifications ANSI C63.2-1996 clause 15 and ANSI C63.4-2003 clause 4.1.5. These antennas can be moved over the height range between 1.0 m and 4.0 m in order to search for maximum field strength emitted from EUT. The measurement distances between EUT and receiving antennas are indicated in the test set-ups for the various frequency ranges. For each measurement, the EUT is rotated in all three axes until the maximum field strength is received.

The wanted and unwanted emissions are received by spectrum analysers where the detector modes and resolution bandwidths over various frequency ranges are set according to requirement ANSI C63.4-2003 clause 4.2.

Antennas conform with ANSI C63.2-1996 item 15.

9 kHz - 30 MHz: Quasi Peak measurement, 9 kHz Bandwidth, active loop antenna.

30 MHz - 200 MHz: Quasi Peak measurement, 120kHz Bandwidth, trilob antenna

200MHz - 1GHz: Quasi Peak measurement, 120kHz Bandwidth, trilob antenna

>1GHz: Average, RBW 1MHz, VBW 10 Hz, wave guide horn

All measurement settings are according to FCC 15.209 and 15.207

4 FCC Part 15 Subpart C

4.1 Timing of the transmitter

Reference

| | |
|------|--------------------------------|
| FCC: | CFR Part SUBCLAUSE § 15.35 (c) |
| IC: | -/- |

Duty cycle of the samples with test mode: 22% (declared by the manufacturer).

In normal use the duty cycle is approximately 2.5% (declared by the manufacturer).

Limits: § 15.35 (c)

(c) Unless otherwise specified, e.g. Section 15.255(b), when the radiated emission limits are expressed in terms of the average value of the emission, and pulsed operation is employed, the measurement field strength shall be determined by averaging over one complete pulse train, including blanking intervals, as long as the pulse train does not exceed 0.1 seconds. As an alternative (provided the transmitter operates for longer than 0.1 seconds) or in cases where the pulse train exceeds 0.1 seconds, the measured field strength shall be determined from the average absolute voltage during a 0.1 second interval during which the field strength is at its maximum value. The exact method of calculating the average field strength shall be submitted with any application for certification or shall be retained in the measurement data file for equipment subject to notification or verification.

4.2 Field strength of the fundamental / bandwidth

§ 15.209 (a)

Reference

| | |
|------|-----------------------------|
| FCC: | CFR Part SUBCLAUSE § 15.223 |
| IC: | RSS 210, Issue 7, 2.3 |

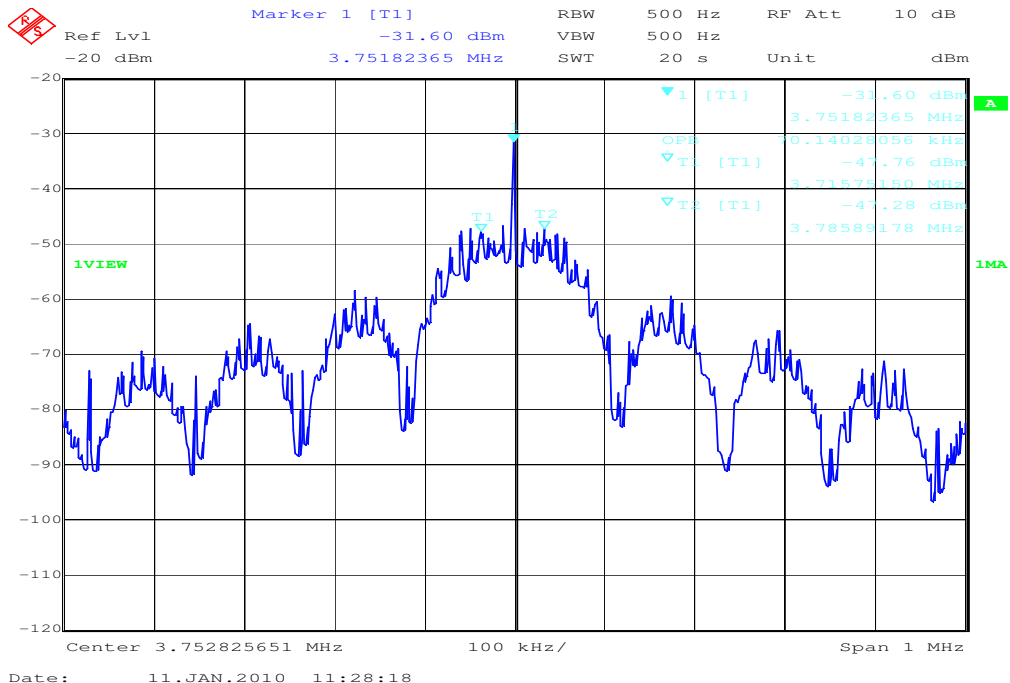
Sample 15265907

Results:

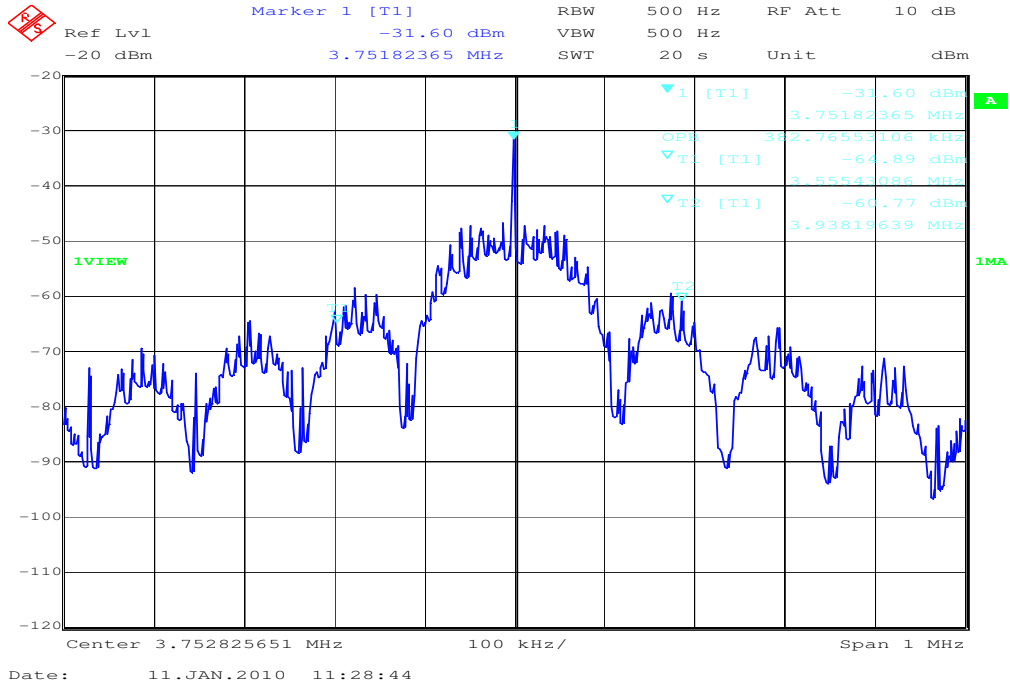
| | Occupied Bandwidth (kHz) |
|-------------|--------------------------|
| 6 dB (75%) | 70 |
| 20 dB (99%) | 363 |

Measured with the integrated OBW-function of the spectrum analyser Rohde&Schwarz FSIQ26 (measurement criteria is the integrated power in %).

Plot 1: 6 dB (75%) – bandwidth



Plot 2: 20 dB (99%) – bandwidth



4.3 Maximum output power (quasi peak) – (radiated)

Reference

| | |
|------|-----------------------------|
| FCC: | CFR Part SUBCLAUSE § 15.223 |
| IC: | RSS 210, Issue 7, 2.3 |

Sample 15265907

Power measured

| TEST CONDITIONS | | Maximum field strength (dB μ V/m) | |
|-------------------------|------------------|---------------------------------------|--------------|
| Frequency | | 3.8 MHz | |
| Distance | | 1 m | 30 m* |
| T _{nom} | V _{nom} | 49 | -11 |
| Measurement uncertainty | | ± 3 dB | |

Noise floor: 27dB μ V/m

Ambient temperature in the test chamber: 19°C

*Calculation:

Measured maximum field strength @ 1 m: 49dB μ V/m

Correction factor from 1m to 10m: -40 dB (40 dB/decade)
49dB μ V/m @ 1 meters - 40 dB = 9dB μ V/m @ 10 meters

Correction factor from 1m to 30m: -60 dB (40 dB/decade)
49dB μ V/m @ 1 meters - 60 dB = -11dB μ V/m @ 30 meters

Limits

SUBCLAUSE § 15.223

| Fundamental Frequency (MHz) | Field strength of Fundamental (μ V/m) | Measurement Distance (meters) |
|-----------------------------|--|-------------------------------|
| 1.705 – 10.0 | [15] or [6dB-BW(kHz)/F(MHz)] whichever is higher | 30 |

For measuring equipment calibrated in dB μ V/m, the reading should be reduced by 51,5dB to be converted to dB μ A/m.

4.4 Field strength of the harmonics and the spurious

Reference

| | |
|------|------------------------------------|
| FCC: | CFR Part SUBCLAUSE § 15.209 (a) |
| IC: | RSS Gen 4.9, RSS 210, Issue 7, 2.2 |

| EMISSION LIMITATIONS | | | | | |
|-------------------------|--|--|--|--|---------|
| f (MHz) | | amplitude of emission (dB μ V/m) Average/QP | limit max. allowed emission power <u>at 30m</u> | actual attenuation below frequency of operation (dB) | results |
| No peaks detected. | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Measurement uncertainty | | | ± 3 dB | | |

RBW/VBW: 200 Hz up to 150 kHz, 9 kHz up to 30 MHz, 120 kHz up to 1 GHz

Limits

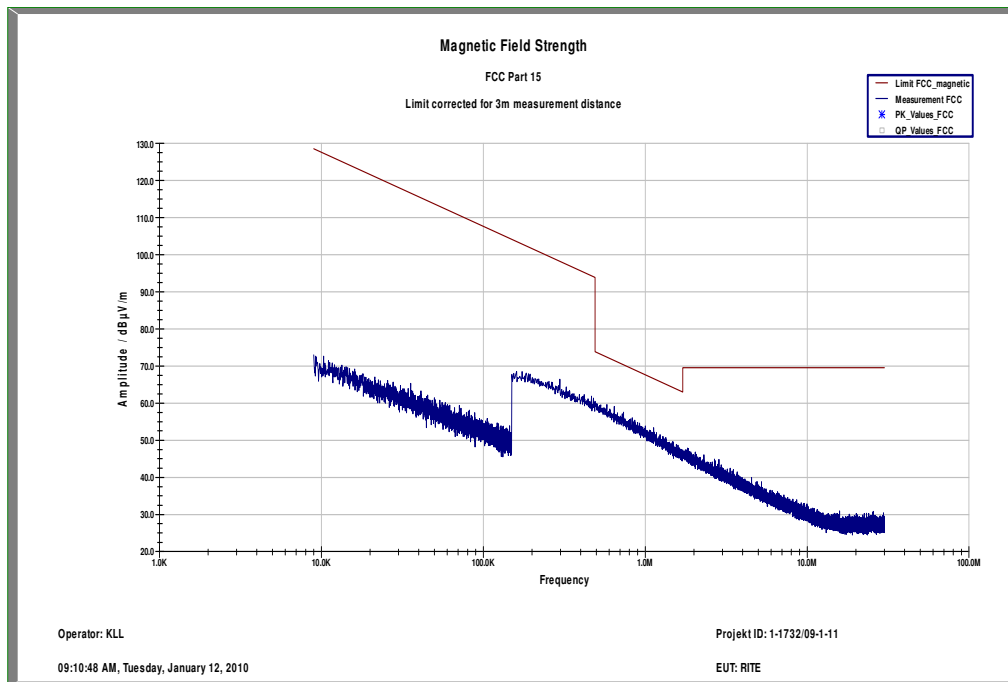
SUBCLAUSE § 15.209 (a)

| Fundamental Frequency (MHz) | Field strength of Fundamental (μ V/m) | Measurement Distance (meters) |
|--------------------------------|---|----------------------------------|
| 0.009 – 0.490 | 2400 / F (kHz) | 300 |
| 0.490 – 1.705 | 24000 / F (kHz) | 30 |
| 1.705 – 30.0 | 30 | 30 |
| 30.0 – 88.0 | 100 | 3 |
| 88 – 216 | 150 | 3 |
| 216 – 960 | 200 | 3 |
| Above 960 | 500 | 3 |

4.4.1 Plots of measurements

Sample 15265907

Plot 1: TX 9kHz – 30MHz



(To convert the measuring distance from 10m to 30m and 30 to 300m a correction factor from 40 dB/decade was used. Here we use 80 dB to recalculate from 3m to 300m)

Measurement distance 3 m

This measurement was done in 3 planes; the plot shows the worst case.

The values may have some errors because of the small distance between measuring antenna and sample. Therefore we re-measured all found peaks at 10m.

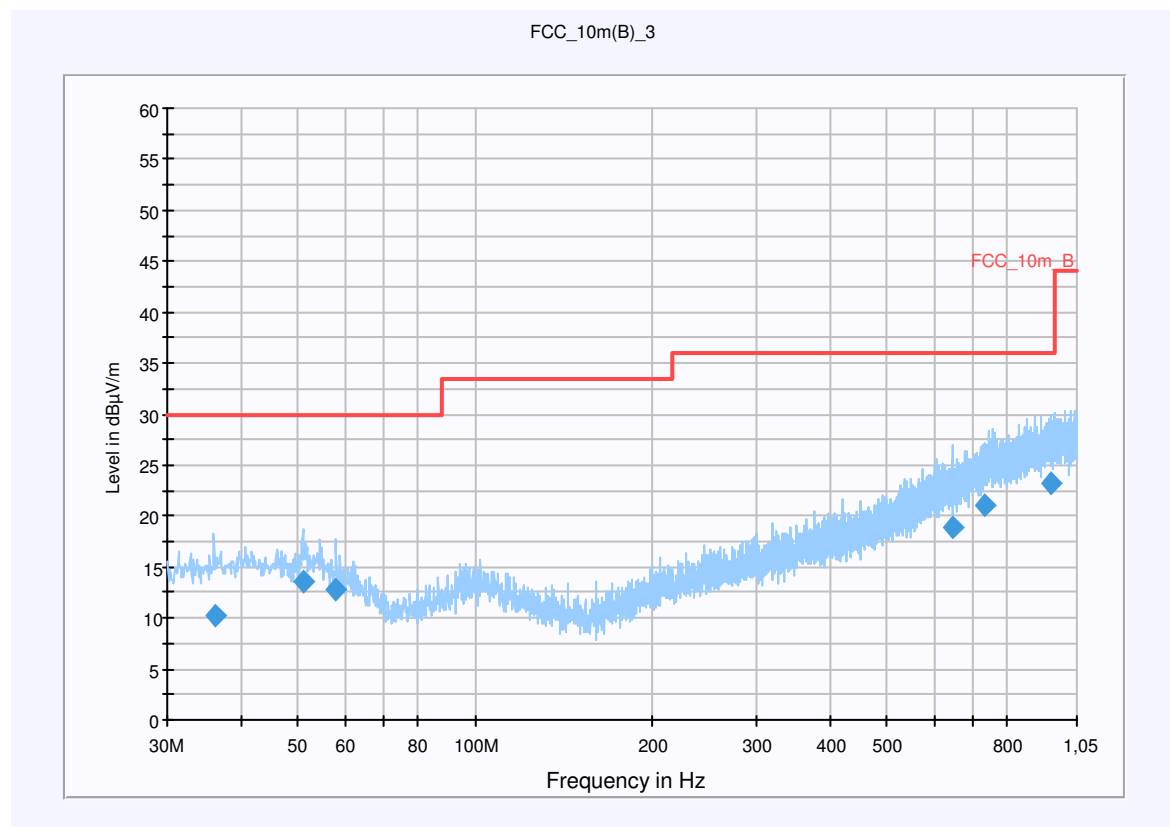
Plot 2: TX (30 MHz to 1 GHz)

EUT: Oticon RITE Power
 Serial Number: 152695907
 Test Description: FCC Part 15 @ 10m
 Operating Conditions: TX (DC 22%)
 Operator Name: Kraus
 Comment: battery powered 1,4V

Scan Setup: STAN_Fin [EMI radiated]

Hardware Setup: Electric Field (NOS)
 Level Unit: dB μ V/m

| Subrange | Detectors | IF Bandwidth | Meas. Time | Receiver |
|-------------------|-----------|--------------|------------|----------|
| 30 MHz - 1,05 GHz | QuasiPeak | 120 kHz | 15 s | Receiver |



Final Result 1

| Frequency (MHz) | QuasiPeak (dB μ V/m) | Meas. Time (ms) | Bandwidth (kHz) | Antenna height (cm) | Polarity | Turntable position (deg) | Corr. (dB) | Margin (dB) | Limit (dB μ V/m) | Comment |
|-----------------|--------------------------|-----------------|-----------------|---------------------|----------|--------------------------|------------|-------------|----------------------|---------|
| 36.123750 | 10.3 | 15000.000 | 120.000 | 125.0 | V | 323.0 | 13.2 | 19.7 | 30.0 | |
| 51.032250 | 13.6 | 15000.000 | 120.000 | 208.0 | V | 51.0 | 13.4 | 16.4 | 30.0 | |
| 57.969000 | 12.7 | 15000.000 | 120.000 | 151.0 | V | 306.0 | 12.3 | 17.3 | 30.0 | |
| 644.683800 | 18.9 | 15000.000 | 120.000 | 220.0 | H | 177.0 | 21.6 | 17.1 | 36.0 | |
| 730.120800 | 21.0 | 15000.000 | 120.000 | 220.0 | H | 276.0 | 23.7 | 15.0 | 36.0 | |
| 946.677750 | 23.2 | 15000.000 | 120.000 | 137.0 | H | 44.0 | 25.8 | 12.8 | 36.0 | |

Hardware Setup: EMI radiated\Electric Field (NOS) - [EMI radiated]

Subrange 1

| | |
|------------------|--|
| Frequency Range: | 30 MHz - 2 GHz |
| Receiver: | Receiver [ESCI 3] @ GPIB0 (ADR 20), SN 100083/003, FW 4.32 |
| Signal Path: | without Notch FW 1.0 |
| Antenna: | VULB 9163 SN 9163-295, FW --- Correction Table (vertical): VULP6113 Correction Table (horizontal): VULP6113 Correction Table: Cable_EN_1GHz (0909) |
| Antenna Tower: | Tower [EMCO 2090 Antenna Tower] @ GPIB0 (ADR 8), FW REV 3.12 |
| Turntable: | Turntable [EMCO Turntable] @ GPIB0 (ADR 9), FW REV 3.12 |

4.5 Receiver spurious emission (radiated)

Reference

| | |
|------|---|
| FCC: | CFR Part SUBCLAUSE § 15.109 |
| IC: | RSS Gen 4.10/6, RSS 210, Issue 7, Section 2.6 |

| SPURIOUS EMISSIONS LEVEL ($\mu\text{V/m}$) | | | | | | | | |
|--|----------|---------------------------|------------|----------|---------------------------|---------|----------|---------------------------|
| Receiver mode | | | | | | | | |
| F [MHz] | Detector | Level [$\mu\text{V/m}$] | F [MHz] | Detector | Level [$\mu\text{V/m}$] | F [MHz] | Detector | Level [$\mu\text{V/m}$] |
| No critical peaks detected. | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Measurement uncertainty | | | ± 3 dB | | | | | |

$f < 1$ GHz : RBW/VBW: 100 kHz

$f \geq 1$ GHz : RBW/VBW: 1 MHz

Limits

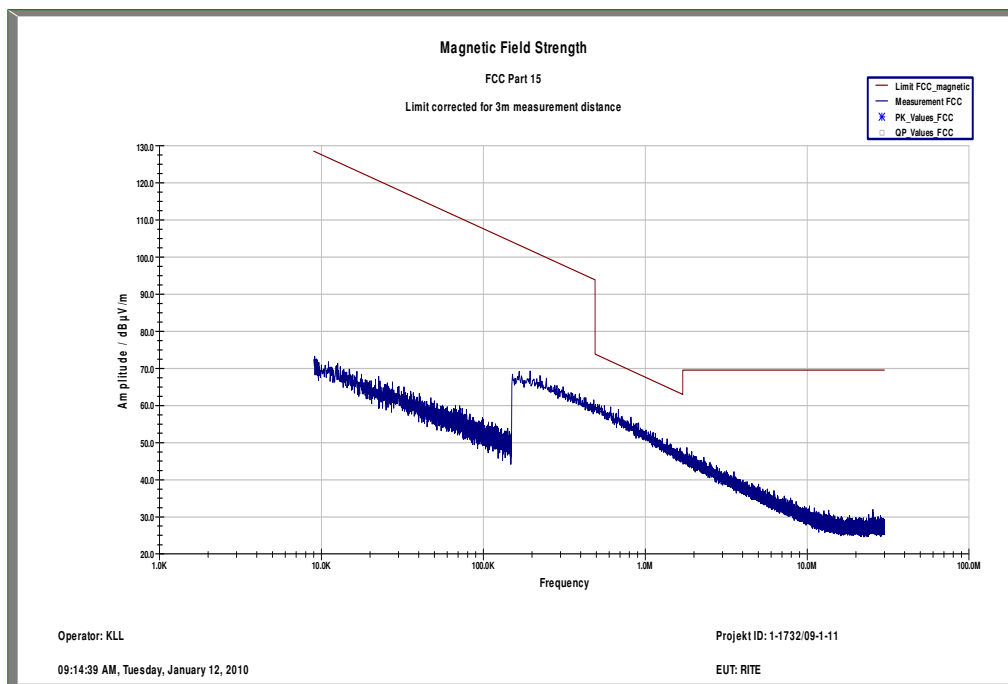
SUBCLAUSE § 15.109

| Frequency (MHz) | Field strength ($\mu\text{V/m}$) | Measurement distance (m) |
|-----------------|------------------------------------|--------------------------|
| 30 - 88 | 100 | 3 |
| 88 - 216 | 150 | 3 |
| 216 - 960 | 200 | 3 |
| above 960 | 500 | 3 |

4.5.1 Plots of measurements

Sample 15265908

Plot 1: RX 9kHz – 30MHz



(To convert the measuring distance from 10m to 30m and 30 to 300m a correction factor from 40 dB/decade was used. Here we use 80 dB to recalculate from 3m to 300m)

Measurement distance 3 m

This measurement was done in 3 planes; the plot shows the worst case.

The values may have some errors because of the small distance between measuring antenna and sample. Therefore we re-measured all found peaks at 10m.

Test report no.: 1-1732-01-11A/09

Date: 2010-02-26

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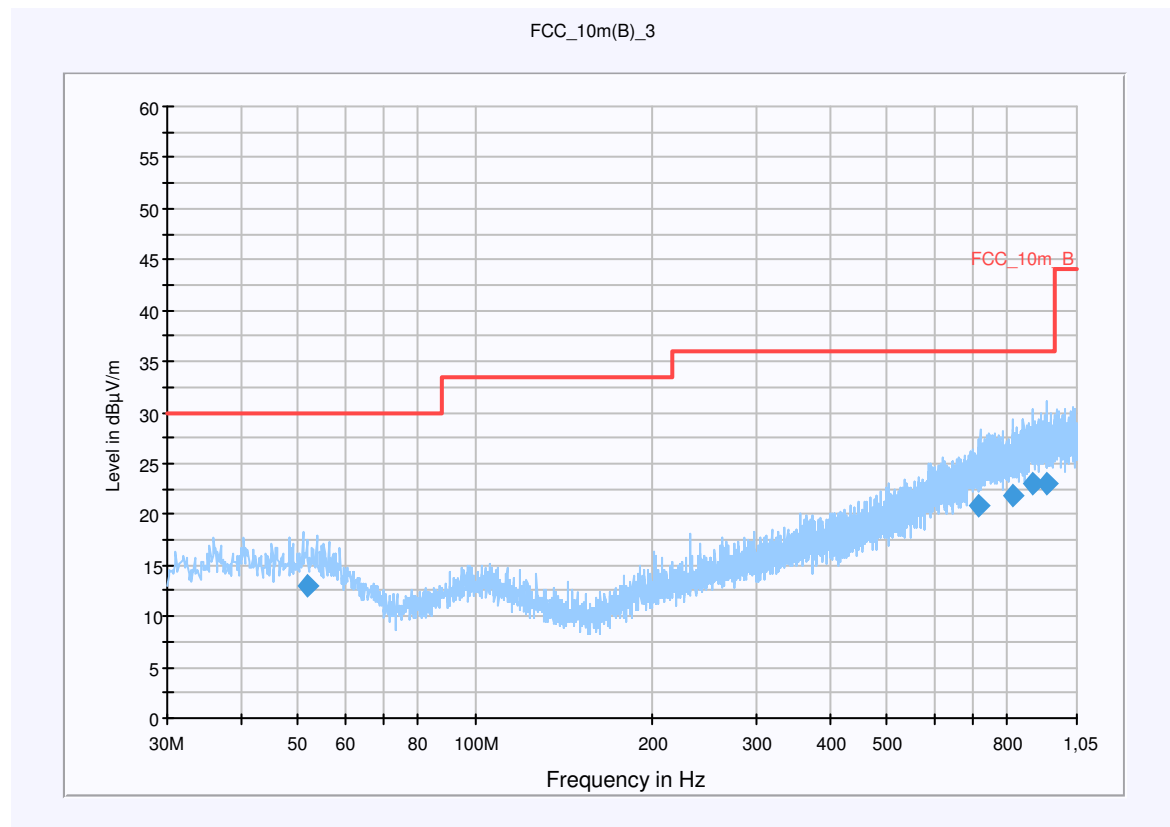
Plot 2: RX (30 MHz to 1 GHz)

EUT: Oticon RITE Power
 Serial Number: 15266027
 Test Description: FCC Part 15 @ 10m
 Operating Conditions: RX
 Operator Name: Kraus
 Comment: battery powered 1,4V

Scan Setup: STAN_Fin [EMI radiated]

Hardware Setup: Electric Field (NOS)
 Level Unit: dBµV/m

| Subrange | Detectors | IF Bandwidth | Meas. Time | Receiver |
|-------------------|-----------|--------------|------------|----------|
| 30 MHz - 1,05 GHz | QuasiPeak | 120 kHz | 15 s | Receiver |



Final Result 1

| Frequency (MHz) | QuasiPeak (dBµV/m) | Meas. Time (ms) | Bandwidth (kHz) | Antenna height (cm) | Polarity | Turntable position (deg) | Corr. (dB) | Margin (dB) | Limit (dBµV/m) | Comment |
|-----------------|--------------------|-----------------|-----------------|---------------------|----------|--------------------------|------------|-------------|----------------|---------|
| 51.993450 | 13.0 | 15000.000 | 120.000 | 220.0 | V | 231.0 | 13.4 | 17.0 | 30.0 | |
| 717.811500 | 20.8 | 15000.000 | 120.000 | 152.0 | H | 310.0 | 23.4 | 15.2 | 36.0 | |
| 819.473100 | 21.8 | 15000.000 | 120.000 | 220.0 | V | 222.0 | 24.6 | 14.2 | 36.0 | |
| 882.693450 | 22.9 | 15000.000 | 120.000 | 220.0 | V | 275.0 | 25.5 | 13.1 | 36.0 | |
| 931.577250 | 23.1 | 15000.000 | 120.000 | 128.0 | V | 35.0 | 25.8 | 12.9 | 36.0 | |

Hardware Setup: EMI radiated\Electric Field (NOS) - [EMI radiated]

Subrange 1

| | |
|------------------|--|
| Frequency Range: | 30 MHz - 2 GHz |
| Receiver: | Receiver [ESCI 3] @ GPIB0 (ADR 20), SN 100083/003, FW 4.32 |
| Signal Path: | without Notch FW 1.0 |
| Antenna: | VULB 9163 SN 9163-295, FW --- Correction Table (vertical): VULP6113 Correction Table (horizontal): VULP6113 Correction Table: Cable_EN_1GHz (0909) |
| Antenna Tower: | Tower [EMCO 2090 Antenna Tower] @ GPIB0 (ADR 8), FW REV 3.12 |
| Turntable: | Turntable [EMCO Turntable] @ GPIB0 (ADR 9), FW REV 3.12 |

4.6 Conducted Limits

Reference

| | |
|------|-------------------------|
| FCC: | CFR Part 15.207, 15.107 |
| IC: | -/- |

Not applicable!

Limits: § 15.107 / 15.207

| Frequency of Emission (MHz) | Conducted Limit (dB μ V) | |
|-----------------------------|------------------------------|------------|
| | Quasi-peak | Average |
| 0.15 – 0.5 | 66 to 56 * | 56 to 46 * |
| 0.5 – 5 | 56 | 46 |
| 5 - 30 | 60 | 50 |

* Decreases with the logarithm of the frequency

5 Used Test equipment

To simplify the identification on each page of the test equipment used, on each page of the test report, each item of test equipment and ancillaries such as cables are identified (numbered) by the Test Laboratory, below.

All reported calibration intervals are calibrations according to the EN/ISO/IEC 17025 standard. These calibrations were performed from an accredited external calibration laboratory.

Additional to these calibrations the laboratory performed comparison measurements with other calibrated systems and performed a weekly chamber inspection.

All used devices are connected with a 10 MHz external reference.

According to the manufacturers' instruction is it possible to establish a calibration interval for the FSP unit of 24 month, if the device has an external 10 MHz reference.

Anechoic chamber F:

| No | Equipment/Type | Manuf. | Serial Nr. | Inv. No. Cetecom | Last Calibration | Frequency (months) | Next Calibration |
|----|---|--------------------------|------------|------------------|------------------|--------------------|------------------|
| 1 | Control Computer | F+W | FW0502032 | 300003303 | -/- | -/- | -/- |
| 2 | Trilog Antenna VULB 9163 | Schwarzbeck | 295 | 300003787 | 01.04.2008 | 24 | 01.04.2010 |
| 3 | Amplifier - 0518C-138 | Veritech Micro-wave Inc. | -/- | -/- | -/- | -/- | -/- |
| 4 | Switch - 3488A | HP | | 300000368 | -/- | -/- | -/- |
| 5 | EMI Test receiver - ESCI | R&S | 100083 | 300003312 | 01.06.2009 | 24 | 01.06.2011 |
| 6 | Turntable Controller - 1061 3M | EMCO | 1218 | 300000661 | -/- | -/- | -/- |
| 7 | Tower Controller 1051 Controller | EMCO | 1262 | 300000625 | -/- | -/- | -/- |
| 8 | Tower - 1051 | EMCO | 1262 | 300000625 | -/- | -/- | -/- |
| 10 | Ultra Notch-Filter Rejected band Ch. 62 | WRCD | 9 | -/- | -/- | -/- | -/- |

SRD Laboratory Room 002:

| No | Equipment/Type | Manuf. | Serial Nr. | Inv. No. Cetecom | Last Calibration | Frequency (months) | Next Calibration |
|----|--------------------------------------|--------------|---------------|------------------|------------------|--------------------|------------------|
| 1 | System Controller PSM 12 | R&S | 835259/007 | 300002681-00xx | n.a. | | |
| 2 | Memory Extension PSM-K10 | R&S | To 1 | 300002681 | n.a. | | |
| 3 | Operating Software PSM-B2 | R&S | To 1 | 300002681 | n.a. | | |
| 4 | 19" Monitor | | 22759020-ED | 300002681 | n.a. | | |
| 5 | Mouse | | LZE 0095/6639 | 300002681 | n.a. | | |
| 6 | Keyboard | | G00013834L461 | 300002681 | n.a. | | |
| 7 | Spectrum Analyser FSIQ 26 | R&S | 835540/018 | 300002681-0005 | 10.01.2008 | 24 | 10.01.2010 |
| 8 | Tracking Generator FSIQ-B10 | R&S | 835107/015 | 300002681 | s.No.7 | | |
| 10 | RF-Generator SMIQ03 (B1 Signal) | R&S | 835541/056 | 300002681-0002 | 26.08.2008 | 36 | 26.08.2011 |
| 11 | Modulation Coder SMIQ-B20 | R&S | To 10 | 300002681 | s.No.10 | | |
| 12 | Data Generator SMIQ-B11 | R&S | To 10 | 300002681 | s.No.10 | | |
| 13 | RF Rear Connection SMIQ-B19 | R&S | To 10 | 300002681 | s.No.10 | | |
| 14 | Broadband horn antenna (1-18 GHz) | EMCO | 9107-3696 | 300001604 | 16.04.2008 | 24 | 16.04.2010 |
| 15 | Broadband horn antenna (1-18 GHz) | EMCO | 9107-3697 | 300001605 | 21.08.2008 | 24 | 21.08.2010 |
| 16 | Std gain horn antenna (18-26.5 GHz) | Narda | Model no. 638 | 300000486 | n.a. | | |
| 17 | Std gain horn antenna (18-26.5 GHz) | Narda | Model no. 638 | 300000487 | n.a. | | |
| 18 | Sleeve dipole antenna Model 3126-880 | ETS-Lindgren | 00040887 | 3000000 | n.a. | | |
| 19 | Fast CPU SM-B50 | R&S | To 10 | 300002681 | s.No.10 | | |
| 20 | FM Modulator SM-B5 | R&S | 835676/033 | 300002681 | s.No.10 | | |

| | | | | | | | |
|----|---|----------------|----------------|----------------|---------------------------------|----|------------|
| 21 | RF-Generator SMIQ03 (B2 Signal) | R&S | 835541/055 | 300002681-0001 | 25.08.2008 | 36 | 25.08.2011 |
| 22 | Modulation Coder SMIQ-B20 | R&S | To 21 | 300002681 | s.No.21 | | |
| 23 | Data Generator SMIQ-B11 | R&S | To 21 | 300002681 | s.No.21 | | |
| 24 | RF Rear Connection SMIQ-B19 | R&S | To 21 | 300002681 | s.No.21 | | |
| 25 | Fast CPU SM-B50 | R&S | To 21 | 300002681 | s.No.21 | | |
| 26 | FM Modulator SM-B5 | R&S | 836061/022 | 300002681 | s.No.21 | | |
| 27 | RF-Generator SMP03 (B3 Signal) | R&S | 835133/011 | 300002681-0003 | 26.08.2008 | 36 | 26.08.2011 |
| 28 | Attenuator SMP-B15 | R&S | 835136/014 | 300002681 | S.No.27 | | |
| 29 | RF Rear Connection SMP-B19 | R&S | 834745/007 | 300002681 | S.No.27 | | |
| 30 | Power Meter NRVD | R&S | 835430/044 | 300002681-0004 | 26.08.2008 | 24 | 26.08.2010 |
| 31 | Power Sensor NRVD-Z1 | R&S | 833894/012 | 300002681-0013 | 26.08.2008 | 24 | 26.08.2010 |
| 32 | Power Sensor NRVD-Z1 | R&S | 833894/011 | 300002681-0010 | 26.08.2008 | 24 | 26.08.2010 |
| 33 | Rubidium Standard RUB | R&S | | 300002681-0009 | 27.08.2008 | 24 | 27.08.2010 |
| 34 | Switching and Signal Conditioning Unit SSCU | R&S | 338864/003 | 300002681-0006 | Verified with path compensation | | |
| 35 | Laser Printer HP Deskjet 2100 | HP | N/A | 300002681-0011 | n.a. | | |
| 36 | 19" Rack | R&S | 11138363000004 | 300002681 | n.a. | | |
| 37 | RF-cable set | R&S | N/A | 300002681 | n.a. | | |
| 39 | IEEE-cables | R&S | N/A | 300002681 | n.a. | | |
| 40 | Sampling System FSIQ-B70 | R&S | 835355/009 | 300002681 | s.No.7 | | |
| 41 | RSP programmable attenuator | R&S | 834500/010 | 300002681-0007 | 26.08.2008 | 24 | 26.08.2010 |
| 42 | Signalling Unit | R&S | 838312/011 | 300002681 | n.a. | | |
| 43 | NGPE programmable Power Supply for EUT | R&S | 192.033.41 | 300002681 | | | |
| 44 | Power Splitter 6005-3 | Inmet Corp. | none | 300002841 | n.a. | | |
| 45 | SMA Cables SPS-1151-985-SPS | Insulated Wire | different | different | n.a. | | |
| 46 | CBT32 with EDR Signaling Unit | R&S | | | | | |
| 47 | Coupling unit | Narda | N/A | -- | n.a. | | |
| 48 | 2xSwitch Matrix PSU | R&S | 872584/021 | 300001329 | n.a. | | |
| 49 | RF-cable set | R&S | N/A | different | n.a. | | |
| 50 | IEEE-cables | R&S | N/A | -- | n.a. | | |

Note: 300002681-00xx inventoried as a system

SRD Laboratory Room 005:

| No | Equipment/Type | Manuf. | Serial Nr. | Inv. No. Cetecom | Last Calibration | Frequency (months) | Next Calibration |
|----|----------------------------------|--------|------------|------------------|------------------|--------------------|------------------|
| 1 | Spektrum Analyzer 8566B | HP | 2747A05275 | 300000219 | 18.01.2008 | 24 | 18.01.2010 |
| 2 | Spektrum Analyzer Display 85662A | HP | 2816A16497 | 300001690 | 23.01.2008 | 24 | 23.01.2010 |
| 3 | Quasi-Peak-Adapter 85650A | HP | 2811A01135 | 300000216 | 23.01.2008 | 24 | 23.01.2010 |
| 4 | Power Supply | Heiden | 003202 | 300001187 | 12.05.2007 | 36 | 12.05.2010 |
| 5 | Power Supply | Heiden | 1701 | 300001392 | 12.05.2007 | 36 | 12.05.2010 |

Field strength measurement equipment:

| No | Equipment/Type | Manuf. | Serial Nr. | Inv. No. Cetecom | Last Calibration | Frequency (months) | Next Calibration |
|----|----------------------|--------|------------|------------------|------------------|--------------------|------------------|
| 1 | Test Receiver ESH2 | R&S | 871921/095 | 300002505 | 23.05.2007 | 36 | 23.05.2010 |
| 2 | Test Receiver ESH3 | R&S | 890174/002 | 300000296 | 08.01.2010 | 24 | 08.01.2012 |
| 3 | Loop Antenna HFH2-Z2 | R&S | 872096/61 | 300001824 | 18.11.2009 | 24 | 18.11.2011 |