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Recognized by the 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



Accredited Bluetooth® Test Facility (BQTF)

Test report no. : 1-1495-1-3E/09 Applicant : Oticon A/S Type : BTE

Test Standard : 47 CFR Part15

RSS-210 Issue 7

FCC ID : U28FUBTE02 Certification No. IC : 1350B-FUBTE02

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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. DAT-P-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.: 1-1495-1-3E/09

Order No.:

Receipt of EUT: 2009-07-13

Date(s) of test: 2009-09-02 to 2009-09-11

Date of report: 2009-11-04

Number of report pages: 25

Number of pages (annex): 7

Version of template: 1.8

Responsible for testing (Andreas Keller)

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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.

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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:

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:

Address:

Kongebakken 9
2765 Smørum

Denmark

Tel: +45 39 17 71 00

Fax: +45 39 27 79 00

Email: http://www.oticon.com

Mr. Jørgen Peter Hanuscheck

Tel: +45 39 13 85 38

Fax: -/
Email: jnp@oticon.dk

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Description of the Equipment under test (EUT) 1.3

1.3.1 EUT: Type, S/N etc.

Type of equipment Hearing aid

Model name S/N 14611285 (TX), S/N 14611372 (TX), S/N 14611368 (RX)

BTE

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

-13 dBµV/m @ 30m Field Strength

Occupied Bandwidth (99% BW) 362 kHz Type of Modulation A₁D

Antenna Information Integrated coil antenna

Emission Designator 362KA1D

Transmitter Spurious (worst case) 23.0 dBµV/m @ 10m (Noise floor) 22.6 dBµV/m @ 10m (Noise floor) Receiver Spurious (worst case)

IC no. U28FUBTE02 FCC ID 1350B-FUBTE02

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:

2009-11-04 Andreas Keller

Ondreas Heller Date Name

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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:	ВТЕ		
3. MANUFACTURER:	Oticon A/S		
4. TYPE OF EVALUATION:	N/A		
(c) RF Evaluation • Evaluated against exposure limits: General Public 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			

Indocas Heller

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:

Company: Cetecom ICT Services GmbH

2009-11-04

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1.4 Test Setup

Hardware : Rev. 4 Software : Rev. 1.0

S/N 14611285 (sample TX mode 50% DC) S/N 14611372 (sample TX mode 50% DC) S/N 14611368 (sample TX off)

1.5 Test Specifications

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

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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	-/-

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

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

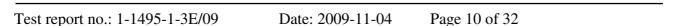
30 MHz - 200 MHz: Quasi Peak measurement, 120KHz Bandwidth, trilog antenna

200MHz - 1GHz: Quasi Peak measurement, 120KHz Bandwidth, trilog antenna

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

All measurement settings are according to FCC 15.209 and 15.207

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4 FCC Part 15 Subpart C

4.1 Timing of the transmitter

Reference

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

Sample with test mode: 50% Duty Cycle (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.

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4.2 Field strength of the fundamental / bandwidth

§ 15.209 (a)

Reference

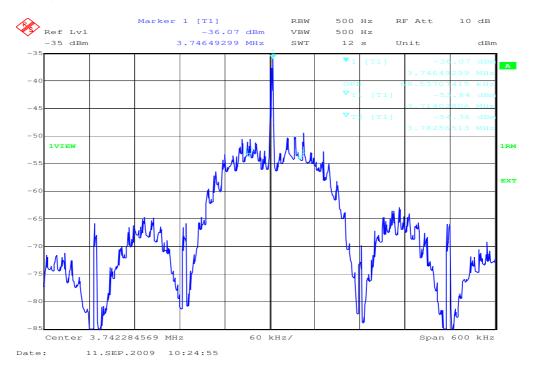
FCC:	CFR Part SUBCLAUSE § 15.223
IC:	RSS 210, Issue 7, 2.3

Results:

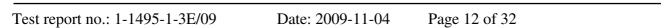
	Occupied Bandwidth (kHz)
6 dB (75 %)	69
20 dB (99 %)	362

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



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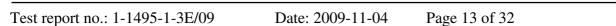


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Plot 2: 20 dB (99%) – bandwidth







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

Reference

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

Power measured

TEST CONDITIONS		Maximum field strength (dBμV/m)	
Frequency		3.8 MHz	
Distance		1 m	30 m*
T _{nom}	V _{nom}	47	-13
Measurement uncertainty		±3	dB

*Calculation:

Measured maximum field strength @ 1 m: $47 dB\mu V/m$

Noise floor: 32.5dBµV/m

Correction factor from 1m to 10m: -40 dB (40 dB/decade)

 $47 dB\mu V/m @ 1 meters - 40 dB = 7 dB\mu V/m @ 10 meters$

Correction factor from 1m to 30m: -60 dB (40 dB/decade)

 $47 dB\mu V/m @ 1 meters - 60 dB = -13 dB\mu V/m @ 30 meters$

Limits

SUBCLAUSE § 15.223

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

Note:

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

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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 (dBµV/m) Average/QP	limit max. allowed emission power at 30m	actual attenuation below frequency of operation (dB)	results
		No peaks detected.		I
Measurement uncertainty			± 3dB	

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	Field strength of	Measurement Distance
(MHz)	Fundamental (µV/m)	(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

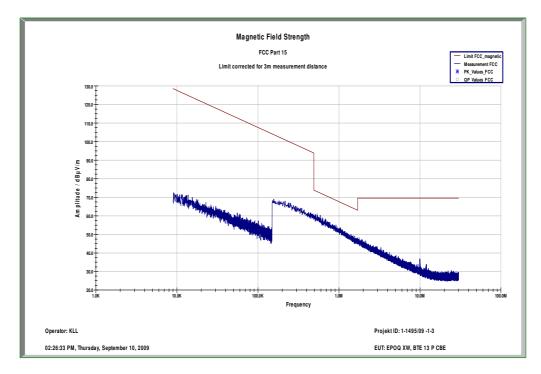
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4.4.1 Plots of measurements

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.



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Plot 2: TX (30 MHz to 1 GHz)

Common Information

EUT: Hearing Aid BTE
Serial Number: 14611372
Test Description: FCC part 15
Operating Conditions: Tx-Mode
Operator Name: Lang

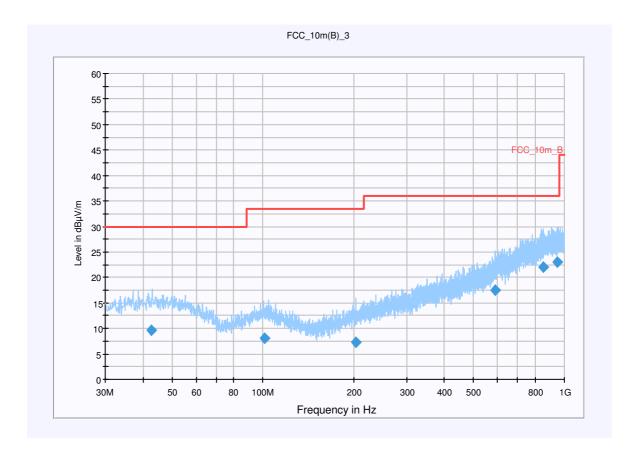
Comment: Battery Powerd

Scan Setup: STAN_Fin [EMI radiated]

Hardware Setup: Electric Field (NOS)

Level Unit: dBuV/m

SubrangeDetectorsIF BandwidthMeas. TimeReceiver30 MHz - 1 GHzQuasiPeak120 kHz15 sReceiver



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
42.596800	9.7	15000.000	120.000	220.0	V	131.0	13.5	20.3	30.0	
100.967800	8.0	15000.000	120.000	129.0	Н	236.0	12.2	25.5	33.5	
202.987600	7.2	15000.000	120.000	98.0	V	199.0	12.1	26.3	33.5	
591.350950	17.5	15000.000	120.000	220.0	٧	9.0	21.1	18.5	36.0	
850.473400	22.0	15000.000	120.000	150.0	٧	280.0	25.1	14.0	36.0	
950.502400	23.0	15000.000	120.000	98.0	V	310.0	25.9	13.0	36.0	

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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 (0109)

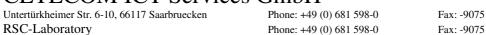
Antenna Tower: Tower [EMCO 2090 Antenna Tower]

@ GPIB0 (ADR 8), FW REV 3.12

Turntable: Turntable [EMCO Turntable]

@ GPIB0 (ADR 9), FW REV 3.12

EMC 32 Version 8.10.00





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4.5 Receiver spurious emission (radiated)

Reference

FCC: CFR Part SUBCLAUSE § 15.109
IC: RSS Gen 4.10/6

		S	PURIOUS E	MISSIONS L	EVEL (µV/n	n)		
	Idle							
F [MHz]	Detector	Level [µV/m]	F [MHz]	Detector	Level [µV/m]	F [MHz]	Detector	Level [µV/m]
No critical peaks detected.								
								·
Measurement uncertainty		+3 dB						

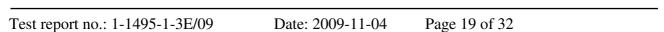
f < 1 GHz: RBW/VBW: 100 kHz $f \ge 1 \text{ GHz}: RBW/VBW: 1 \text{ MHz}$

Limits

SUBCLAUSE § 15.109

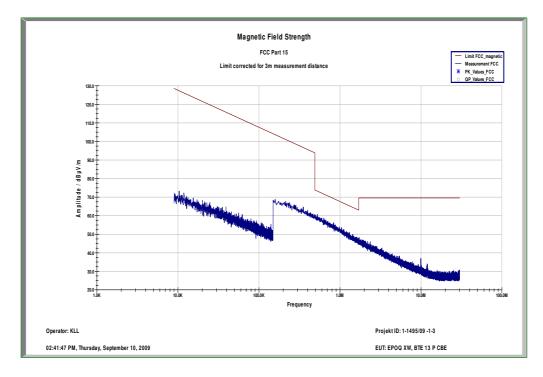
Frequency (MHz)	Field strength (μV/m)	Measurement distance (m)		
30 - 88	100	3		
88 - 216	150	3		
216 - 960	200	3		
above 960	500	3		

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4.5.1 Plots of measurements

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.

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Plot 2: RX (30 MHz to 1 GHz)

Common Information

EUT: Hearing Aid BTE
Serial Number: 14611368
Test Description: FCC part 15
Operating Conditions: Tx-Off
Operator Name: Lang

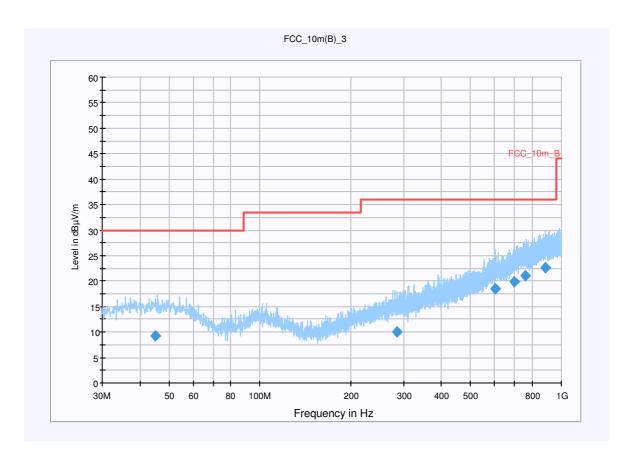
Comment: Battery Powerd

Scan Setup: STAN_Fin [EMI radiated]

Hardware Setup: Electric Field (NOS)

Level Unit: dBµV/m

SubrangeDetectorsIF BandwidthMeas. TimeReceiver30 MHz - 1 GHzQuasiPeak120 kHz15 sReceiver



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
44.872450	9.2	15000.000	120.000	201.0	Н	138.0	13.4	20.8	30.0	
85.806050	10.1	15000.000	120.000	220.0	Н	35.0	14.5	25.9	36.0	
604.126450	18.5	15000.000	120.000	220.0	Н	106.0	21.4	17.5	36.0	
761.973100	21.0	15000.000	120.000	169.0	Н	291.0	24.2	15.0	36.0	
886.929650	22.6	15000.000	120.000	196.0	Н	165.0	25.5	13.4	36.0	

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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 (0109)

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

EMC 32 Version 8.10.00



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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 (dBµV)					
	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

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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.

ETECON

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.

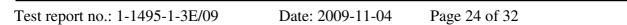
According to the manufacturers' instruction is it possible to establish a calibration interval for the FSP unit of 24 month, if the device has an external 10 MHz reference.

Anechoic chamber C:

No	Equipment/Type	Manuf.	Serial Nr.	Inv. No. Cetecom	Last Calibration	Frequency (months)	Next Calibration	
1	Anechoic chamber	MWB	87400/02	300000996	Monthly verifica	ation		
2	System-Rack 85900	HP I.V.	*	300000222	n.a.			
3	Measurement System 1							
	PSA-Spektrumanalysator 3 Hz - 26,5 GHz (E4440A)	Agilent	MY48250080	300003812	05.08.2008	24	05.08.2010	
-	EMI Preselector 9kHz - 1 GHz (N9039A)	Agilent	MY48260003	300003825	19.08.2008	24	19.08.2010	
	Microwave Analog Signal Generator (N5183A)	Agilent	MY47420220	300003813	06.08.2008	24	06.08.2010	
7	PC	F+W			n.a.			
8	TILE	TILE			n.a.			
9	TRILOG Super Breitband Antenne (VULB9163)	Schwarzbeck	371	300003854	Monthly verification (System cal.)			
10	Double Ridged Antenna 3115	EMCO	3088	300001032	Monthly verification (System cal.)			
11	Active Loop Antenna 6502	EMCO	2210	300001015	Monthly verification (System cal.)			
12	Switch / Control Unit 3488A	HP	2719A15013	300001156	n.a.			
13	Power Supply 6032A	HP	2818A03450	300001040	08.01.2009	36	08.01.2012	
14	Busisolator	Kontron		300001056	n.a.			
15	Leitungsteiler 11850C	HP		300000997	Monthly verifica	ntion (System cal.))	
16	Power attenuator 8325	Byrd	1530	300001595	Monthly verifica	ntion (System cal.)		
17	Band reject filter WRCG1855/1910	Wainwright	7	300003350	Monthly verifica	ation (System cal.)		
18	Band reject filter WRCG2400/2483	Wainwright	11	300003351	Monthly verifica	ation (System cal.))	
19	Hochpassfilter WHK1.1/15G- 10SS	Wainwright	3	300003255	Monthly verifica	ation (System cal.))	
20	12SS	Wainwright	1	300003492	Monthly verifica	ation (System cal.)		
21	Hochpassfilter WHKX7.0/18G-8SS	Wainwright	18	300003789	Monthly verifica	Monthly verification (System cal.)		
22	Switch / Control Unit 3488A	HP	2605e08770	300001443	n.a.			
23	Trenntrafo RT5A	Grundig	9242	300001263	n.a.			
24	Relais Matrix PSU	R&S	890167/024	300001168	n.a.			
25	Netznachbildung ESH3-Z5	R&S	828576/020	300001210	n.a.			

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CETECOM

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 pa	th 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.		

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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: 3000002681-00xx inventoried as a system

SRD Laboratory Room 005:

No	Equipment/Type	Manuf.	Serial Nr.	Inv. No. Cetecom	Last	Frequency	Next
					Calibration	(months)	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

SRD Laboratory Room 011:

No	Equipment/Type	Manuf.	Serial Nr.	Inv. No. Cetecom	Last Calibration	Frequency (months)	Next Calibration
1	NRP Power Meter	R&S	100212	300003780	27.02.2008	24	27.02.2010

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	-/-	-/-	-/-	-/-

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	Loop Antenna HFH2-Z2	R&S	872096/61	300001824	18.11.2009	24	18.11.2011