Untertürkheimer Str. 6-10, 66117 Saarbruecken RSC-Laboratory

Phone: +49 (0) 681 598-0 Phone: +49 (0) 681 598-0

Fax: -9075

Fax: -9075



Test report no.: 2-4404-01-06/06 Date: 2006-10-13 Page 1 of 23

Recognized by the Federal Communications Commission

Anechoic chamber registration no.: 90462 (FCC)

Anechoic chamber registration no.: 3463 (IC)

TCB ID: DE 0001



Accredited by the
German Accreditation Council
DAR–Registration Number
DAT-P-176/94-D1



Independent ETSI compliance test house



Accredited Bluetooth® Test Facility (BQTF)

Test report no. : 2-4404-01-06/06
Applicant : ifm electronic gmbh
Type : DTA 100 (DTA 101, DTC

001)

Test Standard : FCC Part 15.209

RSS-210 Issue 6

FCC ID : UN6DTS 125-AA Certification No. IC : 6799B-DTS125-AA

The Bluetooth word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by Cetecom ICT is under license

Untertürkheimer Str. 6-10, 66117 Saarbruecken RSC-Laboratory

Phone: +49 (0) 681 598-0 Phone: +49 (0) 681 598-0 Fax: -9075 Fax: -9075



Test report no.: 2-4404-01-06/06 Date: 2006-10-13 Page 2 of 23

Table of contents

1.	. ADMINISTRATIVE DATA	3
	1.1. ADMINISTRATIVE DATA OF THE TEST FACILITY	3
	1.1.3 Applicant's details	
	1.2 ADMINISTRATIVE DATA OF MANUFACTURER / MEMBER	4
	1.3 DESCRIPTION OF THE EQUIPMENT UNDER TEST (EUT)	
	1.3.1 EUT: Type, S/N etc	
	1.4 Test Setup	
	1.5 TEST SPECIFICATIONS	
2	2 STATEMENT OF COMPLIANCE	7
	2.1 SUMMARY OF MEASUREMENT RESULTS	7
	2.1.1 CFR 47 Part 15 Radio frequency devices	
3	v 1 - v	
4	FCC PART 15 SUBPART C	9
	4.1 Timing of the transmitter	9
	4.2 Field strength of the fundamental	
	4.3 Field strength of the harmonics and the spurious	
	Plots of measurements	
	4.4 Receiver spurious emission (radiated)	
	4.5 Conducted Limits	
5	USED TESTEQUIPMENT	16
6	6 ANNEX B: PHOTOGRAPHS OF TEST SITE	19
7	ANNEX C: EXTERNAL PHOTOGRAPHS OF THE EQUIPMENT	20
8	ANNEX D: INTERNAL PHOTOGRAPHS OF THE EQUIPMENT	21

ANNEX 1: TECHNICAL PRODUCT DESCRIPTION

Untertürkheimer Str. 6-10, 66117 Saarbruecken RSC-Laboratory

Phone: +49 (0) 681 598-0 Phone: +49 (0) 681 598-0 Fax: -9075 Fax: -9075



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: Michael Berg

Phone: +49 681 598 0 Fax: +49 681 598 9075 email: info@ict.cetecom.de

Responsible for testing (Jakob Reschke)

1.1.2 Organizational items

Reference No.: 2-4404-01-06/06

Receipt of EUT: 2006-10-11

Date(s) of test: 2006-10-12 to 2006-13

Date of report: 2006-10-13

Number of report pages: 23

Version of template: 1.8

Responsible for laboratory (Michael Berg)

Untertürkheimer Str. 6-10, 66117 Saarbruecken RSC-Laboratory

Phone: +49 (0) 681 598-0 Phone: +49 (0) 681 598-0 Fax: -9075 Fax: -9075



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:

Address:

Teichstr. 4

45127 Essen

Germany

Contact person:

Christoph Ehrhart

Tel.: +49 (0)7543-518-761

Fax.: +49 (0)7542-518-138

e-mail: Christoph_Ehrhart@ifm-electronic.com

1.2 Administrative data of manufacturer / member

Manufacturer's name:	ifm electronic gmbh
Address:	ifm-Str. 1
	88069 Tettnang
	Germany

CETECOM

 Untertürkheimer Str. 6-10, 66117 Saarbruecken
 Phone: +49 (0) 681 598-0
 Fax: -9075

 RSC-Laboratory
 Phone: +49 (0) 681 598-0
 Fax: -9075



Test report no.: 2-4404-01-06/06 Date: 2006-10-13 Page 5 of 23

1.3 Description of the Equipment under test (EUT)

1.3.1 EUT: Type, S/N etc.

Type of equipment : RFID Reader

Model name : DTA 100 (DTA 101, DTC 001)

Manufacturer : ifm electronic gmbh

Address : ifm-Str. 1
City : 88069 Tettnang
Country : Germany

Tested to Radio Standards Specification(RSS) No. : 210 Issue 6 Open Area Test Site Industry Canada Number : 3463

Max. Field Strength 63.25 dBµV/m @ 10 m

Frequency Range (or fixed frequency) : 125 kHz
Occupied Bandwidth (99% BW) : 1144

Type of Modulation : NON (inductive loop)

Antenna Information : Loop antenna
Transmitter Spurious (worst case) : Nothing found
Receiver Spurious (worst case) : Nothing found

Receiver Spurious (worst case) : Nothing found IC no. : 6799B-DTS125-AA FCC ID : UN6DTS125-AA

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:

2006-10-13 Jakob Reschke

Date Name Signature



Untertürkheimer Str. 6-10, 66117 Saarbruecken Phone: +49 (0) 681 598-0 **RSC-Laboratory**

Fax: -9075 Phone: +49 (0) 681 598-0 Fax: -9075

Test report no.: 2-4404-01-06/06 Page 6 of 23 Date: 2006-10-13

Test Setup 1.4

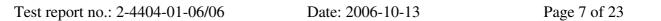
Hardware -.-Software

Test Specifications 1.5

FCC: **CFR Part 15.209** IC: **RSS 210, Issue 6**

Untertürkheimer Str. 6-10, 66117 Saarbruecken PRSC-Laboratory P

Phone: +49 (0) 681 598-0 Phone: +49 (0) 681 598-0 Fax: -9075 Fax: -9075



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 6	applicable	Verdict
4.1	§ 15.35 (c)			
	Timing of the transmitter (Duty cycle		NO	
	correction factor)			
4.2	§ 15.209 (a)	2.6		
	FIELDSTRENGTH OF		YES	pass
	FUNDAMENTAL			
4.3	§ 15.209 (a)	2.6		
	FIELDSTRENGTH OF		YES	pass
	HARMONICS and SPURIOUS			
4.4	§ 15.109	2.6		
	Receiver spurious emissions		NO	
	(radiated)			
4.5	§ 15.107 / 15.207 Conducted Limits		NO	



Untertürkheimer Str. 6-10, 66117 Saarbruecken Phone: +49 (0) 681 598-0 Fax: -9075 RSC-Laboratory Phone: +49 (0) 681 598-0 Fax: -9075



Test report no.: 2-4404-01-06/06 Date: 2006-10-13 Page 8 of 23

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, biconical antenna 200MHz - 1GHz: Quasi Peak measurement, 120KHz Bandwidth, log periodic antenna

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

All measurement settings are according to FCC 15.209 and 15.207

Untertürkheimer Str. 6-10, 66117 Saarbruecken RSC-Laboratory

Phone: +49 (0) 681 598-0 Phone: +49 (0) 681 598-0 Fax: -9075 Fax: -9075



Test report no.: 2-4404-01-06/06 Date: 2006-10-13 Page 9 of 23

4 FCC Part 15 Subpart C

4.1 Timing of the transmitter

Not applicable

Reference

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

Measurement not applicable, transmitter is continous modulated (N0N)

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.

Untertürkheimer Str. 6-10, 66117 Saarbruecken RSC-Laboratory

Phone: +49 (0) 681 598-0 Phone: +49 (0) 681 598-0 Fax: -9075 Fax: -9075



Test report no.: 2-4404-01-06/06 Date: 2006-10-13 Page 10 of 23

4.2 Field strength of the fundamental

Reference

FCC: CFR Part SUBCLAUSE § 15.209 (a)

IC: RSS 210, Issue 6, 2.6

Maximum output power (average peak) - (radiated)

TEST CONDITIONS		MAXIMUM POWER	
Frequ	iency	125	
		kHz	
T _{nom} +21 °C	V _{nom} 28.0V DC	63.25 dBµV/m @ 10 m	
Maximum deviation from output power under extreme test conditions (dBc)		1.25	
Measuremen	t 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)

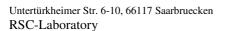
Fundamental Frequency	Field strength of	Measurement Distance
(MHz)	Fundamental (µV/m)	(meters)
0.009 - 0.490	2400 / F (kHz)	300
0.490 - 1.705	24000 / F (kHz)	30
1.705 – 30.0	30	30
30.0 - 88.0	100	3
88 – 216	150	3
216 – 960	200	3
Above 960	500	3

4.3 Field strength of the harmonics and the spurious

Reference

FCC:	CFR Part SUBCLAUSE § 15.209 (a)
IC:	RSS 210, Issue 6, 2.6

EMISSION LIMITATIONS



Phone: +49 (0) 681 598-0 Phone: +49 (0) 681 598-0 Fax: -9075 Fax: -9075



f (MHz)	amplitude of emission (dBµV/m) Average/QP	limit max. allowed emmision power at 10m	actual attenuation below frequency of operation (dB)	results
0.125	63.25 QP	85.66	22.45	Operating frequency
				requericy
Measur	rement 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



Untertürkheimer Str. 6-10, 66117 Saarbruecken Phone: +49 (0) 681 598-0 RSC-Laboratory Phone: +49 (0) 681 598-0



Fax: -9075

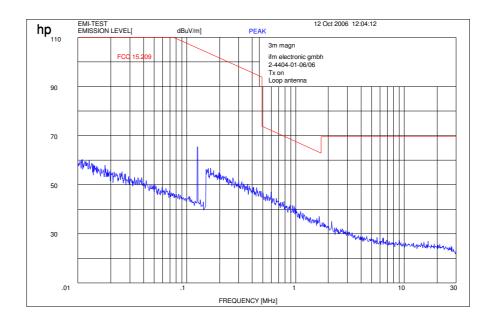
Fax: -9075

Test report no.: 2-4404-01-06/06 Date: 2006-10-13 Page 12 of 23

Plots of measurements

Plot 1:

Part 15.209 Magnetics TX



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

Performed in a fully anechoic chamber at 3m to getan overview about radiated emissions. This values may have some errors because of the small distance between measureing antenna and sample. Therefore we remeasured all found peaks at 10m. (see page 10)

(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 ase

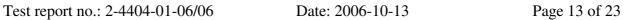
Limits

SUBCLAUSE § 15.209

Frequency (MHz)	Field strength (µV/m)	Measurement distance (m)
0.0009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
above 960	500	3

Untertürkheimer Str. 6-10, 66117 Saarbruecken **RSC-Laboratory**

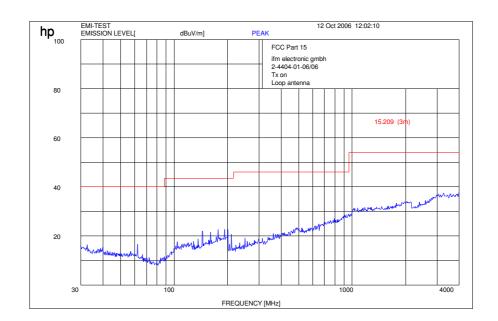
Phone: +49 (0) 681 598-0 Phone: +49 (0) 681 598-0 Fax: -9075 Fax: -9075



CETECOM

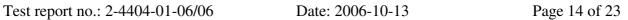
Plot 2:

TX (30 MHz to 4 GHz)



Untertürkheimer Str. 6-10, 66117 Saarbruecken **RSC-Laboratory**

Phone: +49 (0) 681 598-0 Phone: +49 (0) 681 598-0 Fax: -9075 Fax: -9075



Receiver spurious emission (radiated) 4.4

Not applicable

Reference

FCC:	CFR Part SUBCLAUSE § 15.109
IC:	RSS 210, Issue 6, Section 2.6

	SPURIOUS EMISSIONS LEVEL (μV/m)							
Low Channel		Middle Channel		High Channel				
	MHz		MHz		MHz			
F [MHz] Detector Level [µV/m]		F [MHz]	Detector	Level [µV/m]	F [MHz]	Detector	Level [µV/m]	
Measuremen	Measurement uncertainty							

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

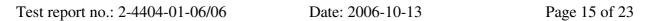
Limits

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

Untertürkheimer Str. 6-10, 66117 Saarbruecken RSC-Laboratory

Phone: +49 (0) 681 598-0 Phone: +49 (0) 681 598-0 Fax: -9075 Fax: -9075



4.5 Conducted Limits

Not applicable

Reference

FCC: CFR Part 15.207, 15.107 IC:

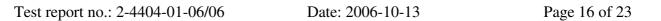
Limits: § 15.107 / 15.207

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

Untertürkheimer Str. 6-10, 66117 Saarbruecken RSC-Laboratory

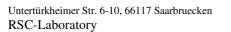
Phone: +49 (0) 681 598-0 Phone: +49 (0) 681 598-0 Fax: -9075 Fax: -9075



5 Used Testequipment

No.	Instrument/ Ancillary	Manufacturer	Туре	Serial-No.	Internal ID No.		
	Anechoic chamber						
1	Anechoic chamber	MWB		87400/02	300000996	I	
2.	Bi conical antenna	EMCO	3104C	9909-4868	30000590		
3.	Log. Per. antenna	EMCO	3146	2130	300001603		
4.	Double ridge horn	EMCO	3115P	3088	300001032		
5.	Active loop antenna	EMCO	6502	2210	300001015		
6.	Loop antenna	Rohde & Schwarz	HFH2-Z2	891847-35	300001169		
7.	Spectrum analyzer	Hewlett-Packard	8566B	2747A05306	300001000		
8.	Spectrum analyzer display	Hewlett-Packard	85662A	2816A16541	300002297		
9.	Quasi peak adapter	Hewlett-Packard	85650A	2811A01131	300000999		
10.	RF pre selector	Hewlett-Packard	85685A	2833A00768	400000081		
11.	Workstation	Hewlett-Packard	Vectra VL		300001688		
12.	Software	Hewlett-Packard	EMI Halle C		300000983		
13.	Power attenuator	Byrd	8325	1530	300001595		
14.	Band reject filter	Wainwright	WRCG1855/1910	7	300003350		
15.	Band reject filter	Wainwright	WRCG2400/2483	11	300003351		
16.	Power supply unit	Hewlett-Packard	6032A	2818A03450	300001040		
17.	Universal communication tester	Rohde & Schwarz	CMU 200	103992	300003231		
	Laboratories Short	t Range Devices					
18.	Amplifier	Parzich GMBH	js42-00502650- 28-5a	928979	300003143		
19.	Analog-/Digital multi- meter		DF-971A	438309, 438320, 438361	400000082		
20.	Audio Analyzer 2Hz - 300 kHz	Rohde & Schwarz	UPD	841074/009	300001236		
21.	Bit error analyzer	Hewlett-Packard	37732A	3606U03073	300001446		
22.	Communication tester	Rohde & Schwarz	CMD55	831050/082	300003018		
23.	Communication test Set	Schlumberger	4040	1725117	300001387		
24.	Directional coupler	Amplifier Research	DC 3010	12709	300001226		
25.	Directional coupler	EMV	DC3010	12306	300001429		
26.	Field strength meter (Near field probe)	EMCO	7405	9202-2150	300001203		
27.	Frequency Counter	Hewlett-Packard	5386A	2704A01243	300000998		
28.	Climatic chamber	Heraeus Voetsch	VT 4002	5,8566E+13	300003019		
29.	Climatic chamber	Heraeus Voetsch	VT 4002	521/83761	300002326		
30.	Power sensor	Hewlett-Packard	8484A	2237A10156	300001140		
31.	Power sensor	Hewlett-Packard	8482A	2237A06016	300001139		
32.	Power sensor	Hewlett-Packard	8484A	2237A10494	300001666	-	
33.	Power sensor	Hewlett-Packard	8482A	1925A04674	300001667	-	
34.	Power sensor	Hewlett-Packard	8485A	2238A00849	300001668	-	
35. 36.	Power sensor Power sensor	Hewlett-Packard Hewlett-Packard	8482A 8482B	2237A06009 2703A02586	300001267 300001492		
37.	(attenuator) Local Oscillator	Hewlett-Packard	70900A	2842A02221	300002019		
38.	Measurement Receiver	Rohde & Schwarz	ESH 2	871921/095	300002019	+	-
39.	Multi-meter (Hand)	Siemens	Multizet	0/1741/093	300002303	+	-
40.	Multi-meter (Hand)	Goerz	6EP		300001102	1	
41.	Multi-meter (Hand) Multi-meter (Hand)	MetraWatt	MA4S		300001116	 	
42.	Multi-meter digital	Rohde & Schwarz	UDS 5	872677/042	300001740	1	1
43.	Power supply	Hewlett-Packard	6038A	3122A11097	300001323	 	
44.	Power supply	Hewlett-Packard	6038A	2848A07027	300001204	 	
45.	Power supply	Zentro	2X30V	2007	300001174		
46.	Power supply	Hewlett-Packard	6038A	2752A04866	300001161	 	
			1108-32	1701	300001101	1	
47	Power supply	Heiden					
47. 48.	Power supply Power supply	Heiden Heiden	1108-32	1802	300001392		





Phone: +49 (0) 681 598-0 Phone: +49 (0) 681 598-0 **CETECOM**

Fax: -9075

Fax: -9075

Test report no.: 2-4404-01-06/06 Date: 2006-10-13 Page 17 of 23

No	Instrument/	Manufacturer	Trung	Carial No	Internal ID		
No.	Ancillary	Manufacturer	Туре	Serial-No.	No.		
50.	Power supply	Zentro	LA 2x30/5GB2	2012	300001275		
51.	Power supply	Systron	M5P 40/15A	828233	300001291		
52.	V-network AC	Rohde & Schwarz	ESH3-Z5	828576/020	300001210		
53.	Oscilloscope	Hewlett-Packard	54502A	2934A01917	300001374		
54.	Power meter	Hewlett-Packard	436A	2101A12378	300001136		
55.	Power meter	Hewlett-Packard	436A	2031U01461	300001105		
56.	Precision – frequency – reference	Hewlett-Packard	70310A	2736A00707	300002018		
57.	Radio communication analyzer	Rohde & Schwarz	CMTA 54	894043/010	300001175		
58.	Radio communication analyzer	Rohde & Schwarz	CMTA 84	894199/012	300001176		
59.	Radio communication analyzer	Rohde & Schwarz	CMTA 84	894581/013	300001355		
60.	Signal generator	Hewlett-Packard	8111A	2215G00867	300001117		
61.	Signal generator	Rohde & Schwarz	SMPC	882416/019	300001162		
62.	Function signal generator	Rohde & Schwarz	AFGU	862490/032	300001201		
63.	Function signal	Rohde &	APN-04	894326/014	300001184		
64.	generator Signal generator 0.01- 1280 MHz	Schwarz Hewlett-Packard	8662A	2224A01012	300001110		
65.	Signal generator 0.01- 1280 MHz	Hewlett-Packard	8662A	2232A01038	300001264		
66.	Signal generator 0.1- 2000 MHz	Rohde & Schwarz	SMH	864219/033	300001410		
67.	Signal generator 0.1-	Rohde &	SMH	883909/010	300001183		
68.	2000 MHz Signal generator 0.1-	Schwarz Hewlett-Packard	8657A	2838U00736	300001009		
69.	2060 MHz Signal generator 0.1-	Hewlett-Packard	8665A	2833A00109	300001177		
70.	4200 MHz Signal generator 0.1-	Hewlett-Packard	8665A	2833A00112	300001373		
71.	4200 MHz Signal generator 0.1-	Rohde &	SMHU	2790575	300001404		
72.	4320 MHz Signal generator 0.1-	Schwarz Rohde &	SMHU	894055/005	300001190		
73.	4320 MHz Signal generator DC-	Schwarz Hewlett-Packard	8904A	2822A01213	300001157		
74.	600 KHz Signal generator DC-	Hewlett-Packard	8904A	2822A01214	300001158		
75.	600 KHz Signal generator DC-	Hewlett-Packard	8904A	2822A01203	300001367		
76.	600 KHz Function signal	Rohde &	APN 04	2273637	300001395		
77.	generator Signal generator NF	Schwarz Rohde &	SPN	880139/068	300001142		
78.		Schwarz Rohde &					
70.	Spectrum Analyzer	Schwarz	FSiQ26	835111/0004	300002678		
79.	Spectrum analyzer	Hewlett-Packard	71210A (70000)	2731A02347	300002078	1	1
80.	Spectrum analyzer	Rohde & Schwarz	FSMS	826067/004	300001223		
81.	Spectrum analyzer 2	Hewlett-Packard	85660B	3138A07614	300001207		+
82.	Spectrum analyzer 3	Hewlett-Packard	8566A	1925A00257	300001207		+
83.	Spectrum analyzer Display	Hewlett-Packard	70206A	2840A01553	300002017		
84.	Spectrum analyzer Display 2	Hewlett-Packard	85662A	3144A20627	300001208		
85.	Spectrum analyzer Display 3	Hewlett-Packard	85662	1925A00860	300002306		
86.	Isolating transformer	Erfi	913501		300001205		
87.	Isolating transformer	Erfi	MPL	91350	300001255		1
88.	Isolating transformer	Erfi	MPL	91350	300001151		
89.	Isolating transformer	Erfi	6210		300001179		
90.	Isolating transformer	Grundig	RT5A	8781	300001277		

Untertürkheimer Str. 6-10, 66117 Saarbruecken RSC-Laboratory

Phone: +49 (0) 681 598-0 Phone: +49 (0) 681 598-0 **CETECOM**

Fax: -9075

Fax: -9075

Test report no.: 2-4404-01-06/06 Date: 2006-10-13 Page 18 of 23

91.	Isolating transformer	Grundig	RT5A	9242	300001263	
92.	Amplifier	Hewlett-Packard	8447D	2648A04780	300001360	
93.	Amplifier	EMV	10W1000	9549	300001377	

No.	Instrument/ Ancillary	Manufacturer	Туре	Serial-No.	Internal ID No.		
94.	Amplifier	EMV	25W1000	12948	300001440		
95.	Amplifier 5W	Amplifier Research	5W1000	9725	300001592		
	•	•					
	Laboratory Blueto	oth					
96.	Power splitter	Inmet Corp.	1499382		300002841		
97.	Power sensor	Rohde & Schwarz	NRV-Z1	833894/011	300002681-		
					0010		
98.	Signal generator	Rohde & Schwarz	SMIQ03	836206/0092	300002680		
99.	Bluetooth RF-test	Rohde & Schwarz	TS8960		300002681-		
	system				0000		
100.	Signal generator	Rohde & Schwarz	SMIQ03	835541/055	300002681- 0001		
101.	Signal generator	Rohde & Schwarz	SMIQ03	835541/056	300002681-		
	3-8				0002		
102.	Signal generator	Rohde & Schwarz	SMP02	835133/011	300002681-		
'					0003		
103.	Power meter	Rohde & Schwarz	NRVD	835430/044	300002681-		
					0004		
104.	Spectrum - analyzer	Rohde & Schwarz	FSIQ	835540/018	300002681- 0005		
105.	Switch unit	Rohde & Schwarz	SSCU		300002681-		
106	A 44 4 4	Rohde & Schwarz	RSP	834500/010	0006 300002681-		
106.	Attenuator-step			834300/010	0007		
107.	Frequency normal	Rohde & Schwarz	Rubidium		300002681- 0009		
108.	Power sensor	Rohde & Schwarz	NRV-Z1	833894/012	300002681-		
100.	Tower sensor	Tronde co Senivara	1,11, 21	000000011012	0013		
	Conducted emission	n on AC line Roo	om 006	•	•		•
109.	Measurement receiver	Rohde & Schwarz	ESH3	881515/002	300002490		
110.	Measurement receiver	Rohde & Schwarz	ESVP	881487/021	300002491		
111.	Measurement receiver	Rohde & Schwarz	ESH3	890174/002	300000296		
112.	V-network AC	Rohde & Schwarz	ESH3 Z5	892475/017	300002209		
113.	V-network AC	Rohde & Schwarz	ESH3-Z5	892239/020	300002506		
114.	Software	Rohde & Schwarz	ESK-1				
115.	DC power supply	Hewlett-Packard	6032A	2743A02600	300001498		
116.	V-network AC	Rohde & Schwarz	ESH3-Z5	861189/014	300001458		
117.	V-network DC	Rohde & Schwarz	ESH3-Z6	893689/012	300001504		
118.	V-network DC	Rohde & Schwarz	ESH3-Z6	861406/005	300001518		
119.							
120.							
121.							
122.							
123.							<u> </u>
124.							<u> </u>
125.		1	-			ļ	1
126.			1			 	
127. 128.		<u> </u>	1	_		 	+
128.					+		+
130.		+	 	+		 	+
131.			1			 	+
131.							+
133.							+
134.							
10 T.	ı	1	I	1	1	<u> </u>	.1

Untertürkheimer Str. 6-10, 66117 Saarbruecken RSC-Laboratory

Phone: +49 (0) 681 598-0 Phone: +49 (0) 681 598-0 Fax: -9075 Fax: -9075



6 Annex B: Photographs of Test site

Photo 1 (Radiated Emissions):

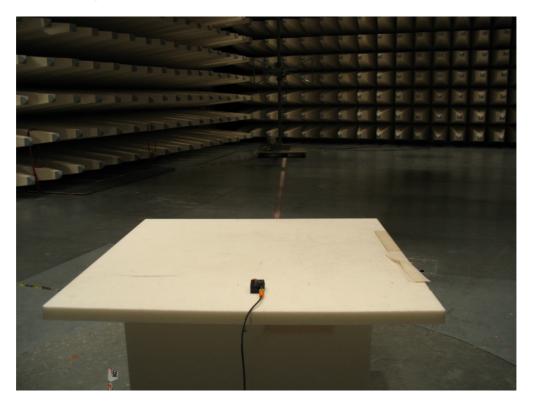
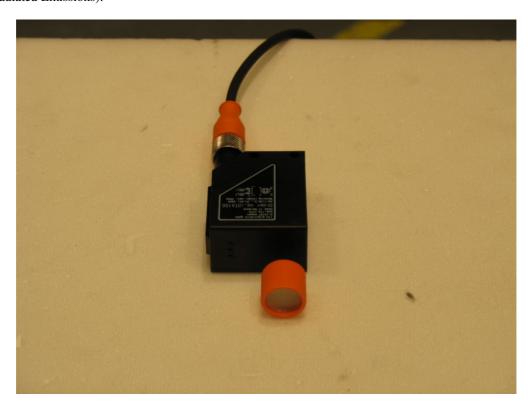


Photo 2 (Radiated Emissions):



Untertürkheimer Str. 6-10, 66117 Saarbruecken RSC-Laboratory

Phone: +49 (0) 681 598-0 Phone: +49 (0) 681 598-0 Fax: -9075 Fax: -9075



Test report no.: 2-4404-01-06/06 Date: 2006-10-13 Page 20 of 23

7 Annex C: External Photographs of the Equipment



Photograph No.: 2



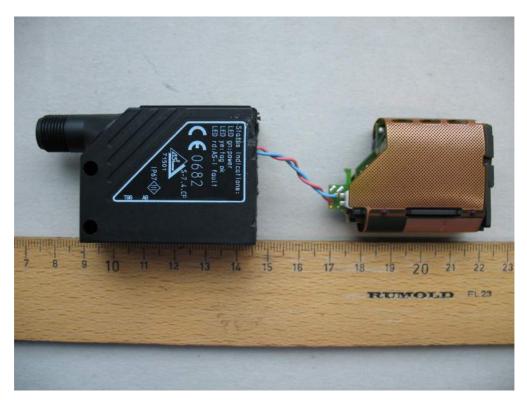
Untertürkheimer Str. 6-10, 66117 Saarbruecken Phone: +49 (0) 681 598-0 RSC-Laboratory Phone: +49 (0) 681 598-0





Test report no.: 2-4404-01-06/06 Date: 2006-10-13 Page 21 of 23

8 Annex D: INTERNAL PHOTOGRAPHS OF THE EQUIPMENT



Photograph No.: 2



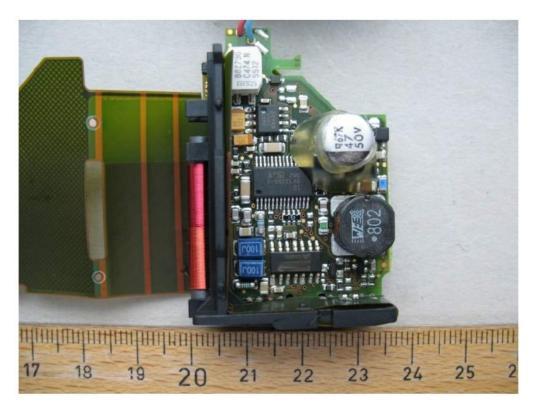
Untertürkheimer Str. 6-10, 66117 Saarbruecken RSC-Laboratory

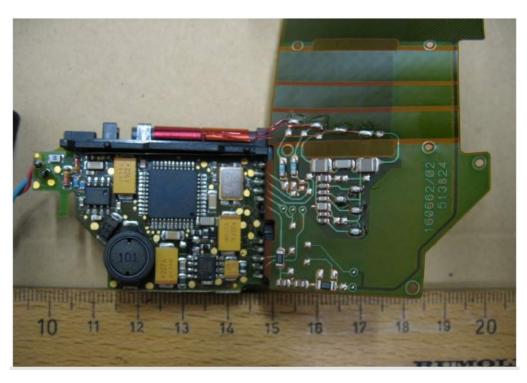
Phone: +49 (0) 681 598-0 Phone: +49 (0) 681 598-0 Fax: -9075 Fax: -9075



Test report no.: 2-4404-01-06/06 Date: 2006-10-13 Page 22 of 23

Photograph No.: 3





Untertürkheimer Str. 6-10, 66117 Saarbruecken RSC-Laboratory

Phone: +49 (0) 681 598-0 Phone: +49 (0) 681 598-0 Fax: -9075 Fax: -9075 CETECO



Photograph No.: 5



