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

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Recognized by the Federal Communications Commission

Anechoic chamber registration no.: 90462 (FCC)

Anechoic chamber registration no.: 3463 (IC)



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. : 2-4302-01-02/06

Applicant : Idesco Oy

Type : Access 8 AHpin

Test Standard : FCC Part 15.209 / 207

RSS-210 Issue 6

FCC ID : UJRA8AHP Certification No. IC : 6701A-A8AHP

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ANNEX 1: TECHNICAL PRODUCT DESCRIPTION



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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: Dirk Hausknecht

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

Responsible for testing (Harro Ames)

1.1.2 Organizational items

Reference No.: 2-4302-01-02/06

Order No.:

 Receipt of EUT:
 2006-08-16

 Date(s) of test:
 2006-08-16

 Date of report:
 2006-10-09

Number of report pages: 25

Number of diagram pages (annex):

Version of template: 1.8

Responsible for laboratory (Dirk Hausknecht)



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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:	Idesco Oy
Address:	Teknollogiantie 9
	90570 Oulu
	Finland
Contact person:	Mr. Erno Väyrynen Tel: +358 20 743 4175 Fax: +358 8 551 4176
	email: erno.vayrynen@idesco.fi

1.2 Administrative data of manufacturer / member

Manufacturer's name:	- applicant -	
Address:		



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1.3 Description of the Equipment under test (EUT)

1.3.1 EUT: Type, S/N etc.

Type of equipment : RFID Reader

Model name : Access 8 AHpin

Manufacturer : Idesco Oy

Address : Teknollogiantie 9
City : 90570 Oulu
Country : Finland
Tested to Radio Standards Specification(RSS) No. : 210 Issue 6

Open Area Test Site Industry Canada Number : 3463

Frequency Range (or fixed frequency) : Tx: 125 kHz

R F: Power in Watts : -/-

Field Strength (at what distance) : 1.26 mV/m ($62 \text{ dB}\mu\text{V/m}$) in 10m

Occupied Bandwidth (99% BW) :

Type of Modulation : NON (inductive loop)

Antenna Information : Loop antenna Emission Designator : 1K00N0N

Transmitter Spurious (worst case) : 35.7 dBµV/m@3m (54.5 MHz)

Receiver Spurious (worst case) : -/-

IC no. : 6701A-A8AHP FCC ID : UJRA8AHP

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.

· Ams

Laboratory Manager:

2006-10-09 Harro Ames

Date Name Signature



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1.4 Test Setup

Hardware : Software :

1.5 Test Specifications

FCC: CFR Part 15.209 / 207
IC: RSS 210, Issue 6



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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 and RSS-GEN	applicable	Verdict
4.1	§ 15.35 (c) Timing of the transmitter (Duty cycle	Pulsed Operation	YES	pass
	correction factor)		TLS	pass
4.2	§ 15.209 (a)	2.6	T T T T	
	FIELDSTRENGTH OF FUNDAMENTAL		YES	pass
4.3	§ 15.209 (a)	2.2		
	FIELDSTRENGTH OF HARMONICS and SPURIOUS		YES	pass
4.4	§ 15.109	2.2		
	Receiver spurious emissions		NO	
	(radiated)			
4.5	§ 15.107 / 15.207 Conducted Limits	Section 6.6, 7.4	YES	pass



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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, 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 15.109 and 15.107

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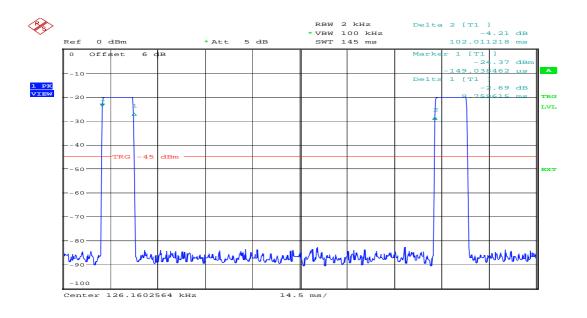
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4 FCC Part 15 Subpart B

4.1 Timing of the transmitter

Reference

FCC: CFR Part SUBCLAUSE § 15.35 (c)
IC: RSS 210, ISSUE 6 6.5 Pulsed operation



Date: 18.AUG.2006 10:18:01

This plot was made to show the timing behavior of the product.

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

Reference

FCC: CFR Part SUBCLAUSE § 15.209 (a)

IC: RSS 210, Issue 6, 6.2.1

Maximum output power (average) - (radiated)

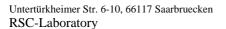
TEST CONDITIONS		MAXIMUM FIELD (at 10m)		
Frequ	iency	125		
•		kHz		
T _{nom} +21 °C	V _{nom} 24V DC	1.26 mV 62.0 dBµV/m		
Maximum deviation from output power under extreme test conditions (dBc)			not applicable	
Measurement uncertainty			±3dB	

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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4.3 Field strength of the harmonics and the spurious

Reference

FCC: CFR Part SUBCLAUSE § 15.209 (a)

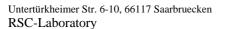
IC: RSS 210, Issue 6, 6.2.1

	EMISSION LIMITATIONS							
f (MHz)	amplitude of emission (dBµV/m) Average/QP	limit max. allowed emmision in dBμV/m	actual attenuation below frequency of operation (dB)	results				
0.125	62.0 (AV)	85.6 dBµV/m calculated at 10m	23.6 dB	Operating frequency				
0.375	49.0	76.4 dBµV/m calculated at 10m	27.4	pass				
54.5	35.7	40.0 at3m	4.3	pass				
67.9	28.7	40.0 at3m	11.3	pass				
108.5	35.2	43.5 at3m	8.3	pass				
135.8	31.2	43.5 at3m	12.3	pass				
162.8	29.7	43.5 at3m	13.8	pass				
190.4	27.6	43.5 at3m	15.9	pass				
325.9	25.5	46.0 at3m	20.5	pass				
Measurem	nent 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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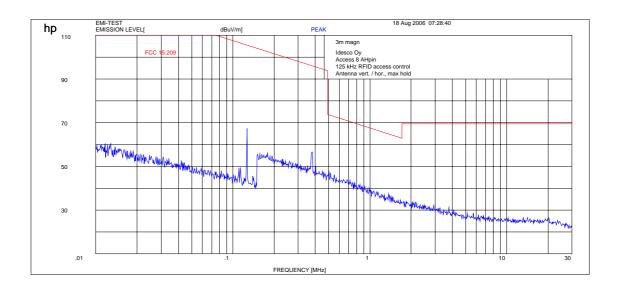




4.4 Plots of measurements

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

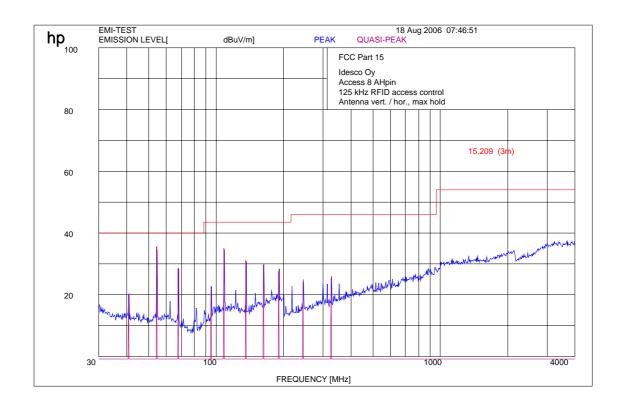




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Plot 2:

TX (30 MHz to 4 GHz)



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4.5 Receiver spurious emission (radiated)

not applicable

Reference

FCC: CFR Part SUBCLAUSE § 15.109

IC: RSS 210, Issue 6, Section 7.3 Receiver Spurious Emissions (Radiated)

	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]
Measurement uncertainty			±3 dB					

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

Limits

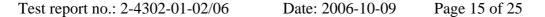
SUBCLAUSE § 15.109

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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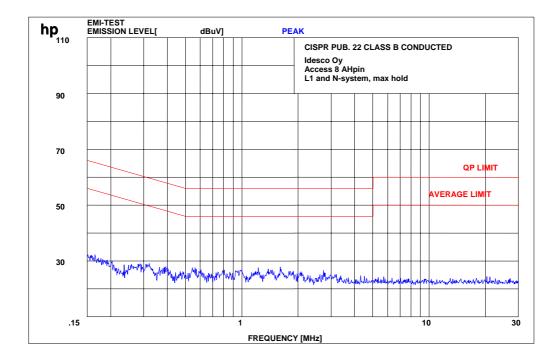
4.6 Conducted Limits

Reference

FCC: CFR Part 15.207, 15.107

IC: RSS 210, Issue 6, Section 6.6, 7.4

for this measurement we used a power supply from our house, as there is no dedicated power supply.



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







CETECOM

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5 Used Testequipment

No.	Instrument/ Ancillary	Manufacturer	Туре	Serial-No.	Internal ID No.		
	Anechoic chamber				110.		
1.	Anechoic chamber	MWB		87400/02	300000996		
2.	Bi conical antenna	EMCO	3104C	9909-4868	300002590		
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	1520	300000983		
13.	Power attenuator	Byrd	8325	1530	300001595		
14. 15.	Band reject filter Band reject filter	Wainwright Wainwright	WRCG1855/1910 WRCG2400/2483	7	300003350 300003351		
16.	Power supply unit	Hewlett-Packard	6032A	2818A03450	300003331		
17.	Universal	Rohde & Schwarz	CMU 200	103992	300001040		
17.	communication tester	Ronde & Senwarz	CIVIO 200	103772	300003231		
	T 1 4 1 C1 4	D D :					
	Laboratories Short		I		T		
18.	Amplifier	Parzich GMBH	js42-00502650- 28-5a	928979	300003143		
19.	Analog-/Digital multi-		DF-971A	438309,	400000082		
	meter			438320, 438361			
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		<u> </u>
30.	Power sensor	Hewlett-Packard	8484A	2237A10156	300001140	 	
31.	Power sensor	Hewlett-Packard	8482A	2237A06016	300001139	 	
32.	Power sensor Power sensor	Hewlett-Packard Hewlett-Packard	8484A 8482A	2237A10494 1925A04674	300001666 300001667		
34.	D.	Hewlett-Packard	8485A	2238A00849	300001668		
35.	Power sensor Power sensor	Hewlett-Packard	8482A	2237A06009	300001008		
36.	Power sensor	Hewlett-Packard	8482B	2703A02586	300001207		
	(attenuator)		7 0000 t	2012102221	200002010		
37.	Local Oscillator	Hewlett-Packard	70900A	2842A02221	300002019		
38.	Measurement Receiver	Rohde & Schwarz	ESH 2	871921/095	300002505		
39.	Multi-meter (Hand)	Siemens	Multizet		300001102		
40.	Multi-meter (Hand) Multi-meter (Hand)	Goerz MetraWatt	6EP MA4S		300001116 300001740		
42.	Multi-meter (Hand) Multi-meter digital	Rohde & Schwarz	UDS 5	872677/042	300001740		
43.	Power supply	Hewlett-Packard	6038A	3122A11097	300001323		
44.	Power supply Power supply	Hewlett-Packard	6038A	2848A07027	300001204		
45.	Power supply	Zentro	2X30V	2007	300001174		
46.	Power supply	Hewlett-Packard	6038A	2752A04866	300001109		
47.	Power supply	Heiden	1108-32	1701	300001101		
48.	Power supply	Heiden	1108-32	1802	300001392		
49.	Power supply	Heiden	1108-32	3202	300001303		

Manufacturer

Test report no.: 2-4302-01-02/06

Instrument/

Display

Display 2

Display 3

Spectrum analyzer

Spectrum analyzer

Isolating transformer

Isolating transformer

Isolating transformer

Isolating transformer

Isolating transformer

84.

85.

86

87

88.

89

Hewlett-Packard

Hewlett-Packard

Erfi

Erfi

Erfi

Erfi

Grundig

85662A

85662

913501

MPL

MPL

6210

RT5A

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1925A00860

91350

91350

8781

300001208

300002306

300001205

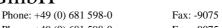
300001155

300001151

300001179

300001277

No.



Serial-No.

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Internal ID

Date: 2006-10-09

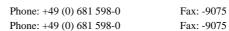


Type No. Ancillary LA 2x30/5GB2 2012 300001275 Power supply Zentro Power supply M5P 40/15A 828233 300001291 51 Systron 52. V-network AC Rohde & ESH3-Z5 828576/020 300001210 Schwarz Oscilloscope Hewlett-Packard 54502A 2934A01917 300001374 53. Power meter Hewlett-Packard 436A 2101A12378 300001136 300001105 55 436A 2031U01461 Power meter Hewlett-Packard Hewlett-Packard 2736A00707 300002018 56. Precision - frequency 70310A reference 57. Radio communication Rohde & CMTA 54 894043/010 300001175 analyzer Schwarz 894199/012 CMTA 84 300001176 58. Radio communication Rohde & analyzer Schwarz 59. Radio communication Rohde & CMTA 84 894581/013 300001355 analyzer Schwarz 60. Signal generator Hewlett-Packard 8111A 2215G00867 300001117 Rohde & SMPC 882416/019 300001162 61. Signal generator Schwarz 62. Function signal Rohde & AFGU 862490/032 300001201 Schwarz generator 63. Function signal Rohde & APN-04 894326/014 300001184 Schwarz generator 64. Signal generator 0.01-Hewlett-Packard 2224A01012 8662A 300001110 1280 MHz Signal generator 0.01-Hewlett-Packard 2232A01038 300001264 65. 8662.A $1280~\mathrm{MHz}$ 864219/033 300001410 66. Signal generator 0.1-Rohde & SMH 2000 MHz Schwarz 67. Signal generator 0.1-Rohde & SMH 883909/010 300001183 2000 MHz Schwarz Signal generator 0.1-2838U00736 68. Hewlett-Packard 8657A 300001009 2060 MHz 69. Signal generator 0.1-Hewlett-Packard 8665A 2833A00109 300001177 4200 MHz Signal generator 0.1-Hewlett-Packard 2833A00112 300001373 8665A 4200 MHz 71. Signal generator 0.1-Rohde & SMHU 2790575 300001404 4320 MHz Schwarz SMHU 894055/005 300001190 72. Signal generator 0.1-Rohde & 4320 MHz Schwarz 73. Signal generator DC-Hewlett-Packard 8904A 2822A01213 300001157 600 KHz 74. Signal generator DC-Hewlett-Packard 8904A 2822A01214 300001158 600 KHz Signal generator DC-2822A01203 75. Hewlett-Packard 8904A 300001367 600 KHz APN 04 2273637 300001395 Rohde & 76. Function signal generator Schwarz Signal generator NF SPN 880139/068 300001142 77. Rohde & Schwarz 78. Rohde & Spectrum Analyzer Schwarz FSiQ26 835111/0004 300002678 71210A (70000) Hewlett-Packard 79 Spectrum analyzer 2731A02347 300000321 Spectrum analyzer Rohde & 300001223 Schwarz 85660B 3138A07614 300001207 81. Spectrum analyzer 2 Hewlett-Packard 82 Spectrum analyzer 3 Hewlett-Packard 8566A 1925A00257 300001098 2840A01553 83. Spectrum analyzer Hewlett-Packard 70206A 300002017



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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			
		<u> </u>						
	Laboratory Bluetooth							
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- 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-			
105	0 1 1 1	D 1 1 0 0 1	aggri		0005			
105.	Switch unit	Rohde & Schwarz	SSCU		300002681- 0006			
106.	Attenuator-step	Rohde & Schwarz	RSP	834500/010	300002681-			
100.	Attenuator-step	Konde & Schwarz	KSF	634300/010	0007			
107.	Frequency normal	Rohde & Schwarz	Rubidium		300002681-			
107.	l'requency normar	Ronde & Benwarz	Rubiaiaiii		0009			
108.	Power sensor	Rohde & Schwarz	NRV-Z1	833894/012	300002681-			
					0013			
	Conducted emission	on 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	27.12.1.02.500	200001100			
115.	DC power supply	Hewlett-Packard	6032A	2743A02600	300001498			
116. 117.	V-network AC	Rohde & Schwarz	ESH3-Z5 ESH3-Z6	861189/014	300001458 300001504			
117.	V-network DC V-network DC	Rohde & Schwarz Rohde & Schwarz	ESH3-Z6	893689/012 861406/005	300001504			
119.	V-HELWOIK DC	Konde & Schwarz	ESH3-Z0	801400/003	300001318			
120.								
121.								
122.								
123.								
124.								
125.								
126.								
127.								
128.								
129.					1			
130.					1			
131.								
132.		1	-		1			
133.		1	1		1			
134.		I	1	1	1	I	1	



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Fax: -9075 Fax: -9075



6 Annex B: Photographs of Test site

Photo 1 (Radiated Emissions):





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 Fax: -9075



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Test report no.: 2-4302-01-02/06 Date: 2006-10-09 Page 20 of 25

Photo 2 (Radiated Emissions):



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



Fax: -9075

Fax: -9075

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Photo 3 (Conducted Emissions):

for this measurement we used a power supply from our house, as there is no dedicated power supply.



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7 Annex C: External Photographs of the Equipment

Photo 1:





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Test report no.: 2-4302-01-02/06 Date: 2006-10-09 Page 23 of 25

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Photo 2:



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

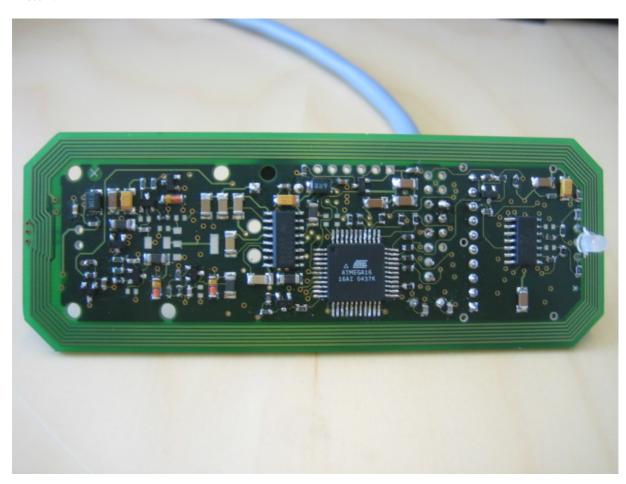
 RSC-Laboratory
 Phone: +49 (0) 681 598-0
 Fax: -9075



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8 Annex D: INTERNAL PHOTOGRAPHS OF THE EQUIPMENT

Photo 1:



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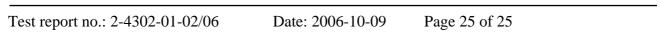


Photo 2:

