



Accredited testing-laboratory

DAR registration number: DGA-PL-176/94-D1

Federal Motor Transport Authority (KBA)
DAR registration number: KBA-P 00070-97

Recognized by the Federal Communications Commission
Anechoic chamber registration no.: 90462 (FCC)
Anechoic chamber registration no.: 3462C-1 (IC)

Certification ID: DE 0001
Accreditation ID: DE 0002

Accredited Bluetooth® Test Facility (BQTF)
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Test report no. : 1-1887-01-05/09
Type identification : XL600
Applicant : RSI Video Technologies
FCC ID : X46XL00
IC Certification No : 8816A-XL00
Test standards : FCC Part 15.225
RSS – 210 Issue 7

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1 General information

1.1 Notes

The test results of this test report relate exclusively to the test item specified in 3.1.1. The CETECOM ICT Services GmbH does not assume responsibility for any conclusions and generalisations 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.

Test laboratory manager:

2010-02-10 Meheza K. Walla

Date

Name

Signature



Technical responsibility for area of testing:

2010-02-10 Stefan Boes

Date

Name

Signature



1.2 Testing laboratory

CETECOM ICT Services GmbH

Untertürkheimer Straße 6 - 10

66117 Saarbrücken

Germany

Phone: + 49 681 5 98 - 0

Fax: + 49 681 5 98 - 9075

e-mail: info@ICT.cetecom.de

Internet: http://www.cetecom-ict.de

State of accreditation: The test laboratory (area of testing) is accredited according to
DIN EN ISO/IEC 17025
DAR registration number: DGA-PL-176/94-D1

Accredited by: Federal Motor Transport Authority (KBA)
DAR registration number: KBA-P 00070-97

Testing location, if different from CETECOM ICT Services GmbH:

Name :

Street :

Town :

Country :

Phone :

Fax :

1.3 Details of applicant

Name:	RSI Video Technologies
Street:	56, rue Jean Giraudoux - Bâtiment 60
Town:	67200 Strasbourg.
Country:	FRANCE
Telephone:	+33 (0) 3 90 20 66 96
Fax:	+33 (0) 3 90 20 66 36
Contact:	Thierry Petri
E-mail:	thierry.petri@rsivideotech.com
Telephone:	+33 (0) 3 90 20 66 96

1.4 Application details

Date of receipt of order: 2009-12-09

Date of receipt of test item: 2010-01-26

Date of start test: 2010-01-26

Date of end test 2010-02-10

**Persons(s) who have been
present during the test:** Mr. François Griset

2 Test standard/s

FCC:	CFR Part 15 – Radio Frequency Devices CFR Part 15.209 – Radiated emission limits. CFR Part 15.225
IC:	RSS 210, Issue 7 Low-power Licence-exempt Radio communication Devices (All Frequency Bands): Category I Equipment

3 Technical tests

3.1 Details of manufacturer

Name:	RSI Video Technologies
Street:	56, rue Jean Giraudoux - Bâtiment 60
Town:	67200 Strasbourg.
Country:	FRANCE

3.2 Test Item

Kind of test item	:	XL alarm panel (RFID 13.56 MHz)
Type identification	:	XL600
S/N serial number	:	F0105109230203F9
HW hardware status	:	-/-
SW software status	:	-/-
Frequency Band [MHz]	:	13.56 MHz
Frequency Range (or fixed frequency)	:	13.56 MHz
Type of Modulation	:	A1D
Number of channels	:	1
Antenna	:	Integrated antenna
Power Supply	:	4*1.5 V DC from alkaline battery LR20-AM1 (EUT) 4*1.5 V DC from alkaline battery LR20-AM1 (Backup)
Temperature Range	:	-20 °C to +55 °C

FCC ID:

X46XL00

IC:

8816A-XL00

3.3 Test Item (Additional EUT information For IC Canada (appendix 2)

IC Registration Number:	8816A-XL00
Model Name:	XL600
Details of Manufacturer	
Company	: RSI Video Technologies
Address	: 56, rue Jean Giraudoux - Bâtiment 60
City	: 67200 Strasbourg.
Country	: FRANCE
Details of EUT	
S/N serial number	: F0105109230203F9
HW hardware status	: -/-
SW software status	: -/-
Tested to Radio Standards Specification (RSS) No.:	RSS-210 Issue 7
Open Area Test Site Industry Canada Number	: IC 3462C-1
Frequency Range (or fixed frequency)	: 13.56 MHz
Field Strength (at what distance)	: 38 dBμV/m at 10m
Occupied Bandwidth (99% BW)	: 10 kHz
Type of Modulation	: A1D
Number of channels	: 1
Antenna information	: Integrated antenna
Transmitter Spurious (worst case)	: 34.70 dBμV/m at 10m
Receiver Spurious (worst case)	: 23.10 dBμV/m at 10m
Power Supply	: 4*1.5 V DC from alkaline battery LR20-AM1 (EUT) 4*1.5 V DC from alkaline battery LR20-AM1 (Backup)
Temperature Range	: -20 °C to +55 °C

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 :

2010-02-10 Meheza K. Walla
 Date Name


 Signature

3.4 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: **8816A**
2. MODEL NUMBER: **XL600**
3. MANUFACTURER: **RSI Video Technologies**
4. TYPE OF EVALUATION: **N/A**

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: Meheza K. Walla
Title: Expert
Company: Cetecom ICT Services GmbH

3.5 Extreme conditions testing values

Description	Shortcut	Unit	Value
Nominal Temperature	T _{nom}	°C	+23
Nominal Humidity	H _{nom}	%	50
Nominal Power Source	V _{nom}	V	6

Type of power source: DC from alkaline battery LR20-AM1

4 Statement of Compliance

4.1 Summary of Measurement Results

- No deviations from the technical specifications were ascertained
- There were deviations from the technical specifications ascertained

4.2 CFR 47 Part 15 Unintentional Radiators

Section in this Report	Test Name / Section FCC Part 15	Test Name / Section RSS 210	Applicable	Verdict
4.1	§ 15.35 (c) Timing of the transmitter (Duty cycle correction factor)	6.5 Pulsed Operation	NO	
4.2	§ 15.225 (a) FIELDSTRENGTH OF FUNDAMENTAL	Annex 2.6	YES	PASS
4.3	§ 15.225 (b,c,d) FIELDSTRENGTH OF HARMONICS and SPURIOUS	Annex 2.6	YES	PASS
4.4	§ 15.225 (e) Frequency tolerance	Annex 2.6	YES	PASS
4.5	§ 15.107 / 15.207 Conducted Limits	Section 6.6 , 7.4	NO	

5 Measurements and results

The radiated measurements are performed in vertical and horizontal plane in the frequency range from 9 kHz to 1 GHz in semi-anechoic chambers or free field. 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, active 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

6 FCC Part 15 Subpart C

6.1 Timing of the transmitter

Not applicable!

Reference

FCC:	CFR Part SUBCLAUSE § 15.35 (c)
IC:	RSS 210, Issue 7 6.5 PULSED OPERATION

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.

6.2 Field strength of the fundamental

Reference

FCC:	CFR Part SUBCLAUSE § 15.225 (a)
IC:	RSS 210, Annex 2.6

Maximum output power (peak) – (radiated)

Measured at 10m distance, recalculated to 30 m according to FCC part 15.31 (f2)

TEST CONDITIONS		MAXIMUM POWER [dB μ V/m]	
Frequency		13.56 MHz	
measured at		10m	30m
T _{nom} = +23 °C	V _{nom} = 6 V DC	38	18
Measurement uncertainty		±3dB	

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

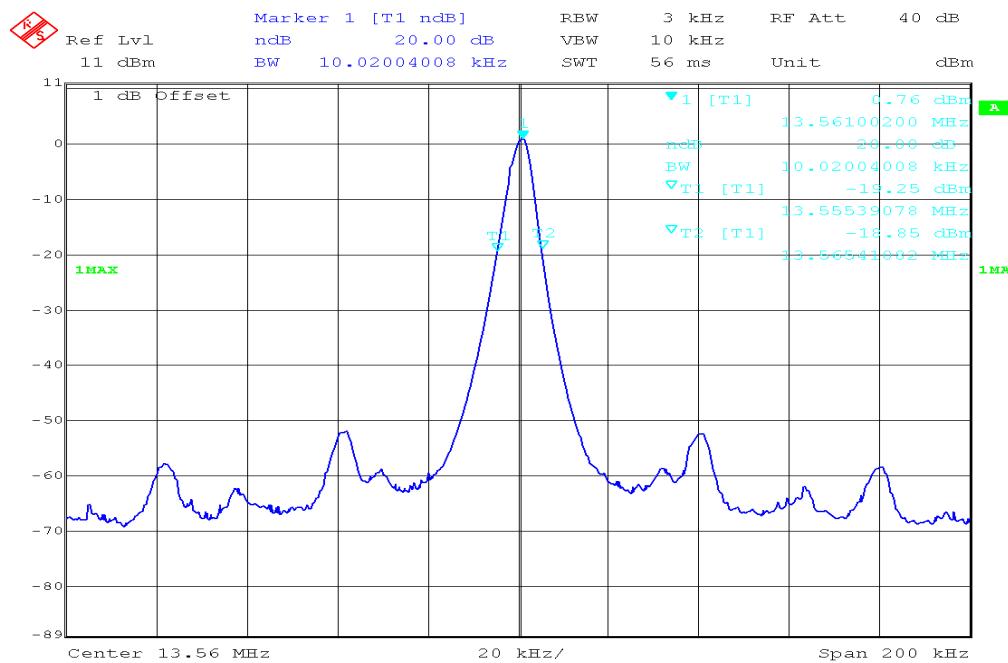
Measurement distance 10 m

(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 20 dB to recalculate from 10m to 30m).

Limits

SUBCLAUSE § 15.225 (a)

Fundamental Frequency (MHz)	Field strength (μ V/m)	Measurement Distance (meters)
13.553 – 13.567	15848 μ V/m (84 dB μ V/m)	30
	158489 μ V/m (84 dB μ V/m)	30
		Recalculated acc. to FCC part 15.31 (f2)

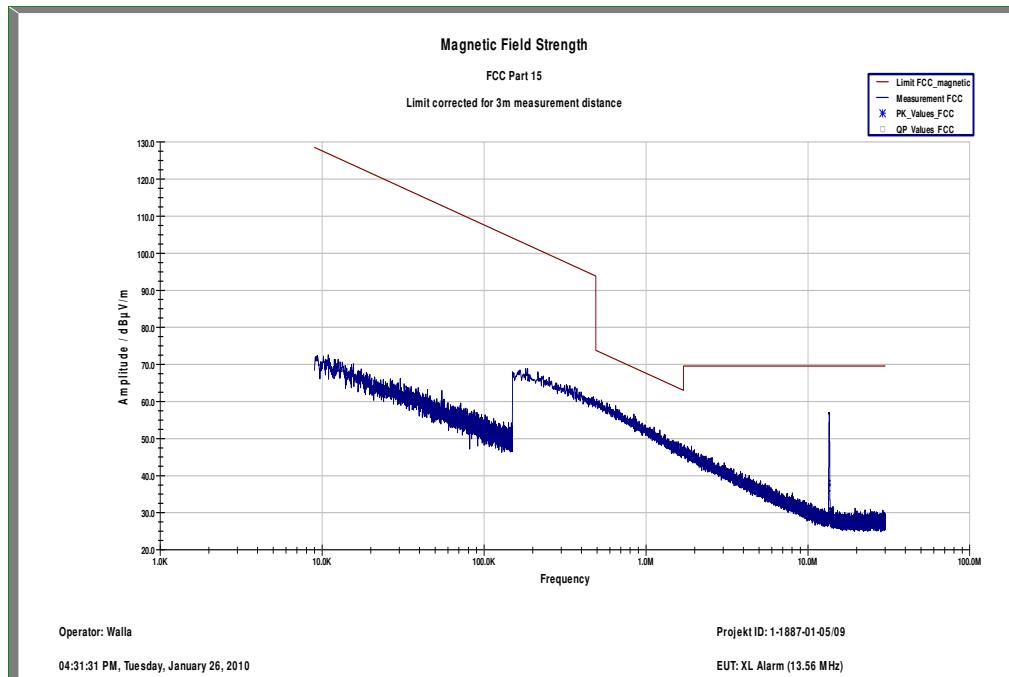
Occupied Bandwidth

6.3 Field strength of the harmonics and the spurious

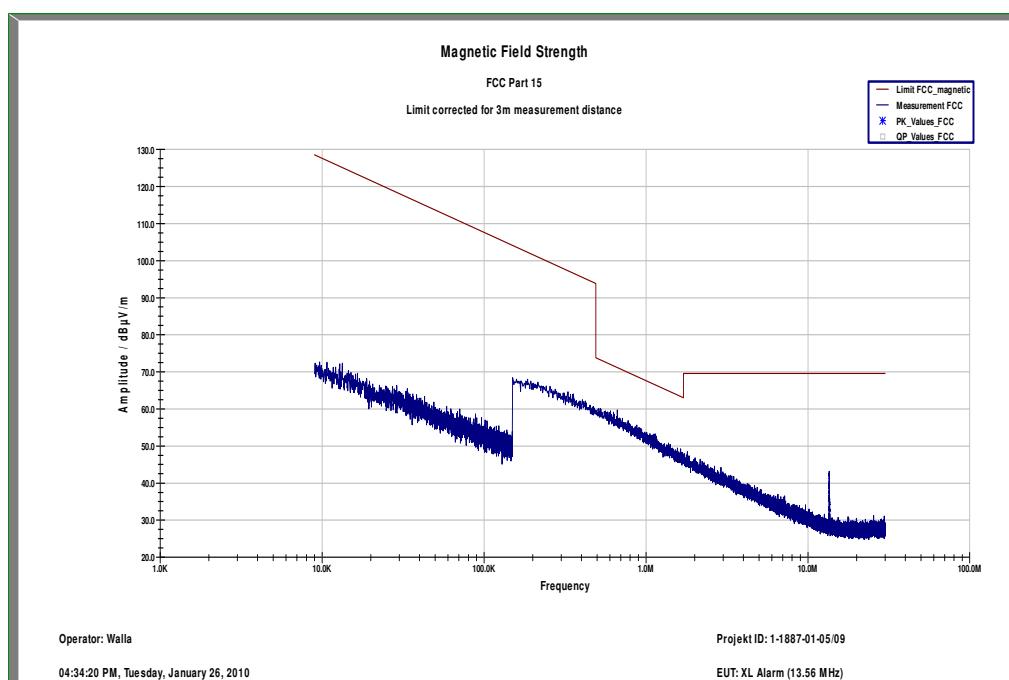
Reference

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

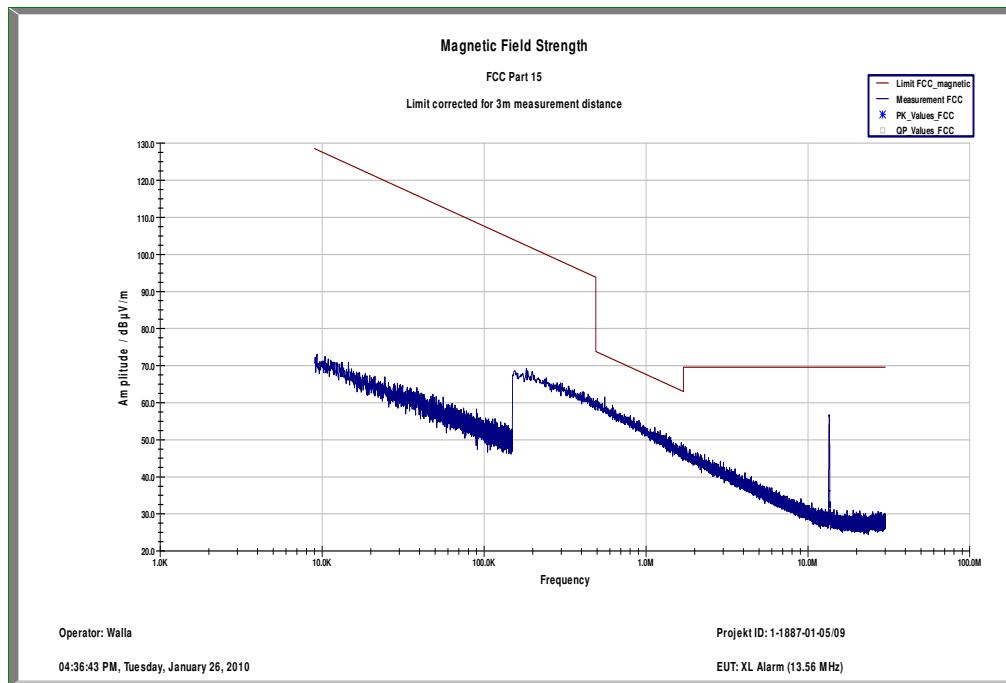
Plot 1: TX-Mode, EUT Front view



Plot 2: TX-Mode, EUT Side view



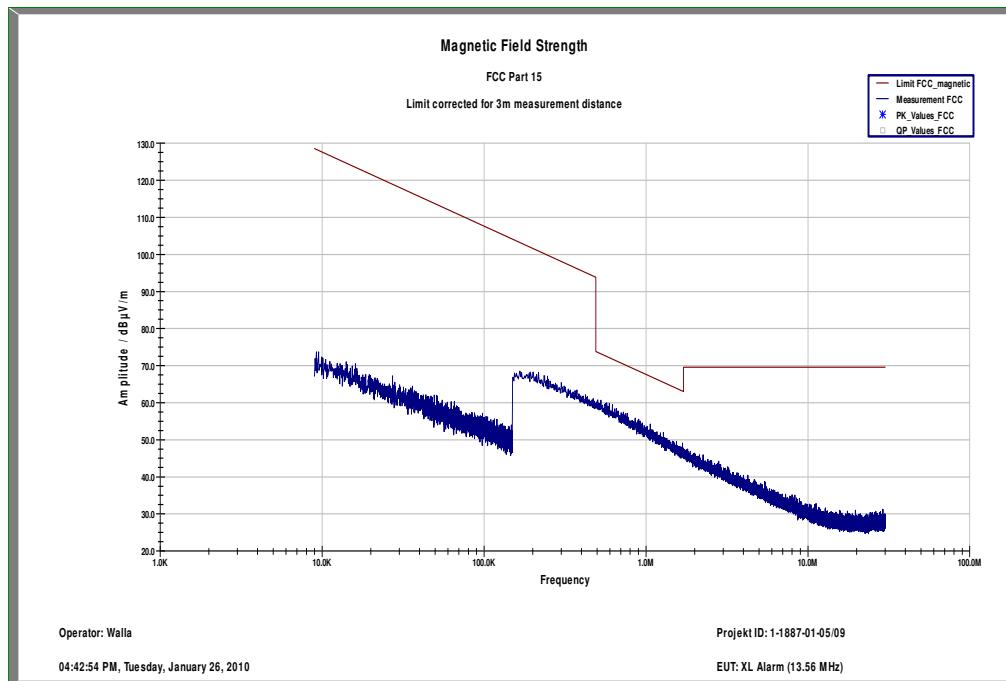
Plot 3: TX-Mode, EUT Back view

**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 (29.5 dB μ V/m)	30
30.0 – 88.0	100 (40 dB μ V/m)	3
88 – 216	150 (43.5 dB μ V/m)	3
216 – 960	200 (46 dB μ V/m)	3

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

Plot 4: RX-Mode

**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 (29.5 dB μ V/m)	30
30.0 – 88.0	100 (40 dB μ V/m)	3
88 – 216	150 (43.5 dB μ V/m)	3
216 – 960	200 (46 dB μ V/m)	3

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

Plot 5: TX-Mode, 30 MHz to 1 GHz

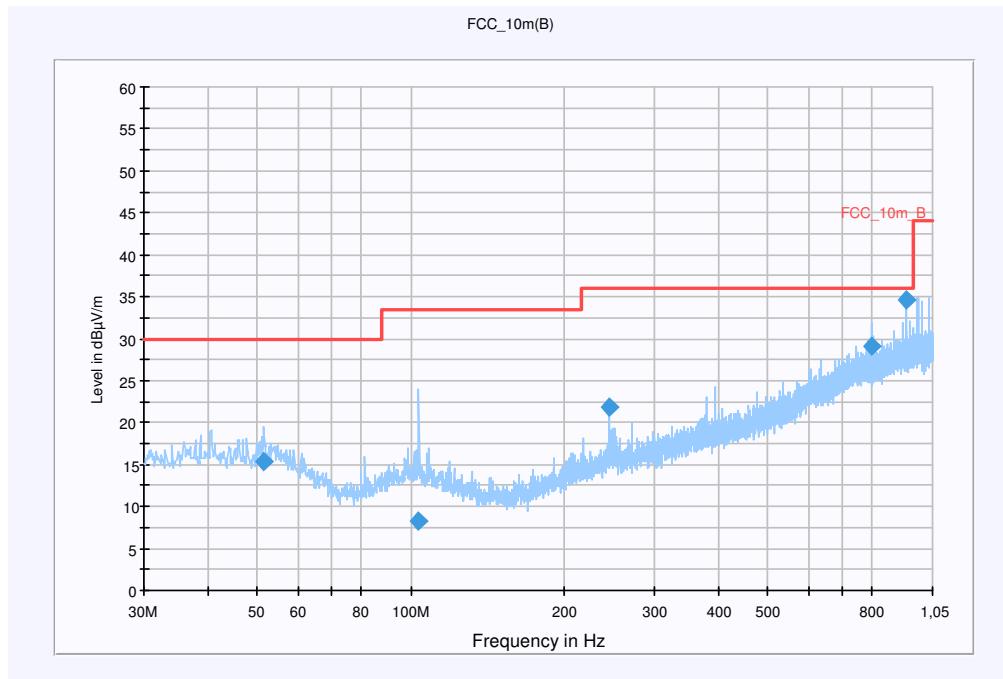
Information

EUT:	XL600
Serial Number:	F0105109230203F9
Test Description:	FCC Part 15
Operating Conditions:	RFID TX-Mode (13.56 MHz)
Operator Name:	Kraus
Comment:	Powered from 6V DC (Alkaline Battery)

Scan Setup: FCC_Fin [EMI radiated]

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

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



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)
51.582150	15.3	15000.000	120.000	117.0	V	5.0	13.4	14.7	30.0
103.582200	8.2	15000.000	120.000	143.0	V	181.0	12.0	25.3	33.5
244.073400	21.8	15000.000	120.000	100.0	V	4.0	13.4	14.2	36.0
800.037300	29.0	15000.000	120.000	127.0	H	209.0	24.3	7.0	36.0
935.630850	34.7	15000.000	120.000	100.0	H	333.0	25.8	1.3	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 3.32, CAL 07.01.2009
Signal Path:	without Notch FW 1.0
Antenna:	VULB 9163 SN 9163-295, FW ---, CAL 08.04.2010 Correction Table (vertical): VULP6113 Correction Table (horizontal): VULP6113 Correction Table: Cabel with switch (0908)
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 6.30.10 + Service Pack 2

Plot 6: RX-Mode, 30 MHz to 1 GHz

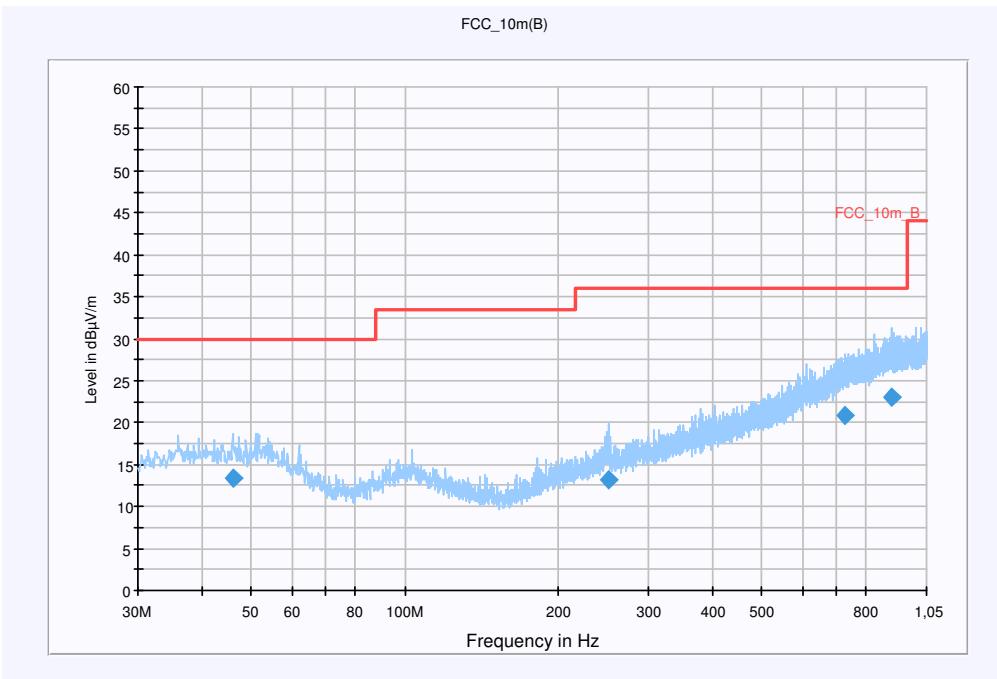
Information

EUT:	XL600
Serial Number:	F0105109230203F9
Test Description:	FCC Part 15
Operating Conditions:	RFID RX-Mode
Operator Name:	Kraus
Comment:	Powered from 6V DC (Alkaline Battery)

Scan Setup: FCC_Fin [EMI radiated]

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

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



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)
46.044450	13.3	15000.000	120.000	100.0	V	185.0	13.4	16.7	30.0
250.203000	13.2	15000.000	120.000	100.0	V	143.0	13.6	22.8	36.0
724.459650	20.8	15000.000	120.000	207.0	H	38.0	23.6	15.2	36.0
897.804000	23.1	15000.000	120.000	348.0	H	106.0	25.7	12.9	36.0

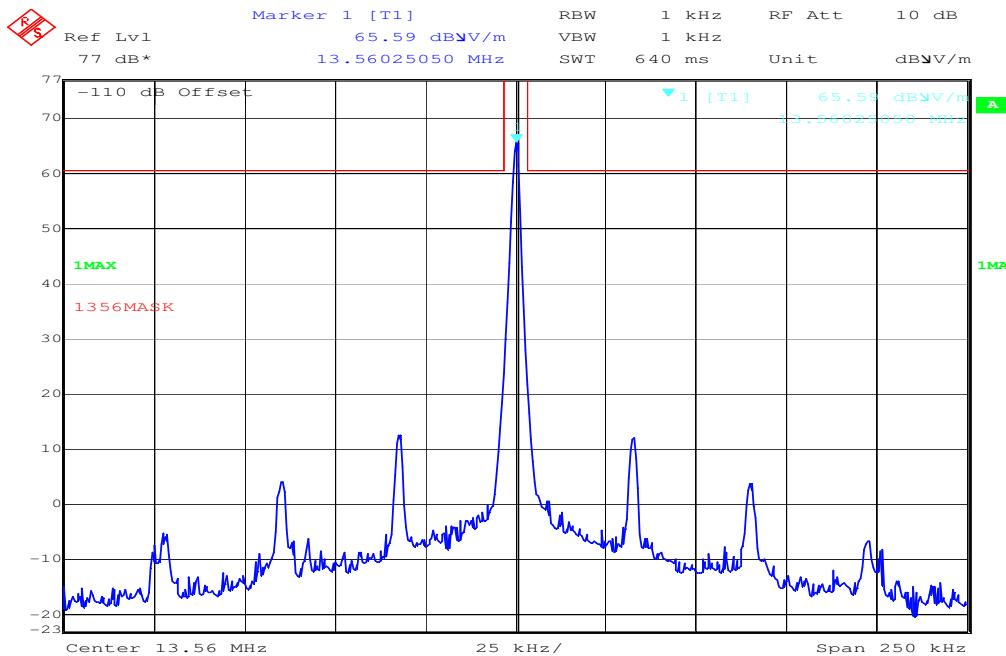
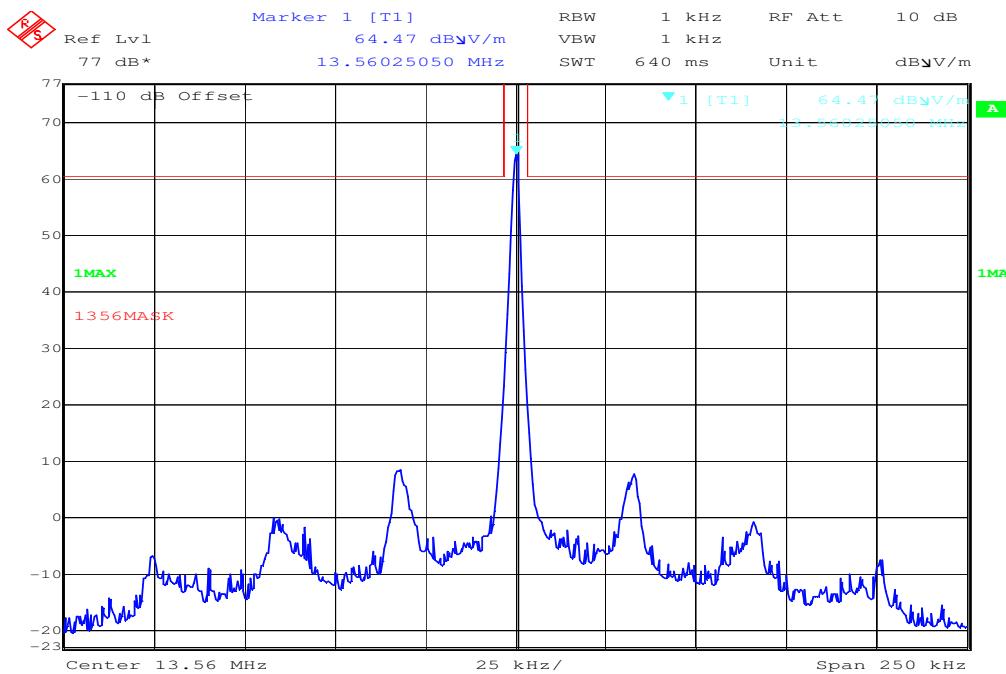
Hardware Setup: EMI radiated\Electric Field (NOS) - [EMI radiated]

Subrange 1	
Frequency Range:	30 MHz - 2 GHz
Receiver:	Receiver [ESCI 3] @ GPIB0 (ADR 20), SN 100083/003, FW 3.32, CAL 07.01.2009
Signal Path:	without Notch FW 1.0
Antenna:	VULB 9163 SN 9163-295, FW ---, CAL 08.04.2010 Correction Table (vertical): VULP6113 Correction Table (horizontal): VULP6113 Correction Table: Cabel with switch (0908)
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

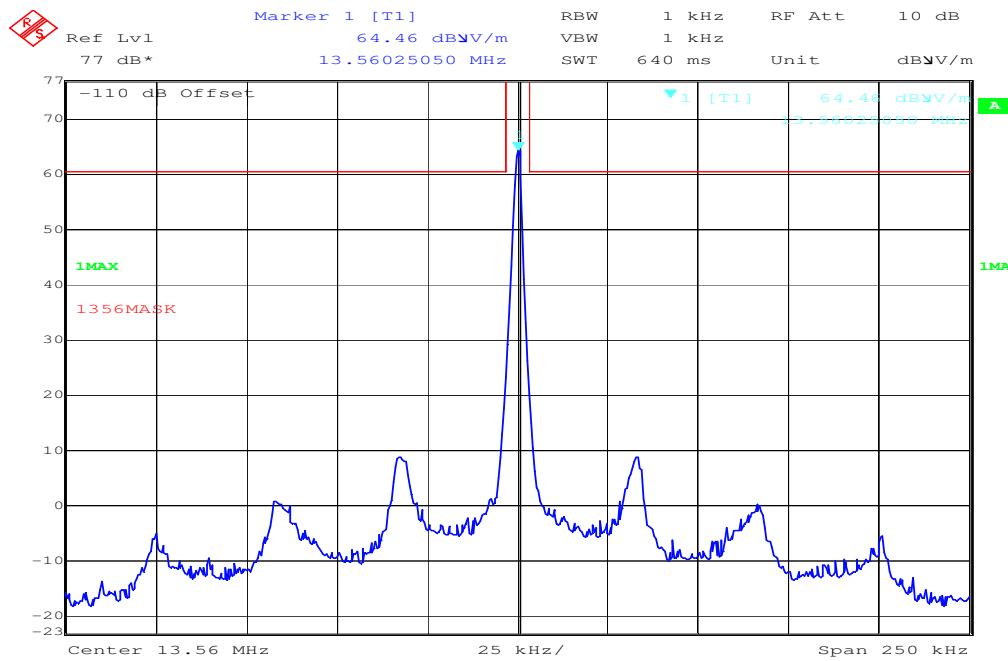
EMC 32 Version 6.30.10 + Service Pack 2

Spectrum mask part 15.225 (a,b,c,d)

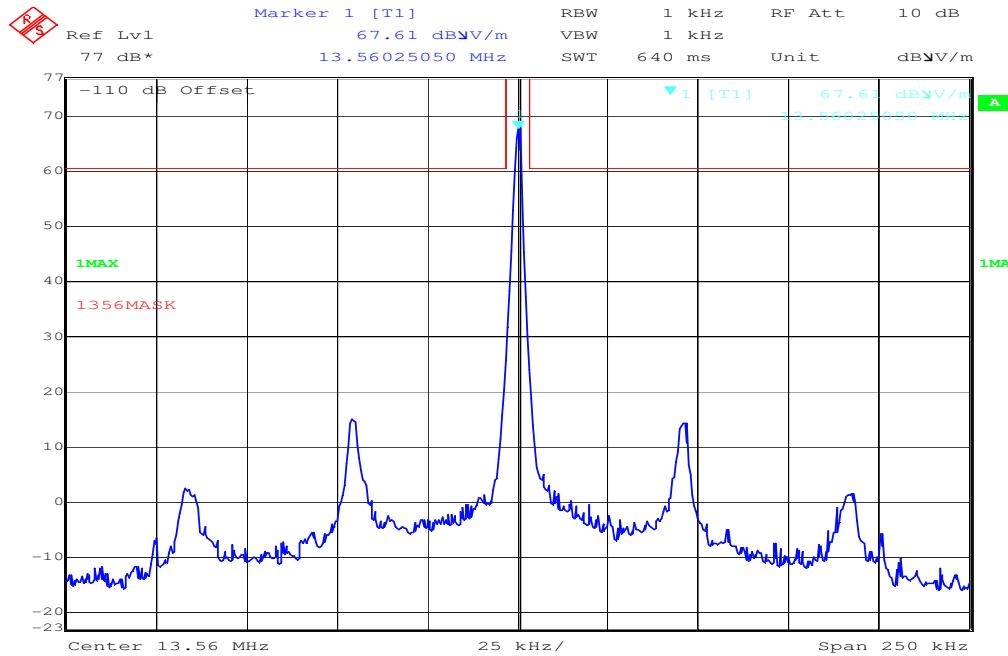
Plot 1: Normal conditions

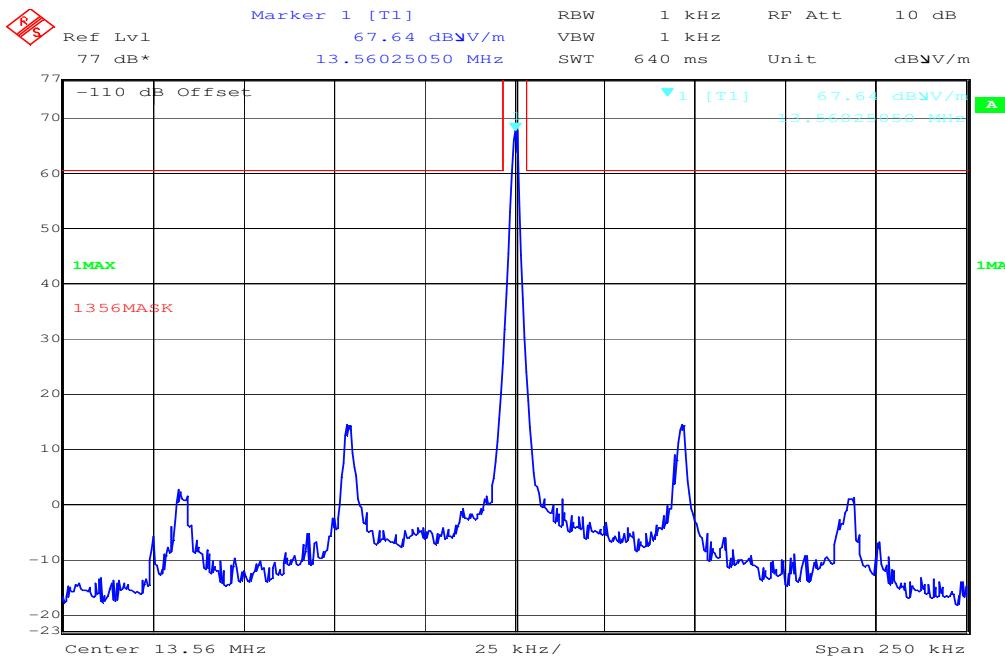
Plot 2: Extreme conditions (T_{high} and V_{high})

Plot 3: Extreme conditions (T_{high} and V_{low})



Plot 4: Extreme conditions (T_{low} and V_{high})



Plot 5: Extreme conditions (T_{low} and V_{low})

6.4 Frequency tolerance

Reference

FCC:	CFR Part SUBCLAUSE § 15.225 (e)		
IC:	RSS 210, Annex 2.6		

Frequency tolerance					
Over temperature variation			Over voltage variation		
13.56 MHz			13.56 MHz		
Temperature [°C]	Frequency [MHz]	Result	Power voltage [V]	Frequency [MHz]	Result
-20°	13.560 275	Pass	5.10	13.560 188	Pass
-10°	13.560 273	Pass	5.35	13.560 190	Pass
0°	13.560 198	Pass	5.60	13.560 192	Pass
10°	13.560 195	Pass	5.85	13.560 193	Pass
20°	13.560 190	Pass	6.10	13.560 188	Pass
30°	13.560 193	Pass	6.35	13.560 188	Pass
40°	13.560 195	Pass	6.60	13.560 180	Pass
50°	13.560 199	Pass	6.90	13.560 182	Pass
Measurement uncertainty			±100 Hz		

Limits

SUBCLAUSE § 15.225

The frequency tolerance of the carrier signal shall be maintained within +/- 0.01% of the operating frequency over a temperature variation of -20 degrees to +50 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C.

6.5 Conducted Limits

Not applicable!

Reference

FCC:	CFR Part 15.207, 15.107
IC:	RSS 210, Issue 7, Section 6.6 , 7.4

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

7 Test equipment and ancillaries used for tests

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 C:

No	Equipment/Type	Manuf.	Serial Nr.	Inv. No. Cetecom	Last Calibration	Frequency (months)	Next Calibration
1	Anechoic chamber	MWB	87400/02	300000996	Monthly verification		
2	System-Rack 85900	HP I.V.	*	300000222	n.a.		
3	Measurement System 1						
4	PSA-Spektrumanalysator 3 Hz - 26.5 GHz (E4440A)	Agilent	MY48250080	300003812	05.08.2008	24	05.08.2010
5	EMI Preselector 9 kHz - 1 GHz (N9039A)	Agilent	MY48260003	300003825	19.08.2008	24	19.08.2010
6	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 Broadband Antenna (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 verification (System cal.)		
16	Power attenuator 8325	Byrd	1530	300001595	Monthly verification (System cal.)		
17	Band reject filter WRCG1855/1910	Wainwright	7	300003350	Monthly verification (System cal.)		
18	Band reject filter WRCG2400/2483	Wainwright	11	300003351	Monthly verification (System cal.)		
19	Hochpassfilter WHK1.1/15G-10SS	Wainwright	3	300003255	Monthly verification (System cal.)		
20	Hochpassfilter WHKX2.9/18G-12SS	Wainwright	1	300003492	Monthly verification (System cal.)		
21	Hochpassfilter WHKX7.0/18G-8SS	Wainwright	18	300003789	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.		

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	3000002681-00xx	n.a.		
2	Memory Extension PSM-K10	R&S	To 1	3000002681	n.a.		
3	Operating Software PSM-B2	R&S	To 1	3000002681	n.a.		
4	19" Monitor		22759020-ED	3000002681	n.a.		
5	Mouse		LZE 0095/6639	3000002681	n.a.		
6	Keyboard		G00013834L461	3000002681	n.a.		
7	Spectrum Analyser FSIQ 26	R&S	835540/018	3000002681-0005	10.01.2008	24	10.01.2010
8	Tracking Generator FSIQ-B10	R&S	835107/015	3000002681	s.No.7		
10	RF-Generator SMIQ03 (B1 Signal)	R&S	835541/056	3000002681-0002	26.08.2008	36	26.08.2011
11	Modulation Coder SMIQ-B20	R&S	To 10	3000002681	s.No.10		
12	Data Generator SMIQ-B11	R&S	To 10	3000002681	s.No.10		
13	RF Rear Connection SMIQ-B19	R&S	To 10	3000002681	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	3000000486	n.a.		
17	Std gain horn antenna (18-26.5 GHz)	Narda	Model no. 638	3000000487	n.a.		
18	Sleeve dipole antenna Model 3126-880	ETS-Lindgren	00040887	3000000	n.a.		
19	Fast CPU SM-B50	R&S	To 10	3000002681	s.No.10		
20	FM Modulator SM-B5	R&S	835676/033	3000002681	s.No.10		
21	RF-Generator SMIQ03 (B2 Signal)	R&S	835541/055	3000002681-0001	25.08.2008	36	25.08.2011
22	Modulation Coder SMIQ-B20	R&S	To 16	3000002681	s.No.16		
23	Data Generator SMIQ-B11	R&S	To 16	3000002681	s.No.16		
24	RF Rear Connection SMIQ-B19	R&S	To 16	3000002681	s.No.16		
25	Fast CPU SM-B50	R&S	To 16	3000002681	s.No.16		
26	FM Modulator SM-B5	R&S	836061/022	3000002681	s.No.16		
27	RF-Generator SMP03 (B3 Signal)	R&S	835133/011	3000002681-0003	26.08.2008	36	26.08.2011
28	Attenuator SMP-B15	R&S	835136/014	3000002681	S.No.22		
29	RF Rear Connection SMP-B19	R&S	834745/007	3000002681	S.No.22		
30	Power Meter NRVD	R&S	835430/044	3000002681-0004	26.08.2008	24	26.08.2010
31	Power Sensor NRVD-Z1	R&S	833894/012	3000002681-0013	26.08.2008	24	26.08.2010
32	Power Sensor NRVD-Z1	R&S	833894/011	3000002681-0010	26.08.2008	24	26.08.2010
33	Rubidium Standard RUB	R&S		3000002681-0009	27.08.2008	24	27.08.2010
34	Switching and Signal Conditioning Unit SSCU	R&S	338864/003	3000002681-0006	Verified with path compensation		
35	Laser Printer HP Deskjet 2100	HP	N/A	3000002681-0011	n.a.		
36	19" Rack	R&S	11138363000004	3000002681	n.a.		
37	RF-cable set	R&S	N/A	3000002681	n.a.		
39	IEEE-cables	R&S	N/A	3000002681	n.a.		
40	Sampling System FSIQ-B70	R&S	835355/009	3000002681	s.No.7		
41	RSP programmable attenuator	R&S	834500/010	3000002681-0007	26.08.2008	24	26.08.2010
42	Signalling Unit	R&S	838312/011	3000002681	n.a.		
43	NGPE programmable Power Supply for EUT	R&S	192.033.41	3000002681			
44	Power Splitter 6005-3	Inmet Corp.	none	300002841	23.12.2008	24	23.12.2010
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: 3000002681-00xx inventoried as a system

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	Turtable 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	-/-	-/-	-/-	-/-

8 Photographs of the Test Set-up

Photo 1:



Photo 2



9 Photographs of the EUT

Photo 3:



Photo 4:

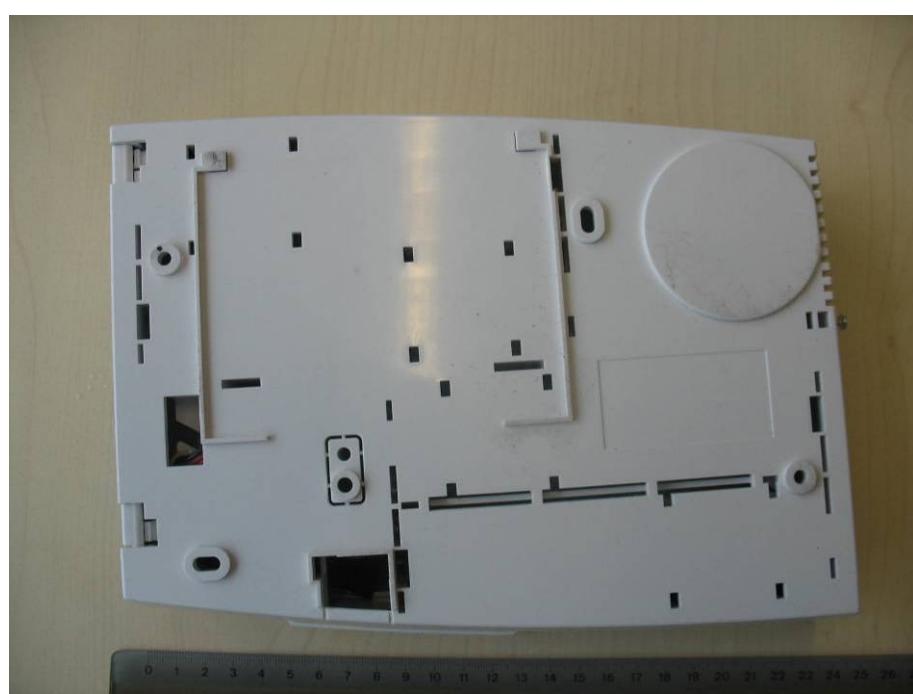


Photo 5:



Photo 6:



Photo 7:



Photo 8:



Photo 9:



Photo 10:



Photo 11:



Photo 12:



Photo 13:



Photo 14:



Photo 15:

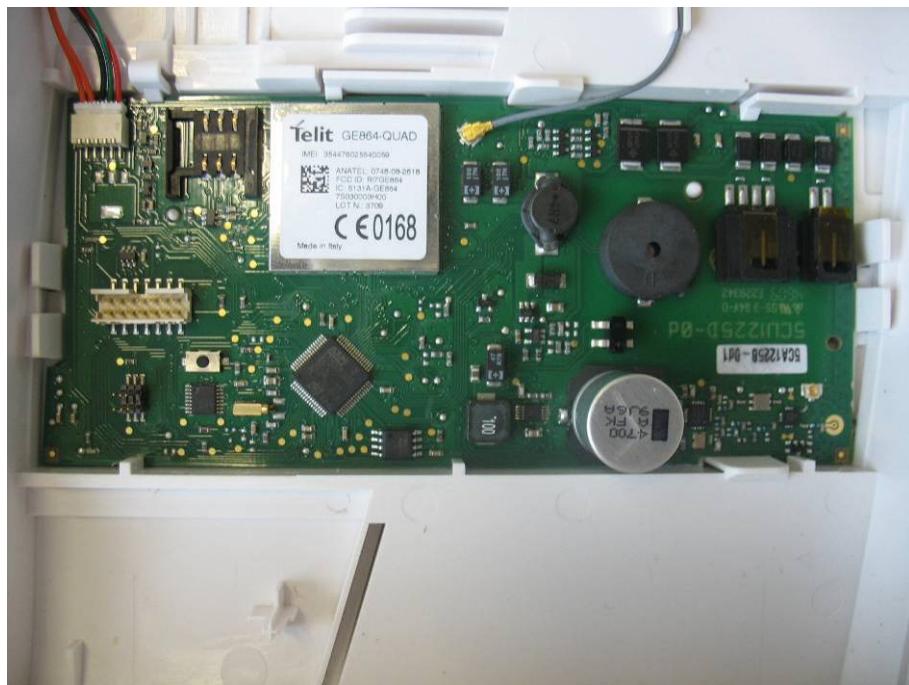


Photo 16:



Photo 17:

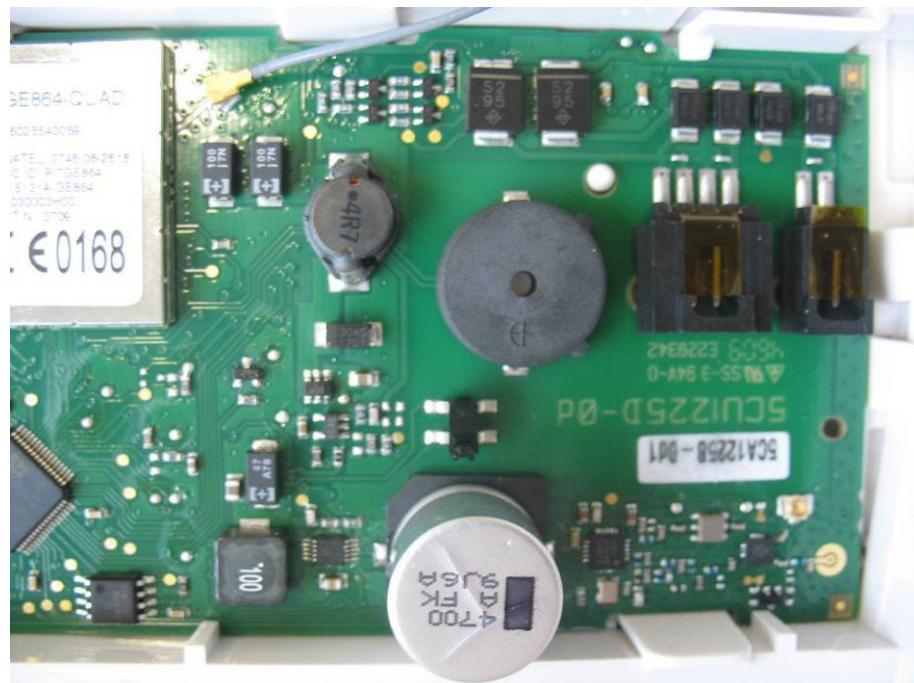


Photo 18:



Photo 19:

