

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p>0644</p> <p>Accredited to ISO/IEC 17025:2005</p>	RFI Global Services Ltd	
	Issue No: 116	Issue date: 01 December 2011
	Pavillion A Ashwood Park Ashwood Way Winklebury Basingstoke Hampshire RG23 8BG	Contact: Mr John Newell Tel: +44 (0)1256 312000 Fax: +44 (0)1256 312001 E-Mail: sales@rfi-global.com Website: www.rfi-global.com
Testing performed by the Organisation at the locations specified below		

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code	
Address Pavillion A Ashwood Park Ashwood Way Basingstoke Hampshire RG23 8BG	Local contact Mr John Newell Tel: +44 (0)1256 312000 Fax: +44 (0)1256 312001 Email: sales@rfi-global.com	Testing: Telecommunications Smart Cards Support Functions: Financial Support	A
Address Unit 3 Horizon Kingsland Business Park Wade Road Basingstoke Hampshire RG24 8AH	Local contact Mr John Newell Tel: +44 (0)1256 312000 Fax: +44 (0)1256 312001 Email: sales@rfi-global.com	Testing: EMC Radio Bluetooth®	D
Address RFI Global Services Ltd No. 80, Bei Li Shi Road Xi Cheng District Beijing P. R. China Post code: 100037	Local contact Mr Jiachun Wu Tel: +86 10 6800 9173 Fax: +86 10 6800 9208 Email: sales@rfi-global.com	Testing: Telecommunications	E

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Site activities performed away from the locations listed above:

Location details	Activity	Location code
<p>Customers' sites or premises</p> <p>The customers' site or premises must be suitable for the nature of the particular testing undertaken and will be the subject of contract review arrangements between the laboratory and the customer.</p>	<p>Local contact Mr John Newell</p> <p>Tel: +44 (0)1256 312000 Fax: +44 (0)1256 312001 Email: sales@rfi-global.com</p> <p>Testing: EMC Radio Telecoms Testing</p>	<p>C</p>



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Continued from Page 3	1 EMC Testing (cont'd)		
Insulating Materials: Electrical	1.1 Conducted Emissions (cont'd)	Vol 47 (Telecomms) FCC Code of Federal Regulations: Part 18	D
IT Equipment		ANSI C63.4:2001	D, C
Lamps: Electrical	0 Hz to 100 MHz (cont'd)	ANSI C63.4:2003	D, C
Lawnmowers		ANSI C.63.4:2009	D, C
Lifting Gear		*includes signal lines where standard ISN's and CDN's can be used.	
Lifts: Electrical			
Luminaires			
Marine Equipment			
Measuring Equipment			
Medical/Dental Equipment			
Micro-Electronic Circuits and Components	1.2 Radiated Electric Field Emissions: 30 MHz to 110 GHz	AS/NZS 1044:1995	D
Mining Equipment Components		AS/NZS 2557:1992	D
Mining Plant and Equipment		AS/NZS 3548:1995	D
Missile Components		AS 3548:1988	D
Motor Vehicle Accessories and Components		CISPR 11:1990	D, C
Motor Vehicles		CISPR 11:1997 inc Amendment 1: 1999 and Amendment 2:2002	D
Motors: Electrical		CISPR 11:2003 inc Amendments A1:2004 and A2:2006	D
Office Equipment: Electrical		CISPR 22:1993 and 1997	C
Plugs and Sockets: Electrical		CISPR 22:1985, 1993 and 1997 Amendment 1:1995	D
Power Supplies: Electrical		Amendment 2:1996	
Printed Circuit Boards		CISPR 22:2005 including Amendment A1:2005	
Radar Equipment		CISPR 25:2002	D
Radio and TV Equipment		EN 55011:1991 and 1998	D, C
Radiocommunications Equipment		EN 55011:2007+ A2:2007	D
Rescue Appliances/ Equipment		EN 55011:1998+ A1:1999 + A2:2002	D
Safety Appliances/ Equipment		EN 55011:2009	D
Satellites and Subassemblies		EN 55016-2-3:2006	
Security Devices and Alarms		EN 55022:1987, 1994 and 1998 Amendment 1:1995	D, C
Security Equipment		Amendment 2:1997	
Smoke Detectors		EN 55022:2006 including Amendment 1:2007	
Smoke and Heat Control Equipment		95/54/EC, Annexes I, VII, VIII and IX	D
Sonar Equipment		97/24/EC, Annexes I, V and VI	D
Switchboards: Electrical		ECE Regulation 97:1996	D
Telecommunications Equipment		ECE Regulation 10.2:1997	D
		I-ETS 300 131:1994 (exc ae port measurements)	D



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Continued from Page 4 Transformers: Electrical Video Equipment Watt-hour Meters, integrating	1 EMC Testing (cont'd)		
	1.2 Radiated Electric Field Emissions: (cont'd) 30 MHz to 110 GHz (cont'd) Transient emissions Broadband emissions Narrowband emissions	VCCI V-3 / 2011.04 Vol 47 (Telecomms) FCC Code of Federal Regulations: Part 15 Vol 47 (Telecomms) FCC Code of Federal Regulations: Part 18 ANSI C63.4:2001 ANSI C63.4:2003 ANSI C.63.4 2009 ISO 7637 2004/104/EC Annex VII 2004/104/EC Annex VIII	D D D D, C D, C D, C D D D
	1.3 Radiated Magnetic Field Emissions: 20 Hz to 30 MHz	CISPR 11:1990 CISPR 11:1997 inc Amendment 1: 1999 and Amendment 2:2002 CISPR 11:2003 inc Amendments A1:2004 and A2:2006 EN 55011:1991 EN 55011:2007+ A2:2007 EN 55011:1998+ A1:1999 + A2:2002 EN 55011:2009 Vol 47 (Telecomms) FCC Code of Federal Regulations: Part 15 Vol 47 (Telecomms) FCC Code of Federal Regulations: Part 18 ANSI C63.4:2001 ANSI C 63.4:2003 ANSI C.63.4 2009	D, C D D D, C D D D D D D D



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	1.4 Power Absorbing Emissions Measurements (Power Clamp) 30 MHz to 1 GHz	AS/NZS 1044:1995 EN 55014-1:1997 EN 55014-1:2000 including Amendment A1:2001 and A2:2002 CISPR 14-1:2000 Amendment A1:2001 and A2:2002 EN 55014-1:2006 CISPR 14-1:2005 CISPR 14-1:2000 including Amendment A1:2001 & A2:2002 CISPR 14-1:2005	D D D, C D, C D, C D, C D, C D, C
	1.5 Discontinuous Emissions (Clicks): 10 kHz to 30 MHz	EN 55014-1:1997 EN 55014-1:2000 including Amendment A1:2001 and A2:2002 CISPR 14-1:2000 Amendment A1:2001 and A2:2002 EN 55014-1:2006 CISPR 14-1:2005	D D D D D
	1.6 Conducted Current Harmonics (Emissions): Measurements up to 40 th Harmonic Equipment Input Current ≤ 16A Per Phase	EN 61000-3-2:2000 IEC 61000-3-2:2000 EN 61000-3-2:2006 IEC 61000-3-2:2005 EN 61000-3-2:2006 Amendment 1:2008 and A 2:2009 IEC 61000-3-2:2005 Amendment 1:2008 and A 2:2009	D D D D D D
1.7 Conducted AC Mains Flicker (Emissions)	EN 61000-3-3:1995 including Amendment A1:2001 Amendment A2:2005 IEC 61000-3-3:1994 Amendment A1:2001 Amendment A2:2005 EN 61000-3-3:2008 IEC 61000-3-3:2008	D, C D, C C, D C, D	



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As listed on Pages 3, 4, and 5	1 EMC Testing (cont'd) 1.8 Electrostatic Discharge Immunity (ESD): Up to 27 kV Direct and Indirect Air and Contact Discharge Positive and Negative Polarity	EN 61000-4-2:1995 including Amd A1:1998 and Amd A2:2001 IEC 61000-4-2:1995 including Amd A1:1998 and Amd A2:2000 ISO 10605:2001 IEC 61000-4-2:2008 EN 61000-4-2:2009	C, D C, D D C, D C, D
	1.9 Radiated Electromagnetic Field Immunity: 10 kHz to 2.7 GHz Range of Measurements: up to 200 V/m Automated closed loop field monitoring or Precalibration method (uniform field) Stripline to design in IEC 801-3:1984 TEM cell to design in ISO 11452-3:1995 Triplate 10 kHz to 1000 MHz at 200 V/m	EN 61000-4-3:1996 including Amd 1:1998 IEC 61000-4-3:1995 including Amd A1:1998 including Amd A2:2000 EN 61000-4-3:2002 including Amd A1:2002 IEC 61000-4-3:2002 including Amd A1:2002 EN 61000-4-3:2006 including Amd A1:2008 IEC 61000-4-3:2006 including Amd A1:2007 95/54/EC, Annexes I, VII, VIII and IX 97/24/EC, Annexes I and VII ECE Regulation 97:1996 ECE Regulation 10.2:1997 ISO 11452-2:1995 ISO 11452-3:1995 2004/104/EC Annex IX ISO 11452-1:2005 ISO 11452-2:2004 IEEE C37.90.2:1995	D, C C, D D D D D D D D D D D D



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As listed on Pages 3, 4, and 5	<p>1 EMC Testing (cont'd)</p> <p>Note: The ability to conduct radiated immunity testing in site situations will be limited by the need to avoid contravening radio transmission regulations and/or the availability of a suitable screened enclosure.</p>		
	<p>1.10 Fast Transient Burst Immunity 0.25 kV to 4.0 kV Positive and Negative Polarity 5 ns rise time, 10 ns duration 15 ms burst duration</p>	<p>EN 61000-4-4:1995 EN 61000-4-4:2004 IEC 61000-4-4:2004 EN 61000-4-4: 2004 with Amendment 1:2010</p>	<p>D D D D</p>
	<p>1.11 Conducted Radio Frequency Immunity: 10 kHz to 1 GHz RF voltage up to 15 V rms Injection via coupling networks, direct current injection or bulk current injection</p>	<p>EN 61000-4-6:1996 including Amendment A1:2001 IEC 61000-4-6:1996 including Amendment A1:2000 EN 61000-4-6:2007 IEC 61000-4-6:2007 ISO 11452-4:2001 95/54/EC, Annexes I, VII, VIII and IX ECE Regulation 97:1996 2004/104/EC Annex IX 11452-4:2005 ECE Regulation 10.2:1997 EN 61000-4-6:2009 IEC 61000-4-6:2008</p>	<p>D D D D D D D D D D</p>



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	1.12 Surge Immunity Waveforms: 10/700 μ s 100/700 μ s 0.5/700 μ s 0.2 kV to 6 kV 1.2/50 (8/20) μ s Common mode Differential mode	EN 61000-4-5:1995 including Amendments A1 and A 2 2001 EN 61000-4-5:2006 IEC 61000-4-5:1995 including Amendment A1 2000 IEC 61000-4-5:2005	D D D
	1.13 Voltage Variations and Deviations: DC Power Ports	EN 61000-4-11:1994 Including Amendment A1:2001 IEC 61000-4-11:1994 Including Amendment A1:2000 IEC 61000-4-11:2001 EN 61000-4-11:2004 IEC 61000-4-11:2004	D, C D, C D, C D, C D, C
	1.14 AC Power Ports Voltage Dips, Interruptions and Fluctuations (Immunity): Voltage Dips: up to 100% Voltage Reductions: up to 100% Voltage Fluctuations: up to 100%	EN 61000-4-11:1994 Including Amendment A1:2001 IEC 61000-4-11:1994 Including Amendment A1:2000 IEC 61000-4-11:2001 EN 61000-4-11:2004 IEC 61000-4-11:2004	D, C D, C D, C D, C D, C
	1.15 Power-Frequency Magnetic Fields (Immunity) Frequency: 15 Hz to 1.5 kHz Field strength: up to 300 A/m	EN 61000-4-8:1994 Incorporating Amdt A1:2001 IEC 61000-4-8:1993 Incorporating Amdt A1:2000 IEC 61000-4-8:2009 * - using the Helmholtz Coil A095	D D D



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As listed on Pages 3, 4, and 5	1 EMC Testing (cont'd)		
	1.16 Power-Frequency Magnetic Fields (Immunity) (Pulsed) Field strength: up to 300 A/m	EN 61000-4-9:1994 including Amendment A1:2001* IEC 61000-4-9:1993 including Amendment A1:2000* * - using the current loop A1977	D D
Motor Vehicle Accessories and Components	1.17 Electrical Transients in Motor Vehicles: 12 V vehicle systems	ISO 7637-1:1990 and 2002 ISO 7637-2:1990 and 2004 Pulses 1a, 1b (Max test voltage - 600V) Pulse 2 (RI limited to 10 Ω or 50 Ω) Pulses 3a, 3b, 4, 5 ISO 7637-3:1995 Pulse types 1, 2, 3a, 3b, 4, 5, 6 & 7 2004/104/EC Annex X	D
	1.18 EMC Tests This section includes generic and product family standards that refer to basic standards included in Sections 1.1 to 1.18 of this Schedule.	EN 50130-4:1995 including Amendments A1:1998 and A2:2003 EN 50270:1999 EN 55014-2:1997 including Amendment A1:2001 EN 55024:1998 including Amendment A1:2001 & A2:2003 EN 55103-1:1996 EN 55103-2:1996 EN 60601-1-2:2001 EN 60601-1-2:2007 EN 61000-6-1:2001 EN 61000-6-1:2007 EN 61000-6-2:1999 EN 61000-6-2:2001 EN 61000-6-2:2005 EN 61000-6-3:2001 EN 61000-6-3:2007 EN 61000-6-4:2001 EN 61000-6-4:2007 EN 61326:1997 including Amendment A1:1998 and A2:2001	D D, C D, C D, C D, C D, C D D D, C D, C D, C D, C D, C D, C D, C D



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Motor Vehicle Accessories and Components (cont'd)	1 EMC Testing (cont'd) 1.18 EMC Tests (cont'd)	EN 61326-1:2006	D
		EN 61326-2-1:2006	D
		EN 61326-2-2:2006	D
		EN 61326-2-3:2006	D
		EN 61326-2-4:2006	D
		EN 61326-2-5:2006	D
		EN 12015:pr 1995	D
		EN 12016:pr 1995	D
		EN 12016:2004	D
		ETS 300 386-1:1994	D, C
		ETS 300 386-2:1997	D, C
		EN 300 386 V1.3.3:2005	D, C
		EN 300 386 V1.4.1:2008	D, C
		EN 300 386 V1.5.1:2010	D, C
		95/56/EC Annex VI paragraphs 3.2, 5.2 and 8.2	D
		VCCI No 26:92.10	D
		TS 134 124:V4.0.0:2001	D
		3GPP TS 34 124:V4.0.0:2001	D, C
		EN 301 489-1:V1.4.1:2002	D
		EN 301 489-1:V1.6.1:2005	D
		EN 301 489-1:V1.8.1:2008	D
		EN 301 489-2:V1.3.1:2002	D
		EN 301 489-3:V1.4.1:2002	D
		EN 301 489-4:V1.3.1:2002	D
		EN 301 489-4:V1.4.1	D
		EN 301 489-5:V1.3.1:2002	D
		EN 301 489-6:V1.2.1:2002	D
		EN 301 489-6:V1.3.1:2008	D
		EN 301 489-7:V 1.3.1:2005	D
		EN 301 489-8:V1.2.1:2002	D
		EN 301 489-9:V1.3.1:2002	D
		EN 301 489-9:V1.4.1:2007	D
		EN 301 489-10:V1.3.1:2002	D
		EN 301 489-13:V1.2.1:2002	D
		EN 301 489-15:V1.2.1:2002	D
		EN 301 489-16:V1.1.1:2002	D
		EN 301 489-16:V1.2.1:2002	D
		EN 301 489-17:V1.2.1:2002	D
		EN 301 489-17:V1.3.2:2008	D
		EN 301 489-17 V2.1.1	D
EN 301 489-18:V1.3.1:2002	D		
EN 301 489-22:V1.2.1:2002	D		
EN 301 489-22:V1.3.1:2003	D		
EN 301 489-23:V1.2.1:2002	D		



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Marine Radio Equipment Land Mobile Radio Equipment Fixed Link Radio Equipment (cont'd)	2 Radio Transmitter and Receiver Testing (cont'd)	EN 301 087:V7.2.1:2000	D
		EN 301 087:V8.2.1:2000	C
		EN 301 087:V8.2.0:2000	D
	2.10 Effective Receiver Sensitivity 100 kHz to 75 GHz	EN 301 126-1 V1.1.2 (1999-09)	D, C
		EN 301 357-1:V1.4.1:2008	D, C
		EN 301 357-2:V1.4.1:2008	D, C
		EN 301 502:V8.1.2:2001	D, C
	2.11 Emissions - Conducted 100 Hz to 110 GHz	EN 301 893:V1.5.1:2008	D
		EN 301 908-1 V2.2.1(2003-10)	D
		EN 301 908-1 V3.2.1 (2007-05)	D
	2.12 Emissions - Effective Radiated Power 9 kHz to 110 GHz	EN 301 908-1 V4.2.1 (2010-03)	D
		3GPP TS 51.010-1 (12.2.x)	D
		EN 301 511 V9.0.2 (2003-03)	D
		EN 302 208-1 V1.1.1 (2004-09)	D
	2.13 Frequency Error 9 kHz to 110 GHz	EN 302 208-2 V1.1.1 (2004-09)	D
		EN 302 217-2-2:V1.2.3:(2007-09)	D, C
		EN 302 217-2-2:V1.3.1:(2009-04)	D, C
	2.14 Frequency Range 9 kHz to 170 GHz	EN 302 217-2-2:V1.4.1:(2010-07)	D, C
		EN 302 217-3:V1.2.1:(2008-02)	D, C
		EN 302 217-3:V1.3.1:(2009-07)	D, C
2.15 Frequency Stability 9 kHz to 110 GHz	Draft EN 302 217-3:V1.1.1:2003	D, C	
	GSM 11.21:1995	D	
	AS/NZS 4268:2003	D, C	
2.16 Intermodulation Attenuation 100 kHz to 110 GHz	AS/NZS 4281:1995	D	
	AS 4295:1995	D	
	TB 94-046:1994	D	
	EN 302 291-1 V1.1.1 (2005-07)	D	
2.17 Intermodulation Response (2 and 3 Generator Method) 9 kHz to 26.5 GHz	EN 302 291-2 V1.1.1 (2005-07)	D	
	EN 302 326-1:V1.2.2:2007	D, C	
	EN 302 326-2:V1.2.2:2007	D, C	
	Annex 11 to the Ministerial Decree of 19 th October 1979 relating to private radio-communications: Dec 1990		
2.18 Maximum Frequency Deviation 9 kHz to 100 kHz	TS 101 087:V8.9.0:2003	D, C	
	TS 151 021:V5.3.0:2003	D, C	
	FCC 47CFR2	D	
2.19 Maximum Useable Sensitivity 9 kHz to 40 GHz	FCC 47CFR15	D	
	FCC 47CFR18	D	
	FCC 47CFR22	D	
	FCC 47CFR24	D	
2.20 Modulation Distortion (SINAD) 30 MHz to 1 GHz	FCC 47CFR25	D	
	FCC 47CFR27	D	
	FCC 47CFR90	D	
	FCC 47CFR101	D	
	RSS-Gen Issue 3, Dec. 2010	D	
	RSS-111 Issue 3, June 2009	D	



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Marine Radio Equipment Land Mobile Radio Equipment Fixed Link Radio Equipment (cont'd)	2 Radio Transmitter and Receiver Testing (cont'd)	RSS-118 Issue 2, August 1990	D
		RSS-119 Issue 9, June 2007	D
		RSS-119 Issue 10, April 2010	D
	2.21 Modulation Frequency Characteristics 50 Hz to 20 kHz	RSS-125 Issue 2, Rev 1, March 2000	D
		RSS-132 Issue 2, September 2005	D
	2.22 Out of Band Power 9 Hz to 110 GHz	RSS-133 Issue 5, February 2009	D
		RSS-137 Issue 2, February 2009	D
		RSS-142 Issue 4, July 2010	D
		RSS-170 Issue 2, March 2011	D
	2.23 Permitted Range of Operation Frequencies 9 Hz to 110 GHz	RSS-191 Issue 3, April 2008	D
		RSS-195 Issue 1, January 1, 2004	D
		RSS-210 Issue 8, December 2010	D
	2.24 Power Rise and/or Fall Time (transients) 30 MHz to 1 GHz	ANSI C63.4:2003 ANSI C63.4:2009 ANSI C63.10:2009 ANSI/TIA-603-C:2004 excluding	
	2.25 Receiver Desensitisation 100 kHz to 110 GHz	Clause 2.1.20, 2.2.10, 2.2.18, 2.3 & 2.4	
2.26 Reference (Receiver) Sensitivity 9 kHz to 40 GHz			
2.27 Relative Humidity 20% to 75%			
2.28 Selectivity 90 dB			
2.29 Spurious Emissions 20 Hz to 170 GHz			
2.30 Spurious Response Rejection 9 kHz to 110 GHz			
2.31 Temperature - 45 °C to 75 °C			
2.32 Transient Frequency Behaviour 30 MHz to 1 GHz			



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Marine Radio Equipment Land Mobile Radio Equipment Fixed Link Radio Equipment (cont'd)	<p>2 Radio Transmitter and Receiver Testing (cont'd)</p> <p>2.33 Transmitter Carrier Power 10 µW to 2 kW</p> <p>2.34 Transmitter Transients 30 MHz to 40 GHz</p> <p>2.35 Control & Monitoring Functions</p>		
	Note: Microwave antenna performance measurements and Analogue link equipment performance measurements are excluded from the scope of this Schedule.		
GSM 850 Mobile Stations GSM 900 Mobile Stations GSM 1800 Mobile Stations GSM 1900 Mobile Stations UMTS User Equipment	<p>3 Telecommunications Testing</p> <p>Summary of Standards: 3GPP TS51.010-1 3GPP TS51.010-4 (GSM11.10-4) BABT/SITS/92/50 ETS 300 607-1 ETS 300 607-3 ETSI 102-230 3GPP TS31.121 3GPP TS34.121-1 3GPP TS34.123-1 ETSI 301-908-2 OMA IOP-ETS-MMS TS26.132 TS31.124 3GPP TS 36.521-1 3GPP TS 36.521-3 3GPP TS 36.523-1</p>		<p>A, C, E A, C, E</p> <p>A A, C A, C A, C, E A, C, E C, E C, E C C A, C A, C A A A</p>



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GSM 850 Mobile Stations GSM 900 Mobile Stations GSM 1800 Mobile Stations GSM 1900 Mobile Stations UMTS User Equipment (cont'd)	3 Telecommunications Testing (cont'd) RF and Signalling Parameters 3.1 Rohde & Schwarz TS8950G Supported Options: <i>All RF, GSM 850, GSM 900, GSM 1800, GSM 1900, EDGE, AMR RF, GPRS, GSM, Section 21.x</i>	ETSI 300 607-1 BAPT/SITS/92/50 3GPP TS 51.010-1	E
	3.2 Anite SAT(A) Supported Options: <i>GSM 850, GSM 900, GSM 1800, GSM 1900, Layer 2, Layer 3, SIM, GPRS</i>	ETSI 300 607-1 ETSI 300 607-3 BAPT/SITS/92/50 3GPP TS 51.010-1	
	3.3 ORGA IT3 Supported Options: <i>SIM, SIM Application Toolkit, USIM, USIM Application Toolkit</i>	ETSI 300 607-1 BAPT/SITS/92/50 3GPP TS 51.010 -1 ETSI 102-230 3GPP TS31.121 3GPP TS51.010-4 (GSM11.10-4) TS31.124	A A A, E A, E A, E A
	3.4 Rohde and Schwarz CRTUG Supported Options: <i>GPRS, EGPRS, Circuit Switch Test Cases, SIM Toolkit</i>	ETSI 300 607-1 BAPT/SITS/92/50 3GPP TS51.010-1 3GPP TS51.010-4 (GSM11.10-4)	E E



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GSM 850 Mobile Stations GSM 900 Mobile Stations GSM 1800 Mobile Stations GSM 1900 Mobile Stations UMTS User Equipment (cont'd)	3 Telecommunications Testing (cont'd) RF and Signalling Parameters (cont'd) 3.5 Rohde and Schwarz CRTUW Supported Options: <i>Protocol Conformance Test Cases</i>	3GPP TS34.123-1 3GPP TS51.010-1 3GPP TS31.121	E E E
	3.6 Audio Testing Digital Audio Interface, and Over the Air Audio Testing UPL16 + CMU200	ETSI 300 607-1 BABT/SITS/92/50 3GPP TS 51.010-1 3GPP TS 26.132	A A A A
	3.7 Rohde and Schwarz TS8950W <i>Tx, Rx, Performance</i>	3GPP TS34.121-1 ETSI 301-908-2 TS134.121-1	E
	3.8 Rohde and Schwarz CRTU-RRM <i>RRM Tests</i>	3GPP TS34.121-1 ETSI 301-908-2 TS134.121-1	E
	3.9 Support Equipment Vibration Platform, Environmental Chambers		A, E A, E



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GSM 850 Mobile Stations GSM 900 Mobile Stations GSM 1800 Mobile Stations GSM 1900 Mobile Stations UMTS User Equipment (cont'd)	3 Telecommunications Testing (cont'd) RF and Signalling Parameters (cont'd) 3.10 Anritsu ME7873L LTE RF and RRM Conformance Test System 1, 2, 3, 4, 5, 7, 11, 12, 13, 14, 17, 20, 38, 40	3GPP TS 36.521-1 3GPP TS 36.521-3	A A
	3.11 Anritsu ME7834L Protocol Test System		
	4 SAR Tests 4.1 Specific Absorption Rate 450 MHz (Tetra), 900 MHz 1800 MHz and 1900 MHz including the use of the DASY4 system	IEEE C95.3:1997 AS/NZS 2772.2:1998 Radio communications (Electromagnetic Radiation - Human Exposure) Standard 1999 including Amendment 1:2000 AS 2003 Radio communications (Electromagnetic Radiation - Human Exposure) Standard 2003 Australian Communications And Media Authority Radiocommunications (Electromagnetic Radiation - Human Exposure) Amendment Standard 2007 (No. 1) EN 50360:2001 EN 50361:2001 IEC / EN 62209-1:2005 IEC / EN 62209-2: 2010 IEEE 1528 2003 EN 62311:2008 RSS 102 Issue 4 March 2010 OET Bulletin 65 Supplement C Edition 01-01 (June 2001)	A



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<i>Bluetooth Devices</i>	<p>5 Bluetooth Tests</p> <p>5.1 RF Transmitter, Transceiver and Receiver Tests</p>	<p><i>BLUETOOTH CORE SPECIFICATION Version 1.2 Volume 2 Part A Radio Specification</i></p> <p><i>BLUETOOTH CORE SPECIFICATION Version 2.0+EDR Volume 2 Part A Radio Specification</i></p> <p><i>BLUETOOTH CORE SPECIFICATION Version 2.1+ EDR Volume 2 Part A Radio Specification</i></p> <p><i>BLUETOOTH CORE SPECIFICATION Version 3.0 + HS Volume 2 Part A Radio Specification</i></p> <p>Radio Frequency Test Suite Structure (TSS) and Test Purposes (TP) System Specification 1.2/2.0/2.0 + EDR/2.1/2.1 + EDR/ 3.0/ 3.0+HS</p>	D
Terminals: Level 2	<p>6 Smart Card Testing</p> <p>Static Kernel</p> <p>Multi Configurable Kernel</p> <p>Kernel With Multiple Pin Pad</p> <p>Tools: ICCSimTT software and test cards Kasys Kanest ICC software and Probe hardware EVAL software and Probe hardware</p>	EMVCo Type Approval Level 2 Test Cases, Version 4.x	A



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Terminals: Contactless	6 Smart Card Testing (cont'd)		
	Pre-validation Test	EMVCo Type Approval Contactless Terminal Level 1 Pre-Validation Test version 1.x	A
	Tools RFI Analogue Test Bench		
	Level 1 Analogue Test	EMVCo Contactless Type Approval: PCD Analogue Test Bench and Test Case Requirements Version 2.x	A
	Tools RFI Analogue Test Bench		
	Level 1 Digital Test	EMV Contactless Terminal Type Approval Level 1 Test Bench Description Executable tests TPP/EXE - Version 2.x	A
	Tools Integri INQ Platform with Micropross MP300SCL1 Reader		
Cards: Contact	Level 1 - Electrical and Protocol	Visa Card EMV Level 1 Test Plan	A
	Tools Micropross Must software and MP300 reader		
	Level 2 - Application and Platform	Test Plan for Visa Global Platform 2.0.1' Card Implementation Requirements 2.0, Books 1-5	A
		Test Plan for Visa Global Platform 2.1.1 Card Implementation Requirements 1.0, Errata 2.1.1 Test plan 2.1.1a Books 1-4	A
		Test Plan for Visa Global Platform - S V1.0	A



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Cards: Contact (cont'd)	<p>6 Smart Card Testing (cont'd)</p> <p>Level 2 - Application and Platform (cont'd)</p> <p>Tools ICCSimCT software and Contact Smart Card reader</p>	<p>Test Plan for Visa ICC Specification (VIS) 1.4.0, Visa Smart Debit\Credit, Books 1 to 4</p>	
Cards: Contactless	<p>Contactless Payment Application Testing</p> <p>Contactless Digital Type A and Type B Interface Testing</p> <p>Tools: ICCSimCT and ICCSimCTC software and Contactless Smart Card reader</p> <p>INTEGRI INQ Test tool software and Micropross MP300 TCL1 hardware</p>	<p>VCPS 2.0.2 Card Test Plan, Books 1-5</p> <p>- PayPass Card Type Approval: Test Bench Description Executable Tests Modified Version to Test Contactless Card with Visa Applications</p>	<p>A</p> <p>A</p>



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Mobile stations, Short Range Devices Low Power Devices	7 OTA Testing 7.1 OTA TRP and TIS Testing Frequency range 800 MHz to 2500 MHz 850, 900, 1800 and 1900 Bands, FDD I, II, IV, V, VIII GSM/GPRS, WCDMA, CDMA	CTIA Test Plan for Mobile Station Over The Air Performance V2.2.2 3GPP TS 34.114 CTIA Test Plan for Mobile Station Over The Air Performance V3.1	D
END			