

Test Report

Report No EHU620-	Report No	EH0620-
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Client Beltronics USA Inc.

5442 West Chester Road

West Chester, OH 45069

Phone (513)-870-8542 Fax (513)-870-8523

FRN 0007600588

Model STi-R (Model: 162SR7X-0)

FCC ID QL4G8M3R

Equipment Type Radar Detector

Equipment Code CRD

Results As detailed within this report

Prepared by

Evan Gould – Test Engineer

Authorized by

Michael Buchholz – EMC Manager

Issue Date

6/6/07

Conditions of issue

This Test Report is issued subject to the conditions stated in 'terms and conditions' section of this report.

Curtis-Straus LLC is accredited by the American Association for Laboratory Accreditation for the specific scope of accreditation under Certificate Number 1627-01. This report may contain data which is not covered by the A2LA accreditation.



Table Of Contents

Summary	
EUT Configuration	
Statement of Conformity	
Test Methodology	
Radiated Emissions Measurements	
Test Equipment Used	
Conditions Of Testing	
A2LA Accreditation	

Summary

This report is an application for Certification of a radar detector operating pursuant to 47 CFR 15.109(h). This report is designed to demonstrate the compliance of the STi-R with the requirements outlined in Part 15 (using the methods outlined in Part 2) of 47 CFR.

EUT Configuration

EUT Configuration

Work Order: H0620 Company: Escort

Company Address: 5440 west Chester Road

West Chester, OH 45069

	MN		SN		FCC ID
	T: 162SR7X-0)	99750001		QL4G8M3R
EUT Description	n: STi-R				
Support Equipment:	MN		SN		
HP DC Supply	6274B		-		
EUT Cables:	Qty	Shielded?	Length	Ferrites	
Front Reciever (EUT)	1	No	6ft	None	
LED	1	No	4ft	None	
Display	1	No	4ft	None	
Controller	1	No	4ft	None	
Speaker	1	No	6ft	None	
DC	1	No	4ft	None	
Unpopulated EUT Ports:	Qty	Reason			
None					

EUT was scanning for radar signal.



Statement of Conformity

47 CFR 15.109(h) states that "Radar detectors shall comply with the emissions limits...of [section 15.109(a)] over the frequency range of 11.7 – 12.2GHz." The applicable limit being 500μV/m measured at a distance of 3m. The STi-R has been tested and found to comply with this requirement.

Test Methodology

Radiated emission testing was performed according to the procedures in ANSI C63.4 (2003). The testing was performed at a distance of 1 meter. The device's performance was investigated in the range 11.7-12.2GHz. The STi-R was powered by an HP 3612A variable power supply. Emissions were maximized around three orthogonal axes and the maximum reading was recorded. The integrated antenna cannot be maximized separately.



Radiated Emissions Measurements

LIMIT

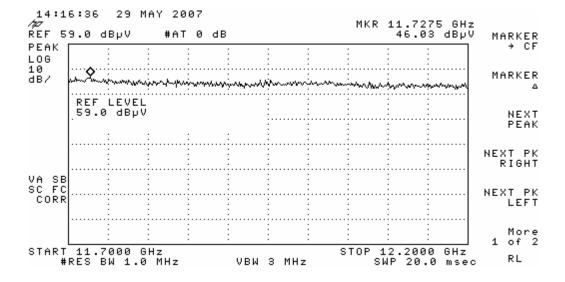
Average: $500\mu V/m = 54dB\mu V/m @ 3m [15.109(h)]$

Note: If peak measurements meet the Average limit, then Average measurements are not required.

MEASUREMENTS

Radiated	l Emissi	ons Tab	le				Curtis	Straus LLC	
Date:	Date: 29-May-07				Escort		V	Vork Order:	H0620
Engineer:	Evan Gould			EUT Desc:	162SR7X-0				
	Frequency Range: 11.7-12.2GHz Measurement Distance: 3 m								
Notes:			EUT Max Freq:						
Antenna			Preamp	Antenna	Cable	Adjusted	4	7 CFR 15.10	9(h)
Polarization	Frequency	Reading	Factor	Factor	Factor	Reading	Limit	Margin	Result
(H / V)	(MHz)	(dBµV)	(dB)	(dB/m)	(dB)	(dBµV/m)	(dBµV/m)	(dB)	(Pass/Fail)
noise floor	11727.5	46.0	39.1	40.6	3.0	50.5	54.0	-3.5	Pass
Table	e Result:	Pass	by	-3.5 dB Worst Freq: 11727.5 MHz				MHz	
Test Site:	"A"	Pre-Amp:	Brown	Cable:	EMIR-HIGH-20	Analyzer	: White	Antenna:	Orange Horn

PLOT



Test Equipment Used

DIPLEXER

40-220 GHz

SPECTRUM ANA	I YZERS /	_						EV. 21-MA\		_
RECEIVER		Range	MN	MFF		SN	ASSET	Ca ⁻	Γ	CALIBRATION DUE
RED		9kHz-1.8GHz	8591	E Agile	nt 3441.	A03559	00024	I		08-JAN-2008
WHITE		9kHz-22GHz	8593	E Agile	nt 3547	U01252	00022	1		06-OCT-2007
BLUE		9kHz-1.8GHz	8591	E Agile	nt 3223	A00227	00070	- 1		18-DEC-2007
YELLOW	1	9kHz-2.9GHz	8594			A01958	00100	- 1		05-JUN-2007
GREEN		9kHz-26.5GHz	8593			A03618	00143	- 1		05-SEP-2007
BLACK		9kHz-12.8GHz	8596			A00944	00337	- 1		08-DEC-2007
TELECOM 35	585A	20Hz-40.0MHz				A05219	00030	I		15-FEB-2008
TELECOM 35	585A	20Hz-40.0MHz				A03418	00558	- 1		Out of Service
TELECOM 35	585A	20Hz-40.0MHz			nt 1750	A02762	01067	- 1		Out of Service
Orange		9kHz-26.5GHz	E4407		nt US39	440975	00394	I		Out of Service
Brown (Ren	,	9kHz-26.5GHz	E4407			210511	Rental	ı		01-FEB-2008
EMI TEST REC		20-1000MHz	ESVS			57/001	01098	- 1		27-OCT-2008
RENTAL 740	05A	100Hz-26.5 GHz	E7405	5A Agile	nt MY44	212795	Rental			28-DEC-2007
LISNs/MEASURE	*****									
PROBES	MENI	RANGE	N	ΛN	MFR	SI	1	ASSET	CA	T CALIBRATION DUE
RED		10ĸHz-30MHz	8012-50-	R-24-BNC	SOLAR	9563	348	00753	II	05-JUN-2007
BLUE (DC)		10kHz-30MHz	8012-50-	R-24-BNC	SOLAR	9563	349	00752	II	05-JUN-2007
YELLOW-BLAC	CK	10kHz-30MHz	8012-50-	R-24-BNC	SOLAR	9847	'35	00248	II	05-JUN-2007
ORANGE		10kHz-30MHz	8012-50-	R-24-BNC	SOLAR	9037	707	00754	- 1	07-MAY-2008
GOLD (DC)		10kHz-30MHz		R-24-BNC	SOLAR	9847	' 34	00247	II	05-JUN-2007
Brown		10kHz-30MHz	8012-50-	R-24-BNC	SOLAR	0411	656	00986	II	05-JUN-2007
GREEN		10kHz-30MHz	8012-50-	R-24-BNC	SOLAR	0411		00987	II	08-JUN-2007
YELLOW		10kHz-30MHz	8012-50-	R-24-BNC	SOLAR	0411	658	1080	II	05-JUN-2007
WHITE-BLACI	K	10kHz-30MHz	8610-50-	TS-100-N	SOLAR	9720)19	00678	- 1	17-MAY-2008
BLACK		10kHz-30MHz	8610-50-	TS-100-N	SOLAR	9720		00675	- 1	18-MAY-2008
RED-BLACK		10kHz-30MHz	8610-50-	TS-100-N	SOLAR	9720		00677	- 1	18-MAY-2008
BLUE-BLACK	(10kHz-30MHz	8610-50-	TS-100-N	SOLAR	9720		00676	I	17-MAY-2008
BLUE MONITORING	PROBE	0.01-150MHz		50-2	TEGAM	123		00807	I	26-MAY-2007
YELLOW MONITORING	g Probe	0.01-150MHz		50-2	ETS	509		00493	I	23-JAN-2008
GREEN CURRENT TRAN	SFORMER	40Hz-20MHz	1	50	PEARSON	102		00793	I	19-APR-2009
BLUE CISPR LINE F	PROBE	150kHz-30MHz	N	I/A	C-S	N/A		00805	II	08-JUN-2007
BLACK CISPR LINE	PROBE	150kHz-30MHz		I/A	C-S	N/A		1254	II	08-JUN-2007
CISPR TELCO VOLTAG		10kHz-30MHz		√C-10	C-S	CS		00296	II	17-NOV-2007
CISPR 22 TELCO	ISN	9кHz-30MHz	FCC-T	LISN-T4	FISCHER	201	15	00746		15-NOV-2007
Ones: 4 ne s Te		ATC)	F00.0a		10.0005	\/0	01.0005	C+-		CALIDDATION DUE
OPEN AREA TE	ITE F	473)	FCC Cc 93448		IC CODE IC 2762A-1		CI CODE 1-1688	CAT II		CALIBRATION DUE 23-JUN-2008
	ITE T		93448		IC 2762A-2		R-905	ii		23-JUN-2008
	ITE A		93448		IC 2762-A		R-903	ii		20-JUN-2008
	TE M		93448		IC 2762-M		R-904	ii		19-JUN-2008
	ITE J		93448		IC 2762A-3		-2377	II		12-APR-2008
CONDUCTED TEST S		/TELCO)	FCC Cc		IC CODE		CCI COD		Сат	CALIBRATION DUE
	MI 1		93448		N/A		801, T-2		III	NA
	MI 2		93448		N/A		802, T-2		III	NA
E	MI 3		93448	3	N/A	C-1	803, T-2	70	III	NA NA
MIXERS/DIPLEXERS	RANGE	MN		MFR		SN		ASSET	Сат	CALIBRATION DUE
MIXER / HORN	26.5-40 GHz		-442-6	HP/ATM	2332A016	95/A046903		1087	I	23-AUG-2007
MIXER / HORN	26.5-40 GHz			HP/ATM		325/A04690		1086	i	19-SEP-2007
MIXER / HORN	40-60 GHz			OML		30110-1		0821	i	26-MAR-2009
MIXER	33-50 GHz			HP		3A03155		00104	i	08-NOV-2007
MIXER / HORN	50-75 GHz			HP/QUINSTAR		1197/87940		1179	i	15-NOV-2007
MIXER	75-110 GHz			HP		11A01334		0105	i	22-NOV-2007
MIXER / HORN	60-90 GHz			OML		30110-1		0822	i	26-MAR-2009
MIXER / HORN	90-140 GHz			OML		21206-1		00811	i	26-MAR-2009
MIXER / HORN	140-220 GH			OML		21206-1		00812	i	26-MAR-2009
					0.		•			



26-MAR-2009

00813

OML

N/A

DPL.26

Absorbing Clamps	RANGE	MN		MFR	SN	ASSE	т С	CAT	CALIBRATION DUE
FISCHER CLAMP	30-1000MHz	F-201-23N	им Е	ISCHER	10	0008	1	I	20-JAN-2008
HARMONIC & FLICKER AI		IN	MFR		SN			Сат	CALIBRATION DUE
HFTS		842A	HP		-00169		738	II	30-DEC-2007
10001I/2 AC POWER SY	STEM (2)	500I CALIFO	RNIA INSTRUMENT	s HK53687	/HK53688	8 00	376	<u>II</u>	09-JAN-2008
PREAMPS / ATTENUATORS / FILTERS	Range		MN	MFR	5	SN	ASSET	Сат	CALIBRATION DUE
RED	0.009-2000MHz	7FI -	1000-LN	C-S	N	I/A	00798	II	20-APR-2008
BLUE	0.009-2000MHz		1000-LN	C-S		I/A	00759	ii	17-APR-2008
BLUE-BLACK	0.009-2000MHz		1000-LN	C-S		I/A	00800	ii	18-JAN-2008
GREEN	0.009-2000MHz		1000-LN	C-S		I/A	00802	ii	02-MAY-2008
BLACK	0.009-2000MHz		1000-LN	C-S		I/A	00799	ii	20-JUL-2007
ORANGE	0.009-2000MHz		1000-LN	C-S		I/A	00765	ii.	02-MAY-2008
RED-WHITE	0.009-2000MHz		1000-LN	C-S		I/A	1258	ii	08-MAY-2008
WHITE	1-20GHz		C-12A	C-S		6643	00760	ii	22-JUL-2007
Brown	1-20GHz	_	4R5-17-15-SFF	C-S		1655	1132	ii	02-APR-2008
YELLOW-BLACK	1-20GHz		C-12A	C-S		5055	00801	ii	OUT OF SERVICE
RED-GREEN	1-20GHz		4R5-17-15-SFF	C-S		I/A	1256	ii	14-AUG-2007
RED-BLUE	1-20GHz		4R5-17-15-SFF	C-S		3177	1257	ii	19-APR-2008
HF (YELLOW)	18-26.5GHz		2650-60-8P-4	C-S		7559	00758	ii	23-AUG-2007
HIGH PASS FILTER	1-18 GHz		F-55204	K&L		36	00700	ii	05-JAN-2008
Low Pass Filter	1-9 GHz		00/X4400-O/O	K&L		4	00816	ii	05-JAN-2008
HF 20dB 50W ATTENUATOR	0.03-20 GHz		019-20	PASTERNACK		л 01	00791	ii	08-MAY-2009
HF 30DB 50W ATTENUATOR	0.03-20 GHz		019-30	PASTERNACK		02	1168	ii	08-MAY-2009
40DB 100W ATTENUATOR	0.09-4000MHz		N100W+	MINI-CIRCUITS		4900638	1231	ii	08-NOV-2007
Low Freq LPF	10-100kHz		0K1G1	MICROWAVE		1 DC0432	1019	 II	OUT OF SERVICE
				CIRCUITS MICROWAVE					
Low Freq LPF	10-100ĸHz	L20	0K1G1	CIRCUITS	4777-01	1 DC0434	1088	II	OUT OF SERVICE
ANTENNAS	RANGE	MN	MFR	SN	ASSET	Сат		CALIBR	ATION DUE
GREEN BILOG	30-2000MHz	CBL6112B	CHASE	2742	00620	ll l		13-J/	N-2008
GREEN-BLACK BILOG	30-2000MHz	CBL6112B	CHASE	2412	00127	II		13-J/	N-2008
GREEN-RED BILOG	30-2000MHz	CBL6112B	CHASE	2435	00990	- 1		12-AI	PR-2008
BLUE BILOG	30-1000MHz	3143	EMCO	1271	00803	II		06-Jl	JN-2007
GRAY BILOG	20-2000MHz	3141	EMCO	9703-1038	00066	II	06-JUN-2	2007(EMI)	/ 04-FEB-2008(RFI2)
YELLOW-BLACK BILOG	20-2000MHz	CBL6140A	CHASE	1112	00126	II	06-JUN-	2007(EM	I)/20-APR-2008(RFI)
RED-WHITE BILOG	30-2000MHz	JB1	SUNOL	A091604-1	01105	1		07-N	OV-2008
RED-BLACK BILOG	30-2000MHz	JB1	SUNOL	A091604-2	01106	1		20-0	CT-2008
RED-BROWN BILOG	30-2000MHz	JB1	SUNOL	A0032406	1218	1		04-Al	JG-2008
YELLOW HORN	1-18GHz	3115	EMCO	9608-4898	00037	- 1		27-MAY	-2007(EMI)
BLACK HORN	1-18GHz	3115	EMCO	9703-5148	00056	- 1	17-JUN-2	2007(EMI)	/ 17-MAY-2008 (RFI)
ORANGE HORN	1-18GHz	3115	EMCO	0004-6123	00390	- 1	09-JUN-2	2007(EMI)	/ 17-MAY-2008 (RFI)
HF (WHITE) HORN	18-26.5GHz	801-WLM	WAVELINE	00758	00758	- 1		26-Al	JG-2007
SMALL LOOP	10kHz-30MHz	PLA-130/A	ARA	1024	00755	- 1		22-F	EB-2008
LARGE LOOP	20Hz-5MHz	6511		9704-1154	00067	1		23-J/	N-2008
ACTIVE MONOPOLE	30Hz-30MHz	3301B	EMCO	3824	00068	Ш			EC-2007
INDUCTION COIL	50-60Hz	1000-4-8	C-S	N/A	00778	II			EP-2007
ADJUSTABLE DIPOLE	30-1000MHz	3121C	EMCO	1370	00757	ĺ			CT-2008
ADJUSTABLE DIPOLE	30-1000MHz	3121C	EMCO	1371	00756	ı			OV-2008
RE101 LOOP SENSOR		RE101-13.3cm	C-S	N/A	00818	ii			AR-2009
RS101 RADIATING LOOP		RS101-12cm	C-S	N/A	00819	ii			AR-2009
RS101 LOOP SENSOR	30Hz-100кHz	RS101-4cm	C-S	N/A	00820	<u> ii</u>			AR-2009
EFT		MN	MFR		SN		ASSET	Сат	CALIBRATION DUE
EFT DIRECT COUPLING (N/A	C-S		01		00794	II	06-FEB-2008
ESD GENERATORS		IN	MFR	SN		ASSET	Сат	(CALIBRATION DUE
GREEN		G435	SCHAFFNER			00763			25-OCT-2007
RED		9435 OD	SCHAFFNER			00762	I		06-FEB-2008
YELLOW	93	0D	ETS	201		00673	I		18-AUG-2007
MULTIFUCTIONING Systems	MN	MFR	SN	Asset	Сат			CALIBRA	TION DUE
MULTIFUCTIONING SYSTEMS BLUE BESTEMC-2	MN 711-1100	MFR SCHAFFNER			CAT				TION DUE



ILLI OILLI. L	.110020-1								, o ib. (XL-TOOIVI	
RED BESTEM	C-2 7	711-1100	SCHAFFNER	200	122-074SC	006	523	II	13-APR-	2008 (SURG	E / EFT) / 17-APR-2008 (D+
MODULA 600	00 Mo	ODULA 6000	SCHAFFNER			DE	MO	II	09-JA	N-2008 (Su	RGE) / 10-JAN-2008 (EFT)
EMC PRO PL	.US EM	CPRO PLUS	K EYTEK	0	608208	REN	TAL	II		17-MA	AY-2008 (EFT)
EMC PRO		MC PRO	KEYTEK		005292	Ren	TAL	II	04-JA	•	RGE) / 17-JAN-2008 (EFT)
USC 500-N	/I US	SC 500 M6B	EMTEST	VO	516101357	DE	MO	II		09-JAN	1-2008 (Surge)
CHAMBERS AND	STRIPLINE	MN			MFR		SN	ASSET	Сат	•	CALIBRATION DUE
RFI 1 CHA		3 METER C		F	PANASHIELD		N/A	00797	II		20-APR-2008
RFI 2 CHA		04' x 07' SHIELD			LINDGREN		13329	00795	II.		04-FEB-2008
RFI 3 STR		N/A			C-S		N/A	00796	III		NA
ENVIRONMENT	. ,	ECL	-		B-M-A Inc.		2041	00029	!		03-JAN-2008
ENVIRONMENT	AL (SAFETY)	SGTH-	315		B-M-A Inc.		2245	00321	ı		03-JAN-2008
A 4401 151500	DANOE	MN	MFR		SN	A 00FT	Сат			CALIDDATIC	NI DUE
AMPLIFIERS RED	0.5-1000MHz		AR		18708	ASSET 00032	II			Calibratic 28-JAN-2008	
GREEN	0.5-1000MHz		AR		23423	00032	II			26-3AN-2008 04-FEB-2008	'
BLUE	0.01-250MHz		AR		19165	00039	ii				BS & EU CRFI)
BLACK	0.01-250MHz		AR		23411	00122	II	29-DEC		•	RFI) / 20-APR-2008 (RFI1)
ORANGE	0.01-250MHz		AR		26827	00367	II		•		MAY-2008 (NEBS CRFI)
BROWN 150W	0.1-250MHz		AR		313454	1255	II		•	04-FEB-2008	
GTC 1-2.6	1.0-2.6 GHz	GRF5016A	GTC		1221	RENTAL	II			16-MAY-	2008
HUGHES 10W	2.0-4.0GHz	1177H01	Hughes		055	RENTAL	II			16-MAY-	2008
HUGHES 10W	4.0-8.0GHz	8010H02F	HUGHES		240	RENTAL	II			16-MAY-	2008
HUGHES 10W	8-10.0GHz	80108	HUGHES		138	RENTAL	II			17-MAY-	
HP495A	7.0-10.0GHz		HP		4-00237	00086	II		OUT	OF SERVIC	CE (SPARE)
AUDIO AMP	Audio Freq	MPA-200	RADIO SHAC		700438	NONE	III			NA	
AUDIO AMP	Audio Freq	MPA-200	RADIO SHAC	K /	708545	00862	III			NA	
FIELD F	2nonco	RANGE		ЛN	MFF		SN		Accet	Сат	CALIBRATION DUE
									ASSET	CAI	
Ri	ED EEN	0.01-1000N 0.01-1000N		4422 4422	HOLAE HOLAE		90369 97363		00031 00136	!	23-MAR-2008 25-JUL-2007
BL		0.01-1000N		4422 4422	HOLAL		95696		01100	i	OUT OF CAL
MICROWAVE S				1501	HOLAD		0007546		1244	i	09-JAN-2008
WICKOWAVE O	OKVET WILTEN	Z-1001VII II	- 111	1001	TIOLAL	JA 1	0007540	J-T	1277		03 0AIV 2000
SIGNAL GENE	ERATORS	RANGE	MN		MFR		SN	I	ASSET	Сат	CALIBRATION DUE
RED		0.09-2000MHz	HP8648E	3	Agilent		3847U0	2192	00366		03-APR-2008
BLUE		0.1-1000MHz	HP8648A		Agilent		3426A0		00034	1	23-AUG-2007
GREEN	N	0.09-2000MHz	HP8648E	3	Agilent		3623A0	2072	00125	I	16-OCT-2007
ORANG	SE .	0.1-1000MHz	HP8648E	3	Agilent	İ	3537A0	1210	00025	I	29-JUN-2007
Brow	N	0.01Hz-15MHz	HP33120		Agilent		US3601	6621	1211	1	OUT OF SERVICE
WHITE		0.01Hz-15MHz	HP33120		Agilent		US3604		1219	I	OUT OF CAL
Brown-W		0.01Hz-15MHz	HP33120		Agilent		SG4001		1232	1	10-NOV-2007
BLUE-WH		0.1Hz-13MHz	HP3312A		Agilent		1432A0		00775		21-MAR-2008
SWEEPI		0.01-20.0GHz	HP83752	A	Agilent		3610A0		00087	II.	08-MAY-2008
AM/FM STEREO		0.1-170MHz	LG3236		LEADER		36873		00959	- !	10-OCT-2008
IMPULSE GENI	ERATOR	1-100Hz	CIG-25	EL	ECTRO-ME	RICS	290	J	00942	ı	05-AUG-2007
BULK INJECTION	ON CLAMPS	RANGE	MN	MFR	SN	ASSET	Сат			CALIBRATIO	NI DI IE
GREEN (NEI		0.01-100MHz	95236-1	ETS	50215	00118		03-NOV-			(BLK) 18-MAY-2008(ORANGE)
GREEN (EL		0.10-100MHz	95236-1	ETS	50215	00118			, ,		(BLK) 16-MAY-2008(ORANGE)
RED (NEB	,	0.01-100MHz	95236-1	ETS	34026	1020	ii		. ,		(BLK) 18-MAY-2008(ORANGE)
RED (EU	,	0.10-100MHz	95236-1	ETS	34026	1020	II		, ,		(BLK) 16-MAY-2008(ORANGE)
BLUE (RTCA	,	2-450MHz	9142-1N	SOLAR	063824	1237	II		, ,		. , , ,
RENT		2-450MHz	9142-1N	SOLAR	008508	RENTAL	. II			10-AUG-2	2007
4401	T4 045	B 4 B 1	14	ON!	۸		0.			0	D
	T1.315 DISE CART	MN	MFR C-S	SN	AS	SET	CA		<u> </u>		TION DUE
	ISIENT CART		C-S				 				NOT REQUIRED IFIED BEFORE USE
CDO TRAIN								-	****	<u></u>	
Oscill	.OSCOPES	IV	IN	N	1FR		SN		ASSET	Сат	CALIBRATION DUE
	100MHz	TDS	3 2 2 0	TEKT	RONIX	(C036986		1166	1	25-APR-2008
ESD Refe	RENCE 1GHZ	TDS	684B		RONIX		B011287		RENTAL	1	03-APR-2008
	AFETY 100 MH		340		RONIX		B012357		00737	1	03-OCT-2007
TELECO	м 100 MHz	546	45A	HP/A	GILENT	US	3632045	52	00103	I	30-JUN-2007



CDN NETWORKS	RANGE	MN	MFR	ASSET	Сат		CALIBRAT	ION DUE	
BLUE	0.10-100MHz	20A M-	3 C-S	00806	II (03-NOV-2007 (BLUE A	MP) 29-DEC-:	2007 (BLK)	16-MAY-2008 (ORANGE)
RED	0.10-100MHz	15A M-		00780			,	. ,	16-MAY-2008 (ORANGE)
YELLOW-BLACK	0.10-100MHz	15A M-		00784		*	,	, ,	16-MAY-2008 (ORANGE)
GREEN	0.10-100MHz	30A M-		00779			,	. ,	16-MAY-2008 (ORANGE)
YELLOW	0.10-100MHz	30A M-		00804	ii .	,	,	, ,	008 (ORANGE)
Brown	0.10-100MHz	M-3	C-S	1169	II (,		16-MAY-2008 (ORANGE)
BROWN-WHITE	0.10-100MHz	M-3	C-S	1170					16-MAY-2008 (ORANGE)
BROWN-BLACK	0.10-100MHz	M-2 (DC	C) C-S	1171		*	,	, ,	16-MAY-2008 (ORANGE)
RED-BLACK	0.10-100MHz	M-2 (DC	c) c-s	1177	II (03-NOV-2007 (BLUE A	мр) 29-DEC-	2007 (BLK)	16-MAY-2008 (ORANGE)
GREEN-WHITE	0.10-100MHz	M-2 (DC	c) c-s	1259	II (03-NOV-2007 (BLUE A	мр) 29-DEC-	2007 (BLK)	16-MAY-2008 (ORANGE)
YELLOW (RES)	0.10-100MHz	100Ω RESISTO	R C-S	00810	II (04-NOV-2007(BLUE A	мр) 16-МАҮ-	2008 (ORAN	NGE) 02-JAN-2008(BLK)
GREEN (RES)	0.10-100MHz	100Ω RESISTO	R C-S	1172	II	03-NOV-2007(BLUE A	мр) 16-МАҮ-	2008 (ORAN	NGE) 02-JAN-2008(BLK)
RMS VOLTMETER	S/CURRENT CLA	MP	MN	Mnfi	 R	SN	ASSET	Сат	CALIBRATION DUE
	MULTIMETER		79III	FLUK		71700298	00769	1	27-OCT-2007
	MULTIMETER		179	FLUK		89280616	1228	i	31-OCT-2007
TRUE-RMS MULTIN		F)	177	FLUK		83390024	00973	i	22-MAR-2008
	MULTIMETER	-,	177	FLUK		83390025	00974	i	22-MAR-2008
	TIMETER (TELECOM)		177	FLUK		83430419	00975	i	22-MAR-2008
	RENT PROBE		A622	TEKTRO		08DD 6275Dv	1246	i	31-JAN-2008
Surge G	ENERATORS		MN		MFR	SN	ASSET	Сат	CALIBRATION DUE
	/EFORM MONITOR		TWM-5		CDI	003982	00323	- II	05-JUN-2007
Universal Su	RGE GENERATOR		M5		CDI	003966	00324	II	CAL BEFORE USE
	COUPLING NWK		3CN		CDI	003455	00325	II	CAL BEFORE USE
	LUGIN MODULE	1	.2x50uS Pi	UGIN	CDI	N/A	00842	II	CAL BEFORE USE
10x160uS P	LUGIN MODULE	1	0x160uS P	LUGIN	C-S	N/A	00843	II	CAL BEFORE USE
10x560uS P	LUGIN MODULE	1	0x560uS P	LUGIN	C-S	N/A	00841	II	CAL BEFORE USE
PSURGE CONT	ROLLER MODULE		PSURGE 8	000	HAEFELY	150267	00879	II	06-JUN-2007
COUPLING/DEC	OUPLING MODULE		PCD 90)	HAEFELY	149213	0880	II	06-JUN-2007
IMPULSE	MODULE		PIM 900)	HAEFELY	149202	00881	II	06-JUN-2007
HIGH VOLTAGE CAI	Nwk 5kVDC, 18	μF	CS-HVC	С	C-S	01	00772	II	14-JUN-2008
NEBS SURG	E GENERATOR	•	N/A		C-S	N/A	00088	II	18-OCT-2007
2x10uS Sure	GE GENERATOR		2x10uS	;	C-S	N/A	00846	II	06-JUN-2007
10x700uS Sui	RGE GENERATOR		10x700u	S	C-S	N/A	00847	II	08-JUN-2007
12 Pair Surge I	RESISTOR MODULE	=	N/A		C-S	N/A	00768	II	18-OCT-2007
VSS				0.00	EMTEST	V0502100032	1155	II	CAL BEFORE USE
	500-M		SS 500 M1	2 52	LIVITEGI			- 11	
TSS	500-M 500-M	ד	TSS500 M1		EMTEST	V0502100031	1156	II	CAL BEFORE USE
	500-M 500-M	ד		110			1156 D ЕМО	II	CAL BEFORE USE 09-JAN-2008
TSS SCHAFFNER 2050	500-M 500-M 1.2x50 GENERATO	ד	TSS500 M 2050	110	EMTEST SCHAFFNER	₹	DEMO	II	09-JAN-2008
TSS SCHAFFNER 2050 Power/No	500-M 500-M 1.2x50 GENERATO	ד	TSS500 M 2050 MN	110 S MF	EMTEST SCHAFFNER	SN	DEMO ASSET		09-JAN-2008 Calibration Due
TSS SCHAFFNER 2050 POWER/NO	500-M 500-M 1.2x50 GENERATO DISE METERS	ד	TSS500 M 2050 MN 435B	MF	EMTEST SCHAFFNER FR	SN 2445A11012		II	09-JAN-2008 Calibration Due 03-APR-2008
TSS SCHAFFNER 2050 POWER/NO POWER POWER	500-M 500-M 1.2X50 GENERATO USE METERS METER METER	ד	TSS500 M 2050 MN 435B 437B	MF HI	EMTEST SCHAFFNER R P	SN 2445A11012 2912A01367	ASSET 00773 01099	II	09-JAN-2008 CALIBRATION DUE 03-APR-2008 03-APR-2008
TSS SCHAFFNER 2050 POWER/NO POWER POWER POWER POWER	500-M 500-M 1.2X50 GENERATO USE METER METER METER SENSOR	ד	TSS500 M 2050 MN 435B 437B 8481A	MF HI HI	EMTEST SCHAFFNER FR P	SN 2445A11012 2912A01367 2702A61351	ASSET 00773 01099 00774	CAT I I	09-JAN-2008 CALIBRATION DUE 03-APR-2008 03-APR-2008 04-APR-2008
TSS SCHAFFNER 2050 POWER/NO POWER POWER POWER POWER PSOPH	500-M 500-M 1.2x50 GENERATO DISE METER METER METER SENSOR OMETER	DR	MN 435B 437B 8481A 2429	MF HI HI HI BRUEL &	EMTEST SCHAFFNER FR P P P K KJAER	SN 2445A11012 2912A01367 2702A61351 1237642	ASSET 00773 01099 00774 00585	CAT I I I II	09-JAN-2008 CALIBRATION DUE 03-APR-2008 03-APR-2008 04-APR-2008 23-FEB-2009
TSS SCHAFFNER 2050 POWER/NO POWER POWER POWER PSOPHI TRANSMISSION LIN	500-M 500-M 1.2x50 GENERATO ISE METER METER METER SENSOR OMETER E TESTER (DBRNO	DR DR	MN 435B 437B 8481A 2429 185T	MF HI HI BRUEL &	EMTEST SCHAFFNER FR D D D I KJAER REL	SN 2445A11012 2912A01367 2702A61351 1237642 18507030010	ASSET 00773 01099 00774 00585 1236	CAT I I I II II	09-JAN-2008 CALIBRATION DUE 03-APR-2008 03-APR-2008 04-APR-2008 23-FEB-2009 20-APR-2008
TSS SCHAFFNER 2050 POWER/NO POWER POWER POWER POWER PSOPH	500-M 500-M 1.2x50 GENERATO ISE METER METER METER SENSOR OMETER E TESTER (DBRNO	DR DR	MN 435B 437B 8481A 2429	MF HI HI HI BRUEL &	EMTEST SCHAFFNER FR D D D I KJAER REL	SN 2445A11012 2912A01367 2702A61351 1237642	ASSET 00773 01099 00774 00585	CAT I I I II	09-JAN-2008 CALIBRATION DUE 03-APR-2008 03-APR-2008 04-APR-2008 23-FEB-2009
TSS SCHAFFNER 2050 POWER/NO POWER POWER POWER PSOPHI TRANSMISSION LIN	500-M 500-M 1.2X50 GENERATO ISE METER METER SENSOR OMETER E TESTER (DBRNC E TESTER (DBRNC	7) DR	MN 435B 437B 8481A 2429 185T 185T	MF HI HI BRUEL &	EMTEST SCHAFFNER FR P P S KJAER REL	SN 2445A11012 2912A01367 2702A61351 1237642 18507030010 998658	ASSET 00773 01099 00774 00585 1236 00823	CAT I I I II II II	09-JAN-2008 CALIBRATION DUE 03-APR-2008 03-APR-2008 04-APR-2008 23-FEB-2009 20-APR-2008 OUT OF SERVICE
POWER/NO POWER POWER POWER POWER PSOPHI TRANSMISSION LIN TRANSMISSION LIN OVERVOLTAGE C	500-M 500-M 1.2X50 GENERATO ISE METER METER SENSOR OMETER E TESTER (DBRNC E TESTER (DBRNC HAMBERS	DR S) MN	MN 435B 437B 8481A 2429 185T 185T	MF HI HI BRUEL &	EMTEST SCHAFFNER FR P P N KJAER REL REL	SN 2445A11012 2912A01367 2702A61351 1237642 18507030010 998658	ASSET 00773 01099 00774 00585 1236 00823 ASSET	CAT I I I II II CAT	09-JAN-2008 CALIBRATION DUE 03-APR-2008 03-APR-2008 04-APR-2008 23-FEB-2009 20-APR-2008 OUT OF SERVICE CALIBRATION DUE
TSS SCHAFFNER 2050 POWER/NO POWER POWER POWER PSOPHI TRANSMISSION LIN	500-M 500-M 1.2X50 GENERATO ISE METER METER SENSOR OMETER E TESTER (DBRNC E TESTER (DBRNC E TESTER (DBRNC HAMBERS SIMULATOR	7) DR	MN 435B 437B 8481A 2429 185T 185T	MF HI HI BRUEL &	EMTEST SCHAFFNER FR P P I KJAER REL REL	SN 2445A11012 2912A01367 2702A61351 1237642 18507030010 998658	ASSET 00773 01099 00774 00585 1236 00823	CAT I I I II II II	09-JAN-2008 CALIBRATION DUE 03-APR-2008 03-APR-2008 04-APR-2008 23-FEB-2009 20-APR-2008 OUT OF SERVICE
TSS SCHAFFNER 2050 POWER/NO POWER POWER POWER PSOPH TRANSMISSION LIN TRAN	500-M 500-M 1.2X50 GENERATO ISE METER METER SENSOR OMETER E TESTER (DBRNO E TESTER (DBRNO HAMBERS SIMULATOR	DR S) S) MN OV1 OV2	MN 435B 437B 8481A 2429 185T 185T MFR C-S	MF MF HI HI BRUEL & AMF	EMTEST SCHAFFNER P P P I KJAER REL REL	SN 2445A11012 2912A01367 2702A61351 1237642 18507030010 998658 SN W/A	ASSET 00773 01099 00774 00585 1236 00823 ASSET 00792 00116	CAT I I I II	09-JAN-2008 CALIBRATION DUE 03-APR-2008 03-APR-2008 04-APR-2008 23-FEB-2009 20-APR-2008 OUT OF SERVICE CALIBRATION DUE N/A N/A
TSS SCHAFFNER 2050 POWER/NO POWER POWER POWER PSOPH TRANSMISSION LIN TRANSMISSION LIN TRANSMISSION LIN TRANSMISSION LIN TRANSMISSION LIN TRANSMISSION LIN DIPOLE TAPE MI	500-M 500-M 1.2X50 GENERATO ISE METER METER SENSOR OMETER E TESTER (DBRNO E TESTER (DBRNO HAMBERS SIMULATOR MULATOR	DR S) S) MN OV1 OV2	MN 435B 437B 8481A 2429 185T 185T MFR C-S C-S	MF MF HI HI BRUEL & AMF	EMTEST SCHAFFNER P P P KAJAER REL REL REL REC	SN 2445A11012 2912A01367 2702A61351 1237642 18507030010 998658 SN W/A	ASSET 00773 01099 00774 00585 1236 00823 ASSET 00792 00116 ASSET	CAT I I I II II II CAT III III CAT	09-JAN-2008 CALIBRATION DUE 03-APR-2008 03-APR-2008 04-APR-2008 23-FEB-2009 20-APR-2008 OUT OF SERVICE CALIBRATION DUE N/A N/A CALIBRATION DUE
TSS SCHAFFNER 2050 POWER/NO POWER POWER POWER PSOPH TRANSMISSION LIN TRANSMISSION LIN TRANSMISSION LIN TRANSMISSION LIN TRANSMISSION LIN DIPOLE TAPE MI 26FT TAPE	500-M 500-M 1.2X50 GENERATO ISE METER METER METER SENSOR OMETER E TESTER (DBRNO E TESTER (DBRNO HAMBERS SIMULATOR MULATOR ###################################	MN OV1 OV2	MN 435B 437B 8481A 2429 185T 185T C-S C-S	MF HI HI HI HI AMF	EMTEST SCHAFFNER P P R KJAER REL REL R KIN	SN 2445A11012 2912A01367 2702A61351 1237642 18507030010 998658 SN W/A	ASSET 00773 01099 00774 00585 1236 00823 ASSET 00792 00116 ASSET 00776	CAT III III CAT III III III	09-JAN-2008 CALIBRATION DUE 03-APR-2008 03-APR-2008 04-APR-2008 23-FEB-2009 20-APR-2008 OUT OF SERVICE CALIBRATION DUE N/A N/A CALIBRATION DUE 22-MAR-2009
TSS SCHAFFNER 2050 POWER/NO POWER POWER POWER PSOPH TRANSMISSION LIN TRANSMISSION LIN TRANSMISSION LIN TRANSMISSION LIN TRANSMISSION LIN TRANSMISSION LIN DIPOLE TAPE MI	500-M 500-M 1.2X50 GENERATO ISE METER METER METER SENSOR OMETER E TESTER (DBRNO E TESTER (DBRNO HAMBERS SIMULATOR MULATOR ###################################	DR S) S) MN OV1 OV2	MN 435B 437B 8481A 2429 185T 185T C-S C-S	MF MF HI HI BRUEL & AMF	EMTEST SCHAFFNER P P R KJAER REL REL R KIN	SN 2445A11012 2912A01367 2702A61351 1237642 18507030010 998658 SN W/A	ASSET 00773 01099 00774 00585 1236 00823 ASSET 00792 00116 ASSET	CAT I I I II II II CAT III III CAT	09-JAN-2008 CALIBRATION DUE 03-APR-2008 03-APR-2008 04-APR-2008 23-FEB-2009 20-APR-2008 OUT OF SERVICE CALIBRATION DUE N/A N/A CALIBRATION DUE
TSS SCHAFFNER 2050 POWER/NO POWER POWER POWER PSOPH TRANSMISSION LIN TRANSMISSION LIN TRANSMISSION LIN TRANSMISSION LIN TRANSMISSION LIN DIPOLE TAPE MI 26FT TAPE 26FT TAPE	500-M 500-M 1.2x50 GENERATO 1.	MN OV1 OV2	MN 435B 437B 8481A 2429 185T 185T C-S C-S	MF HI HI HI HI AMF	EMTEST SCHAFFNEF ER D D D I KJAER REL REL KIN KIN	SN 2445A11012 2912A01367 2702A61351 1237642 18507030010 998658 SN W/A W/A SN C3166-1 C3166-2	ASSET 00773 01099 00774 00585 1236 00823 ASSET 00792 00116 ASSET 00776 00777	CAT I I I II II II CAT III III II	09-JAN-2008 CALIBRATION DUE 03-APR-2008 03-APR-2008 04-APR-2008 23-FEB-2009 20-APR-2008 OUT OF SERVICE CALIBRATION DUE N/A N/A CALIBRATION DUE 22-MAR-2009 22-MAR-2009
TSS SCHAFFNER 2050 POWER/NO POWER POWER POWER PSOPH TRANSMISSION LIN TRANSMISSION LIN TRANSMISSION LIN TRANSMISSION LIN DVERVOLTAGE C. 72KW POWER FAULT POWER FAULT SIN 26FT TAPE 26FT TAPE 26FT TAPE	500-M 500-M 1.2x50 GENERATO 1.	MN OV1 OV2 MN 2338CN 2338CN	MN 435B 437B 8481A 2429 185T 185T MFR C-S C-S ME MIE	MF HI	EMTEST SCHAFFNER P P P I KJAER REL REL KIN KIN MFR	SN 2445A11012 2912A01367 2702A61351 1237642 18507030010 998658 SN W/A W/A SN C3166-1 C3166-2	ASSET 00773 01099 00774 00585 1236 00823 ASSET 00792 00116 ASSET 00776 00777	CAT I I I II II II II II II II II CAT III III CAT III II II CAT	09-JAN-2008 CALIBRATION DUE 03-APR-2008 03-APR-2008 04-APR-2009 20-APR-2008 OUT OF SERVICE CALIBRATION DUE N/A N/A CALIBRATION DUE 22-MAR-2009 22-MAR-2009 CALIBRATION DUE
TSS SCHAFFNER 2050 POWER/NO POWER POWER POWER PSOPH TRANSMISSION LIN TRANSMISSION LIN TRANSMISSION LIN TRANSMISSION LIN DIPOLE TAPE MI 26FT TAPE 26FT TAPE 26FT TAPE 26FT TAPE	500-M 500-M 1.2x50 GENERATO 1.	MN OV1 OV2 MN 2338CN 2338CN	MN 435B 437B 8481A 2429 185T 185T MFR C-S C-S ME MN MP MD MD	MF HI	EMTEST SCHAFFNER FR D D E KJAER REL REL KIN KIN MFR DAVIS	SN 2445A11012 2912A01367 2702A61351 1237642 18507030010 998658 SN W/A W/A SN C3166-1 C3166-2 SN N/A	ASSET 00773 01099 00774 00585 1236 00823 ASSET 00792 00116 ASSET 00776 00777	CAT I I I II II II CAT III III II	09-JAN-2008 CALIBRATION DUE 03-APR-2008 03-APR-2008 04-APR-2008 23-FEB-2009 20-APR-2008 OUT OF SERVICE CALIBRATION DUE N/A N/A CALIBRATION DUE 22-MAR-2009 22-MAR-2009 CALIBRATION DUE 09-FEB-2009
TSS SCHAFFNER 2050 POWER/NO POWER POWER POWER PSOPH TRANSMISSION LIN TRANSMISSION LIN TRANSMISSION LIN TRANSMISSION LIN DIPOLE TAPE MI 26FT TAPE 26FT TAPE 26FT TAPE 26FT TAPE	500-M 500-M 1.2X50 GENERATO 1.	MN OV1 OV2 MN 2338CN 2338CN	MN 435B 437B 8481A 2429 185T 185T MFR C-S C-S ME MIE	MF HI HI BRUEL & AMF AMF	EMTEST SCHAFFNER P P P I KJAER REL REL KIN KIN MFR	SN 2445A11012 2912A01367 2702A61351 1237642 18507030010 998658 SN W/A W/A SN C3166-1 C3166-2 SN N/A 4000562	ASSET 00773 01099 00774 00585 1236 00823 ASSET 00792 00116 ASSET 00776 00777	CAT I I I II II II II II II II II CAT III III CAT III II II CAT	09-JAN-2008 CALIBRATION DUE 03-APR-2008 03-APR-2008 04-APR-2009 20-APR-2008 OUT OF SERVICE CALIBRATION DUE N/A N/A CALIBRATION DUE 22-MAR-2009 22-MAR-2009 CALIBRATION DUE

All equipment is calibrated using standards traceable to NIST or other nationally recognized calibration standard.



Conditions Of Testing

[Bureau Veritas Consumer Products Services, Inc., a Massachusetts corporation], and/or its affiliates (collectively, the "Company") will conduct, at the request of the Submitter ("Client"), the tests specified on the submitted Test Request Form or equivalent in accordance with, and subject to, the following terms and conditions (collectively, "Conditions"):

- 1. All orders for tests are subject to acceptance by the Company, and no order will constitute a binding commitment of the Company unless and until such order is accepted by it, as evidenced by the issuance of a written report ("Test Report") by the Company. The Test Report is issued solely by the Company, is intended for the exclusive use of Client and shall not be published, used for advertising purposes, copied or replicated for distribution to any other person or entity or otherwise publicly disclosed without the prior written consent of the Company. By submitting a request for services to the Company, Client consents to the disclosure to accreditation bodies of those records of Client relevant to the accreditation body's assessment of the Company's competence and compliance with relevant accreditation criteria. The Company shall not be liable for any loss or damage whatsoever resulting from the failure of the Company to provide its services within any time period for completion estimated by the Company. If Client anticipates using the Test Report in any legal proceeding, arbitration, dispute resolution forum or other proceeding, it shall so notify the Company prior to submitting the Test Report in such proceeding. The Company has no obligation to provide a fact or expert witness at such proceeding unless the Company agrees in advance to do so for a separate and additional fee.
- 2. The Test Report will set forth the findings of the Company solely with respect to the test samples identified therein. Unless specifically and expressly indicated in the Test Report, the results set forth in such Test Report are not intended to be indicative or representative of the quality or characteristics of the lot from which a test sample is taken, and Client shall not rely upon the Test Report as being so indicative or representative of the lot or of the tested product in general. The Test Report will reflect the findings of the Company at the time of testing only, and the Company shall have no obligation to update the Test Report after its issuance. The Test Report will set forth the results of the tests performed by the Company based upon the written information provided to the Company. The Test Report will be based solely on the samples and written information submitted to the Company by Client, and the Company shall not be obligated to conduct any independent investigation or inquiry with respect thereto.
- 3. The Company may, in its sole discretion, destroy samples which have been furnished to the Company for testing and which have not been destroyed in the course of testing. The Company may delegate the performance of all or a portion of the services contemplated hereunder to an affiliate, agent or subcontractor of the Company, and Client consents to such delegation.
- 4. These Conditions and the Test Report represent the entire understanding of the parties hereto with respect to the subject matter hereof and of the Test Report, and no modification, variance or extrapolation with respect thereto shall be permitted without the prior written consent of the Company.
- 5. The names, service marks, trademarks and copyrights of the Company and its affiliates, including the names "BUREAU VERITAS," "BUREAU VERITAS CONSUMER PRODUCTS SERVICES," "BVCPS", "MTL", "ACTS", "MTL-ACTS" and CURTIS-STRAUS (collectively, the "Marks") are and shall remain the sole property of the Company or its affiliates and shall not be used by Client except solely to the extent that Client obtains the prior written approval of the Company and then only in the manner prescribed by the Company. Client shall not contest the validity of the Marks or take any action that might impair the value or goodwill associated with the Marks or the image or reputation of the Company or its affiliates.
- 6. Payment in full shall be due 30 days after the date of invoice. Interest shall be due on overdue amounts from the due date until paid at an interest rate of 1.5% per month or, if less, the maximum rate permitted by law. The Company reserves the right, at any time and from time to time, to revoke any credit extended to Client. Client shall reimburse the Company for any costs it incurs in collecting past due amounts, including court costs and fees and expenses of attorneys and collection agencies. The Test Report may not be used or relied upon by Client if and for so long as Client fails to pay when due any invoice issued by the Company or any affiliate of it to Client or any affiliate or subsidiary of Client together with interest and penalties, if any, accrued thereon.
- 7. The Company disclaims any and all responsibility or liability arising out of or in connection with e-mail transmissions of such information.
- 8. Client understands and agrees that the Company is neither an insurer nor a guarantor, that the Company does not take the place of Client or any designer, manufacturer, agent, buyer, distributor or transportation or shipping company, and that the Company disclaims all liability in such capacities. Client further understands that if it seeks assurance against loss or damage, it should obtain appropriate insurance.
- 9. Client agrees that the Company, by providing the services, does not take the place of Client nor any third party, nor does the Company release them from any of their obligations, nor does the Company otherwise assume, abridge, abrogate or undertake to discharge any duty of any third party to Client or any duty of Client or any third party to any other third party, and Client will not release any third party from its obligations and duties with respect to the tested goods.
- 10. Client shall, on a timely basis, (a) provide adequate instructions to the Company in order to enable the Company to perform properly its services, (b) provide, or cause Client's suppliers and contractors to provide, the Company with all documents necessary to enable the Company to perform its services, (c) furnish the Company with all relevant information regarding Client's intended use and purposes of the tested goods, (d) advise the Company of essential dates and deadlines relevant to the tested goods and (e) fully exercise all rights and remedies available to Client against third parties in respect of the tested goods.
- 11. The Company shall undertake due care and ordinary skill in the performance of its services to Client, and the Company shall accept responsibility only were such skill has not been exercised and, even in such event, only to the extent of the limitation of liability set forth herein.
- 12. If Client desires to assert a claim arising from or relating to (i) the performance, purported performance or non-performance of any services by the Company or (ii) the sale, resale, manufacture, distribution or use of any tested goods, it must submit that claim to the Company in a writing that sets forth with particularity the basis for such claim within 60 days from discovery of the potential claim and not more than six months after the date of issuance of the Test Report to Client. Client waives any and all such claims including, without limitation, claims that the Test Report is inaccurate, incomplete or misleading or that additional or different testing is required, unless and then only to the extent that Client submits a written claim to the Company within both such time periods.

Page 10 of 14



13. CLIENT SHALL, EXCEPT TO THE EXTENT OF COMPANY'S LIABILITY TO CLIENT HEREUNDER (WHICH IN NO EVENT SHALL EXCEED THE LIMITATION OF LIABILITY HEREIN), HOLD HARMLESS AND INDEMNIFY THE COMPANY, ITS AFFILIATES AND THEIR RESPECTIVE DIRECTORS, OFFICERS, EMPLOYEES, AGENTS AND SUBCONTRACTORS AGAINST ALL ACTUAL OR ALLEGED THIRD PARTY CLAIMS FOR LOSS, DAMAGE OR EXPENSE OF WHATSOEVER NATURE AND HOWSOEVER ARISING FROM OR RELATING TO (i) THE PERFORMANCE, PURPORTED PERFORMANCE OR NON-PERFORMANCE OF ANY SERVICES BY THE COMPANY OR (ii) THE SALE, RESALE, MANUFACTURE, DISTRIBUTION OR USE OF ANY TESTED GOODS.

- 14. EXCEPT AS MAY OTHERWISE BE EXPRESSLY AGREED TO IN WRITING BY THE COMPANY AND NOTWITHSTANDING ANY PROVISION TO THE CONTRARY CONTAINED HEREIN OR IN ANY TEST REPORT, NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE. IS MADE
- 15. (A) IN NO EVENT WHATSOEVER SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL, SPECIAL, INCIDENTAL, EXEMPLARY OR PUNITIVE DAMAGES IN CONNECTION WITH, RELATING TO OR ARISING OUT OF THE TEST REPORT OR THE SERVICES PROVIDED BY THE COMPANY HEREUNDER, INCLUDING WITHOUT LIMITATION LOSS OF OR DAMAGE TO PROPERTY; LOSS OF INCOME, PROFIT OR USE; OR ANY CLAIMS OR DEMANDS MADE AGAINST CLIENT OR ANY OTHER PERSON BY ANY THIRD PARTY IN CONNECTION WITH, RELATING TO OR ARISING OUT OF THE SERVICES PROVIDED BY THE COMPANY HEREUNDER.
- (B)NOTWITHSTANDING ANY PROVISION TO THE CONTRARY CONTAINED HEREIN, AND IN RECOGNITION OF THE RELATIVE RISKS AND BENEFITS TO CLIENT AND THE COMPANY ASSOCIATED WITH THE TESTING SERVICES CONTEMPLATED HEREBY, THE RISKS HAVE BEEN ALLOCATED SUCH THAT UNDER NO CIRCUMSTANCES WHATSOEVER SHALL THE LIABILITY OF THE COMPANY TO CLIENT OR ANY THIRD PARTY IN RESPECT OF ANY CLAIM FOR LOSS, DAMAGE OR EXPENSE, OF WHATSOEVER NATURE OR MAGNITUDE, AND HOWSOEVER ARISING, EXCEED AN AMOUNT EQUAL TO FIVE (5) TIMES THE AMOUNT OF THE FEES PAID TO THE COMPANY FOR THE SPECIFIC SERVICES WHICH GAVE RISE TO SUCH CLAIM OR U.S.\$10,000, WHICHEVER IS THE LESSER AMOUNT.
- 16. The Company shall not be liable for any loss or damage resulting from any delay or failure in performance of its obligations hereunder resulting directly or indirectly from any event of force majeure or any event outside the control of the Company. If any such event occurs, the Company may immediately cancel or suspend its performance hereunder without incurring any liability whatsoever to Client.
- 17. Company's services, including these Conditions, shall be governed by, and construed in accordance with, the local laws of the country where the Company performs the tests or, in the case of tests performed in the United States of America, the laws of Massachusetts without regard to conflicts of laws principles. If any aspect(s) of these Conditions is found to be illegal or unenforceable, the validity, legality and enforceability of all remaining aspects of these Conditions shall not in any way be affected or impaired thereby. Any proceeding related to the subject matter hereof shall be brought, if at all, in the courts of the country where the Company performs the tests or, in the case of tests performed in the United States of America, in the courts of Massachusetts. Client waives the right to interpose any counterclaim or setoffs of any nature in any litigation arising hereunder.

Rev.160009121(2)_#684340 v13CS



A2LA Accreditation

SCOPE OF ACCREDITATION TO ISO/IEC 17025-1999

CURTIS-STRAUS1 527 Great Road Littleton, MA 01460 Barry Quinlan Phone: 978-486-8880 ELECTRICAL

Valid until: July 31, 2007

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following Electromagnetic Compatibility (EMC), Telecommunications, and Product Safety tests:

Electromagnetic Compatibility (EMC)
Radiated emissions testing (electric and magnetic fields)*, Conducted emissions testing (voltage and current)*;
Electrostatic Discharge testing*; Electrical Fast Transient testing*, Radiated Immunity testing*, Conducted
Immunity testing*, Lightning Immunity testing*, Voltage Dips*, Interrupts and Voltage Variations testing*;
Magnetic Immunity testing*, RF Power measurement*; Frequency Stability Measurements*; Longitudinal Induction measurements*, Itamonic emissions testing*; Light flicker testing*; Low frequency disturbance voltage testing*; Disturbance Power measurements*; Power Cross Overvoltage testing*;

Test Type	Test Method(s)
Emissions	
Radiated and Conducted Emissions	FCC 47 CFR Parts 15 & 18; C63.4; CISPR 22; EN55022; SABS CISPR 22; AS/NZS CISPR 22; AS/NZS 3548; Canada ICES- 003; CNS13438; KN 22 (RRL No. 2005-82; September 29; 2005); CISPR 11; EN 55011; SABS CISPR 11; AS/NZS CISPR 11; AS/NZS 2064; Canada ICES-001; CNS13803; CISPR 13; EN 55013; SABS CISPR 13; AS/NZS CISPR 13; AS/NZS 1053; CISPR 14-1; EN 55014-1; SABS CISPR 14; AS/NZS CISPR 14; AS/NZS 1044; CNS 13439; CISPR 15; EN 55015; GR-1089- CORE; CSA C108.8-M1983;
Harmonics	EN 61000-3-2; AS/NZS 61000.3.2
Flicker	EN 61000-3-3; AS/NZS 61000.3.3

1 Note: This accreditation covers testing performed at the laboratory listed above and the satellite facility located at 168 Ayer Rd, Littleton, MA 01460 and, for test types marked with an asterisk, at other sites as defined in "A2LA specific criteria for the accreditation of site testing and site calibration laboratories."

(A2LA Cert. No. 1627.01) 3/27/06

Page 1 of 10

Immunity	RRL No. 2005-130 (December 27, 2005)
Electrostatic Discharge (ESD)	EN 61000-4-2; AS/NZS 61000.4.2; KN61000-4-2
Radiated Immunity (RFI)	EN 61000-4-3, AS/NZS 61000.4.3; KN61000-4-3
Electrical Fast Transient Bursts (EFT)	EN 61000-4-4; AS/NZS 61000.4.4; KN61000-4-4
Surge	EN 61000-4-5, AS/NZS 61000.4.5; KN61000-4-5
Conducted Immunity	EN 61000-4-6, AS/NZS 61000.4.6; KN61000-4-6
Magnetic Immunity	EN 61000-4-8; AS/NZS 61000.4.8; KN61000-4-7
Voltage Dips and Interrupts	EN 61000-4-11; KN61000-4-11
Low Frequency Conducted Disturbances	EN 61000-2-2

Family Product or Industry Specific Specifications including emissions and/or immunity	GR-1089-CORE; GR-78-CORE (ESD) ENSO081-1; ENS0081-2; ENS0082-1; ENS0082-1; EN 61000-6-1; EN 61000-6-2; EN 61000-6-3; EN 61000-6-4; EN 50091-2; EN 55024; CLSPR 24 EN 55103-1; EN 55103-2; EN 61326; EN 61547; EN 50130-4; EN 50083-2; EN 60601-2-32; EN 60601-2-2; EN 60601-2-24; EN 60601-32; EN 60601-32; EN 60601-2-47; IEC 1800-3; EN 6601-12-47; IEC 1800-3; EN 60601-2-87; EN 60601-2-24; EN 60555 Part 2; EN 60555 Part 3; ETS 300 386-1; EN 300 386-2; EN 300 386, ETS 300 386-1; EN 300 386-2; EN 300 386, ETS 300 132-1; ETS 300 132-2; EN 6069-2-1; AS/NZS 3200.1-2; CNS 13783-1; ETR 283: C62-41
Radiocommunications	
EU R&TTE Radio Standards;	EN 300 220-1; EN 300 220-3; EN 300 330-1; EN 300 330-2; EN 300 440-1; EN 300 440-2; EN 300 328; EN 300 385; EN 301 893
EU R&TTE EMC Standards	EN 300 339; EN 301 489-01; EN 301 489-03; EN 301 489-17
Canada Radio Standards	RSS-102: RSS-117: RSS-118; RSS-119; RSS-123; RSS-125; RSS-128; RSS-129; RSS-130; RSS-131; RSS-132; RSS-133; RSS-134; RSS-135; RSS-136; RSS-137; RSS-138; RSS-141; RSS-142; RSS-170; RSS-181; RSS-182; RSS-187; RSS-188; RSS-191; RSS-192; RSS-193; RSS-195; RSS-210; RSS-212; RSS-213; RSS-215; RSS-243; RSS-GEN; RSS-310; GLS-310; GLS-36
Australia/New Zealand Radio Standards	AS/NZS 4268; AS/NZS 4771; RFS29; Radiocommunications (Data Transmission Equipment Using Spread Spectrum Modulation Techniques); Radiocommunications (Spread Spectrum Devices); Radiocommunications (Short Range Devices); Radiocommunications (Low Interference Potential Devices);

(A2LA Cert. No. 1627.01) 3/27/06

Page 2 of 10

Other Raa	lio Standards	RTTE 01 (DGT-Taiwan);					
FCC Star	ndards and Test methods Support TCB	Status					
FCC Scop	FCC Scope A – Unlicensed Radio Frequency Devices						
A1	1. 47 CFR Parts 11, 15 and 18						
	2. FCC MP-5,						
	3. ANSI C63.4-2003,						
A2	1. 47 CFR Part 15.						
	2. ANSI C63.4-2003,						
A3	1. 47 CFR Part 15,						
	ANSI C63.17-1998,						
	3. ANSI C63.4-2003,						
A4	1. 47 CFR Part 15,						
	2. ANSI C63.4-2003,						
FCC Scop	e B – Licensed Radio Service Equipment						
B1	1. 47 CFR Parts 2, 22, 24, 25, and	27					
	2. ANSI/TIA-603-C (2004)						
B2	1. 47 CFR Parts 2, 22, 74, 90, 95,	and 97					
	2. ANSI/TIA-603-C (2004)						
B3	1. 47 CFR Parts 2, 80, and 87						
	2. ANSI/TIA-603-C (2004)						
B4	1. 47 CFR Parts 2, 21, 74, and 101						
	2. ANSI/TIA-603-C (2004)						

Country Specific Standards and Other	
ITU EMC Standards	K.20; K.21; K.41; K.44
Swedish EMC Standards	BAKOM 3336.3
South African EMC Standards other then CISPR	SABS 1718-1; SANS 211/SABS CISPR 11;
equivalents	SANS 224/SABS CISPR 24;
	SANS 213/SABS CISPR 13;
	SANS 2200; SANS214-1/SABS CISPR 14-1;
	SANS214-2/SABS CISPR 14-2;
	SANS 215/SABS CISPR 15;
	SANS 222/SABS CISPR 22
Hong Kong EMC Standards	HKTA 1006; HKTA 1007; HKTA 1008;
	HKTA 1010; HKTA 1015; HKTA 1026;
	HKTA 1035; HKTA 1039; HKTA 1041;
	HKTA 1042; HKTA 1045
Singapore EMC Standards	IDA TS SRD; IDA TS EMC
Japanese VCCI Standards	VCCI V-3, VCCI V-4

(A2LA Cert. No. 1627.01) 3/27/06 Page 3 of 10

Telecommunications Registration; General test methods; Lightning surge*; Drop testing*; Balance testing*; Signal power (metallic and longitudinal)*; Frequency measurements*; Pulse templates*; Leakage testing*; Impedance testing*; Hearing Aid Compatibility testing (excluding volume control)*; Protocol analysis* and Jitter testing*.

Telecom Standards	Tit

North American standards FCC 47 CFR Part 68 Telephone Connection of terminal equipment to the telephone Connection of terminal equipment to the telephone network. Analog and Digital Equipment. TCB Scope C1. Specification for terminal equipment, terminal systems, Network protection devices, connection arrangements and hearing aids compatibility.
Bulletin Part 68 Rationale and Measurement Guidelines (Teb. 1908). Terminal Equipment CS-03 Issue 9 TIA/EIA TSB31-B 1998 (Feb 1998) TIA-968-A, A1, A2, A3 Telecommunications Telephone Terminal Equipment Technical Requirements for Connection of Terminal Equipment to the Telephone Network Technical Requirements for SHDSL, HDSL2, HDSL4 Digital Subscriber Line Terminal Equipment T1.TRQ.6-2001 to Prevent Harm to the Telephone Network Industry Australia standards AS/ACIF S002-2001

Analogue interworking and non-interference requirements for Customer Equipment for connection to the Public Switched Telephone Network Requirements for Customer Equipment for AS/ACIF S016-2001 connection to hierarchical digital interfaces Requirements for ISDN Basic Access Interface AS/ACIF S031-2001 Requirements for ISDN Primary Rate Access Interface Requirements for Customer Equipment for Connection to a Metallic Local Loop Interface of a AS/ACIF S038-2001 AS/ACIF S043-2001

Telecommunications Network -Part 1: General Part 2: Broadband

Part 3: DC, Low Frequency AC and Voice band International standards ITU-T G.703 Physical/electrical characteristics of hierarchical

Digital interfaces Hong Kong standards HKTA 2011 Network Connection Specification for Connection of Customer Premises Equipment (CPE) to Direct Exchange Lines (DEL) of the Public Switched Telephone Network

(PSTN) in Hong Kong Network Connection Specification for Connection of HKTA 2014 Customer Premises Equipment (CPE) to the Public Telecommunications Network (PTN) in Hong Kong ISDN Basic Rate Access (BRA) based on ITU-T Recommendations

(A2LA Cert. No. 1627.01) 3/27/06

Page 12 of 14



Page 4 of 10

Telecom Standards	<u>Title</u>	European standards (cont'd)		
HKTA 2028	Network connection specification for connection of	TBR 21: 1998	Terminal Equipment (TE); Attachment requirements	
	CPE to the PTNs in Hong Kong using digital leased circuits at data rate of 1544 kbit/s		For pan-European approval for connection to the Analogue Public Switched Telephone Networks	
HKTA 2029	Network connection specification for connection of		(PSTNs) of TE (excluding TE supporting the voice	
111111202)	CPE to the PTNs in Hong Kong using digital leased		telephony service) in which network addressing, if	
	circuits at data rate of 2048 kbit/s		provided, is by means of Dual Tone Multi Frequency	
HKTA 2030	Network Connection Specification for Connection of	EDD 24 1005	(DTMF) signaling	
	Customer Premises Equipment (CPE) to the Public Telecommunications Network (PTN) in Hong Kong using	TBR 24: 1997	Business TeleCommunications (BTC); 34 Mbit/s Digital Unstructured and structured leased lines	
	Digital Leased Circuits at nx64 kbit/s		(D34U and D34S); Attachment requirements for	
HKTA 2031	Network Connection Specification for Connection of		Terminal equipment interface	
	Customer Premises Equipment (CPE) to the Public	Taiwan standards (DGT)		
	Telecommunications Network (PTN) in Hong Kong using Digital Leased Circuits below 64 kbit/s	ADSL01	Asymmetric Digital Subscriber Line Terminal Equipment and POTS Splitter Technical Specifications	
HKTA 2032	Network Connection Specification for Connection of	ID0002	DS1 Equipment Type Approval Guidelines	
11K17A 2032	Customer Premises Equipment (CPE) to the Public	IS6100	ISDN Terminal Equipment Technical Specifications	
	Telecommunications Networks in Hong Kong using	PSTN01 (non-voice only)	Technical Specifications for Terminal Equipment for	
	Asymmetric Digital Subscriber Lines (ADSL) based on ITU-T	N 7 1 1 1 1	Connection to Public Switched Telephone Network	
HKTA 2033	Recommendation G.992.1 Network Connection Specification for Connection of	New Zealand standards PTC 200 (non-voice only)	Requirements for Connection of Customer Equipment to	
IIKTA 2000	Customer Premises Equipment (CPE) to Fixed	1 1C 200 (Ron-voice only)	Analogue Lines	
	Telecommunications Networks in Hong Kong using	PTC 217	Requirements for Bandwidth Management Devices	
	Splitterless Asymmetric Digital Subscriber Lines (ADSL)	TNA 117	Telecom 2048 kbit/s Standard Network Interface	
European standards	based on ITU-T Recommendation G.992.2	PTC 270	Interim arrangements for ADSL CPE	
TBR 1: 1995	Attachment requirements for terminal equipment to	Singapore Standards		
	Be connected to circuit switched data networks and	IDA TS ADSL	Type Approval Specification for Asymmetric Digital	
	Leased circuits using a CCITT Recommendation		Subscriber Line (Full-rate ADSL) Modems	
	X.21 interface, or at an interface physically,	IDA TS ADSL 2	Type Approval Specification for Asymmetric Digital	
	functionally and electrically compatible with CCITT Recommendation X.21 but operating at any data	IDA TS DLCN 1	Subscriber Line Splitterless (G-Lite) Modems Type Approval Specification for Digital Interfaces based on	
	signaling rate up to, and including, 1 984 kbit/s		hierarchical bit rates of 2048 kbit/s, 34 368 kbit/s and 139 264	
TBR 2: 1997	Attachment requirements for Data Terminal		kbit/s	
	Equipment (DTE) to connect to Packet Switched	IDA TS ISDN 1	Type Approval Specification for connection of Terminal	
	Public Data Networks (PSPDNs) for CCITT Recommendation X.25 interfaces at data signaling		Equipment to Integrated Services Digital Network (ISDN) Basic Access	
	rates up to 1 920 kbit/s utilizing interfaces derived	IDA TS ISDN 2	Type Approval Specification for connection of Terminal	
	from CCITT Recommendations X.21 and X.21 bit		Equipment to Integrated Services Digital Network (ISDN)	
TBR 3: 1995 + Amdt : 1997	Integrated Services Digital Network (ISDN);	IDA TE DETNI	Primary Rate Access (PRA)	
	Attachment requirements for terminal equipment to connect to an ISDN using ISDN basic access	IDA TS PSTN (non-voice only)	Type Approval Specification for connection of Terminal Equipment to Public Switched Telephone Network (PSTN)	
TBR 4: 1995 + Amdt : 1997	Integrated Services Digital Network (ISDN);	South Africa standards	Equipment to rubite Switched Telephone Network (FSTN)	
	Attachment requirements for terminal equipment to	TE-001 (non-voice only)	Standard for Telecommunication Line Terminal Equipment	
TBR 012: 1993 + Amdt : 1996	connect to an ISDN using ISDN primary rate access		(TLTE) for Connection to the Public Switched Telephone	
	Business Telecommunications (BT); Open Network Provision (ONP) technical requirements; 2 048 kbit/s		Network (PSTN)	
	digital unstructured leased line (D2048U) Attachment			
	requirements for terminal equipment			
TBR 013: 1996	Business TeleCommunications (BTC); 2 048 kbit/s			
	digital structured leased lines (D2048S); Attachment requirements for terminal equipment interface			
(A2LA Cert. No. 1627.01) 3/27/06	Page 5 of 10	(A2LA Cert. No. 1627.01) 3/27/06	Page 6 of 10	
Product Safety		Product Safety Standards	Title	
		Product Safety Standards IEC 60825-1 2001	Title Classification, requirements and user's guide.	
General test methods:	essibility*, Permissibly limits*, Energy hazard	Product Safety Standards IEC 60825-1 2001 IEC 60825-2 2000-5	Title Classification, requirements and user's guide. Safety of laser products – Part 2: Safety of optical	
General test methods: Power input*, Permanence of marking*, Acce measurement*, SELV circuits*, TNV limits*,	Limited current*, Capacitor Discharge / voltage	IEC 60825-1 2001 IEC 60825-2 2000-5	Classification, requirements and user's guide. Safety of laser products – Part 2: Safety of optical communication systems	
General test methods: Power input*, Permanence of marking*, Acce measurement*, SELV circuits*, TNV limits*, limitation*, Ring signal*, Humidity condition	Limited current*, Capacitor Discharge / voltage ing*, Creepage / Clearance / Distance thru Insulation (excluding	IEC 60825-1 2001 IEC 60825-2 2000-5 IEC 60825-4 1997-11	Classification, requirements and user's guide. Safety of laser products – Part 2: Safety of optical communication systems Safety of laser products – Part 4: Laser guards	
General test methods: Power input*, Permanence of marking*, Acce measurement*, SELV circuits*, TNV limits*, limitation*, Ring signal*, Humidity condition CTI)*, Limited power measurement*, Ground	Limited current*, Capacitor Discharge / voltage ing*, Creepage / Clearance / Distance thru Insulation (excluding Bond/Earthing*, Ground continuity*, Temperature*, Stability*,	IEC 60825-1 2001 IEC 60825-2 2000-5 IEC 60825-4 1997-11 21 CFR 1040.10	Classification, requirements and user's guide. Safety of laser products – Part 2: Safety of optical communication systems Safety of laser products – Part 4: Laser guards Performance standard for laser products	
General test methods: Power input*, Permanence of marking*, Acce measurement*, SELV circuits*, TNV limits*, limitation*, Ring signal*, Humidity condition CTD*, Limited power measurement*, Grounc Applied force*, Steel sphere impact*, Mold st Component abnormal*, Electric strength*, Im	Limited current*, Capacitor Discharge / voltage ing*, Creepage / Clearance / Distance thru Insulation (excluding I Bond/Earthing*, Ground continuity*, Temperature*, Stability*, tress*, Battery reverse current*, Ball pressure*, Leakage current*, publes*, Overvoltage*, Acoustic sound pressure*, 130mm / 20mm	IEC 60825-1 2001 IEC 60825-2 2000-5 IEC 60825-4 1997-11 21 CFR 1040.10 IEC 60335-1 1997 & AM 12 – 1997)	Classification, requirements and user's guide. Safety of laser products – Part 2: Safety of optical communication systems Safety of laser products – Part 4: Laser guards	
General test methods: Power input*, Permanence of marking*, Acce measurement*, SELV circuits*, TNV limits*, limitation*, Ring signal*, Humidity condition CTlp*, Limited power measurement*, Grounc Applied force*, Steel sphere impact*, Mold st Component abnormal*, Electric strength*, Im flame*, Needle flame*, Hot flaming oil*, Loc	Limited current*, Capacitor Discharge / voltage ing*, Creepage / Clearance / Distance thru Insulation (excluding IB Bond/Earthing*, Ground continuity*, Temperature*, Stability*, tress*, Battery reverse current*, Ball pressure*, Leakage current*, pulse*, Overvoltage*, Acoustic sound pressure*, 130mm / 20mm ked rotor/motor armature*, Vibration, Bump, Drop*, Strain relief*,	IEC 60825-1 2001 IEC 60825-2 2000-5 IEC 60825-4 1997-11 21 CFR 1040.10 IEC 60335-1 1995 (Including AM2 – 1997 & AM 12 – 1997) EN 60335-1 2001	Classification, requirements and user's guide. Safety of laser products – Part 2: Safety of optical communication systems Safety of laser products – Part 4: Laser guards Performance standard for laser products Safety of household and similar electrical appliances	
General test methods: Power input*, Permanence of marking*, Acce measurement*, SELV circuits*, TNV limits*, limitation*, Ring signal*, Humidity condition CTI)*, Limited power measurement*, Grounc Applied force*, Steel sphere impact*, Mold st Component abnormal*, Electric strength*, Im flame*, Needle flame*, Hot flaming oil*, Loc Torque*, Insulation resistance*, Sound level*	Limited current*, Capacitor Discharge / voltage ing*, Creepage / Clearance / Distance trun Insulation (excluding I Bond/Earthing*, Ground continuity*, Temperature*, Stability*, ress**, Battery reverse current*, Ball pressure*, Leakage current*, publes*, Overvoltage*, Acoustic sound pressure*, 130mm / 20mm ked rotor/motor armature*, Vibration, Bump, Drop*, Strain relief*, Handie loading*, Liquid overflow*, Spillage*, Liquid leakage*,	IEC 60825-1 2001 IEC 60825-2 2000-5 IEC 60825-4 1997-11 21 CFR 1040-10 IEC 60335-1 1997 & AM 12 – 1997) EN 60335-1 2001 UL 60333-1 1998	Classification, requirements and user's guide. Safety of laser products – Part 2: Safety of optical communication systems Safety of laser products – Part 4: Laser guards Performance standard for laser products Safety of household and similar electrical appliances	
General test methods: Power input*, Permanence of marking*, Acce measurement*, SELV circuits*, TNV limits*, limitation*, Ring signal*, Humidity condition CTIP*, Limited power measurement*, Grounc Applied force*, Steel sphere impact*, Mold st Component abnormal*, Electric strength*, Im flame*, Needle flame*, Hot flaming oil*, Loc Torque*, Insulation resistance*, Sound level* Transformer shorts/overloads*, Rain test*, We	Limited current*, Capacitor Discharge / voltage ing*, Creepage / Clearance / Distance thru Insulation (excluding I Bond/Earthing*, Ground continuity*, Temperature*, Stability*, tress*, Battery reverse current*, Ball pressure*, Leakage current*, publes*, Overvoltage*, Acousic sound pressure*, 130mm / Omm ked rotor/motor armature*, Vibration, Bump, Drop*, Strain relief*, Handle loading*, Liquid overflow*, Spillage*, Liquid leakage*, all mount*, Laser radiation (excluding x-ray)*, Voltage surge*,	IEC 60825-1 2001 IEC 60825-2 2000-5 IEC 60825-4 1997-11 21 CFR 1040.10 IEC 60335-1 1995 (Including AM2 – 1997 & AM 12 – 1997) EN 60335-1 2001	Classification, requirements and user's guide. Safety of laser products – Part 2: Safety of optical communication systems Safety of laser products – Part 4: Laser guards Performance standard for laser products Safety of household and similar electrical appliances Part 1: General requirements	
General test methods: Power input*, Permanence of marking*, Acce measurement*, SELV circuits*, TNV limits*, limitation*, Ring signal*, Humidity condition CTI)*, Limited power measurement*, Groun Applied force*, Steel sphere impact*, Mold st Component abnormal*, Electric strength*, Im flame*, Needle flame*, Hot flaming oil*, Loc Torque*, Insulation resistance*, Sound level* Transformer shorts/overloads**, Rain test*, W Functionality*, Protective impedance abnorm	Limited current*, Capacitor Discharge / voltage ing*, Creepage / Clearance / Distance trun Insulation (excluding I Bond/Earthing*, Ground continuity*, Temperature*, Stability*, ress**, Battery reverse current*, Ball pressure*, Leakage current*, publes*, Overvoltage*, Acoustic sound pressure*, 130mm / 20mm ked rotor/motor armature*, Vibration, Bump, Drop*, Strain relief*, Handie loading*, Liquid overflow*, Spillage*, Liquid leakage*,	IEC 60825-1 2001 IEC 60825-2 2000-5 IEC 60825-4 1997-11 21 CFR 1040-10 IEC 60335-1 1995 (Including AM2 – 1997 & AM 12 – 1997) EN 60335-1 2001 UL 60335-1 1998 CAN/CSA E335-1 1994 UL 61010A-1: 2002	Classification, requirements and user's guide. Safety of laser products – Part 2: Safety of optical communication systems Safety of laser products – Part 4: Laser guards Performance standard for laser products Safety of household and similar electrical appliances Part 1: General requirements Electrical equipment for laboratory use; part 1: General requirements	
General test methods: Power input*, Permanence of marking*, Acce measurement*, SELV circuits*, TNV limits*, limitation*, Ring signal*, Humidity condition CTly*, Limited power measurement*, Grounc Applied force*, Steel sphere impact*, Mold st Component abnormal*, Electric strength*, Im flame*, Needle flame*, Hot flaming oil*, Loc Torque*, Insulation resistance*, Sound level* Transformer short/soverloads*, Rain test*, W Functionality*, Protective impedance abnorm supply abnormal*, Cooling abnormal*, Heatin	Limited current*, Capacitor Discharge / voltage ing*, Creepage / Clearance / Distance thru Insulation (excluding I Bond/Earthing*, Ground continuity*, Temperature*, Stability*, tress*, Battery reverse current*, Ball pressure*, Leakage current*, publes*, Overvoltage*, Acousic sound pressure*, 130mm / 20mm ked rotor/motor armature*, Vibration, Bump, Drop*, Strain relief*, Handle loading*, Liquid overflow*, Spillage*, Liquid leakage*, all mount*, Laser radiation (excluding x-rayy*, Voltage surge*, als*, Capacitor short circuit abnormal*, Output abnormal*, Multing device abnormal*, Interlock abnormal*, Rigidity*, Cleaning*	IEC 60825-1 2001 IEC 60825-2 2000-5 IEC 60825-4 1997-11 21 CFR 1040.10 IEC 60335-1 1995 (Including AM2 – 1997 & AM 12 – 1997) EN 60335-1 2001 UL 60335-1 1298 CAN/CSA 1E335-1 1994	Classification, requirements and user's guide. Safety of laser products – Part 2: Safety of optical communication systems Safety of laser products – Part 4: Laser guards Performance standard for laser products Safety of household and similar electrical appliances Part 1: General requirements Electrical equipment for laboratory use; part 1: General requirements Safety requirements for electrical equipment for	
General test methods: Power input*, Permanence of marking*, Acce measurement*, SELV circuits*, TNV limits*, limitation*, Ring signal*, Humidity condition CTly*, Limited power measurement*, Grounc Applied force*, Steel sphere impact*, Mold st Component abnormal*, Electric strength*, Im flame*, Needle flame*, Hot flaming oil*, Loc Torque*, Insulation resistance*, Sound level* Transformer short/soverloads*, Rain test*, W Functionality*, Protective impedance abnorm supply abnormal*, Cooling abnormal*, Heatin	Limited current*, Capacitor Discharge / voltage ing*, Creepage / Clearance / Distance trun Insulation (excluding I Bond/Earthing*, Ground continuity*, Temperature*, Stability*, tress*, Battery reverse current*, Ball pressure*, Leakage current*, pulse*, Overvoltage*, Acoustic sound pressure*, 130mm / 20mm ked rotor/motor armature*, Vibration, Bump, Drop*, Strain relief*, Handle loading*, Liquid overflow*, Spillage*, Liquid leakage*, all mount*, Laser radiation (excluding x-ray)*, Voltage surge*, al*, Capacitor short circuit abnormal*, Output abnormal*, Multi-	IEC 60825-1 2001 IEC 60825-2 2000-5 IEC 60825-4 1997-11 21 CFR 1040-10 IEC 60335-1 1995 (Including AM2 – 1997 & AM 12 – 1997) EN 60335-1 2001 UL 60335-1 1998 CAN/CSA E335-1 1994 UL 61010A-1: 2002	Classification, requirements and user's guide. Safety of laser products — Part 2: Safety of optical communication systems Safety of laser products — Part 4: Laser guards Performance standard for laser products Safety of household and similar electrical appliances Part 1: General requirements Electrical equipment for laboratory use; part 1: General requirements Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General	
General test methods: Power iputs*, Permanence of marking*, Acce measurement*, SELV circuits*, TNV limits*, limitation*, Ring signal*, Humidity condition CTly*, Limited power measurement*, Grounc Applied force*, Steel sphere impact*, Mold st Component abnormal*, Electric strength*, Im flame*, Needle flame*, Hot flaming oil*, Loc Torque*, Insulation resistance*, Sound level* Transformer short/soverloads*, Rain test*, W Functionality*, Protective impedance abnorm supply abnormal*, Cooling abnormal*, Heatin Product Safety Standards	Limited current*, Capacitor Discharge / voltage ing*, Creepage / Clearance / Distance thru Insulation (excluding I Bond/Earthing*, Ground continuity*, Temperature*, Stability*, tress*, Battery reverse current*, Ball pressure*, Leakage current*, publes*, Overvoltage*, Acousic sound pressure*, 130mm / 20mm ked rotor/motor armature*, Vibration, Bump, Drop*, Strain relief*, Handle loading*, Liquid overflow*, Spillage*, Liquid leakage*, all mount*, Laser radiation (excluding x-rayy*, Voltage surge*, als*, Capacitor short circuit abnormal*, Output abnormal*, Multing device abnormal*, Interlock abnormal*, Rigidity*, Cleaning*	IEC 60825-1 2001 IEC 60825-2 2000-5 IEC 60825-4 1997-11 21 CFR 1040.10 IEC 60335-1 1995 (Including AM2 – 1997 & AM 12 – 1997) EN 60335-1 2001 UL 60335-1 1998 CANICSA E335-1 1994 UL 61010A-1: 2002 EN 61010-1: 2001	Classification, requirements and user's guide. Safety of laser products – Part 2: Safety of optical communication systems Safety of laser products – Part 4: Laser guards Performance standard for laser products Safety of household and similar electrical appliances Part 1: General requirements Electrical equipment for laboratory use; part 1: General requirements Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements	
General test methods: Dower input*, Permanence of marking*, Acce measurement*, SELV circuits*, TNV limits*, limitation*, Ring signal*, Humidity condition CTI)*, Limited power measurement*, Grounc Applied force*, Steel sphere impact*, Mold st Component abnormal*, Electric strength*, Imflame*, Needle flame*, Hot flaming oil*, Loc Torque*, Insulation resistance*, Sound level*, Transformer shorts/overloads*, Rain test*, W Functionality*, Protective impedance abnorm supply abnormal*, Cooling abnormal*, Heatin Product Safety Standards Specific Product Safety Standards	Limited current*, Capacitor Discharge / voltage ing*, Crepage / Clearance / Distance thru Insulation (excluding I Bond/Earthing*, Ground continuity*, Temperature*, Stability*, tress*, Battery reverse current*, Ball pressure*, Leakage current*, publes*, Overvoltage*, Acoustic sound pressure*, 130mm / Omm ked rotor/motor armature*, Vibration, Bump, Drop*, Strain relief*, Handle loading*, Liquid overflow*, Spillage*, Liquid leakage*, all mount*, Laser radiation (excluding x-ray)*, Voltage surge*, als*, Capacitor short circuit abnormal*, Output abnormal*, Multing device abnormal*, Interlock abnormal*, Rigidity*, Cleaning* Title Safety of information technology equipment	IEC 60825-1 2001 IEC 60825-2 2000-5 IEC 60825-4 1997-11 21 CFR 1040-10 IEC 60335-1 1995 (Including AM2 – 1997 & AM 12 – 1997) EN 60335-1 2001 UL 60335-1 1998 CAN/CSA E335-1 1994 UL 61010A-1: 2002	Classification, requirements and user's guide. Safety of laser products – Part 2: Safety of optical communication systems Safety of laser products – Part 4: Laser guards Performance standard for laser products Safety of household and similar electrical appliances Part 1: General requirements Electrical equipment for laboratory use; part 1: General requirements Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements Safety information technology equipment Information Technology Equipment – Safety – Part1:	
General test methods: Power input*, Permanence of marking*, Acce measurement*, SELV circuits*, TNV limits*, limitation*, Ring signal*, Humidily condition CTI)*, Limited power measurement*, Grounc Applied force*, Steel sphere impact*, Mold st Component abnormal*, Electric strength*, Im flame*, Needle flame*, Hot flaming oil*, Loc Torque*, Insulation resistance*, Sound level*, Transformer shorts/overloads*, Rain test*, W Functionality*, Protective impedance abnorm supply abnormal*, Cooling abnormal*, Heatin Product Safety Standards Specific Product Safety Standards UL 60950 2000 IEC 60950 1999	Limited current*, Capacitor Discharge / voltage ing*. Creepage / Clearance / Distance trun Insulation (excluding I Bond/Earthing*, Ground continuity*, Temperature*, Stability*, respective for the continuity*, Temperature*, Stability*, respective for the continuity*, Temperature*, Stability*, respective for the continuity*, Temperature*, Islam p. Drop*, Strain relief*, Handie loading*, Liquid leakage*, all mount*, Laser radiation (excluding x-ray)*, Voltage surge*, all mount*, Laser radiation (excluding x-ray)*, Voltage surge*, all mount*, Laser radiation (excluding x-ray)*, Voltage surge*, all government*, Interlock abnormal*, Rigidity*, Cleaning* Title Safety of information technology equipment Safety of information technology equipment	IEC 60825-1 2001 IEC 60825-2 2000-5 IEC 60825-4 1997-11 21 CFR 1040-10 IEC 60335-1 1997 & AM 12 – 1997) EN 60335-1 2001 UL 60335-1 1998 CAN/CSA E335-1 1994 UL 61010A-1: 2002 EN 61010-1: 2001 AS/NZS 60950: 2000 EN 60950-1: 2001	Classification, requirements and user's guide. Safety of laser products — Part 2: Safety of optical communication systems Safety of laser products — Part 4: Laser guards Performance standard for laser products Safety of household and similar electrical appliances Part 1: General requirements Electrical equipment for laboratory use; part 1: General requirements Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements Safety information technology equipment Information Technology Equipment — Safety — Part1: General Requirements	
General test methods: Power input*, Permanence of marking*, Acce measurement*, SELV circuits*, TNV limits*, limitation*, Ring signal*, Humidity condition CTI)*, Limited power measurement*, Grounc Applied force*, Steel sphere impact*, Mold st Component abnormal*, Electric strength*, Imflame*, Needle flame*, Hot flaming oil*, Loc Torque*, Insulation resistance*, Sound level* Transformer shorts/overloads*, Rain test*, W Functionality*, Protective impedance abnorm supply abnormal*, Cooling abnormal*, Heatin Product Safety Standards **Decific Product Safety Standards** UL 60950 2000 IEC 60950 1999 EN 60950 2000	Limited current*, Capacitor Discharge / voltage ing*, Creapage / Clearance / Distance thu Insulation (excluding I Bond/Earthing*, Ground continuity*, Temperature*, Stability*, tress*, Battery reverse current*, Ball pressure*, Leakage current*, publics*, Overvoltage*, Acoustic sound pressure*, 130mm / 20mm ked rotor/motor armature*, Vibration, Bump, Drop*, Strain relief*, Handle loading*, Liquid leakage*, all mount*, Laser radiation (excluding x-ray)*, Voltage surge*, all mount*, Laser radiation (excluding x-ray)*, Voltage surge*, all*, Capacitor short circuit abnormal*, Output abnormal*, Multing device abnormal*, Interlock abnormal*, Rigidity*, Cleaning* Title Safety of information technology equipment Safety of information technology equipment Safety of information technology equipment, including	IEC 60825-1 2001 IEC 60825-2 2000-5 IEC 60825-4 1997-11 21 CFR 1040.10 IEC 60335-1 1997 & AM 12 – 1997) EN 60335-1 2001 UL 60335-1 1998 CAN/CSA E335-1 1994 UL 61010A-1: 2002 EN 61010-1: 2001 AS/NZS 60950: 2000	Classification, requirements and user's guide. Safety of laser products — Part 2: Safety of optical communication systems Safety of laser products — Part 4: Laser guards Performance standard for laser products Safety of household and similar electrical appliances Part 1: General requirements Electrical equipment for laboratory use; part 1: General requirements Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements Safety information technology equipment Information Technology Equipment — Safety – Part1: General Requirements Information Technology Equipment — Safety – General	
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General test methods: Power input*, Permanence of marking*, Acce measurement*, SELV circuits*, TNV limits*, limitation*, Ring signal*, Humidity condition CTI)*, Limited power measurement*, Grounc Applied force*, Steel sphere impact*, Mold st Component abnormal*, Electric strength*, Imflame*, Needle flame*, Hot flaming oil*, Loc Torque*, Insulation resistance*, Sound level* Transformer shorts/overloads*, Rain test*, W Functionality*, Protective impedance abnorm supply abnormal*, Cooling abnormal*, Heatin Product Safety Standards Ut. 60950 2000 IEC 60950 1990 IEC 60950-1 2001 Ut. 60950-1 2003 Ut. 60950-1 2003 Ut. 60950-1 2001 Ut. 60950-1 2003 CSA C22.2 No. 60950-00	Limited current*, Capacitor Discharge / voltage ing*, Creepage / Clearance / Distance thu Insulation (excluding I Bond/Earthing*, Ground continuity*, Temperature*, Stability*, tress*, Battery reverse current*, Ball pressure*, Leakage current*, publics*, Overvoltage*, Acoustic sound pressure*, 130mm / 20mm ked rotor/motor armature*, Vibration, Bump, Drop*, Strain relief*, Handle loading*, Liquid leakage*, all mount*, Laser radiation (excluding x-ray)*, Voltage surge*, all mount*, Laser radiation (excluding x-ray)*, Voltage surge*, all*, Capacitor short circuit abnormal*, Output abnormal*, Multing device abnormal*, Interlock abnormal*, Rigidity*, Cleaning* Title Safety of information technology equipment Safety of information technology equipment Safety of information technology equipment, including	IEC 60825-1 2001 IEC 60825-2 2000-5 IEC 60825-4 1997-11 21 CFR 1040-10 IEC 60335-1 1995 Chr.luding AM2 – 1997 & AM 12 – 1997) EN 60335-1 2001 UL 60335-1 1998 CAN/CSA E333-1 1994 UL 61010A-1: 2002 EN 61010-1: 2001 AS/NZS 60950: 2000 EN 60950-1: 2001 AS/NZS 60950.1: 2003 UL 61010-1: 2004	Classification, requirements and user's guide. Safety of laser products – Part 2: Safety of optical communication systems Safety of laser products – Part 4: Laser guards Performance standard for laser products Safety of household and similar electrical appliances Part 1: General requirements Electrical equipment for laboratory use; part 1: General requirements Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements Safety information technology equipment Information Technology Equipment – Safety – Part1: General Requirements Information Technology Equipment – Safety – General requirements Electrical Equipment for Measurement, Control and Laboratory Use; Part 1: General Requirements	
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General test methods: Power inputs', Permanence of marking*, Acce measurement*, SELV circuits*, TNV limits*, limitation*, Ring signal*, Humidity condition CTI)*, Limited power measurement*, Ground Applied force*, Steel sphere impact*, Mold st Component abnormal*, Electric strength*, Imflame*, Needle flame*, Hot flaming oil*, Loc Torque*, Insulation resistance*, Sound levely Transformer shorts/overloads*, Rain test*, W. Functionality*, Protective impedance abnorm supply abnormal*, Cooling abnormal*, Heatin Product Safety Standards UL 60950 2000 IEC 60950 1999 IEC 60950 1999 IEC 60950-1 2001 UL 60950-1 2003 CSA C22.2 No. 60950-00 CSA C22.2 No. 60950-10 3 IEC 61010-1 1993 IEN 61010-1 1993, 2001 IEC 61010-1 2001 UL 61010-1 2001 UL 61010-1 2001 UL 61010-1 2001 UL 61010-1 2001	Limited current*, Capacitor Discharge / voltage ing*, Crepage / Clearance / Distance thu Insulation (excluding IB ond/Earthing*, Ground continuity*, Temperature*, Stability*, tress*, Battery reverse current*, Ball pressure*, Leakage current*, publies*, Overvoltage*, Acoustic sound pressure*, 130mm / 20mm ked rotor/motor armature*, Vibration, Bump, Drop*, Strain relief*, Handle loading*, Liquid leakage*, all mount*, Laser radiation (excluding x-ray)*, Voltage surge*, all mount*, Laser radiation (excluding x-ray)*, Voltage surge*, all content of the strain o	IEC 60825-1 2001 IEC 60825-2 2000-5 IEC 60825-2 2000-5 IEC 60825-4 1997-11 21 CFR 1040.10 IEC 60335-1 1995 (Including AM2 – 1997 & AM 12 – 1997) EN 60335-1 2001 UL 60335-1 1998 CAN/CSA E335-1 1994 UL 61010A-1: 2002 EN 61010-1: 2001 AS/NZS 60950: 2000 EN 60950-1: 2001 AS/NZS 60950.1: 2003 UL 61010-1: 2004 UL 60601-1: 2004	Classification, requirements and user's guide. Safety of laser products — Part 2: Safety of optical communication systems Safety of laser products — Part 4: Laser guards Performance standard for laser products Safety of household and similar electrical appliances Part 1: General requirements Electrical equipment for laboratory use; part 1: General requirements Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements Safety information technology equipment Information Technology Equipment — Safety — Part1: General Requirements Information Technology Equipment — Safety — General requirements Electrical Equipment for Measurement, Control and Laboratory Use; Part 1: General Requirements Medical Electrical Equipment - Part 1: General Requirements for Safety Medical Electrical Equipment - Part 1: General Requirements For Safety 1: Collateral Standard: Safety Requirements For Medical Electrical Systems Medical Electrical Equipment - Part 1: General	
General test methods: Power iputs*, Permanence of marking*, Acce measurement*, SELV circuits*, TNV limits*, limitation*, Ring signal*, Humidity condition CTI)*, Limited power measurement*, Ground Applied force*, Steel sphere impact*, Mold st Component abnormal*, Electric strength*, Imflame*, Needle flame*, Hot flaming oil*, Loc Torque*, Insulation resistance*, Sound levely Transformer shorts/overloads*, Rain test*, W. Functionality*, Protective impedance abnorm supply abnormal*, Cooling abnormal*, Heatin Product Safety Standards UL 60950 2000 IEC 60950 1999 IEC 60950 1909 IEC 60950-1 2001 IEC 60950-1 2003 CSA C22.2 No. 60950-00 CSA C22.2 No. 60950-103 IEC 61010-1 1993 IEN 61010-1 1993, 2001 IEC 61010-1 2001 IEC 61010-1 2001 IEC 61010-1 2003	Limited current*, Capacitor Discharge / voltage ing*. Creepage / Clearance / Distance trun Insulation (excluding I Bond/Earthing*, Ground continuity*, Temperature*, Stability*, rerss*, Battery reverse current*, Ball pressure*, Leakage current*, pulse*, Overvoltage*, Acoustic sound pressure*, 130mm / 20mm ked rotor/motor armature*, Vibration, Bump, Drop*, Strain relief*, Handie loading*, Liquid relatege*, Liquid leakage*, all mount*, Laser radiation (excluding x-ray)*, Voltage surge*, all mount*, Laser radiation (excluding x-ray)*, Voltage surge*, all mount*, Laser radiation (excluding x-ray)*, Voltage surge*, all content of the strain of	IEC 60825-1 2001 IEC 60825-2 2000-5 IEC 60825-4 1997-11 21 CFR 1040-10 IEC 60335-1 1997 & AM 12 – 1997) EN 60335-1 2001 UL 60335-1 1998 CAN/CSA E335-1 1994 UL 61010A-1: 2002 EN 61010-1: 2001 AS/NZS 60950: 2000 EN 60950-1: 2001 AS/NZS 60950.1: 2003 UL 61010-1: 2004 UL 60601-1: 2004 UL 60601-1: 2003	Classification, requirements and user's guide. Safety of laser products — Part 2: Safety of optical communication systems Safety of laser products — Part 4: Laser guards Performance standard for laser products Safety of household and similar electrical appliances Part 1: General requirements Electrical equipment for laboratory use; part 1: General requirements Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements Safety information technology equipment Information Technology Equipment — Safety — Part1: General Requirements Information Technology Equipment — Safety — General requirements Electrical Equipment for Measurement, Control and Laboratory Use; Part 1: General Requirements Medical Electrical Equipment, Part 1: General Requirements for Safety Medical Electrical Equipment - Part 1: General Requirements For Safety 1: Collateral Standard: Safety Requirements For Medical Electrical Electrical Electrical Electrical Electrical Electrical Systems Medical Electrical Equipment - Part 1: General Requirements For Medical Electrical Systems Medical Electrical Equipment - Part 1: General Requirements For Medical Electrical Systems Medical Electrical Equipment - Part 1: General Requirements For Medical Electrical Systems Medical Electrical Equipment - Part 1: General Requirements For Medical Electrical Systems Medical Electrical Equipment - Part 1: General Requirements For Section 1-1. I. Collateral	
General test methods: Power input*, Permanence of marking*, Acce measurement*, SELV circuits*, TNV limits*, limitation*, Ring signal*, Humidity condition CTI)*, Limited power measurement*, Grounc Applied force*, Steel sphere impact*, Mold st Component abnormal*, Electric strength*, Im flame*, Needle flame*, Hot flaming oil*, Loc Torque*, Insulation resistance*, Sound level* Transformer shorts/overloads*, Rain test*, W Functionality*, Protective impedance abnorm supply abnormal*, Cooling abnormal*, Heatin Product Safety Standards UL 60950 2000 IEC 60950 2000 IEC 60950 1099 EN 60950 2000 IEC 60950-1 2001 UL 60950-1 2001 UL 60950-1 2001 USAN C22.2 No. 60950-00 CSAN C22.2 No. 60950-103 IEC 61010-1 1993 EN 61010-1 1993, 2001 IEC 61010-1 2001 UL 61010B-1 2003 CAN/CSA 1010-1 1999 (Including AM 2)	Limited current*, Capacitor Discharge / voltage ing*, Creepage / Clearance / Distance trun Insulation (excluding I Bond/Earthing*, Ground continuity*, Temperature*, Stability*, tress*, Battery reverse current*, Ball pressure*, Leakage current*, publes*, Overvoltage*, Acoustic sound pressure*, 130mm / 20mm ked rotor/motor armature*, Vibration, Bump, Drop*, Strain relief*, Handle loading*, Liquid overflow*, Spillage*, Liquid leakage*, all mount*, Laser radiation (excluding x-ray)*, Voltage surge*, all capacitor short circuit abnormal*, Multi- ing device abnormal*, Interlock abnormal*, Rigidity*, Cleaning* Title Safety of information technology equipment Safety of information technology equipment Safety of information technology equipment, including Electrical business equipment. Safety requirements for electrical equipment for measurement, control and laboratory use, Part 1: General requirements. Safety requirements for electrical equipment for measurement, control and laboratory use, Part 1: General requirements. Electrical equipment for laboratory use Part 1: General requirements.	IEC 60825-1 2001 IEC 60825-2 2000-5 IEC 60825-4 1997-11 21 CFR 1040-10 IEC 60335-1 1997 & AM 12 – 1997) EN 60335-1 2001 UL 60335-1 1998 CAN/CSA E335-1 1994 UL 61010A-1: 2002 EN 61010-1: 2001 AS/NZS 60950: 2000 EN 60950-1: 2001 AS/NZS 60950.1: 2003 UL 61010-1: 2004 UL 60601-1: 2004 UL 60601-1: 2003	Classification, requirements and user's guide. Safety of laser products — Part 2: Safety of optical communication systems Safety of laser products — Part 4: Laser guards Performance standard for laser products Safety of household and similar electrical appliances Part 1: General requirements Electrical equipment for laboratory use; part 1: General requirements Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements Safety information technology equipment Information Technology Equipment — Safety — Part1: General Requirements Information Technology Equipment — Safety — General requirements Selectrical Equipment for Measurement, Control and Laboratory Use; Part 1: General Requirements Medical Electrical Equipment, Part 1: General Requirements For Safety Medical Electrical Equipment - Part 1: General Requirements For Medical Electrical Systems Medical Electrical Equipment - Part 1: General Requirements For Medical Electrical Systems Medical Electrical Equipment - Part 1: General Requirements For Medical Electrical Systems Medical Electrical Equipment - Part 1: General Requirements For Safety — Section 1-1. Collateral Standard: Safety Requirements For Medical Electrical	
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Page 13 of 14



vironmental Simulation			Note 1. For standards or methods listed on the scope of accreditation without a revision date,	laboratories are
Test Technology	Test Standard	Supporting Standards	expected to be competent in the use of the current version within one year of the date of publi	
Accessibility*	IEC 60529	IP-0x thru IP-6x	standard test method or upon the date specified by the standard test method originator when the	
Acoustic Noise*	GR-63-CORE Sec 4.6		implementation authority. When a superseded standard or method is required for an accredite	
Airborne Contaminants	GR-63-CORE Sec 4.5	MFG & Hygroscopic Dust	· · · · · · · · · · · · · · · · · · ·	
Altitude	GR-63-CORE Sec 4.1.3		will include the superseded date/version. For those that support the TCB/CB status of the orga-	anization acting
Cold Start*	ETS 300 019	IEC 60068-2-1	as a certifier on behalf of the FCC or IC the expectation is currency within 30 days of Federal	Register
Drip	IEC 60529	IP-x1 & IP-x2	publication of changes for FCC and 30 days after IC website update. This note shall not be co	onstrued as an
Drops*	ETS 300 019	IEC 60068-2-32	Accreditation Body implication to adopt a more current standard than is required in a regulation	
•	GR-63-CORE Sec 4.3			on or code (i.e.
Dust	IEC 60529	IP-5x & IP-6x	the legal requirement) which is adopted by the lab under their responsibility.	
Firearms Resistance Testing	GR-487			
Fire Resistance	ANSI.T1.319		* On-site test service is available for this technology, test, or method.	
The Resistance	GR-63-CORE Sec 4.2	Fire & Needle Flame	-	
Heat Dissipation*	GR-63-CORE Sec 4.1.4	The & recule Fiance		
Illumination	GR-63-CORE Sec 4.7			
Operational Temperature &	GK-03-COKE Sec 4.7			
Humidity (OpTH)*	ETS 300 019	IEC 60068-2-1		
Humanty (OpTH)	E13 300 019	IEC 60068-2-1		
		IEC 60068-2-2 IEC 60068-2-14		
	an a contra	IEC 60068-2-56		
0.1.T. 0.0	GR-63-CORE Sec 4.1.2			
Salt Fog & Spray	ASTM B117			
Spatial*	GR-63-CORE Sec 2.0 & 3.0			
Spraying-Splashing	IEC 60529	IP-x3 & IP-x4		
Storage (Temperature & Humidity)*	ETS 300 019	IEC 60068-2-1		
		IEC 60068-2-2		
		IEC 60068-2-14		
		IEC 60068-2-30		
		IEC 60068-2-56		
	GR-63-CORE Sec 4.1.1			
Vibration	ETS 300 019	IEC 60068-2-6		
		IEC 60068-2-27		
		IEC 60068-2-29		
		IEC 60068-2-32		
		IEC 60068-2-57		
		IEC 60068-2-64		
		Earthquake, Office &		
	GR-63-CORE Sec 4.4	Transportation		
Water Immersion	IEC 60529	IP-x7 & IP-x8		
Water Jet	IEC 60529	IP-x5 & IP-x6		
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