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ATTACHMENT D
ELECTRICAL TEST DATA

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Customer: ES&S (page	of 2)		Temperatur		22.4°F	Start Date: 8-29-2013 Hamidity: 56%
EUT: 4500			Measureme		See Test Poi	1.000 market
Model No.: DS200			Interference		Sec Applied	AND STREET, ST
Serial No.:			Frequency I	BUELLEGEN	N/A	
Test Title Electrostatic E	isruption					
Test Points	Meets Limit		Applied Level	Discharge Type	Times Tested	Comments
TP001: Vertical Coupling Plane	1	7.10	#2,4,8	Contact	10	Fach Side of BUT
TP002 DS200 DS5 Well keyhole	1		±2, 4, 8	Connet	10	Engineery key but clarates
TP003: DS200 From keyhole	1		±2, 4, 8	Contact	10	TDOOL AL TYOOL
TP004 Metal Ballot Box From Upper Right Keybole	V		=2, 4, 1	Contact	30)	
TP005: Metal Ballot Box From Lower Right Keyhole	V		+2,4,1	Contact	(10)	
TP006: Mend Ballet Bea. Top Right-Rear Keybole	V		+2, 4, 8	Connec	10	
TPOOT: Metal Stallet Des Hight Ballet Box Door Keyhala	V		+2, 4, fi	Contact	30	
TP008: Mutal Hallet Box Above Right Bullot Deser	V		±2, 4, 8	Contact.	10	
TP609: Matal Batter Box Front Above the Austliney Star	1		±2, 4, 8	Contact	10	
TP010: Metal Bidler Box Back Upper Center	V		=2, 4, 8	Contact	10	
TP011: Metal Ballot Box Above Left Ballot Box Door	2		22,4,8	Conner	10	
TP012: Metal Hallot Box Left Hallot Box Doint Keybole	1		92,4,8	Contact	10	
17913: D5200 Modem Door Keyfeile	1		±2, 4, 8	Consut	10	
TP014: DS200 Track Cover Lett Roar	0		=2, 4, 3, 15	Air	10	
TP015: DS200 Truck Cover Lata From	V		≥2,4,8,15	Air	10	
TP016: DS200 Track Cover Night Front	V		=2, 4, 8, 15	Air	10	
17017: D6700 Truck Cover Right Ricar	V		12,1,1,15	2680	- 10	
TP018: D8200 Hallot Track Front Conta	1		+2, 4, 8, 15	Air	10	
THEFO DISJON Screen Frame Francisco Latt Ton Corner Interior	V		42, 4, 8, 15	Air	10	
Ave CV VI	00				100	
lotice of Anomaly:	0			Tested	By: fly	Technician
Vitness:				Appro	ved: Type	ACCONT Date: 08/29/201

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laboratories			DATA	SHE	EI	Start Date:	8-29-2013		
Customer: ES&S (Page	2 of 2)		Temperatur	e:	22.4F	Humidity:	Humidity: 56%		
EUT: 4500			Measuremen	nt Point:	See Test Points Bi	low			
Model No.: DS200			Interference	Signal:	See Applied Signa	oplied Signal			
Serial No.: Test Title Electrostatic Di	isruption	i.	Frequency I	Range:	N/A				
Test Points	Meets Limit			Discharge		Commen	Comments		
(17.000.017.000)	Yes	No	(kV)	Type	Tested	Commen	10:		
TP920: DS200 Seroon Frante Front- face Left Top Comm Exterior	V		+2, 4, 8, 85	Air	10				
TP021: DS200 Screen France From- face Top-Span	V		±2, 4, 8, 13	Air	10				
TP022 DS200 Screen Frame From- face Top Right Corner	V		-2, 4, 8, 15	Air	10				
TP023: DS200 Scroon Top Right Corner	1		+2, 4, 8, 15	Air	10				
1902a: DS200 Screen Top Might- Conter	1		12.4. C IS	(6)(30				
11925: 178200 Sareen Top Left- Conner	1		12, 4, 1, 15	Aic	10				
19026: ISS200 Sesect Top Latti Cuttier	1		12, 4, 8, 15	Air	10				
179027: DS200 Screen Middle Left Side	1		42, 4, 8, 15	Air	10				
1902#: \$18200 Screen Middle Juli- Center	1		±2, 4, R, 15	Air	10				
T9629: 135200 Surean Middle Right-Cunter	1		#2, 4(4, 15	Air	10				
TINDO: DS 200 Scient Midule Right Side	1		12,4,8,15	Air	10				
TP031: DS200 Screen Lanear Right. Corner	1		+2, 4, 8, 15	Air	10				
TP012: El6200 Screen Lower Middle-Rogin	V		+2.4.8.17	39B)	10				
TP031: D5200 Screen Lawer Left Corner	V		43.4.4.35	Air	20				
19034: 125200 USO Door Rear 19035: 125200 Screen France Left-	1		+2, 4, 8, 15 +2, 4, 8, 15	Air	10				
foce	1		2-3/12/0	Air.	10				
TP036: DS200 Modem Dvor Roar	V		12(4, 8, 18	Air	10				
TP037, DS200 Base Cover Front Contac	V		22, 4, 8, 15	Air	10				
TP03R: DS200 Rain Cover Right Front	1		±2, 4, 8, 15	Air	10				
19039: DS200 Rear Cover Back	V		12; 4; 8, 15	Air	70				
Notice of Anomaly:	0			Testec	By: Apr Me	Date	08/21/200		
Vitness:				Appro	ved: Rye Jack	(A) Date:	08/29/2013		

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California Instruments Corp. Data entry mode: Absolute

No.	Туре	Time (s)	Volt
1	V Step	60.000	120.0
2	V Step	0.020	84.0
3	V Step	60.000	120.0
4	V Step	0.100	48.0
5	V Step	60.000	120.0
6	V Step	1.000	48.0
7	V Step	60.000	120.0
8	V Step	5.000	6.0
9	V Step	60.000	120.0
10	V Step	1.000	102.0
11	V Step	60.000	120.0
12	V Step	1.000	138.0
13	V Step	60.000	120.0
14	V Step	14400.000	129.0
15	V Step	60.000	120.0
16	V Step	14400.000	105.0
17	V Step	60.000	120.0
18	Empty		***************************************

Transient List: <NEW>

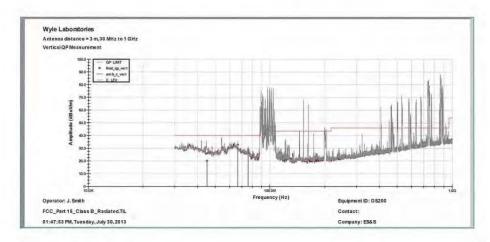
Printed on: Friday, July 26, 2013 9:50:02 AM

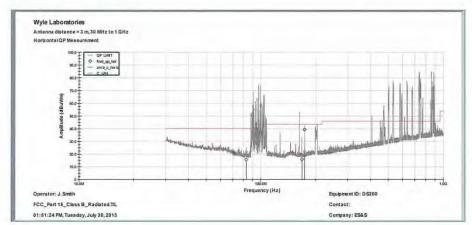
Page #1

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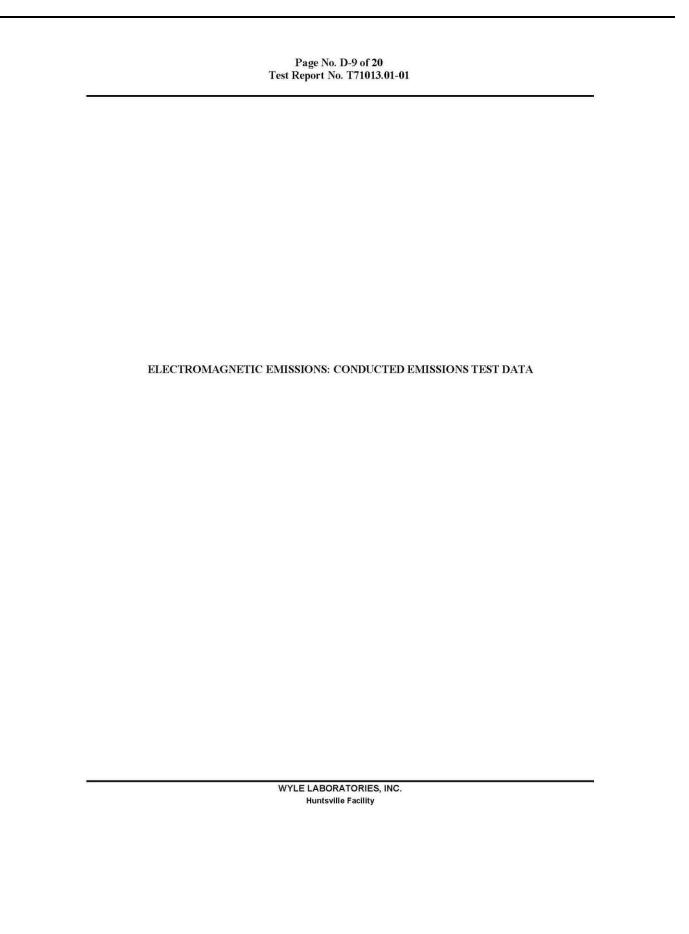


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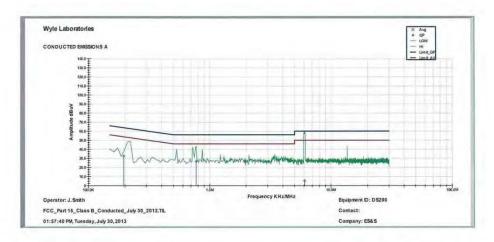


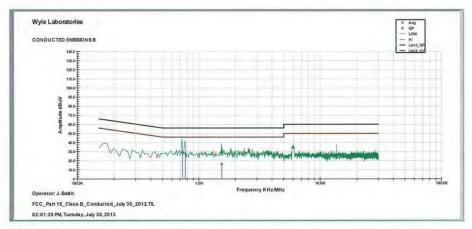


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Customer:		ESA		Temperature 21.7° C		Humidity:	49,9%	
EUT:		DS20	A I C	nperature: asurement Point:		T @ All Four Sides		
Model No.:		DS20		erference Signal:		Khz @ 80% AM		
Serial No.:	D	S03133	2000	quency Range:		80Mkg to 1Ghz		
est Title EN	61000-	4-3 (Ele	ciromagnetic Suscep	A STATE OF THE STA				
Test Frequency	Meets	Limit	Susceptibility Threshold Level	insceptibility Maximum Signal Applied Applied		Comments		
)kHz (X)MHz ()GHz	Yes	No	()A ()V ()kV ()dBµA ()dBµA	(X)V/m ()Vrms ()dBµV/m ()dBpT	Continents			
80	×		>10	10	1	ertical and Horizont	al	
1	4		1	1		1		
1,000	X		>10	10	,	ertical and Horizons	al	
tice of Anumaly:				Tested By:	1	Dates	8 (23/1	
fness:				Approved:	Ryon Jante	Date:	08/23/201	

Page No. B-98 of 126 Test Report No. T71352.01-01

Page No. D-13 of 20 Test Report No. T71013.01-01 ELECTRICAL FAST TRANSIENT TEST DATA WYLE LABORATORIES, INC. **Huntsville Facility**

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- Carlon Control		ESA		Temperatures 21.7° C			and the contract of	20.220
Customer: EUT:	_	DS20	1	Temperature:			Humidity: Comments Below	50.1%
Model No.:		DS26	4	Transferment came			gnal Applied @ 5/5	OnS.
Serial No.:	D	5031338			iency Range:		st Frequencies Bei	
est Title EN	61000	4-4 (Ele	etrical Fast Transie					
Test Frequency	Meets	Limit	Susceptibility Threshold Leve		Maximum Signal			
(X)kHz ()MHz ()GHz	Ves	No	()A ()V (X)A ()V (X)&V ()V/m ()Vrins BµA ()dBµV ()dBµV/m ()dBpT		Comments		
.060	х		>1		7.		Line to Neutral	
.060	1		4:		1		Line to Ground	
.060	X		>1		1		Neutral to Ground	
otice of Anomaly:					Tested By;	Lynd Uar	Date:	7/34/13 67/24/2013

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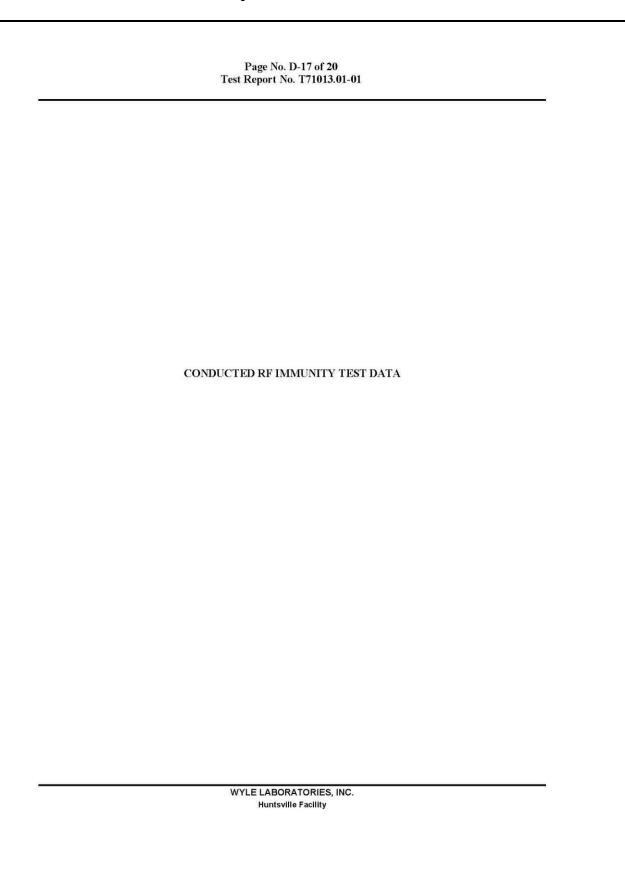


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Customer:		ES&	ter	Temperature: 21.9° C			53.6%	
EUT:		DS20	0	asarement Point:		Comments Below	0010	
Model No.:	n	803133	TANKA TANKA	erference Signal: quency Range:		nal Applied @ 1.2/ st Frequencies Bel		
est Title EN	61000	4-5 (Lig	htning Surge Test)					
Test Frequency	Meets	1,imit	Susceptibility Threshold Level	Maximum Signal Applied				
(X)kHz ()MHz ()GHz	Yes	No	()A ()V (X)k ()dВµА ()dВµV	V ()V/m ()Vrms ()dBµV/m ()dBpT	Comments			
-060	X		>.5	.5	Line to Ne	utral @ 0°, 90°, 180	o, and 270°	
.060	+		4	1	Line to Gro	нилd @ 0°, 90°, 180)", and 270"	
.060	х		>.5	.5	Neutral to G	round @ 0°, 90°, 18	80", and 270"	
.060	х		>1	1	Line to Ne	itral (il) 0°, 90°, 180	", and 270°	
.060	+		1	4	Line to Gro	and @ 0°, 90°, 180	", and 270°	
.060	х		> 1	I.	Neutral to Gr	Neutral to Ground @ 0°, 90°, 180°, and 270°		
.060	x		>2	2	Line to Neu	itral @ 0", 90", 180	". and 270"	
.060	4		4	1	Line to Ground @ 0°, 90°, 180°, and 270°			
.060	x		>2	2		ound @ 0", 90°, 18		
tice of Anomaly:	Cley		1 12	Tested By-	Lyan J Chu Project En	Date:	07/22/ 07/22/2013	

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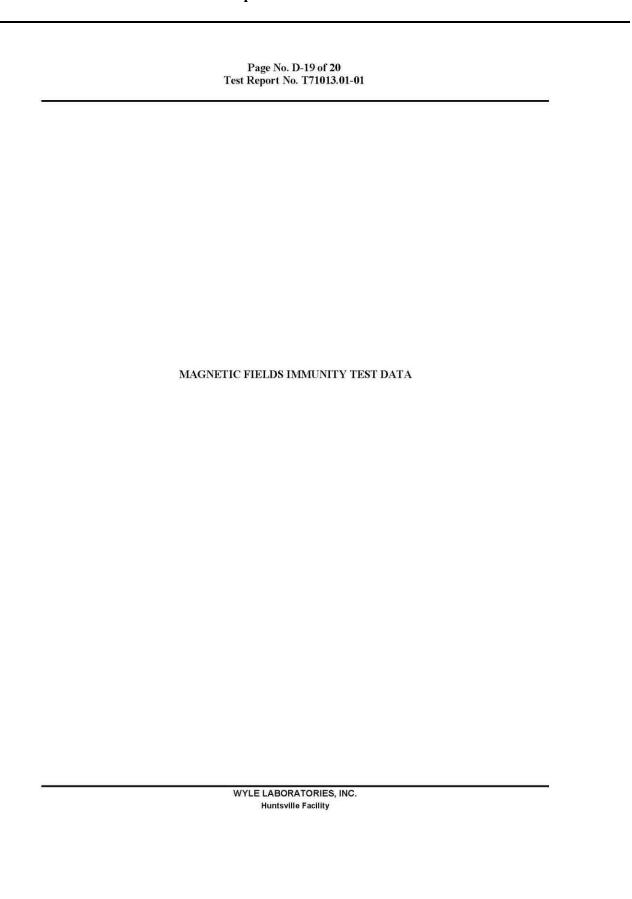


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Inbo	matorie	S		TA SHEET		Start Date:	29 Jul 13	
Customer:		ES&S		perature;	22.4° C	Humidity:	44.5%	
EUT:	-	DS20	Mea	surement Point:		See Comments Below		
Model No.: Serial No.:	D	503133	Inter	Interference Signal:		Khz @ 80% AM 50Khz to 80Mhz		
	-	3052.05 80	nducted RF Immunity	uency Range:		SOKIIZ to SOMIIZ		
Test Frequency	Meets	Limit	Susceptibility	Maximum Signal				
0.73-0.77.31.111.74.1			Threshold Level	Applied		Comments		
()kHz (X)MHz ()GHz	Yes	No		()V/m ()Vrms ()dBµV/m ()dBpT				
.150	X		>10	10		AC Input		
B0	1		1	4		1		
otice of Anomaly: //itness:/	V.J.A.	ø		Tested By:	Technic	Date:	07/29/1 07/29/201 1 of 1	

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		ESAS			22.1° C	D	in mar	
Customer:	DS200			remperature.		Humidity: Comments Below	49.9%	
Model No.z	DS200 DS0313350009 EN 61000-4-8 (Magnetic Field Intr		791	Measurement Point: Interference Signal: Frequency Range:		a Period of 5 Min	utes	
Serial No.:			Salar Salar			est Frequencies Bel	1000	
est Title EN								
				M/W				
Test Frequency	Meet	Limit	Susceptibility Threshold Level	Maximum Signal Applied		Comments		
(X)kHz ()MHz ()GHz	Yes	No	(X)A ()V () ()dBµA ()dBµN	kV ()V/m ()Vrms V ()dBµV/m ()dBpT		Commens		
.060	X		>30 A/m	30 A/m	El	EUT on X, Y, and Z Axis		
		-						
				1				
						-		
otice of Anomaly:		0		7.000000047-000	100	Date	07/29/	
		1A		Tested By	La Jechy	icium	1.1	
itness:	10	1.11		Approved	Project E	Date:	07/28/201	