

OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR OSHPD SPECIAL SEISMIC	OFFICE USE ONLY
CERTIFICATION PREAPPROVAL (OSP)	APPLICATION #: OSP-0043
OSHPD Special Seismic Certification Preapproval (OSP)	
Type: New X Renewal	
Manufacturer Information	
Manufacturer: ABB (formerly GE)	
Manufacturer's Technical Representative: Travis Ledford	
Mailing Address: 6801 Industrial Drive, Mebane, NC 27302-2372	
Telephone: (919) 563-7610 Email: travis.ledford@u	s.abb.com
Product Information	MD,
Product Name: Switchgear/Switchboards	T
Product Type: Switchgear - Low Voltage	- C
Product Model Number: See Certified Product Matrix	
General Description: ABB Entellisys, AKD-10, AKD-20 Low Voltage Swit	chgear in light gauge sheet metal framed enclosures
Mounting Description: Rigid, Floor Mounted	
Tested Seismic Enhancements: None DATE: 09/27/2021	
<u> </u>	0. 20
Applicant Information	e v
Applicant Company Name: WE Gundy & Associates, Inc	ODE
Contact Person: Travis Soppe	
Mailing Address: PO Box 9121, Boise, ID 83707	
Telephone: (208) 342-5989 Email: tsoppe@wegai.c	om
Title: President	

STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY

OSP-0043

OSHPD



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)					
Company Name: W.E. GUNDY & ASOCIATES IN	IC.				
Name: Travis Soppe	California License Number: S6115				
Mailing Address: P.O. Box 9121, Boise, ID 83707					
Telephone: (208) 342-5989	Email: tsoppe@wegai.com				
Certification Method					
GR-63-Core X ICC-ES AC156	☐ IEEE 344				
Other (Please Specify):					
	-OR CODE CO				
Testing Laboratory	OF MD,				
Company Name: CLARK TESTING LABORATOR	RY, INC. SHPD				
Contact Person: Devon Lohr					
Mailing Address: 1801 Route 51 South, Jefferson	Hills PA 15025				
Telephone: (412) 387-1027	Email: dlohr@clarktesting.com				
Company Name: WYLE LABORATIORIES					
Contact Person: Don Smith	ATE: 09/27/2021				
Mailing Address: 7800 Highway 20 West, Huntsvi	lle AL 35806				
Telephone: (256) 837-4411	Email: Don.smith@wyle.com				
	NA BUILDING COV				





OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

Seismic Parameters

Desig	n Basis of Equipment or Components	s (Fp/Wp) =	1.0g for SDS = 1.33	with z/h = 1.0 a	and 0.96g for SDS = 2.13 with $z/h = 0$
	SDS (Design spectral response acce	eration at sh	ort period, g) = 1.33 (z/h = 1), 2.13 (z/h = 0)
	ap (Amplification factor) =	2.5			
	Rp (Response modification factor) =	6.0			
	Ω_0 (System overstrength factor) =	2.5			
	Ip (Importance factor) =	1.5			
	z/h (Height ratio factor) =	1 and 0			
	Natural frequencies (Hz) =	See attach	ment		
	Overall dimensions and weight =	See attach	ment CODF oc		
OSH	PD Approval (For Office Use Only	/) - Approv	al Expires on 09/30	120272	
Date:	9/27/2021		OSP-0043	m	
Name	e: William Staehlin			Title:	Senior Structural Engineer
Speci	al Seismic Certification Valid Up to: S	DS (g) = Se	e Above	z/h =	See Above
Condi	tion of Approval (if applicable):	DATE	09/27/2021		
		IL IFORNI	A BUILDING C	JDE-201	

"Access to Safe. Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"

STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY

OSHPD

ABI C	WEGAI W.E. GUNDY & ASSOCIATES, INC. STRUCTURAL & EARTHQUAKE ENGINEERING						
Identification ¹	Description	NEMA ²	Width (in)	Depth (in)	Height (in)	Weight (lbs)	Representative UUT ^{4,5}
Seismic	c Certification Limitations ³ - S _{DS} = 1.3	53 at z/h =	= 1.0 an	d S _{DS} =	2.13 at	z/h = 0.0	
Entellisys-AT	Auxilliary / Transition	1	30	30	92	1100	UUT _a -1
Entellisys-AT	Auxilliary / Transition	1	30	30	92	1072	UUT _g -1
AKD-10 / AKD-20 (Entellisys)-AT	Auxilliary / Transition	1, 3R	22 - 38	54-83	78-96	850 - 1600	interpolated
Entellisys-AT	Auxilliary / Transition	⁵ 51CC	22	60	92	870	UUT _c -1A
AKD-10-AT	Auxilliary / Transition	3R	30	69	110	1875	UUT _d -2A
AKD-10-AT	Auxilliary / Transition	3R	38	69	110	2375	UUT _d -2B
AKD-10-UM	Auxillary / Utility Metering	1	49	74	107	4165	UUT _e -2B
AKD-10-1H	(1) 4000A Breaker OSP-(0043	38	67	107	2550	UUT _e -1B
AKD-10-1H	(1) 5000A Breaker	1.00.00	38	74	107	2435	UUT _e -2A
AKD-10 Entellisys-1H	(1) 4000A Breaker	Stach	30	60	92	2435	UUT _c -1B
AKD-10 Entellisys-1H	(1) 2000A Breaker	Olden	30	60	84	2435	UUT _f -1B
AKD-10 / AKD-20 (Entellisys)-1H	(1) 800A to 5000A Breaker	1, 3R	<mark>22-3</mark> 8	60-74	78-92	1750-2820	interpolated
AKD-10 / AKD-20 (Entellisys)-2H	(2) 800A to 5000A Breakers E: 09/27	/4,3R	22-38	60-74	78-92	1750-3625	interpolated
AKD-10 Entellisys-2H	(1) 800A and (1) 2000A Breaker	1	22	260	92	1784	UUT _c -1C
AKD-10 Entellisys-2H	(1) 800A and (1) 2000A Breaker	1	22	60	84	1784	UUT _f -1A/C
AKD-20-2H	(1) 4000A and (1) 5000A Breaker	1	38	54	96	3613	UUT _d -1B
AKD-10 / AKD-20 (Entellisys)-3H	(3) 800A to 5000A Breakers	1, 3R	22-38	60-74	78-92	1750-2500	interpolated
AKD-10-4H	(2) 1600A and (2) 2000A Breakers UI	DING	22	67	107	1870	UUT _e -1A
AKD-10 / AKD-20 (Entellisys)-4H	(4) 800A to 5000A Breakers	1, 3R	22-38	60-74	78-92	1750-2875	interpolated
AKD-20-4H	(2) 1200A and (2) 3200A Breakers	1	22	54	96	2869	UUT _d -1A

General Notes:

^{1.} All components are manufactured by ABB, Inc. unless noted. The part numbers listed uniquely identyf the type of component, manufacturer, and material of construction for each sub-component with the tested units.

^{2.} NEMA 1/3R enclosures are constructed of carbon steel.

^{3.} The maximum seismic certification limits presented for the product lines are limited to the maximum achieved seismic level of the tested units. Some units achieved higher seismic ratings however the product line is limited to the lowest seismic rating.

⁴ Standalone sections of switchgear are not seismically certified. A minumum of 2 mated sections is required for seismic certification.

Subscript indicates the test report in which the units were qualified:

_a - 8387, _c - 8001, _d - 14-0033, _e - 53022-1, _f - 6938, _g-16095

ABB INC. LOW VOLTAGE SWITCHGEAR CERTIFIED SUBCOMPONENT MATRICES



nufacturer EntelliG GE	Description uard G (EGG) Circuit Breakers EGG Frame I 800A - 1200A	Weight (lbs)	Representative UUT ¹
	EGG Frame I 800A - 1200A		
GE		114	
GE		114	extrapolated
GE	EGG Frame I 1200A	114	UUT _d -1
GL	EGG Frame I, II, III 1200A - 5000A	114-336	interpolated
	EGG Frame III 4000A	336	UUT _d -1
Wave	ePro (WE) Circuit Breakers		
	WE 800A - 1600A	225-285	extrapolated
	WE 1600A	285	UUT _e -1
CE	WE 1600A - 4000A	285-545	interpolated
GE	WE 4000A	545	UUT _e -1
	WE 4000A - 5000A	545-610	interpolated
NE	WE 5000A	610	UUT _e -2
Entelli	Guard (EG) Circuit Breakers		
	EG 800A	137	UUT_c-1 / UUT_f-1
C T	OSPEG 800A - 4000A	137-271	interpolated
GE	EG 2000A	203	$UUT_{f}-1 / UUT_{c}-1$
B	Y: William SEG 4000A	271	UUT _c -1
Sur	ge Protective Device (SPD)	••	
	ATE: 09/27/2021	24	UUT _d -2
		24	interpolated
GE	IVSS-GE HE Series 480VAC L-L 2//	24	interpolated
	VAC L-IN	24	interpolated
	PAU CODY	24	UUT _d -2
Tran	sformers (copper windings)		
	CPT, 5kVA 480/240-240/120	70	extrapolated
	CPT, 5kVA 600-240/120	75	extrapolated
	CPT, 5kVA 380/400/416-100/120	85	extrapolated
	CPT, 7.5kVA 480/240-240/120	110	UUT _d -2
ΑΓΓ	CPT, 10kVA 480/240-240/120	125	interpolated
	CPT, 15kVA 480/240-240/120	165	interpolated
	CPT, 25kVA 240/480-120/240	255	interpolated
	CPT 30kVA 480/240-240/120	335	UUT _d -2
	GE Entelli GE GE	WavePro (WE) Circuit Breakers WE 800A - 1600A WE 800A - 1600A WE 1600A WE 1600A - 4000A WE 4000A - 5000A WE 4000A - 5000A WE 5000A WE 5000A WE 5000A WE 6000A WE 5000A WE 6000A WE 5000A WE 6000A WE 7000A WE 8000A WE 9000A WE 9000A <	WavePro (WE) Circuit Breakers 225-285 WE 800A - 1600A 285 WE 1600A 285 WE 1600A - 4000A 285-545 WE 4000A - 5000A 545 WE 4000A - 5000A 545 WE 4000A - 5000A 610 EntelliGuard (EG) Circuit Breakers GE EG 800A - 4000A 137 GE EG 800A - 4000A 203 VIII M EG 4000A 203 271 Surge Protective Device (SPD) GE 24 TVSS-GE HE Series 480VAC L-L 277 24 VAC L-N 24 Querter Vindings) CPT, 5kVA 480/240-240/120 GE CPT, 5kVA 480/240-240/120 70 CPT, 5kVA 480/240-240/120 QUERT, 5kVA 4

General Notes:

Subscript indicates the test report in which the units were qualified:

_a - 8387, _c - 8001, _d - 14-0033, _e - 53022-1, _f - 6938, _g - 16095

ABB INC. LOW VOLTAGE SWITCHGEAR CERTIFIED SUBCOMPONENT MATRICES



Manufacturer	Description	Weight (lbs)	Representative UUT ¹
Transfor	mers (copper windings) - continued		
	Control Power Transformer 0.05-1kVA	18	extrapolated
CE	Control Power Transformer 1kVA	18	UUT _e -1
GE	Control Power Transformer 1-5kVA	52	interpolated
	Control Power Transformer 5kVA	69	UUT _c -1
	Control Power Transformer	8	UUT _a -1
		6	extrapolated
		8	UUT _c -1
GE ITI	Comment Trees of one of	8	interpolated
	Current Transformer	12	UUT _c -1
	FURCODECON	14	UUT _f -1
N.	e Andrew Contraction	15	UUT _c -1
4	OSHPD 7	5	UUT _d -1
Amran	OSPCurrent Transformer	6	interpolated
		9	interpolated
		10	UUT _d -1
GE Multilin	Inst./Trans. INC 3PH PT 288/120V 100VA	24	UUT _e -1
DUFRANE	Multi Ratio CT 8000/6400/6000/5000:0.8A	12	UUT _e -2
	DATE 09/27/2021	8	UUT _d -2
		8	interpolated
T		8	interpolated
		8	interpolated
		8	interpolated
	Auxiliary rower transformer 1 PH-500VA	8	interpolated
		8	interpolated
CE ITI		8	interpolated
UE III		8	interpolated
		8	UUT _d -2
		24	UUT _d -2
		24	interpolated
	Down Transformer 2011 100174	24	interpolated
	Power Transformer 3PH-100VA	24	interpolated
		24	interpolated
		24	UUT _d -2
	Transform GE GE ITI Amran GE Multilin DUFRANE	Transformers (copper windings) - continued Control Power Transformer 0.05-1kVA Control Power Transformer 1kVA Control Power Transformer 1.5kVA Control Power Transformer 1.5kVA Control Power Transformer 1.5kVA Control Power Transformer 5kVA Control Power Transformer 5kVA Control Power Transformer GE ITII Current Transformer Amran OSCUrrent Transformer Multilin Inst. Trans. INC 3PH PT 288/120V 100VA DUFRANE Multi Ratio CT 8000/6400/6000/5000:0.8A Auxiliary Power Transformer 1 PH-500VA	Manufacturer Description (Ibs) Transformers (copper windings) - continued Control Power Transformer 0.05-1kVA 18 GE Control Power Transformer 1.5kVA 52 Control Power Transformer 1.5kVA 69 Control Power Transformer 5kVA 69 Control Power Transformer 5kVA 69 Control Power Transformer 5kVA 69 GE ITI Current Transformer Ge GE ITI Current Transformer OSCUrrent Transformer 10 6 GE Multilin Inst. Trans. INC 3PH-PT 288/120V 100VA DUFRANE Multi Ratio CT 8000/6400/6000/5000:0.8A 12 8 Auxiliary Power Transformer 1 PH-500VA 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8

General Notes:

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		AGE SWITCHGEAR PONENT MATRICES	W.E. GU	EGAI NDY & ASSOCIATES, INC AL & EARTHQUAKE ENGINEERIN
ID/Catalog Number	Manufacturer	Description	Weight Representat (lbs) UUT ¹	
	Transforr	ners (copper windings) - continued	1	
450-069			25	extrapolated
450-120			25	extrapolated
450-208			25	extrapolated
450-240			25	extrapolated
450-277		Auxiliary Power Transformer 69/120V-	25	extrapolated
450-288	GE ITI	600/120V	25	extrapolated
450-300			25	extrapolated
450-346	1		25	extrapolated
450-480	1	0000	25	UUT _d -2
450-600		FOR CODE COM	25	UUT _d -2
		Communication	<u> </u>	u
VTPC150P	Vartech		21	UUT _d -2
MPC-2197Z	Moxa	HMI	17	UUT _g -1
DSP-DFM	I-GARD	OSP-Feeder Module	1	UUT _d -2
C693ACC305	GE Fanuc	EEPROM for PLC	5	UUT _e -2
IC693CPU311	GE Fanuc	w William StattClin	5	UUT _e -2
IC693PWR321	GE Fanuc	PLC Power Supply	5	UUT _e -2
A0126571	GE	NETSCREEN 5GT (VPN)	2	UUT _f -1
0239C4231G001			17	UUT _a -1, UUT _g -
0239C4231G002	CPLI	5	17	interpolated
0239C4231G003			17	interpolated
0239C4231G004			17	interpolated
0239C4231G005	ETS	64-128 point I/O system CPU	17	UUT _a -1
0239C4231G006		SOILDR'S	17	extrapolated
0239C4231G007			17	extrapolated
0239C4231G008	1		17	extrapolated
0239C4231G009			17	extrapolated
• • • •	L	Auto Charge Trip Devices	1 1	r , a
CTDB-6-120		120 VAC Input	1	UUT _d -2
CTDB-6-240	GE ITI	240 VAC Input	1	UUT _d -2
	Po	ower Management Systems	<u> </u>	u
PLZOOMG01		Modbus Concentrator	4	UUT _e -1
0122B5103G001	~~	VH3000UL	75	UUT _a -1, UUT _g -
UPS25511	GE	VH1000UPS	50	UUT _d -2
UPS25513	1	VH2000UPS	70	UUT _d -2
General Notes:		~ ~		u

ABB INC. LOW VOLTAGE SWITCHGEAR
CERTIFIED SUBCOMPONENT MATRICES



			STRUCTUR	
ID/Catalog Number	Manufacturer	Description	Weight (lbs)	Representative UUT ¹
		Power Supplies		
SWS50-5		50W	1	UUT _f -1
SWS***	Lambda	50-150W	2	interpolated
SWS150-12		150W	2	UUT _c -1
А11-С21306-Е	American Solenoid	33W Switch, POS SW	1	UUT _c -1
PLPS4G01	GE	PL	6	UUT _e -1
RWS150B-24	Lambda	150W	1	UUT _g -1
		Relays		
70G-IAC5		I/O input relay	1	UUT _f -1
70G***	Grayhill	I/O input relay	1	interpolated
70G-ODC5R	Glayiiii	I/O input relay	1	UUT _f -1
70GRCK16I-DIN	NE	Relay block 16 channel	1	UUT _f -1
RL4RA022TJ		C2000 Aux 120V	1	UUT _e -2
HEA61A223-X2	GE	High Speed Multi Conctact	2	UUT _d -2
HEA61*	GE	High Speed Multi Conctact	4	interpolated
HEA62C238-X2		High Speed Multi Conctact	8	UUT _d -2
BE3-47N-3S4N2	B	Phase Balance, 3PH 3 Wire 208VAC	1	UUT _d -2
BE3-27-1A1N2	Basler	Phase Balance	1	interpolated
BE1-47NE5FE1PC3T3F	Basier	Negative SEQ Voltage 3PH 208V	14	UUT _d -2
BE1-700-N4N3X1N		Digital Voltage 3PH Sensing	4	UUT _d -2
2966650	Phoenix Contact	I/O input relay	0.1	UUT _g -1
2688349	(A)	16 Output Module	0.3	UUT _g -1
2688310		16 Input Module	0.4	UUT _g -1
2701815		A BUII Bus Coupler	0.5	UUT _g -1
		Fuses	-	
0T3		3A	1	UUT_e -1 / UUT_e -2
AJT3		3A	1	UUT _e -1
0T10		10A	1	UUT_{e} -1 / UUT_{e} -2
AJT20		20A	1	UUT _e -2
ATM15	Mersen	15A 600VAC/500VDC	1	UUT _e -1
TR30R		Trionic	1	UUT _e -2
A4J6		6A	1	UUT _c -1
AJT25		25A	1	UUT _c -1
TR40R		Trionic	1	UUT _c -1

General Notes:

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		AGE SWITCHGEAR PONENT MATRICES	W.E. GU STRUCTUR	IEGAI
ID/Catalog Number	Manufacturer	Description	Weight (lbs)	Representative UUT ¹
		Fuses-con'td		
H25030-1S		Fuse Block	1	UUT _e -1
HPS		Fuse Block	1	UUT _e -1 / UUT _e -
5149-2	Bussman	Fuse Block	2	UUT _c -1
5149-3		Fuse Block	2	UUT _c -1
PFS-3311	Challenger	Fuse Block	1	UUT _e -2
	8	Neutral Sensor Frames	_	C
)173B5112P001		Frame I 400A	1	extrapolated
)173B5112P002		Frame I 600A	1	extrapolated
)173B5112P003		Frame I 800A	1	extrapolated
)173B5112P004		Frame I 1000A	1	extrapolated
)173B5112P005	JE	Frame I 1200A	1	UUT _d -1
0173B5112P006		Frame I 1600A	1	interpolated
0173B5112P007	Amran	Frame I 2000A	1	UUT _d -1
)173B5113P001	L'HAN	OSP-Frame II 400A	1	interpolated
)173B5113P002		Frame II 600A	1	interpolated
0173B5113P003	B	Y William Frame II 800A	1	interpolated
)173B5113P004		Frame II 1000A	1	interpolated
)173B5113P005		ATE 09/2 Frame II 1200A	1	interpolated
	Nei	itral Sensor Frames - cont'd		
)173B5113P006	T	Frame II 1600A	1	interpolated
)173B5113P007		Frame II 2000A	1	UUT _d -1
)173B5113P008	Amran	Frame II 2500A	1	extrapolated
)173B5113P009		BUII Frame II 3200A	1	extrapolated
		Accessories		
)209B4841G009		ET16 120VAC/125VDC	1	UUT _e -1
)139C4970G164	GE ITI	MVT Neutral Sensor 600-1600A	2	UUT _e -1
)139C4970G165	ULIII	MVT Neutral Sensor 800-2000A	2	UUT _e -1
)239B6136G001		Voltage conditioner 120VAC door	1	UUT _e -1
ETSMSGR00		Breaker Messenger	8	UUT _c -1
6SB1B11X2	GE	SB1 Control/Transfer Switch - PCB Cont. SW 1 STG	2	UUT _e -1
6SB1***	UE	SB1 Control Switch	2	interpolated
6SB1UB202LSM2V		SB1 Control Selector Switch 2 pos/16 stg.	8	UUT _d -1

 $_{\rm a}$ - 8387, $_{\rm c}$ - 8001, $_{\rm d}$ - 14-0033, $_{\rm e}$ - 53022-1, $_{\rm f}$ - 6938, $_{\rm g}$ - 16095

ABB INC. LOW VOLTAGE SWITCHGEAR
CERTIFIED SUBCOMPONENT MATRICES



ID/Catalog Number	Manufacturer	Description	Weight (lbs)	Representative UUT ¹		
Accessories - cont'd						
3100365103A001	Rigel Engineering	CPU	5	UUT _g -1		
EDR-810	Moxa	Firewall	2	UUT _g -1		
SDS-3008-T	Moxa	Ethernet Switch	1	UUT _g -1		
508TX	N-Tron	Ethernet Switch	2	UUT _e -1		

General Notes:

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a - 8387, c - 8001, d - 14-0033, e - 53022-1, f - 6938, g - 16095



UUT_a-1



Mounting Details: Floor mounted with (4) 1/2" diameter grade 5 bolts.



Manufacturer: ABB	Test Location: Clark Test Laboratory
Product Line: Low Voltage Switchgear	Test Date: November / December 2007
Model Number: Entellisys-AT	Report Number: 8387

UUT Function: Power control system to monitor, operate and troubleshoot switchgear

UUT Description: The unit is comprised of a floor mounted NEMA type 1 enclosure consisting of control components.

UUT Components: NEMA 1 12ga Carbon Steel Enclosure; Control Power Transformer, HMI, CPU, 64-point I/O system CPU and UPS Assembly 50/60Hz

			UUT PR	OPERTIE	S			
Weight		Dimensio	ns (inches)			Natura	al Fequenc	y (Hz)
(lb)	Enclosure Width	Enclosu	re Depth	Enclosu	re Height	FB	SS	V
1,100	30	3	0	9	02	12.5	10.1	>33
		SEIS	MIC TEST	Г PARAM	ETERS			
]	Test Criteria	$S_{DS}(g)$	z / h	I _P	$A_{FLX-H}\left(g ight)$	$A_{\text{RIG-H}}(g)$	$A_{FLX-V}(g)$	$A_{RIG-V}(g)$
CDC 201	9/ICC-ES-AC156	2.00	1.00	1.50	3.20	2.40	-	-
CBC 201	19/ICC-ES-AC130	2.50	0.00	1.50	-	-	1.67	0.67



Mounting Details: Floor mounted with (4) 1/2" diameter grade 5 bolts.



UUT_c-1A



Mounting Details: Floor mounted with (4) 1/2" diameter grade 5 bolts.



UUT Components: NEMA 1 12ga Carbon Steel Enclosure; 9T22B4311 CPT, GE ITI Current Transformers, Power Supplies, and Fuses

			UUT PR	OPERTIE	S			
Weight		Dimensio	ns (inches)			Natura	al Fequenc	y (Hz)
(lb)	Enclosure Width	Enclosu	re Depth	Enclosu	re Height	FB	SS	V
870	22	6	0	ç	92	30.5	15.6	>33
		SEIS	MIC TEST	Г PARAM	ETERS			
]	Fest Criteria	$S_{DS}(g)$	z / h	I _P	$A_{FLX-H}\left(g ight)$	$A_{RIG-H}(g)$	$A_{FLX-V}(g)$	$A_{RIG-V}(g)$
CDC 201	9 / ICC-ES-AC156	1.44	1.00	1.50	2.30	1.73	-	-
CBC 201	19/ICC-ES-AC130	2.30	0.00	1.50	-	-	1.54	0.62
Note: The ı	unit was full of contents of	during testing	and remaine	d functional	before and af	ter the ICC-E	S AC156 tes	t. The unit

UUT_c-1B



Mounting Details: Floor mounted with (4) 1/2" diameter grade 5 bolts.



UUT Components: NEMA 1 12ga Carbon Steel Enclosure, EG1M1NXX 4000A Breaker, GE ITI Current Transformers, Power Supplies, and Fuses

			UUT PR	OPERTIE	S			
Weight		Dimensio	ns (inches))		Natura	al Fequency	y (Hz)
(lb)	Enclosure Width	re Height	FB	SS	V			
2,435	30	6	0	9	92	30.5	15.6	>33
		SEIS	MIC TEST	Г PARAM	ETERS			
]	Fest Criteria	$S_{DS}(g)$	z / h	I _P	$A_{FLX-H}\left(g ight)$	$A_{\text{RIG-H}}(g)$	$A_{FLX-V}(g)$	$A_{RIG-V}(g)$
CDC 201	9 / ICC-ES-AC156	1.44	1.00	1.50	2.30	1.73	-	-
CBC 201	19/ICC-ES-AC130	2.30	0.00	1.50	-	-	1.54	0.62
Note: The u	unit was full of contents of	during testing	and remaine	d functional	before and aft	ter the ICC-E	S AC156 tes	t. The unit

UUT_c-1C



Mounting Details: Floor mounted with (4) 1/2" diameter grade 5 bolts.



UUT_d-1A

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Floor mounted with (4) 1/2" diameter grade 5 bolts.



Manufacturer: ABB	Test Location: Clark Test Laboratory
Product Line: Low Voltage Switchgear	Test Date: March 2014
Model Number: AKD-20-4H	Report Number: 14-0033

UUT Function: Synchonization of multiple power sources to main bus for distribution of electricity

UUT Description: The unit is comprised of a floor mounted NEMA type 1 enclosure with bus and four high circuit breakers.

UUT Components: NEMA 1 12ga Carbon Steel Enclosure, GN12S1X 1200A Breaker, GN20N1X 2000A Breaker, GA20E1X 2000A Breaker Breaker, Neutral Sensor Frames

			UUT PR	OPERTIE	S			
Weight		Dimensio	ns (inches)			Natura	al Fequency	y (Hz)
(lb)	Enclosure Width	Enclosu	re Depth	Enclosu	re Height	FB	SS	V
2,869	22	5	4	9	96	9.0	8.36	30.7
		SEIS	MIC TEST	Г PARAM	ETERS			
]	Fest Criteria	$S_{DS}(g)$	z / h	I _P	$A_{FLX-H}\left(g ight)$	$A_{RIG-H}(g)$	$A_{FLX-V}(g)$	$A_{RIG-V}(g)$
CPC 201	19 / ICC-ES-AC156	1.33	1.00	1.50	2.13	1.6	-	-
CBC 201	17/ICC-ES-AC130	2.13	0.00	1.50	-	-	1.43	0.58
Note: The 1	unit was full of contents of	luring testing	and remaine	d functional	before and aff	ter the ICC-E	S AC156 tes	t. The unit

UUT_d-1B

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Floor mounted with (4) 1/2" diameter grade 5 bolts.



Manufacturer: ABB	Test Location: Clark Test Laboratory
Product Line: Low Voltage Switchgear	Test Date: March 2014
Model Number: AKD-20-2H	Report Number: 14-0033

UUT Function: Synchonization of multiple power sources to main bus for distribution of electricity **UUT Description:** The unit is comprised of a floor mounted NEMA type 1 enclosure with bus and two high circuit breakers.

UUT Components: NEMA 1 12ga Carbon Steel Enclosure, GA40L1X 4000A Breaker, Neutral Sensor Frames

			UUT PR	OPERTIE	S			
Weight		Dimensio	ns (inches))		Natura	l Fequency	y (Hz)
(lb)	Enclosure Width	Enclosu	re Depth	Enclosu	re Height	FB	SS	V
3,613	38	5	4	9	96	9.0	8.36	30.7
		SEIS	MIC TEST	Г PARAM	ETERS			
]	Fest Criteria	$S_{DS}(g)$	z / h	Ip	$A_{FLX-H}(g)$	$A_{RIG-H}(g)$	$A_{FLX-V}(g)$	$A_{RIG-V}(g)$
CPC 201	19 / ICC-ES-AC156	1.33	1.00	1.50	2.13	1.6	-	-
CBC 201	17/ICC-ES-AC130	2.13	0.00	1.50	-	-	1.43	0.58
Note: The u	unit was full of contents of	during testing	and remaine	d functional	before and aff	er the ICC-E	S AC156 tes	t. The unit

 UUT_d -2A

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Floor mounted with (4) 1/4"-12" long fillet welds.

		REVIEW		000EC	OM DU TO	AR		
Manufac	cturer: ABB	VX-V			Test Loca	tion: Clark	Test Labo	oratory
Product	Line: Low Voltage S	Switchgear			Test Date	: March 20	14	
Model N	umber: AKD-10-A7	Γ	VA BU	II DING	Report N	umber: 14-	-0033	
UUT Fu	nction: Power contro	ol system to	monitor, o	operate and	d troublesho	ot switchge	ear	
control co UUT Cor	cription: The unit is o mponents. nponents: NEMA 3R unsformers, Vartech HI	12ga Carbo	on Steel End	closure, SP	D, 9T22B43	12 CPT, 87	0214352 C	
			IIIT PR	OPERTIE	LS			
Weight		Dimensio	ons (inches)		4 N	Natura	al Fequenc	y (Hz)
(lb)	Enclosure Width		re Depth		re Height	FB	SS	V
1,875	30		9		10	21.2	6.41	26.2
,			MIC TEST					
]	Test Criteria	$S_{DS}(g)$	z / h	I _P	$A_{FLX-H}(g)$	$A_{RIG-H}(g)$	$A_{FLX-V}(g)$	A _{RIG-V} (g)
		1.33	1.00	1.50	2.13	1.6	-	-
CBC 20]	19 / ICC-ES-AC156	2.13	0.00	1.50	-	-	1.43	0.58
Note: The	unit was full of contents	during testing	and remaine	d functional	before and af	ter the ICC-E	S AC156 tes	t. The unit

maintained structural integrity during and after the ICC-ES AC156 Test.



Mounting Details: Floor mounted with (4) 1/4"-12" long fillet welds.



UUT_e-1A

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Floor mounted with (4) 1/2" diameter grade 5 bolts.



CBC 2019 / ICC-ES-AC156

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit

1.50

1.50

2.20

1.66

1.00

0.00

1.38

2.20

maintained structural integrity during and after the ICC-ES AC156 Test.

1.47

0.59

UUT_e-1B

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Floor mounted with (4) 1/2" diameter grade 5 bolts.



SEISMIC TEST PARAMETERS Test Criteria z / h $S_{DS}(g)$ I_{P} $A_{FLX-H}(g) | A_{RIG-H}(g) | A_{FLX-V}(g) | A_{RIG-V}(g)$ 1.00 1.50 1.38 2.20 1.66 CBC 2019 / ICC-ES-AC156 0.00 2.20 1.50 1.47 0.59

UUT_e-2A

UNIT UNDER TEST (UUT) SUMMARY SHEET





UUT_e-2B

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Floor mounted with (4) 1/2" diameter grade 5 bolts.



UUT_f-1A



	UUTF-12							
Manufa	cturer: ABB				Test Loca	tion: Clark	Test Labo	oratory
Product	Line: Low Voltage S				Test Date:	: Septembe	er 2005	oratory
Product Model N	Line: Low Voltage S umber: AKD-10 En	tellisys-2H	NA BU		Test Dates Report Nu	: Septembe 1 mber: 693	er 2005 38	
Product Model N UUT Fu	Line: Low Voltage S umber: AKD-10 En nction: Synchonizati	tellisys-2H on of mult	iple power		Test Dates Report Nu main bus fo	: Septembe Imber: 692 or distributi	er 2005 38 ion of elect	ricity
Product Model N UUT Fu UUT Des breaker co UUT Co	Line: Low Voltage S umber: AKD-10 En	tellisys-2H on of mult comprised 12ga Carbo	iple power of a floor r n Steel Enc	nounted NI	Test Date: Report Nu main bus fo EMA type 1	September Imber: 69 or distribution enclosure,	er 2005 38 ion of elect bus, and do	ricity ouble stack
Product Model N UUT Fu UUT Des breaker co UUT Co	Line: Low Voltage S [umber: AKD-10 En nction: Synchonizati scription: The unit is onfiguration. mponents: NEMA 1	tellisys-2H on of mult comprised 12ga Carbo	iple power of a floor r n Steel Enc upply	nounted NI	Test Date: Report Nu main bus fo EMA type 1 3A1XXX 80	September Imber: 69 or distribution enclosure,	er 2005 38 ion of elect bus, and do	ricity ouble stacl
Product Model N UUT Fu UUT Des breaker co	Line: Low Voltage S [umber: AKD-10 En nction: Synchonizati scription: The unit is onfiguration. mponents: NEMA 1	tellisys-2H on of mult comprised 12ga Carbo ers, Power S	iple power of a floor r n Steel Enc upply	nounted NI losure, EG OPERTIF	Test Date: Report Nu main bus fo EMA type 1 3A1XXX 80	Septembe Imber: 69 or distributi enclosure, 0A Breake	er 2005 38 ion of elect bus, and do	ricity ouble stacl XX 2000A
Product Model N UUT Fu UUT Des breaker co UUT Co Breaker, 0	Line: Low Voltage S [umber: AKD-10 En nction: Synchonizati scription: The unit is onfiguration. mponents: NEMA 1	tellisys-2H on of mult comprised 12ga Carbo ers, Power S Dimensio	iple power of a floor r n Steel Enc upply UUT PR	nounted NI losure, EG OPERTIE	Test Date: Report Nu main bus fo EMA type 1 3A1XXX 80	Septembe Imber: 69 or distributi enclosure, 0A Breake	er 2005 38 ion of elect bus, and do r, EG1H1X	ricity ouble stack XX 2000A
Product Model N UUT Fu UUT Des breaker co UUT Co Breaker, o Weight	Line: Low Voltage S [umber: AKD-10 En nction: Synchonizati scription: The unit is onfiguration. mponents: NEMA 1	tellisys-2H on of mult comprised 12ga Carbo ers, Power S Dimensio Enclosu	iple power of a floor r n Steel Enc upply UUT PR ons (inches)	nounted NI losure, EG OPERTIE Enclosu	Test Date: Report Nu main bus fo EMA type 1 3A1XXX 80	September Imber: 69 or distributir enclosure, 0A Breaker Natura	er 2005 38 ion of elect bus, and do r, EG1H1X al Fequence	ricity ouble stack XX 2000A y (Hz)
Product Model N UUT Fu UUT Des breaker co UUT Co Breaker, 0 Weight (lb)	Line: Low Voltage S [umber: AKD-10 En nction: Synchonizati scription: The unit is onfiguration. mponents: NEMA 1 CT Current Transforme Enclosure Width	tellisys-2H on of mult comprised 12ga Carbo ers, Power S Dimensio Enclosu 6	iple power of a floor r n Steel Enc upply UUT PR ons (inches) re Depth	nounted NI losure, EG OPERTIE Enclosu	Test Date: Report Nu main bus fc EMA type 1 3A1XXX 80 ES ure Height 84	September September or distribution enclosure, 0A Breaker Natura FB	er 2005 38 ion of elect bus, and do r, EG1H1X al Fequency SS	ricity puble stack XX 2000A y (Hz) V
Product Model N UUT Fu UUT Des breaker co UUT Co Breaker, 0 Weight (1b) 1,784	Line: Low Voltage S [umber: AKD-10 En nction: Synchonizati scription: The unit is onfiguration. mponents: NEMA 1 CT Current Transforme Enclosure Width	tellisys-2H on of mult comprised 12ga Carbo ers, Power S Dimensio Enclosu 6	iple power of a floor r n Steel Enc upply UUT PR ons (inches) re Depth	nounted NI losure, EG OPERTIE Enclosu	Test Date: Report Nu main bus fc EMA type 1 3A1XXX 80 ES ure Height 84	September September September or distributi enclosure, 0A Breaker Natura FB 22.6	er 2005 38 ion of elect bus, and do r, EG1H1X al Fequency SS	ricity puble stack XX 2000A y (Hz) V > 33
Product Model N UUT Fu UUT Des breaker co UUT Co Breaker, 0 Weight (lb) 1,784	Line: Low Voltage S [umber: AKD-10 En nction: Synchonizati scription: The unit is onfiguration. mponents: NEMA 1 T CT Current Transforme Enclosure Width 22	tellisys-2H on of mult comprised 12ga Carbo ers, Power S Dimensio Enclosu 6 SEIS	iple power of a floor r n Steel Enc upply UUT PR ons (inches) re Depth 0 MIC TEST	nounted NI losure, EG OPERTIE Enclosu	Test Date: Report Nu main bus fo EMA type 1 3A1XXX 80 ES ure Height 84 IETERS	September September September or distributi enclosure, 0A Breaker Natura FB 22.6	er 2005 38 ion of elect bus, and do r, EG1H1X al Fequenc: SS 8.6	ricity puble stack XX 2000A y (Hz) V > 33

UUT_f-1B



		UUTF-18						
		- 4		er de la de Frank de la de				
Manufa	cturer: ABB				Test Loca	tion: Clark	c Test Labo	pratory
	eturer: ABB Line: Low Voltage S	Switchgear				tion: Clark	x Test Labo er 2005	oratory
Product						: Septembe	er 2005	pratory
Product Model N UUT Fu	Line: Low Voltage S umber: AKD-10 En nction: Synchonizati	tellisys-1H on of mult	iple power		Test Dates Report Nu main bus fo	: Septembe 1mber: 692 or distributi	er 2005 38 ion of elect	ricity
Product Model N UUT Fu UUT Des configura UUT Co	Line: Low Voltage S umber: AKD-10 En nction: Synchonizati ccription: The unit is o	tellisys-1H on of mult comprised o	iple power	ounted NE	Test Date: Report Nu main bus fo CMA type 1 of	: Septembe Imber: 69 or distributi enclosure, b	er 2005 38 ion of elect bus, and sin	ricity gle break
Product Model N UUT Fu UUT Des configura UUT Co	Line: Low Voltage S fumber: AKD-10 En nction: Synchonizati ccription: The unit is o tion. mponents: NEMA 1	tellisys-1H on of mult comprised o	iple power of a floor m rbon Steel	ounted NE	Test Date: Report Nu main bus fo MA type 1 o	: Septembe Imber: 69 or distributi enclosure, b	er 2005 38 ion of elect bus, and sin	ricity gle break
Product Model N UUT Fu UUT Des configura	Line: Low Voltage S fumber: AKD-10 En nction: Synchonizati ccription: The unit is o tion. mponents: NEMA 1	tellisys-1H on of mult comprised of 12ga Ca	iple power of a floor m rbon Steel	ounted NE Enclosure, OPERTIE	Test Date: Report Nu main bus fo MA type 1 o	September September or distribution enclosure, b X 2000A	er 2005 38 ion of elect bus, and sin	ricity gle breako CT Curren
Product Model N UUT Fu UUT Des configura UUT Co Transforn	Line: Low Voltage S fumber: AKD-10 En nction: Synchonizati ccription: The unit is o tion. mponents: NEMA 1	tellisys-1H on of mult comprised of 12ga Ca Dimensic	iple power of a floor m rbon Steel	Enclosure,	Test Date: Report Nu main bus fo MA type 1 o	September September or distribution enclosure, b X 2000A	er 2005 38 ion of elect bus, and sin Breaker, C	ricity gle breake CT Currer
Product Model N UUT Fu UUT Des configura UUT Co Fransform Weight	Line: Low Voltage S (umber: AKD-10 En nction: Synchonizati icription: The unit is o tion. mponents: NEMA 1 hers, Power Supply	tellisys-1H on of mult comprised of 12ga Ca Dimensic Enclosu	iple power of a floor m rbon Steel UUT PR ons (inches)	Enclosure,	Test Date: Report Nu main bus fo CMA type 1 o , EG1H1XX	September September or distribution enclosure, bor X 2000A Natura	er 2005 38 ion of elect bus, and sin Breaker, C al Fequence	ricity gle breako CT Curren y (Hz)
Product Model N UUT Fu UUT Des configura UUT Co Fransform Weight (lb)	Line: Low Voltage S (umber: AKD-10 En nction: Synchonizati ccription: The unit is o tion. mponents: NEMA 1 hers, Power Supply Enclosure Width	tellisys-1H on of mult comprised of 12ga Ca Dimensic Enclosu 6	iple power of a floor m rbon Steel UUT PR ons (inches) re Depth	Enclosure,	Test Date: Report Nu main bus fo CMA type 1 o GEG1H1XX ES ure Height 84	September September or distribution enclosure, box X 2000A Natura FB	er 2005 38 ion of elect ous, and sin Breaker, C al Fequency SS	ricity gle breake CT Curren y (Hz) V
Product Model N UUT Fu UUT Des configura UUT Co Transform Weight (1b) 2,433	Line: Low Voltage S (umber: AKD-10 En nction: Synchonizati ccription: The unit is o tion. mponents: NEMA 1 hers, Power Supply Enclosure Width	tellisys-1H on of mult comprised of 12ga Ca Dimensic Enclosu 6	iple power of a floor m rbon Steel UUT PR ons (inches) re Depth	Enclosure,	Test Date: Report Nu main bus fo CMA type 1 o , EG1H1XX CS ure Height 84 IETERS	September September September or distribution enclosure, b X 2000A Natura FB 22.6	er 2005 38 ion of elect ous, and sin Breaker, C al Fequency SS	ricity gle breake CT Curren y (Hz) V > 33
Product Model N UUT Fu UUT Des configura UUT Co Transform Weight (lb) 2,433	Line: Low Voltage S umber: AKD-10 En nction: Synchonizati cription: The unit is of tion. mponents: NEMA 1 hers, Power Supply Enclosure Width 30	tellisys-1H on of mult comprised of 12ga Ca Dimensic Enclosu 6 SEIS	iple power of a floor m rbon Steel UUT PR ons (inches) re Depth 60 MIC TEST	Enclosure, OPERTIE Enclosu	Test Date: Report Nu main bus fo CMA type 1 o , EG1H1XX CS ure Height 84 IETERS	September September September or distribution enclosure, b X 2000A Natura FB 22.6	er 2005 38 ion of elect bus, and sin Breaker, C al Fequency SS 8.6	ricity gle breake CT Currer y (Hz) V > 33

UUT_f-1C



Manufa	cturer: ABB				Test Loca	tion: Clark	Test Labo	ratory
Product	Line: Low Voltage S				Test Date:	: Septembe	er 2005	ratory
Product Model N	Line: Low Voltage S Number: AKD-10 En	tellisys-2H	MA BU		Test Date: Report Nu	: Septembe Imber: 693	er 2005 38	
Product Model N UUT Fu	Line: Low Voltage S Number: AKD-10 En Inction: Synchonizati	tellisys-2H on of mult	iple power		Test Date: Report Nu main bus fo	Septembe Imber: 693 or distributi	er 2005 38 ion of elect	ricity
Product Model N UUT Fu UUT De breaker c	Line: Low Voltage S Number: AKD-10 En	tellisys-2H on of mult comprised 12ga Carbo	iple power of a floor r n Steel Enc	nounted NI	Test Dates Report Nu main bus fo EMA type 1	Septembe Imber: 693 or distributi enclosure,	r 2005 38 ion of elect bus, and do	ricity puble stac
Product Model N UUT Fu UUT De oreaker c	Line: Low Voltage S Number: AKD-10 En Inction: Synchonizati scription: The unit is onfiguration. mponents: NEMA 1	tellisys-2H on of mult comprised 12ga Carbo	iple power of a floor r n Steel Enc upply	nounted NI	Test Dates Report Nu main bus fo EMA type 1 3A1XXX 80	Septembe Imber: 693 or distributi enclosure,	r 2005 38 ion of elect bus, and do	ricity puble stac
Product Model N UUT Fu UUT De preaker c UUT Co Breaker,	Line: Low Voltage S Number: AKD-10 En Inction: Synchonizati scription: The unit is onfiguration. mponents: NEMA 1	tellisys-2H on of mult comprised 12ga Carbo ers, Power S	iple power of a floor r n Steel Enc upply	nounted NI losure, EG OPERTIF	Test Dates Report Nu main bus fo EMA type 1 3A1XXX 80	: Septembe Imber: 693 or distributi enclosure, 0A Breaker	r 2005 38 ion of elect bus, and do	ricity puble stac XX 2000
Product Model N UUT Fu UUT De preaker c	Line: Low Voltage S Number: AKD-10 En Inction: Synchonizati scription: The unit is onfiguration. mponents: NEMA 1	tellisys-2H on of mult comprised 12ga Carbo ers, Power S Dimensic	iple power of a floor r n Steel Enc upply UUT PR	nounted NI losure, EG DPERTIE	Test Dates Report Nu main bus fo EMA type 1 3A1XXX 80	: Septembe Imber: 693 or distributi enclosure, 0A Breaker	r 2005 38 ion of elect bus, and do r, EG1H1X	ricity ouble stac XX 2000.
Product Model N UUT Fu UUT De preaker c UUT Co Breaker, Weight	Line: Low Voltage S Number: AKD-10 En Inction: Synchonizati scription: The unit is onfiguration. mponents: NEMA 1 CT Current Transforme	tellisys-2H on of mult comprised 12ga Carbo rrs, Power S Dimensic Enclosu	iple power of a floor r n Steel Enc upply UUT PR ons (inches)	nounted NI losure, EG OPERTIF Enclosu	Test Date: Report Nu main bus fc EMA type 1 3A1XXX 80	Septembe Imber: 693 or distributi enclosure, 0A Breaker Natura	r 2005 38 on of elect bus, and do r, EG1H1X	ricity ouble stac XX 2000 y (Hz)
Product Model N UUT Fu UUT De oreaker c UUT Co Breaker, Weight (lb)	Line: Low Voltage S Number: AKD-10 En Inction: Synchonizati scription: The unit is onfiguration. mponents: NEMA 1 CT Current Transforme Enclosure Width	tellisys-2H on of mult comprised 12ga Carbo ers, Power S Dimensic Enclosu 6	iple power of a floor r n Steel Enc upply UUT PRO ons (inches) re Depth	nounted NI losure, EG DPERTIE Enclosu	Test Date: Report Nu main bus fc EMA type 1 3A1XXX 80 CS ure Height 84	Septembe Imber: 693 or distributi enclosure, 0A Breaker Natura FB	r 2005 38 on of elect bus, and do r, EG1H1X al Fequency SS	ricity puble stac XX 2000 y (Hz) V
Product Model N UUT Fu UUT De oreaker c UUT Co Breaker, (Weight (1b) 1,783	Line: Low Voltage S Number: AKD-10 En Inction: Synchonizati scription: The unit is onfiguration. mponents: NEMA 1 CT Current Transforme Enclosure Width	tellisys-2H on of mult comprised 12ga Carbo ers, Power S Dimensic Enclosu 6	iple power of a floor r n Steel Enc upply UUT PR ons (inches) re Depth	nounted NI losure, EG DPERTIE Enclosu	Test Date: Report Nu main bus fc EMA type 1 3A1XXX 80 CS ure Height 84	E Septembe Imber: 693 or distributi enclosure, 0A Breaker Natura FB 22.6	r 2005 38 on of elect bus, and do r, EG1H1X al Fequency SS	ricity puble stac XX 2000 y (Hz) V > 33
Product Model N UUT Fu UUT De breaker c UUT Co Breaker, ' Weight (lb) 1,783	Line: Low Voltage S Number: AKD-10 En Inction: Synchonizati scription: The unit is onfiguration. mponents: NEMA 1 CT Current Transforme Enclosure Width 22	tellisys-2H on of mult comprised 12ga Carbo ers, Power S Dimensic Enclosu 6 SEIS	iple power of a floor r n Steel Enc upply UUT PR ons (inches) re Depth 0 MIC TEST	nounted NI losure, EG OPERTIE Enclosu	Test Date: Report Nu main bus fc EMA type 1 3A1XXX 80 CS ure Height 84 IETERS	E Septembe Imber: 693 or distributi enclosure, 0A Breaker Natura FB 22.6	r 2005 38 ion of elect bus, and do r, EG1H1X al Fequence SS 8.6	ricity puble stac XX 2000. y (Hz) V > 33