

DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

APPLICATION FOR HCAI SPECI	OFFICE USE ONLY								
CERTIFICATION PREAPPROVA	APPLICATION #: OSP-0743								
HCAI Special Seismic Certification Preap	proval (OSP)								
Type: New X Renewal									
Manufacturer Information									
Manufacturer: Siemens Healthcare GmbH									
Manufacturer's Technical Representative: Don Medlar									
Mailing Address: Siemensstr. 3, Forchheim, Bavaria 91301									
Telephone: (49919) 118-6521	Email: don.medlar@sieme	ns-healthineers.com							
Product Information									
Product Name: NAEOTOM Alpha CT Systems									
Product Model Number(s): See attachment	ПСАІ	E.							
Product Category: CT Systems	OSP-0743	G							
Product Sub-Category: NA									
General Description: Multiple component sy variety of medial diagn		omography (CT) medical images for a wide							
Mounting Description: Several - See Certified	Product Tables and UUT Shee	t -							
Tested Seismic Enhancements: None		S S							
Applicant Information									
Applicant Company Name: WE Gundy & Assoc	iates, Inc								
Contact Person: Travis Soppe	BUILDING								
Mailing Address: PO Box 9121, Boise, ID 8370	7								
Telephone: (208) 342-5989	Email: tsoppe@wegai.com								
Title: President									



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OSP-0743



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)
Company Name: W.E. GUNDY & ASOCIATES INC.
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 IEEE 693 NEBS 3
Other (Please Specify):
FOR CODE CO.
Testing Laboratory
Company Name: IABG TEST LABORATORY
Contact Person: Steffen Roedling
Mailing Address: Einsteinstrasse 20, Ottobrunn Bavaria 85521
Telephone: (49896) 088-2052
DATE: 04/11/2025



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OSP-0743



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

Seismic Parameters

Design Basis of Equipment or Components (Fp/Wp) = See Attachments								
SDS (Design spectral response accele	SDS (Design spectral response acceleration at short period, g) = 2.00 (z/h = 1.0), 2.50 (z/h = 0.0)							
ap (Amplification factor) =	See attachments							
Rp (Response modification factor) =	See attachments							
Ω_0 (System overstrength factor) =	2.0							
Ip (Importance factor) =	1.5							
z/h (Height ratio factor) =	1 and 0							
Natural frequencies (Hz) = See Attachment								
Overall dimensions and weight =	See Attachment							
HCAI Approval (For Office Use Only) -	Approval Expires on 04/10/2031							
Date: 4/11/2025	OSP-0743							
Name: Mohammad Karim	Title: Supervisor, Health Facilities							
Special Seismic Certification Valid Up to: SDS (g) = 2.0 z/h = 1								
Condition of Approval (if applicable):	DATE: 04/11/2025							
	DRIVIA BUILDING CODE							



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OSP-0743

TABLE 1

SIEMENS HEALTHCARE GmbH SPECIAL SEISMIC CERTIFICATION CERTIFIED SYSTEM COMPONENTS



Manufacturer: Siemens Healthcare GmbH

System: NAEOTOM Alpha CT Systems

	Siemens		Dimensions	(in)	Weight	Mountira	TITIT			
System Component ¹	Part Number	Width Depth Height		(lb)	Mounting	UUT				
	Gantries									
NAEOTOM Alpha.Prime	11549431	93.7	37.9	78.3	4409	floor	UUT _z -1			
SOMATOM X.ceed	11330002	99.8	37.7	78.1	4748	floor	UUT _w -2			
NAEOTOM Alpha.Pro	10191100	94.5	49.8	78.3	5953	floor	interpolated			
NAEOTOM Alpha.Peak	11330003	94.5	49.8	78.3	5953	floor	UUT _x -2			
Patient Tables										
Vario 2.D PHS	11061335	27.6	97.6-179.5	24.0-40.7	802 ²	floor	UUT _w -4			
Vitus PHS	11061336	27.8	100.8-182.7	14.8-38.0	1040	floor	UUT _v -3			
Image Reconstruction and UPS Systems										
ALON UPS-cabinet	1 <mark>15011</mark> 40	34.8	40.5	50.8	<mark>8</mark> 95	floor / wall	UUT _y -3			
ALON UPS-cabinet	1 <mark>15011</mark> 40	34.8	40.5	50.8	<mark>88</mark> 6	floor / wall	UUT _z -2			
UPS Rack - Config 1 1-GXT5 and IRSxp2e	11769311	25.6	0432141/20)2524.5	226	floor	UUT _z -3			
UPS Rack - Config 2 2-GXT5 and IRSxp	11760611	25.6	32.4	24.5	305	floor	interpolated			
UPS Rack - Config 3 3-GXT5 and IRSxp3h	11769987	25.6	32.4	24.5	366	floor	UUT _z -4			
UPS Rack - IRSxp2e and UPS GXT-05	11501180	15.4	JIL32.7	22.5	149	floor	UUT _x -5			
Computer IRS XL20-1H	11513711	30.7	12.1	19.6	79	floor	UUT _x -4			
IRSxp2a	11652201	7.0	21.7	17.1	44	floor	UUT _x -6			

Notes:

¹All components are manufactured by Siemens Healthcare GmbH unless noted. Part numbers listed uniquely identify type of component, manufacturer, and material of construction for each sub-componenent within the tested units.

² The units were tested at different times and the subscripts on the UUT's reference the following seismic certification test reports:

v = TAB3-PB-20-140-V1 / w = TAB3-PB-21-074-V1 / x = TA-B-000477-V1 / y = TA-B-00478-V1 / z = TA-B-005685-V1 & TA-B-05725-V1

SEISMIC CERTIFICATION LIMITS								
System Component	Code	$S_{DS}(g)$	z / h	I _P	a _P	R _P	Ω ₀	$\mathbf{F}_{\mathbf{P}}$ / $\mathbf{W}_{\mathbf{P}}$
Gantries	CBC	2.0	1.0	1.50	1.0	1.5	2.0	2.40
Gantries	2022	2.5	0	1.50	1.0	1.3	2.0	1.13
Patient Tables	CBC	2.0	1.0	1.50	1.0	15	2.0	2.40
Patient Tables	2022	2.5	0	1.50	1.0	1.5	2.0	1.13
IDS and LIDS Systems	CBC	2.0	1.0	1 50	1.0	2.5	2.0	1.44
IRS and UPS Systems	2022	2.5	1.50	1.0	2.5	2.0	1.13	

UUT_z-1

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid floor mounted with (4) 5/8" grade 10.9 bolts



UUT_w -2

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid floor mounted with (5) 5/8" grade 8 bolts

Manufacturer	: Siemens Heal	thcare GmbI	E: 04/	Test Lo	cation: IAE	<mark>BG</mark> mbH, G	ermany	
Component:	SOMATOM X.	ceed Gantry		777777	te: May 202		<u> </u>	
Model Numbe		CONTRACT.		A P P A P P	Number: 7		21-074-V	
UUT Function	: Continuous ro	otating x-ray						
			101				ns.	
 UUT Description: Gantry with water cooling for the SOMATOM X.Ceed CT systems. UUT Modifications: Modifications required for the UUT to pass the seismic test will be incorporated in the standard production units. 								
UUT PROPERTIES								
	Dimensions (inches)		ches)		N	atural Freq	uency (H	z)
Weight (lb)	Width	, í		ght	FB	SS	5	V
4,748				.1	12.5	6.4	4	24.5
		SEISM	IC TEST	PARAN	AETERS			
Building Code	e / Test Criteria	S _{DS} (g)	z / h	IP	A _{FLX-H} (g)	A _{RIG-H} (g)	AFLX-V (§	g) $A_{RIG-V}(g)$
CDC 2022 / 1		2.00	1.0	1.5	3.20	2.40	-	-
	CBC 2022 / ICC-ES AC156 2.50 0 1.5 1.67 0.67						0.67	
Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.								

UUT_x -2

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid floor mounted with (4) 5/8" grade 8 bolts

Manufacturer: Siemens Healthcare GmbH Fest Location: IABG mbH, Germany								
Component:	NAEOTOM Al	pha.Peak Gar	ntry	Test Da	te: March 2	.022		
Model Numbe	r: 11330003	A.	BUILT	Report	Number:	ГА-В-0004	77-V1	
UUT Function	: Continuous r	otating x-ray	to generat	e diagno	stic imaging	5		
UUT Descript	ion: Gantry for	the NAEOT	OM Alph	a CT sys	tems.			
		U	JUT PRO	PERTI	ES			
Weight (lb)	Di	mensions (inc	ches)		N	latural Freq	uency (Hz	z)
	Width	Depth	He	ight	FB	SS	5	V
5,953	94.5	4.5 49.8			9.8	18.	.2	> 33
		SEISM	IC TEST	PARAM	METERS			
Building Code	/ Test Criteria	$S_{DS}(g)$	z / h	IP	$A_{FLX-H}\left(g ight)$	$A_{RIG-H}\left(g ight)$	A _{FLX-V} (g) $A_{RIG-V}(g)$
CBC 2022 / IC	1.0 0	1.5 1.5	3.20	2.40	- 1.67	- 0.67		
2.5001.51.670.67Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test.one of the unitone of the unitmaintained structural integrity during and after the ICC-ES AC156 test.one of the unitone of the unit								



UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid floor mounted with (4) 5/8" grade 8 bolts.



Manufacturer: Siemens Healthcare GmbH	Test Location: IABG mbH, Germany
Component: Vario 2.D PHS	Test Date: May 2021
Model Number: 11061335	Report Number: TAB3-PB-21-074-V1

UUT Function: Motorized patient support

UUT Description: Patient table for the SOMATOM X.ceed CT systems.

UUT PROPERTIES

Weight (lb)	Di	mensions (inch	es)	Nati	ural Frequency	(Hz)
with Patient	Width	Depth	Height	FB	SS	V
1,343	27.6	97.6 - 179.5	24.0 - 40.7	11.6	14.9	> 33

The patient table moves vertically and horizontally to accommodate different positions and procedures. The system was tested in the normal operating position, with the tabletop extended 39.4 inches, vertically extended 36.8 inches, and with a total simulated patient weight of 540lbs.

SEISMIC TEST PARAMETERS							
Building Code / Test Criteria	S _{DS} (g)	z / h	Ip	$A_{FLX-H}(g)$	$A_{RIG-H}\left(g ight)$	$A_{FLX-V}(g)$	$A_{RIG-V}(g)$
CDC 2022 / ICC ES A C15(2.00	1.0	1.5	3.20	2.40	-	-
CBC 2022 / ICC-ES AC156	2.50	0	1.5	-	-	1.67	0.67

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

UUT_v-3

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid floor mounted with (6) 5/8" grade 8 bolts.

Manufacturer: Siemens Healthcare GmbH Test Location: IABG mbH, Germany Component: Vitus PHS Test Location: IABG mbH, Germany Model Number: 11061336 Report Number: TAB3-PB-20-140-V1 UUT Function: Motorized patient support UUT Description: Patient table for the SOMATOM X.cite CT systems. UUT PROPERTIES Weight (lb) Dimensions (incles) Natural Frequency (Hz) With Patient Width Depth Height FB SS V SEISMIC TEST PARAMETERS Building Code / Test Criteria Sp. (g) z / h Ip Antical (g) Arture (g) Arture (g) Arture (g)	Mounting Deta	ails: Rigid floor	r mounted with	n (6) 5/8"	grade 8	bolts.			
Component: Vitus PHS Test Date: September 2020 Model Number: 11061336 Report Number: TAB3-PB-20-140-V1 UUT Function: Motorized patient support UUT Description: Patient table for the SOMATOM X.cite CT systems. UUT Description: Patient table for the SOMATOM X.cite CT systems. UUT PROPERTIES Weight (lb) Dimensions (inches) Natural Frequency (Hz) with Patient Width Depth Height FB SS V 1,580 27.8 100.8 – 182.7 14.8 – 38.0 16.6 7.6 11.3 The patient table moves vertically and horizontally to accommodate different positions and procedures. The system was teste the normal operating position, with the tabletop extended 39.4 inches, vertically extended 38 inches, and with a total simulate patient weight of 540lbs. SEISMIC TEST PARAMETERS Building Code / Test Criteria SDS (g) z / h IP A _{FLX-H} (g) A _{FLX-V} (g) A _{RIG-V}		UUT-2			JUT-3				
Component: Vitus PHS Test Date: September 2020 Model Number: 11061336 Report Number: TAB3-PB-20-140-V1 UUT Function: Motorized patient support Image: Component is a component is component is a component is component is a c	 Manufacturer	: Siemens Heal	Ithcare GmbH		Test Lo	cation: IAE	<mark>3G</mark> mbH. G	ermany	
Model Number: 11061336 Report Number: TAB3-PB-20-140-V1 UUT Function: Motorized patient support UUT Description: Patient table for the SOMATOM X.cite CT systems. UUT PROPERTIES Weight (lb) Dimensions (inches) Natural Frequency (Hz) with Patient Width Depth Height FB SS V 1,580 27.8 100.8 – 182.7 14.8 – 38.0 16.6 7.6 11.3 The patient table moves vertically and horizontally to accommodate different positions and procedures. The system was teste the normal operating position, with the tabletop extended 39.4 inches, vertically extended 38 inches, and with a total simulate patient weight of 540lbs. SEISMIC TEST PARAMETERS Building Code / Test Criteria S _D s (g) z / h IP A _{FLX-H} (g) A _{FLX-V} (g) A _{RIG-V}				: 04/1	1/000			5	
UUT Function: Motorized patient support UUT Description: Patient table for the SOMATOM X.cite CT systems. UUT PROPERTIES Weight (lb) Dimensions (inches) Natural Frequency (Hz) with Patient Width Depth Height FB SS V 1,580 27.8 100.8 – 182.7 14.8 – 38.0 16.6 7.6 11.3 The patient table moves vertically and horizontally to accommodate different positions and procedures. The system was tester the normal operating position, with the tabletop extended 39.4 inches, vertically extended 38 inches, and with a total simulate patient weight of 540lbs. SEISMIC TEST PARAMETERS Building Code / Test Criteria Sps (g) Z / h Ip A _{FLX-H} (g) A _{RIG-H} (g) A _{FLX-V} (g) A _{RIG-V}	-				TTTTT	APARAR		20-140-V1	
UUT PROPERTIES Weight (lb) with Patient Dimensions (inches) Natural Frequency (Hz) Width Depth Height FB SS V 1,580 27.8 100.8 – 182.7 14.8 – 38.0 16.6 7.6 11.3 The patient table moves vertically and horizontally to accommodate different positions and procedures. The system was tester the normal operating position, with the tabletop extended 39.4 inches, vertically extended 38 inches, and with a total simulate patient weight of 540lbs. SEISMIC TEST PARAMETERS Building Code / Test Criteria SDS (g) Z / h Ip A _{FLX-H} (g) A _{FLX-V} (g) A _{RIG-V} 2.00 1.0 1.5 3.20 2.40 - -	UUT Function	: Motorized pa	tient support						
Weight (lb) with PatientDimensions (inches)Natural Frequency (Hz)WidthDepthHeightFBSSV1,58027.8100.8 – 182.714.8 – 38.016.67.611.3The patient table moves vertically and horizontally to accommodate different positions and procedures. The system was tester the normal operating position, with the tabletop extended 39.4 inches, vertically extended 38 inches, and with a total simulate patient weight of 540lbs.SEISMIC TEST PARAMETERSBuilding Code / Test CriteriaSDS (g)z / hIPAFLX-H (g)ARIG-H (g)AFLX-V (g)ARIG-V2.001.01.53.202.40	UUT Descripti	ion: Patient tab	le for the SOM	IATOM	X.cite C	T systems.			
with PatientWidthDepthHeightFBSSV1,58027.8100.8 - 182.714.8 - 38.016.67.611.3The patient table moves vertically and horizontally to accommodate different positions and procedures. The system was teste the normal operating position, with the tabletop extended 39.4 inches, vertically extended 38 inches, and with a total simulate patient weight of 540lbs.SEISMIC TEST PARAMETERSBuilding Code / Test CriteriaSDS (g)z / hIPAFLX-H (g)ARIG-H (g)AFLX-V (g)ARIG-V2.001.01.53.202.40			U	T PRO	PERTI	ES			
with PatientWidthDepthHeightFBSSV1,58027.8100.8 - 182.714.8 - 38.016.67.611.3The patient table moves vertically and horizontally to accommodate different positions and procedures. The system was teste the normal operating position, with the tabletop extended 39.4 inches, vertically extended 38 inches, and with a total simulate patient weight of 540lbs.SEISMIC TEST PARAMETERSBuilding Code / Test CriteriaSDS (g)z / hIPAFLX-H (g)ARIG-H (g)AFLX-V (g)ARIG-V2.001.01.53.202.40	Weight (lb)	Dir	mensions (inch	es)	Natural Frequency (Hz)				
1,58027.8100.8 - 182.714.8 - 38.016.67.611.3The patient table moves vertically and horizontally to accommodate different positions and procedures. The system was teste the normal operating position, with the tabletop extended 39.4 inches, vertically extended 38 inches, and with a total simulate patient weight of 540lbs.SEISMIC TEST PARAMETERSBuilding Code / Test CriteriaSDS (g) z / h IpAFLX-H (g)ARIG-H (g)AFLX-V (g)ARIG-V2.001.01.53.202.40				1	ght				
the normal operating position, with the tabletop extended 39.4 inches, vertically extended 38 inches, and with a total simulate patient weight of 540lbs. SEISMIC TEST PARAMETERS Building Code / Test Criteria SDS (g) Z / h IP AFLX-H (g) AFLX-V (g) AFLX-V (g) ARIG-V 2.00 1.0 1.5 3.20 2.40 - -	1,580	27.8	100.8 - 182.7	14.8 -	- 38.0	16.6	7.0	5	11.3
Building Code / Test Criteria $S_{DS}(g)$ z / h I_P $A_{FLX-H}(g)$ $A_{RIG-H}(g)$ $A_{FLX-V}(g)$ $A_{RIG-V}(g)$ 2.001.01.53.202.40	the normal operati	ng position, with th	ne tabletop extend	ed 39.4 in	ches, vert	ically extended			
2.00 1.0 1.5 3.20 2.40			SEISMI	C TEST	PARA	METERS		r	
	Building Code / Test Criteria S _{DS} (g) z / h		z / h	IP	$A_{FLX-H}(g)$	$A_{RIG-H}\left(g ight)$	$A_{FLX-V}(g)$	$A_{RIG-V}(g)$	
CBC 2022 / ICC-ES AC156	CBC 2022 / ICC-ES AC156 2.00 1.0 2.50 0			1.0	1.5	3.20	2.40	-	-
2.50 0 1.5 1.67 0.67				0	1.5	-	-	1.67	0.67

UUT_y-3

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid combined floor and wall mounting using Siemens provided seismic restraint kit SN:11500841. Seismic restraint kit includes an angle wall bracket connecting the UUT to the wall with 2 - 3/8" grade 5 bolts and floor brackets connecting the UUT to the floor with 4 - 3/8" grade 5 bolts.



Manufacturer: Siemens Healthcare GmbH Test Location: IABG mbH, Germany						
Component: ALON UPS-cabinet Burn Test Date: September 2022						
Model Number: 11501140 Report Number: TA-B-000478-V1						
UUT Function: Uninterruptible power supply and IRS system.						
UUT Description: Component of the NAEOTOM Alpha CT systems.						

UUT PROPERTIES										
Weight (1h)	Dii	Dimensions (inches)				Natural Frequency (Hz)				
Weight (lb)	Width	Depth	Hei	ght	FB	SS	5	V		
895	34.8	40.5	50	.8	NA	NA	4	NA		
SEISMIC TEST PARAMETERS										
Building Code	e / Test Criteria	$S_{DS}(g)$	z / h	Ip	$A_{FLX-H}(g)$	$A_{RIG-H}(g)$	$A_{FLX-V}(g)$	$A_{RIG-V}(g)$		
CBC 2022 / ICC-ES AC156		2.00	1.0	1.5	3.20	2.40 -		-		
CBC 20227 I	CC-ES AC130	2.50	0	1.5	-	-	1.67	0.67		
Note: The unit wa	as full of contents d	uring testing a	nd remained	functional	before and aft	er the ICC-ES	S AC156 test.	The unit		

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

UUT_z-2

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid combined floor and wall mounting using Siemens provided seismic restraint kit SN:11500841. Seismic restraint kit includes an angle wall bracket connecting the UUT to the wall with 2 - 3/8" grade 5 bolts and floor brackets connecting the UUT to the floor with 4 - 3/8" grade 5 bolts.



Manufacturer: Siemens Healthcare GmbH	Test Location: IABG mbH, Germany					
Component: ALON UPS-cabinet	Test Date: October 2024					
Model Number: 11501140	Report Number: TA-B-005685-V1					
UUT Function: Uninterruptible power supply and IRS system.						
UUT Description: Component of the NAEOTOM	Alpha CT systems.					

UUT PROPERTIES									
Weight (1k)	Dii	Natural Frequency (Hz)							
Weight (lb)	Width	Depth	Hei	ight	FB	SS	5	V	
886	34.8	40.5	50).8	NA	NA	4	NA	
	SEISMIC TEST PARAMETERS								
Building Code / Test Criteria $S_{DS}(g)$ z / h I_P					$A_{FLX-H}(g)$	$A_{RIG-H}\left(g ight)$	$A_{FLX-V}(g)$	$A_{RIG-V}(g)$	
CBC 2022 / ICC-ES AC156 -		2.00		1.5	3.20	2.40	-	-	
		2.50	0	1.5	-	-	1.67	0.67	
Note: The unit w	as full of contents d	uring testing a	nd remained	functional	before and aft	er the ICC-ES	SAC156 test	The unit	

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



								2.001	•
UUTz	-4					ST (UUT HEET)	W.E. GUNDY & STRUCTURAL & EART	GAI ASSOCIATES, INC. HQUAKE ENGINEERING
Mounting Details: Rigid floor mounting using Siemens provided seismic restraint kit SN:11768107. Seismic restraint kit includes 2 angle brackets in the backside of the UUT and 1 angle bracket in the front of the UUT. Each bracket connects the UUT to the floor with 2 – 3/8" grade 5 bolts for a total of 6 bolts.									
Manufacturer:	Siemens He UPS Rack – C	ealthcare Gmb	H		Fest Loc	ation: IA	BG mbH, C	ermany	
l omnonent	3-GXT5 and I				Fest Dat	e: October	2024		
Model Number	r: 11769987		D	UIL	Report N	Number:	ТА-В-0572	5-V1	
UUT Function	: Combined	uninterruptible	e po	wer su	pply and	image recor	nstruction P	C	
UUT Descripti	on: Compon	ent of the NAI	EOJ	FOM A	Alpha CT	systems.			
		ι	UUI	Г PRC	PERTI	ES			
Waight (11)	Ι	Dimensions (in	che	s)		Ν	Vatural Freq	uency (Hz)
Weight (lb)	Width	Depth		He	eight	FB	S	S	V
366	25.6	32.4		2	4.5	> 33	19	.8	> 33
		SEISM	IC	TEST	PARA	METERS			
Building Code	/ Test Criteria	$\mathbf{s} = \mathbf{S}_{\mathrm{DS}}(\mathbf{g})$	2	z / h	IP	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	$A_{RIG-V}(g)$
		2.00		1.0	1.5	3.20	2.40	-	-
CBC 2022 / IO	ES AC156	2.50		0	1.5	-	-	1.67	0.67
Note: The unit wa maintained structu						before and aft	er the ICC-ES	S AC156 test.	The unit

UUT_x-4

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid Floor mounting using Siemens provided seismic restraint kit SN:11500840. Seismic restraint kit includes three 1" wide hand tightened cam buckle straps (560lb WLL) looped thru angle brackets positioned on the long and short sides of the unit. The six angle brackets are attached to the table with individual 3/8" grade 5 bolts.



Manufacturer: Siemens Healthcare GmbH	Test Location: IABG mbH, Germany
Component: Computer IRS XL20-1H	Test Date: March 2022
Model Number: 11513711	Report Number: TA-B-000477-V1

UUT Function: Image Reconstruction System

UUT Description: Component of the NAEOTOM Alpha CT systems.

UUT PROPERTIES										
Weight (1h)	Dii	imensions (inches)				Natural Frequency (Hz)				
Weight (lb)	Width	Depth		Height		FB	SS	5	V	
79.4	30.7	12.1		19.6		23.9	17.	.9	> 33	
SEISMIC TEST PARAMETERS										
Building Code	e / Test Criteria	$S_{DS}(g)$		z / h	IP	$A_{FLX-H}(g)$	$A_{RIG-H}(g)$	A _{FLX-V} (g)	$A_{RIG-V}(g)$	
CBC 2022 / ICC-ES AC156		2.00		1.0	1.5	3.20	2.40	-	-	
		2.50		0	1.5	-	-	- 1.67		
	Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.									

04/11/2025

UUT_x-5

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid Floor mounting using Siemens provided seismic restraint kit SN:11500840. Seismic restraint kit includes three 1" wide hand tightened cam buckle straps (560lb WLL) looped thru angle brackets positioned on the long and short sides of the unit. The six angle brackets are attached to the table with individual 3/8" grade 5 bolts.



Manufacturer	: Siemens Heal	thcare Gmb	H	Test Location: IABG mbH, Germany						
Component:	UPS Rack: IRSx	p2e & UPS	GXT-05	Test Da	te: March 2	022				
Model Numbe	er: 11501180			Report	Number: 7	ГА-В-0004	77-V1			
UUT Function	JUT Function: Combined Uninterruptable Power System and Image Reconstruction System									
UUT Descript	UUT Description: Component of the NAEOTOM Alpha CT systems.									
			UUT PRO	PERTI	ES					
Waight (1h)	Dir	nensions (in	ches)	Natural Frequency (Hz)						
Weight (lb)	Width	Depth	He	ight	FB	SS	5	V		
149.0	15.4	32.7	22	2.5	> 33	9.	8	> 33		
SEISMIC TEST PARAMETERS										
Building Code	e / Test Criteria	$S_{DS}(g)$	z / h	IP	$A_{FLX-H}\left(g ight)$	$A_{RIG-H}\left(g ight)$	$A_{FLX-V}(g)$	$A_{RIG-V}(g)$		

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

1.5

1.5

3.20

_

2.40

1.0

0

2.00

2.50

CBC 2022 / ICC-ES AC156

0.67

1.67

UUT_x-6

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid Floor mounting using Siemens provided seismic restraint kit SN:11500840. Seismic restraint kit includes two 1" wide hand tightened cam buckle straps (560lb WLL) looped thru angle brackets positioned on the long side of the unit. The four angle brackets are attached to the table with individual 3/8" grade 5 bolts.



Manufacturer: Siemens Healthcare GmbH	Test Location: IABG mbH, Germany					
Component: IRSxp2a	Test Date: March 2022					
Model Number: 11652201	Report Number: TA-B-000477-V1					
UUT Function: Image Reconstruction System	UUT Function: Image Reconstruction System					
UUT Description: Component of the NAEOTOM A	lpha CT systems.					
UUT PRO	PERTIES					

Weight (lb)	Dii	Natural Frequency (Hz)							
	Width	Depth	Hei	ght	FB	SS	5	V	
44.1	7.0	21.7	17	.1	> 33	16.	7	> 33	
SEISMIC TEST PARAMETERS									
Building Code	e / Test Criteria	$S_{DS}(g)$	z / h	IP	$A_{FLX-H}\left(g ight)$	$A_{RIG-H}\left(g ight)$	$A_{FLX-V}(g)$	$A_{RIG-V}(g)$	
CDC 2022 / 1		2.00	1.0	1.5	3.20	2.40	-	-	
CBC 2022 / 10	CBC 2022 / ICC-ES AC156		0	1.5	1.67		1.67	0.67	
Note: The unit wa	as full of contents d	uring testing a	nd remained	functional	before and aft	er the ICC-ES	S AC156 test.	The unit	

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