

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

APPLICATION FOR HCAI SPECIAL SEISMIC CERTIFICATION PREAPPROVAL (OSP)

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06/16/2025

OSP-0679



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
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Certification Method
GR-63-Core X ICC-ES AC156 IEEE 344 IEEE 693 NEBS 3
Other (Please Specify):
FOR CODE COL
Testing Laboratory
Company Name: ENVIRONMENTAL TESTING LABORATORIES, INC. (ETL)
Contact Person: Jeremy Lange
Mailing Address: 11034 Indian Trail, Dallas TX 75229-3513
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Company Name: IABG TEST LABORATORY
Contact Person: Steffen Roedling QUIDALE: 06/16/2025
Mailing Address: Einsteinstrasse 20, Ottobrunn Bavaria 85521
Telephone: (49896) 088-2052 Email: roedling@iabg.de
BUILDING



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OSP-0679



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

Seismic Parameters	
Design Basis of Equipment or Component	nts (Fp/Wp) = See Attachment
SDS (Design spectral response a	celeration at short period, g) = 2.0
ap (Amplification factor) =	See Attachment
Rp (Response modification factor	= See Attachment
$Ω_0$ (System overstrength factor) =	See Attachment
lp (Importance factor) =	1.5
z/h (Height ratio factor) =	1
Natural frequencies (Hz) =	See Attachment
Overall dimensions and weight =	See Attachment
HCAI Approval (For Office Use Onl	/) - Approval Expires on 06/16/2031
Date: 6/16/2025	OSP-0679
Name: Mohammad Karim	Title: Supervisor, Health Facilities
Special Seismic Certification Valid Up to	$S_{DS}(g) = 2.0$ $z/h = 1$

06/16/2025

CODE

Condition of Approval (if applicable):



"A healthier California where all receive equitable, affordable, and quality health care" STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY

PRNIA

OSP-0679

TABLE 1

SIEMENS HEALTHCARE GmbH SPECIAL SEISMIC CERTIFICATION CERTIFIED SYSTEM AND COMPONENTS



Manufacturer: Siemens Healthcare GmbH

System: SOMATOM CT Systems

	Siemens	Siemens Dimensions (in)				Mounting	111172	
System Component ¹	Part Number ³	Width Depth Height		Height	(lb)	Mounting	UUT ²	
		(Gantries					
Confidence	10590100	93.7	36.8	78.0	4523	floor	UUT _w -1	
Definition AS	8098027	92.9	36.7	78.0	4554	floor	UUT _y -2	
Definition AS Open	8098027	92.9	36.7	78.0	4554	floor	UUT _y -3	
Edge Plus	10267000	93.7	36.8	78.0	4607	floor	UUT _z -1	
Definition Edge	10590000	93.7	36.8	78.0	4851	floor	interpolated	
Definition Flash	1043 <mark>0603</mark>	91.bs	P-047.49	78.0	5614	floor	UUT _y -1	
Drive	104 <mark>3170</mark> 0	94.5	48.0	78.4	5672	floor	UUT _v -1	
Force	107 <mark>4232</mark> 6	94.5	46.5	78.3	5900	floor	UUT _z -2	
	Powe	r Distribu	ution Cabin	nets (PDC	9			
PDC-A	10662877	35.4	27.2	76.8	1162	floor / wall	UUT _v -4	
PDC-B	10662878	35.4	27.2	76.8	814	floor / wall	UUT _v -5	
PDC	10757110	47.2	1 D29.5 G	75.2	2027	floor / wall	UUT _u -4	

Notes:

¹ All 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.

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

t - TAF4-PB-16-226-V1 / u - SQ35-1423-01 / v - TAF4-PB-16-226-V1 / w - TAF4-PB-16-370-V1

x - TAF4-PB-17-033-V1 / y - TAF4-PB-16-310-V2 / z - TAF4-PB-18-059-V2

³ The two identification numbers listed for a single gantry are both used within the Siemens system to identify the same gantry that was tested. The Definition AS and Definition AS Open are the same gantry with minor differences in the cover bore diameter, software, license key, and tub collimator. Both are identifed by Siemens using the same primary model number and the differences are defined within the options of that main model number.

TABLE 1

SIEMENS HEALTHCARE GmbH SPECIAL SEISMIC CERTIFICATION CERTIFIED SYSTEM AND COMPONENTS



Manufacturer: Siemens Healthcare GmbH

System: SOMATOM CT Systems

S	Siemens]	Dimensions (i	n)	Weight	Mounting		
System Component ¹	Part Number ³	Width Depth Height			(lb)	Mounting	UUT ²	
	Image	Reconst	ruction Sys	tems (IRS	S)			
IRSxp2a	11652201	7.0	21.7	17.1	44	floor	UUT _t -6	
IRSmx6b	11652205	9.8	21.0	18.5	47	floor	interpolated	
IRSmx6e	11652206	9.8	21.0	18.5	48	floor	interpolated	
IRSmx6a	11652204	9.8	21.0	18.5	49	floor	interpolated	
IRSmx5a	10590110	8.3	17.7	26.8	53	floor	UUT _z -5	
IRSmx5b	10590111	8.305	P-0879	26.8	62	floor	UUT _z -6	
IRSmx5c	105 <mark>9011</mark> 2	8.3	17.7	26.8	60	floor	interpolated	
IRSmx5d	10 <mark>59011</mark> 3	8.3	17.7	26.8	60	floor	interpolate	
IRSmx5e	105 <mark>9011</mark> 4	A8.3:	06/113/2025	26.8	60	floor	interpolate	
IRSmx4a	10742 <mark>951</mark>	12.2	27.0	19.7	86	floor	UUT _u -6	
IRSmx4b	10890634	30.3	30.3 10.1		58	floor	UUT _x -4	
IRSmx4c	10890635	30.3	$ILD^{10.1}G$	20.0	53	floor	UUT _x -5	
IRSmx4d	10890636	26.2	10.0	20.1	61	floor	UUT _x -3	
	Ir	nage Cor	ntrol System	ı (ICS)				
PS22 PC Tower	11513979	6.7	14.0	15.2	15	floor	extrapolate	
ICS14E Tower	11513972	7.1	14.8	12.0	22	floor	extrapolate	
ICS Tower 13E	11062028	7.3	18.9	16.9	25	floor	UUT _x -1	
ICS Tower 12E	10864203	9.8	24.4	19.7	34	floor	UUT _x -2	

Notes:

¹ All 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 lab test reports:

t - TAF4-PB-16-226-V1 / u - SQ35-1423-01 / v - TAF4-PB-16-226-V1 / w - TAF4-PB-16-370-V1

x - TAF4-PB-17-033-V1 / y - TAF4-PB-16-310-V2 / z - TAF4-PB-18-059-V2

TABLE 1

SIEMENS HEALTHCARE GmbH SPECIAL SEISMIC CERTIFICATION CERTIFIED SYSTEM AND COMPONENTS



Manufacturer: Siemens Healthcare GmbH

System: SOMATOM CT Systems

Depth Tables ³ 3-159.3 7-158.7	Height 19.7-36.2 18.9-36.2	(lb) 846 933	Mounting floor floor	UUT ² UUT _w -2 UUT _v -4
3-159.3	19.7-36.2			
7-158.7	18.9-36.2	933	floor	UUT _v -4
				5
.5-179.5	24.3-41.7	1060	floor	UUT _z -3
.5-179.5	24.3-41.7	1066	floor	UUT _u -2
7-174.4	21.6-36.2	1311	floor	UUT _y -5
3-175.0	21.6-36.2	1175	floor	UUT _v -3
	23.0-38.6	1258	floor	UUT _z -4
	3-175.0 6-179.5	3-175.0 21.6-36.2	3-175.0 21.6-36.2 1175	3-175.0 21.6-36.2 1175 floor

Notes:

¹ All 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 lab test reports:

t - TAF4-PB-16-226-V1 / u - SQ35-1423-01 / v - TAF4-PB-16-226-V1 / w - TAF4-PB-16-370-V1

x - TAF4-PB-17-033-V1 / y - TAF4-PB-16-310-V2 / z - TAF4-PB-18-059-V2

³ Patient table weights listed do not include simulated patient weight used for test. See UUT summary sheets for simulated patient weights.

	SEISMIC CERTIFICATION LIMITS											
System Component	Code	S _{DS} (g)	z / h	I _P	a _P	R _P	Ω₀	$\mathbf{F}_{\mathbf{P}}$ / $\mathbf{W}_{\mathbf{P}}$				
Gantries	CBC 2022	2.0	1.0	1.50	1.0	1.5	2.0	2.40				
Power Distribution Cabinets (PDC)	CBC 2022	2.0	1.0	1.50	2.5	6.0	2.0	1.50				
Patient Tables	CBC 2022	2.0	1.0	1.50	1.0	1.5	2.0	2.40				
Image Reconstruction Systems (IRS)	CBC 2022	2.0	1.0	1.50	1.0	2.5	2.0	1.44				
Image Control System (ICS)	CBC 2022	2.0	1.0	1.50	1.0	2.5	2.0	1.44				

TABLE 2	SIEMENS HEA SPECIAL SEISMI UNIT UNDE	W.E. GUNDY & A STRUCTURAL & EARTH	GAI SSOCIATES, INC. QUARE ENGINEERING		
UUT	System Component	Lab	Report #	Test Date	Tested S_{DS} z / h = 1.0
UUT _z -1	Edge Plus Gantry	IABG, Munich	TAF4-PB-18-059-V2	Dec. 2017	2.00
UUT _z -2	Force Gantry	IABG, Munich	TAF4-PB-18-059-V2	Dec. 2017	2.00
UUT _z -3	PHS-4n Patient Table	IABG, Munich	TAF4-PB-18-059-V2	Dec. 2017	2.00
UUT _z -4	MPT-4 Patient Table	IABG, Munich	TAF4-PB-18-059-V2	Dec. 2017	2.00
UUT _z -5	IRSmx5a Image Reconstruction PC	IABG, Munich	TAF4-PB-18-059-V2	Dec. 2017	2.00
UUT _z -6	IRSmx5b Image Reconstruction PC	IABG, Munich	TAF4-PB-18-059-V2	Dec. 2017	2.00
UUT _y -1	Definition Flash Gantry	IABG, Munich	TAF4-PB-16-310-V2	Aug. 2016	2.00
UUT _y -2	Definition AS Gantry	IABG, Munich	TAF4-PB-16-310-V2	Aug. 2016	2.00
UUT _y -3	Definition AS Open Gantry	IABG, Munich	TAF4-PB-16-310-V2	Aug. 2016	2.00
UUT _y -4	PHS-4 Patient Table	IABG, Munich	TAF4-PB-16-310-V2	Aug. 2016	2.00
UUT _y -5	MPT-2 Patient Table	IABG, Munich	TAF4-PB-16-310-V2	Aug. 2016	2.00
			× ×		
UUT _x -1	ICS Tower 13E Image Control PC	IABG, Munich	TAF4-PB-17-033-V1	Jan. 2017	2.00
UUT _x -2	ICS Tower 12E Image Control PC	IABG, Munich	TAF4-PB-17-033-V1	Jan. 2017	2.00
UUT _x -3	IRSmx4d Image Reconstruction PC/	IABG, Munich	TAF4-PB-17-033-V1	Jan. 2017	2.00
UUT _x -4	IRSmx4b Image Reconstruction PC	IABG, Munich	TAF4-PB- <mark>17-03</mark> 3-V1	Jan. 2017	2.00
UUT _x -5	IRSmx4c Image Reconstruction PC	IABG, Munich	TAF4-PB-17-033-V1	Jan. 2017	2.00
		322222227552222			
UUT _w -1	Confidence Gantry	IABG, Munich	TAF4-PB-16-370-V1	Oct. 2016	2.00
UUT _w -2	PHS-1b Patient Table	IABG, Munich	TAF4-PB-16-370-V1	Oct. 2016	2.00
			COV		
UUT _v -1	Drive Gantry	IABG, Munich	TAF4-PB-16-226-V1	May 2016	2.00
UUT _v -3	MPT-2n Patient Table	IABG, Munich	TAF4-PB-16-226-V1	May 2016	2.00
UUT _v -4	Power Distribution Cabinet - PDC-A	IABG, Munich	TAF4-PB-16-226-V1	May 2016	2.00
UUT _v -5	Power Distribution Cabinet - PDC-B	IABG, Munich	TAF4-PB-16-226-V1	May 2016	2.00
UUT _u -2	PHS-5 Patient Table	ETL, TX	SQ35-1423-01	Nov. 2014	2.00
UUT _u -4	Power Distribution Cabinet - PDC	ETL, TX	SQ35-1423-01	Nov. 2014	2.00
UUT _u -6	IRSmx4a Image Reconstruction PC	ETL, TX	SQ35-1423-01	Nov. 2014	2.00
UUT _t -6	IRSxp2a Image Reconstruction PC	IABG, Munich	TA-B-000477-V1	March 2022	2.00

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid floor mounted with (4) M16 grade 12.9 bolts



UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid floor mounted with (4) M16 grade 12.9 bolts



UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid floor mounted with (4) M10 grade 12.9 bolts

Manufacturer: Siemens Healthcare GmbH Component: PHS-4n Patient Table Model Number: 11268204 Wurder: Manufacturer: Model Number: 11268204 UUT Function: Motorized patient table for moving patient through CT system											
UUT Descripti	ion: Componer	nt of SOMAT	OM CT s	ystems							
		τ	JUT PRC	PERTI	ES						
Weight (lb)		mensions (inc			N	latural Freq	uency (Hz)				
with Patient	Width	Depth		ight	FB	SS		V			
1,475	29.5	100.5 - 179.		- 41.7	3.4	2.		9.7			
	noves vertically and ing position with a 1415lbs.	horizontal exten	sion of 39.4	4" (139.8"	length), vertica						
		2FI2W	IC TEST	rakan	VIE I EKS		1				
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 / I	CC-ES AC156	2.00	1.0	1.5	3.20	2.40					
	CC-E5 AC150	2.50	0.0	1.5			1.67	0.67			
	as full of contents d ural integrity durin				before and aft	er the ICC-ES	S AC156 test.	The unit			

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid floor mounted with (4) M10 grade 12.9 bolts

Amufacturer: Seemes Healthcare Gmbl Test Location: LAGE moble de management												
Manufacturer	: Siemens Heal	thcare GmbH	I		Test Lo	oc	ation: IAE	3G mbH, G	ermany	7		
Component:	MPT-4 Patient 7	Table			Test Da	at	e: Decemb	er 2017				
Model Numbe	er: 10742324	PAIR			Report	P	umber: 7	TAF4-PB-1	8-059-1	V2		
UUT Function	: Motorized pa	tient table for	r mo	oving p	atient t	hr	ough CT sy	/stem				
UUT Descript	ion: Componen	t of SOMAT	OM	1 CT sy	stems							
		τ	JUT	[PRO	PERTI	E	S					
Weight (lb)	Dir	nensions (inc						atural Freq	uencv (Hz)		
with Patient	Width	Depth		Heig	ght		FB	SS			V	
1,818	27.8	99.6 - 179.5	5	23.0 -	38.6		3.0	> 33	8.0		14.0	
	noves vertically and ing position with a l 560lbs.											
		SEISM		TEST	PARA	M	ETERS			_		
Building Code	e / Test Criteria	S _{DS} (g)	Z	z / h	IP		A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V}	(g)	A _{RIG-V} (g)	
				1.0	1.5					()	(0)	

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid floor mounted using Siemens provided seismic restraint kit SN:10432402. Seismic restraint kit includes 1" wide hand-tightened cam buckle strap (560lb WLL) thru angle brackets at each side of UUT. Angle brackets are anchored with (1) M10 grade 8.8 bolt each.



Manufacturer: Siemens Healthcare GmbH	Test Location: IABG mbH, Germany
Component: PC IRSmx5a Imaging System UIL	Test Date: December 2017
Model Number: 10590110	Report Number: TAF4-PB-18-059-V2

UUT Function: Imaging system PC

UUT Description: Component of SOMATOM CT systems

UUT PROPERTIES

Waight (1h)	Din	nensions (in	ches)		Natural Frequency (Hz)						
Weight (lb)	Width	Depth	Hei	ght FB		SS	5	V			
53	8.3	17.7	26	.8	> 33.0	27.	4	> 33.0			
SEISMIC TEST PARAMETERS											
Building Code	e / Test Criteria	$S_{DS}(g)$	z / h	IP	$A_{FLX-H}\left(g ight)$	$A_{RIG-H}\left(g ight)$	$A_{FLX-V}(g)$	$A_{RIG-V}\left(g ight)$			
CBC 2022 / ICC-ES AC156		2.00	1.0	1.5	3.20	2.40					
		2.50	0.0	1.5			1.67	0.67			
NI (TTI - '(C_{11} C_{12} $(+)$ $(+)$ $(+)$	• • •	1 1	C 1	1 0 1 0		1 1 015(+ +	TT1 ···			



UUT_y-1

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid floor mounted with (4) M16 grade 12.9 bolts



UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid floor mounted with (4) M16 grade 12.9 bolts



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

UUT_y-3

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid floor mounted with (4) M16 grade 12.9 bolts



Manufacturer: Siemens Healthcare GmbH	Test Location: IABG mbH, Germany			
Component: SOMATOM Definition AS Open	Test Date: August 2016			
Primary Model Number: 8098555 Secondary Model Number: 8098027	Report Number: TAF4-PB-16-310-V2			
IIIIT Function: Continuous rotating x-ray to gene	rate diagnostic imaging			

UUT Function: Continuous rotating x-ray to generate diagnostic imaging

UUT Description: Component of SOMATOM CT systems

UUT PROPERTIES

Waight (1h)	Dimensions (inches)					Natural Frequency (Hz)			
Weight (lb)	Width	Depth	Hei	ght	FB	SS	5	V	
4,554	92.9	36.7	78	.0	12.0	15.	.1	> 33.0	
SEISMIC TEST PARAMETERS									
Building Code	e / Test Criteria	$S_{DS}(g)$	z / h	IP	$A_{FLX-H}\left(g ight)$	$A_{RIG-H}\left(g\right)$	$A_{FLX-V}(g)$	$A_{RIG-V}\left(g ight)$	
CBC 2022 / ICC-ES AC156		2.00	1.0	1.5	3.20	2.40			
		2.50	0.0	1.5	1.67		1.67	0.67	
Note: The unit wa	as full of contents du	ring testing a	nd remained	functional	before and aft	er the ICC-ES	SAC156 test.	The unit	

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid floor mounted with (4) M10 bolts

Manufacturer	: Siemens Heal	thcare GmbH		Test Lo	ecation: IAF	GG mbH, G	ermany	
Component:	PHS-4 Patient T	able		Test Da	ite: August	2016		
Model Numbe	er: 8097144	NIA.		Report	Number: 7	ГАF4-PB-1	6-310-V2	
UUT Function	: Motorized pa	tient table for	moving p	atient th	rough CT sy	ystem		
UUT Descript	ion: Componen	t of SOMAT	OM CT sy	ystems				
		U	UT PRO	PERTI	ES			
Weight (lb)	Dir	nensions (inc			N	latural Freq	uency (Hz)	
with Patient	Width	Depth	Hei		FB	SS		V
1,241	29.5	95.7 - 158.7	18.9 -	36.2	3.3	13.	.2	12.2
	noves vertically and ing position with a l 308lbs.							
		SEISMI	C TEST	PARA	METERS			
Building Code	e / Test Criteria	S _{DS} (g)	z / h	IP	A _{FLX-H} (g)	$A_{RIG-H}(g)$	A _{FLX-V} (g)	$A_{RIG-V}(g)$
		2.00	1.0	1.5	3.20	2.40		
CBC 2022 / I	CC-ES AC156	2.50	0.0	1.5			1.67	0.67
	as full of contents d tural integrity during				before and aft	er the ICC-ES	S AC156 test.	The unit

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid floor mounted with (4) M10 bolts



UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid floor mounted using Siemens provided seismic restraint kit SN:10432402. Seismic restraint kit includes 1" wide hand-tightened cam buckle strap (560lb WLL) thru angle brackets at each side of UUT. Angle brackets are anchored with (1) M10 grade 8.8 bolt each.



Manufacturer: Siemens Healthcare GmbH	Test Location: IABG mbH, Germany				
Component: ICS Tower 13E	Test Date: January 2017				
Model Number: 11062028	Report Number: TAF4-PB-17-033-V1				

UUT Function: Imaging control system

UUT Description: Component of SOMATOM CT systems

UUT PROPERTIES Natural Frequency (Hz) **Dimensions** (inches) Weight (lb) V Width FB Depth Height SS 7.3 16.9 30.9 > 33.0 25 18.9 > 33.0 SEISMIC TEST PARAMETERS Building Code / Test Criteria $S_{DS}(g)$ z / h Ip $A_{FLX-H}(g) | A_{RIG-H}(g) | A_{FLX-V}(g) | A_{RIG-V}(g)$ 1.0 1.5 2.00 3.20 2.40 -----CBC 2022 / ICC-ES AC156 2.50 0.01.5 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

UUTx	-2		UNDE MMA		ST (UUT IEET)	W.E. GUNDY STRUCTURAL &	E & A EARTH	GAI SSOCIATES, INC. QUAKE ENGINEERING
Mounting Det	Mounting Details: Rigid floor mounted using Siemens provided seismic restraint kit SN:10432402. Seismic restraint kit includes 1" wide hand-tightened cam buckle strap (200lb WLL) thru angle brackets at each side of UUT. Angle brackets are anchored with (1) 3/8 grade 8 bolt each.								
UUT-2									
Manufacturer	: Siemens Heal	thcare GmbH		Test Lo	cation: Env	vironmental	l Test La	bo	ratory
Component:	ICS Tower 12E	L'VIA		Test Da	te: January	2017			
Model Numbe	er: 10864203		JUILE	Report	Number: 🗌	ГАF4-PB-1	7-033-V	1	
UUT Function	: Imaging cont	rol system							
UUT Descript	ion: Componen	t of SOMATO	OM CT s	ystems					
		U	UT PRO	PERTI	ES		_		
Weight (lb)	Dir	mensions (incl	nes)		N	atural Freq	uency (I	Hz)	
	Width	Depth	Hei	-	FB	SS			V
34	9.8	24.4	19		> 33.0	20.	.3		> 33.0
		SEISMI	C TEST	PARAN	1ETERS				1
Building Code	e / Test Criteria	S _{DS} (g)	z / h	IP	$A_{FLX-H}(g)$	$A_{RIG-H}\left(g ight)$	AFLX-V	(<u>g</u>)	$A_{RIG-V}(g)$
CDC 2022 / I		2.00	1.0	1.5	3.20	2.40			
CBC 2022 / ICC-ES AC156 2.50 0.0 1.5 1.67 0.67							0.67		
	as full of contents d ural integrity during				before and aft	er the ICC-ES	S AC156 t	est.	The unit

UUTx-3UNIT UNDER TEST (UUT) SUMMARY SHEETWEGAI W.E. GUNDY & ASSOCIATES, INC. STRUCTURAL & EARTHOUAKE ENGINEERING									
Mounting Det	Seismic re thru angle	or mounted usin estraint kit inclu brackets at eac bolt each.	ides 1" wide ha	nd-tightened	cam buckle	strap (560)	lb WLL)		
					JUT-3				
Manufacturer	: Siemens Hea	althcare GmbH	Test L	Location: IAB	G mbH. G	ermany			
	: Siemens Hea PC IRSmx4d Ir			Location: IAE		ermany			
Component:	PC IRSmx4d Ir		Test E	Date: January	2017				
Component: Model Numbe	PC IRSmx4d In er: 10890636	naging System	Test E		2017				
Component: Model Numbe UUT Function	PC IRSmx4d In er: 10890636 n: Imaging syst	naging System em PC	COLL Test C Repor	Date: January	2017				
Component: Model Numbe UUT Function	PC IRSmx4d In er: 10890636 n: Imaging syst	naging System em PC nt of SOMATC	OM CT systems	Date: January	2017				
Component: Model Numbe UUT Function UUT Descript	PC IRSmx4d In er: 10890636 i: Imaging syst ion: Compone	naging System em PC nt of SOMATC UI	OM CT systems	Date: January t Number: 7	2017 ΓΑF4-PB-1	7-033-V1			
Component: Model Numbe UUT Function	PC IRSmx4d In er: 10890636 i: Imaging syst ion: Compone	naging System em PC nt of SOMATC	OM CT systems	Date: January t Number: 7	2017	7-033-V1 uency (Hz)) V		
Component: Model Numbe UUT Function UUT Descript	PC IRSmx4d In er: 10890636 i: Imaging syst ion: Compone	naging System em PC nt of SOMATC UI mensions (inch	OM CT systems UT PROPERT les)	ate: January t Number: 7 IES	2017 ΓAF4-PB-1 latural Freq	7-033-V1 uency (Hz)			
Component: Model Numbe UUT Function UUT Descript Weight (lb)	PC IRSmx4d In er: 10890636 i: Imaging syst ion: Compone Di Width	naging System em PC nt of SOMATC UI mensions (inch Depth 10.0	OM CT systems UT PROPERT (es) Height	Date: January t Number: 7 IES FB > 33.0	2017 FAF4-PB-1 latural Freq	7-033-V1 uency (Hz)	V		
Component: Model Numbe JUT Function JUT Descript Weight (lb) 61	PC IRSmx4d In er: 10890636 i: Imaging syst ion: Compone Di Width 26.2	naging System em PC nt of SOMATC UU mensions (inch Depth 10.0 SEISMIC	OM CT systems UT PROPERT (es) Height 20.1	ate: January t Number: T IES IES N FB > 33.0	2017 FAF4-PB-1 latural Freq SS 26.	7-033-V1 uency (Hz) S 0	V > 33.0		
Component: Model Numbe UUT Function UUT Descript Weight (lb) 61 Building Code	PC IRSmx4d In r: 10890636 i: Imaging syst ion: Compone Di Width 26.2 e / Test Criteria	naging System em PC nt of SOMATC UU mensions (inch Depth 10.0 SEISMIC S _{DS} (g)	Test I Report OM CT systems UT PROPERT tes) Height 20.1 C TEST PARA z / h IP	Date: January t Number: T IES IES N FB > 33.0 METERS AFLX-H (g)	2017 ГАF4-PB-1 latural Freq SS 26. А _{RIG-H} (g)	7-033-V1 uency (Hz)	V > 33.0		
Component: Model Numbe UUT Function UUT Descript Weight (lb) 61 Building Code	PC IRSmx4d In er: 10890636 i: Imaging syst ion: Compone Di Width 26.2	naging System em PC nt of SOMATC UU mensions (inch Depth 10.0 SEISMIC	OM CT systems UT PROPERT es) Height 20.1 C TEST PARA	ate: January t Number: T IES IES N FB > 33.0	2017 FAF4-PB-1 latural Freq SS 26.	7-033-V1 uency (Hz) 5 0 A _{FLX-V} (g)	V > 33.0		

UUTx	-4		UNDE		ST (UUT HEET)	W.E. GUNDY & STRUCTURAL & EAR	GAI ASSOCIATES, INC. ITHOUAKE ENGINEERING
Mounting Det	Seismic r	estraint kit ind brackets at e	cludes 1" v	vide han	d-tightened	cam buckle	strap (560	Olb WLL)
					UUT-4			
Manufacturer	: Siemens Hea	lthcare Gmb	H	Test Lo	cation: IAI	BG mbH, G	ermany	
Component:	PC IRSmx4b I	naging System	mBUTI F	HNY	te: January			
Model Numbe				Report	Number:	ГАF4-PB-1	7-033-V1	
UUT Function								
UUT Descript	ion: Compone	nt of SOMA	FOM CT s	ystems				
			UUT PRO	PERTI	ES			
Weight (lb)		mensions (in				atural Freq		/
	Width	Depth	Hei	-	FB	SS		V 22.0
58	30.3	10.1	20		> 33.0	23.	.0	> 33.0
			IIC TEST	PAKAN	METERS			
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 / I	CC-ES AC156	2.00	1.0	1.5	3.20	2.40		
		2.50	0.0	1.5			1.67	0.67
	as full of contents ural integrity durin				l before and aft	er the ICC-ES	S AC156 tes	t. The unit

UUTx	-5		UNDE MMAI		ST (UUT IEET)	W.E. GUNDY & STRUCTURAL & EA	EGAI ASSOCIATES, INC. RTHQUAKE ENGINEERING
Mounting Det		straint kit incl brackets at ea	ludes 1" v	vide han	d-tightened	cam buckle	strap (56	0lb WLL)
			JT-5					
Manufacturer	: Siemens Heal	thcare GmbH		Test Lo	cation: IAI	3G mbH, G	ermany	
Component:	PC IRSmx4c Im	aging System	DI ITI E	Test Da	te: January	2017		
Model Numbe	er: 10890635		SOILL	Report	Number: 🗌	ГАF4-PB-1	7-033-V1	
UUT Function	: Imaging syste	em PC						
UUT Descript	ion: Componen	t of SOMAT	OM CT s	ystems				
		U	UT PRO	PERTI	ES			
Waight (14)	Dir	nensions (inc	hes)		N	atural Freq	uency (H	z)
Weight (lb)	Width	Depth	Hei	ght	FB	SS	S	V
53	30.3	10.1	20	.0	29.5	> 33	3.0	> 33.0
		SEISMI	C TEST	PARAN	IETERS			
Building Code	e / Test Criteria	S _{DS} (g)	z / h	IP	$A_{FLX-H}(g)$	$A_{RIG-H}(g)$	A _{FLX-V} (§	g) $A_{RIG-V}(g)$
		2.00	1.0	1.5	3.20	2.40		
CBC 2022 / I	CC-ES AC156	2.50	0.0	1.5			1.67	0.67
	as full of contents d ural integrity during	uring testing and			before and aft	er the ICC-ES	S AC156 te	st. The unit

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid floor mounted with (4) M16 bolts

	: Siemens Healt SOMATOM Cor			Contraction of the second seco	cation: IAE		ermany	
Model Numbe		indence da		<u>HNU</u>	Number: 7		6-370-V1	
	: Continuous ro	tating v_ray					0-370- 1	
	ion: Component				sere intaging	,		
o o i bescript	ion, component		UUT PRO		FS			
	Dim	nensions (in				atural Freq	uency (U	7)
Weight (lb)	Width	Depth	Hei	ght	FB	atural Freq		<u>z)</u> V
4,523	93.7	36.8	78	-	FB SS 11.7 15.0			> 33.0
	·	SEISM	IIC 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	g) $A_{RIG-V}(g)$
		2.00	1.0	1.5	3.20	2.40		
CBC 2022 / I	CC-ES AC156	2.50	0.0	1.5			1.67	0.67
Note: The unit w maintained struct	as full of contents du ural integrity during	ring testing a	nd remained ICC-ES AC1	functional 56 test.	before and aft	er the ICC-ES	S AC156 tes	st. The unit

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid floor mounted with (4) M10 bolts

g 2 cc			() !!!!	0 0 0 1 0				
Manufacturer	: Siemens Heal	thcare Gmbl	Harabaasa	Test Lo	cation: IAI	BG mbH. G	ermany	
	PHS 1b Patient				te: October		5	
Model Numbe				Report Number: TAF4-PB-16-370-V1				
UUT Function	: Motorized pa	tient table for	r moving	patient th	rough CT sy	ystem		
	ion: Componer		$\overline{\bigcirc}$	HNY		·		
	1		JUT PRO		ES			
Weight (lb)	Dit	nensions (inc				latural Fred	uency (Hz)	
with Patient	Width	Depth		ght	FB	SS		V
1,220	29.5	96.3 - 159.3		- 36.2	11.6	5.	8	11.5
	noves vertically and ing position with a l 374lbs.							
		SEISM	IC TEST	PARAM	METERS			
Building Code	e / Test Criteria	$S_{DS}(g)$	z / h	Ip	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	$A_{RIG-V}(g)$
		2.00	1.0	1.5	3.20	2.40		
CBC 2022 / I	CC-ES AC156	2.50	0.0	1.5			1.67	0.67
	as full of contents d ural integrity during	uring testing ar	nd remained	functional	before and aft	er the ICC-ES		

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid floor mounted with (4) M16 bolts



UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid floor mounted with (4) M10 bolts

8	unst Higha Hool	incunted wi	(1) 101	0 00100				
Manufacturer	: Siemens Heal	thcare GmbI		Test Lo	ocation: IAI	<mark>BG</mark> mbH, G	ermany	
Component:	MPT-2n			Test Da	ate: May 20	16		
Model Numbe	r: 11268202			Report	Number: 7	ГАF4-PB-1	6-266-V1	
UUT Function	: Motorized pat	tient table for	r moving	patient th	nrough CT s	ystem		
UUT Descript	ion: Componen	t of SOMAT	OM CT	systems				
		ι	JUT PRO	OPERTI	ES			
Weight (lb)	Dir	nensions (ind	ches)		N	latural Freq	uency (Hz)	
with Patient	Width	Depth	He	eight	FB	SS		V
1,483	29.5	96.3 - 175.0	21.6	- 36.2	11.6	4.0	0	15.7
	noves vertically and ng position with a h 308lbs.							
		SEISM	IC TEST	PARA	METERS			
Building Code	e / Test Criteria	$S_{DS}(g)$	z / h	Ip	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	$A_{RIG-V}(g)$
		2.00	1.0	1.5	3.20	2.40		
CBC 2022 / I	CBC 2022 / ICC-ES AC156 2.50 0.0 1.5 1.67 0.67							
	as full of contents d ural integrity during				l before and aft	er the ICC-ES	S AC156 test.	The unit

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid wall mounted at top back side of unit with (2) M8 grade 8 bolts and rigid floor mounted with (4) M10 grade 8 bolts. Siemens wall mount brackets, shown below, bolt thru the long leg, at the beginning of the slot, to the UUT with a single M12 grade 8.8 bolt torqued at 50 ft-lbs.



UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid wall mounted at top back side of unit with (2) M8 grade 8 bolts and rigid floor mounted with (4) M10 grade 8 bolts. Siemens wall mount brackets, shown below, bolt thru the long leg, at the beginning of the slot, to the UUT with a single M12 grade 8.8 bolt torqued at 50 ft-lbs.



Manufacturer: Siemens Healthcare GmbH	Test Location: IABG mbH, Germany
Component: Power Distribution Cabinet (PDC-B)	Test Date: May 2016
Model Number: 10662878	Report Number: TAF4-PB-16-266-V1

UUT Function: Power distribution to CT system

UUT Description: Component of SOMATOM CT systems

UUT PROPERTIES

Weight (lb)	Dimensions (inches)				Natural Frequency (Hz)				
	Width	Depth	Hei	ght	FB	SS	5	V	
814	35.4	27.2 76.8		N/A	N/A		N/A		
SEISMIC TEST PARAMETERS									
Building Code / Test Criteria S _{DS} (g) z / h I _P A _{FLX-H} (g) A _{RIG-H} (g) A _{FLX-V} (g) A _{RI}						$A_{RIG-V}(g)$			
CDC 2022 / I		2.00	1.0	1.5	3.20	2.40			
CBC 2022 / ICC-ES AC156		2.50	0.0	1.5			1.67	0.67	
Note: The unit w	as full of contents d			_	 before and aft	er the ICC-ES			

UNIT UNDER TEST (UUT) SUMMARY SHEET



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



DATE: 06/16/2025

Manufacturer: Siemens Healthcare GmbH	Test Location: Environmental Test Laboratory
Component: PHS-5 Patient Table	Test Date: November 2014
Model Number: 10742323	Report Number: SQ35-1423-01

UUT Function: Motorized patient table for moving patient through CT system

UUT Description: Component of SOMATOM CT systems

UUT PROPERTIES

Weight (lb)	Di	imensions (inche	es)	Natural Frequency (Hz)			
with Patient	Width	Width Depth Height			SS	V	
1,506	29.5	100.5 - 179.5	24.3 - 41.7	2.9	2.6	10.7	

The patient table moves vertically and horizontally to accommodate different patients and procedures. The system was tested in the normal operating position with the table top extended, and a total simulated patient weight of 440lbs.

SEISMIC TEST PARAMETERS							
Building Code / Test Criteria	$S_{DS}(g)$	z / h	Ip	$A_{FLX-H}\left(g ight)$	$A_{RIG-H}\left(g ight)$	$A_{FLX-V}(g)$	$A_{RIG-V}\left(g\right)$
CBC 2022 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	1.34	0.54
	•	1 1 1	0 1	1 0 1 0	1 LOG E		7701 ·



UUTu	-6		UNDE UMMA		ST (UUT HEET)	W.E. GUNDY & A STRUCTURAL & EARTH	GAI SSOCIATES, INC. QUAKE ENGINEERING	
Mounting Det	Seismic thru ang	oor mounted us restraint kit in le brackets at e oolt each.	cludes 1" v	wide har	nd-tightened	cam buckle	strap (2001	b WLL)	
Manufacturer							l Test Labo	ratory	
Component:		Imaging Syste	m		ate: Novemb		01		
Model Numbe				Keport	t Number:	SQ35-1423	-01		
UUT Function	001								
UUT Descript	ion: Compon								
	I		UUT PRC	PERTI	1				
Weight (lb)		Dimensions (in	<i>,</i>	• 1 .			uency (Hz)		
	Width	Depth 27.0		<u> </u>	ght FB		S	V	
86	12.2	27.0	1).7	17.5	14	.0	> 33.0	
					METERS		1		
Building Cod	Building Code / Test Criteria S _{DS} (g) z / h		Ip	A _{FLX-H} (g)	$A_{RIG-H}(g)$	$A_{FLX-V}(g)$	ARIG-V (g)		
CBC 2022 / ICC-ES AC1562.001.01.53.202.401.340.54Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit									
Note: The unit w maintained struct					al before and aft	ter the ICC-E	S AC156 test.	The unit	

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 Description: Component of the NAEOTOM Alpha CT systems.

UUT PROPERTIES

Weight (lb)	Dimensions (inches)				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 / 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								$A_{RIG-V}(g)$	
CDC 2022 / 1	2/100 55 4 015(2.00		1.0	1.5	3.20	2.40	-	-	
CBC 2022 / ICC-ES AC156		2.50	0	1.5	-	-	1.67	0.67	