



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

**APPLICATION FOR HCAI SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)**

OFFICE USE ONLY

APPLICATION #: OSP-0865

HCAI Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: Siemens Healthineers AG

Manufacturer's Technical Representative: Yuan Peng

Mailing Address: Siemensstr. 3, Forchheim, Forchheim 91301

Telephone: (49162) 578-7300 Email: yuan.peng@siemens-healthineers.com

Product Information

Product Name: YSIO X.pree and LUMINOS Q.namix T/R Radiography and Fluoroscopy Systems

Product Model Number(s): See attachments

Product Category: Fluoroscopy and Radiography Systems

Product Sub-Category: Fluoroscopy and Radiography Systems

General Description: Multi-component digital and analog radiographic medical imaging systems.

Mounting Description: Several - See Certified Product Tables and UUT Sheet

Tested Seismic Enhancements: None

Applicant Information

Applicant Company Name: WE Gundy & Associates, Inc

Contact Person: Travis Soppe

Mailing Address: PO Box 9121, Boise, ID 83707

Telephone: (208) 342-5989 Email: tsoppe@wegai.com

Title: President

"A healthier California where all receive equitable, affordable, and quality health care"



STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY



**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 ICC-ES AC156 IEEE 344 IEEE 693 NEBS 3

Other (Please Specify):

Testing Laboratory

Company Name: IABG TEST LABORATORY

Contact Person: Steven Roedling

Mailing Address: Einsteinstrasse 20, Ottobrunn Bavaria 85521

Telephone: (49896) 088-2052

Email: roedling@iabg.de

BY: Mohammad Karim

DATE: 12/30/2025

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Seismic Parameters

Certified Response Spectral Acceleration Factors: (F_p/W_p)

Horizontal (A Flx-H), g= 3.2 (A Rig-H), g= 2.15

Vertical (A Flx-V), g= 1.68 (A Rig-V), g= 0.68

SDS (Design spectral response acceleration at short period, g) = 2.5 at z/h = 0; 2.0 at z/h = 1.0

H_f (Force amplification height factor) = 1 at z/h = 0; 3.5 at z/h = 1

R_u (Structure ductility reduction factor) = 1 at z/h = 0; 1.3 at z/h = 1

I_p (Importance factor) = 1.5

z/h (Height ratio factor) = 0 and 1

HCAi Approval (For Office Use Only) - Approval Expires on 12/30/2031

Date: 12/30/2025

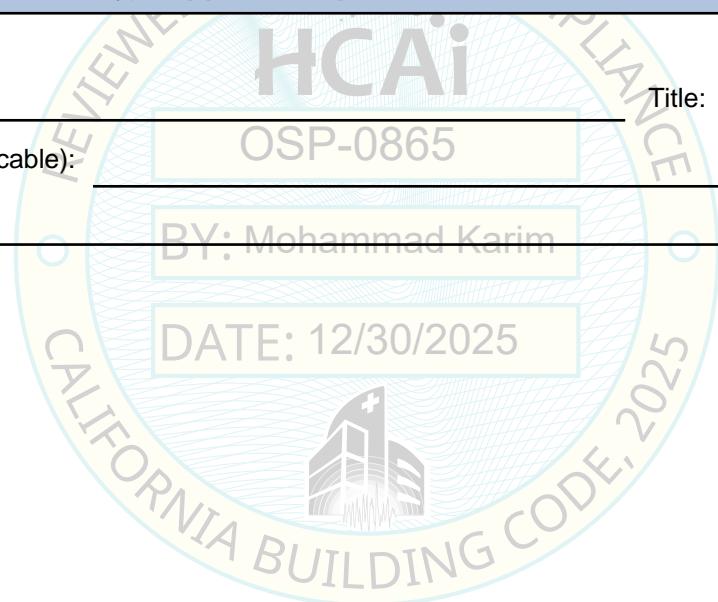
Name: Mohammad Karim

Title: Supervisor, Health Facilities

Condition of Approval (if applicable): _____

BY: Mohammad Karim

DATE: 12/30/2025



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STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY

Table 1	SIEMENS HEALTHINEERS AG SPECIAL SEISMIC CERTIFICATION CERTIFIED SYSTEM AND COMPONENTS							 WEGAI W.E. GUNDY & ASSOCIATES, INC. STRUCTURAL & EARTHQUAKE ENGINEERING	
	System:	YSIO X.pree and LUMINOS Q.namix T/R X-Ray and Fluoroscopy Systems			Manufacturer: Siemens Healthineers AG				
System Component¹	Siemens Part Number	Dimensions (in)			Weight (lb)³	Mounting	UUT²		
		Width	Length	Height					
Ceiling Suspension X-Ray Tube									
Tube stand 3D V SF Carriage 3D 3m SF motorized	07042125 (stand) 07042091 (carriage)	119.0	167.0	33.0-103.0	803	ceiling	UUT _q -1		
Tube stand 3D V GB motorized Carriage 3D V 3m	11565245 (stand) 11565246 (carriage)	119.0	167.0	33.0-103.0	803	ceiling	interpolated		
Tube stand 3D V SF Carriage 3D 4m manual	07042125 (stand) 07042141 (carriage)	172.0	167.0	33.0-103.0	816	ceiling	UUT _q -2		
Tube stand 3D V GB motorized Carriage 3D V 4m	11565245 (stand) 11565247 (carriage)	172.0	167.0	33.0-103.0	847	ceiling	interpolated		
Tube stand 3D V GB semi-motor Carriage 3D V 3m	11565240 (stand) 07042133 (carriage)	172.0	167.0	33.0-103.0	849	ceiling	UUT _u -1		
Bucky Wall Stands									
Bucky Wall Stand Wifi Detector	11506510 (stand) 11506513 (wifi)	31.9	33.1	86.3	426	floor	UUT _s -7		
Bucky Wall Stand Fixed Detector	11506510 (stand) 11506512 (fixed)	31.9	33.1	86.3	426	floor	UUT _r -8		
Fluoroscopy Patient Tables									
PIKE Classic dTF Table	11564199	85.8	83.0	69.0	3907	floor	UUT _w -1		
PIKE Remote dRF Table	11564200 11564299	85.8	75.2	81.5	3395	floor	UUT _w -2		
Display Ceiling Suspension									
DCS - Ceiling Rail DCS - Monitor DCS - Rail Carriage	11688593 11688592 11688746	104-170	22.4-79	37 - 82.4	265	ceiling	UUT _y -5		
¹ All components are manufactured by Siemens Healthcare GmbH unless noted. Part numbers listed uniquely identify the type of component, manufacturer, and material of construction for each sub-component within the tested units.									
² The units were tested at different times and the subscripts on the UUTs reference the following seismic test reports: p = TAF4-PB-17-033-V1 q = TAB3-PB-20-134-V1 r = TAB3-PB-21-148-V1 s = TAB3-PB-21-153-V1 t = TA-B-002931-V1 u = TA-B-05196-V1 v = TA-B-006924_V1 w = TA-B-006466_V1 x = TA-B-006468-V1 y = TA-B-006469_V1									
³ Patient table weights do not include simulated patient weights, see UUT summary sheets for simulated patient weights.									
SEISMIC CERTIFICATION LIMITS									
CODE	Ip	S_{DS} (g)	z / h	H_f	R_μ	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)
CBC 2025	1.5	2.0	1.0	3.5	1.3	3.20	2.15	1.34	0.54
		2.5	0	1.0	1.0	2.50	1.00	1.68	0.68

Table 1	SIEMENS HEALTHINEERS AG SPECIAL SEISMIC CERTIFICATION CERTIFIED SYSTEM AND COMPONENTS							 WEGAI W.E. GUNDY & ASSOCIATES, INC. STRUCTURAL & EARTHQUAKE ENGINEERING							
	System:	YSIO X.pree and LUMINOS Q.namix T/R X-Ray and Fluoroscopy Systems			Manufacturer: Siemens Healthineers AG										
System Component¹	Siemens Part Number	Dimensions (in)			Weight (lb)³	Mounting	UUT²								
		Width	Length	Height											
Patient Tables															
Patient RAD Table 1			31.5	96.9	20.3-37.6	1035	floor	UUT _u -3							
Patient RAD Table 2			31.5	83.9	19.6-36.0	883	floor	UUT _s -5							
Patient RAD Table 3			31.5	91.7	19.6-36.0	893	floor	UUT _s -4							
Patient Table Subcomponents Table															
Patient Table Subcomponents	Subcomponent ID	Notes				UUT									
Lifting Base	11168919	374 lb, 19.0 x 38.8 x (12.2-30.3) in				UUT _u -3									
Lifting Base	11506889	407 lb, 19.7 x 35.1 x (12.2-30.3) in				UUT _s -4 / UUT _s -5									
Middle Module	11584323	253 lb, 20.9 x 56.0 x 5.9 in				UUT _s -4 / UUT _s -5									
Middle Module	11585049	264 lb, 21.7 x 56.8 x 5.9 in				UUT _u -3									
Bucky Tray Module - Fixed	11667350	66 lb, 26.0 x 21.7 x 4.2 in				UUT _u -3									
Bucky Tray Module - Wireless	11667780	66 lb, 26.0 x 21.7 x 4.2 in				interpolated									
Bucky Tray Module - Wireless	11506861	66 lb, 26.0 x 21.7 x 4.2 in				UUT _s -4 / UUT _s -5									
Tabletop Module short	11368305	93 lb, 31.5 x 83.7 x 1.6 in				UUT _s -5									
Tabletop Module regular	11145351	99 lb, 31.5 x 91.6 x 1.6 in				UUT _s -4									
Tabletop Module Conventional	11585042	110 lb, 31.5 x 96.7 x 1.4 in				interpolated									
Tabletop Module Flat	11585030	110 lb, 31.5 x 96.9 x 1.4 in				UUT _u -3									
Cover Module - Lift 1	11369055	40 lb, 22.0 x 56.8 x (12.2-30.3) in				UUT _s -4 / UUT _s -5									
Cover Module - Lift 1 Advanced	11667871	44 lb, 22.0 x 61.0 x (12.2-30.3) in				interpolated									
Cover Module - Lift 2 Advanced	11667805	44 lb, 22.0 x 61.0 x (12.2-30.3) in				UUT _u -3									
¹ All components are manufactured by Siemens Healthcare GmbH unless noted. Part numbers listed uniquely identify the type of component, manufacturer, and material of construction for each sub-component within the tested units.															
² The units were tested at different times and the subscripts on the UUTs reference the following seismic test reports: p = TAF4-PB-17-033-V1 q = TAB3-PB-20-134-V1 r = TAB3-PB-21-148-V1 s = TAB3-PB-21-153-V1 t = TA-B-002931-V1 u = TA-B-05196-V1 v = TA-B-006924_V1 w = TA-B-006466_V1 x = TA-B-006468-V1 y = TA-B-006469_V1															
³ Patient table weights do not include simulated patient weights, see UUT summary sheets for simulated patient weights.															
SEISMIC CERTIFICATION LIMITS															
CODE	Ip	S_{DS} (g)	z / h	H_f	R_μ	A_{FLX-H} (g)	A_{RIG-H} (g)	A_{FLX-V} (g)	A_{RIG-V} (g)						
CBC 2025	1.5	2.0	1.0	3.5	1.3	3.20	2.15	1.34	0.54						
		2.5	0	1.0	1.0	2.50	1.00	1.68	0.68						

Table 1	SIEMENS HEALTHINEERS AG SPECIAL SEISMIC CERTIFICATION CERTIFIED SYSTEM AND COMPONENTS							 W.E. GUNDY & ASSOCIATES, INC. STRUCTURAL & EARTHQUAKE ENGINEERING	
	System:	YSIO X.pree and LUMINOS Q.namix T/R X-Ray and Fluoroscopy Systems			Manufacturer: Siemens Healthineers AG				
System Component ¹	Siemens Part Number	Dimensions (in)			Weight (lb) ³	Mounting	UUT ²		
		Width	Length	Height					
Generators									
Generator Polydoros RFX UG-R80-1WP	11011022 11011808	23.9	23.9	63.0	388	floor / wall	UUT _v -3		
Generator Polydoros RFX UG-R65-1WP	11011022 11011807	23.9	23.9	63.0	408	floor / wall	interpolated		
Generator Polydoros RFX UG-F80-1WP	11011022 11011805	23.9	23.9	63.0	472	floor / wall	interpolated		
Generator Polydoros RFX UG-F80-2WP	11011022 11011806	23.9	23.9	63.0	542	floor / wall	UUT _x -3		
Image Reconstruction System									
UIS PC Container pS20 PC	11513440 11513962	8.0	21.3	14.8	38	floor	UUT _t -1		
UIS PC Container pS22 PC	11688629 11513998	8.9	25.4	15.1	42	floor	interpolated		
IS PC Container pS22 PIKE PC	11688629 11513997	8.9	25.4	15.1	42	floor	UUT _x -6		
IS PC Container pS22 VF1X FluoroFD PC	11688800 11513968	13.4	29.0	21.7	79	floor	UUT _x -7		
IS PC Container pS22 VF1X RadFD PC	11688801	13.4	29.0	21.7	79	floor	interpolated		
IS PC Container W550 RAD PC	11105102	13.4	27.4	22.8	87	floor	UUT _p -7		
IS PC Container W550 Fluoro PC	11573929	13.4	27.4	22.8	90	floor	interpolated		
IS PC Container W550 PC	11105103	13.4	27.4	22.8	90	floor	UUT _p -6		

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

² The units were tested at different times and the subscripts on the UUTs reference the following seismic test reports:

p = TAF4-PB-17-033-V1 q = TAB3-PB-20-134-V1 r = TAB3-PB-21-148-V1 s = TAB3-PB-21-153-V1 t = TA-B-002931-V1
 u = TA-B-05196-V1 v = TA-B-006924_V1 w = TA-B-006466_V1 x = TA-B-006468-V1 y = TA-B-006469_V1

³ Patient table weights do not include simulated patient weights, see UUT summary sheets for simulated patient weights.

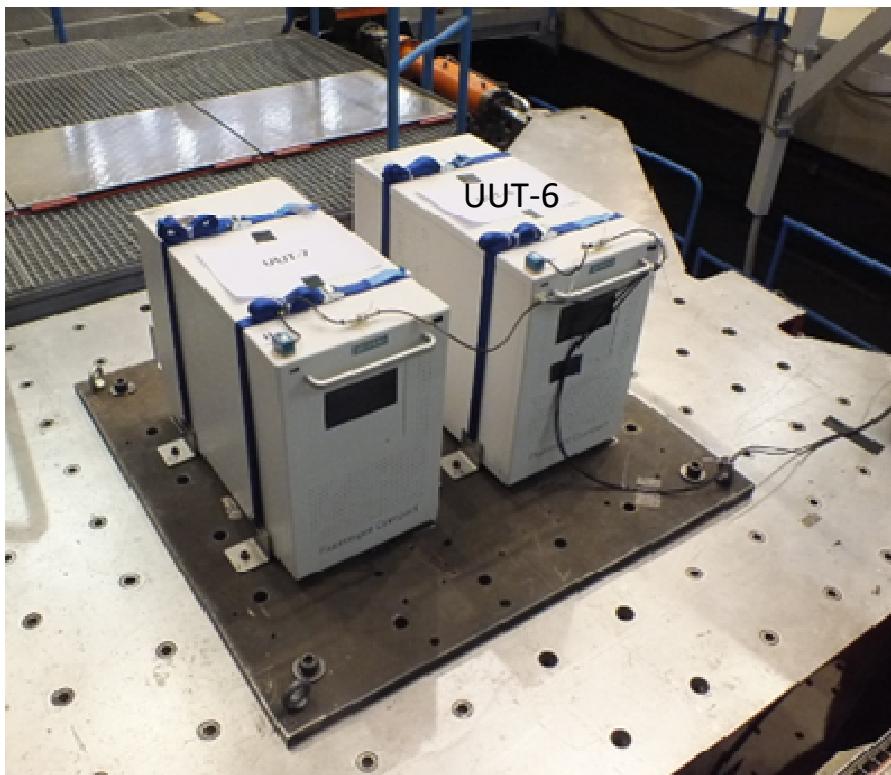
SEISMIC CERTIFICATION LIMITS

CODE	Ip	S _{DS} (g)	z / h	H _f	R _μ	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CBC 2025	1.5	2.0	1.0	3.5	1.3	3.20	2.15	1.34	0.54
		2.5	0	1.0	1.0	2.50	1.00	1.68	0.68

TABLE 2		SIEMENS HEALTHCARE GmbH SPECIAL SEISMIC CERTIFICATION UNIT UNDER TEST INDEX			 W.E. GUNDY & ASSOCIATES, INC. STRUCTURAL & EARTHQUAKE ENGINEERING	
UUT	System Component	Lab	Report #	Test Date	Tested S _{DS} z / h = 1.0	
UUT _p -6	IS PC Container W550 PC	IABG, Munich	TAF4-PB-17-033-V1	Jan 26-27, 2017	2.00	
UUT _p -7	IS PC Container W550 RAD PC	IABG, Munich	TAF4-PB-17-033-V1	Jan 26-27, 2017	2.00	
UUT _q -1	Tube stand 3D V SF Carriage 3D 3m SF motorized	IABG, Munich	TAB3-PB-20-134-V1	Sept 21-23, 2020	2.00	
UUT _q -2	Tube stand 3D V SF Carriage 3D 4m manual	IABG, Munich	TAB3-PB-20-134-V1	Sept 21-23, 2020	2.00	
UUT _r -8	Bucky Wall Stand Fixed Detector	IABG, Munich	TAB3-PB-21-148-V1	Sept 14, 2021	2.00	
UUT _s -4	Patient RAD Table 3	IABG, Munich	TAB3-PB-21-153-V1	Sept 16-21, 2021	2.00	
UUT _s -5	Patient RAD Table 2	IABG, Munich	TAB3-PB-21-153-V1	Sept 16-21, 2021	2.00	
UUT _s -7	Bucky Wall Stand Wifi Detector	IABG, Munich	TAB3-PB-21-153-V1	Sept 16-21, 2021	2.00	
UUT _t -1	UIS PC Container pS20 PC	IABG, Munich	TA-B-002931_V1	May 31, 2023	2.00	
UUT _u -1	Tube stand 3D V GB semi-motor Carriage 3D V 3m	IABG, Munich	TA-B-005196-V1	July 29-30, 2024	2.00	
UUT _u -3	Patient RAD Table 1	IABG, Munich	TA-B-005196-V1	July 29-30, 2024	2.00	
UUT _v -3	Generator Polydoros RFX UG-R80-1WP	IABG, Munich	TA-B-006924_V1	July 1, 2025	2.00	
UUT _w -1	PIKE Classic dTF Table	IABG, Munich	TA-B-006466_V1	Feb 26, 2025	2.00	
UUT _w -2	PIKE Remote dRF Table	IABG, Munich	TA-B-006466_V1	Feb 26, 2025	2.00	
UUT _x -3	Generator Polydoros RFX UG-F80-2WP	IABG, Munich	TA-B-006468_V1	Feb 26, 2025	2.00	
UUT _x -6	IS PC Container pS22 PIKE PC	IABG, Munich	TA-B-006468_V1	Feb 26, 2025	2.00	
UUT _x -7	IS PC Container pS22 VF1X FluoroFD PC	IABG, Munich	TA-B-006468_V1	Feb 26, 2025	2.00	
UUT _y -5	DCS - Ceiling Rail DCS - Monitor DCS - Rail Carriage	IABG, Munich	TA-B-006469_V1	Feb 27, 2025	2.00	

UUT_p-6**UNIT UNDER TEST (UUT)
SUMMARY SHEET**

Mounting Details: Rigid Floor mounting using Siemens provided seismic restraint kit SN:10432402. Seismic restraint kit includes two 1" wide hand tightened cam buckle straps (830lb WLL) looped thru angle brackets positioned on each side of the unit. The four angle brackets are attached to the table with individual M10 bolts.

**Manufacturer:** Siemens Healthcare GmbH**Test Location:** IABG - Munich, Germany**Component:** IS PC Container / W550 RAD PC**Test Date:** Jan 26-27, 2017**Model Number:** 11105103**Report Number:** TAF4-PB-17-033-V1**UUT Function:** Computer for data acquisition, image reconstruction, and processing**UUT Description:** Component of YSIO X.pree and LUMINOS Q.namix T/R X-Ray and Fluoroscopy Systems**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
90	13.4	27.4	22.8	24.0	18.6	> 33

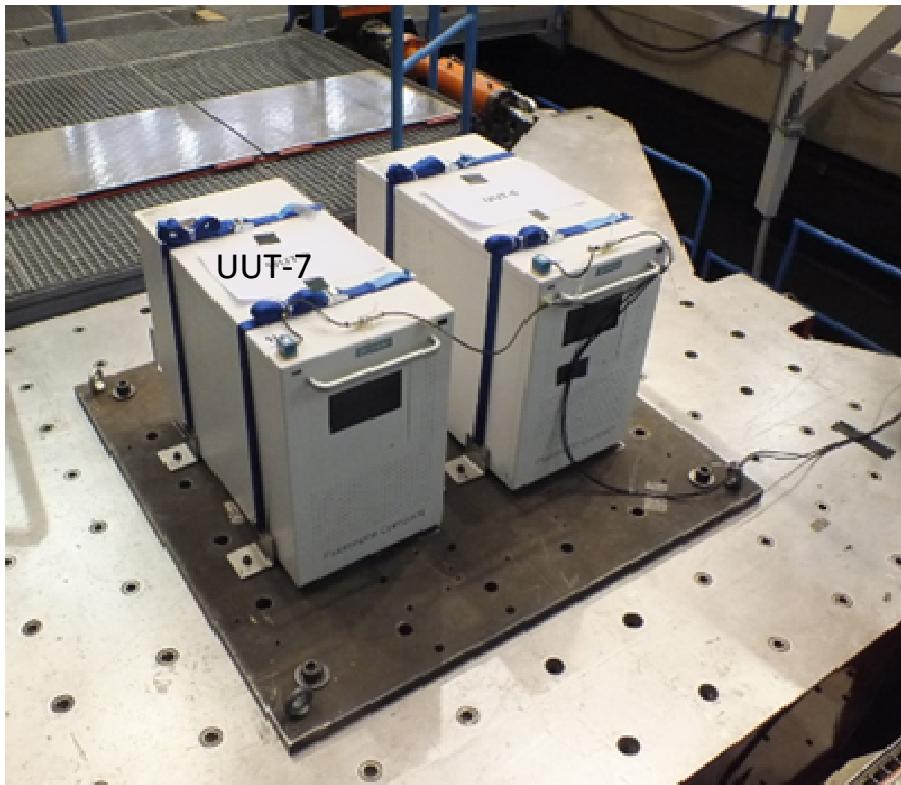
SEISMIC TEST PARAMETERS - CBC 2025 / ICC-ES AC 156-24

	S _{DS} (g)	z / h	H _f	R _μ	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
	2.20	1.0	3.5	1.30	1.5	3.52	2.37	-	-
	2.50	0.0	1.0	1.00	1.5	-	-	1.68	0.68

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_p-7**UNIT UNDER TEST (UUT)
SUMMARY SHEET**

Mounting Details: Rigid Floor mounting using Siemens provided seismic restraint kit SN:10432402. Seismic restraint kit includes two 1" wide hand tightened cam buckle straps (830lb WLL) looped thru angle brackets positioned on each side of the unit. The four angle brackets are attached to the table with individual M10 bolts.



Manufacturer: Siemens Healthcare GmbH **Test Location:** IABG - Munich, Germany

Component: IS PC Container / W550 RAD PC **Test Date:** Jan 26-27, 2017

Model Number: 11105102 **Report Number:** TAF4-PB-17-033-V1

UUT Function: Computer for data acquisition, image reconstruction, and processing

UUT Description: Component of YSIO X.pree and LUMINOS Q.namix T/R X-Ray and Fluoroscopy Systems

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
87	13.4	27.4	22.8	27.1	18.1	> 33

SEISMIC TEST PARAMETERS - CBC 2025 / ICC-ES AC 156-24

	S _{DS} (g)	z / h	H _f	R _μ	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
	2.20	1.0	3.5	1.30	1.5	3.52	2.37	-	-
	2.50	0.0	1.0	1.00	1.5	-	-	1.68	0.68

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_q-1**UNIT UNDER TEST (UUT)
SUMMARY SHEET**

Mounting Details: Rails and connecting parts of the 3D Tube Stand bolt with M10 bolts torqued at 36 ft-lb to unistrut grid spaced at 26.6" on center. The unistrut grid consisted of MURPO#150969 MPR-41/82/2.0 H-Profiles (Unistrut P1001 equivalent) anchored with 2 - M10 bolts with clamping claws (MURPO 157219) at each intersection to the ceiling fixture framing spaced at 23.6" on center.

**Manufacturer:** Siemens Healthcare GmbH**Test Location:** IABG - Munich, Germany**Component:** Tube Stand 3D V SF / Carriage 3D 3m SF motorized**Test Date:** Sept 21-23, 2020**Model Number:** 07042125 (stand) / 07042091 (carriage)**Report Number:** TAB3-PB-20-134-V1**UUT Function:** X-Ray stand, ceiling suspended, for use in radiography imaging, fully automated**UUT Description:** Component of YSIO X.pree and LUMINOS Q.namix T/R X-Ray and Fluoroscopy Systems**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
803	119	167	33-103	N/A	N/A	N/A

The ceiling suspended tube stand moves laterally, rotates, and extends up and down to accommodate different patients and procedures. The system was tested in the normal operating position with the system horizontally centered, no rotation, and with a downward extension of 32in (height = 33in + 32in = 65in).

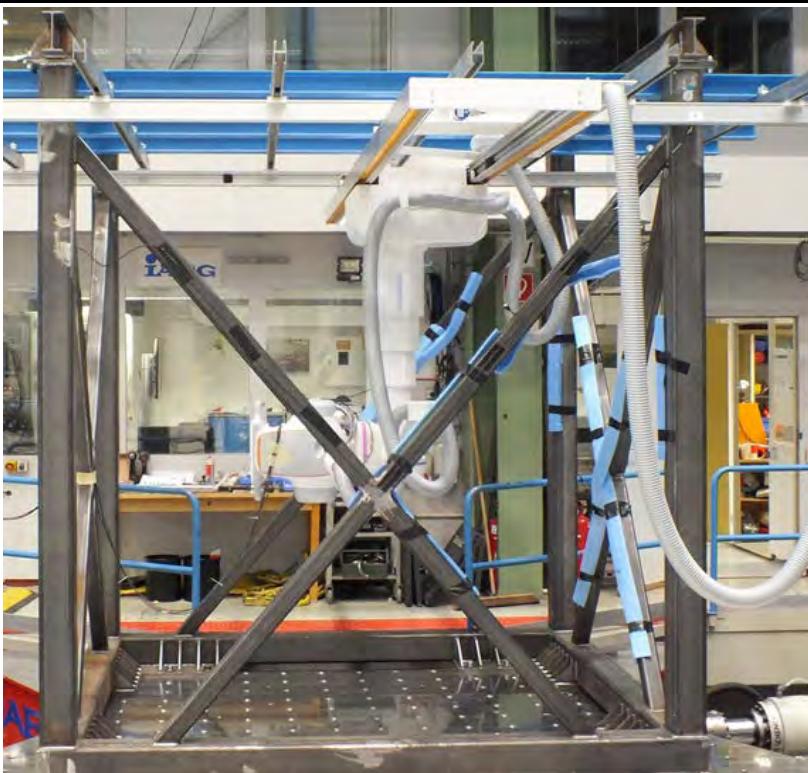
SEISMIC TEST PARAMETERS - CBC 2025 / ICC-ES AC 156-24

	S _{DS} (g)	z / h	H _f	R _μ	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
	2.00	1.0	3.5	1.30	1.5	3.20	2.15	-	-
	2.50	0.0	1.0	1.00	1.5	-	-	1.68	0.68

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_q-2UNIT UNDER TEST (UUT)
SUMMARY SHEET

Mounting Details: Rails and connecting parts of the 3D Tube Stand bolt with M10 bolts torqued at 36 ft-lb to unistrut grid spaced at 26.6" on center. The unistrut grid consisted of MURPO#150969 MPR-41/82/2.0 H-Profiles (Unistrut P1001 equivalent) anchored with 2 - M10 bolts with clamping claws (MURPO 157219) at each intersection to the ceiling fixture framing spaced at 23.6" on center.



Manufacturer: Siemens Healthcare GmbH

Test Location: IABG - Munich, Germany

Component: Tube Stand 3DV SF / Carriage 3D 4m manual

Test Date: Sept 21-23, 2020

Model Number: 07042125 (stand) / 07042141 (carriage)

Report Number: TAB3-PB-20-134-V1

UUT Function: X-Ray stand, ceiling suspended, for use in radiography imaging, manual

UUT Description: Component of YSIO X.pree and LUMINOS Q.namix T/R X-Ray and Fluoroscopy Systems

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
816	172	167	33-103	N/A	N/A	N/A

The ceiling suspended tube stand moves laterally, rotates, and extends up and down to accommodate different patients and procedures. The system was tested in the normal operating position with the system horizontally centered, no rotation, and with a downward extension of 32in (height = 33in + 32in = 65in).

SEISMIC TEST PARAMETERS - CBC 2025 / ICC-ES AC 156-24

	S _{ps} (g)	z / h	H _f	R _μ	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
	2.00	1.0	3.5	1.30	1.5	3.20	2.15	-	-
	2.50	0.0	1.0	1.00	1.5	-	-	1.68	0.68

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_r-8UNIT UNDER TEST (UUT)
SUMMARY SHEET

Mounting Details: Rigid floor mounted with 4 - M10 Gr. 8 bolts



Manufacturer: Siemens Healthcare GmbH

Test Location: IABG - Munich, Germany

Component: Bucky Wall Stand / Venu 1717X Core Fixed Detector

Test Date: Sept 14, 2021

Model Number: 11506510 (stand) / 11506512 (fixed) Report Number: TAB3-PB-21-148-V1

UUT Function: Radiographic wall stand for X-ray exposures

UUT Description: Component of YSIO X.pree and LUMINOS Q.namix T/R X-Ray and Fluoroscopy Systems, includes Venu 1717X Core fixed detector (11333821), Tilting Module (11506310), Front Module cover_venu (11506697).

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
426	31.9	33.1	86.3	6.4	7.2	8.9

SEISMIC TEST PARAMETERS - CBC 2025 / ICC-ES AC 156-24

	S _{DS} (g)	z / h	H _f	R _μ	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
	2.00	1.0	3.5	1.30	1.5	3.20	2.15	-	-
	2.50	0.0	1.0	1.00	1.5	-	-	1.68	0.68

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_s-4UNIT UNDER TEST (UUT)
SUMMARY SHEET

Mounting Details: Rigid floor mounted using 4 - M10 grade 10.9 bolts with washers



Manufacturer: Siemens Healthcare GmbH

Test Location: IABG - Munich, Germany

Component: Patient RAD Table 3

Test Date: Sept 16-21, 2021

Model Number: Patient RAD Table 3

Report Number: TAB3-PB-21-153-V1

UUT Function: Motorized patient table for support and positioning for image acquisition

UUT Description: Component of YSIO X.pree and LUMINOS Q.namix T/R X-Ray and Fluoroscopy Systems, includes Mars 1717VS(Cor XL) detector, Lifting Base (11506889), Middle Module (11584323), Wireless Bucky Tray Module (11506861), Regular Table Top Module (11145351), and Lift 1 Cover (11369055)

UUT PROPERTIES

Weight w/ Patient(lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
1,433	31.5	91.7	19.6-36.0	2.5	> 33	9.2

The patient table moves laterally both ways and vertically to accommodate different patients and procedures. The system was tested in the normal operating position with the table horizontally centered, a table top height of 27.6", and a total simulated patient weight of 540lbs.

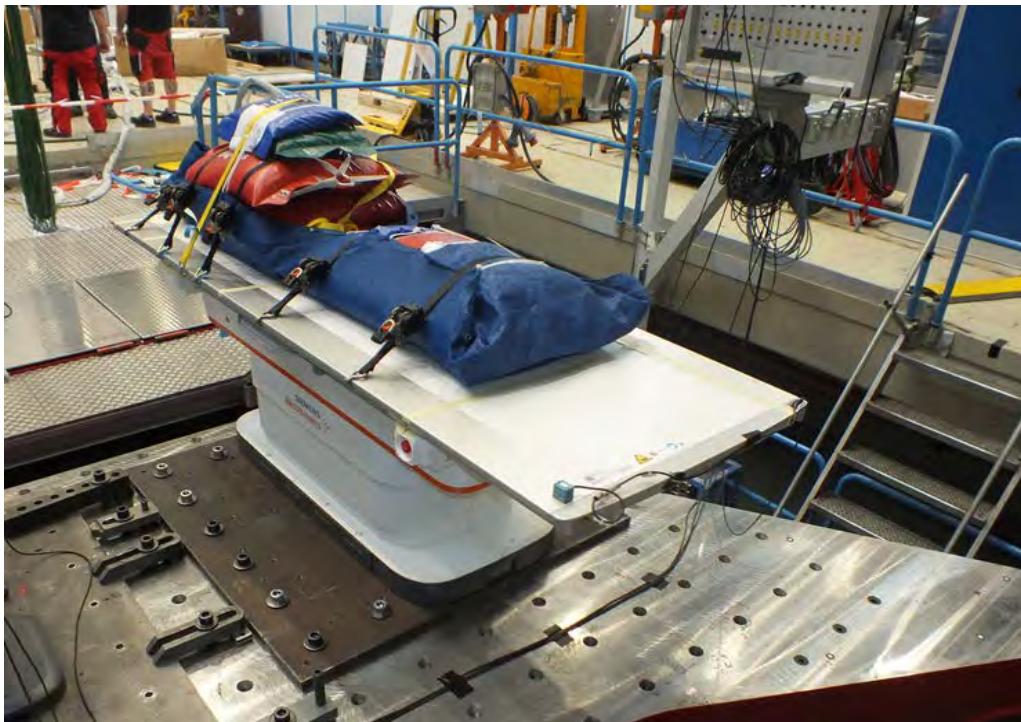
SEISMIC TEST PARAMETERS - CBC 2025 / ICC-ES AC 156-24

	S _{DS} (g)	z / h	H _f	R _μ	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
	2.00	1.0	3.5	1.30	1.5	3.20	2.15	-	-
	2.50	0.0	1.0	1.00	1.5	-	-	1.68	0.68

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_s-5UNIT UNDER TEST (UUT)
SUMMARY SHEET

Mounting Details: Rigid floor mounted using 4 - M10 grade 10.9 bolts with washers

**Manufacturer:** Siemens Healthcare GmbH**Test Location:** IABG - Munich, Germany**Component:** Patient RAD Table 2**Test Date:** Sept 16-21, 2021**Model Number:** Patient RAD Table 2**Report Number:** TAB3-PB-21-153-V1**UUT Function:** Motorized patient table for support and positioning for image acquisition

UUT Description: Component of YSIO X.pree and LUMINOS Q.namix T/R X-Ray and Fluoroscopy Systems, includes MAX wi-D pixium 3543 EZh detector (11105032), Lifting Base (11506889), Middle Module (11584323), Wireless Bucky Tray Module (11506861), Short Table Top (11368305), and Lift 1 Cover (11369055)

UUT PROPERTIES

Weight w/ Patient(lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
1,423	31.5	83.9	19.6-36.0	2.5	> 33	8.8

The patient table moves laterally both ways and vertically to accommodate different patients and procedures. The system was tested in the normal operating position with the table horizontally centered, a table top height of 27.6", and a total simulated patient weight of 540lbs.

SEISMIC TEST PARAMETERS - CBC 2025 / ICC-ES AC 156-24

	S _{DS} (g)	z / h	H _f	R _μ	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
	2.00	1.0	3.5	1.30	1.5	3.20	2.15	-	-
	2.50	0.0	1.0	1.00	1.5	-	-	1.68	0.68

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_s-7UNIT UNDER TEST (UUT)
SUMMARY SHEET

Mounting Details: Rigid floor mounted with 4 - M10 Gr. 8 bolts



Manufacturer: Siemens Healthcare GmbH	Test Location: IABG - Munich, Germany
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Component: Bucky Wall Stand / Mars 1717VS Wifi Detector	Test Date: Sept 16-21, 2021
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Model Number: 11506510 (stand) / 11506513 (wifi)	Report Number: TAB3-PB-21-153-V1
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UUT Function: Radiographic wall stand for X-ray exposures

UUT Description: Component of YSIO X.pree and LUMINOS Q.namix T/R X-Ray and Fluoroscopy Systems, includes Mars 1717VS(Cor XL) detector (1133822), Tilting Module (11506310), Front Module cover_Mars (11506858).
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UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
426	31.9	33.1	86.3	7.9	9.4	6.3

SEISMIC TEST PARAMETERS - CBC 2025 / ICC-ES AC 156-24

	S _{DS} (g)	z / h	H _f	R _μ	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
	2.00	1.0	3.5	1.30	1.5	3.20	2.15	-	-
	2.50	0.0	1.0	1.00	1.5	-	-	1.68	0.68

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_{t-1}UNIT UNDER TEST (UUT)
SUMMARY SHEET

Mounting Details: Rigid Floor mounting using Siemens seismic restraint kit SN:11107393. Seismic restraint kit includes a 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 M8 grade 10.9 bolts.



DATE: 12/30/2025

Manufacturer: Siemens Healthcare GmbH

Test Location: IABG - Munich, Germany

Component: UIS PC Container / ps20PC

Test Date: May 31, 2023

Model Number: 11513440 / 11513962

Report Number: TA-B-002931_V1

UUT Function: User interface for radiography system.

UUT Description: Component of YSIO X.pree and LUMINOS Q.namix T/R X-Ray and Fluoroscopy Systems

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
38	8.0	21.3	14.8	> 33	> 33	> 33

SEISMIC TEST PARAMETERS - CBC 2025 / ICC-ES AC 156-24

	S _{ps} (g)	z / h	H _f	R _μ	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
	2.00	1.0	3.5	1.30	1.5	3.20	2.15	-	-
	2.50	0.0	1.0	1.00	1.5	-	-	1.68	0.68

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_u-1**UNIT UNDER TEST (UUT)
SUMMARY SHEET**

Mounting Details: Rails and connecting parts of the 3D Tube Stand bolt with M10 bolts torqued at 59 ft-lb to unistrut grid spaced at 26.6" on center. The unistrut grid consisted of MURPO#150969 MPR-41/82/2.0 H-Profiles (Unistrut P1001 equivalent) anchored with 2 - M10 bolts with clamping claws (MURPO 157219) at each intersection to the ceiling fixture framing spaced at 27.0" on center.

**Manufacturer:** Siemens Healthcare GmbH**Test Location:** IABG - Munich, Germany**Component:** Tube Stand 3D V GB semi-motor / Carriage 3D V 3m **Test Date:** July 29-30, 2024**Model Number:** 11565240 (stand) / 07042133 (carriage) **Report Number:** TA-B-005196-V1**UUT Function:** X-Ray stand, ceiling suspended, for use in radiography imaging, fully automated**UUT Description:** Component of YSIO X.pree and LUMINOS Q.namix T/R X-Ray and Fluoroscopy Systems**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
849	172	167	33-103	NA	NA	NA

The ceiling suspended tube stand moves laterally, rotates, and extends up and down to accommodate different patients and procedures. The system was tested in the normal operating position with the system horizontally centered, no rotation, and with a downward extension of 26in (height = 33in + 26in = 59in).

SEISMIC TEST PARAMETERS - CBC 2025 / ICC-ES AC 156-24

	S _{ps} (g)	z / h	H _f	R _μ	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
	2.00	1.0	3.5	1.30	1.5	3.20	2.15	-	-
	2.50	0.0	1.0	1.00	1.5	-	-	1.68	0.68

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_u-3**UNIT UNDER TEST (UUT)
SUMMARY SHEET****Mounting Details:** Rigid floor mounted using 4 - M12 grade 10.9 bolts with washers

Manufacturer: Siemens Healthcare GmbH	Test Location: IABG - Munich, Germany
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Component: Patient RAD Table 1	Test Date: July 29-30, 2024
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Model Number: Patient RAD Table 1	Report Number: TA-B-005196-V1
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UUT Description: Motorized patient table for support and positioning for image acquisition

UUT Description: Component of YSIO X.pree and LUMINOS Q.namix T/R X-Ray and Fluoroscopy Systems, includes Pixium 4343R-RCE detector (11020773), Lifting Base (11168919), Middle Module (11585049), Fixed Bucky Tray Module (11667350), Flat Table Top Module (11585030), and Lift 2 Advanced Cover (11667805)
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UUT PROPERTIES

Weight w/ Patient(lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
1,575	31.5	96.9	20.3-37.6	17.6	8.0	7.5

The patient table moves laterally both ways and vertically to accommodate different patients and procedures. The system was tested in the normal operating position with the table horizontally centered, a table top height of 27.6", and a total simulated patient weight of 540lbs.

SEISMIC TEST PARAMETERS - CBC 2025 / ICC-ES AC 156-24

	S _{DS} (g)	z / h	H _f	R _μ	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
	2.00	1.0	3.5	1.30	1.5	3.20	2.15	-	-
	2.50	0.0	1.0	1.00	1.5	-	-	1.68	0.68

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 and wall mounting using 4 - M10 grade 10.9 anchors to the floor and 2 - M6 grade A5 screws to the wall.



Manufacturer: Siemens Healthcare GmbH	Test Location: IABG - Munich, Germany
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Component: Generator Polydoros RFX (UG-R80-1WP)	Test Date: July 1, 2025
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Model Number: 11011022 / 11011808	Report Number: TA-B006924_V1
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UUT Function: Regulate voltage, power distribution

UUT Description: Component of YSIO X.pree and LUMINOS Q.namix T/R X-Ray and Fluoroscopy Systems

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
388	23.9	23.9	63.0	NA	NA	NA

SEISMIC TEST PARAMETERS - CBC 2025 / ICC-ES AC 156-24

	S _{DS} (g)	z / h	H _f	R _μ	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
	2.00	1.0	3.5	1.30	1.5	3.20	2.15	-	-
	2.50	0.0	1.0	1.00	1.5	-	-	1.68	0.68

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_w-1**UNIT UNDER TEST (UUT)
SUMMARY SHEET****Mounting Details:** Rigid floor mounted using 12 - M12 grade 12.9 bolts**Manufacturer:** Siemens Healthcare GmbH**Test Location:** IABG - Munich, Germany**Component:** PIKE Classic dTF Table**Test Date:** Feb 26, 2025**Model Number:** 11564199**Report Number:** TA-B-006466_V1**UUT Function:** Motorized patient table for support and positioning for image acquisition**UUT Description:** Component of YSIO X.pree and LUMINOS Q.namix T/R X-Ray and Fluoroscopy Systems**UUT PROPERTIES**

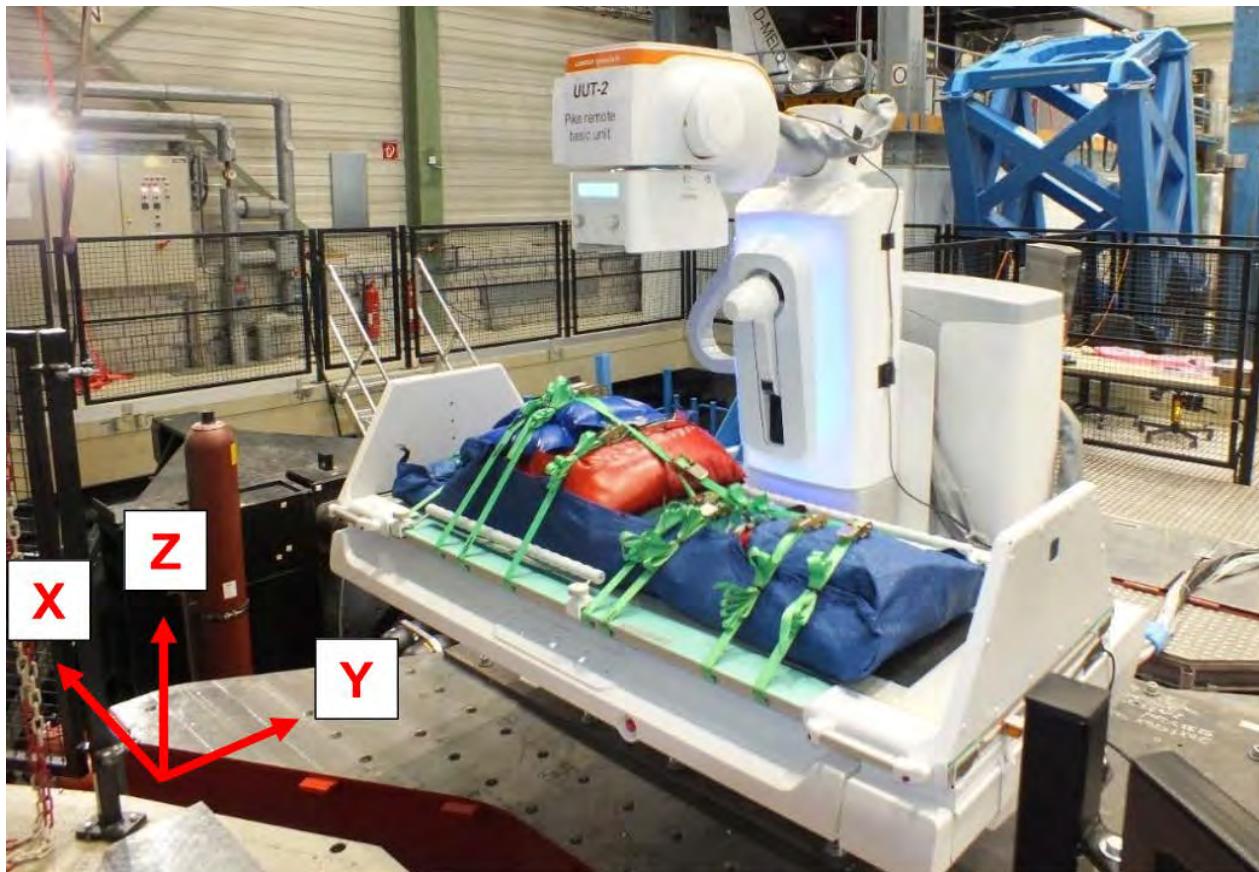
Weight w/ Patient(lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
4,445	85.8	83.0	69.0	6.9	3.1	3.3

The patient table moves laterally both ways and vertically to accommodate different patients and procedures. The system was tested in the normal operating position with the table horizontally centered, a table top height of 37.4", and a total simulated patient weight of 538 lbs.

SEISMIC TEST PARAMETERS - CBC 2025 / ICC-ES AC 156-24

	S _{DS} (g)	z / h	H _f	R _μ	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
	2.00	1.0	3.5	1.30	1.5	3.20	2.15	-	-
	2.50	0.0	1.0	1.00	1.5	-	-	1.68	0.68

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_w-2**UNIT UNDER TEST (UUT)
SUMMARY SHEET****Mounting Details:** Rigid floor mounted using 6 - M12 grade 12.9 bolts**Manufacturer:** Siemens Healthcare GmbH**Test Location:** IABG - Munich, Germany**Component:** PIKE Remote dRF Table / Seismic Kit**Test Date:** Feb 26, 2025**Model Number:** 11564200 / 11564299**Report Number:** TA-B-006466_V1**UUT Function:** Motorized patient table for support and positioning for image acquisition**UUT Description:** Component of YSIO X.pree and LUMINOS Q.namix T/R X-Ray and Fluoroscopy Systems**UUT PROPERTIES**

Weight w/ Patient(lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
3,977	85.8	75.2	81.5	4.2	4.0	4.1

The patient table moves laterally both ways and vertically to accommodate different patients and procedures. The system was tested in the normal operating position with the table horizontally centered, a table top height of 31.5", and a total simulated patient weight of 582 lbs.

SEISMIC TEST PARAMETERS - CBC 2025 / ICC-ES AC 156-24

	S _{DS} (g)	z / h	H _f	R _μ	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
	2.00	1.0	3.5	1.30	1.5	3.20	2.15	-	-
	2.50	0.0	1.0	1.00	1.5	-	-	1.68	0.68

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-3**UNIT UNDER TEST (UUT)
SUMMARY SHEET**

Mounting Details: Rigid Floor and wall mounting using 4 - M10 grade 10.9 anchors to the floor and 2 - M6 grade A5 screws to the wall.

**Manufacturer:** Siemens Healthcare GmbH**Test Location:** IABG - Munich, Germany**Component:** Generator Polydoros RFX (UG-F80-2WP)**Test Date:** Feb 26, 2025**Model Number:** 11011022 / 11011806**Report Number:** TA-B006468_V1**UUT Function:** Regulate voltage, power distribution**UUT Description:** Component of YSIO X.pree and LUMINOS Q.namix T/R X-Ray and Fluoroscopy Systems**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
542	23.9	23.9	63.0	NA	NA	NA

SEISMIC TEST PARAMETERS - CBC 2025 / ICC-ES AC 156-24

	S _{DS} (g)	z / h	H _f	R _p	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
	2.00	1.0	3.5	1.30	1.5	3.20	2.15	-	-
	2.50	0.0	1.0	1.00	1.5	-	-	1.68	0.68

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-6**UNIT UNDER TEST (UUT)
SUMMARY SHEET**

Mounting Details: Rigid Floor mounting using Siemens provided seismic restraint kit SN:11107393. Seismic restraint kit includes two 1" wide hand tightened cam buckle straps (830lb WLL) looped thru angle brackets positioned on each side of the unit. The four angle brackets are attached to the table with individual M8 Grade 10.9 bolts.

**Manufacturer:** Siemens Healthcare GmbH**Test Location:** IABG - Munich, Germany**Component:** IS PC Container / pS22 PIKE PC**Test Date:** Feb 26, 2025**Model Number:** 11688629 / 11513997**Report Number:** TA-B006468_V1**UUT Function:** Computer for data acquisition, image reconstruction, and processing**UUT Description:** Component of YSIO X.pree and LUMINOS Q.namix T/R X-Ray and Fluoroscopy Systems**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
42	8.9	25.4	15.1	> 33	16.7	> 33

SEISMIC TEST PARAMETERS - CBC 2025 / ICC-ES AC 156-24

	S _{DS} (g)	z / h	H _f	R _μ	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
	2.00	1.0	3.5	1.30	1.5	3.20	2.15	-	-
	2.50	0.0	1.0	1.00	1.5	-	-	1.68	0.68

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-7**UNIT UNDER TEST (UUT)
SUMMARY SHEET**

Mounting Details: Rigid Floor mounting using Siemens provided seismic restraint kit SN:11107393. Seismic restraint kit includes two 1" wide hand tightened cam buckle straps (830lb WLL) looped thru angle brackets positioned on each side of the unit. The four angle brackets are attached to the table with individual M8 Grade 10.9 bolts.

**Manufacturer:** Siemens Healthcare GmbH**Test Location:** IABG - Munich, Germany**Component:** IS PC Container / pS22-VF1X FluoroFD PC**Test Date:** Feb 26, 2025**Model Number:** 11688800 / 11513968**Report Number:** TA-B006468_V1**UUT Function:** Computer for data acquisition, image reconstruction, and processing**UUT Description:** Component of YSIO X.pree and LUMINOS Q.namix T/R X-Ray and Fluoroscopy Systems**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
79	13.4	29.0	21.7	> 33	18.3	> 33

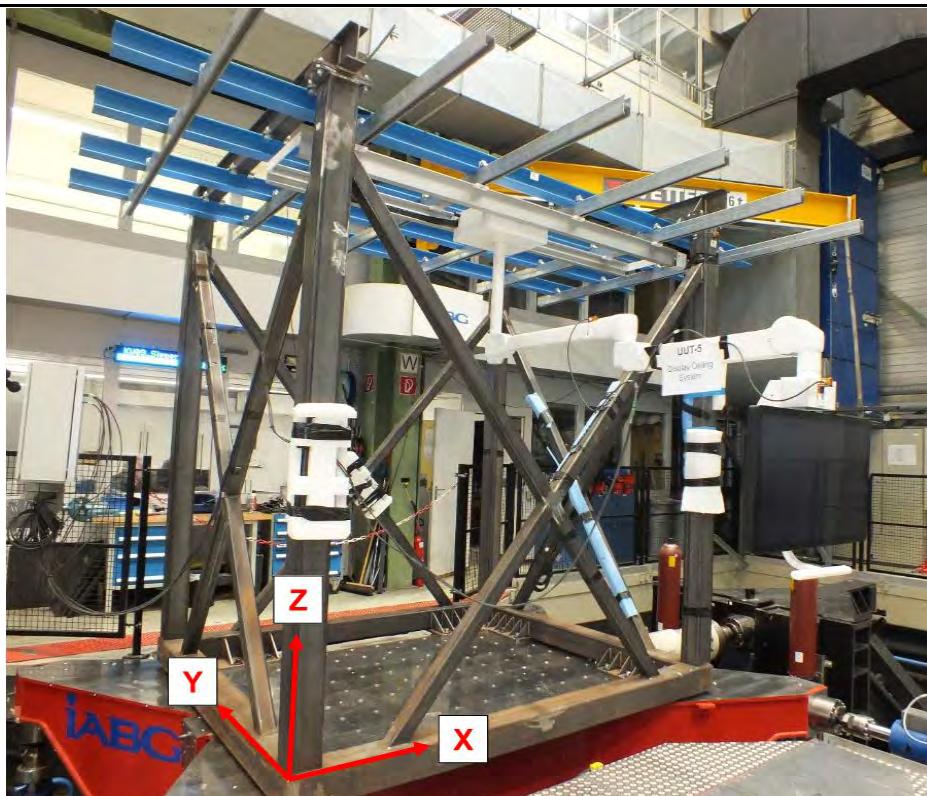
SEISMIC TEST PARAMETERS - CBC 2025 / ICC-ES AC 156-24

	S _{DS} (g)	z / h	H _f	R _μ	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
	2.00	1.0	3.5	1.30	1.5	3.20	2.15	-	-
	2.50	0.0	1.0	1.00	1.5	-	-	1.68	0.68

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_y-5UNIT UNDER TEST (UUT)
SUMMARY SHEET

Mounting Details: Rails and connecting parts of the rail carriage bolt with M10 bolts torqued at 36 ft-lb to unistrut grid spaced at 26.6" on center. The unistrut grid consisted of MURPO#150969 MPR-41/82/2.0 H-Profiles (Unistrut P1001 equivalent) anchored with 2 - M10 bolts with clamping claws (MURPO 157219) at each intersection to the ceiling fixture framing spaced at 23.6" on center.



Manufacturer: Siemens Healthcare GmbH

Test Location: IABG - Munich, Germany

Component: DCS - Ceiling Rail / Monitor / Rail Carriage

Test Date: Feb 27, 2025

Model Number: 11688593 / 11688592 / 11688746

Report Number: TA-B-006469_V1

UUT Function: X-Ray stand, ceiling suspended, for use in radiography imaging

UUT Description: Component of YSIO X.pree and LUMINOS Q.namix T/R X-Ray and Fluoroscopy Systems

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
265	104 - 170	22.4 - 79	37 - 82.4	NA	NA	NA

The ceiling suspended monitor support moves laterally, rotates, and extends up and down to accommodate different patients and procedures. The system was tested in the normal operating position with the system horizontally centered, no rotation, and the arm fully extended.

SEISMIC TEST PARAMETERS - CBC 2025 / ICC-ES AC 156-24

	S _{DS} (g)	z / h	H _f	R _μ	I _P	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
	2.00	1.0	3.5	1.30	1.5	3.20	2.15	-	-
	2.50	0.0	1.0	1.00	1.5	-	-	1.68	0.68

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.