



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-0545

HCAI Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: Siemens Healthcare GmbH, Advanced Therapies, HC AT R&D HW

Manufacturer's Technical Representative: Karsten Gerchau

Mailing Address: Simon-Hegele-Str. 5, 91301 Forchheim, Germany

Telephone: +49 (9191) 18-8625 Email: karsten.gerchau@siemens-healthineers.com

Product Information

Product Name: Motorized Operating Table Systems

Product Model Number(s): See attachment

Product Category: Motorized Operating Table Systems

Product Sub-Category: Motorized Operating Table Systems

General Description: Multiple component operating table system used for interventional patient procedures.

Mounting Description: Several - See Certified Product Tables

Tested Seismic Enhancements: None

Applicant Information

Applicant Company Name: W.E. Gundy & Associates, Inc.

Contact Person: Travis Soppe

Mailing Address: 1199 Shoreline Dr. Suite 310, Boise, ID 83702

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

Title: President



**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 & ASSOCIATES 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: Steffen Roedling

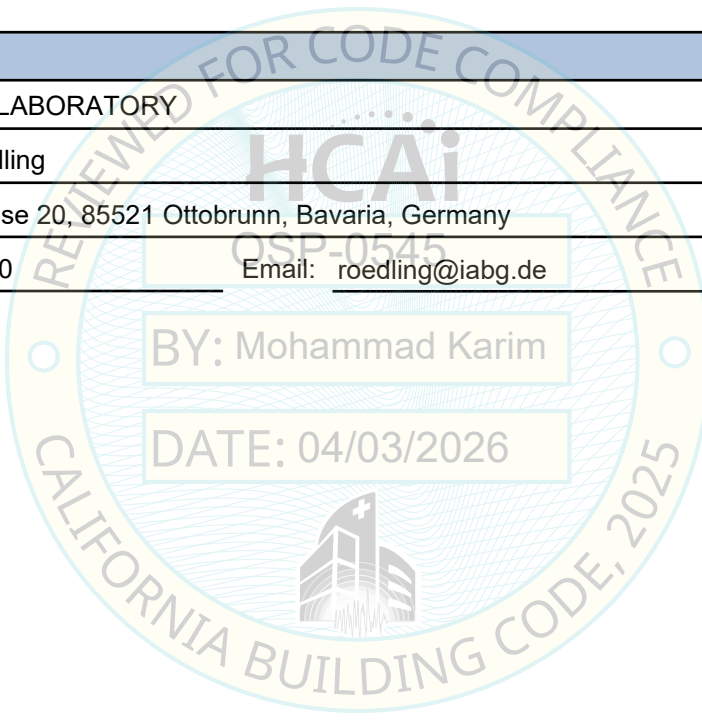
Mailing Address: Einsteinstrasse 20, 85521 Ottobrunn, Bavaria, Germany

Telephone: + 089 6088-0/4000

Email: roedling@iabg.de

BY: Mohammad Karim

DATE: 04/03/2026





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

Seismic Parameters

Certified Response Spectral Acceleration Factors:(F_p/W_p)

Horizontal	(A Flx-H), g=	<u>3.20</u>	(A Rig-H), g=	<u>2.15</u>
Vertical	(A Flx-V), g=	<u>1.68</u>	(A Rig-V), g=	<u>0.68</u>

SDS (Design spectral response acceleration at short period, g) = 2.5 @ z/h = 0; 2.0 @ z/h = 1

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

R_u (Structure ductility reduction factor) = 1 @ z/h = 0; 1.3 @ 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 04/05/2032

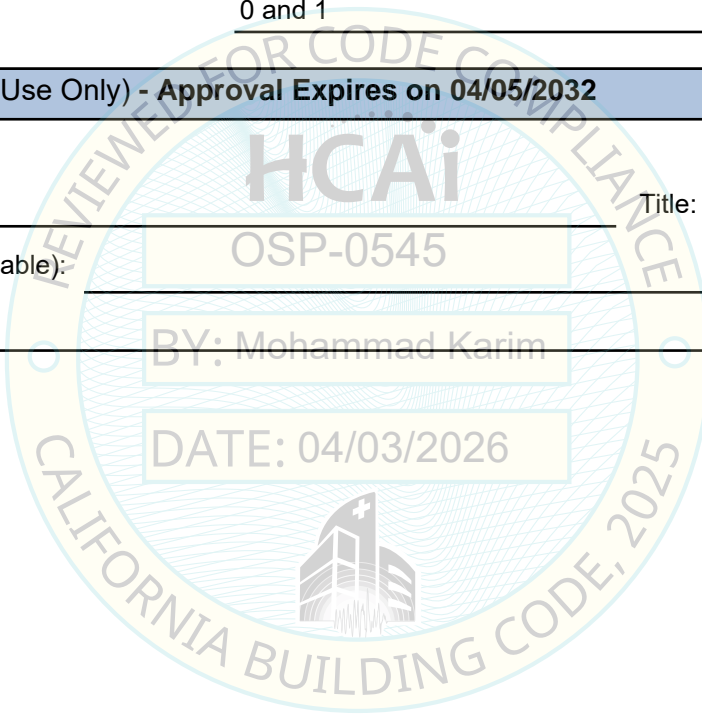
Date: 4/3/2026

Name: Mohammad Karim Title: Supervisor, Health Facilities

Condition of Approval (if applicable): OSP-0545

BY: Mohammad Karim

DATE: 04/03/2026



**SIEMENS HEALTHCARE GmbH
SPECIAL SEISMIC CERTIFICATION
CERTIFIED SYSTEM AND COMPONENTS**



Manufacturer: Siemens Healthcare GmbH

System: Artis Interventional System

System Component ¹	Siemens Part Number	Dimensions (in)			Weight (lb)	Mounting	UUT
		Width	Length	Height			
OR Patient Table	10992200	114-163	27.0	29.5-43.3	1,200 ²	floor	UUT _x -1A/B
OR Patient Table	11636800	114-163	27.0	29.5-43.3	1,208 ³	floor	UUT _y -1
Tilt Table VE	10992580	114-163	34.5	29.5-43.3	1,102 ³	floor	UUT _z -1
SC Main VE	11115700	39.4	25.6	74.8	870	floor / wall	UUT _x -2
AXIS-VE	10910323	23.7	37.2	28.0	290	floor	UUT _x -3
FD Cooling	10848724	23.6	19.1	11.8	55 ⁴	floor	UUT _x -4
Tube Cooling Unit	11321256	16.5	20.5	30.7	80 ⁴	floor	UUT _x -5

Notes:

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

² Patient table weight does not include 510lb simulated weight.

³ Patient table weight does not include 494lb simulated weight.

⁴ Cooling unit weights include operating fluids.

⁵ The units were tested at different times and the subscripts on the UUT's reference the following seismic test reports:

x = TAF4-PB-17-280-V2 / y = TA-B-004674-V2 / z = TA-B-007716-V2

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

UUT_y-1

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



Mounting Details: Rigid floor mounted with 4 - M12 grade 8.8 bolts



Manufacturer: Siemens Healthcare GmbH

Component: OR Patient Table **Model / Serial Number:** 11636800 / 1001

UUT Function: Patient Table with integrated x-ray system

UUT Description: Component of Artis Interventional System

Test Location / Report: IABG mbH, Germany / TA-B-004674-V1 **Test Date:** Feb 27, 2024

UUT PROPERTIES

Weight (lb.) with Patient	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
1,702	138.4"	27.0"	38.0"	27.8	5.6	14.7

The patient table moves vertically, horizontally, and rotates to accommodate different patients and procedures. The system was tested in its normal operating position with 0° rotation, a longitudinal extension of 24.8", and height of 38.0". The system was tested with a total simulated patient weight of 494lbs.

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

CODE	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)
CBC 2025	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

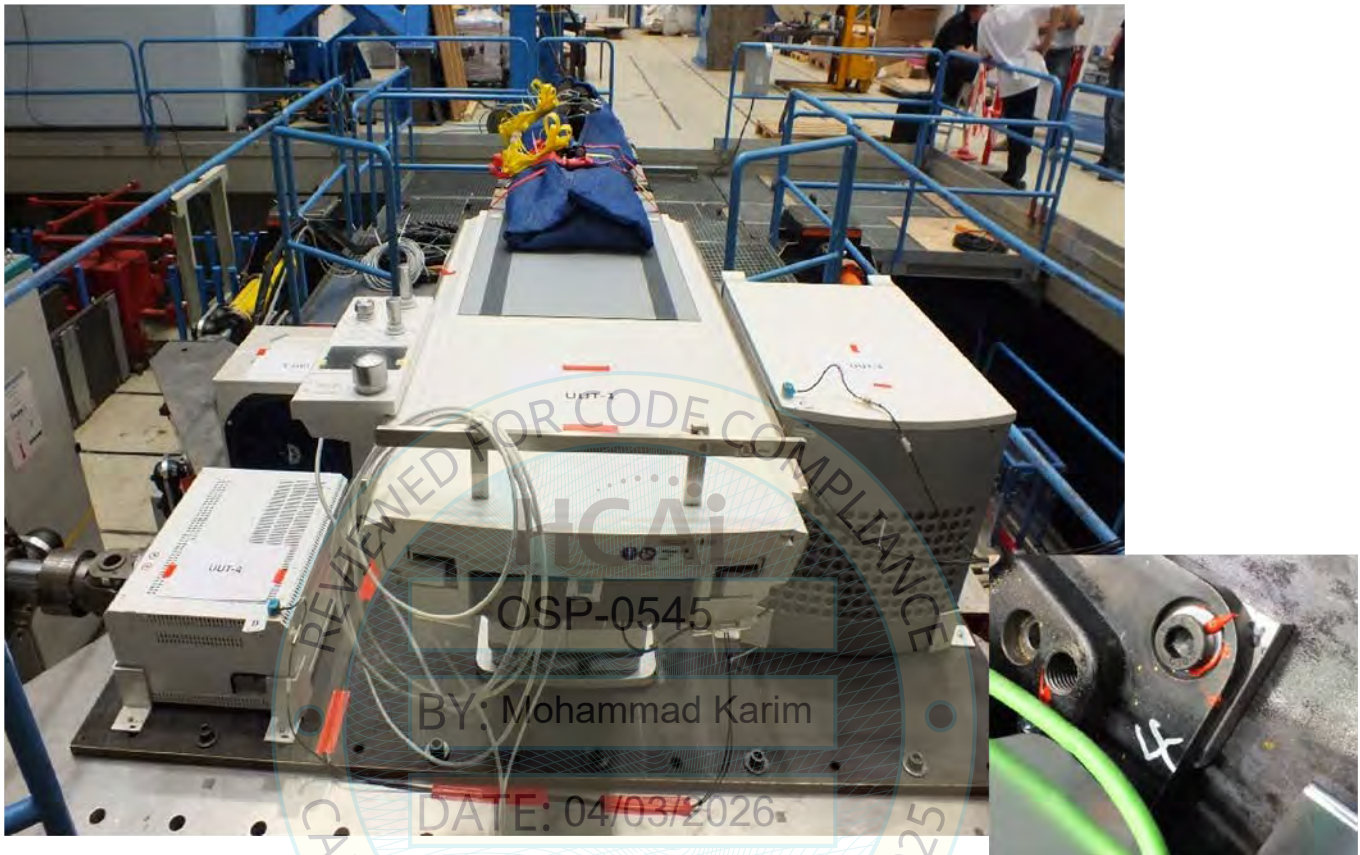
Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

UUT_x-1A

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



Mounting Details: Rigid floor mounted with 4 - M16 grade 10.9 bolts



Manufacturer: Siemens Healthcare GmbH

Component: OR Patient Table - 0° Rotation **Model / Serial Number:** 10992200 / 1003

UUT Function: Patient Table with integrated x-ray system

UUT Description: Component of Artis Interventional System

Test Location / Report: IABG mbH, Germany / TAF4-PB-17-280-V2 **Test Date:** Sept 3-7, 2017

UUT PROPERTIES

Weight (lb.) with Patient	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
1,708	138.4"	27.0"	38.0"	8.4	2.7	3.7

The patient table moves vertically, horizontally, and rotates to accommodate different patients and procedures. The system was tested in its normal operating position with 0° rotation, a longitudinal extension of 24.8", and height of 38.0". The system was tested with a total simulated patient weight of 510lbs.

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

CODE	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)
CBC 2025	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-1B

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



Mounting Details: Rigid floor mounted with 4 - M16 grade 10.9 bolts



Manufacturer: Siemens Healthcare GmbH			
Component: OR Patient Table - 30° Rotation	Model / Serial Number:	10992200 / 1003	
UUT Function: Patient Table with integrated x-ray system			
UUT Description: Component of Artis Interventional System			
Test Location / Report: IABG mbH, Germany / TAF4-PB-17-280-V2			Test Date: Sept 3-7, 2017

UUT PROPERTIES

Weight (lb.) with Patient	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
1,708	138.4"	27.0"	38.0"	3.6	2.5	3.7

The patient table moves vertically, horizontally, and rotates to accommodate different patients and procedures. The system was tested in its normal operating position with 30° rotation, a longitudinal extension of 24.8", and height of 38.0". The system was tested with a total simulated patient weight of 510lbs.

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

CODE	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)
CBC 2025	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_z-1

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



Mounting Details: Rigid floor mounted with 4 - M12 grade 8.8 bolts



Manufacturer: Siemens Healthcare GmbH

Component: Tilt Table VE Patient Table **Model / Serial Number:** 10992580 / 1007

UUT Function: Patient Table with integrated x-ray system

UUT Description: Component of Artis Interventional System

Test Location / Report: IABG mbH, Germany / TA-B-007716-V2 **Test Date:** Nov 20, 2025

UUT PROPERTIES

Weight (lb.) with Patient	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
1,596	138.4"	34.5"	38.0"	8.6	3.0	3.6

The patient table moves vertically, horizontally, and rotates to accommodate different patients and procedures. The system was tested in its normal operating position with 0° rotation, a longitudinal extension of 24.8", and height of 38.0". The system was tested with a total simulated patient weight of 494lbs.

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

CODE	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)
CBC 2025	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-2

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



Mounting Details: Rigid Floor/Wall mount with 2 - M10 grade 8.8 bolts to the floor and 4 - M6 grade 8.8 bolts to the wall fixture. The M6 bolts to the wall fixture are connected to the UUT with 2 - L3x4x0.25x3" A36 angle brackets and 2 - M12 grade 8.8 bolts.



REVIEWED FOR CODE COMPLIANCE
HCAi
 OSP-0545
 BY: Mohammad Karim
 DATE: 04/03/2026
 CALIFORNIA BUILDING CODES

Manufacturer: Siemens Healthcare GmbH

Component: System Cabinet **Model / Serial Number:** 11115700 / 1042

UUT Function: System Cabinet hosting OR Patient Table computers and control components

UUT Description: Component of Artis Interventional System

Test Location / Report: IABG mbH, Germany / TAF4-PB-17-280-V2 **Test Date:** Sept 3-7, 2017

UUT PROPERTIES

Weight (lb.)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
870	39.4"	25.6"	74.8"	NA	NA	NA

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

CODE	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)
CBC 2025	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 mounted using Siemens provided seismic restraint kit. Seismic restraint kit includes steel corner brackets bolted to the floor with 4 - M10 grade 8.8 bolts and attached to the unit with 2"x2" 3M Dual Lock (SJ3550).



Manufacturer: Siemens Healthcare GmbH

Component: AXIS-VE

Model / Serial Number: 10910323 / 1046

UUT Function: Houses image system hardware used for interfacing and debugging patient table.

UUT Description: Component of Artis Interventional System

Test Location / Report: IABG mbH, Germany / TAF4-PB-17-280-V2

Test Date: Sept 3-7, 2017

UUT PROPERTIES

Weight (lb.)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
290	23.7"	37.2"	28.0"	23.6	18.1	27.2

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

CODE	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)
CBC 2025	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

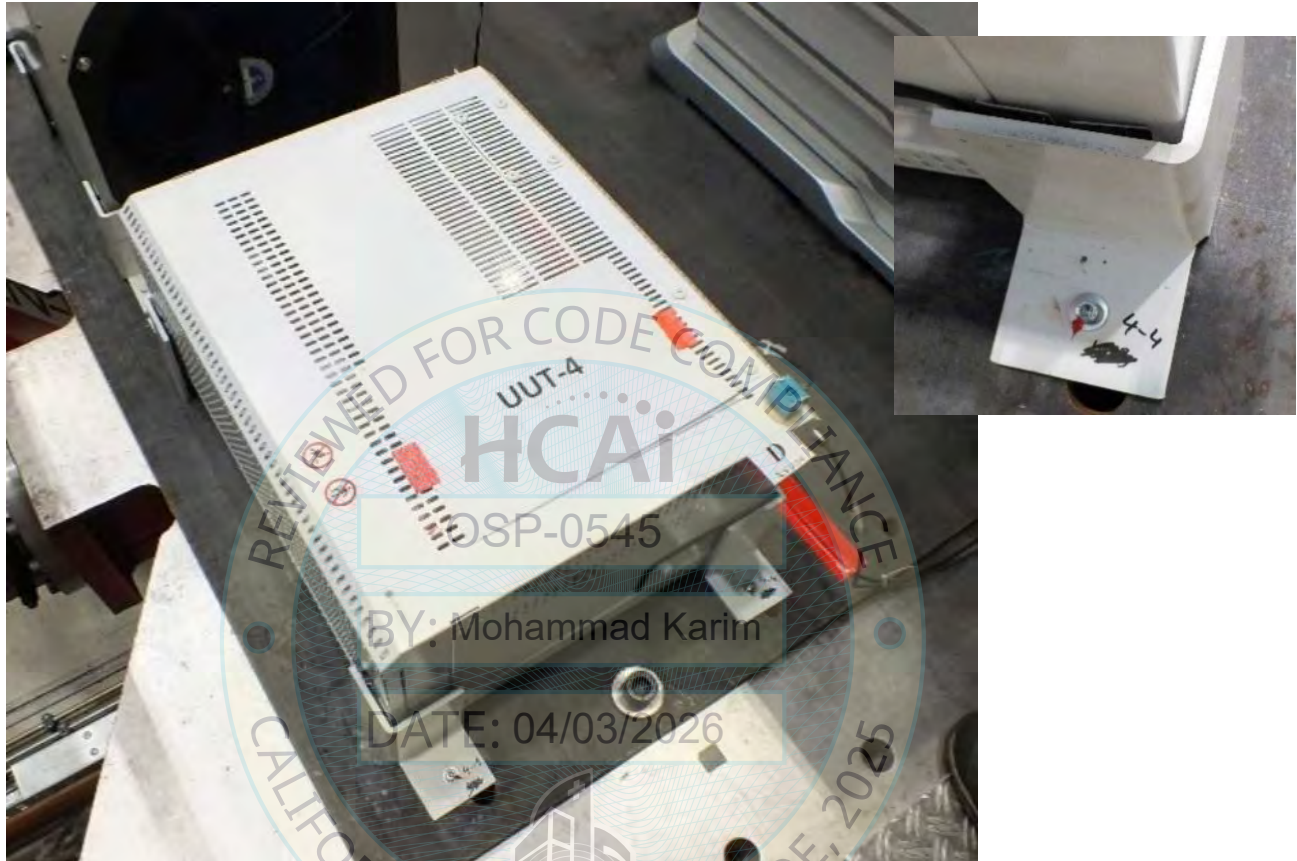
Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

UUT_x-4

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



Mounting Details: Rigid Floor mounted using Siemens provided seismic restraint kit. Seismic restraint kit includes steel corner brackets bolted to the floor with 4 - M6 grade 8.8 bolts and attached to the unit with 2"x2" 3M Dual Lock (SJ3550).



Manufacturer: Siemens Healthcare GmbH

Component: FD Cooling **Model / Serial Number:** 10848724 / 2899

UUT Function: Chiller cooling unit for x-ray system

UUT Description: Component of Artis Interventional System, listed weight includes operating fluid.

Test Location / Report: IABG mbH, Germany / TAF4-PB-17-280-V2 **Test Date:** Sept 3-7, 2017

UUT PROPERTIES

Weight (lb.)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
55	23.6"	19.1"	11.8"	>33	>33	>33

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

CODE	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)
CBC 2025	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-5

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



Mounting Details: Rigid Floor mounted using Siemens provided seismic restraint kit. Seismic restraint kit includes steel corner brackets bolted to the floor with 4 - M10 grade 8.8 bolts and attached to the unit with 2"x2" 3M Dual Lock (SJ3550).



Manufacturer: Siemens Healthcare GmbH	
Component: Tube Cooling Unit	Model / Serial Number: 11321256 / 00001
UUT Function: Chiller cooling unit for x-ray system	
UUT Description: Component of Artis Interventional System	
Test Location / Report: IABG mbH, Germany / TAF4-PB-17-280-V2	Test Date: Sept 3-7, 2017

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
80	16.5"	20.5"	30.7"	30.0	30.0	>33

Weight includes operating fluid.

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

CODE	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)
CBC 2025	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.