



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-0573

HCAI Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: Philips Medical Systems DMC GmbH

Manufacturer's Technical Representative: Vivek Bhadani

Mailing Address: Roentgenstrasse 24, Hamburg, Germany 22335

Telephone: (206) 635-7814 Email: vivekram.bhadani@philips.com

Product Information

Product Name: Philips X-Ray and Fluoroscopy Systems

Product Model Number(s): See attachment

Product Category: Fluoroscopy and Radiography Systems

Product Sub-Category: NA

General Description: Multiple component digital radiography and flouroscopy medical diagnostic imaging systems.

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

Tested Seismic Enhancements: None

Applicant Information

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

Contact Person: Travis Soppe

Mailing Address: 1199 Shoreline Drive Suite 310, Boise, ID 83702

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

Title: President





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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: ENVIRONMENTAL TESTING LABORATORIES, INC. (ETL)
Contact Person: Jeremy Lange
Mailing Address: 11034 Indian Trail, Dallas TX 75229-3513
Telephone: (972) 247-9657 Email: jeremy@etldallas.com

Company Name: IABG TEST LABORATORY
Contact Person: Steffen Roedling
Mailing Address: Einsteinstrasse 20, Ottobrunn Bavaria 85521
Telephone: (49896) 088-2052 Email: roedling@iabg.de





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Seismic Parameters

Design Basis of Equipment or Components (F_p/W_p) =	See Attachments
SDS (Design spectral response acceleration at short period, g) =	1.93 (z/h=1 and z/h=0)
a_p (Amplification factor) =	See attachments
R_p (Response modification factor) =	See attachments
Ω_0 (System overstrength factor) =	2.0
I_p (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 04/28/2031

Date:	4/28/2025		
Name:	Timothy Piland	Title:	Senior Structural Engineer
Special Seismic Certification Valid Up to: SDS (g) =	1.93	z/h =	1 and 0
Condition of Approval (if applicable):			



**PHILIPS MEDICAL SYSTEMS DMC GmbH
SPECIAL SEISMIC CERTIFICATION
CERTIFIED SYSTEM AND COMPONENTS**



Manufacturer: Philips Medical Systems DMC GmbH

System: X-Ray and Fluoroscopy Systems

System Component ¹	Philips Part Number	Dimensions (in)			Weight (lb)	Mounting	UUT ²
		Width	Length	Height			
DRF Table							
ProxiDiagnost Table ³	4512 202 03561	78.7	65.0	62.6	3520 ⁴	floor	UUT _x -1A UUT _x -1B UUT _x -1C
Ceiling Suspension CSM							
CSM - Long 4m Bridge Version: Comfort Move	9890-010-87702 4512-201-10951	159.0	31.0	34.3-99.5	683	ceiling	UUT _y -3
CSM - Short 2.3m Bridge Version: Comfort Move	9890-010-87702 4512-201-10951	92.8	31.0	34.3-99.5	622	ceiling	UUT _y -4
Wifi Access Point							
M-Shield (AXIOMTEK)	4512-133-65531	8.8	6.0	1.9	3	floor	UUT _z -8
M-Shield (AXIOMTEK)	4512 133 65534	9.1	5.9	1.8	1	floor	interpolated
M-Shield (AXIOMTEK)	4512 133 65532	9.1	5.9	1.8	1	floor	UUT _x -3
WIFI Access Point (ARUBA)	4512 201 12191 4512 201 12xxx ⁵	5.9	5.9	2.8	1	wall	UUT _x -4

¹ All components are manufactured by Philips Medical Systems DMC GmbH unless noted in (). The 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:
w = SQ13-1406-01 x = TAF4-PB-18-082-V1 y = SQ13-1701-01-r2 z = SQ13-1703-01-r2

³ The integrated patient table / detector of the ProxiDiagnost Stand system is designed to operate in both the vertical and horizontal positions. The system was tested with the patient table / detector in the horizontal (UUT-1A/B) and vertical (UUT-1C) positions.

⁴ ProxiDiagnost Stand weight listed does not include 540lb simulated patient weight included during the horizontal position tests.

⁵ The "xxx" designation indicates differences in color and software for the identified access point configuration.

SEISMIC CERTIFICATION LIMITS

System Component	Code	S _{DS} (g)	z / h	I _p	a _p	R _p	Ω ₀	F _p / W _p
DRF Table	CBC 2022	2.0	1.0	1.50	1.0	1.5	2.0	2.40
		2.5	0					1.13
Ceiling Suspension CSM	CBC 2022	2.0	1.0	1.50	2.5	2.5	2.0	3.60
		2.5	0					1.50
WIFI Access Point	CBC 2022	2.0	1.0	1.50	1.0	2.5	2.0	1.44
		2.5	0					1.13

**PHILIPS MEDICAL SYSTEMS DMC GmbH
SPECIAL SEISMIC CERTIFICATION
CERTIFIED SYSTEM AND COMPONENTS**



Manufacturer: Philips Medical Systems DMC GmbH

System: X-Ray and Fluoroscopy Systems

System Component ¹	Philips Part Number	Dimensions (in)			Weight (lb)	Mounting	UUT ²
		Width	Length	Height			
PC / User Interface / Uninterruptable Power Supply							
Eleva Workspot AWS-TX	4512-201-10351	8.5	10.9	17.6	33	floor	UUT _z -5
UPS APC SURT2000XLI	9890-010-88261	8.3	19.5	17.8	53	floor	UUT _z -6
Eleva Monitor Touch MIFC 2121 TPB	4512-202-03451	19.4	8.9	17.3	19	rigid base	UUT _y -13
Eleva Monitor Touch MIFC 2121 TPB	4512-202-03452	19.4	8.9	17.3	19	rigid base	interpolated
Precision CRF Monitor 21 MIFC 2221 TPB	3000-120-55031	19.4	8.9	17.3	19	rigid base	interpolated
Eleva Monitor Touch MIFC 2221 TPB	3000-108-25601	19.4	8.9	17.3	19	rigid base	interpolated
Eleva Monitor MIFC-21 21 TP	4512-202-03462	19.4	8.9	17.3	19	rigid base	interpolated
Precision CRF Monitor 21 MIFC-2221 TP	3000-120-55101	19.4	8.9	17.3	19	rigid base	interpolated
Eleva Monitor MIFC-2221 TP	3000-108-25551	19.4	8.9	17.3	19	rigid base	interpolated
Eleva Monitor MIFC-21 21 TP	4512-202-03461	19.4	8.9	17.3	19	rigid base	UUT _y -14
Geo Touch Screen Console	4512-134-69651	14.0	14.0	4.3	12	rigid base	UUT _y -15

Control Monitor

Eleva Examination Control Monitor	9890-010-87393	18.5	13.2	19.8	38	rigid base	UUT _w -11
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¹ All components are manufactured by Philips Medical Systems DMC GmbH unless noted in (). The 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:
w = SQ13-1406-01 x = TAF4-PB-18-082-V1 y = SQ13-1701-01-r2 z = SQ13-1703-01-r2

SEISMIC CERTIFICATION LIMITS

System Component	Code	S _{DS} (g)	z / h	I _p	a _p	R _p	Ω ₀	F _p / W _p
PC / User Interface / UPS	CBC 2022	2.00	1.0	1.50	1.0	2.5	2.0	1.44
		2.50	0					1.13
Eleva Examination Control Monitor	CBC 2022	1.93	1.0	1.50	1.0	2.5	2.0	1.39
		1.93	0					0.87

UUT_x-1A

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



Mounting Details: Rigid floor mounted with 3 - M12 grade 10.9 bolts with washer



Manufacturer: Philips Medical Systems DMC GmbH

Component: ProxiDiagnost Stand - Horizontal **Model Number:** 4512 202 03561

UUT Function: Motorized patient table and detector system used for X-Ray imaging.

UUT Description: Phillips X-Ray and Fluoroscopy System with patient table / detector in horizontal position. Installed Dectector: Fixed Pixium TX4343 RCE - 4598 009 40141

Test Location: IABG mbH, Germany **Test Date:** February 2018 **Report:** TAF4-PB-18-082-V1

UUT PROPERTIES

Weight (lb) with Patient	Dimensions (inches)			Natural Fequency (Hz)		
	Width	Depth	Height	FB	SS	V
4,060	78.7"	65.0"	62.6"	5.4	22.3	3.1

The patient table in the horizonatal position moves laterally both ways to accommodate different patients and procedures. The system was tested in the normal operating position with the table centered and a total simulated patient weight of 540lbs.

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)
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

Note: The unit was full of contents during testing and remained fuctional 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 3 - M12 grade 10.9 bolts with washer



Manufacturer: Philips Medical Systems DMC GmbH

Component: ProxiDiagnost Stand - Horizontal **Model Number:** 4512 202 03561

UUT Function: Motorized patient table and detector system used for X-Ray imaging.

UUT Description: Phillips X-Ray and Fluoroscopy System with patient table / detector in horizontal position. Installed Dectector: WIFI Pixium 3543EZ - 4598 012 42981

Test Location: IABG mbH, Germany **Test Date:** February 2018 **Report:** TAF4-PB-18-082-V1

UUT PROPERTIES

Weight (lb) with Patient	Dimensions (inches)			Natural Fequency (Hz)		
	Width	Depth	Height	FB	SS	V
4,060	78.7"	65.0"	62.6"	5.4	23.3	3

The patient table in the horizonatal position moves laterally both ways to accommodate different patients and procedures. The system was tested in the normal operating position with the table centered and a total simulated patient weight of 540lbs.

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)
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

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

UUT_x-1C

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



Mounting Details: Rigid floor mounted with 3 - M12 grade 10.9 bolts with washer



Manufacturer: Philips Medical Systems DMC GmbH

Component: ProxiDiagnost Stand - Vertical

Model Number: 4512 202 03561

UUT Function: Motorized patient table and detector system used for X-Ray imaging.

UUT Description: Phillips X-Ray and Fluoroscopy System with patient table / detector in vertical position. Installed Dectector: WIFI Pixium 3543EZ - 9897 010 00835

Test Location: IABG mbH, Germany

Test Date: February 2018

Report: TAF4-PB-18-082-V1

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Fequency (Hz)		
	Width	Depth	Height	FB	SS	V
3,520	78.7"	65.0"	62.6"	3.1	9.3	7.8

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)
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

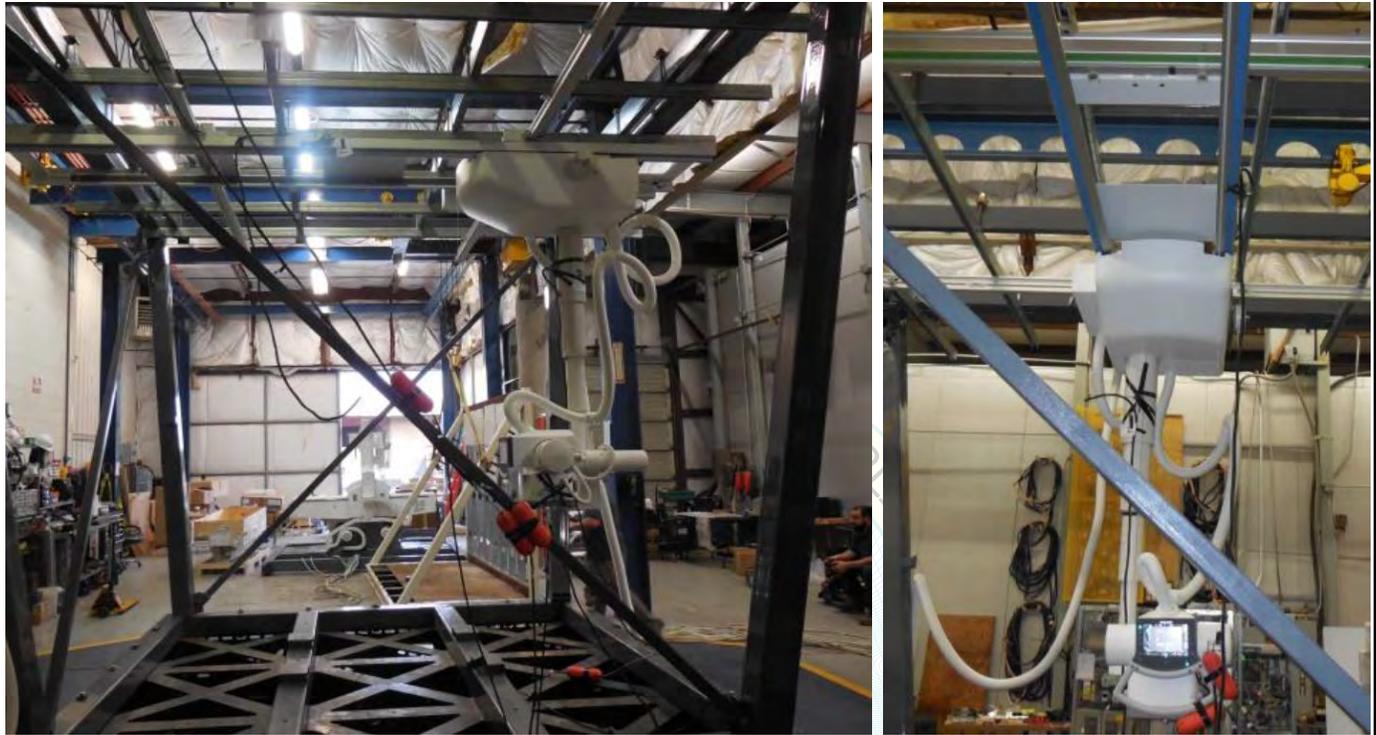
Note: The unit was full of contents during testing and remained fuctional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

UUT_y-3

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



Mounting Details: Rails and connecting parts of the component bolt with 2 - M10-12.9 bolts (28 total bolts) to unistrut grid spaced at 26.75" on center.



Manufacturer: Philips Medical Systems DMC GmbH

Component: Ceiling Suspension CSM - Long 4m Bridge - Version: Comfort Move

Model Number: 9890-010-87702 / 4512-201-10951

UUT Function: Digital system for making X-ray exposures of the body.

UUT Description: Component of Phillips X-Ray and Fluoroscopy Systems

Test Location: ETL, Dallas Texas

Test Date: January 2017

Report: SQ13-1701-01-r2

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
683	159.0"	31.0"	34.3" - 99.5"	NA	NA	NA

The CS system 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 an extension of 43.7" making the tested height = 78".

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)
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

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-4

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



Mounting Details: Rails and connecting parts of the component bolt with 2 - M10-12.9 bolts (16 total bolts) to unistrut grid spaced at 53.5" on center.



Manufacturer: Philips Medical Systems DMC GmbH

Component: Ceiling Suspension CSM - Short 2.3m Bridge - Version: Comfort Move

Model Number: 9890-010-87702 / 4512-201-10951

UUT Function: Digital system for making X-ray exposures of the body.

UUT Description: Component of Phillips X-Ray and Fluoroscopy Systems

Test Location: ETL, Dallas Texas **Test Date:** January 2017 **Report:** SQ13-1701-01-r2

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
622	92.8"	31.0"	34.3" - 99.5"	NA	NA	NA

The CS system 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 an extension of 31.7" making the tested height = 66".

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)
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

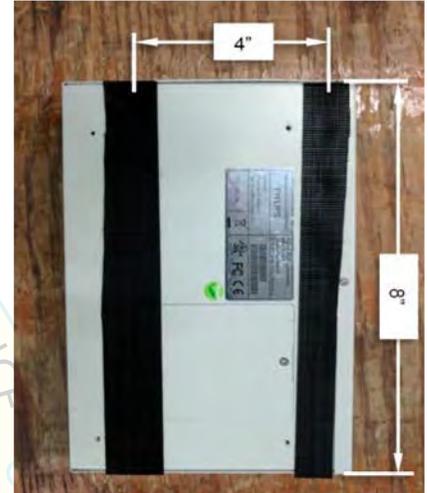
Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

UUT_z-8

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



Mounting Details: Floor mount with 2 - 8" long strips of VELCRO adhesive (Philips 4512-134-85811).



Manufacturer: AXIOMTEK

Component: M-Shield

Model Number: 4512 133 65531

UUT Function: Firewall hardware

UUT Description: Component of Phillips X-Ray and Fluoroscopy Systems

Test Location: ETL, Dallas Texas

Test Date: January 2017

Report: SQ13-1703-01-r2

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
3	8.8"	6.0"	1.9"	> 33	> 33	> 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)
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

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: Floor mount with 3-9.0" long strips of VELCRO adhesive (Philips 4512-134-85811).



Manufacturer: AXIOMTEK

Component: M-Shield

Model Number: 4512 133 65532

UUT Function: Firewall hardware

UUT Description: Component of Phillips X-Ray and Fluoroscopy Systems

Test Location: IABG mbH, Germany

Test Date: February 2018

Report: TAF4-PB-18-082-V1

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
1	9.1"	5.9"	1.8"	> 33	> 33	> 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)
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

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: Wall mount with 4 - size 3 wood screws.



Manufacturer: ARUBA

Component: WIFI Access Point

Model Number: 4512 201 12191

UUT Function: WIFI Module

UUT Description: Component of Phillips X-Ray and Fluoroscopy Systems

Test Location: IABG mbH, Germany

Test Date: February 2018

Report: TAF4-PB-18-082-V1

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
1	5.9"	5.9"	2.8"	NA	NA	NA

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)
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

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-5

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



Mounting Details: Rigid floor mounting using Phillips provided seismic restraint kit 4512-134-74741. Seismic restraint kit include a hand tightend cam buckle strap (200lb WLL) looped thru angle brackets on each side of the unit. The angle brackets are attached to the table with individual 3/8" grade 8 bolts.



Manufacturer: Kronton Europ GmbH

Component: Eleva Workspot AWS-TX **Model Number:** 4512-201-10351

UUT Function: Computational processing for image system.

UUT Description: Component of Phillips X-Ray and Fluoroscopy Systems

Test Location: ETL, Dallas Texas **Test Date:** January 2017 **Report:** SQ13-1703-01-r2

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Fequency (Hz)		
	Width	Depth	Height	FB	SS	V
33	8.5"	10.9"	17.6"	22.8	23.3	23.0

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)
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

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

UUT_z-6

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



Mounting Details: Rigid floor mounting using Phillips provided seismic restraint kit 4512-134-74741. Seismic restraint kit include a hand tightend cam buckle strap (200lb WLL) looped thru angle brackets on each side of the unit. The angle brackets are attached to the table with individual 3/8" grade 8 bolts.



Manufacturer: American Power Conversion (APC)

Component: UPS APC SURT2000XL1 **Model Number:** 9890-010-88261

UUT Function: Uniteruptable power supply

UUT Description: Component of Phillips X-Ray and Fluoroscopy Systems

Test Location: ETL, Dallas Texas **Test Date:** January 2017 **Report:** SQ13-1703-01-r2

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Fequency (Hz)		
	Width	Depth	Height	FB	SS	V
53	8.3"	19.5"	17.8"	15.1	21.1	23.4

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)
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

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

UUT_y-13

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



Mounting Details: Rigid floor mounting with 2 - #8 machine screws.



Manufacturer: Fimi S.r.l.

Component: Eleva Monitor Touch - MIFC2121 TPB | **Model Number:** 4512-202-03451

UUT Function: Touch screen monitor

UUT Description: Component of Phillips X-Ray and Fluoroscopy Systems

Test Location: ETL, Dallas Texas | **Test Date:** January 2017 | **Report:** SQ13-1701-01-r2

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
19.4	19.4"	8.9"	17.3"	9.7	9.3	13.4

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)
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

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-14

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



Mounting Details: Rigid floor mounting with 2 - #8 machine screws.



Manufacturer: Fimi S.r.l.

Component: Eleva Monitor Touch - MIFC-21 21 TP | **Model Number:** 4512-202-03461

UUT Function: Viewer monitor

UUT Description: Component of Phillips X-Ray and Fluoroscopy Systems

Test Location: ETL, Dallas Texas | **Test Date:** January 2017 | **Report:** SQ13-1701-01-r2

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
19.4	19.4"	8.9"	17.3"	14.0	9.7	> 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)
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

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-15

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



Mounting Details: Rigid floor mounting with 3 - M5 screws.



Manufacturer: Villa Sistemi Medicali

Component: Geo Touch Screen Console

Model Number: 4512-134-69651

UUT Function: Touch screen console

UUT Description: Component of Phillips X-Ray and Fluoroscopy Systems

Test Location: ETL, Dallas Texas

Test Date: January 2017

Report: SQ13-1701-01-r2

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
12	14.0"	14.0"	4.3"	> 33	> 33	> 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)
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

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-11

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



Mounting Details: Rigid floor mounting with 4 - 1/4" machine screws.



Manufacturer: Philips Medical Systems DMC GmbH

Component: Eleva Examination Control Monitor

Model Number: 9890-010-87393

UUT Function: Touch Screen Control Monitor

UUT Description: Component of Phillips X-Ray and Fluoroscopy Systems

Test Location: ETL, Dallas Texas

Test Date: October 2014

Report: SQ13-1406-01

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
38	18.5"	13.2"	19.8"	3.7	10.7	20.3

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)
CBC 2022 / ICC-ES AC156	1.93	1.0	1.5	3.09	2.32		
	1.93	0.0	1.5			1.29	0.52

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.