



**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION  
FACILITIES DEVELOPMENT DIVISION**

**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: Fluoroscopy and Radiography Systems

Product Type: NA

Product Model Number: Philips X-Ray and Fluoroscopy Systems

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

Mounting Description: Rigid, See Certified Product Tables

Tested Seismic Enhancements: None

**Applicant Information**

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

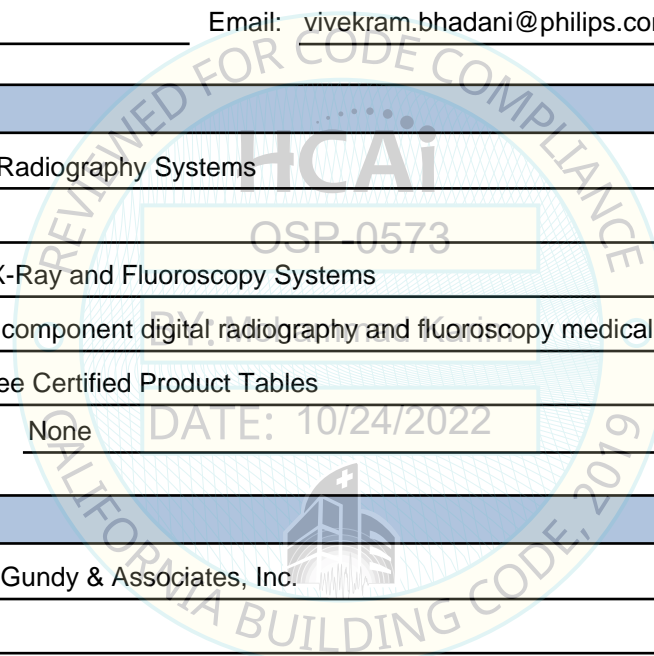
Contact Person: Travis Soppe

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

Telephone: (208) 342-5989

Email: tsoppe@wegai.com

Title: President





**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION  
FACILITIES DEVELOPMENT DIVISION**

**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

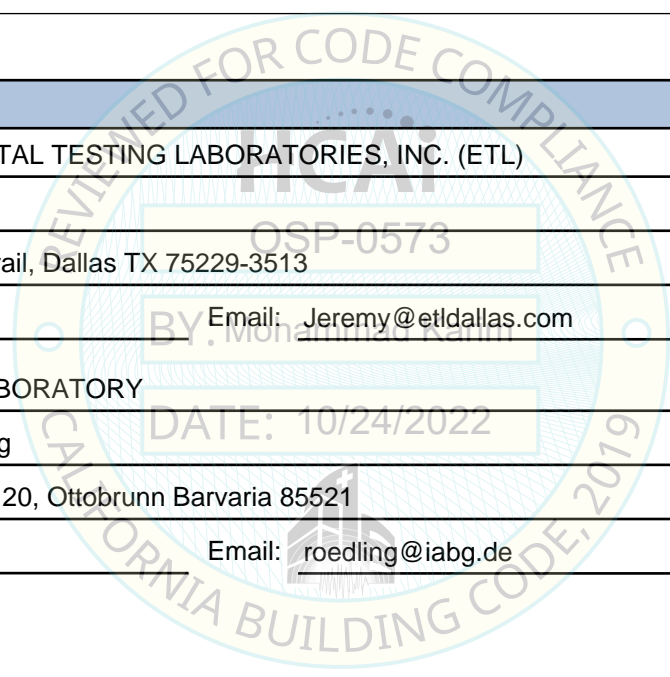
**Certification Method**

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 Barvaria 85521  
Telephone: (49896) 088-2052 Email: roedling@iabg.de





**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION  
FACILITIES DEVELOPMENT DIVISION**

**Seismic Parameters**

Design Basis of Equipment or Components ( $F_p/W_p$ ) = See Attachments

SDS (Design spectral response acceleration at short period, g) = See Attachments

$a_p$  (Amplification factor) = See attachments

$R_p$  (Response modification factor) = See attachments

$\Omega_0$  (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

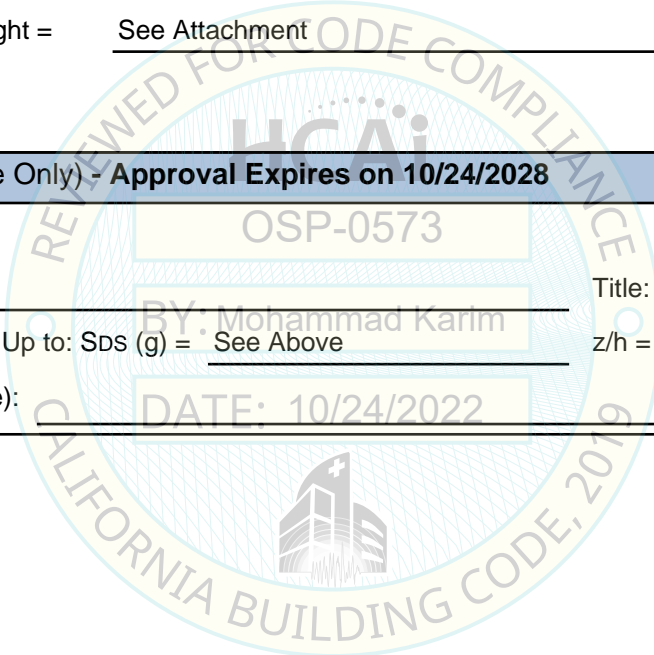
**HCAI Approval (For Office Use Only) - Approval Expires on 10/24/2028**

Date: 10/24/2022

Name: Mohammad Karim Title: Supervisor, Health Facilities

Special Seismic Certification Valid Up to: SDS (g) = See Above z/h = See Above

Condition of Approval (if applicable): DATE: 10/24/2022



**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 <sup>1</sup>	Philips Part Number	Dimensions (in)			Weight (lb)	Mounting	UUT <sup>2</sup>
		Width	Length	Height			
<b>DRF Table</b>							
ProxiDiagnost Table <sup>3</sup>	4512 202 03561	78.7	65.0	62.6	3520 <sup>4</sup>	floor	UUT <sub>x</sub> -1A UUT <sub>x</sub> -1B UUT <sub>x</sub> -1C
<b>Ceiling Suspension CSM</b>							
CSM - Long 4m Bridge Version: Comfort Move	9890-010-87702 4512-201-10951	159.0	31.0	34.3-99.5	683	ceiling	UUT <sub>y</sub> -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 <sub>y</sub> -4
<b>Wifi Access Point</b>							
M-Shield (AXIOMTEK)	4512-133-65531	8.8	6.0	1.9	3	floor	UUT <sub>z</sub> -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 <sub>x</sub> -3
WIFI Access Point (ARUBA)	4512 201 12191 4512 201 12xxx <sup>5</sup>	5.9	5.9	2.8	1	wall	UUT <sub>x</sub> -4

<sup>1</sup> 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.

<sup>2</sup> 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

<sup>3</sup> 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.

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

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

**SEISMIC CERTIFICATION LIMITS**

System Component	Code	S <sub>DS</sub> (g)	z / h	I <sub>p</sub>	a <sub>p</sub>	R <sub>p</sub>	Ω <sub>0</sub>	F <sub>p</sub> / W <sub>p</sub>
DRF Table	CBC 2019	2.0	1.0	1.50	1.0	1.5	2.0	2.40
		2.5	0					1.13
Ceiling Suspension CSM	CBC 2019	2.0	1.0	1.50	2.5	2.5	2.0	3.60
		2.5	0					1.50
WIFI Access Point	CBC 2019	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 <sup>1</sup>	Philips Part Number	Dimensions (in)			Weight (lb)	Mounting	UUT <sup>2</sup>
		Width	Length	Height			
<b>PC / User Interface / Uninterruptable Power Supply</b>							
Eleva Workspot AWS-TX	4512-201-10351	8.5	10.9	17.6	33	floor	UUT <sub>z</sub> -5
UPS APC SURT2000XLI	9890-010-88261	8.3	19.5	17.8	53	floor	UUT <sub>z</sub> -6
Eleva Monitor Touch MIFC 2121 TPB	4512-202-03451	19.4	8.9	17.3	19	rigid base	UUT <sub>z</sub> -13
Eleva Monitor Touch MIFC 2121 TPB	4512-202-03452	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
Eleva Monitor MIFC-21 21 TP	4512-202-03461	19.4	8.9	17.3	19	rigid base	UUT <sub>z</sub> -14
Geo Touch Screen Console	4512-134-69651	14.0	14.0	4.3	12	rigid base	UUT <sub>z</sub> -15
<b>Control Monitor</b>							
Eleva Examination Control Monitor	9890-010-87393	18.5	13.2	19.8	38	rigid base	UUT <sub>w</sub> -11

<sup>1</sup> 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.

<sup>2</sup> 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**

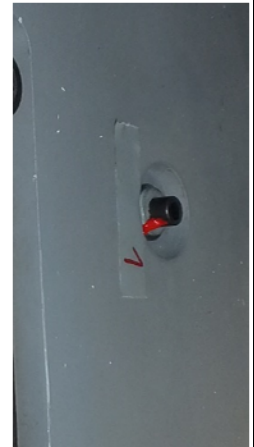
System Component	Code	S <sub>DS</sub> (g)	z / h	I <sub>p</sub>	a <sub>p</sub>	R <sub>p</sub>	Ω <sub>0</sub>	F <sub>p</sub> / W <sub>p</sub>
PC / User Interface / UPS	CBC 2019	2.00	1.0	1.50	1.0	2.5	2.0	1.44
		2.50	0					1.13
Eleva Examination Control Monitor	CBC 2019	1.93	1.0	1.50	1.0	2.5	2.0	1.39
		1.93	0					0.87

UUT<sub>x</sub>-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 Frequency (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 horizontal 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 <sub>DS</sub> (g)	z / h	I <sub>P</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)
CBC 2019 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40		
	2.50	0.0	1.5			1.67	0.67

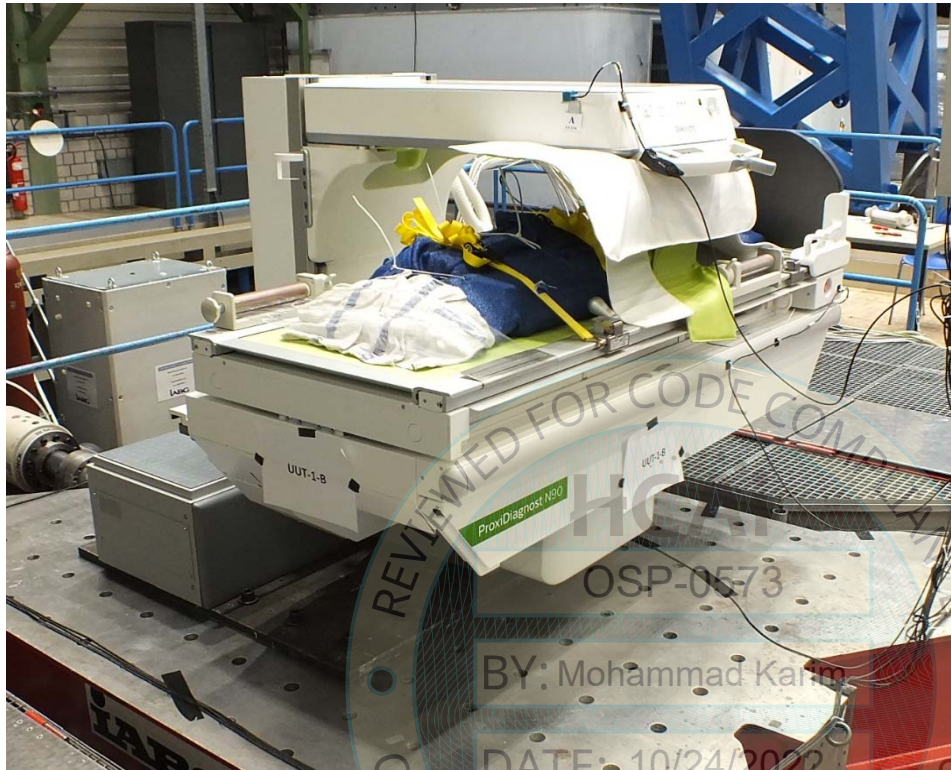
Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

UUT<sub>x</sub>-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 Frequency (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 horizontal 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 <sub>DS</sub> (g)	z / h	I <sub>P</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)
CBC 2019 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40		
	2.50	0.0	1.5			1.67	0.67

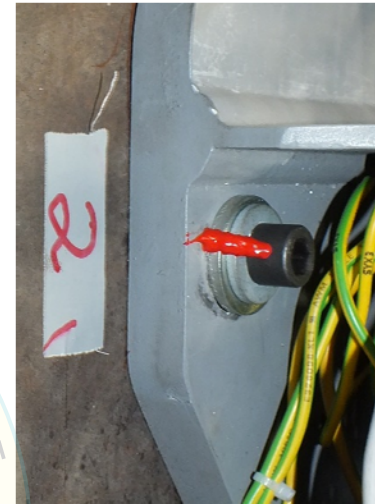
Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

UUT<sub>x</sub>-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 <sub>DS</sub> (g)	z / h	I <sub>P</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)
CBC 2016 / 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<sub>y</sub>-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 Fequency (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 accomodate 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 <sub>DS</sub> (g)	z / h	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)
CBC 2019 / 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<sub>y</sub>-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 Fequency (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 accomodate 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 <sub>DS</sub> (g)	z / h	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)
CBC 2019 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40		
	2.50	0.0	1.5			1.67	0.67

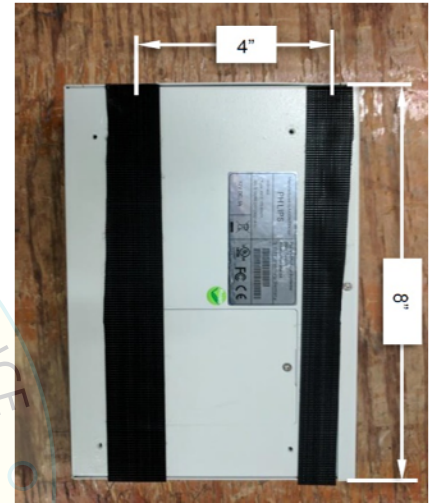
Note: The unit was full of contents during testing and remained fuctional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

UUT<sub>z</sub>-8

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



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



REVIEWED FOR CODE COMPLIANCE  
 CAi  
 OSP-0573  
 BY: Mohammad Karim  
 DATE: 10/24/2022  
 CALIFORNIA BUILDING CODE, 2019

**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 <sub>DS</sub> (g)	z / h	I <sub>P</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)
CBC 2019 / 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<sub>x</sub>-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 <sub>DS</sub> (g)	z / h	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)
CBC 2019 / 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<sub>x</sub>-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 Fequency (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 <sub>DS</sub> (g)	z / h	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)
CBC 2019 / 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<sub>z</sub>-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.



REVIEWED FOR CODE COMPLIANCE  
 BY: Mohammad Karim  
 DATE: 10/24/2022  
 CALIFORNIA BUILDING CODE, 2019

**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 <sub>Ds</sub> (g)	z / h	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)
CBC 2019 / 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<sub>z</sub>-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 <sub>Ds</sub> (g)	z / h	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)
CBC 2019 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40		
	2.50	0.0	1.5			1.67	0.67

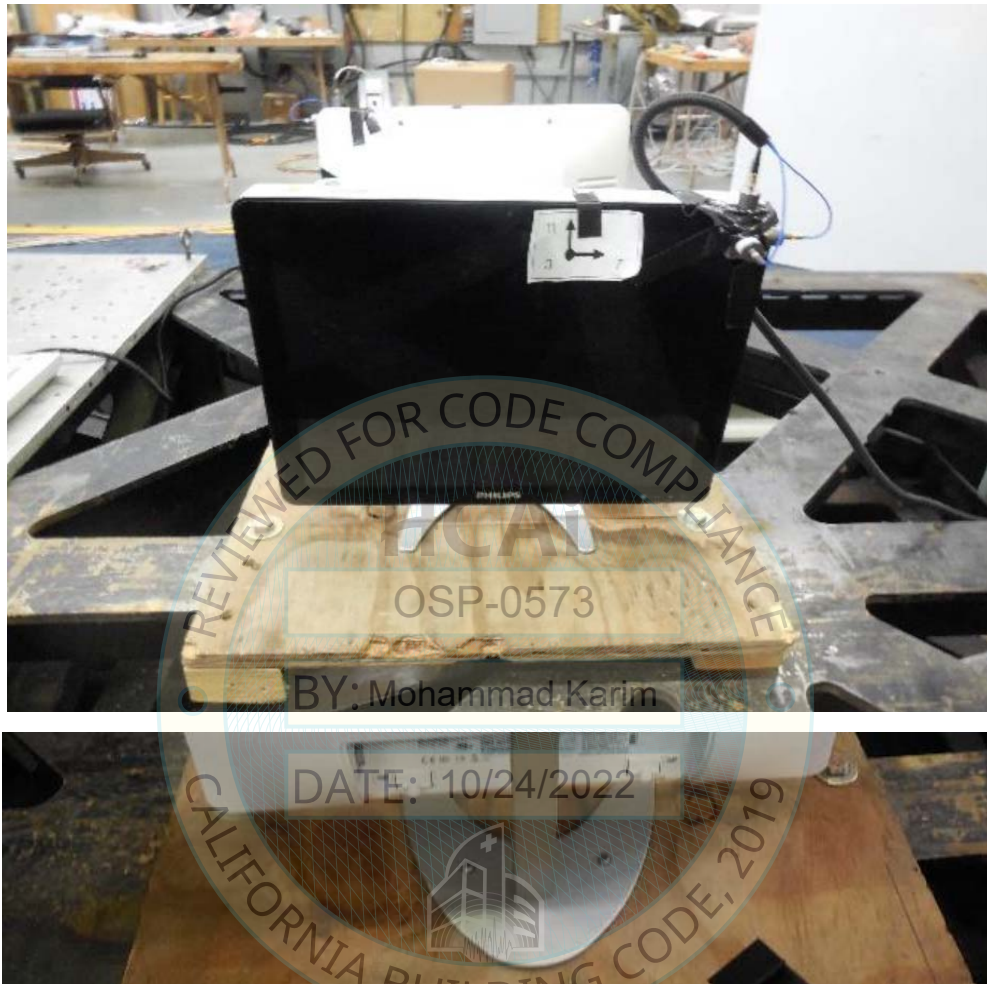
Note: The unit was full of contents during testing and remained fuctional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 Test.

UUT<sub>y</sub>-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 <sub>DS</sub> (g)	z / h	I <sub>P</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)
CBC 2019 / 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<sub>y</sub>-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 <sub>DS</sub> (g)	z / h	I <sub>P</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)
CBC 2019 / 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<sub>y</sub>-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 <sub>DS</sub> (g)	z / h	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)
CBC 2019 / 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<sub>w</sub>-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 <sub>DS</sub> (g)	z / h	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)
CBC 2019 / 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.