



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION  
FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR HCAI SPECIAL SEISMIC  
CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP-0681

HCAI Special Seismic Certification Preapproval (OSP)

Type:  New  Renewal

Manufacturer Information

Manufacturer: Philips Medical Systems DMC GmbH

Manufacturer's Technical Representative: Ming Xiao

Mailing Address: Röntgenstraße 24, 22335 Hamburg, Germany

Telephone: (94034) 971-2306

Email: Ming.Xiao@Philips.com

Product Information

Product Name: Fluoroscopy and Radiography Systems

Product Type: NA

Product Model Number: See certified product line matrices

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

Mounting Description: Several – See UUT Sheets, See Certified Product Tables

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



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

**California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)**

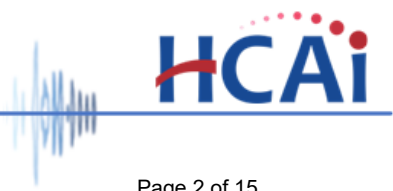
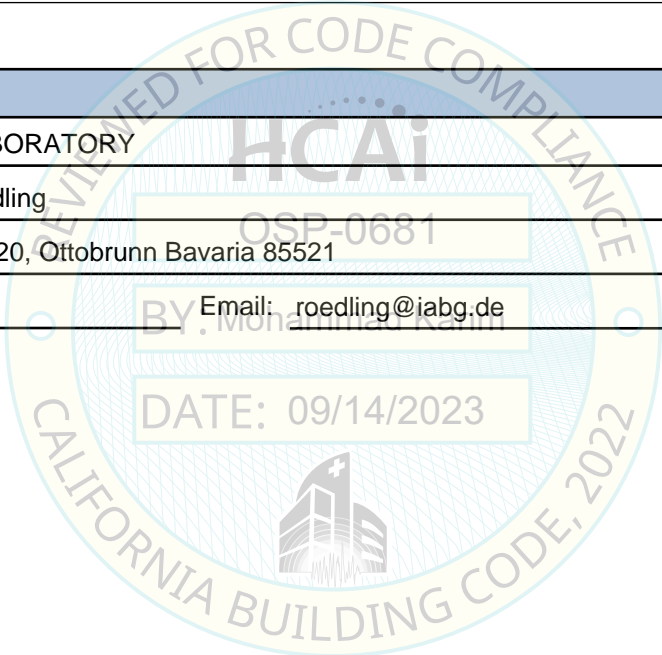
Company Name: W.E. GUNDY & ASSOCIATES INC.  
Name: Travis Soppe California License Number: S6115  
Mailing Address: P.O. Box 9121, Boise, ID 83707  
Telephone: (208) 342-5989 Email: tsoppe@wegai.com

**Certification Method**

GR-63-Core       ICC-ES AC156       IEEE 344       IEEE 693       NEBS 3  
 Other (Please Specify): \_\_\_\_\_

**Testing Laboratory**

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





**DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION  
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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) = 2.0 at z/h = 1 and 2.5 at z/h = 0

$a_p$  (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

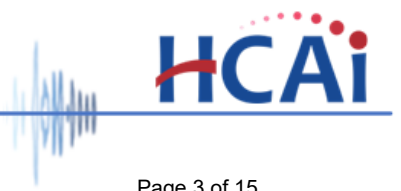
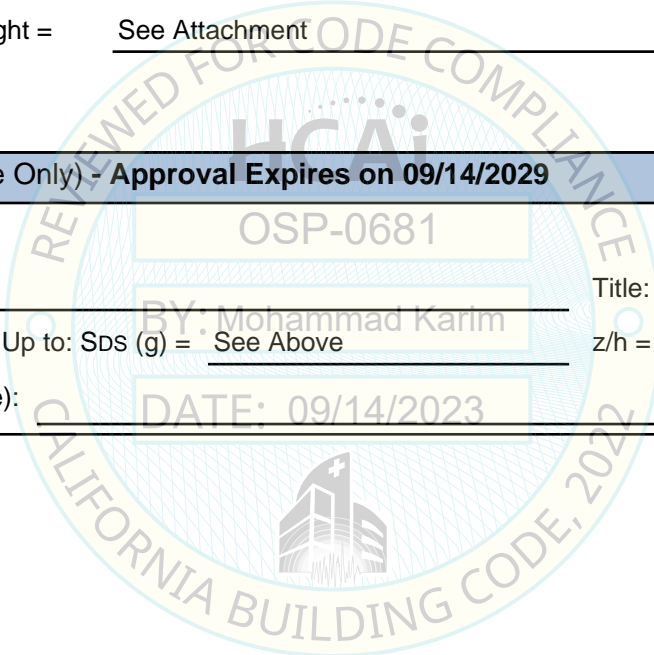
**HCAI Approval (For Office Use Only) - Approval Expires on 09/14/2029**

Date: 9/14/2023

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: 09/14/2023



<b>Table 1</b>	<b>PHILIPS MEDICAL SYSTEMS DMC GmbH SPECIAL SEISMIC CERTIFICATION CERTIFIED SYSTEM AND COMPONENTS</b>					 <b>WEGAI</b> <small>W.E. GUNDY &amp; ASSOCIATES, INC. STRUCTURAL &amp; EARTHQUAKE ENGINEERING</small>	
	<b>System:</b> X-Ray and Fluoroscopy Systems			<b>Manufacturer:</b> Philips Medical Systems DMC GmbH			

System Component <sup>1</sup>	Philips Part Number	Dimensions (in)			Weight (lb)	Mounting	UUT <sup>2</sup>
		Width	Length	Height			

Monitor Suspensions							
MCS 1 Monitor	4512-202-03332	72.4	33.9	34.6-70.9	222	ceiling	UUT <sub>x</sub> -8
MCS 2 Monitors	4512-202-03342	72.4	33.9	34.6-70.9	244	ceiling	interpolated
MCS 3 Monitors	4512-202-03352	72.4	33.9	34.6-70.9	258	ceiling	UUT <sub>x</sub> -7

Vertical Stand VS2							
Vertical Stand 2 VS2 Non-Tilting - Fixed Detector	9897-010-01411 4598-009-4014x	28.3	60.6	82.7	518	floor/wall	UUT <sub>y</sub> -1
Vertical Stand 2 VS2 Non-Tilting - Wifi Detector	9897-010-01411 4598-015-74931	28.3	60.6	82.7	478	floor/wall	interpolated
Vertical Stand 2 VS2 Tilting - Wifi Detector	9897-010-01411 4598-015-74931	28.3	60.6	82.7	493	floor/wall	UUT <sub>y</sub> -2
Vertical Stand 2 VS2 Non-Tilting - Wifi Detector	9897-010-01411 4598-012-76111	28.3	60.6	82.7	481	floor/wall	interpolated
Vertical Stand 2 VS2 Tilting - Wifi Detector	9897-010-01411 4598-012-76111	28.3	60.6	82.7	493	floor/wall	UUT <sub>y</sub> -14

WIFI Access Point							
ARUBA 303 (ARUBA)	3000-055-10841	5.9	5.9	2.9	1	wall	UUT <sub>y</sub> -3
ARUBA 305 (ARUBA)	3000-055-10851	5.9	5.9	2.5	2	wall	UUT <sub>y</sub> -4

**Notes:**  
<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 UUT's reference the following seismic certification test reports:  
w = TAB3-PB-19-020-V1    x = TAB3-PB-20-129-V1    y = TAB3-PB-20-127-V1

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>
Monitor Suspensions	CBC 2022	2.0	1.0	1.50	2.5	2.5	2.0	3.60
		2.5	0					1.50
Vertical Stand VS2	CBC 2022	2.0	1.0	1.50	1.0	1.5	2.0	2.40
		2.5	0					1.13
WIFI Access Point	CBC 2022	2.0	1.0	1.50	1.0	2.5	2.0	1.44
		2.5	0					1.13

<b>Table 1</b>	<b>PHILIPS MEDICAL SYSTEMS DMC GmbH SPECIAL SEISMIC CERTIFICATION CERTIFIED SYSTEM AND COMPONENTS</b>					 <b>WEGAI</b> <small>W.E. GUNDY &amp; ASSOCIATES, INC. STRUCTURAL &amp; EARTHQUAKE ENGINEERING</small>		

<b>System:</b> X-Ray and Fluoroscopy Systems				<b>Manufacturer:</b> Philips Medical Systems DMC GmbH			
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System Component <sup>1</sup>	Philips Part Number	Dimensions (in)			Weight (lb)	Mounting	UUT <sup>2</sup>
		Width	Length	Height			

<b>PC / User Interface</b>							
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AWS-DI - CombiDiagnost	4512-202-04321	6.7	17.0	17.0	25	floor	UUT <sub>y</sub> -5
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AWS-DI - ProxiDiagnost	3000-062-16541	6.7	17.0	17.0	24	floor	interpolated
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AWS-DI3	3000-100-11091	8.0	17.0	13.2	31	floor	interpolated
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AWS-2X PC - DigitalDiagnost	4512-201-11781	8.5	10.9	17.6	33	floor	UUT <sub>w</sub> -4
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<b>Uninterruptible Power Supply</b>							
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UPS GXT4-1000RT230	4598-010-49611	3.3	16.9	19.7	33	floor	UUT <sub>y</sub> -9
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**Notes:**

<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 UUT's reference the following seismic certification test reports:

w = TAB3-PB-19-020-V1    x = TAB3-PB-20-129-V1    y = TAB3-PB-20-127-V1

<b>SEISMIC CERTIFICATION LIMITS</b>								
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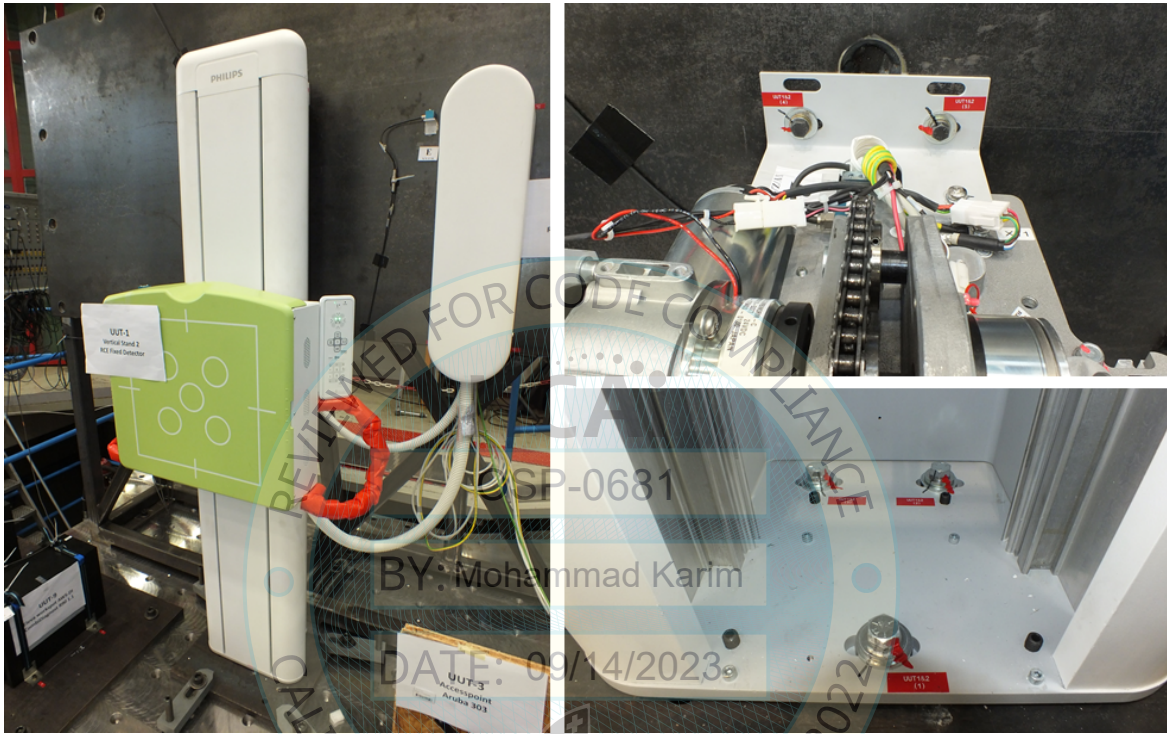
System Component	Code	S <sub>DS</sub> (g)	z / h	I <sub>p</sub>	a <sub>p</sub>	R <sub>p</sub>	Ω <sub>0</sub>	F <sub>p</sub> / W <sub>p</sub>
PC / User Interface	CBC 2022	2.0	1.0	1.50	2.5	6.0	2.0	1.50
		2.5	0					1.13
Uninterruptible Power Supply	CBC 2022	2.0	1.0	1.50	2.5	6.0	2.0	1.50
		2.5	0					1.13

UUT<sub>y</sub>-1

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



**Mounting Details:** Floor/wall mount with 3 – ½ inch grade 8 bolts (90 ft-lbs torque) with washers to the floor combined with 2 – ¾ inch grade 8 bolts (35 ft-lbs torque) with washers to the wall fixture. The electrical box is mounted to wall fixture with 4 – ¼ inch grade 8 bolts (10 ft-lbs torque) with washers.



<b>Manufacturer:</b> Philips Medical Systems DMC GmbH	<b>Test Location:</b> IABG mbH, Germany
<b>Component:</b> Vertical Stand 2 VS2 Non-Tilting - Fixed Detector	<b>Test Date:</b> September 2020
<b>Model Number:</b> 9897-010-01411 / 4598-009-4014x	<b>Report Number:</b> TAB3-PB-20-127-V1
<b>UUT Function:</b> Vertical X-Ray imaging system	
<b>UUT Description:</b> Vertical stand detector for X-Ray and Fluoroscopy Systems Non-Tilting with RCE Fixed detector: 4598-009-4014x	

**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
359	28.3	60.6	82.7	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 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<sub>y</sub>-2

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



**Mounting Details:** Floor/wall mount with 3 – ½ inch grade 8 bolts (90 ft-lbs torque) with washers to the floor combined with 2 – ¾ inch grade 8 bolts (35 ft-lbs torque) with washers to the wall fixture. The electrical box is mounted to wall fixture with 4 – ¼ inch grade 8 bolts (10 ft-lbs torque) with washers.



<b>Manufacturer:</b> Philips Medical Systems DMC GmbH	<b>Test Location:</b> IABG mbH, Germany
<b>Component:</b> Vertical Stand 2 VS2 Tilting - Wifi Detector	<b>Test Date:</b> September 2020
<b>Model Number:</b> 9897-010-01411 / 4598-015-74931	<b>Report Number:</b> TAB3-PB-20-127-V1
<b>UUT Function:</b> Vertical X-Ray imaging system	
<b>UUT Description:</b> Vertical stand detector for X-Ray and Fluoroscopy Systems Tilting with EZ Small 1.2 Wifi detector: 4598-015-74931	

**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
493	28.3	60.6	82.7	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 2022 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	--	--
	2.50	0.0	1.5	--	--	1.67	0.67

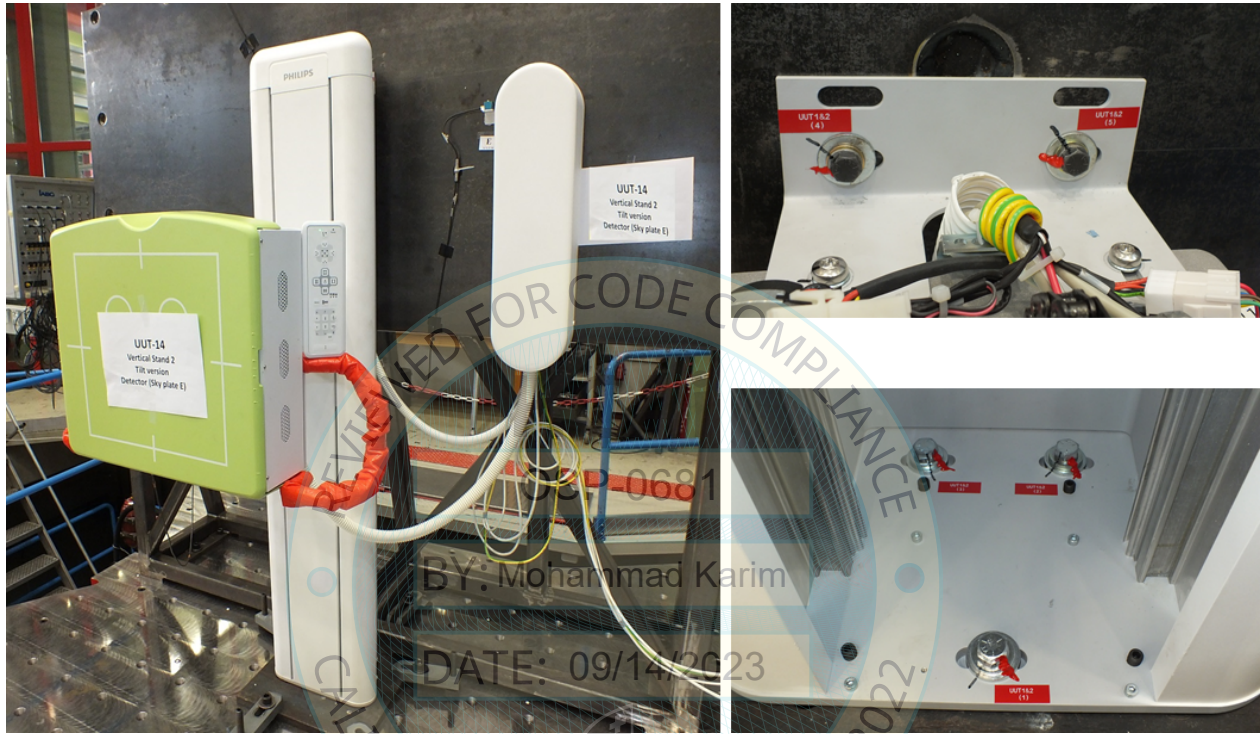
Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

UUT<sub>y</sub>-14

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



**Mounting Details:** Floor/wall mount with 3 – ½ inch grade 8 bolts (90 ft-lbs torque) with washers to the floor combined with 2 – ¾ inch grade 8 bolts (35 ft-lbs torque) with washers to the wall fixture. The electrical box is mounted to wall fixture with 4 – ¼ inch grade 8 bolts (10 ft-lbs torque) with washers.



<b>Manufacturer:</b> Philips Medical Systems DMC GmbH	<b>Test Location:</b> IABG mbH, Germany
<b>Component:</b> Vertical Stand 2 VS2 Tilting - Wifi Detector	<b>Test Date:</b> September 2020
<b>Model Number:</b> 9897-010-01411 / 4598-012-76111	<b>Report Number:</b> TAB3-PB-20-127-V1
<b>UUT Function:</b> Vertical X-Ray imaging system	
<b>UUT Description:</b> Vertical stand detector for X-Ray and Fluoroscopy Systems Tilting with Skyplate E Wifi detector: 4598-012-76111	

**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
493	28.3	60.6	82.7	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 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.

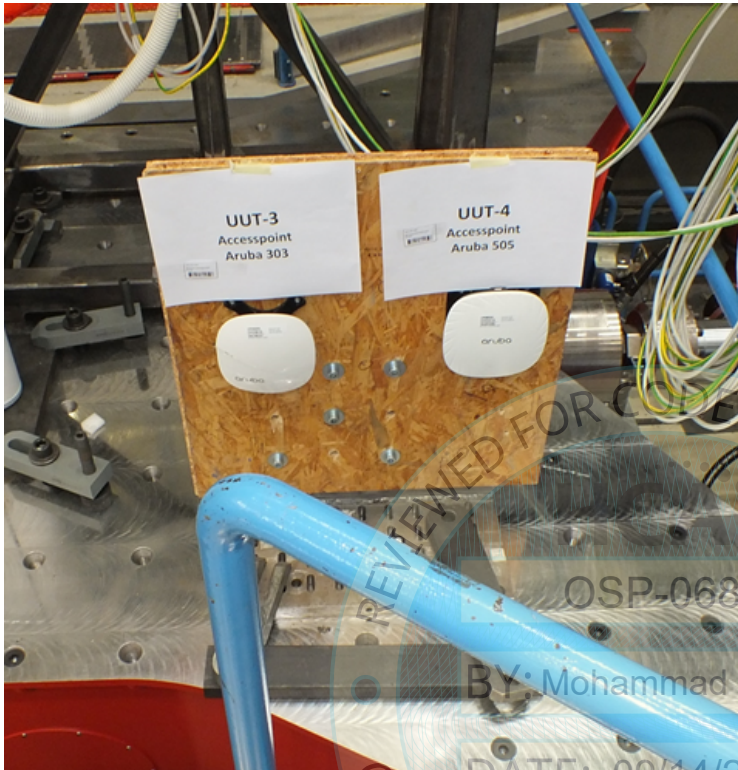


UUT<sub>y</sub>-3

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



**Mounting Details:** Wall mount with 4 - size 3 wood screws.



<b>Manufacturer:</b> ARUBA	<b>Test Location:</b> IABG mbH, Germany
<b>Component:</b> ARUBA 303	<b>Test Date:</b> September 2020
<b>Model Number:</b> 3000-055-10841	<b>Report Number:</b> TAB3-PB-20-127-V1
<b>UUT Function:</b> WIFI Module	
<b>UUT Description:</b> WIFI access point for X-Ray and Fluoroscopy Systems	

**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
1	5.9	5.9	2.9	na	na	na

**SEISMIC TEST PARAMETERS**

Building Code / Test Criteria	S <sub>DS</sub> (g)	z / h	I <sub>p</sub>	A <sub>AFLX-H</sub> (g)	A <sub>ARIG-H</sub> (g)	A <sub>AFLX-V</sub> (g)	A <sub>ARIG-V</sub> (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

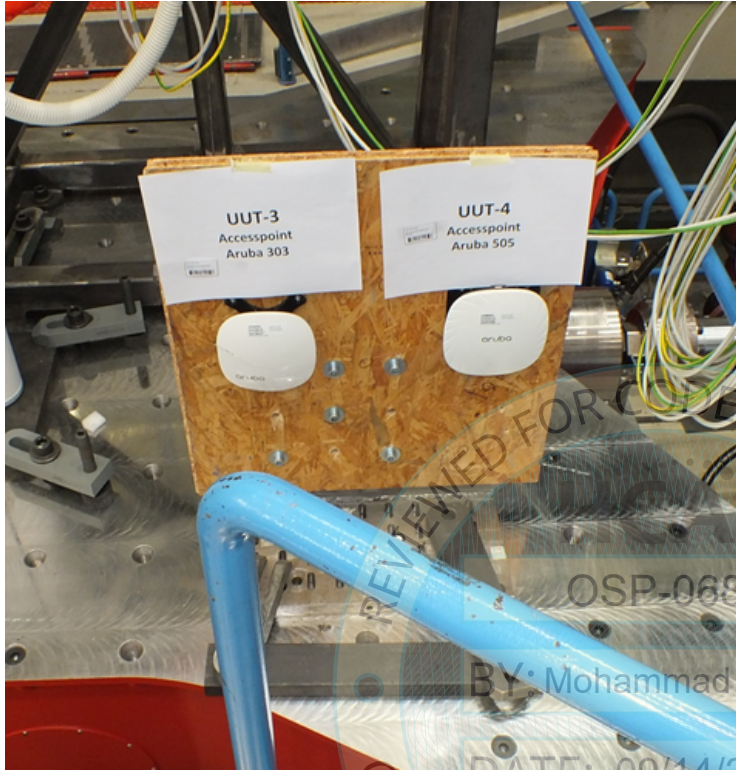
Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

UUT<sub>y</sub>-4

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



**Mounting Details:** Wall mount with 4 - size 3 wood screws.



<b>Manufacturer:</b> ARUBA	<b>Test Location:</b> IABG mbH, Germany
<b>Component:</b> ARUBA 305	<b>Test Date:</b> September 2020
<b>Model Number:</b> 3000-055-10851	<b>Report Number:</b> TAB3-PB-20-127-V1
<b>UUT Function:</b> WIFI Module	
<b>UUT Description:</b> WIFI access point for X-Ray and Fluoroscopy Systems	

**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
2	5.9	5.9	2.5	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 2022 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	--	--
	2.50	0.0	1.5	--	--	1.67	0.67

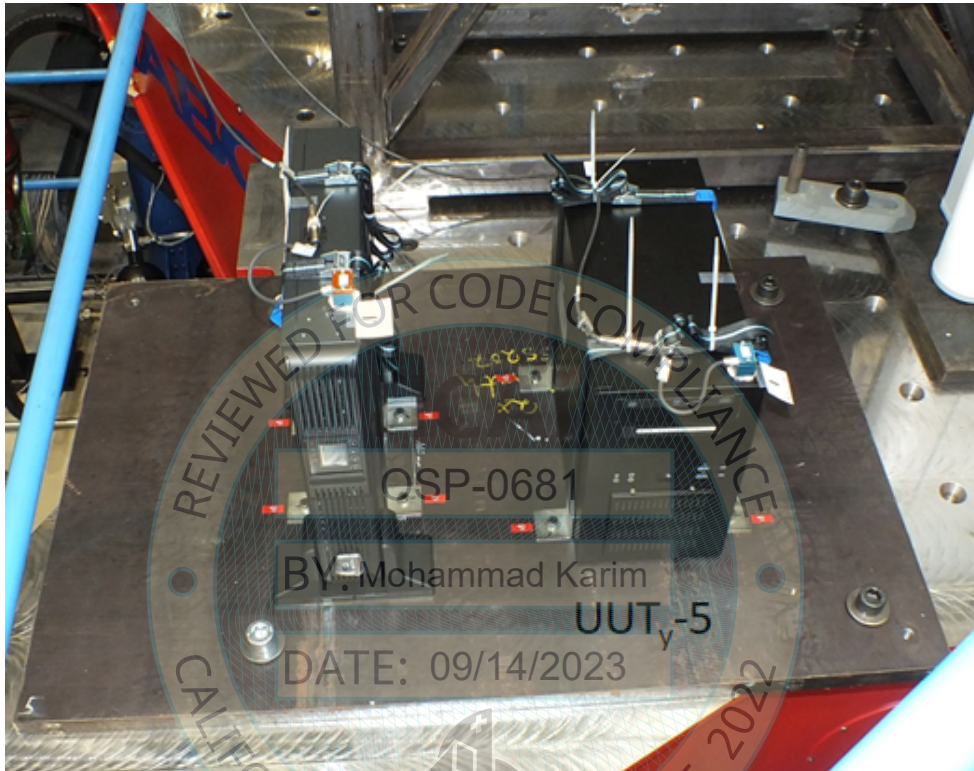
Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

UUT<sub>y</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 includes a hand tightened cam buckle strap looped thru angle brackets on each side of the unit. The angle brackets are attached to the table with individual 3/8 inch grade 8 bolts.



**Manufacturer:** Philips Medical Systems DMC GmbH | **Test Location:** IABG mbH, Germany

**Component:** Eleva Workspot AWS-DI | **Test Date:** September 2020

**Model Number:** 4512-202-04321 | **Report Number:** TAB3-PB-20-127-V1

**UUT Function:** Computational processing for image system

**UUT Description:** PC / Image processing and user interface for X-Ray and Fluoroscopy Systems

**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
25	6.7	17.0	17.0	29.7	22.4	> 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 2022 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	--	--
	2.50	0.0	1.5	--	--	1.67	0.67

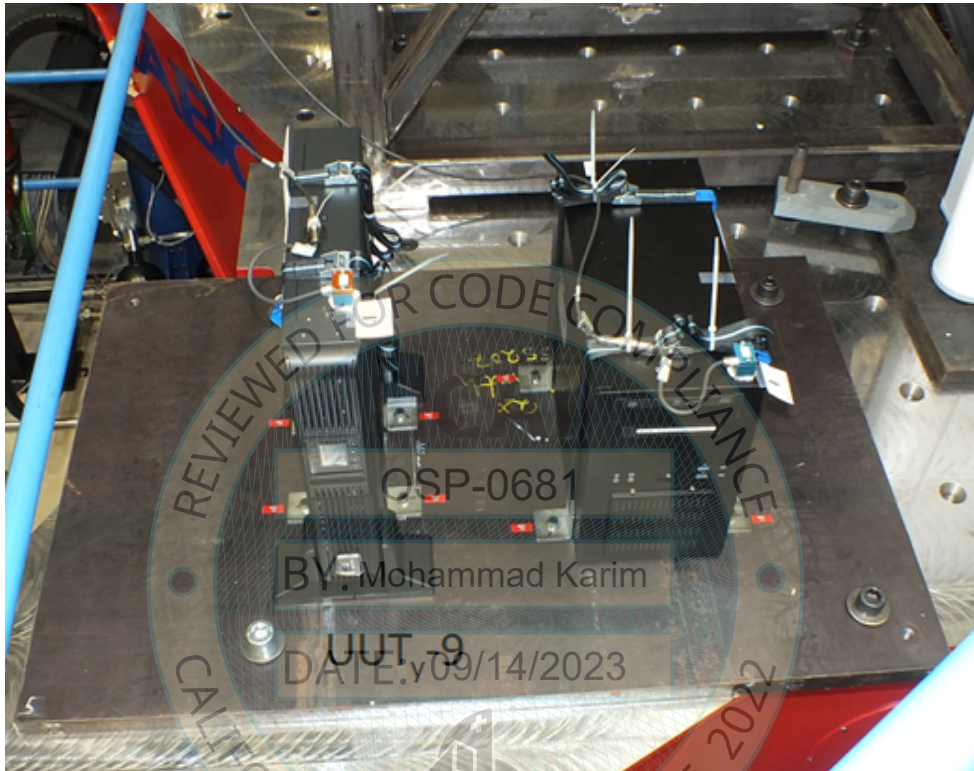
Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

UUT<sub>y</sub>-9

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



**Mounting Details:** Rigid floor mounting using Phillips provided seismic restraint kit 4512-134-74741. Seismic restraint kit includes a hand tightened cam buckle strap looped thru angle brackets on each side of the unit. The angle brackets are attached to the table with individual 3/8 inch grade 8 bolts.



<b>Manufacturer:</b> Philips Medical Systems DMC GmbH	<b>Test Location:</b> IABG mbH, Germany
<b>Component:</b> UPS GXT4-1000RT230	<b>Test Date:</b> September 2020
<b>Model Number:</b> 4598-010-49611	<b>Report Number:</b> TAB3-PB-20-127-V1

**UUT Function:** Uninterruptible power supply

**UUT Description:** Uninterruptible power supply for X-Ray and Fluoroscopy Systems

**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
33	3.3	16.9	19.7	> 33	17.7	> 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 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<sub>x</sub>-7

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



**Mounting Details:** Rails and connecting parts of the component bolt to Unistrut grid with 2 - M10 bolts at each intersecting location (spaced at 25.6" 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:** Philips Medical Systems DMC GmbH | **Test Location:** IABG mbH, Germany

**Component:** MCS 3 Monitors | **Test Date:** September 2020

**Model Number:** 4512-202-03352 | **Report Number:** TAB3-PB-20-127-V1

**UUT Function:** Suspension of monitors used for medical equipment

**UUT Description:** Monitor suspension for X-Ray and Fluoroscopy Systems

**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
258	72.4	33.9	34.6-70.9	> 33	27.0	> 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 2022 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	--	--
	2.50	0.0	1.5	--	--	1.67	0.67

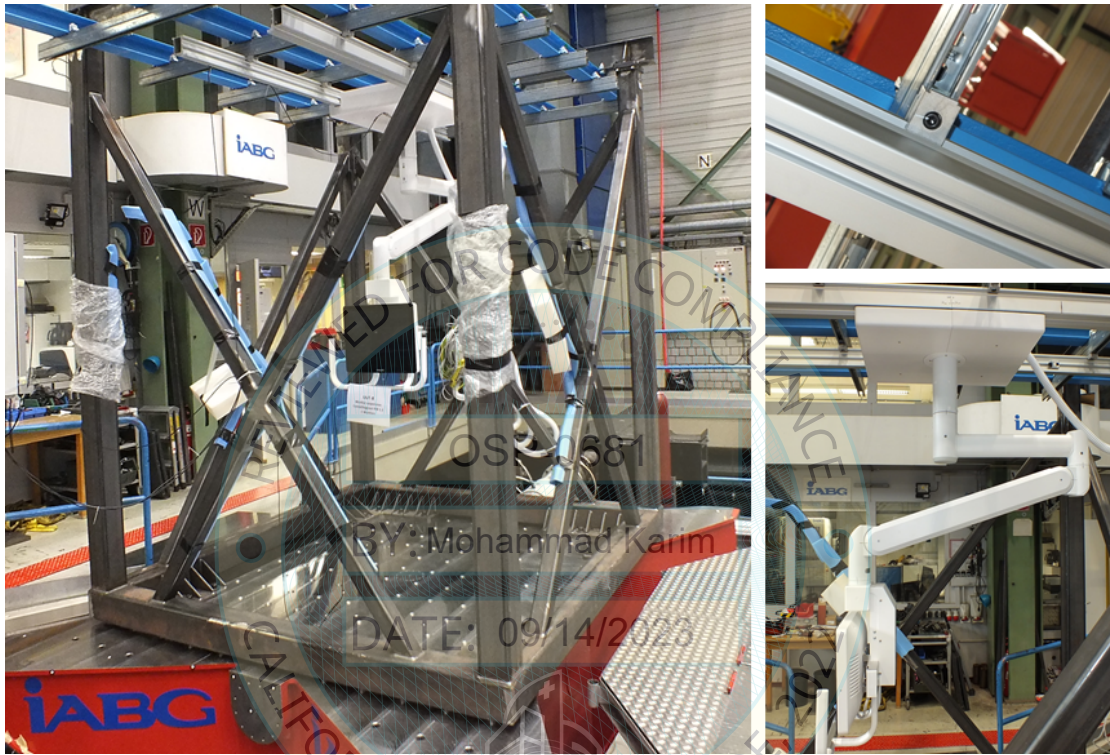
Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

UUT<sub>x-8</sub>

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



**Mounting Details:** Rails and connecting parts of the component bolt to Unistrut grid with 2 - M10 bolts at each intersecting location (spaced at 25.6" 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:** Philips Medical Systems DMC GmbH | **Test Location:** IABG mbH, Germany

**Component:** MCS 1 Monitor | **Test Date:** September 2020

**Model Number:** 4512-202-03332 | **Report Number:** TAB3-PB-20-127-V1

**UUT Function:** Suspension of monitor used for medical equipment

**UUT Description:** Monitor suspension for X-Ray and Fluoroscopy Systems

**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
222	72.4	33.9	34.6-70.9	26.7	27.0	24.9

**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 2022 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	--	--
	2.50	0.0	1.5	--	--	1.67	0.67

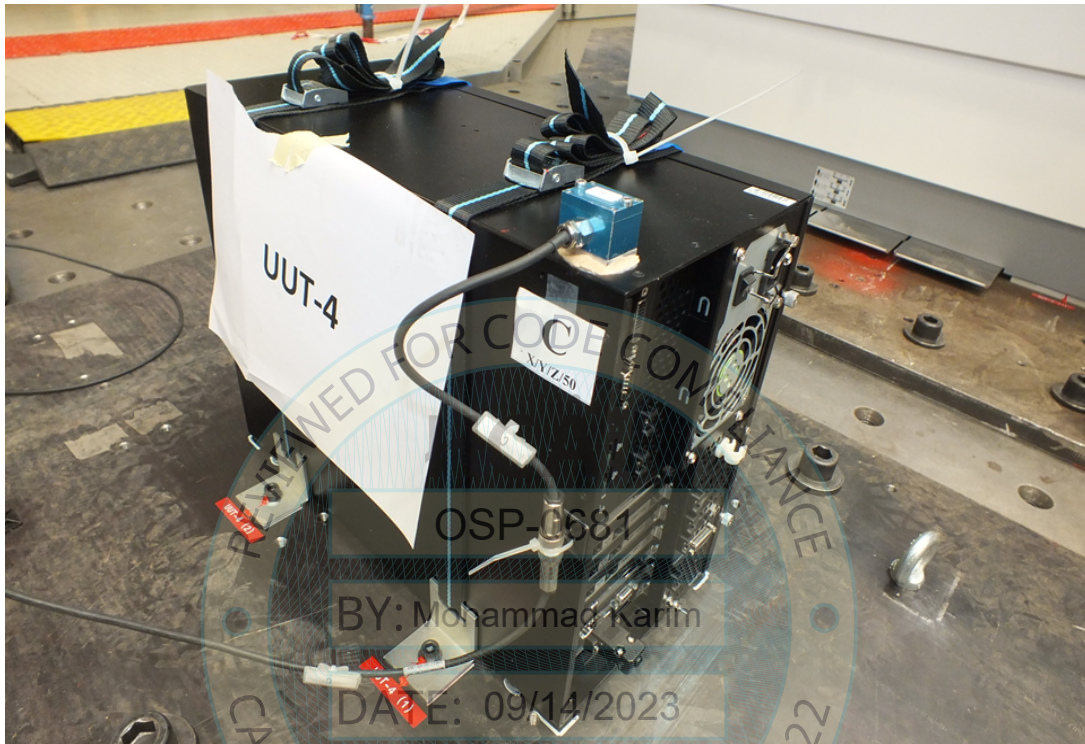
Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

UUT<sub>w</sub>-4

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



**Mounting Details:** Rigid floor mounting using Phillips provided seismic restraint kit 4512-134-74741. Seismic restraint kit includes a hand tightened cam buckle strap looped thru angle brackets on each side of the unit. The angle brackets are attached to the table with individual 3/8 inch grade 8 bolts.



<b>Manufacturer:</b> Philips Medical Systems DMC GmbH	<b>Test Location:</b> IABG mbH, Germany
<b>Component:</b> AWS-2X PC User Interface	<b>Test Date:</b> February 2019
<b>Model Number:</b> 4512-201-11781	<b>Report Number:</b> TAB3-PB-19-020-V1
<b>UUT Function:</b> Computational processing for image system	
<b>UUT Description:</b> PC / Image processing and user interface for X-Ray and Fluoroscopy Systems	

**UUT PROPERTIES**

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
33	8.5	10.9	17.6	> 33	28.1	> 33

**SEISMIC TEST PARAMETERS**

Building Code / Test Criteria	S <sub>DS</sub> (g)	z / h	I <sub>p</sub>	A <sub>AFLX-H</sub> (g)	A <sub>ARIG-H</sub> (g)	A <sub>AFLX-V</sub> (g)	A <sub>ARIG-V</sub> (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.