



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR HCAI SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP-0799

HCAI Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: FUJIFILM Healthcare Americas Corporation

Manufacturer's Technical Representative: Barbara Zurkowski

Mailing Address: 81 Hartwell Ave. Suite 300, Lexington, MA 02421

Telephone: (203) 602-3521

Email: bzurkowski@fujifilm.com

Product Information

Product Name: Fluoroscopy and Radiography Systems

Product Type: NA

Product Model Number: Persona RF PREMIUM+ (8L WTR version)

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

Mounting Description: See Certified Product Tables

Tested Seismic Enhancements: Seismic enhancements made to the test units and/or modifications required to address anomalies during the tests shall be incorporated into the production units.

Applicant Information

Applicant Company Name: EASE LLC

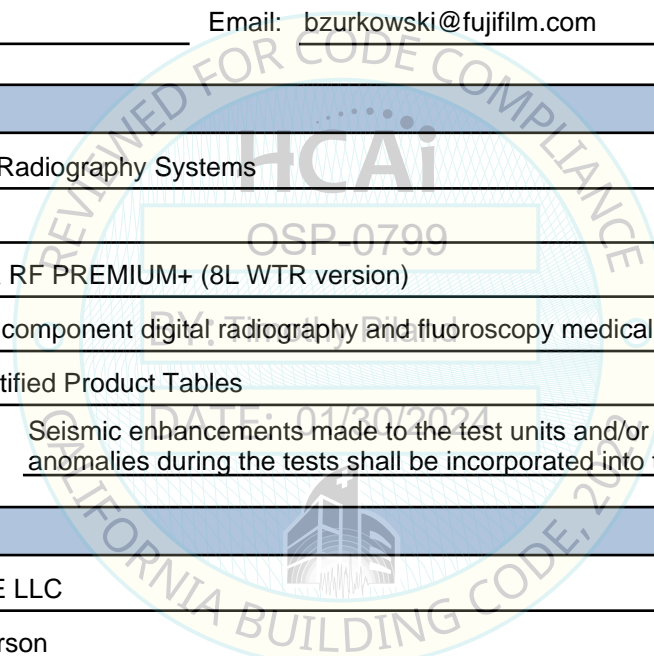
Contact Person: Jonathan Roberson

Mailing Address: 5877 Pine Ave., Suite 210, Chino Hills, CA 91709

Telephone: (909) 606-7622

Email: jon@EASECo.com

Title: Principal Structural Engineer





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

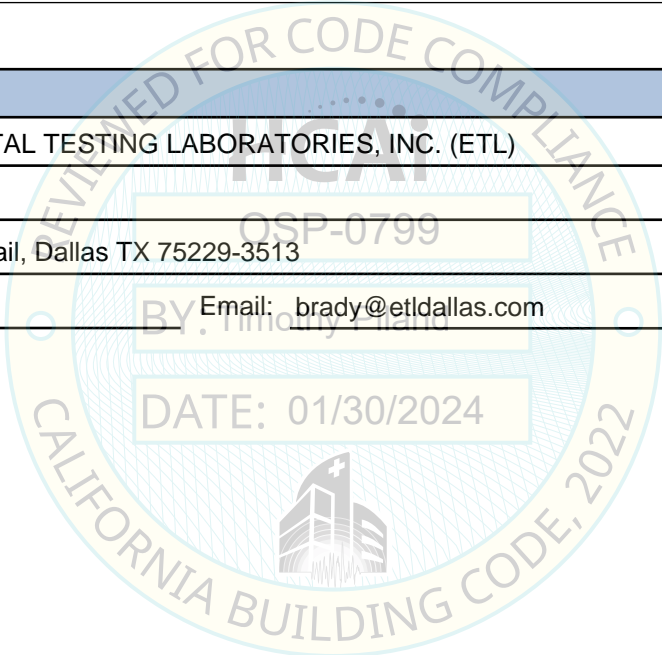
Company Name: EASE LLC
Name: Jonathan Roberson California License Number: S4197
Mailing Address: 5877 Pine Ave., Suite 210, Chino Hills, CA 91709
Telephone: (951) 295-1892 Email: jon@EASECo.com

Certification Method

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

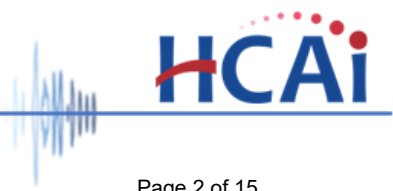
Testing Laboratory

Company Name: ENVIRONMENTAL TESTING LABORATORIES, INC. (ETL)
Contact Person: Brady Richard
Mailing Address: 11034 Indian Trail, Dallas TX 75229-3513
Telephone: (972) 247-9657 Email: brady@etldallas.com



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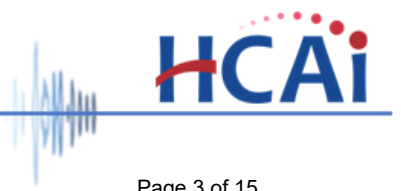
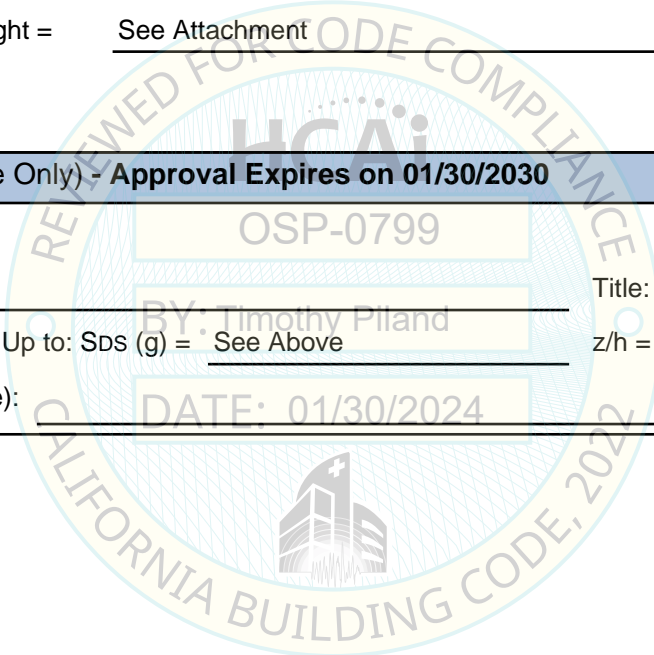
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Seismic Parameters

Design Basis of Equipment or Components (F_p/W_p) =	See Certified Product Tables
SDS (Design spectral response acceleration at short period, g) =	2.0 at z/h=1 & 2.5 at z/h=0
a_p (Amplification factor) =	See Certified Product Tables
R_p (Response modification factor) =	See Certified Product Tables
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 01/30/2030

Date:	1/30/2024	OSP-0799	
Name:	Timothy Piland	BY: Timothy Piland	Title: Senior Structural Engineer
Special Seismic Certification Valid Up to: SDS (g) =	See Above	DATE: 01/30/2024	z/h = See Above
Condition of Approval (if applicable):			



ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

TABLE 1:

System Mfr		Apelem for FUJIFILM										S _{DS} = 2.0 at z/h=1	
System		Persona RF PREMIUM+ (8L WTR version)										S _{DS} = 2.5 at z/h=0	
Component	Fujifilm Part No.	OEM Part No.	Mfr	Dimensions (in.)			Approx Wt. (lb.)	Mount	Basis ^[1]	F _P /W _P	A _P	R _P	Ω ₀
				W	D	H							
FLUOROSCOPY TABLE													
Persona RF PREMIUM+ Table	800053265	Product Code 8L (01) 3760172650485 (20) 06	Apelem	95.43	83.66	106.1	3550	RIGID BASE	UUT 2301-1	2.40 1.13	1	1 ½	2
X-RAY GENERATOR													
MAGNUM IQ 80kW ABS DSS (with 2nd tube output)	Included w/800053265	VZW2558FD822	CPI	20	16	41.5	200	RIGID BASE	UUT 2301-2	1.50 1.13	2 ½	6	2
POWER DISTRIBUTION													
Power Distribution Unit (PDU)	Included w/800053265	Product Code 8D	Apelem	30	12	30	128	WALL	UUT 2301-3	1.44 1.13	1	2 ½	2
480/240 transformer for PDU	Included w/800053265	HS5F5AS	Emerson	14	9	17	118	WALL	UUT 2301-4	1.44 1.13	1	2 ½	2
Power Supply Unit (PSU)	Included w/800050732	07046902	Siemens	22	11	22	104	RIGID BASE	UUT 2301-5	1.44 1.13	1	2 ½	2
WALL STANDS ^[3]													
RAD WS TR CS stationary grid including:	800050730	WS: 10681700 Grid: 08404464	Siemens	30	34	85	518	RIGID BASE	UUT 2301-6	2.40 1.13	1	1 ½	2
FDR D-EVO III CSI 17x17 FPD	16679841	DR-ID 1812 SE	Fujifilm	18.1	18.1	0.6	6						
RAD WS TR CS stationary grid with any of the following image receptors:	800050730	WS: 10681700 Grid: 08404464	Siemens	30	34	85	518	RIGID BASE	INT	2.40 1.13	1	1 ½	2
FDR D-EVO II CSI 17X17 FPD	16477059	DR-IR 1212 SE	Fujifilm	18.1	18.1	0.6	7						
FDR D-EVO II CSI 14X17 FPD	16477023	DR-IR 1211 SE	Fujifilm	18.1	15.1	0.6	6						
FDR D-EVO III CSI 14X17 FPD	16679827	DR-ID 1811 SE	Fujifilm	18.1	15.1	0.6	5.2						
FDR D-EVO III CSI 17x17 FPD	16679841	DR-ID 1812 SE	Fujifilm	18.1	18.1	0.6	6						
RAD WS TL CS stationary grid with any of the following image receptors:	800050731	WS: 10681701 Grid: 08404464	Siemens	30	34	85	518	RIGID BASE	INT	2.40 1.13	1	1 ½	2
FDR D-EVO II CSI 17X17 FPD	16477059	DR-IR 1212 SE	Fujifilm	18.1	18.1	0.6	7						
FDR D-EVO II CSI 14X17 FPD	16477023	DR-IR 1211 SE	Fujifilm	18.1	15.1	0.6	6						
FDR D-EVO III CSI 14X17 FPD	16679827	DR-ID 1811 SE	Fujifilm	18.1	15.1	0.6	5.2						
FDR D-EVO III CSI 17x17 FPD	16679841	DR-ID 1812 SE	Fujifilm	18.1	18.1	0.6	6						

ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

TABLE 1:


System Mfr	Apelem for FUJIFILM										S _{DS} = 2.0 at z/h=1		
System	Persona RF PREMIUM+ (8L WTR version)										S _{DS} = 2.5 at z/h=0		
Component	Fujifilm Part No.	OEM Part No.	Mfr	Dimensions (in.)			Approx Wt. (lb.)	Mount	Basis ^[1]	F _P /W _P	A _P	R _P	Ω ₀
				W	D	H							
RAD WS 04 ACSS Lt Tilt Moving grid including:	800021531	10681653	Siemens	30	36.8	82.9	504	RIGID BASE	UUT 1804-4	2.40 1.13	1	1 ½	2
D-EVO II CSI 17X17 FPD image receptor	16477059	DR-IR 1212SE	Fujifilm	18.11	18.11	0.59	7						
CONSOLE & USER INTERFACE													
ADAM Imaging System	Included w/800053265	Product Code 8K	Apelem	8.7	23	30	94	RIGID BASE	UUT 2301-7	2.40 1.13	1	1 ½	2
Control Console	Included w/800053265	Z8L35909	Apelem	21.3	13	5.6	19	CTA	UUT 2301-8	1.44 1.13	1	2 ½	2
Keyboard	Included w/800053265	K6011U	BY: Timothy Dillard	17.75	6.375	0.75	1	CTA	UUT 2301-9	1.44 1.13	1	2 ½	2
FDX Console ^[4]	800052743	HP Elite SFF G9 1312100	Hewlett Packard	13.3	12.1	3.9	11.5	CTA	UUT 2301-10	1.44 1.13	1	2 ½	2
LCD Monitor 19" w/ Peerless monitor mount	800049107 800053530	MDRC-1219 LCT100	Barco Peerless	16.2	10.0	18.5	10.6	CTA	UUT 2301-11	1.44 1.13	1	2 ½	2
LCD Monitor 23" w/ Peerless monitor mount	Included w/800053265	MS236WT-A LCT100	Eizo Peerless	21.9	6.25	18.375	18.5	CTA	UUT 2301-15	1.44 1.13	1	2 ½	2
Remote Box (E-Stop)	Included w/800053265	Part of Product Code 8D (PDU)	Apelem	10	3.5	5	2.5	WALL	UUT 2301-16	1.44 1.13	1	2 ½	2
MISC													
Wireless Access Point	800050943	DAP-2610	D-Link	6.69	6.69	1.1	0.7	WALL	UUT 2301-12	1.44 1.13	1	2 ½	2
Wireless Access Point	800048987	AP-303: APIN0303	Aruba	5.9	5.9	1.4	0.6	CTA	UUT 2301-13	1.44 1.13	1	2 ½	2
DR-ID 1200PB E Detector power supply [Fujifilm] ^[5]	16507153	DR-ID 1200PB	Fujifilm	8	2.8	10.2	7	WALL	UUT 2301-14	1.44 1.13	1	2 ½	2


ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

TABLE 1:

System Mfr	Apelem for FUJIFILM											S _{DS} = 2.0 at z/h=1	
System	Persona RF PREMIUM+ (8L WTR version)											S _{DS} = 2.5 at z/h=0	
Component	Fujifilm Part No.	OEM Part No.	Mfr	Dimensions (in.)			Approx Wt. (lb.)	Mount	Basis ^[1]	F _P /W _P	A _P	R _P	Ω ₀
				W	D	H							
X-RAY TUBE SUSPENSION													
MTZ Ceiling Stand 3D V ACSS w/ 3m Bridge	-	7042166	Siemens	167.3	119.3	32.7 / 103.6	770	Ceiling	UUT 351302-6	3.60 / 1.50	2 ½	2 ½	2
CEILING STAND 3D V ACSS T Including:	800050732								SAME AS UUT 351302-6	3.60 / 1.50	2 ½	2 ½	2
Ceiling rails		03074502											
Carriage 3D V3m semi		07043578	Siemens	167.3	119.3	32.7 / 103.6	770	CEILING					
Tube Stand 3D V ACSS T		07042042											
SV 150/40/80C-100L X-Ray Tube		04803263											
Collimator AL02 II eL	10092614												
Mount	<p>RIGID BASE (FLOOR) MOUNT: free-standing, base-mounted tower configuration with the component rigidly attached to a supporting structure and no lateral support above the base.</p> <p>WALL MOUNT component fully supported by a building wall structure.</p> <p>CEILING (SUSPENDED): unit is anchored to and suspended from a rigid framing system at or slightly above the ceiling line of the room.</p>												
Notes	<p>1. BASIS:</p> <ul style="list-style-type: none"> • UUT#: Indicates that a test specimen matching these characteristics was tested as part of this testing program. • INT (Interpolated or Extrapolated): indicates a model not specifically tested, by which seismic certification is established through evaluation of testing of similar models in the product line. • SAME Indicates model is physically, mechanically & electrically the same as test specimen. Differences are limited to color, software, and/or identification number <p>2. Patient Table weight excludes simulated patient load present during testing.</p> <p>3. Wallstands require use of Fujifilm seismic kit, SMS TR/TL CS Seismic Spring Kit Part No. 800053540.</p> <p>4. FDX Console requires use of Fujifilm seismic kit, FDX Console Seismic Kit Part No. 800053539.</p> <p>5. DR-ID 1200PB E Detector power supply requires use of Fujifilm seismic kit, Power Box Mounting Bracket Part No. 800053545.</p> <p>6. Fujifilm Part No. is the identification number assigned by Fujifilm to the indicated OEM Part No. Fujifilm Part No. may not appear on component.</p> <p>7. <i>Gray italic formatting indicates unit is not a component of system and used as basis for seismic qualification only.</i></p>												

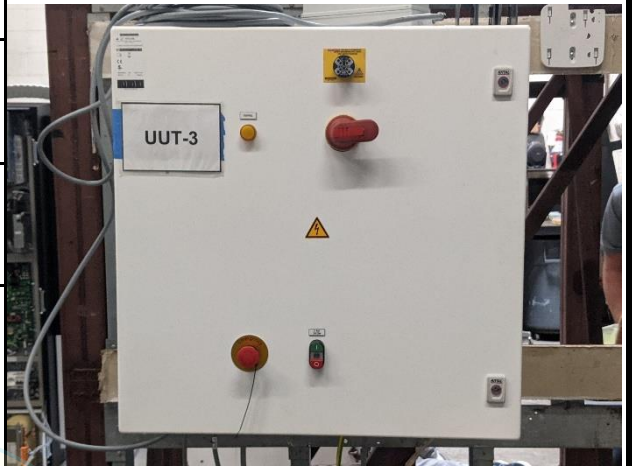
ATTACHMENT 2: TEST SPECIMEN SUMMARY

UUT 2301-1 Persona RF Premium+ Table						
MANUFACTURER: Apelem						
IDENTIFICATION: Part No.: Product Code 8L UDI (01) 3760172650485 (20) 06 Part No.: 800053265 (FUJIFILM – No label)						
DESCRIPTION: Component of Persona RF Premium + RX SV150/40/80HC-100L, 800kHU X-Ray Tube [Siemens] UUT-1, UUT-2 & UUT-7 all mounted together on Apelem Seismic mounting plate. Weight excludes 468lb patient load present in test.						
MOUNTING: Rigid Base (Floor) mounted as part of complete assembly including Table, X-Ray Generator and Adam Cabinet on Apelem distribution plate w/ (7) – ½” dia Allen Head cap screws w/ washers. (Torque – 40 ft-lb). Table mounted to distribution plate w/ (10)-M16 socket head bolts.						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Longit. (X) - Axis	Transv. (Y) - Axis	Vert (Z) - Axis
95.43	83.66	106.1	3550	3.19	3.52	3.62
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						
S _{Ds} (G)	z/h	I _p	A _{FLEX-H} (G)	A _{RIG-H} (G)	A _{FLEX-V} (G)	A _{RIG-V} (G)
2.0 2.5	1 0	1.5	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

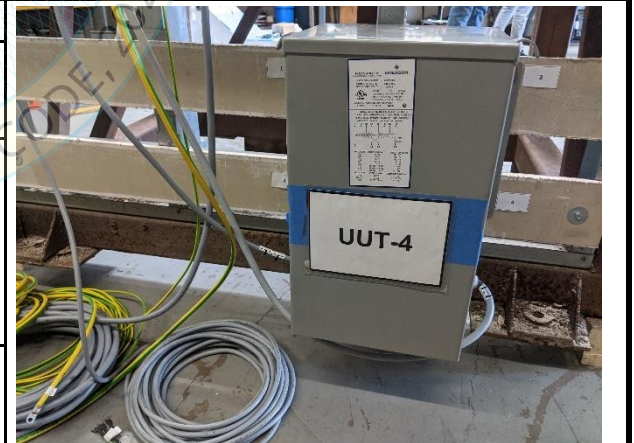
UUT 2301-2 MAGNUM IQ 80kW ABS DSS						
MANUFACTURER: Communications & Power Industries Canada, Inc. (CPI)						
IDENTIFICATION: Part No.: VZW2558FD822 (OEM) Serial No.: AMQ4691A23 Part No.: 800053265 (FUJIFILM – No label)						
DESCRIPTION: Component of Persona RF PREMIUM+ system MAGNUM IQ 80kW ABS DSS X-Ray Generator with 2nd tube output. UUT-1, UUT-2 and UUT-7 all mounted on Apelem Seismic Mounting plate.						
MOUNTING: Rigid Base (Floor) mounted as part of complete assembly including Table, X-Ray Generator and Adam Cabinet on Apelem distribution plate w/ (7) – ½” DIA GR 5 Allen Head cap screws w/ washers. (Torque – 40 ft-lb). Generator mounted to distribution plate w/ (6)-M8 socket head bolts.						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	S/S (X) - Axis	F/B (Y) - Axis	Vert (Z) - Axis
20	16	41.5	200	6.66	3.81	>50
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						
S _{Ds} (G)	z/h	I _p	A _{FLEX-H} (G)	A _{RIG-H} (G)	A _{FLEX-V} (G)	A _{RIG-V} (G)
2.0 2.5	1 0	1.5	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

ATTACHMENT 2: TEST SPECIMEN SUMMARY


UUT 2301-3 Power Distribution Unit (PDU)						
MANUFACTURER: Apelem						
IDENTIFICATION: Part No.: Z6F35512 (Apelem – Not on label) REF: Product Code 8D Serial No.: OF 102-2200150/07 Part No.: Included w/ 800053265 (FUJIFILM – No label)						
DESCRIPTION: Component of Persona RF PREMIUM+ system Power Distribution Unit REF: Product Code 8D (Photo)						
MOUNTING: <u>Wall mounted</u> using (4) – ¼” HWH TEK screws w/ 1.25” OD x 9/32” ID x 0.07” fender washers to 16ga steel backing plate.						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	F/B (X) - Axis	S/S (Y) - Axis	Vert (Z) - Axis
30.0	12.0	30.0	128	N/A	N/A	N/A
S_{DS} (G)	z/h	I_P	A_{FLEX-H} (G)	A_{RIG-H} (G)	A_{FLEX-V} (G)	A_{RIG-V} (G)
2.0 2.5	1 0	1.5	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						




UUT 2301-4 480/240 transformer for PDU						
MANUFACTURER: Emerson						
IDENTIFICATION: CAT No.: HS5F5AS (EMERSON) Serial No.: not found Part No.: Included w/ 800053265 (FUJIFILM – No label)						
DESCRIPTION: Component of Persona RF PREMIUM+ system EMERSON HEVI-DUTY 5KVA General Purpose Transformer 60 HZ 1 PH Primary Volts: 240 x 480 Secondary Volts: 120/240						
MOUNTING: <u>Wall mounted</u> using (4) – ¼” HWH TEK screws w/ 1.25” OD x 9/32” ID x 0.07” fender washers to 16ga steel backing plate.						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	F/B (X) - Axis	S/S (Y) - Axis	Vert (Z) - Axis
14.0”	9.0”	17.0”	117.5	N/A	N/A	N/A
S_{DS} (G)	z/h	I_P	A_{FLEX-H} (G)	A_{RIG-H} (G)	A_{FLEX-V} (G)	A_{RIG-V} (G)
2.0 2.5	1 0	1.5	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						





ATTACHMENT 2: TEST SPECIMEN SUMMARY

UUT 2301-5 Power Supply Unit (PSU)						
MANUFACTURER: Siemens Healthcare GmbH						
IDENTIFICATION: Part No.: 07046902 (OEM) Serial No.: 3686 (Label Inside Cover) Part No.: Included w/ 800050732 (FUJIFILM – No label)						
DESCRIPTION: Component of Persona RF PREMIUM+ system Seismic Mounting Brackets by Apelem.						
MOUNTING: Rigid Base (Floor) mounted using (4) – 3/8" diameter SAE J429 Grade 5 bolts to aluminum interface plate. (Torque = 25 ft-lb)						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	S/S (X) - Axis	F/B (Y) - Axis	Vert (Z) - Axis
22.0	11.5	22.0	104	27.1	23.0	>50
S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0 2.5	1 0	1.5	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

UUT 2301-6 RAD WS TR CS (Wallstand)						
MANUFACTURER: Siemens Healthcare GmbH & Fujifilm Corporation						
IDENTIFICATION: <u>Wall stand</u> Model No.: 10681700 (Siemens) Serial No.: 3015 Grid Part No.: 08404464 <u>Image Receptor</u> Part No.: 16679841 (FUJIFILM – No label)						
DESCRIPTION: Component of Persona RF PREMIUM+ system RAD WS TR CS Wallstand, Including: Stationary grid, FUJIFILM D-EVO III CSI 17x17 removable detector [FUJIFILM DR-ID 1812 SE] Requires use of Fujifilm seismic kit, SMS TR/TL CS Seismic Spring Kit Part No. 800053540.						
MOUNTING: Rigid Base (Floor) mounted using (4) – 3/4" diameter SAE J429 Grade 8 bolts positioned in center of slots to aluminum interface plate (Torque = 110 ft-lb)						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	S/S (X) - Axis	F/B (Y) - Axis	Vert (Z) - Axis
30.0	34.0	85.0	518 + 6(detector)	8.9	11.8	9.8
S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0 2.5	1 0	1.5	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

ATTACHMENT 2: TEST SPECIMEN SUMMARY

UUT 2301-7 ADAM Imaging System						
MANUFACTURER: Apelem						
IDENTIFICATION: Product Code 8K (Apelem) LOT No.: Z8K35082_001-1 Part No.: Included w/ 800053265 (FUJIFILM – No label)						
DESCRIPTION: Component of Persona RF Premium + ADAM Imaging System cabinet includes: <ul style="list-style-type: none"> Apelem Acquisition Workstation PC P/N A8K35012 Eaton 750VA UPS Model 55C750i P/N: 9210-3364-01P UUT-1, UUT-2 and UUT-7 all mounted on Apelem Seismic Mounting plate.						
MOUNTING: Rigid Base (Floor) mounted as part of complete assembly including Table, X-Ray Generator and Adam Cabinet on Apelem distribution plate w/ (7) – ½” DIA GR 5 Allen Head cap screws w/ washers. (Torque – 40 ft-lb). ADAM Cabinet mounted to distribution plate w/ (4)-M8 socket head bolts.						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	F/B (X) - Axis	S/S (Y) - Axis	Vert (Z) - Axis
8.7	23.0	30.0	94	33.0	11.7	>50
S _{Ds} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0 2.5	1 0	1.5	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

UUT 2301-8 Control Console						
MANUFACTURER: Apelem						
IDENTIFICATION: Part No.: Z8L35909 (OEM) Serial No.: Z8L35909-003-1 Part No.: Included w/ 800053265 (FUJIFILM – No label)						
DESCRIPTION: Component of Persona RF PREMIUM+ system System control console						
MOUNTING: Countertop Anchored (CTA) using (4) – #10x1” pan head wood screw w/ ¾” thick plywood plate.						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	F/B (X) - Axis	S/S (Y) - Axis	Vert (Z) - Axis
21.3	13.0	5.6	19 w/ brackets	16.1	24.6	25.1
S _{Ds} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0 2.5	1 0	1.5	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

ATTACHMENT 2: TEST SPECIMEN SUMMARY

ATTACHMENT PAGE | 5 OF 9

UUT 2301-9 Keyboard						
MANUFACTURER: Apelem						
IDENTIFICATION: Part No.: Part No. K6011U (225222) Serial No.: None Part No.: Included w/ 800053265 (FUJIFILM – No label)						
DESCRIPTION: Component of Persona RF PREMIUM+ system						
MOUNTING: COUNTERTOP ANCHORED (CTA) using using (1) – #10x1" pan head wood screw w/ 3/4" thick plywood plate. (Each bracket. 4 total)						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	F/B (X) - Axis	S/S (Y) - Axis	Vert (Z) - Axis
17.75	6.375	0.75	1 w/ brackets	39.30	>50	>50
S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0 2.5	1 0	1.5	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						





UUT 2301-10 FDX Console						
MANUFACTURER: Hewlett Packard						
IDENTIFICATION: Product No. 76C04PP#ABA (HP) Serial No.: MXL2415BYG Model No.: 800052743 (Fujifilm) – No Label						
DESCRIPTION: Component of Persona RF PREMIUM+ system Application workstation for general radiography operating on standard 120V outlet. HP Elite SFF G9 i312100 Desktop PC 8GB/1TB require use of Fujifilm seismic kit, FDX Console Seismic Kit Part No. 800053539						
MOUNTING: Countertop Anchored (CTA) using: (2) - 1.5"x1.5" x 3/32" x 10" steel FUJIFILM mounting brackets. Each bracket secured with: <ul style="list-style-type: none"> 1"W x 9" L 3M SJ3550 Dual Lock reclosable fastener to cabinet. (2) - #8 x 1.25" coarse auger thread construction screws to 3/4" plywood. 						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	F/B (X) - Axis	S/S (Y) - Axis	Vert (Z) - Axis
13.3	12.1	3.9	11.5 w/ brackets	34.8	46.1	34.1
S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0 2.5	1 0	1.5	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						




ATTACHMENT 2: TEST SPECIMEN SUMMARY


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UUT 2301-11 19" LCD Monitor						
MANUFACTURER: Barco						
IDENTIFICATION: Part No.: MDRC-1219-TS (OEM) Serial No.: 220706 Part No.: 80049107 (Fujifilm) – No Label						
DESCRIPTION: Component of Persona RF PREMIUM+ system 19" Color LCD Monitor Peerless-AV model LCT100S desktop monitor mount						
MOUNTING: <u>Countertop Anchored (CTA)</u> using Peerless-AV model LCT100S desktop monitor mount w/ M10 threaded stud, Peerless grommet and hex nut.						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	S/S (X) - Axis	F/B (Y) - Axis	Vert (Z) - Axis
16.2	10	18.5	8.6 w/o Mount 10.6 w/ Mount	11.8	13.4	12.5
OSP-0799						
S _{DS} (G)	z/h	I _p	AFLX-H (G)	ARIG-H (G)	AFLX-V (G)	ARIG-V (G)
2.0 2.5	1 0	1.5	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						


UUT 2301-12 Wireless Access Point (D-Link)						
MANUFACTURER: D-Link						
IDENTIFICATION: Part No.: BAP2610LNA...A1 (OEM) Serial No.: SYT122000056 Part No.: 80050943 (Fujifilm) – No Label						
DESCRIPTION: Component of Persona RF Premium + D-Link DAP-2610 Wireless Access Point						
MOUNTING: <u>WALL MOUNTED</u> using D-Link mounting bracket w/ (2) - #8 x 1.625" self-drilling lath screws through 5/8" gypsum wallboard to 16 ga steel backing plate.						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	F/B (X) - Axis	S/S (Y) - Axis	Vert (Z) - Axis
6.7	6.7	1.1	0.7	10.9	28.8	>50
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						
S _{DS} (G)	z/h	I _p	AFLX-H (G)	ARIG-H (G)	AFLX-V (G)	ARIG-V (G)
2.0 2.5	1 0	1.5	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						


ATTACHMENT 2: TEST SPECIMEN SUMMARY

UUT 2301-13 Wireless Access Point (Aruba)						
MANUFACTURER: Aruba						
IDENTIFICATION: Part No.: APIN0303 (OEM) Serial No.: PHLVK9T0LF Part No. 800048987 (Fujifilm) – No Label						
DESCRIPTION: Component of Persona RF Premium + Aruba AP-303-US						
MOUNTING: Countertop Anchored (CTA) using (2) lines of 1" W x 2" L 3M SJ3550 CF Dual Lock tape separated 3" center-to-center.						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	F/B (X) - Axis	S/S (Y) - Axis	Vert (Z) - Axis
5.9	5.9	1.4	0.6	21.5	46.1	33.3
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						
S _{DS} (G)	z/h	I _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0 2.5	1 0	1.5	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						


UUT 2301-14 DR-ID 1200PB						
MANUFACTURER: FUJIFILM Corporation.						
IDENTIFICATION: Model No.: DR-ID 1200PB Serial No.: 26728688 Part No. 16507153 (Fujifilm) – No Label						
DESCRIPTION: Component of Persona RF Premium + DR-ID 1200PB detector power supply. Requires use of Fujifilm seismic kit, Power Box Mounting Bracket Part No. 800053545						
MOUNTING: WALL MOUNTED using: (2) - 1.5"x1.5" x 3/32" x 10" steel FUJIFILM mounting brackets (Part No. 800053545). Each bracket secured with: <ul style="list-style-type: none"> (2) – 1/4" dia. HWH TEK screws through 5/8" gypsum wallboard to 16 ga steel backing plate. (2) – #8 pan head screws to case. 						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	F/B (X) - Axis	S/S (Y) - Axis	Vert (Z) - Axis
8	2.8	10.2	7	N/A	N/A	N/A
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						
S _{DS} (G)	z/h	I _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0 2.5	1 0	1.5	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						


ATTACHMENT 2: TEST SPECIMEN SUMMARY

UUT 2301-15 23" LCD Touch Monitor						
MANUFACTURER: Eizo						
IDENTIFICATION: Model No.: OFTD2515 7SQ (Eizo) Serial No.: 21009013 LB Part No. Included w/ 800053265 (Fujifilm) – No Label						
DESCRIPTION: Component of Persona RF Premium + RadiForce MS236WT-A 23" Touch Panel Color LCD Monitor Peerless Monitor Mount (Model LCT1005)						
MOUNTING: <u>Countertop Anchored (CTA)</u> using Peerless-AV model LCT100S desktop monitor mount w/ M10 threaded stud, Peerless grommet and hex nut.						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	S/S (X) - Axis	F/B (Y) - Axis	Vert (Z) - Axis
21.9	6.25	18.375	16.5 w/o Mount 18.5 w/ Mount	12.0	8.7	24.4
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						
S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0 2.5	1 0	1.5	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

UUT 2301-16 Remote Box						
MANUFACTURER: Apelem						
IDENTIFICATION: NO LABELS (Part of UUT-3: PDU)						
DESCRIPTION: Component of Persona RF Premium + Remote Power Switch & Emergency Shut Off for System						
MOUNTING: WALL MOUNTED using (4) - #8 x 1" pan head wood screw through 5/8" gypsum wallboard to 16 ga steel backing plate.						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	F/B (X) - Axis	S/S (Y) - Axis	Vert (Z) - Axis
3.2	4.5	9.8	2.5	N/A	N/A	N/A
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						
S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0 2.5	1 0	1.5	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

ATTACHMENT 2: TEST SPECIMEN SUMMARY

UUT 1804-4 RAD WS 04 ACSS Lt Tilt Moving Grid						
MANUFACTURER: Siemens Healthcare GmbH & Fujifilm Corporation						
IDENTIFICATION: 10681653 (Wall Stand) / DR-ID 1212SE (Detector)						
DESCRIPTION: Component of the FDR D-EVO Suite II System. RAD WS 04 ACSS Lt Tilt Moving Grid. Wall stand for general radiographic. Operates on 24VDC provided by the generator's PSU. Removable, portable detector. Tethered within bucky, wireless outside. Detector: D-EVO II CSI 17X17 FPD DR-IR 1212 Moving (Reciprocating) Grid / Left-hand cassette loading. Model 10273591, Serial No: 2064						
MOUNTING: Rigid Base (Floor) Mounted using (4) – 0.75" diameter SAE J429 Grade 8 bolts. (Torque = 110 ft-lb)						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
30	36.8	82.9	504 + 7 Detector	7.7	12.8	8.8
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						
S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0 2.5	1 0	1.5	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

UUT351302-6 3M Transverse Bridge and X-Ray Tube Stand						
MANUFACTURER: Siemens Healthcare						
IDENTIFICATION: See below						
3D V Ceiling Stand ACSS T 3m: 7042166 Carriage 3D V 3m semi 7043578 Tube stand 3D V ACSS T 7042042 Collimator AL02 II eL 10092614 Optitop 150/40/80HC-100 3345209						
MOUNTING: Ceiling Suspended using: (2) – M10 bolts @ (5) locations along each longitudinal rail to Unistrut P1000 supports spaced 26: o.c.. (20 bolts total)						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Longit -Axis	Transv-Axis	Vert-Axis
167.3	119.3	32.7 / 103.6	632 + 118 Rails	N/A	N/A	N/A
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						
S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0 2.6	1.0 0.0	1.5	3.20	2.40	1.74	0.70
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						