

# OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR OSHPD SPECIAL SEISMIC	OFFICE USE ONLY
CERTIFICATION PREAPPROVAL (OSP)	APPLICATION #: OSP-0675
OSHPD Special Seismic Certification Preapproval (OSP)	
Type: X New Renewal	
Manufacturer Information	
Manufacturer: Carestream Healthcare, Inc.	
Manufacturer's Technical Representative: Christopher Kralles	
Mailing Address: 1049 Ridge Road West, Rochester, NY 14615	
Telephone: On File Email: On File	
FORCODECOL	
Product Information	
Product Name: Fluoroscopy and Radiography Systems	TA.
Product Type: NA OSP-0675	C.
Product Model Number: DRX-Excel Plus	
General Description: Multiple component digital radiography and fluoroscopy r	medi <mark>cal d</mark> iagnostic imaging system.
Mounting Description: See Certified Product Tables	
Tested Seismic Enhancements: Seismic enhancements made to the test units anomalies during the tests shall be incorporate	
Applicant Information	2º
Applicant Company Name: EASE	
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	

"Access to Safe. Quality Healthcare Environments that Meet California's Diverse and Dynamic Needs"

STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY

OSP-0675

OSHPD



## OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

California Licensed Structural Engineer R	esponsible for the Engineering and Test Report(s)
Company Name: EASE	
Name: Jonathan Roberson	California License Number: S4197
Mailing Address: 5877 Pine Ave., Suite 210, Chin	no Hills, CA 91709
Telephone: (951) 295-1892	_ Email: jon@EASECo.com
Certification Method	
GR-63-Core X ICC-ES AC156	☐ IEEE 344 ☐ IEEE 693 ☐ NEBS 3
Other (Please Specify):	
	EDRCODECO
Testing Laboratory	OPPOPPOP
Company Name: ENVIRONMENTAL TESTING I	LABORATORIES, INC. (ETL)
Contact Person: Brady Richard	OSP 0675
Mailing Address: 11034 Indian Trail, Dallas TX 7	5229-3513
Telephone: (972) 247-9657	Email: brady@etIdallas.com
	DATE: 07/15/2021
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	RNIA BUILDING CODE. 200
	BUILDING

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### OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

Seismic Parameters			
Design Basis of Equipment or Component	ts (Fp/Wp) = See Attachment		
SDS (Design spectral response acc	eleration at short period, g) = See Atta	achment	
ap (Amplification factor) =	See Attachment		
$R_P$ (Response modification factor) =	= See Attachment		
$\Omega_0$ (System overstrength factor) =	2.0		
lp (Importance factor) =	1.5		
z/h (Height ratio factor) =	1 and 0		
Natural frequencies (Hz) =	See Attachment		
Overall dimensions and weight =	See Attachment CODE		
	EDFOR		
	UN OCHDD		
OSHPD Approval (For Office Use Or	(y) - Approval Expires on 12/31/2	0252	
Date: 7/15/2021	OSP-0675	m	
Name: William Staehlin		Title:	Senior Structural Engineer
Special Seismic Certification Valid Up to:	SDS (g) = See Above	z/h =	See Above
Condition of Approval (if applicable):	DATE: 07/15/2021		
		1/2/	
	THE RANG COL	20.	
	ORNIA BUILDING COL	SE.	
	A BUILDING		

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#### **ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS**

**Carestream Health, Inc.** 

ATTACHMENT PAGE | 1 OF 2

#### TABLE 1:

	m Health, Inc.								$S_{DS} = 2.0$		
System DRX-Exce	el Plus								S <sub>DS</sub> = 2.5	at z/n =	<u> </u>
	IDENTIFICATION	APPROX	. DIMENSI	ONS (IN.)	APPROX. WT.						
COMPONENT	NUMBER <sup>[4] [5]</sup>	W	D	Н	(LB.)	MOUNT	BASIS <sup>[1]</sup>	F <sub>P</sub> /W <sub>P</sub>	aP	RP	Ω0
PATIENT TABLE						1			1		. <u> </u>
R/F Table (Apelem) [2]	Z6F35541	114.4	93.1	R111.3	E 4046 <sup>[3]</sup>	Rigid Base	UUT-2001-1	2.40 1.13	1	1 ½	2
CEILING SUSPENSION			EV		AN THE						
Ceiling Suspension (w/ Dual Mo (Mavig), including:	nitor & Lead Shield)	Le le		)SH	PD	Y,					
Carriage Track	< TS10U05 >					6					
Column / Carriage	< TST20U31-MA >	A	(	DSP-0	675	1 m					
Dual Monitor Support	< GD42U20 >		40.0					3.60	0.1/	0.1/	
Lead Shield	< OT40B03 >	157.48	13.2	83.5	192	Ceiling	UUT-2001-6	1.50	2 1⁄2	2 1⁄2	2
Extension Springarm 1	< OT50U010 >		BY: W	illiam	Staehlin						
Extension Springarm 2	< OT60U030 >										
19" LCD Monitors (WIDE Corporation)	< MX10P >		DATE:	07/15/	2021						
CONSOLES		CN				2					
Detector Cabinet (Apelem) [2]	Z5Z35156	22.0	24.7	32.0	237	Rigid Base	UUT-2001-5	1.50 1.13	2 ½	6	2
MPU Computer (Thales) [2]	63105896	8.3	22.9	18.3	44.50	Rigid Base	UUT-2001-8	1.44 1.13	1	2 1⁄2	2
POWER DISTRIBUTION				BUILI	DING						
PDU (Apelem)	Z6F35516	30.0	12.0	30.0	129	Wall	UUT-2001-2	1.50 1.13	2 ½	6	2
480/240 Transformer for PDU (Emerson)	HS5F5AS	10.0	9.1	16.9	115	Wall	UUT-2001-3	1.50 1.13	2 ½	6	2
Magnum 80 Generator (Apelem / CPI) [2]	Z6F35769	20.5	16.5	43.5	219	Rigid Base	UUT-2001-4	1.50 1.13	2 ½	6	2
USER INTERFACE											
Control Console (Apelem) [2]	Z7E35094	21.3	12.8	5.5	18.0	СТА	UUT-2001-7	1.44 1.13	1	2 ½	2
Keyboard (Logitech) [2]	820-007639	17.75	6.25	0.90	1.0	СТА	UUT-2001-9	1.44 1.13	1	2 1⁄2	2

Table continued next page



#### ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

**Carestream Health, Inc.** 

ATTACHMENT PAGE | 2 OF 2

#### TABLE 1:

System Manufacture	er Carestrear	n Health, Inc.								S <sub>DS</sub> = 2.	0 at z/h =	1
System	DRX-Exce	l Plus								S <sub>DS</sub> = 2.	5 at z/h =	0
		IDENTIFICATION	APPROX	. DIMENSI	ONS (IN.)	APPROX. WT.						
COMPONENT		NUMBER <sup>[4] [5]</sup>	W	D	н	(LB.)	MOUNT	BASIS <sup>[1]</sup>	F <sub>P</sub> /W <sub>P</sub>	aP	R <sub>P</sub>	Ω0
19" LCD Monitor ( Corporation)	WIDE	< MX10P >	17.25	6.25	14.25	10	СТА	UUT-2001-10	1.44 1.13	1	2 ½	2
with Desk Mo	ount (Peerless)	LCT100S		FO	KUU	PE COL			1.13			
23" LCD Monitor (	(Eizo)	< FlexScan EV2450 >	21.25	6.75	12.5	7.5	СТА	UUT-2001-11	1.44	1	0.1/	2
with Desk Mo	ount (Peerless)	LCT100S	21.25	0.75	12.0	7.5	CIA	001-2001-11	1.13		2 1⁄2	2
	<u>WALL</u> : com <u>CEILING:</u> u	<u>itertop, Anchored):</u> unit is a nponent fully supported by a unit is anchored to and susp	a building w	all structure	system at	the ceiling line of						
Notes	<ol> <li>Requi</li> <li>Patier</li> <li>#####</li> </ol>	S: T#: Indicates that a test spe ires use of Carestream DR. nt table weight does not inc ## represents a part numbe ### > represents a model i	X-Excel Plu lude 468 pa er (P/N) as t	ching these s System S atient weigh he identifica	characteri eismic Kit, t present c ation numb	P/N: AJ6928 luring test. er for qualified co	mponent.					





## **EQUIPMENT ANCHORAGE** & SEISMIC ENGINEERING Carestream Health, Inc.

#### ATTACHMENT 2: TEST SPECIMEN SUMMARY

ATTACHMENT PAGE | 1 OF 6

Seria Description: Comp Unit t capac All me and in P/N: . *Patie Mounting: Rigid Grade	No: Z6F35541 I No.: M196F0W ponent of Carestr cested in configura city. odifications made nstalled as part of AJ6928 ent Load of 466 II <u>Base (Floor) mo</u> e 5 Allen Head C nensions [in] Depth 93.1	ream DRX-Excel Plu ation offering least s e during testing will l of DRX-Excel Plus S b not included in we <u>unted</u> using (7) – 1/2 cap Screws w/ Stand Height 111.3	seismic withstand be collected within ystem Seismic Kit ight 2″ dia. SAE J429	Front - Axis 2.63	t Resonant Frequer Side - Axis 2.71	ncy [Hz] Vert - Axis 3.46 Code: 2019 CBC
Description:       Comp         Description:       Comp         Unit t       capace         All meand in       P/N:         *Patie       *Patie         Mounting:       Rigid         Width       114.4         ICC-ES AC156 Shake Table         S <sub>DS</sub> [G]       2.0         2.0       2.5	I No.: M196F0W ponent of Carestr ested in configura city. odifications made nstalled as part of AJ6928 ent Load of 466 II <u>Base (Floor) mo</u> e 5 Allen Head C nensions [in] Depth 93.1 e Test Paramete z/h	ream DRX-Excel Plu ation offering least s e during testing will l of DRX-Excel Plus S b not included in we punted using (7) – 1/. cap Screws w/ Stand Height 111.3	seismic withstand be collected within system Seismic Kit sight 2" dia. SAE J429 dard Washers RCODEC Weight [lb] 4046*	Front - Axis 2.63	Side - Axis	Vert - Axis 3.46
Unit t         Capacity         All mand in         and in         P/N:         *Patie         Mounting:         Rigid         Gradue         Width         114.4         ICC-ES AC156 Shake Table         S <sub>DS</sub> [G]         2.0         2.5	ested in configurations made nstalled as part of AJ6928 ent Load of 466 ll Base (Floor) mo e 5 Allen Head C nensions [in] Depth 93.1 e Test Paramete z/h	ation offering least s e during testing will I of DRX-Excel Plus S b not included in we <u>unted</u> using (7) – 1/. ap Screws w/ Stand Height 111.3	seismic withstand be collected within system Seismic Kit sight 2" dia. SAE J429 dard Washers RCODEC Weight [lb] 4046*	Front - Axis 2.63	Side - Axis	Vert - Axis 3.46
All mandring All mandring P/N:	city. odifications made nstalled as part of AJ6928 ent Load of 466 II <u>Base (Floor) mo</u> e 5 Allen Head C nensions [in] Depth 93.1 e Test Paramete z/h	e during testing will I of DRX-Excel Plus S b not included in we <u>unted</u> using (7) – 1/2 cap Screws w/ Stand Height 111.3	be collected within system Seismic Kit light 2" dia. SAE J429 dard Washers RCODE Weight [lb] 4046*	Front - Axis 2.63	Side - Axis	Vert - Axis 3.46
and ii P/N: *Patie Mounting: Rigid Grade Vidth 114.4 ICC-ES AC156 Shake Table S <sub>DS</sub> [G] 2.0 2.5	nstalled as part o AJ6928 ent Load of 466 II <u>Base (Floor) mo</u> e 5 Allen Head C nensions [in] Depth 93.1 e Test Paramete z/h	of DRX-Excel Plus S b not included in we bunted using (7) – 1/. cap Screws w/ Stance Height 111.3	ight 2" dia. SAE J429 dard Washers RCODE Weight [lb] 4046*	Front - Axis 2.63	Side - Axis	Vert - Axis 3.46
Mounting:     Rigid Gradu       Width     Din       114.4     ICC-ES AC156 Shake Table       S <sub>DS</sub> [G]     2.0       2.5     2.5	Base (Floor) mo e 5 Allen Head C nensions [in] Depth 93.1 e Test Paramete z/h	unted using (7) – 1/. cap Screws w/ Stand Height 111.3	2" dia. SAE J429 dard Washers RCODE Weight [lb] 4046*	Front - Axis 2.63	Side - Axis	Vert - Axis 3.46
Width         Din           114.4            ICC-ES AC156 Shake Table            SDS [G]         2.0           2.5	e 5 Allen Head C nensions [in] Depth 93.1 e Test Paramete z/h	Cap Screws w/ Stand Height 111.3	dard Washers	Front - Axis 2.63	Side - Axis	Vert - Axis 3.46
Width         Idea           114.4         Idea           ICC-ES AC156 Shake Table         Idea           SDS [G]         Idea           2.0         2.5	Depth 93.1 e Test Paramete z/h	Height 111.3	Weight [lb] 4046*	Front - Axis 2.63	Side - Axis	Vert - Axis 3.46
Width         Idea           114.4         Idea           ICC-ES AC156 Shake Table         Idea           SDS [G]         Idea           2.0         2.5	Depth 93.1 e Test Paramete z/h	111.3 ers	4046*	Front - Axis 2.63	Side - Axis	Vert - Axis 3.46
114.4           ICC-ES AC156 Shake Table           S <sub>DS</sub> [G]           2.0           2.5	93.1 e Test Paramete z/h	111.3 ers	4046*	2.63		3.46
ICC-ES AC156 Shake Table S <sub>DS</sub> [G] 2.0 2.5	e Test Paramete z/h	ers	OSP-0675	- Ch	2.71	
S <sub>DS</sub> [G] 2.0 2.5	z/h	~ /	DSP-0675 Aflixhi [G]	- A		Code: 2019 CBC
2.0 2.5		-I <sub>P</sub>	A <sub>FLX-H</sub> [G]			
2.5	1			A <sub>RIG-H</sub> [G]	A <sub>FLX-V</sub> [G]	A <sub>RIG-V</sub> [G]
Unit satisfied AC156 require	0	<sup>1</sup> .5 <sub>Y:</sub> Wi	illiam <sup>3.2</sup> 9taeh	1 in <sup>2.40</sup>	1.68	0.68
UUT-2001-2 PDL		DATE			544	
Manufacturer: Apele		Y				
	No: Z6F35516 I No.: V13112-10					•
Description: Comp	ponent of Carestr	ream DRX-Excel Plu	us System		0	-
Inclue	des PDU Switch	Box		Ŕ	A	
Mounting: <u>Wall</u> 1/4" (	<u>mounted</u> using (4 D.D. Fender Was	4) – 1/4" Teks Screw her to backing plate	vs w/ ¼" THK x 1-			. 1
Din	nensions [in]			Lowes	t Resonant Frequer	ncy [Hz]
Width	Depth	Height	Weight [lb]	Front - Axis	Side - Axis	Vert - Axis
30.0	12.0	30.0	129	16.04	10.55	13.71
ICC-ES AC156 Shake Tabl	e Test Paramete	ers				Code: 2019 CBC
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]
2.0 2.5	1 0	1.5	3.20	2.40	1.68	0.68



# **Carestream Health, Inc.**

### ATTACHMENT 2: TEST SPECIMEN SUMMARY

ATTACHMENT PAGE | 2 OF 6

Meanification:         Emerson           Meanification:         Part No.: HSSF5AS Serial No.: None           Description:         Component of Carestream DRX-Excel Plus System           Meanifieg:         Wall mounted using (4) – 1/4" Teks Screws w/ ½" THK x 1- 1/4" O.D. Fender Washer to backing plate           Dimensions [in]         Cowest Resonant Frequency [Hz]           Width         Depth           Dimensions [in]         Code: 2019 CBC           Vidth         Depth           10.0         9.1           10.3         115           2.5         0           1.5         Areart [G]           Accurring:         Code: 2019 CBC           Sig [G]         2/h           1.6.9         115           1.6.9         1.6.9           2.5         0           1.5         Areart [G]           Areart [G]         Areart [G]           Areart [G]         Areart [G]           Areart [G]         Areart [G]           2.5         0         1.5           3.20         2.40         1.68         0.68           Uhrt satisfied AC156 requirements for structural integrity and manufacturer requirements for intructural integrity and manufacturer requirements for intructural integrity and manufacturer requir	UUT-2001-3	480/240 Trai	nsformer for PI	JU			
Identification:       Part No.: HSSF5AS Serial No.: None         Component of Carestream DRX-Excel Plus System         Mounting:       Wall mounted using (4) - 1/4' Teles Screws wi 1/4' THK x 1- 1/4' O.D. Fender Washer to backing plate       Covest Resonant Frequency [H2]         Mounting:       Wall mounted using (4) - 1/4' Teles Screws wi 1/4' THK x 1- 1/4' O.D. Fender Washer to backing plate       Covest Resonant Frequency [H2]         Width       Dappth       Height       Weight [B]       Find - Axis       Side - Axis       Vert - Axis         10.0       9.1       16.9       115       10.38       D.08       Code: 2019 CBC         CC-ES ACISS Shake Table Tost Parameters       Code: 2019 CBC       Code: 2019 CBC       Code: 2019 CBC       Code: 2019 CBC         Unit satelified AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.       Unit satelified AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.         UTT-2001-4       Magnum 80 Generator       Magnum 60 Group Cole: 2019 CBC       Magnum 70 Grade S Jost wir Standard Washers the external bracket.       Lowest Resonant Frequency [H2]       Mediation find the act on the cole in the external bracket.         Menditedimer       CPI / Apalem       Mediation find the cole of sole in the act on the sole of sole in the act on the cole of sole in the act on the cole of sole			/				
Mounting:         Wall mounted using (4) - 1/4" Teks Screws w/ ½" THK x 1- 1/4" O. D. Fender Washer to backing plate         Lowest Resonant Frequency [H2]           Dimensions [in]         Covest Resonant Frequency [H2]         Front - Axis         Side - Axis         Vert - Axis           10.0         9.1         16.9         115         18.36         10.61         2.92           ICC-ES Act196 Shake Table Test Parameters         Code: 2019 CBC         Code: 2019 CBC         Side - Axis         Side - Axis           2.5         0         15         Asia.xi [G]         Asia.xi [G]         Asia.xi [G]         Asia.xi [G]           Utrt satisfied AC156 requirements for structural integrity and manufacture requirements for functionality after AC156 test.         UT-2001-4         Magnum 80 Generator         Generator           Weindification:         CPI P Ari No: 25735769 (43 CONFIGURED) Serial No: XMO018571;2:22 (AS LABELED) Applem Park No: 25735769 (43 CONFIGURED) Serial No: XMO018571;2:22 (AS LABELED) Applem Park No: 25735769 (43 CONFIGURED) Serial No: XMO018571;2:22 (AS LABELED) Applem Park No: 25735769 (43 CONFIGURED) Serial No: XMO018571;2:22 (AS LABELED) Applem Park No: 25735769 (43 CONFIGURED) Serial No: XMO018571;2:22 (AS LABELED) Applem Park No: 25735769 (43 CONFIGURED) Serial No: XMO018571;2:22 (AS LABELED) Applem Park No: 25735769 (43 CONFIGURED) Serial No: XMO018571;1:2         Utrevest Resonant Frequency [H2]           Mounting:         Riad Base Eleoni mounted using (6) - 1/2" dia. SAE J422 Grada 5 Allan Head Cap Screws w/ Standard Washers through Ca	Identification:		S				
1/4" O.D. Fender Washer to backing plate           CODE           Code: solution:           Umensions [in]         Lowest Resonant Frequency [Hz]           Width         Depth         Height         Weight [[b]         Front-Axis         Side -Axis         Vert - Axis           Code: 2019 CBC           Sea [G]         2/h         I.e.         Anxwt [G]         Aescwt [G]         Aer.xv [G]         Aescwt [G]           2.0         0         1.5         3.20         2.40         1.68         0.68           UIT-2001-4 Magnum 80 Generator           UIT-2001-4 Magnum 80 Generator           Manufacturer:         CPI / Apelem           Manufacturer:         CPI / Apelem           Manufacturer:         CPI / Apelem           Manufacturer:         CPI / Apelem           Manufacturer:         Code: Solution           Manufacturer:         Code: Solution           Component of Carestream DRX-Excel Plus System           Manufacturer:         Code: Solution           Manufacturer         Code: Solution	Description:	Component of Car	estream DRX-Excel Plu	is System			La
1/4" O.D. Fender Washer to backing plate           CODE           Code: solution:           Umensions [in]         Lowest Resonant Frequency [Hz]           Width         Depth         Height         Weight [[b]         Front-Axis         Side -Axis         Vert - Axis           Code: 2019 CBC           Sea [G]         2/h         I.e.         Anxwt [G]         Aescwt [G]         Aer.xv [G]         Aescwt [G]           2.0         0         1.5         3.20         2.40         1.68         0.68           UIT-2001-4 Magnum 80 Generator           UIT-2001-4 Magnum 80 Generator           Manufacturer:         CPI / Apelem           Manufacturer:         CPI / Apelem           Manufacturer:         CPI / Apelem           Manufacturer:         CPI / Apelem           Manufacturer:         Code: Solution           Manufacturer:         Code: Solution           Component of Carestream DRX-Excel Plus System           Manufacturer:         Code: Solution           Manufacturer         Code: Solution							From.
1/4" O.D. Fender Washer to backing plate           CODE           Code: solution:           Umensions [in]         Lowest Resonant Frequency [Hz]           Width         Depth         Height         Weight [[b]         Front-Axis         Side -Axis         Vert - Axis           Code: 2019 CBC           Sea [G]         2/h         I.e.         Anxwt [G]         Aescwt [G]         Aer.xv [G]         Aescwt [G]           2.0         0         1.5         3.20         2.40         1.68         0.68           UIT-2001-4 Magnum 80 Generator           UIT-2001-4 Magnum 80 Generator           Manufacturer:         CPI / Apelem           Manufacturer:         CPI / Apelem           Manufacturer:         CPI / Apelem           Manufacturer:         CPI / Apelem           Manufacturer:         Code: Solution           Manufacturer:         Code: Solution           Component of Carestream DRX-Excel Plus System           Manufacturer:         Code: Solution           Manufacturer         Code: Solution					H	and the second sec	
Width         Depth         Height         Weight [b]         Front -Axis         Side - Axis         Vert - Axis           10.0         9.1         16.9         115         18.36         10.61         2.92           ICC-ES AC156 Shake Table Test Parameters         Code: 2019 CBC         Code: 2019 CBC         Code: 2019 CBC         2.92           Spc [G]         Z/h         Ip         Accord [G]         Accord [G] <td>Mounting:</td> <td></td> <td>Washer to backing plate</td> <td></td> <td></td> <td></td> <td></td>	Mounting:		Washer to backing plate				
10.0         9.1         16.9         115         18.36         10.61         2.92           ICC-ES AC156 Shake Table Test Parameters         Code: 2019 CBC           Seg [G]         2/h         Ip         Anxwi [G]         Anx		Dimensions [in]			Lowes	st Resonant Frequen	icy [Hz]
10.0         9.1         16.9         115         18.36         10.61         2.92           ICC-ES AC156 Shake Table Test Parameters         Code: 2019 CBC           Sos [G]         2/h         lp         Arbert [G]         Arber [G]         Arbert [G] <th< td=""><td>Width</td><td>_</td><td></td><td>Weight [lb]</td><td></td><td>-</td><td></td></th<>	Width	_		Weight [lb]		-	
Sps [G]         z/h         IP         APLCH [G]         ARICH [G]         APLXY [G] <td>10.0</td> <td>9.1</td> <td></td> <td></td> <td>18.36</td> <td>10.61</td> <td>2.92</td>	10.0	9.1			18.36	10.61	2.92
Sps [G]         Z/h         Ip         ArtxH [G]         ApticH [G] <t< td=""><td>ICC-ES AC156 Sha</td><td>ke Table Test Paran</td><td>neters</td><td>)SP-0675</td><td>N'SI</td><td></td><td>Code: 2019 CBC</td></t<>	ICC-ES AC156 Sha	ke Table Test Paran	neters	)SP-0675	N'SI		Code: 2019 CBC
2.5     0     1.3     3.20     2.40     1.56     0.58       Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.       UUT-2001-4 Magnum 80 Generator       Manufacturer: CPI / Apelem Identification: Serial No.: XZW2558FDB12-22 (AS LABELED) Apelem Part No.: XZW2558FDB12-22 (AS LABELED) Serial No.: AMQ01867L19       Description:     Component of Carestream DRX-Excel Plus System Requires the use of seismic kit P/N: AJ6928 which contains the external bracket.     Image: Component of Carestream DRX-Excel Plus System Requires the use of seismic kit P/N: AJ6928 which contains the external bracket.     Image: Component of Carestream DRX-Excel Plus System Requires the use of seismic kit P/N: AJ6928 which contains the external bracket.     Image: Component of Carestream DRX-Excel Plus System Requires the use of seismic kit P/N: AJ6928 which contains the external bracket.     Image: Component of Carestream DRX-Excel Plus System Carea 5 Allen Head Cap Screws w/ Standard Washers through Carestream provided external bracket     Image: Component of Carestream DRX-Excel Plus System Carea 5 Allen Head Cap Screws w/ Standard Washers through Carestream provided external bracket       Width     Depth     Height     Weight [Ib]     Front - Axis     Side - Axis     Vert - Axis       20.5     16.5     43.5     219     6.36     7.12     14.07       Code: 2019 CBC       Seg [G]     Z/h     Ip     Artuch [G]     Artuch [G]     Artuch [G]     Artuch [G] <td< td=""><td>S<sub>DS</sub> [G]</td><td>z/h</td><td>I<sub>P</sub></td><td></td><td>А<sub>RIG-Н</sub> [G]</td><td>A<sub>FLX-V</sub> [G]</td><td>A<sub>RIG-V</sub> [G]</td></td<>	S <sub>DS</sub> [G]	z/h	I <sub>P</sub>		А <sub>RIG-Н</sub> [G]	A <sub>FLX-V</sub> [G]	A <sub>RIG-V</sub> [G]
UUT-2001-4 Magnum 80 Generator         Manufacturer:       CPI / Apelem         Identification:       CPI Part No.: VZW2558FD812-22 (AS LABELED) Apelem Part No.: Z6F35769 (AS CONFIGURED) Serial No.: AMQ01867L19         Description:       Component of Carestream DRX-Excel Plus System         Requires the use of seismic kit P/N: AJ6928 which contains the external bracket.       Image: CPI Part No.: VZW2558FD812-22 (AS LABELED) Apelem Part No.: Z6F35769 (AS CONFIGURED) Serial No.: AMQ01867L19         Mounting:       Rigid Base (Floor) mounted using (6) – 1/2" dia. SAE J429 Grade 5 Allen Head Cap Screws wi Standard Washers through Carestream provided external bracket       Lowest Resonant Frequency [Hz]         Width       Depth       Height       Weight [lb]       Front - Axis       Side - Axis       Vert - Axis         20.5       16.5       43.5       219       6.36       7.12       14.07         Code: 2019 CBG         Sog [G]       Z/h       Ip       ArtxH [G]       ArtsH [G]       Arts			<sup>1.5</sup> Y: Wi	lliam <sup>3.20</sup> taeh	11in <sup>2.40</sup>	1.68	0.68
Identification:       CPI Part No.: VZV2556PD812-22 (AS LABELED) Apelem Part No.: Z6F33769 (AS CONFIGURED) Serial No.: AMQ01867L19       Image: Component of Carestream DRX-Excel Plus System         Description:       Component of Carestream DRX-Excel Plus System       Image: Component of Carestream DRX-Excel Plus System         Mounting:       Requires the use of seismic kit P/N: AJ6928 which contains the external bracket.       Image: Component of Carestream DRX-Excel Plus System         Mounting:       Rigid Base (Floor) mounted using (6) – 1/2" dia. SAE J429 Grade 5 Allen Head Cap Screws w/ Standard Washers through Carestream provided external bracket       Image: Component Frequency [Hz]         Dimensions [in]       Lowest Resonant Frequency [Hz]         Width       Depth       Height       Weight [lb]       Front - Axis       Side - Axis       Vert - Axis         20.5       16.5       43.5       219       6.36       7.12       14.07         ICC-ES AC156 Shake Table Test Parameters         Code: 2019 CBC         Sos [G]       Z/h       Ip       ArLxH [G]       ArlsH [G]		_	Generator				
Apelem Part No.: Z6F35769 (AS CONFIGURED) Serial No.: AMQ01867L19       Image: Component of Carestream DRX-Excel Plus System       Image: Component of Carestream Dracket       Image: Component Of Carestream Dracket </td <td></td> <td></td> <td>T</td> <td></td> <td>291-</td> <td></td> <td></td>			T		291-		
Description:       Component of Carestream DRX-Excel Plus System DING       Image: Second System System DING       Image: Seco	Identification:	Apelem Part No.: 2	Z6F35769 (AS CONFIG		ODE	UUT-4 2R Las	8.1
Requires the use of seismic kit P/N: AJ6928 which contains the external bracket.         Mounting:       Rigid Base (Floor) mounted using (6) – 1/2" dia. SAE J429 Grade 5 Allen Head Cap Screws w/ Standard Washers through Carestream provided external bracket       Lowest Resonant Frequency [Hz]         Mounting:       Dimensions [in]       Event Height       Weight [lb]       Front - Axis       Side - Axis       Vert - Axis         Width       Depth       Height       Weight [lb]       Front - Axis       Side - Axis       Vert - Axis         ICC-ES AC156 Shake Table Test Parameters       Code: 2019 CBC         Sog [G]       Z/h       Ip       AFLXH [G]       ARIGH [G]       AFLXH [G]       ARIGH [G] </td <td>Description:</td> <td>Component of Car</td> <td>estream DRX-Excel Plu</td> <td>is System DING</td> <td></td> <td></td> <td></td>	Description:	Component of Car	estream DRX-Excel Plu	is System DING			
Grade 5 Allen Head Cap Screws w/ Standard Washers through Carestream provided external bracket       Lowest Resonant Frequency [Hz]         Dimensions [in]       Lowest Resonant Frequency [Hz]         Width       Depth       Height       Weight [lb]       Front - Axis       Side - Axis       Vert - Axis         20.5       16.5       43.5       219       6.36       7.12       14.07         ICC-ES AC156 Shake Table Test Parameters         Sog [G]       Z/h       Ip       AFLX-H [G]       ARIG-H [G]       AFLX-V [G]       ARIG-V [G]         2.0       1       1.5       3.20       2.40       1.68       0.68				28 which contains			
Width         Depth         Height         Weight [lb]         Front - Axis         Side - Axis         Vert - Axis           20.5         16.5         43.5         219         6.36         7.12         14.07           ICC-ES AC156 Shake Table Test Parameters         Code: 2019 CBC           S <sub>DS</sub> [G]         Z/h         Ip         A <sub>FLX+H</sub> [G]         A <sub>RIG-H</sub> [G]         A <sub>FLX-V</sub> [G]         A <sub>RIG-V</sub> [G]           2.0         1         15         3.20         2.40         1.68         0.68	Mounting:	Grade 5 Allen Hea	d Cap Screws w/ Stand	lard Washers			
20.5         16.5         43.5         219         6.36         7.12         14.07           ICC-ES AC156 Shake Table Test Parameters           SDS [G]         Z/h         Ip         AFLX-H [G]         ARIG-H [G]         AFLX-V [G]         ARIG-V [G]           2.0         1         15         3.20         2.40         1.68         0.68		Dimensions [in]	]		Lowes	st Resonant Frequen	icy [Hz]
ICC-ES AC156 Shake Table Test Parameters         Code: 2019 CBC           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]           2.0         1         1.5         3.20         2.40         1.68         0.68	Width	Depth	Height	Weight [lb]	Front - Axis	Side - Axis	Vert - Axis
S <sub>DS</sub> [G] $Z/h$ I <sub>P</sub> $A_{FLX-H}$ [G] $A_{RIG-H}$ [G] $A_{FLX-V}$ [G] $A_{RIG-V}$ [G]           2.0         1         1.5         3.20         2.40         1.68         0.68	20.5	16.5	43.5	219	6.36	7.12	14.07
2.0 1 1.5 3.20 2.40 1.68 0.68	ICC-ES AC156 Sha	ke Table Test Paran	neters				Code: 2019 CBC
	S <sub>DS</sub> [G]	z/h	IP	A <sub>FLX-H</sub> [G]	A <sub>RIG-H</sub> [G]	A <sub>FLX-V</sub> [G]	A <sub>RIG-V</sub> [G]
			1.5	3.20	2.40	1.68	0.68



### **Carestream Health, Inc.**

### ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT-2001-	5 Detector Ca	binet				
Manufacturer:	Apelem	/			-	
Identification:	Part No.: Z5Z3515 Serial No.: Z5Z35	7				- LEL
Description:		restream DRX-Excel P of seismic kit P/N: AJ69 et.	·			
Mounting:	Grade 5 Allen Hea	<u>mounted</u> using (6) – 1 ad Cap Screws w/ Stan m provided external br	dard Washers			
	Dimensions [in	I	DREODEC	Lowes	t Resonant Frequen	cy [Hz]
Width	Depth	Height	Weight [lb]	Front - Axis	Side - Axis	Vert - Axis
22.0	24.7	32.0	237	13.88	6.29	14.15
ICC-ES AC156 SI	hake Table Test Parar	neters		12		Code: 2019 CBC
S <sub>DS</sub> [G]	z/h	l <sub>P</sub>	GALIXH [G]75	A <sub>RIG-H</sub> [G]	A <sub>FLX-V</sub> [G]	A <sub>RIG-V</sub> [G]
2.0 2.5	1 0	1.5	3.20	2.40	1.68	0.68
Unit satisfied AC1	56 requirements for str	uctural integrity and ma	anufacturer requiremen	ts for functionality afte	r AC156 test.	•

Manufacturer:	Mavig / WIE	DE Corporation					
Identification:	Model No.:	GD42U20 (Du OT40B03 (Lea OT50U010 (E)	A (Column / Carriage) al Monitor Support) ad Shield) ktension Springarm 1) ktension Springarm 2)	BUILDING			
	Serial No.:	1219/00502 (E 1119/20772 (L 0120/28906 (E 0120/03073 (E MX10SDQ9S0	Column / Carriage) Dual Monitor Support)				
Description:	Component	of Carestream	DRX-Excel Plus Sys	stem			
Mounting:	P1008 char	nel nuts through ) bolts and nuts	) – 3/8" dia. Grade 5 <sub>j</sub> h carriage track to L <sub>5</sub> (Torque = 20 lb-ft) p		31		
	Din	nensions [in]			Lowes	st Resonant Frequen	cy [Hz]
Width	D	epth	Height	Weight [lb]	Front - Axis	Side - Axis	Vert - Axis
157.48	1	3.2	83.5	192	5.81	6.31	4.96
CC-ES AC15	6 Shake Tabl	e Test Parame	ters				Code: 2019 CB
S <sub>DS</sub> [G]	:	z/h	l <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]
2.0		1	1.5	3.20	2.40	1.68	0.68



### **Carestream Health, Inc.**

#### ATTACHMENT 2: TEST SPECIMEN SUMMARY

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001-2001-7	7 Control Co	nsole				
Manufacturer:	Apelem					
Identification:	Part No.: Z7E350 Serial No.: Z7E35	-		-0		2 /
Description:		of seismic kit P/N: AJ69 ket.				
Mounting:		t <u>ted</u> using (4) #10 Teks s ded external bracket	RCODE CO			
	Dimensions [ii	n] NE		Lowes	st Resonant Frequen	cy [Hz]
Width	Dimensions [in Depth	n] Height	Weight [lb]	Lowes Front - Axis	st Resonant Frequen Side - Axis	cy [Hz] Vert - Axis
Width 21.3	-		Weight [lb]		-	
21.3	Depth	Height 5.5		Front - Axis	Side - Axis	Vert - Axis
21.3	Depth 12.8	Height 5.5		Front - Axis	Side - Axis	Vert - Axis 14.83

DATE: 07/15/2021

UUT-2001-8	MPU Compu	ter	+	<u>%</u>		
Manufacturer:	Thales					
Identification:	Part No.: 63105896 Serial No.: NHRM-					
Description:	Component of Care	estream DRX-Excel Pl	us System DING			
	Requires the use o the external bracke	f seismic kit P/N: AJ69 t and strap.	28 which contains	2		
Mounting:	Grade 5 Allen Head	mounted using (4) – 1/ d Cap Screws w/ Stand provided external bra	dard Washers			
	Dimensions [in]			Lowes	st Resonant Frequer	icy [Hz]
Width	Depth	Height	Weight [lb]	Front - Axis	Side - Axis	Vert - Axis
8.3	22.9	18.3	44.5	30.77	45.43	> 50
ICC-ES AC156 Sha	ke Table Test Param	eters		•		Code: 2019 CBC
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]
2.0 2.5	1 0	1.5	3.20	2.40	1.68	0.68
Unit satisfied AC156	requirements for stru	ctural integrity and ma	nufacturer requiremer	nts for functionality afte	er AC156 test.	-



### **Carestream Health, Inc.**

#### ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT-2001-9	Keyboard					
Manufacturer:	Logitech			0	1 er	
Identification:	Part No.: 820-007 Serial No.: 1834					
Description:		arestream DRX-Excel P of seismic kit P/N: AJ6 kets.	,			
		to d	aarawa thrawah		10 10 10 10 10 10 10 10 10 10 10 10 10 1	
Mounting:		ited using (4) #10 Teks ided external brackets				
Mounting:		ided external brackets		Lowes	st Resonant Frequen	ncy [Hz]
Mounting:	Carestream provi	ided external brackets		Lowes Front - Axis	st Resonant Frequer Side - Axis	hcy [Hz] Vert - Axis
	Carestream provi	n]	CODE CO			
Width 17.75	Carestream provi	n] Height 0.90	SWeight [lb]	Front - Axis	Side - Axis	Vert - Axis
Width 17.75	Carestream provi	n] Height 0.90	SWeight [lb]	Front - Axis	Side - Axis	Vert - Axis 12.83

M DATE: 07/15/2021

### UUT-2001-10 19" LCD Monitor w/ Desk Mount

Manufacturer:	WIDE Corporatio	n / Peerless		Company of the second s		
Identification:	Monitor Model No Mount Part No.: L Serial No.: MX10	CT100S		CONF.	C T C C C C C C C C C C C C C C C C C C	
Description: Mounting:		arestream DRX-Excel <u>ited</u> using Peerless de nd grommet				
	Dimensions [in]			Lowest Resonant Frequency [Hz]		
Width	Depth	Height	Weight [lb]	Front - Axis	Side - Axis	Vert - Axis
	0.05	14.25	10	16.84	10.49	10.78
17.25	6.25	14.23	10			
-	6.25 Ike Table Test Parame		10			Code: 2019 CBC
-		-	A <sub>FLX-H</sub> [G]	A <sub>RIG-H</sub> [G]	A <sub>FLX-V</sub> [G]	Code: 2019 CBC A <sub>RIG-V</sub> [G]
ICC-ES AC156 Sha	ike Table Test Parame	eters		А <sub>RIG-Н</sub> [G] 2.40	A <sub>FLX-V</sub> [G] 1.68	



### **Carestream Health, Inc.**

#### ATTACHMENT 2: TEST SPECIMEN SUMMARY

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Manufacturer:	EIZO / Peerless	3		4		
Identification:	Monitor Model Mount Part No.: Serial No.: 2172		)			
Description:	Component of C	Carestream DRX-Exce	el Plus System			R
Mounting:	Countertop mou thru bolt w/ nut	unted using Peerless of and grommet	esk mount M10	C C		
Mounting:		and grommet	desk mount M10	Lowest	Resonant Frequenc	y [Hz]
Mounting: Width	thru bolt w/ nut	and grommet	desk mount M10	Lowest Front - Axis	Resonant Frequenc Side - Axis	y [Hz] Vert - Axis
	thru bolt w/ nut	and grommet	CHDE		•	
Width	Dimensions [in Depth 6.75	and grommet	Weight [lb]	Front - Axis	Side - Axis	Vert - Axis
Width 21.25	Dimensions [in Depth 6.75	and grommet	Weight [lb]	Front - Axis	Side - Axis	Vert - Axis 12.86



