



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION
FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR HCAI SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP-0807

HCAI Special Seismic Certification Preapproval (OSP)

Type: [X] New [] Renewal

Manufacturer Information

Manufacturer: Carestream

Manufacturer's Technical Representative: Christopher Kralles

Mailing Address: 1049 Ridge Road West, Rochester, NY 14615

Telephone: (585) 506-2160

Email: christopherkralles@carestream.com

Product Information

Product Name: Fluoroscopy and Radiography Systems

Product Type: NA

Product Model Number: Carestream DRX Evolution Plus

General Description: Multiple component digital X-Ray medical 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)

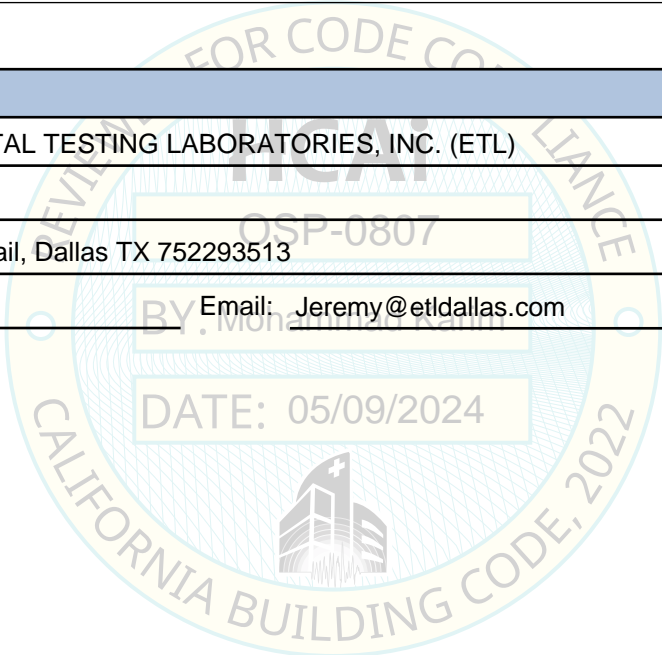
Company Name: EASE LLC
Name: Jonathan Roberson California License Number: S4197
Mailing Address: 5877 Pine Ave., Suite 210, Chino Hills, CA 91709
Telephone: (951) 295-1892 Email: jon@EASECo.com

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: Jeremy Lange
Mailing Address: 11034 Indian Trail, Dallas TX 752293513
Telephone: (972) 247-9657 Email: Jeremy@etldallas.com





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Seismic Parameters

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

SDS (Design spectral response acceleration at short period, g) = 2.0 (z/h = 1); 2.5 (z/h = 0)

a_p (Amplification factor) = See Attachment

R_p (Response modification factor) = See Attachment

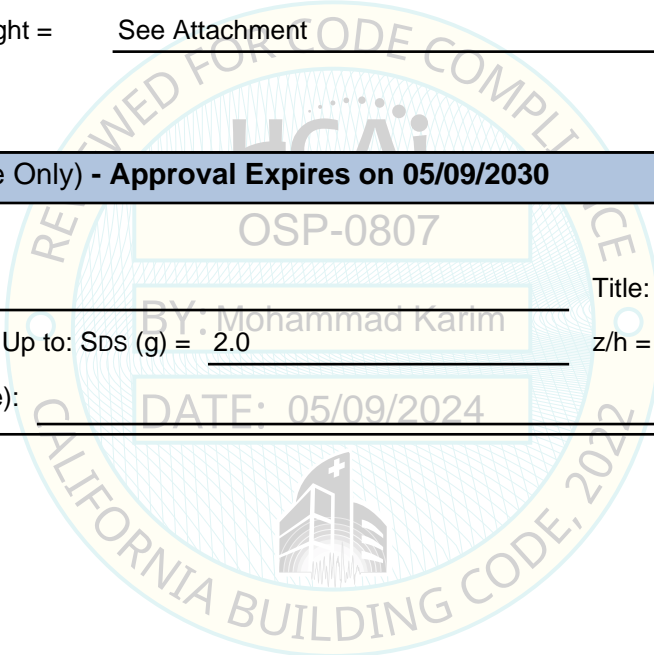
Ω_0 (System overstrength factor) = 2.0

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 05/09/2030

Date: 5/9/2024

Name: Mohammad Karim Title: Supervisor, Health Facilities

Special Seismic Certification Valid Up to: SDS (g) = 2.0 z/h = 1

Condition of Approval (if applicable): _____



ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

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TABLE 1:

System Mfr	Carestream Health										S _{DS} = 2.0 at z/h = 1	
System	DRX Evolution Plus ^[2]										S _{DS} = 2.5 at z/h = 0	
Component	Product No.	Approx. Dimensions [In]			Max. Wt. [Lb]	Mount	Basis ^[1]	F _p /W _p	a _p	R _p	Ω ₀	
		W	D	H								
OVERHEAD TUBE CRANE (OTC) ^[3]												
Assembly-Evolution OTC including: >CEILING RAIL-OTC > 2.5M Transverse Bridge >Tube = Canon XRR-4631G >COLLIMATOR: Ralco R221 Automatic Model: R 221 ACCS DHHS Customization: 237P	AN5303	98.43 (2.5M)	33.23 ^[3]	46.0 – 111.4	790 ^[4]	Ceiling	UUT-1	3.6	2 ½	2 ½	2	
Assembly-Evolution OTC including: >CEILING RAIL-OTC 6M (max.) > 2.5M - 4M Transverse Bridge >Tube = Canon XRR-4631G >Collimator: Ralco R221 Automatic Model: R 221 ACCS DHHS Customization: 237P >DAP >Collimator Camera	AN5310	98.43 (2.5M) -to- 157.48 (4M)	33.23 ^[3]	46.0 – 111.4	790-860 ^[4]	Ceiling	INT	3.6	2 ½	2 ½	2	
Assembly-Evolution OTC including: >CEILING RAIL-OTC 6M (max.) > 2.5M - 4M Transverse Bridge >Tube = Canon XRR-4631G >Collimator: Ralco R221 Automatic Model: R 221 ACCS DHHS Customization: 237P >Collimator Camera	AN5307	98.43 (2.5M) -to- 157.48 (4M)	33.23 ^[3]	46.0 – 111.4	790-860 ^[4]	Ceiling	INT	3.6	2 ½	2 ½	2	

Table continues next page

ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

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TABLE 1:

System Mfr	Carestream Health										S _{DS} = 2.0 at z/h = 1	
System	DRX Evolution Plus ^[2]										S _{DS} = 2.5 at z/h = 0	
Component	Product No.	Approx. Dimensions [In]			Max. Wt. [Lb]	Mount	Basis ^[1]	F _p /W _p	a _p	R _p	Ω ₀	
		W	D	H								
Assembly-Evolution OTC including: >CEILING RAIL-OTC 6M (max.) > 2.5M - 4M Transverse Bridge >Tube = Canon XRR-4631G >Collimator: Ralco R221 Automatic Model: R 221 ACCS DHHS Customization: 237P >DAP	AN6803	98.43 (2.5M) -to- 157.48 (4M)	33.23 ^[3]	46.0 – 111.4	790-860 ^[4]	Ceiling	INT	3.6	2 ½	2 ½	2	
Assembly-Evolution OTC including: >CEILING RAIL-OTC 6M (max.) > 2.5M - 4M Transverse Bridge >Tube = Canon XRR-4631G >Collimator: Ralco R221 Automatic Model: R 221 ACCS DHHS Customization: 237P	AN5303	98.43 (2.5M) -to- 157.48 (4M)	33.23 ^[3]	46.0 – 111.4	790-860 ^[4]	Ceiling	INT	3.6	2 ½	2 ½	2	
Assembly-Evolution OTC including: >CEILING RAIL-OTC 6M (max.) > 2.5M - 4M Transverse Bridge >Tube = Canon XRR-4631G >Collimator: Ralco R221 Dual Energy Model: R 221 ACCS DHHS Customization: 237G2 >DAP >Collimator Camera	AN4825	98.43 (2.5M) -to- 157.48 (4M)	33.23 ^[3]	48.0 – 111.4	790-860 ^[4]	Ceiling	INT	3.6	2 ½	2 ½	2	

Table continues next page

ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

TABLE 1:

System Mfr	Carestream Health										S _{DS} = 2.0 at z/h = 1	
System	DRX Evolution Plus ^[2]										S _{DS} = 2.5 at z/h = 0	
Component	Product No.	Approx. Dimensions [In]			Max. Wt. [Lb]	Mount	Basis ^[1]	F _p /W _p	a _p	R _p	Ω ₀	
		W	D	H								
Assembly-Evolution OTC including: >CEILING RAIL-OTC 6M (max.) > 2.5M - 4M Transverse Bridge >Tube = Canon XRR-4631G >Collimator: Ralco R221 Dual Energy Model: R 221 ACCS DHHS Customization: 237G2 >Collimator Camera	AN6804	98.43 (2.5M) -to- 157.48 (4M)	33.23 ^[3]	48.0 – 111.4	790-860 ^[4]	Ceiling	INT	3.6	2 ½	2 ½	2	
Assembly-Evolution OTC including: >CEILING RAIL-OTC 6M (max.) > 2.5M - 4M Transverse Bridge >Tube = Canon XRR-4631G >Collimator: Ralco R221 Dual Energy Model: R 221 ACCS DHHS Customization: 237G2 >DAP	AN6805	98.43 (2.5M) -to- 157.48 (4M)	33.23 ^[3]	48.0 – 111.4	790-860 ^[4]	Ceiling	INT	3.6	2 ½	2 ½	2	
Assembly-Evolution OTC including: >CEILING RAIL-OTC 6M (max.) > 2.5M - 4M Transverse Bridge >Tube = Canon XRR-4631G >Collimator: Ralco R221 Dual Energy Model: R 221 ACCS DHHS Customization: 237G2	AN6806	98.43 (2.5M) -to- 157.48 (4M)	33.23 ^[3]	48.0 – 111.4	790-860 ^[4]	Ceiling	INT	3.6	2 ½	2 ½	2	

Table continues next page

ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

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TABLE 1:

System Mfr	Carestream Health										S _{DS} = 2.0 at z/h = 1	
System	DRX Evolution Plus ^[2]										S _{DS} = 2.5 at z/h = 0	
Component	Product No.	Approx. Dimensions [In]			Max. Wt. [Lb]	Mount	Basis ^[1]	F _P /W _P	a _P	R _P	Ω ₀	
		W	D	H								
Assembly-Evolution OTC including: >CEILING RAIL-OTC > 4M Transverse Bridge >Tube = Canon XRR-4631G >COLLIMATOR: Ralco R221 Dual Energy Model: R 221 ACCS DHHS Customization: 237G2 >DAP >Collimator Camera	AN4825	157.48 (4M)	33.23 ^[3]	48.0 – 111.4	860 ^[4]	Ceiling	UUT-2	3.6	2 ½	2 ½	2	
PATIENT TABLES												
Assembly-Evolution Table, Seismic including: >Detector = 35x43 Lux >Tether Control Handle >Extra Rear Foot Pedals	AN4828	98.90	32.91	35.28" Max	724-736 ^[5]	Rigid Base	UUT-7A	2.40	1	1 ½	2	
Assembly-Evolution Table, Seismic including: >Detector = 35x43 Lux >Extra Rear Foot Pedals	AN6808	98.90	32.91	35.28" Max	723-736	Rigid Base	INT	2.40	1	1 ½	2	
Assembly-Evolution Table, Seismic including: >Detector = 35x43 Lux >Tether Control Handle	AN6809	98.90	32.91	35.28" Max	723-736	Rigid Base	INT	2.40	1	1 ½	2	
Assembly-Evolution Table, Seismic including: >Detector = 35x43 Lux	AN5309	98.90	32.91	35.28" Max	723-736	Rigid Base	INT	2.40	1	1 ½	2	
Assembly-Evolution Table, Seismic including: >Detector = 35x43C DRX+ >Tether Control Handle >Extra Rear Foot Pedals	AN6810	98.90	32.91	35.28" Max	723-736	Rigid Base	INT	2.40	1	1 ½	2	

Table continues next page

ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

TABLE 1:

System Mfr	Carestream Health										S _{DS} = 2.0 at z/h = 1	
System	DRX Evolution Plus [2]										S _{DS} = 2.5 at z/h = 0	
Component	Product No.	Approx. Dimensions [In]			Max. Wt. [Lb]	Mount	Basis [1]	F _p /W _p	a _p	R _p	Ω ₀	
		W	D	H								
Assembly-Evolution Table, Seismic including: >Detector = 35x43C DRX+ >Extra Rear Foot Pedals	AN6811	98.90	32.91	35.28" Max	723-736	Rigid Base	INT	2.40	1	1 ½	2	
Assembly-Evolution Table, Seismic including: >Detector = 35x43C DRX+ >Tether Control Handle	AN6812	98.90	32.91	35.28" Max	723-736	Rigid Base	INT	2.40	1	1 ½	2	
Assembly-Evolution Table, Seismic including: >Detector = 35x43C DRX+	AN5306	98.90	32.91	35.28" Max	723 [5]	Rigid Base	UUT-8A	2.40	1	1 ½	2	
WALLSTANDS												
Assembly-Evolution Wall Stand, Seismic , including: >Stationary Mount >Detector = 43x43 DRX+ > Grid #1 (6.4 lbs)	AN4827	23.22	44.29	93.98	583 w/ brackets	Wall/Floor	UUT-5A	2.40	1	1 ½	2	
Assembly-Evolution Wall Stand, Seismic , including: >Stationary Mount >Detector = 43x43 DRX+ > Grid #3 (6.4 lbs)	AN5305	23.22	44.29	93.98	583 w/ brackets	Wall/Floor	INT	2.40	1	1 ½	2	
Assembly-Evolution Wall Stand, Seismic , including: >Stationary Mount >Detector = 43x43 DRX+ > Grid #2 (4.8 lbs)	AN5311	23.22	44.29	93.98	581 w/ brackets	Wall/Floor	UUT-6	2.40	1	1 ½	2	
POWER DISTRIBUTION (PDU)												
Assembly-Evolution PDU, Seismic >80KW Generator / PDU w/ >POE >UPS	AN4826	25.59 [31.26 w/ mounting brackets]	22.28	47.76	481 w/ brackets	Rigid Base	UUT-3	1.44	1	2 ½	2	

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ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

TABLE 1:

System Mfr	Carestream Health										S _{DS} = 2.0 at z/h = 1	
System	DRX Evolution Plus ^[2]										S _{DS} = 2.5 at z/h = 0	
Component	Product No.	Approx. Dimensions [In]			Max. Wt. [Lb]	Mount	Basis ^[1]	F _p /W _p	a _p	R _p	Ω ₀	
		W	D	H								
Mount	<p><u>RIGID BASE (FLOOR) MOUNT</u>: free-standing, base-mounted tower configuration with the component rigidly attached to a supporting structure and no lateral support above the base.</p> <p><u>WALL/FLOOR WALL/FLOOR</u>: unit bears on and is anchored to the supporting floor. In addition, lateral restraint anchoring the unit to an adjacent wall or other supporting structure is provided along the height of the equipment.</p> <p><u>CEILING (SUSPENDED)</u>: unit is anchored to and suspended from a rigid framing system at or slightly above the ceiling line of the room.</p> <p><u>COUNTERTOP ANCHORED (CTA)</u>: unit is anchored to a counter, desk, or other piece of fixed furniture.</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 (Interpolate or extrapolate): Indicates model not specifically tested, by which seismic qualification is established through evaluation of testing of similar models in the product line. <p>2. System components in table above include enhancements and/or supplemental hardware for seismic use. Mounting hardware are collected in (Seismic Kit – Evo Refresh AM5751).</p> <p>3. OTC dimensions “W” and “D” are the dimensions of the transverse bridge.</p> <p>4. OTC tabulate weight excludes weight of longitudinal rails. All configurations include up to 6M longitudinal rails (293 lb/pair).</p> <p>5. Patient Table weight excludes 600 lb. simulated patient load present during testing.</p>											

ATTACHMENT 2: TEST SPECIMEN SUMMARY

UUT-1 Evolution OTC w/ 2.5M Bridge						
<i>Manufacturer:</i>		Carestream				
<i>Identification:</i>		Model No.: AN5303 Serial No.: 11220				
<i>Description:</i>		Component of DRX Evolution Plus System Assembly-Evolution OTC Including: >Ceiling Rail-OTC 6M Long (Field Cut) >2.5M Transverse Bridge >Tube = Canon XRR-4631G (Not found on label) >Collimator: Ralco R221 Automatic Model: R 221 ACCS DHHS Customization: 237P				
<i>Mounting:</i>		Ceiling Mounted using: (2) – ½”-13 x 1.5” SHCS w/ Carestream mounting block to Unistrut (Torque = 50 ft-lb). Typical at each of 6 support points spaced 26” o.c. along each longitudinal rail. (24 bolts total)				
Dimensions (in.)				Lowest Resonant Frequency (Hz.)		
Width	Depth	Height	Weight (lb.)	Transv (X) - Axis	Longit (Y) - Axis	Vert (Z) - Axis
98.43	33.23	80	790 w/o rails	N/A	N/A	N/A
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	1	1.5	3.2	2.4	1.68	0.68
2.5	0					
Unit satisfied AC156 requirements for structural integrity and remained functional per manufacturer requirement after AC 156 test.						





UUT-2 Evolution OTC w/ 4M Bridge						
<i>Manufacturer:</i>		Carestream				
<i>Identification:</i>		Model No.: AN4825 Serial No.: 11220				
<i>Description:</i>		Component of DRX Evolution Plus System Assembly-Evolution OTC Including: >Ceiling Rail-OTC 6M Long (Field Cut) >4M Transverse Bridge >Tube = Canon XRR-4631 (Not found on label) >Collimator: Ralco R221 Dual Energy Model: R 221 ACCS DHHS Customization: 237G2 >DAP >Collimator Camera				
<i>Mounting:</i>		Ceiling Mounted using: (2) – ½”-13 x 1.5” SHCS w/ Carestream mounting block to Unistrut (Torque = 50 ft-lb). Typical at each of 6 support points spaced 26” o.c. along each longitudinal rail. (24 bolts total)				
Dimensions (in.)				Lowest Resonant Frequency (Hz.)		
Width	Depth	Height	Weight (lb.)	Transv (X) - Axis	Longit (Y) - Axis	Vert (Z) - Axis
157.48	33.23	80	860 w/o rails	N/A	N/A	N/A
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	1	1.5	3.2	2.4	1.68	0.68
2.5	0					
Unit satisfied AC156 requirements for structural integrity and remained functional per manufacturer requirement after AC 156 test.						




ATTACHMENT 2: TEST SPECIMEN SUMMARY


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UUT-3 Evolution PDU, Seismic w/ Options						
<i>Manufacturer:</i> Carestream						
<i>Identification:</i> Model No.: AN4826 Serial No.: 66090						
<i>Description:</i> Component of DRX Evolution Plus System Assembly-Evolution PDU, Seismic >80KW Generator PDU >POE >UPS						
<i>Mounting:</i> <u>Rigid Base (Floor) mounted using</u> (3) 1/2" dia SAE J429 Grade 5 bolts each side. (6 bolts total) (Torque = 50 ft-lb)						
Dimensions (in.)				Lowest Resonant Frequency (Hz.)		
Width	Depth	Height	Weight (lb.)	S/S (X)-Axis	F/B (Y)-Axis	Vert (Z) -Axis
31.26	22.28	47.76	481 w/ brackets	9.74	7.22	28.68
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	1	1.5	3.2	2.4	1.68	0.68
2.5	0					
Unit satisfied AC156 requirements for structural integrity and remained functional per manufacturer requirement after AC 156 test.						

UUT-5A Evolution Wall Stand, Seismic (Grid 1)						
<i>Manufacturer:</i> Carestream						
<i>Identification:</i> Model No.: AN4827 Serial No.: 30275						
<i>Description:</i> Component of DRX Evolution Plus system Assembly-Evolution Wall Stand, Seismic >Stationary Mount >Detector = 43x43 DRX+ >Grid #1 (6.4 lbs) 12:1 Ratio P/N AF2975						
<i>Mounting:</i> <u>Wall/Floor mounted using:</u> (4) - 1/2" Dia. SAE J429 Gr. 5 bolts to floor (4) - 1/4" Dia. bolts w/ 1" OD washers to wall						
Dimensions (in.)				Lowest Resonant Frequency (Hz.)		
Width	Depth	Height	Weight (lb.)	S/S (X)-Axis	F/B (Y)-Axis	Vert (Z) -Axis
23.22	44.29	93.98	583 w/ brackets	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	1	1.5	3.2	2.4	1.68	0.68
2.5	0					
Unit satisfied AC156 requirements for structural integrity and remained functional per manufacturer requirement after AC 156 test.						


ATTACHMENT 2: TEST SPECIMEN SUMMARY

UUT-6 Evolution Wall Stand, Seismic (Grid 2)						
<i>Manufacturer:</i> Carestream						
<i>Identification:</i> Model No.: AN5305 (As configured) Model No.: AN4827 (As labeled) Serial No.: 30275						
<i>Description:</i> Component of DRX Evolution Plus system Assembly-Evolution Wall Stand >Stationary Mount >Detector = 43x43 DRX+ >Grid #2 (4.8 lbs) 8:1 Ratio P/N AFG685						
<i>Mounting:</i> <u>Wall/Floor mounted</u> using: (4) – ½” Dia. SAE J429 Gr. 5 bolts to floor (4) – ¼” Dia. bolts w/ 1” OD washers to wall						
Dimensions (in.)				Lowest Resonant Frequency (Hz.)		
Width	Depth	Height	Weight (lb.)	S/S (X)-Axis	F/B (Y)-Axis	Vert (Z) -Axis
23.22	44.29	93.98	581 w/ brackets	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 remained functional per manufacturer requirement after AC 156 test.						

UUT-7A Evolution Table, Seismic w/ Lux Detector & Options						
<i>Manufacturer:</i> Carestream						
<i>Identification:</i> Model No.: AN4828 Serial No.: 40064						
<i>Description:</i> Component of DRX Evolution Plus system Assembly-Evolution Table, Seismic >Detector = 35x43 Lux Grid 12:1 Ratio >Tether Control Handle JPI Anti-Scatter Grid >Extra Rear Foot Pedals * 600 lb patient load						
<i>Mounting:</i> <u>Rigid Base (Floor) mounted</u> using (4) – 5/8” dia. SAE J429 Grade 5 bolts w/ Carestream supplied plate washers. (Torque = 40 ft-lb)						
Dimensions (in.)				Lowest Resonant Frequency (Hz.)		
Width	Depth	Height	Weight (lb.)	F/B (X) - Axis	S/S (Y) - Axis	Vert (Z) - Axis
98.90	32.91	33	736 + Patient*	1.93	None observed	4.91
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 remained functional per manufacturer requirement after AC 156 test.						

ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT-8A Evolution Table, Seismic w/ DRX+ Detector						
<i>Manufacturer:</i> Carestream						
<i>Identification:</i> Model No.: AN5306 (As configured) Model No.: AN4828 (As labeled) Serial No.: 40064						
<i>Description:</i> Component of DRX Evolution Plus system Assembly-Evolution Table, Seismic >Detector = 35x43C DRX+ >Grid 12:1 Ratio P/N AF5686 * 600 lb patient load						
<i>Mounting:</i> Rigid Base (Floor) mounted using (4) – 5/8" dia. SAE J429 Grade 5 bolts w/ Carestream supplied plate washers. (Torque = 40 ft-lb)						
Dimensions (in.)				Lowest Resonant Frequency (Hz.)		
Width	Depth	Height	Weight (lb.)	F/B (X) - Axis	S/S (Y) - Axis	Vert (Z) - Axis
98.90	32.91	33"	723+ Patient*	3.58	None observed	6.75
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	1	1.5	3.2	2.4	1.68	0.68
2.5	0					
Unit satisfied AC156 requirements for structural integrity and remained functional per manufacturer requirement after AC 156 test.						

DATE: 05/09/2024

