



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

**APPLICATION FOR OSHPD SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)**

OFFICE USE ONLY

APPLICATION #: OSP – 0631

OSHPD Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: Canon Medical Systems Corporation

Manufacturer's Technical Representative: Krystal Ouren

Mailing Address: 2441 Michelle Drive, Tustin CA 92780

Telephone: On File

Email: On File

Product Information

Product Name: AQUILION PRIME SP

Product Type: Computed Tomography (CT) medical diagnostic imaging systems

Product Model Number: See Attachment 1, Tables 1 & 2

(List all unique product identification numbers and/or part numbers)

General Description: Multiple component systems for the provision of Computed Tomography (CT) medical imaging. Seismic Certification is limited to the systems & components identified in Attachment 1. Enhancements to the standard manufactured product present in the units tested shall be incorporated into the certified units.

Mounting Description: Rigid base mounted (i.e. floor mounted), except as noted in Attachment 1, Table 1.

Applicant Information

Applicant Company Name: EASE


Contact Person: JONATHAN ROBERSON, S.E.

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

Telephone: (909) 606-7622

Email: j.roberson@easeco.com

I hereby agree to reimburse the Office of Statewide Health Planning and Development review fees in accordance with the California Administrative Code, 2016.

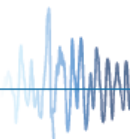
Signature of Applicant: 

Date: 12/22/2020

Title: Principal Engineer

Company Name: EASE

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





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

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

Company Name: EASE

Name: JONATHAN ROBERSON, S.E. California License Number: S4197

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

Telephone: (909) 606-7622 Email: j.roberson@easeco.com

Supports and Attachments Preapproval

- Supports and attachments are preapproved under OPM- _____
(Separate application for OSHPD Preapproval of Manufacturer's Certification (OPM) of Supports and attachments is required)
- Supports and attachments are not preapproved

Certification Method

- Testing in accordance with: ICC-ES AC156
 Other (Please Specify): _____

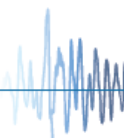
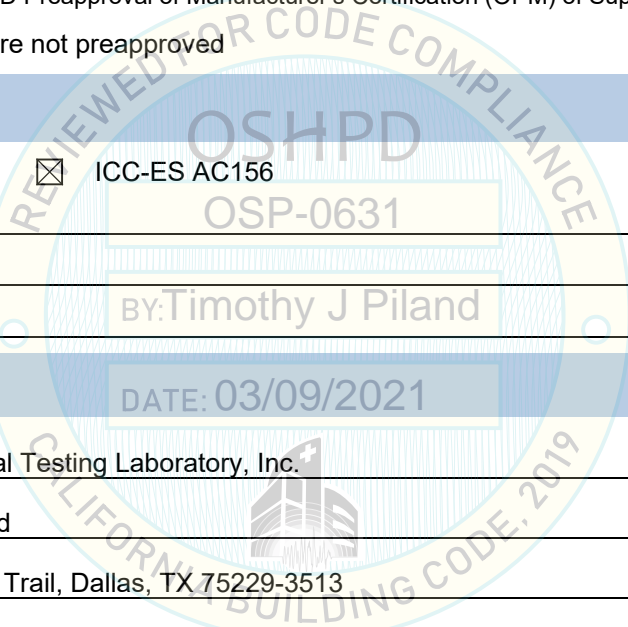
Testing Laboratory

Company Name: Environmental Testing Laboratory, Inc.

Contact Name: Brady Richard

Mailing Address: 11034 Indian Trail, Dallas, TX 75229-3513

Telephone: (972) 247-9657 Email: brady@etldallas.com





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FACILITIES DEVELOPMENT DIVISION**

Seismic Parameters

Design in accordance with ASCE 7-10 Chapter 13: Yes No

Design Basis of Equipment or Components (F_p/W_p) = See Attachment 1, Tables 1 & 2

S_{DS} (Design spectral response acceleration at short period, g) = See Attachment 1, Tables 1 & 2

a_p (In-structure equipment or component amplification factor) = See Attachment 1, Tables 1 & 2

R_p (Equipment or component response modification factor) = See Attachment 1, Tables 1 & 2

Ω_0 (System overstrength factor) = See Attachment 1, Tables 1 & 2

I_p (Importance factor) = **1.5**

z/h (Height factor ratio) = See Attachment 1, Tables 1 & 2

Equipment or Component Natural Frequencies (Hz) = See Attachment 2

Overall dimensions and weight (or range thereof) = See Attachment 1, Tables 1 & 2

Equipment or Components @ grade designed in accordance with ASCE 7-10 Chapter 15: Yes No

Design Basis of Equipment or Components (V/W) = _____

S_{DS} (Design spectral response acceleration at short period, g) = _____

S_{D1} (Design spectral response acceleration at 1 second period, g) = _____

R (Response modification coefficient) = _____

Ω_0 (System overstrength factor) = _____

C_d (Deflection amplification factor) = _____

I_p (Importance factor) = **1.5**

Height to Center of Gravity above base = _____

Equipment or Component Natural Frequencies (Hz) = _____

Overall dimensions and weight (or range thereof) = _____

Tank(s) designed in accordance with ASME BPVC, 2015: Yes No

List of Attachments Supporting Special Seismic Certification

Test Report(s) Drawings Calculations Manufacturer's Catalog

Other(s) (Please Specify): ATTACHMENTS 1 & 2

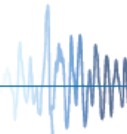
OSHPD Approval (For Office Use Only) – Approval Expires on December 31, 2025

Signature: Date: March 9, 2021

Print Name: Timothy J. Piland Title: SSE

Special Seismic Certification Valid Up to: S_{DS} (g) = See Above z/h = See Above

Condition of Approval (if applicable): _____



ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

ATTACHMENT PAGE | 1 OF 3

TABLE 1:

Manufacturer		CANON MEDICAL SYSTEMS CORPORATION									
System		Aquilion Prime SP (TSX-303B/8)									
		Approx. Dimensions [in]			Wt. [lb]	Mount	Basis ^[1]	F _P /W _P	a _P	R _P	Ω ₀
Component	Model No.	W	D	H							
CT GANTRIES											
Aquilion CT Scanner Gantry - Type D	CGGT-032A/3A	84.7	34.25	73	4061	Rigid Base	UUT-1703-4	2.40 1.13	1	1 ½	2
w/ Optional Gantry Rear Operating Panel Kit	CAGP-002A/3B										
Aquilion CT Scanner Gantry - Type D	CGGT-032A/4A	89.4	37.8	75.8	5171	Rigid Base	INT	2.40 1.13	1	1 ½	2
w/ Optional Gantry Rear Operating Panel Kit	CAGP-002A/3B										
Aquilion CT Scanner Gantry - Type G	CGGT-039A/1A	89.4	37.8	75.8	5171	Rigid Base	UUT-1906-2	2.40 1.13	1	1 ½	2
w/ Optional Gantry Rear Operating Panel Kit	CAGP-003A/2B										
w/ Optional Area Finder	CGAP-001A/1B										
PATIENT COUCHES											
Patient Couch - High Capacity – Extended ^[2]	CBTB-032A/1A	26	113.8 - 197.7	18.5 - 41.0	1512 ^[4]	Rigid Base	UUT-1303-2A	2.40 1.13	1	1 ½	2
Patient Couch - High Capacity – Extended ^[2]	CBTB-032A/8A	26	113.8 - 197.7	18.5 - 41.0	1512	Rigid Base	SAME AS UUT-1303-2A	2.40 1.13	1	1 ½	2
Patient Couch – High Capacity – Extended	CBTB-032A/8A	26.0	113.8 - 197.7	18.5 - 41.0	1950 ^[4]	Rigid Base	UUT-2006-1	2.40 1.13	1	1 ½	2
w/ Optional Lateral Movement Kit	CALU-001A/6B										
w/ Optional CT Fluoro ^[3]	TSXF-004A/3B										
Patient Couch - High Capacity - Extended	CBTB-032A/8A	26	113.8 - 197.7	18.5 - 41.0	1512	Rigid Base	INT	2.40 1.13	1	1 ½	2
w/ Optional Lateral Movement Kit	CALU-001A/6B	---	---	3.5	396						
Patient Couch - High Capacity - Compact	CBTB-032B/8A	26	94.1 - 158.4	18.5 - 41.0	1445	Rigid Base	INT	2.40 1.13	1	1 ½	2
w/ Optional Lateral Movement Kit	CALU-001A/6B	---	---	3.5	396						
Patient Couch - High Capacity – Compact ^[2]	CBTB-032B/8A	26	94.1 - 158.4	18.5 - 41.0	1445	Rigid Base	INT	2.40 1.13	1	1 ½	2
Patient Couch – High Capacity – Compact	CBTB-032B/8A	26.0	94.1 - 158.4	22.3 - 41	1893	Rigid Base	INT	2.40 1.13	1	1 ½	2
w/ Optional Lateral Movement Kit	CALU-001A/6B										
w/ Optional CT Fluoro ^[3]	TSXF-004A/4B										

Table continued next page

ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

ATTACHMENT PAGE | 2 OF 3

TABLE 1:

Manufacturer		CANON MEDICAL SYSTEMS CORPORATION										S _{DS} = 2.0 at z/h = 1	
System		Aquilion Prime SP (TSX-303B/8)										S _{DS} = 2.5 at z/h = 0	
Component	Model No.	Approx. Dimensions [in]			Wt. [lb]	Mount	Basis ^[1]	F _P /W _P	a _P	R _P	Ω ₀		
		W	D	H									
PATIENT COUCHES (continued)													
Patient Couch – High Capacity – Compact ^[2]	CBTB-032B/8A	26.0	94.1 - 158.4	18.5 - 41	1497	Rigid Base	INT	2.40 1.13	1	1 ½	2		
w/ Optional CT Fluoro ^[3]	TSXF-004A/4B												
Patient Couch – High Capacity – Extended ^[2]	CBTB-032A/8A	26.0	113.8 - 197.7	18.5 - 41.0	1554 ^[4]	Rigid Base	UUT-2006-2	2.40 1.13	1	1 ½	2		
w/ Optional CT Fluoro ^[3]	TSXF-004A/3B												
CONSOLE COMPONENTS													
Con Box - Type B ^[5]	CKCN-020C/1B	23.2	37.6	53.7	617	Rigid Base	UUT-2002-7	1.44 1.13	1	2 ½	2		
Con Box - Type B ^[5]	CKCN-020C/1B	23.2	37.6	53.7	651	Rigid Base	UUT-2002-8	1.44 1.13	1	2 ½	2		
w/ Optional Display Console Kit	CGS-72B/1B												
NAVI Box – Type A ^[6]	CKCN-017B/2B	7.9	12.2	13.8	28	CTA	UUT-1703-5	1.44 1.13	1	2 ½	2		
NAVI Box – Type A ^[6]	CKCN-020C/1B	7.9	12.2	13.8	28	CTA	SAME AS UUT-1703-5	1.44 1.13	1	2 ½	2		
POWER DISTRIBUTION													
Power Distributor - Type D	CETF-006C/2A	33.5	26.8	48.8	1238	Rigid Base	UUT-1703-7	1.44 1.13	1	2 ½	2		
w/ Optional UPS Kit for Power Distributor	CEUC-001B/4B												
USER INTERFACE													
Monitor (Mfr: EIZO)	MX-192	16.3	8.1	16.1 - 21.5	13	CTA	UUT-1603-6	1.44 1.13	1	2 ½	2		
Keyboard (scan)	BSX74-2866-01*B	21	9.25	3.0	7	CTA	UUT-1901-8	1.44 1.13	1	2 ½	2		
Keyboard (scan)	BSX74-2866-01*D	21	9.25	3.0	7	CTA	SAME AS UUT-1901-8	1.44 1.13	1	2 ½	2		
Keyboard (display)	BSX74-2866-02*A	21	9.25	3.0	7	CTA	UUT-1603-13	1.44 1.13	1	2 ½	2		
Keyboard (display)	BSX74-2866-02*D	21	9.25	3.0	7	CTA	SAME AS UUT-1603-13	1.44 1.13	1	2 ½	2		

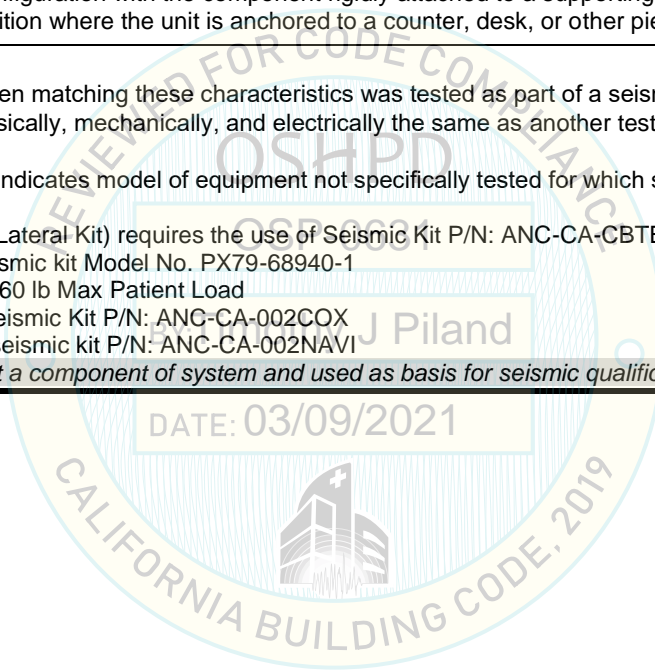
Table continued next page

ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS


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TABLE 1:

<i>Manufacturer</i>	CANON MEDICAL SYSTEMS CORPORATION										$S_{DS} = 2.0$ at $z/h = 1$	
<i>System</i>	Aquilion Prime SP (TSX-303B/8)										$S_{DS} = 2.5$ at $z/h = 0$	
Component	Model No.	Approx. Dimensions [in]			Wt. [lb]	Mount	Basis ^[1]	F_p/W_p	a_p	R_p	Ω_0	
		W	D	H								
<i>Mount</i>	<u>Rigid Base:</u> free-standing, base-mounted configuration with the component rigidly attached to a supporting structure and no lateral support above the base. <u>CTA (Countertop Anchored):</u> refers to a condition where the unit is anchored to a counter, desk, or other piece of rigid fixed furniture.											
<i>Notes</i>	<ol style="list-style-type: none"> BASIS: <ul style="list-style-type: none"> “UUT-#” indicates that a test specimen matching these characteristics was tested as part of a seismic test program. “SAME” indicates component is physically, mechanically, and electrically the same as another test specimen with differences limited to model number, color, and/or software. “INT” (Interpolated or Extrapolated) indicates model of equipment not specifically tested for which seismic qualification is established through testing of similar models in the product line. Patient Couch – High Capacity (without Lateral Kit) requires the use of Seismic Kit P/N: ANC-CA-CBTB032 CT Fluoro Option requires the use of seismic kit Model No. PX79-68940-1 Patient Couch weight does not include 660 lb Max Patient Load Con Box – Type B requires the use of Seismic Kit P/N: ANC-CA-002COX NAVI Box – Type A requires the use of seismic kit P/N: ANC-CA-002NAVI <i>Gray italic formatting indicates unit is not a component of system and used as basis for seismic qualification only.</i> 											




ATTACHMENT 2: TEST SPECIMEN SUMMARY


UUT-1303-2A Patient Couch – High Capacity Extended						
MANUFACTURER:		Toshiba Medical Systems Corporation				
IDENTIFICATION:		Model No.: CBTB-032A SUP Symbol: /1A S/N: 1AA1362015				
DESCRIPTION:		Component of the Aquilion PRIME SP System. Also common to other Aquilion CT systems				
MOUNTING:		Rigid Base (Floor) Mounted: (6) – 5/8" dia. Grade 8 Hex Head Bolts to aluminum interface plate.				
						
PROPERTIES:						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	X-Axis	Y-Axis	Z-Axis
26	113.75 min – 197.9 max	18.5 min – 41 max	1512 + 660 Patient Load	2.8	14.0	6.1
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2019 CBC
S _{DS} (G)	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
2.6	1.0	1.5	4.16	3.12	1.74	0.70
Unit satisfied ICC-ES AC-156 requirements for structural integrity and function following Multifrequency Seismic test phase.						


UUT-1603-6 Monitor (EIZO)						
MANUFACTURER:		EIZO				
IDENTIFICATION:		Model No.: MX-192				
DESCRIPTION:		Component common to all Aquilion CT systems. Unit full of contents during test.				
MOUNTING:		Counter Top Anchor (CTA) mounted using (4) - #8 x 1" flat head construction screws w/ 15/32 O.D. countersink grommet into 3/4" thick plywood.				
						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
16.3	8.1	16.1-21.5	13	4.7	5.5	23.7
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2019 CBC
S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.6	1	1.5	4.16	3.12	1.74	0.70
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-1603-13 Keyboard						
MANUFACTURER: Toshiba Medical Systems Corporation						
IDENTIFICATION: Model No.: BSX74-2866-02*A						
DESCRIPTION: Component common to all Aquilion CT systems. Unit full of contents during test.						
MOUNTING: Rigid Base mounted using (2) lines of 1" x 19" Velcro brand Industrial hook & loop tape space 5.5" apart applied to rear face of specimen and test plate.						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Front -Axis	Side-Axis	Vert-Axis
21	9.25	3	7	31	42.5	26.8
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2019 CBC
S _{Ds} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.6	1	1.5	4.16	3.12	1.74	0.70
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						


UUT- 1703-4 Aquilion CT Scanner Gantry – Type D						
MANUFACTURER: Toshiba Medical Systems Corporation						
IDENTIFICATION: Model No.: CGGT-032A/3A Serial No.: 3AA1782026						
DESCRIPTION: Component of the Aquilion Prime SP CT Scanner system.						
MOUNTING: Rigid Base (Floor) Mounted using (8) – 5/8" dia SAE J429 Grade 8 Bolts w/ washers. (Torque- 60 ft-lb)						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Front-Axis	Side-Axis	Vert-Axis
84.7	34.25	73	4060.5	24.24	7.84	7.58
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2019 CBC
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-1703-7 Power Distributor – Type D						
MANUFACTURER: Toshiba Medical Systems Corporation						
IDENTIFICATION: Model No.: CETF-006C/2A Serial No.: 2AA1782012						
DESCRIPTION: Component of the Aquilion Prime SP CT Scanner system. Includes optional UPS Kit for Power Distributor (CEUC-001B/4B) Modifications to standard production unit: Seismic kit (Model # ANC-CA-001PD) provided and installed by Toshiba.						
MOUNTING: Rigid Base (Floor) Mounted using: (3) – ½" dia. SAE J429 Grade 8 Bolts (Torque = 40 ft-lb) to fixture. (3) – M12-12.9 bolts w/ 45mm OD x 3mm thick washers and hex head nuts (Torque = 84 N-m) to cabinet. Typical each of 2 brackets.						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Front-Axis	Side-Axis	Vert-Axis
33.5	26.8	48.8		1238	43.77	9.89
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2019 CBC
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-1703-5 NAVI Box – Type A						
MANUFACTURER: Canon Medical Systems Corporation						
IDENTIFICATION: Model No.: CKCN-017B / 2B S/N.: 2BA1782026						
DESCRIPTION: Component of the Aquilion Prime SP CT System Requires the use of seismic kit P/N: ANC-CA-002NAVI						
MOUNTING: CTA (Countertop Attached) Mounted: (4) – #10 panhead coarse thread sheet metal screws into ¾" plywood						
PROPERTIES:						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	X-Axis	Y-Axis	Z-Axis
7.9	12.2	13.8		28	>50	44.99
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2019 CBC
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	3.20	2.40	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-1901-8 Keyboard						
MANUFACTURER: Canon Medical Systems Corporation						
IDENTIFICATION: Model No.: BSX74-2866-01*B						
S/N.: G5000234						
DESCRIPTION: Component of the Aquilion Precision CT System Requires use of seismic kit P/N ANC-CA-002NAVI						
MOUNTING: <u>Countertop Attached Mounted:</u> (2) 1" x 7.5" INDUSTRIAL STRENGTH HOOK AND LOOP						
PROPERTIES:						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	X-Axis	Y-Axis	Z-Axis
20.5	3.5	9.5	6.5	>50	35.36	36.20
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2019 CBC
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	OSP-3.20	2.40	1.68	0.68
2.5	0					
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						


UUT-1906-2 Aquilion CT Scanner Gantry – Type G						
MANUFACTURER: Canon Medical Systems Corporation						
IDENTIFICATION: Model No.: CGGT-039A/1A						
S/N.: 1AA1967001						
DESCRIPTION: Component of the Aquilion Lightning 40/80/160 CT System <u>Includes Rear Operating Panel Kit:</u> Model No.: CAGP-003A/2B; S/N: 2BA1967001 <u>Includes Area Finder:</u> Model No.: CGAP-001A/1B; S/N: 1BB1967003						
MOUNTING: <u>Rigid Base (Floor) Mounted:</u> (6) – 3/4" dia. SAE J429 Grade 5 Hex Head Bolts to aluminum interface plate.						
PROPERTIES:						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	X-Axis	Y-Axis	Z-Axis
89.4	37.8	75.8	5171	7.42	8.73	11.15
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2019 CBC
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	3.20	2.40	1.68	0.68
2.5	0					
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						


ATTACHMENT 2: TEST SPECIMEN SUMMARY

UUT-2002-7 Con Box – Type B						
MANUFACTURER: Canon Medical Systems Corporation						
IDENTIFICATION: Model No.: CKCN-020C / 1B						
S/N.: 1BA1977001						
DESCRIPTION: Component of the Aquilion Prime SP CT System						
Requires Seismic Kit P/N: ANC-CA-002COX						
MOUNTING: Rigid Base (Floor) Mounted: (4) – 3/8" dia. SAE J429 Grade 5 Hex Head Bolts to aluminum interface plate.						
PROPERTIES:						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	X-Axis	Y-Axis	Z-Axis
23.2	37.6	53.7	617	> 50	22.90	13.21
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2019 CBC
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	3.20	2.40	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

UUT-2002-8 Con Box - Type B w/ Optional Display Console Kit						
MANUFACTURER: Canon Medical Systems Corporation						
IDENTIFICATION: Model No.: CKCN-020C / 1B						
S/N.: 1BA1977001						
DESCRIPTION: Component of the Aquilion Prime SP CT System						
Includes Optional Display Console Kit Model No.: CGS-72B / 1B; Serial No.: 1BA1977001						
Requires Seismic Kit P/N: ANC-CA-002COX						
MOUNTING: Rigid Base (Floor) Mounted: (4) – 3/8" dia. SAE J429 Grade 5 Hex Head Bolts to aluminum interface plate.						
PROPERTIES:						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	X-Axis	Y-Axis	Z-Axis
23.2	37.6	53.7	652	> 50	19.05	12.36
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2019 CBC
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	3.20	2.40	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-2006-1 Patient Couch – High Capacity – Extended w/ Lateral & CT Fluoro Options						
MANUFACTURER: Canon Medical Systems Corporation						
IDENTIFICATION: Model No.: CBTB-032A / 8A Serial No.: 8AB2067003						
DESCRIPTION: Component of the Aquilion ONE PRISM, Aquilion ONE GENESIS, and Aquilion Prime SP Systems <u>Includes Lateral Movement Unit</u> Model No.: CALU-001A / 6B; Serial No.: 6BB2052147 <u>Includes CT Fluoro Option</u> Model No.: TSXF-004A / 3B; Serial No.: 3BA2062034 *Tested Depth = 152" **Tested Height = 34"						
MOUNTING: Rigid Base (Floor) Mounted: (6) – 5/8" dia. SAE J429 Grade 5 Hex Head Bolts to aluminum interface plate.						
PROPERTIES:						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	X-Axis	Y-Axis	Z-Axis
26.0	113.8 – 197.7*	18.5 – 41.0**	1950	8.25	3.29	6.86
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2019 CBC
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	3.20	2.40	1.68	0.68
2.5	0					
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

UUT-2006-2 Patient Couch – High Capacity – Extended w/ CT Fluoro Option						
MANUFACTURER: Canon Medical Systems Corporation						
IDENTIFICATION: Model No.: CBTB-032A / 8A Serial No.: 8AB2067003						
DESCRIPTION: Component of the Aquilion ONE PRISM, Aquilion ONE GENESIS, and Aquilion Prime SP Systems <u>Includes CT Fluoro Option</u> Model No.: TSXF-004A / 3B; Serial No.: 3BA2062034 *Tested Depth = 152" **Tested Height = 34"						
MOUNTING: Rigid Base (Floor) Mounted: (6) – 5/8" dia. SAE J429 Grade 5 Hex Head Bolts to aluminum interface plate.						
PROPERTIES:						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	X-Axis	Y-Axis	Z-Axis
26.0	113.8 – 197.7*	18.5 – 41.0**	1554	8.88	3.13	8.71
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2019 CBC
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	3.20	2.40	1.68	0.68
2.5	0					
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						