



DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION  
OFFICE OF STATEWIDE HOSPITAL PLANNING AND DEVELOPMENT

APPLICATION FOR HCAI SPECIAL SEISMIC  
CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP-0439

HCAI Special Seismic Certification Preapproval (OSP)

Type: ☐ New ☒ Renewal

Manufacturer Information

Manufacturer: Siemens Medical Solutions USA, Inc.

Manufacturer's Technical Representative: Michael Dulude

Mailing Address: 40 Liberty Boulevard, Malvern, PA 19355

Telephone: (888) 826-9702

Email: michael.dulude@siemens-healthineers.com

Product Information

Product Name: Biograph mCT, Biograph mCT Flow, Biograph mCT Flow Edge; Biograph Horizon; Biograph Vision 600, Biograph Vision 600 Edge, Biograph Vision 450, Biograph Vision 450 Edge

Product Model Number(s): See Attachment 1

Product Category: CT Systems

Product Sub-Category: CT Systems

General Description: Multiple component systems for the provision of combined X-Ray Computed Tomography (CT) and Positron Emission Tomography (PET) medical imaging. Special Seismic Certification is limited to components listed in Attachment 1, Tables 1-3 for functions related to CT imaging.

Mounting Description: Several - 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: j.roberson@easeco.com

Title: Principal 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 75229-3513

Telephone: (972) 247-9657

Email: jeremy@etldallas.com

BY: Mohammad Karim

DATE: 12/05/2025



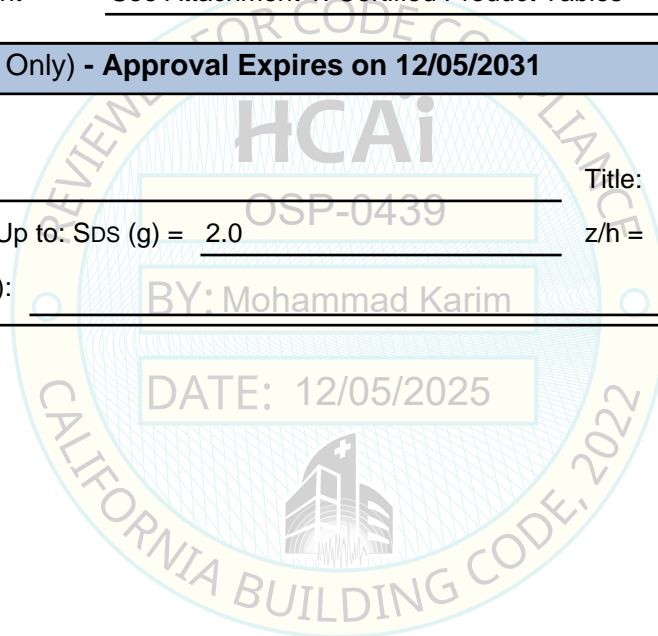
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**Seismic Parameters**

Design Basis of Equipment or Components ( $F_p/W_p$ ) =	See Attachment 1: Certified Product Tables
Sds (Design spectral response acceleration at short period, g) =	2.0
$a_p$ (Amplification factor) =	See Attachment 1: Certified Product Tables
$R_p$ (Response modification factor) =	See Attachment 1: Certified Product Tables
$\Omega_0$ (System overstrength factor) =	2.0
$I_p$ (Importance factor) =	1.5
$z/h$ (Height ratio factor) =	1
Natural frequencies (Hz) =	See Attachment 2
Overall dimensions and weight =	See Attachment 1: Certified Product Tables

**HCAI Approval (For Office Use Only) - Approval Expires on 12/05/2031**

Date:	12/5/2025		
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: CERTIFIED PRODUCT TABLES**

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**TABLE 1: BIOGRAPH VISION FAMILY**

System Manufacturer	SIEMENS MEDICAL SOLUTIONS USA, INC.												
System	BIOGRAPH Vision 450 BIOGRAPH Vision 450 Edge												
	BIOGRAPH Vision 600 BIOGRAPH Vision 600 Edge												
COMPONENT	PART NO.	APPROX. DIMENSIONS (IN.)			MAX. WT. (LB.)	MOUNT	BASIS <sup>[1]</sup>	F <sub>P</sub> /W <sub>P</sub>	S <sub>DS</sub>	z/h	a <sub>P</sub>	R <sub>P</sub>	Ω <sub>0</sub>
		W	D	H									
PET-CT GANTRY													
Biograph Vision 600 Edge <sup>[8][10]</sup>	10749672	92.3	53.5	80.2	6701 <sup>[9]</sup>	Floor	UUT D1817-1	2.40	2.0	1	1	1 ½	2
Asm PET Gantry, Vision 600 (8 ring)													
Definition Edge CT Gantry for PET													
Biograph Vision 600 <sup>[8][10]</sup>	10749670	92.3	53.5	80.2	6701 <sup>[9]</sup>	Floor	INT	2.40	2.0	1	1	1 ½	2
Asm PET Gantry, Vision 600 (8 ring)													
Definition AS 64 CT Gantry for PET													
Biograph Vision 450 Edge <sup>[8][10]</sup>	10749671	92.3	52.8	80.1	6639 <sup>[9]</sup>	Floor	INT	2.40	2.0	1	1	1 ½	2
Asm PET Gantry, Vision 450 (6 ring)													
Definition Edge CT Gantry for PET													
Biograph Vision 450 (6 Ring/AS64) <sup>[8][10]</sup>	10749669	92.3	52.8	80.1	6639 <sup>[9]</sup>	Floor	UUT E1926-1	2.40	2.0	1	1	1 ½	2
6-Ring PET Gantry													
Definition AS 64 CT Gantry for PET													
PATIENT TABLES													
mCT Patient Handling System <sup>[5][6]</sup>	10529199	16	148	46	1560 <sup>[2]</sup>	Floor	UUT 1507-2	2.40	2.0	1	1	1 ½	2
mCT Patient Handling System <sup>[5][6]</sup> (Acadia, NEO V Control Rack)	10749470	16	148	46	1560 <sup>[2]</sup>	Floor	UUT C1734-1	2.40	2.0	1	1	1 ½	2
POWER DISTRIBUTION													
Vision cPDU	10749598	21.7	35.4	66.3	951	Floor	UUT D1817-3	1.44	2.0	1	1	2 ½	2
Power Distribution Cabinet (PDC)	08366465	35.4	27.2	76.8	1231	Wall/Floor	UUT B1614-8	1.44	2.0	1	1	2 ½	2
Power Distribution Cabinet (PDC)	08366465	35.4	32.2	76.8	1326 <sup>[11]</sup>	Wall/Floor	UUT E1926-2	1.44	2.0	1	1	2 ½	2
w/ Cable Management Rack	10530286												
USER INTERFACE													
Image Control System (ICS) Tower 13E	11062028	6.9	16.5	15.1	26	Floor	UUT D1817-4	1.44	2.0	1	1	2 ½	2
Image Control System (ICS) Tower 14E by Fujitsu <sup>[7]</sup>	11513972	7.0	11.9	14.6	17.5	Floor	UUT F2510-1	1.44	2.0	1	1	2 ½	2

Table continues next page

**ATTACHMENT 1: CERTIFIED PRODUCT TABLES**

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**TABLE 1: BIOGRAPH VISION FAMILY**

System Manufacturer		SIEMENS MEDICAL SOLUTIONS USA, INC.											
System		BIOGRAPH Vision 450 BIOGRAPH Vision 450 Edge <span style="float: right;">BIOGRAPH Vision 600 BIOGRAPH Vision 600 Edge</span>											
COMPONENT	PART NO.	APPROX. DIMENSIONS (IN.)			MAX. WT. (LB.)	MOUNT	BASIS <sup>[1]</sup>	F <sub>P</sub> /W <sub>P</sub>	S <sub>DS</sub>	z/h	a <sub>P</sub>	R <sub>P</sub>	Ω <sub>0</sub>
		W	D	H									
Image Control System (ICS) <sup>[7]</sup> Tower 15E by HP	11513979	6.7	15.2	14	15.5	Floor	UUT G2509-2	1.44	2.0	1	1	2 ½	2
Image Reconstruction System (IRS) 4 B Configuration mx4b	10890634	7	26.2	20	58	Floor	UUT B1614-3	1.44	2.0	1	1	2 ½	2
Image Reconstruction System (IRS) 4 C Configuration mx4c	10890635	7	26.2	20	53	Floor	UUT B1614-7	1.44	2.0	1	1	2 ½	2
Image Reconstruction System (IRS) 4 D Configuration mx4d	10890636	7	26.2	20	61	Floor	UUT B1614-4	1.44	2.0	1	1	2 ½	2
Image Reconstruction System (IRS) mx5b	10590111	8.5	25.5	17.5	62	Floor	UUT E1926-3	1.44	2.0	1	1	2 ½	2
Image Reconstruction System (IRS) mx5c	10590112	8.5	25.5	17.5	57	Floor	UUT E1926-4	1.44	2.0	1	1	2 ½	2
Image Reconstruction System (IRS) mx6b <sup>[7]</sup>	11652205	6.5	20.9	18.5	45	Floor	UUT F2510-2	1.44	2.0	1	1	2 ½	2
19" LCD Monitor, DSC1913-D	10656056	16.5	8.3	16.1/18.2	17.5	Rigid Base	UUT B1614-5	1.44	2	1	1	2 ½	2
<b>COOLING SYSTEM</b>													
ASM, CWC Cabinet	10749716	21.7	35.3	66.0	446	Floor	UUT D1817-2	1.44	2.0	1	1	2 ½	2
Mount	<b>FLOOR (RIGID BASE):</b> a free-standing, base mounted condition with the component rigidly attached to a supporting structure and no lateral support above the base. <b>WALL/FLOOR (RIGID BASE):</b> a base mounted condition with the component rigidly attached to a supporting structure and additional support at the top to an adjacent wall.												
Notes	1. BASIS: <ul style="list-style-type: none"> <li>UUT#: Indicates that a test specimen matching these characteristics was tested as part of this testing program.</li> <li>SAME: Model is physically, mechanically &amp; electrically the same as test specimen. Difference is limited to model number, color, software and/or GE manufacturing location.</li> <li>INT (Interpolate/Extrapolate): indicates a model that was not specifically tested, and by which seismic certification is established through evaluation of testing of other, similar models in the product line</li> </ul> 2. Patient Bed weight includes all listed options but excludes 415 lb. simulated patient load present during testing and 652 lb. mounting plate, which is part of the Seismic Damper Kit. 3. All components in table are manufactured by Siemens Healthcare unless otherwise noted. 4. Special Seismic Certification limited to CT imaging only. 5. Requires use of Cover Set (P/N: 10749871, 10528539 or 10751077), and Cover Hardware Kit (P/N: 10250116). 6. Requires use of Siemens Seismic Damper Kits (P/N:10506201 and 10506217), and Seismic Install Kit – mCT: (P/N: 10504127 and 10251356) or equivalent. 7. Requires the use of Siemens Seismic Mounting Kit Model No.: 10432402 8. Requires use of Seismic Plates (P/N 10504127) 9. Gantry weight includes 490lb Seismic Plates 10. Requires use of Seismic Install Kit, 10750045. 11. Weight includes cable management rack (42 LB) and weight of cables (126 LB).												



**ATTACHMENT 1: CERTIFIED PRODUCT TABLES**

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**TABLE 2: BIOGRAPH HORIZON FAMILY**

System Manufacturer	SIEMENS MEDICAL SOLUTIONS USA, INC.													
System	BIOGRAPH Horizon 3-Ring                      BIOGRAPH Horizon 4-Ring PET/CT													
COMPONENT	PART NO.	APPROX. DIMENSIONS (IN.)			MAX. WT. (LB.)	MOUNT	BASIS <sup>[1]</sup>	F <sub>P</sub> /W <sub>P</sub>	S <sub>DS</sub>	z/h	a <sub>P</sub>	R <sub>P</sub>	Ω <sub>0</sub>	
		W	D	H										
PET-CT GANTRY														
Biograph Horizon PET/CT Gantry <sup>[9]</sup>	10532746					Floor	UUT A1523-1	2.40	2.0	1	1	1 ½	2	
Horizon 3 Ring PET Gantry	10532494	92.3	11.3	80.2	2302									
Perspective CT Gantry for PET	10891666	89.56	26.75	71.65	2993									
Biograph Horizon PET/CT Gantry <sup>[9]</sup>	10532748					Floor	UUT A1523-2	2.40	2.0	1	1	1 ½	2	
Horizon 4 Ring PET Gantry	10532307	92.3	11.3	80.2	2387									
Perspective CT Gantry for PET	10891666	89.56	26.75	71.65	2993									
PATIENT TABLES														
Horizon Patient Handling System <sup>[5][7]</sup> (Acadia, M3.1 Control Rack)	10749480	16	148	46	1560 <sup>[2]</sup>	Floor	UUT C1734-2	2.40	2.0	1	1	1 ½	2	
Horizon Patient Handling System <sup>[5][7]</sup> (M3.1 Control Rack)	11217117	16	148	46	1560 <sup>[2]</sup>	Floor	INT	2.40	2.0	1	1	1 ½	2	
Horizon Patient Handling System <sup>[5][7]</sup>	10533010	16	148	46	1560 <sup>[2]</sup>	Floor	UUT 1507-1	2.40	2.0	1	1	1 ½	2	
POWER DISTRIBUTION														
Line Control Box	10165884	11.8	29.5	32	248.5	Floor	UUT A1401-5	1.44	2.0	1	1	2 ½	2	
Power Distribution Computer Cabinet (PDCC)	11519082	44.0	35.0	63.8	1226.5	Floor	UUT E2002-1	1.44	2.0	1	1	2 ½	2	
MARS Z8G4	10752891													
IRS	11268053													
UPS 9Px5000 (QTY 2)	10530975													
EtherPET Switch	10749750													
Power Distribution Computer Cabinet (PDCC)	11519082	44.0	35.0	63.8	1223	Floor	UUT G2509-1	1.44	2.0	1	1	2 ½	2	
MARS Z8G5	11652342													
IRS Tower 14P	11513975													
UPS, 9PX5KG2, 5KVA (QTY 2)	11715931													
EtherPET Switch	10749750													

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**ATTACHMENT 1: CERTIFIED PRODUCT TABLES**

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**TABLE 2: BIOGRAPH HORIZON FAMILY**

System Manufacturer		SIEMENS MEDICAL SOLUTIONS USA, INC.												
System		BIOGRAPH Horizon 3-Ring						BIOGRAPH Horizon 4-Ring PET/CT						
COMPONENT	PART NO.	APPROX. DIMENSIONS (IN.)			MAX. WT. (LB.)	MOUNT	BASIS <sup>[1]</sup>	F <sub>P</sub> /W <sub>P</sub>	S <sub>DS</sub>	z/h	a <sub>P</sub>	R <sub>P</sub>	Ω <sub>0</sub>	
		W	D	H										
USER INTERFACE														
Image Control System (ICS) Tower 12B	10864201	7.4	18.9	16.9	34	Floor	UUT A1523-3	1.44	2.0	1	1	2 ½	2	
Image Control System (ICS) Tower 13B	11062026	6.9	16.5	15.6	26.5	Floor	UUT E2002-2	1.44	2.0	1	1	2 ½	2	
Image Reconstruction System (IRS) G1	10661000	7	25.5	17.75	61	Floor	UUT B1401-4	1.44	2.0	1	1	2 ½	2	
Image Reconstruction System (IRS) G2	10928210	7	27.5	21.3	50	Floor	UUT B1518-4	1.44	2.0	1	1	2 ½	2	
Image Control System (ICS) (Tower 14BM) by Fujitsu <sup>[8]</sup>	11513971	7.1	13.0	14.8	17.7	Floor	UUT F2319-1	1.44	2.0	1	1	2 ½	2	
19" LCD Monitor, DSC1913-D	10656056	16.5	8.3	16.1/18.2 5	17.5	Rigid Base	UUT B1614-5	1.44	2	1	1	2 ½	2	
Mount	FLOOR (RIGID BASE): a free-standing, base mounted condition with the component rigidly attached to a supporting structure and no lateral support above the base. WALL/FLOOR (RIGID BASE): a base mounted condition with the component rigidly attached to a supporting structure and additional support at the top to an adjacent wall.													
Notes	1. BASIS: <ul style="list-style-type: none"><li>• UUT#: Indicates that a test specimen matching these characteristics was tested as part of this testing program.</li><li>• SAME: Model is physically, mechanically &amp; electrically the same as test specimen. Difference is limited to model number, color, software and/or GE manufacturing location.</li><li>• INT (Interpolate/Extrapolate): indicates a model that was not specifically tested, and by which seismic certification is established through evaluation of testing of other, similar models in the product line</li></ul> 2. Patient Bed weight includes all listed options but excludes 415 lb. simulated patient load present during testing and 652 lb. mounting plate, which is part of the Seismic Damper Kit.													
	3. All components in table are manufactured by Siemens Healthcare unless otherwise noted.													
	4. Special Seismic Certification is limited to CT imaging only.													
	5. Requires use of Cover Set (P/N: 10749871, 10528539 or 10751077), and Cover Hardware Kit (P/N: 10250116).													
	6. NOT USED.													
	7. Requires use of Siemens Seismic Damper Kits (P/N:10506201 and 10506217), and Seismic Install Kit – Horizon: (P/N: 10748527 and 10748528) or equivalent.													
	8. Requires the use of Siemens Seismic Mounting Kit Model No.: 10432402													
	9. Requires use of Seismic Plates (P/N 10748527)													

**ATTACHMENT 1: CERTIFIED PRODUCT TABLES**

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**TABLE 3: BIOGRAPH MCT FAMILY**

System Manufacturer		SIEMENS MEDICAL SOLUTIONS USA, INC.													
System		BIOGRAPH mCT					BIOGRAPH mCT FLOW					BIOGRAPH mCT FLOW Edge			
COMPONENT	PART NO.	APPROX. DIMENSIONS (IN.)			MAX. WT. (LB.)	MOUNT	BASIS <sup>[1]</sup>	F <sub>P</sub> /W <sub>P</sub>	S <sub>DS</sub>	z/h	a <sub>P</sub>	R <sub>P</sub>	Ω <sub>0</sub>		
		W	D	H											
PET-CT GANTRY															
Biograph Horizon PET/CT Gantry <sup>[9][10]</sup>	10532748					Floor	UUT A1523-2	2.40	2.0	1	1	1 ½	2		
Horizon 4 Ring PET Gantry	10532307	92.3	11.3	80.2	2387										
Perspective CT Gantry for PET	10891666	89.56	26.75	71.65	2993										
Biograph mCT Excel <sup>[8]</sup>	10507786	92.28	53.54	80.16	7169	Floor	INT	2.40	2.0	1	1	1 ½	2		
mCT 3 Ring PET Gantry (PET)															
Definition AS 20-Slice CT for PET															
Biograph mCT S(20)-3R <sup>[8]</sup>	10534159	92.28	53.54	80.16	7169	Floor	INT	2.40	2.0	1	1	1 ½	2		
mCT 3 Ring PET Gantry (PET)															
Definition AS 20-Slice CT for PET															
Biograph mCT S(20)-4R <sup>[8]</sup>	10534160	92.28	53.54	80.16	7184	Floor	INT	2.40	2.0	1	1	1 ½	2		
mCT 4 Ring PET Gantry (PET)															
Definition AS 20-Slice CT for PET															
Biograph mCT S(40)-3R <sup>[8]</sup>	10248668	92.28	53.54	80.16	7169	Floor	INT	2.40	2.0	1	1	1 ½	2		
mCT 3 Ring PET Gantry (PET)															
Definition AS 40-Slice CT for PET															
Biograph mCT S(40)-4R <sup>[8]</sup>	10248671	92.28	53.54	80.16	7184	Floor	INT	2.40	2.0	1	1	1 ½	2		
mCT 4 Ring PET Gantry (PET)															
Definition AS 40-Slice CT for PET															
Biograph mCT S(64)-3R <sup>[8]</sup>	10248669	92.28	53.54	80.16	7169	Floor	INT	2.40	2.0	1	1	1 ½	2		
mCT 3 Ring PET Gantry (PET)															
Definition AS 64-Slice CT for PET															
Biograph mCT S(64)-4R <sup>[8]</sup>	10248672	92.28	53.54	80.16	7184	Floor	INT	2.40	2.0	1	1	1 ½	2		
mCT 4 Ring PET Gantry (PET)															
Definition AS 64-Slice CT for PET															
Biograph mCT X-3R <sup>[8]</sup>	10248673	92.28	53.54	80.16	7169	Floor	INT	2.40	2.0	1	1	1 ½	2		
mCT 3 Ring PET Gantry (PET)															
Definition AS 128-Slice CT for PET															

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**ATTACHMENT 1: CERTIFIED PRODUCT TABLES**

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**TABLE 3: BIOGRAPH MCT FAMILY**

System Manufacturer		SIEMENS MEDICAL SOLUTIONS USA, INC.												
System		BIOGRAPH mCT	BIOGRAPH mCT FLOW					BIOGRAPH mCT FLOW Edge						
COMPONENT	PART NO.	APPROX. DIMENSIONS (IN.)			MAX. WT. (LB.)	MOUNT	BASIS <sup>[1]</sup>	F <sub>P</sub> /W <sub>P</sub>	S <sub>DS</sub>	z/h	a <sub>P</sub>	R <sub>P</sub>	Ω <sub>0</sub>	
		W	D	H										
Biograph mCT X-4R <sup>[8]</sup>	10248670	92.28	53.54	80.16	7184	Floor	INT	2.40	2.0	1	1	1 ½	2	
mCT 4 Ring PET Gantry (PET)														
Definition AS 128-Slice CT for PET														
Biograph mCT Flow 20-3R <sup>[8]</sup>	10528956	92.28	53.54	80.16	7169	Floor	INT	2.40	2.0	1	1	1 ½	2	
mCT 3 Ring PET Gantry (PET)														
Definition AS 20-Slice CT for PET														
Biograph mCT Flow 20-4R <sup>[8]</sup>	10528958	92.28	53.54	80.16	7184	Floor	INT	2.40	2.0	1	1	1 ½	2	
mCT 4 Ring PET Gantry (PET)														
Definition AS 20-Slice CT for PET														
Biograph mCT Flow 40-3R <sup>[8]</sup>	10529158	92.28	53.54	80.16	7169	Floor	INT	2.40	2.0	1	1	1 ½	2	
mCT 3 Ring PET Gantry (PET)														
Definition AS 40-Slice CT for PET														
Biograph mCT Flow 40-4R <sup>[8]</sup>	10529159	92.28	53.54	80.16	7184	Floor	INT	2.40	2.0	1	1	1 ½	2	
mCT 4 Ring PET Gantry (PET)														
Definition AS 40-Slice CT for PET														
Biograph mCT Flow 64-3R <sup>[8]</sup>	10529160	92.28	53.54	80.16	7169	Floor	INT	2.40	2.0	1	1	1 ½	2	
mCT 3 Ring PET Gantry (PET)														
Definition AS 64-Slice CT for PET														
Biograph mCT Flow 64-4R <sup>[8]</sup>	10529161	92.28	53.54	80.16	7184	Floor	INT	2.40	2.0	1	1	1 ½	2	
mCT 4 Ring PET Gantry (PET)														
Definition AS 64-Slice CT for PET														
Biograph mCT Flow Edge-3R <sup>[8]</sup>	10528954	92.28	53.54	80.16	7169	Floor	INT	2.40	2.0	1	1	1 ½	2	
mCT 3 Ring PET Gantry (PET)														
Definition Edge 128-Slice CT for PET														
Biograph mCT Flow Edge-4R <sup>[8]</sup>	10528955	92.28	53.54	80.16	7184	Floor	UUT B1614-1	2.40	2.0	1	1	1 ½	2	
mCT 4 Ring PET Gantry (PET)														
Definition Edge 128-Slice CT for PET														

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**ATTACHMENT 1: CERTIFIED PRODUCT TABLES**

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**TABLE 3: BIOGRAPH MCT FAMILY**

System Manufacturer	SIEMENS MEDICAL SOLUTIONS USA, INC.													
System	BIOGRAPH mCT					BIOGRAPH mCT FLOW					BIOGRAPH mCT FLOW Edge			
COMPONENT	PART NO.	APPROX. DIMENSIONS (IN.)			MAX. WT. (LB.)	MOUNT	BASIS <sup>[1]</sup>	F <sub>P</sub> /W <sub>P</sub>	S <sub>DS</sub>	z/h	a <sub>P</sub>	R <sub>P</sub>	Ω <sub>0</sub>	
		W	D	H										
PATIENT TABLES														
mCT Patient Handling System <sup>[5][6]</sup>	10529199	16	148	46	1560 <sup>[2]</sup>	Floor	UUT 1507-2	2.40	2.0	1	1	1 ½	2	
mCT Patient Handling System (Acadia, NEO V Control Rack) <sup>[5][6]</sup>	10749470	16	148	46	1560 <sup>[2]</sup>	Floor	UUT C1734-1	2.40	2.0	1 0	1	1 ½	2	
POWER DISTRIBUTION														
Power Distribution Cabinet (PDC)	08366465	35.4	27.2	76.8	1231	Wall/Floor	UUT B1614-8	1.44	2.0	1	1	2 ½	2	
Power Distribution Cabinet (PDC)	08366465	35.4	32.2	76.8	1326 <sup>[12]</sup>	Wall/Floor	UUT E1926-2	1.44	2.0	1	1	2 ½	2	
w/ Cable Management Rack	10530286													
USER INTERFACE														
Image Control System (ICS) Tower 11E	10590814	8.5	20.5	17.5	53	Floor	UUT 1507-3	1.44	2.0	1	1	2 ½	2	
Image Control System (ICS) Tower 12E	10864203	7.375	19	17	34	Floor	UUT B1417-5	1.44	2.0	1	1	2 ½	2	
Image Control System (ICS) Tower 13E	11062028	6.9	16.5	15.1	26	Floor	UUT D1817-4	1.44	2.0	1	1	2 ½	2	
Image Control System (ICS) Tower 14E <sup>[7]</sup>	11513972	7.0	11.9	14.6	17.5	Floor	UUT F2510-1	1.44	2.0	1	1	2 ½	2	
Image Control System (ICS) Tower 15E by HP <sup>[7]</sup>	11513979	6.7	15.2	14	15.5	Floor	UUT G2509-2	1.44	2.0	1	1	2 ½	2	
Image Reconstruction System (IRS) 3 C Configuration (IRS mx3c)	10187110	12.6	29.9	20.9	102	Floor	UUT 1507-4	1.44	2.0	1	1	2 ½	2	
Image Reconstruction System (IRS) 3 B Configuration (IRS mx3b)	10187109	12.6	29.9	20.9	119	Floor	INT	1.44	2.0	1	1	2 ½	2	
Image Reconstruction System (IRS) 3 D Configuration (IRS mx3d)	10187111	12.6	28.0	20.9	119	Floor	UUT 1507-5	1.44	2.0	1	1	2 ½	2	
Image Reconstruction System (IRS) 4 B Configuration mx4b	10890634	7	26.2	20	58	Floor	UUT B1614-3	1.44	2.0	1	1	2 ½	2	
Image Reconstruction System (IRS) 4 C Configuration mx4c	10890635	7	26.2	20	53	Floor	UUT B1614-7	1.44	2	1	1	2 ½	2	
Image Reconstruction System (IRS) 4 D Configuration mx4d	10890636	7	26.2	20	61	Floor	UUT B1614-4	1.44	2.0	1	1	2 ½	2	
Image Reconstruction System (IRS) IRSmx3d	10431954	12.2	30.7	19.7	109	Floor	UUT B1417-6	1.44	2.0	1	1	2 ½	2	

Table continues next page

**ATTACHMENT 1: CERTIFIED PRODUCT TABLES**


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**TABLE 3: BIOGRAPH MCT FAMILY**

System Manufacturer		SIEMENS MEDICAL SOLUTIONS USA, INC.											
System		BIOGRAPH mCT				BIOGRAPH mCT FLOW				BIOGRAPH mCT FLOW Edge			
COMPONENT	PART NO.	APPROX. DIMENSIONS (IN.)			MAX. WT. (LB.)	MOUNT	BASIS <sup>[1]</sup>	F <sub>P</sub> /W <sub>P</sub>	S <sub>DS</sub>	z/h	a <sub>P</sub>	R <sub>P</sub>	Ω <sub>0</sub>
		W	D	H									
Image Reconstruction System (IRS) mx5b	10590111	8.5	25.5	17.5	62	Floor	UUT E1926-3	1.44	2.0	1	1	2 ½	2
Image Reconstruction System (IRS) mx5c	10590112	8.5	25.5	17.5	57	Floor	UUT E1926-4	1.44	2.0	1	1	2 ½	2
Image Reconstruction System (IRS) mx6b <sup>[7]</sup>	11652205	6.5	20.9	18.5	45	Floor	UUT F2510-2	1.44	2.0	1	1	2 ½	2
19" LCD Monitor, DSC1913-D	10656056	16.5	8.3	16.1 / 18.25	17.5	Rigid Base	UUT B1614-5	1.44	2	1	1	2 ½	2
<b>Mount</b>		<b>FLOOR (RIGID BASE):</b> a free-standing, base mounted condition with the component rigidly attached to a supporting structure and no lateral support above the base. <b>WALL/FLOOR (RIGID BASE):</b> a base mounted condition with the component rigidly attached to a supporting structure and additional support at the top to an adjacent wall.											
<b>Notes</b>		<ol style="list-style-type: none"> <li><b>BASIS:</b> <ul style="list-style-type: none"> <li>UUT#: Indicates that a test specimen matching these characteristics was tested as part of this testing program.</li> <li>SAME: Model is physically, mechanically &amp; electrically the same as test specimen. Difference is limited to model number, color, software and/or GE manufacturing location.</li> <li>INT (Interpolate/Extrapolate): indicates a model that was not specifically tested, and by which seismic certification is established through evaluation of testing of other, similar models in the product line</li> </ul> </li> <li>Patient Bed weight includes all listed options but excludes 415 lb. simulated patient load present during testing and 652 lb. mounting plate, which is part of the Seismic Damper Kit.</li> <li>All components in table are manufactured by Siemens Healthcare unless otherwise noted.</li> <li>Special Seismic Certification limited to CT imaging only.</li> <li>Requires use of Cover Set (P/N: 10749871, 10528539 or 10751077), and Cover Hardware Kit (P/N: 10250116).</li> <li>Requires use of Siemens Seismic Damper Kits (P/N:10506201 and 10506217), and Seismic Install Kit – mCT: (P/N: 10504127 and 10251356) or equivalent.</li> <li>Requires the use of Siemens Seismic Mounting Kit Model No.: 10432402</li> <li>Requires use of Seismic Plates (P/N 10504127)</li> <li>Requires use of Seismic Plates (P/N 10748527)</li> <li>Component not used with these systems; it is included only to provide basis for interpolation.</li> </ol>											

**ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS**

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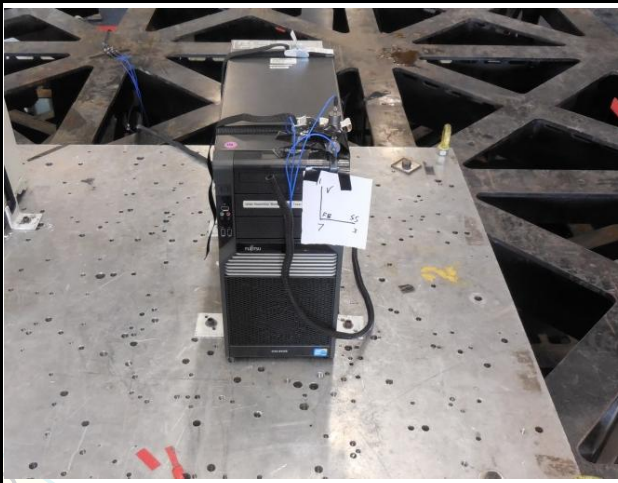
UUT-1507-1				Horizon PHS					
MANUFACTURER:		Siemens Medical Solutions USA, Inc.							
IDENTIFICATION:		Model No.: 10533010							
DESCRIPTION:		Component of Biograph Horizon PET-CT System. Contents were included in testing per operating conditions.							
MOUNTING:		Floor mounted using (30) – ½" diameter SAE J429 Grade 8 bolts to interface frame.							
									
PROPERTIES:									
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)					
Width	Depth	Height	Weight (lb.)	Front-Axis	Side-Axis	Vert-Axis			
16	148	46	1560 + 415 patient	3.7	48.4	4.6			
SHAKE TABLE TEST PARAMETERS									
CODE	TEST CRITERIA	S <sub>DS</sub> (g)	z/h	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)	
CBC 2022	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	1.34	0.54	
Unit maintained structural integrity and remained functional per manufacturer requirement after the AC156 test.									

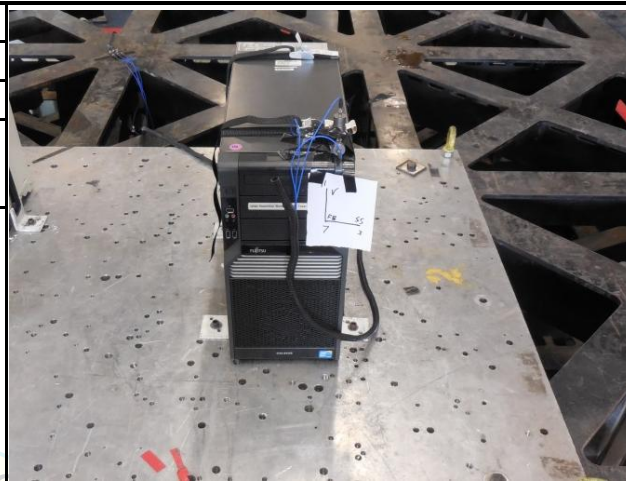
UUT-1507-2				mCT PHS				
MANUFACTURER:		Siemens Medical Solutions USA, Inc.						
IDENTIFICATION:		Model No.: 10529199						
DESCRIPTION:		Component of Biograph mCT & mCT Flow PET-CT System. Contents were included in testing per operating conditions.						
MOUNTING:		Floor mounted using (30) – ½" diameter SAE J429 Grade 8 bolts to interface frame.						
								
PROPERTIES:								
DIMENSIONS (in.)			Weight (lb.)	LOWEST RESONANT FREQUENCY (Hz.)				
Width	Depth	Height		Front-Axis	Side-Axis	Vert-Axis		
16	148	46		1560 + 415 patient	3.6	47.9	4.6	
SHAKE TABLE TEST PARAMETERS								
CODE	TEST CRITERIA	S <sub>DS</sub> (g)	z/h	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)
CBC 2022	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	1.34	0.54
Unit maintained structural integrity and remained functional per manufacturer requirement after the AC156 test.								

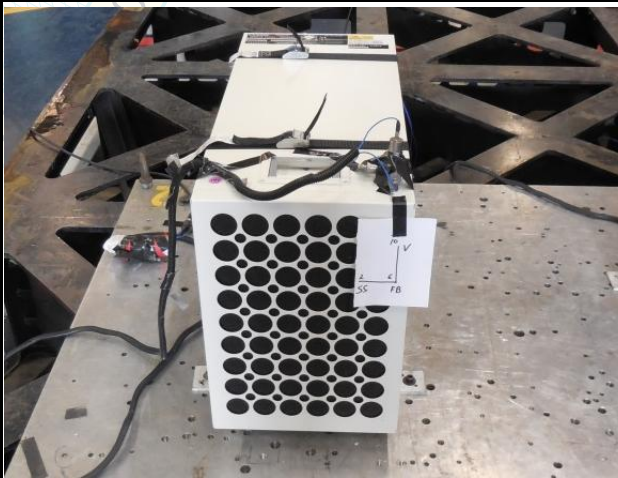


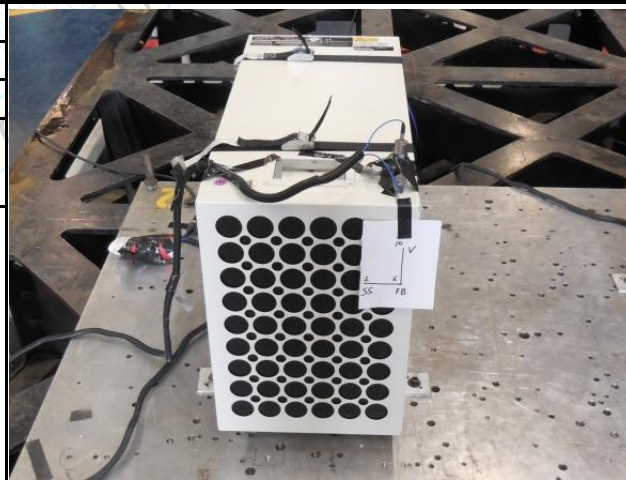
**ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS**

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UUT-1507-3 ICS Tower 11															
MANUFACTURER:		Fujitsu													
IDENTIFICATION:		Model No.: 10590814													
DESCRIPTION:		Component of Biograph mCT Flow PET-CT System. Contents were included in testing per operating conditions.													
MOUNTING:		<p>Rigid Base (Floor) Mounted using a strap assembly at front and rear. Each strap assembly consisting of: 1" wide nylon strap w/ metal cam buckle (50 lb tension / 200 lb WLL) looped through slots in vertical legs of (2) – L2½ x 2½ x ¼ x 0'-2½" brackets positioned snug against unit.</p> <p>Each bracket attached w/ 3/8" diameter Allen Head cap screw threaded into aluminum plate. (1 set ea. front &amp; rear, 4 bolts total.)</p>													
															
								PROPERTIES:							
								DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)			
								Width	Depth	Height	Weight (lb.)	Transverse-Axis	Longitudinal-Axis	Vertical-Axis	
								8.5	20.5	17.5	53	25.0	37.9	>50	
SHAKE TABLE TEST PARAMETERS															
CODE	TEST CRITERIA	S <sub>DS</sub> (g)	z/h	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)							
CBC 2022	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	1.34	0.54							
Unit maintained structural integrity and remained functional per manufacturer requirement after the AC156 test.															




UUT-1507-4				IRS 3C				
MANUFACTURER:		Siemens Medical Solutions USA, Inc.						
IDENTIFICATION:		Model No.:		10187110				
DESCRIPTION:		Component of Biograph mCT Flow PET-CT System. Contents were included in testing per operating conditions.						
MOUNTING:		<p>Rigid Base (Floor) Mounted using a strap assembly at front and rear. Each strap assembly consisting of: 1" wide nylon strap w/ metal cam buckle (50 lb tension / 200 lb WLL) looped through slots in vertical legs of (2) – L2½ x 2½ x ¼ x 0'-2½" brackets positioned snug against unit.</p> <p>Each bracket attached w/ 3/8" diameter Allen Head cap screw threaded into aluminum plate. (1 set ea. front &amp; rear, 4 bolts total.)</p>						
								
PROPERTIES:								
DIMENSIONS (in.)				Weight (lb.)	LOWEST RESONANT FREQUENCY (Hz.)			
Width	Depth	Height	Transverse-Axis		Longitudinal-Axis	Vertical-Axis		
12.6	29.9	20.9	21.9		32.7	41.0		
SHAKE TABLE TEST PARAMETERS								
CODE	TEST CRITERIA	S <sub>DS</sub> (g)	z/h	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)
CBC 2022	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	1.34	0.54
Unit maintained structural integrity and remained functional per manufacturer requirement after the AC156 test.								






**ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS**

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UUT-1507-5				IRS 3D				
MANUFACTURER:		Siemens Medical Solutions USA, Inc.						
IDENTIFICATION:		Model No.:		10187111				
DESCRIPTION:		Component of Biograph mCT Flow PET-CT System. Contents were included in testing per operating conditions.						
MOUNTING:		<p>Rigid Base (Floor) Mounted using a strap assembly at front and rear. Each strap assembly consisting of: 1" wide nylon strap w/ metal cam buckle (50 lb tension / 200 lb WLL) looped through slots in vertical legs of (2) – L2½ x 2½ x ¼ x 0'-2½"brackets positioned snug against unit.</p> <p>Each bracket attached w/ 3/8" diameter Allen Head cap screw threaded into aluminum plate. (1 set ea. front &amp; rear, 4 bolts total.)</p>						
								
PROPERTIES:								
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)				
Width	Depth	Height	Weight (lb.)	Front-Axis	Side-Axis	Vert-Axis		
12.6	28	20.9	119	19.8	32.1	35.4		
SHAKE TABLE TEST PARAMETERS								
CODE	TEST CRITERIA	S <sub>DS</sub> (g)	z/h	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)
CBC 2022	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	1.34	0.54
Unit maintained structural integrity and remained functional per manufacturer requirement after the AC156 test.								



UUT-A1523-1    Horizon 3-Ring PET- CT Gantry								
MANUFACTURER:		Siemens Medical Solutions USA, Inc.						
IDENTIFICATION:		PET Model No.: 10532494						
		CT Model No.: 10891666						
DESCRIPTION:		Component of Biograph Horizon PET-CT System. Contents were included in testing per operating conditions.						
MOUNTING:		Rigid Base (Floor) Mounted using: (32) ½” dia SAE J429 Grade 8 bolts.						
								
PROPERTIES:								
DIMENSIONS (in.)			Weight (lb.)	LOWEST RESONANT FREQUENCY (Hz.)				
Width	Depth	Height		Front-Axis	Side-Axis	Vert-Axis		
PET    92.3	11.3	80.2		8.3	6.8	25.8		
CT    89.6	26.8	71.7						
			5795 (includes 500lb mounting plate)					
SHAKE TABLE TEST PARAMETERS								
CODE	TEST CRITERIA	S <sub>DS</sub> (g)	z/h	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)
CBC 2022	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	1.34	0.54
Unit maintained structural integrity and remained functional per manufacturer requirement after the AC156 test.								



**ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS**

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**UUT-A1523-2 Horizon 4-Ring PET- CT Gantry**

MANUFACTURER:	Siemens Medical Solutions USA, Inc.
IDENTIFICATION:	PET Model No.: 10532307
	CT Model No.: 10891666
DESCRIPTION:	Component of Biograph Horizon PET-CT System. Contents were included in testing per operating conditions.
MOUNTING:	Rigid Base (Floor) Mounted using: (32) ½" dia SAE J429 Grade 8 bolts.

**PROPERTIES:**

DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Front-Axis	Side-Axis	Vert-Axis
PET 92.3	11.3	80.2	5880 (includes 500lb mounting plate)	7.7	6.7	25.3
CT 89.6	26.8	71.7				

**SHAKE TABLE TEST PARAMETERS**

CODE	TEST CRITERIA	S <sub>DS</sub> (g)	z/h	I <sub>P</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)
CBC 2022	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	1.34	0.54

Unit maintained structural integrity and remained functional per manufacturer requirement after the AC156 test.

**UUT-A1523-3 Image Control System (ICS)**

MANUFACTURER:	Fujitsu
IDENTIFICATION:	Model No.: 10864201
DESCRIPTION:	Component of Biograph Horizon PET-CT System. Contents were included in testing per operating conditions.
MOUNTING:	Rigid Base (Floor) Mounted using a strap assembly at front and rear. Each strap assembly consisting of: 1" wide nylon strap w/ metal cam buckle (50 lb tension / 200 lb WLL) looped through slots in vertical legs of (2) – L2½" x 2½" x ¼" x 0'-2½" steel brackets positioned snug against unit.  Each bracket attached w/ 3/8" diameter Allen Head cap screw threaded into aluminum plate. (1 set ea. front & rear, 4 bolts total.)

**PROPERTIES:**

DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Front-Axis	Side-Axis	Vert-Axis
7 – 3/8	18 – 7/8	16 – 7/8	34	24.7	42.7	>50

**SHAKE TABLE TEST PARAMETERS**

CODE	TEST CRITERIA	S <sub>DS</sub> (g)	z/h	I <sub>P</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)
CBC 2022	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	1.34	0.54

Unit maintained structural integrity and remained functional per manufacturer requirement after the AC156 test.

**ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS**

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<b>UUT-A1401-5 LCB (LINE CONTROL BOX)</b>								
<b>MANUFACTURER:</b>		Siemens Medical Solutions USA, Inc.						
<b>IDENTIFICATION:</b>		Model No.: 10165884						
<b>DESCRIPTION:</b>		Component of SOMATOM Perspective CT System. Contents were included in testing per operating conditions.						
<b>MOUNTING:</b>		Floor mounted using (4) – 3/8" dia GR 8 Allen head cap bolts through holes tapped in aluminum interface plate.						
<b>PROPERTIES:</b>								
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)				
Width	Depth	Height	Weight (lb.)	F/B Axis	S/S Axis	Vert Axis		
11.75	29.375	31.5	248.5	13.9	25.3	>50		
<b>SHAKE TABLE TEST PARAMETERS</b>								
CODE	TEST CRITERIA	S <sub>DS</sub>	z/h	I <sub>P</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2022	ICC-ES AC156-10	2.0	1.0	1.5	3.20	2.40	1.34	0.54
Unit maintained structural integrity and remained functional per manufacturer requirement after the AC156 test.								



<b>UUT-B1614-1 MCT 4 Ring PET Gantry (PET) with Definition EDGE (CT)</b>								
<b>MANUFACTURER:</b>		Siemens Medical Solutions USA, Inc.						
<b>IDENTIFICATION:</b>		Model No.: 10528955						
<b>DESCRIPTION:</b>		System component of the Biograph MCT PET-CT System. Contents were included in testing per operating conditions.						
<b>MOUNTING:</b>		Rigid Base (Floor) Mounted using (32) -1/2" dia SAE J429 Grade 8 bolts.						
<b>PROPERTIES:</b>								
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)				
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis		
92.3	53.5	80.2	7184	8.3	6.6	23.8		
<b>SHAKE TABLE TEST PARAMETERS</b>								
CODE	TEST CRITERIA	S <sub>DS</sub> (G)	z/h	I <sub>P</sub>	A <sub>FLX-H</sub> (G)	A <sub>RIG-H</sub> (G)	A <sub>FLX-V</sub> (G)	A <sub>RIG-V</sub> (G)
CBC 2022	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	1.34	0.54
Unit maintained structural integrity and remained functional per manufacturer requirement after the AC156 test.								





**ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS**

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**UUT-B1614-3 Image Reconstruction System (IRS) mx4b**

MANUFACTURER:	Siemens Medical Solutions USA, Inc.
IDENTIFICATION:	
	Model No.: 10890634
	Serial No.: LBH18B0279
DESCRIPTION:	System component of the Biograph MCT PET-CT System. Contents were included in testing per operating conditions.
MOUNTING:	Rigid Base (Floor) Mounted using: using (2) strap sets, each consisting of 1" wide nylon strap w/ metal cinch (200 lb WLL) looped through slots in vertical legs of (2) – L2½ x 2½ x ¼ x 0'-2½" brackets positioned snug against unit.  Each bracket attached w/ 3/8" dia. ASTM A574 Socket Head Cap Screws threaded into aluminum plate. (1 set ea. front & rear, 4 bolts total.)

**PROPERTIES:**

DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Front-Axis	Side-Axis	Vert-Axis
7	26.2	20	58	>50	40.2	>50

**SHAKE TABLE TEST PARAMETERS**

CODE	TEST CRITERIA	S <sub>DS</sub> (G)	z/h	I <sub>P</sub>	A <sub>FLX-H</sub> (G)	A <sub>RIG-H</sub> (G)	A <sub>FLX-V</sub> (G)	A <sub>RIG-V</sub> (G)
CBC 2022	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	1.34	0.54

Unit maintained structural integrity and remained functional per manufacturer requirement after the AC156 test.

**UUT-B1614-4 Image Reconstruction System mx4d**

MANUFACTURER:	Siemens Medical Solutions USA, Inc.
IDENTIFICATION:	
	Model No.: 10890636
	Serial No.: LBF78D0209
DESCRIPTION:	System component of the Biograph MCT PET-CT System. Contents were included in testing per operating conditions.
MOUNTING:	Rigid Base (Floor) Mounted using: using (2) strap sets, each consisting of 1" wide nylon strap w/ metal cinch (200 lb WLL) looped through slots in vertical legs of (2) – L2½ x 2½ x ¼ x 0'-2½" brackets positioned snug against unit.  Each bracket attached w/ 3/8" dia. ASTM A574 Socket Head Cap Screws threaded into aluminum plate. (1 set ea. front & rear, 4 bolts total.)

**PROPERTIES:**

DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Front-Axis	Side-Axis	Vert-Axis
7	26.2	20	61	26.7	30.0	31.6

**SHAKE TABLE TEST PARAMETERS**

CODE	TEST CRITERIA	S <sub>DS</sub> (G)	z/h	I <sub>P</sub>	A <sub>FLX-H</sub> (G)	A <sub>RIG-H</sub> (G)	A <sub>FLX-V</sub> (G)	A <sub>RIG-V</sub> (G)
CBC 2022	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	1.34	0.54

Unit maintained structural integrity and remained functional per manufacturer requirement after the AC156 test.

**ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS**

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**UUT-B1614-5 19" LCD Monitor, DSC1913-D**

MANUFACTURER:	Siemens Healthcare
IDENTIFICATION:	
	Model No.: 10656056
	Serial No.: E151510501
DESCRIPTION:	System component of the Biograph MCT PET-CT System. Contents were included in testing per operating conditions.
MOUNTING:	Countertop Anchored using (2) -#10-32 Machine screws through 3/4" plywood w/ nuts & washers on far side.

**PROPERTIES:**

DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Front-Axis	Side-Axis	Vert-Axis
16.5	8.3	16.1 min 18.25 max	17.5	17.6	10.6	18.5

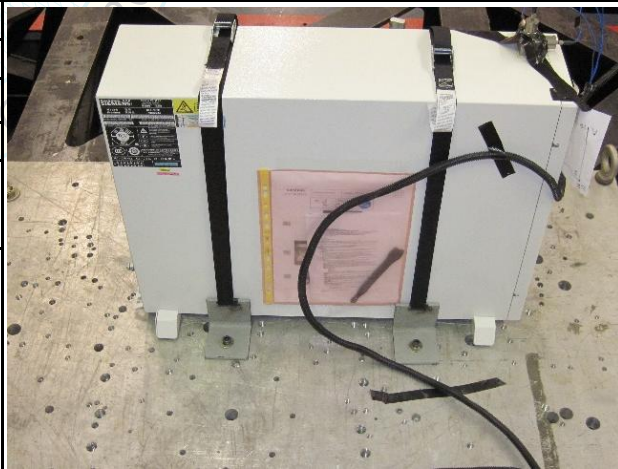
**SHAKE TABLE TEST PARAMETERS**

CODE	TEST CRITERIA	S <sub>DS</sub> (G)	z/h	I <sub>p</sub>	A <sub>FLX-H</sub> (G)	A <sub>RIG-H</sub> (G)	A <sub>FLX-V</sub> (G)	A <sub>RIG-V</sub> (G)
CBC 2022	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	1.34	0.54

Unit maintained structural integrity and remained functional per manufacturer requirement after the AC156 test.

**UUT-B1614-7 Image Reconstruction System (IRS) mx4c**

MANUFACTURER:	Siemens Healthcare
IDENTIFICATION:	
	Model No.: 10890635
	Serial No.: LBF98C0246
DESCRIPTION:	System component of the Biograph MCT PET-CT System. Contents were included in testing per operating conditions.
MOUNTING:	Rigid Base (Floor) Mounted using: using (2) strap sets, each consisting of 1" wide nylon strap w/ metal cinch (200 lb WLL) looped through slots in vertical legs of (2) - L2½ x 2½ x ¼ x 0'-2½" brackets positioned snug against unit.  Each bracket attached w/ 3/8" dia. ASTM A574 Socket Head Cap Screws threaded into aluminum plate. (1 set ea. front & rear, 4 bolts total.)

**PROPERTIES:**

DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Front-Axis	Side-Axis	Vert-Axis
7	26.2	20	53	>50	32.6	44.8

**SHAKE TABLE TEST PARAMETERS**


CODE	TEST CRITERIA	S <sub>DS</sub> (G)	z/h	I <sub>p</sub>	A <sub>FLX-H</sub> (G)	A <sub>RIG-H</sub> (G)	A <sub>FLX-V</sub> (G)	A <sub>RIG-V</sub> (G)
CBC 2022	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	1.34	0.54

Unit maintained structural integrity and remained functional per manufacturer requirement after the AC156 test.



**ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS**

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UUT-B1614-8 Power Distribution Cabinet (PDC)								
MANUFACTURER:		Siemens Medical Solutions USA, Inc.						
IDENTIFICATION:		Model No.: 08366465						
		a—a						
DESCRIPTION:		System component of the Biograph MCT PET-CT System. Contents were included in testing per operating conditions.						
MOUNTING:		Wall/Floor Mounted using: (4) - ½" dia. SAE J429 Grade 8 bolts at base. 7ga. AISI 316 (SS) bracket w/ (4) – ¼" dia. SAE J429 Grade 5 bolts to 16ga. steel wall backing plate. (2)- M12 -Class 4.6 bolts to top of cabinet						
								
PROPERTIES:								
DIMENSIONS (in.)				Weight (lb.)	LOWEST RESONANT FREQUENCY (Hz.)			
Width	Depth	Height	Front-Axis		Side-Axis	Vert-Axis		
35.4	27.2	76.8	45.5		12.8	13.5		
SHAKE TABLE TEST PARAMETERS								
CODE	TEST CRITERIA	S <sub>DS</sub> (G)	z/h	I <sub>p</sub>	A <sub>FLX-H</sub> (G)	A <sub>RIG-H</sub> (G)	A <sub>FLX-V</sub> (G)	A <sub>RIG-V</sub> (G)
CBC 2022	ICC-ES AC156	2.0	1.0	1.5	3.20	2.40	1.34	0.54
Unit maintained structural integrity and remained functional per manufacturer requirement after the AC156 test.								

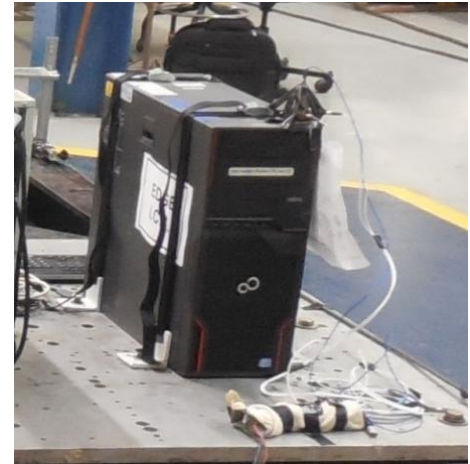
UUT-B1401-4     Image Reconstruction System (IRS) G1									
MANUFACTURER:			Supermicro						
IDENTIFICATION:			Model No.: 10661000						
DESCRIPTION:			Component of SOMATOM Perspective CT System. Contents were included in testing per operating conditions.						
MOUNTING:			Rigid Base (Floor) Mounted using (2) strap sets. Each strap set consisting of 1" wide nylon strap w/ metal cinch (100 lb tension / 200 lb WLL) looped through slots in vertical legs of (2) – L2½ x 2½ x ¼ x 0'-2½" brackets positioned snug against unit.  Each bracket anchored to plywood with (2)-#8 SMS/bracket (8 screws total)						
PROPERTIES:									
DIMENSIONS (in.)			Weight (lb.)	LOWEST RESONANT FREQUENCY (Hz.)					
Width	Depth	Height		Front-Axis	Side-Axis	Vert-Axis			
7	25.5	17.75	61	17.1	25.9	28.7			
SHAKE TABLE TEST PARAMETERS									
CODE	TEST CRITERIA	S <sub>DS</sub> (G)	z/h	I <sub>P</sub>	A <sub>FLX-H</sub> (G)	A <sub>RIG-H</sub> (G)	A <sub>FLX-V</sub> (G)	A <sub>RIG-V</sub> (G)	
CBC 2022	ICC-ES AC156	2.0 2.6	1.0 0.0	1.5	3.2	2.4	1.74	0.70	
Unit maintained structural integrity and remained functional per manufacturer requirement after the AC156 test.									

**ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS**

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**UUT-B1417-5 Image Control System (ICS) Tower 12E**

MANUFACTURER:	Fujitsu
IDENTIFICATION:	Model No.: 10864203
DESCRIPTION:	Component of SOMATOM Definition Edge CT System. Contents were included in testing per operating conditions.
MOUNTING:	Rigid Base (Floor) Mounted using: using (2) strap sets, each consisting of 1" wide nylon strap w/ metal cinch (200 lb WLL) looped through slots in vertical legs of (2) – L2½ x 2½ x ¼ x 0'-2½" brackets positioned snug against unit.  Each bracket attached w/ 3/8" dia. ASTM A574 Socket Head Cap Screws threaded into aluminum plate. (1 set ea. front & rear, 4 bolts total.)

**PROPERTIES:**

DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vertical-Axis
7.375	19	17	34	41.2	28.4	17.2

**SHAKE TABLE TEST PARAMETERS**

CODE	TEST CRITERIA	S <sub>DS</sub>	z/h	I <sub>P</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2022	ICC-ES AC156	2.0	1.0	1.5	3.2	2.4	1.34	0.54

Unit maintained structural integrity and functionality after the ICC-ES AC 156 test

**UUT-B1417-6 Image Reconstruction System (IRS) IRSmx3d**

MANUFACTURER:	Siemens Healthcare
IDENTIFICATION:	Model No.: 10431954
DESCRIPTION:	Component of SOMATOM Definition Edge CT System. Contents were included in testing per operating conditions.
MOUNTING:	Rigid Base (Floor) Mounted using: (2) strap sets, each consisting of 1" wide nylon strap w/ metal cinch (200 lb WLL) looped through slots in vertical legs of (2) – L2½ x 2½ x ¼ x 0'-2½" brackets positioned snug against unit.  Each bracket attached w/ 3/8" dia. ASTM A574 Socket Head Cap Screws threaded into aluminum plate. (1 set ea. front & rear, 4 bolts total.)

**PROPERTIES:**

DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vertical-Axis
12.2	30.7	19.7	109	16.6	25.9	45.3


**SHAKE TABLE TEST PARAMETERS**

CODE	TEST CRITERIA	S <sub>DS</sub>	z/h	I <sub>P</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
CBC 2022	ICC-ES AC156	2.0	1.0	1.5	3.2	2.4	1.34	0.54

Unit maintained structural integrity and functionality after the ICC-ES AC 156 test

**ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS**

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UUT-B1518-4    Image Reconstruction System (IRS) - G2								
MANUFACTURER:		Siemens Healthcare						
IDENTIFICATION:		Model No.: 10928210						
DESCRIPTION:		Component of SOMATOM SCOPE CT System. Contents were included in testing per operating conditions.						
MOUNTING:		<p>Rigid Base (Floor) Mounted using: (2) strap sets, each consisting of 1" wide nylon strap w/ metal cinch (200 lb WLL) looped through slots in vertical legs of (2) – L2½ x 2½ x ¼ x 0'-2½" brackets positioned snug against unit.</p> <p>Each bracket attached w/ 3/8" dia. ASTM A574 Socket Head Cap Screws threaded into aluminum plate. (1 set ea. front &amp; rear, 4 bolts total.)</p>						
								
PROPERTIES:								
DIMENSIONS (in.)				Weight (lb.)	LOWEST RESONANT FREQUENCY (Hz.)			
Width	Depth	Height	Transverse-Axis		Longitudinal-Axis	Vertical-Axis		
7	27.5	21.3	50	25.3	42.3	44.1		
SHAKE TABLE TEST PARAMETERS								
CODE	TEST CRITERIA	S <sub>DS</sub> (g)	z/h	I <sub>p</sub>	A <sub>FLX-H</sub> (g)	A <sub>RIG-H</sub> (g)	A <sub>FLX-V</sub> (g)	A <sub>RIG-V</sub> (g)
CBC 2022	ICC-ES AC156	2.5 2.0	0 1	1.5	2.50 3.20	1.00 2.40	1.68 1.34	0.68 0.54
Unit maintained structural integrity and remained functional per manufacturer requirement								

UUT-C1734-1 mCT Patient Handling System (PHS)							
MANUFACTURER:		Siemens Medical Solutions USA, Inc.					
IDENTIFICATION:		Model No.: 10749470					
		Serial No.: 104					
DESCRIPTION:		Component of mCT PET-CT Systems Installed Options: Acadia, NEO V Rack Cover Set (P/N: 10749871) Seismic Damper Kits (P/N:10506201 and 10506217), and Seismic Install Kit – mCT: (P/N: 10504127 and 10251356)					
MOUNTING:		Rigid Base (Floor) Mounted using (30) – ½" diameter SAE J429 Grade 8 bolts to interface frame.					
DIMENSIONS (in.)				Weight (lb.)	LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Side-Axis		Front-Axis	Vertical-Axis	
16	148	46	1560	4.1	>50	5.1	
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2022 CBC	
S <sub>DS</sub>	z/h	I <sub>P</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>	
2.0	1	1.5	3.20	2.40	1.68	0.68	
2.5	0						
Unit maintained structural integrity and remained functional per manufacturer requirement.							



**ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS**

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**UUT-C1734-2 Horizon Patient Handling System (PHS)**

MANUFACTURER:	Siemens Medical Solutions USA, Inc.
IDENTIFICATION:	Model No.: 10749480
	Serial No.: 104
DESCRIPTION:	Component of Horizon PET-CT Systems Installed Options: Acadia, M3.1 Rack Cover Set (P/N: 10749871) Seismic Damper Kits (P/N: 10506201 and 10506217), and Seismic Install Kit – Horizon: (P/N: 10748527 and 10748528)
MOUNTING:	Rigid Base (Floor) Mounted using (30) – ½" diameter SAE J429 Grade 8 bolts to interface frame.



DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vertical-Axis
16	148	46	1560	4.1	>50	5.1

## ICC-ES AC156 SHAKE TABLE TEST PARAMETERS

CODE: 2022 CBC

S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
2.0	1	1.5	3.20	2.40	1.68	0.68
2.5	0					

Unit maintained structural integrity and remained functional per manufacturer requirement.

**UUT-D1817-1 Biograph Vision 600 Edge PET-CT Gantry**

MANUFACTURER:	Siemens Medical Solutions USA, Inc.
IDENTIFICATION:	Model No.: 10749672
	Serial No.: NONE
DESCRIPTION:	Production Equivalent Unit Component of the Biograph Vision 600 Edge PET-CT System 8-Ring PET Gantry (Part no. 10749774) CT Gantry (Edge CT gantry for PET) (Part no. 10750761) – Water Cooled PET & CT gantries Gantry Filled to Standard Operating Level for Test Seismic Plates Part No. 10504127 (for anchorage) Unit Modified at test facility to address anomalies. These modifications were subsequently released in Siemens Seismic Install Kit, Part No. 10750045. Installed weight below includes 490lb Seismic Plates.
MOUNTING:	Rigid Base (Floor) Mounted using (32) – ½" diameter SAE J429 Grade 8 bolts through seismic plates to interface frame.



DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vertical-Axis
92.3	53.5	80.2	6701 (SMS) 6855 (ETL)	11.15	6.48	21.43

## ICC-ES AC156 SHAKE TABLE TEST PARAMETERS


CODE: 2022 CBC


S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
2.0	1	1.5	3.20	2.40	1.68	0.68
2.5	0					

Unit maintained structural integrity and remained functional per manufacturer requirement.

**ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS**

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UUT-D1817-2 ASM, CWC Cabinet						
MANUFACTURER:						
IDENTIFICATION:						
Model No.: 10749716 – Rev.06						
Serial No.: NONE						
DESCRIPTION:						
Component of the Biograph Vision 600 Edge PET-CT System Production Equivalent Unit CWC (Cooling Water Cabinet) Unit was filled with cooling fluid to normal operation level.						
MOUNTING:						
Rigid Base (Floor) Mounted using (4) – ½" diameter SAE J429 Grade 8 bolts each side (8 bolts total). (2) – 1/4" thick ASTM A1011/A1011M external mounting brackets, each secured to cabinet w/ (4) – 3/8" SAE J429 Grade 5 bolts (P/N 10749716 and 10749598). This assembly ships with each unit.						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vertical-Axis
21.7	35.3	66.0	446 (Reported) 454 (Measured)	9.44	17.79	27.80
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS				CODE: 2022 CBC		
S <sub>DS</sub>	z/h	I <sub>P</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
2.0	1	1.5	3.20	2.40	1.68	0.68
2.5	0					
Unit maintained structural integrity and remained functional per manufacturer requirement.						


UUT-D1817-3 Vision cPDU						
MANUFACTURER:			Siemens Medical Solutions USA, Inc.			
IDENTIFICATION:			Model No.: 10749598			
			Serial No.: 563326			
DESCRIPTION:			Component of the Biograph Vision 600 Edge PET-CT System cPDU (Common Power Distribution Unit) including: – MTE Corporation Power Conditioner (Part No. 6650014) – EATON 9PX 6000 UPS – EATON 9PX EMB Extended Battery Module – NETGEAR Prosafe 16 Port Gigabit Switch			
MOUNTING:			Rigid Base (Floor) Mounted using (4) – ½" diameter SAE J429 Grade 8 bolts each side (8 bolts total).			
						
DIMENSIONS (in.)			Weight (lb.)	LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height		Side-Axis	Front-Axis	Vertical-Axis
21.7	35.4	66.3	951	9.13	10.91	26.73
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						
S <sub>DS</sub>	z/h	I <sub>P</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
2.0	1	1.5	3.20	2.40	1.68	0.68
2.5	0					
Unit maintained structural integrity and remained functional per manufacturer requirement.						



**ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS**

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UUT-D1817-4 Image Control System (ICS) Tower 13E						
MANUFACTURER:		Fujitsu Technology Solutions GmbH				
IDENTIFICATION:		Model No.: 11062028				
		Serial No.: 1225				
DESCRIPTION:		Component of the Biograph Vision 600 Edge PET-CT System Fujitsu Celsius W550 Power M15W				
MOUNTING:		<p>Rigid Base (Floor) Mounted using: using (2) strap sets, each consisting of 1" wide nylon strap w/ metal cinch (200 lb WLL) looped through slots in vertical legs of (2) – L2½ x 2½ x ¼ x 0'-2½"brackets positioned snug against unit.</p> <p>Each bracket attached w/ 3/8" dia. ASTM A574 Socket Head Cap Screws threaded into aluminum plate.</p>				
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vertical-Axis
6.9	16.5	15.1	26	44.72	44.64	>50
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS				CODE: 2022 CBC		
S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
2.0	1	1.5	3.20	2.40	1.68	0.68
2.5	0					
Unit maintained structural integrity and remained functional per manufacturer requirement.						




UUT-E1926-1 Biograph Vision 450 (6 Ring/AS 64) Gantry						
Manufacturer:		Siemens Medical Solutions USA, Inc.				
Identification:		Part No.: 10749669				
Description:		<p>Component of the Biograph Vision 450 PET/CT System</p> <ul style="list-style-type: none"><li>- Includes use of Seismic Plates 10504127</li><li>- Installed weight below includes 490lb Seismic Plates.</li><li>- Includes System Level Seismic Installation Kit 10750045 (NOT LABELED) which includes the X-Axis Translation Bracket 10748911</li></ul>				
Mounting:		<u>Rigid Base (Floor) Mounted</u> using: (32) -1/2" dia SAE J429 Grade 8 bolts.				
Dimensions (in.)				Weight (lb.)	Lowest Resonant Frequency (Hz.)	
Width	Depth	Height	Side-Axis		Front-Axis	Vert-Axis
92.3	52.8	80.1	9.1		7.4	22.1
ICC-ES AC156 Shake Table Test Parameters						Code: 2022 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	3.2	2.4	1.68	0.68
2.5	0					
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

**ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS**


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UUT-E1926-2 POWER DISTRIBUTION CABINET (PDC) WITH CABLE MANAGEMENT RACK						
Manufacturer:			Siemens Medical Solutions USA, Inc.			
Identification:			Part No.: 08366465			
Description:			Component of the Biograph Vision 450 PET/CT System and other system in the Biograph Vision PET/CT Family PDC with the addition of - Cable Management Rack - Part No.: 10530286 (NOT LABELED) Weight below includes Cable Management Rack (42 LB) and Cables (126 LB)			
Mounting:			Wall/Floor Mounted using: (4) - ½" dia. SAE J429 Grade 8 bolts at base. 7ga. AISI 316 (SS) upper bracket (P/N 10750284) w/ (8) – ¼" dia. Hex Washer Head Self-drilling steel screws to 16ga. steel wall backing plate (with additional washers) (2)- M12 -Class 4.6 bolts to top of cabinet (with washers)			
						
Dimensions (in.)			Lowest Resonant Frequency (Hz.)			
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
35.4	32.2	76.8	1326	8.51	7.99	18.65
ICC-ES AC156 Shake Table Test Parameters					Code: 2022 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	3.2	2.4	1.68	0.68
2.5	0					
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

UUT-E1926-3 IMAGE RECONSTRUCTION SYSTEM (IRS) mx5b						
Manufacturer:						
Identification:						
Description:						
Mounting:						
<p>Component of the Biograph Vision 450 PET/CT System and other system in the Biograph Vision PET/CT Family Supermicro Model 743-8 P/N PIO-748R-SMC06-SM005</p>						
<p>Rigid Base (Floor) Mounted using: (2) strap sets, each consisting of: 1" wide nylon strap w/ metal cinch (200 lb WLL) looped through slots in vertical legs of (2) – L2½" x 2½" x ¼" x 0'-2½" steel brackets positioned snug against unit.</p> <p>Each bracket attached w/ 3/8" dia. ASTM A574 Socket Head Cap Screws w/ washer threaded into interface plate.</p>						
Dimensions (in.)			Weight (lb.)	Lowest Resonant Frequency (Hz.)		
Width	Depth	Height		Side-Axis	Front-Axis	Vert-Axis
8.5	25.5	17.5	61.5	22.17	>50	42.09
ICC-ES AC156 Shake Table Test Parameters						Code: 2022 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	3.2	2.4	1.68	0.68
2.5	0					
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

**ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS**

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UUT-E1926-4     IMAGE RECONSTRUCTION SYSTEM (IRS) mx5c						
Manufacturer:						
Identification:						
Description:						
Mounting:						
Part No.: 10590112						
Component of the Biograph Vision 450 PET/CT System and other system in the Biograph Vision PET/CT Family						
Supermicro Model 743-8 P/N PIO-748R-SMC07-SM005						
Rigid Base (Floor) Mounted using: (2) strap sets, each consisting of: 1" wide nylon strap w/ metal cinch (200 lb WLL) looped through slots in vertical legs of (2) – L2½" x 2½" x ¼" x 0'-2½" steel brackets positioned snug against unit.						
Each bracket attached w/ 3/8" dia. ASTM A574 Socket Head Cap Screws w/ washer threaded into interface plate.						
Dimensions (in.)				Lowest Resonant Frequency (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
8.5	25.5	17.5	57	15.01	38.62	>50
ICC-ES AC156 Shake Table Test Parameters						Code: 2022 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	3.2	2.4	1.68	0.68
2.5	0					
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						


UUT-E2002-1      POWER DISTRIBUTION COMPUTER CABINET (PDCC)						
Manufacturer:			Siemens Medical Solutions USA, Inc.			
Identification:			Part No.: 11519082			
Description:			Component of the Biograph Horizon PET-CT System.  Includes the following sub-components: MARS Z8G4 (10752891), IRS (11268053), (QTY 2) UPS 9Px5000 (10530975), EtherPET Switch (10749750)			
Mounting:			Rigid Base (Floor) Mounted using:  (12) -3/8" dia SAE J429 Grade 5 bolts.			
Dimensions (in.)			Weight (lb.)	Lowest Resonant Frequency (Hz.)		
Width	Depth	Height		Side-Axis	Front-Axis	Vert-Axis
44.0	35.0	63.84		1226.5	6.65	14.63
ICC-ES AC156 Shake Table Test Parameters						Code: 2022 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	1.34	0.54
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						



**ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS**


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UUT-E2002-2     IMAGE CONTROL SYSTEM (ICS) 13B						
Manufacturer:						
Identification:						
Description:						
Mounting:						
Part No.: 11062026						
Component of the Biograph Horizon PET-CT System						
Fujitsu Product: Celsius W550 Power Model: MI5W P/N: CUZ:1445V420-FS091						
Rigid Base (Floor) Mounted using: (2) strap sets, each consisting of: 1" wide nylon strap w/ metal cinch (200 lb WLL) looped through slots in vertical legs of (2) – L2½" x 2½" x ¼" x 0'-2½" steel brackets positioned snug against unit.						
Each bracket attached w/ 3/8" dia. ASTM A574 Socket Head Cap Screws w/ washer threaded into interface plate.						
Dimensions (in.)				Lowest Resonant Frequency (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
6.9	16.5	15.6	26.5	37.50	> 50	> 50
ICC-ES AC156 Shake Table Test Parameters						
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	1.34	0.54
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

UUT-F2319-1 IMAGE CONTROL SYSTEM (ICS) 14BM						
MANUFACTURER: Fujitsu						
IDENTIFICATION: Siemens Label Computer pS20 – ICS14BM Part No.: 11513971 Serial No.: 1027		Fujitsu Label Model No.: 11513952 Serial No.: EICX003816				
DESCRIPTION: Component of Symbia Intevo Family SPECT/CT System (as tested) and Biograph Horizon PET-CT System Families.  * Tabulated weight excludes the 5lb weight of the seismic mounting kit, which includes 4 brackets and 2 set of straps.						
MOUNTING: Rigid Base (Floor) Mounted using: 1" wide nylon strap w/ metal cam buckle (700 lb WLL) (p/n 11591134) looped through slots in vertical legs of (2) – L3 x 3 x 1/4 x 0'-3" LLV steel brackets (p/n 1191133) positioned 1/8" (max.) away from side of unit.  Each bracket attached w/ 3/8" diameter A574 socket head cap screw threaded into aluminum plate. (1 set ea. front & rear, 4 bolts total.)						
DIMENSIONS (in.)			Weight (lb.)	LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height		Side-Axis	Front-Axis	Vertical-Axis
7.09	12.97	14.76		> 50	> 50	> 50
ICC-ES AC156 Shake Table Test Parameters				Code: 2022 CBC		
S <sub>ds</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIg-H</sub>	A <sub>FLX-V</sub>	A <sub>RIg-V</sub>
2.0	1	1.5	3.20	2.40	1.34	0.54
Unit maintained structural integrity and remained functional per manufacturer requirement.						

**ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS**

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UUT-F2510-1 IMAGE CONTROL SYSTEM (ICS) TOWER 14E						
MANUFACTURER: Fujitsu						
IDENTIFICATION: Siemens Label Computer pS20 – ICS14E Model No.: 11513972 Serial No.: 1047		Fujitsu Label Model No.: 11513953 Serial No.: EICX006292				
DESCRIPTION: Component of Siemens Biograph mCT & Biograph Vision PET/CT System Families.						
MOUNTING: Rigid Base (Floor) Mounted using: 1" wide nylon strap w/ metal cam buckle (200 lb WLL) looped through slots in vertical legs of (2) – L2.5" x 2.5" x 1/8" x 0'-2" long steel brackets positioned 1/8" (max.) away from side of unit. Straps hand tightened to prevent movement in any direction.  Each bracket attached w/ 3/8" diameter SAE J429 Grade 5 bolt threaded into aluminum plate. (1 set ea. front & rear, 4 bolts total.)						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vertical-Axis
7.0	11.9	14.6		41.68	>50	>50
ICC-ES AC156 Shake Table Test Parameters						Code: 2022 CBC
S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
2.0	1	1.5	3.20	2.40	1.34	0.54
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						


UUT-F2510-2 IMAGE RECONSTRUCTION SYSTEM (IRS) mx6b						
MANUFACTURER: Siemens Healthcare GmbH						
IDENTIFICATION: Computer L19 – IRSmx6b Model No.: 11652205 Serial No.: 20022						
DESCRIPTION: Component of Siemens Biograph mCT & Biograph Vision PET/CT System Families.						
MOUNTING:  Rigid Base (Floor) Mounted using: 1" wide nylon strap w/ metal cam buckle (200 lb WLL) looped through slots in vertical legs of (2) – L2.5" x 2.5" x 1/8" x 0'-2" long steel brackets positioned 1/8" (max.) away from side of unit. Straps hand tightened to prevent movement in any direction.  Each bracket attached w/ 3/8" diameter SAE J429 Grade 5 bolt threaded into aluminum plate. (1 set ea. front & rear, 4 bolts total.)						
DIMENSIONS (in.)			Weight (lb.)	LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height		Side-Axis	Front-Axis	Vertical-Axis
6.5	20.9	18.5	45	25.35	46.42	>50
ICC-ES AC156 Shake Table Test Parameters						Code: 2022 CBC
S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
2.0	1	1.5	3.20	2.40	1.34	0.54
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						



**ATTACHMENT 2: SEISMIC CERTIFIED COMPONENTS**

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UUT-G2509-1 POWER DISTRIBUTION COMPUTER CABINET (PDCC)						
MANUFACTURER: Siemens Medical Solutions USA, Inc.						
IDENTIFICATION: Part No.: 11519082 Serial No.: ENGPDC1						
DESCRIPTION: Component of the Biograph Horizon PET-CT System.  Including: MARS Z8G5 Part No.: 11652342 IRS Tower 14P Part No.: 11513975 UPS, 9PX5KG2, 5 KVA (QTY: 2) Part No.: 11715931 EtherPET Switch Part No.: 10749750						
MOUNTING: Rigid Base (Floor) Mounted using: (12) 3/8" diameter SAE J429 Grade 5 bolts.  (6 bolts into left and right sides, 12 bolts total.)						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vertical-Axis
44	35	63.8	1223	8.26	17.14	21.47
ICC-ES AC156 Shake Table Test Parameters				Code: 2022 CBC		
S <sub>DS</sub>	z/h	I <sub>p</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
2.0	1	1.5	3.20	2.40	1.34	0.54
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

UUT-G2509-2 IMAGE CONTROL SYSTEM (ICS) TOWER 15E						
MANUFACTURER: HP						
IDENTIFICATION: Part No.: 11513979 Serial No.: CZC5037DSB						
DESCRIPTION: Component of Siemens Biograph mCT & Biograph Vision PET/CT System Families.						
MOUNTING: Rigid Base (Floor) Mounted using: 1" wide nylon strap w/ metal cam buckle (500 lb WLL) looped through slots in vertical legs of (2) – L2" x 2.5" x 1/8" x 0'-2" long steel brackets placed adjacent to unit. Straps hand tightened to prevent movement in any direction.  Each bracket attached w/ 3/8" diameter SAE J429 Grade 5 bolt threaded into aluminum plate. (1 set ea. front & rear, 4 bolts total.)						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vertical-Axis
6.7	15.2	14	15.5	26.99	47.71	>50
ICC-ES AC156 Shake Table Test Parameters						Code: 2022 CBC
S <sub>DS</sub>	z/h	I <sub>P</sub>	A <sub>FLX-H</sub>	A <sub>RIG-H</sub>	A <sub>FLX-V</sub>	A <sub>RIG-V</sub>
2.0	1	1.5	3.20	2.40	1.34	0.54
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

**ATTACHMENT 3: UUT SUMMARY INDEX**

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UUT	REPORT NUMBER	TEST DATE	TEST FACILITY	TEST REPORT UUT
UUT-1507-1	SQ35-1507-01	March 16, 2015	Environmental Testing Laboratory, Inc.	UUT-1
UUT-1507-2	SQ35-1507-01	March 16, 2015	Environmental Testing Laboratory, Inc.	UUT-2
UUT-1507-3	SQ35-1507-01	March 16, 2015	Environmental Testing Laboratory, Inc.	UUT-3
UUT-1507-4	SQ35-1507-01	March 16, 2015	Environmental Testing Laboratory, Inc.	UUT-4
UUT-1507-5	SQ35-1507-01	March 16, 2015	Environmental Testing Laboratory, Inc.	UUT-5
UUT-A1523-1	SQ35-1523-01	September 2 - 4, 2015	Environmental Testing Laboratory, Inc.	UUT-1
UUT-A1523-2	SQ35-1523-01	September 2 - 4, 2015	Environmental Testing Laboratory, Inc.	UUT-2
UUT-A1523-3	SQ35-1523-01	September 2 - 4, 2015	Environmental Testing Laboratory, Inc.	UUT-3
UUT-A1401-5	SQ35-1401-01	January 15, 2014	Environmental Testing Laboratory, Inc.	UUT-5
UUT-B1614-1	SQ35-1614-01	May 24 - 26, 2016	Environmental Testing Laboratory, Inc.	UUT-1
UUT-B1614-3	SQ35-1614-01	May 24 - 26, 2016	Environmental Testing Laboratory, Inc.	UUT-3
UUT-B1614-4	SQ35-1614-01	May 24 - 26, 2016	Environmental Testing Laboratory, Inc.	UUT-4
UUT-B1614-5	SQ35-1614-01	May 24 - 26, 2016	Environmental Testing Laboratory, Inc.	UUT-5
UUT-B1614-7	SQ35-1614-01	May 24 - 26, 2016	Environmental Testing Laboratory, Inc.	UUT-7
UUT-B1614-8	SQ35-1614-01	July 21, 2016	Environmental Testing Laboratory, Inc.	UUT-8
UUT-B1401-4	SQ35-1401-01	January 15, 2014	Environmental Testing Laboratory, Inc.	UUT-4
UUT-B1417-5	SQ35-1417-01	July 23 - 24, 2014	Environmental Testing Laboratory, Inc.	UUT-5
UUT-B1417-6	SQ35-1417-01	July 23 - 24, 2014	Environmental Testing Laboratory, Inc.	UUT-6
UUT-B1518-4	SQ35-1518-01	August 4, 2015	Environmental Testing Laboratory, Inc.	UUT-4
UUT-C1734-1	SQ35-1734-01	November 28, 2017	Environmental Testing Laboratory, Inc.	UUT-1
UUT-C1734-2	SQ35-1734-01	November 28, 2017	Environmental Testing Laboratory, Inc.	UUT-2
UUT-D1817-1	SQ35-1817-01	May 10, 2018	Environmental Testing Laboratory, Inc.	UUT-1
UUT-D1817-2	SQ35-1817-01	May 10, 2018	Environmental Testing Laboratory, Inc.	UUT-2
UUT-D1817-3	SQ35-1817-01	May 10, 2018	Environmental Testing Laboratory, Inc.	UUT-3
UUT-D1817-4	SQ35-1817-01	May 10, 2018	Environmental Testing Laboratory, Inc.	UUT-4
UUT-E1926-1	SQ35-1926-01	November 7, 2019	Environmental Testing Laboratory, Inc.	UUT-1
UUT-E1926-2	SQ35-1926-01	November 7, 2019	Environmental Testing Laboratory, Inc.	UUT-2
UUT-E1926-3	SQ35-1926-01	November 7, 2019	Environmental Testing Laboratory, Inc.	UUT-3
UUT-E1926-4	SQ35-1926-01	November 7, 2019	Environmental Testing Laboratory, Inc.	UUT-4
UUT-E2002-1	SQ35-2002-01	March 9 - 10, 2020	Environmental Testing Laboratory, Inc.	UUT-1
UUT-E2002-2	SQ35-2002-01	March 9 - 10, 2020	Environmental Testing Laboratory, Inc.	UUT-2
UUT-F2319-1	SQ35-2319-01	February 2, 2024	Environmental Testing Laboratory, Inc.	UUT-1
UUT-F2510-1	SQ35-2510-01	March 21, 2025	Environmental Testing Laboratory, Inc.	UUT-1
UUT-F2510-2	SQ35-2510-01	March 21, 2025	Environmental Testing Laboratory, Inc.	UUT-2
UUT-G2509-1	SQ35-2509-01	August 11, 2025	Environmental Testing Laboratory, Inc.	UUT-1
UUT-G2509-2	SQ35-2509-01	August 11, 2025	Environmental Testing Laboratory, Inc.	UUT-2