



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

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

OFFICE USE ONLY

APPLICATION #: OSP – 0622

OSHPD Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: Philips Healthcare

Manufacturer's Technical Representative: Curtis Stemm

Mailing Address: Veenpluis 4-6, 5684 PC Best, The Netherlands

Telephone: On File Email: On File

Product Information

Product Name: Vereos PET/CT System

Product Type: PET-CT System

Product Model Number: See Attachment 1

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

General Description: Multiple component diagnostic imaging system that combines Positron Emission Tomography (PET) and X-ray Computed Tomography (CT) systems. Seismic certification is limited to system components listed in Attachment 1 for functions related to CT diagnostic Imaging. Seismic enhancements incorporated into the test units and enhancements required to address anomalies observed during the tests shall be incorporated into the certified units.

Mounting Description: Rigid Base mount / Rigid Wall Mount / See Attachment 1.

Applicant Information

Applicant Company Name: EASE

Contact Person: Jonathan Roberson, S.E.

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

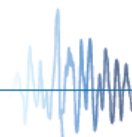
Telephone: (909) 606-7622 Email: j.roberson@easeco.com

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: September 30, 2019

Title: Principal Structural 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

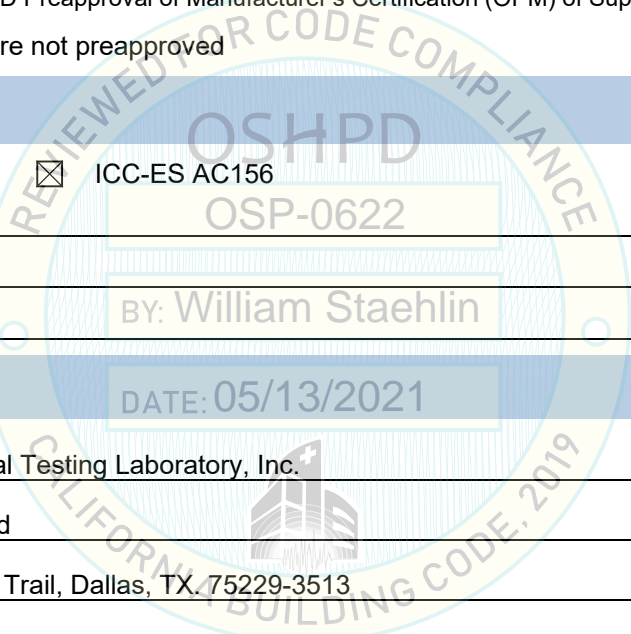
Telephone: (909) 606-7622 Email: j.roberson@easeco.com

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

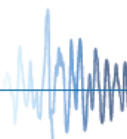
Company Name: Environmental Testing Laboratory, Inc.

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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Seismic Parameters

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

Design Basis of Equipment or Components (Fp/Wp) = See Attachment 1

S_Ds (Design spectral response acceleration at short period, g) = 2.00

ap (In-structure equipment or component amplification factor) = See Attachment 1

Rp (Equipment or component response modification factor) = See Attachment 1

Omega_0 (System overstrength factor) = See Attachment 1

Ip (Importance factor) = 1.5

z/h (Height factor ratio) = 1

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

Overall dimensions and weight (or range thereof) = See Attachment 1

Equipment or Components @ grade designed in accordance with ASCE 7-10 Chapter 15: [] Yes [X] 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) =

Omega_0 (System overstrength factor) =

Cd (Deflection amplification factor) =

Ip (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 [X] No

List of Attachments Supporting Special Seismic Certification

[X] Test Report(s) [] Drawings [] Calculations [] Manufacturer's Catalog

[X] Other(s) (Please Specify): Attachments 1 & 2

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

Signature: [Handwritten Signature]

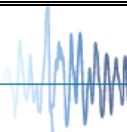
Date: May 13, 2021

Print Name: William Staehlin

Title: Senior Structural Engineer

Special Seismic Certification Valid Up to : S_Ds (g) = 2.00 z/h = 1

Condition of Approval (if applicable):



ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

ATTACHMENT PAGE | 1 OF 2

TABLE 1:

System Mfr		PHILIPS HEALTHCARE							SDS = 2.0 at z/h = 1			
System		VEREOS PET-CT SYSTEM (459800939401) ^[3]										
COMPONENT	PART NUMBER	APPROX. DIMENSIONS (IN.)			MAX. WT. (LB.)	MOUNT	BASIS ^[1]	F _P /W _P	a _P	R _P	Ω ₀	
		W	D	H								
GANTRIES												
Digital PET/CT Gantry, Integrated ^[3]		83.1	86.8	81.31	5695	Rigid Base	UUT-1A	2.40	1	1 ½	2	
CT Gantry for Digital PET												459800939011
DIGI PET Gantry												459800366301
PATIENT TABLES												
Patient Support Fully Tested Comp Assy ^[3]		459801203551	104.4-183	23.0	24.9 – 42	1260 ^[2]	Rigid Base	UUT-12	2.40	1	1 ½	2
Patient Support, Vereos ^[3]		459801737931	104.4-217	23.0	24.9 – 42	1213 ^[2]	Rigid Base	UUT-15	2.40	1	1 ½	2
Patient Support, Vereos ^[3]		459801825531	104.4-217	23.0	24.9 – 42	1224 ^[2]	Rigid Base	UUT-2003-1	2.40	1	1 ½	2
Floor MT Catcher		459800366313	17.3	35.7	37.1	183	Rigid Base	UUT-3A	2.40	1	1 ½	2
Floor Mounted Catcher		459800366314	17.3	35.7	37.1	188	Rigid Base	UUT-2003-2	2.40	1	1 ½	2
CONSOLES												
NMRS G5 Dual Workstation ^[3]		459800416301	36.0	32.0	30.1	311	Rigid Base	UUT-4 ^[3]	1.44	1	2 ½	2
LCC CRC RACK DVI w/ (Granite) ^{[4][5]}		455012005711	24.0	35.5	29.9	307	Rigid Base	UUT-1503-3	1.44	1	2 ½	2
Common Host Computer (CRC) (HP z440)		459800918411										
CIRS Computer (HP z840)		459800914091										
LCC CRC RACK DVI w/ (Granite) ^[4]		455012005711	24.0	35.6	29.9	307	Rigid Base	INT	1.44	1	2 ½	2
Common Host Computer (CRC) (HP z440)		459800918411										
CIRS Computer (HP z840)		459801305071										
CRC RACK w/ (Avnet) ^{[5][6]}		459801089011	24.0	35.6	29.9	318	Rigid Base	UUT-1713-1	1.44	1	2 ½	2
Common Host Computer (CRC) (HP z440)		459801304931										
CIRS Computer (HP z840)		459801305071										

Table continues next page

ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

ATTACHMENT PAGE | 2 OF 2

TABLE 1:

System Mfr		PHILIPS HEALTHCARE										S _{DS} = 2.0 at z/h = 1	
System		VEREOS PET-CT SYSTEM (459800939401) ^[3]											
COMPONENT	PART NUMBER	APPROX. DIMENSIONS (IN.)			MAX. WT. (LB.)	MOUNT	BASIS ^[1]	F _P /W _P	a _P	R _P	Ω ₀		
		W	D	H									
POWER DISTRIBUTION													
PDU	459800442351	22	25	49.4	966	Rigid Base	UUT-6	1.44	1	2 ½	2		
GPP	459800633012	24	32.4	51.6	838	Rigid Base	UUT-7A	1.50	2 ½	6	2		
USER INTERFACE													
CT Box	453567105234	15.8	4	3.5	4	Countertop Anchored	UUT-8	1.44	1	2 ½	2		
PERIPHERALS													
Dehumidifier	459800383383	24.0	32.4	31.6	273	Rigid Base	UUT-9	1.8	1	2 ½	2		
Liquid Chiller	459800383433	29.9	34.0	38.3	360	Rigid Base	UUT-11A	1.44	1	2 ½	2		
Mount	<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>Countertop Anchored</u> : unit is anchored to a counter, desk, or other piece of rigid fixed furniture.												
Notes	<ol style="list-style-type: none"> Basis: <ul style="list-style-type: none"> UUT#: Indicates that a unit matching these characteristics was tested as part of this testing program. INT (Interpolate/Extrapolate): indicates a model not specifically tested, for which seismic certification is established through evaluation of testing of other, similar models in the product line. Patient table weight does not include the 345 lb. patient load present during testing. Requires use of Philips Healthcare Seismic Install Kit, Vereos (PN: 459800939391) or equivalent). Requires use of Philips Healthcare Gen 5.X Console Seismic Kit (Part No. 4598 008 81561) or equivalent. Model not used with this system; it is included only for purpose of interpolation. Requires use of Philips Healthcare CRC Rack Seismic package Kit (Part No. 4598 013 57921) or equivalent. 												


ATTACHMENT 2: TEST SPECIMEN SUMMARY


UUT-1A PET/CT Gantry							
Manufacturer:	Philips Medical Systems (Cleveland) Inc.						
Identification:	System Part No.: 459800939401 / SN: 4005 CT Gantry for Digital PET Part No. 459800939011 (Ingenuity CT Gantry) PET Gantry Part No. 459800366301						
Description:	Component of the Vereos PET/CT system Engineering verification / validation unit / Production equivalent Includes enhancements and modifications to improve seismic resistance which were subsequently released as part of standardized kit: CT GANTRY: Addition of Seismic Locking Pin Kit (PN: 453567486371). Component of Seismic Install Kit, Vereos (PN: 459800939391). Installation of 5/16" Pins to secure mounting brackets to the Gantry Frame PET GANTRY: Addition of Vereos PET Gantry Seismic Kit (PN: 459801551671). Component of Seismic Install Kit, Vereos (PN: 459800939391). Installation of second PET Gantry Hinge PIN to secure PET Gantry to CT Gantry						
Mounting:	Rigid Base (Floor) mounted using (8) – 5/8" dia. SAE J429 Grade 5 bolts w/ Philips supplied washer kit.						
Dimensions (in.)							
Width	Depth	Height	Weight (lb.)	Lowest Resonant Frequency (Hz.)			
83.1	86.8	81.31	5695	Side-Axis	Front-Axis	Vert-Axis	
				11.41	6.38	16.2	
ICC-ES AC156 Shake Table Test Parameters						Code: 2016 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	1.34	0.54	
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.							




UUT-12 Patient Support							
Manufacturer:	Philips Medical Systems (Cleveland) Inc.						
Identification:	Part No.: 459801203551 (No label) Serial No.: (No label)						
Description:	Component of Vereos PET-CT System Validation unit / Production equivalent Includes enhancements and modifications to improve seismic resistance, which were subsequently released as Couch Seismic Kit Assembly (PN: 459801536351). Component of Seismic Install Kit, Vereos (PN: 459800939391).						
Mounting:	Rigid Base (Floor) mounted using (8) – 5/8" dia. SAE J429 Grade 8 bolts w/ Philips supplied bushing & washer kit.						
Dimensions (in.)							
Width	Depth	Height	Weight (lb.)	Lowest Resonant Frequency (Hz.)			
183	23	36	1260	Transv -Axis	Longit -Axis	Vert-Axis	
				3.33	3.03	13.66	
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2016 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	1.34	0.54	
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.							





UUT-3A Floor MT Catcher							
<i>Manufacturer:</i>	Philips Medical Systems (Cleveland) Inc.						
<i>Identification:</i>	Part No.: 459800366313 Serial No.: 4005 (System)						
<i>Description:</i>	Component of the Vereos PET/CT system Provides support for upper cradle of patient table when extended through bore of gantry.						
<i>Mounting:</i>	<u>Rigid Base (Floor) mounted</u> using (4) – ¾" dia. SAE J429 Grade 5 bolts with washers.						
							
Dimensions (in.)							
Width	Depth	Height	Weight (lb.)	Lowest Resonant Frequency (Hz.)			
17.3	35.7	37.1	185	Side-Axis	Front-Axis	Vert-Axis	
				>50	22.28	12.58	
ICC-ES AC156 Shake Table Test Parameters						Code: 2016 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	1.34	0.54	
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.							


UUT-4 NMRS							
<i>Manufacturer:</i>	Granite Medsystems & Philips Medical Systems Cleveland						
<i>Identification:</i>	Part No.: 459800416301 Serial No.: 50424S00333 No label for top level #						
<i>Description:</i>	Rack Granite 455012005711 PC 1: Supermicro (459800396181) PC: HP Z840 (HP Product No. F5G73AV) Includes enhancements and modifications to improve seismic resistance, which were subsequently released as part of standardized kit: <ul style="list-style-type: none"> Addition of NMRS Gen5.X Dual Workstation Seismic Kit. Component of Seismic Install Kit, Vereos (PN: 459800939391). Installation of floor mounting kit and computer containment brackets. 						
<i>Mounting:</i>	<u>Rigid Base (Floor) mounted</u> using (4) – ¾" dia. socket head cap screws.						
							
Dimensions (in.)							
Width	Depth	Height	Weight (lb.)	Lowest Resonant Frequency (Hz.)			
24	35.5	29.9	311	Side-Axis	Front-Axis	Vert-Axis	
				14.12	21.55	20.77	
ICC-ES AC156 Shake Table Test Parameters						Code: 2016 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-6 PDU						
<i>Manufacturer:</i> Controlled Power Co.						
<i>Identification:</i> Part No.: 459800442351 Serial No.: 6K-02207						
<i>Description:</i> Component of the Vereos PET/CT system Engineering verification / validation unit. Production equivalent SURE Image imaging and treatment series power conditioner Floor Anchoring Brackets are included in normal shipment.						
<i>Mounting:</i> Rigid Base (Floor) mounted using (6) – 1/2" dia. SAE J429 Grade 5 bolts w/ washer.						
Dimensions (in.)				Lowest Resonant Frequency (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
22	25	49.4	966	14.69	9.7	30.06
ICC-ES AC156 Shake Table Test Parameters						Code: 2016 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-7A GPP						
<i>Manufacturer:</i> Staco Energy Products Co.						
<i>Identification:</i> Part No.: 459800633011 Serial No.: 13288						
<i>Description:</i> Component of the Vereos PET/CT system Modifications at Lab: Install supplemental locking assembly at top and bottom of each door to secure door closed throughout test.						
<i>Mounting:</i> Rigid Base (Floor) mounted using (4) – 3/8" dia. SAE J429 Grade 5 bolts w/ 5 washer 5.						
Dimensions (in.)				Lowest Resonant Frequency (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
24	32.4	51.6	838	9.49	4.64	12.39
ICC-ES AC156 Shake Table Test Parameters						Code: 2016 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	1.34	0.54
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

UUT-8 CT Box						
<i>Manufacturer:</i>	Philips Medical Systems (Cleveland) Inc.					
<i>Identification:</i>	Part No.: 453567105233 Serial No.: 071					
<i>Description:</i>	Component of the Vereos PET/CT system Installation of CT BOX SEISMIC MOUNTING STRIP (PN: 459801147561). Component of Seismic Install Kit, Vereos (PN: 459800939391)					
<i>Mounting:</i>	<u>Rigid Base (Floor) mounted</u> using (2) – 1" x 3" 3M Dual Lock 6730 Tape at each tapered leg					
						
Dimensions (in.)			Lowest Resonant Frequency (Hz.)			
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
15.8	4	3.5	4	35.36	42.09	>50
ICC-ES AC156 Shake Table Test Parameters						Code: 2016 CBC
S _{ds} (G)	z/h	I _p	AFLX-H (G)	ARIG-H (G)	AFLX-V (G)	ARIG-V (G)
2.0	1	1.5	3.20	2.40	1.68	0.68
2.5	0					
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

UUT-9 Dehumidifier						
<i>Manufacturer:</i>	Parker Hannifin Manufacturing S.r.1.					
<i>Identification:</i>	Part No.: 459800383383 Serial No.: Z1809226					
<i>Description:</i>	Component of the Vereos PET/CT system Parker Model No.: DF-PHMAC1 208-230 VAC 9.0A 50/60 Hz 1 Phase SSCR=5000A Includes enhancements and modifications to improve seismic resistance, which were subsequently released as part of standardized kit: Installation of Seismic Dehumidifier Floor Mtg Bracket (PN: 459801553621). Component of Seismic Install Kit, Vereos (PN: 459800939391)					
<i>Mounting:</i>	<u>Rigid Base (Floor) mounted</u> using (8) – 3/8" dia. socket head caps screws w/ washers.					
						
Dimensions (in.)			Lowest Resonant Frequency (Hz.)			
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
24.0	32.4	31.6	273	>50	28.0	39.1
ICC-ES AC156 Shake Table Test Parameters						Code: 2016 CBC
S _{ds} (G)	z/h	I _p	AFLX-H (G)	ARIG-H (G)	AFLX-V (G)	ARIG-V (G)
2.0	1	1.5	3.20	2.40	1.68	0.68
2.5	0					
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

UUT-11A Liquid Chiller						
<i>Manufacturer:</i> Parker / Hiross						
<i>Identification:</i> Part No.: 459800383433 Serial No.: 3990735510005						
<i>Description:</i> Component of the Vereos PET/CT system Unit full of water-Glycol coolant to standard operating level. Includes enhancements and modifications to improve seismic resistance, which were subsequently released as part of standardized kit: Installation of Assy, Chiller Seismic (PN: 459801216731). Component of Seismic Install Kit, Vereos (PN: 459800939391)						
<i>Mounting:</i> Rigid Base (Floor) mounted using (8) – 3/8" dia. socket head caps screws w/ washers.						
Dimensions (in.)				Lowest Resonant Frequency (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
29.9	34	38.25	360	17.65	25.96	21.09
ICC-ES AC156 Shake Table Test Parameters						Code: 2016 CBC
Sds (G)	z/h	Ip	AFLX-H (G)	ARIG-H (G)	AFLX-V (G)	ARIG-V (G)
2.0	1	1.5	3.20	2.40	1.34	0.54
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						



UUT-15 Patient Support, Vereos						
<i>Manufacturer:</i> Philips Medical Systems Technologies Limited						
<i>Identification:</i> Part No.: 459801737931 Serial No.: N/A (engineering validation unit)						
<i>Description:</i> Component of Vereos PET-CT System Engineering validation unit / Production equivalent Also labeled: P/N 4598-009-17685; S/N BM39-0001, as delivered from supplier, Benchmark Electronics PT, before final Philips internal function test, which then changes assembly to 459801737931 Includes Couch Seismic Kit Assembly (PN: 459801536351), sub-assembly of Seismic System Install Kit, Vereos (PN: 459800939391).						
<i>Mounting:</i> Rigid Base mounted using (8) – 5/8" dia. SAE J429 Grade 8 bolts w/ Philips supplied bushing & washer kit.						
Dimensions (in.)				Lowest Resonant Frequency (Hz.)		
Width	Depth	Height	Weight (lb.)	Transv. -Axis	Longit. -Axis	Vert.-Axis
104.4 - 217	23	24.9 - 42	1213	5.27	19.74	9.81
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2016 CBC
Sds (G)	z/h	Ip	AFLX-H (G)	ARIG-H (G)	AFLX-V (G)	ARIG-V (G)
2.0	1	1.5	3.20	2.40	1.34	0.54
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						





UUT-1503-A3 LCC CRC RACK DVI						
Manufacturer: Philips Medical Systems Cleveland & Granite Medsystems						
Identification: Rack 455012005711 CRC 459800918411 CIRS 459800914091						
Description: LCC CRC RACK DVI consist of : <ul style="list-style-type: none"> • Common Host Computer (CRC) (Host, HP z440, CAN, Adaptor) • CIRS Computer (CIRS, HP z840 E5-2620v3 4Drv, SN5BP, ACQ4e) • Gen 5.X Console Seismic Kit (4598 008 81561) Test unit was fully populated at time of test.						
Mounting: Rigid Base (Floor) mounted using (4) – ¾" dia. socket head cap screws.						
Dimensions (in.)				Lowest Resonant Frequency (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
24	35.5	29.9	307	9.4	5.6	20.8
ICC-ES AC156 Shake Table Test Parameters						Code: 2016 CBC
Sds (G)	z/h	Ip	AFLX-H (G)	ARIG-H (G)	AFLX-V (G)	ARIG-V (G)
2.5	1	1.5	4.00	3.00	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						



UUT-1713-1 LCC CRC RACK DVI DATE: 05/13/2021						
Manufacturer: Philips Healthcare & Avnet Technology Solutions (Tianjin) Ltd.						
Identification: Rack 455012005711 CRC 459800918411 CIRS 459801305071						
Description: CRC RACK (Avnet) including: <ul style="list-style-type: none"> • Common Host Computer (CRC) (HP z440): UPD Host z440, CAN, Adapter • CIRS Computer (HP z840): UPD Host z440, Kbd, Mouse, CAN, Adapter CRC Rack Seismic package KIT (4598 013 57921) Test unit was fully populated at time of test.						
Mounting: Rigid Base (Floor) mounted using (4) – ¾" dia. socket head cap screws.						
Dimensions (in.)				Lowest Resonant Frequency (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
24.0	35.6	29.9	317.5	12.58	11.54	21.43
ICC-ES AC156 Shake Table Test Parameters						Code: 2016 CBC
Sds (G)	z/h	Ip	AFLX-H (G)	ARIG-H (G)	AFLX-V (G)	ARIG-V (G)
2.0 2.5	1 0	1.5	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						



UUT-2003-1 Patient Support, Complete Assembly						
<i>Manufacturer:</i> Philips Healthcare (Suzhou) Co., Ltd.						
<i>Identification:</i> Part No.: 459801825531 Serial No.: NPTR03						
<i>Description:</i> Component of Vereos PET-CT System <u>Patient Support</u> Includes support trusses and stiffening plates which are part of required Couch Seismic Kit Assembly (PN: 459801536351), which is a sub-assembly of Seismic System Install Kit, Vereos (PN: 459800939391). Included 345 lb patient load during test. *Test Configuration: Width = 217 in, Height = 37 in						
<i>Mounting:</i> <u>Rigid Base mounted</u> using (8) – 5/8” dia. SAE J429 Grade 8 bolts w/ Philips supplied bushing & washer kit.						
Dimensions (in.)				Lowest Resonant Frequency (Hz.)		
Width	Depth	Height	Weight (lb.)	Transv. -Axis	Longit. -Axis	Vert.-Axis
104.4 – 217*	23	24.9 – 42*	1224	5.93	4.33	6.23
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-2003-2 Floor Mounted Catcher						
<i>Manufacturer:</i> Philips Healthcare (Suzhou) Co., Ltd.						
<i>Identification:</i> Part No.: 459800366314 Serial No.: NPTR08						
<i>Description:</i> Component of the Vereos PET/CT system Provides support for upper cradle of patient table when extended through bore of gantry.						
<i>Mounting:</i> <u>Rigid Base (Floor) mounted</u> using (4) – 5/8” dia. SAE J429 Grade 5 bolts with washers.						
Dimensions (in.)				Lowest Resonant Frequency (Hz.)		
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vert-Axis
17.3	35.7	37.1	188	5.95	18.39	15.64
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.						