

DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

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

OFFICE USE ONLY

APPLICATION #: OSP-0711

HCAI Special Seismic Certification Preapprova	II (OSP)
Type: New X Renewal	
Manufacturer Information	
Manufacturer: SIEMENS MEDICAL SOLUTIONS U	SA, INC
Manufacturer's Technical Representative: Michael Zoc	howski
Mailing Address: 2501 N Barrington Rd, Hoffman Esta	tes, IL 60192
Telephone: (847) 304-7700 Em	ail: michael.zochowski@siemens-healthineers.com
FO	REODECON
Product Information	Mp,
Product Name: CT Systems	
Product Type: NA	

Product Model Number: Symbia Pro.specta SPECT/CT System

General Description:	Multiple component system for the provision of SPECT & Computed Tomography (CT) medical diagnostic imaging. Special Seismic Certification is limited to functions related to CT imaging only.
Mounting Description:	See Certified Product Tables
	Sciencia appropriate mode to the test units and/or modifications required to address

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 Contact Person: Jonathan Roberson Mailing Address: 5877 Pine Ave. Suite 210, Chino Hills, CA 91709 Telephone: (909) 606-7622 Email: jon@easeco.com Title: Principal Engineer



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California Licensed Structural Engineer Responsi	ble 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, C	XA 91709
Telephone: (951) 295-1892 Email:	jon@EASECo.com
Certification Method	
GR-63-Core X ICC-ES AC156	□ IEEE 344 □ IEEE 693 □ NEBS 3
Other (Please Specify):	
FOR	CODE
Testing Laboratory	Mp
Company Name: ENVIRONMENTAL TESTING LABORAT	ORIES, INC. (ETL)
Contact Person: Jeremy Lange	
Mailing Address: 11034 Indian Trail, Dallas TX 75229-351	3P-0711
Telephone: (972) 247-9657	Jeremy@etidallas.com
DATE:	01/25/2024
DATE:	
ORNIA RI	600
BL	ILDING -



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Seismic Parameters	
Design Basis of Equipment or Components	(Fp/Wp) = See Attachment
SDS (Design spectral response accele	eration at short period, g) = 2.00
ap (Amplification factor) =	See Attachment
Rp (Response modification factor) =	See Attachment
Ω_0 (System overstrength factor) =	2.0
Ip (Importance factor) =	1.5
z/h (Height ratio factor) =	1
Natural frequencies (Hz) =	See Attachment
Overall dimensions and weight =	See Attachment
	ED FOIL
HCAI Approval (For Office Use Only)	Approval Expires on 01/25/2030
Date: 01/25/2024	OSP-0711

Date:	01/25/2024	05P-0711		
Name:	Timothy J. Piland		Title:	Senior Structural Engineer
Special	Seismic Certification Valid Up to: SDS (g) = 2.00	z/h =	1
Conditic	n of Approval (if applicable):	DATE: 01/25/2024		
	ALTROK	VIA BUILDING C	ODE	



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EASE & SEISMIC ENGINEERING

SIEMENS MEDICAL SOLUTIONS USA

ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

ATTACHMENT PAGE | 1 OF 2

System Manufacturer SIEMENS MEDICAL S	SOLUTIONS USA, INC							<u> </u>	2.0	at =/h	4
System Symbia Pro.specta S	PECT/CT System							SD	s = 2.0	at z/h :	= 1
	MODEL	APPRO	OX. DIMENSI	ONS (IN.)	APPROX. WT.						
COMPONENT	NUMBER	W	D	Н	(LB.)	MOUNT	BASIS ^[1]	F _P /W _P	aP	R _P	Ω0
GANTRIES											
Symbia Pro.specta Q3 Gantry	11364751		D CO	DE							1
Symbia Pro.specta NM Gantry	11364754	92.7	54.7	79.3	8210	Rigid Base	UUT-2105-1	2.40	1	1 ½	2
Symbia Pro.specta Q3 CT	11061616	. 03			10						
Symbia Pro.specta Q3 Gantry	11364751 🦯										
Symbia Pro.specta NM Gantry	11364754	92.7	54.7	79.3	8210	Rigid Base	SAME	2.40	1	1 ½	2
Symbia Pro.specta Q3 CT	11061753										
Symbia Pro.specta X3 Gantry	11364752	1777	OSP-(711							
Symbia Pro.specta NM Gantry	11364754	92.7	54.7	79.3	8250	Rigid Base	INT	2.40	1	1 ½	2
Symbia Pro.specta X3 CT	110 <mark>61626</mark>	DV.	Timothy	Diland		-					
Symbia Pro.specta X3 Gantry	11364752		i intotriy i	nanu							
Symbia Pro.specta NM Gantry	113 <mark>64754</mark>	92.7	54.7	79.3	8250	Rigid Base	INT	2.40	1	1 ½	2
Symbia Pro.specta X3 CT	11061755	IDAT	E: 01/2	5/2024							
Symbia Pro.specta X7 Gantry	11364753			12222222222222							
Symbia Pro.specta NM Gantry	11364754	92.7	54.7	79.3	8251	Rigid Base	UUT-2105-2	2.40	1	1 ½	2
Symbia Pro.specta X7 CT	11061634			19999999							
Symbia Pro.specta X7 Gantry	11364753	P									
Symbia Pro.specta NM Gantry	11364754	92.7	54.7	79.3	8251	Rigid Base	SAME	2.40	1	1 ½	2
Symbia Pro.specta X7 CT	11061757		BUILD	ING		-					
Symbia Pro.specta Q3 Gantry	11364751										
Symbia Pro.specta NM Gantry	11364754	92.7	54.7	79.3	8251	Rigid Base	SAME	2.40	1	1 ½	2
Symbia Pro.specta Q3 CT	11061783					-					
Symbia Pro.specta Q3 Gantry	11364751				1						
Symbia Pro.specta NM Gantry	11364754	92.7	54.7	79.3	8251	Rigid Base	SAME	2.40	1	1 ½	2
Symbia Pro.specta Q3 CT	11061785					-					
Symbia Pro.specta X3 Gantry	11364752										
Symbia Pro.specta NM Gantry	11364754	92.7	54.7	79.3	8251	Rigid Base	SAME	2.40	1	1 ½	2
Symbia Pro.specta X3 CT	11061784					U U					

Table continues next page



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SIEMENS MEDICAL SOLUTIONS USA

ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

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TABLE 1:											
System Manufacturer SIEMENS MEDICAL SOLU	ITIONS USA, INC	C.							2 0	at z/h	_ 1
System Symbia Pro.specta SPEC	T/CT System							30	s = 2.0	al 2/11	= 1
	MODEL	APPR	OX. DIMENSI	ONS (IN.)	APPROX. WT.						
COMPONENT	NUMBER	W	D	Н	(LB.)	MOUNT	BASIS ^[1]	F _P /W _P	a₽	R _P	Ω0
Symbia Pro.specta X3 Gantry	11364752										
Symbia Pro.specta NM Gantry	11364754	92.7	54.7	79.3	8251	Rigid Base	SAME	2.40	1	1 ½	2
Symbia Pro.specta X3 CT	11061786	E.	ORCU	PE CO							
PATIENT HANDLING SYSTEM		103			1						
Front Patient Handling System (FPHS) [2] including:	11297100	AL.	HO	Ai	1						
Automated Collimator Change (ACC) 10765300	32.2	96.2 - 199	21 – 47	2730 [4]	Rigid Base	UUT-2041-1	2.40	1	1 ½	2
Integrated Collimator Change (ICC)	^{3]} 11007879		OSP-0	711	I C	- C					
Automated Quality Control (AQC	c) 0783 <mark>7722</mark>	1111,7777777	x								
Rear Patient Handling System (RPHS)	113 <mark>37310</mark>	24.5	41.8	30.5 - 38.9	403 [4]	Rigid Base	UUT-2041-2	2.40	1	1 ½	2
USER INTERFACE		DI.	r motny i	riiand							
Monitor Color WCU2416 23.6 w/ stand	110 <mark>61593</mark>	22.5	3.8	_16 - 17.5	20	CTA	UUT-2105-3	1.44	1	2 1⁄2	2
Monitor HL2316SH with Foot OEM: Shenyang Torch-Bigtide Digital Technolog Co. Ltd.	y 11330650	22.40	8.66	5/2024 16.1 – 19.3	18.3	Rigid Base	UUT-2320-1	1.44	1	2 ½	2
Control Device ^[5]	11061357	5	5.5	1.5	1	CTA	UUT-2105-4	1.44	1	2 1⁄2	2
Keyboard KB410 USB Standard US ^[5]	11267952	18	6.25		1.5	CTA	UUT-2105-5	1.44	1	2 1⁄2	2
Mount Rigid Base: free-standing, to base. CTA (Countertop, Anchored) Notes 1. BASIS: • UUT-# indicates that a • SAME indicates that a • SAME indicates that a • INT (Interpolated or Exmodels in the product 2. Requires the use of Si 3. Requires the use of Si 4. Does not include 400 I 5. Requires the use of Si	<u>d):</u> unit is anchore unit matching the nodel is physically (trapolated) indica line. emens Pro.specta emens ICC Seisn B patient test loa	ed to a count ese characte v, mechanica ates model o a Front PHS nic Brace Ki ad that was	ter, desk, or o eristics was in ally & electrica of equipment i S Seismic Kit F t P/N: 110078 supported by	ther piece of f acluded in the ally the same a not specifically P/N: 11518836 20 FPHS and RF	ixed furniture. current test progr as test specimen. v tested for which	am and detail Difference is	s of testing are limited to mode	document el number	ted here	ein. and/or	



EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING

SIEMENS MEDICAL SOLUTIONS USA

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ATTACHMENT 2: TEST SPECIMEN SUMMARY

UUT-2041-	1 Front Patie	nt Handling S	System (FPHS)			
Manufacturer:	Siemens Healthcare	GmbH		and the second second		and the second s
Identification:	Model No.: 1129710	0 Serial No.: 1005				
Description:	Automated Quality C 2x Medium Energy C Requires Pro.specta Requires ICC Seism	or Change (ACC), Mo r Change (ICC), Mod control (AQC), Model: collimators, P/N: 7332 Front PHS Seismic I ic Brace Kit P/N: 110	odel: 10765300 el: 11007879 : 07837722 2005 Kit P/N: 11518836 07820			
Mounting:	Tested Patient Load <u>Rigid Base (Floor) m</u> bolts w/ washers	•	,			3
	Dimensions [in]	62		Lowes	st Resonant Frequen	cy [Hz]
Width	Depth	Height	Weight [lb]	Side - Axis	Front - Axis	Vert - Axis
32.2	160	35	2730	4.04	> 50	8.02
ICC-ES AC156 S	hake Table Test Param	eters	10D 0711	6		Code: 2022 CBC
S _{DS} [G]	z/h	IP-	A _{FLX-H} [G]	A _{RIG-H} [G]	A _{FLX-V} [G]	A _{RIG-V} [G]
2.0 2.5	1 0	B ⁵ Y: Ti	mothy ³⁻²⁰ and	2.40	1.68	0.68
Unit satisfied AC1	56 requirements for strue	ctural integrity and ma	anufacturer requirements	s for functionality afte	er AC156 test.	•

UUT-2041-2 Rear Patient Handling System (RPHS)

Manufacturer:	Siemens Healthcare	GmbH		V/V/	1	
Identification:	Model No.: 11337310) Serial No.: 1010		K.		
Description:	Component of the Sy	mbia Pro.specta SP	ECT/CT System			
Mounting:	Tested Patient Load: <u>Rigid Base (Floor) m</u> bolts w/ washers					
				Lowes	st Resonant Frequen	cy [Hz]
	Dimensions [in]					
Width	Dimensions [in] Depth	Height	Weight [lb]	Side - Axis	Front - Axis	Vert - Axis
Width 24.5		Height 32	Weight [lb] 403	Side - Axis 21.72	Front - Axis 11.52	Vert - Axis 11.10
24.5	Depth	32	5			
24.5	Depth 41.8	32	5			11.10

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EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING

ATTACHMENT 2: TEST SPECIMEN SUMMARY

SIEMENS MEDICAL SOLUTIONS USA

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UUT-2105-	1 Symbia Pr	o.specta Q3 S	PECT/CT Ganti	ſУ		
Manufacturer:	Siemens Medical S	olutions USA, Inc.			the second second second	
Identification:	Model No.: 113647	51 Serial No.: ENGT	EST1			
Description:	Component of the S	Symbia Pro.specta SP	ECT/CT System		2L. 7	2
	(Same test sample Symbia Pro.specta Model No. 1106161 (CT sub-assembly structure)	54 Serial No. ENGTES as used in UUT-2105- Q3 CT Gantry Sub-as	-2) ssembly 04		SIEMEN	
			1 T			X F
Mounting:		mounted using (4) 3/4	" SAE J429 Grade 8			
Mounting:	Rigid Base (Floor)	mounted using (4) 3/4	" SAE J429 Grade 8	Lowes	st Resonant Frequence	cy [Hz]
Mounting: Width	<u>Rigid Base (Floor) ı</u> bolts	mounted using (4) 3/4	" SAE J429 Grade 8 Weight [lb]	Lowes Side - Axis	st Resonant Frequence Front - Axis	cy [Hz] Vert - Axis
	<u>Rigid Base (Floor) i</u> bolts Dimensions [in	mounted using (4) 3/4	R CODE CO		-	
Width 92.7	Rigid Base (Floor) r bolts Dimensions [in Depth	mounted using (4) 3/4 Height 79.3	Weight [lb]	Side - Axis	Front - Axis	Vert - Axis
Width 92.7	Rigid Base (Floor) i bolts Dimensions [in Depth 54.7	mounted using (4) 3/4 Height 79.3	Weight [lb]	Side - Axis	Front - Axis	Vert - Axis 4.66

Symbia Pro.specta X7 SPECT/CT Gantry UUT-2105-2 Manufacturer: Siemens Medical Solutions USA, Inc. Identification: Model No.: 11364753 Serial No.: ENGTEST1 STEMEN Description: Component of the Symbia Pro.specta SPECT/CT System Includes: Symbia Pro.specta Config SPECT-CT (SPECT Gantry) Model No. 11364754 Serial No. ENGTEST1 (Same test sample as used in UUT-2105-1) Symbia Pro.specta X7 CT Gantry Sub-assembly Model No. 11061634 Serial No. 133504 (CT sub-assembly mounted to back of SPECT gantry structure) Evaluation limited to CT imaging only Mounting: Rigid Base (Floor) mounted using (4) 3/4" SAE J429 Grade 8 bolts **Dimensions** [in] Lowest Resonant Frequency [Hz] Width Vert - Axis Side - Axis Front - Axis Depth Height Weight [lb] 54.7 8251 92.7 79.3 6.73 3.78 4.32 **ICC-ES AC156 Shake Table Test Parameters** Code: 2022 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
 1.0
 1.5
 3.20
 2.40
 1.34
 0.54

 Unit satisfied AC156 requirements for structural integrity and maximum acturer requirements for functionality after AC156 test.



& SEISMIC ENGINEERING

ATTACHMENT 2: TEST SPECIMEN SUMMARY

SIEMENS MEDICAL SOLUTIONS USA

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UUT-2105-3	8 Monitor Cole	or WCU2416 2	3.6 w/ stand			
Manufacturer:	Nanjing Jusha Disp	lay Technology Co., Lt	td			
Identification:	Model No.: 1106159	93 Serial No.: 302290	0			
Description:	Component of the S	Symbia Pro.specta SPE	ECT/CT System	192 8% 5/4:685471874		
	Monitor Color WCU	2416 23.6 w/ stand				
	24" wide screen col	or monitor w/ USB-HU	В			
Mounting:	through 3⁄4" plywood	d Cap Screws ISO 898 I with washers and nylo				
Mounting:	(3) #10 Socket Hea	d Cap Screws ISO 898 I with washers and nylo	on locknuts	Lowes	st Resonant Frequen	ncy [Hz]
Mounting: Width	(3) #10 Socket Hea through ¾" plywood	d Cap Screws ISO 898 I with washers and nylo		Lowes Front - Axis	st Resonant Frequen Side - Axis	ncy [Hz] Vert - Axis
	(3) #10 Socket Hea through ¾" plywood Dimensions [in]	d Cap Screws ISŎ 898 I with washers and nylo	on locknuts		-	
Width 22.5	(3) #10 Socket Hea through ¾" plywood Dimensions [in] Depth	d Cap Screws ISO 898 I with washers and nylo	on locknuts	Front - Axis	Side - Axis	Vert - Axis 6.21
22.5	(3) #10 Socket Hea through ¾" plywood Dimensions [in] Depth 3.8	d Cap Screws ISO 898 I with washers and nylo	on locknuts	Front - Axis	Side - Axis	Vert - Axis

UUT-2105-4 Control Device DATE: 01/25/2024

Manufacturer:	Siemens Medical Sc	olutions USA, Inc.		C C		
Identification:	Model No.: 110613	57 Serial No.: 03352		N		/ _
Description:	Component of the S	ymbia Pro.specta SPE	ECT/CT System	ODE		•
	Siemens Part No 43	57153-EBK-000 (3M 3 62492-EBK-000 (3M 3 I in Pro.specta System	SJ3541 1" x 3")			
Mounting:	Countertop (attached	<u>d) Mounted</u> using: ual Lock 3M SJ3541 n	nated to 3M SJ3542		¥ (G4)	
Mounting:	Countertop (attached	ual Lock 3M SJ3541 n	nated to 3M SJ3542		st Resonant Frequen	ncy [Hz]
<i>Mounting:</i> Width	Countertop (attached (2) lines of 1" x 3" Du	ual Lock 3M SJ3541 n	nated to 3M SJ3542 Weight [Ib]			hcy [Hz] Vert - Axis
	Countertop (attached (2) lines of 1" x 3" Do Dimensions [in]	ual Lock 3M SJ3541 n]	Lowes	st Resonant Frequen	
Width 5	Countertop (attached (2) lines of 1" x 3" Do Dimensions [in] Depth	ual Lock 3M SJ3541 n Height 1.5	Weight [lb]	Lower Front - Axis	st Resonant Frequen Side - Axis	Vert - Axis
Width 5	Countertop (attached (2) lines of 1" x 3" Do Dimensions [in] Depth 5.5	ual Lock 3M SJ3541 n Height 1.5	Weight [lb]	Lower Front - Axis	st Resonant Frequen Side - Axis	Vert - Axis 48.27



EQUIPMENT ANCHORAGE & SEISMIC ENGINEERING

ATTACHMENT 2: TEST SPECIMEN SUMMARY

SIEMENS MEDICAL SOLUTIONS USA

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UUT-2105-5	Keyboard K	B410 USB Sta	Indard US			
Manufacturer:	FUJITSU Technolo	gy Solutions				V
Identification:	Model No.: 11267	952 Serial No.: 18040	28102152	-		P
Description:	<u>Requires:</u> Siemens Part No 4 Siemens Part No 4	Symbia Pro.specta SP 357153-EBK-000 (3M 362492-EBK-000 (3M d in Pro.specta Syster	SJ3542 1" x 3") and SJ3541 1" x 3")			
Mounting:		Dual Lock 3M SJ3541	mated to 3M SJ3542			
	Dimensions [in			Lowest Resonant Frequency [Hz]		
Width	Depth	Height	Weight [lb]	Front - Axis	Side - Axis	Vert - Axis
18	6.25	1	1.5	>50	>50	49.03
ICC-ES AC156 Sha	ke Table Test Parar	neters	19P_0711		-	Code: 2022 CBC
S _{DS} [G]	z/h	Powerser	A _{FLX-H} [G]	A _{RIG-H} [G]	A _{FLX-V} [G]	A _{RIG-V} [G]
2.0	1.0	1.5	3.20	2.40	1.34	0.54
Unit satisfied AC156	requirements for str	uctural integrity and ma	anufacturer requiremen	ts for functionality afte	er AC156 test.	•

UUT-2320-1 LCD Monitor with Foot E: 01/25/2024

Manufacturer:	Shenyang Torch-Big	gtide Digital Technolog	gy Co. Ltd.			
Identification:	Model No.: 113306 HL2310	650 (Siemens) 6SH (OEM)	Serial No.: 233379			
Description:	23.8" LCD Monitor	bia Pro.Specta System	N N N N N N N N N N N N N N N N N N N			
Mounting:		<u>d) Mounted</u> using: Socket Head Cap Scre into threaded base of	ews with flat washers f UUT.		0	43
Mounting:	(2) - M6 Class 8.8 S	Socket Head Cap Scre into threaded base of		Lowes	at Resonant Frequen	icy [Hz]
Mounting: Width	(2) – M6 Class 8.8 S through ¾" plywood	Socket Head Cap Scre into threaded base of		Lowes Front - Axis	at Resonant Frequen Side - Axis	icy [Hz] Vert - Axis
	(2) – M6 Class 8.8 S through ¾" plywood Dimensions [in]	Socket Head Cap Scre into threaded base of	f UUT.		-	
Width 22.40	(2) – M6 Class 8.8 S through ¾" plywood Dimensions [in] Depth	Socket Head Cap Scre into threaded base of Height 19.29	f UUT. Weight [lb]	Front - Axis	Side - Axis	Vert - Axis
Width 22.40	(2) – M6 Class 8.8 S through ¾" plywood Dimensions [in] Depth 8.66	Socket Head Cap Scre into threaded base of Height 19.29	f UUT. Weight [lb]	Front - Axis	Side - Axis	Vert - Axis 11.14