

Telephone: (909) 606-7622

Title: SE

DEPARTMENT OF HEALTH CARE ACCESS AND INFORMATION FACILITIES DEVELOPMENT DIVISION

OFFICE USE ONLY APPLICATION FOR HCAI SPECIAL SEISMIC CERTIFICATION PREAPPROVAL (OSP) APPLICATION #: OSP-0628 **HCAI Special Seismic Certification Preapproval (OSP)** Type: New Renewal **Manufacturer Information** Manufacturer: **GE** Healthcare Manufacturer's Technical Representative: Tom Farrow Mailing Address: 3000 N. Grandview Blvd., Waukesha, WI 531881696 Telephone: (888) 406-1101 Email: Tom.Farnow@gehcseismic.com **Product Information** Product Name: CT Systems Product Type: NA Product Model Number: See Attachment 1 General Description: System components of multiple-component medical diagnostic imaging systems. Special Seismic Certification is limited to components identified in Attachment 1 for functions related to Computed Tomography (CT) imaging services only. Mounting Description: Rigid Base mount Seismic enhancements made to the test units and/or modifications required to address Tested Seismic Enhancements: 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





"A healthier California where all receive equitable, affordable, and quality health care"

STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY

Email: j.roberson@easeco.com



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California Licensed Structural Engineer Responsible 1	or 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 91	709
Telephone: (951) 295-1892	②EASECo.com
Certification Method	
GR-63-Core X ICC-ES AC156	IEEE 344
Other (Please Specify):	
FORCO	DECO
Testing Laboratory	···· Mp.
Company Name: ENVIRONMENTAL TESTING LABORATORI	ES, INC. (ETL)
Contact Person: Jeremy Lange	7
Mailing Address: 11034 Indian Trail, Dallas TX 75229-3513	0628
Telephone: (972) 247-9657 Email: Jere	emy@etldallas.com
OMDATE: 07/	10/2023





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

SDS (Design spectral response acceleration at short period, g) = 2.00 (z/h = 1); 2.50 (z/h = 0)

ap (Amplification factor) = See Attachment 1

Rp (Response modification factor) = See Attachment 1

 Ω_0 (System overstrength factor) = See Attachment

1.5 Ip (Importance factor) =

z/h (Height ratio factor) = 1 and 0

Natural frequencies (Hz) = See Attachment 2

Overall dimensions and weight = See Attachment 1

HCAI Approval (For Office Use Only) - Approval Expires on 07/10/2029

Date: 7/10/2023

Name: Mohammad Karim Title: Supervisor, Health Facilities

Special Seismic Certification Valid Up to: SDS (g) = See Above z/h =See Above

Condition of Approval (if applicable):





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ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

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TABLE 1:

SYSTEM Revo	ution	Maxima / Revolu	ıtion Ace											
		MODEL APPROX. DIMEN		X. DIMENSI	SIONS (IN.) MAX. WT.									
COMPONENT	NUMBER	W	D	H	(LB.)	MOUNT [6]	BASIS [1]	F _P /W _P	S _{DS}	z/h	a _P	R_P	Ω_0	
GANTRIES	[5]													
Revolution Maxima G	antry	6670000-2	80.4	40.2	76.3	3434	Floor	UUT1914-1						
Revolution Maxima G	antry	6670000-4	80.4	40.2	76.3	3434	Eloor	SAME				1	1 ½	
Revolution Maxima G	antry	6670000-200	80.4	40.2	76.3	3434	Floor	SAME	2.40	2.0	1			1 1/
Revolution Maxima G	antry	6670000-400	80.4	40.2	76.3	3434	Floor	SAME	1.13	2.5	0			1 ½
Revolution Ace Gantr	у	6670000-3	80.4	40.2	76.3	3434	Floor	SAME						
Revolution Ace Gantr	у	6670000-5	80.4	40.2	76.3	3434	Floor	SAME						
PATIENT TABLES	[5]			0		JSP-00	20							
GT1700V Table		5122080-11 [4]	25.6	93.3	19.2 / 41.2	1059 [2]	Floor	UUT1126-2	2.40	2.0	1	4	4.1/	4.1/
GT1700V Table		5122080-12	25.6	93.3	19.2 / 41.2	h4059na	Floor	SAME	1.13	2.5	0	1	1 ½	1 ½
CONSOLES														
Open Console w/ Z80	64	5946404-15	15.8	26.4	22.7	142 [3]	Floor	UUT1914-2	1.44	2.0	1	4	0.1/	0
Open Console w/ Z80	64	5946404-25	15.8	26.4	22.7	142 [3]	2 Floor	SAME	1.13	2.5	0	1	2 ½	2
POWER DISTRIBUT	ON						HEHERE							
Power Distribution Un	it	2326492-80 [4]	27.6	21.7	41.8	841 [3]	Floor	UUT1126-3	1.44	2.0	1		0.1/	_
Power Distribution Un	it	2326492-81	27.6	21.7	41.8	841 [3]	Floor	SAME	1.13	2.5	0	1	2 ½	2
NOTES 1. 2. 3. 4. 5.	BASIS UUTi SAM 1700V Weight Model i	#: Indicates that a E: Model is physic Patient Table weig includes mounting is not used with the es use of additional	test specimally, mecha ght does no g bracket has e system(s)	nen matching anically & ele t include the ardware.) identified in ng kit B7663	g these chara ectrically iden 350 lb. simu this table; it 32DA (P/N 58	acteristics was tical to a test lated patient is included o	s tested as posed unit, excelload present	art of this testir pt for possible during testing	ng program variations	ı. in model r				

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ATTACHMENT 2: TEST SPECIMEN SUMMARY

UUT 1914-2 Open Console w/ Z8G4 E: 07/10/2023

ATTACHMENT PAGE | 1 OF 2

UUT 1914-1	Revolution I	Maxima CT Ga	ntry						
Manufacturer:	GE Hangwei Medical Systems Co., LTD.								
Identification:	Model No.: 6670000 Serial No.: 000000H			Revolution	ura ura	. 0			
Description:	Component of Revo Non-tilt Gantry Touchscreen displ Configuration cont standard production	ay on front (x2) crolled verification unit	that is equivalent to						
Mounting:	Rigid Base (Floor) r (4) – 5/8" dia. SAE d GE Bushing Kit P/N	J429 Grade 8 bolts to t	est fixture.			Aler Sir			
	Dimensions (in.) (OF		Lowes	t Resonant Frequer	ncy (Hz.)			
Width	Depth	Height	Weight (lb.)	Front-Axis	Side-Axis	Vertical-Axis			
80.4	40.2	76.3	3434	9.9	11.6	14.0			
ICC-ES AC156 Sha	ake Table Test Paran	neters	VI. A 7/1/V V 7 X A 7/V V XX X X 7/V V X X			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 2.5	1 0	1.5 DV: Ma	3.2	2.4	1.68	0.68			
Unit satisfied AC15	6 requirements for stru	uctural integrity and ma	nufacturer requiremen	ts for functionality afte	r AC156 test.				

Manufacturer:	GE Hangwei Medica	Systems Co., LTD.		Man Did		7 5 篇 /
Identification:	Model No.: 5946404 Serial No.: 000000H					
Description:	Systems - HP Z8G4 Compute - Open style console	olled verification unit t	OILDING			
Mounting:	. ,					
	Dimensions (in.)			Lowes	st Resonant Frequen	cy (Hz.)
Width	Depth	Height	Weight (lb.)	Side-Axis	Front-Axis	Vertical-Axis
15.8	26.4	22.7	141.5 w/ brackets	14.6	30.1	26.2
ICC-ES AC156 S	hake Table Test Param	eters				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 2.5	1 0	1.5	3.2	2.4	1.68	0.68
	•	•			•	•



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ATTACHMENT 2: TEST SPECIMEN SUMMARY

ATTACHMENT PAGE | 2 OF 2

UUT 1126-2	GT1700V Table	e /						
Manufacturer:	GE Hangwei Medical	Systems Co., LTD						
Identification:	Model No.: 5122080-	11						
						183		
Description:		CT systems. led a simulated patie	ent load of 350 lb.		Left			
Mounting:	Rigid Base (Floor) mo (4) – 5/8" dia. hex hea	ounted using ad bolts to test fixture	e.					
Mounting:	(4) – 5/8" dia. hex hea	ounted using ad bolts to test fixture	e. R CODE C	Lowes	st Resonant Frequenc	v (Hz)		
Mounting: Width	Rigid Base (Floor) mo (4) – 5/8" dia. hex hea Dimensions (in.)	ad bolts to test fixture	R CODE CO	Lowes Transverse-Axis	st Resonant Frequenc	y (Hz.) Vertical-Axis		
Ü	(4) – 5/8" dia. hex hea	bunted using ad bolts to test fixture. Height 19.2 / 41.2	Weight (lb.) 1059+ 350 Patient	14/1	st Resonant Frequenc Longitudinal-Axis 15.2			
Width 25.6	(4) – 5/8" dia. hex hea Dimensions (in.) Depth	Height	Weight (lb.)	Transverse-Axis	Longitudinal-Axis	Vertical-Axis		
Width 25.6	Dimensions (in.) Depth 93.3	Height	Weight (lb.)	Transverse-Axis	Longitudinal-Axis	Vertical-Axis		
Width 25.6 ICC-ES AC156 Sha	Dimensions (in.) Depth 93.3 ake Table Test Parame	Height 19.2 / 41.2	Weight (lb.) 1059+ 350 Patient	Transverse-Axis	Longitudinal-Axis	Vertical-Axis 14.2 Code: 2022 CBC		

UUT 1126-3	Power Distribu	ition Unit (PDU	07/10/202	3		
Manufacturer:	GE Hangwei Medi <mark>ca</mark> l	Systems Co., LTD.		10		
Identification:	Model No.: 2326492- Serial No.: 270337HN			4		
Description:	System component o Also used with other		System. UILDING			
Mounting:	washer throug anchors ea. b GE mounting assen (2) – Seismic Brack Each bracket moun (2) – M10 x 25mm ((2) – M10 Lock Was	M A574 Socket Head of the Medical Indian Medical In	P/N 2354563-2) ne= 38.4 N-m)		Front	2
	Dimensions (in.)			Lowes	st Resonant Frequen	cy (Hz.)
Width	Depth	Height	Weight (lb.)	Front-Axis	Side-Axis	Vertical-Axis
27.6	21.7	41.8	841	20.4	20.6	13.8
ICC-ES AC156 Sha	ake Table Test Parame	ters				Code: 2022 CBC
S _{DS} (G)	z/h	l _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0 2.6	1 0	1.5	3.2	2.4	1.74	0.70
Unit satisfied AC15	6 requirements for struc	tural integrity and ma	nufacturer requiremen	ts for functionality afte	er AC156 test.	