

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

APPLICATION FOR HCAI SPECIAL SEISMIC	OFFICE USE ONLY
CERTIFICATION PREAPPROVAL (OSP)	APPLICATION #: OSP-0752
HCAI Special Seismic Certification Preapproval (OSP)	
Type: New X Renewal	
Manufacturer Information	
Manufacturer: GE Healthcare	
Manufacturer's Technical Representative: Du Pengfei	
Mailing Address: No. 1, Yong Chang North Road, Beijing Ec, Beijing, He	100176
Telephone: (1891) 190-1406 Email: Pengfei.du@g	gehealthcare.com
Product Information	
Product Name: Definium Tempo / Definium Tempo Pro	
Product Model Number(s): Varies. See Attachment	E.
Product Category: Fluoroscopy and Radiography Systems 52	i c
Product Sub-Category: NA	
General Description: System components of multiple-component med	lical diagnostic radiography imaging systems.
Mounting Description: Several - See Certified Product Tables -	
Tested Seismic Enhancements: None DATE: 10/10/202	*
Applicant Information	N 1038260
Applicant Company Name: Pre Compliance	-00-
Contact Person: Galen Reid	
Mailing Address: 36 SW Wall Street, Bend, OR 97702	
Telephone: (541) 241-2310 Email: galen@go-pre	e.com
Title: Principal & Program Manager	



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

California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)
Company Name: PRE COMPLIANCE
Name:     Andrew Coughlin     California License Number:     S6082
Mailing Address: 36 SW Wall Street, Bend, OR 97702
Telephone: (415) 635-8461 Email: Andy@go-pre.com
Certification Method
GR-63-Core X ICC-ES AC156 IEEE 344 IEEE 693 NEBS 3
Other (Please Specify):
EOR CODE CO.
Testing Laboratory
Company Name: CHINA TELECOMMUNICATION TECHNOLOGY LABS (CTTL)
Contact Person: Ying Deng
Mailing Address: 299 Tengfei Road, Lianchi District, Baoding City Hebei Province 000000
Telephone: (8603) 126-7989 By Email: dengying1@caict.ac.cn
Company Name: ENVIRONMENTAL TESTING LABORATORIES, INC. (ETL)
Contact Person: Jeremy Lange Q DATE: 10/16/2024
Mailing Address: 11034 Indian Trail, Dallas TX 75229-3513
Telephone: (972) 247-9657 Email: info@etldallas.com
BUILDING

HCAi

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

Seisr	nic Parameters	
Desig	n Basis of Equipment or Components	(Fp/Wp) = See Attached Table 4
	SDS (Design spectral response accele	eration at short period, g) = 2.0 @ z/h = 1.0; 2.5@z/h=0
	ap (Amplification factor) =	See Attached Table 4
	Rp (Response modification factor) =	See Attached Table 4
	$\Omega_0$ (System overstrength factor) =	2.0
	Ip (Importance factor) =	1.5
	z/h (Height ratio factor) =	1 and 0
	Natural frequencies (Hz) =	See Attachment
	Overall dimensions and weight =	See Attachment ODE
HCAI	Approval (For Office Use Only) -	Approval Expires on 10/16/2030
Date:	10/16/2024	OSP-0752
Name	: Mohammad Karim	Title: Supervisor, Health Facilities
Specia	al Seismic Certification Valid Up to: S	ps (g) = 2.0 $z/h = 1$

NG CODE

Condition of Approval (if applicable):



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RORNIA

RI



roduct Type:		d Radiography Systems o / Definium Tempo Pro	Seismic Pal S <sub>DS</sub> = 2.0g for z/h S <sub>DS</sub> = 2.5g for z/h	=1	s I <sub>p</sub> = 1.5	Βι	uilding CBC 20				
TABLE 1		Mounting Co	nfiguration: Ce	iling Mo	ounted	- Rigid					
Cons	struction Sur	nmary		Options	s Sumn	nary					
Constructed of c	Constructed of carbon steel, aluminum, and plastic components			2 or 3 Meter Bridge 134" to 228" and 12m Longitudinal Rails							
		-OR CO	DECO								
Assem (Compon		Subcomponents	Model Number	Max. D D	imensio W	ons (in) H <sup>1</sup>	Wt. (Ib)	υυ			
Overhead Tube 3 (2 meter bi		2 Meter Bridge Tube Support <sup>2</sup> X-Ray Tube <b>SP-</b> Collimator (AL01C II eL) Longitudinal Rails (134" to 228")	5823488 5822306 46-155400G284 5730663 46-316480G1 to 46-316480G24	90.9	228	41.1 - 104.1	1,065	7			
Overhead Tube 5 (2 meter bi		2 Meter Bridge Tube Support <sup>2</sup> X-Ray Tube Collimator (AL01C II eL) Longitudinal Rails (134" to 228") Longitudinal Rails (12m)	5823488 5822306 46-155400G284 5730663 46-316480G1 to 46-316480G24 5492991	90.9	472	41.1 - 104.1	1,213	Inte			
Overhead Tube 3 (2 meter bi		2 Meter Bridge Tube Support <sup>3</sup> X-Ray Tube Collimator (AL01C II eL) Longitudinal Rails (134" to 228")	5823488 5822306-1 46-155400G284 5730663 46-316480G1 to 46-316480G24	90.9	228	41.1 - 104.1	1,065	Sar			
Overhead Tube 3 (2 meter bi		2 Meter Bridge Tube Support <sup>3</sup> X-Ray Tube Collimator (AL01C II eL) Longitudinal Rails (134" to 228") Longitudinal Rails (12m)	5823488 5822306-1 46-155400G284 5730663 46-316480G1 to 46-316480G24 5492991	90.9	472	41.1 - 104.1	1,213	Inte			

**Notes: 1.** Range of outer height from top of longitudinal rail to lowest point. **2**. China made **3**. Mexico made **4**. Design, construction, materials and grades, quality control and quality assurance methods used in manufacturing for products in the US, Mexico, and China are identical. Manufacturing process at all locations are ISO 13485 certified.



anufacturer: oduct Type: odel Line:		d Radiography Systems o / Definium Tempo Pro	Seismic Pa S <sub>DS</sub> = 2.0g for z/h: S <sub>DS</sub> = 2.5g for z/h:	=1	s I <sub>p</sub> = 1.5		ilding CBC 20	
TABLE	1	Mounting Co	nfiguration: Ce	iling Mo	unted	- Rigid		
Cor	struction Sur	nmary		Options	s Sumn	nary		
Constructed of	carbon steel, alur components	ninum, and plastic	134" to 2	2 or 3 M 228" and 1	leter Bric 2m Long		Rails	
		ORCO	DECO					
Assen (Compo		Subcomponents	Model Number	Max. D	imensio W	ons (in) H <sup>1</sup>	Wt. (Ib)	U
Overhead Tube (3 meter		3 Meter Bridge Tube Support <sup>2</sup> X-Ray Tube SP- Collimator (AL01C II eL) Longitudinal Rails (134" to 228")	5823489 5822306 46-155400G284 5730663 46-316480G1 to 46-316480G24	128.9	228	41.1 - 104.1	1,111	
Overhead Tube (3 meter		3 Meter Bridge Tube Support <sup>2</sup> X-Ray Tube Collimator (AL01C II eL) Longitudinal Rails (134" to 228") Longitudinal Rails (12m)	5823489 5822306 46-155400G284 5730663 46-316480G1 to 46-316480G24 5492991	128.9	472	41.1 - 104.1	1,259	Inte
Overhead Tube (3 meter		3 Meter Bridge Tube Support <sup>3</sup> X-Ray Tube Collimator (AL01C II eL) Longitudinal Rails (134" to 228")	5823489 5822306-1 46-155400G284 5730663 46-316480G1 to 46-316480G24	128.9	228	41.1 - 104.1	1,111	Sa
Overhead Tube (3 meter	•	3 Meter Bridge Tube Support <sup>3</sup> X-Ray Tube Collimator (AL01C II eL) Longitudinal Rails (134" to 228") Longitudinal Rails (12m)	5823489 5822306-1 46-155400G284 5730663 46-316480G1 to 46-316480G24 5492991	128.9	472	41.1 - 104.1	1,259	Inte

**Notes: 1.** Range of outer height from top of longitudinal rail to lowest point. **2**. China made **3**. Mexico made **4**. Design, construction, materials and grades, quality control and quality assurance methods used in manufacturing for products in the US, Mexico, and China are identical. Manufacturing process at all locations are ISO 13485 certified.



**Seismic Parameters** 

Manufacturer:GE HealthcareProduct Type:Fluoroscopy and Radiography SystemsModel Line:Definium Tempo / Definium Tempo Pro



Mounting Configuration: Base Mounted - Rigid

S<sub>DS</sub> = 2.0g for z/h=1

S<sub>DS</sub> = 2.5g for z/h=0

**Options Summary** 

 $I_{p} = 1.5$ 

Building Codes

**CBC 2022** 

Construction Summary Constructed of carbon steel, aluminum, and plastic components

14x17 or 17x17 FlashPad

Assembly	Subcomponents	Madel Number <sup>1</sup>	Max. C	Wt.	UUT		
Assembly	Subcomponents	Model Number <sup>1</sup>	D	W	н	(lb)	
Radiographic Table	Table <sup>1</sup>	GCTBL-C4	33.6	93.7	23-35.4	852	9
Quatara Cabinata	System Cabinet	GCC-C4	23.6	35.4	36.7	459	3
System Cabinets	System Cabinet (Mexico)	GCC-C44	23.6	35.4	36.7	459	Sam
Workstations	HP Z4G4 Workstation <sup>3</sup>	7 8780000-W27	9.6	22.6	20.1	23	4
VVOIKSIAIIOIIS	HP Z4G5 Workstation	8790000-W04	9.6	22.6	20.1	23	10
	Motorized Extended	GCEWS-C3	65.7	27.0	103.5	642	1a,
Wallstands	Motorized	GCWS-C3	<mark>52.</mark> 9	27.0	103.5	624	Inte
vv alistalius	Non-tilting	GCWS-C5	<mark>40</mark> .4	27.0	108.3	554	Inte
	Manual	GCMWS-C5	40.1	27.0	103.4	537	2
FlashPad HD	FlashPad HD 14x17 <sup>2</sup>	5771417	15.0	18.0	0.6	7.2	2
(Subcomponents)	FlashPad HD 17x17	5771717	18.0	18.0	0.6	8.4	9
	BUILD	DING					
							-

Notes:

**1.** Table weight does not inlcude the 617 lb. simulated patient load present during testing. **2.** Seismically certified units shall have the detector retention bracket present when used with 14x17 detector. **3.** Monitor is not included, the monitor is portable. **4.** Design, construction, materials and grades, quality control and quality assurance methods used in manufacturing for products in the US, Mexico, and China are identical. Manufacturing process at all locations are ISO 13485 certified. **5.** New generation of same HP workstation.



**Seismic Parameters** 

Manufacturer:GE HealthcareProduct Type:Fluoroscopy and Radiography SystemsModel Line:Definium Tempo / Definium Tempo Pro



Mounting Configuration: Wall Mounted - Rigid

S<sub>DS</sub> = 2.0g for z/h=1

S<sub>DS</sub> = 2.5g for z/h=0

**Options Summary** 

 $I_{p} = 1.5$ 

Building Codes

**CBC 2022** 

Constructed of carbon steel, aluminum, and plastic components

**Construction Summary** 

Assembly	Manufacturer	Model Number	Max. C	Dimensi		Wt.	υυτ
Assembly			D	W	H <sup>1</sup>	(lb)	
AP Assembly	Aruba Networks	5845913	5.5	5.5	0.8	1.3	5
Tether Interface Box (TIB)	GE Hualun Medical Systems, Co. Ltd.	5876669	5.7	10	12.2	15	6
	OSP-	-0752	Fi)				
	O BY: Moham	mad Karim	0				
	0 DATE: 10/	46/2024					
			\$/				
	ORVIA BUIL						
	DUIL	DINC					



TABLE 4

## SPECIAL SEISMIC CERTIFICATION

# SEISMIC PARAMETERS

Component	F <sub>p</sub> /W <sub>p</sub>	S <sub>DS</sub>	z/h	a <sub>p</sub>	R <sub>p</sub>
Overhead Tube Supports	3.60 1.50	2.0 2.5	1 0	2.5	2.5
Patient Tables	2.40 1.13	2.0 2.5	1 0	1.0	1.5
Wallstands	2.40 1.13	2.0 2.5	1 0	1.0	1.5
System Cabinets	1.44 1.13	2.0 CO 2.5	DECON	1.0	2.5
Workstations	1.50 1.13	2.0 2.5		2.5	6.0
FlashPads	1.50 1.13	2.0 2.5)SP-	1 0752 0	2.5	6.0
AP Assembly	1.50 1.13	2.0	1 nad Karlm	2.5	6.0
Tether Interface Box	1.50 1.13	2.0 2.5	1 0 6/2024	2.5	6.0



Pre No. CC241454-02-R0

UUT	Model	Test Report	Test Laboratory	S <sub>DS</sub>	z/h	l <sub>p</sub>
1a	Motorized Extended Wall (GCEWS- C3) w/FlashPad HD 17x17 with Detector Tray (Base mounted - rigid)	SQ12-1812-01 r2 (UUT 8)	Environmental Testing Laboratory (ETL)	2.0 2.5	1.0 0.0	1.5
1b	Motorized Extended Wall (GCEWS- C3) w/FlashPad HD 17x17 without Detector Tray (Base mounted - rigid)	SQ12-1812-01 r2 (UUT 8A)	Environmental Testing Laboratory (ETL)	2.0 2.5	1.0 0.0	1.5
2	Manual Extended Wall (GCMWS- C5) w/FlashPad HD 14x17 (Base Mounted - rigid)	SQ12-1812-01 r2 (UUT 9)	Environmental Testing Laboratory (ETL)	2.0 2.5	1.0 0.0	1.5
3	System Cabinet (GCC-C4) (Base Mounted - rigid)	No. B22X80804 Rev. 1 (UUT 3)	China Telecommunication Technology Lab (CTTL)	2.0 2.5	1.0 0.0	1.5
4	HP Z4G4 Workstation (8780000-W27) (Base Mounted - rigid)	No. B22X80804 Rev. 1 (UUT 4)	China Telecommunication Technology Lab (CTTL)	2.0 2.5	1.0 0.0	1.5
5	AP Assembly (5845913) w/ Mounting Bracket (Wall mounted - rigid)	No. B22X80804 Rev. 1	China Telecommunication	2.0 2.5	1.0 0.0	1.5
6	Tether Interface Box, TIB (5876669) (Wall mounted - Rigid)	No. B22X80804 Rev. 1 (UUT 6)	China Telecommunication Technology Lab (CTTL)	2.0 2.5	1.0 0.0	1.5
7	Overhead Tube Suspension (2 meter bridge) (Ceiling mounted - rigid)	No. B22X80805 Rev. 1 (UUT 3)	China Telecommunication Technology Lab (CTTL)	2.0 2.5	1.0 0.0	1.5
8	Overhead Tube Suspension (3 meter bridge) (Ceiling mounted - rigid)	No. B22X80805 Rev. 1 (UUT 1)	China Telecommunication Technology Lab (CTTL)	2.0 2.5	1.0 0.0	1.5
9	Radiographic Table (GCTBL-C4) w/FlashPad HD 17x17 (Base mounted - rigid)	No. B22X80805 Rev. 1 (UUT 2)	China Telecommunication Technology Lab (CTTL)	2.0 2.5	1.0 0.0	1.5
10	HP Z4G5 Workstation (Base Mounted - rigid)	No. 24B02X801692-001 (UUT 1)	CAICT	2.0 2.5	1.0 0.0	1.5



		UUT	'1a	Tes	t Repo	ort# SQ	12-1812-	01 (UUT	8)
Manufacturer: Model Line: Model Number:	GE Hualun Medical Definium Tempo / D Motorized Extended	efinium Tempo Pro	<b>S<sub>DS</sub></b> 2.0 2.5	<b>High</b> <b>z/h</b> 1 0	est Pas I <sub>p</sub> 1.5	ssed Te A <sub>flx-h</sub> 3.2	est Leve A <sub>rig-h</sub> 2.4	<b>A<sub>flx-v</sub></b> 1.67	<b>A<sub>rig-v</sub></b> 0.67
Serial Number:	w/FlashPad HD 17x <sup>-</sup> Seis Ex WS-01	· · ·	2.0	0					
Depth (in) Width 65.7 27 Building Code CBC 2022	7 103.5 es Te	Weight (lbs.) 642 st Criteria C-ES AC156	Constructed	ack Constr of carbo	Sid uction	de-Side 8.05 /Option	uency ( Summ m, and p	Vertic 6.97 ary	
UU	T Mounting Details	: mr		List of I	<u> </u>	d Subc		ents odel #	
C	-	10/	Detector: GE FlashPad removable de	ITA OT			Nodel No. erial No. 3	5781717	-
			X-Ray Grid 130cm by *Grid holder mechanism secure grid	Mitaya Mf tray inclu which is	g. Co. Lte ided a s not par	d. suppleme t of the s		hing	
Grade 8 bolts to tap UUT 1a used a Flac release latch screw Unit maintained stru operational per main	se mounted using (4) so oped holes in aluminum shPad HD 17x17 with vs uctural integrity and rea nufacturer requirement nts were included in th	n plate. detector tray mained : following shake							

Pre Compliance



		UUT	1b	Tes	t Repo	ort# SQ	12-1812-	01 (UUT	<sup>-</sup> 8A)
Manufacturer: Model Line:	GE Hualun Medical Definium Tempo / D	•	S <sub>DS</sub>	Passed Test Level A <sub>flx-h</sub> A <sub>rig-h</sub> A <sub>flx-v</sub> A					
Model Number:	Motorized Extended w/FlashPad HD 17x <sup>-</sup> tray	, , , ,	2.0 2.5	1 0	1.5	3.2	2.4	1.67	0.67
Serial Number:	Seis Ex WS-01								
Depth (in) Width 65.7 27 Building Code	7 103.5	Weight (Ibs.) 642 st Criteria	D Front-B 3.75	ack Constr	Sid uction	al Freq de-Side 8.05 /Option	Summ	Vertic 6.97 ary	
CBC 2022	A	C-ES AC156OSP-	Constructed components						
UU	T Mounting Details	imn		List of I	nclude	d Subc	ompon	ents	
		TE: 10/	Detector: GE FlashPad removable de X-Ray Gric 130cm by	etector I (Anti-Sca	ess atter Gric	I):	Model No. erial No. 3 GE P/N 4	31825717	E2451
			*Grid holder mechanism, secure grid	which is	not par	t of the s		•	luct, to
Grade 8 bolts to tap UUT 1b used a Flat release latch screw Unit maintained stre operational per man	se mounted using (4) soped holes in aluminur shPad HD 17x17 withour s. uctural integrity and re nufacturer requirement nts were included in th	n plate. out detector tray mained t following shake							



		UUT	2	Te	st Rep	ort# SQ	12-1812-	01 (UUT	-9)
Manufacturer:	GE Hualun Medical			Hiah	nest Pa	ssed Te	ost I eve		
Model Line:	Definium Tempo / D	•	S <sub>DS</sub>	z/h	I a l <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	3.2	2.4	1.67	0.67
Model Number:	Manual Extended W w/FlashPad HD 14x	. ,	2.5	0	1.0	0.2	2.7	1.07	0.07
	mensions/Weights				t Natur	al Freq	uency (	Hz)	
Depth (in) Width		Weight (lbs.)	Front-B		Si	de-Side		Vertio	
40.4 27	7 103.5	537	9.72			9.49		>33.	3
Building Code		est Criteria		Const	ruction	/Option	Summ	arv	
			Constructed						
CBC 2022		C-ES AC156	components	N Z	2				
UU	T Mounting Details	s: P-(		List of I	Include	d Subc	ompon	ents	
				escriptio	on		M	odel #	
	-	BY: Mohamm	had Karim	coonpa			101		
C			Detector:				Model N	No. 57714	117
			GE FlashPad removable de			S S	erial No. 3	31736417	'E1502
-		•	X-Ray Gric 120cm by I		h	·	GE P/N 4	6-28612	9P74
			*Grid holder mechanism, secure grid	which is	s not pai	t of the s			duct, to
Grade 8 bolts to tap Detector tray include states is part of the 14x17 detector to the	moved to exchange d	m plate. t which GE t, to secure etectors and re-							
operational per mar	nufacturer requiremen nts were included in th	t following shake							

10/16/2024

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List of Included Subcomponents

Model #

N/A

Description

N/A

	UUT	- 3	Te	st Repo	ort# B22	X80804	Rev.1 (l	JUT3)
Manufacturer:	GE Hualun Medical Systems, Co, Ltd		High	iest Pa	ssed Te	est Leve		
Model Line:	Definium Tempo / Definium Tempo Pro	S <sub>DS</sub>	z/h	۱ <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	3.2	2.4	1.67	0.67
Model Number:	System Cabinet (GCC-C4)	2.5	0	1.0	5 5.2	2.7	1.07	0.07

	Dimens	ions/Weights	;	Lowest Natural Frequency (Hz)					
Depth (in)	Width (in)	Height (in)	Weight (lbs.)	Front-Back	Side-Side	Vertical			
23.6	35.4	36.7	459	11	12.77	>33.3			
			ORC	ODECO					
Building	g Codes	Те	est Criteria	Constr	uction/Option Sur	nmary			
CBC 2022			C-ES AC156	Constructed of carbo components	n steel, aluminum, ar	nd plastic			

Mohammad Karim

JING COD

**UUT Mounting Details:** 

	Mohammad Karir
and a	ΓΕ: 10/1 <del>6/2024</del>
	BUILDING

UUT was rigid base mounted to the fixture using (6) M8 screws. The fixture is connected to the table using (4) M16 screws.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

**Pre Compliance** 

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**List of Included Subcomponents** 

Model #

N/A

Description

N/A

UUT 4

Test Report# B22X80804 Rev.1 (UUT4) HP **Highest Passed Test Level** Manufacturer: S<sub>DS</sub> Model Line: Definium Tempo / Definium Tempo Pro z/h A<sub>flx-h</sub>  $\mathbf{A}_{\mathsf{flx-v}}$ l<sub>p</sub> A<sub>rig-v</sub> A<sub>rig-h</sub> 2.0 1 1.5 3.2 2.4 1.67 0.67 Model Number: HP Z4G4 Workstation (8780000-W27) 2.5 0

	Dimens	ions/Weights	5	Lowest Natural Frequency (Hz)						
Depth (in)	Width (in)	Height (in)	Weight (lbs.)	Front-Back	Side-Side	Vertical				
9.6	22.6	20.1	23	23.5	>33.3	>33.3				
Building	Codes	Тс	st Critoria	ODE Const	ruction/Ontion Sur	mmary				
Building Codes Test Criteria   CBC 2022 ICC-ES AC156				Construction/Option Summary Constructed of carbon steel, aluminum, and plastic components						

**UUT Mounting Details:** 

	Des Mohammad Karim
Ser.	E: 10/1 <del>6/2024</del>
T	
00	BUILDING

UUT was rigid base mounted to the fixture using (4) M6 screws. The fixture is connected to the table using (4) M16 screws.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

Pre Compliance

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		UUT	Г 5	Tes	st Repo	ort# B22	2X80804	Rev.1 (I	JUT5)
Manufacturer:	Aruba Networks, Ind	<b>.</b>		High	est Pa	ssed Te	est Leve	el	
Model Line:	Definium Tempo / D	efinium Tempo Pro	S <sub>DS</sub>	z/h	l <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	$A_{rig-v}$
Model Number:	AP Assembly (5845 bracket	913) w/mounting	2.0 2.5	1 0	1.5	3.2	2.4	1.67	0.67
D	imensions/Weights	<b>;</b>		Lowes	t Natur	al Freq	uency (	Hz)	
	h (in) Height (in)	Weight (lbs.) 1.3	Front-Bank			<b>de-Side</b> N/A		Vertio N/A	
Building Cod CBC 2022		est Criteria C-ES AC156	Constructed components	of carbo		Option aluminu			
UL	JT Mounting Details	s: P-	· ( L	list of I	nclude	d Subc	ompon	ents	
			De mad Karim	escriptic	n		M	odel #	
		E: 10/	1 <del>6/2024</del>					N/A	
screws. The fixture M16 screws. Mour Unit maintained str operational per ma	I mounted to the fixture e is connected to the tanting bracket (GE mod ructural integrity and re anufacturer requirement ents were included in the ns.	ble using (6) el no. 5855356). emained it following shake							

Pre Compliance



List of Included Subcomponents

Model #

N/A

	UUT	6	Tes	st Repo	ort# B22	X80804	Rev.1 (l	JUT6)
Manufacturer:	GE Hualun Medical Systems, Co, Ltd		High	iest Pa	ssed Te	est Leve	el	
Model Line:	Definium Tempo / Definium Tempo Pro	S <sub>DS</sub>	z/h	ا <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	$A_{flx-v}$	A <sub>rig-v</sub>
		2.0	1	1.5	3.2	2.4	1.67	0.67
Model Number:	Tether Interface box, TIB (5876669)	2.5	0	1.0	0.2	2.4	1.07	0.07

Depth (in)Width (in)Height (in)Weight (lbs.)Front-BackSide-SideVerti5.71012.215N/AN/AN/A	
5.7 10 12.2 15 N/A N/A N/A	
OR CODE C	
Building Codes Test Criteria Construction/Option Summary	
CBC 2022 ICC-ES AC156 Constructed of carbon steel, aluminum, and plastic components	

**UUT Mounting Details:** 

Description Description	
OILDING	

UUT was rigid wall mounted to the fixture using (2) M8 screws. The fixture is connected to the table using (6) M16 screws.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

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	UUT	۲7	Te	st Rep	ort# B22	2X80805	Rev.1 (l	JUT3)
Manufacturer:	GE Hualun Medical Systems, Co, Ltd		High	est Pa	ssed Te	est Leve	el 🛛	
Model Line:	Definium Tempo/Definium Tempo Pro	S <sub>DS</sub>	z/h	l <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	3.2	2.4	1.67	0.67
Model Number:	Overhead Tube Suspension (2 meter bridge)	2.5	0	1.5	0.2	2.7	1.07	0.07

Dimensions/Weights				Lowest Natural Frequency (Hz)					
Depth (in)	Width (in)	Height (in) <sup>1</sup>	Weight (lbs.)	Front-Back	Side-Side	Vertical			
90.9	228	72.0	1,065 R C (	DDE N/A	N/A	N/A			
Building	g Codes	Те	est Criteria	Construc	tion/Option	Summarv			
	2022		C-ES AC156	Constructed of carbon s components					
	UUT Mo	unting Details	;:	List of Inc	luded Subco	mponents			
	2m B	ridge 6m Rail	BV. Moham	mad Kari Description		Model #			
			10	Collimator (AL01C (GE Healthcare		5730663			
	F			G4 OTS		5822306			
				Longitudinal Rails ( (GE Healthcare		46-316480G24			
and the second		4403	/IL	OTS 2M Bridge (GE Healthcare		5823488			
5	The second secon			Tube Support (GE Healthcare		5822306			
	[	G4 OTS		X-Ray Tube (GE Healthcare	e)	46-154400G284			
				<sup>1</sup> Outer height from top of	of longitudinal ra	ail to the lowest point			
		unted. The 6m r							
-		he fixture with (2 o the table with	24) M12 screws. (16) M16	Min Height: 41.	1"				
		m was powered	. ,	Max Height: 104					
y an electro ormal use.	-	ake when testing	g, same as						

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

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		UUT	8	Tes	st Repo	o <b>rt</b> # B22	X80805	Rev.1 (l	JUT1)
Manufacturer: Model Line:	GE Hualun Medical Definium Tempo/De	•	S <sub>DS</sub>	High z/h	est Pa I <sub>p</sub>	ssed Te A <sub>flx-h</sub>	st Leve A <sub>rig-h</sub>	el A <sub>flx-v</sub>	A <sub>rig-v</sub>
Model Number:	Overhead Tube Sus bridge)	pension (3 meter	2.0 2.5	1 0	1.5	3.2	2.4	1.67	0.67
Di	mensions/Weights			Lowes	t Natur	al Frequ	uency (	Hz)	
<b>Depth (in) Width</b> 128.9 22		Weight (lbs.) 1,111 CO	Front-B		Si	<b>de-Side</b> N/A		<b>Vertic</b> N/A	
Building Code CBC 2022 UU		OSP-0		of carbo	on steel,	/Option aluminur	m, and p	lastic	
3m Bridge		RV· Mohamm						odel #	
		10/1	Collimat	or (AL01 Healthc			57	30663	
			Longitud (GE	linal Rai Healthc	· · · · ·		46-31	6480G2	24
				S 3M Bri Healthc	•		58	323489	
				be Supp Healthc			58	322306	
				Ray Tub Healthc			46-154	4400G28	34
	G4 OTS		<sup>1</sup> Outer heigh	nt from to	p of lon	gitudinal	rail to the	e lowest	point:
	na mounted. The 6m r	ail and 3m	Min	Height: 4	1.1"				

UUT was rigid ceiling mounted. The 6m rail and 3m bridge are connected to the fixture with (24) M12 screws. The fixture is connected to the table with (16) M16 screws. The bridge system was powered on and locked by an electromagnetic brake when testing, same as normal use.

Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

Max Height: 104.1"	

Pre Compliance



		UU	Г 9	Tes	st Repo	ort# B22	2X80805	Rev.1 (l	JUT2)
Manufacturer:	GE Hualun Medical	Systems, Co, Ltd	Highest Passed Test Level						
Model Line:	Definium Tempo / D	efinium Tempo Pro	S <sub>DS</sub>	z/h	l <sub>p</sub>	A <sub>flx-h</sub>	A <sub>rig-h</sub>	A <sub>flx-v</sub>	A <sub>rig-v</sub>
Model Number:	Radiographic Table w/FlashPad HD 17x	. ,	2.0 2.5	1 0	1.5	3.2	2.4	1.67	0.67
Dimensions/Weights Depth (in) Width (in) Height (in) <sup>1</sup> Weight (lbs.) <sup>2</sup>			Lowest Natural Frequency (Hz) Front-Back Side-Side Vertical						
<b>Depth (in) Width</b> 33.6 93	., .,	Weight (lbs.) <sup>2</sup> 860 R CC	DE 3.99		31	2.5		8.24	
Building Code	es Te	est Criteria		Constr	uction	/Option	Summ	ary	
Building Codes Test Criteria Construction/Option Summary   CBC 2022 ICC-ES AC156 Constructed of carbon steel, aluminum, and plastic components									
	4		0752		2				
UU	T Mounting Details					d Subc	ompon	ents	
	0	BY: Mohamr	mad Karı	escriptio	on		Μ	odel #	
280kg Counterweight		Detector: GE FlashPad HD 4343 wireless removable detector				5771717			
GCTBL-C4	71.	17x17 Detector	DINGCO						
Table			<sup>2</sup> Weight liste			•			
	1011		simulated patient load present dur				testing	s not inc	luded.
			Min Height: 23.0"						
			<sup>1</sup> Max Height						
fixture is connected Unit maintained str operational per ma	e mounted using (4) M d to the table using (4) uctural integrity and re nufacturer requiremen nts were included in th s.	M16 screws. mained it following shake							

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**UUT 10** Test Report# 24B02X801692 (UUT1) HP **Highest Passed Test Level** Manufacturer: Definium Tempo / Definium Tempo Pro A<sub>flx-h</sub> Model Line: S<sub>DS</sub> z/h l<sub>p</sub> A<sub>flx-v</sub> A<sub>rig-h</sub> A<sub>rig-v</sub> 2.0 1 1.5 3.2 2.4 1.67 0.67 Product Name: HP Z4G5 Workstation 0 2.5 8790000-W04 Model Number: Lowest Natural Frequency (Hz) **Dimensions/Weights** Height (in) Weight (lbs.) **Front-Back** Depth (in) Width (in) Side-Side Vertical 20.1 26.56 15.23 >33.3 9.6 22.6 23 CODF D **Building Codes Construction/Option Summary Test Criteria** Constructed of carbon steel, aluminum, and plastic CBC 2022 **ICC-ES** AC156 components **UUT Mounting Details: List of Included Subcomponents** Description Model # hammad Karim N/A N/A 10/1<del>6/2024</del> DINGCOS UUT is connected to seismic bracket frame by belt. The seismic bracket frame is connected to fixture by (4) M6 bolts. Unit maintained structural integrity and remained operational per manufacturer requirement following shake table test. All contents were included in the unit per operating conditions.

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