

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-0614
HCAI Special Seismic Certification Preapproval (OSP)	
Type: New X Renewal	
Manufacturer Information	
Manufacturer: Philips Medical Systems DMC GmbH	
Manufacturer's Technical Representative: Ming Xiao	
Mailing Address: Roentgenstrasse 24, Hamburg, N/A 22335	
Telephone: (49403) 497-1230 Email: Ming.Xiao@Philip	os.com
Product Information	
Product Name: DigitalDiagnost C90 and Radiography 7300 C	
Product Model Number(s): See attachment	ET.
Product Category: Fluoroscopy and Radiography Systems 14	I G
Product Sub-Category: NA	
General Description: Multiple component digital radiography and fluorosc	opy medical diagnostic imagining system.
Mounting Description: Several - See Certified Product Tables -	
Tested Seismic Enhancements: Seismic enhancements made to the test anomalies during the tests shall be incor	units and/or modifications required to address porated into the production units.
Applicant Information	
Applicant Company Name: W.E. Gundy & Associates, Inc.	22
Contact Person: Travis Soppe	
Mailing Address: 1199 Shoreline Drive Suite 310, Boise, ID 83702	
Telephone: (208) 342-5989 Email: tsoppe@wegai.ce	om
Title: President	



STATE OF CALIFORNIA – HEALTH AND HUMAN SERVICES AGENCY

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OSP-0614



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: W.E. GUNDY & ASOCIATES INC.
Name: Travis Soppe California License Number: S6115
Mailing Address: P.O. Box 9121, Boise, ID 83707
Telephone: (208) 342-5989 Email: tsoppe@wegai.com
Certification Method
GR-63-Core X ICC-ES AC156 IEEE 344 IEEE 693 NEBS 3
Other (Please Specify):
EOR CODE COL
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 By Email: jeremy@etIdallas.com
Company Name: IABG TEST LABORATORY
Contact Person: Steffen Roedling Q DATE: 02/19/2025
Mailing Address: Einsteinstrasse 20, Ottobrunn Bavaria 85521
Telephone: (49896) 088-2052 Email: roedling@iabg.de
BUILDING



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Seis	mic Parameters			
Desig	n Basis of Equipment or Components	(Fp/Wp) = See Attachments		
	SDS (Design spectral response accele	eration at short period, g) = 2.00, z/h	= 1.0 and 2	2.50, z/h = 0
	ap (Amplification factor) =	Multiple, see attachment		
	Rp (Response modification factor) =	Multiple, see attachment		
	Ω_0 (System overstrength factor) =	See Attachment		
	Ip (Importance factor) =	1.5		
	z/h (Height ratio factor) =	1 and 0		
	Natural frequencies (Hz) =	See Attachment		
	Overall dimensions and weight =	See Attachment		
		JED - ONS	-	
HCA	Approval (For Office Use Only) -	Approval Expires on 02/19/2031		
Date:	2/19/2025	OSP-0614	G	
Name	e: Mohammad Karim		Title:	Supervisor, Health Facilities
Speci	al Seismic Certification Valid Up to: St	os (g) = 2.0	z/h =	1
Condi	tion of Approval (if applicable):	DATE: 02/19/2025		
		PRVIA BUILDING COD	202	



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OSP-0614

igitalDiagnost C adiography 7300			PHILIPS MEDICAL SYSTEMS DMC GmbH SPECIAL SEISMIC CERTIFICATION CERTIFIED SYSTEM AND COMPONENTS								
1			Mar	nufactur	r er: Philips	Systems DMC GmbH					
System Component ¹ Philips Part Numb				mensior Length	、 <i>,</i>	Weight (lb)	Mounting	UUT ⁴			
	Ceiling	Suspens	ion CSN	/I Produ	ict Family						
n CSM3 (Short) rt Move (2D)	9890-01	0-87703	31.0	92.8	45.5-110.7	532	ceiling	UUT _w -2			
n CSM3 (Short) Move (2D / 3D)	9890-01	0-87703	31.0	92.8	45.5-110.7	532	ceiling	Interpolated			
n CSM3 (Long) rt Move (2D)	9890-01	0-87703	31.0	159.0	45.5-110.7	577	ceiling	UUT _w -1			
n CSM3 (Long) Move (2D / 3D)	9890-01	0-87703	31.0	159.0	45.5-110.7	577	ceiling	Interpolated			
n CSM3 (Short) osition (2D / 3D)	9890-01	0-87703	31.0	92.8	45.5-110.7	577	ceiling	Interpolated			
n CSM3 (Long) osition (2D / <mark>3D)</mark>	9890-01	0-87703	BB31.06	1	45.5-110,7	622	ceiling	Interpolated			
Ceiling Suspension CSM3 (Long) Version: Comfort Position (3D) 9890-010-8		0-87703	ar <u>31.0</u> a(159.0	<mark>4</mark> 5.5-11 <mark>0</mark> .7	622	ceiling	UUT _v -1			
	Digi	tal Tabl	e TH Pı	oduct F	amily						
TH2 ector	9848-60	0-02222	33.5	94.5	20.8-36.4	612 ²	floor	UUT _y -1			
TH2 tector	9848-60	0-02222	33.5	94.5	20.8-36.4	615 ²	floor	UUT _y -2			
TH2 rector	9848-60	0-02222	33.5	94.5	20.8-36.4	603 ²	floor	UUT _w -3			
 ¹ All components are manufactured by Philips Medical Systems DMC GmbH unless noted in (). The part numbers listed uniquely identify the type of component, manufacturer, and material of construction for each sub-component within the tested units. ² Table TH2 weights listed do not include 560lb UUTy-1/2 and 660lb UUTw-3 simulated patient weight used during the seismic tests. ³ The "a" designation indicates differences in color and software for the identified access point configuration. ⁴ The units were tested at different times and the subscripts on the UUT's reference the following seismic certification test reports: v = TA-B-005165-V2 / w = TAB3-PB-19-020-V1 / x = TAF4-PB-18-082-V1 / y = SQ13-1703-01 / z = SQ13-1701-01 											
	SEISM		RTIFIC	ATION	LIMITS	r					
nponent	Code	$S_{DS}\left(g ight)$	z / h	I _P	a _P	R _P	Ω ₀	$\mathbf{F}_{\mathbf{P}}$ / $\mathbf{W}_{\mathbf{P}}$			
nsion CSM		2.0	1.0	1.50	2.5	2.5	2.0	3.60			
ble TH	CBC	2.0	1.0	1.50	1.0	1.5	1.5	1.50 2.40 1.13			
	a CSM3 (Short) a CSM3 (Short) Move (2D) a CSM3 (Long) a CSM3 (Long) a CSM3 (Long) Move (2D / 3D) a CSM3 (Long) Move (2D / 3D) a CSM3 (Long) position (2D / 3D) a CSM3 (Long) position (3D) a CSM3 (Long) Position (3D) a CSM3 (Long) Position (3D) CH2 ector CH2 ector TH2 tector TH2 tector TH2 ector TAB3-I	Part NCeilingCSM3 (Short) t Move (2D)9890-014CSM3 (Short) Move (2D / 3D)9890-014CSM3 (Long) t Move (2D / 3D)9890-014CSM3 (Long) Move (2D / 3D)9890-014CSM3 (Long) Disition (2D / 3D)9890-014CSM3 (Long) Disition (2D / 3D)9890-014CSM3 (Long) Disition (2D / 3D)9890-014CSM3 (Long) Disition (2D / 3D)9890-014CSM3 (Long) Position (3D)9890-014CSM3 (Long) Position (3D)9890-014DigiDigiCH2 ector9848-60CH2 ect	Part NumberCeiling SuspensCSM3 (Short) Move (2D / 3D) $9890-010-87703$ CSM3 (Long) Move (2D / 3D) $9890-010-87703$ CSM3 (Long) Move (2D / 3D) $9890-010-87703$ CSM3 (Long) Move (2D / 3D) $9890-010-87703$ CSM3 (Short) Distion (2D / 3D) $9890-010-87703$ CSM3 (Long) Distion (2D / 3D) $9890-010-87703$ CSM3 (Long) Distion (2D / 3D) $9890-010-87703$ CSM3 (Long) Distion (2D / 3D) $9890-010-87703$ CSM3 (Long) Position (3D) $9890-010-87703$ Digital TableTH2 ector $9848-600-02222$ TH2 ector $9848-600-02222$ TH2 ec	Part NumberWidthCeiling Suspension CSMCSM3 (Short) $9890-010-87703$ 31.0 CSM3 (Short) $9890-010-87703$ 31.0 CSM3 (Long) $9890-010-87703$ 31.0 CSM3 (Long) $9890-010-87703$ 31.0 CSM3 (Long) $9890-010-87703$ 31.0 CSM3 (Short) $9890-010-87703$ 31.0 CSM3 (Long) $9890-010-87703$ 31.0 CSM3 (Short) $9890-010-87703$ 31.0 Distion (2D / 3D) $9890-010-87703$ 31.0 CSM3 (Long) $9890-010-87703$ 31.0 Digital Table TH PrCSM3 (Long) $9890-010-87703$ 31.0 Position (3D) $9890-010-87703$ 31.0 Digital Table TH PrPrH2 $9848-600-02222$ 33.5 H2 $9848-600-02222$ 33.5 </td <td>Part Number Width Length Ceiling Suspension CSM Product CSM3 (Short) 9890-010-87703 31.0 92.8 a CSM3 (Short) 9890-010-87703 31.0 92.8 a CSM3 (Long) 9890-010-87703 31.0 92.8 a CSM3 (Long) 9890-010-87703 31.0 159.0 a CSM3 (Long) 9890-010-87703 31.0 159.0 a CSM3 (Short) 9890-010-87703 31.0 159.0 a CSM3 (Long) 9890-010-87703 31.0 159.0 b Digital Table TH Product H THP 9848-600-02222 33.5 94.5 CH2 9848-600-02222 33.5 94.5 94.5 TH2</td> <td>Part Number Width Length Height Ceiling Suspension CSM Product Family a CSM3 (Short) 9890-010-87703 31.0 92.8 $45.5-110.7$ a CSM3 (Short) 9890-010-87703 31.0 92.8 $45.5-110.7$ a CSM3 (Long) 9890-010-87703 31.0 159.0 $45.5-110.7$ b CSM3 (Long) 9890-010-87703 31.0 159.0 $45.5-110.7$ a CSM3 (Long) 9890-010-87703 31.0 159.0 $45.5-110.7$ a CSM3 (Long) 9890-010-87703 31.0 159.0 $45.5-110.7$ b a CSM3 (Long) 9890-010-87703 31.0 159.0 $45.5-110.7$ c CSM3 (Long) 9890-010-87703 31.0 159.0 $45.5-110.7$ b a CSM3 (Long) 9890-010-87703 31.0 159.0<</td> <td>Part Number Width Length Height (b) Ceiling Suspension CSM Product Family a CSM3 (Sort) 9890-010-87703 31.0 92.8 $45.5-110.7$ 532 a CSM3 (Short) 9890-010-87703 31.0 92.8 $45.5-110.7$ 532 a CSM3 (Long) 9890-010-87703 31.0 159.0 $45.5-110.7$ 577 a CSM3 (Long) 9890-010-87703 31.0 159.0 $45.5-110.7$ 577 a CSM3 (Short) 9890-010-87703 31.0 159.0 $45.5-110.7$ 577 a CSM3 (Long) 9890-010-87703 31.0 159.0 $45.5-110.7$ 577 a CSM3 (Long) 9890-010-87703 31.0 159.0 $45.5-110.7$ 622 b CSM3 (Long) 9890-010-87703 31.0 159.0 $45.5-110.7$ 622 a CSM3 (Long) 9890-010-87703 31.0 159.0 $45.5-110.7$ 622 b CSM3 (Long) 9848-600-02222 33.5 94.5 $20.8-36.4$ 612^2</td> <td>Part Number Width Length Height (lb) C Ceiling Suspension CSM Product Family CosM3 (Short) 9890-010-87703 31.0 92.8 45.5-110.7 532 ceiling a CSM3 (Long) 9890-010-87703 31.0 159.0 45.5-110.7 577 ceiling a CSM3 (Long) 9890-010-87703 31.0 159.0 45.5-110.7 577 ceiling a CSM3 (Long) 9890-010-87703 31.0 159.0 45.5-110.7 577 ceiling a CSM3 (Long) 9890-010-87703 31.0 159.0 45.5-110.7 622 ceiling a CSM3 (Long) 9890-010-87703 31.0 159.0 45.5-110.7 622 ceiling b CSM3 (Long) 9890-010-87703 31.0 159.0 45.5-110.7 622 ceiling Digital Table TH Product Family H2 <t< td=""></t<></td>	Part Number Width Length Ceiling Suspension CSM Product CSM3 (Short) 9890-010-87703 31.0 92.8 a CSM3 (Short) 9890-010-87703 31.0 92.8 a CSM3 (Long) 9890-010-87703 31.0 92.8 a CSM3 (Long) 9890-010-87703 31.0 159.0 a CSM3 (Long) 9890-010-87703 31.0 159.0 a CSM3 (Short) 9890-010-87703 31.0 159.0 a CSM3 (Long) 9890-010-87703 31.0 159.0 b Digital Table TH Product H THP 9848-600-02222 33.5 94.5 CH2 9848-600-02222 33.5 94.5 94.5 TH2	Part Number Width Length Height Ceiling Suspension CSM Product Family a CSM3 (Short) 9890-010-87703 31.0 92.8 $45.5-110.7$ a CSM3 (Short) 9890-010-87703 31.0 92.8 $45.5-110.7$ a CSM3 (Long) 9890-010-87703 31.0 159.0 $45.5-110.7$ b CSM3 (Long) 9890-010-87703 31.0 159.0 $45.5-110.7$ a CSM3 (Long) 9890-010-87703 31.0 159.0 $45.5-110.7$ a CSM3 (Long) 9890-010-87703 31.0 159.0 $45.5-110.7$ b a CSM3 (Long) 9890-010-87703 31.0 159.0 $45.5-110.7$ c CSM3 (Long) 9890-010-87703 31.0 159.0 $45.5-110.7$ b a CSM3 (Long) 9890-010-87703 31.0 159.0<	Part Number Width Length Height (b) Ceiling Suspension CSM Product Family a CSM3 (Sort) 9890-010-87703 31.0 92.8 $45.5-110.7$ 532 a CSM3 (Short) 9890-010-87703 31.0 92.8 $45.5-110.7$ 532 a CSM3 (Long) 9890-010-87703 31.0 159.0 $45.5-110.7$ 577 a CSM3 (Long) 9890-010-87703 31.0 159.0 $45.5-110.7$ 577 a CSM3 (Short) 9890-010-87703 31.0 159.0 $45.5-110.7$ 577 a CSM3 (Long) 9890-010-87703 31.0 159.0 $45.5-110.7$ 577 a CSM3 (Long) 9890-010-87703 31.0 159.0 $45.5-110.7$ 622 b CSM3 (Long) 9890-010-87703 31.0 159.0 $45.5-110.7$ 622 a CSM3 (Long) 9890-010-87703 31.0 159.0 $45.5-110.7$ 622 b CSM3 (Long) 9848-600-02222 33.5 94.5 $20.8-36.4$ 612^2	Part Number Width Length Height (lb) C Ceiling Suspension CSM Product Family CosM3 (Short) 9890-010-87703 31.0 92.8 45.5-110.7 532 ceiling a CSM3 (Long) 9890-010-87703 31.0 159.0 45.5-110.7 577 ceiling a CSM3 (Long) 9890-010-87703 31.0 159.0 45.5-110.7 577 ceiling a CSM3 (Long) 9890-010-87703 31.0 159.0 45.5-110.7 577 ceiling a CSM3 (Long) 9890-010-87703 31.0 159.0 45.5-110.7 622 ceiling a CSM3 (Long) 9890-010-87703 31.0 159.0 45.5-110.7 622 ceiling b CSM3 (Long) 9890-010-87703 31.0 159.0 45.5-110.7 622 ceiling Digital Table TH Product Family H2 <t< td=""></t<>			

Table 1	PHILIPS SPECI CERTIFI	W.E. GUNDY & STRUCTURAL & EAR	GAI ASSOCIATES, INC. ITHOUAKE ENGINEERING							
Systems:	DigitalDiagnost C Radiography 730			Mai	nufactur	er: Philips	s Medical	l Systems DMC GmbH		
System (Component ¹	Philips Part Number			mension Length		Weight (lb)	Mounting	UUT ⁴	
			ical Star		0		(~)			
	Stand 2 VS2 - Fixed Detector	9897-01		28.3	60.6	82.7	326	floor/wall	UUT _x -2A	
	Stand 2 VS2 - Wifi Detector	9897-01	0-01411	28.3	60.6	82.7	326	floor/wall	UUT _x -2B	
	Stand 2 VS2 Tixed Detector	9897-01	0-01411	23.5	35.5	81.9	562	floor/wall	interpolated	
	Stand 2 VS2 Wifi Detector	9897-01	0-01411	23.5	35.5	81.9	562	floor/wall	UUT _z -8	
		S	Powe	er Distri	bution					
M-Cab	9890-010-88393		5P ¹ 2:26	1 27.6	39.0	236	floor	UUT _y -4		
		Use	r Interfa	nce and	Miscela	neous				
AWS-2X PC	AWS-2X PC (ADVANTECH) 4512-201-11781				1 Karim 10.9	17.6	33	floor	UUT _w -4	
	ccess Point RUBA)	4512 201 12191		02/19 5.9	2025 5.9	2.8	1	wall	UUT _x -4	
	ccess Point RUBA)	4512 201 4512 201	<u>'</u> 4 / / / / / / / / /	5.9	5.9	2.8	1	wall	same	
identify the type ² Table TH2 wei ³ The "a" designa ⁴ The units were	s are manufactured by 1 of component, manufa ghts listed do not inclu ation indicates differen tested at different time 165-V2 / w = TAB3-	cturer, and de 560lb U ces in color s and the su	material o UTy-1/2 a and softw bscripts o	f construc nd 660lb vare for th n the UU'	tion for ea UUTw-3 s e identifie I's referen	ich sub-comp simulated part d access point ce the follow	ponent with tient weigh nt configura ving seismi	nin the tested u t used during t ation. c certification	nits. he seismic tests. test reports:	
		SEISM	IIC CEF	RTIFIC	ATION	LIMITS	1	I		
System	Component	Code	$S_{DS}\left(g ight)$	z / h	Ip	a _P	R _P	Ω ₀	$\mathbf{F}_{\mathbf{P}}$ / $\mathbf{W}_{\mathbf{P}}$	
Vertica	l Stand VS	CBC 2022	2.0 2.5	1.0 0	1.50	1.0	1.5	1.5	2.40 1.13	
M-Cab	oinet CXA	CBC 2022	2.0 2.5	1.0 0	1.50	2.5	6.0	2.0	1.50 1.13	
AWS	S-2X PC	CBC 2022	2.0 2.5	1.0 0	1.50	1.0	2.5	2.0	1.44 1.13	
WIFI A	ccess Point	CBC 2022	2.0 2.5	1.0 0	1.50	1.0	2.5	2.0	1.44 1.13	

Table 2		LIPS MEDICAL PECIAL SEISM				WE	GAI
		CERTIFIED SU	W.E. GUNDY & ASSOCIATES, INC. STRUCTURAL & EARTHQUAKE ENGINEERING				
		iagnost C90 aphy 7300 C			l Systems DMC GmbH		
		Philips	D	imensions (in)	Weight	2
Subcompon	ient	Part Number ¹	Width	Width Length Height		(lb)	UUT ²
		Vertical Stand	d VS Subco	mponent M	atrix		
		9897 010 00843	9.5	1.2	1.0	4	UUT _x -2B
Portable Dete		9897 010 0084a	9.5	1.2	1.0	4	interpolate
Skyplate Small (pixium 2430 EZ)		4598 013 7483a	9.5	1.2	1.0	4	interpolate
(pixiuii 2430	LL)	4512 134 7330a	9.5	1.2	1.0	4	interpolate
		4598 012 4298a	13.8	16.9	1.0	7	interpolate
Portable Dete	ector	4512 134 7214a	13.8	16.9	1.0	7	interpolate
Skyplate La		9897 010 0083a	13.8	16.9	1.0	7	interpolate
(pixium 3543 EZ)		9897 010 0268a	13.8	16.9	1.0	7	interpolate
		989 <mark>7 010 0</mark> 2681	13.8	16.9	1.0	7	UUT _z -8
		4598 009 40141	20.0	19.4	2.0	44	UUT _x -2A
Fixed Detec		4598 009 4014a	$15P_{20.0}$	4 19.4	2.0	44	same
(pixium 4343F	KCE)	4598 009 4015a	20.0	19.4	2.0	44	same
	Dig	gita <mark>l Tab</mark> le TH / Proxi	Diagnost St	and Subcon	nponent Ma	atrix	
		4598-012-42982	13.8	16.9	1.0	7	UUT _w -3
Portable Dete	ector	4 <mark>598-012-4298a</mark>	13.8	16.9	1.0	7	interpolate
Skyplate La		4598-134-7214a	13.8	16.9	1.0	7	interpolate
(pixium 3543	EZ)	9897 010 0268a	13.8	16.9	1.0	7	interpolate
		9897 010 02681	13.8	16.9	1.0	7	UUT _v -1
		4598-009-40141	UT 20.0TN	19.4	2.0	44	UUT _v -2
Fixed Detec		4598-009-4014a	20.0	19.4	2.0	44	same
(pixium 4343F	KCE)	4598-009-4015a	20.0	19.4	2.0	44	same

UUT_v-1

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rails and connecting parts of the system bolt to the unistrut grid at 27" on center with 2-M10 bolts torqued at 60ft-lbs at each location for a total of 24 bolts. The unistrut grid consisted of MURPO#150969 MPR-41/82/2.0 H-Profiles (Unistrut P1001 equivalent) anchored with 2 - M10 bolts with clamping claws (MURPO 157219) at each intersection to the ceiling fixture framing spaced at 23.6" on center.



Test Location: IABG mbH, Germany Test Date

Test Date: July 2024

Report: TA-B-005165-V3

UUT PROPERTIES

Weight (lb)		Dimensions (inches)		Natur	al Fequency	y (Hz)
weight (10)	Width	Depth	Height	FB	SS	V
622	31.0"	159.0"	71.9"	NA	NA	NA

The CS system moves laterally, rotates, and extends up and down to accomodate different patients and procedures. The system was tested in the normal operating position with the system horizontally centered, no rotation, and with an extension of 26.4" making the tested height = 71.9".

SEISMIC TEST PARAMETERS								
Building Code / Test Criteria	$S_{DS}(g)$	z / h	I _P	$A_{FLX-H}(g)$	$A_{RIG-H}(g)$	$A_{FLX-V}(g)$	$A_{RIG-V}(g)$	
CBC 2022 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40			
	2.50	0.0	1.5			1.67	0.67	

UUT_w-1

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rails and connecting parts of the system bolt to the unistrut grid at 25.6" on center with 2-M10 bolts torqued at 30ft-lbs at each location for a total of 24 bolts. The unistrut grid consisted of MURPO#150969 MPR-41/82/2.0 H-Profiles (Unistrut P1001 equivalent) anchored with 2 - M10 bolts with clamping claws (MURPO 157219) at each intersection to the ceiling fixture framing spaced at 23.6" on center.

	r: Philips Medical Ceiling Suspension				Fort Maye			
-	l Number: 9890-(ontiviove			
UUT Functio	n: Digital system	for making	X-ray expo	sures of t	the body.			
	tion: DigitalDiagn					suspension	system - loi	ng rail
	n: IABG mbH, Ger		Test Date		-	-	AB3-PB-19	_
			UUT PRO	PERTIE	S	-		
W. 1 (11)		Dimensic	ons (inches)	1		Natur	al Fequenc	y (Hz)
Weight (lb)	Width		pth		eight	FB	SS	V
577	31.0"	159	9.0"	45.5"	- 110.7"	NA	NA	NA
	noves laterally, rotates normal operating posi 1 height = 71.9".	ition with the	system horizo	ontally cent	tered, no rotat		procedures. T	he system
			IIC TEST	_			A ()	
Building Co	de / Test Criteria	$S_{DS}(g)$	z / h	I _P	$A_{FLX-H}(g)$		$A_{FLX-V}(g)$	$A_{RIG-V}(g)$
CBC 2022 /	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	1 (7	0.67
	as full of contents dur tural integrity during a	0 0			fore and after	the ICC-ES A	1.67 AC156 test. T	0.67 he unit



Mounting Details: Rails and connecting parts of the system bolt to the unistrut grid at 25.6" on center with 2-M10 bolts torqued at 30ft-lbs at each location for a total of 24 bolts. The unistrut grid consisted of MURPO#150969 MPR-41/82/2.0 H-Profiles (Unistrut P1001 equivalent) anchored with 2 - M10 bolts with clamping claws (MURPO 157219) at each intersection to the ceiling fixture framing spaced at 23.6" on center.



Manufacturer: Philips Medical Systems DMC GmbH

Component: Ceiling Suspension CSM3 (Short) Version: Comfort Move

Model / Serial Number: 9890-010-87703 / 19 000001

UUT Function: Digital system for making X-ray exposures of the body.

UUT Description: DigitalDiagnost C90 and Radiography 7300 C ceiling suspension system - short rail

Test Location: IABG mbH, GermanyTest Date: February 2019Report: TAB3-PB-19-020-V1

UUT PROPERTIES

Weight (lb)WidthDepthHeightFBSS		
Wittin Deptin Height ID 55	Vidth Depth Height	FB SS V
532 31.0" 92.8" 45.5" - 110.7" NA NA	1.0" 92.8" 45.5" - 110	NA NA NA

The CS system moves laterally, rotates, and extends up and down to accomodate different patients and procedures. The system was tested in the normal operating position with the system horizontally centered, no rotation, and with an extension of 26.4" making the tested height = 71.9".

SEISMIC TEST PARAMETERS								
Building Code / Test Criteria	$S_{DS}(g)$	z / h	I _P	$A_{FLX-H}(g)$	$A_{RIG-H}(g)$	$A_{FLX-V}(g)$	$A_{RIG-V}(g)$	
CBC 2022 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40			
	2.50	0.0	1.5			1.67	0.67	

UUT_w-3



Mounting Details: Rigid floor mounted with 4 - 1/2" grade 8 bolts torqued to 110ft-lbs with 2 x 1 x 0.625" plate washers.



Manufacturer: Philips Medical Systems DMC GmbH

Component: Table TH2 - Wifi Detector Model / Serial Number: 9848-600-02222 / 19020008

UUT Function: Motorized patient table and dectector system used for X-Ray imaging.

UUT Description: DigitalDiagnost C90 and Radiography 7300 C patient table with installed dectector: Wifi Pixium 3543 EZ - 4598-012-42982

Test Location	rmany	Test Date	: Februar	ry 2019	Report: TAB3-PB-19-020-V1				
		١	UUT PRO	PERTIE	Ś				
Weight (lb)	Dimensions (inches) Natural Fequency (Hz								
with Patient	Width	De	pth	Н	eight	FB	SS	V	
1,263	33.5"	94	94.5" 20.8 - 36.4"		4.0	3.0	7.3		
The patient table moves laterally both ways and vertically to accommodate different patients and procedures. The system was tested in the normal operating position with the table horizontally centered, a table top height of 29.3", and a total simulated patient weight of 660lbs. SEISMIC TEST PARAMETERS									
Building Coc	le / Test Criteria	$S_{DS}(g)$	z / h	I _P	$A_{FLX-H}(g)$	$A_{RIG-H}(g)$	$A_{FLX-V}(g)$	$A_{RIG-V}(g)$	
CDC 2022 /	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40			
CBC 2022 /	ICC-ES ACISO	2.50	0.0	1.5			1.67	0.67	
Note: The unit wa	as full of contents duri	ng testing an	d remained fi	uctional be	fore and after	the ICC-ES A	AC156 test. Th	ne unit	

maintained structural integrity during and after the ICC-ES AC156 Test.

UUT_w-4



Mounting Details: Rigid floor mounting using Phillips provided seismci restraint kit 4512-134-74741. Seismic restraint kit include a hand tightend cam buckle strap (450lb WLL) looped thru angle brackets on each side of the unit. The angle brackets are attached to the table with individual 3/8" grade 8 bolts.



Manufacturer: ADVANTECH

Component: AWS-2X PC User InterfaceModel / Serial Number: 4512-201-11781 / KSE0149757UUT Function: Computational processing for image system.

UUT Description: DigitalDiagnost C90 and Radiography 7300 C user interface PC

Test Location :	Test Date: February 2019			Report: TAB3-PB-19-020-V1				
			UUT PRO	PERTIE	ËS			
Weight (lb) Dimensions (inches) Natural Fequency (Hz								
with Patient	Width	Depth		Height		FB	SS	V
33	8.5"	10	.9"	17.6"		> 33	28.1	>33
<u>.</u>		SEISM	IC TEST	PARAM	IETERS			
Building Cod	e / Test Criteria	$S_{DS}(g)$	z / h	I _P	$A_{FLX-H}(g)$	$A_{RIG-H}(g)$	$A_{FLX-V}(g)$	$A_{RIG-V}(g)$
CBC 2022 / ICC-ES AC156		2.00	1.0	1.5	3.20	2.40		
		2.50	0.0	1.5			1.67	0.67
	ICC-ES AC156 s full of contents duri	2.50	0.0	1.5				

UUT_x-2A

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Floor/wall mount with 2 - M10 grade 8.8 bolts / washers torqued at 36ft-lb and 1 - M12 grade 8.8 bolt / washer torqued at 62ft-lb to the floor and 2 - M10 grade 10.9 bolts / washers torqued at 53ft-lb to the wall fixture. Electrical box mounted to wall fixture with 4 - M6 grade 8.8 bolts / washer torqued to 10ft-lb.



Manufacturer: Philips Medical Systems DMC GmbH

Component: Vertical Stand VS2 - Fixed Detector Model / Serial Number: 9897 010 01411

UUT Function: Vertical X-Ray imaging system

UUT Description: Component of DigitalDiagnost C90 and Radiography 7300 C system with fixed dectector (Pixium TX4343RCE - 4598 009 40141) and electrical box (4598-012-06871).

Test Location	Test Date: February 2018			Report: TAF4-PB-18-082-V1					
			UUT PRO	PERTIE	2S				
Weight (lb) Dimensions (inches) Natural Fequency (Hz)									
Weight (lb)	Width	De	pth	Height		FB	SS	V	
326	28.3"	60	.6"	82.7"		> 33	28.9	> 33	
		SEISM	IIC TEST	PARAM	IETERS				
Building Co	de / Test Criteria	$S_{DS}(g)$	z / h	IP	$A_{FLX-H}(g)$	$A_{RIG-H}(g)$	$A_{FLX-V}(g)$	$A_{RIG-V}(g)$	
CBC 2022 / ICC-ES AC156 -		2.00	1.0	1.5	3.20	2.40			
		2.50	0.0	1.5			1.67	0.67	
Note: The unit w	vas full of contents duri	no testino an	d remained fi	ictional be	fore and after	the ICC-ES A	AC156 test_Tl	ne unit	

UUT_x-2B

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Floor/wall mount with 2 - M10 grade 8.8 bolts / washers torqued at 36ft-lb and 1 - M12 grade 8.8 bolt / washer torqued at 62ft-lb to the floor and 2 - M10 grade 10.9 bolts / washers torqued at 53ft-lb to the wall fixture. Electrical box mounted to wall fixture with 4 - M6 grade 8.8 bolts / washer torqued to 10ft-lb.



Component: Vertical Stand VS2 - Wifi Detector Model / Serial Number: 9897 010 01411

UUT Function: Vertical X-Ray imaging system

UUT Description: Component of DigitalDiagnost C90 and Radiography 7300 C System with wifi dectector (Pixium 2430EZ - 9897 010 00843) and electrical box (4598-012-06871).

Test Location: IABG mbH, GermanyTest				Fest Date: February 2018			Report: TAF4-PB-18-082-V1		
			UUT PRO	PERTIE	S				
Weight (lb) Dimensions (inches) Natural Fequency								y (Hz)	
Weight (lb)	Width	De	pth	Height		FB	SS	V	
326	28.3"	60	.6"	82.7"		> 33	29.0	> 33	
		SEISM	IC TEST	PARAM	IETERS				
Building Code / Test Criteria S _{DS} (g) z				I _P	$A_{FLX-H}(g)$	$A_{RIG-H}(g)$	$A_{FLX-V}(g)$	$A_{RIG-V}(g)$	
CBC 2022 / ICC-ES AC156		2.00	1.0	1.5	3.20	2.40			
		2.50	0.0	1.5			1.67	0.67	



Mounting Details: Wall mount with 4 - size 3 wood screws.

			UUT-4					
Manufacture				N. 1.1.	<u>a</u> • 1 N	1 4510	201 12101	
	WIFI Access Point	t		Nodel /	Serial Nur	nber: 4512	2 201 12191	
	on: WIFI Module			• · -				
	otion: Component of		1					
Test Location	n: IABG mbH, Ger	rmany	Test Date	: Februar	y 2018	Report: T	AF4-PB-18	S-082-V1
		1	UUT PRO	PERTIE	S			
Weight (lb)		Dimensio	ns (inches)			Natur	al Fequenc	y (Hz)
	Width	De	pth	H	eight	FB	SS	V
1	5.9"	5.	9"	2	2.8"	NA	NA	NA
			IC TEST	÷				
Building Co	ode / Test Criteria	$S_{DS}(g)$	z / h	I _P	$A_{FLX-H}(g)$		$A_{FLX-V}(g)$	$A_{RIG-V}(g)$
CBC 2022	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40		
		2.50	0.0	1.5			1.67	0.67
	vas full of contents duri tural integrity during a				fore and after	the ICC-ES A	AC156 test. T	he unit

UUT_y-1

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid floor mounted with 4 - 1/2" grade 8 bolts torqued at 40ft-lb with 3.5" x 1.5" x 1/2" plate washers.





Mounting Details: Rigid floor mounted with 4 - 1/2" grade 8 bolts torqued at 40ft-lb with 3.5" x 1.5" x 1/2" plate washers.



Manufacturer: Philips Medical Systems DMC GmbH

Component: Table TH2 - Fixed Detector Model / Serial Number: 9848-600-02222 / 16020429

UUT Function: Motorized patient table and dectector system used for X-Ray imaging.

UUT Description: DigitalDiagnost C90 and Radiography 7300 C patient table with fixed dectector: Pixium 4343RCE 4598-009-40141

Test Location: Environmental Testing Laboratory, Dallas, Texas

Test Date: January 2017

Report: SQ13-1703-01

UUT PROPERTIES

Weight (lb)		Dimensions (inches)	Natural Fequency (Hz)			
with Patient	Width	Depth	Height	FB	SS	V
1,175	33.5"	94.5"	20.8 - 36.4"	3.2	12	7.2

The patient table moves laterally both ways and vertically to accommodate different patients and procedures. The system was tested in the normal operating position with the table horizontally centered, a table top height of 30", and a total simulated patient weight of 560lbs.

SEISMIC TEST PARAMETERS										
Building Code / Test Criteria	$S_{DS}(g)$	z / h	I _P	$A_{FLX-H}(g)$	$A_{RIG-H}(g)$	$A_{FLX-V}(g)$	$A_{RIG-V}(g)$			
CBC 2022 / ICC-ES AC156	2.00	1.0	1.5	3.20	2.40					
CDC 2022 / ICC-ES AC150	2.50	0.0	1.5			1.67	0.67			

UUT_y-4

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid floor mounted with 4 - 3/8" A574 bolts with washers

					A Charles			のころ
	er: Philips Medical M-Cabinet CXA	Systems D			erial Num	ber: 9890-0	010-88393	/ 16230001
	n: X-Ray generato	or for Radio	graphy Sys		,			
	tion: Component of				ography 73	00 C Syste	m	
-	n: Environmental T	-	-			-		
Test Date: Ja	nuary 2017			Report: S	Q13-1703-	01		
			UUT PRC	PERTIES	5			
Weight (1h)		Dimensi	ons (inches)		Natur	al Fequenc	y (Hz)
Weight (lb)	Width	De	pth	He	ight	FB	SS	V
236	19.2"		.6"		9"	10.8	9.0	23.2
			AIC TEST	Ť				
Building Co	de / Test Criteria	$S_{DS}(g)$	z / h	I _P	$A_{FLX-H}(g)$		$A_{FLX-V}(g)$	$A_{RIG-V}(g)$
CBC 2022 /	ICC-ES AC156	2.00	1.0	1.5	3.20	2.40	1 (7	0.77
Note: The unit w	as full of contents dur	2.50 ing testing an	0.0 d remained fu	1.5 actional befor	re and after th	e ICC-ES AC	1.67 2156 test. The	0.67 unit

UUT_z-8

UNIT UNDER TEST (UUT) SUMMARY SHEET



Note: Modifications required for unit to pass seismic test. All modifications incorporated in Phillips seismic kit 4512-201-12241.

Mounting Details: Rigid floor / wall mounted with 3 - 1/2" grade 5 bolts torqued at 40ft-lbs to the floor and 4 - 3/8" grade 2 bolts torqued at 17ft-lbs to 16 ga. steel backing plate on the wall



Manufacturer: Philips Medical Systems DMC GmbH

Component: Vertical Stand 2 VS2 - Wifi Detector Model / Serial Number: 9897-010-01411 / 16000012 UUT Function: Vertical X-Ray imaging system.

UUT Description: Component of DigitalDiagnost C90 and Radiography 7300 C System with wifi dectector (Pixium 3543EZ - 9897 010 02681) and electrical box (4598-012-06641).

Test Location: Environmental Testing Laboratory, Dallas, Texas

Test Date: January 2017 Report: SQ13-1701-01

UUT PROPERTIES

Weight (lb)		Natural Fequency (Hz)									
weight (10)	Width	De	pth	Height		FB	SS	V			
562	23.5"	35.5"		81.9"		10.2	4.2	6.1			
SEISMIC TEST PARAMETERS											
Building Code / Test Criteria		$S_{DS}(g)$	z / h	I _P	$A_{FLX-H}(g)$	$A_{RIG-H}(g)$	$A_{FLX-V}(g)$	$A_{RIG-V}(g)$			
CBC 2022 / ICC-ES AC156		2.00	1.0	1.5	3.20	2.40					
		2.50	0.0	1.5			1.67	0.67			