

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

APPLICATION FOR HCAI SPECIAL SEISMIC CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

CERTIFICATION PREAPPROVAL (OSP)	APPLICATION #: OSP-0319
HCAI Special Seismic Certification Preapproval (OSP)	
Type: New X Renewal	
Manufacturer Information	
Manufacturer: Shimadzu Medical Systems	
Manufacturer's Technical Representative: Jim Mekker / Akiharu Yamagata	
Mailing Address: 25101 Chagrin Blvd. Suite 240, Beachwood, OH 44122	
Telephone: (310) 217-8855 Email: mekker@shimadzu-	usa.com
Product Information	
Product Name: Fluoroscopy and Radiography Systems	
Product Model Number(s): Sonialvision G4 and RADspeed	E.
Product Category: Fluoroscopy and Radiography Systems 9	1 CF
Product Sub-Category: NA	
General Description: Multiple component digital radiography and fluoroscop	y medical diagnostic imaging system.
Mounting Description: Several - See UUT Sheets -	
Tested Seismic Enhancements: Seismic enhancements made to the test un anomalies during the tests shall be incorpor	
Applicant Information	
Applicant Company Name: W.E. GUNDY & ASOCIATES INC.	5
Contact Person: Travis Soppe	
Mailing Address: 1199 Shoreline Drive Suite 310, Boise, ID 83702	
Telephone: (208) 342-5989 Email: tsoppe@wegai.com	
Title: President	



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OSP-0319



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):
FOR 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 Email: jeremy@etldallas.com
DATE: 04/11/2025



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Seismic Parameters

Design	Basis of Equipment or Components	(Fp/Wp) = See Attachn	nents							
S	SDS (Design spectral response accele	eration at short period, g)	See Certified Comp	oonents Table						
a	ap (Amplification factor) =	See attachments								
F	Rp (Response modification factor) =	See attachments								
(Ωο (System overstrength factor) =	2.0								
I	p (Importance factor) =	1.5								
Z	z/h (Height ratio factor) =	1 and 0								
1	Natural frequencies (Hz) =	See Attachment								
(Overall dimensions and weight = See Attachment									
HCAL	Approval (For Office Use Only) -	Approval Expires on	04/11/2031							
Date:	4/11/2025	OSP-031	9							
Name:	Mohammad Karim		Title:	Supervisor, Health Facilities						
Specia	I Seismic Certification Valid Up to: SE	os (g) = See above	Karim z/h =	See Above						
Conditi	on of Approval (if applicable):	DATE: 04/11/2	2025							
		RNIA BUILDIN	G CODE: DV							



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OSP-0319

SHIMADZU MEDICAL SYSTEMS SPECIAL SEISMIC CERTIFICATION CERTIFIED SYSTEM AND COMPONENTS



Manufacturer: Shimadzu Medical Systems

System: RADSPEED X-Ray	and Fluoroscopy	System					
Sustan Common and ¹	Shimadzu	Dir	nensions	(in)	Weight	Mounting	UUT ²
System Component ¹	Part Number	Width	Depth	Height	(lb)	wounting	
		Wall	Stands				
BR 120 Wall Stand Wireless Digital Detector	503-61800-13	24.8	14.4	84.8	264	wall/floor	UUT _y -8
BR 120 Wall Stand Wireless Digital Detector	566-16500-42	24.8	14.4	84.8	264	wall/floor	same ⁵
BR 120 Wall Stand Flat Panel Detector	503-61800-13	24.8	14.4	84.8	264	wall/floor	interpolated
BR120 Wall Stand Fixed Panel Detector	503-61800-13	24.80	D14.4	84.8	264	wall/floor	UUT _y -21
BR 120 Wall Stand Wireless Digital Detector	503-77185-35	26.4	14.4	85.3	283	wall/floor	interpolated
BR 120 Wall Stand Fixed Panel Detector	503-77185-35	26.4	0314.4	85.3	283	wall/floor	UUT _z -5
BR 120T Tilting Wall Stand Fixed Panel Detector	<mark>566-</mark> 16600-50	24.8	25.4/32.8	84.8	378	wall/floor	interpolated
BR 120T Tilting Wall Stand Wireless Detector Vertical	<mark>566-</mark> 16600-50	24.8	25.4	84.8	378	wall/floor	UUT _x -1A
BR 120T Tilting Wall Stand Wireless Detector Flat	566-16600-50	24.8	32.8	84.8	378	wall/floor	UUT _x -1B
		Patien	t Table				
BK-200 Table Wireless Digital Detector	503-61750-02	31.9	92.5	33.5	720 ³	floor	UUT _y -13
BK-200 Table Wireless Digital Detector	563-61750-81	31.9	92.5	33.5	720 ³	floor	same ⁵

¹ All components are manufactured by Shimadzu Medical Systems. The part numbers listed uniquely identify the type of component, manufacturer, and material of construction for each sub-component within the tested units.

² The units were tested at different times and the subscripts on the UUT reference the following seismic test reports:

 $x = 17550 \ Rev1 \ / \ y = SQ10\text{-}1205\text{-}01 \ / \ z = SQ10\text{-}1503\text{-}01$

³ Table weight listed does not include 350lb simulated patient weight included during the horizontal position tests.

⁴ Monitor Ceiling Suspension weight listed does not included the additional 30lbs mass attached to each monitor for simulation of varied monitor configurations.

⁵ Components identified as "same" are of identical construction to the tested UUT with the same name and differ only in color / sofware

SEISMIC CERTIFICATION LIMITS											
System Component	Code	S _{DS} (g)	z / h	I _P	a _P	R _P	Ω ₀	$\mathbf{F}_{\mathbf{P}}$ / $\mathbf{W}_{\mathbf{P}}$			
Wall Stands	CBC	2.0	1.0	1.50	1.0	15	2.0	2.40			
	2022	2.5	0	1.30	1.0	1.5	2.0	1.13			
Patient Table	CBC	2.0	1.0	1.50	1.0	.0 1.5	2.0	2.40			
Fatient Table	2022	2.6	0	1.50	1.0			1.17			

SHIMADZU MEDICAL SYSTEMS SPECIAL SEISMIC CERTIFICATION CERTIFIED SYSTEM AND COMPONENTS



Manufacturer: Shimadzu Medical Systems

System: RADSPEED X-Ra	y and Fluoroscopy S	System										
Sustan Common and ¹	Shimadzu	Dir	nensions	(in)	Weight	Mounting	UUT ²					
System Component ¹	Part Number	Width	Depth	Height	(lb)	Mounting	UUI					
Ceiling Mounted Tube												
CH-200 Ceiling Tube Transverse Bridge	503-58100-27	216.5	129.9	112.2	740	ceiling	UUT _y -6					
	Mon	itor Ceili	ing Suspe	nsion								
Flat Panel Monitor Suspension	ID10000F-2WOR	38.0	80.0	68.0	294 ⁴	ceiling	UUT _y -5					
Control / Power Cabinets												
BK-200 Control Cabinet	503-04403A	P19.70	D15.8	20.1	98	floor	UUT _y -14					
CH-200 / BR-120 Control Cabinet	503-04427D	15.8	19.7	20.1	110	floor	UUT _y -25					
CH-200 / BR-120 Control Cabinet	572-18677-02	15.8	0319.3	20.1	110	floor	same ⁵					
80kW High Voltage Generator UD150B-40	502-23375-01	27.6 Mohamr	15.9 nad Kar	71.1	435	wall/floor	UUT _y -30					
80kW High Voltage Generator UD150B-41	502-23375-01	27.6	15.9	71.1	435	wall/floor	interpolated					
80kW High Voltage Generator UD150B-40/41	5 <mark>62-23</mark> 375-79	27.6	15.9	71.1	435	wall/floor	interpolated					
X-Ray High Voltage Generator Cabinet	562-29 <mark>200-</mark> 02	27.5	19.7	72.6	606	wall/floor	UUT _z -3					

¹ All components are manufactured by Shimadzu Medical Systems. The part numbers listed uniquely identify the type of component, manufacturer, and material of construction for each sub-component within the tested units.

² The units were tested at different times and the subscripts on the UUT reference the following seismic test reports:

x = 17550 Rev1 / y = SQ10-1205-01 / z = SQ10-1503-01

³ Table weight listed does not include 350lb simulated patient weight included during the horizontal position tests.

⁴ Monitor Ceiling Suspension weight listed does not included the additional 30lbs mass attached to each monitor for simulation of varied monitor configurations.

⁵ Components identified as "same" are of identical construction to the tested UUT with the same name and differ only in color / sofware

SEISMIC CERTIFICATION LIMITS											
System Component	Code	$S_{DS}(g)$	z / h	I _P	a _P	R _P	Ω ₀	$\mathbf{F}_{\mathbf{P}}$ / $\mathbf{W}_{\mathbf{P}}$			
Ceiling Mounted Tube	CBC	2.0	1.0	1.50	2.5	2.5	2.0	3.60			
	2022	2.6	0	1.50				1.56			
Monitor Ceiling	CBC	2.0	1.0	1.50	2.5	2.5	2.0	3.60			
Suspension	2022	2.6	0	1.30	2.3	2.3	2.0	1.56			
Control / Down Colinets	CBC	2.0	1.0	1.50	2.5	2.5 6.0	2.0	1.50			
Control / Power Cabinets	2022	2.6	0	1.50	2.3			1.17			
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SHIMADZU MEDICAL SYSTEMS SPECIAL SEISMIC CERTIFICATION **CERTIFIED SYSTEM AND COMPONENTS**



Manufacturer: Shimadzu Medical Systems

System: RADSPEED X-Ray and Fluoroscopy System											
Sustan Company ¹	Shimadzu	Din	nensions	(in)	Weight	Mounting	UUT ²				
System Component ¹	Part Number	Width	Depth	Height	(lb)	wrounting					
PC / User Interface											
UD150B-40 X-Ray Control Console	502-23588	12.1	8.3	13.6	9	wall	UUT _y -10A				
UD150B-40 X-Ray Control Console	502-23588	12.1	8.3	13.6	9	floor	UUT _y -10B				
Side Station Computer	502-24407-13	7.8	19.6	16.8	28	floor	UUT _y -22				
Canon CXDI-NE Workstation	CXDI-NE PC	7.8	18.8	16.5	28	floor	UUT _y -24				

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² The units were tested at different times and the subscripts on the UUT reference the following seismic test reports:

x = 17550 Rev1 / y = SQ10-1205-01 / z = SQ10-1503-01

³ Table weight listed does not include 350lb simulated patient weight included during the horizontal position tests.

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⁴ Monitor Ceiling Suspension weight listed does not included the additional 30lbs mass attached to each monitor for simulation of varied monitor configurations.

⁵ Components identified as "same" are of identical construction to the tested UUT with the same name and differ only in color / sofware DING CODE

SEISMIC CERTIFICATION LIMITS										
System ComponentCode $S_{DS}(g)$ z / h I_P a_P R_P Ω_0 F_P / W_P										
PC / User Interface	CBC	2.0	1.0	1.50	2.5	6.0	2.0	1.50		
	2022	2.6	0	1.30	2.5	6.0	2.0	1.17		
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SHIMADZU MEDICAL SYSTEMS SPECIAL SEISMIC CERTIFICATION **CERTIFIED SYSTEM AND COMPONENTS**



Manufacturer: Shimadzu Medical Systems

System: SONIALVISION	G4 X-Ray an	d Fluor	oscopy Sy	/stem		•		
System Component ¹	Shimad		Dir	nensions	(in)	Weight	Mounting	UUT ²
System Component	Part Nur	nber	Width	Depth	Height	(lb)	withunting	001
			Wall S	Stands				
BR 120 Wall Stand Wireless Digital Detector	503-6180	0-13	24.8	14.4	84.8	264	wall/floor	UUT _y -8
BR 120 Wall Stand Wireless Digital Detector	566-1650	0-42	24.8	14.4	84.8	264	wall/floor	same ⁵
BR 120 Wall Stand Flat Panel Detector	503-6180	0-13	24.8	14.4	84.8	264	wall/floor	interpolated
BR 120 Wall Stand Wireless Digital Detector	503-7718	5-35	26.40	D14.4	85.3	283	wall/floor	interpolated
BR 120 Wall Stand Fixed Panel Detector	503-7718	5-35	26.4	14.4	85.3	283	wall/floor	UUT _z -5
	N.		Patien	t Table		2		
ZS-200 Elevating Table Horizontal Position	503-780	001	OSP- 76.0	0319 92.5	96.0	3485 ³	floor	UUT _z -1A
ZS-200 Elevating Table Vertical Position	503-780	001Y:1	10hamn 76.0	nad Kari	^m 96.0	3485 ³	floor	UUT _z -1B
ZS-200 Elevating Table	5 <mark>63-</mark> 7800	1-02	E:76.04/	192.525	96.0	3485 ³	floor	same ⁵
		Mon	itor Ceili	ng Suspe	nsion	2		
Flat Panel Monitor Suspension	ID10000F-	2WOR	38.0	80.0	68.0	294 ⁴	ceiling	UUT _y -5
 ¹ All components are manufactimanufacturer, and material of c ² The units were tested at differ y = SQ10-1205-01 z = S ³ Table weight listed does not in ⁴ Monitor Ceiling Suspension v varied monitor configurations. ⁵ Components identified as "sandard sector of the sector of the	onstruction for eent times and the SQ10-1503-01 nclude 400lb sinveight listed door ne" are of ident	each sub- ne subscri mulated p es not inc ical cons	-component ipts on the U patient weig luded the ad truction to t	within the JUT referen ht included dditional 30 he tested U	tested units ace the follo during the l lbs mass att	owing seism horizontal p tached to ea e same name	ic test reports: osition tests. ch monitor for s	simulation of
	SE	ISMIC	CERTIF	ICATIO	N LIMIT	S		
System Component	Code	S _{DS} (g)	z / h	I _P	a _P	R _P	Ω ₀	$\mathbf{F}_{\mathbf{P}}$ / $\mathbf{W}_{\mathbf{P}}$
Wall Stands	CBC 2022	2.0 2.6	1.0 0	1.50	1.0	1.5	2.0	2.40 1.17
Patient Table	CBC 2022	2.0 2.6	1.0 0	1.50	1.0	1.5	2.0	2.40 1.17
Monitor Ceiling	CBC	2.0	1.0	1.50	2.5	2.5	2.0	3.60

SHIMADZU MEDICAL SYSTEMS SPECIAL SEISMIC CERTIFICATION CERTIFIED SYSTEM AND COMPONENTS



Manufacturer: Shimadzu Medical Systems

System: SONIALVISION C	4 X-Ray and Fluor	oscopy Sy	vstem									
Sustan Component ¹	Shimadzu	Dir	nensions	(in)	Weight	Mounting	UUT ²					
System Component ¹	Part Number	Width	Depth	Height	(lb)	Mounting	001					
Wifi Access Point												
Hewlett Packard WAP	J9650A	6.6	2.8	8.0	2	wall	UUT _z -13					
]	PC / User	Interfac	e								
LCD Touch Screen Konica	ROM950AIII	17.0	5.3	13.8	21	wall	UUT _z -15					
LCD Screen DR-300	SMD19102- SC6GF6211-	15.6	4.6	13.6	19	wall	UUT _z -16					
Konica Aero X-Ray Interface	AreoDR Interface Unit2	7.0	18.0	111.3	29	floor	UUT _z -14					
Side Station Computer	502 <mark>-244</mark> 07-13	7.8	19.6	16.8	28	floor	UUT _y -22					
UD150B-40 X-Ray Control Console	502-23588	O ₁ 2.P-0	038.9	13.6	9	wall	UUT _y -10A					
UD150B-40 X-Ray Control Console	502-235 <mark>88Y:</mark>	/loh2amn	nac 8.3 (ari	<mark>m 1</mark> 3.6	09	floor	UUT _y -10B					
Konica Aero Workstation	TPC-F046-SF	E: ⁴ 04/	11/2.925	13.3	16	floor	UUT _z -9					
DR-300 Image Processing	562-29102	6.3	18.7	23.0	71	floor	UUT _z -7					
ZS-200 Control Console Remote	563-78007-02	21.6	12.3	2.3	24	floor	UUT _z -6					

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² The units were tested at different times and the subscripts on the UUT reference the following seismic test reports: y = SQ10-1205-01 z = SQ10-1503-01

³ Table weight listed does not include 400lb simulated patient weight included during the horizontal position tests.

SEISMIC CERTIFICATION LIMITS											
System Component	Code	S _{DS} (g)	z / h	I _P	a _P	R _P	Ω ₀	$\mathbf{F}_{\mathbf{P}}$ / $\mathbf{W}_{\mathbf{P}}$			
Wifi Access Point	CBC	2.0	1.0	1.50	1.0	2.5	2.0	1.44			
	2022	2.6	0					1.17			
PC / User Interface	CBC	2.0	1.0	1.50	1.50	2.5	6.0	2.0	1.50		
	2022	2.6	0	1.30	2.3	6.0	2.0	1.17			

SHIMADZU MEDICAL SYSTEMS SPECIAL SEISMIC CERTIFICATION CERTIFIED SYSTEM AND COMPONENTS



Manufacturer: Shimadzu Medical Systems

	Shimadzu	Dir	nensions	(in)	Weight	Manatina	T T T T T T	
System Component ¹	Part Number	Width	Depth	Height	(lb)	Mounting	UUT^2	
	Cor	ntrol / Po	wer Cabi	nets				
CH-200 / BR-120 Control Cabinet	503-04427D	15.8	19.7	20.1	110	floor	UUT _y -25	
ZS-200 Cabinet	502-29300-02	27.5	19.7	72.6	569	wall/floor	UUT _z -2	
ZS-200 Cabinet	562-29300-12	27.5	19.7	72.6	569	wall/floor	same ⁵	
X-Ray High Voltage Cabinet	562-29200-02	27.50	D19.7	72.6	606	wall/floor	UUT _z -3	
X-Ray High Voltage Cabinet	562-29200-12	27.5	19.7	72.6	606	wall/floor	same ⁵	
DR-300 Digital Cabinet	562-29101	27.5	19.7	72.6	654	wall/floor	UUT _z -4	
DR-300 Digital Cabinet	562-2 9101-01	27.5	19.7	72.6	6 54	wall/floor	same ⁵	

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² The units were tested at different times and the subscripts on the UUT reference the following seismic test reports:

y = SQ10-1205-01 z = SQ10-1503-01

³ Table weight listed does not include 400lb simulated patient weight included during the horizontal position tests.

⁵ Components identified as "same" are of identical construction to the tested UUT with the same name and differ only in color / sofware

SEISMIC CERTIFICATION LIMITS											
System Component	Code	S _{DS} (g)	z / h	I _P	a _P	R _P	Ω ₀	$\mathbf{F}_{\mathbf{P}}$ / $\mathbf{W}_{\mathbf{P}}$			
Cantral / Dama Calinata	CBC	2.0	1.0	1.50	2.5	6.0	2.0	1.50			
Control / Power Cabinets	2022	2.6	0	1.50	2.3	0.0	2.0	1.17			

UUTz-1A

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid floor mounted with (4) ³/₄" diameter bolts.

Manufacturer	: Shimadzu Me	dical Syster	ns	Test Lo	cation: ET	L (Dallas, T	TX)	
	ZS-200 Elevating	g Table			te: October		1 0 5 1 1	
Model Numbe	r: 503-78001 r: Patient table w	with internet	BUILT		Number: S			
UUT Descript	Common	t of the SON	VIALVISIO		K-Ray and Fl			cludes
			UUT PRO	PERTII	ES			
Weight (lb)	Din	nensions (in	iches)		N	atural Freq	uency (Hz)
with Patient	Width	Depth	Hei	-	FB	SS		V
	76.0 noves horizontally a ntal operating positio			late differe		3.4 procedures.		4.1 was tested in
	operand position		IIC TEST					
Building Code	e / Test Criteria	$S_{DS}(g)$	z / h	IP	A _{FLX-H} (g)	$A_{RIG-H}(g)$	AFIXVO	$A_{RIG-V}(g)$
2 and ng Cou		2.00	1.0	1.5	3.20	2.40		
CBC 2022 / I	CC-ES AC156	2.60	0.0	1.5	5.20	2.10	1.74	0.70
	as full of contents du ural integrity during	ring testing a	nd remained	functional	before and aft	er the ICC-ES		



Mounting Details: Rigid floor mounted with (4) ³/₄" diameter bolts.

	: Shimadzu Me		ns	AAAAAA	cation: ET		TX)	
	ZS-200 Elevating	g Table			te: October			
Model Numbe		RA			Number: S			
UUT Function	Patient table w			1 INC		-		1 1
UUT Descript	ion: Component seismic opt			ON G4 2	K-Ray and Fl	louroscopy	system, inc	cludes
		١	UUT PRO	PERTI	ES			
Weight (lb)	Din	nensions (in	ches)		N	latural Freq	uency (Hz))
6 ()	Width	Depth		ight	FB	SS		V
3,485	76.0	92.5		6	4.4	4.4		5.1
	noves horizontally a l operating position.		to accommod	late differ	ent patients and	l procedures.	The system w	vas tested in
		SEISM	IIC TEST	PARA	METERS			
Building Code	e / Test Criteria	S _{DS} (g)	z / h	Ip	A _{FLX-H} (g)	Arig-H (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
		2.00	1.0	1.5	3.20	2.40		
СВС 2022 / 1	CC-ES AC156	2.60	0.0	1.5			1.74	0.70
	as full of contents du ural integrity during				l before and aft	er the ICC-ES	S AC156 test.	The unit

UUT_z-2



Mounting Details: Combined rigid wall mounted with (2) $\frac{1}{4}$ diameter bolts and rigid floor mounted with (4) $\frac{1}{2}$ diameter bolts.







Mounting Details: Combined rigid wall mounted with (2) 1/4" diameter bolts and rigid floor mounted with (4) $\frac{1}{2}$ " diameter bolts.

	(.) /2 414									
	: Shimadzu Me X-Ray High Vo		~			cation: ET	,	(<u>A</u>)		
	er: 562-29200-0	_		UILL		Number: S		-1 REV	71	
	: X-ray high vo		ator	r cabinet						
	ion: Componer					K-Ray and Fl	ouroscopy	system	•	
				T PRO						
.	Dii	mensions (in					latural Freq	uency	(Hz)	
Weight (lb)	Width	Depth		Hei	ght	FB	SS			V
606	27.5	19.7		72	0	N/A	N/.	A		N/A
		SEISM	11C	TEST	PARAN	AETERS				
Building Code	e / Test Criteria	S _{DS} (g)		z / h	Ip	A _{FLX-H} (g)	Arig-H (g)	AFLX-V	, (g)	A _{RIG-V} (g)
		2.00		1.0	1.5	3.20	2.40			
CBC 2022 / I	CC-ES AC156	2.60		0.0	1.5			1.74	4	0.70
Note: The unit w	as full of contents d		nd r			before and aft	er the ICC-ES			

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

UUT_z-4



Mounting Details: Combined rigid wall mounted with (2) $\frac{1}{4}$ diameter bolts and rigid floor mounted with (4) $\frac{1}{2}$ diameter bolts.



UUTz-5



Mounting Details: Combined rigid wall mounted with (2) ¹/₄" diameter bolts and rigid floor mounted with (4) 3/8" diameter bolts.

	(1) 5/0 414							
	THE OCHE							
Manufacturer	: Shimadzu Me	dical Systems		Test Lo	ocation: ET	L (Dallas, 7	TX)	
(amnanant.	BR-120 Wall Sta Fixed Panel Dete			Test D	ate: October	2015		
Model Numbe	er: 503-77185-3	5		Report	Number: S	SQ10-1503	-1 REV 1	
UUT Function	: Radiographic	wall stand for	·X-ray e	xposure	s			
UUT Descript		t of the RADS sted with Kon					and Flou	roscopy
		U	UT PRO	PERTI	ES			
Weight (1h)	Din	nensions (inch	ies)		N	latural Freq	uency (H	z)
Weight (lb)	Width	Depth	He	ight	FB	SS	S	V
283	14.4	26.4	85	5.3	N/A	N/.	A	N/A
		SEISMI	C TEST	PARA	METERS			
Building Code	e / Test Criteria	S _{DS} (g)	z / h	IP	A _{FLX-H} (g)	Arig-H (g)	AFLX-V (§	g) $A_{RIG-V}(g)$
		2.00	1.0	1.5	3.20	2.40		
СВС 2022 / 1	CC-ES AC156	2.60	0.0	1.5			1.74	0.70
	as full of contents du tural integrity during				l before and aft	er the ICC-ES	S AC156 te	st. The unit



Mounting Details: Rigid base mounted with (6) ¹/₄" machine screws.

							Bern Brank and		
	: Shimadzu Mee		ms	Test Lo	ocation: ET		ΓX)		
Component:	ZS-200 Control (Console Ren	ms	Test Lo Test Da	ocation: ET	2015			
Component: Model Numbe	ZS-200 Control (er: 563-78007-02	Console Ret 2	ms mote	Test Lo Test Da Report	ocation: ET	2015		7 1	
Component: Model Numbe UUT Function	ZS-200 Control (er: 563-78007-02 n: Control conso	Console Ret 2 le remote fo	ms mote Blance or X-ray sy	Test Lo Test Da Report	ocation: ET ate: October Number: S	2015 5Q10-1503	-1 REV		
Component: Model Numbe UUT Function	ZS-200 Control (er: 563-78007-02	Console Re 2 le remote fo t of the SON	ms mote Dr X-ray sy NIALVISIO	Test Lo Test Da Report ^{rstem} ON G4 2	ocation: ET ate: October Number: S X-Ray and Fl	2015 5Q10-1503	-1 REV		
Component: Model Numbe UUT Function	ZS-200 Control (er: 563-78007-02 n: Control conso ion: Component	Console Re 2 le remote fo t of the SON	ms mote or X-ray sy NIALVISIO UUT PRO	Test Lo Test Da Report ^{rstem} ON G4 2	ocation: ET ate: October Number: S X-Ray and Fl ES	2015 SQ10-1503 ouroscopy	-1 REV system		
Component: Model Numbe UUT Function UUT Descript	ZS-200 Control C er: 563-78007-02 i: Control conso ion: Component Dim	Console Ret 2 le remote fo t of the SOM	ms mote or X-ray sy NIALVISIO UUT PRO nches)	Test Lo Test Da Report ostem ON G4 2 OPERTI	ocation: ET ate: October Number: S X-Ray and Fl ES N	2015 SQ10-1503 ouroscopy latural Freq	-1 REV system uency (
Component: Model Numbe UUT Function UUT Descript Weight (lb)	ZS-200 Control (er: 563-78007-02 i: Control conso ion: Component Dim Width	Console Re 2 le remote fo t of the SON nensions (in Depth	ms mote Dr X-ray sy NIALVISIO UUT PRO tiches) He	Test Lo Test Da Report ^{rstem} ON G4 2 PERTI ight	Cation: ET ate: October Number: S X-Ray and Fl ES N FB	2015 SQ10-1503 ouroscopy latural Freq	-1 REV system Juency (V
Component: Model Numbe UUT Function UUT Descript	ZS-200 Control C er: 563-78007-02 i: Control conso ion: Component Dim	Console Re 2 le remote fo t of the SOP nensions (in Depth 12.3	ms mote Dr X-ray sy NIALVISIO UUT PRO nches) He: 2	Test Lo Test Da Report 2stem ON G4 2 PERTI ight .3	Cation: ET ate: October Number: S X-Ray and Fl ES N FB > 33.0	2015 SQ10-1503 ouroscopy latural Freq	-1 REV system Juency (
Component: Model Number UUT Function UUT Descript Weight (lb) 24	ZS-200 Control (er: 563-78007-02 i: Control consol ion: Component Dim Width 21.6	Console Re 2 le remote fo t of the SON nensions (in Depth 12.3 SEISM	ms mote Dr X-ray sy NIALVISIO UUT PRO iches) He: 2 IIC TEST	Test Lo Test Da Report stem ON G4 2 PERTI ight .3 PARAN	Accation: ET ate: October Number: S X-Ray and Fl ES N FB > 33.0 METERS	2015 SQ10-1503 ouroscopy latural Freq SS >33	-1 REV system uency (S 3.0	(Hz)	V 32.3
Component: Model Number UUT Function UUT Descript Weight (lb) 24	ZS-200 Control (er: 563-78007-02 i: Control conso ion: Component Dim Width	Console Re 2 le remote fo t of the SON nensions (in Depth 12.3 SEISM S _{DS} (g)	ms mote BUILT or X-ray sy NIALVISIO UUT PRO iches) He: 2 IIC TEST z / h	Test Lo Test Da Report ostem ON G4 2 OPERTI ight .3 PARAN IP	Cation: ET ate: October Number: S X-Ray and Fl ES N FB > 33.0 METERS A _{FLX-H} (g)	2015 SQ10-1503 OUTOSCOPY Tatural Freq SS >33 A _{RIG-H} (g)	-1 REV system Juency ((Hz)	V
Component: Model Number UUT Function UUT Descript Weight (lb) 24 Building Cod	ZS-200 Control (er: 563-78007-02 i: Control consol ion: Component Dim Width 21.6	Console Re 2 le remote fo t of the SON nensions (in Depth 12.3 SEISM	ms mote Dr X-ray sy NIALVISIO UUT PRO iches) He: 2 IIC TEST	Test Lo Test Da Report stem ON G4 2 PERTI ight .3 PARAN	Accation: ET ate: October Number: S X-Ray and Fl ES N FB > 33.0 METERS	2015 SQ10-1503 ouroscopy latural Freq SS >33	-1 REV system uency (S 3.0	(Hz)	V 32.3

UUTz-7

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid floor mounted with (4) 3/8" diameter bolts.

	5			. ,						
	LAN O RE.				Ser Poor					
	: Shimadzu Me	11/2				cation: ET	-	TX)		
Component:	DR-300 Image P	rocessing P	C		Test Da	te: October	2015			
Model Numbe	er: 562-29102			OILL	Report	Number: S	SQ10-1503-	-1 REV	1	
UUT Function	: Imaging system	m PC								
UUT Descript	ion: Component	t of the SON	NIA	ALVISIC	ON G4 X	K-Ray and Fl	ouroscopy	system		
		l	UU	T PRO	PERTI	ES				
	Din	nensions (in					atural Freq	uencv (Hz)	
Weight (lb)	Width	Depth		Hei	ght	FB	SS)	V
71	6.3	18.7		23	-	>33.0	17.	.9		> 33.0
		SEISM		TEST	PARAM	METERS				
Building Code	e / Test Criteria	S _{DS} (g)		z / h	IP	A _{FLX-H} (g)	A _{RIG-H} (g)	AFLX-V	(g)	A _{RIG-V} (g)
		2.00		1.0	1.5	3.20	2.40			
CBC 2022 / I	CC-ES AC156	2.60		0.0	1.5			1.74	1	0.70
	as full of contents du tural integrity during					before and aft	er the ICC-ES	S AC156	test.	The unit





Mounting Details: Rigid floor mounted with (2) 1" wide hand-tightened nylon cam buckle straps (200lb WLL) through slots in (4) L2.5x2.5x1/4" x 2.5" long brackets. Angle brackets anchored with (1) 3/8" diameter bolt each.



]	Manufacturer: Shimadzu Medical Systems	Test Location: ETL (Dallas, TX)
(Component: Konica Aero Workstation	Test Date: October 2015
]	Model Number: TPC-F046-SF	Report Number: SQ10-1503-1 REV 1

UUT Function: Imaging System PC

UUT Description: Component of the SONIALVISION G4 X-Ray and Flouroscopy system

UUT PROPERTIE	S
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Weight (lb)	Din	Dimensions (inches)				Natural Frequency (Hz)				
Weight (lb)	Width	Depth	Hei	ght	FB	SS	5	V		
16	4.0	14.9	13.3		>33.0	>33	.0	> 33.0		
	SEISMIC TEST PARAMETERS									
Building Code	e / Test Criteria	S _{DS} (g)	z / h	Ip	$A_{FLX-H}(g)$	$A_{RIG-H}(g)$	$A_{FLX-V}(g)$	$A_{RIG-V}(g)$		
CDC 2022 / I	CC ES AC156	2.00	1.0	1.5	3.20	2.40				
CBC 2022 / ICC-ES AC156		2.60	0.0	1.5			1.74	0.70		

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

UUTz-13

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid wall mounted with (3) #10 machine screws

	: Shimadzu Me		ns		cation: ET		(X)	
Component: Model Numbe	Hewlett Packard	WAP			ite: October		1 DEV 1	
	r: J9630A I: Wireless acces	s point	BUILD	report	Number: S	SQ10-1505		
	ion: Component		MALVISIC)N G4 Y	-Ray and Fl	ollroscopy	system	
	ion. Component		UUT PRO		-	ouroscopy	5y500111.	
	Din	nensions (in				atural Freq	uenov (U-	•)
Weight (lb)	Width	Depth	Hei	ght	FB	SS	· · · · · · · · · · · · · · · · · · ·	. <u>)</u> V
2	6.6	2.8	8.	0	N/A	N/.		N/A
		SEISM	IIC TEST	PARAN	AETERS			
Building Code	e / Test Criteria	$S_{DS}(g)$	z / h	IP	$A_{FLX-H}(g)$	$A_{RIG-H}(g)$	A _{FLX-V} (g) $A_{RIG-V}(g)$
		2.00	1.0	1.5	3.20	2.40		
CBC 2022 / I	CC-ES AC156	2.60	0.0	1.5			1.74	0.70
	as full of contents du ural integrity during				before and aft	er the ICC-ES	S AC156 tes	t. The unit



Mounting Details: Rigid floor mounted with (2) 3/8" diameter bolts



Manufacturer: Shimadzu Medical Systems	Test Location: ETL (Dallas, TX)
Component: Konica AERO X-Ray Interface	Test Date: October 2015
Model Number: AeroDR Interface Unit2	Report Number: SQ10-1503-1 REV 1
UUT Function: X-ray interface	

UUT Description: Component of the SONIALVISION G4 X-Ray and Flouroscopy system.

1											
		1	UUT PRO	PERTI	ES						
Waight (1h)	Din	Dimensions (inches)					Natural Frequency (Hz)				
Weight (lb)	Width	Depth	Hei	ght	FB	SS	5	V			
29	7.0	18.0	11	.3	12.0	14.	.3	11.5			
		SEISM	IIC TEST	PARAN	METERS						
Building Code	e / Test Criteria	S _{DS} (g)	z / h	IP	$A_{FLX-H}(g)$	$A_{RIG-H}\left(g ight)$	A _{FLX-V} (g)	$A_{RIG-V}(g)$			
CPC 2022 / I		2.00	1.0	1.5	3.20	2.40					
СВС 2022 / Г	CBC 2022 / ICC-ES AC156 2.60 0.0 1.5 1.74 0.70							0.70			
	as full of contents during				l before and aft	er the ICC-ES	S AC156 test.	The unit			



UUTz-16 UNIT UNDER TEST (UUT) SUMMARY SHEET									
Mounting Details: Rigid wall mounted with (4) #10 machine screws									
					7				
Manufacturer			ns		ocation: ET		(X)		
	LCD Screen - D	· VIA			ate: October				
	r: SMD19102-				Number: S	SQ10-1503	-1 REV 1		
-	: Wall mounted								
UUT Descript	ion: Componen	t of the SON	IALVISI	ON G4 2	X-Ray and Fl	ouroscopy	system		
		ττ	JUT PRO	DPERTI	ES				
Weight (lb)	Dir	nensions (ind	ches)		N	latural Freq	uency (Hz		
	Width	Depth		ight	FB	SS		V	
19	15.6	4.6	1	3.6	N/A	N/.	A	N/A	
		SEISM	IC TEST	PARA	METERS				
Building Code	e / Test Criteria	$S_{DS}(g)$	z / h	IP	A _{FLX-H} (g)	$A_{RIG-H}(g)$	A _{FLX-V} (g) $A_{RIG-V}(g)$	
		2.00	1.0	1.5	3.20	2.40			
CBC 2022 / I	CC-ES AC156	2.60	0.0	1.5			1.74	0.70	
	as full of contents d ural integrity during				l before and aft	er the ICC-ES	S AC156 tes	t. The unit	



Mounting Details: Rails and connecting parts of the component bolt with $2 - \frac{1}{2}$ " bolts (20 bolts total) to a Unistrut grid spaced at approximately 22" on center. The Unistrut grid consisted of Unistrut P1001 rails anchored with 2 - 3/8" bolts at each intersection to the ceiling fixture framing spaced at approximately 24" on center.

	initial e fran	mg spacea	ut upp	10/11	matery 2		•		
Manufacturer: Shimadzu Medical Systems Test Location: ETL (Dallas, TX)									
						ate: October		(X)	
	Flat Panel Moniter: ID1000F-2W		BU	ILC	INU			01	
			1.0		_	Number: S	SQ10-1203	-01	
	: Suspension of					_	~		
UUT Descript	ion: Component						py System		
	1			PRO	PERTI	ES			
*Weight (lb)		nensions (in	ches)				atural Freq		
	Width	Depth		Hei		FB	SS		V
294	38.0	80.0		68		N/A	N/2		N/A
* weight listed do	es not include addition						iation of varie	ea monitor o	configurations.
		SEISM	IC TI	EST	PARA	METERS		[
Building Code	e / Test Criteria	S _{DS} (g)	z /	h	Ip	$A_{FLX-H}(g)$	$A_{RIG-H}\left(g ight)$	A _{FLX-V} (§	g) $A_{RIG-V}(g)$
CPC 2022 / I	CC-ES AC156	2.00	1.()	1.5	3.20	2.40		
		2.60	0.0		1.5			1.74	0.70
Note: The unit w	as full of contents du	ring testing ar	nd rema	ined	functiona	l before and aft	er the ICC-ES	SAC156 tes	st. The unit

Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

UUTy	-6		UNIT UNDER TEST (UUT) SUMMARY SHEET WE. GUNDY & ASSOCIATES, INC. STRUCTURAL & EARTHQUAKE ENGINEERING									
Mounting Deta	Mounting Details: Rails and connecting parts of the component bolt with 2 – ½" bolts (20 bolts total) to a Unistrut grid spaced at approximately 22" on center. The Unistrut grid consisted of Unistrut P1001 rails anchored with 2 - 3/8" bolts at each intersection to the ceiling fixture framing spaced at approximately 24" on center.											
Manufacturer	: Shimad CH-200 C			s		cation: ET		TX)				
Component: ,	Transvers	e Brid	ge	BUTT	16	te: October		01				
Model Numbe						Number: S		-01				
UUT Descripti		· 1	•			0 1	0 0					
I I I I		1		UT PRO	•	-						
		Dir	nensions (inc				atural Freq	uencv (Hz)			
Weight (lb)	Widt		Depth	Hei	ght	FB	SS	Ì		V		
740	216.5	5	129.9	112	2.2	N/A	N/.	A		N/A		
			SEISMI	C TEST	PARAN	IETERS						
Building Code	e / Test Cı	riteria	$S_{DS}(g)$	z / h	IP	$A_{FLX-H}(g)$	$A_{RIG-H}(g)$	A _{FLX-V}	(g)	A _{RIG-V} (g)		
		01 <i>5</i> ć	2.00	1.0	1.5	3.20	2.40					
CBC 2022 / I	CC-ES A	C156	2.60	0.0	1.5			1.74	ŀ	0.70		
Note: The unit wa maintained struct						before and aft	er the ICC-ES	5 AC156	test.	The unit		

UUT_y-8



Mounting Details: Combined rigid wall mounted with (2) 3/8" diameter bolts and rigid floor mounted with (4) 3/8" diameter bolts

	with (4) 3/8	" diameter	bolts					
	10 0							
Manufacturer	: Shimadzu Me	dical Syster	ns	Test	Location:	ETL (Dal	las, TX)	
Component:	BR-120 Wall Sta	nd - Wirele	ess Detecto	or Test	Date: Octo	ber 2012		
Model Numbe	er: 503-61800-1	3		Rep	ort Number:	: SQ10-120	05-01	
UUT Function	: Radiographic	wall stand f	or X-ray	exposure	5			
UUT Descript	Component ion: system, inc Digital Det	ludes seism			IALVISION 1059. Tested	•		
			UUT PRO	OPERTI	ES			
Waight (11)	Dim	nensions (in	ches)		N	latural Freq	uency (H	z)
Weight (lb)	Width	Depth		eight	FB	SS		V
264	24.8	14.4	8	4.8	N/A	N/.	A	N/A
		SEISM	IIC TEST	PARA!	METERS			
Building Code	e / Test Criteria	S _{DS} (g)	z / h	Ip	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (§	g) $A_{RIG-V}(g)$
CDC 2022 / I		2.00	1.0	1.5	3.20	2.40		
СВС 2022 / 1	CC-ES AC156	2.60	0.0	1.5			1.74	0.70
maintained struct	as full of contents du ural integrity during the production units	and after the						

UUT_y-10A

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid wall mounted with (6) #10 hex bolts



UUT_y-10B

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Rigid base mounted with (2) ¹/₄" diameter hex bolts





Mounting Details: Rigid floor mounted with (4) ¹/₂" diameter bolts

Manufacturor	: Shimadzu Me	dical System		Test Lo	cation: ET	(Dallas T		
	BK-200 Table –		<u> </u>	1/202	ite: October	V	- Λ)	
	r: 503-61750-0			MANNA	Number:		-01	
	: Motorized pat		support a			·		
UUT Descript	Componen	t of the RAD SMK1059. To	SPEED >	K-Ray an	d Flourosco	py System,	includes se	
		U	UT PRO	PERTI	ES			
Weight (lb)	Din	nensions (inc	hes)		N	atural Freq	uency (Hz)	
with Patient	Width	Depth	He	ight	FB	SS	5	V
1,070	31.9	92.5		8.5	>33.0	4.:		9.6
	noves vertically and ng position with a v							vas tested in
		SEISM	C TEST	PARAM	METERS			
Building Code	e / Test Criteria	S _{DS} (g)	z / h	IP	A _{FLX-H} (g)	$A_{RIG-H}(g)$	A _{FLX-V} (g)	A _{RIG-V} (g
		2.00	1.0	1.5	3.20	2.40		
СВС 2022 / 1	CC-ES AC156	2.60	0.0	1.5			1.74	0.70
maintained struct	as full of contents during ural integrity during the production unit	and after the I						



UUT_y-21



Mounting Details: Combined rigid wall mounted with (2) 3/8" diameter bolts and rigid floor mounted with (4) 3/8" diameter bolts Manufacturer: Shimadzu Medical Systems **Test Location:** ETL (Dallas, TX) BR-120 Wall Stand **Component:** Test Date: October 2012 **Fixed Panel Detector** Model Number: 503-61800-13 Report Number: SQ10-1205-01 UUT Function: Radiographic wall stand for X-ray exposures Component of the RADSPEED X-Ray and Flouroscopy System. Tested with Canon **UUT Description:** CXDI-70C Wireless Digital Detector. **UUT PROPERTIES Dimensions** (inches) Natural Frequency (Hz) Weight (lb) Width FB V Depth Height SS 264 24.8 14.4 84.8 N/A N/A N/A SEISMIC TEST PARAMETERS $A_{FLX-H}(g) | A_{RIG-H}(g) | A_{FLX-V}(g) | A_{RIG-V}(g)$ Building Code / Test Criteria z / h $S_{DS}(g)$ Ip 1.5 2.001.0 3.20 2.40-----CBC 2022 / ICC-ES AC156 2.60 0.0 1.5 1.74 0.70 Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.







UUT_y-30



		50					STRUCTURAL & EARTH	IQUAKE ENGINEERING
Mounting Det	ails: Combined			th (2) 1/4	4" diameter l	oolts and rig	gid floor m	ounted
	with (4) 3/	8" diameter b	polts					
						0		
Manufacturer	: Shimadzu Mo	edical System	15	Test Lo	cation: ET	L (Dallas, T	TX)	
Component:	80kW High Vol UB150B-40 Gei	tage nerator Cabir	net	Test Da	ite: October	2012		
Model Numbe	er: 502-23375-0	01		Report	Number: S	SQ10-1205-	-01	
UUT Function	: Generator for	[.] radiography	system)INO				
UUT Descript	ion: Componer	nt of the RAD	SPEED X	K-Ray an	d Flourosco	py System		
		Ţ	JUT PRO	PERTI	ES			
	Dii	mensions (inc	ches)		N	latural Freq	uency (Hz))
Weight (lb)	Width	Depth	Hei	ght	FB	SS		V
435	27.6	15.9	71	-	N/A	N/.	A	N/A
		SEISM	IC TEST	PARAN	AETERS			
Building Code	e / Test Criteria	$S_{DS}(g)$	z / h	IP	$A_{FLX-H}(g)$	$A_{RIG-H}(g)$	A _{FLX-V} (g)	$A_{RIG-V}(g)$
		2.00	1.0	1.5	3.20	2.40		
CBC 2022 / I	CC-ES AC156	2.60	0.0	1.5			1.74	0.70
maintained struct	as full of contents d ural integrity during the production unit	luring testing an g and after the I	d remained	functional			S AC156 test	The unit

UUT_x-1A

UNIT UNDER TEST (UUT) SUMMARY SHEET



Mounting Details: Combined rigid wall mounted with (2) 5/16" diameter grade 5 bolts and rigid floor mounted with (4) 1/2" diameter bolts

	mounted w	101 (4) 1/2 (4)	uia		5115					
Manufacturer: Shimadzu Medical Systems Test Location: ETL (Dallas, TX)										
Manufacturer	: Shimadzu Me	dical Systen	ns		Test Lo	ocation: ET	L (Dallas, 7	ΓX)		
	BR-120T Tilting Wireless Detecto				Test Da	ate: Novemb	oer 2024			
Model Numbe	er: 566-16600-5	0 4	B	UII	Report	Number: 1	7550 Rev	1		
UUT Function	Radiographic									
UUT Descript	Component ion: CXDI-7200 orientation.	C Wireless I				d Flouroscoj mal operatio				
		ι	UU	T PRO	PERTI	ES				
Weight (lb)	Din	nensions (in	che	es)		N	latural Freq	uency ((Hz)	
	Width	Depth		Hei		FB	SS			V
378	24.8	25.4		84		N/A	N/.	A		N/A
		SEISM	IC	TEST	PARA	METERS				
Building Code	e / Test Criteria	S _{DS} (g)		z / h	Ip	A _{FLX-H} (g)	$A_{RIG-H}\left(g ight)$	A _{FLX-V}	/ (g)	$A_{RIG-V}\left(g\right)$
CBC 2022 / I	CC-ES AC156	2.00		1.0	1.5	3.20	2.40			
		2.50		0.0	1.5			1.6		0.67
	as full of contents du ural integrity during					l before and aft	er the ICC-ES	S AC156	test.	The unit

Mounting Details: Combined rigid wall mounted with (2) 5/16" diameter grade 5 bolts and rigid floor



mounted with (4) 1/2" diameter bolts Test Location: ETL (Dallas, TX) Manufacturer: Shimadzu Medical Systems BR-120T Tilting Wall Stand **Component:** Test Date: November 2024 Wireless Detector Flat Model Number: 566-16600-50 Report Number: 17550 Rev 1 **UUT Function:** Radiographic tilting wall stand for X-ray exposures Component of the RADSPEED X-Ray and Flouroscopy System. Tested with Canon UUT Description: CXDI-720C Wireless Detector in normal operation position for the flat / horizontal orientation. **UUT PROPERTIES** Dimensions (inches) Natural Frequency (Hz) Weight (lb) Width V Depth Height FB SS N/A N/A 378 24.832.8 84.8 N/A SEISMIC TEST PARAMETERS Building Code / Test Criteria z / h $A_{FLX-H}(g)$ $S_{DS}(g)$ IΡ $A_{\text{RIG-H}}(g) | A_{\text{FLX-V}}(g) | A_{\text{RIG-V}}(g)$ 2.00 1.0 1.5 3.20 2.40---CBC 2022 / ICC-ES AC156 2.50 0.0 1.5 1.67 0.67 Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.