



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION

APPLICATION FOR OSHPD SPECIAL SEISMIC
CERTIFICATION PREAPPROVAL (OSP)

OFFICE USE ONLY

APPLICATION #: OSP-0479

OSHPD Special Seismic Certification Preapproval (OSP)

Type: ☐ New ☒ Renewal

Manufacturer Information

Manufacturer: GE Healthcare

Manufacturer's Technical Representative: Tom Farnow

Mailing Address: 3000 N. Grandview Blvd., Waukesha, WI 53188-1696

Telephone: (888) 406-1101

Email: Tom.Farnow@gehcseismic.com

Product Information

Product Name: Fluoroscopy and Radiography Systems

Product Type: NA

Product Model Number: Optima XR646, Optima XR646 HD, Discovery XR656 Plus, Discovery XR656 HD

General Description: System components of multiple-component medical diagnostic radiography imaging systems.

Mounting Description: See Attachment 1, Tables 1 & 2 for approved mounting types., See Attachment 1, Tables 1 & 2 for approved mounting types.

Tested Seismic Enhancements: Seismic enhancements made to the test units and/or modifications required to address anomalies during the tests shall be incorporated into the production units.

Applicant Information

Applicant Company Name: EASE LLC

Contact Person: Jonathan Roberson

Mailing Address: 5877 Pine Ave Suite 210, Chino Hills, CA 91709

Telephone: (909) 606-7622

Email: j.roberson@easeco.com

Title: Principal Engineer





**OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
FACILITIES DEVELOPMENT DIVISION**

California Licensed Structural Engineer Responsible for the Engineering and Test Report(s)

Company Name: EASE

Name: Jonathan Roberson

California License Number: S4197

Mailing Address: 5877 Pine Ave., Suite 210, Chino Hills, CA 91709

Telephone: (909) 606-7622

Email: jon@EASECo.com

Certification Method

☐ GR-63-Core

☒ ICC-ES AC156

☐ IEEE 344

☐ IEEE 693

☐ NEBS 3

☐ Other (Please Specify): _____

Testing Laboratory

Company Name: ENVIRONMENTAL TESTING LABORATORIES, INC. (ETL)

Contact Person: Brady Richard

Mailing Address: 11034 Indian Trail, Dallas TX 75229-3513

Telephone: (972) 247-9657

Email: brady@etldallas.com



OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT FACILITIES DEVELOPMENT DIVISION

Seismic Parameters

Design Basis of Equipment or Components (F_p/W_p) = See Attachment 1, Tables 1 & 2

SDS (Design spectral response acceleration at short period, g) = 2.0 & 2.5

a_p (Amplification factor) = See Attachment 1, Tables 1 & 2

R_p (Response modification factor) = See Attachment 1, Tables 1 & 2

Ω_0 (System overstrength factor) = 2.0

I_p (Importance factor) = 1.5

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

Natural frequencies (Hz) = See Attachment 2

Overall dimensions and weight = See Attachment 1, Tables 1 & 2

OSHPD Approval (For Office Use Only) - Approval Expires on 12/31/2025

Date: 11/16/2020

Name: Timothy Piland

Title: Senior Structural Engineer

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

z/h = See Above

Condition of Approval (if applicable):

DATE: 11/16/2020



ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

ATTACHMENT PAGE | 1 OF 8

TABLE 1:

Manufacturer	GE HEALTHCARE												
System	Optima XR646 / Discovery XR656 Plus												
COMPONENT	MODEL NUMBER	APPROX. DIMENSIONS (IN.)			MAX. WT. (LB.)	MOUNT	BASIS ^[1]	F _P /W _P	S _{DS}	z/h	a _P	R _P	Ω ₀
		W	D	H									
OVERHEAD TUBE SUPPORTS													
Overhead Tube Support:	5500972	83.54	25.8	35.5 / 106.3 ^[4]	820	Ceiling	UUT7	3.60 1.50	2.0 2.5	1 0	2 ½	2 ½	2
• Tube Support	5139720												
• OTS 2 Meter Bridge	5693326												
• X-Ray Tube	46-155400G284												
• Collimator (AL01C II)	Type: 5234954												
Overhead Tube Support:		120.5	25.8	35.5 / 106.3 ^[4]	885	Ceiling	UUT8						
• Tube Support	5139720												
• OTS 3 Meter Bridge	5693325												
• X-Ray Tube	46-155400G284												
• Collimator (AL01C II)	Type: 5234954												
Overhead Tube Support:		83.875	25.8	32 / 102.6 ^[4]	880	Ceiling	UUT9						
• Tube Support	5135678-3												
• OTS 2 Meter Bridge	5143542												
• X-Ray Tube	46-155400G284												
• Collimator (AL01C II)	Type: 5234954												
Overhead Tube Support:		83.875	25.8	32 / 102.6 ^[4]	880	Ceiling	SAME						
• Tube Support	5135678-4												
• OTS 2 Meter Bridge	5143542												
• X-Ray Tube	46-155400G284												
• Collimator (AL01C II)	Type: 5234954												
Overhead Tube Support:		157	26.29	32 / 102.6 ^[4]	1170	Ceiling	INT						
• Tube Support	5135678-3 5135678-4												
• OTS 3 Meter Bridge	5127305												
• X-Ray Tube	46-155400G284												
• Collimator (AL01C II)	Type: 5234954												

Table continues next page

ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

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TABLE 1:

Manufacturer	GE HEALTHCARE												
System	Optima XR646 / Discovery XR656 Plus												
COMPONENT	MODEL NUMBER	APPROX. DIMENSIONS (IN.)			MAX. WT. (LB.)	MOUNT	BASIS ^[1]	F _P /W _P	S _{DS}	z/h	a _P	R _P	Ω ₀
		W	D	H									
Overhead Tube Support:		157	26.29	32 / 102.6 ^[4]	1170	Ceiling	SAME	3.60 1.50	2.0 2.5	1 0	2 ½	2 ½	2
• Tube Support	5135678-4												
• OTS 4 Meter Bridge	5189123												
• X-Ray Tube	46-155400G284												
• Collimator (AL01C II)	Type: 5234954												
Overhead Tube Support:		157	26.29	32 / 102.6 ^[4]	1170	Ceiling	UUT10	3.60 1.50	2.0 2.5	1 0	2 ½	2 ½	2
• Tube Support	5135678-3												
• OTS 4 Meter Bridge	5189123												
• X-Ray Tube	46-155400G284												
• Collimator (AL01C II)	Type: 5234954												
PATIENT TABLES													
Elevating Table	GCTBL-C2	94.5	36.7	19.7 min 33.5 max	705 ^[2]	Floor	UUT1	2.40 1.13	2.0 2.5	1 0	1	1 ½	2
• URP Detector	5340000-X ^[3]	23	17.8	10.5									
WALLSTANDS													
Wall Stand	GCWS-C1	27	52.91	103.46	596	Floor	UUT3	2.40 1.13	2.0 2.5	1 0	1	1 ½	2
• URP Detector	5340000-X ^[3]	23	17.8	1	10.5								
Extended Wall Stand	GCEWS-C1	27	65.67	103.46	618	Floor	UUT4	2.40 1.13	2.0 2.5	1 0	1	1 ½	2
• URP Detector	5340000-X ^[3]	23	17.8	1	10.5								
SYSTEM CONTROL													
System Cabinet	5397035	28	23.75	55.25	705	Wall/Floor	UUT2	1.44 1.13	2.0 2.5	1 0	1	2 ½	2
NM Host (HP Z420) ^[6]	5370540-20	7.0	20.0	17.8	37	Floor	UUT-1435-2	1.50 1.13	2.0 2.5	1 0	2 ½	6	2
HP Z420 Workstation	5840000-3	7.0	20.0	17.8	37	Floor	SAME	1.50 1.13	2.0 2.5	1 0	2 ½	6	2
HP Z420 Workstation	5840000-4	7.0	20.0	17.8	37	Floor	SAME	1.50 1.13	2.0 2.5	1 0	2 ½	6	2
MISCELLANEOUS													
Dongle Assembly	5397317- X ^[3]	7	6.1	3.75	5.5	Wall	UUT5	1.50 1.13	2.0 2.5	1 0	2 ½	6	2

Table continues next page

ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

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TABLE 1:

Manufacturer		GE HEALTHCARE											
System		Optima XR646 / Discovery XR656 Plus											
COMPONENT	MODEL NUMBER	APPROX. DIMENSIONS (IN.)			MAX. WT. (LB.)	MOUNT	BASIS ^[1]	F _P /W _P	S _{DS}	z/h	a _P	R _P	Ω ₀
		W	D	H									
Detector BIN	5394348	21	4.7	14.17	33	Wall or	UUT6	2.40	2.0	1	1	1 ½	2
• URP Detector	5340000-X ^[3]	23	17.8	1	10.5	Floor	UUT11	1.13	2.5	0			
Mount	<p>RIGID BASE (FLOOR): free-standing, base-mounted tower configuration with the component rigidly attached to a supporting structure and no lateral support above the base.</p> <p>CEILING: Equipment is anchored to, and suspended from, a rigid framing system at or slightly above the ceiling line of the room.</p> <p>WALL/FLOOR: equipment bears on, and may be anchored to, a supporting floor structure. In addition, lateral restraint anchoring the unit to an adjacent wall or other supporting structure is provided along the height of the equipment.</p> <p>WALL: equipment is fully supported by a building wall structure.</p>												
Notes	<ol style="list-style-type: none"> 1. BASIS: <ul style="list-style-type: none"> • UUT#: Indicates that a test specimen matching these characteristics was tested. • SAME: Model is physically, mechanically & electrically the same as test specimen. Difference is limited to model number, color, software and/or GE manufacturing location. • INT (Interpolated or Extrapolated): indicates a model that was not specifically tested, and by which seismic certification is established through evaluation of testing of other, similar models in the product line. 2. Patient Table weight does not include the 706 lb. simulated patient load present during testing. 3. "X" is a number which may vary from a value of "1" to "99" and indicates firmware differences. 4. Measured from top of longitudinal rail to focal point. 5. All components in table are manufactured by GE Healthcare unless otherwise noted. 6. Unit is not a component of the radiography systems listed. It is included here only to establish a basis for other models listed herein. 												

ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

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TABLE 2:

Manufacturer	GE HEALTHCARE												
System	Optima XR646 HD / Discovery XR656 HD												
COMPONENT	MODEL NUMBER	APPROX. DIMENSIONS (IN.)			MAX. WT. (LB.)	MOUNT	BASIS ^[1]	F _p /W _p	S _{DS}	z/h	a _p	R _p	Ω ₀
		W	D	H									
OVERHEAD TUBE SUSPENSIONS (OTS)													
Overhead Tube Suspension Assembly with: ^[10]		172.6	26.3	36.3 / 107.1 ^[4]	1092	Ceiling	1812-7	3.60 1.50	2.0 2.5	1 0	2 ½	2 ½	2
• 4 Meter Bridge	5189123												
• Tube Support	5135678-7												
• X-Ray Tube	46-155400G284												
• Collimator (AL01C II eL)	5739663												
• Longitudinal Rails (134")	46-316480G1												
Overhead Tube Suspension Assembly with: ^[10]		172.6	26.3	36.3 / 107.1 ^[4]	1149	Ceiling	INT	3.60 1.50	2.0 2.5	1 0	2 ½	2 ½	2
• 4 Meter Bridge	5189123												
• Tube Support	5135678-7												
• X-Ray Tube	46-155400G284												
• Collimator (AL01C II eL)	5730663												
• Longitudinal Rails (134" to 228")	46-316480G1 to 46-316480G24												
Overhead Tube Suspension Assembly with: ^[10]		172.6	26.3	36.3 / 107.1 ^[4]	1149	Ceiling	INT	3.60 1.50	2.0 2.5	1 0	2 ½	2 ½	2
• 4 Meter Bridge	5189123												
• Tube Support	5135678-8												
• X-Ray Tube	46-155400G284												
• Collimator (AL01C II eL)	5730663												
• Longitudinal Rails (134" to 228")	46-316480G1 to 46-316480G24												
Overhead Tube Suspension Assembly with: ^[10]		120	26	36.3 / 107.1 ^[4]	1029	Ceiling	INT	3.60 1.50	2.0 2.5	1 0	2 ½	2 ½	2
• 3 Meter Bridge	5127305												
• Tube Support	5135678-7												
• X-Ray Tube	46-155400G284												
• Collimator (AL01C II eL)	5730663												
• Longitudinal Rails (134" to 228")	46-316480G1 to 46-316480G24												

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ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

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TABLE 2:

Manufacturer		GE HEALTHCARE												
System		Optima XR646 HD / Discovery XR656 HD												
COMPONENT		MODEL NUMBER	APPROX. DIMENSIONS (IN.)			MAX. WT. (LB.)	MOUNT	BASIS ^[1]	F _P /W _P	S _{DS}	z/h	a _P	R _P	Ω ₀
			W	D	H									
Overhead Tube Suspension Assembly with: ^[10]			120	26	36.3 / 107.1 ^[4]	1029	Ceiling	INT	3.60 1.50	2.0 2.5	1 0	2 ½	2 ½	2
• 3 Meter Bridge		5127305												
• Tube Support		5135678-8												
• X-Ray Tube		46-155400G284												
• Collimator (AL01C II eL)		5730663												
• Longitudinal Rails (134" to 228")		46-316480G1 to 46-316480G24												
Overhead Tube Suspension Assembly with: ^[10]			82.6	26	36.3 / 107.1 ^[4]	927	Ceiling	INT	3.60 1.50	2.0 2.5	1 0	2 ½	2 ½	2
• 2 Meter Bridge		5143542												
• Tube Support		5135678-7												
• X-Ray Tube		46-155400G284												
• Collimator (AL01C II eL)		5730663												
• Longitudinal Rails (134" to 228")		46-316480G1 to 46-316480G24												
Overhead Tube Suspension Assembly with: ^[10]			82.6	26	36.3 / 107.1 ^[4]	927	Ceiling	INT	3.60 1.50	2.0 2.5	1 0	2 ½	2 ½	2
• 2 Meter Bridge		5143542												
• Tube Support		5135678-8												
• X-Ray Tube		46-155400G284												
• Collimator (AL01C II eL)		5730663												
• Longitudinal Rails (134" to 228")		46-316480G1 to 46-316480G24												
Overhead Tube Suspension Assembly with: ^[6]			172.6	26.29	32 / 102.6 ^[4]	1170	Ceiling	UUT10 ^[6]	3.60 1.50	2.0 2.5	1 0	2 ½	2 ½	2
• OTS 4 Meter Bridge		5189123												
• Tube Support		5135678-3												
• X-Ray Tube		46-155400G284												
• Collimator (AL01C II)		5234954												
Overhead Tube Suspension Assembly with: ^[6]			83.875	25.8	32 / 102.6 ^[4]	880	Ceiling	UUT9 ^[6]	3.60 1.50	2.0 2.5	1 0	2 ½	2 ½	2
• OTS 2 Meter Bridge		5143542												
• Tube Support		5135678-3												
• X-Ray Tube		46-155400G284												
• Collimator (AL01C II)		5234954												

Table continues next page

ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

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TABLE 2:

Manufacturer	GE HEALTHCARE												
System	Optima XR646 HD / Discovery XR656 HD												
COMPONENT	MODEL NUMBER	APPROX. DIMENSIONS (IN.)			MAX. WT. (LB.)	MOUNT	BASIS ^[1]	F _P /W _P	S _{DS}	z/h	a _P	R _P	Ω ₀
		W	D	H									
Overhead Tube Suspension Assembly with: ^[9]		83.5	25.8	35.5 / 106.3 ^[4]	820	Ceiling	INT	3.60 1.50	2.0 2.5	1 0	2 ½	2 ½	2
• 2 Meter Bridge	5693326												
• Tube Support	5139720												
• X-Ray Tube	46-155400G284												
• Collimator (AL01C II eL)	5730663												
• Longitudinal Rails (156" to 228")	5340818	82.6	26	35.5 / 106.3 ^[4]	885	Ceiling	INT	3.60 1.50	2.0 2.5	1 0	2 ½	2 ½	2
• Longitudinal Rails (162" to 218")	46-316480G8 to 46-316480G22												
or													
• Longitudinal Rails (228")	46-316480G24												
Overhead Tube Suspension Assembly with: ^[9]													
• 3 Meter Bridge	5693325	120.5	25.8	35.5 / 106.3 ^[4]	885	Ceiling	UUT8 ^[6]	3.60 1.50	2.0 2.5	1 0	2 ½	2 ½	2
• Tube Support	5139720												
• X-Ray Tube	46-155400G284												
• Collimator (AL01C II eL)	5730663												
• Longitudinal Rails (156" to 228")	5340818												
• Longitudinal Rails (162" to 218")	46-316480G8 to 46-316480G22	120.5	25.8	35.5 / 106.3 ^[4]	885	Ceiling	UUT8 ^[6]	3.60 1.50	2.0 2.5	1 0	2 ½	2 ½	2
or													
• Longitudinal Rails (228")	46-316480G24												
Overhead Tube Suspension Assembly with: ^[6]													
• Tube Support	5139720												
• OTS 3 Meter Bridge	5693325												
• X-Ray Tube	46-155400G284												
• Collimator (AL01C II)	Type: 5234954												
PATIENT TABLES													
Radiographic Table w/	GCTBL-C3	95	36	20 - 34	838 ^[2]	Rigid Base	1812-1	2.40 1.13	2.0 2.5	1 0	1	1 ½	2
• FlashPad HD 14 x 17 ^[7]	5771417	18	15	0.6	7.2								
Radiographic Table w/	GCTBL-C3	95	36	20 - 34	838	Rigid Base	INT	2.40 1.13	2.0 2.5	1 0	1	1 ½	2
• FlashPad HD 17 x 17	5771717	18	18	0.6	8.4								

Table continues next page

ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

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TABLE 2:

Manufacturer		GE HEALTHCARE											
System		Optima XR646 HD / Discovery XR656 HD											
COMPONENT	MODEL NUMBER	APPROX. DIMENSIONS (IN.)			MAX. WT. (LB.)	MOUNT	BASIS ^[1]	F _p /W _p	S _{DS}	z/h	a _p	R _p	Ω ₀
		W	D	H									
Radiographic Table w/	GCTBL-C33	95	36	20 - 34	838 ^[2]	Rigid Base	SAME AS 1812-1	2.40	2.0	1	1	1 ½	2
• FlashPad HD 14 x 17 ^[7]	5771417	18	15	0.6	7.2			1.13	2.5	0			
Radiographic Table w/	GCTBL-C33	95	36	20 - 34	838	Rigid Base	INT	2.40	2.0	1	1	1 ½	2
• FlashPad HD 17 x 17	5771717	18	18	0.6	8.4			1.13	2.5	0			
Radiographic Table w/	GCTBL-C5	91.7	33	20.7 - 32.5	727	Rigid Base	INT	2.40	2.0	1	1	1 ½	2
• FlashPad HD 14 x 17 ^[7]	5771417	18	15	0.6	7.2			1.13	2.5	0			
Radiographic Table w/	GCTBL-C5	91.7	33	20.7 - 32.5	727 ^[3]	Rigid Base	1812-2	2.40	2.0	1	1	1 ½	2
• FlashPad HD 17 x 17	5771717	18	18	0.6	8.4		1812-2A	1.13	2.5	0			
WALLSTANDS													
Motorized Extended Wall Stand w/	GCEWS-C3	27	65.7	103.46	642	Rigid Base	1812-8	2.40	2.0	1	1	1 ½	2
• FlashPad HD 17 x 17	5771717-X	18	18	0.6	8.4		1812-8A	1.13	2.5	0			
Motorized Extended Wall Stand w/	GCEWS-C3	27	65.7	103.46	642	Rigid Base	INT	2.40	2.0	1	1	1 ½	2
• FlashPad HD 14 x 17	5771417	18	15	0.6	7.2			1.13	2.5	0			
Motorized Wall Stand w/	GCWS-C3	27	52.9	103.46	624.4	Rigid Base	INT	2.40	2.0	1	1	1 ½	2
• FlashPad HD 17 x 17	5771717	18	18	0.6	8.4			1.13	2.5	0			
Motorized Wall Stand w/	GCWS-C3	27	52.9	103.46	624.4	Rigid Base	INT	2.40	2.0	1	1	1 ½	2
• FlashPad HD 14 x 17	5771417	18	15	0.6	7.2			1.13	2.5	0			
Manual Wall Stand w/ ^[9]	GCMWS-C5	27	40.1	103.43	537	Rigid Base	INT	2.40	2.0	1	1	1 ½	2
• FlashPad HD 17 x 17	5771717	18	15	0.6	7.2			1.13	2.5	0			
Manual Wall Stand w/ ^[9]	GCMWS-C5	27	40.1	103.43	537	Rigid Base	1812-9	2.40	2.0	1	1	1 ½	2
• FlashPad HD 14 x 17	5771417	18	15	0.6	7.2			1.13	2.5	0			
SYSTEM CONTROL & POWER													
HP Z440 Workstation ^[4]	8770000-24	6.6	17.5	17	38.5	Rigid Base	1812-3	1.44 1.13	2.0 2.5	1 0	1	2 ½	2
System Cabinet	GCC-C3	33.3	26	58	705	Wall/Floor	1812-4	1.44 1.13	2.0 2.5	1 0	1	2 ½	2
AP Assembly w/	5720157	7.13	7.13	3.0	1.3	Wall	1812-5	2.40	2.0	1	1	1 ½	2
• Mounting Bracket	8778430							1.13	2.5	0			
Tether Interface Box (TIB)	5765910	5.7	10	12.2	13.4	Wall	1812-6	1.50 1.13	2.0 2.5	1 0	2 ½	6	2

Table continues next page

ATTACHMENT 1: SEISMIC CERTIFIED COMPONENTS

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TABLE 2:

Manufacturer	GE HEALTHCARE												
System	Optima XR646 HD / Discovery XR656 HD												
COMPONENT	MODEL NUMBER	APPROX. DIMENSIONS (IN.)			MAX. WT. (LB.)	MOUNT	BASIS ^[1]	F _p /W _p	S _{DS}	z/h	a _p	R _p	Ω ₀
		W	D	H									
Mount	<p><u>RIGID BASE</u>: free-standing, base-mounted tower configuration with the component rigidly attached to a supporting structure and no lateral support above the base.</p> <p><u>CEILING</u>: Equipment is anchored to, and suspended from, a rigid framing system at or slightly above the ceiling line of the room.</p> <p><u>WALL/FLOOR</u>: equipment bears on, and may be anchored to, a supporting floor structure. In addition, lateral restraint anchoring the unit to an adjacent wall or other supporting structure is provided along the height of the equipment.</p> <p><u>WALL</u>: equipment is fully supported by a building wall structure.</p>												
Notes	<p>1. BASIS:</p> <ul style="list-style-type: none">• UUT#: Indicates that a test specimen matching these characteristics was tested.• SAME: Model is physically, mechanically & electrically the same as test specimen. Difference is limited to model number, color, software and/or GE manufacturing location.• INT (Interpolated or Extrapolated): indicates a model that was not specifically tested, and by which seismic certification is established through evaluation of testing of other, similar models in the product line. <p>2. Patient Table weight does not include the 705 lb. simulated patient load present during testing.</p> <p>3. Patient Table weight does not include the 551 lb. simulated patient load present during testing.</p> <p>4. Measured from top of longitudinal rail to focal point.</p> <p>5. All components in table are manufactured by GE Healthcare unless otherwise noted.</p> <p>6. Unit is not a component of the systems identified in this table. It is included here only to establish a basis for other models listed herein.</p> <p>7. Seismically certified units shall have the detector retention bracket present during testing installed when used with 14 x 17 detector.</p> <p>8. Components are common to all systems in this table, unless otherwise noted.</p> <p>9. Component of the XR646 system only.</p> <p>10. Component of the XR656 system only.</p>												

ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT- 1 Elevating Table	
MANUFACTURER:	GE Healthcare
IDENTIFICATION:	Model: GCTBL-C2 Serial: 133632HL0
DESCRIPTION:	System component of Optima XR646 & Discovery XR656 Plus systems. URP Detector (Model: 5340000-7) portable digital detector installed.
MOUNTING:	Rigid Base (Floor) mounted using (4) – ½" dia GR 8 bolts




PROPERTIES:						
DIMENSIONS (in.)			Weight (lb.)	LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height		Front-Axis	Side-Axis	Vertical-Axis
94.5	36.7	19.7 min 33.5 max	705 + 706 patient	4.7	14.0	6.7

SHAKE TABLE TEST PARAMETERS								
CODE	TEST CRITERIA	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016	ICC-ES AC156	2.0 2.5	1.0 0.0	1.5	3.2 2.5	2.4 1.0	1.34 1.68	0.54 0.68

Unit maintained structural integrity and remained functional per manufacturer requirement.

UUT- 2 System Cabinet	
MANUFACTURER:	GE Healthcare
IDENTIFICATION:	Model: 5397035 Serial: 135366HL3
DESCRIPTION:	System component of Optima XR646 & Discovery XR656 Plus systems.
MOUNTING:	<u>Wall/Floor mounted using:</u> 3/16" steel bracket at top w/ <ul style="list-style-type: none">• (4) – ¼" self-tapping, self-threading, hex washer head sheet metal (Tek) screws through 5/8" drywall to 4x16ga steel track backing plate in wall.• (2) – M12 Bolts (P/N 3212284) to cabinet. (2) – 5/16" steel brackets, one each side. Each bracket secured w/ <ul style="list-style-type: none">• (3) – ¼" Tek screws through 5/8" drywall to 4x16ga steel track backing plate in wall.• (2) – M5-Class 8.8 screws (P/N 5694430) to cabinet. Prototype brackets P/N 5343949 (3-bracket set). Production brackets released as P/N 5692807 (Top) & P/N 5692809 (Sides) Unit bears on, but is not anchored to, the floor structure.



PROPERTIES:						
DIMENSIONS (in.)			Weight (lb.)	LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height		Side-Axis	Front-Axis	Vertical-Axis
28	23.75	55.25	705	---	---	---


SHAKE TABLE TEST PARAMETERS								
CODE	TEST CRITERIA	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016	ICC-ES AC156	2.0 2.5	1.0 0.0	1.5	3.2 2.5	2.4 1.0	1.34 1.68	0.54 0.68

Unit maintained structural integrity and remained functional per manufacturer requirement.

ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT- 3 Wall Stand	
MANUFACTURER:	GE Healthcare
IDENTIFICATION:	Model: GCWS-C1 Serial: 135195HL6
DESCRIPTION:	System component of Optima XR646 & Discovery XR656 Plus systems. URP Detector (Model: 5340000-7) portable digital detector installed.
MOUNTING:	Rigid Base (Floor) mounted using (4) – 5/8" dia grade 8 bolts




PROPERTIES:						
DIMENSIONS (in.)			Weight (lb.)	LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height		Front-Axis	Side-Axis	Vertical-Axis
27	52.91	103.46	596	8.4	4.7	14.4

SHAKE TABLE TEST PARAMETERS								
CODE	TEST CRITERIA	S _{DS}	z/h	I _P	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016	ICC-ES AC156	2.0 2.5	1.0 0.0	1.5	3.2 2.5	2.4 1.0	1.34 1.68	0.54 0.68

Unit maintained structural integrity and remained functional per manufacturer requirement.

UUT- 4 Extended Wall Stand	
MANUFACTURER:	GE Healthcare
IDENTIFICATION:	Model: GCEWS-C1 Serial: 135586HL6
DESCRIPTION:	System component of Optima XR646 & Discovery XR656 Plus systems. URP Detector (Model: 5340000-7) portable digital detector installed.
MOUNTING:	Rigid Base (Floor) mounted using (4) – 5/8" dia grade 8 bolts




PROPERTIES:						
DIMENSIONS (in.)			Weight (lb.)	LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height		Front-Axis	Side -Axis	Vertical-Axis
27	65.67	103.46	618	8.7	3.3	5.0


SHAKE TABLE TEST PARAMETERS								
CODE	TEST CRITERIA	S _{DS}	z/h	I _P	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016	ICC-ES AC156	2.0 2.5	1.0 0.0	1.5	3.2 2.5	2.4 1.0	1.34 1.68	0.54 0.68

Unit maintained structural integrity and remained functional per manufacturer requirement.

ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT- 5 Dongle Assembly									
MANUFACTURER:		GE Healthcare							
IDENTIFICATION:		Model: 5397317-X							
DESCRIPTION:		System component of the Optima XR646 & Discovery XR656 Plus systems							
MOUNTING:		Wall mounted using (2) – #10 dia screws							
									
PROPERTIES:									
DIMENSIONS (in.)					LOWEST RESONANT FREQUENCY (Hz.)				
Width	Depth	Height	Weight (lb.)		Front-Axis	Side-Axis	Vertical-Axis		
7	6.1	3.75	5.5		---	---	---		
SHAKE TABLE TEST PARAMETERS									
CODE	TEST CRITERIA	S _{DS}	z/h	I _P	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}	
CBC 2016	ICC-ES AC156	2.0 2.5	1.0 0.0	1.5	3.2 2.5	2.4 1.0	1.34 1.68	0.54 0.68	
Unit maintained structural integrity and remained functional per manufacturer requirement.									

UUT- 6 Detector BIN (Wall mounted)									
MANUFACTURER:		GE Healthcare							
IDENTIFICATION:		Model: 5394348							
DESCRIPTION:		System component of Optima XR646 & Discovery XR656 Plus systems. URP Detector (Model: 5340000-7) portable digital detector installed.							
MOUNTING:		Wall mounted using (3) – #10 hex washer head Tek screws. 1.25" o.d. fender washer provided at bottom connection point.							
									
PROPERTIES:									
DIMENSIONS (in.)					LOWEST RESONANT FREQUENCY (Hz.)				
Width	Depth	Height	Weight (lb.)		Front-Axis	Side-Axis	Vertical-Axis		
21	4.7	14.17	33		---	---	---		
SHAKE TABLE TEST PARAMETERS									
CODE	TEST CRITERIA	S _{DS}	z/h	I _P	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}	
CBC 2016	ICC-ES AC156	2.0 2.5	1.0 0.0	1.5	3.2 2.5	2.4 1.0	1.34 1.68	0.54 0.68	
Unit maintained structural integrity and remained functional per manufacturer requirement.									

ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT- 7 Overhead Tube Support for Optima XR646 2-meter bridge

MANUFACTURER: GE Healthcare	
IDENTIFICATION: See schedule below	
DESCRIPTION:	Model No.
	Tube Support 5139720
	OTS 2M Bridge 5693326
	X-Ray Tube 46-155400G284
	Collimator AL01C II
	Longitudinal Rails 5340818
System component of Optima XR646 system.	
MOUNTING: Ceiling mounted using 1/2" dia bolts & Unistrut P1010 channel nuts w/ springs @ ea. end & 26" o.c. Typical ea. Longit. Rail. (5 locations ea. rail / 10 locations total) Unistrut parallel to rail.	



PROPERTIES:								
DIMENSIONS (in.)			Weight (lb.)	LOWEST RESONANT FREQUENCY (Hz.)				
Width	Depth	Height		Transverse-Axis	Longitudinal-Axis	Vertical-Axis		
83.54	25.8	35.5 min. / 106.3 max.		7.6	24.8	8.4		
SHAKE TABLE TEST PARAMETERS								
CODE	TEST CRITERIA	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016	ICC-ES AC156	2.0	1.0	1.5	3.2	2.4	1.34	0.54
		2.5	0.0		2.5	1.0	1.68	0.68
Unit maintained structural integrity and remained functional per manufacturer requirement.								

UUT- 8 Overhead Tube Support for Optima XR646 3-meter bridge


MANUFACTURER: GE Healthcare	
IDENTIFICATION: See schedule below	
DESCRIPTION:	Model No.
	Tube Support 5139720
	OTS 3M Bridge 5693325
	X-Ray Tube 46-155400G284
	Collimator AL01C II
	Longitudinal Rails 5340818
System component of Optima XR646 system.	
MOUNTING: Ceiling mounted using 1/2" dia bolts & Unistrut P1010 channel nuts w/ springs @ ea. end & 26" o.c. Typical ea. Longit. Rail. (5 locations ea. rail / 10 locations total) Unistrut parallel to rail.	




PROPERTIES:								
DIMENSIONS (in.)			Weight (lb.)	LOWEST RESONANT FREQUENCY (Hz.)				
Width	Depth	Height		Transverse-Axis	Longitudinal-Axis	Vertical-Axis		
120.5	25.8	35.5 min. / 106.3 max.	885	4.9	3.9	18.1		
SHAKE TABLE TEST PARAMETERS								
CODE	TEST CRITERIA	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016	ICC-ES AC156	2.0 2.5	1.0 0.0	1.5	3.2 2.5	2.4 1.0	1.34 1.68	0.54 0.68
Unit maintained structural integrity and remained functional per manufacturer requirement.								

ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT- 9 Overhead Tube Support for Discovery XR656 2-meter bridge									
MANUFACTURER: GE Healthcare									
IDENTIFICATION: See schedule below.									
DESCRIPTION:		Model No.							
Tube Support	5135678-3								
OTS 2M Bridge	5143542								
X-Ray Tube	46-155400G284								
Collimator	5234954								
Longitudinal Rails	5340818								
System component of Discovery XR656 Plus system.									
MOUNTING: Ceiling mounted using 1/2" dia bolts & Unistrut P1010 channel nuts w/ springs @ ea. end & 26" o.c. Typical ea. Longitudinal Rail. (5 locations each rail / 10 locations total). Unistrut parallel to rail.									
PROPERTIES:									
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)					
Width	Depth	Height	Weight (lb.)	Transverse-Axis		Longitudinal-Axis		Vertical-Axis	
83.875	25.8	32 min. / 102.6 max.	880	3.3		3.5		4.0	
SHAKE TABLE TEST PARAMETERS									
CODE	TEST CRITERIA	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}	
CBC 2016	ICC-ES AC156	2.0 2.5	1.0 0.0	1.5	3.2 2.5	2.4 1.0	1.34 1.68	0.54 0.68	
Unit maintained structural integrity and remained functional per manufacturer requirement.									

UUT- 10 Overhead Tube Support for Discovery XR656 4 meter bridge									
MANUFACTURER: GE Healthcare									
IDENTIFICATION: See schedule below.									
DESCRIPTION:		Model No.							
Tube Support	5135678-3								
OTS 4M Bridge	5189123								
X-Ray Tube	46-155400G284								
Collimator	5234954								
Longitudinal Rails	5340818								
System component of Discovery XR656 Plus system.									
MOUNTING: Ceiling mounted using 1/2" dia bolts & Unistrut P1010 channel nuts w/ springs @ ea. end & 26" o.c. Typical ea. Long Rail. (6 locations ea. rail / 12 locations total) Unistrut parallel to rail.									
PROPERTIES:									
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)					
Width	Depth	Height	Weight (lb.)	Transverse-Axis		Longitudinal-Axis		Vertical-Axis	
157	26.29	32 min. / 102.6 max.	1170	1.7		3.2		4.3	
SHAKE TABLE TEST PARAMETERS									
CODE	TEST CRITERIA	S _{DS}	z/h	I _p	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}	
CBC 2016	ICC-ES AC156	2.0 2.5	1.0 0.0	1.5	3.2 2.5	2.4 1.0	1.34 1.68	0.54 0.68	
Unit maintained structural integrity and remained functional per manufacturer requirement.									

ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT- 11		Detector Bin						
MANUFACTURER:		GE Hualun Medical Systems, Co. Ltd						
IDENTIFICATION:		Model: 5394348						
		Serial: 300752382-184-04						
DESCRIPTION:		System component of Optima XR646 & Discovery XR656 Plus systems. URP Detector (Model: 5340000-7) portable digital detector installed. 5 lb. of storage load added.						
MOUNTING:		Rigid Base (Floor) Mounted using (6) – ¼" dia. hex socket countersunk machine screws to tapped holes in aluminum plate.						
PROPERTIES:								
DIMENSIONS (in.)			LOWEST RESONANT FREQUENCY (Hz.)					
Width	Depth	Height	Weight (lb.)					
21	4.7	14.17	33					
			Front-Axis	Side-Axis	Vertical-Axis			
			1.2	30.8	14.7			
SHAKE TABLE TEST PARAMETERS								
CODE	TEST CRITERIA	S _{DS}	z/h	I _P	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016	ICC-ES AC156	2.0 2.5	1.0 0.0	1.5	3.2 2.5	2.4 1.0	1.34 1.68	0.54 0.68
Unit maintained structural integrity and remained functional per manufacturer requirement.								





UUT-1435-2		HP Z420 NM HOST						
MANUFACTURER:		Hewlett Packard						
IDENTIFICATION:		Model No. 5370540-20						
DESCRIPTION:		System component of Discovery NM/CT 670 Nuclear Medicine Imaging System. Component common to multiple GE medical imaging systems.						
MOUNTING:		Rigid Base (Floor) Mounted Computer strapped into GE-provided Computer Seismic Base anchored to interface plate w/ (4) – ¼" DIA Hex head bolts & washers. PC secured to mounting bracket with (2) – 1" wide straps, Mounting bracket & straps provided by GE (P/N: 5813338)						
PROPERTIES:								
DIMENSIONS (in.)			LOWEST RESONANT FREQUENCY (Hz.)					
Width	Depth	Height	Weight (lb.)					
7	20	17.75	37					
			Side -Axis	Front-Axis	Vertical-Axis			
			18.8	32.9	37.0			
SHAKE TABLE TEST PARAMETERS								
CODE	TEST CRITERIA	S _{DS}	z/h	I _P	A _{FLX-H}	A _{RIG-H}	A _{FLX-V}	A _{RIG-V}
CBC 2016	ICC-ES AC156	2.0 2.5	1.0 0.0	1.5	3.2 2.5	2.4 1.0	1.34 1.68	0.54 0.68
Unit maintained structural integrity and remained functional per manufacturer requirement								



ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT1812-1 Radiographic Table w/ FlashPad HD 14 x 17						
MANUFACTURER: GE Hualun Medical Systems, Co. Ltd						
IDENTIFICATION: Model: GCTBL-C3 Serial: SEIS TBL-01						
DESCRIPTION: Optima XR646 HD / Discovery XR656 HD system component. Table is also referred to as "Global G3 Table" Simulated Patient Load: 320 kg. = 706 lb. Detector: GE FlashPad HD 3543 wireless removable detector Model No.: 5771417-ENG; Serial No.: 31736417E1502 X-Ray Grid (Anti-Scatter Grid) 120cm by Mitaya Mfg. Co.Ltd. GE P/N: 46-286129P74 Detector tray included a retention bracket, which GE states is part of the standard mfd product, to secure 14x17 detector to the tray during test. Bracket must be removed to exchange detectors and re-installed when 14x17 detector is used.						
MOUNTING: Rigid Base (Floor) Mounted using (4) – 1/2" dia. SAE J429 Grade 8 bolts to tapped holes in aluminum plate.						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Front (X) - Axis	Side (Y) - Axis	Vert (Z) - Axis
95	36	20 – 34	838	2.12	37.87	8.01
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2016 CBC
S _{DS} (G)	z/h	I _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0 2.5	1 0	1.5	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

UUT1812-2 Radiographic Patient Table w/ FlashPad HD 17 x 17 (w/ detector tray release latch screws)							
UUT1812-2A Radiographic Patient Table w/ FlashPad HD 17 x 17 (w/o detector tray release latch screws)							
MANUFACTURER:							
IDENTIFICATION:							
DESCRIPTION:							
MOUNTING:							
GE Hualun Medical Systems, Co. Ltd							
Model: GCTBL-C5 Serial: Seis TBL-02							
Optima XR646 HD / Discovery XR656 HD system component. Also referred to as "G3 Standard Table" and "Chogri Table" Simulated patient load: 250 kg. = 552 lb. Detector: GE FlashPad HD 4343 wireless, removable detector Model no.: 5781717-2-ENG; Serial no.: 31823717E2437 X-Ray Grid (Anti-Scatter Grid) 110cm by Mitaya Mfg. Co.Ltd. GE P/N: 46-286129P73							
Rigid Base (Floor) Mounted using (4) – 3/8" dia. SAE J429 Grade 8 bolts to tapped holes in aluminum plate.							
DIMENSIONS (in.)			Weight (lb.)	LOWEST RESONANT FREQUENCY (Hz.)			
Width	Depth	Height		Front (X) - Axis	Side (Y) - Axis	Vert (Z) - Axis	
91.7	33	20.7 – 32.5		726.5	5.06	3.39	7.81
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS							CODE: 2016 CBC
S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)	
2.0	1	1.5	3.2	2.4	1.68	0.68	
2.5	0						
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.							

ATTACHMENT 2: TEST SPECIMEN SUMMARY


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UUT1812-3 HP Z440 Workstation						
MANUFACTURER:			Hewlett Packard (HP)			
IDENTIFICATION:			Model: 8770000-24 Serial: 4CV813W6R4			
DESCRIPTION:			Optima XR646 HD / Discovery XR656 HD system component. HP Z440 Workstation; Product No.: 2EL23UC#AB2 NVIDIA K2200 Dual Port Canbus Card Single Port Adapter NIC: 350-T2 & 350-T4 1GbE RJ45			
MOUNTING:			Rigid Base (Floor) Mounted using (4) – 3/8" dia. SAE J429 Grade 8 bolts through steel mounting bracket to tapped holes in aluminum plate. PC secured to mounting bracket with (2) – 1" wide straps. Mounting bracket & straps provided by GE (P/N: 5813338)			
DIMENSIONS (in.)			Weight (lb.)	LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height		Front (X) - Axis	Side (Y) - Axis	Vert (Z) - Axis
6.6	17.5	17		34.0 w/ bracket	11.2	30.4
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2016 CBC
S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0 2.5	1 0	1.5	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

UUT1812-4 System Cabinet				DATE: 11/16/2020		
MANUFACTURER: GE Hualun Medical Systems, Co. Ltd						
IDENTIFICATION: Model: GCC-C3 Serial: Seis Cab-01						
DESCRIPTION: Optima XR646 HD / Discovery XR656 HD system component.						
MOUNTING: <u>Wall/Floor mounted using:</u> 5mm steel bracket (P/N 5692807) at top w/ <ul style="list-style-type: none">• (6) – ¼" self-tapping, self-threading, hex washer head sheet metal (Tek) screws through 5/8" drywall to 4x16ga steel track backing plate in wall.• (2) – M12 Bolts (P/N 3212284) to cabinet.(2) – 5mm steel bracket (P/N 5692809), one each side. Each bracket secured w/<ul style="list-style-type: none">• (3) – ¼" self-tapping, self-threading, hex washer head sheet metal (Tek) screws through 5/8" drywall to 4x16ga steel track backing plate in wall.• (2) – M5-Class 8.8 screws (P/N 5694430) to cabinet. Unit bears on, but is not anchored to, the floor structure.						
DIMENSIONS (in.)			Weight (lb.)	LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height		Front (X) - Axis	Side (Y) - Axis	Vert (Z) - Axis
33.3	26	58	705 – reported 679 – measured	12.93	9.4	17.58
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2016 CBC
S _{DS} (G)	z/h	I _P	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0 2.5	1 0	1.5	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

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UUT1812-5 AP Assembly w/ Mounting Bracket						
MANUFACTURER: Aruba Networks, Inc.						
IDENTIFICATION: Model: 5720157 (GE) Serial: CNBXHBB2KM						
DESCRIPTION: Optima XR646 HD / Discovery XR656 HD system component. Mounting Bracket GE Model No.: 5778430 Wireless Access Point Aruba Model No.: APIN0215						
MOUNTING: Rigid Base (Floor) Mounted using (4) – #8 self-tapping, self-threading, hex washer head sheet metal (Tek) screws through 5/8" drywall to 4x16ga steel track backing plate in wall.						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Front (X) - Axis	Side (Y) - Axis	Vert (Z) - Axis
7.125	7.125	3	1.4	---	---	---
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2016 CBC
S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0 2.5	1 0	1.5	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

UUT1812-6 Tether Interface Box (TIB) E: 11/16/2020						
MANUFACTURER:			GE Hualun Medical Systems, Co. Ltd			
IDENTIFICATION:			Model: 5765910 Serial: None			
DESCRIPTION:			Optima XR646 HD / Discovery XR656 HD system component. Tether stored in box during test.			
MOUNTING:			Rigid Base (Floor) Mounted using (2) – ¼” self-tapping, self-threading, hex washer head sheet metal (Tek) screws through 5/8” drywall to 4x16ga steel track backing plate in wall			
						
DIMENSIONS (in.)			Weight (lb.)	LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height		Front (X) - Axis	Side (Y) - Axis	Vert (Z) - Axis
10	5.7	12.2	13.4	---	---	---
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						
S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0 2.5	1 0	1.5	3.2	2.4	1.68	0.68
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						

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UUT1812-7 Overhead Tube Suspension (OTS) w/ 4m Bridge																		
MANUFACTURER:			GE Hualun Medical Systems, Co. Ltd															
IDENTIFICATION:			Model: See Below															
DESCRIPTION:			Discovery XR656 HD system component.															
																		
			<table><tr><th>Component</th><th>Model No.</th></tr><tr><td>4 Meter Bridge</td><td>5189123</td></tr><tr><td>Tube Support</td><td>5135678-7</td></tr><tr><td>X-Ray Tube</td><td>46-155400G284</td></tr><tr><td>Collimator (AL01C II eL)</td><td>5739663</td></tr><tr><td>Longitudinal Rails (134")</td><td>46-316480G1</td></tr></table>				Component	Model No.	4 Meter Bridge	5189123	Tube Support	5135678-7	X-Ray Tube	46-155400G284	Collimator (AL01C II eL)	5739663	Longitudinal Rails (134")	46-316480G1
Component	Model No.																	
4 Meter Bridge	5189123																	
Tube Support	5135678-7																	
X-Ray Tube	46-155400G284																	
Collimator (AL01C II eL)	5739663																	
Longitudinal Rails (134")	46-316480G1																	
MOUNTING:			Ceiling mounted using ½" dia bolts & Unistrut P1010 channel nuts w/ springs @ ea. end & 26" o.c. Typical ea. Longitudinal Rail. (6 locations each rail / 12 locations total)															
DIMENSIONS (in.)			LOWEST RESONANT FREQUENCY (Hz.)															
Width	Depth	Height	Weight (lb.)	Front (X) - Axis	Side (Y) - Axis	Vert (Z) - Axis												
172.6	26.3	36.3 / 107.1 [4]		---	---	---												
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS						CODE: 2016 CBC												
S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)												
2.0	1	1.5	3.2	2.4	1.68	0.68												
2.5	0																	
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.																		

UUT1812-8 Motorized Extended Wall Stand w/ FlashPad HD 17 x 17 (w/ detector tray release latch screws)							
UUT1812-8A Motorized Extended Wall Stand w/ FlashPad HD 17 x 17 (w/o detector tray release latch screws)							
MANUFACTURER:							
IDENTIFICATION:							
<p>DESCRIPTION:</p> <p>Optima XR646 HD / Discovery XR656 HD system component.</p> <p>Detector: FlashPad HD 4343 wireless, removable detector Model No.: 5781717-2-ENG; Serial No.: 31825717E2451 X-Ray Grid (Anti-Scatter Grid) 130cm by Mitaya Mfg. Co.Ltd. GE P/N: 46-286129P75</p> <p>Grid holder tray included a supplemental latching mechanism, which is not part of the standard mfd product, to secure grid within tray during test.</p>							
MOUNTING:							
Rigid Base (Floor) Mounted using (4) – 5/8" dia. SAE J429 Grade 8 bolts to tapped holes in aluminum plate.							
DIMENSIONS (in.)			Weight (lb.)	LOWEST RESONANT FREQUENCY (Hz.)			
Width	Depth	Height		Front (X) - Axis	Side (Y) - Axis	Vert (Z) - Axis	
27	65.7	103.46		642	3.75	8.05	6.97
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS							CODE: 2016 CBC
S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)	
2.0	1	1.5	3.2	2.4	1.68	0.68	
2.5	0						
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.							

ATTACHMENT 2: TEST SPECIMEN SUMMARY

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UUT1812-9 Manual Extended Wall Stand w/ FlashPad HD 14 x 17						
MANUFACTURER: GE Hualun Medical Systems, Co. Ltd						
IDENTIFICATION: Model: GCMWS-C5 Serial: Seis Ma WS-01						
DESCRIPTION: Optima XR646 HD system component. Detector: GE FlashPad HD 3543 wireless, removable detector Model No.: 5771417; Serial No.: 31736417E1502 X-Ray Grid (Anti-Scatter Grid) 120cm by Mitaya Mfg. Co.Ltd. GE P/N: 46-286129P74 Detector tray included a retention bracket, which GE states is part of the standard mfd product, to secure 14x17 detector to the tray during test. Bracket must be removed to exchange detectors and re-installed when 14x17 detector is used. Grid holder tray included a supplemental latching mechanism, which is not part of the standard mfd product, to secure grid within tray during test.						
MOUNTING: Rigid Base (Floor) Mounted using (4) – 5/8" dia. SAE J429 Grade 8 bolts to tapped holes in aluminum plate.						
DIMENSIONS (in.)				LOWEST RESONANT FREQUENCY (Hz.)		
Width	Depth	Height	Weight (lb.)	Front (X) - Axis	Side (Y) - Axis	Vert (Z) - Axis
27	40.4	103.46	537	9.72	9.49	>50
ICC-ES AC156 SHAKE TABLE TEST PARAMETERS CODE: 2016 CBC						
S _{DS} (G)	z/h	I _p	A _{FLX-H} (G)	A _{RIG-H} (G)	A _{FLX-V} (G)	A _{RIG-V} (G)
2.0	1	1.5	3.2	2.4	1.68	0.68
2.5	0					
Unit satisfied AC156 requirements for structural integrity and manufacturer requirements for functionality after AC156 test.						