



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

APPLICATION #: OSP-0891

HCAI Special Seismic Certification Preapproval (OSP)

Type: New Renewal

Manufacturer Information

Manufacturer: Spectrum Dynamics

Manufacturer's Technical Representative: Sajed Haj-Yahya

Mailing Address: 22 Bareket Street, North Industrial Park, Caesarea 3079837, Israel

Telephone: +972 73-737-4530

Email: sajedh@spectrum-dynamics.com

Product Information

Product Name: Veriton CT System

Product Model Number(s): See attachments

Product Category: CT Systems

Product Sub-Category: CT Systems

General Description: Multiple component system used for producing Computed Tomography (CT) medical images for diagnostic results.

Mounting Description: Several - See Certified Product Tables and UUT Sheet

Tested Seismic Enhancements: None

Applicant Information

Applicant Company Name: WE Gundy & Associates, Inc

Contact Person: Travis Soppe

Mailing Address: PO Box 9121, Boise, ID 83707

Telephone: (208) 342-5989

Email: tsoppe@wegai.com

Title: President



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

Company Name: W.E. GUNDY & ASSOCIATES 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
- ICC-ES AC156
- IEEE 344
- IEEE 693
- NEBS 3
- Other (Please Specify): _____

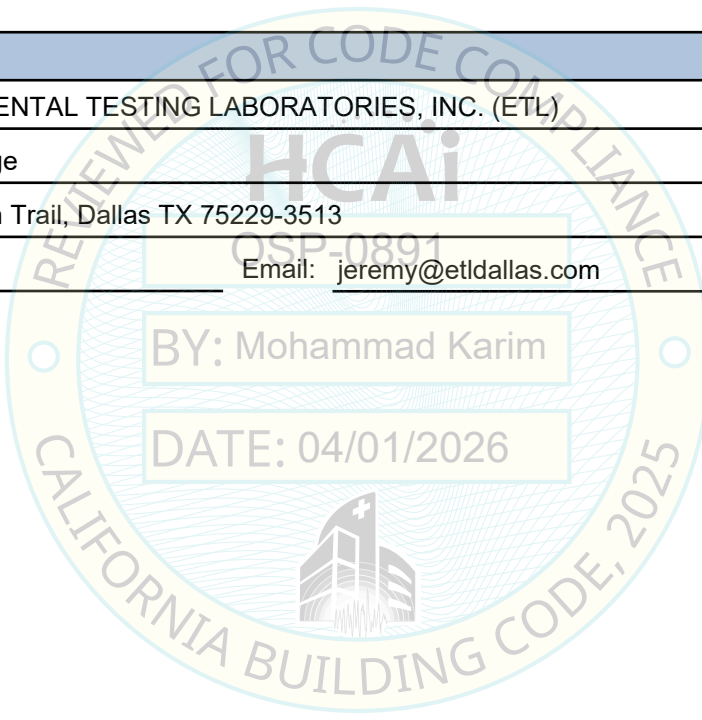
Testing Laboratory

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





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Seismic Parameters

Certified Response Spectral Acceleration Factors:(F_p/W_p)

Horizontal (A Flx-H), $g = \underline{2.50}$ (A Rig-H), $g = \underline{1.68}$
 Vertical (A Flx-V), $g = \underline{1.68}$ (A Rig-V), $g = \underline{0.68}$

SDS (Design spectral response acceleration at short period, g) = 2.5 at $z/h=0$; 1.56 at $z/h=1$

H_f (Force amplification height factor) = 1 at $z/h=0$; 3.5 at $z/h=1$

R_u (Structure ductility reduction factor) = 1 at $z/h=0$; 1.3 at $z/h=1$

I_p (Importance factor) = 1.5

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

HCAI Approval (For Office Use Only) - Approval Expires on 04/01/2032

Date: 4/1/2026

Name: Mohammad Karim Title: Supervisor, Health Facilities

Condition of Approval (if applicable): OSP-0891

BY: Mohammad Karim

DATE: 04/01/2026

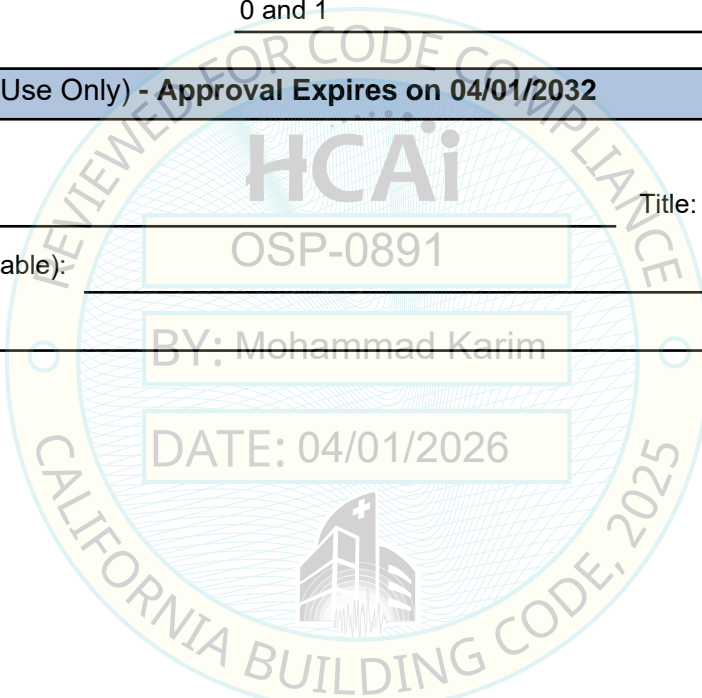



TABLE 1	SPECTRUM DYNAMICS VERITON CT SPECIAL SEISMIC CERTIFICATION CERTIFIED SYSTEM AND COMPONENTS	 WEGAI <small>W.E. GUNDY & ASSOCIATES, INC. STRUCTURAL & EARTHQUAKE ENGINEERING</small>
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System: Veriton CT System	Manufacturer: Spectrum Dynamics
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System Component ¹	Part Number	Dimensions (in)			Weight (lb)	Mounting	UUT
		Width	Depth	Height			

Gantries							
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CT Gantry	2700012-01	97.8	53.2	85.3	4,040	floor	UUT-1
NM Gantry	9020590-01	97.8	26.5	85.3	3,365	floor	UUT-2

Patient Support							
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Patient Table	9020334-02	33.1	145.7-224.4	22.8-46.0	1,754 ²	floor	UUT-3
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Power Distribution Unit (PDU) - Rigid Floor and Wall Mounted							
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NM & CT PDU	9020554-01	23.6	35.4	60.9	961	floor / wall	UUT-4
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Power Distribution Unit (PDU) - Wire-Rope Isolators at both Floor and Wall Mounts							
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NM & CT PDU	9020589-01	23.6	35.4	60.9	861	floor / wall	UUT-5
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¹ All components are manufactured by Spectrum Dynamics unless noted. Part numbers listed uniquely identify type of component, manufacturer, and material of construction for each sub-component within the tested units.

² Patient table weight does not include 300lb (136kg) simulated patient weight.

SEISMIC CERTIFICATION LIMITS: CBC 2025 - I_p = 1.5								
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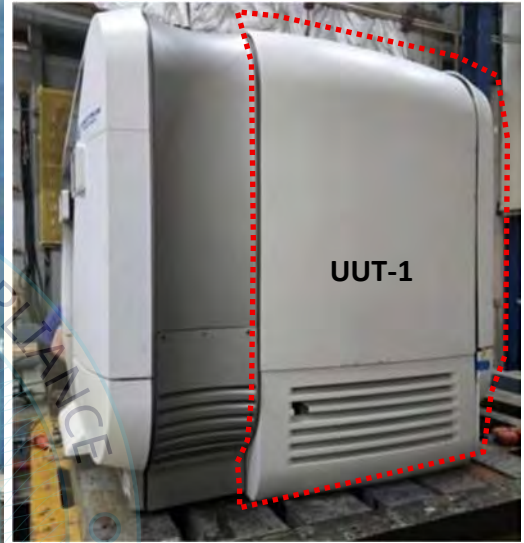
System Component	S _{DS} (g)	z / h	H _f	R _μ	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
CT/NM Gantries	1.56	1.0	3.5	1.3	2.50	1.68	1.05	0.42
Patient Support		0.0	1.0	1.0	2.50	1.00	1.68	0.68
Electrical Cabinets	2.50	0.0	1.0	1.0	2.50	1.00	1.68	0.68

UUT-1

**UNIT UNDER TEST (UUT)
SUMMARY SHEET**



Mounting Details: Floor mounted with (8) 1/2" diameter grade 5 bolts.



Manufacturer: Spectrum Dynamics Medical LTD **Test Location:** ETL (Dallas, TX)

Component: Veriton CT Gantry **Test Date:** February 3-7, 2025

Model Number: 2700012-01 **Report Number:** 17565 Rev.1

UUT Function: Continuous rotating x-ray to generate diagnostic imaging

UUT Description: CT Gantry for the Veriton SPECT/CT 16 system.

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
4,040	97.8	53.2	85.3	6.0	15.5	4.6

SEISMIC TEST PARAMETERS – CBC 2025 / ICC-ES AC 156-24

S _{DS} (g)	z / h	H _f	R _μ	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
1.56	1.0	3.5	1.3	1.5	2.50	1.68	-	-
2.50	0	1.0	1.0		-	-	1.68	0.68

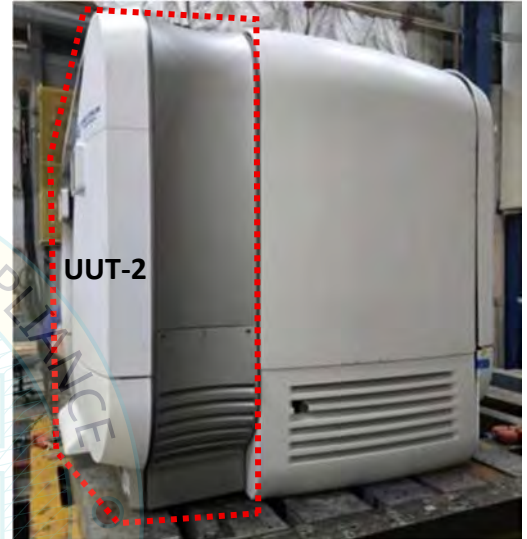
Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

UUT-2

**UNIT UNDER TEST (UUT)
SUMMARY SHEET**



Mounting Details: Floor mounted with (6) 1/2" diameter grade 5 bolts and (8) 3/8" diameter grade 5 bolts.



Manufacturer: Spectrum Dynamics Medical LTD **Test Location:** ETL (Dallas, TX)

Component: Veriton NM Gantry **Test Date:** February 3-7, 2025

Model Number: 9020590-01 **Report Number:** 17565 Rev.1

UUT Function: Continuous rotating x-ray to generate diagnostic imaging

UUT Description: NM Gantry for the Veriton SPECT/CT 16 system.

UUT PROPERTIES

Weight (lb)	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
3,365	97.8	26.5	85.3	4.4	27.6	21.4

SEISMIC TEST PARAMETERS – CBC 2025 / ICC-ES AC 156-24

S _{DS} (g)	z / h	H _f	R _μ	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
1.56	1.0	3.5	1.3	1.5	2.50	1.68	-	-
2.50	0	1.0	1.0		-	-	1.68	0.68

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-3

UNIT UNDER TEST (UUT)
SUMMARY SHEET



Mounting Details: Floor mounted with (20) 1/2" diameter grade 5 bolts.



BY: Mohammad Karim

DATE: 04/01/2026

Manufacturer: Spectrum Dynamics Medical LTD | **Test Location:** ETL (Dallas, TX)

Component: Patient Table | **Test Date:** February 3-7, 2025

Model Number: 9020334-02 | **Report Number:** 17565 Rev.1

UUT Function: Motorized patient support

UUT Description: Patient Table for the Veriton SPECT/CT 16 system.

UUT PROPERTIES

*Weight (lb) with Patient	Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
2,054	33.1	161.4	46.0	> 33	6.2	14.3

*The patient table moves vertically and horizontally to accommodate different positions and procedures. The system was tested in the normal operating position, with a tabletop vertical height of 35.4 inches (900mm), horizontal table movement of 39.4 inches (1,000mm) and tabletop translation of 74.8 inches (1,900mm), and with a total simulated patient weight of 300lbs.

SEISMIC TEST PARAMETERS – CBC 2025 / ICC-ES AC 156-24

S _{Ds} (g)	z / h	H _f	R _μ	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
1.56	1.0	3.5	1.3	1.5	2.50	1.68	-	-
2.50	0	1.0	1.0		-	-	1.68	0.68

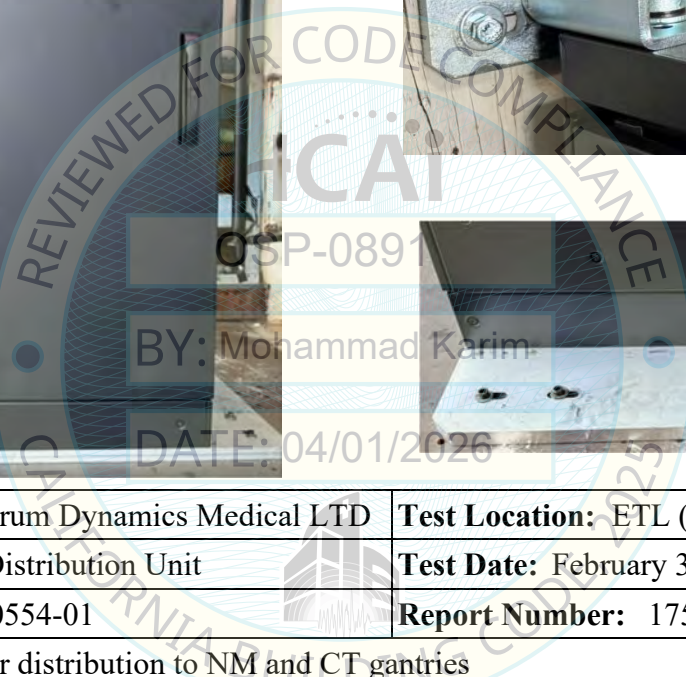
Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

UUT-4

**UNIT UNDER TEST (UUT)
SUMMARY SHEET**



Mounting Details: Combined rigid floor / wall mounted with (12) 3/8" diameter grade 5 bolts to the floor and (4) 3/8" diameter grade 5 bolts to the wall.



Manufacturer: Spectrum Dynamics Medical LTD	Test Location: ETL (Dallas, TX)
Component: Power Distribution Unit	Test Date: February 3-7, 2025
Model Number: 9020554-01	Report Number: 17565 Rev.1
UUT Function: Power distribution to NM and CT gantries	
UUT Description: PDU for NM and CT Gantries of the Veriton SPECT/CT 16 system.	

UUT PROPERTIES

*Weight (lb)	*Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
961	23.6	35.4	60.9	N/A	N/A	N/A

*Note the dimensions listed are that of the cabinet and do not include the floor / wall mounting plates that extend beyond the cabinet dimensions. The listed weight includes the weight of the floor / wall mounting plates.

SEISMIC TEST PARAMETERS – CBC 2025 / ICC-ES AC 156-24

S _{DS} (g)	z / h	H _f	R _μ	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
1.56	1.0	3.5	1.3	1.5	2.50	1.68	-	-
2.50	0	1.0	1.0		-	-	1.68	0.68

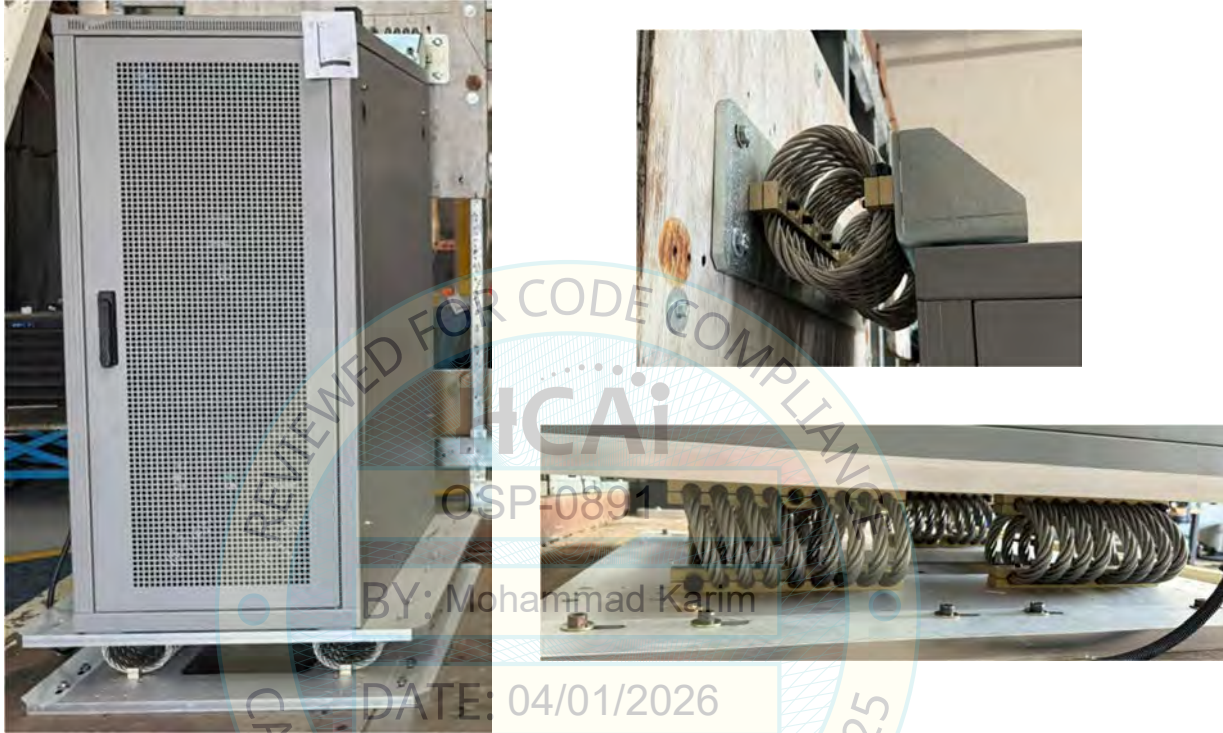
Note: The unit was full of contents during testing and remained functional before and after the ICC-ES AC156 test. The unit maintained structural integrity during and after the ICC-ES AC156 test.

UUT-5

**UNIT UNDER TEST (UUT)
SUMMARY SHEET**



Mounting Details: Combined flexible floor / wall mounted with (12) 3/8" diameter grade 5 bolts to the floor and (4) 3/8" diameter grade 5 bolts to the wall. The floor / wall anchor plates connect to the UUT using 2 - CB1500-40-IM2 wire-rope isolators at the wall connection and 4 – CB1500-40-IM2 wire-rope isolators at the floor connection.



Manufacturer: Spectrum Dynamics Medical LTD	Test Location: ETL (Dallas, TX)
Component: Power Distribution Unit	Test Date: February 3-7, 2025
Model Number: 9020589-01	Report Number: 17565 Rev.0
UUT Function: Power distribution to NM and CT gantries	
UUT Description: PDU for NM and CT Gantries of the Veriton SPECT/CT 16 system.	

UUT PROPERTIES

*Weight (lb)	*Dimensions (inches)			Natural Frequency (Hz)		
	Width	Depth	Height	FB	SS	V
861	23.6	35.4	60.9	N/A	N/A	N/A

*Note the dimensions listed are that of the cabinet and do not include the floor / wall mounting plates that extend beyond the cabinet dimensions. The listed weight includes the weight of the floor / wall mounting plates and wire rope dampers.

SEISMIC TEST PARAMETERS – CBC 2025 / ICC-ES AC 156-24

S _{DS} (g)	z / h	H _f	R _μ	I _p	A _{FLX-H} (g)	A _{RIG-H} (g)	A _{FLX-V} (g)	A _{RIG-V} (g)
1.56	1.0	3.5	1.3	1.5	2.50	1.68	-	-
2.50	0	1.0	1.0		-	-	1.68	0.68

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.