

**SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017**

**Oak Ridge National Laboratory - Technical Testing & Analysis Center (TTAC)**

1 Bethel Valley Road  
Building 5800, MS6054  
Oak Ridge, TN 37831-6054  
Mrs. Christina D. Forrester  
Phone: 865-241-5519 Fax: 865-576-8993  
Email: forrestercd@ornl.gov

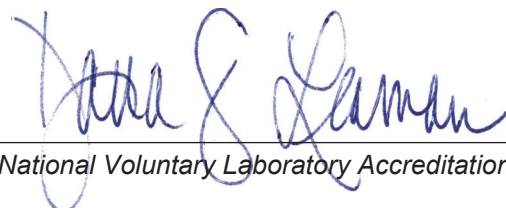
<https://www.ornl.gov/content/technical-testing-and-analysis-center-ttac>

**RADIATION DETECTION INSTRUMENTS**

**NVLAP LAB CODE 200861-0**

**Radiological**

<u>Code</u>	<u>Designation</u>	<u>Description</u>
2/F011	IEEE N42.43	IEEE Standard for Mobile Radiation Monitors Used for Homeland Security <i>Excludes all Electrical and Electromagnetic Performance testing</i>
28/A011	ANSI/IEEE N42.32	American National Standard Performance Criteria for Alarming Personal Radiation Detectors for Homeland Security <i>Electromagnetic Performance Testing - Magnetic Field test only</i>
28/B011	ANSI/IEEE N42.33	American National Standard Portable Exposure Rate Meters for Homeland Security <i>Electromagnetic Performance - Magnetic Field tests and Conducted Immunity tests only</i>
28/C011	ANSI/IEEE N42.34	American National Standard Performance Criteria for Handheld Instruments for the Detection and Identification of Radionuclides <i>Electrical and Electromagnetic Performance - Magnetic Field tests only</i>
28/D011	ANSI/IEEE N42.35	American National Standard for Evaluation and Performance of Radiation Detection Portal Monitors for Use in Homeland Security <i>Electrical and Electromagnetic Performance - Conducted Disturbances Induced by Bursts and Radio Frequencies only</i>



For the National Voluntary Laboratory Accreditation Program

## RADIATION DETECTION INSTRUMENTS

NVLAP LAB CODE 200861-0

28/E011	ANSI/IEEE N42.38	American National Standard for Performance Criteria for Spectroscopy-Based Portal Monitors Used for Homeland Security <i>Electrical and Electromagnetic Performance - Conducted Disturbances Induced by Bursts and Radio Frequencies only</i>
28/G011	ANSI/IEEE N42.48	American National Standard Performance Requirements for Spectroscopic Personal Radiation Detectors (SPRDs) for Homeland Security <i>Electromagnetic Performance - Magnetic Field testing only</i>
28/H011	ANSI/IEEE N42.53	American National Standard Performance Criteria for Backpack-Based Radiation-Detection Systems Used for Homeland Security <i>Electrical and Electromagnetic Performance - Magnetic Field testing only</i>
28/J011	IEC 62401	Radiation Protection Instrumentation - Alarming Personal Radiation Devices (PRDs) For The Detection Of Illicit Trafficking Of Radioactive Material <i>Electric and Electromagnetic Testing - Magnetic Fields testing only</i>
28/K011	IEC 62706	Radiation Protection Instrumentation. Recommended Climatic, Electromagnetic And Mechanical Performance Requirements And Methods Of Tests <i>Electromagnetic Testing - Conducted Immunity (from RF) testing and Magnetic Field testing only</i>
28/L011	IEC 62327	Radiation Protection Instrumentation. Hand-Held Instruments For The Detection And Identification Of Radionuclides And For The Estimation Of Ambient Dose Equivalent Rate From Photon Radiation <i>Electromagnetic Testing - Conducted Disturbances testing and Magnetic Field testing only</i>
28/M011	IEC 63121	Radiation Protection Instrumentation. Vehicle-Mounted Mobile Systems For The Detection Of Illicit Trafficking Of Radioactive Materials <i>Excludes all Electrical and Electromagnetic Performance testing</i>
28/N011	IEC 62618	Radiation protection instrumentation - Spectroscopy-based alarming Personal Radiation Detectors (SPRD) for the detection of illicit trafficking of radioactive material <i>Electromagnetic Testing - Magnetic Field testing only</i>
28/P011	IEC 62694	Radiation protection instrumentation - Backpack-type radiation detector (BRD) for the detection of illicit trafficking of radioactive material <i>Electromagnetic Testing - Conducted Immunity testing and Magnetic Field testing only</i>