**DISCOVERAD LABORATORY TESTSHEET**

|  |
| --- |
| REFERENCES |
| PRODUCT NAME | ***DiscoveRAD*** |
| PRODUCT CODE | ***WSRAD501AAAA*** |
| SOFTWARE VERSION | ***12345*** |
| PRODUCT IDENTIFICATION | **CAEN PID S/N** |
| 21470 |
| **INDEX OF PERFORMED TESTS**  |
| COMPONENTS CHECKLIST | ***PASSED*** |
| FUNCTIONAL TESTS | ***PASSED*** |
| IDENTIFICATION TEST | ***PASSED*** |
| AMBIENT DOSE EQUIVALENT | ***PASSED*** |
| DOSE RATE TEST | ***PASSED*** |
| NEUTRON STATIC TEST  | ***PASSED*** |
| **DATE** | **SITE** |
| 7/24/2025 | CAEN SyS Laboratory |
| **SIGNATURE** |
| **Test department operator***Simone Ciurli***Immagine che contiene testo  Descrizione generata automaticamente** |
| COMPONENTS CHECKLIST |
| **ITEM** | **OUTCOME** | **ITEM** | **OUTCOME** |
| WRIST LANYARD | ** | AC/DC PLUG | ** |
| BELT HOLSTER | ** | MANUAL | ** |
| 2x USB CABLES | ** |  |  |
| **Battery 1 PID** | **OUTCOME** | **Battery 2 PID** | **OUTCOME** |
| 12345 | ** | 67890 | ** |
| FUNCTIONAL TESTS |
| SPECTRUM STABILIZATION | ** |
| FINDER MODE | ** |
| * VISUAL ALARM
 | ** |
| * AUDIO ALARM
 | ** |
| * VIBRATION ALARM
 | ** |
| CALIBRATION CHECK | ** |
|  |
| EASY FINDER MODE | ** |
|  |
| WI-FI CONNECTION | ** |
| WEB INTERFACE | ** |
| IDENTIFICATION TEST |
| **SOURCE** | **ACTIVITY** | **REF. DATE** | **DISTANCE (cm)** |
| *Cs-137* | *327.90 kBq* | *24/7/2025* | 30 |
| *Am-241* | 409.90 kBq | *24/7/2025* | 35 |
| *Co-60* | 7.44 kBq | *24/7/2025* | 5 |
| NOTE | Am-241, Cs-137 and Co-60 sources are positioned to trigger a gamma alarm |
|    |
| AMBIENT DOSE EQUIVALENT H\*(10) TEST |
| NOTE | After the warm-up of the system, with no sources around, check the average dose rate  |
| BACKGROUND DOSE RATE (µSv/h\*) | 0.042 |
| **SOURCE** | **ACTIVITY** | **REF. DATE** |
| *Cs-137* | *9 MBq* | *18/07/2022* |
| **DISTANCE (cm)** | **MEASURED AMBIENT DOSE - BKG (µSv/h\*)** | **ACCEPTABLE AMBIENT DOSE RANGE (µSv/h\*) (MIN – MAX)** | **OUTCOME** |
| 30 | **0.724** | 0.194 – 0.361 | *O* |
| 50 | **0.248** | 0.070 – 0.130 | ** |
| 80 | **0.074** | 0.027 – 0.051 | ** |
| NEUTRON STATIC TEST |
| NOTE | Cf-252 source is positioned to trigger a neutron alarm |
|   |