



March 14, 2025

Test Letter #: 19027-02 REV 0 (reference WL test report #18927-01)

Applicant: Blackbox Biometrics, Inc.

Exempt RF Device: Gen 7+ Blast Gauge

FCC ID: 2AHN8BG7P

Category: General Population, Portable

**EUT Summary:** The Gen 7+ Blast Gauge is categorically excluded from SAR testing.

**Source-Based, Time-Averaged Exclusion Threshold for FCC:**

Reference: KDB 447498 D04 Interim General RF Exposure Guidance v01. (clause 2.1.2) -

Per FCC Rule Part §1.1307(b)(3)(i)(A), a single RF source is *exempt RF device* (from the requirement to show data demonstrating compliance to RF exposure limits) if the available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption applies to all operating configurations and exposure conditions, for the frequency range 100 kHz to 100 GHz, regardless of fixed, mobile, or portable device exposure conditions. This is a standalone exemption, and it cannot be applied in conjunction with any other test exemption.

**EUT Transmitter Details:**

The EUT has a peak output power, conducted at the antenna port, of -2.28 dBm.

The manufacturer has declared a tune-up tolerance of 1.0 dB.

as such,

$$-2.28 \text{ dBm} + 1.0 \text{ dB} = -1.28 \text{ dBm (peak, conducted)}$$

therefore,

$$-1.28 \text{ dBm} = 0.74 \text{ mW}$$

$$0.74 \text{ mW} = \text{peak, source-based maximum conducted output power}$$

**Exclusion Results for FCC:**

$$0.74 \text{ mW} < 1 \text{ mW}$$

The EUT is excluded from SAR testing.