



Excellence in Compliance Testing

Certification Exhibit

FCC ID: 2ACKW-NXTWVH01

FCC Rule Part: 47 CFR Part 2.1093

ACS Project Number: 16-0440

Manufacturer: NXT-ID, Inc.

Model: NXT-WAZ01-1110

RF Exposure

General Information:

Applicant: NXT-ID, Inc.
Environment: General Population/Uncontrolled Exposure
Exposure Conditions: Portable

Technical Information:

Minimum Test Separation Distance: 5 mm
Highest Operating Frequency: 2480 MHz
Antenna Type: Chip Antenna
Antenna Gain: 1dBi
Maximum Transmitter Conducted Power: 2.86 dBm, 1.93 mW
Maximum Transmitter EIRP: 3.86 dBm, 2.43 mW

Justification for SAR Test Exclusion:**Standalone SAR Test Exclusion:**

Per KDB 447498 D01 General RF Exposure Guidance v6, the standalone 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$$\left[\frac{(\text{max. power of channel, including tune-up tolerance, mW})}{(\text{min. test separation distance, mm})} \right] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR}$$

$$= (1.93 / 5) \cdot (\sqrt{2.402}) = 0.6$$

0.6 < 3.0

Standalone SAR test exclusion is applied.