



Certification Exhibit

FCC ID: 2ADX4-MDEV7

FCC Rule Part: 47 CFR Part 2.1093

TÜV SÜD Project Number: 72162057

Manufacturer: Redpoint Positioning Corporation
Model: MDE-V7

RF Exposure

General Information:

Applicant:

Environment: General Population/Uncontrolled Exposure

Exposure Conditions: Portable

Technical Information:

Minimum Test Separation Distance: 5 mm

Highest Operating Frequency: 3994.6 MHz

Antenna Type: UWB Flex Antenna

Antenna Gain: 7.1dBi (Channel 1-4), 4.8dBi (Channel 5)

Maximum Transmitter EIRP: -11.47 dBm, 0.071 mW

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

Per KDB 447498 D01 General RF Exposure Guidance v06, 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:

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

$$= (-11.47 / 5) \cdot (\sqrt{3.9946}) = 0.028$$

0.028 < 3.0

Standalone SAR test exclusion is applied.

Per November 2019 TCB Workshop Notes, RF Exposure testing is not required based on a 1mW exclusion for frequencies > 6 GHz.