



**RF SAFETY
LAB**

A NEXT GENERATION
TEST LABORATORY™

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47CFR §2.1093 – FCC SAR REPORT

FCC ID:	2A6QA-MACH2FSS
Device Type:	Portable Device
Report Issue Date:	January 20, 2025

Foresight Sports 9955 Black Mountain Rd San Diego, CA 92126
Certification

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Steve Liu
President



DUT SAR Test Exemption Assessment

Per FCC KDB 447498 D01 v06 Section 4.3.1, For 100 MHz to 6 GHz “10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when... *test separation distances* ≤ 50 mm, the **10-g SAR test exclusion “numeric thresholds”**:

$$\frac{MaxPower}{Distance} \cdot \sqrt{f_{GHz}} \leq 7.5 \quad (\text{for 10-g extremity SAR})$$

Where:

f_{GHz}	= RF Channel frequency in GHz
$MaxPower$ calculation	= Power of channel, including tune-up tolerance, rounded to the nearest mW before calculation
$Distance$	= Min. Test Separation Distance in mm, rounded to the nearest mm before calculation

Per FCC KDB 447498 D01 v06 Section 4.3.1, “Power and distance are rounded to the nearest mW and mm before calculation.” The result is rounded to one decimal place for comparison.

For Bluetooth LE, 1.5 dBm = 1 mW

For distances ≤ 5mm, per FCC policy the value of 5 shall be used for the distance component of the equation.

$$\begin{aligned} \frac{MaxPower}{Distance} \cdot \sqrt{f_{GHz}} &= \frac{1}{5} \cdot \sqrt{2.48} \\ &= 0.31 \leq 7.5 \quad (\text{SAR is Exempt per FCC KDB 447498 D01 v06}) \end{aligned}$$