

Report on the Testing of the

Trividia Health Inc.

True Metrix Air - MR2-PCB-820

In accordance with:
FCC Rule Part: 47 CFR Part 2.1091
RSS-102 Issue 5

RF Exposure Certification Exhibit - MPE

Prepared for: Trividia Health Inc.
2400 NW 55th Court
Ft. Lauderdale, FL 33309



America

Add value.
Inspire trust.

COMMERCIAL-IN-CONFIDENCE

Document Number: NC72168609.4 | Issue: 1

SIGNATURE

A handwritten signature of Sean Sellergren.

NAME	JOB TITLE	RESPONSIBLE FOR	ISSUE DATE
Sean Sellergren	Sr EMC Engineer	Authorized Signatory	06 July 2021

Signatures in this approval box have checked this document in line with the requirements of TÜV SÜD America, Inc. document control rules.

FCC Accreditation
Designation Number US1148 New Brighton, MN Test
Laboratory
Innovation, Science, and Economic Development Canada
Accreditation
Site Number 4512A New Brighton, MN Test Laboratory

EXECUTIVE SUMMARY

A sample of this product was tested and found to be compliant with the standards listed above.



DISCLAIMER AND COPYRIGHT

This non-binding report has been prepared by TÜV SÜD America with all reasonable skill and care. The document is confidential to the potential Client and TÜV SÜD America. No part of this document may be reproduced without the prior written approval of TÜV SÜD America.
© TÜV SÜD.

ACCREDITATION

Our A2LA Accreditation does not cover opinions and interpretations and any expressed are outside the scope of our A2LA Accreditation.



General Information:

Applicant: Trividia Health Inc.
 Device Category: Mobile
 Environment: General Population/Uncontrolled Exposure

Technical Information:

FCC ID: 2ADDB-AIR-02
 Antenna Type: PCB Trace/Integral
 Antenna Gain: 5.3 dBi

Maximum Transmitter Conducted Power: 0.39 dBm, 1.09 mW
 Maximum System EIRP: 2.35 dBm, 1.72 mW (measured)
 Exposure Conditions: ≥ 5 millimeters

MPE Calculation FCC

The Power Density (mW/cm²) is calculated as follows:

$$S = \frac{PG}{4\pi R^2}$$

Where:

S = power density (in appropriate units, e.g. mW/cm²)

P = power input to the antenna (in appropriate units, e.g., mW)

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

Table 1: MPE Calculation - FCC

Technology	Transmit Frequency (MHz)	Radio Power (dBm)	Radio Power (mW)	SAR Ratio	SAR Exclusion Ratio (for 1-g)	SAR Exclusion Ratio (for 10-g, extremities)	Distance (mm)	Result
2.4GHz BLE	2480	2.35	1.72	0.54	3.0	7.5	5	SAR/MPE Exempt



MPE Calculation ISED

The Power Density (mW/cm²) is calculated as follows:

$$S = \frac{PG}{4\pi R^2}$$

Where:

S = power density (in appropriate units, e.g. W/cm²)

P = power input to the antenna (in appropriate units, e.g., W)

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna (appropriate units, e.g., cm)

Table 1: MPE Routine Evaluation - ISED

Technology	Transmit Frequency (MHz)	Radio Power (dBm)	Radio Power (mW)	SAR Ratio	Interpolated SAR Limit (mW)	Margin (mW)	Distance (mm)	Result
2.4GHz BLE	2480	2.35	1.72	0.54	5.19	-3.47	5	SAR/MPE Exempt