

National Transportation Safety Board

Office of Research and Engineering

Washington, DC 20594



CEN22FA168

PERSONAL ELECTRONIC DEVICE

Specialist's Factual Report

August 25, 2022

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A. EVENT SUMMARY

Location: Marlin, Texas
Date: April 5, 2022
Time: 1231 central daylight time (CDT)
Airplane: Cessna TU206F, N858JA

B. PERSONAL ELECTRONIC DEVICE SPECIALIST

Specialist: W. Deven Chen
Electrical Engineer – Recorder Specialist
National Transportation Safety Board (NTSB)

C. DETAILS OF THE INVESTIGATION

A recorder group was not convened. The NTSB Vehicle Recorder Division received the following personal electronic device (PED):

Recorder Manufacturer/Model:	Apple iPad Mini 5
Part Number:	A2133
Recorder Serial Number:	DMPZ38W3LM93

1.0 Recorder Description

PEDs are a category of devices comprised primarily of portable computing devices and mobile phones. Portable computing devices are typically capable of internet access, email, messaging services, and can run user-installed applications to perform specific tasks. Depending on the model, mobile phones can perform many of the same tasks as portable computing devices, plus have voice call and text messaging capabilities. PED user and system data is typically stored on non-volatile memory¹ and can be accessed through manufacturer-provided interfaces.

1.1 Recorder Data Recovery

The device was undamaged upon arrival at the Vehicle Recorder Division, as shown in Figure 1. The device powered on normally and was locked with a 4-digit passcode. There was no correct passcode provided to the lab. Thus, there was no data recovered from this device.

¹ Non-volatile memory is semiconductor memory that does not require external power for data retention.



Figure 1. the Apple iPad Mini 5 as Received.