

National Transportation Safety Board

Office of Research and Engineering

Washington, DC 20594



ERA23FA138

PERSONAL ELECTRONIC DEVICES

Specialist's Factual Report

November 1, 2023

A. TABLE OF CONTENTS

A. ACCIDENT..... 3

B. PERSONAL ELECTRONIC DEVICES SPECIALIST 3

C. DETAILS OF THE INVESTIGATION 3

 1.0 PERSONAL ELECTRONIC DEVICE DESCRIPTION..... 4

 1.1 Data Recovery 4

A. ACCIDENT

Location: West Palm Beach, Florida
Date: March 5, 2023
Time: 2125 eastern standard time (EST)
Airplane: Diamond DA-40, N804ER

B. PERSONAL ELECTRONIC DEVICES SPECIALIST

Specialist: Gerald Kawamoto
Recorder Specialist
National Transportation Safety Board (NTSB)

C. DETAILS OF THE INVESTIGATION

A personal electronic devices (PEDs) group was not convened.

The NTSB Vehicle Recorder Division received the following PEDs:

Device Manufacturer/Model: Apple Watch Series 6
Part Number: A2294
Recorder Serial Number: H4HDTLG6Q1Y3

Device Manufacturer/Model: Apple iPad Mini 5
Part Number: A2126
Recorder Serial Number: DMPCT1A6LMV8

Device Manufacturer/Model: Apple iPad Mini 6
Part Number: A2568
IMEI Number: T264G7466Q

Device Manufacturer/Model: Apple iPhone 14 Pro (Deep Purple)
Part Number: A2650
IMEI Number: Unknown

Device Manufacturer/Model: Apple iPhone 14 Pro (Space Black)
Part Number: A2650
IMEI Number: Unknown

1.0 Personal Electronic Device 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 memory and can be accessed through manufacturer-provided interfaces.¹

1.1 Data Recovery

Upon arrival at the Vehicle Recorder Division, exterior examinations revealed significant impact damage to all devices, as shown in figures 1 through 5, rendering them inoperable. The internal components of each device were examined and the extent of the damage precluded normal recovery procedures and additional attempts were unsuccessful in yielding usable data. Therefore, no data pertinent to the event were recovered.



Figure 1. Apple Watch Series 6 as received.

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



Figure 2. iPad Mini 5 as received.

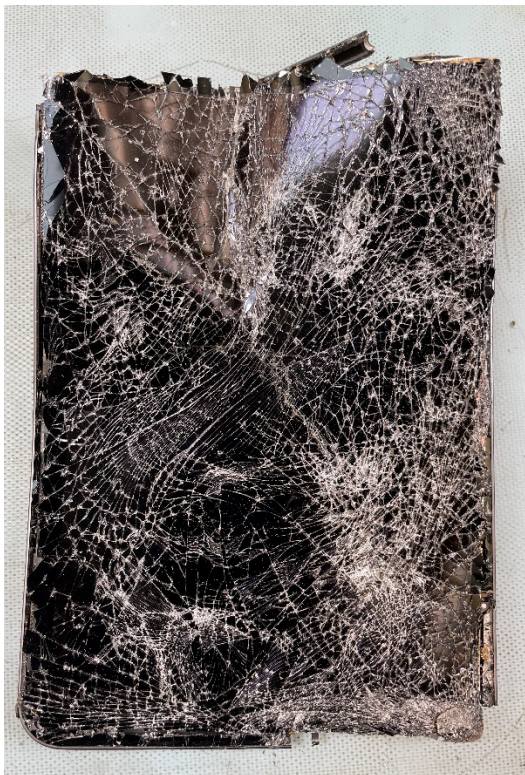


Figure 3. iPad Mini 6 as received.



Figure 4. iPhone 14 Pro (Deep Purple) as received.



Figure 5. iPhone 14 Pro (Space Black) as received.

Submitted by:

Gerald Kawamoto
Recorder Specialist