

NATIONAL TRANSPORTATION SAFETY BOARD
Vehicle Recorder Division
Washington, D.C. 20594

October 12, 2017

Personal Electronic Device

Specialist's Factual Report
By Bill Tuccio, Ph.D.

1. EVENT SUMMARY

Location: Tyonek, Alaska
Date: August 23, 2017
Aircraft: Piper PA-18
Registration: N1905A
Operator: Private
NTSB Number: ANC17FA049

2. GROUP

A group was not convened.

3. DETAILS OF INVESTIGATION

The National Transportation Safety Board (NTSB) Vehicle Recorder Division received the following device:

Device Manufacturer/Model:	Samsung Galaxy S7
Serial Number:	Unknown

3.1. Device Description

The device was a smartphone capable of calling, texting, web services, and running custom applications.

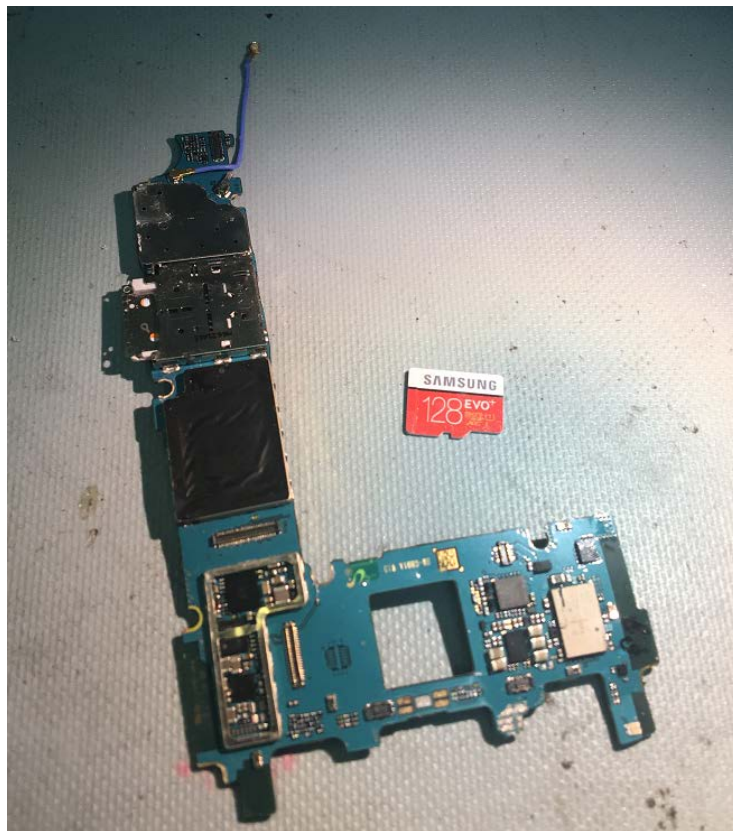
3.2. Device Condition

Upon arrival at the Vehicle Recorder Laboratory, an examination revealed the unit had sustained severe impact damage, as shown in figure 1. The male end of a headphone jack was found plugged into the external speaker/microphone port. The device was disassembled and a 128 gigabyte (GB) microSD card was recovered, along with the damaged internal circuit board, as shown in figure 2. The microSD card was downloaded and the contents examined.

Figure 1. Device as received.



Figure 2. Internal board and 128 GB microSD card.



3.3. Data Description

Data on the microSD card was not pertinent to the investigation. In agreement with the Investigator-in-Charge, no effort was made to recover data from the internal circuit board.