

HANNES SOFTWARE / BUS SCOPE SAMPLE EVIDENCE REPORT

HID feature report is sent but the device state does not change

A sample report for HID devices where the host sends a feature report but firmware does not apply the expected state change.

SCENARIO

HID support evidence

LIKELY CAUSE

The HID report ID, payload layout, firmware parser, or state transition is mismatched with the host tool.

FAILURE BOUNDARY

The host sent the HID feature report, but the device response or follow-up state evidence does not confirm the requested change.

RAW EVIDENCE EXCERPT

SET_REPORT observed; report ID and payload bytes captured; follow-up GET_REPORT/status does not reflect the requested state.

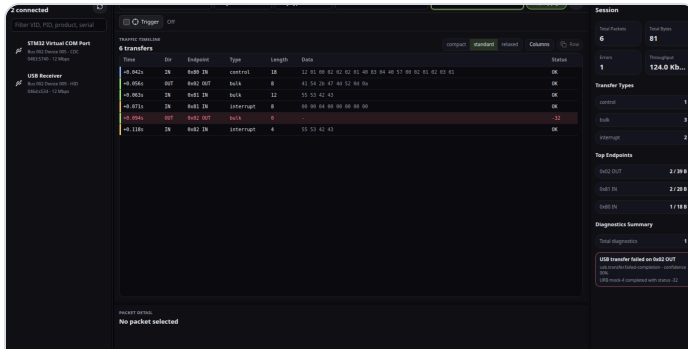
Evidence table

LAYER	FINDING	IMPLICATION
HID request	The host sends SET_REPORT with a captured report ID and payload.	The host-side command was issued; the next boundary is firmware parsing and state application.
Device response	Follow-up evidence does not confirm the expected device state.	The report payload may not match the firmware's expected format.
Handoff	The report isolates request bytes and expected state in one case file.	Support can send firmware a concrete HID payload instead of an application-level symptom.

Recommended fix

1. Verify report ID, report length, byte order, and feature report parser behavior.
2. Compare host payload against the HID report descriptor and firmware struct layout.
3. Add a known-good feature report capture to the regression suite.

Evidence screenshots



Packet detail evidence

The selected transfer keeps setup packet fields and payload bytes together for HID report review.

This sample is static marketing evidence. Real reports are generated locally from the case data inspected in Bus Scope.