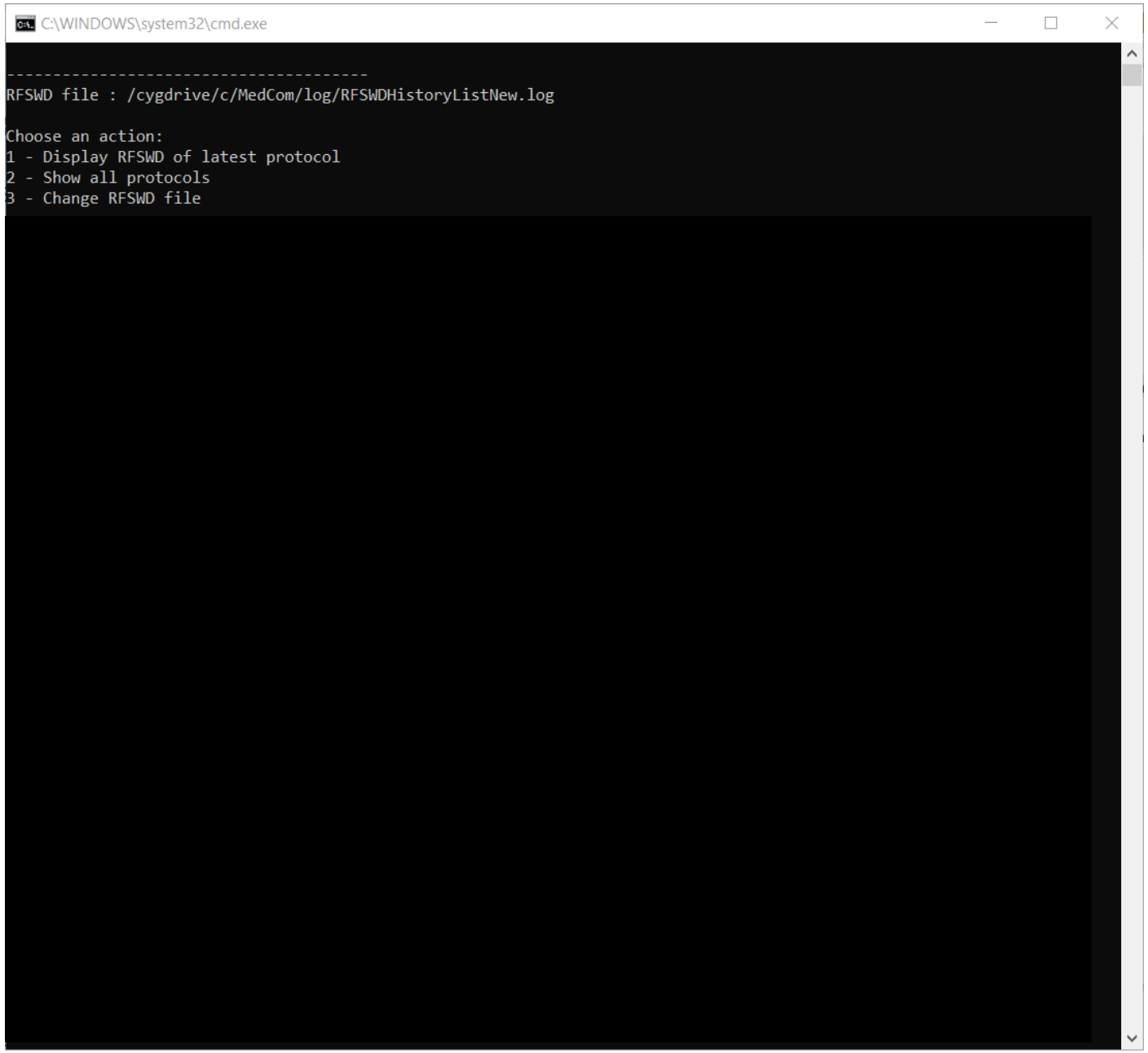
SAR management at the Siemens MR scanner

Batch executable: ***dump_RFSWD_info.bat***

Information is retrieved from the MR scanner log file called "*RFSWDHistoryListNew.log*"

3 options are available:

1. Display RFSWD extraction from latest executed protocol
2. Display a list of all protocols from current study
3. Switch to another RFSWD log file (older file still available in the log history)



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Date: July 1st, 2025

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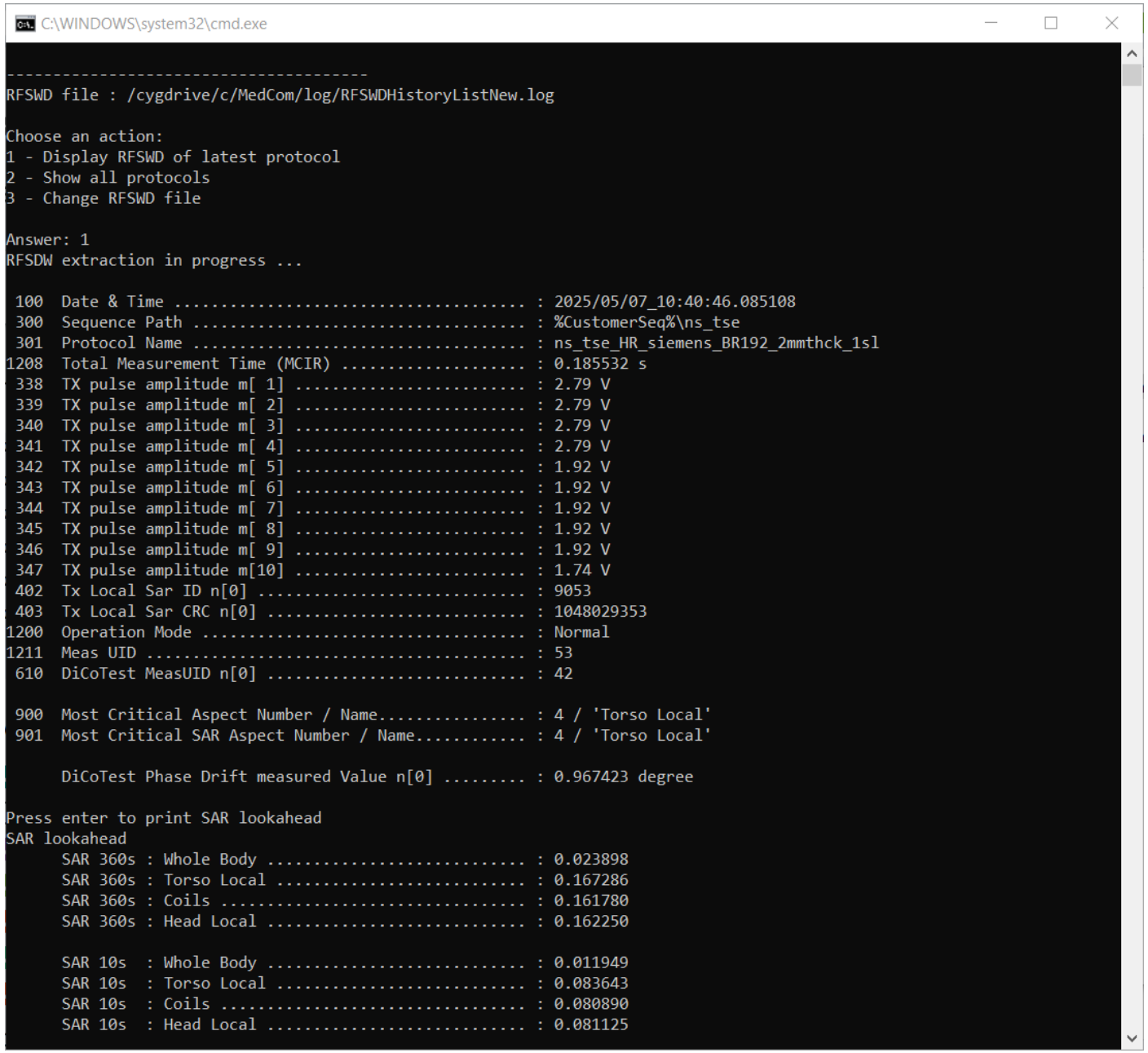
Once the RFSWD of an executed protocol is chosen, detailed information is displayed in several sections:

1. General information

Information about the protocol



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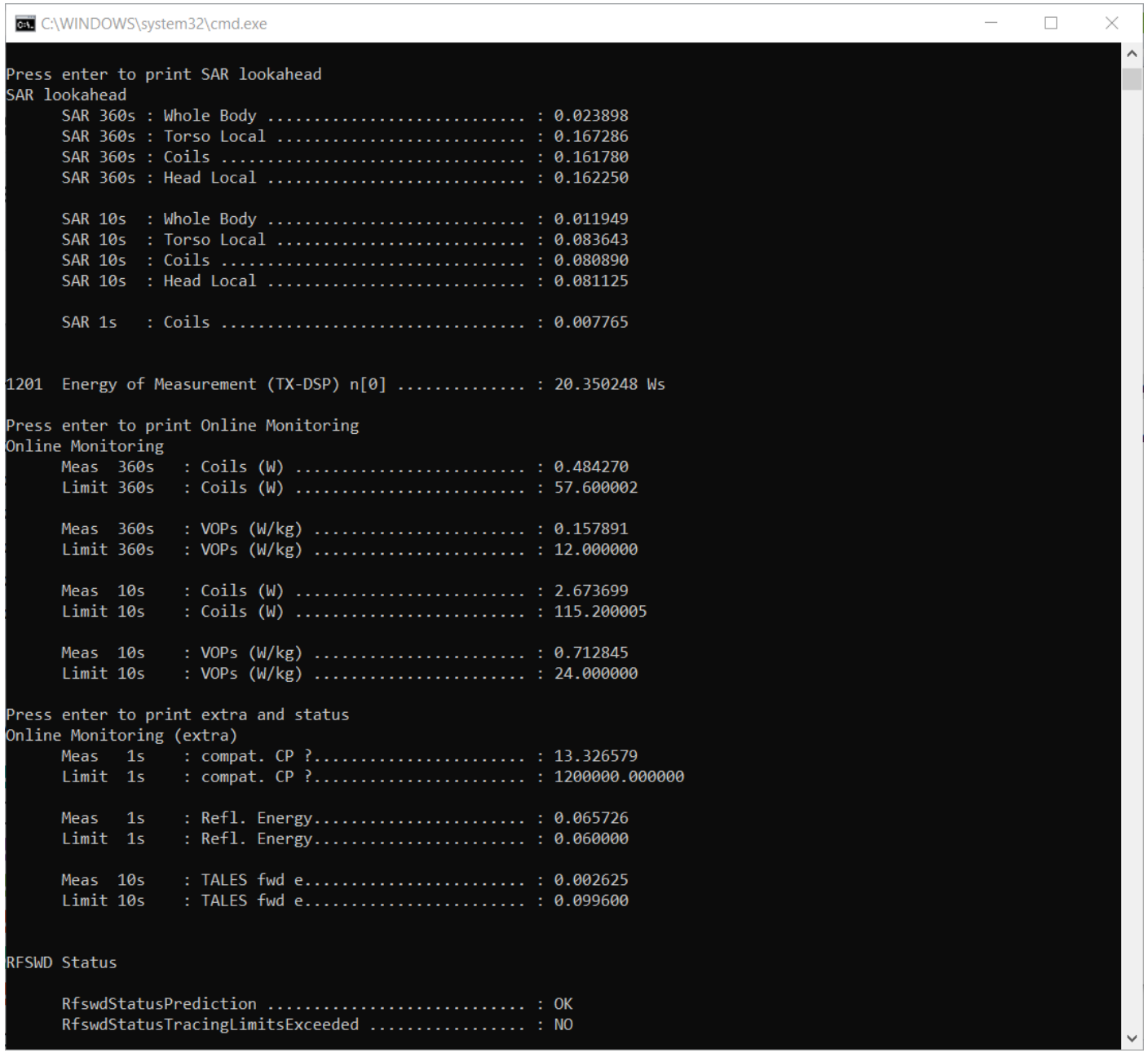

2. SAR look-ahead

SAR look-ahead levels for a set of limits that are checked by the system.

- A value of 1.0 means 100% of the given limit

If any value is above 1.0, the protocol did not run because the SAR lookahead prevented the acquisition.

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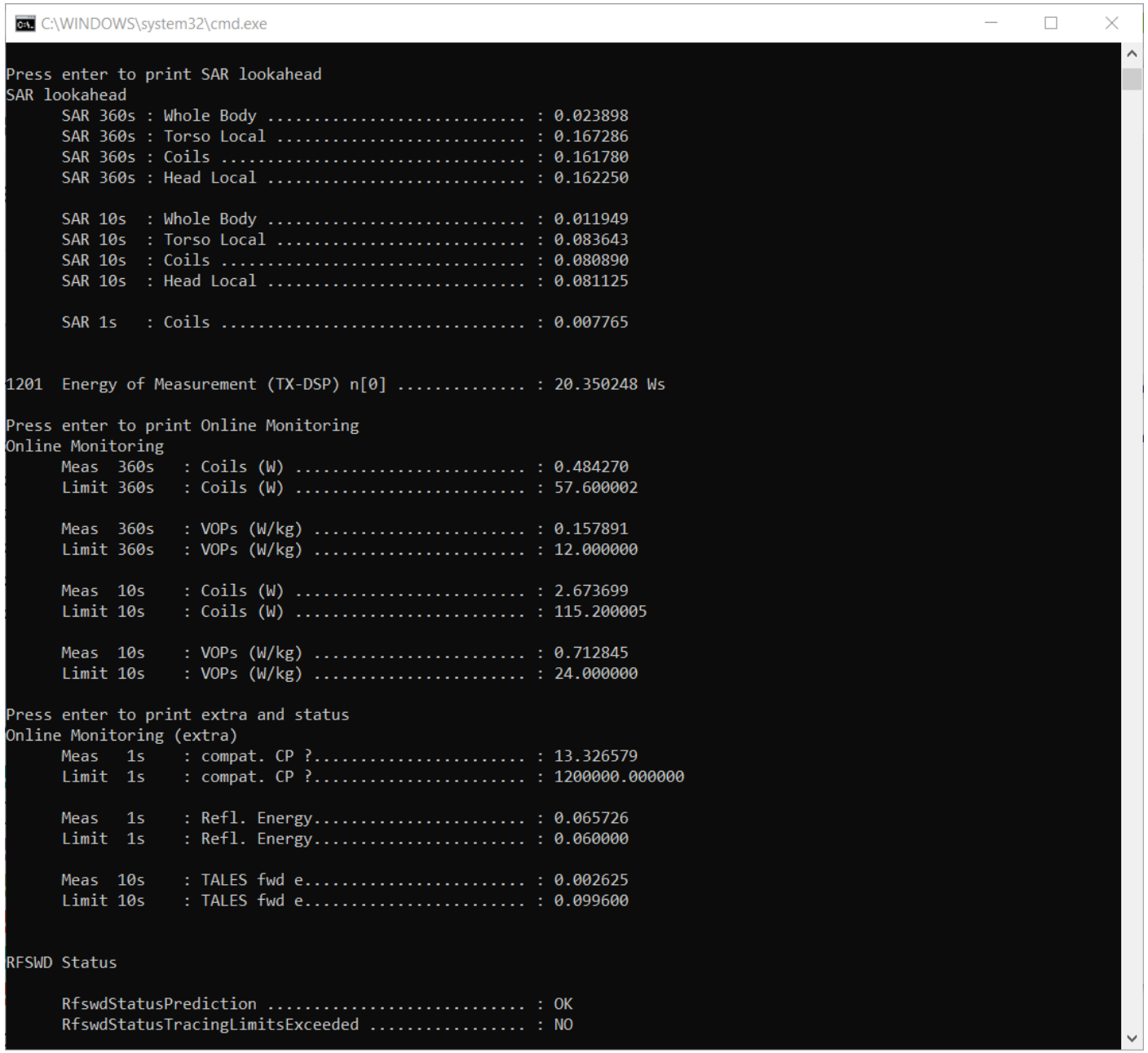
3. Online monitoring

“Online monitoring” refers to the measurements on the transmit path made by the system in real time.

The measured level, the type of limitation, the sliding window duration as well as the corresponding limit is displayed.

If the limit is reached during runtime, the sequence aborts before the end.



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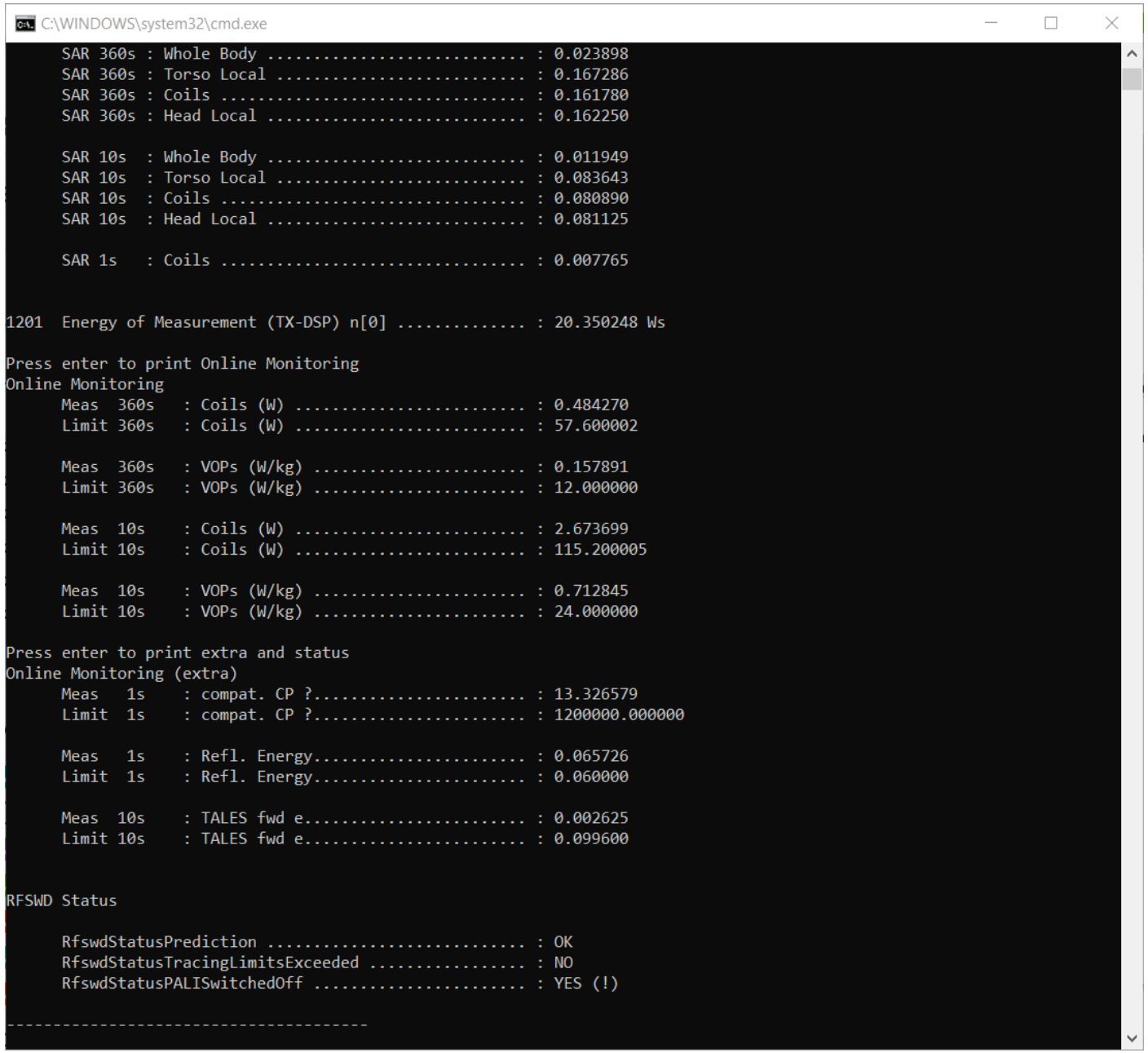

4. RFSWD status

RFSWD status gives some information about the reason a scan is being aborted during runtime.

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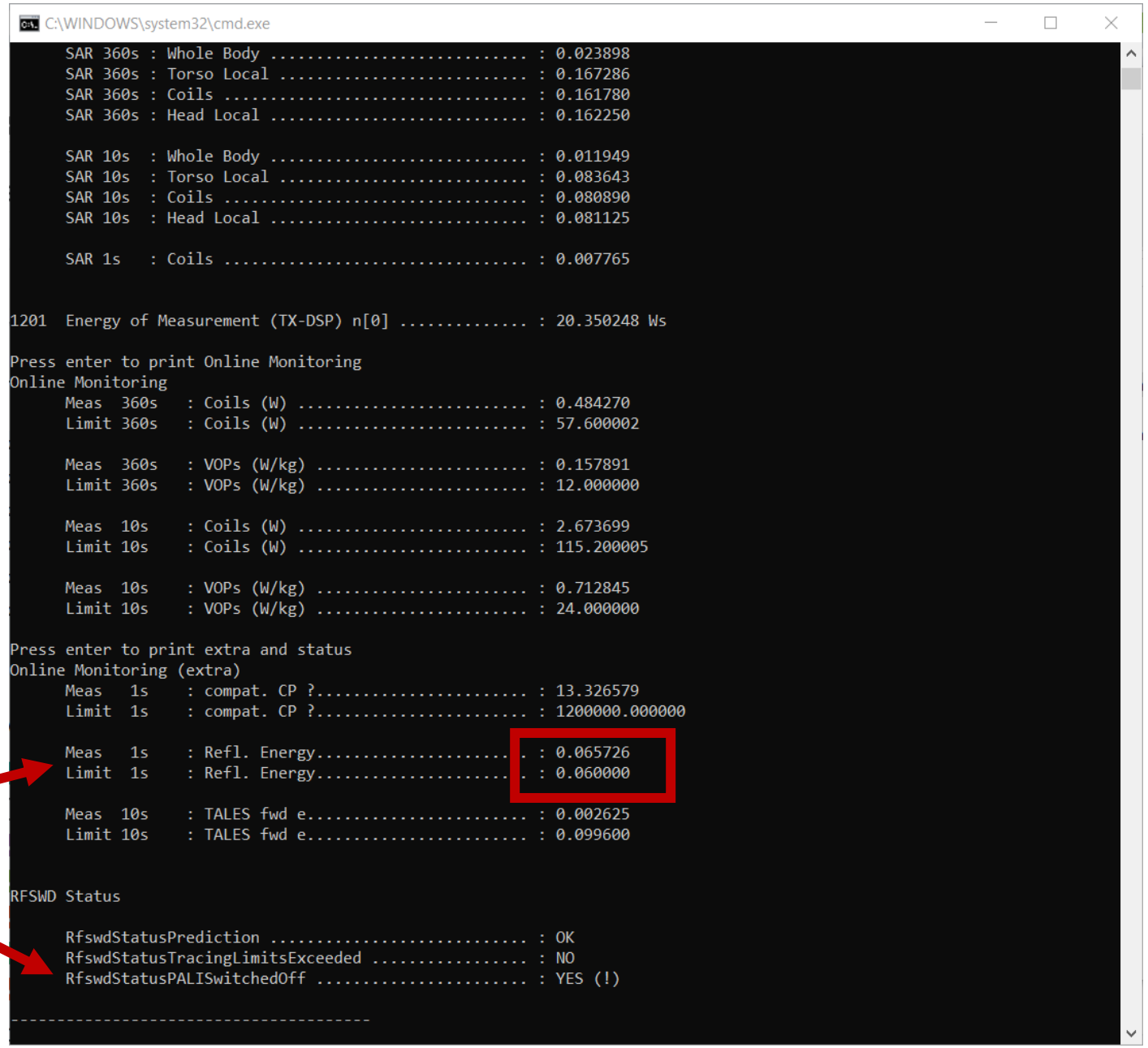
In this example, “reflected energy” was too high, and the sequence was stopped during runtime:



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