Bug Report for SXM-1782734

# Affected Tests:

SXM-1782734 (192 high severity errors found)

# Details:

The fundamental issue causing the test failure lies within the SOA component, specifically due to a high volume of high and medium severity errors related to various processes and threads.  
  
Impact: The test failure indicates potential instability and errors within the SOA component, which may affect the overall reliability and performance of the software.

# Component Analysis:

**Root Cause Component:** SOA

# Log Snippet:

[2025-03-31T15:27:28Z] [All] 03-31 11:27:28.212 2924 3354 E AutoSaveManager: InstantiationException when new SoaAdapterManager (Vehicle profile service) : java.lang.InstantiationException: Failed to find SoaSentry service.

[2025-03-31T15:27:28Z] [All] 03-31 11:27:28.228 2924 3077 E AutoSaveManager: InstantiationException when new SoaAdapterManager (Vehicle profile service) : java.lang.InstantiationException: Failed to find SoaSentry service.

[2025-03-31T15:27:29Z] [All] 03-31 11:27:28.600 626 1114 E OMXNodeInstance: getConfig(0xeb841040:google.aac.decoder, ConfigAndroidVendorExtension(0x6f100004)) ERROR: Undefined(0x80001001)

# Expected Behavior:

The test should complete successfully with all assertions passing.

# Actual Behavior:

Test failed with errors. See log snippets and details sections for more information.

# Scenario:

Scenario: Channel number is displayed as 4 digits  
Given the IP channels are created  
| channelId | channelNumber | category |  
| Ch\_999 | 999 | Rock |  
| Ch\_1002 | 1002 | Rock |  
And the application is tuned to channel 999  
And the application is displaying the linear tuner screen with the channel 1002 tile in focus  
Then the channel number shall be displayed as "1002"

# Recommended Actions:

* Investigate and address the root causes of the high severity errors related to OMXNodeInstance, NowPlayingCommonDataProcessor, and Bluetooth processes to prevent critical failures.  
   - Analyze and resolve the medium severity errors related to the diagnostics.agent process to improve system stability and error handling.  
   - Conduct thorough regression testing after implementing fixes to ensure the SOA component functions correctly and the test scenario related to channel number display is validated successfully.

# Additional Information (OCR from Screenshots):

Screenshot 1: 11:24 pa) Direct Tune Xx a.  
  
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1 2 3 SiRiusxm  
s3° 5 : 5 Ch2...