SQ66_WE__DS__R01_U_240723_01

Security patch

Android security patch updated :
2024-5-05
https://source.android.com/docs/security/bulletin/2024-05-01
2024-4-05
https://source.android.com/docs/security/bulletin/2024-04-01
2024-3-05
https://source.android.com/docs/security/bulletin/2024-03-01

New features

1. Integrated temporary verification patch for large capacitor to improve hardware power supply stability.
2. SQ66: Preinstalled verification APK V1.2.42; subsequent upgrades will be delivered via enterprise OTA push.
3. Integrated AgingTest and FactoryKit with Urovo unified framework to comply with new platform specifications.
4. Added system node configuration for battery health status to support upper-layer reading and display of battery health information.

Resovled issues

1. Fixed display inconsistency of Wi-Fi MAC address in Wi-Fi details page when system language is set to Spanish.
2. Optimized network sharing logic: Bluetooth sharing status will be retained after exiting the network sharing settings page.
3. Fixed dock static IP issue: Ethernet connection can be restored automatically after device reboot without manually toggling the host switch.
4. Optimized secondary microphone parameters in factory test mode: reduced audio gain and switched audio route to amic4 to resolve noise issue.
5. Reverted the frequent Wi-Fi scanning strategy for offline scenario to resolve high power consumption caused by continuous scanning when no network is available. There is a minor trade-off of slower reconnection after disconnection.
6. Optimized excessive battery drain during boot-up aging test to reduce power attenuation in long-duration aging test.

7. SQ66: Mitigated HS7 scanner interference to Wi-Fi. Updated Honeywell decoding library and increased MIPI frequency by 80M to improve coexistence stability between scanner and wireless communication.
8. Supported Google MDM control policy, added scanner retention capability so the scanner application will not be removed under MDM management.
9. Fixed mismatch issue between WLAN Direct default name and project model name.
10. Optimized aimer light GPIO request logic to eliminate warning logs during boot and runtime.
11. Fixed occasional repeated initialization of HS7 scanner to improve the stability of scanning module.
12. Enhanced log capture capability: User build supports offline diag_log collection for issue debugging.
13. Merged patch for battery over-discharge protection optimization in aging test to standardize low-power protection strategy and improve reliability during aging test.
14. Fixed known adaptation issues for China customized version: restore boot vibration effect, disable direct setup wizard skip by QR code scanning, and fix the "Voice search unavailable" prompt in dialer contact search box.

Known issues

1. After scanning and reading clipboard content, the paste/share pop-up window will no longer automatically appear.
2. When the device is removed from the docking station and re-seated, manual HOST switch toggle is required for the system to recognize and restore Ethernet connection.