



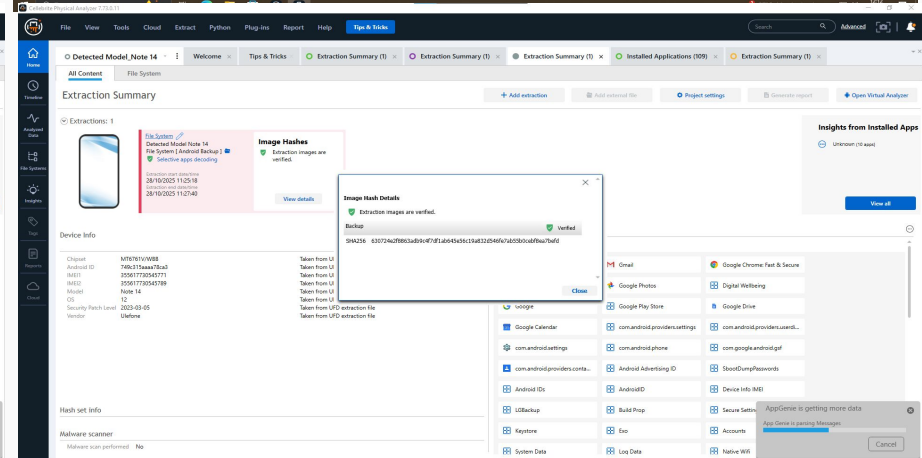
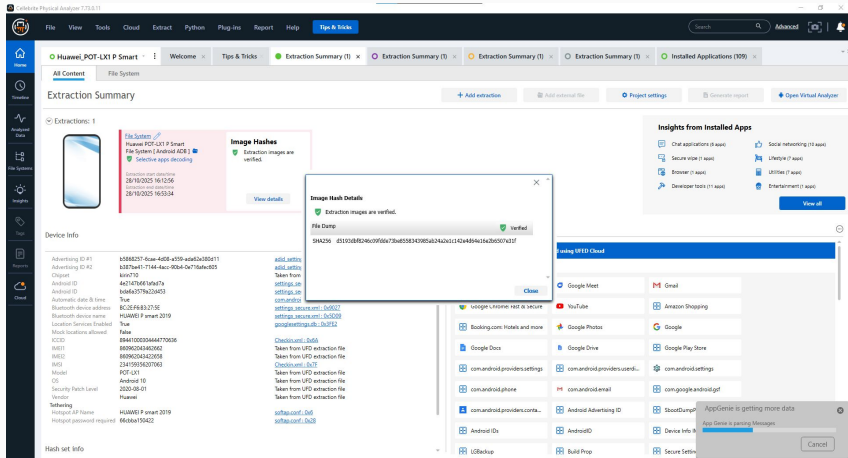
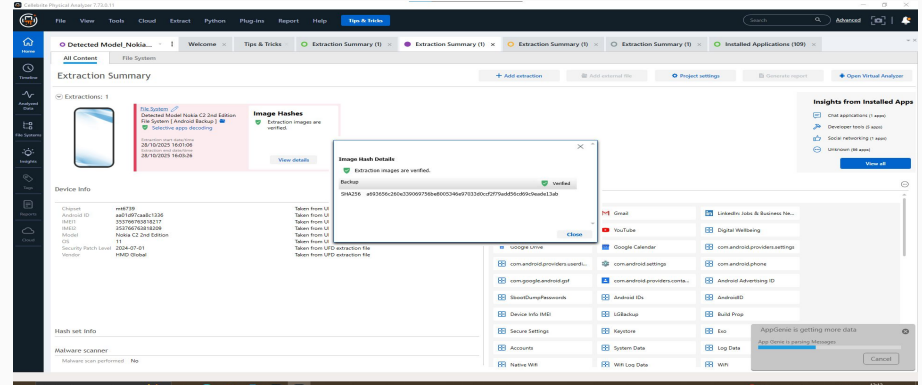
Digital Forensics Investigation Report

Case QT-AI-2025

Submitted by: Md Abu Sayeed (2528454)

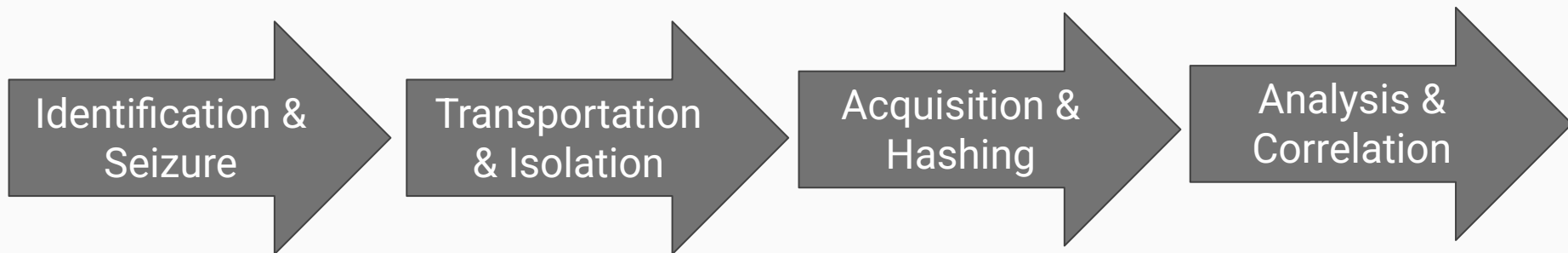
Digital Evidence Inventory & Chain of Custody

- QT-01 Nokia C2
- QT-02 Huawei P Smart
- QT-03 Samsung Galaxy A13
SHA-256 verified



Forensic Methodology & Tool Suite

- Cryptographic Integrity
- Forensic Tool Suite
 - Cellebrite UFED
 - Cellebrite Physical Analyzer V7



Communication Analysis

- Emma used Genie Chats
- Joe acted as broker

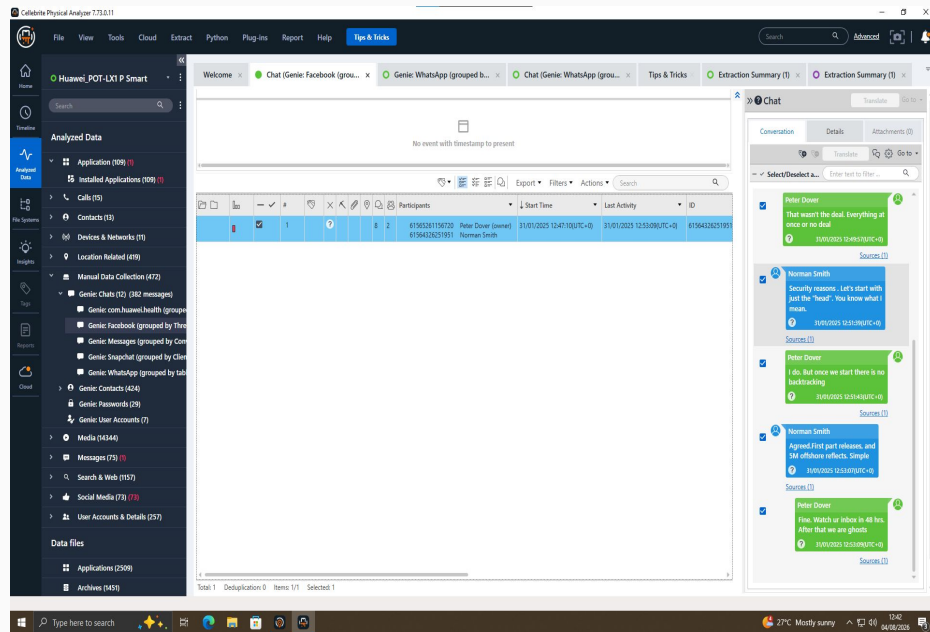
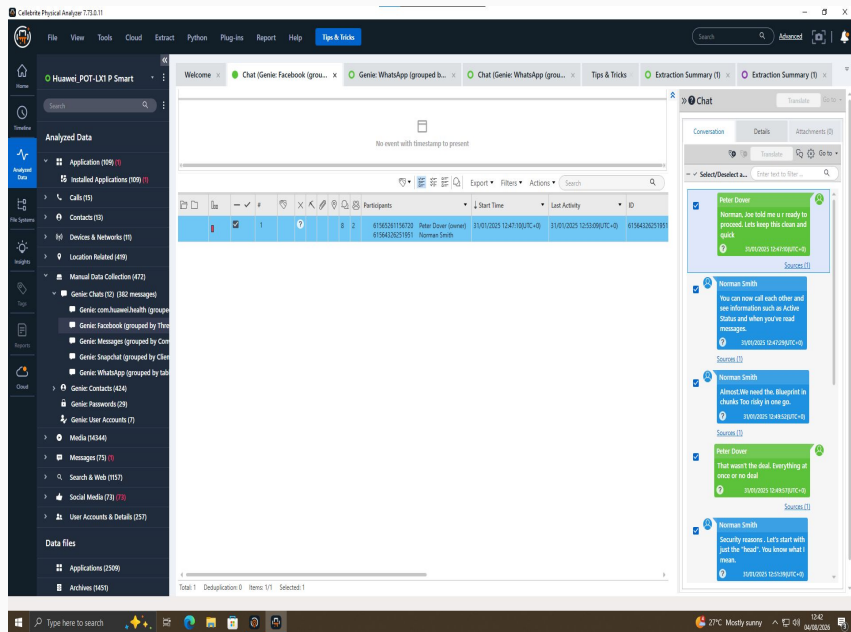
The screenshot displays the Calabris Physical Analyzer 7.70.0.11 interface, showing a detailed analysis of communication data from a Huawei_POT-LXI P Smart device. The interface is divided into several panes:

- Left Pane (Navigation):** Contains a sidebar with various analysis categories such as Application (109), Installed Applications (109), Calls (13), Contacts (3), Devices & Networks (11), Location Related (418), Manual Data Collection (412), Genie Chats (12), Genie Chats (12) (182 messages), Genie Facebook (grouped by Time), Genie Messages (grouped by Time), Genie Snapchat (grouped by Time), Genie WhatsApp (grouped by Time), Genie Contacts (424), Genie Passwords (29), Genie User Accounts (7), Media (14344), Messages (75) (1), Search & Web (157), Social Media (73) (173), User Accounts & Details (257), Data files, Applications (2509), and Archives (1493).
- Top Pane (Overview):** Displays a timeline graph showing activity over time, with a search bar and filters.
- Right Pane (Details):** Shows the details of a selected message, including the source (Genie WhatsApp), subject, timestamp, status, message type (App Message), device description, folder, message deleted reason, self-destruct duration, priority, service identifier, extension, manually decoded status, and source file.
- Bottom Pane (Conversation View):** Displays a list of messages, including a green message from Emma: "Hi! I need your help with something sensitive. Do you have time to talk? (Translated: 0)".

The interface also includes a search bar at the top and a status bar at the bottom showing system information like time and battery level.

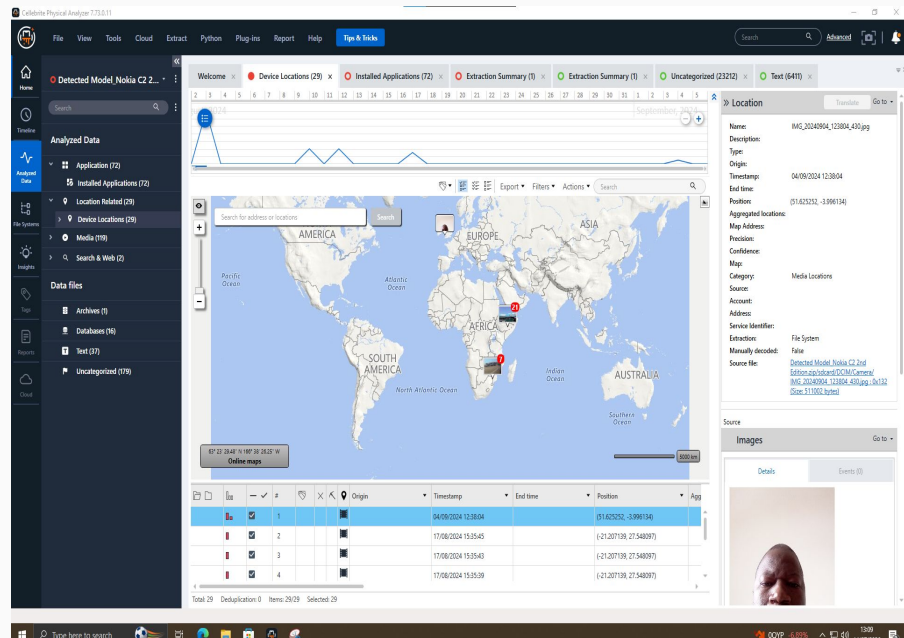
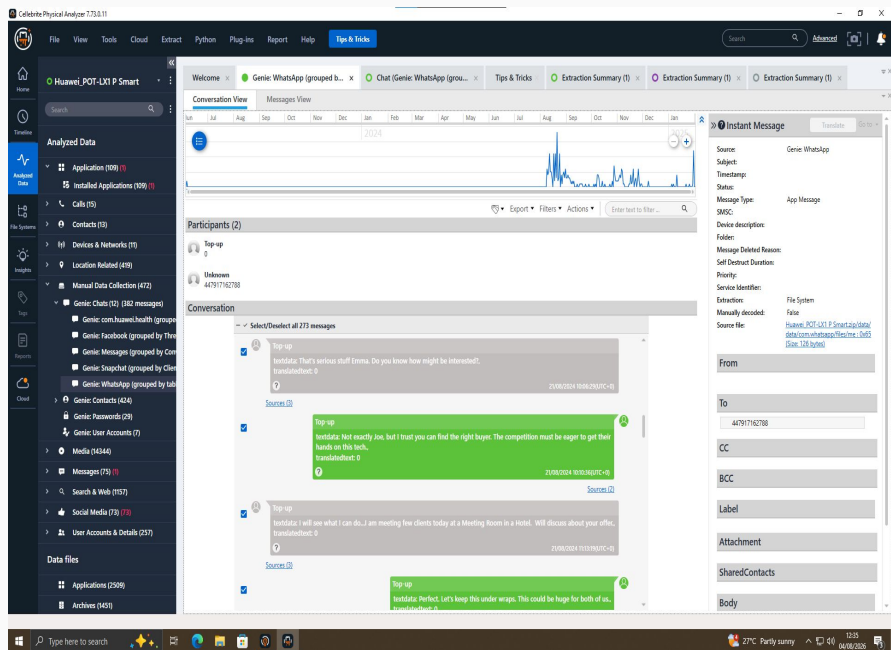
Communication Analysis

- Norman agreed to purchase
- Anti-forensic messages recovered



Communication & Geospatial Analysis

- Hotel meeting confirmed
- GPS logs correlated



Suspect Profiling & Behavioral Analysis

- Emma (The Perpetrator): Leveraged authorized access to target the QT-AI-2025 patent; motivated by financial enrichment and intellectual property betrayal.
- Joe (The Intermediary): Acted as a logistical buffer between Emma and Norman to obscure direct communication pathways.
- Norman (The Buyer): Exhibited clear mens rea through anti-forensic data sanitization and local SIM card removal on Exhibit QT-01.

Timeline of the Conspiracy

Timestamp	Suspect Involved	Evidence Source	Event Description
21/08/2024 07:27:09	Emma (Perpetrator)	Huawei System Logs / Genie Chats	Initial setup of covert communication
21/08/2024 11:13:19	Emma and Joe	Huawei System Logs / Whatsapp Chats	Disclosing intent to sell the AI-based Neuro product
31/01/2025 12:49:57	Emma and Norman	Huawei System Logs / Facebook Chats	Emma initiates direct contact with the corporate buyer
31/10/2025 12:51:49	Emma and Norman	Huawei System Logs / Facebook Chats	Norman agreed with the deal
21/08/2024 11:13:19	Emma and Joe	Huawei System Logs / Genie Chats	Joe confirms, she is meeting with clients
04/09/2024 12:08:04	Norman	Nokia C2 Device Location	Geolocation mapping records

Conclusion and Recommendations

- Evidence proves premeditated espionage
- Refer to law enforcement
- Implement DLP
- Request CDR and IMEI logs

Thank you