# Quality Assurance - Portfolio Control

General Status:

**PASSED WITH ISSUES**

## Overview

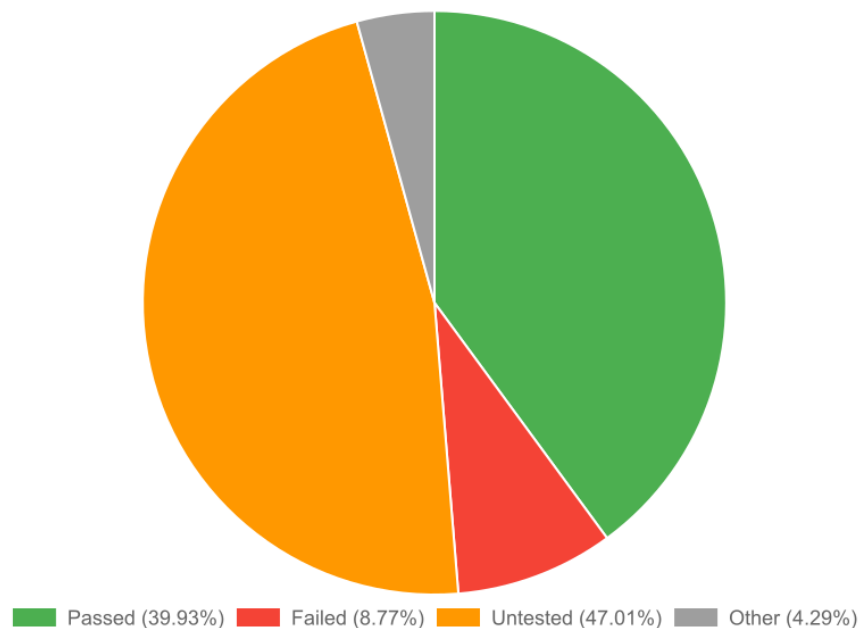Pass Rate: **39.9%**

Total Cases: **536**

Total Bugs: **0**

Testers:
Mayada Elsamie, Unknown

**Test Status Distribution**



Passed (39.93%)   Failed (8.77%)   Untested (47.01%)   Other (4.29%)

## Test Breakdown

Passed:
**214 (39.9%)**

Failed:
**47 (8.8%)**

Untested:
**252 (47.0%)**

Other:
**23 (4.3%)**

# Detailed Test Cases

| Test Case | Status | Ticket | Bugs |
|---|---|---|---|
| **Validate signal strength stability** | Passed | None | None |
| Check ground-to-space communication | Passed | None | None |
| Evaluate communication system's resistance to solar fl… | Passed | None | None |
| Test astronaut-to-astronaut communication | Passed | None | None |
| Evaluate emergency communication triggers | **Pending** | None | None |
| Maintenance notifications for communication systems | Untested | None | None |
| Verify system redundancy during failure | Passed | None | None |
| Test communication systems after reboot | Passed | None | None |
| Validate communication system response time | Failed | None | None |
| Verify message encryption and decryption | Passed | None | None |
| Test signal clarity under different conditions | Passed | None | None |
| Test communication system's performance during updates | Untested | None | None |

| | | | |
|---|---|---|---|
| Check communication system during power outage | **Untested** | None | None |
| Validate error logs for communication disruptions | **Deferred** | None | None |
| Verify laser communication system efficiency | **Passed** | None | None |
| Check compatibility with different communication devices | **Passed** | None | None |
| Test user interface for communication systems | **Blocked** | None | None |
| Validate data compression and decompression | **Passed** | None | None |
| TC-543 Testing automation | **Untested** | None | None |
| TC 544 Run Automation | **Untested** | None | None |
| Verify signal integrity over long distances | **Untested** | None | None |
| Assess bandwidth efficiency under different conditions | **Untested** | None | None |
| Confirm real-time communication feasibility | **Passed** | None | None |
| Check redundancy protocols for signal loss | **Blocked** | None | None |

| Monitor power consumption during peak usage | Failed | None | None |
|---|---|---|---|
| Test automatic frequency tuning during interference | Failed | None | None |
| Validate data encryption methods for security | Untested | None | None |
| Error correction coding efficiency assessment | Passed | None | None |
| Antenna aiming accuracy during signal drift | Pending | None | None |
| Confirm seamless switch between communication modes | Untested | None | None |
| Evaluate data compression and decompression speeds | Untested | None | None |
| Check synchronization with ground stations | Untested | None | None |
| Long-distance signal strength maintenance test | Untested | None | None |
| Assess performance of noise reduction software | Untested | None | None |
| Evaluate software response to signal delays | Untested | None | None |
| Test fault tolerance during communication interruptions | Passed | None | None |

| | | | |
|---|---|---|---|
| Evaluate transmission time for interstellar messages | **Failed** | None | None |
| Validate decoding of received interstellar messages | **Untested** | None | None |
| Interstellar message compression efficiency check | **Passed** | None | None |
| Test encryption standards for interstellar messaging | **Passed** | None | None |
| Assess system latency during peak hours | **Failed** | None | None |
| Check compatibility with various alien languages | **Passed** | None | None |
| Test the handling of corrupted message data | **Untested** | None | None |
| Validate response time to received messages | **Untested** | None | None |
| Verify message integrity after long-distance transmission | **Untested** | None | None |
| Evaluate power consumption during active messaging | **Passed** | None | None |
| Evaluate connection stability under high traffic | **Passed** | None | None |
| Verify encryption protocols for data transfer | **Passed** | None | None |

| Check compatibility with different satellite models | **Untested** | None | None |
| --- | --- | --- | --- |
| Determine maximum data transmission rate | **Passed** | None | None |

# Notes

test