

### Quality Assurance - Portfolio Control

#### General Status:

**FAILED**

#### Overview

Pass Rate: **39.9%**

Total Cases: **536**

Total Bugs: **0**

Tester(s):

**Mayada Elsamie, Unknown**

# 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