

NARRATIVE SUMMARY: PURPOSE OF EXPERIMENT

There are 3 parts to this testing license:

- (1) Falcon Hangar testing;
- (2) Dragon Hangar testing;
- (3) Ground use cases with our fixed antenna on the Hawthorne facility roof.

Falcon testing frequencies match the Falcon flight frequencies but with reduced power because of antenna hats. Dragon testing frequencies match the Dragon flight frequencies with reduced power because of hats. Ground use covers contingency Dragon command for emergency cases and Falcon test transmit allowing us to play transmissions into the big dish for test.