

NARRATIVE SUMMARY

SpaceX requests Special Temporary Authority to operate mobile landing radars on an experimental basis at the following locations:

- Hawthorne, CA: 33° 55' 15" N, 118° 19' 41" W with testing radius of 160 km
- Harper Dry Lake, CA: 34° 58' 37" N, 117° 27' 36" W with testing radius of 65 km
- Starbase, TX: 25° 58' 21" N, 97° 12' 04" W with testing radius of 6 km

SpaceX is investigating a Ka-band radar system to measure altimetry and velocimetry. This request uses information in previously granted license 2182-EX-ST-2025 and will be used to perform the same testing.