

SPRITE 2026 Reason and Scope for Modification

SPRITE current license is 0611-EX-CN-2025, which runs through October 1, 2027. However the spacecraft was not able to make the launch. Late in the final testing process it was discovered that the power regulator had failed because of improper battery charging during thermal vacuum testing. Due to the time for repairs, SPRITE was unable to meet the delivery date for this original launch.

There are no changes to the SPRITE design, radio architecture, or operations plans relative to the prior FCC license as a result of this delay.

SPRITE is now scheduled to launch on SpaceX Transporter 18, launching no earlier than October 1, 2026. The following summarizes the resulting changes, in terms of current license vs. requested license.

Item	Original Value	Modified Value
Launch Date NET	October 1, 2025	October 1, 2026
Launch Vehicle / Mission	Falcon 9/Transporter 15	Falcon 9 / Transporter 18
Launch Site	Vandenberg SFB	No change
Orbit Apogee km, Perigee km, Inclination degrees, LTAN Hr:Min:Sec	Altitude: 510 km circular Inclination: 97.4° LTAN: 10:30:00	No change
Lifetime After End of Mission, Years	4.0 years	5.5 years; waiver requested.

The affected exhibits are the Technical Description and the ODAR. Added exhibits are the waiver request form and accompanying letter.