

Narrative Summary for Additional Ship Frequencies

The legacy radio system used on Starship (“Ship”) through Flight 4 has reached end of life. Flights 5 and 6 feature a temporary system, utilizing the same radios (“Radio Controllers”) as the Super Heavy Booster (“Booster”) currently does. Flight 7 will be a further evolution of the RF system on Ship.

The Flight 5 and 6 RF system for Ship consists of two Radio Controllers, one on each side of the vehicle. Each Radio Controller supports two independent transmit chains, meaning there are a total of four transmit chains on the vehicle. To support two omnidirectional telemetry streams, as we do on the Booster, we are requesting four independent frequencies for Ship.

This is a temporary request for the RF system on Flights 5 and 6.