

Frequency Bands

Phase I (LEMUR-2)	
Downlink	2020-2025 MHz
Uplink	402-403 MHz
TT&C downlink	402-403 MHz
TT&C uplink	402-403 MHz
AIS (receive-only)	AIS 1 (161.9625-161.9875 MHz) AIS 2 (162.0125-162.0375 MHz)
GPS (receive-only)	GPS L1 (centered at 1575.42 MHz) GPS L2 (centered at 1227.60 MHz)
Backup	
Downlink	402-403 MHz

Phase II (LEMUR-3)	
Downlink (incl. TT&C)	8025-8400 MHz
Uplink (incl. TT&C)	2025-2110 MHz
AIS (receive-only)	AIS 1 (161.9625-161.9875 MHz) AIS 2 (162.0125-162.0375 MHz)
GPS (receive-only)	GPS L1 (centered at 1575.42 MHz) GPS L2 (centered at 1227.60 MHz)
Backup	
Downlink	2020-2025 MHz and 402-403 MHz
Uplink	402-403 MHz
TT&C downlink	402-403 MHz
TT&C uplink	402-403 MHz