

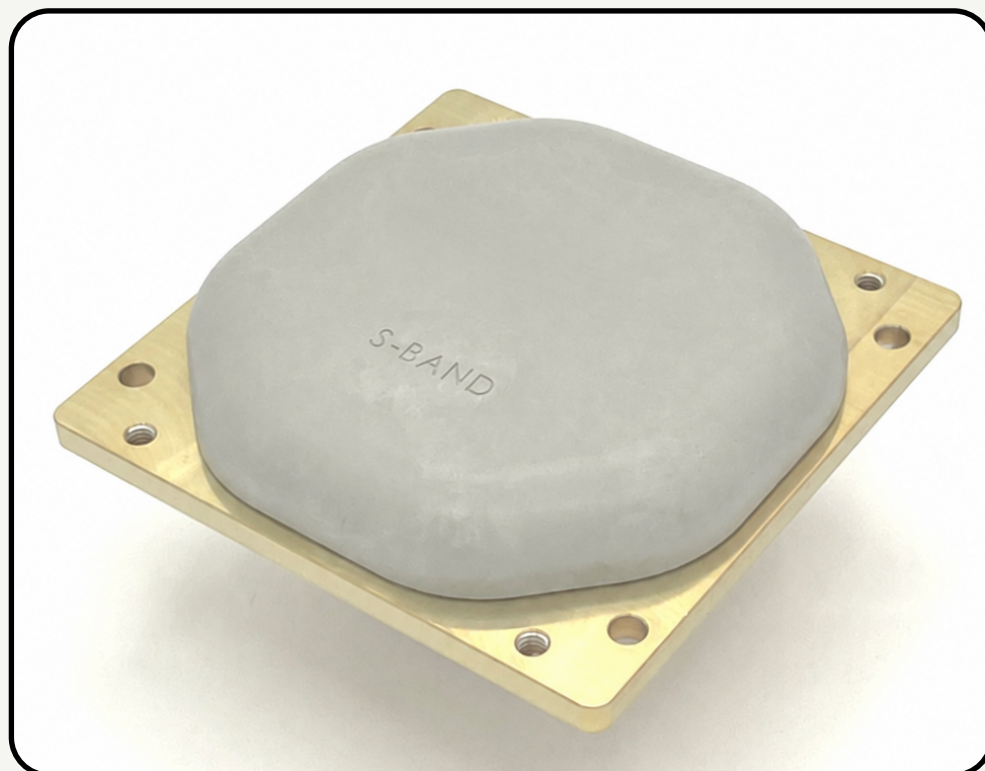


Product Options

COTS

Configurable

Custom



19+ COTS space antenna options, including 17 at TRL 9, for GNSS/GPS, TT&C, and data-link applications. Developed and priced for NewSpace programs, with standing inventory enabling lead times as short as a few days for select small-volume orders.

Testing, Inspection & Quality

- Workmanship inspection
- Acceptance testing available
- Compatible test hats available for many configurations
- Certificate of Conformance (CofC) available upon request
- Consultation services available (link budget, architecture and system design)

Qualification & Environmental Testing

- Designed to NASA GEVS (GSFC-STD-7000)
- Qualified for space applications
- Random vibration tested to 14.1 GRMS
- Operating temperature range from -70°C to +100°C
- Radiation tolerant options available



Standard Products (COTS)

Data sheets available upon request or at lucentumaerospace.com

Matching COTS Antenna Test Hats available for all COTS Space Antennas!

Reference Number	Type	Application	Pattern	Polarization	Frequency Range (MHz)	Gain (dB)	TID (krad)	TRL
CSA-UHF-001-LIN	UHF Omni	TT&C	Omni	Linear	395-405	0.5	—	9
CSA-L-001-RH	GNSS Active	GNSS/GPS	Omni	RHCP	1164-1591	15	500	9
CSA-L-002-RH	GNSS Active	GNSS/GPS	Omni	RHCP	1164-1591	35	500	9
CSA-L-003-RH	GPS L1 Active	GNSS/GPS	Omni	RHCP	1563.42-1587.42	20	250	9
CSA-L-004-RH	GNSS L1/E1 Active	GNSS/GPS	Omni	RHCP	1559-1591	20	500	9
CSA-L-005-RH	L-Band Omni	Data	Omni	RHCP	1510-1675	5	—	9
CSA-S-001-RH	S-Band Active RX Omni	TT&C	Omni	RHCP	2025-2120	32.5	500	9
CSA-S-002-DC	S-Band Dual-CP RX Omni	TT&C	Omni	RHCP/ LHCP	2025-2120	4.5	—	9
CSA-S-003-RH	S-Band Active TX/RX	TT&C	Omni	RHCP	2025-2300	16	500	9
CSA-S-004-RH	S-Band Omni	TT&C	Omni	RHCP	2025-2300	5.5	—	9
CSA-S-005-RH	S-Band Dual-Port Omni	TT&C	Omni	RHCP	2025-2300	4	—	9
CSA-S-006-RH	S-Band Isoflux	TT&C	Isoflux	RHCP	2025-2300	1	—	8
CSA-S-007-DC	S-Band Dual-CP Omni	TT&C	Omni	RHCP/ LHCP	2025-2300	5.5	—	9
CSA-S-008-RH	S-Band 2×2 TX	TT&C	Directional	RHCP	2200-2300	11	—	9
CSA-S-009-DC	S-Band Dual-CP TX Omni	TT&C	Omni	RHCP/ LHCP	2200-2300	4.5	—	9
CSA-X-001-RH	X-Band 2×2 TX	TT&C	Directional	RHCP	8025-8400	10	—	9
CSA-X-002-RH	X-Band 2×2 TX	TT&C	Directional	RHCP	8025-8500	9	—	9
CSA-X-003-RH	X-Band Switched-Beam	TT&C	Directional /Switched	RHCP	8025-8500	9	—	9
CSA-X-004-RH	X-Band Isoflux	TT&C	Isoflux	RHCP	8025-8500	4.5	—	8