

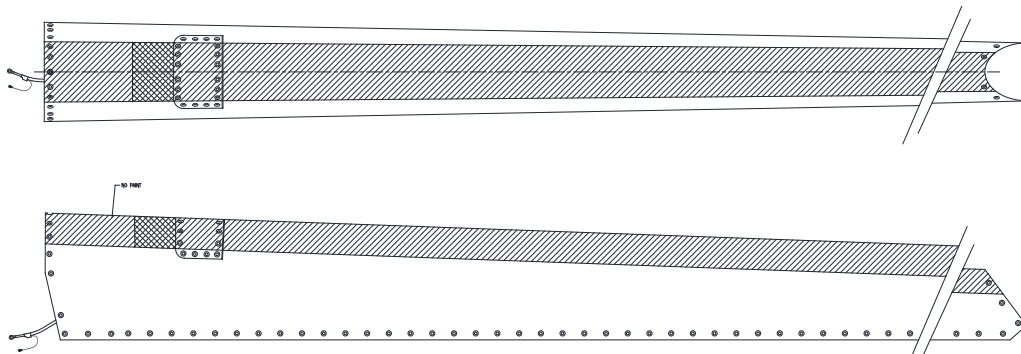
HF10-749-42

HF Conformal Antenna



Excellence in Aerospace since 1943

Photo Available Upon Request



Specifications

Electrical

Frequency	2-30 MHz
Polarization	Vertical
Radiation Pattern	Omnidirectional
Impedance	50 ohms

Mechanical

Weight	55.0 lbs. max. (24.9 kg)
Length	8.5 ft (2590.8 mm)
Material	Aluminum & Fiberglass
Finish	White Epoxy Primer
Connector	Wire Connection

Federal Specifications

Approvals	FAA-PMA
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HF10-749-42 HF Conformal Antenna

The HF10-749-42 conformal HF antenna was specifically developed to replace the Boeing 737's vertical stabilizer leading edge (Boeing PN 65-73787-15). The antenna element excites the entire tail section of the aircraft, thus providing omnidirectional radiation patterns. Shadowing of the aircraft structure is minimized by implementing this HF conformal design. Using this design eliminates the need for using of HF wire antennas and provides a reduction in aerodynamic drag, caused by the exterior wire antenna hardware.