



AeroAntenna Technology, Inc.

Iridium®/GPS Passive Airborne (TSO) Antenna Model: AT2775-110GA

Single Channel Aviation Patch (Iridium/GPS)

This low profile Iridium/GPS antenna provides continuous coverage from 1565MHz to 1626.5MHz for excellent Iridium operation as well as GPS L1 applications.

Mechanical configuration is a spherical-radius molded radome which provides enhanced protection against rain, ice, and lightning strikes. Qualified for high-speed military aircraft as well as ARINC applications.

The AT2775-110GA is an Iridium frequency antenna designed for both fixed wing and rotorcraft airframes. The AT2775-110GA is designed to work with Iridium based voice and data communications devices. AT2775-110GA is designed to be low profile and is FAA TSO approved C - 144.

SPECIFICATION:

FREQUENCY	1565-1626.5 MHz
POLARIZATION	RIGHT HAND CIRCULAR
AXIAL RATIO	3.0 dB MAX
RADIATION COVERAGE	4.0 dBic $\Theta = 0^\circ$
	-1.0 dBic $0^\circ < \Theta < 75^\circ$
	-2.5 dBic $75^\circ \leq \Theta < 80^\circ$
	-4.5 dBic $80^\circ \leq \Theta < 85^\circ$
	-7.5 dBic $\Theta < 90^\circ$
IMPEDANCE	50 OHMS
VSWR	$\leq 2.0:1$
POWER HANDLING	10 WATTS
WEIGHT	8.0 OZ MAX
MATERIAL	ALLOY-CASTING BASE PLATE ULTEM 2200 RADOME
FINISH	POLYURETHANE ENAMEL, FLUID RESISTANT
ALTITUDE	70,000'
OPERATING TEMP	-55°C TO +85°C
DESIGNED TO	DO-160D
	ENV CAT: E1-ABB[S(CLMY)U(FF1)]XSFDZSZAAYH[A3][2A]CX
TSO	C-144

