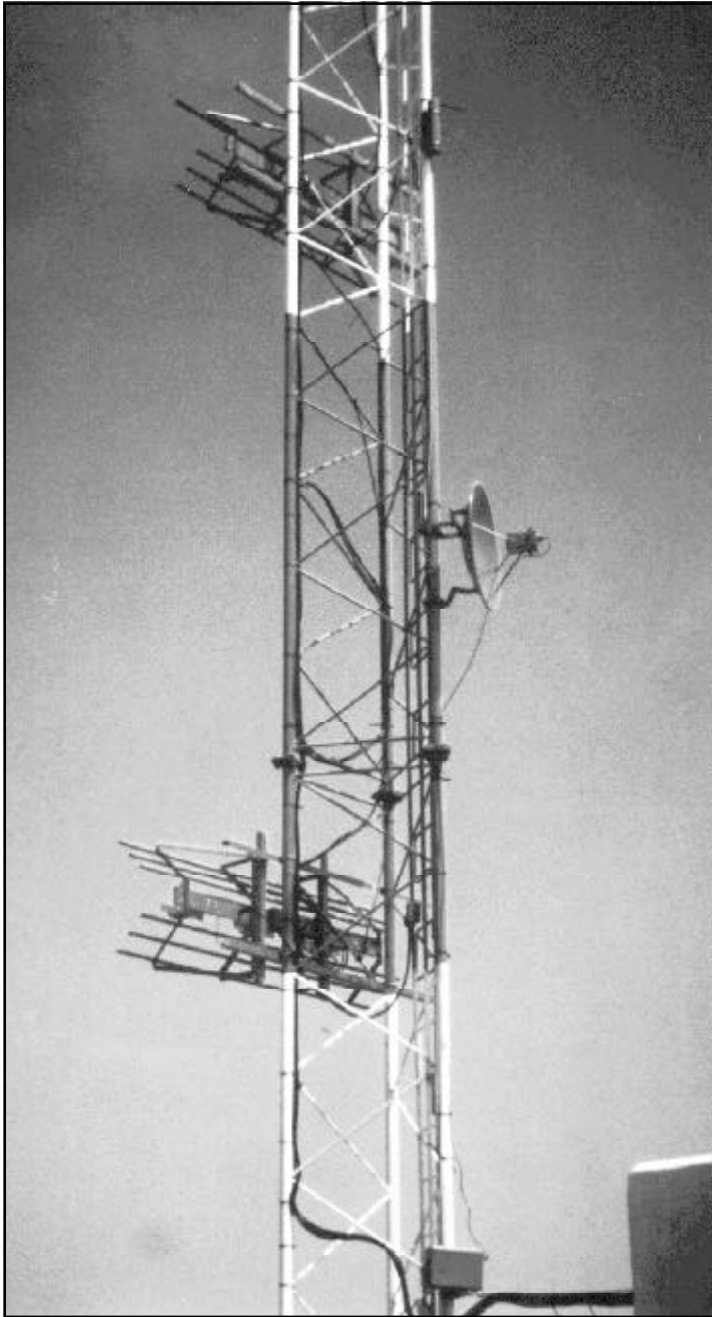


GS-2/3/4

- INSTRUMENT LANDING SYSTEM
- GLIDE SLOPE ANTENNA ARRAYS
- NULL REFERENCE SYSTEM
- CAPTURE EFFECT SYSTEM



Applications

Glide slope antennas are used to provide vertical guidance to aircraft during approach and landing of an aircraft under instrument flight rules.

Features

The glide slope antennas are designed to withstand 100 mph wind, 1/2-inch radial ice, temperature range of -50°C to 70°C, and 100% humidity. All elements are equipped with de-icing heaters and thermostats.

Characteristics

Glide slope antennas operate on a frequency of 328 to 336 MHz on a nominal impedance of 50 Ohms and power up to 50 watts. A null reference glide slope antenna system is fed by two transmitters, one on the carrier frequency and the other on sideband frequency. A capture effect glide slope antenna system is fed by an additional clearance transmitter. (Refer to FAA Handbook 6750.6 for more information on null reference and capture effect systems.) A null reference glide slope antenna system consists of two antenna arrays, an external RF network, and a 40-foot tower equipped with safety climbing rail and obstruction marking and lighting. A capture effect system is a null reference system plus an additional antenna array, 20 feet of tower and a clearance cancellation bridge.



PART NUMBER	DESCRIPTION	SPECIFICATIONS		
1500-0149-201	NULL REFERENCE GLIDE SLOPE ANTENNA SYSTEM	GS-2	GS-3	GS-4
1500-0149-202	CAPTURE EFFECT GLIDE SLOPE ANTENNA SYSTEM	With heaters, thermostats and snow cover	With heaters, thermostats and full dipole cover	Without heaters, with full dipole cover
1000-0579-201 or -202	GLIDE SLOPE ANTENNA	ALL MODELS		
1000-0578-203	MOUNTING FRAME	Frequency	328-336 MHz	
1000-0580-401	INTEGRAL MONITOR NETWORK, NULL REFERENCE (FA 8977)	Impedance	50 Ohms unbalanced	
1000-0580-402	INTEGRAL MONITOR NETWORK, CAPTURE EFFECT (FA 8978)	VSWR	1.5:1	
1000-0563-201	40' TOWER KIT	Connectors	Type "N"	
1000-0563-202	60' TOWER KIT			