

KBU SL-8-MP Paraslot UHF-TV Antenna

The KBU SL-8-MP Paraslot UHF-TV antenna is the next evolution of the proven SL-8 design, engineered for broadcasters requiring higher power handling, improved durability, and robust all-weather performance. Designed with the demands of ATSC 3.0 deployments in mind, the SL-8-MP is available in horizontal or elliptical polarization (70:30 E-pol) to support enhanced mobile and indoor reception. The antenna is offered in single- and multichannel models and is rated for up to 5 kW input power with a 1-5/8" EIA input, making it ideal for demanding UHF-TV transmit applications requiring omnidirectional coverage.

The SL-8-MP features integrated slot radome protection, shielding the critical slot feedpoints from environmental exposure while preserving pattern integrity. This design ensures stable performance and reliable coverage, even under severe ice and snow conditions.

The standard SL-8-MP is a single-channel slot array with a power input rating of 5,000 watts, VSWR of 1.1:1 maximum, and 1.75° of electrical beamtilt (with custom beamtilt and null-fill available on request).

For multichannel applications, wideband models are available:

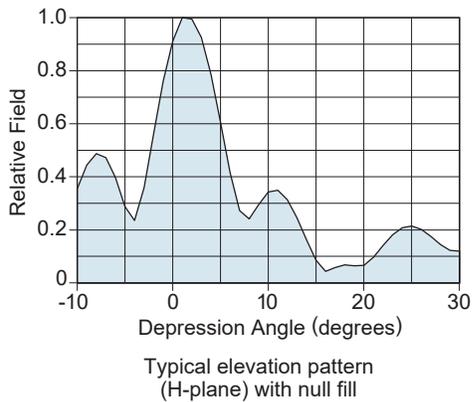
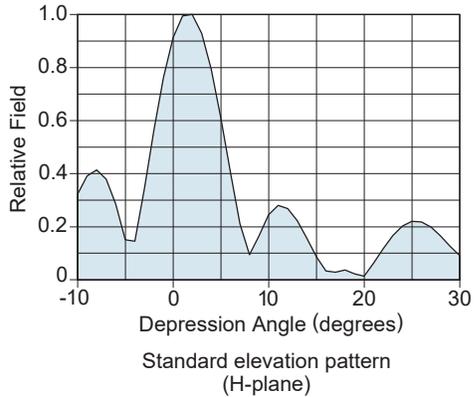
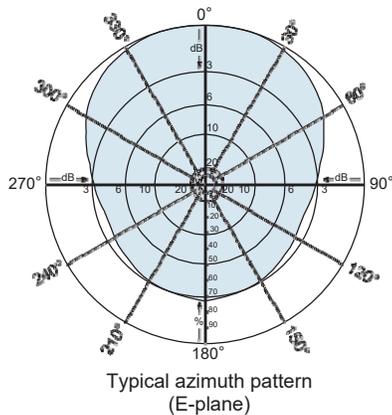
SL-8-MP-2 provides broadband coverage across an 18 MHz bandwidth with VSWR of 1.15:1 or better, supporting dual-channel operation with combined transmitters.

SL-8-MP-3 supports up to a 30 MHz operating bandwidth with VSWR of 1.25:1 or better, accommodating multiple UHF-TV transmitters combined into a single array.



General Specifications

Frequency	470—608 MHz (Specify 6, 7 or 8 MHz channel)
Impedance	50 ohms
Polarization	Horizontal or Elliptical (70:30)
Peak gain:	11.4 dBd (power-x: 13.8)
RMS gain:	9.3 dBd (power-x: 8.51)
Maximum input power	5 kW
Electrical beamtilt	1.75 degrees standard (custom beamtilt and null-fill options are available @ no extra cost)
Connector	1-5/8" EIA flange
Mounting	Mounting kits are included for pipe or leg diameter of 2.375 to 4.5 inch (60 to 114 mm) OD.)



30060a subject to alteration

All specifications are subject to change without notice.
The latest specifications are available at
www.kathreinscala.com

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