

The KBU SL-8 Paraslot UHF-TV antenna is a high performance slot array offering excellent performance in UHF-TV transmit applications requiring omnidirectional coverage. The SL-8 is available in single and multichannel models with a 1,000 watt power rating and optional null-fill.

KBU's patented symmetrical parallel feed system is completely housed within the center of the antenna, and resists changes in radiation pattern caused by ice or snow buildup on the periphery of the antenna.

The standard SL-8 is a single-channel slot array with a power input rating of 1000 watts, VSWR of 1.1:1 maximum, 1.75 degrees of electrical beamtilt, and 7/8" EIA flange termination. Options include null-fill and additional beamtilt.

The SL-8-2 is designed for wideband performance over an 18 MHz bandwidth permitting multiple UHF-TV transmitters to be diplexed into a single antenna. The SL-8-2 provides VSWR of 1.15:1 or better across the specified channels.

The SL-8-3 is designed for wideband performance over a 30 MHz bandwidth. This arrangement allows multiple UHF-TV transmitters to be multiplexed into a single antenna. VSWR is held to 1.25:1 or better over the specified channels.



Specifications: One UHF-TV Channel				
Frequency range (MHz)	470 to 548	548 to 674	674 to 788	788 to 806
Maximum gain (dBd)	11.4	11.4	11.4	11.4
Power gain	13.8	13.8	13.8	13.8
VSWR	< 1.1:1	< 1.1:1	< 1.1:1	< 1.1:1

Specifications: One UHF-TV Channel with Null Fill				
Frequency range (MHz)	470 to 554	554 to 686	686 to 800	800 to 806
Maximum gain (dBd)	10.5	10.5	10.5	10.5
Powergain	11.22	11.22	11.22	11.22
VSWR	< 1.1:1	< 1.1:1	< 1.1:1	< 1.1:1

Specifications: Two UHF-TV Channels (up to 18 MHz bandwidth)				
Frequency range (MHz)	470 to 554	542 to 680	668 to 794	782 to 806
Maximum gain (dBd)	10.5	10.5	10.5	10.5
Powergain	11.22	11.22	11.22	11.22
VSWR	18 MHz band < 1.15:1	< 1.15:1	< 1.15:1	< 1.15:1

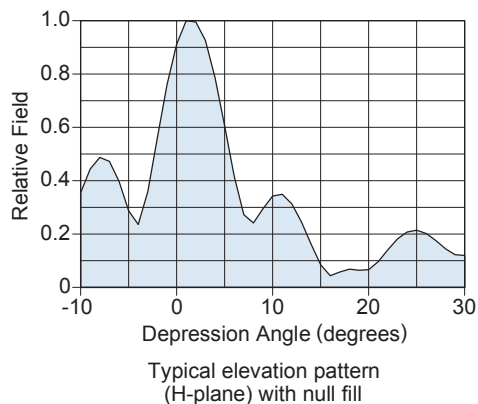
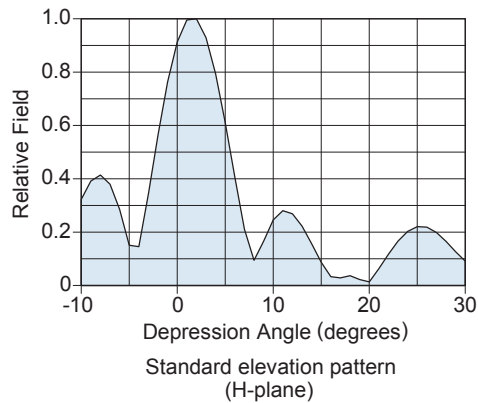
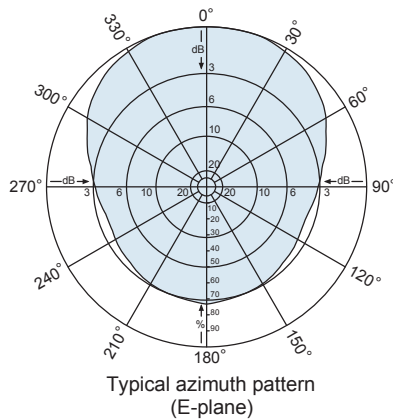
Specifications: Three UHF-TV Channels (up to 30 MHz bandwidth)				
Frequency range (MHz)	470 to 566	542 to 692	668 to 806	
Maximum gain (dBd)	10.5	10.5	10.5	
Powergain	11.22	11.22	11.22	
VSWR	30 MHz band < 1.25:1	< 1.25:1	< 1.25:1	

Mechanical Specifications				
Weight	95 lb (44 kg)	75 lb (34 kg)	65 lb (30 kg)	35 lb (16 kg)
Height	288 inches (7315 mm)	240 inches (6096 mm)	216 inches (5486 mm)	180 inches (4572 mm)
Diameter	4 inches (102 mm)	3.5 inches (89 mm)	2.875 inches (73 mm)	2.375 inches (60 mm)
Wind load at 100 mph (161 kph)	Side 190 lbf (845 N)	137 lbf (609 N)	101 lbf (449 N)	86 lbf (383 N)
Wind survival rating	80 mph (129 kph)	90 mph (145 kph)	90 mph (145 kph)	80 mph (129 kph)
Shipping dimensions	302 x 9 x 7 inches (7671 x 229 x 178 mm)	280 x 9 x 7 inches (7112 x 229 x 178 mm)	254 x 9 x 7 inches (6452 x 229 x 178 mm)	193 x 7 x 7 inches (4902 x 178 x 178 mm)
Shipping weight	210 lb (96 kg)	170 lb (78 kg)	130 lb (59 kg)	70 lb (32 kg)

30060a subject to alteration

#### General Specifications

Frequency	470—806 MHz
Impedance	50 ohms
Polarization	Horizontal
Maximum input power	1000 watts
Electrical beamtilt	1.75 degrees standard (special beamtilt options are available)
Null fill	Optional
Connector	7/8" EIA flange
Mounting	Mounting kits are available for attachment to a flat vertical surface or to masts with 2.375 to 4.5 inch (60 to 114 mm) OD.)



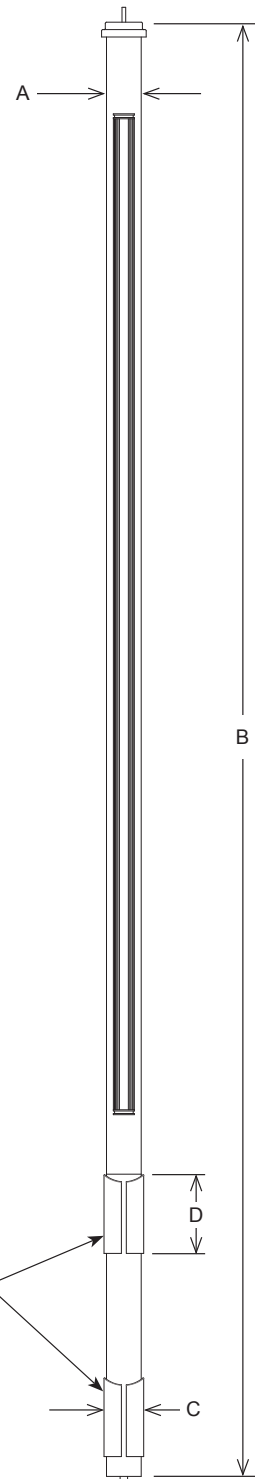
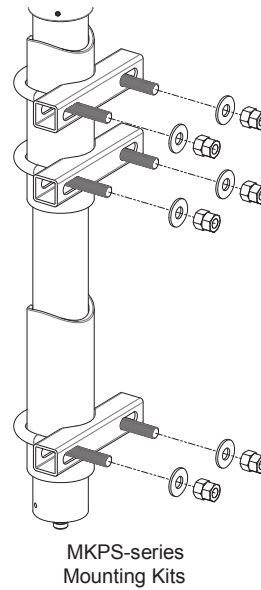
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All specifications are subject to change without notice.  
The latest specifications are available at [www.kathrein-bca.com](http://www.kathrein-bca.com)

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### Mounting options

Model	Description
<b>788—806 MHz</b>	
MKPS-13	Mounting kit for mounting to a flat plate
MKPP-23*	Mounting kit for 2.375 to 3.5 inch (60 to 89 mm) OD mast.
MKPP-26*	Mounting kit for 2.375 to 5 inch (60 to 127 mm) OD mast.
MKGK-1	Guy kit
MKSK-1	Spreader kit
<b>674—788 MHz</b>	
MKPS-14	Mounting kit for mounting to a flat plate
MKPP-23*	Mounting kit for 2.375 to 3.5 inch (60 to 89 mm) OD mast.
MKPP-26*	Mounting kit for 2.375 to 5 inch (60 to 127 mm) OD mast.
MKGK-2	Guy kit
MKSK-2	Spreader kit
<b>548—674 MHz</b>	
MKPS-15	Mounting kit for mounting to a flat plate
MKPP-26*	Mounting kit for 2.375 to 5 inch (60 to 127 mm) OD mast.
MKGK-3	Guy kit
MKSK-3	Spreader kit
<b>470—548 MHz</b>	
MKPS-16	Mounting kit for mounting to a flat plate
MKPP-26*	Mounting kit for 2.375 to 5 inch (60 to 127 mm) OD mast.
MKGK-4	Guy kit
MKSK-4	Spreader kit



\*Pipe mounting kits for SL-8 antennas permit the installation of the antenna to a variety of pipe mast OD's. The range of OD is not intended to qualify those pipe support masts as being structurally adequate to support the antenna and in all cases, qualified structural engineering consultants should be engaged to design an adequate mount for all prevailing conditions at the installation site.

A	B	C	D
2.375 inches (60 mm)	180 inches (4572 mm)	2.875 inches (73 mm)	7.9 inches (201 mm)
2.875 inches (73 mm)	216 inches (5486 mm)	3.5 inches (89 mm)	7.9 inches (201 mm)
3.5 inches (89 mm)	240 inches (6096 mm)	4 inches (102 mm)	7.9 inches (201 mm)
4 inches (102 mm)	288 inches (7315 mm)	4.5 inches (114 mm)	7.9 inches (201 mm)

### Antenna Guying

In order to provide maximum reliability and service life, KBU recommends that the SL-8 antenna be guyed in cases where it is top mounted, free standing or subject to high winds.

An optional Guy Kit is available.

In cases where the antenna is side-mounted on the support structure, a brace can be used from the mounting structure to provide stability and strength to the installation.