

771-304
OMNIDIRECTIONAL ANTENNA
11 dBd gain
470–860 MHz

The Kathrein Scala Division 771-304 Superturnstile Antenna is designed for low to medium power NTSC and DTV transmit applications which require Omni-directional coverage. Due to the very wide bandwidth, the antenna is ideally suited for combining multiple transmitters.

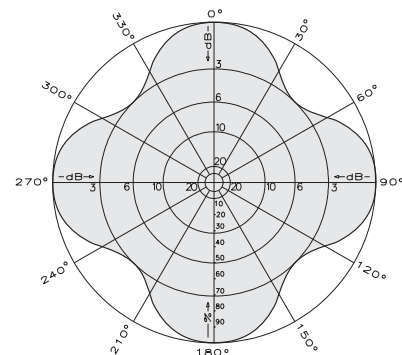
Performance under icing conditions is assured by the fiberglass (GRP) radome which covers the entire antenna. Lightning protection is provided by a large cross section conductor connecting the antenna's top cap to it's mounting bracket. These features make this antenna ideally suited for even the most adverse environmental conditions and difficult transmitter sites.

Like all Kathrein Scala Division antennas, the 771-304 is made of the finest materials using state of the art electrical and mechanical designs, resulting in superior performance and long service life. Please contact the Kathrein Scala Division Broadcast Sales department for further information and other gain options.

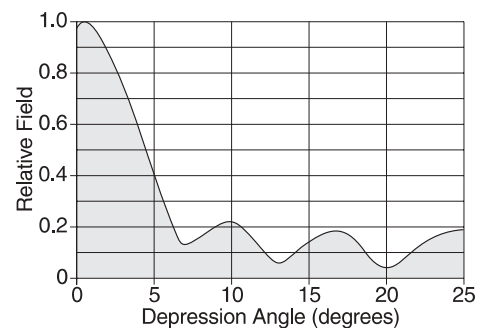
Specifications:

Frequency range	470–860 MHz (broadband)
Gain	11 dBd
Impedance	50 ohms
VSWR	<1.1:1 across the band
Polarization	Horizontal
Maximum input power	5 kW (at 50° C)
Azimuth pattern	Omni
Elevation pattern	5.5 degrees (half-power)
Connector	1½ inch EIA female flange
Weight	397 lb (180 kg)
Height	200.8 inches (5.1 m)
Radome diameter	11.8 inches (300 mm)
Equivalent flat plate area	14.48 ft ² (1.345 m ²)
Wind survival rating*	140 mph (225 kph)
Mounting	Mounts to an existing structure using an adapter. See mounting dimensions on reverse.

* Mechanical design is based on environmental conditions as stipulated in EIA-222-F (June 1996) and/or ETS 300 019-1-4 which include the static mechanical load imposed on an antenna by wind at maximum velocity. See the Engineering Section of the catalog for further details.



Azimuth pattern (E-plane)

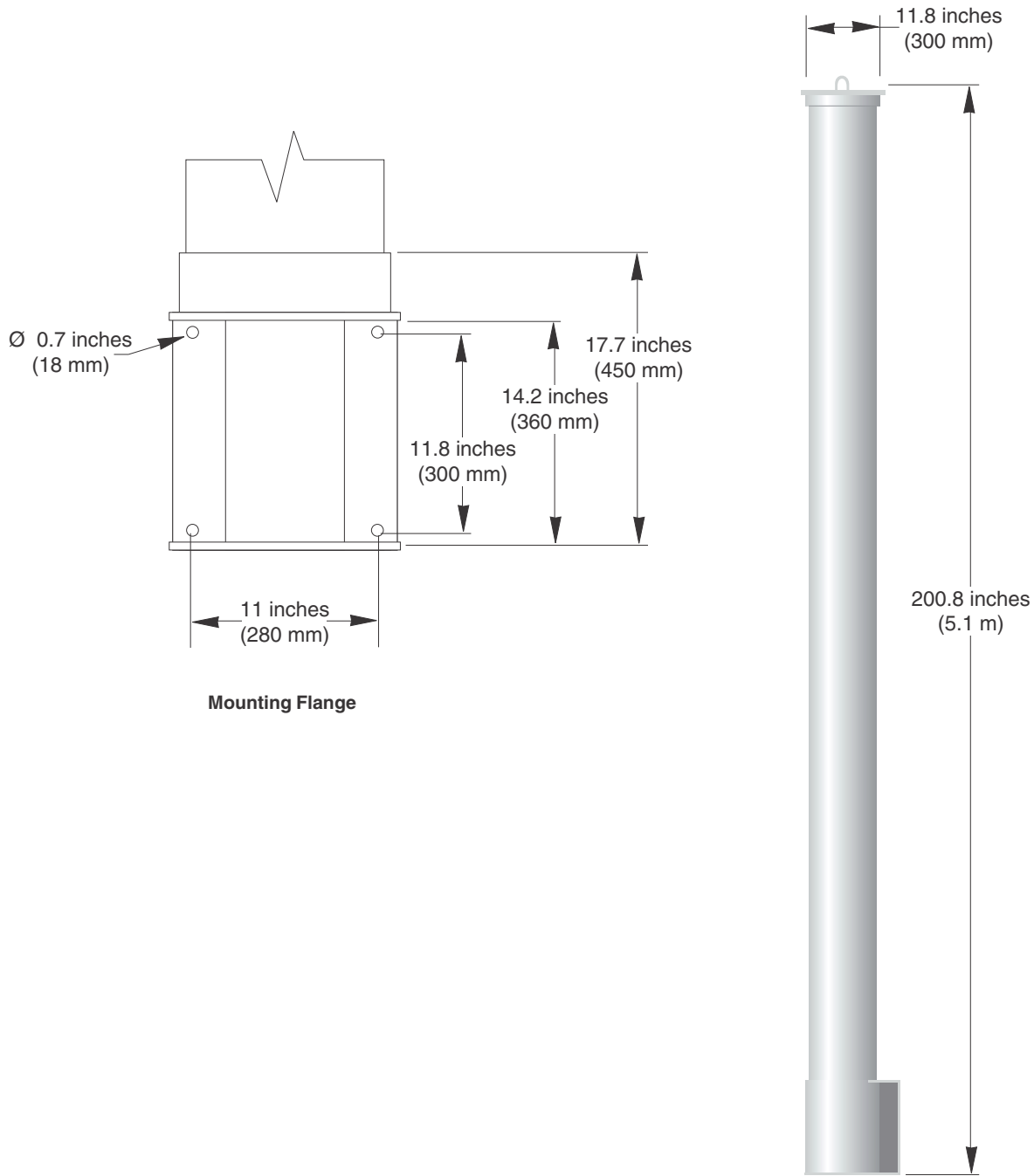


Elevation pattern (H-plane)



10501-B

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Order Information:

Model	Description
771-304	Antenna with 1 5/8 inch EIA female flange connector

All specifications are subject to change without notice