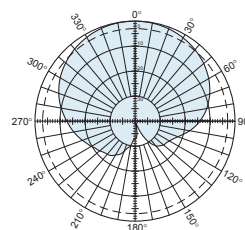


	Antenna 1
Single Band (MHz)	1710–2690
Dual Polarization	X
HPBW	85°
Adj. Electrical Downtilt Manual, or optional remote control	2°–10°

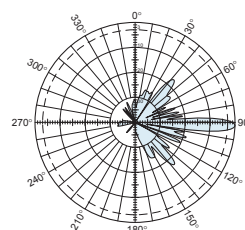
General specifications:

Frequency range	1710–2690 MHz
VSWR	<1.5:1
Impedance	50 ohms
Intermodulation (2x20w)	IM3: <-150 dBc
Polarization	+45° and -45°
Connector	2 x 7-16 DIN female
Electrical downtilt	2°–10° (continuously adjustable)
Isolation, between ports	>30 dB
Maximum input power	300 watts (at 50°C) per input
Weight	10.1 lb (4.6 kg) 14.6 lb (6.6 kg) clamps included
Dimensions	54.6 x 6.1 x 2.7 inches (1388 x 155 x 69 mm)
Wind load Front/Side/Rear	at 93 mph (150kph) 81 lbf / 23 lbf / 84 lbf (360 N) / (100 N) / (370 N)
Mounting category	M (Medium)
Wind survival rating*	120 mph (200 kph)
Shipping dimensions	65.2 x 6.8 x 3.6 inches (1655 x 172 x 92 mm)
Mounting	Fixed mounts for 2 to 4.6 inch (50 to 115 mm) OD masts are included and tilt options are available.

See reverse for order information.



Horizontal pattern
±45°- polarization

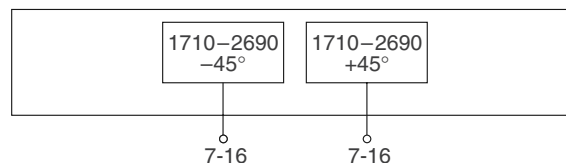


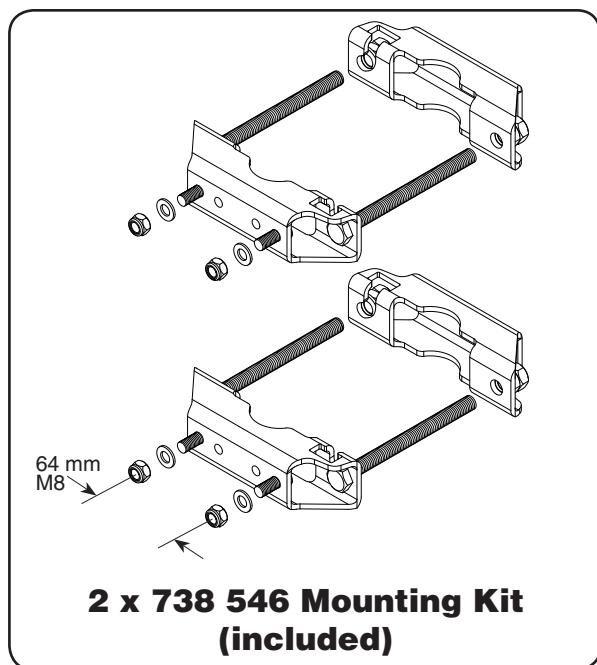
Vertical pattern
±45°- polarization
2°–10° electrical downtilt



Specifications:	1710–1990 MHz	1920–2200 MHz	2200–2490 MHz	2490–2690 MHz
Gain	16.4 dBi	16.6 dBi	17 dBi	17.2 dBi
+45° and -45° polarization horizontal beamwidth	83° (half-power)	84° (half-power)	85° (half-power)	83° (half-power)
+45° and -45° polarization vertical beamwidth	6.9° (half-power)	6.5° (half-power)	6.1° (half-power)	5.5° (half-power)
Front-to-back ratio (co-polar)	>25 dB	>24 dB	>23 dB	>22 dB
Sidelobe suppression for first sidelobe above main beam	2° 6° 10° T ≥17 18 18 dB	2° 6° 10° T ≥18 18 17 dB	2° 6° 10° T ≥17 17 17 dB	2° 6° 10° T ≥18 18 18 dB
Cross polar ratio Sector	0° 24 dB (typical) ±60° >12 dB	25 dB (typical) >12 dB	22 dB (typical) >10 dB	22 dB (typical) >10 dB

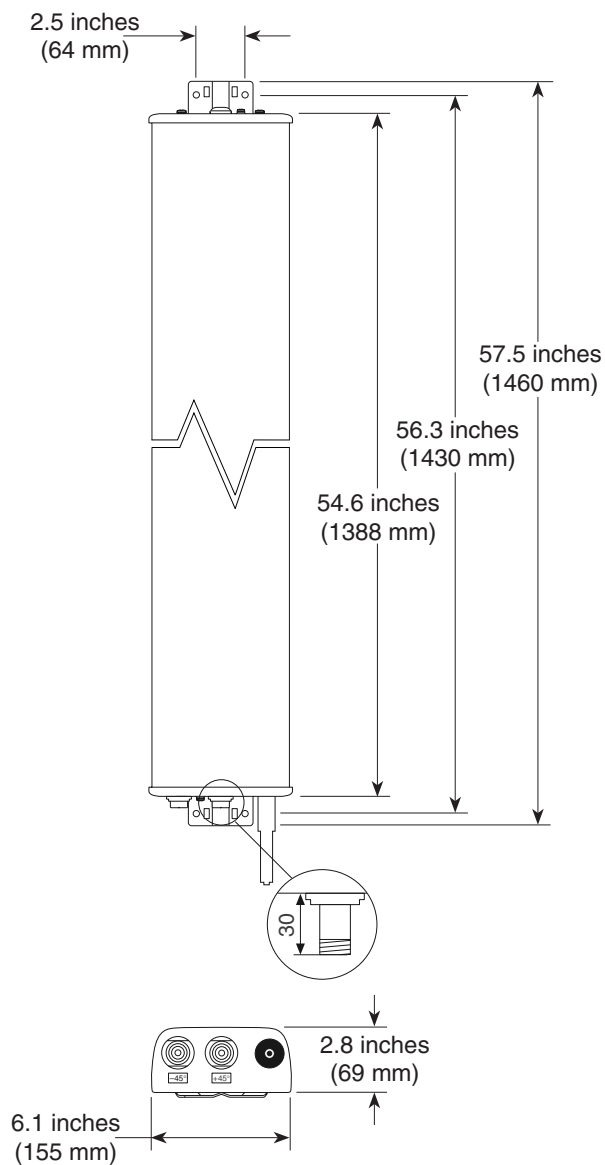
* Mechanical design is based on environmental conditions as stipulated in EIA-222-G-2 (December 2009) and/or ETS 300 019-1-4 which include the static mechanical load imposed on an antenna by wind at maximum velocity. See the Engineering Section of the catalog for further details.





Mounting Options:

Model	Description
2 x 738 546 (included)	Mounting Kit for 2 to 4.6 inch (50 to 115 mm) OD mast. 4.4 lb (2 kg)
850 10013	Tilt Mount Kit 0–15 degrees downtilt angle.



Order Information:

Model	Description
800 10679	Antenna with 2 x 7-16 DIN connectors

All specifications are subject to change without notice. The latest specifications are available at www.kathrein-scala.com.

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