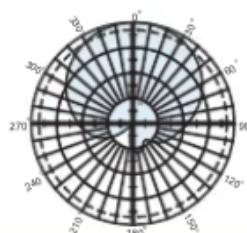
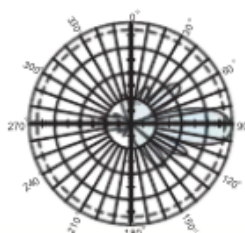


65° Triple Band Panel Antenna

	Antenna 1	Antenna 2	Antenna 3
Triple Band (MHz)	698–960	1710–2690	1710–2690
Dual Polarization	X	X	X
HPBW	65°	65°	65°
Adj. Electrical Downtilt Remote control	2°–16°	2°–12°	2.5°–12°

General specifications:

Frequency range	698–960 MHz 1710–2690 MHz
Impedance	50 ohms
VSWR	<1.5:1
Intermodulation (2x20w)	IM3: <-150 dBc
Polarization	+45° and -45°
Connector	6 x 7-16 DIN female
Adjustment mechanism	Flex RET (continuously adjustable)
Certification	FCC 15.107 Class B Computing Devices
Weight	55.1 lb (25 kg) 59.5 lb (27 kg) clamps included
Dimensions (approx.)	55.2 x 14.8 x 6.7 inches (1402 x 377 x 169 mm)
Wind load Front/Side/Rear	at 93 mph (150kph) 189 lbf / 63 lbf / 196 lbf (840 N) / (280 N) / (870 N)
Mounting category	M (Medium)
Wind survival rating*	120 mph (200 kph)
Mounting	Fixed mounts for 2 to 4.6 inch (50 to 115 mm) OD masts are included and tilt options are available.

698–960 MHz

 Horizontal pattern
±45°-polarization

 Vertical pattern
±45°-polarization
2°–16° electrical downtilt


Specifications:	698–820 MHz	790–862 MHz	824–894 MHz	880–960 MHz
Gain	2° 9° 16° T 14 13.9 13.8 dBi	2° 9° 16° T 14.3 14.2 14 dBi	2° 9° 16° T 14.4 14.3 14.1 dBi	2° 9° 16° T 14.7 14.6 14.2 dBi
Front-to-back ratio	>26 dB (co-polar)	>26 dB (co-polar)	>26 dB (co-polar)	>27 dB (co-polar)
+45° and -45° polarization horizontal beamwidth	69° (half-power)	67° (half-power)	66° (half-power)	65° (half-power)
+45° and -45° polarization vertical beamwidth	17.2° (half-power)	16° (half-power)	15.4° (half-power)	14.4° (half-power)
Electrical downtilt continuously adjustable	2°–16° (remote control)	2°–16°	2°–16°	2°–16°
Min. sidelobe suppression for first sidelobe above main beam	2° 9° 16° T 17 15 15 dB	2° 9° 16° T 18 16 16 dB	2° 9° 16° T 18 17 16 dB	2° 9° 16° T 18 17 16 dB
Cross polar ratio				
Main direction	0°	0°	0°	0°
Sector	±60°	±60°	±60°	±60°
	25 dB (typical) >8 dB	25 dB (typical) >8 dB	25 dB (typical) >8 dB	25 dB (typical) >8 dB
Maximum input power (at 50°C)	500 watts (per input) 1000 watts (total power)			
Isolation intrasystem	>30 dB			
intersystem	>30 dB (698–960 // 1710–2690 MHz) >30 dB (1710–2690 // 1710–2690 MHz)			



* Mechanical design is based on environmental conditions as stipulated in TIA-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.

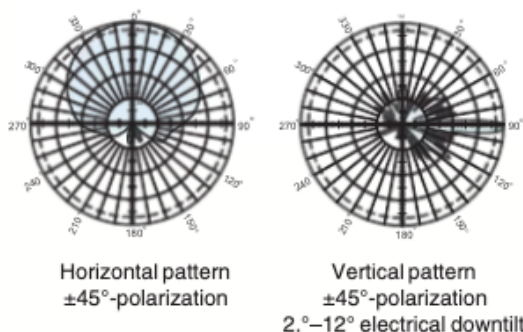
 11454-FRO/a
 936.A2995/h

65° Triple Band Panel Antenna

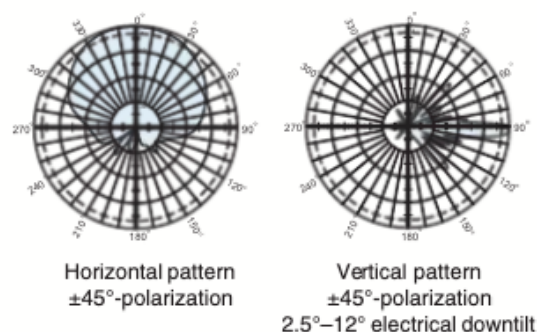
Specifications : left side	1710–1880 MHz	1850–1990 MHz	1920–2170 MHz	2300–2400 MHz	2490–2690 MHz
Gain	2° 7° 12° T 17.3 17.2 17 dBi	2° 7° 12° T 17.8 17.7 17.3 dBi	2° 7° 12° T 18 17.9 17.4 dBi	2° 7° 12° T 17.7 17.5 17.2 dBi	2° 7° 12° T 17.6 17.7 17.4 dBi
Front-to-back ratio	>26 dB (co-polar)	>27 dB (co-polar)	>27 dB (co-polar)	>27 dB (co-polar)	>25 dB (co-polar)
+45° and -45° polarization horizontal beamwidth	65° (half-power)	63° (half-power)	63° (half-power)	63° (half-power)	66° (half-power)
+45° and -45° polarization vertical beamwidth	6.6° (half-power)	6.2° (half-power)	5.9° (half-power)	5.2° (half-power)	4.8° (half-power)
Electrical downtilt continuously adjustable	2°–12°	2°–12°	2°–12°	2°–12°	2°–12°
Min. sidelobe suppression for first sidelobe above main beam	2° 7° 12° T 18 17 17 dB	2° 7° 12° T 18 18 16 dB	2° 7° 12° T 18 18 17 dB	2° 7° 12° T 18 17 17 dB	2° 7° 12° T 18 17 15 dB
Cross polar ratio					
Main direction 0°	17 dB (typical)	22 dB (typical)	23 dB (typical)	18 dB (typical)	16 dB (typical)
Sector ±60°	>8 dB	>8 dB	>10 dB	>8 dB	>8 dB
Maximum input power (at 50°C)	200 watts (per input) 400 watts (total power)				
Isolation intrasystem	>28 dB				
intersystem	>30 dB (698–960 // 1710–2690 MHz) >30 dB (1710–2690 // 1710–2690 MHz)				

Specifications : right side	1710–1880 MHz	1850–1990 MHz	1920–2170 MHz	2300–2400 MHz	2490–2690 MHz
Gain	2.5° 7° 12° T 17.1 17.1 17 dBi	2.5° 7° 12° T 17.3 17.4 17.2 dBi	2.5° 7° 12° T 17.5 17.8 17.6 dBi	2.5° 7° 12° T 17.6 18 17.8 dBi	2.5° 7° 12° T 18 18.5 17.7 dBi
Front-to-back ratio	>26 dB (co-polar)	>27 dB (co-polar)	>27 dB (co-polar)	>28 dB (co-polar)	>28 dB (co-polar)
+45° and -45° polarization horizontal beamwidth	67° (half-power)	65° (half-power)	65° (half-power)	66° (half-power)	62° (half-power)
+45° and -45° polarization vertical beamwidth	7.2° (half-power)	6.8° (half-power)	6.4° (half-power)	5.6° (half-power)	5° (half-power)
Electrical downtilt continuously adjustable	2.5°–12°	2.5°–12°	2.5°–12°	2.5°–12°	2.5°–12°
Sidelobe suppression for first sidelobe above main beam	2.5° 7° 12° T 16 16 17 dB	2.5° 7° 12° T 18 17 18 dB	2.5° 7° 12° T 17 16 18 dB	2.5° 7° 12° T 17 15 16 dB	2.5° 7° 12° T 17 15 15 dB
Cross polar ratio					
Main direction 0°	17 dB (typical)	19 dB (typical)	19 dB (typical)	18 dB (typical)	19 dB (typical)
Sector ±60°	>8 dB	>8 dB	>10 dB	>10 dB	>8 dB
Maximum input power (at 50°C)	200 watts (per input) 400 watts (total power)				
Isolation intrasystem	>28 dB				
intersystem	>30 dB (698–960 // 1710–2690 MHz) >30 dB (1710–2690 // 1710–2690 MHz)				

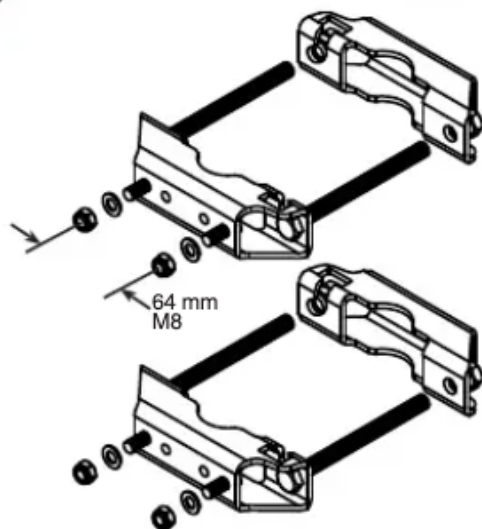
1710–2690 MHz left side (Y1)



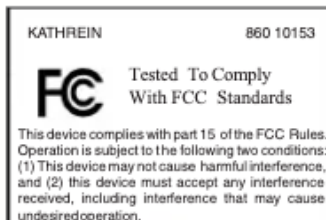
1710–2690 MHz right side (Y2)



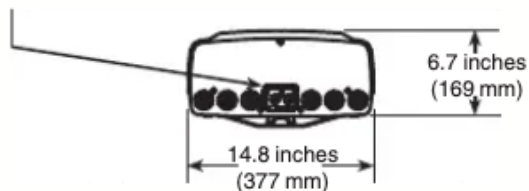
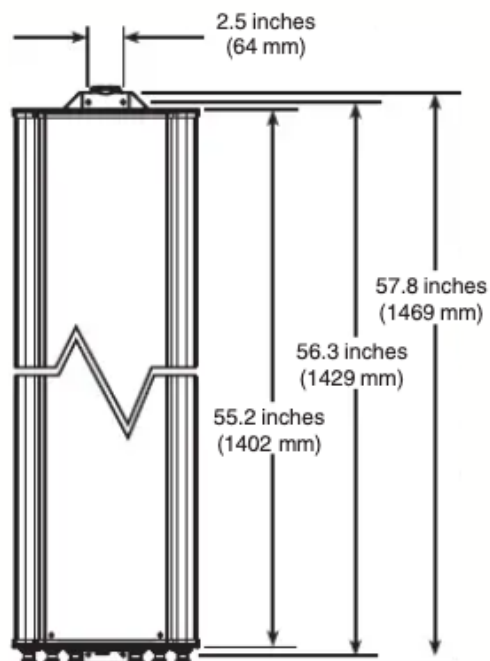
65° Triple Band Panel Antenna



**2 x 738 546 Mounting Kit
(included)**

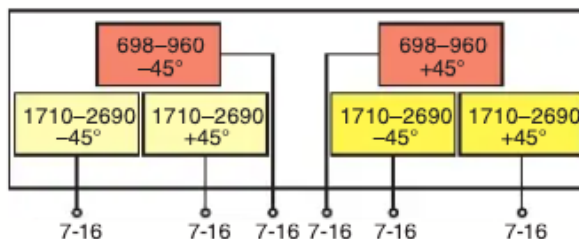


Note: Refer to part number 860 10153 for the specifications of the remote control actuator.



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. 7.4 lb (3.7 kg)



Order Information:

Model	Description
800 10864	Triple band panel antenna

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