

Model 6018 FM Panel Antenna

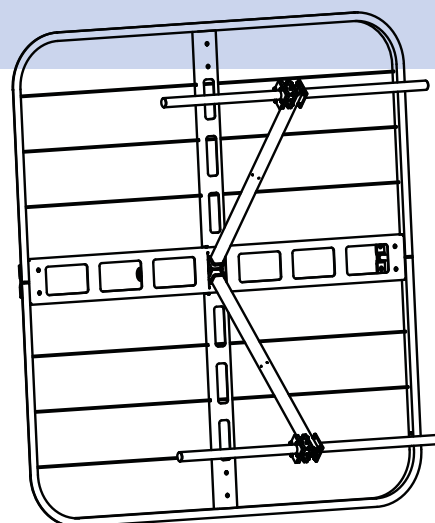
Linear polarization, either vertical or horizontal.

5 kW average power input per radiator.

50 kW peak input per radiator.

Shively standard features:

- Broadband across 87.5 - 108 MHz.
- Low-windload design with excellent strength-to-windload ratio
- Stainless steel construction for minimum maintenance
- Array can be easily designed using standard power dividers.
- Easy installation to customer-supplied outrigged 2-3/8 - 3-1/2 inch (6.0 - 8.9 cm) OD pole



Performance specifications:

- Polarization: Horizontal or vertical
- Power rating: 1-5/8" power divider input: 5 kW per panel up to 12 kW
3-1/8" power divider input: 5 kW per panel up to 30 kW
- VSWR: < 1.15:1 across 87.5 - 108 MHz
- Impedance: 50 Ω
- Input connection: 7/8 EIA female

Electrical specifications:

No. Levels	Elevation Gain	
	Power	dB
1	0.92	-0.36
2	1.98	2.97
3	3.10	4.91
4	4.24	6.27
5	5.40	7.32
6	6.56	8.17

Mechanical specifications:

(Per panel - does not include mounting poles or feed system)

Panel Dimensions	Weight	Windload at 95 mph wind speed
87 in x 80 in (221 cm x 203 cm)	130 lb (59 kg)	Approx 225 lb (102 kg)

Notes:

1. Mounts are designed to fit a vertically or horizontally outrigged pole, to be provided and installed by the customer.
2. Elevation gains are calculated at 98 MHz. Azimuth patterns and azimuth gains are for reference only and are dependent on installation.
3. Windload is calculated in accordance with TIA-222-G for one panel - no mounts or feedsystem - and is subject to design revision. Contact factory.
4. Ask for technical assistance if you are planning to mount panels on AM towers or at altitudes above 3000 ft (915 m) AMSL.

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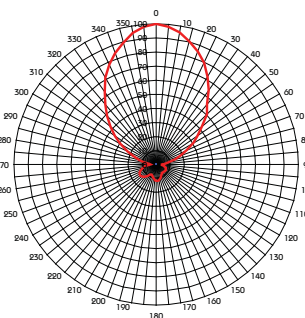
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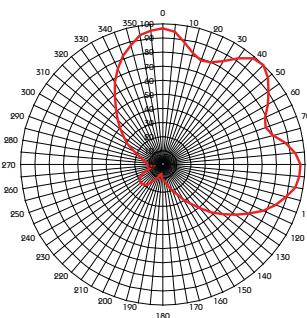
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Certified to ISO-9001

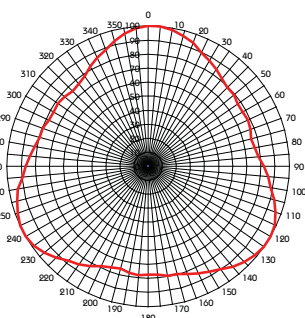
Horizontal azimuth patterns - for reference only



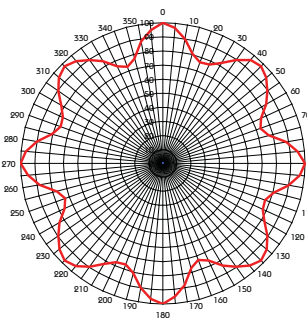
1-Around (gain 7.1 dB)



2-Around (gain 4.0 dB)



3-Around (gain 1.6 dB)



4-Around (gain 1.5 dB)