LOG R FM

Vertically or Horizontally Polarized (field selectable) Directional, Log Periodic Broadband FM Antenna 87.5 – 108 MHz

- Lightning Protection – All metal parts DC grounded
- Compact & lightweight – can be disassembled for shipping and ease of field assembly
- Excellent front to back ratio
- Null fill, beam tilt and custom applications upon request

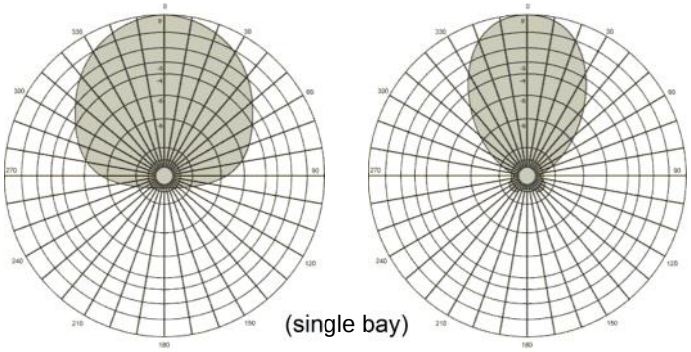
Impedance: 50 Ohm
Pattern: Directional
Max VSWR: < 1.2:1
Front to back ratio: > 20 dB
Construction: Aluminum & Steel

Input connector: “N” Type female or 7-16 Type female (on each individual bay)
Power rating for each individual bay): 550 W for "N" type version; 1100 W for 7-16 type version
Gain: (for each individual bay) 6.3 dBd, 8.44 dBi, Power Gain 4.3
Bracket: Can clamp on supports 1” to 3“ (25 mm to 7.62 mm) diameter
Typical center to center distance: (in multi-bay arrays) 8 1/2 ft (2.6 meter)
Approximate dimensions: (per bay) 56” x 68 ½” x 3 ½” (1422mm x 1740mm x 89mm)
Typical boxed size: (per bay) 6” x 6” x 63” (152mm x 152mm x 1600mm)
Typical weight: (per bay) 10 Lbs / 4.5 Kg (boxed)

Number of Bays	Gain (dbd)	Power Gain	Gain dBi	PWR Rating N Version	PWR Rating 7-16 Version	Vertical Height ft / m.	Req. (*) Vertical Tower Space ft/ m.
1	6.3	4.3	8.4	550 W	1100 W	5’ 8” / 1.74	14’ 4” / 4.37
2	9.3	8.5	11.4	1 kW	2 kW	14’ 3 / 4.34	22’ 10” / 6.97
3	11.1	12.8	13.2	1.5 kW	3 kW	22’ 9” / 6.94	31’ 5” / 9.57
4	12.3	17	14.4	2 kW	4 kW	31’ 3 / 9.54	39’ 11’ / 12.17
5	13.3	21.3	15.4	2.5 kW	5 kW	39’ 10” / 12.14	48’ 5” / 14.77
6	14.1	25.6	16.2	3 kW	6 kW	48’ 4” / 14.74	57’ / 17.37
8	15.3	34.1	17.4	4 kW	8 kW	65” 5’ / 19.94	74’ / 22.57

Values shown are typical. Actual values may vary with each specific installation. Attenuation of connecting cables not taken into account. Gain will be affected if null fill, beam tilt or special wavelength spacing is required. If antenna is side mounted, the supporting structure will have a slight effect on radiation pattern and on VSWR. Contact us with details of your installation for customized data. Total tower space recommended allows 5 ft (1.5 m) of clear tower space above and below the mounting area to protect from pattern interference by other antennas. On all multi-bay arrays, we suggest extending support pipe 5 ft (1.5 m) above the top bay and below the bottom bay.

Typical H Plane Pattern



Typical E Plane Pattern

(single bay)

For more information contact *BEXT* Inc San Diego CA USA · Tel 619 2398462 Fax 619 2398474 · www.bext.com · e-mail: bext@bext.com