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XTREMEWAVE™ SERIES

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1.9 GHz, 2.4 GHz, 2.5 GHz and 5.8 GHz omnidirectional Base Station Antennas for PCS, MMDS, ISM, 802.11a, 802.11b and 802.11g Applications



The MAXRAD XtremeWave™ wireless broadband omnidirectional antennas are designed to provide maximum performance and reliability under the toughest weather conditions. These antennas feature a U.V. stable, vented radome that provides ultimate protection against weather elements. The line includes MMDS, ISM, UNII and PCS models with gains ranging from 4 to 12 dBi. These antennas can be mast, wall or ceiling mounted.

Features:

- U.V. stable, pultruded fiberglass radome. Allows outdoor installation even in harsh climates.
- Vented system design. Provides reliable performance by protecting the electrical design against extreme moisture and/or temperatures.
- Thread relief on connector.(all models, except MFB24012 and MFB58009PTNM which have pigtails). Improved accessibility for taping reduces installation time and improves overall effectiveness.
- Internal o-ring seal in the base of the antenna with integrated connector at the base. Assures a watertight seal to prevent water from migrating into the antenna connector (all models, except MFB24012 which has a pigtail.)
- Electrical downtilt options on select models. Provide system planners flexibility in challenging operating environments.

[Buy Online: Click here to view available models.](#)

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General
SPECIFICA

Lightning Protect
Select Models are with DC grounding electrical specifica options.

Mounting Base D
1.25 inches (all mc MFB24012) 1.5 inc MFB24012)

Mounting Method
MMK1924 –L-brac for wall or pipe mo recommended for use with model

MMK8 -Aluminum bracket for mast m
MMK11 -Ceiling m

MMK12 - Heavy d for mast mounting
MFB24012
MMK14 - light duty clamp for MFB240

Nominal Impedan
50 ohms

Polarization:
Vertical

Radome Material:
UV resistant pultru fiberglass

Termination:
N female standard GHz models, exce MFB24012 N fema polarity and revers connectors options: 213 pigtail with N f connector for mod MFB24012 only 5' pigtail with N male for model MFB580



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Electrical Specifications:

1.9 GHz, 2.4 GHz, 2.5 GHz and 5.8 GHz omnidirectional Base Station Antennas for PCS, MMDS, ISM 802.11b and 802.11g Applications

Model #	Bandwidth	Frequency Range	Gain	Grounding	Maximum Power	Vertical Beamwidth	VSWR
MFB19008A	@1.5:1 VSWR 140 MHz	1850-1990 MHz	8 dBi	None	25 Watts	@1/2 Power 12°	<1.5:1
MFB24004	@1.5:1 VSWR 100 MHz	2400- 2483.5 MHz	4 dBi	None	25 Watts	@1/2 Power 30°	<1.5:1
MFB24006	@1.5:1 VSWR 100 MHz	2400- 2483.5 MHz	6 dBi	None	25 Watts	@1/2 Power 20°	<1.5:1
MFB24008	@1.5:1 VSWR 100 MHz	2400- 2483.5 MHz	8 dBi	Only on models with electrical downtilt.	25 Watts	@1/2 Power 13°	<1.5:1
MFB24008DT12	100 MHz	2400- 2483.5 MHz	8 dBi	For DC grounding option, add "DC" to part number.	25 Watts	@1/2 Power 13°	<1.5:1
MFB24008DT3	@1.5:1 VSWR 100 MHz	2400- 2483.5 MHz	8 dBi	For DC grounding option, add "DC" to the part number.	25 Watts	@1/2 Power 13°	<1.5:1
MFB24008DT5	@1.5:1 VSWR 100 MHz	2400- 2483.5 MHz	8 dBi	For DC grounding option, add "DC" to the part number.	25 Watts	@1/2 Power 13°	<1.5:1
MFB24008DT7	@1.5:1 VSWR 100 MHz	2400- 2483.5 MHz	8 dBi	For DC grounding option, add "DC" to the part number.	25 Watts	@1/2 Power 13°	<1.5:1
MFB24010	@1.5:1 VSWR 100 MHz	2400- 2483.5 MHz	10 dBi	For DC grounding option, add "DC" to the part number.	25 Watts	@1/2 Power 9°	<1.5:1
MFB24012	@ 1.5:1 VSWR 100 MHz	2400-2500 MHz	12 dBi	None	25 Watts	@ 1/2 Power 7°	<1.5:1
	@ 1.5:1	-----				-----	

MFB25007	VSWR 200 MHz	2500-2700 MHz	7 dBi	None	25 Watts	@1/2 Power 13°	<1.5:1
MFB25007DT3	@1.5:1 VSWR 200 MHz	2500-2700 MHz	7 dBi	None	25 Watts	@1/2 Power 13°	<1.5:1
MFB51510	200 MHz	5150-5350 MHz	10 dBi	For DC grounding option, add "DC" to the part number.	25 Watts	7°	< 1.8:1
MFB58009	@1.5:1 VSWR 150 MHz	5725-5875 MHz	9 dBi	None	25 Watts	@1/2 Power 8°	<1.5:1
MFB58009PTNM	100 MHz	5725-5825 MHz	9 dBi	None	25 Watts	6°	< 1.5:1
MFB58010	100 MHz	5725-5825 MHz	10 dBi	For DC grounding option, add "DC" to the part number.	25 Watts	6°	< 1.5:1

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