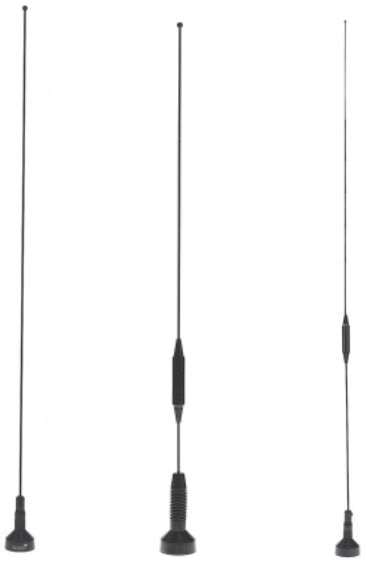

(B)MAXMFT (B)MAX150/450 (B)MAX455

(B)MAXSCAN1000 BMAX824/1850 BMAX8155S

BMAXC233805

BMAXC Antennas

Molded Base Antennas

These antennas feature a rugged molded polymer base, plated spring-loaded contact pin and .100" diameter stainless steel whip for long-lasting, trouble-free operation. Models are available with open or closed coil rod, and can be ordered in all black finish. This series offers models for many types of wireless applications, including WiFi and WiMAX mobility, VHF and UHF land mobile radio, 700 Public Safety, 800 MHz and 900 MHz digital radio and AMPS/PCS voice/data support.

Features

- Molded polymer base provides ruggedness and durability in harsh mobile environments.
- Wideband performance (Wi-Fi and WiMAX models) provide coverage of 2.2 GHz to 2.9 GHz frequencies without tuning. WiMAX model covers 2.3-3.8 GHz frequencies.
- 3 dB or 5 dB models available for most frequency ranges
- Most models available in bright chrome or black finish
- Antenna is ready to install; no rod cutting is required (unless otherwise noted)
- Designed to mate with all 1-1/8"-18 thread mounts, including 3/4" mounts
- Spring-loaded gold plated contact pin

PCTEL

Technical Data

Maximum Power: 200 watts(VHF models) 150 watts (UHF models) 100 watts (all other models)
Polarization: Vertical
Nominal Impedance: 50 ohms
VSWR at Resonance: < 1.5:1 (Most models, except as noted below) < 1.9:1 (MAX7635S only) < 2.0:1 [(B)MAX150/450(S) and (B)MAX140/440(S)]
Radiator Material: .100" OD stainless steel; bright (MAXC) or black finish (BMAXC) .062" diameter black stainless steel
Spring: Stainless steel; bright or black finish (not all options available with every model)
Base Coil Housing: Molded polymer with a plated insert ring and a spring-loaded contact pin
Phasing Coil Housing: Molded polymer jacket with copper, nickel and chrome plated bushing
Rod Ferrule: 5/16" -24 thread; bright or black chrome plated finish
Mount Method: Mates with all 1-1/8"-18 thread mounts, including 3/4" mounts

For detailed specifications, visit **http://antenna.pctel.com**.

Antenna Electrical Specifications

Model	Frequency Range	Factory Tuned Frequency	Gain	Rod Type
(B)MAXMFT(S)**	118-940 MHz	Field Tunable	Unity	Straight
(B)MAX150D(S)	150-174 MHz	160 MHz	Unity	Collinear/Open
BMAX150/450(S)	150-174 MHz/450-470 MHz	160/460 MHz	Unity	Collinear/Closed
(B)MAXSCAN1000(S)	150-174 MHz/450-470 MHz/800-840 MHz	160 MHz/460 MHz/ n/a	Unity	Collinear/Closed
MAX455	450-470 MHz	Field Tunable	5 dB	Collinear/Closed
(B)MAX7603S	760-870 MHz	815 MHz	3 dB	Collinear/Open
BMAX7633S	760-870 MHz	815 MHz	3 dB	Collinear/Closed
(B)MAX7635S	760-870 MHz	Broadband****	5 dB	Trilinear/Closed
(B)MAX8055(S)	806-866 MHz	815 MHz	5 dB	Trilinear/Closed
MAX8135(S)	806-866 MHz	815 MHz	5 dB	Trilinear/Open
(B)MAX8033(S)***	806-896 MHz	835 MHz	3 dB	Collinear/Closed
(B)MAX8053(S)	806-896 MHz	835 MHz	3 dB	Collinear/Open
BMAX8155S*	806-896 MHz	Broadband****	4.5 dB	Collinear/Closed
BMAX824/1850	824-896 MHz/1850-1990 MHz	Broadband****	2.2 dBi/4 dBi	Collinear/Open
(B)MAX8355(S)***	825-896 MHz	835 MHz	5 dB	Trilinear/Open
(B)MAX8375(S)	825-896 MHz	835 MHz	5 dB	Trilinear/Closed
(B)MAX9105(S)***	870-950 MHz	898 MHz	5 dB	Trilinear/Closed
BMAX9155S*	890-945 MHz	Broadband****	4.0 dB	Collinear/Closed
MAX9053	896-940 MHz	896 MHz	3 dB	Collinear/Open
MAX9075(S)	896-940 MHz	896 MHz	5 dB	Trilinear/Open
(B)MAX9085(S)	896-940 MHz	896 MHz	5 dB	Trilinear/Closed
(B)MAXC24503	2.2-2.9 GHz	Broadband****	3 dBi	Collinear/Closed
(B)MAXC24505	2.2-2.9 GHz	Broadband****	5 dBi	Collinear/Closed
BMAXC233805	2.3-3.8 GHz	Broadband****	5 dBi	Collinear/Closed

*** This model is only available in black with a spring.**
**** This is a field tunable model.**
***** Prefix "B" indicates black. Suffix "S" indicates spring. Spring available with black model only.**
****** Optimized across the entire specified frequency range.**

Mechanical Specifications

Model	Antenna Height at lowest frequency	Antenna Type
(B)MAXMFT(S)**	Approximately 26”	1/4 wave
(B)MAX150D(S)	Approximately 17”	1/4 wave
BMAX150/450(S)	Approximately 20”	1/4 wave/Collinear array
(B)MAXSCAN1000(S)	Approximately 21”	1/4 wave or Collinear array
MAX455	Approximately 33”	5/8 wave over a 1/2 wave
(B)MAX7603S	Approximately 14”	Wideband collinear
BMAX7633S	Approximately 14”	Wideband collinear
(B)MAX763S5	Approximately 25”	Dual 1/2 wave over a 1/4 wave
(B)MAX8055(S)	Approximately 24”	Dual 1/2 wave over a 1/4 wave
MAX8135(S)	Approximately 24”	Dual 1/2 wave over a 1/4 wave
(B)MAX8033(S)***	Approximately 13”	5/8 wave over a 1/4 wave
(B)MAX8053(S)	Approximately 13”	5/8 wave over a 1/4 wave
BMAX8155S*	Approximately 13”	Collinear array
BMAX824/1850	Approximately 12”	Dual Band Collinear
(B)MAX8355(S)***	Approximately 24”	Dual 1/2 wave over a 1/4 wave
(B)MAX8375(S)	Approximately 13”	5/8 wave over a 1/4 wave
(B)MAX9105(S)***	Approximately 23”	Dual 1/2 wave over a 1/4 wave
BMAX9155S*	Approximately 13”	Collinear array
MAX9053	Approximately 11”	5/8 wave over a 1/4 wave
MAX9075(S)	Approximately 23”	Dual 1/2 wave over a 1/4 wave
MAX9085(S)	Approximately 23”	Dual 1/2 wave over a 1/4 wave
(B)MAXC24503	5.25” (133.35 mm)	ISM mobile and WLAN
(B)MAXC24505	7.50” (190.50 mm)	ISM mobile and WLAN
BMAXC233805	4.75” (12.06 cm)	WiMAX mobile

*** This model is only available in black with a spring.**
**** This is a field tunable model.**
***** Prefix “B” indicates black. Suffix “S” indicates spring. Spring available with black model only.**