

VHF (LOW)

FREQUENCY 50 ± 0.5 MHz	FREQUENCY 75 ± 0.25 MHz
VSWR 2:1	VSWR 1.5:1
LENGTH 7.05"/179mm	LENGTH 8.46"/215mm
CONNECTOR BP	CONNECTOR BP
APPLICATION WAP Indoor	APPLICATION WAP Indoor

EM-P90008
Unity Gain

EM-P90012
Unity Gain

Adjustable Telescopic

FREQUENCY 118-174 MHz Tunable
VSWR 2:1
LENGTH 8.43"/214mm
CONNECTOR BP
APPLICATION WAP Indoor

EM-P90007
Unity Gain

FREQUENCY 150-160 MHz
VSWR 1.8:1
BANDWIDTH 10 MHz
LENGTH 7.5"/191mm
CONNECTOR 0° & 90°, BP
APPLICATION WAP Indoor

EM-P90011
2 dBi Gain

FREQUENCY 136-174 MHz
VSWR 2:1
BANDWIDTH 38 MHz
LENGTH 7.9"/200mm
CONNECTOR SF, SFK, SM
APPLICATION Portable Radio

EM-P90810
Unity Gain

FREQUENCY 150-174 MHz
VSWR 2:1
BANDWIDTH 24 MHz
LENGTH 11.19"/284mm
CONNECTOR SM, SF, SFK
APPLICATION Portable Radio

EM-P90918
Unity Gain

FREQUENCY •148-162 MHz •162-174 MHz
VSWR 2.5:1
BANDWIDTH •12 MHz •14 MHz
LENGTH 4.25"/108mm
CONNECTOR MD, SM, SF, SFK
APPLICATION Portable Radio

EM-P90013
Unity Gain

FREQUENCY 136-174 MHz Tunable
VSWR 2:1
BANDWIDTH 20 MHz
LENGTH 14.5"/368mm
CONNECTOR N, BNC
APPLICATION Portable Radio /WAP Indoor

EM-P90014
Unity Gain

Field Tunable

FREQUENCY 450-470 MHz
VSWR 2:1
BANDWIDTH 20 MHz
LENGTH 8.0"/203mm
CONNECTOR 0° & 90°, BP
APPLICATION WAP Indoor

EM-P90009
2 dBi Gain

FREQUENCY •380-520 •698-870 MHz •GPS (LI)
VSWR 2:1
BANDWIDTH •140 MHz •172 MHz
LENGTH 5.0"/127mm
CONNECTOR SF
APPLICATION Portable Radio

EM-PG91201
2 dBi Gain

UHF

FREQUENCY 806-869 MHz
VSWR 2:1
BANDWIDTH 63 MHz
LENGTH 9.8"/248mm
CONNECTOR 0° & 90°, BP
APPLICATION WAP Indoor

EM-P90107
2 dBi Gain

FREQUENCY 806-869 MHz
VSWR 2:1
BANDWIDTH 63 MHz
LENGTH 2.1"/54mm
CONNECTOR SMA
APPLICATION Portable Radio

EM-P90108
Unity Gain

FREQUENCY 698-870 MHz
VSWR 2:1
BANDWIDTH 172 MHz
LENGTH 6.6"/168mm max.
CONNECTOR MD, SF, SM
APPLICATION Portable Radio

EM-P90110
3 dBi Gain

FREQUENCY 698-870 MHz
VSWR 2:1
BANDWIDTH 172 MHz
LENGTH 4.4"/111mm max.
CONNECTOR MD, SF, SFX
APPLICATION Portable Radio

EM-P90111
1/4 Wave / 2 dBi Gain

FREQUENCY •698-960 •1710-2170 •2500-2700 MHz
VSWR 2:1
BANDWIDTH •262 MHz •460 MHz •200 MHz
LENGTH 9.33"/237mm
CONNECTOR 0 & 90° Type SM, SR
APPLICATION WAP Indoor

EM-P92201
1 dBi, 2 dBi, 3 dBi Gain

LTE

900 MHz

FREQUENCY 902-928 MHz
VSWR 2:1
BANDWIDTH 26 MHz
LENGTH 7.7"/196mm
CONNECTOR TR
APPLICATION WAP Indoor

EM-P90102
2 dBi Gain

FREQUENCY 890-960 MHz
VSWR 2:1
BANDWIDTH 70 MHz
LENGTH 5.9"/150mm
CONNECTOR MD, SF
APPLICATION Portable Radio

EM-P90220
3 dBi Gain

FREQUENCY •824-896 MHz •890-960 MHz
VSWR 2:1
BANDWIDTH •72 MHz •70 MHz
LENGTH 7.7"/196mm
CONNECTOR Straight Type SM, SR
APPLICATION WAP Indoor/ Outdoor

EM-P90112
2 dBi Gain

FREQUENCY 890-960 MHz
VSWR 2:1
BANDWIDTH 70 MHz
LENGTH 6.3"/160mm
CONNECTOR RA Type - SM, SR, BP, TP, TR
APPLICATION WAP Indoor/ Outdoor

EM-P90113
2.5 dBi Gain

FREQUENCY 890-960 MHz
VSWR 2:1
BANDWIDTH 70 MHz
LENGTH 7.5"/190mm
CONNECTOR 0 & 90° Type SM, SR, BP, TP, TR
APPLICATION WAP Indoor

EM-P90114
2 dBi Gain

FREQUENCY 2.4-2.5 GHz
VSWR 2:1
BANDWIDTH 100 MHz
LENGTH 5.38"/137mm
CONNECTOR SR
APPLICATION WAP Indoor

EM-P90402
2 dBi Gain

FREQUENCY 2.4-2.5 GHz
VSWR 2:1
BANDWIDTH 100 MHz
LENGTH 7.36"/187mm
CONNECTOR TR
APPLICATION WAP Indoor

EM-P90404
5 dBi Gain

FREQUENCY 4.95-4.99 GHz
VSWR 1.5:1
BANDWIDTH 40 MHz
LENGTH 7.36"/187mm
CONNECTOR TP
APPLICATION WAP Indoor

EM-P90702
5 dBi Gain

FREQUENCY 5.735-5.835 GHz
VSWR 1.5:1
BANDWIDTH 100 MHz
LENGTH 7.36"/187mm
CONNECTOR TR
APPLICATION WAP Indoor

EM-P90703
4.5 dBi Gain

FREQUENCY •2.4-2.5 GHz •4.9-5.35 GHz •5.725-5.85 GHz
VSWR 2:1
BANDWIDTH •100 MHz •450 MHz •125 MHz
LENGTH 4.22"/108mm
CONNECTOR 0 & 90° Type SM, SR
APPLICATION WAP Indoor/ Outdoor

EM-P92301
0 dBi Gain

Wi-Fi / WAN

FREQUENCY •135 MHz •750 MHz
VSWR 2:1
LENGTH 7.87"/200mm
CONNECTOR SM
APPLICATION Portable Radio

EM-P91101
Unity Gain

FREQUENCY •890-960 •1710-1990 MHz
VSWR 2:1
BANDWIDTH •70 MHz •280 MHz
LENGTH 3.6"/92.5mm
CONNECTOR RA Type - SM
APPLICATION WAP Indoor/ Outdoor

EM-P91002
Unity Gain

FREQUENCY •890-960 •1710-1990 MHz
VSWR 2:1
BANDWIDTH •70 MHz •280 MHz
LENGTH 3.0"/76mm
CONNECTOR Straight Type SM
APPLICATION WAP Indoor/ Outdoor

EM-P91003
Unity Gain

FREQUENCY •380-520 MHz •698-870 MHz
VSWR 2:1
BANDWIDTH •140 MHz •172 MHz
LENGTH 6.6"/168mm max.
CONNECTOR MD, SF, SM
APPLICATION Portable Radio

EM-P91201
2 dBi Gain

FREQUENCY •824-960 MHz •1710-2170 MHz
VSWR 2:1
BANDWIDTH •136 MHz •460 MHz
LENGTH 5.81"/148mm
CONNECTOR NP, SM, SR
APPLICATION WAP Indoor

EM-P92101
2 dBi Gain

FREQUENCY •698-960 MHz •1710-2700 MHz
VSWR 2:1
BANDWIDTH •262 MHz •990 MHz
LENGTH 7.32"/186mm
CONNECTOR 0 & 90° Type SM, SR
APPLICATION WAP Indoor

EM-P92202
2 dBi, 3 dBi Gain



MD
(M7x1)



SFK
SMA (f) Kenwood™ Type



SF
SMA (f) Motorola™ Type



SM
SMA (m)



BP
BNC



NP
N



SR
SMA RP



TP
TNC (m)



TR
TNC RP Plug



Straight



Right Angle
0° & 90°



Right Angle
Fixed (RA)

"X"-NUT



Duplexer

- Designed for a utility monitoring application over a private advanced metering infrastructure system

Multi-Band GPS/GLNSS



Dual Purpose - NMO/GPS Combination 3/4" Hole Mount Assembly



EM-M20007 Poly-Band Antenna

for LTE and LMR 700/800 MHz NMO Applications

- Broadband/Multi-band Capacitive Coupled Design Simultaneously Optimizes LTE and LMR Signal Performance within a Low-Profile Tapered Form
- Flexible Elastomeric Polymer Housing Resists High Speed Impact Damage from Debris and Low Hanging Obstructions
- Dust and O-Ring Seals for Reliable High Pressure Car Wash and Ingress Resistance (IP66 & IP68)
- Rugged "All Brass" Construction with Black Chrome Finish and Silver Plated Contact Maximizing Conductivity and System Reliability

Patent Pending



E/M Wave, Inc. engineers and markets a growing line of unique mobile and fixed station communications antenna products. Our primary focus is to maximize the **Antenna Value** in every product to meet or exceed customer expectations! We incorporate unique quality features that deliver more **Value** that our customers can understand, experience, and appreciate. These are the attributes that set us apart from the competition. It's a **Quality** effort, and it's the right thing to do!

Portable Antenna Selection Guide



- VHF
- UHF
- Multi-Band
- WiFi/WAN
- 700/800/900 MHz

