

## **Heptaband<sup>™</sup> External Wireless Antennas**



## HEPTABAND™ EXTERNAL WIRELESS ANTENNA OFFERS **ULTIMATE BANDWIDTH WITH OVER SEVEN FREQUENCY RANGES**

Laird Heptaband portable wireless antennas provide excellent radio transmission characteristics while offering the ultra flexibility of more than seven bands in one profile. With operating frequencies of 815 - 885 MHz, 824 - 894 MHz, 880 - 960 MHz, 1427 - 1511 MHz, 1575 MHz, 1710 - 1880MHz, 1850 - 1990 MHz, 1920 - 2170 MHz, and 2400 - 2500 MHz, the antenna is the ideal choice when multiple bandwidths are required in various regional and global applications. Additionally, the blade style antenna features both knuckle and swivel snap-in or SMA/TNC/RPTNC connector options.

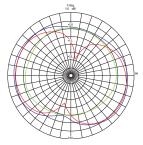
## FEATURES ✓ RoHS

- Operates simultaneously in more than seven frequency bands supporting -Cellular, Quadband GSM+UMTS/3G, GPS, AWS, WIFI, WLAN, and WISP
- Available in knuckle swivel snap or SMA/TNC/RPTNC connector options.
- Blade style external antenna measures only 6.33"

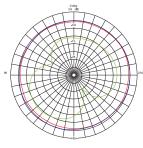
## **MARKETS**

- Wireless terminal
- Point-of-Sale
- · Machine to machine
- · Automatic meter reading
- Home security

ELECTRICAL	
Frequency Range:	815 - 885 MHz, 824 - 894 MHz, 880-960 MHz, 1427 - 1511 MHz, 1575 MHz, 1710-1880 MHz, 1850-1990 MHz, 1920-2170 MHz, 2400-2500 MHz
Gain	1 - 3 dBi
VSWR	<2.5:1
Polarization	Linear
Azimuth (3dB beamwidth)	Omnidirectional
Impedance	50 Ω
Temperature Range	-30° C to +50° C
Power	10 W
Mounting Style	Snap-in/Captive, SMA, RPSMA, TNC, RPTNC
Dimensions	6.3" x .36" (161mm x 9.3mm) with knuckle angle



TYPICAL ELEVATION PATTERN



TYPICAL AZIMUTH PATTERN

MODEL NUMBER	PART NO.	MOUNTING STYLE	COLOR
HEPTA-SM	MAF94300	SMA	Black
HEPTA-RSM	MAF94301	RP-SMA	Black
HEPTA-TN-G	MAF94302	TNC	Gray
HEPTA-RTN	MAF94303	RP-TNC	Black
HEPTA-IP04	MAF94304	SNAPIN/CAPTIVE, 100mm of RG178 coax with I-PEX connector	Black
HEPTA-MMCX04	MAF94305	SNAPIN/CAPTIVE, 100mm of RG178 coax MMCX connector	Black
HEPTA-FL04	MAF94306	SNAPIN/CAPTIVE, 100mm of RG178 coax flying lead	Black
HEPTA-TN	MAF94307	TNC	Black
HEPTA90-TN	MAF94309	TNC, Blade Angle - 90 degree	Black

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