



MULTI-BAND SURVIVOR™ (LTE, EVDO & GPS)

The Laird Technologies Multi-band Survivor™ is a rugged, high-performance multi-band vehicular antenna that covers the LTE, EVDO and GPS frequencies. It is designed to withstand demanding environments and maintain superior RF performance. The antenna can be shipped and installed on a vehicle with the LTE whip detached, and the whip can be installed at a later time (if needed).

LTE ELECTRICAL SPECIFICATIONS

AKIT-GPSS746MP-001	
LTE (BC12/BC14) Frequency Range	746 to 798 MHz
Efficiency	70%
Average Gain	0.5 dBi
VSWR	≤ 2.0:1
Nominal Impedance	50 Ohm
Polarization	Vertical
Typical Power Handling	10 W
Pattern	Omnidirectional

EVDO ELECTRICAL SPECIFICATIONS

AKIT-GPSS746MP-001		
EVDO 800/1900 Frequency Range	821 to 896 MHz, 1850 to 1990 MHz	
Efficiency	821-896 MHz	60%
	1850-1990 MHz	70%
Gain	3 dBi	
VSWR	≤ 2:1	
Nominal Impedance	50 Ohm	
Polarization	Vertical	
Typical Power Handling	10 W	
Pattern	Omnidirectional	

GPS ELECTRICAL SPECIFICATIONS

AKIT-GPSS746MP-001		
GPS Frequency	1575.42 MHz	
Zenith ±80° Efficiency	11 dB	
Gain	20 dB	
VSWR	≤ 2:1	
Nominal Impedance	50 Ohm	
Polarization	RHCP	
Supply Voltage	3.3 Vdc	
Noise Figure	2 dB	
Out of Band Rejection	740 to 870 MHz	65 dB
	1850 to 1910 MHz	
	2400 to 2500 MHz	
Two tone IIP2 with -20 dBm CW signals at 2405 and 829.58 MHz (dBm) @ 1575.42 MHz	-85 dBm	
2nd Harmonic product caused by input of +10 dBm CW signal @ 787.71 MHz (dBm) @ 1575.42 MHz	-80 dBm	

global solutions: local support™

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MECHANICAL SPECIFICATIONS

AKIT-GPSS746MP-001	
Antenna Height	41.8 cm (16.5")
Weight (Mass)	0.68 kg (1.5 lbs)
Base Dimensions (L x W x H)	15 cm x 9 cm x 8.5 cm (5.9" x 3.6" x 3.4")
Rated Wind Velocity	281 kph (175 mph)
Operating Temperature	-40°C / +70°C (-40°F / 158°F)
IP Rating	IP66
Material	ASA / PC Housing
Color	Black

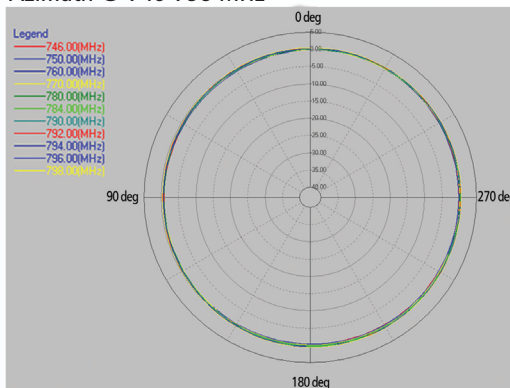
JUMPER SPECIFICATIONS

Jumper (Part Number)	LTE Jumper (CASMAM366AGSMA-001)	EVDO Jumper (CATNCM366AHSMA-001)
Cable Type	200	240
Cable Diameter	5.08 mm (0.200")	6.1 mm (0.240")
Cable Length	366 cm (12 ft)	366 cm (12 ft)
Connector Type 1	SMA - Male	TNC - Male
Connector Type 2	SMA - Female	SMA - Male

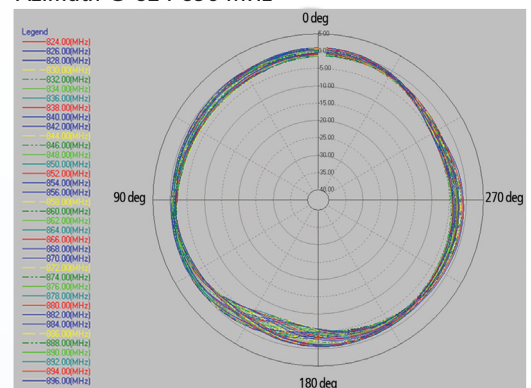
CABLE SPECIFICATIONS

CABLE SPECIFICATIONS	LTE (BC13/BC14)	EVDO800/1900	GPS1575.42
Cable Type	RG-316	RG-316	RG-174
Cable Diameter	2.43 mm (0.096")	2.43 (0.096")	2.62 (0.104")
Cable Length (cm)	17 cm (6.7")	20 cm (7.9")	366 cm (144")
Connector Type	SMA-Male	SMA-Female	SMA-Male

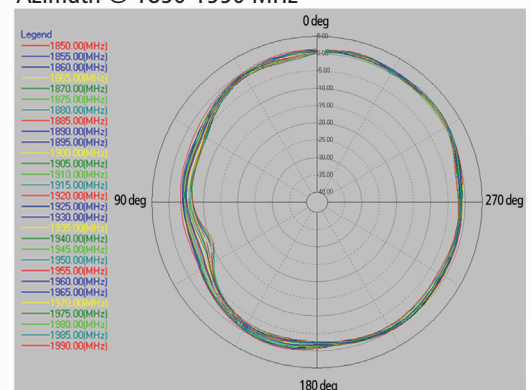
Azimuth @ 746-798 MHz



Azimuth @ 824-896 MHz



Azimuth @ 1850-1990 MHz



ANT-DS-MULTI-BAND-SURVIVOR 0212

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