



L3HARRIS™
FAST. FORWARD.

C146-24-1 ANTENNA

L3Harris built upon the highly successful C146 series of fixed reception antennas with the C146-24-1. It covers an extended bandwidth that encompasses the entire 1176 to 1625 megahertz frequency range, providing coverage for GPS, Glonass and Galileo positioning systems.

The design is suitable for both ground-fixed and mobile applications and is also qualified for airborne military environments.

ELECTRICAL			
	GPS	Glonass	Galileo
Frequency range	L1: 1560 - 1590 MHz L2: 1212 - 1242 MHz L5: 1176 MHz	1237 - 1254 MHz 1593 - 1610 MHz	E5 A, B: 1164 - 1215 MHz E3, E4, E6: 1254 - 1300 MHz E2: 1559 - 1563 MHz E1: 1587 - 1591 MHz
VSWR	L1, L2: 1.5:1 L5: 1.8:1	1.5:1	1.8:1 max
Gain @ + 5° Elevation @ Peak	L1, L2: -4 dBic, L5: -5 dBic L1 +3.5 dBic; L2, L5: 0 dBic	- 4 dBic + 1 dBic	E5 A, B: -5 dBic; Balance -4 dBic E5 +1 dBic; Balance 0 dBic
Impedance	50 ohms		
Polarization	Right-hand circular polarization		
Radiation patterns	Omnidirectional – Azimuth Hemispherical – Vertical		
Power handling	Receive only		
MECHANICAL			
Weight	0.5 lbs		



KEY FEATURES

- > Broadband element design
- > Continuous L1 to L2 frequency band coverage
- > Fighter aircraft qualified
- > Rugged rain-erosion resistant radome

For further details and specifications, contact the factory at antenna.info@L3Harris.com

C146-24-1 Antenna

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L3Harris Technologies is an agile global aerospace and defense technology innovator, delivering end-to-end solutions that meet customers' mission-critical needs. The company provides advanced defense and commercial technologies across air, land, sea, space and cyber domains.



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