



MULTIMAX™ 4G

Single Wi-Fi Antenna for Panasonic

This MULTIMAX 4G single Wi-Fi is a fully rugged outdoor antenna designed specifically to provide high performance Wi-Fi connectivity for Panasonic Body Camera solution. This antenna provides a high gain Wi-Fi antenna inside a single robust and compact housing.

The MULTIMAX 4G builds on the best-in-class RF performance, leading design features, and extended operational life of Airgain’s highly successful Fleet and Public Safety Antenna products. This product’s rugged low-profile design provides greater protection against the most common natural hazards a vehicle can face, including (but not limited to): vibration, hot, cold, ice, salt, dirt, car washes, and tree branch sweeps.

FEATURES

- Dual band 2.4 & 4.9-6 GHz Wi-Fi element
- Must be mounted on metal
- Available in black or white

ADVANTAGES

- High gain provides bigger Wi-Fi footprint
- 5 year limited warranty included¹
- Covered by one or more patents and pending applications²

¹See terms and conditions at <https://airgain.com/antenna-plus-support/>

²For a list of the patents covering this product please visit <https://airgain.com/product-support/patents/>

PART NUMBER(S)

CONFIGURATION	Wi-Fi ELEMENTS	PART NUMBER	DESCRIPTION
Single	1	AP-PAN-MMF-W-Q-S2-RP-RA-BL Panasonic P/N: ARB-BWCBLANT-BLB	Threaded Bolt Mount, Black, 15 ft coax with reverse polarity, right angle SMA connector
		AP-PAN-MMF-W-Q-S2-RP-RA-WH Panasonic P/N: ARB-BWCBLANT-WHB	Threaded Bolt Mount, White, 15 ft coax with reverse polarity, right angle SMA connector

TECHNICAL SPECIFICATIONS

Performance results are measured in a test chamber with 1' LMR-100 cables and over a 2'x2' ground plane, results are more reliable than data from software simulations

ELECTRICAL

Frequency Range	Element 1	2.4/5-6 GHz
Operational Bands	Element 1	Wi-Fi
Peak Gain: Isotropic	Element 1	2.4 GHz, 8 dBi
		5.5 GHz, 7 dBi
Isolation	Element 1	>6 dB
Average Efficiency	Element 1	2.4 GHz, >60%
		5.5 GHz, >40%

ENVIRONMENTAL

Hazardous Substances	RoHS Compliant
Temperature	-55°C to 85°C (-67°F to + 185°F) Operating and Storage conformance to MIL-STD 810G Method 501.5
Humidity (Non-Condensing)	5% to 96% Operating and Storage conformance to IEC 60068
Military Spec	MIL-STD 810 conformance to vibration

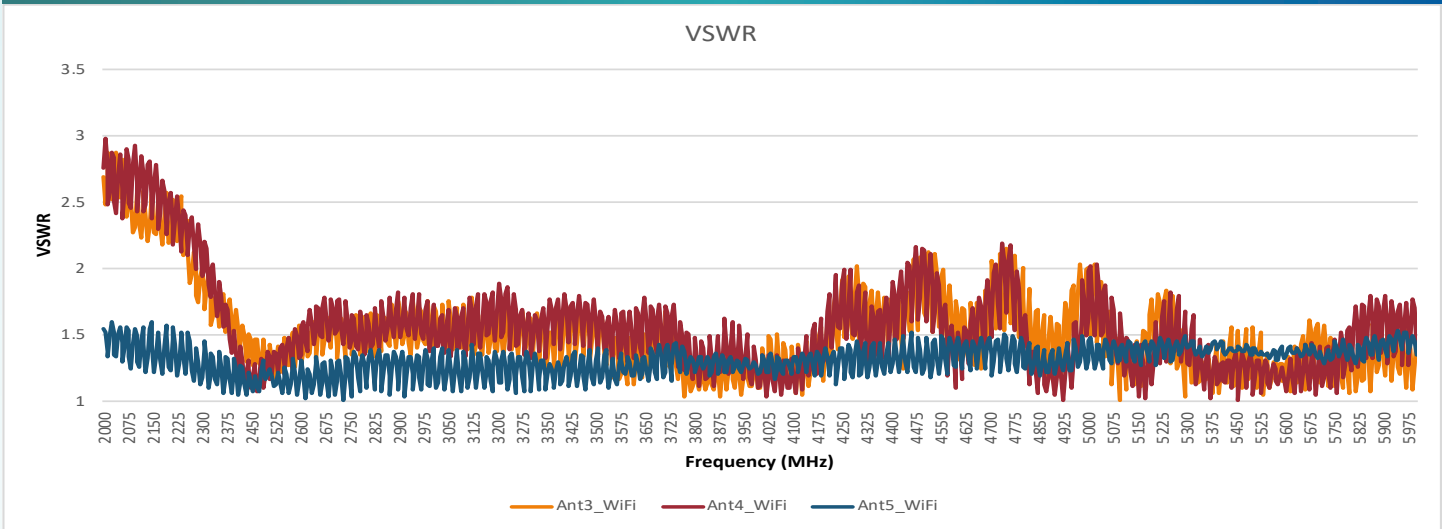
MOUNTING

Dimensions	Height	2.47" (62.6mm)
	Width	2.44" (62.1mm)
	Length	6.34" (161mm)
Color	Black (BL) or White (WH)	

CABLE

Wi-Fi	Type	CFD195 Low Loss
	Diameter	0.195" (4.953mm)
	Length	1 ft (0.3m)
	Termination	RP-SMA Male

VSWR of Wi-Fi Antennas



Isolation of Wi-Fi Antennas

