

Shakespeare introduces the Jellyfish MIMO series of antennas. The JellyFish is a 5 or 6 way omni-directional, IP67 waterproof antenna intended for use for mobile applications. This antenna delivers advanced protocol MIMO antenna technology for GPS/2G/3G/4G/WiFi and Iridium in a compact package. The functions of WiFi include 802.11abgn and emerging 802.11ac. The antenna has its own ground-plane and can radiate on any mounting environment such as metal or plastic without affecting performance.

Features:

- 5 or 6 in 1 antenna functions
- High performance for GPS/WiFi/2G/3G/4G
- Resistant to harsh outdoor environment
- Omni-directional for cellular system
- 2 - Cellular/LTE (2G/3G/4G) (MIMO) antennas
- 2 - WiFi (802.11 abgn, ac) 2.4/5G (MIMO) antennas
- 1 - GPS antenna
- 1 - Iridium antenna if desired
- Waterproof IP67, Stainless Steel Base



The Jellyfish MIMO antenna currently comes in two configurations.

1. 5 Cable (2 Cellular, 2 Wifi, 1 GPS)
2. 6 Cable (2 Cellular, 2 WiFi, 1 GPS, 1 Iridium)

SHAKESPEARE ELECTRONIC PRODUCTS GROUP

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Shakespeare Marine Antennas www.shakespeare-marine.com · Shakespeare Military Antennas www.shakespeare-military.com

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WiFi

Frequency Band		2.4~2.5GHz	5~5.4GHz	5.4~5.9GHz
Average Peak Gain	MIMO I	4.8dBi	6.9dBi	7.7dBi
	MIMO II	5.8dBi	2.1dBi	6.1dBi
Average Efficiency	MIMO I	73%	65%	70%
	MIMO II	69%	25%	47%
VSWR Max.		3.0:1	3.0:1	3.0:1
Impedance		50Ω		
Pattern Type/ Polarization		Omni-direction / Linear		
Power Handling		25 watt		

Cellular

Frequency Band		LTE	AMPS/GSM	DCS/PCS	WCDMA
		696~800MHz	824~960MHz	1710~1990MHz	1920~2170MHz
Average Peak Gain	MIMO I	2.6dBi	-0.1dBi	6.7dBi	6.8dBi
	MIMO II	1.9dBi	-0.8dBi	5.3dBi	5.9dBi
Average Efficiency	MIMO I	64%	39%	78%	80%
	MIMO II	63%	38%	77%	80%
VSWR Max.		3.0:1	3.0:1	3.0:1	2.0:1
Impedance		50Ω			
Pattern Type/ Polarization		Omni-direction / Linear			
Power Handling		25 watt			

GPS

Frequency Band	1575.42 ± 2Mhz
VSWR	1.5 Max.
Bandwidth	20MHz Min at -10dB
Axial Ratio/ Polarization	3dB Max. on a 70mmx70mm ground plane / Right Hand Circular
Peak Gain	4dBic min. at 0° on a 70mmx70mm ground palne
Gain & Radiation coverage	≥ -4dBic at -90° ≤ θ ≤ 90° (over 75% volume)
Amplifier Module	
Gain	27dB Typical
Noise Figure	2.5dB Max.
LOW Voltage Operation	2.7-6.0 Vdc
Impedance	50Ω
VSWR	2:1 Max.
Band Rejection	-35dB@±100MHz
Power Handling	1W Max.
Current	10±3mA

Note: Specifications subject to change without notice.

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