

About Octane Wireless

Founded in 2003 and located in Hanover, Maryland, Octane Wireless (formerly Pharad) is a customer-focused company carrying out innovative design, development, and manufacturing in the areas of highly efficient, electrically small antenna technologies and high-performance RF signal transport over optical fiber. To meet the needs of our customers, we draw on the extensive and diverse experience of our engineering team in the areas of electromagnetics, photonics, and microwave engineering.

Our ISO 9001:2015 quality certification provides the framework for us to meet or exceed our customer's expectations for the delivery of high-quality services and products by our experienced design and production staff.

Wearable Antennas



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Made in USA

Featuring
Flexenna® Technology

Octane Wireless has developed and manufactures the largest wearable antenna product offering in the industry. These antennas are the most electromagnetically efficient wearable antennas available, built using our patented wearable and Flexenna® technologies. They feature a lightweight, unobtrusive design and are fabricated using state-of-the-art, thin flexible materials that conform to the user's body.

Wearable Antenna Model Numbers

Model Number*†	Frequency	Example Application	Available Carriers‡
BW-2-30	2 – 30 MHz	HF	M, V
BW-30-512	30 – 6000 MHz	VHF Tactical Comms	C, M, V
BW-30-512-I	30 – 512 MHz	IOTV Carrier VHS Comms	C, M, V
BW-30-512-J	30 – 512 MHz	Small Plate Carrier VHF Comms	C, M, V
BW-30-512-EG	30 – 6000 MHz	EW, ISR, Communications	M
BW-200-260	200 – 260 MHz	230 MHz Applications	C, V
BW-225-1850	225 – 1850 MHz	JTRS, Rifleman Radio	V
BW-225-2500	225 – 2500 MHz	EW, ISR, Communications	V
BW-225-6000-I	225 – 6000 MHz	IOTV Carrier UHF Comms	C, M, V
BW-225-6000-J	225 – 6000 MHz	Small Plate Carrier UHF Comms	C, M, V
BW-229-313	299 – 313 MHz	EW, ISR, Communications	C, M, V
BW-330-380	330 – 380 MHz	UHF Communications	C, M, V
BW-350-450	350 – 450 MHz	TETRA	C, M, V
BW-380-430	380 – 430 MHz	TETRA	C, M, V
BW-420-450	420 – 450 MHz	EPLRS	C, M, V
BW-470-480	470 – 480 MHz	Application Specific	C, M, V
BW-600-4200-EG	600 – 4200 MHz	5G Directive	V
BW-700-3000	700 – 3000 MHz	LTE/5G	V
BW-700-3000-EG	700 – 3000 MHz	LTE/5G Directive	V
BW-800-900	800 – 900 MHz	Public Safety LMR	C, M, V
BW-800/900/1800/1900	800 – 900 / 1800 – 1900 MHz	GSM/Cellular	C, M, V
BW-900-1000	900 – 1000 MHz	ISM	C, M, V
BW-900-6000	900 – 6000 MHz	UAV Video Receiver/5G	C, M, V
BW-1228/1575	1228 / 1575 MHz	GPS L1/L2 Passive	C, M, V
BW-1350-1390	1350 – 1390 MHz	Federal L-band	C, M, V
BW-1575-A	1575 MHz	GPS L1-Active	M
BW-1616-1627	1616 – 1627 MHz	Iridium	C, M, V
BW-2400-2500-EG	2200 – 2500 MHz	Federal S-band	C, M, V
BW-2400-2500	2400 – 2500 MHz	WiFi	C, M, V
BW-2400-6000	2400 – 6000 MHz	Dualband WiFi	C, M, V
BW-3000-10000	3000 – 10000 MHz	UWB	C, M, V
BW-3000-10000-EG	3000 – 10000 MHz	UWB Enhanced Gain	C, M, V
BW-5200-5900	5200 – 5900 MHz	C-band Communications	C, M, V

* Dual radiator diversity configurations (-D) available.

† Contact Octane Wireless for custom frequency, connectors, etc. Specifications subject to change without notice.

‡ C = Covert Vest Antenna/Radio Harness

M = MOLLE Compatible Antenna Pouch

V = Tactical Vest Antenna/Radio Carrier

Available Wearable Antenna/Radio Carriers



Integration Examples



These antennas are intended for occupational use only and have been designed to comply with the IEEE (FCC) exposure limits for occupational/controlled RF exposure environments.