

Ondas Networks Receives FCC Authorization for New Aviation Radio

Ondas' Mercury Radio Authorized for Use in the Nationwide 450 MHz Air-Ground Frequency Band

NANTUCKET, MA / ACCESSWIRE / November 30, 2021 /Ondas Holdings Inc.

(NASDAQ:ONDS) ("Ondas"), a leading provider of private wireless, drone and automated data solutions through its wholly owned subsidiaries Ondas Networks Inc. ("Ondas Networks") and American Robotics, Inc. ("American Robotics" or "AR"), today announced that Ondas Network's Mercury Radio has been authorized for use in the nationwide licensed 450 MHz Air-Ground frequency band. The new radio conforms to the lower transmit power allowed by the FCC waiver for the licensed Air-Ground Frequency Band.

On January 14, 2021, the FCC granted a waiver of certain legacy rules in the 450 MHz Air-Ground Radio band. The FCC provided relief of the rule requiring a minimum transmit power of four watts for the aviation radio. By allowing lower transmit power, the frequency band becomes viable for more highly scaled Unmanned Aerial Systems and Drones. The lower allowable transmit power reduces the size of the power amplifier, one of the main drivers of size and weight of aviation radios. A lighter radio allows for longer flight times before refueling or recharging, while lower transmit power allows for greater frequency reuse.

"We are very proud to have delivered our first radio for the licensed Air-Ground Frequency Band based on the FCC's waiver," stated Eric Brock, CEO of Ondas Networks. "The Mercury Radio is another example of innovation being driven by Ondas Networks to enable highly scaled unmanned aerial systems. Our field-tested command and control ("C2") capabilities, along with our support for multiple licensed frequencies, will provide operators throughout the drone ecosystem with a new option in the 450 MHz band and other bands supporting air to ground communication," concluded Mr. Brock.

About Ondas Holdings, Inc.

Ondas Holdings Inc. ("Ondas") is a leading provider of private wireless, drone and automated data solutions through its wholly owned subsidiaries Ondas Networks Inc. ("Ondas Networks") and American Robotics, Inc. ("American Robotics" or "AR"). Ondas Networks is a developer of proprietary, software-based wireless broadband technology for large established and emerging industrial markets. Ondas Networks' standards-based (802.16s), multi-patented, software-defined radio FullMAX platform enables Mission-Critical IoT (MC-IoT) applications by overcoming the bandwidth limitations of today's legacy private licensed wireless networks. Ondas Networks' customer end markets include railroads, utilities, oil and gas, transportation, aviation (including drone operators) and government entities whose demands span a wide range of mission critical applications. American Robotics designs, develops, and markets industrial drone solutions for rugged, real-world environments. AR's Scout System™ is a highly automated, AI-powered drone system capable of continuous, remote operation and is marketed as a "drone-in-a-box" turnkey data

solution service under a Robot-as-a-Service (RAAS) business model. The Scout System™ is the first drone system approved by the FAA for automated operation beyond-visual-line-of-sight (BVLOS) without a human operator on-site. Ondas Networks and American Robotics together provide users in rail, agriculture, utilities and critical infrastructure markets with improved connectivity and data collection capabilities.

For additional information on Ondas Networks and Ondas Holdings, visit www.ondas.com or follow Ondas Networks on Twitter and LinkedIn. For additional information on American Robotics, visit www.american-robotics.com or follow American Robotics on Twitter and LinkedIn.

Information on our websites and social media platforms is not incorporated by reference in this release or in any of our filings with the U.S. Securities and Exchange Commission.

Forward-Looking Statements

Statements made in this release that are not statements of historical or current facts are "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995. We caution readers that forward-looking statements are predictions based on our current expectations about future events. These forward-looking statements are not guarantees of future performance and are subject to risks, uncertainties and assumptions that are difficult to predict. Our actual results, performance, or achievements could differ materially from those expressed or implied by the forward-looking statements as a result of a number of factors, including the risks discussed under the heading "Risk Factors" discussed under the caption "Item 1A. Risk Factors" in Part I of our most recent Annual Report on Form 10-K or any updates discussed under the caption "Item 1A. Risk Factors" in Part II of our Quarterly Reports on Form 10-Q and in our other filings with the SEC. We undertake no obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events or otherwise that occur after that date, except as required by law.

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