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# Resonant Starts 2018 with Over 10 Devices Qualified by Its Customers

GOLETA, CA -- (Marketwired) -- 01/10/18 -- Resonant Inc. (NASDAQ: RESN), a designer of filters for radio frequency, or RF, front-ends that specializes in delivering designs for difficult bands and complex requirements, today announced that its customers have leveraged Resonant's Infinite Synthesized Networks® (ISN®) platform to begin 2018 with over 10 devices qualified and sampling for mass production, up from one device at the beginning of 2017.

These devices were qualified across four different customers, and include a quadplexer, as well as other high value, difficult filters. The devices qualified are targeted for the Chinese and Indian markets, as well as tier one phone OEMs, with a worldwide presence. The next step towards further commercialization is for Resonant's customers to have these devices qualified at additional phone OEMs, while leveraging its ISN platform to help customers reduce qualification cycle times.

"We've experienced exceptional traction this past year, beginning the year with only one qualified device, and ending the year with more than ten devices qualified, including one quadplexer," said George Holmes, CEO of Resonant. "This milestone validates our capabilities and ability to convert ISN designs in the timeframes we've previously laid out. We're proud of the work of our team, as we continue to develop complex designs and licensable IP. We will continue our efforts to disrupt the filter supply chain by enabling fabless manufacturers, as well as pure-play filter foundries, as new entrants into the RF Front End market. We expect 2018 will bring new collaborations with our customers to reduce the time it takes to bring our designs to market, in an effort to accelerate our receipt of royalty revenues."

Resonant has published on its website the following videos that explain Resonant's technologies and market positioning:

- [\*\*Infinite Synthesized Networks, ISN Explained\*\*](#)
- [\*\*What is an RF Filter?\*\*](#)
- [\*\*RF Filter Innovation\*\*](#)

## ***About Resonant Inc.***

Resonant is creating software tools and IP & licensable blocks that enable the development of innovative filter designs for the RF front-end, or RFFE, for the mobile device industry. The RFFE is the circuitry in a mobile device responsible for the radio frequency signal processing and is located between the device's antenna and its digital baseband. Filters are a critical component of the RFFE that selects the desired radio frequency signals and rejects unwanted signals and noise. For more information, please

visit [www.resonant.com](http://www.resonant.com).

### ***About Resonant's ISN® Technology***

Resonant can create designs for difficult bands and complex requirements that we believe have the potential to be manufactured for half the cost and developed in half the time of traditional approaches. The Company's large suite of proprietary mathematical methods, software design tools and network synthesis techniques enable it to explore a much bigger set of possible solutions and quickly derive the better ones. These improved filters still use existing manufacturing methods (i.e. SAW) and can perform as well as those using higher cost methods (i.e. BAW). While most of the industry designs surface acoustic wave filters using a coupling-of-modes model, Resonant uses circuit models and physical models. Circuit models are computationally much faster, and physical models are highly accurate models based entirely on fundamental material properties and dimensions. Resonant's method delivers excellent predictability, enabling achievement of the desired product performance in roughly half as many turns through the fab. In addition, because Resonant's models are fundamental, integration with its foundry and fab customers is eased because its models speak the "fab language" of basic material properties and dimensions.

### ***Safe Harbor/ Forward-Looking Statements***

This press release contains forward-looking statements, which include the following subjects, among others: the capabilities of our filter designs, expected collaborations with our customers, and the impact of our designs and technology on the RF Front End market. Forward-looking statements are made as of the date of this document and are inherently subject to risks and uncertainties which could cause actual results to differ materially from those in the forward-looking statements, including, without limitation, the following: our limited operating history; our ability to complete designs that meet customer specifications; the ability of our customers (or their manufacturers) to fabricate our designs in commercial quantities; the ability of our designs to significantly lower costs compared to other designs and solutions; the risk that the intense competition and rapid technological change in our industry renders our designs less useful or obsolete; our ability to find, recruit and retain the highly skilled personnel required for our design process in sufficient numbers to support our growth; our ability to manage growth; and general market, economic and business conditions. Additional factors that could cause actual results to differ materially from those anticipated by our forward-looking statements are under the captions "Risk Factors" and "Management's Discussion and Analysis of Financial Condition and Results of Operations" in our most recent Annual Report (Form 10-K) or Quarterly Report (Form 10-Q) filed with the Securities and Exchange Commission. Forward-looking statements are made as of the date of this release, and we expressly disclaim any obligation or undertaking to update forward-looking statements.

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