



RESONANT®

Resonant (NASDAQ: RESN) is creating 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.

August 19, 2016

Sector Technology
Industry RF Semiconductor - Integrated Circuits

SELECT FINANCIALS

NASDAQ: RESN

Fiscal Year End Dec. 31
Share Price (8/19/16) \$5.36
Market Cap (8/19/16) \$51.5 M
Shares Outstanding 9.6 M
Public Float* 5.5 M
Insider Ownership 14.7%
Fully Diluted Shares O/S 13.9 M

Investment Highlights

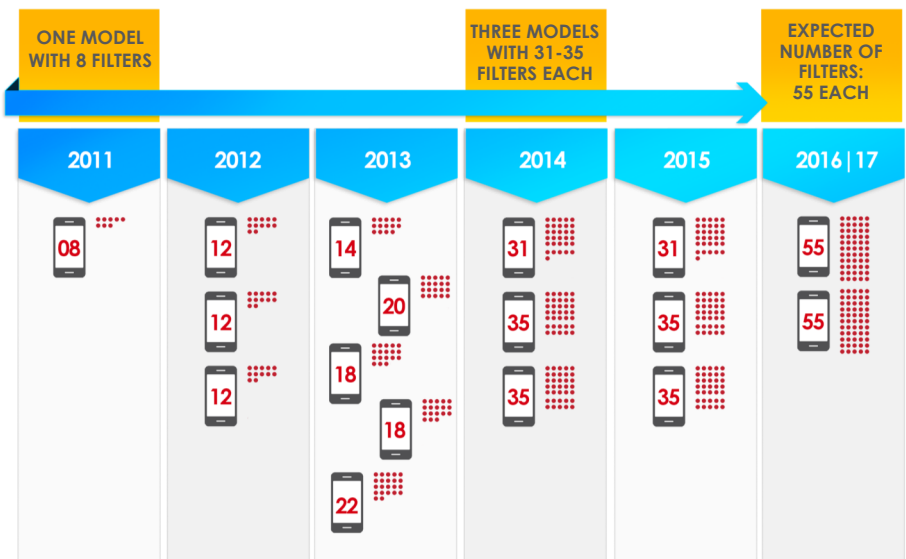
- Resonant can design RF filters for mobile devices that it believes can be manufactured for half the cost and developed in half the time
- Market Growing to >\$14B by 2019
- Asset-light licensing business model keeps costs down
- More than 100 pending and issued patents
- Currently has over 10 complex filters, duplexers & quadplexers under contracted development

Band proliferation is driving the need for more filters

As carriers use more data bands, mobile devices need more filters creating a significant market opportunity

RF content expected to increase to ~\$22, a 30% increase.

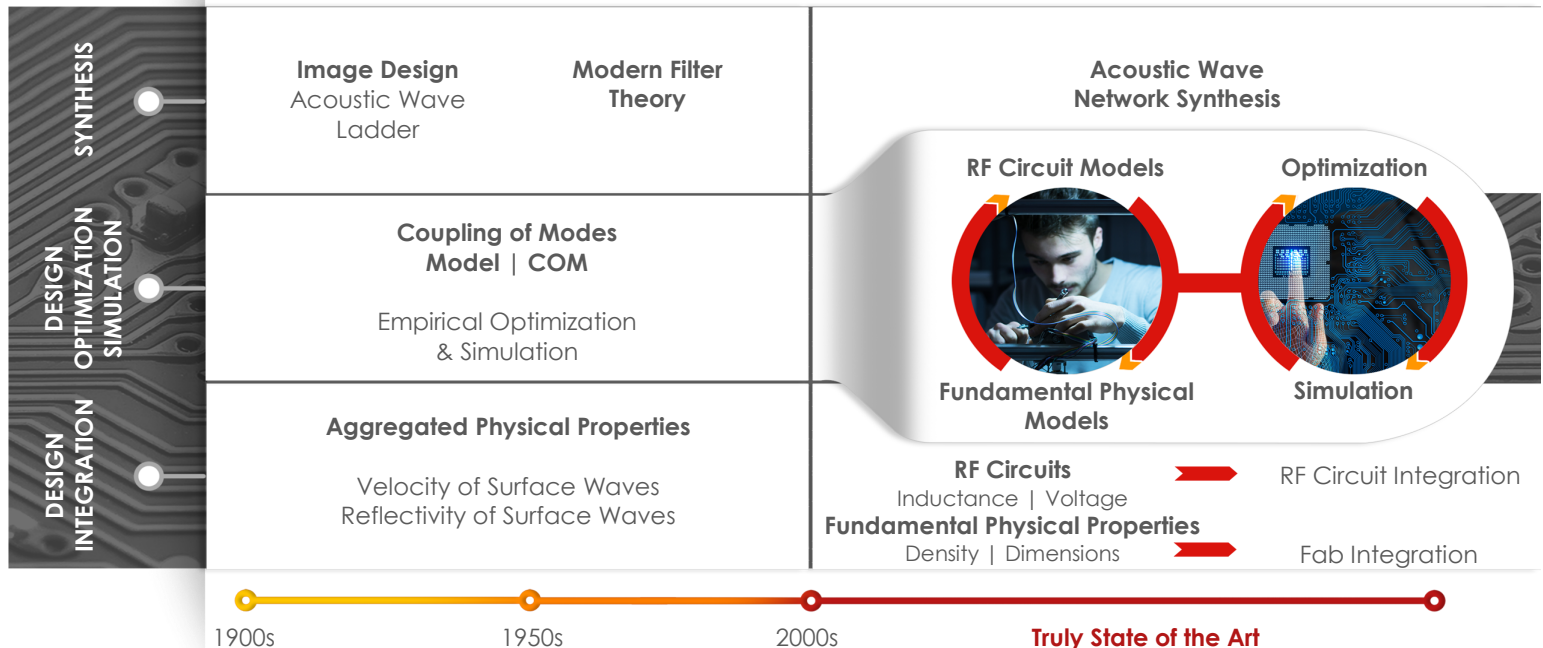
- Barclays

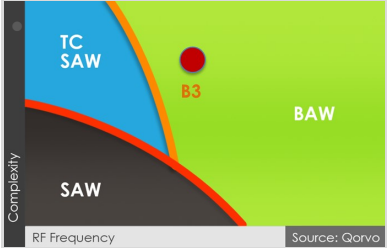
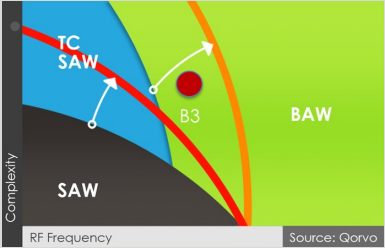
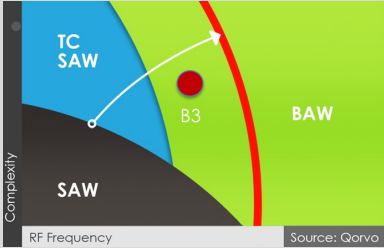
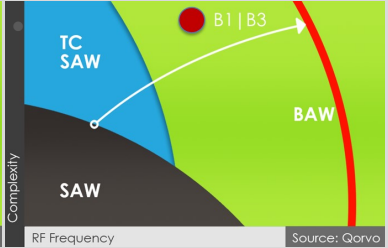


Evolution of Filter Design – ISN®: Next Generation

Current Filter Design Utilized by Most Manufacturers

RESONANT's Infinite Synthesized Networks | ISN
Fundamental | Rigorous | Scalable | Defendable



Baseline BAW Band 3 Duplexer Designed using COM Model	2014-2015 B3 Duplexer in TC-SAW	2016 B3 Duplexer in SAW Designed using ISN	2016 and Beyond Higher Complexity Designs Using ISN
<ul style="list-style-type: none"> High Frequency High Complexity Traditional BAW/FBAR Designs High Cost Long Development Times 	<ul style="list-style-type: none"> Comparable Performance to BAW Lower Cost Comparable Development Time 	<ul style="list-style-type: none"> High Performance Low Cost Short Development Time 	<ul style="list-style-type: none"> High Frequency Higher Complexity Traditional BAW/FBAR Designs Much Lower Cost in SAW/TC-SAW Shorter Development Times Essential for Higher Data rates in BAW
			

Business Model

- License Custom Designs for a Per-Unit Royalty and License Fees
 - No costs or overhead for manufacturing a physical product
 - Results in high operating income
- Utilize Existing Manufacturing Methods
 - No modifications or new processes required
- Rapid Design and Quick Time to Market, Expands Potential Customer Opportunities
- Retain all Intellectual Property

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Management Team & Board of Directors

NAME	SELECTED CURRENT OR PAST AFFILIATIONS
Terry Lingren CEO, Director & Co-founder	20+ years experience as a senior technology executive; BA Physics; MSEE  
George Holmes President, Chief Commercial Officer, Director	30+ years leadership in sales & marketing and management   
Ross Goolsby Acting CFO	25+ years financial and accounting management experience; BS Accounting   
Bob Hammond CTO, Director & Co-founder	20+ years as Founder and CTO of STI; Physics Ph.D. Caltech   
Neal Fenzi COO & Co-founder	20+ years in engineering, operations and marketing positions at STI; BSEE  
John Major Chairman	Multiple board memberships with public and private high- tech companies  
Tom Joseph Independent Director	Leader in the RF, semiconductor, cellular, fiber optics and SAW industries. PhD & MSEE at USC  
Rick Kornfeld Independent Director	VP Engineering and leader of first CDMA effort at Qualcomm; Serial Entrepreneur   
Janet Cooper Independent Director	Financial expertise in capital markets, audit, tax, accounting, treasury and risk-management   
Michael Fox Independent Director	Financial expertise in capital markets, shareholder interests and strategy  

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