

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): **October 31, 2016**



Akoustis Technologies, Inc.
(Exact name of registrant as specified in its charter)

Nevada
(State or Other Jurisdiction
of Incorporation)

333-193467
(Commission File
Number)

33-1229046
(I.R.S. Employer
Identification Number)

9805 Northcross Center Court, Suite H
Huntersville, NC 28078
(Address of principal executive offices, including zip code)

704-997-5735
(Registrant's telephone number, including area code)

Not Applicable
(Former name or former address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions (see General Instruction A.2. below):

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
 - Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
 - Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
 - Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))
-

Item 7.01 Regulation FD Disclosure.

The presentation furnished as Exhibit 99.1 to this report and incorporated herein by reference will be posted to the website of Akoustis Technologies, Inc. and will be provided at future investor presentations.

The information contained in this Item 7.01 of this report is being furnished and shall not be deemed “filed” for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), or otherwise subject to the liabilities of that section. The information in this Item 7.01 shall not be deemed incorporated by reference in any filing under the Securities Act of 1933, as amended, or the Exchange Act, except as expressly set forth by specific reference in such filing.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits:

<u>Exhibit No.</u>	<u>Description</u>
99.1	Akoustis Technologies, Inc. Investor Deck

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

AKOUSTIS TECHNOLOGIES, INC.

By: /s/ Jeffrey B. Shealy

Name: Jeffrey B. Shealy

Title: Chief Executive Officer

Date: October 31, 2016

EXHIBIT INDEX

<u>Exhibit No.</u>	<u>Description</u>
99.1	Akoustis Technologies, Inc. Investor Deck



N O V E M B E R 2 0 1 6

WIDEBAND TECHNOLOGY THAT PROVIDES
TRILLIONS OF CRYSTAL
CLEAR MESSAGES

AKOUSTIS
SMART SELECTIVITY SOLUTIONS

INNOVATION IN SINGLE CRYSTAL BULK
ACOUSTIC WAVE TECHNOLOGY



FORWARD - LOOKING STATEMENTS

Statements in this presentation that are not descriptions of historical facts are forward-looking statements that are based on management's current expectations and assumptions and are subject to risks and uncertainties. In some cases, you can identify forward-looking statements by terminology including "anticipates," "believes," "can," "continue," "could," "estimates," "expects," "intends," "may," "plans," "potential," "predicts," "should," "will," "would" or the negative of these terms or other comparable terminology. Factors that could cause actual results to differ materially from those currently anticipated include, without limitation;

- risks relating to the results of our research and development activities, including uncertainties relating to semiconductor process manufacturing;
- the early stage of our Bulk ONE™ technology presently under development;
- our need for substantial additional funds in order to continue our operations and the uncertainty of whether we will be able to obtain the funding we need;
- our ability to retain or hire key scientific, engineering or management personnel; our ability to protect our intellectual property rights that are valuable to our business, including patent and other intellectual property rights;
- our dependence on third-party manufacturers, suppliers, research organizations, testing laboratories and other potential collaborators;
- our ability to successfully market and sell our technologies;
- the size and growth of the potential markets for any of our technologies, and the rate and degree of market acceptance of any of our technologies;
- competition in our industry; and
- regulatory developments in the U.S. and foreign countries.

In light of these risks, uncertainties and assumptions, the future events and circumstances discussed in the forward-looking statements may not occur, and actual results could differ materially and adversely from those anticipated or implied in the forward-looking statements. You should not rely upon forward-looking statements as predictions of future events. The forward-looking statements included in this presentation speak only as of the date hereof, and, except as required by law, we undertake no obligation to update publicly or privately any forward-looking statements for any reason after the date of this presentation to conform these statements to actual results or to changes in our expectations.

THESE MATERIALS DO NOT CONSTITUTE AN OFFER TO SELL, OR THE SOLICITATION OF ANY OFFER TO BUY, ANY SECURITIES OF AKOUSTIS, INC., OR OF ANY OTHER ENTITY WHATSOEVER. ANY SUCH OFFER MAY ONLY BE MADE BY A DEFINITIVE SUBSCRIPTION AGREEMENT ISSUED BY THE COMPANY. ANY REPRESENTATION TO THE CONTRARY BY ANY PARTY SHOULD BE IGNORED.

"Akoustis™," the Akoustis logo and "BulkONE™" are trademarks of Akoustis, Inc.



MISSION - PROGRESS

Our mission

To revolutionize the RF filter for mobile wireless using patented, single crystal piezoelectric materials.

MAJOR PROGRESS IN 2+ YEARS.





STOCK - INVESTMENT

\$10.8M OF INVESTMENTS AND GRANTS IN USE

OTCQB [™]		AKTS				
Share Price (10/26/16)	\$4.14			June 2014	\$0.53M	J. Shealy (\$0.18M) + Angel Investors
Market Cap (10/26/16)	\$64 M			December 2014	\$0.15M	NSF R&D Grant #1
Fully Diluted Shares Outstanding	15.6 M			April 2015	\$0.05M	N.C. BST&I Grant
Insider Ownership	32%			June 2015	\$5.70M	J. Shealy (\$0.2M) + Angel + Investors
Year End	June 30			June 2015	\$0.03M	NSF R&D Grant #2
Legal Counsel	Womble Carlyle Sandridge & Rice LLP			February 2016	\$0.74M	NSF R&D Grant #3
Auditor	Marcum LLP			April 2016	\$3.6M	J. Neal (\$0.2M) + J. Shealy (\$0.15M) + Insiders + Investors



MANAGEMENT TEAM & PARTNERS



JEFF SHEALY
CEO, DIRECTOR

22YRS Industry Exp.,
RFMD (now Qorvo) Exec.,
MBA & PhD
Co-founded RF Nitro (acq.)



CINDY PAYNE
CFO

20YRS+ Industry Exp.,
Financial Mgmt.,
BSBA & CPA



MARK BOOMGARDEN
VP OPS

20YRS+ Industry Exp.,
Hi Tech Operations,
BSEE



DAVID AICHELE
VP BUS DEV

20YRS+ Industry Exp.,
Hi Tech Sales & Mkt.,
BSEE & MBA



ROHAN HOULDEN
VP ENG

27YRS Industry Exp.,
Qorvo GM WiFi Bus.,
BSEE & MBA

New



SHAWN GIBB
CHIEF MATERIAL
SCIENTIST

18YRS+ Industry Exp.,
III-N Material Growth,
BS/BE & MS



RAMA VETURY
CHIEF DEVICE
SCIENTIST

15YRS+ Industry Exp.,
III-N Devices,
BTEE & PhD

**University
Partners**



Prof. James Shealy
Co-founded RF Nitro (acq.)



Prof. Steve Denbaars
Co-founded Nitres (acq.)

**Commercial
Partners**



National Science
Foundation (NSF)



INDEPENDENT BOARD MEMBERS



JERRY NEAL
CO-CHAIRMAN, DIRECTOR

Founded RFMD (now Qorvo),
35 YRS+ RF and Wireless
Industry Experience



ART GEISS
CO-CHAIRMAN, DIRECTOR

Former VP Operations RFMD
(now Qorvo), previous Alpha
(now Skyworks) Mgmt.



STEVE DENBAARS
DIRECTOR

Co-founded Nitres, Soraa, Soraa
Laser Diode; UCSB Professor;
Expert in III-N Materials



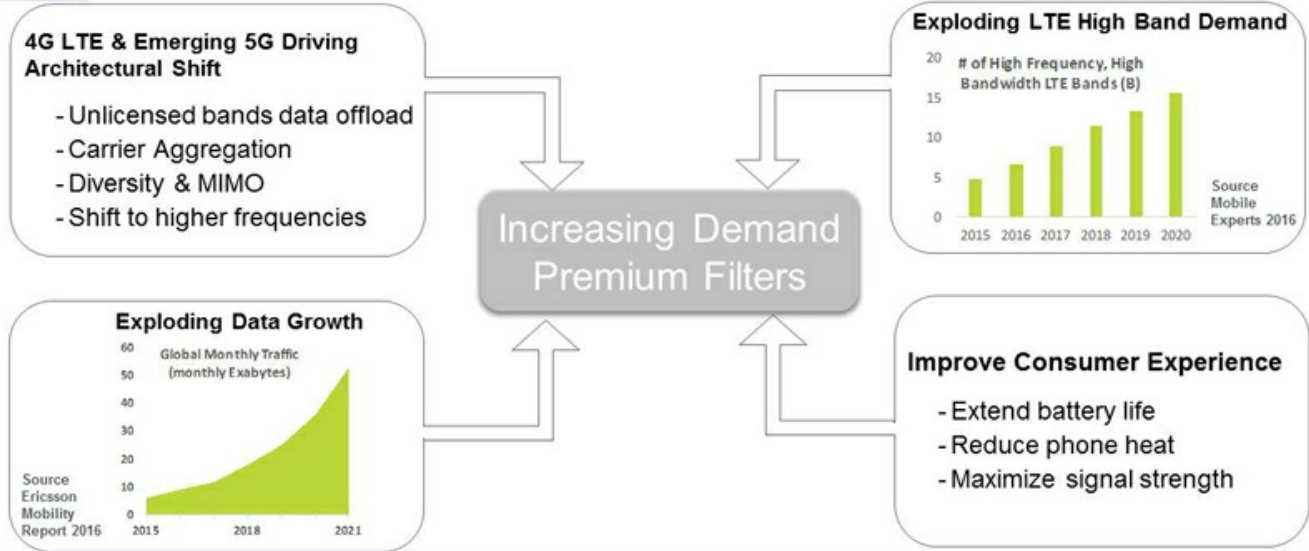
JEFF MCMAHON
DIRECTOR

Director at North Highland,
17 YRS+ Mgmt. Consulting
Experience





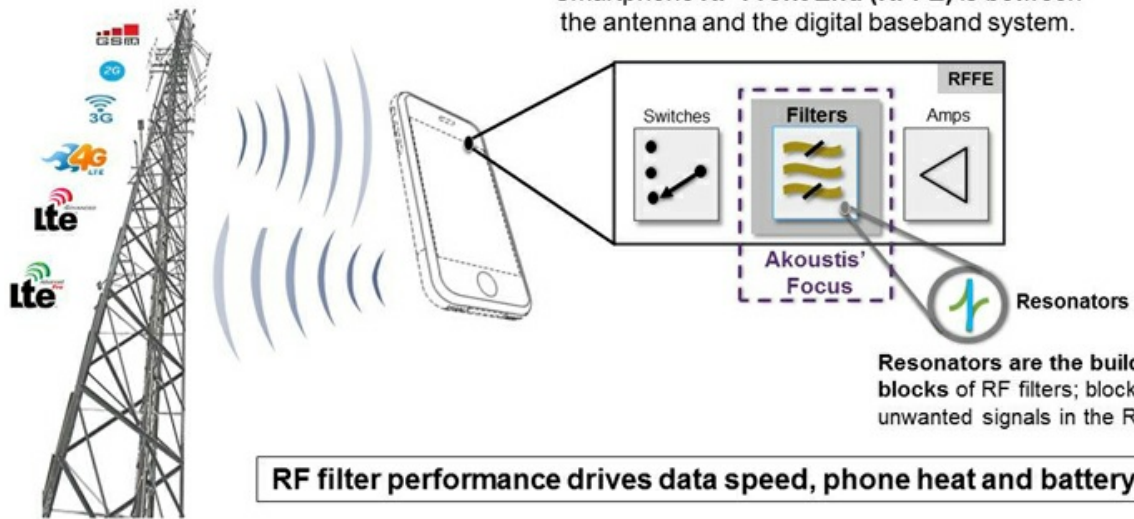
MOBILE MARKET FILTER OPPORTUNITY





RESONATORS & FILTERS ENABLE COMMUNICATION

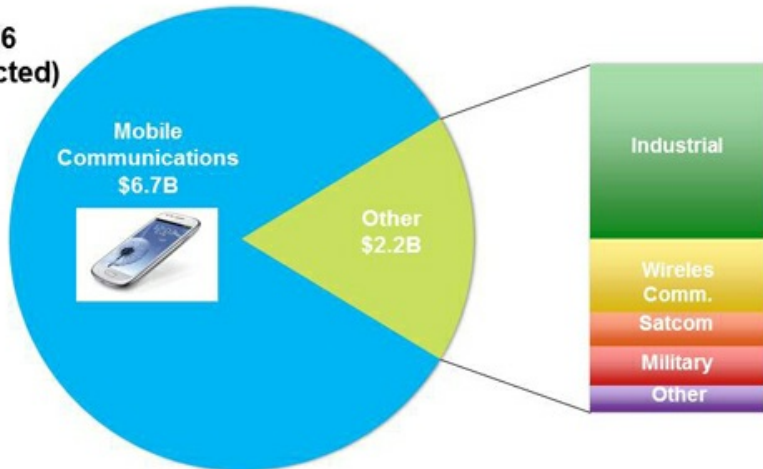
Smartphone RF Front End (RFFE) is between the antenna and the digital baseband system.





\$6.8B MOBILE ACOUSTIC FILTER MARKET

2016
(Projected)



Wireless Infrastructure
Small Cells



Telematics/
Satellite Radio



Milcom/AESA
/JCREW

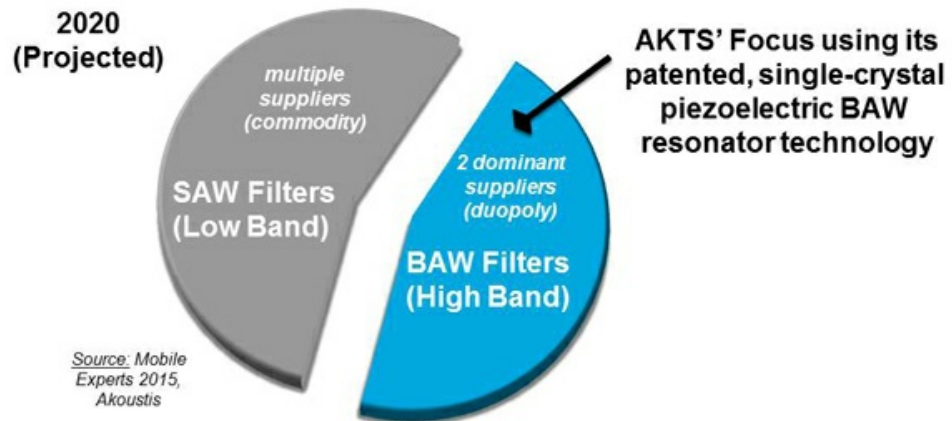


Source: Mobile Experts 2016, Akoustis Dedalus Consulting 2015,

\$9B Total Acoustic RF Filter Market



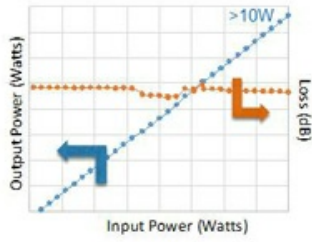
\$13B MOBILE ACOUSTIC RF FILTER MARKET



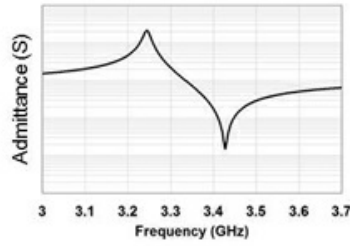
- ❑ BAW segment is the fastest growing RF filter opportunity (>20B discrete units)
- ❑ Wide bandwidth, higher frequency innovation enables new BAW Player



ADVANTAGES OF AKTS SINGLE CRYSTAL BAW



High Power Handling
 (>10W measured)



High Bandwidth
 (7.0-12.5% measured)



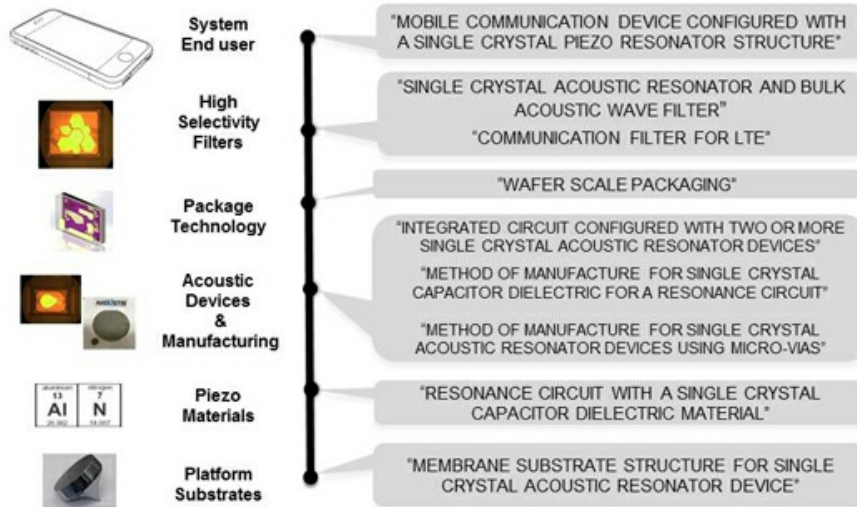
High Sound Velocity
 (12,000 m/sec measured)



High power, wide bandwidth RF filters operating at high frequency



AKOUSTIS IP – BARRIERS TO ENTRY



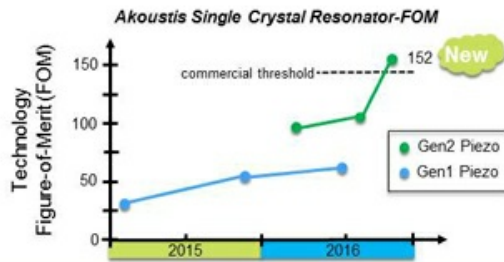
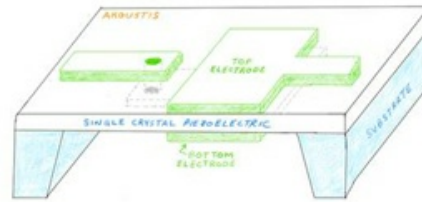
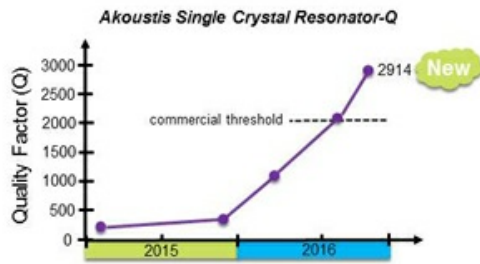
IP PORTFOLIO

- ❑ Foundational single crystal BAW devices and RF filters
- ❑ 8 Patents, 15 Pending PLUS 7 Applications
- ❑ IP developed by AKTS
- ❑ Key University IP from Cornell and UCSB





ADVANCEMENTS IN SINGLE CRYSTAL BAW RESONATORS

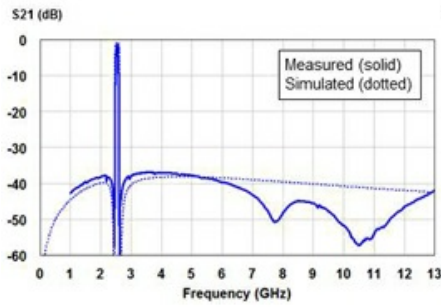


- ❑ Breakthrough Q improvement (2914)
- ❑ Achieved commercially viable FOM (152)—40% improvement over prior reported results
- ❑ Q improvement PLUS shift to 2nd generation piezo accelerated figure-of-merit improvement
- ❑ Company transitioning from R&D technology to RF filter products

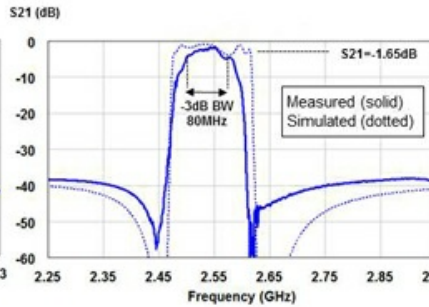


MEASURED SINGLE CRYSTAL RF FILTER DEMONSTRATOR

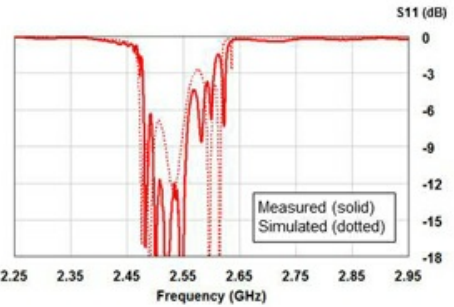
Broadband Performance



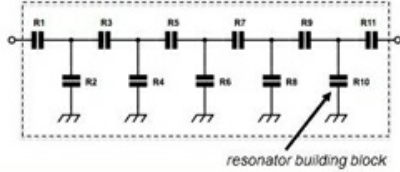
Passband Performance



Return Loss



RF filter Circuit



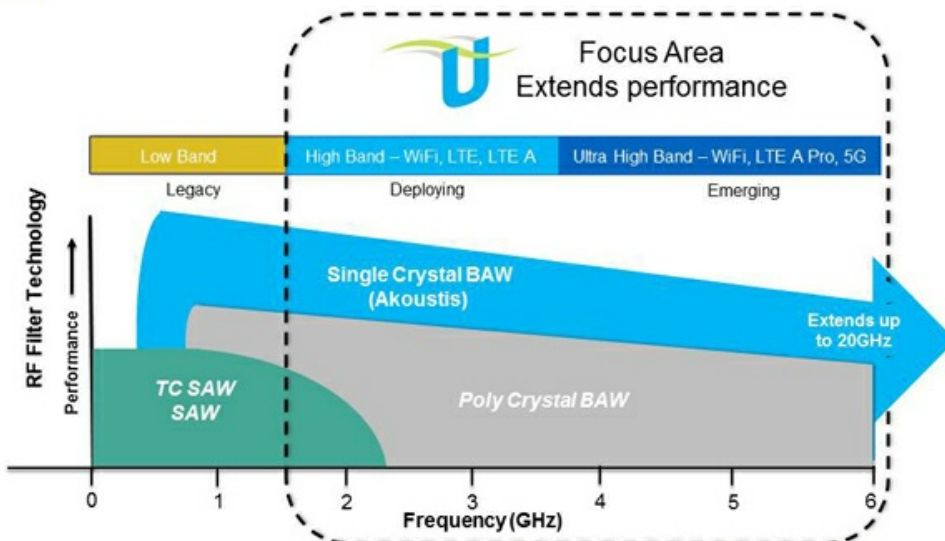
BAW RF filter die



- Low passband loss
- Excellent out-of-band Isolation
- High Band Operation
- Wide Passband
- First pass realization of 11-element design



AKOUSTIS TECHNOLOGY REACH

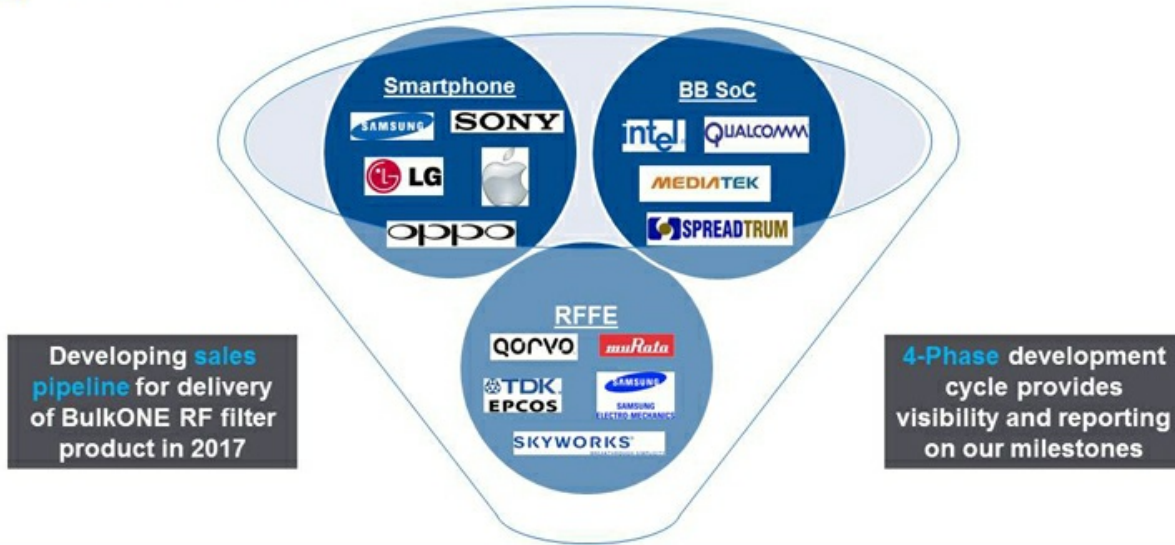


BAW TECHNOLOGY THAT SUPPORTS 4G, Wi-Fi AND Emerging 5G

- Expect **BAW** filters will **cannibalize SAW** filter market as 4G/LTE licensed spectrum continues deploying
- Opportunity for **single crystal BAW** to **dominate emerging 5G Wi-Fi and 5G Mobile** where higher performance RF filters are required
- Focus on High Band solutions** to differentiate on performance



TARGET MARKET





FIRST CUSTOMER ENGAGEMENT



See August 15th, 2016 Press Release

- ❑ Leading Chinese RFFE Manufacturer
- ❑ Multiple agreements signed, including Product Supply Agreement
- ❑ Approved supplier to Tier 1 & 2 Asia Mobile Phone OEMs
- ❑ Establishes strong channel to service fast-growing high band LTE mobile market in China and India
- ❑ Target prototypes by end of Q1CY17

Agreement accelerates transition from R&D technology company into a pure-play BAW RF Filter product company



MANUFACTURING SUPPLY CHAIN



❑ **Single crystal piezoelectric core material:** 2nd generation recipe delivers superior performance - ready for technology qualification

❑ **Akoustis-owned single crystal resonator technology:** Quality factor (Q) increase to 2914 - suitable for RF filter customer engagement



❑ **Wafer supply chain:** Ready to transition to technology qualification

- Joint development, supply agreements signed with foundry partner
- Evaluating high volume manufacturing options



❑ **Focus on cycle-time reduction:** Exploring options to enable rapid prototype and custom RF filter development



SUMMARY



- ❑ **Large and growing** high band RF filter market; **fastest growing** acoustic wave RF filter segment



- ❑ **Rapid development** of patented, single crystal BAW technology achieved
 - FOM (152) achieved
 - First high isolation RF filters demonstrated at ~2.55GHz



- ❑ **Transitioning** high band **BAW resonator technology to RF filter products**; Lead with technical advantage - bandwidth, high frequency



- ❑ **First customer signed**: leading Chinese front-end module manufacturer - offers **access to fast growing China & India markets**



CONTACT US



EXECUTIVE

Jeff Shealy
President & CEO
(704) 274-3599
jshealy@akoustis.com

Cindy Payne
Chief Financial Officer
(704) 274-3598
cpayne@akoustis.com

PRODUCTS

Dave Aichele
VP of Business Development
(704) 274-3600
daichele@akoustis.com

INVESTORS

Bob Prag
Del Mar Consulting Group
Investor Relations
(858) 794-9500
bprag@delmarconsulting.com

Jeremy Roe
Integra Consulting Group LLC
Investor Relations
(925) 262-8305
jeremy@integracg.net

9805-H Northcross Center Court
Huntersville, NC 28078
www.akoustis.com