digital radio

mpa

TI and iBiquity Introduce Industry's Crystal Lowest Cost Single-Chip AM/FM and HD RadioTM Baseband

data casting

John Gardner Digital Radio Marketing Manager

SPRT328

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HD Radio™ Products Planned

KENWOOD

Trunk mounted HD Radio receiver at retail today



Head unit in mid-04



Head unit at retail today



High end A/V receiver in '05



Receiver in '04



Factory installed HD Radio in 2005

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Modules from

TOKO and TBK



Head unit in 2H04

Many more '04 and '05 products yet to be announced ...

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TI's DRI300/350 Address Design Objectives

Reduces Cost for HD Radio™ Designs



Lowers Risk-Future Features in HD Radio Designs

Software radio concept allows for addition of future features even after development begins



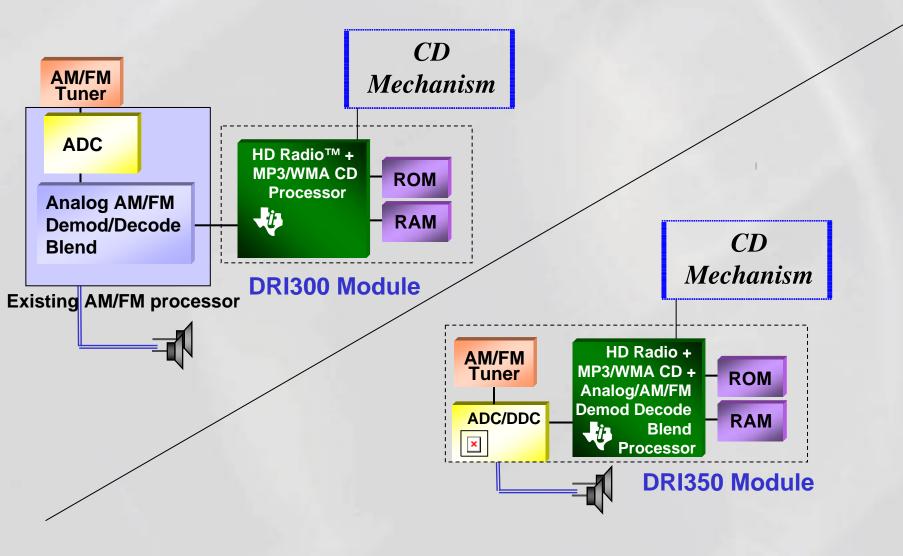
Improves System Cost and Differentiation

Integration of other features in an HD Radio receiver, including MP3 / WMA CD

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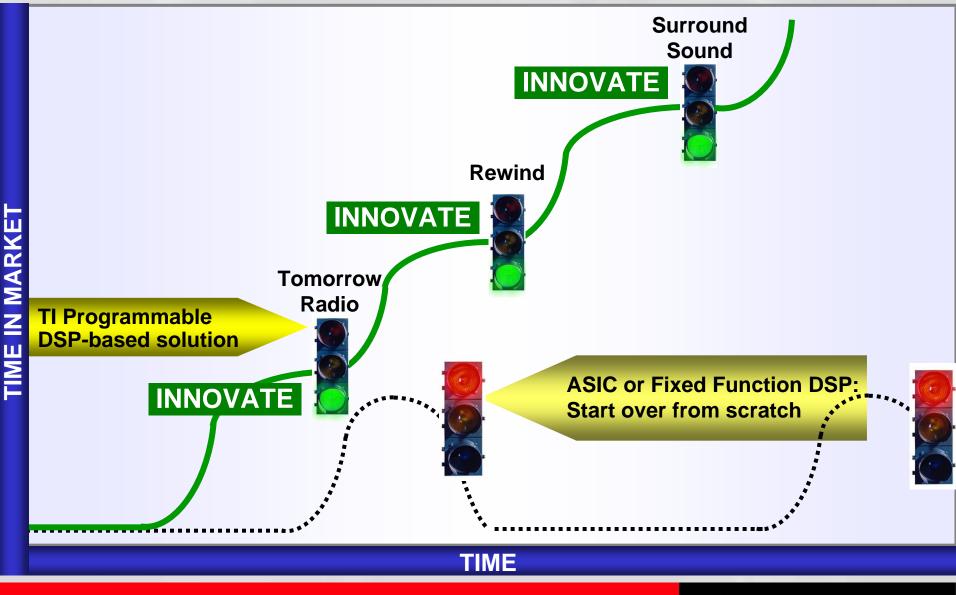
Two Design Solutions: "Bolt-On" or Integrated



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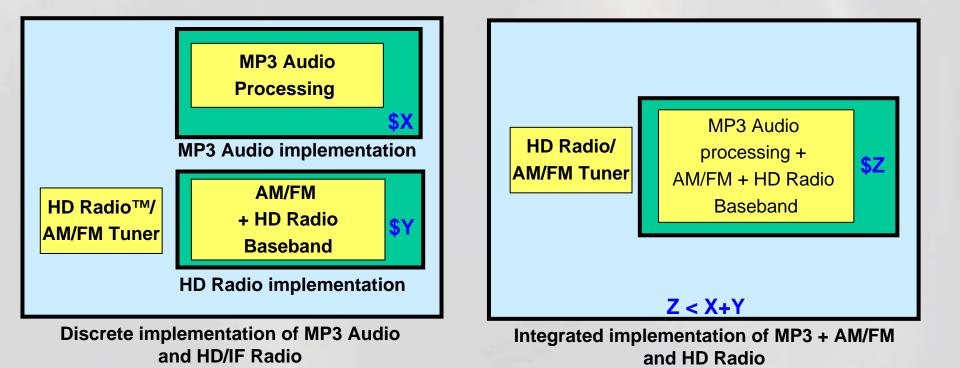
Preparing for HD Radio™ Features



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🐺 Texas Instruments

System Cost Advantage Through Software: Example of MP3 Audio



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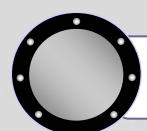
TI's DRI300/350 Address Design Objectives

Reduces Cost for HD Radio™ Designs



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Software radio concept allows for addition of future features even after development begins



Improves System Cost and Differentiation

Integration of other features in an HD Radio receiver, including MP3 / WMA CD

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digital radio

> crystal clear

data casting



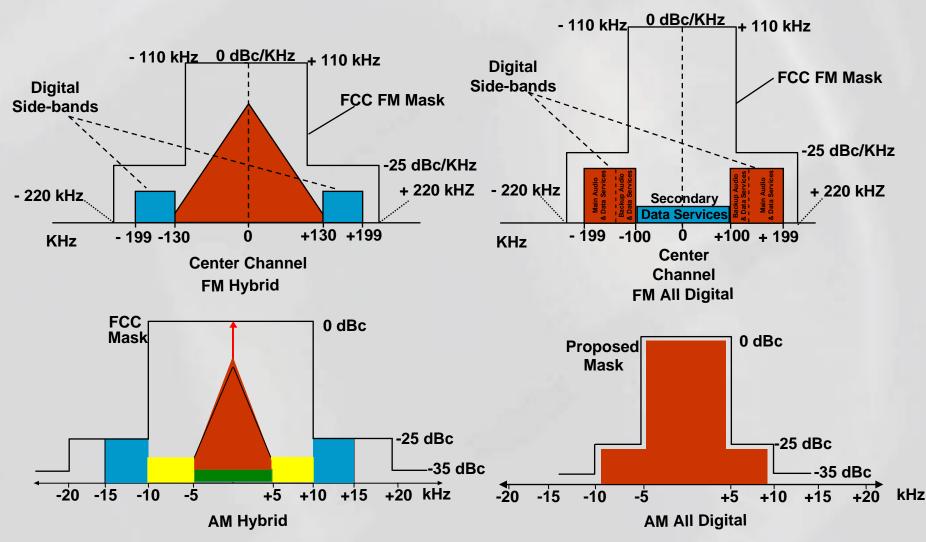
mp3

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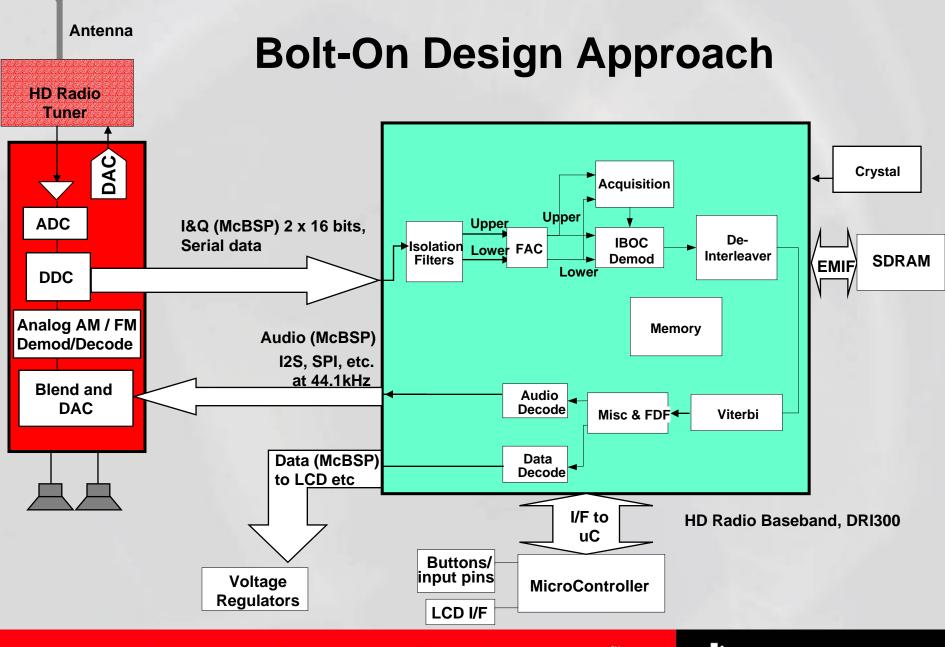
Back-Up Slides



In Band On Channel



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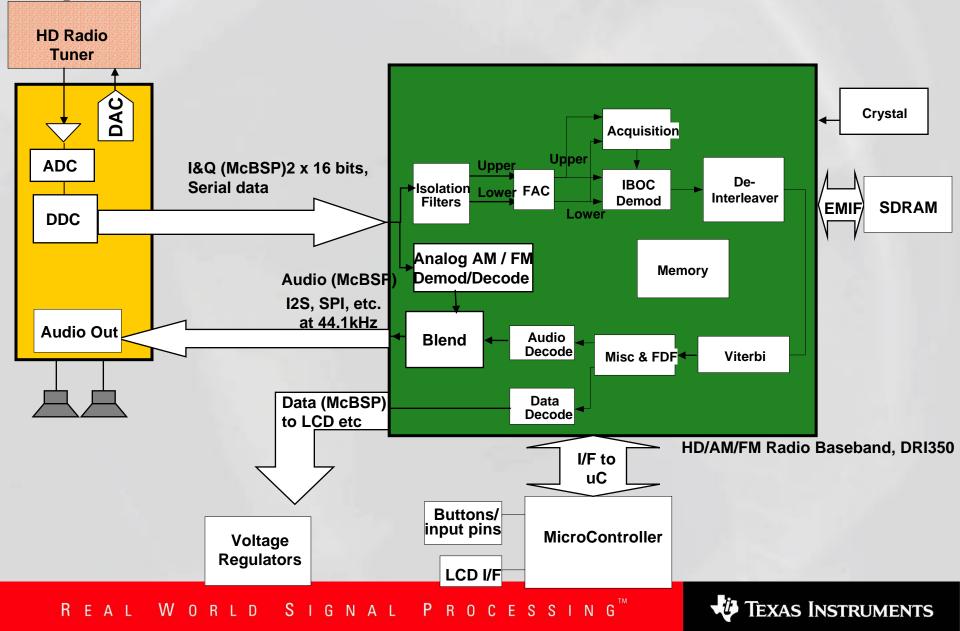


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TEXAS INSTRUMENTS

Antenna

Integrated Design Approach







www.ti.com/digitalradio

www.ibiquity.com

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